



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
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To: **ROCKHAVEN RESOURCES LTD.**  
**C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
**1016 - 510 W HASTINGS STREET**  
**VANCOUVER BC V6B 1L8**

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

**CERTIFICATE WH12159383**

Project: Klaza - 81

P.O. No.: Batch 2

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11-JUL-2012.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22d	Sample login - Rcd w/o BarCode dup
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
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	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

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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 WH12159383**

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
M899411		2.43	0.019	0.19	7.12	12.0	1940	1.54	0.56	2.32	0.16	45.4	5.2	11	6.64	16.6
M899412		4.10	0.017	0.11	7.08	7.4	2190	1.41	0.72	2.55	0.09	44.5	6.0	11	8.06	26.4
M899413		3.34	0.154	0.22	7.16	9.2	2240	1.44	3.06	2.53	0.09	45.9	7.4	12	5.25	114.5
M899414		5.01	0.045	0.13	7.16	9.9	2270	1.61	1.10	2.43	0.09	43.2	5.2	12	6.66	30.6
M899415		2.11	0.066	0.22	7.42	10.3	2120	1.58	2.37	2.38	0.12	58.8	5.4	12	5.96	54.7
M899416		2.27	0.311	1.12	7.37	28.5	2320	1.70	31.4	2.57	0.13	58.9	14.6	13	8.24	188.5
M899417		2.95	0.307	1.21	7.14	11.9	2050	1.78	1.88	2.28	0.25	51.3	6.4	11	6.74	846
M899418		1.35	0.168	0.58	6.80	9.9	2050	1.47	1.37	2.20	0.16	47.6	5.6	10	6.29	518
M899419		1.63	0.109	0.64	6.62	66.6	1450	1.46	0.98	3.21	1.20	47.5	5.7	10	16.05	28.3
M899420		3.32	0.183	0.55	7.20	51.1	2060	1.69	1.89	2.42	0.19	44.1	6.8	10	12.65	93.9
M899421		4.46	0.122	0.30	7.23	17.3	2610	1.54	2.06	2.55	0.13	40.4	5.2	14	9.15	62.6
M899422		4.04	4.81	2.36	6.95	143.0	1170	1.37	13.20	1.07	0.46	37.1	9.2	11	7.31	24.2
M899423		5.88	<0.005	0.09	0.12	5	20	0.07	0.06	20.0	0.05	1.37	0.8	3	0.50	1.9
M899424		2.55	0.175	0.51	7.30	29.2	580	1.51	1.77	2.28	0.43	47.9	6.1	10	10.50	69.5
M899425		1.68	0.248	0.29	7.01	36.3	830	1.43	1.74	2.03	0.09	47.8	19.7	11	8.45	88.1
M899426		1.54	0.069	0.37	7.22	20.6	1010	1.29	1.74	2.09	0.23	57.2	5.9	11	7.47	75.0
M899427		0.26	0.828	9.76	6.47	1750	1480	1.74	6.90	1.84	43.1	45.7	16.5	20	15.90	107.0
M899428		2.72	0.047	0.38	6.30	28.4	2390	1.32	0.96	1.72	0.29	35.4	2.2	10	8.71	71.9
M899429		1.85	0.125	0.71	7.23	82.4	710	1.43	2.62	1.88	0.41	56.6	13.4	10	8.98	133.0
M899430		2.21	0.440	1.90	6.76	258	930	1.68	7.63	2.71	1.46	63.0	6.2	8	13.00	555
M899431		2.62	0.457	1.23	7.25	114.5	1300	1.74	1.17	2.55	1.11	53.7	8.6	11	15.10	211
M899432		2.00	0.430	1.95	7.38	188.0	1110	1.88	1.92	2.52	1.20	57.9	6.2	11	20.5	129.0
M899433		3.38	<0.005	0.09	0.09	<5	20	0.06	0.05	20.4	0.06	1.31	0.7	3	0.23	3.1
M899434		2.09	0.050	0.54	7.21	54.4	1300	1.47	0.85	3.13	0.15	47.5	7.7	10	16.35	81.7
M899435		3.25	0.155	1.58	6.65	139.0	1020	1.47	1.47	3.12	3.71	52.9	7.9	9	14.45	92.0
M899436		1.95	0.091	0.90	7.37	91.3	1360	1.53	1.74	2.41	0.81	51.4	7.8	10	16.60	178.0
M899437		1.69	0.056	0.47	7.04	61.7	1800	1.44	1.41	2.57	0.43	45.7	7.1	9	14.80	110.5
M899438		<0.02	0.068	0.48	7.33	62.8	1770	1.46	1.44	2.43	0.37	50.4	7.3	10	15.20	102.0
M899439		4.03	0.014	0.36	7.34	14.1	2190	1.51	1.24	2.80	0.13	61.5	10.5	10	12.25	50.3
M899440		0.23	2.28	23.8	5.70	3290	1450	1.24	20.9	2.12	73.5	44.3	9.4	19	12.75	422
M899441		2.67	0.020	0.59	7.33	14.4	2430	1.39	1.01	2.36	0.18	49.8	9.1	10	12.15	45.5
M899442		1.96	0.031	0.39	7.12	23.3	1630	1.35	0.97	1.90	0.16	44.8	8.5	9	19.00	75.5
M899443		4.75	0.873	2.30	5.63	170.5	270	1.21	4.55	2.98	1.01	44.4	62.9	10	19.75	59.6
M899444		2.10	0.408	3.31	5.69	226	1580	1.22	3.84	2.08	6.46	51.6	56.5	7	11.10	82.3
M899445		3.01	0.099	0.63	6.99	17.2	2410	1.46	1.17	2.24	0.32	43.4	6.4	10	10.50	139.0
M899446		3.26	0.032	0.28	7.26	13.7	2290	1.56	0.79	2.19	0.40	51.3	3.7	10	12.85	30.5



