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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: 23- JUL- 2012
Account: RANSIL

CERTIFICATE WH12157310

Project: Mint

P.O. No.:

This report is for 43 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP61	33 element four acid ICP- AES	ICP- AES
Au- AA24	Au 50g FA AA finish	AAS

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

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
 Total # Pages: 3 (A - C)
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CERTIFICATE OF ANALYSIS WH12157310

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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
		0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
L840701		1.19	0.018	1.0	7.90	<5	400	1.0	<2	3.06	<0.5	12	61	73	2.69	20
L840702		1.70	0.036	1.2	8.37	6	440	1.1	2	3.02	<0.5	17	72	93	3.46	20
L840703		1.97	0.029	1.0	8.03	7	360	1.0	4	2.62	<0.5	17	59	32	3.23	20
L840704		1.57	0.063	1.3	8.18	9	340	1.0	<2	2.62	<0.5	14	61	65	3.18	20
L840705		1.55	0.031	1.1	7.97	8	390	1.0	<2	2.93	<0.5	12	52	42	2.99	20
L840706		1.48	0.037	1.1	7.95	15	480	1.0	2	2.63	<0.5	12	42	66	2.77	20
L840707		1.83	0.025	1.0	8.14	<5	420	0.9	3	2.76	<0.5	12	48	60	2.53	20
L840708		1.66	0.017	1.4	7.91	<5	540	0.9	<2	3.49	<0.5	17	36	46	3.49	20
L840709		0.80	0.014	1.1	7.98	<5	530	1.1	<2	2.11	<0.5	13	40	205	3.59	20
L840710		1.51	0.084	1.4	7.74	23	360	1.0	3	1.74	<0.5	14	24	8	2.16	20
L840711		1.83	0.188	1.1	6.45	70	700	1.2	3	1.26	<0.5	6	11	9	1.65	20
L840712		1.06	0.013	0.8	8.49	21	510	1.5	2	1.85	<0.5	19	191	73	4.10	20
L840713		1.58	0.035	1.2	7.70	17	1040	0.9	3	3.32	<0.5	14	37	17	2.80	20
L840714		1.80	0.052	1.4	8.36	17	310	1.0	3	2.49	<0.5	11	40	63	2.27	20
L840715		1.67	0.042	1.1	7.51	<5	330	0.9	3	1.29	<0.5	2	18	48	1.78	10
L840716		1.83	0.052	1.1	8.07	10	340	0.9	2	2.37	<0.5	8	48	96	2.28	20
L840717		1.78	0.025	1.0	7.96	13	480	0.9	<2	3.42	<0.5	13	54	63	2.96	20
L840718		1.81	0.058	1.1	8.02	9	380	0.9	<2	3.24	<0.5	13	54	70	2.83	20
L840719		1.71	0.060	1.4	7.79	17	330	1.0	4	3.29	<0.5	11	51	69	2.48	20
L840720		2.01	0.025	<0.5	7.65	<5	340	0.8	2	2.89	<0.5	8	41	56	1.95	20
L840721		1.61	1.290	0.6	7.13	10	230	0.8	2	1.12	<0.5	4	22	20	1.70	10
L840722		1.69	0.054	<0.5	7.33	7	350	0.8	<2	1.26	<0.5	6	23	35	2.04	20
L840723		1.46	0.099	<0.5	8.19	18	380	0.9	3	2.29	<0.5	7	54	48	2.22	20
L840724		1.41	0.176	0.7	7.64	14	380	0.8	<2	3.15	<0.5	8	52	52	2.79	20
L840725		1.62	0.195	0.5	7.89	5	320	0.8	7	3.67	<0.5	14	63	127	3.12	20
L840726		1.41	0.099	<0.5	7.56	<5	310	0.8	3	3.62	<0.5	12	58	93	3.20	20
L840727		1.43	0.106	0.5	7.64	7	270	0.8	8	3.71	<0.5	19	56	140	3.69	20
L840728		1.99	0.056	<0.5	7.61	8	250	0.8	3	2.91	<0.5	13	80	123	2.82	20
L840729		2.04	0.109	<0.5	7.85	10	250	0.8	3	2.16	<0.5	11	60	111	2.91	20
L840730		2.02	0.053	<0.5	7.80	7	290	0.8	5	3.25	<0.5	14	58	70	2.92	20
L840731		1.58	0.263	2.7	7.10	8	230	0.7	5	1.91	<0.5	11	39	794	3.39	20
L840732		1.49	0.103	0.8	7.43	7	250	0.8	5	2.19	<0.5	13	49	462	2.92	20
L840733		1.62	0.045	<0.5	7.04	13	290	1.0	3	3.38	<0.5	20	60	50	2.97	20
L840734		1.14	0.082	<0.5	7.37	19	260	1.0	3	1.88	<0.5	15	47	74	3.22	20
L840735		1.41	0.035	0.6	7.45	10	250	1.0	4	0.68	<0.5	6	13	40	1.78	20
L840736		1.94	0.044	<0.5	7.27	7	270	1.0	<2	0.51	<0.5	7	13	33	2.13	20
L840737		1.98	0.035	<0.5	7.23	7	250	1.0	4	1.63	<0.5	11	47	48	2.79	20
L840738		2.37	0.034	<0.5	7.45	6	510	1.0	2	3.05	<0.5	14	73	71	3.83	20
L840739		1.39	0.043	<0.5	7.97	9	550	1.0	3	3.72	<0.5	17	71	86	4.15	20
L840740		1.35	0.042	<0.5	7.45	9	370	1.0	<2	3.76	<0.5	20	68	106	4.06	20



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CERTIFICATE OF ANALYSIS WH12157310

Sample Description	Method Analyte Units LOR	ME- ICP61 K %	ME- ICP61 La ppm	ME- ICP61 Mg %	ME- ICP61 Mn ppm	ME- ICP61 Mo ppm	ME- ICP61 Na %	ME- ICP61 Ni ppm	ME- ICP61 P ppm	ME- ICP61 Pb ppm	ME- ICP61 S %	ME- ICP61 Sb ppm	ME- ICP61 Sc ppm	ME- ICP61 Sr ppm	ME- ICP61 Th ppm	ME- ICP61 Ti %
		0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
L840701		0.41	10	1.17	388	1	3.44	40	1210	6	1.07	<5	10	614	<20	0.34
L840702		0.54	10	1.17	476	1	3.07	51	1250	10	1.38	<5	12	606	<20	0.39
L840703		0.59	10	1.21	496	1	2.97	44	930	7	1.69	<5	10	510	<20	0.33
L840704		0.60	10	1.04	604	<1	3.16	42	950	10	1.64	<5	9	534	<20	0.33
L840705		0.58	10	1.20	570	1	3.22	39	840	8	1.24	<5	9	542	<20	0.31
L840706		0.82	10	1.01	513	1	3.25	34	830	7	0.83	<5	8	510	<20	0.32
L840707		0.58	10	1.03	371	1	3.26	35	820	8	0.89	<5	9	557	<20	0.31
L840708		0.50	10	1.23	460	1	3.18	28	950	7	1.54	<5	11	670	<20	0.33
L840709		1.17	10	1.37	550	1	2.72	41	920	14	1.43	<5	9	469	<20	0.35
L840710		1.18	10	0.71	915	2	3.02	22	700	19	1.57	<5	7	329	<20	0.20
L840711		1.87	10	0.62	434	<1	1.86	11	540	20	1.12	<5	4	326	<20	0.19
L840712		0.76	20	0.81	734	1	1.85	87	2050	9	0.19	12	14	366	<20	0.67
L840713		0.51	10	1.32	561	1	3.24	32	890	11	2.02	<5	10	624	<20	0.28
L840714		0.28	10	0.68	329	1	3.63	24	870	8	1.43	<5	8	604	<20	0.23
L840715		0.68	<10	0.43	104	1	2.92	11	520	5	1.08	<5	4	456	<20	0.09
L840716		0.26	10	0.91	215	2	3.17	25	700	4	1.04	<5	8	506	<20	0.25
L840717		0.57	10	1.55	434	1	3.29	40	750	6	0.64	<5	9	551	<20	0.34
L840718		0.61	10	1.43	508	1	3.18	39	730	17	0.94	<5	9	522	<20	0.33
L840719		0.41	<10	1.18	560	<1	3.30	34	750	11	1.20	<5	9	533	<20	0.32
L840720		0.37	10	0.91	292	4	3.46	35	540	20	0.50	<5	7	539	<20	0.24
L840721		0.57	10	0.44	155	2	3.54	17	300	29	1.12	<5	4	404	<20	0.10
L840722		0.88	10	0.45	270	3	3.22	15	590	15	0.82	<5	6	404	<20	0.19
L840723		0.67	10	0.49	305	8	3.32	23	780	23	0.50	<5	9	493	<20	0.33
L840724		0.43	10	1.05	365	16	3.39	23	730	26	0.78	6	10	490	<20	0.38
L840725		0.41	10	1.29	472	42	3.25	34	770	19	1.09	<5	11	513	<20	0.41
L840726		0.41	10	1.69	520	47	3.40	36	630	12	0.93	<5	10	494	<20	0.39
L840727		0.30	10	1.27	516	5	3.05	40	710	28	2.38	<5	11	482	<20	0.36
L840728		0.53	10	0.94	437	7	3.11	33	510	24	1.17	<5	9	448	<20	0.36
L840729		0.51	10	0.84	389	8	3.36	26	560	27	1.08	5	10	429	<20	0.34
L840730		0.38	10	1.03	414	5	3.31	31	660	12	0.86	<5	11	484	<20	0.41
L840731		0.90	10	1.13	368	6	2.99	24	380	24	2.64	<5	7	343	<20	0.23
L840732		0.64	10	1.20	399	5	3.19	30	490	16	1.83	<5	9	398	<20	0.34
L840733		0.51	10	1.33	526	4	3.15	44	820	12	1.40	5	11	478	<20	0.39
L840734		0.68	10	0.82	355	7	3.18	29	790	22	1.61	<5	8	397	<20	0.28
L840735		1.01	20	0.40	211	3	3.86	8	640	25	1.30	<5	4	311	<20	0.15
L840736		0.66	10	0.47	128	3	3.98	8	630	18	1.39	<5	4	351	<20	0.14
L840737		0.65	20	0.70	272	5	3.52	22	830	11	1.28	<5	7	429	<20	0.27
L840738		0.90	10	0.87	422	7	3.15	39	980	10	1.32	<5	11	553	<20	0.44
L840739		0.89	10	1.78	625	15	3.21	54	1030	11	0.61	6	13	579	<20	0.48
L840740		0.75	10	1.83	603	8	3.20	52	960	9	1.03	<5	13	560	<20	0.49



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CERTIFICATE OF ANALYSIS WH12157310

Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Ti	U	V	W	Zn
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
L840701		<10	<10	95	<10	36
L840702		<10	<10	104	<10	45
L840703		<10	<10	87	<10	45
L840704		<10	<10	86	<10	49
L840705		<10	<10	80	<10	44
L840706		<10	<10	77	<10	42
L840707		<10	<10	80	<10	39
L840708		<10	<10	101	<10	37
L840709		<10	<10	91	<10	70
L840710		<10	<10	62	<10	65
L840711		<10	<10	38	<10	58
L840712		<10	<10	146	<10	87
L840713		<10	<10	90	<10	65
L840714		<10	<10	75	<10	47
L840715		<10	<10	33	<10	19
L840716		<10	<10	70	<10	36
L840717		<10	<10	79	<10	43
L840718		<10	<10	80	<10	53
L840719		<10	<10	79	10	53
L840720		<10	<10	56	<10	42
L840721		<10	<10	33	<10	31
L840722		<10	<10	49	<10	42
L840723		<10	<10	76	<10	62
L840724		<10	<10	92	<10	51
L840725		<10	<10	94	<10	61
L840726		<10	<10	89	<10	58
L840727		<10	<10	96	<10	77
L840728		<10	<10	81	<10	78
L840729		<10	<10	87	<10	76
L840730		<10	<10	94	<10	49
L840731		<10	<10	57	<10	69
L840732		<10	<10	79	<10	78
L840733		<10	<10	98	<10	67
L840734		<10	<10	85	<10	71
L840735		<10	<10	37	<10	42
L840736		<10	<10	38	<10	35
L840737		<10	<10	79	<10	49
L840738		<10	<10	114	<10	60
L840739		<10	<10	120	<10	82
L840740		<10	<10	116	<10	76



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CERTIFICATE OF ANALYSIS WH12157310

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA24 Au ppm 0.005	ME- ICP61 Ag ppm 0.5	ME- ICP61 Al % 0.01	ME- ICP61 As ppm 5	ME- ICP61 Ba ppm 10	ME- ICP61 Be ppm 0.5	ME- ICP61 Bi ppm 2	ME- ICP61 Ca % 0.01	ME- ICP61 Cd ppm 0.5	ME- ICP61 Co ppm 1	ME- ICP61 Cr ppm 1	ME- ICP61 Cu ppm 1	ME- ICP61 Fe % 0.01	ME- ICP61 Ga ppm 10
L840741		1.18	0.099	<0.5	7.63	15	260	1.0	4	2.33	<0.5	23	71	103	4.19	20
L840742		0.63	0.116	<0.5	7.46	14	230	0.8	3	1.80	0.5	13	56	152	3.06	20
L840743		1.09	0.089	<0.5	7.18	29	310	0.9	2	3.37	<0.5	24	64	73	4.58	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	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
L840741		0.62	10	0.78	355	18	3.23	39	970	16	1.97	<5	11	504	<20	0.40
L840742		0.69	10	0.81	546	10	3.03	23	520	53	0.83	5	11	366	<20	0.28
L840743		0.68	10	2.04	649	3	2.74	56	1000	13	1.71	<5	12	493	<20	0.48
</																



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Sample Description	Method Analyte Units LOR	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61	ME- ICP61
		Tl	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
L840741		<10	<10	117	<10	63
L840742		<10	<10	82	<10	108
L840743		<10	<10	116	<10	68



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CERTIFICATE WH12159016

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P.O. No.:

This report is for 193 Soil 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

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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C/ O ARCHER, CATHRO & ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
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Project: Mint

CERTIFICATE OF ANALYSIS WH12159016

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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
ZZ60001		0.11	<0.005	0.2	2.19	4	<10	170	<0.5	<2	0.67	<0.5	12	36	35	2.63
ZZ60002		0.13	<0.005	<0.2	2.00	5	<10	150	<0.5	<2	0.67	<0.5	13	36	35	2.68
ZZ60003		0.14	<0.005	0.2	2.18	5	<10	160	<0.5	<2	0.59	<0.5	16	40	32	3.00
ZZ60004		0.18	<0.005	<0.2	2.16	3	<10	150	<0.5	<2	0.53	<0.5	13	40	28	3.00
ZZ60005		0.23	<0.005	<0.2	1.88	6	<10	150	<0.5	<2	0.71	<0.5	11	38	32	2.89
ZZ60006		0.17	<0.005	0.2	2.21	9	<10	120	0.6	<2	0.52	<0.5	16	44	44	3.54
ZZ60007		0.19	<0.005	<0.2	1.26	3	<10	90	<0.5	<2	0.47	<0.5	8	24	37	1.98
ZZ60008		0.27	<0.005	<0.2	1.51	4	<10	90	<0.5	<2	0.49	<0.5	9	22	34	2.25
ZZ60009		0.19	<0.005	0.2	1.93	2	<10	140	0.5	<2	0.63	<0.5	10	28	44	2.62
ZZ60010		0.16	<0.005	0.2	1.79	6	<10	100	<0.5	<2	0.44	<0.5	10	30	33	2.94
ZZ60011		0.24	<0.005	<0.2	1.99	2	<10	120	<0.5	<2	0.54	<0.5	11	29	37	2.53
ZZ60210		0.14	<0.005	0.2	3.03	4	<10	190	0.8	<2	0.94	<0.5	22	50	59	3.63
ZZ60211		0.22	<0.005	0.2	2.60	4	<10	160	0.7	<2	0.77	<0.5	17	38	43	3.46
ZZ60212		0.18	<0.005	0.2	1.79	2	<10	170	0.7	<2	0.65	<0.5	20	31	41	3.61
ZZ60213		0.30	<0.005	0.2	2.53	5	<10	110	0.6	<2	0.88	<0.5	18	33	49	3.42
ZZ60214		0.26	<0.005	<0.2	2.66	3	<10	140	0.6	<2	0.80	<0.5	17	41	42	3.39
ZZ60215		0.30	<0.005	<0.2	2.34	<2	<10	110	0.6	<2	0.84	<0.5	18	26	43	3.28
ZZ60216		0.17	<0.005	<0.2	1.87	<2	<10	130	<0.5	<2	1.39	<0.5	16	26	41	2.81
ZZ60217		0.23	<0.005	<0.2	2.58	<2	<10	40	<0.5	<2	1.71	<0.5	34	52	37	3.94
ZZ60218		0.15	<0.005	<0.2	1.79	<2	<10	120	0.5	<2	0.83	<0.5	22	35	51	3.48
ZZ60219		0.15	<0.005	<0.2	1.39	8	<10	100	<0.5	<2	1.03	<0.5	17	37	53	3.08
ZZ60028		0.09	<0.005	0.2	1.71	6	<10	70	<0.5	<2	0.45	<0.5	12	27	24	2.86
ZZ60029		0.17	<0.005	<0.2	1.15	4	<10	120	<0.5	<2	0.45	<0.5	9	24	23	2.38
ZZ60030		0.17	0.010	<0.2	1.44	<2	<10	120	<0.5	<2	0.44	<0.5	9	21	35	2.03
ZZ60031		0.25	<0.005	<0.2	1.29	2	<10	80	<0.5	<2	0.59	<0.5	13	30	32	2.53
ZZ60032		0.21	<0.005	<0.2	2.16	3	<10	110	<0.5	<2	0.60	<0.5	17	43	38	3.56
ZZ60033		0.10	<0.005	<0.2	1.29	3	<10	120	<0.5	<2	0.74	<0.5	13	32	37	2.47
ZZ60034		0.22	<0.005	<0.2	1.49	3	<10	90	<0.5	<2	0.53	<0.5	15	42	41	3.02
ZZ60035		0.11	<0.005	<0.2	1.14	3	<10	90	<0.5	<2	0.41	<0.5	10	19	25	2.47
ZZ60036		0.15	<0.005	<0.2	1.79	<2	<10	120	<0.5	<2	0.56	<0.5	11	25	43	2.37
ZZ60037		0.18	<0.005	0.2	1.51	2	<10	110	<0.5	<2	0.54	<0.5	11	21	33	2.19
ZZ60308		0.21	<0.005	<0.2	2.48	4	<10	240	0.6	<2	0.56	<0.5	17	40	36	3.64
ZZ60309		0.32	<0.005	<0.2	0.90	<2	<10	90	<0.5	<2	0.42	<0.5	13	49	31	2.26
ZZ60310		0.16	<0.005	<0.2	1.14	4	<10	90	<0.5	<2	0.47	<0.5	17	37	36	2.80
ZZ60311		0.18	<0.005	<0.2	1.28	3	<10	100	<0.5	<2	0.53	<0.5	13	38	35	2.74
ZZ60312		0.26	<0.005	<0.2	1.00	3	<10	90	<0.5	<2	0.78	<0.5	17	50	39	3.04
ZZ60313		0.14	<0.005	<0.2	1.50	3	<10	110	<0.5	<2	0.69	<0.5	14	41	37	3.11
ZZ60314		0.17	<0.005	0.2	2.22	5	<10	150	<0.5	<2	0.54	<0.5	19	45	43	3.61
ZZ60315		0.30	<0.005	<0.2	1.93	<2	<10	120	<0.5	<2	0.82	<0.5	21	46	46	3.64
ZZ60316		0.25	<0.005	<0.2	1.46	5	<10	90	<0.5	<2	0.53	<0.5	17	38	42	3.20



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CERTIFICATE OF ANALYSIS WH12159016

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ60001		10	<1	0.05	10	0.80	487	<1	0.04	35	800	5	0.09	<2	5	71
ZZ60002		<10	1	0.06	10	0.87	549	<1	0.05	35	700	4	0.06	<2	6	68
ZZ60003		10	1	0.05	10	0.81	1120	<1	0.04	32	670	5	0.07	<2	6	61
ZZ60004		10	1	0.06	10	0.84	461	<1	0.04	35	550	5	0.06	<2	5	52
ZZ60005		<10	<1	0.05	10	0.79	464	<1	0.04	33	680	4	0.09	<2	5	59
ZZ60006		10	<1	0.06	10	0.88	949	<1	0.04	42	810	5	0.10	<2	5	56
ZZ60007		<10	1	0.05	10	0.60	354	<1	0.04	26	590	3	0.07	<2	3	47
ZZ60008		<10	<1	0.04	10	0.53	430	<1	0.07	23	560	2	0.04	<2	4	53
ZZ60009		<10	<1	0.05	10	0.58	408	<1	0.06	27	740	3	0.08	<2	4	63
ZZ60010		10	<1	0.05	<10	0.49	282	1	0.04	26	530	4	0.07	<2	3	46
ZZ60011		<10	<1	0.05	10	0.68	377	<1	0.06	28	640	4	0.06	<2	5	57
ZZ60210		10	1	0.09	10	2.03	748	<1	0.05	97	910	3	0.04	<2	8	169
ZZ60211		10	1	0.07	10	1.23	679	<1	0.05	54	710	2	0.04	<2	8	143
ZZ60212		<10	<1	0.07	10	0.95	1250	<1	0.04	53	960	3	0.03	<2	11	165
ZZ60213		10	<1	0.08	10	1.24	611	<1	0.07	48	780	2	0.04	<2	9	125
ZZ60214		10	1	0.07	10	1.24	504	<1	0.06	54	760	3	0.05	<2	8	137
ZZ60215		<10	<1	0.10	10	1.08	587	<1	0.08	36	720	3	0.01	<2	8	125
ZZ60216		<10	<1	0.08	10	2.27	604	<1	0.07	56	900	2	0.01	<2	5	144
ZZ60217		<10	<1	0.02	10	5.02	472	<1	0.24	200	1040	<2	<0.01	<2	8	241
ZZ60218		<10	<1	0.06	10	1.30	797	<1	0.08	55	720	<2	0.01	<2	8	106
ZZ60219		<10	<1	0.05	10	1.19	587	1	0.07	49	880	3	0.06	<2	7	65
ZZ60028		10	<1	0.08	10	0.68	308	1	0.05	27	650	4	0.05	<2	3	55
ZZ60029		<10	<1	0.06	<10	0.54	277	1	0.04	20	720	3	0.05	<2	2	40
ZZ60030		<10	<1	0.04	10	0.58	318	<1	0.05	29	790	3	0.06	<2	3	46
ZZ60031		<10	<1	0.06	10	1.04	528	<1	0.06	37	740	3	0.03	<2	4	59
ZZ60032		10	<1	0.06	10	1.25	718	1	0.05	44	820	5	0.05	<2	5	65
ZZ60033		<10	<1	0.06	10	0.70	452	1	0.06	35	700	3	0.09	<2	4	59
ZZ60034		<10	<1	0.06	10	1.17	549	<1	0.06	45	590	4	0.03	<2	7	55
ZZ60035		<10	<1	0.04	<10	0.37	430	1	0.04	15	570	4	0.08	<2	2	34
ZZ60036		<10	<1	0.04	10	0.50	418	1	0.07	27	620	2	0.05	<2	4	60
ZZ60037		<10	<1	0.05	10	0.37	555	1	0.06	20	550	3	0.05	<2	3	55
ZZ60308		10	<1	0.04	10	0.63	638	1	0.04	39	570	4	0.03	<2	7	56
ZZ60309		<10	<1	0.06	10	0.38	473	<1	0.07	58	450	2	0.02	<2	6	27
ZZ60310		<10	<1	0.07	10	0.44	599	<1	0.08	54	590	2	0.02	<2	7	41
ZZ60311		<10	<1	0.06	10	0.47	476	<1	0.05	34	700	2	0.03	<2	6	40
ZZ60312		<10	<1	0.07	10	0.58	670	<1	0.06	53	790	2	0.04	<2	9	39
ZZ60313		<10	<1	0.06	10	0.60	487	1	0.06	43	700	2	0.05	<2	6	48
ZZ60314		<10	<1	0.07	10	0.65	840	1	0.04	44	1070	4	0.07	<2	4	54
ZZ60315		10	<1	0.05	10	1.52	476	<1	0.12	116	670	<2	0.03	<2	7	96
ZZ60316		<10	<1	0.05	10	0.79	660	1	0.06	54	630	4	0.04	<2	7	46



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CERTIFICATE OF ANALYSIS WH12159016

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 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ60001		<20	0.07	<10	<10	66	<10	60
ZZ60002		<20	0.09	<10	<10	74	<10	64
ZZ60003		<20	0.09	<10	<10	75	<10	68
ZZ60004		<20	0.10	<10	<10	76	<10	73
ZZ60005		<20	0.08	<10	<10	69	<10	67
ZZ60006		<20	0.07	<10	<10	88	<10	71
ZZ60007		<20	0.07	<10	<10	58	<10	40
ZZ60008		<20	0.12	<10	<10	62	<10	42
ZZ60009		<20	0.11	<10	<10	80	<10	42
ZZ60010		<20	0.11	<10	<10	82	<10	48
ZZ60011		<20	0.13	<10	<10	74	<10	51
ZZ60210		<20	0.14	<10	<10	79	<10	63
ZZ60211		<20	0.15	<10	<10	71	<10	63
ZZ60212		<20	0.10	<10	<10	64	<10	74
ZZ60213		<20	0.21	<10	<10	76	<10	64
ZZ60214		<20	0.17	<10	<10	77	<10	66
ZZ60215		<20	0.27	<10	<10	64	<10	52
ZZ60216		<20	0.03	<10	<10	44	<10	65
ZZ60217		<20	0.10	<10	<10	72	<10	70
ZZ60218		<20	0.17	<10	<10	60	<10	64
ZZ60219		<20	0.06	<10	<10	59	<10	57
ZZ60028		<20	0.09	<10	<10	67	<10	53
ZZ60029		<20	0.06	<10	<10	57	<10	49
ZZ60030		<20	0.07	<10	<10	50	<10	36
ZZ60031		<20	0.08	<10	<10	57	<10	45
ZZ60032		<20	0.09	<10	<10	78	<10	60
ZZ60033		<20	0.08	<10	<10	61	<10	54
ZZ60034		<20	0.09	<10	<10	79	<10	52
ZZ60035		<20	0.07	<10	<10	55	<10	51
ZZ60036		<20	0.13	<10	<10	70	<10	42
ZZ60037		<20	0.11	<10	<10	64	<10	38
ZZ60308		<20	0.13	<10	<10	77	<10	58
ZZ60309		<20	0.05	<10	<10	42	<10	40
ZZ60310		<20	0.06	<10	<10	67	<10	43
ZZ60311		<20	0.09	<10	<10	69	<10	44
ZZ60312		<20	0.08	<10	<10	69	<10	49
ZZ60313		<20	0.09	<10	<10	71	<10	56
ZZ60314		<20	0.08	<10	<10	79	<10	72
ZZ60315		<20	0.17	<10	<10	96	<10	60
ZZ60316		<20	0.08	<10	<10	72	<10	65



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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
ZZ60317		0.20	<0.005	<0.2	0.91	5	<10	70	<0.5	<2	0.43	<0.5	14	37	29	2.74
ZZ60433		0.32	0.009	<0.2	1.69	25	<10	180	0.7	<2	0.46	<0.5	27	42	38	4.37
ZZ60434		0.29	<0.005	<0.2	2.43	9	<10	190	0.6	<2	0.57	<0.5	13	43	35	3.68
ZZ60435		0.21	<0.005	<0.2	1.84	9	<10	140	0.7	<2	0.70	<0.5	16	33	43	3.28
ZZ60436		0.08	<0.005	<0.2	1.61	7	<10	150	0.5	<2	0.53	<0.5	15	29	34	2.99
ZZ60437		0.09	NSS	<0.2	1.32	6	<10	150	<0.5	<2	0.68	<0.5	13	24	34	2.66
ZZ60438		0.18	<0.005	<0.2	1.18	5	<10	120	0.7	<2	0.46	<0.5	10	23	25	2.37
ZZ60439		0.17	<0.005	<0.2	1.10	3	<10	110	0.7	<2	0.43	<0.5	9	23	21	2.19
ZZ60440		0.05	0.006	<0.2	1.23	7	<10	180	<0.5	<2	1.05	<0.5	11	27	31	2.33
ZZ60441		0.11	<0.005	<0.2	1.41	2	<10	140	0.8	<2	0.52	<0.5	11	26	28	2.54
ZZ60442		0.14	<0.005	<0.2	1.63	6	<10	150	0.8	<2	0.50	<0.5	13	30	31	2.71
ZZ60050		0.23	<0.005	<0.2	2.39	5	<10	160	<0.5	<2	0.45	<0.5	12	48	41	2.95
ZZ60051		0.16	<0.005	0.2	2.32	2	<10	170	<0.5	<2	0.52	<0.5	12	38	31	2.89
ZZ60052		0.27	<0.005	<0.2	1.72	6	<10	150	<0.5	<2	0.40	<0.5	12	31	39	3.26
ZZ60053		0.18	<0.005	<0.2	2.23	2	<10	260	<0.5	<2	0.54	<0.5	14	36	32	3.18
ZZ60054		0.08	<0.005	<0.2	1.71	3	<10	160	<0.5	<2	0.88	<0.5	12	30	39	2.59
ZZ60055		0.11	<0.005	<0.2	2.28	7	<10	190	0.5	<2	0.84	<0.5	19	41	56	3.61
ZZ60056		0.18	<0.005	<0.2	2.30	4	<10	170	<0.5	<2	0.52	<0.5	15	40	34	3.18
ZZ60057		0.22	<0.005	<0.2	2.42	3	<10	150	<0.5	<2	0.56	<0.5	15	38	36	3.15
ZZ60058		0.22	<0.005	0.2	2.16	8	<10	290	0.5	<2	0.60	<0.5	13	40	24	2.86
ZZ60059		0.20	<0.005	<0.2	2.21	2	<10	200	<0.5	<2	0.71	<0.5	16	33	30	3.17
ZZ60200		0.11	<0.005	0.3	2.34	4	<10	130	0.5	<2	0.83	<0.5	19	41	42	3.32
ZZ60201		0.15	<0.005	<0.2	3.06	<2	<10	160	0.7	<2	0.94	<0.5	23	29	52	3.58
ZZ60202		0.15	<0.005	<0.2	3.04	3	<10	130	0.6	<2	0.94	<0.5	23	40	50	3.83
ZZ60203		0.20	<0.005	<0.2	2.87	3	<10	120	0.6	<2	1.11	<0.5	23	30	51	3.73
ZZ60204		0.18	<0.005	<0.2	3.46	<2	<10	90	0.7	<2	1.21	<0.5	22	25	51	3.65
ZZ60205		0.12	<0.005	<0.2	2.84	2	<10	110	0.7	<2	0.95	<0.5	21	35	51	3.68
ZZ60206		0.22	<0.005	<0.2	2.80	2	<10	120	0.6	<2	0.82	<0.5	19	40	47	3.62
ZZ60207		0.16	<0.005	<0.2	0.47	3	<10	40	<0.5	<2	2.24	<0.5	9	8	27	1.38
ZZ60208		0.17	<0.005	<0.2	1.58	2	<10	150	0.5	<2	0.76	<0.5	27	54	64	3.53
ZZ60209		0.21	<0.005	<0.2	1.15	3	<10	90	<0.5	<2	0.51	<0.5	20	49	47	2.98
ZZ60351		0.13	<0.005	<0.2	2.04	6	<10	120	0.5	<2	0.85	<0.5	16	36	47	3.36
ZZ60352		0.11	<0.005	<0.2	1.30	5	<10	110	0.6	<2	0.54	<0.5	11	24	28	2.48
ZZ60353		0.05	<0.005	<0.2	1.44	8	<10	140	0.5	<2	0.86	<0.5	14	30	33	2.83
ZZ60354		0.07	<0.005	<0.2	1.49	7	<10	150	<0.5	<2	0.70	<0.5	12	32	30	2.95
ZZ60355		0.05	<0.005	<0.2	1.29	5	<10	120	<0.5	<2	0.62	<0.5	12	29	31	2.64
ZZ60356		0.07	NSS	<0.2	0.98	4	<10	100	<0.5	<2	0.61	<0.5	8	21	24	2.11
ZZ60357		0.08	<0.005	<0.2	1.29	5	<10	130	<0.5	<2	0.49	<0.5	10	24	28	2.43
ZZ60358		0.03	<0.005	0.2	1.39	4	<10	140	<0.5	<2	0.60	<0.5	12	25	34	2.71
ZZ60359		0.09	<0.005	<0.2	1.85	6	<10	160	<0.5	<2	0.44	<0.5	13	33	34	3.45



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Se
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1
ZZ60317		<10	<1	0.04	<10	0.53	617	1	0.05	41	670	<2	0.04	<2	5
ZZ60433		<10	<1	0.12	20	0.80	986	1	0.02	118	640	10	0.01	<2	8
ZZ60434		10	<1	0.07	10	0.87	474	1	0.04	36	810	8	0.06	<2	6
ZZ60435		10	<1	0.09	10	0.88	945	1	0.06	40	550	4	0.06	<2	6
ZZ60436		<10	<1	0.06	10	0.75	768	1	0.05	31	510	4	0.06	<2	4
ZZ60437		<10	<1	0.07	10	0.59	660	1	0.06	26	520	5	0.08	<2	4
ZZ60438		<10	<1	0.08	<10	0.56	644	1	0.05	23	380	3	0.03	<2	4
ZZ60439		<10	<1	0.06	<10	0.52	648	1	0.05	22	300	3	0.02	<2	4
ZZ60440		<10	<1	0.05	10	0.58	660	1	0.05	25	810	4	0.12	<2	3
ZZ60441		<10	<1	0.07	10	0.62	785	1	0.05	24	410	4	0.04	<2	5
ZZ60442		<10	<1	0.07	10	0.66	983	1	0.04	28	540	6	0.05	<2	4
ZZ60050		10	<1	0.05	10	0.92	214	<1	0.04	33	370	6	0.02	<2	8
ZZ60051		10	<1	0.05	10	0.74	236	<1	0.04	31	610	6	0.06	<2	6
ZZ60052		10	1	0.06	10	0.54	191	<1	0.04	26	740	5	0.05	<2	6
ZZ60053		10	<1	0.14	10	0.75	289	<1	0.05	27	570	8	0.03	<2	8
ZZ60054		<10	<1	0.05	10	0.61	572	1	0.05	31	870	5	0.10	<2	4
ZZ60055		10	<1	0.06	10	0.88	1020	1	0.07	40	670	7	0.07	<2	8
ZZ60056		10	<1	0.07	10	0.75	342	<1	0.05	32	600	5	0.04	<2	7
ZZ60057		10	1	0.05	10	0.79	346	<1	0.06	40	710	5	0.05	<2	6
ZZ60058		10	<1	0.10	10	0.73	817	1	0.04	59	600	9	0.05	<2	4
ZZ60059		10	1	0.12	10	0.95	481	<1	0.07	44	720	5	0.03	<2	7
ZZ60200		10	<1	0.06	10	1.22	566	1	0.07	51	910	6	0.11	<2	6
ZZ60201		10	<1	0.11	10	1.49	739	<1	0.08	49	730	2	0.02	<2	9
ZZ60202		10	1	0.07	10	1.65	680	<1	0.08	70	940	3	0.05	<2	9
ZZ60203		10	<1	0.09	10	1.69	764	<1	0.11	51	900	3	0.02	<2	8
ZZ60204		10	1	0.11	10	1.66	628	<1	0.12	44	800	3	0.02	<2	8
ZZ60205		10	1	0.09	10	1.35	676	<1	0.09	45	710	4	0.04	<2	10
ZZ60206		10	1	0.08	10	1.20	548	<1	0.09	51	660	4	0.04	<2	9
ZZ60207		<10	<1	0.03	10	1.42	707	<1	0.02	16	620	<2	0.02	<2	4
ZZ60208		<10	1	0.07	10	1.14	959	<1	0.08	86	770	<2	0.02	<2	10
ZZ60209		<10	<1	0.04	10	1.02	778	1	0.05	65	620	2	0.04	<2	7
ZZ60351		<10	<1	0.09	10	1.28	551	1	0.07	57	690	9	0.05	<2	6
ZZ60352		<10	<1	0.14	10	0.83	905	1	0.05	33	510	6	0.04	<2	6
ZZ60353		<10	<1	0.10	10	0.87	874	1	0.06	36	550	4	0.07	<2	5
ZZ60354		<10	<1	0.09	10	0.76	645	1	0.04	30	750	5	0.08	<2	3
ZZ60355		<10	<1	0.06	10	0.64	443	1	0.05	28	520	6	0.07	<2	3
ZZ60356		<10	<1	0.07	<10	0.54	375	1	0.05	23	520	5	0.08	<2	3
ZZ60357		<10	<1	0.05	10	0.51	474	1	0.04	23	490	5	0.06	<2	3
ZZ60358		<10	<1	0.05	10	0.68	623	1	0.05	28	520	5	0.08	<2	3
ZZ60359		10	<1	0.04	10	0.68	519	1	0.04	31	410	6	0.06	<2	4



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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 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ60317		<20	0.05	<10	<10	56	<10	70
ZZ60433		<20	0.01	<10	<10	54	<10	82
ZZ60434		<20	0.05	<10	<10	74	<10	64
ZZ60435		<20	0.09	<10	<10	68	<10	76
ZZ60436		<20	0.07	<10	<10	64	<10	71
ZZ60437		<20	0.07	<10	<10	57	<10	65
ZZ60438		<20	0.07	<10	<10	53	<10	64
ZZ60439		<20	0.08	<10	<10	53	<10	61
ZZ60440		<20	0.06	<10	<10	53	<10	58
ZZ60441		<20	0.08	<10	<10	57	<10	70
ZZ60442		<20	0.07	<10	<10	58	<10	73
ZZ60050		<20	0.10	<10	<10	82	<10	56
ZZ60051		<20	0.10	<10	<10	69	<10	62
ZZ60052		<20	0.08	<10	<10	69	<10	69
ZZ60053		<20	0.09	<10	<10	74	<10	84
ZZ60054		<20	0.08	<10	<10	61	<10	75
ZZ60055		<20	0.11	<10	<10	92	<10	64
ZZ60056		<20	0.10	<10	<10	86	<10	64
ZZ60057		<20	0.12	<10	<10	76	<10	58
ZZ60058		<20	0.10	<10	<10	56	<10	59
ZZ60059		<20	0.16	<10	<10	79	<10	57
ZZ60200		<20	0.12	<10	<10	72	<10	67
ZZ60201		<20	0.28	<10	<10	74	<10	59
ZZ60202		<20	0.19	<10	<10	84	<10	66
ZZ60203		<20	0.25	<10	<10	76	<10	61
ZZ60204		<20	0.30	<10	<10	69	<10	57
ZZ60205		<20	0.28	<10	<10	69	<10	61
ZZ60206		<20	0.25	<10	<10	76	<10	58
ZZ60207		<20	0.02	<10	<10	15	<10	33
ZZ60208		<20	0.11	<10	<10	75	<10	65
ZZ60209		<20	0.06	<10	<10	53	<10	60
ZZ60351		<20	0.13	<10	<10	68	<10	67
ZZ60352		<20	0.04	<10	<10	42	<10	72
ZZ60353		<20	0.05	<10	<10	56	<10	81
ZZ60354		<20	0.06	<10	<10	64	<10	75
ZZ60355		<20	0.07	<10	<10	64	<10	72
ZZ60356		<20	0.06	<10	<10	45	<10	65
ZZ60357		<20	0.06	<10	<10	54	<10	60
ZZ60358		<20	0.07	<10	<10	55	<10	81
ZZ60359		<20	0.08	<10	<10	76	<10	65



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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
ZZ60360		0.09	<0.005	<0.2	1.38	3	<10	140	0.5	<2	0.48	<0.5	12	25	26	2.44
ZZ60361		0.08	<0.005	<0.2	1.55	4	<10	160	<0.5	<2	0.59	<0.5	12	28	23	2.65
ZZ60362		0.11	0.008	0.2	2.15	5	<10	150	0.5	<2	0.58	<0.5	13	33	35	2.67
ZZ60363		0.09	<0.005	0.2	2.03	3	<10	150	<0.5	<2	0.68	<0.5	14	33	29	2.88
ZZ60364		0.05	<0.005	<0.2	1.38	4	<10	150	<0.5	<2	0.78	<0.5	15	31	30	2.74
ZZ60365		0.14	<0.005	<0.2	1.53	6	<10	140	<0.5	<2	0.58	<0.5	14	34	28	2.75
ZZ60366		0.07	<0.005	<0.2	1.75	5	<10	140	<0.5	<2	0.61	<0.5	13	40	31	2.83
ZZ60367		0.20	<0.005	<0.2	1.91	5	<10	160	0.6	<2	0.72	<0.5	18	43	48	3.49
ZZ60368		0.14	<0.005	<0.2	1.79	4	<10	120	<0.5	<2	0.67	<0.5	17	57	39	3.33
ZZ60369		0.11	<0.005	<0.2	1.67	5	<10	100	<0.5	<2	0.95	<0.5	19	72	44	3.37
ZZ60370		0.21	<0.005	<0.2	2.20	4	<10	140	0.5	<2	0.79	<0.5	16	37	37	3.15
ZZ60017		0.09	0.005	<0.2	1.72	3	<10	170	<0.5	<2	0.82	<0.5	10	33	38	2.49
ZZ60018		0.16	<0.005	<0.2	2.07	5	<10	130	<0.5	<2	0.44	<0.5	9	31	23	2.54
ZZ60020		0.08	<0.005	<0.2	1.63	4	<10	200	<0.5	<2	0.87	<0.5	16	31	36	2.94
ZZ60021		0.27	<0.005	<0.2	2.16	7	<10	190	0.5	<2	0.91	<0.5	15	37	43	3.37
ZZ60022		0.17	<0.005	0.2	2.18	2	<10	180	<0.5	<2	0.86	<0.5	14	37	37	2.94
ZZ60023		0.31	<0.005	<0.2	1.80	6	<10	480	0.6	<2	0.67	<0.5	10	32	17	2.56
ZZ60024		0.14	<0.005	<0.2	2.41	3	<10	200	0.6	<2	0.67	<0.5	12	36	30	2.90
ZZ60025		0.31	<0.005	<0.2	2.66	2	<10	210	0.5	<2	0.63	<0.5	11	35	31	3.14
ZZ60026		0.24	<0.005	<0.2	2.39	5	<10	170	<0.5	<2	0.62	<0.5	15	31	30	3.28
ZZ60027		0.27	<0.005	<0.2	2.38	4	<10	180	0.5	<2	0.65	<0.5	15	30	29	3.19
ZZ60283		0.33	<0.005	<0.2	0.87	3	<10	80	<0.5	<2	0.41	<0.5	15	46	39	2.41
ZZ60284		0.17	<0.005	<0.2	1.03	2	<10	70	<0.5	<2	0.69	<0.5	14	58	39	2.51
ZZ60285		0.18	<0.005	<0.2	1.17	2	<10	70	<0.5	<2	0.66	<0.5	13	40	33	2.56
ZZ60286		0.20	<0.005	<0.2	1.70	2	<10	200	<0.5	<2	0.57	<0.5	13	34	31	2.83
ZZ60287		0.21	<0.005	<0.2	1.89	4	<10	140	<0.5	<2	0.60	<0.5	13	60	36	3.32
ZZ60288		0.25	<0.005	<0.2	0.92	2	<10	50	<0.5	<2	0.69	<0.5	23	193	48	3.67
ZZ60289		0.10	<0.005	<0.2	0.70	2	<10	60	<0.5	2	0.33	<0.5	5	23	20	1.22
ZZ60290		0.21	<0.005	0.2	1.53	<2	<10	130	<0.5	<2	0.59	<0.5	12	33	32	2.49
ZZ60291		0.24	<0.005	<0.2	1.50	<2	<10	110	0.5	2	0.63	<0.5	13	49	31	2.95
ZZ60292		0.09	NSS	<0.2	1.00	<2	<10	60	<0.5	<2	0.74	<0.5	16	59	36	2.66
ZZ60293		0.13	<0.005	<0.2	1.03	2	<10	50	0.5	<2	0.65	<0.5	11	40	33	2.07
ZZ60294		0.18	<0.005	<0.2	1.08	2	<10	80	<0.5	2	0.56	<0.5	15	40	34	2.66
ZZ60371		0.11	<0.005	<0.2	1.73	5	<10	130	<0.5	<2	0.58	<0.5	14	31	38	3.01
ZZ60372		0.16	<0.005	<0.2	1.72	2	<10	120	<0.5	<2	0.53	<0.5	9	33	27	2.20
ZZ60373		0.19	<0.005	<0.2	1.88	<2	<10	100	<0.5	2	0.54	<0.5	9	32	25	2.29
ZZ60374		0.21	<0.005	<0.2	2.20	2	<10	160	<0.5	2	0.58	<0.5	11	34	34	2.81
ZZ60375		0.21	<0.005	<0.2	1.75	6	<10	150	<0.5	<2	0.96	<0.5	14	35	39	3.31
ZZ60376		0.14	<0.005	0.3	2.20	2	<10	190	0.5	<2	0.69	<0.5	12	42	41	2.87
ZZ60377		0.24	<0.005	0.2	2.08	6	<10	180	0.6	2	0.90	<0.5	11	35	46	3.11



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		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Se
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1
ZZ60360		<10	<1	0.05	10	0.58	802	1	0.04	25	390	5	0.04	<2	4
ZZ60361		<10	<1	0.05	10	0.75	582	1	0.05	28	450	4	0.04	<2	4
ZZ60362		10	<1	0.05	10	0.61	400	1	0.04	29	770	5	0.07	<2	6
ZZ60363		10	<1	0.05	10	0.76	584	1	0.05	33	530	5	0.05	<2	5
ZZ60364		<10	<1	0.06	10	0.69	464	1	0.05	30	580	5	0.08	<2	3
ZZ60365		<10	<1	0.07	10	0.82	784	1	0.06	36	460	4	0.03	<2	4
ZZ60366		<10	<1	0.06	10	0.83	429	1	0.05	39	620	4	0.06	<2	4
ZZ60367		10	<1	0.12	10	1.20	807	1	0.07	52	720	6	0.01	<2	8
ZZ60368		<10	<1	0.09	10	1.46	599	<1	0.06	63	580	3	0.04	<2	6
ZZ60369		<10	<1	0.08	10	1.93	474	<1	0.07	82	660	2	0.05	<2	6
ZZ60370		10	<1	0.06	10	1.21	524	<1	0.06	54	800	3	0.02	<2	7
ZZ60017		10	1	0.04	10	0.65	637	1	0.04	31	1070	4	0.11	<2	3
ZZ60018		10	<1	0.03	10	0.67	219	1	0.03	24	530	5	0.04	<2	4
ZZ60020		10	<1	0.04	10	0.58	1140	1	0.05	28	1100	5	0.11	<2	4
ZZ60021		10	<1	0.06	10	0.80	566	1	0.05	37	850	7	0.07	<2	5
ZZ60022		10	<1	0.06	10	0.81	505	<1	0.06	38	690	5	0.04	<2	6
ZZ60023		10	<1	0.21	20	0.77	710	1	0.02	44	720	13	0.01	<2	6
ZZ60024		10	<1	0.08	10	0.72	438	<1	0.03	29	560	6	0.02	<2	9
ZZ60025		10	<1	0.07	10	0.81	456	<1	0.03	32	630	7	0.03	<2	7
ZZ60026		10	<1	0.05	10	0.88	621	1	0.04	32	570	6	0.04	<2	5
ZZ60027		10	<1	0.08	10	0.74	569	1	0.04	31	640	6	0.04	<2	4
ZZ60283		<10	<1	0.03	10	0.64	669	<1	0.04	56	450	2	<0.01	<2	7
ZZ60284		<10	<1	0.07	10	0.81	449	<1	0.05	47	490	2	0.01	<2	9
ZZ60285		<10	<1	0.08	10	1.00	438	<1	0.07	48	830	2	0.02	<2	6
ZZ60286		<10	<1	0.09	10	0.85	483	<1	0.06	40	550	3	0.02	<2	9
ZZ60287		<10	<1	0.05	10	1.10	535	1	0.05	48	610	4	0.03	<2	7
ZZ60288		<10	<1	0.04	10	3.29	1085	<1	0.05	122	1110	3	<0.01	<2	8
ZZ60289		<10	<1	0.05	<10	0.39	150	<1	0.04	25	410	2	<0.01	<2	4
ZZ60290		<10	<1	0.05	10	0.72	538	<1	0.06	32	620	2	0.02	<2	5
ZZ60291		<10	<1	0.06	10	0.82	605	<1	0.04	47	660	3	0.01	<2	7
ZZ60292		<10	<1	0.07	10	0.88	694	<1	0.05	72	620	<2	0.04	<2	8
ZZ60293		<10	<1	0.06	10	0.71	500	<1	0.05	45	470	2	0.02	<2	7
ZZ60294		<10	<1	0.09	10	0.67	585	<1	0.06	47	620	<2	0.02	2	7
ZZ60371		<10	<1	0.05	10	0.71	562	<1	0.05	33	800	2	0.08	2	3
ZZ60372		<10	<1	0.04	<10	0.62	595	<1	0.05	31	580	2	0.03	<2	5
ZZ60373		<10	<1	0.04	10	0.71	150	<1	0.05	29	510	2	<0.01	<2	5
ZZ60374		10	<1	0.05	10	0.74	426	<1	0.05	37	540	2	0.02	<2	5
ZZ60375		<10	<1	0.10	10	1.02	559	<1	0.08	39	680	4	0.02	3	7
ZZ60376		10	<1	0.04	10	0.78	440	<1	0.05	36	1000	6	0.05	3	7
ZZ60377		10	<1	0.06	20	0.68	481	<1	0.05	31	970	7	0.07	3	6



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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 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ60360		<20	0.07	<10	<10	57	<10	62
ZZ60361		<20	0.08	<10	<10	60	<10	59
ZZ60362		<20	0.09	<10	<10	64	<10	61
ZZ60363		<20	0.12	<10	<10	71	<10	64
ZZ60364		<20	0.06	<10	<10	60	<10	67
ZZ60365		<20	0.07	<10	<10	64	<10	70
ZZ60366		<20	0.06	<10	<10	63	<10	65
ZZ60367		<20	0.10	<10	<10	71	<10	77
ZZ60368		<20	0.07	<10	<10	64	<10	57
ZZ60369		<20	0.08	<10	<10	66	<10	57
ZZ60370		<20	0.13	<10	<10	65	<10	56
ZZ60017		<20	0.06	<10	<10	58	<10	75
ZZ60018		<20	0.07	<10	<10	64	<10	49
ZZ60020		<20	0.05	<10	<10	63	<10	67
ZZ60021		<20	0.08	<10	<10	83	<10	66
ZZ60022		<20	0.10	<10	<10	74	<10	66
ZZ60023		<20	0.09	<10	<10	43	<10	73
ZZ60024		<20	0.12	<10	<10	68	<10	53
ZZ60025		<20	0.12	<10	<10	71	<10	50
ZZ60026		<20	0.10	<10	<10	76	<10	53
ZZ60027		<20	0.10	<10	<10	75	<10	58
ZZ60283		<20	0.04	<10	<10	50	<10	45
ZZ60284		<20	0.08	<10	<10	64	<10	33
ZZ60285		<20	0.09	<10	<10	63	<10	44
ZZ60286		<20	0.13	<10	<10	64	<10	48
ZZ60287		<20	0.10	<10	<10	74	<10	57
ZZ60288		<20	0.07	<10	<10	65	<10	54
ZZ60289		<20	0.06	<10	<10	35	<10	25
ZZ60290		<20	0.08	<10	<10	61	<10	51
ZZ60291		<20	0.08	<10	<10	67	<10	57
ZZ60292		<20	0.06	<10	<10	58	<10	52
ZZ60293		<20	0.06	<10	<10	57	<10	56
ZZ60294		<20	0.07	<10	<10	57	<10	52
ZZ60371		<20	0.06	<10	<10	68	<10	62
ZZ60372		<20	0.09	<10	<10	59	<10	48
ZZ60373		<20	0.11	<10	<10	66	<10	48
ZZ60374		<20	0.10	<10	<10	69	<10	57
ZZ60375		<20	0.11	<10	<10	78	<10	75
ZZ60376		<20	0.07	<10	<10	69	<10	75
ZZ60377		<20	0.06	<10	<10	71	<10	62



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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
ZZ60378		0.23	<0.005	<0.2	1.93	6	<10	160	<0.5	2	0.58	<0.5	13	44	40	3.29
ZZ60379		0.25	<0.005	<0.2	2.34	3	<10	170	0.5	2	0.47	<0.5	12	44	44	3.17
ZZ60380		0.30	<0.005	0.2	2.15	3	<10	190	0.5	2	0.64	<0.5	12	39	40	2.85
ZZ60267		0.18	0.006	<0.2	0.76	<2	<10	40	<0.5	2	0.37	<0.5	15	34	34	2.28
ZZ60268		0.16	<0.005	<0.2	0.52	<2	<10	40	<0.5	<2	0.25	<0.5	25	48	83	1.67
ZZ60269		0.33	<0.005	<0.2	1.50	2	<10	80	<0.5	<2	0.40	<0.5	16	47	44	2.68
ZZ60270		0.25	<0.005	<0.2	1.23	<2	<10	60	<0.5	<2	0.45	<0.5	10	31	32	2.45
ZZ60271		0.21	<0.005	0.2	2.00	6	<10	110	<0.5	<2	0.44	<0.5	12	39	36	3.56
ZZ60272		0.25	<0.005	<0.2	0.91	<2	<10	40	<0.5	2	0.40	<0.5	14	60	34	2.39
ZZ60273		0.30	<0.005	<0.2	1.25	<2	<10	90	<0.5	2	0.53	<0.5	11	41	31	2.58
ZZ60274		0.24	<0.005	<0.2	1.39	3	<10	70	0.5	<2	0.75	<0.5	19	34	49	3.06
ZZ60275		0.19	NSS	<0.2	1.14	2	<10	60	<0.5	<2	0.59	<0.5	13	40	38	2.51
ZZ60443		0.21	<0.005	<0.2	1.66	<2	<10	70	<0.5	2	0.90	<0.5	16	30	45	3.18
ZZ60444		0.19	<0.005	<0.2	1.82	2	<10	110	<0.5	2	0.65	<0.5	14	29	34	2.85
ZZ60445		0.09	<0.005	<0.2	1.73	6	<10	120	<0.5	<2	0.54	<0.5	16	32	31	3.12
ZZ60446		0.07	<0.005	0.2	1.42	6	<10	130	0.6	<2	0.79	<0.5	13	27	32	2.80
ZZ60473		0.20	<0.005	<0.2	1.03	2	<10	80	<0.5	<2	0.59	<0.5	12	32	35	2.32
ZZ60474		0.16	<0.005	<0.2	1.27	3	<10	110	<0.5	<2	0.58	<0.5	16	41	43	3.06
ZZ60475		0.33	<0.005	<0.2	2.13	2	<10	80	<0.5	<2	0.95	<0.5	30	69	57	4.94
ZZ60476		0.13	<0.005	0.2	2.30	5	<10	110	<0.5	<2	1.02	<0.5	29	46	61	4.89
ZZ60477		0.15	<0.005	<0.2	1.84	<2	<10	100	<0.5	<2	0.97	<0.5	19	42	45	3.54
ZZ60478		0.18	<0.005	<0.2	1.53	2	<10	110	<0.5	<2	0.87	<0.5	26	53	55	3.95
ZZ60479		0.09	0.007	<0.2	1.09	<2	<10	100	<0.5	<2	0.62	<0.5	11	32	33	2.43
ZZ60480		0.32	<0.005	<0.2	0.79	<2	<10	70	<0.5	<2	0.26	<0.5	11	29	35	1.97
ZZ60318		0.29	<0.005	<0.2	0.54	<2	<10	50	<0.5	<2	0.29	<0.5	15	41	50	1.63
ZZ60319		0.28	<0.005	<0.2	1.43	2	<10	80	<0.5	<2	0.45	<0.5	16	45	46	2.63
ZZ60320		0.21	<0.005	<0.2	1.00	4	<10	60	<0.5	<2	0.42	<0.5	14	44	30	2.45
ZZ60321		0.21	<0.005	<0.2	1.35	3	<10	80	<0.5	<2	0.62	<0.5	14	41	47	2.74
ZZ60322		0.22	<0.005	<0.2	1.49	3	<10	130	<0.5	<2	0.96	<0.5	12	30	35	2.55
ZZ60323		0.31	<0.005	<0.2	0.92	<2	<10	60	<0.5	<2	0.45	<0.5	10	22	33	1.70
ZZ60324		0.22	<0.005	<0.2	1.09	3	<10	100	<0.5	<2	0.59	<0.5	21	50	43	3.23
ZZ60325		0.34	<0.005	<0.2	1.20	4	<10	170	<0.5	<2	0.51	<0.5	16	23	31	3.01
ZZ60326		0.28	<0.005	<0.2	1.61	5	<10	170	0.5	<2	0.65	<0.5	15	30	38	3.32
ZZ60253		0.20	<0.005	<0.2	1.96	<2	<10	160	<0.5	<2	0.92	<0.5	21	47	58	3.18
ZZ60490		0.17	<0.005	<0.2	1.57	5	<10	140	<0.5	<2	0.60	<0.5	14	28	32	2.81
ZZ60491		0.31	0.009	<0.2	1.32	3	<10	100	0.9	<2	0.42	<0.5	10	23	23	2.40
ZZ60492		0.25	<0.005	<0.2	1.50	7	<10	120	0.7	<2	0.54	<0.5	13	27	33	2.69
ZZ60493		0.19	<0.005	<0.2	2.47	2	<10	130	0.5	<2	0.74	<0.5	18	31	39	3.15
ZZ60494		0.17	0.013	<0.2	1.46	4	<10	100	0.7	<2	0.47	<0.5	9	23	26	2.26
ZZ60495		0.14	<0.005	<0.2	1.27	6	<10	110	1.0	<2	0.50	<0.5	9	18	25	2.01



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ60378		<10	<1	0.08	10	0.94	620	<1	0.05	38	580	5	<0.01	<2	7	80
ZZ60379		10	<1	0.07	10	0.84	368	<1	0.05	37	510	6	0.02	2	9	58
ZZ60380		10	<1	0.09	10	0.83	341	<1	0.05	37	540	6	0.01	2	8	60
ZZ60267		<10	<1	0.04	<10	0.67	707	<1	0.05	60	450	<2	<0.01	<2	9	33
ZZ60268		<10	<1	0.03	<10	0.67	1985	<1	0.05	93	300	<2	<0.01	<2	14	24
ZZ60269		<10	<1	0.07	10	0.54	636	<1	0.05	47	630	<2	0.02	<2	7	42
ZZ60270		<10	<1	0.06	10	0.64	418	<1	0.06	35	590	<2	0.01	<2	5	40
ZZ60271		10	<1	0.07	10	0.65	513	1	0.04	35	560	3	0.03	<2	4	45
ZZ60272		<10	<1	0.05	10	1.29	593	<1	0.04	50	570	<2	<0.01	<2	8	31
ZZ60273		<10	<1	0.07	10	0.78	566	<1	0.05	40	570	3	0.02	<2	7	40
ZZ60274		<10	<1	0.07	10	0.82	849	<1	0.08	56	830	2	0.01	<2	9	61
ZZ60275		<10	<1	0.07	10	0.81	510	<1	0.07	48	640	3	<0.01	<2	7	48
ZZ60443		<10	<1	0.05	10	1.12	588	<1	0.08	36	800	<2	0.03	2	8	76
ZZ60444		<10	<1	0.08	10	1.03	526	<1	0.06	47	780	<2	0.01	<2	5	91
ZZ60445		10	1	0.05	10	0.59	681	<1	0.05	27	520	3	0.06	2	4	46
ZZ60446		<10	<1	0.07	<10	0.71	1015	<1	0.06	32	580	2	0.06	<2	4	56
ZZ60473		<10	<1	0.06	10	0.54	479	<1	0.05	46	760	<2	0.03	<2	6	42
ZZ60474		<10	<1	0.05	10	0.65	567	<1	0.07	71	650	2	0.02	<2	8	51
ZZ60475		10	<1	0.05	10	1.65	1135	<1	0.15	112	940	<2	0.01	<2	6	138
ZZ60476		10	<1	0.06	10	1.32	1175	<1	0.14	97	920	3	0.04	2	7	138
ZZ60477		<10	<1	0.06	10	1.09	668	<1	0.12	64	1030	2	0.05	<2	5	117
ZZ60478		<10	<1	0.06	10	1.09	980	<1	0.13	109	910	2	<0.01	<2	9	102
ZZ60479		<10	<1	0.06	10	0.56	427	<1	0.05	42	860	<2	0.06	<2	4	43
ZZ60480		<10	<1	0.06	10	0.37	345	<1	0.04	48	430	3	0.02	<2	6	19
ZZ60318		<10	<1	0.03	<10	0.50	804	<1	0.05	61	350	2	0.01	<2	9	22
ZZ60319		<10	<1	0.08	10	0.55	607	1	0.05	48	720	3	0.05	<2	6	39
ZZ60320		<10	<1	0.04	<10	0.80	767	<1	0.05	50	560	<2	0.04	<2	6	36
ZZ60321		<10	<1	0.05	10	0.84	543	1	0.07	43	720	3	0.05	<2	6	45
ZZ60322		<10	<1	0.08	10	0.67	549	1	0.05	33	1010	4	0.08	<2	3	68
ZZ60323		<10	1	0.04	10	0.46	346	<1	0.06	38	630	<2	0.02	<2	4	33
ZZ60324		<10	<1	0.04	10	0.73	979	1	0.06	62	780	2	0.01	<2	7	49
ZZ60325		<10	<1	0.08	10	0.60	1480	1	0.05	30	830	4	0.02	<2	7	41
ZZ60326		<10	<1	0.08	10	0.81	981	1	0.06	35	820	4	0.04	<2	7	50
ZZ60253		10	<1	0.07	10	2.29	552	<1	0.09	79	940	3	0.04	<2	8	78
ZZ60490		<10	<1	0.06	<10	0.69	666	<1	0.06	29	480	5	0.06	<2	3	46
ZZ60491		<10	<1	0.08	<10	0.56	745	<1	0.05	25	270	2	0.03	<2	4	35
ZZ60492		<10	<1	0.06	10	0.66	752	1	0.06	30	440	5	0.05	<2	4	42
ZZ60493		10	<1	0.07	10	1.02	591	<1	0.07	41	730	3	0.03	<2	7	92
ZZ60494		<10	<1	0.09	10	0.71	558	<1	0.05	31	410	3	0.03	<2	5	48
ZZ60495		<10	<1	0.11	<10	0.57	1135	1	0.05	22	400	4	0.04	<2	5	42



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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 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ60378		<20	0.10	<10	<10	78	<10	68
ZZ60379		<20	0.10	<10	<10	81	<10	66
ZZ60380		<20	0.08	<10	<10	73	<10	66
ZZ60267		<20	0.06	<10	<10	48	<10	56
ZZ60268		<20	0.02	<10	<10	39	<10	78
ZZ60269		<20	0.05	<10	<10	57	<10	58
ZZ60270		<20	0.09	<10	<10	58	<10	49
ZZ60271		<20	0.10	<10	<10	84	<10	62
ZZ60272		<20	0.05	<10	<10	54	<10	54
ZZ60273		<20	0.07	<10	<10	54	<10	49
ZZ60274		<20	0.09	<10	<10	75	<10	61
ZZ60275		<20	0.08	<10	<10	57	<10	48
ZZ60443		<20	0.08	<10	<10	79	<10	63
ZZ60444		<20	0.13	<10	<10	61	<10	48
ZZ60445		<20	0.08	<10	<10	71	<10	67
ZZ60446		<20	0.07	<10	<10	61	<10	83
ZZ60473		<20	0.07	<10	<10	53	<10	41
ZZ60474		<20	0.09	<10	<10	70	<10	51
ZZ60475		<20	0.23	<10	<10	121	<10	73
ZZ60476		<20	0.14	<10	<10	103	<10	77
ZZ60477		<20	0.15	<10	<10	97	<10	64
ZZ60478		<20	0.15	<10	<10	95	<10	66
ZZ60479		<20	0.06	<10	<10	54	<10	51
ZZ60480		<20	0.07	<10	<10	43	<10	39
ZZ60318		<20	0.03	<10	<10	42	<10	58
ZZ60319		<20	0.05	<10	<10	58	<10	60
ZZ60320		<20	0.03	<10	<10	47	<10	54
ZZ60321		<20	0.08	<10	<10	62	<10	56
ZZ60322		<20	0.07	<10	<10	58	<10	62
ZZ60323		<20	0.08	<10	<10	43	<10	28
ZZ60324		<20	0.08	<10	<10	64	<10	64
ZZ60325		<20	0.09	<10	<10	56	<10	73
ZZ60326		<20	0.12	<10	<10	69	<10	78
ZZ60253		<20	0.10	<10	<10	87	<10	56
ZZ60490		<20	0.08	<10	<10	64	<10	72
ZZ60491		<20	0.08	<10	<10	55	<10	67
ZZ60492		<20	0.07	<10	<10	58	<10	74
ZZ60493		<20	0.18	<10	<10	67	<10	52
ZZ60494		<20	0.09	<10	<10	47	<10	55
ZZ60495		<20	0.06	<10	<10	34	<10	75



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Project: Mint

CERTIFICATE OF ANALYSIS WH12159016

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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
ZZ60496		0.15	<0.005	<0.2	1.26	7	<10	120	0.9	<2	0.45	<0.5	8	18	25	2.00
ZZ60497		0.30	<0.005	<0.2	0.77	2	<10	80	0.6	<2	0.32	<0.5	6	12	16	1.40
ZZ60498		0.28	<0.005	<0.2	1.53	11	<10	160	0.5	<2	0.64	<0.5	12	32	33	2.60
ZZ60499		0.20	<0.005	<0.2	1.03	4	<10	270	<0.5	<2	1.17	<0.5	20	58	53	3.25
ZZ60256		0.22	<0.005	<0.2	2.01	3	<10	140	<0.5	<2	0.48	<0.5	9	24	35	2.32
ZZ60257		0.23	<0.005	<0.2	1.90	3	<10	130	<0.5	<2	0.59	<0.5	12	29	40	2.70
ZZ60258		0.16	<0.005	<0.2	2.53	5	<10	120	0.5	<2	0.42	<0.5	13	35	37	3.67
ZZ60259		0.22	<0.005	<0.2	1.28	3	<10	90	<0.5	<2	0.40	<0.5	10	23	27	2.57
ZZ60260		0.10	<0.005	<0.2	1.84	9	<10	130	<0.5	<2	0.57	<0.5	17	40	39	3.45
ZZ60261		0.26	<0.005	<0.2	0.98	3	<10	90	<0.5	<2	0.33	<0.5	6	18	24	1.35
ZZ60448		0.22	0.005	<0.2	2.11	4	<10	120	<0.5	<2	0.57	<0.5	15	34	35	3.15
ZZ60449		0.23	<0.005	<0.2	2.04	6	<10	120	<0.5	<2	0.63	<0.5	16	39	46	3.46
ZZ60450		0.23	<0.005	<0.2	2.80	2	<10	270	0.6	<2	0.71	<0.5	21	43	44	3.78
ZZ60012		0.25	<0.005	<0.2	1.77	3	<10	120	<0.5	<2	0.50	<0.5	8	24	41	2.09
ZZ60013		0.10	<0.005	<0.2	1.51	5	<10	120	<0.5	<2	0.51	<0.5	14	27	34	2.73
ZZ60452		0.19	<0.005	<0.2	2.55	5	<10	120	0.5	<2	0.86	<0.5	16	36	44	3.17
ZZ60453		0.23	<0.005	<0.2	1.93	15	<10	220	0.6	<2	1.16	<0.5	16	31	35	3.41
ZZ60454		0.41	0.005	<0.2	2.13	13	10	140	0.6	<2	0.98	<0.5	13	51	46	3.17
ZZ60455		0.19	<0.005	<0.2	1.72	10	<10	140	0.6	<2	0.74	<0.5	11	34	29	2.64
ZZ60456		0.27	<0.005	<0.2	0.69	5	<10	90	0.7	<2	0.24	<0.5	5	10	12	1.08
ZZ60457		0.23	<0.005	<0.2	0.62	2	<10	60	0.5	<2	0.26	<0.5	5	10	13	1.21
ZZ60458		0.27	<0.005	<0.2	0.82	3	<10	70	0.6	<2	0.35	<0.5	6	15	18	1.70
ZZ60470		0.15	<0.005	<0.2	1.20	2	<10	80	<0.5	<2	0.72	<0.5	16	31	34	2.48
ZZ60295		0.09	<0.005	<0.2	1.06	3	<10	90	<0.5	<2	0.59	<0.5	17	50	33	2.52
ZZ60296		0.26	<0.005	<0.2	1.87	4	<10	140	<0.5	<2	0.55	<0.5	15	44	37	3.03
ZZ60297		0.10	<0.005	<0.2	0.91	3	<10	70	<0.5	<2	0.83	<0.5	9	28	29	1.84
ZZ60298		0.03	NSS	<0.2	0.86	2	<10	110	<0.5	<2	1.67	<0.5	9	20	38	1.57
ZZ60220		0.17	<0.005	<0.2	1.62	7	<10	60	<0.5	<2	1.28	<0.5	26	54	77	3.17
ZZ60221		0.12	NSS	<0.2	1.92	4	<10	60	<0.5	<2	1.32	<0.5	30	62	85	3.99
ZZ60222		0.13	NSS	<0.2	0.71	6	<10	50	<0.5	<2	0.81	<0.5	11	27	35	1.89
ZZ60223		0.14	NSS	<0.2	2.31	2	<10	130	<0.5	<2	1.35	<0.5	25	30	101	4.16
ZZ60192		0.20	<0.005	<0.2	1.05	3	<10	80	<0.5	<2	0.52	<0.5	16	35	43	2.70
ZZ60193		0.18	NSS	<0.2	2.38	5	<10	130	<0.5	<2	2.04	<0.5	30	20	101	4.51



