

APPENDIX IV
CERTIFICATES OF ANALYSIS



ALS Canada Ltd.

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To: **ROCKHAVEN RESOURCES LTD.**
C/O ARCHER, CATHRO AND ASSOCIATES
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE VA17145098

Project: Klaza

P.O. No.: 17-032

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN 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 VA17145098

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V340725		8.58	0.49	7.53	35.0	210	1.36	1.58	1.88	0.80	46.6	15.4	14	12.20	32.4	5.07
V340726		2.26	0.96	5.58	184.5	350	1.01	0.93	4.76	6.91	47.7	6.1	8	8.04	33.6	5.32
V340727		10.68	0.49	7.24	69.8	940	1.18	0.96	1.32	0.74	44.2	12.0	13	10.15	39.8	5.58
V340728		8.18	0.44	6.81	34.6	240	1.05	1.58	0.31	0.63	52.9	21.0	12	3.72	25.1	7.66
V340729		6.22	0.33	7.01	23.6	530	1.28	1.40	0.84	0.22	58.7	15.2	14	10.45	12.9	6.46
V340730		4.32	1.42	7.71	1945	2160	1.59	2.60	1.03	7.37	54.0	7.7	13	19.30	14.7	3.42
V340731		4.16	3.18	7.48	250	800	1.78	2.99	0.71	51.7	66.3	7.2	14	16.25	78.2	5.99
V340732		6.28	1.82	7.55	115.0	1260	1.57	1.38	1.00	34.0	67.4	7.8	16	11.40	142.0	4.78
V340733		10.32	2.84	7.14	362	1130	1.57	2.77	2.14	23.0	49.9	5.2	14	19.10	54.1	3.98
V340734		0.34	43.1	5.77	2490	530	1.22	40.8	1.70	47.8	37.4	18.0	22	10.60	1170	9.28
V340735		12.50	0.12	7.33	14.3	1910	1.70	0.14	2.88	0.64	44.7	5.6	12	14.55	4.1	2.94
V340736		6.66	0.25	7.42	18.3	2150	1.58	0.24	2.63	0.91	50.2	6.6	13	18.50	25.5	3.15
V340737		2.52	0.25	7.57	14.4	2180	1.77	0.21	2.68	0.54	47.0	6.8	12	19.55	30.6	3.14
V340738		6.94	2.31	7.47	72.7	2130	1.58	2.59	1.52	26.3	51.7	5.2	13	19.25	106.0	3.80
V340739		8.14	1.22	7.11	187.5	1090	1.80	0.99	2.68	19.60	51.9	11.3	13	21.4	29.7	3.87
V340740		6.12	0.02	0.07	0.7	80	0.09	0.03	21.4	0.13	1.22	0.7	2	0.18	1.6	0.47
V340741		10.62	0.54	7.09	212	1330	1.19	0.12	1.84	12.55	44.2	5.7	11	23.4	9.9	3.03
V340742		4.54	5.62	7.04	606	520	1.10	3.29	0.87	21.7	51.9	5.3	12	14.00	271	4.31
V340743		4.38	1.39	7.60	885	1430	1.18	0.58	1.21	27.4	47.2	6.1	12	13.55	38.0	3.54
V340744		8.18	1.89	7.68	170.5	1630	1.33	0.87	1.31	21.0	52.2	5.6	11	13.95	43.6	3.47
V340745		<0.02	1.93	7.96	174.5	1720	1.45	0.87	1.33	19.55	53.6	5.9	15	14.35	47.1	3.50
V340746		6.08	25.5	5.66	822	720	1.06	30.1	0.27	130.0	40.6	4.4	11	13.80	829	6.63
V340747		5.32	8.28	5.91	513	1130	1.23	4.66	1.04	33.5	34.8	3.7	11	19.70	813	3.75
V340748		11.88	6.31	6.50	516	1010	1.32	5.78	2.13	5.93	36.3	5.0	10	21.1	75.1	3.07
V340749		6.80	0.44	7.02	33.4	860	1.39	0.20	2.17	6.59	37.9	2.4	12	14.70	11.8	1.90
V340750		5.00	1.03	7.26	170.0	910	1.48	0.62	1.69	21.8	49.7	4.7	11	20.4	18.3	3.66
V340751		6.14	20.7	5.93	1115	1040	1.47	6.87	0.33	24.4	40.3	6.3	13	6.98	1230	7.87
V340752		0.36	12.05	6.58	1565	210	1.42	11.35	1.91	32.3	49.1	18.4	19	13.55	290	6.67
V340753		8.34	0.66	7.43	74.8	1420	1.64	0.31	1.85	10.00	50.3	5.4	12	20.0	19.3	3.10
V340754		5.72	0.19	6.39	24.7	1250	1.52	0.14	3.25	0.55	42.2	5.3	11	17.40	6.4	3.52
V340755		7.78	0.43	7.46	12.5	1340	1.54	0.44	3.05	4.84	67.7	6.4	11	12.05	9.1	3.20
V340756		4.68	3.03	7.46	108.5	1470	1.63	1.42	1.50	3.54	62.3	7.6	12	17.90	170.0	4.27
V340757		4.32	0.61	6.90	56.8	340	1.52	0.56	1.87	4.28	46.8	3.6	13	17.00	16.2	2.51
V340758		4.98	0.74	7.89	84.1	470	1.51	1.12	1.30	3.45	54.2	3.3	15	10.05	33.8	3.92
V340759		6.02	0.01	0.07	<0.2	20	<0.05	0.01	20.8	0.06	1.19	1.0	1	0.14	2.5	0.47
V340760		3.78	0.39	7.63	35.9	2350	1.94	0.22	3.69	0.49	48.3	9.5	47	46.0	7.0	4.65



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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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V340725		14.55	0.09	0.9	0.154	3.77	25.5	17.4	0.90	695	4.52	0.06	3.6	2.1	600
V340726		10.10	0.10	0.7	0.147	2.67	27.5	14.8	1.32	2880	5.08	0.05	2.7	1.9	470
V340727		12.85	0.11	0.8	0.181	3.50	25.2	11.8	0.73	778	4.47	0.06	3.1	3.1	530
V340728		12.45	0.12	0.8	0.100	3.31	28.3	10.4	0.46	240	7.29	0.07	2.6	2.9	510
V340729		13.45	0.11	0.9	0.182	3.37	32.9	17.7	0.70	509	2.44	0.06	3.8	2.9	550
V340730		16.20	0.10	1.0	0.134	2.93	30.8	37.3	0.48	797	1.80	1.03	7.7	2.7	580
V340731		17.30	0.13	1.0	0.892	3.49	39.4	12.4	0.65	2630	1.97	0.03	7.3	2.4	560
V340732		16.90	0.11	1.0	0.502	3.18	36.8	37.6	0.73	1860	2.08	0.06	5.8	2.6	660
V340733		15.50	0.09	1.1	0.495	2.92	28.0	31.7	0.65	1400	1.53	0.44	7.2	2.4	560
V340734		13.95	0.10	0.8	1.585	2.67	20.3	16.8	0.70	2280	17.00	0.06	4.9	15.2	460
V340735		16.65	0.10	0.9	0.056	2.36	22.9	13.7	0.79	601	1.31	2.49	8.0	2.7	600
V340736		16.25	0.12	1.0	0.062	2.87	27.3	16.1	0.80	754	1.21	1.90	8.0	2.8	600
V340737		16.25	0.13	1.0	0.058	2.91	26.3	14.8	0.82	743	1.10	2.02	8.0	2.6	610
V340738		16.70	0.12	0.9	0.393	2.94	28.4	47.5	0.68	1600	1.63	0.07	7.8	2.6	600
V340739		15.90	0.11	1.0	0.302	2.40	28.5	59.4	0.84	1410	6.35	0.03	7.4	2.9	590
V340740		0.22	0.08	<0.1	0.006	0.03	0.6	1.0	13.25	206	0.16	0.01	0.1	1.5	190
V340741		15.10	0.12	1.0	0.051	2.90	23.9	25.0	0.67	1730	1.97	0.06	7.7	2.3	580
V340742		15.65	0.09	0.9	0.529	3.26	29.7	7.1	0.48	1430	1.67	0.04	6.9	2.2	540
V340743		16.15	0.09	1.0	0.245	2.88	26.2	26.4	0.56	1470	1.26	0.05	7.7	2.6	590
V340744		16.45	0.10	1.1	0.224	3.34	29.1	32.3	0.58	1580	1.68	0.07	8.1	2.4	590
V340745		17.35	0.12	1.1	0.204	3.49	29.4	34.0	0.58	1500	1.93	0.07	8.3	2.6	600
V340746		14.40	0.08	0.6	2.43	2.57	22.3	16.2	0.27	953	11.65	0.02	5.7	2.5	430
V340747		12.90	0.08	0.8	1.140	2.58	18.1	22.4	0.50	2690	7.95	0.03	5.9	2.0	360
V340748		13.55	0.09	1.0	0.244	2.48	19.1	41.9	0.70	2290	3.07	0.03	6.8	2.1	510
V340749		15.80	0.11	1.1	0.085	2.22	17.0	158.5	0.70	854	1.55	0.04	8.2	1.8	600
V340750		16.00	0.10	1.1	0.231	3.21	26.6	13.8	0.69	1460	3.08	0.03	7.8	2.4	590
V340751		13.75	0.13	0.8	0.856	2.84	18.8	11.7	0.31	1530	3.81	0.03	5.5	2.3	430
V340752		16.15	0.16	1.0	0.775	2.93	23.0	20.4	0.77	1800	9.80	0.13	6.7	12.6	530
V340753		17.35	0.13	1.0	0.155	2.65	22.7	88.6	0.66	1440	2.35	0.05	7.9	2.4	630
V340754		15.75	0.15	1.1	0.080	2.55	18.7	42.0	0.53	1400	1.23	0.24	7.6	2.3	550
V340755		17.90	0.18	1.0	0.215	2.06	33.7	19.1	0.62	1400	0.99	1.81	8.2	3.5	620
V340756		17.85	0.19	1.0	0.307	2.56	29.8	103.5	0.54	1680	1.63	0.22	7.9	3.2	600
V340757		16.30	0.14	0.8	0.426	2.15	18.7	220	0.52	1600	9.35	0.03	7.7	2.4	610
V340758		18.10	0.17	0.9	0.370	2.92	21.0	59.1	0.71	1580	1.42	0.04	7.6	2.6	620
V340759		0.26	0.07	<0.1	0.005	0.02	0.5	1.9	12.85	208	0.40	<0.01	0.1	0.8	170
V340760		17.95	0.14	2.5	0.137	3.23	20.6	144.0	0.81	2240	0.98	0.10	7.7	12.6	1430



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Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V340725		169.0	0.002	4.53	7.11	10.0	2	3.3	73.4	0.30	0.31	11.75	0.141	3.36	3.8	64
V340726		132.5	<0.002	5.10	16.65	7.4	2	6.5	79.3	0.23	0.14	9.11	0.105	2.23	5.3	55
V340727		174.0	0.002	5.02	11.25	9.4	2	9.5	48.5	0.25	0.21	11.80	0.120	2.88	4.5	63
V340728		152.0	<0.002	7.64	4.74	9.3	4	19.6	16.9	0.22	0.32	10.50	0.109	1.88	5.4	70
V340729		162.5	<0.002	4.97	6.17	9.3	3	17.2	40.4	0.33	0.20	11.90	0.144	2.44	4.2	66
V340730		140.0	<0.002	0.68	19.45	10.4	1	2.8	179.0	0.60	0.17	14.15	0.247	1.88	3.5	66
V340731		229	<0.002	2.43	10.10	10.6	1	8.4	18.0	0.58	0.05	14.10	0.226	4.02	4.2	65
V340732		195.0	<0.002	0.69	41.7	11.8	1	5.0	38.6	0.45	0.09	11.35	0.237	3.41	4.5	75
V340733		143.5	<0.002	1.51	10.25	9.6	1	3.1	111.5	0.59	0.11	11.85	0.229	2.79	3.8	66
V340734		157.5	0.002	7.91	105.5	8.3	2	10.9	65.2	0.39	0.80	9.39	0.167	2.53	5.6	56
V340735		96.4	<0.002	0.07	2.18	10.1	1	2.2	369	0.63	<0.05	11.10	0.260	1.47	3.1	71
V340736		124.5	<0.002	0.09	4.88	10.6	1	1.8	319	0.60	<0.05	12.30	0.256	1.61	3.7	69
V340737		125.5	<0.002	0.09	4.49	10.8	1	1.8	331	0.60	<0.05	11.75	0.254	1.65	3.5	72
V340738		138.5	<0.002	0.66	18.40	10.8	1	2.5	86.9	0.59	0.05	12.40	0.250	2.62	3.5	69
V340739		132.0	<0.002	0.77	23.7	10.3	2	2.6	141.5	0.61	0.07	12.85	0.230	2.68	4.4	69
V340740		1.3	<0.002	<0.01	0.14	0.2	<1	<0.2	46.1	<0.05	<0.05	0.11	<0.005	0.02	0.5	1
V340741		126.0	<0.002	0.49	20.3	9.0	1	1.9	87.1	0.61	<0.05	11.80	0.245	2.86	3.4	66
V340742		221	<0.002	3.12	53.4	8.6	1	7.3	29.5	0.57	0.16	12.05	0.219	3.38	3.9	57
V340743		142.5	<0.002	1.19	23.4	9.7	1	4.7	63.1	0.65	<0.05	12.85	0.248	2.44	3.3	66
V340744		169.0	<0.002	1.06	16.65	10.2	1	4.5	83.1	0.68	<0.05	13.25	0.250	2.61	5.0	66
V340745		173.5	<0.002	1.05	17.65	10.7	1	4.6	88.5	0.70	<0.05	14.00	0.254	2.75	5.3	68
V340746		151.5	<0.002	6.80	196.5	8.0	1	13.3	20.1	0.44	0.10	9.13	0.193	2.84	3.0	55
V340747		157.5	<0.002	1.61	316	7.6	1	5.1	34.4	0.49	<0.05	10.60	0.186	3.03	3.6	52
V340748		112.5	<0.002	0.99	42.5	8.6	1	3.5	140.0	0.57	<0.05	9.84	0.223	3.11	4.8	62
V340749		96.3	<0.002	0.14	19.90	10.0	1	2.4	118.5	0.69	<0.05	11.60	0.252	2.62	3.6	67
V340750		185.0	<0.002	1.00	21.7	10.4	1	4.4	57.4	0.64	<0.05	12.50	0.261	3.80	4.6	75
V340751		185.5	<0.002	7.20	473	8.2	1	8.8	21.2	0.42	0.25	8.76	0.178	2.71	3.0	50
V340752		165.5	0.002	4.66	62.9	9.8	2	7.8	97.7	0.53	1.19	11.70	0.210	2.54	5.0	61
V340753		113.0	<0.002	0.42	20.5	10.8	1	2.2	106.5	0.61	<0.05	12.05	0.259	2.35	4.4	72
V340754		87.2	<0.002	0.23	9.43	9.6	1	2.4	105.0	0.60	<0.05	10.35	0.244	1.52	4.5	64
V340755		89.5	<0.002	0.21	7.97	11.7	1	2.2	248	0.62	<0.05	11.85	0.262	1.40	3.9	71
V340756		124.5	<0.002	0.90	65.6	11.3	1	2.6	118.5	0.60	<0.05	12.60	0.248	1.67	6.0	72
V340757		120.5	<0.002	0.71	46.7	11.1	1	3.3	124.0	0.54	0.08	11.80	0.249	2.01	7.7	74
V340758		194.5	<0.002	1.19	19.15	11.3	1	5.1	63.8	0.64	0.13	14.35	0.241	2.62	5.5	56
V340759		1.1	<0.002	<0.01	0.21	0.2	1	<0.2	44.7	<0.05	<0.05	0.10	<0.005	<0.02	0.7	2
V340760		103.5	<0.002	0.17	32.2	19.1	1	2.6	198.5	0.47	<0.05	7.27	0.432	2.16	5.5	163



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Project: Klaza

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145098

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340725		10.2	8.3	107	25.9	0.024
V340726		18.7	9.2	585	17.4	0.350
V340727		19.1	7.8	90	22.7	0.063
V340728		26.2	8.0	60	24.5	0.036
V340729		16.3	8.8	63	26.8	0.018
V340730		2.5	17.3	654	29.2	0.470
V340731		7.5	10.7	3260	29.9	1.065
V340732		4.3	13.7	1960	33.7	0.018
V340733		3.0	13.6	1480	29.1	0.937
V340734		7.7	9.9	3370	25.2	1.785
V340735		1.9	16.4	106	28.2	<0.005
V340736		1.9	17.5	108	29.1	<0.005
V340737		3.6	17.3	85	29.5	0.005
V340738		4.6	15.5	1740	27.9	0.024
V340739		6.3	18.2	1620	29.4	0.095
V340740		0.1	0.8	20	<0.5	<0.005
V340741		4.2	14.9	948	31.2	0.087
V340742		5.0	9.8	1180	26.6	0.466
V340743		4.6	13.5	1680	28.9	2.47
V340744		4.2	14.3	1540	31.2	0.208
V340745		4.4	15.1	1430	33.1	0.334
V340746		5.1	12.4	8360	18.2	2.10
V340747		6.0	8.6	2340	25.8	0.759
V340748		5.2	11.6	472	29.7	0.590
V340749		2.5	14.8	482	32.6	0.023
V340750		5.5	13.3	1260	34.6	0.114
V340751		5.8	9.5	1650	23.1	2.63
V340752		5.3	11.4	2430	31.7	0.935
V340753		2.6	13.2	898	31.6	0.024
V340754		4.7	13.7	135	31.6	0.037
V340755		2.2	15.9	397	30.6	0.006
V340756		3.4	14.9	358	28.8	0.050
V340757		3.8	15.1	420	23.3	0.057
V340758		4.5	12.0	344	25.9	0.347
V340759		0.1	0.8	16	<0.5	<0.005
V340760		5.5	17.7	99	99.7	0.012



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145098

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31	LOG-21
LOG-21d	LOG-23	ME-MS61	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE VA17145099

Project: Klaza

P.O. No.: 17-038

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145099

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V339757		4.66	4.70	7.10	242	550	1.32	3.52	2.65	17.40	54.9	5.2	10	10.45	277	4.24
V339758		9.14	3.14	7.84	245	490	1.60	2.11	1.50	4.02	56.9	6.8	12	12.75	317	5.08
V339759		4.46	28.6	5.64	1005	140	1.15	23.1	2.00	19.25	39.9	9.3	10	9.04	1525	9.69
V339760		3.74	9.34	6.64	406	290	1.78	8.48	2.73	43.0	59.1	7.4	14	19.95	172.5	4.08
V339761		6.24	0.38	7.06	30.7	1470	1.84	0.20	3.27	0.33	60.5	6.6	17	16.85	15.5	2.50
V339762		0.36	8.90	6.61	1800	730	1.55	5.50	1.90	39.9	48.2	17.0	19	15.85	107.0	5.19
V339763		3.80	3.27	7.49	293	1130	2.11	3.61	2.21	3.87	67.2	8.8	16	22.1	49.0	3.54
V339764		2.56	0.32	7.20	37.4	1320	1.79	0.50	2.35	0.30	45.5	8.1	13	16.70	27.4	3.33
V339765		6.98	0.10	7.30	6.0	2370	1.71	0.37	2.82	0.19	42.2	7.5	14	9.79	11.8	3.00
V339766		2.98	0.14	7.45	6.5	2440	1.75	0.37	2.82	0.18	44.2	7.7	13	9.57	14.0	3.03
V339767		3.88	0.23	7.43	10.7	2470	1.85	0.64	2.66	0.31	51.6	9.2	13	12.70	9.5	3.12
V339768		2.96	11.50	7.71	156.0	330	1.64	108.5	1.17	1.41	79.6	20.6	13	12.00	442	6.07
V339769		6.12	0.03	0.06	<0.2	20	0.06	0.14	21.3	0.06	1.29	1.2	1	0.15	3.7	0.48
V339770		5.64	0.23	7.59	16.0	2520	1.55	0.60	2.00	0.36	45.3	7.1	18	25.6	9.4	3.23
V339771		9.24	1.20	7.45	33.5	2170	1.64	1.26	2.26	4.16	59.8	8.3	14	9.85	44.6	3.67
V339772		9.96	3.69	7.19	129.0	1720	1.72	2.56	2.28	25.0	53.2	10.9	18	18.75	69.5	3.66
V339773		6.18	0.28	7.58	16.0	2220	1.74	0.33	2.36	1.38	53.2	6.9	15	14.70	13.6	3.32
V339774		5.32	1.94	7.23	115.5	770	1.53	2.96	2.32	1.66	49.9	7.0	22	17.20	160.5	4.34
V339775		<0.02	2.44	6.97	116.5	470	1.71	3.39	2.40	1.78	48.8	6.9	19	16.90	192.0	4.46
V339776		4.36	0.86	7.03	34.7	2150	1.89	1.87	2.59	1.43	45.6	7.1	14	16.40	52.6	3.44
V339777		6.86	3.45	7.49	76.1	1630	1.75	7.20	1.98	1.64	47.1	6.5	14	18.55	149.5	4.32
V339778		4.96	1.02	7.65	42.9	2180	1.63	1.07	2.39	1.73	51.9	8.3	14	17.80	73.1	3.59
V339779		10.48	0.47	7.62	10.1	2210	1.97	0.83	2.37	0.73	55.7	7.5	14	10.45	28.2	3.21
V339780		6.10	0.52	7.58	10.7	2210	1.83	0.65	2.61	0.91	54.1	8.7	18	9.96	30.2	3.49
V339781		6.86	5.09	7.47	110.0	1000	1.71	3.47	1.74	3.14	74.1	10.9	14	12.60	378	6.02
V339782		6.18	0.02	0.06	<0.2	30	0.08	0.02	21.5	0.07	1.35	1.1	1	0.14	3.5	0.49
V339783		4.70	0.66	7.24	17.2	2360	1.71	1.21	1.75	0.54	44.6	6.4	16	10.25	129.0	3.62
V339784		8.54	0.31	6.93	16.1	2490	1.69	0.73	2.16	0.28	45.0	6.7	13	19.25	117.5	3.26
V339785		6.50	0.17	7.57	8.2	2360	1.75	0.39	2.80	0.20	45.5	7.0	13	11.30	31.4	2.98
V339786		0.36	38.1	5.60	2500	140	1.19	34.4	1.67	46.2	31.6	17.1	22	9.24	1150	9.11
V339787		3.50	4.27	7.37	287	770	1.80	5.24	1.66	13.00	47.1	9.3	17	13.40	87.2	5.26
V339788		9.82	0.36	7.45	14.8	2420	1.83	0.61	2.30	2.00	42.9	10.6	14	17.35	17.0	3.12
V339789		3.04	0.09	7.26	8.0	2400	1.59	0.25	2.72	0.23	45.0	8.3	18	17.65	14.0	3.21
V339790		4.64	0.37	8.05	28.0	2300	1.69	0.67	1.55	0.51	53.2	10.5	16	18.40	56.3	3.53
V339791		3.08	26.6	5.92	334	60	1.44	46.4	2.11	24.1	39.2	15.5	11	11.65	397	10.10
V339792		7.78	0.76	7.33	56.0	710	1.67	1.49	2.18	1.52	42.1	20.8	13	15.00	94.7	4.16



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145099

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
		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
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V339757		16.15	0.15	1.0	0.337	3.33	27.5	11.4	1.12	3100	2.99	0.04	6.3	2.3	510
V339758		18.15	0.16	1.1	0.313	3.56	28.2	9.4	0.75	1260	1.25	0.04	6.9	2.5	580
V339759		15.45	0.18	0.9	1.630	2.63	18.6	11.6	0.82	1860	3.33	0.04	5.6	2.6	520
V339760		17.65	0.15	2.8	0.195	2.81	27.8	25.3	1.00	2910	4.19	0.04	9.2	5.4	900
V339761		18.65	0.18	3.3	0.032	3.33	27.7	24.0	1.00	801	1.89	0.05	10.4	5.6	1040
V339762		15.05	0.13	1.3	0.885	2.84	23.2	26.1	0.70	1940	12.15	0.26	7.4	15.3	490
V339763		19.85	0.20	3.0	0.194	3.35	31.8	16.2	0.77	1670	4.90	0.06	10.1	6.0	980
V339764		16.25	0.17	1.1	0.077	2.44	21.4	104.5	0.62	897	1.22	0.44	7.6	2.6	570
V339765		17.15	0.19	1.0	0.056	2.65	18.9	18.9	0.79	519	1.39	2.20	7.8	2.7	590
V339766		17.40	0.18	1.0	0.052	2.71	19.8	19.3	0.81	516	1.69	2.27	7.9	2.8	600
V339767		18.00	0.17	1.1	0.109	2.82	24.7	16.8	0.71	476	31.2	1.84	8.5	2.8	600
V339768		18.65	0.21	0.8	0.356	3.38	45.0	21.4	0.55	633	17.40	0.08	6.7	3.3	620
V339769		0.24	0.11	<0.1	<0.005	0.03	0.6	1.4	13.15	208	0.13	0.01	0.1	1.0	180
V339770		17.80	0.14	1.0	0.131	2.70	20.2	54.7	0.67	612	22.6	0.17	9.6	3.0	770
V339771		16.95	0.17	1.1	0.119	3.00	28.7	14.2	0.82	629	6.04	1.57	8.0	2.8	590
V339772		17.55	0.16	1.0	0.244	3.19	25.1	16.9	0.82	1060	1.77	0.38	8.4	3.0	620
V339773		16.70	0.14	1.1	0.085	2.82	25.5	16.8	0.88	533	1.24	1.66	8.5	2.9	640
V339774		17.60	0.17	1.1	0.159	3.12	22.9	20.3	0.78	720	1.74	0.44	7.9	2.9	590
V339775		17.70	0.15	1.1	0.170	3.10	22.4	17.6	0.78	763	1.56	0.47	7.7	2.9	570
V339776		17.55	0.18	1.0	0.160	3.06	20.6	16.0	0.63	711	1.10	1.32	8.4	2.6	590
V339777		17.90	0.19	1.0	0.224	3.46	21.6	14.8	0.78	1100	1.66	0.12	8.1	2.9	630
V339778		17.75	0.19	0.9	0.162	3.42	24.3	28.0	0.76	1120	1.96	0.74	7.8	2.6	620
V339779		17.95	0.21	1.3	0.077	2.68	26.3	16.3	0.82	454	5.79	2.13	8.5	2.9	630
V339780		17.75	0.18	1.2	0.118	2.70	25.0	18.0	0.96	633	4.11	1.88	8.9	3.5	640
V339781		18.90	0.21	1.0	0.466	3.13	36.5	51.8	0.98	1060	1.53	0.15	7.9	3.2	610
V339782		0.23	0.09	<0.1	<0.005	0.02	0.6	1.5	13.25	209	0.30	0.01	0.2	0.9	190
V339783		16.40	0.11	1.0	0.181	2.68	23.7	16.3	0.88	358	2.77	1.89	8.0	5.2	610
V339784		15.85	0.12	1.0	0.138	2.84	23.6	19.6	0.81	405	3.11	1.74	8.2	3.0	600
V339785		17.00	0.14	1.2	0.079	2.78	23.0	16.1	0.81	407	3.28	2.30	8.4	2.9	640
V339786		13.65	0.13	0.8	1.465	2.55	16.2	16.5	0.67	2260	16.30	0.06	4.7	15.1	440
V339787		16.80	0.14	1.1	0.528	3.01	24.5	30.9	0.78	697	1.92	0.58	8.3	3.4	620
V339788		17.45	0.14	1.1	0.112	2.96	21.8	25.2	0.77	387	2.01	1.32	8.0	3.2	630
V339789		17.05	0.16	1.1	0.066	2.55	22.7	13.3	0.70	409	3.26	2.09	8.8	3.1	650
V339790		18.40	0.16	0.9	0.091	3.07	28.0	27.7	0.62	613	1.15	0.12	8.6	3.2	690
V339791		16.00	0.17	0.6	0.739	2.91	19.7	8.9	0.92	3380	1.86	0.04	4.2	3.4	500
V339792		17.95	0.13	0.8	0.127	3.41	21.0	18.1	0.72	755	1.32	0.61	6.6	3.3	650



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
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CERTIFICATE OF ANALYSIS VA17145099

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V339757		182.5	<0.002	2.82	23.6	9.8	2	7.0	68.2	0.48	0.12	13.40	0.207	2.68	3.3	60
V339758		187.0	<0.002	3.70	20.2	10.9	1	7.7	63.1	0.53	0.14	14.80	0.220	2.91	4.2	65
V339759		148.5	<0.002	9.70	360	10.1	2	13.7	86.6	0.43	0.51	9.76	0.179	2.23	4.0	64
V339760		167.0	<0.002	3.42	48.6	7.1	1	4.7	341	0.60	0.08	8.59	0.266	2.95	6.6	55
V339761		147.0	<0.002	0.22	8.94	6.8	1	1.9	188.5	0.69	<0.05	8.72	0.293	3.17	4.1	59
V339762		158.0	<0.002	3.07	30.8	8.9	1	5.7	150.5	0.58	0.28	11.35	0.205	2.33	4.6	56
V339763		181.5	<0.002	2.12	19.65	8.8	1	4.4	169.5	0.67	0.10	11.70	0.289	3.13	5.8	64
V339764		106.5	<0.002	0.55	9.59	10.2	1	2.7	163.5	0.58	<0.05	11.70	0.246	1.62	3.2	66
V339765		93.6	<0.002	0.07	1.58	10.8	1	1.6	388	0.55	0.05	9.00	0.256	1.12	3.2	69
V339766		93.2	<0.002	0.07	1.55	11.0	1	1.9	399	0.57	0.05	9.09	0.258	1.11	3.1	69
V339767		104.5	0.002	0.34	1.80	11.6	1	2.3	354	0.65	0.06	12.95	0.263	1.28	5.9	69
V339768		214	0.002	4.44	16.65	12.1	2	12.0	71.8	0.50	0.70	14.20	0.232	2.13	4.8	74
V339769		1.2	<0.002	<0.01	0.16	0.2	1	<0.2	46.5	<0.05	<0.05	0.11	<0.005	<0.02	0.7	2
V339770		96.0	0.002	0.33	11.60	11.9	1	2.8	152.0	0.67	<0.05	11.10	0.296	1.53	5.4	85
V339771		129.5	<0.002	0.94	3.13	11.1	1	4.8	289	0.62	0.15	15.55	0.252	1.52	4.3	68
V339772		157.0	<0.002	1.65	14.00	11.4	1	6.1	159.5	0.63	0.18	13.50	0.253	2.35	4.4	69
V339773		108.5	<0.002	0.13	3.02	11.6	1	2.0	395	0.65	<0.05	14.65	0.271	1.28	3.8	73
V339774		142.5	<0.002	2.46	8.87	11.0	1	6.4	161.5	0.61	0.49	13.25	0.243	2.09	4.4	69
V339775		143.0	<0.002	2.59	9.61	10.9	1	6.8	167.5	0.57	0.62	12.75	0.237	2.11	4.6	68
V339776		116.5	<0.002	0.87	5.98	11.0	1	2.9	278	0.67	0.21	12.55	0.252	1.95	4.2	68
V339777		151.5	<0.002	1.77	6.50	11.3	1	6.1	117.5	0.62	0.56	12.15	0.258	2.54	4.3	71
V339778		144.0	<0.002	0.57	6.72	11.5	1	3.9	211	0.57	0.18	11.45	0.260	2.38	3.9	71
V339779		105.0	<0.002	0.35	2.78	11.6	1	2.8	369	0.70	0.26	15.00	0.257	1.29	4.3	71
V339780		103.5	<0.002	0.34	3.21	12.7	1	2.6	325	0.71	0.13	13.45	0.274	1.27	4.3	78
V339781		198.5	<0.002	2.46	8.04	12.2	1	7.6	89.1	0.60	0.86	14.10	0.244	2.40	5.1	68
V339782		1.2	<0.002	<0.01	0.10	0.2	1	0.2	48.5	<0.05	<0.05	0.12	<0.005	<0.02	0.6	2
V339783		128.5	<0.002	0.75	8.24	10.7	1	5.3	286	0.63	0.39	12.65	0.253	1.59	4.2	74
V339784		132.5	<0.002	0.65	7.41	10.8	1	4.8	242	0.62	0.15	10.65	0.251	1.86	3.7	69
V339785		109.0	<0.002	0.24	1.89	11.2	1	2.7	412	0.69	0.08	12.50	0.266	1.35	4.2	73
V339786		144.5	<0.002	7.80	98.6	8.1	2	10.0	62.3	0.38	0.93	8.13	0.164	2.08	5.0	54
V339787		177.5	<0.002	2.17	5.97	10.8	2	5.5	155.0	0.61	0.20	11.90	0.250	2.08	4.3	69
V339788		140.5	<0.002	0.66	8.59	11.7	1	3.4	281	0.61	0.10	12.95	0.267	2.03	3.7	72
V339789		104.5	<0.002	0.19	1.81	11.8	1	2.4	399	0.83	0.07	11.95	0.269	1.32	4.1	73
V339790		150.5	<0.002	0.82	10.60	12.8	1	4.4	109.0	0.63	0.15	13.60	0.290	2.15	4.8	80
V339791		168.0	<0.002	10.00	49.1	9.1	2	12.1	50.2	0.33	0.92	8.74	0.156	2.49	4.3	60
V339792		159.5	<0.002	2.55	11.70	11.0	1	8.3	170.0	0.50	0.25	9.18	0.239	2.61	3.9	74



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145099

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V339757		12.2	9.0	1450	27.4	0.225
V339758		10.9	10.3	394	29.0	0.145
V339759		10.1	11.1	1500	26.0	1.130
V339760		4.4	12.1	3450	116.0	0.694
V339761		2.4	12.0	84	137.5	0.009
V339762		4.4	10.9	3030	40.4	0.738
V339763		3.6	12.6	337	117.0	0.238
V339764		1.8	14.0	73	32.3	0.036
V339765		1.1	15.7	46	27.9	0.005
V339766		1.1	15.4	48	26.6	0.005
V339767		1.1	16.2	61	30.6	0.007
V339768		4.0	16.1	116	24.6	5.39
V339769		0.1	0.8	16	<0.5	<0.005
V339770		2.9	14.0	73	27.7	0.012
V339771		1.8	16.2	315	30.9	0.053
V339772		3.1	15.5	1660	27.3	0.420
V339773		1.0	15.9	133	29.7	0.024
V339774		3.1	13.9	183	28.3	0.265
V339775		3.3	14.3	191	30.1	0.318
V339776		2.1	14.3	160	28.8	0.078
V339777		3.2	13.5	205	25.5	0.211
V339778		2.7	14.0	204	25.5	0.050
V339779		2.1	16.5	89	35.0	0.031
V339780		1.4	17.9	121	33.9	0.014
V339781		4.0	14.5	353	27.2	0.269
V339782		0.1	0.8	17	<0.5	<0.005
V339783		1.5	12.8	79	25.9	0.102
V339784		1.6	13.7	52	27.0	0.047
V339785		0.9	17.5	42	31.7	0.018
V339786		7.1	8.8	3340	22.8	1.790
V339787		4.8	15.9	1040	27.0	0.085
V339788		1.8	15.3	166	28.4	0.027
V339789		1.0	17.2	49	25.1	0.007
V339790		4.1	16.5	78	23.4	0.126
V339791		6.9	11.4	1990	16.5	2.78
V339792		3.6	13.3	171	21.7	0.319



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145099

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

CERTIFICATE VA17145103

Project: Klaza

P.O. No.: 17-033

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145103

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Ag-OG62 Ag ppm 1	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
V339909		11.26		0.63	7.30	41.1	2390	1.40	0.69	2.45	0.63	47.4	6.8	16	21.5	80.7
V339910		10.98		0.22	7.77	8.5	2860	1.19	0.68	2.49	0.38	47.2	7.8	12	12.50	23.8
V339911		9.56		0.57	6.84	63.1	640	1.36	1.07	2.18	1.11	41.2	7.3	14	20.4	37.6
V339912		9.34		0.60	7.40	36.0	640	1.36	1.34	2.00	0.76	51.9	6.6	12	16.95	59.2
V339913		6.12		0.01	0.08	<0.2	40	<0.05	0.01	21.4	0.06	1.17	0.6	1	0.15	4.4
V339914		10.58		0.40	7.61	17.3	1870	1.33	0.79	2.35	0.89	47.4	8.1	16	18.00	57.4
V339915		6.18		1.34	6.74	113.0	540	1.32	1.52	2.46	6.39	51.4	7.8	11	18.40	91.9
V339916		4.80		0.39	7.21	27.8	730	1.38	0.97	2.02	1.91	38.4	10.8	19	12.40	58.9
V339917		9.60		0.70	7.42	38.5	930	1.45	0.96	2.03	3.50	47.7	8.1	16	17.45	42.8
V339918		<0.02		0.67	7.24	37.9	1140	1.41	0.88	2.06	3.39	42.9	8.3	16	17.25	43.9
V339919		11.84		0.32	6.92	15.5	290	1.21	1.33	2.64	0.40	36.6	8.9	13	12.20	29.9
V339920		13.38		0.51	7.28	38.8	220	1.10	1.21	2.45	0.64	49.4	10.6	11	7.95	99.4
V339921		13.82		0.44	7.04	26.4	380	1.18	1.30	1.44	1.01	26.1	18.2	12	8.76	60.7
V339922		10.58		0.34	7.45	12.5	450	1.64	0.87	2.10	1.06	32.3	8.0	12	17.10	9.8
V339923		0.32		12.30	6.33	1560	170	1.43	11.40	1.81	30.1	42.0	17.1	19	13.60	282
V339924		11.74		0.44	6.92	43.4	660	1.53	0.95	3.32	0.72	51.8	11.4	11	17.50	40.2
V339925		3.16		3.77	3.84	142.5	810	2.15	3.24	0.14	6.64	16.65	1.6	9	20.1	104.5
V339926		1.88	173	>100	4.83	2410	170	0.92	348	0.02	3.80	33.6	6.3	13	6.37	103.5
V339927		5.96		0.20	0.08	1.7	30	0.05	0.45	20.8	0.06	1.11	1.2	1	0.17	3.1
V339928		4.32		0.30	6.89	39.2	1040	1.67	0.38	1.17	6.35	45.4	5.8	12	17.85	30.4
V339929		4.46		1.82	6.21	58.4	1170	1.24	2.32	2.24	21.1	53.2	12.6	13	5.59	26.7
V339930		2.18		10.45	5.67	272	810	1.28	14.55	1.29	132.5	32.1	145.0	9	4.83	137.5
V339931		1.52		11.60	5.74	191.0	230	1.24	20.3	1.17	34.6	38.1	88.9	10	4.53	74.9
V339932		3.14		0.32	6.90	25.2	1710	1.61	0.40	2.89	1.30	39.6	8.6	14	15.40	8.9
V339933		4.66		10.45	7.20	465	480	1.90	14.25	0.92	134.5	194.0	5.3	53	17.30	329
V339934		4.04		0.82	6.89	60.3	900	1.58	0.32	2.52	9.87	41.2	4.8	13	16.35	11.8
V339935		4.42		0.44	7.43	33.2	790	1.83	0.30	5.38	2.08	82.1	17.2	60	17.80	3.1
V339936		2.74		10.35	5.89	595	710	1.22	8.92	1.84	127.5	48.2	7.3	12	7.30	176.0
V339937		0.34		9.49	6.14	1750	240	1.62	6.10	1.78	39.8	39.8	17.1	19	16.70	109.5
V339938		4.40		0.83	5.73	15.7	830	1.10	0.52	2.89	6.96	39.0	8.8	14	6.01	27.1
V339939		6.70		5.11	6.37	747	410	1.75	6.39	1.35	12.65	60.2	5.9	18	18.70	113.5
V339940		11.44		3.30	6.70	103.5	1090	1.50	5.88	1.48	4.65	47.7	17.9	12	14.40	19.7
V339941		5.10		0.90	7.23	29.6	920	1.75	1.22	1.06	5.34	70.9	29.4	11	13.30	12.3
V339942		2.78		5.91	7.14	150.5	120	1.94	1.10	0.69	5.83	43.5	6.6	11	21.6	20.6
V339943		4.76		0.14	7.19	15.1	1850	1.87	0.12	2.22	0.33	40.4	5.0	14	16.40	4.5
V339944		4.70		5.95	5.85	816	240	1.32	7.72	0.64	30.4	81.2	9.3	15	6.28	86.7



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145103

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
V339909		3.46	16.25	0.07	1.0	0.080	2.82	24.4	32.5	0.87	868	2.04	0.14	7.6	4.8	620
V339910		3.41	16.40	0.08	1.0	0.083	3.23	24.3	23.6	0.80	484	4.99	0.14	7.9	2.8	660
V339911		4.10	14.80	0.08	0.9	0.072	2.57	21.1	29.1	0.70	937	2.55	0.06	6.6	2.8	550
V339912		4.39	14.35	0.13	0.8	0.131	3.23	29.0	13.1	0.86	965	2.61	0.05	5.8	2.7	550
V339913		0.47	0.25	0.16	<0.1	0.005	0.03	0.6	0.9	13.25	205	0.19	0.01	0.2	1.1	170
V339914		3.55	17.25	0.18	1.0	0.073	3.39	24.0	22.2	0.86	541	2.66	0.10	8.2	2.9	660
V339915		4.10	14.65	0.12	0.8	0.158	3.11	29.0	14.0	0.85	2780	2.82	0.03	5.4	2.7	510
V339916		4.22	15.50	0.13	0.9	0.141	2.16	19.0	45.7	0.54	1500	2.16	0.04	6.2	3.3	640
V339917		4.13	15.15	0.16	0.9	0.146	3.39	25.3	14.4	0.76	1400	3.60	0.06	6.0	2.9	570
V339918		4.10	15.75	0.15	0.9	0.142	3.43	21.8	14.4	0.75	1410	6.14	0.06	6.0	3.3	580
V339919		4.69	14.15	0.12	0.8	0.162	3.47	17.2	15.9	0.66	703	3.00	0.08	5.7	3.0	520
V339920		3.64	14.35	0.16	0.9	0.114	3.75	26.1	22.2	0.65	360	3.06	0.11	4.2	2.2	560
V339921		4.40	12.85	0.10	0.7	0.125	2.94	13.4	29.0	0.60	419	3.83	0.06	3.2	4.7	540
V339922		2.90	13.85	0.09	0.8	0.110	3.16	16.7	32.3	0.89	583	4.54	0.04	4.5	2.8	540
V339923		6.44	14.15	0.12	1.0	0.768	2.82	21.9	17.4	0.73	1740	8.31	0.12	6.1	12.1	510
V339924		3.57	15.50	0.11	0.7	0.114	2.87	28.7	14.3	1.20	1040	2.10	0.04	5.3	2.9	540
V339925		1.55	9.67	0.06	1.3	0.259	1.49	8.5	55.9	0.11	962	14.05	0.03	8.5	1.4	90
V339926		9.05	10.25	0.12	0.6	1.090	2.35	19.0	14.6	0.16	250	10.15	0.02	4.2	1.9	240
V339927		0.49	0.24	0.05	<0.1	0.006	0.02	0.5	0.9	12.80	211	0.26	0.01	0.1	1.4	170
V339928		3.36	14.55	0.09	0.9	0.086	2.62	24.6	68.5	0.42	1410	5.67	0.04	7.3	2.4	580
V339929		3.62	13.65	0.09	0.8	0.621	2.94	26.0	18.1	0.61	1640	2.54	0.10	5.1	3.6	500
V339930		8.79	12.40	0.12	0.6	3.39	2.39	16.7	27.0	0.68	1740	1.32	0.04	3.6	4.6	420
V339931		6.69	12.40	0.10	0.7	1.175	2.50	20.3	25.3	0.63	1520	1.49	0.04	4.4	4.5	430
V339932		3.05	15.20	0.10	1.0	0.071	2.52	19.5	11.3	0.71	1010	2.54	1.69	7.7	3.7	580
V339933		7.94	20.4	0.20	1.8	4.00	3.04	119.0	53.3	1.06	2390	3.18	0.04	5.8	11.5	1170
V339934		2.58	14.15	0.10	1.0	0.134	2.68	20.5	68.7	0.90	1210	2.76	0.06	7.0	4.2	560
V339935		3.77	16.30	0.11	2.0	0.195	1.20	40.7	33.8	1.73	1560	0.59	1.51	6.4	13.4	1110
V339936		5.27	15.50	0.11	0.8	3.80	2.72	25.7	13.5	0.90	4010	3.35	0.08	5.8	3.7	420
V339937		4.93	14.15	0.11	1.2	0.917	2.76	20.2	24.4	0.64	1870	11.80	0.25	7.4	16.1	480
V339938		1.69	12.70	0.08	0.7	0.268	2.39	17.7	21.9	0.84	1360	2.93	0.10	5.0	4.4	430
V339939		4.35	15.20	0.12	2.2	0.584	2.35	33.0	45.4	0.69	982	1.71	0.04	7.4	5.4	810
V339940		3.64	15.20	0.11	0.9	0.205	2.67	24.2	68.3	0.59	864	1.80	0.10	6.1	5.8	530
V339941		2.95	14.80	0.13	1.1	0.219	2.80	40.1	38.6	0.46	1280	2.05	0.08	6.4	8.3	510
V339942		5.56	15.35	0.13	1.1	0.691	3.01	21.7	12.5	0.31	754	5.10	0.02	7.4	3.6	560
V339943		2.79	16.15	0.09	1.1	0.059	2.94	19.7	27.7	0.63	1140	1.73	0.91	8.2	2.1	570
V339944		5.21	15.25	0.15	0.6	0.697	2.82	45.3	9.7	0.42	948	11.40	0.03	5.6	1.5	270



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145103

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	0.01	0.005	0.1
V339909		31.0	96.9	<0.002	0.71	29.5	9.5	<1	2.5	107.0	0.62	0.09	12.75	0.252	6.1
V339910		27.3	116.5	<0.002	0.76	8.95	10.2	1	2.9	116.0	0.64	0.21	13.00	0.271	4.4
V339911		46.0	96.8	<0.002	2.43	17.80	9.0	1	4.0	81.7	0.54	0.12	11.00	0.227	3.7
V339912		41.5	150.5	<0.002	2.49	9.13	9.0	1	4.9	62.3	0.49	0.30	13.55	0.199	4.7
V339913		1.3	1.2	<0.002	<0.01	0.10	0.2	<1	<0.2	47.4	<0.05	<0.05	0.12	<0.005	0.6
V339914		40.0	116.0	<0.002	1.27	7.13	10.1	1	3.2	100.0	0.70	0.20	12.80	0.263	4.0
V339915		185.0	166.5	<0.002	2.75	25.5	8.3	1	5.3	52.3	0.47	0.17	12.95	0.183	4.8
V339916		26.7	91.4	<0.002	1.67	28.1	9.0	1	4.6	154.5	0.49	0.19	10.40	0.225	5.9
V339917		156.5	150.5	<0.002	1.96	11.05	9.2	2	5.1	66.5	0.49	0.09	11.85	0.214	5.0
V339918		154.0	135.5	<0.002	1.97	11.20	9.0	1	5.1	67.4	0.49	0.11	10.65	0.217	4.6
V339919		19.0	125.5	<0.002	3.20	5.28	8.5	2	5.7	93.8	0.48	0.22	10.05	0.193	4.4
V339920		30.7	137.5	0.002	3.38	7.16	8.3	1	5.2	102.0	0.38	0.19	12.75	0.141	4.0
V339921		34.6	123.5	<0.002	4.07	10.90	9.3	2	4.2	62.3	0.29	0.23	12.55	0.117	2.6
V339922		38.5	138.5	<0.002	2.06	5.31	9.4	1	4.0	74.8	0.38	0.17	13.15	0.150	3.1
V339923		1280	156.5	<0.002	4.42	61.7	9.1	2	7.1	94.7	0.48	1.70	10.85	0.196	4.9
V339924		36.9	128.0	<0.002	1.98	5.84	9.8	1	5.5	107.0	0.41	0.20	12.00	0.184	5.1
V339925		330	107.0	<0.002	0.70	100.5	2.8	1	2.7	44.4	1.05	0.06	11.30	0.048	6.2
V339926		1930	151.0	<0.002	7.15	50.2	5.6	3	3.2	10.4	0.31	13.60	5.33	0.131	1.8
V339927		4.1	1.2	<0.002	<0.01	0.13	0.2	1	<0.2	47.1	<0.05	<0.05	0.13	<0.005	0.7
V339928		46.9	148.5	<0.002	0.17	23.2	9.9	1	1.5	61.1	0.53	<0.05	11.65	0.224	6.4
V339929		441	137.5	0.002	1.11	9.07	8.7	1	3.3	60.6	0.41	0.12	11.00	0.165	4.4
V339930		750	145.0	<0.002	6.42	6.36	7.1	1	6.9	50.0	0.29	1.60	7.73	0.125	3.2
V339931		443	154.5	<0.002	4.43	9.76	7.8	1	6.6	33.3	0.35	0.95	9.74	0.143	3.4
V339932		59.9	99.5	<0.002	0.22	2.90	10.1	1	2.0	295	0.60	<0.05	9.92	0.243	3.8
V339933		729	184.0	<0.002	3.25	67.4	19.5	1	9.2	52.5	0.35	<0.05	6.63	0.322	5.0
V339934		406	130.0	<0.002	0.55	10.80	10.4	1	2.2	88.1	0.54	<0.05	11.80	0.217	4.3
V339935		109.5	64.2	<0.002	0.39	8.01	22.1	1	4.4	324	0.47	0.07	9.32	0.357	6.2
V339936		1550	179.5	<0.002	2.20	16.55	8.8	1	5.3	57.4	0.46	0.07	11.80	0.170	3.2
V339937		1300	145.5	<0.002	2.91	33.7	8.8	1	5.5	146.5	0.57	0.31	10.80	0.193	4.7
V339938		165.5	152.0	<0.002	0.36	9.25	8.3	1	2.0	101.0	0.38	<0.05	12.30	0.157	3.6
V339939		236	133.5	<0.002	2.36	30.0	8.1	1	3.8	237	0.50	0.15	9.80	0.244	4.1
V339940		180.0	147.5	0.002	1.90	8.38	11.6	1	2.7	82.2	0.49	0.28	12.60	0.184	3.2
V339941		161.0	167.0	0.003	1.66	11.30	14.1	1	2.6	73.4	0.54	0.18	15.00	0.202	5.9
V339942		284	160.0	<0.002	5.72	24.7	11.5	1	7.6	29.7	0.60	<0.05	12.20	0.231	5.3
V339943		27.1	115.5	<0.002	0.11	7.85	11.3	1	2.0	218	0.64	<0.05	11.90	0.242	3.5
V339944		302	197.5	0.002	4.34	18.05	7.4	1	7.1	20.2	0.46	0.39	12.60	0.166	3.0



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145103

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	Au-AA24 Au ppm 0.005
V339909		71	4.0	13.2	100	25.4	0.010
V339910		76	3.7	14.2	85	25.2	0.007
V339911		67	8.6	11.5	133	21.4	0.053
V339912		64	11.7	11.8	122	20.1	0.014
V339913		2	0.1	0.7	16	<0.5	<0.005
V339914		75	3.6	13.2	119	24.1	0.010
V339915		59	7.3	12.2	527	20.9	0.140
V339916		69	6.3	13.5	291	23.3	0.017
V339917		65	8.5	12.4	379	20.7	0.190
V339918		66	8.5	11.8	363	21.8	0.135
V339919		62	12.0	10.6	89	20.3	0.013
V339920		61	12.1	10.8	80	23.2	0.056
V339921		62	5.3	10.5	119	18.3	0.150
V339922		60	5.3	12.2	133	20.5	0.011
V339923		61	5.4	11.2	2370	29.6	0.935
V339924		64	3.3	13.9	112	20.6	0.057
V339925		13	1.7	11.8	681	28.9	0.299
V339926		43	3.5	6.5	840	16.5	5.85
V339927		2	0.1	0.8	17	<0.5	0.007
V339928		71	3.1	12.8	530	24.6	0.018
V339929		60	7.4	9.3	1490	25.3	0.042
V339930		63	12.1	7.9	8060	15.9	3.82
V339931		58	14.7	7.7	2310	20.0	4.46
V339932		69	3.6	14.3	149	31.5	0.009
V339933		155	8.8	15.0	8580	70.0	1.085
V339934		70	3.2	12.7	666	28.9	0.034
V339935		169	2.0	22.4	217	80.1	0.011
V339936		58	3.3	7.0	8060	20.4	1.805
V339937		56	4.9	11.2	2930	39.8	0.764
V339938		55	1.2	11.8	530	18.3	0.006
V339939		60	4.6	11.0	950	92.0	0.437
V339940		83	2.5	12.8	355	25.8	0.086
V339941		78	4.1	17.2	424	31.7	0.012
V339942		69	10.7	13.2	599	29.5	0.104
V339943		69	3.1	15.7	55	32.4	<0.005
V339944		42	7.9	8.1	1850	17.5	2.06



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 24-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145103
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CERTIFICATE COMMENTS

Applies to Method:	ANALYTICAL COMMENTS
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Applies to Method:	REE's may not be totally soluble in this method.
	ME-MS61

Applies to Method:	LABORATORY ADDRESSES
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Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
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Applies to Method:	<table><tr><td>Ag-OG62</td><td>Au-AA24</td><td>BAG-06</td><td>CRU-31</td></tr><tr><td>CRU-QC</td><td>LOG-21</td><td>LOG-21d</td><td>LOG-23</td></tr><tr><td>ME-MS61</td><td>ME-OG62</td><td>PUL-31</td><td>PUL-31d</td></tr><tr><td>PUL-QC</td><td>SPL-21</td><td>SPL-21d</td><td>WEI-21</td></tr></table>	Ag-OG62	Au-AA24	BAG-06	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-23	ME-MS61	ME-OG62	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21
	Ag-OG62	Au-AA24	BAG-06	CRU-31													
CRU-QC	LOG-21	LOG-21d	LOG-23														
ME-MS61	ME-OG62	PUL-31	PUL-31d														
PUL-QC	SPL-21	SPL-21d	WEI-21														



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE VA17145105

Project: Klaza

P.O. No.: 17-042

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145105

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V339793		6.48	0.13	7.74	6.4	2390	1.48	0.92	2.90	0.23	45.2	7.8	20	11.35	15.3	3.54
V339794		7.76	0.18	7.86	16.8	2260	1.70	0.82	2.76	0.31	51.3	8.3	32	13.45	17.8	3.56
V339795		8.44	0.98	8.18	62.1	1410	1.74	1.63	1.75	0.98	58.1	9.6	21	21.4	97.8	4.80
V339796		9.70	0.19	7.82	8.6	2340	1.82	0.41	2.85	0.52	48.4	8.3	19	12.60	27.8	3.58
V339797		4.24	0.22	7.95	10.3	2170	1.75	0.48	2.79	0.30	54.3	9.7	21	12.75	34.8	3.64
V339798		11.84	0.16	8.26	20.6	2050	1.35	0.72	1.62	0.67	49.7	10.2	16	26.5	27.1	3.78
V339799		5.36	0.39	8.41	22.7	1050	1.38	1.09	1.31	0.48	58.7	12.7	17	19.70	24.5	3.84
V339800		0.34	7.54	7.08	761	640	1.51	3.25	2.17	11.35	51.6	12.7	26	14.05	325	5.21
V340851		6.02	0.19	7.63	17.6	2270	1.67	0.39	2.40	0.39	42.7	7.4	20	27.2	18.8	3.43
V340852		8.36	0.27	7.66	24.6	2050	1.61	0.27	2.65	1.62	45.7	8.2	18	24.2	20.3	3.39
V340853		4.20	0.39	8.14	16.5	1910	1.38	0.42	1.66	0.39	49.7	7.3	18	24.9	33.7	3.34
V340854		3.16	53.5	6.89	613	580	1.43	3.71	1.45	2.65	50.4	24.9	21	21.0	5960	8.17
V340855		6.06	0.06	0.08	0.3	30	0.06	0.02	21.7	0.07	1.28	0.6	1	0.23	5.7	0.49
V340856		4.74	0.30	8.81	7.5	2370	0.98	0.34	1.25	0.34	44.9	6.2	15	19.50	23.2	2.91
V340857		7.20	0.27	7.65	15.0	1770	1.52	0.26	2.63	0.45	48.1	6.4	16	24.8	21.9	2.93
V340858		<0.02	0.28	7.52	16.8	1730	1.56	0.27	2.72	0.47	46.5	7.2	20	25.1	23.3	2.97
V340859		3.56	6.87	7.23	354	370	1.46	7.25	1.20	3.55	52.2	11.1	17	12.15	668	5.58
V340860		4.82	1.58	7.51	147.0	420	1.73	2.67	1.84	1.22	49.8	8.0	19	16.55	45.5	4.42
V340861		7.08	2.45	7.16	309	400	1.48	4.37	0.87	1.66	50.1	7.2	14	17.70	48.6	6.08
V340862		1.66	11.15	5.31	907	240	1.12	21.7	1.46	68.7	27.0	7.4	9	12.55	193.5	12.55
V340863		6.04	0.03	0.10	1.0	30	0.07	0.04	21.1	0.11	1.59	0.6	1	0.23	2.2	0.51
V340864		4.26	0.90	7.36	139.0	790	1.30	1.65	1.92	0.71	44.7	7.4	18	18.50	44.9	4.53
V340865		4.60	0.36	7.73	35.2	3010	1.22	0.54	2.04	0.44	50.2	7.4	20	14.85	15.4	3.61
V340866		10.80	2.45	9.81	536	1330	2.03	1.61	0.19	36.6	108.5	21.0	16	10.05	131.5	4.39
V340867		9.04	0.93	8.18	451	1270	1.57	0.49	0.72	28.0	56.7	15.0	21	9.79	24.0	3.05
V340868		6.12	0.61	7.99	1815	1130	1.93	0.21	0.92	33.1	50.4	15.1	17	21.3	23.6	5.64
V340869		7.92	10.80	6.92	1290	570	1.57	3.05	0.39	54.3	49.3	9.8	14	16.90	135.0	6.69
V340870		0.34	9.55	6.69	1845	1510	1.45	6.19	1.90	43.9	43.2	17.5	21	17.65	111.0	5.19
V340871		4.60	4.07	7.65	686	1230	1.71	1.54	1.11	84.3	51.0	12.1	13	18.50	154.5	5.05
V340872		6.86	0.46	7.35	134.5	1440	1.65	0.27	2.08	26.3	47.4	9.1	14	19.40	32.0	3.37
V340873		11.94	1.53	7.93	204	2360	1.64	0.44	1.22	16.60	53.0	7.0	14	18.80	36.0	4.09
V340874		10.98	0.33	7.55	53.1	1060	1.88	0.22	1.50	9.09	52.1	7.3	14	21.3	11.5	3.22
V340875		7.48	3.12	5.66	475	600	1.39	1.72	0.79	13.00	37.0	14.4	13	23.2	49.2	4.02
V340876		2.64	5.19	6.72	1370	300	1.56	1.40	0.25	17.85	48.0	5.2	13	25.3	120.5	5.82
V340877		11.48	1.52	7.06	22.1	1070	1.63	0.87	2.55	10.80	53.4	8.3	19	12.10	30.8	3.18
V340878		13.00	1.88	7.54	23.7	1630	1.50	0.83	2.12	48.2	84.4	11.1	18	9.00	23.5	3.24



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145105

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V339793		16.90	0.11	0.8	0.071	2.47	23.0	12.4	0.95	386	1.06	2.22	7.8	3.1	730
V339794		16.45	0.13	0.9	0.070	2.67	27.2	13.0	0.83	342	3.65	2.08	7.3	3.1	690
V339795		18.00	0.13	0.9	0.176	3.06	31.7	36.6	0.78	698	2.34	0.18	7.7	3.1	720
V339796		17.15	0.13	1.1	0.083	2.86	24.1	14.3	0.85	483	1.59	1.96	8.2	2.9	700
V339797		17.20	0.13	1.1	0.085	2.80	28.7	15.3	0.86	463	1.59	1.88	8.0	2.9	680
V339798		17.25	0.11	1.0	0.094	2.70	26.0	52.3	0.63	506	1.91	0.11	8.1	2.9	730
V339799		18.15	0.13	1.0	0.093	2.45	31.6	48.8	0.57	458	1.05	0.08	7.7	3.6	710
V339800		15.90	0.12	1.0	0.322	3.05	29.5	27.0	0.82	1980	15.30	0.15	6.1	15.4	560
V340851		16.85	0.13	0.9	0.096	2.77	21.9	23.3	0.73	473	1.38	1.23	7.5	2.7	680
V340852		16.60	0.13	1.0	0.079	2.68	23.2	29.6	0.81	615	2.12	1.18	7.9	2.9	680
V340853		17.55	0.13	1.0	0.074	2.83	25.5	34.1	0.62	594	4.88	0.22	8.2	2.5	730
V340854		14.80	0.12	0.8	1.600	2.67	27.3	29.0	0.68	836	2.14	0.06	6.3	3.8	560
V340855		0.24	0.06	<0.1	0.008	0.03	0.6	1.2	13.55	214	0.12	<0.01	0.2	1.3	190
V340856		17.60	0.13	0.9	0.069	3.04	22.6	20.0	0.37	422	1.43	0.13	8.0	1.8	740
V340857		16.10	0.13	1.1	0.062	2.78	25.0	20.4	0.79	521	1.44	0.60	7.9	2.3	670
V340858		16.60	0.12	1.0	0.063	2.81	24.4	23.0	0.81	545	1.59	0.56	8.1	2.5	660
V340859		17.05	0.12	0.9	0.331	3.39	29.0	7.0	0.64	478	1.95	0.05	4.6	3.0	590
V340860		18.25	0.12	0.9	0.146	3.21	26.1	17.2	0.64	563	1.71	0.45	6.3	2.9	640
V340861		16.95	0.12	0.8	0.204	3.36	27.9	6.5	0.64	924	1.32	0.05	4.9	3.0	610
V340862		15.55	0.10	0.6	0.602	2.24	14.2	24.4	0.75	1080	4.83	0.04	2.8	2.4	450
V340863		0.31	0.07	<0.1	0.005	0.03	0.8	1.0	13.20	218	0.10	0.01	0.3	1.3	250
V340864		15.45	0.10	1.0	0.140	3.37	22.7	11.5	0.88	998	1.15	0.07	6.8	2.4	640
V340865		15.90	0.10	0.9	0.101	2.92	26.3	10.1	0.73	569	1.23	1.02	7.4	2.5	680
V340866		21.1	0.16	0.9	0.490	4.34	63.8	15.3	0.27	2000	4.41	0.07	6.8	2.6	690
V340867		16.65	0.13	0.8	0.222	3.43	30.9	27.1	0.35	2060	3.10	0.07	5.8	2.2	690
V340868		16.60	0.12	1.2	0.119	2.97	27.4	61.1	0.38	3690	6.27	0.03	7.3	3.3	750
V340869		14.95	0.10	1.0	1.625	3.15	26.9	9.0	0.34	1730	4.75	0.02	6.6	5.8	640
V340870		14.80	0.10	1.2	0.922	2.86	22.3	22.3	0.70	1980	12.25	0.26	7.4	16.0	530
V340871		15.55	0.12	1.3	0.884	2.80	27.7	74.5	0.56	3550	2.49	0.03	7.4	2.9	690
V340872		15.70	0.11	1.1	0.159	3.03	25.3	26.9	0.82	2340	2.46	0.03	7.6	2.6	640
V340873		15.95	0.11	0.9	0.284	3.15	29.4	35.3	0.59	2410	3.44	0.03	7.0	2.7	620
V340874		15.75	0.11	1.0	0.068	2.57	28.5	104.5	0.64	2120	1.96	0.03	7.4	2.7	650
V340875		11.65	0.09	0.7	0.236	2.12	20.1	34.1	0.40	1370	13.95	0.03	5.0	2.6	400
V340876		15.35	0.11	0.8	0.421	3.02	26.8	15.3	0.30	958	16.95	0.04	5.9	2.6	500
V340877		15.55	0.10	0.7	0.150	2.42	29.2	43.9	0.86	1280	4.51	0.15	5.3	2.3	600
V340878		16.45	0.14	0.9	0.535	2.49	51.7	36.3	0.80	1180	1.70	0.09	5.9	4.1	630



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145105

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V339793		91.6	<0.002	0.33	1.10	11.3	1	2.9	426	0.60	0.45	10.45	0.291	1.50	3.3	81
V339794		109.0	<0.002	0.93	1.95	11.1	1	3.6	375	0.59	0.18	12.05	0.277	1.71	3.9	77
V339795		161.0	<0.002	1.73	20.9	12.1	1	6.9	110.0	0.66	0.44	15.05	0.273	2.50	5.7	81
V339796		101.5	<0.002	0.39	2.29	10.7	1	3.1	370	0.72	0.05	12.50	0.277	1.56	4.6	78
V339797		114.5	<0.002	0.57	2.64	11.4	1	3.3	354	0.69	0.10	14.35	0.271	1.64	4.8	77
V339798		104.5	<0.002	0.71	20.2	11.5	1	3.4	126.5	0.66	0.14	13.45	0.287	1.56	3.5	80
V339799		125.5	<0.002	1.94	18.30	12.3	1	5.8	100.5	0.60	0.54	12.55	0.267	1.43	3.8	72
V339800		171.0	0.004	2.86	28.8	9.5	1	6.0	115.5	0.54	0.34	12.40	0.210	2.60	5.4	68
V340851		113.0	<0.002	0.38	5.32	10.8	1	2.9	278	0.59	0.12	10.45	0.268	1.78	2.9	77
V340852		102.5	<0.002	0.53	9.08	10.8	1	2.7	266	0.65	0.07	13.40	0.275	1.64	4.3	77
V340853		108.0	<0.002	0.35	17.00	11.6	1	2.7	125.5	0.70	0.20	12.95	0.287	1.60	3.7	81
V340854		158.0	<0.002	6.58	304	9.6	2	6.2	63.4	0.58	0.56	11.50	0.209	1.99	6.0	64
V340855		1.4	<0.002	0.01	0.50	0.2	<1	0.2	49.6	<0.05	<0.05	0.12	<0.005	<0.02	0.6	2
V340856		121.5	<0.002	0.21	15.15	10.8	1	2.0	113.0	0.65	0.20	11.60	0.300	1.48	2.5	81
V340857		113.5	<0.002	0.54	11.45	9.6	1	2.5	192.0	0.74	0.06	13.20	0.267	2.03	5.1	75
V340858		109.0	<0.002	0.59	11.85	9.9	1	2.5	185.0	0.74	0.08	12.40	0.268	2.04	5.5	75
V340859		216	<0.002	5.51	99.4	9.7	1	12.8	44.3	0.43	0.29	12.90	0.171	2.57	4.1	65
V340860		166.0	<0.002	3.22	11.80	10.4	2	10.5	136.5	0.53	0.19	11.95	0.224	2.44	4.7	71
V340861		240	<0.002	6.14	12.80	10.1	1	11.9	28.6	0.44	0.22	13.70	0.183	2.67	3.8	69
V340862		126.0	<0.002	>10.0	20.3	7.2	3	20.5	86.3	0.25	3.14	9.13	0.106	1.74	5.7	50
V340863		1.7	<0.002	0.03	0.23	0.2	1	0.2	44.7	<0.05	<0.05	0.17	0.005	0.02	0.8	2
V340864		144.0	<0.002	2.40	15.95	9.2	1	4.5	92.0	0.62	0.06	11.55	0.231	2.58	4.9	72
V340865		128.0	<0.002	1.18	6.03	9.8	1	3.1	1200	0.61	<0.05	11.40	0.264	1.89	3.7	75
V340866		281	<0.002	0.14	7.70	11.2	1	5.1	28.0	0.58	0.35	14.15	0.234	3.81	5.7	80
V340867		214	<0.002	0.39	9.65	9.8	1	2.8	56.9	0.49	0.13	14.15	0.201	3.35	4.4	62
V340868		166.0	<0.002	0.14	21.2	10.7	1	2.3	100.0	0.64	<0.05	13.25	0.248	2.98	7.8	73
V340869		224	<0.002	3.30	22.6	10.0	1	4.7	33.7	0.56	0.14	13.30	0.208	3.67	10.9	62
V340870		158.0	<0.002	3.18	32.3	8.7	1	5.7	149.0	0.59	0.41	11.50	0.204	2.71	5.0	58
V340871		175.5	<0.002	1.97	32.0	10.7	1	2.6	126.0	0.63	0.08	13.95	0.237	2.98	8.6	65
V340872		167.0	<0.002	0.38	17.25	11.4	<1	2.0	98.4	0.58	0.06	12.85	0.247	3.33	5.4	72
V340873		187.0	<0.002	1.24	27.1	10.3	<1	3.7	82.9	0.59	<0.05	13.85	0.238	3.55	4.2	67
V340874		141.5	<0.002	0.26	18.05	10.3	1	2.1	120.5	0.60	<0.05	13.80	0.235	2.90	4.4	66
V340875		118.5	<0.002	2.40	52.6	7.2	1	3.2	138.5	0.41	0.25	9.60	0.172	2.21	6.7	52
V340876		208	<0.002	5.39	63.5	8.9	1	7.5	19.7	0.47	0.10	10.80	0.188	3.18	6.7	61
V340877		118.5	0.002	0.91	11.60	9.9	<1	2.9	115.5	0.42	0.26	11.00	0.179	2.59	4.4	61
V340878		148.5	<0.002	1.27	13.15	10.8	1	2.8	108.5	0.46	0.21	13.15	0.192	2.62	4.2	61



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS VA17145105

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V339793		1.0	17.5	45	20.2	0.028
V339794		1.4	16.4	49	20.9	0.044
V339795		4.1	16.7	132	23.2	0.358
V339796		1.0	16.9	62	27.4	0.042
V339797		1.1	18.4	54	27.8	0.043
V339798		5.6	16.2	68	26.7	0.030
V339799		8.1	17.2	60	27.9	0.143
V339800		5.9	12.4	915	30.7	0.362
V340851		2.0	16.1	68	22.3	0.016
V340852		2.2	16.9	147	24.5	0.015
V340853		4.4	16.8	59	24.9	0.042
V340854		5.5	15.5	245	20.4	1.090
V340855		0.1	0.8	17	<0.5	<0.005
V340856		6.5	16.5	40	21.5	0.014
V340857		1.7	16.2	71	26.4	0.026
V340858		1.7	16.2	78	25.7	0.029
V340859		7.0	10.5	310	23.8	0.647
V340860		6.0	13.0	111	22.8	0.220
V340861		10.1	7.7	145	19.7	0.404
V340862		9.2	7.8	5460	14.7	2.05
V340863		0.2	1.0	22	<0.5	0.006
V340864		3.7	13.1	119	25.0	0.096
V340865		2.8	14.5	71	23.2	0.031
V340866		4.6	14.9	1760	23.0	0.030
V340867		2.0	15.5	2010	22.1	0.020
V340868		5.4	18.7	2440	32.1	0.007
V340869		6.1	10.1	2790	27.8	0.430
V340870		5.2	11.7	3040	38.4	0.841
V340871		4.3	15.0	4220	29.7	0.327
V340872		4.2	16.0	1290	27.8	0.015
V340873		5.8	13.0	1460	26.3	0.147
V340874		3.9	15.2	1080	28.0	0.020
V340875		4.0	9.7	1680	20.1	1.080
V340876		4.5	9.7	1580	23.3	0.472
V340877		1.7	11.8	702	20.0	0.026
V340878		2.1	14.5	2640	25.7	0.070



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145105

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
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Plus Appendix Pages
Finalized Date: 25-AUG-2017
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Project: Klaza

P.O. No.: 17-034

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND 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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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145109

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Pb-OG62 Pb %	Zn-OG62 Zn %	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	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V339685		3.70			0.48	7.32	22.3	2530	1.62	1.31	2.24	0.51	49.3	9.9	11	26.9
V339686		2.84			2.25	6.54	84.3	1280	1.43	4.19	2.90	0.82	47.5	6.3	11	23.5
V339687		3.84			0.24	7.17	7.6	2130	1.55	1.42	2.49	0.34	49.4	9.4	13	16.90
V339688		2.46			0.15	7.34	6.2	2170	1.54	1.31	2.55	0.29	48.0	6.8	14	17.45
V339689		5.34			0.95	7.63	56.8	680	1.22	2.18	1.45	0.87	45.6	9.6	13	12.90
V339690		0.34			9.58	6.58	1650	380	1.51	6.80	1.86	42.5	42.8	16.9	22	17.00
V339691		5.44			0.77	7.09	53.3	800	1.34	1.36	2.15	1.17	45.2	9.2	16	14.60
V339692		12.16			0.27	7.47	23.2	1690	1.39	0.61	2.21	0.48	48.5	7.9	15	19.55
V339693		4.62			0.64	7.30	42.9	1250	1.49	0.58	2.87	0.99	55.4	10.4	13	23.2
V339694		<0.02			0.57	7.50	39.2	1380	1.40	0.61	2.80	0.99	56.9	10.6	18	24.6
V339695		3.20			0.74	6.04	34.5	280	1.08	1.80	1.88	3.37	62.3	54.7	13	13.55
V339696		4.26			0.49	7.22	35.3	200	1.42	2.31	1.19	1.55	79.8	9.2	11	11.90
V339697		6.94			0.69	6.89	72.9	1790	1.51	0.89	2.62	2.47	42.9	7.4	17	19.65
V339698		4.50			0.75	7.18	55.2	1390	1.59	1.45	2.09	1.46	43.6	7.7	13	20.2
V339699		5.86			0.64	7.06	41.3	1000	1.51	0.59	1.56	0.66	42.2	9.4	16	18.80
V339700		0.34			39.5	5.71	2290	280	1.12	37.9	1.63	45.9	36.4	16.8	22	10.50
V339701		6.66			1.68	7.31	113.0	570	1.52	4.27	1.79	0.87	50.2	9.0	14	17.30
V339702		10.44			1.60	8.15	64.7	2050	1.51	1.36	0.12	4.19	60.9	6.6	15	17.00
V339703		12.38			6.52	7.92	74.9	1690	1.65	8.21	0.37	4.95	53.3	5.4	9	17.80
V339704		7.22			6.84	7.14	144.5	1260	1.18	13.95	0.05	1.03	51.9	0.8	9	11.00
V339705		6.02			0.05	0.07	0.4	20	<0.05	0.11	20.4	0.09	1.17	0.7	2	0.18
V339706		7.54			5.89	7.28	58.5	1360	1.26	11.30	0.06	0.23	55.8	0.2	9	8.15
V339707		2.42			2.49	7.67	14.8	1770	1.15	5.28	0.04	0.12	56.1	0.2	9	5.09
V339708		11.08			1.12	7.86	114.0	1390	2.18	1.91	0.15	21.0	55.4	7.3	8	19.95
V339709		13.10			1.00	7.89	56.8	1920	1.69	1.87	0.18	36.6	51.8	10.6	9	17.25
V339710		13.20			0.95	7.59	101.0	1440	1.83	1.60	0.05	2.22	53.6	4.3	9	19.95
V339711		11.80			3.59	6.74	147.5	370	1.21	5.58	0.03	0.87	121.5	6.2	9	15.40
V339712		8.88			2.24	7.35	97.1	480	1.86	3.78	0.07	23.6	54.7	6.2	9	12.45
V339713		12.38	1.555	1.215	56.9	6.47	287	340	1.85	17.45	0.85	182.0	46.0	7.2	10	10.90
V339714		6.02			0.22	0.08	<0.2	30	0.07	0.10	20.7	0.64	1.33	0.8	1	0.21
V339715		12.88			3.15	7.50	100.5	340	1.42	6.37	0.78	6.14	48.4	5.5	11	10.20
V339716		5.42			0.73	7.85	56.7	1240	1.73	1.23	1.74	2.47	50.0	8.9	9	21.6
V339717		13.16			0.43	7.68	22.1	490	1.62	1.02	1.77	4.72	50.9	8.7	9	16.00
V339718		13.42			0.73	7.64	17.8	550	1.37	2.07	1.29	2.30	50.3	7.6	9	15.05
V339719		3.42			1.09	7.77	27.4	320	1.43	3.26	1.18	9.22	47.3	9.0	8	18.05
V339720		4.12			0.48	7.43	34.2	1520	1.52	1.10	2.13	6.82	45.2	8.3	8	18.20



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145109

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
V339685		30.6	3.01	17.25	0.16	1.0	0.121	3.12	25.2	18.6	0.65	489	13.10	0.63	8.9	2.8
V339686		130.0	4.18	14.75	0.15	1.0	0.183	2.73	25.8	21.4	1.07	923	4.73	0.09	6.8	2.6
V339687		25.4	2.89	16.20	0.22	1.0	0.081	2.65	26.4	9.6	0.74	436	8.63	2.04	8.1	2.8
V339688		27.9	2.88	16.15	0.24	1.1	0.078	2.67	25.4	9.6	0.76	454	5.98	2.10	8.5	2.7
V339689		68.3	4.82	18.65	0.16	0.9	0.095	2.68	24.3	40.7	0.63	603	5.53	0.06	7.1	2.8
V339690		111.0	5.20	15.25	0.12	1.3	0.903	2.80	21.9	23.7	0.68	2000	12.70	0.26	7.7	15.4
V339691		37.6	3.66	16.70	0.14	0.7	0.091	2.81	24.3	26.6	0.81	793	2.64	0.04	5.7	2.9
V339692		47.0	3.23	17.40	0.17	0.8	0.061	2.40	25.7	34.1	0.76	502	10.70	0.33	8.0	2.6
V339693		59.5	2.99	16.70	0.20	0.8	0.067	2.95	29.8	14.4	1.06	913	11.65	0.06	7.5	2.9
V339694		51.9	2.99	16.45	0.19	0.8	0.059	2.93	32.4	13.9	1.06	821	14.60	0.06	7.6	2.9
V339695		18.9	4.18	13.85	0.17	0.7	0.088	2.71	38.2	12.8	0.95	1140	12.85	0.04	4.1	5.7
V339696		6.0	4.83	17.00	0.17	0.8	0.175	3.38	43.8	7.1	0.75	583	2.50	0.06	4.7	2.5
V339697		27.7	3.44	16.10	0.17	0.9	0.110	2.75	21.9	11.6	0.74	1090	3.98	1.10	7.9	2.8
V339698		44.8	3.53	16.20	0.17	0.9	0.151	3.22	22.6	12.5	0.76	1080	2.40	0.11	7.0	2.3
V339699		151.0	2.85	16.40	0.16	1.0	0.070	2.02	22.1	108.0	0.57	828	4.42	0.04	8.1	2.6
V339700		1180	9.12	14.20	0.14	0.9	1.575	2.55	18.8	16.2	0.66	2340	18.80	0.06	5.2	14.4
V339701		203	4.21	17.10	0.15	0.9	0.131	3.28	28.2	11.1	0.80	889	35.8	0.05	6.6	2.5
V339702		147.5	3.69	17.95	0.15	1.0	0.148	3.01	35.5	35.2	0.20	368	18.45	0.08	7.6	2.1
V339703		162.5	3.73	17.35	0.17	1.0	0.144	3.25	29.3	22.3	0.28	358	2.65	0.39	7.5	2.4
V339704		82.2	3.02	15.15	0.13	0.9	0.214	3.29	29.2	11.7	0.28	87	3.90	0.06	6.1	0.7
V339705		2.9	0.48	0.30	0.31	<0.1	<0.005	0.03	0.6	1.0	12.85	209	0.09	0.01	0.1	1.4
V339706		47.8	2.26	15.80	0.28	1.2	0.165	3.57	32.0	6.0	0.31	55	3.09	0.07	6.1	0.5
V339707		21.2	1.53	15.95	0.21	1.2	0.113	3.76	31.7	6.7	0.33	46	1.44	0.07	7.1	0.4
V339708		635	4.40	16.75	0.17	1.0	0.204	3.20	30.1	19.8	0.27	442	4.62	0.05	6.5	3.6
V339709		342	4.29	15.90	0.15	1.0	0.181	2.87	27.5	28.4	0.23	1100	3.76	0.09	7.1	3.0
V339710		398	4.92	13.85	0.19	1.0	0.232	2.90	29.6	23.4	0.24	246	6.05	0.05	6.3	2.5
V339711		118.5	5.43	14.25	0.18	0.9	0.238	3.06	79.5	11.3	0.28	87	14.45	0.05	5.1	1.9
V339712		246	5.26	16.75	0.16	1.0	0.414	3.47	30.1	7.8	0.36	1030	6.19	0.06	5.8	2.3
V339713		474	6.54	15.35	0.14	1.3	2.47	2.83	26.2	13.9	0.60	3490	2.02	0.04	4.7	2.9
V339714		4.4	0.51	0.33	0.25	<0.1	0.012	0.03	0.6	1.0	13.05	220	0.12	0.01	0.2	1.5
V339715		230	5.17	14.70	0.11	1.0	0.281	3.56	26.6	6.2	0.58	686	2.84	0.06	5.5	2.4
V339716		127.0	4.19	16.45	0.11	0.9	0.178	3.42	27.8	7.1	0.86	1140	1.13	0.05	7.1	2.7
V339717		70.1	4.52	14.35	0.12	1.0	0.127	3.13	27.6	17.2	0.72	832	1.99	0.21	6.8	3.0
V339718		77.1	5.51	13.55	0.12	1.0	0.151	3.24	28.4	8.6	0.63	780	1.29	0.34	6.0	2.7
V339719		122.5	5.89	14.05	0.12	0.9	0.151	3.29	25.5	11.0	0.60	790	2.32	0.06	6.1	3.0
V339720		56.2	4.39	14.35	0.12	0.9	0.198	3.05	24.9	14.0	0.86	1080	2.96	0.05	6.3	2.8



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Project: Klaza

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145109

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005
V339685		620	19.0	128.5	0.002	0.64	11.30	11.4	1	3.5	159.0	0.72	0.14	12.80	0.266
V339686		490	43.7	127.5	<0.002	1.45	24.6	9.3	1	4.9	86.6	0.59	0.27	12.50	0.208
V339687		550	23.9	104.5	0.002	0.18	1.38	10.4	1	1.9	360	0.68	0.12	13.20	0.241
V339688		590	24.2	104.0	0.002	0.07	1.23	10.8	1	1.9	368	0.72	0.05	13.45	0.251
V339689		610	53.5	138.0	<0.002	3.77	30.7	12.1	1	7.4	74.8	0.52	0.29	11.90	0.235
V339690		470	1360	154.0	0.002	3.00	32.4	8.9	1	6.1	147.0	0.64	0.28	11.05	0.205
V339691		600	71.3	138.5	<0.002	2.44	18.30	10.9	2	5.1	84.1	0.40	0.22	9.76	0.208
V339692		660	26.4	100.0	<0.002	1.02	19.00	11.9	1	4.0	161.0	0.53	0.06	10.10	0.269
V339693		640	31.6	129.5	<0.002	1.48	18.40	11.8	1	3.2	90.8	0.50	0.12	10.30	0.249
V339694		640	35.7	138.0	0.002	1.54	16.30	11.7	1	3.1	92.1	0.50	0.12	11.10	0.250
V339695		500	138.5	171.0	<0.002	3.76	15.35	9.4	2	6.0	45.2	0.34	0.34	9.80	0.152
V339696		560	38.5	178.0	0.002	4.68	4.16	10.0	2	12.0	31.0	0.39	0.67	13.00	0.154
V339697		590	106.5	115.0	<0.002	1.22	4.19	10.8	1	3.3	254	0.63	0.10	11.15	0.254
V339698		560	69.4	154.0	<0.002	1.63	8.23	10.4	1	4.3	108.5	0.56	0.08	10.55	0.226
V339699		570	26.8	96.9	<0.002	0.80	79.3	10.4	1	2.7	110.0	0.67	0.11	11.90	0.245
V339700		420	1625	148.5	0.002	7.63	100.5	8.5	2	11.0	63.2	0.43	0.65	9.06	0.170
V339701		570	77.0	184.5	0.003	3.30	33.3	11.0	1	8.5	55.1	0.54	0.33	13.60	0.211
V339702		510	121.0	154.5	<0.002	0.22	28.4	11.3	1	3.8	78.5	0.67	0.19	15.60	0.234
V339703		530	167.5	158.0	<0.002	0.17	13.55	10.2	1	5.2	118.5	0.62	0.25	14.25	0.230
V339704		310	371	172.0	<0.002	0.24	55.5	9.7	1	9.6	61.9	0.49	0.49	10.15	0.190
V339705		150	3.1	1.4	<0.002	<0.01	0.62	0.2	<1	<0.2	45.3	<0.05	<0.05	0.12	<0.005
V339706		160	181.0	192.0	<0.002	0.36	14.40	9.1	2	13.4	46.3	0.61	0.70	8.29	0.170
V339707		100	70.5	175.5	<0.002	0.30	8.01	10.4	2	13.2	40.5	0.63	0.51	7.65	0.207
V339708		540	133.0	176.5	<0.002	0.47	18.60	12.6	2	5.0	71.3	0.54	0.33	15.90	0.200
V339709		580	112.5	139.0	<0.002	0.40	14.60	11.7	2	5.7	100.5	0.56	0.17	14.45	0.219
V339710		630	253	148.0	<0.002	0.48	16.15	10.6	2	4.9	92.3	0.52	0.11	13.60	0.201
V339711		490	766	164.0	0.003	2.64	17.65	9.1	2	7.6	119.5	0.41	0.47	11.65	0.168
V339712		440	289	183.0	0.005	3.13	10.75	12.0	2	9.1	67.5	0.48	0.50	12.85	0.184
V339713		540	>10000	149.5	<0.002	4.75	42.2	8.4	2	14.6	79.9	0.40	0.43	11.50	0.151
V339714		190	50.3	1.7	<0.002	0.01	0.40	0.2	<1	<0.2	45.4	<0.05	<0.05	0.13	<0.005
V339715		450	117.5	161.5	<0.002	3.37	9.72	10.5	2	7.8	62.3	0.45	0.69	11.45	0.189
V339716		610	49.1	154.0	<0.002	1.45	7.39	11.3	1	3.0	70.7	0.55	0.12	13.35	0.239
V339717		570	30.6	134.0	<0.002	2.32	4.67	10.9	3	3.5	107.0	0.58	0.12	14.10	0.217
V339718		580	33.6	136.5	<0.002	3.47	3.75	10.6	2	4.5	105.5	0.51	0.13	12.20	0.204
V339719		550	51.2	140.0	<0.002	3.59	6.16	10.9	4	5.4	70.8	0.48	0.24	11.85	0.204
V339720		550	57.9	132.5	<0.002	1.77	5.84	10.2	2	3.5	107.5	0.49	0.09	11.80	0.206



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Page: 2 - D
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Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145109

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	Au-AA24 Au ppm 0.005
V339685		4.3	73	2.1	17.6	69	25.3	0.035
V339686		5.3	60	6.4	13.2	101	24.0	0.100
V339687		4.1	67	1.7	16.5	53	25.2	0.012
V339688		4.2	69	2.1	17.0	54	25.6	0.012
V339689		5.5	73	6.4	13.8	91	20.1	0.176
V339690		4.9	56	5.5	11.5	3040	41.3	0.827
V339691		6.1	70	3.4	11.9	136	18.3	0.106
V339692		5.0	76	2.5	14.0	59	20.1	0.061
V339693		5.6	75	1.9	14.2	98	20.4	0.054
V339694		5.7	74	1.9	14.3	95	20.2	0.058
V339695		4.1	58	3.5	11.9	294	16.5	0.098
V339696		3.1	63	7.4	12.2	153	19.8	0.126
V339697		4.0	70	4.3	14.5	260	21.1	0.189
V339698		4.0	65	5.1	12.9	164	21.7	0.177
V339699		8.2	69	3.2	12.6	98	22.8	0.050
V339700		5.6	54	7.8	9.3	3410	24.9	1.780
V339701		5.4	66	6.5	12.7	121	20.9	0.215
V339702		4.2	71	8.8	14.0	441	25.6	0.044
V339703		4.8	68	8.0	12.7	473	26.3	0.058
V339704		2.6	64	23.4	6.4	260	22.3	0.177
V339705		0.4	2	0.1	0.8	18	<0.5	<0.005
V339706		1.7	59	17.1	5.4	74	30.3	0.323
V339707		1.4	66	31.0	5.3	42	29.4	0.125
V339708		10.8	67	8.6	14.1	697	25.5	0.044
V339709		9.7	68	13.0	14.4	1120	24.6	0.017
V339710		9.9	69	20.1	11.2	576	25.7	0.034
V339711		3.8	67	20.3	8.1	413	27.3	0.373
V339712		8.9	67	19.0	13.0	1250	26.2	0.094
V339713		9.7	53	11.4	10.3	>10000	41.1	1.000
V339714		0.7	3	0.2	0.8	50	0.5	0.013
V339715		5.5	67	21.0	9.6	418	25.8	0.107
V339716		4.3	70	8.2	14.4	314	27.4	0.011
V339717		4.4	66	12.7	16.4	367	30.3	0.008
V339718		4.2	65	15.5	15.6	189	25.9	0.019
V339719		5.8	67	15.4	14.8	428	26.3	0.021
V339720		4.4	64	13.1	14.8	438	26.4	0.009



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 25-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145109

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31	CRU-QC
LOG-21	LOG-21d	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE VA17145110

Project: Klaza

P.O. No.: 17-046

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC,
Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145110

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag 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	1	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V340017		4.16		0.87	7.50	43.7	2420	1.67	1.80	2.30	5.31	43.9	9.0	13	20.4	107.5
V340018		2.50		2.97	6.95	276	1340	1.62	8.28	0.90	4.48	51.1	7.9	13	20.2	196.0
V340019		2.86		1.01	7.49	17.2	2200	1.71	4.28	2.52	3.45	40.6	9.1	13	15.95	32.1
V340020		4.30		15.05	7.47	145.5	1160	1.66	20.9	2.45	4.98	57.4	8.5	12	16.65	542
V340021		4.08		3.12	6.97	77.4	830	2.01	4.48	3.21	2.82	53.8	8.9	17	23.4	52.1
V340022		2.48	408	>100	5.91	1080	330	1.20	653	0.47	135.0	39.9	6.6	11	6.34	6950
V340023		5.36		8.10	7.53	263	300	1.50	9.36	0.21	3.90	46.4	7.6	13	7.70	164.5
V340024		1.76		7.41	7.40	235	340	1.44	9.34	0.29	4.47	45.1	7.1	12	8.37	131.5
V340025		3.96		70.1	6.38	688	520	1.66	103.0	3.26	21.7	49.7	7.0	12	15.55	1410
V340026		8.96		19.20	7.29	334	950	1.95	32.1	2.36	2.63	56.6	6.7	14	20.1	497
V340027		1.36		74.4	5.91	806	840	1.38	106.5	1.65	42.6	47.1	6.3	10	9.42	2530
V340028		10.54		1.51	7.54	53.7	1360	1.88	0.52	2.75	1.06	51.6	5.1	5	14.55	11.9
V340029		2.22		18.30	8.18	153.0	3610	1.84	26.4	2.31	3.27	57.9	5.7	8	15.95	211
V340030		5.50		1.70	7.07	53.1	1900	1.75	0.33	2.42	2.05	49.8	4.1	5	13.65	20.9
V340031		3.06		32.5	6.68	399	1110	2.06	48.1	3.57	32.8	55.0	5.5	8	30.1	697
V340032		6.12		0.13	0.05	0.9	40	0.06	0.15	21.2	0.13	1.05	0.6	<1	0.14	3.6
V340033		2.46		2.62	7.37	72.1	770	1.69	3.22	2.63	3.09	38.8	5.3	13	29.2	41.3
V340034		4.78		1.41	7.42	164.5	1540	1.44	1.73	2.16	2.61	45.0	7.2	13	25.3	56.9
V340035		0.36		4.73	6.97	774	520	1.35	3.54	2.15	12.10	48.8	12.4	26	14.15	322
V340036		4.18		0.54	7.81	104.5	2330	1.55	0.85	2.86	0.82	51.7	19.6	13	7.14	24.9
V340037		2.54		6.96	6.18	163.5	920	1.25	1390	1.84	2.65	49.2	148.5	16	7.04	85.0
V340038		4.54		0.42	7.66	44.9	2040	1.54	3.69	2.57	1.75	49.4	35.9	15	7.36	46.9
V340039		3.92		1.06	7.19	61.0	1720	1.73	1.82	2.64	1.05	43.7	14.2	16	14.35	80.1
V340040		2.64		17.65	6.51	1995	920	1.63	22.7	1.78	51.2	43.9	7.9	11	14.30	823
V340041		<0.02		17.40	6.84	1865	960	1.60	20.1	1.86	50.3	46.1	8.2	13	15.05	854
V340042		4.42		0.60	6.49	37.3	1700	1.70	1.01	3.30	0.34	39.1	9.5	13	26.6	53.8
V340043		12.58		1.34	7.24	61.8	1740	1.43	2.41	2.52	1.31	48.6	4.3	20	11.25	152.5
V340044		4.70		4.55	7.13	80.5	810	1.65	5.42	2.13	4.40	44.2	12.5	14	13.90	90.3
V340045		6.20		0.02	0.05	0.5	50	0.05	0.02	21.1	0.08	1.09	0.9	1	0.14	2.5
V340046		4.86		0.90	7.31	23.9	1890	1.46	2.57	2.62	0.17	45.5	10.3	13	15.20	61.2
V340047		7.50		0.66	7.40	39.2	1950	1.59	1.32	2.29	0.61	51.2	6.3	12	15.30	66.2
V340048		5.00		0.61	7.14	47.4	1830	1.41	0.92	2.69	1.09	44.1	6.2	14	16.75	58.2
V340049		0.36		12.35	6.63	1575	830	1.43	12.30	1.92	33.4	46.3	18.3	19	14.20	286
V340050		5.32		4.51	7.61	162.5	1030	1.41	5.24	2.13	4.07	61.2	7.9	14	17.70	273
V340051		4.30	188	>100	6.22	2620	380	1.27	323	0.97	59.5	51.1	8.4	13	9.69	4020
V340052		4.26		2.86	7.47	141.5	920	1.67	3.69	1.74	0.97	55.9	11.8	15	16.05	218



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145110

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
V340017		3.42	16.60	0.11	0.9	0.124	3.09	22.4	20.0	0.68	787	4.28	0.45	7.7	2.5	670
V340018		5.16	16.00	0.12	0.7	0.267	3.01	28.7	15.2	0.53	587	7.66	0.04	4.6	2.3	650
V340019		3.33	17.15	0.11	1.0	0.205	2.72	20.1	17.1	0.63	756	2.12	1.34	8.2	2.8	710
V340020		4.24	16.65	0.13	1.1	0.311	2.83	30.5	37.9	1.01	1060	1.97	0.08	7.4	2.7	600
V340021		2.69	17.95	0.13	2.8	0.076	2.95	26.9	13.8	1.11	1210	2.12	0.06	10.3	5.7	1150
V340022		8.91	15.50	0.14	0.7	7.50	2.72	21.9	5.4	0.38	394	2.77	0.04	3.7	2.9	410
V340023		5.73	17.15	0.12	0.9	0.205	3.56	24.8	5.3	0.36	220	2.45	0.06	5.8	2.7	660
V340024		5.18	17.65	0.11	0.9	0.207	3.57	24.5	5.9	0.39	304	2.61	0.06	5.8	2.7	680
V340025		5.02	15.40	0.12	2.0	1.030	2.47	27.3	20.6	1.23	2270	4.52	0.07	7.2	4.5	780
V340026		2.70	18.65	0.14	3.0	0.297	2.53	27.9	100.5	0.84	1440	2.02	0.15	10.5	5.2	1080
V340027		5.29	14.90	0.11	1.2	2.46	2.35	25.3	21.4	0.66	1280	5.46	0.05	5.9	3.8	520
V340028		2.73	19.00	0.09	2.1	0.046	1.87	24.9	119.0	0.80	1200	1.96	0.34	9.4	2.1	940
V340029		2.78	20.7	0.14	2.2	0.108	2.11	27.8	140.5	0.69	1200	36.1	0.33	9.8	2.6	1020
V340030		2.56	17.50	0.12	2.0	0.034	1.87	23.9	132.0	0.70	1370	4.10	0.25	8.7	1.9	880
V340031		3.44	15.80	0.13	2.0	0.901	2.01	29.6	64.1	1.15	2820	2.94	0.09	8.1	3.2	820
V340032		0.47	0.18	0.09	<0.1	0.006	0.02	0.5	1.0	13.15	212	0.11	<0.01	0.1	1.3	170
V340033		2.89	15.45	0.11	1.0	0.132	2.43	18.7	30.5	0.86	2660	3.42	0.05	7.9	2.4	690
V340034		4.67	15.05	0.09	0.9	0.230	3.44	22.9	10.4	0.86	2940	9.31	0.16	7.3	2.7	660
V340035		5.21	15.50	0.10	1.0	0.323	3.03	27.0	22.0	0.81	1970	14.25	0.15	6.2	14.1	570
V340036		3.42	16.40	0.10	1.1	0.082	2.86	27.4	7.8	0.86	655	4.88	2.02	8.1	2.9	670
V340037		8.48	12.65	0.13	0.9	0.130	2.50	29.3	11.1	0.70	696	7.88	0.51	5.7	4.0	480
V340038		3.91	16.70	0.12	1.2	0.096	2.75	26.0	10.5	0.88	662	10.50	1.90	8.0	3.1	670
V340039		3.80	15.80	0.11	1.1	0.208	3.00	22.5	11.5	0.81	852	5.15	0.66	7.9	2.8	640
V340040		6.76	15.10	0.12	1.0	1.130	2.78	23.5	5.5	0.85	1310	4.94	0.07	6.2	2.6	530
V340041		6.86	16.10	0.11	1.0	1.170	2.92	24.7	5.8	0.89	1360	2.65	0.07	6.4	2.6	560
V340042		2.75	14.65	0.11	0.9	0.117	2.41	20.5	16.7	0.81	691	9.64	0.05	7.4	2.5	590
V340043		3.54	16.25	0.11	1.1	0.187	3.06	26.2	17.1	0.89	677	2.24	1.29	6.7	3.0	570
V340044		3.72	16.60	0.12	1.1	0.170	3.09	24.0	16.0	0.79	614	1.79	0.58	6.9	2.8	590
V340045		0.48	0.25	0.08	<0.1	<0.005	0.02	0.5	0.9	13.05	212	0.07	0.01	0.1	1.1	170
V340046		3.35	16.40	0.09	1.0	0.128	2.68	23.8	17.4	0.94	494	2.15	1.37	7.6	2.3	620
V340047		3.72	16.80	0.12	1.2	0.085	2.94	27.2	12.5	0.85	944	9.67	1.37	8.0	2.5	600
V340048		3.67	16.65	0.10	1.2	0.088	2.64	23.1	13.0	0.89	867	4.53	1.23	8.1	2.3	610
V340049		6.68	15.90	0.10	1.1	0.827	2.92	24.8	19.6	0.79	1800	9.10	0.13	6.6	12.4	520
V340050		4.17	17.60	0.11	1.2	0.328	3.47	33.0	6.7	1.01	2230	6.47	0.06	7.4	2.5	620
V340051		7.47	16.60	0.12	1.0	4.19	3.01	27.3	7.4	0.62	968	3.66	0.04	5.5	2.6	490
V340052		4.73	17.25	0.12	1.2	0.250	3.23	31.0	7.5	0.92	1120	2.07	0.10	7.5	2.9	620



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145110

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V340017		130.0	129.0	0.003	1.24	21.3	10.7	1	3.7	150.5	0.57	0.23	11.50	0.260	2.48	2.7
V340018		149.5	190.0	<0.002	0.99	33.3	10.2	1	8.0	80.3	0.34	0.98	12.05	0.175	2.96	5.2
V340019		124.5	96.1	<0.002	0.20	8.31	11.1	1	2.4	265	0.57	0.25	10.25	0.285	1.66	1.9
V340020		141.5	154.0	<0.002	1.99	52.5	10.6	1	4.6	93.1	0.64	1.03	14.25	0.230	2.54	7.3
V340021		60.1	123.5	0.002	0.42	26.6	6.7	1	2.0	128.5	0.68	0.19	7.96	0.300	3.44	8.1
V340022		4280	157.0	<0.002	>10.0	162.5	8.7	6	18.7	17.5	0.30	18.80	8.63	0.136	2.74	3.1
V340023		180.5	206	<0.002	5.76	16.30	10.8	1	11.0	21.4	0.43	0.94	11.40	0.203	3.24	3.1
V340024		167.0	199.5	<0.002	4.99	15.30	10.8	1	12.1	25.9	0.43	0.94	11.90	0.200	3.37	3.0
V340025		1200	148.5	<0.002	3.97	165.5	6.8	1	5.2	105.0	0.52	3.50	9.40	0.228	2.50	4.7
V340026		320	121.5	<0.002	1.52	44.9	6.6	1	2.0	159.5	0.73	0.17	9.07	0.304	2.93	4.6
V340027		1380	125.0	<0.002	4.50	478	7.6	2	13.9	69.5	0.50	0.94	10.30	0.177	2.17	2.6
V340028		121.5	66.9	<0.002	0.29	8.74	5.4	1	1.5	214	0.68	0.06	8.16	0.310	1.63	3.3
V340029		264	87.7	0.002	0.97	51.5	6.3	1	3.4	217	0.73	0.23	9.81	0.322	2.00	4.7
V340030		178.0	72.8	<0.002	0.35	8.82	5.0	1	1.3	159.0	0.64	<0.05	7.69	0.290	1.71	4.1
V340031		1515	115.0	<0.002	1.66	82.5	6.7	1	3.3	341	0.60	0.26	9.52	0.256	2.07	5.2
V340032		3.7	0.9	<0.002	<0.01	0.28	0.1	<1	<0.2	46.3	<0.05	<0.05	0.06	<0.005	<0.02	0.4
V340033		123.5	83.9	<0.002	0.35	12.45	9.4	1	2.7	119.5	0.65	0.08	10.65	0.272	2.49	2.9
V340034		108.5	166.0	<0.002	1.77	14.15	10.1	1	4.4	104.5	0.56	0.27	11.50	0.261	2.99	3.1
V340035		498	161.5	0.004	2.86	28.7	9.2	1	5.7	109.5	0.52	0.41	12.00	0.206	2.78	5.2
V340036		73.5	106.5	<0.002	0.71	3.73	10.3	1	2.5	367	0.73	0.16	12.25	0.263	1.38	4.2
V340037		270	142.0	<0.002	7.05	6.32	8.0	5	5.9	107.0	0.45	>500	10.45	0.184	1.65	3.4
V340038		75.8	110.5	<0.002	1.01	1.76	10.9	1	3.7	335	0.66	1.78	11.65	0.261	1.38	4.1
V340039		42.3	119.5	<0.002	0.88	6.36	9.8	1	4.3	155.5	0.68	0.26	11.80	0.246	1.99	4.5
V340040		510	151.5	<0.002	4.88	23.6	9.2	1	8.7	49.2	0.52	1.78	11.45	0.199	1.98	4.9
V340041		508	159.0	<0.002	4.91	24.5	9.7	1	9.4	50.9	0.57	0.76	11.95	0.210	2.18	5.1
V340042		24.1	82.3	<0.002	0.51	11.00	9.2	1	2.7	87.3	0.62	0.08	10.65	0.239	1.50	3.1
V340043		54.2	148.5	<0.002	1.41	5.78	10.5	1	4.0	183.0	0.50	0.68	12.95	0.210	2.15	4.6
V340044		193.5	154.5	<0.002	2.02	6.30	11.2	2	5.5	137.5	0.51	1.13	12.70	0.216	2.06	4.2
V340045		1.5	1.0	<0.002	<0.01	0.14	0.2	1	0.2	45.7	<0.05	<0.05	0.12	<0.005	<0.02	0.5
V340046		22.8	103.5	<0.002	0.72	3.46	10.7	1	3.1	250	0.53	0.52	10.35	0.260	1.55	3.9
V340047		48.0	132.0	<0.002	0.75	3.13	11.4	1	3.4	240	0.65	0.52	13.50	0.255	2.02	4.3
V340048		62.0	105.0	<0.002	0.71	3.05	11.0	1	4.1	266	0.61	0.28	10.80	0.259	1.78	4.2
V340049		1335	174.5	<0.002	4.69	64.5	10.1	2	8.1	98.4	0.55	1.24	11.90	0.206	2.67	5.3
V340050		144.0	212	0.002	2.05	7.36	11.9	2	5.6	70.9	0.56	0.64	13.65	0.238	3.20	5.3
V340051		1505	226	<0.002	7.24	60.1	9.5	2	14.6	23.9	0.41	0.58	10.10	0.178	2.57	3.7
V340052		65.5	206	<0.002	2.39	8.33	12.2	1	8.4	61.3	0.57	0.38	13.30	0.239	2.84	6.3



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145110

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		V	W	Y	Zn	Zr	Au
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V340017		73	3.5	15.1	311	27.1	0.036
V340018		65	6.2	9.6	287	21.2	0.264
V340019		78	1.2	15.2	276	27.5	0.008
V340020		68	4.9	15.8	384	31.5	0.094
V340021		63	2.5	14.1	444	115.0	0.017
V340022		56	5.6	8.7	8610	19.4	1.405
V340023		71	7.6	7.5	227	25.8	0.210
V340024		71	7.6	7.4	326	25.8	0.200
V340025		53	4.6	12.4	1660	76.4	1.705
V340026		57	4.3	12.8	262	116.0	0.642
V340027		51	7.9	9.9	3020	37.9	1.875
V340028		49	1.8	11.2	198	68.8	0.021
V340029		55	2.9	12.4	275	70.6	0.089
V340030		45	1.7	10.3	321	63.5	0.024
V340031		51	4.7	14.2	2330	72.3	0.925
V340032		2	0.1	0.7	22	<0.5	<0.005
V340033		76	4.6	13.1	326	27.1	0.259
V340034		75	5.3	13.4	262	25.6	0.088
V340035		68	5.7	12.4	934	30.4	0.353
V340036		75	1.4	16.9	103	30.7	0.038
V340037		53	2.6	12.5	221	24.8	0.747
V340038		73	2.1	16.5	155	30.8	0.042
V340039		69	2.3	14.5	132	31.0	0.226
V340040		58	4.6	11.9	3540	24.8	0.887
V340041		62	5.1	12.4	3520	26.1	0.864
V340042		64	1.7	15.3	67	26.6	0.038
V340043		66	2.0	14.8	131	28.7	0.080
V340044		66	3.9	12.8	363	30.3	0.192
V340045		1	0.1	0.8	16	<0.5	<0.005
V340046		72	2.3	13.9	50	30.6	0.046
V340047		71	3.1	15.6	97	29.6	0.063
V340048		71	4.4	15.0	150	29.8	0.037
V340049		61	6.0	12.5	2420	30.5	0.900
V340050		70	4.8	14.2	371	33.8	0.170
V340051		58	8.7	9.3	3830	25.8	1.325
V340052		70	5.8	14.7	121	30.0	0.768



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145110

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-06
CRU-QC	LOG-21	LOG-21d
ME-MS61	ME-OG62	PUL-31
PUL-QC	SPL-21	SPL-21d

CRU-31
LOG-23
PUL-31d
WEI-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

CERTIFICATE VA17145113

Project: Klaza

P.O. No.: 17-035

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

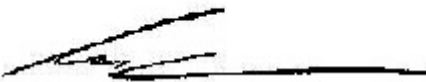
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145113

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V340761		2.36		14.70	6.61	207	1020	1.61	5.75	1.60	6.44	49.6	10.5	19	18.15	979
V340762		5.46		0.24	8.16	16.3	1330	1.75	0.22	1.70	0.43	47.4	7.2	13	19.05	4.2
V340763		3.98		1.03	7.74	119.5	1570	1.43	1.44	1.14	9.34	52.8	5.6	15	14.70	36.6
V340764		4.10		4.32	7.13	281	900	1.47	1.95	1.69	31.8	47.8	5.6	13	14.70	246
V340765		8.88		2.30	6.99	46.8	950	1.75	0.58	3.03	37.0	39.4	4.8	23	8.00	107.5
V340766		7.48		0.28	7.18	13.5	2440	1.71	0.15	2.48	0.94	41.0	6.2	17	10.10	26.3
V340767		10.48		0.25	7.27	15.2	1560	1.71	0.23	2.56	1.09	45.8	4.7	16	8.11	6.4
V340768		3.90		0.24	7.45	11.7	1840	1.78	0.22	2.44	1.20	42.9	4.8	17	9.02	11.5
V340769		3.06		4.84	6.91	74.7	690	1.69	4.87	1.94	72.0	40.7	5.2	16	6.93	198.5
V340770		6.66		0.39	7.44	30.4	1050	1.74	0.46	3.23	1.64	42.8	5.3	17	8.56	14.1
V340771		3.08		4.55	7.18	106.5	1350	1.55	1.70	1.43	30.0	49.9	8.0	19	31.9	680
V340772		9.26		0.43	8.02	10.4	2500	1.35	0.10	1.08	0.66	44.2	7.6	12	13.15	10.8
V340773		5.82		0.69	7.07	54.6	1900	1.32	0.60	1.53	4.38	39.6	6.0	13	16.95	13.5
V340774		0.34		10.05	6.59	1820	250	1.45	6.51	1.90	41.8	45.5	17.7	21	16.80	113.0
V340775		7.66		1.98	7.39	51.5	1810	1.38	1.78	1.65	9.09	45.7	6.0	14	20.3	16.2
V340776		4.80		1.77	7.41	356	1330	1.55	1.85	1.53	23.2	47.8	5.5	14	19.40	35.6
V340777		6.08		0.01	0.08	0.7	30	0.06	0.04	21.1	0.13	1.43	0.7	1	0.19	2.1
V340778		4.38		0.37	6.92	52.6	1660	1.77	0.31	2.72	3.34	66.5	6.8	19	22.1	8.6
V340779		8.36		0.37	7.11	10.3	2020	1.50	0.59	2.58	0.68	43.3	7.9	13	17.30	13.8
V340780		5.52		1.02	7.19	89.5	2050	1.37	1.53	2.37	4.71	46.7	7.0	14	14.65	18.0
V340781		8.12		0.12	7.33	5.1	2480	1.39	0.13	2.36	0.27	45.3	6.7	12	14.80	9.2
V340782		14.40		0.12	7.52	6.6	2430	1.31	0.15	2.35	0.19	50.0	6.7	11	11.90	11.1
V340783		6.92		0.18	6.77	19.3	1950	1.41	0.20	2.59	0.57	42.6	5.5	13	19.90	10.8
V340784		<0.02		0.20	7.24	19.6	2070	1.51	0.20	2.75	0.56	46.2	5.8	14	20.7	11.2
V340785		4.22		9.32	6.89	464	470	1.55	12.25	1.96	75.2	53.8	6.2	12	20.6	213
V340786		3.02	1.065	23.3	5.10	2050	80	1.18	21.2	3.02	148.5	38.5	6.0	12	11.25	429
V340787		6.08		0.06	0.08	2.0	40	0.05	0.07	20.7	0.34	1.27	0.7	1	0.19	1.9
V340788		4.38		1.61	6.89	64.1	1750	1.45	0.48	2.08	5.57	46.0	6.1	13	20.2	12.6
V340789		9.72		0.12	7.20	9.9	2250	1.44	0.13	2.54	0.32	42.7	5.6	13	15.35	3.3
V340790		6.88		0.09	7.13	10.5	2350	1.52	0.12	2.68	0.12	46.6	6.0	15	14.75	6.1
V340791		13.86		0.11	7.06	8.4	2340	1.47	0.15	2.32	0.36	44.3	6.2	16	13.90	3.2
V340792		10.68		0.64	7.11	83.6	2060	1.42	0.47	2.04	5.46	50.3	5.7	12	19.80	32.3
V340793		7.86		0.56	6.84	18.9	1620	1.45	0.30	2.85	4.55	47.1	6.2	15	16.20	13.9
V340794		11.40		0.32	6.76	24.1	3080	1.44	0.16	3.09	0.78	50.3	7.1	11	21.4	8.1
V340795		0.34		40.4	5.63	2490	120	1.07	38.7	1.63	45.5	37.0	17.4	22	10.50	1180
V340796		8.14		0.26	6.91	14.7	1550	1.15	0.18	2.65	1.37	45.3	5.9	16	9.89	6.7



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS VA17145113

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
V340761		9.20	14.10	0.13	0.9	1.030	2.90	26.5	13.3	1.02	8280	3.32	0.03	6.1	3.9	690
V340762		4.32	16.50	0.11	1.7	0.223	2.13	20.5	37.3	0.77	2260	0.92	0.04	7.8	3.3	1010
V340763		3.70	16.30	0.12	0.9	0.407	3.00	28.0	47.3	0.51	1030	1.42	0.08	7.6	2.3	590
V340764		5.09	14.40	0.13	0.9	0.760	3.23	25.7	12.9	0.74	2000	1.41	0.04	6.5	2.5	540
V340765		3.05	15.05	0.12	0.9	1.505	1.77	18.8	14.5	0.69	772	1.43	1.89	7.0	2.3	580
V340766		3.02	15.55	0.11	1.0	0.059	2.74	21.1	20.9	0.79	609	1.08	2.15	7.9	2.8	600
V340767		2.82	15.25	0.12	1.0	0.067	2.37	22.9	19.1	0.83	681	1.03	1.89	7.9	2.5	590
V340768		2.88	15.55	0.12	1.1	0.060	2.52	21.5	21.2	0.80	599	1.05	2.09	7.8	2.5	580
V340769		3.91	14.15	0.13	0.9	1.940	3.13	18.9	10.9	0.88	2770	0.89	0.05	6.1	1.9	530
V340770		2.74	15.40	0.11	1.0	0.108	2.18	21.3	14.6	0.81	814	1.07	1.32	7.8	2.4	600
V340771		3.95	15.35	0.13	1.0	1.375	2.45	24.6	40.8	0.62	863	0.89	0.07	6.9	3.4	690
V340772		2.87	16.00	0.11	1.3	0.047	3.21	22.5	31.5	0.53	506	1.83	0.21	9.0	2.7	670
V340773		3.03	15.25	0.13	1.1	0.124	2.97	19.9	24.2	0.51	1020	1.77	0.08	8.2	2.2	580
V340774		5.26	14.30	0.13	1.2	0.907	2.92	23.2	23.9	0.69	2010	11.80	0.27	7.9	15.1	500
V340775		3.60	16.10	0.13	1.0	0.159	3.12	23.1	32.9	0.65	1520	4.35	0.07	8.2	2.2	620
V340776		3.89	15.65	0.12	1.0	0.523	3.20	25.5	41.2	0.61	1640	2.16	0.06	7.8	2.0	600
V340777		0.48	0.26	0.16	<0.1	0.005	0.03	0.7	0.9	12.85	210	0.16	<0.01	0.2	1.6	190
V340778		3.01	16.45	0.14	3.4	0.139	2.53	34.5	66.9	1.17	1320	0.99	0.05	10.3	6.6	1190
V340779		3.49	15.85	0.10	1.2	0.072	2.76	20.8	22.8	0.79	895	1.86	1.64	8.3	2.2	610
V340780		3.62	15.00	0.11	1.0	0.165	2.94	23.4	17.5	0.74	883	1.62	1.53	7.9	2.1	590
V340781		3.00	15.40	0.11	0.9	0.054	2.82	22.8	17.7	0.79	564	1.36	2.23	8.4	2.1	610
V340782		2.97	14.90	0.12	1.0	0.051	2.87	25.5	14.7	0.83	612	1.25	2.34	8.0	2.1	590
V340783		2.83	14.80	0.12	1.1	0.096	3.05	21.2	46.3	0.67	1010	1.93	0.97	7.8	1.9	560
V340784		3.00	15.15	0.11	1.1	0.091	3.20	23.4	49.9	0.72	1080	2.54	1.03	8.1	1.9	590
V340785		5.41	14.65	0.10	0.9	1.450	2.99	29.6	22.9	0.83	3030	1.82	0.03	7.0	2.1	510
V340786		5.35	11.15	0.08	0.7	2.42	2.37	20.1	15.2	1.07	2240	5.68	0.02	5.1	1.9	370
V340787		0.47	0.23	0.14	<0.1	0.010	0.03	0.6	0.9	12.70	209	0.09	0.01	0.2	1.4	190
V340788		3.67	15.15	0.11	1.0	0.175	3.00	23.4	39.2	0.66	1360	2.80	0.72	8.1	2.0	550
V340789		2.64	15.10	0.10	1.0	0.045	2.96	22.2	11.8	0.70	583	2.50	2.12	8.3	2.0	600
V340790		2.67	15.85	0.13	1.0	0.038	2.78	23.4	15.0	0.71	544	3.33	2.40	8.5	2.2	580
V340791		2.41	15.85	0.12	0.9	0.038	2.89	23.3	16.2	0.61	468	4.11	1.95	8.3	2.2	570
V340792		2.83	15.50	0.12	0.9	0.174	3.09	27.9	55.4	0.62	461	3.20	0.51	8.2	2.2	590
V340793		2.93	14.85	0.11	1.0	0.178	2.49	24.5	90.3	0.94	760	1.39	0.21	7.7	2.0	540
V340794		2.85	14.60	0.11	0.9	0.061	2.57	26.3	72.2	0.91	879	1.53	0.09	8.0	2.2	580
V340795		8.99	13.20	0.08	0.8	1.515	2.60	19.3	16.2	0.65	2240	16.95	0.06	4.6	13.8	440
V340796		2.68	14.70	0.10	1.1	0.099	2.09	23.8	81.6	0.80	949	1.97	0.07	8.2	2.0	590



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145113

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	0.01	0.005	0.1
V340761		152.0	152.5	<0.002	1.63	192.5	10.9	1	7.8	51.2	0.47	0.10	11.05	0.221	7.1
V340762		31.5	83.4	<0.002	0.21	27.6	13.8	1	5.4	71.7	0.57	0.05	9.77	0.340	4.4
V340763		65.5	148.5	<0.002	1.60	19.85	11.8	1	3.9	77.9	0.58	<0.05	13.75	0.240	4.8
V340764		449	194.5	<0.002	2.90	43.6	10.5	1	4.6	50.5	0.49	0.05	12.00	0.217	3.8
V340765		341	75.2	<0.002	1.03	4.33	10.5	1	2.9	298	0.54	0.05	10.45	0.234	3.3
V340766		38.2	98.3	<0.002	0.09	2.73	10.8	1	1.5	383	0.61	<0.05	11.30	0.250	3.4
V340767		87.4	103.0	<0.002	0.19	3.28	11.0	1	2.1	336	0.63	0.05	12.45	0.247	4.0
V340768		93.9	101.5	<0.002	0.15	2.93	10.8	1	2.4	379	0.63	<0.05	12.75	0.237	4.0
V340769		306	197.5	<0.002	1.42	5.19	10.3	1	3.9	42.3	0.49	0.17	12.70	0.184	3.7
V340770		38.4	122.5	<0.002	0.35	5.62	11.5	1	3.0	214	0.61	0.08	12.55	0.241	3.7
V340771		102.5	113.5	<0.002	1.62	22.8	12.1	1	5.4	84.8	0.53	0.12	12.60	0.242	13.2
V340772		33.6	120.5	<0.002	0.04	9.74	11.6	1	1.9	89.4	0.73	<0.05	13.70	0.280	3.3
V340773		155.0	108.5	<0.002	0.56	15.70	9.8	1	1.9	80.9	0.64	<0.05	11.85	0.236	3.2
V340774		1370	153.5	<0.002	3.05	33.7	8.6	1	5.4	150.5	0.57	0.28	11.70	0.206	5.1
V340775		1450	120.0	<0.002	0.40	11.70	10.9	1	2.1	87.2	0.59	<0.05	12.35	0.251	4.3
V340776		372	139.0	<0.002	0.93	9.71	10.2	1	2.5	107.5	0.56	<0.05	13.05	0.246	4.1
V340777		2.7	1.4	<0.002	<0.01	0.17	0.2	1	<0.2	45.3	<0.05	<0.05	0.13	<0.005	0.6
V340778		127.5	93.1	<0.002	0.18	10.15	6.4	1	1.5	392	0.61	<0.05	9.67	0.320	6.8
V340779		43.5	103.5	<0.002	0.09	3.31	12.2	1	1.9	293	0.65	<0.05	11.55	0.269	3.4
V340780		254	117.5	<0.002	0.55	2.99	10.4	1	2.0	266	0.57	<0.05	12.00	0.246	3.2
V340781		34.7	105.5	<0.002	0.01	1.81	10.5	1	1.7	354	0.57	<0.05	12.35	0.249	2.8
V340782		19.4	108.5	<0.002	0.02	1.64	10.0	1	1.5	369	0.57	<0.05	13.35	0.249	2.9
V340783		39.9	115.0	<0.002	0.10	3.90	9.2	1	1.6	226	0.60	<0.05	12.75	0.235	3.8
V340784		43.5	120.0	<0.002	0.11	3.93	9.6	1	1.7	241	0.61	<0.05	13.25	0.250	4.0
V340785		866	178.0	<0.002	2.81	13.85	9.7	1	4.0	74.1	0.51	0.08	13.40	0.216	4.7
V340786		2450	139.0	<0.002	4.74	38.6	7.6	1	4.1	85.8	0.39	0.25	9.49	0.165	4.4
V340787		5.7	1.5	<0.002	<0.01	0.20	0.2	1	<0.2	42.5	<0.05	<0.05	0.10	<0.005	0.4
V340788		189.5	142.0	<0.002	1.30	13.30	9.7	1	2.6	185.5	0.61	<0.05	12.75	0.233	4.0
V340789		39.4	115.0	<0.002	0.06	2.11	10.0	1	1.5	319	0.61	<0.05	11.75	0.245	3.7
V340790		15.5	101.5	<0.002	0.05	1.84	10.4	1	1.9	365	0.63	<0.05	12.25	0.245	4.1
V340791		20.4	110.5	<0.002	0.06	3.01	10.0	1	1.6	296	0.61	<0.05	12.00	0.246	3.9
V340792		97.8	125.0	<0.002	0.27	5.28	10.3	1	2.4	152.5	0.59	<0.05	11.90	0.246	4.4
V340793		188.0	92.9	<0.002	0.18	11.45	10.0	1	1.5	182.5	0.55	<0.05	12.80	0.233	3.4
V340794		30.6	89.9	<0.002	0.13	12.70	10.7	1	1.5	176.0	0.57	<0.05	12.80	0.236	3.8
V340795		1610	147.5	0.002	7.54	103.5	8.1	2	9.8	62.8	0.36	0.69	9.44	0.159	5.5
V340796		43.3	70.0	<0.002	0.21	12.65	9.8	1	1.4	195.5	0.60	<0.05	13.10	0.241	2.7



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145113

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		V	W	Y	Zn	Zr	Au
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V340761		77	11.8	12.1	920	27.5	0.220
V340762		111	6.8	14.8	101	63.2	0.006
V340763		70	3.7	14.5	838	28.3	0.024
V340764		66	3.9	11.1	3450	28.9	0.066
V340765		71	1.2	13.1	4280	24.8	0.244
V340766		71	1.4	15.2	127	28.9	<0.005
V340767		68	1.9	16.3	150	29.6	0.005
V340768		68	1.6	16.2	167	31.0	<0.005
V340769		57	2.7	11.7	4990	25.4	0.239
V340770		73	1.5	16.8	175	28.2	0.005
V340771		74	4.0	16.9	3560	30.6	0.054
V340772		76	4.4	16.0	117	37.3	<0.005
V340773		68	4.7	13.5	388	33.2	0.028
V340774		58	4.7	11.4	3110	39.7	0.830
V340775		70	5.7	13.6	738	30.0	0.077
V340776		67	4.6	12.8	1710	29.2	0.392
V340777		2	0.1	0.8	22	<0.5	<0.005
V340778		62	2.7	12.2	324	151.0	0.033
V340779		85	2.6	15.9	97	34.2	0.008
V340780		69	2.6	14.7	420	30.1	0.083
V340781		71	1.5	15.7	59	29.4	<0.005
V340782		69	1.3	16.4	54	30.1	<0.005
V340783		65	1.9	14.3	87	33.0	0.008
V340784		70	2.2	15.0	94	32.6	0.006
V340785		61	5.0	12.3	5090	27.2	8.98
V340786		48	4.1	8.9	>10000	21.5	6.50
V340787		2	0.1	0.8	36	<0.5	0.008
V340788		64	3.5	13.6	445	29.8	0.072
V340789		70	1.6	14.6	62	29.5	<0.005
V340790		70	1.3	15.7	42	31.3	0.005
V340791		70	1.7	14.6	60	29.7	<0.005
V340792		69	3.8	14.0	669	27.8	0.022
V340793		66	3.9	15.1	317	28.8	0.012
V340794		67	3.5	17.2	93	29.6	0.006
V340795		56	6.6	9.4	3310	23.2	1.765
V340796		65	8.1	12.6	145	31.3	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 24-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145113

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
ME-OG62	PUL-31	PUL-31d
SPL-21	SPL-21d	WEI-21

CRU-QC
ME-MS61
PUL-QC
Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

CERTIFICATE VA17145114

Project: Klaza

P.O. No.: 17-037

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND 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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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145114

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V339721		7.72	0.22	7.50	37.9	2030	2.20	0.32	3.36	8.01	54.0	8.7	20	19.45	94.6	3.30
V339722		2.58	0.17	7.52	38.5	1940	2.10	0.27	3.27	5.49	60.9	8.3	19	19.90	67.5	3.04
V339723		7.60	0.08	7.23	16.1	2560	2.08	0.16	3.22	1.81	54.3	7.7	21	20.2	19.3	2.90
V339724		2.18	10.80	8.07	49.5	1140	1.66	21.6	0.93	4.09	55.2	8.7	13	19.80	123.5	4.62
V339725		7.14	0.47	8.12	15.8	2070	1.69	1.18	1.83	4.44	50.1	8.0	15	16.05	70.8	3.56
V339726		4.74	0.72	7.60	23.6	270	1.52	2.79	0.76	4.55	52.5	11.2	17	13.00	74.2	6.32
V339727		5.00	0.88	6.94	28.9	120	1.30	2.91	0.51	3.25	42.4	8.1	20	8.51	67.0	9.11
V339728		7.50	0.40	7.42	17.9	1870	1.59	1.31	2.15	1.19	43.1	6.3	16	17.30	28.6	3.50
V339729		0.34	41.9	5.76	2650	160	1.09	37.6	1.66	42.9	36.0	16.9	22	10.00	1195	9.20
V339730		5.38	0.54	7.23	31.2	1440	1.63	1.33	2.48	0.41	49.2	6.4	18	18.75	57.6	3.42
V339731		6.46	0.77	7.03	27.2	200	1.26	3.33	0.92	2.80	41.8	7.5	16	7.95	26.0	6.58
V339732		<0.02	0.77	7.24	24.2	520	1.28	3.60	0.94	2.73	45.7	7.6	14	8.01	26.4	6.40
V339733		11.40	0.58	7.39	21.7	190	1.55	1.96	1.70	1.21	47.3	7.6	13	14.55	29.8	5.73
V339734		8.04	1.02	7.75	40.4	260	1.79	3.02	1.35	10.05	55.3	10.3	15	16.05	52.0	5.57
V339735		6.36	0.83	7.56	25.2	480	1.78	2.60	1.15	6.94	51.1	12.1	12	18.75	55.1	5.10
V339736		6.08	0.01	0.06	0.4	20	0.07	0.04	22.2	0.10	1.27	0.7	1	0.20	1.4	0.50
V339737		11.14	0.67	7.01	20.7	480	1.49	1.56	2.15	1.38	52.9	8.9	16	13.55	45.3	3.99
V339738		5.00	0.90	7.02	25.8	530	1.33	2.36	1.03	3.16	42.0	7.1	11	11.95	76.9	6.20
V339739		10.76	0.61	7.18	43.4	300	1.43	1.69	1.70	2.32	46.5	5.5	15	12.60	134.0	5.13
V339740		12.00	1.04	7.13	39.4	460	1.64	2.67	1.36	2.43	50.4	6.3	14	14.25	55.4	5.57
V339741		12.02	0.95	7.38	69.1	190	1.68	3.19	0.96	5.71	69.1	11.3	13	16.60	241	5.19
V339742		13.04	0.53	7.43	40.4	760	1.57	1.26	2.23	0.68	55.4	5.9	15	16.30	81.2	3.99
V339743		14.70	0.83	7.38	18.8	300	1.48	2.03	1.70	3.28	52.0	7.3	17	12.55	75.1	5.64
V339744		11.92	0.86	7.33	44.6	380	1.38	3.00	1.36	2.51	59.4	9.0	14	11.40	65.6	5.85
V339745		0.32	12.30	6.61	1645	170	1.43	12.20	1.89	32.4	44.3	16.8	19	14.55	294	6.67
V339746		9.04	0.80	7.48	65.6	580	1.59	2.21	1.61	2.70	64.2	10.1	21	15.45	166.5	5.45
V339747		6.50	0.91	6.47	38.3	270	1.02	2.86	0.69	1.22	19.00	7.1	12	3.36	38.0	7.95
V339748		6.00	0.01	0.07	0.2	30	0.07	0.03	21.5	0.07	1.20	0.6	1	0.15	2.4	0.53
V339749		13.10	1.43	7.39	79.5	210	1.47	4.96	1.86	1.26	56.1	6.3	19	13.50	68.0	5.47
V339750		9.60	1.35	7.23	116.0	510	1.32	4.46	1.42	1.44	57.8	11.5	16	9.19	44.8	6.74
V339751		11.86	0.84	7.54	75.3	980	1.54	1.57	2.41	1.42	54.0	7.1	12	15.30	82.2	4.15
V339752		3.36	2.25	6.87	149.0	170	1.13	4.53	1.24	3.95	52.6	12.1	14	5.50	39.8	7.21
V339753		9.24	0.93	7.81	103.5	2190	2.15	1.19	2.60	5.76	56.9	6.9	16	20.5	35.1	2.83
V339754		10.70	0.23	7.66	55.4	2040	1.78	0.20	2.55	0.21	53.4	4.8	6	19.35	6.6	2.75
V339755		2.98	2.60	8.08	169.0	380	1.82	3.57	1.76	5.13	53.4	6.5	8	20.6	128.0	4.73
V339756		3.60	1.88	7.23	159.0	890	1.94	1.58	2.51	8.22	45.3	6.3	9	19.40	117.5	3.90



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145114

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10	ppm 0.5
V339721		18.00	0.21	3.3	0.063	2.80	27.5	28.6	1.07	905	1.63	0.18	10.4	6.5	1170	41.4
V339722		18.50	0.20	3.6	0.049	2.79	31.2	28.7	1.06	813	1.35	0.16	10.7	6.2	1160	30.8
V339723		18.45	0.18	3.5	0.041	2.77	27.3	23.1	1.02	762	1.09	0.42	10.7	6.4	1160	14.9
V339724		16.50	0.19	1.1	0.190	3.22	30.8	26.4	0.46	654	2.15	0.08	7.2	2.7	620	110.5
V339725		16.15	0.17	1.1	0.118	3.20	26.9	23.3	0.69	740	1.52	0.54	7.3	2.4	620	34.8
V339726		13.30	0.20	0.9	0.263	3.48	29.3	8.3	0.54	761	1.80	0.06	4.9	2.5	530	31.1
V339727		11.10	0.19	0.9	0.225	3.22	21.8	7.8	0.45	774	2.48	0.07	4.2	2.6	500	35.7
V339728		15.40	0.19	1.0	0.093	3.03	22.4	32.9	0.70	762	3.53	0.12	7.1	1.8	590	31.8
V339729		13.60	0.14	0.8	1.595	2.65	18.9	15.4	0.67	2350	17.15	0.06	4.7	14.3	450	1670
V339730		15.35	0.17	1.0	0.124	3.19	26.6	16.1	0.72	1060	1.87	0.58	7.1	1.9	550	32.6
V339731		10.70	0.15	0.9	0.180	3.26	21.8	8.2	0.53	858	1.93	0.08	4.2	2.6	510	23.4
V339732		11.20	0.17	0.9	0.177	3.33	24.5	8.5	0.55	850	1.90	0.08	4.7	2.5	520	22.8
V339733		13.70	0.18	0.9	0.183	3.39	25.1	16.5	0.69	803	3.39	0.11	5.8	2.1	540	35.7
V339734		15.45	0.19	1.0	0.360	3.46	29.6	13.1	0.71	1350	2.68	0.06	6.5	2.6	600	48.5
V339735		14.25	0.18	0.9	0.242	3.39	29.0	12.3	0.62	745	2.38	0.05	5.0	2.4	540	49.1
V339736		0.21	0.14	<0.1	0.005	0.03	0.7	1.0	13.70	224	0.16	<0.01	0.1	1.0	170	1.3
V339737		13.25	0.10	1.0	0.198	2.84	29.1	14.4	0.80	660	2.97	0.49	6.1	6.2	530	82.5
V339738		11.80	0.08	0.9	0.218	3.15	22.3	12.9	0.57	751	3.11	0.06	5.4	3.8	530	64.7
V339739		12.50	0.09	0.9	0.136	3.01	25.0	23.3	0.74	792	5.13	0.07	5.7	2.6	550	37.0
V339740		12.85	0.10	0.8	0.168	3.08	28.3	15.0	0.68	949	5.96	0.05	5.8	2.6	520	58.2
V339741		13.85	0.12	0.9	0.189	3.38	38.9	11.3	0.57	608	3.09	0.06	5.4	3.3	520	47.3
V339742		14.55	0.10	0.9	0.192	2.96	30.1	14.0	0.87	610	1.79	0.74	6.6	2.7	630	30.6
V339743		12.70	0.11	0.9	0.124	3.24	27.9	13.3	0.73	586	3.90	0.07	5.3	2.8	550	68.1
V339744		14.10	0.11	0.9	0.172	3.51	32.7	8.2	0.76	649	2.14	0.05	4.3	2.4	540	62.4
V339745		14.60	0.09	1.0	0.813	2.96	23.3	20.3	0.76	1840	8.98	0.13	6.4	12.2	540	1355
V339746		14.05	0.12	1.0	0.192	3.48	37.1	10.1	0.79	667	4.57	0.06	5.0	3.1	600	47.7
V339747		10.50	0.10	0.7	0.066	3.07	8.6	8.4	0.49	366	3.84	0.07	2.6	2.0	470	39.4
V339748		0.19	<0.05	<0.1	0.005	0.03	0.6	1.1	13.55	224	0.11	<0.01	0.1	1.6	180	1.7
V339749		14.40	0.10	1.0	0.249	3.63	29.3	7.3	0.93	1200	2.26	0.05	6.3	2.5	580	71.6
V339750		14.65	0.10	0.8	0.292	3.58	32.1	6.7	0.81	995	3.67	0.05	2.9	2.7	580	98.9
V339751		15.65	0.10	0.9	0.195	3.63	29.6	16.7	0.99	1060	1.51	0.05	5.5	2.4	650	46.7
V339752		14.60	0.12	0.8	0.074	3.31	27.9	7.8	0.70	689	3.73	0.06	3.4	2.7	520	162.0
V339753		18.85	0.12	3.2	0.098	3.07	28.4	93.3	0.92	1260	3.77	0.09	10.7	5.4	1090	150.0
V339754		18.30	0.11	2.3	0.040	2.33	26.8	258	0.87	876	0.94	0.19	9.8	2.2	920	9.2
V339755		16.10	0.10	1.5	0.202	3.30	28.3	66.0	0.73	1360	1.07	0.08	7.0	2.4	680	193.5
V339756		16.55	0.09	1.3	0.190	3.30	23.1	32.5	0.88	2020	1.42	0.05	7.2	2.4	630	309



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145114

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V339721		84.0	<0.002	0.19	11.80	7.4	1	1.6	199.5	0.68	<0.05	8.27	0.310	1.88	6.9
V339722		95.7	<0.002	0.14	11.45	7.5	1	1.6	191.5	0.71	<0.05	9.08	0.312	1.88	6.3
V339723		89.4	<0.002	0.09	11.10	7.3	1	1.4	223	0.71	<0.05	7.93	0.309	1.85	4.4
V339724		145.0	<0.002	1.62	14.90	10.4	2	6.4	101.0	0.53	0.39	12.25	0.232	2.03	8.7
V339725		126.0	<0.002	1.11	12.60	11.0	2	2.5	169.0	0.56	0.20	13.10	0.242	1.91	4.5
V339726		161.0	<0.002	4.22	4.86	9.9	3	6.1	50.8	0.35	0.21	12.05	0.164	2.22	6.6
V339727		137.0	<0.002	8.06	5.15	9.0	5	6.5	39.4	0.34	0.17	11.05	0.134	1.74	5.1
V339728		107.0	<0.002	1.45	8.89	10.1	1	2.4	132.5	0.56	0.15	11.55	0.231	1.94	3.8
V339729		150.0	<0.002	7.90	105.0	8.4	2	10.3	63.6	0.37	0.69	8.57	0.160	2.08	5.1
V339730		131.5	<0.002	1.32	7.33	10.2	1	2.6	191.0	0.55	0.18	13.25	0.225	2.17	3.6
V339731		142.5	<0.002	5.72	4.17	9.3	3	6.6	51.5	0.33	0.27	11.05	0.140	1.71	4.4
V339732		148.5	<0.002	5.57	3.99	9.6	3	6.8	53.8	0.36	0.25	11.55	0.156	1.78	4.5
V339733		140.5	<0.002	4.23	4.02	9.9	3	4.7	98.4	0.49	0.17	11.55	0.185	2.09	4.5
V339734		167.5	<0.002	3.22	11.65	11.3	2	4.5	59.7	0.53	0.19	13.45	0.200	2.48	5.2
V339735		170.0	<0.002	3.06	8.48	10.4	2	5.7	76.6	0.42	0.35	12.75	0.169	2.43	6.5
V339736		1.6	<0.002	0.01	0.09	0.2	1	<0.2	48.7	<0.05	<0.05	0.13	<0.005	0.02	0.5
V339737		127.5	<0.002	2.46	8.84	8.7	2	3.9	151.0	0.55	0.29	14.40	0.190	2.03	4.2
V339738		148.0	<0.002	4.74	12.00	8.9	2	4.9	44.9	0.44	0.49	10.85	0.183	2.03	4.5
V339739		128.0	<0.002	3.75	9.68	8.6	2	4.5	91.6	0.47	0.26	11.60	0.186	1.82	4.6
V339740		147.5	<0.002	4.24	11.00	8.9	2	6.6	71.5	0.48	0.33	12.80	0.189	2.27	4.9
V339741		171.0	<0.002	3.83	17.00	9.4	2	6.7	60.3	0.43	0.47	11.80	0.183	2.43	7.4
V339742		137.5	<0.002	2.30	4.97	10.5	2	4.7	162.0	0.52	0.21	11.90	0.222	2.24	5.4
V339743		149.5	<0.002	4.90	4.47	9.7	3	5.4	76.1	0.43	0.43	12.15	0.179	2.13	3.5
V339744		171.0	<0.002	5.36	5.88	9.4	2	5.7	50.0	0.37	0.91	13.60	0.147	2.44	2.9
V339745		161.5	<0.002	4.70	68.0	8.9	2	7.9	96.5	0.54	1.26	10.55	0.210	2.46	5.0
V339746		165.0	<0.002	4.33	8.45	10.0	2	4.7	87.0	0.40	0.49	12.60	0.178	2.47	3.7
V339747		129.5	<0.002	8.31	4.09	8.2	5	9.4	32.4	0.20	0.90	8.19	0.103	1.34	3.5
V339748		1.5	<0.002	0.04	0.08	0.2	1	<0.2	44.5	<0.05	<0.05	0.14	<0.005	0.02	0.8
V339749		171.5	<0.002	4.01	8.38	9.5	1	6.6	88.4	0.50	0.84	12.85	0.218	2.74	5.3
V339750		198.5	<0.002	6.01	6.01	9.0	2	13.1	48.9	0.22	1.15	10.65	0.121	2.62	3.1
V339751		161.0	<0.002	2.46	12.50	10.0	1	5.1	78.3	0.43	0.30	11.60	0.204	3.04	5.7
V339752		164.5	<0.002	7.49	6.97	8.4	3	9.7	53.0	0.27	0.76	10.05	0.131	1.71	2.7
V339753		134.5	0.002	0.75	11.40	6.9	1	2.3	210	0.74	0.05	8.95	0.329	3.05	7.3
V339754		84.7	<0.002	0.24	3.39	5.4	1	1.9	208	0.69	<0.05	8.30	0.337	2.16	4.2
V339755		169.0	<0.002	3.92	10.05	9.0	1	6.4	136.0	0.59	0.45	13.25	0.229	2.88	5.1
V339756		131.5	<0.002	2.41	8.91	9.2	1	4.1	131.5	0.61	0.22	11.75	0.229	3.19	3.2



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145114

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		W	Y	Zn	Zr	Au
		ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V339721		1.6	15.8	430	140.0	<0.005
V339722		1.6	15.7	311	144.5	<0.005
V339723		1.2	13.5	154	146.0	<0.005
V339724		7.2	16.1	273	34.2	0.056
V339725		5.0	16.5	342	29.5	0.026
V339726		14.3	11.2	259	27.5	0.020
V339727		22.4	12.2	246	23.7	0.023
V339728		6.4	14.6	131	25.4	0.016
V339729		7.0	9.1	3460	24.1	1.735
V339730		5.9	14.4	94	27.0	0.015
V339731		30.1	12.5	174	24.6	0.110
V339732		32.3	12.5	172	22.9	0.151
V339733		16.3	14.0	161	25.9	0.014
V339734		13.2	15.8	636	27.9	0.020
V339735		14.2	15.4	633	23.0	0.029
V339736		0.1	0.8	20	<0.5	<0.005
V339737		10.3	14.3	199	25.7	0.017
V339738		18.5	11.5	276	21.9	0.043
V339739		15.6	11.5	204	22.0	0.042
V339740		13.8	11.5	209	22.6	0.056
V339741		12.1	13.4	440	22.7	0.096
V339742		9.2	14.5	126	21.7	0.059
V339743		18.0	13.8	266	22.1	0.022
V339744		15.0	10.7	195	23.7	0.078
V339745		6.0	11.0	2500	30.3	0.915
V339746		14.5	12.7	242	20.7	0.084
V339747		27.9	9.1	79	16.5	0.110
V339748		0.2	0.8	17	<0.5	<0.005
V339749		12.5	11.1	173	29.2	0.130
V339750		11.2	8.7	167	18.9	0.218
V339751		7.5	11.5	183	21.3	0.056
V339752		19.9	9.6	297	21.7	0.380
V339753		3.1	12.9	497	126.0	0.051
V339754		4.1	11.7	110	72.4	<0.005
V339755		14.4	10.7	485	41.3	0.167
V339756		5.6	12.7	763	32.9	0.412



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145114

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
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CERTIFICATE VA17145116

Project: Klaza

P.O. No.: 17-039

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

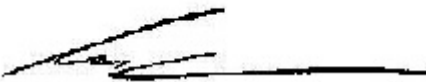
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016 - 510 W HASTINGS STREET
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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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145116

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Ag-OG62 Ag ppm 1	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
V340797		2.18	141	>100	6.49	141.5	540	1.72	2.20	2.20	85.5	44.7	10.8	8	20.6	156.5
V340798		5.90		0.40	7.62	6.6	2380	1.57	0.22	2.11	5.04	40.9	5.9	12	16.30	9.8
V340799		7.78		0.35	7.40	14.5	2160	1.45	0.18	2.43	2.03	42.2	5.8	12	18.65	7.8
V340800		12.70		0.56	7.88	13.5	2360	1.66	0.32	2.62	7.06	55.7	5.8	15	14.75	10.1
V340801		4.98		1.47	7.52	51.6	1420	1.62	1.31	2.41	11.95	51.8	6.4	15	24.1	39.8
V340802		9.66		1.26	7.11	362	1400	1.59	1.08	2.68	7.44	51.3	4.0	16	15.55	15.7
V340803		7.38		0.83	7.75	120.0	1920	1.59	0.51	2.54	6.09	54.8	4.1	13	23.4	14.3
V340804		8.94		0.13	7.54	8.9	2700	1.65	0.13	3.12	0.32	43.3	4.0	12	18.10	3.6
V340805		4.52		1.06	7.28	75.5	1530	1.72	0.85	2.45	7.38	51.3	3.9	12	19.55	29.3
V340806		<0.02		1.04	7.16	68.5	1470	1.69	0.87	2.38	7.42	50.9	3.7	12	19.50	30.2
V340807		13.20		1.08	7.48	43.3	1950	1.76	0.43	2.39	0.98	44.0	5.9	12	29.1	45.1
V340808		4.56		4.42	6.66	212	710	1.51	0.70	2.54	16.70	47.0	3.3	10	17.70	34.2
V340809		4.12		1.99	7.57	112.0	1610	1.84	0.99	2.21	18.25	50.3	4.5	11	20.7	274
V340810		6.98		0.28	7.48	17.8	1290	1.74	0.27	2.46	1.51	42.4	4.1	15	16.55	21.6
V340811		6.04		0.01	0.06	<0.2	30	<0.05	0.01	22.3	0.08	1.09	0.6	1	0.16	2.9
V340812		5.66		0.67	7.58	33.7	2660	1.32	1.01	1.69	2.77	52.0	5.6	17	16.90	10.0
V340813		4.46		0.07	7.00	12.9	1440	1.11	0.09	1.77	0.12	41.1	4.1	13	17.10	2.8
V340814		4.48		1.48	7.09	81.5	1000	1.31	1.07	1.66	13.50	46.3	4.0	12	11.80	35.2
V340815		10.48		1.21	7.06	27.8	1300	1.33	1.61	1.94	2.96	44.1	4.1	13	10.05	13.0
V340816		6.58		2.28	6.90	53.5	560	1.52	2.05	2.39	12.95	42.8	2.5	13	11.35	73.3
V340817		8.00		0.78	6.71	24.4	860	1.84	0.69	3.06	6.31	33.0	1.9	15	15.20	56.8
V340818		5.08		0.17	7.35	19.3	710	1.40	0.14	1.90	0.29	41.7	3.0	13	13.45	22.8
V340819		4.28		1.49	7.38	322	1110	1.75	1.10	1.47	3.12	49.9	3.8	19	15.75	21.6
V340820		0.36		39.5	5.67	2520	420	1.17	35.5	1.67	44.5	37.7	16.5	21	10.05	1150
V340821		4.14		1.65	7.04	129.5	1190	1.56	1.38	1.98	9.30	47.7	3.6	13	15.85	91.8
V340822		6.74		1.28	6.71	113.5	940	1.63	1.92	2.81	1.89	41.8	4.2	13	15.55	103.5
V340823		6.06		0.03	0.07	0.4	20	0.07	0.04	20.4	0.08	1.35	0.7	1	0.17	2.0
V340824		6.80		0.18	6.69	11.3	1490	1.69	0.28	3.41	0.17	38.7	3.8	13	15.40	22.9
V340825		2.36		0.14	6.74	10.2	1470	1.53	0.16	3.36	0.14	38.0	3.9	11	14.30	18.5
V340826		10.94		3.22	7.21	413	680	1.51	3.61	1.87	54.3	45.0	4.6	16	17.90	80.0
V340827		10.08		0.16	6.62	11.1	1110	1.49	0.31	3.51	0.61	38.0	3.5	14	19.85	6.1
V340828		5.42		15.75	6.91	379	710	1.77	43.9	2.01	30.0	43.6	4.1	11	20.5	701
V340829		10.98		0.73	6.75	27.7	860	1.58	0.53	2.45	7.21	37.5	1.7	12	9.15	24.4
V340830		0.36		4.71	6.70	751	350	1.57	3.50	2.13	10.75	46.9	12.4	25	13.60	315
V340831		6.22		0.41	6.85	15.9	1420	1.66	0.55	2.85	1.40	42.5	3.5	13	11.25	18.8
V340832		5.32		0.49	7.99	43.1	2420	1.78	0.93	0.96	7.99	49.6	12.3	18	14.15	30.1



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Page: 2 - B
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Project: Klaza

CERTIFICATE OF ANALYSIS VA17145116

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
V340797		4.23	13.75	0.09	0.8	2.53	2.93	26.2	22.1	0.79	5940	1.46	0.06	6.1	2.6	490
V340798		2.92	16.05	0.10	1.1	0.161	3.04	21.0	19.2	0.58	503	4.99	1.20	8.2	2.2	650
V340799		2.95	16.10	0.09	1.1	0.087	2.91	22.5	81.5	0.66	656	2.71	0.86	8.2	2.6	630
V340800		3.15	16.00	0.11	1.1	0.189	2.92	30.5	19.5	0.80	696	2.08	2.23	8.1	2.4	620
V340801		3.68	15.15	0.08	1.0	0.349	3.08	28.1	35.8	0.93	1400	1.42	0.16	7.4	2.3	600
V340802		3.36	15.40	0.09	1.1	0.264	2.77	26.1	79.5	0.89	1280	3.95	0.05	7.6	2.4	570
V340803		2.85	15.55	0.12	1.0	0.199	3.23	28.1	29.8	0.91	1170	2.81	0.07	7.6	2.4	600
V340804		2.83	16.05	0.09	1.1	0.054	2.93	19.9	37.0	0.61	508	2.20	2.00	8.0	2.4	660
V340805		4.01	15.35	0.10	1.0	0.470	3.19	25.5	36.7	0.88	4420	1.79	0.06	7.2	2.2	590
V340806		3.84	15.00	0.10	1.0	0.456	3.14	25.4	38.7	0.85	4210	1.63	0.06	7.3	2.1	580
V340807		3.39	15.80	0.10	1.2	0.176	3.23	21.9	26.0	0.59	2920	1.60	0.97	7.9	2.3	580
V340808		3.72	14.15	0.09	1.0	0.673	2.94	24.1	15.9	1.01	4300	3.53	0.03	6.8	1.9	480
V340809		3.77	14.80	0.10	1.0	0.547	3.31	27.4	34.7	0.97	2270	1.26	0.04	6.9	2.2	570
V340810		2.77	16.85	0.08	1.0	0.104	3.08	18.1	111.5	0.83	1100	1.12	0.06	7.5	2.6	660
V340811		0.49	0.18	<0.05	<0.1	0.006	0.03	0.5	1.1	13.80	221	0.17	<0.01	0.1	1.5	180
V340812		3.61	15.50	0.10	0.9	0.187	2.38	23.5	96.2	0.78	1280	1.53	0.04	7.4	2.6	640
V340813		2.53	15.85	0.13	1.0	0.043	1.41	19.7	119.5	0.61	626	1.38	0.03	7.5	2.2	600
V340814		3.02	15.00	0.12	0.9	0.448	2.90	21.2	46.0	0.69	1760	1.57	0.05	6.9	2.1	530
V340815		2.97	16.40	0.13	0.9	0.197	1.80	19.8	86.0	0.74	1210	1.76	0.05	7.7	2.2	580
V340816		2.84	15.95	0.12	0.9	0.481	2.08	16.6	41.2	0.79	1820	1.64	0.05	7.7	1.7	630
V340817		2.56	16.85	0.15	0.9	0.288	1.35	11.9	52.0	0.76	653	0.98	0.68	8.7	1.8	600
V340818		2.09	16.40	0.16	1.0	0.071	1.67	17.6	63.2	0.61	729	1.56	0.06	7.8	1.8	600
V340819		3.97	16.75	0.15	1.0	0.193	2.75	23.3	89.5	0.65	1760	2.43	0.04	7.7	2.6	560
V340820		9.00	14.35	0.11	0.9	1.515	2.57	19.1	16.6	0.68	2260	17.00	0.06	4.9	14.9	450
V340821		3.59	15.95	0.15	1.1	0.252	3.11	23.1	64.1	0.83	1920	1.96	0.04	7.6	2.3	570
V340822		3.41	16.10	0.17	1.1	0.142	2.01	18.3	26.4	0.68	904	1.49	0.80	7.8	2.3	540
V340823		0.47	0.28	0.30	<0.1	0.006	0.03	0.6	1.1	12.55	218	0.08	<0.01	0.2	1.8	170
V340824		2.47	16.40	0.26	1.2	0.098	2.06	15.8	13.7	0.71	835	1.53	1.87	8.1	2.3	600
V340825		2.52	16.35	0.24	1.2	0.083	1.96	15.6	12.4	0.69	725	1.41	2.03	8.3	2.3	590
V340826		4.04	16.80	0.17	1.1	0.982	2.70	20.0	46.4	0.68	1360	1.63	0.06	7.1	2.3	550
V340827		2.83	15.90	0.18	1.1	0.096	1.82	15.8	36.8	0.63	700	1.56	0.46	7.8	2.1	550
V340828		3.78	15.90	0.15	1.0	0.949	2.65	19.7	40.1	0.69	2460	1.57	0.05	7.0	2.0	560
V340829		2.33	16.55	0.21	1.0	0.309	2.37	14.6	36.0	0.61	1140	1.04	0.72	7.3	1.7	580
V340830		5.13	16.05	0.16	1.2	0.307	3.04	25.8	27.6	0.77	1920	16.30	0.16	6.5	15.7	530
V340831		2.70	15.95	0.21	1.2	0.097	2.01	20.0	13.0	0.64	698	1.58	2.05	7.9	2.4	570
V340832		3.22	17.40	0.17	1.3	0.110	3.32	25.4	20.0	0.40	926	3.45	0.97	8.8	3.4	700