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**CERTIFICATE OF ANALYSIS WH12159383**

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
M899411		3.03	15.70	0.11	0.8	0.077	2.54	21.3	13.8	0.75	379	1.27	1.99	8.1	3.1	560
M899412		2.83	15.10	0.11	0.8	0.071	2.52	21.0	17.0	0.72	408	1.38	2.00	7.5	3.0	540
M899413		3.15	15.40	0.08	0.8	0.136	2.54	21.3	13.7	0.81	398	0.91	2.02	7.9	2.9	580
M899414		3.25	15.60	0.09	0.8	0.108	2.65	20.8	14.1	0.82	446	0.79	1.88	7.9	2.9	560
M899415		3.19	15.95	0.10	0.9	0.111	2.56	29.1	12.0	0.84	380	0.98	2.10	8.8	3.3	600
M899416		3.61	16.80	0.13	0.9	0.147	2.66	26.7	15.2	0.85	405	2.20	2.00	9.0	3.9	610
M899417		3.26	15.15	0.10	0.9	0.206	2.54	24.2	12.6	0.80	339	0.86	1.94	8.7	3.1	580
M899418		3.00	15.15	0.11	0.9	0.165	2.51	22.2	11.8	0.76	332	1.02	1.92	8.1	2.8	550
M899419		3.03	14.55	0.12	0.9	0.081	2.51	21.3	18.9	1.00	1020	0.60	1.11	7.9	2.8	560
M899420		3.63	16.60	0.11	1.1	0.140	3.01	19.6	22.3	0.81	746	1.64	1.49	9.8	3.5	720
M899421		3.09	15.85	0.10	0.9	0.105	3.05	18.2	15.8	0.80	578	1.32	1.59	7.8	2.9	600
M899422		8.34	16.10	0.12	0.7	0.158	3.41	16.8	7.4	0.61	560	2.16	0.12	4.6	3.0	550
M899423		0.47	0.28	0.07	<0.1	0.008	0.05	0.6	1.3	12.50	207	0.12	0.01	0.2	2.3	180
M899424		3.03	15.70	0.14	0.8	0.082	3.21	22.7	10.1	0.89	713	1.88	1.11	5.6	2.5	600
M899425		2.68	14.65	0.13	0.8	0.097	3.16	22.8	7.3	0.74	224	1.39	1.87	6.6	3.4	550
M899426		3.16	15.80	0.13	0.8	0.115	3.64	28.4	15.3	0.83	388	4.02	1.55	7.5	3.4	610
M899427		5.21	14.85	0.11	1.1	0.946	2.73	21.9	25.5	0.69	1900	12.00	0.26	7.8	15.7	470
M899428		2.31	14.20	0.11	0.6	0.091	3.54	18.1	17.5	0.75	282	5.95	0.55	5.5	2.3	470
M899429		3.58	17.25	0.10	0.8	0.116	3.72	26.2	16.7	0.75	276	4.47	0.59	7.2	5.6	660
M899430		4.40	16.05	0.12	0.7	0.317	2.72	32.3	33.1	1.02	564	2.40	0.09	6.4	3.6	570
M899431		2.96	16.45	0.11	0.7	0.137	3.31	26.6	12.6	0.92	1360	3.34	0.42	7.1	3.0	580
M899432		3.70	16.85	0.13	0.6	0.167	2.99	29.9	14.5	0.92	1780	1.96	0.04	7.5	3.2	550
M899433		0.46	0.20	0.07	<0.1	0.009	0.04	0.6	1.1	12.70	215	0.17	<0.01	0.1	1.7	150
M899434		3.03	15.10	0.12	0.7	0.139	2.95	22.3	25.7	1.08	788	1.51	0.06	7.2	2.7	610
M899435		3.94	14.40	0.13	0.7	0.222	2.75	27.6	27.1	1.18	2220	1.87	0.04	6.6	3.0	520
M899436		4.34	15.15	0.10	0.7	0.225	3.23	27.9	32.2	1.03	1210	1.63	0.06	6.6	2.6	570
M899437		3.72	15.45	0.11	0.8	0.175	3.32	21.0	28.5	0.85	970	1.23	0.17	7.6	2.8	580
M899438		3.87	15.15	0.12	0.7	0.177	3.18	25.1	27.1	0.90	977	1.15	0.15	7.1	2.7	560
M899439		3.29	16.30	0.13	0.8	0.109	2.61	29.5	18.6	0.88	452	1.00	1.53	8.9	3.1	620
M899440		6.49	12.50	0.13	0.8	1.560	2.46	21.9	22.2	0.88	1770	11.65	0.04	5.7	14.1	420
M899441		2.93	14.70	0.11	0.7	0.109	2.85	24.1	25.1	0.73	379	1.28	1.63	8.0	2.7	600
M899442		3.02	15.35	0.11	0.9	0.114	2.81	20.7	44.7	0.72	453	0.72	0.28	8.7	2.9	610
M899443		8.27	12.55	0.12	0.8	0.146	2.31	21.3	22.0	0.76	1080	7.16	0.05	6.4	4.6	500
M899444		8.49	13.25	0.13	0.7	0.241	2.58	27.7	8.3	0.91	2130	5.95	0.04	5.7	3.6	440
M899445		2.89	15.10	0.12	0.7	0.162	3.02	20.5	16.7	0.74	593	1.67	1.63	7.8	2.5	560
M899446		2.99	16.30	0.12	0.8	0.138	2.89	24.9	25.1	0.66	536	1.54	1.28	8.3	2.6	580