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Project: Mint

CERTIFICATE OF ANALYSIS WH12159016

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ60496		<10	<1	0.14	10	0.55	777	1	0.05	22	390	3	0.03	<2	5	42
ZZ60497		<10	<1	0.09	<10	0.40	786	<1	0.05	17	280	2	0.02	<2	4	39
ZZ60498		<10	<1	0.17	10	0.71	697	1	0.06	35	560	4	0.03	<2	6	93
ZZ60499		<10	<1	0.07	10	1.67	763	<1	0.04	67	1020	2	0.05	<2	10	74
ZZ60256		10	<1	0.05	<10	0.44	368	<1	0.06	24	570	4	0.05	<2	3	51
ZZ60257		10	<1	0.05	10	0.63	449	1	0.06	29	690	5	0.06	<2	4	60
ZZ60258		10	<1	0.05	<10	0.44	587	1	0.05	28	500	6	0.06	<2	3	45
ZZ60259		<10	<1	0.03	10	0.44	527	<1	0.04	22	540	3	0.06	<2	3	35
ZZ60260		10	<1	0.05	10	0.97	1140	1	0.05	43	670	7	0.06	<2	5	55
ZZ60261		<10	<1	0.06	<10	0.32	224	<1	0.04	16	430	2	0.04	<2	2	35
ZZ60448		10	<1	0.07	10	0.96	576	<1	0.05	40	780	4	0.04	<2	4	62
ZZ60449		10	<1	0.06	10	1.07	876	<1	0.05	43	790	6	0.07	<2	6	58
ZZ60450		10	<1	0.10	10	1.62	634	<1	0.06	66	620	3	0.04	<2	9	87
ZZ60012		<10	<1	0.05	10	0.48	281	<1	0.06	23	540	4	0.05	<2	5	50
ZZ60013		<10	1	0.04	10	0.62	459	1	0.05	28	550	5	0.06	<2	3	45
ZZ60452		10	<1	0.07	10	1.34	404	<1	0.07	46	740	5	0.05	<2	7	85
ZZ60453		<10	<1	0.14	20	1.15	842	1	0.04	54	810	8	0.06	<2	7	102
ZZ60454		10	<1	0.26	10	0.93	792	<1	0.11	47	610	6	0.05	<2	7	122
ZZ60455		<10	<1	0.18	10	0.76	613	1	0.07	34	610	4	0.05	<2	6	102
ZZ60456		<10	<1	0.10	<10	0.31	589	<1	0.04	11	220	3	0.02	<2	3	36
ZZ60457		<10	<1	0.08	<10	0.29	613	<1	0.04	13	210	2	0.02	<2	3	25
ZZ60458		<10	<1	0.07	<10	0.39	626	1	0.05	16	320	2	0.02	<2	4	30
ZZ60470		<10	<1	0.06	10	1.16	573	<1	0.09	56	840	2	0.02	<2	6	71
ZZ60295		<10	<1	0.11	10	0.68	626	<1	0.05	52	640	3	0.05	<2	7	38
ZZ60296		<10	<1	0.05	10	0.72	554	<1	0.06	42	450	4	0.04	<2	7	42
ZZ60297		<10	<1	0.04	10	0.68	291	<1	0.05	31	580	2	0.06	<2	4	49
ZZ60298		<10	<1	0.05	10	0.54	561	<1	0.05	26	690	2	0.13	<2	2	194
ZZ60220		<10	<1	0.03	10	1.89	637	<1	0.17	99	970	2	0.05	<2	5	138
ZZ60221		<10	<1	0.04	10	2.56	854	1	0.18	123	910	3	0.14	<2	7	153
ZZ60222		<10	<1	0.02	<10	0.78	615	<1	0.02	33	530	<2	0.01	<2	4	36
ZZ60223		10	<1	0.04	10	2.06	1155	1	0.22	41	1150	2	0.03	<2	8	179
ZZ60192		<10	<1	0.03	<10	0.81	700	<1	0.04	43	620	<2	0.03	<2	6	39
ZZ60193		10	<1	0.03	10	2.61	1665	<1	0.27	36	1150	3	0.04	<2	9	226



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CERTIFICATE OF ANALYSIS WH12159016

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 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ60496		<20	0.04	<10	<10	34	<10	73
ZZ60497		<20	0.05	<10	<10	25	<10	55
ZZ60498		<20	0.04	<10	<10	51	<10	62
ZZ60499		<20	0.07	<10	<10	79	<10	56
ZZ60256		<20	0.13	<10	<10	72	<10	46
ZZ60257		<20	0.10	<10	<10	74	<10	57
ZZ60258		<20	0.11	<10	<10	92	<10	69
ZZ60259		<20	0.09	<10	<10	64	<10	49
ZZ60260		<20	0.08	<10	<10	80	<10	61
ZZ60261		<20	0.06	<10	<10	38	<10	27
ZZ60448		<20	0.11	<10	<10	77	<10	57
ZZ60449		<20	0.09	<10	<10	82	<10	63
ZZ60450		<20	0.14	<10	<10	83	<10	58
ZZ60012		<20	0.13	<10	<10	68	<10	40
ZZ60013		<20	0.08	<10	<10	64	<10	67
ZZ60452		<20	0.14	<10	<10	74	<10	62
ZZ60453		<20	0.02	<10	<10	50	<10	82
ZZ60454		<20	0.03	<10	<10	69	<10	72
ZZ60455		<20	0.04	<10	<10	51	<10	67
ZZ60456		<20	0.04	<10	<10	21	<10	35
ZZ60457		<20	0.04	<10	<10	23	<10	46
ZZ60458		<20	0.07	<10	<10	36	<10	54
ZZ60470		<20	0.11	<10	<10	64	<10	46
ZZ60295		<20	0.07	<10	<10	57	<10	44
ZZ60296		<20	0.08	<10	<10	72	<10	56
ZZ60297		<20	0.05	<10	<10	44	<10	40
ZZ60298		<20	0.04	<10	<10	35	<10	48
ZZ60220		<20	0.06	<10	<10	72	<10	48
ZZ60221		<20	0.05	<10	<10	77	<10	71
ZZ60222		<20	0.02	<10	<10	34	<10	41
ZZ60223		<20	0.07	<10	<10	99	<10	62
ZZ60192		<20	0.04	<10	<10	46	<10	54
ZZ60193		<20	0.06	<10	<10	100	<10	58



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CERTIFICATE OF ANALYSIS WH12159016

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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CERTIFICATE WH12172348

Project: Mint

P.O. No.: Batch 1

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

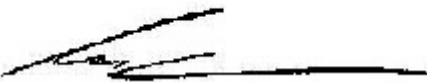
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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 WH12172348

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677001		3.25	0.038	0.21	7.49	12.9	850	1.06	0.23	2.55	0.24	26.0	13.9	47	1.22	46.2
M677002		3.12	0.046	0.33	7.33	16.5	640	0.86	0.45	2.55	0.60	23.2	12.2	54	1.35	140.0
M677003		6.48	0.024	0.14	7.16	9.1	660	0.80	0.18	2.46	0.35	23.5	14.6	52	1.18	53.2
M677004		5.06	0.047	0.18	7.27	24.2	600	0.85	0.15	2.53	0.12	20.9	12.8	54	1.00	36.2
M677005		5.11	0.026	0.12	7.25	16.5	590	0.83	0.16	2.82	0.42	20.3	12.8	56	0.88	47.2
M677006		2.17	0.029	0.18	8.18	17.0	640	0.80	0.10	3.14	1.49	27.3	12.7	57	1.17	45.5
M677007		5.58	0.061	0.23	8.53	22.5	750	0.83	0.22	3.30	0.12	29.7	13.5	50	1.34	108.5
M677008		4.98	0.101	0.65	7.96	23.8	820	0.82	0.77	2.77	3.75	28.7	17.0	55	1.22	106.5
M677009		3.97	0.082	0.46	8.06	6.5	780	0.88	0.71	2.78	0.37	27.8	11.9	52	1.38	226
M677010		6.84	<0.005	0.01	0.12	<5	30	0.07	0.02	20.0	0.10	1.49	1.1	1	0.24	2.0
M677011		4.66	0.022	0.22	8.43	9.7	850	1.21	0.26	2.94	0.16	32.0	13.6	56	1.06	95.6
M677012		2.66	0.053	0.82	7.89	11.3	790	1.14	1.27	1.32	1.18	43.6	19.4	13	1.68	363
M677013		4.40	0.087	0.94	7.96	10.3	680	0.92	1.30	1.28	2.77	28.2	12.7	38	1.49	325
M677014		0.10	0.840	6.57	5.45	9450	1220	1.59	221	12.80	1.15	436	74.2	52	9.96	3560
M677015		2.18	0.095	0.95	8.32	5.2	680	0.93	1.72	1.42	0.88	28.4	15.7	54	1.49	611
M677016		1.85	0.067	0.33	8.20	3.6	750	0.90	0.89	1.07	0.30	28.4	16.7	58	1.45	65.9
M677017		4.23	0.074	0.64	8.28	8.0	740	0.81	1.25	1.38	0.17	25.6	17.0	48	1.39	293
M677018		2.85	0.080	0.59	8.22	6.6	790	0.84	1.69	1.43	0.13	23.1	13.0	50	1.38	181.5
M677019		5.12	0.228	0.53	8.24	5.7	400	0.83	0.88	0.84	0.13	31.2	9.9	66	1.30	379
M677020		4.17	0.070	0.44	8.28	18.4	760	0.73	1.08	1.15	1.85	23.6	11.5	30	1.69	101.0
M677021		0.10	1.200	22.5	4.64	>10000	640	1.59	233	13.40	3.00	226	68.0	55	5.51	>10000
M677022		4.95	0.192	1.35	8.15	8.8	320	0.80	1.69	0.73	1.98	16.30	12.4	41	1.53	71.2
M677023		3.49	0.062	0.42	8.53	10.8	590	0.82	0.97	0.86	0.68	18.75	10.1	33	1.41	415
M677024		2.86	0.045	0.50	8.34	6.2	680	0.78	0.98	0.73	0.33	22.8	11.9	63	1.41	228
M677025		4.25	0.031	0.52	8.54	6.3	570	0.73	1.07	1.03	1.69	21.9	15.3	54	1.63	30.7
M677026		2.60	0.055	0.49	8.19	6.4	570	0.67	0.77	0.70	1.36	15.65	11.5	74	1.44	130.5
M677027		4.93	<0.005	0.01	0.10	<5	30	0.05	0.02	21.2	0.08	1.38	1.0	1	0.20	2.1
M677028		2.13	0.055	0.29	8.71	10.0	360	0.78	0.63	1.24	1.67	19.05	13.7	85	1.09	153.0
M677029		5.14	0.286	1.05	7.72	8.3	170	0.85	1.22	0.80	3.58	13.05	14.5	54	2.21	28.9
M677030		5.93	0.066	0.46	8.18	11.5	690	0.81	0.62	0.67	2.24	20.2	12.7	42	1.60	84.7
M677031		4.53	0.080	0.58	8.22	6.3	550	0.90	0.66	0.59	2.51	24.4	15.8	61	1.45	249
M677032		<0.02	0.079	0.56	8.29	6.1	550	0.90	0.64	0.59	2.61	25.7	15.3	61	1.43	258
M677033		5.57	0.215	1.23	7.90	9.0	510	0.71	1.31	0.82	2.13	20.7	15.5	74	1.15	112.0
M677034		5.37	0.118	0.83	8.01	9.0	700	0.76	0.95	0.97	0.80	22.8	18.4	71	1.37	73.7
M677035		5.26	0.167	0.69	8.16	4.6	530	0.75	0.65	0.97	0.64	18.80	15.0	56	1.67	30.0
M677036		3.22	0.141	0.99	7.95	5.7	540	0.79	0.60	0.69	0.93	20.5	23.7	79	1.44	97.6



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CERTIFICATE OF ANALYSIS WH12172348

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677001		2.86	16.65	0.12	0.9	0.114	1.21	13.0	6.8	1.50	781	1.69	2.52	8.7	43.6	750
M677002		3.19	16.05	0.13	1.0	0.204	1.49	11.7	7.4	1.71	1260	1.26	2.04	6.6	50.6	770
M677003		3.04	16.35	0.13	0.8	0.147	1.25	11.7	7.2	1.66	1060	1.22	2.31	6.6	51.5	740
M677004		3.19	16.35	0.10	0.9	0.121	1.22	10.0	7.2	1.72	974	1.36	2.64	6.5	49.6	760
M677005		3.17	15.80	0.08	0.9	0.128	1.19	10.0	7.1	1.71	941	1.33	2.63	6.4	49.6	740
M677006		3.55	17.10	0.13	0.8	0.255	1.32	13.7	6.6	1.86	969	1.44	2.92	7.3	51.7	790
M677007		3.75	17.85	0.14	0.8	0.168	1.69	14.8	6.8	1.81	1340	1.66	2.67	7.8	47.1	870
M677008		3.73	17.30	0.13	0.8	0.245	1.56	14.4	6.8	1.88	1400	1.46	2.46	7.6	52.1	790
M677009		3.61	18.00	0.13	0.8	0.218	1.46	13.7	8.0	1.76	1180	1.76	2.40	8.6	49.5	820
M677010		0.51	0.35	0.08	<0.1	0.007	0.04	0.7	1.5	12.60	218	0.08	0.02	0.3	1.9	170
M677011		3.61	17.50	0.13	0.9	0.124	1.21	16.1	12.8	1.94	646	1.19	3.00	8.2	49.9	850
M677012		5.22	17.85	0.16	0.7	0.304	2.59	21.8	12.1	1.02	752	0.83	1.37	13.1	17.4	790
M677013		4.80	19.15	0.16	0.5	0.369	2.66	14.3	13.2	1.65	838	0.87	0.99	7.9	29.8	850
M677014		9.47	20.0	0.41	1.9	1.820	2.11	258	43.6	1.43	2450	14.40	0.90	10.3	37.9	1020
M677015		4.20	18.40	0.12	0.3	0.171	1.83	14.0	11.2	1.99	734	0.75	2.21	7.2	43.5	860
M677016		4.24	18.40	0.14	0.3	0.111	1.72	13.9	13.8	2.07	593	0.80	2.15	7.4	52.2	840
M677017		4.19	18.10	0.15	0.2	0.126	2.01	12.3	13.3	1.89	642	0.49	2.04	6.4	39.3	890
M677018		4.12	18.45	0.15	0.2	0.162	2.15	11.2	14.1	1.92	704	0.97	1.75	6.3	41.9	900
M677019		4.53	18.20	0.14	0.3	0.107	1.23	15.8	11.7	2.22	828	0.85	2.52	7.5	57.4	840
M677020		3.94	17.20	0.15	0.3	0.197	2.36	11.4	11.2	1.50	617	7.01	1.60	5.6	29.0	890
M677021		11.60	14.25	0.33	1.6	4.84	1.19	140.0	45.2	1.29	1860	13.90	1.27	8.7	71.5	850
M677022		5.86	20.3	0.14	0.3	0.284	2.70	7.4	10.8	1.77	619	2.49	1.09	5.8	36.2	940
M677023		3.71	19.70	0.12	0.2	0.184	1.90	8.7	10.4	1.89	590	0.49	2.46	5.3	32.3	890
M677024		4.35	19.50	0.15	0.2	0.140	2.19	10.9	12.1	2.02	500	0.71	1.74	6.0	46.8	1020
M677025		4.67	19.95	0.16	0.3	0.162	2.38	10.5	12.0	1.97	625	1.03	1.61	5.7	45.6	940
M677026		3.57	17.40	0.14	0.2	0.143	2.06	7.4	10.2	1.73	596	1.30	1.97	4.4	54.8	720
M677027		0.50	0.32	0.07	<0.1	0.005	0.04	0.7	1.5	12.60	223	0.12	0.01	0.3	1.6	190
M677028		3.68	16.20	0.13	0.2	0.087	1.27	9.1	11.5	2.10	929	2.62	3.19	4.5	66.2	760
M677029		5.95	16.90	0.16	0.2	0.185	2.51	5.7	9.4	1.33	562	1.37	1.01	4.6	44.0	820
M677030		4.29	18.15	0.15	0.3	0.157	2.27	9.3	11.1	1.75	573	1.03	1.69	5.9	39.7	1000
M677031		3.96	17.95	0.15	0.2	0.122	1.77	11.2	11.6	1.97	604	1.24	2.09	5.6	52.8	1010
M677032		3.87	18.15	0.16	0.2	0.125	1.75	11.9	11.3	1.98	610	1.21	2.10	5.6	53.1	1010
M677033		4.88	17.40	0.17	0.3	0.157	1.73	9.8	12.3	2.05	735	0.77	2.22	4.4	59.4	810
M677034		4.73	17.85	0.17	0.3	0.122	1.76	10.6	12.1	2.27	793	1.47	2.00	5.6	65.8	960
M677035		4.32	16.75	0.18	0.3	0.143	2.13	8.7	10.4	1.90	718	1.14	1.91	5.4	55.1	860
M677036		4.88	18.15	0.17	0.3	0.116	1.95	9.3	14.1	2.56	766	1.70	1.77	5.8	88.4	1040



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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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.1
M677001		9.7	25.4	0.002	0.54	1.56	9.0	<1	0.8	427	0.70	0.13	2.1	0.312	0.7
M677002		9.1	30.0	0.002	1.25	1.66	9.9	<1	0.7	336	0.53	0.27	1.7	0.332	0.6
M677003		6.6	26.5	<0.002	0.38	1.04	10.3	1	0.7	321	0.53	0.06	1.6	0.318	0.5
M677004		6.6	21.7	<0.002	0.80	1.57	9.6	<1	0.7	348	0.53	0.16	1.3	0.334	0.5
M677005		5.7	22.6	0.003	0.42	1.30	9.8	<1	0.6	325	0.48	0.07	1.3	0.328	0.6
M677006		7.6	31.7	<0.002	0.46	1.49	10.2	1	0.7	346	0.51	0.10	1.6	0.349	0.7
M677007		6.9	40.7	<0.002	1.09	1.77	10.2	1	0.7	335	0.55	0.19	1.7	0.361	0.6
M677008		14.4	31.4	<0.002	1.89	1.87	10.3	1	0.7	336	0.53	0.65	1.5	0.358	0.6
M677009		7.6	28.6	<0.002	1.12	1.89	9.5	1	0.8	397	0.60	0.38	1.8	0.338	0.6
M677010		1.7	1.6	<0.002	0.03	0.07	0.3	1	0.2	48.3	<0.05	<0.05	<0.2	0.005	0.7
M677011		8.6	24.6	<0.002	0.36	2.23	11.5	1	0.8	488	0.62	0.10	1.7	0.366	0.5
M677012		43.6	69.9	<0.002	4.66	1.29	5.7	3	1.4	124.0	1.11	0.58	3.9	0.251	1.1
M677013		27.7	71.7	0.002	3.66	2.04	9.2	4	1.5	79.7	0.56	0.51	2.0	0.326	0.8
M677014		37.0	137.0	0.003	1.48	32.2	8.0	8	107.0	259	0.64	0.91	11.4	0.241	14.3
M677015		16.6	43.8	0.004	2.68	0.95	11.3	2	1.0	223	0.53	0.65	1.8	0.362	0.6
M677016		5.9	44.2	0.003	2.57	1.05	11.1	3	0.9	235	0.52	0.33	1.9	0.358	0.5
M677017		7.5	48.8	<0.002	3.00	1.44	10.3	4	1.1	181.5	0.43	0.58	1.5	0.348	0.4
M677018		5.5	51.4	0.002	2.72	1.06	10.2	2	1.2	153.5	0.44	0.52	1.3	0.331	0.4
M677019		4.9	31.8	<0.002	1.16	0.86	11.2	1	0.8	269	0.53	0.22	1.9	0.358	0.6
M677020		9.2	63.5	0.002	3.05	1.15	9.4	3	1.1	135.0	0.38	0.51	1.1	0.332	0.3
M677021		30.7	70.1	0.008	2.89	33.3	6.4	14	94.6	257	0.54	1.63	9.5	0.202	10.4
M677022		26.3	69.5	0.002	5.23	1.50	10.6	4	1.7	73.8	0.38	1.38	0.9	0.381	0.5
M677023		11.9	46.5	<0.002	2.40	0.88	9.9	2	1.1	207	0.36	0.40	1.0	0.337	0.3
M677024		20.5	53.7	<0.002	3.53	1.25	10.6	4	1.7	128.0	0.40	0.44	1.2	0.359	0.4
M677025		31.0	60.2	0.002	4.02	1.20	11.3	6	1.9	123.0	0.38	0.46	1.2	0.337	0.4
M677026		8.6	54.5	0.003	2.39	0.83	9.3	4	1.4	155.0	0.28	0.45	0.9	0.265	0.3
M677027		2.1	1.7	<0.002	0.03	0.11	0.3	1	0.2	46.5	<0.05	<0.05	<0.2	<0.005	0.6
M677028		5.3	28.8	0.004	0.79	0.94	9.9	1	0.7	316	0.30	0.27	0.8	0.258	0.3
M677029		30.3	62.5	0.002	5.77	1.16	9.0	8	1.7	77.9	0.30	0.82	0.8	0.277	0.3
M677030		13.2	57.3	0.003	3.31	0.98	10.7	4	1.5	139.0	0.39	0.41	1.0	0.382	0.3
M677031		21.9	48.0	0.002	2.42	0.94	11.1	4	1.0	218	0.37	0.31	1.1	0.365	0.3
M677032		20.8	49.0	0.002	2.30	0.95	11.0	4	1.0	225	0.36	0.30	1.1	0.363	0.3
M677033		45.3	46.5	<0.002	3.92	0.76	9.9	5	1.1	181.0	0.27	0.89	0.9	0.270	0.3
M677034		25.2	41.0	0.002	3.61	1.08	12.5	6	1.3	203	0.35	0.68	1.1	0.357	0.3
M677035		19.2	58.6	0.002	3.57	1.19	10.0	7	1.2	160.0	0.35	0.52	1.0	0.318	0.3
M677036		9.0	39.8	0.003	3.77	1.16	11.6	6	1.4	169.5	0.35	0.68	1.1	0.385	0.4



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CERTIFICATE OF ANALYSIS WH12172348

Sample Description	Method Analyte Units LOR	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	Cu-OG62 Cu % 0.001
M677001		73	0.8	8.4	103	28.2	
M677002		82	1.6	8.3	188	27.0	
M677003		82	0.9	8.7	161	24.2	
M677004		85	1.3	7.7	109	25.0	
M677005		84	0.8	7.9	142	23.8	
M677006		87	0.8	9.6	293	25.9	
M677007		88	1.3	10.3	149	23.2	
M677008		86	1.6	9.7	738	24.7	
M677009		83	1.6	9.4	170	25.2	
M677010		2	0.1	0.9	21	0.6	
M677011		87	1.0	9.2	89	25.9	
M677012		52	4.0	9.3	199	19.8	
M677013		78	5.6	9.4	398	18.6	
M677014		56	35.6	33.7	177	68.2	
M677015		91	5.3	10.2	179	9.3	
M677016		92	4.9	9.9	108	9.3	
M677017		87	5.3	10.0	77	7.2	
M677018		83	6.8	9.6	82	7.0	
M677019		94	2.5	9.2	129	10.4	
M677020		77	4.8	9.4	295	9.9	
M677021		48	283	28.2	322	57.0	1.280
M677022		90	5.7	9.0	321	8.5	
M677023		83	5.9	8.1	146	6.6	
M677024		92	6.6	9.9	99	6.7	
M677025		92	5.8	10.0	275	7.9	
M677026		72	3.8	7.1	254	5.7	
M677027		2	0.2	0.9	20	0.5	
M677028		75	1.3	7.2	341	6.5	
M677029		73	3.6	8.6	540	7.2	
M677030		93	4.0	8.9	377	6.5	
M677031		97	3.1	8.3	443	6.7	
M677032		97	3.1	8.5	456	6.4	
M677033		80	4.2	7.1	342	8.4	
M677034		105	4.9	8.2	168	8.5	
M677035		85	5.0	8.0	142	8.9	
M677036		105	5.2	8.2	205	9.4	



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CERTIFICATE OF ANALYSIS WH12172348

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10%on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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P.O. No.:

This report is for 121 Soil samples submitted to our lab in Whitehorse, YT, Canada on 25- 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
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **SILVER RANGE RESOURCES LTD.
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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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CERTIFICATE OF ANALYSIS WH12174360

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	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 %	ME- ICP41 Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ZZ60016		0.08	<0.2	1.89	6	<10	150	<0.5	<2	0.62	<0.5	13	40	29	2.97	10
ZZ60039		0.15	<0.2	1.39	<2	<10	90	<0.5	<2	0.50	<0.5	12	34	35	2.65	<10
ZZ60040		0.15	<0.2	1.31	3	<10	110	<0.5	<2	0.49	<0.5	11	33	26	2.47	<10
ZZ60041		0.08	<0.2	1.48	2	<10	120	<0.5	<2	0.57	<0.5	11	30	32	2.61	<10
ZZ60042		0.20	<0.2	1.77	4	<10	120	0.5	<2	0.49	<0.5	12	32	41	2.71	<10
ZZ60060		0.33	<0.2	1.89	3	<10	130	0.6	<2	0.86	<0.5	21	46	37	4.45	<10
ZZ60061		0.21	<0.2	1.88	6	<10	90	0.5	<2	0.91	<0.5	20	38	45	4.10	<10
ZZ60062		0.17	<0.2	2.38	4	<10	130	0.6	<2	1.31	<0.5	20	28	40	4.31	10
ZZ60063		0.25	<0.2	1.95	<2	<10	50	0.6	<2	1.06	<0.5	17	20	44	4.15	10
ZZ60064		0.23	<0.2	3.31	<2	<10	110	0.6	<2	1.31	<0.5	22	27	50	3.75	10
ZZ60065		0.27	<0.2	3.24	<2	<10	100	0.6	<2	1.13	<0.5	22	28	47	3.98	10
ZZ60066		0.13	<0.2	1.57	12	<10	70	<0.5	<2	0.64	<0.5	11	27	22	2.68	<10
ZZ60067		0.20	<0.2	1.55	12	<10	220	<0.5	<2	0.70	<0.5	15	39	49	3.35	<10
ZZ60068		0.16	<0.2	1.65	17	<10	130	<0.5	<2	0.66	<0.5	13	40	47	3.28	<10
ZZ60069		0.32	<0.2	1.22	19	<10	130	<0.5	<2	0.50	<0.5	16	42	61	3.72	<10
ZZ60070		0.20	<0.2	1.65	20	<10	130	<0.5	<2	0.69	<0.5	14	42	50	3.40	<10
ZZ60071		0.19	<0.2	2.04	10	<10	80	<0.5	<2	1.12	<0.5	23	53	57	4.35	<10
ZZ60072		0.18	<0.2	1.85	33	<10	150	0.8	<2	0.62	<0.5	13	38	47	3.80	<10
ZZ60073		0.20	<0.2	2.61	2	<10	120	<0.5	<2	0.81	<0.5	14	26	27	2.47	10
ZZ60074		0.17	<0.2	4.59	<2	<10	90	0.7	<2	1.41	<0.5	31	39	85	3.81	10
ZZ60075		0.14	<0.2	3.88	<2	<10	140	0.7	<2	1.16	<0.5	26	42	59	4.62	10
ZZ60076		0.21	<0.2	3.80	4	<10	120	0.7	<2	0.93	<0.5	24	43	69	4.15	10
ZZ60077		0.19	<0.2	2.87	2	<10	150	0.6	<2	1.01	<0.5	25	32	71	4.00	10
ZZ60078		0.22	<0.2	2.34	4	<10	300	<0.5	<2	1.55	<0.5	18	12	37	3.73	10
ZZ60079		0.19	<0.2	2.92	2	<10	150	0.5	<2	1.14	<0.5	20	19	56	3.72	10
ZZ60080		0.26	<0.2	2.66	3	<10	100	0.7	<2	1.02	<0.5	19	23	50	3.74	10
ZZ60081		0.21	<0.2	2.98	<2	<10	120	0.7	<2	1.03	<0.5	23	31	53	4.07	10
ZZ60082		0.24	<0.2	1.29	<2	<10	120	0.5	<2	2.65	<0.5	10	15	32	1.85	<10
ZZ60083		0.18	<0.2	0.59	2	<10	110	0.5	<2	1.58	<0.5	8	5	12	2.37	<10
ZZ60084		0.19	<0.2	1.05	2	<10	100	0.5	<2	0.60	<0.5	21	36	35	3.93	<10
ZZ60085		0.20	<0.2	0.51	<2	<10	40	<0.5	<2	0.30	<0.5	18	44	50	3.48	<10
ZZ60086		0.19	<0.2	0.86	5	<10	60	<0.5	<2	1.32	<0.5	28	65	47	4.20	<10
ZZ60087		0.19	<0.2	1.52	3	<10	80	0.5	<2	0.84	<0.5	26	109	62	4.22	<10
ZZ60088		0.18	<0.2	1.71	7	<10	100	<0.5	<2	1.10	<0.5	24	145	65	3.87	<10
ZZ60089		0.18	<0.2	1.81	7	<10	160	0.5	<2	0.63	<0.5	18	36	43	4.22	<10
ZZ60090		0.22	<0.2	1.62	5	<10	100	<0.5	<2	0.68	<0.5	17	51	57	3.06	<10
ZZ60091		0.16	<0.2	1.33	3	<10	60	<0.5	<2	0.92	<0.5	24	86	49	3.84	<10
ZZ60092		0.20	<0.2	1.81	4	<10	100	<0.5	<2	0.96	<0.5	21	33	30	3.91	10
ZZ60093		0.19	<0.2	1.61	6	<10	110	0.7	<2	0.62	<0.5	11	27	29	3.10	10
ZZ60094		0.25	<0.2	1.41	5	<10	80	<0.5	<2	0.99	<0.5	12	13	38	3.26	<10



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CERTIFICATE OF ANALYSIS WH12174360

Sample Description	Method Analyte Units LOR	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20
ZZ60016		<1	0.04	10	0.80	532	<1	0.04	30	580	6	0.06	<2	5	54	<20
ZZ60039		1	0.04	10	1.11	493	<1	0.05	40	590	2	0.04	<2	5	50	<20
ZZ60040		<1	0.04	10	0.73	411	<1	0.04	31	570	3	0.06	<2	4	44	<20
ZZ60041		1	0.05	10	0.66	413	<1	0.04	29	820	3	0.08	<2	3	53	<20
ZZ60042		<1	0.05	10	0.69	484	<1	0.04	36	670	5	0.05	<2	5	52	<20
ZZ60060		<1	0.04	10	1.39	1220	<1	0.06	32	970	4	0.01	<2	10	108	<20
ZZ60061		<1	0.06	10	1.38	1015	<1	0.07	31	1000	5	0.01	<2	10	78	<20
ZZ60062		1	0.06	10	1.71	1525	<1	0.08	28	940	3	0.03	<2	9	160	<20
ZZ60063		<1	0.06	10	1.91	845	<1	0.07	18	1080	3	<0.01	<2	8	153	<20
ZZ60064		1	0.12	10	1.65	715	<1	0.13	48	790	3	0.01	<2	7	201	<20
ZZ60065		1	0.10	10	1.59	759	<1	0.11	44	890	2	0.01	<2	8	195	<20
ZZ60066		<1	0.06	10	0.55	344	<1	0.02	37	800	4	0.01	<2	6	60	<20
ZZ60067		<1	0.06	10	0.74	822	<1	0.04	41	660	13	0.01	<2	6	79	<20
ZZ60068		<1	0.04	10	0.66	521	<1	0.04	39	640	4	0.04	<2	5	57	<20
ZZ60069		1	0.03	10	0.68	930	<1	0.04	48	640	6	0.02	<2	6	60	<20
ZZ60070		<1	0.04	10	0.70	662	<1	0.05	37	650	2	0.02	<2	7	62	<20
ZZ60071		<1	0.05	10	2.09	604	<1	0.18	83	1160	4	0.01	<2	6	148	<20
ZZ60072		<1	0.12	10	0.79	736	<1	0.04	39	870	6	0.01	<2	8	59	<20
ZZ60073		<1	0.06	10	1.69	826	<1	0.03	39	540	2	<0.01	<2	6	87	<20
ZZ60074		<1	0.08	10	2.81	1025	<1	0.09	88	710	4	0.01	<2	9	302	<20
ZZ60075		1	0.08	10	1.72	879	<1	0.08	44	1320	2	0.01	<2	8	325	<20
ZZ60076		1	0.07	10	2.00	879	<1	0.08	62	850	5	0.03	<2	8	145	<20
ZZ60077		<1	0.07	10	1.77	749	<1	0.06	69	590	3	0.02	<2	9	160	<20
ZZ60078		1	0.06	10	0.96	776	<1	0.03	33	930	2	0.01	<2	5	117	<20
ZZ60079		<1	0.08	10	1.48	724	<1	0.07	41	1070	3	0.01	<2	6	175	<20
ZZ60080		1	0.11	10	1.37	736	<1	0.09	37	990	4	0.01	<2	7	138	<20
ZZ60081		<1	0.09	10	1.69	875	<1	0.07	53	850	3	0.01	<2	8	215	<20
ZZ60082		1	0.06	10	0.87	877	<1	0.03	14	920	5	<0.01	<2	6	120	<20
ZZ60083		1	0.09	10	0.64	1080	1	0.02	5	690	6	0.01	<2	4	64	<20
ZZ60084		<1	0.04	10	0.51	1230	1	0.03	47	1200	6	0.01	<2	13	35	<20
ZZ60085		<1	0.02	<10	0.49	901	<1	0.02	62	370	<2	0.01	<2	9	31	<20
ZZ60086		<1	0.10	10	1.82	722	<1	0.13	81	790	<2	0.01	<2	9	58	<20
ZZ60087		<1	0.03	10	2.47	980	<1	0.08	80	1250	<2	0.02	<2	11	72	<20
ZZ60088		1	0.04	10	1.99	778	<1	0.06	104	870	3	0.02	<2	10	99	<20
ZZ60089		1	0.07	10	0.79	743	<1	0.05	39	910	5	0.04	<2	9	65	<20
ZZ60090		<1	0.07	10	1.75	655	<1	0.09	53	750	2	0.02	<2	8	87	<20
ZZ60091		<1	0.05	10	2.58	777	<1	0.07	113	870	3	0.02	<2	11	68	<20
ZZ60092		<1	0.05	10	2.25	970	<1	0.13	34	940	2	0.02	<2	9	92	<20
ZZ60093		<1	0.04	10	0.88	662	<1	0.05	28	940	2	0.06	<2	5	64	<20
ZZ60094		<1	0.06	10	1.07	431	<1	0.09	16	1150	<2	0.03	<2	6	130	<20



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CERTIFICATE OF ANALYSIS WH12174360

Sample Description	Method Analyte Units LOR	ME- ICP41 Ti %	ME- ICP41 Ti ppm	ME- ICP41 U ppm	ME- ICP41 V ppm	ME- ICP41 W ppm	ME- ICP41 Zn ppm	Au- AA24 Au ppm
		0.01	10	10	1	10	2	0.005
ZZ60016		0.08	<10	<10	75	<10	74	<0.005
ZZ60039		0.07	<10	<10	62	<10	56	<0.005
ZZ60040		0.07	<10	<10	59	<10	55	<0.005
ZZ60041		0.07	<10	<10	63	<10	64	<0.005
ZZ60042		0.07	<10	<10	62	<10	59	<0.005
ZZ60060		0.10	<10	<10	106	<10	78	<0.005
ZZ60061		0.16	<10	<10	108	<10	78	<0.005
ZZ60062		0.22	<10	<10	104	<10	63	<0.005
ZZ60063		0.27	<10	<10	138	<10	65	<0.005
ZZ60064		0.19	<10	<10	70	<10	60	<0.005
ZZ60065		0.22	<10	<10	87	<10	62	<0.005
ZZ60066		0.01	<10	<10	51	<10	49	<0.005
ZZ60067		0.04	<10	<10	61	<10	78	<0.005
ZZ60068		0.05	<10	<10	63	<10	65	<0.005
ZZ60069		0.04	<10	<10	56	<10	112	<0.005
ZZ60070		0.05	<10	<10	62	<10	59	<0.005
ZZ60071		0.16	<10	<10	115	<10	68	<0.005
ZZ60072		0.07	<10	<10	73	<10	67	<0.005
ZZ60073		0.01	<10	<10	63	<10	41	<0.005
ZZ60074		0.16	<10	<10	70	<10	79	<0.005
ZZ60075		0.27	<10	<10	114	<10	86	<0.005
ZZ60076		0.21	<10	<10	82	<10	79	<0.005
ZZ60077		0.13	<10	<10	125	<10	63	<0.005
ZZ60078		0.02	<10	<10	92	<10	56	<0.005
ZZ60079		0.12	<10	<10	85	<10	63	0.011
ZZ60080		0.22	<10	<10	73	<10	63	<0.005
ZZ60081		0.21	<10	<10	80	<10	62	<0.005
ZZ60082		0.01	<10	<10	35	<10	56	<0.005
ZZ60083		0.02	<10	<10	21	<10	67	<0.005
ZZ60084		0.02	<10	<10	62	<10	97	0.013
ZZ60085		0.02	<10	<10	47	<10	30	<0.005
ZZ60086		0.02	<10	<10	57	<10	47	<0.005
ZZ60087		0.07	<10	<10	82	<10	85	<0.005
ZZ60088		0.06	<10	<10	85	<10	78	<0.005
ZZ60089		0.05	<10	<10	81	<10	82	<0.005
ZZ60090		0.06	<10	<10	68	<10	64	<0.005
ZZ60091		0.11	<10	<10	97	<10	71	<0.005
ZZ60092		0.13	<10	<10	83	<10	70	<0.005
ZZ60093		0.06	<10	<10	61	<10	64	<0.005
ZZ60094		0.09	<10	<10	78	<10	53	<0.005



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CERTIFICATE OF ANALYSIS WH12174360

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	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 %	ME- ICP41 Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ZZ60095		0.12	<0.2	2.96	10	<10	210	0.6	<2	0.53	<0.5	19	40	39	4.50	10
ZZ60167		0.11	<0.2	2.57	6	<10	180	0.5	<2	0.67	<0.5	18	39	43	4.05	10
ZZ60168		0.18	<0.2	2.60	8	<10	70	0.5	<2	1.06	<0.5	20	38	65	4.17	10
ZZ60169		0.10	<0.2	1.56	6	<10	100	<0.5	<2	1.47	<0.5	11	40	52	2.62	<10
ZZ60170		0.35	<0.2	2.59	11	<10	170	0.5	<2	0.98	<0.5	22	132	70	4.40	10
ZZ60171		0.15	0.2	2.30	12	<10	200	0.5	<2	1.12	<0.5	17	53	87	3.74	10
ZZ60172		0.18	<0.2	2.44	8	<10	160	0.5	<2	0.84	<0.5	19	56	50	4.00	10
ZZ60173		0.19	<0.2	2.10	9	<10	130	<0.5	<2	0.97	<0.5	21	106	68	4.06	10
ZZ60174		0.18	1.2	1.92	10	<10	310	0.5	<2	0.75	<0.5	16	53	54	3.84	10
ZZ60175		0.13	<0.2	2.45	11	<10	170	0.5	<2	0.66	<0.5	19	44	53	4.19	10
ZZ60176		0.20	0.4	1.15	8	<10	260	0.5	<2	0.95	<0.5	18	45	56	3.70	<10
ZZ60177		0.21	<0.2	2.60	10	<10	120	0.5	<2	1.06	<0.5	24	132	72	4.31	10
ZZ60178		0.15	<0.2	2.64	9	<10	170	0.6	<2	0.62	<0.5	17	51	50	3.98	10
ZZ60179		0.22	<0.2	2.06	7	<10	300	0.5	<2	1.06	<0.5	23	80	73	4.23	10
ZZ60180		0.23	<0.2	3.12	8	<10	260	0.5	<2	2.25	<0.5	27	223	70	4.67	10
ZZ60181		0.22	<0.2	2.46	7	<10	100	<0.5	<2	1.14	<0.5	23	108	65	4.14	10
ZZ60182		0.21	0.2	2.70	8	<10	210	0.5	<2	0.99	<0.5	20	82	53	4.29	10
ZZ60183		0.25	<0.2	2.36	6	<10	140	0.5	<2	1.04	<0.5	20	71	47	4.13	10
ZZ60184		0.19	<0.2	2.41	7	<10	310	0.8	<2	1.00	<0.5	17	37	45	4.06	10
ZZ60185		0.15	<0.2	2.62	6	<10	280	0.5	<2	0.89	<0.5	18	67	53	4.02	10
ZZ60186		0.20	<0.2	2.35	4	<10	170	0.5	<2	0.82	<0.5	16	53	44	3.69	10
ZZ60187		0.14	<0.2	3.62	3	<10	180	0.7	<2	1.18	<0.5	22	53	79	4.24	10
ZZ60188		0.23	<0.2	2.97	<2	<10	260	0.8	<2	1.01	<0.5	17	26	42	3.73	10
ZZ60189		0.24	<0.2	3.68	<2	<10	120	0.9	<2	1.07	<0.5	22	24	63	4.31	10
ZZ60190		0.24	<0.2	3.51	<2	<10	140	0.9	<2	1.01	<0.5	22	27	54	4.38	10
ZZ60191		0.18	<0.2	5.28	5	<10	140	1.0	<2	1.27	<0.5	33	40	80	5.29	10
ZZ60194		0.23	<0.2	4.84	5	<10	100	0.7	<2	1.34	<0.5	28	35	61	4.74	10
ZZ60195		0.17	<0.2	4.84	<2	<10	100	0.6	<2	1.51	<0.5	30	34	53	4.40	10
ZZ60196		0.20	<0.2	3.57	4	<10	150	0.7	<2	1.14	<0.5	28	36	58	4.53	10
ZZ60197		0.21	<0.2	3.98	<2	<10	150	0.8	<2	1.06	<0.5	22	31	54	4.43	10
ZZ60198		0.21	<0.2	3.06	4	<10	120	0.7	<2	1.03	<0.5	12	88	55	4.58	10
ZZ60199		0.23	<0.2	1.63	4	<10	40	<0.5	<2	0.71	<0.5	11	6	14	2.89	<10
ZZ60251		0.28	<0.2	1.59	2	<10	60	<0.5	<2	0.74	<0.5	16	37	43	3.30	10
ZZ60252		0.14	<0.2	1.30	4	<10	90	<0.5	<2	0.84	<0.5	15	36	37	3.00	<10
ZZ60254		0.14	<0.2	1.36	5	<10	70	<0.5	<2	0.92	<0.5	11	24	41	2.65	<10
ZZ60255		0.23	<0.2	1.47	<2	<10	60	<0.5	<2	0.82	<0.5	13	20	47	2.75	<10
ZZ60262		0.16	<0.2	1.97	3	<10	100	<0.5	<2	0.63	<0.5	13	61	34	3.10	10
ZZ60263		0.19	<0.2	1.30	<2	<10	90	<0.5	<2	0.67	<0.5	15	24	38	2.60	<10
ZZ60264		0.14	<0.2	1.58	4	<10	100	<0.5	<2	0.65	<0.5	16	32	34	2.88	<10
ZZ60265		0.17	<0.2	1.01	<2	<10	30	<0.5	<2	0.45	<0.5	11	19	20	1.68	<10



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CERTIFICATE OF ANALYSIS WH12174360

Sample Description	Method Analyte Units LOR	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20
ZZ60095		<1	0.06	10	1.00	950	1	0.04	43	580	7	0.05	<2	5	57	<20
ZZ60167		<1	0.05	10	1.00	810	1	0.05	35	1020	7	0.10	<2	3	72	<20
ZZ60168		<1	0.05	10	1.98	780	1	0.07	46	670	4	0.06	<2	7	225	<20
ZZ60169		<1	0.04	10	0.87	542	1	0.06	26	910	5	0.13	<2	4	110	<20
ZZ60170		<1	0.04	10	2.55	823	<1	0.06	61	810	6	0.04	<2	11	89	<20
ZZ60171		<1	0.05	10	1.45	676	1	0.05	40	910	32	0.07	<2	7	96	<20
ZZ60172		<1	0.08	10	1.59	986	1	0.06	42	1150	9	0.08	<2	8	65	<20
ZZ60173		<1	0.06	10	2.12	839	1	0.07	79	770	5	0.06	<2	7	122	<20
ZZ60174		<1	0.11	10	1.07	1160	<1	0.06	46	910	25	0.05	<2	8	56	<20
ZZ60175		1	0.06	10	1.10	678	1	0.05	45	640	6	0.09	<2	5	63	<20
ZZ60176		<1	0.12	10	0.75	874	<1	0.04	46	800	11	0.04	<2	9	98	<20
ZZ60177		<1	0.05	10	2.76	915	<1	0.06	77	900	6	0.05	<2	12	95	<20
ZZ60178		<1	0.05	10	1.01	651	1	0.04	42	820	7	0.07	<2	3	62	<20
ZZ60179		<1	0.05	10	2.17	1275	1	0.06	65	1170	6	0.05	<2	10	82	<20
ZZ60180		<1	0.04	10	3.82	1170	<1	0.05	90	990	8	0.04	<2	17	208	<20
ZZ60181		<1	0.04	10	2.57	710	<1	0.06	102	820	4	0.06	<2	7	151	<20
ZZ60182		<1	0.04	10	1.83	804	<1	0.07	73	770	7	0.07	<2	8	94	<20
ZZ60183		<1	0.06	20	1.97	903	<1	0.06	66	900	5	0.05	<2	8	89	<20
ZZ60184		1	0.09	20	1.30	1075	1	0.06	32	1020	10	0.06	<2	8	70	<20
ZZ60185		<1	0.07	10	1.38	897	1	0.06	48	820	7	0.06	<2	8	66	<20
ZZ60186		<1	0.07	10	1.37	755	<1	0.05	43	810	7	0.04	<2	6	79	<20
ZZ60187		<1	0.07	10	1.68	944	<1	0.07	55	1150	227	0.08	<2	9	131	<20
ZZ60188		<1	0.11	10	1.37	824	<1	0.06	40	890	4	0.03	<2	8	132	<20
ZZ60189		1	0.11	10	2.06	772	<1	0.07	55	970	3	0.03	<2	8	191	<20
ZZ60190		<1	0.09	10	1.83	920	<1	0.08	57	950	3	0.03	<2	9	130	<20
ZZ60191		1	0.09	10	2.74	853	<1	0.07	107	950	4	0.03	<2	14	98	<20
ZZ60194		<1	0.10	10	1.73	795	<1	0.11	57	1220	2	0.03	<2	6	278	<20
ZZ60195		<1	0.09	10	1.42	751	<1	0.11	94	940	4	0.04	<2	7	259	<20
ZZ60196		<1	0.08	10	1.73	1615	<1	0.09	63	940	3	0.05	<2	7	206	<20
ZZ60197		<1	0.09	10	1.91	656	<1	0.09	62	880	3	0.04	<2	9	162	<20
ZZ60198		<1	0.07	10	0.92	343	<1	0.05	69	980	3	0.02	<2	12	105	<20
ZZ60199		<1	0.05	50	0.75	320	<1	0.03	10	1180	4	0.01	<2	3	69	<20
ZZ60251		<1	0.06	10	1.44	576	<1	0.08	41	670	5	0.04	<2	7	63	<20
ZZ60252		<1	0.07	10	0.94	912	<1	0.05	38	660	4	0.06	<2	5	45	<20
ZZ60254		<1	0.06	10	0.85	287	<1	0.09	33	830	<2	0.06	<2	6	81	<20
ZZ60255		<1	0.08	10	1.06	444	<1	0.11	32	870	<2	0.02	<2	6	91	<20
ZZ60262		<1	0.04	10	1.36	292	<1	0.07	55	700	3	0.03	<2	6	67	<20
ZZ60263		<1	0.06	10	1.55	423	<1	0.08	74	850	2	0.02	<2	4	58	<20
ZZ60264		<1	0.06	10	1.12	464	<1	0.07	66	630	2	0.03	<2	5	50	<20
ZZ60265		<1	0.04	10	1.22	279	<1	0.05	143	660	<2	0.01	<2	2	36	<20



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CERTIFICATE OF ANALYSIS WH12174360

Sample Description	Method Analyte Units LOR	ME- ICP41 Ti %	ME- ICP41 Ti ppm	ME- ICP41 U ppm	ME- ICP41 V ppm	ME- ICP41 W ppm	ME- ICP41 Zn ppm	Au- AA24 Au ppm
		0.01	10	10	1	10	2	0.005
ZZ60095		0.09	<10	<10	92	<10	95	<0.005
ZZ60167		0.07	<10	<10	91	<10	77	<0.005
ZZ60168		0.16	<10	<10	100	<10	73	<0.005
ZZ60169		0.06	<10	<10	56	<10	55	<0.005
ZZ60170		0.10	<10	<10	108	<10	87	<0.005
ZZ60171		0.07	<10	<10	75	<10	75	<0.005
ZZ60172		0.10	<10	<10	82	<10	78	<0.005
ZZ60173		0.11	<10	<10	88	<10	81	<0.005
ZZ60174		0.06	<10	<10	70	<10	102	<0.005
ZZ60175		0.11	<10	<10	87	<10	87	<0.005
ZZ60176		0.02	<10	<10	61	<10	161	<0.005
ZZ60177		0.17	<10	<10	94	<10	81	<0.005
ZZ60178		0.04	<10	<10	80	<10	95	<0.005
ZZ60179		0.09	<10	<10	87	<10	85	<0.005
ZZ60180		0.04	<10	<10	106	<10	96	<0.005
ZZ60181		0.15	<10	<10	85	<10	74	<0.005
ZZ60182		0.12	<10	<10	92	<10	72	0.008
ZZ60183		0.13	<10	<10	87	<10	75	<0.005
ZZ60184		0.07	<10	<10	73	<10	92	<0.005
ZZ60185		0.08	<10	<10	81	<10	76	<0.005
ZZ60186		0.08	<10	<10	75	<10	65	<0.005
ZZ60187		0.12	<10	<10	83	<10	96	<0.005
ZZ60188		0.19	<10	<10	76	<10	59	<0.005
ZZ60189		0.26	<10	<10	90	<10	67	<0.005
ZZ60190		0.26	<10	<10	97	<10	67	<0.005
ZZ60191		0.44	<10	<10	116	<10	59	<0.005
ZZ60194		0.30	<10	<10	107	<10	77	<0.005
ZZ60195		0.20	<10	<10	77	<10	61	<0.005
ZZ60196		0.21	<10	<10	90	<10	74	<0.005
ZZ60197		0.23	<10	<10	102	<10	68	<0.005
ZZ60198		0.10	<10	<10	113	<10	50	<0.005
ZZ60199		0.03	<10	<10	41	<10	63	<0.005
ZZ60251		0.08	<10	<10	80	<10	51	<0.005
ZZ60252		0.07	<10	<10	60	<10	57	<0.005
ZZ60254		0.08	<10	<10	69	<10	55	<0.005
ZZ60255		0.11	<10	<10	72	<10	45	0.005
ZZ60262		0.16	<10	<10	79	<10	51	<0.005
ZZ60263		0.14	<10	<10	64	<10	45	0.011
ZZ60264		0.15	<10	<10	64	<10	42	<0.005
ZZ60265		0.12	<10	<10	46	<10	25	<0.005



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	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 %	ME- ICP41 Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ZZ60266		0.22	<0.2	1.42	2	<10	110	<0.5	<2	0.56	<0.5	11	26	38	2.53	<10
ZZ60278		0.09	<0.2	1.55	4	<10	110	<0.5	<2	0.72	<0.5	10	40	35	2.81	<10
ZZ60290		0.16	<0.2	1.53	3	<10	70	<0.5	<2	0.90	<0.5	18	32	47	3.04	<10
ZZ60381		0.20	<0.2	1.27	4	<10	80	<0.5	<2	0.38	<0.5	8	20	25	2.12	<10
ZZ60382		0.15	<0.2	1.26	3	<10	100	<0.5	<2	0.45	<0.5	9	22	28	2.17	<10
ZZ60383		0.17	<0.2	1.09	<2	<10	70	<0.5	<2	0.61	<0.5	19	39	39	3.08	<10
ZZ60384		0.17	<0.2	0.98	<2	<10	30	<0.5	<2	0.58	<0.5	16	37	32	3.07	<10
ZZ60385		0.22	<0.2	1.48	3	<10	60	<0.5	<2	0.49	<0.5	14	38	31	2.71	<10
ZZ60386		0.23	<0.2	1.70	2	<10	120	<0.5	<2	0.42	<0.5	8	24	22	2.29	<10
ZZ60387		0.20	<0.2	2.13	4	<10	140	<0.5	<2	0.55	<0.5	12	30	30	3.02	10
ZZ60388		0.12	<0.2	1.68	4	<10	120	<0.5	<2	0.47	<0.5	10	20	25	2.12	<10
ZZ60389		0.17	<0.2	1.40	3	<10	120	<0.5	<2	0.34	<0.5	8	23	21	2.28	<10
ZZ60390		0.17	<0.2	2.23	4	<10	190	<0.5	3	0.55	<0.5	11	31	28	3.15	10
ZZ60391		0.25	<0.2	1.40	3	<10	70	<0.5	<2	0.60	<0.5	21	74	31	3.32	<10
ZZ60392		0.26	<0.2	1.01	3	<10	50	<0.5	<2	0.32	<0.5	9	32	24	1.74	<10
ZZ60393		0.18	<0.2	1.83	4	<10	70	<0.5	<2	0.65	<0.5	19	101	40	3.53	10
ZZ60394		0.21	<0.2	1.09	2	<10	80	<0.5	<2	0.52	<0.5	15	39	39	2.37	<10
ZZ60395		0.11	<0.2	2.14	6	<10	110	<0.5	<2	0.47	<0.5	16	49	38	3.63	10
ZZ60396		0.10	<0.2	1.59	6	<10	120	<0.5	<2	0.73	<0.5	14	29	37	2.73	<10
ZZ60397		0.10	<0.2	1.67	6	<10	110	<0.5	<2	0.80	<0.5	16	39	34	3.46	10
ZZ60398		0.18	<0.2	1.62	<2	<10	100	<0.5	<2	0.47	<0.5	16	39	38	3.12	<10
ZZ60399		0.16	<0.2	1.64	4	<10	90	<0.5	<2	0.56	<0.5	13	35	37	3.02	10
ZZ60400		0.19	<0.2	1.72	3	<10	70	<0.5	<2	0.48	<0.5	14	47	34	3.21	10
ZZ60401		0.15	<0.2	1.55	4	<10	110	<0.5	<2	0.56	<0.5	10	28	32	2.48	10
ZZ60402		0.19	<0.2	1.10	2	<10	80	<0.5	<2	0.43	<0.5	11	30	31	2.66	<10
ZZ60459		0.19	<0.2	1.66	<2	<10	120	<0.5	<2	0.93	<0.5	21	29	42	3.60	10
ZZ60460		0.33	<0.2	2.21	4	<10	70	<0.5	<2	1.29	<0.5	29	58	74	4.09	10
ZZ60461		0.09	<0.2	2.05	<2	<10	100	0.5	2	0.95	<0.5	17	32	38	3.39	10
ZZ60462		0.25	<0.2	2.02	5	<10	150	<0.5	<2	0.55	<0.5	14	31	36	2.72	<10
ZZ60463		0.21	<0.2	1.94	3	<10	150	<0.5	<2	0.72	<0.5	19	31	41	3.20	<10
ZZ60464		0.29	<0.2	1.72	4	<10	140	<0.5	<2	0.60	<0.5	16	46	34	2.86	<10
ZZ60465		0.10	<0.2	1.64	5	<10	120	<0.5	<2	0.72	<0.5	14	34	30	2.73	<10
ZZ60466		0.15	<0.2	1.66	4	<10	130	<0.5	<2	0.69	<0.5	18	34	34	3.03	<10
ZZ60467		0.11	<0.2	2.09	<2	<10	140	<0.5	<2	0.76	<0.5	19	38	42	3.15	<10
ZZ60468		0.28	<0.2	1.29	2	<10	80	<0.5	<2	0.66	<0.5	16	33	33	2.58	<10
ZZ60469		0.16	<0.2	1.20	2	<10	70	<0.5	<2	0.68	<0.5	15	30	33	2.57	<10
ZZ60471		0.10	<0.2	1.14	3	<10	70	<0.5	2	0.64	<0.5	15	29	32	2.44	<10
ZZ60472		0.29	<0.2	1.26	2	<10	70	<0.5	<2	0.56	<0.5	16	40	32	2.61	<10
ZZ60488		0.16	<0.2	0.58	2	<10	70	0.6	<2	0.22	<0.5	6	8	12	1.07	<10
ZZ60489		0.26	<0.2	0.89	4	<10	80	0.6	<2	0.39	<0.5	8	14	25	1.84	<10



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Sample Description	Method Analyte Units LOR	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20
ZZ60266		<1	0.06	10	0.93	419	<1	0.06	39	690	3	0.04	<2	4	78	<20
ZZ60278		<1	0.04	10	0.74	335	<1	0.05	31	730	2	0.07	<2	3	59	<20
ZZ60290		<1	0.08	10	1.11	607	<1	0.12	60	810	2	0.02	<2	8	87	<20
ZZ60381		<1	0.07	10	0.47	230	<1	0.05	23	550	2	0.04	<2	2	42	<20
ZZ60382		<1	0.07	<10	0.55	368	<1	0.05	24	700	3	0.05	<2	2	44	<20
ZZ60383		<1	0.05	10	1.77	1180	<1	0.06	54	650	3	0.02	<2	7	50	<20
ZZ60384		<1	0.04	10	1.96	1125	<1	0.05	50	650	2	0.02	<2	6	49	<20
ZZ60385		<1	0.03	<10	1.46	637	<1	0.04	41	640	4	0.02	<2	5	49	<20
ZZ60386		<1	0.06	10	0.52	245	<1	0.04	23	560	4	0.02	<2	3	48	<20
ZZ60387		<1	0.05	10	0.64	473	1	0.04	27	930	5	0.07	<2	4	58	<20
ZZ60388		1	0.06	10	0.45	410	<1	0.04	20	650	3	0.06	<2	3	47	<20
ZZ60389		<1	0.05	10	0.49	358	<1	0.04	21	440	3	0.02	<2	3	47	<20
ZZ60390		<1	0.06	10	0.70	486	<1	0.04	32	900	4	0.06	<2	3	57	<20
ZZ60391		<1	0.04	10	2.44	913	<1	0.05	86	620	2	0.02	<2	6	50	<20
ZZ60392		<1	0.03	<10	0.67	466	<1	0.03	32	510	2	0.02	<2	3	28	<20
ZZ60393		<1	0.04	10	2.07	814	<1	0.07	91	730	2	0.04	<2	6	62	<20
ZZ60394		<1	0.06	10	1.15	791	<1	0.07	49	580	3	0.02	<2	5	49	<20
ZZ60395		<1	0.05	10	0.85	687	1	0.05	46	800	4	0.07	<2	3	49	<20
ZZ60396		1	0.05	10	0.62	661	1	0.06	29	890	3	0.11	<2	3	66	<20
ZZ60397		<1	0.07	10	0.90	973	2	0.05	36	1160	4	0.10	<2	4	58	<20
ZZ60398		<1	0.03	10	1.37	858	<1	0.05	51	440	2	0.04	<2	6	50	<20
ZZ60399		<1	0.04	10	0.91	553	<1	0.05	37	680	3	0.09	<2	4	58	<20
ZZ60400		<1	0.04	10	1.20	441	<1	0.04	46	750	3	0.06	<2	5	43	<20
ZZ60401		<1	0.04	10	0.70	448	<1	0.04	29	660	2	0.06	<2	4	51	<20
ZZ60402		<1	0.03	10	0.64	498	<1	0.05	35	550	<2	0.03	<2	6	43	<20
ZZ60459		<1	0.13	10	2.52	679	<1	0.10	70	960	3	0.01	<2	9	82	<20
ZZ60460		<1	0.06	10	3.30	739	<1	0.18	157	960	<2	0.02	<2	9	138	<20
ZZ60461		<1	0.05	10	1.15	574	<1	0.07	39	880	3	0.08	<2	6	67	<20
ZZ60462		<1	0.05	10	0.77	531	<1	0.04	37	570	4	0.03	<2	4	68	<20
ZZ60463		<1	0.06	10	0.93	652	<1	0.07	44	780	4	0.02	<2	8	86	<20
ZZ60464		<1	0.05	10	0.85	358	<1	0.06	46	540	3	0.02	<2	7	56	<20
ZZ60465		<1	0.06	10	0.75	525	<1	0.05	35	650	4	0.06	<2	4	70	<20
ZZ60466		<1	0.07	10	1.19	664	<1	0.07	58	840	3	0.02	<2	6	95	<20
ZZ60467		<1	0.06	10	1.50	606	<1	0.07	63	800	<2	0.01	<2	8	101	<20
ZZ60468		<1	0.06	10	0.98	452	<1	0.08	56	770	<2	0.01	<2	6	80	<20
ZZ60469		<1	0.06	10	1.16	479	<1	0.08	53	740	<2	0.01	<2	5	71	<20
ZZ60471		<1	0.06	10	0.89	456	<1	0.08	49	820	2	0.01	<2	5	69	<20
ZZ60472		<1	0.09	10	1.78	315	<1	0.09	45	620	2	0.01	<2	6	49	<20
ZZ60488		<1	0.10	<10	0.29	838	<1	0.03	10	190	2	0.01	<2	3	32	<20
ZZ60489		<1	0.10	<10	0.46	817	1	0.04	19	320	2	0.02	<2	4	38	<20



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CERTIFICATE OF ANALYSIS WH12174360

Sample Description	Method Analyte Units LOR	ME- ICP41 Ti %	ME- ICP41 Ti ppm	ME- ICP41 U ppm	ME- ICP41 V ppm	ME- ICP41 W ppm	ME- ICP41 Zn ppm	Au- AA24 Au ppm
		0.01	10	10	1	10	2	0.005
ZZ60266		0.11	<10	<10	62	<10	45	<0.005
ZZ60278		0.06	<10	<10	64	<10	38	<0.005
ZZ60290		0.10	<10	<10	75	<10	46	<0.005
ZZ60381		0.08	<10	<10	51	<10	33	<0.005
ZZ60382		0.07	<10	<10	51	<10	42	<0.005
ZZ60383		0.07	<10	<10	59	<10	50	<0.005
ZZ60384		0.05	<10	<10	52	<10	49	<0.005
ZZ60385		0.06	<10	<10	51	<10	43	<0.005
ZZ60386		0.13	<10	<10	62	<10	37	<0.005
ZZ60387		0.10	<10	<10	77	<10	49	<0.005
ZZ60388		0.09	<10	<10	53	<10	35	<0.005
ZZ60389		0.10	<10	<10	59	<10	37	<0.005
ZZ60390		0.10	<10	<10	75	<10	52	<0.005
ZZ60391		0.06	<10	<10	47	<10	53	<0.005
ZZ60392		0.06	<10	<10	41	<10	28	<0.005
ZZ60393		0.08	<10	<10	64	<10	63	<0.005
ZZ60394		0.09	<10	<10	63	<10	48	<0.005
ZZ60395		0.09	<10	<10	85	<10	59	<0.005
ZZ60396		0.07	<10	<10	65	<10	41	<0.005
ZZ60397		0.08	<10	<10	74	<10	56	<0.005
ZZ60398		0.05	<10	<10	60	<10	56	<0.005
ZZ60399		0.06	<10	<10	63	<10	60	<0.005
ZZ60400		0.06	<10	<10	68	<10	55	<0.005
ZZ60401		0.07	<10	<10	57	<10	52	<0.005
ZZ60402		0.08	<10	<10	59	<10	46	<0.005
ZZ60459		0.16	<10	<10	89	<10	54	<0.005
ZZ60460		0.11	<10	<10	97	<10	73	<0.005
ZZ60461		0.10	<10	<10	80	<10	59	<0.005
ZZ60462		0.07	<10	<10	62	<10	55	<0.005
ZZ60463		0.11	<10	<10	77	<10	67	<0.005
ZZ60464		0.08	<10	<10	67	<10	62	<0.005
ZZ60465		0.08	<10	<10	62	<10	58	<0.005
ZZ60466		0.13	<10	<10	65	<10	49	<0.005
ZZ60467		0.14	<10	<10	69	<10	51	<0.005
ZZ60468		0.12	<10	<10	64	<10	43	<0.005
ZZ60469		0.10	<10	<10	66	<10	44	<0.005
ZZ60471		0.11	<10	<10	64	<10	43	<0.005
ZZ60472		0.08	<10	<10	64	<10	42	<0.005
ZZ60488		0.03	<10	<10	17	<10	49	<0.005
ZZ60489		0.06	<10	<10	32	<10	67	0.005



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CERTIFICATE OF ANALYSIS WH12174360

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01	ME- ICP41 Ga ppm 10
ZZ60500		0.21	<0.2	1.61	13	<10	140	<0.5	<2	0.76	<0.5	16	42	37	3.26	<10



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CERTIFICATE OF ANALYSIS WH12174360

Sample Description	Method Analyte Units LOR	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20
ZZ60500		<1	0.12	10	1.03	853	<1	0.08	55	840	6	0.05	<2	5	80	<20



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CERTIFICATE OF ANALYSIS WH12174360

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Au- AA24
		Ti	Ti	U	V	W	Zn	Au
		%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2	0.005
ZZ60500		0.03	<10	<10	57	<10	73	0.005



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P.O. No.: Batch 2

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - 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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CERTIFICATE OF ANALYSIS WH12176020

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677037		3.93	0.107	0.74	7.91	7.4	540	0.79	0.76	0.75	3.19	17.90	19.7	87	1.60	77.8
M677038		3.48	0.062	0.62	8.10	25.6	320	0.87	0.49	0.92	0.30	23.8	15.4	125	1.14	69.0
M677039		4.13	0.082	0.83	7.60	8.3	450	0.72	1.12	0.96	1.69	22.3	23.1	77	1.17	88.8
M677040		2.94	0.104	1.39	7.52	10.1	350	0.68	1.14	0.86	0.42	19.25	24.6	106	1.04	349
M677041		5.83	0.285	1.01	7.48	9.3	380	0.70	1.40	0.92	0.34	28.2	12.3	64	1.38	288
M677042		5.04	0.082	1.47	7.54	5.8	110	0.68	1.61	0.58	0.63	10.95	17.2	62	1.66	12.6
M677043		4.75	<0.005	0.01	0.11	5	20	0.07	0.03	18.80	0.06	1.27	1.3	2	0.19	1.8
M677044		4.34	0.153	1.08	7.92	4.6	310	0.76	0.43	0.83	0.07	17.30	10.1	56	1.12	151.5
M677045		4.26	0.062	0.66	7.89	6.4	260	0.73	0.42	1.17	0.04	14.45	6.8	57	0.89	246
M677046		2.88	0.058	0.40	7.38	3.9	440	0.82	0.88	0.69	0.07	15.40	19.2	87	1.38	157.0
M677047		3.19	0.153	0.45	7.59	6.2	400	0.76	0.69	0.49	0.42	19.55	18.4	73	1.44	93.2
M677048		5.76	0.038	0.38	7.39	6.4	190	0.79	1.61	0.56	0.45	14.25	17.6	92	2.20	11.0
M677049		0.10	1.170	22.3	4.46	9300	540	1.37	233	13.05	2.64	213	70.0	52	5.09	>10000
M677050		4.41	0.075	0.64	7.64	9.1	260	0.75	1.05	0.72	0.11	12.90	23.8	100	1.84	69.4
M677051		4.51	0.247	1.34	7.97	5.7	440	0.84	2.77	0.88	0.29	21.1	18.1	83	1.38	207
M677052		7.11	0.087	0.48	7.91	6.9	470	0.86	0.82	0.91	0.36	20.4	17.4	91	1.62	142.5
M677053		4.69	0.198	0.32	7.85	4.2	360	0.93	0.71	0.88	0.64	23.8	19.7	102	1.10	195.5
M677054		5.81	0.297	0.39	7.81	5.0	390	0.89	0.76	1.05	0.26	26.1	19.5	78	1.18	168.5
M677055		3.07	0.197	0.62	7.77	7.4	370	0.79	0.97	0.56	0.49	20.7	18.2	75	1.61	28.1
M677056		0.10	0.785	7.09	5.27	8210	1090	1.32	201	12.55	1.09	407	74.9	50	9.00	3080
M677057		4.37	0.032	0.27	7.99	6.2	280	0.88	0.87	0.77	0.09	20.2	15.8	76	1.79	22.1
M677058		7.89	0.030	0.19	7.34	29.4	700	1.04	1.06	2.22	0.13	23.1	11.8	35	1.52	36.2
M677059		8.17	0.090	0.22	7.44	28.2	870	1.11	1.15	2.23	0.05	24.6	11.3	38	1.47	83.2
M677060		6.20	0.036	0.32	7.26	40.8	990	1.17	1.72	2.52	0.16	22.7	9.7	30	1.41	17.6
M677061		3.78	0.106	0.20	7.02	26.4	940	1.24	1.19	2.46	0.04	24.6	8.7	20	1.58	21.3
M677062		1.97	0.128	0.21	6.97	23.6	840	1.21	1.01	2.39	0.07	24.4	8.6	25	1.52	37.9
M677063		7.77	0.039	0.31	6.72	33.1	740	1.19	0.64	2.68	1.33	23.7	9.2	23	1.64	27.8
M677064		8.31	0.057	0.15	6.90	28.4	820	1.12	0.20	2.67	0.06	22.0	10.1	29	1.40	28.3
M677065		7.55	0.037	0.13	7.49	10.5	670	1.23	0.29	2.62	0.18	27.1	11.8	37	1.61	60.6
M677066		6.77	0.062	0.66	7.77	9.7	640	0.92	0.69	0.87	0.27	18.85	13.4	78	1.40	82.9
M677067		5.41	<0.005	0.01	0.10	<5	20	0.07	0.02	18.75	0.06	2.00	1.4	1	0.20	2.5
M677068		6.41	0.038	0.55	7.57	10.2	520	0.85	0.70	1.14	0.58	20.2	9.0	84	1.21	178.0
M677069		5.66	0.043	0.44	7.61	11.5	410	0.89	0.55	0.81	0.08	14.30	11.5	85	1.51	201
M677070		5.69	0.031	0.34	7.65	8.7	380	0.87	0.61	0.93	0.03	16.50	14.7	76	1.22	151.0
M677071		<0.02	0.034	0.34	7.62	8.4	380	0.90	0.57	0.93	0.04	16.35	13.9	76	1.21	149.5
M677072		5.41	0.053	0.33	7.53	9.2	390	0.89	0.70	1.66	0.42	18.65	16.1	90	1.31	139.0



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CERTIFICATE OF ANALYSIS WH12176020

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677037		4.42	17.45	0.16	0.3	0.134	2.31	7.8	11.9	2.35	933	1.69	0.99	5.8	77.1	900
M677038		4.11	17.85	0.17	0.2	0.051	1.01	10.3	14.3	3.06	632	2.19	1.89	6.0	103.0	1050
M677039		4.64	17.30	0.18	0.2	0.128	1.59	9.4	14.1	2.38	685	2.49	1.90	5.2	66.0	1040
M677040		5.55	16.10	0.17	0.3	0.138	1.27	8.3	10.9	2.57	843	2.73	2.09	5.5	92.6	860
M677041		5.60	17.30	0.19	0.4	0.320	1.76	13.8	8.5	2.04	946	1.31	1.54	6.8	58.4	740
M677042		8.54	15.95	0.20	0.2	0.295	2.82	4.6	5.3	1.34	472	1.45	0.49	4.2	59.8	670
M677043		0.45	0.38	0.22	<0.1	0.006	0.03	0.6	1.1	12.40	194	0.16	0.01	0.3	0.8	170
M677044		2.93	16.05	0.14	0.2	0.080	1.23	8.1	10.1	2.08	840	3.40	2.78	3.5	57.0	620
M677045		2.80	15.75	0.13	0.1	0.102	0.96	6.6	10.9	1.97	819	1.21	3.10	3.3	53.4	600
M677046		4.43	16.70	0.18	0.3	0.166	1.95	6.6	13.3	2.30	552	1.47	1.32	5.1	86.6	770
M677047		3.79	15.65	0.17	0.2	0.146	1.76	9.5	11.2	1.95	497	2.02	1.74	4.5	69.2	730
M677048		6.22	15.00	0.20	0.2	0.175	2.50	6.3	9.5	1.47	448	1.68	0.36	4.1	84.4	710
M677049		10.20	13.00	0.39	1.6	4.46	1.03	127.0	37.5	1.24	1620	14.75	1.11	8.1	74.0	730
M677050		6.13	16.50	0.18	0.3	0.155	2.18	5.6	10.8	1.97	541	0.92	0.78	4.2	92.4	740
M677051		4.22	17.20	0.18	0.2	0.118	1.67	9.3	14.7	2.38	625	2.42	1.79	5.7	81.8	940
M677052		4.30	17.40	0.19	0.2	0.069	1.75	8.7	12.7	2.36	469	1.62	1.56	5.8	84.0	960
M677053		3.72	17.20	0.18	0.2	0.094	1.21	10.6	16.1	2.67	451	1.39	2.28	5.0	96.5	920
M677054		4.12	17.35	0.18	0.2	0.086	1.10	12.2	14.7	2.53	551	1.17	2.23	5.5	82.3	820
M677055		4.33	16.00	0.16	0.2	0.060	2.14	9.3	12.0	2.03	283	1.58	0.76	4.3	73.7	790
M677056		8.42	17.95	0.51	1.8	1.660	1.83	231	32.5	1.38	2210	14.45	0.80	9.4	40.4	870
M677057		5.11	13.95	0.15	0.2	0.038	2.24	9.3	10.2	1.51	373	1.71	0.61	3.6	77.0	770
M677058		2.88	16.25	0.15	0.9	0.084	1.91	10.8	17.7	1.07	1190	1.77	1.63	6.5	31.6	630
M677059		2.71	16.85	0.15	1.0	0.063	1.72	11.5	13.7	1.02	941	2.56	1.96	7.1	32.1	660
M677060		2.46	17.00	0.16	1.2	0.042	1.93	10.6	16.5	1.02	944	2.11	1.84	7.8	27.4	650
M677061		2.38	16.50	0.15	1.4	0.062	2.04	11.5	13.4	0.85	934	2.08	1.63	8.2	19.0	600
M677062		2.34	15.95	0.15	1.3	0.069	1.85	11.3	13.1	0.86	862	2.05	1.68	7.9	22.8	610
M677063		2.42	15.75	0.14	1.2	0.131	2.29	11.0	13.5	0.89	1440	2.06	1.07	7.4	22.2	580
M677064		2.50	15.95	0.16	1.1	0.079	1.67	10.1	16.0	1.05	1100	1.77	1.96	6.8	26.6	610
M677065		2.70	17.20	0.17	0.9	0.065	1.32	12.6	13.2	1.17	986	2.34	2.21	7.6	35.8	680
M677066		3.37	16.95	0.14	0.2	0.050	2.18	8.5	12.0	1.93	520	1.51	1.08	4.3	68.1	740
M677067		0.44	0.41	0.23	<0.1	0.005	0.03	1.0	1.2	12.40	193	0.26	0.01	0.4	1.1	160
M677068		2.88	15.15	0.13	0.2	0.053	1.52	9.2	15.4	1.93	471	1.17	1.77	4.8	62.7	750
M677069		2.98	15.30	0.13	0.2	0.055	1.38	6.3	12.6	1.99	415	3.01	1.98	3.8	65.4	650
M677070		3.36	16.10	0.15	0.2	0.061	1.59	7.4	12.2	2.05	434	1.89	1.83	4.4	66.0	780
M677071		3.22	15.80	0.14	0.2	0.061	1.58	7.3	11.8	2.04	425	1.87	1.81	4.3	63.2	760
M677072		3.67	15.70	0.17	0.2	0.151	1.29	8.3	10.2	1.88	665	1.77	1.92	4.3	71.8	700



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Project: Mint

CERTIFICATE OF ANALYSIS WH12176020

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.1
M677037		10.9	59.4	0.002	3.43	1.10	13.7	5	1.2	101.5	0.37	0.44	1.2	0.370	0.4
M677038		7.2	21.0	0.003	1.22	1.29	15.8	2	0.8	253	0.38	0.88	1.2	0.441	0.4
M677039		47.8	35.1	0.003	3.75	0.92	13.9	7	1.0	192.0	0.34	0.44	1.2	0.360	0.4
M677040		15.1	27.7	0.002	4.23	1.13	12.5	4	1.0	212	0.36	0.98	1.1	0.354	0.4
M677041		5.6	47.7	<0.002	4.04	0.90	11.8	2	1.1	162.5	0.50	1.08	1.5	0.345	0.4
M677042		8.2	75.6	0.002	8.75	1.13	8.9	6	1.9	55.5	0.29	1.44	0.9	0.265	0.3
M677043		1.3	1.7	<0.002	0.03	0.06	0.4	1	<0.2	48.0	<0.05	<0.05	<0.2	0.005	0.6
M677044		4.3	38.3	0.004	1.36	0.73	8.4	1	0.5	232	0.24	0.81	0.7	0.225	0.2
M677045		5.0	31.0	0.007	1.22	0.78	8.8	1	0.5	264	0.23	0.54	0.8	0.210	0.2
M677046		6.1	52.1	0.003	3.69	1.27	12.0	6	1.1	124.5	0.34	0.66	1.1	0.339	0.4
M677047		6.8	53.4	0.003	3.07	1.58	9.8	4	1.1	154.5	0.30	0.66	1.0	0.276	0.3
M677048		16.1	70.2	0.003	6.11	2.51	10.4	7	1.7	52.0	0.27	1.58	0.9	0.251	0.3
M677049		33.8	61.7	0.009	2.45	29.7	6.6	12	78.7	229	0.56	1.47	8.3	0.192	9.4
M677050		9.2	59.2	0.004	5.57	1.47	11.1	6	1.6	85.7	0.27	0.98	1.0	0.281	0.4
M677051		11.4	45.4	0.005	3.35	1.21	13.1	5	1.2	168.0	0.37	2.03	1.2	0.382	0.4
M677052		4.4	44.4	0.006	3.45	1.49	13.2	6	1.8	173.0	0.38	0.59	1.1	0.378	0.4
M677053		8.5	29.2	0.003	2.79	1.09	13.4	4	1.4	246	0.34	0.33	1.1	0.337	0.4
M677054		6.2	27.5	0.005	2.69	0.90	12.4	3	1.2	268	0.39	0.43	1.4	0.339	0.4
M677055		23.9	53.3	0.004	3.79	1.51	11.0	4	2.0	82.2	0.29	0.55	1.1	0.290	0.4
M677056		36.8	118.5	0.004	1.27	28.9	7.9	7	86.8	234	0.66	0.87	10.1	0.231	12.9
M677057		14.7	54.6	0.002	4.41	1.37	10.6	4	2.2	77.9	0.24	0.62	1.1	0.232	0.4
M677058		10.0	53.6	0.005	1.43	2.50	7.9	1	0.8	201	0.52	0.33	1.9	0.254	0.8
M677059		9.4	43.8	0.003	1.27	3.00	8.0	1	0.7	293	0.57	0.36	2.1	0.259	0.9
M677060		12.4	49.7	0.002	1.27	3.49	7.5	1	0.6	261	0.63	0.75	2.2	0.261	1.0
M677061		9.0	49.9	<0.002	1.32	2.03	6.4	1	0.6	255	0.70	0.48	2.7	0.236	1.2
M677062		10.1	45.5	<0.002	1.14	2.07	6.6	1	0.6	275	0.65	0.38	2.6	0.239	1.1
M677063		31.5	58.4	<0.002	1.49	2.19	6.7	1	0.5	173.0	0.62	0.35	2.4	0.235	1.1
M677064		9.4	41.9	<0.002	1.28	2.93	7.3	1	0.5	263	0.55	0.30	1.8	0.239	0.8
M677065		23.1	35.3	<0.002	0.89	3.14	8.5	1	0.7	391	0.61	0.19	2.3	0.269	0.9
M677066		12.6	60.1	0.003	2.61	3.84	10.9	3	1.9	123.5	0.28	0.89	0.9	0.277	0.4
M677067		1.3	1.6	<0.002	0.01	<0.05	0.4	1	<0.2	46.2	<0.05	<0.05	<0.2	<0.005	0.5
M677068		44.1	44.3	0.005	2.02	4.33	9.4	2	1.2	201	0.34	0.58	1.0	0.268	0.5
M677069		8.4	41.3	0.007	2.01	1.39	9.8	2	1.2	212	0.26	0.53	0.9	0.235	0.4
M677070		5.4	44.8	0.005	2.60	1.16	11.0	2	2.3	196.5	0.30	0.59	1.0	0.277	0.6
M677071		5.2	44.8	0.006	2.51	1.10	10.8	2	2.3	195.5	0.29	0.55	1.0	0.275	0.6
M677072		8.4	35.9	0.003	2.26	1.38	10.8	2	1.0	261	0.29	0.50	0.9	0.264	0.3



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CERTIFICATE OF ANALYSIS WH12176020

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Cu- OG62
		V	W	Y	Zn	Zr	Cu
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	% 0.001
M677037		98	4.9	8.8	551	7.0	
M677038		116	1.6	9.6	147	6.0	
M677039		101	4.2	9.1	279	6.1	
M677040		90	4.2	7.8	150	9.0	
M677041		89	2.4	7.3	157	11.0	
M677042		77	4.0	6.8	124	7.1	
M677043		2	0.1	0.9	16	0.5	
M677044		65	1.8	6.3	96	3.6	
M677045		59	1.4	6.8	88	3.3	
M677046		90	3.6	7.4	74	8.8	
M677047		71	3.3	6.4	104	4.9	
M677048		72	5.0	6.5	85	6.4	
M677049		45	263	26.0	308	54.7	1.270
M677050		80	5.2	6.6	74	10.0	
M677051		96	5.8	9.1	100	5.8	
M677052		100	4.8	9.4	98	5.5	
M677053		96	4.4	9.5	129	5.0	
M677054		94	4.0	9.2	120	6.9	
M677055		83	5.8	6.9	86	5.6	
M677056		52	29.6	30.2	158	60.3	
M677057		76	3.7	8.9	74	5.3	
M677058		60	1.3	8.3	124	31.5	
M677059		59	1.8	8.0	104	30.5	
M677060		56	1.1	7.8	108	38.9	
M677061		49	1.1	8.1	99	46.4	
M677062		51	1.0	8.0	93	43.4	
M677063		52	0.9	7.7	228	39.7	
M677064		55	0.6	7.5	100	34.3	
M677065		60	1.3	8.6	125	28.1	
M677066		79	3.8	7.5	71	4.3	
M677067		2	0.1	1.0	16	0.5	
M677068		69	4.2	7.1	96	6.5	
M677069		69	3.8	6.2	57	4.2	
M677070		78	7.5	7.8	58	4.4	
M677071		78	7.4	7.8	57	4.6	
M677072		75	2.3	6.7	112	4.8	



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CERTIFICATE OF ANALYSIS WH12176020

Method	CERTIFICATE COMMENTS
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.