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Page: 2 - C
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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	0.01	0.005	0.1
V340797		1320	152.0	<0.002	2.12	58.6	8.6	1	12.3	81.4	0.47	<0.05	10.40	0.203	7.1
V340798		30.3	102.0	<0.002	0.05	6.32	9.8	1	1.9	212	0.63	<0.05	10.45	0.273	3.2
V340799		23.1	88.6	<0.002	0.12	9.36	10.2	1	1.9	196.5	0.64	<0.05	11.20	0.272	3.5
V340800		102.5	106.0	<0.002	0.16	2.69	10.4	1	1.7	362	0.62	<0.05	13.25	0.267	4.1
V340801		326	134.0	<0.002	0.56	7.14	10.1	1	2.0	109.0	0.57	<0.05	12.60	0.249	4.2
V340802		211	123.0	<0.002	1.32	14.75	9.7	1	3.6	155.5	0.61	0.05	11.45	0.233	4.8
V340803		122.0	157.5	<0.002	0.72	9.72	10.3	1	2.8	103.0	0.59	<0.05	13.05	0.250	6.6
V340804		22.8	99.5	<0.002	0.07	3.23	10.2	1	2.5	347	0.63	<0.05	11.60	0.273	4.3
V340805		142.0	146.5	<0.002	0.67	10.70	9.8	1	3.6	145.5	0.59	<0.05	11.90	0.232	4.5
V340806		135.5	144.0	<0.002	0.63	10.55	9.6	<1	3.6	146.5	0.58	<0.05	12.00	0.230	4.6
V340807		48.3	131.5	<0.002	0.24	12.05	9.8	1	2.4	214	0.64	<0.05	11.45	0.252	4.5
V340808		533	175.5	<0.002	1.67	17.35	9.1	1	4.1	86.2	0.58	<0.05	11.10	0.211	5.6
V340809		431	185.5	<0.002	0.86	73.4	9.9	1	2.4	150.5	0.53	0.06	12.35	0.232	5.4
V340810		30.1	123.5	<0.002	0.22	18.65	10.5	1	2.7	118.0	0.56	<0.05	10.75	0.253	6.3
V340811		2.0	1.2	<0.002	<0.01	0.21	0.1	1	<0.2	46.7	<0.05	<0.05	0.09	<0.005	0.5
V340812		167.5	129.5	<0.002	0.64	18.80	10.0	1	3.0	152.0	0.59	0.06	11.85	0.244	4.3
V340813		10.7	60.0	<0.002	0.13	24.9	9.4	1	1.9	204	0.60	<0.05	10.95	0.240	2.8
V340814		473	171.5	0.003	0.97	13.80	8.7	1	3.5	88.9	0.59	<0.05	11.90	0.215	4.3
V340815		93.2	76.8	<0.002	0.37	8.32	9.7	1	2.8	132.5	0.62	0.08	11.55	0.240	4.0
V340816		320	106.0	0.002	0.54	18.45	10.3	1	4.7	98.2	0.62	0.05	12.05	0.226	3.7
V340817		92.8	48.2	<0.002	0.17	16.75	9.8	1	4.5	169.0	0.69	<0.05	9.94	0.263	4.0
V340818		15.3	70.4	<0.002	0.12	15.50	9.8	2	3.2	81.7	0.64	<0.05	11.90	0.256	3.4
V340819		228	165.0	<0.002	1.63	17.65	10.4	1	4.6	84.5	0.61	<0.05	12.90	0.237	4.1
V340820		1635	146.5	0.003	7.75	106.0	8.1	2	10.8	60.4	0.42	0.69	9.39	0.163	5.3
V340821		203	172.0	<0.002	1.29	22.5	9.9	1	3.4	75.4	0.63	<0.05	13.40	0.234	4.5
V340822		99.1	99.3	0.002	1.44	25.3	9.6	1	3.2	177.5	0.64	<0.05	11.80	0.229	3.6
V340823		1.7	1.4	<0.002	0.01	0.15	0.2	<1	<0.2	42.8	<0.05	<0.05	0.12	<0.005	0.5
V340824		16.4	80.0	0.003	0.07	4.23	9.9	1	2.5	327	0.65	<0.05	10.10	0.250	3.9
V340825		16.7	73.4	<0.002	0.05	3.90	9.9	1	2.6	346	0.67	<0.05	9.99	0.259	3.8
V340826		365	151.5	0.002	2.14	16.35	9.6	1	5.1	80.3	0.61	<0.05	12.80	0.218	3.5
V340827		19.4	68.4	<0.002	0.11	8.15	9.0	1	2.7	163.5	0.66	<0.05	11.25	0.231	3.7
V340828		504	127.0	<0.002	1.35	27.3	9.6	1	3.5	132.5	0.61	0.07	12.45	0.213	3.8
V340829		206	106.0	<0.002	0.26	6.71	9.2	1	3.8	149.0	0.64	<0.05	11.10	0.216	3.6
V340830		498	148.5	0.006	2.76	29.8	9.2	1	5.9	108.0	0.53	0.29	11.45	0.209	4.9
V340831		74.5	84.2	<0.002	0.14	3.42	9.6	1	2.2	330	0.66	<0.05	12.45	0.236	4.1
V340832		99.2	143.5	<0.002	0.07	7.72	10.8	1	2.4	182.5	0.75	0.07	14.20	0.274	3.1



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Page: 2 - D
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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	Au-AA24 Au ppm 0.005
V340797		60	4.2	13.1	8300	23.4	0.415
V340798		74	2.3	14.6	323	30.7	<0.005
V340799		74	3.0	15.7	151	32.2	<0.005
V340800		72	1.3	17.2	566	31.3	0.005
V340801		68	4.4	15.3	909	29.5	0.031
V340802		65	4.2	14.2	560	31.3	0.255
V340803		69	4.6	15.8	469	29.0	0.094
V340804		76	1.6	14.9	66	33.1	<0.005
V340805		65	4.6	14.3	583	29.6	0.073
V340806		64	4.5	14.2	575	30.3	0.076
V340807		69	4.7	14.2	120	34.5	0.018
V340808		62	7.1	10.8	1500	28.7	0.136
V340809		67	3.8	13.9	1400	28.7	0.037
V340810		79	3.9	13.3	163	28.1	0.009
V340811		2	0.1	0.7	18	<0.5	<0.005
V340812		73	4.8	13.7	251	26.5	0.014
V340813		67	5.5	12.2	47	28.5	<0.005
V340814		61	3.3	11.6	1090	25.6	0.045
V340815		64	6.2	12.6	265	25.7	0.074
V340816		64	4.5	13.9	947	24.3	0.081
V340817		63	2.6	13.1	466	25.4	0.006
V340818		69	3.1	13.1	65	27.7	<0.005
V340819		68	3.7	12.6	302	27.7	0.342
V340820		55	7.5	8.8	3370	25.3	1.745
V340821		68	5.0	12.0	757	31.7	0.053
V340822		64	2.2	12.4	176	32.2	0.146
V340823		2	0.1	0.8	16	0.8	<0.005
V340824		75	1.0	13.5	50	33.7	<0.005
V340825		76	1.0	13.9	46	36.9	<0.005
V340826		66	4.5	11.4	3470	30.0	0.167
V340827		65	1.6	12.8	86	30.9	<0.005
V340828		61	2.6	12.3	2070	27.2	0.151
V340829		61	1.7	11.9	519	28.8	0.010
V340830		67	5.7	11.4	902	31.9	0.342
V340831		67	1.6	13.6	150	32.1	0.005
V340832		74	3.5	15.9	777	34.2	0.020



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145116

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-06	CRU-31
CRU-QC	LOG-21	LOG-21d	LOG-23
ME-MS61	ME-OG62	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

CERTIFICATE VA17145117

Project: Klaza

P.O. No.: 17-040

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145117

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Zn-OG62 Zn %	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	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V339981		4.54			1.17	6.65	163.0	1010	1.57	0.28	1.88	17.70	44.1	5.4	12	26.5
V339982		5.82			1.57	6.96	206	1810	1.70	1.08	2.14	22.3	52.9	5.5	16	14.70
V339983		5.74			0.95	6.72	19.4	1750	1.62	0.51	2.15	14.00	37.9	5.3	16	10.80
V339984		2.40		1.340	8.74	6.47	313	240	1.56	10.35	1.55	139.5	52.1	5.7	13	14.45
V339985		4.26			0.97	6.94	25.1	1920	1.69	0.73	2.13	14.40	44.9	5.4	13	14.05
V339986		4.92			1.45	6.54	223	2240	1.56	0.42	2.89	4.40	48.1	4.7	12	21.8
V339987		1.46			1.51	6.49	251	2210	1.61	0.46	2.88	5.58	50.8	5.6	13	20.1
V339988		2.58	171		>100	2.16	2360	60	0.65	36.6	2.22	21.6	17.90	65.3	13	3.37
V339989		4.42			1.46	6.67	88.1	1470	1.35	0.56	1.81	10.75	38.6	5.5	13	18.95
V339990		3.76			0.22	7.09	9.8	2090	1.57	0.17	2.54	0.21	44.9	7.0	17	11.80
V339991		2.62			10.85	5.99	569	110	1.48	7.57	2.39	22.7	41.6	42.1	15	14.95
V339992		6.02			0.03	0.07	0.6	60	0.08	0.04	21.4	0.09	1.18	0.6	1	0.18
V339993		4.06			0.10	7.05	4.2	2150	1.40	0.15	2.62	0.25	46.3	6.7	15	8.44
V339994		3.66			0.20	6.69	12.7	1510	1.53	0.10	2.60	0.21	41.6	5.5	12	18.15
V339995		3.76			0.38	7.05	26.2	2020	1.43	0.18	2.36	1.61	46.6	7.2	12	15.70
V339996		4.24			0.87	6.72	38.8	1120	1.61	0.97	2.39	5.05	37.1	5.8	15	16.35
V339997		0.34			14.05	6.29	1330	470	1.34	12.00	1.78	29.7	43.7	17.8	18	13.60
V339998		7.60			0.36	6.71	14.8	1550	1.63	0.23	2.92	0.74	28.7	11.2	15	16.85
V339999		4.06			0.09	7.07	8.7	2200	1.61	0.10	2.69	0.12	41.6	7.6	13	20.4
V340000		2.28			2.37	7.30	168.0	320	1.56	2.11	1.45	8.33	50.0	7.4	18	16.35
V340001		4.76			0.17	7.33	20.0	2470	2.04	0.18	2.02	0.51	69.3	5.3	16	20.7
V340002		4.18			0.12	7.64	32.6	830	1.79	0.14	1.64	0.20	71.3	7.8	25	20.3
V340003		3.12			8.62	7.05	328	250	1.43	1.28	0.37	89.9	47.6	6.5	13	13.20
V340004		3.78			1.47	7.28	52.8	2240	1.47	0.28	2.23	14.10	48.0	10.6	19	16.80
V340005		<0.02			1.60	7.44	57.8	2260	1.54	0.30	2.27	14.75	48.8	14.1	21	16.95
V340006		4.70			1.66	7.35	40.2	1540	1.47	2.73	2.64	3.97	46.4	6.3	19	15.75
V340007		3.86			28.9	6.39	348	200	1.42	34.2	2.65	46.3	41.2	16.7	15	13.30
V340008		6.48			0.04	0.05	<0.2	40	0.06	0.07	21.1	0.10	1.19	0.8	1	0.20
V340009		8.92			0.18	7.68	7.1	2180	1.51	0.17	2.88	0.41	56.1	6.8	22	7.41
V340010		2.24			1.90	7.32	108.5	2020	1.52	0.88	2.37	14.65	54.7	6.4	15	10.85
V340011		0.34			10.00	6.63	1630	230	1.60	6.33	1.91	41.3	42.9	18.8	21	16.70
V340012		4.62			1.30	7.21	59.7	3360	1.63	0.92	2.22	8.37	36.4	4.0	16	14.05
V340013		3.32	102		>100	4.51	895	3360	0.98	158.5	0.68	44.4	21.6	18.6	19	5.67
V340014		4.76			1.09	7.37	87.1	1660	1.61	0.76	2.26	5.68	47.0	5.5	16	17.40
V340015		4.04			8.77	7.07	551	180	1.60	14.15	1.66	24.0	44.2	6.7	14	13.25
V340016		3.68			0.80	7.36	40.5	1910	1.60	0.86	2.27	3.49	50.5	6.4	16	12.35



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145117

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
V339981		12.1	2.68	14.90	0.11	1.0	0.130	2.70	21.8	58.1	0.62	1700	2.73	0.03	7.5	2.8
V339982		17.8	3.15	15.20	0.11	0.9	0.472	3.04	27.2	65.7	0.85	1440	2.80	0.04	7.0	2.2
V339983		9.5	2.67	15.20	0.10	0.9	0.121	3.35	16.4	63.8	0.58	1220	4.58	0.05	7.2	2.2
V339984		186.0	4.96	14.45	0.11	0.9	4.78	2.60	26.3	57.7	0.66	2170	7.05	0.03	7.7	2.6
V339985		15.0	3.22	15.40	0.12	1.0	0.199	3.27	22.3	15.5	0.61	961	3.16	0.96	8.0	2.3
V339986		23.1	2.94	13.80	0.11	0.9	0.157	2.81	25.6	39.1	0.89	2370	3.03	0.03	7.2	2.2
V339987		30.8	2.92	14.05	0.12	1.0	0.170	2.75	27.4	44.0	0.85	2160	2.98	0.03	7.4	3.3
V339988		2590	12.30	5.36	0.07	0.2	1.630	1.02	8.0	27.0	0.35	1360	5.75	0.02	1.8	3.5
V339989		30.5	3.08	15.30	0.11	1.0	0.179	2.89	18.8	73.6	0.48	1260	2.09	0.09	8.0	2.1
V339990		7.2	2.90	15.20	0.13	1.0	0.041	2.72	22.7	26.0	0.69	574	2.68	1.59	8.0	2.6
V339991		52.2	7.90	12.70	0.09	0.8	0.248	2.80	21.7	10.9	0.74	2470	1.94	0.03	5.8	3.1
V339992		3.5	0.46	0.22	0.15	<0.1	0.005	0.03	0.6	1.1	13.15	205	0.09	0.01	0.2	1.5
V339993		8.5	2.84	15.80	0.15	1.0	0.035	2.59	24.7	8.3	0.70	518	2.22	2.06	7.7	5.3
V339994		8.6	2.74	15.60	0.13	1.0	0.063	2.87	19.9	37.7	0.69	1370	1.57	1.01	7.5	2.5
V339995		18.3	2.87	15.90	0.14	1.0	0.112	3.15	23.7	64.3	0.64	1160	1.24	0.74	8.1	2.1
V339996		26.1	2.97	15.35	0.13	1.0	0.378	2.72	18.4	38.0	0.69	1480	1.35	0.59	6.9	2.9
V339997		279	6.29	14.75	0.12	1.0	0.754	2.80	22.9	18.0	0.73	1780	8.40	0.12	6.1	11.6
V339998		9.0	2.47	15.75	0.11	1.0	0.060	2.64	13.7	68.6	0.71	817	1.27	1.20	7.2	2.5
V339999		10.0	2.99	15.85	0.11	1.1	0.039	2.74	21.0	24.0	0.69	565	2.50	2.21	8.1	2.4
V340000		107.5	4.11	15.80	0.12	1.0	0.357	3.70	26.0	30.3	0.58	1240	3.45	0.08	6.9	3.0
V340001		10.3	2.34	19.35	0.12	3.9	0.029	2.61	36.3	189.5	0.71	514	2.34	0.04	11.3	4.7
V340002		13.5	2.72	19.20	0.12	4.4	0.036	2.58	37.3	81.3	1.00	525	3.24	0.05	12.1	8.2
V340003		71.6	6.26	15.25	0.10	1.0	0.960	3.40	25.7	5.9	0.41	2220	1.48	0.03	6.8	2.6
V340004		35.6	3.35	15.25	0.12	1.0	0.243	3.11	26.2	18.0	0.69	1080	1.85	1.30	7.2	2.4
V340005		36.0	3.54	15.55	0.12	1.0	0.265	3.28	26.6	17.9	0.71	1160	2.16	1.28	7.5	2.4
V340006		149.5	3.51	15.55	0.11	1.0	0.176	3.14	23.0	22.9	0.76	1140	8.80	0.87	7.1	2.6
V340007		2390	5.01	14.25	0.10	0.9	3.23	2.98	21.4	18.5	0.83	1900	3.24	0.08	6.4	2.3
V340008		5.9	0.47	0.19	0.13	<0.1	0.009	0.02	0.6	1.0	12.90	203	0.10	<0.01	0.1	1.5
V340009		9.6	3.07	15.75	0.16	1.1	0.047	2.66	30.3	9.4	0.81	652	4.43	2.33	7.8	2.8
V340010		38.7	3.75	16.25	0.13	1.1	0.312	2.82	28.8	11.9	0.80	1220	5.57	1.41	7.7	2.3
V340011		117.5	5.27	15.25	0.11	1.3	0.917	2.95	21.9	26.4	0.70	2050	11.60	0.27	7.7	15.6
V340012		42.3	2.20	15.70	0.10	1.2	0.196	3.47	16.8	24.3	0.82	1620	3.09	0.03	7.4	2.0
V340013		2170	9.18	10.50	0.09	0.7	5.19	2.15	9.4	16.3	0.33	1300	7.97	0.01	4.3	3.4
V340014		51.8	3.29	16.15	0.11	1.1	0.233	3.47	24.0	90.9	0.63	2000	2.02	0.34	8.1	2.2
V340015		112.0	6.41	15.10	0.10	1.1	0.711	3.16	22.6	28.5	0.65	1520	1.70	0.70	7.0	2.1
V340016		49.7	3.47	16.10	0.10	1.0	0.094	3.34	26.0	31.5	0.74	1100	3.34	1.17	7.9	2.7



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145117

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
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	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 0.01	% 0.005	ppm 0.02
V339981		530	248	119.5	<0.002	1.03	17.30	9.1	1	2.2	91.0	0.54	<0.05	11.70	0.222	2.51
V339982		540	341	135.5	<0.002	0.62	8.48	10.0	1	2.3	115.5	0.52	0.07	13.15	0.214	2.43
V339983		600	378	126.5	<0.002	0.37	6.67	9.8	1	2.5	94.6	0.54	0.06	10.90	0.220	2.57
V339984		600	846	130.5	<0.002	2.95	26.7	12.2	1	4.6	138.0	0.55	0.06	10.70	0.245	2.27
V339985		580	369	147.0	<0.002	0.37	5.23	10.8	1	2.2	168.5	0.58	<0.05	12.85	0.230	2.06
V339986		530	287	146.5	<0.002	0.90	21.9	9.6	1	2.6	83.0	0.51	<0.05	12.25	0.221	2.72
V339987		540	329	159.0	<0.002	0.92	21.7	10.0	1	3.5	94.0	0.54	<0.05	12.80	0.221	2.81
V339988		130	657	69.2	0.002	>10.0	794	3.8	3	6.4	38.9	0.14	1.64	2.73	0.055	0.83
V339989		580	341	117.5	<0.002	0.70	22.7	9.3	1	3.1	112.5	0.59	<0.05	11.15	0.238	1.73
V339990		580	19.6	98.3	<0.002	0.06	5.08	9.7	1	1.5	279	0.59	<0.05	12.20	0.239	1.10
V339991		450	830	156.0	<0.002	6.37	13.25	8.5	1	3.5	79.0	0.44	3.21	10.90	0.188	2.23
V339992		190	2.1	1.3	<0.002	<0.01	0.16	0.2	1	<0.2	45.8	<0.05	<0.05	0.08	<0.005	<0.02
V339993		580	22.9	99.2	0.002	0.04	2.67	9.9	1	1.7	335	0.62	0.05	12.20	0.236	1.03
V339994		580	22.4	102.5	0.002	0.19	6.03	9.4	<1	1.6	216	0.61	<0.05	10.40	0.238	2.05
V339995		590	78.0	119.0	<0.002	0.29	7.36	10.9	1	2.2	215	0.62	<0.05	12.00	0.254	1.83
V339996		560	51.3	126.0	<0.002	0.44	7.25	9.8	1	3.4	153.5	0.55	0.06	11.95	0.219	2.40
V339997		520	1260	162.0	0.002	4.39	63.3	8.8	1	7.3	91.5	0.49	2.65	10.70	0.195	2.41
V339998		620	66.4	98.6	<0.002	0.31	8.10	9.5	<1	2.5	241	0.58	0.10	10.30	0.239	1.78
V339999		630	15.4	100.0	<0.002	0.03	2.10	10.4	1	1.5	391	0.65	<0.05	11.05	0.258	1.17
V340000		580	317	204	<0.002	3.16	14.50	9.8	1	4.7	88.1	0.56	0.15	12.95	0.221	2.81
V340001		1100	21.0	92.6	<0.002	0.14	16.30	5.5	<1	1.7	421	0.75	<0.05	10.35	0.312	1.20
V340002		1400	12.2	87.5	<0.002	0.05	14.35	6.6	1	1.8	480	0.73	<0.05	9.28	0.364	1.13
V340003		520	4570	189.5	<0.002	5.20	15.60	9.4	<1	6.9	29.9	0.56	<0.05	13.15	0.221	3.13
V340004		550	676	141.0	<0.002	0.86	4.36	9.6	1	2.5	261	0.61	0.08	13.30	0.225	1.86
V340005		570	712	142.0	<0.002	1.01	4.65	9.9	1	2.6	262	0.61	0.12	13.75	0.237	1.96
V340006		580	96.6	133.5	0.003	0.63	3.38	10.4	1	2.7	211	0.58	<0.05	12.75	0.236	2.10
V340007		480	1380	157.0	0.002	2.86	22.7	8.4	1	4.9	127.0	0.54	0.57	11.15	0.192	2.45
V340008		180	3.1	1.2	<0.002	0.01	0.05	0.2	<1	<0.2	48.5	<0.05	<0.05	0.09	<0.005	0.02
V340009		630	34.2	103.5	0.002	0.10	1.57	10.1	1	1.9	389	0.66	<0.05	13.60	0.254	1.16
V340010		580	604	132.0	<0.002	0.96	3.26	10.5	1	4.1	274	0.62	<0.05	13.65	0.236	1.50
V340011		520	1410	158.0	0.003	3.09	34.7	8.7	1	5.7	151.5	0.60	0.33	11.30	0.208	2.51
V340012		590	224	164.5	<0.002	0.59	15.30	9.7	1	3.6	184.0	0.65	<0.05	11.70	0.226	2.68
V340013		330	1330	128.0	<0.002	9.57	382	6.2	1	7.1	96.7	0.35	0.58	5.36	0.137	1.75
V340014		590	152.0	148.5	0.002	0.81	11.40	10.1	1	2.8	179.0	0.66	<0.05	13.40	0.242	2.53
V340015		540	712	156.0	<0.002	4.38	10.85	9.3	1	5.1	186.0	0.61	0.26	12.60	0.216	2.11
V340016		580	144.0	148.5	0.002	0.57	4.66	10.9	1	3.2	265	0.63	<0.05	13.50	0.239	2.01



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145117

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	Au-AA24 Au ppm 0.005
V339981		3.9	63	3.7	11.5	813	30.5	0.089
V339982		5.8	65	3.1	13.4	1460	27.0	0.165
V339983		4.7	66	2.1	10.4	974	28.5	0.006
V339984		6.7	84	4.5	14.7	>10000	27.6	0.358
V339985		4.4	68	2.0	13.6	1160	29.9	0.028
V339986		6.4	63	4.0	14.7	507	28.4	0.046
V339987		7.0	63	3.8	15.4	620	28.9	0.055
V339988		20.1	27	2.1	9.7	1400	6.8	2.70
V339989		2.9	66	3.3	12.3	842	30.7	0.013
V339990		4.1	66	1.4	15.1	53	30.4	<0.005
V339991		5.0	57	4.2	12.2	1640	23.8	1.070
V339992		0.5	2	0.1	0.8	18	0.5	<0.005
V339993		3.5	64	1.1	15.9	54	29.9	<0.005
V339994		3.2	64	2.1	14.3	47	29.4	<0.005
V339995		3.4	67	1.9	15.2	180	30.3	0.007
V339996		4.0	62	2.3	13.0	594	28.6	0.015
V339997		4.6	58	5.5	11.4	2370	34.3	0.891
V339998		3.1	72	1.9	12.5	98	31.1	0.005
V339999		3.6	70	1.4	15.7	43	30.9	<0.005
V340000		4.9	64	3.4	11.6	721	30.2	0.109
V340001		3.6	51	2.5	10.2	116	151.0	0.021
V340002		2.9	65	1.6	11.5	95	185.0	<0.005
V340003		3.3	60	4.6	8.8	6690	28.9	0.392
V340004		3.7	62	2.1	13.1	1280	29.4	0.010
V340005		3.7	64	2.3	13.3	1360	30.1	0.024
V340006		4.0	68	2.7	13.3	501	27.8	0.030
V340007		3.8	54	3.0	11.4	4420	27.8	0.165
V340008		0.6	2	<0.1	0.8	25	<0.5	<0.005
V340009		4.3	70	1.8	17.2	83	31.7	<0.005
V340010		4.2	65	3.8	14.9	1560	34.4	0.065
V340011		4.8	57	5.0	11.2	3190	41.0	0.808
V340012		4.2	58	3.2	13.5	674	35.9	0.055
V340013		3.4	41	3.4	7.4	3530	21.3	7.83
V340014		4.5	66	2.8	14.0	506	32.2	0.074
V340015		4.3	60	4.1	12.4	1860	32.2	0.285
V340016		4.2	66	3.2	14.8	331	29.1	0.013



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 24-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145117

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-06	CRU-31
CRU-QC	LOG-21	LOG-21d	LOG-23
ME-MS61	ME-OG62	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

CERTIFICATE VA17145119

Project: Klaza

P.O. No.: 17-043

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145119

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V340833		6.84	0.26	7.92	19.6	2250	1.61	0.76	2.40	1.99	55.0	7.9	15	19.15	21.8	3.27
V340834		7.96	0.21	6.99	56.6	1370	2.20	0.20	2.77	8.04	58.8	9.9	21	24.3	22.3	3.04
V340835		7.68	1.21	6.77	122.0	1340	1.74	1.31	2.16	9.14	48.4	8.7	12	29.1	62.5	3.28
V340836		10.04	0.18	8.07	20.9	2410	1.67	0.87	2.40	1.49	52.1	9.2	15	17.15	22.7	3.49
V340837		13.10	6.51	7.45	154.0	2270	1.71	8.84	0.50	12.25	53.7	9.7	15	18.35	225	4.24
V340838		6.20	4.34	6.36	95.8	480	1.54	5.95	2.06	36.5	43.2	7.1	15	17.65	224	4.77
V340839		0.34	41.1	5.61	2140	120	1.16	37.3	1.64	46.4	34.1	18.6	23	10.45	1190	9.06
V340840		11.76	0.95	7.15	24.0	1800	1.69	2.50	2.66	1.06	45.7	8.3	17	19.35	43.5	3.22
V340841		3.50	18.15	6.53	101.5	190	1.38	8.73	1.82	57.7	47.6	8.2	14	13.00	2060	5.20
V340842		6.10	0.03	0.05	<0.2	30	<0.05	0.06	20.6	0.11	1.02	0.7	1	0.14	5.6	0.46
V340843		4.64	2.00	6.76	58.3	380	1.46	2.74	2.37	11.40	47.0	6.5	13	18.45	60.0	4.14
V340844		7.16	3.84	7.11	70.9	940	1.48	4.38	2.64	8.91	53.1	17.7	14	18.70	218	3.82
V340845		<0.02	3.22	6.64	77.3	940	1.63	3.76	2.56	9.44	46.7	16.4	14	17.50	203	3.78
V340846		9.94	1.08	7.16	28.7	1710	1.59	4.53	2.31	2.93	48.7	10.6	23	12.80	152.5	3.66
V340847		2.14	6.53	6.55	222	910	1.57	5.61	3.46	20.2	43.8	11.4	12	25.6	167.5	4.28
V340848		9.86	2.07	6.89	103.5	1560	1.52	2.37	2.36	2.11	46.9	9.1	17	19.90	473	3.09
V340849		4.38	9.39	7.06	237	860	1.60	49.9	2.16	1.63	58.5	6.7	15	17.80	1685	3.96
V340850		4.34	9.90	7.22	90.6	830	1.53	10.30	2.05	2.65	48.0	6.7	14	16.05	219	3.72
V341051		4.36	2.49	6.02	116.5	960	1.64	3.21	1.95	1.38	42.7	6.0	12	20.2	72.7	2.50
V341052		3.96	7.34	6.99	223	250	1.81	11.90	1.73	7.71	45.3	8.4	15	15.95	129.0	4.31
V341053		3.66	1.50	7.16	151.0	1450	1.95	1.76	2.67	6.63	63.7	8.4	18	18.90	48.6	2.97
V341054		3.80	0.24	6.50	25.2	1310	2.07	0.32	2.77	0.45	52.8	5.7	21	18.00	6.3	2.32
V341055		2.76	12.50	4.76	145.0	350	1.47	19.65	3.66	1.74	42.3	4.8	11	16.35	367	2.47
V341056		3.60	0.88	6.50	37.0	1000	1.79	0.31	2.41	2.99	53.6	4.8	5	23.4	17.1	2.33
V341057		7.74	1.32	6.76	36.9	1190	1.89	0.24	1.96	3.86	56.8	4.9	6	28.6	18.6	2.69
V341058		3.78	1.12	6.64	35.6	1190	2.00	0.21	2.03	2.78	54.6	4.8	5	27.7	13.2	2.68
V341059		7.20	0.72	6.58	25.6	1200	1.93	0.12	2.35	1.59	52.1	4.8	5	25.1	6.4	2.49
V341060		4.14	1.80	6.36	38.0	1460	1.67	0.45	1.62	5.17	55.4	4.7	6	16.65	14.7	2.11
V341061		4.18	0.68	7.30	89.7	1820	1.79	0.77	2.00	0.97	51.4	6.3	14	17.75	61.2	3.60
V341062		6.00	0.29	7.14	20.0	2880	1.68	1.26	1.85	0.31	48.1	5.0	12	11.95	117.5	2.99
V341063		0.32	9.53	6.41	1780	210	1.58	6.18	1.85	41.1	41.7	18.4	21	16.90	108.0	5.15
V341064		3.18	0.32	7.17	52.7	180	1.26	13.00	1.66	0.20	76.6	69.0	11	5.11	31.0	5.45
V341065		3.26	0.32	5.31	148.5	100	0.69	9.93	1.49	0.11	46.4	247	9	3.54	4.7	13.60
V341066		6.10	0.02	0.08	<0.2	30	0.05	0.02	20.5	0.06	1.16	0.8	1	0.15	2.6	0.47
V341067		7.68	0.56	7.24	108.5	1210	1.48	2.56	2.21	4.37	52.6	16.7	11	6.13	24.5	3.77
V341068		5.96	0.30	7.44	37.9	2160	1.49	2.21	2.22	0.29	57.3	11.8	15	6.18	29.2	3.87



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
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CERTIFICATE OF ANALYSIS VA17145119

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V340833		17.20	0.11	1.2	0.106	3.00	28.6	17.9	0.71	699	2.21	1.47	8.6	2.9	690
V340834		18.90	0.12	3.7	0.037	3.25	28.6	28.3	0.73	910	2.60	0.06	11.5	6.7	1210
V340835		14.60	0.10	1.1	0.123	2.77	27.0	24.0	0.73	1120	7.00	0.06	7.1	3.8	580
V340836		17.15	0.12	1.1	0.084	2.98	28.0	16.2	0.72	646	4.04	1.81	8.7	3.0	720
V340837		16.70	0.11	1.0	0.382	3.57	29.6	18.9	0.35	536	5.27	0.42	6.5	2.8	610
V340838		15.10	0.10	1.1	1.495	2.81	23.2	17.8	0.82	592	1.83	0.05	5.6	3.0	510
V340839		14.40	0.11	0.8	1.575	2.64	16.8	15.7	0.66	2330	16.65	0.06	4.9	14.9	450
V340840		16.10	0.11	1.3	0.162	2.87	23.1	24.9	0.78	584	2.43	1.03	8.3	2.5	610
V340841		15.30	0.11	1.1	3.08	3.02	23.9	9.0	0.72	764	2.89	0.12	6.6	3.0	580
V340842		0.18	0.10	<0.1	0.008	0.02	0.5	0.8	12.75	205	0.08	<0.01	0.1	1.5	160
V340843		14.65	0.12	1.0	0.332	3.10	24.9	16.6	0.71	818	1.66	0.10	6.9	2.7	550
V340844		15.85	0.12	1.0	0.373	3.18	29.1	23.7	0.68	649	2.90	0.56	7.1	2.5	580
V340845		15.50	0.13	1.0	0.384	3.14	24.3	25.5	0.65	641	4.41	0.56	6.8	3.3	580
V340846		15.55	0.13	1.1	0.191	2.87	26.2	31.8	0.74	518	2.74	0.71	7.2	2.8	600
V340847		14.65	0.13	0.7	0.385	2.70	24.1	15.6	1.30	1520	2.24	0.05	6.0	2.7	550
V340848		15.80	0.13	0.9	0.268	2.63	24.9	43.3	0.79	979	5.60	0.09	6.7	2.9	590
V340849		16.85	0.14	0.8	0.927	3.14	32.6	10.8	0.95	930	3.83	0.05	5.6	3.1	560
V340850		15.95	0.13	0.8	0.238	3.30	26.5	9.0	0.77	965	4.57	0.05	5.8	2.6	620
V341051		14.15	0.14	1.3	0.133	2.61	22.9	30.6	0.73	1140	3.40	0.04	6.5	3.1	580
V341052		16.75	0.13	0.9	0.404	3.31	23.3	10.3	0.69	1090	4.37	0.04	7.0	4.0	590
V341053		17.80	0.14	3.2	0.139	3.09	33.8	21.5	0.94	1230	2.11	0.06	10.2	6.8	1000
V341054		17.95	0.15	3.3	0.045	2.98	25.7	19.4	0.90	957	1.41	0.07	10.4	5.0	1030
V341055		12.65	0.13	2.2	0.219	2.02	22.4	45.7	1.34	2640	1.54	0.04	6.5	4.0	660
V341056		16.60	0.13	1.9	0.038	2.36	27.0	67.8	0.75	1160	2.16	0.08	7.9	2.0	760
V341057		17.75	0.14	2.0	0.063	2.44	29.2	41.7	0.70	987	1.84	0.08	9.1	1.9	780
V341058		17.55	0.14	1.9	0.056	2.42	27.0	40.4	0.71	1000	1.76	0.08	8.6	2.1	770
V341059		17.45	0.14	2.0	0.044	2.35	25.4	56.7	0.74	1040	1.39	0.11	8.7	1.7	790
V341060		16.50	0.13	1.9	0.071	2.03	28.3	84.7	0.50	886	2.14	0.13	8.0	2.1	730
V341061		16.65	0.13	0.9	0.172	3.05	27.3	36.0	0.62	458	1.92	1.02	7.1	3.4	600
V341062		16.45	0.14	1.1	0.200	3.66	25.6	21.7	0.61	368	1.63	1.57	6.5	2.7	620
V341063		15.00	0.13	1.2	0.923	2.85	21.7	26.3	0.67	1990	11.60	0.26	7.0	15.6	500
V341064		14.65	0.14	1.1	0.103	4.07	45.7	8.6	0.80	396	18.40	1.05	7.1	3.6	600
V341065		9.99	0.17	0.8	0.121	3.81	25.5	5.5	0.51	362	15.05	0.47	4.6	7.8	460
V341066		0.22	0.09	<0.1	0.006	0.03	0.6	1.2	12.65	206	0.10	0.01	0.1	1.5	230
V341067		15.15	0.16	1.1	0.161	2.98	30.2	8.2	0.76	427	5.89	1.79	7.4	2.8	570
V341068		16.50	0.14	1.1	0.175	3.10	31.3	7.6	0.89	554	2.25	1.62	7.6	4.3	620



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145119

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V340833		124.0	<0.002	0.27	5.20	12.0	1	2.3	293	0.70	0.05	14.75	0.272	1.73	2.9	75
V340834		122.0	<0.002	0.11	13.95	7.1	<1	1.5	154.0	0.75	<0.05	9.18	0.315	2.70	4.7	67
V340835		143.0	0.003	0.82	22.9	9.1	1	3.7	145.5	0.61	0.14	12.15	0.218	2.44	3.6	60
V340836		118.5	0.005	0.23	5.37	12.6	1	2.4	331	0.67	0.12	15.65	0.287	1.57	2.7	79
V340837		189.5	0.003	1.11	18.95	11.6	2	3.9	127.0	0.53	0.59	13.20	0.215	2.59	4.4	68
V340838		144.5	0.002	3.42	23.6	9.1	2	5.3	77.1	0.44	0.95	13.35	0.179	1.96	4.9	56
V340839		149.0	0.004	7.67	106.0	8.2	1	10.6	63.8	0.40	0.94	8.55	0.160	2.25	5.4	54
V340840		110.5	<0.002	0.63	6.22	10.6	1	2.4	223	0.77	0.20	12.95	0.243	1.72	5.0	66
V340841		136.5	0.003	4.06	17.70	9.7	3	6.5	68.9	0.58	1.24	11.70	0.200	1.96	5.1	61
V340842		1.1	<0.002	<0.01	0.09	0.2	<1	0.2	43.6	<0.05	<0.05	0.08	<0.005	<0.02	0.4	2
V340843		144.0	<0.002	2.44	11.60	9.5	2	4.3	89.8	0.61	0.21	11.60	0.216	2.24	4.1	62
V340844		146.0	0.002	2.07	9.13	9.8	1	3.9	160.5	0.63	1.16	12.85	0.222	2.11	3.8	63
V340845		123.0	0.002	1.98	8.71	9.0	1	3.9	155.5	0.60	0.73	11.40	0.221	2.06	3.6	63
V340846		118.0	0.002	1.32	6.47	10.8	1	3.3	178.0	0.65	0.97	13.65	0.236	1.67	3.1	67
V340847		138.5	0.002	1.96	21.1	9.7	1	5.2	119.0	0.44	0.47	11.20	0.219	2.16	6.2	63
V340848		111.0	0.002	0.67	124.5	10.8	1	3.4	125.0	0.54	0.47	11.60	0.237	2.05	3.7	69
V340849		169.0	<0.002	2.08	215	9.6	2	6.2	87.8	0.42	0.41	12.85	0.199	2.44	5.8	61
V340850		169.0	0.002	2.23	34.7	10.1	1	6.6	67.4	0.45	2.97	11.80	0.227	2.80	3.4	68
V341051		152.5	0.002	1.44	47.6	8.1	1	3.3	73.0	0.53	0.22	10.75	0.205	2.49	6.5	55
V341052		177.0	0.002	3.38	31.3	11.5	1	6.3	55.7	0.51	0.22	10.75	0.231	3.38	4.6	68
V341053		171.0	0.003	1.18	13.50	7.3	1	2.9	105.0	0.68	0.07	9.93	0.279	2.78	5.1	60
V341054		124.0	0.002	0.18	9.64	6.6	1	1.4	126.5	0.69	<0.05	7.95	0.279	2.78	4.8	59
V341055		126.5	<0.002	0.71	150.5	4.8	1	1.4	99.5	0.45	0.18	6.37	0.191	2.20	4.5	43
V341056		96.7	0.002	0.16	14.25	4.7	1	2.1	102.5	0.60	<0.05	8.20	0.261	1.78	5.1	42
V341057		109.0	<0.002	0.16	10.25	5.2	1	2.2	116.5	0.64	<0.05	9.01	0.267	1.86	5.3	43
V341058		103.5	<0.002	0.15	9.88	5.1	1	1.8	116.5	0.62	<0.05	8.20	0.264	1.85	5.2	42
V341059		89.0	<0.002	0.10	9.32	5.0	1	1.3	112.5	0.63	<0.05	7.86	0.267	1.75	5.2	43
V341060		94.5	<0.002	0.20	14.25	4.8	1	1.5	107.0	0.60	<0.05	8.27	0.253	1.69	5.2	40
V341061		150.0	<0.002	1.08	10.15	11.3	1	3.3	236	0.61	0.07	13.35	0.239	2.10	3.8	68
V341062		151.5	<0.002	0.45	2.33	11.0	1	3.5	265	0.57	0.13	13.40	0.229	2.18	4.1	67
V341063		148.5	0.002	3.01	34.1	8.5	1	5.5	149.0	0.57	0.29	11.20	0.202	2.43	4.8	56
V341064		159.0	0.002	3.72	1.49	9.9	3	4.6	177.0	0.59	6.64	13.70	0.232	2.11	4.4	67
V341065		153.0	0.002	>10.0	0.86	6.2	6	3.8	99.4	0.40	5.30	8.19	0.152	2.00	3.5	45
V341066		1.2	<0.002	0.01	0.08	0.2	<1	<0.2	46.1	<0.05	<0.05	0.11	<0.005	<0.02	0.7	3
V341067		124.5	0.002	1.58	1.62	9.7	1	3.2	304	0.69	0.11	14.45	0.230	1.42	5.0	63
V341068		129.5	<0.002	1.02	1.64	12.0	1	4.2	286	0.60	0.13	14.05	0.251	1.66	4.1	73



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145119

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340833		1.4	18.3	204	33.2	0.023
V340834		1.9	13.8	475	152.5	0.015
V340835		3.3	13.5	689	33.7	0.120
V340836		1.0	18.0	209	30.0	0.006
V340837		3.3	14.2	781	27.2	0.110
V340838		7.5	12.8	2900	27.0	0.109
V340839		7.2	9.5	3460	24.9	1.790
V340840		1.7	15.6	138	32.3	0.029
V340841		16.2	12.8	4530	27.3	0.065
V340842		0.1	0.7	24	<0.5	<0.005
V340843		11.0	13.5	1060	26.2	0.043
V340844		7.4	15.3	759	26.1	0.065
V340845		7.6	14.0	816	26.7	0.063
V340846		3.0	15.2	313	28.9	0.240
V340847		2.6	14.5	2160	19.5	0.358
V340848		2.5	14.2	217	23.4	0.129
V340849		7.4	13.0	261	22.1	0.164
V340850		4.7	11.4	269	21.5	0.232
V341051		3.6	11.8	145	42.4	0.145
V341052		8.7	12.7	682	24.3	0.788
V341053		3.0	13.9	627	126.0	0.205
V341054		2.3	12.7	105	136.5	0.008
V341055		2.1	11.4	176	88.9	0.074
V341056		2.1	11.8	332	60.7	0.038
V341057		2.4	12.3	424	65.8	0.056
V341058		2.1	11.8	345	62.7	0.056
V341059		2.0	12.0	228	64.0	0.018
V341060		5.1	12.3	520	61.2	0.045
V341061		5.4	13.3	109	27.6	0.054
V341062		1.9	11.9	52	31.7	0.058
V341063		5.0	11.0	3090	38.0	0.823
V341064		1.7	15.5	45	30.8	0.052
V341065		2.1	12.1	25	22.0	0.316
V341066		0.1	0.8	16	<0.5	<0.005
V341067		2.6	16.4	526	30.1	0.083
V341068		3.5	16.9	69	31.5	0.045



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145119

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE VA17145120

Project: Klaza

P.O. No.: 17-044

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145120

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	As-OG62 As %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V340879		6.44		1.78	7.67	27.4	1410	1.51	0.46	2.07	60.1	68.1	6.7	19	8.13	94.2
V340880		6.32		1.05	7.80	29.1	1330	1.99	0.23	2.42	40.3	47.1	4.9	11	11.70	229
V340881		10.02		0.28	8.51	27.3	1610	1.68	0.22	1.17	40.9	57.0	6.5	14	17.35	37.0
V340882		4.60		0.35	7.70	35.2	1450	1.80	0.23	1.68	27.7	48.4	5.4	18	16.05	38.9
V340883		13.58	0.981	16.65	5.93	>10000	340	1.20	12.15	0.48	91.7	34.1	7.4	15	7.48	454
V340884		6.16		0.04	0.07	11.9	80	0.07	0.03	21.4	0.26	1.17	1.1	1	0.15	3.8
V340885		4.06		2.17	7.66	401	1030	1.74	0.73	1.91	73.2	60.3	4.7	10	18.25	33.1
V340886		9.80		0.06	7.64	29.3	1570	1.84	0.15	1.66	19.40	47.9	6.5	15	13.65	3.5
V340887		10.28		0.43	7.60	62.5	1510	1.69	0.44	1.63	19.05	50.3	8.7	14	10.95	10.5
V340888		0.34		9.85	6.61	1920	170	1.76	6.26	1.99	45.4	37.5	18.4	21	16.40	112.5
V340889		4.44		2.61	7.03	273	1420	1.68	1.68	2.45	43.6	48.9	7.0	14	15.75	49.8
V340890		4.20		6.92	7.19	572	320	1.57	2.62	0.56	151.5	46.0	7.4	20	9.80	137.0
V340891		10.44		0.75	7.08	18.5	1900	1.76	0.60	2.47	15.65	44.3	24.7	16	8.02	19.4
V340892		<0.02		0.81	7.05	19.5	1730	1.92	0.60	2.47	15.95	42.6	25.3	17	7.95	18.2
V340893		2.98		0.09	7.25	14.0	2100	1.40	0.17	1.55	4.81	36.3	6.1	16	16.10	7.2
V340894		6.26		1.06	7.45	71.8	1180	1.67	0.38	1.57	19.60	47.0	9.5	14	17.50	26.5
V340895		7.98		0.90	7.39	28.4	1660	1.68	0.73	1.95	9.04	37.1	27.6	12	7.21	15.0
V340896		4.66		0.29	7.53	23.2	1490	1.54	0.31	1.55	10.25	48.6	18.6	13	10.75	17.3
V340897		5.78		1.96	7.40	45.6	1070	1.65	1.33	0.82	34.5	63.0	18.6	13	11.00	37.8
V340898		0.34		39.3	5.66	2600	110	1.32	35.5	1.70	47.4	31.0	17.9	22	9.43	1195
V340899		5.98		0.17	6.55	15.5	1850	1.38	0.15	2.67	52.2	34.0	7.4	21	11.65	6.3
V340900		7.70		0.19	6.98	17.9	2120	1.84	0.24	2.28	1.74	60.7	12.5	17	9.19	2.2
V340901		4.04		2.10	6.66	15.9	1550	1.69	0.32	2.78	28.5	41.4	4.5	13	9.80	17.5
V340902		8.10		0.80	6.47	62.9	730	1.72	1.11	3.69	5.95	44.2	25.0	12	12.35	18.3
V340903		8.36		1.41	4.32	209	180	1.32	1.84	6.21	14.70	40.8	33.3	6	8.60	32.7
V340904		6.18		0.01	0.06	<0.2	20	0.07	0.01	21.7	0.10	1.12	1.2	1	0.22	2.5
V340905		12.28		0.72	6.47	103.0	990	1.41	0.76	3.13	10.55	69.2	13.4	13	10.25	16.7
V340906		9.46		0.29	6.78	11.2	550	1.24	0.24	3.90	1.02	47.9	4.0	14	7.11	7.0
V340907		8.02		5.66	6.51	1005	560	1.39	1.98	2.59	35.0	60.8	6.4	10	10.45	94.3
V340908		2.36		0.18	7.62	11.7	1870	1.64	0.11	1.57	0.63	51.1	5.9	11	15.25	14.3
V340909		2.32		2.76	7.07	54.9	1520	1.72	0.76	1.33	46.7	53.9	5.3	13	18.20	61.1
V340910		2.38		1.62	6.83	27.6	1790	1.64	0.61	2.97	12.05	42.0	6.0	12	19.70	37.3
V340911		1.82		0.13	7.62	9.6	2110	1.40	0.15	1.86	0.81	40.9	5.3	11	11.85	30.3
V340912		0.78		0.12	7.79	8.2	2200	1.44	0.12	1.65	0.65	38.5	6.0	11	11.30	22.2
V340913		2.26		24.6	6.68	1415	170	1.54	15.70	1.43	44.5	49.4	27.8	11	13.75	1140
V340914		4.50		0.31	7.38	13.9	1230	1.37	0.40	1.75	0.83	66.4	4.9	15	10.20	12.1



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145120

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
V340879		2.49	17.05	0.16	1.0	0.224	2.45	38.7	40.8	0.76	932	3.04	0.06	6.8	2.9	590
V340880		2.87	18.10	0.15	1.2	0.099	2.60	23.9	31.7	0.68	665	2.31	0.47	7.9	2.8	620
V340881		3.14	19.15	0.17	1.3	0.065	2.84	30.8	68.5	0.49	825	4.17	0.07	9.7	2.8	710
V340882		3.18	17.45	0.14	1.0	0.068	2.31	25.7	162.0	0.64	1020	4.60	0.04	7.9	2.6	630
V340883		7.65	14.65	0.14	0.8	1.685	2.82	17.5	16.4	0.35	1110	5.91	0.03	5.3	2.1	440
V340884		0.48	0.29	0.08	<0.1	0.006	0.03	0.6	1.7	13.20	209	0.09	<0.01	0.1	1.1	180
V340885		5.23	16.85	0.14	1.0	0.697	3.51	35.2	10.5	0.98	3310	1.48	0.03	7.5	2.2	560
V340886		2.83	17.50	0.12	1.1	0.040	2.47	24.9	177.5	0.54	680	1.60	0.08	8.0	2.2	630
V340887		3.54	17.55	0.13	1.1	0.083	2.70	26.3	94.8	0.64	1640	1.77	0.05	7.3	2.4	610
V340888		5.43	15.90	0.11	1.4	0.919	2.96	18.1	26.9	0.70	2030	12.75	0.27	7.7	16.8	510
V340889		4.46	15.70	0.15	1.0	0.807	3.07	27.8	14.7	0.91	4940	4.42	0.03	6.8	2.3	510
V340890		5.74	16.85	0.14	1.0	3.29	3.33	25.4	14.2	0.46	2510	2.64	0.04	6.5	2.3	510
V340891		2.57	17.30	0.14	1.2	0.145	2.60	24.0	71.1	0.70	910	6.41	0.06	7.0	3.4	580
V340892		2.53	17.65	0.13	1.2	0.150	2.60	22.9	71.6	0.70	924	4.49	0.06	7.0	2.9	560
V340893		2.53	17.10	0.14	1.3	0.034	2.91	18.1	136.0	0.36	596	2.38	0.10	8.5	1.7	590
V340894		4.54	16.60	0.17	0.9	0.225	2.70	25.9	137.0	0.75	2160	2.78	0.04	7.5	2.8	560
V340895		3.55	18.30	0.14	1.0	0.095	2.35	19.6	119.5	0.66	778	2.02	0.51	6.1	3.8	610
V340896		2.49	17.20	0.16	1.0	0.042	2.01	26.2	171.5	0.57	760	6.41	0.04	6.4	2.7	610
V340897		3.16	16.85	0.16	1.0	0.405	2.72	35.9	109.0	0.51	1020	6.37	0.04	6.9	2.9	600
V340898		9.29	14.45	0.14	0.9	1.545	2.64	15.1	17.6	0.67	2320	17.45	0.06	5.0	15.9	450
V340899		2.12	16.55	0.14	1.2	0.044	1.99	16.1	54.5	0.58	687	1.99	0.16	8.2	3.7	610
V340900		2.34	16.95	0.16	0.9	0.129	2.60	32.1	38.4	0.71	1020	1.11	0.06	6.7	2.6	590
V340901		2.69	16.10	0.14	1.0	0.224	2.37	20.1	21.9	0.56	877	2.41	0.56	7.0	2.4	590
V340902		3.42	14.65	0.15	0.9	0.177	2.34	22.4	17.7	0.58	1040	0.76	0.38	5.6	2.6	560
V340903		5.25	9.66	0.11	0.6	0.189	1.52	23.1	27.9	0.93	1440	0.46	0.04	3.7	2.6	280
V340904		0.47	0.26	0.06	<0.1	0.006	0.02	0.5	1.4	13.25	210	0.17	<0.01	0.2	1.1	170
V340905		2.90	13.60	0.11	0.9	0.382	2.17	39.2	18.2	0.85	952	0.79	0.07	5.4	2.4	520
V340906		2.14	15.10	0.11	1.0	0.059	1.33	23.7	71.2	0.87	841	1.01	0.05	7.0	2.2	580
V340907		3.85	13.25	0.11	0.8	0.495	2.30	33.1	27.6	0.87	2080	1.52	0.06	5.6	2.1	480
V340908		3.65	16.45	0.10	1.0	0.038	2.73	25.8	37.9	0.60	998	1.12	0.38	7.5	2.3	590
V340909		3.47	14.75	0.11	0.9	0.298	2.70	28.3	45.0	0.67	1320	1.74	0.04	6.5	2.3	520
V340910		2.90	15.65	0.11	1.0	0.153	2.51	20.5	135.0	0.51	994	1.06	0.11	6.9	2.4	580
V340911		3.20	17.15	0.11	1.2	0.037	3.27	19.5	36.4	0.59	527	2.67	0.33	7.9	2.5	540
V340912		3.32	18.05	0.11	1.3	0.039	3.38	18.1	37.1	0.62	494	2.80	0.25	8.1	2.6	560
V340913		6.37	15.20	0.12	0.9	1.260	2.93	25.3	18.5	0.55	1020	3.06	0.04	6.3	3.1	490
V340914		2.93	16.65	0.11	0.9	0.129	2.53	32.5	80.0	0.64	1000	1.61	0.07	5.9	2.1	590



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145120

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	0.01	0.005	0.1
V340879		465	134.0	<0.002	0.48	22.1	10.5	1	2.5	104.0	0.55	0.11	13.90	0.217	3.3
V340880		39.3	121.5	<0.002	0.21	10.90	10.4	1	2.0	111.0	0.64	<0.05	11.60	0.243	3.4
V340881		49.1	164.0	<0.002	0.17	21.3	12.9	1	2.8	103.5	0.79	<0.05	15.70	0.297	3.8
V340882		79.4	121.0	<0.002	0.28	28.3	11.4	1	2.1	147.5	0.61	<0.05	11.85	0.260	3.6
V340883		1795	200	<0.002	7.14	107.5	8.5	1	6.8	35.6	0.41	0.30	8.39	0.172	4.1
V340884		4.0	1.5	<0.002	<0.01	0.30	0.2	1	<0.2	47.1	<0.05	<0.05	0.16	<0.005	0.5
V340885		1190	211	<0.002	1.24	10.60	10.7	1	5.9	64.3	0.60	<0.05	14.65	0.245	5.8
V340886		55.5	104.5	<0.002	0.09	14.00	10.4	1	1.6	204	0.63	<0.05	12.65	0.256	2.1
V340887		140.5	123.5	<0.002	0.40	16.75	10.4	1	2.4	144.0	0.61	0.06	12.70	0.237	3.9
V340888		1440	147.5	<0.002	3.23	33.1	9.1	1	5.9	154.5	0.62	0.25	10.25	0.217	5.0
V340889		612	178.5	<0.002	1.26	18.10	10.0	2	4.0	65.5	0.55	<0.05	12.10	0.217	5.5
V340890		1685	184.5	<0.002	3.04	16.90	10.3	1	6.4	24.0	0.54	0.07	11.35	0.206	3.2
V340891		236	114.0	<0.002	0.79	11.85	10.6	1	2.7	109.5	0.57	0.07	11.10	0.213	3.7
V340892		241	114.0	<0.002	0.78	11.65	10.5	1	2.6	110.0	0.58	0.08	11.05	0.208	3.8
V340893		16.8	113.0	<0.002	0.07	23.0	10.6	1	1.4	130.5	0.71	<0.05	10.45	0.260	3.5
V340894		444	151.0	<0.002	0.70	23.7	11.5	1	1.9	81.8	0.56	<0.05	12.85	0.225	3.9
V340895		248	120.5	<0.002	1.45	14.35	11.3	1	2.3	116.0	0.48	0.18	12.15	0.195	3.7
V340896		35.2	111.5	<0.002	0.66	33.0	10.5	1	1.3	128.5	0.53	0.07	13.50	0.218	3.7
V340897		578	171.0	0.002	1.06	29.4	11.2	1	3.6	78.1	0.54	0.08	13.40	0.221	4.6
V340898		1705	145.0	<0.002	7.99	102.5	8.7	2	10.2	64.3	0.39	0.70	8.09	0.170	5.1
V340899		35.6	61.1	<0.002	0.10	18.60	9.6	1	1.9	105.5	0.66	<0.05	9.48	0.259	2.4
V340900		18.1	105.5	<0.002	0.44	14.10	10.1	1	3.3	57.1	0.52	0.06	10.45	0.217	2.1
V340901		930	90.8	<0.002	0.29	8.35	9.5	1	1.9	122.0	0.56	<0.05	9.19	0.232	3.3
V340902		72.5	134.0	<0.002	2.34	7.58	9.1	2	3.6	102.0	0.45	0.23	10.95	0.178	5.3
V340903		138.5	96.7	<0.002	3.97	17.70	7.4	1	2.9	136.0	0.29	0.39	7.58	0.116	5.2
V340904		1.7	1.5	<0.002	<0.01	0.14	0.2	1	<0.2	47.6	<0.05	<0.05	0.12	<0.005	0.8
V340905		82.1	124.5	<0.002	1.40	9.66	8.7	1	3.1	107.0	0.44	0.20	11.65	0.182	4.9
V340906		19.8	47.9	<0.002	0.13	10.80	9.3	1	2.1	152.0	0.56	0.05	10.75	0.235	3.1
V340907		1205	141.5	<0.002	1.72	26.4	8.4	1	3.0	96.8	0.44	0.11	11.45	0.195	4.5
V340908		57.4	109.5	<0.002	0.06	16.70	10.6	1	3.0	119.5	0.60	<0.05	13.40	0.247	3.6
V340909		655	148.5	<0.002	1.23	22.8	9.6	1	3.0	59.3	0.51	<0.05	12.65	0.219	4.7
V340910		717	101.5	<0.002	0.49	31.3	9.9	<1	2.5	136.5	0.53	<0.05	10.75	0.239	3.9
V340911		21.6	127.0	<0.002	0.06	7.74	9.2	1	4.6	112.5	0.68	<0.05	12.05	0.240	3.1
V340912		21.7	120.5	<0.002	0.05	7.54	9.5	1	3.7	105.5	0.76	<0.05	12.00	0.246	2.7
V340913		1540	181.5	<0.002	5.90	81.9	9.4	1	5.8	49.7	0.49	0.47	11.40	0.203	5.4
V340914		20.6	127.5	<0.002	0.22	19.90	10.2	1	2.6	73.8	0.47	<0.05	12.25	0.197	5.5



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145120

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	Au-AA24 Au ppm 0.005
V340879		64	2.3	14.4	2830	27.2	0.008
V340880		70	3.1	13.2	1930	32.1	0.005
V340881		79	6.3	18.1	1840	34.7	0.008
V340882		71	4.2	14.8	1240	26.9	0.006
V340883		54	5.7	9.4	5590	21.2	5.16
V340884		2	0.1	0.8	26	<0.5	<0.005
V340885		67	8.3	12.3	4350	26.1	0.195
V340886		71	3.0	13.4	983	29.8	<0.005
V340887		69	3.3	12.6	1070	32.1	0.012
V340888		59	5.1	11.0	3180	42.7	0.796
V340889		62	5.5	13.4	3120	28.2	0.167
V340890		62	6.7	11.4	9020	27.7	0.326
V340891		73	1.8	11.8	855	32.4	0.011
V340892		73	1.8	11.9	885	33.3	0.005
V340893		69	4.2	12.4	253	36.2	<0.005
V340894		74	5.8	14.1	1140	27.1	0.023
V340895		84	2.2	11.1	649	27.1	0.008
V340896		65	4.1	13.2	265	28.7	0.019
V340897		69	4.8	11.9	2270	27.0	0.014
V340898		56	7.6	8.8	3440	24.1	1.745
V340899		65	6.4	13.3	330	33.5	<0.005
V340900		70	4.0	14.1	198	25.9	0.013
V340901		65	2.8	12.3	1770	26.9	0.018
V340902		60	2.4	14.2	332	24.4	0.029
V340903		51	2.5	16.6	662	15.3	0.094
V340904		2	0.1	0.8	18	<0.5	<0.005
V340905		59	2.0	12.5	976	21.9	0.020
V340906		60	4.0	16.0	140	26.9	<0.005
V340907		55	3.0	14.6	2230	20.8	0.292
V340908		67	4.2	16.3	149	27.8	<0.005
V340909		62	2.9	13.6	3150	24.0	0.028
V340910		68	2.4	16.1	860	27.6	0.006
V340911		65	4.0	12.9	182	32.2	<0.005
V340912		65	4.6	12.8	192	33.3	<0.005
V340913		58	3.7	13.0	3260	24.5	2.04
V340914		66	2.8	14.4	147	23.2	0.007



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145120

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	BAG-06	CRU-31
CRU-QC	LOG-21	LOG-21d	LOG-23
ME-MS61	ME-OG62	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

CERTIFICATE VA17145121

Project: Klaza

P.O. No.: 17-045

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
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CERTIFICATE OF ANALYSIS VA17145121

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GRA22 Au ppm	Ag-OG62 Ag ppm	Cu-OG62 Cu %	Pb-OG62 Pb %	Zn-OG62 Zn %	As-OG62 As %	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
		0.02	0.05	1	0.001	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02
V341687		2.32							57.8	3.02	2180	190	0.37	108.5	0.66	15.05
V341688		4.56							15.15	1.32	1910	110	0.32	31.2	5.47	3.21
V341689		1.54							3.91	3.45	639	70	0.58	6.18	1.89	37.6
V341690		9.36							12.20	6.71	321	320	1.23	17.15	0.94	16.40
V341691		6.10							0.06	0.07	2.0	190	0.05	0.10	22.2	0.17
V341692		2.04	17.45	132			7.83		>100	1.67	6300	130	0.37	180.5	0.57	>1000
V341693		1.96					3.03		34.2	5.59	8470	90	0.94	14.70	0.30	492
V341694		2.36					3.60		63.5	5.60	2880	140	0.99	91.9	1.24	568
V341695		12.04			1.130				99.0	3.22	1120	120	0.51	184.0	2.76	34.3
V341696		1.68							33.1	3.88	1050	1080	0.78	57.2	0.75	5.96
V341697		2.56					1.535		21.2	5.46	1090	480	1.06	13.60	0.88	175.5
V341698		2.68							28.2	3.13	1785	90	0.53	56.8	3.48	10.50
V341699		<0.02							27.9	3.44	1725	120	0.58	55.7	3.30	10.90
V341700		1.62		164					>100	0.77	3720	180	0.15	239	0.49	9.71
V341701		4.42							59.0	3.70	1115	90	0.70	135.5	2.14	36.9
V341702		2.74					10.95		70.8	3.51	2240	380	0.58	131.0	0.39	>1000
V341703		2.22					9.28		25.8	4.14	4140	1210	0.84	15.85	0.95	>1000
V341704		3.16	20.4	122					>100	3.61	9120	1170	0.89	128.5	0.95	130.0
V341705		3.02	9.47	124			1.330		>100	2.87	3330	1430	0.69	151.5	0.61	189.5
V341706		6.00							0.48	0.08	27.5	50	0.06	0.49	21.5	0.73
V341707		1.66	21.9	874		1.235	1.680	1.850	>100	2.30	>10000	60	0.67	111.5	3.26	186.0
V341708		2.28		161	1.395				>100	4.59	1860	170	0.91	81.3	2.17	47.3
V341709		0.34							40.9	5.92	2420	190	1.15	36.3	1.73	43.1
V341710		3.18		124					>100	2.05	3080	90	0.49	180.0	1.73	24.4
V341711		8.24					1.190		67.2	3.93	1815	90	0.81	96.8	1.74	161.0
V341712		5.66	17.70						93.9	4.14	2320	150	0.83	174.5	0.71	45.9
V341713		3.94		147			3.34		>100	2.16	2080	120	0.60	188.5	1.65	514
V341714		3.08							35.5	4.76	4660	570	0.90	27.5	0.53	98.1
V341715		2.42	11.05	256					>100	1.12	1615	420	0.27	400	0.53	8.52
V341716		0.20	14.10	129	2.83	2.47	15.40		>100	4.79	167.5	560	0.56	2.20	2.22	877
V341717		2.12	9.97	441					>100	4.72	2060	400	1.05	106.5	0.44	34.5
V341718		3.46							33.5	5.64	1245	270	1.97	49.2	1.33	25.6
V341719		<0.02							34.3	5.46	1270	440	1.84	51.2	1.25	28.8
V341720		3.02		241	1.105		7.18		>100	4.06	3010	110	0.92	311	0.14	>1000
V341721		1.84	21.5				5.12		32.7	4.39	4770	800	1.03	31.5	0.80	793
V341722		2.76		235					>100	4.36	1725	370	0.97	352	3.43	54.9



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS VA17145121

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
		Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
		ppm 0.01	ppm 0.1	ppm 1	ppm 0.05	ppm 0.2	% 0.01	ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01
V341687		10.05	13.1	9	3.08	1860	25.5	7.96	0.13	0.4	0.581	1.39	5.2	11.7	0.37
V341688		8.66	13.0	5	1.43	165.5	25.4	3.67	0.13	0.2	0.285	0.57	5.1	5.4	1.89
V341689		12.30	13.1	10	3.51	64.4	14.25	8.35	0.10	0.4	0.481	1.62	4.8	11.8	0.83
V341690		37.4	7.5	9	16.65	379	7.30	17.80	0.10	1.1	0.451	2.91	21.3	10.7	0.60
V341691		1.04	0.7	<1	0.19	3.7	0.53	0.19	0.06	<0.1	0.009	0.03	0.5	0.9	14.05
V341692		9.13	16.9	8	4.37	1610	15.40	4.56	0.10	0.2	59.1	0.72	4.8	16.8	0.25
V341693		25.2	4.9	10	7.82	823	10.15	15.00	0.10	0.7	5.69	2.76	11.8	6.0	0.30
V341694		62.0	5.5	10	10.30	1910	7.91	15.25	0.12	0.7	16.65	2.60	35.0	6.9	0.72
V341695		4.14	19.4	7	3.22	>10000	19.40	8.78	0.11	0.3	2.96	1.50	2.1	12.6	0.90
V341696		25.6	56.7	32	7.37	361	11.75	10.20	0.11	0.7	0.450	1.78	11.3	11.2	0.34
V341697		32.9	9.1	19	8.51	171.0	6.03	13.55	0.09	0.6	2.02	2.47	16.3	10.9	0.40
V341698		25.5	8.4	9	3.75	273	23.5	9.59	0.14	0.4	0.616	1.51	13.8	2.9	1.56
V341699		27.1	8.4	9	4.17	235	22.7	10.35	0.14	0.4	0.608	1.66	14.9	3.2	1.49
V341700		2.26	20.0	8	1.64	7760	30.0	2.51	0.15	0.1	3.50	0.31	1.1	9.5	0.11
V341701		18.40	10.0	10	5.22	695	16.50	9.68	0.12	0.4	0.547	1.73	9.1	18.3	0.93
V341702		31.2	6.4	32	4.09	2950	21.1	10.25	0.16	0.7	37.1	1.66	14.5	2.3	0.26
V341703		25.6	6.2	11	4.66	1695	11.00	10.80	0.09	0.5	57.2	1.98	13.0	7.1	0.40
V341704		17.20	13.0	10	14.30	7660	12.00	8.64	0.08	0.5	5.85	1.50	7.9	27.6	0.39
V341705		12.50	6.1	10	10.05	3450	16.25	7.33	0.09	0.4	3.94	1.21	5.9	20.1	0.20
V341706		1.15	0.7	1	0.40	25.8	0.54	0.23	<0.05	<0.1	0.027	0.03	0.6	1.2	13.85
V341707		4.45	15.3	7	2.66	5340	15.95	5.02	0.09	0.3	5.16	1.07	0.9	12.8	1.14
V341708		36.0	3.0	11	8.98	>10000	14.50	12.35	0.11	0.6	6.31	1.95	20.2	8.1	0.69
V341709		35.1	17.0	22	9.96	1215	9.49	13.40	0.11	0.8	1.545	2.68	18.4	14.0	0.71
V341710		13.30	10.5	11	2.75	3020	18.30	5.48	0.11	0.2	1.980	0.95	5.0	13.4	0.70
V341711		17.60	4.3	11	6.74	2480	10.65	10.15	0.09	0.4	4.17	1.81	5.7	15.7	0.74
V341712		17.95	6.3	12	16.65	2680	12.95	9.93	0.09	0.5	2.09	1.66	7.7	26.9	0.29
V341713		14.60	6.4	16	7.27	3060	16.05	5.96	0.11	0.2	8.69	0.94	6.1	20.4	0.57
V341714		22.0	4.0	22	6.86	551	6.66	11.15	0.08	0.5	1.955	2.14	8.9	21.2	0.26
V341715		5.88	9.3	10	1.92	3670	33.1	2.61	0.16	0.2	1.015	0.51	2.6	4.3	0.19
V341716		19.70	62.9	48	1.40	>10000	10.15	16.25	0.13	0.6	3.16	0.87	9.2	6.0	0.86
V341717		29.4	18.6	15	9.33	4610	12.90	9.92	0.07	0.6	2.94	2.02	15.6	11.1	0.27
V341718		36.4	13.9	17	25.1	336	5.51	13.00	0.07	1.5	0.734	2.14	19.0	41.1	0.59
V341719		35.9	13.6	16	24.6	346	5.37	12.75	0.07	1.5	0.827	2.07	18.8	41.7	0.55
V341720		20.3	8.8	9	13.50	>10000	8.73	13.30	0.06	0.6	27.0	1.78	9.7	18.1	0.18
V341721		20.3	10.2	13	7.05	479	7.86	10.25	0.07	0.8	36.6	1.97	8.6	27.2	0.37
V341722		28.6	3.8	12	5.52	6840	8.94	14.45	0.07	0.9	5.57	2.03	14.7	8.3	1.32



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Sample Description	Method Analyte Units LOR	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	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
V341687		14.90	0.03	1.8	3.2	110	1525	67.7	0.003	>10.0	536	4.1	7	11.3	17.2	0.14
V341688		9.12	0.02	0.7	2.4	80	649	27.2	<0.002	>10.0	41.6	2.0	3	10.6	73.9	0.05
V341689		3.19	0.04	1.4	2.2	220	1100	95.3	<0.002	>10.0	13.45	4.0	3	10.0	38.3	0.12
V341690		2.97	0.04	4.6	2.7	570	349	171.5	<0.002	6.73	45.8	9.1	2	15.2	78.4	0.35
V341691		0.08	<0.01	0.1	1.6	190	2.8	1.4	<0.002	0.04	0.53	0.2	1	<0.2	49.7	<0.05
V341692		40.6	0.01	1.3	2.5	100	2850	39.6	<0.002	>10.0	116.0	2.2	3	4.8	33.5	0.10
V341693		1.44	0.02	5.6	2.5	440	2160	158.0	<0.002	>10.0	90.2	7.7	1	14.0	18.1	0.45
V341694		6.51	0.03	5.0	4.2	430	3290	151.5	<0.002	7.32	295	7.9	1	6.7	31.4	0.43
V341695		7.48	0.03	1.8	2.9	190	2580	77.5	<0.002	>10.0	1125	4.4	4	12.9	41.7	0.12
V341696		2.89	0.02	3.1	7.1	380	800	109.0	<0.002	>10.0	107.0	9.0	2	8.1	25.7	0.22
V341697		35.2	0.05	4.4	4.7	350	859	138.0	<0.002	6.32	58.9	7.4	1	37.9	30.9	0.37
V341698		3.81	0.02	2.3	2.7	200	884	81.4	0.003	>10.0	33.1	4.3	4	15.1	41.0	0.21
V341699		3.47	0.03	2.4	3.2	220	864	90.7	0.002	>10.0	29.0	4.8	4	15.2	39.9	0.22
V341700		14.80	<0.01	0.4	2.2	20	1305	16.7	<0.002	>10.0	1255	1.0	4	5.1	10.5	<0.05
V341701		11.70	0.03	1.8	2.6	270	2190	93.1	0.002	>10.0	187.5	5.5	4	11.0	39.1	0.14
V341702		1.10	0.01	2.6	4.6	480	1150	105.0	<0.002	>10.0	44.1	9.0	4	11.1	14.3	0.18
V341703		2.11	0.02	3.8	1.8	320	1365	129.0	<0.002	>10.0	98.7	5.7	2	6.9	27.2	0.31
V341704		3.46	0.01	3.0	1.3	340	3320	86.1	<0.002	>10.0	664	4.3	1	13.3	310	0.25
V341705		7.97	0.01	2.3	1.3	200	6220	78.3	<0.002	>10.0	465	4.0	2	19.3	70.3	0.18
V341706		0.21	<0.01	0.2	1.4	200	15.9	2.1	<0.002	0.06	2.52	0.2	1	<0.2	49.3	<0.05
V341707		89.4	0.02	1.9	3.1	150	>10000	65.6	0.002	>10.0	1905	3.3	2	16.8	47.2	0.16
V341708		5.90	0.02	4.1	3.8	350	2470	85.9	<0.002	>10.0	129.5	6.5	1	18.0	45.1	0.35
V341709		15.50	0.06	4.7	14.7	460	1705	144.0	<0.002	7.96	103.0	8.3	1	10.4	63.7	0.40
V341710		4.77	0.02	1.5	1.3	180	2100	63.2	<0.002	>10.0	331	3.1	2	9.6	27.3	0.12
V341711		3.55	0.02	3.3	1.4	260	1825	118.5	<0.002	>10.0	122.5	5.4	1	15.2	70.5	0.27
V341712		7.95	0.02	3.9	1.4	300	1480	106.5	<0.002	>10.0	705	5.7	1	10.1	59.0	0.33
V341713		55.1	0.01	1.8	1.6	170	2080	64.5	<0.002	>10.0	604	3.2	2	7.0	97.1	0.16
V341714		8.47	0.04	4.1	1.8	360	3090	133.5	<0.002	6.91	135.0	5.8	1	6.3	33.8	0.34
V341715		2.19	0.01	1.0	1.4	80	2470	29.7	<0.002	>10.0	137.0	1.5	11	3.1	40.3	0.08
V341716		155.5	1.18	2.2	19.5	590	>10000	28.3	0.072	>10.0	183.5	11.5	11	18.7	234	0.15
V341717		2.14	0.02	4.4	1.8	340	2420	112.5	<0.002	>10.0	505	6.5	2	10.6	28.3	0.35
V341718		10.75	0.03	6.4	5.5	530	929	124.0	<0.002	5.05	70.9	7.0	1	4.1	219	0.48
V341719		11.20	0.03	6.2	5.2	500	907	119.5	<0.002	5.01	71.8	6.7	1	4.0	214	0.46
V341720		27.8	0.03	3.7	1.4	260	4530	113.5	0.002	>10.0	1325	5.5	2	11.4	19.5	0.30
V341721		3.19	0.03	4.4	1.5	310	1930	110.0	<0.002	9.53	45.7	5.8	1	7.0	114.0	0.36
V341722		16.30	0.03	3.3	2.2	400	3370	124.0	0.002	9.03	940	5.7	2	16.4	67.2	0.24



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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	Au-AA24	
		Te	Th	Ti	Ti	U	V	W	Y	Zn	Zr	Au
		ppm 0.05	ppm 0.01	% 0.005	ppm 0.02	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V341687		2.78	4.20	0.060	0.79	4.2	32	7.5	5.7	1400	9.3	6.76
V341688		1.47	2.61	0.024	0.36	2.8	17	6.3	10.5	375	4.7	4.52
V341689		0.98	3.27	0.055	1.03	2.3	30	5.0	5.2	3680	11.7	1.200
V341690		1.31	10.45	0.152	2.33	4.5	60	7.7	8.5	1100	36.7	0.863
V341691		<0.05	0.11	<0.005	<0.02	0.5	2	0.1	0.8	26	<0.5	<0.005
V341692		2.28	2.02	0.043	0.76	4.1	17	2.1	4.5	>10000	5.5	>10.0
V341693		0.09	6.95	0.184	2.49	2.8	51	5.6	9.6	>10000	19.6	9.18
V341694		0.10	8.42	0.165	2.46	2.7	60	4.8	9.7	>10000	24.3	6.98
V341695		2.13	3.91	0.065	0.88	3.4	30	6.9	5.7	3010	7.7	6.57
V341696		2.06	4.24	0.147	1.93	2.6	60	4.3	8.3	486	24.6	2.76
V341697		0.45	8.05	0.143	2.33	3.8	58	4.4	8.8	>10000	18.5	1.835
V341698		1.48	5.03	0.077	1.10	2.8	29	5.4	6.7	908	9.5	8.67
V341699		1.51	5.68	0.080	1.19	3.0	31	5.4	7.0	927	10.1	9.26
V341700		4.12	0.83	0.014	0.38	0.7	8	0.6	2.0	880	2.0	3.19
V341701		4.69	5.30	0.073	1.16	6.7	39	4.4	7.4	3060	10.2	3.44
V341702		0.72	3.39	0.160	1.43	1.6	59	5.7	8.0	>10000	36.8	3.38
V341703		0.39	6.04	0.129	1.71	2.5	38	7.3	5.7	>10000	16.1	8.71
V341704		0.29	4.72	0.101	1.69	3.7	31	4.9	6.8	9600	14.3	>10.0
V341705		0.40	3.32	0.079	1.36	2.4	25	3.2	6.1	>10000	10.5	>10.0
V341706		<0.05	0.09	<0.005	<0.02	0.5	2	0.1	0.9	83	<0.5	0.061
V341707		0.60	1.98	0.062	1.09	5.3	21	1.5	5.3	>10000	7.6	>10.0
V341708		0.71	6.72	0.137	1.93	2.2	42	11.8	9.1	4470	15.0	2.40
V341709		0.72	8.42	0.170	2.08	5.0	58	7.4	9.1	3450	24.6	1.695
V341710		0.66	2.60	0.050	1.09	1.1	22	2.0	4.2	2190	5.7	3.82
V341711		0.30	5.07	0.111	1.71	2.9	37	5.5	7.0	>10000	12.6	5.25
V341712		0.49	6.32	0.118	1.73	3.3	34	4.2	7.6	2990	15.6	>10.0
V341713		0.54	3.68	0.059	1.21	2.7	20	1.9	6.0	>10000	7.7	9.00
V341714		0.19	5.52	0.139	1.94	2.6	44	3.3	6.6	7900	16.8	4.73
V341715		6.65	1.39	0.031	0.45	1.0	10	1.2	2.3	592	6.6	>10.0
V341716		0.49	1.76	0.184	7.35	2.2	128	9.5	13.5	>10000	13.0	>10.0
V341717		1.15	7.24	0.138	2.00	3.0	40	4.4	9.0	2480	17.5	>10.0
V341718		0.45	7.11	0.195	2.14	4.0	51	4.1	8.9	1750	57.9	1.185
V341719		0.44	6.93	0.189	2.03	3.9	49	4.0	8.6	1690	55.7	1.255
V341720		0.47	5.50	0.115	2.20	4.4	39	2.9	5.8	>10000	15.2	8.22
V341721		0.33	5.42	0.137	1.49	3.6	39	2.4	7.3	>10000	26.0	>10.0
V341722		18.15	5.97	0.107	1.73	4.3	41	5.7	9.1	4060	31.0	4.34



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 27-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA17145121

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24
BAG-06	CRU-31	CRU-QC
LOG-21	LOG-21d	LOG-23
ME-OG62	Pb-OG62	PUL-31
PUL-QC	SPL-21	SPL-21d
Zn-OG62		

Au-GRA22
Cu-OG62
ME-MS61
PUL-31d
WEI-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2017
This copy reported on
8-SEP-2017
Account: ROCKHA

CERTIFICATE VA17181866

Project: ROCKHA_VA17145117

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 28-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

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

To: **ROCKHAVEN 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-analysis results for samples originally reported on certificate VA17145117**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2017
Account: ROCKHA

Project: ROCKHA_VA17145117

CERTIFICATE OF ANALYSIS VA17181866

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
V339981		1.17	7.40	156.5	1080	1.74	0.27	1.95	19.75	53.1	5.9	11	29.5	13.5	2.79
V339982		1.48	7.56	206	1890	1.50	1.08	2.21	23.9	56.9	5.9	16	14.90	18.2	3.28
V339983		0.87	6.77	20.9	1620	1.67	0.44	1.98	13.15	42.3	5.2	14	10.05	9.1	2.53
V339984		8.48	6.94	320	1080	1.71	9.58	1.64	150.0	57.7	6.4	16	15.55	195.0	5.23
V339985		1.01	7.65	26.8	2050	1.72	0.79	2.28	16.20	48.8	5.8	13	14.30	16.6	3.45
V339986		1.37	6.86	237	2360	1.70	0.42	3.01	5.25	48.4	5.2	10	23.0	25.0	3.07
V339987		1.46	6.86	261	2390	1.63	0.47	3.01	6.13	50.2	5.9	13	21.0	32.7	3.06
V339988		>100	2.24	2480	340	0.76	34.6	2.31	23.0	16.25	65.9	12	3.43	2660	12.65
V339989		1.48	7.10	74.5	1560	1.40	0.59	1.90	12.05	40.1	6.0	13	18.85	33.5	3.25
V339990		0.20	7.55	9.4	2210	1.65	0.16	2.65	0.20	49.2	7.6	15	11.80	8.2	3.02
V339991		10.95	5.84	559	130	1.54	8.04	2.39	24.8	39.8	44.3	15	14.75	50.9	7.81
V339992		0.03	0.08	0.9	60	0.09	0.05	21.1	0.13	1.29	0.9	<1	0.22	3.0	0.46
V339993		0.09	7.40	4.8	2290	1.61	0.17	2.80	0.32	52.1	7.1	14	9.25	5.9	2.96
V339994		0.20	6.89	15.5	1580	1.51	0.12	2.73	0.29	42.8	5.9	10	20.3	7.7	2.79
V339995		0.38	6.91	30.5	2020	1.26	0.21	2.32	1.82	41.8	7.2	13	15.80	15.9	2.80
V339996		0.83	6.92	44.4	1160	1.48	1.03	2.51	5.85	35.6	6.1	15	17.00	26.6	3.04
V339997		10.70	6.47	1550	840	1.26	12.40	1.86	32.5	47.7	17.4	18	13.70	284	6.41
V339998		0.48	6.63	17.9	1540	1.68	0.32	2.90	0.78	28.1	11.7	16	17.40	9.4	2.43
V339999		0.09	7.27	11.1	2270	1.73	0.13	2.77	0.13	44.7	7.6	13	22.0	10.2	3.02
V340000		2.17	7.43	181.5	890	1.52	2.02	1.44	8.89	51.1	7.4	13	16.55	103.5	4.08
V340001		0.17	7.51	24.1	2500	2.01	0.19	2.03	0.61	65.3	5.5	15	20.2	9.9	2.32
V340002		0.11	7.73	39.2	830	1.72	0.18	1.63	0.22	74.4	8.4	25	21.2	13.7	2.69
V340003		8.60	7.03	355	460	1.53	1.32	0.37	96.8	50.0	7.2	11	13.55	70.8	6.25
V340004		1.40	7.20	58.6	2300	1.54	0.28	2.20	15.25	48.7	10.4	14	16.80	34.5	3.27
V340005		1.52	6.96	63.6	2310	1.46	0.28	2.19	15.75	44.5	13.7	18	16.75	35.7	3.35
V340006		1.48	7.18	42.8	1500	1.52	2.41	2.46	3.98	50.0	6.4	16	16.40	157.0	3.42
V340007		28.6	6.69	414	440	1.45	35.9	2.66	43.8	43.7	14.9	16	12.70	2470	5.16
V340008		0.04	0.07	0.6	50	0.06	0.06	21.3	0.14	1.27	0.7	1	0.20	6.3	0.48
V340009		0.19	7.44	8.2	2100	1.44	0.17	2.72	0.42	64.6	7.1	18	7.87	9.6	3.01
V340010		1.91	7.36	98.6	2010	1.44	0.90	2.36	14.45	55.8	5.9	17	10.20	37.9	3.73
V340011		9.60	6.74	1855	560	1.38	7.14	1.91	41.1	44.1	17.2	19	17.30	110.0	5.35
V340012		1.36	7.25	72.5	3450	1.65	1.09	2.24	8.67	41.5	4.1	15	15.70	44.6	2.28
V340013		>100	4.72	1035	1340	0.93	172.0	0.72	44.0	20.8	17.4	19	6.05	2260	9.68
V340014		1.40	7.52	93.8	1720	1.68	1.26	2.28	6.18	52.6	5.7	15	18.80	57.7	3.44
V340015		8.61	7.25	643	220	1.48	14.20	1.65	24.5	48.5	6.9	12	13.05	108.0	6.53
V340016		0.79	7.66	43.4	1990	1.56	0.99	2.37	3.77	54.1	6.7	16	12.55	46.6	3.66

Comments: **Re-analysis results for samples originally reported on certificate VA17145117**

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



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2017
Account: ROCKHA

Project: ROCKHA_VA17145117

CERTIFICATE OF ANALYSIS VA17181866

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
		Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
		ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10	ppm 0.5
V339981		0.13	1.2	0.138	2.79	29.1	59.8	0.68	1760	3.12	0.03	7.4	3.1	550	257
V339982		0.13	1.0	0.477	3.08	31.0	66.0	0.91	1490	2.62	0.04	7.0	2.3	570	349
V339983		0.08	0.9	0.112	3.07	19.6	58.2	0.58	1160	3.83	0.04	6.6	2.7	560	360
V339984		0.12	1.0	4.96	2.68	30.7	61.5	0.71	2300	8.28	0.03	8.1	2.8	640	876
V339985		0.12	1.1	0.214	3.42	25.2	16.1	0.66	1040	3.58	1.02	8.1	2.6	630	387
V339986		0.14	1.1	0.176	2.86	26.2	40.9	0.93	2490	3.10	0.02	7.4	2.6	560	297
V339987		0.13	1.1	0.172	2.79	27.5	44.7	0.89	2270	3.59	0.02	7.3	3.5	580	344
V339988		<0.05	0.3	1.650	1.04	7.9	27.2	0.36	1450	6.05	0.02	1.8	3.5	140	690
V339989		0.10	1.2	0.186	2.98	19.7	80.7	0.49	1350	2.66	0.08	8.2	2.3	610	370
V339990		0.16	1.1	0.046	2.80	25.0	27.2	0.73	615	2.74	1.65	8.5	2.9	610	21.4
V339991		0.08	0.9	0.257	2.69	20.4	11.1	0.73	2530	2.42	0.03	6.1	3.3	470	846
V339992		0.11	<0.1	<0.005	0.03	0.6	1.0	12.90	209	0.07	0.01	0.2	1.4	180	3.3
V339993		0.11	1.1	0.039	2.67	27.0	9.8	0.74	533	2.18	2.17	8.3	2.8	610	22.6
V339994		0.16	1.1	0.067	2.86	20.4	43.6	0.71	1390	1.60	1.03	8.0	2.2	580	23.1
V339995		0.15	1.1	0.114	3.04	20.5	68.5	0.62	1120	1.49	0.72	8.0	1.9	580	80.7
V339996		0.12	1.1	0.399	2.76	17.6	40.3	0.71	1520	1.72	0.61	7.3	2.8	570	51.5
V339997		0.10	1.0	0.775	2.79	25.7	19.4	0.75	1800	8.58	0.12	6.4	11.9	540	1280
V339998		0.13	1.1	0.061	2.53	13.2	75.2	0.70	792	1.39	1.16	7.6	2.6	610	72.1
V339999		0.14	1.2	0.036	2.71	22.1	25.8	0.71	559	2.45	2.25	8.6	2.5	630	16.7
V340000		0.15	1.1	0.365	3.61	27.0	30.7	0.59	1200	2.92	0.08	7.2	2.9	580	293
V340001		0.14	3.8	0.027	2.51	33.6	204	0.71	495	2.47	0.04	10.8	4.7	1100	20.5
V340002		0.16	4.5	0.037	2.52	39.0	90.6	0.99	515	3.43	0.05	11.8	8.9	1400	13.1
V340003		0.13	1.0	0.994	3.34	26.8	6.8	0.42	2220	1.46	0.03	7.4	2.5	550	4600
V340004		0.19	1.1	0.250	3.04	25.7	19.9	0.67	1050	1.71	1.29	7.6	2.2	550	649
V340005		0.18	1.1	0.260	3.08	23.2	19.2	0.66	1100	2.14	1.22	7.6	2.4	550	668
V340006		0.06	1.0	0.178	3.07	26.2	20.9	0.73	1070	5.86	0.86	7.1	7.8	560	98.1
V340007		0.06	1.0	3.17	3.04	22.9	17.0	0.85	1880	3.58	0.08	6.3	4.6	480	1395
V340008		<0.05	<0.1	0.005	0.03	0.6	0.8	13.10	204	0.45	0.01	0.2	4.3	170	3.7
V340009		0.07	1.2	0.040	2.58	36.0	8.4	0.79	612	4.39	2.31	8.0	3.1	590	34.3
V340010		0.07	1.1	0.292	2.74	31.1	10.6	0.82	1190	5.43	1.39	7.3	2.5	560	588
V340011		0.07	1.3	0.927	2.92	23.9	22.4	0.71	2000	11.60	0.27	7.4	15.8	510	1390
V340012		0.07	1.3	0.202	3.53	19.9	22.9	0.82	1590	3.27	0.05	7.9	2.3	600	228
V340013		0.05	0.8	5.34	2.22	7.4	15.7	0.35	1340	7.88	0.03	4.5	3.5	330	1390
V340014		0.08	1.2	0.256	3.53	28.6	89.6	0.64	1970	1.64	0.35	8.3	2.5	600	161.5
V340015		0.07	1.1	0.695	3.20	26.0	26.5	0.66	1500	1.76	0.71	7.0	2.1	550	700
V340016		0.09	1.0	0.099	3.45	29.9	29.7	0.78	1140	2.99	1.21	7.7	2.9	590	149.5

Comments: **Re-analysis results for samples originally reported on certificate VA17145117**

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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2017
Account: ROCKHA

Project: ROCKHA_VA17145117

CERTIFICATE OF ANALYSIS VA17181866

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 0.01	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
V339981		<0.002	1.08	18.10	10.0	1	2.3	96.8	0.58	<0.05	14.15	0.235	2.86	4.6	66	4.1
V339982		<0.002	0.67	8.72	10.2	1	2.5	120.5	0.57	<0.05	14.05	0.231	2.76	6.3	68	3.4
V339983		<0.002	0.36	6.19	9.6	1	2.5	88.0	0.53	<0.05	11.70	0.221	2.53	4.5	62	2.1
V339984		<0.002	3.20	26.0	12.5	1	5.3	149.0	0.60	0.05	11.85	0.274	2.57	7.3	90	4.9
V339985		<0.002	0.42	5.58	11.0	1	2.4	180.5	0.65	<0.05	13.20	0.262	2.36	4.4	74	2.2
V339986		0.002	0.96	21.7	10.0	1	3.0	88.3	0.59	<0.05	12.10	0.237	3.15	6.4	68	4.6
V339987		0.002	0.99	20.9	10.2	1	3.8	97.2	0.57	<0.05	12.50	0.239	3.14	7.0	68	4.1
V339988		<0.002	>10.0	861	3.8	2	6.9	40.4	0.16	1.54	2.79	0.061	0.91	19.1	29	2.3
V339989		<0.002	0.77	22.4	9.5	1	3.4	118.5	0.67	<0.05	11.05	0.257	1.99	2.8	72	3.6
V339990		<0.002	0.06	5.45	10.5	1	1.8	292	0.68	<0.05	12.95	0.266	1.30	3.8	72	1.6
V339991		0.002	6.60	13.85	8.4	1	3.9	80.7	0.48	3.45	9.87	0.196	2.59	5.0	59	4.5
V339992		<0.002	0.01	0.17	0.2	1	<0.2	45.3	<0.05	<0.05	0.11	0.005	<0.02	0.7	3	0.1
V339993		<0.002	0.05	2.78	9.7	1	1.8	358	0.65	<0.05	12.90	0.258	1.16	3.9	70	1.1
V339994		<0.002	0.20	6.49	9.0	1	1.9	224	0.66	<0.05	10.65	0.252	2.23	3.4	69	2.2
V339995		<0.002	0.30	7.41	9.4	1	2.1	213	0.62	<0.05	11.45	0.257	1.85	3.2	70	1.9
V339996		<0.002	0.47	7.65	9.5	1	3.7	158.5	0.56	0.05	11.65	0.239	2.55	4.1	68	2.5
V339997		0.002	4.63	64.0	8.8	2	7.8	96.5	0.50	0.90	11.65	0.215	2.54	5.2	63	5.7
V339998		<0.002	0.33	8.20	9.3	1	2.6	238	0.60	0.15	9.88	0.247	1.88	3.5	75	2.1
V339999		<0.002	0.03	2.24	10.7	1	1.7	398	0.69	<0.05	11.60	0.275	1.25	3.9	75	1.5
V340000		<0.002	3.19	14.15	10.1	1	4.8	91.1	0.60	0.16	13.25	0.234	2.91	5.3	67	3.5
V340001		<0.002	0.14	16.20	5.2	1	1.8	426	0.73	<0.05	9.49	0.323	1.21	3.5	53	2.5
V340002		<0.002	0.05	14.55	6.7	1	1.8	485	0.72	<0.05	9.73	0.375	1.19	3.3	70	1.6
V340003		<0.002	5.40	16.00	9.7	1	7.3	32.1	0.60	<0.05	13.80	0.234	3.22	3.6	63	5.0
V340004		<0.002	0.87	4.46	9.6	1	2.5	264	0.61	0.07	13.10	0.238	1.96	3.8	65	2.4
V340005		<0.002	1.01	4.64	9.4	1	2.6	254	0.61	0.11	12.50	0.236	2.05	3.6	65	2.3
V340006		0.002	0.61	3.20	9.9	1	2.6	205	0.57	<0.05	12.80	0.233	2.06	4.2	66	2.9
V340007		<0.002	2.95	21.9	8.5	1	4.7	129.0	0.53	0.72	11.20	0.200	2.36	4.1	56	2.9
V340008		<0.002	<0.01	0.09	0.2	<1	<0.2	50.7	<0.05	<0.05	0.11	<0.005	0.02	0.6	2	0.1
V340009		<0.002	0.10	1.66	10.1	1	2.0	377	0.65	<0.05	14.45	0.248	1.18	4.9	68	1.7
V340010		<0.002	0.92	3.23	9.4	1	4.1	269	0.57	<0.05	12.90	0.236	1.45	4.4	66	3.6
V340011		<0.002	3.10	32.9	8.4	1	5.7	151.5	0.59	0.30	10.90	0.208	2.48	4.9	58	5.0
V340012		<0.002	0.60	16.20	10.3	1	3.8	188.5	0.69	0.05	12.75	0.234	2.83	4.9	61	3.3
V340013		<0.002	9.83	414	6.2	1	7.5	89.7	0.37	0.62	5.39	0.146	1.79	3.6	44	3.6
V340014		<0.002	0.86	12.90	10.7	1	3.0	183.5	0.70	<0.05	14.55	0.250	2.58	5.2	68	3.1
V340015		<0.002	4.36	11.25	9.4	1	5.1	190.5	0.60	0.26	12.70	0.218	2.20	4.4	61	4.0
V340016		<0.002	0.58	4.67	10.6	1	3.3	270	0.62	<0.05	14.45	0.251	2.04	4.9	70	3.3

Comments: **Re-analysis results for samples originally reported on certificate VA17145117**

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



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2017
Account: ROCKHA

Project: ROCKHA_VA17145117

CERTIFICATE OF ANALYSIS VA17181866

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Ag-OG62 Ag ppm 1	Zn-OG62 Zn % 0.001
V339981		13.0	840	33.3		
V339982		13.7	1480	27.6		
V339983		10.7	892	26.5		
V339984		16.9	>10000	30.7		1.360
V339985		14.4	1240	32.5		
V339986		15.6	541	30.2		
V339987		16.4	641	30.7		
V339988		9.2	1460	7.3	168	
V339989		13.1	898	33.1		
V339990		16.3	55	30.8		
V339991		11.8	1650	24.6		
V339992		0.8	21	<0.5		
V339993		16.4	54	31.7		
V339994		14.1	50	30.1		
V339995		14.0	178	32.0		
V339996		12.8	615	31.9		
V339997		11.3	2390	30.5		
V339998		11.9	94	32.1		
V339999		16.7	43	33.8		
V340000		11.7	694	31.0		
V340001		9.5	110	155.0		
V340002		11.8	93	195.5		
V340003		9.1	6700	30.3		
V340004		13.0	1250	32.7		
V340005		12.2	1260	32.3		
V340006		13.7	458	26.9		
V340007		11.2	4370	26.7		
V340008		0.8	27	<0.5		
V340009		17.9	77	33.9		
V340010		14.7	1520	33.3		
V340011		11.3	3090	39.1		
V340012		15.1	652	36.9		
V340013		7.9	3570	21.0	105	
V340014		15.6	504	34.1		
V340015		12.5	1800	32.4		
V340016		15.7	348	29.5		

Comments: **Re-analysis results for samples originally reported on certificate VA17145117**

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

Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	FND-02	ME-MS61	ME-OG62
	Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-JUL-2017
Account: ROCKHA

CERTIFICATE WH17125046

Project: Klaza

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 21-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

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

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17125046

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	As-OG62 As %	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	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V340401		0.34			11.10	0.54	69.9	350	0.16	1.54	0.07	2.41	6.75	5.2	11	0.24
V340402		0.43			2.72	4.31	769	3020	1.59	0.50	0.05	0.83	59.6	2.9	19	2.80
V340403		0.49			0.36	4.23	26.7	1980	1.07	0.40	0.02	6.63	69.5	4.3	29	2.93
V340404		1.18			1.13	8.52	1480	1040	1.37	4.37	0.21	0.41	63.5	9.9	45	16.50
V340405		1.21			0.72	9.02	678	780	1.88	3.53	0.22	0.81	59.6	29.0	40	7.09
V340406		1.21			1.05	8.54	1650	960	2.08	4.36	0.16	0.96	64.1	13.4	44	19.40
V340407		0.41			1.58	5.92	14.7	610	0.97	0.25	1.05	5.08	37.5	9.0	14	3.21
V340409		0.33	98		>100	8.12	24.1	3770	0.59	3.52	0.18	1.92	29.5	13.9	18	1.67
V340411		0.29			54.9	2.53	3330	410	0.53	3.48	0.05	26.5	32.7	0.7	14	1.55
V340412		1.04			2.28	6.46	133.5	2790	0.43	0.29	0.14	2.66	146.0	9.7	15	3.69
V340413		0.83			26.9	1.83	226	170	0.38	4.24	0.04	3.60	7.82	2.3	16	0.62
V340451		0.32		1.200	10.90	4.55	>10000	3650	3.08	0.82	0.10	4.09	37.2	1.3	33	10.30
V341951		3.75			1.03	7.86	40.4	1530	1.42	1.97	0.42	4.99	53.6	8.5	12	9.30
V341952		3.94			1.68	7.77	54.7	1350	1.52	3.31	0.90	5.92	53.2	8.8	12	8.49
V341953		4.16			1.80	8.05	25.9	1430	1.67	1.80	0.89	5.93	66.3	14.4	13	8.86
V341954		3.02			16.15	7.25	114.5	1200	1.76	6.23	0.31	8.48	52.4	10.5	12	19.25
V341955		3.91			16.35	6.95	192.5	850	1.71	5.33	0.23	3.75	50.7	3.9	11	22.7
V341956		3.46			3.94	7.19	84.5	1230	1.58	4.30	0.24	2.52	42.4	7.1	10	17.20
V341957		3.69			0.45	7.92	27.5	1060	1.47	1.29	0.24	0.52	52.8	9.6	11	9.12
V341958		0.57	977		>100	3.73	2730	520	0.82	0.67	0.06	0.70	43.4	0.7	8	14.80
V341959		0.39			4.25	8.76	100.0	2070	1.28	2.04	0.91	26.8	62.3	19.2	19	5.53
V341960		0.46			7.14	7.33	1525	830	1.48	3.70	0.12	10.65	57.8	6.2	11	15.30
V341961		1.05			5.88	8.16	3430	740	2.38	2.49	0.08	85.3	46.1	21.1	73	5.77
V341962		0.75			7.46	10.10	455	930	1.71	3.64	0.07	17.70	52.7	7.4	97	7.12
V341963		0.39			10.45	3.06	5720	320	0.50	13.85	0.07	6.93	21.7	0.8	18	2.14
V341964		1.13			5.84	3.47	1615	70	0.51	7.31	0.08	27.3	8.23	1.1	13	0.76
V341965		0.47			27.9	6.06	4040	900	1.35	14.50	0.16	102.5	47.8	3.3	23	3.05
V341966		0.58		1.660	60.7	4.26	>10000	70	2.31	18.30	0.19	185.5	28.3	5.3	9	2.76
V341967		1.51		1.370	93.0	3.77	>10000	220	0.58	8.55	0.23	100.5	34.6	5.2	12	2.72
V341968		0.44	145	2.56	>100	5.21	>10000	350	1.66	48.9	0.17	222	37.3	8.3	14	29.5
V341969		0.94		1.650	12.10	3.63	>10000	500	0.63	9.51	0.11	32.3	28.1	14.3	12	3.41
V341970		0.57			11.25	6.80	6930	1050	1.64	3.49	0.14	64.2	50.2	3.6	13	9.71
V341971		0.51			6.62	7.32	4120	200	1.17	1.58	0.17	20.9	54.6	7.2	23	7.19
V341972		0.57			0.33	0.51	60.8	60	0.17	0.18	34.9	1.83	5.32	4.8	2	1.82
V341973		0.45		1.245	51.1	3.26	>10000	1570	0.64	0.16	0.18	5.28	12.80	0.6	12	8.99
V341975		0.45			27.5	4.94	3140	660	0.92	0.45	0.32	38.8	31.0	19.4	22	11.00



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Page: 2 - B
Total # Pages: 2 (A - D)
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Finalized Date: 17-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17125046

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
V340401		34.2	1.58	1.79	0.08	0.1	0.130	0.22	3.3	2.3	0.12	250	85.0	0.02	1.1	2.0
V340402		87.7	1.49	7.17	0.16	1.9	0.083	1.81	30.6	46.8	0.11	683	3.58	0.04	5.7	4.4
V340403		13.3	1.14	8.63	0.16	2.0	0.096	2.05	31.1	22.3	0.13	5650	4.21	0.04	7.0	3.3
V340404		203	4.90	17.50	0.17	3.2	0.324	3.13	31.9	49.2	0.26	758	2.95	0.04	8.0	13.1
V340405		118.5	3.55	17.50	0.17	3.6	0.239	1.72	28.7	46.6	0.15	5700	3.61	0.02	8.5	20.4
V340406		150.5	5.60	17.65	0.17	3.5	0.297	3.48	43.4	11.1	0.27	1920	2.83	0.04	7.9	18.9
V340407		108.0	2.70	11.70	0.13	1.5	0.057	2.71	19.5	7.8	0.69	849	96.2	0.69	5.2	3.6
V340409		4000	4.47	16.50	0.14	2.7	1.675	5.88	9.8	18.0	1.05	746	5.60	0.18	6.8	5.9
V340411		301	4.10	7.16	0.11	0.9	1.265	1.21	17.4	5.6	0.15	111	4.12	0.03	1.6	1.5
V340412		146.0	5.71	14.20	0.17	2.8	0.145	4.14	53.2	22.5	1.58	962	4.99	0.25	4.6	5.4
V340413		197.0	1.73	4.42	0.10	0.6	0.055	0.83	4.1	3.5	0.22	269	8.24	0.02	1.7	1.5
V340451		103.0	4.59	8.12	0.13	1.2	0.092	1.69	22.1	30.5	0.12	226	3.17	0.02	4.3	4.3
V341951		29.8	2.99	15.55	0.14	0.7	0.081	3.14	29.2	16.8	0.44	857	1.38	0.52	7.5	3.5
V341952		77.5	3.25	15.20	0.16	0.7	0.122	2.62	27.4	19.8	0.69	941	4.17	1.00	7.5	3.5
V341953		47.7	3.60	15.85	0.17	0.7	0.187	2.89	34.3	15.5	0.81	1480	4.24	1.28	8.0	4.1
V341954		189.5	5.03	14.45	0.14	0.6	0.725	2.70	29.5	18.0	0.40	3200	4.01	0.25	5.6	4.8
V341955		143.5	5.05	14.00	0.11	0.6	0.515	2.65	30.2	17.2	0.34	1140	2.71	0.11	5.7	3.2
V341956		176.0	4.66	12.95	0.13	0.6	0.667	2.71	24.3	18.9	0.42	528	2.25	0.13	6.0	2.9
V341957		82.0	3.32	15.45	0.15	0.6	0.070	2.36	29.0	24.5	0.24	791	2.38	0.19	7.4	4.7
V341958		52.5	2.75	8.82	0.12	2.0	0.029	1.70	26.1	32.1	0.12	52	2.86	0.05	4.3	1.0
V341959		33.3	5.16	16.50	0.16	2.9	0.148	3.04	33.0	23.1	1.41	4420	0.69	0.06	6.6	9.7
V341960		20.8	6.80	14.40	0.14	3.3	0.053	3.26	32.0	9.6	0.25	217	0.75	0.05	6.0	2.9
V341961		54.3	14.05	17.20	0.12	2.5	0.198	2.56	21.7	24.2	0.47	3770	4.79	0.03	5.8	27.0
V341962		89.2	8.26	20.2	0.14	3.4	0.404	3.17	24.2	29.7	0.42	2130	2.94	0.04	7.8	18.2
V341963		29.2	2.80	6.67	0.10	1.1	0.130	1.06	10.5	10.6	0.12	288	7.48	0.03	2.6	1.3
V341964		34.6	4.58	9.28	0.05	1.0	1.735	0.13	4.4	16.6	1.90	705	5.83	0.02	1.7	2.6
V341965		50.4	5.64	14.10	0.14	3.1	1.375	2.01	25.5	12.1	0.88	620	5.30	0.04	6.5	2.7
V341966		199.0	23.8	12.60	0.14	1.7	2.55	0.21	15.1	32.4	0.07	849	16.60	0.01	2.9	4.8
V341967		86.5	6.03	9.96	0.10	1.3	0.207	0.74	20.2	20.4	0.49	459	1.54	0.01	2.7	2.1
V341968		169.0	8.77	12.15	0.12	2.5	6.88	1.91	20.6	16.5	0.41	5710	3.19	0.02	5.5	3.1
V341969		71.6	4.82	7.65	<0.05	1.4	0.235	1.45	15.3	15.0	0.28	1060	2.37	0.02	2.9	3.0
V341970		85.4	12.55	15.00	<0.05	2.1	0.378	2.67	28.0	13.1	0.21	681	5.53	0.03	4.3	2.4
V341971		39.7	8.21	14.40	<0.05	3.1	0.045	1.26	29.5	35.7	0.13	927	2.18	0.02	7.2	7.1
V341972		1.7	2.31	1.12	<0.05	0.1	0.011	0.18	2.8	9.5	0.44	2390	0.16	0.01	0.2	1.6
V341973		24.9	3.20	7.47	<0.05	0.6	0.060	1.44	6.9	41.9	0.16	123	3.89	0.03	1.9	1.0
V341975		31.3	5.32	10.80	<0.05	1.5	0.154	2.30	25.8	28.9	0.23	8870	1.86	0.03	4.5	7.4



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To: ROCKHAVEN RESOURCES LTD.
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1016 - 510 W HASTINGS STREET
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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17125046

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
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
V340401		60	223	11.2	0.005	0.02	2.71	0.8	1	2.9	6.7	0.05	5.02	1.06	0.029	0.29
V340402		100	55.3	85.5	<0.002	0.12	77.9	3.5	1	1.1	28.2	0.56	0.16	87.6	0.050	0.92
V340403		50	18.2	107.0	<0.002	0.05	32.5	2.5	1	0.9	21.9	0.64	0.12	16.30	0.049	1.10
V340404		720	22.8	164.5	<0.002	0.46	142.5	18.0	1	3.6	104.5	0.51	1.05	14.35	0.450	5.41
V340405		1070	26.1	96.1	<0.002	0.04	70.7	18.6	1	2.7	128.5	0.60	0.89	13.90	0.459	2.40
V340406		810	39.7	193.5	<0.002	0.31	92.4	21.1	2	3.6	81.4	0.55	1.29	14.30	0.433	5.84
V340407		370	38.0	139.0	0.028	0.03	1.80	7.6	1	2.4	100.0	0.39	0.05	10.70	0.210	2.12
V340409		620	145.5	117.0	<0.002	0.03	4.17	11.4	3	4.3	144.0	0.56	2.25	12.60	0.320	4.10
V340411		270	1365	66.5	<0.002	0.22	108.5	4.6	3	3.8	55.9	0.12	1.45	4.99	0.082	2.65
V340412		390	76.6	131.5	0.008	0.01	7.47	9.5	1	7.2	93.2	0.40	0.12	11.40	0.232	6.05
V340413		130	579	49.2	<0.002	0.02	10.40	3.0	1	3.5	6.3	0.12	0.52	2.78	0.078	1.19
V340451		460	106.0	101.0	<0.002	0.20	171.5	10.8	2	1.1	179.5	0.36	0.34	8.80	0.158	6.79
V341951		490	66.9	155.5	<0.002	0.15	9.40	8.5	1	2.7	127.0	0.72	0.30	14.50	0.235	2.42
V341952		500	85.8	128.0	<0.002	0.15	17.80	9.0	1	2.0	175.5	0.69	0.58	14.30	0.238	1.90
V341953		520	258	141.5	0.002	0.19	8.28	9.7	1	2.2	209	0.72	0.52	16.75	0.252	2.21
V341954		520	3860	142.0	<0.002	0.33	68.5	9.0	1	2.4	107.0	0.46	1.22	12.85	0.195	2.47
V341955		580	4910	151.0	<0.002	0.50	56.1	8.5	1	3.0	129.0	0.50	1.52	13.85	0.200	2.51
V341956		490	455	132.5	<0.002	0.39	163.5	8.7	2	2.6	73.9	0.56	0.85	11.70	0.210	2.21
V341957		540	37.4	130.0	0.002	0.33	20.0	9.5	1	1.5	62.6	0.81	0.33	12.70	0.235	1.74
V341958		770	7060	89.9	<0.002	0.38	335	6.3	1	6.0	127.5	0.33	0.07	8.58	0.185	2.70
V341959		880	133.5	127.0	<0.002	0.02	10.40	13.1	1	4.0	61.6	0.51	<0.05	13.95	0.381	2.88
V341960		990	1770	184.5	<0.002	0.03	79.0	10.1	<1	1.6	35.6	0.47	<0.05	10.95	0.281	6.32
V341961		1310	453	139.0	<0.002	0.01	97.0	21.2	3	5.4	17.5	0.45	<0.05	8.87	0.328	4.16
V341962		1070	862	193.0	<0.002	0.01	33.5	21.1	1	8.8	16.6	0.58	<0.05	11.65	0.441	4.40
V341963		260	515	66.5	<0.002	0.02	64.6	5.5	6	1.8	15.6	0.20	4.50	7.19	0.106	2.20
V341964		290	317	6.5	<0.002	0.03	21.6	3.8	1	1.3	37.5	0.13	<0.05	3.29	0.100	0.25
V341965		610	2630	107.5	<0.002	0.11	41.2	9.9	2	3.9	102.0	0.48	<0.05	10.85	0.292	2.47
V341966		1210	5630	11.7	<0.002	0.21	893	16.5	7	1.7	32.4	0.21	<0.05	9.53	0.147	2.91
V341967		410	2560	43.2	<0.002	0.26	125.5	6.6	2	3.4	174.0	0.20	0.22	5.94	0.153	1.36
V341968		800	2800	162.5	<0.002	0.16	125.5	8.7	8	6.5	98.8	0.48	0.49	10.45	0.227	8.74
V341969		250	1005	76.0	<0.002	1.47	130.5	6.1	2	2.6	34.2	0.25	0.17	6.17	0.139	2.42
V341970		910	1695	140.5	<0.002	0.10	193.5	10.1	8	4.6	40.6	0.33	0.16	13.60	0.242	7.42
V341971		580	82.5	84.2	<0.002	0.01	116.5	8.7	1	3.9	22.3	0.54	<0.05	14.00	0.313	6.85
V341972		40	137.0	9.6	<0.002	<0.01	8.24	2.0	2	0.2	782	<0.05	<0.05	0.26	0.021	0.16
V341973		250	6210	86.3	<0.002	0.34	175.0	5.2	1	6.0	267	0.12	<0.05	1.92	0.124	1.20
V341975		440	1970	138.0	<0.002	0.10	72.4	11.1	1	1.3	73.0	0.32	0.12	7.14	0.238	2.81



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 17-JUL-2017
 Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17125046

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	Au-AA24 Au ppm 0.005
V340401		0.8	16	0.8	1.4	126	3.6	1.065
V340402		14.8	11	1.1	15.2	127	57.2	0.129
V340403		5.5	4	2.2	29.7	612	54.6	<0.005
V340404		3.9	167	6.6	19.6	280	130.0	0.015
V340405		3.6	164	5.9	23.0	486	130.5	0.007
V340406		4.5	160	5.4	26.7	314	133.5	0.010
V340407		3.1	71	2.7	10.7	224	54.4	0.024
V340409		3.7	110	2.4	12.3	312	94.8	0.831
V340411		4.7	74	2.7	4.0	108	33.4	0.548
V340412		4.5	87	3.4	13.4	447	98.3	0.019
V340413		1.0	34	2.7	2.6	164	21.0	0.109
V340451		9.2	54	4.0	34.7	201	36.1	0.335
V341951		2.7	75	1.9	12.9	392	15.4	0.052
V341952		2.6	76	1.7	12.4	423	16.9	0.578
V341953		2.3	79	1.9	13.7	528	17.9	0.037
V341954		5.5	72	2.1	16.6	861	17.0	0.314
V341955		4.6	70	2.8	9.0	698	15.1	0.526
V341956		2.9	79	3.5	9.0	458	15.3	0.073
V341957		2.6	81	3.0	13.2	70	15.1	0.039
V341958		4.5	51	1.3	7.7	74	77.9	0.563
V341959		2.8	128	3.7	24.7	1030	109.5	0.012
V341960		4.7	109	2.6	18.2	601	127.5	0.023
V341961		3.1	153	3.5	38.0	2330	95.7	0.015
V341962		3.4	152	6.1	26.0	2120	126.5	0.011
V341963		2.0	33	8.9	4.6	130	43.2	0.878
V341964		2.4	47	0.9	4.1	804	40.3	0.035
V341965		5.3	76	2.8	12.7	1390	122.5	0.090
V341966		21.7	124	4.1	29.7	6210	66.7	0.244
V341967		3.7	58	5.6	9.0	2040	50.6	0.321
V341968		9.0	65	4.9	20.6	1990	86.1	1.930
V341969		3.8	51	2.8	11.4	923	58.7	1.170
V341970		7.6	121	3.5	17.1	1740	78.6	0.049
V341971		7.7	82	10.0	19.5	691	121.0	0.023
V341972		0.3	30	0.3	16.3	75	3.5	0.006
V341973		2.0	47	1.8	3.4	100	19.1	7.81
V341975		4.2	88	1.7	19.6	1860	59.6	1.200



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 17-JUL-2017
 Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17125046

	CERTIFICATE COMMENTS			
	ANALYTICAL COMMENTS			
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61			
	LABORATORY ADDRESSES			
	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
Applies to Method:	CRU-31	CRU-QC	LOG-21	PUL-31
	PUL-QC	SPL-21	WEI-21	
	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
Applies to Method:	Ag-OG62	As-OG62	Au-AA24	ME-MS61
	ME-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18-JUL-2017
Account: ROCKHA

CERTIFICATE WH17125048

Project: Klaza

This report is for 9 Rock samples submitted to our lab in Whitehorse, YT, Canada on 21-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: ROCKHAVEN RESOURCES LTD.
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 18-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17125048

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR22 Au ppm	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Ag-GR21 Ag ppm	As-OG62 As %	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
		0.02	0.05	1	0.001	5	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01
V341976		0.45						0.18	0.45	43.1	6840	0.15	0.02	0.03	0.16	2.42
V341977		2.26						3.84	3.84	14.9	880	0.67	0.59	0.29	0.86	21.7
V341978		0.73						9.32	0.19	304	150	0.15	8.60	0.02	1.20	2.28
V341979		1.54		>1500		1615		>100	0.24	4360	740	0.75	2.42	0.06	72.1	14.35
V341980		0.61		>1500		2070		>100	0.12	6560	70	0.74	2.41	0.06	122.5	12.40
V341981		0.63		>1500		2160		>100	0.20	5680	40	0.80	2.04	0.06	98.7	13.35
V341982		1.31		>1500		1755		>100	0.20	6210	30	0.97	3.68	0.10	129.5	11.75
V340408		0.28	35.3	1145	7.66		4.34	>100	1.35	>10000	610	0.75	0.32	0.71	147.5	10.75
V340410		0.27		233	2.41			>100	2.04	9020	190	0.75	0.29	0.07	23.5	25.3



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Page: 2 - B
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 18-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17125048

Sample Description	Method Analyte Units LOR	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05
V341976		1.6	3	0.56	37.2	0.56	0.95	<0.05	0.1	<0.005	0.05	1.1	11.4	0.02	537	1.85
V341977		4.9	18	1.95	132.5	3.29	8.41	<0.05	1.1	0.108	2.20	10.5	6.5	0.58	467	1035
V341978		12.3	10	0.15	127.5	4.28	0.56	<0.05	<0.1	0.045	0.08	1.1	1.7	0.01	69	49.0
V341979		15.7	18	0.16	1920	22.4	4.49	<0.05	<0.1	0.358	0.07	11.7	5.0	0.05	109	88.6
V341980		7.7	13	0.09	2790	29.7	3.22	<0.05	<0.1	0.201	0.03	14.4	3.7	0.06	65	111.0
V341981		15.9	14	0.15	2550	26.5	3.95	<0.05	<0.1	0.417	0.05	13.8	5.1	0.05	87	227
V341982		21.7	13	0.16	2200	26.2	4.36	<0.05	<0.1	0.264	0.06	17.1	6.8	0.05	334	93.5
V340408		4.0	9	3.22	1110	21.8	6.26	<0.05	0.3	0.301	0.36	6.3	47.6	0.04	353	5.38
V340410		4.4	11	10.00	181.0	6.16	5.27	<0.05	0.5	0.067	0.74	13.0	59.5	0.07	146	3.33



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Page: 2 - C
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 18-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17125048

Sample Description	Method Analyte Units LOR	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm
		0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05
V341976		<0.01	0.5	2.0	60	4.6	3.8	<0.002	0.03	24.5	0.9	1	0.2	333	<0.05	<0.05
V341977		0.72	4.4	3.3	280	47.3	85.1	0.481	0.24	0.94	6.4	1	1.9	86.8	0.28	0.10
V341978		0.01	0.2	1.7	50	79.4	4.4	0.002	0.02	2.92	0.3	4	0.3	2.3	<0.05	3.76
V341979		0.01	0.1	2.6	730	5480	3.4	<0.002	0.08	800	0.6	5	59.8	9.3	<0.05	0.71
V341980		<0.01	0.1	2.2	710	6870	1.0	<0.002	0.11	764	0.5	5	61.9	8.6	<0.05	0.31
V341981		0.01	0.1	2.6	770	6560	2.5	<0.002	0.07	618	0.5	9	79.6	7.8	<0.05	0.41
V341982		0.01	0.1	2.4	690	6380	3.0	<0.002	0.09	652	0.6	3	69.3	9.3	<0.05	1.33
V340408		0.03	0.7	3.6	690	>10000	17.7	<0.002	1.66	1315	2.7	1	28.1	195.0	0.05	<0.05
V340410		0.03	1.2	6.0	420	>10000	40.4	<0.002	0.56	311	4.0	1	3.8	149.5	0.08	<0.05



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 18-JUL-2017
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CERTIFICATE OF ANALYSIS WH17125048

Sample Description	Method Analyte Units LOR	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
V341976		0.52	0.014	0.34	0.4	6	0.4	1.0	18	4.2	0.005
V341977		6.66	0.166	1.15	1.3	52	2.0	6.3	147	34.2	0.061
V341978		0.33	0.011	0.10	3.1	11	1.8	2.9	52	1.2	0.156
V341979		0.40	0.006	0.10	15.6	95	5.7	14.7	2010	1.5	2.37
V341980		0.21	<0.005	0.04	18.9	54	5.1	15.9	2100	0.5	2.82
V341981		0.30	<0.005	0.08	23.7	118	6.9	17.8	2390	0.9	1.360
V341982		0.35	0.005	0.10	17.4	59	6.2	21.4	2900	1.3	2.64
V340408		1.70	0.046	0.33	6.4	43	1.3	6.2	5260	10.4	>10.0
V340410		2.77	0.075	0.66	3.0	45	1.2	4.2	1240	17.4	3.28



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 18-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17125048

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
 CRU-31 CRU-QC LOG-21 PUL-31
 PUL-QC SPL-21 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
 Ag-GRA21 Ag-OG62 As-OG62 Au-AA24
 Au-GRA22 ME-MS61 ME-OG62 Pb-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

CERTIFICATE WH17127889

Project: Klaza

P.O. No.: 17-001

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
WSH-21	"Wash" crushers
WSH-22	"Wash" pulverizers
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17127889

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V339001		1.46	24.5	6.45	639	1880	1.54	22.0	0.24	12.75	83.8	13.6	7	11.45	42.7	3.60
V339002		7.67	1.38	7.69	168.5	1370	1.72	0.33	0.54	11.35	49.6	4.7	9	9.72	11.0	3.44
V339003		10.58	0.55	7.38	115.5	1600	1.63	0.28	2.30	1.23	49.9	2.5	8	14.45	8.3	3.14
V339004		7.10	0.16	7.25	18.6	1900	1.61	0.16	2.40	0.21	40.6	4.5	8	17.25	5.0	2.89
V339005		3.39	4.15	6.76	194.5	1520	1.85	0.66	2.82	8.23	47.0	5.9	8	13.35	26.0	3.06
V339006		8.71	1.08	7.31	489	1900	1.64	0.23	2.36	6.24	48.3	5.0	8	17.70	28.8	3.04
V339007		3.28	0.45	7.36	97.7	1840	1.75	0.16	2.34	0.47	48.3	5.1	13	17.10	26.4	3.02
V339008		4.10	0.17	7.97	29.0	1810	1.45	0.28	1.32	0.25	44.1	5.6	7	18.80	7.0	2.86
V339009		2.04	9.18	6.02	1735	540	1.38	0.83	3.01	48.4	43.0	6.2	6	17.00	40.4	3.75
V339010		6.06	0.01	0.05	0.9	20	0.05	0.02	21.2	0.08	1.03	0.8	<1	0.13	1.8	0.46
V339011		4.81	0.52	6.85	129.5	950	1.50	0.27	3.09	0.58	41.6	4.7	7	16.10	3.4	2.99
V339012		7.03	0.41	6.96	70.2	1570	1.34	0.19	2.26	0.51	40.1	3.3	7	16.20	5.2	2.71
V339013		0.31	37.7	5.76	2500	210	1.08	34.2	1.69	45.3	32.7	17.2	21	10.15	1175	9.23
V339014		11.22	0.19	6.95	22.8	1720	1.59	0.20	2.49	0.18	39.3	4.4	7	18.25	3.5	2.61
V339015		6.81	0.21	6.95	19.1	2010	1.61	0.25	2.60	0.15	39.0	5.0	8	12.10	4.9	2.53
V339016		4.01	0.13	6.91	12.3	1870	1.38	0.19	1.96	0.19	35.8	3.7	9	12.45	4.8	2.32
V339017		2.59	1.68	6.46	111.0	1000	1.49	0.20	2.57	2.09	39.2	4.4	7	20.1	10.1	2.17
V339018		9.85	0.14	6.87	29.1	1420	1.77	0.27	2.05	0.35	55.0	5.5	14	22.3	11.2	2.33
V339019		0.32	9.01	6.78	1835	610	1.52	6.43	1.96	41.4	43.5	17.7	21	16.30	112.0	5.31
V339020		11.12	0.16	7.31	16.8	2530	1.58	0.27	2.13	0.23	39.7	5.7	8	21.2	7.1	2.87
V339021		4.56	3.95	6.22	254	2190	1.61	0.53	2.80	7.55	41.1	8.4	7	23.4	17.8	2.88
V339022		6.10	0.01	0.08	<0.2	40	0.07	0.02	21.1	0.06	1.14	0.9	2	0.25	1.8	0.45
V339023		8.49	0.16	6.65	20.1	2010	1.27	0.13	2.13	0.11	35.3	5.5	7	18.85	6.1	2.65
V339024		<0.02	0.17	6.57	19.9	1900	1.22	0.11	2.14	0.11	36.1	5.4	7	18.65	5.6	2.65
V339025		3.84	2.29	7.02	267	1360	1.49	0.26	1.91	14.10	39.8	5.5	8	16.75	18.8	3.14
V339026		3.56	0.24	6.49	77.0	860	1.62	0.12	2.88	0.22	42.2	5.4	23	22.2	15.6	2.08
V339027		4.08	0.18	6.82	45.3	1150	1.61	0.14	3.07	0.17	49.0	5.8	21	17.60	21.8	2.13
V339028		3.38	1.62	7.04	130.0	2150	1.71	0.23	2.66	1.72	51.7	5.6	24	17.05	54.0	2.16
V339029		4.31	1.19	7.00	166.0	1200	1.55	0.18	1.87	3.02	42.0	5.7	10	17.45	10.7	2.88
V339030		11.39	0.21	6.62	22.3	2010	1.68	0.18	2.48	0.33	36.3	5.7	9	20.4	7.0	2.72
V339031		12.70	0.42	6.89	112.0	2210	1.58	0.13	2.63	1.42	40.8	6.2	9	25.1	6.7	2.82
V339032		11.46	0.24	6.74	23.0	2100	1.69	0.12	2.57	0.62	36.6	6.3	8	27.1	6.7	2.78
V339033		3.38	1.04	4.99	374	2150	1.49	0.12	5.93	2.39	45.3	5.2	9	19.55	16.5	3.34
V339034		7.71	1.70	6.89	351	1360	1.39	0.32	4.51	2.51	48.6	5.1	7	16.30	12.0	3.00
V339035		10.11	0.11	6.94	20.6	1920	1.52	0.16	2.61	0.20	40.7	5.7	9	21.5	6.9	2.78
V339036		11.69	0.37	6.81	179.0	2060	1.55	0.19	2.62	0.86	36.6	6.8	8	18.60	9.0	2.70



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17127889

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
V339001		13.05	0.13	1.2	0.493	2.97	51.0	21.6	0.18	1620	0.87	0.03	5.0	2.1	450	628
V339002		14.85	0.11	1.2	0.209	3.42	27.2	18.4	0.29	3230	0.90	0.04	8.1	2.0	570	149.0
V339003		15.10	0.12	1.1	0.106	2.91	26.8	24.6	0.65	1440	0.83	0.08	7.9	2.0	550	36.1
V339004		16.80	0.12	1.2	0.064	2.62	20.2	28.6	0.40	616	1.11	1.54	8.6	2.5	620	20.7
V339005		16.60	0.12	1.3	0.291	2.68	25.0	20.7	0.49	1320	1.79	1.05	8.3	2.5	570	468
V339006		17.05	0.13	1.2	0.087	3.11	24.7	23.0	0.64	1380	1.56	1.08	8.3	2.4	590	42.7
V339007		17.20	0.12	1.3	0.074	3.19	24.5	23.1	0.65	1440	1.56	1.05	8.5	2.5	610	25.9
V339008		18.15	0.14	1.3	0.075	2.92	21.4	47.0	0.43	859	0.87	0.28	9.2	2.0	640	15.9
V339009		12.05	0.12	0.9	0.175	2.48	23.2	29.0	0.95	4460	9.54	0.02	5.9	2.4	420	758
V339010		0.19	0.14	<0.1	<0.005	0.02	0.5	0.9	13.10	202	0.18	0.01	0.1	1.2	180	1.9
V339011		14.25	0.13	1.1	0.129	2.91	20.9	21.5	0.92	1680	1.85	0.05	7.7	2.3	540	41.5
V339012		14.35	0.11	1.0	0.083	2.61	20.2	50.4	0.67	1040	0.83	0.77	7.9	1.8	540	33.4
V339013		12.75	0.11	0.8	1.600	2.65	18.3	15.4	0.68	2280	15.95	0.06	4.5	13.5	460	1640
V339014		15.90	0.12	1.2	0.076	2.57	19.6	34.4	0.56	596	1.35	1.54	8.4	2.1	540	17.8
V339015		14.60	0.13	1.3	0.060	2.51	20.3	9.3	0.57	598	1.30	2.24	8.1	2.0	480	18.1
V339016		15.80	0.10	1.1	0.053	2.81	19.0	33.5	0.42	519	1.46	1.25	7.7	2.3	460	16.9
V339017		13.20	0.11	1.1	0.104	2.62	21.6	48.1	0.77	1450	1.81	0.05	7.0	2.3	420	120.5
V339018		19.40	0.13	3.3	0.040	2.28	28.8	89.9	0.73	592	0.83	0.03	10.4	4.9	960	26.9
V339019		14.35	0.12	1.3	0.876	2.92	23.4	27.0	0.71	2030	11.55	0.27	7.7	15.8	510	1360
V339020		16.20	0.12	1.1	0.087	2.82	20.0	50.6	0.66	548	1.08	1.31	8.4	2.5	580	20.4
V339021		13.05	0.12	1.0	0.154	2.66	22.3	41.4	0.75	1950	1.35	0.16	6.9	2.6	480	385
V339022		0.24	0.13	<0.1	<0.005	0.04	0.6	1.0	12.95	200	0.07	0.01	0.2	1.6	190	1.7
V339023		14.35	0.12	1.2	0.049	2.80	17.7	51.0	0.61	674	0.88	0.09	7.8	2.1	530	14.1
V339024		14.35	0.12	1.2	0.052	2.82	18.2	50.5	0.60	675	0.73	0.09	7.8	2.2	550	14.0
V339025		15.35	0.11	1.2	0.133	3.37	20.3	34.8	0.62	1140	0.90	0.07	7.9	2.4	550	339
V339026		18.85	0.13	2.8	0.034	2.31	20.7	110.0	0.84	621	1.07	0.04	9.0	14.3	710	28.3
V339027		18.55	0.13	2.6	0.036	1.85	25.2	136.5	0.99	655	1.39	0.03	8.8	13.0	730	22.7
V339028		19.05	0.12	3.1	0.053	1.38	27.0	121.5	0.95	991	2.22	0.02	9.2	14.5	710	90.0
V339029		14.85	0.13	1.2	0.063	3.17	21.5	51.4	0.62	1620	1.15	0.29	8.1	2.4	570	157.5
V339030		15.55	0.13	1.1	0.055	2.92	17.9	37.8	0.64	1000	1.25	1.50	7.8	2.4	530	23.2
V339031		14.70	0.14	1.0	0.053	2.81	20.8	25.3	0.71	1140	1.29	1.82	7.8	2.5	560	61.8
V339032		16.85	0.12	1.2	0.055	2.99	18.0	30.7	0.68	868	1.00	1.63	8.3	2.5	560	51.9
V339033		10.55	0.13	1.8	0.052	1.14	25.6	119.5	2.09	2390	3.80	0.01	5.9	3.8	600	101.0
V339034		13.45	0.13	0.9	0.071	2.05	27.7	84.4	1.59	2100	3.01	0.02	7.4	2.0	530	275
V339035		15.00	0.12	1.1	0.059	2.27	20.8	120.5	0.81	908	1.92	0.06	8.2	2.2	580	21.4
V339036		16.60	0.13	1.1	0.057	2.84	18.5	37.3	0.71	904	0.98	0.90	8.1	2.6	560	43.9



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17127889

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V339001		170.5	<0.002	0.38	21.7	8.6	1	6.5	95.6	0.43	12.10	11.90	0.167	2.15	8.3	53
V339002		194.0	<0.002	0.54	9.56	9.2	1	2.3	48.9	0.68	0.08	15.20	0.237	2.65	4.6	62
V339003		135.0	<0.002	0.32	8.80	9.6	1	2.0	84.8	0.62	0.10	13.45	0.240	2.14	4.1	64
V339004		105.5	<0.002	0.06	4.78	10.4	1	2.0	277	0.65	<0.05	11.45	0.259	1.28	2.6	69
V339005		137.0	<0.002	0.70	11.05	10.0	1	2.6	165.0	0.67	0.13	11.25	0.245	2.05	5.1	63
V339006		142.5	<0.002	0.46	14.70	10.4	1	2.2	233	0.64	0.07	12.20	0.245	1.84	3.5	67
V339007		138.0	<0.002	0.30	11.25	10.6	1	2.5	224	0.65	<0.05	12.00	0.252	1.89	3.4	70
V339008		118.5	<0.002	0.08	15.90	11.4	1	2.1	145.0	0.73	0.05	12.85	0.270	1.47	4.3	73
V339009		143.5	<0.002	2.30	44.3	7.2	1	2.8	113.5	0.49	0.10	10.85	0.184	2.32	3.7	48
V339010		0.9	<0.002	<0.01	<0.05	0.2	1	<0.2	48.1	<0.05	<0.05	0.07	<0.005	0.02	0.8	2
V339011		141.5	<0.002	0.64	10.35	9.3	1	2.0	111.5	0.63	0.06	11.70	0.230	2.21	6.3	60
V339012		114.0	<0.002	0.31	8.03	8.5	1	1.8	194.5	0.61	<0.05	11.80	0.234	1.64	3.5	59
V339013		145.0	0.003	7.92	105.5	7.7	2	10.6	60.9	0.39	0.65	8.76	0.168	1.97	5.9	56
V339014		92.8	<0.002	0.13	4.57	9.1	1	1.7	261	0.66	<0.05	11.55	0.243	1.28	3.4	63
V339015		93.4	<0.002	0.22	3.26	7.4	1	1.8	304	0.71	0.06	12.30	0.211	1.09	3.5	54
V339016		107.0	<0.002	0.07	6.67	7.0	<1	1.6	212	0.65	<0.05	12.35	0.205	1.22	2.4	51
V339017		103.0	<0.002	0.38	10.15	6.6	1	1.8	112.5	0.60	<0.05	13.15	0.190	1.85	8.2	47
V339018		72.5	<0.002	0.04	13.55	4.7	1	1.7	647	0.67	<0.05	8.78	0.293	1.00	3.2	47
V339019		163.5	0.002	3.19	34.8	9.2	1	5.6	153.5	0.56	0.26	11.95	0.211	2.23	5.3	59
V339020		103.5	<0.002	0.06	6.35	10.4	1	2.0	237	0.62	<0.05	11.30	0.248	1.17	3.2	66
V339021		124.5	<0.002	1.08	13.60	8.3	<1	1.7	139.0	0.53	0.07	11.45	0.207	1.96	6.5	54
V339022		1.8	<0.002	<0.01	<0.05	0.2	1	<0.2	48.2	<0.05	<0.05	0.09	<0.005	0.02	0.8	2
V339023		92.7	<0.002	0.09	9.29	8.2	<1	1.5	129.5	0.61	<0.05	11.10	0.234	1.39	3.6	63
V339024		92.1	<0.002	0.09	9.16	9.3	1	1.5	130.0	0.61	<0.05	11.25	0.235	1.40	3.5	63
V339025		138.0	<0.002	1.32	14.20	9.8	1	2.5	118.5	0.64	<0.05	12.20	0.234	2.16	6.2	65
V339026		61.2	<0.002	0.16	7.28	5.4	<1	2.0	373	0.64	<0.05	8.18	0.264	1.87	3.8	51
V339027		56.6	<0.002	0.22	6.51	5.6	1	2.8	335	0.62	<0.05	9.15	0.264	1.69	3.6	50
V339028		43.5	<0.002	0.32	9.46	6.0	1	6.2	493	0.65	<0.05	10.05	0.269	1.41	6.5	52
V339029		136.5	<0.002	0.98	11.05	10.4	1	1.9	172.5	0.63	<0.05	12.55	0.237	1.99	4.1	64
V339030		105.0	<0.002	0.07	4.95	9.5	1	1.4	259	0.58	0.06	10.25	0.237	1.46	3.2	62
V339031		112.5	<0.002	0.09	3.96	10.0	1	1.5	304	0.58	<0.05	11.35	0.245	1.39	3.2	66
V339032		109.5	<0.002	0.08	5.56	9.9	1	1.5	271	0.65	<0.05	10.90	0.243	1.50	3.3	64
V339033		67.9	<0.002	0.59	44.5	5.5	1	2.3	394	0.42	<0.05	8.09	0.202	1.09	7.6	47
V339034		99.3	<0.002	0.60	18.15	9.2	1	1.8	202	0.56	0.05	13.25	0.225	1.64	5.9	59
V339035		72.3	<0.002	0.12	20.1	10.3	1	1.6	208	0.63	<0.05	11.35	0.245	1.26	3.2	65
V339036		95.8	<0.002	0.22	8.31	9.8	1	1.7	217	0.61	<0.05	10.75	0.245	1.44	5.4	64



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 30-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17127889

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V339001		26.0	8.7	1130	38.8	0.144
V339002		2.7	12.8	874	30.4	0.023
V339003		2.0	13.7	171	29.4	0.025
V339004		1.7	13.7	61	32.3	<0.005
V339005		2.9	13.8	624	35.3	0.181
V339006		1.6	14.7	481	32.8	0.075
V339007		1.7	14.7	80	34.6	0.014
V339008		2.4	14.7	60	34.3	<0.005
V339009		3.3	12.7	3220	27.0	1.730
V339010		0.1	0.8	19	<0.5	<0.005
V339011		1.6	13.7	89	28.5	0.019
V339012		1.7	12.5	78	27.8	0.027
V339013		6.9	9.3	3390	23.4	1.745
V339014		1.6	13.2	51	32.4	<0.005
V339015		1.3	12.7	48	34.4	<0.005
V339016		1.3	11.5	50	30.2	<0.005
V339017		2.0	12.0	182	28.9	0.061
V339018		2.0	9.3	112	134.0	<0.005
V339019		4.9	11.7	3090	39.4	0.761
V339020		1.5	13.8	60	30.0	<0.005
V339021		2.2	13.0	600	28.6	0.204
V339022		0.1	0.8	17	<0.5	<0.005
V339023		1.9	12.6	44	32.4	<0.005
V339024		1.9	13.0	44	32.9	<0.005
V339025		3.4	12.9	1620	33.9	0.046
V339026		1.4	10.6	68	107.0	0.007
V339027		1.9	11.4	65	96.9	0.005
V339028		2.1	12.0	182	121.0	0.077
V339029		2.1	14.0	330	34.6	0.032
V339030		1.2	13.3	83	30.2	<0.005
V339031		1.9	14.7	176	30.0	0.005
V339032		1.5	13.8	88	33.9	<0.005
V339033		4.6	13.2	236	72.0	0.048
V339034		6.5	15.7	265	27.4	0.047
V339035		3.0	14.9	57	31.5	<0.005
V339036		2.7	13.7	98	30.7	0.035



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30-JUL-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17127889

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21
WSH-21	WSH-22		

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-JUL-2017
Account: ROCKHA

CERTIFICATE WH17127896

Project: Klaza

P.O. No.: 17-002

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 23-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17127896

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V339037		7.66		0.29	6.79	15.7	1550	1.71	0.33	2.37	0.89	38.3	6.0	7	20.5	5.6
V339038		4.01		1.91	6.74	1235	3830	1.60	0.23	3.61	10.80	50.4	6.6	10	21.9	12.0
V339039		10.64		6.61	7.06	218	1640	1.66	0.19	2.84	9.93	46.2	7.1	9	18.05	13.5
V339040		2.85	1.075	64.4	6.73	2870	1390	1.56	0.25	2.16	179.5	42.3	6.2	7	17.45	83.8
V339041		4.56		1.41	7.17	181.0	2460	1.49	0.21	2.06	6.18	41.7	7.1	12	14.30	15.1
V339042		0.32		9.23	6.65	1785	920	1.60	6.50	1.90	41.6	45.1	18.2	20	16.10	113.0
V339043		4.32		4.56	6.74	1380	2620	1.68	0.17	2.70	10.80	44.9	7.6	9	17.65	20.5
V339044		9.20		0.90	6.92	14.1	2410	1.69	0.17	2.59	5.52	42.7	6.7	10	16.30	8.4
V339045		2.76		34.6	6.74	786	2140	1.64	0.91	2.77	27.9	39.1	6.9	9	21.6	126.5
V339046		9.29		0.36	6.71	20.2	2070	1.69	0.30	2.83	0.47	39.3	6.6	9	18.60	8.3
V339047		5.66		0.03	0.05	0.7	40	0.06	0.08	20.9	0.09	1.28	1.4	<1	0.19	2.7
V339048		6.78		0.14	7.08	13.6	2350	1.39	0.23	2.14	0.16	37.1	5.6	10	19.20	14.1
V339049		3.18		38.3	5.62	714	660	1.24	0.55	3.34	8.97	38.5	4.5	7	9.81	125.0
V339050		10.55		0.25	7.06	39.6	2100	1.54	0.56	2.42	0.79	41.2	6.9	10	15.85	23.5
V339051		5.07		0.31	7.09	18.8	2150	1.63	0.29	2.56	0.70	41.4	7.5	10	16.50	19.7
V339052		6.18		82.7	3.45	1325	160	1.01	6.39	3.34	47.8	23.7	13.4	7	15.25	284
V339053		4.74		0.53	7.36	32.0	1940	1.39	0.59	1.35	0.37	39.6	8.6	10	8.25	12.5
V339054		3.31		0.21	7.18	9.4	1940	1.73	0.21	2.47	0.18	41.4	4.3	9	9.54	3.6
V339055		7.30		64.3	6.42	2510	400	1.52	1.27	3.16	174.0	37.5	22.5	8	10.80	41.6
V339056		8.69		0.44	7.08	29.6	1730	1.57	0.60	3.09	0.87	43.4	15.5	9	8.44	2.4
V339057		5.47		9.98	7.20	168.0	4770	1.55	0.74	1.06	11.35	37.9	7.0	10	27.6	25.8
V339058		5.75		0.31	6.69	34.3	1370	1.78	0.14	3.03	1.19	43.2	7.1	9	22.5	6.3
V339059		7.87		0.54	6.67	33.5	1060	1.88	0.17	3.22	0.71	42.2	7.1	9	24.3	8.6
V339060		2.63		2.15	7.67	93.3	1650	1.96	0.49	1.35	3.92	45.5	9.5	8	32.1	32.5
V339061		6.05		0.02	0.06	<0.2	30	0.08	0.02	21.2	0.07	1.27	1.5	<1	0.20	9.3
V339062		11.11		7.63	7.26	391	1780	1.73	0.39	1.51	8.49	45.2	8.0	8	24.6	26.6
V339063		4.74		0.69	7.85	36.9	3270	1.19	1.04	1.16	2.13	51.1	21.2	8	18.45	8.7
V339064		4.13		0.17	7.58	13.1	1550	1.10	0.15	0.58	0.35	44.4	10.8	7	11.30	4.5
V339065		0.32		39.4	5.76	2500	370	1.31	36.7	1.66	45.5	38.0	18.3	22	10.40	1180
V339066		4.62		1.34	6.42	66.5	2900	1.47	0.68	1.62	2.49	40.9	9.7	8	22.4	19.4
V339067		9.00		0.33	7.46	26.8	2060	1.64	0.96	1.53	0.43	42.7	8.2	9	18.30	18.2
V339068		2.78		1.25	6.28	90.3	720	1.40	1.07	2.94	0.67	45.6	13.6	7	19.55	16.5
V339069		<0.02		1.16	6.48	87.4	780	1.41	0.99	3.00	0.67	47.8	12.9	7	20.2	16.5
V339070		4.58		1.28	6.88	45.8	1880	1.71	1.46	2.30	1.00	42.1	15.9	9	14.85	10.0
V339071		5.20		1.23	7.08	45.5	1750	1.50	0.44	2.29	2.67	40.0	4.9	10	20.1	21.7
V339072		4.02		1.73	6.81	83.7	3180	1.57	0.45	2.22	4.82	40.0	5.3	10	21.4	31.9



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17127896

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
V339037		2.79	15.25	0.07	1.0	0.072	2.40	18.8	166.0	0.70	936	1.32	0.37	7.7	2.2	570
V339038		3.07	14.65	0.09	1.0	0.052	2.55	28.1	42.3	1.22	2200	1.89	0.03	7.0	2.6	500
V339039		2.88	15.75	0.08	1.1	0.045	2.41	23.4	73.4	0.92	1400	1.55	0.25	8.1	2.5	590
V339040		3.36	15.85	0.10	1.1	0.087	3.55	21.3	24.8	0.68	2580	1.25	0.22	7.6	2.4	540
V339041		2.82	16.40	0.10	1.2	0.058	3.16	20.5	18.8	0.56	685	1.25	1.11	8.4	2.5	580
V339042		5.22	15.00	0.10	1.3	0.914	2.88	23.7	25.9	0.70	1970	11.45	0.26	7.6	16.0	500
V339043		3.06	16.50	0.10	1.2	0.045	3.39	21.9	15.8	0.75	1440	1.06	1.07	8.5	2.7	570
V339044		2.91	15.85	0.10	1.2	0.050	2.91	21.3	9.5	0.68	741	1.32	2.10	7.9	2.7	550
V339045		2.91	15.85	0.08	1.1	0.083	3.12	18.9	52.4	0.78	1380	1.12	0.72	7.9	2.5	560
V339046		2.79	15.65	0.08	1.1	0.067	2.99	19.4	84.4	0.75	871	1.42	0.75	7.8	2.6	540
V339047		0.47	0.21	<0.05	<0.1	<0.005	0.02	0.6	1.5	13.10	207	0.20	0.01	0.2	1.4	170
V339048		2.79	15.95	0.09	1.1	0.053	3.19	17.7	42.6	0.55	711	1.43	0.70	8.2	2.4	590
V339049		3.89	11.90	0.09	0.8	0.203	2.67	20.2	26.2	1.11	4390	3.84	0.05	5.6	2.0	410
V339050		2.93	15.75	0.09	1.1	0.149	3.15	20.1	22.9	0.65	1000	2.48	1.53	8.0	2.6	560
V339051		2.96	16.05	0.08	1.1	0.152	3.06	20.2	21.2	0.69	1000	2.84	1.60	8.2	2.6	590
V339052		3.96	8.66	0.06	0.6	0.231	1.35	12.5	39.9	0.63	2760	25.0	0.04	3.4	3.1	240
V339053		2.74	15.85	0.08	1.2	0.069	3.00	19.7	30.2	0.39	797	1.62	0.16	8.0	2.3	610
V339054		2.83	16.05	0.08	1.3	0.057	2.62	21.0	11.4	0.75	513	1.24	2.29	8.3	2.5	580
V339055		3.75	14.85	0.08	0.9	0.340	3.06	19.5	16.0	0.79	2800	3.74	0.14	6.8	3.1	530
V339056		3.43	16.20	0.09	1.1	0.082	2.45	22.4	16.3	0.75	774	3.27	1.36	7.6	3.5	590
V339057		2.81	16.65	0.08	1.8	0.088	3.08	18.7	23.3	0.20	845	1.78	0.05	8.6	3.1	550
V339058		2.43	18.85	0.11	3.6	0.033	3.38	20.6	37.2	0.78	604	1.15	0.05	11.4	4.5	740
V339059		2.63	18.20	0.10	3.6	0.032	3.17	20.1	44.1	0.78	627	1.24	0.05	10.9	4.4	750
V339060		1.85	17.55	0.09	1.7	0.063	3.30	22.4	27.4	0.40	793	3.75	0.05	9.1	2.9	630
V339061		0.48	0.20	<0.05	<0.1	0.005	0.02	0.6	1.3	13.05	202	0.14	0.01	0.1	1.4	160
V339062		3.04	16.35	0.09	1.2	0.080	3.38	22.4	51.4	0.54	1280	2.41	0.06	8.2	2.4	570
V339063		3.34	16.50	0.10	1.3	0.063	3.27	25.9	38.5	0.34	861	1.58	0.09	8.0	3.3	600
V339064		1.90	15.60	0.08	1.3	0.043	2.17	23.3	47.1	0.29	626	1.44	0.07	8.3	7.0	580
V339065		9.21	14.15	0.12	0.8	1.595	2.60	19.2	16.8	0.67	2290	17.00	0.06	5.0	15.2	450
V339066		2.31	15.00	0.07	1.3	0.070	2.46	21.2	64.1	0.50	836	4.49	0.02	7.5	3.3	500
V339067		2.92	17.05	0.10	1.3	0.074	3.14	21.1	100.0	0.43	795	1.46	0.33	8.8	2.3	590
V339068		3.16	13.55	0.10	1.0	0.089	2.50	24.6	82.0	0.82	1490	5.03	0.03	6.8	2.9	480
V339069		3.17	13.75	0.08	1.0	0.091	2.54	26.3	82.4	0.84	1500	5.14	0.03	6.9	2.7	470
V339070		2.98	15.90	0.10	1.2	0.083	2.97	21.0	115.5	0.56	830	1.35	1.00	8.2	2.8	560
V339071		2.76	15.65	0.18	1.3	0.105	3.15	19.8	72.7	0.58	751	1.24	0.83	8.2	2.0	570
V339072		2.96	15.20	0.15	1.1	0.106	3.03	20.4	92.2	0.59	824	10.50	0.51	7.6	2.2	530



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17127896

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V339037		28.9	89.6	<0.002	0.12	16.15	9.2	1	1.7	194.5	0.63	0.06	11.05	0.241	1.63	5.3
V339038		242	155.5	<0.002	0.82	19.40	9.3	1	2.0	215	0.56	0.05	12.45	0.216	2.64	4.6
V339039		339	97.7	<0.002	0.46	17.05	10.2	1	1.9	175.5	0.65	<0.05	12.05	0.249	2.02	5.0
V339040		2280	150.0	<0.002	1.88	69.5	9.6	1	3.9	112.0	0.62	<0.05	11.85	0.230	2.51	3.5
V339041		168.5	124.5	<0.002	0.15	11.95	10.3	1	2.0	205	0.68	<0.05	12.35	0.254	1.68	3.1
V339042		1370	166.0	<0.002	3.09	31.3	8.9	1	5.6	152.5	0.62	0.30	12.35	0.208	2.41	5.3
V339043		257	138.5	<0.002	0.67	17.75	10.5	1	2.7	224	0.67	<0.05	12.45	0.250	2.26	3.8
V339044		48.2	110.5	<0.002	0.05	3.02	9.8	1	1.6	335	0.66	<0.05	11.75	0.248	1.35	3.3
V339045		1500	116.5	<0.002	0.82	63.2	9.6	1	2.7	183.5	0.64	<0.05	10.35	0.243	2.12	4.1
V339046		22.8	114.5	<0.002	0.24	8.20	9.2	1	2.0	187.0	0.64	0.08	10.25	0.240	2.12	3.8
V339047		2.8	1.3	<0.002	<0.01	0.20	0.3	1	<0.2	53.0	<0.05	<0.05	0.10	<0.005	0.02	0.5
V339048		18.4	122.0	<0.002	0.12	11.05	9.5	1	2.3	159.5	0.65	<0.05	10.80	0.256	1.88	3.2
V339049		481	154.5	<0.002	1.87	113.5	7.7	1	2.5	190.5	0.44	0.08	9.50	0.176	2.10	7.1
V339050		56.4	126.0	<0.002	0.14	7.59	9.6	1	1.9	262	0.64	0.18	11.05	0.249	1.72	3.6
V339051		43.7	128.5	<0.002	0.15	7.16	10.3	1	2.1	267	0.66	0.06	11.60	0.254	1.77	4.2
V339052		1955	92.9	0.005	3.46	215	5.9	1	4.1	96.4	0.28	2.04	6.32	0.110	1.51	6.8
V339053		24.7	127.0	<0.002	0.47	13.65	9.7	1	2.8	75.1	0.66	0.18	12.05	0.262	1.62	2.5
V339054		19.2	98.5	<0.002	0.07	2.99	9.9	1	1.9	339	0.70	<0.05	12.15	0.250	1.17	3.4
V339055		3370	156.0	0.002	2.74	45.7	9.4	2	5.0	72.6	0.58	0.89	11.80	0.214	2.12	4.7
V339056		26.4	103.5	<0.002	0.74	4.11	10.0	1	2.0	157.5	0.61	0.21	12.55	0.230	1.34	3.7
V339057		1025	185.5	<0.002	0.48	25.5	9.2	1	1.6	193.5	0.70	0.20	10.90	0.251	3.73	4.2
V339058		27.3	128.5	<0.002	0.10	27.0	7.4	1	1.4	325	0.81	<0.05	8.72	0.288	3.00	5.2
V339059		24.6	114.0	<0.002	0.32	27.4	7.3	1	1.5	298	0.80	<0.05	8.40	0.283	2.79	5.5
V339060		226	175.0	<0.002	0.25	13.70	10.2	1	3.4	91.2	0.75	<0.05	13.20	0.266	3.56	6.3
V339061		2.1	1.5	<0.002	0.01	0.18	0.3	1	<0.2	50.3	<0.05	<0.05	0.10	<0.005	0.03	0.6
V339062		1070	157.5	<0.002	0.93	21.1	9.9	1	2.4	96.9	0.68	0.12	13.40	0.246	2.67	4.4
V339063		73.5	161.5	<0.002	1.14	18.25	10.7	1	1.8	99.2	0.67	0.44	14.95	0.245	1.94	4.0
V339064		21.7	103.0	<0.002	0.20	35.9	7.7	1	1.4	62.0	0.70	<0.05	13.65	0.244	1.04	5.5
V339065		1685	156.5	0.002	7.86	99.0	8.4	2	10.7	66.4	0.42	0.70	9.73	0.167	2.19	5.8
V339066		136.0	109.5	<0.002	0.43	37.9	8.3	1	1.4	115.5	0.63	0.21	11.70	0.221	2.30	6.7
V339067		35.5	137.5	<0.002	0.27	18.20	10.7	1	1.6	131.0	0.74	0.37	13.35	0.258	1.64	3.7
V339068		73.2	116.0	<0.002	0.64	27.6	8.3	1	1.3	99.9	0.59	0.35	12.40	0.201	1.79	5.2
V339069		84.2	123.0	<0.002	0.63	27.4	8.5	1	1.3	103.5	0.60	0.33	13.00	0.205	1.81	5.3
V339070		70.3	129.0	<0.002	0.73	11.20	9.7	1	1.5	204	0.69	0.73	12.60	0.236	1.64	3.6
V339071		164.5	121.5	<0.002	0.28	13.30	9.3	1	1.7	214	0.65	0.12	11.70	0.244	1.83	3.4
V339072		214	131.0	<0.002	0.76	34.0	9.2	1	1.5	187.0	0.60	0.15	11.50	0.227	2.20	3.7



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 17-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17127896

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	Au-AA24 Au ppm 0.005
V339037		63	4.5	13.5	103	27.7	0.005
V339038		57	3.9	15.1	750	27.0	0.146
V339039		66	4.7	15.1	600	29.9	0.041
V339040		62	3.8	13.1	>10000	29.7	0.369
V339041		68	3.0	14.6	431	31.3	0.038
V339042		57	5.3	11.4	3010	41.4	0.800
V339043		66	3.6	15.2	683	31.6	0.201
V339044		65	1.8	14.9	370	31.8	<0.005
V339045		65	2.9	14.0	1880	30.3	0.186
V339046		63	3.1	13.4	64	29.1	<0.005
V339047		2	0.1	0.8	17	<0.5	<0.005
V339048		66	3.2	13.3	54	28.8	<0.005
V339049		52	8.1	13.2	717	21.1	0.269
V339050		66	4.1	14.4	107	30.0	<0.005
V339051		68	4.2	15.3	95	29.8	<0.005
V339052		43	3.8	10.1	3210	15.6	0.742
V339053		69	3.4	12.5	59	32.0	0.005
V339054		67	1.7	14.2	50	34.4	<0.005
V339055		58	2.8	13.5	9890	25.4	0.493
V339056		66	2.8	13.4	55	31.2	0.008
V339057		66	9.6	11.1	834	56.8	0.207
V339058		68	6.4	12.8	135	134.0	0.005
V339059		69	6.0	12.7	125	130.0	0.012
V339060		70	11.8	12.4	299	50.0	0.166
V339061		2	0.1	0.8	17	<0.5	0.006
V339062		67	5.5	13.8	788	33.3	0.097
V339063		68	2.6	15.5	246	33.9	0.026
V339064		45	4.8	11.9	53	33.7	<0.005
V339065		55	7.5	9.9	3360	23.6	1.655
V339066		60	3.5	13.1	198	35.8	0.038
V339067		69	3.3	14.5	83	35.7	0.033
V339068		55	3.5	16.1	78	27.6	0.087
V339069		56	3.9	16.4	77	27.4	0.092
V339070		63	3.3	14.5	107	32.1	0.045
V339071		64	2.5	14.0	264	33.4	0.091
V339072		65	2.7	13.4	335	29.7	0.097



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 17-JUL-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17127896

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Zn-OG62
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

CERTIFICATE WH17129282

Project: Klaza

P.O. No.: 17-006

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT,
Canada on 26-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129282