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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	Rb	Re	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
M899411		18.5	100.5	0.002	0.15	1.85	10.0	1	2.0	348	0.59	0.06	10.7	0.245	2.9
M899412		17.4	95.3	<0.002	0.09	2.06	9.6	<1	1.7	363	0.58	0.13	10.7	0.236	3.3
M899413		16.1	94.9	0.002	0.40	1.21	10.5	<1	2.0	365	0.62	1.23	11.7	0.251	3.4
M899414		15.2	110.0	<0.002	0.59	1.71	10.2	1	2.3	345	0.59	0.25	11.1	0.240	3.0
M899415		17.9	104.5	<0.002	0.17	1.64	11.2	1	2.1	369	0.63	0.23	13.8	0.260	3.6
M899416		19.2	112.0	<0.002	0.93	2.24	11.4	1	2.2	366	0.64	17.65	13.2	0.258	4.1
M899417		16.0	109.0	0.002	0.62	2.27	10.8	1	2.1	337	0.68	0.60	12.5	0.251	4.0
M899418		15.5	96.8	<0.002	0.46	1.85	9.8	<1	2.0	338	0.66	0.39	12.2	0.244	4.1
M899419		138.5	95.8	<0.002	0.65	4.54	9.3	1	1.8	258	0.60	0.19	11.5	0.243	3.8
M899420		21.5	122.5	<0.002	0.95	4.41	11.9	1	3.0	283	0.72	0.48	10.6	0.307	4.0
M899421		17.9	118.5	0.002	0.69	2.86	9.8	1	2.4	317	0.62	0.59	10.8	0.246	3.4
M899422		50.3	192.5	<0.002	8.29	2.98	10.3	1	6.8	49.2	0.33	1.72	10.3	0.157	3.7
M899423		1.4	3.1	<0.002	0.02	0.10	0.3	<1	0.2	40.5	<0.05	<0.05	<0.2	<0.005	0.7
M899424		29.9	156.0	<0.002	2.04	5.63	9.7	<1	3.5	232	0.43	0.35	11.0	0.193	3.6
M899425		10.4	137.0	<0.002	1.60	2.22	10.7	<1	3.4	277	0.50	0.25	10.9	0.209	5.5
M899426		16.3	158.0	<0.002	1.53	2.44	11.4	<1	3.3	279	0.57	0.27	13.4	0.241	4.1
M899427		1300	159.5	0.003	3.02	32.6	9.2	1	5.9	151.5	0.56	0.32	11.5	0.204	5.2
M899428		14.1	167.0	<0.002	0.94	8.07	8.9	<1	2.8	180.0	0.40	0.24	9.8	0.185	3.2
M899429		22.6	160.0	0.002	1.84	8.50	12.6	1	3.6	177.0	0.53	0.39	10.7	0.231	2.6
M899430		68.0	157.0	<0.002	3.00	65.0	12.1	1	4.3	134.0	0.46	1.29	11.9	0.208	4.7
M899431		27.5	169.5	<0.002	1.42	26.6	10.5	1	3.1	145.0	0.50	0.20	10.7	0.232	4.2
M899432		66.8	177.5	<0.002	2.03	28.5	11.1	1	3.6	99.1	0.48	0.26	11.6	0.233	3.5
M899433		1.4	1.8	<0.002	0.01	0.19	0.3	<1	0.2	40.1	<0.05	<0.05	<0.2	<0.005	0.5
M899434		19.3	112.0	<0.002	0.73	14.00	9.8	<1	2.9	109.5	0.54	0.17	10.4	0.247	3.3
M899435		104.5	181.0	0.002	1.84	21.5	10.2	1	3.4	107.5	0.50	0.31	11.5	0.212	5.4
M899436		25.5	211	0.002	1.25	14.45	10.7	<1	3.4	98.4	0.52	0.44	13.6	0.215	4.8
M899437		21.2	149.0	<0.002	0.94	10.40	9.9	<1	2.7	130.0	0.62	0.44	10.9	0.242	4.0
M899438		20.8	178.0	<0.002	1.02	9.78	9.9	1	2.7	124.5	0.55	0.40	13.1	0.232	4.3
M899439		16.2	120.5	<0.002	0.47	3.26	11.9	1	2.3	296	0.65	0.32	12.6	0.266	3.7
M899440		2670	152.0	<0.002	4.57	82.5	7.6	1	7.2	86.7	0.43	0.33	10.0	0.173	5.2
M899441		19.2	108.0	<0.002	0.39	5.18	10.2	1	2.1	321	0.61	0.15	11.3	0.262	3.8
M899442		15.6	104.5	<0.002	0.35	12.45	10.1	<1	2.4	118.5	0.70	0.11	12.0	0.278	3.6
M899443		94.2	120.0	<0.002	7.20	16.95	9.3	2	2.9	122.5	0.45	1.83	9.1	0.203	6.9
M899444		196.5	182.5	0.002	6.95	15.00	8.6	3	5.6	69.4	0.45	1.61	10.3	0.171	8.6
M899445		20.0	127.5	<0.002	0.49	5.36	10.1	<1	2.4	298	0.55	0.39	9.7	0.239	4.0
M899446		23.5	119.0	<0.002	0.19	5.91	11.1	1	2.4	269	0.56	0.15	10.6	0.261	4.0