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CERTIFICATE WH12177097

Project: Mint

P.O. No.: Batch 3

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT,
Canada on 29- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

To: **SILVER RANGE RESOURCES LTD.**

ATTN: JOAN MARIACHER

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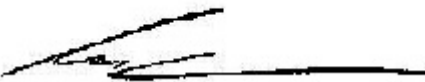
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH12177097

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677073		3.50	0.117	0.91	7.76	10.3	590	0.75	1.31	1.39	0.49	18.95	13.8	88	1.57	38.8
M677074		6.18	0.040	0.38	8.13	10.8	320	0.85	0.52	2.91	0.39	21.9	12.8	109	1.40	168.5
M677075		7.24	0.016	0.17	8.18	9.7	260	0.77	0.37	3.61	0.04	25.8	13.9	118	0.92	92.7
M677076		6.94	0.042	0.31	8.12	12.9	300	0.85	0.37	4.01	0.06	21.6	18.1	124	1.06	155.5
M677077		6.85	0.023	0.19	8.07	11.6	300	0.86	0.39	3.83	0.04	22.7	16.5	119	0.64	95.2
M677078		0.06	0.816	7.01	5.27	8590	1170	1.69	199.0	12.65	1.20	445	77.8	53	9.78	3530
M677079		6.06	0.223	0.89	7.71	26.5	330	0.73	0.73	2.42	0.09	22.7	17.8	119	1.85	91.1
M677080		6.50	0.078	0.32	7.82	11.8	260	0.70	0.52	2.19	0.09	21.6	17.0	119	1.28	81.2
M677081		5.42	0.102	0.83	7.60	16.0	290	0.75	1.49	1.11	0.10	22.7	23.0	109	1.55	169.5
M677082		7.74	0.093	0.51	7.98	14.4	240	0.82	0.84	1.65	0.05	22.2	24.6	114	1.23	129.0
M677083		2.09	0.204	1.97	7.77	18.6	350	0.75	1.33	1.32	0.97	26.8	16.8	114	2.19	124.5
M677084		8.44	<0.005	0.02	0.12	<5	20	0.07	0.05	21.3	0.07	1.29	0.7	1	0.19	2.3
M677085		7.80	0.069	0.43	7.50	12.8	210	0.83	0.74	2.12	0.05	22.1	18.7	119	1.26	121.5
M677086		3.39	0.077	0.83	8.13	10.4	420	0.74	1.11	1.23	0.27	16.95	7.5	83	1.92	64.8
M677087		3.02	0.039	0.37	7.55	11.1	450	0.87	0.65	1.60	0.04	12.70	8.7	42	2.15	95.3
M677088		4.92	0.021	0.21	7.75	5.8	340	0.78	0.37	2.12	0.11	13.35	5.5	36	1.02	134.0
M677089		<0.02	0.022	0.17	7.79	6.2	350	0.74	0.34	2.08	0.14	13.25	5.9	40	1.03	128.0
M677090		4.83	0.031	0.24	7.87	4.9	320	0.80	0.65	2.12	0.14	15.15	5.6	47	0.96	111.0
M677091		5.64	0.032	0.23	8.20	6.3	440	0.88	0.32	3.36	0.05	24.2	31.9	170	2.01	195.5
M677092		1.98	0.066	0.72	7.08	5.8	340	0.63	0.29	2.79	23.7	12.75	19.7	85	1.08	536
M677093		5.46	0.035	0.28	8.01	4.9	310	0.81	0.28	2.51	0.11	20.7	27.6	174	1.30	204
M677094		2.54	0.034	0.29	8.16	5.5	300	0.83	0.27	2.74	0.11	20.0	25.9	179	1.37	196.5
M677095		6.24	0.091	0.52	7.97	4.7	250	0.74	0.20	2.42	0.04	21.0	31.8	168	1.30	554
M677096		2.86	0.127	0.77	8.34	3.8	320	0.86	0.27	2.44	0.07	21.3	25.4	141	0.68	1060
M677097		4.75	0.030	0.21	8.00	5.0	420	0.93	0.25	2.80	0.04	19.20	24.0	126	1.54	213
M677098		0.08	0.776	7.80	5.35	8690	1180	1.45	211	13.15	1.01	384	73.9	49	9.36	3450
M677099		7.21	0.095	0.78	7.78	6.7	380	0.80	0.22	2.59	0.08	19.40	21.4	137	1.61	741
M677100		3.39	0.058	0.43	8.26	5.7	680	0.71	0.09	2.23	0.07	26.0	25.7	153	2.68	589
M677101		2.57	0.092	0.43	8.14	6.2	560	1.05	0.27	1.94	0.09	33.0	101.0	88	0.91	668
M677102		4.87	0.031	0.15	8.58	8.8	430	1.53	0.24	2.86	0.09	39.9	21.8	7	0.54	135.5
M677103		5.33	0.017	0.12	8.50	7.2	500	1.52	0.21	2.74	0.08	40.7	12.1	9	0.48	78.6
M677104		2.63	0.018	0.11	8.59	7.5	840	1.52	0.26	2.69	0.10	40.9	7.2	7	0.64	50.7
M677105		3.41	0.012	0.08	8.45	7.6	1020	1.60	0.25	2.55	0.06	40.7	9.8	10	0.54	72.1
M677106		5.19	<0.005	<0.01	0.09	<5	20	0.06	0.02	21.3	0.07	1.35	1.3	1	0.19	1.7
M677107		6.20	0.033	0.41	8.68	8.7	490	1.54	0.33	2.08	0.31	42.4	19.2	7	0.77	351
M677108		8.07	0.081	0.31	8.32	6.9	360	1.45	0.26	2.39	0.10	39.3	22.1	19	0.77	420



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To: **SILVER RANGE RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981)
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Project: Mint

CERTIFICATE OF ANALYSIS WH12177097

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677073		4.82	14.45	0.14	0.3	0.147	1.99	9.4	7.8	1.46	558	2.82	1.66	3.8	62.5	740
M677074		4.44	17.20	0.12	0.2	0.050	0.89	9.6	8.9	2.44	638	3.98	2.60	6.2	83.7	1080
M677075		4.09	16.45	0.13	0.3	0.038	0.97	11.6	7.8	2.30	511	1.84	2.33	5.9	84.5	1010
M677076		3.97	16.90	0.12	0.3	0.043	0.70	9.8	7.7	2.21	658	9.81	2.19	6.3	87.6	1030
M677077		3.65	16.55	0.14	0.3	0.042	0.51	10.2	6.7	2.20	565	0.90	2.48	6.3	84.9	1020
M677078		9.02	18.95	0.42	1.8	1.800	1.96	258	37.7	1.40	2420	15.05	0.87	9.0	39.7	990
M677079		3.92	16.10	0.12	0.4	0.036	1.27	10.2	8.3	2.32	681	1.76	1.51	6.2	88.7	1020
M677080		3.86	15.50	0.11	0.2	0.025	0.99	9.7	7.5	2.42	482	1.35	2.11	5.1	81.8	1000
M677081		4.93	15.60	0.16	0.3	0.045	1.48	10.9	6.7	2.35	498	5.62	1.92	4.4	85.1	910
M677082		4.66	15.85	0.12	0.2	0.034	1.07	10.6	7.8	2.53	467	0.84	2.12	4.8	83.5	980
M677083		5.39	15.30	0.14	0.7	0.037	1.70	12.8	6.9	2.43	487	9.81	1.34	5.8	81.9	970
M677084		0.48	0.28	0.11	<0.1	<0.005	0.03	0.6	1.0	12.65	210	0.18	0.02	0.2	1.9	190
M677085		4.52	16.35	0.14	0.2	0.033	0.89	10.2	8.3	2.48	432	3.30	1.71	6.1	87.8	1040
M677086		3.30	16.05	0.15	0.2	0.021	1.84	8.4	5.2	1.79	370	1.39	1.89	3.4	61.9	580
M677087		2.36	15.40	0.14	0.2	0.046	1.72	6.4	5.1	1.18	324	6.29	1.98	3.0	34.3	450
M677088		2.08	16.30	0.13	0.3	0.020	1.00	6.8	5.5	1.12	245	5.10	2.75	3.2	33.1	420
M677089		2.05	16.00	0.09	0.2	0.033	1.04	6.3	5.9	1.12	248	5.41	2.77	3.5	32.6	430
M677090		2.15	15.80	0.11	0.2	0.043	1.18	7.2	5.9	1.26	429	4.24	2.66	3.8	35.4	480
M677091		4.88	17.35	0.14	0.2	0.040	1.35	10.3	11.4	3.17	470	1.69	2.49	5.4	106.0	990
M677092		2.53	13.25	0.11	0.2	1.150	1.29	5.8	6.9	1.23	431	9.22	2.37	3.9	52.7	660
M677093		4.00	17.00	0.15	0.2	0.036	1.27	8.4	13.3	2.54	312	2.63	2.58	4.2	86.8	850
M677094		4.11	17.30	0.13	0.2	0.037	1.26	8.0	13.6	2.65	335	3.05	2.69	4.4	85.5	920
M677095		4.41	17.00	0.15	0.2	0.032	1.03	8.7	11.8	2.49	257	2.02	2.51	4.0	89.8	910
M677096		3.01	15.90	0.14	0.2	0.031	0.96	9.2	7.7	1.29	188	6.72	3.33	3.3	77.0	1110
M677097		4.41	16.95	0.13	0.2	0.029	1.37	8.9	11.8	2.65	259	1.67	2.23	4.4	76.4	730
M677098		9.10	17.55	0.36	1.7	1.625	1.99	239	37.0	1.44	2470	12.65	0.85	8.3	38.3	970
M677099		4.62	17.05	0.10	0.2	0.036	1.22	9.0	13.1	3.33	431	4.98	1.84	3.8	80.4	750
M677100		5.05	18.10	0.16	0.2	0.023	1.86	11.5	16.4	3.80	318	7.17	2.05	4.4	79.0	780
M677101		4.54	17.00	0.16	0.3	0.031	1.23	15.0	11.2	2.02	206	6.19	2.66	5.9	49.3	1000
M677102		3.19	19.15	0.14	0.4	0.042	1.04	18.3	7.2	1.05	218	2.59	3.50	13.7	6.9	1400
M677103		3.01	18.50	0.14	0.4	0.034	1.04	18.0	7.4	1.06	241	11.65	3.36	13.5	7.2	1400
M677104		3.01	18.50	0.17	0.4	0.040	1.18	19.4	6.9	0.98	214	11.15	3.31	13.5	6.3	1390
M677105		2.93	18.95	0.15	0.4	0.037	1.16	19.0	6.8	0.96	194	2.51	3.38	13.5	8.5	1380
M677106		0.46	0.27	0.05	<0.1	<0.005	0.03	0.6	1.1	13.10	216	0.21	0.01	0.3	1.0	190
M677107		2.67	17.85	0.11	0.4	0.032	1.05	20.4	6.1	1.01	177	7.26	3.39	11.5	10.0	1410
M677108		2.85	18.35	0.15	0.3	0.038	1.12	17.5	7.2	1.07	192	3.21	3.36	11.6	18.6	1300



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CERTIFICATE OF ANALYSIS WH12177097

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M677073		42.4	59.1	0.003	3.88	1.52	9.1	2	1.1	200	0.25	1.52	0.9	0.247	0.67
M677074		7.7	15.8	0.002	1.49	1.94	11.6	<1	0.8	461	0.39	0.52	0.8	0.397	0.31
M677075		4.6	19.7	0.002	0.97	1.83	11.5	<1	0.8	500	0.35	0.36	0.9	0.374	0.36
M677076		8.3	10.9	0.005	1.27	2.33	12.0	1	0.8	528	0.40	0.70	0.7	0.393	0.26
M677077		5.6	7.4	0.002	1.21	2.56	11.8	<1	0.7	581	0.38	0.45	0.8	0.389	0.18
M677078		34.7	120.0	0.004	1.44	31.5	7.6	6	97.9	257	0.60	1.05	9.5	0.242	1.35
M677079		18.3	22.7	0.004	2.00	2.98	11.5	<1	0.8	343	0.38	1.90	0.7	0.378	0.50
M677080		10.1	20.1	0.003	1.73	1.95	10.7	1	0.7	368	0.34	1.05	0.8	0.340	0.39
M677081		16.5	34.6	0.006	3.30	1.84	11.0	<1	0.6	255	0.26	1.61	0.9	0.297	0.61
M677082		6.5	23.5	0.002	2.76	1.54	10.7	1	0.7	336	0.29	1.60	0.9	0.332	0.47
M677083		239	45.6	0.010	3.52	2.12	11.6	1	0.8	208	0.36	3.10	1.0	0.369	0.69
M677084		1.6	1.3	<0.002	0.02	0.07	0.3	<1	<0.2	46.6	<0.05	<0.05	<0.2	0.006	0.02
M677085		6.7	17.8	0.002	2.18	2.29	11.1	1	0.9	336	0.36	1.24	0.8	0.364	0.40
M677086		23.8	58.7	0.003	2.11	1.29	8.0	1	0.7	271	0.24	1.48	1.0	0.219	0.77
M677087		7.5	54.5	0.005	1.54	1.57	6.0	1	0.8	307	0.24	0.77	1.2	0.180	0.61
M677088		4.7	27.9	0.008	0.98	0.83	6.0	<1	0.7	483	0.26	0.49	1.2	0.179	0.37
M677089		4.9	24.0	0.006	1.03	0.81	6.7	1	0.7	488	0.26	0.39	1.1	0.184	0.35
M677090		4.5	29.3	0.003	0.84	0.86	7.5	1	0.6	464	0.27	0.49	1.2	0.202	0.38
M677091		3.6	24.4	0.002	1.68	0.95	18.6	3	0.8	495	0.32	0.30	1.1	0.411	0.56
M677092		5.1	30.8	0.011	1.92	1.12	10.6	4	0.6	384	0.25	0.86	1.0	0.263	0.49
M677093		5.8	22.7	0.003	1.83	1.27	19.6	5	0.8	500	0.26	0.36	1.0	0.425	0.49
M677094		5.9	17.9	0.004	1.74	1.37	20.0	5	1.1	525	0.27	0.37	0.9	0.445	0.48
M677095		4.1	17.5	0.003	2.01	1.07	19.2	4	0.7	451	0.25	0.23	1.0	0.404	0.42
M677096		4.6	19.0	0.005	1.97	0.77	17.3	3	0.6	510	0.21	0.29	1.0	0.284	0.36
M677097		4.0	23.8	0.004	1.13	0.79	13.6	2	0.6	448	0.33	0.20	1.3	0.334	0.55
M677098		34.4	114.0	0.002	1.38	28.5	7.0	5	87.7	252	0.62	1.12	9.3	0.243	1.22
M677099		7.3	18.6	0.007	1.37	1.15	14.4	2	0.9	395	0.29	0.50	1.1	0.322	0.49
M677100		3.2	34.7	0.007	1.32	0.63	17.5	3	1.0	422	0.27	0.14	1.4	0.327	0.74
M677101		4.4	22.1	0.005	3.17	0.90	11.1	3	1.1	446	0.39	0.30	1.8	0.249	0.37
M677102		5.7	21.3	<0.002	1.13	0.96	5.5	1	1.2	582	0.82	0.21	2.3	0.315	0.30
M677103		7.1	20.7	0.011	0.91	0.92	5.3	1	1.0	579	0.84	0.19	2.3	0.316	0.27
M677104		7.8	23.7	0.017	1.07	0.96	5.4	1	0.9	594	0.87	0.32	2.6	0.308	0.28
M677105		8.6	20.4	<0.002	1.03	0.90	5.3	1	0.9	603	0.87	0.18	2.5	0.307	0.25
M677106		1.4	1.3	<0.002	0.02	0.05	0.3	1	<0.2	50.3	<0.05	<0.05	<0.2	<0.005	<0.02
M677107		13.8	24.8	0.005	1.74	0.88	5.5	2	1.0	556	0.75	0.31	2.5	0.277	0.26
M677108		8.4	25.0	0.002	1.25	0.73	6.1	2	1.1	565	0.75	0.20	2.4	0.292	0.32



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CERTIFICATE OF ANALYSIS WH12177097

Sample Description	Method Analyte Units LOR	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
M677073		80	3.0	6.4	164	9.2
M677074		110	0.9	8.7	121	5.7
M677075		108	0.7	8.6	51	8.6
M677076		107	1.3	8.4	61	8.5
M677077		109	0.7	8.0	52	7.6
M677078		59	34.7	28.7	174	59.0
M677079		104	1.1	8.2	87	8.0
M677080		104	1.3	7.8	71	5.1
M677081		97	1.7	7.4	76	9.4
M677082		103	1.4	6.8	70	6.0
M677083		103	2.0	8.0	184	19.5
M677084		4	0.1	0.8	19	0.6
M677085		101	1.2	7.4	74	5.5
M677086		63	1.8	4.3	80	6.4
M677087		52	1.8	4.4	35	6.4
M677088		50	1.2	4.4	40	6.9
M677089		50	1.1	4.5	37	7.9
M677090		53	1.2	5.5	55	7.7
M677091		120	1.0	10.4	39	8.2
M677092		70	1.9	7.7	3000	8.8
M677093		117	1.5	8.8	50	5.3
M677094		124	1.4	9.0	50	5.3
M677095		118	1.9	9.4	33	5.1
M677096		109	2.9	8.8	22	7.0
M677097		119	0.7	7.7	40	7.7
M677098		55	28.9	27.2	166	53.6
M677099		120	1.9	7.2	56	7.0
M677100		125	1.4	9.1	37	7.6
M677101		81	2.7	8.5	27	9.6
M677102		58	0.9	12.2	29	17.3
M677103		58	0.8	11.8	34	15.6
M677104		55	0.7	11.3	38	14.0
M677105		55	0.7	10.2	38	14.5
M677106		3	0.1	0.9	15	<0.5
M677107		56	1.8	11.0	38	14.9
M677108		59	1.1	10.0	34	14.0



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CERTIFICATE OF ANALYSIS WH12177097

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10%on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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P.O. No.:

This report is for 86 Soil 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
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **SILVER RANGE RESOURCES LTD.
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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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CERTIFICATE OF ANALYSIS WH12177495

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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
ZZ21225		0.46	<0.005	<0.2	2.43	11	<10	240	0.8	<2	0.55	<0.5	31	68	53	4.78
ZZ21226		0.34	<0.005	<0.2	1.79	2	<10	210	<0.5	<2	0.55	<0.5	17	98	45	3.34
ZZ21227		0.35	<0.005	<0.2	1.21	<2	<10	70	<0.5	<2	0.53	<0.5	17	90	38	2.75
ZZ21228		0.36	<0.005	<0.2	0.98	3	<10	100	<0.5	<2	0.95	<0.5	15	51	30	2.78
ZZ21229		0.47	<0.005	<0.2	0.75	10	<10	20	<0.5	<2	0.89	<0.5	14	81	38	2.31
ZZ21230		0.38	<0.005	<0.2	1.09	5	<10	140	<0.5	<2	1.65	<0.5	26	92	45	3.83
ZZ21231		0.45	<0.005	<0.2	1.40	5	<10	80	<0.5	<2	2.29	<0.5	27	186	46	3.89
ZZ21232		0.30	<0.005	<0.2	1.69	<2	<10	130	<0.5	<2	0.74	<0.5	24	111	41	3.59
ZZ21233		0.41	<0.005	<0.2	1.34	4	<10	100	0.5	<2	0.98	<0.5	18	57	44	3.63
ZZ21234		0.47	<0.005	<0.2	1.78	3	<10	120	0.5	<2	0.65	<0.5	20	77	43	3.42
ZZ21235		0.43	<0.005	<0.2	0.96	<2	<10	320	<0.5	<2	1.20	<0.5	15	45	34	2.76
ZZ21236		0.47	<0.005	<0.2	0.70	<2	<10	130	0.7	<2	2.75	<0.5	24	163	21	3.13
ZZ21237		0.40	<0.005	<0.2	1.00	<2	<10	50	<0.5	<2	1.56	<0.5	20	78	39	3.58
ZZ21238		0.43	0.008	<0.2	1.28	<2	<10	110	<0.5	<2	1.42	<0.5	19	67	42	3.31
ZZ21239		0.34	<0.005	<0.2	1.35	<2	<10	60	<0.5	<2	0.79	<0.5	15	44	40	2.60
ZZ21240		0.37	<0.005	<0.2	1.05	<2	<10	60	<0.5	<2	0.48	<0.5	13	47	41	2.21
ZZ21241		0.30	<0.005	<0.2	1.40	<2	<10	70	<0.5	<2	0.59	<0.5	10	21	31	1.99
ZZ21242		0.33	<0.005	<0.2	1.41	<2	<10	80	<0.5	<2	0.65	<0.5	13	37	34	2.51
ZZ21243		0.38	<0.005	<0.2	1.43	<2	<10	40	<0.5	<2	0.80	<0.5	26	92	46	2.96
ZZ21244		0.36	<0.005	<0.2	0.73	<2	<10	40	<0.5	<2	0.41	<0.5	17	48	30	2.03
ZZ21245		0.35	<0.005	<0.2	1.04	<2	<10	40	<0.5	<2	0.60	<0.5	17	63	46	2.19
ZZ21246		0.36	<0.005	<0.2	1.86	<2	<10	160	<0.5	<2	0.56	<0.5	17	43	36	3.06
ZZ21247		0.36	<0.005	<0.2	0.67	<2	<10	30	<0.5	<2	0.22	<0.5	10	41	20	1.67
ZZ21248		0.33	<0.005	<0.2	2.09	4	<10	160	<0.5	<2	0.58	<0.5	15	45	39	3.51
ZZ21249		0.28	<0.005	<0.2	1.51	2	<10	90	<0.5	<2	0.53	<0.5	13	40	39	2.88
ZZ21250		0.36	<0.005	<0.2	1.27	<2	<10	40	<0.5	<2	0.70	<0.5	24	47	53	3.52
DD022701		0.12	<0.005	<0.2	2.05	5	<10	170	<0.5	<2	0.63	<0.5	15	36	43	3.27
DD022702		0.18	<0.005	<0.2	2.56	7	<10	220	0.5	<2	0.74	<0.5	17	49	45	4.05
DD022703		0.15	<0.005	<0.2	2.28	6	<10	180	<0.5	<2	0.79	<0.5	15	43	44	3.55
DD022704		0.17	<0.005	<0.2	2.65	9	<10	200	0.5	<2	0.95	<0.5	18	60	56	3.81
DD022705		0.20	<0.005	<0.2	2.39	8	<10	110	0.5	<2	0.87	<0.5	25	100	62	4.20
DD022706		0.23	<0.005	<0.2	2.18	10	<10	330	0.7	<2	0.88	<0.5	23	74	69	4.45
DD022707		0.19	<0.005	<0.2	2.48	10	<10	180	0.6	<2	0.88	<0.5	22	96	61	4.41
DD022708		0.27	<0.005	<0.2	2.38	10	<10	140	0.5	<2	0.97	<0.5	24	109	61	4.12
DD022709		0.23	0.010	<0.2	2.08	10	<10	180	0.6	<2	0.93	<0.5	19	62	53	3.98
DD022710		0.15	<0.005	<0.2	1.80	10	<10	250	0.5	<2	0.98	<0.5	13	46	44	3.10
DD022711		0.15	<0.005	0.2	2.58	10	<10	200	0.7	<2	1.10	<0.5	20	82	83	3.81
DD022712		0.21	<0.005	<0.2	2.05	7	<10	100	0.5	<2	1.08	<0.5	17	45	65	3.30
DD022713		0.16	<0.005	<0.2	1.70	8	<10	100	<0.5	<2	0.93	<0.5	16	35	51	3.00
DD022714		0.20	<0.005	<0.2	2.44	3	<10	90	0.5	<2	1.04	<0.5	19	58	58	4.04



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CERTIFICATE OF ANALYSIS WH12177495

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ21225		10	<1	0.05	20	0.92	1930	<1	0.05	63	780	6	0.04	<2	11	52
ZZ21226		<10	1	0.05	10	1.12	4760	<1	0.06	107	560	2	0.04	<2	8	51
ZZ21227		<10	<1	0.09	10	1.56	368	<1	0.05	78	450	<2	0.02	<2	7	44
ZZ21228		<10	<1	0.08	10	1.37	680	<1	0.07	62	590	<2	0.02	<2	7	47
ZZ21229		<10	<1	0.18	<10	2.05	425	<1	0.18	85	380	<2	<0.01	<2	7	40
ZZ21230		<10	<1	0.10	10	2.53	910	<1	0.07	121	720	<2	0.03	<2	11	68
ZZ21231		<10	<1	0.06	10	3.90	805	<1	0.04	117	490	2	0.07	<2	11	83
ZZ21232		<10	<1	0.08	10	1.74	757	<1	0.08	98	510	3	0.03	<2	9	50
ZZ21233		<10	<1	0.05	10	0.95	966	<1	0.07	53	1120	2	0.04	<2	9	62
ZZ21234		<10	<1	0.07	10	1.06	703	<1	0.07	74	650	<2	0.03	<2	9	54
ZZ21235		<10	9	0.09	10	1.29	759	<1	0.06	49	730	<2	0.02	<2	7	68
ZZ21236		<10	<1	0.04	10	1.64	1405	<1	0.06	89	680	<2	<0.01	<2	18	89
ZZ21237		<10	<1	0.04	10	1.88	899	<1	0.06	70	970	4	0.01	<2	10	57
ZZ21238		<10	<1	0.07	10	1.78	790	<1	0.10	76	860	2	0.01	<2	9	83
ZZ21239		<10	<1	0.05	10	1.30	504	<1	0.12	49	740	<2	0.02	<2	6	75
ZZ21240		<10	<1	0.07	10	0.94	419	<1	0.07	44	460	3	0.02	<2	6	29
ZZ21241		<10	<1	0.06	<10	0.91	256	<1	0.08	25	560	<2	0.01	<2	5	45
ZZ21242		<10	<1	0.07	10	1.21	471	<1	0.09	37	600	<2	0.02	<2	6	49
ZZ21243		<10	<1	0.07	10	2.79	1305	<1	0.13	87	670	<2	0.01	<2	8	65
ZZ21244		<10	<1	0.06	10	2.03	337	<1	0.06	60	480	<2	<0.01	<2	4	26
ZZ21245		<10	<1	0.07	<10	2.10	274	<1	0.15	61	620	<2	<0.01	<2	6	61
ZZ21246		<10	<1	0.06	10	0.88	754	<1	0.06	37	660	3	0.04	<2	4	51
ZZ21247		<10	<1	0.03	<10	0.99	272	<1	0.03	36	330	<2	0.01	<2	4	16
ZZ21248		10	<1	0.07	10	0.80	618	<1	0.06	37	750	3	0.05	<2	5	56
ZZ21249		<10	<1	0.06	10	0.85	518	<1	0.07	37	640	2	0.03	<2	6	44
ZZ21250		<10	<1	0.04	10	2.09	952	<1	0.14	74	720	<2	0.01	<2	8	64
DD022701		10	<1	0.05	10	0.83	505	<1	0.07	30	730	5	0.08	<2	4	56
DD022702		10	<1	0.06	10	1.01	738	<1	0.05	37	890	6	0.08	<2	4	58
DD022703		10	<1	0.06	10	1.01	612	<1	0.06	36	880	5	0.08	<2	4	62
DD022704		10	<1	0.06	10	1.51	629	<1	0.06	52	960	5	0.07	<2	7	75
DD022705		10	<1	0.06	10	2.14	1015	<1	0.07	79	840	8	0.04	<2	8	88
DD022706		10	<1	0.09	20	1.48	1085	<1	0.07	49	940	6	0.04	<2	10	57
DD022707		10	<1	0.05	10	1.63	892	<1	0.06	54	1050	5	0.06	<2	8	58
DD022708		10	<1	0.05	10	2.37	824	<1	0.07	57	870	5	0.04	<2	12	81
DD022709		10	<1	0.09	20	1.41	945	<1	0.05	48	1220	8	0.04	<2	7	50
DD022710		10	<1	0.05	10	0.89	484	<1	0.06	35	770	5	0.07	<2	5	60
DD022711		10	1	0.06	20	1.77	767	<1	0.06	50	970	6	0.09	<2	11	68
DD022712		10	<1	0.06	10	1.13	747	<1	0.07	34	990	4	0.09	<2	6	105
DD022713		<10	<1	0.06	10	0.79	698	<1	0.07	27	890	5	0.11	<2	4	81
DD022714		10	<1	0.06	10	1.62	717	<1	0.09	46	810	5	0.04	<2	8	252



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CERTIFICATE OF ANALYSIS WH12177495

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 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ21225		<20	0.08	<10	<10	89	<10	88
ZZ21226		<20	0.07	<10	<10	69	<10	55
ZZ21227		<20	0.06	<10	<10	60	<10	59
ZZ21228		<20	0.09	<10	<10	69	<10	52
ZZ21229		<20	0.04	<10	<10	38	<10	31
ZZ21230		<20	0.04	<10	<10	70	<10	65
ZZ21231		<20	0.06	<10	<10	75	<10	55
ZZ21232		<20	0.09	<10	<10	80	<10	70
ZZ21233		<20	0.04	<10	<10	72	<10	84
ZZ21234		<20	0.08	<10	<10	75	<10	68
ZZ21235		<20	0.07	<10	<10	53	<10	63
ZZ21236		<20	0.07	<10	<10	73	<10	61
ZZ21237		<20	0.08	<10	<10	77	<10	76
ZZ21238		<20	0.10	<10	<10	71	<10	65
ZZ21239		<20	0.12	<10	<10	73	<10	51
ZZ21240		<20	0.07	<10	<10	52	<10	39
ZZ21241		<20	0.11	<10	<10	57	<10	30
ZZ21242		<20	0.11	<10	<10	67	<10	41
ZZ21243		<20	0.08	<10	<10	62	<10	74
ZZ21244		<20	0.06	<10	<10	40	<10	67
ZZ21245		<20	0.09	<10	<10	66	<10	51
ZZ21246		<20	0.09	<10	<10	75	<10	65
ZZ21247		<20	0.05	<10	<10	33	<10	39
ZZ21248		<20	0.11	<10	<10	87	<10	67
ZZ21249		<20	0.10	<10	<10	69	<10	58
ZZ21250		<20	0.11	<10	<10	97	<10	58
DD022701		<20	0.09	<10	<10	79	<10	76
DD022702		<20	0.09	<10	<10	99	<10	86
DD022703		<20	0.09	<10	<10	87	<10	78
DD022704		<20	0.11	<10	<10	96	<10	79
DD022705		<20	0.15	<10	<10	94	<10	92
DD022706		<20	0.11	<10	<10	89	<10	93
DD022707		<20	0.09	<10	<10	105	<10	89
DD022708		<20	0.16	<10	<10	104	<10	84
DD022709		<20	0.04	<10	<10	68	<10	91
DD022710		<20	0.07	<10	<10	70	<10	66
DD022711		<20	0.09	<10	<10	94	<10	79
DD022712		<20	0.10	<10	<10	79	<10	65
DD022713		<20	0.08	<10	<10	73	<10	56
DD022714		<20	0.18	<10	<10	106	<10	77



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CERTIFICATE OF ANALYSIS WH12177495

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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
DD022715		0.17	<0.005	<0.2	2.91	11	<10	170	0.7	<2	0.62	<0.5	21	56	50	4.39
DD022716		0.18	<0.005	<0.2	2.24	7	<10	170	0.5	<2	0.74	<0.5	16	47	48	3.62
DD022717		0.16	<0.005	0.2	1.87	4	<10	220	<0.5	<2	0.78	<0.5	14	43	41	3.18
DD022718		0.22	<0.005	<0.2	2.92	8	<10	270	0.6	<2	0.91	<0.5	24	107	56	4.38
DD022719		0.20	<0.005	<0.2	2.56	8	<10	280	0.6	<2	0.89	<0.5	22	59	51	4.32
DD022720		0.16	<0.005	<0.2	2.30	7	<10	330	0.5	<2	1.00	<0.5	19	58	49	3.66
DD022721		0.17	<0.005	<0.2	2.59	8	<10	160	0.5	<2	0.79	<0.5	19	39	44	3.79
DD022722		0.15	<0.005	<0.2	1.82	6	<10	150	<0.5	<2	0.74	<0.5	16	32	48	3.09
DD022723		0.15	<0.005	<0.2	2.23	9	<10	100	<0.5	<2	1.08	<0.5	24	40	63	3.71
DD022724		0.19	<0.005	<0.2	2.00	8	<10	180	<0.5	<2	0.69	<0.5	15	34	44	3.22
DD022725		0.17	<0.005	<0.2	1.71	6	<10	160	<0.5	<2	0.81	<0.5	14	34	41	2.95
DD022726		0.27	<0.005	<0.2	3.42	10	<10	160	0.5	<2	3.91	<0.5	24	82	94	4.28
DD022727		0.17	<0.005	<0.2	2.41	8	<10	170	0.5	2	0.85	<0.5	20	62	55	3.75
DD022728		0.20	<0.005	0.2	2.21	7	<10	120	0.5	<2	1.12	<0.5	24	60	63	3.89
DD022729		0.24	<0.005	0.2	2.13	9	<10	170	0.5	<2	0.99	<0.5	22	53	57	3.78
DD022730		0.25	<0.005	<0.2	1.87	4	<10	80	<0.5	<2	1.10	<0.5	25	71	48	3.84
DD022731		0.21	<0.005	0.2	1.90	6	<10	210	0.6	2	1.36	<0.5	17	49	58	3.52
DD022732		0.21	<0.005	<0.2	2.50	13	<10	220	0.5	<2	0.72	<0.5	17	39	54	3.82
DD022733		0.18	<0.005	<0.2	2.47	11	<10	200	0.5	<2	0.86	<0.5	16	33	53	3.50
DD022734		0.28	<0.005	<0.2	2.78	15	<10	90	0.5	<2	0.94	<0.5	19	46	47	3.90
DD022735		0.20	<0.005	0.2	2.48	11	<10	130	0.5	<2	0.90	<0.5	20	40	51	3.76
DD022736		0.22	0.006	<0.2	2.88	20	<10	80	0.6	<2	0.76	<0.5	18	49	45	3.81
DD022737		0.24	<0.005	<0.2	2.56	15	<10	70	0.5	<2	0.89	<0.5	17	44	39	3.59
DD022738		0.23	<0.005	<0.2	2.18	7	<10	60	0.5	<2	0.82	<0.5	16	36	39	3.26
DD022739		0.18	<0.005	<0.2	2.66	10	<10	80	0.5	<2	1.18	<0.5	18	30	47	3.74
DD022740		0.24	<0.005	<0.2	1.86	<2	<10	20	0.6	<2	1.44	<0.5	19	29	31	4.14
DD022741		0.25	<0.005	<0.2	1.70	8	<10	40	<0.5	2	0.99	<0.5	17	46	73	2.95
DD022742		0.17	<0.005	<0.2	2.02	7	<10	170	0.5	<2	0.93	<0.5	16	31	41	3.18
DD022743		0.16	<0.005	<0.2	1.99	11	<10	130	0.5	<2	0.96	<0.5	17	31	49	3.23
DD022744		0.21	<0.005	<0.2	2.32	8	<10	100	0.5	<2	0.95	<0.5	19	40	46	3.59
DD022745		0.21	<0.005	<0.2	2.60	11	<10	60	<0.5	<2	1.21	<0.5	14	48	47	3.13
DD022746		0.18	<0.005	<0.2	2.22	15	<10	90	<0.5	<2	0.89	<0.5	15	47	27	2.87
DD022747		0.21	<0.005	<0.2	2.10	18	<10	130	<0.5	<2	0.79	<0.5	13	38	31	2.93
DD022748		0.20	<0.005	<0.2	3.13	7	<10	130	0.5	2	0.83	<0.5	20	36	43	3.85
DD022749		0.21	<0.005	<0.2	2.51	9	<10	90	0.5	<2	0.97	<0.5	17	31	46	3.55
DD022750		0.25	0.005	<0.2	2.08	5	<10	80	<0.5	<2	0.95	<0.5	19	31	46	3.77
DD017951		0.19	<0.005	<0.2	2.46	6	<10	90	0.5	<2	0.87	<0.5	19	26	45	3.69
DD017952		0.16	<0.005	<0.2	2.10	7	<10	130	<0.5	<2	0.84	<0.5	18	28	41	3.46
DD017953		0.18	<0.005	<0.2	2.42	7	<10	130	<0.5	<2	0.71	<0.5	19	29	41	3.54
DD017954		0.21	<0.005	<0.2	2.11	7	<10	130	<0.5	<2	0.72	<0.5	22	28	38	3.80



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
DD022715		10	<1	0.06	10	1.14	940	<1	0.05	41	1220	6	0.09	<2	4	75
DD022716		10	<1	0.04	10	1.08	617	<1	0.06	35	940	4	0.10	<2	4	65
DD022717		10	<1	0.05	10	0.89	563	<1	0.07	30	1050	6	0.09	<2	4	61
DD022718		10	<1	0.06	10	1.97	1035	<1	0.06	77	920	4	0.07	<2	8	67
DD022719		10	<1	0.08	10	1.21	1015	<1	0.06	48	870	8	0.08	<2	5	61
DD022720		10	1	0.07	10	1.29	1010	<1	0.06	49	980	7	0.09	<2	6	60
DD022721		10	<1	0.08	10	1.16	733	<1	0.06	39	1060	4	0.09	<2	4	70
DD022722		10	<1	0.05	10	0.89	649	<1	0.07	32	750	3	0.09	<2	4	58
DD022723		10	1	0.04	10	2.44	678	<1	0.07	75	700	3	0.05	2	8	84
DD022724		10	1	0.05	10	0.94	556	1	0.06	33	660	6	0.06	2	5	71
DD022725		10	<1	0.05	10	0.81	582	1	0.06	28	660	6	0.07	<2	5	54
DD022726		10	1	0.07	20	3.14	1150	<1	0.03	113	1010	3	0.03	<2	11	80
DD022727		10	1	0.08	10	1.66	705	<1	0.05	59	740	5	0.04	2	8	75
DD022728		10	<1	0.06	10	2.24	754	<1	0.14	75	910	4	0.02	<2	11	119
DD022729		10	<1	0.08	10	1.85	851	<1	0.11	76	750	5	0.03	3	9	108
DD022730		10	<1	0.03	10	2.89	678	<1	0.07	97	720	2	0.01	3	9	77
DD022731		<10	<1	0.12	10	1.11	963	<1	0.04	42	820	6	0.02	<2	8	98
DD022732		10	1	0.08	10	1.09	702	<1	0.06	41	600	5	0.02	3	7	83
DD022733		10	1	0.12	10	1.06	746	<1	0.06	36	920	6	0.05	2	6	101
DD022734		10	<1	0.09	10	1.39	700	<1	0.08	44	850	4	0.02	<2	8	100
DD022735		10	<1	0.09	10	1.23	714	1	0.07	42	990	4	0.05	4	7	98
DD022736		10	1	0.05	10	1.45	632	<1	0.05	45	650	4	0.03	2	8	109
DD022737		10	<1	0.05	10	1.30	629	<1	0.06	40	760	4	0.03	2	7	89
DD022738		10	1	0.14	10	1.12	632	<1	0.08	33	1000	4	0.03	3	6	119
DD022739		10	<1	0.07	10	1.50	800	<1	0.10	31	890	3	0.06	3	7	118
DD022740		10	<1	0.09	10	2.15	912	<1	0.09	24	1210	2	0.01	5	9	113
DD022741		10	<1	0.05	10	1.13	876	<1	0.05	30	660	4	0.02	3	7	49
DD022742		10	1	0.06	10	0.89	835	1	0.06	31	820	6	0.09	<2	4	68
DD022743		10	<1	0.07	10	1.08	796	1	0.08	31	960	4	0.09	3	6	79
DD022744		10	1	0.07	10	1.38	989	<1	0.08	36	940	7	0.07	4	7	83
DD022745		10	1	0.07	10	1.43	485	<1	0.11	43	730	3	0.03	<2	7	114
DD022746		10	1	0.07	10	1.13	507	<1	0.07	40	700	4	0.04	4	6	146
DD022747		10	1	0.06	10	1.00	472	<1	0.06	36	670	3	0.03	2	6	116
DD022748		10	<1	0.05	10	1.17	573	<1	0.06	49	810	3	0.02	3	7	135
DD022749		10	1	0.07	10	1.55	660	<1	0.06	41	790	3	0.04	<2	9	111
DD022750		10	<1	0.07	10	1.80	658	<1	0.07	43	760	2	0.02	2	8	107
DD017951		10	<1	0.06	10	1.46	790	<1	0.07	35	760	<2	0.03	2	8	96
DD017952		10	1	0.07	10	1.40	677	<1	0.07	39	970	4	0.06	<2	6	92
DD017953		10	1	0.05	10	1.80	691	<1	0.06	48	570	2	0.03	3	7	76
DD017954		10	<1	0.05	10	1.76	829	<1	0.05	53	650	2	0.02	3	8	79



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CERTIFICATE OF ANALYSIS WH12177495

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 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
DD022715		<20	0.09	<10	<10	109	<10	81
DD022716		<20	0.09	<10	<10	90	<10	79
DD022717		<20	0.07	<10	<10	81	<10	70
DD022718		<20	0.13	<10	<10	106	<10	80
DD022719		<20	0.08	<10	<10	100	<10	89
DD022720		<20	0.07	<10	<10	83	<10	77
DD022721		<20	0.12	<10	<10	98	<10	73
DD022722		<20	0.10	<10	<10	75	<10	64
DD022723		<20	0.22	<10	<10	96	<10	63
DD022724		<20	0.10	<10	<10	66	<10	69
DD022725		<20	0.09	<10	<10	63	<10	56
DD022726		<20	0.01	<10	<10	70	<10	64
DD022727		<20	0.12	<10	<10	84	<10	80
DD022728		<20	0.18	<10	<10	107	<10	82
DD022729		<20	0.18	<10	<10	83	<10	92
DD022730		<20	0.23	<10	<10	91	<10	67
DD022731		<20	0.04	<10	<10	68	<10	68
DD022732		<20	0.07	<10	<10	78	<10	68
DD022733		<20	0.10	<10	<10	72	<10	66
DD022734		<20	0.15	<10	<10	89	<10	65
DD022735		<20	0.13	<10	<10	82	<10	67
DD022736		<20	0.07	<10	<10	85	<10	58
DD022737		<20	0.08	<10	<10	80	<10	55
DD022738		<20	0.13	<10	<10	78	<10	59
DD022739		<20	0.16	<10	<10	88	<10	64
DD022740		<20	0.34	<10	<10	130	<10	72
DD022741		<20	0.09	<10	<10	65	<10	65
DD022742		<20	0.08	<10	<10	65	<10	64
DD022743		<20	0.10	<10	<10	70	<10	61
DD022744		<20	0.13	<10	<10	80	<10	70
DD022745		<20	0.16	<10	<10	75	<10	56
DD022746		<20	0.09	<10	<10	66	<10	56
DD022747		<20	0.10	<10	<10	68	<10	56
DD022748		<20	0.15	<10	<10	89	<10	62
DD022749		<20	0.14	<10	<10	86	<10	62
DD022750		<20	0.21	<10	<10	90	<10	64
DD017951		<20	0.19	<10	<10	87	<10	66
DD017952		<20	0.14	<10	<10	79	<10	61
DD017953		<20	0.12	<10	<10	88	<10	58
DD017954		<20	0.12	<10	<10	95	<10	60



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CERTIFICATE OF ANALYSIS WH12177495

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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
DD017955		0.17	0.015	<0.2	2.02	9	<10	140	0.5	<2	0.42	<0.5	17	36	41	3.63
DD017956		0.20	<0.005	<0.2	1.65	5	<10	80	<0.5	<2	0.79	<0.5	23	30	38	3.68
DD017957		0.20	0.011	<0.2	1.87	4	<10	90	<0.5	<2	0.73	<0.5	18	22	31	3.17
DD017958		0.21	<0.005	<0.2	1.94	6	<10	100	<0.5	<2	0.83	<0.5	18	22	35	3.30
DD017959		0.22	<0.005	<0.2	1.75	10	<10	70	<0.5	<2	0.83	<0.5	18	30	48	3.29
DD017960		0.14	<0.005	0.2	1.72	9	<10	120	<0.5	<2	0.73	<0.5	11	29	47	2.75



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CERTIFICATE OF ANALYSIS WH12177495

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
DD017955		10	<1	0.07	10	0.81	733	1	0.05	32	680	5	0.05	2	4	45
DD017956		10	<1	0.04	10	1.80	781	<1	0.05	54	640	2	0.03	<2	9	90
DD017957		10	<1	0.04	10	2.05	583	<1	0.06	41	500	2	0.03	2	7	82
DD017958		10	<1	0.05	10	1.87	602	<1	0.06	40	570	4	0.03	<2	7	90
DD017959		<10	<1	0.05	10	1.65	640	<1	0.10	50	800	3	0.02	2	7	95
DD017960		10	<1	0.04	10	0.73	424	<1	0.06	29	650	6	0.08	3	4	75



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Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
DD017955		<20	0.08	<10	<10	77	<10	73
DD017956		<20	0.12	<10	<10	90	<10	57
DD017957		<20	0.16	<10	<10	73	<10	53
DD017958		<20	0.13	<10	<10	72	<10	55
DD017959		<20	0.10	<10	<10	84	<10	56
DD017960		<20	0.06	<10	<10	59	<10	58



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CERTIFICATE WH12186535

Project: Mint

P.O. No.: Batch 4

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 10- AUG- 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
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS
Au- AA24	Au 50g FA AA finish AAS

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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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677109		6.86	0.067	0.35	7.96	6.4	250	1.43	0.28	1.94	0.13	42.2	18.8	7	0.65	389
M677110		4.98	0.048	0.30	7.73	5.8	230	1.31	0.35	2.36	0.08	40.3	10.1	6	0.80	197.5
M677111		2.60	0.294	4.40	7.72	7.3	330	1.16	1.36	1.94	0.60	41.9	13.7	9	1.02	1025
M677112		5.97	0.053	0.43	7.92	7.0	350	1.28	0.47	1.96	0.85	42.3	15.4	6	0.97	154.0
M677113		6.47	0.063	0.38	7.91	5.1	440	1.13	0.25	2.46	0.06	29.1	15.7	60	1.19	268
M677114		<0.02	0.057	0.42	7.91	4.6	440	1.11	0.24	2.47	0.06	28.8	15.6	60	1.19	270
M677115		7.18	0.044	0.27	8.32	5.2	330	0.85	0.26	3.67	0.07	21.9	15.3	121	1.85	196.5
M677116		6.90	0.053	0.30	7.98	3.6	460	0.80	0.23	3.61	0.07	19.05	14.6	112	2.06	230
M677117		7.95	0.104	0.46	7.98	3.6	300	0.73	0.32	2.83	0.08	18.10	20.5	88	1.54	447
M677118		4.58	0.057	0.37	7.91	4.6	320	0.71	0.39	2.01	0.22	11.20	12.6	35	1.14	230
M677119		0.10	0.824	7.14	5.13	8900	1150	1.31	205	12.70	1.09	449	75.7	53	9.87	3290
M677120		2.34	0.116	3.57	7.85	15.4	330	0.79	0.80	2.06	0.24	11.70	15.3	43	1.41	308
M677121		7.68	0.036	0.23	7.51	2.6	290	0.71	0.30	2.05	0.13	10.70	9.4	37	0.82	140.5
M677122		2.87	0.093	0.61	7.54	6.0	290	0.79	0.33	2.39	0.11	17.75	16.9	46	1.26	362
M677123		5.23	0.042	0.19	7.93	3.0	320	0.85	0.23	2.41	0.09	26.2	11.6	38	0.85	132.5
M677124		6.31	0.028	0.33	7.87	1.9	280	0.72	0.23	1.84	0.06	14.60	11.0	35	0.69	232
M677125		2.20	0.038	0.39	7.95	1.9	340	0.86	0.20	1.82	0.11	29.5	6.8	24	0.74	255
M677126		4.75	0.143	1.46	7.94	9.3	330	0.89	0.84	2.00	0.26	26.5	20.7	31	1.66	351
M677127		5.25	<0.005	0.01	0.07	<5	20	0.05	0.03	20.1	0.06	1.15	1.0	1	0.13	3.3
M677128		5.62	0.048	0.50	8.66	8.4	430	1.20	0.38	2.57	0.04	30.0	21.4	10	1.90	261
M677129		4.65	0.043	0.36	8.21	5.3	570	1.35	0.23	2.09	0.06	39.5	10.1	6	1.41	141.0
M677130		2.49	0.182	1.30	8.50	3.3	600	1.22	0.38	2.46	0.16	48.2	8.3	8	0.77	1005
M677131		0.10	0.830	10.10	5.02	8600	1120	1.19	210	12.20	1.03	425	70.8	49	9.49	3210
M677132		6.51	0.156	0.66	8.46	6.6	350	1.35	0.32	2.15	0.25	41.8	14.1	7	0.74	666
M677133		6.94	0.060	0.32	8.34	7.4	400	1.30	0.20	2.39	0.10	40.5	8.9	6	0.72	283
M677134		6.72	0.047	0.45	7.89	4.2	370	1.06	0.14	2.00	0.26	27.1	7.7	10	0.64	361
M677135		7.83	0.068	0.55	7.77	2.3	400	0.86	0.14	2.25	0.41	23.8	6.6	17	0.92	573
M677136		5.44	<0.005	0.01	0.10	<5	20	0.08	0.03	19.40	0.06	1.26	1.0	2	0.18	3.0
M677137		7.99	0.078	0.44	8.00	4.3	390	1.40	0.19	2.48	0.16	36.4	7.1	7	1.08	445
M677138		4.13	0.186	2.98	7.45	28.7	460	0.92	1.61	1.98	1.79	28.4	10.8	24	1.49	642
M677139		4.01	0.050	0.79	7.27	3.3	410	0.76	0.66	1.42	0.87	13.40	16.2	58	0.68	384
M677140		7.15	0.031	0.45	7.81	2.9	460	0.56	0.27	1.45	0.80	15.50	15.9	55	0.67	238
M677141		4.75	0.019	0.28	7.69	2.6	330	0.56	0.30	1.71	0.48	12.65	11.1	33	0.67	113.0
M677142		5.17	0.015	0.23	8.17	2.7	420	0.61	0.31	2.37	0.35	10.80	13.4	104	0.95	91.2
M677143		2.20	0.015	0.29	8.12	3.3	450	0.60	0.35	2.29	0.41	11.15	13.0	116	1.02	102.5
M677144		3.29	0.011	0.18	8.33	4.7	280	0.91	0.28	2.23	0.24	29.2	15.3	23	0.77	69.8



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Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677109		2.20	17.50	0.09	0.4	0.027	0.81	20.7	6.5	0.87	159	6.30	3.96	10.4	10.8	1320
M677110		2.36	18.85	0.09	0.4	0.039	0.85	20.0	5.4	0.86	279	7.72	3.38	12.1	6.4	1260
M677111		3.11	17.45	0.11	0.4	0.352	1.85	20.6	5.1	0.81	515	3.15	2.74	10.4	9.5	1240
M677112		2.44	18.30	0.09	0.4	0.072	1.40	20.7	5.5	0.92	370	2.84	2.95	11.2	8.9	1250
M677113		3.17	18.55	0.09	0.3	0.041	1.29	13.4	8.0	1.53	262	5.22	2.99	10.3	40.4	1140
M677114		3.18	18.15	0.10	0.3	0.040	1.30	13.1	8.0	1.54	263	5.95	3.02	10.5	40.1	1130
M677115		3.73	18.35	0.11	0.3	0.057	1.39	9.7	8.8	2.48	397	11.40	2.55	6.7	82.5	900
M677116		4.21	18.35	0.11	0.3	0.047	1.29	8.2	7.7	2.54	379	3.66	2.53	6.8	84.4	980
M677117		3.52	17.60	0.10	0.2	0.050	1.34	8.1	7.3	1.89	275	4.03	2.82	5.6	58.3	860
M677118		2.17	14.10	0.08	0.2	0.041	1.21	5.4	6.1	1.03	304	5.79	3.45	3.5	24.8	520
M677119		8.94	19.40	0.36	1.9	1.740	1.92	257	40.2	1.39	2370	17.95	0.87	10.4	35.4	960
M677120		2.56	14.00	0.08	0.2	0.136	1.59	5.4	8.0	1.06	826	8.94	3.00	3.5	30.5	570
M677121		2.24	14.40	0.08	0.2	0.033	1.01	5.1	8.1	1.05	177	12.05	3.27	3.4	26.7	510
M677122		3.04	15.55	0.10	0.2	0.085	1.27	8.1	9.2	1.35	362	16.65	2.83	4.5	37.0	780
M677123		2.86	18.00	0.10	0.2	0.033	1.14	11.3	8.0	1.35	221	6.14	3.53	9.1	26.4	1320
M677124		2.05	15.60	0.08	0.2	0.024	0.93	6.8	5.9	1.00	176	6.01	3.94	3.3	25.9	640
M677125		1.69	15.20	0.08	0.2	0.046	1.02	14.5	6.0	0.98	248	59.2	3.80	6.8	17.8	750
M677126		3.83	17.05	0.12	0.3	0.175	1.89	12.9	7.4	1.32	716	2.67	2.38	8.5	28.2	930
M677127		0.45	0.23	0.06	<0.1	0.005	0.02	0.6	0.9	12.45	202	0.21	0.01	0.3	2.2	180
M677128		4.27	21.3	0.12	0.3	0.076	1.48	13.1	12.4	1.74	321	3.94	2.72	9.8	23.4	1430
M677129		2.45	17.95	0.10	0.3	0.062	1.21	19.6	7.6	0.86	423	2.64	3.25	10.7	7.1	1300
M677130		3.24	17.95	0.12	0.3	0.105	0.99	24.0	5.2	0.93	251	91.5	3.87	9.2	10.1	1350
M677131		8.60	18.65	0.31	1.9	1.690	1.89	247	35.9	1.36	2290	15.70	0.86	10.2	32.3	940
M677132		2.60	18.65	0.08	0.4	0.057	0.95	20.7	6.4	0.92	184	6.46	3.85	9.0	7.9	1320
M677133		2.75	18.70	0.10	0.4	0.033	1.01	20.2	5.5	0.90	213	7.18	3.48	11.0	6.1	1290
M677134		2.22	17.90	0.09	0.3	0.023	1.01	13.0	7.0	1.03	186	22.4	3.35	8.1	11.9	1120
M677135		2.18	16.95	0.09	0.4	0.031	1.25	11.4	6.7	1.10	274	36.5	3.15	6.1	14.3	850
M677136		0.44	0.27	0.05	<0.1	<0.005	0.03	0.6	1.1	12.05	193	0.22	0.01	0.3	2.6	210
M677137		2.86	18.10	0.10	0.4	0.050	1.12	17.3	7.7	0.91	253	16.15	3.25	10.3	6.9	1280
M677138		3.19	15.95	0.12	0.2	0.239	1.95	13.6	7.3	0.97	825	26.8	2.22	5.8	22.9	930
M677139		2.90	17.75	0.12	0.2	0.065	1.10	6.4	7.1	1.41	309	27.3	3.79	3.2	55.2	720
M677140		3.23	15.45	0.13	0.1	0.027	1.12	7.5	4.7	1.51	308	7.90	3.59	2.9	48.8	740
M677141		2.74	14.00	0.10	0.1	0.021	1.00	6.2	3.9	1.18	280	5.06	3.52	3.0	30.3	610
M677142		3.38	16.85	0.12	0.2	0.023	1.38	5.0	5.6	2.01	334	2.83	2.70	3.6	58.7	870
M677143		3.39	18.95	0.13	0.2	0.019	1.36	5.1	6.3	2.12	344	2.16	2.63	4.1	61.2	890
M677144		3.52	16.95	0.14	0.2	0.014	1.12	14.1	4.9	1.22	185	2.42	3.16	6.3	25.3	1240



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CERTIFICATE OF ANALYSIS WH12186535

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M677109		9.1	23.2	0.006	1.43	0.72	4.9	2	1.3	528	0.73	0.18	2.6	0.249	0.22
M677110		6.4	24.0	0.005	1.22	0.93	4.7	2	1.1	486	0.81	0.25	2.5	0.262	0.26
M677111		12.2	52.9	0.002	2.62	0.90	5.0	2	1.1	313	0.73	1.99	2.4	0.243	0.58
M677112		7.9	43.6	<0.002	1.73	1.16	5.0	2	1.1	382	0.79	0.49	2.6	0.250	0.45
M677113		5.2	28.4	0.005	1.06	1.15	8.1	2	1.0	498	0.69	0.30	1.5	0.328	0.42
M677114		5.3	27.8	0.006	1.06	1.18	7.9	2	1.0	502	0.68	0.29	1.5	0.328	0.41
M677115		4.6	33.6	0.016	0.73	1.14	13.9	2	1.1	498	0.40	0.32	0.7	0.390	0.55
M677116		3.4	21.9	0.003	0.62	0.81	12.8	2	0.9	502	0.40	0.22	0.6	0.415	0.60
M677117		4.4	32.5	0.002	1.28	0.83	10.9	2	1.0	447	0.35	0.28	0.6	0.337	0.51
M677118		6.0	40.3	0.004	1.19	0.76	5.9	2	0.7	404	0.24	0.27	0.5	0.180	0.41
M677119		33.8	133.0	0.004	1.38	30.9	7.7	7	102.5	251	0.66	0.98	9.9	0.235	1.30
M677120		11.9	54.3	0.005	1.87	29.0	6.5	2	0.8	347	0.23	0.72	0.5	0.191	0.59
M677121		6.1	28.2	0.005	1.06	0.66	5.7	1	0.7	426	0.23	0.23	0.5	0.184	0.32
M677122		6.2	37.6	0.009	1.46	0.81	8.0	2	0.9	400	0.29	0.25	0.6	0.265	0.43
M677123		5.6	28.6	0.003	0.96	0.74	7.4	2	1.0	449	0.55	0.17	0.8	0.362	0.38
M677124		4.1	25.8	0.007	1.17	0.63	6.1	2	0.8	421	0.22	0.21	0.6	0.196	0.27
M677125		5.4	28.5	0.083	0.83	0.73	4.9	1	0.8	434	0.45	0.18	1.7	0.201	0.31
M677126		7.7	65.4	0.004	3.00	2.70	7.4	3	1.1	270	0.55	1.22	1.9	0.295	0.62
M677127		1.2	1.1	<0.002	0.01	<0.05	0.1	1	<0.2	48.1	<0.05	<0.05	<0.2	<0.005	<0.02
M677128		5.2	32.7	0.002	1.41	1.23	12.6	2	1.5	527	0.60	0.30	1.3	0.561	0.48
M677129		5.7	33.9	0.002	1.23	1.03	4.9	2	1.0	461	0.74	0.24	2.5	0.263	0.41
M677130		7.6	27.3	0.144	2.77	1.05	5.1	3	1.7	532	0.62	0.58	2.8	0.229	0.27
M677131		34.1	131.5	0.003	1.33	30.1	7.5	7	101.5	247	0.64	0.88	10.1	0.230	1.30
M677132		7.1	28.1	0.005	1.70	0.85	4.8	2	1.3	524	0.64	0.20	2.7	0.232	0.25
M677133		6.9	28.8	0.008	1.15	0.84	4.8	2	1.1	536	0.76	0.21	2.6	0.266	0.29
M677134		7.9	24.6	0.030	1.04	0.75	5.9	2	1.3	488	0.56	0.19	2.0	0.266	0.26
M677135		11.9	35.6	0.039	0.88	0.69	6.9	2	1.3	461	0.41	0.17	1.5	0.268	0.34
M677136		1.2	1.4	<0.002	0.01	<0.05	0.2	1	<0.2	47.1	<0.05	<0.05	0.2	<0.005	<0.02
M677137		7.7	29.6	0.013	1.32	0.71	4.8	2	1.0	502	0.72	0.17	2.2	0.263	0.35
M677138		234	69.2	0.028	2.61	25.3	5.4	2	1.0	237	0.41	0.99	1.6	0.212	0.70
M677139		8.8	28.8	0.023	1.99	0.75	8.2	2	1.0	361	0.22	0.98	0.7	0.240	0.34
M677140		15.2	31.5	0.008	2.45	0.58	7.7	2	1.0	386	0.18	0.21	0.8	0.233	0.30
M677141		12.9	26.0	0.006	2.14	0.50	5.6	2	0.8	396	0.20	0.17	0.7	0.183	0.25
M677142		13.8	28.2	0.004	2.10	0.48	9.7	2	0.9	442	0.23	0.15	0.7	0.321	0.36
M677143		13.7	31.3	0.003	2.00	0.52	11.0	2	1.0	434	0.26	0.18	0.7	0.333	0.41
M677144		11.4	25.7	<0.002	3.02	0.41	6.3	2	0.9	489	0.42	0.13	1.7	0.241	0.30



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CERTIFICATE OF ANALYSIS WH12186535

Sample Description	Method Analyte Units LOR	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
M677109		55	1.9	10.9	35	13.6
M677110		51	1.4	11.2	41	15.0
M677111		54	2.4	10.9	105	14.2
M677112		52	2.1	11.4	137	16.5
M677113		73	1.1	9.0	41	8.7
M677114		73	1.1	9.0	41	8.5
M677115		102	1.3	10.6	44	8.0
M677116		110	1.0	10.0	37	6.9
M677117		87	1.0	8.4	42	6.0
M677118		44	1.0	4.8	53	5.0
M677119		56	33.0	33.4	164	63.7
M677120		49	1.4	5.3	56	5.5
M677121		46	0.7	4.5	38	5.7
M677122		66	1.2	7.0	53	6.6
M677123		74	1.1	8.6	52	7.5
M677124		53	1.1	6.4	32	5.5
M677125		43	1.3	6.7	44	6.6
M677126		66	2.1	10.4	83	8.7
M677127		1	0.1	0.9	18	<0.5
M677128		132	1.3	9.4	79	8.0
M677129		53	1.1	11.1	38	11.7
M677130		57	1.6	13.2	41	11.8
M677131		54	32.6	32.5	161	62.4
M677132		54	1.4	11.1	52	12.8
M677133		52	1.0	10.6	44	13.7
M677134		64	1.4	7.7	54	10.9
M677135		67	1.6	8.5	88	11.6
M677136		2	0.1	0.9	15	<0.5
M677137		54	1.0	10.6	51	13.2
M677138		52	2.1	8.4	314	8.6
M677139		62	1.4	5.1	169	5.5
M677140		65	1.3	5.2	158	4.7
M677141		51	0.9	4.0	94	5.2
M677142		92	1.0	5.7	106	5.3
M677143		94	1.0	6.1	110	6.0
M677144		65	1.0	7.4	58	10.0



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CERTIFICATE OF ANALYSIS WH12186535

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10%on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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CERTIFICATE WH12192091

Project: Mint

P.O. No.: Batch 5

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 16- AUG- 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
LOG- 24	Pulp Login - Rcd w/ o Barcode
SPL- 21d	Split sample - duplicate
LOG- 22d	Sample login - Rcd w/ o BarCode dup
PUL- 31d	Pulverize Split - duplicate
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS
Au- AA24	Au 50g FA AA finish AAS

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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 WH12192091