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GRA22 Au ppm	Ag-OG62 Ag ppm	Pb-OG62 Pb %	As-OG62 As %	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
		0.02	0.05	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1
V339179		6.82					29.9	6.99	3930	1440	1.79	0.96	2.06	18.90	59.1	7.1
V339182		9.76					0.33	7.02	71.6	1710	1.89	0.21	2.80	0.22	59.8	5.5
V339183		2.96	19.50	554	2.67	4.59	>100	5.54	>10000	1370	1.59	2.69	1.28	140.5	38.6	8.2
V339184		6.66					5.06	6.95	692	1790	1.58	0.22	1.73	20.8	59.5	5.6
V339185		0.26					28.3	4.21	1825	570	0.79	29.0	1.22	35.0	31.2	13.4
V339186		7.42					1.66	6.82	131.5	960	1.30	0.26	3.00	5.55	54.1	8.0
V339187		5.66					0.16	7.06	19.5	1760	1.59	0.16	2.21	0.19	51.5	7.3
V339188		6.92					11.25	6.09	332	1440	1.36	1.73	3.02	11.65	48.4	10.7
V339189		7.05					8.71	7.13	190.5	1880	1.47	3.28	2.42	25.2	56.2	11.7
V339190		0.26					9.49	6.40	1705	510	1.38	6.67	1.83	41.4	48.4	17.8
V339191		4.62					56.0	7.25	968	690	1.48	2.65	2.38	45.8	45.4	6.9
V339192		5.93					0.10	0.07	0.9	30	0.06	0.07	21.3	0.14	1.07	0.7
V339193		11.19					0.55	6.53	153.0	1560	1.80	0.19	3.07	2.20	36.6	6.5
V339194		6.29					4.12	5.28	303	680	1.86	2.71	1.07	5.60	59.9	21.5
V339195		3.50					2.94	6.80	44.6	1630	1.54	1.33	2.77	15.40	48.4	7.6
V339196		6.29					0.05	0.06	0.5	40	0.05	0.04	20.8	0.10	1.18	0.6
V339197		8.85					7.52	6.56	112.0	1210	1.48	1.70	2.43	15.25	45.7	7.7
V339198		4.62					0.15	8.05	8.6	2250	1.30	0.26	1.16	0.24	52.3	4.9
V339199		2.18					0.16	8.00	10.4	2260	1.23	0.25	1.08	0.27	56.9	5.3
V339200		3.48					5.96	7.35	97.7	1410	1.51	0.60	1.80	21.6	48.2	6.1
V339201		3.79					2.87	6.88	132.5	1260	1.32	0.96	3.55	9.86	58.0	9.4
V339202		4.28					1.05	6.66	59.2	1420	1.19	0.45	2.81	2.87	54.7	5.8
V339203		5.87					2.35	7.36	68.3	1700	1.35	0.75	1.08	2.05	65.2	12.6
V339204		5.43					0.84	6.66	66.1	1390	1.52	0.34	2.42	1.12	47.6	7.6
V339205		11.03					0.14	6.84	11.1	1870	1.39	0.14	2.32	0.16	41.5	6.0
V339206		<0.02					0.12	6.81	9.5	1840	1.40	0.12	2.28	0.14	42.2	5.8
V339207		4.10					4.82	6.19	88.3	1660	1.54	0.17	3.10	27.0	39.6	6.6
V339208		8.28					0.52	6.10	50.2	1820	1.51	0.13	3.10	0.73	39.3	5.6
V339209		5.13					3.00	5.94	119.5	2390	1.38	0.38	3.07	12.40	35.9	7.2
V339210		7.17					0.14	6.79	18.7	3140	1.39	0.11	2.35	0.28	39.6	6.7
V339211		5.99					0.28	6.91	22.1	2480	1.31	0.11	2.15	1.25	40.8	7.1
V339212		3.37					86.5	5.21	7410	2030	1.49	6.54	3.43	65.9	37.2	16.3
V339213		10.78					0.97	6.75	99.5	2020	1.98	0.23	4.06	1.70	45.8	6.4
V339214		8.66					0.69	6.67	76.7	1250	2.07	0.16	3.43	0.47	47.2	6.8
V339215		7.35					0.04	6.84	29.4	710	1.74	0.17	2.27	0.23	48.9	5.7
V339216		7.28					0.08	6.61	30.2	840	2.01	0.23	2.37	0.31	46.9	5.9



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129282

Sample Description	Method Analyte Units LOR	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01
V339179		10	34.4	81.9	3.37	15.95	0.09	1.4	0.207	2.95	28.9	29.2	0.80	1220	2.53	0.05
V339182		22	37.8	10.8	2.16	19.00	0.10	3.0	0.030	2.54	27.9	152.0	0.88	720	3.17	0.05
V339183		7	25.9	1340	8.82	14.15	0.09	1.2	0.757	2.02	17.1	20.5	0.63	2410	5.31	0.03
V339184		10	23.9	25.2	3.87	16.20	0.09	1.6	0.105	2.50	29.5	60.9	0.77	3640	2.58	0.02
V339185		16	7.79	873	6.77	10.50	0.09	0.6	1.250	1.91	15.2	11.6	0.50	1730	13.05	0.04
V339186		10	16.70	14.7	2.80	16.05	0.09	1.3	0.057	2.04	25.4	95.7	1.02	1180	2.22	0.04
V339187		9	24.2	11.7	2.87	16.50	0.09	1.3	0.047	2.72	23.7	69.4	0.67	859	1.34	0.74
V339188		10	15.75	26.3	2.78	14.80	0.09	1.1	0.147	1.98	23.2	34.3	0.71	1800	15.20	0.87
V339189		12	15.85	30.8	3.34	16.60	0.11	1.1	0.079	2.91	27.3	37.8	0.68	1340	1.36	1.30
V339190		20	16.45	108.0	5.11	14.65	0.09	1.4	0.948	2.75	23.3	22.3	0.67	1940	12.30	0.25
V339191		15	16.25	114.0	4.05	16.15	0.14	1.1	0.157	3.03	23.6	19.9	0.78	971	1.45	1.29
V339192		<1	0.25	6.0	0.45	0.21	<0.05	<0.1	0.007	0.03	0.5	1.1	12.95	198	0.09	0.01
V339193		9	22.4	16.0	2.83	16.90	0.12	1.3	0.046	2.64	16.1	132.0	0.34	925	1.63	0.72
V339194		9	11.20	31.1	3.67	12.60	0.11	0.9	0.213	2.26	38.1	28.4	0.37	1440	4.67	0.04
V339195		10	13.80	45.8	3.07	16.80	0.15	1.5	0.276	2.63	25.0	49.1	0.91	1190	2.68	0.15
V339196		<1	0.13	2.8	0.45	0.23	0.13	<0.1	0.005	0.03	0.6	1.0	12.75	194	0.12	<0.01
V339197		9	13.70	69.1	3.52	15.55	0.16	0.9	0.164	2.95	24.6	34.2	0.86	2750	2.13	0.11
V339198		9	12.85	8.9	2.96	17.85	0.16	1.2	0.073	2.98	28.2	34.7	0.46	773	1.82	0.45
V339199		10	14.05	10.1	2.86	17.20	0.08	1.3	0.073	2.94	28.0	34.5	0.41	852	1.62	0.46
V339200		11	21.0	45.4	2.60	16.75	0.10	1.1	0.076	2.88	22.4	53.8	0.67	759	1.35	0.34
V339201		8	21.5	42.4	3.12	15.75	0.09	1.0	0.109	2.93	30.3	18.3	1.36	1290	1.32	0.03
V339202		9	15.20	16.0	2.98	15.45	0.11	1.1	0.072	2.82	25.9	47.9	0.99	815	0.85	0.51
V339203		14	11.45	10.2	2.99	16.25	0.10	1.4	0.078	2.22	33.9	71.7	0.36	835	3.23	0.06
V339204		8	25.1	19.5	2.61	15.50	0.09	1.3	0.068	2.72	22.1	72.7	0.73	812	1.82	0.48
V339205		10	19.05	9.9	2.71	15.90	0.13	1.1	0.041	2.96	20.5	35.4	0.60	647	2.66	1.41
V339206		9	19.05	4.7	2.72	15.95	0.14	1.2	0.043	2.94	21.0	34.4	0.60	636	1.63	1.39
V339207		7	22.6	25.1	2.83	15.05	0.12	1.0	0.059	2.94	19.7	21.2	0.85	2600	1.63	0.09
V339208		9	20.5	8.1	2.68	15.40	0.12	1.1	0.052	2.92	19.0	15.8	0.76	1300	1.91	0.80
V339209		8	16.80	27.4	2.68	15.05	0.14	1.1	0.170	2.59	17.9	27.0	0.79	814	2.52	1.40
V339210		8	18.00	6.1	2.78	16.35	0.15	1.1	0.043	2.77	19.4	19.1	0.67	686	1.56	1.44
V339211		10	19.30	8.0	3.05	16.60	0.16	1.1	0.041	2.95	20.1	30.4	0.76	752	1.20	1.18
V339212		8	21.6	460	4.99	12.55	0.07	1.3	0.749	2.14	19.3	26.2	0.81	1310	3.28	0.10
V339213		17	26.1	11.0	2.33	19.75	0.16	4.1	0.037	2.77	21.9	58.4	0.75	765	0.94	0.06
V339214		10	30.1	7.6	2.44	19.05	0.16	3.6	0.046	2.66	22.9	37.0	0.83	722	1.02	0.07
V339215		13	20.2	5.5	2.13	20.4	0.17	3.9	0.029	2.76	23.2	89.2	0.60	497	0.66	0.08
V339216		14	19.95	8.3	2.42	19.80	0.12	3.9	0.047	2.07	22.1	86.2	0.59	532	0.67	0.05



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129282

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
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
V339179		7.7	4.7	580	1580	143.5	<0.002	1.10	56.9	9.5	1	3.9	182.5	0.65	0.26	13.85
V339182		9.3	12.5	760	26.8	95.9	<0.002	0.15	15.05	6.2	<1	1.7	331	0.72	<0.05	10.50
V339183		6.1	6.2	420	>10000	111.5	<0.002	6.74	882	7.8	<1	10.7	173.5	0.53	1.08	10.40
V339184		8.1	4.1	630	554	151.0	<0.002	1.04	36.6	9.7	1	3.5	301	0.64	<0.05	13.15
V339185		3.7	11.2	330	1225	116.0	0.002	5.81	79.0	6.3	1	8.0	49.1	0.29	0.51	7.42
V339186		8.5	2.6	580	128.5	70.8	<0.002	0.36	12.65	10.8	1	2.0	243	0.72	0.05	13.00
V339187		8.3	2.2	580	27.3	112.5	<0.002	0.12	12.90	10.6	1	1.8	208	0.71	<0.05	13.25
V339188		7.1	2.7	540	873	93.4	<0.002	1.32	35.0	9.3	1	2.4	287	0.56	0.46	10.70
V339189		7.9	2.6	570	256	143.0	<0.002	1.32	15.80	10.7	1	2.2	237	0.64	1.93	13.30
V339190		7.4	16.0	480	1330	159.0	<0.002	2.99	33.8	8.6	1	5.6	146.5	0.61	0.45	11.95
V339191		7.9	2.6	600	6750	170.5	<0.002	2.07	100.5	10.6	1	3.0	217	0.61	2.41	12.70
V339192		0.2	1.4	180	5.2	1.5	<0.002	<0.01	0.15	0.2	1	<0.2	47.4	<0.05	<0.05	0.10
V339193		7.9	2.5	580	55.3	101.5	<0.002	0.11	14.70	9.1	1	1.7	179.0	0.65	<0.05	9.52
V339194		4.7	3.5	390	331	129.0	<0.002	1.39	30.6	7.3	1	2.5	64.3	0.41	0.87	8.92
V339195		8.0	2.7	620	604	110.5	<0.002	0.59	20.1	9.1	1	2.3	244	0.62	0.10	9.71
V339196		0.2	1.5	160	2.7	1.2	<0.002	<0.01	0.12	0.1	<1	<0.2	51.2	<0.05	<0.05	0.11
V339197		6.8	2.2	520	481	130.5	<0.002	1.10	16.85	8.5	1	2.0	124.5	0.57	0.18	10.15
V339198		8.4	1.9	640	17.2	127.0	<0.002	0.07	9.96	10.3	1	2.0	123.0	0.71	0.05	12.80
V339199		8.5	2.0	630	24.8	129.5	<0.002	0.07	10.35	11.2	1	2.0	124.5	0.72	<0.05	15.10
V339200		8.3	2.1	600	1145	128.5	<0.002	0.54	10.10	10.5	1	2.3	212	0.65	<0.05	13.20
V339201		7.3	2.3	510	310	182.5	<0.002	0.82	10.95	9.6	1	2.3	141.5	0.58	0.08	13.55
V339202		8.0	2.1	540	99.6	108.5	<0.002	0.23	7.63	10.2	1	1.9	193.5	0.63	0.05	13.55
V339203		8.0	3.4	590	32.9	118.5	<0.002	0.44	17.80	11.0	1	2.5	159.5	0.72	0.26	14.85
V339204		8.0	2.6	560	70.9	114.0	<0.002	0.41	8.36	9.7	1	2.7	268	0.64	<0.05	11.80
V339205		8.0	7.1	570	21.5	120.0	<0.002	0.05	4.00	9.5	1	1.5	302	0.63	0.05	10.75
V339206		7.9	2.4	550	16.2	122.5	<0.002	0.05	3.92	9.6	1	1.5	298	0.64	<0.05	11.45
V339207		7.3	2.5	510	201	129.5	<0.002	0.88	12.65	8.8	1	2.7	195.5	0.57	<0.05	9.92
V339208		7.7	2.1	530	35.1	116.5	<0.002	0.27	8.04	9.2	1	1.7	271	0.60	<0.05	9.68
V339209		7.5	2.4	500	460	98.1	<0.002	0.45	9.15	8.5	1	1.8	364	0.59	<0.05	9.39
V339210		8.1	2.0	570	35.1	104.0	<0.002	0.09	6.11	9.8	1	1.5	306	0.63	<0.05	10.90
V339211		8.3	2.5	570	23.3	115.0	<0.002	0.10	7.00	10.2	1	1.6	283	0.67	<0.05	11.15
V339212		5.9	6.7	430	6510	113.0	<0.002	3.83	144.0	7.0	1	4.8	267	0.47	0.59	9.22
V339213		10.9	7.7	890	87.0	76.7	<0.002	0.18	18.50	5.5	1	1.6	687	0.74	<0.05	7.78
V339214		10.8	4.1	760	60.9	87.6	<0.002	0.21	19.25	7.2	1	1.5	756	0.76	<0.05	8.00
V339215		11.7	4.7	990	22.2	84.2	<0.002	0.04	12.15	4.8	<1	1.6	548	0.77	<0.05	7.73
V339216		11.3	4.6	990	23.9	62.6	<0.002	0.03	14.25	4.8	1	1.6	540	0.74	<0.05	7.44



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129282

Sample Description	Method Analyte Units LOR	ME-MS61 Ti %	ME-MS61 Ti ppm	ME-MS61 U ppm	ME-MS61 V ppm	ME-MS61 W ppm	ME-MS61 Y ppm	ME-MS61 Zn ppm	ME-MS61 Zr ppm	Au-AA24 Au ppm
		0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
V339179		0.231	2.90	5.3	60	4.4	15.4	1250	39.2	2.40
V339182		0.272	2.12	5.8	50	2.3	13.5	70	98.8	0.010
V339183		0.190	2.84	4.0	49	4.1	10.8	9840	32.6	>10.0
V339184		0.242	3.06	6.8	61	9.0	14.8	1400	55.5	0.281
V339185		0.124	1.82	4.5	41	5.5	7.8	2530	18.0	1.735
V339186		0.249	1.79	5.6	67	3.4	18.3	310	35.3	0.098
V339187		0.248	1.81	5.6	69	2.1	16.6	43	33.9	<0.005
V339188		0.220	1.87	5.1	61	2.3	14.7	888	29.3	0.323
V339189		0.246	1.87	4.3	66	2.2	16.1	1850	28.8	0.103
V339190		0.201	2.59	5.4	55	6.3	12.1	2930	40.0	0.794
V339191		0.256	2.20	3.9	68	2.0	15.0	3150	29.3	0.509
V339192		<0.005	<0.02	0.5	2	0.1	0.7	24	<0.5	<0.005
V339193		0.259	2.02	2.9	67	3.4	13.0	289	37.3	0.018
V339194		0.154	1.84	6.1	53	10.6	13.6	694	23.1	0.100
V339195		0.263	2.03	5.7	68	3.9	14.8	1020	53.2	0.066
V339196		<0.005	<0.02	0.7	2	0.1	0.8	21	<0.5	<0.005
V339197		0.229	2.28	5.4	60	4.1	13.4	1560	26.9	0.068
V339198		0.278	1.50	3.1	69	5.4	15.0	64	32.1	<0.005
V339199		0.268	1.54	3.8	68	5.3	16.6	68	34.0	<0.005
V339200		0.255	2.18	5.6	66	4.9	14.2	1550	30.1	0.116
V339201		0.221	2.75	5.7	60	3.9	16.7	680	29.0	0.086
V339202		0.242	1.92	4.8	64	3.6	15.9	204	29.0	0.014
V339203		0.239	1.69	7.6	67	12.9	16.7	354	36.2	0.010
V339204		0.238	2.06	3.9	64	3.0	15.1	106	37.0	0.042
V339205		0.239	1.57	2.6	65	1.6	13.7	54	30.8	<0.005
V339206		0.232	1.58	2.6	63	1.5	13.6	47	32.0	<0.005
V339207		0.214	2.67	7.1	58	3.4	13.1	1780	29.4	0.124
V339208		0.225	2.23	4.8	61	2.7	13.1	83	29.9	0.046
V339209		0.219	1.43	4.0	59	1.9	12.8	903	30.7	0.247
V339210		0.241	1.36	3.4	65	2.6	13.9	54	30.7	<0.005
V339211		0.247	1.48	3.3	65	4.4	14.3	105	31.4	<0.005
V339212		0.177	1.63	4.7	46	2.8	10.4	6670	43.9	4.61
V339213		0.315	1.81	4.2	58	1.7	10.5	197	155.0	0.022
V339214		0.283	1.65	4.7	65	1.5	12.4	89	138.0	0.013
V339215		0.301	1.62	3.3	47	1.7	8.0	93	150.0	<0.005
V339216		0.298	1.10	3.5	49	1.5	7.8	114	155.0	<0.005



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129282

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	As-OG62	Au-AA24	Au-GRA22
	ME-MS61	ME-OG62	Pb-OG62	



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

CERTIFICATE WH17129285

Project: Klaza

P.O. No.: 17-003

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 26-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

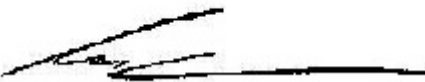
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129285

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR22 Au ppm	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	As-OG62 As %	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
		0.02	0.05	1	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01
V339073		8.11						0.44	7.37	23.4	2240	1.69	0.43	2.38	0.36	42.7
V339074		3.50	36.9	1280	3.87	1.445	4.16	>100	4.60	>10000	180	1.18	3.99	0.99	208	24.7
V339075		0.26						9.28	6.75	1895	230	1.52	6.61	1.99	42.2	42.5
V339076		5.02						1.70	4.84	172.5	3860	1.51	0.28	3.90	3.02	44.1
V339077		10.01						2.38	6.63	85.4	1760	1.77	0.21	1.89	0.61	47.9
V339078		6.92						0.54	7.08	36.5	580	1.86	0.49	1.81	0.35	51.4
V339079		3.55						5.59	6.53	152.5	1670	1.69	1.58	1.44	24.1	43.6
V339080		8.03						5.79	6.44	825	1120	1.73	0.58	3.46	15.00	45.5
V339081		3.13						1.24	4.95	116.5	3270	1.50	0.12	8.14	1.39	37.7
V339082		3.85						28.4	5.92	6700	440	1.47	0.40	3.28	17.65	46.0
V339083		5.86						0.52	7.33	61.6	1130	1.45	0.14	2.64	0.37	59.6
V339084		5.66						37.1	7.04	6220	460	1.41	1.30	2.11	41.1	57.4
V339085		<0.02						41.0	6.85	6200	640	1.40	1.28	2.06	44.1	56.2
V339086		7.42						0.21	7.16	27.2	1920	1.47	0.18	2.61	0.21	43.2
V339087		0.26						38.6	5.65	2520	110	0.99	35.2	1.68	44.4	34.2
V339088		9.31						2.85	6.89	264	1220	1.55	0.24	2.36	8.31	43.6
V339089		4.12						1.77	7.10	500	2060	1.44	0.85	1.61	2.47	38.5
V339090		10.36						0.17	6.94	14.4	1670	1.49	0.41	2.73	0.27	46.2
V339091		11.16						0.10	7.03	11.9	1540	1.72	0.24	3.05	0.22	57.0
V339092		5.59						0.12	6.96	10.0	1690	1.75	0.22	3.05	0.17	51.7
V339093		11.26						0.09	6.98	7.4	1940	1.78	0.46	2.88	0.10	42.5
V339094		11.22						0.50	6.67	54.2	3400	1.86	0.61	3.09	0.29	39.1
V339095		8.10						0.16	6.72	15.4	1990	1.64	0.26	2.57	0.10	36.6
V339096		4.08						33.8	6.59	1530	1370	1.75	0.35	1.61	95.9	42.8
V339097		6.21						0.04	0.05	<0.2	20	0.17	0.01	21.0	0.09	1.02
V339098		5.48						0.82	6.94	119.0	1310	1.61	0.25	2.77	3.18	45.6
V339099		3.48						0.13	7.72	26.7	730	1.51	0.13	0.69	0.17	42.0
V339100		8.99						0.67	6.60	50.9	1260	1.26	0.30	2.01	2.33	36.2
V339101		3.35						0.31	6.93	19.1	1240	1.35	0.27	1.88	0.73	33.8
V339102		3.70						1.47	6.59	60.0	2500	1.31	0.23	2.58	1.58	37.9
V339103		5.22						1.25	7.27	13.7	2090	1.55	0.21	2.21	0.76	36.5
V339104		9.60						0.11	7.15	8.3	2050	2.01	0.19	2.25	0.10	35.5
V339105		5.99						0.02	0.07	0.2	90	0.06	0.01	21.6	0.05	1.11
V339106		5.14						0.34	6.95	17.9	1490	1.68	0.45	1.98	0.23	34.4
V339107		3.00		140	1.440			>100	6.54	202	430	1.39	1.05	2.54	100.5	47.0
V339108		4.51						1.08	7.08	132.5	590	1.51	0.46	2.57	1.24	49.1



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129285

Sample Description	Method Analyte Units LOR	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05
V339073		5.3	10	16.60	21.6	2.90	15.95	0.13	1.2	0.073	3.16	22.1	16.9	0.63	635	1.13
V339074		10.9	9	10.70	2140	10.05	10.75	0.11	0.8	1.530	2.17	13.4	8.1	0.42	1260	1.97
V339075		17.4	21	16.20	111.5	5.38	13.95	0.11	1.2	0.890	2.92	22.1	27.8	0.71	2060	11.45
V339076		4.6	13	19.50	15.3	1.80	12.15	0.10	2.6	0.055	1.40	23.2	220	0.37	662	7.48
V339077		4.9	13	23.2	12.6	2.17	18.55	0.11	3.2	0.040	2.13	24.0	145.0	0.57	604	1.57
V339078		5.5	14	25.1	9.3	2.32	19.75	0.12	3.5	0.037	2.36	25.5	108.0	0.66	629	2.59
V339079		7.5	9	23.8	55.2	2.97	15.65	0.11	1.3	0.246	2.72	22.9	39.5	0.62	1240	28.2
V339080		5.1	7	24.4	47.6	3.15	12.45	0.11	0.9	0.195	2.37	25.9	46.3	1.26	1340	7.12
V339081		4.6	4	21.6	13.1	3.00	9.82	0.10	0.7	0.057	1.71	21.9	35.4	3.00	1560	4.43
V339082		5.6	13	19.65	109.0	2.72	12.20	0.10	1.5	0.136	1.24	25.7	87.2	1.06	905	10.25
V339083		6.1	23	19.00	17.7	2.74	19.00	0.12	4.2	0.045	1.02	29.9	261	0.87	701	1.41
V339084		4.5	7	17.45	138.0	3.80	13.85	0.11	1.1	0.636	2.98	32.9	43.4	0.77	1760	6.30
V339085		4.4	8	17.05	166.0	3.77	13.50	0.11	1.0	0.759	2.86	32.4	43.2	0.75	1700	6.55
V339086		6.2	10	20.0	6.8	2.72	14.70	0.12	1.2	0.062	2.83	22.2	34.3	0.64	599	0.84
V339087		16.3	22	9.84	1165	9.12	12.60	0.11	0.8	1.455	2.62	17.6	13.2	0.67	2270	16.35
V339088		5.2	7	17.30	34.0	2.56	14.50	0.11	1.1	0.083	2.85	22.1	62.3	0.74	1580	0.87
V339089		4.4	8	11.80	36.0	3.05	15.80	0.11	1.1	0.117	3.02	19.1	31.9	0.50	1250	0.88
V339090		6.9	10	11.30	3.8	2.43	17.40	0.12	1.1	0.061	1.94	22.9	29.1	0.66	583	0.69
V339091		6.2	10	13.15	3.9	2.55	17.90	0.15	1.0	0.067	1.70	28.6	20.9	0.75	607	1.02
V339092		6.4	9	13.00	4.6	2.50	17.50	0.14	1.0	0.060	1.79	25.9	21.2	0.73	602	1.39
V339093		8.3	9	15.50	8.3	2.80	17.55	0.13	1.0	0.053	2.31	21.0	20.9	0.75	568	1.27
V339094		8.0	9	16.50	7.4	2.77	15.00	0.14	1.0	0.049	2.52	19.7	49.7	0.85	889	1.44
V339095		6.8	9	22.3	6.9	2.57	15.20	0.14	1.0	0.047	2.84	18.1	52.7	0.65	646	1.37
V339096		7.1	8	21.7	63.4	2.89	13.80	0.12	0.9	0.083	2.45	22.8	107.0	0.55	1030	44.2
V339097		0.8	<1	0.16	5.0	0.46	0.17	0.14	<0.1	<0.005	0.02	0.5	0.9	12.95	194	0.25
V339098		9.0	7	21.4	6.2	2.95	14.45	0.13	1.0	0.038	2.42	23.6	119.0	0.93	1220	2.04
V339099		6.8	8	19.40	12.6	2.56	17.00	0.11	1.1	0.032	1.47	21.3	290	0.34	764	1.80
V339100		7.1	8	19.65	10.8	2.53	14.35	0.09	1.0	0.035	2.48	17.4	98.0	0.63	1050	1.08
V339101		6.8	8	14.95	2.6	2.45	15.00	0.11	1.0	0.062	2.22	16.6	63.1	0.59	788	1.05
V339102		7.7	8	16.30	5.8	2.49	14.50	0.12	1.0	0.043	2.89	18.6	47.3	0.77	1650	0.86
V339103		8.5	8	14.50	7.3	3.03	17.90	0.12	1.2	0.045	3.01	17.6	30.3	0.61	453	1.04
V339104		7.5	10	20.8	13.1	3.22	15.50	0.13	1.1	0.045	2.70	17.3	26.3	0.73	436	1.42
V339105		0.9	1	0.16	2.1	0.51	0.22	0.13	<0.1	<0.005	0.02	0.5	0.9	13.40	203	0.06
V339106		5.2	7	23.5	4.6	2.69	16.40	0.12	1.2	0.044	3.05	16.2	116.0	0.60	773	1.03
V339107		16.9	8	16.95	235	3.48	13.30	0.11	0.9	0.518	2.45	25.6	84.3	0.88	2080	3.82
V339108		5.8	8	18.05	5.5	2.75	15.00	0.13	1.1	0.057	3.22	25.1	37.1	0.85	2330	1.96



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129285

Sample Description	Method Analyte Units LOR	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm
		0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05
V339073		1.76	8.3	2.6	590	26.7	128.5	<0.002	0.19	7.28	10.7	1	1.4	289	0.63	0.17
V339074		0.02	4.2	2.1	320	>10000	115.5	<0.002	9.72	1935	5.7	1	15.6	35.5	0.39	0.34
V339075		0.27	7.7	15.2	520	1400	154.5	0.002	3.23	36.8	8.4	1	5.7	154.0	0.56	0.28
V339076		0.05	7.0	4.3	700	147.5	55.5	0.002	0.34	52.8	4.1	<1	1.3	366	0.43	<0.05
V339077		0.03	10.1	4.4	910	87.3	67.9	<0.002	0.07	36.1	4.3	1	1.7	416	0.64	<0.05
V339078		0.03	10.9	5.1	1040	36.1	69.8	<0.002	0.07	23.1	4.7	1	1.6	405	0.67	<0.05
V339079		0.03	7.3	4.0	620	884	133.0	0.003	1.10	58.7	9.1	1	3.8	116.0	0.53	0.05
V339080		0.04	6.3	2.4	480	709	128.0	<0.002	1.39	35.9	7.9	1	2.7	138.5	0.51	0.15
V339081		0.04	4.7	3.0	360	72.9	88.6	<0.002	0.34	19.90	6.2	1	2.1	338	0.39	<0.05
V339082		0.03	6.7	7.8	490	2380	62.2	0.002	1.18	101.0	5.8	<1	3.9	288	0.48	<0.05
V339083		0.02	11.2	6.4	1320	26.6	32.0	<0.002	0.09	37.4	6.0	1	2.4	454	0.66	<0.05
V339084		0.03	7.1	2.5	520	2830	172.0	<0.002	2.49	97.5	8.5	1	3.8	102.0	0.55	0.20
V339085		0.03	6.8	2.5	510	3290	165.5	<0.002	2.50	103.0	8.2	1	3.8	99.8	0.52	0.16
V339086		1.69	8.2	2.3	570	27.9	106.5	<0.002	0.09	5.73	9.9	1	1.4	284	0.64	<0.05
V339087		0.06	4.4	13.4	450	1610	142.0	0.003	7.88	105.5	7.4	1	10.2	61.8	0.36	0.68
V339088		0.13	7.8	2.4	540	466	131.0	<0.002	0.93	24.5	9.3	1	2.2	127.5	0.63	<0.05
V339089		0.11	7.8	2.2	570	205	133.5	<0.002	1.31	20.5	10.2	1	2.8	84.4	0.60	0.07
V339090		1.36	8.3	2.8	580	18.2	66.8	<0.002	0.24	9.74	10.7	1	1.8	219	0.61	0.15
V339091		2.18	8.8	2.9	640	16.9	66.1	<0.002	0.21	3.65	12.5	1	2.0	286	0.60	0.07
V339092		2.05	8.6	2.7	630	15.9	65.0	<0.002	0.19	3.94	12.3	1	2.1	292	0.59	0.07
V339093		2.25	8.1	2.8	600	16.2	84.3	<0.002	0.18	2.70	11.3	1	1.9	334	0.58	0.18
V339094		1.12	7.6	2.5	550	26.1	101.0	<0.002	0.37	9.92	10.3	1	1.6	230	0.56	0.22
V339095		1.45	7.9	2.6	560	15.4	106.5	<0.002	0.15	9.05	10.7	1	1.3	265	0.57	0.08
V339096		0.03	6.9	3.8	470	2670	133.0	0.006	2.06	105.5	9.3	1	1.7	133.5	0.51	0.11
V339097		0.01	0.1	1.5	190	2.8	0.8	<0.002	0.01	0.09	0.2	1	<0.2	46.6	<0.05	<0.05
V339098		0.03	7.8	2.7	550	112.5	97.8	<0.002	0.50	25.5	10.0	1	1.6	140.0	0.59	0.07
V339099		0.03	8.4	2.8	690	22.3	75.2	<0.002	0.32	40.9	11.5	1	1.5	227	0.63	<0.05
V339100		0.05	7.6	2.3	550	89.8	97.1	<0.002	0.54	25.8	9.0	1	2.8	110.5	0.59	0.08
V339101		0.06	8.1	2.3	580	19.1	83.3	<0.002	0.29	28.3	10.0	1	1.5	82.6	0.61	0.16
V339102		0.07	7.6	2.3	560	137.5	106.0	<0.002	0.72	14.85	10.1	1	1.7	107.0	0.57	0.06
V339103		0.83	8.8	2.6	610	121.0	108.5	<0.002	0.22	9.21	11.2	1	1.9	174.5	0.67	<0.05
V339104		1.50	8.6	2.9	600	17.7	99.1	<0.002	0.06	5.78	11.5	1	1.4	245	0.64	0.05
V339105		0.01	0.1	1.7	190	1.6	1.1	<0.002	0.01	0.05	0.2	1	<0.2	50.0	<0.05	<0.05
V339106		0.10	8.3	2.3	580	36.1	108.5	<0.002	0.22	18.25	9.6	1	1.6	113.0	0.66	0.17
V339107		0.02	6.7	2.9	510	>10000	132.5	<0.002	2.33	135.5	8.6	1	2.5	147.0	0.51	0.22
V339108		0.02	8.1	2.6	600	77.7	157.0	<0.002	1.17	14.00	10.8	1	1.6	125.0	0.63	0.19



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129285

Sample Description	Method Analyte Units LOR	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
V339073		12.50	0.254	1.43	3.0	68	1.1	15.6	78	32.2	0.007
V339074		8.22	0.141	2.04	3.2	40	3.7	8.2	>10000	19.9	>10.0
V339075		11.75	0.213	2.26	5.4	60	4.7	11.7	3140	38.8	0.770
V339076		7.03	0.221	0.91	6.7	43	2.7	10.2	421	111.5	0.065
V339077		8.28	0.286	0.95	4.1	46	2.4	8.1	146	125.0	0.037
V339078		8.53	0.309	1.01	3.5	51	2.5	8.5	128	143.0	0.011
V339079		11.35	0.231	1.98	9.1	63	2.6	10.7	1680	46.2	0.142
V339080		12.90	0.203	1.72	5.9	55	2.7	12.7	1580	26.1	0.305
V339081		9.72	0.153	1.28	3.8	45	2.0	14.0	149	20.3	0.045
V339082		10.00	0.204	1.15	10.1	48	3.8	11.5	1360	54.7	3.77
V339083		8.58	0.364	0.71	5.6	66	3.5	11.4	176	181.5	0.012
V339084		13.25	0.218	2.44	5.3	59	2.7	13.4	3100	29.9	2.15
V339085		12.75	0.211	2.31	5.0	58	2.6	12.8	3250	29.1	2.08
V339086		11.85	0.251	1.33	4.1	65	1.1	14.9	76	32.2	0.005
V339087		8.97	0.166	1.94	5.6	56	6.5	9.1	3370	22.5	1.730
V339088		11.45	0.230	2.11	3.4	60	2.6	13.1	829	31.7	0.098
V339089		10.45	0.238	1.84	3.1	65	3.0	12.6	417	29.9	0.093
V339090		9.83	0.250	0.89	3.2	66	1.3	14.5	104	29.9	0.005
V339091		11.10	0.270	0.82	3.2	74	1.1	16.8	91	29.5	0.005
V339092		10.00	0.274	0.82	3.0	74	1.1	16.0	75	27.6	<0.005
V339093		9.69	0.257	0.90	3.2	70	1.4	14.6	48	28.9	<0.005
V339094		9.13	0.239	1.37	3.7	64	1.9	14.1	61	28.4	0.018
V339095		9.18	0.244	1.43	3.0	65	1.5	13.1	49	29.1	<0.005
V339096		11.05	0.215	3.11	5.9	58	3.1	12.5	5730	26.6	0.481
V339097		0.09	<0.005	<0.02	0.9	2	0.1	0.7	20	<0.5	<0.005
V339098		12.30	0.243	1.83	6.3	64	4.1	14.8	243	29.0	0.017
V339099		13.05	0.257	1.45	9.2	66	16.3	12.5	51	31.3	0.007
V339100		10.25	0.236	1.77	3.6	63	3.5	12.3	211	27.6	0.013
V339101		10.90	0.249	1.30	2.6	65	3.1	13.0	133	28.8	0.007
V339102		10.15	0.237	1.91	2.4	63	3.5	13.3	154	27.2	0.075
V339103		11.00	0.265	1.32	2.8	70	3.3	14.0	103	32.3	0.005
V339104		10.50	0.260	1.07	3.1	69	2.0	14.3	63	32.0	<0.005
V339105		0.11	<0.005	<0.02	0.7	2	0.1	0.8	16	<0.5	<0.005
V339106		10.70	0.249	1.71	4.9	68	2.0	13.1	98	32.5	<0.005
V339107		12.15	0.213	1.95	9.0	57	3.3	13.5	7220	25.4	0.244
V339108		12.35	0.251	2.88	5.3	67	3.3	13.7	145	31.2	0.038



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129285

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	As-OG62	Au-AA24	Au-GRA22
	ME-MS61	ME-OG62	Pb-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

CERTIFICATE WH17129287

Project: Klaza

P.O. No.: 17-005

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 26-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129287

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	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
		0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
V339145		7.68				0.11	7.57	10.4	2590	1.57	0.22	1.77	0.20	48.7	8.0	9
V339146		5.88				0.22	7.86	13.9	2350	1.58	0.18	1.88	0.24	50.2	6.1	8
V339147		6.03				1.78	6.53	41.2	2100	1.56	1.32	2.67	0.38	40.9	8.6	8
V339148		4.57				0.11	7.67	11.9	2350	1.55	0.20	1.43	0.11	47.2	7.1	8
V339149		8.80				0.42	7.15	20.3	2080	1.71	0.37	2.26	0.21	42.1	6.7	8
V339150		3.89				0.93	7.10	15.1	2060	1.71	0.23	2.53	3.61	41.7	6.8	9
V339151		0.26				37.3	5.47	2420	220	1.21	33.6	1.60	42.0	33.1	16.7	22
V339152		6.27				7.32	7.31	184.0	2130	1.70	1.65	2.14	23.0	47.8	9.0	8
V339153		10.72				0.14	6.95	23.3	1370	2.00	0.20	2.98	0.25	45.9	6.5	11
V339154		7.57				0.10	7.28	17.1	1750	1.92	0.16	2.95	0.29	49.7	6.9	9
V339155		3.49				0.08	6.97	18.1	1440	1.70	0.14	2.90	0.16	43.0	6.5	9
V339156		3.81				0.29	7.10	15.6	3280	1.49	0.24	2.62	1.67	48.1	7.6	8
V339157		12.96				2.13	6.65	27.8	2230	1.58	0.25	2.77	1.52	40.3	7.5	10
V339180		8.63				0.25	7.32	22.3	2140	1.52	0.27	2.11	0.22	48.3	6.7	12
V339158		2.48	283	1.370	1.970	>100	5.32	4550	2360	1.19	6.70	1.48	231	37.2	19.6	10
V339159		5.97				0.44	0.07	6.7	30	0.05	0.03	20.4	0.41	1.24	0.8	1
V339160		10.45				1.35	7.16	49.4	1790	1.39	0.28	1.45	1.03	43.2	6.3	8
V339161		<0.02				0.99	7.24	45.3	1630	1.38	1.39	1.45	1.05	47.9	6.6	8
V339181		3.23				13.30	7.31	1015	2010	1.79	0.64	1.58	10.60	50.4	8.5	8
V339162		9.78				0.94	6.97	56.9	2480	1.60	0.48	2.42	1.32	41.9	5.8	10
V339163		10.35				0.23	7.22	24.2	1780	1.96	0.27	2.53	0.24	60.1	5.7	15
V339164		0.26				9.36	6.34	1760	220	1.62	6.01	1.84	39.7	43.2	17.1	20
V339165		10.05				18.95	6.96	886	1350	1.40	1.43	1.69	36.0	50.1	8.6	9
V339166		9.40				1.30	7.09	148.5	1760	1.62	0.53	2.02	1.31	45.8	9.0	8
V339167		4.85				2.79	6.88	266	1890	1.75	0.16	2.04	4.10	44.0	6.9	8
V339168		5.94				0.17	6.75	7.6	2120	1.68	0.12	2.54	0.26	39.0	7.1	10
V339169		10.00				1.86	6.90	395	1350	1.57	0.20	2.02	7.26	46.6	6.3	14
V339170		4.70				8.77	7.13	469	860	1.62	1.82	1.29	16.25	65.8	8.4	8
V339171		5.33				10.40	5.84	351	360	1.26	11.85	1.66	2.45	56.8	40.6	8
V339172		6.16				0.03	0.07	0.8	20	<0.05	0.04	20.1	0.08	1.30	0.7	1
V339173		10.13				1.86	6.98	403	800	1.56	0.62	1.82	5.96	55.5	6.6	8
V339174		11.60				13.20	6.39	2910	1860	1.56	0.72	2.60	51.4	41.6	6.3	8
V339175		10.45				0.46	6.66	39.6	2190	1.56	0.17	2.58	0.52	38.8	7.2	9
V339176		11.37				2.70	6.82	217	2150	1.60	0.85	2.69	3.09	43.1	6.7	9
V339177		8.01				13.45	6.69	840	1310	1.96	1.64	3.48	7.75	49.7	6.2	12
V339178		4.63				1.01	7.21	79.4	1290	2.33	0.27	3.65	0.81	59.8	5.6	22



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129287

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
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
V339145		12.90	10.8	3.21	18.20	0.15	1.2	0.086	2.97	24.5	23.0	0.63	586	1.85	1.67
V339146		14.00	14.1	2.98	18.60	0.17	1.3	0.056	3.20	25.2	24.2	0.54	601	1.45	1.43
V339147		10.70	18.6	3.41	17.00	0.16	1.1	0.087	2.60	19.9	14.0	0.68	870	1.69	1.56
V339148		11.65	11.6	3.15	17.45	0.19	1.2	0.067	2.96	23.6	23.7	0.45	553	1.76	1.50
V339149		15.75	18.0	2.83	17.40	0.20	1.3	0.064	2.87	20.6	19.5	0.52	658	1.25	1.48
V339150		21.3	15.8	2.83	17.05	0.18	1.3	0.050	2.79	20.2	27.3	0.63	677	1.31	1.88
V339151		9.84	1160	8.95	14.00	0.11	0.8	1.460	2.52	17.0	15.8	0.65	2260	17.25	0.06
V339152		20.5	54.7	3.08	17.40	0.18	1.8	0.266	2.91	24.0	45.3	0.77	716	1.46	0.41
V339153		27.9	7.3	2.56	19.10	0.19	3.6	0.037	3.51	22.0	38.4	0.87	567	0.85	0.24
V339154		25.8	6.3	2.58	20.0	0.19	3.7	0.035	3.44	24.2	38.1	0.97	646	0.96	0.06
V339155		22.3	5.7	2.50	18.10	0.17	3.4	0.031	3.40	20.7	34.7	0.94	621	0.92	0.06
V339156		23.8	13.2	2.97	17.95	0.17	2.1	0.062	2.73	24.2	49.5	0.83	741	0.68	0.11
V339157		16.45	17.3	2.81	16.20	0.17	1.2	0.055	2.70	19.6	30.5	0.76	752	0.80	1.61
V339180		14.65	9.7	2.99	17.20	0.20	1.2	0.055	2.97	23.8	21.6	0.71	672	0.84	1.70
V339158		14.60	645	5.53	12.30	0.13	0.9	0.321	2.45	19.2	27.4	0.59	1100	1.78	0.04
V339159		0.21	3.0	0.45	0.31	0.15	<0.1	<0.005	0.03	0.6	1.1	12.45	199	0.07	0.01
V339160		18.20	20.8	2.82	16.45	0.14	1.2	0.053	2.83	21.0	65.2	0.58	862	1.32	0.06
V339161		18.85	23.7	2.82	16.70	0.16	1.2	0.056	2.83	24.2	68.8	0.57	860	1.60	0.06
V339181		22.7	69.7	3.03	16.95	0.16	1.2	0.189	3.18	25.3	106.0	0.62	695	1.42	0.18
V339162		18.45	20.2	2.84	16.20	0.17	1.2	0.058	2.99	20.5	18.0	0.65	786	2.05	1.88
V339163		25.5	15.3	2.35	20.2	0.22	3.7	0.029	2.54	29.7	113.0	0.71	462	0.87	0.29
V339164		16.45	109.5	5.09	15.30	0.11	1.4	0.885	2.80	21.6	25.2	0.67	1980	12.45	0.26
V339165		20.0	115.0	3.51	15.85	0.16	1.1	0.129	3.14	25.8	43.1	0.68	969	2.52	0.07
V339166		25.6	27.0	2.92	16.90	0.17	1.3	0.053	3.65	22.6	56.7	0.63	1330	1.73	0.10
V339167		21.7	20.8	2.78	14.30	0.12	1.1	0.057	3.12	22.6	26.4	0.58	1960	1.45	0.70
V339168		17.70	17.6	2.97	14.25	0.12	1.3	0.047	2.69	19.1	12.1	0.67	711	2.59	1.89
V339169		23.7	23.2	2.71	14.25	0.12	1.0	0.048	3.09	24.6	33.8	0.63	1620	1.10	0.45
V339170		26.9	69.4	3.11	14.30	0.11	1.0	0.185	3.05	37.4	14.4	0.52	1670	2.13	0.03
V339171		13.35	154.0	7.25	12.45	0.12	1.0	0.242	2.67	30.7	11.6	0.56	2050	1.73	0.02
V339172		0.22	2.1	0.44	0.21	0.11	<0.1	<0.005	0.03	0.6	0.7	12.55	194	0.05	<0.01
V339173		20.0	28.0	2.79	14.05	0.12	0.9	0.112	3.15	30.2	14.4	0.65	2030	1.67	0.03
V339174		25.0	83.3	3.14	13.90	0.11	1.2	0.349	2.90	21.4	30.9	0.71	1100	2.29	0.51
V339175		22.6	11.6	2.70	14.45	0.12	1.1	0.059	2.82	19.7	24.0	0.65	610	1.33	1.80
V339176		28.3	23.3	2.84	14.65	0.12	1.0	0.097	3.05	22.1	45.5	0.76	770	1.47	0.62
V339177		24.5	53.4	2.62	15.90	0.13	2.4	0.148	2.50	25.4	89.2	0.72	747	3.59	0.06
V339178		39.4	16.0	2.34	17.60	0.13	2.7	0.040	2.27	31.4	206	1.13	634	1.01	0.06



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129287

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
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
V339145		2.5	610	20.1	124.0	<0.002	0.05	4.51	11.7	1	2.0	253	0.70	0.05	12.85
V339146		2.0	640	20.3	130.0	<0.002	0.05	6.09	10.8	1	2.0	212	0.73	<0.05	14.20
V339147		2.5	560	64.1	103.5	<0.002	0.59	4.82	10.4	1	2.0	232	0.65	0.54	10.75
V339148		2.2	600	17.0	120.0	<0.002	0.06	5.62	11.3	1	1.9	181.5	0.68	<0.05	12.55
V339149		1.9	570	38.0	117.5	<0.002	0.09	5.40	10.1	1	1.7	232	0.68	0.08	11.30
V339150		2.0	570	172.0	104.5	<0.002	0.07	5.20	9.8	1	1.5	331	0.68	<0.05	11.25
V339151		13.6	430	1590	140.5	0.002	7.58	101.0	8.1	2	10.4	60.3	0.40	0.71	8.39
V339152		2.6	610	1185	125.5	<0.002	0.61	22.5	9.9	1	1.9	206	0.69	0.17	12.00
V339153		4.3	750	24.0	118.0	<0.002	0.05	17.90	7.5	1	1.4	331	0.81	<0.05	8.14
V339154		3.9	790	22.5	134.0	<0.002	0.07	29.3	7.8	1	1.4	262	0.81	<0.05	8.86
V339155		3.6	780	14.2	119.5	<0.002	0.08	28.0	6.9	1	1.3	256	0.74	<0.05	7.69
V339156		2.8	670	41.8	107.0	<0.002	0.09	31.5	9.5	1	2.1	178.0	0.67	<0.05	11.15
V339157		2.1	550	249	101.5	<0.002	0.16	5.66	9.3	1	1.7	294	0.62	<0.05	10.90
V339180		1.9	590	26.4	117.5	<0.002	0.18	5.26	10.9	1	1.7	282	0.69	0.11	13.10
V339158		2.6	400	>10000	133.5	<0.002	5.85	432	7.4	1	5.2	69.0	0.44	4.63	9.13
V339159		1.2	180	22.5	1.4	<0.002	0.01	0.82	0.2	1	<0.2	46.4	<0.05	<0.05	0.20
V339160		2.1	560	64.4	110.0	<0.002	0.35	30.2	9.0	1	1.7	105.0	0.64	0.09	12.50
V339161		2.1	570	44.1	116.5	<0.002	0.35	32.5	9.7	1	1.7	105.0	0.68	0.81	13.25
V339181		2.1	570	651	127.5	<0.002	0.68	45.8	10.1	1	2.1	157.5	0.69	0.19	13.40
V339162		2.0	540	68.3	120.0	<0.002	0.19	7.51	9.4	1	1.6	316	0.63	0.23	11.90
V339163		4.5	1010	25.6	84.8	<0.002	0.05	14.70	5.1	1	2.5	560	0.76	<0.05	9.21
V339164		14.9	490	1325	151.5	<0.002	3.01	34.6	8.6	1	5.8	145.0	0.61	0.27	11.45
V339165		2.1	520	1695	154.5	<0.002	1.38	59.7	9.6	1	2.2	118.0	0.62	0.58	12.65
V339166		2.1	560	84.0	161.0	<0.002	0.64	15.30	10.0	1	1.8	150.5	0.75	0.13	12.85
V339167		2.5	530	384	147.5	<0.002	0.75	16.35	9.7	1	1.6	192.5	0.59	<0.05	11.95
V339168		2.3	560	28.5	100.5	<0.002	0.05	2.54	9.7	1	1.7	334	0.66	<0.05	10.35
V339169		2.4	520	268	145.5	<0.002	0.70	14.20	9.3	1	2.5	197.0	0.59	<0.05	12.55
V339170		2.4	550	598	186.0	<0.002	2.32	26.4	9.5	1	4.0	129.0	0.56	0.64	13.10
V339171		3.0	460	201	167.0	<0.002	7.08	21.0	8.0	1	3.4	64.8	0.47	0.50	10.05
V339172		1.1	180	2.4	1.5	<0.002	<0.01	0.09	0.2	1	<0.2	44.5	<0.05	<0.05	0.10
V339173		2.3	530	239	171.0	<0.002	1.21	13.00	9.6	1	2.3	104.5	0.54	0.11	12.80
V339174		2.5	530	1460	127.0	<0.002	1.32	33.4	8.8	1	3.0	238	0.55	0.08	10.55
V339175		2.2	570	58.9	111.0	<0.002	0.16	4.86	9.4	1	1.5	335	0.61	<0.05	10.70
V339176		2.4	570	216	123.0	<0.002	0.70	10.20	9.7	1	2.1	226	0.60	0.11	11.10
V339177		4.4	810	529	90.2	<0.002	0.92	30.0	6.3	<1	2.4	437	0.64	0.10	9.44
V339178		13.4	750	75.5	93.2	<0.002	0.16	13.85	6.0	1	1.8	373	0.66	<0.05	10.50



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 30-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129287

Sample Description	Method Analyte Units LOR	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
V339145		1.36	3.6	70	3.6	17.1	69	31.9	<0.005
V339146		1.47	4.2	70	4.4	16.6	71	34.8	<0.005
V339147		1.38	4.1	65	6.1	14.6	82	29.8	0.034
V339148		1.26	3.6	72	2.8	15.9	63	31.6	<0.005
V339149		1.38	3.9	65	2.6	15.3	67	34.1	0.012
V339150		1.28	3.7	66	2.6	15.0	244	34.8	0.006
V339151		2.09	5.2	55	7.4	8.8	3310	23.9	1.700
V339152		1.79	5.9	68	3.0	15.8	1730	58.6	0.264
V339153		2.53	5.0	70	2.8	13.5	73	133.5	<0.005
V339154		3.05	5.3	70	3.5	14.2	88	141.0	<0.005
V339155		2.91	4.8	69	3.8	12.4	78	128.5	<0.005
V339156		1.76	3.3	71	3.7	16.1	171	73.5	0.014
V339157		1.40	3.8	63	2.8	14.0	136	32.5	0.041
V339180		1.46	4.1	69	2.8	16.1	57	32.9	0.008
V339158		2.06	4.2	47	7.8	9.6	>10000	24.5	1.495
V339159		<0.02	0.7	2	0.1	0.8	43	<0.5	<0.005
V339160		1.87	4.1	65	3.5	13.5	123	30.8	0.025
V339161		1.86	4.3	64	3.6	14.9	118	31.8	0.023
V339181		2.51	7.4	64	2.1	16.0	754	33.4	1.260
V339162		1.52	4.1	63	2.4	14.1	122	31.7	0.031
V339163		1.19	4.0	47	2.4	9.5	80	145.0	<0.005
V339164		2.43	5.0	56	5.2	11.1	2990	40.9	0.781
V339165		2.18	3.5	62	3.9	14.2	2470	31.6	0.300
V339166		2.77	5.1	65	3.9	14.6	119	35.8	0.037
V339167		2.33	4.1	62	4.1	13.5	314	31.5	0.076
V339168		1.28	3.9	69	2.7	15.0	54	35.1	<0.005
V339169		2.34	4.4	61	3.9	13.6	541	28.7	0.145
V339170		2.85	5.6	62	5.4	12.1	1180	30.5	0.335
V339171		2.42	3.8	53	5.2	11.4	228	27.5	1.795
V339172		0.02	0.6	2	0.1	0.8	17	<0.5	0.006
V339173		2.75	5.5	64	5.9	13.4	467	27.2	0.133
V339174		1.98	5.3	62	2.7	13.6	3480	36.4	2.32
V339175		1.46	3.5	65	1.6	14.3	79	30.6	0.020
V339176		1.91	3.1	65	2.5	13.8	303	28.9	0.174
V339177		1.65	4.1	50	1.9	10.4	689	92.5	0.608
V339178		1.57	4.9	50	1.9	12.9	118	101.0	0.027



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 30-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129287

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Pb-OG62	Zn-OG62		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-JUL-2017
Account: ROCKHA

CERTIFICATE WH17129289

Project: Klaza

P.O. No.: 17-004

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT,
Canada on 26-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

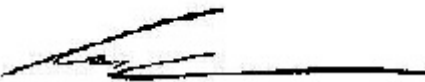
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129289

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	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
		0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
V339109		7.48	121			>100	5.09	3200	1210	1.09	0.95	3.18	79.6	37.3	5.1	7
V339110		7.61				2.13	6.97	46.4	1740	1.33	1.55	2.19	2.36	36.7	8.4	10
V339111		6.55				0.32	7.38	17.8	2270	1.36	0.37	1.82	0.23	44.6	7.1	10
V339112		5.00				0.81	7.24	27.1	1400	1.51	0.54	1.80	3.19	60.3	7.5	9
V339113		7.11				0.12	7.31	8.5	2330	1.33	0.26	1.93	0.26	47.6	6.0	8
V339114		0.25				36.0	5.44	2390	340	0.99	31.1	1.61	43.1	33.5	16.1	21
V339115		2.85				5.72	6.13	1505	360	1.39	8.10	1.45	5.22	44.9	29.2	8
V339116		7.37				0.40	7.62	12.8	1700	1.41	5.39	1.45	0.18	56.3	7.2	9
V339117		6.13				4.41	7.20	422	500	1.44	1.63	2.33	23.2	38.8	10.4	9
V339118		7.93				0.15	7.64	12.6	2500	1.50	0.18	2.12	0.39	54.2	6.3	13
V339119		6.61				0.29	7.84	18.4	2350	1.48	0.17	1.39	2.10	53.9	6.1	9
V339120		0.25				8.80	6.75	1815	940	1.42	6.05	1.95	42.2	45.3	18.1	20
V339121		5.82				0.13	7.62	10.6	2510	1.55	0.17	1.94	0.39	51.2	3.7	9
V339122		7.89				0.08	7.37	10.1	2320	1.70	0.14	2.66	0.17	42.0	5.3	10
V339123		8.33				0.44	8.01	79.5	2310	1.77	0.19	1.28	3.55	50.7	7.2	10
V339124		4.81				1.96	7.51	456	1010	1.75	0.14	2.49	4.06	48.5	6.9	8
V339125		7.71				9.19	6.60	877	1270	1.53	0.24	1.70	36.2	46.9	7.1	9
V339126		9.36				0.81	7.23	22.8	2310	1.62	0.28	2.64	1.37	44.4	8.7	11
V339127		11.91				0.31	7.83	12.7	2510	1.62	0.31	2.67	0.40	49.6	7.3	12
V339128		7.18				0.15	7.47	12.8	2380	1.69	0.13	2.74	0.16	43.6	6.9	11
V339129		6.14				0.08	7.86	8.2	2470	1.65	0.12	2.32	0.12	53.9	6.5	12
V339130		4.31				0.12	7.36	13.4	2250	1.62	0.14	2.65	0.25	44.7	6.0	11
V339131		6.30				0.64	7.31	66.0	2100	1.71	0.18	2.53	1.74	44.5	6.8	10
V339132		3.10		1.265	1.265	63.0	4.03	4270	310	0.61	4.82	0.70	130.0	1.99	9.3	9
V339133		6.20				0.08	0.13	2.4	40	0.06	0.05	20.6	0.31	1.45	1.0	1
V339134		3.26				1.28	6.95	238	1350	1.51	0.73	2.76	3.67	44.8	11.3	8
V339135		7.95				8.43	7.04	126.0	2640	1.68	0.42	2.36	6.96	43.3	7.3	9
V339136		<0.02				5.98	6.90	125.5	2660	1.58	0.32	2.37	6.41	40.4	6.7	10
V339137		6.34				0.32	7.00	20.8	2360	1.55	0.35	2.80	0.26	38.5	6.9	11
V339138		6.46				3.15	7.17	45.3	2350	1.58	0.21	2.35	1.46	40.8	7.1	10
V339139		5.87				3.10	7.05	94.0	2240	1.66	0.65	3.13	8.00	43.6	8.6	9
V339140		6.27				0.02	0.06	<0.2	20	<0.05	0.04	21.0	0.07	1.20	0.8	<1
V339141		6.67				0.09	7.68	7.9	2430	1.63	0.18	2.74	0.12	44.8	7.2	12
V339142		9.89				0.48	8.34	23.9	2110	1.53	0.25	1.07	0.60	41.7	7.5	8
V339143		4.35				0.10	7.94	9.1	2550	1.74	0.15	2.19	0.15	45.2	7.2	9
V339144		5.96				0.07	7.93	7.5	2520	1.61	0.14	2.02	0.12	44.9	7.0	9



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-JUL-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17129289

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
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
V339109		17.80	340	4.15	10.25	0.10	0.7	0.320	2.23	20.4	26.2	0.75	4960	20.2	0.02
V339110		22.0	23.6	3.06	15.25	0.11	1.1	0.102	2.85	17.7	52.9	0.63	979	1.28	0.08
V339111		19.30	9.7	2.91	15.55	0.12	1.0	0.056	2.68	22.6	66.5	0.64	814	1.50	0.08
V339112		15.30	7.4	2.32	14.90	0.13	1.0	0.054	2.31	33.8	186.5	0.64	765	1.68	0.04
V339113		19.75	11.6	2.38	15.10	0.12	1.1	0.048	2.40	24.6	87.3	0.60	816	1.81	0.08
V339114		10.05	1125	8.77	12.20	0.12	0.7	1.400	2.48	17.6	14.3	0.65	2210	17.10	0.06
V339115		7.93	262	7.71	12.10	0.11	0.9	0.306	2.68	24.2	13.8	0.57	1160	0.65	0.03
V339116		15.45	4.7	2.33	16.00	0.11	1.1	0.049	2.67	30.4	63.3	0.48	774	1.16	0.07
V339117		10.15	23.0	3.27	15.55	0.11	1.0	0.041	2.80	19.8	55.6	0.70	1040	2.81	0.08
V339118		9.96	5.2	3.05	15.45	0.15	1.1	0.048	2.74	29.7	15.9	0.82	636	0.90	2.39
V339119		11.70	8.9	2.95	15.90	0.12	1.2	0.053	2.93	29.0	26.9	0.28	857	2.26	1.02
V339120		17.20	113.0	5.30	14.05	0.11	1.2	0.870	2.91	23.8	24.5	0.71	2030	12.05	0.27
V339121		8.35	3.5	3.16	15.25	0.12	1.3	0.066	2.76	28.2	14.8	0.68	618	2.47	1.59
V339122		16.80	3.6	2.91	15.75	0.13	1.2	0.043	2.73	21.6	24.4	0.68	571	2.14	2.08
V339123		23.5	7.3	3.06	16.05	0.13	1.0	0.055	3.39	27.4	51.5	0.30	1040	4.01	0.54
V339124		24.1	14.7	2.62	16.20	0.12	1.0	0.039	3.21	25.5	49.6	0.79	1960	3.99	0.03
V339125		16.35	55.1	3.01	13.40	0.12	1.0	0.085	2.92	26.0	24.1	0.60	1840	3.03	0.08
V339126		12.45	13.2	2.97	15.05	0.13	1.0	0.070	2.93	23.2	14.6	0.72	756	4.99	1.92
V339127		12.70	16.2	3.12	15.85	0.14	1.0	0.058	2.96	26.3	16.5	0.80	742	1.63	2.43
V339128		12.25	8.4	3.18	16.00	0.13	1.1	0.039	2.70	21.6	19.8	0.83	802	2.50	2.49
V339129		12.30	6.7	3.04	15.80	0.15	1.0	0.038	2.74	29.4	22.7	0.96	570	1.46	2.58
V339130		11.40	3.8	2.93	15.30	0.13	1.0	0.043	2.62	23.5	19.6	0.74	580	1.08	2.32
V339131		13.90	9.7	2.79	15.60	0.12	1.0	0.085	2.79	22.7	21.1	0.61	978	0.90	1.63
V339132		2.97	251	6.31	12.95	0.08	0.6	1.795	1.32	1.1	18.6	0.64	2430	1.87	0.13
V339133		0.22	9.3	0.49	0.35	0.11	<0.1	0.015	0.04	0.7	0.9	12.70	203	0.82	0.03
V339134		9.22	11.8	3.88	14.75	0.10	1.1	0.210	2.82	24.1	22.9	0.92	2020	0.90	0.22
V339135		19.05	24.5	3.17	15.35	0.11	1.1	0.072	2.88	21.9	50.9	0.68	1300	0.91	0.87
V339136		18.35	18.9	3.05	15.40	0.12	1.1	0.067	2.90	20.3	46.6	0.67	1230	0.91	0.94
V339137		13.35	23.9	2.90	15.45	0.11	1.3	0.054	2.79	19.0	13.8	0.62	804	5.43	1.65
V339138		17.25	25.0	2.95	15.55	0.12	1.3	0.056	2.94	20.6	23.3	0.64	958	1.56	1.05
V339139		17.70	28.0	3.29	15.25	0.14	1.3	0.108	2.89	22.5	28.1	0.81	1400	1.92	0.87
V339140		0.14	2.1	0.46	0.19	0.10	<0.1	0.010	0.02	0.6	0.6	12.95	203	0.17	0.01
V339141		14.00	7.1	3.17	16.50	0.11	1.1	0.051	2.94	22.5	11.4	0.80	658	2.22	2.50
V339142		13.15	13.8	3.23	17.45	0.12	1.1	0.059	2.92	20.6	37.8	0.41	1010	2.80	0.24
V339143		16.05	10.1	3.46	17.20	0.12	1.1	0.055	2.87	22.8	21.5	0.80	581	2.04	2.11
V339144		16.10	7.1	3.46	16.70	0.13	1.1	0.050	2.87	23.2	22.3	0.81	553	2.79	1.98



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129289

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
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
															0.005
V339109		2.4	390	6840	149.5	0.002	3.28	181.5	6.9	1	6.5	90.1	0.38	0.08	9.25
V339110		2.6	600	175.0	105.0	<0.002	0.63	12.20	9.5	1	3.3	114.0	0.64	0.63	10.85
V339111		2.5	610	28.1	112.5	<0.002	0.40	15.90	10.2	1	2.4	96.6	0.62	0.09	12.60
V339112		2.5	520	150.0	122.0	<0.002	0.69	31.8	9.5	1	2.2	119.0	0.57	0.20	13.40
V339113		2.2	590	20.4	92.8	<0.002	0.19	18.70	9.8	1	1.9	126.5	0.61	0.08	12.65
V339114		13.9	430	1595	140.5	0.002	7.61	96.3	7.5	1	9.6	60.6	0.35	0.58	8.54
V339115		3.3	430	486	155.0	<0.002	7.32	16.35	7.8	1	3.8	45.7	0.48	0.38	10.20
V339116		2.2	610	19.9	129.0	<0.002	0.79	19.95	10.1	1	2.2	84.6	0.60	3.18	13.60
V339117		2.6	570	644	126.5	0.002	2.38	14.05	9.6	1	2.4	93.7	0.44	0.58	11.40
V339118		3.9	620	24.3	111.5	<0.002	0.02	1.77	11.0	1	1.6	353	0.63	<0.05	13.40
V339119		3.1	600	42.4	124.5	<0.002	0.06	14.05	10.8	1	2.3	151.0	0.63	<0.05	13.65
V339120		16.2	500	1405	162.0	0.002	3.23	32.9	8.8	1	5.6	155.0	0.57	0.26	11.95
V339121		2.6	590	11.4	113.5	<0.002	0.05	4.52	10.7	1	1.9	176.0	0.67	<0.05	13.45
V339122		2.6	600	17.9	97.7	<0.002	0.06	3.18	10.4	1	1.6	333	0.68	<0.05	10.85
V339123		2.6	620	37.0	161.0	<0.002	0.19	14.80	11.3	1	1.7	129.5	0.59	<0.05	13.00
V339124		2.6	610	36.9	170.5	<0.002	0.53	23.2	10.8	1	2.5	213	0.60	<0.05	12.65
V339125		2.3	490	1350	176.5	<0.002	1.60	32.5	9.1	1	4.2	92.3	0.56	<0.05	11.90
V339126		2.5	590	107.0	121.5	<0.002	0.25	3.93	10.4	1	1.9	286	0.60	0.05	12.00
V339127		2.7	620	38.2	122.0	<0.002	0.19	1.96	11.1	1	1.7	346	0.62	0.07	12.70
V339128		2.7	690	17.9	98.4	<0.002	0.04	1.61	10.8	1	1.6	368	0.63	<0.05	11.20
V339129		2.8	620	16.1	118.5	<0.002	0.02	1.32	11.5	1	1.5	435	0.61	<0.05	13.65
V339130		2.8	600	15.5	105.0	<0.002	0.04	1.88	10.9	1	1.5	336	0.61	<0.05	12.40
V339131		2.4	580	84.5	124.5	<0.002	0.15	4.25	10.2	1	2.2	267	0.59	<0.05	11.60
V339132		2.2	10	>10000	98.6	<0.002	5.45	98.7	5.3	1	6.4	52.9	0.27	0.34	5.09
V339133		5.5	160	68.7	1.9	<0.002	0.01	0.16	0.3	1	<0.2	53.3	<0.05	<0.05	0.12
V339134		2.6	500	185.0	133.0	<0.002	1.62	9.35	8.5	1	3.3	104.5	0.58	0.19	11.80
V339135		2.4	570	379	118.0	<0.002	0.57	18.80	9.5	1	1.9	197.0	0.60	0.08	11.55
V339136		2.4	560	358	112.0	<0.002	0.49	15.45	9.3	1	1.9	200	0.60	0.05	10.90
V339137		2.3	570	25.9	100.0	0.002	0.10	5.50	9.1	1	1.6	285	0.64	<0.05	11.00
V339138		2.3	580	104.5	114.5	<0.002	0.23	14.85	9.5	1	1.5	203	0.64	<0.05	11.45
V339139		2.7	570	280	120.0	<0.002	0.62	10.95	9.6	1	1.7	206	0.63	0.18	11.60
V339140		1.2	170	2.3	0.9	<0.002	0.01	0.08	0.2	1	<0.2	48.3	<0.05	<0.05	0.10
V339141		2.4	630	17.2	111.5	<0.002	0.05	1.81	10.3	1	1.7	397	0.63	<0.05	11.90
V339142		2.9	680	45.8	120.0	<0.002	0.16	17.20	10.9	1	1.9	77.2	0.65	<0.05	12.70
V339143		2.7	650	19.3	111.0	<0.002	0.02	3.13	10.8	1	1.7	332	0.62	<0.05	11.70
V339144		2.7	630	17.8	112.5	<0.002	0.01	2.89	10.7	1	1.6	327	0.61	<0.05	12.00



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129289

Sample Description	Method Analyte Units LOR	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
V339109		2.18	3.8	48	3.6	11.0	5130	20.1	0.795
V339110		1.81	4.4	69	3.9	13.2	285	30.3	0.014
V339111		1.64	3.1	69	3.3	14.0	69	29.8	0.006
V339112		1.73	5.9	64	2.5	15.1	260	27.1	0.017
V339113		1.29	3.5	67	3.5	14.4	72	30.9	<0.005
V339114		1.93	5.1	54	6.4	9.0	3250	21.9	1.710
V339115		1.96	3.0	54	6.3	12.0	580	25.0	0.848
V339116		1.65	3.4	66	3.1	13.9	57	31.1	0.010
V339117		2.02	7.3	66	1.4	12.6	1460	27.3	0.114
V339118		1.01	2.7	72	1.2	18.6	64	32.7	<0.005
V339119		1.26	2.7	68	3.2	17.9	225	33.2	<0.005
V339120		2.32	5.2	58	4.8	11.9	3100	39.9	0.769
V339121		1.19	2.6	68	1.6	17.3	90	35.2	<0.005
V339122		1.20	2.5	71	1.7	16.3	51	34.0	<0.005
V339123		1.99	3.9	72	2.6	16.5	301	27.9	0.019
V339124		3.38	3.9	71	4.9	14.7	534	30.3	0.094
V339125		2.60	3.6	59	3.5	11.9	2010	29.3	0.350
V339126		1.32	2.8	70	1.9	16.0	163	30.3	0.125
V339127		1.16	3.5	72	1.4	17.5	79	30.2	0.006
V339128		1.08	3.2	78	1.7	17.1	61	31.9	0.005
V339129		1.05	3.6	74	1.1	18.8	49	30.2	<0.005
V339130		0.99	2.6	70	1.1	16.5	89	29.3	<0.005
V339131		1.46	2.9	69	2.5	15.3	459	30.1	0.015
V339132		1.01	3.5	124	3.9	5.3	>10000	15.2	9.99
V339133		0.02	0.5	3	0.1	0.9	69	0.9	<0.005
V339134		1.87	4.0	66	4.8	14.8	1020	30.3	0.056
V339135		1.66	2.8	66	2.2	15.3	717	33.3	0.020
V339136		1.67	2.7	65	2.2	14.5	659	33.1	0.014
V339137		1.31	2.9	67	1.7	15.2	93	37.5	<0.005
V339138		1.61	3.2	68	2.2	15.4	166	37.5	0.031
V339139		1.73	3.8	68	3.5	16.6	565	37.0	0.061
V339140		<0.02	0.6	2	0.1	0.9	17	<0.5	<0.005
V339141		1.28	3.7	75	1.3	17.2	50	32.0	<0.005
V339142		1.33	2.8	75	6.4	15.0	109	32.7	<0.005
V339143		1.17	3.1	76	2.2	16.6	65	32.0	<0.005
V339144		1.14	2.9	74	2.5	16.5	63	31.0	<0.005



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 29-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17129289

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Pb-OG62	Zn-OG62		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
Account: ROCKHA

CERTIFICATE WH17133894

Project: Klaza

P.O. No.: 17-007

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT,
Canada on 1-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

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

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17133894

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V340251		7.61	0.18	6.83	22.3	2470	1.44	0.99	3.02	0.21	40.8	5.9	9	9.18	15.4	2.98
V340252		8.77	0.10	7.39	30.0	2260	1.66	0.31	1.75	0.21	47.3	6.1	9	10.45	5.0	2.74
V340253		8.25	0.19	7.72	38.5	1760	1.79	0.47	2.39	0.19	47.8	6.8	8	13.15	9.8	2.77
V340323		7.83	0.40	6.50	29.6	3770	1.39	0.40	3.60	0.42	44.0	6.8	8	13.25	29.5	3.02
V340324		5.89	0.01	0.08	27.0	40	0.06	0.05	21.1	0.07	1.29	0.7	1	0.16	3.4	0.48
V340256		0.30	43.3	5.80	2510	490	1.06	37.8	1.64	43.4	35.5	15.4	22	10.40	1210	9.36
V340257		11.02	0.20	7.20	11.5	2350	1.38	0.51	1.89	0.36	52.3	5.7	9	8.32	18.2	2.71
V340258		10.67	0.12	7.32	7.6	2230	1.67	0.38	2.08	0.22	51.9	6.2	10	8.32	10.5	2.79
V340259		10.86	0.15	6.58	7.1	4050	1.45	0.61	2.86	0.30	60.1	6.1	8	10.35	9.5	2.81
V340260		5.02	1.70	2.67	8.0	1970	0.41	3.45	2.89	0.46	17.00	1.8	10	3.84	30.1	1.28
V340261		12.45	0.28	7.99	12.6	3150	1.70	1.33	2.72	0.22	47.7	7.7	10	20.8	14.8	3.47
V340262		12.50	0.10	6.90	20.4	2810	1.49	0.18	2.53	0.14	44.8	6.5	8	9.06	15.3	2.58
V340263		13.04	0.08	6.85	18.8	2720	1.62	0.53	2.66	0.23	41.5	6.4	9	11.40	14.5	2.95
V340264		4.94	0.14	6.99	12.5	1390	1.52	0.17	2.03	0.52	44.8	6.1	8	8.01	46.5	2.77
V340265		5.81	0.40	6.69	20.9	5070	1.46	0.40	4.75	1.26	51.6	6.9	7	13.90	66.8	3.18
V340266		11.22	0.28	6.78	10.0	1710	1.69	0.57	2.52	1.72	46.7	6.3	9	9.19	13.7	2.68
V340267		10.59	0.04	7.37	4.6	2030	1.68	0.20	1.99	0.19	63.9	6.2	9	7.45	3.3	2.57
V340268		5.91	<0.01	0.06	<0.2	30	0.05	0.03	21.1	0.05	1.00	0.6	<1	0.12	1.6	0.49
V340269		12.91	0.16	6.72	7.0	2580	1.45	0.31	2.94	0.38	50.6	6.6	8	16.30	22.5	2.74
V340270		11.80	0.04	7.39	4.9	2110	1.59	0.14	2.25	0.15	49.0	6.7	8	9.15	4.1	2.79
V340271		8.55	0.13	7.47	8.9	2270	1.77	0.99	2.50	0.28	51.3	7.1	8	12.50	12.4	3.31
V340272		6.28	0.27	7.92	11.6	3170	1.71	1.82	2.37	0.32	46.9	7.4	7	15.15	38.0	3.88
V340273		11.10	0.05	7.56	10.7	1900	1.52	0.32	2.50	0.21	47.3	13.0	8	9.50	4.4	3.03
V340274		4.02	0.04	7.52	6.0	1590	1.62	0.12	2.68	0.17	44.9	6.3	8	11.20	2.2	2.85
V340275		11.33	0.85	7.36	21.6	2780	1.79	1.47	2.74	2.72	46.7	7.3	7	20.3	47.4	3.34
V340276		3.02	0.49	6.42	15.3	3120	1.38	0.05	4.84	0.23	44.8	6.6	6	17.80	2.8	2.95
V340277		6.05	0.09	7.26	12.5	1400	1.49	0.07	2.77	0.28	47.0	6.6	7	19.75	2.7	2.71
V340278		11.28	0.05	7.32	5.5	2140	1.54	0.05	2.40	0.10	42.2	6.4	11	10.90	2.7	2.73
V340279		6.64	0.05	7.24	8.2	1940	1.50	0.05	2.53	0.08	41.1	6.2	8	13.80	4.1	2.54
V340280		7.78	0.05	6.69	8.7	1210	1.43	0.06	3.07	0.12	49.7	6.1	6	18.65	5.9	2.32
V340281		6.03	0.01	0.08	<0.2	50	0.06	0.03	19.95	0.06	1.32	0.5	1	0.19	1.7	0.44
V340282		0.30	9.87	6.79	1815	1160	1.48	5.86	1.94	41.9	45.7	16.5	21	17.60	113.0	5.27
V340283		7.54	0.16	5.66	15.6	7550	1.08	0.09	3.85	0.40	41.6	6.6	5	11.65	3.9	2.38
V340284		4.21	0.07	7.56	8.4	2220	1.50	0.05	2.09	0.11	47.4	6.7	9	11.45	4.1	2.78
V340285		1.75	0.07	7.31	8.2	2150	1.37	0.05	2.16	0.11	44.5	6.5	10	10.30	4.5	2.75
V340286		9.70	0.06	7.43	8.2	2360	1.59	0.05	2.49	0.10	45.8	7.2	10	8.41	4.1	2.88



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17133894

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
V340251		16.95	0.12	1.3	0.097	2.05	19.9	11.9	0.46	1060	0.53	2.63	7.7	2.2	560	27.7
V340252		16.00	0.10	1.6	0.041	2.73	23.2	19.7	0.31	701	0.78	2.24	8.7	2.3	610	27.8
V340253		17.50	0.11	1.6	0.060	2.45	23.6	24.9	0.58	1060	0.84	2.14	8.4	2.2	610	25.3
V340323		14.30	0.11	1.2	0.043	2.39	22.5	18.4	0.84	1630	0.52	1.44	7.1	2.2	500	43.3
V340324		0.21	0.05	<0.1	0.005	0.03	0.6	0.9	13.10	207	0.22	0.01	0.2	0.9	310	1.4
V340256		13.45	0.09	0.8	1.575	2.68	17.8	14.7	0.67	2270	16.75	0.06	4.6	13.7	460	1670
V340257		15.10	0.09	1.3	0.041	2.75	28.6	19.1	0.36	751	1.14	1.86	7.6	1.9	550	36.0
V340258		15.65	0.10	1.3	0.043	3.02	28.1	11.3	0.49	698	0.69	2.22	7.9	1.9	580	31.6
V340259		14.95	0.11	1.3	0.037	2.70	33.5	16.3	0.50	915	1.17	1.55	7.4	1.8	530	30.7
V340260		6.53	0.05	0.4	0.020	1.25	9.4	5.0	0.21	775	0.77	0.07	2.2	0.9	160	59.7
V340261		19.75	0.10	1.9	0.120	2.97	23.4	40.0	0.81	1910	0.31	1.42	8.4	2.9	590	22.1
V340262		14.55	0.10	2.0	0.033	2.29	23.0	36.3	0.67	966	0.41	1.52	7.9	2.7	560	19.9
V340263		15.40	0.09	1.5	0.057	2.51	20.7	15.5	0.59	1080	0.43	1.88	7.8	2.1	540	21.6
V340264		14.45	0.10	1.5	0.037	2.24	22.8	29.2	0.55	862	0.44	1.00	8.0	2.2	590	49.9
V340265		14.30	0.09	1.5	0.032	2.28	28.0	29.6	0.89	1480	1.22	0.76	7.0	2.3	550	59.4
V340266		14.90	0.10	1.9	0.036	2.44	23.9	19.6	0.61	906	0.32	1.86	7.8	3.0	570	71.5
V340267		14.90	0.10	1.5	0.031	2.72	35.3	11.9	0.71	753	0.25	2.57	7.9	2.0	550	22.3
V340268		0.15	0.06	<0.1	<0.005	0.02	0.5	0.9	13.10	201	0.05	0.01	0.1	1.1	190	1.4
V340269		14.55	0.11	1.4	0.034	2.57	27.1	11.6	0.60	972	0.61	1.86	7.4	2.1	570	27.9
V340270		15.65	0.12	1.5	0.036	2.70	24.9	13.9	0.68	742	0.46	2.35	8.3	1.9	580	26.4
V340271		17.05	0.11	1.5	0.070	2.34	25.9	16.9	0.78	1370	0.35	2.36	9.0	2.1	600	29.4
V340272		18.30	0.11	1.2	0.093	2.27	24.2	18.8	0.87	1880	0.30	1.97	7.7	1.9	590	31.8
V340273		15.70	0.10	1.3	0.040	2.41	24.2	14.0	0.72	1130	0.29	2.23	8.0	2.3	610	27.2
V340274		15.80	0.09	1.2	0.042	2.70	23.1	26.3	0.58	1270	0.25	1.71	7.8	2.0	620	26.0
V340275		15.95	0.09	1.3	0.052	2.83	24.1	18.4	0.81	2420	0.26	1.30	8.1	2.0	570	67.2
V340276		13.80	0.09	1.1	0.032	2.62	23.9	18.5	1.09	1020	3.90	0.39	6.6	1.9	500	26.7
V340277		14.80	0.11	1.5	0.036	3.04	25.0	10.0	0.69	1060	0.53	0.86	7.6	1.9	560	21.3
V340278		15.35	0.05	1.3	0.038	2.80	21.8	9.7	0.66	654	0.59	2.23	7.0	2.6	540	16.7
V340279		15.45	0.06	1.4	0.033	2.75	21.4	19.6	0.58	649	0.48	1.97	7.2	2.1	540	17.2
V340280		14.00	0.06	1.4	0.035	2.39	26.7	36.3	0.83	732	0.76	0.13	7.1	1.8	510	13.6
V340281		0.22	<0.05	<0.1	<0.005	0.03	0.6	1.2	12.45	200	0.07	0.01	0.2	1.0	170	1.2
V340282		14.85	0.07	1.4	0.964	2.89	24.2	22.0	0.73	2010	12.15	0.27	7.1	15.3	510	1380
V340283		11.85	0.05	1.3	0.030	1.45	22.3	71.6	1.09	849	0.51	0.05	5.6	2.0	410	133.0
V340284		16.45	0.06	1.4	0.040	2.70	24.1	22.8	0.67	693	1.25	2.58	7.7	2.2	600	18.4
V340285		15.85	0.05	1.3	0.038	2.62	22.5	20.9	0.70	693	1.28	2.57	7.4	2.1	570	17.3
V340286		16.55	0.06	1.4	0.037	2.62	23.5	21.0	0.74	713	1.61	2.57	7.9	2.4	580	17.5



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133894

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V340251		71.0	<0.002	0.04	10.25	9.2	1	1.6	218	0.62	<0.05	11.65	0.239	1.16	2.8	73
V340252		96.1	<0.002	0.02	7.99	10.3	1	1.8	219	0.72	<0.05	13.25	0.264	1.19	2.5	71
V340253		90.0	<0.002	0.21	12.50	10.1	1	2.0	244	0.73	<0.05	15.15	0.256	1.35	4.2	74
V340323		91.3	<0.002	0.84	25.9	8.9	1	2.0	218	0.59	<0.05	11.75	0.218	1.67	5.5	62
V340324		1.0	<0.002	<0.01	0.17	0.2	<1	<0.2	52.8	<0.05	<0.05	0.13	<0.005	0.03	0.6	2
V340256		135.5	0.002	7.82	107.0	7.4	2	10.7	65.5	0.38	0.75	8.34	0.167	2.22	5.3	56
V340257		102.0	<0.002	0.03	8.78	9.2	1	1.6	233	0.62	<0.05	14.35	0.237	1.12	2.5	65
V340258		109.5	<0.002	0.01	5.44	9.6	1	1.6	281	0.65	<0.05	14.65	0.243	1.12	2.4	66
V340259		114.5	<0.002	0.08	7.12	10.1	1	1.4	244	0.63	<0.05	16.70	0.231	1.13	5.1	63
V340260		55.3	<0.002	0.04	14.10	3.0	1	0.6	84.3	0.19	0.11	3.93	0.074	0.59	4.7	33
V340261		112.0	<0.002	0.05	15.95	9.3	1	2.0	225	0.71	<0.05	13.85	0.251	1.76	5.6	80
V340262		77.5	<0.002	0.05	9.84	8.3	1	1.7	253	0.71	<0.05	12.30	0.230	0.99	3.5	57
V340263		84.3	<0.002	0.05	6.40	8.7	1	1.5	239	0.71	<0.05	12.40	0.231	1.12	3.7	65
V340264		72.1	<0.002	0.04	20.0	9.5	1	1.6	148.5	0.64	<0.05	11.85	0.250	1.07	10.5	63
V340265		82.0	<0.002	0.13	36.1	8.9	1	1.4	254	0.58	<0.05	12.75	0.224	1.17	10.0	70
V340266		80.9	<0.002	0.02	8.17	8.9	1	1.4	265	0.63	<0.05	12.35	0.234	0.97	3.4	60
V340267		95.3	<0.002	0.02	5.52	8.8	1	1.4	276	0.74	<0.05	16.25	0.224	0.94	3.1	58
V340268		0.9	<0.002	0.03	0.06	0.1	<1	<0.2	48.0	<0.05	<0.05	0.13	<0.005	<0.02	1.0	2
V340269		100.0	<0.002	0.04	13.90	9.5	1	2.1	280	0.59	<0.05	13.50	0.234	1.07	3.1	61
V340270		88.4	<0.002	0.01	5.80	9.4	1	1.6	394	0.71	<0.05	14.05	0.245	0.99	2.7	65
V340271		88.3	<0.002	0.02	9.07	10.3	1	1.6	329	0.88	<0.05	14.00	0.251	1.06	4.0	70
V340272		92.4	<0.002	0.05	9.64	9.9	1	1.6	319	0.59	<0.05	10.35	0.245	1.20	2.8	76
V340273		79.5	<0.002	0.01	4.95	9.8	1	1.5	330	0.63	<0.05	12.45	0.255	0.94	2.5	69
V340274		91.8	<0.002	0.02	5.40	10.0	1	1.5	294	0.60	<0.05	10.35	0.257	1.17	2.3	69
V340275		112.0	<0.002	0.14	29.8	9.9	1	1.7	265	0.65	<0.05	12.60	0.247	1.56	11.5	68
V340276		86.0	<0.002	0.44	8.66	8.7	1	1.3	365	0.48	<0.05	11.20	0.213	1.07	10.9	57
V340277		116.0	<0.002	0.25	11.00	9.5	1	1.4	300	0.64	<0.05	11.90	0.237	1.43	15.0	62
V340278		104.0	<0.002	0.02	2.46	9.2	1	1.5	363	0.61	<0.05	11.50	0.239	1.06	2.5	63
V340279		101.5	<0.002	0.03	4.62	8.9	1	1.4	338	0.65	<0.05	11.80	0.240	1.08	3.4	62
V340280		98.3	<0.002	0.06	12.35	9.3	1	1.8	263	0.64	<0.05	12.70	0.222	0.95	5.5	55
V340281		1.2	<0.002	<0.01	0.05	0.2	<1	<0.2	48.0	<0.05	<0.05	0.26	<0.005	<0.02	0.6	2
V340282		162.5	<0.002	3.18	35.7	8.6	1	5.8	155.5	0.60	0.36	10.35	0.213	2.28	4.7	59
V340283		69.6	<0.002	0.20	25.3	7.4	1	1.3	351	0.48	<0.05	10.30	0.172	0.67	3.7	47
V340284		103.5	<0.002	0.01	3.15	9.8	<1	1.7	429	0.63	<0.05	11.20	0.257	1.04	2.4	68
V340285		97.7	<0.002	0.01	3.05	9.7	1	1.7	432	0.63	<0.05	10.10	0.251	0.98	1.9	66
V340286		97.1	<0.002	0.01	1.20	9.6	1	1.7	442	0.73	<0.05	10.60	0.258	0.96	2.8	67



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 5-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133894

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340251		1.1	14.3	107	37.0	<0.005
V340252		1.0	15.4	83	43.2	<0.005
V340253		1.3	16.7	97	46.0	<0.005
V340323		1.5	15.7	111	33.8	0.018
V340324		0.1	0.8	18	<0.5	<0.005
V340256		6.9	8.3	3320	22.7	1.625
V340257		1.3	16.6	93	36.2	<0.005
V340258		1.0	17.0	88	33.4	<0.005
V340259		1.0	19.5	99	49.6	<0.005
V340260		0.5	6.8	35	10.7	<0.005
V340261		2.1	15.9	158	58.4	<0.005
V340262		1.4	15.1	79	63.8	<0.005
V340263		1.3	15.4	112	43.5	<0.005
V340264		1.1	35.4	109	42.3	<0.005
V340265		1.2	19.0	151	44.2	<0.005
V340266		1.0	14.9	127	58.3	<0.005
V340267		0.9	16.3	80	40.3	<0.005
V340268		0.1	0.7	14	<0.5	<0.005
V340269		1.3	16.2	96	41.2	<0.005
V340270		1.0	16.1	83	36.0	<0.005
V340271		1.8	18.1	120	36.9	<0.005
V340272		3.3	15.8	172	31.5	<0.005
V340273		0.8	16.0	113	33.6	<0.005
V340274		0.5	16.0	87	31.9	<0.005
V340275		2.0	15.7	172	35.1	<0.005
V340276		1.5	16.7	74	32.4	<0.005
V340277		0.9	15.9	73	42.5	<0.005
V340278		0.9	15.2	57	36.3	<0.005
V340279		0.8	14.9	52	40.8	<0.005
V340280		1.1	17.3	54	44.8	<0.005
V340281		0.1	0.8	18	0.7	<0.005
V340282		5.1	11.9	3040	43.7	0.755
V340283		2.2	16.6	77	41.3	<0.005
V340284		1.0	16.2	62	37.9	<0.005
V340285		0.9	15.9	72	34.8	<0.005
V340286		0.9	17.2	61	35.3	<0.005



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 5-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133894

	CERTIFICATE COMMENTS
	<p>ANALYTICAL COMMENTS</p> <p>Applies to Method: REE's may not be totally soluble in this method. ME-MS61</p> <p>LABORATORY ADDRESSES</p> <p>Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.</p> <p>Applies to Method: BAG-06 CRU-31 CRU-QC LOG-21 LOG-23 PUL-31 PUL-QC SPL-21 WEI-21</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <p>Applies to Method: Au-AA24 ME-MS61</p>



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

CERTIFICATE WH17133897

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P.O. No.: 17-011

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133897

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Pb-OG62 Pb %	Zn-OG62 Zn %	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	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V340254		15.16			0.09	8.24	6.0	1740	1.73	0.09	3.82	0.13	47.6	16.4	18	16.05
V340255		5.97			0.02	0.05	<0.2	20	0.05	0.03	20.9	0.07	1.12	0.8	1	0.12
V340325		8.36			0.16	8.77	10.7	1170	2.06	3.51	3.29	0.13	49.8	13.0	16	12.80
V340326		6.44			0.26	8.73	14.0	530	1.43	8.94	5.00	0.18	47.9	12.9	14	15.25
V340327		8.01			4.75	6.72	171.5	850	1.48	0.87	2.36	26.7	52.0	9.8	9	14.45
V340328		7.79			0.20	7.41	8.3	1900	1.61	0.13	1.83	1.49	38.7	5.3	8	19.90
V340329		7.50			1.19	7.14	63.8	1060	1.58	1.11	2.48	2.24	59.2	11.1	8	12.25
V340330		11.88			22.7	6.28	6470	550	1.43	6.64	2.64	27.8	118.5	5.1	9	16.50
V340331		8.79			1.72	7.22	251	1700	1.94	1.11	1.83	6.56	45.0	8.1	8	30.8
V340332		8.94			0.30	7.14	33.8	1450	1.90	0.63	2.83	0.68	43.6	7.5	8	22.0
V340333		6.88			1.89	6.24	110.5	750	1.53	1.20	2.17	6.14	43.2	6.1	9	16.80
V340334		3.09	1.005	2.98	71.9	5.29	987	340	1.21	6.75	1.26	307	37.3	5.4	8	10.85
V340335		9.79			4.01	7.53	222	970	1.71	0.75	2.04	13.50	47.6	7.0	9	22.7
V340336		4.37			4.84	7.42	201	720	1.40	0.69	1.21	44.4	46.1	6.2	9	13.00
V340337		9.28			0.82	7.16	21.0	1890	1.50	0.54	2.92	4.96	43.3	8.2	9	12.95
V340338		5.61			0.72	6.99	21.3	2170	1.44	0.49	2.53	3.75	37.9	6.0	9	13.40
V340339		9.60			0.12	7.35	10.8	2260	1.64	0.33	2.61	0.29	42.9	5.6	9	13.65
V340340		7.56			0.58	6.63	26.7	1310	1.33	0.96	4.09	0.84	48.6	6.6	7	19.70
V340341		<0.02			0.68	6.71	25.8	1430	1.33	1.14	4.25	0.96	49.1	6.6	8	19.95
V340342		8.91			1.37	7.67	44.8	1490	1.22	1.38	2.29	2.77	51.5	7.2	9	10.65
V340343		7.93			12.90	6.73	215	300	1.38	7.07	1.68	50.7	41.5	8.7	8	14.75
V340344		4.02			0.19	7.21	21.8	720	1.58	0.18	1.86	0.33	37.9	6.4	8	20.5
V340345		11.05			0.26	7.53	56.0	2040	1.68	0.17	2.40	0.75	45.4	6.3	10	24.2
V340346		9.23			0.84	6.98	230	980	1.59	0.39	2.45	2.13	41.2	7.1	8	18.95
V340347		0.25			38.2	5.48	2440	230	1.27	35.0	1.63	44.8	35.0	17.4	22	10.40
V340348		7.14			0.66	6.84	260	3020	1.94	0.51	2.38	2.89	43.5	6.2	9	18.40
V340349		0.26			9.13	6.41	1760	390	1.67	5.86	1.88	42.3	44.5	17.4	20	17.50
V340350		5.92			0.01	0.06	1.0	20	<0.05	0.04	20.5	0.09	1.16	0.6	<1	0.17
V340501		9.42			0.32	6.65	27.6	1530	1.47	0.52	2.09	0.14	41.1	6.9	8	16.05
V340502		8.81			4.30	6.44	1235	930	1.48	0.69	1.96	4.40	45.1	6.1	8	17.45
V340503		10.78			21.0	5.99	2020	610	1.33	5.69	1.14	71.4	41.7	5.3	8	23.8
V340504		2.72			1.74	6.23	82.0	650	1.55	4.63	3.69	0.46	47.7	18.9	5	21.3
V340505		4.54			8.06	6.76	3890	210	1.45	7.57	1.72	16.85	43.1	14.0	10	8.26
V340506		6.62			0.15	7.15	12.9	2180	1.34	0.29	1.76	0.21	33.8	6.5	10	10.75
V340507		7.29			0.19	7.61	16.7	1970	1.45	0.37	1.38	0.31	49.6	6.4	9	8.91
V340508		5.72			3.66	6.98	35.9	1540	1.62	0.66	1.70	3.93	42.0	6.6	8	11.35



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133897

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
V340254		27.6	4.62	17.45	0.14	1.0	0.056	2.53	23.9	38.4	1.53	891	1.09	1.68	8.5	8.2
V340255		2.9	0.45	0.18	0.10	<0.1	0.008	0.02	0.6	0.7	13.00	194	0.14	0.01	0.2	1.3
V340325		13.0	5.56	18.95	0.13	0.9	0.104	1.46	23.0	40.1	0.78	925	0.62	2.55	10.0	6.2
V340326		12.8	6.82	23.3	0.14	0.9	0.135	0.89	22.4	28.6	1.95	1990	0.33	3.48	9.7	6.5
V340327		30.9	4.15	14.20	0.13	1.0	0.144	2.82	28.9	51.2	0.88	1790	4.03	0.05	7.0	2.6
V340328		9.6	2.99	16.35	0.12	1.3	0.050	2.61	19.0	67.1	0.57	638	5.80	0.41	8.8	2.1
V340329		16.6	3.54	15.75	0.13	1.1	0.145	2.55	32.5	27.6	0.77	1020	3.02	0.15	7.5	2.5
V340330		186.5	4.52	16.40	0.14	0.9	0.508	2.71	72.5	20.6	1.04	2400	11.35	0.03	6.1	2.1
V340331		17.7	3.34	16.95	0.11	1.2	0.263	2.58	23.2	83.3	0.73	1420	3.06	0.04	8.2	2.8
V340332		5.7	3.06	15.10	0.13	1.3	0.096	2.19	22.0	89.6	0.59	734	0.31	0.56	8.4	2.4
V340333		14.6	3.24	14.00	0.11	1.0	0.188	2.57	23.8	19.8	0.70	1660	0.84	0.03	6.4	2.4
V340334		605	6.69	11.00	0.12	0.8	3.21	2.35	20.4	13.8	0.48	1290	33.4	0.02	5.1	2.1
V340335		59.2	3.67	15.75	0.12	1.1	0.200	2.46	25.7	40.2	0.67	871	0.36	0.66	8.0	2.2
V340336		101.0	3.98	15.55	0.12	1.1	0.470	2.71	23.9	93.7	0.52	1240	0.55	0.04	7.8	2.6
V340337		16.0	3.10	15.95	0.12	1.1	0.454	2.45	22.3	25.6	0.63	922	0.62	0.45	8.1	2.5
V340338		15.7	2.98	15.70	0.11	1.1	0.260	2.40	19.1	26.2	0.57	663	0.63	0.55	7.9	2.5
V340339		6.4	2.86	15.75	0.12	1.2	0.090	2.33	22.1	20.1	0.80	651	0.68	1.84	8.3	2.3
V340340		20.6	2.85	14.75	0.12	1.1	0.105	2.34	25.7	25.9	0.70	1170	1.23	0.21	6.8	2.1
V340341		22.5	2.90	15.00	0.12	1.2	0.109	2.38	26.1	26.3	0.72	1200	1.31	0.22	6.9	2.1
V340342		75.7	3.01	16.65	0.12	1.3	0.153	3.02	27.5	28.7	0.79	929	1.59	0.11	7.8	2.3
V340343		353	5.41	15.20	0.11	1.0	1.010	3.27	21.6	7.9	0.64	1740	1.62	0.03	6.1	2.5
V340344		8.4	2.66	16.30	0.11	1.1	0.049	2.42	18.7	115.0	0.64	1280	2.31	0.06	8.3	2.0
V340345		14.3	3.08	16.50	0.12	1.1	0.053	3.00	23.4	52.3	0.73	1020	2.15	0.84	8.4	2.4
V340346		11.1	3.02	15.60	0.13	1.0	0.072	3.04	20.9	50.8	0.74	1220	2.75	0.06	7.7	2.5
V340347		1135	8.88	13.25	0.09	0.8	1.520	2.53	18.0	17.5	0.65	2250	15.20	0.06	4.5	14.2
V340348		21.5	2.95	15.75	0.11	1.0	0.071	2.98	22.1	122.5	0.74	1240	1.93	0.07	7.8	2.3
V340349		104.5	5.13	14.30	0.11	1.2	0.915	2.82	23.0	29.1	0.67	1950	10.80	0.26	6.9	15.1
V340350		1.7	0.44	0.22	0.14	<0.1	0.005	0.02	0.6	1.1	12.55	193	0.12	<0.01	0.1	1.4
V340501		36.4	2.91	14.70	0.14	1.2	0.085	2.81	21.2	58.0	0.73	772	1.42	0.34	7.5	2.3
V340502		67.2	3.05	14.75	0.13	1.1	0.085	2.66	23.7	61.6	0.67	1590	7.17	0.03	7.1	2.3
V340503		201	4.34	13.40	0.11	0.8	1.115	2.31	23.0	42.0	0.45	839	13.65	0.02	6.0	2.2
V340504		39.9	6.03	16.20	0.10	0.8	0.304	1.57	23.3	25.9	0.94	1860	0.45	0.31	5.7	3.3
V340505		166.5	6.14	14.70	0.10	0.9	0.376	2.98	22.4	15.7	0.60	937	4.40	0.04	6.4	2.9
V340506		9.5	2.90	17.35	0.11	1.1	0.050	2.54	16.3	39.7	0.37	789	1.32	0.11	9.2	2.3
V340507		10.4	2.84	15.90	0.12	1.1	0.044	2.38	24.6	40.1	0.43	735	1.40	0.12	8.0	2.7
V340508		55.2	2.89	15.60	0.11	1.1	0.068	2.44	22.0	76.9	0.60	807	1.52	0.05	7.1	2.2



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17133897

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
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	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 0.01	% 0.005	ppm 0.02
V340254		1370	19.7	89.1	<0.002	0.01	9.45	19.0	1	1.4	432	0.54	<0.05	10.45	0.467	1.01
V340255		210	2.6	0.9	<0.002	<0.01	0.06	0.2	1	<0.2	48.2	<0.05	<0.05	0.07	<0.005	<0.02
V340325		1350	17.8	45.1	<0.002	0.02	17.35	18.6	1	1.5	240	0.60	<0.05	11.85	0.488	0.65
V340326		1290	19.8	25.0	<0.002	0.05	15.95	17.8	1	1.7	400	0.59	<0.05	10.95	0.465	0.54
V340327		510	1635	158.5	<0.002	2.06	20.4	9.0	1	3.1	83.4	0.54	0.17	11.95	0.217	2.22
V340328		630	73.2	92.8	<0.002	0.10	14.20	10.2	1	1.8	142.0	0.68	<0.05	11.75	0.272	1.29
V340329		540	163.0	132.5	<0.002	1.69	12.15	10.3	1	2.8	86.0	0.56	0.28	12.40	0.242	1.87
V340330		490	4160	163.0	<0.002	2.36	84.9	8.2	1	5.0	133.0	0.46	0.12	11.25	0.199	2.55
V340331		590	398	109.0	<0.002	1.27	18.75	9.8	1	3.0	126.0	0.63	0.25	12.65	0.255	2.54
V340332		600	56.0	90.2	<0.002	1.19	9.44	10.1	1	1.8	176.0	0.66	0.27	11.90	0.262	1.67
V340333		470	357	151.5	<0.002	2.01	9.53	8.4	1	1.9	66.9	0.50	0.38	11.85	0.199	2.24
V340334		400	>10000	146.5	<0.002	8.04	145.0	6.9	2	6.7	30.6	0.40	0.50	10.10	0.172	2.18
V340335		590	1390	124.0	<0.002	1.83	15.25	10.3	1	2.7	155.5	0.61	0.41	13.75	0.255	1.83
V340336		600	1745	139.5	<0.002	2.85	22.5	9.9	1	4.1	95.0	0.58	0.21	12.90	0.255	2.22
V340337		600	328	100.0	<0.002	1.21	12.35	9.8	1	2.3	123.5	0.61	0.34	12.20	0.258	1.62
V340338		590	303	89.5	<0.002	1.11	12.10	9.4	1	2.2	134.0	0.60	0.32	11.55	0.254	1.53
V340339		620	26.0	83.2	<0.002	0.45	4.66	10.3	1	2.1	303	0.61	0.22	12.15	0.264	1.08
V340340		530	83.0	100.5	<0.002	1.64	9.74	8.8	1	2.9	136.5	0.55	0.34	11.70	0.218	1.53
V340341		540	96.1	101.5	<0.002	1.70	10.10	9.0	1	3.0	142.5	0.56	0.37	12.05	0.222	1.57
V340342		590	186.5	142.0	<0.002	1.70	11.15	10.6	1	3.6	94.7	0.64	0.28	14.35	0.244	1.84
V340343		510	1490	187.0	<0.002	4.86	38.4	9.0	1	5.1	32.2	0.49	0.45	12.35	0.203	2.69
V340344		590	21.0	91.1	<0.002	0.35	13.45	9.7	1	1.8	117.5	0.63	<0.05	11.80	0.259	1.74
V340345		590	42.3	129.5	<0.002	0.23	9.35	10.4	1	1.8	206	0.64	<0.05	12.90	0.256	1.73
V340346		580	123.0	123.5	<0.002	1.21	14.95	10.3	1	2.4	108.5	0.58	0.11	11.10	0.251	2.38
V340347		440	1625	138.0	0.002	7.71	100.0	7.6	1	9.8	60.8	0.37	0.73	8.61	0.166	2.02
V340348		580	145.0	116.0	<0.002	1.04	18.95	9.2	1	2.2	172.5	0.60	0.22	12.00	0.244	2.42
V340349		500	1360	151.0	<0.002	3.08	34.6	8.1	1	5.5	146.0	0.53	0.29	11.55	0.207	2.24
V340350		180	1.9	1.1	<0.002	<0.01	0.08	0.1	1	<0.2	47.3	<0.05	<0.05	0.10	<0.005	0.02
V340501		550	17.3	107.5	<0.002	0.35	13.65	9.3	1	1.6	142.0	0.63	0.13	10.85	0.240	1.70
V340502		520	277	125.5	<0.002	1.68	38.6	8.9	1	2.1	93.8	0.61	0.11	11.25	0.223	2.41
V340503		430	4490	127.0	<0.002	4.16	76.0	8.1	1	4.6	55.4	0.46	0.22	10.40	0.201	2.13
V340504		410	59.4	73.4	<0.002	3.99	29.1	8.4	1	3.6	272	0.46	1.75	9.26	0.183	1.25
V340505		530	717	164.5	<0.002	4.97	49.8	9.1	1	6.5	51.6	0.51	1.76	11.25	0.215	1.91
V340506		600	30.3	80.6	<0.002	0.25	21.4	10.2	1	2.1	104.5	0.62	0.09	10.30	0.274	1.12
V340507		590	19.4	82.3	<0.002	0.50	18.10	9.9	1	1.9	82.1	0.64	0.13	14.25	0.261	1.01
V340508		560	288	102.0	<0.002	1.22	45.1	9.0	1	1.6	70.2	0.57	0.19	12.75	0.234	1.51



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 30-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133897

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	Au-AA24 Au ppm 0.005
V340254		3.7	166	3.4	18.1	77	27.3	<0.005
V340255		0.5	2	0.1	0.8	17	<0.5	<0.005
V340325		5.0	160	3.4	18.5	139	19.6	<0.005
V340326		4.0	176	3.2	21.6	178	19.7	<0.005
V340327		3.9	58	3.0	12.3	1920	32.6	0.141
V340328		6.0	71	3.8	14.2	161	40.7	<0.005
V340329		5.7	68	3.6	14.2	247	34.6	0.052
V340330		9.2	67	5.8	11.9	2020	30.2	4.78
V340331		5.2	73	3.3	14.0	541	39.0	0.088
V340332		3.8	62	1.8	14.0	107	40.0	0.022
V340333		3.2	62	2.5	12.8	578	33.4	0.067
V340334		10.5	45	3.7	11.0	>10000	25.2	1.100
V340335		3.7	67	2.1	14.0	1760	34.9	0.446
V340336		5.7	64	2.8	12.8	5040	34.5	0.379
V340337		5.1	65	2.1	15.3	598	34.7	0.017
V340338		4.7	64	2.1	13.4	479	35.6	0.030
V340339		4.1	70	1.1	15.5	77	37.2	<0.005
V340340		3.6	59	2.8	16.2	130	35.1	0.055
V340341		3.6	60	2.9	16.1	143	36.6	0.089
V340342		3.6	68	2.9	15.2	317	41.0	0.104
V340343		3.0	60	3.3	10.1	5410	32.6	2.08
V340344		3.5	68	3.1	13.0	66	34.4	<0.005
V340345		4.0	68	2.4	15.8	109	35.1	0.038
V340346		5.1	71	3.3	13.6	238	31.3	0.042
V340347		5.2	54	6.8	8.7	3300	22.8	1.780
V340348		4.3	65	2.1	13.5	242	31.5	0.043
V340349		4.8	56	4.5	11.1	2970	39.1	0.782
V340350		0.7	2	0.1	0.8	19	<0.5	<0.005
V340501		3.6	64	3.0	14.9	55	34.8	<0.005
V340502		4.2	60	2.9	12.7	392	32.0	0.571
V340503		3.7	55	5.1	10.1	5300	25.2	0.781
V340504		13.0	74	4.2	19.1	87	25.9	0.168
V340505		3.9	61	2.7	11.3	1730	27.9	1.030
V340506		2.7	72	3.0	12.8	65	33.8	<0.005
V340507		5.4	68	2.9	15.2	72	34.3	<0.005
V340508		7.4	63	2.0	13.2	393	33.2	0.031



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30-JUL-2017
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CERTIFICATE OF ANALYSIS WH17133897

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
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CERTIFICATE WH17133901

Project: Klaza

P.O. No.: 17-009

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133901

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
V340287		9.97	0.06	7.42	8.9	2450	1.90	0.06	2.39	0.10	47.2	6.9	15	8.83	3.9	2.92
V340288		7.28	0.04	7.24	5.7	2230	1.91	0.05	2.45	0.09	49.1	6.6	15	8.77	3.0	2.83
V340289		4.36	0.05	7.28	6.2	2280	1.95	0.05	2.46	0.19	46.2	7.0	20	8.24	3.6	2.85
V340290		3.59	0.07	6.37	12.8	1810	1.89	0.05	3.31	0.10	41.3	6.5	12	14.30	3.1	2.75
V340291		10.30	0.04	6.91	10.6	2090	1.91	0.05	2.47	0.06	42.1	7.0	14	10.25	3.0	2.86
V340292		3.70	0.04	6.84	5.7	1950	1.99	0.06	2.67	0.07	44.8	6.5	12	10.15	3.2	2.68
V340293		4.16	0.21	6.62	11.8	2610	1.70	0.09	3.53	0.15	47.2	6.4	12	16.00	7.2	2.93
V340294		4.41	0.16	6.54	6.4	1700	1.86	0.09	2.79	0.13	46.2	6.3	13	14.10	6.8	2.49
V340295		8.08	0.04	6.80	4.9	2200	1.81	0.06	2.99	0.10	42.0	7.2	13	12.20	2.8	2.89
V340296		8.84	0.01	6.56	5.4	1480	1.69	0.05	2.84	0.12	44.2	5.9	13	16.60	1.7	2.43
V340297		6.39	0.04	6.52	6.7	1240	1.61	0.05	2.29	0.10	48.9	5.2	12	15.75	2.6	2.16
V340298		7.35	0.22	6.42	22.7	1560	1.61	0.05	2.91	0.23	42.6	6.1	11	14.35	3.2	2.42
V340299		8.84	0.13	6.88	9.9	1910	2.07	0.08	2.96	0.16	43.9	6.7	9	32.0	3.8	2.74
V340300		7.06	0.04	5.77	4.7	1480	1.46	0.07	1.96	0.05	39.4	1.8	7	13.45	1.6	1.04
V340301		0.30	9.44	6.59	1865	250	1.64	5.88	1.99	42.7	40.0	18.3	21	17.35	111.5	5.36
V340302		12.62	0.06	6.44	8.8	2270	1.64	0.09	2.68	0.14	42.4	6.0	7	25.0	3.5	2.54
V340303		12.84	0.09	6.95	8.2	3380	1.64	0.07	3.29	0.18	48.9	6.7	9	24.9	6.9	2.75
V340304		6.40	<0.01	0.09	0.3	50	0.07	0.03	21.1	0.06	1.31	0.7	<1	0.33	1.5	0.47
V340305		13.45	0.03	6.50	5.3	2200	1.20	0.06	2.91	0.13	40.6	6.4	8	15.50	3.0	2.64
V340306		12.99	0.02	6.43	4.9	2510	1.27	0.04	3.07	0.11	41.3	6.3	8	12.70	2.3	2.75
V340307		9.88	0.04	6.91	7.0	4240	1.37	0.07	2.92	0.12	45.2	6.6	9	13.10	2.8	2.77
V340308		8.99	0.13	6.72	10.3	2560	1.69	0.17	3.07	0.20	44.1	7.3	8	21.2	3.3	2.69
V340309		8.60	0.05	6.66	20.7	920	1.64	0.15	2.93	0.06	36.5	4.8	11	29.9	5.2	1.86
V340310		0.29	39.3	5.76	2500	850	1.06	35.8	1.68	43.2	35.8	17.3	22	10.25	1175	9.12
V340311		14.78	0.03	6.07	6.6	1540	1.63	0.04	3.28	0.16	37.1	6.5	6	31.2	2.6	2.48
V340312		11.95	0.04	6.22	6.2	1690	1.29	0.03	2.67	0.13	35.3	7.1	7	14.95	3.2	2.57
V340313		<0.02	0.04	6.65	6.2	1900	1.32	0.03	2.79	0.14	40.2	7.5	9	16.05	3.8	2.71
V340314		7.28	0.12	4.30	11.8	1600	1.15	0.16	10.15	0.36	39.4	15.5	7	21.6	9.8	3.93
V340315		6.08	0.01	0.06	<0.2	30	0.07	0.02	20.9	0.05	1.46	1.2	<1	0.27	2.6	0.46
V340316		10.22	0.09	7.71	17.3	2340	1.70	0.32	3.77	0.23	46.0	18.2	14	13.65	37.5	4.48
V340317		9.31	0.07	7.49	13.2	1440	1.66	0.15	4.24	0.11	51.5	15.1	18	12.40	24.0	3.98
V340318		11.24	0.10	7.34	8.2	2120	1.56	0.11	3.47	0.11	40.9	17.3	15	10.85	28.1	4.53
V340319		9.23	0.10	7.90	5.9	2000	1.41	0.10	4.42	0.13	48.8	18.5	15	14.65	22.4	4.71
V340320		10.82	0.11	7.68	5.5	2100	1.50	0.09	3.95	0.12	44.9	18.6	16	10.80	25.9	4.68
V340321		10.08	0.12	7.82	5.6	2740	1.58	0.10	4.42	0.13	46.6	19.9	17	10.25	33.7	4.93
V340322		6.15	0.08	7.08	8.5	1030	1.47	0.08	4.19	0.16	39.2	17.8	14	15.15	23.2	4.70



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133901

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
V340287		16.10	0.13	1.3	0.035	2.69	24.7	30.9	0.81	723	2.16	2.64	8.5	2.6	590	17.4
V340288		15.90	0.13	1.4	0.035	2.65	25.3	26.4	0.69	690	1.84	2.50	8.5	2.7	550	17.0
V340289		16.20	0.14	1.3	0.034	2.69	23.4	26.7	0.70	679	2.30	2.53	8.9	2.8	570	17.3
V340290		14.65	0.13	1.4	0.030	2.68	20.6	25.0	0.81	1300	2.49	1.55	8.4	2.5	510	16.2
V340291		15.65	0.14	1.5	0.037	2.58	21.4	19.6	0.67	695	2.23	2.32	9.1	2.5	560	15.5
V340292		15.15	0.16	1.6	0.033	2.55	23.3	15.1	0.68	748	3.12	2.06	8.7	2.5	530	14.0
V340293		14.60	0.14	1.5	0.031	2.84	25.3	32.8	0.76	3100	1.98	0.76	7.8	2.4	500	14.9
V340294		14.85	0.13	1.6	0.029	2.70	24.0	8.3	0.72	759	1.60	1.23	8.5	2.4	490	13.6
V340295		15.95	0.14	1.3	0.034	2.60	21.5	11.1	0.69	691	1.93	2.03	8.1	2.7	580	16.2
V340296		14.45	0.15	1.3	0.028	2.50	23.5	10.7	0.75	598	0.51	1.45	6.4	2.2	460	11.0
V340297		14.45	0.14	1.4	0.026	2.44	26.3	27.5	0.52	546	2.45	1.69	7.1	2.1	430	15.4
V340298		14.10	0.13	1.4	0.025	2.71	22.7	15.9	0.79	834	1.19	1.07	7.1	2.3	420	38.4
V340299		15.85	0.14	1.6	0.035	2.89	22.1	18.4	0.81	812	1.79	1.05	8.8	2.6	560	19.9
V340300		11.25	0.12	2.3	0.005	2.32	21.3	27.2	0.30	310	0.99	1.27	6.5	0.9	40	13.5
V340301		14.95	0.11	1.3	0.935	2.94	20.2	28.2	0.70	2070	11.65	0.28	7.2	15.8	520	1430
V340302		14.20	0.13	1.3	0.030	2.41	22.0	37.2	0.71	687	0.82	1.20	7.5	2.2	470	16.5
V340303		14.25	0.15	1.3	0.034	2.37	26.7	12.8	0.76	723	0.59	1.59	7.5	2.5	560	42.3
V340304		0.31	0.17	<0.1	<0.005	0.03	0.7	1.2	13.15	203	0.10	0.01	0.2	1.6	180	1.2
V340305		14.20	0.17	1.2	0.032	2.48	21.3	7.4	0.71	633	0.21	1.51	7.3	2.3	510	15.6
V340306		13.40	0.15	1.2	0.030	2.16	21.6	7.1	0.77	682	0.28	1.94	7.3	2.4	540	14.0
V340307		13.60	0.14	1.4	0.030	2.11	24.0	5.9	0.75	731	0.32	2.41	7.8	2.5	540	13.8
V340308		15.30	0.15	1.4	0.034	2.30	23.0	11.1	0.68	744	0.31	1.88	7.4	2.8	530	31.8
V340309		16.75	0.13	2.7	0.020	2.23	19.5	112.5	0.69	400	0.34	0.68	7.6	4.5	540	18.0
V340310		14.00	0.11	0.8	1.535	2.60	19.3	14.9	0.69	2310	15.30	0.06	4.6	14.2	450	1670
V340311		14.70	0.08	1.3	0.033	2.43	18.7	17.6	0.76	689	0.35	0.99	7.8	2.5	510	16.9
V340312		14.55	0.09	1.3	0.036	2.23	17.5	32.5	0.71	722	0.91	1.17	8.1	2.4	530	14.3
V340313		15.25	0.09	1.3	0.035	2.31	20.3	35.2	0.76	755	0.87	1.17	8.4	2.5	550	14.5
V340314		11.30	0.07	0.7	0.030	1.44	22.1	26.6	2.72	2280	0.35	0.34	4.9	5.4	610	32.6
V340315		0.26	0.06	<0.1	<0.005	0.02	0.7	1.1	12.70	199	0.27	0.01	0.2	1.2	250	2.7
V340316		16.90	0.10	0.9	0.057	2.24	22.7	27.0	1.92	1060	1.27	1.99	8.2	7.9	1250	20.2
V340317		17.55	0.10	1.9	0.048	2.16	25.6	42.4	1.57	831	2.08	1.96	9.4	10.2	1130	18.6
V340318		17.35	0.11	0.9	0.054	2.59	19.1	25.6	1.63	886	2.54	2.26	8.2	7.7	1250	17.0
V340319		17.35	0.10	0.8	0.061	2.42	24.3	27.0	1.70	972	1.87	2.03	8.2	7.7	1260	16.8
V340320		17.30	0.11	0.8	0.055	2.54	21.5	22.6	1.65	925	1.72	2.11	8.3	7.7	1250	16.9
V340321		17.75	0.13	0.9	0.054	2.35	22.3	22.5	1.76	1000	2.36	2.08	8.6	8.3	1310	18.4
V340322		17.55	0.09	0.9	0.056	1.54	19.3	68.6	1.39	928	0.94	0.25	7.5	7.2	1230	20.1



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133901

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V340287		102.5	<0.002	0.01	0.80	9.5	1	1.5	464	0.65	<0.05	12.90	0.257	0.95	2.4	66
V340288		97.6	<0.002	0.01	0.88	9.2	1	1.5	403	0.83	<0.05	12.90	0.247	0.94	2.6	63
V340289		98.8	<0.002	0.01	0.82	9.4	1	1.5	406	0.88	<0.05	12.15	0.251	0.95	3.0	65
V340290		94.4	<0.002	0.10	5.34	8.0	1	1.4	348	0.88	<0.05	11.50	0.227	1.12	14.6	58
V340291		96.2	<0.002	0.01	1.95	9.9	1	1.5	376	0.95	<0.05	11.80	0.252	0.97	3.7	71
V340292		104.5	<0.002	0.04	2.70	9.2	1	1.5	343	0.87	<0.05	12.30	0.234	1.03	5.7	62
V340293		120.5	<0.002	0.16	16.95	8.5	1	1.4	286	0.71	<0.05	13.90	0.220	1.36	9.1	58
V340294		104.0	<0.002	0.04	8.83	8.2	1	1.4	262	0.80	<0.05	13.15	0.221	1.12	10.8	56
V340295		96.1	<0.002	0.03	3.61	9.3	1	1.5	351	0.62	<0.05	10.10	0.249	1.00	3.0	67
V340296		96.0	<0.002	0.02	10.35	7.6	1	1.2	301	0.56	<0.05	14.45	0.202	1.04	4.4	54
V340297		95.0	<0.002	0.03	6.69	7.2	1	1.3	308	0.70	<0.05	18.00	0.190	1.04	4.5	49
V340298		102.0	<0.002	0.10	14.80	6.9	1	1.2	248	0.66	<0.05	15.05	0.191	1.12	8.4	48
V340299		110.5	<0.002	0.08	13.30	9.3	1	1.5	332	0.69	<0.05	13.70	0.245	1.33	9.9	63
V340300		88.3	<0.002	0.04	12.05	1.5	1	0.9	251	1.30	<0.05	28.8	0.037	0.83	6.6	6
V340301		144.5	<0.002	3.25	34.8	8.4	1	5.6	153.0	0.57	0.32	10.40	0.220	2.37	4.9	60
V340302		95.1	<0.002	0.06	10.85	7.9	1	1.3	379	0.66	<0.05	13.95	0.207	1.04	4.7	54
V340303		98.3	<0.002	0.10	4.99	9.6	<1	1.4	409	0.59	<0.05	13.30	0.241	0.85	4.9	63
V340304		1.7	<0.002	<0.01	0.06	0.2	1	<0.2	52.0	<0.05	<0.05	0.13	<0.005	0.02	0.7	2
V340305		91.5	<0.002	0.06	2.56	8.7	<1	1.3	261	0.56	<0.05	11.20	0.229	0.84	3.2	57
V340306		74.0	<0.002	0.06	2.25	8.9	1	1.3	258	0.57	<0.05	11.35	0.238	0.74	2.3	57
V340307		81.2	<0.002	0.11	2.82	9.2	1	1.3	355	0.64	<0.05	11.90	0.238	0.76	2.7	55
V340308		99.9	<0.002	0.08	4.60	8.8	1	1.3	345	0.62	<0.05	11.80	0.229	0.95	4.5	58
V340309		70.6	<0.002	0.03	10.55	4.5	<1	1.0	724	0.63	<0.05	9.20	0.204	0.87	3.7	39
V340310		151.5	0.002	7.92	101.0	7.9	2	9.9	63.2	0.38	0.72	8.71	0.170	2.03	5.2	56
V340311		87.5	<0.002	0.04	6.69	8.5	1	1.4	346	0.64	<0.05	10.85	0.220	1.15	3.7	60
V340312		69.1	<0.002	0.05	5.99	8.9	1	1.4	261	0.65	<0.05	10.20	0.228	1.04	4.0	59
V340313		76.7	<0.002	0.06	6.37	9.6	1	1.5	273	0.68	<0.05	11.10	0.238	1.08	4.2	62
V340314		77.8	<0.002	0.07	11.80	10.0	1	1.1	445	0.37	<0.05	8.26	0.215	0.89	2.6	92
V340315		1.4	<0.002	<0.01	0.14	0.3	<1	<0.2	49.7	<0.05	<0.05	0.15	<0.005	<0.02	0.8	2
V340316		79.5	<0.002	0.09	8.75	17.5	2	1.5	359	0.57	<0.05	12.70	0.417	1.17	4.0	148
V340317		76.5	<0.002	0.06	6.34	15.1	1	1.5	474	0.62	<0.05	11.70	0.375	1.00	4.2	128
V340318		71.0	<0.002	0.01	3.28	18.0	1	1.6	750	0.55	<0.05	10.10	0.422	1.20	3.7	161
V340319		86.7	0.002	0.01	4.09	19.1	1	1.6	744	0.55	<0.05	11.05	0.441	1.09	3.8	166
V340320		82.6	<0.002	0.01	4.78	18.5	1	1.4	680	0.56	<0.05	10.40	0.440	1.10	4.0	163
V340321		74.7	<0.002	0.03	6.34	19.9	1	1.6	588	0.58	<0.05	10.90	0.450	1.03	4.4	166
V340322		38.5	0.002	0.02	17.30	17.0	1	1.3	290	0.53	<0.05	8.39	0.406	0.83	3.3	162



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 30-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133901

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340287		1.0	16.9	58	34.2	<0.005
V340288		1.3	16.9	56	34.1	<0.005
V340289		1.4	17.2	56	34.6	<0.005
V340290		1.3	15.6	54	37.2	<0.005
V340291		2.3	17.1	56	37.3	<0.005
V340292		1.1	17.2	51	46.0	<0.005
V340293		1.5	17.0	86	44.8	0.005
V340294		1.6	14.9	49	40.4	<0.005
V340295		1.6	14.5	53	34.5	<0.005
V340296		1.4	12.5	48	36.0	<0.005
V340297		1.1	12.7	44	40.9	<0.005
V340298		1.2	13.3	56	39.0	0.005
V340299		1.5	14.3	60	47.2	0.007
V340300		0.6	11.9	23	54.4	<0.005
V340301		4.8	11.1	3160	40.4	0.729
V340302		0.9	14.0	62	39.2	<0.005
V340303		0.8	12.6	65	40.3	<0.005
V340304		0.1	0.8	17	0.5	<0.005
V340305		0.7	10.7	52	38.1	<0.005
V340306		0.7	11.1	52	35.3	<0.005
V340307		0.8	11.7	58	41.6	<0.005
V340308		0.9	11.8	71	42.3	<0.005
V340309		0.8	9.5	46	106.0	<0.005
V340310		6.7	9.5	3340	24.7	1.665
V340311		0.8	12.7	58	36.2	<0.005
V340312		1.1	12.5	61	34.2	<0.005
V340313		1.1	13.6	63	35.9	<0.005
V340314		1.7	20.3	87	20.6	<0.005
V340315		0.1	0.9	15	0.5	<0.005
V340316		2.2	17.6	80	23.8	<0.005
V340317		1.4	18.1	69	68.6	<0.005
V340318		3.3	17.1	71	22.5	<0.005
V340319		4.2	18.9	75	19.5	<0.005
V340320		4.2	18.5	72	20.1	<0.005
V340321		3.2	19.2	76	21.0	<0.005
V340322		3.3	16.5	80	20.0	<0.005



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 30-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133901

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.	
	Au-AA24	ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

CERTIFICATE WH17133903

Project: Klaza

P.O. No.: 17-013

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133903

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V339325		7.38		2.31	7.02	171.0	1360	1.73	0.96	1.85	20.7	36.1	9.8	10	17.50	26.1
V339326		6.72		0.50	7.50	53.3	1760	1.69	0.85	1.54	4.12	48.2	13.0	9	18.50	6.6
V339327		5.73		5.36	6.71	4770	550	1.52	1.33	1.33	21.0	46.6	9.2	8	19.25	36.7
V339328		5.57		0.29	6.66	83.0	1520	1.82	0.31	2.81	0.69	43.8	7.1	9	20.3	9.7
V339329		11.50		3.22	6.42	233	2490	1.65	0.86	2.88	14.60	40.2	9.8	8	18.70	39.7
V339330		6.20		0.02	0.07	1.9	50	0.07	0.02	19.60	0.10	1.47	1.1	1	0.35	2.1
V339331		7.21		5.29	6.18	881	2030	1.49	0.65	2.14	24.7	44.9	7.4	8	23.9	51.3
V339332		5.94		0.02	0.07	1.5	30	0.07	0.02	20.3	0.14	1.33	1.1	<1	0.29	3.5
V339333		11.24		10.85	6.99	5130	750	1.40	0.60	1.55	31.6	49.6	12.8	11	17.15	129.5
V339334		0.29		38.2	5.55	2450	260	1.19	35.0	1.65	45.0	34.1	17.6	21	10.05	1170
V339335		13.45		34.7	7.12	2590	1510	1.45	0.50	1.63	16.75	45.9	7.9	10	17.80	82.0
V339336		4.15		13.45	6.05	777	620	1.25	3.29	1.23	25.6	40.4	9.0	9	9.06	80.1
V339337		4.95		0.89	6.70	65.0	1600	1.42	0.61	1.64	4.95	52.6	10.3	11	12.10	70.1
V339338		12.15		1.25	6.80	92.5	1710	1.29	0.51	1.11	10.55	43.0	7.5	11	10.30	68.2
V339339		12.47		0.57	6.44	49.7	1510	1.25	0.59	1.50	0.68	43.4	7.3	11	9.94	208
V339340		0.30		9.78	6.43	1800	270	1.52	6.75	1.91	42.9	39.5	18.2	21	16.60	116.0
V339341		12.05		1.00	6.80	58.6	2200	1.24	0.66	1.72	0.89	45.8	6.5	9	11.95	520
V339342		5.88		3.36	6.27	79.2	2190	1.43	2.42	1.68	1.50	42.9	8.8	8	18.90	20.2
V339343		8.39		0.20	6.96	20.4	1790	1.46	0.26	1.41	1.04	42.6	7.3	8	23.2	23.5
V339344		4.25		0.14	7.03	12.4	2190	1.49	0.47	2.21	0.23	42.7	7.8	9	17.45	26.2
V339345		10.67		0.13	7.19	6.5	2200	1.66	0.95	2.33	0.20	47.3	6.9	11	18.60	18.6
V339346		5.70		2.30	7.43	1195	1460	1.53	3.38	1.12	0.74	52.2	7.6	9	20.0	60.2
V339347		5.11		0.12	7.56	20.1	1030	1.24	0.21	1.08	0.27	40.2	6.8	7	26.1	15.5
V339348		6.39		0.28	6.96	33.4	1540	1.53	1.37	1.62	0.33	41.0	6.9	8	19.65	13.6
V339349		3.21	1.060	46.4	6.27	3860	470	1.27	2.87	1.23	95.8	39.7	6.1	6	13.45	591
V339350		6.23		0.15	7.52	13.0	2270	1.64	0.16	2.29	0.28	54.5	6.4	9	15.50	8.6
V339351		13.53		1.38	7.17	137.0	1480	1.55	0.70	1.91	2.48	51.0	8.9	10	15.10	40.4
V339352		7.41		0.08	6.96	10.1	2260	1.69	0.19	2.43	0.18	44.7	6.2	10	18.30	12.3
V339353		<0.02		0.10	7.01	12.8	2250	1.67	0.20	2.41	0.18	46.6	6.2	10	18.55	12.5
V339354		7.49		0.26	6.80	27.1	1580	1.55	0.47	2.57	0.23	54.5	8.5	10	21.0	2.8
V339355		3.50		0.48	7.01	21.9	1800	1.54	0.43	1.89	0.91	40.5	7.8	9	16.60	3.3
V339356		3.07		0.34	6.91	15.5	1730	1.60	0.40	1.92	0.61	38.2	6.1	8	15.75	3.3
V339357		7.81		5.61	5.52	199.0	260	1.24	3.41	1.16	7.63	18.15	13.6	9	8.08	54.0
V339358		4.04		2.65	5.73	175.0	770	1.38	0.76	2.08	8.26	49.6	6.2	13	28.0	41.5
V339359		7.77		2.61	5.35	266	590	1.39	0.41	2.70	20.8	39.4	9.1	9	20.7	42.8
V339360		6.89		0.14	5.42	50.0	800	1.66	0.12	3.24	0.21	45.8	5.1	20	25.0	14.0



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17133903

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
V339325		3.43	18.50	0.08	2.0	0.159	2.67	17.6	97.6	0.28	911	3.29	0.03	9.7	4.0	630
V339326		3.73	16.95	0.09	1.1	0.086	2.49	24.3	80.1	0.40	1220	1.90	0.03	8.4	3.5	590
V339327		4.55	15.90	0.09	1.1	0.290	2.72	24.8	28.6	0.52	1100	8.55	0.02	7.2	2.7	470
V339328		3.00	18.20	0.09	1.2	0.085	2.83	21.1	92.5	0.73	1040	0.81	0.06	9.2	2.7	580
V339329		3.59	15.35	0.08	1.1	0.261	2.81	20.0	19.1	0.80	1470	1.75	0.04	7.7	2.8	540
V339330		0.44	0.30	0.11	<0.1	0.008	0.03	0.7	1.4	11.90	190	0.07	<0.01	0.2	1.1	170
V339331		2.91	14.25	0.10	1.1	0.208	2.31	24.4	44.2	0.77	1350	10.55	0.03	7.1	2.5	480
V339332		0.46	0.24	0.12	<0.1	0.007	0.03	0.7	1.1	12.45	199	0.18	<0.01	0.1	1.3	170
V339333		4.54	16.60	0.09	1.1	0.163	3.05	27.4	24.4	0.66	973	6.39	0.03	7.4	2.7	510
V339334		8.93	14.10	0.11	0.9	1.525	2.56	17.0	15.7	0.67	2270	17.65	0.06	5.2	15.0	450
V339335		3.48	16.40	0.10	1.1	0.072	3.39	23.9	54.5	0.56	880	2.46	0.09	8.1	2.8	540
V339336		4.50	13.65	0.09	0.8	0.169	2.89	21.3	11.6	0.53	1860	6.62	0.03	6.3	2.1	450
V339337		2.79	14.40	0.10	1.1	0.069	3.06	29.7	30.7	0.66	909	1.07	0.04	7.0	2.5	510
V339338		3.17	14.55	0.08	1.0	0.138	2.84	23.5	57.6	0.49	1010	2.57	0.03	6.6	2.4	510
V339339		2.73	13.95	0.08	1.0	0.062	2.12	23.6	72.4	0.57	584	1.01	0.27	7.2	2.4	510
V339340		5.18	15.55	0.10	1.3	0.941	2.88	19.5	24.9	0.69	2030	12.90	0.26	8.3	16.5	500
V339341		2.85	15.15	0.08	1.1	0.085	2.74	24.5	48.5	0.56	590	1.94	0.79	7.9	2.5	530
V339342		2.97	14.80	0.08	1.2	0.068	2.39	22.8	88.3	0.56	1100	3.82	0.04	7.4	2.7	470
V339343		2.67	17.00	0.08	1.4	0.057	2.55	21.3	162.0	0.49	700	1.14	0.10	9.1	2.5	580
V339344		2.88	16.65	0.08	1.4	0.054	2.80	21.4	29.5	0.60	535	0.96	1.75	8.9	2.5	570
V339345		2.79	16.50	0.09	1.5	0.048	2.81	24.5	18.9	0.67	535	1.24	2.10	8.8	2.4	550
V339346		3.27	16.65	0.09	1.3	0.076	1.92	27.6	282	0.50	930	1.92	0.10	8.5	2.4	600
V339347		2.82	17.30	0.08	1.2	0.048	1.24	19.9	253	0.44	804	1.30	0.02	8.8	2.2	600
V339348		2.69	15.95	0.06	1.2	0.053	1.97	20.8	240	0.57	1150	1.36	0.03	8.3	2.2	550
V339349		4.72	13.20	0.08	1.0	1.335	3.13	20.0	21.3	0.48	1920	4.32	0.05	6.0	2.6	470
V339350		3.01	15.85	0.11	1.3	0.050	2.91	29.1	19.4	0.74	605	1.10	1.91	8.1	2.5	590
V339351		3.38	15.80	0.10	1.3	0.076	3.39	26.5	27.1	0.62	1460	1.87	0.10	7.6	2.6	570
V339352		2.68	15.70	0.09	1.4	0.044	2.78	22.4	18.2	0.58	516	1.77	1.95	8.7	2.4	560
V339353		2.69	15.65	0.10	1.4	0.045	2.78	23.9	18.0	0.59	514	1.70	1.91	8.9	2.4	560
V339354		2.74	14.95	0.10	1.3	0.036	2.84	29.3	56.4	0.69	651	1.53	0.48	7.5	2.3	550
V339355		2.43	15.40	0.09	1.2	0.034	3.01	20.9	127.5	0.59	1100	6.64	0.07	6.9	2.2	560
V339356		2.29	15.50	0.09	1.2	0.036	3.15	19.4	108.5	0.61	1140	1.73	0.06	6.9	2.0	560
V339357		5.69	12.30	0.07	0.9	0.226	2.69	9.5	13.9	0.52	1380	23.5	0.03	4.5	2.7	400
V339358		2.83	13.45	0.09	2.1	0.142	2.12	27.3	191.0	0.69	2050	22.7	0.03	6.6	4.2	630
V339359		2.38	12.05	0.08	1.0	0.074	2.18	21.7	36.6	0.86	1460	92.1	0.03	5.4	3.7	360
V339360		1.88	14.70	0.09	3.5	0.029	1.38	22.7	540	0.33	664	5.85	0.02	9.4	5.5	880



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17133903

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V339325		401	120.0	<0.002	0.68	31.9	9.4	1	3.0	211	0.75	0.27	10.10	0.272	2.79	4.5
V339326		39.1	129.5	<0.002	1.19	15.85	12.4	1	2.0	101.0	0.69	0.35	14.50	0.247	2.56	3.9
V339327		1015	165.5	<0.002	3.36	41.3	9.5	1	6.1	50.6	0.58	0.31	12.45	0.209	2.68	4.2
V339328		23.5	116.0	<0.002	0.48	15.45	11.3	1	2.8	123.5	0.75	0.13	12.80	0.243	2.52	4.7
V339329		822	119.5	<0.002	0.97	18.30	9.5	1	3.3	126.0	0.64	0.11	11.60	0.226	2.86	6.6
V339330		4.9	2.2	<0.002	<0.01	0.21	0.3	1	<0.2	45.8	<0.05	<0.05	0.15	<0.005	0.02	0.5
V339331		1640	114.0	<0.002	1.01	47.9	8.8	1	3.5	127.5	0.57	0.09	12.15	0.206	2.32	8.6
V339332		7.3	1.6	<0.002	<0.01	0.27	0.2	1	<0.2	47.3	<0.05	<0.05	0.11	<0.005	<0.02	0.6
V339333		2010	169.5	0.002	3.10	75.6	9.9	1	8.2	88.0	0.60	0.15	14.20	0.217	2.85	4.4
V339334		1655	143.0	0.003	7.69	105.5	8.3	2	10.6	61.9	0.42	0.68	9.13	0.167	2.12	5.7
V339335		656	150.5	<0.002	1.52	63.4	10.2	1	4.0	93.0	0.65	0.13	13.30	0.234	2.47	4.6
V339336		2610	195.5	<0.002	3.40	35.8	9.1	1	3.7	35.4	0.51	0.58	11.35	0.186	2.56	3.5
V339337		59.8	176.5	<0.002	1.14	23.1	9.6	1	2.0	56.4	0.58	0.31	13.60	0.204	2.31	4.1
V339338		380	151.5	<0.002	0.98	28.8	9.5	1	2.0	47.5	0.55	0.24	13.30	0.204	2.08	4.5
V339339		22.0	103.5	<0.002	0.82	49.7	9.4	1	1.7	89.7	0.58	0.21	12.45	0.212	1.42	3.8
V339340		1385	142.0	0.002	3.10	37.6	8.9	1	6.0	149.0	0.64	0.32	11.35	0.210	2.47	5.2
V339341		51.5	114.5	<0.002	0.86	41.3	9.9	1	2.0	152.0	0.64	0.26	13.05	0.223	1.50	4.0
V339342		65.2	106.5	<0.002	1.10	44.1	9.1	1	1.7	112.5	0.63	1.50	12.00	0.211	1.95	4.7
V339343		43.2	107.5	<0.002	0.22	43.4	10.6	1	1.8	172.5	0.75	0.07	12.90	0.245	1.60	5.6
V339344		23.4	108.0	<0.002	0.18	7.43	10.3	1	2.5	262	0.74	0.17	12.75	0.249	1.32	4.8
V339345		23.3	115.0	<0.002	0.10	2.97	10.2	1	1.7	317	0.75	0.51	13.30	0.237	1.30	3.6
V339346		88.8	109.5	<0.002	0.77	57.6	11.1	1	3.3	200	0.69	0.06	14.60	0.247	1.57	7.4
V339347		12.0	66.8	<0.002	0.08	47.5	10.9	1	2.0	197.0	0.72	<0.05	13.15	0.259	1.06	2.1
V339348		22.2	86.7	<0.002	0.35	34.3	9.8	1	1.8	167.5	0.65	0.96	12.40	0.237	1.84	5.2
V339349		9870	167.0	<0.002	4.41	211	8.3	1	5.7	59.3	0.51	0.35	12.00	0.199	2.46	4.4
V339350		29.5	130.5	<0.002	0.09	3.90	10.6	1	1.7	293	0.67	0.06	15.75	0.253	1.32	3.9
V339351		155.0	156.0	<0.002	1.38	12.45	10.0	1	4.4	88.8	0.67	0.21	13.70	0.238	2.25	3.8
V339352		23.3	111.5	<0.002	0.20	3.65	10.2	1	1.6	327	0.70	0.08	13.80	0.241	1.20	3.8
V339353		26.0	90.0	<0.002	0.21	3.80	10.2	1	1.6	321	0.71	0.07	14.15	0.241	1.21	3.9
V339354		20.8	127.5	<0.002	0.91	7.25	10.2	1	1.9	137.5	0.66	0.20	14.20	0.236	1.77	5.4
V339355		53.8	146.5	<0.002	1.10	14.45	9.4	1	1.8	119.5	0.62	0.21	13.90	0.221	2.21	4.2
V339356		35.4	147.5	<0.002	0.92	12.05	9.4	1	1.8	108.5	0.60	0.17	12.85	0.219	2.30	4.0
V339357		436	176.5	0.005	5.56	35.5	7.2	1	4.7	22.0	0.40	0.53	11.05	0.152	2.19	4.6
V339358		581	127.0	0.002	1.43	61.6	6.3	1	3.3	239	0.47	0.09	9.63	0.218	1.95	10.9
V339359		248	133.0	0.002	1.46	67.2	6.5	<1	3.2	91.5	0.45	0.13	10.40	0.181	3.40	11.9
V339360		24.1	54.2	<0.002	0.11	71.5	4.6	1	2.0	580	0.54	<0.05	6.57	0.283	1.11	10.0



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133903

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	Au-AA24 Au ppm 0.005
V339325		75	4.7	12.8	1600	69.2	0.146
V339326		67	4.1	16.8	283	34.4	0.016
V339327		59	5.8	11.7	1770	33.0	1.835
V339328		67	2.2	15.5	419	35.0	0.011
V339329		60	3.0	13.8	1090	32.7	0.105
V339330		2	0.1	0.9	19	0.5	<0.005
V339331		58	4.8	12.4	1700	32.7	0.170
V339332		2	0.1	0.8	21	<0.5	<0.005
V339333		60	4.8	13.0	2090	32.7	2.03
V339334		55	8.2	9.4	3330	24.4	1.610
V339335		64	3.6	14.1	1320	33.6	1.725
V339336		57	3.1	11.4	1780	25.1	0.346
V339337		56	1.9	13.3	427	30.2	0.019
V339338		60	2.2	12.2	918	27.6	0.029
V339339		58	1.5	12.7	138	28.8	0.021
V339340		59	5.5	11.8	3090	40.8	0.816
V339341		60	1.8	14.7	109	34.8	0.051
V339342		57	3.1	13.7	183	33.9	0.083
V339343		64	4.7	15.4	115	40.5	0.005
V339344		67	1.5	15.9	57	38.9	<0.005
V339345		64	1.5	17.1	48	42.4	<0.005
V339346		68	5.1	15.6	112	35.8	0.235
V339347		69	4.8	14.0	79	35.2	0.007
V339348		65	5.8	14.2	90	34.8	0.011
V339349		55	4.8	11.5	>10000	28.5	2.36
V339350		68	1.3	18.3	85	40.5	0.005
V339351		66	2.1	14.7	302	38.0	0.047
V339352		65	1.0	16.2	51	41.1	<0.005
V339353		66	1.0	16.9	52	41.6	<0.005
V339354		62	1.5	16.7	49	37.3	<0.005
V339355		60	2.6	12.6	118	35.1	0.025
V339356		59	2.3	12.5	89	34.6	0.009
V339357		48	4.4	6.3	707	26.6	0.497
V339358		52	2.9	12.0	812	86.0	0.176
V339359		51	3.2	11.1	1440	32.9	0.153
V339360		54	5.6	12.4	81	152.0	0.013



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133903

	CERTIFICATE COMMENTS			
	ANALYTICAL COMMENTS			
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61			
	LABORATORY ADDRESSES			
	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
Applies to Method:	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
Applies to Method:	Au-AA24	ME-MS61	ME-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

CERTIFICATE WH17133904

Project: Klaza

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30-JUN-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133904

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR22 Au ppm	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	As-OG62 As %	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
		0.02	0.05	1	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01
V339253		5.10						9.05	6.41	69.8	130	0.89	9.19	2.09	0.70	16.50
V339254		8.52						1.73	6.92	18.8	820	1.58	3.75	2.61	0.23	32.6
V339255		5.89						24.6	7.46	229	1810	1.81	0.28	1.58	25.6	33.2
V339256		4.12		112	1.680			>100	7.62	8730	1720	1.51	2.90	0.19	35.3	47.6
V339257		10.77						1.22	6.94	102.0	2670	1.48	0.29	1.97	16.15	33.3
V339258		9.91						0.88	7.18	57.9	2380	1.32	0.24	1.98	4.99	33.8
V339259		6.90						0.98	7.22	43.4	1670	1.59	0.29	2.39	4.14	41.9
V339260		8.16						1.13	6.77	95.1	2880	1.61	0.33	2.12	8.13	28.2
V339261		6.46						0.01	0.09	0.5	30	0.07	0.03	21.3	0.07	1.41
V339262		4.18						3.83	6.98	112.5	920	1.62	0.85	1.98	15.50	38.4
V339263		4.16			1.040	1.530	0.995	57.0	6.03	>10000	1350	1.21	5.33	1.50	228	37.8
V339264		6.08						0.07	0.08	7.9	70	<0.05	0.03	21.9	0.25	1.29
V339265		8.50						1.55	7.08	279	1670	1.62	0.31	2.27	4.46	42.6
V339266		4.55						8.14	6.71	846	1620	1.70	0.28	1.98	53.3	44.4
V339267		0.29						4.05	5.98	636	780	1.31	3.08	1.93	9.07	40.5
V339268		7.11						1.41	6.87	69.4	1740	1.47	0.36	1.57	5.84	40.1
V339269		9.70						0.71	6.99	166.5	870	1.65	0.14	2.61	0.33	48.0
V339270		<0.02						0.66	6.73	158.0	870	1.55	0.13	2.52	0.19	45.7
V339271		7.44						0.30	6.60	74.6	1080	1.76	0.08	3.00	0.19	51.0
V339272		5.45						1.67	6.91	65.3	2260	1.72	0.40	2.19	7.32	48.3
V339273		7.50						3.61	6.75	59.8	1700	1.68	0.14	2.40	18.10	48.5
V339274		4.20						4.20	6.44	68.0	3100	1.61	0.16	2.54	14.35	35.6
V339275		7.23						0.84	6.62	42.9	5290	1.36	0.08	5.65	3.25	45.5
V339276		8.44						0.44	6.27	43.1	2860	1.27	0.13	5.69	2.71	42.1
V339277		0.29						10.90	6.53	1775	1270	1.50	6.20	1.98	40.8	41.0
V339278		5.92						0.45	7.10	33.1	2020	1.50	0.21	3.45	0.28	49.4
V339279		6.00						6.92	5.15	405	660	1.31	4.19	3.59	4.03	36.2
V339280		5.03						0.66	7.04	126.5	1800	1.64	0.14	3.28	0.64	48.4
V339281		3.05						36.8	5.86	3860	1480	1.81	2.23	2.44	62.1	39.3
V339282		6.23						0.28	7.38	61.6	1070	1.78	0.13	1.70	0.41	66.3
V339283		5.87	14.10	331	4.10	1.920	2.37	>100	5.14	>10000	900	1.40	4.22	3.90	296	36.0
V339284		12.38						0.41	6.67	46.7	1110	1.98	0.25	1.52	0.60	51.5
V339285		7.21						1.77	5.95	131.5	1380	1.96	0.63	4.47	1.99	44.2
V339286		7.40						38.0	6.44	3000	1050	2.32	3.41	2.45	40.6	51.5
V339287		3.79						0.64	6.45	116.5	820	1.93	0.22	4.19	2.43	50.8
V339288		8.17						3.67	7.31	176.0	1930	1.68	0.55	2.93	11.70	48.3



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133904

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
		Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
		0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
V339253		73.2	16	4.79	3.0	8.20	11.65	0.09	2.5	0.366	3.04	5.4	6.1	0.72	2140
V339254		36.6	11	6.82	1.8	3.52	16.45	0.08	0.9	0.100	2.60	15.6	114.5	0.64	1160
V339255		6.8	10	20.3	55.7	3.51	16.35	0.10	1.3	0.352	3.77	15.9	25.2	0.35	1980
V339256		5.1	9	20.4	146.5	4.64	16.45	0.10	1.6	1.025	3.13	26.3	78.6	0.23	845
V339257		6.6	8	21.5	19.3	2.54	14.70	0.09	1.3	0.047	2.40	16.3	193.5	0.50	1240
V339258		7.5	8	25.6	15.2	2.73	15.55	0.09	1.2	0.047	2.69	16.2	121.5	0.60	970
V339259		6.6	8	24.7	17.8	2.72	15.95	0.11	1.3	0.079	2.62	20.7	50.4	0.68	744
V339260		8.4	8	21.9	17.0	2.77	15.70	0.09	1.2	0.069	3.02	12.9	52.3	0.26	1340
V339261		0.8	<1	0.23	2.3	0.47	0.26	0.05	<0.1	0.006	0.03	0.7	1.3	13.65	205
V339262		6.7	10	22.7	33.8	2.66	16.00	0.09	1.4	0.173	2.67	18.7	55.0	0.62	1140
V339263		7.5	9	14.75	385	4.90	12.75	0.10	1.3	0.993	2.34	20.3	29.2	0.62	1090
V339264		0.8	<1	0.21	3.0	0.48	0.22	0.07	<0.1	0.007	0.03	0.6	1.3	13.90	216
V339265		7.0	7	23.5	12.9	3.28	14.85	0.13	1.2	0.059	3.38	22.0	40.7	0.63	1070
V339266		7.2	8	21.1	35.2	3.42	15.80	0.11	1.2	0.131	3.38	22.8	30.6	0.64	1280
V339267		11.9	22	12.55	285	4.66	13.55	0.10	0.9	0.268	2.78	23.7	23.6	0.73	1710
V339268		10.3	8	25.2	16.7	2.81	15.85	0.09	1.3	0.087	3.37	20.2	56.9	0.60	942
V339269		9.3	10	23.5	10.1	2.84	19.10	0.12	3.5	0.036	3.12	24.1	51.7	0.86	947
V339270		8.5	9	22.5	9.7	2.75	17.95	0.11	3.4	0.033	3.01	22.2	49.5	0.82	918
V339271		6.3	10	22.5	6.6	2.58	17.70	0.12	3.3	0.034	2.99	26.8	30.9	0.97	769
V339272		7.4	8	26.7	21.8	2.97	15.50	0.11	1.3	0.111	2.71	26.5	54.5	0.87	965
V339273		7.6	8	24.5	17.0	3.15	15.90	0.12	1.2	0.066	2.97	25.9	45.6	0.58	941
V339274		7.1	7	24.9	19.1	3.04	16.25	0.10	1.2	0.066	2.91	17.7	62.8	0.54	928
V339275		5.9	6	17.30	12.5	3.06	12.95	0.14	1.1	0.036	2.31	25.4	50.7	2.18	1210
V339276		8.3	7	16.75	7.8	3.02	12.35	0.12	1.1	0.054	2.43	23.9	22.9	2.09	1340
V339277		17.4	20	16.75	110.0	5.36	14.25	0.10	1.3	0.863	2.98	22.2	25.4	0.73	2030
V339278		8.6	8	20.7	11.2	2.63	14.05	0.14	1.1	0.083	1.94	27.1	96.2	1.24	1010
V339279		10.4	7	15.80	39.1	2.94	11.00	0.11	0.9	0.144	1.91	19.7	61.4	1.15	1090
V339280		5.9	8	21.1	15.5	2.60	14.60	0.11	1.1	0.063	2.91	27.0	43.9	1.24	1340
V339281		8.2	7	18.75	204	3.33	13.75	0.09	1.4	0.989	2.51	20.5	27.2	0.95	1320
V339282		6.7	17	20.7	13.9	2.63	18.70	0.11	4.8	0.037	1.79	34.6	321	0.70	628
V339283		8.2	8	17.95	1330	6.27	11.10	0.08	1.5	6.54	1.72	19.3	61.8	0.77	1100
V339284		5.2	14	26.2	7.2	2.30	17.85	0.10	3.5	0.034	2.23	27.0	227	0.57	624
V339285		7.4	8	40.1	17.1	2.65	13.25	0.11	1.3	0.085	1.96	24.4	50.3	1.30	1040
V339286		7.6	18	28.3	175.0	2.81	16.50	0.10	2.3	0.637	1.42	27.7	186.5	0.84	761
V339287		4.2	19	20.3	13.4	2.02	15.45	0.11	2.4	0.050	1.26	28.3	244	1.52	853
V339288		7.7	8	23.9	28.9	3.13	15.50	0.10	1.2	0.100	2.84	27.1	114.0	1.11	848



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133904

Sample Description	Method Analyte Units LOR	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm
		0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05
V339253		0.04	4.9	5.9	430	81.8	186.0	0.006	7.36	4.64	8.0	2	4.9	36.9	0.41	2.67
V339254		0.24	7.0	2.6	580	18.3	124.0	0.005	2.26	11.30	9.3	1	2.9	99.4	0.60	1.18
V339255		0.25	7.5	2.4	590	6500	183.5	<0.002	0.74	29.7	9.6	<1	2.2	97.6	0.72	<0.05
V339256		0.03	7.4	1.4	600	>10000	196.0	<0.002	0.55	171.5	9.1	1	6.2	309	0.68	0.18
V339257		0.02	7.4	2.1	570	91.3	101.0	<0.002	0.34	21.5	8.3	1	2.3	183.5	0.70	<0.05
V339258		0.07	7.6	2.1	600	155.5	103.5	<0.002	0.24	21.8	9.3	1	1.6	137.0	0.68	0.08
V339259		0.77	7.7	2.0	590	151.5	115.0	<0.002	0.25	16.20	9.7	1	1.6	196.5	0.68	0.05
V339260		0.23	7.6	2.4	590	166.0	126.5	<0.002	0.16	18.35	8.8	<1	1.5	109.5	0.67	0.05
V339261		0.01	0.2	1.2	190	2.1	1.5	<0.002	<0.01	0.15	0.2	1	<0.2	46.8	<0.05	<0.05
V339262		0.03	7.7	2.3	600	739	124.0	<0.002	0.70	21.3	9.4	1	1.7	88.4	0.67	0.05
V339263		0.02	5.7	2.9	460	>10000	145.5	<0.002	4.61	174.5	7.3	1	4.9	74.7	0.51	0.22
V339264		<0.01	0.2	1.3	230	12.5	1.5	<0.002	0.01	0.42	0.2	1	<0.2	51.1	<0.05	<0.05
V339265		0.41	7.9	2.4	580	265	136.0	<0.002	0.77	12.85	10.4	1	1.8	137.0	0.65	0.16
V339266		0.16	7.7	2.1	530	1465	148.5	<0.002	0.72	21.5	10.4	1	2.2	106.0	0.63	0.32
V339267		0.14	5.7	12.8	460	456	143.5	0.004	2.42	26.0	8.3	1	4.9	96.2	0.44	0.29
V339268		0.09	8.3	2.4	570	209	136.5	<0.002	0.36	21.5	10.0	1	1.6	124.0	0.67	0.06
V339269		0.03	11.1	5.0	750	33.0	125.5	<0.002	0.39	29.5	8.9	1	1.7	361	0.80	<0.05
V339270		0.03	10.7	4.8	730	27.6	116.0	<0.002	0.38	27.6	8.2	1	1.7	348	0.74	<0.05
V339271		0.04	10.0	3.8	700	21.8	124.0	<0.002	0.19	26.5	8.1	1	1.3	242	0.72	<0.05
V339272		0.09	8.2	2.4	570	329	138.0	<0.002	0.29	15.00	10.2	1	2.5	139.0	0.62	0.05
V339273		0.81	8.0	2.1	560	973	125.5	<0.002	0.30	11.80	10.9	1	1.8	196.0	0.65	0.05
V339274		0.50	8.1	2.1	540	1055	108.0	<0.002	0.31	14.05	9.9	1	1.9	192.0	0.64	<0.05
V339275		0.01	7.4	1.8	520	218	92.7	<0.002	0.35	9.42	9.4	1	1.3	196.0	0.57	<0.05
V339276		0.02	7.1	3.2	500	123.5	97.1	<0.002	0.44	7.26	9.2	1	1.6	221	0.54	0.05
V339277		0.27	7.6	15.2	500	1430	158.0	0.002	3.12	34.5	8.8	1	5.7	148.0	0.58	1.00
V339278		0.03	7.7	2.2	570	28.3	86.8	<0.002	0.46	20.1	9.8	1	1.7	136.5	0.61	0.08
V339279		0.03	5.9	2.2	390	400	97.3	0.002	1.16	70.3	7.3	1	2.7	140.0	0.43	1.61
V339280		0.03	7.6	2.3	560	51.1	131.5	<0.002	0.37	23.2	9.9	1	1.5	145.5	0.58	<0.05
V339281		0.04	6.7	3.6	460	5590	139.5	<0.002	2.26	107.5	7.6	1	4.3	152.5	0.50	0.16
V339282		0.03	11.0	5.3	1260	26.5	68.2	<0.002	0.09	25.3	5.7	1	2.1	767	0.71	<0.05
V339283		0.02	6.0	3.7	490	>10000	79.7	0.002	5.34	688	5.4	1	8.2	262	0.46	0.17
V339284		0.03	10.2	4.2	930	56.3	72.2	<0.002	0.07	30.7	4.6	1	1.5	409	0.70	<0.05
V339285		0.03	7.2	3.2	510	171.0	92.7	0.003	0.76	46.9	8.1	1	1.8	243	0.51	0.10
V339286		0.05	8.2	10.4	610	3240	65.7	0.002	1.53	121.5	6.3	1	3.0	323	0.61	0.38
V339287		0.05	8.2	9.4	640	50.2	46.7	<0.002	0.17	10.05	5.7	1	1.7	431	0.61	<0.05
V339288		0.12	8.3	2.5	560	693	125.0	<0.002	0.61	24.1	10.1	1	1.8	170.0	0.63	0.08