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 LIMITED  
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**CERTIFICATE OF ANALYSIS WH12159383**

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
M899411		67	0.8	13.0	33	22.3
M899412		65	1.2	13.1	31	20.6
M899413		71	0.8	15.1	31	20.1
M899414		69	1.2	14.0	39	20.4
M899415		72	0.6	16.3	36	23.0
M899416		71	0.6	16.4	32	24.7
M899417		70	0.6	15.8	32	22.3
M899418		67	0.6	14.4	31	21.6
M899419		70	2.5	13.0	137	21.3
M899420		92	2.8	15.2	49	31.3
M899421		72	1.5	12.7	45	22.6
M899422		66	7.7	8.2	52	20.8
M899423		3	0.1	0.8	13	0.6
M899424		67	3.6	10.1	55	21.0
M899425		70	1.8	10.0	25	20.5
M899426		71	1.9	12.7	39	21.0
M899427		59	5.1	11.0	2910	35.1
M899428		60	1.8	10.1	52	16.8
M899429		77	3.2	14.3	124	22.3
M899430		73	3.8	14.5	149	20.0
M899431		69	2.2	13.3	128	17.9
M899432		68	2.0	13.9	144	18.5
M899433		3	0.1	0.8	14	<0.5
M899434		74	1.3	11.8	73	17.6
M899435		63	3.4	12.5	347	17.6
M899436		67	2.8	12.7	116	17.9
M899437		71	3.2	11.9	80	19.1
M899438		67	3.3	12.6	80	19.0
M899439		74	1.0	17.0	34	21.0
M899440		56	4.7	8.6	5180	20.6
M899441		72	1.2	13.5	34	18.4
M899442		75	3.5	12.9	44	21.4
M899443		60	2.5	12.7	103	23.5
M899444		52	4.2	11.5	490	17.2
M899445		68	1.3	12.7	46	20.3
M899446		74	1.6	14.8	48	21.4



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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.