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677145		8.52	0.048	0.46	7.72	7.1	360	1.30	0.32	2.06	0.38	28.3	19.1	79	1.01	467
M677146		7.81	0.053	0.49	7.89	6.5	510	1.49	0.25	2.17	0.41	38.7	16.8	13	0.68	428
M677147		3.10	0.032	0.42	7.67	3.7	270	0.83	0.71	1.52	0.33	16.55	19.0	39	0.67	285
M677148		6.85	0.016	0.33	7.41	3.1	350	0.79	0.59	1.35	0.58	14.75	14.7	37	0.64	131.5
M677149		8.13	0.031	0.39	7.53	3.8	410	1.11	0.23	1.77	0.27	33.1	17.1	20	0.64	259
M677150		0.10	0.830	7.94	4.95	8490	1250	1.24	207	13.45	1.02	428	74.5	47	9.59	3480
M677151		8.22	0.034	0.37	7.78	5.1	650	1.14	0.78	1.86	0.19	34.5	11.1	20	0.66	223
M677152		2.70	0.038	0.46	7.50	5.7	380	1.06	0.40	2.05	0.32	34.0	11.5	19	0.73	281
M677153		2.91	0.037	0.70	7.33	6.5	790	0.99	0.35	2.38	0.48	34.8	14.2	19	0.84	223
M677154		7.72	0.021	0.26	7.76	3.3	410	1.15	0.16	1.89	0.23	33.7	16.2	20	0.54	179.0
M677155		7.75	0.084	0.43	7.58	3.9	400	1.20	0.28	1.98	0.18	34.9	13.2	23	0.81	183.5
M677156		2.59	0.031	0.28	7.42	2.8	470	1.13	0.19	1.98	0.17	33.9	17.6	23	0.81	161.5
M677157		3.15	<0.005	0.01	0.07	5	20	0.06	0.04	21.4	0.06	1.25	0.6	<1	0.20	6.0
M677158		8.62	0.040	0.34	7.66	6.9	360	1.19	0.39	2.13	0.24	36.2	21.5	20	0.61	228
M677159		8.04	0.106	0.37	8.00	12.4	380	1.52	0.78	2.30	0.34	40.6	13.4	12	1.02	259
M677160		7.94	0.060	0.40	7.55	7.6	500	1.29	0.88	2.08	0.39	39.9	18.9	21	1.03	218
M677161		5.14	0.049	0.55	7.55	4.0	410	1.15	0.65	2.09	0.25	36.3	14.6	32	0.57	269
M677162		<0.02	0.043	0.58	7.84	4.1	420	1.26	0.68	2.16	0.27	38.6	15.0	34	0.59	278
M677163		2.51	0.060	0.62	7.93	7.4	300	1.18	1.49	2.30	0.43	42.6	20.5	28	1.13	319
M677164		8.33	0.029	0.36	7.60	4.0	390	1.25	0.94	2.02	0.30	29.9	15.6	24	0.86	220
M677165		8.37	0.034	0.41	7.71	4.1	370	1.16	0.84	1.97	0.43	37.8	14.4	20	1.10	231
M677166		7.84	0.035	0.39	7.46	3.0	290	1.20	0.65	1.68	0.11	35.6	10.6	18	1.01	227
M677167		7.71	0.014	0.38	7.54	4.9	870	1.64	0.37	1.55	0.21	43.6	9.6	7	1.20	110.0
M677168		0.10	0.805	7.21	4.60	8040	1240	1.17	195.5	12.40	1.2	403	72.9	46	9.17	3300
M677169		4.50	0.037	0.15	7.46	7.3	540	1.58	0.62	0.96	0.13	44.4	10.5	7	1.08	96.5
M677170		3.98	0.038	0.37	7.45	2.6	1100	1.66	0.62	1.26	0.14	47.2	11.2	7	1.43	188.5
M677171		7.67	0.035	0.59	7.22	4.1	700	1.58	0.55	1.11	0.14	46.1	12.2	6	1.35	280
M677172		4.17	0.028	0.62	7.05	4.8	720	1.74	0.47	1.45	0.37	43.7	10.7	7	1.28	220
M677173		2.08	0.029	0.68	6.88	6.1	660	1.72	0.49	1.41	0.39	43.6	12.9	8	1.26	233
M677174		8.79	0.032	0.28	7.41	4.3	330	1.18	0.51	2.33	0.05	33.0	16.3	45	1.20	197.0
M677175		2.87	0.096	0.78	7.14	7.4	240	1.13	1.93	2.60	0.12	35.2	13.0	15	1.04	576
M677176		8.33	0.047	0.33	7.47	3.2	310	1.07	0.83	2.41	0.06	36.3	12.7	14	0.83	226
M677177		3.01	0.053	0.34	8.14	3.7	360	1.14	1.19	2.48	0.06	31.1	15.4	16	0.79	194.0
M677178		2.54	0.082	0.57	8.91	4.0	350	1.17	1.66	2.31	0.09	27.4	21.3	6	0.93	426
M677179		5.37	<0.005	0.01	0.09	<5	20	0.06	0.04	21.0	0.07	1.38	1.3	<1	0.28	4.1
M677180		6.35	0.017	0.30	8.40	4.9	380	0.93	0.28	3.68	0.06	30.4	7.3	6	1.56	171.0



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CERTIFICATE OF ANALYSIS WH12192091

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677145		3.72	19.60	0.14	0.2	0.030	1.20	13.7	9.3	1.53	242	37.5	3.39	8.0	45.3	1250
M677146		3.07	19.75	0.15	0.3	0.031	1.09	19.3	8.3	1.16	220	18.65	3.46	9.0	13.9	1330
M677147		2.51	16.10	0.11	0.2	0.053	0.95	8.2	6.5	1.26	220	9.27	3.94	3.4	35.6	680
M677148		2.34	15.10	0.11	0.2	0.043	1.14	7.4	6.1	1.13	203	7.18	3.41	2.7	31.5	570
M677149		2.53	18.25	0.13	0.2	0.031	1.02	16.1	7.2	1.03	186	11.35	3.40	5.4	20.5	990
M677150		8.84	19.95	0.48	1.9	1.825	1.87	245	37.9	1.38	2460	18.90	0.83	9.9	32.5	980
M677151		2.62	19.50	0.14	0.3	0.057	1.01	17.4	6.5	1.04	231	13.10	3.58	6.9	18.0	1050
M677152		2.99	18.50	0.14	0.2	0.071	0.88	16.9	6.1	1.02	285	7.44	3.44	6.6	18.5	1030
M677153		3.11	16.35	0.17	0.2	0.059	0.92	17.2	5.8	1.01	629	11.90	3.22	5.4	16.7	980
M677154		2.68	19.00	0.16	0.2	0.026	1.09	16.8	7.3	1.11	195	12.00	3.62	5.8	17.8	1090
M677155		3.23	19.70	0.17	0.2	0.038	1.21	16.8	7.7	1.18	328	4.28	3.25	6.8	18.2	1120
M677156		3.43	18.95	0.18	0.2	0.019	1.35	16.4	8.2	1.46	230	8.03	3.01	6.3	19.8	1130
M677157		0.48	0.23	0.10	<0.1	0.011	0.03	0.6	1.0	13.80	215	0.19	0.01	0.2	2.0	160
M677158		3.15	18.90	0.15	0.2	0.035	1.07	17.5	6.3	1.24	204	40.6	3.38	6.0	15.7	1200
M677159		3.24	20.0	0.18	0.3	0.050	1.21	20.0	5.3	1.19	213	22.7	3.17	8.0	13.0	1310
M677160		3.44	18.80	0.16	0.2	0.037	1.15	19.9	6.1	1.20	252	9.85	3.24	5.9	18.4	1180
M677161		3.23	20.4	0.16	0.2	0.050	0.98	17.5	8.0	1.23	260	8.56	3.25	7.5	23.1	1250
M677162		3.34	20.7	0.18	0.2	0.051	1.02	18.5	8.2	1.27	270	8.49	3.33	7.6	23.5	1290
M677163		3.39	20.8	0.20	0.2	0.075	0.91	20.6	6.4	1.58	316	12.80	3.23	6.6	23.2	1240
M677164		2.59	19.95	0.16	0.2	0.059	0.85	14.3	7.3	1.17	219	10.45	3.30	6.2	20.1	1150
M677165		2.63	19.65	0.18	0.3	0.059	1.02	18.3	5.7	1.13	243	4.30	3.33	6.0	21.3	1150
M677166		2.41	19.10	0.16	0.2	0.045	0.88	17.6	5.7	1.02	229	4.16	3.64	4.8	17.6	1060
M677167		1.55	16.30	0.14	0.4	0.038	1.32	24.3	5.2	0.44	184	16.25	3.62	12.5	6.7	640
M677168		8.37	18.75	0.50	1.8	1.745	1.77	237	36.1	1.32	2330	16.35	0.77	9.1	31.8	910
M677169		2.04	15.75	0.13	0.4	0.049	1.52	25.2	4.9	0.42	115	4.20	3.18	9.7	7.1	620
M677170		1.96	16.55	0.14	0.4	0.091	1.79	26.7	3.8	0.40	180	5.08	2.97	11.7	6.6	620
M677171		1.67	15.55	0.15	0.4	0.094	1.50	26.8	4.6	0.47	211	18.90	3.42	12.6	6.8	620
M677172		1.60	15.55	0.13	0.4	0.080	1.31	24.3	4.7	0.49	242	56.6	3.54	14.3	6.7	610
M677173		1.71	15.75	0.15	0.4	0.081	1.30	24.3	4.8	0.48	239	46.2	3.60	14.2	7.4	610
M677174		3.40	18.85	0.19	0.3	0.059	0.88	16.0	6.3	1.40	332	37.2	3.31	7.3	26.8	1050
M677175		3.58	18.05	0.19	0.3	0.195	0.88	17.4	5.8	1.43	431	17.10	2.84	8.5	16.9	940
M677176		3.09	18.60	0.17	0.2	0.084	0.96	17.8	6.0	1.33	304	30.6	3.27	8.2	17.7	1080
M677177		3.26	19.50	0.16	0.2	0.063	1.03	14.8	5.4	1.22	282	22.0	3.49	8.0	19.0	1130
M677178		3.46	22.8	0.19	0.2	0.089	1.11	12.4	6.5	1.53	253	36.3	3.43	5.7	25.9	1370
M677179		0.46	0.42	0.19	<0.1	0.005	0.03	0.7	1.2	12.60	218	0.24	0.02	0.5	0.4	180
M677180		4.26	21.9	0.19	0.2	0.047	1.20	13.2	5.4	1.91	390	17.15	3.14	8.2	21.7	1370



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CERTIFICATE OF ANALYSIS WH12192091

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M677145		15.7	33.0	0.035	2.83	0.66	10.5	3	1.4	484	0.55	0.31	1.5	0.331	0.35
M677146		19.3	31.4	0.015	2.35	0.63	6.9	3	1.3	504	0.68	0.25	2.2	0.276	0.34
M677147		17.4	34.1	0.008	2.15	0.45	6.9	3	1.3	391	0.24	0.39	0.9	0.194	0.30
M677148		21.1	38.5	0.005	1.86	0.45	6.6	3	1.2	349	0.20	0.30	0.7	0.167	0.31
M677149		13.0	28.8	0.009	1.82	0.57	6.8	3	1.3	447	0.39	0.11	1.7	0.219	0.29
M677150		35.1	136.0	0.004	1.35	31.2	7.8	8	105.5	248	0.70	0.90	10.3	0.238	1.39
M677151		11.1	32.2	0.013	1.79	0.65	7.1	3	1.3	467	0.50	0.33	2.1	0.251	0.30
M677152		16.0	27.4	0.010	1.74	0.67	6.9	3	1.0	490	0.47	0.23	1.9	0.245	0.29
M677153		39.4	30.0	0.011	2.41	4.49	6.7	3	1.1	466	0.38	0.31	1.7	0.204	0.35
M677154		10.7	33.0	0.013	1.66	0.58	7.4	3	1.1	513	0.41	0.12	2.0	0.243	0.29
M677155		11.3	36.5	0.005	1.52	0.80	8.0	3	1.1	466	0.47	0.20	1.9	0.289	0.35
M677156		7.6	37.7	0.007	2.05	0.49	8.0	3	1.1	464	0.44	0.16	1.9	0.285	0.39
M677157		2.9	1.4	<0.002	0.01	0.47	0.2	1	0.3	43.5	<0.05	<0.05	<0.2	<0.005	<0.02
M677158		10.5	30.1	0.055	2.47	0.56	7.1	3	1.1	473	0.44	0.18	1.9	0.239	0.30
M677159		11.5	37.9	0.026	2.45	0.70	6.9	3	1.5	504	0.60	0.40	2.1	0.257	0.38
M677160		16.4	36.8	0.012	2.78	0.77	7.8	3	1.2	441	0.42	0.38	1.9	0.251	0.38
M677161		11.5	26.5	0.012	2.17	0.71	9.4	3	1.2	519	0.49	0.32	1.9	0.313	0.31
M677162		11.6	28.2	0.012	2.24	0.74	9.7	3	1.2	533	0.50	0.34	2.1	0.325	0.33
M677163		15.2	30.5	0.011	2.84	0.88	9.9	4	1.3	464	0.47	0.68	2.1	0.303	0.31
M677164		9.3	25.3	0.012	1.86	0.51	8.4	3	1.1	508	0.44	0.42	2.1	0.279	0.28
M677165		15.2	33.8	0.003	1.83	0.53	8.2	3	1.1	506	0.43	0.42	1.8	0.276	0.37
M677166		7.3	29.3	0.008	1.78	0.50	7.2	3	1.2	452	0.34	0.28	1.8	0.222	0.30
M677167		10.0	33.3	0.003	1.48	1.82	3.1	2	0.9	424	1.01	0.20	5.0	0.118	0.34
M677168		33.2	126.0	0.004	1.26	30.0	7.6	8	100.5	231	0.64	0.83	10.0	0.225	1.31
M677169		6.2	44.0	0.002	2.11	0.52	2.8	3	1.2	353	0.81	0.23	5.2	0.089	0.39
M677170		8.2	50.1	0.002	1.99	0.60	2.9	3	1.1	283	0.96	0.31	5.3	0.112	0.49
M677171		9.5	45.0	0.021	1.62	7.80	2.8	3	1.1	306	1.04	0.26	5.2	0.115	0.45
M677172		17.4	39.4	0.055	1.33	5.49	2.8	3	1.0	375	1.15	0.19	4.9	0.133	0.44
M677173		16.0	36.8	0.041	1.50	7.87	2.8	3	1.0	380	1.14	0.19	4.8	0.131	0.43
M677174		4.3	28.4	0.039	1.49	0.76	9.9	3	1.1	442	0.49	0.24	1.7	0.308	0.33
M677175		8.2	30.8	0.020	2.67	0.88	7.0	3	1.3	395	0.57	0.92	1.7	0.279	0.37
M677176		4.4	26.3	0.043	1.41	0.66	9.4	3	1.1	472	0.54	0.33	1.5	0.359	0.36
M677177		5.3	24.7	0.027	1.61	0.58	9.1	2	0.9	496	0.51	0.42	1.5	0.339	0.36
M677178		10.1	27.9	0.047	2.49	1.46	15.0	3	1.7	506	0.36	0.57	1.4	0.461	0.40
M677179		1.6	2.0	<0.002	0.01	0.30	0.4	1	<0.2	44.8	<0.05	<0.05	0.2	<0.005	<0.02
M677180		4.6	25.5	0.020	0.66	1.19	14.7	2	1.5	581	0.49	0.10	1.2	0.581	0.43



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CERTIFICATE OF ANALYSIS WH12192091

Sample Description	Method Analyte Units LOR	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
M677145		88	1.6	10.0	81	7.0
M677146		66	1.3	12.3	72	10.7
M677147		57	1.8	6.5	70	5.5
M677148		50	1.7	5.8	68	5.9
M677149		62	1.5	7.4	55	8.1
M677150		55	36.4	30.6	171	59.6
M677151		64	1.8	8.9	58	7.4
M677152		62	1.3	9.2	90	6.3
M677153		60	1.3	9.5	94	5.2
M677154		68	1.1	8.8	48	5.8
M677155		75	1.1	9.5	62	6.3
M677156		76	1.3	8.8	53	6.7
M677157		3	0.1	0.8	19	<0.5
M677158		72	1.2	9.4	50	7.7
M677159		67	2.2	11.8	55	11.1
M677160		72	2.2	10.5	76	6.5
M677161		85	1.7	7.6	71	6.6
M677162		88	1.7	7.9	73	6.8
M677163		84	3.8	11.2	86	7.7
M677164		76	2.0	7.3	49	6.5
M677165		73	2.1	8.3	73	7.0
M677166		64	2.1	8.7	45	6.9
M677167		23	1.5	7.1	39	11.9
M677168		53	35.2	28.5	159	54.3
M677169		22	2.3	6.2	18	12.4
M677170		23	2.5	7.3	30	13.2
M677171		22	2.4	6.8	31	12.0
M677172		22	1.8	6.8	55	11.0
M677173		23	1.7	6.6	59	11.3
M677174		80	1.1	9.6	42	7.5
M677175		61	2.5	10.3	51	6.1
M677176		84	1.3	9.4	43	5.7
M677177		86	1.2	9.0	39	6.6
M677178		134	3.4	11.9	46	6.0
M677179		1	0.1	1.1	17	<0.5
M677180		145	1.0	14.9	55	6.5



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Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10%on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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Project: Mint

P.O. No.: Batch 6

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18- AUG- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE

To: **SILVER RANGE RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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



ALS Canada Ltd.
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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

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Account: RANSIL

Project: Mint

CERTIFICATE OF ANALYSIS WH12193366

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677181		6.68	0.035	0.56	7.75	23.4	430	1.17	0.58	2.24	0.23	38.3	13.0	16	1.43	475
M677182		6.70	0.047	0.70	7.96	14.1	440	1.20	0.72	2.35	0.81	41.1	27.5	11	1.03	535
M677183		9.08	0.039	0.61	8.53	10.9	340	1.33	0.44	2.82	0.21	33.0	18.2	9	1.07	414
M677184		7.97	0.052	0.47	8.34	9.5	330	1.16	0.49	2.41	0.11	34.6	11.9	13	1.04	393
M677185		8.21	0.036	0.33	7.76	6.9	330	1.16	0.60	2.03	0.12	37.4	10.5	17	0.86	177.5
M677186		<0.02	0.033	0.35	7.89	10.5	340	1.17	0.59	2.11	0.13	38.5	11.7	17	0.86	181.0
M677187		8.20	0.044	0.38	7.98	7.8	390	1.25	0.59	2.25	0.17	38.1	13.8	16	0.79	270
M677188		4.59	0.032	0.44	7.91	4.2	350	1.15	0.51	2.13	0.29	37.0	12.3	13	0.99	357
M677189		3.05	0.041	0.56	7.85	6.5	310	1.19	0.69	2.53	0.16	36.1	16.4	14	1.36	236
M677190		4.41	0.035	0.38	7.63	5.1	340	0.99	0.72	2.41	0.13	35.8	15.5	15	1.26	275
M677191		3.56	0.074	0.33	7.76	7.2	370	1.05	1.09	2.46	0.19	33.8	16.2	15	1.78	169.5
M677192		6.76	0.054	0.28	7.44	5.1	300	1.07	0.84	2.10	0.06	37.0	11.7	16	1.23	203
M677193		0.10	0.586	8.10	5.14	8720	1290	1.79	215	13.85	1.3	464	81.2	43	11.50	3700
M677194		3.42	0.049	0.24	7.67	8.3	380	0.97	1.36	2.02	0.08	36.0	12.5	15	1.58	216
M677195		5.32	0.086	0.27	7.78	5.8	380	1.06	1.38	1.66	0.06	38.6	10.5	16	1.49	350
M677196		5.18	0.160	0.90	8.19	11.7	460	0.87	1.34	1.84	0.11	38.4	21.8	15	1.96	518
M677197		5.43	<0.005	0.01	0.07	<5	20	0.05	0.02	21.6	0.06	1.01	1.2	<1	0.11	2.9
M677198		7.95	0.089	0.49	7.62	12.3	430	0.94	0.93	2.32	0.19	27.1	17.1	17	1.40	515
M677199		3.93	0.103	0.45	7.60	7.2	390	0.91	0.73	2.38	0.06	32.8	18.0	20	1.18	596
M677200		8.32	0.103	0.59	7.50	6.9	450	0.87	0.72	2.23	0.08	28.1	35.8	16	1.15	818
M677201		8.32	0.031	0.21	7.69	4.3	410	0.88	0.79	2.02	0.04	27.1	14.7	17	1.19	253
M677202		0.10	1.240	22.1	4.12	9150	590	1.36	217	12.95	2.87	246	61.8	49	5.77	>10000
M677203		6.62	0.039	0.40	7.81	6.7	460	1.04	0.91	1.78	0.04	33.4	33.4	11	1.35	437
M677204		5.34	0.029	0.23	7.47	5.2	510	0.91	0.81	2.12	0.08	31.1	21.4	14	1.67	246
M677205		4.55	0.042	0.59	7.41	12.0	610	0.91	0.95	1.96	0.07	32.6	19.9	13	2.15	179.0
M677206		6.45	0.032	0.21	7.78	3.7	410	0.90	0.44	2.07	0.05	32.6	18.0	15	1.04	249
M677207		3.67	0.040	0.25	7.72	3.9	430	1.03	0.50	2.05	0.04	34.3	18.0	15	1.10	351
M677208		4.81	0.055	0.20	8.14	9.3	530	0.93	1.36	1.29	0.03	36.2	24.9	19	1.25	146.5
M677209		5.01	0.074	0.53	7.98	4.0	400	0.97	0.64	2.02	0.04	34.4	25.3	22	1.33	704
M677210		6.82	0.043	0.29	8.18	6.0	740	1.07	0.92	1.85	0.14	41.8	15.7	19	1.80	179.5
M677211		4.34	0.030	0.22	7.82	5.1	850	1.15	0.87	1.64	0.21	33.5	2.5	11	2.00	175.5
M677212		2.61	<0.005	0.01	0.08	<5	20	0.06	0.02	20.7	0.07	1.45	1.2	<1	0.34	4.6
M677213		7.05	0.033	0.21	7.90	11.2	400	1.18	0.92	1.30	0.13	33.0	13.0	10	2.31	68.6
M677214		7.28	0.015	0.07	8.57	33.7	660	1.04	0.08	5.71	0.12	39.5	23.2	10	3.68	51.5
M677215		5.52	0.068	0.42	8.35	20.0	880	1.21	0.74	1.92	0.13	36.3	10.6	18	2.77	538
M677216		3.45	0.068	0.37	8.10	12.4	340	1.15	0.81	2.21	0.08	34.5	14.5	29	1.51	496



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CERTIFICATE OF ANALYSIS WH12193366

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677181		3.36	18.85	0.09	0.2	0.043	1.15	18.8	5.5	1.18	220	10.25	3.29	6.1	18.8	1100
M677182		4.74	17.70	0.11	0.2	0.059	1.23	18.9	5.4	1.39	293	20.7	3.25	3.7	22.9	1120
M677183		3.85	21.6	0.08	0.2	0.046	1.25	15.0	5.7	1.53	263	17.15	3.48	5.8	22.9	1390
M677184		3.41	19.80	0.07	0.2	0.050	1.25	16.0	5.6	1.35	267	29.2	3.62	6.0	22.2	1330
M677185		2.99	18.05	0.08	0.2	0.039	0.99	17.8	5.1	1.16	222	15.60	3.62	5.6	17.2	1100
M677186		3.14	18.20	0.08	0.2	0.039	1.05	17.0	5.4	1.21	229	15.65	3.80	5.6	17.8	1140
M677187		3.16	19.40	0.08	0.2	0.041	1.12	17.9	5.7	1.26	223	16.90	3.60	6.0	19.8	1220
M677188		3.64	18.40	0.08	0.2	0.036	1.10	17.0	6.2	1.15	215	35.2	3.43	3.9	20.1	1220
M677189		3.58	18.75	0.08	0.2	0.056	1.13	17.4	6.5	1.12	415	36.6	3.43	4.8	19.5	1190
M677190		3.11	16.90	0.08	0.2	0.036	1.10	16.2	5.4	1.04	219	21.7	3.19	3.6	18.0	1070
M677191		3.76	17.30	0.08	0.2	0.035	1.31	15.9	5.3	0.93	203	8.33	2.97	3.1	17.3	1100
M677192		2.98	18.00	0.08	0.2	0.040	1.05	17.7	5.5	1.00	161	8.69	3.11	5.3	17.6	1100
M677193		9.60	20.9	0.34	1.9	2.02	2.04	275	42.9	1.45	2460	16.80	0.89	9.9	40.6	1010
M677194		3.74	17.10	0.09	0.2	0.033	1.56	18.3	4.6	1.16	193	9.73	2.64	4.6	18.0	1090
M677195		3.02	18.20	0.09	0.2	0.067	1.55	18.9	5.3	1.14	134	18.90	2.73	5.1	17.5	1110
M677196		4.62	18.10	0.10	0.2	0.047	2.01	19.8	4.2	1.13	177	34.2	2.48	3.0	18.4	1090
M677197		0.48	0.25	0.05	<0.1	<0.005	0.03	0.5	0.9	12.90	203	0.56	0.01	0.3	1.4	200
M677198		3.08	17.60	0.14	0.3	0.040	1.19	12.9	4.2	0.97	181	24.1	2.75	5.9	18.8	1110
M677199		3.16	18.55	0.14	0.2	0.036	0.98	15.2	4.8	1.11	165	11.60	2.87	4.8	22.3	1270
M677200		3.62	17.55	0.15	0.2	0.040	1.18	13.6	4.3	0.91	170	36.6	2.97	3.8	19.2	1080
M677201		2.72	17.55	0.13	0.2	0.028	0.94	13.2	4.4	0.86	131	11.25	3.03	5.4	16.3	1090
M677202		10.60	13.10	0.40	1.5	5.10	1.08	138.0	44.2	1.27	1740	13.35	1.12	7.3	67.3	770
M677203		2.74	16.40	0.12	0.2	0.039	1.41	17.0	4.9	1.16	171	23.3	3.14	4.1	19.4	1020
M677204		2.68	17.40	0.14	0.2	0.041	1.88	15.5	4.8	1.19	191	28.2	2.43	4.1	19.3	1000
M677205		2.97	16.75	0.16	0.3	0.036	2.19	16.7	4.6	1.09	340	8.22	1.93	4.5	19.3	870
M677206		2.37	17.40	0.14	0.3	0.017	0.94	16.3	4.7	0.91	137	9.58	3.22	5.1	18.1	1020
M677207		2.31	17.80	0.13	0.3	0.023	1.01	17.2	4.9	0.94	133	9.22	3.27	5.3	18.5	1040
M677208		3.56	17.10	0.15	0.2	0.029	1.96	18.6	4.4	0.97	100	10.10	2.20	4.0	22.0	1070
M677209		2.83	17.15	0.15	0.3	0.033	0.96	16.6	6.6	1.15	168	15.20	2.99	4.9	23.3	1100
M677210		3.16	17.90	0.17	0.3	0.032	1.49	21.5	8.6	0.84	216	6.59	2.35	4.6	19.6	980
M677211		2.51	14.75	0.10	0.7	0.030	1.79	16.7	10.0	0.80	281	1.93	2.27	4.1	12.4	590
M677212		0.47	0.28	0.10	<0.1	0.006	0.03	0.7	1.2	13.40	223	0.15	0.01	0.3	2.5	170
M677213		3.29	16.80	0.18	0.6	0.041	2.10	18.6	8.1	0.68	197	1.51	1.96	4.8	17.5	550
M677214		4.18	19.35	0.21	2.5	0.047	0.93	18.4	11.5	1.08	743	0.98	2.48	7.3	19.3	1390
M677215		2.32	19.35	0.17	0.6	0.034	1.63	19.9	8.7	0.86	232	4.66	2.72	5.0	20.2	790
M677216		2.97	18.40	0.17	0.3	0.027	0.80	16.5	9.0	1.32	166	13.80	3.39	5.5	25.1	1230



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CERTIFICATE OF ANALYSIS WH12193366

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.1
M677181		14.2	28.7	0.011	1.97	1.04	7.0	2	1.5	503	0.43	0.27	1.7	0.243	0.4
M677182		49.5	30.5	0.018	3.71	10.05	9.0	3	1.8	497	0.24	0.42	1.5	0.248	0.8
M677183		13.7	26.1	0.019	1.97	3.60	10.6	2	2.0	571	0.40	0.24	1.3	0.407	0.4
M677184		8.0	30.8	0.033	1.26	0.56	7.7	1	1.6	511	0.40	0.26	1.6	0.354	0.4
M677185		14.6	27.0	0.018	1.58	4.35	6.5	1	1.3	462	0.38	0.31	1.7	0.236	0.4
M677186		11.0	25.7	0.018	1.70	2.62	6.7	1	1.3	482	0.39	0.28	1.7	0.246	0.4
M677187		9.7	27.0	0.019	1.84	0.51	7.4	1	1.2	520	0.40	0.37	1.6	0.275	0.4
M677188		15.0	26.8	0.049	2.53	2.61	7.6	2	1.4	492	0.29	0.33	1.5	0.224	0.4
M677189		11.9	25.4	0.066	2.18	2.85	6.9	1	1.3	511	0.36	0.38	1.3	0.277	0.3
M677190		7.0	25.1	0.031	2.40	0.53	6.2	2	1.1	456	0.28	0.30	1.5	0.189	0.4
M677191		14.2	30.1	0.008	3.27	2.75	6.4	2	1.3	442	0.26	0.46	1.6	0.181	0.4
M677192		7.0	23.1	0.011	1.97	1.58	6.4	1	1.3	494	0.38	0.34	1.6	0.237	0.4
M677193		37.8	133.5	0.004	1.37	37.1	8.6	6	122.0	260	0.67	1.05	11.4	0.246	13.1
M677194		7.0	42.6	0.008	3.47	0.79	6.4	3	1.5	394	0.33	0.42	1.6	0.187	0.4
M677195		7.7	41.0	0.028	2.81	1.82	6.3	2	1.7	416	0.39	0.44	1.7	0.216	0.5
M677196		11.8	48.6	0.060	4.55	1.32	6.3	4	2.4	328	0.23	1.03	1.7	0.158	0.5
M677197		1.5	1.0	<0.002	0.04	0.05	0.2	1	<0.2	45.4	<0.05	<0.05	0.2	<0.005	0.8
M677198		8.8	27.1	0.033	2.22	1.41	6.6	3	1.3	486	0.41	0.40	1.4	0.213	0.4
M677199		4.6	21.5	0.019	2.58	1.08	8.5	3	1.3	504	0.33	0.31	1.6	0.225	0.5
M677200		5.3	28.7	0.034	3.42	0.57	6.7	4	1.4	466	0.26	0.39	1.6	0.181	0.4
M677201		5.1	22.1	0.015	2.38	1.27	5.9	3	1.0	519	0.37	0.34	1.6	0.206	0.4
M677202		29.7	65.2	0.007	2.34	32.9	6.5	12	94.2	236	0.56	1.70	8.8	0.193	10.2
M677203		5.1	39.1	0.030	2.53	1.18	6.6	4	1.7	393	0.33	0.31	2.1	0.189	0.6
M677204		5.6	48.3	0.060	2.56	0.53	6.3	4	1.8	325	0.33	0.32	1.8	0.181	0.4
M677205		7.2	63.7	0.017	2.90	11.45	6.1	3	1.7	228	0.38	0.46	2.0	0.169	0.6
M677206		4.7	25.6	0.015	2.05	0.93	6.4	2	1.1	512	0.42	0.26	1.9	0.204	0.5
M677207		4.1	28.5	0.013	2.06	0.41	6.5	3	1.3	511	0.44	0.25	1.9	0.213	0.5
M677208		5.0	50.7	0.012	3.67	1.06	7.3	4	1.7	268	0.33	0.72	2.2	0.172	0.6
M677209		6.2	28.1	0.017	2.60	0.83	7.8	3	1.2	480	0.39	0.30	1.8	0.204	0.6
M677210		12.0	39.7	0.005	3.12	1.03	7.0	3	1.2	389	0.37	0.44	2.3	0.167	0.7
M677211		11.2	47.1	<0.002	2.39	1.12	4.4	2	1.0	333	0.43	0.41	3.3	0.129	1.0
M677212		1.3	2.4	<0.002	<0.01	0.09	0.3	1	<0.2	42.5	<0.05	<0.05	<0.2	<0.005	0.4
M677213		10.7	56.9	<0.002	3.24	0.98	5.5	3	1.1	297	0.44	0.54	3.4	0.124	1.0
M677214		8.3	14.2	<0.002	0.95	2.91	15.6	2	0.8	867	0.45	0.10	3.0	0.582	1.0
M677215		6.6	40.8	0.007	2.14	2.40	6.7	2	1.0	447	0.43	0.42	2.9	0.155	0.8
M677216		4.8	19.0	0.023	2.71	1.16	8.8	3	1.2	546	0.42	0.35	1.9	0.238	0.5



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Sample Description	Method Analyte Units LOR	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	Cu-OG62 Cu % 0.001
M677181		68	1.6	8.6	49	5.8	
M677182		85	1.9	12.6	87	5.0	
M677183		110	1.7	11.6	52	6.1	
M677184		90	1.1	9.9	48	5.5	
M677185		66	1.0	8.5	42	6.2	
M677186		70	1.0	8.5	43	6.4	
M677187		77	1.0	9.4	49	6.3	
M677188		77	1.0	9.4	52	4.7	
M677189		80	1.1	8.9	51	5.3	
M677190		66	1.5	8.2	36	4.7	
M677191		65	2.0	7.8	34	4.6	
M677192		69	2.2	7.4	30	5.2	
M677193		56	38.3	32.8	180	144.5	
M677194		64	3.2	8.9	28	5.2	
M677195		67	3.8	8.1	22	6.7	
M677196		69	4.6	8.0	25	4.9	
M677197		3	0.1	0.7	16	<0.5	
M677198		70	2.2	6.5	39	9.6	
M677199		82	1.7	7.1	23	8.1	
M677200		71	3.2	6.4	23	5.9	
M677201		65	1.6	6.1	19	7.9	
M677202		46	276	27.7	300	52.7	1.280
M677203		66	2.5	9.1	21	9.0	
M677204		63	2.1	8.4	24	8.7	
M677205		57	2.4	7.8	20	10.2	
M677206		62	1.9	7.2	14	9.6	
M677207		62	2.0	7.5	14	10.1	
M677208		65	3.2	8.5	12	8.2	
M677209		70	2.5	8.5	18	9.4	
M677210		62	2.9	9.2	30	11.3	
M677211		42	2.6	7.3	39	21.0	
M677212		3	0.1	0.9	18	<0.5	
M677213		41	2.3	8.4	25	23.6	
M677214		158	0.4	14.8	66	108.0	
M677215		54	1.9	9.2	32	22.1	
M677216		78	2.8	9.0	22	12.4	



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Project: Mint

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 4- SEP- 2012
Account: RANSIL

CERTIFICATE OF ANALYSIS WH12193366

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10%on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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Page: 1
Finalized Date: 6- SEP- 2012
Account: RANSIL

CERTIFICATE WH12194657

Project: Mint

P.O. No.: Batch 7

This report is for 23 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- AUG- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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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Project: Mint

CERTIFICATE OF ANALYSIS WH12194657

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677217		4.33	0.034	0.12	7.75	7.1	1080	1.13	0.53	1.50	0.03	40.0	8.5	12	1.84	83.2
M677218		4.45	0.025	0.23	7.50	7.1	1000	1.14	0.71	0.85	0.12	38.5	9.4	12	1.68	96.5
M677219		5.98	0.035	0.19	7.50	5.3	650	1.12	0.89	0.96	0.06	35.6	8.1	11	1.91	111.0
M677220		2.74	<0.005	0.01	0.13	<5	40	0.07	<0.01	20.0	0.06	1.36	0.8	<1	0.44	1.4
M677221		8.30	0.020	0.20	7.31	3.0	920	1.08	0.63	1.39	0.07	31.5	4.0	11	1.67	105.0
M677222		4.32	0.019	0.29	7.28	5.0	630	1.12	0.67	1.60	0.16	30.1	2.9	11	1.87	76.7
M677223		3.89	0.074	0.60	7.84	5.8	460	1.11	0.56	1.90	0.12	49.7	12.7	21	2.52	633
M677224		4.32	0.147	1.33	7.49	51.2	730	0.88	0.60	1.84	0.56	40.4	13.7	22	5.45	291
M677225		0.09	1.180	22.9	4.10	8840	600	1.57	234	13.20	3.03	226	71.2	46	5.36	>10000
M677226		3.72	0.052	0.44	7.48	38.3	520	0.90	0.82	2.12	0.23	38.6	29.2	25	1.44	210
M677227		4.60	0.048	0.59	7.88	23.0	480	0.93	0.83	1.38	0.16	44.4	19.8	18	1.54	483
M677228		2.69	0.039	0.34	7.82	33.0	550	0.88	0.85	0.96	0.15	40.2	14.7	16	1.82	140.5
M677229		3.09	0.033	0.79	7.44	23.7	570	0.94	0.81	2.01	4.21	34.7	12.0	15	3.22	284
M677230		5.56	0.072	0.60	7.11	22.7	380	1.00	1.72	2.28	0.38	27.7	11.3	11	2.92	188.0
M677231		3.70	0.151	0.86	7.09	27.5	370	0.90	2.26	2.12	0.06	27.6	9.4	12	3.66	343
M677232		2.00	0.134	0.52	7.03	24.5	480	0.85	2.37	2.09	0.08	27.2	10.0	12	3.50	322
M677233		3.18	0.121	0.39	7.00	28.2	500	0.83	1.21	2.02	0.05	27.1	9.3	12	4.02	224
M677234		7.12	0.118	0.40	6.87	18.7	580	0.90	1.61	2.08	0.05	25.4	8.9	12	3.67	271
M677235		7.61	0.115	0.61	7.04	20.5	640	0.90	1.71	2.01	0.19	27.7	8.9	13	4.31	401
M677236		2.71	0.168	0.79	7.14	32.7	660	0.88	1.22	1.38	2.08	29.4	8.2	13	2.93	209
M677237		6.12	0.121	0.58	7.18	18.9	790	0.88	0.90	1.79	0.30	31.1	8.6	12	3.50	232
M677238		<0.02	0.127	0.57	7.15	19.5	820	0.82	0.90	1.80	0.26	31.4	8.7	13	3.49	242
M677239		7.63	0.043	0.34	7.12	13.3	720	0.89	1.59	2.07	0.14	28.3	10.2	18	3.90	237



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Finalized Date: 6- SEP- 2012
Account: RANSIL

Project: Mint

CERTIFICATE OF ANALYSIS WH12194657

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677217		1.94	16.55	0.12	0.8	0.035	1.95	20.9	6.8	0.64	137	2.46	2.48	4.4	14.7	630
M677218		2.32	16.10	0.13	0.7	0.062	2.23	21.5	6.1	0.64	137	3.65	2.09	4.1	14.5	580
M677219		2.75	15.50	0.12	0.8	0.065	2.05	19.0	5.7	0.65	151	1.90	2.16	4.5	14.2	590
M677220		0.45	0.36	0.12	<0.1	0.005	0.06	0.6	1.8	12.80	196	0.22	0.01	0.2	2.6	190
M677221		2.48	16.15	0.14	0.7	0.035	1.75	16.6	7.6	0.74	221	1.33	2.43	4.3	13.4	570
M677222		2.86	16.65	0.13	0.7	0.059	2.59	15.8	7.5	0.89	327	2.07	1.28	4.4	14.4	570
M677223		2.58	16.65	0.19	0.3	0.041	1.51	23.3	7.2	1.09	286	7.92	2.44	4.7	21.9	1120
M677224		2.68	17.00	0.16	0.3	0.024	1.75	18.5	13.9	0.91	488	5.18	1.94	4.9	24.0	1130
M677225		10.70	13.45	0.26	1.5	4.66	1.05	138.5	43.0	1.28	1760	14.15	1.12	7.2	74.0	790
M677226		4.64	18.00	0.13	0.2	0.036	1.80	17.4	8.0	1.16	348	5.45	2.24	3.2	29.3	1200
M677227		3.14	17.40	0.14	0.2	0.046	1.66	22.0	7.9	0.85	188	8.76	2.36	4.0	21.4	1130
M677228		3.80	18.40	0.14	0.2	0.050	2.54	19.6	8.6	0.68	159	19.20	1.83	3.3	23.7	1090
M677229		3.30	17.35	0.13	0.2	0.062	2.47	15.9	8.3	0.95	454	19.80	1.50	3.6	24.7	1030
M677230		4.28	16.50	0.14	0.7	0.030	2.77	12.7	6.4	1.17	475	2.29	0.65	4.5	15.1	870
M677231		3.73	16.70	0.14	0.8	0.037	2.47	13.1	6.9	1.06	337	3.84	0.98	4.8	12.5	800
M677232		3.82	16.65	0.11	0.8	0.030	2.47	13.5	7.1	1.07	319	4.34	0.87	4.7	12.9	780
M677233		3.42	16.55	0.13	0.9	0.026	2.47	13.2	6.2	1.04	335	2.57	0.97	5.0	12.8	740
M677234		3.00	16.20	0.11	0.9	0.024	2.37	12.6	5.2	1.01	331	1.88	1.28	5.3	12.1	740
M677235		3.04	16.85	0.12	1.0	0.036	2.84	13.5	5.7	1.05	601	2.24	0.73	5.4	13.9	690
M677236		3.20	16.80	0.13	0.9	0.048	3.24	15.1	6.7	0.89	751	2.16	0.19	4.9	14.7	660
M677237		3.50	16.40	0.14	1.0	0.043	3.14	15.7	5.4	1.10	423	2.51	0.35	4.2	15.0	700
M677238		3.50	16.70	0.15	0.9	0.036	3.15	15.9	5.4	1.10	427	2.60	0.35	4.4	15.7	680
M677239		3.04	16.85	0.13	0.8	0.022	2.23	13.9	7.2	1.01	308	6.72	1.43	5.5	23.1	720



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Project: Mint

CERTIFICATE OF ANALYSIS WH12194657

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Pb ppm 0.1	ME- MS61 Fe 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 Tl ppm 0.02	ME- MS61 U ppm 0.1
M677217		5.6	42.4	<0.002	1.99	1.13	4.3	2	0.9	349	0.41	0.39	3.1	0.116	0.54	0.9
M677218		20.4	56.1	0.003	2.35	1.75	4.3	3	1.1	257	0.38	0.47	3.1	0.109	0.58	1.0
M677219		6.6	55.0	<0.002	2.89	1.17	4.3	2	0.9	294	0.41	0.56	3.0	0.112	0.62	0.9
M677220		1.4	3.2	0.002	0.01	0.10	0.3	2	0.2	42.7	<0.05	<0.05	<0.2	0.005	0.03	0.5
M677221		7.7	46.5	<0.002	2.51	0.76	4.1	3	0.9	333	0.39	0.54	2.9	0.111	0.56	0.9
M677222		10.4	71.1	<0.002	2.68	1.94	4.3	2	1.1	171.5	0.40	0.55	2.7	0.115	0.75	0.9
M677223		8.1	43.2	0.008	2.42	1.70	7.3	3	1.5	336	0.37	0.36	1.8	0.221	0.49	0.5
M677224		49.3	57.4	0.007	2.43	31.0	7.1	3	1.2	273	0.38	0.37	1.7	0.217	0.62	0.4
M677225		28.4	63.3	0.007	2.51	30.5	6.1	12	84.2	239	0.54	1.55	7.6	0.194	0.93	8.7
M677226		17.0	45.5	0.006	4.82	3.26	7.3	6	1.4	307	0.25	0.80	1.4	0.167	0.51	0.4
M677227		15.0	52.5	0.011	3.13	3.08	6.9	2	1.6	316	0.30	0.56	2.0	0.190	0.50	0.6
M677228		12.9	77.7	0.007	4.00	1.79	6.7	3	1.7	181.0	0.26	0.65	1.9	0.162	0.58	0.5
M677229		75.2	65.2	0.011	3.20	6.14	6.0	3	1.5	207	0.29	0.48	1.7	0.164	0.74	0.4
M677230		50.1	61.9	0.002	4.17	6.94	6.9	4	1.7	128.0	0.38	1.20	1.9	0.205	0.90	0.8
M677231		10.8	63.3	<0.002	3.88	12.60	6.5	2	1.6	197.0	0.43	1.02	2.4	0.200	0.84	0.9
M677232		8.5	65.6	<0.002	3.95	8.77	6.6	3	1.6	180.5	0.40	1.10	2.4	0.195	0.81	0.9
M677233		7.9	75.1	<0.002	3.54	10.40	6.3	2	1.2	199.0	0.44	0.63	2.6	0.187	0.94	1.0
M677234		8.3	58.0	<0.002	3.09	7.23	5.8	2	1.2	264	0.48	0.85	2.4	0.199	0.83	0.9
M677235		15.0	74.8	0.002	3.07	3.77	6.0	3	1.4	143.0	0.47	1.05	2.8	0.185	1.01	1.1
M677236		39.0	92.7	0.002	3.31	8.90	6.0	3	2.2	52.4	0.44	0.64	3.3	0.175	0.91	1.3
M677237		25.4	93.3	<0.002	3.55	4.72	5.8	4	1.9	71.4	0.38	0.49	3.1	0.160	0.99	1.2
M677238		24.8	96.9	0.002	3.52	4.86	6.1	4	1.9	71.5	0.37	0.45	3.1	0.165	1.01	1.2
M677239		11.1	60.1	0.014	3.09	2.65	6.0	4	1.6	313	0.47	1.20	2.5	0.217	0.78	1.0



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Project: Mint

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 Finalized Date: 6- SEP- 2012
 Account: RANSIL

CERTIFICATE OF ANALYSIS WH12194657

Sample Description	Method Analyte Units LOR	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	Cu- OG62 Cu % 0.001
M677217		41	2.3	8.4	9	24.6	
M677218		41	3.1	8.2	17	23.7	
M677219		42	2.6	8.4	12	22.4	
M677220		6	0.2	0.8	18	<0.5	
M677221		40	2.4	7.6	15	22.9	
M677222		42	3.2	8.6	39	18.8	
M677223		76	4.7	8.8	21	9.8	
M677224		73	3.3	8.2	73	9.3	
M677225		48	278	25.3	312	47.2	1.265
M677226		76	2.6	8.0	40	5.5	
M677227		70	3.8	8.2	23	6.1	
M677228		70	3.6	7.4	17	5.8	
M677229		64	3.7	7.9	565	6.0	
M677230		77	6.1	9.3	75	21.0	
M677231		70	5.7	8.8	18	25.8	
M677232		71	5.9	9.0	17	25.3	
M677233		64	4.0	8.7	14	30.7	
M677234		65	3.3	8.1	24	28.6	
M677235		61	5.4	8.2	39	29.1	
M677236		59	7.2	7.8	241	28.8	
M677237		60	7.5	8.7	38	27.6	
M677238		59	7.5	8.6	35	28.4	
M677239		64	8.6	7.7	33	26.8	



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CERTIFICATE OF ANALYSIS WH12194657

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10%on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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CERTIFICATE WH12195454

Project: Mint
P.O. No.: Batch 8
This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 20- AUG- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
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

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

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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Plus Appendix Pages
Finalized Date: 6- SEP- 2012
Account: RANSIL

Project: Mint

CERTIFICATE OF ANALYSIS WH12195454

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677240		2.37	1.055	19.25	8.52	21.9	170	0.80	3.80	1.98	60.2	10.05	16.4	56	2.02	592
M677241		3.65	0.090	0.65	8.27	19.8	160	1.16	0.74	2.10	12.45	19.15	24.0	38	1.23	31.4
M677242		3.22	0.038	0.31	7.94	11.9	260	0.93	0.50	1.46	3.62	10.45	15.8	21	1.47	37.6
M677243		6.54	0.055	0.53	7.78	14.2	240	0.87	0.74	2.16	3.71	16.45	21.2	45	1.57	33.8
M677244		5.02	0.077	0.47	8.48	22.5	660	1.00	0.53	0.75	1.18	29.8	10.7	23	1.65	182.0
M677245		3.18	0.087	0.43	8.52	13.4	320	1.03	1.15	1.39	6.80	20.8	30.5	59	1.79	103.5
M677246		0.09	1.205	21.4	4.44	9870	640	1.45	288	14.35	2.88	260	69.5	53	5.83	>10000
M677247		5.42	0.030	0.33	8.17	11.0	310	0.90	1.21	1.27	4.53	20.2	18.9	51	1.70	30.0
M677248		3.57	0.017	0.34	7.86	13.0	340	0.91	1.17	1.11	2.73	23.1	14.4	36	1.94	20.3
M677249		5.57	0.037	0.33	7.98	20.7	560	0.90	0.79	1.62	1.93	32.5	21.7	53	1.52	19.9
M677250		3.85	<0.005	0.01	0.07	<5	20	0.08	0.03	21.2	0.07	1.19	1.1	<1	0.36	2.7
M677251		2.88	0.267	1.82	7.77	54.9	660	1.02	1.70	2.46	6.01	26.5	16.1	33	4.46	29.0
M677252		4.74	0.081	1.00	7.95	19.0	760	1.01	1.50	1.97	4.04	30.1	14.2	42	1.74	169.5
M677253		4.16	0.034	0.26	7.98	12.6	790	1.03	0.32	1.92	3.22	27.8	14.3	62	1.25	70.1
M677254		2.29	0.593	11.45	6.90	57.3	130	1.18	14.80	4.61	140.5	30.8	12.4	51	7.25	188.0
M677255		0.09	0.789	6.77	5.22	8540	1280	1.41	218	13.15	1.13	493	75.2	51	10.25	3610
M677256		4.14	0.997	14.30	8.96	42.0	270	1.13	5.23	3.14	21.8	25.2	15.9	67	5.13	43.4
M677257		3.51	1.680	15.85	7.61	58.4	210	1.28	3.24	3.53	11.95	25.6	13.7	61	6.75	26.9
M677258		4.35	0.126	1.41	7.83	34.1	180	0.87	2.20	1.71	1.96	34.9	15.4	57	1.76	22.6
M677259		5.05	0.036	0.31	7.17	17.2	530	0.81	0.64	2.01	0.76	23.4	15.5	56	1.24	28.3
M677260		5.62	0.056	0.52	7.27	20.1	770	0.95	1.10	1.68	1.71	27.5	16.5	58	1.51	104.0
M677261		4.29	0.226	1.55	6.85	25.2	1170	0.86	1.93	1.76	1.13	17.10	13.5	57	1.99	37.6
M677262		2.27	0.326	2.02	7.15	21.6	1130	0.94	1.66	1.71	1.18	17.75	11.6	59	2.04	30.4
M677263		6.92	0.074	0.59	7.21	20.8	750	0.89	1.05	2.31	1.90	26.1	16.0	63	1.21	34.4
M677264		8.12	0.133	0.92	7.29	42.3	1540	1.03	0.84	2.93	2.81	26.0	17.5	59	1.30	57.5
M677265		8.05	0.107	0.51	7.13	51.5	1690	0.92	0.55	3.17	0.98	27.3	18.0	77	1.18	71.6
M677266		2.20	0.315	2.78	7.43	68.5	930	0.97	1.86	1.70	0.31	19.95	16.5	57	3.11	138.5
M677267		5.21	0.149	1.14	7.76	46.5	590	0.71	2.65	1.47	0.45	32.5	25.9	131	1.17	131.5
M677268		<0.02	0.152	1.13	7.69	43.7	610	0.77	2.61	1.43	0.38	32.0	25.2	128	1.17	129.0
M677269		4.89	0.071	0.39	7.09	10.7	1010	0.96	0.67	1.79	1.53	13.80	8.9	26	2.02	68.7
M677270		5.61	0.058	0.38	7.40	8.9	1080	1.00	0.70	1.85	3.13	17.95	10.1	26	1.80	140.5
M677271		6.25	0.030	0.42	7.67	7.1	960	0.84	1.04	2.28	0.51	17.95	9.3	24	1.62	32.7
M677272		7.53	0.034	0.27	7.59	5.6	1030	0.96	0.77	2.37	0.39	17.30	7.5	27	1.48	45.8
M677273		2.87	<0.005	0.01	0.07	<5	20	0.05	0.03	21.0	0.06	1.01	0.6	<1	0.25	1.4
M677274		8.12	0.033	0.39	7.69	5.9	1020	0.92	0.59	2.43	0.89	18.10	6.5	26	1.29	61.3
M677275		7.84	0.031	0.37	7.85	8.0	970	0.90	0.31	2.27	0.68	18.70	7.4	28	1.36	99.9



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Project: Mint

CERTIFICATE OF ANALYSIS WH12195454

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677240		4.66	15.20	0.15	0.3	0.389	1.94	4.4	11.1	1.03	406	1.86	1.95	5.8	43.5	480
M677241		3.83	16.45	0.14	0.2	0.198	1.86	7.7	16.8	1.35	2100	1.31	2.18	5.8	78.6	1130
M677242		4.21	15.05	0.15	0.3	0.234	2.36	4.0	9.8	0.95	1190	2.45	1.63	5.3	41.1	970
M677243		5.12	15.95	0.17	0.2	0.213	2.17	7.1	10.9	1.64	1820	2.20	1.85	5.5	52.3	890
M677244		3.89	18.55	0.16	0.2	0.108	1.63	14.3	7.5	1.67	1000	1.14	3.15	6.5	31.4	1020
M677245		5.26	18.25	0.19	0.3	0.288	2.40	9.2	11.4	1.94	1220	2.00	1.77	5.5	81.2	980
M677246		11.55	14.00	0.46	1.7	5.09	1.15	157.5	41.2	1.34	1900	13.25	1.22	8.4	72.6	830
M677247		5.03	16.90	0.16	0.3	0.491	2.85	9.0	9.4	1.74	1560	0.74	1.00	5.4	67.9	920
M677248		5.12	16.65	0.17	0.3	0.363	2.64	10.7	8.3	1.64	936	0.86	1.33	6.0	34.5	960
M677249		4.31	17.70	0.15	0.4	0.202	1.71	16.2	11.3	2.00	1720	0.77	2.53	7.3	49.2	860
M677250		0.48	0.29	0.06	<0.1	0.006	0.03	0.6	1.2	13.20	206	0.25	0.01	0.3	2.6	180
M677251		6.92	16.35	0.19	0.4	0.576	2.76	12.5	7.8	1.27	1540	1.57	0.98	6.5	32.9	890
M677252		4.68	17.50	0.16	0.4	0.374	1.78	15.2	9.6	1.94	1960	1.20	2.28	6.9	43.6	890
M677253		4.15	17.60	0.14	0.5	0.223	1.73	13.8	9.6	2.13	1660	0.75	2.28	7.2	55.3	850
M677254		7.23	18.80	0.21	0.4	3.13	2.57	14.2	11.4	2.20	3300	3.52	0.91	8.0	47.6	1040
M677255		9.50	19.45	0.57	1.9	1.960	2.02	274	38.8	1.47	2590	15.55	0.87	9.8	38.9	990
M677256		7.59	22.4	0.20	0.5	1.025	3.34	11.2	13.1	1.95	2330	8.19	0.98	8.5	57.9	950
M677257		6.11	21.0	0.19	0.5	0.548	3.03	12.1	9.3	1.71	2720	2.55	0.70	8.2	52.9	750
M677258		7.42	17.90	0.22	0.5	0.462	2.22	17.4	12.0	1.90	1680	1.39	1.74	7.8	51.5	830
M677259		4.20	16.55	0.21	0.4	0.249	1.80	11.6	14.9	1.78	1840	0.66	2.01	7.7	48.9	780
M677260		4.62	17.00	0.21	0.5	0.293	2.02	14.3	10.9	1.81	1340	1.90	1.72	7.6	50.1	780
M677261		7.46	20.7	0.22	0.4	0.203	2.28	8.2	9.4	1.39	1100	18.50	0.89	7.3	44.5	690
M677262		6.05	20.7	0.19	0.5	0.186	2.34	8.5	10.8	1.43	1070	10.05	0.92	7.6	43.2	730
M677263		3.91	18.45	0.19	0.4	0.188	1.40	12.7	10.1	1.76	1520	6.66	2.62	8.0	49.8	790
M677264		3.83	16.75	0.22	0.6	0.193	1.37	13.3	8.5	1.77	1440	1.64	2.37	7.9	52.6	790
M677265		4.21	16.05	0.21	0.4	0.128	1.37	13.4	9.2	2.04	1520	0.89	2.22	8.2	57.8	1100
M677266		4.56	16.30	0.22	0.2	0.233	2.38	9.1	13.2	1.22	567	1.80	1.24	6.4	72.4	970
M677267		7.71	19.05	0.23	1.2	0.364	2.20	16.1	15.3	2.27	1340	25.1	1.16	8.4	92.1	1260
M677268		7.62	18.75	0.20	1.2	0.359	2.18	15.9	15.0	2.25	1320	25.8	1.14	8.2	90.7	1230
M677269		2.44	15.40	0.19	0.9	0.238	2.32	7.6	7.9	1.03	680	1.00	1.84	4.8	21.9	440
M677270		2.52	16.90	0.07	1.0	0.256	2.14	9.8	7.7	1.04	758	1.69	2.16	4.7	23.9	470
M677271		2.20	16.10	0.09	1.1	0.095	1.93	10.0	5.1	0.85	595	1.79	2.49	4.5	19.5	430
M677272		2.44	16.30	0.06	1.0	0.059	1.89	9.7	5.4	0.86	647	1.60	2.48	4.6	21.0	450
M677273		0.47	0.23	0.07	<0.1	<0.005	0.03	0.5	1.2	13.60	202	0.13	0.01	0.2	1.6	240
M677274		2.48	15.90	0.09	1.0	0.104	1.86	9.8	7.2	0.88	668	1.62	2.48	4.6	21.7	460
M677275		2.53	16.25	0.06	1.1	0.091	1.97	10.2	5.5	0.94	723	1.61	2.51	4.7	22.5	490



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CERTIFICATE OF ANALYSIS WH12195454

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.1
M677240		>10000	50.1	0.007	7.69	11.00	11.4	6	1.3	133.5	0.41	8.45	1.0	0.358	0.4
M677241		314	41.6	0.003	4.74	1.47	10.5	2	1.1	146.0	0.43	0.54	0.9	0.352	0.4
M677242		57.0	59.6	<0.002	4.99	1.20	10.0	2	1.3	103.5	0.40	0.39	0.8	0.336	0.4
M677243		149.5	51.3	0.002	5.01	1.52	10.0	3	1.1	141.5	0.40	0.49	1.0	0.325	0.4
M677244		28.8	45.8	<0.002	2.42	1.79	11.7	2	1.0	272	0.46	0.38	1.0	0.433	0.5
M677245		40.1	54.2	<0.002	5.01	1.23	12.0	3	1.1	155.0	0.37	0.40	1.0	0.364	0.4
M677246		30.3	68.7	0.007	2.78	33.2	6.8	13	97.7	252	0.60	1.73	8.9	0.214	10.2
M677247		28.5	70.1	<0.002	4.63	1.25	9.8	2	1.1	80.9	0.38	0.34	1.1	0.321	0.4
M677248		19.7	65.8	0.002	4.64	1.38	9.4	2	1.2	116.0	0.44	0.34	1.1	0.332	0.4
M677249		21.1	44.7	<0.002	3.01	1.46	11.4	2	1.1	206	0.56	0.38	1.8	0.381	0.4
M677250		3.3	2.2	<0.002	0.01	<0.05	0.2	1	0.2	47.8	<0.05	<0.05	<0.2	<0.005	0.7
M677251		43.8	75.1	<0.002	6.41	2.27	8.6	3	1.2	127.5	0.52	1.56	1.9	0.322	0.4
M677252		150.0	45.0	<0.002	3.21	1.99	9.9	2	1.0	235	0.52	0.79	1.7	0.380	0.4
M677253		15.6	40.3	<0.002	1.81	2.22	11.5	1	0.9	302	0.58	0.25	1.7	0.384	0.4
M677254		646	50.6	<0.002	7.26	2.20	10.3	4	1.5	112.5	0.63	4.03	1.5	0.399	0.5
M677255		34.8	131.5	0.003	1.44	33.4	8.3	7	111.5	254	0.72	0.94	10.6	0.257	13.9
M677256		349	68.6	0.014	7.33	1.93	12.5	4	1.4	104.0	0.68	8.37	1.8	0.452	0.4
M677257		153.0	49.9	0.003	5.77	5.05	11.1	3	1.1	96.4	0.65	9.93	1.3	0.418	0.5
M677258		109.5	47.3	0.002	6.85	1.81	11.6	2	1.1	124.0	0.61	1.16	1.7	0.393	0.5
M677259		32.0	36.8	0.003	2.74	1.55	10.6	2	1.0	170.0	0.53	0.59	1.7	0.359	0.4
M677260		16.4	45.8	0.012	3.14	2.32	11.1	2	1.1	161.5	0.53	0.67	1.8	0.353	0.5
M677261		85.5	57.1	0.141	7.23	2.81	10.4	3	2.9	98.8	0.48	1.57	1.8	0.340	0.6
M677262		73.0	60.9	0.085	5.59	2.59	11.0	2	2.9	101.5	0.51	1.86	1.9	0.357	0.6
M677263		21.3	32.5	0.082	2.22	1.75	11.0	2	1.1	306	0.52	0.62	1.6	0.376	0.4
M677264		71.1	26.7	0.008	1.56	2.46	11.3	1	0.9	425	0.53	0.66	1.7	0.367	0.5
M677265		14.9	26.2	<0.002	1.88	2.81	11.3	1	1.0	423	0.49	0.51	1.4	0.394	0.4
M677266		27.9	53.7	0.006	2.39	2.56	11.0	2	1.4	269	0.40	1.71	1.0	0.370	0.5
M677267		34.1	62.2	0.002	4.95	1.60	13.8	2	2.3	144.0	0.46	1.01	1.5	0.464	0.6
M677268		33.6	61.2	0.003	4.83	1.54	13.6	2	2.3	141.0	0.44	1.03	1.5	0.457	0.7
M677269		14.8	54.7	<0.002	1.01	0.73	5.6	1	0.8	215	0.38	0.37	1.8	0.182	0.6
M677270		18.0	43.1	0.002	0.74	0.90	6.0	2	0.7	275	0.35	0.33	2.0	0.205	0.6
M677271		21.1	37.3	0.003	0.60	0.73	4.7	1	0.5	367	0.34	0.51	1.9	0.186	0.6
M677272		11.5	32.8	0.002	0.53	0.68	5.1	2	0.6	368	0.35	0.42	1.8	0.198	0.6
M677273		1.5	1.4	<0.002	0.01	<0.05	0.2	1	<0.2	50.0	<0.05	<0.05	<0.2	<0.005	0.6
M677274		11.1	31.2	<0.002	0.60	0.71	5.1	1	0.6	360	0.35	0.37	1.9	0.200	0.6
M677275		15.7	36.0	<0.002	0.62	1.08	5.5	2	0.6	337	0.39	0.20	2.0	0.210	0.6



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CERTIFICATE OF ANALYSIS WH12195454

Sample Description	Method Analyte Units LOR	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	Cu- OG62 Cu % 0.001	Pb- OG62 Pb % 0.001	Zn- OG62 Zn % 0.001
M677240		83	3.5	4.4	9870	7.4		1.425	
M677241		91	3.6	15.0	1430	5.4			
M677242		84	4.1	11.7	403	7.2			
M677243		86	3.5	14.3	653	7.3			
M677244		97	3.4	10.5	207	6.2			
M677245		103	4.3	12.3	458	8.0			
M677246		50	290	28.1	337	56.4	1.260		
M677247		86	4.6	12.6	533	7.0			
M677248		81	4.4	9.2	475	9.6			
M677249		97	3.0	11.4	393	9.6			
M677250		2	0.2	0.9	16	<0.5			
M677251		79	3.9	14.3	890	15.7			
M677252		89	2.3	12.0	537	12.4			
M677253		99	1.5	10.6	687	14.2			
M677254		96	3.8	10.7	>10000	11.5			2.24
M677255		60	32.0	33.0	182	65.1			
M677256		119	3.9	10.7	3310	15.2			
M677257		111	3.8	8.8	1570	15.5			
M677258		91	3.9	9.9	393	15.3			
M677259		87	2.4	10.4	259	12.5			
M677260		87	2.7	9.3	354	15.7			
M677261		88	3.1	6.9	256	18.2			
M677262		90	3.1	6.7	224	18.8			
M677263		84	2.3	8.9	393	12.4			
M677264		86	1.8	10.0	576	16.9			
M677265		88	1.9	10.7	287	10.1			
M677266		85	4.2	7.7	287	6.8			
M677267		102	8.8	9.7	171	66.4			
M677268		98	8.7	9.4	163	63.6			
M677269		42	2.6	4.0	245	32.5			
M677270		49	2.1	4.3	435	32.9			
M677271		42	1.5	3.8	125	36.6			
M677272		45	1.6	4.1	108	36.1			
M677273		2	0.1	0.9	14	<0.5			
M677274		46	2.4	4.2	163	32.6			
M677275		48	2.0	4.5	170	32.8			



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Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10%on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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CERTIFICATE WH12199286

Project: Mint

P.O. No.: Batch 9

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24- AUG- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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 WH12199286

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677276		7.35	0.015	0.25	7.25	5.4	1320	0.81	0.27	2.51	0.09	20.5	8.3	30	1.45	108.0
M677277		7.67	0.018	0.15	6.86	5.4	910	0.73	0.17	2.34	0.07	18.25	8.7	26	1.34	66.9
M677278		7.88	0.028	0.17	7.01	11.1	870	0.85	0.27	2.49	0.11	17.40	6.6	26	1.65	46.9
M677279		2.12	0.060	0.19	7.01	18.3	1060	0.96	0.35	2.06	0.11	17.95	3.8	26	1.73	20.0
M677280		5.29	0.022	0.15	6.87	5.0	900	0.73	0.30	2.55	0.04	17.15	6.2	25	1.28	28.9
M677281		7.90	0.008	0.09	7.36	4.6	850	0.76	0.10	2.61	0.06	17.90	5.8	26	1.19	59.0
M677282		8.49	0.010	0.14	7.61	4.8	920	0.79	0.23	2.71	0.06	18.95	9.4	28	1.27	69.1
M677283		<0.02	0.010	0.12	7.54	4.8	910	0.78	0.23	2.64	0.06	18.20	9.3	27	1.21	65.6
M677284		7.82	0.013	0.17	7.50	6.1	700	0.82	0.16	2.56	0.08	18.95	7.8	28	1.29	94.9
M677285		8.09	0.033	0.30	7.73	11.8	980	0.90	0.58	2.39	0.07	20.5	7.8	29	1.42	127.5
M677286		4.00	0.070	0.61	7.15	15.8	810	0.75	0.67	2.15	0.71	20.4	8.0	29	1.52	161.5
M677287		6.52	0.101	1.43	7.19	34.5	730	0.80	1.64	1.53	2.05	26.8	7.5	26	1.87	212
M677288		0.06	0.817	6.89	4.92	8520	1250	1.21	205	13.15	1.17	397	69.2	48	9.23	3550
M677289		7.32	0.105	1.31	7.25	18.8	770	0.77	1.21	1.81	0.77	21.6	6.9	28	1.88	291
M677290		4.85	0.072	1.58	7.07	23.7	690	0.79	1.94	1.05	1.01	21.2	6.7	27	1.81	110.5
M677291		6.48	0.086	0.82	7.19	10.3	790	0.80	0.69	2.12	0.20	17.45	8.3	29	1.54	168.0
M677292		4.15	0.098	1.99	7.48	13.4	980	0.82	2.31	1.75	1.69	22.0	8.4	30	1.35	236
M677293		2.21	0.093	1.73	7.48	13.2	970	0.74	1.87	1.70	1.02	20.9	8.5	28	1.35	215
M677294		7.79	0.140	2.58	7.36	23.1	920	0.76	3.31	1.65	1.89	14.90	14.1	25	2.06	260
M677295		4.82	0.123	3.63	7.56	31.1	670	0.76	4.33	1.41	18.95	15.20	14.6	24	2.14	490
M677296		6.15	0.079	3.23	7.55	20.6	1190	0.78	2.48	0.84	8.94	14.95	5.5	32	2.10	751
M677297		4.85	0.124	2.47	7.30	25.5	1040	0.71	2.67	0.88	4.36	9.98	7.8	25	1.81	295
M677298		6.21	0.085	2.18	7.24	29.5	900	0.60	2.74	0.86	20.5	9.60	6.8	59	1.50	398
M677299		6.06	<0.005	0.02	0.09	<5	20	0.05	0.04	22.1	0.10	1.07	1.5	<1	0.30	4.2
M677300		7.21	0.218	3.76	7.31	37.7	510	0.59	5.14	1.31	2.30	22.3	26.0	90	1.24	249
M677301		8.60	0.060	1.97	7.55	20.2	1140	0.74	2.34	1.55	4.44	25.1	11.1	32	1.90	188.0
M677302		6.15	0.085	1.76	7.13	27.8	600	0.66	2.51	1.14	2.93	16.85	14.9	29	1.88	108.5
M677303		2.61	0.094	2.04	7.61	21.4	1410	0.85	2.65	1.81	19.50	28.5	11.0	30	1.83	217
M677304		0.06	0.805	6.46	4.89	8360	1230	1.23	198.5	12.40	1.17	402	70.8	47	9.29	3450
M677305		6.47	0.066	1.32	7.27	32.4	950	0.67	2.08	1.28	2.91	24.3	10.6	42	1.72	66.1
M677306		2.41	0.147	1.85	6.41	28.4	410	0.73	2.79	0.84	1.77	22.2	19.7	23	1.81	54.8
M677307		4.20	0.208	3.79	7.09	37.2	230	0.72	52.3	1.36	0.45	21.0	32.4	28	1.77	88.5
M677308		2.90	<0.005	0.03	0.09	<5	30	0.07	0.14	21.8	0.08	1.29	1.5	<1	0.31	2.2
M677309		2.67	0.051	1.15	7.07	14.7	1200	0.94	2.11	1.80	1.03	22.1	7.6	26	1.60	170.0
M677310		5.93	0.192	3.12	7.16	25.0	720	0.85	4.10	1.31	3.73	21.8	7.2	25	2.38	198.0
M677311		6.06	1.430	2.82	6.91	22.2	870	0.78	3.39	1.16	2.51	23.7	8.0	25	2.08	442



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CERTIFICATE OF ANALYSIS WH12199286

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677276		2.19	16.50	0.08	0.9	0.070	1.82	10.8	4.7	0.82	606	1.71	2.63	5.4	22.2	490
M677277		2.01	16.25	0.11	0.7	0.048	1.73	9.6	4.0	0.79	554	1.54	2.67	4.9	22.0	440
M677278		2.12	17.15	0.12	0.7	0.100	2.04	9.0	4.9	0.79	1040	1.80	2.47	5.2	20.6	450
M677279		2.42	16.70	0.12	0.8	0.170	1.96	9.6	7.0	0.76	1160	0.91	2.33	4.9	19.1	420
M677280		2.11	16.45	0.12	0.8	0.089	1.67	9.0	4.1	0.77	789	1.08	2.74	5.0	20.3	430
M677281		2.08	17.45	0.12	0.8	0.063	1.50	9.3	5.1	0.84	543	1.57	3.15	5.3	22.0	460
M677282		2.24	18.00	0.12	0.8	0.071	1.63	9.9	4.5	0.88	678	1.62	3.17	5.6	22.7	480
M677283		2.23	17.30	0.13	0.8	0.067	1.62	9.4	4.4	0.87	663	1.59	3.17	5.4	21.8	470
M677284		2.24	17.75	0.12	0.7	0.094	1.44	10.0	4.8	0.87	501	1.43	3.28	5.5	23.2	480
M677285		2.25	18.10	0.12	0.8	0.098	1.68	10.8	4.8	0.82	597	1.41	3.22	5.7	21.8	470
M677286		2.37	16.55	0.13	0.9	0.140	2.02	10.7	6.3	0.92	1100	1.33	2.72	5.1	21.3	440
M677287		3.18	16.55	0.16	0.9	0.220	2.44	15.4	6.3	0.94	1200	1.09	1.83	5.2	21.5	430
M677288		9.36	18.55	0.44	1.6	1.730	2.05	240	31.9	1.44	2470	14.60	0.89	10.0	32.0	980
M677289		2.31	16.85	0.11	0.7	0.253	2.39	12.1	5.3	0.88	1100	0.97	2.04	5.2	21.3	440
M677290		3.27	17.10	0.12	0.8	0.180	2.91	12.0	5.1	0.73	701	0.82	0.93	5.1	22.8	430
M677291		2.43	17.50	0.12	0.8	0.101	1.87	9.1	8.5	0.84	788	1.39	2.86	5.2	22.0	430
M677292		2.20	17.05	0.12	0.7	0.145	2.13	12.0	6.3	0.67	825	1.73	2.49	5.5	20.2	460
M677293		2.35	16.75	0.12	0.7	0.139	2.14	11.5	6.4	0.70	841	1.63	2.54	5.3	19.8	450
M677294		3.29	15.25	0.13	0.8	0.302	3.40	8.2	8.6	0.67	1640	2.74	0.52	5.0	16.1	430
M677295		3.72	17.15	0.14	0.8	0.386	3.63	8.8	6.8	0.71	1510	1.79	0.45	5.3	21.3	450
M677296		2.87	17.25	0.12	0.8	0.339	3.89	8.6	4.8	0.69	1240	2.58	0.10	5.4	14.5	500
M677297		3.88	15.85	0.12	0.7	0.295	3.44	6.0	9.6	0.95	1720	1.57	0.10	4.9	16.8	430
M677298		4.87	19.45	0.14	0.8	0.438	2.84	5.4	13.2	1.74	1880	3.21	0.48	6.7	35.4	830
M677299		0.48	0.40	0.20	<0.1	0.007	0.05	0.5	1.2	13.30	225	0.10	0.01	0.4	0.5	190
M677300		7.57	18.30	0.17	0.6	0.289	2.28	10.7	17.2	2.11	2340	4.11	1.07	9.2	60.8	1330
M677301		3.92	16.80	0.13	0.7	0.208	2.94	14.9	10.7	1.09	1580	1.36	1.16	5.3	23.7	500
M677302		4.77	16.25	0.14	0.7	0.237	2.65	10.0	10.2	1.15	1780	2.28	1.08	5.0	25.9	450
M677303		3.45	17.45	0.15	0.8	0.208	2.92	16.4	8.9	0.94	1740	1.32	1.20	5.4	23.5	470
M677304		9.20	18.85	0.44	1.6	1.735	2.00	242	35.0	1.40	2350	15.55	0.90	10.0	32.7	960
M677305		4.63	16.80	0.13	0.7	0.211	2.68	14.1	11.2	1.31	2080	1.61	0.93	6.1	27.1	660
M677306		4.86	14.85	0.13	0.8	0.228	3.21	12.7	8.2	0.81	1650	0.96	0.19	5.0	19.8	390
M677307		5.85	16.00	0.15	0.6	0.163	2.81	11.3	8.1	0.71	1560	2.66	0.84	5.0	25.9	430
M677308		0.49	0.41	0.20	<0.1	0.006	0.05	0.6	1.1	12.90	212	<0.05	0.01	0.4	<0.2	170
M677309		2.53	18.15	0.08	0.7	0.136	2.33	12.1	7.2	0.66	1640	2.03	1.75	5.8	18.0	450
M677310		4.01	16.80	0.10	0.6	0.294	3.55	12.2	5.0	0.96	2640	1.88	0.09	5.8	21.7	470
M677311		4.03	16.70	0.11	0.6	0.308	3.16	13.3	8.3	0.96	1750	1.13	0.42	5.7	21.4	470



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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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.1
M677276		11.4	40.0	<0.002	0.36	0.75	6.6	1	0.6	390	0.40	0.11	2.0	0.216	0.6
M677277		5.4	33.6	<0.002	0.32	0.62	5.9	1	0.5	310	0.36	0.12	1.9	0.184	0.5
M677278		6.7	43.1	0.004	0.76	0.97	5.9	1	0.5	249	0.36	0.16	1.7	0.191	0.5
M677279		6.6	46.3	0.002	1.14	1.31	5.9	1	0.4	185.0	0.34	0.20	1.9	0.184	0.6
M677280		6.2	33.2	<0.002	0.52	0.81	5.7	1	0.4	309	0.34	0.12	1.7	0.184	0.5
M677281		5.9	29.9	<0.002	0.17	0.70	6.0	1	0.5	405	0.38	0.05	1.8	0.195	0.5
M677282		6.6	31.1	<0.002	0.40	0.79	6.1	1	0.5	402	0.39	0.15	2.1	0.208	0.6
M677283		6.0	30.0	<0.002	0.41	0.76	6.0	1	0.5	401	0.37	0.15	2.0	0.203	0.5
M677284		6.5	28.8	<0.002	0.18	1.02	6.8	1	0.5	419	0.38	0.10	2.1	0.207	0.5
M677285		6.5	35.7	<0.002	0.56	1.02	6.4	1	0.5	441	0.40	0.29	2.3	0.211	0.7
M677286		28.7	43.7	<0.002	1.20	1.00	5.9	1	0.6	269	0.36	0.45	2.1	0.192	0.9
M677287		88.3	63.9	<0.002	2.31	1.20	6.5	2	1.0	181.0	0.35	0.89	2.6	0.176	0.9
M677288		30.8	122.0	0.003	1.35	30.3	7.5	7	98.2	246	0.57	0.95	9.6	0.250	11.3
M677289		57.2	58.5	<0.002	1.04	0.51	6.2	1	1.1	178.0	0.36	0.64	2.2	0.182	0.7
M677290		70.1	69.8	<0.002	2.77	0.58	6.3	2	1.9	114.0	0.35	1.08	2.5	0.185	1.0
M677291		16.2	40.8	<0.002	0.68	0.63	7.2	1	0.7	326	0.36	0.41	1.9	0.202	0.7
M677292		209	48.5	<0.002	1.01	0.96	6.6	1	0.8	332	0.38	1.11	2.4	0.199	0.8
M677293		127.5	49.1	<0.002	1.02	1.09	6.3	1	0.9	323	0.37	0.85	2.5	0.194	0.8
M677294		132.0	83.9	<0.002	2.28	1.50	5.9	2	1.2	100.5	0.35	1.09	2.4	0.189	0.9
M677295		489	91.7	<0.002	2.75	2.56	5.8	2	1.5	101.5	0.36	1.86	2.4	0.199	0.9
M677296		586	96.6	<0.002	1.57	1.55	6.0	1	1.5	50.5	0.37	0.84	2.5	0.211	0.9
M677297		236	85.2	0.002	1.97	1.12	5.7	1	1.0	52.2	0.34	0.90	2.3	0.183	0.7
M677298		265	73.4	0.002	1.80	1.38	10.2	1	1.5	54.1	0.38	0.81	2.1	0.287	0.7
M677299		2.2	2.4	<0.002	0.01	<0.05	0.4	1	<0.2	34.8	<0.05	<0.05	<0.2	<0.005	0.9
M677300		201	50.5	0.002	4.45	1.56	11.2	2	1.7	131.5	0.47	2.41	1.3	0.420	0.5
M677301		84.1	69.3	<0.002	2.17	1.10	6.7	1	1.0	171.5	0.36	0.89	2.5	0.208	0.9
M677302		89.8	68.8	0.002	2.73	1.05	6.6	1	1.0	96.2	0.33	1.07	2.1	0.184	0.7
M677303		142.5	66.0	<0.002	1.83	1.66	6.7	1	0.7	250	0.37	0.76	2.4	0.214	0.9
M677304		32.7	121.5	0.004	1.35	28.6	7.7	7	97.9	243	0.58	0.91	9.6	0.242	11.4
M677305		104.0	72.4	<0.002	2.28	1.03	8.0	1	1.0	96.8	0.39	0.79	2.3	0.242	0.8
M677306		79.7	81.9	<0.002	3.56	0.85	5.9	1	1.1	39.7	0.34	1.40	2.3	0.176	0.8
M677307		120.0	71.6	<0.002	5.02	1.04	6.4	2	1.2	157.0	0.35	35.2	2.2	0.186	0.7
M677308		2.4	2.5	<0.002	0.02	0.05	0.5	1	<0.2	37.7	<0.05	0.07	<0.2	<0.005	0.3
M677309		65.1	55.0	<0.002	0.88	0.89	6.5	1	0.8	298	0.40	0.95	2.4	0.196	0.7
M677310		230	92.4	<0.002	2.23	0.90	6.7	1	1.1	45.3	0.38	1.65	2.2	0.205	0.8
M677311		420	84.3	<0.002	2.23	1.12	7.0	1	1.4	62.2	0.39	1.89	2.2	0.204	0.7



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 Account: RANSIL

Project: Mint

CERTIFICATE OF ANALYSIS WH12199286

Sample Description	Method Analyte Units LOR	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
M677276		49	2.3	4.8	75	32.9
M677277		42	2.3	4.3	74	26.8
M677278		44	1.5	4.5	85	28.6
M677279		43	1.2	4.5	84	30.4
M677280		42	0.8	4.4	75	31.1
M677281		45	0.7	4.8	71	31.6
M677282		47	1.1	5.1	72	32.8
M677283		45	1.0	4.9	70	31.7
M677284		49	1.1	5.4	67	26.7
M677285		47	1.9	5.3	65	28.0
M677286		46	3.1	4.9	122	36.9
M677287		46	3.6	5.8	273	34.1
M677288		56	35.8	29.9	177	59.5
M677289		44	4.0	5.3	144	26.2
M677290		44	7.1	4.9	156	30.4
M677291		53	2.5	5.2	84	30.0
M677292		46	3.1	5.4	266	24.9
M677293		44	3.4	5.3	194	25.1
M677294		37	5.9	5.6	267	30.6
M677295		37	7.2	5.0	2490	29.8
M677296		41	7.0	4.6	1360	30.4
M677297		39	5.6	4.1	686	24.9
M677298		73	9.0	4.6	2630	33.4
M677299		2	0.1	0.9	18	<0.5
M677300		88	10.1	6.3	399	26.1
M677301		47	6.1	5.3	624	27.3
M677302		43	6.1	4.7	458	23.8
M677303		47	5.8	6.0	2330	30.9
M677304		52	30.1	29.5	170	58.9
M677305		52	6.6	5.8	483	26.1
M677306		34	6.0	4.1	305	31.2
M677307		37	5.8	4.6	95	22.0
M677308		2	0.1	0.9	14	0.5
M677309		43	3.8	5.5	192	25.3
M677310		44	7.0	5.1	575	26.1
M677311		45	8.0	5.7	379	21.4



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CERTIFICATE OF ANALYSIS WH12199286

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	Interference: Ca> 10%on ICP- MS As,ICP- AES results shown. REE's may not be totally soluble in this method.