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133904

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		Th	Ti	Ti	U	V	W	Y	Zn	Zr	Au
		ppm 0.01	% 0.005	ppm 0.02	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V339253		6.54	0.218	2.02	6.3	60	11.3	9.4	87	91.2	0.281
V339254		11.75	0.220	1.86	4.6	64	3.0	12.4	51	24.7	0.031
V339255		11.65	0.244	2.62	4.3	72	4.6	15.5	2200	35.9	0.070
V339256		14.00	0.233	2.96	8.1	65	5.4	10.8	2050	52.7	7.37
V339257		10.70	0.239	1.96	4.2	68	5.0	12.3	890	35.9	0.035
V339258		10.65	0.251	1.79	3.9	70	4.1	12.6	330	33.7	0.023
V339259		12.25	0.247	1.71	3.8	68	2.7	16.3	312	39.3	0.080
V339260		8.70	0.256	1.89	3.7	75	4.8	11.7	788	35.1	0.041
V339261		0.14	<0.005	0.02	0.7	2	0.1	0.8	18	<0.5	<0.005
V339262		11.25	0.251	2.56	4.0	70	4.6	12.1	949	43.0	0.223
V339263		8.69	0.197	2.33	4.8	57	5.6	10.9	>10000	41.6	4.49
V339264		0.10	<0.005	0.02	0.7	2	0.1	0.9	61	<0.5	<0.005
V339265		12.95	0.249	2.24	3.5	67	4.5	13.9	400	33.3	0.055
V339266		13.80	0.231	2.48	4.4	62	4.2	15.1	3370	32.2	0.149
V339267		10.10	0.183	2.16	4.3	58	5.1	10.0	793	27.5	0.326
V339268		12.90	0.243	2.24	3.8	65	3.4	12.7	416	37.7	0.034
V339269		10.35	0.299	2.90	8.4	70	11.8	15.3	90	140.5	0.025
V339270		9.30	0.285	2.74	7.5	69	11.0	13.8	79	133.0	0.025
V339271		10.30	0.272	2.68	5.5	64	4.8	14.3	86	124.5	0.005
V339272		13.35	0.243	2.39	4.4	64	5.6	15.7	540	39.6	0.075
V339273		15.35	0.243	1.97	4.4	64	3.4	15.9	1140	35.3	0.016
V339274		11.85	0.238	1.92	4.4	63	3.2	13.4	954	34.8	0.024
V339275		12.65	0.218	1.67	4.1	57	4.1	15.3	248	31.0	0.005
V339276		10.85	0.215	1.76	5.2	60	6.5	15.1	186	30.5	0.014
V339277		11.80	0.207	2.42	4.8	57	6.1	10.7	3060	39.6	0.795
V339278		13.55	0.231	1.41	7.7	63	4.3	14.7	75	32.7	0.009
V339279		8.99	0.172	3.27	6.0	45	4.8	11.4	310	24.4	0.069
V339280		13.50	0.233	2.25	8.7	62	5.6	13.5	103	33.4	0.033
V339281		10.20	0.199	2.54	6.3	51	5.5	11.1	4180	50.1	2.21
V339282		10.20	0.340	1.13	5.7	58	3.6	10.8	129	202	0.007
V339283		8.47	0.183	1.63	21.3	44	3.2	9.9	>10000	58.1	>10.0
V339284		9.42	0.283	1.08	4.5	46	4.0	8.1	141	134.0	0.015
V339285		10.55	0.206	1.41	7.4	55	4.4	13.2	192	47.7	0.047
V339286		10.20	0.237	1.46	9.5	47	4.8	11.2	2910	83.3	1.225
V339287		9.90	0.236	0.98	5.7	44	6.8	11.8	253	84.4	0.051
V339288		14.00	0.241	1.91	4.7	63	2.4	14.2	860	34.8	0.102



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 31-JUL-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17133904

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
ME-MS61	ME-OG62	Pb-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

CERTIFICATE WH17133907

Project: Klaza

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133907

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR22 Au ppm	Ag-OG62 Ag ppm	Pb-OG62 Pb %	As-OG62 As %	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
		0.02	0.05	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1
V339217		11.31		174			>100	6.94	9650	520	1.59	0.28	1.59	91.0	47.1	6.2
V339218		3.35					0.86	6.96	33.5	770	1.90	0.21	2.67	0.29	52.5	6.6
V339219		4.91	12.65	419	3.63	2.81	>100	5.78	>10000	500	1.44	1.63	1.63	132.5	37.0	5.2
V339220		6.27					0.49	0.09	24.2	30	0.06	0.03	20.7	0.21	1.23	0.6
V339221		6.88					1.90	7.40	168.5	1540	1.43	0.12	2.10	0.77	47.8	6.8
V339222		2.41					4.12	6.84	82.4	1590	1.94	0.81	2.65	10.55	51.3	8.0
V339223		4.75					8.26	6.81	217	1610	1.72	0.17	2.25	40.2	56.4	5.4
V339224		7.93					0.23	7.23	13.7	2330	1.55	0.12	2.62	0.54	46.1	5.8
V339225		5.33					4.78	6.89	304	2060	1.63	1.40	2.55	14.85	49.3	8.7
V339226		2.53					0.12	7.33	17.8	1670	1.87	0.16	2.28	0.48	67.5	6.5
V339227		1.33					0.22	7.65	20.9	8010	1.87	0.17	2.50	0.65	72.3	6.9
V339228		6.25					0.99	7.16	79.8	1350	1.60	0.14	3.35	1.83	53.4	7.4
V339229		10.57					0.17	6.83	26.8	1420	1.66	0.10	3.08	0.24	51.5	6.3
V339230		7.95					0.11	6.65	17.8	1640	1.48	0.10	1.98	0.13	41.8	6.1
V339231		0.30					4.21	6.44	704	370	1.42	3.22	2.05	10.10	48.1	12.1
V339232		4.18					0.11	7.07	25.6	2240	1.39	0.15	2.05	0.11	46.0	6.6
V339233		7.88					0.29	6.96	46.6	1660	1.26	0.11	1.73	0.86	43.9	5.8
V339234		7.90					0.28	7.04	30.8	1790	1.55	0.13	2.61	0.26	49.5	6.4
V339235		8.63					0.21	6.68	19.3	1330	1.44	0.11	2.25	0.22	36.5	5.4
V339236		6.61					32.3	6.13	1880	1010	1.46	1.64	2.18	99.6	47.2	19.6
V339237		5.94					0.03	0.08	1.0	40	0.05	0.03	20.6	0.12	1.13	0.7
V339238		4.74					1.72	8.08	23.5	1430	1.31	0.97	4.16	7.18	51.5	11.3
V339239		4.57					0.19	7.66	9.1	1520	1.37	0.23	3.43	0.12	56.3	7.1
V339240		<0.02					0.14	7.08	8.7	1490	1.50	0.22	3.36	0.13	51.6	6.6
V339241		8.57					1.40	6.28	32.0	1740	1.52	0.30	3.24	11.95	103.0	5.7
V339242		0.30					10.90	6.22	1485	390	1.37	11.65	1.80	31.3	42.6	17.9
V339243		7.35					0.09	7.29	9.6	2170	1.68	0.13	2.56	0.13	48.2	6.9
V339244		6.85					0.10	7.53	9.5	2250	1.84	0.13	2.49	0.16	51.1	7.0
V339245		12.14					0.06	7.33	8.2	2050	1.82	0.12	2.51	0.11	51.0	5.9
V339246		9.02					1.02	6.92	315	1540	1.65	0.25	2.51	4.65	83.1	8.5
V339247		7.98					0.07	6.92	9.1	2060	1.78	0.14	2.63	0.11	39.3	5.8
V339248		12.53					0.14	7.12	13.3	2440	1.68	0.22	2.47	0.16	43.4	7.3
V339249		11.25					0.11	7.29	13.3	2250	1.71	0.29	2.61	0.10	46.7	8.3
V339250		10.07					0.19	6.85	24.9	2010	1.77	0.33	2.52	0.18	41.6	7.6
V339251		9.35					0.25	7.48	13.2	2020	1.83	0.89	1.84	0.15	45.4	14.3
V339252		7.31					8.49	6.45	52.8	190	1.13	8.72	2.08	1.60	13.75	52.4



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133907

Sample Description	Method Analyte Units LOR	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01
V339217		7	27.8	161.5	4.15	16.45	0.08	1.6	0.439	3.06	24.8	29.5	0.66	5050	4.47	0.05
V339218		9	28.4	15.4	2.44	17.60	0.09	3.7	0.031	2.21	26.6	80.0	0.89	837	1.76	0.05
V339219		6	20.5	878	5.92	13.85	0.08	1.2	1.175	2.56	19.0	13.8	0.65	3330	4.08	0.03
V339220		<1	0.40	2.7	0.46	0.25	0.06	<0.1	0.007	0.04	0.6	1.2	12.65	203	0.09	<0.01
V339221		9	28.0	17.3	2.84	16.10	0.09	1.1	0.041	2.74	24.0	97.6	0.76	1400	1.48	0.06
V339222		8	36.3	25.2	2.86	15.40	0.09	1.4	0.108	2.86	27.2	17.2	0.90	1540	1.29	0.03
V339223		14	24.9	11.5	2.68	15.25	0.10	1.8	0.194	2.87	29.2	30.8	0.78	2110	2.66	0.06
V339224		11	19.95	5.2	2.92	15.95	0.11	1.2	0.056	2.99	23.3	19.4	0.70	699	1.55	2.02
V339225		9	25.6	13.5	3.04	15.20	0.10	1.2	0.055	3.09	25.3	44.7	0.72	1420	1.66	0.77
V339226		23	19.75	11.5	2.59	18.65	0.11	4.3	0.036	1.14	32.8	64.2	0.81	805	1.20	0.03
V339227		23	18.50	12.2	2.69	18.50	0.11	4.4	0.035	1.08	37.0	64.3	0.87	844	1.37	<0.01
V339228		8	23.3	8.0	2.97	15.10	0.10	1.1	0.048	2.55	28.8	84.8	1.10	2470	1.42	0.05
V339229		10	24.0	7.1	2.63	14.45	0.10	1.3	0.039	1.85	27.7	108.0	1.04	898	1.47	0.03
V339230		8	26.2	9.6	2.58	15.40	0.09	1.1	0.047	2.35	20.3	80.6	0.66	885	1.53	0.06
V339231		25	14.05	312	4.97	14.90	0.09	1.1	0.298	2.92	26.4	26.1	0.75	1910	13.75	0.15
V339232		8	25.4	11.5	3.15	15.70	0.10	1.2	0.044	2.83	23.1	30.0	0.65	631	1.82	0.43
V339233		8	18.40	6.4	2.57	15.25	0.10	1.2	0.045	2.40	22.2	45.2	0.58	1060	1.37	0.07
V339234		8	27.3	7.3	2.74	15.65	0.10	1.1	0.056	2.74	25.6	47.8	0.83	1380	1.12	0.05
V339235		8	23.2	9.8	2.47	15.75	0.09	1.1	0.047	2.60	17.4	77.5	0.54	965	0.85	0.06
V339236		8	22.0	115.5	4.25	13.50	0.08	0.9	0.382	2.64	25.7	19.8	0.74	2640	1.62	0.03
V339237		1	0.37	1.5	0.45	0.22	0.05	<0.1	<0.005	0.03	0.5	1.2	12.55	197	0.07	<0.01
V339238		5	7.14	2.4	6.44	19.25	0.10	2.0	0.138	1.94	27.4	19.4	1.63	1800	0.70	1.05
V339239		8	6.29	3.5	2.96	16.10	0.10	1.4	0.081	1.73	31.9	11.2	0.82	888	0.71	2.14
V339240		8	6.20	3.2	2.89	16.10	0.10	1.3	0.081	1.68	27.8	11.7	0.78	879	0.95	2.10
V339241		9	6.73	10.8	2.53	15.55	0.11	1.1	0.121	2.23	60.2	13.0	0.64	998	1.85	0.99
V339242		18	13.75	278	6.26	15.05	0.10	1.0	0.792	2.75	22.3	18.3	0.74	1750	9.09	0.12
V339243		13	6.97	7.6	2.90	17.00	0.10	1.2	0.054	2.50	24.8	10.7	0.82	609	1.40	2.35
V339244		12	6.60	7.0	2.90	17.35	0.11	1.3	0.054	2.58	27.0	12.0	0.87	563	1.46	2.57
V339245		10	10.95	5.0	2.73	16.75	0.10	1.3	0.059	2.43	26.9	13.2	0.82	581	1.30	2.55
V339246		9	13.30	6.5	2.97	16.20	0.12	0.9	0.132	2.83	49.9	65.8	0.78	2560	2.18	0.25
V339247		11	15.40	5.9	2.81	17.05	0.10	1.1	0.055	2.56	19.9	19.2	0.73	592	3.98	2.23
V339248		10	18.10	25.9	2.81	16.90	0.10	1.1	0.061	2.76	21.9	39.0	0.68	676	1.81	1.72
V339249		14	14.90	10.0	2.90	17.15	0.10	1.2	0.054	2.80	24.4	13.2	0.72	625	1.40	2.19
V339250		12	14.85	18.1	2.76	16.35	0.09	1.2	0.055	2.66	21.1	33.0	0.63	787	1.25	1.65
V339251		9	14.50	3.8	2.85	17.60	0.10	1.2	0.066	2.29	23.5	333	0.54	724	3.14	0.60
V339252		17	4.58	3.0	7.36	15.20	0.11	2.4	0.424	3.23	4.3	5.2	0.79	2270	25.8	0.05



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133907

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
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
V339217		8.6	2.8	570	8820	160.5	<0.002	2.14	186.5	9.2	1	6.4	209	0.63	<0.05	12.70
V339218		10.8	3.9	740	33.0	80.6	<0.002	0.07	41.6	7.9	1	1.3	433	0.77	<0.05	10.05
V339219		6.1	2.5	480	>10000	149.5	<0.002	4.65	595	7.7	1	9.1	195.0	0.49	0.15	10.15
V339220		0.2	1.0	180	45.7	1.9	<0.002	<0.01	0.85	0.2	1	<0.2	48.4	<0.05	<0.05	0.15
V339221		7.8	2.8	600	141.5	109.5	<0.002	0.22	18.05	9.9	1	2.7	264	0.65	<0.05	13.45
V339222		7.5	5.1	550	825	120.0	<0.002	0.33	20.3	8.9	1	2.2	286	0.61	0.07	12.80
V339223		9.0	3.9	690	1620	133.0	<0.002	0.92	25.4	9.3	1	1.8	156.5	0.64	<0.05	12.80
V339224		8.4	2.6	580	54.9	124.0	<0.002	0.05	4.16	10.5	1	1.6	353	0.66	<0.05	13.15
V339225		7.4	2.9	580	556	144.5	<0.002	0.87	12.05	10.0	1	1.9	231	0.59	0.76	13.10
V339226		12.3	6.7	1300	10.1	41.7	<0.002	0.05	49.1	7.0	1	1.3	189.0	0.72	<0.05	9.78
V339227		12.2	7.1	1300	18.6	45.2	<0.002	0.22	50.8	6.8	1	1.3	226	0.71	<0.05	10.00
V339228		7.7	2.6	580	68.8	90.0	<0.002	0.31	11.00	10.4	1	1.7	192.5	0.64	<0.05	13.95
V339229		7.3	2.5	590	26.2	87.1	<0.002	0.21	11.80	9.0	1	1.6	346	0.59	<0.05	12.55
V339230		8.6	2.2	570	14.9	89.0	<0.002	0.12	17.40	10.6	1	1.8	157.5	0.65	<0.05	12.20
V339231		6.0	14.5	510	484	154.5	0.003	2.66	29.0	9.1	1	5.3	109.5	0.50	0.27	11.90
V339232		8.7	3.0	580	17.1	90.0	<0.002	0.07	9.74	10.6	1	1.6	177.5	0.65	<0.05	13.85
V339233		7.8	2.4	590	44.1	95.7	<0.002	0.13	20.4	10.1	1	1.6	103.0	0.66	<0.05	13.00
V339234		8.0	2.3	570	22.8	100.0	<0.002	0.33	15.60	10.6	1	1.8	156.5	0.64	<0.05	14.05
V339235		8.1	1.9	580	18.3	100.5	<0.002	0.12	13.55	10.2	1	1.7	154.0	0.65	<0.05	12.10
V339236		6.1	2.6	480	2110	157.0	<0.002	3.24	65.7	8.8	1	4.9	150.5	0.50	0.44	11.20
V339237		0.2	1.1	160	3.5	1.8	<0.002	<0.01	0.12	0.2	<1	<0.2	50.9	<0.05	<0.05	0.08
V339238		5.3	4.3	1150	153.0	70.0	<0.002	1.10	5.37	13.6	1	3.1	223	0.33	0.59	4.48
V339239		7.3	2.3	660	12.0	84.7	<0.002	0.28	3.67	10.5	1	2.1	296	0.60	<0.05	13.50
V339240		7.4	2.6	650	10.8	74.1	<0.002	0.25	3.67	10.5	1	2.2	288	0.58	<0.05	12.50
V339241		7.6	7.7	550	163.5	90.5	0.002	0.49	4.48	9.8	1	2.4	170.5	0.61	0.11	11.50
V339242		6.2	12.9	510	1260	159.5	<0.002	4.47	61.9	9.5	2	7.4	93.1	0.49	0.94	11.40
V339243		8.3	3.2	590	17.2	99.0	<0.002	0.07	1.56	11.7	1	1.6	385	0.64	<0.05	13.45
V339244		8.5	2.9	620	17.9	103.0	<0.002	0.04	1.09	12.1	1	1.6	448	0.67	<0.05	14.10
V339245		8.3	2.8	580	15.7	104.5	<0.002	0.04	1.47	11.6	1	1.6	386	0.70	<0.05	14.50
V339246		7.0	2.6	510	138.5	172.0	<0.002	1.16	22.2	10.4	1	2.6	99.9	0.55	0.05	13.55
V339247		8.5	2.7	600	15.2	102.0	<0.002	0.07	3.26	11.3	1	1.8	334	0.64	<0.05	12.05
V339248		8.3	3.1	590	17.8	112.0	<0.002	0.15	10.75	11.1	1	1.8	303	0.65	<0.05	13.05
V339249		8.3	2.8	570	17.3	118.0	<0.002	0.23	2.08	11.4	1	1.6	359	0.67	0.08	14.00
V339250		7.9	2.7	530	19.8	108.0	<0.002	0.24	5.54	10.3	1	1.6	277	0.64	0.09	12.15
V339251		8.3	2.7	640	17.8	106.5	<0.002	0.94	23.4	12.0	1	2.0	227	0.64	0.31	12.40
V339252		5.6	6.3	570	91.7	202	0.005	5.71	2.52	9.0	1	4.0	37.3	0.41	2.64	8.99



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133907

Sample Description	Method Analyte Units LOR	ME-MS61 Ti %	ME-MS61 Ti ppm	ME-MS61 U ppm	ME-MS61 V ppm	ME-MS61 W ppm	ME-MS61 Y ppm	ME-MS61 Zn ppm	ME-MS61 Zr ppm	Au-AA24 Au ppm
		0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
V339217		0.242	2.43	4.4	63	3.8	14.2	4960	52.5	1.720
V339218		0.298	1.25	4.9	69	2.5	16.0	64	137.5	0.010
V339219		0.199	2.32	4.6	53	3.8	12.6	8140	37.6	>10.0
V339220		<0.005	0.02	0.6	2	0.1	0.8	32	0.6	0.009
V339221		0.258	1.85	2.6	69	2.4	15.5	95	32.2	0.081
V339222		0.240	2.59	3.4	61	4.4	16.5	1020	47.1	0.329
V339223		0.266	2.03	3.9	65	3.6	16.2	2150	65.3	0.046
V339224		0.254	1.43	4.0	69	1.7	16.9	73	33.6	<0.005
V339225		0.237	1.97	4.3	65	5.0	15.8	933	35.0	0.071
V339226		0.377	0.84	4.6	66	6.9	15.2	93	184.5	<0.005
V339227		0.371	0.81	5.2	65	6.9	16.0	107	186.0	<0.005
V339228		0.249	1.93	4.7	68	4.3	17.5	164	31.9	0.005
V339229		0.239	1.40	5.3	61	2.8	16.7	56	41.0	<0.005
V339230		0.249	1.49	2.6	66	3.7	14.7	49	32.1	<0.005
V339231		0.206	2.33	4.9	65	5.2	12.3	873	32.0	0.345
V339232		0.257	1.44	5.7	71	2.3	17.7	48	33.5	0.006
V339233		0.247	1.45	3.0	65	4.1	15.1	92	33.6	0.013
V339234		0.247	2.23	5.0	67	2.9	16.9	52	31.8	0.007
V339235		0.252	1.68	3.3	67	3.3	14.0	45	32.6	<0.005
V339236		0.205	2.40	4.9	56	2.8	12.7	8550	26.9	0.828
V339237		<0.005	0.02	0.5	2	0.1	0.8	27	<0.5	<0.005
V339238		0.390	1.32	7.1	150	3.4	20.3	527	78.7	0.008
V339239		0.260	0.93	4.0	73	2.3	16.9	55	41.3	<0.005
V339240		0.259	0.90	3.9	72	2.2	16.2	52	39.6	<0.005
V339241		0.231	1.39	3.5	62	3.8	15.8	607	30.4	0.025
V339242		0.200	2.28	5.1	60	5.4	11.4	2320	29.7	0.902
V339243		0.251	0.93	4.5	68	1.8	18.9	46	32.4	<0.005
V339244		0.264	0.91	4.7	73	2.0	19.8	45	36.0	<0.005
V339245		0.250	0.97	4.7	66	1.2	19.0	42	35.4	0.005
V339246		0.220	1.95	5.2	65	2.6	14.3	324	23.7	0.180
V339247		0.254	1.11	3.7	69	2.4	16.7	44	30.5	<0.005
V339248		0.249	1.20	4.1	68	2.2	17.2	50	30.6	<0.005
V339249		0.250	1.16	4.5	67	3.3	18.1	43	33.2	<0.005
V339250		0.234	1.13	3.8	63	1.8	17.1	48	32.6	0.007
V339251		0.268	1.31	5.1	75	3.6	16.1	44	36.9	0.008
V339252		0.229	2.17	7.0	61	13.6	10.0	148	94.9	0.162



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133907

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	As-OG62	Au-AA24	Au-GRA22
	ME-MS61	ME-OG62	Pb-OG62	



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

CERTIFICATE WH17133910

Project: Klaza

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133910

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V339289		9.27		0.41	6.97	19.6	1880	1.76	0.31	2.58	3.85	41.7	8.5	8	20.3	20.1
V339290		3.00		1.61	7.16	3150	1290	1.69	2.06	2.15	2.08	49.1	10.3	8	16.15	63.7
V339291		8.06		11.45	7.34	428	810	1.69	6.60	2.11	8.97	49.3	7.8	9	23.0	84.5
V339292		9.05		18.30	6.83	4540	700	1.51	1.90	1.09	71.4	48.8	7.2	8	14.05	232
V339293		6.18		0.05	0.07	2.8	20	0.05	0.03	20.8	0.14	1.16	1.0	1	0.18	2.5
V339294		5.26		0.17	6.80	17.2	1880	1.53	0.34	1.72	0.51	36.4	6.9	8	26.9	8.8
V339295		<0.02		0.21	6.67	15.2	1840	1.38	0.39	1.75	0.42	35.9	6.3	8	26.0	9.7
V339296		11.71		2.12	6.99	271	2120	1.66	0.97	1.99	10.35	44.1	8.7	8	20.6	17.2
V339297		0.26		38.2	5.53	2430	210	1.20	34.9	1.65	43.8	32.9	17.3	22	10.25	1190
V339298		4.11		0.12	8.27	28.4	220	1.66	0.18	1.28	0.94	62.9	8.6	27	16.05	10.8
V339299		1.73		0.06	8.13	29.0	240	1.88	0.16	1.25	0.49	60.9	8.7	26	16.25	13.9
V339300		6.02		6.80	5.43	90.4	2170	1.51	0.27	5.66	10.65	39.5	5.4	6	22.9	17.2
V339301		6.35		0.77	6.76	197.0	1020	1.53	0.23	1.94	2.05	40.1	6.4	8	22.7	11.9
V339302		7.69		0.15	7.32	12.9	2040	1.66	0.20	1.72	0.24	46.2	7.6	9	17.15	17.0
V339303		9.95		30.6	6.60	4320	550	1.51	1.25	2.16	26.6	45.5	5.9	9	16.90	115.5
V339304		0.26		8.97	6.50	1740	990	1.52	6.14	1.84	40.6	42.7	17.4	20	16.85	110.5
V339305		11.47		0.25	6.83	111.0	3790	1.72	0.13	2.37	0.46	48.1	7.2	8	26.1	17.5
V339306		8.97		0.72	6.89	124.5	1680	1.75	0.22	1.98	9.73	35.4	7.4	8	32.4	23.2
V339307		7.11		0.14	7.32	14.1	2190	1.84	0.23	2.36	0.19	45.6	7.5	9	21.0	10.7
V339308		2.54		3.13	6.44	87.3	1640	1.64	1.73	4.07	3.12	47.3	6.7	6	23.7	19.4
V339309		4.66		0.09	7.03	16.0	1860	1.60	0.13	2.31	0.14	41.9	7.3	8	25.5	8.6
V339310		5.57		2.75	6.84	155.5	1310	1.65	2.59	2.75	0.31	48.7	10.9	8	23.8	11.3
V339311		10.74		7.39	6.19	2040	980	1.46	1.67	2.48	25.8	41.4	8.5	9	15.80	48.0
V339312		6.07		0.02	0.06	2.0	80	0.06	0.03	20.4	0.09	1.13	1.0	1	0.17	2.8
V339313		6.51		1.16	7.01	54.2	730	1.52	1.52	2.60	1.30	49.9	11.1	11	17.45	11.8
V339314		5.14	1.285	7.10	6.20	445	1060	1.37	2.62	3.04	202	41.2	6.8	8	20.9	63.5
V339315		10.61		5.45	7.33	240	770	1.57	1.64	2.13	20.6	50.1	9.3	10	18.55	17.2
V339316		6.19		4.69	7.01	494	440	1.45	1.53	1.55	32.5	50.2	7.9	10	14.60	22.6
V339317		3.68		1.25	7.36	48.5	1750	1.60	0.35	2.05	2.01	49.4	6.3	10	17.85	11.2
V339318		9.96		0.27	6.95	9.9	1740	1.68	0.71	2.43	0.31	41.4	8.6	10	10.95	5.2
V339319		12.14		0.12	7.14	9.8	2440	1.83	0.48	2.68	0.17	42.3	6.1	12	13.55	5.1
V339320		10.77		0.77	6.71	26.5	1670	1.65	0.86	2.61	1.11	42.7	8.7	10	8.04	5.2
V339321		9.42		2.91	6.75	20.4	1210	1.61	0.94	2.45	3.46	43.3	7.7	10	8.93	6.2
V339322		11.72		1.05	6.99	513	1080	1.53	0.82	2.48	4.89	50.2	8.9	10	13.50	11.7
V339323		6.38		0.19	7.06	13.6	1080	1.76	0.43	2.76	0.24	42.8	13.0	10	12.90	14.8
V339324		9.07		2.89	8.09	1295	2370	1.79	0.59	0.56	30.4	63.4	5.1	11	17.05	25.0



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133910

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
V339289		2.99	16.90	0.09	1.2	0.052	2.73	20.8	56.5	0.79	556	1.60	0.65	8.4	2.6	580
V339290		3.30	16.35	0.09	1.2	0.098	3.23	25.9	67.3	0.73	1110	1.49	0.08	8.0	2.6	550
V339291		3.22	16.55	0.12	1.2	0.120	2.99	27.0	52.9	0.77	1320	1.07	0.03	7.8	2.4	520
V339292		4.58	15.45	0.11	1.1	0.559	3.05	26.2	23.4	0.53	1860	2.27	0.03	7.2	2.5	490
V339293		0.45	0.23	0.06	<0.1	0.010	0.03	0.6	1.2	12.70	193	0.19	<0.01	0.2	1.3	180
V339294		2.80	16.15	0.08	1.3	0.064	3.01	17.9	103.0	0.50	639	0.94	0.14	8.2	2.2	540
V339295		2.71	16.00	0.08	1.2	0.069	2.98	17.5	108.5	0.53	610	1.27	0.14	7.9	2.0	550
V339296		2.92	16.65	0.08	1.2	0.087	3.06	22.1	57.5	0.62	979	2.37	0.06	7.9	2.7	560
V339297		8.97	14.00	0.10	0.8	1.525	2.58	16.6	15.1	0.66	2300	17.15	0.06	4.8	14.5	440
V339298		3.26	22.0	0.12	4.9	0.045	1.22	30.6	800	0.62	1040	2.66	0.02	13.1	8.0	1440
V339299		3.14	22.3	0.10	4.7	0.043	1.18	28.8	760	0.60	984	1.71	0.02	13.2	7.8	1420
V339300		3.01	11.95	0.06	1.0	0.061	1.99	22.3	55.9	1.93	1920	4.36	0.03	5.9	2.3	390
V339301		2.70	15.90	0.08	1.2	0.049	2.65	20.2	111.0	0.61	1100	1.76	0.05	7.9	2.4	550
V339302		3.10	17.25	0.09	1.3	0.059	2.94	23.3	29.1	0.64	551	1.38	0.74	8.8	2.6	660
V339303		3.31	14.85	0.09	1.2	0.172	2.96	24.4	33.4	0.77	2160	8.00	0.03	7.1	2.7	490
V339304		5.07	15.00	0.10	1.2	0.899	2.81	22.4	23.8	0.68	1930	12.15	0.26	7.4	15.3	480
V339305		2.52	15.50	0.08	1.2	0.041	2.44	26.1	138.0	0.78	1030	1.56	0.03	7.6	2.4	510
V339306		2.86	16.85	0.09	1.3	0.056	3.00	17.1	161.0	0.54	803	1.26	0.20	8.5	2.4	570
V339307		3.01	17.40	0.10	1.2	0.052	2.91	23.4	39.2	0.65	505	1.22	1.36	8.8	2.4	580
V339308		2.84	14.30	0.09	0.9	0.079	2.39	26.5	67.8	1.33	1050	1.01	0.05	7.0	2.7	480
V339309		2.58	17.30	0.09	1.1	0.049	3.17	20.3	64.6	0.61	768	0.92	0.11	8.6	2.3	590
V339310		2.85	15.05	0.08	1.0	0.052	2.49	27.3	84.4	0.92	1170	1.85	0.03	7.2	2.7	500
V339311		3.66	14.35	0.10	0.9	0.158	2.73	22.1	20.7	0.80	2200	6.44	0.02	6.5	2.6	450
V339312		0.45	0.22	0.07	<0.1	0.008	0.02	0.6	1.2	12.45	199	0.10	<0.01	0.1	1.4	170
V339313		3.25	15.10	0.09	0.9	0.132	2.81	27.7	62.8	0.86	813	1.12	0.04	6.9	2.7	520
V339314		3.57	13.20	0.08	0.8	0.669	2.57	21.8	18.5	1.05	2370	3.95	0.02	6.4	2.2	470
V339315		3.69	16.30	0.10	1.0	0.112	3.22	27.0	19.1	0.79	2490	1.25	0.03	7.7	2.5	570
V339316		3.79	15.70	0.09	1.0	0.212	3.08	27.7	46.2	0.60	1620	1.37	0.03	7.1	2.6	540
V339317		2.83	17.00	0.08	1.1	0.070	3.63	26.2	92.9	0.66	1250	2.32	0.12	8.5	2.9	620
V339318		2.88	16.50	0.10	1.1	0.060	2.71	21.5	25.9	0.62	475	1.64	1.79	7.9	2.6	580
V339319		2.79	17.05	0.11	1.1	0.070	2.62	21.6	17.1	0.73	535	1.29	2.17	8.4	2.6	640
V339320		2.81	16.35	0.09	1.1	0.062	2.52	22.1	19.1	0.65	534	1.06	1.45	8.1	2.7	600
V339321		3.03	15.75	0.10	1.0	0.065	3.01	21.7	47.3	0.76	956	0.93	0.33	6.5	2.5	630
V339322		3.17	17.10	0.11	0.9	0.093	3.07	26.8	63.4	0.84	1180	2.37	0.11	7.1	2.8	560
V339323		2.94	16.35	0.09	1.0	0.086	2.69	22.3	15.8	0.63	457	0.80	2.05	8.2	2.9	600
V339324		2.83	17.50	0.11	1.2	0.127	2.74	36.9	73.7	0.25	1070	2.01	0.03	8.0	2.9	600



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Page: 2 - C
Total # Pages: 2 (A - D)
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Finalized Date: 30-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133910

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V339289		68.7	104.0	<0.002	0.43	8.95	10.8	1	1.7	195.5	0.68	0.08	12.75	0.253	1.50	5.1
V339290		64.5	146.5	<0.002	1.12	22.2	10.5	1	2.4	111.5	0.65	0.21	14.45	0.238	2.13	4.7
V339291		1675	158.0	<0.002	1.50	25.5	10.4	1	2.3	87.2	0.65	0.23	15.30	0.232	2.49	5.2
V339292		5500	172.0	<0.002	3.52	73.3	9.9	1	4.9	51.8	0.60	0.12	14.10	0.209	2.50	5.2
V339293		8.3	1.4	<0.002	<0.01	0.16	0.2	1	<0.2	48.4	<0.05	<0.05	0.12	<0.005	<0.02	1.0
V339294		25.9	122.0	<0.002	0.42	21.3	9.5	<1	1.7	132.5	0.69	0.12	12.45	0.237	1.74	4.1
V339295		20.1	117.5	<0.002	0.39	20.9	9.6	1	1.5	127.5	0.66	0.13	12.15	0.232	1.76	3.9
V339296		527	139.0	<0.002	1.28	19.05	10.7	1	2.0	101.0	0.64	0.35	13.80	0.234	2.12	5.9
V339297		1650	142.5	0.002	7.68	102.0	8.4	2	10.2	62.2	0.38	0.65	9.38	0.167	2.06	5.4
V339298		26.8	52.6	<0.002	0.07	78.6	8.1	1	1.9	1055	0.81	<0.05	9.77	0.410	0.97	5.0
V339299		18.3	53.0	<0.002	0.06	83.2	8.2	1	2.4	998	0.78	0.05	9.54	0.408	0.96	5.3
V339300		1510	99.6	<0.002	0.53	35.1	7.6	1	1.2	160.5	0.47	<0.05	11.70	0.171	1.50	6.9
V339301		86.0	108.0	<0.002	0.65	24.4	9.9	1	1.7	162.0	0.65	<0.05	12.25	0.233	1.85	4.2
V339302		25.3	125.5	<0.002	0.19	10.10	12.3	1	1.7	155.5	0.70	0.07	13.90	0.261	1.56	4.4
V339303		5130	167.0	<0.002	2.30	91.6	9.4	1	2.9	77.7	0.61	1.28	13.80	0.206	2.63	5.6
V339304		1355	160.0	<0.002	3.03	30.5	9.0	1	5.6	148.5	0.57	0.25	11.85	0.205	2.26	4.9
V339305		27.2	123.0	<0.002	0.26	20.5	10.0	1	1.5	165.5	0.63	<0.05	14.70	0.220	1.83	5.5
V339306		85.4	119.0	<0.002	0.36	20.6	10.7	1	1.7	146.0	0.70	0.05	12.30	0.242	1.73	5.3
V339307		21.3	119.0	<0.002	0.10	7.57	12.0	1	1.8	254	0.69	0.07	13.75	0.259	1.37	3.9
V339308		246	140.0	<0.002	0.57	14.75	9.7	1	1.5	174.0	0.55	0.81	12.90	0.212	1.91	6.8
V339309		17.7	122.5	<0.002	0.12	10.65	11.5	1	1.9	126.0	0.67	<0.05	12.85	0.255	1.97	3.4
V339310		37.6	131.0	<0.002	0.56	23.9	10.1	1	1.4	107.0	0.56	1.37	13.80	0.221	2.10	6.5
V339311		972	170.0	<0.002	2.76	46.5	9.2	1	3.4	79.5	0.51	0.80	11.60	0.198	2.61	4.5
V339312		2.6	1.2	<0.002	<0.01	0.11	0.2	1	<0.2	50.1	<0.05	<0.05	0.10	<0.005	<0.02	0.6
V339313		55.4	150.5	<0.002	1.82	12.05	9.2	1	2.4	75.9	0.54	0.80	12.70	0.215	2.19	3.3
V339314		745	147.0	<0.002	3.08	20.8	8.5	1	2.7	99.6	0.48	1.19	11.10	0.199	2.31	4.3
V339315		890	173.0	<0.002	2.46	15.45	10.3	1	2.8	98.9	0.58	1.08	12.95	0.232	2.67	3.5
V339316		572	181.5	<0.002	3.14	16.45	9.8	1	3.4	70.7	0.55	0.64	12.95	0.221	2.55	3.1
V339317		173.0	163.5	<0.002	1.02	15.20	11.2	1	2.3	138.0	0.63	0.26	13.25	0.262	2.20	3.5
V339318		23.7	112.0	<0.002	1.57	3.47	10.4	1	2.5	274	0.61	0.65	11.60	0.239	1.36	3.6
V339319		19.5	93.5	<0.002	0.63	2.41	11.2	1	2.2	381	0.62	0.32	11.25	0.266	1.15	3.0
V339320		69.8	102.5	<0.002	1.23	3.27	10.7	1	2.4	245	0.60	0.49	10.40	0.250	1.32	2.7
V339321		609	136.5	<0.002	1.96	7.75	11.1	1	2.8	135.5	0.49	0.50	10.85	0.227	2.08	3.3
V339322		155.5	158.0	<0.002	1.94	14.80	10.4	1	2.6	83.7	0.53	0.37	11.95	0.220	2.31	5.7
V339323		23.5	104.0	<0.002	1.62	4.07	10.4	1	2.3	310	0.62	0.28	11.40	0.248	1.27	3.8
V339324		572	158.0	<0.002	0.26	18.55	11.3	1	3.3	151.0	0.60	0.12	14.75	0.249	2.40	3.9



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 30-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133910

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	Au-AA24 Au ppm 0.005
V339289		69	1.9	16.2	317	35.2	<0.005
V339290		63	2.3	15.0	206	33.7	0.249
V339291		62	2.5	14.8	782	32.5	0.653
V339292		58	5.3	11.6	6940	33.0	0.677
V339293		2	0.1	0.8	26	<0.5	<0.005
V339294		63	2.5	12.8	143	36.4	0.005
V339295		62	2.5	12.5	136	33.4	0.005
V339296		66	3.4	14.1	730	35.5	0.042
V339297		56	6.9	9.0	3320	22.8	1.715
V339298		69	17.6	15.6	256	204	<0.005
V339299		69	17.7	15.5	222	207	<0.005
V339300		48	3.5	14.2	843	27.8	0.043
V339301		63	4.9	13.2	279	33.7	0.017
V339302		73	2.8	17.8	105	37.2	<0.005
V339303		57	4.2	13.7	1980	31.9	0.781
V339304		56	4.9	11.5	2920	40.7	0.797
V339305		60	3.1	16.3	107	33.9	0.019
V339306		65	3.5	14.1	705	36.0	0.013
V339307		69	2.5	17.4	85	36.5	<0.005
V339308		57	3.1	16.5	229	26.0	0.094
V339309		69	3.1	16.1	57	33.0	<0.005
V339310		59	3.5	16.1	60	28.4	0.059
V339311		54	3.7	11.9	1720	25.1	0.627
V339312		2	0.1	0.8	17	<0.5	<0.005
V339313		64	2.0	12.3	140	23.2	0.046
V339314		54	2.9	11.5	>10000	21.8	0.219
V339315		64	2.7	12.6	1420	27.1	0.371
V339316		61	3.5	11.1	2430	27.6	0.312
V339317		71	2.7	14.6	304	32.6	0.036
V339318		65	1.4	13.8	118	32.0	0.043
V339319		73	1.6	15.4	91	32.1	0.042
V339320		69	1.4	13.3	159	31.6	0.028
V339321		69	1.6	12.8	266	27.7	0.033
V339322		67	1.8	13.3	565	26.4	0.049
V339323		66	2.1	15.3	49	28.8	0.007
V339324		69	3.4	15.3	2030	39.1	0.376



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 30-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17133910

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 11-AUG-2017
Account: ROCKHA

CERTIFICATE WH17138020

Project: Klaza

P.O. No.: 17-014

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

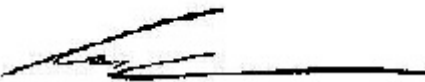
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 11-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17138020

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V339361		10.76		4.43	6.88	339	240	1.51	0.91	1.90	8.55	47.5	7.1	12	14.90	36.5
V339362		6.26		3.84	7.32	63.9	310	1.63	4.16	1.48	7.06	46.5	12.8	19	14.95	86.2
V339363		0.32		4.32	6.90	729	360	1.40	4.20	2.11	11.10	48.8	13.2	25	13.55	318
V339364		9.42		2.55	7.18	90.6	550	1.65	1.17	1.94	3.22	52.0	7.4	19	22.6	45.9
V339365		9.24		19.75	6.53	2290	230	1.40	3.39	1.60	34.1	48.4	8.8	14	10.70	140.5
V339366		6.14		0.04	0.07	3.3	30	0.11	0.04	20.9	0.11	1.05	1.5	1	0.17	3.9
V339367		7.40		0.12	7.57	9.2	2160	1.79	0.48	2.55	0.21	57.1	6.9	14	12.65	14.8
V339368		4.76		0.17	7.82	17.2	2100	1.66	0.36	1.90	0.36	49.2	8.1	14	10.10	16.9
V339369		6.48		0.02	0.09	1.0	30	0.10	0.03	20.8	0.07	1.37	1.6	1	0.23	4.1
V339370		9.88		0.18	7.12	16.9	1900	1.51	0.49	2.82	0.30	54.9	7.7	14	15.15	37.3
V339371		6.62		0.18	7.36	18.0	1940	1.58	0.54	2.81	0.23	54.4	7.4	13	14.85	37.2
V339372		7.84		0.46	7.54	20.1	1140	1.42	0.54	2.92	0.21	48.1	11.6	14	9.90	24.8
V339373		6.62		0.27	6.80	11.9	1480	1.66	0.70	3.10	0.20	49.8	10.4	13	6.83	43.4
V339374		<0.02		0.28	7.30	11.3	1530	1.54	0.70	3.15	0.21	53.2	10.1	14	6.75	41.7
V339375		4.84		3.43	7.58	68.0	1760	1.75	1.19	1.33	10.15	52.2	6.7	13	10.80	55.5
V339376		5.72		1.39	7.61	38.3	1190	1.59	0.68	2.13	13.65	57.0	7.5	13	9.24	16.9
V339377		4.14		34.3	6.07	441	210	1.28	7.81	0.52	93.0	31.7	39.0	10	15.30	225
V339378		3.84		12.60	7.03	1175	170	1.74	7.99	1.88	21.0	46.6	7.4	11	12.60	347
V339379		0.32		39.1	5.90	2610	180	1.36	37.3	1.71	46.3	36.6	17.9	22	10.15	1230
V339380		4.32		0.25	7.93	27.1	2090	1.60	0.56	1.75	0.30	49.3	8.0	13	12.75	18.0
V339381		5.70	3.04	5.39	7.33	205	370	1.72	2.03	1.35	30.3	47.9	7.9	11	12.35	87.5
V339382		3.30		41.0	5.21	1465	50	1.37	13.55	0.45	293	26.0	16.7	10	7.10	706
V339383		4.48		0.47	7.58	20.8	2310	1.78	0.82	3.22	1.61	54.5	5.8	12	13.35	9.5
V339384		3.46		1.60	7.11	53.6	1120	1.58	1.71	2.47	9.76	49.4	9.7	12	17.50	40.7
V339385		6.30		0.17	7.60	9.1	2470	1.58	0.35	2.55	0.62	53.3	8.0	13	17.65	10.3
V339386		6.42		0.52	7.22	28.6	1840	1.87	0.71	2.72	1.35	45.5	7.8	11	15.40	26.3
V339387		4.64		0.14	7.70	20.2	940	1.83	0.19	2.67	0.31	55.1	6.7	10	23.7	14.4
V339388		3.08		0.70	5.35	533	1130	1.37	0.46	5.45	1.32	37.3	6.4	9	17.80	14.7
V339389		3.76		0.12	7.20	21.6	1980	1.48	0.35	2.89	0.30	45.3	7.3	10	23.3	9.0
V339390		6.20		3.32	7.48	220	1030	1.82	4.67	0.17	20.4	61.5	3.5	13	22.0	43.9
V339391		2.48		6.00	6.86	388	470	1.72	7.97	0.12	10.30	54.0	7.5	9	17.75	133.5
V339392		6.10		0.32	7.01	45.0	1110	2.02	0.27	2.80	1.99	41.3	6.2	14	29.0	14.8
V339393		6.16		2.57	6.43	100.0	790	1.61	1.03	2.23	7.66	70.6	5.6	54	21.4	31.6
V339394		10.90		2.25	7.04	167.0	1460	1.77	1.31	2.14	5.63	61.1	6.9	15	19.90	32.4
V339395		4.06		0.31	6.80	162.0	2460	1.48	0.52	1.59	0.26	47.2	5.9	9	21.0	8.4
V339396		8.86		0.22	7.24	25.8	1440	1.24	0.28	1.50	0.90	49.2	5.5	10	18.25	7.2



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 11-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17138020

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
V339361		3.56	15.80	0.11	1.3	0.102	3.27	25.4	12.6	0.76	2660	11.25	0.03	6.8	2.4	470
V339362		4.17	17.75	0.10	1.2	0.136	3.13	25.2	85.0	0.64	1060	7.25	0.03	7.2	2.8	550
V339363		5.12	16.00	0.10	1.1	0.308	3.02	27.5	27.2	0.80	1920	16.05	0.15	6.5	15.3	530
V339364		3.06	16.55	0.12	1.3	0.074	3.00	28.7	47.9	0.73	976	4.67	0.03	6.7	2.5	550
V339365		4.47	15.10	0.10	1.1	0.259	2.98	26.6	26.6	0.59	1120	5.59	0.04	6.4	1.9	490
V339366		0.48	0.47	0.08	<0.1	<0.005	0.03	0.5	1.3	13.00	199	0.14	<0.01	0.1	1.6	160
V339367		2.86	16.80	0.12	1.3	0.041	2.89	30.7	18.7	0.72	459	1.69	1.54	8.5	2.3	580
V339368		2.88	18.15	0.12	1.3	0.045	2.94	25.0	28.2	0.48	592	2.00	0.51	8.9	2.1	640
V339369		0.47	0.54	0.11	<0.1	<0.005	0.03	0.7	1.4	12.75	200	0.09	0.01	0.2	2.1	180
V339370		2.97	16.40	0.18	1.2	0.072	2.71	29.5	25.9	0.78	668	2.53	1.17	7.6	2.3	580
V339371		2.94	16.75	0.16	1.1	0.068	2.78	29.6	25.5	0.77	662	2.88	1.30	7.7	2.5	590
V339372		3.04	17.15	0.11	1.2	0.063	2.88	24.8	32.7	0.90	906	1.71	0.30	6.4	2.6	580
V339373		2.88	16.60	0.19	1.2	0.043	2.28	24.7	9.9	0.68	638	1.74	1.89	6.4	2.8	570
V339374		2.85	16.70	0.19	1.1	0.054	2.32	27.8	9.9	0.73	638	1.39	1.92	6.3	2.6	570
V339375		3.99	16.60	0.20	1.2	0.428	3.35	28.8	14.1	0.44	1140	3.77	0.76	7.7	2.9	560
V339376		2.81	17.95	0.21	1.2	0.175	3.75	29.9	11.6	0.63	1540	1.27	0.15	7.5	2.3	580
V339377		9.43	14.40	0.14	1.0	2.38	2.92	15.0	10.4	0.35	1280	1.45	0.03	5.6	2.9	400
V339378		5.46	15.95	0.19	1.1	0.602	3.34	24.3	11.7	0.77	2330	1.41	0.04	7.3	2.4	550
V339379		9.45	14.75	0.11	0.9	1.575	2.71	18.8	17.6	0.70	2340	17.75	0.06	5.1	14.8	460
V339380		2.81	17.95	0.17	1.3	0.104	3.34	25.2	52.6	0.69	858	1.37	0.14	8.9	2.7	630
V339381		4.05	16.40	0.17	1.1	0.584	3.26	25.9	23.8	0.59	1180	1.76	0.04	7.1	2.4	560
V339382		8.78	12.75	0.10	0.9	14.45	2.68	11.8	9.5	0.28	657	4.09	0.03	4.6	2.3	380
V339383		2.56	17.60	0.24	1.3	0.089	3.30	29.8	36.2	0.60	876	0.90	0.87	8.4	2.2	620
V339384		3.80	17.05	0.18	1.2	0.395	2.80	26.1	95.1	0.70	998	1.31	0.33	7.2	2.8	580
V339385		3.01	17.60	0.24	1.3	0.073	2.74	28.7	20.2	0.77	621	1.26	2.38	8.3	2.5	600
V339386		3.14	17.25	0.20	1.3	0.087	3.03	23.1	20.8	0.58	918	1.30	1.16	8.2	2.4	590
V339387		2.72	17.75	0.19	1.3	0.043	2.68	30.1	131.5	0.91	807	0.86	0.04	8.4	2.3	640
V339388		2.66	12.30	0.15	0.9	0.058	2.25	20.5	31.8	0.95	1500	2.11	0.03	5.4	1.9	400
V339389		2.76	16.95	0.18	1.2	0.045	2.63	22.8	66.2	0.60	698	1.06	0.33	8.0	2.4	610
V339390		3.10	17.75	0.18	1.3	0.306	3.28	36.3	19.3	0.32	507	3.02	0.20	7.2	2.5	430
V339391		5.29	17.30	0.16	1.3	0.531	3.16	30.2	18.8	0.31	128	2.97	0.04	6.3	2.1	420
V339392		2.48	18.60	0.11	3.7	0.036	3.44	19.4	95.3	0.45	887	2.47	0.05	10.7	9.5	810
V339393		2.62	14.45	0.11	1.1	0.135	2.75	40.2	22.7	0.82	1080	2.06	0.06	5.4	3.8	630
V339394		2.57	15.35	0.14	1.3	0.158	3.03	34.1	31.7	0.68	803	2.97	0.06	6.4	3.5	560
V339395		2.04	13.85	0.10	1.1	0.086	1.50	25.6	173.5	0.53	577	1.09	0.04	6.2	2.6	510
V339396		2.58	14.65	0.09	1.2	0.090	1.82	25.7	199.5	0.56	648	1.57	0.05	7.5	2.0	570



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 11-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17138020

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V339361		749	181.5	<0.002	2.86	31.9	8.9	1	2.8	41.6	0.60	0.29	13.60	0.201	3.17	4.0
V339362		515	181.5	<0.002	3.66	31.1	10.1	2	4.4	65.2	0.62	0.62	13.15	0.224	2.69	3.3
V339363		487	155.0	0.005	2.75	28.7	9.5	1	5.8	109.5	0.52	0.38	11.40	0.208	2.45	5.1
V339364		125.0	162.5	<0.002	2.10	25.6	10.5	1	2.8	99.3	0.58	0.31	13.20	0.215	2.64	4.5
V339365		3490	171.5	<0.002	4.19	58.3	9.3	1	4.4	52.5	0.55	1.15	11.15	0.198	2.58	4.1
V339366		6.8	1.3	<0.002	0.02	0.17	0.2	1	<0.2	46.4	<0.05	<0.05	0.10	<0.005	<0.02	0.5
V339367		21.8	117.0	<0.002	0.56	3.92	10.4	1	2.1	275	0.72	0.23	15.50	0.250	1.44	3.8
V339368		26.7	117.0	<0.002	0.62	13.00	11.6	1	2.3	132.0	0.71	0.12	13.80	0.274	1.51	4.1
V339369		2.6	1.5	<0.002	<0.01	0.13	0.3	1	<0.2	48.5	<0.05	<0.05	0.20	<0.005	0.02	1.2
V339370		22.5	119.0	<0.002	0.83	7.89	10.7	1	2.0	247	0.60	0.13	14.95	0.239	1.62	4.9
V339371		22.0	124.0	<0.002	0.77	6.16	10.5	1	2.2	266	0.64	0.17	14.75	0.238	1.62	4.9
V339372		18.3	139.0	<0.002	1.79	10.20	9.8	1	2.3	127.0	0.50	0.24	14.05	0.196	1.86	4.7
V339373		18.8	92.5	0.003	1.65	2.18	10.0	1	2.3	260	0.52	0.27	13.75	0.191	1.19	4.4
V339374		19.2	99.3	0.002	1.61	2.13	10.0	1	2.3	260	0.50	0.32	13.60	0.192	1.23	4.2
V339375		908	168.0	<0.002	1.08	6.80	10.5	1	3.0	117.0	0.65	0.18	14.15	0.234	2.67	4.2
V339376		354	214	<0.002	1.49	4.52	10.8	1	2.8	63.8	0.61	0.21	14.90	0.228	3.21	3.4
V339377		6720	178.5	<0.002	9.46	32.5	7.2	2	6.7	34.0	0.49	1.91	10.65	0.171	2.40	3.1
V339378		3120	188.0	<0.002	3.98	37.3	10.9	1	7.0	60.8	0.58	0.21	12.20	0.225	2.82	3.8
V339379		1695	144.5	0.002	8.09	107.5	8.8	2	11.1	64.2	0.42	0.94	9.04	0.171	2.26	5.5
V339380		33.1	129.0	<0.002	0.42	9.39	11.9	1	2.7	118.5	0.71	0.14	15.05	0.272	1.81	3.8
V339381		1545	183.0	<0.002	3.28	20.9	10.4	1	2.8	53.3	0.58	0.35	12.95	0.217	2.82	4.5
V339382		3250	151.5	<0.002	>10.0	87.4	7.7	3	6.3	17.6	0.39	0.72	7.83	0.143	2.13	3.1
V339383		96.7	141.5	<0.002	0.84	4.93	11.5	1	2.0	227	0.67	0.40	14.75	0.262	1.98	4.6
V339384		164.5	130.0	<0.002	2.32	11.20	11.0	1	3.1	132.5	0.59	0.17	13.25	0.222	1.70	4.6
V339385		27.3	110.0	<0.002	0.30	1.90	11.8	1	1.8	365	0.67	0.08	14.10	0.256	1.16	4.2
V339386		154.0	125.5	<0.002	0.64	7.34	11.2	1	2.8	217	0.67	0.05	13.10	0.252	1.62	4.3
V339387		16.1	109.0	<0.002	0.16	14.65	11.5	1	1.8	140.0	0.66	<0.05	14.85	0.259	1.53	4.9
V339388		87.1	116.0	<0.002	0.91	28.2	7.6	1	1.8	147.5	0.41	0.06	9.74	0.168	1.82	6.9
V339389		19.3	99.3	<0.002	0.34	16.80	11.1	1	2.0	143.0	0.63	0.05	12.45	0.252	1.32	3.0
V339390		279	199.0	<0.002	0.29	16.25	9.7	1	4.7	58.7	0.62	0.25	12.10	0.205	2.78	4.2
V339391		522	201	<0.002	3.12	16.75	9.1	1	7.1	60.0	0.54	0.34	10.70	0.183	2.78	3.5
V339392		38.2	120.0	0.002	0.13	16.75	8.1	1	2.1	570	0.81	<0.05	7.58	0.323	3.38	4.7
V339393		609	163.0	<0.002	1.49	13.95	9.7	1	2.8	144.5	0.43	0.16	9.60	0.176	2.62	2.7
V339394		431	158.5	<0.002	1.32	10.60	8.7	1	2.8	165.5	0.55	0.19	11.90	0.201	2.58	3.9
V339395		26.9	75.8	<0.002	0.41	29.5	8.6	1	1.1	204	0.55	0.05	11.25	0.197	1.06	7.8
V339396		33.3	70.9	<0.002	0.22	21.4	9.5	1	1.3	170.5	0.66	<0.05	13.70	0.230	1.05	2.6



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 11-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17138020

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	Au-AA24 Au ppm 0.005
V339361		56	3.5	10.8	812	32.7	0.144
V339362		64	2.6	11.4	683	31.4	0.313
V339363		66	6.0	12.0	894	31.6	0.362
V339364		68	2.5	13.1	348	33.3	0.051
V339365		58	3.0	10.6	2370	30.1	0.928
V339366		2	0.1	0.7	20	<0.5	0.005
V339367		66	1.6	16.1	134	35.8	<0.005
V339368		75	4.0	15.7	172	35.0	0.006
V339369		2	0.1	0.8	18	<0.5	<0.005
V339370		68	1.4	15.4	59	32.8	0.007
V339371		67	1.5	15.6	56	31.8	0.011
V339372		63	2.7	12.5	52	33.6	0.015
V339373		62	0.8	11.2	56	33.0	0.008
V339374		63	0.8	11.4	56	29.2	0.008
V339375		67	2.2	12.7	1080	32.5	0.055
V339376		67	1.8	12.7	969	33.9	0.014
V339377		50	4.8	9.9	7270	27.1	1.015
V339378		65	3.7	12.6	2180	29.9	0.650
V339379		58	7.8	9.6	3490	24.4	1.770
V339380		70	4.7	15.4	73	36.3	0.010
V339381		62	4.3	10.7	3210	31.3	0.191
V339382		46	4.7	7.2	>10000	24.3	2.29
V339383		70	2.0	16.2	234	35.7	0.027
V339384		65	4.4	15.1	1010	33.5	0.079
V339385		70	2.2	17.5	98	36.4	0.008
V339386		69	2.9	15.2	186	35.0	0.021
V339387		69	6.1	16.7	79	36.2	<0.005
V339388		49	3.1	13.7	127	24.9	0.080
V339389		70	2.4	16.3	67	31.1	0.006
V339390		62	3.7	9.2	1030	38.2	0.214
V339391		62	4.2	6.3	1040	38.8	0.526
V339392		76	12.4	13.9	382	144.5	0.018
V339393		65	1.6	13.4	767	36.2	0.110
V339394		60	1.9	13.0	615	44.4	0.084
V339395		56	2.7	11.9	77	34.4	0.010
V339396		60	5.7	14.2	123	33.6	0.010



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 11-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17138020

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31	CRU-QC
LOG-21	LOG-21d	LOG-23	ME-MS61
ME-OG62	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 14-AUG-2017
Account: ROCKHA

CERTIFICATE WH17138025

Project: Klaza

P.O. No.: 17-016

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 14-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17138025

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Pb-OG62 Pb %	Zn-OG62 Zn %	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	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V339397		4.12			26.8	6.75	1120	560	1.38	3.25	2.13	23.3	45.1	8.5	11	15.60
V339398		6.18			0.13	0.07	2.0	20	<0.05	0.03	21.5	0.09	1.08	1.4	1	0.14
V339399		5.02			0.24	7.39	25.9	2870	1.23	0.24	2.04	0.34	37.9	9.7	10	14.25
V339400		6.64			24.2	7.27	423	1180	1.15	7.40	1.86	83.5	45.8	5.9	12	17.60
V339401		5.14	1.205	1.185	51.8	6.57	903	540	1.27	4.70	2.42	188.5	42.0	7.1	8	21.9
V339402		0.32			39.0	5.83	2520	660	1.21	34.6	1.63	45.2	33.6	17.7	24	9.67
V339403		5.26			2.22	7.15	174.5	500	1.43	0.62	1.80	10.30	50.4	9.2	11	16.25
V339404		3.80			1.33	7.51	240	1730	1.62	0.58	2.12	3.75	49.2	7.9	13	13.45
V339405		6.00			0.03	0.07	0.9	50	<0.05	0.04	20.9	0.09	1.06	1.4	1	0.16
V339406		4.14			0.14	7.03	25.8	1900	1.36	0.20	2.31	0.75	34.7	5.2	12	14.30
V339407		2.24			0.34	6.98	41.6	1740	1.25	0.33	2.02	1.62	33.3	5.8	11	14.10
V339408		10.30			0.91	7.24	44.5	1290	1.27	1.04	2.32	1.95	44.8	8.5	10	20.6
V339409		8.04			0.42	7.13	115.0	1720	1.42	0.59	2.78	0.69	46.2	7.0	12	18.80
V339410		0.36			9.07	6.57	1765	400	1.29	5.75	1.81	41.1	39.9	17.4	21	15.50
V339411		8.92			5.12	7.90	820	2060	1.63	3.03	0.47	10.25	54.6	6.9	16	14.60
V339412		8.18			0.85	8.28	41.8	2770	1.74	0.70	0.51	8.60	55.2	8.6	14	17.00
V339413		5.46			1.58	8.93	56.9	2300	1.57	0.39	0.26	8.82	72.5	8.2	10	12.20
V339414		3.18			0.30	8.39	19.3	3800	1.37	0.50	0.28	8.61	55.1	10.7	14	13.20
V339415		<0.02			0.24	7.95	17.2	3610	1.38	0.47	0.27	8.25	51.1	10.0	11	12.40
V339416		5.26			0.31	7.88	14.2	2380	1.82	0.39	1.38	3.51	50.7	7.3	11	12.45
V339417		6.22			0.82	7.94	77.2	1440	1.37	0.49	1.05	3.61	55.5	9.1	12	12.50
V339418		5.22			1.31	7.41	57.1	1320	1.44	1.43	2.12	4.12	48.6	6.1	18	11.90
V339419		5.88			0.54	7.11	12.0	300	1.42	0.74	2.04	1.70	30.3	12.0	15	11.85
V339420		6.66			11.65	6.16	132.0	370	1.23	3.82	1.40	34.0	48.3	6.3	14	13.25
V339421		5.02			0.19	8.06	13.9	2070	1.18	0.35	1.08	0.31	54.1	5.6	15	9.88
V339422		9.40			91.6	6.39	1080	180	1.44	92.5	1.32	61.3	46.5	12.9	15	12.80
V339423		8.52			1.04	7.49	42.1	1780	1.59	1.43	2.42	3.74	43.3	7.4	16	8.65
V339424		8.94			0.85	6.93	27.4	1060	1.31	0.84	2.36	3.08	63.2	8.9	16	9.93
V339425		3.00			86.5	6.32	1690	180	1.17	87.1	1.65	61.4	38.9	7.9	16	13.60
V339426		5.18			0.55	6.97	29.8	1380	1.70	0.45	2.39	1.89	41.8	5.5	16	22.9
V339427		9.52			0.25	7.53	13.2	2320	1.49	0.42	2.55	0.45	49.1	6.7	14	10.15
V339428		10.26			0.43	7.35	23.3	2040	1.41	0.38	2.63	3.72	49.0	6.3	17	10.70
V339429		5.30			0.36	7.48	12.3	2200	1.44	0.29	2.54	2.01	45.6	5.6	14	8.79
V339430		2.92			0.36	7.64	12.1	2160	1.47	0.25	2.55	2.06	48.8	5.8	13	8.93
V339431		3.06			0.11	7.37	11.3	2260	1.33	0.32	2.57	0.38	42.0	7.6	14	9.70
V339432		6.60			1.45	7.27	55.2	1290	1.65	0.92	2.46	7.67	51.5	7.7	15	11.60



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 14-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17138025

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm	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
		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
V339397		401	4.98	14.70	0.06	1.4	0.479	2.89	23.8	16.8	0.89	1120	2.49	0.04	6.8	2.8
V339398		4.6	0.47	0.42	0.08	<0.1	<0.005	0.02	0.5	1.0	13.25	204	0.14	0.01	0.2	2.0
V339399		38.0	2.92	16.65	0.09	1.2	0.055	1.68	18.6	176.0	0.69	721	1.95	0.03	8.5	2.3
V339400		1175	3.82	15.30	0.08	1.1	0.298	1.81	24.6	124.5	0.69	1010	1.40	0.04	7.5	2.3
V339401		415	3.77	13.50	0.07	1.0	3.91	2.44	22.4	41.5	0.73	1260	26.6	0.03	6.3	2.2
V339402		1165	9.21	13.45	0.05	0.9	1.495	2.61	18.2	15.9	0.70	2320	17.90	0.06	4.8	14.9
V339403		20.8	3.54	14.80	0.12	1.2	0.231	3.17	27.4	13.0	0.66	3330	3.38	0.03	6.9	2.1
V339404		16.5	3.28	16.30	0.13	1.3	0.081	2.98	26.2	13.5	0.67	899	1.43	1.45	7.9	2.6
V339405		5.6	0.48	0.35	0.08	<0.1	0.005	0.03	0.5	1.1	12.80	206	0.10	0.01	0.1	1.7
V339406		7.8	2.80	16.90	0.09	1.1	0.065	2.75	16.4	164.5	0.58	815	1.09	0.08	8.3	1.9
V339407		19.0	2.76	16.20	0.11	1.1	0.103	2.78	15.9	158.0	0.52	796	0.99	0.07	8.4	1.9
V339408		32.6	3.40	15.70	0.11	1.1	0.119	3.01	22.9	66.4	0.67	1240	1.11	0.39	7.5	2.4
V339409		14.3	3.33	15.50	0.12	1.1	0.091	3.23	24.8	48.7	0.81	1400	1.38	0.19	7.4	2.5
V339410		106.5	5.13	14.55	0.07	1.3	0.878	2.81	20.6	23.5	0.70	1950	12.00	0.26	7.2	15.4
V339411		92.6	3.04	16.10	0.13	1.3	0.546	3.56	30.6	26.3	0.24	1140	3.21	0.93	7.2	2.4
V339412		63.0	3.20	17.40	0.13	1.1	0.138	3.26	30.8	67.6	0.29	1100	2.81	0.75	8.3	3.6
V339413		75.0	3.45	18.45	0.17	1.2	0.705	3.57	32.4	37.1	0.45	888	1.58	0.24	9.2	2.5
V339414		20.5	2.89	18.30	0.18	1.2	0.070	2.94	31.0	77.1	0.16	1220	2.84	0.21	9.0	3.4
V339415		18.6	2.74	16.90	0.13	1.1	0.063	2.79	28.8	73.2	0.15	1140	2.46	0.20	8.4	3.2
V339416		8.2	3.30	17.10	0.17	1.1	0.188	2.99	27.8	24.0	0.56	798	1.56	1.68	8.7	2.8
V339417		8.9	3.51	16.80	0.19	1.0	0.078	3.31	30.9	29.9	0.43	674	2.38	0.44	7.8	2.7
V339418		12.3	2.69	16.25	0.16	1.0	0.232	3.04	25.6	56.9	0.85	923	3.08	0.05	5.7	2.3
V339419		8.8	3.41	15.25	0.16	1.2	0.045	3.14	15.0	31.8	1.01	802	4.62	0.04	4.4	2.9
V339420		216	2.86	13.90	0.13	1.1	0.960	2.68	25.5	37.2	0.68	939	15.30	0.03	4.5	3.1
V339421		19.8	2.66	16.45	0.15	1.3	0.051	2.51	29.8	39.3	0.47	730	1.86	0.08	8.4	2.1
V339422		2050	6.43	14.35	0.12	1.9	1.980	2.29	24.3	95.3	0.63	1040	37.2	0.02	7.2	3.9
V339423		50.7	3.12	17.10	0.16	1.2	0.152	3.37	21.5	24.1	0.56	890	7.07	0.52	8.4	2.5
V339424		10.5	2.67	15.30	0.13	1.0	0.104	3.37	36.7	14.2	0.58	951	24.4	0.13	6.9	2.8
V339425		2190	6.97	13.15	0.09	0.9	2.47	2.85	21.6	14.9	0.61	1090	2.85	0.03	5.4	2.6
V339426		14.0	2.63	15.70	0.12	1.2	0.069	2.95	22.0	153.0	0.60	1090	2.52	0.06	7.7	2.2
V339427		12.2	2.90	15.50	0.13	1.2	0.056	2.89	27.2	14.1	0.73	581	1.52	1.97	7.9	2.6
V339428		16.3	3.09	15.80	0.13	1.1	0.082	2.84	26.8	12.8	0.75	756	1.44	1.78	7.7	2.5
V339429		18.5	2.86	15.35	0.13	0.9	0.065	2.75	25.5	12.7	0.75	688	1.67	1.99	7.5	2.5
V339430		15.2	2.90	15.65	0.14	0.9	0.063	2.84	28.3	13.6	0.77	723	1.51	2.01	7.7	2.3
V339431		19.4	2.86	15.70	0.13	0.9	0.064	2.68	22.8	22.3	0.71	551	1.51	1.34	7.7	2.4
V339432		88.9	3.76	15.60	0.12	0.9	0.145	3.18	28.3	15.8	0.65	918	2.28	1.12	7.3	2.7



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 14-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17138025

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
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	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 0.01	% 0.005	ppm 0.02
V339397		510	1120	179.5	<0.002	3.84	97.0	8.2	1	2.8	105.5	0.57	0.13	11.30	0.212	2.80
V339398		200	2.5	1.1	<0.002	<0.01	0.20	0.2	1	<0.2	48.4	<0.05	<0.05	0.09	<0.005	<0.02
V339399		620	13.8	59.1	<0.002	0.30	26.9	9.6	1	1.6	182.0	0.76	<0.05	11.95	0.259	1.44
V339400		580	2180	89.1	<0.002	1.69	188.0	9.4	1	1.8	164.0	0.69	0.07	13.05	0.231	1.39
V339401		490	>10000	141.0	<0.002	2.99	51.3	8.4	2	3.0	151.5	0.54	<0.05	10.85	0.199	2.14
V339402		450	1680	149.5	0.003	7.91	104.0	8.1	2	10.7	63.5	0.42	0.75	8.52	0.168	2.29
V339403		550	642	176.0	<0.002	2.14	15.30	9.4	1	3.3	55.4	0.60	0.12	12.05	0.224	3.24
V339404		590	345	141.5	<0.002	0.87	5.08	10.1	1	3.0	261	0.66	0.11	13.25	0.244	1.90
V339405		180	3.7	1.2	<0.002	<0.01	0.21	0.2	1	<0.2	46.5	<0.05	<0.05	0.08	<0.005	<0.02
V339406		620	59.4	85.7	<0.002	0.35	3.63	9.7	<1	2.0	346	0.69	<0.05	10.15	0.271	1.90
V339407		630	98.2	95.0	<0.002	0.54	4.72	9.8	1	2.4	314	0.69	<0.05	9.66	0.271	1.88
V339408		590	115.0	142.5	<0.002	1.78	10.45	10.1	1	2.1	191.0	0.65	0.35	12.05	0.240	2.48
V339409		560	50.6	161.0	<0.002	1.31	8.64	9.7	1	1.9	155.0	0.62	0.12	12.15	0.233	2.67
V339410		490	1335	153.5	<0.002	3.07	32.0	8.4	1	5.7	146.0	0.60	0.34	10.70	0.204	2.51
V339411		490	638	167.0	<0.002	0.27	9.92	8.6	1	2.1	145.0	0.67	0.16	22.1	0.203	2.36
V339412		620	142.0	158.0	<0.002	0.15	10.85	11.1	1	2.0	145.5	0.73	0.13	16.20	0.256	2.03
V339413		640	590	160.0	<0.002	0.10	11.40	11.8	1	2.5	68.9	0.80	<0.05	18.55	0.278	1.95
V339414		650	41.9	123.5	<0.002	0.49	20.8	12.0	1	1.9	116.0	0.86	0.12	14.75	0.267	1.49
V339415		610	38.3	115.0	<0.002	0.45	19.50	11.2	1	1.8	109.0	0.77	0.12	13.90	0.255	1.32
V339416		620	102.5	126.0	<0.002	0.18	3.41	10.9	1	1.9	255	0.81	0.06	14.30	0.255	1.39
V339417		580	311	162.0	<0.002	1.59	8.36	10.2	1	2.6	104.0	0.71	0.08	14.95	0.242	2.02
V339418		550	282	142.0	<0.002	1.67	10.20	9.4	1	2.1	101.5	0.46	0.14	13.50	0.175	2.46
V339419		550	33.3	156.5	<0.002	3.05	15.55	9.9	1	1.1	111.5	0.40	0.28	11.65	0.151	2.36
V339420		470	3350	147.0	<0.002	2.54	80.2	8.1	1	2.3	104.0	0.38	0.13	11.10	0.148	2.33
V339421		580	26.3	112.5	<0.002	0.44	25.6	10.0	1	1.7	68.5	0.77	0.06	17.00	0.236	1.39
V339422		650	2700	126.0	<0.002	5.65	606	7.4	2	5.2	201	0.59	0.89	9.90	0.218	2.20
V339423		610	128.5	144.5	<0.002	1.30	11.65	10.5	1	3.4	146.0	0.71	0.14	12.70	0.257	2.30
V339424		560	134.5	167.5	<0.002	1.56	6.95	8.8	1	2.5	78.7	0.57	0.17	12.00	0.213	2.73
V339425		460	5430	161.0	<0.002	6.81	150.5	7.9	1	4.9	52.3	0.47	0.53	10.70	0.179	2.47
V339426		570	93.1	119.5	<0.002	0.51	14.95	8.8	1	1.8	120.5	0.66	0.10	11.80	0.239	2.56
V339427		600	29.1	116.0	<0.002	0.40	3.03	9.4	1	1.7	316	0.67	0.11	13.15	0.243	1.32
V339428		600	170.0	119.0	<0.002	0.47	2.24	9.7	1	2.2	293	0.60	0.05	13.05	0.244	1.47
V339429		590	125.5	107.5	<0.002	0.30	1.88	9.4	1	1.9	339	0.56	0.05	12.55	0.245	1.23
V339430		590	143.5	115.5	<0.002	0.30	1.75	9.5	1	2.0	341	0.58	0.06	13.50	0.251	1.33
V339431		600	22.7	96.3	<0.002	0.27	3.75	9.4	1	1.9	242	0.54	0.09	11.15	0.259	1.26
V339432		580	440	150.0	<0.002	1.70	5.04	9.6	1	2.8	222	0.55	0.27	12.20	0.231	2.02



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 14-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17138025

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	Au-AA24 Au ppm 0.005
V339397		4.9	58	4.9	11.6	1600	44.0	0.508
V339398		0.6	2	0.1	0.7	18	<0.5	<0.005
V339399		2.3	70	3.2	13.3	70	31.9	0.008
V339400		2.6	62	3.7	15.2	5910	28.6	0.196
V339401		5.7	55	3.1	13.5	>10000	28.6	0.559
V339402		5.6	57	7.9	9.7	3370	24.5	1.740
V339403		3.4	62	3.8	11.4	825	32.1	0.127
V339404		4.8	67	4.8	14.9	420	37.1	0.021
V339405		0.5	2	0.1	0.7	20	<0.5	<0.005
V339406		2.1	74	2.0	10.5	104	30.5	0.008
V339407		2.1	73	2.0	9.7	204	29.7	0.015
V339408		4.3	66	2.6	14.0	190	30.1	0.026
V339409		4.6	65	2.5	15.0	99	31.1	0.028
V339410		5.1	57	5.1	10.8	2990	38.6	0.748
V339411		5.2	56	2.6	12.7	1100	33.6	0.625
V339412		4.6	72	1.8	16.0	1180	25.9	0.032
V339413		3.7	74	3.5	15.7	1150	28.3	0.078
V339414		3.9	75	3.2	20.2	875	26.5	0.011
V339415		3.6	71	3.0	19.2	832	24.2	0.008
V339416		3.2	68	1.5	17.5	671	25.5	0.008
V339417		3.1	66	2.5	14.1	490	24.2	0.021
V339418		4.1	61	2.5	10.0	501	26.7	0.058
V339419		4.1	71	2.3	10.2	205	32.3	0.011
V339420		4.7	57	2.6	10.5	3440	32.9	0.436
V339421		4.2	62	3.1	15.1	70	33.1	0.010
V339422		6.4	55	3.6	10.5	6000	66.3	1.540
V339423		3.9	71	3.1	13.3	421	32.7	0.102
V339424		4.2	64	1.5	12.7	315	30.5	0.010
V339425		3.7	57	2.9	12.7	6400	28.4	3.70
V339426		3.6	66	2.0	13.3	271	35.8	0.008
V339427		3.3	67	1.5	17.2	132	36.6	0.008
V339428		3.3	68	1.2	17.1	406	32.6	0.021
V339429		3.1	67	1.0	16.3	239	27.4	0.007
V339430		3.6	68	1.1	16.8	231	29.3	0.006
V339431		1.7	69	1.8	15.9	147	27.6	0.007
V339432		2.9	68	2.1	14.5	852	29.2	0.031



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 14-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17138025

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31	CRU-QC
LOG-21	LOG-21d	LOG-23	ME-MS61
ME-OG62	Pb-OG62	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21
Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 13-AUG-2017
Account: ROCKHA

CERTIFICATE WH17138031

Project: Klaza

P.O. No.: RO3

This report is for 5 Drill Core samples submitted to our lab in Whitehorse, YT,
Canada on 4-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

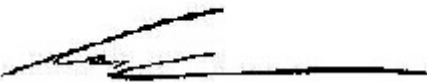
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: ROCKHAVEN RESOURCES LTD.
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 13-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17138031

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V341983		2.06	0.48	7.52	20.1	1010	1.09	12.65	0.13	0.09	50.1	3.9	14	7.79	196.0	3.57
V341984		2.22	0.49	7.44	52.0	910	1.26	14.85	0.15	0.07	45.1	3.5	10	9.37	376	3.84
V341985		1.32	0.89	8.58	1920	1020	1.34	4.51	0.21	0.66	56.9	6.7	41	22.1	100.0	4.66
V341986		0.68	0.12	5.80	42.5	200	0.52	1.70	0.10	0.04	22.0	4.0	14	2.23	6.9	5.20
V341987		0.68	0.09	8.10	288	810	1.96	0.17	0.46	0.45	62.8	15.4	19	15.00	26.7	3.08



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Page: 2 - B
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 13-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17138031

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
V341983		16.15	0.12	0.7	0.083	3.01	27.6	21.8	0.41	60	9.00	0.08	3.4	4.3	520	13.4
V341984		14.65	0.12	0.7	0.114	2.44	24.8	34.4	0.39	61	9.31	0.10	2.6	5.7	710	11.4
V341985		18.70	0.12	3.5	0.290	3.39	30.0	15.4	0.27	356	3.08	0.05	9.3	11.4	570	44.2
V341986		12.25	0.10	1.7	0.052	1.00	12.6	8.8	0.75	545	10.85	2.52	3.6	2.8	370	5.9
V341987		19.90	0.11	4.6	0.036	2.89	32.9	20.1	0.19	3350	3.05	0.03	11.3	13.5	1620	18.6



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Page: 2 - C
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 13-AUG-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17138031

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V341983		158.0	0.003	1.57	28.4	10.9	6	7.7	181.0	0.32	0.47	10.10	0.131	2.35	2.8	78
V341984		137.5	0.003	1.26	46.9	10.0	7	5.0	235	0.27	0.75	13.75	0.115	2.23	3.6	73
V341985		177.5	<0.002	0.55	75.1	19.4	1	2.1	123.5	0.64	0.85	15.90	0.442	7.40	3.6	154
V341986		69.6	0.002	0.25	5.22	15.7	1	1.0	68.8	0.25	0.21	4.52	0.275	0.85	1.2	126
V341987		116.5	0.002	0.01	36.7	7.6	1	1.2	96.2	0.73	<0.05	9.84	0.367	5.28	5.7	81



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Plus Appendix Pages
Finalized Date: 13-AUG-2017
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CERTIFICATE OF ANALYSIS	WH17138031
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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		W	Y	Zn	Zr	Au
		ppm	ppm	ppm	ppm	ppm
		0.1	0.1	2	0.5	0.005
V341983		15.7	4.0	26	18.7	0.015
V341984		13.4	3.9	28	18.7	0.022
V341985		5.8	16.5	320	121.0	0.011
V341986		2.3	6.2	22	68.7	0.005
V341987		3.4	23.7	117	187.0	<0.005

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



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 13-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17138031

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 BAG-06 CRU-31 LOG-21
ME-MS61 PUL-31 PUL-QC SPL-21
WEI-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

CERTIFICATE WH17139659

Project: Klaza

P.O. No.: 18-000

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
PUL-35a	Pulv 1 kg split to 95%<106 um
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
BAG-01	Bulk Master for Storage
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

ANALYTICAL PROCEDURES

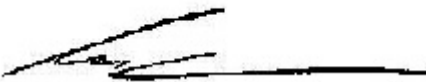
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Aq-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139659

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA24 Au ppm	Au-GRA22 Au ppm	Ag-OG62 Ag ppm	Cu-OG62 Cu %	Pb-OG62 Pb %	Zn-OG62 Zn %	As-OG62 As %	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 %
		0.02	0.005	0.05	1	0.001	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01
V341651		1.93	>10.0	12.75	223		1.395	1.165	8.06	>100	3.57	>10000	250	0.80	8.92	1.43
V341652		3.82	>10.0	14.75	167			1.160	3.70	>100	2.26	>10000	120	0.65	6.20	0.90
V341653		2.21	>10.0	11.55	305		6.39	4.53	4.86	>100	3.36	>10000	710	0.68	113.0	0.79
V341654		1.43	6.26					3.26	1.980	32.6	5.03	>10000	380	1.17	5.83	1.23
V341655		5.35	1.895							5.21	6.63	2220	690	1.75	0.90	1.96
V341656		6.52	1.775					1.555		13.15	6.04	3950	650	1.17	1.42	1.32
V341657		5.93	<0.005							0.10	0.06	14.9	30	0.05	0.04	20.8
V341658		6.92	2.83				1.055	1.175		41.6	5.47	3600	330	0.93	7.95	0.31
V341659		3.64	1.090				2.49			79.2	6.67	5420	290	1.36	2.27	1.03
V341660		6.09	<0.005							0.23	0.07	9.3	30	<0.05	0.08	20.9
V341661		5.66	1.290							12.85	7.17	184.0	1100	1.42	3.85	2.51
V341662		4.20	0.769							13.20	6.03	724	220	1.39	1.63	3.15
V341663		5.71	4.28		305			1.195		>100	3.76	5580	270	1.15	13.10	1.29
V341664		7.53	0.266							6.95	6.69	223	780	1.26	2.44	1.67
V341665		4.28	0.175							5.88	4.21	384	900	1.18	0.50	2.25
V341666		0.33	1.630							38.7	5.77	2390	190	1.23	39.6	1.67
V341667		3.86	1.145							37.7	6.18	477	420	1.47	38.8	1.38
V341668		5.22	1.240							47.5	5.38	733	700	1.08	47.2	0.69
V341669		5.43	2.43				2.04	1.705		91.1	4.86	904	1320	0.88	47.0	0.09
V341670		4.27	2.96		146			5.15		>100	5.98	8940	240	1.82	8.87	1.59
V341671		0.17	>10.0	13.90	132	2.80	2.50	15.35		>100	4.70	173.5	580	0.56	2.08	2.14
V341672		6.17	3.64		109		1.105	2.72		>100	4.46	4820	1070	1.24	47.0	1.87
V341673		1.38	>10.0	11.00	203		6.35	7.77	7.53	>100	1.74	>10000	560	0.38	45.4	0.53
V341674		4.53	0.552							5.19	6.62	415	170	1.64	7.13	1.79
V341675		<0.02	0.625							5.00	6.55	321	180	1.28	6.73	1.81
V341676		1.93	>10.0	21.2	244		1.100	4.92	5.81	>100	0.67	>10000	60	0.19	385	0.41
V341677		3.28	5.56		412	1.145				>100	4.16	3540	110	1.40	142.0	1.01
V341678		6.98	4.67					1.690		48.6	5.88	4670	800	1.33	24.3	0.56
V341679		2.22	4.66					3.31		40.5	3.87	1975	340	1.00	57.7	0.30
V341680		2.53	>10.0	14.35					2.30	93.5	1.10	>10000	100	0.39	69.7	1.27
V341681		1.96	3.44		142				1.515	>100	2.12	>10000	90	0.54	43.1	1.33
V341682		2.48	2.16							42.4	5.38	1295	280	1.33	84.2	2.45
V341683		<0.02	2.39							45.4	5.45	1265	210	1.20	74.7	2.47
V341684		1.97	6.75							35.5	5.47	1370	200	1.30	11.85	0.45
V341685		1.79	6.17							77.5	3.32	1830	120	1.03	127.0	3.35
V341686		2.46	0.456							39.0	6.32	332	590	1.26	34.0	2.37



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139659

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
		Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2
V341651		134.0	25.2	4.0	10	16.50	517	14.40	9.62	0.27	1.0	0.712	1.31	13.1	23.1
V341652		153.0	13.75	16.7	12	4.42	318	13.20	6.12	0.22	0.5	0.501	0.98	6.8	18.3
V341653		408	32.4	3.6	8	2.42	1995	13.20	9.29	0.24	0.5	2.55	1.63	14.8	9.0
V341654		462	23.7	8.1	7	11.60	337	7.56	12.85	0.18	1.2	1.015	2.25	11.5	26.8
V341655		36.3	44.9	7.3	8	16.85	65.5	3.90	14.75	0.13	1.1	0.138	2.78	23.3	23.5
V341656		222	32.1	12.4	9	12.25	122.0	6.40	14.05	0.19	0.8	1.220	2.71	15.9	16.9
V341657		0.55	1.12	1.9	<1	0.14	4.0	0.45	0.22	0.09	<0.1	<0.005	0.02	0.5	0.9
V341658		169.0	23.9	5.7	9	8.34	237	5.47	12.10	0.17	0.8	1.280	2.43	9.2	19.3
V341659		50.2	52.5	7.3	9	7.23	361	6.43	15.00	0.18	1.3	0.492	3.20	28.9	6.9
V341660		0.34	1.05	1.9	<1	0.17	5.3	0.48	0.22	0.05	<0.1	0.010	0.03	0.5	0.9
V341661		6.19	49.6	8.2	9	12.05	538	4.13	16.00	0.17	1.4	0.491	3.14	25.1	17.6
V341662		50.2	31.9	9.1	8	16.95	351	4.75	14.95	0.13	1.1	0.953	2.86	15.1	16.7
V341663		157.0	16.95	11.4	9	7.24	3290	11.50	9.15	0.22	0.7	5.14	1.68	8.6	16.2
V341664		26.9	35.6	12.8	10	12.35	61.9	5.74	14.90	0.17	0.9	0.251	3.10	17.6	12.8
V341665		13.45	36.3	6.9	8	17.10	92.9	3.78	9.73	0.13	1.0	0.121	1.45	19.2	70.4
V341666		45.2	35.5	17.3	22	9.52	1170	9.27	14.25	0.19	0.9	1.535	2.64	16.8	16.6
V341667		97.4	41.2	11.8	8	13.45	763	6.48	14.00	0.15	1.4	2.76	2.65	20.8	19.1
V341668		48.8	30.7	9.6	11	9.52	891	6.59	12.40	0.16	0.9	1.190	2.43	15.3	23.0
V341669		172.5	8.99	63.4	8	5.09	608	13.70	12.35	0.23	0.8	4.26	2.18	4.1	10.7
V341670		789	49.5	7.0	13	12.65	1675	7.14	16.15	0.18	2.8	22.1	1.49	23.6	242
V341671		863	17.70	61.5	49	1.29	>10000	10.00	17.05	0.26	0.6	3.15	0.87	8.8	6.9
V341672		282	32.7	11.6	8	12.05	1575	7.20	10.20	0.18	0.9	9.94	1.78	16.4	27.7
V341673		744	9.91	19.5	5	1.62	2550	17.75	5.28	0.28	0.3	16.05	0.84	5.0	7.4
V341674		10.60	42.5	7.3	9	9.17	122.5	5.59	14.95	0.18	1.3	0.371	3.24	20.2	16.8
V341675		9.85	41.6	6.7	8	8.91	130.0	5.25	14.50	0.15	1.2	0.359	3.25	19.7	17.5
V341676		444	2.33	8.4	9	0.85	3170	32.8	2.71	0.48	0.1	17.10	0.32	1.3	4.7
V341677		22.3	31.2	56.3	9	9.85	>10000	15.30	10.85	0.26	0.7	4.54	1.90	13.2	13.5
V341678		239	89.2	5.3	10	9.76	676	7.04	13.80	0.21	0.8	3.03	2.63	50.4	62.1
V341679		386	18.90	10.3	7	5.05	491	14.30	10.15	0.27	0.5	6.27	1.82	9.2	17.1
V341680		57.4	5.36	25.1	9	3.38	3720	14.10	3.22	0.26	0.1	1.970	0.47	3.0	38.6
V341681		73.0	12.15	34.5	13	2.58	5390	21.1	5.29	0.37	0.3	4.74	0.99	6.2	15.1
V341682		15.40	37.3	9.6	8	14.55	405	7.92	11.95	0.17	0.8	0.645	2.16	17.8	33.7
V341683		16.50	38.5	8.0	8	16.60	396	7.98	10.50	0.08	0.7	0.664	2.19	19.1	30.2
V341684		45.3	38.0	8.0	10	8.34	1030	6.65	10.75	0.05	0.8	1.865	2.63	21.4	9.3
V341685		28.1	24.4	16.8	8	11.60	851	12.10	6.57	0.06	0.8	1.205	1.18	10.6	27.2
V341686		97.0	42.1	9.2	8	13.15	2510	6.42	12.10	0.07	0.9	2.53	2.76	23.3	8.9



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Page: 2 - C
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CERTIFICATE OF ANALYSIS WH17139659

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
		Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn
		ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2
V341651		8270	2.63	0.02	3.4	4.5	230	>10000	81.2	<0.002	>10.0	645	3.8	2	7.9
V341652		20900	6.21	0.01	2.2	2.6	160	8240	58.4	<0.002	>10.0	378	3.0	2	5.1
V341653		1540	1.11	0.01	3.0	1.6	210	>10000	99.2	<0.002	>10.0	741	4.3	6	14.0
V341654		1200	14.65	0.02	5.1	2.5	370	7520	126.5	<0.002	7.46	92.5	6.6	4	11.4
V341655		5360	5.97	0.02	6.6	2.7	530	865	168.0	<0.002	2.66	51.5	10.1	2	3.0
V341656		2060	8.38	0.02	5.9	3.1	440	2730	163.5	<0.002	6.41	68.4	8.6	3	4.1
V341657		203	0.36	<0.01	0.1	1.1	180	12.1	1.2	<0.002	0.01	0.30	0.2	2	<0.2
V341658		419	57.3	0.02	5.0	2.6	360	>10000	141.0	0.002	5.82	141.0	6.6	2	5.0
V341659		1200	12.85	0.03	5.7	2.5	500	>10000	205	<0.002	6.45	192.0	9.4	2	7.2
V341660		201	0.92	<0.01	0.1	1.3	200	48.7	1.6	<0.002	0.03	0.54	0.2	2	<0.2
V341661		1340	1.77	0.44	7.4	2.7	550	339	162.5	<0.002	2.20	32.9	10.1	1	4.0
V341662		1160	6.14	0.03	6.3	2.7	530	2100	146.5	<0.002	4.19	69.2	8.2	2	4.4
V341663		578	9.93	0.02	2.9	2.7	240	3640	105.0	<0.002	>10.0	630	4.6	2	9.8
V341664		1140	6.67	0.03	4.0	2.8	500	980	188.5	<0.002	5.67	25.1	9.1	2	4.6
V341665		1420	59.3	0.02	4.4	2.9	360	2070	84.4	<0.002	1.39	142.5	4.9	2	2.3
V341666		2330	17.25	0.06	4.8	14.6	440	1670	151.5	0.002	7.75	106.5	8.3	3	11.0
V341667		987	4.62	0.04	6.1	3.1	460	2880	161.5	<0.002	5.97	120.0	7.8	3	5.6
V341668		601	17.10	0.03	5.0	2.7	380	2380	156.0	<0.002	6.52	145.5	7.2	2	5.4
V341669		163	1.72	0.05	2.9	4.0	240	>10000	144.0	<0.002	>10.0	113.5	7.0	4	9.2
V341670		834	4.25	0.02	7.4	3.8	800	1080	89.3	<0.002	7.43	313	5.6	6	15.1
V341671		1760	160.5	1.15	2.1	19.0	580	>10000	27.7	0.066	>10.0	188.0	11.2	26	19.1
V341672		2570	12.10	0.02	4.6	2.3	340	>10000	111.0	<0.002	7.26	214	6.2	5	5.0
V341673		917	1.64	0.01	1.5	2.0	120	>10000	52.5	<0.002	>10.0	405	2.3	10	6.6
V341674		1260	1.04	0.06	6.8	3.2	490	882	185.0	<0.002	4.98	17.55	10.1	1	7.5
V341675		1260	0.70	0.06	6.5	2.4	500	815	177.5	<0.002	4.90	16.75	9.7	1	7.0
V341676		418	4.60	<0.01	0.5	0.9	20	>10000	19.3	<0.002	>10.0	279	1.0	11	7.2
V341677		813	1.74	0.03	3.9	5.2	300	3840	120.0	<0.002	>10.0	549	6.1	2	13.1
V341678		941	3.65	0.03	5.3	2.7	420	8350	165.5	<0.002	6.78	87.5	8.1	3	15.8
V341679		415	32.8	0.02	3.3	3.1	240	2560	121.0	<0.002	>10.0	91.4	5.4	5	11.6
V341680		394	4.52	0.01	0.8	2.5	60	2010	29.6	<0.002	>10.0	789	1.7	3	10.7
V341681		1160	3.29	0.01	1.7	2.6	130	920	68.9	<0.002	>10.0	390	3.0	4	6.7
V341682		2530	8.25	0.06	5.7	2.5	420	1000	140.5	<0.002	6.57	65.6	8.4	2	3.3
V341683		2470	8.56	0.06	5.5	2.2	420	988	133.5	0.002	6.74	67.4	7.5	1	3.1
V341684		1170	2.81	0.03	4.7	2.6	380	3430	158.5	<0.002	6.67	79.7	6.2	1	8.7
V341685		1020	2.62	0.02	3.0	3.3	270	1275	72.9	<0.002	>10.0	75.7	3.3	1	4.9
V341686		2670	1.55	0.18	5.8	2.3	490	2770	139.5	<0.002	4.69	17.40	7.9	1	6.1



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139659

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
		Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
		ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 2
V341651		0.27	0.30	5.31	0.102	1.38	4.2	28	3.2	6.3	>10000
V341652		0.18	0.99	3.35	0.067	1.11	3.3	21	3.0	5.2	>10000
V341653		0.23	0.77	5.47	0.102	1.49	2.0	29	4.5	5.2	>10000
V341654		0.42	0.32	7.67	0.167	2.33	6.4	44	4.1	9.5	>10000
V341655		0.48	0.11	10.90	0.232	2.92	7.2	65	5.6	11.6	2640
V341656		0.46	0.28	9.17	0.190	2.93	5.0	53	3.8	9.8	>10000
V341657		<0.05	<0.05	0.11	<0.005	<0.02	0.8	1	0.1	0.8	61
V341658		0.41	0.15	7.63	0.168	2.38	7.3	49	5.8	7.5	>10000
V341659		0.46	0.43	12.10	0.188	2.65	3.1	58	3.9	9.4	5420
V341660		<0.05	<0.05	0.08	<0.005	<0.02	0.6	2	0.1	0.7	52
V341661		0.58	0.20	12.95	0.231	2.11	4.5	65	2.2	13.1	612
V341662		0.45	0.08	8.97	0.214	2.63	6.6	57	5.2	9.2	3290
V341663		0.22	0.49	5.08	0.098	1.55	4.6	33	2.7	4.9	>10000
V341664		0.35	0.30	11.90	0.144	2.88	3.9	58	3.9	8.7	2000
V341665		0.31	<0.05	7.57	0.141	1.64	11.6	37	4.8	8.3	927
V341666		0.38	0.73	9.18	0.168	2.17	5.8	56	7.4	8.7	3360
V341667		0.47	0.41	10.45	0.196	2.07	5.8	55	3.0	10.9	9040
V341668		0.38	0.59	8.11	0.163	2.29	5.3	49	4.4	7.7	4420
V341669		0.25	1.00	7.50	0.102	1.62	3.4	76	4.9	6.4	>10000
V341670		0.47	0.29	7.75	0.243	1.16	4.1	48	3.6	9.1	>10000
V341671		0.14	0.52	1.92	0.182	7.58	2.4	126	8.2	11.8	>10000
V341672		0.37	0.75	7.54	0.141	1.80	5.2	40	2.8	9.8	>10000
V341673		0.12	0.79	3.11	0.050	0.74	1.1	17	1.9	3.7	>10000
V341674		0.57	0.22	11.30	0.211	2.41	4.8	60	2.5	10.0	1310
V341675		0.54	0.15	11.15	0.205	2.34	4.6	59	2.4	9.4	1220
V341676		<0.05	5.26	1.00	0.015	0.39	0.5	8	1.1	2.3	>10000
V341677		0.30	3.91	5.18	0.128	1.48	4.4	39	3.1	6.7	1740
V341678		0.43	0.19	9.76	0.173	2.47	3.9	53	4.4	10.6	>10000
V341679		0.25	1.68	5.70	0.108	1.51	5.4	36	2.7	6.5	>10000
V341680		0.06	1.92	1.62	0.025	0.59	5.7	12	1.3	3.8	4080
V341681		0.12	1.82	3.42	0.054	0.92	1.9	20	1.5	4.4	5370
V341682		0.42	0.50	9.22	0.172	2.31	4.0	48	3.7	12.9	1270
V341683		0.43	0.59	8.34	0.170	2.25	3.6	48	3.2	12.9	1300
V341684		0.41	0.53	8.93	0.160	1.97	3.8	46	3.7	8.4	4560
V341685		0.25	1.67	4.49	0.095	1.18	2.9	30	2.3	7.5	1900
V341686		0.48	0.39	10.15	0.199	2.23	3.5	59	3.6	11.1	7700



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 27-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17139659

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
BAG-01 BAG-06 CRU-32
LOG-21d LOG-22 LOG-23
PUL-35ad PUL-QC SPL-21
WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag-OG62 As-OG62 Au-AA24 Au-GRA22
Cu-OG62 ME-MS61 ME-OG62 Pb-OG62
Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE WH17139660

Project: Klaza

P.O. No.: 17-021

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

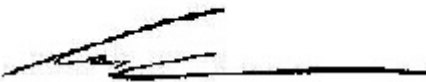
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139660

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V339541		5.34		0.14	6.67	18.8	550	1.49	0.09	2.04	0.27	42.5	8.4	11	28.4	17.6
V339542		6.74		0.10	7.07	14.1	1140	1.28	0.14	1.46	0.24	42.9	5.7	8	17.60	14.4
V339543		5.97		0.02	0.10	<0.2	30	<0.05	0.02	21.0	0.07	1.26	0.9	1	0.59	3.0
V339544		6.03		3.77	5.86	159.5	680	1.47	3.83	1.20	15.80	44.2	6.2	10	17.80	135.0
V339545		0.32		9.85	6.89	1910	350	1.52	6.07	1.97	44.0	44.9	17.9	22	17.10	112.0
V339546		9.46		0.87	7.52	32.2	2680	1.33	0.96	2.54	2.06	32.4	19.6	8	15.90	10.3
V339547		9.29		1.99	6.36	230	510	1.63	3.05	1.46	3.81	24.5	117.0	7	17.15	43.6
V339548		2.24		2.51	7.34	168.0	1090	1.56	2.81	1.61	19.80	41.0	25.6	7	15.75	50.3
V339549		3.15		2.66	6.80	165.0	1390	1.22	2.06	1.97	22.1	38.0	23.5	7	9.32	31.2
V339550		0.32		40.2	5.74	2410	1160	1.07	34.9	1.67	45.1	35.6	16.7	22	10.35	1145
V339551		8.14		1.36	7.54	30.4	900	1.28	0.77	2.84	6.83	36.1	28.9	8	9.57	10.2
V339552		9.53		0.98	6.79	25.1	890	1.27	0.63	2.12	4.05	30.0	18.4	9	11.45	15.8
V339553		<0.02		0.97	7.06	25.1	850	1.33	0.64	2.15	3.76	32.9	18.5	8	12.25	16.1
V339554		11.09		0.90	7.42	21.8	1020	1.42	0.66	2.68	3.44	29.2	20.5	8	11.90	12.7
V339555		7.23		0.85	6.94	21.4	750	1.38	0.42	2.92	5.01	23.9	2.0	8	12.75	9.6
V339556		9.45		1.37	7.24	76.0	1000	1.29	1.45	2.19	7.90	25.6	2.6	10	10.00	26.3
V339557		6.98	2.11	25.8	5.19	228	340	1.15	31.2	1.98	318	32.8	7.1	8	17.65	318
V339558		5.98		0.02	0.07	0.6	40	0.06	0.06	21.1	0.29	1.35	0.6	1	0.17	2.3
V339559		10.45		0.60	7.21	38.2	1800	1.18	0.33	2.75	5.02	52.9	4.9	6	17.85	12.9
V339560		3.06		2.83	4.89	87.9	540	0.88	3.11	3.74	11.80	34.9	5.0	7	13.15	40.1
V339561		2.37		1.46	7.50	163.0	1240	1.65	1.37	1.78	3.62	48.2	8.2	9	17.00	69.9
V339562		5.11		0.11	7.26	10.8	2190	1.40	0.21	2.81	0.19	40.7	7.2	10	16.35	12.3
V339563		1.72		0.10	7.30	10.7	2200	1.40	0.22	2.87	0.14	43.9	7.8	9	16.25	8.1
V339564		5.41		0.64	7.01	38.0	1690	1.43	1.10	2.97	1.08	39.6	7.8	11	19.30	58.8
V339565		8.95		0.41	8.38	53.0	1410	1.27	0.31	0.31	8.92	64.2	6.2	9	13.45	100.0
V339566		8.32		0.27	7.86	17.5	1240	1.46	0.21	0.29	14.40	91.4	7.3	8	11.50	45.1
V339567		8.49		13.20	7.59	285	1950	1.57	10.00	0.52	16.25	52.4	5.5	7	14.85	63.5
V339568		3.47		4.30	7.14	3030	790	1.27	1.69	0.12	38.2	51.4	2.3	7	11.45	164.0
V339569		7.33		0.43	7.68	87.4	2070	1.41	0.24	0.63	12.50	50.9	5.1	7	13.70	74.8
V339570		3.82		0.85	7.67	82.2	1980	1.28	0.46	1.04	7.84	44.0	5.6	8	15.25	20.7
V339571		4.14		3.59	7.52	144.5	1080	1.48	5.26	1.21	13.60	51.1	6.0	7	16.75	154.0
V339572		2.60		1.12	7.10	144.0	1770	1.47	0.53	2.41	4.34	40.2	7.8	7	18.20	30.5
V339573		4.55		0.33	7.27	22.0	2150	1.50	0.13	2.41	1.03	39.9	5.6	9	14.50	7.1
V339574		2.08		2.83	6.98	226	1250	1.51	1.37	1.82	14.20	44.9	14.3	7	17.65	56.8
V339575		3.53		0.09	7.25	6.5	2420	1.54	0.14	2.42	0.19	41.6	6.4	10	10.70	4.9
V339576		4.97		4.26	7.23	194.5	980	1.54	3.80	2.05	10.30	46.6	9.8	8	15.25	90.0



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17139660

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
V339541		2.49	14.50	0.07	0.9	0.035	2.07	22.3	183.5	0.68	641	1.59	0.04	7.1	4.7	560
V339542		2.69	14.25	0.08	0.9	0.036	1.82	23.2	181.5	0.52	616	1.37	0.05	7.4	2.2	580
V339543		0.46	0.28	0.05	<0.1	<0.005	0.04	0.6	1.7	13.05	204	0.25	<0.01	0.1	1.4	180
V339544		2.95	12.70	0.08	1.6	0.488	2.30	24.5	62.3	0.54	749	4.33	0.05	5.9	2.9	500
V339545		5.33	15.25	0.08	1.3	0.955	2.99	23.8	24.6	0.73	2120	12.65	0.27	7.3	15.6	540
V339546		2.42	15.35	0.12	1.0	0.130	2.70	15.7	55.5	0.91	884	1.39	0.05	7.6	2.5	660
V339547		5.64	13.50	0.13	1.0	0.192	2.79	10.9	30.1	0.70	711	10.05	0.04	6.0	5.2	470
V339548		4.48	16.20	0.12	1.7	0.940	3.15	20.5	25.7	0.77	879	4.93	0.05	8.7	3.9	560
V339549		4.68	15.45	0.13	0.9	0.524	3.23	18.8	8.5	0.84	1510	3.47	0.04	6.0	3.3	490
V339550		9.06	13.65	0.13	0.9	1.475	2.58	19.1	15.8	0.69	2250	17.45	0.06	4.9	14.0	440
V339551		2.68	15.40	0.12	1.0	0.135	3.48	17.0	12.3	1.02	1600	1.32	0.06	7.1	3.3	620
V339552		2.11	13.85	0.11	0.9	0.079	2.91	14.7	59.8	0.80	1130	2.33	0.04	6.3	2.7	520
V339553		2.11	14.35	0.12	0.9	0.081	2.92	16.4	62.2	0.84	1130	2.34	0.04	6.3	2.5	530
V339554		2.10	15.95	0.14	1.0	0.078	3.31	12.9	63.8	1.00	1340	5.58	0.06	6.7	2.7	580
V339555		1.88	15.65	0.13	0.9	0.090	3.34	9.0	60.2	1.03	1520	3.83	0.05	7.3	1.2	530
V339556		2.75	15.55	0.13	1.0	0.208	3.33	11.1	17.4	0.86	1560	1.97	0.04	7.0	1.5	430
V339557		3.90	12.25	0.12	1.0	13.20	2.12	16.9	68.4	0.71	1400	12.50	0.03	5.4	2.9	390
V339558		0.48	0.21	0.13	<0.1	0.011	0.03	0.6	1.0	13.10	211	0.12	<0.01	0.2	1.5	180
V339559		2.50	14.70	0.15	1.0	0.112	2.48	28.2	174.5	0.97	873	3.14	0.04	7.4	2.0	560
V339560		3.19	10.60	0.10	0.7	0.406	1.97	17.8	68.5	1.08	1440	8.97	0.03	4.8	1.7	380
V339561		3.97	16.50	0.12	1.1	0.113	3.31	24.1	91.5	0.63	1090	3.04	0.23	8.7	2.7	580
V339562		2.93	15.95	0.14	1.1	0.036	2.73	20.4	21.3	0.66	501	2.21	2.18	8.6	2.4	590
V339563		3.01	16.85	0.14	1.1	0.040	2.67	21.7	23.7	0.67	490	3.96	2.22	8.9	2.6	610
V339564		3.41	16.15	0.14	1.0	0.113	2.82	19.9	107.5	0.59	678	1.01	0.60	8.6	2.4	590
V339565		3.25	17.45	0.14	1.2	0.139	2.30	34.5	103.0	0.17	1040	2.74	0.22	8.9	4.1	660
V339566		3.71	17.20	0.15	0.9	0.137	2.73	58.6	130.5	0.20	1200	2.75	0.29	7.5	3.7	650
V339567		4.75	15.95	0.14	1.0	0.285	3.10	28.6	31.8	0.33	1120	3.02	0.52	7.8	2.9	550
V339568		5.88	15.95	0.13	1.0	1.345	3.37	29.6	13.4	0.25	359	5.35	0.03	6.4	1.3	390
V339569		3.28	16.50	0.14	1.1	0.131	2.91	26.8	46.2	0.43	546	1.40	0.87	9.0	2.7	610
V339570		3.21	15.95	0.13	1.0	0.122	3.18	23.0	40.0	0.40	1060	1.99	0.13	8.0	2.2	580
V339571		4.33	16.30	0.14	1.1	0.439	3.14	28.3	30.8	0.59	1460	1.81	0.17	8.1	2.4	560
V339572		3.03	15.85	0.12	1.2	0.109	3.09	20.3	50.4	0.62	952	1.50	0.13	8.7	2.4	600
V339573		3.13	16.80	0.12	1.1	0.067	3.05	19.9	21.7	0.64	1010	1.00	1.30	8.8	2.3	600
V339574		4.70	15.10	0.14	0.9	0.266	3.48	23.6	20.7	0.64	2710	1.12	0.20	7.4	2.4	520
V339575		2.94	16.45	0.14	1.1	0.034	2.85	21.3	14.6	0.76	486	1.09	2.51	8.5	2.5	590
V339576		3.93	14.95	0.14	0.9	0.245	3.17	25.4	21.7	0.65	2090	1.53	0.23	7.3	2.3	530



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139660

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	0.01	0.005	0.1
V339541		10.3	84.5	<0.002	0.11	20.6	9.4	1	2.6	135.0	0.57	<0.05	11.35	0.236	1.8
V339542		9.7	81.8	<0.002	0.07	29.6	9.8	1	2.5	131.5	0.60	<0.05	12.65	0.245	1.8
V339543		1.5	3.1	<0.002	<0.01	0.12	0.2	1	<0.2	55.5	<0.05	<0.05	0.09	<0.005	0.4
V339544		416	123.5	<0.002	1.64	64.3	6.7	1	3.8	155.0	0.47	0.10	9.85	0.209	6.2
V339545		1415	166.0	<0.002	3.23	37.1	9.0	1	5.8	159.5	0.59	0.29	12.45	0.217	4.9
V339546		126.0	128.0	<0.002	0.78	14.60	9.6	1	3.1	119.5	0.52	0.26	11.30	0.239	4.5
V339547		178.5	169.5	0.003	5.13	16.00	9.7	1	6.0	90.3	0.47	0.47	11.10	0.196	5.5
V339548		311	169.0	0.002	3.13	8.78	8.5	1	5.5	104.0	0.61	0.21	10.85	0.254	4.5
V339549		632	196.0	0.002	3.47	5.83	8.8	1	8.4	73.5	0.45	0.16	10.30	0.197	3.5
V339550		1630	145.5	0.002	7.75	104.0	7.6	2	10.5	62.2	0.39	0.73	9.01	0.168	5.3
V339551		495	206	<0.002	1.38	4.52	9.8	1	3.3	81.5	0.52	0.23	12.55	0.236	5.3
V339552		264	147.0	<0.002	1.02	10.85	8.3	1	3.0	65.3	0.48	0.17	11.10	0.206	3.2
V339553		247	168.0	<0.002	0.98	11.30	8.8	1	3.0	67.6	0.49	0.17	12.40	0.202	3.6
V339554		193.0	175.5	0.005	0.87	8.44	10.0	1	2.8	72.1	0.56	0.20	13.25	0.210	3.6
V339555		333	146.5	<0.002	0.40	10.15	9.4	1	3.0	73.1	0.55	0.12	10.90	0.230	3.2
V339556		261	202	<0.002	1.55	8.08	12.3	1	4.7	49.7	0.55	0.18	13.35	0.212	2.9
V339557		1595	132.5	<0.002	3.53	85.0	7.1	1	5.0	108.5	0.40	0.19	8.61	0.177	11.6
V339558		2.9	1.4	<0.002	0.01	0.17	0.2	1	<0.2	47.6	<0.05	<0.05	0.14	<0.005	0.7
V339559		103.5	129.5	<0.002	0.37	20.2	9.1	1	2.2	138.5	0.56	<0.05	12.90	0.233	4.7
V339560		199.5	107.5	<0.002	1.28	45.0	6.3	1	2.2	88.3	0.37	0.28	8.55	0.161	5.5
V339561		204	159.5	<0.002	1.94	28.3	10.1	1	3.9	118.5	0.65	0.16	12.70	0.247	5.2
V339562		17.8	94.0	<0.002	0.16	2.93	9.4	1	1.5	369	0.65	<0.05	11.10	0.261	3.4
V339563		18.1	93.0	<0.002	0.19	2.93	9.5	1	1.5	378	0.66	0.05	11.30	0.260	3.4
V339564		47.9	105.5	<0.002	1.05	29.6	9.3	1	2.7	198.5	0.64	0.10	11.10	0.248	3.5
V339565		70.2	122.0	<0.002	0.02	29.4	11.1	1	2.3	105.0	0.67	<0.05	15.15	0.265	5.3
V339566		77.4	157.5	<0.002	0.08	21.7	11.0	1	4.1	113.5	0.56	0.07	14.25	0.228	6.0
V339567		659	162.0	<0.002	0.13	21.8	9.5	1	3.8	105.0	0.59	0.05	14.15	0.234	6.4
V339568		1120	229	<0.002	0.10	40.2	8.7	1	5.8	19.1	0.52	0.09	11.75	0.204	10.7
V339569		156.0	138.5	<0.002	0.06	14.50	10.0	1	1.9	151.5	0.66	<0.05	14.40	0.262	4.3
V339570		238	138.0	<0.002	0.68	23.5	9.9	1	1.9	76.8	0.61	<0.05	12.70	0.246	3.0
V339571		406	159.5	<0.002	1.64	21.7	10.0	1	3.3	78.8	0.61	0.07	14.55	0.231	3.6
V339572		267	120.0	<0.002	0.74	16.35	9.6	1	2.9	98.9	0.65	<0.05	11.10	0.251	4.1
V339573		116.0	104.5	<0.002	0.09	6.28	9.6	1	1.8	249	0.63	<0.05	10.85	0.261	3.6
V339574		836	166.0	<0.002	1.81	7.69	9.1	1	4.5	84.0	0.54	0.28	12.20	0.212	4.6
V339575		19.5	97.7	<0.002	0.03	1.87	9.8	1	1.5	371	0.65	<0.05	11.55	0.253	3.7
V339576		837	162.0	<0.002	1.94	18.10	9.0	1	4.2	84.1	0.58	0.16	12.95	0.226	4.7



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139660

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		V	W	Y	Zn	Zr	Au
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V339541		60	2.5	13.4	66	24.0	<0.005
V339542		61	2.7	14.1	66	24.4	<0.005
V339543		2	0.1	0.8	19	0.5	<0.005
V339544		52	3.0	11.4	1660	55.5	0.339
V339545		61	5.0	12.1	3190	36.7	0.832
V339546		73	1.6	13.6	235	33.2	0.027
V339547		70	3.9	10.1	462	31.3	0.121
V339548		65	6.3	11.7	2050	62.6	0.079
V339549		62	7.9	8.2	2260	26.1	0.113
V339550		55	7.3	9.6	3290	26.8	1.705
V339551		68	3.9	13.1	776	29.8	0.056
V339552		62	4.0	10.7	482	26.7	0.009
V339553		62	4.1	11.4	444	26.9	0.009
V339554		64	3.1	12.4	357	29.8	<0.005
V339555		62	3.7	11.8	486	26.8	<0.005
V339556		75	3.6	11.5	714	28.6	0.047
V339557		53	4.1	10.0	>10000	34.7	2.19
V339558		2	0.1	0.7	41	<0.5	<0.005
V339559		62	4.3	13.8	388	29.8	0.020
V339560		49	2.7	11.8	864	22.2	0.102
V339561		69	3.0	13.6	304	32.4	0.037
V339562		68	1.3	15.5	47	30.3	<0.005
V339563		69	1.2	15.7	43	31.3	<0.005
V339564		66	2.0	14.0	141	29.9	0.029
V339565		73	3.6	16.1	854	33.2	0.009
V339566		66	2.4	17.1	1070	27.3	0.015
V339567		63	4.7	14.4	1640	29.5	0.628
V339568		60	7.1	8.8	1160	26.9	0.402
V339569		70	2.6	13.9	1160	31.5	0.007
V339570		67	2.9	13.2	745	29.5	0.020
V339571		63	3.1	13.9	1380	30.5	0.093
V339572		71	2.3	14.0	489	33.8	0.016
V339573		69	1.8	14.4	130	31.4	<0.005
V339574		60	3.3	12.5	1320	26.4	0.263
V339575		65	1.1	15.7	44	30.6	<0.005
V339576		62	3.7	13.2	1140	28.0	0.228



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17139660

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61 ME-OG62 Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 8-AUG-2017
Account: ROCKHA

CERTIFICATE WH17139661

Project: Klaza

P.O. No.: 17-017

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 8-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139661

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	As-OG62 As %	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	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V339433		3.44	4.88		16.00	5.88	764	560	1.47	20.2	1.37	453	36.4	7.6	8	13.40
V339434		5.92			0.04	0.06	<0.2	20	0.06	0.06	19.95	0.60	1.16	0.8	1	0.14
V339435		5.47			0.50	6.94	26.2	1900	1.23	1.16	2.24	3.74	36.6	7.6	8	9.73
V339436		2.41			4.21	7.35	742	1220	1.66	0.35	1.33	25.1	49.1	6.3	9	12.80
V339437		5.10			0.49	7.34	12.0	2240	1.44	0.23	1.77	2.49	49.3	6.5	11	11.65
V339438		8.37			0.10	7.84	10.7	2450	1.74	0.14	1.91	2.14	52.7	7.8	11	14.95
V339439		0.33			9.49	6.89	1895	300	1.70	6.69	2.01	44.0	45.3	18.4	22	16.90
V339440		10.57			0.18	7.78	15.0	2250	1.75	0.16	1.76	5.37	50.4	5.8	10	13.75
V339441		4.85			0.25	7.29	22.2	2390	1.61	0.20	2.20	4.23	52.2	8.1	9	11.20
V339442		1.96			0.14	7.29	6.0	2370	1.85	0.18	2.24	3.32	45.1	7.6	8	11.35
V339443		11.57			3.56	7.88	87.5	1890	1.79	0.83	1.00	25.0	55.8	12.4	10	9.92
V339444		8.33			0.14	7.70	7.4	2520	2.04	0.19	1.78	2.92	45.4	6.4	10	10.80
V339445		7.97			0.17	7.00	7.0	2070	1.62	0.17	1.60	1.16	34.4	3.7	8	10.35
V339446		2.98			31.0	6.75	60.6	1100	1.65	25.9	0.85	35.5	36.4	2.7	11	8.59
V339447		1.84			0.93	5.35	104.0	410	1.37	0.89	2.41	2.46	26.1	20.8	7	12.00
V339448		7.00			0.08	0.06	<0.2	20	0.07	0.07	21.5	0.11	1.07	1.0	1	0.13
V339449		8.79			0.26	6.76	23.1	1650	1.39	0.20	2.03	2.87	30.8	3.2	9	14.70
V339450		4.93			0.09	6.45	9.1	1460	1.59	0.12	2.01	0.80	26.9	2.4	7	21.1
V339451		8.19			5.68	6.51	1825	290	1.60	2.47	1.70	24.8	67.7	13.6	7	22.2
V339452		9.89			1.32	7.02	63.1	720	1.78	1.02	2.01	6.81	70.1	8.1	8	26.9
V339453		6.68			32.6	5.49	692	130	1.37	47.6	0.59	11.80	26.6	21.4	7	5.00
V339454		3.96			0.69	6.64	20.2	580	1.76	0.53	3.46	0.92	50.8	16.7	8	7.24
V339455		<0.02			0.76	6.53	22.8	590	1.63	0.64	3.42	1.01	45.0	19.0	8	6.66
V339456		8.09			0.19	6.85	9.1	1480	1.51	0.37	3.02	0.55	37.4	9.9	7	7.17
V339457		13.04			0.55	6.64	33.3	1630	1.62	0.36	2.56	3.15	42.6	5.5	8	10.30
V339458		0.32			40.4	5.71	2530	120	1.32	33.8	1.69	44.5	32.1	18.2	24	9.61
V339459		5.38			0.98	6.12	41.6	710	1.60	1.28	5.59	0.61	68.6	15.8	6	10.45
V339460		5.66			0.05	7.52	11.4	640	1.48	0.14	1.51	0.26	35.3	2.9	7	11.75
V339461		8.82			1.20	6.50	183.0	1070	1.65	0.48	1.99	6.24	54.9	5.0	7	20.3
V339462		2.35		2.25	8.34	2.87	>10000	70	0.83	5.18	1.59	10.25	3.16	17.4	6	3.35
V339463		5.23			0.89	6.43	211	590	1.47	0.78	2.48	1.51	49.6	6.2	7	11.85
V339464		4.90			0.16	6.90	34.9	1880	1.71	0.25	3.36	0.10	40.9	4.9	8	9.88
V339465		1.77			5.93	6.76	159.0	1530	1.74	2.02	2.45	134.0	47.6	10.4	7	22.9
V339466		7.15			0.41	7.24	18.5	1740	1.53	0.40	2.17	3.14	39.6	7.4	8	16.00
V339467		5.66			20.9	6.22	1590	610	1.74	5.84	1.70	121.0	40.5	9.3	8	20.1
V339468		9.92			4.47	7.55	185.0	410	1.75	2.41	1.55	42.5	42.6	8.7	10	16.00



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 8-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139661

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm	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
		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
V339433		389	3.94	14.40	0.15	0.9	35.7	3.00	18.3	23.6	0.54	1020	1.67	0.27	6.9	2.5
V339434		2.8	0.44	0.26	0.15	<0.1	0.042	0.02	0.5	1.4	12.45	181	0.19	<0.01	0.2	1.3
V339435		29.0	2.86	15.65	0.16	1.2	0.172	2.70	17.8	48.1	0.58	543	2.00	0.17	7.5	2.6
V339436		31.5	3.72	15.65	0.18	1.2	0.184	3.18	26.0	25.3	0.35	1530	1.50	0.59	7.6	2.4
V339437		11.8	2.94	15.85	0.19	1.2	0.045	2.84	26.6	14.3	0.72	601	0.72	2.11	7.7	2.6
V339438		5.0	3.11	16.85	0.21	1.3	0.041	2.86	28.4	19.7	0.84	549	0.65	2.53	8.2	2.9
V339439		116.5	5.39	15.85	0.17	1.4	0.975	3.03	23.1	26.5	0.72	2000	13.15	0.28	7.8	16.8
V339440		5.4	3.08	17.15	0.19	1.3	0.041	2.99	26.3	18.3	0.38	578	1.66	1.56	8.7	2.4
V339441		3.9	3.23	16.25	0.20	1.1	0.046	2.84	28.3	10.3	0.63	557	0.85	1.99	8.1	2.6
V339442		4.0	2.84	15.65	0.13	1.0	0.033	2.80	23.7	10.3	0.59	501	0.92	2.08	8.1	2.9
V339443		27.7	4.10	16.45	0.16	0.9	0.229	3.29	31.1	20.4	0.41	1240	1.69	0.53	7.7	3.1
V339444		4.6	3.10	16.15	0.15	1.1	0.035	3.05	24.2	15.4	0.65	503	1.38	2.02	8.4	2.9
V339445		4.2	2.77	16.15	0.13	1.0	0.043	2.69	17.4	61.8	0.47	685	0.97	0.12	8.3	2.3
V339446		360	4.08	14.05	0.12	0.9	0.830	2.85	20.6	55.4	0.64	1480	3.45	0.04	6.4	2.2
V339447		7.7	3.32	12.20	0.12	0.8	0.043	1.92	12.6	94.7	0.40	720	5.33	0.03	6.1	2.9
V339448		3.7	0.47	0.20	0.07	<0.1	0.006	0.02	0.5	1.1	13.20	202	0.09	<0.01	0.2	1.5
V339449		7.8	3.12	14.65	0.10	1.1	0.050	2.55	15.0	78.9	0.40	793	2.16	0.06	7.6	2.2
V339450		5.4	2.78	15.50	0.11	1.1	0.032	2.56	12.6	89.0	0.30	393	3.27	0.19	8.2	1.8
V339451		101.5	4.11	14.35	0.14	0.8	0.519	2.71	40.9	23.6	0.64	970	1.07	0.03	5.1	3.1
V339452		24.9	2.80	15.00	0.14	1.0	0.214	3.12	43.0	17.5	0.73	1770	0.47	0.03	6.4	3.0
V339453		975	10.00	12.15	0.17	0.8	0.583	2.63	13.0	12.2	0.35	640	2.01	0.03	4.6	2.9
V339454		12.6	2.44	16.05	0.14	0.9	0.101	3.19	23.9	13.6	0.55	1440	8.71	0.05	6.3	2.3
V339455		12.6	2.64	15.30	0.13	1.0	0.097	3.21	20.7	12.6	0.55	1460	0.62	0.05	6.0	2.3
V339456		3.1	2.43	15.60	0.13	1.0	0.047	2.68	17.3	31.7	0.47	715	1.38	0.15	7.9	2.3
V339457		7.0	2.90	15.85	0.14	0.9	0.089	2.60	20.7	62.7	0.61	1120	0.82	0.06	7.9	2.1
V339458		1190	9.30	13.95	0.17	0.8	1.525	2.62	16.3	16.3	0.67	2310	17.25	0.06	4.8	15.9
V339459		18.4	4.06	13.65	0.16	0.7	0.226	2.44	38.9	67.3	0.63	1140	1.31	0.04	5.8	2.2
V339460		29.1	2.42	16.20	0.12	1.1	0.041	1.34	17.2	359	0.45	752	1.98	0.02	8.8	1.7
V339461		19.7	2.84	14.55	0.13	0.9	0.090	2.65	29.8	50.5	0.64	1210	2.15	0.03	6.4	2.6
V339462		92.1	7.61	6.53	0.11	0.3	0.208	1.29	0.8	38.0	0.60	1050	21.1	0.02	2.3	2.4
V339463		12.4	3.43	14.85	0.12	0.9	0.101	2.36	26.5	37.7	0.70	1000	1.53	0.05	6.0	4.3
V339464		3.2	2.78	16.95	0.13	1.1	0.065	2.24	19.4	27.4	0.60	764	0.74	0.23	8.1	2.4
V339465		111.5	3.52	15.50	0.15	1.0	1.005	3.04	24.5	67.6	0.69	1200	0.92	0.17	7.6	2.6
V339466		7.7	2.90	15.80	0.13	1.1	0.099	2.07	20.0	112.5	0.59	652	1.15	0.73	8.0	2.3
V339467		423	4.40	13.70	0.13	1.1	3.73	2.39	21.6	47.8	0.79	1400	4.25	0.04	6.6	3.1
V339468		60.2	4.63	15.75	0.14	1.1	0.720	2.75	21.9	81.3	0.63	1080	3.14	0.04	7.6	2.7



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 8-AUG-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17139661

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
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
V339433		450	1700	145.0	<0.002	3.99	32.4	7.9	1	4.0	73.7	0.59	0.15	9.79	0.203	2.30
V339434		170	5.0	1.2	<0.002	<0.01	0.16	0.2	1	<0.2	48.0	<0.05	<0.05	0.10	<0.005	0.02
V339435		610	35.9	86.4	<0.002	0.94	9.90	8.7	1	2.3	103.0	0.61	0.13	10.50	0.233	1.41
V339436		570	1810	151.0	<0.002	0.40	7.40	9.4	1	3.9	114.0	0.65	<0.05	13.55	0.227	2.34
V339437		540	240	121.5	<0.002	0.02	1.92	9.3	1	1.4	305	0.64	<0.05	13.70	0.231	1.24
V339438		590	30.2	112.5	<0.002	0.01	1.36	10.0	1	1.5	376	0.69	<0.05	14.35	0.250	1.06
V339439		520	1410	170.0	0.002	3.17	34.7	8.9	1	6.0	158.5	0.64	0.33	12.50	0.209	2.76
V339440		630	59.6	125.5	<0.002	0.06	8.22	10.8	1	2.0	216	0.76	<0.05	14.15	0.252	1.43
V339441		590	74.9	130.0	<0.002	0.40	2.70	10.5	1	1.9	312	0.65	<0.05	13.95	0.242	1.49
V339442		570	24.2	109.0	<0.002	0.10	2.52	10.4	1	1.9	317	0.64	<0.05	13.25	0.236	1.47
V339443		590	1345	167.5	<0.002	1.42	11.85	11.8	1	2.5	102.5	0.60	0.07	14.45	0.238	2.33
V339444		600	24.4	112.0	<0.002	0.07	3.94	11.3	1	1.5	305	0.68	<0.05	13.80	0.255	1.34
V339445		570	73.9	94.9	<0.002	0.09	18.45	10.8	1	1.6	103.5	0.65	<0.05	11.05	0.248	1.55
V339446		480	8290	146.0	<0.002	0.89	147.0	9.0	1	2.4	30.0	0.52	0.08	12.20	0.195	2.53
V339447		460	109.5	86.5	<0.002	1.77	42.6	7.8	2	1.9	127.5	0.47	0.08	9.74	0.185	1.75
V339448		250	13.0	1.1	<0.002	<0.01	0.31	0.2	1	<0.2	49.3	<0.05	<0.05	0.11	<0.005	<0.02
V339449		560	52.8	92.6	<0.002	0.17	22.6	8.5	1	2.0	120.0	0.66	<0.05	10.45	0.243	1.78
V339450		530	13.0	99.3	<0.002	0.01	18.65	8.8	1	2.3	121.5	0.69	<0.05	9.62	0.236	1.72
V339451		460	1480	159.0	<0.002	3.28	26.0	9.7	2	8.4	61.8	0.46	0.14	11.85	0.172	2.22
V339452		550	359	184.5	<0.002	1.60	13.30	10.1	1	3.1	51.1	0.55	0.09	14.05	0.193	2.76
V339453		440	1025	150.5	<0.002	>10.0	111.5	6.6	2	6.0	21.0	0.41	0.54	8.51	0.142	2.11
V339454		540	75.5	162.5	<0.002	1.34	7.55	10.1	2	2.6	78.0	0.55	0.08	12.45	0.190	2.87
V339455		550	76.8	148.0	<0.002	1.58	7.22	9.3	2	2.5	74.1	0.55	0.09	11.45	0.197	2.74
V339456		580	17.6	90.7	<0.002	0.70	6.91	9.3	1	2.4	97.4	0.65	0.06	10.75	0.244	1.76
V339457		560	174.5	92.9	<0.002	0.70	17.75	10.3	1	3.3	107.5	0.62	<0.05	10.65	0.238	1.94
V339458		450	1660	134.0	0.003	7.98	103.5	9.3	2	10.5	64.1	0.39	0.66	9.34	0.169	2.20
V339459		480	45.9	143.5	<0.002	2.66	22.8	9.0	2	4.1	163.0	0.47	0.24	11.20	0.176	2.12
V339460		640	8.2	56.2	<0.002	0.24	23.1	10.5	1	5.6	264	0.72	<0.05	11.95	0.258	1.33
V339461		490	319	147.0	<0.002	1.60	25.1	9.4	1	3.7	75.1	0.54	0.05	12.20	0.201	2.56
V339462		190	935	74.6	<0.002	6.53	115.0	3.6	1	3.7	91.5	0.18	0.58	0.92	0.074	1.10
V339463		500	102.0	129.0	<0.002	1.53	20.7	9.1	1	3.0	80.2	0.50	0.06	11.35	0.182	2.30
V339464		560	14.3	83.3	<0.002	0.33	11.70	10.0	1	2.4	86.7	0.68	<0.05	12.70	0.229	1.80
V339465		520	1300	127.5	<0.002	1.53	15.45	10.3	1	2.3	130.5	0.62	<0.05	13.00	0.222	2.10
V339466		580	100.5	71.0	<0.002	0.17	15.50	10.1	1	1.7	218	0.66	<0.05	12.65	0.241	1.10
V339467		460	5190	120.5	<0.002	2.13	73.7	9.3	1	2.9	104.0	0.51	0.10	10.40	0.202	2.16
V339468		590	1080	124.0	<0.002	2.84	21.0	11.4	1	2.8	108.5	0.58	0.08	12.15	0.240	2.47



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 8-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139661

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	Au-AA24 Au ppm 0.005
V339433		3.0	61	2.8	10.4	>10000	25.2	0.814
V339434		0.7	2	0.1	0.8	72	<0.5	<0.005
V339435		2.1	68	2.0	12.5	879	32.7	0.131
V339436		4.3	64	3.1	14.1	1940	29.9	0.032
V339437		2.5	63	2.0	14.8	234	29.8	<0.005
V339438		2.8	68	1.2	16.6	230	31.8	<0.005
V339439		5.6	60	5.5	11.8	3120	42.3	0.800
V339440		3.2	72	1.4	17.7	439	32.0	<0.005
V339441		3.4	69	1.4	16.2	294	27.9	0.012
V339442		3.3	63	1.0	15.7	232	27.6	<0.005
V339443		3.1	65	2.6	15.6	1880	26.7	0.154
V339444		2.8	67	1.6	15.5	398	31.7	<0.005
V339445		2.6	65	3.0	13.1	165	29.0	<0.005
V339446		4.8	55	4.0	9.8	3820	26.6	1.470
V339447		11.1	53	3.2	12.0	252	21.9	0.142
V339448		0.8	2	0.1	0.9	20	0.5	<0.005
V339449		3.1	65	3.8	11.8	442	29.8	<0.005
V339450		2.1	63	2.0	10.9	131	29.3	<0.005
V339451		3.6	56	3.1	10.3	2650	23.3	0.559
V339452		3.6	61	2.7	12.9	785	28.1	0.065
V339453		2.0	45	3.0	8.9	1170	20.1	5.20
V339454		3.5	64	1.3	12.5	132	25.8	0.064
V339455		3.3	66	1.3	11.5	146	25.7	0.025
V339456		3.5	65	2.0	12.4	131	27.5	<0.005
V339457		3.7	65	2.7	12.3	410	23.9	0.017
V339458		5.2	56	7.4	9.7	3400	24.9	1.830
V339459		6.9	56	2.9	14.7	101	20.8	0.019
V339460		2.0	60	5.8	12.1	117	28.9	<0.005
V339461		5.7	58	3.1	13.1	587	23.0	0.027
V339462		2.0	27	2.2	5.3	734	7.9	3.78
V339463		3.2	63	2.1	11.5	182	24.1	0.039
V339464		3.7	65	1.8	13.8	62	31.2	0.009
V339465		3.9	59	2.7	15.2	8250	29.3	0.214
V339466		2.9	64	3.4	14.6	231	30.6	0.005
V339467		9.4	57	4.6	13.1	7670	36.3	0.613
V339468		4.8	67	4.8	12.6	3360	30.3	0.124



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 8-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139661

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	As-OG62	Au-AA24	ME-MS61	ME-OG62
	Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

CERTIFICATE WH17139663

Project: Klaza

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND 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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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139663

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V339505		5.40	0.20	7.74	14.2	2450	1.83	0.12	1.60	1.37	54.0	4.9	9	9.67	3.5	2.91
V339506		6.22	0.01	0.08	<0.2	70	0.07	0.03	20.3	0.08	1.18	1.0	1	0.25	2.7	0.46
V339507		4.25	0.22	7.77	10.4	2420	1.74	0.37	1.16	1.28	67.8	7.6	11	9.20	11.4	3.08
V339508		<0.02	0.21	7.65	10.3	2360	1.65	0.33	1.12	1.27	70.1	8.2	9	9.15	12.0	3.06
V339509		8.42	0.21	7.15	12.2	2200	1.71	0.30	2.58	0.26	41.9	5.0	9	9.77	7.3	2.83
V339510		<0.02	9.53	6.63	1815	470	1.72	6.16	1.90	42.6	45.1	17.0	21	17.85	107.0	5.21
V339511		4.72	0.24	6.66	8.2	770	1.65	0.61	3.51	0.33	47.8	3.3	7	7.23	3.2	2.79
V339512		2.68	0.96	5.67	111.0	250	1.53	1.57	3.11	1.65	63.4	5.7	10	5.32	37.0	7.51
V339513		5.57	1.10	6.93	44.9	1120	1.56	0.86	2.08	11.75	49.6	6.4	8	9.44	32.3	2.66
V339514		4.19	0.11	7.17	8.8	1810	1.67	0.23	2.46	0.21	46.8	3.8	11	10.75	3.9	2.72
V339515		4.19	0.19	7.27	5.6	1670	1.57	0.30	2.51	0.17	43.1	3.9	9	11.95	4.4	2.55
V339516		3.11	0.32	6.71	68.1	2130	1.52	0.17	2.51	0.25	43.1	5.2	7	23.8	9.0	2.64
V339517		2.60	0.26	7.57	46.3	1460	1.65	0.50	1.68	1.16	48.5	5.3	8	15.00	5.4	3.12
V339518		5.86	0.01	0.06	<0.2	40	0.05	0.03	20.9	0.06	1.16	1.0	1	0.16	3.1	0.47
V339519		2.97	16.10	6.52	841	640	1.74	14.20	2.10	20.3	52.0	14.2	7	15.80	584	5.36
V339520		4.42	0.30	7.74	29.9	1560	1.53	0.48	1.59	0.60	53.8	4.3	8	11.10	8.1	2.54
V339521		9.77	1.40	7.57	28.3	1080	1.60	1.01	1.65	0.41	90.8	6.4	9	9.50	2.3	2.97
V339522		0.32	40.2	5.70	2590	310	1.14	33.5	1.66	44.6	36.6	16.2	23	10.70	1170	9.12
V339523		5.19	0.69	6.44	39.6	920	1.37	1.31	1.91	0.22	147.5	9.5	11	11.65	3.4	3.42
V339524		11.99	0.59	6.88	58.1	1220	1.41	0.46	2.04	3.99	82.6	7.3	10	15.40	21.2	3.11
V339525		7.19	0.27	7.06	31.9	1490	1.79	0.13	2.39	0.20	48.2	6.8	9	22.0	10.9	2.76
V339526		10.62	0.20	7.38	22.8	1460	1.69	0.19	2.07	0.27	50.7	5.3	8	19.10	5.4	2.77
V339527		5.54	0.17	7.33	22.9	1560	1.68	0.19	2.01	0.20	48.2	4.9	9	18.35	6.7	2.78
V339528		4.10	8.33	7.18	223	660	1.66	9.35	2.18	13.90	56.9	5.3	11	17.55	162.0	3.51
V339529		9.11	0.28	6.88	21.4	1150	1.27	0.28	2.23	0.48	58.0	4.4	8	14.50	7.4	2.11
V339530		11.86	0.20	6.78	19.0	1180	1.40	0.23	2.60	0.27	46.9	5.0	8	16.70	14.8	2.03
V339531		6.77	6.22	7.29	319	460	1.48	3.75	1.71	26.4	48.2	12.2	8	11.60	306	4.41
V339532		6.55	0.15	7.47	46.2	1520	2.20	0.16	2.38	0.17	65.6	7.2	23	17.70	14.7	2.80
V339533		5.27	9.15	7.04	373	370	1.68	6.10	1.05	35.2	44.8	18.7	9	18.75	279	5.54
V339534		8.76	11.50	7.46	122.5	1170	1.60	13.85	2.29	3.63	70.4	17.3	9	10.90	217	2.79
V339535		4.87	2.10	7.45	74.9	1670	1.60	2.27	2.21	4.47	53.9	5.2	9	19.15	68.1	3.57
V339536		5.26	0.15	7.32	18.3	1780	1.42	0.48	2.14	0.17	46.1	4.9	7	16.15	4.3	2.79
V339537		4.20	0.63	6.85	45.3	1920	1.85	1.70	2.36	0.37	44.2	6.0	7	21.9	15.2	2.44
V339538		10.18	0.10	7.41	42.0	1220	1.82	0.17	1.60	0.26	72.8	7.0	23	20.4	11.8	2.72
V339539		4.49	20.6	6.29	363	220	1.53	8.41	1.30	50.3	50.3	9.1	7	21.0	876	4.61
V339540		5.23	0.41	7.03	29.9	3710	1.38	0.26	2.22	1.32	39.5	7.2	8	15.30	15.3	2.87



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139663

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
V339505		17.05	0.10	1.1	0.032	2.93	29.1	17.8	0.77	531	0.49	2.54	8.8	2.6	580	26.4
V339506		0.26	0.10	<0.1	0.007	0.03	0.6	1.3	12.50	201	0.06	0.01	0.2	1.6	180	1.5
V339507		16.05	0.10	1.1	0.056	3.00	36.9	17.0	0.78	503	0.53	2.41	8.3	2.5	570	16.9
V339508		16.25	0.11	1.1	0.060	2.88	38.4	17.1	0.77	496	0.58	2.36	8.2	2.6	560	16.9
V339509		16.20	0.10	1.0	0.060	2.56	20.8	14.9	0.71	615	0.48	2.36	8.0	2.2	570	19.6
V339510		15.05	0.09	1.3	0.964	2.91	23.6	25.2	0.69	1990	12.55	0.27	7.8	15.4	520	1390
V339511		17.85	0.11	0.8	0.343	1.76	16.6	12.2	0.49	885	0.22	1.63	7.1	1.0	720	12.8
V339512		14.50	0.12	0.6	0.522	1.75	24.7	34.6	0.93	2100	1.66	0.08	4.9	1.6	830	130.0
V339513		16.55	0.10	0.8	0.266	2.13	19.7	97.6	0.39	934	0.66	0.09	6.6	1.7	570	250
V339514		15.90	0.13	0.9	0.058	2.07	23.5	27.6	0.64	417	0.47	2.35	7.7	2.3	560	16.7
V339515		15.80	0.13	0.9	0.045	2.04	22.0	18.0	0.74	410	0.42	2.53	7.6	2.2	580	17.8
V339516		15.05	0.14	0.9	0.032	2.63	24.1	40.1	0.76	777	1.14	0.13	7.4	2.4	520	17.3
V339517		16.00	0.12	0.9	0.045	2.77	27.5	34.4	0.58	715	6.36	0.16	7.5	2.0	560	34.4
V339518		0.22	0.08	<0.1	0.005	0.02	0.6	1.1	12.85	213	0.09	<0.01	0.2	1.7	180	1.3
V339519		14.25	0.10	1.0	0.580	2.87	28.6	25.2	0.75	1190	10.90	0.03	6.5	2.2	480	1455
V339520		16.40	0.09	1.1	0.050	2.50	28.4	34.4	0.47	580	7.12	0.10	8.4	1.7	610	23.5
V339521		16.80	0.13	1.0	0.061	2.38	50.0	32.1	0.58	871	2.15	0.21	7.3	1.9	580	428
V339522		13.65	0.12	0.8	1.590	2.62	18.8	15.4	0.66	2300	17.35	0.06	4.8	13.8	450	1660
V339523		15.35	0.13	0.7	0.126	2.03	88.7	31.8	0.65	910	0.88	0.10	5.4	2.1	490	14.7
V339524		15.90	0.12	1.0	0.112	2.28	42.5	29.8	0.70	904	2.87	0.07	7.4	2.3	580	189.5
V339525		16.30	0.11	1.0	0.031	2.73	25.0	95.1	0.80	704	9.08	0.04	8.3	2.7	590	18.8
V339526		16.35	0.10	1.0	0.038	3.06	27.2	69.2	0.69	675	4.87	0.14	8.0	2.1	580	22.5
V339527		16.15	0.09	1.0	0.039	3.02	25.6	71.3	0.69	673	4.82	0.14	8.0	2.1	580	17.1
V339528		15.85	0.10	1.1	0.227	3.02	31.2	24.4	0.87	1460	2.28	0.04	7.8	2.7	590	700
V339529		15.40	0.11	0.9	0.046	2.54	29.8	38.4	0.67	582	2.24	0.15	7.2	3.3	580	32.0
V339530		15.40	0.09	1.0	0.046	2.50	23.1	53.3	0.73	530	1.43	0.52	8.4	2.3	580	18.1
V339531		14.30	0.07	1.0	0.772	3.26	25.3	10.1	0.74	1770	2.51	0.04	6.5	2.8	540	820
V339532		18.35	0.10	3.9	0.038	2.43	32.3	141.0	1.01	615	1.12	0.04	11.5	7.5	1400	21.3
V339533		14.55	0.06	1.4	0.750	3.12	22.5	12.1	0.52	788	3.20	0.03	6.7	3.6	530	1250
V339534		14.80	0.08	0.9	0.214	3.36	38.3	17.5	0.86	1700	0.68	0.06	6.0	2.0	630	427
V339535		14.60	0.07	1.0	0.195	3.15	29.0	49.1	0.96	1530	0.86	0.05	6.7	2.4	590	151.5
V339536		15.20	0.06	1.0	0.043	2.64	23.2	87.5	0.72	679	0.85	0.09	8.2	2.0	630	11.0
V339537		14.60	0.07	1.0	0.086	2.65	21.1	38.1	0.88	866	2.34	0.06	6.3	2.7	560	29.0
V339538		17.15	0.08	4.1	0.032	2.56	37.3	217	0.94	577	0.57	0.04	10.7	7.5	1260	12.9
V339539		13.00	0.06	1.0	1.695	2.25	25.1	44.8	0.61	871	19.05	0.03	6.4	4.1	560	608
V339540		15.00	0.05	0.9	0.079	2.05	20.1	63.4	0.79	872	1.96	0.04	7.1	3.2	590	93.9



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17139663

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V339505		111.5	<0.002	0.02	2.34	10.5	1	2.0	346	0.68	<0.05	14.20	0.248	0.91	2.8	65
V339506		1.7	<0.002	<0.01	0.05	0.2	1	<0.2	50.2	<0.05	<0.05	0.11	<0.005	<0.02	0.6	2
V339507		117.0	<0.002	0.10	2.15	10.1	1	2.5	316	0.66	0.05	15.05	0.240	0.95	2.8	62
V339508		117.5	<0.002	0.11	2.12	10.1	1	2.5	306	0.64	0.07	15.05	0.232	0.93	2.7	60
V339509		90.1	<0.002	0.14	2.21	9.7	1	2.4	359	0.62	<0.05	11.40	0.235	0.99	2.7	67
V339510		159.5	<0.002	3.16	32.6	9.0	1	5.7	152.0	0.59	0.31	12.00	0.208	2.41	4.9	57
V339511		71.5	<0.002	1.16	2.94	8.8	1	4.6	200	0.53	0.12	11.40	0.187	1.50	4.5	56
V339512		105.5	<0.002	4.85	10.20	11.6	1	5.2	71.2	0.36	0.34	13.05	0.148	1.57	3.6	67
V339513		89.9	<0.002	1.17	18.95	9.6	1	5.2	64.1	0.50	0.10	11.65	0.199	1.67	3.7	73
V339514		72.9	<0.002	0.09	3.41	10.2	1	2.5	340	0.63	<0.05	11.45	0.240	0.72	2.7	70
V339515		69.8	<0.002	0.10	2.05	10.3	1	2.2	346	0.60	<0.05	11.75	0.243	0.68	2.9	65
V339516		94.3	<0.002	0.23	13.60	9.0	1	1.9	122.5	0.67	<0.05	11.85	0.218	1.45	3.1	59
V339517		129.0	<0.002	0.38	11.60	9.5	1	2.3	84.1	0.64	0.19	12.50	0.233	1.65	2.9	63
V339518		1.1	<0.002	<0.01	0.05	0.2	1	<0.2	49.8	<0.05	<0.05	0.08	<0.005	<0.02	0.6	2
V339519		174.0	<0.002	4.53	70.0	8.2	1	5.3	74.7	0.52	0.28	11.50	0.188	2.29	4.1	54
V339520		106.5	<0.002	0.19	20.0	9.9	1	2.1	84.3	0.67	0.07	14.85	0.246	1.31	2.1	66
V339521		118.0	<0.002	0.84	15.20	10.2	1	3.2	71.1	0.58	0.21	14.60	0.206	1.74	4.0	60
V339522		145.5	0.002	7.90	103.0	8.1	2	10.3	63.7	0.38	0.74	9.32	0.161	2.06	5.1	56
V339523		111.0	<0.002	1.58	12.30	8.8	1	3.3	70.3	0.42	0.24	12.20	0.160	1.68	2.5	55
V339524		103.5	<0.002	0.74	16.85	9.7	1	4.4	84.2	0.57	0.06	13.55	0.201	1.74	2.8	60
V339525		102.0	<0.002	0.48	11.35	10.2	1	2.0	157.5	0.62	<0.05	12.40	0.243	1.98	4.0	64
V339526		122.5	<0.002	0.22	10.35	9.8	1	1.9	154.5	0.64	0.06	13.35	0.232	1.62	3.5	63
V339527		125.5	<0.002	0.20	10.95	10.0	1	1.9	151.5	0.62	<0.05	13.50	0.233	1.63	3.7	63
V339528		165.5	<0.002	1.32	18.75	10.8	1	3.5	104.5	0.58	0.13	13.45	0.224	2.25	8.1	65
V339529		88.1	<0.002	0.21	14.00	9.1	1	2.1	124.5	0.58	0.05	10.75	0.212	1.43	3.9	62
V339530		84.6	<0.002	0.21	10.75	9.5	1	2.6	149.0	0.66	<0.05	11.25	0.232	1.45	4.2	65
V339531		204	<0.002	3.82	30.1	9.5	1	4.6	52.3	0.52	0.44	13.15	0.197	2.65	4.3	64
V339532		75.6	<0.002	0.09	9.40	6.2	1	1.9	414	0.68	<0.05	7.66	0.356	1.23	3.9	66
V339533		178.0	<0.002	5.60	36.3	8.3	1	8.3	63.5	0.55	0.46	10.85	0.201	2.76	4.0	58
V339534		179.0	<0.002	1.34	14.05	10.0	1	3.5	118.0	0.49	0.33	14.30	0.186	2.76	3.5	62
V339535		154.5	<0.002	0.83	11.95	9.3	1	2.3	169.5	0.56	0.08	13.85	0.219	2.41	5.4	65
V339536		80.1	<0.002	0.15	15.85	9.8	1	1.7	164.5	0.63	<0.05	12.10	0.248	1.22	2.9	71
V339537		107.5	<0.002	0.36	13.60	7.8	1	2.6	129.5	0.50	0.05	10.50	0.195	1.85	3.6	60
V339538		102.5	<0.002	0.08	28.7	6.4	1	1.4	370	0.63	<0.05	8.65	0.332	1.33	5.0	67
V339539		132.0	<0.002	3.58	288	8.3	1	3.8	84.2	0.52	0.20	9.68	0.199	1.80	4.5	64
V339540		81.8	<0.002	0.39	22.0	9.4	1	2.0	109.0	0.59	<0.05	10.55	0.227	1.49	2.1	65



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139663

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V339505		0.8	16.1	209	30.4	<0.005
V339506		0.1	0.8	18	<0.5	<0.005
V339507		1.1	17.0	166	27.6	0.009
V339508		1.0	16.9	164	27.5	0.012
V339509		1.1	15.4	83	27.5	0.005
V339510		5.0	11.3	3080	41.2	0.730
V339511		2.0	16.7	98	22.5	<0.005
V339512		2.0	24.0	398	14.8	0.023
V339513		1.7	14.3	1120	21.9	0.012
V339514		1.3	16.3	100	24.8	<0.005
V339515		1.3	15.4	51	25.7	<0.005
V339516		6.4	15.4	96	25.7	0.041
V339517		2.6	16.9	315	24.6	0.013
V339518		0.1	0.9	16	<0.5	<0.005
V339519		4.2	12.7	1310	29.8	1.800
V339520		2.6	16.3	157	28.0	0.014
V339521		1.5	14.6	148	24.9	0.013
V339522		6.9	8.8	3370	23.0	1.795
V339523		1.8	14.4	114	18.3	0.013
V339524		2.7	13.7	321	27.9	0.033
V339525		4.0	14.2	70	27.5	0.008
V339526		2.4	13.9	74	27.4	0.007
V339527		2.6	13.9	66	27.0	0.007
V339528		3.3	14.0	1300	29.0	1.510
V339529		2.1	13.8	86	27.6	0.009
V339530		1.8	14.7	72	28.3	0.005
V339531		3.0	11.7	2490	30.0	0.488
V339532		1.5	10.3	98	174.0	<0.005
V339533		3.7	9.6	2810	46.1	0.742
V339534		3.1	13.1	346	27.0	0.691
V339535		5.3	13.6	459	29.2	0.063
V339536		5.0	14.2	57	29.5	0.009
V339537		1.7	11.9	74	34.0	0.025
V339538		2.4	12.4	91	178.5	<0.005
V339539		2.9	10.5	5210	30.6	1.005
V339540		2.6	12.4	163	27.5	0.007



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 31-JUL-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17139663

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

CERTIFICATE WH17139665

Project: Klaza

P.O. No.: 17-020

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139665

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V340545		9.98	0.68	7.60	47.5	1900	1.76	0.87	2.05	4.75	47.7	8.7	11	20.3	38.2	3.41
V340546		4.75	9.86	6.86	6170	280	1.64	1.99	1.72	46.0	49.2	6.7	8	18.45	148.5	4.71
V340547		5.70	0.12	7.66	13.2	2360	1.79	0.15	2.63	0.31	48.2	6.3	10	17.20	17.1	2.94
V340548		4.33	4.92	6.55	512	480	1.50	1.43	2.67	56.1	49.1	10.1	9	19.95	53.6	3.75
V340549		9.62	0.21	7.32	23.2	2200	1.82	0.22	2.63	0.38	43.4	7.1	9	22.8	11.7	2.89
V340550		<0.02	0.26	7.46	23.7	2260	1.87	0.22	2.63	0.47	47.6	7.1	9	22.7	13.5	2.92
V340551		5.40	0.28	7.49	28.9	1920	1.45	0.27	1.49	0.65	46.4	7.3	7	26.3	7.3	2.85
V340552		6.32	0.18	6.95	15.7	1990	1.39	0.27	2.62	0.77	39.4	8.3	7	17.40	6.0	2.71
V340553		6.43	0.43	6.71	27.4	2200	1.53	0.38	2.69	1.16	37.9	6.2	7	16.85	15.2	2.40
V340554		3.46	9.28	7.31	223	720	1.86	5.99	2.76	35.4	54.9	16.3	7	23.9	254	3.64
V340555		0.33	40.0	5.86	2480	110	1.31	37.2	1.70	45.9	35.2	17.1	23	10.25	1230	9.50
V340556		8.38	0.21	7.30	14.9	2230	1.33	0.25	1.47	0.37	45.7	9.0	8	15.55	25.6	2.27
V340557		10.96	1.87	7.39	176.0	2110	1.90	0.88	1.66	9.63	53.3	6.7	8	17.60	68.1	3.26
V340558		4.59	1.87	7.12	98.4	1800	1.73	0.94	2.84	6.06	63.3	10.3	10	13.05	37.8	2.84
V340559		13.59	0.40	7.12	15.5	2270	1.60	0.42	2.93	1.79	42.4	8.9	9	13.45	28.3	2.98
V340560		9.13	1.63	7.45	32.4	2000	1.51	1.82	2.63	2.65	48.7	9.1	9	15.15	68.0	3.04
V340561		6.66	0.59	7.50	14.9	2290	1.83	0.26	2.67	4.82	50.1	7.3	10	12.70	17.0	3.21
V340562		6.60	0.52	7.17	18.8	2350	1.49	0.71	2.72	2.17	40.1	9.3	10	13.25	18.3	2.94
V340563		5.58	0.62	7.61	19.1	2180	1.33	0.29	2.53	5.77	46.6	7.2	9	10.60	20.6	3.30
V340564		13.90	1.29	7.37	219	2060	1.76	0.80	2.32	5.96	47.4	6.9	10	14.65	35.4	3.14
V340565		5.57	3.77	7.62	213	2140	1.57	5.54	2.38	5.57	48.6	8.2	9	14.80	112.0	3.44
V340566		9.05	2.24	7.50	264	2050	1.69	2.01	1.87	9.27	51.3	7.2	10	16.45	52.3	3.69
V340567		0.32	9.37	6.83	1820	260	1.46	6.03	1.93	42.0	44.0	16.5	22	17.40	111.0	5.26
V340568		9.79	3.69	7.18	103.0	1910	1.50	3.75	2.34	21.5	47.7	8.2	9	21.0	82.6	3.93
V340569		9.54	0.50	7.55	28.4	2150	1.52	0.16	2.31	2.37	45.1	8.0	9	26.9	14.2	3.14
V340570		6.58	7.52	6.59	356	360	1.59	3.91	1.62	74.2	38.1	6.8	10	15.40	156.0	4.53
V340571		6.53	0.04	0.06	0.2	190	0.06	0.07	21.8	0.12	1.20	0.9	1	0.24	2.6	0.48
V340572		11.07	0.09	7.79	6.8	2490	1.76	0.15	2.57	0.31	53.6	6.9	12	11.10	5.3	3.06
V340573		4.89	24.2	6.01	636	500	1.29	7.67	1.90	22.6	52.6	10.2	9	6.66	568	4.53
V340574		4.42	3.01	7.24	128.0	1500	1.58	8.82	2.45	2.57	49.9	7.4	11	11.60	107.5	3.71
V340575		5.22	30.2	7.29	1195	300	1.53	14.95	1.70	10.15	43.2	10.5	9	9.52	418	5.32
V340576		6.04	0.08	0.09	1.2	50	0.07	0.07	20.9	0.08	1.31	0.9	1	0.22	3.3	0.48
V340577		11.76	0.72	7.64	18.9	1550	1.56	0.57	2.56	14.30	57.8	4.9	11	10.85	13.2	3.36
V340578		6.18	0.13	7.64	8.9	1850	1.38	0.14	2.21	5.02	51.7	4.7	11	13.40	6.1	2.81
V340579		5.36	1.55	8.48	70.3	1350	1.96	1.91	0.35	23.3	60.2	5.5	10	21.0	48.8	4.78
V340580		7.00	0.69	8.19	55.0	1860	1.37	0.49	0.62	17.40	50.9	5.1	9	11.25	19.8	3.44



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139665

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
V340545		16.75	0.10	1.2	0.164	3.06	24.4	71.9	0.60	820	1.79	0.78	8.8	2.8	630	61.8
V340546		16.20	0.09	1.0	0.471	3.11	26.3	18.4	0.60	1560	1.16	0.07	7.1	2.3	510	2010
V340547		16.40	0.11	1.1	0.033	3.05	24.8	16.6	0.69	605	1.06	2.00	8.3	2.7	600	17.6
V340548		13.90	0.10	0.9	0.536	2.18	26.8	151.0	0.90	1800	1.24	0.03	6.8	2.7	500	1845
V340549		16.20	0.09	1.1	0.039	2.86	22.3	59.5	0.65	602	0.98	1.48	8.3	2.5	580	20.5
V340550		16.30	0.09	1.2	0.040	2.93	24.3	58.1	0.67	616	1.06	1.51	8.3	2.4	610	26.6
V340551		16.35	0.10	1.0	0.040	2.89	24.4	71.6	0.48	634	1.96	0.17	8.2	2.5	580	19.6
V340552		15.45	0.10	1.0	0.039	2.58	20.0	75.2	0.66	777	1.39	0.18	7.6	2.7	570	16.7
V340553		15.60	0.10	1.1	0.057	2.69	18.5	42.2	0.51	589	1.36	0.29	7.9	2.3	560	57.0
V340554		16.30	0.10	1.5	0.755	2.91	28.5	54.4	0.85	1240	1.27	0.05	7.5	3.2	600	1360
V340555		14.00	0.08	0.8	1.595	2.67	17.9	17.7	0.68	2370	18.20	0.06	4.9	14.9	460	1705
V340556		15.40	0.10	1.0	0.047	1.91	23.8	119.5	0.51	634	1.87	0.07	7.7	3.1	580	15.2
V340557		15.55	0.09	1.1	0.122	2.81	29.4	55.5	0.71	1410	1.91	0.04	7.3	2.5	540	521
V340558		16.80	0.11	1.0	0.179	2.84	33.2	53.7	0.64	770	0.76	1.26	7.6	2.6	620	292
V340559		15.55	0.10	1.1	0.102	2.64	21.5	40.2	0.65	525	0.87	1.58	7.8	2.6	600	37.3
V340560		15.90	0.09	1.1	0.160	2.73	25.0	82.4	0.76	682	0.97	0.73	8.2	2.5	640	77.1
V340561		17.00	0.11	1.2	0.092	2.83	25.4	18.4	0.76	683	1.77	2.09	8.5	2.9	620	277
V340562		15.90	0.09	1.1	0.121	2.72	20.2	28.5	0.68	565	2.65	2.11	7.9	2.7	600	47.1
V340563		16.20	0.11	1.0	0.096	2.86	24.2	35.0	0.79	828	2.76	1.27	8.2	2.8	660	333
V340564		16.60	0.11	1.0	0.135	2.97	24.7	39.8	0.73	819	2.90	1.50	8.0	2.7	600	368
V340565		16.55	0.09	1.0	0.157	3.00	25.4	40.2	0.75	843	4.12	1.50	8.1	2.8	620	379
V340566		15.95	0.10	1.1	0.173	3.12	27.2	67.4	0.63	941	1.81	0.86	7.7	2.5	590	590
V340567		14.80	0.10	1.3	0.948	2.96	22.7	25.8	0.70	2040	12.75	0.27	7.4	15.3	520	1405
V340568		15.25	0.11	1.0	0.816	2.89	25.2	52.7	0.70	1070	2.14	0.81	7.6	2.2	560	647
V340569		17.05	0.11	1.1	0.055	3.03	22.8	43.3	0.65	721	1.20	1.33	7.9	2.6	610	145.5
V340570		14.85	0.11	1.0	2.34	2.93	19.0	56.2	0.55	2840	1.96	0.06	6.5	2.6	500	1050
V340571		0.18	0.05	<0.1	0.005	0.03	0.6	1.2	13.75	213	0.10	0.01	0.1	1.4	200	3.8
V340572		16.80	0.10	1.2	0.041	2.98	27.7	13.7	0.82	521	0.88	2.39	8.0	2.6	610	19.7
V340573		14.00	0.09	0.7	0.508	2.94	30.0	9.8	0.62	1320	0.59	0.05	5.2	2.1	450	931
V340574		15.95	0.10	1.1	0.145	3.32	26.9	22.7	0.76	1300	0.79	0.26	7.2	2.3	580	143.5
V340575		15.90	0.12	1.0	0.367	3.34	21.8	25.4	0.60	772	1.04	0.18	7.3	2.4	550	918
V340576		0.25	<0.05	<0.1	<0.005	0.04	0.6	1.1	13.10	206	0.06	<0.01	0.5	1.4	180	3.1
V340577		16.80	0.10	0.9	0.313	2.47	31.0	17.5	0.71	1220	1.01	1.55	7.0	2.6	610	211
V340578		16.35	0.09	1.0	0.060	2.41	27.3	9.9	0.64	637	1.45	2.02	7.4	2.7	610	21.1
V340579		18.40	0.13	1.0	0.317	3.29	32.6	54.0	0.31	2710	5.21	0.06	7.9	2.7	650	325
V340580		17.65	0.11	1.0	0.215	3.04	25.0	27.9	0.37	1420	2.38	0.06	7.4	3.1	640	201



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139665

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V340545		132.5	<0.002	0.25	15.35	11.2	1	2.4	197.5	0.70	<0.05	13.90	0.265	1.59	2.4	73
V340546		171.5	0.002	3.43	32.0	9.2	1	9.9	63.2	0.59	0.06	12.40	0.214	2.54	3.6	58
V340547		121.5	<0.002	0.03	3.85	10.3	1	1.6	341	0.67	<0.05	13.40	0.257	1.16	3.3	67
V340548		133.5	<0.002	1.94	34.1	9.2	1	2.3	147.0	0.55	0.20	11.25	0.208	1.55	3.6	61
V340549		113.0	<0.002	0.32	8.10	9.5	1	1.6	281	0.69	<0.05	12.10	0.247	1.23	3.1	66
V340550		115.0	<0.002	0.34	8.26	10.0	1	1.6	286	0.70	<0.05	13.20	0.257	1.25	3.3	67
V340551		126.0	<0.002	0.59	23.2	9.9	1	1.8	112.5	0.65	<0.05	13.50	0.251	1.57	3.0	67
V340552		88.9	<0.002	0.30	18.50	9.2	1	1.6	174.0	0.62	<0.05	11.45	0.238	1.17	3.1	64
V340553		93.7	<0.002	0.17	9.90	8.7	1	2.4	147.0	0.66	<0.05	10.55	0.236	1.19	2.5	63
V340554		169.5	<0.002	2.30	61.0	9.2	1	3.6	158.5	0.60	0.19	13.45	0.225	2.28	6.4	64
V340555		152.0	0.003	8.04	103.5	8.3	2	10.4	64.3	0.40	0.64	8.82	0.172	2.06	5.6	58
V340556		79.7	<0.002	0.23	32.4	9.1	<1	1.8	131.5	0.63	<0.05	12.75	0.235	0.97	2.4	56
V340557		143.0	<0.002	1.03	31.9	9.2	1	3.5	92.1	0.61	<0.05	13.60	0.217	2.02	4.7	59
V340558		123.5	<0.002	0.80	7.15	10.5	<1	3.1	264	0.57	0.05	9.84	0.251	1.76	3.6	67
V340559		89.9	<0.002	0.27	4.71	9.7	1	2.6	332	0.63	0.05	10.10	0.257	0.97	3.1	70
V340560		95.9	<0.002	0.55	12.15	10.0	1	2.4	220	0.66	0.06	11.35	0.266	1.20	4.1	72
V340561		111.5	<0.002	0.29	2.20	11.0	1	2.2	376	0.71	<0.05	13.20	0.265	1.09	4.5	71
V340562		101.5	<0.002	0.41	3.53	10.0	1	2.0	397	0.61	0.07	9.94	0.256	1.02	3.7	69
V340563		109.5	<0.002	0.37	3.65	11.2	1	2.1	260	0.63	<0.05	11.10	0.273	1.23	3.8	75
V340564		127.0	<0.002	0.42	4.94	10.4	1	3.5	318	0.59	<0.05	11.70	0.254	1.34	3.8	70
V340565		129.5	<0.002	0.62	7.53	11.0	1	4.0	320	0.61	0.11	12.80	0.267	1.32	3.8	72
V340566		148.5	<0.002	1.16	9.20	10.0	1	3.8	210	0.64	<0.05	13.85	0.243	1.64	4.6	68
V340567		162.5	0.002	3.19	31.9	8.5	1	5.7	153.5	0.57	0.27	11.20	0.213	2.26	5.0	59
V340568		129.0	<0.002	1.37	12.55	9.7	1	2.6	209	0.61	0.05	12.60	0.239	1.47	5.0	65
V340569		120.0	<0.002	0.31	7.03	10.3	1	1.9	266	0.68	<0.05	11.25	0.263	1.29	4.5	69
V340570		133.5	<0.002	3.06	40.5	9.1	1	3.7	114.5	0.55	<0.05	9.28	0.220	2.28	3.8	60
V340571		1.1	<0.002	<0.01	0.12	0.2	1	<0.2	54.2	<0.05	<0.05	0.10	<0.005	<0.02	0.6	2
V340572		114.5	<0.002	0.07	1.54	10.4	1	1.9	393	0.68	<0.05	12.40	0.256	1.11	4.3	69
V340573		175.0	<0.002	3.51	80.3	7.7	1	6.1	47.2	0.44	0.25	9.49	0.178	2.11	3.6	56
V340574		166.0	<0.002	1.47	7.63	9.8	1	3.7	110.5	0.65	0.12	13.40	0.232	2.05	4.0	64
V340575		150.0	<0.002	3.96	45.0	9.6	1	4.2	92.6	0.62	0.38	11.15	0.233	1.98	4.0	63
V340576		1.7	<0.002	0.01	0.16	0.2	1	<0.2	47.3	<0.05	<0.05	0.12	<0.005	0.02	0.6	2
V340577		133.5	<0.002	0.26	3.67	10.1	1	3.1	235	0.57	<0.05	11.55	0.240	1.79	3.8	70
V340578		110.5	<0.002	0.03	4.53	10.2	<1	2.3	283	0.61	<0.05	11.45	0.258	1.32	2.6	69
V340579		181.0	<0.002	0.32	19.15	11.3	1	3.3	81.1	0.66	<0.05	15.90	0.268	2.67	4.6	73
V340580		164.0	<0.002	0.59	17.95	10.7	1	3.0	45.4	0.61	<0.05	12.10	0.254	2.06	3.0	67



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139665

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340545		3.1	16.8	591	30.8	0.007
V340546		5.2	12.3	3120	25.1	1.025
V340547		1.2	15.9	113	28.0	<0.005
V340548		3.5	14.4	3770	23.6	0.218
V340549		2.0	15.0	121	30.3	0.006
V340550		2.1	15.4	131	31.1	0.009
V340551		3.2	14.1	142	27.2	0.015
V340552		4.5	15.1	163	27.4	0.006
V340553		2.6	12.8	193	27.9	0.016
V340554		2.6	16.4	2450	54.8	0.403
V340555		7.1	9.1	3460	22.0	1.870
V340556		6.1	12.1	117	27.9	0.007
V340557		4.3	12.3	946	27.4	0.035
V340558		2.1	13.4	556	28.3	0.045
V340559		2.2	14.6	160	30.1	0.018
V340560		3.9	14.9	236	32.1	0.077
V340561		1.2	16.5	556	34.2	0.009
V340562		2.0	14.6	190	32.7	0.018
V340563		3.4	16.0	669	28.0	0.014
V340564		2.4	14.7	623	30.3	0.029
V340565		2.5	15.4	573	31.5	0.060
V340566		2.6	14.1	1040	30.9	0.047
V340567		4.9	11.0	3140	40.7	0.800
V340568		2.6	14.4	2360	28.2	0.085
V340569		2.2	14.8	257	32.3	0.011
V340570		2.5	10.4	5950	27.5	0.419
V340571		0.1	0.8	23	<0.5	0.006
V340572		0.8	16.5	55	33.6	0.006
V340573		3.4	9.4	1800	19.9	0.490
V340574		3.9	13.4	297	29.1	1.255
V340575		3.8	12.5	975	30.7	0.402
V340576		0.1	0.8	19	0.6	0.009
V340577		2.2	13.5	1010	25.9	0.019
V340578		1.3	14.7	417	27.8	0.006
V340579		5.5	14.4	2040	28.1	0.226
V340580		4.7	12.4	1400	27.2	0.015



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139665

	CERTIFICATE COMMENTS			
	ANALYTICAL COMMENTS			
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61			
	LABORATORY ADDRESSES			
Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	ME-MS61		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
Account: ROCKHA

CERTIFICATE WH17139666

Project: Klaza

P.O. No.: 17-024

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139666

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V339577		3.28	1.09	7.30	44.5	1720	1.71	0.91	2.70	2.38	45.5	8.0	11	17.30	56.1	3.75
V339578		3.70	0.09	7.71	5.5	2390	1.59	0.10	2.65	0.13	45.5	7.3	11	10.50	9.7	3.14
V339579		4.56	0.07	7.31	5.6	2310	1.47	0.11	2.60	0.11	45.0	6.8	11	11.45	7.8	3.15
V339580		3.96	0.63	7.07	55.3	1640	1.45	0.36	2.11	5.94	45.4	6.1	9	14.70	9.7	4.32
V339581		3.99	1.11	7.34	210	1710	1.55	0.33	2.13	4.13	39.1	5.7	8	12.20	20.2	3.36
V339582		2.68	59.1	6.39	1395	120	1.28	13.85	1.23	12.95	37.7	12.9	10	13.55	4050	8.29
V339583		5.94	0.09	0.06	1.0	30	0.06	0.04	21.3	0.10	1.21	0.6	<1	0.15	6.6	0.49
V339584		1.98	1.61	7.60	65.3	1180	1.43	0.16	1.67	5.54	43.7	5.4	9	16.35	25.6	3.12
V339585		4.48	0.83	7.23	107.5	1470	1.59	0.21	2.03	5.23	43.3	7.1	9	22.9	12.8	3.31
V339586		9.59	0.14	7.05	22.9	2160	1.35	0.10	2.81	0.14	47.6	6.1	10	17.20	8.8	2.92
V339587		<0.02	0.13	7.05	23.2	2200	1.45	0.09	2.82	0.11	44.3	6.1	9	18.05	8.4	2.95
V339588		4.65	0.14	7.22	17.8	2200	1.52	0.14	2.24	0.15	43.8	6.3	7	22.3	12.0	3.05
V339589		7.75	0.32	6.68	80.3	1470	1.46	0.18	2.51	0.54	51.2	5.3	7	25.5	10.7	2.68
V339590		0.32	40.6	5.91	2590	260	1.12	37.1	1.69	45.9	36.9	16.4	23	9.98	1250	9.52
V339591		7.93	0.54	7.58	31.9	2360	1.40	1.06	2.21	2.10	44.7	5.2	8	15.80	11.5	3.21
V339592		2.89	2.24	6.89	143.5	1170	1.70	2.67	1.93	34.1	41.2	8.1	9	18.95	56.9	3.88
V339593		1.72	3.93	7.22	204	1780	1.73	3.98	1.29	60.9	48.0	10.5	8	15.45	70.7	5.98
V339594		6.13	0.02	0.07	<0.2	60	0.06	0.01	21.1	0.13	1.07	0.5	1	0.32	1.4	0.47
V339595		2.55	0.11	7.44	31.9	1220	2.01	0.15	2.89	0.49	66.2	7.2	25	17.40	11.2	2.73
V339596		5.64	0.89	6.88	70.4	1590	1.51	0.69	2.45	4.80	52.0	4.8	10	13.95	17.3	2.99
V339597		2.47	0.32	7.19	76.6	2240	1.73	0.17	2.49	0.29	40.7	7.2	9	26.0	13.5	2.91
V339598		3.69	0.10	7.09	8.5	2200	1.53	0.10	2.41	0.15	38.8	7.0	11	10.15	11.0	2.95
V339599		5.36	0.12	7.03	7.7	2310	1.66	0.13	2.48	0.19	38.2	8.5	12	8.89	7.4	2.96
V339600		0.32	9.40	6.71	1845	980	1.59	6.10	1.88	41.7	42.7	16.7	22	16.05	108.0	5.20
V339601		10.98	0.14	7.75	11.4	2490	1.62	0.21	2.48	0.18	49.0	7.9	14	16.80	10.8	3.11
V339602		10.20	0.15	7.45	16.5	2330	1.66	0.16	2.43	0.34	47.2	7.1	14	13.95	9.9	3.01
V339603		3.46	7.42	6.97	661	600	1.63	5.17	1.78	89.5	48.1	8.4	9	19.90	266	5.42
V339604		6.76	0.94	7.56	49.3	1870	1.69	1.19	2.82	5.60	46.5	10.2	15	10.55	55.1	3.99
V339605		5.18	0.24	8.06	14.9	1920	1.81	0.25	5.27	0.34	48.9	15.7	84	13.20	6.7	4.82
V339606		3.32	0.41	7.11	39.9	2170	1.74	0.34	2.76	1.25	41.0	7.3	10	11.85	12.0	2.99
V339607		12.61	0.37	7.50	22.4	2260	1.60	0.40	2.64	1.39	47.5	7.3	13	9.92	17.8	3.00
V339608		6.15	0.61	7.09	87.1	2220	1.75	0.26	2.67	4.88	39.0	6.9	11	10.50	14.8	3.21
V339609		2.43	5.13	7.36	186.5	890	1.54	5.75	1.84	27.3	48.8	5.6	11	13.25	146.5	5.11
V339610		3.64	0.08	7.31	7.7	2430	1.69	0.11	2.63	0.30	40.7	5.4	12	9.48	5.4	3.07
V339611		3.22	0.88	6.97	39.4	1490	1.78	0.46	2.37	5.55	47.5	6.2	10	13.00	15.8	3.21
V339612		1.92	5.15	6.60	331	2330	1.69	0.59	3.01	9.85	43.9	8.5	7	25.7	36.4	3.05



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139666

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V339577		15.65	0.11	1.0	0.192	3.76	22.3	17.8	0.69	2010	1.93	0.54	7.4	2.6	590
V339578		15.70	0.12	1.1	0.038	3.04	23.2	12.4	0.72	535	1.83	2.30	7.7	2.6	610
V339579		15.60	0.13	1.0	0.031	2.98	22.4	14.1	0.71	523	2.10	2.14	7.8	2.6	580
V339580		14.70	0.10	1.0	0.095	3.26	23.5	25.9	0.77	2690	1.52	0.63	6.8	2.3	520
V339581		16.65	0.11	1.1	0.071	3.34	18.5	30.1	0.54	792	1.41	0.27	8.1	2.3	590
V339582		13.55	0.10	0.9	1.315	3.16	18.3	19.5	0.56	1360	1.18	0.06	6.1	2.6	470
V339583		0.18	0.11	<0.1	0.006	0.02	0.6	0.9	12.95	211	0.16	<0.01	0.1	1.2	160
V339584		16.00	0.13	1.1	0.098	2.95	21.5	61.6	0.60	1380	1.04	0.07	7.9	2.0	630
V339585		15.25	0.12	1.0	0.127	3.18	21.3	67.3	0.64	1520	1.80	0.27	7.4	2.4	560
V339586		14.60	0.13	1.0	0.036	3.00	24.6	22.5	0.74	644	1.61	1.47	7.3	2.4	570
V339587		14.60	0.12	1.0	0.037	3.06	22.2	23.2	0.75	653	1.23	1.48	7.4	2.3	590
V339588		15.35	0.12	1.1	0.035	2.82	22.1	112.5	0.71	666	1.38	0.50	7.6	2.4	650
V339589		13.80	0.11	0.9	0.067	2.55	27.4	67.2	0.84	1320	1.54	0.04	6.5	2.1	530
V339590		13.45	0.10	0.8	1.525	2.78	18.3	15.8	0.69	2400	16.60	0.06	4.6	14.2	470
V339591		16.25	0.11	1.1	0.259	2.96	22.2	55.4	0.75	658	0.95	0.19	7.8	2.4	630
V339592		14.75	0.12	0.9	1.005	2.94	21.4	73.2	0.66	1000	1.95	0.06	6.0	2.4	560
V339593		15.60	0.13	1.3	0.842	3.22	23.5	13.3	0.68	1200	41.4	0.05	6.6	3.1	830
V339594		0.23	0.13	<0.1	0.007	0.03	0.5	0.9	13.05	208	0.08	<0.01	0.2	1.0	180
V339595		18.30	0.16	4.3	0.039	2.61	34.2	154.5	1.05	625	0.72	0.05	10.3	7.0	1390
V339596		15.25	0.11	1.0	0.136	3.11	26.5	11.1	0.79	1400	0.71	0.06	6.1	2.0	580
V339597		15.65	0.13	1.1	0.092	3.70	20.9	42.7	0.72	987	1.21	0.53	7.6	2.2	610
V339598		15.95	0.12	1.2	0.033	2.90	20.0	17.4	0.72	574	0.89	1.85	7.6	2.3	590
V339599		15.70	0.13	1.2	0.048	2.72	19.5	14.1	0.75	658	0.95	2.28	7.4	2.3	590
V339600		14.60	0.12	1.3	0.910	2.89	23.1	24.4	0.70	2010	12.15	0.26	6.9	14.8	520
V339601		17.50	0.13	1.1	0.046	2.89	26.1	16.0	0.84	585	1.30	2.45	8.3	2.7	630
V339602		16.25	0.13	1.2	0.036	2.90	24.9	12.6	0.82	594	2.10	2.28	7.8	2.7	610
V339603		14.95	0.12	1.0	2.81	2.76	26.7	26.9	0.72	2210	1.88	0.31	6.4	2.4	530
V339604		17.00	0.13	1.4	0.272	2.57	23.8	28.9	0.93	878	1.37	2.21	8.0	4.1	760
V339605		16.60	0.12	2.3	0.092	1.80	27.9	22.3	2.28	1050	0.72	2.60	6.8	22.1	1250
V339606		15.85	0.10	1.2	0.070	2.45	21.8	23.1	0.82	658	1.87	2.57	7.8	3.1	600
V339607		16.60	0.15	1.3	0.072	2.72	25.2	17.5	0.77	553	1.11	2.45	8.0	2.4	610
V339608		16.10	0.13	1.1	0.062	2.90	20.1	20.4	0.66	820	1.43	1.79	7.5	2.2	600
V339609		15.85	0.13	1.0	0.686	3.32	27.4	37.0	0.75	1580	2.35	0.17	6.8	2.2	560
V339610		16.55	0.12	1.1	0.035	2.66	21.5	30.6	0.75	576	1.03	2.42	7.9	2.4	620
V339611		15.85	0.13	1.0	0.090	3.42	25.4	22.8	0.70	1370	1.03	0.78	6.9	2.4	570
V339612		14.80	0.13	1.3	0.175	2.77	23.8	45.5	0.79	2070	1.42	0.27	7.0	2.4	510



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139666

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V339577		159.0	<0.002	0.52	15.35	11.5	1	2.8	157.5	0.61	0.11	11.75	0.253	2.63	4.5	77
V339578		106.5	<0.002	0.02	1.88	9.9	1	1.6	361	0.64	<0.05	12.25	0.253	1.16	3.8	69
V339579		103.5	<0.002	0.02	2.05	10.1	1	1.5	333	0.65	<0.05	12.10	0.255	1.24	4.2	70
V339580		146.5	<0.002	0.51	5.05	9.2	<1	2.5	151.5	0.58	0.05	11.85	0.218	2.24	4.4	60
V339581		126.0	<0.002	0.33	9.22	10.1	1	2.9	118.5	0.68	<0.05	11.25	0.252	1.90	3.9	70
V339582		157.0	<0.002	6.93	79.7	8.7	2	4.9	58.9	0.53	0.26	9.69	0.198	2.26	4.9	58
V339583		1.2	<0.002	0.02	0.22	0.2	1	<0.2	47.2	<0.05	<0.05	0.10	<0.005	<0.02	0.5	2
V339584		112.5	<0.002	0.49	13.60	9.9	1	2.2	108.5	0.69	<0.05	12.25	0.259	2.15	3.7	69
V339585		127.0	<0.002	0.76	14.10	9.5	1	2.0	144.0	0.62	<0.05	11.60	0.240	2.52	4.5	68
V339586		123.5	<0.002	0.15	4.20	9.8	1	1.5	307	0.61	<0.05	11.80	0.238	1.77	4.2	67
V339587		118.5	<0.002	0.15	4.29	9.7	1	1.4	307	0.62	<0.05	11.10	0.242	1.78	4.2	68
V339588		105.5	<0.002	0.13	15.55	10.5	1	1.6	212	0.62	<0.05	10.75	0.271	1.77	4.6	77
V339589		112.0	<0.002	0.36	20.3	8.8	1	2.8	126.0	0.53	0.05	10.85	0.217	2.32	5.0	60
V339590		145.0	0.002	8.05	107.5	8.0	2	10.6	63.8	0.39	0.77	8.64	0.172	2.24	5.2	58
V339591		100.5	<0.002	0.20	11.40	10.5	1	3.1	139.0	0.65	<0.05	11.35	0.262	1.39	3.1	73
V339592		119.5	<0.002	1.71	17.30	8.9	1	4.4	122.5	0.49	0.27	9.79	0.204	2.00	3.1	63
V339593		178.5	<0.002	5.29	15.20	12.6	1	5.0	86.4	0.55	0.47	10.35	0.293	3.04	3.4	103
V339594		1.9	<0.002	<0.01	0.17	0.2	1	<0.2	43.9	<0.05	<0.05	0.11	<0.005	0.02	0.6	2
V339595		81.5	<0.002	0.05	13.50	6.1	1	1.8	488	0.66	<0.05	7.78	0.355	1.22	3.4	67
V339596		140.0	<0.002	1.44	6.66	9.0	1	3.6	106.0	0.54	0.09	10.25	0.200	2.82	3.5	63
V339597		139.5	<0.002	0.41	6.85	9.6	1	1.9	217	0.59	<0.05	10.05	0.255	2.57	4.0	71
V339598		96.5	<0.002	0.05	2.49	9.6	1	1.5	301	0.64	<0.05	9.94	0.251	1.34	2.8	70
V339599		92.8	<0.002	0.11	1.56	9.7	1	1.5	356	0.62	0.06	9.84	0.246	1.15	3.3	68
V339600		154.0	<0.002	3.12	30.7	8.7	1	5.5	153.5	0.58	0.28	10.70	0.204	2.43	4.9	58
V339601		103.0	<0.002	0.05	1.73	11.1	1	1.8	427	0.65	0.08	12.45	0.264	1.09	4.1	73
V339602		107.5	<0.002	0.11	1.54	10.5	1	1.9	396	0.67	<0.05	12.35	0.246	1.14	4.3	68
V339603		145.0	<0.002	3.20	12.65	9.5	1	4.8	97.1	0.55	0.08	11.90	0.215	1.99	4.3	63
V339604		96.1	<0.002	0.42	3.15	12.6	1	2.9	374	0.67	<0.05	11.10	0.303	1.16	4.0	96
V339605		86.6	<0.002	0.10	3.83	24.9	1	2.4	595	0.46	<0.05	7.67	0.426	0.94	4.8	175
V339606		89.7	<0.002	0.28	3.42	9.9	1	1.6	427	0.66	<0.05	10.85	0.248	1.08	3.8	70
V339607		100.5	<0.002	0.21	1.88	10.6	1	2.0	411	0.68	<0.05	11.65	0.250	0.97	4.1	71
V339608		103.5	<0.002	0.47	2.40	9.8	1	2.3	360	0.61	<0.05	10.05	0.247	1.38	3.6	69
V339609		174.0	<0.002	2.38	4.94	9.9	1	7.4	101.0	0.55	0.05	12.35	0.225	2.34	4.1	66
V339610		86.0	<0.002	0.03	1.96	10.1	<1	1.7	472	0.67	<0.05	11.15	0.257	1.00	3.6	71
V339611		143.5	<0.002	0.84	3.30	9.7	1	3.2	237	0.58	<0.05	11.60	0.221	2.15	3.7	67
V339612		128.0	<0.002	1.05	15.20	9.2	1	3.9	166.5	0.59	0.09	11.05	0.212	2.23	6.0	59



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 5-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139666

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V339577		2.9	15.4	223	28.6	0.011
V339578		1.5	15.0	43	29.8	<0.005
V339579		1.6	15.9	42	31.4	<0.005
V339580		3.6	13.1	514	27.7	0.026
V339581		2.5	13.0	456	32.5	0.019
V339582		4.0	11.5	1310	24.0	3.48
V339583		0.1	0.9	18	<0.5	<0.005
V339584		3.4	13.2	539	32.3	0.016
V339585		3.8	12.8	485	27.4	0.019
V339586		2.0	15.2	42	29.0	0.008
V339587		2.0	14.3	42	28.1	0.010
V339588		2.2	16.0	56	32.3	<0.005
V339589		3.5	13.2	75	25.5	0.024
V339590		7.4	8.9	3460	23.3	1.705
V339591		2.7	15.3	230	30.0	<0.005
V339592		2.9	10.6	2680	24.4	0.091
V339593		6.8	13.0	3900	32.5	0.266
V339594		0.1	0.7	22	<0.5	<0.005
V339595		1.6	10.7	119	175.0	<0.005
V339596		2.3	11.9	377	25.0	0.045
V339597		3.4	12.7	56	30.9	0.048
V339598		1.8	13.7	43	32.6	<0.005
V339599		1.6	14.2	50	33.6	<0.005
V339600		4.8	10.9	3030	39.9	0.793
V339601		1.8	17.4	41	34.3	0.005
V339602		1.8	16.5	60	35.5	0.005
V339603		3.4	12.0	9180	27.3	0.142
V339604		2.3	18.5	635	41.9	0.270
V339605		1.4	21.8	93	84.5	0.009
V339606		1.4	14.4	126	35.5	0.022
V339607		1.3	15.8	125	38.0	0.028
V339608		1.4	13.4	517	31.2	0.044
V339609		3.0	11.4	2580	27.3	0.272
V339610		1.0	14.7	58	31.3	0.005
V339611		1.4	13.3	563	28.7	0.015
V339612		2.6	14.7	697	32.3	0.318



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 5-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139666

	CERTIFICATE COMMENTS
	<p>ANALYTICAL COMMENTS</p> <p>Applies to Method: REE's may not be totally soluble in this method. ME-MS61</p> <p>LABORATORY ADDRESSES</p> <p>Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.</p> <p>Applies to Method: BAG-06 CRU-31 CRU-QC LOG-21 LOG-21d LOG-23 PUL-31 PUL-31d PUL-QC SPL-21 SPL-21d WEI-21</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <p>Applies to Method: Au-AA24 ME-MS61</p>



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-AUG-2017
Account: ROCKHA

CERTIFICATE WH17139667

Project: Klaza

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17139667

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V340617		2.31		0.38	7.98	38.6	1200	1.76	0.22	1.61	1.77	51.2	6.6	10	20.9	9.9
V340618		2.84	3.25	30.6	6.48	394	570	1.41	27.8	2.65	532	43.3	6.3	10	16.50	854
V340619		5.38		0.35	7.14	20.4	1960	1.47	0.30	2.06	3.60	33.7	6.0	10	11.30	18.4
V340620		6.04		34.1	4.76	2060	100	0.97	19.35	0.91	47.6	151.0	27.4	10	5.77	1285
V340621		3.42		0.63	7.43	26.5	2910	1.66	0.85	2.37	28.2	49.1	6.2	9	22.9	26.4
V340622		6.71		0.18	6.94	31.2	1950	1.85	0.89	2.62	0.27	38.1	6.4	10	19.55	11.3
V340623		<0.02		0.11	7.09	31.1	1970	1.80	0.90	2.62	0.21	36.7	6.3	9	19.95	8.3
V340624		4.89		4.19	7.46	376	840	1.62	3.49	1.58	66.2	49.5	5.2	11	12.05	125.5
V340625		8.07		0.62	8.50	40.8	2120	1.49	0.71	1.25	11.20	49.1	5.1	11	10.65	28.1
V340626		4.54		0.90	7.49	37.2	1290	1.61	0.69	2.90	36.6	50.2	4.4	11	8.85	60.8
V340627		0.32		39.6	6.05	2610	160	1.16	36.7	1.78	45.1	35.7	17.6	24	10.20	1205
V340628		2.51		6.21	7.36	1865	210	1.36	4.42	0.87	28.6	53.2	5.2	15	7.46	176.0
V340629		3.77		1.14	6.86	47.7	2130	1.79	1.67	2.26	3.69	38.9	7.3	9	20.3	107.5
V340630		5.57		0.32	7.47	27.6	1830	1.84	0.65	2.37	0.35	38.0	9.1	10	23.7	23.7
V340631		10.34		0.23	7.98	13.6	2550	1.58	0.64	2.17	0.25	48.9	8.0	11	16.30	34.0
V340632		6.82		0.04	6.94	20.1	2270	2.08	0.14	3.49	0.21	52.1	6.1	18	20.2	5.3
V340633		2.87		0.05	7.21	17.3	1860	2.09	0.15	3.39	0.18	57.6	5.9	18	20.7	6.4
V340634		8.78		0.21	7.17	21.1	2160	1.33	0.56	2.57	0.23	37.1	7.0	9	18.10	37.1
V340635		3.10		0.23	7.37	40.2	1190	1.69	0.94	2.49	1.82	49.7	6.7	8	23.0	62.0
V340636		4.85		0.30	6.75	41.4	1410	1.43	0.77	3.66	0.60	42.8	5.9	8	24.5	57.9
V340637		4.43		0.62	7.27	63.3	920	1.53	0.91	1.94	2.66	47.9	7.1	9	19.80	66.9
V340638		4.73		1.10	7.62	84.5	510	1.53	2.17	1.72	2.37	51.9	6.6	9	16.20	44.5
V340639		10.65		0.26	7.45	54.9	1650	2.04	0.25	3.17	0.26	59.2	6.9	18	18.75	11.0
V340640		2.75		3.89	6.87	232	290	1.89	6.06	3.19	8.11	54.7	6.0	12	22.7	90.7
V340641		6.07		0.01	0.07	0.5	40	0.10	0.03	22.2	0.07	1.12	1.2	<1	0.20	5.2
V340642		3.41		1.00	7.83	92.8	810	2.25	1.37	1.38	2.45	66.1	7.1	10	19.25	30.2
V340643		7.50		0.27	6.62	19.9	900	1.83	0.25	1.60	0.51	53.5	4.8	5	16.15	8.4
V340644		5.31		0.43	5.58	37.7	590	1.67	0.69	1.77	1.71	44.6	3.5	5	16.90	14.6
V340645		9.92		3.55	7.74	147.0	430	1.59	5.24	1.57	6.52	51.5	8.6	10	19.15	281
V340646		4.26		4.21	7.03	179.0	470	1.39	3.87	1.33	13.95	36.6	8.5	10	8.66	234
V340647		5.78		0.04	0.08	<0.2	30	0.09	0.05	20.5	0.10	1.17	1.2	1	0.22	15.1
V340648		6.05		1.44	6.86	74.2	980	1.66	2.30	1.75	2.14	47.2	6.0	9	28.8	161.0
V340649		0.32		11.95	7.07	1575	210	1.84	12.90	1.98	33.5	49.4	19.8	19	14.75	295
V340650		7.92		26.0	7.49	72.2	510	1.34	101.5	1.89	3.21	52.3	7.4	10	22.3	525
V340651		8.84		0.57	7.62	15.9	2220	1.32	1.15	2.46	0.68	46.5	6.0	11	15.00	62.9
V340652		6.52		0.55	7.28	14.9	1600	1.49	1.67	2.51	0.56	44.7	6.3	10	18.10	28.6



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139667

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
V340617		4.66	15.95	0.07	1.1	0.092	3.02	26.8	111.0	0.68	2360	2.09	0.22	7.9	2.7	650
V340618		4.57	12.80	0.05	0.9	11.50	2.71	23.0	19.5	0.94	2740	3.71	0.03	6.0	2.2	480
V340619		2.85	15.70	0.05	1.1	0.167	3.03	15.8	35.7	0.45	977	1.26	0.13	8.4	2.2	630
V340620		12.90	11.35	0.10	0.7	1.320	2.33	85.2	8.5	0.43	1880	3.24	0.03	4.4	3.1	380
V340621		3.42	15.50	0.07	1.0	0.942	2.94	25.4	94.4	0.83	914	1.97	0.12	7.3	2.4	630
V340622		2.95	15.30	0.06	0.9	0.060	2.22	18.8	191.5	0.78	576	1.40	0.82	7.8	2.4	630
V340623		2.96	15.25	0.06	0.9	0.062	2.19	18.6	206	0.79	583	1.84	0.80	7.5	2.5	620
V340624		5.13	15.05	0.05	0.9	1.735	3.45	27.5	21.4	0.85	2930	1.32	0.04	6.4	2.4	570
V340625		4.03	16.70	0.07	1.0	0.527	3.32	24.6	38.4	0.73	747	1.33	0.25	8.8	2.4	710
V340626		3.75	15.10	0.07	0.9	1.395	2.79	24.4	19.9	0.75	1130	0.74	1.04	6.9	1.9	610
V340627		9.25	13.30	<0.05	0.8	1.555	2.70	18.4	15.4	0.72	2390	16.50	0.06	4.6	14.2	480
V340628		7.07	14.90	<0.05	1.0	0.461	3.40	28.5	24.3	0.68	1910	1.15	0.04	6.7	2.7	660
V340629		3.54	15.15	0.05	0.9	0.113	3.13	19.2	24.5	0.56	909	1.81	0.17	6.3	2.8	570
V340630		3.32	15.25	0.05	1.0	0.068	2.94	19.0	14.4	0.42	453	0.90	1.15	7.6	2.6	610
V340631		3.12	16.00	0.08	1.1	0.076	2.66	25.8	21.8	0.63	304	2.99	1.59	8.2	2.6	660
V340632		2.56	16.75	0.07	3.3	0.031	2.82	25.7	40.7	0.93	585	1.22	0.06	10.6	5.6	1140
V340633		2.55	16.55	0.07	3.4	0.029	2.84	29.2	38.9	0.93	559	1.24	0.05	10.2	5.5	1120
V340634		2.97	15.75	0.06	1.1	0.066	2.74	17.9	32.0	0.51	425	2.59	0.09	8.5	2.4	640
V340635		3.19	15.25	0.06	1.1	0.079	2.41	25.9	54.2	0.81	410	0.86	0.05	7.6	2.4	580
V340636		2.89	13.95	0.07	1.0	0.060	2.11	22.1	39.7	0.75	638	1.08	0.03	6.5	2.7	550
V340637		3.62	15.15	0.07	1.0	0.112	2.35	25.5	32.8	0.74	1020	1.25	0.03	7.1	2.5	590
V340638		4.34	15.20	0.05	1.1	0.149	3.16	27.8	14.1	0.75	691	1.76	0.04	5.7	2.5	600
V340639		2.58	16.75	0.06	3.4	0.033	3.21	29.7	21.2	1.07	1200	1.73	0.06	10.3	6.0	1110
V340640		3.11	15.40	0.06	2.6	0.112	2.52	26.6	38.9	1.05	3350	4.69	0.09	9.3	4.9	970
V340641		0.49	0.26	0.07	<0.1	0.007	0.03	0.6	1.1	14.20	225	0.08	<0.01	0.1	0.4	180
V340642		2.32	19.90	0.15	2.7	0.093	2.13	35.8	134.0	0.58	879	5.73	0.22	10.0	3.7	920
V340643		1.76	15.85	0.12	1.9	0.054	1.00	27.9	235	0.53	758	2.62	0.29	8.2	1.8	680
V340644		1.89	13.05	0.13	1.6	0.050	1.09	23.7	169.0	0.56	1050	2.22	0.15	7.0	1.8	490
V340645		5.25	17.20	0.15	0.9	0.277	3.46	28.8	13.6	0.83	898	2.27	0.05	5.1	3.2	600
V340646		5.08	17.75	0.11	0.7	0.281	3.30	19.8	10.1	0.80	1170	1.70	0.05	2.7	2.4	520
V340647		0.46	0.23	0.08	<0.1	0.007	0.03	0.6	1.1	13.15	199	0.11	<0.01	0.2	0.3	190
V340648		3.15	15.95	0.15	0.9	0.164	2.75	26.5	26.1	0.74	604	4.17	0.04	5.8	2.9	530
V340649		6.76	16.65	0.14	1.1	0.844	3.03	26.3	20.1	0.83	1910	10.20	0.13	7.1	13.0	560
V340650		4.83	14.00	0.10	0.9	0.365	3.29	28.6	8.6	0.89	853	1.84	0.07	6.2	2.8	560
V340651		3.46	15.15	0.12	1.0	0.104	3.22	23.9	10.9	0.72	477	2.21	1.31	7.2	2.5	610
V340652		3.72	14.00	0.11	1.1	0.130	3.22	23.2	13.1	0.76	572	2.53	0.76	7.4	2.4	570



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139667

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V340617		64.3	123.5	<0.002	0.29	18.15	10.4	1	2.6	111.0	0.63	<0.05	13.95	0.255	2.01	4.5
V340618		2250	140.0	<0.002	3.45	127.5	8.4	1	3.7	69.5	0.48	0.09	10.10	0.189	2.20	4.3
V340619		53.6	96.0	<0.002	0.20	13.35	9.3	1	2.0	97.5	0.67	<0.05	9.87	0.254	1.46	3.1
V340620		998	132.5	<0.002	>10.0	106.5	7.3	1	7.4	35.8	0.37	0.98	7.21	0.136	1.84	4.0
V340621		29.6	127.5	<0.002	0.77	7.33	10.2	1	2.4	153.0	0.57	0.10	10.95	0.234	1.83	3.8
V340622		13.8	70.1	<0.002	0.26	16.45	9.2	1	2.4	243	0.56	0.09	8.70	0.251	1.19	2.8
V340623		11.6	73.0	<0.002	0.27	16.35	9.4	1	2.4	245	0.54	0.10	8.77	0.248	1.16	2.9
V340624		911	182.5	<0.002	2.03	6.12	9.9	1	7.1	48.3	0.51	0.05	12.45	0.218	2.76	4.8
V340625		105.5	123.0	<0.002	0.21	8.28	10.9	1	2.9	110.0	0.66	<0.05	13.50	0.279	1.65	3.3
V340626		96.7	116.5	<0.002	0.95	3.69	9.9	1	3.3	165.0	0.56	<0.05	11.85	0.227	1.66	4.6
V340627		1660	147.0	0.002	8.39	106.5	8.0	2	10.2	62.3	0.37	0.71	8.19	0.163	2.09	5.1
V340628		1200	191.5	<0.002	4.88	9.51	11.8	1	10.3	32.2	0.51	0.08	11.50	0.227	2.36	3.6
V340629		84.2	127.5	<0.002	1.16	39.3	8.7	1	4.1	88.4	0.50	0.14	9.37	0.212	2.35	2.3
V340630		25.9	108.0	<0.002	0.56	8.77	9.0	1	2.9	194.0	0.60	0.10	10.50	0.245	1.76	2.5
V340631		21.2	100.5	<0.002	0.71	9.04	10.2	1	3.1	298	0.61	0.17	12.15	0.261	1.35	3.0
V340632		18.9	79.8	<0.002	0.12	11.20	6.3	<1	1.3	115.0	0.68	<0.05	7.66	0.295	1.61	3.8
V340633		17.5	93.8	<0.002	0.09	10.75	6.4	1	1.4	109.5	0.69	<0.05	8.16	0.290	1.58	3.9
V340634		18.3	88.3	<0.002	0.71	12.20	9.3	1	4.9	96.5	0.63	0.12	10.25	0.249	1.49	2.3
V340635		16.3	91.5	<0.002	1.30	17.55	9.3	1	2.8	79.9	0.64	0.21	13.45	0.236	1.61	3.8
V340636		54.9	80.5	<0.002	1.07	29.6	8.8	1	2.4	102.5	0.56	0.12	11.25	0.215	1.52	3.4
V340637		87.1	117.0	<0.002	0.97	40.8	9.6	1	3.0	89.4	0.58	0.13	13.05	0.226	2.08	3.9
V340638		90.9	180.0	<0.002	2.97	17.50	9.5	1	6.6	61.5	0.47	0.12	14.00	0.197	2.72	3.2
V340639		25.9	148.0	<0.002	0.48	9.49	6.4	1	1.4	311	0.69	<0.05	8.29	0.286	3.08	4.5
V340640		354	120.5	<0.002	2.03	35.0	5.5	1	2.4	472	0.60	0.19	7.38	0.274	2.56	4.5
V340641		1.6	1.4	<0.002	<0.01	0.11	0.2	2	<0.2	53.2	<0.05	<0.05	0.09	<0.005	<0.02	0.9
V340642		200	120.0	<0.002	1.20	28.2	7.0	1	3.4	172.0	0.65	0.06	10.90	0.301	2.06	6.8
V340643		24.3	43.7	<0.002	0.19	29.0	5.0	1	1.6	239	0.56	<0.05	7.90	0.270	0.81	5.1
V340644		60.1	55.1	<0.002	0.28	38.5	4.4	1	1.8	144.0	0.44	<0.05	6.73	0.217	0.89	6.5
V340645		149.5	200	<0.002	4.06	21.2	10.5	2	7.0	66.5	0.37	0.32	13.70	0.171	2.79	4.0
V340646		581	176.0	<0.002	5.01	39.9	9.4	2	10.1	32.3	0.20	0.83	10.60	0.098	2.43	2.8
V340647		2.2	1.7	<0.002	0.01	0.23	0.2	2	<0.2	52.6	<0.05	<0.05	0.12	<0.005	0.02	0.7
V340648		61.2	139.0	<0.002	1.47	43.1	9.5	1	4.7	53.2	0.44	0.95	12.40	0.181	2.19	3.4
V340649		1320	178.0	<0.002	5.06	67.5	10.4	2	8.4	102.5	0.54	1.14	12.15	0.212	2.55	5.3
V340650		133.5	158.0	<0.002	2.42	16.65	9.2	2	5.0	63.7	0.52	1.11	12.50	0.204	2.40	5.0
V340651		52.9	121.5	<0.002	1.05	5.07	9.9	1	3.1	260	0.61	0.17	12.45	0.239	1.61	4.7
V340652		33.9	119.0	<0.002	1.66	5.19	9.3	1	2.9	180.5	0.65	0.34	12.95	0.219	1.70	5.1



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 1-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139667

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	Au-AA24 Au ppm 0.005
V340617		74	4.5	15.5	159	32.4	0.007
V340618		59	4.0	12.0	>10000	26.1	0.278
V340619		71	3.2	12.1	430	31.9	0.007
V340620		50	3.3	10.1	3440	20.4	1.065
V340621		68	2.8	14.6	3100	29.1	0.008
V340622		72	2.7	13.9	60	27.3	<0.005
V340623		72	2.7	14.3	55	27.1	<0.005
V340624		68	4.3	10.6	6140	25.4	0.103
V340625		79	3.7	14.2	1160	30.8	0.008
V340626		70	1.6	13.8	3510	27.7	0.118
V340627		60	6.5	9.5	3410	24.2	1.635
V340628		76	4.1	11.6	2640	30.6	0.138
V340629		68	2.9	12.6	282	26.0	0.085
V340630		69	2.6	12.7	66	27.8	0.035
V340631		75	1.4	14.5	61	31.8	0.032
V340632		65	1.6	12.5	77	141.5	0.009
V340633		64	1.6	13.0	75	138.5	0.007
V340634		72	3.0	12.5	49	31.3	0.028
V340635		67	1.2	13.7	139	29.2	0.035
V340636		64	1.9	12.8	118	27.7	0.029
V340637		68	2.4	12.9	591	28.0	0.063
V340638		66	4.0	12.0	402	28.0	0.103
V340639		63	2.8	13.0	105	139.5	0.033
V340640		54	3.7	12.5	725	107.5	0.921
V340641		2	0.1	0.9	17	0.6	<0.005
V340642		57	3.6	13.1	257	100.0	0.135
V340643		43	2.2	11.7	108	57.6	0.006
V340644		39	2.1	11.1	201	50.4	0.024
V340645		65	8.7	11.6	562	26.0	0.151
V340646		55	8.3	7.1	1250	18.7	0.818
V340647		2	0.1	0.9	19	<0.5	<0.005
V340648		59	5.7	12.1	217	22.9	0.171
V340649		66	6.2	12.6	2460	31.3	0.979
V340650		64	7.8	14.5	259	24.4	0.179
V340651		69	2.7	14.5	116	27.9	0.046
V340652		65	8.3	15.3	92	31.5	0.011



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 1-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139667

	CERTIFICATE COMMENTS			
	ANALYTICAL COMMENTS			
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61			
	LABORATORY ADDRESSES			
	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
Applies to Method:	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
Applies to Method:	Au-AA24	ME-MS61	ME-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

CERTIFICATE WH17139668

Project: Klaza

P.O. No.: 17-018

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

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

Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 31-JUL-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139668

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag 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	1	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V339469		9.66		2.49	7.62	38.8	1970	1.36	2.99	2.04	12.15	44.3	7.7	9	14.80	33.1
V339470		3.69		2.23	6.80	112.5	1500	1.75	1.02	1.58	22.2	42.9	7.2	8	22.0	136.5
V339471		0.33		39.0	5.95	2650	300	1.48	37.5	1.74	44.9	36.1	17.4	24	9.71	1205
V339472		3.14		0.10	7.85	43.9	1140	2.41	0.18	2.13	0.36	67.2	7.0	25	23.9	21.7
V339473		1.60		4.62	8.24	248	550	2.67	2.20	1.91	32.8	64.2	11.1	18	29.1	92.3
V339474		6.38		0.14	7.51	44.5	2880	2.45	0.16	1.88	0.20	61.0	7.3	24	19.95	16.7
V339475		3.61		0.16	8.17	49.1	730	2.71	0.21	1.84	0.31	66.6	7.8	25	22.6	18.9
V339476		8.36		0.13	7.94	45.8	1210	2.57	0.20	2.10	0.25	67.7	8.3	26	22.7	11.0
V339477		4.29	125	>100	6.06	3280	500	1.53	64.4	1.50	6.44	38.0	17.9	9	12.75	2980
V339478		10.32		0.34	7.48	19.7	1730	1.70	0.59	2.41	0.45	44.2	12.3	8	17.20	10.2
V339479		6.65		13.35	6.78	833	430	1.53	10.30	1.31	90.6	37.5	16.4	10	15.40	232
V339480		6.17		0.04	0.09	1.2	30	0.08	2.42	21.3	0.15	1.28	0.9	1	0.21	3.2
V339481		5.39		0.29	7.58	31.1	3770	2.41	0.21	3.95	0.90	54.1	7.5	9	24.5	11.1
V339482		1.81		0.91	7.32	59.0	2290	2.54	0.68	2.69	6.16	49.3	7.5	9	31.4	38.3
V339483		4.60		4.30	6.27	194.0	540	1.52	2.81	2.27	37.1	44.8	7.4	7	28.4	164.0
V339484		2.87		0.18	6.86	12.1	1730	1.05	0.21	2.99	1.45	39.9	6.0	7	17.35	12.7
V339485		<0.02		0.23	6.91	13.9	1770	1.16	0.22	3.02	2.51	39.0	6.3	7	17.85	15.5
V339486		2.35		1.97	7.82	415	830	2.00	1.36	1.40	10.65	44.7	7.6	10	11.10	58.0
V339487		7.44		1.84	8.17	264	1000	2.10	1.50	2.15	15.30	43.5	11.6	9	15.40	79.4
V339488		11.98		3.65	6.72	61.3	620	1.78	3.08	3.02	16.35	47.0	8.6	7	25.7	67.1
V339489		6.07		0.03	0.06	<0.2	40	0.11	0.04	21.3	0.09	0.96	0.8	1	0.12	7.0
V339490		7.02		0.16	7.00	14.5	3140	1.44	0.26	2.37	0.25	43.8	6.9	8	17.80	26.9
V339491		8.89		0.15	7.22	7.8	2200	1.14	0.18	2.83	0.20	34.1	8.8	8	9.44	32.9
V339492		5.06		0.46	5.84	67.9	2200	1.54	0.23	4.69	2.37	43.2	5.4	6	28.2	14.1
V339493		9.90		0.13	7.18	12.0	2200	1.75	0.21	2.86	0.14	41.9	7.3	11	18.75	18.1
V339494		4.54		0.47	7.20	74.6	1840	1.72	0.38	2.45	1.43	42.8	8.3	18	14.65	49.7
V339495		1.78		14.35	4.80	6900	2170	1.05	6.15	3.15	62.3	24.7	4.5	10	7.83	143.0
V339496		11.07		0.67	7.18	702	1030	1.67	0.20	2.12	3.43	45.3	7.0	9	22.4	9.8
V339497		11.08		0.29	7.19	51.9	2730	1.66	0.18	2.62	0.87	44.8	6.5	12	14.45	9.6
V339498		5.34		2.88	7.21	149.0	1740	1.72	3.42	2.39	5.55	47.2	5.9	11	14.70	81.2
V339499		0.33		10.35	6.98	1855	460	1.71	6.35	1.94	42.6	45.4	17.1	22	18.30	113.0
V339500		1.09		8.39	6.36	329	350	1.49	9.68	3.09	6.02	41.9	6.3	8	20.9	162.0
V339501		10.61		0.96	8.46	145.0	2310	1.90	0.30	0.89	17.30	62.8	7.3	10	17.30	130.0
V339502		8.50		1.78	8.24	673	2250	1.93	0.69	0.55	18.45	58.0	6.5	9	20.4	146.5
V339503		4.85		0.32	7.54	156.0	2570	1.72	0.12	1.96	4.50	45.3	4.9	9	21.6	7.5
V339504		4.72		0.12	8.21	14.1	2780	1.59	0.12	1.70	1.76	52.9	4.3	10	10.05	4.2



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-JUL-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17139668

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
V339469		3.25	16.60	0.10	1.1	0.414	2.85	23.0	42.9	0.72	969	1.06	0.10	7.8	2.9	600
V339470		3.45	15.55	0.09	1.1	0.380	2.81	22.6	31.3	0.65	1190	0.73	0.04	6.5	3.1	530
V339471		9.36	14.15	0.10	0.7	1.535	2.70	18.4	16.0	0.71	2410	16.80	0.06	4.4	14.7	470
V339472		2.76	19.60	0.14	3.9	0.041	2.31	34.6	161.5	0.96	820	0.65	0.04	10.5	7.3	1430
V339473		4.10	21.1	0.10	3.3	0.796	2.79	32.9	232	0.89	2780	11.15	0.04	10.1	7.6	1100
V339474		2.88	19.05	0.12	3.8	0.033	2.27	30.9	296	0.98	753	0.96	0.06	10.3	7.5	1360
V339475		3.01	20.2	0.14	4.0	0.041	2.46	34.9	293	1.01	747	1.09	0.05	11.0	7.7	1430
V339476		2.99	20.7	0.16	4.1	0.035	2.58	34.8	265	1.03	637	1.23	0.05	11.3	8.4	1460
V339477		7.58	14.00	0.11	0.8	0.940	2.60	19.3	47.8	0.56	1230	2.42	0.03	5.9	3.5	490
V339478		2.63	16.80	0.11	1.0	0.049	2.78	23.0	145.5	0.70	623	1.13	0.09	7.5	2.4	600
V339479		5.59	15.75	0.09	1.3	2.28	3.01	19.0	45.6	0.63	1400	3.35	0.04	6.0	3.6	550
V339480		0.47	0.25	<0.05	<0.1	0.008	0.04	0.6	2.0	13.35	202	0.15	0.01	0.2	1.4	200
V339481		2.82	18.45	0.11	3.3	0.055	2.37	28.7	425	1.17	734	0.93	0.05	9.3	4.5	800
V339482		2.72	18.15	0.10	2.6	0.240	2.45	25.4	346	0.92	770	1.51	0.04	8.6	3.9	710
V339483		3.63	14.35	0.10	1.1	0.819	2.57	23.7	78.8	0.54	1140	4.23	0.03	6.1	2.8	500
V339484		2.55	14.35	0.10	1.0	0.064	2.18	20.9	92.5	0.60	693	1.05	0.08	6.9	2.2	560
V339485		2.62	14.75	0.10	1.0	0.075	2.20	19.9	93.5	0.60	698	0.93	0.08	7.1	2.3	570
V339486		4.67	18.75	0.11	1.1	0.203	3.99	21.8	21.3	0.60	1580	1.02	0.04	7.6	3.0	640
V339487		4.50	20.1	0.11	1.2	0.436	3.88	21.0	61.5	0.72	1060	1.75	0.06	8.4	2.9	700
V339488		3.27	15.30	0.10	0.9	0.625	2.65	24.8	89.3	0.65	1100	2.56	0.04	6.0	2.7	510
V339489		0.48	0.15	<0.05	<0.1	<0.005	0.02	0.5	1.3	13.30	206	0.10	<0.01	0.1	1.3	180
V339490		2.58	15.05	0.08	1.0	0.046	2.38	22.7	210	0.59	743	1.67	0.08	7.2	2.2	590
V339491		2.90	17.10	0.09	1.1	0.048	2.72	16.5	44.9	0.53	670	2.49	0.11	8.8	2.7	660
V339492		2.31	13.75	0.11	1.3	0.055	2.39	23.5	87.4	0.47	1040	1.57	0.05	6.4	2.0	410
V339493		2.85	16.85	0.11	1.1	0.039	3.17	20.7	34.9	0.70	692	3.31	1.44	8.3	2.6	610
V339494		3.23	16.70	0.10	1.2	0.069	3.03	21.0	37.9	0.65	1050	2.25	1.09	8.3	2.9	620
V339495		4.03	11.25	0.08	0.7	0.466	2.16	9.8	22.9	0.22	562	12.75	0.02	4.6	2.1	330
V339496		2.56	16.30	0.09	1.1	0.036	3.15	23.8	45.4	0.62	1440	2.11	0.04	7.9	2.5	590
V339497		2.88	16.45	0.11	1.2	0.041	2.93	23.3	25.1	0.67	849	1.21	1.39	7.9	2.7	560
V339498		3.40	16.20	0.09	1.2	0.181	3.41	25.0	57.2	0.62	1700	1.36	0.58	7.7	2.4	570
V339499		5.51	15.75	0.11	1.3	0.940	2.98	23.9	26.2	0.71	2060	12.85	0.27	7.7	16.4	520
V339500		5.41	13.45	0.10	1.0	0.386	2.65	22.9	19.5	0.78	5110	1.23	0.03	6.3	2.2	480
V339501		3.51	17.60	0.11	1.1	0.207	3.32	35.1	42.5	0.45	2590	2.13	1.08	8.1	3.4	630
V339502		3.80	18.30	0.10	1.0	0.216	3.40	31.2	24.5	0.24	1900	2.18	0.78	8.1	3.1	640
V339503		2.96	17.35	0.10	1.0	0.034	3.08	23.4	29.7	0.42	1020	0.62	1.27	8.6	2.9	650
V339504		2.92	17.45	0.12	1.1	0.032	3.11	27.9	15.0	0.77	529	0.48	2.68	8.4	2.8	610



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Page: 2 - C
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Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH17139668

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	0.01	0.005	0.1
V339469		210	106.0	<0.002	0.40	14.55	10.2	<1	1.8	114.5	0.67	0.08	11.05	0.256	3.2
V339470		535	136.0	<0.002	1.45	25.2	8.7	1	5.4	90.7	0.56	0.09	10.25	0.219	4.3
V339471		1735	144.5	0.002	8.09	109.0	8.1	2	10.4	62.8	0.37	0.69	8.03	0.170	4.9
V339472		21.2	79.8	<0.002	0.09	14.60	6.8	1	3.3	596	0.67	<0.05	7.84	0.373	5.3
V339473		1535	124.0	0.002	2.45	38.7	8.7	1	4.4	333	0.69	0.09	10.10	0.347	7.7
V339474		12.5	73.9	<0.002	0.11	19.75	6.5	1	1.7	510	0.65	<0.05	7.11	0.359	3.4
V339475		17.2	89.7	<0.002	0.06	22.1	7.1	1	1.8	527	0.70	<0.05	7.99	0.387	3.7
V339476		16.0	92.0	<0.002	0.06	20.4	7.1	1	1.5	567	0.70	<0.05	7.73	0.380	3.4
V339477		1550	145.5	<0.002	7.13	339	8.7	2	5.6	84.6	0.49	0.87	8.38	0.198	3.5
V339478		19.3	114.5	<0.002	1.05	12.40	10.1	1	1.7	154.5	0.60	0.15	10.50	0.252	3.8
V339479		1720	174.0	0.003	4.74	36.6	9.1	1	5.8	125.0	0.50	0.22	9.13	0.210	2.9
V339480		4.0	1.4	<0.002	0.01	0.18	0.2	1	<0.2	50.3	<0.05	<0.05	0.13	<0.005	0.8
V339481		24.0	90.9	<0.002	0.24	18.85	7.6	1	1.9	545	0.72	<0.05	8.65	0.305	4.6
V339482		127.5	97.6	<0.002	0.41	27.1	8.2	1	4.6	411	0.66	<0.05	9.24	0.279	4.3
V339483		990	128.5	<0.002	1.89	47.5	8.1	1	4.8	162.0	0.48	0.06	8.85	0.209	3.8
V339484		38.1	82.4	<0.002	0.15	13.85	9.2	1	2.4	153.5	0.58	<0.05	9.94	0.242	2.9
V339485		36.4	81.1	<0.002	0.15	14.85	9.4	1	2.3	155.5	0.57	<0.05	9.74	0.241	3.0
V339486		729	213	<0.002	3.44	7.50	11.3	1	5.5	57.6	0.65	0.20	11.40	0.254	3.8
V339487		642	173.5	<0.002	3.22	10.30	11.4	1	7.1	121.5	0.67	0.17	10.95	0.275	5.0
V339488		809	138.0	<0.002	1.99	30.9	8.9	1	3.6	126.0	0.50	0.26	10.45	0.210	6.4
V339489		2.7	0.8	<0.002	0.01	0.13	0.1	1	<0.2	48.0	<0.05	<0.05	0.07	<0.005	0.6
V339490		19.1	92.6	<0.002	0.75	30.7	9.1	1	2.4	182.0	0.62	0.15	10.30	0.241	3.8
V339491		24.9	87.4	<0.002	0.38	11.65	9.4	1	3.2	140.5	0.69	0.09	10.20	0.286	3.3
V339492		92.2	109.5	<0.002	0.69	20.0	7.7	1	1.7	196.5	0.65	0.05	15.05	0.177	5.9
V339493		17.6	119.0	<0.002	0.26	5.33	10.1	1	1.7	300	0.64	<0.05	11.90	0.264	3.8
V339494		82.3	125.5	<0.002	0.47	16.45	11.5	1	2.0	240	0.65	0.07	12.20	0.269	4.3
V339495		2150	147.0	<0.002	4.11	87.4	6.0	1	4.9	236	0.38	0.18	6.30	0.146	3.4
V339496		125.0	146.0	<0.002	1.14	17.70	9.9	1	1.9	97.5	0.63	0.05	12.50	0.257	4.6
V339497		45.0	128.0	<0.002	0.49	6.01	10.0	1	1.7	280	0.65	<0.05	13.25	0.249	4.4
V339498		286	158.5	<0.002	0.92	12.45	9.7	1	3.5	171.0	0.65	<0.05	14.00	0.240	4.4
V339499		1430	171.5	0.002	3.22	34.0	8.9	1	6.0	154.5	0.61	0.30	11.90	0.215	5.1
V339500		410	142.0	<0.002	2.44	26.6	8.1	1	3.2	124.5	0.53	0.12	10.50	0.206	5.1
V339501		310	161.5	<0.002	0.03	15.30	11.0	1	3.0	186.5	0.64	<0.05	15.25	0.258	4.4
V339502		524	180.5	<0.002	0.05	24.8	11.1	1	4.3	126.5	0.64	<0.05	15.20	0.248	5.5
V339503		28.4	128.5	<0.002	0.19	7.98	10.2	1	2.2	205	0.67	<0.05	12.75	0.264	2.4
V339504		19.2	119.0	<0.002	0.01	2.20	10.2	1	2.0	390	0.68	<0.05	14.70	0.261	2.5



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Page: 2 - D
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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	Au-AA24 Au ppm 0.005
V339469		70	3.3	14.8	863	31.2	0.118
V339470		61	3.1	11.0	1920	31.2	0.042
V339471		59	6.3	8.4	3490	21.4	1.750
V339472		69	2.9	11.5	102	183.0	<0.005
V339473		73	4.5	12.0	2490	147.5	0.248
V339474		68	2.6	10.6	81	174.0	0.006
V339475		70	2.7	11.5	92	184.5	0.007
V339476		72	2.1	11.1	92	187.5	0.005
V339477		56	2.3	10.3	528	23.0	1.865
V339478		65	1.9	11.7	74	27.9	0.008
V339479		61	4.0	10.5	6240	45.7	0.661
V339480		3	0.1	0.8	27	0.5	<0.005
V339481		72	4.4	15.1	123	135.5	0.010
V339482		72	3.7	12.7	489	105.0	0.032
V339483		58	3.9	11.5	2710	35.7	0.145
V339484		65	4.9	13.2	132	26.3	0.005
V339485		64	5.0	13.2	208	27.8	0.005
V339486		70	3.8	10.3	1070	31.0	0.111
V339487		74	3.2	12.1	1480	33.9	0.085
V339488		55	2.9	12.8	1300	26.7	0.057
V339489		2	0.1	0.7	21	<0.5	<0.005
V339490		66	3.0	13.4	78	28.8	0.007
V339491		75	9.0	12.5	63	31.9	<0.005
V339492		50	3.7	13.7	278	36.6	0.022
V339493		70	2.1	14.4	53	32.4	<0.005
V339494		76	2.8	15.1	148	34.2	0.008
V339495		43	4.2	7.6	4600	20.9	2.82
V339496		70	4.6	12.1	274	30.6	0.193
V339497		67	2.4	15.0	108	33.8	0.022
V339498		66	3.3	13.9	660	33.4	0.085
V339499		59	5.0	11.5	3160	41.8	0.718
V339500		55	3.3	12.6	510	28.5	0.249
V339501		71	2.2	17.2	1340	27.4	0.056
V339502		69	2.6	16.3	1680	27.3	0.183
V339503		70	1.6	15.3	468	27.7	0.117
V339504		69	0.8	14.2	231	28.2	<0.005



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 31-JUL-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17139668

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-AUG-2017
Account: ROCKHA

CERTIFICATE WH17139669

Project: Klaza

P.O. No.: 17-022

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139669

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V340581		6.89		<0.01	0.06	<0.2	30	0.05	0.02	20.6	0.06	1.09	1.0	1	0.16	1.7
V340582		9.28		1.90	7.53	61.7	1130	1.25	1.33	1.53	23.0	70.1	3.9	10	8.78	67.6
V340583		8.29		0.14	7.63	22.3	1240	1.39	0.20	2.83	12.65	63.5	3.7	10	13.10	26.4
V340584		5.59		1.14	7.54	45.0	880	1.80	0.85	1.67	27.4	67.1	5.0	9	15.05	69.6
V340585		8.23		3.61	6.29	568	1150	1.51	3.74	0.57	22.8	50.3	6.4	9	11.05	58.5
V340586		10.12	1.145	68.3	5.04	3900	1010	1.17	24.1	0.42	164.5	32.3	7.4	10	13.25	921
V340587		6.46		23.4	5.66	2380	860	1.30	14.05	0.14	129.0	38.4	4.7	8	10.30	1080
V340588		0.32		37.0	5.57	2230	1290	1.24	33.3	1.60	44.1	33.4	18.1	21	10.05	1140
V340589		11.87		3.29	7.24	1665	730	1.66	1.67	0.90	42.4	53.1	5.7	7	15.85	42.0
V340590		12.71		0.22	7.90	34.0	2210	1.95	0.18	1.10	10.65	57.2	6.9	7	19.05	20.2
V340591		8.87		1.58	7.79	706	1830	1.77	1.79	1.15	49.7	52.5	6.3	7	17.45	40.6
V340592		11.71		0.86	7.69	73.0	1130	1.57	0.65	1.34	25.3	54.5	5.6	8	14.80	30.3
V340593		<0.02		0.86	7.70	76.0	1180	1.59	0.68	1.35	26.1	56.2	5.1	7	14.85	30.9
V340594		6.36		0.84	7.42	28.1	1130	1.54	0.64	1.73	26.6	56.7	4.7	8	13.40	37.4
V340595		3.05		0.63	7.58	29.7	1810	1.62	0.59	1.71	18.90	56.8	4.9	8	12.80	38.2
V340596		8.71		0.68	7.57	19.2	1270	1.80	0.57	2.08	22.5	98.1	8.1	8	10.85	19.2
V340597		4.14		4.73	5.97	2760	810	1.28	4.35	0.77	41.9	74.1	41.1	8	9.94	119.0
V340598		3.66		1.75	7.38	308	1100	1.55	1.12	1.38	20.8	64.6	6.6	7	12.40	64.2
V340599		10.99		0.48	7.12	27.1	1200	1.68	0.14	2.37	8.98	39.2	4.2	8	14.35	5.9
V340600		8.84		0.57	7.65	294	1160	1.54	0.43	1.68	15.30	66.5	6.3	7	14.20	15.3
V340601		11.24		0.28	7.47	16.8	1280	1.58	0.32	1.56	15.00	41.5	4.3	7	16.30	31.4
V340602		13.80		1.21	6.79	98.1	900	1.64	0.67	1.48	24.6	48.3	4.4	9	18.75	42.9
V340603		4.67		3.83	7.42	1075	1090	1.71	1.38	2.29	62.4	53.2	6.0	8	19.30	46.2
V340604		9.30		0.46	6.81	31.2	2090	1.75	0.29	2.73	5.33	41.1	6.2	10	14.00	9.7
V340605		4.01		0.85	7.85	91.2	1440	1.82	0.56	2.15	5.88	48.8	10.2	9	22.1	30.8
V340606		5.87		84.9	5.09	6000	1730	1.12	151.5	1.57	40.0	26.1	6.6	10	6.80	1080
V340607		6.15		0.13	0.06	7.2	40	0.07	0.16	21.0	0.15	1.23	1.0	<1	0.18	2.9
V340608		4.92		0.69	7.05	49.0	1870	1.60	0.59	2.75	2.07	44.5	4.6	9	16.45	32.6
V340609		4.70		9.92	6.38	219	1560	1.51	7.22	1.31	23.5	41.8	5.9	7	16.65	509
V340610		7.00		3.18	7.18	41.7	2140	1.55	2.90	2.44	8.48	43.5	9.9	9	16.05	354
V340611		2.77		0.57	7.50	121.0	1510	1.72	0.53	1.86	4.34	49.8	7.0	8	24.5	9.5
V340612		0.32		9.37	6.45	1575	1330	1.56	6.42	1.84	42.3	44.6	18.2	19	16.75	106.5
V340613		2.64		2.54	7.05	51.8	810	1.46	2.52	1.50	27.4	42.5	20.0	7	11.30	52.7
V340614		11.59		1.35	6.38	144.0	550	1.37	1.60	1.83	8.58	37.1	48.3	7	11.40	22.1
V340615		6.57		7.53	6.72	1310	750	1.35	7.56	1.71	45.2	46.7	9.9	7	11.05	443
V340616		2.94		7.73	6.80	228	480	1.50	8.86	1.86	49.1	44.7	21.2	7	9.62	119.5



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139669

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
V340581		0.46	0.31	0.13	<0.1	<0.005	0.02	0.5	1.3	12.65	198	0.21	0.01	0.2	0.6	180
V340582		4.00	15.55	0.12	0.9	0.445	3.23	34.7	47.8	0.79	1980	1.09	0.04	6.9	2.0	570
V340583		3.11	16.10	0.17	1.2	0.095	2.29	33.6	120.5	0.86	1110	1.19	0.06	8.0	2.3	610
V340584		4.07	17.10	0.15	1.2	0.455	3.14	35.7	28.2	0.81	2430	0.90	0.04	8.1	2.4	570
V340585		5.44	14.70	0.13	0.8	0.468	2.90	24.9	13.2	0.40	1640	7.04	0.03	6.3	2.4	500
V340586		9.47	12.80	0.15	0.9	2.65	2.26	15.2	23.3	0.28	1040	21.5	0.02	4.6	3.1	440
V340587		8.09	15.35	0.13	0.9	2.56	2.66	19.8	11.7	0.23	583	4.74	0.02	5.9	2.3	430
V340588		8.67	14.50	0.14	0.8	1.485	2.53	16.3	15.0	0.65	2200	17.50	0.06	4.9	13.9	430
V340589		5.91	17.95	0.13	1.1	0.498	3.39	28.2	6.3	0.60	2550	1.11	0.02	7.4	2.7	550
V340590		3.07	18.90	0.14	1.3	0.062	3.13	30.8	34.1	0.60	470	0.99	1.38	9.4	2.8	610
V340591		4.38	17.15	0.14	1.2	0.723	2.94	28.6	31.0	0.67	1200	2.60	0.88	8.7	2.6	600
V340592		3.46	17.70	0.13	1.3	0.239	2.29	28.4	94.8	0.65	1280	0.73	0.04	9.1	2.4	640
V340593		3.32	18.15	0.13	1.2	0.242	2.27	29.4	97.3	0.65	1240	0.77	0.04	9.0	2.4	630
V340594		3.17	17.00	0.13	0.9	0.251	2.33	27.7	96.1	0.72	1180	0.88	0.04	8.4	2.3	630
V340595		3.25	16.70	0.14	0.9	0.191	2.49	28.7	87.8	0.76	1240	0.82	0.05	8.0	2.1	580
V340596		2.90	17.60	0.17	1.0	0.161	2.64	57.6	58.3	0.84	1040	0.50	0.10	7.6	2.4	590
V340597		8.74	15.10	0.17	0.8	1.010	2.79	38.7	8.9	0.44	930	0.97	0.03	6.2	3.2	430
V340598		4.45	17.45	0.15	0.9	0.339	3.43	32.5	28.5	0.68	3790	1.18	0.04	7.7	2.7	560
V340599		2.74	17.85	0.12	1.1	0.058	2.27	17.7	92.5	0.60	988	0.82	0.06	8.7	2.2	610
V340600		3.10	17.75	0.15	1.1	0.157	2.74	34.3	41.7	0.58	1360	0.75	0.06	8.3	2.2	580
V340601		3.17	18.40	0.12	1.1	0.191	1.89	17.9	105.0	0.57	1540	0.55	0.04	9.2	2.1	610
V340602		4.58	16.70	0.14	0.9	0.500	2.88	22.4	22.8	0.74	3730	2.32	0.03	7.6	1.9	520
V340603		3.51	17.00	0.14	1.1	0.707	3.39	28.6	16.5	0.82	1800	2.24	0.06	8.2	2.4	550
V340604		3.01	17.85	0.15	1.1	0.111	3.01	19.0	17.4	0.68	862	0.84	1.52	8.9	2.5	570
V340605		3.22	18.65	0.15	1.1	0.176	3.35	24.8	74.8	0.69	1270	2.13	0.38	9.2	2.6	620
V340606		6.26	11.95	0.12	0.7	1.270	2.41	12.9	18.2	0.28	1660	7.37	0.02	4.8	2.2	370
V340607		0.48	0.30	0.14	<0.1	0.007	0.03	0.6	1.0	13.10	217	0.06	<0.01	0.1	1.5	160
V340608		2.81	17.35	0.13	1.1	0.121	2.81	21.9	67.9	0.72	1540	1.33	0.39	8.9	2.1	590
V340609		6.49	15.15	0.11	0.8	1.190	2.94	22.5	14.7	0.76	5250	2.68	0.03	6.3	2.4	480
V340610		3.13	17.00	0.12	1.0	0.407	2.92	22.4	17.2	0.56	824	0.98	1.41	8.3	2.4	570
V340611		3.84	17.15	0.13	1.0	0.156	2.98	26.2	70.2	0.65	1920	0.71	0.14	8.1	2.7	580
V340612		4.97	16.40	0.13	1.4	0.906	2.80	22.8	23.3	0.67	1940	12.65	0.25	8.2	15.0	480
V340613		4.15	16.70	0.13	0.9	1.625	3.34	20.9	6.8	0.75	2220	0.69	0.04	7.1	2.3	520
V340614		5.72	13.10	0.12	0.7	0.316	2.78	18.6	17.4	0.66	1580	0.77	0.05	5.5	3.0	450
V340615		4.80	15.95	0.13	0.9	1.075	2.85	24.5	22.0	0.48	1660	1.41	0.07	6.9	2.1	510
V340616		5.01	16.15	0.13	1.0	1.740	3.26	23.1	6.2	0.52	1630	1.11	0.12	7.5	2.5	530



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139669

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	0.01	0.005	0.1
V340581		1.2	1.0	<0.002	<0.01	0.05	0.2	1	<0.2	45.3	<0.05	<0.05	0.09	<0.005	0.7
V340582		600	179.0	<0.002	0.93	10.70	9.6	1	4.3	70.1	0.57	0.06	12.45	0.220	4.3
V340583		80.2	122.5	<0.002	0.22	7.62	10.0	1	3.0	173.5	0.67	<0.05	12.75	0.249	4.1
V340584		456	176.5	<0.002	0.59	7.62	11.2	1	4.5	68.1	0.66	<0.05	13.50	0.226	4.5
V340585		654	176.0	<0.002	4.54	19.50	9.4	1	6.8	55.9	0.49	0.09	9.94	0.186	3.4
V340586		4780	148.5	<0.002	10.00	255	8.5	1	17.3	63.1	0.35	0.15	7.34	0.161	6.2
V340587		1290	184.5	<0.002	8.65	169.5	8.5	1	13.8	21.1	0.44	0.10	9.19	0.174	3.0
V340588		1610	137.0	0.002	7.55	103.0	8.8	2	10.4	64.0	0.40	0.70	8.78	0.158	5.4
V340589		853	211	<0.002	3.77	18.45	11.4	1	8.5	25.7	0.55	<0.05	12.60	0.216	4.0
V340590		96.0	139.5	<0.002	0.06	9.69	12.7	1	3.0	230	0.75	<0.05	14.90	0.260	3.1
V340591		310	140.5	<0.002	0.88	13.25	11.8	1	3.9	174.5	0.67	<0.05	13.65	0.251	3.5
V340592		341	131.5	<0.002	0.62	25.1	12.3	1	3.7	142.0	0.73	<0.05	13.90	0.249	4.3
V340593		318	132.5	<0.002	0.60	25.9	12.2	1	3.6	146.0	0.72	<0.05	13.90	0.248	4.3
V340594		303	109.0	<0.002	0.44	32.8	11.5	1	3.8	150.0	0.63	<0.05	11.65	0.251	6.0
V340595		358	131.0	<0.002	0.44	34.3	11.0	1	4.0	133.5	0.60	<0.05	12.15	0.242	6.9
V340596		309	131.5	<0.002	0.57	17.30	11.7	1	3.9	110.0	0.57	0.09	12.40	0.221	7.8
V340597		689	189.5	<0.002	8.51	43.8	10.3	2	6.2	27.8	0.48	0.48	10.80	0.177	3.1
V340598		601	203	<0.002	1.81	17.35	11.0	1	5.4	46.3	0.59	0.10	13.55	0.222	5.5
V340599		344	86.9	<0.002	0.22	17.05	11.1	1	2.6	152.0	0.68	<0.05	10.90	0.256	4.2
V340600		160.0	134.0	<0.002	0.86	21.1	11.5	1	3.4	85.3	0.64	<0.05	14.15	0.239	4.4
V340601		58.1	78.3	<0.002	0.12	33.1	11.4	1	4.4	103.0	0.71	<0.05	11.85	0.263	3.2
V340602		324	160.5	<0.002	0.63	34.4	10.9	1	5.1	43.6	0.58	<0.05	12.55	0.214	4.2
V340603		1195	179.0	<0.002	1.40	18.00	11.1	1	4.9	84.8	0.66	<0.05	13.65	0.233	6.0
V340604		86.7	118.5	<0.002	0.32	4.53	12.0	1	2.3	284	0.70	<0.05	11.65	0.247	4.5
V340605		155.5	151.0	<0.002	0.94	22.4	12.1	1	2.4	146.0	0.70	0.08	12.70	0.263	4.8
V340606		1275	136.5	<0.002	6.00	128.5	6.8	1	7.5	46.9	0.39	0.54	6.98	0.155	4.4
V340607		3.4	1.4	<0.002	<0.01	0.27	0.2	1	<0.2	53.9	<0.05	<0.05	0.09	<0.005	0.7
V340608		102.0	119.0	<0.002	0.36	15.00	10.8	1	2.5	181.0	0.70	<0.05	11.50	0.247	4.6
V340609		390	153.0	<0.002	1.56	120.5	9.7	1	4.9	36.7	0.48	<0.05	10.85	0.196	5.5
V340610		104.5	116.5	<0.002	0.38	38.7	11.2	1	1.9	260	0.61	0.07	11.50	0.243	3.3
V340611		43.8	134.0	<0.002	0.59	17.70	11.5	1	1.9	97.0	0.60	<0.05	12.30	0.238	6.3
V340612		1340	155.5	<0.002	3.02	34.7	9.6	1	5.9	150.5	0.62	0.30	11.60	0.198	5.2
V340613		566	208	<0.002	1.83	6.53	11.1	1	4.9	44.4	0.54	0.10	13.30	0.196	4.4
V340614		148.0	159.5	<0.002	4.57	5.73	8.4	1	5.1	51.5	0.44	0.32	10.70	0.172	3.5
V340615		491	153.0	<0.002	3.36	56.5	10.5	1	6.0	63.5	0.53	0.13	11.50	0.205	3.3
V340616		1120	177.0	<0.002	4.22	8.20	10.9	1	7.3	54.5	0.58	0.28	11.00	0.221	4.0



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 2-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139669

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	Au-AA24 Au ppm 0.005
V340581		2	0.1	0.7	17	0.5	<0.005
V340582		74	4.8	12.5	1520	23.7	0.024
V340583		69	3.5	16.7	1120	32.5	<0.005
V340584		63	3.9	14.1	2670	31.6	0.018
V340585		60	5.9	10.1	1900	23.9	0.300
V340586		53	5.7	11.1	>10000	27.7	4.49
V340587		49	6.6	11.7	7970	26.0	5.52
V340588		53	7.3	9.0	3240	24.4	1.760
V340589		63	6.9	11.0	2480	31.5	0.536
V340590		71	1.7	17.8	1100	37.3	0.007
V340591		68	3.2	15.3	3130	34.0	0.103
V340592		69	6.2	15.2	1320	34.3	0.032
V340593		67	6.3	15.4	1300	35.0	0.033
V340594		74	3.9	14.7	1500	26.6	0.018
V340595		68	3.8	14.6	1090	26.9	0.012
V340596		70	2.4	17.0	1090	28.9	0.005
V340597		57	5.0	12.2	2450	22.7	0.959
V340598		63	5.5	12.9	1540	26.1	0.136
V340599		70	3.4	13.4	799	30.6	0.018
V340600		68	2.6	15.4	1200	29.9	0.105
V340601		70	3.6	14.4	970	30.8	0.005
V340602		60	6.9	12.3	1470	24.6	0.118
V340603		63	4.7	14.5	4720	30.3	0.563
V340604		67	1.5	15.0	439	31.1	0.017
V340605		72	2.7	14.9	548	31.9	0.049
V340606		46	4.0	8.8	3150	19.2	3.34
V340607		2	0.1	0.8	23	<0.5	<0.005
V340608		65	3.1	14.8	269	31.7	0.020
V340609		58	7.2	10.4	1850	23.7	0.269
V340610		67	1.8	15.9	576	30.4	0.066
V340611		68	3.8	14.9	367	27.5	0.074
V340612		55	5.3	11.7	2940	42.4	0.810
V340613		59	3.9	11.0	2380	28.3	0.020
V340614		50	3.0	10.3	747	20.0	0.096
V340615		58	3.5	11.9	3300	24.7	0.441
V340616		64	4.1	11.2	3820	27.0	0.199



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 2-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139669

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
Account: ROCKHA

CERTIFICATE WH17139670

Project: Klaza

P.O. No.: 17-015

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE

MATT DUMALA

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139670

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V340509		2.46	1.51	7.97	103.5	2360	1.75	1.85	0.88	9.75	48.0	30.1	16	14.50	157.0	4.63
V340510		3.29	1.05	8.00	96.9	2420	1.46	0.64	0.28	9.42	39.6	6.2	8	16.20	35.8	3.15
V340511		2.24	0.10	7.78	7.5	2420	1.92	0.23	2.33	0.46	36.2	9.7	7	11.55	5.6	3.61
V340512		4.42	0.40	7.56	42.9	780	1.59	0.64	1.93	2.68	30.7	17.2	8	14.00	12.2	3.04
V340513		10.61	0.23	7.48	36.8	2640	1.54	0.30	2.10	0.39	43.4	7.8	8	17.25	8.3	2.86
V340514		10.36	0.69	7.37	131.5	1780	1.77	0.17	1.90	4.24	39.7	7.2	9	23.5	18.9	3.82
V340515		3.97	6.20	5.02	144.0	710	1.27	2.96	2.94	53.0	42.8	6.7	8	15.30	76.2	3.18
V340516		10.47	0.79	7.08	63.0	1310	1.63	0.32	1.94	5.16	38.4	7.4	9	21.2	10.4	3.05
V340517		13.87	0.37	7.22	14.6	2300	1.29	0.36	2.48	2.75	44.9	8.5	9	15.80	19.0	3.07
V340518		9.65	0.18	7.40	20.3	1570	1.48	0.20	1.64	0.66	39.8	8.8	8	21.5	11.1	2.92
V340519		<0.02	0.16	7.43	17.0	1400	1.46	0.18	1.55	0.52	39.2	8.4	8	19.90	12.9	2.82
V340520		8.53	0.33	6.26	28.9	2180	1.31	0.23	1.96	0.45	42.4	5.7	7	28.0	18.1	2.34
V340521		5.27	1.12	6.97	53.3	2870	1.60	1.05	2.71	2.94	42.3	7.3	11	13.90	22.4	3.01
V340522		10.19	0.99	6.93	67.4	1670	1.70	0.50	2.59	2.14	42.7	7.3	8	18.40	36.3	2.97
V340523		12.00	0.41	7.03	346	1980	1.59	0.52	2.60	1.24	41.1	7.6	9	12.05	33.3	2.92
V340524		8.08	1.48	6.63	28.8	1750	1.50	2.53	2.50	2.42	52.5	5.3	9	11.05	27.1	2.59
V340525		10.02	2.98	6.95	122.5	650	1.46	2.20	1.94	31.8	36.5	9.4	10	13.30	67.9	3.85
V340526		10.87	0.72	7.01	27.3	1350	1.46	1.37	2.55	1.55	25.9	23.8	11	11.90	5.6	2.71
V340527		9.98	0.31	7.30	14.6	2120	1.55	0.63	2.92	1.09	40.8	7.4	9	11.85	8.9	2.61
V340528		7.05	1.78	7.07	85.2	910	1.47	1.21	2.60	8.30	43.6	7.3	10	18.40	36.2	3.56
V340529		4.63	0.10	8.06	4.9	2330	1.78	0.13	1.64	0.21	48.9	6.0	9	13.95	9.7	2.49
V340530		2.80	0.11	5.49	10.8	1490	1.48	0.07	5.51	0.24	32.6	6.3	7	14.05	5.2	2.45
V340531		6.98	0.44	6.99	17.4	1540	1.70	3.33	2.84	0.39	42.4	7.7	9	16.05	16.2	2.73
V340532		6.29	0.01	0.06	0.9	30	0.06	0.05	21.0	0.06	1.16	0.8	1	0.31	1.7	0.47
V340533		6.88	27.8	7.18	3110	900	1.26	52.8	0.14	23.4	72.9	8.0	9	6.87	82.4	5.07
V340534		5.85	0.32	7.51	43.9	1290	1.55	0.72	2.28	7.20	69.1	8.6	10	6.62	14.8	2.11
V340535		3.97	0.27	6.48	18.2	1290	1.38	0.48	4.37	0.93	35.4	14.5	8	6.13	4.9	2.39
V340536		0.32	9.59	6.81	1855	1610	1.43	6.51	1.94	42.0	45.3	17.3	20	17.05	111.0	5.24
V340537		5.89	0.12	7.04	9.4	1830	1.52	0.22	2.84	0.48	41.0	7.9	10	12.10	5.7	2.47
V340538		7.37	0.21	6.45	17.2	1910	1.26	0.25	2.55	1.42	34.7	5.8	9	17.85	8.5	2.54
V340539		6.17	86.9	7.25	1165	940	1.48	42.2	1.25	10.25	45.6	18.9	9	15.90	3720	5.70
V340540		6.04	0.09	0.12	1.7	30	0.08	0.12	21.2	0.08	1.62	0.8	2	0.33	5.7	0.47
V340541		0.32	39.3	5.81	2570	1360	1.10	37.7	1.67	45.1	35.9	16.3	22	10.15	1180	9.07
V340542		11.18	0.32	7.60	18.5	2210	1.52	0.28	1.90	0.56	45.7	7.2	11	21.3	13.5	3.15
V340543		4.59	0.15	7.51	14.6	2120	1.48	0.27	2.20	0.70	40.4	7.9	11	16.20	6.9	2.98
V340544		2.72	0.14	7.45	12.9	2120	1.47	0.24	2.17	0.66	39.5	8.1	9	15.50	6.8	3.05



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17139670

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V340509		17.30	0.11	1.0	0.126	2.23	26.6	30.4	0.62	9710	12.45	0.85	5.7	12.0	970
V340510		16.20	0.12	0.8	0.400	3.05	22.7	47.6	0.15	1360	3.01	0.11	7.0	2.0	570
V340511		16.60	0.12	0.9	0.057	2.83	18.4	33.2	0.63	438	1.59	0.68	8.2	2.4	640
V340512		15.75	0.11	0.9	0.076	3.40	17.8	38.4	0.61	785	11.50	0.07	6.3	2.3	610
V340513		17.75	0.13	0.9	0.047	3.17	22.5	45.4	0.57	744	1.22	0.12	8.0	1.9	620
V340514		16.40	0.11	1.0	0.046	3.09	20.5	69.5	0.72	1340	1.70	0.09	7.6	2.3	580
V340515		12.05	<0.05	1.8	0.874	1.68	23.2	113.5	1.03	1250	12.10	0.03	5.3	4.1	540
V340516		16.10	0.10	1.0	0.081	2.81	19.8	149.5	0.64	1160	1.62	0.06	7.3	2.2	570
V340517		16.05	0.13	1.0	0.059	2.79	23.5	46.1	0.64	773	0.96	0.98	7.8	2.2	620
V340518		16.95	0.10	1.0	0.053	1.60	20.7	430	0.56	789	1.00	0.03	8.0	2.2	670
V340519		16.10	0.11	1.0	0.047	1.46	20.2	460	0.53	748	0.89	0.03	7.7	2.0	650
V340520		13.30	0.10	1.0	0.049	2.08	23.5	227	0.60	846	2.06	0.03	6.3	2.0	520
V340521		15.70	0.13	1.1	0.099	3.06	22.3	56.9	0.65	866	0.85	1.20	7.4	3.0	570
V340522		15.45	0.13	1.3	0.099	2.71	22.3	62.3	0.72	742	4.80	0.78	7.6	2.1	580
V340523		15.65	0.13	1.3	0.071	2.91	21.3	24.4	0.64	660	2.88	1.28	7.7	2.6	570
V340524		13.70	0.13	1.6	0.087	3.02	28.9	13.3	0.57	820	1.51	0.97	7.0	1.7	410
V340525		15.20	0.13	1.3	0.876	3.36	18.5	44.5	0.51	1420	1.92	0.08	6.6	2.1	540
V340526		16.05	0.13	1.1	0.074	2.91	12.4	15.3	0.81	851	1.05	0.70	6.5	2.7	570
V340527		15.65	0.16	1.1	0.094	2.40	21.1	37.4	0.67	636	1.98	1.24	7.2	2.0	580
V340528		15.25	0.15	1.1	0.184	2.56	22.5	116.0	0.83	1100	2.25	0.03	7.5	2.0	570
V340529		16.35	0.17	1.6	0.034	3.04	26.0	17.2	0.34	569	1.14	2.28	8.1	1.8	550
V340530		14.70	0.14	1.6	0.034	2.32	16.3	18.1	0.22	898	2.87	1.02	7.4	1.5	490
V340531		16.30	0.15	1.5	0.056	2.61	21.7	15.6	0.69	686	2.01	1.80	7.9	2.3	580
V340532		0.25	0.13	<0.1	<0.005	0.03	0.6	1.2	13.10	205	0.08	0.01	0.2	1.1	190
V340533		15.30	0.13	0.8	0.531	3.34	42.5	10.1	0.23	678	4.41	0.06	6.3	1.0	540
V340534		16.55	0.20	1.0	0.083	1.92	36.2	8.6	0.43	783	2.49	2.15	7.4	2.6	590
V340535		14.95	0.14	1.0	0.041	1.10	18.3	33.5	0.44	541	2.78	1.82	7.8	1.8	560
V340536		14.85	0.13	1.3	0.925	2.89	24.3	24.5	0.71	2000	12.05	0.26	7.5	15.3	510
V340537		15.90	0.15	1.1	0.041	2.31	20.9	21.3	0.47	542	1.75	1.85	8.2	2.0	580
V340538		15.80	0.14	1.1	0.051	2.85	17.8	72.3	0.34	720	1.90	0.19	8.1	1.8	560
V340539		14.35	0.13	0.9	0.948	2.78	24.4	58.8	0.37	735	2.34	0.24	6.9	2.2	550
V340540		0.35	0.12	<0.1	0.006	0.04	0.8	1.6	13.25	213	0.83	0.01	0.2	1.1	190
V340541		13.20	0.11	0.8	1.535	2.60	18.6	15.5	0.68	2300	16.80	0.06	4.6	13.6	460
V340542		16.50	0.14	1.1	0.038	2.92	23.8	59.8	0.62	485	1.50	1.25	8.3	2.2	620
V340543		15.75	0.15	1.1	0.046	2.84	20.5	54.2	0.62	673	1.07	1.28	7.9	2.0	620
V340544		15.75	0.15	1.2	0.042	2.78	20.1	56.4	0.63	643	1.15	1.35	8.0	2.2	610



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 5-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139670

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V340509		110.5	<0.002	0.02	11.35	14.4	1	3.4	256	0.42	0.22	10.85	0.300	2.16	4.9	122
V340510		133.5	<0.002	0.64	23.7	10.2	1	1.6	67.5	0.49	<0.05	9.10	0.238	1.69	2.5	64
V340511		105.0	<0.002	0.49	5.69	11.0	1	1.7	174.5	0.63	0.08	10.20	0.263	1.30	2.3	71
V340512		165.5	<0.002	1.84	8.65	10.3	1	1.3	136.5	0.49	0.18	10.65	0.219	2.59	4.1	66
V340513		128.5	<0.002	0.77	9.92	10.7	1	2.1	119.5	0.65	0.11	12.00	0.250	2.03	3.2	69
V340514		117.5	<0.002	0.67	16.45	9.8	1	2.2	111.5	0.60	<0.05	10.05	0.240	2.33	3.6	65
V340515		93.2	<0.002	1.19	48.7	5.0	<1	2.1	351	0.38	<0.05	6.51	0.183	1.57	7.1	42
V340516		107.5	<0.002	0.66	16.95	9.4	1	1.8	108.5	0.61	0.05	9.96	0.235	2.20	3.0	65
V340517		98.7	<0.002	0.26	9.41	10.3	1	2.5	226	0.61	0.07	10.00	0.251	1.27	2.8	69
V340518		62.8	<0.002	0.29	27.3	10.8	1	2.1	189.5	0.62	<0.05	10.25	0.261	1.10	2.9	72
V340519		59.8	<0.002	0.26	26.2	10.2	1	2.3	197.0	0.61	<0.05	10.25	0.259	0.99	2.8	70
V340520		84.5	<0.002	0.49	34.4	7.8	1	1.8	186.0	0.55	<0.05	11.05	0.197	1.34	3.8	56
V340521		119.0	<0.002	0.98	8.12	9.0	1	1.9	286	0.61	0.09	11.30	0.228	1.72	4.1	61
V340522		108.0	<0.002	0.30	20.9	9.6	1	2.3	226	0.66	<0.05	11.45	0.232	1.62	3.4	63
V340523		119.5	<0.002	0.59	6.18	9.7	1	3.1	245	0.69	0.12	11.70	0.238	1.55	2.7	65
V340524		130.5	<0.002	0.90	4.77	6.9	1	2.5	212	0.73	0.16	17.40	0.172	1.86	4.1	46
V340525		157.0	<0.002	2.62	13.25	9.2	1	3.6	89.0	0.56	0.23	11.10	0.217	2.57	3.7	65
V340526		146.0	<0.002	2.00	4.81	9.5	1	3.0	155.5	0.51	0.21	11.30	0.206	2.73	3.4	68
V340527		100.5	<0.002	1.02	4.94	9.7	1	2.0	244	0.55	0.14	11.80	0.238	1.65	3.2	67
V340528		112.0	<0.002	1.70	15.95	9.5	<1	3.5	109.5	0.59	<0.05	11.45	0.235	2.38	4.1	65
V340529		137.0	<0.002	0.01	3.40	8.6	1	1.8	302	0.74	<0.05	14.35	0.228	1.32	1.9	57
V340530		79.4	<0.002	0.01	6.45	7.2	<1	1.5	189.0	0.63	<0.05	9.48	0.219	1.07	5.6	61
V340531		100.5	<0.002	0.10	5.29	9.9	1	2.5	366	0.63	<0.05	11.80	0.239	1.21	5.6	68
V340532		1.8	<0.002	<0.01	0.06	0.2	<1	<0.2	47.7	<0.05	<0.05	0.07	<0.005	0.02	0.5	2
V340533		205	<0.002	0.63	30.6	9.3	1	6.2	20.4	0.49	0.73	11.90	0.194	2.72	5.9	65
V340534		96.1	<0.002	0.44	2.48	10.2	1	2.6	273	0.56	0.08	11.90	0.228	1.43	3.4	58
V340535		37.9	<0.002	1.03	8.14	7.8	1	2.4	224	0.62	0.07	10.00	0.237	0.49	3.5	63
V340536		160.5	0.002	3.22	33.5	8.8	1	5.9	157.5	0.58	0.31	11.60	0.210	2.60	5.2	59
V340537		83.6	<0.002	0.21	4.28	9.2	1	2.2	264	0.66	<0.05	10.75	0.249	1.02	2.7	66
V340538		106.5	<0.002	0.23	20.0	8.5	<1	2.0	120.5	0.64	<0.05	9.20	0.245	1.54	2.7	64
V340539		139.5	<0.002	4.07	325	9.3	1	4.3	98.3	0.53	0.54	11.10	0.228	1.73	3.2	62
V340540		2.0	<0.002	<0.01	0.44	0.3	<1	<0.2	50.5	<0.05	<0.05	0.13	0.005	0.02	0.5	3
V340541		144.0	0.002	7.97	99.8	7.9	2	10.2	64.0	0.37	0.76	8.88	0.167	2.19	5.4	56
V340542		112.0	<0.002	0.11	15.00	10.4	1	1.8	238	0.64	<0.05	12.10	0.260	1.30	2.7	70
V340543		103.0	<0.002	0.19	12.35	9.7	1	1.6	252	0.61	<0.05	10.65	0.259	1.32	3.3	70
V340544		99.9	<0.002	0.18	11.25	9.7	1	1.6	264	0.62	<0.05	10.70	0.260	1.26	3.2	69



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 5-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17139670

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340509		4.8	16.8	397	27.2	0.030
V340510		2.6	16.1	1140	19.1	0.027
V340511		2.4	14.8	177	21.8	<0.005
V340512		1.6	10.7	383	21.2	0.009
V340513		2.4	13.9	71	22.6	0.006
V340514		3.5	12.8	444	21.4	0.042
V340515		2.8	10.3	3340	76.3	0.183
V340516		4.2	11.9	457	24.6	0.016
V340517		3.7	14.7	308	24.8	0.007
V340518		4.1	13.4	96	24.6	0.006
V340519		4.2	12.8	89	23.2	0.009
V340520		2.4	11.5	78	21.9	0.011
V340521		1.2	12.9	322	28.3	0.032
V340522		2.3	15.8	247	39.7	0.054
V340523		2.0	14.4	166	36.3	0.208
V340524		2.0	13.7	276	42.3	0.152
V340525		3.4	12.5	3660	35.8	0.198
V340526		3.1	11.0	185	30.9	0.038
V340527		1.6	12.9	147	29.5	0.005
V340528		2.7	13.9	799	29.6	0.028
V340529		3.4	14.5	61	44.1	<0.005
V340530		2.2	17.7	49	53.4	<0.005
V340531		3.0	15.1	90	37.4	<0.005
V340532		0.1	0.8	17	<0.5	<0.005
V340533		3.6	8.4	1010	21.6	6.10
V340534		0.8	13.9	584	25.2	0.008
V340535		6.4	14.6	138	25.6	0.010
V340536		5.2	12.3	3090	39.8	0.771
V340537		2.6	15.3	105	27.9	<0.005
V340538		3.6	12.1	190	28.6	<0.005
V340539		4.9	15.5	1020	23.9	2.80
V340540		0.1	1.0	21	0.5	<0.005
V340541		7.1	9.6	3370	22.1	1.730
V340542		3.6	15.3	200	28.3	0.012
V340543		2.5	14.3	158	27.2	<0.005
V340544		2.3	14.3	150	28.3	<0.005



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 5-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17139670

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

CERTIFICATE WH17142029

Project: Klaza

P.O. No.: 17-027

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142029

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Ag-OG62 Ag ppm 1	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
V339613		8.72		0.78	8.25	173.5	1760	1.46	0.53	0.28	10.05	58.2	10.1	18	25.1	36.7
V339614		6.14		0.02	0.06	1.6	30	0.05	0.04	22.3	0.11	1.11	0.9	1	0.15	4.0
V339615		7.54		0.17	7.51	85.5	1910	1.30	0.13	0.65	7.33	49.8	5.9	11	20.4	6.2
V339616		7.84		0.11	8.47	26.2	1660	1.47	0.15	0.56	6.89	50.9	6.9	15	29.6	13.3
V339617		11.40		0.13	8.31	33.5	1410	1.68	0.18	1.01	2.25	48.0	6.8	14	27.4	18.4
V339618		8.64		0.19	7.87	42.0	2160	1.78	0.28	0.87	3.91	52.8	9.0	9	35.6	42.3
V339619		6.90		1.27	8.02	143.5	650	1.82	1.32	0.30	6.43	43.8	7.5	13	16.95	236
V339620		6.46		0.29	7.16	48.0	420	1.40	0.28	1.88	1.59	40.0	1.6	14	9.29	33.1
V339621		8.82		2.21	7.93	190.0	520	1.79	1.82	1.19	25.4	39.8	4.5	11	9.47	107.5
V339622		7.54		4.71	7.48	248	510	1.65	7.22	1.39	22.1	35.0	7.1	11	9.77	170.0
V339623		9.64		0.36	6.71	29.6	470	1.26	0.63	2.38	1.95	40.3	15.9	10	8.06	47.2
V339624		0.32		40.4	5.87	2550	400	1.16	37.2	1.75	45.9	35.6	17.2	21	10.25	1205
V339625		11.60		0.43	6.86	16.9	1000	1.52	0.65	3.88	0.73	36.4	11.0	10	11.20	39.4
V339626		<0.02		0.40	7.17	15.3	960	1.49	0.65	3.96	0.67	39.4	11.4	11	11.20	35.8
V339627		10.34		0.37	7.50	10.9	590	1.57	0.24	3.68	0.47	38.3	1.4	11	9.39	79.9
V339628		7.82		3.50	7.73	80.5	640	1.53	2.49	1.98	10.70	40.0	3.3	12	8.09	687
V339629		8.20		0.23	6.97	20.4	600	1.43	0.26	3.52	1.37	40.6	1.5	11	6.41	57.3
V339630		0.36		9.65	6.73	1860	310	1.48	6.42	1.99	42.6	41.1	17.4	21	16.75	114.0
V339631		6.54		0.60	7.26	40.3	570	1.64	0.59	3.29	1.84	36.3	5.7	11	8.64	86.4
V339632		6.40		0.56	7.25	73.7	1660	1.68	0.48	3.01	0.97	50.4	6.1	11	13.40	32.9
V339633		7.62		0.20	7.39	69.4	2060	1.52	0.16	2.14	0.24	43.5	5.1	9	15.15	5.6
V339634		4.68	119	>100	4.73	6120	400	1.09	148.5	0.44	34.0	30.5	25.0	13	11.50	4940
V339635		6.48		0.21	0.07	9.8	50	0.05	0.27	21.2	0.13	1.24	0.9	1	0.18	12.1
V339636		5.32		0.48	7.54	54.8	1720	1.52	0.57	2.14	0.69	46.8	5.6	10	17.60	16.8
V339637		5.20		0.14	7.52	20.1	2200	1.86	0.18	1.87	0.19	42.6	4.6	11	14.60	9.5
V339638		3.30		0.82	7.17	344	970	1.60	0.73	2.31	9.83	53.2	4.8	12	20.1	10.4
V339639		7.10		0.18	7.19	12.0	1490	1.43	0.18	2.13	0.20	44.8	4.3	9	12.40	26.3
V339640		6.10		0.21	6.90	26.6	1700	1.55	0.12	2.63	0.18	34.9	4.1	12	15.10	4.0
V339641		2.44		0.23	6.92	53.9	1500	1.63	0.11	2.67	0.16	38.5	3.6	10	14.90	4.3
V339642		4.12		42.3	5.61	4820	90	1.38	35.4	1.33	43.0	34.5	30.1	10	13.60	132.0
V339643		4.20		0.12	7.35	9.0	1170	1.59	0.18	2.36	0.13	44.1	3.7	11	8.49	5.8
V339644		3.68		0.52	7.10	55.1	1610	1.44	0.45	1.63	5.68	45.7	4.7	10	12.10	10.5
V339645		2.30		51.5	4.14	1160	260	0.95	29.1	0.94	23.9	26.2	52.4	12	5.51	2320
V339646		5.92		0.82	6.89	39.9	1230	1.39	0.68	1.99	1.41	56.6	8.8	11	9.88	19.7
V339647		3.62		0.44	6.27	18.2	480	1.43	0.48	4.08	0.34	31.5	4.4	11	6.74	7.9
V339648		5.64		1.88	6.58	64.3	510	1.43	2.03	1.82	7.56	46.2	16.4	11	6.21	26.3



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142029

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
V339613		3.34	17.85	0.11	1.3	0.083	1.84	34.0	154.0	0.14	1440	6.16	0.10	8.6	4.6	660
V339614		0.50	0.23	0.09	<0.1	<0.005	0.02	0.6	1.1	13.60	214	0.08	<0.01	0.1	1.2	180
V339615		3.16	16.00	0.10	1.1	0.065	1.65	27.2	138.0	0.22	945	3.88	0.03	7.7	2.8	580
V339616		3.26	19.10	0.13	1.3	0.048	2.56	25.9	81.7	0.19	974	3.06	0.09	9.9	3.2	670
V339617		3.27	18.60	0.10	1.2	0.052	2.31	24.2	104.5	0.26	804	2.54	0.06	9.2	2.9	640
V339618		3.42	17.25	0.11	1.1	0.048	2.38	27.4	72.5	0.27	982	2.52	0.05	8.1	3.4	590
V339619		4.02	17.65	0.10	0.9	0.388	2.00	19.3	90.3	0.17	1020	3.03	0.07	7.9	2.9	650
V339620		2.09	16.90	0.11	1.0	0.223	1.51	16.2	96.1	0.51	756	2.28	0.06	8.0	1.5	600
V339621		3.94	17.75	0.12	0.9	0.535	2.77	14.7	52.3	0.59	911	2.42	0.05	7.6	1.7	400
V339622		3.00	16.80	0.12	0.7	0.436	2.78	13.5	19.7	0.50	1760	2.97	0.05	7.4	1.5	400
V339623		1.68	16.10	0.11	0.9	0.182	1.13	17.1	34.1	0.55	498	3.42	0.10	7.9	12.1	590
V339624		9.50	14.45	0.12	0.9	1.615	2.73	17.9	16.5	0.71	2360	17.75	0.06	5.0	15.0	470
V339625		1.95	17.10	0.14	1.0	0.256	1.00	15.4	31.0	0.70	689	1.66	1.21	8.7	10.4	660
V339626		1.99	17.15	0.11	1.0	0.247	1.04	17.0	30.5	0.74	693	1.54	1.21	8.7	10.5	670
V339627		1.89	17.55	0.13	1.0	0.241	0.91	15.1	17.2	0.82	672	1.03	2.93	8.5	2.7	610
V339628		3.24	17.55	0.12	1.1	0.440	2.20	17.0	26.7	0.52	1180	1.35	0.36	7.9	2.2	620
V339629		1.79	17.50	0.13	1.1	0.188	1.30	16.7	29.2	0.70	682	1.02	0.98	8.3	2.5	600
V339630		5.42	15.55	0.11	1.4	0.953	2.99	20.5	25.0	0.72	2010	12.55	0.28	7.7	16.0	510
V339631		2.81	17.05	0.13	1.1	0.283	1.67	13.9	20.9	0.63	1270	1.60	1.51	8.1	7.0	610
V339632		3.35	16.55	0.13	1.4	0.138	2.43	26.3	16.9	0.75	1350	2.33	1.41	8.3	2.5	560
V339633		2.79	16.75	0.12	1.4	0.042	2.86	22.1	58.7	0.45	445	1.47	1.01	8.6	2.2	570
V339634		10.05	10.30	0.10	0.8	2.22	1.93	16.2	63.8	0.23	874	7.27	0.04	4.9	2.5	260
V339635		0.48	0.24	0.05	<0.1	0.010	0.02	0.6	1.3	13.15	205	0.13	0.01	0.2	1.1	180
V339636		3.19	17.10	0.12	1.2	0.069	2.73	23.2	29.5	0.64	801	2.48	0.86	8.9	2.1	600
V339637		3.00	16.50	0.13	1.1	0.049	2.61	20.3	34.3	0.59	535	1.73	1.08	9.2	5.9	590
V339638		3.35	16.60	0.13	1.1	0.225	2.66	27.0	51.2	0.85	1590	1.65	0.09	7.8	2.1	560
V339639		2.88	16.50	0.12	1.1	0.062	2.25	22.1	19.5	0.63	621	1.84	1.22	8.3	6.3	580
V339640		2.64	16.15	0.13	1.0	0.037	2.49	16.4	43.4	0.70	529	1.36	1.20	8.1	3.1	550
V339641		2.68	16.05	0.13	1.1	0.034	2.36	18.3	43.2	0.73	539	1.06	1.18	8.0	2.5	550
V339642		9.13	12.90	0.11	0.8	0.688	2.20	16.4	35.8	0.49	1500	2.41	0.10	5.8	3.1	410
V339643		2.90	16.55	0.14	1.1	0.051	2.00	20.1	21.6	0.73	446	0.88	1.42	8.1	2.2	580
V339644		2.75	16.95	0.13	1.1	0.134	2.63	21.8	34.2	0.58	1340	1.14	0.07	8.2	2.5	580
V339645		13.90	9.60	0.11	0.6	0.993	1.95	13.5	11.6	0.43	849	2.64	0.02	3.9	4.0	290
V339646		2.80	14.90	0.11	1.0	0.085	2.40	29.9	31.7	0.74	948	1.57	0.04	7.2	3.2	530
V339647		1.79	15.05	0.12	1.0	0.072	1.99	13.1	38.7	0.64	863	0.69	0.35	7.2	1.4	460
V339648		3.37	14.45	0.12	1.0	0.209	3.13	22.7	26.1	0.69	953	0.91	0.04	5.3	1.7	450



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142029

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V339613		54.1	90.5	<0.002	0.03	47.0	12.3	1	2.0	140.0	0.67	<0.05	14.95	0.263	1.03	4.5
V339614		1.7	1.0	<0.002	<0.01	0.23	0.2	1	<0.2	47.4	<0.05	<0.05	0.10	<0.005	<0.02	0.7
V339615		21.8	81.0	<0.002	0.06	36.6	10.5	1	1.8	140.0	0.63	<0.05	13.40	0.242	1.09	3.8
V339616		15.6	114.5	<0.002	0.02	22.0	12.7	1	2.8	72.9	0.79	<0.05	14.90	0.289	1.22	3.9
V339617		17.4	107.5	<0.002	0.06	19.70	12.3	1	3.3	79.5	0.72	<0.05	14.65	0.271	1.26	3.4
V339618		25.3	121.5	<0.002	0.13	16.95	11.1	1	2.0	75.3	0.67	<0.05	15.00	0.246	1.62	4.0
V339619		189.0	141.0	<0.002	0.27	55.1	11.9	1	2.7	40.9	0.63	0.05	15.05	0.236	1.99	4.1
V339620		42.4	100.5	<0.002	0.03	28.8	10.8	1	2.5	65.2	0.66	<0.05	14.55	0.237	1.64	3.2
V339621		680	197.0	<0.002	1.17	16.35	10.3	1	5.0	57.1	0.62	0.10	16.45	0.228	2.43	3.1
V339622		585	177.5	<0.002	0.48	43.4	9.5	1	3.7	48.5	0.56	0.11	14.85	0.231	2.51	2.8
V339623		58.6	56.1	0.003	0.40	20.4	9.6	1	3.1	106.5	0.63	0.13	11.40	0.234	1.18	2.8
V339624		1715	154.0	0.002	8.09	106.0	8.9	2	10.6	64.3	0.42	0.71	9.25	0.172	2.21	5.7
V339625		26.9	38.5	0.002	0.30	14.90	10.1	1	2.9	223	0.68	0.08	10.85	0.257	0.92	3.0
V339626		25.6	43.7	0.002	0.32	14.40	10.6	1	2.8	225	0.69	0.08	11.40	0.263	0.87	3.1
V339627		15.0	46.4	<0.002	0.05	5.73	11.0	1	2.7	376	0.69	<0.05	13.10	0.246	0.94	3.2
V339628		312	135.0	<0.002	0.94	25.1	11.4	1	4.6	76.0	0.62	0.22	14.45	0.233	2.09	2.8
V339629		17.9	89.2	<0.002	0.06	13.35	11.6	1	3.0	178.0	0.67	<0.05	15.65	0.240	1.36	3.3
V339630		1405	156.0	<0.002	3.20	34.3	9.4	1	5.7	152.0	0.63	0.28	11.30	0.212	2.55	4.9
V339631		53.7	88.6	<0.002	0.23	10.60	10.2	1	3.0	208	0.67	0.09	12.60	0.231	1.80	3.9
V339632		116.5	113.0	<0.002	0.28	5.73	10.9	1	2.5	244	0.71	<0.05	14.45	0.237	1.64	3.8
V339633		19.5	109.0	<0.002	0.03	10.65	10.2	1	1.7	215	0.74	<0.05	12.55	0.247	1.25	2.3
V339634		1870	115.5	<0.002	9.52	233	6.9	1	6.0	36.4	0.41	1.51	7.94	0.140	1.74	2.3
V339635		4.9	1.2	<0.002	0.02	0.74	0.2	1	<0.2	46.8	<0.05	<0.05	0.11	<0.005	<0.02	0.5
V339636		43.3	108.5	<0.002	0.12	12.10	11.0	1	2.0	152.5	0.73	<0.05	13.30	0.267	1.88	3.7
V339637		22.2	97.0	<0.002	0.04	14.70	10.9	1	1.9	180.0	0.69	<0.05	13.05	0.253	1.40	3.3
V339638		290	121.5	<0.002	0.34	18.55	10.2	1	2.6	78.6	0.64	<0.05	13.55	0.236	2.55	5.4
V339639		23.5	85.1	<0.002	0.06	7.49	10.2	1	2.2	183.5	0.68	<0.05	12.25	0.244	1.27	3.7
V339640		17.7	86.5	<0.002	0.24	7.00	9.4	1	2.2	219	0.63	<0.05	10.70	0.243	1.69	2.9
V339641		15.1	89.6	<0.002	0.17	6.63	9.7	1	2.1	214	0.65	<0.05	11.85	0.237	1.58	2.7
V339642		1975	120.0	<0.002	8.54	64.0	7.9	1	5.3	65.0	0.48	1.85	9.90	0.170	2.03	3.4
V339643		13.0	84.8	<0.002	0.06	4.29	9.9	1	2.8	204	0.69	<0.05	12.55	0.237	1.39	2.9
V339644		127.0	104.0	<0.002	0.44	13.20	10.4	1	3.2	79.7	0.69	<0.05	12.90	0.238	2.07	4.5
V339645		1265	119.5	<0.002	>10.0	119.5	5.7	2	7.6	27.7	0.32	1.20	6.65	0.113	1.72	2.3
V339646		45.4	115.5	<0.002	0.87	17.05	9.6	1	2.7	70.0	0.62	0.11	13.25	0.215	1.84	3.3
V339647		39.7	91.6	<0.002	0.39	5.79	8.2	1	2.7	161.0	0.68	0.07	14.15	0.192	1.76	4.1
V339648		443	207	<0.002	1.95	5.30	7.7	1	4.2	99.2	0.52	0.48	15.10	0.132	2.29	3.0



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142029

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	Au-AA24 Au ppm 0.005
V339613		68	6.8	20.0	725	32.3	0.022
V339614		2	0.1	0.8	18	<0.5	<0.005
V339615		62	5.8	17.2	605	27.6	<0.005
V339616		78	2.0	18.9	548	32.8	<0.005
V339617		74	2.6	17.1	317	31.1	<0.005
V339618		69	3.8	18.3	663	28.5	<0.005
V339619		69	2.0	20.1	1100	23.5	0.031
V339620		62	1.9	14.8	320	25.2	0.015
V339621		74	5.6	13.4	878	21.1	0.078
V339622		63	3.5	12.9	1360	20.5	0.053
V339623		65	1.3	13.9	222	22.8	0.005
V339624		56	7.7	9.5	3440	24.2	1.645
V339625		71	2.6	16.1	149	26.8	<0.005
V339626		73	2.7	16.7	144	27.0	<0.005
V339627		64	0.8	16.1	88	26.2	<0.005
V339628		65	2.7	14.2	859	26.8	0.047
V339629		65	1.0	17.4	178	29.8	0.005
V339630		59	5.4	11.8	3110	40.5	0.823
V339631		61	2.6	14.5	290	27.6	0.008
V339632		65	1.9	17.9	189	35.2	0.029
V339633		65	1.6	15.1	157	34.0	0.008
V339634		41	3.0	11.0	4010	19.4	4.58
V339635		2	0.1	0.8	27	<0.5	<0.005
V339636		74	2.1	15.6	342	29.7	0.037
V339637		69	1.8	15.2	72	32.0	0.016
V339638		64	2.3	15.2	755	28.1	0.163
V339639		67	1.8	15.8	64	31.0	<0.005
V339640		64	2.2	13.0	46	26.9	0.008
V339641		65	2.0	13.9	44	28.4	0.014
V339642		48	2.0	10.6	3320	20.8	1.230
V339643		63	1.6	14.0	51	29.0	<0.005
V339644		65	3.7	14.8	490	31.2	0.009
V339645		34	2.8	7.8	1720	19.4	2.04
V339646		64	2.2	14.5	156	28.6	0.029
V339647		54	1.2	11.7	64	25.6	0.007
V339648		47	3.5	7.6	759	25.5	0.322



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17142029

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-06	CRU-31
CRU-QC	LOG-21	LOG-21d	LOG-23
ME-MS61	ME-OG62	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE WH17142034

Project: Klaza

P.O. No.: 17-029

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17142034

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V340689		5.94	0.65	7.09	20.3	890	1.52	1.82	1.60	0.34	46.8	9.0	18	17.95	21.4	4.23
V340690		6.80	1.56	6.58	65.1	700	1.29	7.66	1.25	0.39	49.0	9.5	15	20.8	195.0	4.39
V340691		8.48	0.37	7.73	26.5	1030	1.30	0.80	2.05	0.48	55.0	10.1	19	15.30	29.0	3.99
V340692		6.28	0.39	7.43	82.4	1160	1.47	0.58	2.27	0.90	45.4	8.3	20	17.55	55.8	3.44
V340693		5.72	1.40	5.80	148.5	90	1.24	4.68	2.61	1.30	33.4	9.4	15	12.65	79.8	8.42
V340694		3.50	2.56	6.16	74.3	800	1.18	4.32	0.68	0.76	47.0	6.0	20	4.77	49.4	8.58
V340695		7.88	1.13	7.29	55.7	780	1.46	2.59	1.40	0.79	57.2	7.0	16	10.65	76.7	4.57
V340696		9.28	0.48	7.37	64.7	620	1.50	0.96	2.41	0.41	44.6	8.7	16	14.25	39.9	4.03
V340697		3.94	0.57	7.45	77.7	1180	1.60	1.01	1.97	0.44	44.9	8.8	15	15.35	40.1	3.79
V340698		5.08	0.47	7.01	66.7	630	1.43	1.06	3.02	0.96	45.9	8.8	13	15.70	32.6	4.06
V340699		5.18	18.50	4.99	388	1900	0.96	24.2	6.66	92.0	35.6	11.7	11	9.18	1185	6.15
V340700		0.32	9.71	6.56	1790	530	1.52	6.29	1.90	41.4	43.1	16.5	21	16.50	109.5	5.24
V340701		11.84	0.42	7.79	82.4	1040	1.73	0.76	2.65	1.24	50.5	7.8	13	22.2	103.5	3.60
V340702		10.72	1.01	6.92	89.0	540	1.55	3.01	2.27	0.51	40.9	14.9	13	16.15	308	3.84
V340703		4.24	1.13	7.34	178.0	320	1.20	2.65	0.92	1.08	48.6	9.7	24	9.07	53.6	5.74
V340704		3.70	0.64	6.56	80.0	800	1.21	2.19	1.32	1.64	36.5	8.5	21	7.85	21.1	6.80
V340705		11.10	0.41	7.43	73.5	1710	1.57	0.75	2.25	0.55	46.8	7.5	13	17.40	84.6	3.74
V340706		5.12	0.73	6.52	32.0	230	1.45	2.34	3.50	0.97	44.1	12.8	15	13.70	23.1	5.56
V340707		8.68	0.18	8.07	18.3	2230	1.57	0.45	2.49	1.21	40.1	9.4	11	14.00	20.9	3.60
V340708		3.94	0.66	5.70	130.0	1840	1.04	3.79	6.28	0.51	37.0	14.6	15	10.35	26.5	5.76
V340709		6.14	0.01	0.07	1.2	20	0.06	0.03	21.2	0.06	1.14	0.9	1	0.17	2.8	0.48
V340710		8.68	0.49	7.49	169.0	810	1.49	1.10	2.42	0.33	52.3	8.3	17	22.5	29.0	4.59
V340711		5.06	0.43	6.80	24.5	630	1.31	1.67	2.01	0.54	43.2	19.1	16	15.30	37.1	6.83
V340712		4.32	0.36	7.57	108.5	510	1.44	0.67	1.95	2.68	44.8	8.6	18	15.40	19.1	5.06
V340713		4.34	0.47	7.63	38.7	860	1.58	0.97	2.32	0.57	46.0	7.4	20	14.05	48.3	3.75
V340714		7.86	0.30	7.60	20.6	1150	1.58	0.98	2.85	0.37	49.9	8.9	24	21.5	35.3	4.22
V340715		<0.02	0.31	7.35	20.1	1450	1.54	0.88	2.63	0.36	49.3	8.5	15	21.5	32.6	3.89
V340716		10.82	0.23	7.79	19.1	690	1.54	0.85	2.16	0.38	50.3	12.3	16	16.15	28.7	4.43
V340717		9.88	0.68	6.88	42.2	490	1.29	1.91	1.80	0.59	38.1	9.8	16	14.10	145.0	6.04
V340718		10.04	0.35	7.17	17.2	560	1.58	1.25	2.49	0.34	46.6	8.4	14	17.15	65.6	4.03
V340719		12.06	0.45	7.19	65.1	290	1.44	1.27	2.14	1.01	44.8	9.5	14	14.65	46.3	4.78
V340720		6.06	1.11	6.53	120.0	710	1.08	1.56	2.41	1.85	39.5	10.4	20	10.75	85.2	7.98
V340721		0.36	11.85	6.74	1600	690	1.48	11.95	1.93	32.7	43.9	18.3	20	13.95	298	6.86
V340722		6.04	0.02	0.07	0.5	700	<0.05	0.03	22.3	0.07	1.15	0.9	1	0.14	2.5	0.52
V340723		9.00	0.39	7.54	27.6	360	1.41	1.17	2.13	0.42	57.7	18.3	18	15.15	25.8	4.50
V340724		7.70	0.25	7.50	32.1	310	1.31	1.20	1.61	0.10	61.9	10.6	23	11.55	31.4	5.17



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142034

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V340689		14.55	0.10	1.3	0.129	2.99	25.3	24.8	0.62	504	8.70	0.07	7.2	2.3	430
V340690		13.90	0.11	0.9	0.149	2.24	27.1	49.4	0.50	493	3.83	0.05	6.6	2.7	470
V340691		14.80	0.05	1.0	0.099	3.09	30.2	24.3	0.84	542	2.40	0.07	5.7	2.4	570
V340692		15.05	0.06	1.0	0.061	3.15	23.4	34.9	0.74	482	4.95	0.08	6.6	2.5	580
V340693		13.45	<0.05	0.8	0.168	3.06	17.1	7.5	0.44	689	9.87	0.05	4.2	2.7	470
V340694		11.80	<0.05	1.2	0.118	2.98	24.8	6.9	0.49	518	17.60	0.05	3.9	1.8	320
V340695		15.25	0.07	1.3	0.110	3.44	31.3	13.9	0.60	423	3.22	0.08	5.8	2.1	460
V340696		15.40	0.05	0.9	0.117	3.09	22.8	32.6	0.83	687	2.23	0.06	6.5	2.3	560
V340697		15.85	0.07	0.9	0.102	3.06	23.4	31.4	0.68	571	1.66	0.07	6.7	2.5	540
V340698		13.65	0.07	0.9	0.047	3.13	24.6	10.1	1.28	918	3.73	0.04	5.3	2.2	490
V340699		11.05	<0.05	0.7	1.145	2.29	19.1	13.7	0.64	2040	3.17	0.04	3.4	2.4	380
V340700		14.75	0.06	1.3	0.893	2.91	22.5	24.4	0.70	1940	12.20	0.27	7.3	15.2	480
V340701		15.90	0.07	1.0	0.069	3.12	27.4	18.6	0.97	734	1.58	0.05	6.5	2.5	570
V340702		15.65	0.07	0.9	0.107	3.03	20.6	24.4	0.68	439	2.50	0.63	6.2	2.7	560
V340703		16.85	0.05	0.8	0.133	3.65	25.5	10.3	0.54	560	2.90	0.06	3.7	2.8	520
V340704		11.90	0.06	1.0	0.154	3.22	18.2	10.0	0.52	593	2.65	0.06	3.4	2.5	470
V340705		14.90	0.08	1.0	0.112	3.04	25.3	23.7	0.80	571	1.45	0.12	6.8	2.6	540
V340706		14.70	0.05	0.8	0.096	2.99	21.9	19.7	0.61	679	1.71	0.06	5.6	2.5	540
V340707		14.90	0.05	0.8	0.068	2.62	19.9	58.7	0.73	811	12.10	0.10	7.8	3.2	660
V340708		10.50	0.05	0.5	0.148	2.71	19.7	9.2	0.64	935	2.84	0.05	4.2	2.4	440
V340709		0.28	0.14	<0.1	0.005	0.03	0.6	1.0	12.90	209	0.15	<0.01	0.1	1.3	180
V340710		14.45	<0.05	0.9	0.124	3.16	28.6	18.9	0.89	803	3.36	0.05	6.3	2.4	540
V340711		12.40	<0.05	0.8	0.125	3.18	22.2	18.3	0.81	783	13.65	0.06	5.2	2.2	490
V340712		14.80	0.08	0.9	0.144	3.33	23.6	26.1	0.73	1200	1.88	0.08	6.3	2.4	590
V340713		15.70	0.07	1.1	0.088	3.43	23.8	24.9	0.72	675	4.86	0.08	5.9	2.2	590
V340714		15.05	0.07	1.0	0.081	3.17	26.7	17.0	1.01	436	2.10	0.22	6.0	2.5	600
V340715		15.10	0.06	1.0	0.083	3.09	26.5	17.1	0.94	407	1.57	0.23	6.0	2.3	580
V340716		15.65	0.08	1.1	0.084	3.20	26.6	27.3	0.67	545	3.92	0.12	6.8	2.5	560
V340717		12.70	0.06	0.8	0.088	3.15	19.1	12.5	0.71	1100	3.65	0.14	5.0	2.4	500
V340718		15.15	0.07	0.9	0.147	3.56	24.2	13.3	0.89	606	3.83	0.52	6.0	2.6	630
V340719		14.70	0.08	0.9	0.131	3.65	22.7	11.8	0.91	1370	2.60	0.06	4.8	2.5	580
V340720		13.40	0.06	0.7	0.099	3.15	20.9	9.2	1.11	2220	3.13	0.05	3.2	2.3	490
V340721		15.55	0.06	1.0	0.815	3.04	22.8	20.0	0.78	1840	9.14	0.13	6.4	12.4	550
V340722		0.28	0.14	<0.1	0.005	0.03	0.6	1.0	13.50	226	0.19	<0.01	0.1	1.2	190
V340723		14.35	0.08	0.8	0.153	3.64	30.6	12.6	0.98	830	12.95	0.05	3.2	2.6	630
V340724		14.90	0.06	0.9	0.188	3.93	32.1	14.5	0.79	603	3.94	0.07	3.0	2.0	600



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17142034

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V340689		129.0	0.002	2.34	11.45	9.0	2	3.8	62.1	0.80	0.07	17.60	0.171	1.90	7.1	60
V340690		104.0	<0.002	2.64	35.5	9.7	2	6.8	64.0	0.58	0.31	13.45	0.195	1.61	5.6	61
V340691		141.5	<0.002	2.04	9.98	9.5	1	6.7	89.2	0.47	0.13	13.95	0.201	2.18	4.9	64
V340692		109.5	<0.002	2.18	9.25	9.6	1	3.4	93.6	0.53	<0.05	12.65	0.226	2.24	5.7	67
V340693		118.0	<0.002	8.01	9.79	7.8	3	10.4	67.6	0.33	0.75	8.87	0.146	2.13	4.7	57
V340694		124.5	<0.002	8.71	7.97	6.2	5	12.0	19.9	0.58	1.18	16.65	0.093	1.74	3.5	43
V340695		156.0	<0.002	3.72	5.89	8.2	2	7.5	53.4	0.69	0.74	18.50	0.153	2.18	4.7	53
V340696		110.0	<0.002	2.43	7.85	9.7	1	4.2	79.9	0.53	0.06	12.30	0.223	2.59	3.8	66
V340697		115.5	<0.002	2.31	7.66	9.6	1	4.0	70.9	0.55	0.19	13.05	0.223	2.54	4.7	64
V340698		140.5	<0.002	3.04	10.25	8.8	1	2.9	51.5	0.46	0.20	13.05	0.177	2.89	2.9	55
V340699		117.0	<0.002	6.16	261	6.3	1	7.1	185.0	0.29	0.27	9.92	0.116	1.77	4.2	41
V340700		156.5	0.002	3.10	33.2	8.6	1	5.7	149.0	0.58	0.30	11.10	0.210	2.49	5.1	56
V340701		140.0	<0.002	2.24	15.15	10.2	1	3.2	68.4	0.51	0.13	12.80	0.230	2.88	4.2	65
V340702		112.0	<0.002	2.34	24.2	9.8	1	4.1	187.0	0.48	1.01	9.60	0.216	2.34	4.8	64
V340703		178.5	<0.002	5.48	8.83	9.8	2	10.0	29.1	0.29	0.31	10.70	0.142	2.43	2.7	63
V340704		142.5	<0.002	6.64	5.05	8.8	3	9.1	43.8	0.29	0.25	11.30	0.125	1.92	2.9	63
V340705		130.5	<0.002	1.62	8.08	10.1	1	3.2	91.2	0.57	0.12	13.05	0.225	2.28	6.1	62
V340706		116.0	<0.002	4.66	4.51	9.7	2	8.5	101.0	0.42	0.43	9.68	0.196	2.09	4.2	64
V340707		82.8	<0.002	1.02	5.76	10.5	1	2.7	117.5	0.56	<0.05	11.50	0.276	1.64	4.7	71
V340708		125.5	<0.002	5.43	7.56	7.7	4	7.3	174.5	0.30	1.58	7.35	0.154	2.05	6.1	54
V340709		1.2	<0.002	<0.01	0.10	0.2	1	<0.2	43.9	<0.05	<0.05	0.09	<0.005	<0.02	0.5	2
V340710		134.5	<0.002	3.40	14.45	9.5	2	4.1	72.4	0.47	0.30	11.80	0.222	3.00	4.0	64
V340711		128.0	<0.002	5.38	10.85	8.8	4	5.7	77.1	0.39	0.44	9.87	0.184	2.26	4.2	59
V340712		137.5	<0.002	3.66	11.50	10.1	1	7.4	94.6	0.46	0.06	10.60	0.227	2.54	3.9	65
V340713		145.0	<0.002	2.51	14.70	9.6	1	6.4	91.4	0.47	0.13	12.20	0.217	2.49	4.5	66
V340714		123.0	<0.002	2.20	8.59	9.9	1	3.5	117.0	0.47	0.09	12.40	0.223	2.28	6.3	69
V340715		121.0	<0.002	1.96	8.41	10.0	1	3.5	117.5	0.47	0.09	12.30	0.212	2.26	6.3	65
V340716		129.5	<0.002	2.98	7.43	10.6	2	4.6	113.5	0.53	0.14	13.50	0.223	2.11	5.5	66
V340717		133.0	<0.002	5.24	4.50	9.4	3	6.1	86.8	0.36	0.45	9.94	0.178	2.08	6.1	62
V340718		152.0	<0.002	2.39	2.64	10.8	2	3.7	236	0.46	0.34	11.65	0.211	2.68	4.1	69
V340719		168.0	<0.002	3.87	6.02	10.3	2	4.8	81.9	0.37	0.24	10.65	0.181	3.09	3.2	65
V340720		160.5	<0.002	7.91	16.30	8.4	3	5.7	47.2	0.26	0.21	9.50	0.131	2.81	3.3	59
V340721		165.5	0.002	4.81	64.3	9.6	2	7.9	98.6	0.52	1.23	11.00	0.217	2.61	5.0	64
V340722		1.2	<0.002	0.03	0.13	0.2	1	<0.2	57.6	<0.05	<0.05	0.08	<0.005	<0.02	0.4	2
V340723		170.0	0.003	3.76	5.54	10.1	2	4.3	76.3	0.26	0.20	10.60	0.139	2.91	3.9	67
V340724		182.0	<0.002	4.21	5.12	9.7	2	5.2	103.5	0.24	0.17	11.90	0.124	2.75	4.1	63



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Page: 2 - D
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Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340689		13.6	14.2	72	32.3	0.010
V340690		10.0	14.2	77	24.0	0.029
V340691		3.5	12.1	90	25.4	0.049
V340692		3.5	13.3	121	25.6	0.082
V340693		8.7	9.8	125	23.8	0.490
V340694		14.3	8.9	96	29.2	0.163
V340695		5.7	11.4	105	32.5	0.518
V340696		7.7	12.5	102	25.7	0.042
V340697		6.8	12.4	117	25.0	0.047
V340698		2.5	13.0	119	24.8	0.101
V340699		5.1	13.3	9390	18.4	7.24
V340700		5.0	11.1	3050	39.8	0.789
V340701		4.3	14.4	147	26.9	0.068
V340702		2.4	12.4	104	22.9	0.128
V340703		10.2	9.0	116	19.8	0.211
V340704		18.7	9.2	195	25.2	0.060
V340705		3.3	14.0	114	27.7	0.030
V340706		9.9	13.3	132	20.6	0.048
V340707		8.4	14.2	157	23.0	0.007
V340708		16.5	11.0	103	14.1	0.067
V340709		0.1	0.8	15	<0.5	<0.005
V340710		9.7	13.7	80	23.6	0.087
V340711		12.2	11.6	82	20.7	0.027
V340712		9.9	12.1	268	24.1	0.065
V340713		5.6	11.5	112	28.0	0.045
V340714		5.8	13.1	95	28.0	0.133
V340715		6.0	13.2	87	27.3	0.167
V340716		10.6	14.0	85	29.2	0.013
V340717		15.4	12.2	80	23.8	0.055
V340718		7.7	12.9	85	25.4	0.141
V340719		10.3	12.1	135	23.8	0.057
V340720		11.3	9.4	185	17.7	0.186
V340721		5.8	11.9	2490	29.9	0.908
V340722		0.2	0.8	19	<0.5	<0.005
V340723		9.1	10.0	73	20.9	0.168
V340724		10.8	10.2	49	22.7	0.027



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17142034

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE WH17142039

Project: Klaza

P.O. No.: 17-026

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142039

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V339837		2.30	34.9	4.42	1125	780	0.90	61.8	1.59	13.70	18.75	5.1	29	3.97	1985	11.60
V339838		4.22	9.88	6.87	432	210	1.44	21.5	0.95	5.55	44.5	5.7	20	8.07	2800	5.66
V339839		7.80	1.49	7.04	71.6	840	1.57	9.91	2.11	0.63	48.5	6.4	19	16.30	607	3.52
V339840		8.54	1.54	7.29	34.4	820	1.47	3.13	2.02	1.77	47.9	8.0	16	15.45	1100	3.55
V339841		3.74	0.70	8.25	49.6	1160	2.20	2.27	0.93	20.2	50.2	14.0	14	18.60	1475	3.91
V339842		3.72	0.85	8.26	61.0	630	2.37	3.41	0.76	9.70	42.8	9.8	12	28.1	1580	3.39
V339843		<0.02	0.84	8.29	61.9	650	2.42	3.89	0.75	9.52	40.5	10.1	15	29.0	1565	3.48
V339844		5.16	1.63	7.50	89.1	640	1.52	4.48	1.58	8.12	54.0	7.4	16	15.70	961	3.62
V339845		3.08	14.45	5.70	657	40	1.01	30.2	3.16	17.60	44.6	9.7	8	7.73	1495	17.15
V339846		6.44	3.87	7.26	219	270	1.49	5.11	1.16	4.05	46.9	6.3	16	12.80	1630	4.13
V339847		2.42	3.05	6.25	202	120	1.14	5.09	0.72	4.15	28.2	6.2	16	4.95	804	5.60
V339848		5.02	3.32	7.07	205	150	1.46	5.59	0.79	3.84	37.1	12.7	19	9.86	977	5.28
V339849		13.36	2.25	7.06	114.5	1110	1.33	2.26	1.75	1.55	43.1	9.5	15	14.70	498	3.60
V339850		5.40	1.19	6.80	94.1	720	1.41	3.01	2.15	0.71	43.1	7.6	17	12.70	479	3.06
V339851		0.32	9.62	6.36	1820	240	1.41	6.01	1.90	39.8	40.0	16.4	21	15.90	111.5	5.14
V339852		4.50	1.34	7.20	177.5	290	1.59	2.97	1.62	1.25	54.7	10.3	15	17.05	390	4.97
V339853		3.68	0.58	6.64	37.0	1560	1.54	1.36	2.80	0.46	43.3	6.2	15	14.50	184.0	3.10
V339854		4.90	1.47	6.76	69.9	730	1.40	4.09	1.85	0.59	46.8	7.9	17	12.20	497	3.95
V339855		6.06	0.01	0.13	<0.2	30	0.10	0.06	20.9	0.07	1.30	0.8	3	0.34	5.8	0.48
V339856		5.38	1.81	6.84	81.2	620	1.34	7.40	2.87	0.58	49.5	10.2	13	19.20	461	3.72
V339857		8.44	1.46	6.96	47.8	260	1.41	7.62	2.32	0.85	44.1	10.4	17	16.40	434	3.85
V339858		6.04	4.75	7.93	254	1750	2.16	5.26	0.77	10.45	62.2	7.2	17	41.2	341	4.31
V339859		7.28	10.10	7.35	266	1370	1.43	10.30	0.09	1.98	50.8	0.9	11	22.8	193.0	2.90
V339860		0.36	12.65	6.59	1590	820	1.41	12.05	1.89	32.7	46.6	18.0	19	14.00	279	6.53
V339861		9.18	4.61	7.50	96.6	1690	1.46	10.60	0.25	4.91	50.8	7.1	15	15.95	299	3.98
V339862		4.60	0.32	6.70	45.8	2430	1.55	0.78	3.66	0.49	44.9	10.1	12	20.9	128.0	3.05
V339863		3.86	0.53	7.11	103.0	460	1.43	1.47	2.11	0.31	43.5	12.4	12	17.50	146.0	3.13
V339864		6.04	0.02	0.08	0.4	40	0.08	0.07	21.2	0.07	1.25	0.8	1	0.24	3.2	0.47
V339865		7.94	0.42	7.57	21.8	2410	1.49	1.14	1.87	0.25	45.6	8.9	11	20.0	80.9	3.18
V339866		10.56	1.30	7.39	97.9	420	1.54	3.14	2.03	1.18	50.1	10.8	13	14.15	317	4.31
V339867		4.14	1.22	7.31	93.7	790	1.58	2.67	2.07	0.82	49.6	8.9	13	14.40	347	3.78
V339868		4.52	0.50	6.89	22.8	300	1.52	1.59	2.30	0.65	48.6	9.1	10	19.95	48.9	4.83
V339869		4.64	1.28	7.12	73.0	270	1.55	2.14	0.98	2.01	51.2	10.1	15	10.90	72.5	4.35
V339870		5.10	5.75	6.81	122.5	90	1.18	6.28	0.37	4.52	47.4	6.9	17	5.72	200	5.71
V339871		6.02	0.58	7.02	27.1	570	1.61	1.55	1.85	0.63	51.6	7.3	16	17.35	45.3	3.56
V339872		4.82	0.36	7.37	19.7	1880	1.85	0.61	2.30	0.35	42.8	5.8	14	20.8	33.4	3.21



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142039

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V339837		11.25	0.12	0.5	0.715	2.12	9.8	10.4	0.83	1190	16.20	0.04	1.2	2.6	280
V339838		18.45	0.15	0.8	0.382	3.35	22.7	8.0	0.62	416	3.24	0.05	4.0	2.8	490
V339839		17.90	0.19	0.9	0.095	3.49	25.0	15.9	0.75	521	4.91	0.29	5.3	2.6	550
V339840		17.10	0.21	1.0	0.124	3.40	25.2	16.8	0.71	427	2.50	0.77	5.5	2.6	560
V339841		18.10	0.19	1.0	0.102	3.45	26.2	26.3	0.50	507	1.97	0.07	5.2	4.7	620
V339842		16.60	0.17	0.9	0.251	3.37	21.8	14.7	0.45	185	1.65	0.05	5.1	5.2	730
V339843		16.95	0.17	1.0	0.255	3.38	19.7	15.1	0.44	187	2.16	0.05	5.1	5.6	740
V339844		18.30	0.19	1.0	0.237	3.58	29.1	8.5	0.83	661	2.57	0.04	4.4	2.8	580
V339845		23.1	0.16	0.8	0.479	2.94	21.8	4.5	1.40	2740	2.88	0.05	2.8	3.1	550
V339846		17.60	0.15	1.0	0.285	3.48	24.3	9.7	0.72	650	2.19	0.05	3.8	2.8	560
V339847		16.05	0.13	0.8	0.196	2.99	14.1	10.5	0.56	387	4.04	0.06	2.5	2.8	430
V339848		18.20	0.14	0.8	0.312	3.57	18.5	13.3	0.66	544	2.27	0.05	3.0	2.8	560
V339849		16.30	0.15	1.0	0.117	2.65	22.2	35.2	0.68	688	2.42	0.05	5.0	2.7	560
V339850		17.35	0.17	1.0	0.089	3.38	21.1	22.2	0.71	441	2.31	0.09	5.7	2.7	550
V339851		14.90	0.15	1.3	0.865	2.83	19.9	24.7	0.67	1960	12.35	0.26	7.4	16.0	490
V339852		16.15	0.18	1.0	0.152	3.25	29.0	14.3	0.76	1350	2.53	0.04	4.0	3.2	530
V339853		15.65	0.18	1.1	0.075	3.24	22.6	17.3	0.73	459	3.75	0.26	5.5	4.8	560
V339854		15.85	0.16	0.9	0.179	3.25	25.6	10.2	0.88	763	6.70	0.07	3.4	2.7	520
V339855		0.38	0.30	<0.1	0.006	0.04	0.6	2.5	12.80	200	0.20	0.01	0.1	2.1	180
V339856		14.75	0.18	0.9	0.075	2.95	28.0	13.0	1.18	563	4.84	0.05	4.1	2.5	520
V339857		15.75	0.14	0.9	0.097	3.08	23.1	10.5	0.71	436	12.40	0.23	4.6	2.5	550
V339858		19.15	0.16	3.1	0.214	2.62	33.6	38.5	0.27	918	2.44	0.07	10.0	6.2	1070
V339859		18.40	0.16	1.2	1.170	3.40	29.1	10.9	0.33	132	3.98	0.05	6.6	1.0	390
V339860		15.20	0.14	1.1	0.774	2.87	25.6	19.8	0.77	1800	9.23	0.12	6.6	12.5	510
V339861		16.90	0.14	1.0	0.274	3.40	28.3	13.1	0.29	698	5.76	0.13	7.3	2.2	490
V339862		14.50	0.16	1.1	0.077	2.38	24.3	27.3	1.22	705	1.46	0.07	6.9	2.4	530
V339863		14.50	0.15	1.0	0.091	2.29	23.6	29.7	0.75	486	3.45	0.04	6.5	3.5	560
V339864		0.30	0.33	<0.1	0.005	0.02	0.6	1.0	12.95	198	0.10	0.01	0.2	1.9	200
V339865		16.40	0.23	1.3	0.093	2.70	24.0	22.3	0.57	485	1.42	0.47	8.2	2.4	630
V339866		17.30	0.18	1.2	0.143	3.08	26.9	16.7	0.73	454	2.81	0.44	6.6	3.0	590
V339867		17.30	0.18	1.1	0.134	3.08	27.4	15.6	0.69	443	2.39	0.50	6.9	2.6	580
V339868		13.35	0.16	1.0	0.139	2.99	27.1	18.4	0.60	813	1.75	0.07	6.6	2.6	530
V339869		15.50	0.14	1.0	0.174	3.49	28.8	8.1	0.64	947	2.38	0.05	4.3	2.4	470
V339870		13.90	0.14	0.9	0.136	3.36	25.4	5.7	0.42	288	1.80	0.06	3.9	2.6	510
V339871		14.50	0.14	1.0	0.081	3.15	28.6	18.2	0.67	752	1.55	0.06	6.2	2.4	550
V339872		15.50	0.17	1.0	0.057	2.38	21.9	24.7	0.69	655	1.46	0.57	8.0	2.7	580



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142039

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V339837		123.5	0.007	>10.0	246	5.2	2	11.3	45.5	0.11	1.64	7.21	0.057	1.47	3.6	39
V339838		163.5	0.002	5.42	155.5	8.8	3	15.0	30.7	0.33	1.86	12.00	0.144	2.23	4.3	58
V339839		137.0	0.002	2.08	13.70	9.4	2	7.3	126.5	0.42	0.97	12.30	0.188	2.47	4.6	63
V339840		128.5	<0.002	2.01	14.00	9.5	2	5.9	187.5	0.44	0.53	12.80	0.194	2.17	4.6	65
V339841		153.0	0.002	1.95	7.36	10.4	3	5.7	56.7	0.42	0.35	14.90	0.186	2.38	8.3	66
V339842		145.5	0.002	1.65	7.73	10.7	2	4.9	39.6	0.41	0.49	15.60	0.189	2.60	14.7	67
V339843		148.5	0.002	1.67	7.19	10.8	2	5.0	40.4	0.41	0.63	15.50	0.186	2.62	15.1	68
V339844		185.0	0.002	2.67	7.75	9.8	2	8.4	46.4	0.37	0.88	14.65	0.167	3.12	4.0	64
V339845		102.5	0.002	>10.0	19.25	7.7	3	16.0	48.9	0.24	2.23	8.17	0.105	2.13	7.0	56
V339846		182.5	0.002	3.17	38.8	9.1	1	10.1	60.5	0.32	1.27	13.30	0.145	2.73	5.2	60
V339847		144.0	0.004	5.39	55.5	8.4	2	13.1	16.9	0.22	0.47	10.10	0.097	1.58	4.5	55
V339848		194.0	0.003	4.51	94.6	9.4	1	12.3	34.3	0.25	1.09	12.45	0.134	3.00	3.4	65
V339849		111.0	0.002	1.96	95.4	9.5	1	4.9	77.7	0.44	0.63	12.70	0.181	2.37	5.1	65
V339850		119.0	0.002	1.86	19.20	9.1	2	5.3	102.0	0.50	0.63	11.45	0.190	2.38	3.3	62
V339851		139.5	0.003	3.05	33.6	8.1	1	5.7	143.5	0.61	0.29	10.75	0.206	2.41	4.7	57
V339852		164.5	0.002	4.68	16.45	9.3	2	6.4	52.9	0.38	0.74	13.90	0.147	2.90	3.4	60
V339853		110.0	0.004	1.59	8.19	9.2	2	5.1	120.5	0.47	0.28	12.05	0.187	2.27	4.3	64
V339854		153.5	0.002	3.32	7.19	9.6	2	9.8	56.3	0.28	0.77	13.05	0.132	2.49	3.5	61
V339855		1.8	<0.002	<0.01	0.70	0.3	<1	<0.2	48.1	<0.05	<0.05	0.21	<0.005	<0.02	0.8	3
V339856		119.0	0.003	2.61	15.90	8.9	2	5.4	65.6	0.34	0.77	12.70	0.154	2.12	3.2	57
V339857		124.5	0.003	3.25	5.71	9.6	2	6.4	119.0	0.36	1.15	11.60	0.166	2.30	3.7	61
V339858		139.0	<0.002	0.28	33.8	7.7	1	4.5	214	0.72	0.21	13.05	0.296	2.22	4.7	63
V339859		185.5	0.002	0.24	39.8	9.4	1	12.4	129.0	0.52	0.66	11.10	0.214	2.77	3.1	64
V339860		165.5	0.002	4.61	63.0	9.6	2	8.0	97.4	0.53	1.86	12.05	0.208	2.67	5.2	62
V339861		152.5	0.002	0.59	16.55	10.1	1	6.7	43.5	0.55	0.83	11.90	0.235	2.49	2.4	70
V339862		86.0	<0.002	0.84	37.3	9.3	1	2.2	120.0	0.62	0.14	12.10	0.216	1.64	3.5	61
V339863		93.3	0.003	1.71	51.3	9.6	2	4.7	71.7	0.57	0.58	11.15	0.225	1.83	4.2	66
V339864		1.2	<0.002	<0.01	0.72	0.2	<1	<0.2	50.3	<0.05	<0.05	0.12	<0.005	<0.02	0.9	2
V339865		96.4	<0.002	0.63	19.50	10.8	1	3.0	146.0	0.68	0.31	12.40	0.261	1.56	5.3	72
V339866		142.5	<0.002	3.01	59.4	10.7	1	9.1	117.0	0.56	0.48	12.85	0.212	2.13	4.5	69
V339867		136.5	<0.002	2.39	61.2	10.3	1	8.6	130.5	0.59	0.40	12.35	0.219	2.02	5.1	67
V339868		124.0	0.002	3.54	9.58	9.8	3	5.3	79.8	0.52	0.11	13.10	0.206	2.04	3.9	61
V339869		193.5	0.002	4.22	11.50	8.9	1	8.1	27.8	0.41	0.40	15.75	0.130	2.93	3.2	56
V339870		154.0	0.003	6.07	34.1	9.5	4	11.2	14.8	0.31	2.33	10.70	0.147	2.13	2.5	61
V339871		151.5	0.002	1.97	9.22	10.0	1	3.9	86.4	0.51	0.39	14.10	0.206	2.79	4.7	62
V339872		95.8	0.002	0.89	10.45	10.2	1	3.2	172.5	0.63	0.17	12.70	0.254	2.34	4.7	67



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142039

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V339837		5.5	5.6	1320	12.5	1.375
V339838		17.1	8.6	300	21.5	0.368
V339839		11.3	11.4	142	24.8	0.185
V339840		7.3	11.8	242	25.8	0.269
V339841		7.4	13.4	672	25.7	0.087
V339842		6.0	11.6	385	24.9	0.062
V339843		6.1	11.4	393	26.2	0.058
V339844		8.9	9.6	291	25.6	0.124
V339845		16.3	10.4	1340	19.2	1.180
V339846		9.6	9.4	265	25.8	0.208
V339847		7.8	6.8	189	21.3	0.318
V339848		11.9	8.1	262	22.0	0.232
V339849		8.4	10.5	183	26.9	0.505
V339850		11.4	11.2	123	27.4	0.119
V339851		5.1	10.2	3050	40.1	0.816
V339852		10.2	10.6	149	25.3	0.286
V339853		9.7	12.6	94	27.8	0.063
V339854		8.8	9.6	82	23.5	0.124
V339855		0.1	0.8	18	0.5	<0.005
V339856		7.2	11.9	104	23.4	0.133
V339857		11.1	12.0	109	24.6	0.084
V339858		8.0	12.9	904	117.5	0.401
V339859		20.4	6.2	270	36.9	0.435
V339860		6.2	11.7	2410	31.2	0.873
V339861		9.0	10.9	597	26.5	0.049
V339862		2.5	16.5	88	25.9	0.023
V339863		3.7	13.1	77	25.2	0.108
V339864		0.1	0.8	17	0.6	<0.005
V339865		2.7	15.2	70	31.5	0.038
V339866		3.5	14.6	131	28.4	0.593
V339867		3.3	14.3	110	28.6	0.475
V339868		13.6	14.3	111	26.2	0.019
V339869		4.4	7.9	200	25.1	0.088
V339870		15.6	8.7	285	21.4	0.216
V339871		3.8	13.3	145	25.0	0.025
V339872		2.7	12.9	87	25.9	0.016