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CERTIFICATE WH12201435

Project: Mint

P.O. No.: Batch 10

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27- AUG- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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 WH12201435

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677312		5.35	0.204	2.71	7.21	28.6	730	0.78	4.95	0.67	3.13	22.7	8.0	37	1.76	168.5
M677313		5.61	0.165	2.30	7.21	28.6	360	0.65	9.20	0.65	1.34	30.0	11.7	66	1.42	266
M677314		5.39	0.069	1.13	7.01	22.0	780	0.69	4.38	0.93	1.84	30.1	7.2	49	1.58	64.6
M677315		3.12	0.298	2.10	7.04	53.9	350	0.62	8.81	1.25	1.87	35.0	14.0	107	1.47	131.5
M677316		6.74	0.130	1.38	6.75	16.8	540	0.70	6.30	1.02	1.43	29.4	6.6	36	1.82	105.0
M677317		0.10	1.170	21.5	3.97	9420	600	1.41	225	12.60	2.73	238	70.4	53	5.63	>10000
M677318		2.75	0.046	0.62	7.03	14.8	920	0.77	1.69	1.74	0.84	17.30	6.2	44	2.19	56.8
M677319		4.17	0.528	2.77	6.51	27.9	130	0.72	21.5	1.09	1.23	21.8	7.0	43	1.61	122.0
M677320		2.56	0.102	1.73	7.22	23.9	1340	0.85	3.84	1.10	1.22	18.60	6.0	39	1.80	126.5
M677321		5.64	0.313	3.67	6.74	46.9	270	0.63	16.70	0.74	2.84	27.3	12.1	58	1.48	59.7
M677322		<0.02	0.295	3.38	7.01	47.5	370	0.63	17.10	0.78	2.68	27.9	12.1	59	1.51	60.3
M677323		6.57	0.163	2.09	6.77	41.2	720	0.68	4.12	0.80	1.61	34.8	10.1	62	1.60	78.5
M677324		4.81	0.273	3.41	6.78	45.3	340	0.72	4.61	0.99	3.73	27.3	12.3	58	1.33	43.1
M677325		7.49	0.146	1.34	7.10	30.3	1430	0.71	3.03	0.92	0.60	15.20	8.7	45	1.43	106.5
M677326		2.72	0.567	3.86	7.31	43.4	160	0.74	38.6	0.79	1.32	17.20	13.6	41	1.31	228
M677327		5.04	<0.005	0.01	0.08	<5	20	0.06	0.07	20.0	0.07	1.54	1.3	<1	0.16	2.3
M677328		4.32	0.201	2.21	7.35	38.8	950	0.73	3.66	0.66	0.85	13.90	6.9	46	1.29	86.4
M677329		2.78	0.068	1.03	7.03	18.7	150	0.68	3.37	1.04	0.93	24.5	9.2	53	1.69	55.3
M677330		3.17	0.531	1.30	7.23	17.2	310	0.87	2.79	0.86	0.72	37.5	5.6	29	2.12	65.8
M677331		2.87	0.268	1.27	7.42	44.9	830	0.69	2.43	0.88	0.74	8.74	14.2	41	1.28	98.8
M677332		4.57	0.022	0.06	7.09	4.4	1300	0.78	0.30	1.69	0.04	13.10	8.9	45	1.36	8.0
M677333		1.91	0.021	0.07	7.47	4.4	1400	0.83	0.31	1.82	0.07	15.10	9.7	47	1.46	4.9
M677334		5.42	0.042	0.45	7.23	6.0	1060	0.86	0.51	1.78	1.27	13.30	6.8	43	1.40	22.9
M677335		4.34	0.169	2.27	6.90	54.5	330	0.72	2.99	0.86	7.99	36.8	8.6	38	1.78	208
M677336		4.30	0.095	1.45	7.22	45.3	550	0.66	2.32	1.42	4.01	24.3	7.1	48	1.78	55.4
M677337		2.91	1.150	22.3	6.86	76.5	90	0.71	42.8	1.08	1.37	20.1	16.4	64	1.50	29.9
M677338		2.47	0.137	3.21	7.29	52.0	590	0.76	4.54	1.00	2.01	15.90	10.2	38	1.38	78.5
M677339		0.10	0.796	6.25	4.52	7990	1140	1.44	198.5	11.45	0.91	431	73.8	47	9.76	3240
M677340		5.57	0.088	1.37	7.28	31.9	1530	0.76	2.35	1.28	2.71	13.90	11.2	38	1.52	91.0
M677341		3.26	0.235	2.40	7.01	18.4	440	0.78	8.42	1.52	2.05	15.05	11.1	23	1.64	156.0
M677342		3.57	0.122	1.16	6.81	14.6	1370	0.82	2.06	1.50	1.90	16.55	9.8	29	1.26	14.3
M677343		5.34	<0.005	0.01	0.06	<5	20	0.06	0.03	20.3	0.07	1.24	1.3	<1	0.11	1.7
M677344		3.00	0.117	1.09	7.21	25.9	750	0.88	1.83	2.24	1.07	21.5	15.7	102	1.66	118.0
M677345		4.47	0.252	1.78	7.21	32.5	480	0.78	2.67	0.90	3.60	17.60	12.0	56	1.33	101.0
M677346		3.27	0.153	1.74	7.12	22.0	1050	0.88	2.14	1.10	3.91	14.30	9.6	40	1.51	81.0
M677347		4.36	0.457	1.84	7.32	32.8	510	0.75	2.89	0.96	2.68	14.10	12.7	51	1.21	45.6



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CERTIFICATE OF ANALYSIS WH12201435

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677312		4.73	15.45	0.08	0.5	0.255	2.71	12.4	9.7	1.11	1300	2.15	0.92	4.8	32.3	530
M677313		6.53	16.95	0.14	0.3	0.281	2.44	16.6	13.3	1.50	1340	5.04	0.84	5.1	50.3	690
M677314		4.20	15.85	0.10	0.7	0.210	2.21	16.9	9.7	1.11	1210	4.78	1.47	5.9	32.7	650
M677315		7.18	19.70	0.17	0.5	0.237	1.88	18.2	17.7	1.92	1800	3.34	1.33	10.6	72.8	1520
M677316		4.43	15.10	0.11	0.7	0.325	2.61	17.1	7.6	0.95	1320	2.41	0.80	4.8	26.7	460
M677317		10.80	14.60	0.38	1.6	4.56	1.03	147.0	36.3	1.20	1800	14.55	1.09	8.6	70.1	780
M677318		2.90	15.80	0.06	0.2	0.116	2.11	9.0	9.1	1.10	1200	1.01	1.99	5.6	36.2	550
M677319		5.39	15.25	0.12	0.3	0.314	2.60	11.5	6.9	0.99	1400	2.55	0.74	4.5	31.8	470
M677320		3.38	15.10	0.08	0.3	0.194	2.37	9.8	9.5	1.08	1160	2.40	1.84	4.8	33.2	500
M677321		6.72	17.10	0.15	0.3	0.283	2.15	14.7	13.0	1.49	1480	2.09	1.13	4.8	48.4	650
M677322		6.72	17.20	0.14	0.3	0.292	2.23	15.4	13.1	1.50	1540	2.77	1.16	4.9	49.4	660
M677323		5.15	16.55	0.13	0.3	0.278	2.36	20.4	13.2	1.38	1530	2.51	1.15	5.0	40.8	640
M677324		5.69	17.10	0.14	0.2	0.233	2.12	14.0	13.0	1.42	1540	3.11	1.57	5.0	48.8	670
M677325		3.98	14.70	0.10	0.2	0.217	2.35	7.8	11.6	1.23	1330	1.88	1.88	4.3	37.2	560
M677326		6.00	16.55	0.14	0.2	0.304	2.69	9.1	8.3	1.02	1070	3.57	1.33	4.8	41.3	540
M677327		0.46	0.32	<0.05	<0.1	<0.005	0.03	0.7	1.1	12.35	212	0.18	0.01	0.3	2.7	170
M677328		4.69	14.85	0.09	0.1	0.213	2.18	7.0	16.9	1.29	1300	2.34	1.81	4.3	35.5	620
M677329		6.10	16.55	0.14	0.7	0.299	2.79	13.1	6.8	0.89	1080	2.45	0.77	5.8	33.5	670
M677330		4.10	17.60	0.12	0.7	0.242	2.92	22.8	9.9	0.67	834	2.16	0.46	4.7	20.7	460
M677331		4.32	14.85	0.10	0.1	0.171	2.82	4.3	12.7	1.13	1120	6.61	1.72	4.0	36.6	570
M677332		2.79	13.75	0.06	0.1	0.049	1.75	5.9	7.4	1.10	802	1.70	2.68	4.2	35.6	580
M677333		2.98	14.60	0.07	0.1	0.057	1.85	7.0	8.1	1.18	868	2.25	2.78	4.4	37.7	620
M677334		2.63	15.00	0.07	0.1	0.046	1.52	6.1	6.4	1.15	690	0.85	2.91	4.2	38.6	600
M677335		5.82	19.20	0.17	0.5	0.379	2.79	20.0	10.6	1.29	1780	4.84	0.44	5.8	35.6	700
M677336		4.74	16.45	0.12	0.8	0.258	2.68	12.5	11.8	1.22	2370	4.29	0.53	5.8	33.1	680
M677337		7.67	17.70	0.18	0.5	0.270	2.21	9.9	15.3	1.48	2110	5.04	1.05	4.8	58.3	660
M677338		4.86	16.30	0.12	0.3	0.344	2.55	8.0	11.3	1.19	1720	2.65	1.33	4.7	35.7	560
M677339		8.75	20.2	0.48	1.7	1.680	1.72	247	33.6	1.28	2290	15.90	0.75	9.7	37.6	920
M677340		3.70	15.20	0.08	0.3	0.188	2.72	7.0	9.4	1.07	1400	1.42	1.56	4.3	33.2	510
M677341		4.10	15.40	0.09	0.9	0.278	2.92	8.5	4.9	0.76	1360	2.00	0.75	4.4	24.0	410
M677342		2.81	15.65	0.09	0.7	0.180	2.65	8.8	5.2	0.81	1070	1.80	1.94	4.8	23.3	410
M677343		0.46	0.26	<0.05	<0.1	<0.005	0.02	0.6	1.0	12.60	201	0.13	0.01	0.3	2.0	170
M677344		4.49	17.70	0.11	0.5	0.250	1.44	10.4	9.7	1.73	1300	2.62	1.72	5.6	73.7	860
M677345		5.22	17.15	0.12	0.4	0.249	2.23	9.4	13.0	1.37	1650	3.88	1.49	5.0	49.9	590
M677346		3.99	15.45	0.10	0.1	0.212	2.48	7.4	9.2	1.13	1370	5.64	1.41	4.5	42.9	540
M677347		5.08	17.50	0.13	0.4	0.231	2.58	6.9	10.9	1.30	1550	11.90	1.48	5.6	38.0	710



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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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M677312		96.3	77.4	0.005	2.87	1.19	6.3	2	1.1	71.5	0.39	2.27	1.8	0.216	0.74
M677313		75.3	68.5	0.002	4.15	0.84	8.5	2	1.6	73.8	0.37	4.78	1.5	0.278	0.58
M677314		76.6	60.1	0.002	2.27	0.74	7.4	2	1.1	146.5	0.46	2.01	2.3	0.270	0.59
M677315		98.7	42.3	0.003	3.91	0.90	11.5	2	1.9	143.5	0.67	4.07	1.4	0.507	0.51
M677316		55.1	76.4	<0.002	2.83	0.72	5.7	2	1.3	99.9	0.39	3.10	2.1	0.188	0.74
M677317		29.6	68.4	0.007	2.49	28.8	6.8	12	82.7	234	0.57	1.27	9.0	0.207	0.90
M677318		36.3	59.0	<0.002	1.06	0.67	5.4	1	1.0	220	0.43	0.67	0.9	0.204	0.64
M677319		77.9	73.5	0.002	3.89	1.01	5.8	2	1.5	96.3	0.35	10.60	1.2	0.193	0.62
M677320		53.6	64.8	<0.002	1.77	0.61	5.7	1	0.8	223	0.38	1.63	1.1	0.192	0.63
M677321		77.4	59.5	<0.002	4.32	0.78	8.3	2	1.4	90.5	0.34	8.26	1.3	0.250	0.56
M677322		79.6	64.4	0.002	4.33	0.78	8.5	2	1.4	91.9	0.35	8.24	1.4	0.262	0.58
M677323		75.0	63.8	0.002	2.78	0.93	8.1	1	1.5	107.0	0.37	1.81	1.5	0.242	0.63
M677324		148.5	53.0	0.002	3.17	0.55	8.3	2	1.6	154.5	0.33	2.01	0.9	0.254	0.58
M677325		72.2	62.3	0.003	1.79	0.84	6.5	1	1.4	209	0.32	1.17	0.9	0.201	0.63
M677326		75.9	76.2	0.003	4.63	1.59	6.3	3	3.0	154.5	0.37	19.35	0.9	0.199	0.64
M677327		1.7	1.8	<0.002	<0.01	<0.05	0.3	1	<0.2	43.8	<0.05	<0.05	<0.2	0.005	<0.02
M677328		62.4	61.3	0.002	2.57	0.61	6.4	2	1.8	171.0	0.33	1.52	0.9	0.218	0.57
M677329		46.9	77.3	<0.002	4.96	0.89	6.4	4	2.0	105.5	0.43	1.55	2.1	0.269	0.66
M677330		38.2	72.3	<0.002	3.20	0.80	5.5	3	2.1	160.5	0.41	1.17	2.5	0.193	0.61
M677331		42.0	62.1	0.006	2.29	0.72	6.5	1	1.4	224	0.29	0.83	0.7	0.191	0.62
M677332		9.2	40.1	0.003	0.39	0.56	6.0	1	0.9	334	0.32	0.09	0.6	0.209	0.45
M677333		9.9	44.7	0.003	0.41	0.62	6.2	1	1.0	355	0.33	0.10	0.7	0.217	0.48
M677334		83.6	38.5	0.003	0.67	0.61	6.5	1	0.9	366	0.32	0.31	0.5	0.196	0.45
M677335		542	78.8	0.002	3.82	1.16	8.2	2	2.3	61.1	0.42	1.00	1.4	0.288	0.80
M677336		271	78.6	0.002	2.55	0.78	7.5	2	1.4	91.7	0.45	0.76	2.4	0.251	0.83
M677337		388	58.3	0.004	5.63	0.72	8.7	3	1.7	114.0	0.32	22.3	1.4	0.249	0.64
M677338		150.5	69.8	0.002	2.67	0.84	7.1	2	1.5	149.5	0.36	2.33	1.4	0.204	0.70
M677339		34.0	126.0	0.004	1.24	28.7	8.0	7	93.2	230	0.65	0.79	11.0	0.233	1.23
M677340		113.5	67.4	0.002	1.72	0.63	6.3	1	1.2	208	0.32	0.82	1.2	0.196	0.69
M677341		117.5	81.5	<0.002	2.79	0.70	4.9	2	1.5	109.0	0.39	4.62	2.5	0.172	0.79
M677342		93.0	60.7	<0.002	1.61	0.54	5.7	2	1.2	242	0.41	1.10	2.1	0.179	0.65
M677343		1.6	1.2	<0.002	0.01	<0.05	0.2	1	<0.2	44.4	<0.05	<0.05	<0.2	<0.005	<0.02
M677344		93.4	41.5	<0.002	1.56	1.65	10.4	2	1.4	356	0.38	0.69	1.2	0.333	0.43
M677345		347	64.3	0.003	2.84	0.77	8.3	2	1.5	133.5	0.38	1.15	2.0	0.247	0.60
M677346		298	68.9	0.007	2.04	0.68	6.2	2	1.4	193.0	0.34	0.92	0.8	0.194	0.70
M677347		209	64.0	0.004	2.83	0.73	7.8	2	1.5	159.5	0.40	1.50	1.5	0.251	0.65



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CERTIFICATE OF ANALYSIS WH12201435

Sample Description	Method Analyte Units LOR	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	Cu- OG62 Cu % 0.001
M677312		50	9.4	4.8	544	15.0	
M677313		73	13.9	5.4	283	11.1	
M677314		60	11.3	5.6	347	24.8	
M677315		104	24.0	8.3	407	15.3	
M677316		43	9.3	5.4	256	25.5	
M677317		48	281	27.6	319	59.9	1.275
M677318		43	5.3	4.9	182	8.5	
M677319		46	8.9	5.0	226	11.3	
M677320		45	9.1	4.8	236	10.1	
M677321		65	10.8	5.1	489	8.2	
M677322		67	10.9	5.4	485	9.6	
M677323		64	11.6	5.6	309	10.3	
M677324		64	10.8	5.6	621	4.8	
M677325		53	7.5	4.9	158	4.1	
M677326		54	9.3	4.5	243	7.1	
M677327		2	0.1	0.9	18	<0.5	
M677328		62	13.0	3.7	190	3.3	
M677329		55	10.3	5.5	165	24.1	
M677330		52	6.4	4.8	126	25.0	
M677331		55	7.7	4.3	168	2.8	
M677332		53	3.6	5.4	86	2.8	
M677333		54	3.8	6.0	89	2.9	
M677334		51	2.9	5.7	232	2.7	
M677335		72	11.9	7.0	1220	16.6	
M677336		57	11.1	5.5	682	27.7	
M677337		68	13.4	5.3	290	17.1	
M677338		54	14.1	4.6	376	11.5	
M677339		55	31.8	30.6	161	64.6	
M677340		49	7.1	4.9	500	10.3	
M677341		37	7.9	4.9	361	32.2	
M677342		44	8.9	4.9	332	25.2	
M677343		2	0.1	0.9	15	<0.5	
M677344		88	9.0	7.9	226	16.4	
M677345		63	13.5	5.1	632	15.2	
M677346		49	8.9	4.6	636	3.4	
M677347		57	14.1	4.2	456	14.0	



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CERTIFICATE OF ANALYSIS WH12201435

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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P.O. No.: Batch 11

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28- AUG- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

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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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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677348		3.24	0.203	2.53	7.05	30.5	250	0.55	2.77	1.08	14.20	10.45	11.0	30	1.09	422
M677349		3.72	0.224	3.80	7.71	29.0	210	0.62	3.76	1.00	5.89	14.65	15.6	36	1.26	62.6
M677350		4.84	0.091	0.94	7.14	10.1	1050	0.73	1.18	1.65	1.08	14.25	7.8	25	1.36	20.1
M677351		4.79	0.082	1.15	7.14	18.9	1050	0.70	1.21	1.75	3.61	14.15	9.4	33	1.17	27.3
M677352		0.10	0.773	7.59	4.95	8640	1090	1.17	228	13.15	1.09	434	68.4	49	9.95	3350
M677353		4.21	0.160	1.89	7.51	29.7	110	0.66	3.21	2.06	1.18	24.5	21.9	60	1.20	61.1
M677354		7.74	0.178	4.29	7.37	28.5	190	0.70	3.04	1.41	2.02	18.10	17.5	31	1.30	80.0
M677355		2.74	0.653	2.82	6.94	36.0	60	0.61	5.27	1.33	3.04	16.40	43.7	34	1.23	25.4
M677356		5.51	0.117	1.22	7.66	28.7	370	0.69	1.89	1.58	1.45	15.50	17.2	38	1.28	32.5
M677357		<0.02	0.121	1.07	7.50	31.2	330	0.89	1.95	1.53	1.39	15.70	21.6	37	1.23	37.8
M677358		6.24	0.124	1.13	7.82	36.5	600	0.80	1.67	1.87	1.79	16.55	18.1	35	1.55	64.3
M677359		6.65	0.069	0.49	7.52	22.9	1200	0.71	0.67	1.82	1.51	20.2	12.5	26	1.62	15.0
M677360		3.26	0.119	1.27	7.36	35.0	110	0.77	1.88	1.86	1.80	14.65	28.8	29	1.53	49.0
M677361		2.64	0.042	0.75	7.31	26.0	820	0.81	1.18	1.78	1.50	13.85	14.7	29	1.58	30.6
M677362		5.40	0.046	0.71	7.83	19.9	1170	0.79	1.10	1.85	1.25	18.50	9.1	27	1.63	40.4
M677363		0.10	0.818	7.09	4.98	8640	1080	1.00	203	13.15	1.06	423	70.0	46	9.69	3400
M677364		3.83	0.016	0.32	7.55	43.7	930	0.73	0.44	2.44	0.59	18.25	6.6	26	1.28	26.2
M677365		4.55	0.054	0.84	7.94	30.3	620	0.64	1.58	1.42	1.97	15.85	8.4	37	1.60	17.7
M677366		3.42	0.057	1.09	7.47	16.7	120	0.66	2.04	1.27	3.94	24.2	19.0	38	1.64	28.0
M677367		3.09	0.050	0.83	7.36	15.8	810	0.69	1.25	1.65	2.42	16.65	9.5	23	1.59	44.1
M677368		2.78	0.050	0.89	7.47	19.9	120	0.63	2.05	1.51	8.22	17.40	31.4	30	1.38	56.5
M677369		4.69	<0.005	0.04	0.07	<5	20	<0.05	0.03	21.2	0.08	1.28	1.2	<1	0.10	1.8
M677370		5.10	0.054	0.63	8.06	26.0	470	0.71	1.83	1.37	1.86	21.2	15.4	42	1.69	55.3
M677371		5.65	0.069	1.18	7.49	22.8	360	0.74	2.41	1.39	2.46	14.70	10.7	35	1.55	34.1
M677372		4.68	0.038	0.60	7.70	23.6	580	0.76	1.22	1.44	1.01	14.15	10.7	36	1.55	16.8
M677373		3.20	0.020	0.40	7.37	13.2	240	0.72	1.17	1.31	1.58	14.30	17.8	30	1.33	9.1
M677374		1.22	0.026	0.40	7.53	9.0	210	0.71	1.07	1.49	1.72	15.90	20.5	28	1.46	12.2
M677375		7.31	0.048	0.71	7.66	18.6	630	0.72	1.25	1.38	2.30	22.5	12.0	29	1.56	32.0
M677376		2.63	0.040	0.24	7.60	27.7	310	0.67	1.16	1.37	0.32	17.25	19.5	32	1.56	15.0
M677377		6.56	0.023	0.32	7.62	15.1	1050	0.81	0.85	1.64	0.50	22.5	8.7	25	1.62	25.0
M677378		3.83	0.169	0.69	7.09	32.6	1120	0.66	1.27	1.44	6.63	12.55	7.3	24	1.96	48.0
M677379		5.37	<0.005	0.02	0.06	<5	20	<0.05	0.02	20.2	0.06	0.98	1.2	<1	0.10	1.5
M677380		8.32	0.008	0.26	7.13	9.2	1370	1.01	0.47	2.70	0.79	27.1	6.8	15	2.71	47.8
M677381		8.14	0.012	0.12	7.04	7.6	1530	0.93	0.41	3.38	0.12	29.4	7.3	14	2.75	25.6
M677382		7.83	0.010	0.21	7.25	10.8	1630	1.04	0.71	2.63	0.17	24.9	6.7	16	2.58	47.2
M677383		8.53	<0.005	0.07	7.16	5.7	1880	0.99	0.32	2.76	3.41	24.8	7.8	16	2.96	35.3



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CERTIFICATE OF ANALYSIS WH12202861

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677348		4.95	13.15	0.14	0.3	0.357	2.45	5.6	7.4	1.17	1500	7.03	1.27	4.0	31.4	560
M677349		5.90	15.75	0.18	0.2	0.284	2.55	7.6	10.3	1.29	1560	45.8	1.32	5.2	38.7	790
M677350		2.55	14.40	0.14	0.8	0.092	2.45	7.6	3.8	0.75	907	1.69	2.11	4.5	19.9	410
M677351		3.14	14.85	0.16	0.5	0.116	2.02	7.5	5.2	0.96	1320	2.00	2.02	4.4	28.5	470
M677352		9.32	17.95	0.51	1.9	1.905	1.87	255	28.1	1.40	2350	15.10	0.80	9.5	39.0	980
M677353		7.38	16.30	0.21	0.3	0.155	1.84	11.6	8.1	1.63	1760	42.4	2.07	6.0	55.7	980
M677354		4.99	13.65	0.18	0.3	0.192	2.27	9.2	6.0	1.07	1530	23.1	1.66	4.1	34.5	620
M677355		7.46	11.95	0.21	0.1	0.195	2.20	8.1	4.7	0.89	1400	11.55	1.71	3.7	52.2	520
M677356		4.22	14.70	0.16	0.3	0.155	2.39	8.0	7.9	1.03	1400	10.75	1.95	5.0	37.6	620
M677357		4.25	15.60	0.15	0.3	0.145	2.35	8.0	11.5	0.97	1390	13.75	1.85	4.8	41.0	590
M677358		4.72	17.20	0.19	0.5	0.195	2.59	8.7	7.8	1.08	1720	12.95	1.40	5.5	34.4	690
M677359		3.01	17.10	0.16	0.8	0.142	2.54	10.9	7.8	0.93	1430	2.19	1.63	4.5	25.5	470
M677360		5.68	15.40	0.20	0.4	0.194	2.69	7.4	6.1	0.91	1560	10.95	1.29	4.9	45.1	560
M677361		3.44	15.25	0.16	0.5	0.190	2.68	7.8	5.3	0.72	1390	12.85	1.29	4.7	27.5	480
M677362		2.77	16.85	0.18	0.8	0.118	2.21	10.7	6.4	0.76	918	10.35	2.24	4.9	24.6	480
M677363		9.26	18.65	0.51	1.8	1.815	1.90	247	27.5	1.37	2320	13.25	0.81	9.0	39.1	970
M677364		2.00	16.20	0.15	1.2	0.040	1.57	10.2	4.7	0.65	484	1.76	2.91	4.7	20.6	450
M677365		4.10	14.45	0.18	0.3	0.194	2.36	8.8	8.7	1.08	1480	4.95	2.11	4.4	38.8	540
M677366		5.98	14.65	0.20	0.6	0.288	2.89	12.9	4.2	0.66	1090	15.80	1.14	4.7	33.3	510
M677367		3.51	14.10	0.16	0.8	0.183	2.85	9.5	5.9	0.67	1330	1.81	1.17	4.2	20.2	420
M677368		5.75	14.65	0.21	0.5	0.319	2.50	9.1	4.7	0.88	1320	8.28	1.72	4.6	55.4	450
M677369		0.50	0.33	0.29	<0.1	0.006	0.02	0.6	0.8	13.00	215	0.76	0.01	0.3	2.1	200
M677370		4.51	16.00	0.18	0.3	0.195	2.40	11.7	12.2	1.17	1380	7.20	1.92	4.9	38.0	640
M677371		4.50	14.75	0.17	0.4	0.232	2.32	8.3	9.1	0.94	1330	19.75	1.79	3.6	34.2	490
M677372		3.64	14.55	0.17	0.2	0.168	2.63	8.0	11.6	1.01	1260	7.19	1.99	4.2	34.4	540
M677373		4.14	14.50	0.20	0.5	0.212	2.38	8.2	5.6	0.70	879	9.96	1.96	4.1	39.1	450
M677374		4.33	13.65	0.18	0.6	0.236	2.54	9.0	4.5	0.72	972	5.07	1.96	4.3	42.1	460
M677375		3.39	16.75	0.19	0.6	0.227	2.65	13.3	7.2	0.78	1050	6.41	1.95	4.6	26.6	440
M677376		4.44	16.45	0.20	0.4	0.141	2.83	9.7	8.2	0.98	1250	1.73	1.80	4.6	30.6	480
M677377		2.75	16.75	0.19	0.7	0.286	2.85	13.1	4.3	0.60	1000	2.56	1.33	5.0	15.0	450
M677378		2.58	17.25	0.17	0.9	0.460	3.08	7.3	9.4	0.62	1110	3.53	0.59	5.0	15.1	490
M677379		0.47	0.32	0.36	<0.1	0.005	0.02	0.5	0.7	12.55	192	0.11	0.01	0.3	1.9	170
M677380		2.42	15.20	0.21	1.0	0.129	2.47	14.7	13.5	0.93	1760	1.96	1.31	7.1	16.1	630
M677381		2.34	16.10	0.21	1.0	0.100	2.33	16.3	9.8	1.36	1590	1.89	1.55	7.1	16.4	610
M677382		2.85	17.65	0.20	1.0	0.151	2.92	13.0	9.8	0.91	1970	1.44	0.99	6.6	17.9	650
M677383		2.44	18.65	0.20	1.0	0.101	2.64	12.5	9.6	0.86	1640	1.68	1.50	7.6	18.3	660



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CERTIFICATE OF ANALYSIS WH12202861

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M677348		135.5	61.5	0.002	3.29	1.36	5.4	2	1.5	126.5	0.33	1.50	1.3	0.196	0.69
M677349		55.5	66.8	0.014	3.97	1.08	7.2	3	1.8	149.0	0.37	2.82	1.1	0.284	0.75
M677350		58.8	52.8	<0.002	1.59	1.09	4.8	2	0.8	273	0.42	0.62	2.4	0.175	0.68
M677351		63.9	47.6	<0.002	1.81	0.68	5.6	2	0.9	243	0.38	0.72	2.0	0.188	0.60
M677352		34.4	124.5	0.004	1.35	32.5	7.5	7	97.6	234	0.67	1.09	10.3	0.242	1.32
M677353		21.1	44.7	0.005	5.81	1.00	8.3	4	1.9	223	0.40	1.76	1.0	0.363	0.56
M677354		22.7	58.9	0.004	3.60	1.03	5.9	2	1.2	166.5	0.33	2.96	1.2	0.228	0.68
M677355		37.9	56.9	0.002	6.99	0.66	5.1	5	1.1	180.0	0.27	3.87	0.7	0.178	0.64
M677356		26.5	56.9	0.004	2.71	0.73	6.5	2	1.2	255	0.40	0.82	1.3	0.235	0.69
M677357		24.5	69.2	0.004	2.82	0.62	7.5	2	1.1	232	0.37	0.87	1.3	0.224	0.65
M677358		38.5	69.6	<0.002	2.99	0.82	7.9	2	1.7	162.5	0.42	0.84	1.7	0.297	0.79
M677359		21.5	62.2	<0.002	1.58	0.56	5.3	1	0.9	253	0.41	0.34	2.3	0.190	0.78
M677360		33.7	70.4	<0.002	4.68	0.72	5.5	3	1.0	153.0	0.37	0.87	1.6	0.214	0.82
M677361		21.2	69.1	<0.002	2.19	0.66	5.1	1	0.8	179.5	0.39	0.52	1.8	0.189	0.76
M677362		23.3	60.1	<0.002	1.30	0.68	5.4	1	0.8	337	0.41	0.45	2.3	0.193	0.64
M677363		34.6	122.0	0.003	1.37	30.4	7.5	7	93.4	234	0.67	0.97	10.9	0.242	1.38
M677364		22.8	32.9	<0.002	0.56	0.82	4.9	1	0.8	466	0.45	0.24	2.5	0.189	0.41
M677365		25.6	64.9	<0.002	2.58	0.65	5.9	2	0.9	240	0.33	0.64	1.3	0.199	0.69
M677366		37.7	78.6	<0.002	5.54	0.78	5.3	3	1.1	101.5	0.40	0.97	2.4	0.198	0.85
M677367		27.1	72.2	<0.002	2.47	0.57	4.7	2	0.8	153.0	0.41	0.62	2.6	0.175	0.88
M677368		24.6	72.0	<0.002	5.08	0.70	5.3	3	1.2	137.0	0.38	1.05	1.9	0.175	0.72
M677369		1.8	1.0	<0.002	0.02	0.10	0.3	1	<0.2	46.6	<0.05	<0.05	<0.2	<0.005	<0.02
M677370		17.2	67.2	0.002	2.88	0.71	6.7	2	1.2	209	0.38	0.88	1.6	0.242	0.71
M677371		23.7	62.8	0.004	3.33	0.67	5.8	2	1.0	172.0	0.32	1.23	1.5	0.194	0.72
M677372		17.6	64.7	0.002	2.12	0.67	6.0	2	1.0	258	0.31	0.73	1.4	0.192	0.71
M677373		14.2	60.7	0.004	3.32	0.49	5.6	3	1.0	214	0.33	0.55	2.0	0.177	0.67
M677374		14.3	62.2	0.003	3.47	0.49	5.0	3	1.1	216	0.37	0.52	2.1	0.183	0.68
M677375		27.1	67.0	0.002	2.27	0.55	6.1	2	0.9	236	0.38	0.75	2.6	0.188	0.68
M677376		14.7	73.0	<0.002	3.21	0.58	6.5	3	0.9	226	0.36	0.84	1.9	0.192	0.75
M677377		20.2	82.8	<0.002	1.61	0.58	5.7	2	1.1	170.5	0.43	0.45	2.7	0.198	0.78
M677378		29.9	97.0	<0.002	1.58	1.78	6.0	1	1.6	110.5	0.44	0.48	2.7	0.196	0.87
M677379		1.3	0.9	<0.002	<0.01	<0.05	0.2	1	<0.2	41.2	<0.05	<0.05	<0.2	<0.005	<0.02
M677380		22.1	57.1	<0.002	0.41	1.30	5.2	1	0.6	302	0.65	0.09	3.3	0.220	0.85
M677381		12.3	62.7	<0.002	0.35	0.93	5.3	1	0.5	325	0.59	0.10	3.1	0.202	0.76
M677382		21.8	67.7	<0.002	0.39	0.74	5.8	1	0.5	244	0.63	0.10	3.2	0.212	1.07
M677383		11.9	63.5	<0.002	0.28	0.86	5.7	1	0.5	343	0.61	0.08	2.6	0.218	0.86



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CERTIFICATE OF ANALYSIS WH12202861

Sample Description	Method Analyte Units LOR	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
M677348		50	11.8	3.7	2240	9.4
M677349		69	16.3	4.9	1000	6.3
M677350		41	9.3	4.2	191	22.3
M677351		49	9.0	4.5	612	16.7
M677352		55	30.7	31.1	163	63.1
M677353		77	14.4	8.8	248	7.6
M677354		50	10.9	5.3	372	9.0
M677355		42	10.7	4.9	540	2.5
M677356		56	12.0	5.8	281	8.3
M677357		53	11.3	6.3	287	9.7
M677358		63	17.2	6.6	336	16.8
M677359		46	10.2	5.5	288	25.5
M677360		49	12.0	5.9	317	15.2
M677361		40	8.4	5.2	271	19.0
M677362		43	6.8	5.4	243	29.1
M677363		55	29.8	30.3	161	59.5
M677364		44	2.1	5.0	111	40.4
M677365		45	7.9	5.5	371	8.4
M677366		40	8.6	6.3	676	18.8
M677367		39	8.3	5.2	443	27.1
M677368		44	8.1	5.6	1400	15.7
M677369		2	0.1	0.9	17	0.5
M677370		65	11.9	6.3	352	10.5
M677371		52	10.0	4.5	465	11.9
M677372		48	8.0	4.3	203	6.8
M677373		42	6.5	4.4	299	15.7
M677374		41	6.6	4.8	323	16.3
M677375		48	5.1	5.3	437	20.1
M677376		57	7.4	5.0	94	13.4
M677377		44	6.2	5.2	99	21.7
M677378		48	7.3	5.4	951	29.4
M677379		2	0.1	0.8	15	<0.5
M677380		50	1.6	8.6	187	31.9
M677381		50	1.5	9.4	82	32.7
M677382		53	2.6	8.3	105	30.8
M677383		53	1.6	8.6	652	35.2



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CERTIFICATE OF ANALYSIS WH12202861

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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CERTIFICATE WH12203879

Project: Mint

P.O. No.: Batch 12

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30- AUG- 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- QC	Crushing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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 WH12203879

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677384		4.69	0.007	0.19	7.02	5.9	2480	0.98	0.43	2.40	0.06	25.1	7.0	17	3.06	34.7
M677385		5.18	0.046	0.49	7.15	30.2	2990	0.83	1.14	2.41	0.46	27.8	7.8	18	2.89	75.6
M677386		6.13	0.136	0.86	6.92	91.3	420	0.54	2.58	1.38	0.55	20.2	6.2	24	1.62	198.0
M677387		8.09	0.150	1.62	7.31	30.9	500	0.62	2.48	0.74	9.16	21.2	3.6	31	1.64	502
M677388		5.28	0.073	0.81	7.56	18.7	1060	0.64	1.53	0.46	0.97	20.1	1.9	30	1.31	341
M677389		0.11	1.205	21.7	4.24	8970	530	1.53	224	12.80	2.92	222	70.4	52	5.70	>10000
M677390		6.18	0.099	0.66	7.45	20.7	340	0.58	2.01	0.63	1.39	19.85	3.9	29	1.35	111.0
M677391		2.87	0.113	0.65	7.69	16.3	330	0.60	2.31	0.52	1.85	23.9	4.0	30	1.38	81.7
M677392		7.48	0.106	0.65	7.48	15.4	370	0.51	2.03	0.85	0.93	17.00	4.0	25	1.20	43.4
M677393		5.42	0.175	0.67	7.49	12.3	310	0.60	2.43	0.66	0.53	27.5	10.7	27	1.35	95.3
M677394		1.90	0.203	0.70	7.60	13.3	300	0.55	2.29	0.65	0.33	25.3	10.9	27	1.26	71.0
M677395		6.40	0.981	2.48	7.12	18.8	180	0.58	4.08	1.14	1.72	44.0	23.8	26	1.50	907
M677396		3.29	0.478	1.11	7.27	15.3	140	0.57	3.87	0.60	1.54	43.5	15.9	28	1.44	227
M677397		4.72	1.220	4.22	7.47	54.2	250	0.45	8.04	0.43	1.79	23.3	54.0	28	1.17	904
M677398		3.31	0.477	1.34	6.86	20.6	160	0.48	5.03	0.30	1.17	17.55	54.3	27	0.96	102.0
M677399		2.96	0.371	0.84	7.37	31.3	140	0.54	3.22	1.06	1.59	21.6	21.8	25	1.16	110.5
M677400		2.64	0.832	1.60	6.82	29.8	170	0.45	7.72	0.55	1.12	14.80	85.1	23	1.06	56.9
M677401		4.73	<0.005	0.01	0.08	<5	130	<0.05	0.05	20.7	0.06	1.31	1.8	<1	<0.05	3.0
M677402		8.14	0.767	1.26	6.96	36.9	430	0.55	5.93	1.25	2.14	17.50	118.0	22	1.31	164.5
M677403		5.10	0.513	1.47	6.67	44.7	210	0.68	4.66	0.79	0.97	27.0	115.5	23	1.30	369
M677404		4.38	0.677	1.68	6.09	40.5	600	0.54	5.89	0.59	0.85	27.1	213	27	1.35	169.5
M677405		4.14	0.815	1.28	6.45	38.6	280	0.59	4.26	0.51	2.10	18.40	170.0	23	1.63	36.1
M677406		3.85	0.418	2.24	7.01	44.4	670	0.60	6.06	0.25	3.95	25.0	143.0	26	1.77	63.0
M677407		0.11	1.285	23.5	4.26	9120	610	1.52	233	13.00	2.97	226	69.8	51	5.75	>10000
M677408		3.59	0.884	3.64	6.64	48.3	560	0.55	6.82	1.06	6.38	14.40	71.7	24	1.94	192.0
M677409		2.97	0.388	1.31	6.90	36.3	780	0.54	2.79	1.42	5.84	15.35	27.4	22	1.80	126.5
M677410		3.06	2.76	7.65	6.40	64.6	540	0.46	9.61	1.42	13.40	13.95	134.5	20	1.69	276
M677411		5.71	0.329	0.75	6.65	44.7	110	0.55	2.88	0.97	1.90	19.15	61.7	23	1.76	123.5
M677412		<0.02	0.302	0.85	6.86	46.6	120	0.56	2.81	0.97	1.91	19.05	62.2	23	1.75	139.0
M677413		2.85	0.404	0.82	6.62	30.4	150	0.59	3.55	1.07	2.32	22.5	118.0	22	1.77	161.0
M677414		5.99	0.495	1.71	6.87	26.2	110	0.57	4.17	0.94	1.64	24.3	36.0	21	1.64	233
M677415		3.47	0.500	1.80	6.84	27.7	190	0.55	3.67	1.07	0.30	21.4	39.4	22	1.50	277
M677416		4.45	0.186	0.82	7.64	31.9	1470	0.76	2.26	1.19	1.33	24.4	7.2	24	1.84	152.5
M677417		3.74	2.75	5.78	7.35	72.6	50	0.59	35.2	0.52	0.71	10.65	131.5	27	2.34	976
M677418		5.92	<0.005	0.01	0.09	<5	30	<0.05	0.09	20.6	0.08	1.31	1.6	<1	<0.05	4.9
M677419		3.06	0.419	0.67	6.67	34.2	160	0.60	6.66	0.57	0.09	13.05	74.9	22	1.35	88.5



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CERTIFICATE OF ANALYSIS WH12203879

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677384		2.52	15.50	0.10	1.3	0.145	3.31	10.7	9.4	0.89	1760	1.90	1.00	7.6	14.4	670
M677385		3.37	15.95	0.14	1.2	0.275	4.10	11.8	18.9	0.92	2170	2.60	0.33	7.5	16.1	640
M677386		4.17	13.60	0.15	0.7	0.429	3.56	9.4	5.8	0.57	1460	5.98	0.31	4.6	17.4	400
M677387		2.97	12.60	0.13	0.7	0.543	3.65	10.7	4.4	0.38	870	2.63	0.71	4.8	10.8	420
M677388		2.89	14.15	0.14	0.8	0.631	4.24	10.3	2.9	0.32	494	3.04	0.46	4.6	7.2	430
M677389		11.40	13.40	0.27	1.7	5.01	1.09	141.0	40.0	1.23	1750	17.15	1.16	8.6	71.5	790
M677390		3.51	13.15	0.13	0.7	0.643	4.07	9.8	4.6	0.34	541	4.65	0.75	4.7	12.1	420
M677391		3.80	13.45	0.16	0.7	0.709	4.31	11.5	4.5	0.31	578	2.92	0.64	4.4	17.9	430
M677392		3.03	11.70	0.13	0.7	0.633	3.74	7.9	3.5	0.35	774	4.08	0.84	4.7	14.5	400
M677393		3.37	12.65	0.14	0.8	1.015	3.70	13.4	3.6	0.35	667	3.44	0.59	4.8	13.0	410
M677394		3.75	12.55	0.15	0.7	0.926	4.15	12.1	3.4	0.36	659	3.33	0.68	4.7	13.1	420
M677395		4.42	12.80	0.18	0.7	0.966	3.57	23.8	5.5	0.47	965	3.53	0.59	4.6	20.2	380
M677396		4.87	13.20	0.22	0.8	0.428	4.06	22.3	3.7	0.35	598	5.92	0.41	4.5	16.9	410
M677397		6.97	11.20	0.26	0.8	0.374	4.46	9.9	2.9	0.27	269	12.45	0.43	4.8	24.1	400
M677398		6.98	10.60	0.23	0.7	0.215	4.23	8.7	3.2	0.19	256	7.48	1.04	4.5	20.9	380
M677399		4.57	11.65	0.20	0.8	0.223	3.63	10.4	3.3	0.43	930	7.20	1.05	4.4	14.5	400
M677400		7.07	10.20	0.25	0.7	0.178	4.16	5.9	3.8	0.32	492	3.67	0.70	4.4	19.5	360
M677401		0.50	0.24	0.05	<0.1	<0.005	0.05	<0.5	1.0	12.50	195	0.13	0.01	0.4	3.6	250
M677402		5.32	11.65	0.20	0.7	0.218	3.93	8.0	6.2	0.58	1080	2.42	0.33	4.5	21.6	370
M677403		5.54	13.80	0.21	0.6	0.458	3.41	12.5	2.7	0.43	885	2.51	0.09	4.1	20.5	370
M677404		9.58	10.60	0.30	0.7	0.324	3.18	14.6	5.0	0.29	482	3.41	0.19	3.8	27.8	350
M677405		8.04	11.10	0.27	0.7	0.296	3.41	8.6	14.1	0.28	465	5.78	0.09	4.1	24.8	380
M677406		9.32	11.95	0.30	0.8	0.296	3.70	11.9	13.9	0.27	311	9.59	0.11	4.3	25.5	390
M677407		11.40	13.35	0.26	1.7	5.17	1.08	142.5	41.9	1.23	1760	15.55	1.15	8.7	70.6	810
M677408		9.41	11.05	0.27	0.8	0.304	3.35	6.0	13.1	0.53	1500	7.60	0.11	4.1	20.2	370
M677409		5.10	13.15	0.18	0.8	0.418	3.54	7.3	14.1	0.68	1630	10.90	0.09	4.2	15.4	390
M677410		9.42	10.90	0.28	0.6	0.499	3.80	5.5	22.2	0.64	1500	11.80	0.11	4.0	29.9	370
M677411		5.64	12.90	0.19	0.5	0.499	3.35	9.4	9.6	0.56	1040	8.46	0.08	4.2	19.1	390
M677412		5.76	13.15	0.19	0.5	0.501	3.45	9.4	9.6	0.57	1050	6.92	0.09	4.3	19.1	400
M677413		7.23	12.45	0.24	0.5	0.536	3.27	10.1	12.0	0.54	994	21.5	0.09	4.2	30.0	390
M677414		6.07	12.90	0.23	0.5	0.440	3.38	10.9	17.0	0.59	969	5.12	0.09	4.2	20.7	420
M677415		6.47	14.40	0.23	0.6	0.446	3.52	9.8	9.5	0.72	1060	4.39	0.09	4.2	19.2	410
M677416		2.79	15.75	0.14	1.0	0.231	3.74	12.7	13.5	0.69	796	1.28	1.10	5.1	14.5	430
M677417		15.30	18.80	0.49	0.6	0.514	4.11	3.5	4.4	0.41	361	11.90	0.10	4.7	32.8	410
M677418		0.51	0.28	0.05	<0.1	0.005	0.03	<0.5	0.9	12.65	204	0.12	0.01	0.4	3.3	170
M677419		7.52	14.65	0.26	0.6	0.365	3.35	5.3	16.1	0.60	493	7.03	0.11	4.3	22.8	390



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CERTIFICATE OF ANALYSIS WH12203879

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.1
M677384		13.8	72.1	<0.002	0.35	0.86	4.8	1	0.6	247	0.62	0.14	2.7	0.213	1.1
M677385		31.8	80.8	<0.002	1.06	0.94	4.9	1	0.9	188.5	0.62	0.43	2.6	0.218	1.2
M677386		40.6	95.4	<0.002	2.98	0.70	4.7	2	1.7	76.3	0.37	0.76	2.4	0.162	0.8
M677387		394	90.1	<0.002	2.40	1.27	5.1	2	1.3	86.8	0.38	1.17	2.4	0.177	1.0
M677388		38.8	107.5	<0.002	2.25	0.55	4.8	2	1.7	52.0	0.42	0.97	2.5	0.178	0.9
M677389		28.2	66.7	0.009	2.65	32.3	7.1	12	93.4	240	0.56	1.55	8.8	0.198	9.6
M677390		33.6	106.0	<0.002	2.96	0.58	4.8	2	1.2	90.4	0.39	1.57	2.3	0.173	0.9
M677391		46.8	104.5	<0.002	3.39	0.61	4.6	2	1.0	65.0	0.37	1.66	2.4	0.172	1.0
M677392		38.9	74.5	<0.002	2.56	0.45	4.6	2	1.0	92.3	0.40	1.52	2.3	0.170	0.8
M677393		29.1	87.4	<0.002	2.88	0.47	4.8	2	1.1	60.1	0.42	1.92	2.4	0.173	0.9
M677394		27.1	99.6	<0.002	3.30	0.48	4.8	2	1.1	57.8	0.39	1.93	2.5	0.175	0.9
M677395		41.4	94.9	<0.002	3.97	0.73	4.7	3	1.3	65.9	0.38	4.12	2.3	0.168	1.1
M677396		37.7	103.5	<0.002	4.74	0.61	4.5	3	1.5	50.5	0.37	3.69	2.2	0.173	1.3
M677397		102.5	82.0	0.004	7.23	6.31	4.8	3	1.9	81.5	0.38	8.76	2.4	0.168	1.3
M677398		46.3	91.5	0.003	7.41	0.48	4.7	2	1.2	96.1	0.37	5.09	2.1	0.163	1.3
M677399		30.0	90.6	0.004	4.28	0.49	4.7	2	1.0	85.1	0.37	3.73	2.3	0.164	1.1
M677400		49.3	90.2	0.006	7.38	0.53	3.7	2	0.9	78.1	0.34	7.50	2.1	0.151	1.0
M677401		1.9	1.1	<0.002	0.03	<0.05	0.2	1	<0.2	51.7	<0.05	<0.05	<0.2	<0.005	0.7
M677402		53.1	97.8	0.006	5.04	0.58	4.5	3	1.0	75.7	0.36	4.94	2.4	0.159	0.9
M677403		43.5	98.4	0.009	5.30	0.58	3.8	3	2.3	25.8	0.34	4.59	2.1	0.155	0.8
M677404		25.0	89.4	0.013	>10.0	0.59	3.7	3	1.3	37.8	0.31	6.53	1.8	0.142	1.2
M677405		64.0	94.6	0.019	8.44	0.73	3.9	3	1.4	29.5	0.35	4.92	1.8	0.153	1.2
M677406		209	102.0	0.021	9.88	0.89	4.3	3	1.6	27.1	0.35	6.20	2.0	0.163	1.1
M677407		29.2	67.2	0.009	2.61	33.5	7.0	12	94.5	243	0.57	1.87	9.1	0.198	10.1
M677408		236	96.7	0.006	9.82	0.97	3.8	4	1.3	39.8	0.32	7.33	1.9	0.147	1.0
M677409		150.0	104.5	0.007	4.42	0.65	4.3	2	1.6	43.3	0.34	2.56	2.2	0.156	0.9
M677410		315	94.8	0.009	9.42	0.78	4.0	4	1.4	62.0	0.29	10.75	1.8	0.139	0.7
M677411		21.3	98.9	0.005	4.88	0.53	4.0	2	1.5	31.3	0.33	3.32	1.9	0.152	0.6
M677412		22.6	103.5	0.006	5.01	0.51	4.0	2	1.5	32.8	0.34	3.20	1.9	0.156	0.6
M677413		27.8	95.0	0.016	6.78	0.54	3.9	3	1.3	32.1	0.34	3.66	1.7	0.149	0.6
M677414		64.2	93.4	0.005	5.41	0.60	3.8	3	1.9	49.5	0.35	4.44	1.9	0.156	0.6
M677415		47.8	93.1	0.005	5.57	0.51	4.1	3	3.2	36.9	0.36	4.05	2.0	0.167	0.6
M677416		40.7	92.4	<0.002	1.60	0.61	4.6	1	1.0	181.5	0.42	1.71	2.9	0.179	1.3
M677417		114.5	103.0	0.008	>10.0	0.77	4.7	9	8.3	43.5	0.35	42.3	1.4	0.156	0.6
M677418		1.6	1.1	<0.002	0.02	0.05	0.2	1	<0.2	47.3	<0.05	0.06	<0.2	0.005	0.6
M677419		13.0	88.3	0.006	7.19	0.50	4.2	3	2.1	33.8	0.36	6.31	2.0	0.160	0.6



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CERTIFICATE OF ANALYSIS WH12203879

Sample Description	Method Analyte Units LOR	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	Cu-OG62 Cu % 0.001
M677384		51	2.2	7.5	91	41.0	
M677385		53	4.9	7.4	171	36.1	
M677386		43	7.3	4.5	109	20.9	
M677387		44	8.8	3.9	1390	21.4	
M677388		45	10.7	3.9	171	23.0	
M677389		48	272	27.6	319	61.9	1.270
M677390		37	11.0	4.3	246	22.7	
M677391		33	8.1	4.5	347	23.9	
M677392		35	6.8	4.1	171	19.9	
M677393		34	7.1	5.3	105	22.9	
M677394		34	6.8	5.1	67	22.6	
M677395		33	7.1	6.0	303	22.1	
M677396		32	8.4	6.1	263	27.3	
M677397		24	7.6	5.6	273	28.2	
M677398		25	7.4	5.1	195	22.4	
M677399		29	5.8	5.5	280	22.8	
M677400		24	6.2	4.7	195	22.9	
M677401		2	0.1	0.8	17	0.5	
M677402		34	6.4	4.8	347	22.7	
M677403		23	6.8	3.8	157	20.5	
M677404		18	7.4	5.6	142	23.4	
M677405		21	10.1	5.4	335	22.2	
M677406		26	14.1	4.8	624	26.8	
M677407		47	282	28.0	319	62.2	1.250
M677408		28	11.2	4.4	1040	25.9	
M677409		34	7.1	4.5	892	26.1	
M677410		26	5.7	3.9	2010	18.5	
M677411		31	6.6	3.7	308	16.9	
M677412		31	6.7	3.9	315	18.2	
M677413		30	6.8	4.2	364	16.6	
M677414		34	6.9	3.7	274	16.8	
M677415		35	5.5	3.3	70	18.6	
M677416		41	4.2	5.0	229	29.5	
M677417		41	7.4	2.2	115	18.7	
M677418		2	0.1	0.8	15	0.6	
M677419		37	12.2	2.7	36	18.3	



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CERTIFICATE OF ANALYSIS WH12203879

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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CERTIFICATE WH12203890

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P.O. No.: Batch 13

This report is for 22 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30- AUG- 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
CRU- 31	Fine crushing - 70%<2mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 21	Sample logging - ClientBarCode
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

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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Project: Mint

CERTIFICATE OF ANALYSIS WH12203890

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
M677420		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677421		2.93	0.487	2.30	6.64	35.0	200	0.67	8.26	1.03	2.35	20.0	28.6	20	1.79	167.5
M677422		4.99	0.143	2.06	6.91	43.8	250	0.68	4.55	0.80	0.55	24.1	18.1	22	1.68	178.5
M677423		2.47	0.149	1.01	6.61	18.2	150	0.83	5.24	0.83	0.55	28.4	20.1	20	1.58	150.0
M677424		7.77	0.207	1.43	6.89	33.8	600	0.80	3.15	1.06	1.01	23.3	8.5	22	1.59	86.7
M677425		6.11	0.230	1.06	7.02	19.8	470	0.77	3.08	0.90	1.24	36.8	5.9	24	1.71	227
M677426		4.30	<0.005	0.13	0.06	<5	30	0.05	0.03	19.80	0.06	1.24	1.4	<1	0.09	2.2
M677427		6.26	0.224	1.03	7.32	53.7	1260	0.88	2.25	1.31	0.70	35.0	6.2	24	1.58	131.0
M677428		5.75	0.191	1.50	6.89	44.7	1250	0.81	4.98	1.45	1.25	29.2	6.6	22	1.78	117.0
M677429		4.49	0.079	0.73	6.92	10.3	1090	1.06	0.89	2.01	0.55	19.55	6.9	32	1.58	94.5
M677430		5.44	0.033	0.68	7.08	16.7	930	0.92	0.89	2.33	0.13	21.1	6.1	35	1.22	57.3
M677431		0.10	0.805	6.51	4.64	8020	1170	1.44	187.5	11.70	1.00	436	75.0	49	9.27	3310
M677432		5.41	0.033	0.45	7.48	13.9	570	0.95	0.60	4.31	0.07	35.1	21.4	144	3.03	67.1
M677433		7.87	0.018	0.60	7.63	9.1	520	0.97	0.07	4.41	0.04	34.5	20.0	140	2.51	60.2
M677434		4.44	0.086	0.40	7.09	15.0	310	0.89	0.83	3.55	0.06	29.0	22.0	127	1.36	166.5
M677435		2.10	0.074	0.51	7.44	15.1	320	0.91	1.12	3.69	0.06	31.7	21.1	133	1.41	169.5
M677436		4.59	0.289	2.42	7.09	23.2	370	1.16	3.35	2.64	32.7	31.5	22.6	112	3.05	158.5
M677437		8.91	0.125	0.89	7.27	14.5	480	1.07	0.92	3.64	0.36	31.8	20.5	101	2.11	133.0
M677438		8.20	0.046	0.32	7.45	23.7	420	0.97	0.86	3.70	0.09	36.4	21.3	153	2.51	169.0
M677439		<0.02	0.044	0.32	7.38	21.7	420	0.95	0.87	3.75	0.05	33.3	20.1	153	2.45	160.5
M677440		8.08	0.062	0.40	6.87	29.9	810	0.93	1.02	2.83	0.98	28.4	19.9	86	1.44	104.0
M677441		4.25	0.134	1.00	6.87	28.1	770	0.82	1.60	2.52	1.22	29.4	20.1	88	1.19	141.5
		3.80	0.083	0.56	7.07	16.0	580	1.02	1.19	2.93	1.68	28.2	15.6	98	1.51	78.6



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CERTIFICATE OF ANALYSIS WH12203890

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677420		5.82	15.10	0.13	0.6	0.377	3.04	10.4	19.5	0.82	944	3.71	0.17	4.6	21.7	410
M677421		4.52	15.85	0.15	0.7	0.419	3.22	12.8	12.0	0.69	842	4.94	0.23	4.7	16.7	430
M677422		5.17	15.50	0.16	0.5	0.461	3.05	16.0	8.6	0.70	648	4.67	0.20	4.2	18.6	410
M677423		3.45	16.40	0.14	0.6	0.341	2.86	14.1	9.8	0.83	867	2.87	0.87	4.9	16.4	450
M677424		3.44	17.65	0.13	0.5	0.470	3.17	23.4	15.4	0.88	919	8.38	0.37	4.9	15.7	420
M677425		0.43	0.29	0.06	<0.1	<0.005	0.03	0.6	0.8	12.25	202	0.13	0.01	0.3	1.9	200
M677426		2.79	16.55	0.10	0.7	0.196	2.70	22.2	16.8	0.95	897	2.14	1.54	5.0	18.0	450
M677427		2.50	15.80	0.11	0.6	0.154	2.48	16.8	19.7	0.89	1000	1.58	1.47	4.8	20.3	450
M677428		2.18	16.95	0.09	0.7	0.202	1.63	10.1	10.7	0.62	670	1.27	2.53	5.1	21.9	460
M677429		2.40	16.25	0.09	0.6	0.200	1.35	11.4	6.0	0.76	642	0.88	2.83	4.9	23.9	450
M677430		8.72	20.1	0.62	1.9	1.815	1.77	247	36.2	1.31	2350	14.65	0.77	9.8	38.1	940
M677431		4.25	17.50	0.14	0.5	0.070	0.85	17.0	5.7	2.49	945	1.36	2.31	10.3	105.5	1470
M677432		3.99	17.95	0.14	0.4	0.030	0.77	15.6	5.0	2.20	719	1.54	2.53	10.4	99.7	1490
M677433		3.96	17.10	0.12	0.3	0.255	0.66	12.7	9.0	2.43	789	1.23	1.95	8.7	100.0	1310
M677434		4.10	17.45	0.13	0.3	0.260	0.66	14.1	9.4	2.56	833	1.29	2.01	9.2	103.0	1420
M677435		5.54	17.35	0.17	0.3	0.204	2.01	14.1	10.4	1.76	1060	1.07	0.99	9.6	94.3	1360
M677436		4.29	17.45	0.15	0.3	0.219	0.91	13.9	8.5	1.88	1120	1.84	2.07	9.9	79.7	1410
M677437		4.68	18.50	0.17	0.4	0.325	0.93	16.2	8.2	2.82	825	1.05	2.11	10.8	113.0	1610
M677438		4.69	17.65	0.15	0.4	0.305	0.92	14.6	8.2	2.83	843	1.09	2.12	10.3	111.0	1630
M677439		4.01	16.35	0.16	0.3	0.536	1.10	13.0	8.6	1.88	1070	1.48	2.54	7.7	71.0	1070
M677440		4.60	15.90	0.14	0.3	0.539	1.17	13.4	9.2	1.85	1340	2.07	2.47	8.5	66.9	1160
M677441		3.87	16.95	0.14	0.3	0.471	1.11	12.5	9.6	2.03	1220	1.11	2.40	8.2	75.2	1150



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CERTIFICATE OF ANALYSIS WH12203890