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17142039

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31	CRU-QC
LOG-21	LOG-21d	LOG-23	ME-MS61
PUL-31	PUL-31d	PUL-QC	SPL-21
SPL-21d	WEI-21		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE WH17142040

Project: Klaza

P.O. No.: 17-031

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142040

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V339873		2.86	1.18	7.42	128.0	530	1.77	1.44	1.69	1.24	92.3	6.8	12	21.8	111.5	4.10
V339874		2.88	6.07	5.11	486	310	1.19	5.41	1.80	26.9	59.6	24.0	10	8.40	134.0	10.10
V339875		11.12	0.62	7.20	48.6	1560	1.95	0.87	2.61	0.86	54.6	7.1	14	25.2	71.9	3.28
V339876		4.22	0.74	7.00	32.1	1640	1.83	2.55	2.59	1.11	42.8	7.7	12	21.6	164.5	2.89
V339877		2.54	1.32	6.38	55.8	780	1.34	2.80	2.10	2.66	41.7	7.2	11	11.70	31.0	5.67
V339878		3.92	1.04	7.58	67.0	1070	1.66	1.62	1.48	2.49	52.9	5.9	14	20.7	232	4.62
V339879		2.28	1.15	7.38	69.8	940	1.64	2.05	1.51	1.47	50.7	6.7	11	19.85	196.0	4.51
V339880		7.74	1.31	7.62	35.1	1460	1.88	1.91	1.88	0.40	52.3	7.6	14	22.5	104.0	4.42
V339881		6.20	0.39	7.10	17.5	2510	1.82	0.58	2.49	1.02	43.2	8.3	12	22.3	48.3	3.41
V339882		4.04	1.23	7.84	115.5	960	1.72	1.16	1.99	1.83	49.7	7.5	12	18.80	179.5	3.68
V339883		2.84	20.4	4.06	1990	150	0.53	31.7	0.53	17.60	47.6	6.6	10	5.19	1635	18.45
V339884		4.72	0.85	6.80	63.4	970	1.37	1.03	2.03	2.00	39.6	10.9	14	19.05	91.7	3.65
V339885		5.96	0.05	0.07	4.3	120	0.05	0.10	20.6	0.09	1.06	0.7	2	0.25	7.4	0.49
V339886		9.66	0.24	7.28	8.6	2770	1.57	0.54	2.35	0.45	49.8	9.7	14	15.95	37.2	3.22
V339887		7.68	0.29	7.20	7.1	2930	1.64	0.53	2.19	0.63	44.0	5.8	11	15.60	29.0	3.10
V339888		4.62	0.36	7.22	21.4	1190	1.47	0.73	1.98	0.54	38.6	7.7	12	17.40	30.9	3.18
V339889		3.76	5.45	6.27	91.0	390	1.35	6.50	3.28	1.38	48.1	7.5	11	17.00	164.5	4.52
V339890		0.32	9.45	6.61	1825	380	1.58	6.21	1.95	40.8	44.0	17.5	21	17.50	113.0	5.27
V339891		10.14	0.35	7.03	9.1	2140	1.58	0.70	2.60	0.99	40.6	8.3	13	13.60	80.4	3.11
V339892		9.84	0.37	6.87	15.0	2740	1.67	0.54	2.56	0.57	40.9	8.7	12	15.65	97.2	3.11
V339893		6.04	0.73	6.89	45.9	2340	1.64	1.77	2.41	0.63	41.3	8.2	13	21.1	136.0	3.22
V339894		<0.02	0.73	7.15	47.5	2370	1.68	1.72	2.47	0.67	40.9	8.0	12	21.6	134.0	3.26
V339895		7.04	1.92	7.21	136.5	1590	1.66	2.38	2.56	3.04	45.3	9.3	13	22.2	145.5	3.79
V339896		5.20	0.52	7.20	21.0	2680	1.71	1.13	2.01	0.56	33.3	7.4	11	17.75	70.5	3.23
V339897		7.38	1.45	7.51	101.0	950	1.66	2.43	2.12	1.51	60.1	7.2	14	20.1	137.5	3.53
V339898		4.44	2.91	6.62	230	250	1.19	5.40	1.28	4.78	50.8	5.7	13	6.03	316	6.30
V339899		0.32	12.00	6.55	1595	520	1.42	11.75	1.89	31.3	45.8	18.3	19	14.50	280	6.55
V339900		9.78	0.63	7.35	29.5	2130	1.64	1.31	2.45	0.38	65.5	7.8	13	15.30	139.0	3.50
V339901		7.32	0.41	6.99	14.0	2490	1.83	0.86	2.43	0.46	37.1	8.0	13	15.05	79.9	3.27
V339902		4.28	0.47	7.40	30.6	1820	1.70	1.24	2.27	0.35	45.8	10.8	14	19.05	83.5	3.59
V339903		4.40	2.18	5.40	56.5	110	1.12	9.51	4.05	0.28	44.8	6.6	10	7.32	345	5.01
V339904		6.04	0.01	0.07	0.2	30	0.08	0.05	21.0	0.06	1.07	0.7	<1	0.15	3.0	0.48
V339905		9.78	0.39	6.58	77.8	1330	1.38	0.60	5.19	0.37	43.6	7.7	8	19.15	67.5	2.89
V339906		4.44	2.16	6.80	223	520	1.35	11.25	1.80	0.75	57.2	11.2	12	18.15	364	4.13
V339907		9.32	15.20	7.19	120.0	540	1.58	254	2.08	3.63	46.8	7.4	10	17.00	334	3.83
V339908		12.04	0.40	7.52	29.8	2590	1.63	1.71	2.23	0.33	41.8	6.7	10	18.60	42.6	3.07



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142040

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
V339873		16.10	0.11	1.0	0.194	3.49	55.9	6.1	0.71	1570	3.69	0.04	7.0	3.9	600	74.4
V339874		13.05	0.09	0.7	0.198	2.53	34.6	10.9	0.80	749	6.40	0.04	2.4	3.1	380	831
V339875		17.30	0.09	1.0	0.105	3.25	28.1	14.9	0.77	735	2.29	0.73	8.1	2.6	620	58.3
V339876		16.75	0.10	0.9	0.115	2.97	21.2	24.1	0.76	576	3.96	0.74	8.2	2.7	620	60.7
V339877		13.10	0.09	0.8	0.257	3.10	23.0	12.2	1.08	899	4.50	0.05	4.0	2.5	470	106.5
V339878		16.65	0.08	1.0	0.186	3.17	27.9	24.3	0.78	811	2.17	0.06	6.4	2.2	560	92.6
V339879		16.40	0.09	1.0	0.166	3.02	27.3	27.2	0.74	711	3.42	0.06	6.4	2.2	550	71.1
V339880		16.25	0.09	1.1	0.153	3.80	27.8	27.1	0.78	744	5.53	0.11	7.5	2.4	570	34.7
V339881		15.90	0.10	1.1	0.093	3.34	21.3	14.7	0.69	547	4.04	1.10	8.0	2.2	570	44.0
V339882		17.30	0.11	1.1	0.145	3.32	26.0	19.5	0.71	819	2.36	0.44	7.9	2.7	650	76.4
V339883		11.20	0.10	0.5	1.145	1.96	22.9	9.7	0.31	367	4.64	0.04	2.3	2.1	320	775
V339884		16.00	0.07	0.8	0.102	3.40	19.4	21.3	0.65	1110	3.90	0.11	6.8	2.4	570	91.2
V339885		0.23	0.12	<0.1	0.011	0.03	0.5	1.1	12.65	202	0.42	<0.01	0.1	2.6	170	3.7
V339886		14.05	0.12	0.8	0.084	2.89	27.8	13.3	0.67	404	3.63	1.27	6.6	3.4	550	34.7
V339887		14.30	0.10	0.9	0.077	2.70	23.3	18.1	0.81	423	3.70	1.15	7.1	2.2	540	40.7
V339888		14.15	0.10	0.8	0.094	3.55	20.2	25.5	0.59	536	2.22	0.49	6.1	2.4	560	37.2
V339889		13.50	0.09	0.9	0.156	2.98	25.7	14.4	0.95	1380	1.82	0.05	5.6	2.3	500	154.0
V339890		14.15	0.08	1.2	0.937	2.93	23.1	25.8	0.71	2000	11.75	0.26	7.3	15.6	510	1405
V339891		15.50	0.10	1.0	0.086	2.79	20.2	38.8	0.74	455	2.18	1.03	7.8	2.4	620	44.5
V339892		14.90	0.10	1.0	0.066	2.68	20.4	19.5	0.79	460	2.56	1.70	7.7	2.5	610	31.5
V339893		15.40	0.08	1.0	0.126	3.07	20.5	30.6	0.70	517	3.62	0.76	7.5	2.5	620	42.3
V339894		15.75	0.10	0.9	0.127	3.14	20.7	32.4	0.71	537	2.99	0.76	7.7	2.5	620	41.5
V339895		15.90	0.10	0.9	0.128	2.92	23.9	39.0	0.90	1540	1.84	0.05	7.2	2.8	590	263
V339896		15.30	0.10	0.9	0.110	3.22	16.4	30.3	0.68	408	2.32	0.44	6.8	2.7	630	33.9
V339897		15.80	0.12	1.1	0.140	3.64	34.2	20.6	0.77	1200	3.91	0.07	6.9	2.5	590	166.0
V339898		14.05	0.08	0.9	0.180	3.25	27.5	8.1	0.69	1650	4.86	0.06	4.7	2.4	500	192.5
V339899		14.30	0.08	1.0	0.807	2.90	24.8	20.6	0.77	1800	8.55	0.12	6.2	12.0	530	1320
V339900		15.15	0.11	1.1	0.141	3.04	36.5	25.8	0.76	507	3.01	0.84	7.3	2.8	590	34.0
V339901		14.75	0.10	1.0	0.105	2.87	18.8	17.8	0.68	491	2.79	1.34	7.1	2.3	610	32.2
V339902		14.95	0.10	1.0	0.143	3.59	24.3	26.7	0.83	600	3.83	0.09	6.3	2.5	580	24.5
V339903		9.74	0.08	0.8	0.127	2.39	23.8	16.6	0.53	730	6.57	0.05	5.1	1.7	340	36.0
V339904		0.19	0.10	<0.1	0.005	0.02	0.5	1.0	12.80	205	0.48	0.01	0.2	1.8	180	1.4
V339905		13.05	0.08	0.8	0.064	2.35	23.2	27.0	0.74	828	2.36	0.04	6.7	2.2	520	30.7
V339906		13.90	0.09	0.8	0.158	2.93	31.8	15.7	0.72	637	4.20	0.05	5.8	3.0	490	27.5
V339907		14.55	0.09	0.8	0.187	2.37	24.4	91.9	0.70	727	2.70	0.03	7.0	2.3	600	234
V339908		15.35	0.10	1.0	0.089	1.99	20.9	78.5	0.66	682	2.02	0.05	7.9	2.0	650	20.7



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142040

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V339873		215	0.005	3.30	9.77	11.2	1	5.6	41.0	0.52	0.18	13.50	0.228	3.77	4.5	64
V339874		187.0	0.004	>10.0	14.85	7.2	2	8.2	42.3	0.20	0.77	8.17	0.100	2.17	3.1	46
V339875		134.5	0.003	1.16	6.56	11.0	1	3.4	179.5	0.66	0.19	12.60	0.257	2.54	4.9	73
V339876		103.5	0.003	0.76	22.6	10.7	1	2.6	188.0	0.66	1.19	10.55	0.262	2.29	5.1	72
V339877		173.5	0.005	4.78	14.15	9.0	2	7.8	54.5	0.33	0.44	10.30	0.144	2.28	5.1	57
V339878		161.0	0.003	1.85	17.45	10.5	1	8.3	71.4	0.57	0.23	14.55	0.201	2.41	5.7	65
V339879		157.5	0.005	2.17	18.20	10.3	1	7.8	82.9	0.56	0.28	15.05	0.197	2.36	4.6	61
V339880		165.5	0.005	1.84	14.15	10.7	1	5.0	92.6	0.65	0.62	16.05	0.230	2.52	7.1	65
V339881		127.5	0.003	0.63	7.08	10.6	1	3.5	246	0.66	0.10	13.20	0.243	2.13	5.0	68
V339882		164.0	0.004	2.00	31.4	12.3	1	5.5	135.0	0.65	0.22	12.05	0.259	2.56	5.6	73
V339883		128.5	0.004	>10.0	271	5.4	2	8.7	11.1	0.18	1.24	5.90	0.081	1.20	3.7	38
V339884		131.0	0.004	2.31	23.3	9.5	1	5.7	80.1	0.51	0.23	8.97	0.223	2.66	6.6	68
V339885		1.7	0.003	0.03	0.82	0.2	1	<0.2	45.7	<0.05	<0.05	0.10	<0.005	<0.02	1.1	3
V339886		111.0	0.003	1.19	4.41	9.2	1	2.7	243	0.55	0.08	10.65	0.226	1.61	4.1	65
V339887		100.5	0.004	0.96	5.31	9.4	1	2.8	216	0.58	0.10	12.50	0.220	1.40	4.0	63
V339888		138.5	0.004	1.52	6.99	9.0	1	4.4	137.0	0.48	0.14	9.32	0.212	2.23	5.4	63
V339889		133.0	0.004	3.47	23.3	9.1	2	5.8	63.6	0.42	1.48	9.48	0.185	2.16	7.1	60
V339890		160.0	0.005	3.09	33.9	8.5	1	5.6	151.5	0.58	0.29	10.95	0.206	2.47	5.2	58
V339891		87.4	0.004	0.94	6.01	10.3	1	2.8	220	0.62	0.11	9.48	0.255	1.52	3.8	73
V339892		88.6	0.003	0.62	5.03	10.1	1	2.7	319	0.58	0.07	10.05	0.252	1.38	3.7	71
V339893		107.5	0.003	0.86	29.6	10.1	1	3.3	185.5	0.57	0.16	10.00	0.248	1.83	4.4	71
V339894		113.0	0.003	0.85	30.0	10.5	1	3.4	189.0	0.58	0.15	10.65	0.254	1.90	4.6	72
V339895		120.0	0.004	1.93	45.2	10.3	1	4.7	75.8	0.54	0.10	10.55	0.240	2.47	5.6	68
V339896		112.0	0.004	1.09	10.60	10.5	1	2.6	133.5	0.56	0.10	10.45	0.240	1.88	4.3	73
V339897		188.0	0.004	2.48	10.90	11.2	1	5.5	75.1	0.57	0.18	15.65	0.221	2.86	3.6	70
V339898		151.5	0.003	6.27	10.05	9.0	2	11.7	24.7	0.38	0.38	12.10	0.157	2.08	2.8	59
V339899		168.0	0.005	4.59	64.4	9.3	2	7.5	96.8	0.50	1.15	10.85	0.204	2.44	5.1	62
V339900		122.5	0.004	1.45	5.66	10.6	1	3.5	198.5	0.58	0.09	13.55	0.229	1.78	4.6	68
V339901		96.4	0.003	1.32	5.42	9.9	1	2.8	259	0.56	0.09	10.05	0.228	1.50	3.9	70
V339902		142.0	0.004	1.66	7.35	10.3	1	3.4	84.0	0.48	0.17	11.45	0.207	2.40	4.9	67
V339903		79.3	0.003	4.67	20.5	6.2	3	6.4	68.8	0.54	2.76	12.30	0.128	1.21	8.1	43
V339904		1.0	0.002	0.01	0.16	0.2	<1	<0.2	45.9	<0.05	<0.05	0.10	<0.005	<0.02	0.7	2
V339905		78.2	0.003	1.30	21.6	8.9	1	2.8	111.5	0.54	0.08	10.95	0.217	2.05	9.2	61
V339906		130.0	0.003	3.37	100.5	9.1	2	5.4	48.9	0.48	5.09	11.05	0.190	2.40	6.4	61
V339907		84.1	0.003	1.97	62.1	10.1	1	4.9	108.5	0.53	0.57	9.71	0.236	2.00	4.0	72
V339908		62.1	0.003	0.63	18.15	10.4	1	2.4	121.0	0.63	0.10	10.85	0.268	1.61	4.7	75



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142040

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V339873		6.2	13.6	167	25.6	0.127
V339874		4.4	10.6	2010	29.7	0.462
V339875		3.0	15.2	115	27.0	0.028
V339876		2.4	14.1	139	24.9	0.177
V339877		12.3	9.7	293	19.8	0.080
V339878		6.6	12.2	293	26.5	0.133
V339879		4.9	15.6	188	25.8	0.124
V339880		6.8	14.9	89	29.5	0.070
V339881		1.7	13.3	123	27.7	0.022
V339882		4.7	14.6	215	28.2	0.051
V339883		6.6	10.0	1500	11.1	2.21
V339884		3.7	11.6	205	23.0	0.036
V339885		0.1	0.7	20	<0.5	0.006
V339886		1.5	12.5	83	22.9	0.019
V339887		1.1	13.0	100	25.3	0.007
V339888		2.7	12.7	80	23.0	0.043
V339889		7.6	13.5	158	24.7	0.102
V339890		4.8	12.9	3020	40.5	0.770
V339891		2.7	13.7	108	27.6	0.017
V339892		2.9	14.0	78	27.3	0.030
V339893		2.5	13.0	86	27.2	0.063
V339894		2.6	13.5	88	25.7	0.061
V339895		5.3	13.5	316	24.2	0.146
V339896		3.2	11.6	88	24.1	0.023
V339897		5.8	14.4	156	27.2	0.110
V339898		16.1	8.7	401	23.6	0.216
V339899		5.3	12.0	2380	33.2	0.900
V339900		5.6	14.8	87	29.2	0.035
V339901		3.4	12.6	97	27.9	0.034
V339902		5.5	13.0	84	28.6	0.026
V339903		13.8	10.2	53	19.6	0.037
V339904		0.1	0.7	16	<0.5	<0.005
V339905		4.5	15.1	75	22.8	0.016
V339906		5.7	13.0	83	21.0	0.054
V339907		10.4	13.2	375	21.9	0.044
V339908		5.5	14.2	95	25.4	0.011



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17142040

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE WH17142042

Project: Klaza

P.O. No.: 17-036

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

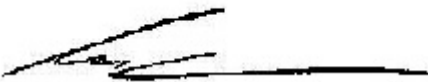
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142042

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag 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	1	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V339945		2.46		9.96	5.56	263	220	1.29	17.80	1.28	2.32	418	109.5	45	3.82	113.0
V339946		5.22		3.35	8.56	43.5	450	2.00	4.81	3.61	24.6	85.9	6.4	89	17.30	132.0
V339947		9.48		2.00	7.16	74.1	1050	1.95	1.62	1.85	8.67	51.0	4.6	11	25.3	40.6
V339948		2.58		13.35	6.04	238	630	1.87	14.40	1.41	23.9	41.5	4.1	14	33.0	161.5
V339949		9.28		11.00	7.29	144.0	580	1.85	22.3	1.89	17.35	50.9	2.3	44	14.95	119.5
V339950		2.30		2.31	7.37	457	470	1.67	2.54	1.11	11.90	37.7	1.3	15	12.40	18.4
V339951		4.44		1.57	7.52	143.0	970	1.86	1.81	2.28	6.81	45.0	2.3	15	14.20	38.5
V339952		6.56		2.62	7.21	107.5	800	1.71	2.71	1.30	29.1	38.3	17.1	13	6.32	36.0
V339953		0.34		12.65	6.89	1535	950	1.53	12.45	1.97	34.0	48.8	18.6	20	15.25	296
V339954		4.54		2.81	7.45	84.6	580	1.86	3.50	1.42	41.1	34.0	12.2	14	6.81	59.1
V339955		3.10	158	>100	6.62	3560	70	1.86	143.0	1.04	16.40	14.00	149.5	11	9.28	111.0
V339956		5.24		0.67	6.92	25.0	570	1.41	0.65	3.52	2.88	33.0	2.4	13	11.40	15.5
V339957		5.64		0.78	7.34	23.7	490	1.47	0.96	2.62	0.63	37.8	1.8	15	8.48	22.6
V339958		4.60		0.13	7.59	11.0	1170	1.68	0.13	2.22	4.92	44.9	3.0	15	12.90	3.2
V339959		2.58		0.95	4.89	52.2	710	1.27	0.40	1.13	5.77	30.7	2.5	11	18.15	11.7
V339960		4.20		0.34	7.22	14.3	460	1.47	0.22	1.42	7.69	44.5	2.1	14	15.00	6.7
V339961		6.00		0.01	0.07	0.4	20	0.06	0.02	21.3	0.07	1.16	0.8	1	0.17	2.5
V339962		3.42		4.01	6.78	867	680	1.52	1.41	2.60	9.15	50.3	8.7	11	26.5	27.9
V339963		8.82		0.23	6.86	28.5	2310	1.68	0.13	2.54	0.16	38.2	5.8	13	19.65	4.0
V339964		3.18		0.18	7.25	26.6	2270	1.66	0.15	2.61	0.15	42.2	6.2	11	18.35	4.2
V339965		2.58		0.39	7.02	44.2	2280	1.67	0.22	2.66	0.18	42.5	6.3	10	19.65	5.3
V339966		1.98		2.07	6.91	770	750	1.60	0.99	1.00	2.13	47.5	7.6	12	18.60	11.9
V339967		2.60		17.65	6.14	545	1500	1.09	1.80	0.64	38.0	36.7	2.7	9	8.90	97.5
V339968		6.04		0.02	0.06	1.7	20	<0.05	0.02	19.90	0.07	1.10	0.7	1	0.15	2.2
V339969		11.98		0.90	7.27	86.6	1150	1.22	0.57	1.43	4.90	54.1	3.7	9	20.1	17.0
V339970		6.24		0.18	7.20	18.3	1220	1.52	0.24	1.38	0.30	61.7	4.0	11	29.9	10.6
V339971		4.12		2.32	6.54	607	1030	1.54	1.24	1.32	11.50	52.7	6.2	9	22.7	77.3
V339972		<0.02		2.19	6.51	488	880	1.53	1.15	1.31	9.38	53.1	6.2	10	22.4	71.9
V339973		7.60		0.32	6.79	33.9	1540	1.18	0.14	2.41	1.40	47.8	6.0	8	20.8	26.9
V339974		6.34		0.18	7.32	19.6	1270	1.44	0.10	1.68	1.07	47.7	6.0	10	26.0	11.5
V339975		3.34		6.11	7.28	189.0	950	1.67	4.06	1.74	110.0	56.1	4.7	10	16.20	388
V339976		0.32		9.12	6.55	1785	1380	1.49	5.82	1.89	40.1	45.8	16.4	21	16.80	105.5
V339977		6.96		0.20	7.14	20.3	1320	1.53	0.12	1.90	3.30	46.3	6.0	12	22.6	18.9
V339978		9.48		0.67	7.50	143.0	1110	1.56	0.62	2.14	11.80	51.7	4.9	11	22.0	26.8
V339979		9.56		0.14	7.09	16.9	2320	1.63	0.14	2.24	2.41	41.5	5.6	10	24.3	9.8
V339980		7.18		0.17	6.80	23.4	4920	1.27	0.09	2.90	3.53	44.0	5.9	10	21.8	20.2



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142042

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
V339945		10.65	16.05	0.35	1.3	0.375	2.10	254	23.7	0.97	1580	22.1	0.03	5.5	5.9	1150
V339946		6.87	19.90	0.16	2.1	1.505	1.79	33.8	54.0	2.19	2960	0.75	0.05	6.6	9.5	1380
V339947		5.16	14.95	0.12	1.0	0.457	2.68	26.8	43.4	0.98	3150	1.19	0.04	6.5	2.5	520
V339948		5.02	13.45	0.11	0.9	0.504	1.94	20.4	47.9	0.73	2900	8.02	0.04	5.3	3.4	530
V339949		7.21	17.65	0.13	1.3	0.778	2.76	20.2	63.4	1.39	3510	1.34	0.03	6.2	3.7	760
V339950		5.93	16.05	0.12	0.7	0.418	3.52	15.7	6.8	0.75	1540	0.99	0.03	6.5	2.6	560
V339951		3.84	16.05	0.13	0.9	0.288	3.01	21.8	14.2	0.71	1370	1.05	0.72	7.0	2.1	570
V339952		3.84	15.15	0.13	0.7	1.060	2.70	12.2	44.7	0.49	2200	29.9	0.04	7.0	1.1	290
V339953		6.90	15.30	0.14	1.1	0.841	3.05	25.4	20.4	0.81	1880	9.21	0.13	6.3	12.8	550
V339954		4.14	16.25	0.12	0.8	1.425	2.94	11.4	35.6	0.67	2740	10.30	0.04	6.9	1.0	340
V339955		11.60	14.80	0.11	0.6	0.669	2.99	4.0	21.8	0.48	1010	8.90	0.04	5.7	4.0	60
V339956		2.68	14.85	0.11	0.7	0.270	1.98	11.9	122.0	1.19	1610	1.40	0.04	6.9	1.1	570
V339957		2.25	16.35	0.12	0.9	0.221	1.44	15.0	120.5	0.82	1360	1.10	0.06	7.7	1.5	650
V339958		2.56	17.05	0.11	1.1	0.049	1.65	21.7	88.6	0.46	724	1.53	1.19	8.0	2.3	630
V339959		2.66	10.20	0.09	0.6	0.287	1.95	15.0	52.9	0.42	2670	8.04	0.05	4.2	1.9	360
V339960		1.98	15.35	0.12	0.9	0.179	1.84	21.9	220	0.47	1010	2.82	0.06	6.8	2.0	640
V339961		0.48	0.22	0.08	<0.1	<0.005	0.03	0.6	1.5	13.15	215	0.11	<0.01	0.2	1.6	170
V339962		3.52	14.35	0.09	1.0	0.422	2.86	26.9	22.9	0.92	1280	2.70	0.07	7.0	2.5	550
V339963		2.84	15.55	0.11	1.2	0.049	2.95	19.2	27.6	0.65	624	2.17	1.83	7.6	2.4	580
V339964		2.95	16.15	0.10	1.4	0.056	3.08	21.0	41.1	0.68	819	1.41	1.14	8.0	2.2	610
V339965		2.87	15.55	0.12	1.3	0.058	3.05	21.3	33.4	0.71	928	1.21	0.97	7.7	2.2	590
V339966		5.73	15.00	0.12	1.2	0.212	3.01	25.9	22.0	0.48	1590	1.53	0.03	6.8	2.8	510
V339967		7.34	14.20	0.12	0.9	0.620	2.89	18.8	11.5	0.44	4780	4.22	0.04	5.3	3.1	430
V339968		0.45	0.20	0.07	<0.1	0.005	0.02	0.5	0.9	12.55	200	0.15	<0.01	0.2	1.5	170
V339969		4.30	14.70	0.11	1.0	0.179	2.94	27.4	43.6	0.71	1910	2.32	0.05	7.1	2.3	530
V339970		3.92	14.55	0.11	1.1	0.076	2.08	33.6	163.0	0.70	1400	4.05	0.02	7.7	2.8	590
V339971		4.51	14.40	0.10	1.0	0.567	2.76	28.4	26.9	0.64	3600	3.26	0.03	6.9	2.6	490
V339972		4.45	14.20	0.12	1.0	0.497	2.77	28.5	26.9	0.64	3670	3.51	0.03	6.8	2.5	480
V339973		2.67	14.80	0.12	1.1	0.062	2.05	24.6	104.5	0.78	961	4.43	0.03	7.5	2.1	540
V339974		2.70	15.80	0.13	1.2	0.040	2.19	23.8	217	0.57	730	1.80	0.04	7.9	2.1	580
V339975		4.39	15.55	0.12	1.1	3.26	3.35	29.2	15.2	0.73	2200	3.05	0.04	7.2	2.5	560
V339976		5.16	14.30	0.12	1.5	0.882	2.85	23.9	25.1	0.70	1970	12.65	0.26	7.6	15.3	500
V339977		2.57	16.20	0.13	1.3	0.058	1.80	22.9	181.5	0.64	880	1.59	0.03	8.3	2.3	580
V339978		3.32	16.65	0.12	1.1	0.330	2.25	25.5	152.0	0.75	967	1.58	0.05	8.3	2.5	640
V339979		2.97	16.15	0.12	1.1	0.048	2.63	20.2	145.5	0.61	672	1.19	0.09	8.2	2.2	590
V339980		2.69	14.85	0.12	1.1	0.041	2.61	21.9	55.9	0.99	917	1.39	0.03	7.7	2.3	560



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142042

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V339945		305	134.0	0.017	7.77	4.94	17.9	2	10.9	61.6	0.44	3.46	14.65	0.262	1.46	7.5
V339946		238	89.2	<0.002	0.67	7.03	26.4	2	9.5	210	0.43	0.10	7.74	0.454	1.61	9.7
V339947		257	148.5	<0.002	0.99	11.15	9.6	1	6.1	151.5	0.59	0.07	14.10	0.227	2.45	5.5
V339948		2540	110.5	<0.002	2.53	51.3	9.1	1	9.4	334	0.44	0.11	10.25	0.208	1.87	7.3
V339949		350	192.0	<0.002	1.67	26.8	17.2	1	8.1	59.4	0.46	0.20	10.15	0.300	2.86	4.4
V339950		512	249	<0.002	4.28	7.55	9.9	1	8.6	29.8	0.57	0.06	14.05	0.227	3.24	3.3
V339951		257	173.0	<0.002	1.88	6.96	10.4	1	4.3	132.0	0.63	0.05	13.70	0.240	2.71	4.3
V339952		322	173.5	0.008	2.09	5.51	6.3	1	5.1	69.4	0.62	0.63	11.85	0.233	2.06	5.5
V339953		1390	176.5	<0.002	4.88	66.6	9.8	2	7.7	102.0	0.57	1.16	12.70	0.222	2.56	5.9
V339954		146.0	186.0	0.002	1.60	6.67	7.4	1	4.8	52.9	0.62	0.27	14.00	0.223	2.36	4.8
V339955		881	174.5	0.003	>10.0	35.6	1.7	1	14.0	36.1	0.56	73.9	4.28	0.196	2.22	3.0
V339956		93.1	87.5	<0.002	0.33	9.70	10.1	1	3.5	146.0	0.62	0.11	12.25	0.234	2.01	5.5
V339957		30.2	75.3	<0.002	0.15	12.00	11.0	1	3.1	113.0	0.69	0.21	13.95	0.258	1.60	4.4
V339958		12.9	80.2	<0.002	0.04	18.15	10.4	1	2.5	217	0.69	<0.05	12.75	0.275	1.23	3.7
V339959		257	115.0	<0.002	0.56	67.1	6.5	1	2.4	71.2	0.35	<0.05	8.84	0.149	1.97	5.5
V339960		54.6	100.5	<0.002	0.06	29.4	9.9	1	2.5	153.0	0.59	<0.05	13.25	0.237	1.81	3.8
V339961		1.9	1.3	<0.002	<0.01	0.20	0.2	1	<0.2	46.9	<0.05	<0.05	0.11	<0.005	0.03	0.8
V339962		152.0	128.5	<0.002	1.60	24.8	9.1	1	2.0	113.0	0.61	0.11	12.20	0.233	2.64	5.3
V339963		18.5	103.0	<0.002	0.13	5.75	9.2	1	1.5	302	0.67	<0.05	10.30	0.253	1.51	3.8
V339964		16.0	111.0	<0.002	0.15	5.75	9.8	1	1.4	254	0.74	<0.05	11.65	0.260	1.78	4.4
V339965		17.1	118.0	<0.002	0.24	6.79	9.5	1	1.5	222	0.69	0.07	11.45	0.248	1.97	4.2
V339966		157.5	184.5	<0.002	4.98	16.10	9.2	1	4.2	92.5	0.65	0.07	13.05	0.214	3.13	5.4
V339967		3730	183.0	<0.002	5.29	38.3	8.2	1	8.8	31.0	0.48	<0.05	9.99	0.183	2.97	3.0
V339968		2.8	1.2	<0.002	<0.01	0.10	0.2	1	<0.2	44.9	<0.05	<0.05	0.10	<0.005	<0.02	0.9
V339969		205	182.5	<0.002	1.04	19.70	9.1	1	3.5	92.2	0.59	<0.05	14.30	0.226	2.77	4.5
V339970		17.3	127.0	0.002	0.32	29.6	9.3	1	3.1	172.5	0.60	<0.05	14.60	0.238	2.16	4.5
V339971		196.5	165.5	<0.002	1.37	49.5	8.9	1	4.2	58.1	0.55	<0.05	13.05	0.208	2.74	7.7
V339972		195.5	163.5	<0.002	1.27	47.9	8.7	<1	4.1	56.4	0.54	<0.05	12.85	0.212	2.75	7.7
V339973		24.6	84.2	<0.002	0.26	25.6	9.1	1	2.0	121.5	0.61	<0.05	12.05	0.235	1.58	4.7
V339974		12.1	86.7	<0.002	0.16	25.7	9.4	1	1.6	145.0	0.66	<0.05	12.95	0.250	1.41	3.8
V339975		687	190.5	<0.002	2.63	74.8	10.0	1	4.2	47.5	0.59	<0.05	14.15	0.225	3.08	5.3
V339976		1360	163.5	<0.002	3.08	32.0	8.4	1	5.5	149.5	0.60	0.23	11.95	0.207	2.36	5.2
V339977		22.1	73.0	<0.002	0.18	29.2	9.7	1	1.8	174.0	0.68	<0.05	12.15	0.249	1.45	4.0
V339978		106.5	88.4	<0.002	0.45	23.4	10.3	1	2.4	165.5	0.66	<0.05	11.50	0.267	1.59	3.7
V339979		16.1	93.8	<0.002	0.12	21.3	9.9	1	1.7	146.5	0.63	<0.05	10.35	0.265	1.57	3.0
V339980		16.5	83.9	<0.002	0.41	13.15	9.2	1	1.6	156.5	0.61	<0.05	11.25	0.244	2.09	4.0



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
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CERTIFICATE OF ANALYSIS WH17142042

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	Au-AA24 Au ppm 0.005
V339945		126	50.5	19.2	220	46.3	1.715
V339946		187	12.3	24.0	1840	77.6	0.175
V339947		61	7.0	11.7	771	28.7	0.062
V339948		59	7.1	11.7	2150	29.9	0.416
V339949		99	8.2	19.6	1380	45.6	0.189
V339950		62	4.6	10.6	935	21.0	0.206
V339951		67	3.7	14.0	566	28.1	0.055
V339952		53	10.6	13.1	2310	19.5	0.302
V339953		63	6.1	11.8	2530	33.0	0.910
V339954		60	9.0	14.3	3210	20.5	0.062
V339955		33	11.3	9.6	1260	17.1	4.18
V339956		53	6.0	15.2	262	18.3	0.037
V339957		64	4.0	15.7	96	26.2	0.015
V339958		73	1.8	16.9	477	31.0	<0.005
V339959		46	2.5	10.2	472	15.4	0.054
V339960		65	3.6	13.7	526	26.7	<0.005
V339961		2	0.1	0.8	18	<0.5	<0.005
V339962		61	6.6	14.4	710	29.9	0.380
V339963		68	2.2	14.4	61	35.4	0.016
V339964		69	1.8	15.2	62	39.3	0.008
V339965		66	1.6	14.8	62	36.2	0.030
V339966		59	5.2	13.6	252	34.4	0.397
V339967		57	5.8	8.4	4100	22.9	1.285
V339968		2	0.3	0.8	17	<0.5	<0.005
V339969		61	4.7	11.5	420	30.5	0.060
V339970		60	6.3	13.0	93	29.6	<0.005
V339971		59	5.2	11.2	762	31.5	0.280
V339972		59	5.1	10.9	658	32.1	0.238
V339973		62	3.5	15.0	125	33.8	0.025
V339974		67	4.5	15.3	114	36.3	<0.005
V339975		61	4.4	12.1	6740	31.8	0.156
V339976		56	5.0	11.1	3020	41.3	0.803
V339977		66	3.9	15.3	239	40.1	<0.005
V339978		72	3.3	15.5	803	36.4	0.190
V339979		71	2.8	14.9	240	35.5	<0.005
V339980		63	5.4	14.9	235	34.4	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
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CERTIFICATE OF ANALYSIS WH17142042

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-06	CRU-31
CRU-QC	LOG-21	LOG-21d	LOG-23
ME-MS61	ME-OG62	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-AUG-2017
Account: ROCKHA

CERTIFICATE WH17142045

Project: Klaza

P.O. No.: 17-025

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH17142045

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V339801		8.16	0.55	8.05	34.2	3260	1.65	0.65	0.49	3.92	44.1	4.8	13	16.50	121.5	2.84
V339802		3.80	1.04	8.17	113.0	660	1.67	1.16	0.16	5.82	45.3	5.9	10	24.2	293	3.78
V339803		4.60	4.65	7.86	66.0	590	1.40	6.13	0.06	1.66	56.3	0.3	10	17.90	30.0	1.74
V339804		11.26	1.16	8.04	89.9	1420	1.89	1.65	0.34	9.50	51.5	6.8	12	23.8	359	4.26
V339805		6.78	5.99	7.42	264	790	1.66	12.10	0.73	4.08	47.4	6.4	14	17.45	1065	4.20
V339806		7.16	0.74	7.63	53.8	1210	1.55	1.66	2.80	1.61	54.4	5.5	11	21.4	109.5	3.36
V339807		4.04	0.61	7.70	51.3	1050	1.51	1.47	2.75	1.31	50.4	4.8	12	21.8	107.5	3.32
V339808		7.24	0.42	7.29	52.7	1280	1.47	0.73	2.87	1.03	45.7	9.2	15	23.7	120.0	3.32
V339809		7.34	0.67	7.61	76.2	1040	1.66	1.10	2.15	2.08	52.0	7.8	11	19.90	142.0	3.45
V339810		6.88	2.30	6.96	208	440	1.38	3.30	2.97	2.00	40.4	10.0	12	14.30	327	5.46
V339811		0.34	9.00	6.64	1800	1050	1.40	6.09	1.90	40.1	42.4	16.4	20	16.30	111.5	5.29
V339812		8.06	0.64	7.50	78.6	840	1.62	1.13	2.27	1.26	51.6	7.7	10	23.0	100.5	3.48
V339813		7.36	0.37	7.69	24.6	2190	1.66	0.85	1.96	2.49	50.5	10.7	12	16.30	108.5	4.13
V339814		6.74	0.76	7.47	81.7	780	1.57	0.79	2.14	1.51	48.9	7.6	14	19.10	148.5	3.46
V339815		5.08	1.35	7.08	161.5	560	1.30	3.22	1.29	0.92	33.6	9.7	15	13.30	257	5.86
V339816		10.04	0.44	7.64	80.4	820	1.69	0.65	2.29	0.44	48.6	7.0	12	20.0	98.7	3.27
V339817		3.38	1.29	7.30	157.0	1210	1.65	1.89	2.56	2.01	43.8	8.5	9	15.25	101.0	4.57
V339818		6.20	0.02	0.06	<0.2	120	<0.05	0.06	21.4	0.08	1.01	0.9	<1	0.13	3.3	0.49
V339819		6.94	0.56	7.79	72.9	1440	1.75	0.87	2.59	0.98	51.3	7.8	12	22.2	112.5	3.38
V339820		3.24	4.81	6.21	429	540	1.57	10.20	3.58	1.69	37.3	6.9	13	14.25	250	6.62
V339821		3.00	0.27	7.88	80.7	1740	1.93	0.77	2.90	0.29	48.2	7.6	16	17.15	44.3	2.77
V339822		8.74	1.62	7.82	98.4	1340	1.70	3.51	1.81	2.28	49.8	6.4	11	17.15	284	3.45
V339823		<0.02	1.69	7.92	98.9	1280	1.71	3.85	1.82	2.22	51.5	6.7	10	18.05	273	3.43
V339824		5.98	2.89	7.38	151.5	420	1.72	5.66	1.94	3.94	42.1	9.7	10	15.20	1140	4.19
V339825		6.74	4.39	7.07	166.0	600	1.53	6.72	1.48	3.89	46.5	6.9	11	9.29	495	5.71
V339826		6.10	0.02	0.07	0.6	30	0.05	0.04	22.0	0.06	1.07	0.9	1	0.16	3.3	0.51
V339827		12.52	1.46	7.55	66.7	390	1.53	3.27	1.34	2.72	37.6	9.9	11	14.10	361	4.10
V339828		11.34	2.02	7.32	53.0	360	1.56	4.23	2.04	1.63	44.8	10.2	12	14.05	594	4.06
V339829		11.02	1.83	7.38	28.7	600	1.56	4.38	2.07	3.59	50.8	7.0	14	14.80	558	3.72
V339830		12.58	1.11	7.41	19.2	1250	1.57	3.89	2.11	0.63	49.4	7.7	12	13.30	494	3.52
V339831		11.72	2.26	7.68	59.6	750	1.53	3.04	2.14	2.13	47.2	6.8	17	16.25	885	3.92
V339832		0.32	11.50	6.88	1680	450	1.44	10.90	2.04	31.2	41.9	17.8	21	13.25	310	7.04
V339833		11.76	3.86	7.09	98.7	340	1.34	3.06	2.00	7.41	36.5	7.0	18	13.00	379	4.41
V339834		11.24	1.13	6.86	45.0	1050	1.57	3.27	2.28	1.50	38.5	6.5	15	14.80	467	3.74
V339835		12.22	5.75	7.19	280	800	1.63	12.50	1.31	2.63	42.4	8.8	14	11.80	1500	5.04
V339836		8.08	4.43	7.50	269	860	1.47	8.08	1.47	2.33	46.7	8.5	13	13.30	1275	5.17



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142045

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V339801		16.75	0.07	0.9	0.125	3.36	23.4	17.2	0.28	190	11.15	1.46	6.5	2.3	600
V339802		17.65	0.10	0.9	0.183	3.54	22.1	17.7	0.30	202	3.99	0.27	5.1	2.3	680
V339803		20.0	0.11	1.0	0.330	3.93	31.8	7.1	0.35	112	4.17	0.05	6.7	0.6	170
V339804		16.30	0.09	0.9	0.349	3.58	28.8	16.5	0.31	760	11.70	0.27	5.8	2.3	590
V339805		17.15	0.09	0.8	0.353	3.47	26.3	12.6	0.50	393	5.19	0.04	4.3	2.3	530
V339806		16.40	0.10	0.8	0.164	3.44	30.3	10.1	1.07	608	2.27	0.04	5.5	2.1	580
V339807		16.80	0.12	0.8	0.166	3.59	27.1	10.0	1.02	600	1.83	0.04	5.8	2.1	580
V339808		15.75	0.11	0.8	0.071	3.29	23.8	11.1	1.03	476	3.76	0.05	6.1	2.5	590
V339809		15.45	0.13	0.8	0.116	3.49	28.9	9.7	0.94	1120	4.25	0.04	5.3	2.3	560
V339810		14.10	0.07	0.7	0.208	2.99	20.9	17.1	1.40	1880	25.5	0.04	3.3	2.3	520
V339811		14.20	0.07	1.3	0.897	2.94	22.2	24.2	0.70	1960	12.05	0.27	7.1	14.7	500
V339812		16.30	0.11	0.8	0.087	3.47	27.4	10.6	1.00	1230	1.92	0.04	5.8	2.4	570
V339813		16.90	0.11	0.9	0.068	3.68	26.0	19.0	0.70	949	1.72	0.77	6.7	2.6	590
V339814		15.80	0.12	0.8	0.102	3.60	26.1	12.3	0.87	1020	3.52	0.14	5.1	5.4	570
V339815		16.15	0.08	0.8	0.125	3.39	16.9	9.2	0.67	580	11.25	0.06	3.8	3.1	520
V339816		17.10	0.12	0.9	0.036	3.34	25.6	19.2	0.87	873	1.83	0.32	6.4	2.8	590
V339817		15.40	0.09	0.9	0.107	3.37	21.9	8.3	1.19	2760	5.20	0.04	6.2	2.8	680
V339818		0.28	0.14	<0.1	0.005	0.03	0.5	1.0	13.05	215	0.11	<0.01	0.1	1.3	180
V339819		16.75	0.11	0.9	0.058	3.41	27.6	8.9	1.01	777	2.37	0.05	6.5	2.6	670
V339820		16.10	<0.05	2.0	0.165	2.75	19.0	15.9	1.52	2180	2.00	0.03	6.7	4.6	620
V339821		17.65	0.07	2.6	0.045	3.49	24.5	12.4	1.17	1140	2.37	0.04	9.3	5.1	860
V339822		16.60	0.09	1.0	0.126	3.46	26.8	8.8	0.83	938	1.82	0.05	6.4	2.5	640
V339823		17.25	0.13	1.1	0.133	3.53	27.6	9.2	0.82	928	1.27	0.05	6.5	2.6	610
V339824		18.75	0.11	0.8	0.201	3.42	21.3	10.8	0.93	803	1.48	0.05	3.4	2.8	550
V339825		17.70	0.07	0.8	0.314	3.47	25.0	7.9	0.76	1200	1.89	0.05	4.0	2.3	510
V339826		0.28	0.08	<0.1	<0.005	0.03	0.5	0.9	13.45	215	0.09	0.01	0.1	1.4	190
V339827		15.75	0.06	0.7	0.181	3.66	19.0	9.6	0.80	829	1.58	0.04	3.5	2.0	550
V339828		17.15	0.07	0.9	0.151	3.58	23.0	12.2	0.81	563	2.29	0.75	4.2	2.3	540
V339829		17.40	0.09	1.0	0.131	3.38	27.5	13.5	0.78	394	2.24	0.87	4.8	2.3	550
V339830		17.40	0.11	0.9	0.117	3.42	26.7	13.3	0.72	401	2.59	1.37	5.1	2.2	560
V339831		17.75	0.10	0.8	0.235	3.74	25.1	19.4	0.89	579	8.97	0.27	4.7	2.4	590
V339832		15.10	0.07	1.0	0.786	3.13	21.9	19.5	0.81	1920	8.94	0.14	6.4	12.2	560
V339833		17.00	0.08	0.9	0.121	3.44	18.5	12.1	0.90	831	7.69	0.11	4.2	2.4	550
V339834		16.95	0.09	0.8	0.077	3.19	19.4	20.5	0.69	388	5.05	1.01	5.4	2.3	550
V339835		17.30	0.08	0.8	0.247	3.39	22.7	11.0	0.71	775	2.44	0.05	3.9	2.7	540
V339836		18.05	0.08	0.8	0.269	3.54	24.3	11.0	0.77	696	2.40	0.05	3.5	2.6	560



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17142045

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V339801		151.0	<0.002	0.19	4.65	10.9	1	2.8	244	0.52	0.08	14.05	0.231	2.12	2.5	67
V339802		184.5	<0.002	0.14	13.05	12.3	1	3.7	83.3	0.39	0.08	15.60	0.203	3.02	4.1	71
V339803		223	<0.002	0.24	10.45	11.8	1	12.5	98.9	0.52	0.19	7.54	0.235	3.41	1.1	68
V339804		180.0	0.002	0.27	10.50	11.0	2	3.7	88.1	0.48	0.06	15.75	0.206	2.67	4.3	65
V339805		192.5	0.002	2.75	85.2	10.6	2	6.4	42.8	0.35	1.23	12.70	0.180	2.90	4.0	65
V339806		170.0	<0.002	1.38	14.90	10.5	1	3.5	79.8	0.45	0.11	14.05	0.211	2.69	4.1	66
V339807		159.0	<0.002	1.20	16.20	10.5	1	3.6	81.1	0.46	0.10	13.50	0.222	2.81	4.8	68
V339808		119.0	<0.002	1.59	11.90	10.0	2	2.5	80.0	0.47	0.07	12.15	0.224	2.29	3.3	66
V339809		185.0	0.002	2.19	13.30	10.0	1	3.2	51.1	0.42	0.05	13.10	0.211	3.01	3.3	65
V339810		165.5	0.003	4.78	16.50	9.1	1	5.7	77.6	0.28	0.21	11.10	0.144	2.57	3.2	60
V339811		156.5	<0.002	3.16	31.5	8.5	1	5.5	150.0	0.55	0.30	11.35	0.212	2.40	4.8	57
V339812		173.0	<0.002	2.53	10.70	10.6	1	3.2	84.2	0.49	<0.05	13.05	0.213	3.31	4.7	64
V339813		142.0	<0.002	1.53	5.78	10.9	1	3.3	213	0.56	0.08	12.90	0.244	2.38	4.5	69
V339814		166.5	<0.002	2.23	8.36	9.4	2	3.0	125.0	0.42	0.14	12.15	0.202	3.23	4.0	65
V339815		179.0	0.002	5.60	8.36	9.2	1	9.4	51.6	0.31	0.44	11.10	0.152	2.64	6.0	60
V339816		152.5	<0.002	1.96	6.45	10.4	2	2.8	179.5	0.53	0.08	12.55	0.229	2.81	4.6	69
V339817		189.5	<0.002	4.13	7.87	12.7	2	3.6	55.3	0.48	0.23	10.05	0.280	3.58	3.0	93
V339818		1.2	<0.002	0.01	0.10	0.2	1	<0.2	44.9	<0.05	<0.05	0.10	<0.005	0.02	0.7	2
V339819		167.5	<0.002	2.04	6.17	10.9	1	3.4	85.5	0.52	0.17	12.75	0.259	2.79	3.5	78
V339820		145.0	<0.002	5.97	16.45	6.7	1	7.3	210	0.48	0.25	7.96	0.213	2.34	5.7	53
V339821		172.0	<0.002	1.31	7.42	8.0	1	1.9	109.0	0.67	0.11	10.50	0.299	3.21	8.9	67
V339822		157.0	<0.002	2.40	5.03	9.6	1	5.6	108.0	0.52	0.77	12.75	0.235	2.89	4.8	67
V339823		163.5	<0.002	2.37	5.13	10.1	1	5.8	109.0	0.52	0.79	13.40	0.235	3.12	5.0	67
V339824		156.5	<0.002	3.54	6.45	9.3	2	9.6	72.0	0.28	1.07	11.20	0.149	2.72	3.5	64
V339825		172.5	<0.002	5.44	14.30	8.8	2	12.8	51.1	0.32	0.59	11.60	0.152	2.76	2.7	58
V339826		1.4	<0.002	0.02	0.11	0.2	1	<0.2	46.0	<0.05	<0.05	0.08	<0.005	0.02	0.6	2
V339827		177.0	<0.002	3.63	8.42	9.8	2	8.3	47.4	0.28	0.42	12.55	0.153	2.87	3.0	67
V339828		142.5	<0.002	3.17	4.04	8.9	1	7.5	263	0.36	0.67	12.00	0.158	2.36	3.5	63
V339829		140.0	<0.002	2.64	1.87	9.3	2	8.1	270	0.41	1.06	13.00	0.175	2.07	4.5	62
V339830		133.5	<0.002	1.89	1.23	9.6	1	5.4	311	0.41	0.94	13.35	0.188	1.97	4.7	64
V339831		160.5	<0.002	2.67	3.90	9.8	1	8.0	164.5	0.35	0.52	11.75	0.179	2.54	4.6	68
V339832		163.0	<0.002	4.98	63.0	8.9	2	7.6	97.9	0.51	1.08	10.50	0.227	2.47	4.8	67
V339833		138.5	<0.002	3.60	27.1	9.5	2	6.9	70.9	0.34	0.48	11.05	0.164	2.48	4.1	66
V339834		110.0	<0.002	2.14	2.38	9.3	2	5.9	280	0.40	0.61	9.93	0.193	2.07	4.0	64
V339835		171.0	<0.002	4.55	71.9	9.4	2	10.6	43.9	0.30	1.85	10.70	0.157	2.67	5.1	61
V339836		182.0	<0.002	4.70	33.6	9.8	2	10.2	63.6	0.28	1.22	11.40	0.148	2.86	3.6	62



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-AUG-2017
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CERTIFICATE OF ANALYSIS WH17142045

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		W	Y	Zn	Zr	Au
		ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V339801		3.0	12.1	335	26.8	0.034
V339802		3.1	12.6	588	24.4	0.070
V339803		11.3	5.2	68	27.4	0.309
V339804		2.6	14.4	506	26.8	0.086
V339805		6.0	11.1	183	20.5	0.336
V339806		3.2	13.8	120	22.3	0.067
V339807		3.2	13.6	120	23.2	0.059
V339808		2.8	13.4	99	22.4	0.056
V339809		3.4	12.3	157	21.1	0.101
V339810		3.4	11.4	199	20.3	0.363
V339811		4.8	11.3	3060	38.8	0.771
V339812		3.3	13.7	98	23.6	0.088
V339813		1.9	14.6	233	25.0	0.061
V339814		3.8	12.4	141	23.1	0.086
V339815		4.4	9.4	87	22.0	0.409
V339816		2.3	12.8	65	26.6	0.107
V339817		5.6	14.7	193	23.6	0.188
V339818		0.1	0.7	18	<0.5	<0.005
V339819		3.0	13.7	114	24.5	0.077
V339820		5.1	10.0	135	78.8	0.370
V339821		5.2	13.9	81	101.5	0.049
V339822		5.4	12.2	203	29.9	0.117
V339823		5.5	13.0	196	31.2	0.118
V339824		10.2	12.4	276	22.4	0.155
V339825		12.0	8.8	251	22.4	0.138
V339826		0.1	0.7	18	<0.5	<0.005
V339827		8.1	10.7	207	20.1	0.086
V339828		11.4	11.2	154	24.6	0.077
V339829		12.8	12.0	314	27.6	0.412
V339830		6.5	12.6	99	26.0	0.116
V339831		10.5	11.7	220	23.7	0.112
V339832		5.8	11.0	2590	29.9	0.863
V339833		9.6	10.8	622	23.7	0.119
V339834		10.9	11.7	162	23.9	0.076
V339835		14.1	10.0	253	20.4	0.285
V339836		12.0	10.7	215	20.7	0.258



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17142045

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

CERTIFICATE WH17142048

Project: Klaza

P.O. No.: 17-028

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142048

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V340653		12.00	0.81	7.17	27.0	1970	1.71	1.12	2.47	0.87	42.7	7.5	12	16.65	72.9	2.92
V340654		12.54	0.82	7.58	69.1	1660	1.64	1.99	1.83	0.93	42.5	10.7	13	15.95	169.5	3.57
V340655		10.94	0.82	7.44	49.0	1660	1.97	0.92	2.24	1.41	44.0	7.1	12	25.3	132.5	3.23
V340656		5.72	0.65	6.70	42.3	1590	1.84	0.69	2.20	2.11	43.1	6.5	13	24.7	99.9	3.05
V340657		10.32	0.76	7.08	17.8	2120	1.56	0.83	2.03	0.65	38.3	7.2	13	17.80	50.5	3.36
V340658		5.48	0.88	7.75	26.2	1630	1.42	0.53	0.93	2.03	40.0	7.6	12	15.05	91.0	3.66
V340659		7.62	1.08	6.47	39.4	410	1.71	2.26	1.76	1.30	44.0	6.0	11	19.05	80.9	4.01
V340660		7.86	0.38	6.86	52.3	1600	1.65	0.93	2.54	0.50	47.9	7.6	12	19.65	21.7	3.48
V340661		4.60	0.54	6.81	11.6	2110	1.61	0.51	2.42	0.22	43.2	6.5	12	12.40	33.5	3.19
V340662		4.70	1.00	6.28	59.5	230	1.36	2.47	1.59	1.20	38.2	9.6	13	12.65	123.5	4.55
V340663		13.12	0.29	6.92	12.1	2060	1.55	0.67	2.35	0.37	47.4	7.5	11	12.55	34.1	2.91
V340664		10.68	0.30	6.57	23.6	1970	1.63	0.67	2.18	0.40	43.4	7.8	11	13.45	38.4	2.85
V340665		5.64	0.34	7.06	31.2	980	1.34	1.06	1.29	0.36	36.6	11.4	12	15.70	25.5	3.51
V340666		9.40	0.68	6.47	30.5	410	1.57	1.88	2.23	0.56	43.9	7.5	12	17.90	44.3	4.15
V340667		0.32	11.55	6.50	1710	140	1.48	12.40	1.87	31.3	43.1	19.5	19	14.00	297	6.63
V340668		3.78	5.72	7.00	148.0	260	1.44	23.9	3.07	2.19	83.9	8.0	11	13.90	567	4.88
V340669		7.62	4.77	6.77	56.7	670	1.50	5.08	1.92	0.96	37.2	8.9	11	14.25	306	3.74
V340670		3.18	24.5	5.77	271	110	1.07	42.2	2.77	8.75	36.1	8.4	12	17.75	415	7.83
V340671		6.00	0.04	0.08	0.8	30	0.07	0.09	20.9	0.08	1.15	0.7	1	0.49	2.8	0.49
V340672		9.92	0.33	7.60	8.6	2230	1.58	0.61	1.90	0.37	36.6	7.8	13	14.05	22.8	3.56
V340673		9.42	0.56	6.75	17.8	430	1.45	1.01	2.53	0.51	41.2	10.1	12	11.25	28.8	4.27
V340674		<0.02	0.47	6.68	17.1	410	1.33	1.05	2.36	0.45	44.4	9.6	10	11.30	30.0	3.92
V340675		4.40	0.56	6.79	75.8	1420	1.56	0.88	2.29	0.54	44.1	8.5	11	15.45	44.5	3.26
V340676		2.14	0.50	6.29	148.0	330	1.53	0.80	3.41	0.50	49.1	11.4	11	20.3	41.9	3.43
V340677		11.18	0.21	7.16	143.5	1650	1.37	0.31	2.19	0.27	40.5	6.1	12	25.1	14.5	2.71
V340678		10.22	0.51	6.89	275	550	1.30	0.81	2.44	0.86	50.6	6.8	16	20.9	55.6	3.55
V340679		10.50	0.15	7.02	57.2	2080	1.54	0.27	2.60	0.22	44.2	8.8	11	22.6	11.5	3.02
V340680		11.30	0.35	7.01	32.2	510	1.54	0.91	2.38	0.36	49.5	8.5	11	18.00	23.1	3.63
V340681		0.30	9.07	6.76	1950	370	1.46	5.93	1.93	38.9	42.6	15.6	21	17.00	110.0	5.35
V340682		9.64	0.43	6.89	24.4	280	1.45	1.43	2.07	0.24	42.8	10.2	15	11.50	20.7	4.58
V340683		11.60	0.38	7.16	15.0	1350	1.43	0.84	2.04	0.51	50.0	7.7	12	10.85	29.3	3.60
V340684		10.54	0.53	6.91	20.4	1870	1.54	0.85	2.33	0.36	47.1	6.2	13	17.65	95.8	2.91
V340685		5.18	1.01	7.62	12.1	380	1.32	4.31	2.02	0.32	49.1	8.4	12	13.95	53.7	5.02
V340686		3.04	0.21	6.52	25.0	2110	1.31	0.35	1.74	0.34	33.1	6.0	13	22.7	23.8	2.53
V340687		5.86	<0.01	0.07	<0.2	40	0.08	0.02	20.7	0.05	1.13	0.7	1	0.18	1.7	0.47
V340688		5.86	0.27	6.88	13.5	1920	1.37	0.71	2.44	0.26	48.3	10.2	14	18.00	25.2	3.81



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142048

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V340653		16.00	0.19	1.2	0.088	2.92	23.0	18.9	0.73	444	1.98	1.29	8.0	2.1	540
V340654		17.70	0.24	1.1	0.111	3.20	22.0	27.3	0.56	488	4.89	0.21	8.0	2.5	650
V340655		16.70	0.19	0.9	0.112	2.82	24.1	33.9	0.70	510	7.11	0.25	7.5	2.0	590
V340656		14.95	0.12	0.7	0.096	2.54	22.3	39.2	0.68	466	4.10	0.21	6.8	2.0	570
V340657		15.55	0.11	0.9	0.118	2.71	19.1	28.9	0.60	601	3.33	0.75	7.7	2.3	620
V340658		15.75	0.11	0.8	0.136	2.86	19.9	25.5	0.48	1040	2.93	0.09	8.1	2.2	640
V340659		13.35	0.11	0.9	0.156	2.95	23.4	13.3	0.75	661	2.84	0.19	6.4	1.9	470
V340660		14.95	0.13	0.9	0.092	2.73	25.0	22.3	0.76	643	1.87	0.85	7.5	2.5	550
V340661		15.15	0.12	1.0	0.064	2.55	21.8	15.3	0.64	485	4.32	1.61	8.1	2.5	570
V340662		13.25	0.13	0.8	0.160	2.83	20.0	21.4	0.67	818	1.90	0.07	5.6	2.5	490
V340663		14.75	0.13	1.0	0.086	2.52	25.5	13.9	0.74	470	1.91	1.81	7.7	2.9	570
V340664		14.45	0.12	1.1	0.078	2.70	23.0	24.1	0.65	451	1.98	1.05	7.6	2.2	520
V340665		15.55	0.10	1.1	0.074	1.73	18.1	53.6	0.40	562	2.44	0.07	8.3	2.3	600
V340666		13.75	0.11	1.0	0.117	2.91	21.8	17.0	0.70	578	2.51	0.46	7.3	2.3	540
V340667		14.90	0.12	1.0	0.815	2.93	21.7	20.6	0.75	1840	9.27	0.13	6.2	12.6	550
V340668		14.90	0.16	0.9	0.269	3.25	44.1	6.0	1.26	959	1.61	0.05	6.4	1.9	560
V340669		14.95	0.10	0.9	0.167	3.19	18.7	16.7	0.58	608	2.77	0.32	6.7	2.3	580
V340670		12.05	0.12	0.7	0.217	2.41	19.2	25.6	0.93	1370	2.38	0.07	5.8	1.9	460
V340671		0.26	0.12	<0.1	<0.005	0.04	0.6	1.3	13.05	216	0.08	<0.01	0.2	1.5	180
V340672		16.10	0.13	1.1	0.082	2.91	18.4	22.0	0.79	458	2.76	0.99	8.2	2.5	630
V340673		14.25	0.12	1.0	0.104	2.79	20.6	21.6	0.70	550	42.5	0.52	7.2	2.3	690
V340674		13.65	0.13	1.0	0.104	2.64	23.2	20.4	0.70	514	56.2	0.45	7.0	2.1	660
V340675		15.00	0.12	1.1	0.082	3.02	22.8	14.5	0.70	462	12.60	0.63	7.9	2.7	570
V340676		13.65	0.13	0.9	0.059	2.65	27.9	11.4	1.16	564	2.14	0.04	5.9	2.7	480
V340677		15.50	0.11	1.1	0.066	2.51	20.7	50.4	0.55	413	2.69	0.08	7.9	2.2	590
V340678		13.50	0.11	1.1	0.079	2.84	27.8	9.2	0.85	537	4.96	0.05	7.0	2.5	520
V340679		15.55	0.12	0.9	0.058	2.59	23.0	20.1	0.74	476	2.89	1.08	8.5	2.4	580
V340680		14.85	0.12	0.8	0.076	2.73	26.6	30.1	0.67	362	2.96	0.88	6.6	2.3	550
V340681		13.70	0.11	1.3	0.874	2.97	22.3	24.1	0.71	2060	11.15	0.27	6.8	15.0	530
V340682		14.10	0.12	0.8	0.105	2.84	22.0	16.4	0.75	390	9.80	1.20	5.9	2.4	570
V340683		15.05	0.13	0.9	0.086	2.86	27.6	18.2	0.71	395	2.82	1.24	6.9	2.3	560
V340684		14.80	0.12	0.8	0.106	2.90	25.4	24.2	0.74	423	2.17	0.87	6.5	2.0	560
V340685		14.65	0.13	0.8	0.098	2.82	26.9	25.1	0.67	522	2.75	0.50	6.8	2.3	610
V340686		15.60	0.10	0.9	0.066	2.19	16.1	49.2	0.47	623	1.66	0.08	8.2	1.9	600
V340687		0.23	0.16	<0.1	0.006	0.03	0.6	1.0	12.70	201	0.05	0.01	0.2	1.4	190
V340688		15.15	0.13	0.9	0.109	2.74	25.8	15.1	0.68	500	1.67	0.93	7.3	2.3	560



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142048

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V340653		112.0	<0.002	0.66	4.15	9.9	1	2.3	261	0.69	0.14	14.40	0.228	1.62	5.1	62
V340654		124.5	<0.002	1.53	18.65	11.5	1	3.8	110.0	0.70	0.55	11.80	0.250	2.06	5.0	73
V340655		111.0	<0.002	0.87	17.85	10.7	1	3.4	108.5	0.50	0.19	10.90	0.247	2.01	3.6	67
V340656		99.7	<0.002	0.87	13.20	10.1	1	3.2	101.5	0.45	0.15	10.65	0.228	1.71	3.2	62
V340657		101.0	<0.002	0.66	13.75	10.8	1	2.7	182.0	0.53	0.31	10.85	0.251	1.59	4.4	69
V340658		115.0	<0.002	0.76	17.05	11.4	1	2.8	56.8	0.57	0.09	11.90	0.260	1.86	3.1	70
V340659		132.5	<0.002	2.21	4.41	8.3	1	4.2	90.4	0.59	0.08	14.20	0.174	1.99	5.6	51
V340660		111.0	<0.002	1.35	3.26	10.4	1	2.6	208	0.58	0.06	12.55	0.233	1.62	4.0	65
V340661		90.8	<0.002	0.96	5.39	10.6	1	2.1	292	0.58	0.28	12.25	0.239	1.18	3.4	64
V340662		132.0	<0.002	3.15	28.6	8.5	1	5.8	59.4	0.45	0.17	11.00	0.179	1.90	5.9	57
V340663		103.5	<0.002	0.48	3.77	9.6	1	2.0	309	0.64	<0.05	13.05	0.234	1.26	4.6	62
V340664		109.0	<0.002	0.67	4.58	9.9	1	2.3	215	0.63	<0.05	12.95	0.213	1.45	4.1	60
V340665		65.9	<0.002	1.60	25.4	10.7	1	2.4	108.5	0.72	0.12	11.90	0.241	1.10	5.5	68
V340666		107.5	<0.002	2.48	4.38	9.5	2	3.9	148.5	0.59	0.14	11.15	0.214	1.78	5.3	64
V340667		161.0	0.002	4.65	64.5	8.9	2	7.6	96.5	0.50	1.15	11.20	0.206	2.39	4.9	63
V340668		138.0	<0.002	3.16	20.5	9.5	2	8.6	77.6	0.52	9.40	12.35	0.207	2.24	3.9	62
V340669		116.5	<0.002	1.95	27.1	9.7	1	4.9	114.5	0.51	2.92	9.81	0.225	1.90	4.3	65
V340670		101.0	<0.002	7.31	177.5	8.1	4	4.4	75.9	0.43	7.85	9.57	0.182	1.55	2.9	52
V340671		2.7	<0.002	0.01	0.37	0.2	<1	0.2	42.5	<0.05	<0.05	0.14	<0.005	0.03	1.0	2
V340672		103.0	<0.002	0.37	4.92	11.0	1	2.1	207	0.60	0.11	11.70	0.262	1.33	3.5	72
V340673		94.6	0.006	2.33	6.44	11.5	2	3.5	144.5	0.56	0.14	10.75	0.256	1.43	4.7	74
V340674		108.5	0.005	2.16	6.24	11.2	2	3.4	133.0	0.55	0.07	12.00	0.241	1.44	4.7	68
V340675		112.0	<0.002	1.60	6.17	10.3	1	3.2	155.0	0.59	0.06	12.20	0.228	1.82	4.9	64
V340676		133.0	<0.002	2.03	7.70	8.7	1	3.4	88.6	0.48	0.12	11.90	0.189	2.20	5.8	57
V340677		82.1	<0.002	0.84	7.42	10.0	1	2.3	112.5	0.66	0.05	12.15	0.253	1.75	4.6	68
V340678		117.0	<0.002	2.66	8.38	9.7	1	3.6	48.3	0.59	0.13	13.20	0.210	2.54	4.0	61
V340679		94.8	<0.002	0.87	4.29	11.1	1	2.0	241	0.61	<0.05	11.80	0.244	1.62	3.7	66
V340680		119.5	<0.002	1.83	8.17	9.9	1	3.7	211	0.52	0.15	12.45	0.218	1.45	4.0	63
V340681		155.5	0.002	3.14	34.8	8.0	1	5.3	148.0	0.55	0.24	11.30	0.211	2.25	4.9	58
V340682		118.0	0.002	2.96	7.75	10.4	2	3.6	224	0.47	0.12	11.55	0.207	1.52	3.6	67
V340683		118.0	<0.002	1.54	5.28	10.1	2	3.7	222	0.56	0.10	13.75	0.224	1.36	4.8	65
V340684		112.5	<0.002	1.01	9.43	9.7	1	3.3	176.5	0.50	0.07	13.45	0.218	1.46	4.1	64
V340685		112.0	<0.002	2.66	8.99	10.2	2	3.4	141.0	0.50	0.08	13.85	0.238	1.35	4.8	70
V340686		72.5	<0.002	0.22	26.1	10.3	1	2.2	107.0	0.55	<0.05	10.05	0.245	1.23	2.9	66
V340687		1.3	<0.002	0.01	0.09	0.2	<1	<0.2	46.8	<0.05	<0.05	0.12	<0.005	0.02	0.5	2
V340688		113.5	<0.002	1.30	6.95	10.7	1	3.1	212	0.54	0.10	12.05	0.228	1.40	4.1	66



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17142048

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340653		1.8	13.6	124	30.1	0.040
V340654		3.0	13.8	144	27.8	0.149
V340655		4.1	11.7	199	23.7	0.043
V340656		4.0	11.7	222	21.2	0.036
V340657		4.5	12.8	127	23.5	0.035
V340658		6.3	12.5	336	22.6	0.030
V340659		9.5	12.1	168	24.2	0.049
V340660		7.2	14.5	102	24.8	0.008
V340661		4.6	13.5	83	25.6	0.012
V340662		13.6	13.2	159	22.3	0.212
V340663		2.6	15.0	87	26.9	0.010
V340664		2.9	14.6	86	26.5	0.015
V340665		8.3	13.1	83	28.2	0.025
V340666		12.9	12.8	83	25.2	0.010
V340667		5.7	11.2	2520	29.1	0.943
V340668		8.1	11.7	205	22.8	0.080
V340669		7.0	11.8	129	23.9	0.040
V340670		7.1	17.0	832	19.0	0.276
V340671		0.1	0.7	19	<0.5	<0.005
V340672		2.3	12.9	86	27.0	0.019
V340673		9.5	14.5	96	25.7	0.010
V340674		9.9	14.8	85	25.1	0.013
V340675		8.0	13.6	90	28.9	0.011
V340676		3.5	16.0	70	22.2	0.021
V340677		4.0	12.2	55	28.0	0.007
V340678		9.8	14.9	138	27.9	0.030
V340679		3.5	14.3	52	24.5	0.006
V340680		4.2	13.4	84	22.3	0.027
V340681		6.9	11.5	3210	39.0	0.747
V340682		7.0	12.3	78	22.2	0.023
V340683		4.9	17.7	94	24.6	0.019
V340684		4.1	13.1	84	23.6	0.046
V340685		9.2	14.4	73	24.0	0.008
V340686		6.4	12.2	81	25.0	0.008
V340687		0.1	0.7	16	<0.5	<0.005
V340688		5.2	14.7	71	25.7	0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17142048

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE WH17147667

Project: Klaza

P.O. No.: 17-057

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147667

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V340125		5.12	30.3	6.73	129.0	720	1.44	70.7	1.52	1.59	56.0	133.0	12	13.30	61.0	8.68
V340126		8.74	0.52	7.47	16.9	2420	1.70	1.40	2.68	0.17	47.8	15.0	14	10.05	30.2	3.17
V340127		6.42	0.16	8.58	10.4	2460	1.41	0.82	1.08	0.11	44.5	10.6	12	10.55	34.2	3.27
V340128		3.24	0.09	7.09	38.4	2370	2.13	0.18	4.25	0.19	63.8	7.7	18	31.2	21.0	2.75
V340129		3.06	1.58	7.58	99.7	1140	1.67	3.01	2.02	0.41	50.8	17.7	13	10.40	182.0	4.78
V340130		4.14	0.23	7.83	47.8	2250	1.92	0.15	2.24	1.69	47.5	10.3	10	17.10	8.7	3.42
V340131		2.06	12.95	6.35	2480	630	1.46	5.57	3.13	47.3	40.2	11.9	8	19.05	211	4.94
V340132		0.34	10.75	6.98	1965	1140	1.78	7.19	2.00	43.1	45.1	17.1	20	16.95	116.5	5.63
V340133		4.88	0.32	8.01	64.6	2550	1.74	0.21	2.61	0.55	52.1	8.0	13	16.00	11.1	3.22
V340134		2.60	5.82	7.76	205	1540	1.68	0.97	1.71	28.8	58.3	8.6	12	22.4	141.0	4.03
V340135		9.86	0.23	7.51	33.3	2590	1.68	0.11	2.52	0.42	40.6	7.1	14	14.00	30.2	3.09
V340136		2.30	5.95	7.06	290	1020	1.60	1.93	2.67	19.55	40.9	8.3	9	21.2	62.6	4.76
V340137		6.14	0.02	0.06	0.6	460	0.07	0.01	22.4	0.16	1.39	0.7	1	0.18	2.0	0.53
V340138		8.44	0.41	6.99	30.6	2190	1.58	0.84	2.72	0.29	39.4	7.0	12	21.8	6.8	3.04
V340139		3.86	13.90	6.14	8190	2360	1.35	7.73	2.12	88.4	40.7	5.8	10	14.95	232	6.01
V340140		9.82	1.48	7.59	164.5	2390	1.57	0.63	2.34	3.75	45.5	7.3	12	25.2	27.8	3.46
V340141		6.82	4.17	6.94	254	1110	1.53	4.16	2.28	6.65	44.2	6.6	10	22.8	19.3	3.27
V340142		<0.02	3.45	7.25	251	1600	1.68	3.17	2.34	6.61	49.5	6.3	10	23.5	15.9	3.31
V340143		5.08	0.35	7.70	77.1	1630	1.75	0.28	2.30	0.47	44.3	7.0	11	26.3	9.2	2.91
V340144		2.34	0.83	7.46	31.2	2380	1.54	0.13	2.22	5.89	34.8	5.9	11	18.35	5.8	3.24
V340145		3.26	6.30	6.93	290	2270	1.55	3.51	2.18	76.9	42.4	7.4	12	17.40	101.0	4.06
V340146		6.70	0.32	7.16	41.4	2230	1.61	0.39	2.51	0.77	40.9	6.9	10	20.4	13.5	3.20
V340147		2.68	0.26	7.40	35.7	2400	1.74	0.26	2.64	0.57	41.2	7.2	11	20.5	16.2	3.24
V340148		4.68	1.94	7.48	117.5	2560	1.53	0.25	2.02	9.89	57.9	6.8	9	23.3	22.8	4.29
V340149		3.86	0.54	7.67	72.6	820	1.97	0.32	2.62	2.28	53.0	6.8	9	24.1	17.8	3.19
V340150		5.18	3.30	7.52	892	610	1.77	2.70	0.99	12.30	56.1	9.0	9	23.9	153.0	5.03
V340151		6.06	0.02	0.08	1.5	40	<0.05	<0.01	21.6	0.08	1.53	0.7	1	0.23	1.9	0.48
V340152		4.68	0.65	7.37	68.6	1910	1.58	0.21	2.03	2.68	49.3	6.5	11	20.1	15.1	3.43
V340153		6.78	0.96	7.63	26.2	2400	1.49	0.52	2.67	9.42	47.0	7.1	11	21.3	25.8	3.13
V340154		2.72	7.37	6.38	1675	1850	1.31	4.14	1.37	49.8	39.7	6.6	14	15.10	72.2	4.95
V340155		0.34	11.30	6.45	1605	210	1.39	11.45	1.86	31.7	43.7	18.0	16	13.30	288	6.49
V340156		9.24	0.22	7.56	23.9	2160	1.41	0.15	1.64	1.83	40.1	7.9	12	17.15	21.5	2.93
V340157		4.10	5.03	6.76	593	1050	1.73	1.37	2.57	14.30	41.2	7.5	10	21.1	65.6	3.19
V340158		5.96	0.14	7.28	15.9	2070	1.91	0.10	2.56	0.55	38.3	6.4	10	17.45	8.8	3.02
V340159		3.32	3.22	6.97	254	1910	1.82	0.74	1.80	36.0	40.3	8.2	10	23.0	86.9	2.80
V340160		9.90	0.18	7.45	92.3	1980	1.52	0.11	2.86	0.42	44.1	7.4	11	17.60	12.6	2.82



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147667

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V340125		14.15	0.12	0.9	0.214	3.06	33.0	21.2	0.78	615	12.20	0.30	6.0	4.8	540
V340126		16.25	0.13	1.2	0.077	3.03	25.8	15.7	0.86	539	6.87	2.03	8.0	3.2	610
V340127		18.75	0.11	1.4	0.067	3.10	22.1	47.8	0.50	435	3.58	0.13	10.0	3.4	740
V340128		17.25	0.15	2.8	0.038	2.32	34.4	57.9	1.12	775	0.80	0.05	9.8	7.0	1210
V340129		16.35	0.13	0.9	0.158	2.91	28.3	37.3	0.84	677	19.85	0.15	7.3	3.7	660
V340130		17.15	0.12	1.3	0.041	3.24	24.5	24.4	0.66	1020	2.30	1.61	8.9	2.8	660
V340131		13.60	0.11	1.0	1.225	2.75	21.0	19.4	1.05	2760	1.81	0.62	6.3	2.4	470
V340132		15.25	0.11	1.4	0.951	3.12	23.5	26.7	0.77	2140	12.35	0.27	8.1	16.4	540
V340133		16.80	0.14	1.3	0.051	3.05	27.2	18.1	0.85	586	1.92	2.45	8.5	2.6	630
V340134		16.15	0.13	1.2	0.392	3.86	32.3	21.1	0.60	1950	1.77	0.19	7.7	2.6	630
V340135		16.30	0.12	1.2	0.044	3.07	20.6	12.6	0.72	569	1.58	1.95	8.2	2.7	640
V340136		15.35	0.11	1.0	0.205	3.41	21.3	14.7	0.92	3830	1.41	0.08	7.1	2.5	560
V340137		0.24	0.12	<0.1	<0.005	0.03	0.7	1.3	13.90	230	<0.05	<0.01	0.2	1.5	190
V340138		15.75	0.14	1.2	0.108	2.97	19.8	34.4	0.74	900	1.25	1.21	8.5	2.3	650
V340139		13.00	0.11	0.9	1.395	2.90	21.1	13.9	0.81	2910	1.63	0.03	6.0	2.0	490
V340140		15.35	0.10	1.1	0.170	3.26	24.6	29.7	0.88	1620	1.41	0.03	7.6	2.4	590
V340141		14.70	0.11	1.1	0.156	3.10	23.6	21.0	0.79	1780	4.67	0.03	7.1	2.3	540
V340142		14.70	0.11	1.2	0.153	3.12	27.7	21.9	0.84	1820	4.37	0.03	7.2	2.4	560
V340143		16.30	0.11	1.3	0.091	3.20	23.3	66.2	0.70	783	1.29	0.66	8.2	2.3	610
V340144		17.20	0.12	1.3	0.072	3.48	16.7	30.3	0.59	925	1.12	0.34	8.6	2.3	640
V340145		14.85	0.11	1.1	1.670	3.52	22.6	23.0	0.71	1360	1.85	0.39	7.2	2.2	560
V340146		16.15	0.12	1.3	0.072	3.28	20.5	51.2	0.72	1020	1.11	0.58	8.2	2.3	590
V340147		16.25	0.12	1.2	0.067	3.31	20.6	47.7	0.73	977	1.10	0.66	8.0	2.3	600
V340148		15.75	0.14	1.2	0.334	3.18	32.6	19.4	0.86	3340	3.95	0.03	7.7	2.6	570
V340149		16.40	0.15	1.1	0.170	3.23	30.1	64.1	0.95	1910	1.64	0.03	7.8	2.3	600
V340150		19.40	0.12	1.4	0.262	3.29	32.0	61.1	0.59	2140	2.93	0.02	7.7	2.6	590
V340151		0.28	0.16	<0.1	<0.005	0.04	0.8	1.3	13.55	211	<0.05	<0.01	0.2	1.4	190
V340152		15.70	0.12	1.2	0.130	3.33	25.9	26.4	0.63	1480	1.71	0.86	8.1	2.3	570
V340153		16.25	0.13	1.2	0.227	3.09	24.4	53.6	0.71	843	1.31	1.45	8.3	2.4	650
V340154		14.30	0.10	0.8	1.120	3.00	20.7	25.0	0.60	2120	2.64	0.05	6.4	2.4	480
V340155		14.90	0.12	1.0	0.800	2.87	22.8	19.4	0.75	1780	8.89	0.12	6.3	16.5	550
V340156		16.10	0.12	1.1	0.075	1.86	20.1	215	0.55	755	1.53	0.48	8.0	2.7	670
V340157		15.55	0.13	1.0	0.158	2.70	21.9	70.6	0.68	1800	1.42	0.03	7.3	2.9	560
V340158		16.40	0.12	1.2	0.042	2.83	19.0	65.7	0.71	579	1.67	1.46	8.2	2.9	620
V340159		16.15	0.13	1.1	0.610	3.23	20.4	172.5	0.57	1440	1.76	0.07	7.7	2.7	580
V340160		16.20	0.15	1.2	0.043	2.73	22.6	50.3	0.71	688	1.82	1.69	8.0	2.7	600



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17147667

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V340125		170.5	<0.002	7.37	12.70	8.7	4	8.5	89.6	0.49	1.76	11.60	0.198	2.27	4.5	57
V340126		107.5	<0.002	0.78	2.14	10.0	1	5.5	356	0.63	0.22	13.35	0.261	1.36	4.3	70
V340127		117.0	<0.002	0.38	6.63	12.3	1	4.4	102.5	0.83	0.14	12.15	0.316	1.35	3.8	85
V340128		94.2	<0.002	0.10	10.85	7.1	1	2.1	223	0.59	<0.05	8.12	0.338	1.15	3.4	67
V340129		167.5	<0.002	2.41	11.25	11.3	1	9.5	128.5	0.52	0.27	10.85	0.249	1.78	4.4	73
V340130		121.5	<0.002	0.11	4.48	10.9	1	1.7	284	0.67	<0.05	11.95	0.287	1.76	3.7	75
V340131		138.0	<0.002	3.14	48.1	9.0	1	2.9	177.5	0.48	0.29	9.73	0.207	2.36	3.9	59
V340132		172.0	<0.002	3.36	34.6	9.2	1	6.3	160.0	0.61	0.29	11.45	0.224	2.64	5.6	62
V340133		119.0	<0.002	0.09	2.28	10.8	1	1.9	398	0.63	<0.05	12.50	0.279	1.29	4.4	73
V340134		205	<0.002	1.60	18.25	11.1	1	3.2	94.2	0.59	<0.05	12.30	0.264	3.27	5.2	72
V340135		115.5	<0.002	0.03	3.03	10.5	1	1.5	323	0.62	<0.05	10.35	0.274	1.54	3.0	73
V340136		178.5	<0.002	2.56	25.0	10.0	1	2.3	147.0	0.52	0.06	10.40	0.234	3.72	4.9	65
V340137		1.4	<0.002	0.01	0.09	0.2	<1	<0.2	58.3	<0.05	<0.05	0.11	<0.005	0.02	0.5	2
V340138		108.0	<0.002	0.17	5.63	9.7	1	2.1	265	0.62	<0.05	9.94	0.281	2.19	3.9	76
V340139		183.0	<0.002	4.58	82.7	8.1	1	3.8	91.6	0.45	0.07	10.10	0.204	3.22	4.5	54
V340140		165.0	<0.002	1.32	17.05	9.6	1	2.0	124.0	0.57	<0.05	11.75	0.256	3.53	5.4	68
V340141		164.0	<0.002	1.41	28.4	9.3	1	1.9	99.4	0.54	<0.05	10.80	0.238	3.49	5.8	65
V340142		179.5	<0.002	1.37	27.2	9.8	1	1.8	99.1	0.54	<0.05	11.65	0.240	3.46	5.7	67
V340143		131.5	<0.002	0.42	13.55	10.4	1	2.1	206	0.63	<0.05	11.35	0.266	2.35	4.6	72
V340144		129.5	<0.002	0.19	13.50	10.2	1	2.2	125.0	0.68	<0.05	10.40	0.275	2.23	6.3	75
V340145		155.0	<0.002	1.27	14.20	9.4	1	4.3	133.0	0.59	<0.05	11.10	0.234	2.49	4.6	65
V340146		126.5	<0.002	0.34	9.30	9.7	1	2.1	210	0.68	<0.05	10.90	0.255	2.42	5.4	68
V340147		129.5	<0.002	0.26	9.87	9.7	1	2.4	209	0.65	<0.05	11.10	0.255	2.31	5.6	68
V340148		168.0	<0.002	1.08	17.65	10.6	1	3.1	106.5	0.60	<0.05	13.30	0.245	3.39	7.4	66
V340149		176.5	<0.002	0.52	17.40	10.9	1	2.6	130.0	0.60	<0.05	12.55	0.259	3.43	7.2	69
V340150		184.5	<0.002	2.13	41.4	11.2	1	14.5	73.8	0.59	<0.05	13.10	0.248	3.22	4.4	70
V340151		1.8	<0.002	0.01	0.14	0.2	<1	<0.2	49.3	<0.05	<0.05	0.16	<0.005	0.03	0.5	2
V340152		142.0	<0.002	0.70	11.50	9.1	1	3.3	192.5	0.65	<0.05	11.95	0.255	2.30	5.1	66
V340153		118.0	<0.002	0.22	12.05	9.8	1	2.0	273	0.62	<0.05	11.00	0.278	1.66	4.3	74
V340154		154.0	<0.002	2.54	41.2	8.5	1	5.1	96.0	0.48	<0.05	9.62	0.210	2.67	4.2	58
V340155		151.5	0.002	4.66	65.7	9.4	2	8.1	94.4	0.52	1.06	10.85	0.204	2.40	5.1	63
V340156		71.4	<0.002	0.17	28.9	10.7	1	2.1	221	0.64	<0.05	10.95	0.267	1.13	3.8	71
V340157		113.0	<0.002	1.06	34.9	9.8	1	4.3	91.9	0.57	<0.05	10.50	0.237	2.62	5.9	64
V340158		95.6	<0.002	0.07	6.51	10.3	1	1.7	275	0.65	<0.05	10.85	0.262	1.35	3.4	71
V340159		132.5	<0.002	0.87	57.0	10.1	1	2.9	98.9	0.59	<0.05	10.75	0.248	2.53	4.5	68
V340160		107.0	<0.002	0.16	5.84	10.6	1	1.7	318	0.66	<0.05	12.05	0.253	1.24	3.8	68



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147667

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340125		2.6	11.4	165	22.7	0.502
V340126		1.0	15.4	38	31.8	0.020
V340127		10.4	15.8	38	35.9	0.007
V340128		3.5	14.3	59	127.5	<0.005
V340129		6.6	14.6	83	24.1	1.270
V340130		2.3	17.4	221	39.4	0.005
V340131		5.3	13.1	4180	28.2	0.767
V340132		5.5	11.8	3200	43.0	0.784
V340133		1.7	17.5	75	37.9	0.018
V340134		4.1	13.8	2230	33.6	0.210
V340135		1.6	14.4	78	32.3	<0.005
V340136		5.2	12.3	1400	29.9	0.389
V340137		0.1	0.9	22	0.7	<0.005
V340138		1.9	14.1	67	34.2	0.007
V340139		5.6	10.9	6980	26.9	2.70
V340140		5.0	12.9	358	32.1	0.068
V340141		4.9	12.1	546	32.1	0.097
V340142		4.9	12.3	559	31.7	0.093
V340143		2.2	14.6	72	38.0	0.032
V340144		3.1	13.6	481	37.8	0.022
V340145		4.0	13.2	5330	32.9	0.214
V340146		2.6	14.2	88	36.7	0.018
V340147		2.4	14.5	79	36.1	0.014
V340148		4.8	13.8	759	34.7	0.168
V340149		4.3	15.4	268	30.5	0.031
V340150		8.6	11.6	924	32.2	0.349
V340151		0.1	0.9	16	<0.5	<0.005
V340152		3.0	14.5	226	35.4	0.048
V340153		1.9	15.9	656	33.0	0.030
V340154		4.9	10.5	3220	24.8	0.509
V340155		5.8	10.8	2430	30.3	0.862
V340156		5.5	14.0	175	32.1	0.011
V340157		4.4	14.5	984	28.8	0.242
V340158		2.0	15.0	89	36.3	<0.005
V340159		3.0	12.4	2310	32.1	0.178
V340160		1.6	17.4	59	34.2	0.012



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
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CERTIFICATE OF ANALYSIS WH17147667

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31	CRU-QC
LOG-21	LOG-21d	LOG-23	ME-MS61
PUL-31	PUL-31d	SPL-21	SPL-21d
WEI-21			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
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CERTIFICATE WH17147672

Project: Klaza

P.O. No.: 17-055

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH17147672

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR22 Au ppm	Ag-OG62 Ag ppm	Cu-OG62 Cu %	Pb-OG62 Pb %	Zn-OG62 Zn %	As-OG62 As %	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
		0.02	0.05	1	0.001	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02
V341723		1.42		457			1.875		>100	4.82	604	230	1.35	856	5.49	233
V341724		2.02		281					>100	5.47	688	750	1.42	488	5.82	60.3
V341725		3.18		109					>100	3.61	4430	350	1.21	122.0	3.37	42.5
V341726		2.46		220					>100	3.56	7890	210	0.93	432	2.21	3.82
V341727		1.38		594	1.870	3.06	3.03		>100	1.68	2530	160	0.45	901	1.34	285
V341728		5.02		277		1.180	2.47		>100	2.60	2380	150	0.80	348	5.53	315
V341729		3.12	10.60	209					>100	3.97	3470	110	0.93	267	1.05	13.25
V341730		6.06						0.65	0.05	5.3	20	<0.05	0.74	21.2	0.14	
V341731		5.64						7.19	6.88	879	2460	1.35	2.01	0.21	15.05	
V341732		<0.02						6.91	6.79	880	2420	1.43	1.84	0.18	14.50	
V341733		1.92	27.1	105		1.210	8.46	2.57	>100	2.12	>10000	970	0.69	65.0	0.35	>1000
V341734		6.72							2.35	5.83	396	1100	1.48	0.95	0.37	44.1
V341735		4.42							1.05	8.09	365	1880	1.70	1.18	0.99	72.8
V341736		3.34	12.15	118			4.40		>100	4.88	8230	150	1.20	109.5	0.21	817
V341737		2.90	18.05	177		1.115	13.05	1.365	>100	4.03	>10000	3130	0.81	193.0	0.37	>1000
V341738		5.96							0.18	0.08	8.4	40	0.06	0.21	21.8	1.66
V341739		6.58							2.90	7.50	388	2360	1.30	0.74	0.68	79.8
V341740		7.14							1.66	7.51	181.0	1250	1.46	1.28	0.48	45.5
V341741		1.70	12.60				4.55	1.680	21.5	3.22	>10000	1930	0.80	18.05	0.15	888
V341742		1.60							15.75	6.17	9750	760	1.24	2.63	0.24	33.3
V341743		1.70	19.90					4.38	31.2	4.29	>10000	1700	1.02	10.60	0.30	40.3
V341744		0.18	13.85	132	2.83	2.43	15.30		>100	4.40	204	810	0.46	1.86	2.08	818
V341745		1.44			1.015		3.05		75.3	5.09	2270	80	1.04	11.15	0.24	293
V341746		2.68		236		4.19	2.04	1.325	>100	4.53	>10000	140	0.99	159.5	0.92	189.5
V341747		1.88							34.1	5.21	1910	270	1.35	7.06	3.37	87.1
V341748		2.80					1.650		13.30	6.28	2000	1710	1.47	3.47	2.40	227
V341749		2.14							30.2	2.99	3910	140	0.74	5.89	3.99	45.1
V341750		5.86	17.10				1.450		77.7	5.73	762	490	1.15	83.9	0.90	190.0
V341751		3.28	10.05				0.951	1.390	86.6	4.15	>10000	780	0.90	34.0	0.27	114.0
V341752		2.48	12.80	151			6.97		>100	2.80	7090	120	0.69	157.0	3.40	959
V341753		0.34							40.1	5.80	2570	590	1.08	35.7	1.71	46.1
V341754		4.44							3.18	6.37	642	1370	1.63	1.10	1.40	38.7
V341755		<0.02							3.01	6.43	682	1550	1.69	0.87	1.43	41.0
V341756		3.18				1.295			48.7	4.64	1550	1510	1.21	14.35	0.66	53.1
V341757		3.44							4.80	4.53	7220	360	1.11	1.59	0.75	78.8
V341758		2.26	30.4	111			2.05	4.94	>100	4.13	>10000	600	0.82	76.1	0.10	586



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17147672

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
		Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
		ppm 0.01	ppm 0.1	ppm 1	ppm 0.05	ppm 0.2	% 0.01	ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5
V341723		34.8	6.2	12	12.60	2030	6.18	12.95	0.07	1.3	9.05	1.98	18.5	19.2	1.89	2580
V341724		48.4	3.9	6	17.50	4010	3.62	13.50	0.08	1.6	5.04	1.92	26.1	53.3	1.86	3720
V341725		21.5	6.1	5	16.80	3170	8.76	9.93	<0.05	0.7	2.71	1.31	11.2	32.5	1.11	3350
V341726		30.0	13.1	7	12.25	5830	12.00	9.47	<0.05	0.5	2.78	1.53	15.7	19.5	0.77	596
V341727		13.65	12.7	5	3.77	>10000	21.6	5.88	0.06	0.2	7.65	0.70	8.0	11.3	0.47	811
V341728		18.60	3.4	9	4.90	5470	8.95	8.61	<0.05	0.4	11.95	1.20	10.4	12.8	2.03	8490
V341729		19.85	21.8	13	6.38	6070	14.40	9.05	<0.05	0.5	1.140	1.98	9.4	14.5	0.39	961
V341730		0.98	0.9	1	0.10	16.7	0.49	0.24	0.09	<0.1	0.010	0.02	0.5	1.0	13.10	209
V341731		52.9	1.8	10	26.9	74.9	4.24	16.10	<0.05	1.0	0.352	3.14	32.3	15.8	0.24	411
V341732		46.8	1.9	10	27.1	75.4	4.20	16.55	0.08	1.0	0.339	3.14	27.3	16.2	0.23	378
V341733		11.15	3.3	7	13.90	3480	8.61	7.38	<0.05	0.3	60.0	0.92	5.8	22.0	0.20	693
V341734		41.7	4.7	11	22.4	73.6	3.22	12.80	0.05	0.8	0.780	2.32	24.3	69.4	0.25	1400
V341735		59.4	6.6	13	15.65	35.5	3.38	17.30	0.12	1.0	0.193	3.94	34.1	27.6	0.49	2480
V341736		20.3	3.8	9	11.60	4270	5.85	12.40	0.10	0.7	33.9	2.72	9.8	11.8	0.21	1200
V341737		14.05	7.2	6	11.05	2530	6.49	9.48	0.11	0.5	94.1	1.96	5.7	11.4	0.22	1620
V341738		1.58	0.6	1	0.35	4.3	0.50	0.23	0.12	<0.1	0.071	0.04	0.8	1.2	13.10	219
V341739		59.8	9.1	10	16.75	54.7	3.63	14.65	0.15	0.9	0.564	3.45	34.5	16.2	0.41	2200
V341740		43.9	8.4	12	17.20	32.7	3.31	15.80	0.13	0.9	0.386	3.62	23.5	25.9	0.35	1590
V341741		14.50	9.6	9	16.00	627	7.45	7.20	0.10	0.5	50.1	1.50	8.3	29.2	0.16	565
V341742		35.1	4.4	16	9.38	103.0	6.57	14.55	0.11	0.8	0.547	3.03	18.0	9.3	0.29	1510
V341743		27.7	4.5	13	8.71	391	7.71	12.85	0.13	0.6	0.566	1.99	14.5	12.2	0.22	860
V341744		20.3	56.7	46	1.35	>10000	9.60	15.05	0.16	0.6	2.97	0.84	10.4	5.5	0.80	1640
V341745		21.4	8.0	13	7.61	>10000	8.94	11.45	0.11	0.7	22.5	2.71	9.8	6.2	0.30	743
V341746		21.3	10.9	11	8.28	8790	15.60	9.86	0.11	0.6	10.45	2.29	10.3	6.8	0.42	1050
V341747		48.9	15.8	10	10.05	1260	7.33	12.05	0.12	0.9	2.47	2.55	27.1	14.3	0.44	4030
V341748		44.3	30.1	9	18.60	553	5.96	13.45	0.12	1.0	1.245	2.71	23.1	21.8	0.66	2810
V341749		8.46	3.6	9	8.36	244	7.45	6.16	0.09	0.3	1.555	1.34	1.9	32.2	1.26	11150
V341750		43.8	7.0	11	8.84	991	7.75	13.60	0.12	0.8	1.910	2.74	24.3	11.9	0.55	730
V341751		19.05	10.3	14	4.63	1550	11.65	8.79	0.12	0.6	2.54	1.99	10.8	14.4	0.22	862
V341752		33.2	5.8	9	10.55	4910	14.15	9.46	0.12	0.5	30.9	1.25	24.0	10.6	1.36	2580
V341753		35.2	16.5	23	10.45	1230	9.45	13.10	0.12	0.8	1.480	2.72	18.0	14.1	0.69	2340
V341754		44.7	6.1	9	36.2	156.0	4.45	13.30	0.13	1.0	0.228	2.24	24.7	47.0	0.57	2930
V341755		46.3	6.3	8	34.6	169.0	4.57	13.35	0.13	1.0	0.237	2.26	25.6	49.8	0.57	3030
V341756		35.0	3.6	11	16.00	567	3.63	9.74	0.12	0.8	0.474	1.94	19.3	41.1	0.29	2140
V341757		26.8	4.8	17	9.25	73.0	4.12	12.00	0.11	0.7	0.361	2.03	13.9	35.1	0.35	3230
V341758		24.7	2.3	8	7.18	3160	12.10	12.70	0.12	0.6	13.90	1.91	13.3	10.5	0.13	302



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147672

Sample Description	Method Analyte Units LOR	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	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
V341723		3.07	0.05	5.1	3.6	480	7770	115.0	<0.002	5.27	228	5.6	2	11.0	148.0	0.36
V341724		5.57	0.07	6.7	2.3	620	2370	83.5	<0.002	1.21	1095	4.4	2	8.4	173.0	0.47
V341725		5.76	0.03	3.5	2.8	270	3220	80.0	<0.002	7.98	684	5.0	1	10.1	116.0	0.26
V341726		4.22	0.03	3.1	3.4	250	1710	96.6	<0.002	>10.0	148.5	5.3	2	12.4	54.6	0.26
V341727		6.96	0.02	1.3	1.7	90	>10000	36.1	<0.002	>10.0	186.0	2.3	4	30.8	33.7	0.10
V341728		9.28	0.02	2.4	1.6	200	>10000	71.6	<0.002	9.78	397	3.5	1	12.4	113.5	0.20
V341729		2.14	0.06	4.0	2.0	290	2390	102.5	<0.002	>10.0	139.0	5.5	2	9.0	47.9	0.30
V341730		0.15	<0.01	0.1	1.2	190	11.7	0.9	<0.002	0.03	0.89	0.2	1	<0.2	45.6	<0.05
V341731		9.70	0.03	7.0	1.3	380	1420	179.5	<0.002	0.54	40.0	9.7	1	4.6	54.7	0.54
V341732		9.98	0.03	7.1	1.3	380	1380	181.5	<0.002	0.53	40.0	9.9	1	4.4	54.4	0.55
V341733		18.20	0.01	1.9	1.2	110	>10000	57.9	<0.002	>10.0	536	2.6	2	10.4	18.2	0.15
V341734		10.70	0.02	5.4	1.8	470	452	138.0	<0.002	0.51	75.6	7.6	1	3.3	154.0	0.41
V341735		5.68	0.04	7.1	2.6	600	250	226	<0.002	0.69	16.35	10.3	1	2.7	73.7	0.56
V341736		4.46	0.02	5.8	1.5	350	6420	137.0	<0.002	5.74	586	6.4	1	9.9	38.2	0.45
V341737		6.46	<0.01	3.8	1.1	300	>10000	106.5	<0.002	9.90	268	4.7	2	6.7	107.0	0.32
V341738		0.08	<0.01	0.2	1.6	210	12.2	2.1	<0.002	0.01	0.41	0.2	1	<0.2	47.5	<0.05
V341739		8.41	0.03	6.4	1.9	520	692	198.0	<0.002	0.92	31.3	9.1	1	5.3	67.0	0.50
V341740		10.05	0.04	6.7	1.9	540	322	216	<0.002	1.12	29.8	9.0	1	2.5	41.1	0.50
V341741		51.7	0.02	2.6	1.4	210	2170	95.2	<0.002	7.46	128.5	3.9	1	5.7	26.9	0.22
V341742		2.34	0.03	6.4	2.1	460	4050	160.5	<0.002	4.95	76.1	8.0	<1	7.0	29.1	0.46
V341743		11.55	0.02	4.2	1.9	310	7880	116.5	<0.002	6.04	149.0	5.6	1	17.3	43.3	0.34
V341744		153.0	1.13	2.1	17.5	560	>10000	26.8	0.068	>10.0	184.5	10.5	9	18.3	222	0.15
V341745		4.00	0.02	5.2	2.3	400	1700	139.0	<0.002	9.89	285	6.2	1	8.2	11.3	0.43
V341746		1.42	0.02	4.0	1.8	350	>10000	110.0	<0.002	>10.0	208	5.0	1	15.0	31.3	0.34
V341747		8.90	0.03	5.2	2.4	450	6770	139.0	<0.002	7.17	57.9	6.2	1	9.1	152.5	0.41
V341748		1.51	0.03	5.5	3.4	510	1500	154.0	<0.002	5.92	49.0	8.1	1	6.1	106.5	0.43
V341749		17.05	0.02	2.6	2.0	220	2070	72.6	<0.002	5.49	157.0	3.8	<1	5.1	222	0.21
V341750		3.71	0.04	4.8	2.5	420	7350	163.0	0.004	8.20	101.0	7.2	2	12.6	29.8	0.39
V341751		6.17	0.02	3.9	1.5	260	1930	110.5	<0.002	>10.0	206	4.7	1	8.4	22.8	0.34
V341752		2.71	0.03	2.4	2.3	220	6070	65.7	<0.002	>10.0	147.0	3.4	1	24.3	69.2	0.19
V341753		15.75	0.06	4.6	13.4	460	1660	141.5	0.002	8.06	105.0	7.5	2	10.5	63.2	0.39
V341754		13.05	0.02	6.3	2.2	450	1010	116.5	<0.002	0.94	60.4	7.8	1	4.7	109.0	0.51
V341755		14.00	0.02	6.1	2.1	460	921	117.0	<0.002	0.96	64.1	7.9	1	4.5	113.0	0.51
V341756		16.95	0.02	4.6	1.4	340	>10000	94.1	<0.002	1.07	397	5.2	1	3.1	170.5	0.38
V341757		13.85	0.02	4.4	1.6	290	1110	104.0	<0.002	2.31	152.5	5.6	<1	11.4	58.3	0.34
V341758		3.26	0.02	3.6	0.9	210	7470	96.2	<0.002	9.09	342	4.9	1	17.7	27.2	0.31



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147672

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24	
		Te	Th	Ti	Ti	U	V	W	Y	Zn	Zr	Au
		ppm 0.05	ppm 0.01	% 0.005	ppm 0.02	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V341723		2.47	6.11	0.163	1.82	3.0	42	4.7	10.5	>10000	48.7	1.520
V341724		5.15	6.74	0.227	1.44	5.4	41	2.5	13.5	4100	57.8	0.766
V341725		0.37	5.31	0.112	1.11	3.8	36	4.3	8.5	2950	24.8	5.34
V341726		0.74	5.72	0.102	1.36	6.4	37	6.4	9.0	287	14.1	5.05
V341727		1.94	2.78	0.044	0.68	3.0	16	3.7	7.4	>10000	5.7	9.59
V341728		0.38	4.28	0.080	1.19	2.0	25	4.3	6.1	>10000	12.4	5.22
V341729		2.34	5.16	0.126	1.54	2.5	38	1.9	6.7	881	15.6	>10.0
V341730		<0.05	0.07	<0.005	<0.02	0.6	2	0.1	0.7	29	<0.5	0.005
V341731		<0.05	12.25	0.235	3.47	8.3	63	7.0	12.1	1150	34.1	0.802
V341732		<0.05	11.70	0.229	3.53	8.0	62	7.1	11.8	1100	28.4	0.727
V341733		0.11	2.78	0.061	1.11	1.7	18	2.0	4.7	>10000	8.4	>10.0
V341734		<0.05	9.70	0.181	2.42	7.4	54	5.6	9.0	2610	22.0	0.179
V341735		<0.05	13.50	0.233	3.70	5.1	70	4.1	12.7	2080	28.4	0.057
V341736		0.13	6.76	0.188	2.79	4.7	54	4.8	6.1	>10000	20.5	>10.0
V341737		0.11	4.27	0.135	2.10	3.8	37	2.8	6.5	>10000	15.5	>10.0
V341738		<0.05	0.14	<0.005	0.02	0.7	2	0.1	0.9	200	<0.5	<0.005
V341739		<0.05	13.00	0.217	3.45	5.5	61	4.4	11.0	1960	24.8	0.136
V341740		0.05	12.90	0.216	3.33	5.0	66	3.7	11.5	1960	26.3	0.069
V341741		0.35	3.77	0.097	1.39	6.2	32	3.5	6.7	>10000	12.6	>10.0
V341742		0.05	8.84	0.209	2.79	4.5	58	8.3	9.1	1740	23.6	5.28
V341743		0.08	5.61	0.138	1.93	2.1	38	5.7	7.4	1940	17.7	>10.0
V341744		0.51	1.79	0.180	7.39	2.0	120	8.1	12.5	>10000	12.8	>10.0
V341745		0.14	7.09	0.177	2.20	3.3	50	3.4	7.2	>10000	21.2	0.849
V341746		0.82	6.32	0.142	1.72	3.0	39	2.9	7.3	>10000	16.9	3.94
V341747		0.37	8.60	0.175	1.89	3.8	45	3.3	7.3	7280	30.0	1.545
V341748		0.44	9.88	0.199	2.35	9.4	56	4.3	12.0	>10000	30.8	1.575
V341749		0.08	2.65	0.091	1.35	2.5	27	2.0	7.1	3960	9.2	1.040
V341750		1.07	10.05	0.169	2.13	3.0	52	4.9	8.6	>10000	28.8	>10.0
V341751		0.51	5.12	0.127	1.62	2.8	36	2.5	7.8	10000	16.7	10.0
V341752		0.64	4.05	0.085	1.02	4.1	26	4.8	9.7	>10000	18.0	>10.0
V341753		0.77	9.01	0.173	2.09	5.2	56	7.1	9.5	3580	23.8	1.755
V341754		<0.05	11.40	0.205	2.45	8.9	55	7.2	11.8	2050	27.3	0.396
V341755		<0.05	11.75	0.209	2.47	9.4	56	7.2	12.0	2140	30.2	0.369
V341756		<0.05	9.74	0.153	2.11	8.8	42	6.0	8.2	2390	23.0	0.295
V341757		<0.05	7.74	0.148	2.11	6.1	41	6.6	6.6	1640	19.6	1.490
V341758		0.11	7.02	0.129	1.91	9.6	36	3.8	8.4	>10000	16.7	>10.0



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 27-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147672

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24
BAG-06	CRU-31	Cu-OG62
LOG-21d	LOG-23	ME-MS61
Pb-OG62	PUL-31	PUL-31d
SPL-21	SPL-21d	WEI-21

Au-GRA22
LOG-21
ME-OG62
PUL-QC
Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE WH17147674

Project: Klaza

P.O. No.: 17-051

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

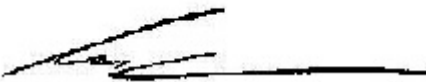
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
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Plus Appendix Pages
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17147674

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V341105		4.50	2.31	7.16	567	880	1.57	1.68	0.58	25.1	53.1	6.1	8	12.30	39.4	5.95
V341106		3.98	0.67	7.35	114.0	2370	1.56	0.16	1.32	15.70	49.1	6.9	8	18.65	29.5	3.53
V341107		4.24	1.68	8.03	144.0	2300	1.37	2.73	1.19	16.55	41.9	6.3	8	13.40	14.2	3.27
V341108		6.28	0.16	8.14	17.2	2420	1.32	0.22	1.26	4.31	50.2	5.7	8	13.20	13.0	2.94
V341109		6.22	0.13	6.80	8.9	1190	1.49	0.19	2.68	3.07	38.0	6.1	8	9.46	10.6	1.98
V341110		8.58	1.78	6.89	24.7	1150	1.56	1.11	3.87	12.80	70.8	17.3	7	12.40	21.2	3.43
V341111		4.48	0.19	7.99	15.1	2200	1.22	0.23	1.13	5.68	45.1	4.3	8	9.53	5.3	2.38
V341112		4.88	2.45	6.70	90.7	1950	1.44	0.42	2.05	41.1	54.9	6.7	8	11.35	40.7	3.02
V341113		0.34	9.32	6.39	1785	490	1.61	5.73	1.90	39.9	41.5	16.7	20	15.80	109.5	5.18
V341114		2.02	0.11	7.18	11.6	2800	1.73	0.13	2.26	5.48	50.4	5.3	8	9.40	3.7	2.90
V341115		12.24	1.61	7.11	16.0	2160	1.66	2.67	2.68	8.36	39.5	4.9	8	10.30	26.5	2.65
V341116		6.76	0.43	7.16	18.4	1750	1.62	0.31	2.27	6.80	38.5	4.5	9	9.54	12.2	2.61
V341117		3.32	0.43	7.14	16.7	1740	1.62	0.28	2.16	7.72	38.2	4.8	8	9.36	13.8	2.63
V341118		13.12	0.15	7.47	11.9	1980	1.64	0.15	2.81	2.73	45.5	3.9	9	11.00	5.4	2.72
V341119		12.54	0.62	7.05	21.1	1790	1.65	0.27	2.92	6.74	46.8	3.7	9	8.08	7.0	3.13
V341120		6.82	0.16	6.91	8.8	1910	1.60	0.19	3.50	1.27	52.3	5.1	9	10.40	3.4	2.95
V341121		2.88	1.90	4.88	53.2	810	0.93	1.04	9.39	24.8	134.0	19.4	4	4.84	8.2	6.16
V341122		6.02	0.02	0.09	<0.2	40	0.08	0.04	21.1	0.14	1.84	1.0	<1	0.32	2.2	0.49
V341123		13.42	0.19	6.95	6.6	1460	1.43	0.45	3.14	0.33	46.9	3.9	9	8.87	3.2	2.55
V341124		12.50	0.38	7.22	8.9	1580	1.53	0.39	3.26	1.18	52.4	5.3	9	9.55	79.3	2.84
V341125		12.62	0.47	7.07	8.2	1130	1.48	0.55	2.93	2.63	77.7	8.4	8	8.52	6.2	2.48
V341126		5.96	0.38	7.21	9.7	1580	1.75	0.49	2.56	1.00	45.0	14.6	9	15.15	8.0	2.74
V341127		6.60	1.88	6.90	35.9	1120	1.43	0.76	1.48	13.55	55.7	13.3	7	9.39	28.4	2.79
V341128		5.82	0.22	6.99	8.9	1240	1.71	0.25	2.75	0.25	66.4	5.4	7	8.99	23.7	2.38
V341129		<0.02	0.24	7.20	9.1	1310	1.80	0.26	2.86	0.24	67.2	6.1	8	9.09	22.3	2.45
V341130		9.18	1.06	6.84	186.5	1280	1.54	0.75	3.22	1.26	56.2	18.4	9	8.23	53.7	2.97
V341131		4.92	0.76	7.72	82.5	1180	1.95	1.14	1.90	1.74	62.3	16.8	9	9.95	10.4	3.49
V341132		6.02	0.02	0.06	<0.2	20	0.08	0.02	21.5	0.07	1.21	1.1	1	0.17	3.4	0.47
V341133		12.88	0.13	6.80	9.6	3300	1.30	0.35	2.33	0.55	45.5	10.3	8	17.80	13.6	2.47
V341134		6.58	0.70	7.15	16.6	1910	1.56	0.21	2.66	5.18	45.4	6.1	9	20.6	33.4	3.06
V341135		4.60	4.92	6.87	249	790	1.69	1.61	1.14	18.95	50.7	7.6	8	15.30	87.8	4.04
V341136		9.90	0.09	8.22	15.0	1340	1.39	0.10	0.89	0.23	51.8	7.2	11	18.85	9.3	2.59
V341137		7.70	0.11	7.07	7.0	2190	1.64	0.13	2.67	0.26	39.3	7.1	9	15.00	10.1	3.03
V341138		0.36	36.5	5.74	2450	890	1.20	33.7	1.69	43.7	32.8	16.3	22	9.38	1145	9.12
V341139		12.40	0.36	7.11	18.2	1780	1.42	0.97	1.98	0.21	40.8	7.2	10	20.1	46.0	2.73
V341140		2.28	8.15	5.46	479	290	1.25	6.33	2.62	63.8	35.6	9.1	9	13.95	173.5	3.91



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147674

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
		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
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V341105		16.65	0.14	1.0	0.309	3.45	29.9	7.6	0.60	1520	0.98	0.03	7.0	2.5	510
V341106		16.60	0.13	1.1	0.075	2.92	25.6	39.8	0.63	1260	0.76	0.05	8.0	2.7	610
V341107		18.05	0.13	1.2	0.105	3.16	21.3	26.8	0.44	863	1.26	0.09	8.4	2.5	630
V341108		17.55	0.12	1.2	0.046	2.74	26.3	33.7	0.40	614	0.95	0.09	8.7	2.2	660
V341109		16.95	0.13	1.1	0.033	2.13	19.0	33.5	0.77	679	3.96	0.05	8.1	2.4	610
V341110		16.15	0.15	0.9	0.063	2.04	40.1	36.1	1.10	1200	0.85	0.08	7.2	3.1	570
V341111		16.70	0.12	1.1	0.043	2.69	24.3	30.9	0.41	537	0.68	0.09	8.3	1.8	650
V341112		15.30	0.13	0.9	0.304	2.95	31.5	25.7	0.74	1250	1.55	0.05	6.1	2.5	550
V341113		14.80	0.14	1.3	0.889	2.84	21.3	24.1	0.69	1940	12.10	0.26	7.3	14.9	500
V341114		16.30	0.16	1.1	0.029	2.40	29.0	13.6	0.79	459	0.58	1.98	7.5	2.5	590
V341115		16.30	0.16	1.0	0.295	2.81	19.9	13.6	0.65	825	2.24	1.44	7.6	2.7	560
V341116		17.05	0.16	1.2	0.080	2.64	19.0	18.5	0.61	633	4.29	0.97	7.8	3.1	570
V341117		16.55	0.13	1.1	0.097	2.68	18.8	17.4	0.61	631	5.08	0.89	7.6	3.1	580
V341118		16.90	0.19	1.2	0.034	2.28	23.8	16.3	0.75	506	3.06	1.96	8.5	2.9	570
V341119		16.00	0.17	1.0	0.076	2.15	25.1	12.6	0.69	676	3.92	2.06	7.8	2.4	620
V341120		16.35	0.19	1.0	0.060	2.39	29.0	24.1	0.66	832	6.80	1.02	7.9	2.4	590
V341121		11.40	0.15	0.6	0.260	1.73	90.7	19.4	1.14	2340	1.82	0.06	4.3	5.3	360
V341122		0.33	0.07	<0.1	0.006	0.04	1.0	1.3	13.00	215	0.08	0.01	0.3	1.5	200
V341123		15.75	0.09	1.0	0.045	1.83	24.5	10.9	0.66	543	4.44	2.39	7.4	2.2	590
V341124		16.00	0.12	1.0	0.079	2.08	28.3	14.9	0.76	605	0.59	1.96	7.6	2.4	560
V341125		15.85	0.19	1.0	0.065	1.72	44.3	21.9	0.75	547	0.52	1.84	7.8	2.2	580
V341126		16.40	0.18	1.1	0.045	2.15	22.8	117.0	0.54	466	0.65	1.27	8.0	2.6	610
V341127		15.45	0.14	1.1	0.177	1.90	30.2	178.0	0.51	754	0.57	0.04	7.2	2.4	580
V341128		16.80	0.16	1.0	0.092	1.98	37.1	45.0	0.62	561	0.48	1.26	7.6	2.4	580
V341129		17.10	0.18	1.1	0.090	2.05	37.3	47.2	0.65	587	0.75	1.29	7.7	2.1	610
V341130		15.85	0.14	1.0	0.093	2.20	30.0	28.2	0.66	782	0.75	1.08	7.4	2.6	560
V341131		18.05	0.15	1.3	0.233	2.66	33.3	159.0	0.63	1020	0.61	0.17	8.0	2.7	620
V341132		0.30	0.10	<0.1	0.005	0.02	0.6	1.3	13.35	201	0.32	0.01	0.1	1.6	180
V341133		15.55	0.11	1.1	0.043	1.97	23.2	145.5	0.43	522	1.41	0.35	7.5	2.0	550
V341134		15.60	0.15	1.1	0.170	3.11	23.8	14.4	0.75	835	1.26	1.29	7.6	2.3	570
V341135		14.40	0.11	1.0	0.396	2.84	28.1	77.2	0.60	1140	7.74	0.04	6.7	2.6	520
V341136		17.50	0.15	1.3	0.040	1.25	27.5	393	0.37	704	1.23	0.03	8.4	2.3	700
V341137		16.35	0.15	1.2	0.053	2.76	19.8	38.9	0.69	558	1.04	1.86	8.0	2.4	580
V341138		13.20	0.12	0.8	1.490	2.62	17.8	16.0	0.69	2270	16.20	0.06	4.6	14.0	440
V341139		15.90	0.12	1.0	0.081	1.76	21.2	193.5	0.47	624	0.94	0.46	7.4	2.4	580
V341140		12.05	0.11	0.8	1.490	2.18	18.8	88.3	0.50	1060	5.46	0.02	5.5	2.3	410



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147674

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V341105		196.0	<0.002	2.71	10.15	10.2	1	6.1	20.1	0.57	<0.05	12.80	0.216	3.45	5.3	61
V341106		143.0	<0.002	0.37	20.9	11.0	1	2.9	85.1	0.61	<0.05	12.85	0.252	2.40	3.3	66
V341107		137.5	<0.002	0.35	17.65	11.3	1	2.5	77.0	0.67	<0.05	12.95	0.264	1.97	2.9	70
V341108		111.0	<0.002	0.17	14.40	11.7	1	2.6	79.8	0.67	<0.05	13.00	0.277	1.38	2.4	72
V341109		69.8	<0.002	0.26	12.10	9.8	1	2.9	116.0	0.63	<0.05	9.60	0.256	1.62	2.7	68
V341110		79.2	<0.002	1.54	11.05	10.3	1	3.5	142.5	0.54	0.12	11.00	0.227	1.58	3.2	64
V341111		111.5	<0.002	0.25	16.45	11.2	1	2.0	68.2	0.65	<0.05	13.05	0.262	1.26	2.3	68
V341112		145.0	<0.002	1.35	14.00	9.5	1	1.8	66.7	0.46	<0.05	10.70	0.197	2.46	4.5	61
V341113		149.5	<0.002	3.03	31.4	8.8	1	5.7	147.5	0.57	0.29	10.80	0.202	2.45	4.9	56
V341114		95.2	<0.002	0.09	3.71	10.2	1	1.9	294	0.58	<0.05	10.65	0.240	1.34	3.2	68
V341115		124.5	<0.002	0.27	4.94	10.3	1	2.3	222	0.61	<0.05	11.15	0.231	1.88	4.2	65
V341116		118.0	<0.002	0.28	9.28	10.2	1	2.6	145.0	0.64	<0.05	11.65	0.229	1.79	3.8	66
V341117		118.0	<0.002	0.27	8.70	9.8	1	2.8	135.0	0.61	<0.05	11.15	0.231	1.83	3.5	66
V341118		89.4	<0.002	0.08	7.01	10.6	1	2.1	271	0.70	<0.05	12.55	0.251	1.16	3.4	66
V341119		86.4	<0.002	0.39	3.79	10.3	1	2.8	262	0.58	<0.05	10.35	0.250	1.18	3.5	70
V341120		89.2	<0.002	0.29	6.21	10.0	1	2.6	193.5	0.60	<0.05	11.05	0.248	1.40	3.5	66
V341121		96.6	<0.002	5.30	7.79	7.2	2	3.0	103.0	0.35	0.23	8.36	0.140	1.43	4.4	51
V341122		2.2	<0.002	0.01	0.12	0.2	1	<0.2	49.0	<0.05	<0.05	0.16	<0.005	0.02	0.7	2
V341123		72.2	<0.002	0.57	2.90	9.3	1	2.8	294	0.58	0.07	10.95	0.244	1.02	4.3	64
V341124		83.6	<0.002	0.46	3.63	9.9	1	2.4	266	0.61	0.06	11.55	0.245	0.98	3.9	67
V341125		73.8	<0.002	0.79	3.60	9.4	2	2.6	210	0.60	0.14	12.55	0.240	1.01	3.4	64
V341126		78.1	<0.002	0.79	13.60	9.8	1	2.1	247	0.62	0.16	11.70	0.254	1.05	4.5	68
V341127		84.9	<0.002	0.99	36.5	9.4	1	2.6	133.0	0.58	0.17	12.25	0.222	1.37	5.9	66
V341128		79.0	<0.002	0.35	12.05	9.5	1	2.4	174.0	0.63	0.08	10.75	0.233	1.22	4.4	65
V341129		82.2	<0.002	0.40	12.10	9.6	1	2.4	180.5	0.63	<0.05	11.00	0.236	1.26	4.2	68
V341130		89.7	<0.002	1.07	13.80	9.4	1	2.6	178.0	0.59	0.14	11.05	0.228	1.47	4.5	62
V341131		131.5	<0.002	1.38	21.2	11.3	1	3.1	149.0	0.66	0.19	12.50	0.246	2.03	8.4	74
V341132		1.3	<0.002	<0.01	0.13	0.2	1	<0.2	48.2	<0.05	<0.05	0.10	<0.005	<0.02	0.7	2
V341133		74.3	<0.002	0.57	23.1	9.3	1	3.1	181.0	0.61	0.10	10.60	0.232	1.01	4.4	65
V341134		133.0	<0.002	0.26	9.57	10.0	1	2.1	239	0.61	<0.05	12.05	0.236	1.89	3.7	64
V341135		174.5	<0.002	2.41	53.1	9.6	<1	5.0	75.2	0.54	<0.05	12.45	0.212	2.59	7.5	60
V341136		69.3	<0.002	0.21	39.8	11.6	1	1.8	238	0.66	<0.05	13.60	0.271	0.92	3.6	67
V341137		94.1	<0.002	0.08	5.09	10.2	1	1.6	302	0.65	<0.05	11.00	0.248	1.14	3.8	66
V341138		146.5	0.003	7.81	100.5	8.3	2	10.2	61.0	0.38	0.60	8.09	0.163	2.07	5.0	55
V341139		75.6	<0.002	0.24	37.5	10.0	1	1.8	209	0.58	<0.05	10.55	0.239	1.04	2.8	63
V341140		137.0	<0.002	2.86	81.1	7.9	1	3.8	90.3	0.44	0.07	8.97	0.173	1.98	13.0	50



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
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CERTIFICATE OF ANALYSIS WH17147674

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V341105		7.8	9.2	1630	27.3	0.878
V341106		3.9	14.2	663	31.3	0.129
V341107		4.3	13.2	755	31.7	0.062
V341108		4.8	15.2	344	32.8	0.005
V341109		1.5	12.8	220	29.2	<0.005
V341110		1.9	17.3	901	25.7	0.031
V341111		3.5	13.2	239	30.1	<0.005
V341112		1.6	12.7	2490	23.3	0.038
V341113		4.9	10.7	2950	40.3	0.856
V341114		1.3	13.7	604	29.0	<0.005
V341115		2.2	12.9	934	30.0	0.005
V341116		2.2	13.8	728	31.4	<0.005
V341117		2.3	13.3	819	29.9	0.005
V341118		1.7	15.5	388	34.0	<0.005
V341119		1.7	13.6	662	27.3	0.009
V341120		2.3	14.2	229	28.4	<0.005
V341121		2.2	13.8	1870	15.6	0.043
V341122		0.1	0.9	25	0.6	<0.005
V341123		1.2	14.2	103	25.9	<0.005
V341124		1.7	15.9	160	28.5	<0.005
V341125		2.8	15.4	225	27.7	<0.005
V341126		2.1	14.6	181	32.1	<0.005
V341127		3.8	13.3	935	30.0	0.008
V341128		1.5	13.6	140	31.4	<0.005
V341129		1.5	12.8	139	31.5	<0.005
V341130		1.5	12.7	203	29.1	0.040
V341131		3.7	15.7	266	33.3	0.019
V341132		0.1	0.8	17	<0.5	<0.005
V341133		3.7	14.1	147	28.3	<0.005
V341134		2.1	14.8	519	29.1	0.011
V341135		4.6	12.5	1850	26.6	0.115
V341136		9.3	14.9	101	33.7	0.005
V341137		2.0	15.7	69	31.8	<0.005
V341138		7.0	9.3	3340	21.0	1.690
V341139		5.3	13.5	90	27.3	<0.005
V341140		3.8	14.7	5590	20.8	1.230



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To: ROCKHAVEN RESOURCES LTD.
C/O ARCHER, CATHRO AND ASSOCIATES
(1981) LIMITED
1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17147674

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Project: Klaza

P.O. No.: 17-058

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

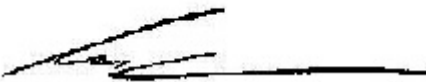
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND 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 WH17147678

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V340161		11.10		0.16	7.18	15.5	1790	1.67	0.14	2.36	0.30	41.5	6.7	12	20.0	16.8
V340162		8.12		0.42	7.08	32.0	1750	1.58	0.27	1.94	1.22	43.3	6.7	12	19.35	40.0
V340163		2.38		8.30	5.07	4210	270	1.21	1.38	2.54	122.0	20.9	4.2	8	7.87	77.8
V340164		4.12		2.58	6.24	330	740	1.68	1.77	1.91	10.25	43.4	8.2	11	14.65	38.7
V340165		5.60		0.64	7.14	78.1	1250	1.64	0.30	2.04	3.05	44.1	6.7	10	18.85	21.7
V340166		2.42		3.31	5.81	276	600	1.46	0.97	3.08	26.6	37.2	5.9	10	16.05	37.4
V340167		6.40		20.1	7.40	162.0	1450	1.54	24.0	1.89	20.6	65.1	7.8	14	14.55	493
V340168		2.40		8.03	7.49	114.0	1880	1.63	8.23	1.89	19.10	69.8	7.6	13	14.05	233
V340169		6.68		1.22	6.89	277	2440	1.48	0.37	2.39	8.24	39.6	7.9	13	16.05	38.3
V340170		7.88		0.86	7.28	57.4	2230	1.95	0.48	2.24	2.43	47.6	9.9	9	26.1	27.9
V340171		0.34		4.70	6.78	722	740	1.23	3.25	2.09	10.30	52.1	12.1	25	14.45	311
V340172		6.70		4.36	7.00	106.5	890	1.57	2.12	2.12	35.6	45.3	12.7	11	15.25	102.0
V340173		9.58		0.37	6.76	24.2	2200	1.56	0.42	2.51	1.62	38.4	10.5	11	16.90	14.0
V340174		5.58		11.75	6.89	460	540	1.39	7.20	2.20	17.85	105.5	37.3	9	16.10	578
V340175		6.08		0.04	0.09	0.7	300	<0.05	0.04	20.8	0.09	1.59	0.9	1	0.27	3.4
V340176		9.46		0.21	6.96	46.6	2100	1.82	0.18	1.65	0.30	69.6	7.1	22	22.9	17.0
V340177		3.44		4.77	5.78	181.0	1220	1.44	1.15	2.01	12.90	41.7	7.7	10	17.95	49.1
V340178		4.78		3.27	6.74	260	1340	1.46	1.13	1.95	9.59	58.9	7.7	12	14.55	28.5
V340179		0.34		9.12	6.43	1745	1420	1.50	5.70	1.85	40.4	45.3	16.4	21	16.75	106.0
V340180		6.18		2.02	6.49	126.5	860	1.30	0.88	1.81	5.50	45.0	10.8	10	16.55	72.9
V340181		6.78		0.67	7.43	46.1	2400	1.49	0.65	1.68	4.21	52.4	6.0	11	15.45	33.9
V340182		7.78		0.47	6.59	28.9	2460	1.62	0.17	2.42	0.17	37.2	5.4	11	22.3	22.5
V340183		8.00		0.09	6.54	27.0	1350	1.78	0.18	3.46	0.09	44.7	6.6	10	30.1	8.0
V340184		7.36		0.04	6.77	14.4	1670	2.38	0.18	3.36	0.06	39.5	7.0	9	31.9	7.5
V340185		10.44		0.17	7.06	27.0	2340	1.99	0.28	2.68	0.16	39.3	6.4	12	15.75	16.4
V340186		<0.02		0.18	6.97	27.2	2380	1.87	0.29	2.60	0.17	37.5	6.2	12	15.35	19.2
V340187		8.54		0.44	6.79	30.3	2100	1.94	0.30	2.32	1.51	39.9	7.1	16	16.90	27.7
V340188		13.48		0.23	6.88	23.7	2500	1.90	0.26	2.24	0.61	39.1	7.1	12	14.60	21.6
V340189		4.88		0.70	6.84	50.0	2310	2.11	0.48	2.53	1.79	36.5	9.4	13	15.80	47.0
V340190		3.38	3.74	14.85	5.75	437	730	1.78	11.40	2.12	547	32.6	10.2	9	14.05	518
V340191		6.00		0.03	0.15	0.3	100	0.09	0.03	19.95	0.75	1.31	1.0	1	0.32	2.9
V340192		3.68		0.43	6.77	52.2	1730	1.82	0.27	2.51	1.27	35.7	7.8	10	16.10	20.9
V340193		2.00		5.32	6.96	175.5	1110	2.17	5.01	2.25	32.9	48.0	9.1	9	20.9	143.5
V340194		8.70		0.21	6.48	26.1	1270	2.36	0.46	3.19	0.63	36.7	6.8	9	28.4	9.7
V340195		3.82		0.53	7.96	38.8	1360	2.31	0.69	1.84	1.94	48.7	8.0	9	20.5	43.8
V340196		7.76		42.2	6.95	400	540	1.90	75.2	0.95	26.5	45.4	8.5	12	11.50	79.6



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Page: 2 - B
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17147678

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
V340161		3.03	16.55	0.11	1.2	0.050	2.48	19.5	98.5	0.63	711	1.72	1.39	8.6	2.5	650
V340162		2.96	15.70	0.14	1.1	0.142	2.85	20.8	159.0	0.54	1080	1.77	0.08	8.0	2.4	620
V340163		5.68	11.70	0.11	0.7	1.265	2.33	6.2	22.7	1.03	4200	5.82	0.02	5.1	1.8	370
V340164		4.52	14.05	0.10	0.8	0.220	2.87	22.5	27.8	0.53	1750	11.90	0.02	6.3	2.2	480
V340165		3.06	15.55	0.12	1.1	0.082	1.98	21.5	212	0.66	1640	2.14	0.02	7.9	2.3	630
V340166		3.91	14.15	0.10	1.0	0.225	2.87	18.0	30.4	0.44	1160	2.59	0.03	7.0	2.4	510
V340167		4.19	15.85	0.12	0.9	0.517	3.23	37.9	51.6	0.81	1620	2.66	0.05	7.6	2.1	560
V340168		4.10	16.00	0.14	0.9	0.462	3.35	41.0	45.3	0.83	1750	1.92	0.05	7.9	1.9	570
V340169		3.02	15.00	0.12	1.0	0.078	2.78	19.4	130.0	0.65	937	2.88	0.09	7.4	2.3	570
V340170		3.24	16.15	0.14	1.1	0.067	3.18	23.8	69.6	0.84	1280	1.40	0.10	8.0	2.3	570
V340171		5.03	14.95	0.14	1.1	0.296	2.95	28.4	27.2	0.79	1890	13.55	0.15	6.3	14.6	520
V340172		4.01	14.50	0.12	1.1	0.954	2.93	23.2	53.9	0.77	1520	1.94	0.04	6.8	2.6	520
V340173		3.02	15.10	0.11	1.1	0.057	3.07	18.7	123.0	0.70	774	1.39	0.23	7.5	2.1	580
V340174		4.09	15.35	0.16	1.0	1.205	3.16	56.9	25.0	0.72	1950	1.17	0.04	6.9	2.8	550
V340175		0.48	0.26	0.07	<0.1	0.005	0.04	0.8	1.4	12.85	211	0.10	<0.01	0.2	1.5	170
V340176		2.52	17.25	0.14	4.1	0.037	2.24	34.5	276	0.86	687	0.63	0.04	10.3	7.2	1160
V340177		3.05	12.45	0.10	1.1	0.305	2.41	20.7	35.0	0.71	3280	4.60	0.03	6.3	2.6	460
V340178		3.27	14.60	0.11	1.0	0.217	3.12	31.4	18.8	0.78	2220	9.04	0.04	6.3	2.6	510
V340179		5.05	14.60	0.10	1.2	0.900	2.79	22.7	25.6	0.69	1930	12.10	0.26	7.6	15.4	490
V340180		3.88	14.15	0.12	0.9	0.161	2.92	23.1	21.8	0.74	1600	4.30	0.03	6.0	2.8	510
V340181		3.17	15.75	0.13	1.2	0.135	2.99	26.8	36.7	0.68	830	1.90	0.11	7.6	2.3	590
V340182		2.88	15.45	0.11	1.1	0.042	2.82	17.4	42.5	0.60	664	2.54	1.28	8.1	2.3	590
V340183		2.45	17.70	0.13	3.5	0.035	3.07	20.8	68.7	0.90	551	0.67	0.20	10.2	4.3	750
V340184		2.57	19.85	0.13	3.7	0.033	3.30	19.2	56.8	0.85	542	0.68	0.75	11.2	4.0	770
V340185		3.00	17.90	0.12	1.2	0.040	2.78	19.8	53.1	0.67	641	3.07	1.32	8.9	1.8	630
V340186		2.92	17.30	0.11	1.1	0.041	2.76	18.6	59.9	0.66	644	2.87	1.16	8.4	1.6	610
V340187		2.94	16.60	0.12	1.1	0.058	2.77	20.1	181.0	0.66	824	3.53	0.29	8.5	1.7	570
V340188		2.91	17.05	0.13	1.1	0.059	2.69	19.7	57.1	0.64	755	3.93	1.29	8.1	1.6	570
V340189		3.43	17.35	0.13	1.1	0.064	2.88	17.7	45.7	0.71	1110	2.31	1.58	8.5	1.8	580
V340190		5.38	14.05	0.09	1.1	15.90	2.64	16.7	25.9	0.74	2830	2.97	0.03	6.5	2.2	470
V340191		0.50	0.48	0.23	<0.1	0.024	0.04	0.6	1.6	12.40	217	0.09	0.02	0.3	<0.2	180
V340192		2.88	17.30	0.12	1.1	0.075	3.07	17.9	94.1	0.57	1070	3.56	0.17	8.4	1.3	600
V340193		3.79	15.90	0.11	1.3	1.070	3.30	26.1	38.0	0.80	1460	3.65	0.06	7.7	2.0	550
V340194		2.61	18.80	0.13	3.5	0.046	3.04	17.7	92.4	0.89	654	0.83	0.60	10.5	3.3	750
V340195		3.19	18.55	0.13	1.3	0.097	3.07	25.1	207	0.76	1180	3.33	0.09	9.1	2.1	640
V340196		5.04	16.05	0.11	1.0	0.518	2.97	24.7	53.5	0.51	1240	8.05	0.03	6.9	2.2	530



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CERTIFICATE OF ANALYSIS WH17147678

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V340161		21.1	94.0	<0.002	0.15	17.15	10.2	1	1.9	285	0.64	<0.05	9.85	0.288	1.18	3.5
V340162		55.5	117.0	<0.002	0.36	38.2	9.6	1	1.9	125.5	0.64	<0.05	10.70	0.261	1.92	4.1
V340163		1610	155.0	<0.002	4.63	67.2	6.9	1	7.3	148.0	0.38	<0.05	6.02	0.161	2.28	3.9
V340164		541	161.0	<0.002	2.58	49.2	8.5	1	4.4	52.5	0.47	<0.05	9.53	0.210	2.77	5.2
V340165		221	82.8	<0.002	0.64	29.4	10.1	1	2.1	146.5	0.59	<0.05	10.85	0.263	2.07	4.1
V340166		685	142.0	<0.002	3.33	21.6	8.4	1	3.3	88.4	0.55	<0.05	8.99	0.221	2.65	5.0
V340167		1730	196.0	<0.002	1.34	65.4	10.0	1	3.3	78.5	0.59	0.15	13.25	0.243	2.56	5.5
V340168		994	211	<0.002	1.14	34.6	10.1	1	3.4	76.1	0.61	0.08	13.85	0.254	2.68	4.8
V340169		279	109.0	<0.002	0.65	23.9	9.0	1	2.4	131.0	0.56	<0.05	9.64	0.247	1.89	3.5
V340170		157.0	144.0	<0.002	0.95	8.62	9.7	1	3.3	172.5	0.63	0.06	12.95	0.247	2.39	3.9
V340171		492	170.5	0.004	2.69	27.3	9.1	1	5.4	109.5	0.53	0.28	12.00	0.212	2.36	5.3
V340172		1700	166.0	<0.002	2.61	10.25	9.5	1	3.7	123.5	0.57	0.11	12.50	0.220	2.34	5.8
V340173		173.5	120.5	<0.002	1.22	5.17	8.9	1	1.5	236	0.61	0.10	10.20	0.244	1.96	3.6
V340174		506	190.5	<0.002	3.34	30.4	10.0	1	3.6	106.0	0.54	0.42	12.15	0.228	2.92	4.8
V340175		2.8	2.0	<0.002	0.01	0.16	0.2	1	<0.2	54.0	<0.05	<0.05	0.14	<0.005	0.03	0.9
V340176		17.2	89.1	<0.002	0.10	27.0	6.0	1	2.2	457	0.65	<0.05	8.46	0.331	1.14	5.1
V340177		454	144.5	<0.002	2.29	31.6	7.9	1	3.0	123.0	0.50	<0.05	9.45	0.199	2.65	4.6
V340178		535	206	<0.002	1.99	18.25	9.3	1	2.3	90.9	0.50	0.09	12.45	0.210	2.88	4.7
V340179		1320	161.5	<0.002	3.03	32.1	8.4	1	5.5	146.5	0.59	0.28	11.70	0.203	2.30	5.0
V340180		198.5	190.0	<0.002	2.71	32.4	9.5	1	1.9	92.7	0.49	0.18	11.40	0.200	2.45	4.5
V340181		63.7	160.5	<0.002	0.73	14.50	10.1	1	2.2	112.0	0.61	<0.05	13.30	0.248	1.98	3.8
V340182		22.0	109.5	<0.002	0.17	9.14	9.7	1	2.3	308	0.65	<0.05	9.39	0.257	1.57	3.2
V340183		18.2	97.2	<0.002	0.04	13.80	7.0	1	1.4	448	0.75	<0.05	7.43	0.296	1.81	4.7
V340184		17.2	104.0	<0.002	0.03	14.90	7.7	1	1.5	421	0.74	<0.05	7.59	0.309	2.01	4.6
V340185		22.1	97.0	<0.002	0.22	7.73	11.2	1	2.0	303	0.61	<0.05	10.90	0.271	1.32	3.0
V340186		21.1	94.7	<0.002	0.23	9.60	10.8	1	2.0	283	0.58	<0.05	10.60	0.264	1.30	2.9
V340187		81.4	103.0	<0.002	0.51	19.85	10.8	1	2.1	173.0	0.60	0.06	11.25	0.256	1.68	3.8
V340188		42.3	105.0	<0.002	0.43	10.80	10.7	1	2.2	273	0.58	0.05	10.55	0.247	1.38	3.5
V340189		118.5	114.0	<0.002	0.46	5.98	11.0	1	2.1	331	0.60	<0.05	10.45	0.256	1.69	3.8
V340190		1080	150.5	<0.002	5.40	26.5	8.8	2	3.8	139.5	0.46	0.12	8.61	0.198	2.62	5.4
V340191		2.8	1.9	<0.002	0.02	0.13	0.3	1	<0.2	49.1	<0.05	<0.05	0.14	0.007	0.02	0.7
V340192		47.5	115.0	<0.002	0.61	8.99	10.7	1	1.9	180.5	0.61	<0.05	10.65	0.260	2.08	3.1
V340193		624	182.5	<0.002	1.87	19.15	10.1	1	3.0	212	0.56	0.08	11.95	0.235	2.73	4.0
V340194		26.9	90.8	<0.002	0.05	17.20	7.3	1	1.7	434	0.71	<0.05	7.08	0.303	1.95	4.2
V340195		66.9	127.0	<0.002	0.42	17.30	12.1	1	3.5	168.0	0.66	<0.05	13.20	0.279	2.23	4.2
V340196		2790	176.0	<0.002	4.20	21.9	11.0	1	5.8	58.0	0.49	0.45	12.80	0.225	2.52	4.4



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 22-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147678

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	Au-AA24 Au ppm 0.005
V340161		76	4.2	16.4	69	36.2	0.032
V340162		69	3.2	14.5	213	34.4	0.007
V340163		44	4.7	8.6	7790	20.7	2.44
V340164		60	5.5	9.5	848	24.6	0.392
V340165		70	6.1	14.1	304	33.9	0.015
V340166		62	4.1	11.8	1970	31.2	0.094
V340167		68	3.3	12.6	1910	26.2	0.123
V340168		68	3.7	12.7	1780	26.9	0.056
V340169		66	4.5	13.1	714	29.2	0.149
V340170		65	2.8	13.2	229	36.6	0.032
V340171		65	5.3	11.9	883	33.7	0.357
V340172		62	2.9	13.2	4150	34.2	0.137
V340173		64	2.1	11.6	212	34.1	0.008
V340174		64	3.7	13.2	1720	32.7	0.931
V340175		2	0.1	0.8	20	0.5	<0.005
V340176		62	2.8	11.9	90	177.5	0.007
V340177		53	5.4	10.2	1060	34.9	0.194
V340178		60	5.1	11.7	820	30.3	0.106
V340179		55	4.9	11.1	2960	42.8	0.747
V340180		61	3.0	13.4	506	30.1	0.087
V340181		68	2.5	15.5	393	38.1	0.040
V340182		69	2.5	14.0	51	33.0	0.008
V340183		69	3.0	13.8	58	137.0	<0.005
V340184		70	2.0	13.1	58	142.0	<0.005
V340185		69	2.2	15.4	54	34.4	<0.005
V340186		69	2.1	14.8	54	32.8	<0.005
V340187		66	3.3	14.2	165	30.9	0.011
V340188		64	3.1	14.6	96	31.1	0.008
V340189		66	3.4	13.8	190	31.5	0.018
V340190		51	4.0	11.2	>10000	37.1	1.210
V340191		3	0.1	0.9	95	0.8	<0.005
V340192		68	3.7	15.5	138	31.5	0.031
V340193		61	4.0	13.7	2380	41.5	0.466
V340194		69	1.5	12.5	108	135.0	0.008
V340195		73	4.3	16.7	170	38.9	0.011
V340196		63	4.8	11.3	2280	29.0	0.249



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17147678

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
ME-OG62	PUL-31	PUL-31d
SPL-21	SPL-21d	WEI-21

CRU-QC
ME-MS61
PUL-QC
Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

CERTIFICATE WH17147679

Project: Klaza

P.O. No.: 17-054

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147679

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V340089		13.14	0.70	7.47	47.3	1950	1.26	0.88	3.04	2.52	53.2	6.6	17	23.5	20.9	3.10
V340090		9.82	0.90	6.75	118.5	2110	1.35	0.54	4.37	1.52	47.9	7.6	12	20.8	40.9	3.27
V340091		4.24	0.47	6.78	27.5	1810	1.56	0.61	2.51	0.42	40.7	6.8	16	22.0	49.2	2.61
V340092		8.80	0.41	6.34	33.9	1760	1.39	4.04	2.39	0.48	48.7	14.3	11	16.55	71.8	3.00
V340093		4.76	0.77	5.68	342	380	0.96	28.4	1.45	1.10	42.1	422	12	8.19	46.5	14.65
V340094		<0.02	0.76	5.47	356	130	0.93	31.1	1.41	1.01	36.8	421	11	8.16	48.0	14.70
V340095		5.42	0.25	7.93	18.5	2210	1.40	1.83	1.47	0.16	55.0	21.7	15	11.80	26.0	3.07
V340096		2.84	1.69	6.88	197.0	1030	1.44	52.0	3.68	3.07	51.4	8.8	13	18.10	1005	4.01
V340097		4.80	0.21	7.63	28.0	2050	1.50	1.96	2.44	0.24	49.6	6.2	16	20.4	53.7	3.14
V340098		11.30	0.44	7.21	22.1	2280	1.45	0.68	2.39	3.34	42.5	7.6	12	15.20	24.3	3.22
V340099		2.72	6.61	4.54	251	280	1.08	6.82	1.88	16.55	28.3	8.3	8	15.90	137.5	4.31
V340100		6.06	0.02	0.12	<0.2	40	0.08	0.05	20.6	0.07	1.32	0.6	1	0.17	2.0	0.49
V340101		7.78	1.31	6.43	84.0	1570	1.46	3.99	2.68	0.90	45.1	6.5	14	21.0	63.0	3.13
V340102		4.70	0.20	8.07	13.1	1930	1.33	1.37	1.71	0.17	53.4	6.9	15	13.55	29.0	3.18
V340103		4.56	2.96	7.97	207	420	1.44	3.09	1.36	3.25	47.9	7.0	14	13.55	78.0	4.39
V340104		0.34	12.45	6.83	1500	330	1.45	12.75	1.94	33.6	47.4	18.3	19	14.10	300	6.83
V340105		2.44	5.76	6.04	416	220	1.12	5.53	2.07	22.4	38.8	14.5	13	9.48	138.5	5.16
V340106		7.30	0.49	7.01	33.4	1300	2.05	0.52	3.13	6.22	60.0	8.9	18	24.9	18.9	2.67
V340107		2.90	31.0	6.14	287	360	1.52	39.8	3.92	13.05	47.0	7.2	11	21.6	571	4.20
V340108		4.80	0.38	5.88	39.1	1870	1.59	0.27	2.64	1.15	55.1	4.6	12	17.95	11.6	2.18
V340109		3.74	2.02	5.61	177.0	1280	1.42	1.00	2.60	12.65	41.9	7.1	8	21.3	47.0	2.91
V340110		5.94	0.01	0.07	<0.2	30	0.06	0.07	20.8	0.07	1.28	0.7	2	0.17	2.9	0.46
V340111		8.74	1.84	6.86	113.0	1370	1.35	6.09	1.62	4.93	47.4	5.8	12	11.30	144.5	3.52
V340112		4.88	0.16	7.55	7.9	2150	1.20	1.27	2.79	0.14	46.2	6.4	20	10.10	22.1	2.88
V340113		0.34	4.84	6.46	654	350	1.39	3.58	1.97	10.90	49.7	12.6	25	13.90	304	4.83
V340114		3.00	60.2	6.65	3320	270	1.45	81.8	0.91	3.05	43.4	10.6	12	13.10	1795	7.33
V340115		4.78	1.03	7.53	35.3	1820	1.63	1.84	2.13	1.29	49.3	7.7	14	12.40	60.8	3.49
V340116		4.98	0.57	7.33	32.4	2400	1.41	1.66	2.07	0.75	52.2	10.5	13	12.90	51.6	3.39
V340117		2.34	51.2	6.21	2890	330	1.27	87.2	0.35	4.63	49.3	16.0	12	8.04	1155	8.46
V340118		11.64	6.68	6.79	287	550	1.41	3.58	1.08	2.78	47.4	13.8	16	13.70	733	4.99
V340119		3.72	4.37	7.48	237	640	1.59	3.20	1.26	3.20	47.4	12.5	16	14.90	336	4.92
V340120		7.24	4.92	7.31	118.0	790	1.47	9.42	1.67	1.71	51.4	10.1	17	13.95	86.6	4.12
V340121		2.70	8.89	6.59	237	260	1.30	14.55	0.68	0.58	56.2	11.6	14	9.75	295	5.18
V340122		11.32	0.40	7.40	23.7	1410	1.49	1.21	2.42	0.49	47.6	8.1	13	16.60	35.7	3.36
V340123		13.60	0.84	7.61	33.4	1830	1.41	2.00	2.24	1.00	48.3	9.5	17	14.80	48.7	3.22
V340124		8.58	52.3	6.42	196.0	870	1.53	116.0	2.31	6.88	49.5	15.4	15	16.05	382	3.54



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147679

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
		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
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V340089		15.30	0.13	1.1	0.104	2.88	29.5	26.5	1.07	1080	6.31	0.06	7.6	2.7	640
V340090		13.30	0.11	1.0	0.114	2.81	26.5	13.7	1.67	1840	19.40	0.04	6.8	2.8	570
V340091		15.25	0.12	1.1	0.092	2.93	20.6	45.2	0.69	724	19.90	0.52	8.1	2.6	610
V340092		15.50	0.27	1.2	0.144	2.89	26.3	17.8	0.76	481	2.61	0.79	7.4	2.4	570
V340093		11.55	0.15	0.8	0.188	2.94	23.4	6.8	0.60	381	7.49	0.39	4.3	6.7	450
V340094		11.55	0.14	0.8	0.182	2.87	19.4	6.6	0.58	367	7.71	0.37	4.3	6.9	450
V340095		16.15	0.16	1.3	0.185	3.21	30.1	23.7	0.57	438	3.75	0.85	8.6	2.7	640
V340096		15.60	0.21	1.2	0.315	3.10	28.2	16.1	1.13	1000	16.95	0.10	6.9	2.5	590
V340097		16.45	0.30	1.2	0.162	3.31	26.8	24.3	0.79	562	1.18	0.27	7.8	2.3	640
V340098		16.90	0.30	1.2	0.088	2.74	21.0	19.5	0.70	813	2.07	1.41	8.3	2.5	660
V340099		10.25	0.15	0.7	0.318	2.05	15.5	28.2	0.71	2590	9.26	0.03	4.3	2.5	360
V340100		0.20	0.18	<0.1	0.006	0.05	0.6	1.4	12.50	207	0.15	0.01	0.2	1.3	190
V340101		15.65	0.19	1.2	0.167	2.92	22.5	23.3	0.86	1460	18.55	0.14	7.7	2.2	570
V340102		15.95	0.19	1.2	0.160	3.11	27.7	23.1	0.61	602	15.85	0.60	9.0	2.9	650
V340103		17.95	0.22	1.3	0.218	3.35	25.2	21.7	0.57	817	1.17	0.11	7.5	2.3	640
V340104		15.65	0.19	1.1	0.796	3.05	25.4	18.6	0.79	1920	8.60	0.13	6.6	11.8	550
V340105		17.25	0.16	1.0	0.812	2.94	21.3	8.2	1.05	1480	1.34	0.03	5.6	2.7	500
V340106		19.15	0.24	3.7	0.201	2.78	30.3	33.9	1.00	834	1.57	0.05	10.7	6.4	1080
V340107		15.45	0.17	2.2	0.856	2.24	25.0	34.8	1.50	2990	4.32	0.04	7.8	3.7	790
V340108		14.70	0.25	2.6	0.047	1.90	29.5	58.1	0.80	759	1.01	0.06	7.7	3.0	790
V340109		13.05	0.22	1.2	0.144	2.24	23.1	32.4	0.91	1300	1.91	0.06	6.2	2.3	450
V340110		0.20	0.20	<0.1	0.005	0.02	0.6	1.2	12.85	206	0.10	0.01	0.2	1.4	280
V340111		14.70	0.18	1.4	0.175	2.52	25.0	44.6	0.67	660	2.17	0.04	6.6	2.0	600
V340112		14.05	0.19	1.0	0.061	2.74	23.1	9.8	0.81	564	2.03	2.23	8.0	2.4	620
V340113		15.75	0.21	1.1	0.300	2.88	28.2	25.0	0.74	1840	14.65	0.14	6.4	13.9	510
V340114		14.70	0.16	0.9	1.005	2.93	22.8	13.2	0.58	858	7.75	0.10	6.3	2.3	510
V340115		16.35	0.22	1.2	0.091	3.11	25.7	16.5	0.74	837	2.18	1.45	8.2	2.3	570
V340116		16.45	0.25	1.1	0.109	2.93	28.1	20.4	0.74	576	13.95	0.81	8.0	2.4	600
V340117		15.90	0.19	0.9	0.807	2.99	26.1	8.4	0.34	1230	9.74	0.04	5.8	2.6	450
V340118		15.65	0.19	1.0	0.429	3.24	26.2	8.4	0.69	1120	15.85	0.04	6.1	2.4	530
V340119		16.95	0.19	1.0	0.304	3.61	26.2	8.2	0.77	1220	27.8	0.05	6.5	2.7	590
V340120		16.05	0.18	1.0	0.259	2.85	27.7	44.8	0.82	986	6.46	0.04	7.2	2.3	610
V340121		16.10	0.21	1.1	0.327	3.25	30.6	10.3	0.53	535	1.99	0.03	6.2	2.6	490
V340122		16.75	0.25	1.2	0.141	2.65	24.5	54.4	0.82	935	1.79	0.28	8.3	2.4	630
V340123		16.75	0.28	1.2	0.136	2.96	25.2	31.6	0.76	553	3.49	0.28	8.2	2.6	640
V340124		16.10	0.22	1.0	0.266	2.69	26.3	29.0	0.81	1500	4.85	0.05	7.1	2.2	550



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17147679

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V340089		136.0	<0.002	0.72	9.16	11.0	1	2.1	126.5	0.55	0.10	12.60	0.254	1.84	4.9
V340090		140.5	0.003	1.20	19.95	10.2	1	2.5	111.5	0.52	0.13	12.40	0.230	2.20	6.6
V340091		108.5	0.002	0.30	12.95	11.1	1	1.8	186.0	0.62	0.06	12.55	0.251	1.86	4.5
V340092		114.5	0.002	0.89	13.70	9.6	2	3.4	188.0	0.63	0.84	11.80	0.227	1.96	5.0
V340093		143.0	<0.002	>10.0	2.95	6.8	8	6.3	98.4	0.34	13.85	8.77	0.149	1.92	3.1
V340094		139.5	<0.002	>10.0	3.13	6.9	8	6.6	93.2	0.36	16.20	8.00	0.147	1.94	3.2
V340095		138.0	<0.002	0.69	6.77	10.8	1	2.5	170.5	0.70	0.52	14.70	0.266	1.83	4.1
V340096		151.5	<0.002	2.35	67.7	9.6	2	6.1	121.0	0.56	0.76	12.70	0.220	2.25	4.7
V340097		142.5	<0.002	0.75	7.85	10.6	1	4.8	138.0	0.66	0.20	13.70	0.258	2.11	4.3
V340098		99.1	<0.002	0.32	5.40	10.6	1	3.0	279	0.66	<0.05	11.65	0.265	1.50	4.0
V340099		121.0	0.005	3.76	48.8	6.1	<1	5.5	46.8	0.37	0.21	7.81	0.141	1.84	6.8
V340100		1.5	<0.002	0.01	0.18	0.2	<1	<0.2	45.5	<0.05	<0.05	0.15	0.005	0.02	0.6
V340101		117.0	0.003	1.00	13.05	9.6	1	4.5	113.5	0.64	0.15	10.95	0.230	2.61	5.6
V340102		129.5	0.002	0.31	5.79	10.8	1	3.3	148.0	0.73	<0.05	14.50	0.272	1.79	3.6
V340103		161.0	<0.002	2.72	11.00	11.4	1	7.0	70.9	0.58	0.12	12.95	0.252	2.36	4.8
V340104		177.5	<0.002	4.76	63.9	9.4	1	8.2	99.8	0.54	1.18	11.70	0.213	2.70	5.3
V340105		202	0.002	4.86	15.90	9.2	2	8.7	43.1	0.45	0.37	9.44	0.175	2.69	2.1
V340106		123.0	<0.002	0.11	13.25	7.1	1	1.5	151.5	0.76	<0.05	9.38	0.293	2.43	4.6
V340107		121.0	<0.002	2.18	128.0	6.0	1	4.5	133.5	0.55	0.11	7.88	0.239	1.97	5.0
V340108		84.8	<0.002	0.23	14.95	5.0	1	2.0	307	0.51	<0.05	7.77	0.258	1.28	5.6
V340109		139.0	<0.002	1.25	18.35	7.7	1	4.1	118.5	0.57	0.10	10.80	0.177	1.96	6.1
V340110		1.2	<0.002	<0.01	0.12	0.1	<1	<0.2	45.9	<0.05	<0.05	0.10	<0.005	0.02	0.6
V340111		141.5	<0.002	1.60	45.3	9.5	1	3.2	94.1	0.56	0.10	12.45	0.225	2.21	4.8
V340112		94.2	<0.002	0.07	1.50	9.2	1	1.8	381	0.60	0.18	13.30	0.259	1.10	3.9
V340113		167.0	0.003	2.54	29.5	9.4	1	5.7	109.0	0.52	0.38	11.95	0.192	2.65	5.2
V340114		174.5	<0.002	5.74	256	9.3	1	8.8	44.1	0.51	0.45	11.40	0.200	2.23	4.1
V340115		125.5	<0.002	0.55	6.10	9.9	1	3.1	256	0.69	0.22	15.50	0.235	1.67	5.0
V340116		135.5	0.002	1.13	5.42	10.4	1	3.9	212	0.64	0.19	15.35	0.237	1.79	5.3
V340117		204	<0.002	8.36	82.5	9.3	2	9.1	18.6	0.45	1.04	12.90	0.175	2.69	4.0
V340118		205	0.002	3.59	27.0	9.4	1	8.0	37.1	0.51	0.39	13.30	0.192	2.88	4.0
V340119		222	0.002	3.25	17.65	9.8	1	9.2	40.9	0.51	0.26	13.55	0.206	3.05	4.8
V340120		158.0	<0.002	1.84	28.5	10.4	1	5.5	77.4	0.60	0.21	12.85	0.231	2.34	5.3
V340121		223	<0.002	4.56	61.0	8.9	1	11.2	25.1	0.52	0.42	14.75	0.179	3.03	4.9
V340122		109.5	<0.002	0.51	13.30	10.8	1	3.2	139.5	0.76	0.17	13.90	0.252	1.76	4.5
V340123		109.0	<0.002	1.00	6.95	10.5	1	5.4	149.5	0.70	0.63	13.15	0.254	1.69	4.5
V340124		120.5	<0.002	1.99	16.30	10.3	1	8.5	105.0	0.59	1.25	11.20	0.210	2.42	4.4



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147679

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340089		2.9	14.8	247	31.7	0.106
V340090		9.3	14.0	198	27.6	0.087
V340091		2.5	15.0	71	33.0	0.017
V340092		1.7	13.5	61	31.2	0.075
V340093		1.6	11.1	108	23.0	1.000
V340094		1.6	10.7	102	22.6	1.235
V340095		4.2	14.6	44	37.1	0.051
V340096		2.9	16.0	191	30.6	0.310
V340097		2.4	14.7	63	31.6	0.025
V340098		2.1	15.7	258	31.9	0.018
V340099		4.9	8.8	1310	19.2	0.470
V340100		0.1	0.9	24	<0.5	0.005
V340101		3.8	14.2	113	30.0	0.143
V340102		3.8	16.0	45	33.2	0.019
V340103		5.8	13.1	280	33.4	0.219
V340104		6.2	11.7	2570	30.4	0.886
V340105		7.5	6.9	1760	26.8	0.387
V340106		2.1	13.8	743	139.0	0.015
V340107		3.4	11.9	1010	85.6	0.559
V340108		2.3	10.5	141	102.5	0.024
V340109		3.0	11.3	782	30.5	0.372
V340110		0.1	0.8	17	0.5	<0.005
V340111		3.5	11.1	316	38.7	0.204
V340112		1.3	15.3	47	27.7	<0.005
V340113		5.8	12.2	856	31.6	0.379
V340114		3.5	10.8	302	22.3	5.51
V340115		2.3	15.2	158	29.4	0.019
V340116		8.3	13.8	92	25.3	0.052
V340117		11.8	8.8	404	23.7	3.72
V340118		10.3	9.2	289	24.2	0.241
V340119		10.6	9.8	339	24.8	0.221
V340120		8.0	11.5	205	23.9	0.058
V340121		7.2	8.1	79	27.3	0.151
V340122		5.0	14.8	80	29.1	0.016
V340123		3.4	14.4	98	28.7	0.077
V340124		3.8	12.8	627	24.8	0.384



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 25-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17147679

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE WH17147680

Project: Klaza

P.O. No.: 17-047

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

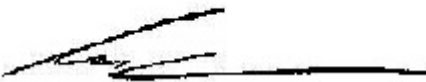
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147680

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V340915		6.08	0.17	7.21	8.8	1890	1.67	0.25	2.92	0.09	52.9	6.4	13	9.33	5.9	3.07
V340916		3.12	1.42	7.09	22.7	1570	1.72	1.57	2.33	8.01	42.4	6.2	10	13.00	121.0	2.98
V340917		3.90	0.22	6.56	25.8	1710	1.71	0.09	2.38	0.15	34.3	6.9	9	27.6	6.2	2.59
V340918		3.04	39.0	5.15	1510	250	1.29	6.46	2.34	45.9	34.3	7.3	9	12.10	653	7.64
V340919		3.94	1.42	6.75	138.0	1610	1.64	0.30	2.13	2.83	59.8	5.1	10	17.60	19.1	3.63
V340920		0.32	39.5	5.73	2600	310	1.15	35.7	1.66	43.7	35.4	16.8	21	9.95	1180	9.08
V340921		3.46	50.9	5.01	3090	400	1.37	63.7	2.21	86.2	34.8	45.9	11	12.95	1590	7.45
V340922		5.50	0.28	7.34	38.5	2150	1.87	0.27	2.87	0.59	37.6	4.8	9	20.2	10.4	3.06
V340923		5.14	0.21	7.41	27.4	1640	1.54	0.20	2.99	0.39	49.5	5.4	12	8.63	6.4	3.03
V340924		2.32	9.49	6.67	472	290	1.44	4.96	3.31	20.3	41.9	8.8	9	13.75	710	5.26
V340925		3.00	0.13	7.98	7.4	2390	1.73	0.10	2.63	0.20	46.0	5.8	17	8.58	6.2	3.23
V340926		1.14	0.11	7.33	8.0	2250	1.55	0.09	2.69	0.18	43.4	5.8	9	8.25	6.0	3.10
V340927		3.02	0.11	7.23	8.0	2200	1.55	0.09	2.46	0.18	47.5	8.0	12	10.95	9.1	3.02
V340928		0.32	9.85	6.62	1900	370	1.46	5.93	1.93	41.0	41.1	16.7	19	16.90	114.5	5.25
V340929		1.36	20.3	7.28	306	910	1.36	8.07	1.89	50.3	47.1	7.0	10	10.10	124.5	4.71
V340930		8.28	0.19	7.75	13.4	2410	1.65	0.22	2.54	0.62	46.1	6.7	11	10.35	7.2	3.10
V340931		11.00	0.73	7.82	153.0	2180	1.71	1.42	2.58	3.07	52.2	9.6	11	9.52	46.5	3.46
V340932		11.34	0.08	7.74	8.6	2410	1.50	0.07	2.49	0.15	51.2	7.4	12	8.54	6.7	3.03
V340933		13.48	0.70	7.39	36.2	2130	1.50	0.91	2.68	11.15	43.4	7.6	14	9.84	47.3	3.24
V340934		12.76	0.11	7.73	10.7	2420	1.57	0.16	2.86	0.21	46.6	7.9	11	9.34	7.9	3.15
V340935		2.54	1.49	7.32	42.9	1900	1.63	1.76	2.40	55.9	47.2	7.0	14	12.20	61.1	3.55
V340936		<0.02	1.29	7.47	39.0	1850	1.62	1.67	2.39	40.0	50.2	6.8	12	12.20	42.5	3.49
V340937		6.02	0.01	0.08	0.8	30	<0.05	<0.01	21.3	0.16	1.46	0.7	<1	0.24	1.8	0.48
V340938		3.88	0.11	7.26	10.7	2200	1.73	0.24	2.58	0.17	42.3	7.2	10	17.05	6.9	2.88
V340939		10.94	0.12	7.02	13.9	850	1.75	0.11	3.23	0.13	44.4	6.9	9	21.7	7.4	2.57
V340940		12.14	0.06	6.71	13.7	1410	1.64	0.12	3.46	0.19	41.6	6.4	9	21.0	7.1	2.54
V340941		5.28	0.37	7.31	31.9	2030	1.53	0.52	2.19	0.53	40.8	7.6	8	12.75	25.9	3.39
V340942		3.84	24.1	6.22	680	380	1.54	37.6	1.02	80.4	42.5	9.6	8	12.35	631	9.03
V340943		6.16	0.05	0.06	1.1	30	<0.05	0.06	21.2	0.24	1.32	0.7	<1	0.19	2.8	0.49
V340944		7.94	0.11	7.86	9.9	2080	1.54	0.10	2.59	0.36	49.8	6.9	9	13.60	10.3	3.02
V340945		4.08	0.08	7.30	6.9	2360	1.30	0.09	2.57	0.11	42.6	6.0	11	10.95	4.1	2.89
V340946		12.66	0.08	7.52	7.7	2300	1.55	0.12	2.35	0.12	48.3	6.6	12	11.10	5.0	2.95
V340947		11.86	0.09	6.99	8.4	2220	1.34	0.11	2.38	0.11	41.6	7.6	9	12.60	13.3	2.74
V340948		6.36	0.12	7.11	9.1	2170	1.55	0.16	2.71	0.16	44.4	7.8	12	13.00	18.0	2.86
V340949		2.48	0.55	6.93	37.0	1010	1.54	0.15	2.80	2.55	49.5	6.1	15	19.65	9.9	2.84
V340950		2.34	7.08	4.94	1020	1030	1.05	8.03	0.47	21.1	37.5	3.3	13	4.46	178.0	4.65



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147680

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V340915		15.85	0.13	1.0	0.038	2.32	26.6	13.0	0.71	514	1.44	2.17	7.5	3.2	600
V340916		15.55	0.12	1.1	0.190	2.69	21.3	18.8	0.69	736	1.64	1.07	7.6	2.5	560
V340917		15.55	0.13	1.0	0.033	2.85	17.2	55.4	0.44	912	1.18	1.08	7.9	2.3	600
V340918		11.10	0.12	0.7	1.700	2.15	17.1	22.1	0.76	4860	1.45	0.06	4.7	2.5	370
V340919		15.60	0.12	0.8	0.361	3.12	31.8	14.8	0.71	3110	2.15	0.06	6.8	2.3	560
V340920		13.50	0.10	0.9	1.560	2.60	18.3	15.3	0.68	2310	16.25	0.06	4.8	15.5	460
V340921		11.25	0.09	0.9	2.08	1.98	18.7	25.5	0.77	1060	3.34	0.03	4.7	3.8	450
V340922		16.70	0.12	1.2	0.051	2.76	18.4	48.6	0.74	658	1.71	1.32	8.5	2.2	690
V340923		15.45	0.13	1.0	0.041	2.33	26.0	10.3	0.76	628	2.18	2.02	7.6	2.3	620
V340924		14.40	0.10	0.9	0.516	2.85	22.5	12.8	0.62	1330	2.82	0.31	6.7	2.0	540
V340925		16.65	0.14	1.1	0.040	2.85	24.5	15.7	0.77	509	1.72	2.19	8.1	2.4	640
V340926		15.75	0.13	1.1	0.033	2.64	22.3	14.4	0.75	509	1.21	2.12	8.0	2.2	620
V340927		15.55	0.14	1.1	0.035	2.64	24.4	15.4	0.74	530	1.18	2.11	7.8	2.4	590
V340928		14.70	0.10	1.2	0.917	2.89	21.2	24.2	0.69	2020	11.80	0.27	7.4	16.6	520
V340929		15.40	0.10	1.0	1.580	2.74	24.5	14.0	0.71	1120	1.32	0.58	7.3	2.3	570
V340930		16.65	0.14	1.2	0.063	2.85	24.0	14.2	0.84	575	1.80	2.45	8.3	2.5	650
V340931		16.50	0.14	1.2	0.130	2.72	27.6	13.9	0.92	757	1.59	2.15	8.1	2.6	640
V340932		16.40	0.14	1.1	0.038	2.65	26.8	13.9	0.92	618	1.50	2.48	8.2	2.5	640
V340933		15.95	0.12	1.1	0.474	2.69	21.6	15.7	0.79	926	1.87	1.97	7.8	2.5	610
V340934		16.70	0.14	1.0	0.044	2.77	23.3	16.0	0.86	764	1.43	2.54	8.4	2.5	670
V340935		15.90	0.13	1.1	1.965	2.83	24.3	31.4	0.75	994	2.01	1.71	7.6	2.4	610
V340936		15.65	0.14	1.0	1.465	2.79	26.3	30.9	0.76	960	1.59	1.72	7.3	2.4	600
V340937		0.29	0.12	<0.1	0.008	0.04	0.7	1.6	13.20	209	0.07	0.01	0.2	1.4	200
V340938		16.20	0.12	1.1	0.051	2.77	20.8	61.0	0.63	572	1.72	2.46	8.3	2.5	640
V340939		17.80	0.14	3.4	0.035	2.42	22.1	24.7	1.00	549	0.80	1.68	9.9	4.4	780
V340940		17.50	0.13	3.3	0.034	2.46	20.9	26.7	0.97	621	1.00	1.52	9.8	4.3	800
V340941		16.00	0.12	1.3	0.066	3.18	19.5	49.7	0.69	889	1.21	0.70	8.8	2.7	650
V340942		13.40	0.10	1.0	3.00	2.80	22.2	20.9	0.52	1780	1.54	0.05	6.2	2.4	480
V340943		0.24	0.10	<0.1	0.010	0.02	0.7	1.2	13.30	214	0.09	0.01	0.1	1.3	200
V340944		15.70	0.15	1.3	0.042	2.93	26.1	25.6	0.78	693	1.27	1.63	8.5	2.3	650
V340945		16.35	0.14	1.1	0.037	2.83	21.8	9.5	0.65	488	1.88	2.31	7.6	2.6	610
V340946		16.75	0.13	1.1	0.032	2.71	24.8	16.7	0.87	484	1.57	2.57	8.2	2.5	600
V340947		16.60	0.12	1.0	0.032	2.52	20.5	19.2	0.66	472	1.20	2.10	7.8	2.5	600
V340948		16.10	0.14	1.0	0.034	2.66	22.2	11.2	0.75	520	1.12	2.18	7.7	2.5	630
V340949		16.40	0.15	1.0	0.139	2.88	25.2	54.0	0.63	2330	1.16	0.16	7.4	2.4	600
V340950		11.95	0.11	0.6	0.453	2.35	17.3	16.5	0.29	1080	2.71	0.04	4.0	1.4	390



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147680

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V340915		99.0	<0.002	0.17	2.62	10.3	1	2.4	286	0.63	<0.05	12.00	0.230	1.02	4.5	67
V340916		101.0	<0.002	0.31	4.70	9.7	1	2.8	183.5	0.65	<0.05	11.30	0.228	1.31	3.8	63
V340917		112.0	<0.002	0.22	5.13	9.8	1	1.7	241	0.60	<0.05	9.63	0.248	1.66	3.3	68
V340918		132.0	<0.002	6.85	90.2	7.4	1	8.1	91.5	0.38	0.62	7.87	0.153	2.06	3.0	47
V340919		149.5	<0.002	1.12	10.30	9.5	1	3.2	79.1	0.54	0.05	10.15	0.211	2.99	5.1	68
V340920		148.5	0.002	7.97	106.5	8.3	1	11.0	62.9	0.39	0.67	9.11	0.168	2.10	5.5	56
V340921		132.5	<0.002	7.70	64.6	6.3	1	6.6	159.5	0.37	1.57	8.01	0.146	1.62	4.2	43
V340922		94.7	<0.002	0.11	3.42	10.6	1	2.1	335	0.68	<0.05	10.50	0.282	1.42	3.2	77
V340923		113.0	<0.002	0.15	2.43	10.4	1	2.2	276	0.59	<0.05	11.95	0.247	1.44	3.8	70
V340924		150.5	<0.002	4.32	17.10	9.2	1	3.9	127.5	0.53	0.17	11.00	0.213	2.18	4.0	60
V340925		105.0	<0.002	0.02	2.11	10.9	1	1.8	346	0.66	<0.05	13.80	0.260	1.05	3.4	71
V340926		95.5	<0.002	0.02	2.04	10.3	1	1.9	331	0.63	<0.05	12.25	0.256	1.04	3.3	70
V340927		94.3	<0.002	0.03	2.59	10.5	<1	2.1	352	0.64	<0.05	11.90	0.249	0.94	3.7	69
V340928		148.0	<0.002	3.19	32.8	8.7	1	5.9	150.5	0.59	0.38	10.80	0.210	2.35	4.9	59
V340929		127.0	<0.002	2.36	12.10	10.3	1	5.6	107.0	0.60	<0.05	13.15	0.231	1.90	4.2	66
V340930		101.5	<0.002	0.07	2.06	10.5	1	1.8	413	0.69	<0.05	12.65	0.265	0.99	4.2	72
V340931		111.0	<0.002	0.28	1.53	11.3	1	2.3	385	0.67	<0.05	13.90	0.265	1.03	4.4	74
V340932		102.5	<0.002	0.01	0.89	11.0	1	1.5	443	0.65	<0.05	13.80	0.264	0.90	4.3	72
V340933		98.3	<0.002	0.36	1.96	10.0	1	2.3	338	0.64	<0.05	11.40	0.250	1.13	4.0	69
V340934		91.9	<0.002	0.05	1.39	10.8	1	1.8	450	0.66	<0.05	12.00	0.279	0.99	4.2	76
V340935		114.5	<0.002	0.65	2.61	10.0	1	3.3	338	0.63	<0.05	12.40	0.245	1.41	4.5	68
V340936		118.5	<0.002	0.52	2.40	10.2	1	3.2	338	0.62	<0.05	13.25	0.239	1.41	4.6	68
V340937		1.8	<0.002	<0.01	0.08	0.2	1	<0.2	46.9	<0.05	<0.05	0.15	<0.005	0.02	1.0	3
V340938		96.1	<0.002	0.04	2.82	9.3	1	2.2	440	0.66	<0.05	10.70	0.265	1.04	3.4	73
V340939		79.2	<0.002	0.06	7.45	6.8	1	1.5	428	0.74	<0.05	7.95	0.287	1.10	4.6	71
V340940		75.2	<0.002	0.06	9.51	6.5	1	1.5	407	0.74	<0.05	7.36	0.286	1.16	4.8	68
V340941		115.5	<0.002	0.28	5.31	10.1	1	3.3	202	0.77	<0.05	11.65	0.269	1.50	4.9	75
V340942		163.5	<0.002	8.57	32.4	8.4	1	6.4	73.5	0.52	0.29	10.85	0.190	2.26	4.9	55
V340943		1.5	<0.002	0.01	0.14	0.2	<1	<0.2	47.7	<0.05	<0.05	0.13	<0.005	<0.02	0.5	2
V340944		116.5	<0.002	0.05	3.01	9.6	1	1.8	309	0.76	<0.05	13.30	0.266	1.31	4.5	73
V340945		100.5	<0.002	0.04	3.72	9.0	1	1.7	379	0.61	<0.05	11.10	0.253	1.17	3.2	69
V340946		98.1	<0.002	0.04	1.14	9.5	1	1.7	432	0.71	<0.05	12.15	0.248	0.98	4.1	68
V340947		92.6	<0.002	0.08	7.21	9.5	1	1.8	352	0.65	<0.05	10.30	0.246	1.06	3.4	67
V340948		98.3	<0.002	0.17	1.95	10.0	1	2.1	366	0.63	0.05	10.70	0.259	1.25	3.3	69
V340949		117.5	<0.002	0.52	9.40	9.4	1	2.3	143.0	0.64	<0.05	10.45	0.238	2.35	3.9	67
V340950		150.5	<0.002	4.53	41.4	6.1	1	8.2	56.9	0.33	0.06	6.80	0.135	1.83	3.2	43



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17147680

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340915		1.5	15.6	46	29.3	0.009
V340916		7.9	12.4	898	30.5	0.008
V340917		2.4	12.8	40	28.5	0.006
V340918		4.5	9.1	4640	17.4	0.640
V340919		2.7	11.3	251	22.4	0.081
V340920		7.2	9.1	3390	24.1	1.735
V340921		3.2	7.6	5860	32.7	6.15
V340922		3.2	14.2	74	35.4	0.005
V340923		1.4	15.1	68	29.3	0.007
V340924		3.2	14.6	1640	30.0	0.390
V340925		2.2	16.5	51	33.1	<0.005
V340926		1.8	15.5	47	32.9	<0.005
V340927		4.5	17.1	46	32.0	<0.005
V340928		5.1	10.9	3120	40.4	0.773
V340929		3.3	12.8	5370	29.9	0.050
V340930		5.0	16.9	82	34.1	0.005
V340931		2.6	18.2	368	35.5	0.015
V340932		1.9	18.5	45	33.4	<0.005
V340933		2.1	15.3	1080	34.2	0.060
V340934		1.6	16.7	53	29.6	<0.005
V340935		2.5	15.3	5360	31.4	0.016
V340936		2.3	15.8	3830	32.4	0.013
V340937		0.1	0.9	22	<0.5	<0.005
V340938		1.4	13.9	47	33.5	<0.005
V340939		1.4	12.3	64	130.5	<0.005
V340940		1.3	13.1	75	129.0	<0.005
V340941		4.1	15.3	93	38.3	0.009
V340942		3.3	11.1	5390	34.0	1.150
V340943		0.1	0.8	27	0.5	<0.005
V340944		2.6	17.5	61	34.6	<0.005
V340945		1.5	15.4	41	29.2	<0.005
V340946		1.3	17.7	40	29.6	<0.005
V340947		2.2	16.1	38	28.0	<0.005
V340948		1.0	16.3	43	28.1	<0.005
V340949		3.0	15.3	230	27.8	0.008
V340950		2.6	6.3	1640	14.9	1.200



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17147680

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE WH17147681

Project: Klaza

P.O. No.: 17-049

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147681

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V340053		6.88	0.12	7.20	11.1	2140	1.48	0.52	1.90	0.21	45.3	6.2	13	23.6	13.2	2.84
V340054		9.14	0.23	7.13	18.2	2390	1.63	1.19	2.34	0.42	49.2	9.9	14	16.40	36.9	3.03
V340055		10.56	1.89	7.35	54.9	1200	1.61	36.9	2.48	0.30	48.1	19.9	15	12.65	380	3.89
V340056		5.42	0.36	7.68	26.0	2080	1.60	1.21	2.32	0.17	53.3	9.3	16	12.45	75.0	3.31
V340057		7.12	7.36	6.73	352	260	1.39	9.46	2.18	3.95	45.7	19.0	12	16.70	334	5.90
V340058		12.26	0.28	7.32	17.2	1770	1.28	0.82	2.26	0.38	46.9	7.5	13	15.10	30.7	2.86
V340059		5.14	0.29	7.12	20.2	1750	1.23	0.75	2.04	0.34	44.0	6.4	12	14.90	33.9	2.64
V340060		7.62	0.55	7.27	45.3	720	1.55	1.01	2.77	0.75	52.6	7.9	11	28.8	36.3	3.54
V340061		12.36	0.20	6.78	13.1	2130	1.26	0.99	3.16	0.51	38.2	8.1	12	21.7	36.6	2.94
V340062		4.14	0.55	7.23	62.0	1290	1.60	1.88	2.97	0.48	49.0	7.4	10	28.4	49.1	3.25
V340063		0.36	4.25	6.40	697	410	1.29	3.18	1.96	9.38	50.4	11.2	27	13.05	301	4.79
V340064		4.68	1.80	7.64	115.5	1250	1.52	2.76	1.35	6.65	46.4	6.1	13	20.3	38.4	4.36
V340065		6.34	0.28	7.03	31.9	1370	1.41	0.87	2.38	0.60	45.9	7.5	14	14.05	78.3	2.93
V340066		4.36	0.26	7.41	15.6	2160	1.54	0.73	2.31	0.16	43.9	6.7	12	13.55	32.8	3.37
V340067		8.44	1.26	7.33	107.5	960	1.46	2.02	1.87	1.07	55.0	6.5	13	18.10	47.7	4.44
V340068		6.08	<0.01	0.08	<0.2	60	0.10	0.03	21.5	0.05	1.29	0.6	2	0.21	1.9	0.49
V340069		5.06	0.38	7.18	19.4	1550	1.39	0.61	2.52	0.29	47.5	6.5	10	19.65	35.0	2.84
V340070		4.62	0.90	7.56	118.5	1250	1.58	1.25	1.60	8.50	46.6	7.7	10	24.5	66.1	3.30
V340071		4.74	5.10	7.30	193.0	600	1.42	4.88	0.17	8.98	56.1	7.3	12	16.50	82.2	4.36
V340072		7.82	0.84	6.98	44.9	1320	1.55	2.43	2.06	32.7	48.0	10.8	10	19.25	27.4	3.56
V340073		<0.02	0.92	7.15	45.9	1300	1.64	2.81	2.11	31.5	50.4	11.3	11	19.70	25.3	3.64
V340074		11.88	0.40	7.34	295	1950	1.57	3.04	1.91	1.36	48.5	9.3	11	17.95	38.0	3.04
V340075		7.98	0.34	7.61	23.1	2870	1.29	0.65	1.52	0.90	44.1	7.0	14	15.70	42.6	3.18
V340076		3.90	0.73	7.27	64.4	2090	1.61	1.85	2.90	1.46	53.0	8.4	11	22.2	28.8	3.14
V340077		10.12	14.55	6.55	342	200	1.36	16.50	1.28	97.6	54.0	7.5	13	14.75	189.0	5.62
V340078		0.38	11.15	6.53	1555	180	1.50	12.10	1.87	31.7	45.5	19.4	20	14.00	288	6.53
V340079		3.30	1.51	6.96	208	1490	2.02	0.41	3.35	3.09	57.5	8.2	17	14.70	14.4	2.64
V340080		7.14	6.29	6.12	293	130	1.08	8.80	0.06	3.60	31.0	14.3	11	5.92	88.1	10.30
V340081		7.04	4.68	7.51	165.0	770	1.68	6.84	0.73	4.49	56.8	6.7	15	13.20	105.0	4.14
V340082		7.80	0.59	7.08	36.0	1940	1.45	2.71	1.93	0.88	42.6	8.5	13	15.05	32.2	3.17
V340083		6.08	0.01	0.08	<0.2	30	0.07	0.06	21.9	0.07	1.27	1.0	1	0.40	2.2	0.49
V340084		13.40	0.67	7.12	39.0	1940	1.49	2.27	2.08	2.88	53.0	10.1	13	16.00	63.4	3.19
V340085		6.42	0.86	6.94	35.1	2250	1.35	1.84	2.09	1.10	40.9	7.0	13	18.30	40.6	3.01
V340086		9.42	0.68	7.04	136.5	1590	1.49	0.97	2.60	1.11	46.0	8.4	11	25.4	40.9	3.19
V340087		4.16	0.47	6.85	107.0	1530	1.97	0.25	2.37	0.68	52.5	7.4	18	20.1	12.9	2.70
V340088		7.18	0.89	7.11	85.3	1540	1.54	1.56	2.69	0.73	43.6	8.0	19	20.9	20.6	3.48



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Project: Klaza

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17147681

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
V340053		15.30	0.13	1.2	0.085	2.55	22.8	24.6	0.58	511	1.83	1.32	8.7	2.3	590	19.3
V340054		15.60	0.15	1.3	0.079	2.49	27.0	14.4	0.72	578	2.13	2.09	8.2	2.6	590	29.2
V340055		15.90	0.13	1.1	0.097	2.78	24.6	11.5	0.74	476	2.02	1.68	8.1	2.8	630	49.3
V340056		15.85	0.16	1.2	0.122	3.14	28.0	12.3	0.82	517	1.86	1.30	8.1	2.5	630	14.6
V340057		14.80	0.13	1.2	0.359	3.05	23.2	8.7	0.81	1760	1.97	0.05	7.1	2.8	570	256
V340058		15.15	0.14	1.2	0.057	2.57	23.7	33.7	0.78	540	1.08	0.11	8.2	2.4	600	30.8
V340059		15.30	0.14	1.2	0.056	2.52	21.5	40.5	0.70	521	1.17	0.11	8.2	2.2	590	29.3
V340060		15.35	0.16	1.0	0.098	2.83	27.8	21.3	1.00	857	0.69	0.05	7.1	2.4	620	64.9
V340061		15.80	0.14	1.1	0.084	2.68	18.2	40.6	0.59	473	0.75	0.10	8.6	2.3	650	28.6
V340062		15.90	0.14	1.0	0.085	2.46	24.8	32.0	0.91	539	1.14	0.06	8.0	2.9	670	38.8
V340063		14.00	0.12	1.0	0.270	2.86	27.6	24.4	0.73	1860	13.75	0.14	6.0	13.0	490	469
V340064		16.45	0.12	1.3	0.320	3.41	24.3	14.4	0.73	851	1.02	0.05	7.4	2.3	620	113.0
V340065		15.35	0.13	1.3	0.041	2.69	22.7	23.3	0.79	373	0.85	0.39	7.9	2.3	570	36.7
V340066		16.20	0.15	1.4	0.080	3.14	21.4	19.0	0.67	715	1.19	1.25	8.8	2.1	620	19.1
V340067		15.20	0.14	1.0	0.185	3.30	29.8	17.1	0.92	1140	1.23	0.05	6.4	2.6	580	100.5
V340068		0.22	0.14	<0.1	<0.005	0.03	0.6	1.0	13.25	216	0.05	0.01	0.1	1.3	180	1.2
V340069		15.40	0.15	1.2	0.070	2.89	23.1	26.5	0.84	798	1.25	0.07	7.3	2.2	640	34.3
V340070		15.50	0.17	1.1	0.144	3.09	25.1	14.7	0.71	1800	2.86	0.04	7.3	3.4	620	47.2
V340071		17.30	0.18	1.1	0.271	3.55	31.8	11.3	0.39	199	9.27	0.04	6.2	2.4	340	383
V340072		15.30	0.15	1.2	0.134	3.04	25.4	18.9	0.86	1710	1.68	0.05	7.2	3.2	560	38.2
V340073		15.55	0.17	1.2	0.139	3.10	27.5	19.1	0.89	1740	2.59	0.05	7.4	3.3	560	40.6
V340074		16.50	0.17	1.3	0.147	3.10	24.6	24.0	0.65	1010	2.11	0.43	9.4	4.2	630	56.5
V340075		15.55	0.17	1.3	0.115	3.16	22.6	24.8	0.56	748	1.03	0.11	8.7	2.4	620	84.5
V340076		15.85	0.19	1.2	0.243	3.16	28.7	26.3	1.05	1360	0.79	0.07	8.1	2.6	600	65.2
V340077		15.70	0.17	1.1	0.462	2.91	30.2	12.6	0.62	1300	3.50	0.03	6.2	3.1	530	2270
V340078		15.05	0.15	1.0	0.775	2.87	24.2	20.1	0.77	1780	8.40	0.12	6.6	12.5	530	1290
V340079		19.15	0.18	3.3	0.035	3.14	28.5	17.0	1.20	4060	2.25	0.03	11.7	7.0	1110	64.3
V340080		14.20	0.13	1.0	0.184	2.95	15.2	9.7	0.26	87	4.89	0.05	4.4	3.1	230	379
V340081		16.50	0.19	1.3	0.254	3.50	31.7	18.1	0.55	696	1.38	0.06	6.2	2.5	490	250
V340082		16.00	0.17	1.1	0.159	3.23	21.5	20.1	0.66	684	1.04	0.10	7.9	2.5	590	63.0
V340083		0.34	0.20	<0.1	0.005	0.04	0.6	1.2	13.55	219	0.08	<0.01	0.3	1.3	170	1.8
V340084		16.95	0.18	1.5	0.210	2.84	27.3	31.8	0.77	709	1.20	0.07	8.8	2.5	590	108.5
V340085		14.95	0.16	1.3	0.189	2.27	20.8	33.4	0.72	670	0.87	0.05	7.9	2.4	570	93.0
V340086		15.25	0.17	1.1	0.132	2.53	24.7	45.4	0.94	800	1.72	0.04	7.6	3.2	580	48.9
V340087		17.60	0.18	3.1	0.037	3.10	26.3	16.9	0.86	857	1.45	0.05	11.1	5.7	1020	35.8
V340088		15.90	0.16	1.2	0.156	2.87	22.3	21.0	0.91	931	2.63	0.06	7.9	3.1	620	53.2



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147681

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V340053		102.5	<0.002	0.27	4.92	10.0	1	4.0	229	0.71	0.10	12.20	0.257	1.34	3.8	72
V340054		97.7	<0.002	0.60	2.32	10.1	1	3.4	355	0.62	0.47	11.90	0.246	1.16	3.9	70
V340055		116.5	<0.002	1.80	7.11	11.3	1	4.4	314	0.62	0.87	12.00	0.249	1.37	3.8	73
V340056		150.0	<0.002	1.02	3.46	11.3	1	4.1	260	0.61	0.27	14.25	0.252	1.91	4.4	73
V340057		174.5	<0.002	4.71	26.2	10.1	1	7.1	90.9	0.65	0.54	11.85	0.208	2.37	5.2	64
V340058		99.4	<0.002	1.11	12.10	10.2	1	2.9	89.3	0.62	0.24	13.95	0.244	1.40	3.8	65
V340059		92.3	<0.002	0.91	11.85	9.8	1	2.9	85.1	0.63	0.24	12.90	0.237	1.39	3.8	65
V340060		159.0	<0.002	1.92	11.45	11.4	1	5.6	89.3	0.52	0.23	12.85	0.234	2.21	3.8	70
V340061		88.9	<0.002	0.53	9.74	10.7	1	3.3	131.5	0.62	0.35	10.20	0.276	1.44	2.7	77
V340062		97.9	<0.002	1.57	21.2	11.1	1	2.8	101.5	0.52	0.33	10.95	0.263	1.99	3.5	78
V340063		160.0	0.003	2.56	28.2	9.0	1	5.2	103.0	0.46	0.28	11.80	0.196	2.22	4.6	63
V340064		209	<0.002	2.13	10.45	11.7	1	6.2	52.6	0.53	0.27	15.30	0.224	2.79	4.3	70
V340065		102.0	<0.002	1.46	10.40	9.7	1	3.4	143.0	0.57	0.23	13.25	0.227	1.72	4.2	66
V340066		134.0	<0.002	0.59	7.01	10.4	1	3.7	245	0.68	0.07	13.70	0.260	1.52	3.9	72
V340067		205	<0.002	2.14	21.3	10.5	1	6.5	59.1	0.47	0.18	13.05	0.225	2.54	6.1	68
V340068		1.7	<0.002	<0.01	0.09	0.2	1	<0.2	47.8	<0.05	<0.05	0.09	<0.005	<0.02	0.6	2
V340069		114.0	<0.002	0.81	11.60	10.3	1	4.2	97.9	0.56	0.07	12.35	0.253	1.98	3.4	74
V340070		134.0	<0.002	1.16	10.90	10.2	1	2.1	75.1	0.59	0.17	13.45	0.252	2.46	2.8	70
V340071		237	0.003	2.86	20.8	10.7	1	7.8	46.2	0.50	1.05	12.15	0.195	3.36	2.9	67
V340072		142.0	<0.002	0.98	9.37	10.3	1	2.1	99.6	0.59	0.40	11.65	0.230	2.40	3.3	67
V340073		155.0	<0.002	0.99	9.45	10.5	1	2.1	102.0	0.61	0.43	12.30	0.233	2.54	3.5	67
V340074		122.5	<0.002	0.44	11.60	11.4	1	2.1	142.5	0.74	0.11	13.45	0.262	2.08	3.0	72
V340075		105.5	<0.002	0.26	12.00	10.4	1	2.1	96.6	0.73	0.12	12.85	0.265	1.76	2.8	72
V340076		142.0	<0.002	0.82	15.35	10.7	1	2.9	134.0	0.67	0.27	13.95	0.246	2.50	4.4	70
V340077		149.5	<0.002	5.30	23.7	9.0	1	6.3	46.5	0.50	0.68	12.80	0.201	2.70	2.6	59
V340078		155.0	<0.002	4.60	63.8	9.4	2	7.3	97.2	0.52	0.95	11.55	0.208	2.41	4.9	62
V340079		132.0	<0.002	1.43	23.4	7.3	1	1.4	196.5	0.72	<0.05	8.59	0.306	3.68	5.1	64
V340080		159.5	0.008	>10.0	18.85	8.8	2	12.4	17.1	0.36	2.67	9.77	0.143	1.88	1.9	58
V340081		201	0.002	2.62	24.1	10.3	1	6.6	55.2	0.59	1.04	15.30	0.197	2.75	3.0	66
V340082		127.0	<0.002	0.79	11.15	10.1	1	2.5	102.0	0.61	0.26	12.75	0.247	2.30	4.1	69
V340083		2.4	<0.002	<0.01	0.11	0.2	1	<0.2	49.6	<0.05	<0.05	0.10	<0.005	0.02	0.6	2
V340084		114.5	<0.002	0.76	15.50	11.1	1	2.6	110.5	0.76	0.26	15.30	0.243	2.08	4.3	69
V340085		76.4	<0.002	0.74	18.10	9.5	1	2.5	85.9	0.66	0.22	13.15	0.241	1.58	2.3	65
V340086		105.5	0.002	0.81	14.20	10.1	1	3.7	98.2	0.57	0.16	11.85	0.246	1.94	3.1	68
V340087		114.0	0.004	0.59	11.10	7.2	1	1.6	117.5	0.67	<0.05	8.81	0.290	2.74	9.1	62
V340088		94.8	<0.002	1.35	10.65	9.9	1	4.0	106.0	0.60	0.17	11.00	0.257	2.02	3.5	69



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147681

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340053		2.9	14.0	52	33.2	0.010
V340054		1.6	14.1	69	34.4	0.027
V340055		1.8	14.5	52	31.7	1.935
V340056		1.8	14.7	45	34.3	0.071
V340057		5.0	12.6	411	30.3	0.427
V340058		3.3	14.6	53	36.6	0.041
V340059		3.3	13.8	50	35.0	0.032
V340060		2.2	15.2	92	29.5	0.071
V340061		2.9	13.2	50	32.2	0.033
V340062		2.1	14.1	59	29.1	0.057
V340063		5.0	11.3	859	30.1	0.332
V340064		4.7	10.3	537	39.5	0.118
V340065		2.1	13.9	51	41.8	0.040
V340066		2.2	14.9	50	42.8	0.125
V340067		4.2	12.1	159	33.6	0.102
V340068		0.1	0.7	17	<0.5	<0.005
V340069		2.8	14.0	68	37.3	0.023
V340070		2.9	13.9	1320	30.1	0.119
V340071		7.0	10.5	701	30.8	0.228
V340072		2.0	15.7	2910	32.6	0.037
V340073		2.2	16.1	2880	31.9	0.035
V340074		4.7	16.0	260	35.8	0.187
V340075		4.1	15.4	155	34.6	0.022
V340076		3.2	16.5	205	33.1	0.227
V340077		5.7	10.4	7770	32.2	1.495
V340078		6.0	11.9	2350	31.2	0.843
V340079		4.3	14.5	880	134.5	0.815
V340080		5.1	8.6	174	26.8	1.115
V340081		5.8	11.0	354	34.4	0.167
V340082		2.1	14.4	125	31.6	0.059
V340083		0.1	0.9	19	<0.5	<0.005
V340084		3.7	16.5	218	41.5	0.067
V340085		2.9	13.9	136	37.5	0.052
V340086		2.7	14.5	154	32.4	0.130
V340087		2.7	15.3	141	133.0	0.117
V340088		3.9	13.4	128	35.8	0.070



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
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CERTIFICATE OF ANALYSIS WH17147681

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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To: **ROCKHAVEN RESOURCES LTD.**
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Page: 1
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Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE WH17147683

Project: Klaza

P.O. No.: 17-050

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

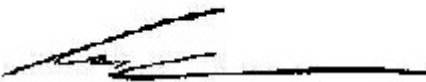
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES

To: **ROCKHAVEN 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 WH17147683

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Pb-OG62 Pb %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V340951		4.40		4.20	7.39	183.0	690	1.95	6.99	2.08	3.81	53.0	9.9	11	22.7	42.9
V340952		6.42		0.28	6.99	22.8	1660	1.77	0.32	2.62	0.36	43.2	9.1	15	21.3	12.5
V340953		4.52		2.84	6.90	460	3050	1.56	0.42	0.34	38.5	48.3	11.0	11	19.20	77.5
V340954		0.10		3.09	7.26	494	3140	1.85	0.43	0.35	45.2	53.7	12.2	12	21.3	85.2
V340955		9.94		1.15	8.09	104.0	2110	1.71	0.24	0.54	22.8	53.3	7.6	14	24.1	126.5
V340956		6.60		1.92	8.19	81.8	1650	1.69	0.29	0.65	65.8	54.6	8.2	10	24.0	98.1
V340957		3.62		34.1	6.76	3360	850	1.58	6.86	0.26	143.5	47.3	6.2	10	18.40	498
V340958		6.06		0.06	0.09	5.7	30	0.07	0.06	22.0	0.43	1.41	1.0	1	0.28	3.8
V340959		9.94		3.21	8.13	346	2870	1.80	0.32	0.23	45.3	52.4	8.3	10	23.9	61.9
V340960		8.02		0.63	7.60	259	3830	1.66	0.40	0.62	29.9	51.7	11.6	11	12.90	19.7
V340961		6.30		0.17	7.70	13.0	2220	1.82	0.13	1.55	9.45	51.6	5.8	12	13.35	8.3
V340962		4.44		5.01	7.62	218	2190	1.77	1.02	1.49	40.8	54.3	6.7	11	13.65	82.9
V340963		5.04		1.65	7.81	273	1850	1.81	0.93	0.46	15.95	52.7	8.4	12	17.50	74.6
V340964		3.84		9.13	7.20	887	470	1.65	7.00	2.18	25.9	51.7	5.2	14	13.65	571
V340965		0.36		9.39	6.68	1800	200	1.59	6.37	1.91	41.1	44.5	17.2	22	17.35	112.0
V340966		3.94		9.76	7.25	2310	600	1.50	3.23	1.93	19.20	58.5	7.4	11	18.50	657
V340967		5.12		0.19	6.77	28.9	2350	1.40	0.25	2.56	1.31	40.2	3.8	14	12.45	6.0
V340968		7.68		0.10	7.24	11.9	2270	1.52	0.14	2.52	0.26	46.4	3.8	18	11.70	5.8
V340969		4.16		0.08	7.27	9.1	2270	1.57	0.13	2.47	0.16	47.7	4.0	13	11.35	6.5
V340970		6.28		3.06	6.97	176.0	1120	1.43	1.48	2.05	9.06	74.1	7.1	14	11.35	37.2
V340971		4.34		4.89	7.28	332	840	1.63	1.10	1.20	31.9	62.4	6.5	12	22.2	80.5
V340972		6.04		0.03	0.07	1.2	30	0.06	0.03	21.1	0.18	1.52	0.6	1	0.22	2.4
V340973		12.46		0.95	7.25	57.7	480	1.50	1.00	2.38	2.01	66.7	9.2	12	12.15	17.8
V340974		12.40		1.19	6.72	62.4	2780	1.46	0.65	2.83	3.49	49.2	7.7	11	21.4	38.4
V340975		7.68		0.95	6.96	30.8	1710	1.44	0.33	2.32	6.95	48.0	5.6	12	17.75	32.3
V340976		11.52		1.20	6.48	52.3	1870	1.37	0.54	2.96	4.29	54.8	6.7	10	21.5	26.1
V340977		4.38		20.5	6.84	1475	340	1.36	3.93	1.94	44.6	48.6	10.2	12	17.15	1005
V340978		5.70		13.60	7.27	166.5	750	1.54	1.08	1.92	30.6	52.8	7.7	11	22.9	157.5
V340979		2.18	0.991	37.2	4.79	385	330	1.10	2.98	1.47	87.6	34.2	6.4	11	14.35	563
V340980		3.20		0.54	6.75	26.0	1680	1.43	0.31	2.10	1.72	45.7	6.5	11	18.60	22.5
V340981		0.36		40.2	5.55	2520	110	1.10	35.3	1.63	45.3	34.0	15.8	22	9.75	1180
V340982		9.84		0.26	7.22	13.9	1700	1.16	0.27	1.65	0.31	41.3	7.2	15	12.70	18.1
V340983		7.68		0.76	7.25	27.1	2000	1.47	0.92	1.71	2.59	52.1	13.1	11	17.80	11.3
V340984		8.50		0.12	7.86	11.4	1910	1.18	0.22	1.18	0.21	50.5	7.2	11	9.29	16.0
V340985		9.26		0.12	7.76	8.8	2030	1.16	0.27	1.23	0.15	44.7	7.1	10	9.41	12.0
V340986		11.80		1.07	6.72	32.7	1410	1.62	0.79	2.57	4.18	44.7	10.1	13	17.20	20.8



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Page: 2 - B
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Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147683

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
V340951		4.21	16.80	0.18	1.0	0.103	3.22	27.8	19.6	0.76	1840	2.24	0.04	8.2	2.5	590
V340952		2.96	16.40	0.19	0.9	0.055	3.09	18.0	26.3	0.79	1180	1.21	0.50	7.4	2.2	570
V340953		3.50	13.80	0.15	1.1	0.242	2.76	29.3	28.7	0.24	3550	4.96	0.32	6.6	2.5	500
V340954		3.68	15.40	0.17	1.1	0.275	2.85	32.9	34.1	0.25	3820	5.43	0.35	7.5	2.9	510
V340955		3.11	17.25	0.17	1.3	0.112	3.08	27.5	89.7	0.21	1080	1.49	0.09	8.7	2.7	630
V340956		3.39	16.95	0.18	1.5	0.095	3.19	29.1	81.1	0.19	1270	1.55	0.08	9.9	2.5	720
V340957		4.84	15.00	0.14	1.1	12.40	2.91	28.3	23.6	0.23	773	3.86	0.02	7.0	1.3	500
V340958		0.49	0.31	0.17	<0.1	0.028	0.03	0.7	1.3	13.70	214	0.06	0.01	0.2	1.5	170
V340959		3.05	16.50	0.18	1.3	0.189	3.31	28.6	34.2	0.19	1660	2.54	0.04	8.3	2.3	530
V340960		3.36	15.30	0.18	1.1	0.154	3.07	30.0	23.0	0.25	817	3.78	0.67	8.1	2.1	550
V340961		2.67	15.95	0.19	1.3	0.047	2.98	28.5	16.4	0.66	487	2.21	1.85	8.2	2.4	560
V340962		3.98	16.30	0.18	1.3	0.591	2.97	30.2	14.4	0.65	923	1.83	1.47	8.7	2.4	620
V340963		2.94	16.05	0.18	1.1	0.139	2.78	30.8	55.7	0.25	1280	3.59	0.43	7.8	3.1	580
V340964		4.73	14.95	0.16	1.1	0.539	3.25	28.9	9.3	0.79	1760	1.12	0.43	7.4	2.1	520
V340965		5.25	14.60	0.15	1.3	0.915	2.89	23.3	24.5	0.71	1960	12.10	0.27	7.7	15.7	490
V340966		4.31	15.10	0.16	0.9	0.577	3.40	32.2	8.8	0.69	1330	0.74	0.20	6.9	2.3	530
V340967		2.79	14.40	0.16	1.0	0.074	3.01	20.6	11.3	0.59	616	1.04	1.70	7.3	2.5	550
V340968		2.87	15.15	0.16	1.0	0.040	2.76	24.3	11.3	0.71	494	1.44	2.41	7.9	2.5	590
V340969		2.83	15.35	0.20	1.0	0.039	2.77	25.2	10.8	0.71	477	0.91	2.43	7.8	2.3	580
V340970		3.14	15.15	0.22	1.0	0.150	2.84	41.6	14.9	0.68	878	1.10	1.00	6.9	2.2	520
V340971		3.85	15.45	0.20	2.3	0.170	2.87	35.3	65.2	0.65	1400	2.64	0.04	7.7	3.6	730
V340972		0.45	0.26	0.13	<0.1	0.005	0.03	0.7	1.2	13.10	198	2.75	0.01	0.2	1.4	180
V340973		3.24	15.05	0.19	1.0	0.100	3.41	36.9	22.1	0.82	1000	1.12	0.05	6.2	2.3	610
V340974		3.01	14.40	0.16	1.0	0.087	2.78	26.8	45.8	0.88	1100	1.02	0.05	6.9	2.2	540
V340975		3.63	14.80	0.16	1.0	0.124	3.05	25.5	41.3	0.84	1240	1.14	0.08	7.1	2.2	570
V340976		2.76	13.70	0.16	1.0	0.174	2.62	29.9	45.5	0.93	1110	2.19	0.04	6.7	2.2	510
V340977		4.75	13.90	0.16	1.1	0.895	3.06	26.4	15.1	0.76	1790	2.97	0.03	6.5	2.2	520
V340978		3.65	14.75	0.17	1.2	0.588	2.70	29.0	132.0	0.77	1060	6.77	0.03	7.1	2.2	560
V340979		4.51	9.82	0.13	0.8	1.895	1.97	18.9	66.8	0.56	1300	4.09	0.02	4.7	2.3	350
V340980		2.63	14.70	0.17	1.0	0.122	2.30	24.3	248	0.75	938	3.89	0.05	7.0	1.9	550
V340981		8.96	12.90	0.13	0.8	1.520	2.59	17.4	15.0	0.65	2290	15.15	0.06	4.6	13.8	430
V340982		2.97	15.85	0.16	1.2	0.048	2.55	20.7	43.4	0.60	703	2.86	0.10	8.1	2.2	620
V340983		3.32	16.00	0.18	1.1	0.111	2.22	26.9	35.6	0.70	932	1.44	0.05	7.5	2.7	630
V340984		2.79	16.30	0.17	1.2	0.047	2.41	26.5	39.3	0.44	754	1.37	0.08	8.3	2.2	610
V340985		2.69	16.40	0.18	1.1	0.047	2.79	22.9	36.1	0.37	547	3.37	0.13	8.1	1.9	590
V340986		3.04	14.85	0.18	1.1	0.130	2.83	22.9	20.0	0.59	911	1.32	0.79	7.3	2.4	570



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Project: Klaza

CERTIFICATE OF ANALYSIS WH17147683

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V340951		245	169.0	<0.002	2.36	15.20	12.9	1	3.9	98.2	0.59	0.05	13.55	0.262	3.08	5.0
V340952		48.6	124.0	<0.002	0.59	5.82	10.4	1	2.7	178.0	0.57	0.07	12.05	0.237	2.52	4.0
V340953		762	131.0	<0.002	0.11	35.5	9.1	1	2.4	85.4	0.52	<0.05	12.35	0.222	2.78	5.5
V340954		807	145.0	<0.002	0.11	39.3	10.2	1	2.7	94.2	0.58	<0.05	13.85	0.228	3.00	6.0
V340955		144.5	141.0	<0.002	0.07	37.5	11.5	1	2.9	90.5	0.67	<0.05	15.65	0.266	2.09	3.6
V340956		481	148.5	<0.002	0.12	38.2	10.7	1	3.4	100.0	0.74	<0.05	15.60	0.278	2.44	4.2
V340957		5590	162.5	<0.002	1.04	90.5	8.3	1	3.2	34.1	0.55	<0.05	12.15	0.217	3.25	9.2
V340958		9.8	1.3	<0.002	<0.01	0.26	0.3	1	<0.2	55.9	<0.05	<0.05	0.10	<0.005	<0.02	0.4
V340959		829	159.0	<0.002	0.26	23.5	10.5	1	3.0	70.8	0.68	<0.05	14.20	0.255	2.84	6.8
V340960		213	136.0	<0.002	0.54	14.35	9.4	1	2.1	136.0	0.69	0.06	14.95	0.244	1.74	4.8
V340961		31.5	113.5	<0.002	0.04	2.66	9.4	1	1.7	288	0.69	<0.05	14.20	0.238	1.21	2.5
V340962		1995	131.5	<0.002	0.99	8.81	10.9	1	3.1	232	0.74	<0.05	14.60	0.258	1.65	3.4
V340963		207	134.5	<0.002	0.02	26.9	10.5	1	1.8	113.5	0.61	<0.05	14.75	0.252	2.05	4.3
V340964		729	169.0	<0.002	2.64	12.85	9.5	1	3.0	111.5	0.59	0.17	13.45	0.226	2.54	4.1
V340965		1345	148.5	<0.002	3.09	33.6	8.6	1	5.5	151.5	0.60	0.26	11.70	0.211	2.38	4.9
V340966		867	196.5	<0.002	2.82	27.0	9.2	1	4.3	69.8	0.54	0.09	12.95	0.217	2.95	4.1
V340967		43.0	115.0	<0.002	0.23	4.08	8.3	1	2.3	269	0.62	<0.05	10.35	0.240	1.46	3.2
V340968		18.2	104.0	<0.002	0.09	2.07	9.3	1	2.2	365	0.65	<0.05	11.45	0.252	1.15	3.8
V340969		17.0	108.0	<0.002	0.09	1.92	9.7	1	2.3	372	0.65	<0.05	12.25	0.249	1.09	3.9
V340970		524	156.0	<0.002	1.83	10.20	9.2	1	3.4	145.5	0.59	0.22	11.70	0.217	2.19	4.5
V340971		1625	165.0	0.002	2.07	23.2	8.1	1	6.2	237	0.61	0.07	11.95	0.248	2.33	3.9
V340972		7.4	1.8	<0.002	0.01	0.13	0.2	1	<0.2	47.8	<0.05	<0.05	0.16	<0.005	0.02	0.5
V340973		106.5	195.0	<0.002	2.22	5.45	9.1	1	3.2	95.5	0.53	0.21	12.80	0.208	2.68	3.3
V340974		143.5	122.5	<0.002	1.05	12.85	8.5	1	2.9	161.0	0.58	0.17	11.30	0.220	2.02	4.0
V340975		365	125.5	<0.002	0.36	12.40	8.7	1	2.8	135.5	0.60	<0.05	11.50	0.236	1.96	4.1
V340976		142.0	116.0	<0.002	0.85	16.95	8.5	1	2.3	153.5	0.55	0.09	11.00	0.217	1.95	4.9
V340977		2440	171.5	<0.002	3.25	92.9	8.4	1	4.8	74.7	0.55	0.14	11.35	0.210	2.47	5.6
V340978		4730	138.0	<0.002	1.88	29.8	9.7	1	4.7	120.0	0.61	0.11	12.05	0.229	1.86	5.1
V340979		>10000	119.0	<0.002	3.92	135.5	6.4	1	6.0	83.4	0.39	0.14	8.97	0.151	1.69	7.5
V340980		76.6	105.0	<0.002	0.32	19.25	9.3	1	2.9	179.0	0.61	0.05	11.70	0.225	1.67	3.9
V340981		1635	142.0	0.002	7.67	105.5	7.5	1	10.3	62.0	0.38	0.74	8.11	0.162	2.05	5.0
V340982		30.5	87.6	<0.002	0.32	14.05	10.2	1	3.2	108.0	0.69	<0.05	11.25	0.259	1.14	2.3
V340983		169.0	103.5	<0.002	1.15	17.30	10.9	1	2.5	66.0	0.60	0.35	11.80	0.255	1.65	3.1
V340984		15.9	102.0	<0.002	0.29	20.8	10.8	1	2.2	70.9	0.69	0.05	13.50	0.264	1.07	2.2
V340985		16.5	110.5	<0.002	0.38	12.40	10.8	1	2.3	84.9	0.69	0.09	12.40	0.257	1.15	2.4
V340986		155.5	123.0	<0.002	1.14	6.46	9.1	1	2.7	153.0	0.61	0.19	10.30	0.233	1.98	4.9



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147683

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	Au-AA24 Au ppm 0.005
V340951		78	3.9	15.8	297	29.9	0.368
V340952		65	3.0	14.3	58	27.6	0.008
V340953		64	4.3	16.2	1900	31.1	0.184
V340954		65	4.7	18.5	1960	31.7	0.224
V340955		69	5.9	17.6	1520	37.5	0.011
V340956		71	4.6	19.0	2910	44.4	0.008
V340957		59	5.4	12.9	2940	31.4	0.552
V340958		2	0.1	0.9	32	<0.5	<0.005
V340959		69	4.4	17.1	2670	35.6	0.095
V340960		66	3.0	14.4	1990	29.8	0.018
V340961		63	3.0	15.8	773	36.4	<0.005
V340962		71	5.4	17.6	2480	37.5	0.113
V340963		69	3.6	17.0	1280	33.8	0.069
V340964		62	6.1	13.7	2800	31.6	0.285
V340965		58	5.1	11.8	2990	41.5	0.789
V340966		60	2.9	12.8	1460	28.0	0.226
V340967		66	1.3	13.6	284	30.0	0.007
V340968		70	0.7	16.1	97	30.4	<0.005
V340969		68	0.7	16.6	83	30.0	<0.005
V340970		58	2.1	11.7	798	27.4	0.154
V340971		58	4.6	9.8	2480	83.5	0.111
V340972		2	0.1	0.8	20	0.6	<0.005
V340973		64	1.9	11.3	225	29.7	0.047
V340974		63	3.0	14.7	315	30.2	0.039
V340975		65	5.0	13.8	803	30.5	0.014
V340976		61	3.7	15.1	346	31.8	0.028
V340977		59	4.7	12.7	3280	31.4	0.375
V340978		63	3.3	15.3	3430	33.8	0.078
V340979		45	3.0	10.2	8270	23.4	0.426
V340980		64	3.9	14.4	214	32.2	0.012
V340981		55	7.1	8.8	3390	22.1	1.685
V340982		71	3.9	15.8	80	37.4	<0.005
V340983		73	3.3	17.6	325	33.4	0.016
V340984		66	4.6	16.2	55	35.0	<0.005
V340985		69	4.6	15.9	46	34.2	<0.005
V340986		63	2.2	13.7	413	35.4	0.054



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17147683

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
ME-OG62	Pb-OG62	PUL-31
PUL-QC	SPL-21	SPL-21d

CRU-QC
ME-MS61
PUL-31d
WEI-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE WH17147686

Project: Klaza

P.O. No.: 17-048

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147686

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V341069		2.32	27.4	7.12	340	190	1.43	90.1	1.92	15.30	46.2	7.4	17	12.10	2440	6.30
V341070		5.06	2.48	7.42	49.1	2000	1.46	4.24	2.37	2.12	48.2	20.1	20	10.70	78.4	3.56
V341071		9.08	0.21	7.49	20.3	2080	1.51	1.20	2.82	0.18	45.6	51.9	18	8.98	19.4	3.87
V341072		<0.02	0.18	7.77	21.2	1830	1.54	1.28	2.85	0.12	51.8	60.6	19	8.96	16.7	4.24
V341073		2.48	27.3	6.78	362	420	1.50	45.5	1.84	19.40	57.6	15.8	18	19.00	393	4.63
V341074		12.50	0.25	7.35	13.4	2200	1.72	0.58	2.39	0.22	40.9	10.6	13	25.7	34.9	3.57
V341075		5.78	0.19	7.57	13.4	2230	1.30	0.72	1.95	0.42	42.7	8.7	14	27.6	25.5	3.27
V341076		4.98	0.54	7.55	48.5	1530	1.71	1.10	1.47	0.70	52.4	8.1	13	27.8	33.4	3.82
V341077		4.36	0.64	6.92	118.0	1160	1.52	1.45	1.95	0.49	53.2	7.3	15	15.95	27.5	3.71
V341078		10.20	0.34	6.99	8.2	2170	1.58	1.61	2.60	0.12	34.8	6.3	18	25.5	25.8	3.34
V341079		4.98	1.12	7.00	104.5	450	1.53	3.51	2.09	0.28	45.4	14.5	12	22.1	43.8	4.42
V341080		0.34	40.8	5.78	2580	180	1.16	36.6	1.69	46.1	36.4	16.4	22	9.97	1190	9.23
V341081		4.72	1.56	6.87	278	170	1.41	3.33	2.14	0.85	41.6	12.2	17	11.60	29.2	5.55
V341082		13.24	0.15	7.34	11.2	2100	1.63	1.21	2.69	0.16	43.6	7.5	17	12.15	24.7	3.14
V341083		10.46	1.29	7.37	56.0	1690	1.47	10.65	2.10	1.15	44.3	9.7	17	12.05	153.5	4.47
V341084		4.56	0.63	7.67	31.9	2140	1.62	2.95	2.49	1.98	43.3	9.4	27	13.10	66.4	3.87
V341085		2.58	4.17	6.50	177.5	170	1.47	21.3	2.32	1.89	38.9	10.2	14	18.40	666	6.10
V341086		12.96	0.43	7.24	21.8	2170	1.60	1.65	2.69	1.17	42.3	9.4	16	11.95	46.1	3.46
V341087		14.12	0.37	7.96	19.3	2400	1.73	1.05	2.86	0.20	46.8	9.1	20	8.14	39.4	3.81
V341088		4.90	0.41	7.46	19.7	2250	1.73	1.04	2.62	0.27	43.6	8.8	21	7.69	42.8	3.47
V341089		3.78	0.26	7.76	12.5	2120	1.38	0.71	2.04	0.18	43.0	6.7	23	11.45	27.3	3.01
V341090		3.84	0.63	7.52	290	490	1.60	1.97	2.13	0.29	42.4	28.8	17	25.9	15.6	4.08
V341091		4.20	4.04	7.62	1170	2240	1.71	0.92	0.16	30.7	73.4	6.9	15	28.9	84.5	4.83
V341092		0.34	12.30	6.66	1635	260	1.37	11.90	1.88	34.1	47.3	17.1	20	14.30	297	6.68
V341093		5.32	1.05	8.34	322	2010	1.79	0.20	0.25	27.8	49.5	8.0	12	25.7	38.2	3.62
V341094		8.86	1.32	9.63	351	2140	2.27	0.82	0.54	21.4	72.0	14.0	11	31.6	25.9	5.97
V341095		6.04	0.02	0.05	2.3	30	0.08	0.03	21.8	0.16	1.29	0.6	2	0.21	2.7	0.47
V341096		8.14	0.94	8.26	205	2490	1.54	0.46	1.01	10.40	71.5	7.5	12	25.6	21.8	3.53
V341097		7.04	0.99	7.28	352	1930	1.69	0.60	0.87	14.20	54.5	5.0	16	17.90	56.7	4.79
V341098		5.34	1.87	6.30	557	620	1.42	1.18	1.71	76.4	46.5	6.5	15	17.70	37.8	4.51
V341099		4.74	1.84	5.65	181.5	1080	1.23	0.49	2.61	24.6	34.5	5.5	23	17.05	36.5	2.89
V341100		4.44	1.24	8.25	377	2530	1.61	0.84	0.77	52.5	42.3	7.4	23	12.65	86.3	3.17
V341101		6.10	0.68	8.31	370	1390	1.70	0.70	0.35	40.0	48.9	12.3	18	9.10	27.1	3.35
V341102		9.04	1.06	8.39	271	2710	1.79	0.75	0.31	37.9	71.7	12.1	16	11.90	22.1	3.46
V341103		5.98	0.01	0.06	1.9	30	0.06	0.02	21.5	0.29	1.42	0.7	1	0.18	1.8	0.46
V341104		4.40	0.76	8.29	94.7	1260	1.71	0.32	0.95	28.3	60.1	4.0	15	20.7	17.7	3.49



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147686

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V341069		15.85	0.17	1.0	1.410	2.90	24.4	15.9	0.69	666	1.69	0.68	6.7	2.7	570
V341070		16.10	0.18	1.2	0.103	2.85	25.6	11.7	0.74	608	3.34	1.78	7.6	3.5	600
V341071		16.15	0.17	1.0	0.067	2.65	24.4	10.8	0.75	583	2.43	2.05	7.5	3.9	640
V341072		16.35	0.20	1.2	0.072	2.74	28.1	10.6	0.78	608	2.34	2.06	7.5	4.8	650
V341073		15.30	0.19	1.0	0.517	3.01	32.4	10.8	0.84	966	3.22	0.05	6.7	3.2	530
V341074		16.20	0.16	1.0	0.063	2.45	20.3	18.1	0.71	460	2.73	1.59	8.2	3.6	680
V341075		17.35	0.16	1.0	0.061	2.47	21.3	46.6	0.64	593	3.36	0.24	8.6	3.1	670
V341076		16.70	0.20	1.0	0.129	2.96	27.3	20.6	0.63	646	3.90	0.22	8.2	3.3	640
V341077		15.25	0.18	1.0	0.105	2.85	28.3	25.6	0.64	706	1.57	0.30	7.1	2.6	570
V341078		15.60	0.17	1.0	0.074	2.71	17.3	16.5	0.72	483	2.30	1.34	7.7	3.4	590
V341079		15.55	0.18	0.9	0.133	3.12	24.6	15.3	0.64	698	2.93	0.58	6.6	2.9	590
V341080		13.35	0.14	0.8	1.565	2.66	18.4	14.6	0.68	2360	15.70	0.06	4.8	14.1	450
V341081		16.15	0.15	1.0	0.151	3.02	21.0	10.8	0.85	614	2.69	0.52	6.0	3.7	570
V341082		16.45	0.16	1.0	0.086	2.57	22.1	12.9	0.81	463	3.41	2.22	8.1	3.1	630
V341083		16.25	0.17	1.0	0.121	2.87	23.4	17.6	0.78	546	6.06	1.06	7.6	3.7	620
V341084		16.65	0.19	1.0	0.119	3.13	22.0	19.4	0.78	547	4.63	1.18	7.9	3.4	620
V341085		14.80	0.11	0.9	0.265	2.65	19.9	24.7	0.54	686	2.35	0.10	6.7	6.9	540
V341086		15.70	0.13	1.0	0.074	2.87	21.7	14.4	0.76	665	9.69	1.76	7.6	3.9	590
V341087		17.25	0.14	1.1	0.076	2.97	24.3	13.9	0.92	661	4.13	2.17	8.6	4.1	680
V341088		16.90	0.14	1.0	0.083	2.87	22.4	13.4	0.86	603	5.68	2.00	8.2	3.1	630
V341089		17.40	0.14	1.2	0.097	2.85	21.7	20.7	0.42	514	2.86	0.74	8.6	2.8	690
V341090		16.30	0.13	0.9	0.089	2.77	22.0	22.0	0.60	668	5.77	0.27	7.7	4.0	630
V341091		16.20	0.14	1.0	0.490	3.07	50.4	35.6	0.21	1980	6.17	0.03	7.5	4.2	460
V341092		14.95	0.14	1.0	0.826	2.96	25.0	19.3	0.76	1860	8.63	0.13	6.5	13.0	530
V341093		17.50	0.12	1.0	0.225	3.64	27.5	14.2	0.21	3500	4.77	0.03	8.2	2.7	620
V341094		25.6	0.16	0.9	0.426	4.59	44.4	18.0	0.37	1440	5.17	0.04	6.7	6.8	600
V341095		0.23	0.09	<0.1	0.006	0.03	0.7	1.1	13.40	214	0.12	<0.01	0.1	1.2	180
V341096		17.75	0.13	1.0	0.119	3.33	42.3	71.5	0.45	1070	4.71	0.06	7.7	2.3	610
V341097		15.10	0.13	0.9	0.413	2.68	31.7	112.5	0.53	1820	2.10	0.03	7.0	2.2	560
V341098		14.05	0.13	0.8	0.769	2.74	26.8	43.8	0.79	3080	4.15	0.02	6.1	1.9	470
V341099		11.85	0.12	0.7	0.248	2.49	19.5	66.6	1.00	1870	8.73	0.03	5.0	1.8	410
V341100		16.65	0.13	1.2	0.298	3.59	23.6	44.9	0.48	1140	6.19	0.04	7.7	1.7	630
V341101		17.15	0.12	1.0	0.105	2.87	28.5	43.9	0.32	682	5.13	0.04	6.9	2.9	640
V341102		18.05	0.15	1.0	0.295	3.40	43.8	40.8	0.28	681	3.84	0.05	6.4	2.6	650
V341103		0.25	0.13	<0.1	0.007	0.03	0.7	1.1	13.30	217	0.14	<0.01	0.2	1.0	210
V341104		16.45	0.16	1.0	0.119	3.27	35.8	103.0	0.46	1660	1.68	0.06	7.7	1.7	620



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17147686

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V341069		148.5	<0.002	4.64	30.9	9.7	1	10.8	137.0	0.54	1.84	11.55	0.230	1.56	4.1	64
V341070		115.0	<0.002	0.92	5.76	10.1	1	4.0	297	0.64	1.26	12.50	0.246	1.23	3.9	69
V341071		94.0	<0.002	1.34	2.92	10.1	1	2.3	369	0.54	0.42	11.55	0.259	1.04	3.3	72
V341072		101.0	<0.002	1.57	2.83	10.4	1	2.5	371	0.56	0.57	12.40	0.264	1.15	3.5	73
V341073		166.0	<0.002	2.86	32.1	9.3	2	6.9	54.4	0.57	0.77	12.75	0.211	2.03	4.8	60
V341074		89.7	<0.002	0.23	6.30	11.1	1	2.1	324	0.63	0.07	10.35	0.285	1.16	3.1	80
V341075		82.5	<0.002	0.25	16.50	11.2	1	3.3	147.5	0.65	0.15	12.35	0.286	1.21	3.0	78
V341076		136.5	<0.002	1.05	7.99	11.2	1	5.3	105.0	0.67	0.16	12.75	0.271	1.86	3.9	75
V341077		141.0	<0.002	1.91	7.29	10.0	1	5.6	130.0	0.59	0.14	12.05	0.229	2.00	3.6	66
V341078		88.3	<0.002	0.15	6.51	9.6	1	1.9	286	0.60	0.11	10.30	0.258	1.30	3.3	70
V341079		145.5	<0.002	2.74	6.95	9.6	1	5.6	163.0	0.53	0.64	10.65	0.223	2.02	3.7	66
V341080		147.0	0.003	7.93	103.0	8.0	1	10.7	63.6	0.40	0.70	8.66	0.167	2.13	5.1	57
V341081		159.0	<0.002	4.35	6.96	10.4	1	8.7	140.5	0.49	0.74	9.61	0.213	1.97	6.8	73
V341082		87.7	<0.002	0.26	1.69	10.5	1	2.3	390	0.69	0.26	11.90	0.267	1.16	3.9	73
V341083		122.0	0.002	1.56	2.89	10.7	1	6.0	216	0.64	0.27	11.65	0.249	1.50	3.9	73
V341084		136.0	<0.002	1.03	3.03	10.9	1	5.9	243	0.68	0.22	12.40	0.255	1.64	4.6	72
V341085		124.0	<0.002	3.90	55.2	8.6	1	10.2	82.7	0.57	1.46	10.45	0.213	1.95	5.0	64
V341086		98.3	0.004	0.54	2.10	9.3	1	3.2	329	0.65	0.11	11.55	0.248	1.38	4.1	70
V341087		107.0	<0.002	0.61	1.60	11.0	1	3.5	384	0.69	0.10	12.40	0.287	1.23	4.4	80
V341088		104.0	<0.002	0.56	1.55	10.2	1	4.2	353	0.67	0.08	10.75	0.266	1.25	3.9	76
V341089		102.0	<0.002	0.28	6.80	10.9	1	3.3	186.5	0.69	0.12	11.25	0.290	1.40	3.1	80
V341090		105.0	<0.002	2.21	9.66	10.1	1	3.0	107.5	0.58	0.30	11.70	0.259	1.89	6.5	74
V341091		181.0	<0.002	0.24	34.1	11.6	1	2.9	94.1	0.58	<0.05	13.75	0.234	3.43	8.0	66
V341092		166.5	<0.002	4.70	66.7	9.0	1	8.1	97.2	0.52	1.09	10.95	0.208	2.45	5.0	64
V341093		185.0	<0.002	0.17	17.65	10.9	1	2.5	63.3	0.63	<0.05	13.90	0.260	3.34	6.8	73
V341094		236	<0.002	1.31	20.8	10.1	1	2.2	82.1	0.56	0.09	11.75	0.220	3.82	5.8	123
V341095		1.6	<0.002	<0.01	0.16	0.2	<1	<0.2	47.1	<0.05	<0.05	0.10	<0.005	0.03	0.5	2
V341096		161.0	<0.002	0.43	24.9	9.5	1	3.2	136.5	0.61	<0.05	12.95	0.247	2.77	4.5	78
V341097		163.0	<0.002	0.51	25.1	8.9	1	2.4	101.5	0.55	<0.05	12.60	0.226	2.67	3.9	63
V341098		165.5	0.002	1.11	46.5	8.2	1	3.7	130.0	0.48	<0.05	10.35	0.198	2.70	3.9	59
V341099		149.0	<0.002	0.65	82.4	6.9	1	2.2	120.5	0.41	<0.05	9.40	0.172	2.52	4.7	51
V341100		213	<0.002	0.71	27.5	10.0	1	2.5	59.7	0.62	0.05	13.20	0.253	2.99	5.7	74
V341101		169.5	<0.002	0.62	27.5	10.0	1	1.8	55.1	0.52	0.07	13.70	0.229	2.12	4.5	68
V341102		183.0	<0.002	0.68	22.2	10.5	1	1.9	44.4	0.50	0.07	14.35	0.221	2.47	4.9	78
V341103		1.7	<0.002	<0.01	0.18	0.2	1	<0.2	49.0	<0.05	<0.05	0.15	<0.005	0.02	0.6	2
V341104		166.5	<0.002	0.47	16.90	9.7	1	2.2	131.0	0.61	<0.05	14.25	0.257	2.57	5.9	71



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147686

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V341069		4.2	14.0	1280	29.5	3.24
V341070		2.6	15.7	215	37.7	0.060
V341071		1.5	15.2	56	31.7	0.022
V341072		1.5	15.6	54	34.6	0.039
V341073		4.6	13.5	1310	29.2	0.611
V341074		2.2	14.2	47	27.2	0.008
V341075		8.2	15.3	56	28.8	0.008
V341076		4.6	15.5	89	28.8	0.028
V341077		4.4	13.3	62	27.8	0.085
V341078		2.0	12.6	40	30.2	0.010
V341079		4.2	12.7	43	26.8	0.168
V341080		7.2	9.0	3480	22.9	1.735
V341081		6.4	12.7	89	26.3	0.254
V341082		2.3	16.1	37	28.9	0.011
V341083		2.7	15.1	119	27.5	0.086
V341084		3.1	15.9	179	26.8	0.097
V341085		4.7	14.1	179	21.4	3.22
V341086		1.6	14.7	112	27.3	0.079
V341087		1.7	18.1	53	27.3	0.081
V341088		1.9	16.7	55	25.8	0.058
V341089		2.3	15.6	45	29.8	0.013
V341090		2.5	16.1	50	21.9	0.038
V341091		6.5	23.5	1820	29.2	0.328
V341092		5.9	11.3	2480	29.8	0.874
V341093		3.5	16.2	2100	27.6	0.049
V341094		3.5	16.2	1920	25.2	0.082
V341095		0.2	0.8	21	<0.5	<0.005
V341096		4.1	16.5	1060	26.2	0.018
V341097		4.9	13.6	1190	22.3	0.151
V341098		5.5	11.6	5170	20.2	0.812
V341099		3.9	9.9	2110	19.4	0.082
V341100		3.5	11.6	2890	33.6	0.024
V341101		2.1	13.1	2900	29.9	0.104
V341102		2.3	15.4	2740	28.5	0.316
V341103		0.1	1.1	27	<0.5	<0.005
V341104		2.7	15.3	1820	28.5	0.008



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
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CERTIFICATE OF ANALYSIS WH17147686

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

CERTIFICATE WH17147697

Project: Klaza

P.O. No.: R04

This report is for 2 Rock samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

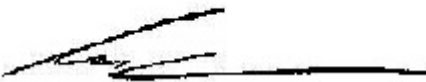
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17147697

Sample Description	Method Analyte Units LOR	WEI-21	Au-GRA22	Ag-OG62	Pb-OG62	Ag-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Pb %	Ag ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm
		0.02	0.05	1	0.001	5	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1
V341988		0.38		118			>100	4.32	3470	170	1.00	0.09	0.04	9.86	41.6	0.6
V341989		0.20	12.10	>1500	3.45	2360	>100	3.72	8060	1600	0.56	0.52	0.03	8.22	28.4	0.8



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147697

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
		Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
V341988		1	0.05	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
V341989		4	6.70	135.5	8.19	8.87	0.11	1.5	0.035	1.91	23.4	21.7	0.18	85	7.96	0.03
		10	5.20	698	8.19	8.25	0.08	1.5	0.148	1.74	16.5	36.2	0.16	57	13.05	0.03



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17147697

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
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
V341988		0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
V341989		3.6	1.5	210	6850	105.5	<0.002	0.13	112.0	2.2	1	7.5	13.2	0.30	<0.05	13.70
		3.4	1.1	560	>10000	88.8	<0.002	1.20	669	2.4	1	15.2	49.0	0.24	<0.05	8.35



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 27-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17147697

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		Ti	Ti	U	V	W	Y	Zn	Zr	Au
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
V341988		0.073	1.13	8.4	22	1.9	5.9	1870	46.6	3.78
V341989		0.104	1.09	6.1	30	1.3	3.5	1600	55.8	>10.0



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 27-AUG-2017
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CERTIFICATE OF ANALYSIS WH17147697

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag-GRA21 Ag-OG62 Au-AA24
BAG-06 CRU-31 LOG-21
ME-OG62 Pb-OG62 PUL-31
SPL-21 WEI-21

Au-GRA22
ME-MS61
PUL-QC



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Page: 1
Total # Pages: 2 (A)
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Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE WH17148402

Project: Klaza

This report is for 4 Rock samples submitted to our lab in Whitehorse, YT, Canada on 19-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
SCR-21	Screen 1kg to 106 to 106um
PUL-32m	Pulverize 500g - 85% < 75um
SPL-21	Split sample - riffle splitter
FND-03	Find Reject for Addn Analysis
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-SCR21	Screen Fire Assay Ag - 100 um	WST-SIM
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
Ag-GRA21d	Ag 30g FA-GRAV finish - DUP	WST-SIM

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17148402

Sample Description	Method Analyte Units LOR	Ag-SCR21	Ag-SCR21	Ag-SCR21	Ag-SCR21	Ag-SCR21	Ag-GRA21	Ag-GRA21d
		Ag Total	Ag (+) F	Ag (-) F	WT. + Fr	WT. - Fr	Ag	Ag
		ppm 5	ppm 5	ppm 5	g 0.01	g 0.1	ppm 5	ppm 5
V341979		1600	1690	1590	108.25	905.1	1600	1580
V341980		2040	2060	2030	93.02	237.2	2030	2030
V341981		2150	2140	2160	84.77	229.4	2160	2160
V341982		1740	1425	1835	231.7	755.2	1825	1845



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
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CERTIFICATE OF ANALYSIS WH17148402

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
FND-03

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag-GRA21 Ag-GRA21d Ag-SCR21 BAG-01
PUL-32 PUL-32m SCR-21 SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE WH17149362

Project: Klaza

P.O. No.: 17-030

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17149362

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V339649		6.14	0.16	7.11	11.1	1330	1.50	0.24	3.04	0.28	38.0	4.7	10	13.00	6.0	2.38
V339650		3.96	0.03	6.94	9.6	1110	1.63	0.11	3.69	0.20	44.8	6.1	9	20.4	5.5	2.68
V339651		1.48	0.05	7.14	9.8	1230	1.71	0.12	3.88	0.10	47.6	6.7	10	21.3	7.7	2.74
V339652		1.94	0.37	7.09	25.2	780	1.52	0.41	2.83	2.14	44.8	5.2	9	24.6	19.6	2.42
V339653		6.02	0.01	0.06	<0.2	100	<0.05	0.01	21.7	0.05	1.06	1.0	1	0.20	3.0	0.48
V339654		2.02	0.84	7.36	53.9	1410	2.06	0.72	2.06	3.49	62.8	6.4	10	33.4	38.1	2.31
V339655		6.96	0.09	7.08	33.9	1550	1.92	0.10	2.07	0.24	66.0	5.9	18	21.6	12.9	2.54
V339656		3.72	0.53	7.32	43.1	3440	1.85	0.38	2.36	2.46	61.2	6.6	16	18.70	13.0	2.73
V339657		2.90	0.67	7.00	28.8	920	1.74	0.73	2.67	2.25	46.6	3.8	14	22.0	6.6	2.64
V339658		2.16	21.9	6.53	524	800	1.66	18.50	1.44	11.00	52.3	11.9	8	19.55	1265	5.44
V339659		4.88	3.33	6.69	636	1080	1.51	4.73	2.15	4.03	47.9	5.0	9	19.65	60.6	4.00
V339660		0.32	9.62	6.91	1875	830	1.64	6.32	2.02	43.3	44.5	17.9	22	17.30	112.5	5.50
V339661		8.22	0.24	7.19	41.1	1770	1.68	0.24	3.00	1.25	34.4	3.4	10	14.75	5.6	2.96
V339662		2.50	10.60	6.22	616	510	1.45	11.15	4.02	24.1	38.7	5.0	10	17.75	299	4.32
V339663		6.02	0.03	0.08	0.5	130	0.07	0.03	21.8	0.10	1.30	1.1	1	0.19	2.8	0.48
V339664		5.62	0.46	7.34	24.0	1080	1.52	0.20	2.04	0.98	41.4	2.1	12	10.90	10.1	2.92
V339665		2.56	7.14	6.73	288	360	1.41	5.95	1.96	58.3	44.9	7.8	10	13.05	255	6.03
V339666		3.18	0.08	7.07	7.7	2230	1.49	0.09	2.67	0.19	42.4	5.5	11	11.80	7.6	2.90
V339667		1.92	0.27	6.82	41.9	1450	1.56	0.13	2.82	0.18	44.2	5.5	11	24.4	7.3	2.80
V339668		<0.02	0.30	7.34	45.2	1560	1.76	0.14	3.01	0.20	47.9	6.2	13	26.1	8.2	3.01
V339669		4.92	0.12	7.50	11.0	2460	1.65	0.13	2.52	0.15	45.6	8.6	11	12.45	4.5	3.15
V339670		1.82	1.13	6.57	285	1330	1.44	0.64	3.18	6.23	40.2	9.4	19	12.65	25.2	3.48
V339671		4.58	13.65	7.50	385	1040	1.57	19.30	3.46	71.3	61.7	12.3	42	24.4	285	6.54
V339672		4.06	0.75	7.70	24.3	1730	1.30	0.84	4.56	1.40	69.8	12.0	42	20.2	19.8	6.11
V339673		4.20	4.29	6.34	2740	190	1.51	1.55	3.29	46.0	65.4	12.7	33	17.85	55.5	9.18
V339674		3.74	0.23	7.66	17.2	1670	1.15	0.26	5.32	0.43	77.6	14.5	46	14.45	14.8	5.49
V339675		4.86	0.33	7.28	51.5	940	1.63	0.49	2.80	0.77	49.6	10.0	11	27.8	18.3	2.80
V339676		2.72	3.03	6.81	105.0	530	1.46	2.64	2.23	54.5	53.0	28.9	21	16.15	88.0	5.05
V339677		0.32	42.4	5.90	2550	1130	1.19	37.1	1.73	46.0	37.3	16.6	23	10.15	1190	9.46
V339678		4.34	0.27	6.94	25.9	3410	1.63	0.36	2.70	0.34	42.8	10.9	14	22.1	15.7	2.83
V339679		2.78	5.65	7.23	279	1250	1.49	3.60	2.21	44.0	47.5	6.4	12	17.30	142.0	3.70
V339680		2.82	1.79	7.36	147.0	1640	1.42	2.14	1.82	9.62	49.8	7.5	13	13.30	55.1	4.09
V339681		13.36	1.42	6.35	120.5	1120	1.06	3.59	1.82	1.95	36.7	11.6	12	15.10	347	2.50
V339682		9.52	0.91	7.21	33.8	1430	1.55	2.06	1.79	2.39	48.4	5.0	11	14.20	105.0	3.32
V339683		3.50	6.86	7.19	141.0	1910	1.70	10.45	2.75	3.38	47.7	9.0	10	30.1	449	3.32
V339684		3.10	0.50	7.72	9.3	2250	1.78	1.04	2.21	0.33	46.5	5.6	15	15.85	53.3	3.24



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
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Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17149362

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V339649		16.80	0.14	1.5	0.056	2.82	17.7	45.2	0.76	900	0.77	0.07	6.9	2.4	600
V339650		18.15	0.13	3.3	0.033	2.87	22.5	40.6	1.03	604	0.66	0.06	9.6	3.9	760
V339651		18.95	0.15	3.5	0.034	2.92	24.2	42.1	1.09	631	0.68	0.06	9.9	4.2	770
V339652		16.80	0.14	1.8	0.084	2.69	23.1	33.2	0.85	686	0.63	0.07	7.9	2.5	620
V339653		0.28	0.10	<0.1	0.007	0.02	0.5	1.1	13.30	214	0.10	<0.01	0.1	1.7	170
V339654		17.75	0.12	2.2	0.130	2.76	32.5	43.3	0.70	806	1.14	0.06	9.5	3.2	810
V339655		18.35	0.12	4.3	0.033	2.22	33.6	78.9	0.83	602	1.02	0.05	10.2	5.2	1200
V339656		17.55	0.14	2.7	0.080	2.36	31.7	101.0	0.90	939	1.96	0.04	9.1	5.3	980
V339657		15.00	0.15	1.0	0.100	3.09	24.8	22.3	0.93	2870	1.90	0.04	8.4	2.2	490
V339658		14.85	0.13	1.3	0.733	2.76	28.8	20.6	0.64	1100	2.60	0.04	6.9	3.4	530
V339659		14.90	0.10	0.9	0.216	2.79	25.8	50.8	0.87	1580	4.71	0.04	6.7	2.5	500
V339660		15.60	0.14	1.4	0.973	3.01	23.3	26.1	0.75	2070	13.05	0.28	7.6	16.2	520
V339661		16.30	0.07	1.1	0.137	3.15	16.6	84.4	0.71	830	0.90	0.20	7.4	2.0	560
V339662		14.10	0.12	1.0	0.470	2.67	20.3	67.0	0.89	2050	9.71	0.05	5.7	2.5	470
V339663		0.29	0.08	<0.1	0.006	0.03	0.7	1.2	13.55	203	0.14	0.01	0.2	2.0	190
V339664		15.60	0.10	1.0	0.110	3.08	19.6	71.4	0.74	1490	1.10	0.07	7.1	2.2	590
V339665		14.30	0.08	0.9	1.910	3.02	23.3	29.2	0.71	1540	1.47	0.49	6.7	2.2	510
V339666		15.90	0.11	1.1	0.043	2.69	21.6	22.2	0.69	452	1.36	2.19	8.0	4.0	570
V339667		15.15	0.11	1.0	0.035	3.15	23.3	34.5	0.89	1020	1.06	0.47	7.4	2.3	540
V339668		16.10	0.14	1.0	0.039	3.35	25.2	36.3	0.96	1090	1.22	0.50	7.9	2.4	560
V339669		16.85	0.14	1.1	0.039	2.98	23.6	17.7	0.69	531	1.80	2.14	8.4	2.4	600
V339670		15.25	0.12	0.9	0.090	3.16	20.3	23.6	0.60	1740	3.42	0.72	7.1	2.3	540
V339671		18.90	0.13	2.3	3.48	2.15	32.0	71.7	1.46	2190	5.86	0.19	6.1	3.3	1080
V339672		19.10	0.13	2.5	0.103	2.45	33.8	35.2	2.33	1880	0.46	1.12	6.4	3.1	1110
V339673		17.35	0.14	1.8	0.503	2.81	31.6	17.2	1.43	4260	2.99	0.08	5.4	2.9	1000
V339674		20.3	0.13	2.5	0.073	1.77	40.9	21.0	2.64	1080	0.44	2.26	6.4	3.8	1250
V339675		16.25	0.12	0.9	0.058	2.71	27.2	162.5	0.94	775	0.71	0.11	7.9	3.1	580
V339676		14.70	0.12	1.3	1.350	2.96	26.6	60.1	0.94	2220	0.87	0.05	5.7	3.1	670
V339677		13.35	0.09	0.8	1.555	2.71	21.0	15.8	0.71	2350	15.95	0.06	4.6	14.5	450
V339678		15.50	0.10	0.9	0.047	3.30	23.8	54.5	0.85	1280	1.32	0.08	7.3	2.3	550
V339679		15.20	0.11	0.9	0.881	3.13	25.7	92.0	0.73	1580	1.44	0.07	7.0	2.2	570
V339680		14.70	0.11	0.9	0.286	3.37	27.9	30.7	0.78	1820	1.55	0.08	7.0	2.2	570
V339681		14.60	0.10	0.7	0.141	3.55	23.6	13.3	0.85	411	11.40	0.77	4.5	2.5	510
V339682		16.30	0.12	0.8	0.160	3.33	28.3	12.6	0.75	454	2.14	1.22	6.3	2.3	560
V339683		16.75	0.10	0.9	0.379	2.76	25.3	32.2	0.87	1060	6.30	0.53	8.4	3.1	600
V339684		16.55	0.12	1.0	0.119	2.99	25.5	18.0	0.78	359	4.01	2.06	8.5	2.7	640



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Page: 2 - C
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CERTIFICATE OF ANALYSIS WH17149362

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V339649		145.5	<0.002	0.27	10.40	9.5	1	2.2	180.0	0.47	<0.05	9.69	0.215	2.27	3.9	60
V339650		85.3	<0.002	0.04	15.50	7.6	<1	1.3	404	0.72	<0.05	7.86	0.280	1.54	3.8	66
V339651		91.2	<0.002	0.03	16.70	7.9	1	1.6	422	0.75	<0.05	8.37	0.289	1.60	4.1	68
V339652		119.5	<0.002	0.41	9.23	8.9	1	2.6	237	0.62	0.06	10.65	0.237	1.85	4.2	62
V339653		1.3	<0.002	<0.01	0.12	0.2	1	<0.2	45.6	<0.05	<0.05	0.07	<0.005	<0.02	0.4	2
V339654		110.5	<0.002	0.38	14.85	10.1	1	4.4	219	0.62	<0.05	9.25	0.307	1.98	5.3	78
V339655		75.2	<0.002	0.07	19.80	6.0	1	1.6	318	0.62	<0.05	8.49	0.339	1.12	4.4	60
V339656		103.0	<0.002	0.43	11.80	8.2	1	2.5	311	0.66	0.05	10.00	0.292	1.72	4.9	65
V339657		165.5	<0.002	0.26	7.57	9.0	1	2.1	183.5	1.06	<0.05	14.15	0.202	2.84	4.3	54
V339658		170.5	<0.002	4.73	88.6	9.1	1	6.0	135.5	0.63	0.71	10.85	0.199	2.46	3.7	59
V339659		160.5	<0.002	1.19	25.3	9.9	1	1.9	98.7	0.52	0.14	12.05	0.202	2.58	6.7	62
V339660		168.5	<0.002	3.25	33.4	9.7	1	5.9	156.5	0.61	0.27	11.40	0.216	2.57	5.1	59
V339661		131.5	<0.002	0.30	6.11	9.8	1	1.7	172.5	0.62	<0.05	10.90	0.231	2.30	4.4	66
V339662		165.0	<0.002	2.65	72.2	8.7	1	3.5	122.5	0.48	0.27	11.10	0.181	2.56	9.0	61
V339663		1.3	<0.002	<0.01	0.31	0.2	1	<0.2	53.7	<0.05	<0.05	0.13	<0.005	0.02	0.7	2
V339664		156.0	<0.002	0.40	10.40	10.3	1	2.9	81.9	0.56	<0.05	11.85	0.223	3.02	5.5	66
V339665		147.5	<0.002	3.93	11.60	9.5	1	3.4	140.5	0.55	0.13	11.05	0.207	2.11	3.9	59
V339666		99.8	<0.002	0.02	2.31	10.3	1	1.2	373	0.64	<0.05	11.15	0.243	1.08	2.8	66
V339667		132.5	<0.002	0.35	5.82	10.1	1	1.5	164.0	0.62	<0.05	11.45	0.227	2.09	5.9	63
V339668		145.5	<0.002	0.39	6.27	10.9	1	1.6	174.0	0.66	<0.05	12.30	0.242	2.27	6.3	67
V339669		119.5	<0.002	0.07	3.58	11.3	1	1.4	354	0.66	<0.05	12.30	0.259	1.32	3.5	69
V339670		136.5	<0.002	1.20	3.98	9.3	1	2.8	158.5	0.56	<0.05	10.20	0.215	2.11	4.9	61
V339671		111.5	<0.002	2.10	51.9	22.8	1	2.3	224	0.37	0.06	6.57	0.444	1.65	3.3	175
V339672		116.5	<0.002	0.47	7.75	24.5	1	1.4	534	0.38	0.05	7.14	0.473	1.63	2.5	184
V339673		173.0	<0.002	6.69	31.4	20.7	1	5.3	133.0	0.30	0.12	5.62	0.397	2.87	3.3	160
V339674		59.1	<0.002	0.18	3.54	26.1	1	1.1	810	0.39	<0.05	6.67	0.517	0.98	2.3	208
V339675		115.0	<0.002	0.69	18.50	10.3	1	1.3	176.0	0.62	0.05	12.50	0.250	2.58	4.0	69
V339676		170.5	<0.002	2.95	15.60	12.1	2	2.5	96.2	0.42	0.09	9.15	0.273	3.01	4.3	92
V339677		151.5	0.003	8.04	104.5	7.9	2	10.2	62.8	0.38	0.78	8.99	0.169	2.34	5.3	56
V339678		139.5	<0.002	0.83	11.45	9.2	1	1.2	201	0.58	0.05	11.70	0.232	3.15	4.0	65
V339679		143.5	<0.002	1.45	25.5	9.6	1	2.4	138.5	0.58	<0.05	12.35	0.230	2.76	3.7	64
V339680		169.0	<0.002	1.12	11.75	10.2	1	4.1	99.4	0.55	0.13	12.55	0.238	2.37	4.8	69
V339681		145.5	<0.002	1.38	18.90	9.9	1	4.5	156.5	0.36	1.46	9.59	0.173	2.54	8.7	77
V339682		157.0	<0.002	1.38	7.27	10.0	1	6.2	268	0.47	0.50	10.95	0.214	2.70	2.9	65
V339683		129.0	0.002	0.85	29.6	10.4	2	4.0	188.5	0.69	1.43	12.90	0.255	2.69	4.9	68
V339684		118.5	<0.002	0.20	2.83	10.6	1	3.3	339	0.64	<0.05	12.35	0.269	1.82	4.4	73



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17149362

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V339649		1.4	12.2	85	50.7	<0.005
V339650		2.3	12.9	72	121.5	<0.005
V339651		2.6	13.6	69	127.5	<0.005
V339652		2.8	12.5	227	62.1	0.017
V339653		0.7	0.8	17	<0.5	<0.005
V339654		4.4	13.9	302	80.0	0.842
V339655		1.4	11.2	92	179.5	<0.005
V339656		3.2	12.3	257	104.0	0.011
V339657		3.5	17.0	272	20.8	0.011
V339658		4.2	12.6	931	39.3	0.489
V339659		4.6	14.8	474	23.9	0.198
V339660		5.4	11.8	3160	39.6	0.790
V339661		1.8	11.8	168	28.4	0.014
V339662		2.6	12.4	2220	32.3	0.412
V339663		0.1	0.9	22	<0.5	<0.005
V339664		2.2	13.1	114	24.8	0.009
V339665		2.4	12.4	5980	24.2	0.278
V339666		0.9	15.8	49	29.2	<0.005
V339667		1.9	15.5	55	25.9	0.006
V339668		2.0	16.7	63	26.7	0.006
V339669		1.2	16.4	48	27.1	<0.005
V339670		1.5	13.3	626	24.0	0.059
V339671		6.4	16.6	4770	77.7	0.186
V339672		2.7	23.3	205	94.8	0.011
V339673		10.9	16.2	3320	66.0	0.839
V339674		0.9	23.3	91	91.3	<0.005
V339675		2.2	14.5	85	28.5	0.015
V339676		5.1	13.6	3600	46.0	0.089
V339677		7.2	9.0	3460	23.7	1.770
V339678		2.3	13.3	57	26.3	0.006
V339679		3.3	13.6	2840	26.0	0.309
V339680		3.4	14.2	1060	26.8	0.032
V339681		3.1	8.1	170	19.1	0.251
V339682		2.4	12.9	204	23.8	0.094
V339683		2.8	16.8	331	25.7	0.205
V339684		1.1	15.1	60	27.2	0.018



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17149362

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31	CRU-QC
LOG-21	LOG-21d	LOG-23	ME-MS61
PUL-31	PUL-31d	PUL-QC	SPL-21
SPL-21d	WEI-21		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE WH17149651

Project: Klaza

P.O. No.: 17-053

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17149651

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V341141		5.26	0.15	6.97	13.5	1920	1.46	0.22	3.12	0.41	55.7	7.6	14	11.55	3.6	2.58
V341142		4.52	0.15	7.11	23.6	1420	1.89	0.16	4.22	0.32	58.6	5.9	15	21.1	11.5	2.39
V341143		5.36	8.85	6.26	515	2370	1.19	3.01	1.72	25.5	30.3	25.1	10	11.50	151.5	5.97
V341144		6.72	0.53	7.29	271	3860	1.55	0.14	2.96	2.11	48.2	5.9	11	26.6	17.9	2.52
V341145		7.70	0.59	7.08	128.0	2760	1.51	0.34	2.99	2.40	44.5	5.1	11	21.1	16.6	2.85
V341146		<0.02	0.68	7.21	132.5	2860	1.68	0.39	3.09	3.04	44.0	5.2	14	21.8	16.1	2.95
V341147		5.42	0.77	7.30	63.1	1860	1.58	0.49	2.39	1.69	49.1	9.5	11	15.60	34.6	2.93
V341148		3.64	45.1	6.17	1660	300	1.22	41.8	0.15	19.55	34.0	9.0	12	6.69	569	9.11
V341149		7.16	2.14	7.70	110.0	1250	1.56	0.86	1.63	13.40	52.3	9.8	14	10.95	35.8	3.54
V341150		5.98	6.85	7.15	489	790	1.24	7.85	1.37	9.69	45.7	8.9	13	13.70	123.0	6.08
V341151		5.90	41.7	6.58	3540	160	1.30	23.8	1.37	5.12	34.6	10.2	15	9.72	1135	7.64
V341152		13.40	0.48	7.20	29.0	2410	1.48	0.56	2.81	1.00	39.0	7.9	17	17.35	22.7	2.87
V341153		0.36	11.40	6.68	1655	290	1.36	11.05	1.89	32.9	45.7	16.5	19	14.35	296	6.67
V341154		13.82	2.36	7.61	76.5	2060	1.59	2.56	2.50	5.29	49.8	6.3	13	20.2	28.3	3.34
V341155		14.14	1.37	7.22	170.5	1670	1.44	0.30	2.26	2.28	48.0	6.0	13	20.9	33.6	3.15
V341156		5.96	0.22	6.77	18.1	2230	1.56	0.35	2.94	0.19	40.5	6.1	14	18.35	13.6	2.91
V341157		1.96	0.18	6.79	16.1	2080	1.51	0.21	2.69	0.16	37.8	7.3	15	17.05	12.8	2.80
V341158		4.38	0.86	6.95	126.5	1670	1.59	0.29	2.43	2.67	41.2	5.2	15	13.70	75.9	2.98
V341159		4.46	2.33	7.53	215	1240	1.51	0.30	2.20	3.26	52.9	7.1	11	21.2	22.7	2.78
V341160		3.60	0.12	7.91	8.6	2430	1.78	0.12	1.89	3.36	54.5	8.9	10	18.10	8.6	2.89
V341161		10.02	1.57	7.91	105.0	2160	1.87	0.96	0.67	10.80	58.8	8.9	14	23.6	29.9	3.86
V341162		4.94	1.28	7.49	665	2160	1.72	0.70	1.64	14.70	50.5	6.2	12	17.55	60.3	3.21
V341163		4.92	8.70	6.99	2740	310	1.45	5.60	0.19	21.5	47.3	6.3	15	18.45	81.2	4.48
V341164		6.04	0.03	0.05	7.1	30	0.06	0.03	21.6	0.13	1.20	0.8	1	0.20	2.7	0.47
V341165		6.44	0.74	7.81	314	1270	1.58	0.23	1.16	24.7	52.4	6.6	13	22.1	36.9	3.00
V341166		6.24	0.74	7.81	398	1370	1.70	0.27	1.35	11.55	57.9	10.6	11	27.1	27.3	3.36
V341167		4.82	0.23	7.54	40.4	2190	1.64	0.14	1.66	4.78	41.9	9.1	12	21.9	11.2	3.11
V341168		4.48	2.34	7.55	379	2900	1.78	0.42	0.39	87.5	54.1	6.4	11	23.9	272	4.04
V341169		12.24	0.54	7.97	70.4	2400	1.66	0.14	1.29	28.0	56.3	7.1	9	17.35	31.7	3.12
V341170		10.82	0.11	8.06	26.0	2500	1.87	0.13	1.76	20.5	59.4	6.4	11	17.95	18.2	3.04
V341171		3.74	0.77	7.79	489	3130	1.64	0.16	1.32	33.2	55.2	6.8	11	25.8	60.9	3.42
V341172		0.36	43.1	6.07	2720	690	1.19	37.5	1.73	43.9	39.3	17.2	23	10.40	1250	9.53
V341173		6.02	0.07	0.07	5.6	30	0.09	0.08	21.8	0.23	1.39	0.7	1	0.20	5.3	0.47
V341174		13.74	0.28	7.88	66.3	2110	1.45	0.14	1.32	16.65	50.7	6.4	11	22.1	21.9	2.91
V341175		3.90	2.51	7.80	832	2350	1.55	1.44	0.79	16.35	58.1	6.4	10	15.55	32.8	3.51
V341176		12.52	0.12	7.48	10.9	2310	1.69	0.12	2.56	3.83	39.0	6.5	11	15.05	11.1	2.92



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17149651

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V341141		15.20	0.13	1.0	0.065	3.04	31.1	11.0	0.66	742	1.44	1.33	7.6	2.1	580
V341142		18.35	0.16	3.5	0.033	2.38	30.3	80.5	0.72	631	2.45	0.80	10.5	4.8	1060
V341143		12.40	0.11	1.0	0.562	2.91	15.7	11.7	0.65	2620	3.62	0.03	5.5	2.6	510
V341144		15.65	0.15	1.1	0.062	3.13	25.1	37.1	0.84	2470	1.52	0.03	7.7	2.3	590
V341145		15.10	0.17	1.0	0.185	3.24	23.5	34.2	0.84	2610	1.31	0.24	7.1	1.8	550
V341146		15.50	0.16	1.0	0.199	3.34	23.1	36.0	0.86	2720	1.62	0.25	7.4	2.0	570
V341147		15.75	0.15	1.1	0.092	3.55	25.9	42.0	0.66	1170	1.19	0.52	7.3	2.1	590
V341148		13.40	0.13	0.7	0.729	3.00	16.4	7.2	0.26	1750	4.64	0.03	5.9	1.9	440
V341149		15.70	0.14	1.1	0.288	3.25	28.0	70.3	0.65	1580	1.72	0.05	7.8	2.0	570
V341150		15.40	0.13	1.0	0.335	3.32	24.8	12.5	0.66	843	2.28	0.03	7.0	2.3	540
V341151		13.90	0.12	0.9	0.550	2.89	17.6	78.7	0.57	549	3.48	0.04	6.7	1.9	540
V341152		16.10	0.13	1.1	0.057	2.79	19.9	119.5	0.68	647	1.97	0.44	8.4	2.1	630
V341153		14.75	0.13	1.0	0.793	2.97	24.3	18.5	0.77	1850	8.92	0.13	6.4	12.3	540
V341154		16.40	0.14	1.1	0.112	2.89	26.1	22.2	0.66	729	1.56	1.72	8.1	2.2	600
V341155		15.40	0.14	1.2	0.101	2.76	25.3	68.6	0.72	1560	3.71	0.44	7.7	1.7	550
V341156		15.60	0.16	1.2	0.066	3.06	20.3	12.6	0.61	775	1.48	1.43	8.1	2.0	560
V341157		14.80	0.19	1.1	0.054	2.90	19.3	14.2	0.62	703	1.59	1.51	7.9	2.5	560
V341158		15.30	0.17	1.0	0.101	3.51	20.8	40.5	0.65	1080	1.36	0.36	7.3	1.9	560
V341159		16.00	0.21	1.1	0.093	3.04	29.7	93.3	0.79	1360	7.37	0.04	8.2	2.3	570
V341160		16.90	0.23	1.3	0.040	2.93	29.9	11.5	0.67	650	1.00	2.35	8.5	2.6	620
V341161		16.70	0.21	1.2	0.231	3.31	36.8	33.0	0.25	1610	2.60	0.49	7.8	2.5	630
V341162		15.55	0.20	1.2	0.517	3.36	28.2	12.3	0.50	1360	1.43	1.14	7.7	2.0	560
V341163		15.35	0.17	1.1	1.775	3.25	25.8	21.1	0.22	863	13.90	0.06	6.8	1.3	440
V341164		0.22	0.16	<0.1	0.009	0.02	0.6	1.1	13.30	203	0.07	<0.01	0.2	1.0	180
V341165		16.05	0.20	1.2	0.348	3.50	28.2	85.6	0.39	1380	1.61	0.07	8.2	1.7	610
V341166		16.55	0.19	1.2	0.168	3.51	31.3	26.0	0.47	1740	1.78	0.24	8.5	2.0	640
V341167		15.95	0.18	1.1	0.048	3.16	21.6	73.2	0.54	1210	1.22	0.27	8.1	1.8	600
V341168		15.45	0.17	1.1	0.172	3.33	31.2	41.8	0.25	2290	6.93	0.03	7.5	1.4	570
V341169		16.55	0.20	1.2	0.091	3.05	31.7	26.2	0.51	622	1.47	1.33	8.5	2.0	630
V341170		17.30	0.20	1.2	0.056	3.23	33.7	17.5	0.59	560	3.66	2.14	8.3	2.3	630
V341171		16.70	0.18	1.1	0.072	3.02	30.8	55.3	0.48	1360	4.22	0.07	8.0	1.8	590
V341172		14.05	0.16	0.8	1.635	2.77	21.2	16.1	0.71	2420	16.60	0.06	4.9	14.9	470
V341173		0.26	0.13	<0.1	0.007	0.03	0.7	1.3	13.70	213	0.06	0.01	0.2	0.9	220
V341174		16.20	0.19	1.3	0.065	2.95	27.2	65.6	0.43	719	1.51	0.46	8.5	1.7	620
V341175		15.80	0.18	1.3	0.112	3.20	31.1	18.9	0.63	512	1.89	0.69	8.3	2.0	600
V341176		16.15	0.19	1.4	0.048	2.95	20.3	15.6	0.71	579	1.59	2.01	8.4	2.0	600



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17149651

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V341141		129.0	<0.002	0.33	3.49	8.4	1	2.0	230	0.61	<0.05	10.50	0.243	1.86	3.8	65
V341142		72.5	<0.002	0.09	8.82	4.6	<1	1.8	542	0.71	<0.05	8.38	0.310	1.02	4.0	51
V341143		171.0	<0.002	5.65	20.5	7.5	1	5.8	106.0	0.44	0.45	9.03	0.180	2.38	3.0	61
V341144		139.5	<0.002	0.70	9.76	9.3	1	3.6	174.5	0.61	<0.05	12.10	0.247	2.97	4.5	68
V341145		154.0	<0.002	0.61	7.54	9.3	1	2.9	173.5	0.56	<0.05	11.50	0.230	2.47	5.2	66
V341146		152.5	<0.002	0.63	7.76	9.6	1	2.9	180.0	0.57	<0.05	11.75	0.234	2.57	5.2	68
V341147		153.5	<0.002	0.98	6.60	9.6	<1	3.1	197.0	0.59	<0.05	11.80	0.237	2.25	4.3	67
V341148		188.0	<0.002	8.82	103.5	7.9	1	8.6	14.2	0.47	0.71	9.85	0.191	2.49	4.8	60
V341149		171.0	<0.002	1.60	10.20	9.8	1	3.8	93.4	0.68	0.09	12.90	0.242	2.39	4.3	66
V341150		199.5	<0.002	5.49	25.2	9.0	1	5.9	82.8	0.56	0.19	11.20	0.228	2.78	3.2	66
V341151		163.0	<0.002	7.11	138.0	8.8	1	6.6	85.0	0.56	0.85	9.98	0.216	2.06	3.9	61
V341152		94.9	<0.002	0.49	6.83	9.9	<1	2.3	205	0.64	0.05	10.75	0.271	1.47	3.2	71
V341153		165.0	0.002	4.70	66.7	8.8	1	8.5	95.2	0.51	1.03	10.75	0.210	2.43	5.0	64
V341154		120.5	<0.002	0.81	6.07	10.1	1	2.1	333	0.64	<0.05	12.60	0.255	1.46	3.7	69
V341155		135.0	<0.002	1.16	16.25	9.6	1	2.0	195.5	0.65	<0.05	12.20	0.235	2.09	3.6	66
V341156		116.0	<0.002	0.24	4.47	9.0	1	1.9	295	0.68	<0.05	9.99	0.247	1.70	3.8	66
V341157		112.0	<0.002	0.16	4.03	9.6	1	1.8	288	0.64	<0.05	10.15	0.242	1.56	3.9	65
V341158		150.0	<0.002	0.67	9.68	9.8	1	2.2	165.5	0.57	<0.05	10.50	0.238	2.24	3.5	66
V341159		144.5	<0.002	0.70	13.55	12.4	1	2.1	136.0	0.62	<0.05	12.95	0.261	2.23	4.9	75
V341160		123.5	<0.002	0.01	2.02	11.0	1	1.7	344	0.65	<0.05	13.95	0.263	1.26	2.4	70
V341161		171.0	<0.002	0.11	9.06	12.0	1	2.4	103.5	0.61	0.05	15.00	0.240	2.50	4.8	69
V341162		164.5	<0.002	0.66	8.01	10.6	1	1.8	211	0.63	<0.05	12.90	0.232	2.16	3.8	64
V341163		192.0	<0.002	2.06	33.4	9.4	1	6.0	67.7	0.54	<0.05	11.15	0.207	2.90	5.0	59
V341164		1.4	<0.002	0.01	0.14	0.2	1	<0.2	47.0	<0.05	<0.05	0.13	<0.005	0.02	0.8	2
V341165		168.5	<0.002	0.38	11.80	10.5	1	2.4	121.0	0.65	<0.05	13.65	0.261	2.48	4.9	70
V341166		174.0	<0.002	0.78	11.75	10.7	1	2.1	88.8	0.66	<0.05	13.90	0.268	3.18	4.7	73
V341167		126.5	<0.002	0.22	12.00	10.3	1	1.6	160.5	0.64	<0.05	11.45	0.259	2.22	3.7	72
V341168		182.5	<0.002	0.56	77.4	10.8	1	2.0	69.6	0.57	<0.05	13.10	0.241	3.35	6.2	68
V341169		140.5	<0.002	0.12	10.65	11.4	1	1.8	211	0.66	<0.05	14.05	0.268	1.44	3.0	73
V341170		144.0	<0.002	0.05	5.66	11.6	1	1.6	328	0.64	<0.05	13.85	0.260	1.41	2.4	72
V341171		154.5	<0.002	0.51	42.0	11.2	1	2.6	102.5	0.62	<0.05	14.15	0.251	2.61	4.0	69
V341172		160.5	<0.002	8.22	107.5	8.8	2	10.5	67.1	0.38	0.76	9.40	0.168	2.19	5.3	59
V341173		1.6	<0.002	<0.01	0.33	0.2	1	<0.2	48.3	<0.05	<0.05	0.13	<0.005	0.02	0.8	2
V341174		133.5	<0.002	0.23	23.5	10.5	1	1.9	158.0	0.68	<0.05	13.40	0.262	1.56	3.9	68
V341175		144.5	<0.002	0.64	13.60	10.4	1	2.3	124.0	0.68	<0.05	14.40	0.251	1.64	2.8	68
V341176		107.5	<0.002	0.04	3.16	9.7	1	1.5	326	0.67	<0.05	10.55	0.252	1.19	3.1	68



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Project: Klaza

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17149651

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V341141		1.7	12.9	67	27.2	<0.005
V341142		1.1	8.6	92	139.0	<0.005
V341143		2.9	9.9	2410	28.2	0.554
V341144		4.4	15.1	246	31.2	0.039
V341145		3.3	14.4	258	28.1	0.027
V341146		3.3	14.5	318	29.6	0.033
V341147		2.8	13.3	168	28.3	0.013
V341148		3.7	9.7	1480	19.2	1.400
V341149		2.4	13.9	1320	28.8	0.052
V341150		3.7	10.2	777	30.2	0.591
V341151		2.8	10.5	437	24.1	1.150
V341152		2.5	14.0	115	31.2	0.018
V341153		5.8	11.2	2500	29.6	0.967
V341154		2.0	15.5	494	32.0	0.036
V341155		2.9	14.5	222	32.3	0.048
V341156		1.6	14.4	51	32.7	0.021
V341157		2.4	15.5	53	30.5	0.005
V341158		2.2	13.6	289	29.8	0.016
V341159		4.0	16.5	351	31.9	0.055
V341160		0.9	17.4	242	37.4	<0.005
V341161		3.7	22.3	1000	36.0	0.037
V341162		2.4	16.0	1120	33.8	0.252
V341163		5.1	11.2	1360	30.5	1.680
V341164		0.1	0.8	20	<0.5	<0.005
V341165		2.7	16.7	1880	34.4	0.071
V341166		6.6	17.3	1360	35.0	0.125
V341167		2.0	15.4	991	33.2	0.014
V341168		5.4	16.2	5340	32.4	0.451
V341169		3.0	18.0	2390	35.7	0.011
V341170		1.5	17.3	1720	35.1	<0.005
V341171		6.7	17.3	2130	33.3	0.061
V341172		7.0	9.8	3640	23.3	1.765
V341173		0.1	0.9	24	<0.5	<0.005
V341174		7.3	16.6	1160	38.0	0.006
V341175		3.2	16.1	1720	36.8	0.148
V341176		2.0	15.2	324	38.6	0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17149651

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	BAG-06	CRU-31
LOG-21	LOG-21d	LOG-23
PUL-31	PUL-31d	PUL-QC
SPL-21d	WEI-21	

CRU-QC
ME-MS61
SPL-21



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE WH17149653

Project: Klaza

P.O. No.: 17-052

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

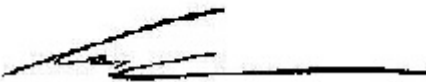
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17149653

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	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
		0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
V340987		2.62				5.49	6.90	126.5	550	1.69	4.30	2.06	37.3	49.8	10.8	10
V340988		10.54				0.35	7.28	17.6	2150	1.46	0.42	2.63	1.79	44.0	7.8	17
V340989		4.76				0.98	7.46	20.1	2280	1.61	0.96	2.64	0.45	49.5	7.8	14
V340990		1.56				0.09	6.84	7.7	2270	1.53	0.20	2.68	0.17	43.1	10.0	16
V340991		2.44				37.4	7.00	247	280	1.54	41.5	2.29	10.85	47.0	9.1	11
V340992		6.02				0.04	0.05	0.5	60	0.08	0.06	20.1	0.07	1.07	0.7	<1
V340993		8.54				0.08	6.86	49.9	1030	2.03	0.19	2.57	0.22	60.9	7.3	24
V340994		3.42				0.48	7.15	61.3	1370	2.14	0.20	1.63	0.41	69.7	7.0	23
V340995		9.02				3.30	7.15	783	850	1.80	0.72	1.33	35.0	52.0	8.0	12
V340996		1.94				8.59	7.08	149.0	720	1.83	0.29	1.66	73.3	43.8	6.9	12
V340997		6.96				0.27	7.12	21.5	2120	1.63	0.23	2.52	0.59	38.7	9.4	13
V340998		5.72				12.45	7.21	160.0	1320	1.85	2.65	1.83	75.2	50.5	6.6	17
V340999		4.22				0.42	6.80	14.0	2120	1.67	0.26	3.03	1.37	35.3	7.2	13
V341000		5.62				0.31	7.42	24.6	1720	1.48	0.46	1.44	0.59	44.5	7.1	21
V341001		3.60				0.32	6.87	24.4	1910	1.64	0.23	2.16	0.23	40.5	7.4	14
V341002		0.34				38.2	5.65	2550	140	1.19	33.7	1.62	44.1	34.3	17.1	21
V341003		1.80				6.14	6.36	139.5	110	1.45	6.47	2.05	29.4	39.0	16.8	14
V341004		8.62				0.38	7.50	17.0	2310	1.69	1.05	2.70	0.34	48.4	7.9	16
V341005		5.68				1.42	7.48	267	1350	1.58	3.91	2.17	0.94	48.9	7.4	14
V341006		<0.02				1.52	6.82	286	1310	1.57	3.98	2.11	1.02	38.5	7.5	14
V341007		3.90				15.55	7.25	1815	470	1.74	5.03	1.81	31.6	55.2	11.8	11
V341008		4.68				0.70	7.18	41.5	1520	1.75	1.21	2.67	0.82	60.3	12.7	12
V341009		11.70				0.58	7.33	49.2	2570	1.58	0.36	2.59	0.87	46.4	6.8	12
V341010		6.36				0.23	7.35	106.0	2960	1.67	0.40	2.61	0.75	43.2	6.6	14
V341011		5.60				1.52	6.84	308	580	1.71	0.37	2.38	4.14	39.1	7.9	15
V341012		0.34				9.94	6.64	1825	630	1.60	6.71	1.87	43.1	45.2	18.5	20
V341013		1.98	115	2.06		>100	7.10	9430	270	1.66	2.81	0.98	109.0	42.4	6.2	10
V341014		2.86				1.54	7.60	216	610	1.76	0.73	2.41	6.27	49.2	9.1	11
V341015		2.92			1.715	37.4	5.58	854	60	1.21	10.65	1.52	200	31.4	17.6	9
V341016		6.06				0.10	0.10	3.4	70	0.08	0.05	20.7	0.39	1.30	0.7	1
V341017		4.90				0.37	7.08	15.3	2100	1.53	0.37	2.76	0.71	39.8	6.8	12
V341018		2.02				17.60	6.21	289	100	1.32	4.59	2.61	97.6	36.6	9.5	12
V341019		5.38				0.43	7.20	9.8	2070	1.51	0.30	2.24	0.37	48.6	6.7	11
V341020		3.58				1.11	7.13	86.5	460	1.57	0.95	2.80	4.65	56.3	26.1	12
V341021		4.40				3.27	6.82	219	150	1.43	1.24	1.75	33.3	36.6	28.4	13
V341022		4.78				0.73	7.34	56.6	1750	1.72	0.23	2.29	7.46	45.2	8.7	11



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17149653

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
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
V340987		17.25	112.0	4.13	15.85	0.20	1.4	1.150	3.28	26.0	35.9	0.76	1750	1.75	0.06
V340988		14.05	14.2	2.91	15.75	0.16	1.2	0.079	3.18	22.1	24.9	0.69	853	2.04	1.44
V340989		12.25	35.5	3.07	16.75	0.30	1.1	0.078	2.94	25.9	10.2	0.73	589	2.03	2.35
V340990		11.20	6.7	2.83	15.00	0.11	1.1	0.063	2.81	21.3	8.4	0.72	587	2.07	2.19
V340991		12.40	795	4.83	14.15	0.08	1.3	0.488	2.98	24.4	17.6	0.60	849	2.79	0.70
V340992		0.16	2.3	0.46	0.24	0.10	<0.1	0.008	0.02	0.5	0.9	12.45	210	0.10	0.01
V340993		21.8	12.1	2.73	17.70	0.14	4.4	0.037	2.21	30.1	167.0	0.99	699	1.09	0.05
V340994		21.9	52.4	2.68	17.55	0.16	4.4	0.043	2.30	36.7	300	0.90	764	9.11	0.04
V340995		20.7	55.7	3.50	15.50	0.12	1.3	0.428	3.01	28.0	46.8	0.58	2860	3.32	0.03
V340996		16.50	63.9	3.70	15.85	0.11	1.2	0.130	3.05	22.2	85.8	0.67	1860	1.86	0.09
V340997		16.20	16.6	2.95	15.95	0.12	1.3	0.042	2.83	19.3	25.5	0.66	741	1.58	1.78
V340998		13.80	169.5	3.83	15.75	0.12	1.3	0.959	3.27	27.2	19.5	0.75	1930	2.28	0.06
V340999		13.60	26.9	2.83	15.70	0.11	1.4	0.052	2.69	17.1	12.5	0.66	728	1.48	1.82
V341000		11.05	25.7	2.93	16.30	0.11	1.2	0.062	2.97	22.4	32.9	0.61	717	2.56	0.29
V341001		14.40	21.8	3.18	16.50	0.11	1.2	0.058	2.82	19.8	38.5	0.60	655	1.95	0.58
V341002		10.05	1175	8.98	13.50	0.10	0.8	1.515	2.60	17.7	13.8	0.66	2340	16.85	0.06
V341003		8.37	246	6.28	14.65	0.09	0.9	1.340	3.09	19.0	29.2	0.65	1260	9.54	0.13
V341004		15.40	54.1	3.19	16.60	0.11	1.1	0.090	2.84	25.0	18.0	0.74	717	1.14	1.89
V341005		19.70	74.8	3.37	15.35	0.12	1.0	0.106	3.07	26.5	64.0	0.74	1570	3.08	0.15
V341006		18.50	82.4	3.35	15.35	0.11	1.1	0.113	3.00	19.3	62.0	0.68	1560	3.21	0.16
V341007		15.85	120.0	4.14	15.40	0.10	1.0	0.465	3.22	30.8	29.4	0.66	1700	2.79	0.03
V341008		9.06	29.1	3.82	15.55	0.11	1.0	0.161	3.63	32.2	13.9	0.67	1220	2.80	0.15
V341009		14.30	19.9	2.96	14.90	0.13	1.1	0.053	2.86	24.3	19.1	0.67	787	2.88	1.59
V341010		14.35	15.0	3.03	16.15	0.12	1.1	0.060	3.20	21.2	31.5	0.68	1060	2.37	1.54
V341011		19.10	22.3	3.34	16.00	0.11	1.2	0.043	3.17	19.1	12.3	0.72	2230	2.14	0.03
V341012		17.10	117.0	5.19	15.25	0.11	1.5	0.970	2.88	23.5	26.5	0.69	2020	12.25	0.26
V341013		13.45	69.4	5.25	15.75	0.09	1.1	0.231	3.24	21.7	10.8	0.45	1990	1.63	0.02
V341014		20.2	10.5	3.36	17.20	0.11	1.2	0.052	3.50	25.1	13.2	0.76	2460	2.50	0.02
V341015		12.90	600	7.13	12.30	0.09	0.8	1.700	2.70	15.2	65.2	0.47	1360	1.03	0.09
V341016		0.77	4.0	0.48	0.35	0.11	<0.1	0.009	0.06	0.6	1.6	12.75	208	0.12	<0.01
V341017		13.00	10.0	3.04	15.25	0.12	1.2	0.062	2.89	19.5	31.0	0.69	628	1.22	1.43
V341018		9.50	213	6.51	13.60	0.08	1.0	4.94	3.02	17.8	13.1	0.71	1320	1.27	0.09
V341019		13.55	22.1	3.03	15.70	0.12	1.2	0.074	2.84	24.7	20.6	0.73	657	0.98	1.86
V341020		16.65	43.1	3.87	14.70	0.12	1.1	0.180	3.32	31.6	9.1	0.94	2080	2.13	0.03
V341021		15.70	30.9	6.28	15.65	0.08	0.9	0.320	3.22	18.6	8.4	0.64	1980	1.26	0.04
V341022		13.90	15.5	3.07	15.40	0.11	1.2	0.108	3.06	23.8	16.3	0.64	1050	1.28	1.19



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17149653

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
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
															0.005
V340987		2.8	550	749	166.0	<0.002	1.88	17.70	9.3	1	3.0	124.5	0.60	0.13	11.60
V340988		2.3	600	51.5	119.5	<0.002	0.40	4.97	9.7	1	2.3	277	0.69	<0.05	12.35
V340989		2.1	600	161.5	115.5	<0.002	0.29	5.00	10.6	1	2.4	363	0.69	<0.05	12.50
V340990		2.6	570	20.7	100.0	<0.002	0.21	2.64	9.2	1	2.3	330	0.68	<0.05	10.90
V340991		3.0	560	6900	133.0	<0.002	3.11	77.5	8.3	1	5.7	192.0	0.61	0.30	12.05
V340992		1.6	160	8.4	1.1	<0.002	0.01	0.50	0.1	<1	0.2	45.8	<0.05	<0.05	0.11
V340993		8.0	1310	27.1	65.2	<0.002	0.06	14.05	5.8	1	1.9	437	0.68	<0.05	8.14
V340994		7.4	1310	27.1	89.8	<0.002	0.08	34.4	6.1	1	3.3	390	0.69	<0.05	9.27
V340995		2.8	580	1080	161.0	<0.002	1.67	30.9	10.2	1	3.5	94.5	0.63	0.07	13.60
V340996		2.4	540	3940	129.0	<0.002	1.81	19.15	13.1	1	3.5	85.0	0.65	0.11	12.05
V340997		2.6	590	61.2	99.4	<0.002	0.10	4.09	10.4	1	2.5	310	0.64	<0.05	11.80
V340998		2.3	570	4890	171.0	<0.002	1.41	16.35	10.8	1	4.0	97.1	0.64	0.20	13.50
V340999		2.5	590	123.0	87.2	<0.002	0.12	3.26	10.2	1	1.8	331	0.72	0.07	10.25
V341000		2.6	590	67.6	121.0	<0.002	0.66	13.90	11.1	1	3.1	104.0	0.68	0.12	13.00
V341001		2.4	580	24.6	101.5	<0.002	0.12	10.15	10.9	1	1.7	167.0	0.73	0.06	11.50
V341002		14.7	460	1730	143.5	0.002	7.70	102.0	7.6	2	10.5	61.3	0.40	0.73	8.81
V341003		2.7	500	256	165.0	<0.002	5.36	11.40	9.4	1	6.8	92.1	0.51	1.90	10.30
V341004		2.5	640	28.1	117.0	<0.002	0.73	2.90	11.9	1	2.3	349	0.64	0.14	12.95
V341005		2.4	600	72.2	142.5	<0.002	0.84	9.37	10.8	1	2.7	136.0	0.62	0.07	13.65
V341006		2.5	580	75.4	114.0	<0.002	0.90	9.70	10.1	1	2.7	133.5	0.64	0.06	11.60
V341007		2.5	550	3260	196.5	<0.002	3.27	31.3	10.6	1	4.1	66.2	0.58	0.12	13.30
V341008		2.5	570	41.9	191.0	<0.002	1.50	6.32	10.5	1	3.4	106.0	0.56	0.13	13.10
V341009		2.3	580	46.9	115.0	<0.002	0.50	8.26	10.2	1	1.9	304	0.64	0.05	12.45
V341010		2.4	580	39.8	122.0	<0.002	0.67	4.71	10.4	1	2.1	320	0.65	0.11	11.55
V341011		2.6	570	363	128.5	<0.002	2.22	15.80	10.6	1	5.1	95.9	0.70	0.09	11.15
V341012		16.6	510	1430	164.0	<0.002	3.09	36.2	8.5	1	6.0	152.5	0.65	0.34	12.10
V341013		2.5	520	>10000	168.0	<0.002	5.13	135.5	10.1	1	10.6	48.7	0.61	0.09	12.90
V341014		2.6	610	410	168.0	<0.002	2.53	14.55	11.3	1	3.0	89.3	0.65	0.21	13.35
V341015		2.4	430	3090	125.0	<0.002	7.56	151.0	7.1	1	2.8	77.2	0.44	0.45	8.71
V341016		1.5	210	8.9	4.0	<0.002	0.02	0.72	0.2	<1	<0.2	47.2	<0.05	<0.05	0.13
V341017		2.3	590	56.5	102.0	<0.002	0.33	4.89	10.2	1	1.6	280	0.67	0.08	11.60
V341018		2.8	520	3080	151.5	<0.002	5.80	31.1	8.8	1	5.9	83.4	0.51	0.11	10.00
V341019		2.4	580	38.9	116.0	<0.002	0.25	2.55	10.5	1	1.7	320	0.66	0.05	13.35
V341020		2.4	570	137.5	207	<0.002	2.37	15.80	10.9	1	4.5	62.3	0.62	0.20	12.20
V341021		3.2	510	1820	172.5	<0.002	4.95	11.05	10.0	1	5.0	35.9	0.59	0.21	11.25
V341022		2.2	560	403	138.5	<0.002	0.77	5.98	10.5	1	3.3	225	0.68	<0.05	13.40



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17149653

Sample Description	Method Analyte Units LOR	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
V340987		2.78	4.9	58	3.4	14.3	2770	42.3	0.212
V340988		1.74	3.8	69	1.2	14.7	201	35.4	0.007
V340989		1.40	4.3	68	0.9	16.2	77	31.0	0.068
V340990		1.38	4.5	65	0.7	14.7	49	30.8	0.005
V340991		1.81	7.9	63	2.2	13.4	1150	40.1	1.465
V340992		<0.02	0.7	2	0.1	0.7	19	<0.5	<0.005
V340993		1.22	4.1	61	2.6	11.0	89	178.5	<0.005
V340994		1.37	4.6	62	3.4	12.5	97	180.5	0.008
V340995		3.23	4.5	62	6.2	11.9	2310	39.0	0.388
V340996		2.71	3.6	85	2.9	14.3	7660	32.1	0.262
V340997		1.44	3.9	68	2.6	14.9	90	35.1	<0.005
V340998		3.13	5.1	64	6.5	12.8	7400	39.7	0.179
V340999		1.26	3.9	68	2.1	15.1	186	37.7	0.006
V341000		1.75	4.4	67	3.9	14.7	93	34.8	0.012
V341001		1.59	4.1	67	3.3	14.9	59	34.4	0.012
V341002		2.19	5.4	56	7.3	9.6	3440	24.0	1.730
V341003		2.21	5.3	60	3.1	11.0	3340	25.3	0.412
V341004		1.57	4.1	77	1.7	16.8	73	30.9	0.037
V341005		2.24	4.7	69	4.4	14.5	130	28.5	0.077
V341006		2.24	4.3	67	4.4	12.8	134	31.5	0.102
V341007		2.98	5.0	63	3.8	13.6	2500	28.0	0.803
V341008		2.64	5.7	63	2.1	14.6	102	29.9	0.074
V341009		1.57	4.0	66	1.7	15.5	117	30.7	0.033
V341010		1.86	3.9	67	2.9	14.7	93	32.1	0.103
V341011		3.84	4.6	66	5.5	12.5	334	32.4	0.124
V341012		2.76	5.4	57	5.4	12.4	3140	43.0	0.807
V341013		3.67	4.1	61	6.6	10.7	8340	30.5	3.12
V341014		4.39	4.3	69	5.3	14.3	506	33.4	0.105
V341015		2.20	3.4	51	2.3	10.8	>10000	24.0	1.080
V341016		0.03	0.7	2	0.1	0.8	49	<0.5	<0.005
V341017		1.57	2.9	68	1.5	14.2	106	31.9	0.012
V341018		2.57	4.7	58	2.2	12.0	8580	27.7	1.440
V341019		1.51	4.3	67	1.4	16.0	71	32.2	0.018
V341020		3.40	4.7	69	3.2	15.6	269	28.3	0.030
V341021		3.08	3.8	64	3.6	11.2	2340	24.7	0.135
V341022		2.02	4.6	64	1.9	14.8	636	33.6	0.017



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17149653

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	BAG-06	CRU-31
CRU-QC	LOG-21	LOG-21d	LOG-23
ME-MS61	ME-OG62	Pb-OG62	PUL-31
PUL-31d	PUL-QC	SPL-21	SPL-21d
WEI-21	Zn-OG62		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE WH17150448

Project: Klaza

P.O. No.: 17-062

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

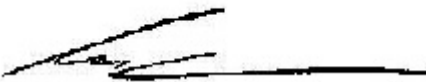
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150448

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V340233		10.42		0.28	6.96	30.8	2100	1.52	0.18	2.24	1.40	39.2	5.7	8	16.60	14.8
V340234		4.20		4.08	7.04	2150	1290	1.48	3.80	2.37	31.7	53.6	6.3	8	21.1	81.3
V340235		8.09		4.98	6.97	1860	1020	1.44	1.53	3.16	67.4	64.8	13.4	7	47.8	82.5
V340236		8.61		0.12	7.10	18.0	1350	1.46	0.14	3.20	0.52	39.7	3.9	10	12.00	3.7
V340237		9.25		1.04	7.15	37.7	2060	1.45	0.42	2.90	10.80	45.5	5.8	7	16.10	23.6
V340238		2.26		4.07	7.36	133.0	1280	1.36	0.96	1.99	70.2	57.4	5.0	8	13.95	40.1
V340239		5.90		0.57	6.82	27.3	1670	1.21	0.27	2.79	7.61	34.6	8.4	7	12.75	11.9
V340240		6.19		0.22	7.58	8.0	2140	1.48	0.21	2.28	0.48	37.5	7.6	7	11.00	10.5
V340241		3.74		5.61	6.82	64.9	1180	1.36	0.63	1.03	88.5	42.5	5.2	8	14.90	63.0
V340242		<0.02		5.21	6.87	62.3	1140	1.36	0.65	1.07	83.8	44.2	5.2	7	15.10	58.9
V340243		4.24		0.56	7.76	62.2	1860	1.34	0.39	1.73	2.07	49.8	12.2	8	14.30	18.3
V340244		2.85	1.510	10.80	5.38	7450	280	0.97	5.20	0.92	216	36.3	8.8	7	4.88	74.5
V340245		4.35		7.51	7.50	1400	200	1.49	4.56	0.27	62.6	81.6	11.2	10	5.36	119.0
V340246		6.06		0.03	0.09	10.5	40	0.05	0.05	21.8	0.57	1.16	0.7	1	0.15	2.1
V340247		6.25		4.87	7.50	951	350	1.28	2.43	0.81	53.8	54.8	5.3	8	10.60	89.8
V340248		6.52		0.18	7.15	13.4	1780	1.43	0.12	2.88	0.97	36.2	3.1	10	14.05	5.0
V340249		4.15		1.95	7.21	290	2010	1.34	1.91	2.34	8.04	42.9	4.0	9	19.60	17.3
V340250		3.22		0.14	7.88	19.7	2900	1.33	0.09	1.76	0.52	48.5	6.6	8	18.80	8.3
W588001		9.14		0.46	7.70	38.1	2190	1.39	0.31	1.84	0.78	48.0	5.8	8	19.85	19.5
W588002		4.33		0.18	7.87	17.7	2250	1.25	0.16	1.60	0.21	52.0	6.1	7	18.95	8.3
W588003		4.78		7.78	6.89	8170	620	1.49	0.70	1.06	51.4	49.6	6.5	8	13.85	135.0
W588004		3.86		0.48	7.23	109.5	1610	1.82	0.17	2.42	0.92	40.0	6.0	8	17.30	34.8
W588005		10.57		3.12	7.51	287	1130	1.54	0.84	2.01	20.6	72.1	6.5	8	17.45	119.0
W588006		0.34		4.63	6.99	757	350	1.29	3.22	2.16	10.85	48.4	12.1	25	13.65	324
W588007		13.87		1.62	7.37	62.1	1720	1.48	0.81	2.51	11.65	61.3	4.9	9	13.85	39.4
W588008		5.59		11.80	7.28	325	520	1.59	0.67	1.43	20.2	49.3	5.7	7	18.75	143.0
W588009		4.88		0.69	7.00	30.8	2340	1.55	0.10	3.29	4.55	43.3	5.5	7	17.20	7.8
W588010		3.61		31.7	7.14	397	520	1.50	7.23	1.33	40.0	47.3	5.6	7	18.70	941
W588011		6.09		0.02	0.07	0.2	30	<0.05	0.03	21.3	0.09	1.12	0.5	1	0.15	1.9
W588012		10.45		0.52	7.14	22.8	1740	1.43	0.42	2.55	1.25	45.4	5.6	7	15.05	23.0
W588013		10.65		3.66	7.05	64.9	2070	1.68	0.46	1.85	4.06	66.5	6.6	17	22.6	34.4
W588014		5.00		57.2	5.32	1605	160	1.12	1.97	1.93	65.8	28.4	4.5	6	9.66	214
W588015		0.34		9.32	6.71	1845	1060	1.22	5.97	1.90	42.8	43.5	16.5	20	16.10	108.5
W588016		5.61		0.28	7.78	77.6	1000	1.92	0.15	2.08	0.65	70.5	7.1	23	20.6	12.4
W588017		10.99		0.91	7.25	192.5	1480	1.63	0.39	2.57	1.02	47.7	5.5	7	21.0	118.5
W588018		9.51		4.58	7.03	171.0	1750	1.61	0.41	2.28	1.39	53.3	5.4	8	27.8	63.0



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150448

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
V340233		3.94	15.80	0.13	1.1	0.076	2.85	19.4	24.7	0.65	1340	0.80	0.71	8.3	2.2	560
V340234		4.62	13.45	0.13	0.9	0.873	2.93	30.2	17.6	0.99	1620	1.45	0.05	6.2	3.3	540
V340235		3.07	14.35	0.14	0.8	0.659	2.83	38.9	19.8	1.11	983	1.45	0.06	6.6	2.5	550
V340236		2.27	15.80	0.14	1.0	0.046	2.52	20.2	57.7	0.74	697	1.49	0.13	8.1	2.0	600
V340237		3.15	14.70	0.13	1.0	0.250	3.00	23.4	36.2	0.84	1070	1.17	0.19	7.2	2.4	600
V340238		3.79	15.05	0.12	0.9	1.245	3.44	33.1	8.9	0.78	2170	3.16	0.04	6.8	1.9	570
V340239		2.98	13.90	0.12	0.9	0.120	2.87	17.1	26.0	0.77	1540	8.59	0.06	5.5	2.5	560
V340240		3.19	15.15	0.13	1.1	0.039	2.63	18.9	35.9	0.69	552	0.58	0.26	7.8	2.3	630
V340241		5.57	13.55	0.11	1.0	0.716	2.72	23.6	60.1	0.80	2110	0.56	0.04	6.0	2.0	490
V340242		5.53	13.80	0.12	1.0	0.671	2.70	24.9	62.5	0.81	2110	0.52	0.04	6.2	2.2	510
V340243		3.45	15.45	0.14	1.0	0.116	3.03	26.4	37.4	0.63	822	0.86	0.10	7.5	3.0	630
V340244		6.18	11.05	0.12	0.6	3.18	2.56	20.7	16.7	0.27	556	1.24	0.03	4.9	1.9	390
V340245		5.73	15.90	0.15	0.8	1.405	3.72	48.7	6.6	0.29	610	0.63	0.04	5.9	2.0	550
V340246		0.54	0.20	0.12	<0.1	0.011	0.04	0.6	1.1	13.60	229	0.17	<0.01	0.1	1.8	190
V340247		5.40	14.45	0.12	0.8	0.877	3.57	30.5	9.1	0.50	1760	1.57	0.04	6.5	1.7	580
V340248		2.89	14.65	0.11	0.9	0.045	3.03	18.0	40.9	0.70	770	0.88	0.98	7.2	2.0	610
V340249		2.85	14.85	0.13	0.9	0.476	2.93	22.5	65.0	0.67	1170	1.91	0.19	7.3	2.1	570
V340250		2.87	15.85	0.14	1.1	0.041	0.95	25.2	335	0.55	778	1.29	0.02	8.3	2.7	680
W588001		2.98	15.80	0.13	1.1	0.061	2.61	24.6	96.8	0.61	658	0.81	0.16	8.5	2.1	630
W588002		2.87	15.40	0.14	1.1	0.047	2.53	27.5	105.5	0.56	586	0.67	0.22	7.9	1.9	620
W588003		3.89	15.45	0.13	1.0	0.459	3.20	26.6	15.1	0.51	756	1.23	0.03	6.3	2.5	500
W588004		3.50	14.40	0.12	1.1	0.068	3.56	20.2	31.5	0.65	904	0.68	0.27	7.6	2.1	600
W588005		4.20	14.75	0.15	1.0	0.722	3.38	42.0	17.8	0.79	3490	0.86	0.04	6.9	2.2	580
W588006		5.28	14.55	0.13	1.0	0.317	3.09	27.1	26.9	0.81	1960	15.15	0.16	5.8	14.3	540
W588007		3.24	14.65	0.15	1.0	0.410	3.15	33.0	19.5	0.63	1160	0.99	0.89	7.1	2.3	600
W588008		4.77	13.55	0.13	0.9	1.145	3.13	27.0	12.0	0.63	5240	1.04	0.03	6.5	2.4	540
W588009		2.55	14.50	0.13	0.9	0.070	3.15	21.5	24.8	0.89	1860	0.44	0.05	6.8	1.9	590
W588010		4.81	14.10	0.12	0.9	2.71	3.15	25.8	28.7	0.65	2910	1.99	0.04	6.4	2.4	550
W588011		0.48	0.16	0.13	<0.1	0.006	0.03	0.6	0.9	13.20	217	0.08	<0.01	0.1	1.4	190
W588012		2.86	14.10	0.14	1.0	0.101	2.55	22.5	47.3	0.69	554	0.62	0.66	7.4	2.1	620
W588013		2.58	15.65	0.16	3.5	0.086	2.38	36.1	155.0	0.86	712	2.55	0.05	9.3	5.4	1080
W588014		4.80	10.75	0.11	0.7	0.857	2.43	14.4	17.5	0.79	2160	14.40	0.03	4.7	2.0	400
W588015		5.29	13.30	0.12	1.2	0.898	2.91	23.1	22.7	0.72	1980	11.60	0.27	7.0	14.0	510
W588016		2.93	17.25	0.16	3.8	0.060	2.68	37.6	250	1.04	861	1.20	0.04	10.8	7.4	1320
W588017		3.26	14.25	0.14	0.9	0.169	2.99	25.7	74.1	0.82	2250	1.25	0.05	7.2	2.4	590
W588018		3.35	14.45	0.14	0.8	0.126	2.90	30.1	60.6	0.81	1690	1.78	0.05	7.0	2.3	550



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150448

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V340233		42.3	97.1	<0.002	0.29	7.75	9.1	1	2.4	179.5	0.60	<0.05	10.70	0.242	1.82	3.4
V340234		375	157.5	<0.002	1.01	17.00	8.8	<1	4.3	95.4	0.51	<0.05	13.00	0.218	2.57	4.6
V340235		1305	163.0	<0.002	1.79	16.20	9.1	1	9.7	106.0	0.52	0.18	12.10	0.220	2.44	4.2
V340236		14.9	84.3	<0.002	0.16	7.82	8.7	<1	2.4	149.0	0.65	<0.05	11.45	0.254	1.76	3.8
V340237		297	106.5	<0.002	0.52	10.45	9.3	1	2.7	123.5	0.60	<0.05	11.80	0.246	2.21	4.3
V340238		2300	172.0	<0.002	1.41	11.80	9.7	1	5.0	43.9	0.57	<0.05	13.75	0.223	3.02	4.9
V340239		234	110.5	<0.002	0.50	8.81	7.7	1	3.1	80.0	0.52	<0.05	10.55	0.196	2.11	3.0
V340240		30.5	86.9	<0.002	0.13	11.55	9.6	<1	2.4	126.0	0.63	<0.05	12.20	0.264	1.31	2.3
V340241		2620	141.0	<0.002	1.00	12.95	8.4	<1	3.2	46.4	0.51	<0.05	12.70	0.212	2.24	4.7
V340242		2370	142.5	<0.002	0.95	12.85	8.6	<1	3.2	48.7	0.53	<0.05	12.45	0.214	2.18	4.6
V340243		135.5	146.0	<0.002	0.80	12.00	10.7	1	3.2	91.9	0.61	0.05	14.00	0.265	1.98	3.2
V340244		558	161.0	<0.002	6.70	71.0	6.7	<1	6.0	18.5	0.39	0.18	8.91	0.174	2.05	2.4
V340245		800	231	<0.002	5.39	15.75	8.7	1	6.9	11.4	0.48	0.22	12.50	0.221	2.69	2.6
V340246		3.4	1.7	<0.002	0.04	0.18	0.2	<1	<0.2	49.6	<0.05	<0.05	0.09	<0.005	0.02	0.5
V340247		1360	207	<0.002	3.86	16.15	8.5	<1	6.4	36.0	0.53	0.09	13.10	0.230	2.74	3.5
V340248		45.5	120.5	<0.002	0.13	6.07	8.8	1	2.4	215	0.60	<0.05	10.40	0.250	1.97	3.3
V340249		276	130.5	<0.002	0.84	18.10	9.4	1	2.6	125.5	0.58	<0.05	12.40	0.246	2.55	4.2
V340250		20.8	41.6	<0.002	0.36	45.2	10.8	1	1.8	228	0.64	<0.05	13.45	0.267	0.79	2.2
W588001		57.3	101.0	<0.002	0.22	24.9	10.0	1	2.6	112.5	0.68	<0.05	12.60	0.266	1.41	4.0
W588002		16.0	107.5	<0.002	0.19	20.3	10.1	1	2.1	112.0	0.66	<0.05	13.75	0.262	1.37	4.4
W588003		1675	173.0	<0.002	3.25	46.9	8.9	1	11.1	43.3	0.52	<0.05	12.85	0.211	2.48	3.0
W588004		73.2	121.5	<0.002	0.36	9.26	9.1	1	2.0	134.0	0.64	<0.05	11.40	0.250	1.99	4.5
W588005		698	186.0	<0.002	1.87	21.1	10.0	1	4.0	63.7	0.56	<0.05	14.20	0.230	2.93	5.2
W588006		511	156.0	0.004	2.81	29.1	9.1	1	5.4	113.5	0.48	0.27	11.65	0.209	2.36	5.0
W588007		330	140.0	<0.002	0.99	6.00	9.8	1	3.3	179.5	0.57	<0.05	12.80	0.235	2.23	3.9
W588008		258	159.5	<0.002	2.36	35.6	9.5	1	4.6	90.0	0.53	<0.05	12.15	0.230	2.88	4.3
W588009		401	132.5	<0.002	0.53	6.77	9.5	<1	2.8	136.0	0.53	<0.05	10.50	0.241	2.57	3.1
W588010		917	165.0	<0.002	2.27	95.2	9.6	1	5.0	94.7	0.51	0.07	12.20	0.223	2.43	3.5
W588011		2.2	1.1	<0.002	<0.01	0.12	0.1	<1	<0.2	49.9	<0.05	<0.05	0.08	<0.005	<0.02	0.6
W588012		28.0	86.5	<0.002	0.16	8.61	8.9	1	2.1	219	0.58	<0.05	11.15	0.260	1.38	3.4
W588013		156.5	103.0	<0.002	0.34	31.6	6.0	1	3.8	393	0.58	<0.05	9.93	0.306	1.32	4.8
W588014		2790	149.5	<0.002	4.34	111.0	6.5	<1	7.1	95.8	0.41	<0.05	7.41	0.159	2.29	3.1
W588015		1380	157.0	0.002	3.13	33.6	8.1	1	5.5	151.5	0.56	0.31	11.55	0.204	2.25	4.6
W588016		25.1	103.5	<0.002	0.12	19.65	6.4	1	2.0	501	0.67	<0.05	9.50	0.358	1.32	4.5
W588017		77.9	133.5	<0.002	0.97	22.9	9.5	<1	2.9	162.0	0.58	<0.05	11.95	0.251	2.71	3.4
W588018		112.0	121.0	<0.002	0.72	23.9	9.4	1	2.7	126.0	0.57	<0.05	11.80	0.239	2.62	4.4



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150448

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		V	W	Y	Zn	Zr	Au
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V340233		63	3.4	13.0	153	33.4	0.009
V340234		63	3.4	13.0	2100	25.6	1.130
V340235		60	2.3	13.1	4060	24.0	0.204
V340236		70	1.3	11.8	80	29.8	<0.005
V340237		71	1.9	13.2	712	28.7	0.163
V340238		65	3.8	12.3	4450	25.7	0.112
V340239		65	1.5	10.7	601	26.4	0.016
V340240		72	2.2	14.0	88	30.4	<0.005
V340241		59	3.7	10.3	5150	30.2	0.308
V340242		59	3.6	12.5	4880	27.4	0.251
V340243		78	3.0	15.1	206	28.0	0.012
V340244		52	3.4	10.0	>10000	18.5	1.510
V340245		60	3.9	9.5	4210	20.9	0.259
V340246		2	0.1	0.8	64	<0.5	<0.005
V340247		66	4.0	10.6	3760	22.6	0.160
V340248		70	1.2	12.4	127	25.0	<0.005
V340249		67	2.5	13.8	577	27.1	0.141
V340250		69	6.1	16.8	79	30.4	<0.005
W588001		73	3.2	16.1	89	31.3	0.015
W588002		72	3.3	16.4	51	31.3	<0.005
W588003		60	3.6	11.8	3310	29.2	2.14
W588004		68	1.8	13.5	95	30.9	0.016
W588005		65	3.5	26.6	1480	26.4	0.072
W588006		69	5.2	12.1	912	30.4	0.361
W588007		65	2.0	12.7	1040	28.8	0.015
W588008		64	4.1	11.4	2120	27.1	0.104
W588009		72	1.8	14.3	470	25.7	0.005
W588010		65	3.3	12.2	4240	26.4	0.292
W588011		2	0.1	0.7	26	<0.5	<0.005
W588012		69	1.4	13.5	153	27.8	0.006
W588013		59	2.9	11.4	364	145.0	0.107
W588014		46	3.7	6.8	5520	20.3	1.585
W588015		58	4.5	11.2	3060	37.9	0.774
W588016		67	2.0	11.4	126	157.5	0.016
W588017		67	3.9	13.1	116	26.1	0.067
W588018		67	3.3	13.3	166	23.4	0.171



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150448

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Zn-OG62
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-AUG-2017
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Project: Klaza

P.O. No.: 17-060

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150454

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V340197		6.72		0.18	7.64	17.7	2050	1.32	0.22	1.80	0.64	42.6	6.5	10	11.25	24.2
V340198		6.02		5.26	6.75	140.0	410	1.53	4.24	2.34	9.63	40.9	7.9	10	12.35	359
V340199		4.37		0.39	7.71	14.7	720	1.37	1.11	3.91	0.59	30.8	12.4	30	12.25	70.9
V340200		5.31		11.45	6.99	260	320	1.50	8.83	1.88	13.45	42.2	7.1	10	10.15	498
V340201		7.57		1.55	8.35	66.3	1620	1.78	2.42	1.57	4.60	55.8	8.5	9	12.40	36.6
V340202		3.32		12.75	7.87	249	300	1.36	19.80	1.04	4.57	46.9	9.6	10	12.05	430
V340203		<0.02		13.60	7.81	259	220	1.39	20.4	1.03	5.06	42.8	10.1	8	12.00	455
V340204		5.02		0.82	7.57	31.4	2160	1.70	1.39	2.28	1.93	41.8	7.9	10	17.30	45.0
V340205		4.00		0.64	6.71	30.7	990	1.34	0.35	1.84	0.46	45.1	6.1	8	23.8	25.9
V340206		4.10		0.53	6.81	47.8	740	1.56	0.64	2.24	1.02	42.0	8.4	12	25.8	40.6
V340207		0.30		9.27	7.04	1915	550	1.61	6.44	2.05	39.0	43.7	18.0	22	17.25	119.5
V340208		9.39		0.47	7.94	22.7	2480	1.76	0.41	2.83	1.46	46.4	7.9	12	14.10	30.4
V340209		5.64		2.26	7.64	249	1890	1.62	1.53	2.52	8.67	43.0	7.4	10	15.75	43.3
V340210		5.16		0.31	8.24	50.2	1110	1.79	0.16	2.37	22.2	51.5	5.3	9	12.65	19.1
V340211		2.21	1.745	39.3	5.12	480	150	1.04	17.15	2.11	329	21.5	18.1	7	8.37	754
V340212		6.09		0.07	0.08	0.2	90	<0.05	0.04	22.0	0.42	1.17	0.8	1	0.16	3.4
V340213		5.42		1.20	7.38	61.9	1090	1.39	0.35	3.10	33.1	47.1	4.7	9	15.85	13.4
V340214		8.43		0.26	7.21	23.9	760	1.55	0.17	2.99	9.06	86.0	4.2	9	12.55	7.9
V340215		7.62		0.25	6.44	24.2	560	1.42	0.53	3.06	3.90	46.7	3.8	12	10.00	24.0
V340216		0.28		12.80	6.92	1715	170	1.47	13.20	2.04	31.1	43.4	19.6	20	14.65	307
V340217		3.99		2.50	7.25	47.4	700	1.87	0.69	3.19	27.6	62.9	6.0	9	12.75	56.2
V340218		7.78		0.22	7.32	14.9	630	1.52	0.15	2.45	3.49	52.4	3.6	8	7.64	6.0
V340219		3.52		0.53	7.37	74.6	620	1.36	0.38	1.54	4.80	61.5	2.5	8	8.80	8.0
V340220		4.04		0.14	7.36	10.8	570	1.45	0.17	2.81	0.19	46.1	1.8	8	8.24	2.8
V340221		2.14		0.16	7.41	10.0	580	1.41	0.25	2.83	0.20	44.6	2.0	9	7.57	2.7
V340222		4.74		0.17	6.88	12.2	700	1.59	0.22	4.36	0.54	19.65	1.9	8	9.48	1.7
V340223		1.96	3.31	31.0	6.09	990	190	1.18	15.90	3.08	567	20.9	19.8	9	6.12	659
V340224		6.00		0.02	0.08	0.4	30	0.05	0.03	22.4	0.19	1.15	0.7	3	0.14	3.6
V340225		4.52		0.37	7.06	33.6	620	1.36	0.31	4.38	2.13	21.4	2.1	11	11.45	4.7
V340226		4.46		0.65	7.49	1105	1300	1.69	0.33	2.45	8.55	43.6	8.2	11	18.25	10.8
V340227		3.94		12.45	6.78	3770	570	1.40	12.20	0.63	93.3	38.4	9.1	7	14.95	380
V340228		7.76		0.51	7.34	131.0	1640	1.42	0.13	1.91	5.08	36.3	6.1	8	20.8	10.8
V340229		6.98		0.76	7.38	68.0	3810	1.78	0.20	2.73	4.00	53.0	5.4	8	45.1	7.0
V340230		9.17		0.14	7.95	13.2	2260	1.29	0.16	1.49	0.39	47.9	8.3	9	20.9	6.2
V340231		6.30		5.55	8.36	37.0	1740	1.42	9.56	1.62	26.5	50.0	5.8	9	19.55	75.2
V340232		4.15		12.00	7.02	350	350	1.57	3.52	2.74	15.75	43.1	7.0	8	17.60	1300