Sample Description	Method Analyte Units LOR	ME- MS61 Pb ppm 0.5	ME- MS61 Pb ppm 0.1	ME- MS61 Fe 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 Tl ppm 0.02	ME- MS61 U ppm 0.1
M677420		83.3	91.5	0.004	5.12	5.02	5.5	3	1.4	56.3	0.37	5.74	2.1	0.175	0.83	0.8
M677421		44.9	95.8	0.012	3.78	3.43	5.6	3	2.2	45.0	0.38	3.10	2.3	0.180	0.84	0.9
M677422		23.4	93.3	0.027	4.60	2.73	5.3	3	1.5	36.8	0.36	3.80	2.3	0.163	0.82	0.6
M677423		29.0	84.7	0.002	2.55	2.09	5.7	2	1.3	82.2	0.40	2.32	2.5	0.192	0.82	0.8
M677424		25.5	92.4	0.019	2.47	1.93	5.6	3	2.0	68.4	0.40	1.96	2.5	0.191	0.78	0.7
M677425		1.8	1.2	<0.002	<0.01	0.35	0.3	1	<0.2	45.8	<0.05	<0.05	<0.2	<0.005	<0.02	0.8
M677426		37.6	83.6	0.002	1.87	1.55	5.6	2	1.0	154.0	0.42	1.72	2.7	0.196	0.83	1.0
M677427		42.8	74.1	<0.002	1.83	2.15	5.3	2	1.0	152.0	0.39	3.42	2.3	0.190	0.85	0.8
M677428		12.8	45.0	<0.002	0.94	2.25	6.5	1	0.6	376	0.43	0.83	2.2	0.211	0.48	0.6
M677429		10.5	40.5	<0.002	1.07	2.20	6.5	1	1.2	382	0.41	0.54	2.5	0.202	0.40	0.7
M677430		34.0	119.0	0.003	1.26	30.6	9.2	7	100.5	236	0.64	0.83	10.2	0.241	1.14	13.4
M677431		7.0	21.2	0.003	0.75	2.51	14.7	2	1.1	668	0.61	0.32	1.5	0.515	0.29	0.7
M677432		4.1	16.7	0.002	0.35	2.51	14.3	2	1.0	684	0.60	0.05	1.5	0.525	0.29	0.5
M677433		6.6	14.7	0.002	1.43	2.71	13.1	2	1.0	497	0.52	1.40	1.2	0.455	0.23	0.4
M677434		6.6	15.0	0.002	1.43	2.87	13.4	2	1.1	519	0.53	1.61	1.3	0.477	0.21	0.4
M677435		1200	47.3	0.002	4.66	8.87	12.0	4	2.0	187.5	0.58	2.99	1.3	0.446	0.52	0.6
M677436		19.1	21.6	0.003	1.33	3.02	11.5	2	0.9	508	0.62	0.99	1.6	0.455	0.35	0.5
M677437		8.7	28.9	<0.002	1.16	2.54	14.6	2	1.2	522	0.61	1.14	1.3	0.510	0.44	0.4
M677438		6.8	24.0	0.002	1.13	2.43	13.7	2	1.1	527	0.61	1.20	1.2	0.511	0.41	0.3
M677439		7.8	33.2	0.002	2.07	2.19	10.6	2	1.0	332	0.47	1.14	1.3	0.352	0.39	0.4
M677440		8.5	34.1	<0.002	2.68	1.83	10.3	2	1.2	258	0.52	1.64	1.3	0.374	0.43	0.4
M677441		10.5	30.4	<0.002	1.76	2.17	11.0	2	1.2	343	0.50	1.10	1.1	0.405	0.39	0.4



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CERTIFICATE OF ANALYSIS WH12203890

Sample Description	Method Analyte Units LOR	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
M677420		43	14.1	4.6	379	22.4
M677421		41	13.5	4.9	108	22.7
M677422		40	12.6	5.4	104	19.3
M677423		43	8.2	5.1	199	20.4
M677424		44	6.5	4.7	211	19.2
M677425		3	0.1	0.9	15	<0.5
M677426		43	3.6	5.4	143	25.6
M677427		43	3.5	5.5	215	21.5
M677428		49	1.2	5.6	116	22.1
M677429		46	1.1	6.2	69	19.1
M677430		54	35.6	33.5	165	68.3
M677431		114	1.5	12.7	95	12.6
M677432		115	1.0	12.2	54	12.1
M677433		103	1.6	10.8	77	8.1
M677434		107	1.7	11.2	83	8.7
M677435		101	2.9	10.7	3580	9.0
M677436		101	1.4	11.6	117	6.7
M677437		116	1.6	12.4	92	10.9
M677438		116	1.4	11.4	89	10.3
M677439		85	1.6	9.9	230	7.3
M677440		82	2.1	9.9	238	7.1
M677441		95	1.7	9.7	352	7.3



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Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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CERTIFICATE WH12212356

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P.O. No.: Batch 15

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9- SEP- 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
LOG- 23	Pulp Login - Rcvd with Barcode
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS
Au- AA24	Au 50g FA AA finish AAS

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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		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677478		6.60	0.037	0.13	8.04	12.1	330	0.79	0.31	2.88	0.14	22.1	18.3	24	1.23	45.2
M677479		7.02	0.032	0.15	8.29	7.2	350	0.79	0.24	3.21	0.04	20.8	14.6	27	1.73	41.6
M677480		6.86	0.145	0.58	7.35	7.7	1090	0.77	0.45	2.41	0.69	16.95	11.7	36	1.41	131.5
M677481		6.61	0.031	0.12	7.11	3.4	870	0.83	0.55	1.99	0.09	15.85	5.7	32	1.20	22.9
M677482		6.33	0.043	0.16	7.23	8.2	530	0.86	0.45	2.17	0.05	19.60	8.2	61	0.89	148.0
M677483		0.11	0.792	7.06	4.81	7580	1160	1.50	198.5	11.95	0.91	416	73.2	43	9.07	3240
M677484		6.46	0.022	0.09	7.33	23.5	810	0.79	0.95	1.77	0.04	14.55	10.6	33	1.80	14.8
M677485		6.36	0.023	0.10	7.08	6.4	1100	0.89	0.78	1.94	0.10	15.95	5.7	32	1.27	21.9
M677486		6.65	0.048	0.19	6.98	20.2	660	0.70	0.55	2.04	0.03	15.85	8.6	31	1.23	32.9
M677487		6.67	0.053	0.09	7.66	19.1	760	0.71	0.80	2.10	0.05	18.70	8.0	36	1.25	29.4
M677488		<0.02	0.043	0.09	7.65	20.2	850	0.71	0.89	2.06	0.05	18.05	8.0	35	1.22	26.7
M677489		6.79	0.059	0.22	7.41	8.7	1550	0.88	0.40	2.51	0.06	19.35	10.7	58	1.16	139.5
M677490		7.27	0.036	0.12	8.02	7.3	450	0.85	0.28	2.95	0.11	38.0	11.2	151	1.16	114.5
M677491		6.92	0.017	0.11	7.91	4.8	420	1.02	0.18	3.45	0.55	43.1	13.6	150	1.37	57.2
M677492		6.11	0.092	0.43	7.95	6.3	650	1.01	0.39	4.41	0.06	49.9	14.0	160	1.06	313
M677493		6.88	0.125	0.42	7.60	12.9	1050	0.79	0.73	1.91	0.58	17.55	6.8	34	1.58	53.8
M677494		2.84	<0.005	0.01	0.09	<5	40	0.07	0.03	21.3	0.07	1.19	1.5	<1	0.29	3.1
M677495		3.85	0.208	0.87	7.46	18.8	320	0.77	1.05	1.49	2.72	14.25	9.6	29	1.57	266
M677496		6.52	0.107	0.54	7.64	3.7	1640	0.84	0.65	1.39	0.72	18.20	7.9	33	1.46	28.9
M677497		5.94	0.245	3.70	7.33	102.0	470	0.85	2.83	1.21	5.58	11.05	10.0	25	1.41	1000
M677498		6.30	0.094	0.38	7.65	1.9	1070	0.87	0.38	1.53	0.40	15.05	6.4	34	1.52	42.5
M677499		0.10	0.846	7.04	5.02	8390	1240	1.63	212	12.35	1.4	408	74.5	49	9.63	3390
M677500		6.27	0.067	0.44	7.37	3.9	1480	0.79	0.82	1.67	0.47	17.30	7.3	33	1.67	47.9
M677501		4.38	0.141	1.04	7.64	3.9	940	0.78	1.73	1.90	1.06	17.90	6.7	35	1.90	523
M677502		3.53	0.052	0.18	6.68	3.7	850	1.10	0.33	2.07	0.42	12.95	6.0	32	1.29	53.9
M677503		6.33	0.079	0.18	6.65	3.7	860	1.02	0.32	1.99	0.34	14.05	8.0	30	1.61	41.2
M677504		2.81	<0.005	0.01	0.06	<5	30	0.07	0.05	19.85	0.07	1.09	1.1	<1	0.15	2.0
M677505		6.11	0.058	0.86	6.66	6.4	410	1.16	0.38	1.99	1.32	17.25	5.2	30	2.26	75.2
M677506		6.11	0.068	0.25	7.05	3.4	530	1.04	0.38	1.87	0.36	17.00	6.2	31	1.44	111.5
M677507		5.87	0.052	0.21	7.09	1.9	670	0.98	0.34	1.73	0.65	17.35	5.2	31	1.34	44.7
M677508		6.18	0.034	0.11	6.95	1.6	500	1.00	0.29	1.77	0.07	17.95	5.4	31	1.43	10.0
M677509		6.69	0.077	0.41	6.92	2.1	630	0.98	0.45	2.04	0.21	17.80	6.3	30	1.35	250
M677510		3.52	0.062	0.39	6.88	2.2	630	0.89	0.47	2.00	0.14	17.15	6.0	30	1.36	245
M677511		6.53	0.042	0.57	6.87	2.0	570	0.95	0.54	1.90	0.69	16.45	6.1	32	1.58	332
M677512		5.13	0.058	0.55	6.78	2.5	580	0.90	0.60	1.76	0.23	17.65	6.0	30	1.87	150.0
M677513		5.64	0.139	0.47	7.01	4.5	570	1.06	2.03	1.37	0.43	18.40	11.2	30	1.79	197.5



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CERTIFICATE OF ANALYSIS WH12212356

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677478		3.97	18.75	0.12	0.2	0.021	0.97	10.0	8.6	1.33	349	4.99	3.23	5.3	29.0	1260
M677479		4.32	19.60	0.15	0.2	0.022	1.41	10.6	8.4	1.77	308	1.42	3.23	6.5	39.1	1210
M677480		2.54	15.95	0.14	0.5	0.042	1.41	9.7	6.2	1.02	362	1.10	2.62	5.2	36.5	590
M677481		1.63	16.55	0.11	0.6	0.016	1.10	9.5	5.4	0.81	247	0.62	2.83	4.6	32.8	370
M677482		2.64	16.40	0.13	0.5	0.023	0.73	10.5	7.1	1.23	255	4.21	2.90	4.4	51.0	720
M677483		9.00	18.55	0.40	1.8	1.640	1.86	240	37.3	1.33	2290	14.10	0.80	8.8	36.8	900
M677484		2.65	15.10	0.12	0.4	0.024	1.66	8.8	5.6	0.83	257	0.62	2.39	3.9	31.5	390
M677485		1.82	15.30	0.10	0.8	0.017	1.18	9.7	6.1	0.76	233	1.09	2.68	4.3	30.2	400
M677486		2.56	15.25	0.12	0.7	0.021	1.34	9.7	5.9	0.75	225	0.81	2.52	3.6	29.3	360
M677487		2.54	16.25	0.12	0.5	0.018	1.38	11.4	5.7	0.81	211	0.58	2.67	4.0	31.8	410
M677488		2.47	14.85	0.13	0.5	0.018	1.36	10.9	5.4	0.81	202	0.52	2.67	3.7	31.3	390
M677489		2.83	16.60	0.14	0.6	0.027	1.02	11.2	6.3	1.11	236	0.96	2.61	4.9	48.1	690
M677490		4.72	17.90	0.19	0.4	0.034	1.13	20.8	8.9	2.68	370	2.25	2.56	10.2	112.0	1850
M677491		3.67	17.90	0.20	0.5	0.041	1.10	21.6	8.5	2.62	334	1.75	2.61	6.9	97.8	1990
M677492		3.84	19.05	0.18	0.7	0.065	0.61	25.5	10.1	2.94	504	0.88	2.41	12.4	118.0	2140
M677493		2.50	15.70	0.12	0.7	0.035	1.79	10.8	7.0	0.92	264	0.53	2.38	3.9	30.9	390
M677494		0.50	0.44	0.08	<0.1	<0.005	0.03	0.7	1.4	12.75	230	0.12	0.01	0.3	2.9	210
M677495		3.59	14.80	0.17	0.6	0.124	2.00	9.1	7.2	0.83	237	0.45	1.93	3.0	31.7	340
M677496		2.25	15.00	0.11	0.6	0.020	1.83	11.2	7.1	0.81	275	0.57	2.46	3.7	30.9	370
M677497		3.09	14.75	0.15	0.6	0.091	2.09	6.0	6.7	0.69	254	0.69	1.79	4.1	29.6	330
M677498		1.89	15.35	0.10	0.6	0.022	1.64	9.1	8.1	0.85	322	0.92	2.56	4.2	33.4	370
M677499		8.64	18.30	0.44	1.6	1.805	1.84	266	45.4	1.33	2420	16.00	0.79	9.1	42.8	960
M677500		1.99	15.55	0.10	0.6	0.043	1.54	10.7	7.8	0.75	249	0.94	2.40	4.1	31.7	380
M677501		1.90	15.70	0.09	0.6	0.093	1.33	11.2	9.5	0.79	305	0.77	2.62	4.2	31.9	390
M677502		1.86	16.35	0.07	0.7	0.031	0.87	7.0	7.1	0.77	189	0.53	2.96	4.5	28.8	350
M677503		1.75	16.40	0.10	0.7	0.031	0.98	7.6	7.5	0.76	213	0.38	2.90	4.5	27.2	340
M677504		0.45	0.36	0.32	<0.1	<0.005	0.02	0.5	1.2	12.25	198	0.14	0.01	0.3	1.3	170
M677505		1.48	16.70	0.20	0.7	0.031	1.22	9.1	10.5	0.82	346	0.42	2.73	4.5	26.1	350
M677506		1.70	17.25	0.17	0.7	0.033	0.96	9.2	6.2	0.84	228	0.84	3.12	4.6	28.4	360
M677507		1.59	17.60	0.13	0.7	0.031	0.93	9.4	5.5	0.87	194	0.91	3.21	4.5	28.2	370
M677508		1.82	17.05	0.11	0.7	0.031	0.78	9.9	5.2	0.82	173	0.57	3.23	4.5	27.4	350
M677509		1.70	17.80	0.12	0.7	0.060	0.90	9.9	4.9	0.77	175	15.30	3.14	4.8	28.9	360
M677510		1.73	17.10	0.11	0.7	0.049	0.93	9.5	4.6	0.76	174	13.20	3.04	4.6	27.8	340
M677511		1.69	17.45	0.11	0.5	0.082	1.06	8.9	5.4	0.83	203	21.7	2.91	3.8	30.1	360
M677512		1.69	17.75	0.12	0.5	0.044	1.47	9.4	7.6	0.79	307	16.45	2.41	3.5	30.1	360
M677513		2.69	17.70	0.11	0.5	0.051	1.77	10.2	5.6	0.78	156	3.87	1.93	3.2	29.4	360



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CERTIFICATE OF ANALYSIS WH12212356

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M677478		13.2	22.8	0.021	2.00	1.01	12.3	1	1.3	530	0.37	0.20	1.4	0.441	0.34
M677479		6.1	35.4	0.002	1.21	0.70	15.1	3	1.3	517	0.42	0.17	1.1	0.548	0.51
M677480		20.3	40.5	<0.002	1.47	0.83	7.8	2	1.3	332	0.44	0.51	2.0	0.245	0.46
M677481		10.3	29.8	<0.002	0.86	0.53	5.5	2	1.1	391	0.43	0.26	2.6	0.146	0.32
M677482		5.5	20.0	0.002	1.58	0.65	8.5	2	1.1	435	0.37	0.25	2.0	0.238	0.24
M677483		32.5	124.5	0.006	1.26	29.9	7.1	6	97.0	236	0.61	1.11	10.5	0.225	1.26
M677484		5.6	50.0	<0.002	2.21	0.81	5.8	2	1.1	271	0.34	0.43	2.5	0.158	0.53
M677485		8.8	33.5	<0.002	1.17	0.54	5.7	2	0.9	396	0.41	0.36	2.7	0.147	0.35
M677486		5.5	32.4	<0.002	2.12	0.53	5.5	2	1.4	355	0.34	0.39	2.4	0.134	0.35
M677487		6.9	33.5	<0.002	2.12	0.48	5.4	2	1.5	341	0.33	0.57	2.5	0.152	0.37
M677488		5.8	32.1	<0.002	2.09	0.49	5.2	2	1.4	341	0.32	0.53	2.7	0.150	0.38
M677489		7.0	21.1	<0.002	1.85	0.68	6.8	2	1.4	466	0.40	0.31	2.5	0.238	0.30
M677490		5.5	32.8	<0.002	1.46	0.71	14.3	3	1.5	542	0.60	0.18	1.9	0.611	0.49
M677491		7.8	27.8	<0.002	1.23	0.58	14.4	3	1.6	597	0.45	0.11	1.7	0.557	0.53
M677492		13.3	18.1	<0.002	1.25	1.05	15.7	3	1.9	615	0.70	0.22	2.1	0.708	0.23
M677493		13.3	45.4	<0.002	2.28	0.55	5.1	3	2.2	253	0.33	0.65	2.6	0.146	0.53
M677494		1.9	1.7	<0.002	<0.01	<0.05	0.3	2	<0.2	47.1	<0.05	<0.05	<0.2	<0.005	<0.02
M677495		25.5	49.7	<0.002	3.66	0.73	4.9	4	2.6	192.0	0.29	1.02	2.7	0.121	0.54
M677496		25.8	48.6	<0.002	1.72	0.53	5.3	2	1.3	222	0.32	0.92	2.8	0.148	0.51
M677497		334	61.2	0.003	2.51	35.3	4.5	2	1.7	160.0	0.35	1.71	2.6	0.147	0.53
M677498		17.7	45.5	<0.002	1.69	0.95	5.1	2	1.3	252	0.37	0.71	2.9	0.154	0.48
M677499		34.4	127.5	0.003	1.31	31.7	8.7	8	102.0	237	0.60	1.07	11.3	0.236	1.36
M677500		15.3	42.7	<0.002	1.83	1.88	5.2	2	1.6	274	0.37	0.68	2.8	0.149	0.43
M677501		14.5	36.5	<0.002	1.68	1.88	5.4	2	1.9	283	0.39	1.42	2.7	0.156	0.41
M677502		7.5	22.7	<0.002	1.27	0.42	5.3	1	1.5	311	0.40	0.28	2.3	0.151	0.27
M677503		7.2	28.9	<0.002	1.22	0.38	5.3	1	1.5	295	0.39	0.34	2.3	0.153	0.34
M677504		2.0	1.1	<0.002	<0.01	0.05	0.2	1	<0.2	51.8	<0.05	<0.05	<0.2	<0.005	<0.02
M677505		59.7	39.4	<0.002	0.98	6.05	5.3	1	1.6	239	0.38	0.43	2.3	0.154	0.47
M677506		8.8	28.4	<0.002	1.02	1.98	5.6	1	1.5	338	0.42	0.45	2.7	0.151	0.32
M677507		7.2	26.9	<0.002	1.02	0.42	5.6	1	1.5	352	0.39	0.34	2.6	0.150	0.30
M677508		5.1	23.5	<0.002	1.23	0.36	5.5	1	1.0	339	0.40	0.36	2.6	0.151	0.26
M677509		8.9	24.3	0.024	1.18	0.51	5.5	2	2.5	387	0.41	0.40	2.7	0.152	0.25
M677510		8.8	25.8	0.021	1.17	0.45	5.3	1	2.5	379	0.41	0.41	2.6	0.151	0.27
M677511		8.7	31.3	0.025	1.22	0.77	5.5	2	2.9	364	0.34	0.45	2.5	0.139	0.35
M677512		10.7	53.0	0.017	1.38	1.18	5.7	2	1.9	236	0.29	0.57	2.5	0.129	0.54
M677513		22.1	60.2	0.003	2.71	2.00	5.5	3	2.0	211	0.26	1.40	2.9	0.116	0.53



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CERTIFICATE OF ANALYSIS WH12212356

Sample Description	Method Analyte Units LOR	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
M677478		130	1.4	12.7	70	5.3
M677479		141	0.9	13.9	38	3.8
M677480		62	0.5	7.4	114	10.2
M677481		39	0.4	5.7	34	12.6
M677482		62	0.7	7.9	31	9.7
M677483		51	30.6	28.9	156	58.5
M677484		40	0.6	5.6	29	6.3
M677485		38	0.4	5.9	30	14.9
M677486		37	0.3	5.2	22	14.9
M677487		41	0.4	6.2	24	11.6
M677488		40	0.4	5.8	23	11.2
M677489		55	0.4	6.8	33	13.0
M677490		121	0.7	13.0	40	10.7
M677491		123	0.9	13.8	78	11.8
M677492		131	0.8	15.2	59	19.1
M677493		39	0.6	5.6	98	16.3
M677494		1	0.1	0.9	18	<0.5
M677495		35	1.0	5.0	362	14.4
M677496		40	0.7	6.4	100	13.5
M677497		36	0.6	5.1	551	12.7
M677498		38	0.4	4.6	71	12.6
M677499		55	29.2	32.0	165	57.0
M677500		37	0.5	5.1	73	13.5
M677501		40	0.5	5.7	149	13.7
M677502		35	0.4	6.3	64	16.2
M677503		35	0.4	5.4	52	16.1
M677504		2	0.1	0.8	17	<0.5
M677505		36	0.3	5.0	156	15.4
M677506		36	0.4	5.5	59	15.8
M677507		37	0.3	5.5	81	16.3
M677508		35	0.4	5.6	27	16.9
M677509		37	0.7	5.7	40	16.5
M677510		37	0.7	5.5	33	15.9
M677511		38	1.0	5.8	90	11.1
M677512		38	0.7	5.5	42	11.0
M677513		36	0.9	4.9	54	11.8



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CERTIFICATE OF ANALYSIS WH12212356

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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CERTIFICATE WH12212390

Project: Mint

P.O. No.: Batch 14

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 10- SEP- 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
PUL- 31d	Pulverize Split - duplicate
SPL- 21d	Split sample - duplicate
LOG- 24	Pulp Login - Rcd w/ o Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS
Au- AA24	Au 50g FA AA finish AAS

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

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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Account: RANSIL

Project: Mint

CERTIFICATE OF ANALYSIS WH12212390

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677442		5.99	0.008	0.15	7.91	6.9	590	0.75	0.19	1.75	0.08	15.15	7.4	63	0.64	12.2
M677443		5.69	0.005	0.05	7.72	5.0	660	0.82	0.15	1.56	0.07	14.90	8.3	60	0.62	7.1
M677444		5.77	0.007	0.05	7.23	4.9	620	0.86	0.20	1.54	0.07	12.50	8.1	52	0.62	9.3
M677445		5.52	0.007	0.08	7.70	2.4	560	0.85	0.21	1.92	0.06	18.55	5.1	57	0.52	25.8
M677446		6.67	0.021	0.16	7.62	6.1	470	0.84	0.20	2.50	0.06	25.2	10.9	139	1.27	42.8
M677447		<0.02	0.023	0.19	7.84	6.5	470	0.90	0.21	2.54	0.06	26.5	11.3	139	1.31	46.5
M677448		7.17	0.011	0.12	7.40	5.7	450	0.97	0.23	2.47	0.40	17.25	16.8	75	0.74	23.2
M677449		7.31	0.023	0.31	8.29	7.0	400	0.95	0.40	3.11	0.24	19.45	21.3	32	1.36	42.8
M677450		6.98	0.017	0.15	8.46	7.1	500	0.94	0.57	3.24	0.11	22.0	27.4	24	1.25	37.0
M677451		6.87	0.022	0.28	8.49	6.1	530	0.97	0.39	2.69	0.16	25.0	18.6	29	1.39	92.3
M677452		0.26	0.811	6.77	5.14	8620	1260	1.10	204	12.60	1.01	472	74.8	50	10.15	3460
M677453		3.84	0.045	0.47	8.45	14.3	920	0.91	0.51	1.95	0.64	24.6	53.2	24	1.37	44.7
M677454		3.84	0.151	4.04	8.81	12.8	680	0.93	0.45	1.79	0.96	13.75	25.9	22	1.20	45.1
M677455		5.50	0.021	0.14	8.98	5.0	940	0.91	0.22	1.34	0.24	12.10	24.3	22	1.15	40.7
M677456		6.19	0.027	0.15	8.75	3.5	700	0.90	0.24	2.12	0.15	19.85	31.4	25	0.88	76.9
M677457		2.11	<0.005	0.01	0.09	<5	20	0.05	0.03	21.3	0.07	1.36	1.5	<1	0.27	2.6
M677458		6.85	0.018	0.11	8.82	7.4	470	0.90	0.24	2.20	0.06	23.2	22.9	25	0.79	29.0
M677459		6.62	0.014	0.18	8.68	4.7	380	0.89	0.16	2.89	0.13	26.2	22.4	25	1.05	18.4
M677460		6.51	0.037	0.23	8.67	5.8	440	0.96	0.12	3.22	0.28	24.8	13.8	26	1.17	71.3
M677461		6.27	0.016	0.16	8.19	3.8	340	0.91	0.23	2.70	0.11	20.4	26.0	24	0.75	48.2
M677462		2.85	0.019	0.18	8.24	5.4	380	0.89	0.25	2.77	0.11	20.2	28.6	23	0.76	51.4
M677463		6.78	0.013	0.12	8.46	5.0	370	0.93	0.23	3.16	0.08	19.25	22.2	26	1.13	26.5
M677464		6.67	0.028	0.22	8.91	6.0	430	0.93	0.23	3.67	0.20	22.8	27.6	25	1.31	34.3
M677465		7.41	0.043	0.16	7.65	4.8	670	1.48	0.15	2.55	0.08	32.4	6.8	10	0.59	39.6
M677466		6.88	0.076	0.10	8.25	3.5	520	1.56	0.13	2.33	0.05	40.4	6.8	8	0.76	46.2
M677467		0.09	0.822	7.19	5.23	8880	1290	1.15	228	13.90	1.02	473	73.6	49	10.10	3550
M677468		7.04	0.018	0.09	7.85	5.8	560	1.41	0.18	2.30	0.07	36.7	6.8	8	0.71	14.8
M677469		7.09	0.085	0.52	7.80	15.8	370	1.30	0.17	2.06	0.15	34.8	7.6	9	1.11	23.6
M677470		6.99	0.331	2.50	7.55	22.9	430	1.31	0.40	2.47	6.66	32.5	10.0	11	1.67	99.2
M677471		6.58	0.051	0.37	7.62	11.4	560	1.32	0.18	2.55	0.44	31.8	7.4	9	1.01	88.1
M677472		6.39	0.027	0.22	8.26	9.1	490	1.48	0.19	2.28	0.50	37.8	4.5	10	0.94	99.6
M677473		2.08	<0.005	0.02	0.11	<5	50	0.07	0.04	20.8	0.07	1.55	1.4	<1	0.35	2.3
M677474		6.74	0.052	0.69	7.32	16.7	540	1.46	0.40	2.54	3.47	30.8	6.3	11	1.13	82.9
M677475		6.43	0.015	0.14	7.05	9.8	800	1.17	0.06	2.99	0.16	22.4	8.8	18	1.94	14.0
M677476		5.05	0.022	0.18	6.55	16.2	690	1.02	0.07	2.99	0.17	19.85	8.9	17	1.75	15.1
M677477		5.60	0.006	0.09	6.57	5.6	750	1.10	0.03	2.90	0.09	20.6	8.4	16	1.73	12.7



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CERTIFICATE OF ANALYSIS WH12212390

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677442		2.02	15.60	0.06	0.2	0.020	0.95	7.2	8.7	1.32	292	1.18	3.64	3.3	49.3	620
M677443		1.67	14.95	0.10	0.2	0.014	0.91	7.2	8.5	1.24	258	0.82	3.70	3.0	46.1	520
M677444		1.71	14.95	0.10	0.3	0.012	0.95	5.9	7.6	0.98	228	1.68	3.62	3.4	38.2	530
M677445		2.04	15.90	0.12	0.3	0.025	0.97	8.7	9.6	1.29	295	0.95	3.51	4.2	47.6	670
M677446		3.30	16.15	0.15	0.2	0.040	1.20	11.0	12.7	1.96	459	1.81	2.36	5.9	67.4	1030
M677447		3.34	16.80	0.16	0.2	0.041	1.23	11.7	12.7	1.98	467	1.89	2.39	6.0	69.6	1030
M677448		2.44	16.90	0.14	0.2	0.025	1.05	7.6	11.5	1.46	298	1.61	2.78	6.0	59.4	770
M677449		3.84	19.05	0.18	0.2	0.022	1.16	7.9	9.9	1.77	369	1.34	2.89	6.2	45.7	1260
M677450		4.13	19.65	0.18	0.2	0.025	1.21	9.3	10.6	1.76	296	3.90	3.04	5.7	43.3	1270
M677451		2.98	20.4	0.15	0.2	0.029	1.32	11.1	10.7	1.73	264	1.12	3.07	4.7	41.9	1290
M677452		9.32	17.95	0.52	1.8	1.830	1.90	254	31.4	1.39	2420	13.35	0.82	9.5	37.2	960
M677453		3.10	17.80	0.14	0.2	0.018	1.53	10.7	11.6	1.77	381	1.12	3.17	3.8	52.0	1360
M677454		2.39	17.00	0.12	0.1	0.021	1.55	5.7	8.0	1.12	320	5.88	4.05	3.2	35.6	1360
M677455		1.75	16.35	0.10	0.2	0.013	1.57	5.1	9.2	1.56	228	4.73	4.08	3.5	45.9	1530
M677456		2.27	20.1	0.15	0.2	0.013	1.24	8.7	11.5	1.87	201	3.59	3.70	4.2	48.7	1330
M677457		0.48	0.39	0.31	<0.1	<0.005	0.03	0.6	1.0	12.60	211	0.14	0.02	0.3	2.8	180
M677458		3.00	19.30	0.18	0.2	0.021	1.24	10.6	9.2	1.55	207	1.57	3.90	4.0	37.7	1300
M677459		3.05	19.20	0.16	0.2	0.021	1.25	11.5	8.3	1.42	253	0.74	3.55	5.3	36.6	1310
M677460		2.70	21.4	0.17	0.2	0.022	1.24	10.8	9.5	1.65	348	1.43	3.05	5.6	36.7	1330
M677461		3.06	19.05	0.17	0.2	0.016	1.06	8.9	9.9	1.61	295	1.53	3.07	4.4	37.7	1230
M677462		3.23	19.20	0.17	0.2	0.013	1.08	8.9	10.1	1.65	288	1.59	3.06	4.3	39.5	1280
M677463		3.85	19.60	0.18	0.2	0.019	1.26	7.6	8.4	1.56	276	1.24	3.36	6.5	37.7	1370
M677464		3.95	19.85	0.19	0.2	0.020	1.22	9.5	8.1	1.53	362	2.24	3.07	6.6	37.5	1300
M677465		2.95	17.00	0.16	0.3	0.027	0.75	15.0	5.9	0.89	304	4.24	3.36	9.6	11.9	1090
M677466		3.30	17.55	0.17	0.3	0.035	0.74	19.9	5.8	0.86	327	2.85	3.58	9.4	9.8	1060
M677467		9.54	17.85	0.51	1.8	1.835	1.96	259	31.5	1.42	2490	13.85	0.83	9.7	37.3	990
M677468		2.66	15.90	0.14	0.4	0.017	0.60	18.5	5.5	0.80	208	2.09	3.66	8.3	9.4	950
M677469		3.43	15.60	0.16	0.3	0.042	0.73	17.6	6.2	0.70	456	1.98	3.36	8.1	9.7	940
M677470		2.87	16.10	0.16	0.3	0.104	0.89	16.0	6.7	0.68	724	2.25	3.37	9.1	9.6	970
M677471		2.92	16.45	0.16	0.3	0.021	0.82	15.1	6.2	0.70	357	2.68	3.35	9.2	10.2	930
M677472		2.75	17.45	0.17	0.2	0.021	0.84	18.8	6.4	0.62	236	2.85	3.62	10.3	11.2	1050
M677473		0.51	0.47	0.29	<0.1	0.005	0.03	0.7	1.2	12.30	218	0.16	0.02	0.4	2.8	190
M677474		2.35	16.90	0.16	0.6	0.042	1.06	14.7	10.0	0.56	510	2.41	2.88	8.9	12.8	900
M677475		2.32	16.50	0.13	1.5	0.028	1.88	10.5	19.7	0.82	1020	1.19	1.89	7.6	17.7	650
M677476		2.25	15.60	0.14	1.5	0.023	1.84	9.0	22.9	0.85	979	1.32	1.74	7.2	17.0	640
M677477		2.12	16.20	0.15	1.5	0.021	1.68	9.4	21.1	0.79	904	1.00	2.00	7.4	15.9	610



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CERTIFICATE OF ANALYSIS WH12212390

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M677442		6.9	25.9	0.007	0.53	0.73	9.0	1	0.6	421	0.26	0.12	0.8	0.210	0.26
M677443		5.4	25.4	0.002	0.64	0.70	7.1	1	0.6	392	0.23	0.07	0.8	0.180	0.24
M677444		5.7	25.0	0.021	0.87	0.62	6.5	2	0.6	386	0.25	<0.05	0.7	0.194	0.26
M677445		6.2	27.1	0.007	0.54	0.64	8.5	1	0.8	430	0.31	0.05	0.8	0.246	0.25
M677446		8.0	34.2	0.007	0.67	0.92	14.1	2	0.8	407	0.38	0.16	1.2	0.366	0.38
M677447		8.0	36.1	0.007	0.70	0.93	14.6	1	0.9	413	0.39	0.16	1.2	0.370	0.39
M677448		18.7	31.3	0.010	0.63	0.80	10.2	2	1.0	479	0.41	0.08	0.8	0.344	0.33
M677449		14.5	27.9	0.003	1.15	0.90	12.8	2	1.2	496	0.38	0.19	0.7	0.467	0.39
M677450		8.1	30.8	0.026	2.01	0.78	13.4	2	1.6	487	0.35	0.15	0.8	0.461	0.40
M677451		8.4	36.5	0.012	1.83	0.91	12.3	2	2.1	457	0.30	0.14	0.7	0.395	0.39
M677452		33.0	132.5	0.004	1.32	31.9	7.2	7	106.5	260	0.63	1.03	10.5	0.231	1.29
M677453		8.9	35.3	<0.002	2.70	1.72	11.5	3	1.6	355	0.24	0.26	0.7	0.338	0.41
M677454		212	40.2	<0.002	1.59	21.1	11.3	2	1.5	355	0.21	1.23	0.8	0.285	0.48
M677455		9.7	37.6	0.006	1.31	1.11	12.0	2	1.7	356	0.22	<0.05	0.8	0.309	0.39
M677456		9.3	32.5	0.013	1.50	0.62	13.1	3	1.9	481	0.28	0.07	0.8	0.398	0.37
M677457		1.7	2.1	<0.002	<0.01	0.46	0.3	1	<0.2	49.7	<0.05	<0.05	<0.2	<0.005	<0.02
M677458		6.4	34.9	0.002	2.41	0.60	12.6	3	1.1	487	0.26	0.08	0.8	0.382	0.35
M677459		10.2	31.3	0.002	1.55	0.61	12.9	2	1.0	513	0.34	0.14	0.7	0.475	0.36
M677460		13.8	34.8	<0.002	1.01	0.97	14.8	2	1.5	483	0.35	0.10	0.7	0.500	0.38
M677461		9.8	28.0	0.003	1.90	0.60	12.5	3	1.4	460	0.28	0.12	0.8	0.431	0.31
M677462		10.0	31.1	0.003	2.08	0.59	12.8	3	1.2	461	0.28	0.11	0.9	0.412	0.33
M677463		8.9	30.5	<0.002	1.53	0.67	13.7	3	1.1	529	0.38	0.13	0.7	0.520	0.38
M677464		11.2	38.3	0.003	1.57	0.74	14.7	3	1.6	549	0.39	0.24	0.8	0.516	0.39
M677465		7.3	16.0	0.002	0.98	0.63	6.6	2	1.2	547	0.70	0.11	2.6	0.282	0.22
M677466		5.6	21.0	0.003	0.70	0.66	5.9	2	1.5	573	0.69	0.10	3.3	0.232	0.21
M677467		32.8	135.0	0.004	1.33	32.3	7.2	7	106.5	265	0.66	0.95	10.5	0.238	1.29
M677468		6.1	15.9	0.009	1.27	0.60	5.8	3	1.4	527	0.62	0.10	3.3	0.210	0.14
M677469		7.9	25.2	0.002	1.38	1.24	5.8	2	1.7	496	0.61	0.61	3.2	0.224	0.24
M677470		141.0	25.2	<0.002	1.72	4.84	5.5	2	1.5	485	0.67	1.88	2.8	0.251	0.33
M677471		18.2	21.1	0.003	1.52	0.88	5.6	2	1.3	546	0.66	0.24	2.8	0.242	0.24
M677472		14.8	23.7	0.003	1.30	0.58	6.3	2	1.3	579	0.74	0.10	3.6	0.266	0.23
M677473		2.2	2.6	<0.002	0.01	1.26	0.4	1	<0.2	51.0	<0.05	<0.05	<0.2	<0.005	<0.02
M677474		41.9	31.0	<0.002	1.01	1.81	5.1	2	1.1	478	0.68	0.25	2.9	0.234	0.36
M677475		19.5	45.8	<0.002	0.26	1.51	5.9	1	0.6	324	0.62	<0.05	2.6	0.233	0.69
M677476		25.3	41.2	<0.002	0.39	1.45	5.7	1	0.6	270	0.59	<0.05	2.4	0.221	0.67
M677477		10.5	40.1	<0.002	0.13	1.22	5.7	1	0.6	330	0.59	<0.05	2.2	0.219	0.58



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M677442		69	0.5	5.8	33	7.0
M677443		61	0.6	5.1	28	7.8
M677444		66	0.6	5.7	25	10.5
M677445		61	0.5	6.5	33	9.2
M677446		99	0.5	8.4	53	5.4
M677447		99	0.5	8.8	54	6.2
M677448		86	0.5	7.3	61	7.6
M677449		119	0.9	12.7	57	6.0
M677450		126	1.1	12.7	44	4.4
M677451		146	1.4	11.6	46	5.6
M677452		56	38.7	32.3	169	62.4
M677453		166	1.9	11.5	73	4.7
M677454		130	3.5	8.4	213	3.9
M677455		131	3.6	8.5	52	4.5
M677456		153	2.3	8.8	33	4.9
M677457		3	0.1	1.0	16	0.5
M677458		138	1.8	9.9	30	5.1
M677459		148	0.8	11.3	41	4.8
M677460		163	1.1	13.1	77	4.6
M677461		134	1.0	10.8	45	4.9
M677462		132	1.1	11.4	43	4.9
M677463		141	0.6	12.3	43	4.3
M677464		147	1.0	13.8	62	6.0
M677465		59	1.3	10.0	37	8.9
M677466		47	1.3	10.8	34	9.6
M677467		58	36.0	32.7	175	63.3
M677468		46	1.2	9.1	28	13.4
M677469		48	1.2	10.1	42	9.5
M677470		48	1.4	9.9	730	8.8
M677471		48	1.0	9.8	79	7.8
M677472		49	0.8	11.4	72	6.4
M677473		3	0.2	1.1	17	<0.5
M677474		46	0.8	9.3	305	20.1
M677475		53	0.4	7.9	137	51.3
M677476		51	0.4	7.2	126	48.2
M677477		50	0.4	7.2	114	50.7



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Project: Mint

Page: Appendix 1
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Account: RANSIL

CERTIFICATE OF ANALYSIS WH12212390

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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CERTIFICATE WH12215629

Project: Mint

P.O. No.: Batch 16

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13- SEP- 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- 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 - Rcd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
Sn- XRF05	Sn- Trace Level XRF Analysis	XRF
ME- MS61	48 element four acid ICP- MS	

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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Total # Pages: 2 (A - D)
Plus Appendix Pages
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Account: RANSIL

Project: Mint

CERTIFICATE OF ANALYSIS WH12215629

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
		0.02	0.005	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
M677514		4.43	0.193	<5	0.39	7.21	0.4	470	0.84	1.81	1.57	0.18	16.65	5.4	33	1.54
M677515		6.34	0.083	<5	0.28	7.24	2.7	440	0.87	0.38	1.92	0.34	15.90	5.0	36	1.22
M677516		5.42	0.047	<5	0.23	6.98	1.9	580	0.81	0.25	2.01	0.59	15.50	4.9	35	1.02
M677517		5.19	0.043	<5	0.24	6.77	4.1	480	0.66	0.16	2.03	0.20	13.65	4.5	33	1.48
M677518		5.93	0.051	<5	0.63	6.36	14.1	540	0.91	0.11	2.43	0.07	17.90	6.8	25	1.38
M677519		4.09	<0.005	<5	0.16	0.06	<5	30	0.09	0.02	21.3	0.05	1.12	0.6	<1	0.32
M677520		6.19	0.181	7	1.73	6.45	19.0	710	1.10	0.15	3.26	0.91	20.4	7.5	24	2.16
M677521		7.65	0.364	6	0.54	7.24	10.5	340	0.92	0.16	3.60	0.14	18.10	13.2	97	1.57
M677522		6.61	0.034	<5	0.17	7.55	5.6	420	0.77	0.11	3.44	0.08	23.2	19.2	116	1.36
M677523		6.79	0.039	6	0.10	7.37	3.5	310	0.80	0.08	3.37	0.09	21.1	28.6	131	1.94
M677524		0.10	0.846	110	6.87	4.85	8030	1190	1.65	197.5	12.35	1.0	413	73.5	49	8.71
M677525		6.62	0.074	<5	0.20	7.42	23.1	270	0.79	0.56	3.50	0.07	23.5	23.8	129	1.35
M677526		3.36	0.152	<5	0.13	7.38	10.3	390	0.84	0.22	3.49	0.12	24.3	14.8	93	1.12
M677527		4.82	0.015	6	0.11	6.78	8.4	610	1.03	0.16	2.67	0.11	22.6	8.4	25	1.19
M677528		8.37	0.025	5	0.12	7.29	3.8	300	0.78	0.12	3.45	0.11	21.8	31.2	128	1.96
M677529		8.50	0.036	<5	0.14	7.56	5.6	320	0.99	0.13	3.59	0.17	23.9	26.9	118	1.61
M677530		<0.02	0.036	6	0.33	7.25	4.0	310	0.90	0.13	3.49	0.12	23.5	25.9	112	1.55
M677531		8.94	0.032	7	0.18	7.48	3.3	390	1.09	0.08	4.34	0.09	32.9	27.7	138	1.55
M677532		8.62	0.026	10	0.17	7.63	2.3	430	1.19	0.07	3.92	0.09	28.5	19.5	89	1.28
M677533		8.93	0.061	7	0.12	7.62	3.5	390	1.10	0.10	3.87	0.05	27.2	18.1	113	1.37
M677534		8.63	0.037	9	0.14	7.52	6.5	320	1.24	0.13	3.13	0.06	29.5	20.6	105	1.65
M677535		4.52	<0.005	<5	0.02	0.10	<5	40	0.07	0.05	21.4	0.05	1.40	0.7	<1	0.14
M677536		7.41	0.161	6	0.15	7.70	3.8	350	1.09	0.13	2.96	0.05	20.7	20.5	42	0.89
M677537		7.95	0.049	7	0.12	8.01	5.4	420	1.21	0.12	2.64	0.12	23.3	24.2	53	1.00
M677538		8.38	0.061	7	0.16	7.39	6.0	560	2.02	0.11	1.63	0.40	41.4	27.0	9	0.65
M677539		7.72	0.040	7	0.26	7.53	8.1	600	2.17	0.17	1.73	0.27	43.5	18.8	13	0.84
M677540		3.08	0.040	5	0.28	7.67	8.0	620	1.99	0.16	1.81	0.37	43.2	17.9	12	0.80
M677541		8.32	0.052	5	0.16	7.14	10.7	590	1.97	0.12	1.74	0.05	42.1	12.7	9	0.94
M677542		8.64	0.022	<5	0.11	6.27	7.9	800	1.16	0.03	2.93	0.57	20.2	7.5	18	1.13
M677543		8.79	0.116	<5	0.35	6.00	11.0	820	1.21	0.03	2.95	0.26	18.50	7.5	18	1.14
M677544		6.65	0.148	<5	0.22	6.01	13.1	700	1.12	0.05	2.84	0.40	20.2	7.7	17	1.43
M677545		0.10	0.783	117	6.69	4.78	7940	1170	1.53	204	12.10	1.0	437	71.5	47	8.87
M677546		7.67	0.034	<5	0.14	7.25	12.6	570	2.01	0.33	1.66	0.07	42.3	18.9	8	0.77
M677547		9.03	0.066	<5	0.31	7.44	10.0	700	2.08	0.25	1.61	0.65	42.5	17.7	8	0.89
M677548		8.37	0.049	5	0.23	7.72	5.4	990	1.72	0.12	1.85	0.08	41.2	14.4	9	0.88
M677549		6.65	0.039	8	0.17	7.47	5.0	1140	1.83	0.11	2.12	0.08	40.3	18.7	9	0.67



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Page: 2 - B
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Project: Mint

CERTIFICATE OF ANALYSIS WH12215629

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
		Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		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
M677514		533	2.19	16.35	0.11	0.5	0.076	1.32	8.7	6.7	0.72	158	0.55	2.57	3.5
M677515		55.7	1.63	15.50	0.07	0.5	0.045	0.83	8.1	5.2	0.85	213	0.81	3.33	3.8
M677516		40.1	1.59	15.60	0.09	0.6	0.036	0.68	8.0	5.0	0.77	208	0.81	3.32	4.0
M677517		19.4	1.70	13.25	0.07	0.4	0.023	1.18	7.0	4.7	0.75	452	0.68	2.98	3.2
M677518		12.9	1.88	15.60	0.10	1.1	0.032	1.58	8.8	10.8	0.86	628	1.26	2.53	6.0
M677519		3.0	0.49	0.21	0.06	<0.1	<0.005	<0.01	0.5	1.0	12.75	223	0.15	0.01	0.2
M677520		71.0	2.35	15.65	0.10	1.4	0.034	1.94	9.9	12.3	0.91	1100	1.84	2.00	7.6
M677521		87.8	2.83	16.50	0.08	0.2	0.054	1.02	8.1	10.5	1.71	584	1.35	2.52	5.4
M677522		91.0	3.51	17.75	0.12	0.3	0.038	1.07	10.0	8.7	2.56	294	1.18	2.95	6.2
M677523		97.2	3.76	17.30	0.10	0.2	0.032	1.14	9.1	6.0	2.61	235	1.55	3.07	6.0
M677524		3300	8.81	19.05	0.44	1.6	1.465	1.81	243	36.7	1.35	2390	15.85	0.82	8.7
M677525		118.5	3.38	16.95	0.10	0.3	0.017	1.16	10.3	9.0	2.59	303	1.09	3.02	5.9
M677526		67.4	3.01	14.80	0.09	0.7	0.020	1.08	11.1	9.3	1.97	428	1.14	3.26	6.0
M677527		16.8	2.32	15.35	0.10	1.5	0.016	1.66	11.3	11.4	1.06	526	1.50	2.91	7.8
M677528		105.0	3.89	16.75	0.09	0.3	0.021	1.10	9.4	7.2	2.56	301	1.79	3.18	6.0
M677529		92.8	3.76	18.30	0.10	0.2	0.008	1.11	10.7	8.5	2.47	253	8.17	3.10	6.0
M677530		88.3	3.59	16.95	0.12	0.2	0.014	1.07	10.6	7.9	2.35	246	8.62	2.96	5.9
M677531		137.0	4.78	18.45	0.13	0.3	0.036	1.10	14.3	5.9	2.99	377	1.94	2.53	10.1
M677532		143.0	4.22	17.95	0.10	0.3	0.025	0.96	12.9	6.3	2.21	296	1.97	2.78	10.0
M677533		102.5	4.28	17.45	0.12	0.2	0.025	1.15	12.3	7.8	2.46	266	1.63	2.68	8.0
M677534		48.7	4.21	17.10	0.12	0.2	<0.005	1.24	13.6	8.3	2.45	254	1.92	3.13	6.1
M677535		3.3	0.49	0.32	0.07	<0.1	<0.005	<0.01	0.7	0.9	12.85	213	0.18	0.02	0.2
M677536		93.8	4.04	16.20	0.11	0.2	0.016	0.94	9.2	6.5	1.61	219	1.86	3.66	6.1
M677537		56.4	3.21	18.45	0.09	0.2	<0.005	1.17	10.2	11.0	2.10	210	3.00	3.75	4.2
M677538		16.5	2.17	13.65	0.13	0.2	0.010	0.88	20.3	5.0	0.61	177	9.31	4.12	7.6
M677539		20.4	2.18	14.70	0.13	0.3	0.006	1.00	21.7	5.8	0.58	219	7.89	3.82	14.2
M677540		17.8	2.16	14.30	0.11	0.3	0.006	0.97	20.5	5.5	0.61	237	8.04	4.03	13.5
M677541		82.3	2.23	14.10	0.12	0.2	0.025	1.11	20.8	5.1	0.51	318	6.81	3.57	14.6
M677542		11.5	2.08	15.80	0.11	1.5	0.016	1.96	9.9	12.8	0.78	964	1.59	1.96	7.9
M677543		16.6	2.04	14.90	0.11	1.6	0.021	2.06	9.0	11.3	0.78	1080	1.50	1.70	7.1
M677544		35.8	2.02	15.25	0.11	1.4	0.017	2.13	9.6	13.0	0.82	1610	1.86	1.49	7.9
M677545		3260	8.68	19.30	0.45	1.7	1.495	1.79	247	37.1	1.33	2350	15.45	0.81	8.9
M677546		31.8	2.07	15.20	0.11	0.2	0.013	1.23	21.0	5.8	0.55	311	5.68	3.62	10.6
M677547		69.9	2.57	14.25	0.11	0.3	0.012	1.48	21.9	4.7	0.53	328	5.36	3.41	8.3
M677548		132.5	2.40	14.95	0.11	0.2	0.010	1.54	20.7	5.9	0.73	176	4.22	3.04	9.0
M677549		93.9	2.78	14.30	0.13	0.2	0.012	1.27	19.9	7.0	0.65	195	5.11	3.45	13.4



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CERTIFICATE OF ANALYSIS WH12215629

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	Pb	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
M677514		390	10.5	44.4	0.002	2.20	2.39	4.8	4	1.7	262	0.30	1.30	2.4	0.131
M677515		390	6.1	24.9	0.003	1.15	0.45	4.6	<1	1.3	359	0.29	0.47	2.1	0.153
M677516		370	7.6	18.5	0.004	0.99	0.46	4.4	1	1.3	379	0.33	0.40	2.3	0.155
M677517		360	12.6	27.7	0.002	1.05	1.32	3.7	1	1.4	310	0.27	0.26	1.8	0.150
M677518		510	8.8	37.4	0.002	0.61	2.69	4.4	2	1.0	254	0.46	0.11	2.2	0.189
M677519		200	1.5	1.5	<0.002	<0.01	0.10	0.1	<1	0.2	43.7	<0.05	<0.05	<0.2	<0.005
M677520		670	297	42.1	0.004	0.53	19.40	5.0	1	1.0	300	0.58	0.43	2.1	0.250
M677521		1130	22.0	24.3	0.003	0.93	2.65	9.3	1	1.4	496	0.31	0.74	1.0	0.342
M677522		1170	8.9	20.7	0.004	0.67	0.95	11.4	2	1.6	582	0.35	0.14	1.1	0.417
M677523		1230	4.6	21.5	0.005	0.57	0.60	11.3	1	1.7	567	0.34	0.05	1.0	0.421
M677524		970	31.2	115.0	0.003	1.32	30.8	7.3	9	101.5	232	0.55	0.88	9.1	0.234
M677525		1260	6.6	22.5	0.006	0.37	0.76	11.6	2	2.0	522	0.33	0.06	1.0	0.419
M677526		1060	12.3	21.6	0.002	0.27	1.09	8.0	<1	1.2	443	0.37	<0.05	1.4	0.364
M677527		690	14.3	36.3	0.002	0.30	1.47	4.9	1	0.7	296	0.60	<0.05	2.3	0.253
M677528		1200	6.3	24.5	0.007	0.61	0.59	11.2	1	1.7	509	0.35	<0.05	1.0	0.408
M677529		1280	7.7	25.6	0.031	1.16	0.81	12.0	2	1.5	512	0.38	0.11	1.2	0.401
M677530		1230	8.1	23.1	0.031	1.12	0.87	11.5	2	1.6	493	0.34	0.05	1.3	0.387
M677531		1390	5.8	18.9	0.006	0.54	0.61	14.9	3	1.8	619	0.60	0.06	1.5	0.559
M677532		1210	5.0	18.0	0.004	0.32	0.47	11.6	1	1.6	612	0.65	<0.05	1.8	0.455
M677533		1260	5.3	21.6	0.003	1.14	0.54	12.2	2	1.4	571	0.54	0.13	1.9	0.450
M677534		1370	6.3	27.1	0.005	2.54	0.68	11.5	3	1.8	517	0.41	0.18	2.0	0.386
M677535		190	1.5	1.3	0.002	<0.01	0.09	0.2	1	0.2	47.3	<0.05	<0.05	<0.2	0.006
M677536		1140	7.7	17.6	0.003	2.15	0.51	8.0	2	1.3	550	0.41	0.15	1.6	0.379
M677537		1220	17.4	23.3	0.004	2.18	0.60	10.4	3	1.6	498	0.33	0.24	1.1	0.387
M677538		940	44.5	20.3	0.005	1.80	0.75	2.6	1	1.3	437	0.63	0.34	5.1	0.138
M677539		790	13.1	23.2	0.008	1.37	0.84	3.4	1	1.8	415	1.06	0.33	5.2	0.190
M677540		840	13.2	20.3	0.011	1.37	0.80	3.2	2	1.7	436	1.09	0.33	5.1	0.193
M677541		790	8.7	25.5	0.007	1.16	0.93	3.1	1	1.9	387	1.03	0.11	5.0	0.184
M677542		640	33.3	36.9	0.002	0.34	1.45	4.5	1	0.7	267	0.60	<0.05	2.3	0.225
M677543		610	20.8	39.1	0.002	0.34	0.77	4.1	<1	0.7	254	0.58	<0.05	2.3	0.213
M677544		630	34.0	42.7	0.002	0.47	1.84	4.4	1	0.8	283	0.59	0.06	2.2	0.223
M677545		960	33.4	115.0	0.006	1.31	30.7	7.4	8	107.5	230	0.54	1.09	9.0	0.231
M677546		830	7.8	26.1	0.004	1.25	0.64	2.9	2	1.6	381	0.81	0.11	4.9	0.148
M677547		820	14.9	30.9	0.004	2.20	0.76	2.6	2	1.4	378	0.69	0.23	5.3	0.124
M677548		790	7.0	29.4	0.008	1.44	0.54	3.4	2	1.9	406	0.76	<0.05	4.7	0.175
M677549		850	8.5	22.4	0.007	0.81	0.50	3.6	2	1.9	475	0.95	0.13	4.4	0.224



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Project: Mint

CERTIFICATE OF ANALYSIS WH12215629

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
M677514		0.8	39	0.8	5.0	36	12.1
M677515		0.6	40	0.4	4.6	61	10.5
M677516		0.6	39	0.3	4.4	81	11.0
M677517		0.6	38	0.4	3.9	54	8.4
M677518		0.8	44	3.0	5.6	73	33.9
M677519		1.0	2	0.1	0.7	17	<0.5
M677520		0.9	55	0.8	6.7	224	42.1
M677521		0.3	85	1.5	8.6	80	3.9
M677522		0.3	106	1.0	8.6	37	4.9
M677523		0.3	110	1.5	8.2	24	5.5
M677524		10.4	55	28.0	26.2	167	56.0
M677525		0.3	111	1.8	8.6	34	4.6
M677526		0.5	89	1.0	8.2	61	18.7
M677527		0.9	55	0.5	6.9	67	47.7
M677528		0.4	105	1.9	8.6	34	4.3
M677529		0.4	107	1.7	10.0	33	5.8
M677530		0.4	105	1.7	9.9	32	4.7
M677531		0.6	137	2.0	12.6	32	6.2
M677532		0.5	109	1.3	11.0	27	5.7
M677533		0.6	112	1.2	10.7	32	4.9
M677534		0.6	109	1.8	10.7	28	4.6
M677535		0.7	3	0.1	0.8	16	1.2
M677536		0.5	80	1.3	9.6	32	4.2
M677537		0.4	101	2.1	9.2	46	3.6
M677538		1.0	27	1.6	7.1	68	5.2
M677539		1.0	32	2.3	8.7	57	5.7
M677540		1.0	31	2.1	8.2	68	5.8
M677541		0.8	31	2.3	8.5	39	5.2
M677542		0.9	51	0.5	6.4	176	46.3
M677543		0.8	49	0.6	6.0	139	44.4
M677544		0.9	49	1.0	6.3	149	45.7
M677545		10.6	55	29.0	26.9	165	65.1
M677546		1.0	30	1.8	9.0	34	5.9
M677547		1.2	27	1.8	7.7	98	7.0
M677548		1.0	37	3.1	7.8	25	6.0
M677549		1.1	38	3.2	9.1	32	3.9



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CERTIFICATE OF ANALYSIS WH12215629

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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CERTIFICATE WH12219227

Project: Mint

P.O. No.: Batch 23

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25- SEP- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 22d	Sample login - Rcd w/ o BarCode dup
LOG- 24	Pulp Login - Rcd w/ o Barcode
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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 WH12219227

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M650066		5.49	0.023	0.15	7.47	69.3	460	0.71	0.09	2.92	0.15	12.75	14.3	63	0.85	169.0
M650067		8.17	0.043	0.15	6.40	2.2	380	0.88	0.07	2.54	0.23	9.53	9.3	60	0.80	217
M650068		6.12	0.042	0.15	7.14	3.3	350	0.86	0.11	2.86	0.10	12.45	12.1	62	0.87	241
M650069		4.00	0.147	0.66	7.03	9.7	340	0.96	0.14	2.47	0.23	13.05	9.8	58	1.02	621
M650070		1.37	0.151	0.58	7.21	10.2	380	0.87	0.13	2.55	0.17	11.85	8.6	57	1.06	592
M650071		8.28	0.068	0.31	7.09	10.3	450	0.89	0.17	2.48	0.13	10.75	8.8	60	1.00	355
M650072		8.92	0.061	0.52	7.21	6.7	500	0.90	0.18	2.49	1.12	11.30	8.6	50	0.91	356
M650073		5.28	0.111	0.42	6.88	3.3	330	0.95	0.12	2.30	0.13	13.25	13.6	61	0.69	605
M650074		3.45	0.034	0.33	7.69	7.1	310	1.24	0.21	2.21	0.06	32.2	7.8	31	0.91	241
M650075		0.10	0.858	6.80	5.01	8690	1260	1.23	215	12.80	1.18	450	81.8	51	9.52	3590
M650076		7.61	0.049	0.27	7.07	2.6	430	0.88	0.09	2.43	0.14	11.15	10.3	59	0.68	260
M650077		8.20	0.064	0.27	7.10	2.7	430	0.94	0.24	2.39	0.14	12.75	12.0	61	0.64	295
M650078		8.50	0.070	0.26	7.18	2.3	610	0.90	0.14	2.46	0.18	12.25	7.4	56	0.44	273
M650079		8.93	0.061	0.25	7.31	2.9	510	1.03	0.15	2.50	0.39	18.35	15.9	68	0.98	343
M650080		2.75	<0.005	0.26	0.04	<5	20	0.07	0.03	19.75	0.07	1.08	0.6	<1	0.07	18.7
M650081		7.84	0.038	0.29	7.41	3.0	590	1.08	0.15	2.43	1.12	20.2	10.1	50	0.75	241
M650082		8.76	0.041	0.25	7.78	3.9	470	1.43	0.21	2.61	0.14	27.2	12.4	10	0.75	251
M650083		8.11	0.054	0.22	7.36	3.1	620	1.12	0.09	2.40	0.18	25.2	7.4	18	0.74	233
M650084		7.95	0.062	0.31	7.36	3.8	480	0.94	0.13	2.58	0.15	19.25	14.2	56	1.14	331
M650085		6.03	0.084	0.51	7.60	38.5	700	0.86	0.26	2.26	0.90	17.85	13.1	31	1.77	261
M650086		<0.02	0.080	0.47	7.54	37.8	710	0.98	0.26	2.24	0.92	17.80	12.9	29	1.79	242
M650087		10.11	0.060	0.33	7.11	12.8	650	0.78	0.12	2.05	0.10	9.43	13.7	37	0.98	330
M650088		8.64	0.030	0.18	7.27	4.0	490	0.61	0.09	1.98	0.11	9.68	7.5	52	0.91	157.0
M650089		8.23	0.022	0.22	7.34	3.5	500	0.68	0.06	2.16	0.12	10.05	10.6	65	1.06	149.0
M650090		8.77	0.031	0.30	7.09	3.7	400	0.61	0.10	2.54	0.10	15.20	10.2	59	0.90	204
M650091		0.10	0.657	7.01	4.73	7590	1160	1.18	197.0	12.35	1.4	400	68.4	45	8.89	3280
M650092		8.53	0.045	0.34	7.32	11.3	550	0.70	0.35	2.60	0.15	10.60	11.4	51	0.70	283
M650093		8.49	0.061	0.32	7.45	4.6	500	0.77	0.17	2.28	0.17	10.30	12.9	31	0.61	267
M650094		8.78	0.071	0.50	7.39	11.7	550	0.67	0.14	2.34	0.49	8.61	9.7	38	0.91	323
M650095		8.20	0.080	0.52	7.18	58.9	600	0.70	0.15	2.45	0.22	8.29	11.0	50	1.21	319
M650096		7.08	<0.005	0.01	0.05	<5	20	0.06	0.03	20.1	0.07	0.84	0.5	<1	0.10	1.8
M650097		9.15	0.058	0.39	7.12	4.1	520	0.70	0.09	2.77	0.43	11.60	13.0	71	1.20	287
M650098		8.67	0.043	0.22	7.12	2.3	570	0.73	0.08	2.74	0.17	15.85	11.0	67	0.98	222
M650099		8.66	0.065	0.47	7.37	64.3	640	0.73	0.11	2.49	0.44	13.00	10.9	65	1.42	255
M650100		8.77	0.040	0.30	7.30	5.3	530	0.78	0.07	2.56	0.15	14.30	15.6	72	1.24	265
M650101		8.79	0.063	0.24	7.78	2.9	500	0.76	0.11	2.67	0.23	18.65	11.6	79	1.23	255



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Finalized Date: 2- OCT- 2012
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Project: Mint

CERTIFICATE OF ANALYSIS WH12219227

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M650066		2.23	15.50	0.12	0.2	0.022	0.87	5.9	8.1	1.19	346	3.72	3.26	4.4	65.5	530
M650067		2.13	15.75	0.10	0.1	0.018	0.88	4.5	6.9	1.12	277	6.89	3.34	3.8	40.7	490
M650068		2.08	16.85	0.09	0.1	0.019	0.85	5.8	7.4	1.12	188	7.69	3.10	4.0	41.5	520
M650069		2.30	17.20	0.09	0.1	0.026	0.85	6.1	6.7	1.05	284	28.2	3.27	3.9	37.7	560
M650070		2.27	15.90	0.12	0.1	0.024	0.93	5.6	6.7	1.00	298	12.20	3.28	3.7	34.3	530
M650071		2.18	15.95	0.10	0.2	0.032	0.84	4.8	5.5	0.87	248	10.80	3.46	3.8	33.7	430
M650072		1.96	15.60	0.08	0.1	0.029	0.88	5.3	6.0	1.01	269	8.74	3.62	3.7	31.0	490
M650073		2.07	15.80	0.09	0.1	0.031	0.72	5.9	5.9	1.14	194	9.59	3.66	3.6	37.8	510
M650074		1.82	17.20	0.12	0.5	0.020	0.90	14.6	7.9	1.00	155	2.76	3.74	6.4	24.3	710
M650075		9.20	19.95	0.52	1.8	1.790	1.99	254	32.7	1.41	2500	13.45	0.85	9.8	37.4	1010
M650076		1.95	16.50	0.10	0.1	0.032	0.86	5.1	6.4	1.17	263	7.62	3.60	4.0	31.9	440
M650077		2.56	15.70	0.09	0.1	0.031	0.91	5.6	6.5	1.24	249	7.17	3.60	4.0	33.5	440
M650078		2.07	16.35	0.10	0.1	0.044	1.03	5.9	4.9	1.00	327	8.42	3.83	5.6	24.5	360
M650079		3.01	16.90	0.10	0.1	0.020	1.39	8.6	6.9	1.72	322	10.25	3.45	7.3	41.7	860
M650080		0.47	0.15	0.14	<0.1	<0.005	0.01	0.5	0.9	12.30	194	0.21	0.01	0.1	1.9	170
M650081		2.44	16.55	0.14	0.2	0.012	1.26	9.8	6.8	1.27	249	12.30	3.49	6.7	27.5	820
M650082		2.54	18.35	0.12	0.2	0.011	1.13	13.5	6.5	0.88	209	14.90	3.47	6.6	9.1	860
M650083		2.35	17.40	0.12	0.2	0.014	1.27	11.9	7.0	0.95	323	7.01	3.43	7.2	11.9	800
M650084		2.65	17.90	0.13	0.1	0.030	1.09	9.4	7.6	1.36	254	15.20	3.40	6.4	35.5	740
M650085		2.54	16.90	0.15	0.3	0.028	1.40	8.6	8.8	0.81	276	12.10	3.23	4.3	26.7	570
M650086		2.46	17.25	0.16	0.3	0.028	1.39	8.5	9.1	0.79	276	11.55	3.20	4.2	26.3	560
M650087		2.37	16.15	0.11	0.1	0.053	0.97	4.6	6.1	0.99	238	30.4	3.88	3.5	31.7	540
M650088		1.86	14.60	0.08	0.1	0.015	0.92	4.9	4.5	1.13	214	11.75	3.78	3.5	27.7	530
M650089		2.77	16.95	0.09	0.1	0.014	1.06	5.0	5.6	1.36	284	29.3	3.71	4.0	49.5	550
M650090		2.52	17.05	0.09	0.1	0.022	1.02	6.4	5.8	1.40	348	6.57	3.34	4.0	45.8	620
M650091		9.02	18.45	0.40	1.8	1.470	1.89	233	28.0	1.36	2340	13.95	0.80	8.0	32.2	970
M650092		2.50	16.30	0.09	0.2	0.046	1.03	5.1	4.8	1.18	410	7.16	3.55	3.7	37.3	510
M650093		3.30	16.80	0.08	0.2	0.028	0.89	5.0	4.1	0.88	374	7.02	3.87	3.7	24.9	570
M650094		2.58	15.40	0.09	0.1	0.037	1.07	4.3	5.5	0.88	513	8.17	3.72	3.6	25.6	520
M650095		2.32	16.20	0.09	0.1	0.029	1.12	4.0	5.7	0.90	610	10.50	3.67	4.0	40.1	490
M650096		0.44	0.16	0.09	<0.1	0.029	0.02	<0.5	1.0	12.55	194	0.12	0.01	0.1	1.5	170
M650097		2.62	16.45	0.09	0.2	0.028	1.16	5.1	5.2	1.47	565	5.32	3.52	4.8	45.4	610
M650098		2.49	15.80	0.09	0.2	0.033	1.16	6.4	5.1	1.37	485	7.44	3.51	4.9	38.9	720
M650099		2.41	16.40	0.11	0.1	0.024	1.35	6.3	6.6	1.12	607	7.66	3.34	4.7	37.2	500
M650100		2.84	16.90	0.10	0.1	0.020	1.25	6.2	6.0	1.32	545	8.00	3.42	4.7	45.4	600
M650101		3.19	18.20	0.10	0.1	0.023	1.40	7.7	5.9	1.59	368	20.4	3.71	5.0	50.6	910



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CERTIFICATE OF ANALYSIS WH12219227

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M650066		5.5	24.6	0.006	0.45	4.80	7.8	1	0.8	556	0.32	<0.05	1.2	0.229	0.32
M650067		8.5	15.2	0.018	0.32	0.30	6.3	1	0.8	564	0.30	0.05	0.8	0.221	0.24
M650068		3.8	24.2	0.020	0.65	0.45	7.3	1	1.1	556	0.32	0.16	1.1	0.224	0.26
M650069		12.2	25.8	0.049	1.14	2.20	7.1	1	1.3	491	0.28	0.17	1.0	0.205	0.34
M650070		11.8	26.7	0.033	1.20	1.44	6.7	1	1.3	489	0.28	0.14	1.0	0.204	0.32
M650071		8.8	23.0	0.028	1.07	0.55	6.7	1	1.7	530	0.28	0.14	1.0	0.202	0.28
M650072		72.7	23.5	0.025	0.70	1.32	6.4	1	1.6	559	0.27	0.09	1.1	0.197	0.27
M650073		4.7	21.9	0.023	1.11	0.41	6.7	1	1.4	485	0.25	0.16	1.1	0.199	0.23
M650074		7.3	29.6	0.004	1.40	0.91	5.2	2	1.8	510	0.47	0.26	1.4	0.197	0.33
M650075		36.1	129.0	0.003	1.30	29.6	8.3	7	94.8	258	0.65	0.79	10.8	0.237	1.30
M650076		6.6	21.6	0.016	0.65	0.46	6.8	1	1.2	516	0.28	0.13	1.0	0.210	0.25
M650077		6.5	22.9	0.020	1.50	0.45	7.1	1	1.6	505	0.29	0.26	1.0	0.205	0.27
M650078		5.8	17.1	0.017	0.36	0.54	5.8	1	1.1	546	0.40	0.12	1.1	0.247	0.14
M650079		14.4	31.1	0.031	0.81	0.37	8.8	1	1.1	550	0.52	0.11	1.8	0.373	0.30
M650080		1.7	0.6	<0.002	0.02	0.07	0.1	<1	<0.2	48.4	<0.05	<0.05	<0.2	<0.005	<0.02
M650081		25.8	28.3	0.035	0.72	0.44	7.0	1	1.0	510	0.52	0.09	2.1	0.314	0.27
M650082		6.6	29.2	0.053	1.31	0.48	5.6	1	1.0	524	0.52	0.14	2.2	0.250	0.26
M650083		8.0	27.7	0.020	0.36	0.34	5.4	1	0.8	537	0.54	0.05	2.1	0.272	0.21
M650084		14.0	30.3	0.029	0.60	0.37	7.9	1	1.1	581	0.45	0.14	1.5	0.311	0.27
M650085		21.4	41.7	0.021	1.52	6.58	6.3	2	1.8	517	0.29	0.20	1.1	0.193	0.47
M650086		20.1	42.4	0.018	1.43	6.13	6.4	2	1.8	518	0.29	0.21	1.1	0.188	0.45
M650087		9.3	28.0	0.065	0.75	0.53	5.4	1	1.0	521	0.25	0.10	1.0	0.194	0.21
M650088		7.0	29.1	0.021	0.53	0.39	5.4	1	0.8	519	0.26	0.06	1.0	0.211	0.25
M650089		7.4	31.1	0.054	0.40	0.35	6.6	1	0.8	510	0.30	<0.05	1.1	0.241	0.33
M650090		8.2	30.0	0.014	0.63	0.43	6.7	1	1.0	501	0.29	<0.05	1.1	0.254	0.27
M650091		29.0	115.0	0.003	1.29	30.2	6.1	6	101.0	241	0.59	1.01	8.7	0.228	1.16
M650092		7.7	24.9	0.013	0.50	0.61	5.5	1	1.4	521	0.26	<0.05	1.0	0.216	0.18
M650093		7.0	20.6	0.011	0.42	0.44	4.7	1	1.0	526	0.28	0.05	1.0	0.199	0.13
M650094		49.9	25.5	0.021	0.53	1.30	5.1	1	0.8	516	0.27	0.09	0.9	0.206	0.16
M650095		10.2	27.6	0.016	0.71	4.85	5.5	1	0.7	514	0.30	0.08	0.9	0.223	0.57
M650096		1.6	0.7	<0.002	<0.01	<0.05	0.1	<1	<0.2	42.4	<0.05	<0.05	<0.2	<0.005	<0.02
M650097		27.6	28.4	0.011	0.50	0.92	7.0	1	0.9	496	0.36	0.05	1.0	0.284	0.21
M650098		5.7	28.1	0.013	0.24	0.71	6.8	1	1.0	524	0.34	<0.05	1.2	0.274	0.19
M650099		74.2	39.9	0.013	0.61	12.60	7.0	1	0.9	498	0.33	0.07	1.2	0.265	0.49
M650100		7.9	33.4	0.014	0.47	0.62	7.3	1	1.0	527	0.34	0.07	1.1	0.281	0.27
M650101		7.6	39.4	0.057	0.63	0.34	9.6	1	1.1	564	0.36	0.07	1.4	0.342	0.33



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CERTIFICATE OF ANALYSIS WH12219227

Sample Description	Method Analyte Units LOR	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
M650066		55	0.6	6.2	38	2.5
M650067		53	0.5	5.1	42	2.2
M650068		56	0.5	5.8	20	2.4
M650069		59	1.1	5.3	39	1.7
M650070		54	1.3	5.1	31	1.7
M650071		50	2.4	5.4	25	2.2
M650072		48	1.3	5.2	144	2.8
M650073		52	0.8	6.3	21	2.3
M650074		44	1.5	7.2	22	20.2
M650075		56	36.5	29.6	180	57.2
M650076		47	0.7	5.4	29	2.2
M650077		50	1.0	6.2	28	2.6
M650078		41	0.7	5.7	28	2.8
M650079		78	1.0	7.5	64	2.4
M650080		1	0.1	0.7	14	<0.5
M650081		68	1.5	7.6	125	4.0
M650082		53	1.3	9.6	28	8.2
M650083		55	1.0	9.1	46	8.0
M650084		65	1.4	7.5	32	2.3
M650085		47	1.9	6.1	134	3.3
M650086		45	1.9	6.2	132	3.4
M650087		46	1.3	5.2	38	2.0
M650088		50	1.2	5.3	38	1.5
M650089		56	0.9	5.6	47	1.7
M650090		60	1.0	6.6	51	2.0
M650091		53	34.1	28.0	163	55.9
M650092		52	0.9	6.0	50	3.1
M650093		46	0.9	6.4	48	2.2
M650094		50	1.0	5.3	85	2.7
M650095		55	1.8	5.3	62	3.5
M650096		2	0.1	0.7	14	<0.5
M650097		64	0.8	6.4	83	3.0
M650098		58	0.7	6.9	52	3.1
M650099		57	1.2	5.9	86	2.8
M650100		69	0.7	6.8	52	2.4
M650101		87	0.7	8.7	60	2.0



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CERTIFICATE OF ANALYSIS WH12219227

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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CERTIFICATE WH12219476

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P.O. No.: Batch 2

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17- SEP- 2012.

The following have access to data associated with this certificate:

MATT DUMALA

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES

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 *****

Comments: **RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12176020**

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH12219476

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
		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
M677037		0.73	7.94	7.2	570	0.74	0.82	0.78	3.56	18.95	20.3	87	1.67	75.2	4.46
M677038		0.59	7.94	25.7	330	0.78	0.50	0.91	0.34	23.8	15.3	122	1.15	66.3	4.12
M677039		0.85	8.11	9.3	510	0.78	1.30	1.03	1.95	26.4	24.2	79	1.30	95.1	4.89
M677040		1.37	7.32	9.6	380	0.67	1.22	0.88	0.45	17.05	25.3	103	1.01	382	5.60
M677041		1.06	7.83	9.9	430	0.70	1.62	0.99	0.38	32.7	14.0	62	1.56	326	5.78
M677042		1.90	7.89	6.0	110	0.80	1.79	0.61	0.74	12.70	18.9	65	1.87	12.9	8.91
M677043		0.01	0.09	<5	20	<0.05	0.03	20.7	0.07	1.35	1.4	<1	0.18	1.8	0.49
M677044		1.06	7.89	4.7	330	0.69	0.47	0.82	0.10	18.65	10.6	54	1.21	159.5	2.98
M677045		0.58	7.69	6.8	270	0.70	0.48	1.20	0.05	15.65	7.3	57	0.97	275	2.84
M677046		0.38	7.84	6.0	500	0.73	1.00	0.77	0.08	16.70	20.1	91	1.47	166.5	4.72
M677047		0.42	8.15	4.8	440	0.72	0.71	0.54	0.43	22.0	19.9	77	1.56	103.0	4.12
M677048		0.36	7.97	5.7	200	0.82	1.74	0.62	0.51	15.80	18.6	97	2.35	11.1	6.58
M677049		22.5	4.32	9470	600	1.28	224	13.60	2.83	215	70.3	50	5.12	>10000	10.95
M677050		0.60	8.03	7.9	290	0.71	1.00	0.77	0.14	14.20	24.5	106	1.98	67.1	6.32
M677051		1.31	7.94	5.2	480	0.81	2.77	0.90	0.33	19.30	19.5	82	1.41	230	4.33
M677052		0.45	8.09	6.4	510	0.73	0.80	0.96	0.38	21.2	17.2	91	1.62	149.5	4.48
M677053		0.31	8.10	4.3	390	0.91	0.78	0.93	0.75	25.3	21.1	102	1.16	212	3.96
M677054		0.26	8.04	5.1	430	0.81	0.84	1.10	0.28	26.6	20.3	78	1.22	184.0	4.34
M677055		0.38	8.28	7.8	380	0.73	1.09	0.61	0.53	21.7	19.8	80	1.70	30.1	4.62
M677056		6.93	5.08	8480	1220	1.28	209	13.10	1.24	446	78.0	49	10.15	3550	9.20
M677057		0.30	8.11	7.5	280	0.88	0.95	0.77	0.10	20.7	17.9	77	1.93	23.2	5.35
M677058		0.19	7.17	30.5	750	1.01	1.13	2.26	0.13	21.4	12.3	34	1.55	41.0	3.01
M677059		0.21	7.58	29.8	950	0.99	1.18	2.32	0.05	24.7	11.8	38	1.57	89.1	2.88
M677060		0.32	7.63	43.8	1100	1.10	1.85	2.67	0.16	24.2	10.2	30	1.54	18.3	2.66
M677061		0.23	7.24	27.5	1010	1.13	1.34	2.55	0.06	25.0	9.2	19	1.70	20.4	2.54
M677062		0.22	7.31	26.8	950	1.21	1.12	2.54	0.09	26.1	9.4	25	1.71	41.6	2.54
M677063		0.27	7.00	33.1	810	1.02	0.66	2.75	1.34	24.4	9.2	23	1.66	29.2	2.51
M677064		0.16	7.06	31.0	920	1.07	0.21	2.83	0.08	22.3	10.5	30	1.56	32.6	2.69
M677065		0.13	7.59	13.4	730	0.98	0.35	2.65	0.19	26.8	11.6	37	1.61	64.1	2.83
M677066		0.63	7.84	10.2	670	0.90	0.71	0.88	0.28	19.90	13.5	78	1.49	85.9	3.46
M677067		0.01	0.09	<5	20	0.06	0.02	20.1	0.06	1.44	1.1	<1	0.20	2.0	0.47
M677068		0.53	7.82	11.2	570	0.75	0.72	1.18	0.67	21.6	9.9	86	1.33	195.5	3.09
M677069		0.38	7.69	12.1	450	0.74	0.55	0.83	0.08	14.05	11.4	86	1.48	206	3.06
M677070		0.33	7.96	9.6	430	0.88	0.67	0.97	0.05	17.40	15.3	76	1.30	164.0	3.61
M677071		0.31	7.65	9.1	420	0.80	0.64	0.97	0.05	15.70	14.1	77	1.22	164.0	3.48
M677072		0.32	7.72	9.1	430	0.77	0.74	1.72	0.45	19.45	15.9	93	1.38	147.0	3.89

Comments: **RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12176020**

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



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CERTIFICATE OF ANALYSIS WH12219476

Sample Description	Method Analyte Units LOR	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	ME- MS61 P ppm 10	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1
M677037		0.15	0.3	0.150	2.43	9.0	14.0	2.22	971	1.73	1.04	6.4	69.6	950	9.8	68.4
M677038		0.16	0.3	0.056	1.05	11.7	15.5	2.82	628	2.18	1.92	6.5	93.4	1050	6.6	26.0
M677039		0.20	0.4	0.148	1.72	12.9	16.5	2.32	733	2.53	2.05	6.1	67.7	1110	50.9	49.8
M677040		0.19	0.4	0.148	1.32	8.0	12.3	2.41	890	2.62	2.22	6.0	84.8	910	14.6	20.8
M677041		0.21	0.6	0.369	1.91	17.7	10.8	1.99	1020	1.40	1.66	7.9	57.1	810	6.1	54.7
M677042		0.24	0.6	0.347	3.04	5.9	6.8	1.33	509	1.59	0.55	5.0	57.6	730	8.7	92.8
M677043		0.08	<0.1	0.005	0.03	0.7	1.1	12.65	212	0.15	0.01	0.4	1.7	200	1.3	1.8
M677044		0.14	0.2	0.092	1.29	9.4	10.4	1.95	866	3.62	2.91	3.9	52.6	630	4.4	42.2
M677045		0.14	0.1	0.116	1.03	7.9	11.7	1.88	866	1.10	3.22	3.8	50.6	620	5.2	33.7
M677046		0.18	0.3	0.182	2.16	8.0	14.3	2.27	613	1.46	1.44	5.6	81.5	850	5.9	59.5
M677047		0.18	0.2	0.157	1.95	11.9	12.5	1.95	543	2.18	1.93	5.0	66.2	790	6.8	63.8
M677048		0.23	0.3	0.193	2.82	7.9	11.2	1.52	498	1.70	0.41	4.6	81.0	790	16.6	81.0
M677049		0.37	1.5	4.69	1.07	138.5	43.8	1.25	1780	15.15	1.15	8.6	67.6	780	28.9	68.6
M677050		0.17	0.5	0.171	2.40	6.8	12.1	1.99	595	0.93	0.86	4.7	86.3	800	9.1	66.2
M677051		0.17	0.3	0.128	1.79	9.1	16.1	2.29	667	2.69	1.95	6.5	77.7	990	11.4	38.7
M677052		0.18	0.3	0.071	1.85	10.4	12.9	2.25	492	1.63	1.64	6.2	75.8	1020	4.1	49.9
M677053		0.18	0.2	0.099	1.32	12.5	18.1	2.60	481	1.48	2.47	5.8	93.4	1000	8.8	31.1
M677054		0.18	0.3	0.091	1.18	13.8	16.2	2.46	587	1.21	2.39	6.0	78.0	860	6.4	29.3
M677055		0.18	0.3	0.067	2.43	10.8	13.5	2.05	308	1.51	0.86	4.7	72.2	900	25.4	57.6
M677056		0.52	2.0	1.965	1.93	261	41.4	1.41	2390	17.95	0.84	11.1	37.0	980	34.6	144.5
M677057		0.17	0.2	0.043	2.46	10.2	11.3	1.50	392	2.16	0.68	4.1	76.0	830	15.3	59.9
M677058		0.14	1.0	0.091	2.01	11.0	18.8	1.02	1260	1.76	1.73	7.2	29.5	670	9.5	51.9
M677059		0.13	1.0	0.068	1.86	12.8	14.9	1.02	1020	2.37	2.12	7.9	30.4	720	9.4	44.9
M677060		0.13	1.3	0.044	2.14	12.7	18.5	1.04	1040	2.12	2.01	8.6	25.5	710	12.9	53.6
M677061		0.14	1.5	0.067	2.18	13.2	14.6	0.86	1000	2.10	1.76	8.7	17.7	650	9.1	51.5
M677062		0.14	1.5	0.078	2.02	13.8	15.2	0.88	955	2.25	1.85	9.2	22.0	660	9.7	50.8
M677063		0.13	1.3	0.138	2.45	12.8	14.6	0.89	1530	1.97	1.14	7.7	20.4	630	28.6	61.4
M677064		0.15	1.1	0.092	1.87	11.4	17.6	1.06	1220	1.89	2.17	7.8	25.4	670	10.2	43.9
M677065		0.13	0.9	0.067	1.40	14.1	13.4	1.15	1040	2.24	2.34	7.9	31.1	720	21.1	35.7
M677066		0.17	0.2	0.054	2.30	10.2	13.0	1.85	537	1.63	1.15	4.6	63.2	770	12.4	65.0
M677067		0.10	<0.1	<0.005	0.03	0.7	1.1	12.30	205	0.40	0.01	0.4	1.6	160	1.2	1.7
M677068		0.16	0.3	0.063	1.65	11.1	15.9	1.92	506	1.22	1.92	5.6	61.6	830	43.7	51.8
M677069		0.16	0.2	0.053	1.48	7.0	12.2	1.94	428	3.01	2.12	3.8	57.7	700	7.5	42.3
M677070		0.16	0.2	0.068	1.75	8.5	13.4	2.03	464	2.00	2.02	4.8	62.8	850	5.6	45.9
M677071		0.14	0.2	0.067	1.72	7.5	12.6	2.00	460	1.94	1.99	4.6	59.2	840	5.2	41.5
M677072		0.15	0.2	0.164	1.40	9.6	10.9	1.86	709	1.80	2.07	4.5	65.0	740	8.3	36.9

Comments: **RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12176020**

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



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To: **SILVER RANGE RESOURCES LTD.**
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Project: Mint

CERTIFICATE OF ANALYSIS WH12219476

Sample Description	Method Analyte Units LOR	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 Tl ppm 0.02	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1
M677037		<0.002	3.60	1.25	14.1	5	1.3	104.5	0.40	0.60	1.2	0.362	0.82	0.4	100	5.8
M677038		0.003	1.28	1.42	15.2	2	1.0	256	0.40	1.09	1.1	0.433	0.42	0.4	115	1.8
M677039		0.003	4.00	1.00	15.0	8	1.3	208	0.39	0.56	1.4	0.365	0.66	0.4	105	5.1
M677040		0.002	4.53	1.21	12.5	4	1.1	230	0.39	1.24	0.9	0.347	0.46	0.4	94	4.8
M677041		<0.002	4.34	1.06	13.6	3	1.3	176.5	0.58	1.42	1.7	0.347	0.68	0.5	92	3.0
M677042		0.002	9.50	1.31	10.3	7	2.3	59.6	0.32	2.14	1.0	0.271	0.77	0.4	82	4.9
M677043		<0.002	0.03	0.06	0.3	1	<0.2	49.7	<0.05	<0.05	<0.2	<0.005	<0.02	1.2	2	0.1
M677044		0.003	1.41	0.87	8.8	2	0.6	242	0.26	1.03	0.8	0.223	0.51	0.2	67	2.1
M677045		0.005	1.27	0.88	9.1	2	0.6	274	0.25	0.63	0.8	0.215	0.44	0.2	61	1.7
M677046		0.002	4.01	1.40	12.2	6	1.3	130.0	0.35	0.82	1.2	0.349	0.69	0.4	97	4.3
M677047		0.003	3.45	1.79	10.4	5	1.2	166.0	0.32	0.88	1.1	0.283	0.59	0.4	76	3.8
M677048		0.003	6.81	2.84	11.6	8	1.9	52.8	0.29	1.91	1.0	0.266	0.73	0.4	78	5.8
M677049		0.007	2.56	30.4	6.9	12	89.4	250	0.54	1.72	7.7	0.199	0.95	8.9	46	267
M677050		0.003	6.06	1.65	11.8	7	1.8	88.9	0.29	1.28	1.0	0.294	0.64	0.4	88	5.7
M677051		0.005	3.61	1.40	13.4	6	1.4	177.5	0.40	2.43	1.0	0.383	0.64	0.5	101	6.7
M677052		0.005	3.66	1.57	13.4	7	1.9	176.5	0.39	0.74	1.1	0.374	0.52	0.4	103	5.1
M677053		0.003	3.05	1.24	13.9	4	1.6	265	0.36	0.44	1.1	0.337	0.43	0.4	102	5.1
M677054		0.006	2.87	1.01	12.8	3	1.3	290	0.41	0.50	1.5	0.338	0.43	0.5	97	4.6
M677055		0.004	4.29	1.45	11.7	5	2.3	83.5	0.32	0.73	1.1	0.303	0.64	0.4	91	6.9
M677056		0.004	1.37	32.5	8.8	8	108.0	258	0.71	0.94	9.8	0.242	1.39	13.0	56	36.5
M677057		0.003	4.98	1.53	11.4	5	2.6	79.0	0.27	0.79	1.0	0.236	0.61	0.5	81	4.3
M677058		0.005	1.57	2.72	7.4	1	0.9	213	0.52	0.41	1.7	0.254	0.73	0.7	61	1.4
M677059		0.002	1.38	3.31	8.0	2	0.9	320	0.60	0.42	2.0	0.262	0.65	0.8	63	2.0
M677060		0.002	1.40	3.84	7.6	2	0.7	287	0.67	0.93	2.2	0.270	0.80	1.0	62	1.3
M677061		<0.002	1.45	2.25	6.2	1	0.7	279	0.71	0.62	2.6	0.243	0.75	1.2	51	1.3
M677062		<0.002	1.27	2.41	6.8	2	0.7	307	0.70	0.46	2.6	0.247	0.73	1.1	54	1.1
M677063		0.002	1.56	2.24	6.5	1	0.6	179.0	0.61	0.39	2.4	0.239	0.79	1.1	53	1.0
M677064		<0.002	1.40	3.38	7.3	1	0.7	293	0.57	0.37	1.7	0.255	0.64	0.8	60	0.7
M677065		0.002	0.95	3.23	7.9	1	0.8	423	0.60	0.22	2.1	0.264	0.50	0.8	62	1.5
M677066		0.003	2.75	4.03	10.7	3	2.1	122.0	0.30	1.06	0.9	0.270	0.58	0.4	81	4.2
M677067		<0.002	0.01	<0.05	0.3	1	<0.2	43.2	<0.05	<0.05	<0.2	<0.005	<0.02	0.5	2	0.1
M677068		0.006	2.22	4.99	9.6	2	1.6	218	0.36	0.76	1.1	0.273	0.51	0.6	72	5.0
M677069		0.007	2.14	1.59	9.0	2	1.3	229	0.26	0.57	0.9	0.242	0.45	0.4	73	4.1
M677070		0.007	2.86	1.30	10.9	3	2.7	215	0.32	0.76	1.0	0.279	0.49	0.6	83	8.8
M677071		0.006	2.82	1.19	10.2	2	2.6	211	0.30	0.69	0.9	0.279	0.47	0.6	82	8.3
M677072		0.003	2.45	1.45	10.2	2	1.1	283	0.29	0.63	0.8	0.265	0.45	0.3	78	2.5

Comments: **RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12176020**

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To: **SILVER RANGE RESOURCES LTD.**
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Project: Mint

CERTIFICATE OF ANALYSIS WH12219476

Sample Description	Method Analyte Units LOR	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Cu- OG62 Cu % 0.001
M677037		9.9	564	10.3	
M677038		9.8	144	8.1	
M677039		10.9	291	11.7	
M677040		8.1	156	12.2	
M677041		8.9	161	17.0	
M677042		8.7	128	25.9	
M677043		1.0	16	0.6	
M677044		6.9	98	4.8	
M677045		7.5	89	4.3	
M677046		8.3	78	7.2	
M677047		7.4	106	5.9	
M677048		7.4	91	8.9	
M677049		26.8	312	55.4	1.240
M677050		7.7	80	17.9	
M677051		9.5	106	8.7	
M677052		10.1	99	6.6	
M677053		10.5	135	6.3	
M677054		9.8	124	8.6	
M677055		7.6	89	6.4	
M677056		34.5	168	70.5	
M677057		10.1	77	6.6	
M677058		8.3	128	35.3	
M677059		8.5	110	35.3	
M677060		8.3	115	43.9	
M677061		8.2	103	47.9	
M677062		8.9	100	49.6	
M677063		8.0	228	42.4	
M677064		7.8	108	37.1	
M677065		8.6	131	29.5	
M677066		7.9	68	5.0	
M677067		0.9	16	0.5	
M677068		8.0	104	7.3	
M677069		6.1	55	4.8	
M677070		8.3	60	5.7	
M677071		7.7	60	4.6	
M677072		6.9	117	5.6	

Comments: **RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12176020**

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CERTIFICATE OF ANALYSIS WH12219476

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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Account: RANSIL

CERTIFICATE WH12220542

Project: Mint

P.O. No.: Batch 17

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17- SEP- 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
LOG- 23	Pulp Login - Rcvd with Barcode
PUL- 31d	Pulverize Split - duplicate
SPL- 21d	Split sample - duplicate
LOG- 21d	Sample logging - ClientBarCode Dup
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS
Au- AA24	Au 50g FA AA finish AAS

To: **SILVER RANGE RESOURCES LTD.**

ATTN: JOAN MARIACHER

C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

1016- 510 W HASTINGS ST

VANCOUVER BC V6B 1L8

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 WH12220542

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677550		6.27	0.109	0.48	7.65	19.3	350	0.93	0.14	2.60	0.15	22.4	35.1	62	1.19	311
M677551		6.13	0.103	0.38	7.60	12.5	470	1.06	0.09	2.67	0.10	27.0	23.8	57	0.86	371
M677552		8.02	0.094	0.23	6.97	10.7	860	0.87	0.13	2.37	0.24	17.15	9.4	34	1.11	121.5
M677553		8.39	0.053	0.26	7.05	6.6	800	0.86	0.10	2.19	0.12	18.95	10.7	32	1.27	183.5
M677554		8.76	0.062	0.29	7.45	15.4	540	0.99	0.08	2.68	0.20	23.8	9.3	41	1.13	218
M677555		5.96	0.086	0.36	7.17	14.8	430	1.02	0.06	2.70	0.13	25.0	11.5	34	0.81	350
M677556		1.91	0.105	0.42	7.05	16.0	410	1.02	0.06	2.65	0.14	26.4	11.9	33	0.82	431
M677557		3.48	0.068	0.36	7.37	12.2	440	1.10	0.08	2.70	0.15	30.4	13.2	36	0.77	363
M677558		7.43	0.052	0.27	7.40	6.9	350	1.00	0.09	3.25	0.13	30.8	11.8	46	1.59	175.0
M677559		9.20	0.042	0.18	7.58	9.5	380	1.03	0.09	2.90	0.74	32.3	19.3	35	0.96	130.5
M677560		7.06	0.073	0.42	7.20	20.4	420	0.93	0.11	2.94	0.37	28.1	16.4	30	1.43	278
M677561		4.83	<0.005	0.01	0.10	<5	50	0.07	0.03	21.6	0.12	1.54	1.4	<1	0.38	3.9
M677562		8.39	0.038	0.21	7.57	4.9	420	0.85	0.08	2.58	0.11	31.5	17.2	29	1.11	179.0
M677563		9.81	0.084	0.41	7.56	16.2	430	0.93	0.14	2.84	1.14	32.6	15.1	42	1.17	341
M677564		6.03	0.061	0.29	7.47	15.3	630	0.92	0.07	2.15	0.11	24.3	9.1	45	1.38	210
M677565		7.76	0.072	0.50	7.46	7.5	610	0.95	0.10	2.50	0.26	23.7	19.9	63	1.24	307
M677566		8.00	0.032	0.24	7.78	1.8	460	1.02	0.07	1.74	0.15	22.6	14.6	61	1.31	187.0
M677567		0.10	0.769	6.95	4.75	8010	1180	1.21	191.5	12.45	0.91	439	70.6	48	10.30	3230
M677568		8.82	0.028	0.18	7.50	5.4	400	0.84	0.15	1.53	0.15	15.05	13.1	70	0.88	195.0
M677569		6.04	0.016	0.10	7.61	1.3	370	0.85	0.03	1.44	0.09	17.75	7.5	68	0.93	134.0
M677570		7.48	0.097	0.30	7.41	1.1	460	0.83	0.03	1.44	0.18	17.75	12.1	63	0.99	588
M677571		6.60	0.046	0.27	7.55	5.4	390	0.94	0.07	1.50	0.13	17.20	6.7	53	1.02	220
M677572		7.29	0.058	0.32	7.61	8.2	340	0.90	0.10	1.65	0.13	15.40	16.1	59	1.12	313
M677573		<0.02	0.053	0.31	7.41	9.6	340	0.83	0.11	1.63	0.13	14.20	15.5	58	1.10	304
M677574		9.12	0.027	0.32	7.42	3.9	500	0.96	0.05	1.87	0.33	22.3	9.6	50	1.10	200
M677575		7.32	0.042	0.30	7.42	2.7	990	1.12	0.06	1.91	0.18	22.9	13.6	19	0.77	355
M677576		8.26	0.047	0.29	7.34	2.9	1240	1.05	0.09	2.09	0.47	23.5	11.3	20	0.76	291
M677577		3.92	<0.005	0.01	0.06	<5	20	<0.05	0.02	21.4	0.06	1.19	1.4	<1	0.10	2.6
M677578		8.16	0.037	0.24	7.26	2.2	1410	0.92	0.07	2.64	0.17	21.7	8.8	20	0.82	274
M677579		8.52	0.063	0.39	7.01	6.0	1000	0.96	0.09	2.80	0.23	24.0	12.4	26	0.95	412
M677580		8.42	0.071	0.44	7.06	3.9	1410	0.97	0.12	2.62	0.51	21.8	7.0	19	1.11	408
M677581		8.20	0.028	0.24	6.97	2.9	730	1.10	0.07	2.73	0.17	22.2	8.3	22	0.81	201
M677582		8.02	0.033	0.26	6.99	3.6	590	1.10	0.07	2.77	0.25	22.9	5.6	24	0.69	207
M677583		0.10	0.814	6.72	5.06	8550	1250	1.27	205	13.15	1.3	470	73.7	50	11.05	3450
M677584		8.76	0.045	0.34	7.39	3.6	790	0.98	0.13	2.81	0.26	23.1	6.7	23	0.69	304
M677585		6.75	0.058	0.48	7.66	6.5	670	1.14	0.18	1.95	0.17	20.9	9.9	17	0.70	378



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CERTIFICATE OF ANALYSIS WH12220542

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677550		3.27	16.45	0.11	0.2	0.030	1.01	11.1	9.6	1.80	381	9.22	3.48	5.1	47.8	720
M677551		2.96	15.85	0.15	0.2	0.045	0.77	13.3	9.1	1.34	325	16.45	3.74	6.1	44.0	810
M677552		1.70	16.30	0.11	0.4	0.021	1.34	8.9	6.5	0.74	264	4.97	3.20	5.1	30.2	410
M677553		2.02	16.45	0.11	0.5	0.028	1.31	9.9	6.5	0.76	213	7.64	3.19	5.3	29.7	410
M677554		2.22	17.05	0.14	0.5	0.025	0.97	12.4	8.0	1.03	261	8.60	3.38	6.7	31.3	740
M677555		3.11	15.95	0.13	0.3	0.025	0.71	12.9	8.3	1.07	226	15.50	3.35	6.8	26.7	820
M677556		3.04	15.85	0.16	0.3	0.028	0.69	13.7	8.2	1.09	220	17.80	3.25	6.7	28.0	810
M677557		2.48	17.65	0.17	0.3	0.024	0.87	14.8	9.2	1.21	216	15.30	3.57	8.6	29.4	990
M677558		2.88	19.80	0.16	0.2	0.012	1.00	14.6	9.3	1.49	194	8.30	3.32	8.2	30.2	1160
M677559		2.94	19.35	0.17	0.2	0.009	1.12	15.5	8.8	1.47	177	2.63	3.45	6.6	26.5	1240
M677560		3.25	18.80	0.15	0.1	0.012	1.08	12.9	8.8	1.34	948	1.79	3.09	6.8	28.2	1180
M677561		0.49	0.44	0.12	<0.1	<0.005	0.03	0.7	1.0	12.90	228	0.17	0.02	0.4	2.0	190
M677562		3.34	17.80	0.10	0.1	0.011	1.10	15.1	6.8	1.22	196	4.40	3.47	7.7	23.9	1160
M677563		2.20	17.55	0.13	0.2	0.029	1.15	16.4	7.2	1.23	342	12.55	3.33	7.9	28.6	1040
M677564		2.58	16.50	0.14	0.3	0.029	0.99	12.1	6.9	1.11	253	3.99	3.41	6.7	33.9	710
M677565		2.72	16.40	0.14	0.2	0.017	1.26	11.2	9.4	1.64	412	26.0	3.33	6.2	57.0	940
M677566		2.01	15.60	0.13	0.2	0.008	1.32	10.9	12.0	1.73	252	55.2	3.50	5.2	51.8	800
M677567		8.71	17.65	0.48	1.9	1.810	1.85	254	33.0	1.35	2350	13.90	0.80	9.4	35.9	910
M677568		1.70	14.05	0.08	0.1	0.009	1.21	7.3	11.4	1.65	177	36.7	3.94	3.4	46.8	600
M677569		1.27	14.75	0.09	0.1	<0.005	1.27	8.6	12.4	1.65	113	9.71	3.97	3.1	50.0	620
M677570		1.44	15.00	0.11	0.1	0.011	1.39	8.8	10.9	1.66	142	28.0	4.09	4.1	48.6	580
M677571		1.31	14.25	0.11	0.1	0.016	1.11	8.6	9.6	1.46	220	15.10	3.91	4.2	37.2	580
M677572		2.01	16.60	0.10	0.1	0.013	1.21	7.5	10.1	1.60	214	23.7	3.91	3.4	51.9	620
M677573		2.00	16.15	0.12	0.1	0.013	1.20	6.8	9.6	1.57	216	22.7	3.87	3.4	50.5	610
M677574		1.41	15.45	0.15	0.2	0.013	1.15	10.9	8.9	1.42	370	15.95	3.78	5.1	41.8	700
M677575		1.01	13.80	0.14	0.2	0.010	1.38	12.1	6.6	0.78	158	33.5	3.65	4.3	20.0	550
M677576		1.09	14.15	0.13	0.2	0.015	1.71	12.5	7.0	0.77	145	70.0	3.66	5.1	20.8	600
M677577		0.48	0.34	0.18	<0.1	<0.005	0.02	0.6	0.7	12.80	218	0.31	0.01	0.3	2.2	190
M677578		1.05	13.45	0.17	0.1	0.009	1.78	11.0	6.5	0.79	181	6.70	3.53	4.7	19.2	530
M677579		1.40	13.60	0.20	0.2	0.013	1.56	12.3	7.3	0.98	196	32.9	3.12	5.0	24.9	640
M677580		1.03	12.60	0.15	0.2	0.021	1.97	11.2	5.9	0.71	223	37.2	3.01	4.6	16.8	560
M677581		0.88	13.20	0.18	0.2	0.010	1.18	11.6	6.4	0.86	180	34.8	3.52	3.6	17.9	540
M677582		0.91	13.00	0.17	0.2	0.012	1.03	12.1	6.0	0.86	174	37.3	3.61	4.2	15.2	540
M677583		9.27	18.20	0.49	2.0	1.925	1.97	271	33.5	1.44	2480	15.05	0.86	9.9	37.6	960
M677584		1.11	13.65	0.11	0.3	0.015	1.12	11.9	5.7	0.80	211	32.0	3.82	6.0	19.4	600
M677585		1.31	11.70	<0.05	0.2	0.031	1.07	10.2	6.3	0.74	209	62.9	3.74	4.6	16.3	550



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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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M677550		12.1	29.1	0.017	1.05	0.88	10.7	2	1.8	430	0.36	0.30	1.1	0.333	0.34
M677551		9.2	19.0	0.023	0.55	0.67	10.9	2	2.0	476	0.38	0.22	1.5	0.336	0.23
M677552		14.4	33.2	0.003	1.24	0.76	5.5	2	1.9	336	0.40	0.32	2.4	0.166	0.36
M677553		13.2	33.2	0.005	1.42	0.90	5.3	2	2.1	367	0.43	0.39	2.7	0.161	0.38
M677554		12.2	28.1	0.007	0.75	0.75	7.3	2	2.4	461	0.47	0.25	2.6	0.245	0.32
M677555		9.8	18.1	0.015	0.48	0.74	7.2	2	2.2	490	0.46	0.15	2.2	0.275	0.22
M677556		10.4	19.7	0.016	0.54	0.74	7.5	2	2.2	475	0.46	0.16	2.4	0.266	0.23
M677557		9.1	23.2	0.011	0.41	0.67	8.7	2	2.0	526	0.57	0.14	2.4	0.318	0.30
M677558		10.2	26.8	0.006	0.96	0.56	10.4	3	2.3	543	0.53	0.21	2.0	0.367	0.47
M677559		9.5	30.9	0.002	1.09	0.56	9.4	2	1.2	556	0.43	0.14	2.0	0.331	0.48
M677560		38.4	29.1	<0.002	1.71	2.52	8.5	2	1.9	505	0.45	0.20	1.7	0.317	0.47
M677561		1.7	2.1	<0.002	0.01	<0.05	0.4	1	<0.2	52.2	<0.05	<0.05	<0.2	0.011	<0.02
M677562		8.7	30.6	0.003	1.12	0.52	7.6	2	1.2	566	0.51	0.10	2.1	0.324	0.44
M677563		15.8	33.4	0.011	0.59	1.14	8.3	2	1.4	514	0.53	0.16	2.1	0.333	0.44
M677564		10.4	29.0	0.004	0.45	2.32	7.3	2	1.5	440	0.49	0.11	2.6	0.262	0.32
M677565		16.8	33.3	0.033	1.09	1.37	9.5	2	1.7	395	0.46	0.25	2.0	0.306	0.46
M677566		12.2	40.0	0.062	0.59	0.44	9.2	2	1.5	401	0.38	0.07	1.8	0.283	0.42
M677567		34.4	127.5	0.004	1.27	30.2	7.2	7	99.7	237	0.64	0.91	10.8	0.233	1.30
M677568		9.6	36.1	0.073	0.30	0.26	8.4	2	1.3	349	0.25	<0.05	1.3	0.234	0.34
M677569		6.1	41.5	0.029	0.21	0.19	9.2	2	1.5	372	0.24	<0.05	1.2	0.238	0.36
M677570		8.4	44.8	0.074	0.15	0.23	8.6	2	1.6	393	0.30	<0.05	1.4	0.245	0.39
M677571		13.7	34.4	0.038	0.21	0.45	7.6	1	1.2	378	0.30	0.09	1.5	0.217	0.30
M677572		13.8	40.9	0.068	0.89	0.56	8.6	2	1.2	398	0.26	0.19	1.4	0.232	0.40
M677573		13.2	37.0	0.063	0.88	0.55	8.0	2	1.3	393	0.26	0.18	1.2	0.231	0.39
M677574		19.1	33.2	0.043	0.35	0.72	8.2	2	1.5	405	0.37	0.12	2.0	0.263	0.34
M677575		8.2	31.9	0.042	0.29	0.37	5.4	2	1.0	475	0.36	0.05	2.7	0.177	0.25
M677576		8.7	36.5	0.082	0.57	0.35	5.4	2	1.2	498	0.41	0.06	2.7	0.193	0.26
M677577		1.4	0.8	<0.002	0.01	<0.05	0.3	1	<0.2	46.1	<0.05	<0.05	<0.2	<0.005	<0.02
M677578		9.1	35.6	0.013	0.99	0.27	4.7	1	1.1	552	0.39	<0.05	2.5	0.184	0.28
M677579		12.3	33.8	0.041	1.24	0.43	5.7	2	1.1	476	0.39	0.05	2.3	0.205	0.27
M677580		12.2	37.7	0.056	0.91	0.49	4.6	2	1.1	492	0.39	0.08	2.3	0.175	0.32
M677581		8.5	25.3	0.056	0.97	0.36	5.2	1	0.9	491	0.30	0.07	2.3	0.170	0.22
M677582		9.2	26.4	0.056	0.81	0.30	4.8	1	0.9	482	0.34	<0.05	2.4	0.172	0.21
M677583		35.2	132.0	0.004	1.36	32.2	7.4	8	105.0	251	0.66	0.98	10.9	0.247	1.38
M677584		11.2	23.5	0.054	0.64	0.34	5.1	2	1.0	542	0.48	0.05	2.5	0.212	0.18
M677585		12.1	25.2	0.108	0.50	0.47	4.4	1	0.9	526	0.38	0.14	2.9	0.182	0.23



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CERTIFICATE OF ANALYSIS WH12220542

Sample Description	Method Analyte Units LOR	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
M677550		78	4.0	9.1	74	3.5
M677551		81	8.5	10.3	54	5.2
M677552		40	1.9	6.0	54	7.8
M677553		40	2.3	6.0	38	10.4
M677554		55	3.5	8.4	57	9.8
M677555		64	3.0	8.8	45	5.7
M677556		65	3.0	9.4	46	5.6
M677557		77	2.9	11.1	42	6.5
M677558		91	1.8	11.1	35	5.4
M677559		90	1.5	10.5	90	3.7
M677560		84	1.7	9.8	64	3.4
M677561		2	0.2	1.1	21	<0.5
M677562		80	1.9	10.3	30	3.2
M677563		79	3.0	10.5	142	4.9
M677564		62	2.0	8.8	44	6.5
M677565		85	3.0	9.1	71	3.8
M677566		74	2.8	8.9	47	4.9
M677567		55	32.8	30.8	160	60.9
M677568		69	2.5	7.6	36	2.5
M677569		70	2.3	7.9	23	2.3
M677570		72	2.2	8.1	37	2.3
M677571		57	2.8	7.4	44	2.7
M677572		70	1.3	7.3	40	2.8
M677573		70	1.3	6.9	39	2.1
M677574		70	2.6	8.7	65	3.5
M677575		45	3.7	7.4	35	4.2
M677576		48	3.3	7.4	73	3.6
M677577		1	0.1	0.9	14	0.5
M677578		47	2.5	7.0	32	3.1
M677579		56	3.9	7.6	51	4.3
M677580		44	5.1	6.5	84	5.3
M677581		46	3.6	6.5	37	5.9
M677582		39	4.5	7.5	50	6.4
M677583		57	33.6	31.9	171	62.3
M677584		42	5.1	7.9	55	7.5
M677585		42	3.7	6.2	50	5.6



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CERTIFICATE OF ANALYSIS WH12220542

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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Project: Mint

P.O. No.: Batch 18

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- SEP- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
PUL- 31d	Pulverize Split - duplicate
SPL- 21d	Split sample - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

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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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677586		6.94	0.062	0.37	7.44	5.9	970	0.94	0.24	1.83	0.13	23.1	12.0	20	0.84	323
M677587		7.51	0.082	0.47	7.55	5.7	960	1.03	0.14	1.96	0.08	22.6	11.7	19	1.00	540
M677588		7.99	0.061	0.29	7.40	6.1	1040	1.00	0.19	2.14	0.26	21.9	8.0	18	1.07	205
M677589		3.52	0.254	0.67	7.04	4.9	910	0.92	0.38	2.61	0.63	23.9	5.2	19	0.82	135.5
M677590		3.08	<0.005	0.01	0.06	<5	20	<0.05	0.02	20.7	0.07	1.26	1.3	<1	0.11	3.1
M677591		4.56	0.015	0.24	7.43	1.5	860	1.15	0.15	1.74	0.12	23.0	3.1	15	0.75	116.0
M677592		7.74	0.066	0.48	7.78	8.4	780	1.22	0.33	2.26	0.09	22.2	7.3	20	0.91	187.5
M677593		8.23	0.104	0.49	7.04	9.3	1060	1.26	0.51	2.31	0.22	27.0	7.7	12	0.96	116.5
M677594		7.59	0.113	1.11	7.53	5.6	840	1.18	1.60	1.78	0.73	24.8	6.3	18	0.79	392
M677595		0.07	0.789	7.58	4.85	7600	1230	1.38	211	13.50	1.2	445	71.3	48	10.35	3430
M677596		7.77	0.066	0.67	7.23	9.5	760	1.09	0.68	1.82	1.57	22.7	4.7	20	0.97	201
M677597		7.37	0.083	0.62	7.20	11.1	1230	1.07	0.62	2.04	0.37	24.9	12.0	18	1.14	475
M677598		8.50	0.052	0.32	7.12	5.5	1030	1.13	0.26	2.44	0.46	23.4	5.2	17	1.10	156.5
M677599		6.32	0.050	0.39	7.09	3.1	910	0.98	0.31	2.51	0.65	20.7	7.4	19	1.01	166.0
M677600		6.84	0.169	0.55	7.06	11.7	1100	1.25	0.71	2.20	0.50	23.4	6.6	10	1.62	162.5
M677601		2.47	0.189	0.61	7.19	9.9	1410	1.25	0.73	2.34	0.72	22.4	5.7	9	1.64	169.5
M677602		5.50	2.89	21.0	7.23	25.7	1020	1.21	18.90	1.88	1.63	34.0	12.0	11	2.03	1430
M677603		8.67	0.058	0.62	7.21	10.6	960	0.94	0.33	2.29	0.50	22.3	9.7	21	1.61	197.5
M677604		8.59	0.021	0.11	6.89	13.2	760	0.93	0.08	2.67	0.09	20.8	7.3	19	2.25	17.8
M677605		5.01	0.056	0.42	7.05	7.6	690	1.01	0.19	2.31	0.27	25.9	11.8	18	1.71	234
M677606		9.10	0.157	1.59	7.51	12.3	470	1.12	0.68	2.30	0.77	22.9	18.2	27	1.65	782
M677607		0.07	0.800	6.83	4.72	7250	1190	1.22	205	12.90	0.90	411	68.3	46	9.70	3350
M677608		7.11	0.055	0.92	7.02	9.6	660	0.92	0.14	2.13	0.18	21.8	14.0	21	1.15	594
M677609		8.15	0.058	0.74	6.89	6.2	670	1.12	0.14	2.17	0.15	20.8	15.9	24	1.06	504
M677610		8.29	0.039	0.45	7.21	6.9	890	1.21	0.09	1.94	0.12	23.3	15.9	21	1.13	234
M677611		8.34	0.114	1.13	7.24	4.1	1080	1.04	0.08	2.00	0.24	21.4	13.8	19	1.18	955
M677612		<0.02	0.115	1.24	6.75	3.8	1070	1.03	0.07	1.97	0.29	19.85	14.0	19	1.10	1035
M677613		7.99	0.096	0.88	6.90	15.1	910	1.12	0.12	1.95	0.74	20.1	9.7	19	1.10	580
M677614		8.20	0.090	0.90	7.02	12.5	900	1.09	0.13	1.94	0.89	21.7	15.2	18	1.68	494
M677615		8.67	0.042	6.02	6.82	7.1	800	1.02	0.07	2.01	0.23	19.25	8.4	19	1.47	227
M677616		8.09	<0.005	0.25	7.06	7.4	750	1.06	0.04	2.64	0.08	18.65	7.0	20	3.13	23.9
M677617		8.81	0.041	0.42	6.97	87.6	850	1.09	0.09	2.05	0.89	26.2	8.9	17	1.92	166.5
M677618		4.07	<0.005	0.11	0.05	<5	60	0.06	0.02	20.0	0.06	1.09	0.6	<1	0.11	2.4
M677619		8.29	0.033	0.44	7.22	5.4	750	1.05	0.10	2.00	0.09	30.5	6.0	17	1.26	312
M677620		6.34	0.091	1.60	7.13	10.1	800	0.94	0.20	1.65	0.22	21.6	8.6	18	1.78	1090
M677621		9.58	<0.005	0.08	7.65	8.4	590	1.00	0.04	5.82	0.09	37.9	21.2	13	2.81	45.7



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Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677586		1.40	12.05	<0.05	0.2	0.021	1.58	12.9	6.9	0.73	170	133.5	3.47	4.9	16.7	510
M677587		1.72	13.15	0.05	0.2	0.026	1.66	12.6	7.5	0.86	154	34.5	3.04	4.3	15.8	540
M677588		1.42	13.00	0.06	0.2	0.018	1.65	11.7	6.7	0.76	218	16.45	2.81	4.2	15.3	560
M677589		1.16	13.85	0.09	0.2	0.054	1.61	12.4	8.3	0.85	424	38.8	2.99	4.4	17.5	520
M677590		0.48	0.22	0.07	<0.1	<0.005	0.02	0.6	0.9	12.80	203	0.27	<0.01	0.3	3.5	200
M677591		0.69	13.55	0.09	0.2	0.024	1.65	12.0	6.7	0.87	253	22.1	2.98	2.8	9.9	540
M677592		1.24	15.40	0.10	0.6	0.031	1.53	11.7	9.1	0.85	384	23.7	3.01	5.6	17.0	620
M677593		1.70	16.55	0.12	0.9	0.057	1.91	14.4	8.4	0.69	554	27.1	2.58	7.7	12.5	560
M677594		1.01	13.90	0.07	0.2	0.073	1.33	13.6	7.6	0.75	348	22.6	3.32	4.6	16.9	570
M677595		9.13	17.75	0.44	1.9	1.805	1.90	257	36.8	1.39	2290	13.55	0.83	9.3	37.3	960
M677596		0.88	13.55	<0.05	0.3	0.045	1.45	12.4	7.1	0.78	432	23.1	2.94	4.8	17.7	580
M677597		1.44	12.55	0.07	0.3	0.049	1.50	13.3	6.4	0.70	292	19.20	2.76	4.8	18.3	550
M677598		0.97	12.70	0.07	0.3	0.029	1.54	12.0	5.6	0.71	204	21.4	2.92	3.9	13.4	540
M677599		1.12	13.25	0.07	0.2	0.044	1.12	11.2	9.6	0.74	225	29.7	3.27	4.3	16.8	560
M677600		1.96	15.10	0.08	1.1	0.047	1.94	13.2	9.7	0.68	518	2.63	2.32	7.6	10.3	530
M677601		1.90	15.05	0.07	1.1	0.049	2.01	12.4	9.5	0.69	554	2.78	2.35	7.6	10.0	540
M677602		2.27	15.75	0.10	0.9	0.148	2.21	19.5	13.6	0.73	645	3.83	1.75	7.5	14.3	530
M677603		1.25	13.70	0.08	0.4	0.041	1.28	11.7	12.7	0.68	461	13.90	3.23	5.1	17.1	550
M677604		1.82	16.45	0.12	1.7	0.016	1.80	11.2	25.7	0.78	430	2.03	2.34	6.2	18.4	470
M677605		1.49	15.45	0.08	0.6	0.037	1.08	13.5	15.7	0.85	330	43.7	3.24	5.0	19.7	1050
M677606		1.66	15.60	0.09	0.2	0.042	0.90	11.6	8.8	0.97	328	60.2	3.46	5.8	22.5	730
M677607		8.84	17.05	0.42	1.7	1.675	1.85	242	33.6	1.34	2210	14.45	0.80	8.9	36.2	920
M677608		1.43	15.40	0.08	0.2	0.029	1.05	11.0	6.8	0.70	305	74.7	3.40	4.6	17.6	580
M677609		1.49	15.00	0.08	0.2	0.021	1.14	10.3	6.5	0.75	274	88.5	3.37	4.9	17.3	620
M677610		1.26	15.75	0.08	0.2	0.015	1.35	12.2	6.0	0.68	216	51.1	3.31	4.2	15.8	570
M677611		1.31	15.55	0.08	0.2	0.012	1.51	11.3	6.9	0.68	268	24.1	3.34	4.0	15.9	560
M677612		1.28	15.45	0.09	0.2	0.018	1.52	10.1	6.8	0.67	273	20.8	3.31	4.0	16.3	550
M677613		1.17	15.00	0.09	0.2	0.023	1.42	10.3	7.2	0.51	331	27.9	3.25	5.3	14.8	540
M677614		1.41	14.90	0.10	0.2	0.031	1.52	11.0	10.9	0.67	356	20.0	3.22	4.3	17.8	560
M677615		1.21	15.15	0.09	0.3	0.014	1.18	9.8	13.4	0.63	285	8.36	3.34	3.7	15.1	530
M677616		1.77	17.30	0.10	1.6	0.013	1.65	9.7	32.6	0.72	460	1.37	2.59	5.9	16.3	490
M677617		1.51	15.20	0.08	0.4	0.009	1.22	13.5	15.0	0.56	511	14.65	3.00	4.6	18.6	520
M677618		0.43	0.21	0.20	<0.1	<0.005	0.02	0.5	1.0	12.60	186	0.16	0.01	0.1	1.5	180
M677619		1.03	16.10	0.13	0.1	0.018	1.18	15.3	5.4	0.49	152	13.15	3.38	3.9	14.6	530
M677620		1.30	16.20	0.13	0.2	0.028	1.29	11.2	5.9	0.54	163	18.60	3.13	3.8	17.1	530
M677621		4.07	19.20	0.14	2.7	0.050	0.83	15.4	7.9	0.81	619	1.50	2.27	7.5	18.9	1400



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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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.1
M677586		9.5	32.9	0.249	0.62	0.36	4.6	2	1.0	499	0.41	0.12	2.7	0.182	0.9
M677587		7.1	32.5	0.057	0.82	0.47	4.4	2	0.9	486	0.37	0.07	2.7	0.166	0.9
M677588		9.8	30.5	0.018	0.86	0.58	4.2	1	0.8	504	0.34	0.19	2.6	0.155	0.8
M677589		27.8	34.4	0.049	1.60	1.75	4.8	2	1.1	431	0.36	0.52	2.5	0.140	0.8
M677590		1.5	1.0	<0.002	0.01	<0.05	0.3	1	<0.2	45.0	<0.05	<0.05	<0.2	<0.005	0.7
M677591		10.0	33.2	0.035	0.21	0.43	4.3	1	0.8	393	0.25	0.14	2.5	0.116	0.9
M677592		19.0	32.4	0.033	0.81	1.40	5.1	1	0.9	453	0.46	0.40	2.8	0.182	0.9
M677593		23.8	41.1	0.027	1.35	0.76	4.3	2	0.8	413	0.67	0.57	3.1	0.171	1.0
M677594		64.3	31.0	0.022	0.56	0.54	3.4	2	1.0	480	0.36	1.02	2.6	0.168	0.8
M677595		36.2	121.5	0.003	1.32	30.5	7.3	7	102.0	247	0.63	1.14	10.3	0.240	13.3
M677596		71.3	35.7	0.019	0.49	0.66	5.4	2	1.1	459	0.38	0.43	2.5	0.191	0.7
M677597		16.8	32.4	0.019	1.24	0.94	4.1	2	1.0	572	0.40	0.40	2.6	0.173	0.8
M677598		12.9	31.5	0.019	1.03	0.54	4.1	1	1.0	526	0.32	0.18	2.4	0.149	0.7
M677599		17.8	23.8	0.036	1.16	0.49	5.4	1	1.0	566	0.36	0.27	2.4	0.179	0.7
M677600		42.3	46.2	0.002	1.79	0.84	3.7	2	0.9	443	0.63	0.77	3.1	0.166	1.0
M677601		54.1	46.2	0.002	1.68	0.75	3.7	2	0.9	416	0.67	0.67	3.2	0.175	1.0
M677602		217	62.1	0.005	1.98	1.19	4.3	4	1.0	331	0.62	16.30	3.5	0.177	1.1
M677603		48.0	33.1	0.018	0.88	1.25	4.8	2	1.1	655	0.42	0.31	2.2	0.191	0.7
M677604		13.2	45.3	<0.002	0.12	3.60	4.7	1	0.5	408	0.55	<0.05	2.5	0.181	1.5
M677605		38.2	27.9	0.030	0.39	1.48	5.3	2	1.1	563	0.41	0.12	2.2	0.198	1.0
M677606		72.8	22.7	0.058	0.65	1.30	6.2	2	1.8	469	0.43	0.42	2.0	0.258	0.8
M677607		32.2	116.0	0.004	1.27	28.6	7.1	6	95.5	240	0.59	0.87	9.5	0.231	12.2
M677608		22.1	21.7	0.038	0.59	0.70	5.1	2	1.6	565	0.34	0.16	2.3	0.195	0.9
M677609		14.8	23.2	0.045	0.67	0.57	4.9	1	1.4	557	0.39	0.20	2.1	0.204	0.7
M677610		12.0	28.7	0.018	0.49	0.84	4.6	1	1.3	535	0.35	0.14	2.6	0.173	0.8
M677611		15.6	30.7	0.026	0.56	0.52	4.6	2	1.4	499	0.33	0.26	2.4	0.174	0.7
M677612		15.5	28.6	0.022	0.58	0.56	4.3	1	1.5	481	0.33	0.22	2.1	0.174	0.7
M677613		17.0	28.5	0.056	0.38	1.70	4.5	1	1.5	470	0.43	0.17	2.3	0.192	0.7
M677614		32.7	37.5	0.024	0.76	1.34	4.4	3	1.4	456	0.37	0.24	2.3	0.173	0.8
M677615		40.8	25.9	0.016	0.44	0.94	4.1	1	1.1	473	0.30	0.05	2.3	0.158	0.7
M677616		20.0	37.0	0.002	0.06	1.70	4.6	1	0.7	435	0.53	<0.05	2.2	0.194	0.8
M677617		74.2	31.0	0.020	0.41	2.41	4.8	1	1.2	432	0.37	0.09	2.4	0.173	0.9
M677618		1.5	0.7	<0.002	<0.01	0.09	0.1	<1	<0.2	48.9	<0.05	<0.05	<0.2	<0.005	0.7
M677619		12.5	29.3	0.010	0.48	0.61	4.7	1	1.4	484	0.34	0.16	2.6	0.169	0.9
M677620		27.6	34.4	0.033	0.52	1.07	4.7	1	1.5	451	0.34	0.20	2.6	0.167	1.0
M677621		7.9	9.8	0.002	0.05	1.49	15.6	1	0.8	966	0.39	0.05	2.3	0.602	0.9



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M677586		44	4.7	6.5	39	7.5
M677587		39	3.7	6.7	32	7.6
M677588		35	4.3	7.0	58	6.7
M677589		35	5.2	7.4	104	6.6
M677590		2	0.1	0.9	14	<0.5
M677591		31	5.4	6.8	29	6.9
M677592		43	5.6	7.6	40	18.0
M677593		35	2.7	7.0	58	25.9
M677594		32	5.5	7.9	129	7.7
M677595		55	31.2	30.1	167	66.8
M677596		48	6.6	7.3	251	9.6
M677597		37	5.1	6.6	71	8.6
M677598		33	5.2	6.2	73	9.5
M677599		54	4.4	6.0	101	7.8
M677600		32	4.3	6.8	94	32.9
M677601		33	3.9	6.5	131	31.3
M677602		36	2.8	7.2	202	27.2
M677603		43	4.1	6.9	101	13.3
M677604		40	0.8	5.4	93	64.3
M677605		51	3.6	8.1	94	23.1
M677606		63	4.7	8.1	139	5.3
M677607		54	30.5	28.2	161	60.2
M677608		49	4.4	6.6	55	6.9
M677609		47	3.5	6.3	53	5.8
M677610		41	3.9	6.0	42	6.5
M677611		43	3.7	6.1	53	4.9
M677612		43	3.7	5.7	54	4.8
M677613		41	4.9	6.4	103	5.6
M677614		42	3.6	6.6	130	5.0
M677615		42	2.2	5.6	64	9.9
M677616		43	0.6	5.2	72	56.2
M677617		43	3.7	5.8	173	13.9
M677618		2	0.1	0.7	14	<0.5
M677619		40	1.8	5.7	31	5.5
M677620		44	2.0	5.4	65	4.1
M677621		170	0.6	12.2	80	112.0



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Project: Mint

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CERTIFICATE OF ANALYSIS WH12223898

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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Project: Mint

P.O. No.: Batch 19

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- SEP- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	VARIABLE

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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 WH12223899

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677622		5.99	0.029	0.21	7.92	7.9	1040	1.28	0.32	1.32	0.09	38.8	10.9	23	1.12	171.0
M677623		6.71	0.029	0.21	7.22	4.0	730	1.74	0.17	1.61	0.07	32.5	5.5	6	0.79	292
M677624		5.64	0.016	0.09	7.82	7.0	700	1.69	0.27	1.56	0.06	46.1	10.2	6	1.14	42.0
M677625		8.82	0.032	0.16	8.00	7.1	1040	1.65	0.30	1.79	0.06	41.4	11.8	7	1.18	118.0
M677626		0.10	1.185	22.0	4.05	9110	600	1.49	257	14.10	2.92	241	71.2	50	6.19	>10000
M677627		7.21	0.060	0.26	7.97	13.5	630	1.76	0.47	1.96	0.09	43.5	7.2	6	1.49	252
M677628		6.43	0.045	0.19	8.26	15.6	570	1.79	0.60	1.64	0.14	43.4	8.1	4	1.45	90.1
M677629		7.73	0.054	0.23	7.64	6.7	470	1.76	0.37	1.98	0.08	42.9	11.7	5	1.04	211
M677630		7.67	0.022	0.26	6.69	5.8	560	1.33	0.36	0.94	0.06	32.2	9.8	20	1.04	91.0
M677631		3.46	<0.005	0.02	0.08	<5	20	0.08	0.03	20.1	0.07	1.35	0.6	<1	0.19	2.3
M677632		7.46	0.014	0.29	6.97	4.5	900	0.66	0.45	0.34	0.54	9.40	8.5	56	1.02	47.1
M677633		3.71	0.011	2.86	8.02	3.9	1390	0.91	0.33	0.47	0.10	11.50	8.9	55	1.62	45.9
M677634		5.81	0.015	8.74	7.21	5.4	750	0.75	0.35	0.37	0.53	9.56	7.9	50	2.11	124.0
M677635		7.28	0.017	0.21	7.11	4.4	730	1.31	0.32	1.33	0.06	33.1	9.5	24	1.04	96.6
M677636		<0.02	0.019	0.18	7.41	4.4	760	1.39	0.29	1.34	0.07	33.0	9.7	23	1.05	102.0
M677637		6.59	0.013	0.21	6.83	3.0	960	0.70	0.37	0.89	0.11	9.51	12.4	46	0.89	91.9
M677638		5.66	0.022	0.24	8.10	4.9	1160	0.84	0.38	0.85	0.45	9.49	9.8	63	1.73	52.1
M677639		8.76	0.065	0.15	7.40	1.2	570	0.96	0.09	1.87	0.04	21.9	5.3	20	0.87	171.5
M677640		7.56	0.049	0.20	7.53	2.3	800	0.96	0.12	1.96	0.04	24.6	5.8	20	1.03	144.0
M677641		7.47	0.030	0.24	7.30	1.4	730	0.96	0.08	1.95	0.04	20.7	5.6	18	1.06	89.5
M677642		7.58	0.010	0.08	7.52	1.6	360	0.95	0.04	2.08	0.03	15.85	5.3	19	0.95	42.0
M677643		0.10	0.798	7.68	4.86	8460	1230	1.56	216	13.00	1.13	464	76.6	49	11.15	3480
M677644		8.57	0.014	0.09	7.46	4.2	370	0.98	0.12	2.10	0.04	19.55	5.5	19	0.84	59.3
M677645		8.41	0.017	0.10	7.76	1.6	390	0.96	0.07	2.24	0.03	15.70	6.1	19	0.90	70.5
M677646		7.57	0.012	0.14	7.66	1.1	470	0.94	0.18	2.18	0.03	17.05	7.3	18	1.10	70.2
M677647		3.17	0.053	0.52	7.28	14.5	480	0.93	0.18	2.33	1.14	14.90	7.2	23	1.92	84.5
M677648		1.12	0.040	0.47	7.47	10.6	460	0.93	0.17	2.42	2.30	16.50	7.1	21	1.77	88.0
M677649		4.40	0.012	0.26	7.69	1.4	380	0.97	0.11	2.20	0.17	15.35	5.6	18	1.26	58.6
M677650		7.08	0.020	0.27	7.56	1.3	370	0.92	0.09	2.06	0.06	15.40	6.7	17	1.23	139.0
M677651		8.46	0.017	0.18	7.51	1.4	460	0.87	0.13	2.02	0.04	14.90	7.6	19	1.13	48.3
M677652		7.28	0.027	0.24	7.34	2.6	350	1.00	0.10	2.10	0.05	18.70	5.1	18	0.97	175.5
M677653		6.06	0.047	0.30	7.22	8.8	310	0.93	0.15	2.01	0.06	23.9	9.7	18	0.96	282
M677654		3.96	<0.005	0.01	0.11	<5	10	0.06	0.02	20.8	0.05	1.27	1.5	<1	0.30	2.4
M677655		6.96	0.018	0.15	7.33	0.9	360	0.87	0.13	2.19	0.05	17.70	6.1	20	0.79	110.0
M677656		7.41	0.065	0.55	7.23	4.7	460	0.89	0.37	2.05	0.10	13.50	10.0	19	1.46	193.5
M677657		7.70	0.043	0.24	7.37	3.3	730	0.96	0.51	2.20	0.03	17.15	12.7	20	1.05	89.6



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Project: Mint

CERTIFICATE OF ANALYSIS WH12223899

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677622		2.16	16.90	0.11	0.4	0.029	1.47	22.9	7.2	0.66	174	6.19	3.29	5.3	26.2	860
M677623		1.19	15.95	0.09	0.4	0.022	0.78	18.7	10.1	0.76	152	12.20	3.96	7.6	13.1	960
M677624		2.09	16.25	0.13	0.4	0.018	1.31	27.1	6.8	0.67	153	8.01	3.35	6.8	12.0	920
M677625		2.21	17.75	0.13	0.4	0.022	1.25	24.3	6.7	0.79	170	9.04	3.50	7.6	10.1	1020
M677626		10.85	15.00	0.40	1.5	5.51	1.08	155.5	40.6	1.26	1770	17.45	1.15	8.8	69.9	790
M677627		2.25	20.3	0.11	0.3	0.030	1.09	25.1	10.0	1.03	207	3.77	3.69	7.4	9.7	1180
M677628		2.94	19.45	0.13	0.2	0.041	1.16	24.9	11.4	1.12	201	5.33	3.22	6.1	11.4	1210
M677629		2.28	18.40	0.12	0.3	0.023	0.73	20.7	10.2	1.06	181	6.64	3.19	4.6	12.7	1180
M677630		1.79	14.85	0.10	0.3	0.013	1.03	15.9	6.9	0.70	142	6.71	2.77	3.6	21.1	810
M677631		0.44	0.30	0.18	<0.1	<0.005	0.03	0.6	1.2	12.50	204	0.17	0.01	0.2	1.7	180
M677632		1.09	15.05	0.14	0.4	0.026	1.68	4.6	4.3	0.24	44	10.25	2.43	2.2	26.9	860
M677633		0.98	19.00	0.12	0.1	0.020	1.95	5.7	4.4	0.35	58	15.20	3.23	2.2	23.6	830
M677634		1.17	15.60	0.07	0.2	0.026	1.27	5.1	4.9	0.40	88	11.00	3.34	2.7	36.5	530
M677635		1.54	16.70	0.11	0.3	0.025	1.00	19.7	6.6	0.70	150	5.56	3.18	4.1	18.9	850
M677636		1.57	17.30	0.11	0.2	0.025	1.03	19.7	6.8	0.72	154	5.07	3.29	4.2	19.3	880
M677637		1.35	13.75	0.09	0.2	0.023	1.22	5.2	3.5	0.31	140	9.00	3.41	2.3	40.6	500
M677638		1.16	17.00	0.09	0.2	0.026	1.84	4.9	3.9	0.31	108	13.75	3.80	2.4	28.7	630
M677639		1.53	18.95	0.10	0.1	0.018	0.69	12.0	6.6	0.78	138	34.3	3.65	4.4	19.8	520
M677640		1.56	19.20	0.11	0.1	0.016	0.74	13.3	7.9	0.86	171	27.8	3.51	4.1	23.2	520
M677641		1.20	19.25	0.08	0.1	0.010	0.70	10.9	7.6	0.77	140	35.9	3.48	4.0	20.7	500
M677642		1.27	18.80	0.09	0.1	0.007	0.67	8.4	7.2	0.82	131	18.90	3.63	4.2	24.7	520
M677643		9.16	21.5	0.46	1.8	2.11	1.97	259	38.4	1.42	2470	15.75	0.84	10.5	39.0	950
M677644		1.41	18.60	0.08	0.1	0.012	0.77	10.7	6.8	0.74	125	12.80	3.68	4.4	21.2	510
M677645		1.45	18.85	0.08	0.1	0.013	0.68	8.6	6.3	0.79	165	41.7	3.64	4.1	24.4	510
M677646		1.54	19.35	0.10	0.1	0.016	0.82	9.0	7.1	0.86	179	43.4	3.58	3.9	20.5	520
M677647		1.66	18.90	0.10	0.5	0.022	1.24	7.7	8.4	0.87	318	19.80	2.97	4.1	24.1	510
M677648		1.63	19.75	0.11	0.4	0.026	1.15	8.5	8.4	0.93	322	22.9	3.12	4.1	24.4	560
M677649		1.35	18.35	0.09	0.2	0.011	0.86	7.4	8.1	0.82	186	33.4	3.56	3.8	21.2	550
M677650		1.41	18.15	0.10	0.1	0.015	0.83	7.7	7.9	0.79	191	7.97	3.58	3.4	19.3	480
M677651		1.88	17.45	0.10	0.1	0.022	0.86	7.8	6.2	0.85	221	12.65	3.45	3.1	19.7	500
M677652		1.59	18.90	0.10	0.1	0.022	0.58	9.8	6.6	0.84	200	5.96	3.54	3.7	29.2	530
M677653		1.78	17.60	0.12	0.2	0.025	0.52	13.3	6.8	0.79	192	4.96	3.50	3.3	25.3	480
M677654		0.46	0.36	0.05	<0.1	<0.005	0.04	0.7	1.5	13.05	216	0.14	0.01	0.3	3.4	180
M677655		1.43	16.60	0.08	0.2	0.023	0.44	10.3	5.5	0.71	224	5.25	3.51	2.4	20.3	400
M677656		2.73	17.30	0.13	0.2	0.072	1.05	7.2	6.1	0.62	303	13.95	2.84	2.8	23.8	390
M677657		3.31	16.85	0.12	0.2	0.041	0.90	9.0	5.6	0.85	271	4.01	2.83	4.5	21.1	580



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CERTIFICATE OF ANALYSIS WH12223899

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M677622		5.7	36.7	0.007	2.15	0.77	4.4	2	1.1	326	0.45	0.27	3.6	0.117	0.37
M677623		4.7	13.4	0.012	0.94	0.58	3.3	1	0.8	498	0.66	0.11	4.4	0.123	0.18
M677624		5.4	31.2	0.006	2.11	0.69	3.7	3	1.2	411	0.58	0.18	5.1	0.106	0.26
M677625		5.1	26.6	0.009	2.12	0.71	4.3	2	1.0	462	0.65	0.24	4.8	0.142	0.25
M677626		30.5	64.2	0.007	2.50	34.2	6.8	12	89.8	245	0.57	1.44	8.9	0.197	0.98
M677627		8.2	20.9	0.002	1.68	1.03	5.5	2	1.0	546	0.60	0.26	4.1	0.202	0.28
M677628		9.8	27.9	0.003	2.75	0.93	5.3	2	0.8	468	0.51	0.46	4.2	0.157	0.29
M677629		7.1	14.7	0.003	1.95	0.83	5.2	2	0.8	493	0.36	0.39	3.4	0.153	0.19
M677630		4.9	25.8	0.010	1.68	0.65	4.3	2	1.2	299	0.30	0.28	3.0	0.095	0.25
M677631		1.4	1.3	0.002	<0.01	0.07	0.2	<1	<0.2	44.2	<0.05	<0.05	<0.2	<0.005	<0.02
M677632		24.4	43.7	0.019	1.03	0.82	9.4	1	0.9	175.5	0.16	0.36	0.9	0.116	0.47
M677633		11.3	52.9	0.033	0.94	0.84	11.0	1	1.6	295	0.18	0.24	1.1	0.113	0.49
M677634		30.8	36.5	0.014	0.97	1.11	6.2	1	1.0	249	0.22	0.26	1.1	0.139	0.44
M677635		5.0	26.2	0.003	1.33	0.64	5.6	1	0.7	343	0.34	0.20	3.2	0.124	0.25
M677636		5.1	26.1	0.003	1.35	0.64	5.8	1	0.7	358	0.35	0.18	3.3	0.128	0.26
M677637		6.1	31.8	0.014	1.33	0.71	7.5	1	0.6	233	0.19	0.30	0.9	0.121	0.32
M677638		35.0	46.1	0.018	1.17	1.00	8.5	1	1.0	307	0.19	0.33	1.1	0.126	0.53
M677639		4.1	22.4	0.090	0.23	0.38	5.3	1	0.4	433	0.34	0.09	2.0	0.182	0.19
M677640		4.4	24.8	0.020	0.53	0.53	5.6	1	0.6	432	0.31	0.16	2.1	0.178	0.22
M677641		3.7	23.7	0.025	0.35	0.40	5.8	1	0.4	420	0.31	0.11	2.0	0.171	0.20
M677642		3.8	22.7	0.039	0.21	0.50	5.5	1	0.4	448	0.31	0.05	2.1	0.177	0.19
M677643		37.5	125.5	0.003	1.32	36.0	8.5	7	102.5	255	0.69	0.96	10.9	0.241	1.39
M677644		3.7	24.5	0.026	0.25	0.36	4.7	1	0.4	469	0.34	<0.05	2.1	0.184	0.20
M677645		3.6	22.2	0.056	0.35	0.46	5.5	1	0.4	470	0.31	0.09	2.1	0.172	0.19
M677646		4.1	28.6	0.075	0.91	0.36	5.8	1	0.5	434	0.30	0.23	2.2	0.159	0.25
M677647		17.8	35.7	0.047	1.04	2.64	6.2	1	0.9	366	0.31	0.27	1.8	0.175	0.46
M677648		25.5	34.0	0.054	0.97	2.60	6.7	1	0.7	378	0.31	0.23	2.0	0.175	0.42
M677649		5.9	26.2	0.104	0.74	0.38	5.6	1	0.6	422	0.27	0.16	1.9	0.150	0.27
M677650		4.0	26.7	0.028	0.80	0.35	5.4	1	0.5	395	0.24	0.12	2.0	0.133	0.29
M677651		3.6	23.2	0.045	1.30	0.31	5.7	2	0.6	391	0.23	0.15	2.0	0.129	0.29
M677652		3.8	15.7	0.014	0.63	0.44	5.3	1	0.5	441	0.27	0.13	2.3	0.147	0.21
M677653		3.6	13.9	0.009	1.13	0.46	5.1	2	0.5	440	0.21	0.21	1.9	0.121	0.18
M677654		1.2	1.8	<0.002	<0.01	<0.05	0.3	1	<0.2	46.4	<0.05	<0.05	<0.2	<0.005	<0.02
M677655		3.5	10.6	0.013	0.74	0.31	5.2	1	0.4	483	0.19	0.13	1.5	0.114	0.16
M677656		6.4	33.9	0.026	2.38	1.20	5.2	2	0.8	380	0.21	0.45	1.6	0.126	0.39
M677657		4.0	19.6	0.010	2.87	1.42	5.9	2	1.1	414	0.35	0.64	2.2	0.193	0.27



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Project: Mint

CERTIFICATE OF ANALYSIS WH12223899

Sample Description	Method Analyte Units LOR	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	Cu- OG62 Cu % 0.001
M677622		40	1.8	7.5	27	16.2	
M677623		35	1.4	6.9	26	17.4	
M677624		34	2.2	8.5	23	17.9	
M677625		41	1.2	9.2	28	15.2	
M677626		46	271	26.7	306	52.0	1.270
M677627		55	1.4	10.0	37	10.9	
M677628		52	2.0	8.8	49	8.8	
M677629		54	1.0	8.7	34	9.0	
M677630		37	1.9	6.0	30	11.1	
M677631		2	0.1	0.8	16	<0.5	
M677632		47	1.5	2.5	66	6.6	
M677633		65	19.3	2.3	17	4.4	
M677634		60	92.0	2.5	72	7.6	
M677635		42	1.9	6.2	30	10.2	
M677636		42	1.7	6.3	31	9.3	
M677637		42	1.4	2.7	25	7.3	
M677638		58	2.2	2.5	61	5.0	
M677639		42	0.4	6.3	19	3.0	
M677640		45	0.5	7.1	22	3.3	
M677641		41	0.8	6.3	18	3.2	
M677642		43	0.3	6.6	18	3.4	
M677643		56	38.2	32.1	169	59.3	
M677644		43	0.2	5.2	18	3.2	
M677645		42	0.2	6.2	21	3.1	
M677646		50	0.3	4.9	22	3.4	
M677647		54	0.5	5.1	140	17.6	
M677648		56	0.6	5.6	242	12.3	
M677649		50	0.5	5.5	34	4.1	
M677650		39	0.7	6.4	20	3.3	
M677651		46	1.2	4.9	20	2.8	
M677652		58	0.5	5.8	22	3.3	
M677653		41	0.5	6.9	25	4.4	
M677654		3	0.2	0.8	18	<0.5	
M677655		46	0.7	5.4	24	7.4	
M677656		46	1.3	5.6	24	5.7	
M677657		60	1.1	6.0	23	6.6	



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CERTIFICATE OF ANALYSIS WH12223899

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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CERTIFICATE WH12224023

Project: Mint

P.O. No.: Batch 20

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21- SEP- 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
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
CRU- QC	Crushing QC Test
CRU- 31	Fine crushing - 70%<2mm
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS
Au- AA24	Au 50g FA AA finish AAS

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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 WH12224023

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677658		7.33	0.052	0.49	7.79	9.6	400	0.99	1.21	1.87	0.03	22.7	15.5	17	2.23	12.5
M677659		7.93	0.013	0.15	7.46	6.3	290	0.78	0.16	2.02	0.13	13.25	5.5	16	1.00	44.5
M677660		7.85	0.017	0.16	7.33	2.5	280	0.76	0.07	2.03	0.04	11.80	4.9	15	1.12	69.2
M677661		8.59	0.013	0.18	7.51	2.6	320	0.79	0.13	2.23	0.09	13.05	4.7	16	0.96	85.0
M677662		2.83	0.013	0.16	7.22	2.5	310	0.82	0.14	2.13	0.06	12.90	4.7	15	0.88	105.5
M677663		7.82	0.014	0.19	7.65	3.5	360	0.81	0.14	2.03	0.05	11.95	6.0	18	1.30	21.4
M677664		8.53	0.013	0.09	7.27	4.4	520	0.98	0.08	2.35	0.04	15.35	6.0	32	1.00	28.0
M677665		9.07	0.021	0.09	7.43	3.8	590	1.08	0.12	2.63	0.04	19.40	7.8	34	0.86	64.3
M677666		8.36	0.018	0.07	7.47	3.4	650	1.24	0.11	2.15	0.02	21.8	4.9	14	0.91	36.9
M677667		0.10	0.821	6.92	4.67	7340	1140	1.48	191.0	12.35	0.91	395	70.3	46	9.75	3270
M677668		4.92	0.017	0.12	7.74	5.2	670	1.05	0.21	1.92	0.06	19.85	4.7	11	1.16	36.0
M677669		5.58	0.034	0.26	7.54	12.2	620	1.10	0.07	2.65	0.47	20.4	5.9	22	1.24	51.7
M677670		4.98	0.023	0.05	7.49	2.9	480	1.31	0.04	2.26	0.06	22.0	5.4	11	0.66	51.3
M677671		8.35	0.025	0.18	7.72	7.2	540	1.24	0.11	2.37	0.14	21.5	5.7	13	0.92	50.6
M677672		3.20	<0.005	0.01	0.06	<5	10	0.07	0.02	20.4	0.08	1.24	1.2	<1	0.14	18.2
M677673		8.51	0.020	0.10	7.44	6.1	660	1.21	0.08	2.39	0.21	23.1	5.8	11	0.91	49.3
M677674		9.27	0.017	0.10	7.37	5.3	640	1.25	0.05	2.50	0.09	22.8	5.7	11	0.87	46.6
M677675		8.72	0.027	0.11	7.34	4.1	850	1.13	0.05	2.34	0.05	24.3	6.7	11	0.79	97.2
M677676		8.68	0.038	0.22	7.87	4.9	940	1.33	0.09	2.59	0.10	25.0	7.5	12	0.93	125.5
M677677		<0.02	0.034	0.20	7.46	4.1	900	1.32	0.09	2.43	0.12	23.5	7.4	11	0.87	125.0
M677678		7.80	0.029	0.24	7.26	6.5	680	1.26	0.09	2.09	0.13	21.1	6.5	10	1.38	61.9
M677679		7.51	0.030	0.20	7.27	8.6	560	1.19	0.09	2.21	0.06	21.7	5.2	10	0.84	84.5
M677680		8.38	0.053	0.96	7.25	8.7	450	1.14	0.13	2.36	0.12	20.5	6.9	14	1.01	116.0
M677681		4.00	0.077	0.35	7.40	10.0	370	1.24	0.11	2.38	0.18	22.4	7.6	16	0.95	136.5
M677682		4.79	0.028	0.06	7.39	5.1	410	1.16	0.06	2.57	0.07	24.4	5.1	17	0.66	69.4
M677683		0.10	0.873	7.06	4.63	7260	1130	1.43	198.5	12.00	0.89	402	67.7	43	9.73	3240
M677684		8.89	0.025	0.17	7.12	6.2	880	1.16	0.06	2.88	0.09	23.3	5.3	17	0.66	109.0
M677685		5.49	0.037	0.08	7.30	6.7	530	1.23	0.04	2.26	0.11	26.0	9.4	15	0.56	108.5
M677686		7.74	0.047	0.09	7.50	4.6	760	1.27	0.03	2.25	0.07	20.2	4.9	14	0.86	166.5
M677687		7.55	0.073	0.82	7.35	24.2	800	1.02	0.10	2.41	3.38	26.0	8.7	11	1.68	148.5
M677688		6.04	0.048	0.19	7.30	6.9	880	1.25	0.04	2.50	0.11	22.7	5.4	12	1.11	129.5
M677689		3.63	<0.005	0.01	0.08	<5	20	0.05	0.04	21.3	0.08	1.23	0.6	<1	0.19	2.0
M677690		3.67	0.026	0.21	7.19	4.5	800	1.01	0.03	2.51	0.09	20.5	5.3	13	0.89	117.5
M677691		5.40	0.028	0.17	7.26	3.7	880	1.17	0.04	2.37	0.12	23.2	6.3	13	0.91	152.5
M677692		6.71	0.032	0.16	7.22	6.1	560	1.19	0.04	2.68	0.16	22.1	5.9	12	0.86	184.0
M677693		8.77	0.080	0.32	7.45	4.9	890	1.22	0.05	2.57	0.23	23.9	7.8	15	0.92	310



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CERTIFICATE OF ANALYSIS WH12224023

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	
		Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
		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	10
M677658		4.72	17.75	0.09	0.5	0.119	2.21	10.8	8.6	1.03	483	1.79	1.20	7.6	20.1	790
M677659		1.41	15.10	<0.05	0.2	0.014	0.54	6.4	5.1	0.70	229	1.00	3.34	3.7	23.7	420
M677660		0.98	14.50	0.05	0.2	0.005	0.65	5.6	5.8	0.66	179	4.92	3.36	2.8	22.6	400
M677661		1.04	15.20	0.06	0.1	0.008	0.66	6.0	6.3	0.75	179	4.03	3.49	3.4	22.5	460
M677662		1.04	14.80	0.06	0.1	0.008	0.60	6.0	6.5	0.74	166	3.60	3.47	3.5	23.6	460
M677663		1.47	14.40	0.06	0.1	0.007	0.99	6.0	7.0	0.83	199	6.57	2.85	2.8	26.8	510
M677664		1.98	15.10	0.06	0.2	0.016	0.65	7.6	5.7	0.88	192	2.70	3.09	5.7	28.4	550
M677665		2.34	15.10	0.08	0.2	0.026	0.80	9.5	4.9	1.09	244	3.04	3.06	6.9	28.4	660
M677666		1.70	14.40	0.06	0.1	0.010	1.03	11.3	4.7	0.62	181	2.89	2.95	7.2	13.0	650
M677667		8.92	16.40	0.39	1.8	1.805	1.76	232	34.5	1.37	2290	14.15	0.76	9.2	39.6	880
M677668		1.25	13.50	<0.05	0.1	0.008	1.51	9.8	4.4	0.53	165	11.40	2.51	6.9	10.5	640
M677669		2.08	15.20	<0.05	0.2	0.013	0.89	10.1	5.0	0.73	370	5.25	3.30	7.7	18.4	680
M677670		1.34	15.75	0.05	0.1	<0.005	0.62	11.2	4.5	0.48	147	5.17	3.72	6.9	11.3	680
M677671		1.60	15.40	0.06	0.1	0.010	0.75	11.1	4.5	0.55	193	9.03	3.56	7.5	12.0	680
M677672		0.45	0.22	<0.05	<0.1	<0.005	0.02	0.6	0.7	12.30	200	0.15	0.01	0.3	2.2	150
M677673		2.07	15.15	<0.05	0.1	0.010	0.87	11.6	5.1	0.64	211	5.35	3.38	7.7	12.3	670
M677674		1.95	15.50	0.08	0.1	0.014	0.88	11.4	5.2	0.64	232	3.43	3.41	7.7	11.0	670
M677675		2.28	15.30	0.08	0.1	0.016	1.22	12.1	5.6	0.66	231	5.65	3.16	7.9	10.8	680
M677676		2.52	15.60	0.07	0.1	0.018	1.28	12.8	5.4	0.74	307	6.18	3.33	7.7	12.5	700
M677677		2.41	14.95	0.08	0.1	0.013	1.22	11.9	5.3	0.70	283	6.08	3.22	7.7	12.2	680
M677678		1.95	14.85	0.08	0.1	0.017	1.06	10.7	4.7	0.53	246	6.14	3.17	7.3	11.5	660
M677679		1.73	15.05	0.08	0.1	0.015	0.82	11.3	4.5	0.48	189	4.93	3.34	7.5	10.2	590
M677680		1.56	15.40	0.10	0.1	0.019	0.66	10.5	4.5	0.55	239	6.77	3.48	7.0	13.8	600
M677681		1.54	15.35	0.09	0.2	0.016	0.66	11.1	4.2	0.50	242	3.03	3.47	7.0	11.4	600
M677682		1.48	15.35	0.08	0.1	0.019	0.44	12.6	4.6	0.58	205	2.51	3.70	7.8	11.4	520
M677683		8.78	15.95	0.36	1.7	1.770	1.74	232	34.5	1.34	2230	15.15	0.76	8.9	33.0	860
M677684		1.32	15.55	0.09	0.1	0.023	0.50	9.2	4.3	0.51	255	3.87	3.73	6.5	9.4	550
M677685		1.73	16.00	0.10	0.1	0.013	0.60	10.9	5.3	0.48	162	12.60	3.61	6.2	12.8	690
M677686		1.78	16.70	0.11	0.1	0.009	0.97	8.5	5.8	0.58	156	8.19	3.64	6.7	9.4	730
M677687		2.35	15.90	0.11	0.1	0.017	1.31	10.9	5.9	0.69	435	6.39	2.77	6.4	13.8	690
M677688		2.21	16.65	0.12	0.1	0.009	1.19	9.3	5.8	0.63	248	7.09	3.24	6.8	10.6	730
M677689		0.46	0.28	0.08	<0.1	0.016	0.03	0.6	2.0	12.80	212	0.21	0.01	0.2	2.2	180
M677690		1.94	14.65	0.09	0.1	0.009	1.10	8.4	5.5	0.60	247	4.45	3.42	6.5	9.1	680
M677691		1.97	15.70	0.11	0.1	0.012	1.23	9.9	7.0	0.67	198	5.81	3.23	6.6	11.1	700
M677692		1.70	16.40	0.11	0.1	0.012	0.85	8.8	5.8	0.53	216	11.75	3.58	5.9	10.4	580
M677693		2.28	17.05	0.12	0.1	0.025	1.18	10.0	6.8	0.67	207	8.93	3.36	6.9	11.1	730



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CERTIFICATE OF ANALYSIS WH12224023

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M677658		6.6	57.6	0.003	3.70	1.79	7.7	2	4.4	223	0.54	1.06	1.9	0.295	0.58
M677659		4.0	15.1	0.002	0.48	0.40	4.9	1	0.7	440	0.28	0.11	1.7	0.152	0.20
M677660		3.9	19.1	0.008	0.37	0.46	4.6	1	0.6	441	0.21	0.07	1.4	0.124	0.22
M677661		5.4	17.3	0.006	0.39	0.59	4.7	1	0.4	447	0.27	0.09	1.9	0.140	0.22
M677662		4.2	16.1	0.007	0.36	0.58	4.7	1	0.5	443	0.28	0.08	1.9	0.142	0.19
M677663		4.5	26.6	0.009	0.83	0.53	5.1	1	0.7	374	0.22	0.15	1.8	0.133	0.30
M677664		5.2	17.1	0.005	0.28	0.85	6.6	1	0.7	478	0.43	0.17	1.9	0.222	0.15
M677665		3.6	20.2	0.007	0.76	0.49	7.2	1	0.8	502	0.52	0.14	1.9	0.251	0.17
M677666		3.6	24.9	0.006	0.36	0.49	4.4	1	0.7	451	0.58	0.09	2.6	0.209	0.19
M677667		32.6	123.5	0.003	1.25	30.7	6.8	6	98.5	237	0.62	0.88	9.1	0.223	1.20
M677668		4.7	37.2	0.033	0.42	0.57	3.9	1	1.2	360	0.56	0.06	2.7	0.196	0.30
M677669		23.2	24.9	0.011	0.32	0.98	5.8	1	0.8	514	0.58	0.09	2.2	0.247	0.21
M677670		4.4	17.4	0.011	0.18	0.93	4.7	1	0.7	515	0.55	<0.05	2.6	0.207	0.16
M677671		39.0	21.3	0.021	0.42	1.05	4.8	1	0.9	501	0.58	0.07	2.5	0.235	0.20
M677672		1.2	1.0	<0.002	<0.01	<0.05	0.3	1	<0.2	46.2	<0.05	<0.05	<0.2	<0.005	<0.02
M677673		27.3	21.7	0.008	0.26	0.86	4.5	1	0.7	512	0.60	0.05	2.6	0.225	0.17
M677674		15.7	21.2	0.005	0.13	0.96	4.6	1	0.7	532	0.62	<0.05	2.5	0.226	0.17
M677675		7.3	28.9	0.006	0.11	0.76	4.6	1	0.6	536	0.61	<0.05	2.4	0.228	0.18
M677676		8.5	27.6	0.007	0.32	0.84	4.8	1	0.7	558	0.61	0.08	2.6	0.237	0.20
M677677		8.1	25.3	0.005	0.28	0.78	4.6	1	0.7	541	0.57	0.07	2.4	0.221	0.19
M677678		10.4	25.2	0.008	0.42	1.24	4.4	1	0.8	490	0.57	0.11	2.5	0.215	0.23
M677679		11.1	19.9	0.006	0.22	1.86	4.2	1	0.8	505	0.62	<0.05	2.5	0.226	0.20
M677680		34.1	18.8	0.012	0.31	2.91	4.2	1	0.8	484	0.57	0.07	2.5	0.207	0.21
M677681		14.2	20.0	0.004	0.60	1.91	4.6	1	0.9	483	0.56	0.13	2.8	0.215	0.23
M677682		5.1	10.4	0.004	0.16	1.33	5.1	1	0.9	551	0.62	0.05	2.6	0.226	0.15
M677683		33.1	121.5	0.003	1.21	29.0	6.6	6	96.4	233	0.60	0.98	9.1	0.218	1.17
M677684		5.3	9.1	0.007	0.16	1.67	5.0	1	0.7	560	0.49	<0.05	2.0	0.231	0.16
M677685		4.2	11.1	0.035	0.29	3.15	4.6	1	0.7	560	0.49	<0.05	2.6	0.222	0.16
M677686		4.3	15.6	0.013	0.06	1.10	4.9	1	0.6	565	0.53	<0.05	2.6	0.232	0.19
M677687		368	29.0	0.017	0.77	1.67	4.7	1	1.0	426	0.49	0.14	2.4	0.216	0.40
M677688		15.2	20.9	0.026	0.21	0.81	4.8	1	0.8	530	0.52	<0.05	2.7	0.227	0.20
M677689		1.8	1.2	0.002	<0.01	0.11	0.2	<1	<0.2	47.6	<0.05	<0.05	<0.2	<0.005	0.02
M677690		7.4	19.0	0.017	0.10	0.53	4.2	1	0.7	529	0.52	<0.05	2.2	0.232	0.18
M677691		32.6	25.2	0.020	0.10	0.41	4.8	<1	0.8	527	0.51	<0.05	2.7	0.231	0.18
M677692		7.0	15.6	0.054	0.08	0.58	4.7	<1	0.8	530	0.47	<0.05	2.2	0.225	0.21
M677693		8.5	23.4	0.023	0.19	0.39	5.0	1	0.9	546	0.52	<0.05	2.6	0.230	0.23



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Project: Mint

CERTIFICATE OF ANALYSIS WH12224023

Sample Description	Method Analyte Units LOR	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
M677658		78	1.5	8.4	26	18.3
M677659		41	0.8	5.4	31	5.3
M677660		33	0.7	5.2	18	8.0
M677661		43	0.4	5.4	22	3.2
M677662		43	0.4	5.2	18	3.0
M677663		41	0.7	5.4	20	2.4
M677664		53	0.4	7.2	20	4.6
M677665		61	0.4	8.6	21	3.7
M677666		41	0.4	7.5	17	2.6
M677667		51	35.7	28.2	155	60.2
M677668		35	0.8	7.1	17	2.6
M677669		52	0.4	8.3	64	3.2
M677670		41	0.8	8.1	16	3.0
M677671		44	0.5	8.1	28	3.0
M677672		2	0.1	0.8	14	<0.5
M677673		42	0.4	8.5	35	2.6
M677674		41	0.3	8.8	25	2.6
M677675		44	0.3	8.2	21	2.4
M677676		46	0.4	9.3	31	2.2
M677677		43	0.3	8.8	29	2.2
M677678		40	0.4	7.2	30	2.2
M677679		40	0.5	7.2	20	2.4
M677680		43	0.5	8.0	24	2.4
M677681		39	0.6	8.7	29	3.5
M677682		38	0.5	8.6	24	3.8
M677683		51	31.2	27.2	151	59.5
M677684		41	0.5	8.1	23	2.8
M677685		42	0.5	6.7	24	2.1
M677686		47	0.3	6.4	22	1.6
M677687		46	0.4	8.1	412	1.6
M677688		48	0.3	7.3	31	1.5
M677689		3	0.1	0.8	16	<0.5
M677690		45	0.3	6.5	27	1.6
M677691		47	0.3	6.6	29	1.8
M677692		50	0.5	7.2	36	2.1
M677693		48	0.3	7.2	40	1.5



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CERTIFICATE OF ANALYSIS WH12224023

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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CERTIFICATE WH12225403

Project: Mint

P.O. No.: Batch 21

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 23- SEP- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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 WH12225403

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677694		6.56	0.076	0.42	7.38	10.5	800	1.22	0.14	2.49	2.07	20.4	6.7	12	1.16	152.5
M677695		9.00	0.056	0.25	7.35	10.7	720	1.23	0.07	2.57	0.08	21.0	6.5	14	0.93	224
M677696		6.52	0.084	0.42	7.27	29.0	730	1.14	0.17	2.37	0.23	20.9	6.9	11	1.59	177.5
M677697		5.20	0.071	0.15	6.74	3.0	830	1.20	0.04	2.27	0.10	20.5	6.3	20	0.78	241
M677698		1.88	0.087	0.14	7.38	3.0	870	1.13	0.04	2.35	0.11	23.3	5.7	13	0.76	261
M677699		9.07	0.049	0.17	7.26	6.6	1000	1.22	0.07	2.48	0.09	23.1	7.5	15	0.84	152.5
M677700		8.83	0.040	0.16	7.22	6.3	790	1.11	0.14	2.46	0.11	23.5	5.5	12	0.86	114.5
M677701		6.77	0.091	0.32	7.16	8.7	700	1.16	0.21	2.44	0.09	24.1	7.5	11	1.18	238
M677702		6.21	0.145	1.19	6.78	29.2	850	0.94	0.29	2.38	0.15	19.55	8.2	9	2.54	342
M677703		4.39	0.249	2.73	6.36	26.0	570	0.99	0.51	2.74	0.28	18.50	6.5	9	2.69	218
M677704		4.97	<0.005	0.02	0.09	<5	20	0.08	0.03	20.9	0.07	1.65	1.9	<1	0.32	2.3
M677705		8.84	0.033	0.26	7.28	6.8	610	1.14	0.07	2.42	0.10	21.2	5.5	12	1.42	77.0
M677706		8.33	0.072	0.35	7.38	12.0	680	1.05	0.04	2.55	1.12	24.9	6.5	13	1.77	41.3
M677707		7.77	0.059	0.31	7.02	11.6	720	1.20	0.05	2.49	0.37	25.2	6.7	13	1.52	90.7
M677708		6.53	1.445	0.93	6.49	24.0	840	0.98	0.08	2.35	0.18	21.0	9.2	10	1.81	323
M677709		6.11	0.180	0.60	7.29	14.0	1110	1.04	0.07	2.28	0.25	24.8	8.8	10	1.56	434
M677710		0.10	0.820	8.04	4.74	8100	1180	1.94	195.5	12.55	1.2	490	83.6	45	11.35	3310
M677711		5.77	0.086	0.39	7.38	27.8	1160	0.97	0.26	2.29	0.10	25.1	8.0	11	1.33	184.5
M677712		6.94	0.101	0.69	6.95	4.6	410	0.70	0.26	2.09	0.18	13.60	6.0	19	1.34	333
M677713		7.86	0.083	0.69	7.07	11.9	350	0.86	0.38	1.92	0.16	14.20	4.5	22	1.34	252
M677714		5.20	0.036	0.24	7.08	11.4	440	1.06	0.14	2.18	0.09	19.45	3.7	14	1.21	98.3
M677715		6.10	0.168	3.13	6.83	27.3	1030	0.89	0.45	2.21	13.70	19.05	5.2	11	1.65	155.0
M677716		3.67	<0.005	0.01	0.10	<5	40	0.06	0.05	21.0	0.08	1.78	2.0	<1	0.45	2.4
M677717		4.54	0.491	1.11	6.70	39.8	540	0.75	0.10	3.26	1.10	27.0	10.0	10	2.18	44.5
M677718		8.67	0.120	0.41	6.42	35.3	490	1.01	0.07	2.93	2.61	25.3	9.3	10	2.44	27.5
M677719		8.49	0.099	0.25	7.16	23.7	600	0.97	0.04	3.07	0.33	27.9	8.7	11	2.50	20.8
M677720		8.60	0.249	0.21	7.14	13.7	720	1.01	0.07	3.08	1.69	27.3	8.7	10	2.26	20.0
M677721		<0.02	0.230	0.23	7.24	14.5	730	0.98	0.07	3.10	1.62	29.9	8.9	11	2.30	18.9
M677722		8.69	0.055	0.17	6.90	8.4	560	1.11	0.13	2.81	0.17	24.0	8.4	11	2.44	11.2
M677723		8.73	0.065	0.29	7.03	31.9	1090	1.00	0.11	2.94	0.56	27.2	8.4	11	2.60	14.8
M677724		6.27	0.866	0.40	7.32	13.4	1060	0.97	0.04	3.13	0.60	31.4	8.5	11	2.53	25.7
M677725		8.65	0.198	0.31	7.39	16.2	990	0.94	0.06	3.21	0.76	29.8	9.0	11	2.47	21.0
M677726		0.10	0.848	6.50	4.87	8490	1210	1.44	203	12.70	1.12	418	72.1	50	9.95	3330
M677727		3.30	0.254	0.86	7.35	24.5	250	0.82	0.55	1.75	2.15	18.70	8.3	10	1.84	277
M677728		5.17	0.118	0.94	7.31	20.6	710	0.90	0.36	2.24	0.96	19.65	5.6	11	1.93	303
M677729		6.94	0.040	0.43	7.74	9.6	700	1.07	0.17	2.42	0.48	21.1	5.3	15	1.77	69.2



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CERTIFICATE OF ANALYSIS WH12225403

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M677694		1.99	16.20	0.09	0.1	0.022	1.15	9.8	6.3	0.62	271	9.09	3.35	7.1	11.3	690
M677695		2.18	15.55	0.12	0.1	0.018	0.98	10.1	5.2	0.56	216	6.20	3.34	7.6	9.0	640
M677696		2.08	15.45	0.12	0.1	0.021	1.23	9.8	6.6	0.61	294	7.91	3.16	6.5	8.4	580
M677697		2.16	15.25	0.12	0.1	0.011	1.10	9.8	6.4	0.62	162	6.97	3.30	7.1	10.1	670
M677698		2.18	15.05	0.12	0.1	0.011	1.15	11.5	6.4	0.61	162	7.61	3.45	7.2	9.2	680
M677699		2.49	14.75	0.14	0.1	0.021	1.34	11.1	5.4	0.65	233	6.87	3.23	7.9	8.8	670
M677700		2.30	15.20	0.14	0.1	0.022	1.12	11.6	4.8	0.63	186	3.72	3.24	7.6	8.7	680
M677701		1.85	15.30	0.12	0.1	0.039	0.92	11.5	5.7	0.62	259	5.23	3.22	7.7	7.8	660
M677702		2.11	14.90	0.12	0.1	0.046	1.70	9.5	8.6	0.71	798	6.75	2.19	6.8	9.0	630
M677703		2.27	14.90	0.13	0.1	0.072	1.99	8.6	7.5	0.95	1600	3.42	1.55	7.1	9.7	660
M677704		0.47	0.46	0.22	<0.1	<0.005	0.03	0.7	1.1	12.65	207	0.13	0.01	0.5	3.1	180
M677705		2.28	16.10	0.19	0.1	0.015	0.84	10.2	5.7	0.60	250	4.03	3.37	7.8	8.5	690
M677706		2.39	15.75	0.19	0.1	0.009	1.13	12.4	6.4	0.72	350	2.49	3.01	7.8	9.1	670
M677707		2.34	14.95	0.15	0.1	0.012	1.09	12.2	6.3	0.63	284	4.00	2.96	7.7	8.8	640
M677708		2.27	13.65	0.14	0.1	0.018	1.21	10.0	7.9	0.59	389	10.55	2.67	6.3	8.6	600
M677709		3.07	14.75	0.14	0.1	0.026	1.36	12.6	6.3	0.51	253	14.25	2.94	5.9	8.1	590
M677710		8.88	19.65	0.76	1.7	1.785	1.87	260	50.9	1.33	2310	15.55	0.80	10.3	38.3	900
M677711		3.21	14.50	0.11	0.1	0.021	1.42	12.7	5.7	0.46	236	7.65	3.04	6.0	10.1	600
M677712		1.66	15.15	0.08	0.2	0.023	1.07	7.3	6.7	0.57	243	12.70	3.32	3.3	13.5	320
M677713		2.18	16.65	0.11	0.2	0.013	1.09	7.5	6.7	0.50	187	11.65	3.37	3.6	13.6	340
M677714		1.94	15.25	0.12	0.1	0.008	0.76	9.3	6.1	0.42	199	9.49	3.48	5.8	9.6	600
M677715		2.76	14.00	0.14	0.1	0.063	1.42	8.9	10.4	0.73	504	8.53	2.40	6.0	8.7	570
M677716		0.48	0.50	0.20	<0.1	<0.005	0.04	0.8	1.3	12.70	212	0.18	0.01	0.5	3.6	190
M677717		2.48	16.10	0.18	1.5	0.022	2.27	12.4	27.0	1.07	1230	1.52	1.78	8.0	10.0	740
M677718		2.26	15.65	0.17	1.6	0.020	2.38	11.5	20.2	0.95	1250	1.31	1.49	8.0	9.5	690
M677719		2.31	15.50	0.15	1.5	0.026	2.26	13.4	33.8	0.99	1190	0.97	1.69	8.1	10.9	720
M677720		2.30	15.30	0.16	1.5	0.025	2.21	13.3	20.1	1.00	1180	0.93	1.78	7.8	10.1	720
M677721		2.30	15.70	0.16	1.5	0.026	2.24	14.9	20.1	1.01	1180	0.95	1.79	8.0	10.7	700
M677722		2.26	15.40	0.16	1.5	0.027	1.79	11.3	27.9	0.87	841	1.01	2.25	8.0	9.9	720
M677723		2.28	15.10	0.18	1.5	0.025	1.97	13.3	24.5	0.87	1260	1.64	2.11	7.8	9.9	700
M677724		2.42	15.05	0.19	1.6	0.022	2.27	16.6	22.4	1.03	1080	1.46	1.88	7.8	10.2	730
M677725		2.46	15.90	0.18	1.6	0.038	2.26	14.7	34.9	1.07	1180	1.25	2.00	8.2	10.2	780
M677726		8.81	18.75	0.54	1.9	1.815	1.89	243	40.4	1.35	2400	13.80	0.81	10.2	37.8	940
M677727		3.69	14.05	0.14	0.3	0.089	2.21	9.2	15.3	0.65	561	12.75	1.72	4.8	9.5	590
M677728		2.78	14.25	0.15	0.1	0.025	1.34	9.5	10.0	0.69	667	7.99	3.18	5.4	11.3	630
M677729		2.41	15.95	0.15	0.1	0.013	1.11	10.4	8.5	0.56	318	4.84	3.10	6.5	8.9	620



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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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02
M677694		16.5	24.9	0.028	0.30	0.97	5.1	1	1.1	491	0.53	0.12	2.6	0.211	0.28
M677695		6.8	19.2	0.014	0.14	0.58	5.3	1	1.0	538	0.58	0.06	2.7	0.224	0.21
M677696		10.8	30.7	0.014	0.68	0.80	4.7	2	1.7	446	0.48	0.15	2.5	0.192	0.51
M677697		6.3	21.8	0.015	0.08	0.30	5.1	1	0.7	517	0.54	<0.05	2.5	0.216	0.22
M677698		6.2	24.4	0.015	0.06	0.31	5.0	1	0.8	548	0.55	<0.05	2.8	0.217	0.22
M677699		7.5	22.5	0.016	0.17	0.45	4.9	1	0.8	548	0.60	0.05	2.8	0.226	0.19
M677700		6.8	20.0	0.006	0.13	0.47	4.7	1	0.8	522	0.59	0.06	2.9	0.225	0.20
M677701		7.3	22.1	0.009	0.71	0.61	4.7	1	1.2	503	0.58	0.20	2.7	0.219	0.23
M677702		18.5	45.1	0.015	1.10	1.44	4.5	2	2.6	325	0.52	0.53	2.5	0.200	0.54
M677703		20.4	56.2	0.009	1.26	2.60	4.6	2	3.2	241	0.54	1.32	2.4	0.202	0.64
M677704		1.6	1.7	<0.002	<0.01	0.12	0.5	1	<0.2	42.8	<0.05	<0.05	0.2	<0.005	<0.02
M677705		11.0	19.5	0.010	0.24	0.70	4.7	1	0.8	522	0.61	0.06	2.6	0.226	0.23
M677706		92.6	28.9	0.003	0.41	0.82	5.1	1	0.8	462	0.60	0.07	2.9	0.224	0.28
M677707		65.3	24.1	0.006	0.31	0.64	4.8	1	0.7	478	0.60	0.05	2.6	0.215	0.25
M677708		16.7	29.5	0.018	0.61	0.99	4.1	1	0.7	396	0.47	0.09	2.4	0.185	0.38
M677709		9.1	28.7	0.030	0.33	0.64	4.4	1	0.9	486	0.45	0.06	2.8	0.187	0.28
M677710		35.4	113.5	0.003	1.24	32.7	9.0	8	102.5	243	0.63	1.22	11.1	0.228	1.29
M677711		10.5	27.8	0.015	0.70	0.58	4.6	1	1.1	507	0.46	0.20	2.7	0.185	0.37
M677712		18.0	33.7	0.020	0.90	0.55	4.5	1	1.2	357	0.27	0.18	1.5	0.131	0.37
M677713		30.8	35.6	0.021	1.20	0.52	4.7	1	1.0	370	0.28	0.28	1.4	0.135	0.37
M677714		8.0	21.8	0.017	0.46	0.52	4.5	1	0.8	474	0.44	0.12	2.3	0.174	0.35
M677715		253	36.8	0.019	1.86	4.00	4.1	2	1.9	356	0.42	0.34	2.5	0.173	0.45
M677716		3.0	2.4	<0.002	0.01	0.15	0.5	1	<0.2	45.8	<0.05	<0.05	<0.2	<0.005	0.02
M677717		105.0	62.0	<0.002	0.95	6.32	7.0	1	0.7	249	0.58	0.05	2.6	0.285	0.91
M677718		109.0	62.2	<0.002	0.89	3.60	6.6	1	0.6	246	0.64	0.05	2.8	0.260	0.92
M677719		46.3	72.2	<0.002	0.53	1.65	6.3	1	0.6	298	0.64	<0.05	2.9	0.259	0.91
M677720		122.5	70.8	<0.002	0.63	1.62	6.1	1	0.6	288	0.63	0.05	3.0	0.252	0.94
M677721		124.5	76.9	<0.002	0.64	1.61	6.5	1	0.6	291	0.65	0.05	3.2	0.250	0.90
M677722		23.3	49.9	<0.002	0.48	1.15	5.6	1	0.6	436	0.64	<0.05	2.7	0.257	0.70
M677723		79.4	60.9	<0.002	0.51	1.53	6.2	1	0.6	390	0.63	<0.05	3.1	0.252	0.80
M677724		81.6	82.1	<0.002	0.53	1.53	6.7	1	0.6	299	0.65	0.06	3.6	0.255	0.91
M677725		349	70.6	<0.002	0.43	2.37	7.0	1	0.6	284	0.66	<0.05	3.0	0.286	0.88
M677726		34.4	124.5	0.004	1.31	30.9	8.1	7	97.9	243	0.67	0.92	10.8	0.233	1.39
M677727		54.4	66.3	0.040	3.07	2.00	4.9	2	3.0	254	0.38	0.22	2.6	0.155	0.59
M677728		98.8	45.1	0.029	1.84	3.80	4.1	1	1.2	363	0.42	0.30	2.6	0.158	0.48
M677729		32.9	31.9	0.011	0.95	0.79	4.6	1	0.9	494	0.50	0.24	2.7	0.185	0.33



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Sample Description	Method Analyte Units LOR	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
M677694		44	0.6	7.1	231	1.5
M677695		43	0.3	8.2	25	1.9
M677696		41	0.8	7.6	39	1.7
M677697		46	0.3	6.3	23	1.5
M677698		44	0.3	6.7	25	1.4
M677699		42	0.3	7.9	26	1.8
M677700		44	0.3	7.4	25	1.8
M677701		41	0.8	7.0	24	1.9
M677702		41	1.9	6.2	35	1.8
M677703		41	2.8	8.1	47	1.5
M677704		2	0.1	0.8	15	<0.5
M677705		43	0.5	7.4	29	1.6
M677706		43	0.5	8.2	144	1.9
M677707		41	0.6	7.6	58	1.9
M677708		36	0.8	6.3	35	1.3
M677709		39	0.6	6.8	48	1.1
M677710		53	38.5	27.7	159	64.9
M677711		41	0.7	7.2	26	1.0
M677712		37	0.6	4.4	31	7.0
M677713		36	0.5	4.8	26	6.5
M677714		37	0.8	6.9	24	2.9
M677715		37	1.7	6.6	1700	1.5
M677716		2	0.1	0.9	17	<0.5
M677717		68	0.9	8.6	201	55.4
M677718		62	0.7	7.9	318	59.1
M677719		64	0.6	9.0	119	52.3
M677720		63	0.8	8.8	246	51.7
M677721		63	0.7	9.4	238	51.7
M677722		63	0.8	8.2	80	51.6
M677723		64	0.7	8.8	146	50.9
M677724		64	0.9	9.7	133	54.9
M677725		70	0.8	9.4	149	56.1
M677726		56	34.1	30.8	164	67.4
M677727		50	2.1	6.6	233	10.7
M677728		40	0.9	7.8	124	3.2
M677729		41	1.0	7.3	73	1.4



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Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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P.O. No.: Batch 22

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24- SEP- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%<75 um
LOG- 24	Pulp Login - Rcd w/ o Barcode
LOG- 22d	Sample login - Rcd w/ o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

To: **SILVER RANGE RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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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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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M677730		3.29	0.224	1.34	6.81	35.1	860	0.91	0.25	2.30	6.53	18.05	7.5	10	2.34	284
M677731		6.67	0.060	0.38	7.55	11.0	1110	1.12	0.06	2.63	0.58	21.1	8.8	12	1.44	217
M677732		6.80	0.083	0.56	7.11	13.1	1190	1.07	0.05	2.64	0.98	20.5	7.5	11	1.79	106.5
M677733		4.69	0.059	0.52	7.06	49.9	1450	0.99	0.09	2.70	0.62	21.2	8.2	10	2.12	121.5
M677734		8.21	0.058	0.16	7.36	8.1	960	1.08	0.06	2.50	0.07	21.2	9.5	12	0.82	329
M677735		0.10	0.805	6.46	4.89	8570	1240	1.27	204	12.70	1.10	433	79.8	50	9.55	3560
M677736		8.87	0.041	0.17	7.38	5.8	990	1.07	0.12	2.52	0.08	21.0	7.8	12	0.88	198.5
M677737		9.00	0.080	0.18	7.32	4.3	930	1.13	0.07	2.48	0.09	19.60	8.6	13	0.68	344
M677738		6.92	0.039	0.14	7.60	2.5	1180	1.07	0.07	2.35	0.08	21.0	7.8	12	0.77	220
M677739		5.91	0.034	0.28	7.33	17.4	960	1.11	0.18	2.15	0.12	20.3	9.0	11	1.14	154.0
M677740		3.08	<0.005	0.01	0.06	<5	30	0.06	0.03	21.2	0.07	1.16	1.2	<1	0.17	2.4
M677741		9.00	0.028	0.10	7.43	2.0	950	1.09	0.06	2.38	0.10	23.0	7.3	15	0.84	148.0
M677742		6.47	0.037	0.17	7.44	4.1	850	1.03	0.22	2.32	0.10	19.55	6.4	14	0.82	181.5
M677743		4.78	0.067	0.29	7.44	13.8	840	1.14	0.14	2.53	0.15	22.6	7.2	12	0.98	262
M677744		8.03	0.044	0.15	7.39	3.3	920	1.18	0.06	2.49	0.08	21.5	7.3	12	0.92	211
M677745		8.30	0.055	0.29	7.31	4.9	1020	1.21	0.07	2.57	0.31	21.5	6.9	12	1.00	203
M677746		<0.02	0.060	0.35	7.69	5.1	1050	1.24	0.08	2.60	0.30	24.8	7.2	13	1.05	203
M677747		9.11	0.035	0.28	7.31	9.6	1200	1.25	0.07	2.45	2.12	22.8	7.2	14	1.11	178.0
M677748		7.73	0.019	0.09	7.33	2.0	1130	1.27	0.03	2.52	0.09	20.9	5.8	13	0.89	93.1
M677749		8.76	0.048	0.29	7.29	12.6	1090	1.26	0.08	2.61	0.15	23.1	7.8	12	1.15	243
M677750		8.68	0.016	0.07	7.72	2.0	980	1.29	0.02	2.68	0.13	24.6	7.7	15	1.01	48.4
M650051		8.16	0.066	0.20	7.65	3.6	900	1.20	0.15	2.62	0.13	23.5	7.9	13	1.06	150.5
M650052		0.10	0.795	7.53	4.88	8560	1240	1.34	212	12.50	1.17	454	77.0	50	9.91	3530
M650053		8.24	0.026	0.10	7.32	5.3	840	1.15	0.11	2.65	0.09	22.7	7.1	12	0.80	90.2
M650054		8.37	0.091	0.20	7.39	2.2	650	1.18	0.13	2.22	0.09	21.1	5.7	15	0.81	249
M650055		8.01	0.109	0.14	7.24	8.1	760	1.13	0.05	2.30	0.11	20.7	5.0	17	0.99	209
M650056		3.05	0.064	0.16	7.39	2.9	770	1.16	0.06	2.36	0.11	23.1	5.8	17	0.80	223
M650057		1.46	0.061	0.14	7.31	2.3	680	1.14	0.05	2.30	0.11	21.0	5.8	19	0.75	179.5
M650058		5.31	0.079	0.20	7.35	2.9	760	1.37	0.07	2.46	0.09	24.0	7.1	14	0.88	283
M650059		8.07	0.072	0.36	7.43	6.9	500	1.22	0.09	2.31	0.09	24.2	6.1	16	1.10	376
M650060		7.84	0.105	0.22	7.40	2.3	820	1.41	0.05	2.68	0.19	25.2	8.1	21	0.78	416
M650061		8.77	0.073	0.22	7.15	3.6	820	1.45	0.08	2.60	0.12	25.6	7.0	14	0.89	375
M650062		7.08	0.124	0.20	7.86	2.3	620	1.09	0.14	2.60	0.10	21.3	8.1	26	0.72	373
M650063		3.88	<0.005	<0.01	0.07	<5	20	0.07	0.03	20.2	0.07	1.33	1.3	<1	0.90	2.2
M650064		9.02	0.038	0.17	7.56	1.9	470	0.83	0.06	2.81	0.15	12.25	11.3	58	0.77	227
M650065		5.80	0.050	0.36	7.31	5.9	430	0.88	0.08	2.66	2.24	11.55	12.1	57	1.27	270



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CERTIFICATE OF ANALYSIS WH12225406

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
		Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
		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	10
M677730		2.30	14.70	0.14	0.2	0.020	1.60	8.5	7.6	0.67	810	30.3	2.50	5.4	11.8	540
M677731		2.23	16.55	0.16	0.2	0.009	1.39	10.2	7.9	0.55	334	7.84	3.08	6.6	10.3	650
M677732		2.38	16.00	0.16	0.2	0.012	1.47	9.8	6.2	0.57	546	4.00	2.83	6.7	10.1	620
M677733		2.59	15.70	0.15	0.2	0.007	1.77	9.8	5.8	0.65	734	6.97	2.61	6.3	12.3	610
M677734		2.20	16.45	0.15	0.2	0.015	1.23	10.3	5.7	0.52	160	12.70	3.23	6.2	11.6	640
M677735		8.99	19.65	0.53	1.8	1.735	1.97	245	29.2	1.38	2470	15.65	0.83	9.6	39.3	990
M677736		2.28	16.40	0.14	0.2	0.010	1.27	10.1	5.2	0.54	153	11.30	3.17	6.6	11.7	680
M677737		2.12	17.15	0.14	0.2	0.014	1.20	9.3	6.0	0.63	145	7.92	3.38	6.6	11.5	650
M677738		1.82	16.50	0.15	0.2	0.012	1.48	10.2	7.1	0.69	145	10.60	3.22	6.2	11.7	670
M677739		2.12	16.35	0.18	0.2	0.008	1.40	9.8	6.9	0.66	232	7.69	3.11	5.7	17.9	680
M677740		0.45	0.34	0.30	0.1	<0.005	0.02	0.5	0.9	12.80	206	0.23	0.01	0.3	1.7	180
M677741		2.26	16.45	0.15	0.2	0.010	1.31	11.1	6.5	0.73	151	6.70	3.34	6.4	11.8	670
M677742		1.98	16.75	0.19	0.3	0.012	1.17	9.2	6.4	0.70	143	5.33	3.40	5.6	13.3	590
M677743		2.32	15.85	0.18	0.2	0.013	1.17	11.0	7.3	0.64	169	7.40	3.12	6.1	13.6	640
M677744		1.89	16.55	0.16	0.2	0.008	1.25	10.2	6.8	0.66	144	13.75	3.35	6.5	13.7	680
M677745		2.03	17.15	0.16	0.2	0.008	1.32	10.2	7.3	0.64	213	8.81	3.27	6.7	11.0	660
M677746		2.08	17.80	0.19	0.2	0.010	1.36	12.0	7.7	0.67	213	8.64	3.30	6.8	11.5	660
M677747		2.23	17.90	0.18	0.2	0.009	1.50	10.9	8.1	0.61	221	7.62	3.22	6.6	11.5	650
M677748		1.98	16.95	0.18	0.2	0.005	1.47	9.8	7.9	0.68	154	13.20	3.26	6.8	10.9	640
M677749		1.69	16.35	0.18	0.2	0.017	1.50	10.9	7.4	0.59	223	10.40	2.99	6.2	11.2	640
M677750		2.34	17.35	0.20	0.2	0.007	1.26	11.7	8.4	0.71	223	7.36	3.33	7.0	12.2	680
M650051		2.15	17.35	0.19	0.2	0.011	1.23	11.2	7.6	0.76	200	13.05	3.32	6.7	12.8	680
M650052		8.99	19.35	0.53	1.9	1.805	1.95	250	30.5	1.39	2460	13.85	0.84	9.5	38.2	980
M650053		2.11	16.20	0.15	0.2	0.010	1.22	10.9	6.3	0.68	166	5.55	3.30	6.6	12.0	670
M650054		2.10	17.45	0.17	0.2	0.016	1.01	10.1	7.1	0.68	146	4.70	3.66	5.9	14.9	560
M650055		2.07	16.40	0.16	0.2	0.012	1.07	10.0	5.9	0.52	190	7.97	3.50	5.7	13.6	550
M650056		1.79	16.90	0.18	0.3	0.032	1.18	10.8	5.5	0.58	203	7.14	3.55	6.8	12.3	580
M650057		1.92	17.10	0.17	0.4	0.033	1.05	9.7	5.5	0.60	201	6.49	3.66	5.8	14.1	560
M650058		2.35	16.90	0.18	0.2	0.031	1.26	11.4	6.2	0.70	215	3.77	3.36	7.5	14.0	690
M650059		2.03	17.25	0.20	0.3	0.021	0.92	11.4	7.0	0.70	182	3.61	3.64	6.5	15.6	620
M650060		2.35	17.90	0.19	0.2	0.033	1.27	11.7	5.7	0.71	284	4.71	3.54	8.3	15.0	700
M650061		2.22	16.95	0.19	0.2	0.025	1.25	11.8	5.0	0.60	284	8.74	3.29	7.7	12.0	700
M650062		2.39	17.55	0.16	0.1	0.028	0.99	11.3	5.3	0.80	220	10.10	3.69	7.2	17.9	680
M650063		0.45	0.43	0.17	<0.1	<0.005	0.03	0.7	1.3	12.05	191	0.20	0.01	0.4	0.2	180
M650064		2.49	17.15	0.16	0.1	0.034	0.94	6.0	8.0	1.27	339	7.30	3.56	4.5	44.3	490
M650065		2.32	16.20	0.18	0.1	0.027	1.05	5.4	9.2	1.09	484	12.25	3.12	4.5	42.6	500



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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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.1
M677730		456	50.3	0.097	1.34	4.25	4.6	1	0.8	348	0.41	0.24	2.0	0.174	0.8
M677731		101.5	30.1	0.015	0.48	0.87	5.1	1	0.7	563	0.50	0.05	2.2	0.207	0.6
M677732		128.0	30.9	0.006	0.41	0.66	4.9	1	0.5	593	0.52	0.11	2.2	0.206	0.7
M677733		36.7	43.8	0.010	1.07	3.16	5.0	1	0.9	453	0.49	0.18	2.1	0.197	1.1
M677734		6.3	26.6	0.029	0.50	0.30	5.0	1	0.8	563	0.48	<0.05	2.3	0.206	0.6
M677735		33.9	127.0	0.003	1.29	28.3	8.4	7	92.9	253	0.64	0.79	9.9	0.236	12.7
M677736		6.2	28.3	0.021	0.64	0.33	5.1	2	1.1	550	0.50	0.05	2.4	0.204	0.8
M677737		6.0	24.9	0.017	0.28	0.30	5.1	1	0.9	568	0.49	<0.05	2.3	0.206	0.5
M677738		5.2	31.4	0.028	0.38	0.30	5.2	1	1.1	564	0.46	0.05	2.5	0.198	0.7
M677739		12.8	38.1	0.016	1.18	0.46	5.0	2	1.4	469	0.44	0.17	2.4	0.184	0.9
M677740		1.3	1.2	<0.002	<0.01	<0.05	0.3	1	<0.2	54.9	<0.05	<0.05	<0.2	<0.005	0.5
M677741		6.1	34.3	0.011	0.29	0.20	5.0	1	1.2	556	0.49	<0.05	2.4	0.202	0.6
M677742		6.6	30.2	0.012	0.26	0.29	5.0	1	1.1	532	0.44	<0.05	2.3	0.193	0.7
M677743		12.8	30.7	0.018	1.09	0.38	5.0	2	1.1	536	0.48	0.08	2.4	0.201	0.9
M677744		5.7	29.7	0.039	0.36	0.24	5.0	1	0.9	563	0.50	0.05	2.3	0.207	0.7
M677745		85.3	28.3	0.023	0.41	0.39	5.0	1	1.1	557	0.51	0.08	2.2	0.205	0.8
M677746		94.8	33.2	0.024	0.42	0.41	5.5	1	1.2	560	0.53	0.09	2.6	0.214	0.8
M677747		101.5	35.1	0.024	0.36	0.42	5.3	1	0.8	560	0.52	0.05	2.4	0.207	0.7
M677748		6.3	32.0	0.037	0.07	0.32	5.3	1	0.8	578	0.52	<0.05	2.2	0.212	0.6
M677749		13.4	34.8	0.038	0.48	1.97	5.1	1	1.1	549	0.47	0.09	2.3	0.202	0.8
M677750		8.9	33.4	0.023	0.02	0.25	5.6	1	0.7	608	0.53	<0.05	2.4	0.221	0.7
M650051		6.9	32.0	0.082	0.28	0.32	5.5	1	0.9	562	0.51	0.07	2.4	0.216	0.7
M650052		32.8	127.0	0.004	1.29	30.3	8.1	7	96.3	256	0.65	1.02	9.7	0.232	12.5
M650053		5.8	29.9	0.011	0.20	0.30	5.0	1	0.9	570	0.51	0.05	2.3	0.208	0.7
M650054		5.2	29.2	0.011	0.32	0.34	5.3	1	1.0	506	0.46	0.08	2.3	0.193	0.6
M650055		5.6	26.9	0.022	0.22	0.50	4.9	1	0.9	506	0.45	<0.05	2.1	0.182	0.5
M650056		7.0	26.4	0.018	0.13	0.28	5.3	1	1.6	542	0.53	<0.05	2.4	0.199	0.7
M650057		6.6	24.0	0.017	0.10	0.28	5.5	1	1.6	516	0.45	<0.05	2.3	0.185	0.6
M650058		5.6	32.2	0.009	0.16	0.31	5.6	1	1.5	533	0.60	<0.05	2.7	0.226	0.7
M650059		6.9	30.2	0.007	0.39	0.70	5.7	1	1.4	529	0.50	0.09	2.4	0.204	0.7
M650060		5.6	26.9	0.015	0.20	0.29	5.9	1	1.2	579	0.64	<0.05	2.5	0.238	0.7
M650061		7.7	28.0	0.031	0.37	0.29	5.2	2	1.3	692	0.62	<0.05	2.6	0.210	0.7
M650062		5.6	28.5	0.047	0.64	0.29	5.5	2	1.3	564	0.59	0.10	2.7	0.223	0.9
M650063		1.5	3.5	<0.002	0.01	0.05	0.3	1	<0.2	56.0	<0.05	<0.05	<0.2	<0.005	0.8
M650064		4.8	25.8	0.015	0.21	0.24	7.7	1	1.0	547	0.32	<0.05	1.1	0.236	0.5
M650065		151.0	33.2	0.024	0.63	0.62	7.6	2	1.3	494	0.32	<0.05	1.1	0.222	0.5



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Sample Description	Method Analyte Units LOR	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
M677730		37	0.9	5.6	971	1.4
M677731		41	0.7	6.0	102	1.7
M677732		40	0.8	6.3	152	1.6
M677733		40	1.4	7.1	112	1.6
M677734		43	0.7	6.6	17	1.8
M677735		56	33.1	27.7	176	55.3
M677736		41	2.0	6.9	18	1.8
M677737		41	0.5	6.5	18	1.6
M677738		41	1.0	6.5	19	1.8
M677739		40	1.7	5.9	30	1.2
M677740		<1	0.1	0.7	18	<0.5
M677741		44	1.0	6.5	19	2.0
M677742		41	0.8	6.2	21	4.0
M677743		41	1.3	7.2	24	1.7
M677744		42	0.5	6.8	16	1.8
M677745		42	0.7	6.9	48	1.7
M677746		42	0.7	7.6	49	1.7
M677747		44	0.5	7.1	280	1.9
M677748		43	0.4	6.8	20	1.8
M677749		42	1.0	6.7	27	2.0
M677750		44	0.5	7.7	29	1.7
M650051		44	0.6	7.1	26	1.6
M650052		55	39.6	27.4	175	53.8
M650053		41	0.5	7.1	19	1.8
M650054		42	0.8	6.1	19	3.9
M650055		39	0.6	6.3	23	4.2
M650056		39	0.5	6.9	25	5.4
M650057		40	0.5	6.6	25	7.6
M650058		44	0.5	7.5	26	1.9
M650059		41	0.6	7.2	21	6.3
M650060		46	0.5	8.3	38	2.6
M650061		40	0.9	7.9	32	2.4
M650062		43	0.7	8.7	25	3.5
M650063		3	0.1	0.9	17	<0.5
M650064		53	0.4	6.8	35	2.7
M650065		54	1.4	6.7	292	2.9



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CERTIFICATE OF ANALYSIS WH12225406

Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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CERTIFICATE WH12227173

Project: Mint

P.O. No.: Batch 24

This report is for 35 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27- SEP- 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- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/ o BarCode dup
LOG- 24	Pulp Login - Rcd w/ o Barcode
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	

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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CERTIFICATE OF ANALYSIS WH12227173

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 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	ME- MS61 Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M650102		8.06	0.047	0.19	7.49	22.6	490	0.80	0.11	3.22	0.22	23.6	11.3	95	1.84	163.0
M650103		8.17	0.054	0.22	7.12	1.9	510	0.98	0.05	2.71	0.17	27.3	9.0	35	0.74	365
M650104		8.83	0.093	0.35	7.80	2.9	810	1.02	0.05	3.19	0.17	21.7	14.1	27	0.78	477
M650105		8.96	0.099	0.35	8.36	3.4	1630	1.11	0.09	3.38	0.22	28.0	15.7	26	0.95	511
M650106		9.25	0.083	0.70	7.48	6.0	1070	1.07	0.07	3.60	0.23	26.8	12.5	24	1.30	478
M650107		<0.02	0.100	0.65	7.78	6.2	1090	1.09	0.07	3.54	0.18	26.5	12.3	22	1.23	472
M650108		8.88	0.108	0.28	7.53	1.7	550	1.09	0.07	3.27	0.12	25.0	13.0	36	1.13	511
M650109		8.82	0.096	0.26	7.25	1.3	610	0.82	0.04	3.08	0.10	15.05	8.6	30	0.75	438
M650110		8.32	0.125	0.40	7.17	2.3	600	0.73	0.05	2.81	0.13	17.30	9.3	43	0.71	448
M650111		8.50	0.116	0.35	7.03	5.9	390	0.79	0.05	2.99	0.14	17.40	12.2	52	0.89	482
M650112		9.18	0.087	0.29	7.66	3.3	410	0.94	0.06	3.41	0.13	23.4	15.7	45	1.03	501
M650113		0.10	0.801	7.20	4.77	8410	1140	1.38	201	12.85	0.88	414	72.7	48	10.05	3200
M650114		8.48	0.086	0.38	7.60	8.4	370	0.81	0.28	3.93	0.10	29.5	20.9	30	1.40	407
M650115		4.96	0.131	0.37	7.51	3.7	300	0.79	0.11	2.90	0.09	16.50	20.2	59	1.26	597
M650116		7.73	0.077	0.60	7.30	22.8	440	0.74	0.14	2.66	1.47	14.10	13.7	48	1.18	292
M650117		6.51	0.023	0.19	6.84	4.3	430	0.75	0.16	2.72	0.09	14.50	9.2	44	1.08	142.5
M650118		6.34	0.058	1.27	6.45	41.7	1120	0.70	0.10	2.27	6.95	12.15	6.4	27	2.52	123.0
M650119		2.96	<0.005	0.07	0.05	<5	20	0.05	0.10	20.2	0.07	1.06	1.2	<1	0.13	9.2
M650120		4.86	0.026	0.32	6.99	4.5	540	0.72	0.05	2.65	1.03	12.10	5.2	24	1.30	130.5
M650121		5.49	0.019	0.21	6.97	3.8	580	0.74	0.03	2.70	0.55	12.10	5.0	26	1.22	92.2
M650122		5.16	0.029	0.42	7.45	15.0	1060	0.83	0.04	2.85	0.26	12.40	5.0	19	2.45	264
M650123		6.19	0.044	0.13	6.98	27.3	590	1.09	0.12	3.05	0.21	29.0	6.6	10	3.33	29.6
M650124		2.10	0.045	0.14	7.11	28.2	570	1.14	0.08	3.06	0.21	30.2	6.5	10	3.40	29.7
M650125		6.09	0.103	0.16	6.57	45.4	530	1.14	0.07	2.71	0.85	26.8	6.6	9	2.71	16.6
M650126		6.03	0.198	0.29	6.56	76.2	530	1.08	0.16	2.64	0.29	26.6	7.4	9	2.35	17.2
M650127		8.29	0.253	0.49	6.32	50.2	530	1.09	0.05	2.70	0.93	26.3	6.5	9	2.52	19.2
M650128		5.96	0.452	0.53	6.43	81.2	720	1.14	0.04	2.59	0.46	26.1	6.3	9	2.89	24.8
M650129		0.10	0.767	6.64	4.88	8620	1170	1.49	199.5	13.30	0.92	418	72.8	48	10.10	3410
M650130		4.81	1.235	0.48	6.53	86.2	610	1.17	0.11	2.76	0.37	27.5	7.0	10	3.03	15.7
M650131		5.83	0.043	0.30	7.29	6.6	650	0.94	0.11	3.48	0.17	25.1	11.4	55	1.65	124.0
M650132		9.31	0.037	0.21	6.65	3.8	610	1.03	0.07	3.77	0.26	22.8	13.7	69	1.52	114.0
M650133		7.62	0.017	0.14	7.56	4.1	670	1.01	0.05	4.09	0.11	28.8	16.0	76	1.70	81.9
M650134		3.59	<0.005	0.01	0.06	<5	30	<0.05	0.03	21.1	0.05	1.46	1.3	<1	0.11	1.5
M650135		8.56	0.022	0.14	7.48	3.1	580	1.02	0.07	3.91	0.09	28.2	15.6	77	1.68	130.0
M650136		8.19	0.024	0.14	7.90	2.9	600	1.00	0.07	3.94	0.11	31.9	16.6	82	1.99	153.5



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CERTIFICATE OF ANALYSIS WH12227173

Sample Description	Method Analyte Units LOR	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
		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	10
M650102		4.03	17.55	0.12	0.2	0.029	1.59	10.4	9.7	2.03	570	10.95	3.10	5.9	55.5	970
M650103		2.16	17.35	0.10	0.2	0.021	0.98	12.6	7.8	0.92	271	39.3	3.81	8.4	31.5	840
M650104		2.46	18.85	0.11	0.2	0.029	1.29	10.0	7.9	1.04	356	31.3	3.98	9.0	21.0	910
M650105		2.72	19.00	0.15	0.2	0.028	1.96	12.9	7.2	1.07	313	23.9	3.77	10.2	20.4	1150
M650106		2.76	16.85	0.12	0.2	0.027	1.48	12.4	6.9	1.21	549	17.45	3.41	9.0	16.1	920
M650107		2.76	16.30	0.14	0.2	0.025	1.49	12.5	6.7	1.23	542	16.25	3.46	8.7	16.2	940
M650108		3.17	17.30	0.11	0.2	0.031	1.37	11.3	11.0	1.50	329	12.70	3.30	9.0	24.4	950
M650109		2.08	15.40	0.11	0.1	0.027	1.29	6.8	8.6	1.04	236	10.10	3.45	5.7	19.3	660
M650110		2.28	15.70	0.12	0.2	0.033	1.19	7.5	6.5	1.12	379	8.60	3.85	4.4	28.6	530
M650111		2.60	15.55	0.11	0.2	0.040	0.97	7.8	6.6	1.27	361	14.60	3.75	4.7	40.0	620
M650112		3.14	16.95	0.13	0.2	0.041	1.12	10.8	7.2	1.52	362	7.25	3.82	8.3	35.3	920
M650113		8.54	17.50	0.36	1.8	1.615	1.82	241	38.5	1.36	2350	15.25	0.80	9.0	36.5	920
M650114		4.73	18.00	0.11	0.2	0.040	1.06	14.3	8.6	1.79	533	14.10	3.17	6.4	38.0	1010
M650115		3.13	15.70	0.11	0.2	0.047	1.12	7.9	5.5	1.40	346	5.89	3.84	3.9	45.6	610
M650116		2.46	14.95	0.11	0.2	0.033	1.07	6.4	6.1	1.17	522	6.59	3.86	3.5	35.8	540
M650117		1.88	14.90	0.10	0.2	0.023	0.95	6.7	5.5	0.96	395	3.84	3.30	4.6	33.0	440
M650118		1.55	13.70	0.10	0.2	0.019	1.73	5.5	17.1	0.65	1200	3.90	2.07	3.3	21.7	490
M650119		0.47	0.21	0.07	<0.1	<0.005	0.02	0.5	0.8	12.95	208	0.13	0.01	0.2	3.0	200
M650120		1.49	15.05	0.08	0.2	0.018	1.19	5.7	7.3	0.61	484	1.96	3.21	3.2	16.7	360
M650121		1.50	15.75	0.10	0.2	0.019	1.19	5.6	6.7	0.58	495	2.21	3.22	3.5	16.8	370
M650122		1.38	16.70	0.11	0.3	0.021	2.05	5.1	18.3	0.57	1560	3.52	2.88	3.9	15.4	410
M650123		1.87	15.40	0.13	1.7	0.021	3.12	14.3	16.3	0.73	1620	2.91	1.00	8.4	10.6	670
M650124		1.86	15.00	0.13	1.7	0.019	3.09	15.1	16.7	0.71	1600	2.85	0.95	8.4	10.5	660
M650125		1.94	15.00	0.11	1.6	0.016	2.68	13.0	13.6	0.72	1140	1.99	1.58	8.5	9.4	660
M650126		1.96	14.15	0.11	1.8	0.016	2.36	12.7	13.5	0.72	946	2.64	1.80	8.0	8.9	640
M650127		1.94	14.75	0.11	1.8	0.020	2.44	12.4	10.7	0.72	1160	1.71	1.69	8.4	9.4	640
M650128		1.99	14.45	0.11	2.0	0.019	2.66	12.4	10.8	0.78	1400	2.19	1.47	8.4	8.7	660
M650129		8.71	17.55	0.35	1.9	1.590	1.92	246	39.8	1.41	2460	16.80	0.81	9.1	37.2	960
M650130		2.01	15.55	0.09	1.7	0.019	2.78	13.0	10.2	0.79	1690	2.38	1.23	8.7	11.1	660
M650131		2.71	16.25	0.10	0.3	0.043	0.89	11.5	8.2	1.31	763	5.92	3.34	6.8	40.7	850
M650132		3.20	16.65	0.13	0.3	0.046	1.03	10.5	6.2	1.59	650	4.29	3.27	7.8	52.4	930
M650133		3.49	17.20	0.13	0.3	0.045	1.13	13.3	6.8	1.80	732	8.01	3.34	8.6	60.1	1060
M650134		0.46	0.26	0.08	<0.1	<0.005	0.02	0.7	1.0	13.55	211	0.87	0.01	0.3	2.9	190
M650135		3.39	17.65	0.10	0.3	0.046	1.02	12.7	6.8	1.83	536	4.89	3.29	8.4	58.3	1030
M650136		3.60	17.30	0.11	0.3	0.039	1.25	15.2	6.9	1.95	566	8.58	3.31	8.5	59.5	1060



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CERTIFICATE OF ANALYSIS WH12227173

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
		Pb	Pb	Fe	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.1
M650102		23.9	45.0	0.027	0.63	1.01	13.6	1	1.2	580	0.40	0.08	1.8	0.395	0.6
M650103		11.7	22.1	0.052	0.29	0.22	8.4	1	1.0	661	0.60	<0.05	2.2	0.350	0.8
M650104		8.2	26.1	0.064	0.49	0.27	7.3	1	1.1	733	0.65	<0.05	2.1	0.318	0.8
M650105		8.6	38.5	0.038	0.65	0.29	7.9	1	1.4	702	0.76	<0.05	2.3	0.351	0.9
M650106		135.5	38.1	0.034	0.91	0.59	7.2	1	1.1	695	0.69	0.09	2.3	0.308	1.1
M650107		118.5	38.5	0.033	0.88	0.56	7.2	1	1.1	704	0.69	0.07	2.4	0.308	0.9
M650108		5.7	36.6	0.022	0.60	0.18	9.2	1	1.4	606	0.67	<0.05	2.0	0.361	0.9
M650109		4.9	27.2	0.009	0.48	0.24	6.7	1	0.9	578	0.44	<0.05	1.9	0.250	0.6
M650110		7.3	24.1	0.010	0.48	0.34	6.5	1	0.9	560	0.32	<0.05	1.4	0.203	0.6
M650111		7.9	25.3	0.018	0.41	0.84	7.1	1	1.2	593	0.36	<0.05	1.3	0.247	0.6
M650112		4.9	27.8	0.014	0.60	0.23	7.4	1	1.3	650	0.60	<0.05	1.7	0.285	0.7
M650113		33.3	117.5	0.003	1.23	26.5	8.4	6	84.9	244	0.64	0.95	11.2	0.226	13.5
M650114		6.1	28.5	0.022	0.87	0.50	11.7	1	1.7	635	0.39	0.12	1.3	0.451	0.6
M650115		5.1	32.4	0.013	0.64	0.40	8.6	2	1.2	532	0.26	0.05	0.9	0.244	0.4
M650116		68.8	28.0	0.014	1.08	3.60	7.2	1	1.0	537	0.25	0.10	1.1	0.203	0.5
M650117		11.1	21.9	0.005	0.30	1.00	6.1	1	0.6	556	0.36	0.10	1.3	0.195	0.6
M650118		327	48.7	0.003	1.13	13.50	4.6	1	1.0	307	0.29	0.14	1.2	0.148	1.6
M650119		3.0	1.0	<0.002	0.01	1.54	0.2	1	<0.2	46.7	<0.05	<0.05	<0.2	<0.005	0.6
M650120		120.0	27.1	0.003	0.33	0.99	4.7	1	0.5	462	0.29	0.05	1.4	0.155	0.5
M650121		65.4	25.0	0.003	0.26	0.69	4.7	1	0.4	464	0.32	<0.05	1.4	0.156	0.4
M650122		63.9	52.2	0.005	0.81	2.14	4.7	1	0.8	468	0.34	0.08	1.5	0.169	0.6
M650123		18.2	79.2	<0.002	0.70	3.41	4.3	1	0.6	276	0.70	<0.05	3.1	0.235	1.5
M650124		21.7	81.1	<0.002	0.66	3.53	4.4	1	0.7	259	0.73	<0.05	3.2	0.234	1.5
M650125		56.0	60.4	<0.002	0.57	1.91	4.0	1	0.6	303	0.71	<0.05	2.8	0.232	1.3
M650126		28.5	57.5	<0.002	0.82	1.89	4.1	1	0.6	328	0.70	<0.05	3.0	0.228	1.2
M650127		89.6	55.9	<0.002	0.75	2.28	4.0	1	0.6	310	0.71	0.06	3.0	0.231	1.2
M650128		73.2	56.8	<0.002	1.12	2.95	4.0	1	0.6	300	0.72	0.06	3.2	0.231	1.3
M650129		33.9	119.0	0.004	1.32	28.8	8.4	6	85.2	252	0.65	0.71	11.2	0.237	13.7
M650130		35.1	63.9	<0.002	1.06	3.39	4.4	1	0.6	263	0.72	<0.05	3.0	0.235	1.3
M650131		27.3	17.6	0.011	0.39	0.74	8.1	1	0.9	650	0.51	0.09	2.1	0.315	0.6
M650132		11.9	16.3	0.006	0.25	0.56	8.6	1	1.0	637	0.60	0.05	1.9	0.364	0.7
M650133		9.6	20.4	0.013	0.19	0.53	9.8	1	0.9	707	0.63	<0.05	2.2	0.400	0.7
M650134		1.4	0.9	<0.002	<0.01	<0.05	0.2	1	<0.2	50.8	<0.05	<0.05	<0.2	<0.005	0.6
M650135		7.1	21.2	0.013	0.27	0.47	9.7	1	1.2	711	0.62	<0.05	2.2	0.392	0.8
M650136		6.7	27.7	0.019	0.19	0.32	9.8	1	1.0	686	0.64	<0.05	2.6	0.412	0.9



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CERTIFICATE OF ANALYSIS WH12227173

Sample Description	Method Analyte Units LOR	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
M650102		101	0.9	11.7	67	4.1
M650103		79	1.5	9.1	40	3.8
M650104		72	1.6	8.0	43	4.0
M650105		79	2.1	9.7	43	4.5
M650106		70	1.5	10.4	56	3.7
M650107		71	1.5	10.6	48	3.7
M650108		86	1.3	10.5	43	3.4
M650109		60	1.0	7.1	28	3.0
M650110		49	1.1	7.1	38	3.7
M650111		62	1.1	6.9	41	4.3
M650112		65	0.9	9.4	43	3.9
M650113		53	37.6	30.1	157	61.0
M650114		110	1.2	11.2	48	3.9
M650115		68	1.0	8.0	36	3.9
M650116		56	1.2	6.1	225	4.2
M650117		43	0.7	5.4	41	3.9
M650118		37	1.5	4.7	929	3.4
M650119		2	0.1	0.8	17	<0.5
M650120		39	0.6	4.9	160	3.2
M650121		39	0.6	4.8	91	3.9
M650122		41	0.9	5.5	55	10.8
M650123		43	1.1	7.9	77	59.8
M650124		43	1.1	8.1	80	60.6
M650125		42	0.8	7.1	172	57.6
M650126		41	0.8	7.1	92	60.7
M650127		42	0.7	7.2	198	66.2
M650128		42	0.9	7.1	122	66.1
M650129		55	32.0	30.4	163	61.9
M650130		42	1.2	7.5	103	60.6
M650131		71	1.1	9.6	75	6.5
M650132		88	1.0	9.6	79	6.1
M650133		92	0.9	11.5	69	6.5
M650134		2	0.1	1.0	16	<0.5
M650135		89	0.9	11.4	55	6.3
M650136		92	0.8	12.0	55	6.5



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Method	CERTIFICATE COMMENTS
ME- MS61 ME- MS61	REE's may not be totally soluble in this method. Interference: Samples with Ca> 10%on ICP- MS As. ICP- AES As results reported (5 ppm DL)



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P.O. No.: Batch 6

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 10- OCT- 2012.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS

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

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.

Comments: **RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12193366 **

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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: 2 - A
 Total # Pages: 2 (A)
 Finalized Date: 16- OCT- 2012
 Account: RANSIL

Project: MINT

CERTIFICATE OF ANALYSIS WH12240073

Sample Description	Method Analyte Units LOR	Au- AA24 Au ppm 0.005
M677181		0.036
M677182		0.040
M677183		0.038
M677184		0.051
M677185		0.036
M677186		0.034
M677187		0.043
M677188		0.033
M677189		0.042
M677190		0.033
M677191		0.149
M677192		0.058
M677193		0.809
M677194		0.054
M677195		0.084
M677196		0.176
M677197		<0.005
M677198		0.101
M677199		0.095
M677200		0.102
M677201		0.034
M677202		1.225
M677203		0.034
M677204		0.030
M677205		0.043
M677206		0.035
M677207		0.038
M677208		0.057
M677209		0.077
M677210		0.048
M677211		0.030
M677212		<0.005
M677213		0.034
M677214		0.014
M677215		0.076
M677216		0.061

Comments: **RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12193366 **



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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: 24- OCT- 2012

This copy reported on

25- OCT- 2012

Account: RANSIL

CERTIFICATE WH12245799

Project: Mint

P.O. No.: Batch 23

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17- OCT- 2012.

The following have access to data associated with this certificate:

MATT DUMALA

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS

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

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.

Comments: **RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12219227**

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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: 2 - A
 Total # Pages: 2 (A)
 Finalized Date: 24- OCT- 2012
 Account: RANSIL

Project: Mint

CERTIFICATE OF ANALYSIS WH12245799

Sample Description	Method Analyte Units LOR	Au- AA24 Au ppm 0.005
M650066		0.033
M650067		0.045
M650068		0.050
M650069		0.161
M650070		0.158
M650071		0.070
M650072		0.060
M650073		0.101
M650074		0.073
M650075		0.817
M650076		0.050
M650077		0.065
M650078		0.061
M650079		0.055
M650080		<0.005
M650081		0.042
M650082		0.043
M650083		0.053
M650084		0.063
M650085		0.092
M650086		0.077
M650087		0.056
M650088		0.028
M650089		0.023
M650090		0.033
M650091		0.806
M650092		0.046
M650093		0.051
M650094		0.068
M650095		0.073
M650096		<0.005
M650097		0.046
M650098		0.046
M650099		0.066
M650100		0.038
M650101		0.057

Comments: **RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12219227**