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Page: 2 - B
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CERTIFICATE OF ANALYSIS WH17150454

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
V340197		3.09	15.95	0.11	1.0	0.050	2.78	21.8	45.5	0.60	861	2.35	0.14	7.2	1.9	630
V340198		4.12	15.05	0.07	0.9	0.415	2.79	21.0	24.5	0.75	1010	2.71	1.10	6.6	2.5	560
V340199		4.45	17.85	0.08	2.3	0.068	1.63	14.8	19.2	1.67	851	1.79	1.99	6.8	5.5	850
V340200		4.95	14.95	0.07	0.9	0.333	2.96	22.1	14.7	0.71	1020	3.25	0.94	6.7	2.4	540
V340201		4.11	18.20	0.15	1.2	0.137	3.74	29.5	32.8	0.78	971	1.54	0.49	7.9	3.0	640
V340202		5.53	16.15	0.12	0.9	0.469	3.30	25.1	91.8	0.65	735	5.37	0.09	7.2	2.7	600
V340203		5.60	16.55	0.12	1.0	0.542	3.30	21.9	94.0	0.64	734	4.95	0.09	7.1	2.5	590
V340204		3.51	17.45	0.12	1.1	0.144	3.32	21.3	70.7	0.69	669	2.52	1.10	7.5	2.6	620
V340205		2.64	14.70	0.13	1.0	0.039	2.55	25.4	62.4	0.67	1060	5.82	0.04	6.9	2.3	490
V340206		3.03	15.10	0.12	1.0	0.057	1.69	22.0	480	0.79	737	8.97	0.15	7.4	2.9	570
V340207		5.65	15.55	0.11	1.4	0.905	3.09	22.9	24.6	0.77	2120	12.55	0.28	7.7	15.6	530
V340208		3.52	17.50	0.14	1.0	0.063	3.07	23.5	14.9	0.88	755	2.84	2.34	8.4	2.7	680
V340209		3.92	16.30	0.14	1.1	0.122	3.26	22.4	18.4	0.68	896	5.58	1.21	7.8	2.5	590
V340210		2.81	18.10	0.15	1.1	0.091	2.10	27.5	26.2	0.52	1500	1.40	1.49	8.3	2.6	630
V340211		6.85	12.25	0.09	0.6	6.56	2.35	10.4	13.7	0.82	2370	1.35	0.04	4.8	1.8	330
V340212		0.49	0.25	0.12	<0.1	0.015	0.03	0.6	1.1	13.75	212	0.10	0.01	0.2	1.2	180
V340213		3.37	16.60	0.14	1.1	0.145	2.46	24.9	49.2	0.75	1740	0.97	0.05	8.0	2.3	630
V340214		2.98	17.90	0.13	1.0	0.084	1.65	55.8	15.9	0.32	862	2.24	2.20	7.6	2.7	610
V340215		3.11	17.20	0.11	0.9	0.075	1.45	25.7	20.1	0.28	908	1.78	1.18	6.8	2.5	580
V340216		7.25	16.15	0.12	1.1	0.828	3.12	22.1	18.9	0.82	1920	9.08	0.14	6.7	12.8	580
V340217		2.88	20.9	0.12	1.0	0.231	2.21	35.4	30.6	0.44	829	1.97	0.31	7.0	2.3	620
V340218		3.16	17.25	0.13	0.9	0.072	2.27	24.9	24.5	0.65	920	0.98	0.25	6.5	2.5	640
V340219		2.68	16.95	0.13	0.9	0.099	2.68	33.0	22.9	0.47	1160	1.29	0.10	6.4	2.3	580
V340220		1.84	17.65	0.15	1.0	0.041	2.21	21.5	30.0	0.52	639	0.35	0.87	7.3	1.9	620
V340221		1.74	17.35	0.14	1.0	0.038	2.15	21.0	32.3	0.55	586	0.39	0.99	7.3	1.7	620
V340222		1.77	16.95	0.14	1.1	0.168	2.91	5.1	11.2	0.68	1480	0.26	0.64	7.6	1.7	580
V340223		6.77	12.70	0.11	0.9	12.75	2.69	6.3	5.7	0.96	2550	0.46	0.12	5.6	2.1	480
V340224		0.49	0.26	0.13	<0.1	0.009	0.03	0.5	1.0	14.10	215	0.10	0.01	0.1	1.3	200
V340225		1.60	16.60	0.14	1.2	0.127	2.97	5.9	8.3	0.66	1780	0.37	0.58	7.9	1.6	600
V340226		3.93	16.50	0.12	1.1	0.120	3.25	22.2	61.7	0.95	1520	1.37	0.05	8.3	2.9	610
V340227		5.68	16.50	0.10	1.0	1.955	3.18	20.9	9.4	0.49	4740	2.16	0.03	6.3	2.1	470
V340228		3.16	16.75	0.12	1.2	0.077	2.54	17.8	135.0	0.58	997	1.22	0.08	9.1	2.2	610
V340229		3.39	15.85	0.15	1.0	0.125	2.94	29.0	28.0	0.97	1570	1.32	0.05	7.3	2.6	560
V340230		3.20	16.85	0.14	1.1	0.057	2.47	25.5	37.3	0.55	811	0.75	0.08	8.0	2.3	630
V340231		3.66	17.75	0.16	1.2	0.943	2.21	26.8	46.4	0.66	1050	1.11	0.05	8.5	2.2	660
V340232		5.14	15.10	0.12	1.0	0.545	3.09	22.8	16.6	1.01	2770	1.07	0.03	6.9	2.5	530



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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	0.01	0.005	0.1
V340197		38.3	103.5	<0.002	0.46	15.65	9.7	<1	1.8	107.5	0.57	0.06	11.35	0.263	2.9
V340198		355	124.5	<0.002	2.21	5.35	9.1	1	2.7	265	0.52	0.27	10.25	0.232	3.3
V340199		35.2	85.4	<0.002	2.08	1.69	14.5	1	1.4	810	0.44	0.30	5.70	0.394	2.0
V340200		614	139.0	<0.002	2.99	7.94	9.4	1	4.2	193.0	0.52	0.11	11.95	0.235	3.7
V340201		271	178.5	<0.002	1.74	7.27	12.1	1	3.1	155.0	0.64	0.12	14.60	0.264	4.8
V340202		374	157.5	<0.002	3.80	19.20	11.0	1	3.3	97.5	0.56	0.25	12.05	0.251	3.4
V340203		383	153.5	<0.002	3.95	20.3	11.1	1	3.3	98.0	0.55	0.23	11.50	0.247	3.3
V340204		75.1	133.5	<0.002	1.22	9.07	10.9	1	3.0	261	0.60	0.11	11.20	0.253	3.7
V340205		49.6	112.0	<0.002	0.35	39.8	8.8	1	2.4	141.5	0.56	<0.05	12.60	0.222	8.8
V340206		62.3	71.2	<0.002	0.56	41.4	10.0	1	2.7	219	0.60	0.27	11.60	0.249	5.2
V340207		1435	163.0	0.002	3.33	35.4	9.1	1	5.7	157.5	0.64	0.39	11.85	0.221	5.1
V340208		61.2	118.0	<0.002	0.42	2.52	11.8	1	1.8	380	0.64	0.11	12.80	0.292	3.7
V340209		413	138.5	<0.002	1.47	11.30	10.2	1	3.6	237	0.66	0.11	12.75	0.257	5.5
V340210		106.0	106.0	<0.002	0.10	6.05	11.3	1	3.1	229	0.67	<0.05	13.55	0.281	3.2
V340211		3710	133.0	<0.002	5.09	82.3	8.1	1	5.2	67.6	0.39	0.44	7.91	0.161	4.0
V340212		6.8	1.4	<0.002	<0.01	0.20	0.2	1	<0.2	49.5	<0.05	<0.05	0.11	<0.005	0.5
V340213		352	92.1	<0.002	0.43	12.25	9.7	1	3.0	121.0	0.65	0.06	11.60	0.272	4.2
V340214		86.2	69.6	<0.002	0.06	3.81	9.4	1	2.2	204	0.61	<0.05	9.88	0.252	2.4
V340215		110.5	57.0	<0.002	0.11	4.78	8.6	1	4.6	131.0	0.54	0.05	8.47	0.227	2.5
V340216		1410	159.0	<0.002	5.02	65.8	9.7	2	8.1	99.9	0.55	2.16	11.40	0.221	5.1
V340217		1360	84.5	0.002	0.52	9.70	9.1	1	5.8	111.5	0.59	0.07	9.88	0.244	3.0
V340218		87.7	95.6	<0.002	0.23	11.30	10.1	1	2.7	90.5	0.53	<0.05	11.25	0.228	3.1
V340219		214	141.5	<0.002	0.51	6.89	10.0	1	3.4	82.8	0.54	<0.05	12.40	0.216	3.7
V340220		12.1	95.7	<0.002	0.10	4.49	9.8	1	2.3	175.5	0.60	<0.05	10.90	0.244	3.2
V340221		9.7	84.9	<0.002	0.07	4.37	9.1	1	2.3	188.0	0.61	0.07	10.55	0.245	3.4
V340222		22.5	121.5	<0.002	0.09	3.89	8.9	1	2.4	122.5	0.66	<0.05	10.25	0.242	4.8
V340223		5330	169.5	<0.002	7.02	18.80	8.0	2	2.4	68.4	0.49	1.34	10.85	0.182	5.1
V340224		2.8	1.6	<0.002	<0.01	0.07	0.2	1	<0.2	48.4	<0.05	<0.05	0.13	<0.005	0.7
V340225		82.6	140.0	<0.002	0.22	4.43	9.2	1	2.4	121.5	0.70	<0.05	10.75	0.248	3.9
V340226		292	125.0	<0.002	0.79	16.05	10.0	1	2.5	126.0	0.66	<0.05	11.75	0.270	6.3
V340227		2140	169.5	<0.002	3.08	77.8	8.8	1	10.3	75.8	0.53	0.11	11.50	0.214	6.0
V340228		221	78.2	<0.002	0.15	16.85	9.7	1	2.3	172.5	0.72	<0.05	10.75	0.271	2.1
V340229		219	143.5	<0.002	0.41	12.10	10.1	1	2.1	140.5	0.59	<0.05	12.65	0.243	3.3
V340230		21.0	95.1	<0.002	0.15	22.7	10.8	1	2.1	95.4	0.67	<0.05	12.90	0.271	2.8
V340231		303	95.9	<0.002	0.39	26.2	11.3	1	2.3	86.1	0.67	<0.05	13.85	0.282	2.5
V340232		482	148.5	<0.002	2.44	58.8	9.6	1	3.5	90.3	0.57	<0.05	11.60	0.230	5.0



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To: ROCKHAVEN RESOURCES LTD.
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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150454

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	Au-AA24 Au ppm 0.005
V340197		72	3.2	14.2	93	27.9	<0.005
V340198		65	2.1	12.8	1000	25.6	0.178
V340199		124	1.1	18.0	121	93.7	0.020
V340200		65	2.9	12.4	1380	24.4	3.38
V340201		76	6.0	15.3	455	33.8	0.037
V340202		69	4.9	15.1	562	28.2	1.310
V340203		68	5.0	14.9	615	27.9	1.355
V340204		72	5.0	13.6	284	31.8	0.023
V340205		59	6.9	13.7	75	28.5	0.010
V340206		67	4.1	15.0	113	27.8	0.035
V340207		61	5.3	11.9	3250	42.8	0.795
V340208		80	2.4	17.8	153	31.0	0.012
V340209		69	2.5	14.5	659	31.4	0.082
V340210		78	2.0	18.5	1240	32.8	<0.005
V340211		54	5.5	8.8	>10000	17.4	2.99
V340212		2	0.1	0.8	46	<0.5	<0.005
V340213		71	3.9	14.0	2590	31.6	0.044
V340214		73	1.6	13.5	963	28.9	<0.005
V340215		73	1.7	11.3	488	24.4	<0.005
V340216		66	6.2	12.1	2550	32.5	0.922
V340217		99	2.6	13.4	1720	28.1	0.028
V340218		91	1.8	12.9	364	25.5	<0.005
V340219		69	2.6	13.0	500	26.6	0.010
V340220		75	1.8	12.5	65	28.7	<0.005
V340221		70	1.8	11.9	61	28.1	<0.005
V340222		66	1.4	12.8	87	30.5	<0.005
V340223		50	2.0	11.8	>10000	25.0	2.65
V340224		2	0.1	0.8	30	0.5	<0.005
V340225		71	1.8	13.8	213	34.2	0.013
V340226		71	3.3	13.6	746	33.7	0.555
V340227		58	6.5	8.4	6420	30.2	1.830
V340228		72	2.2	12.6	402	36.2	0.028
V340229		65	4.4	15.5	335	30.6	0.018
V340230		76	2.6	15.9	87	32.4	<0.005
V340231		74	3.1	16.0	1860	36.6	0.104
V340232		62	4.5	13.3	1320	28.2	0.291



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 17-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150454

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Zn-OG62
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

CERTIFICATE WH17150461

Project: Klaza

P.O. No.: 17-061

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND 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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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150461

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V341249		2.26	19.70	6.98	286	280	1.44	333	1.66	0.76	41.9	5.3	10	11.40	578	6.81
V341250		14.12	0.37	7.32	20.5	2300	1.60	1.31	2.41	0.13	46.6	7.5	14	14.00	67.9	3.08
V341251		4.02	7.68	6.22	175.5	640	1.23	11.90	0.78	5.37	29.0	6.3	9	9.17	70.1	6.31
V341252		9.63	0.70	7.12	21.3	2290	1.61	1.38	2.54	1.95	46.8	7.7	9	14.35	23.3	2.95
V341253		4.31	0.63	7.58	52.0	1790	1.58	1.42	2.61	1.77	54.8	5.8	8	13.80	37.1	3.40
V341254		4.44	0.43	7.84	22.1	2170	1.67	1.24	2.39	0.51	61.9	8.8	9	15.15	16.0	3.63
V341255		12.80	0.24	7.64	12.5	2600	1.60	0.55	2.85	0.19	47.7	4.2	12	10.85	39.2	2.95
V341256		10.20	0.38	7.68	15.9	1970	1.67	0.67	2.27	0.48	52.1	4.2	9	18.70	48.6	2.75
V341257		4.21	0.29	7.48	19.0	1880	1.65	0.74	2.23	0.51	44.8	4.9	9	19.05	47.7	2.80
V341258		4.30	0.53	7.86	40.9	880	1.43	1.02	1.87	1.16	50.5	4.8	10	14.05	10.1	3.39
V341259		2.42	0.12	8.56	11.0	2760	1.33	0.79	0.67	0.10	53.8	5.9	10	8.11	7.4	3.12
V341260		2.30	6.00	7.24	3850	310	1.63	6.36	0.84	1.80	58.5	5.0	10	13.00	140.0	5.88
V341261		0.34	4.77	6.88	720	510	1.44	3.40	2.09	11.35	52.9	10.7	27	14.00	317	5.12
V341262		6.98	3.11	7.08	160.5	310	1.41	4.76	0.61	0.80	53.0	15.0	9	6.29	39.4	5.49
V341263		4.55	6.80	4.65	543	140	0.83	8.87	1.43	2.97	21.7	40.7	7	5.12	38.3	11.15
V341264		5.02	1.31	7.78	169.0	680	1.26	2.37	1.69	1.38	58.5	11.8	10	14.05	28.5	4.60
V341265		7.02	2.21	6.97	235	530	1.34	2.01	2.12	5.10	48.9	6.5	13	16.80	108.0	4.95
V341266		6.01	0.02	0.11	1.6	50	0.06	0.04	21.0	0.07	1.48	0.9	2	0.30	2.0	0.49
V341267		3.95	0.48	7.48	53.6	1370	1.37	1.05	1.93	0.61	48.6	7.1	10	17.15	14.6	3.75
V341268		4.39	1.39	7.53	117.0	1190	1.49	3.08	2.44	0.59	54.5	9.0	9	18.00	63.9	3.71
V341269		8.15	2.21	8.30	483	1960	1.64	1.25	0.27	6.18	53.6	7.2	10	22.0	54.8	4.21
V341270		9.29	3.86	7.71	1175	1520	2.14	1.31	0.50	9.28	48.7	5.9	12	25.0	35.7	3.40
V341271		<0.02	3.96	7.66	1175	1490	2.12	1.33	0.50	9.13	49.0	5.9	11	25.0	35.3	3.41
V341272		9.61	0.09	6.15	46.6	1140	1.79	0.16	2.45	0.82	29.0	6.6	11	30.7	11.9	2.46
V341273		5.57	0.16	6.64	96.7	1590	1.96	0.14	2.39	2.85	35.2	7.0	13	29.3	8.6	2.84
V341274		6.22	2.72	8.08	605	2010	1.74	1.34	0.30	9.45	51.1	6.8	10	36.6	23.3	4.19
V341275		0.34	11.00	6.51	1500	640	1.21	11.65	1.82	31.8	44.5	17.4	19	13.65	275	6.51
V341276		5.65	0.55	8.41	303	950	1.70	0.16	0.97	2.47	62.5	7.5	9	32.2	15.5	3.40
V341277		11.40	3.62	7.90	437	1420	1.53	1.17	0.53	2.98	42.7	7.7	9	18.55	325	4.18
V341278		13.12	0.09	8.26	110.5	1970	1.57	0.19	1.11	2.12	47.6	6.8	10	13.40	8.9	3.36
V341279		5.65	1.48	7.79	418	1520	1.39	1.19	0.35	9.46	74.8	10.0	8	18.50	27.4	5.10
V341280		6.16	0.02	0.09	2.2	20	0.06	0.03	20.6	0.08	1.30	0.9	1	0.19	1.8	0.48
V341281		0.26	0.44	7.85	118.5	1830	1.78	0.50	1.09	4.83	48.6	9.2	8	12.75	14.1	3.79
V341282		13.99	0.22	7.39	32.6	2130	1.56	0.43	2.44	0.63	41.8	8.7	9	13.25	12.6	3.17
V341283		13.61	0.27	7.24	15.1	2240	1.56	0.26	2.68	0.19	38.0	8.8	10	15.65	73.9	3.01
V341284		8.11	6.38	7.24	472	1050	1.55	0.61	2.58	23.8	48.9	6.4	8	13.70	72.2	4.52



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150461

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
V341249		14.60	0.15	1.2	0.419	3.02	21.1	6.9	0.51	551	1.23	0.63	6.9	2.6	560	238
V341250		14.40	0.07	1.2	0.120	2.90	24.3	11.1	0.74	658	2.54	1.86	7.5	3.2	630	20.5
V341251		12.50	0.05	0.9	0.273	2.87	15.2	8.3	0.45	676	1.95	0.04	5.5	2.3	420	179.5
V341252		13.65	0.06	1.2	0.334	3.34	24.3	14.4	0.69	979	2.36	0.92	7.2	2.5	580	181.0
V341253		14.30	0.08	1.1	0.268	3.36	29.3	11.5	0.80	1200	6.81	1.15	6.6	2.2	630	51.6
V341254		15.50	0.09	1.1	0.357	3.41	33.7	11.4	0.93	1380	1.95	0.98	7.4	2.7	630	40.6
V341255		14.25	0.08	1.0	0.190	2.85	24.1	9.0	0.88	763	2.19	2.32	7.2	2.7	660	21.3
V341256		14.70	0.09	1.0	0.196	2.80	27.4	15.8	0.81	781	2.97	1.27	7.7	2.6	650	21.1
V341257		15.10	0.06	1.0	0.227	2.81	21.9	17.9	0.79	785	2.87	1.12	7.5	2.4	650	21.4
V341258		15.15	0.07	1.1	0.261	2.65	26.7	32.2	0.77	1290	5.12	0.05	7.9	3.1	650	34.9
V341259		16.35	0.06	1.0	0.131	2.33	28.7	30.5	0.41	643	2.02	0.05	8.4	6.7	730	9.4
V341260		14.45	0.07	1.0	0.317	3.42	33.5	7.7	0.61	1540	3.66	0.03	6.8	2.5	520	144.5
V341261		13.65	0.07	1.1	0.310	3.03	30.6	26.4	0.80	1960	14.75	0.15	6.0	13.6	520	494
V341262		14.00	0.08	1.0	0.386	3.52	29.4	5.7	0.61	1080	5.09	0.05	6.2	2.1	550	84.4
V341263		11.65	0.09	0.6	0.189	2.13	10.9	14.7	0.64	1780	9.69	0.03	3.9	4.3	340	264
V341264		16.95	0.19	1.3	0.198	3.39	32.8	6.2	0.81	1360	2.53	0.05	7.8	3.5	590	68.5
V341265		14.95	0.18	1.0	0.233	2.97	26.8	16.0	0.84	1960	14.60	0.05	7.1	2.6	530	127.5
V341266		0.41	0.28	<0.1	0.007	0.05	0.7	1.2	13.25	208	0.51	0.01	0.2	2.0	350	2.2
V341267		16.80	0.16	1.1	0.128	3.08	25.5	21.3	0.68	1100	2.43	0.07	8.4	2.6	620	33.9
V341268		16.40	0.17	1.1	0.239	3.21	30.4	11.1	1.04	1110	7.15	0.06	7.7	2.5	580	42.5
V341269		17.80	0.18	1.4	0.164	3.59	28.7	16.7	0.23	1600	1.35	0.37	8.6	3.7	610	211
V341270		18.55	0.17	2.2	0.210	2.73	25.3	53.5	0.20	1240	2.08	0.05	9.5	4.5	590	373
V341271		18.30	0.15	2.2	0.202	2.65	25.9	53.7	0.20	1240	2.06	0.05	9.4	4.5	590	367
V341272		19.30	0.18	2.5	0.036	2.73	13.0	44.8	0.23	607	0.59	0.06	9.2	4.4	760	15.5
V341273		19.65	0.17	2.8	0.032	2.84	15.7	28.2	0.36	717	1.41	0.06	8.7	5.7	820	18.2
V341274		17.95	0.18	1.2	0.296	3.20	27.0	18.6	0.25	2090	2.23	0.05	8.1	3.7	610	379
V341275		15.15	0.18	1.0	0.770	2.84	23.1	17.4	0.76	1800	8.71	0.12	6.5	11.5	520	1295
V341276		17.90	0.19	1.0	0.043	2.89	34.0	33.6	0.30	1200	0.84	0.09	8.9	2.9	660	47.8
V341277		16.55	0.17	0.9	0.336	2.36	23.7	27.1	0.16	1540	1.11	0.05	7.9	2.8	630	56.3
V341278		17.25	0.20	0.9	0.050	2.57	25.8	19.6	0.53	804	0.71	1.29	9.0	2.9	690	21.6
V341279		17.10	0.21	0.8	0.128	2.84	44.0	19.3	0.31	3060	1.30	0.27	7.6	3.2	630	181.5
V341280		0.37	0.40	<0.1	0.005	0.03	0.6	1.1	13.00	204	0.21	0.01	0.2	1.4	200	1.7
V341281		16.65	0.11	0.8	0.133	2.92	25.7	19.9	0.54	1930	0.44	1.18	8.2	3.1	630	85.3
V341282		16.35	0.11	1.0	0.072	2.55	20.9	12.5	0.69	784	0.37	1.79	8.1	2.8	630	19.4
V341283		16.85	0.14	0.9	0.065	2.31	18.4	13.8	0.69	632	0.75	1.90	8.1	2.8	620	13.5
V341284		15.80	0.08	1.3	0.412	3.30	26.5	7.5	0.97	6450	0.63	0.11	7.6	2.5	550	1395



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Page: 2 - C
Total # Pages: 2 (A - D)
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CERTIFICATE OF ANALYSIS WH17150461

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V341249		154.5	<0.002	5.94	7.21	9.7	1	7.0	139.0	0.63	0.97	11.15	0.222	2.10	4.4	65
V341250		113.5	<0.002	0.42	8.65	9.1	<1	2.1	292	0.64	0.21	11.00	0.257	1.65	3.7	71
V341251		154.0	<0.002	5.96	21.4	7.4	1	6.7	24.6	0.47	0.68	9.54	0.186	2.08	3.6	56
V341252		141.0	<0.002	0.92	5.65	8.2	1	2.8	173.5	0.69	0.38	11.90	0.230	2.25	5.0	67
V341253		181.0	0.003	1.37	6.02	9.6	1	3.1	152.5	0.54	0.31	11.80	0.248	2.52	4.7	77
V341254		212	0.002	0.79	4.81	10.0	1	3.5	146.5	0.62	0.22	12.90	0.262	2.84	4.6	75
V341255		105.0	<0.002	0.17	4.16	9.5	1	2.4	364	0.57	0.12	10.30	0.277	1.63	3.2	77
V341256		117.0	0.002	0.24	11.55	9.5	<1	2.8	197.0	0.62	0.20	11.75	0.268	1.80	4.4	73
V341257		102.0	<0.002	0.28	11.80	9.3	<1	3.3	175.0	0.62	0.15	10.10	0.271	1.79	3.9	76
V341258		118.5	0.004	0.66	10.35	10.3	<1	3.7	65.3	0.65	0.28	12.15	0.278	1.96	6.8	78
V341259		126.5	0.004	0.57	7.87	11.7	<1	2.5	55.3	0.70	0.21	14.25	0.294	1.48	2.5	87
V341260		213	0.003	4.10	58.8	9.0	1	6.5	22.8	0.58	0.32	13.30	0.229	2.84	4.9	66
V341261		164.0	0.004	2.68	27.8	8.3	1	5.7	109.5	0.50	0.35	11.45	0.207	2.54	5.2	67
V341262		211	0.009	3.86	7.77	8.2	1	9.3	18.4	0.53	0.45	11.70	0.210	2.70	4.1	67
V341263		125.0	0.008	>10.0	31.5	5.2	2	12.6	29.7	0.30	1.19	6.82	0.122	1.59	5.3	42
V341264		181.5	0.003	2.47	13.80	9.8	1	6.1	64.3	0.65	0.40	14.45	0.242	2.59	6.6	70
V341265		165.5	0.032	2.82	21.4	9.3	1	4.8	68.4	0.59	0.11	12.40	0.223	2.41	6.8	65
V341266		2.4	<0.002	0.01	0.17	0.2	<1	<0.2	49.0	<0.05	<0.05	0.15	<0.005	0.02	0.8	2
V341267		133.0	0.004	1.37	10.65	10.7	1	4.7	84.4	0.68	0.10	13.40	0.264	2.25	6.1	73
V341268		204	0.033	1.74	17.85	9.7	1	5.0	91.7	0.61	0.65	13.95	0.235	2.80	7.5	67
V341269		177.5	<0.002	0.04	13.55	11.1	1	3.1	71.1	0.71	<0.05	15.20	0.267	2.69	3.9	74
V341270		141.0	<0.002	0.07	20.5	8.8	1	2.9	181.0	0.81	0.05	11.90	0.257	2.13	5.0	65
V341271		141.0	<0.002	0.06	20.6	8.6	1	2.9	180.5	0.79	0.05	12.00	0.251	2.04	4.9	64
V341272		86.1	<0.002	0.04	9.38	6.0	1	2.3	94.7	0.63	<0.05	5.44	0.293	1.32	2.6	70
V341273		90.4	<0.002	0.07	7.87	6.9	1	1.5	117.5	0.61	<0.05	6.29	0.300	1.36	3.6	73
V341274		182.5	<0.002	0.17	14.60	10.7	1	3.1	99.8	0.60	<0.05	11.90	0.281	2.72	3.9	77
V341275		164.5	0.002	4.50	62.2	8.8	2	7.9	94.0	0.57	1.01	11.05	0.202	2.48	5.1	60
V341276		145.5	<0.002	0.04	9.38	11.4	1	2.0	58.8	0.77	<0.05	19.20	0.280	2.16	3.7	76
V341277		129.5	<0.002	0.03	35.0	10.6	1	3.3	30.7	0.62	<0.05	10.40	0.256	1.81	3.2	72
V341278		116.0	<0.002	0.01	5.97	12.0	1	2.4	199.5	0.74	<0.05	12.60	0.290	1.36	2.0	79
V341279		149.0	<0.002	0.06	10.45	11.2	1	3.5	71.2	0.55	0.24	16.15	0.254	2.27	3.9	73
V341280		1.4	<0.002	<0.01	0.12	0.2	<1	<0.2	45.6	<0.05	<0.05	0.15	<0.005	<0.02	0.8	2
V341281		153.5	<0.002	0.08	3.92	11.0	1	2.5	188.0	0.66	<0.05	13.90	0.271	2.01	2.3	72
V341282		106.0	<0.002	0.05	3.57	10.3	1	2.5	302	0.58	<0.05	11.85	0.266	1.33	1.8	73
V341283		86.8	<0.002	0.06	7.59	10.4	1	2.5	346	0.60	<0.05	10.25	0.267	1.19	2.0	74
V341284		184.5	<0.002	1.76	13.35	10.3	1	4.0	58.8	0.63	<0.05	13.55	0.239	3.17	4.1	67



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150461

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V341249		2.3	13.3	70	32.4	0.371
V341250		2.0	13.5	53	29.8	0.012
V341251		5.5	6.1	471	23.5	0.154
V341252		1.7	13.0	190	30.0	0.026
V341253		2.3	13.4	190	27.0	0.030
V341254		1.9	13.6	97	26.2	0.010
V341255		1.1	15.3	65	24.2	<0.005
V341256		1.6	14.8	81	24.4	0.008
V341257		1.8	13.5	84	23.0	0.006
V341258		3.2	13.8	140	26.7	0.069
V341259		3.4	17.1	46	24.0	<0.005
V341260		4.3	9.0	162	23.4	1.660
V341261		5.5	11.3	879	28.7	0.366
V341262		5.1	7.0	91	23.0	0.170
V341263		6.1	6.9	244	16.2	0.650
V341264		4.5	13.0	137	33.7	0.080
V341265		5.1	12.6	473	26.3	0.134
V341266		0.1	0.9	19	<0.5	<0.005
V341267		5.1	15.0	80	28.3	0.019
V341268		3.5	13.7	78	29.5	0.045
V341269		5.6	16.4	1100	35.8	0.169
V341270		4.7	14.7	1030	70.5	0.584
V341271		4.7	14.9	1020	70.2	0.596
V341272		7.3	8.7	304	82.4	<0.005
V341273		3.1	10.4	408	94.9	0.009
V341274		8.7	13.4	1000	37.6	0.364
V341275		5.9	11.6	2320	29.4	0.890
V341276		2.6	18.1	494	24.0	0.011
V341277		5.0	18.4	509	18.9	0.068
V341278		3.5	18.0	403	21.1	<0.005
V341279		4.1	18.1	1130	18.3	0.066
V341280		0.1	0.8	19	<0.5	<0.005
V341281		2.7	14.8	763	20.0	0.006
V341282		1.4	13.9	169	22.0	0.005
V341283		1.3	14.5	70	23.0	0.007
V341284		5.3	14.7	2860	32.3	0.146



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 25-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150461

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE WH17150465

Project: Klaza

P.O. No.: 17-067

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150465

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
W588091		6.84	0.72	7.19	403	780	1.55	0.16	2.52	0.60	45.9	7.5	8	20.8	9.2	3.30
W588092		3.46	5.26	6.73	563	330	1.45	4.15	1.95	21.9	46.2	12.6	8	17.00	150.5	4.96
W588093		5.09	1.21	7.61	112.5	1930	1.75	0.78	2.83	17.70	50.5	6.6	8	23.5	39.8	3.74
W588094		4.80	0.12	7.89	15.8	810	1.56	0.11	1.87	0.26	50.0	7.2	9	32.3	15.2	2.88
W588095		8.76	1.46	7.24	353	1740	1.62	1.72	2.38	0.55	46.7	6.9	7	25.9	20.3	3.04
W588096		8.51	0.29	7.18	26.9	4030	1.56	0.30	1.75	0.64	50.8	8.3	7	26.0	30.6	3.51
W588097		<0.02	0.31	6.98	26.3	4190	1.48	0.33	1.73	0.57	47.2	8.8	6	25.6	28.0	3.33
W588098		7.66	1.19	7.12	372	2040	1.52	0.61	2.86	7.59	46.3	6.7	8	14.75	26.1	3.85
W588099		4.17	0.88	6.91	665	1650	1.27	0.66	3.77	15.20	46.7	6.1	8	17.25	18.3	3.01
W588100		4.71	0.09	7.02	12.4	2190	1.18	0.15	2.35	0.20	36.1	7.8	8	19.15	13.1	2.54
W588101		2.56	9.19	6.63	319	1120	1.67	3.09	3.03	8.52	32.6	10.1	14	20.8	578	4.14
W588102		6.03	0.01	0.10	0.5	30	0.05	0.03	21.1	0.06	1.33	0.6	1	0.22	2.4	0.48
W588103		4.84	0.15	7.40	14.8	2040	1.48	0.12	2.64	0.21	44.2	6.3	11	18.60	15.0	3.09
W588104		6.28	0.13	7.99	12.2	1410	1.28	0.23	1.40	0.24	48.4	6.9	9	11.30	39.7	2.45
W588105		4.28	0.09	7.75	7.3	1110	1.49	0.13	2.48	0.14	42.8	6.0	13	13.90	27.0	3.01
W588106		0.30	9.68	6.86	1865	1080	1.52	6.14	1.94	42.1	45.9	17.8	21	16.50	113.5	5.38
W588107		2.36	2.23	5.77	109.0	710	1.27	0.62	5.19	4.06	43.5	8.8	7	10.40	34.4	3.48
W588108		11.75	0.40	7.37	175.0	1270	1.21	0.24	2.55	0.18	47.3	7.6	9	20.5	79.5	2.70
W588109		8.03	0.18	6.94	27.7	940	1.18	0.79	2.87	0.14	36.2	7.3	10	22.7	42.5	2.95
W588110		9.10	0.12	7.17	12.9	1180	1.33	0.20	2.84	0.12	36.6	7.5	11	9.63	23.1	3.06
W588111		8.12	0.28	6.70	36.9	1020	1.27	0.24	2.23	0.47	39.9	5.4	8	16.85	50.0	2.11
W588112		9.45	0.85	7.36	119.0	800	1.22	1.02	0.89	1.58	44.0	7.9	9	13.55	23.4	2.35
W588113		6.03	0.01	0.13	<0.2	30	0.08	0.03	21.2	0.06	1.20	0.6	1	1.20	1.8	0.51
W588114		8.94	0.50	7.34	47.2	840	1.23	0.25	2.10	0.42	42.7	6.8	9	21.7	88.4	2.34
W588115		7.21	0.39	7.46	39.1	1040	1.41	0.21	2.84	0.32	40.3	8.0	12	16.60	51.8	2.71
W588116		7.09	3.65	5.77	420	350	1.01	5.36	0.77	0.97	38.1	6.3	11	6.11	16.3	4.68
W588117		0.30	4.38	6.83	744	460	1.27	3.26	2.09	9.90	48.4	11.8	27	12.90	316	5.14
W588118		11.30	1.49	7.77	353	740	1.44	0.91	0.64	1.39	50.5	7.9	12	13.55	63.7	3.25
W588119		5.56	0.81	6.20	347	550	1.24	0.62	0.23	0.32	36.5	6.8	11	14.50	19.5	1.49
W588120		9.03	0.61	8.07	195.0	970	1.54	0.39	1.60	0.48	51.7	8.9	15	12.75	63.9	2.84
W588121		13.40	2.71	7.59	850	890	1.32	1.10	1.98	4.37	41.1	7.3	10	13.60	131.5	3.23
W588122		4.41	3.53	7.61	972	850	1.39	1.11	2.23	4.42	44.3	8.1	10	14.00	181.0	3.48
W588123		3.12	6.03	8.47	665	860	1.35	0.72	0.30	4.02	56.0	10.1	13	15.15	217	2.82
W588124		14.44	3.73	7.60	1775	850	1.48	1.87	0.36	8.04	51.7	11.3	11	14.95	85.0	3.05
W588125		12.05	1.59	7.99	333	850	2.15	0.85	2.10	1.75	58.6	9.6	12	26.5	37.2	3.21
W588126		6.77	1.23	7.23	141.0	1350	1.55	0.65	3.06	3.27	38.4	9.3	9	26.7	47.4	3.77



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150465

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588091		14.90	0.14	1.1	0.085	3.03	23.8	17.2	0.91	1700	1.38	0.04	7.3	2.4	580
W588092		13.40	0.13	0.9	0.569	2.86	24.2	16.5	0.81	2430	1.77	0.03	6.1	5.4	510
W588093		14.80	0.13	1.0	0.798	3.18	26.9	81.3	0.83	1670	1.11	0.07	7.1	2.9	570
W588094		15.05	0.13	1.0	0.036	2.98	27.0	104.5	0.71	756	0.95	0.06	7.6	2.4	600
W588095		13.90	0.12	0.9	0.042	2.38	24.9	79.7	0.89	1120	1.01	0.03	7.0	2.4	580
W588096		13.85	0.13	0.9	0.051	2.46	28.7	120.5	0.80	996	1.09	0.04	6.5	2.2	550
W588097		13.75	0.13	0.9	0.054	2.38	26.0	123.0	0.78	958	1.11	0.03	6.5	2.1	550
W588098		14.00	0.13	1.0	0.358	3.18	24.3	14.8	1.14	3110	1.05	0.03	7.2	2.3	560
W588099		12.90	0.14	0.9	0.448	2.82	25.9	35.0	1.55	1580	1.10	0.04	6.4	2.1	520
W588100		14.45	0.13	0.9	0.036	2.81	18.0	174.5	0.41	618	1.22	0.13	7.5	1.7	610
W588101		12.70	0.12	0.8	0.579	2.65	17.3	83.3	0.73	1640	6.15	0.04	5.9	2.8	490
W588102		0.22	0.11	<0.1	<0.005	0.03	0.6	1.9	13.25	200	0.10	0.01	0.1	1.3	180
W588103		14.80	0.12	1.1	0.045	2.99	22.2	41.1	0.72	764	1.81	1.66	7.7	2.3	580
W588104		13.75	0.17	0.7	0.028	2.64	27.8	14.5	0.51	246	11.55	2.06	7.5	3.0	440
W588105		14.35	0.12	0.7	0.030	2.34	22.9	19.5	0.87	488	1.54	1.88	8.6	3.3	500
W588106		14.15	0.13	1.2	0.927	2.93	24.2	24.4	0.73	2010	12.60	0.28	7.2	15.5	510
W588107		10.95	0.11	0.6	0.168	2.61	24.4	12.8	1.83	3500	57.8	0.05	7.2	3.6	370
W588108		13.65	0.14	0.7	0.031	2.57	25.4	43.9	0.83	751	12.05	0.22	8.9	3.3	460
W588109		13.30	0.11	0.6	0.031	2.47	18.7	52.6	0.91	713	2.67	0.44	8.4	3.5	480
W588110		13.05	0.11	0.6	0.028	2.55	18.8	13.7	0.78	712	6.89	1.55	7.7	3.5	500
W588111		11.65	0.12	0.7	0.026	2.73	21.2	40.1	0.76	1060	4.91	0.06	7.4	2.7	360
W588112		12.75	0.13	0.9	0.114	3.28	24.6	8.4	0.42	931	5.68	0.05	8.4	3.4	380
W588113		0.29	0.13	<0.1	<0.005	0.07	0.6	1.5	13.45	220	0.08	0.01	0.2	1.7	180
W588114		13.75	0.13	0.6	0.045	2.52	22.4	38.3	0.77	795	5.44	0.07	8.4	3.2	490
W588115		14.55	0.13	0.5	0.050	2.71	19.8	28.4	0.99	1190	24.9	0.08	7.7	4.3	540
W588116		12.25	0.11	0.4	0.157	2.77	19.5	9.9	0.53	1520	127.5	0.04	5.1	3.8	430
W588117		14.00	0.12	0.9	0.302	3.01	26.9	24.0	0.79	1920	14.90	0.15	5.6	14.0	540
W588118		15.30	0.12	0.5	0.150	3.55	26.8	6.5	0.51	1480	49.8	0.05	7.1	5.0	500
W588119		13.00	0.13	0.5	0.079	2.81	18.6	9.3	0.28	271	30.9	0.04	5.7	2.5	370
W588120		14.45	0.14	0.6	0.059	3.49	27.9	11.8	0.61	1550	11.00	0.05	8.0	4.7	530
W588121		14.30	0.12	0.5	0.186	2.98	21.6	14.6	0.62	1190	20.3	0.48	7.3	4.5	510
W588122		14.30	0.13	0.5	0.171	2.86	23.6	14.7	0.65	1140	18.10	0.62	7.2	4.7	510
W588123		15.60	0.13	0.5	0.143	3.89	31.0	3.5	0.26	942	10.00	0.05	7.8	5.4	550
W588124		15.45	0.14	0.5	0.127	3.42	28.8	8.4	0.32	904	36.6	0.05	7.6	4.9	480
W588125		15.60	0.16	1.0	0.102	3.20	31.4	43.7	0.84	1840	21.5	0.06	8.7	5.5	690
W588126		14.50	0.12	0.6	0.171	2.80	19.3	24.2	1.04	2590	13.00	0.05	7.9	5.0	520



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150465

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W588091		132.5	<0.002	0.58	11.65	9.7	1	2.0	123.0	0.59	<0.05	12.60	0.242	2.80	4.9	66
W588092		155.0	<0.002	2.67	33.5	9.2	1	3.5	101.0	0.48	0.08	11.60	0.214	2.33	4.5	60
W588093		148.5	<0.002	0.54	10.85	9.8	1	2.3	141.5	0.54	<0.05	13.50	0.243	2.42	4.0	66
W588094		128.5	<0.002	0.14	10.95	10.3	1	1.5	131.0	0.58	<0.05	14.00	0.264	1.86	3.4	71
W588095		106.0	<0.002	0.65	14.40	9.8	1	2.9	154.5	0.55	<0.05	12.20	0.247	2.02	4.5	65
W588096		126.0	<0.002	0.46	13.45	9.4	1	3.8	178.5	0.50	0.05	13.25	0.233	1.94	6.5	67
W588097		114.5	<0.002	0.44	13.15	9.4	1	3.6	178.0	0.50	0.05	12.55	0.228	1.92	6.1	65
W588098		142.0	<0.002	1.20	11.95	9.5	1	2.6	134.5	0.57	<0.05	12.25	0.238	2.87	4.5	63
W588099		141.5	<0.002	0.65	7.04	8.8	1	2.3	157.0	0.53	<0.05	12.55	0.218	2.09	5.1	58
W588100		91.9	<0.002	0.12	31.5	9.0	1	1.5	158.5	0.57	0.05	10.20	0.263	1.32	2.2	71
W588101		133.5	<0.002	1.77	289	8.8	1	2.0	112.5	0.47	0.22	11.90	0.208	2.07	5.3	63
W588102		1.3	<0.002	<0.01	0.25	0.2	1	<0.2	49.5	<0.05	<0.05	0.15	<0.005	<0.02	0.8	2
W588103		104.0	<0.002	0.12	6.17	9.2	1	1.7	285	0.60	<0.05	11.35	0.254	1.48	3.3	69
W588104		114.0	<0.002	0.27	2.96	7.6	1	1.6	273	0.63	<0.05	14.80	0.231	0.97	2.6	65
W588105		94.3	<0.002	0.13	2.18	9.4	1	2.0	286	0.76	<0.05	13.80	0.268	0.95	3.1	79
W588106		163.5	0.002	3.19	34.8	8.7	1	5.5	156.5	0.55	0.28	11.95	0.209	2.40	4.9	59
W588107		158.5	0.007	1.15	18.10	7.1	1	2.6	105.0	0.79	0.07	12.00	0.188	2.19	9.4	57
W588108		100.5	0.002	0.53	15.95	9.0	1	2.4	126.0	0.86	<0.05	14.85	0.255	1.61	4.2	75
W588109		79.3	<0.002	0.31	7.57	8.2	1	1.7	147.5	0.68	<0.05	11.35	0.252	1.41	3.3	75
W588110		88.3	0.003	0.25	13.40	8.5	1	1.7	275	0.72	0.11	11.10	0.268	1.06	2.6	81
W588111		108.5	0.005	0.33	14.85	6.3	1	1.4	80.0	0.72	<0.05	14.25	0.197	1.92	4.2	55
W588112		143.5	0.003	1.16	63.4	7.2	1	1.4	32.0	0.89	0.07	17.10	0.210	1.56	4.5	62
W588113		5.1	<0.002	0.01	0.13	0.2	1	<0.2	49.3	<0.05	<0.05	0.29	<0.005	0.04	1.2	2
W588114		92.6	0.005	0.45	31.8	8.3	1	1.7	148.5	0.71	0.06	13.00	0.261	1.76	3.3	74
W588115		105.0	0.006	0.44	22.0	10.5	1	2.9	136.0	0.62	<0.05	10.65	0.297	2.16	3.6	92
W588116		168.5	0.072	3.84	51.8	8.6	1	2.6	23.1	0.42	0.23	8.92	0.199	1.81	1.8	86
W588117		153.5	0.004	2.77	28.6	8.8	1	5.1	109.0	0.44	0.31	10.95	0.200	2.32	4.6	66
W588118		178.0	0.014	1.76	61.6	11.2	1	2.6	33.8	0.60	0.05	12.90	0.275	1.90	2.9	96
W588119		152.0	0.007	0.88	131.5	8.2	1	3.4	25.8	0.51	<0.05	10.95	0.215	1.38	3.3	74
W588120		185.5	0.012	0.94	35.5	10.8	1	1.5	56.2	0.72	<0.05	14.35	0.287	2.60	4.4	88
W588121		143.0	0.021	1.44	41.2	10.6	1	2.5	155.5	0.62	0.05	12.10	0.278	1.74	2.8	88
W588122		139.0	0.019	1.60	44.8	10.8	1	2.9	182.0	0.60	0.06	12.35	0.276	1.63	2.9	89
W588123		167.0	0.010	2.13	120.0	11.4	1	2.6	34.9	0.63	0.08	14.30	0.323	1.62	3.0	102
W588124		163.0	0.061	2.04	69.9	11.4	1	7.2	42.9	0.61	0.09	11.65	0.286	1.65	2.7	92
W588125		173.0	0.011	1.30	19.80	10.9	1	3.4	169.0	0.61	<0.05	11.15	0.305	2.67	6.8	88
W588126		113.0	0.007	0.91	11.60	10.9	1	3.8	176.5	0.65	<0.05	9.88	0.293	2.36	3.8	94



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150465

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588091		5.7	14.2	85	32.4	0.097
W588092		4.6	13.1	1660	26.8	5.79
W588093		3.3	14.9	1200	31.6	0.132
W588094		2.7	13.7	63	31.6	0.007
W588095		6.2	14.4	94	28.9	0.046
W588096		4.9	14.4	94	27.1	0.008
W588097		4.9	14.3	83	27.5	0.007
W588098		6.6	14.5	669	30.9	0.182
W588099		5.8	13.4	1080	29.2	0.323
W588100		4.1	13.4	60	28.8	<0.005
W588101		4.1	13.4	663	24.9	0.812
W588102		0.1	0.8	16	<0.5	<0.005
W588103		2.2	15.4	51	32.7	<0.005
W588104		3.6	10.5	59	21.5	0.006
W588105		9.6	13.4	52	17.9	<0.005
W588106		4.8	12.0	3080	39.5	0.789
W588107		4.9	13.0	464	17.0	0.163
W588108		10.7	13.7	48	17.9	0.047
W588109		4.0	13.2	47	17.0	<0.005
W588110		5.4	11.4	41	13.6	0.011
W588111		4.0	10.6	69	20.2	0.024
W588112		4.1	7.7	227	23.2	0.052
W588113		0.1	0.8	18	<0.5	<0.005
W588114		3.1	11.3	61	17.6	0.012
W588115		4.7	12.9	61	11.7	0.013
W588116		6.6	5.7	111	8.9	0.198
W588117		4.7	11.9	896	28.7	0.370
W588118		7.1	7.7	173	10.0	0.210
W588119		5.5	5.8	43	10.2	0.060
W588120		4.7	13.5	88	13.5	0.009
W588121		5.6	11.1	505	11.1	0.152
W588122		5.5	12.0	469	11.3	0.229
W588123		6.8	5.9	417	11.4	0.125
W588124		6.3	7.4	694	10.6	0.372
W588125		5.7	15.6	215	33.7	0.119
W588126		5.1	13.3	343	17.7	0.056



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150465

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-AUG-2017
Account: ROCKHA

CERTIFICATE WH17150469

Project: Klaza

P.O. No.: 17-064

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150469

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V341285		5.84	3.42	7.03	3070	750	1.67	0.69	2.90	13.30	42.1	8.4	9	17.40	18.7	4.67
V341286		8.90	0.47	4.71	94.9	340	1.35	0.86	2.57	0.13	85.0	32.3	7	14.40	9.6	3.06
V341287		5.09	0.33	6.64	31.8	2430	1.39	0.36	1.49	0.13	34.8	5.8	7	16.60	9.9	3.26
V341288		4.94	0.22	6.82	27.1	4080	1.49	0.25	1.91	0.13	44.8	8.5	7	30.8	13.7	2.72
V341289		3.74	2.60	7.14	142.5	1730	1.43	0.20	2.37	34.5	48.6	3.2	9	19.80	46.6	3.38
V341290		12.58	0.08	7.40	7.7	2510	1.62	0.22	2.45	0.11	46.3	6.8	11	11.10	8.7	3.18
V341291		8.39	0.69	7.16	29.6	2570	1.56	1.07	2.49	0.43	43.6	18.7	12	13.55	3.7	3.65
V341292		13.09	0.20	7.62	11.4	2640	1.48	0.37	2.56	0.48	47.5	8.6	9	11.70	12.3	3.16
V341293		5.24	6.27	6.88	419	310	1.31	6.16	1.00	6.93	40.4	101.0	8	7.85	10.8	9.38
V341294		4.54	1.44	7.06	1010	430	1.83	0.27	2.95	0.70	60.1	7.8	16	15.25	13.2	2.53
V341295		10.56	0.83	7.16	575	860	1.96	0.18	2.33	0.28	57.1	8.2	16	16.80	15.5	2.63
V341296		4.45	0.78	7.55	577	1300	2.03	0.17	2.42	0.24	62.6	8.5	17	17.60	19.9	2.56
V341297		4.00	5.55	7.06	282	420	1.48	4.05	1.41	3.56	35.2	9.1	7	13.20	25.0	5.17
V341298		7.83	7.50	6.81	553	230	1.27	5.02	0.59	11.10	37.2	13.2	8	6.18	209	6.41
V341299		4.74	5.57	6.86	2940	410	1.19	2.19	0.78	26.2	43.4	26.8	6	8.12	65.6	6.99
V341300		4.21	1.65	8.04	277	1350	1.65	1.33	1.88	3.46	53.8	8.7	9	11.85	29.1	4.09
V341301		0.28	39.9	5.81	2510	350	1.19	36.1	1.68	44.7	35.6	17.6	22	10.10	1195	9.15
V341302		2.86	0.40	7.41	33.9	3090	1.31	0.56	2.56	0.34	45.0	17.7	11	8.24	12.2	3.66
V341303		13.80	3.73	7.24	72.5	1890	1.78	0.55	1.57	14.95	39.0	5.1	8	24.6	76.6	3.43
V341304		14.44	1.43	6.53	61.2	1680	4.43	0.87	1.60	5.06	18.75	1.4	2	28.9	19.0	0.97
V341305		9.04	0.13	6.49	108.0	360	4.01	0.27	1.23	1.26	13.80	0.3	1	22.0	2.8	0.54
V341306		4.19	0.31	6.70	52.9	490	3.74	1.20	0.95	11.85	13.85	1.5	1	24.8	32.8	0.86
V341307		5.06	1.88	7.63	90.6	1790	1.61	0.83	1.02	64.0	73.4	4.7	7	9.23	24.2	4.35
V341308		14.29	0.37	7.47	47.3	2130	1.58	0.35	1.84	18.90	52.4	4.7	8	9.61	10.6	3.87
V341309		<0.02	0.39	7.35	48.2	2190	1.61	0.35	1.84	19.90	46.5	4.5	8	9.35	10.8	3.86
V341310		12.93	0.11	6.91	14.0	2120	1.57	0.14	2.49	6.99	48.8	2.9	7	7.98	1.6	3.23
V341311		9.54	0.20	7.34	53.2	2470	1.64	0.18	2.35	34.0	49.1	4.8	7	6.56	3.9	2.76
V341312		0.30	9.22	6.71	1795	890	1.60	6.00	1.91	41.0	43.6	17.1	20	16.45	107.0	5.21
V341313		6.60	0.43	6.88	20.1	2150	1.39	0.17	2.94	6.08	47.1	7.1	7	7.94	4.4	2.77
V341314		5.98	0.01	0.07	0.5	30	0.06	0.05	20.5	0.16	1.18	0.9	1	0.18	1.9	0.48
V341315		4.87	0.23	7.05	24.7	1820	1.55	0.14	2.40	0.56	44.4	4.9	8	19.20	2.7	2.77
V341316		4.55	0.11	7.03	9.9	2530	1.51	0.12	2.50	0.58	41.8	4.9	8	14.15	3.5	3.01
V341317		3.07	1.72	7.11	14.0	1270	1.78	0.24	2.58	10.90	44.5	5.9	8	19.75	16.7	3.28
V341318		7.63	0.14	7.47	11.4	2360	1.72	0.10	2.61	0.22	47.8	5.5	9	15.60	4.7	2.88
V341319		6.13	0.01	0.07	<0.2	30	0.06	0.02	21.0	0.10	1.20	0.9	<1	0.20	5.2	0.48
V341320		4.43	0.68	7.18	54.0	2240	1.64	0.28	2.73	7.42	44.3	7.0	8	14.00	11.9	3.12



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150469

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V341285		16.10	0.10	0.8	0.278	2.72	21.1	15.1	0.82	1970	0.80	0.41	7.8	2.9	640
V341286		13.25	0.13	0.4	0.275	1.81	37.8	58.5	0.70	724	0.10	0.03	3.8	3.5	330
V341287		14.20	0.09	0.8	0.056	2.52	19.5	38.9	0.63	845	0.21	0.04	7.1	2.4	490
V341288		14.45	0.11	0.8	0.057	2.55	25.0	34.9	0.76	694	0.42	0.04	6.8	1.9	490
V341289		15.80	0.14	0.9	0.200	2.92	25.5	53.1	0.87	1140	0.60	0.87	7.4	2.0	580
V341290		17.20	0.13	1.0	0.052	2.82	23.4	12.7	0.70	592	0.61	2.16	8.3	2.4	620
V341291		15.90	0.13	0.9	0.068	2.94	21.9	17.3	0.83	1020	2.98	1.04	7.9	2.6	600
V341292		16.75	0.19	0.9	0.054	3.11	24.4	10.9	0.76	712	10.15	1.87	8.0	2.7	600
V341293		14.95	0.12	0.9	0.296	3.10	19.9	14.2	0.45	1990	2.66	0.25	7.3	4.2	550
V341294		18.10	0.14	3.3	0.035	2.94	31.9	21.1	1.04	2800	2.15	0.04	10.2	6.0	1020
V341295		18.60	0.14	3.5	0.030	2.90	29.0	50.9	0.90	1480	1.41	0.04	10.6	6.3	1050
V341296		18.70	0.16	3.5	0.032	2.93	33.3	52.7	0.95	1500	1.76	0.04	10.5	6.1	1050
V341297		16.25	0.08	0.9	0.200	3.16	18.4	9.5	0.69	1680	1.50	0.04	7.1	2.8	550
V341298		15.90	0.06	0.9	0.400	3.20	19.5	7.4	0.49	1580	1.75	0.03	6.9	2.4	510
V341299		14.60	0.06	0.8	0.577	3.02	22.5	10.8	0.47	1850	3.21	0.02	6.9	2.9	520
V341300		17.45	0.14	1.0	0.173	3.12	29.2	8.2	0.63	1440	3.16	1.16	8.2	2.7	570
V341301		14.25	0.07	0.8	1.560	2.61	17.7	14.6	0.68	2370	17.35	0.06	4.8	14.6	450
V341302		16.10	0.14	1.1	0.115	3.22	23.2	8.2	0.78	1200	2.25	1.61	7.6	2.8	570
V341303		17.20	0.13	1.2	0.126	3.63	19.7	40.1	0.43	1500	1.22	0.14	7.9	1.9	590
V341304		20.0	0.09	3.2	0.135	3.62	8.7	40.4	0.20	887	4.52	0.72	26.5	0.4	90
V341305		20.4	0.05	3.4	0.026	3.88	5.9	47.6	0.12	559	1.10	0.78	28.4	<0.2	20
V341306		19.75	0.05	3.2	0.066	2.96	6.0	63.9	0.12	838	1.83	0.31	26.9	0.3	20
V341307		16.90	0.12	1.0	0.244	3.31	43.1	27.9	0.62	2170	1.54	0.05	7.1	1.9	570
V341308		16.80	0.14	1.0	0.088	2.70	29.8	32.8	0.63	1320	0.97	0.67	7.4	2.2	580
V341309		16.65	0.11	1.0	0.089	2.72	25.7	32.3	0.62	1340	1.14	0.65	7.3	2.1	580
V341310		16.55	0.18	1.0	0.057	2.46	25.5	17.5	0.56	1110	1.42	1.20	7.6	1.8	580
V341311		16.65	0.18	1.1	0.055	3.08	25.8	42.8	0.63	1280	2.30	0.18	7.3	1.8	610
V341312		15.05	0.13	1.3	0.896	2.86	22.4	24.3	0.71	2030	11.85	0.26	7.7	14.8	490
V341313		16.05	0.17	1.0	0.039	2.64	25.0	28.8	0.68	1080	1.79	0.35	6.8	2.3	600
V341314		0.35	0.26	<0.1	<0.005	0.03	0.6	1.2	12.95	213	0.14	<0.01	0.2	1.4	150
V341315		16.35	0.18	1.0	0.046	2.88	23.2	31.3	0.67	769	1.09	1.23	7.8	2.1	550
V341316		16.65	0.17	1.0	0.040	2.87	21.3	11.4	0.65	606	0.97	1.79	7.9	2.0	580
V341317		17.00	0.12	0.9	0.081	3.10	23.2	31.7	0.71	1130	1.95	0.33	7.9	4.0	580
V341318		16.45	0.15	1.2	0.041	2.82	24.7	14.6	0.75	547	1.21	2.31	8.0	3.4	590
V341319		0.29	0.21	<0.1	0.005	0.03	0.6	1.5	13.30	215	0.13	0.01	0.1	1.7	170
V341320		16.50	0.10	1.1	0.087	3.26	22.2	10.7	0.73	891	1.77	1.31	7.9	2.4	610



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150469

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V341285		146.5	<0.002	2.11	29.5	12.1	1	2.7	131.5	0.61	<0.05	8.45	0.281	2.45	5.5	82
V341286		112.0	<0.002	1.00	26.0	6.8	1	3.8	343	0.29	0.06	7.58	0.129	1.98	4.6	58
V341287		132.0	<0.002	0.32	20.6	8.3	1	2.7	75.3	0.55	<0.05	13.40	0.231	2.64	2.7	60
V341288		123.5	<0.002	0.34	12.30	8.5	1	3.4	97.5	0.54	<0.05	12.70	0.226	2.64	3.4	58
V341289		151.5	<0.002	0.35	6.18	10.0	1	4.0	220	0.53	<0.05	13.15	0.250	2.03	3.5	67
V341290		110.0	<0.002	0.04	2.52	11.2	1	2.3	367	0.60	<0.05	13.95	0.270	1.37	3.7	74
V341291		116.5	<0.002	0.78	4.94	10.5	1	2.4	239	0.57	0.10	12.30	0.266	1.84	4.0	71
V341292		131.5	<0.002	0.22	2.83	10.5	1	2.2	347	0.59	<0.05	13.15	0.262	1.67	3.4	72
V341293		185.0	<0.002	8.73	5.68	10.7	1	5.5	66.0	0.58	1.52	11.80	0.238	2.43	3.6	66
V341294		161.5	<0.002	1.29	22.9	6.7	1	1.7	131.5	0.67	<0.05	9.42	0.287	3.56	4.2	60
V341295		151.0	<0.002	1.30	16.40	6.9	1	2.0	158.0	0.72	<0.05	9.24	0.293	3.68	4.2	62
V341296		175.0	<0.002	1.24	16.20	7.0	1	2.8	170.5	0.69	<0.05	10.00	0.297	3.65	4.5	63
V341297		183.0	<0.002	3.45	9.02	9.8	1	6.4	51.4	0.55	1.37	12.05	0.232	2.80	3.1	64
V341298		202	<0.002	5.63	25.1	9.4	1	14.2	23.4	0.54	0.27	12.75	0.228	2.50	2.3	63
V341299		204	<0.002	6.55	22.2	9.7	1	10.0	32.0	0.51	0.50	12.15	0.228	2.81	2.6	67
V341300		160.0	<0.002	2.03	7.73	10.4	1	2.9	214	0.63	0.16	16.05	0.261	2.22	4.5	71
V341301		151.0	0.002	7.90	105.5	8.2	1	10.6	64.6	0.40	0.95	9.09	0.168	2.25	5.4	57
V341302		132.5	<0.002	0.93	1.99	10.1	1	2.2	315	0.57	0.20	12.90	0.239	1.64	4.8	67
V341303		199.5	<0.002	0.26	14.90	10.4	1	2.8	91.7	0.63	<0.05	11.20	0.250	2.93	4.0	74
V341304		235	<0.002	0.06	6.05	3.7	1	3.4	140.5	2.47	<0.05	19.25	0.059	2.44	5.8	9
V341305		249	<0.002	0.02	3.04	2.9	<1	2.9	104.0	2.67	<0.05	18.95	0.035	2.36	7.3	1
V341306		204	<0.002	0.02	7.90	2.9	1	3.9	76.4	2.67	<0.05	19.75	0.036	2.01	4.4	2
V341307		198.0	<0.002	0.88	9.60	10.6	1	3.5	34.7	0.57	<0.05	14.00	0.226	2.89	3.2	64
V341308		132.5	<0.002	0.23	9.38	10.2	1	2.5	115.0	0.59	<0.05	13.10	0.236	2.10	3.8	69
V341309		122.0	<0.002	0.21	9.38	9.9	1	2.5	111.0	0.57	<0.05	12.00	0.237	2.10	3.5	69
V341310		101.5	<0.002	0.20	3.24	9.9	1	2.5	141.0	0.60	<0.05	11.00	0.244	2.01	4.7	72
V341311		124.5	<0.002	0.20	17.60	9.7	1	2.4	77.5	0.58	<0.05	11.85	0.234	2.48	4.6	67
V341312		164.5	<0.002	3.09	33.5	8.4	1	5.8	152.5	0.61	0.27	11.45	0.210	2.53	5.0	58
V341313		101.5	<0.002	0.30	11.50	8.9	1	2.0	114.0	0.58	<0.05	11.70	0.224	1.85	4.8	64
V341314		1.5	<0.002	0.01	0.08	0.2	<1	<0.2	48.9	<0.05	<0.05	0.12	<0.005	<0.02	0.7	3
V341315		124.0	<0.002	0.13	6.09	9.6	1	1.5	218	0.63	<0.05	11.95	0.247	1.89	4.3	68
V341316		114.0	<0.002	0.05	3.28	9.4	1	1.7	309	0.64	<0.05	11.25	0.254	1.68	4.2	69
V341317		135.5	<0.002	0.22	8.32	10.4	1	2.5	126.0	0.60	<0.05	11.40	0.252	2.48	5.1	73
V341318		104.0	<0.002	0.05	2.61	10.2	1	1.7	354	0.64	<0.05	12.55	0.256	1.23	4.0	70
V341319		1.3	<0.002	0.01	0.08	0.2	1	<0.2	49.1	<0.05	<0.05	0.12	<0.005	0.02	0.7	2
V341320		141.0	<0.002	0.45	5.00	10.4	1	2.0	224	0.62	<0.05	11.95	0.250	2.14	4.2	73



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150469

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V341285		4.9	15.6	1190	18.3	0.338
V341286		2.0	14.0	36	10.9	0.023
V341287		2.7	11.7	48	18.6	<0.005
V341288		2.5	10.7	41	18.5	<0.005
V341289		2.2	14.1	3740	22.0	0.020
V341290		1.4	16.0	50	24.1	<0.005
V341291		2.4	13.7	84	21.1	0.005
V341292		1.1	15.4	89	22.1	<0.005
V341293		4.5	10.4	634	18.6	0.147
V341294		4.1	13.8	82	135.0	0.101
V341295		3.8	13.1	48	138.5	0.054
V341296		3.7	13.8	53	139.0	0.052
V341297		4.3	10.0	367	22.0	0.135
V341298		5.9	6.9	1140	20.9	0.174
V341299		6.9	7.5	2490	19.6	0.863
V341300		2.6	13.8	354	23.7	0.036
V341301		7.2	9.6	3410	24.0	1.710
V341302		2.3	15.8	85	23.7	0.032
V341303		3.4	12.5	1120	33.2	0.055
V341304		2.7	16.3	377	62.5	0.161
V341305		2.3	13.5	130	61.7	<0.005
V341306		2.0	14.0	952	59.7	<0.005
V341307		3.0	12.9	3450	27.5	0.019
V341308		2.0	12.8	1480	28.3	<0.005
V341309		2.1	12.2	1580	27.0	<0.005
V341310		1.6	11.1	667	27.2	<0.005
V341311		1.8	12.6	2250	28.2	<0.005
V341312		5.0	11.8	3080	41.1	0.776
V341313		2.0	11.7	452	26.2	0.016
V341314		0.1	0.8	25	<0.5	<0.005
V341315		1.8	13.5	91	28.2	0.006
V341316		1.6	13.8	115	28.0	<0.005
V341317		2.3	13.8	870	23.3	0.015
V341318		1.6	16.4	51	28.5	<0.005
V341319		0.1	0.8	21	<0.5	<0.005
V341320		2.1	14.0	528	28.5	0.007



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 26-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150469

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-AUG-2017
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CERTIFICATE WH17150474

Project: Klaza

P.O. No.: 17-059

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN 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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(1981) LIMITED
1016 - 510 W HASTINGS STREET
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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150474

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V341213		3.64	0.85	7.19	35.7	660	1.66	1.97	2.70	1.99	41.5	8.0	8	16.75	11.3	3.47
V341214		8.19	1.60	7.78	81.6	790	1.64	8.49	1.72	0.75	49.3	10.7	9	16.25	75.6	4.75
V341215		8.45	0.93	7.41	76.8	760	1.37	2.36	2.06	0.70	45.6	28.6	9	10.40	95.0	4.23
V341216		9.25	0.35	7.78	13.2	2480	1.61	0.33	2.59	0.47	50.7	8.3	10	6.53	22.8	3.23
V341217		9.22	0.26	7.95	13.3	2430	1.65	0.42	2.65	0.66	51.6	7.4	11	9.19	22.3	3.20
V341218		8.09	2.25	8.11	396	1850	1.60	4.74	1.64	2.70	53.8	8.8	10	12.60	78.6	3.87
V341219		5.95	0.01	0.07	0.3	20	0.07	0.02	21.0	0.06	1.20	0.9	<1	0.12	2.1	0.48
V341220		4.10	66.8	7.53	6580	670	1.74	6.98	1.70	6.95	49.6	8.8	8	19.30	391	4.38
V341221		13.26	0.32	8.03	25.9	2390	1.61	0.73	2.22	0.25	48.8	7.8	9	15.45	21.1	3.16
V341222		13.80	0.86	7.23	211	3660	1.63	1.55	2.91	0.85	44.8	12.9	9	17.35	50.7	3.32
V341223		<0.02	0.92	7.31	233	3390	1.66	1.72	3.02	0.86	44.4	13.9	9	17.65	49.0	3.31
V341224		12.53	0.77	8.06	30.2	2600	1.60	0.86	2.10	0.24	40.4	9.0	10	13.30	91.3	3.28
V341225		10.08	1.41	7.68	122.0	1660	1.64	12.90	1.93	0.30	47.5	8.6	10	18.45	322	3.96
V341226		10.08	0.31	7.79	77.9	2370	1.67	1.01	2.36	0.83	48.7	8.3	12	9.53	28.9	3.50
V341227		8.74	0.41	7.97	30.1	2310	1.47	2.36	1.93	0.20	51.5	12.0	10	9.69	95.8	3.35
V341228		0.34	11.95	6.82	1610	740	1.43	12.10	1.91	32.7	46.5	19.2	20	13.85	298	6.80
V341229		13.94	0.18	7.92	17.4	2630	1.62	0.60	2.80	0.18	51.0	9.3	13	8.45	30.7	3.37
V341230		14.40	0.37	7.60	20.4	2580	1.62	0.91	2.92	0.24	43.4	9.6	12	8.22	69.0	3.48
V341231		5.09	0.37	8.00	23.2	2620	1.66	0.95	3.03	0.24	53.5	10.1	13	8.50	64.9	3.46
V341232		7.75	0.37	7.38	32.0	2260	1.65	1.93	3.03	0.26	39.0	13.9	12	16.10	67.2	3.38
V341233		6.56	5.07	6.93	523	410	1.29	4.70	1.31	24.3	28.9	7.5	7	12.95	100.5	7.08
V341234		6.54	1.92	7.73	137.0	1510	1.68	4.71	2.02	1.54	49.9	9.2	9	17.40	214	4.45
V341235		6.75	2.07	7.57	109.5	870	1.50	2.56	2.16	2.09	50.6	11.5	10	15.85	78.4	4.65
V341236		13.63	0.28	7.51	13.7	2400	1.46	0.87	2.90	0.15	49.6	8.2	11	9.63	89.6	3.30
V341237		10.68	0.28	7.41	19.6	2210	1.50	0.75	2.74	0.36	51.7	9.2	11	10.10	53.9	3.09
V341238		4.48	0.25	7.85	10.0	2190	1.56	0.41	2.70	0.42	46.4	7.9	16	10.70	18.3	3.34
V341239		2.66	16.70	7.27	362	660	1.41	11.80	1.25	12.15	46.5	10.0	11	14.90	1000	6.78
V341240		6.16	0.03	0.08	0.4	20	0.08	0.03	21.7	0.07	1.22	1.0	1	0.30	2.2	0.51
V341241		2.72	3.46	7.30	77.7	700	1.54	5.01	1.74	1.26	53.5	8.5	10	13.10	33.5	4.94
V341242		12.43	0.18	7.78	8.7	2400	1.52	0.38	2.74	0.17	48.4	8.2	14	9.80	11.3	3.46
V341243		3.40	6.59	7.29	140.5	770	1.48	10.10	2.07	7.52	52.8	7.6	9	16.55	164.0	5.36
V341244		9.43	0.66	7.46	27.5	2120	1.43	1.72	2.51	0.33	43.6	6.9	12	14.85	54.0	3.43
V341245		4.74	1.50	6.94	41.8	1810	1.57	3.25	2.09	0.24	45.4	9.1	9	11.65	19.5	3.54
V341246		0.35	9.03	6.29	1670	990	1.50	6.08	1.79	38.1	42.5	16.7	20	15.40	103.5	4.90
V341247		7.67	3.08	6.62	147.5	600	1.57	2.86	1.41	10.65	47.5	6.7	9	13.80	114.0	4.47
V341248		5.53	0.82	6.60	68.5	1750	1.62	0.87	2.24	2.22	40.3	5.5	11	16.80	34.4	3.22



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Page: 2 - B
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CERTIFICATE OF ANALYSIS WH17150474

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V341213		16.40	0.10	1.1	0.083	3.34	20.6	44.8	0.69	1140	0.88	0.80	6.9	2.3	550
V341214		17.30	0.08	1.4	0.260	3.35	26.2	11.2	0.65	979	5.40	0.15	7.7	3.2	640
V341215		15.50	0.09	1.2	0.159	3.33	23.7	8.2	0.70	877	7.72	1.52	7.1	3.2	630
V341216		17.15	0.12	1.2	0.060	2.80	26.8	11.9	0.91	676	2.13	2.36	8.4	3.1	620
V341217		17.35	0.11	1.3	0.073	2.87	27.3	12.4	0.88	692	1.62	2.26	8.5	2.8	620
V341218		17.65	0.09	1.5	0.269	3.42	28.4	16.2	0.64	790	2.29	0.42	9.1	2.9	630
V341219		0.28	0.25	<0.1	<0.005	0.02	0.6	1.0	13.30	214	0.08	0.01	0.2	1.4	190
V341220		16.55	0.07	1.4	0.268	3.01	26.8	12.7	0.56	761	2.91	0.75	7.9	2.8	500
V341221		17.75	0.10	1.3	0.078	3.05	25.1	17.0	0.74	627	4.12	1.35	8.7	2.6	680
V341222		16.60	0.11	1.2	0.088	2.77	22.8	21.6	0.77	840	42.1	1.12	8.1	3.1	630
V341223		16.70	0.12	1.2	0.091	2.79	22.7	22.2	0.79	853	37.8	1.10	8.1	2.9	630
V341224		16.90	0.11	1.1	0.120	2.97	20.5	32.1	0.60	603	2.51	1.85	8.5	2.9	680
V341225		18.05	0.11	1.0	0.245	3.39	24.3	26.7	0.74	794	10.90	0.48	8.1	2.6	640
V341226		17.35	0.13	1.1	0.111	2.99	25.0	12.2	0.84	887	5.23	2.08	8.5	3.3	650
V341227		17.45	0.14	1.1	0.134	2.85	27.5	17.4	0.86	724	21.3	1.48	8.4	3.1	640
V341228		15.65	0.11	1.2	0.791	2.96	24.4	19.8	0.79	1860	9.15	0.13	6.7	12.4	550
V341229		17.70	0.15	1.0	0.068	2.73	26.2	14.1	0.95	692	10.10	2.43	8.7	3.2	660
V341230		17.80	0.14	1.0	0.132	2.70	21.2	11.4	0.89	755	26.9	2.41	8.6	3.6	690
V341231		18.25	0.16	1.0	0.123	2.79	27.8	11.5	0.95	775	37.9	2.43	8.9	3.4	720
V341232		17.50	0.12	0.9	0.167	2.61	18.9	10.9	0.68	808	33.3	1.89	8.3	3.6	650
V341233		17.25	0.08	0.8	0.414	2.99	14.4	12.3	0.59	1660	15.60	0.08	6.2	2.5	530
V341234		17.25	0.12	0.8	0.188	3.50	26.9	15.1	0.86	1580	5.81	0.15	7.3	3.2	630
V341235		17.45	0.15	0.9	0.245	2.97	26.3	13.6	0.76	1040	3.13	0.88	7.9	2.9	650
V341236		16.75	0.16	1.1	0.071	2.67	25.8	11.0	0.83	702	3.14	2.14	8.0	3.2	630
V341237		16.60	0.16	1.2	0.080	2.73	26.7	13.1	0.79	659	1.57	2.06	8.0	3.0	620
V341238		17.20	0.17	1.3	0.062	2.80	23.6	13.3	0.88	776	2.35	2.18	8.4	3.2	630
V341239		16.50	0.12	1.1	0.857	3.32	24.0	9.1	0.68	1960	3.07	0.15	7.2	3.3	560
V341240		0.32	0.26	<0.1	<0.005	0.03	0.6	0.8	13.65	221	0.11	0.01	0.2	1.7	170
V341241		16.40	0.08	1.1	0.274	3.35	28.0	23.1	0.81	797	6.92	0.17	7.6	2.9	570
V341242		16.75	0.13	1.1	0.052	2.73	24.6	12.6	0.90	649	6.66	2.43	8.1	3.2	650
V341243		16.40	0.09	1.0	0.414	3.18	29.0	10.1	1.02	1200	2.62	0.19	7.2	2.5	580
V341244		17.40	0.14	1.0	0.129	2.86	21.7	11.6	0.77	822	2.59	1.59	8.5	2.8	650
V341245		15.90	0.17	1.0	0.162	2.82	23.3	11.8	0.62	663	1.85	1.00	7.3	2.9	590
V341246		14.35	0.12	1.2	0.830	2.68	22.4	25.6	0.66	1920	10.90	0.25	7.0	14.6	480
V341247		14.85	0.12	1.0	0.500	2.99	26.3	9.5	0.70	1240	5.13	0.03	6.1	2.4	500
V341248		15.35	0.15	1.0	0.149	2.98	20.4	14.1	0.64	873	6.40	0.83	7.3	2.8	580



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Page: 2 - C
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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V341213		138.5	<0.002	1.99	5.25	9.6	1	2.3	235	0.57	0.25	11.90	0.216	2.26	3.7	65
V341214		172.5	0.004	3.02	12.80	11.1	2	4.4	83.9	0.59	0.80	13.15	0.244	2.44	3.3	71
V341215		129.5	0.008	1.86	7.84	10.8	1	2.5	211	0.58	0.77	11.10	0.226	1.70	3.8	71
V341216		105.5	<0.002	0.17	1.47	11.6	1	1.6	408	0.64	0.06	12.90	0.269	1.13	4.0	74
V341217		110.0	<0.002	0.21	1.96	11.7	1	1.8	392	0.67	<0.05	13.45	0.274	1.18	3.6	75
V341218		157.5	<0.002	1.40	10.65	11.4	1	3.9	91.5	0.74	0.18	15.70	0.266	1.98	2.8	75
V341219		1.0	<0.002	<0.01	0.07	0.2	1	<0.2	46.3	<0.05	<0.05	0.15	<0.005	<0.02	0.7	2
V341220		153.0	<0.002	1.93	132.0	10.2	1	3.1	99.4	0.78	0.28	16.95	0.219	1.94	3.8	62
V341221		114.0	0.003	0.25	6.26	11.4	1	2.5	256	0.67	0.19	12.40	0.285	1.39	2.6	77
V341222		106.5	0.024	0.71	8.20	10.4	1	2.8	217	0.67	0.46	11.90	0.255	1.43	3.2	71
V341223		105.5	0.021	0.74	8.54	10.6	2	2.8	217	0.66	0.48	11.90	0.260	1.43	3.3	72
V341224		111.0	<0.002	0.29	6.12	11.7	1	2.4	288	0.67	0.22	11.65	0.291	1.26	3.1	80
V341225		151.5	0.008	1.64	7.82	11.4	1	6.5	115.5	0.60	0.43	11.50	0.257	2.04	3.3	74
V341226		111.5	<0.002	0.24	3.17	11.5	1	2.6	356	0.65	0.18	12.35	0.274	1.24	3.7	75
V341227		116.5	0.008	0.65	3.52	11.7	1	3.6	242	0.65	0.98	12.80	0.273	1.38	3.3	77
V341228		173.5	<0.002	4.75	64.0	9.8	2	7.8	97.7	0.54	1.10	11.55	0.211	2.68	5.5	64
V341229		102.0	0.002	0.36	2.22	11.8	1	1.8	439	0.67	0.14	12.25	0.279	1.07	3.6	77
V341230		87.1	0.010	0.30	2.26	11.6	1	2.1	423	0.59	0.20	9.62	0.291	1.10	2.9	82
V341231		101.5	0.011	0.33	2.62	13.1	1	2.3	440	0.62	0.22	11.65	0.301	1.11	3.3	84
V341232		93.7	0.016	0.49	8.28	11.3	1	2.7	309	0.56	0.47	8.75	0.284	1.36	2.7	77
V341233		157.5	0.003	5.67	19.70	10.0	2	9.8	44.2	0.44	0.39	8.85	0.211	2.29	2.9	62
V341234		178.0	<0.002	1.66	23.7	11.2	1	3.5	101.5	0.52	0.29	11.00	0.258	2.54	4.5	73
V341235		136.5	<0.002	2.06	10.35	11.6	1	4.7	198.5	0.54	0.45	10.85	0.261	1.84	3.5	73
V341236		103.0	<0.002	0.51	2.00	10.9	1	1.9	369	0.59	0.14	12.50	0.260	1.18	3.5	72
V341237		97.7	<0.002	0.35	2.37	11.0	1	2.9	338	0.60	0.26	12.85	0.255	1.14	3.6	72
V341238		108.5	<0.002	0.13	4.03	11.1	1	1.8	361	0.68	<0.05	12.70	0.267	1.13	4.7	74
V341239		204	<0.002	5.13	106.5	10.3	1	6.6	68.4	0.58	1.41	12.75	0.226	2.62	5.6	64
V341240		1.8	<0.002	<0.01	0.19	0.2	<1	<0.2	50.3	<0.05	<0.05	0.09	<0.005	<0.02	0.6	2
V341241		210	<0.002	4.14	4.93	10.5	2	4.7	77.0	0.57	1.25	12.35	0.235	2.59	4.3	64
V341242		99.6	<0.002	0.33	1.51	11.2	1	1.6	420	0.64	0.05	12.85	0.276	1.00	3.6	77
V341243		187.0	<0.002	2.51	10.20	10.2	1	5.2	83.1	0.57	0.79	13.65	0.234	2.45	5.7	67
V341244		105.5	0.004	0.46	5.53	10.8	1	2.9	303	0.60	0.14	11.10	0.276	1.42	3.9	76
V341245		125.5	<0.002	1.35	6.72	10.8	1	3.9	210	0.58	0.27	11.35	0.243	1.63	2.9	71
V341246		150.5	<0.002	2.89	31.7	8.4	1	5.4	142.5	0.57	0.27	11.40	0.193	2.39	4.6	54
V341247		204	0.008	3.10	18.75	9.3	1	7.0	43.6	0.52	0.45	13.40	0.197	2.66	4.9	59
V341248		135.5	0.012	1.17	6.11	9.8	1	4.3	191.5	0.59	0.17	11.55	0.233	1.99	3.9	66



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V341213		2.5	13.4	229	28.8	0.117
V341214		3.4	14.8	118	36.1	0.197
V341215		1.8	13.6	161	32.5	0.142
V341216		1.5	17.9	95	33.7	0.009
V341217		1.2	17.8	117	34.4	0.005
V341218		4.1	15.8	313	39.0	0.068
V341219		0.1	0.8	16	<0.5	<0.005
V341220		2.2	15.7	611	37.5	1.425
V341221		2.3	15.8	76	34.6	0.009
V341222		2.2	17.5	132	31.5	0.017
V341223		2.5	17.9	137	32.0	0.018
V341224		2.0	13.6	65	29.5	0.013
V341225		2.9	13.6	70	26.3	0.171
V341226		1.8	16.8	114	27.6	0.028
V341227		3.1	16.4	69	27.1	0.017
V341228		6.1	12.1	2420	30.8	0.981
V341229		1.4	18.8	53	25.3	0.006
V341230		1.7	16.6	59	23.5	0.012
V341231		1.8	19.0	59	26.9	0.010
V341232		1.5	15.3	63	22.5	0.018
V341233		7.8	8.8	2290	19.6	0.500
V341234		3.7	13.9	397	21.5	0.059
V341235		3.4	14.9	261	24.6	0.064
V341236		2.6	16.2	51	28.8	0.014
V341237		2.5	17.0	67	29.1	0.020
V341238		1.1	18.0	72	31.7	0.007
V341239		4.9	10.8	983	26.4	0.275
V341240		0.1	0.8	19	0.5	<0.005
V341241		4.0	11.8	128	26.1	0.048
V341242		1.1	17.3	48	28.7	0.005
V341243		4.3	11.5	577	25.0	0.197
V341244		1.6	14.3	91	29.2	0.040
V341245		1.9	13.5	101	26.5	0.068
V341246		4.8	10.5	2870	36.6	0.759
V341247		4.7	9.5	925	25.7	0.084
V341248		2.3	12.4	238	26.2	0.025



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 26-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150474

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-AUG-2017
Account: ROCKHA

CERTIFICATE WH17150480

Project: Klaza

P.O. No.: 17-065

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150480

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588055		4.46	0.13	7.68	25.5	1490	1.65	0.12	2.21	1.91	46.9	6.3	13	23.2	10.7	2.61
W588056		9.53	0.13	6.85	18.1	1990	1.76	0.18	2.82	0.42	40.7	7.0	12	20.3	10.0	2.85
W588057		9.93	0.31	7.12	30.7	2210	1.83	0.13	3.31	2.33	42.5	6.5	15	25.7	13.9	2.87
W588058		7.59	0.78	6.92	45.5	1340	1.77	0.13	2.56	5.79	42.0	7.6	9	27.4	18.3	2.73
W588059		0.30	14.00	6.77	1635	330	1.57	12.60	1.98	35.3	48.7	18.6	19	15.25	295	6.80
W588060		4.11	6.01	7.04	964	420	1.79	2.04	1.05	91.9	52.9	5.8	8	19.90	72.6	5.48
W588061		5.03	0.41	6.80	44.0	2040	1.62	0.34	2.51	5.92	43.4	6.0	13	14.95	65.5	2.58
W588062		12.26	0.65	7.41	39.4	2350	1.82	0.53	3.02	3.03	47.8	5.6	12	15.95	9.7	3.01
W588063		8.34	0.42	6.65	21.3	1330	1.50	0.35	9.76	3.06	60.7	4.2	10	10.20	6.4	1.96
W588064		6.16	0.09	6.96	13.8	1720	1.47	0.20	3.38	0.25	28.3	3.3	9	13.70	6.8	1.67
W588065		<0.02	0.09	7.02	14.3	1740	1.59	0.18	3.36	0.23	29.6	3.6	11	13.40	6.3	1.81
W588066		4.47	0.14	7.39	13.0	2280	1.65	0.33	2.00	0.21	72.0	5.8	12	7.71	5.5	1.78
W588067		6.04	4.03	7.18	115.5	1130	1.68	1.43	2.22	38.1	40.6	9.8	10	18.45	51.9	3.93
W588068		6.14	0.02	0.08	1.1	40	0.08	0.04	21.9	0.15	1.36	0.6	1	0.18	1.6	0.47
W588069		4.25	1.65	7.46	24.8	2380	1.66	1.43	2.85	11.50	45.6	7.3	9	26.2	33.3	3.02
W588070		3.79	5.35	7.39	1095	1810	1.74	0.52	2.44	16.75	52.4	7.3	13	17.70	46.5	3.44
W588071		6.26	0.11	7.52	14.2	2260	1.55	0.15	1.85	0.17	49.8	6.8	11	26.3	8.6	3.18
W588072		2.41	3.59	7.22	2180	1680	1.67	0.83	2.39	2.00	50.0	10.8	13	18.50	39.1	3.66
W588073		0.34	5.21	7.05	756	460	1.68	3.51	2.24	11.75	54.6	13.1	26	15.45	322	5.34
W588074		5.82	0.25	7.49	15.6	2530	1.72	0.16	2.84	0.52	47.2	7.7	14	16.75	18.6	3.43
W588075		2.72	2.67	6.21	156.5	860	1.21	1.37	1.65	30.9	52.4	6.1	15	11.40	67.5	3.72
W588076		8.99	0.11	7.17	9.2	2310	1.44	0.14	2.62	0.39	41.1	7.3	16	16.15	11.0	3.29
W588077		9.89	0.80	7.85	36.2	2780	1.28	0.84	1.27	4.99	36.3	6.1	13	18.30	28.9	3.74
W588078		3.66	1.30	8.15	46.2	2540	1.28	1.73	0.97	12.10	52.7	6.3	14	19.60	37.9	3.96
W588079		1.72	1.58	6.78	640	310	1.58	1.00	1.72	1.83	46.1	12.0	16	17.75	49.7	4.77
W588080		7.74	0.07	7.76	9.8	2210	1.41	0.10	1.43	0.17	39.1	6.9	17	30.3	9.2	3.27
W588081		1.47	3.33	5.98	709	490	1.52	1.25	0.50	52.9	38.4	10.3	18	18.45	56.1	5.03
W588082		7.42	0.26	7.64	21.4	1470	1.41	0.09	1.71	0.36	41.0	6.5	17	19.55	30.0	3.10
W588083		5.02	0.20	7.22	20.9	2190	1.61	0.11	2.45	0.67	42.4	6.4	16	22.6	21.1	3.41
W588084		2.86	7.32	6.40	934	220	1.23	4.11	0.81	16.35	32.4	10.6	17	9.51	64.4	5.42
W588085		6.13	0.02	0.08	1.4	30	0.05	0.03	22.3	0.10	1.45	0.7	2	0.22	3.4	0.50
W588086		3.46	0.93	7.14	42.9	1360	1.48	0.13	2.40	0.26	42.5	7.0	14	26.2	10.5	3.07
W588087		9.21	0.63	7.19	58.7	1710	1.59	0.23	1.85	2.07	41.8	7.0	15	22.5	7.7	3.87
W588088		9.65	0.24	7.63	18.6	2130	1.52	0.27	2.05	0.94	43.8	6.3	15	19.45	9.2	4.04
W588089		6.52	1.21	7.13	285	2310	1.65	0.72	2.72	13.10	46.3	6.7	13	20.2	33.3	3.93
W588090		6.08	1.06	7.44	198.0	2630	1.62	1.19	2.72	1.55	51.8	7.1	16	21.9	34.7	4.10



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150480

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588055		16.95	0.12	1.5	0.067	2.73	24.4	90.7	0.57	521	1.82	0.65	8.9	2.1	630
W588056		16.55	0.13	1.3	0.045	2.69	20.8	33.9	0.70	545	2.26	1.56	8.4	2.6	590
W588057		16.90	0.14	1.2	0.043	2.79	22.0	46.9	0.76	602	1.89	1.01	8.3	2.3	610
W588058		16.40	0.13	1.2	0.056	2.65	21.1	37.6	0.77	1170	1.69	0.05	8.2	2.7	600
W588059		16.25	0.12	1.1	0.856	3.00	26.0	21.6	0.80	1840	9.59	0.13	6.9	12.7	550
W588060		16.40	0.11	1.1	1.095	3.22	29.2	13.9	0.57	3140	3.18	0.03	7.5	2.1	500
W588061		17.85	0.13	1.3	0.107	3.32	21.4	51.5	0.51	1000	3.55	0.45	8.3	2.5	580
W588062		17.70	0.14	1.2	0.072	3.16	24.4	20.5	0.76	896	2.17	1.56	8.6	2.6	600
W588063		14.95	0.16	0.9	0.109	2.30	34.6	41.7	0.58	1530	1.95	0.08	6.5	2.8	520
W588064		16.60	0.13	1.0	0.063	2.72	12.3	24.4	0.92	756	13.20	0.12	7.0	2.0	550
W588065		16.90	0.14	1.1	0.066	2.73	12.5	24.4	0.93	755	11.25	0.12	7.1	2.5	560
W588066		17.55	0.16	1.2	0.057	2.77	39.2	22.3	0.61	452	2.98	0.09	7.9	4.0	620
W588067		16.40	0.11	1.0	0.736	2.59	19.8	66.5	0.85	3170	1.46	0.05	7.2	2.6	480
W588068		0.22	0.15	<0.1	0.007	0.03	0.7	1.4	13.45	212	0.17	<0.01	0.2	1.5	190
W588069		16.25	0.15	1.4	0.405	2.83	23.1	27.0	0.58	630	1.31	1.15	8.6	2.2	600
W588070		16.25	0.13	1.4	0.548	3.97	27.7	19.2	0.62	1500	1.44	0.51	7.7	2.4	560
W588071		17.05	0.14	1.3	0.070	3.18	25.5	78.5	0.57	782	1.13	0.41	8.6	2.4	610
W588072		16.00	0.12	1.2	0.128	3.46	26.9	57.2	0.73	1090	1.99	0.27	7.8	3.4	580
W588073		16.45	0.12	1.1	0.335	3.13	31.0	28.7	0.84	2000	14.40	0.16	6.7	15.7	550
W588074		17.90	0.13	1.3	0.086	3.13	24.0	14.9	0.72	673	2.08	1.99	9.1	3.0	650
W588075		11.50	0.06	1.5	0.902	3.09	30.6	11.8	0.63	2540	2.76	0.12	5.7	3.0	270
W588076		15.40	0.08	1.1	0.063	2.96	20.3	37.8	0.70	797	1.88	1.60	8.1	2.6	580
W588077		16.20	0.06	1.2	0.228	2.55	17.9	39.6	0.48	1440	1.62	0.08	8.4	2.3	600
W588078		15.45	0.08	1.2	0.344	2.57	29.2	36.6	0.53	1500	1.60	0.07	7.9	2.1	600
W588079		14.15	0.08	1.0	0.360	3.35	23.5	25.9	0.71	2700	2.89	0.07	7.1	2.8	520
W588080		16.00	0.07	1.1	0.051	3.19	19.6	61.3	0.50	739	1.49	0.16	8.1	2.3	610
W588081		12.10	0.07	0.9	0.566	3.09	20.7	38.7	0.49	2990	27.1	0.06	5.4	3.5	400
W588082		15.55	0.07	1.2	0.052	2.56	21.0	194.0	0.62	1020	1.38	0.07	8.0	2.2	610
W588083		15.25	0.07	1.2	0.122	3.63	21.2	70.7	0.67	1660	1.88	0.26	7.8	2.4	580
W588084		13.20	0.06	0.9	0.486	3.06	17.0	18.2	0.43	1800	3.65	0.03	5.7	2.4	440
W588085		0.24	0.08	<0.1	0.006	0.04	0.7	1.3	13.80	206	0.33	<0.01	0.2	1.5	200
W588086		15.35	0.08	1.1	0.032	3.06	20.8	85.9	0.80	1040	1.67	0.17	8.3	2.3	610
W588087		15.30	0.06	1.1	0.215	3.41	20.5	56.7	0.67	2400	2.19	0.45	8.0	2.5	570
W588088		16.00	0.07	1.1	0.078	3.44	22.6	28.5	0.71	1020	1.30	0.64	8.2	2.2	600
W588089		15.20	0.07	1.1	0.401	2.86	24.5	88.2	1.01	2200	2.01	0.04	7.8	2.3	560
W588090		14.95	0.08	1.1	0.092	3.01	28.7	22.1	1.12	1650	1.42	0.04	7.4	2.4	540



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150480

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		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 0.01	% 0.005	ppm 0.02	ppm 0.1	ppm 1
W588055		101.0	<0.002	0.07	7.10	10.4	1	1.9	214	0.79	<0.05	13.15	0.258	1.33	3.9	71
W588056		93.7	<0.002	0.08	4.06	10.5	1	1.8	293	0.70	<0.05	11.30	0.249	1.43	3.6	69
W588057		95.7	<0.002	0.11	5.75	10.6	1	2.3	250	0.69	<0.05	11.00	0.258	1.54	3.9	71
W588058		89.4	<0.002	0.24	9.65	10.3	1	1.8	103.0	0.67	<0.05	10.90	0.249	1.92	3.8	68
W588059		176.5	<0.002	4.74	68.9	9.9	2	8.4	101.0	0.57	2.24	11.85	0.209	2.62	5.9	64
W588060		205	<0.002	2.66	30.5	10.4	1	5.2	40.7	0.61	<0.05	12.45	0.225	3.62	7.4	65
W588061		135.5	<0.002	0.11	10.85	10.5	1	2.5	168.0	0.75	0.05	11.70	0.239	2.17	2.9	71
W588062		120.0	<0.002	0.26	4.02	11.3	1	1.8	299	0.69	<0.05	12.60	0.257	1.76	3.6	71
W588063		116.0	<0.002	0.31	8.90	9.8	1	2.3	189.5	0.58	<0.05	12.40	0.188	1.64	7.0	59
W588064		101.0	0.008	0.08	11.50	9.0	1	2.7	79.4	0.66	<0.05	13.30	0.202	1.64	3.8	64
W588065		103.5	0.010	0.08	11.35	9.4	1	2.7	79.5	0.59	<0.05	13.15	0.207	1.63	3.8	67
W588066		95.3	0.002	0.23	12.40	10.9	1	2.6	47.2	0.72	0.05	13.75	0.225	1.50	4.7	68
W588067		167.0	<0.002	1.51	11.70	9.7	1	5.4	124.0	0.58	0.15	13.55	0.214	2.38	5.9	58
W588068		1.4	<0.002	<0.01	0.08	0.2	1	<0.2	45.8	<0.05	<0.05	0.15	<0.005	0.02	0.5	3
W588069		105.0	<0.002	0.23	13.30	9.0	1	2.0	242	0.75	<0.05	12.05	0.257	1.20	3.4	69
W588070		203	<0.002	1.50	21.9	9.6	1	3.1	152.0	0.67	<0.05	14.30	0.236	2.52	5.2	65
W588071		131.5	<0.002	0.06	16.40	10.6	1	1.9	158.5	0.73	<0.05	13.05	0.258	1.59	3.9	71
W588072		170.0	<0.002	1.46	39.5	10.3	1	2.6	138.5	0.67	<0.05	13.25	0.233	2.18	9.9	66
W588073		181.5	0.004	2.79	29.4	10.0	1	6.0	115.5	0.54	0.34	11.90	0.211	2.44	5.3	68
W588074		119.0	<0.002	0.05	4.34	12.2	1	1.9	340	0.75	<0.05	13.75	0.280	1.44	4.0	78
W588075		177.0	<0.002	1.52	17.00	5.2	<1	2.0	52.3	0.75	<0.05	22.0	0.120	2.19	6.4	35
W588076		105.5	<0.002	0.08	7.48	10.5	1	1.6	306	0.60	<0.05	11.90	0.254	1.39	4.0	70
W588077		105.5	<0.002	0.42	27.0	10.7	<1	2.1	76.9	0.63	<0.05	12.20	0.257	1.47	3.2	67
W588078		120.5	<0.002	0.55	28.0	10.8	<1	2.3	66.9	0.62	<0.05	15.20	0.254	1.50	3.8	66
W588079		164.5	<0.002	2.10	36.0	9.6	1	2.4	91.3	0.51	0.06	11.05	0.221	2.35	7.3	62
W588080		130.5	<0.002	0.05	22.3	10.9	1	1.6	108.5	0.62	<0.05	12.65	0.264	1.63	3.3	71
W588081		172.0	0.004	2.08	54.3	7.9	<1	3.7	44.8	0.43	<0.05	10.60	0.183	2.39	8.2	53
W588082		96.4	<0.002	0.11	40.2	10.2	1	1.8	189.5	0.61	<0.05	12.25	0.258	1.64	3.3	70
W588083		136.5	<0.002	0.18	14.00	9.7	1	1.8	147.0	0.63	<0.05	11.90	0.251	2.54	4.1	69
W588084		175.5	<0.002	4.44	50.9	8.5	<1	5.2	34.3	0.46	0.10	10.40	0.188	2.59	5.0	56
W588085		1.8	<0.002	<0.01	0.18	0.2	<1	<0.2	47.9	<0.05	<0.05	0.13	<0.005	0.02	0.7	2
W588086		106.0	<0.002	0.28	21.9	10.4	<1	1.5	154.5	0.62	<0.05	11.15	0.257	2.27	3.9	71
W588087		135.0	<0.002	0.31	16.05	10.1	1	2.2	151.5	0.61	<0.05	11.50	0.249	2.35	4.2	67
W588088		138.0	<0.002	0.18	9.10	10.4	1	2.2	166.5	0.62	<0.05	12.25	0.261	2.09	4.1	70
W588089		123.5	<0.002	0.87	14.15	9.9	1	4.7	161.5	0.60	<0.05	12.50	0.238	2.62	5.2	64
W588090		145.0	<0.002	0.41	14.15	10.1	<1	1.8	142.5	0.57	<0.05	13.75	0.233	2.52	5.6	64



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150480

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588055		3.1	14.8	217	41.4	0.016
W588056		2.7	15.9	62	36.1	<0.005
W588057		2.9	15.8	179	35.5	<0.005
W588058		4.8	14.4	551	33.5	0.009
W588059		6.3	12.8	2470	32.0	0.897
W588060		8.0	10.2	3550	31.5	0.580
W588061		2.0	13.8	1180	37.7	<0.005
W588062		2.6	16.5	304	33.6	0.021
W588063		2.5	24.1	369	25.5	0.005
W588064		1.9	13.4	56	28.5	<0.005
W588065		1.9	13.4	58	30.1	<0.005
W588066		1.8	15.1	59	33.8	<0.005
W588067		9.2	13.5	3050	30.3	0.108
W588068		0.1	0.8	24	<0.5	<0.005
W588069		4.3	14.8	767	38.8	0.065
W588070		3.8	15.4	1280	39.7	0.508
W588071		3.7	15.2	58	37.4	<0.005
W588072		3.9	16.6	153	36.4	2.29
W588073		5.7	13.3	932	33.3	0.350
W588074		1.5	17.9	75	39.1	0.009
W588075		2.2	10.4	2350	38.9	0.249
W588076		4.9	15.6	64	34.6	<0.005
W588077		5.1	12.9	469	36.0	0.040
W588078		5.0	14.8	951	34.7	0.034
W588079		3.7	13.4	176	29.1	0.223
W588080		3.4	14.1	52	33.0	<0.005
W588081		4.2	9.5	4090	25.9	0.632
W588082		4.5	13.9	67	35.0	<0.005
W588083		2.7	14.9	90	34.5	<0.005
W588084		6.7	10.0	2430	28.5	1.175
W588085		0.1	0.9	20	<0.5	<0.005
W588086		5.1	14.2	61	33.1	0.022
W588087		4.0	13.9	190	33.6	0.017
W588088		2.8	15.0	113	34.4	0.007
W588089		4.8	13.5	940	32.3	0.084
W588090		7.2	15.6	151	32.8	0.065



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150480

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE WH17150495

Project: Klaza

P.O. No.: 17-069

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150495

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag 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	1	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W588127		7.73		0.98	7.15	135.5	1030	1.42	0.62	2.36	2.33	40.9	7.8	9	20.0	55.1
W588128		8.54		0.89	7.21	28.5	1450	1.37	1.62	1.97	1.02	39.0	11.1	12	13.90	79.4
W588129		4.64		2.71	8.44	220	2150	1.83	1.20	0.90	2.05	58.0	19.6	14	25.4	315
W588130		9.96		0.39	8.21	53.8	1720	1.50	0.54	1.64	0.99	48.2	10.1	13	14.70	16.5
W588131		13.60		0.55	7.34	145.0	1440	1.58	0.49	3.03	1.12	36.4	10.1	14	17.95	46.3
W588132		4.71	102	>100	7.12	198.0	1450	1.78	207	3.06	1.47	38.0	7.6	12	14.30	49.2
W588133		0.34		11.20	6.49	1575	230	1.43	11.60	1.85	31.9	43.3	16.2	19	12.60	283
W588134		6.12		4.35	6.90	157.5	900	1.62	2.10	2.27	9.06	41.1	15.0	12	13.45	81.8
W588135		14.42		0.68	6.98	39.8	1380	1.49	0.71	2.94	0.35	37.1	6.6	13	18.25	164.5
W588136		3.60		0.45	6.72	36.0	1100	1.30	0.43	2.16	0.16	38.2	5.6	8	15.40	148.5
W588137		8.62		0.29	6.73	28.7	1160	1.30	0.31	1.96	0.12	38.8	6.3	7	17.60	135.0
W588138		6.11		0.02	0.10	<0.2	30	0.07	0.04	21.4	0.10	1.37	0.6	1	0.21	3.7
W588139		8.48		11.50	6.24	531	1340	1.15	1.00	2.25	5.10	43.6	4.7	10	11.70	153.5
W588140		7.07		6.10	6.25	196.0	1040	1.08	1.35	1.84	11.60	41.7	4.2	11	8.70	54.5
W588141		5.22		1.50	7.13	71.3	1260	1.55	0.60	2.57	3.57	51.1	5.8	8	13.05	110.5
W588142		8.54		0.35	6.47	21.6	1550	1.26	0.45	3.43	0.60	42.1	7.0	10	15.50	44.1
W588143		5.12		0.38	6.37	18.7	1250	1.20	0.26	3.91	0.18	36.7	6.6	11	13.30	120.5
W588144		13.86		0.21	6.57	15.4	1340	1.36	0.20	3.15	0.62	31.7	6.8	12	18.30	48.0
W588145		0.34		4.25	6.99	752	440	1.36	3.18	2.12	10.65	49.7	11.1	26	12.95	320
W588146		8.48		0.14	6.77	12.7	1710	1.23	0.27	2.88	0.34	45.1	10.6	11	14.30	16.7
W588147		4.61		0.12	6.91	8.2	2060	1.44	0.16	2.62	0.16	37.8	5.9	10	14.60	11.6
W588148		5.08		3.96	6.79	195.5	1070	1.77	3.16	3.67	3.96	50.9	10.6	10	32.8	48.0
W588149		6.08		1.66	6.87	60.6	2080	1.42	1.37	2.55	1.43	36.9	3.3	9	10.65	14.7
W588150		<0.02		3.40	7.24	59.2	2040	1.61	4.59	2.57	1.54	43.5	3.2	9	11.45	14.2
W588151		5.51		0.29	6.84	23.8	2030	1.62	0.25	3.07	0.54	33.3	14.3	9	11.90	7.4
W588152		12.30		0.18	6.90	11.9	1800	1.56	0.41	3.00	0.17	37.2	5.6	14	18.75	19.8
W588153		10.66		0.13	7.24	14.0	2670	1.32	0.22	3.56	0.23	44.0	6.7	8	17.80	13.3
W588154		6.15		0.01	0.09	0.3	30	0.06	0.03	20.5	0.06	1.29	0.6	1	0.20	1.6
W588155		5.85		0.15	7.23	5.9	1360	1.49	0.23	3.01	0.14	39.9	5.9	10	15.65	20.9
W588156		6.15		0.21	7.04	20.4	1560	1.49	0.23	3.25	0.58	38.1	6.2	9	17.60	15.4
W588157		3.58		0.92	6.80	841	3590	1.55	0.31	3.80	1.11	42.3	6.9	9	19.90	44.0
W588158		1.41		1.49	7.01	1070	5110	1.42	0.29	4.50	1.35	44.4	7.0	8	19.50	61.3
W588159		9.62		0.29	6.82	19.1	2510	1.53	0.26	2.74	0.66	34.7	5.5	10	14.60	16.1
W588160		5.46		1.40	6.80	302	3240	1.57	0.60	2.46	1.49	37.2	15.0	9	14.75	22.9
W588161		11.37		0.17	7.14	17.0	2480	1.39	0.09	3.36	0.29	46.3	5.9	9	23.0	16.6
W588162		9.22		0.71	6.98	12.7	2060	1.43	1.37	3.39	0.14	38.0	6.6	10	15.50	14.8



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150495

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
W588127		2.70	13.50	0.12	0.7	0.071	2.94	21.2	14.5	0.86	1240	105.5	0.05	8.1	3.6	460
W588128		2.89	14.30	0.13	0.9	0.085	2.34	20.0	41.3	0.76	806	6.32	0.06	9.5	3.7	470
W588129		2.33	17.85	0.17	0.7	0.133	3.61	31.8	16.1	0.44	1150	7.92	0.05	9.5	5.9	530
W588130		2.34	16.15	0.13	0.7	0.086	3.68	26.1	15.9	0.69	1380	16.35	0.05	7.9	4.2	550
W588131		3.32	15.60	0.12	0.5	0.068	2.88	18.2	25.8	0.99	1340	8.10	0.31	7.7	4.4	580
W588132		3.38	15.30	0.13	0.7	0.120	3.02	19.3	23.4	1.02	2510	11.05	0.05	8.4	4.0	510
W588133		6.55	14.10	0.12	0.9	0.777	2.84	22.6	19.1	0.77	1780	7.79	0.12	5.6	11.9	540
W588134		3.23	13.95	0.12	0.6	0.381	3.13	21.1	12.3	0.92	1960	9.81	0.05	6.4	3.6	490
W588135		2.69	14.45	0.12	0.7	0.055	2.62	19.0	20.1	0.86	733	9.52	0.70	7.3	4.1	490
W588136		2.21	13.40	0.13	1.0	0.033	2.94	20.5	21.1	0.66	468	14.40	0.91	8.4	2.7	320
W588137		2.22	13.40	0.13	0.8	0.033	3.04	20.9	25.5	0.64	458	5.86	0.32	7.8	2.8	340
W588138		0.49	0.23	0.14	<0.1	0.016	0.04	0.7	1.0	13.40	209	0.17	0.01	0.2	1.7	170
W588139		2.59	11.15	0.11	0.7	0.215	2.83	25.0	17.8	0.86	1780	8.93	0.04	5.9	3.0	290
W588140		2.75	12.80	0.12	0.7	0.202	3.03	23.9	13.4	0.80	1200	12.90	0.04	6.3	2.6	310
W588141		2.48	13.55	0.14	0.9	0.227	3.27	28.6	9.6	0.90	2650	9.45	0.05	8.6	3.1	360
W588142		2.53	13.25	0.13	0.6	0.088	2.43	23.2	35.7	1.11	773	7.11	0.29	6.5	3.6	410
W588143		3.02	14.10	0.13	0.6	0.096	1.88	18.5	22.7	0.94	906	3.35	0.46	6.9	4.1	500
W588144		3.43	14.45	0.10	0.7	0.062	2.17	15.5	26.3	0.89	901	6.85	1.41	7.1	4.2	560
W588145		5.23	14.65	0.12	1.0	0.304	3.04	28.4	25.2	0.82	1920	14.40	0.16	5.5	14.5	540
W588146		3.72	14.90	0.13	0.7	0.097	2.42	24.9	39.8	1.05	1050	13.55	0.08	6.1	3.5	560
W588147		3.12	15.55	0.11	1.4	0.060	2.52	18.7	23.0	0.75	656	2.77	0.97	7.7	2.8	640
W588148		3.99	15.35	0.13	1.5	0.293	2.84	27.2	20.1	1.07	2130	2.50	0.08	6.0	7.6	570
W588149		3.32	14.25	0.12	1.1	0.178	3.12	16.9	12.9	0.80	2130	1.42	0.45	6.4	3.0	620
W588150		3.31	15.10	0.14	1.2	0.192	3.14	20.9	13.8	0.85	2120	1.34	0.45	6.7	3.1	630
W588151		3.14	15.45	0.11	1.3	0.142	3.19	15.8	28.9	0.60	1820	3.41	0.40	7.1	2.6	640
W588152		3.09	15.40	0.13	1.2	0.055	2.46	18.6	43.9	0.84	785	4.34	1.18	6.9	2.7	660
W588153		2.97	14.15	0.14	1.2	0.041	1.75	23.3	80.7	1.16	848	1.31	0.23	6.6	2.5	640
W588154		0.47	0.23	0.13	<0.1	<0.005	0.03	0.6	1.0	12.90	201	1.11	0.01	0.1	1.5	200
W588155		2.60	16.35	0.13	1.3	0.067	1.75	18.4	17.5	0.82	589	7.71	2.17	7.9	3.0	670
W588156		2.65	15.60	0.13	1.3	0.085	2.22	19.0	14.8	0.87	794	2.09	2.01	7.2	3.0	650
W588157		3.07	15.45	0.13	1.2	0.109	2.59	21.0	27.2	0.90	2320	3.14	0.65	7.2	2.9	620
W588158		3.11	14.75	0.13	1.1	0.119	2.66	23.3	32.3	0.98	3040	2.78	0.41	6.8	2.7	630
W588159		2.48	14.40	0.13	1.3	0.063	2.95	16.8	36.5	0.68	991	6.68	0.13	7.0	2.1	640
W588160		3.42	14.95	0.11	1.2	0.203	3.05	18.2	25.3	0.83	2900	7.64	0.07	6.6	3.3	650
W588161		3.07	14.25	0.14	1.2	0.099	2.44	24.9	37.6	1.13	1160	3.12	0.06	6.5	2.4	580
W588162		3.05	14.75	0.12	1.2	0.048	2.56	19.1	16.8	0.98	771	4.09	1.28	6.6	2.6	640



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150495

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	0.01	0.005	0.1
W588127		104.5	117.0	0.021	0.81	8.79	8.6	1	3.5	133.5	0.80	<0.05	12.85	0.239	3.7
W588128		62.7	92.4	0.016	0.40	13.40	9.3	1	1.7	136.0	1.02	<0.05	14.60	0.250	3.6
W588129		90.9	167.0	0.012	0.92	89.2	13.3	1	5.1	129.5	0.89	0.06	13.95	0.319	5.1
W588130		37.4	185.0	0.049	0.52	10.05	12.3	1	2.3	88.4	0.67	<0.05	12.75	0.307	3.4
W588131		52.3	111.0	0.017	0.72	11.05	11.7	1	2.1	183.0	0.61	<0.05	10.20	0.301	2.9
W588132		577	135.0	0.019	1.40	18.60	10.3	1	2.6	106.0	0.73	0.28	13.60	0.251	4.6
W588133		1270	151.0	<0.002	4.63	59.9	8.8	1	7.1	95.5	0.47	1.24	11.35	0.203	5.2
W588134		321	166.0	0.008	1.49	27.5	9.2	1	3.5	91.7	0.57	<0.05	12.60	0.226	2.9
W588135		18.9	86.4	0.015	0.22	18.00	9.4	1	1.5	230	0.68	<0.05	11.65	0.258	3.2
W588136		25.2	111.5	0.017	0.26	14.95	6.4	1	1.2	205	0.89	<0.05	17.45	0.186	4.4
W588137		16.1	107.0	0.007	0.16	8.40	6.1	1	3.1	157.5	0.83	<0.05	15.75	0.190	3.5
W588138		1.6	1.5	<0.002	0.01	0.17	0.2	1	0.4	52.0	<0.05	<0.05	0.17	<0.005	0.8
W588139		330	154.5	0.012	1.18	49.2	6.2	1	2.4	68.8	0.61	<0.05	15.35	0.163	3.9
W588140		936	161.0	0.014	1.67	36.9	6.0	<1	2.2	48.4	0.64	<0.05	14.55	0.167	5.1
W588141		228	156.0	0.009	0.60	18.20	6.9	1	2.0	84.3	0.91	<0.05	18.25	0.185	6.5
W588142		36.3	125.5	0.004	0.23	13.05	8.4	1	2.2	163.5	0.65	<0.05	13.55	0.212	3.5
W588143		19.5	61.2	<0.002	0.15	16.80	9.2	1	2.1	226	0.67	<0.05	9.62	0.255	3.0
W588144		39.7	63.0	0.006	0.07	6.12	9.6	1	1.3	351	0.58	<0.05	8.49	0.279	2.6
W588145		499	162.5	0.004	2.78	27.6	8.9	1	5.2	113.0	0.47	0.27	12.30	0.208	5.1
W588146		18.8	123.0	0.005	0.32	7.21	10.9	1	1.9	146.5	0.45	<0.05	9.51	0.256	2.8
W588147		14.6	77.6	0.003	0.09	3.88	10.6	1	1.8	253	0.62	<0.05	10.40	0.274	3.8
W588148		246	173.5	0.002	1.67	12.35	10.1	1	2.7	186.5	0.50	0.06	11.80	0.217	7.4
W588149		137.0	138.0	0.002	0.57	5.71	10.4	<1	4.4	134.5	0.52	<0.05	10.15	0.247	3.3
W588150		206	167.0	<0.002	0.54	5.71	11.6	1	4.6	138.5	0.57	<0.05	12.25	0.249	3.7
W588151		89.8	115.0	0.004	0.29	5.02	9.7	1	1.8	190.0	0.54	<0.05	9.34	0.279	3.7
W588152		16.3	77.2	0.005	0.09	6.33	10.2	1	1.3	310	0.55	<0.05	8.95	0.277	3.0
W588153		16.9	62.4	<0.002	0.14	7.75	10.5	1	1.4	243	0.53	<0.05	11.10	0.271	3.1
W588154		1.5	1.2	<0.002	<0.01	0.09	0.2	<1	<0.2	49.9	<0.05	<0.05	0.14	<0.005	1.1
W588155		19.0	62.4	0.008	0.03	3.64	10.6	1	4.4	407	0.66	<0.05	10.90	0.289	3.6
W588156		28.4	78.6	<0.002	0.10	5.06	10.2	1	3.0	366	0.56	<0.05	10.65	0.282	3.3
W588157		72.5	97.9	0.003	0.55	16.20	10.2	1	2.0	257	0.59	<0.05	9.86	0.267	4.0
W588158		88.0	104.0	0.004	0.66	22.7	10.1	1	2.5	246	0.53	0.05	9.81	0.272	3.8
W588159		30.7	100.5	0.016	0.18	7.69	9.5	1	1.4	156.5	0.56	<0.05	10.35	0.271	2.8
W588160		192.5	106.0	0.017	0.71	10.55	9.9	1	2.3	162.5	0.52	<0.05	9.25	0.262	4.4
W588161		18.8	99.7	0.004	0.18	10.95	10.5	1	1.2	215	0.53	<0.05	11.90	0.255	3.6
W588162		18.0	76.3	0.007	0.11	4.35	10.0	1	1.0	335	0.53	<0.05	9.99	0.270	4.1



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 21-AUG-2017
 Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150495

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		V	W	Y	Zn	Zr	Au
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
W588127		71	5.3	11.1	230	17.1	0.063
W588128		78	5.3	13.9	131	21.9	0.011
W588129		102	5.9	10.9	215	16.2	0.120
W588130		92	5.3	11.3	101	16.4	0.019
W588131		97	3.4	12.5	118	10.8	0.077
W588132		79	7.2	13.4	113	17.5	0.187
W588133		61	5.0	11.0	2370	26.8	0.944
W588134		73	5.5	10.1	759	16.8	0.166
W588135		80	4.5	12.7	70	15.5	0.022
W588136		52	3.6	10.8	49	24.0	0.016
W588137		55	3.8	10.2	44	19.9	0.010
W588138		2	0.1	0.8	25	<0.5	<0.005
W588139		52	3.6	8.2	360	16.4	0.363
W588140		54	5.9	5.7	779	19.5	0.860
W588141		55	5.2	11.0	292	21.5	0.021
W588142		69	3.4	12.4	84	14.6	0.010
W588143		81	4.5	14.3	59	12.8	0.009
W588144		86	4.6	13.0	98	18.8	0.016
W588145		67	4.9	11.8	898	29.5	0.362
W588146		81	3.2	14.0	74	18.3	0.005
W588147		78	2.1	13.5	51	40.8	<0.005
W588148		71	4.9	15.4	334	48.3	0.383
W588149		76	4.1	11.1	163	35.4	0.081
W588150		75	4.4	12.8	168	36.9	0.092
W588151		78	2.7	11.4	85	39.0	0.006
W588152		79	1.5	13.9	62	37.3	<0.005
W588153		74	3.6	15.9	65	34.5	0.008
W588154		2	0.1	0.7	16	<0.5	<0.005
W588155		80	4.8	15.5	51	38.6	<0.005
W588156		79	1.9	14.3	84	39.1	0.007
W588157		76	2.5	16.1	125	36.5	0.102
W588158		77	2.7	17.1	140	34.1	0.128
W588159		76	2.8	12.1	82	39.2	<0.005
W588160		76	4.5	12.0	177	39.2	0.060
W588161		71	2.1	15.9	66	36.1	<0.005
W588162		76	0.9	14.3	49	37.4	0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150495

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag-OG62 Au-AA24 ME-MS61 ME-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-AUG-2017
Account: ROCKHA

CERTIFICATE WH17150500

Project: Klaza

P.O. No.: 17-063

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND 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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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150500

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag 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	1	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W588019		5.11		1.78	7.07	136.0	740	1.59	0.98	2.56	1.89	52.1	5.5	11	22.4	90.4
W588020		7.98		0.24	7.93	21.6	2810	1.70	0.27	1.84	0.38	42.0	5.9	12	15.15	20.7
W588021		9.97		0.42	7.44	38.0	2060	1.66	0.28	2.19	1.70	48.4	6.4	10	18.15	15.8
W588022		2.23		6.83	7.10	736	370	1.77	4.01	2.17	75.3	56.2	6.6	8	18.15	454
W588023		7.56		0.28	7.90	24.4	1940	1.36	0.20	1.95	0.42	53.9	4.6	10	15.85	9.0
W588024		6.91		0.09	7.34	12.3	1690	1.49	0.30	2.01	0.16	103.5	7.8	10	9.83	11.7
W588025		5.90		0.20	6.70	18.9	1510	1.49	0.34	2.27	0.28	95.1	9.7	9	12.20	12.5
W588026		7.81		0.60	7.79	29.9	1510	1.54	0.31	1.58	0.88	44.7	8.3	12	18.40	32.3
W588027		4.04		0.59	7.64	27.4	1370	1.58	0.32	1.72	0.69	44.7	8.7	9	19.05	50.1
W588028		2.45		2.26	7.22	1265	350	1.69	1.37	1.85	8.48	46.7	6.0	9	17.25	39.9
W588029		5.32		0.26	7.78	30.0	1210	1.51	0.16	1.43	0.74	47.5	4.8	10	16.75	28.5
W588030		4.29		0.85	7.67	82.6	2030	1.71	0.61	1.59	4.59	45.2	7.9	11	19.25	31.7
W588031		4.52	101	>100	5.76	1870	110	1.19	184.0	0.18	40.6	31.7	15.1	8	5.67	1135
W588032		6.05		0.12	0.07	3.2	50	0.07	0.23	21.1	0.13	1.26	0.6	1	0.21	2.9
W588033		4.20		1.23	7.65	39.2	1980	1.57	1.48	2.42	2.72	48.7	9.6	10	11.10	40.1
W588034		9.19		0.37	7.43	13.1	2260	1.42	0.46	2.68	0.16	43.9	6.6	12	14.15	32.2
W588035		14.09		0.66	7.84	30.6	2250	1.57	0.80	2.30	1.00	51.7	8.4	13	13.90	24.1
W588036		14.27		0.07	7.53	7.2	2190	1.47	0.12	2.41	0.11	43.0	5.9	12	13.40	6.8
W588037		0.26		9.47	6.59	1860	180	1.53	6.35	1.97	42.0	39.5	18.1	23	16.65	111.5
W588038		8.13		0.42	6.98	62.2	1940	1.60	0.29	1.97	0.64	40.4	7.0	10	17.70	11.2
W588039		2.96		8.01	5.60	1775	960	1.19	1.87	0.86	18.30	33.2	5.8	8	8.53	51.3
W588040		8.59		0.30	7.35	177.0	2030	1.74	0.21	2.71	0.30	46.6	8.0	9	20.0	19.5
W588041		<0.02		0.31	7.41	171.5	2030	1.78	0.22	2.74	0.29	47.7	8.4	9	20.2	20.5
W588042		11.19		1.21	7.66	52.3	1450	1.65	0.61	2.03	7.90	55.6	16.1	8	10.70	29.5
W588043		7.55		2.68	7.43	135.0	910	1.44	2.47	1.33	6.34	62.1	26.3	11	6.32	47.7
W588044		6.55		0.85	6.98	37.0	1190	1.54	0.97	1.04	1.54	46.4	22.3	10	14.85	20.3
W588045		6.06		0.01	0.07	<0.2	30	<0.05	0.03	21.2	0.06	1.10	0.9	1	0.15	2.0
W588046		10.73		0.45	7.92	35.1	2040	1.37	0.56	2.13	1.37	53.9	11.5	9	18.45	11.6
W588047		5.10		0.13	7.41	16.1	1710	1.62	0.19	2.10	1.19	42.2	6.9	11	24.1	10.7
W588048		4.07		0.22	7.61	20.2	2200	1.61	0.11	1.95	4.91	47.5	7.2	9	12.80	10.7
W588049		0.26		4.33	6.97	696	620	1.44	3.28	2.12	10.50	46.8	13.3	26	13.30	310
W588050		2.13		0.86	6.42	36.3	2760	1.49	0.15	4.30	10.35	41.5	8.8	8	17.50	11.7
W588051		4.30		0.18	7.72	18.7	2490	1.63	0.16	2.21	2.60	48.5	8.8	9	12.50	12.1
W588052		4.50		0.54	7.82	64.9	2050	1.77	0.15	2.78	8.69	52.5	7.9	11	16.15	11.4
W588053		2.30		5.12	6.74	3300	930	1.46	2.79	1.26	40.9	48.3	5.9	9	12.40	88.2
W588054		2.55		20.0	7.32	323	1730	2.00	26.7	2.34	60.1	66.8	7.7	22	21.5	516



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150500

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
W588019		4.00	14.05	0.07	0.8	0.225	3.00	30.4	40.8	0.97	2010	6.58	0.04	6.8	2.2	540
W588020		3.16	15.95	0.07	1.0	0.059	2.71	21.8	229	0.70	820	1.16	0.11	8.8	2.3	650
W588021		3.84	15.35	0.07	0.9	0.066	2.69	27.5	57.1	0.76	1040	5.68	1.26	7.9	2.0	600
W588022		5.39	15.00	0.08	0.9	2.99	3.11	33.9	62.3	0.89	2140	8.24	0.04	8.0	2.6	600
W588023		3.75	16.40	0.08	1.0	0.040	2.74	30.2	105.5	0.64	614	7.84	0.73	9.0	1.8	640
W588024		3.42	15.85	0.09	0.9	0.127	2.35	68.3	64.3	0.73	794	4.01	0.37	7.4	2.5	600
W588025		2.34	14.20	0.09	0.8	0.072	2.47	60.6	93.9	0.79	892	1.31	0.08	6.1	1.6	530
W588026		3.11	16.20	0.07	1.1	0.091	3.01	24.0	43.3	0.60	842	2.53	0.06	8.4	3.9	630
W588027		3.04	16.45	0.07	1.0	0.059	3.12	23.6	47.3	0.63	826	2.22	0.06	8.0	3.2	630
W588028		4.47	15.35	0.07	1.0	0.170	3.19	24.8	71.4	0.69	1930	5.57	0.05	7.5	2.4	540
W588029		3.15	15.85	0.07	1.1	0.097	2.72	25.5	127.0	0.53	1050	0.66	0.07	8.2	1.8	610
W588030		3.79	15.65	0.07	0.9	0.138	3.01	24.2	204	0.71	1140	0.92	0.04	7.9	2.4	580
W588031		11.75	13.10	0.06	0.7	1.725	2.85	15.7	8.3	0.32	788	3.56	0.03	5.6	2.7	440
W588032		0.51	0.20	0.06	<0.1	0.008	0.03	0.6	1.4	13.00	216	0.06	<0.01	0.2	1.4	160
W588033		3.62	15.45	0.08	1.0	0.112	3.13	26.0	22.8	0.72	657	0.73	1.60	8.2	2.3	610
W588034		3.16	15.70	0.08	1.1	0.048	2.96	23.1	16.2	0.70	529	0.61	1.97	8.3	2.5	560
W588035		3.55	15.55	0.08	1.1	0.068	3.08	27.7	25.1	0.72	584	0.77	1.76	8.2	2.3	600
W588036		3.10	15.65	0.07	1.1	0.034	2.91	21.7	22.4	0.74	479	0.55	1.96	8.2	2.3	590
W588037		5.34	14.50	0.06	1.3	0.901	2.99	20.0	24.9	0.71	2020	12.00	0.28	7.7	14.7	500
W588038		3.23	15.40	0.07	1.0	0.092	2.83	20.3	131.0	0.66	1500	0.56	0.08	8.1	2.3	590
W588039		4.48	11.95	0.07	0.8	0.449	2.61	17.0	28.3	0.42	2350	14.70	0.03	5.5	3.6	420
W588040		2.84	15.90	0.11	1.1	0.035	3.22	24.9	156.0	0.83	1280	0.57	0.08	8.0	2.6	610
W588041		2.89	16.10	0.13	1.2	0.037	3.27	25.6	160.5	0.83	1300	1.30	0.08	8.1	2.5	600
W588042		2.71	16.50	0.13	1.1	0.151	3.48	30.1	96.1	0.68	1200	0.45	0.11	7.4	2.2	590
W588043		3.52	16.35	0.11	1.0	0.245	3.74	33.4	8.4	0.59	1610	4.44	0.04	6.9	2.7	590
W588044		3.06	15.55	0.13	1.1	0.103	2.94	25.0	175.0	0.49	723	3.93	0.04	6.8	3.1	580
W588045		0.46	0.28	0.20	<0.1	<0.005	0.03	0.5	1.6	13.00	201	0.08	<0.01	0.2	0.6	170
W588046		3.12	16.65	0.14	1.3	0.056	3.19	29.2	111.5	0.80	982	1.04	0.04	8.2	2.7	600
W588047		2.83	16.55	0.14	1.2	0.044	2.62	21.5	268	0.66	675	0.95	0.08	8.5	2.1	610
W588048		3.25	16.30	0.15	1.1	0.055	2.91	25.4	13.3	0.65	839	1.42	1.80	8.1	2.8	600
W588049		5.14	15.55	0.09	1.1	0.311	3.08	26.4	27.3	0.79	1930	14.90	0.15	6.5	15.4	550
W588050		3.49	13.90	0.12	0.9	0.070	2.52	22.8	23.2	1.02	1500	2.08	0.46	6.9	2.7	530
W588051		3.19	16.85	0.15	1.2	0.055	2.95	26.3	12.5	0.50	696	2.25	2.06	8.5	2.8	640
W588052		3.35	17.05	0.16	1.2	0.049	3.36	27.7	15.2	0.71	1360	2.19	1.00	8.1	2.6	620
W588053		4.63	15.55	0.12	1.1	0.835	3.16	25.8	14.9	0.59	1140	4.20	0.04	6.7	2.6	520
W588054		3.69	18.00	0.17	4.3	1.375	2.31	35.9	116.5	0.99	777	1.70	0.05	10.9	8.0	1380



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Page: 2 - C
Total # Pages: 2 (A - D)
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Finalized Date: 20-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150500

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
W588019		134.0	154.5	<0.002	1.29	37.4	9.4	<1	3.6	127.5	0.53	0.05	12.05	0.224	2.55	5.0
W588020		32.2	91.0	<0.002	0.24	21.0	11.1	1	2.9	172.0	0.68	<0.05	12.35	0.278	1.50	3.6
W588021		91.0	110.0	<0.002	0.37	7.85	10.5	1	3.0	221	0.60	<0.05	12.00	0.250	1.81	4.0
W588022		537	164.5	<0.002	2.90	62.1	10.5	<1	5.2	78.4	0.60	<0.05	12.35	0.250	2.71	7.9
W588023		21.2	97.2	<0.002	0.12	12.50	11.4	1	3.0	192.5	0.65	<0.05	13.30	0.274	1.31	3.4
W588024		5.9	93.6	<0.002	0.39	12.25	9.7	1	3.6	108.0	0.60	<0.05	11.90	0.244	1.55	2.5
W588025		7.5	107.5	<0.002	0.49	10.70	8.5	1	3.5	105.5	0.48	0.05	12.30	0.191	1.79	4.0
W588026		34.0	131.5	<0.002	0.67	12.45	11.3	1	3.2	105.0	0.64	<0.05	13.60	0.259	2.19	7.1
W588027		29.8	130.5	<0.002	0.72	12.05	10.9	1	5.0	98.9	0.63	<0.05	12.95	0.252	2.25	7.6
W588028		321	159.0	<0.002	2.53	29.2	9.9	1	4.3	95.3	0.56	<0.05	12.30	0.231	2.47	6.0
W588029		32.9	115.0	<0.002	0.30	29.4	10.7	1	2.0	128.0	0.60	<0.05	13.20	0.262	1.69	4.0
W588030		85.1	142.0	<0.002	1.07	15.15	10.5	<1	3.2	161.0	0.59	<0.05	13.40	0.244	2.42	4.3
W588031		2000	180.5	<0.002	>10.0	170.0	8.4	1	10.7	14.4	0.45	0.64	10.45	0.171	2.07	4.4
W588032		3.8	1.7	<0.002	0.02	0.39	0.2	<1	<0.2	50.5	<0.05	<0.05	0.11	<0.005	0.02	0.5
W588033		193.0	133.5	<0.002	0.63	4.57	10.2	1	2.9	291	0.60	<0.05	13.45	0.257	1.48	3.9
W588034		19.8	116.0	<0.002	0.14	4.12	9.9	1	1.9	355	0.64	<0.05	12.60	0.249	1.25	3.9
W588035		54.8	129.5	<0.002	0.60	6.82	10.5	1	2.6	326	0.66	<0.05	13.80	0.256	1.32	4.2
W588036		17.1	105.5	<0.002	0.06	3.01	11.0	1	1.9	336	0.64	<0.05	12.50	0.254	1.11	3.9
W588037		1410	145.0	<0.002	3.16	34.4	8.6	<1	5.6	151.5	0.59	0.29	11.40	0.211	2.42	4.9
W588038		67.1	109.5	<0.002	0.60	18.30	10.2	1	2.5	136.5	0.61	<0.05	11.40	0.248	2.06	4.7
W588039		812	156.0	0.002	3.33	47.8	7.1	1	6.1	55.9	0.44	0.11	9.06	0.176	2.15	5.5
W588040		26.4	137.0	<0.002	0.58	21.0	9.8	1	2.2	182.0	0.62	<0.05	12.35	0.251	2.59	5.2
W588041		26.4	137.5	<0.002	0.59	21.5	10.0	1	2.2	183.0	0.64	<0.05	12.60	0.255	2.71	5.2
W588042		391	186.5	<0.002	1.11	10.60	9.4	1	3.3	116.5	0.60	0.06	13.65	0.225	2.72	5.3
W588043		259	227	<0.002	2.55	17.10	9.7	1	5.7	29.2	0.53	0.13	12.65	0.219	2.91	4.6
W588044		55.4	167.0	<0.002	1.65	15.75	10.1	1	2.8	185.0	0.56	0.20	12.55	0.212	2.71	5.7
W588045		1.6	1.4	<0.002	<0.01	0.14	0.1	1	0.2	49.0	<0.05	<0.05	0.11	<0.005	<0.02	0.7
W588046		67.9	152.5	<0.002	1.04	10.45	10.2	1	2.5	233	0.72	0.09	14.65	0.252	2.88	4.9
W588047		58.3	93.9	<0.002	0.36	20.1	9.9	1	2.1	208	0.72	<0.05	12.10	0.260	1.78	3.7
W588048		71.3	123.5	<0.002	0.03	5.34	10.4	1	1.9	274	0.64	<0.05	12.55	0.261	1.43	2.4
W588049		493	163.5	0.004	2.78	27.6	9.2	1	5.6	113.5	0.51	0.31	11.20	0.215	2.46	5.1
W588050		604	108.0	<0.002	0.23	16.05	8.8	1	1.6	159.5	0.52	<0.05	10.35	0.221	1.48	4.3
W588051		36.2	127.0	<0.002	0.07	4.84	10.7	1	2.2	302	0.67	<0.05	12.60	0.269	1.32	2.6
W588052		190.0	160.5	<0.002	0.46	5.11	10.9	1	2.2	218	0.65	<0.05	13.85	0.260	2.39	4.6
W588053		1650	187.5	<0.002	3.20	30.2	9.0	1	4.2	58.6	0.52	0.05	10.90	0.212	2.81	3.8
W588054		547	95.6	<0.002	1.40	67.0	6.3	1	2.9	440	0.63	0.17	8.47	0.347	1.28	5.1



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150500

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	Au-AA24 Au ppm 0.005
W588019		63	3.3	13.3	200	23.9	0.057
W588020		73	6.8	14.5	69	29.4	0.006
W588021		67	2.7	14.8	227	26.4	0.006
W588022		69	4.0	11.5	7600	26.9	0.163
W588023		71	3.7	15.3	69	30.3	0.008
W588024		70	1.8	12.7	70	27.6	0.008
W588025		54	1.5	12.3	53	24.0	0.041
W588026		72	2.7	14.9	123	33.6	0.017
W588027		72	2.6	15.3	105	32.6	0.018
W588028		64	2.7	12.4	845	29.1	0.208
W588029		69	2.8	13.7	98	33.6	<0.005
W588030		67	4.1	12.5	460	27.8	0.027
W588031		50	3.2	9.9	3310	21.2	8.28
W588032		2	0.1	0.8	24	0.5	<0.005
W588033		69	1.3	14.7	314	29.8	0.374
W588034		66	1.2	15.6	42	31.8	0.005
W588035		69	1.4	15.9	132	32.1	0.161
W588036		67	1.4	16.0	39	33.1	<0.005
W588037		58	5.1	11.2	3100	40.3	0.817
W588038		67	2.2	13.8	86	29.9	0.054
W588039		51	2.9	8.8	1620	25.0	1.300
W588040		67	2.9	15.7	52	32.8	0.035
W588041		68	2.9	16.0	50	34.0	0.034
W588042		60	2.4	13.4	912	29.6	0.019
W588043		61	3.5	11.2	610	29.6	0.048
W588044		64	6.5	12.7	165	31.5	0.013
W588045		2	0.1	0.8	16	<0.5	<0.005
W588046		71	5.0	14.1	140	35.2	0.010
W588047		70	3.2	15.1	120	35.1	<0.005
W588048		73	3.4	16.9	429	32.5	0.007
W588049		68	5.6	12.3	889	33.3	0.360
W588050		63	3.5	16.8	704	28.0	0.030
W588051		75	3.2	17.8	234	35.1	0.006
W588052		72	3.0	17.4	970	34.5	0.016
W588053		59	5.2	8.7	2860	33.3	0.983
W588054		64	2.5	14.3	5300	192.0	1.180



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150500

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

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Project: Klaza

P.O. No.: 17-066

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
BAG-06	Double Bagging Coarse Rejects
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Aq-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150509

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR22 Au ppm	Ag-OG62 Ag ppm	Cu-OG62 Cu %	Pb-OG62 Pb %	Zn-OG62 Zn %	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
		0.02	0.05	1	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01
V341759		3.15					1.630	1.19	7.81	416	1440	1.56	0.82	0.22	260	52.7
V341760		<0.02					1.630	1.24	7.57	421	1410	1.64	0.78	0.21	251	49.4
V341761		3.83						18.05	6.96	352	660	1.62	9.02	0.41	64.7	46.1
V341762		1.36					8.67	52.6	4.17	8790	410	0.84	30.0	0.39	>1000	20.2
V341763		4.08		102				>100	6.41	3720	440	1.33	201	1.64	11.65	44.9
V341764		3.97						15.75	3.45	1975	430	1.18	11.80	5.14	14.70	20.4
V341765		2.38					4.62	37.2	2.30	>10000	390	0.97	43.1	1.25	717	15.80
V341766		0.30						38.4	5.71	2510	950	1.21	34.9	1.61	43.9	33.3
V341767		6.16						8.39	6.42	9500	760	1.51	6.43	0.61	109.0	41.9
V341768		2.20						27.5	4.39	>10000	360	1.18	5.75	0.25	121.5	44.1
V341769		2.46		294			1.400	>100	1.08	1195	80	0.44	526	4.53	172.0	5.75
V341770		2.88	26.7				1.120	12.10	4.90	>10000	440	1.03	8.00	0.98	170.0	37.7
V341771		6.07						0.05	0.05	36.4	20	0.05	0.09	20.2	0.29	0.96
V341772		2.25						6.88	6.09	7110	470	1.70	4.68	1.49	51.0	43.9
V341773		6.27						1.54	7.89	71.9	1250	1.76	0.45	2.41	15.80	52.1
V341774		3.80	182.0	231		2.36	5.36	>100	3.21	>10000	130	0.82	45.9	1.30	698	17.75
V341775		2.52	17.20					21.6	5.66	914	670	1.28	27.6	1.79	16.40	38.3
V341776		2.03		245				>100	5.66	766	280	1.38	384	2.70	11.70	45.2
V341777		3.08		103				>100	1.63	1705	100	0.40	153.5	6.45	96.7	27.8
V341778		2.63	13.20					23.0	1.87	1450	70	0.55	29.0	5.40	5.69	6.06
V341779		2.30						28.5	5.60	9240	1300	1.20	8.17	2.05	148.5	36.6
V341780		6.15						0.07	0.05	7.0	150	0.07	0.05	20.2	0.33	1.01
V341781		4.56						2.98	3.38	77.7	230	0.87	2.72	2.33	4.34	10.60
V341782		4.15						5.07	3.98	133.5	140	1.17	2.84	1.43	19.60	13.85
V341783		3.82						3.62	3.24	192.5	120	0.97	7.18	2.60	3.35	21.7
V341784		5.90						2.31	5.69	41.8	320	1.20	3.07	0.91	2.66	20.7
V341785		<0.02						2.31	5.67	42.1	340	1.36	3.09	0.92	2.70	21.4
V341786		1.89				1.255	2.04	69.6	3.76	>10000	190	0.81	59.6	1.00	260	28.2
V341787		1.73						12.00	5.79	>10000	60	1.04	5.01	1.90	26.2	20.8
V341788		1.67		106			1.350	>100	5.82	>10000	350	1.58	9.97	2.82	194.5	42.3
V341789		2.37					5.79	48.6	5.47	>10000	160	1.54	44.5	2.35	887	37.1
V341790		0.16	NSS	127	2.82	2.47	15.50	>100	4.58	190.0	790	0.43	1.98	2.10	861	20.4
V341791		1.47					2.38	19.35	5.51	355	170	1.28	4.26	3.18	351	38.3
V341792		4.00		149		4.09		>100	4.88	4240	840	1.56	20.6	1.92	402	32.5
V341793		8.14						10.40	6.41	634	1220	1.43	3.63	0.09	59.3	62.0
V341794		1.68					3.16	33.5	6.25	1735	400	1.39	32.5	1.66	512	43.7



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17150509

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
		Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
		0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
V341759		7.1	8	22.4	104.5	3.73	15.65	0.13	1.1	0.216	2.92	28.2	143.0	0.18	2450
V341760		6.9	8	21.8	105.0	3.64	15.55	0.12	1.1	0.205	2.89	26.1	142.0	0.18	2400
V341761		6.5	8	18.10	1200	4.49	14.45	0.13	1.0	0.550	2.89	24.2	139.0	0.25	1690
V341762		11.3	8	6.06	1015	7.23	11.35	0.11	0.5	15.95	2.06	9.5	14.8	0.24	1080
V341763		14.2	9	11.60	1390	8.09	13.70	0.13	0.8	0.923	2.99	23.9	15.6	0.92	1410
V341764		4.4	5	8.56	48.0	4.12	7.81	0.09	0.5	0.557	1.45	10.2	26.1	1.90	5070
V341765		3.2	10	13.85	726	4.41	5.37	0.08	0.4	24.7	0.79	8.1	38.6	0.47	1980
V341766		16.2	22	9.31	1175	9.03	12.95	0.12	0.8	1.480	2.56	16.2	15.7	0.67	2320
V341767		7.0	8	12.05	294	5.58	17.40	0.12	0.9	1.865	2.91	22.1	9.1	0.46	2080
V341768		12.5	8	9.96	279	8.47	11.30	0.09	0.7	0.845	2.00	21.9	21.5	0.20	627
V341769		18.4	4	1.85	3790	22.9	3.07	0.11	0.1	4.23	0.50	2.1	9.8	1.81	2850
V341770		5.1	9	7.43	140.0	9.41	13.15	0.09	0.7	2.58	2.25	19.5	12.8	0.44	3600
V341771		0.8	<1	0.12	4.3	0.46	0.18	0.06	<0.1	0.009	0.02	0.5	1.0	12.75	201
V341772		8.2	5	36.6	194.0	5.03	13.80	0.07	1.2	1.405	1.94	22.9	50.2	0.54	3550
V341773		8.3	7	56.9	27.9	2.55	16.85	0.11	1.2	0.191	3.06	27.6	31.2	0.87	759
V341774		8.8	6	7.11	3040	11.85	10.60	0.07	0.4	14.55	1.44	7.3	11.4	0.53	5230
V341775		7.6	9	7.36	244	9.98	13.00	0.08	0.9	0.776	2.81	19.2	6.0	0.92	6860
V341776		4.8	6	19.65	5850	6.75	13.75	0.10	0.9	3.34	2.74	23.3	11.0	1.23	2400
V341777		9.4	2	4.24	2170	20.1	7.19	0.11	0.3	1.525	0.65	14.9	11.9	2.53	6790
V341778		6.9	3	3.24	366	21.0	5.33	0.08	0.3	0.452	0.82	3.2	7.2	2.27	4230
V341779		5.9	8	13.95	1130	6.35	13.45	0.08	0.8	7.66	2.18	18.4	26.3	0.74	1300
V341780		0.8	<1	0.12	5.1	0.45	0.17	0.06	<0.1	0.016	0.02	0.5	1.0	12.80	196
V341781		248	8	5.42	26.2	6.05	7.02	0.07	0.5	0.103	1.53	5.1	15.4	0.92	1240
V341782		154.5	10	8.05	68.1	5.96	8.81	0.07	0.6	0.475	1.75	6.8	31.3	0.54	955
V341783		111.0	6	6.31	26.3	15.65	8.12	0.10	0.7	0.193	1.53	9.2	26.6	0.88	1440
V341784		47.1	7	7.36	46.9	4.19	13.70	0.06	0.9	0.221	2.75	9.0	31.2	0.41	608
V341785		47.1	9	7.36	45.3	4.23	13.60	0.07	1.0	0.221	2.71	9.3	33.0	0.41	612
V341786		60.4	10	4.89	269	17.75	10.40	0.11	0.6	2.26	1.74	13.4	7.1	0.37	1840
V341787		8.9	9	10.30	107.5	10.45	13.00	0.08	1.3	0.855	2.65	8.5	8.7	0.65	1780
V341788		11.9	7	32.1	471	8.25	13.15	0.09	0.9	3.37	2.18	21.3	23.9	0.95	2660
V341789		8.4	6	20.9	1205	6.19	12.80	0.08	1.0	26.4	2.30	18.8	13.3	0.90	1760
V341790		61.8	46	1.43	>10000	9.97	16.80	0.09	0.6	3.28	0.86	9.1	6.0	0.83	1750
V341791		12.0	18	20.4	270	5.45	12.25	0.08	0.9	10.15	2.23	18.9	16.7	1.07	3910
V341792		1.3	6	20.3	1145	5.56	12.10	0.06	0.9	8.08	2.25	17.2	18.5	0.91	2030
V341793		3.2	8	15.80	98.4	4.52	16.25	0.09	0.9	0.580	3.08	35.7	14.9	0.21	217
V341794		6.5	9	13.75	486	5.90	14.25	0.09	0.8	13.45	2.93	22.3	27.7	0.72	1410



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17150509

Sample Description	Method Analyte Units LOR	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm
		0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05
V341759		0.06	7.6	2.3	590	314	148.5	<0.002	0.34	27.7	9.9	<1	6.0	90.1	0.61	<0.05
V341760		0.05	7.3	2.2	590	303	145.0	<0.002	0.34	27.0	9.8	1	5.9	87.6	0.60	<0.05
V341761		0.06	6.8	2.2	540	671	151.5	<0.002	2.05	164.0	9.2	<1	2.3	77.4	0.57	0.09
V341762		0.04	4.0	2.1	310	7240	141.5	<0.002	9.70	59.5	5.3	1	7.3	21.1	0.33	0.13
V341763		0.03	5.4	3.0	480	1560	199.5	<0.002	6.60	167.0	8.4	1	9.6	42.1	0.46	0.61
V341764		0.02	3.2	1.8	220	2800	81.1	<0.002	2.12	61.1	4.7	<1	4.5	124.0	0.26	<0.05
V341765		0.01	2.2	2.0	130	2820	45.9	0.002	5.24	308	2.7	<1	7.3	136.5	0.17	0.05
V341766		0.06	4.4	14.0	450	1685	145.0	0.002	7.81	104.0	7.8	1	10.3	60.6	0.37	0.73
V341767		0.02	6.1	2.1	480	695	161.0	<0.002	3.16	44.1	8.3	<1	16.3	31.6	0.51	<0.05
V341768		0.02	4.4	5.2	310	3740	127.5	<0.002	8.64	126.0	6.3	1	9.3	26.0	0.37	0.48
V341769		0.01	0.8	3.5	70	2600	30.4	0.002	>10.0	450	2.1	6	6.6	68.9	0.06	4.96
V341770		0.02	5.0	2.5	390	1410	121.5	<0.002	6.65	122.0	6.8	<1	11.6	28.8	0.40	0.05
V341771		0.01	0.1	1.3	190	2.8	1.0	<0.002	0.01	0.21	0.2	<1	<0.2	46.5	<0.05	<0.05
V341772		0.02	6.3	2.0	490	595	109.5	<0.002	2.75	70.6	7.7	1	9.8	369	0.53	0.07
V341773		0.07	8.4	2.0	660	555	166.5	<0.002	0.48	12.65	11.1	<1	5.5	106.0	0.63	<0.05
V341774		0.02	2.3	3.3	240	>10000	86.0	<0.002	>10.0	537	3.8	1	27.5	40.8	0.21	0.12
V341775		0.03	5.4	2.4	450	415	213	<0.002	7.89	20.1	8.1	1	7.6	37.4	0.42	0.48
V341776		0.03	5.7	3.0	470	1210	218	0.005	5.30	297	9.3	1	10.2	42.1	0.45	0.38
V341777		0.01	1.5	3.5	210	2100	34.8	0.004	>10.0	807	2.8	2	8.5	129.5	0.13	1.19
V341778		0.02	1.8	2.6	120	428	44.1	0.005	>10.0	109.5	2.7	1	5.4	82.8	0.15	0.97
V341779		0.35	5.7	2.5	400	2560	126.5	<0.002	5.08	127.0	7.7	1	10.8	82.2	0.50	<0.05
V341780		0.01	0.1	1.4	160	8.4	0.8	<0.002	0.02	0.38	0.2	<1	<0.2	47.2	<0.05	<0.05
V341781		0.03	2.7	9.6	160	163.5	90.2	0.005	5.72	14.30	3.0	2	2.3	38.4	0.24	0.42
V341782		0.03	3.3	7.8	190	337	97.2	0.002	5.85	21.9	4.0	2	2.9	61.3	0.28	0.38
V341783		0.03	3.4	10.4	440	255	101.0	0.009	>10.0	56.3	3.6	4	7.2	50.0	0.24	1.89
V341784		0.04	4.7	2.8	430	96.4	172.0	0.005	3.59	33.0	5.7	1	5.2	48.0	0.40	0.42
V341785		0.04	4.8	2.7	420	98.9	174.5	0.006	3.68	32.0	5.7	1	5.4	48.5	0.40	0.43
V341786		0.02	3.5	2.6	330	>10000	98.3	<0.002	>10.0	153.0	4.1	2	10.7	28.7	0.27	3.76
V341787		0.03	6.7	3.8	560	1030	123.5	<0.002	9.75	151.5	7.3	2	8.3	88.3	0.51	0.70
V341788		0.03	5.9	3.3	490	9790	124.5	<0.002	7.08	207	7.7	1	8.7	126.5	0.44	0.66
V341789		0.03	6.1	2.9	430	1495	118.5	<0.002	6.09	119.0	7.5	1	6.3	55.7	0.52	0.33
V341790		1.14	2.2	19.4	590	>10000	28.2	0.071	>10.0	199.0	11.0	9	19.6	236	0.15	0.54
V341791		0.03	5.6	2.1	390	1075	127.0	<0.002	4.07	28.9	7.7	1	2.7	119.5	0.46	0.12
V341792		0.03	5.9	0.9	240	>10000	139.5	<0.002	0.71	239	6.4	1	7.5	70.5	0.47	0.19
V341793		0.04	6.4	1.3	350	2890	181.5	<0.002	1.29	57.0	7.9	<1	4.6	17.4	0.51	0.07
V341794		0.05	6.5	2.4	510	4440	159.0	<0.002	5.38	34.3	8.4	1	5.6	54.9	0.51	0.15



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Page: 2 - D
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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	Au-AA24
		Th	Ti	Ti	U	V	W	Y	Zn	Zr	Au
		ppm 0.01	% 0.005	ppm 0.02	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V341759		13.95	0.246	2.54	5.8	68	4.5	15.2	>10000	31.4	0.152
V341760		13.10	0.240	2.44	5.5	66	4.3	14.5	>10000	31.2	0.449
V341761		11.80	0.223	3.00	4.2	62	3.6	12.8	4410	27.9	0.826
V341762		4.97	0.136	2.14	2.2	40	2.9	5.4	>10000	15.3	8.71
V341763		10.70	0.193	2.81	3.7	56	5.5	10.0	1200	22.1	2.24
V341764		5.50	0.109	1.63	4.7	32	3.9	7.3	1220	14.3	1.120
V341765		3.76	0.073	1.80	28.0	21	3.1	5.9	>10000	12.1	8.44
V341766		8.33	0.166	2.20	5.1	55	7.1	8.7	3460	22.1	1.740
V341767		11.30	0.205	2.88	2.8	56	8.6	8.8	6970	24.7	6.80
V341768		7.88	0.137	1.88	2.1	42	4.0	6.5	8720	17.4	6.59
V341769		1.21	0.028	0.49	6.4	14	1.1	5.4	>10000	3.8	2.66
V341770		8.50	0.162	2.11	3.3	43	5.1	8.1	>10000	19.1	>10.0
V341771		0.12	<0.005	0.02	0.8	2	0.1	0.7	29	<0.5	0.016
V341772		11.20	0.199	2.03	6.8	51	6.7	10.5	3750	31.1	5.47
V341773		13.35	0.264	2.48	3.9	73	3.8	12.6	1080	32.8	0.024
V341774		4.90	0.082	1.33	1.9	32	1.5	4.7	>10000	11.1	>10.0
V341775		10.20	0.173	2.43	4.2	51	5.4	6.2	1340	22.6	>10.0
V341776		9.65	0.186	2.40	5.8	59	6.5	8.9	869	22.0	1.785
V341777		3.61	0.043	0.66	5.1	19	5.2	16.8	8650	7.0	2.60
V341778		3.70	0.056	0.68	8.0	17	4.3	5.2	445	7.8	>10.0
V341779		8.74	0.174	1.84	5.8	51	2.3	10.9	9220	22.1	4.04
V341780		0.07	<0.005	0.02	0.7	2	0.1	0.7	31	<0.5	0.013
V341781		6.07	0.084	1.31	4.2	24	1.8	6.4	333	14.1	1.950
V341782		5.73	0.101	1.47	4.7	29	2.0	8.0	1430	18.1	1.520
V341783		5.52	0.111	1.36	7.8	32	3.1	10.9	277	23.4	0.256
V341784		9.79	0.146	2.05	6.3	38	3.6	8.8	252	26.0	0.040
V341785		10.10	0.145	2.09	6.5	38	3.5	8.8	258	27.5	0.037
V341786		5.42	0.115	1.40	2.4	31	3.8	4.6	>10000	20.5	5.12
V341787		8.59	0.210	2.47	6.7	56	5.9	5.9	1900	43.1	2.42
V341788		10.65	0.188	1.99	4.1	50	4.7	10.1	>10000	25.9	3.79
V341789		9.38	0.181	2.36	6.7	49	3.9	11.5	>10000	27.2	6.49
V341790		1.79	0.180	7.24	2.2	124	9.8	11.8	>10000	11.7	>10.0
V341791		9.65	0.172	2.12	4.6	50	3.9	12.3	>10000	25.4	2.08
V341792		9.12	0.145	1.97	14.8	43	4.7	9.8	5410	23.9	4.38
V341793		10.90	0.185	2.62	5.4	59	5.1	6.4	1850	25.0	0.757
V341794		10.10	0.212	2.41	7.3	57	5.6	8.7	>10000	22.8	1.790



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150509

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
BAG-01 BAG-06 CRU-32 CRU-QC
LOG-21d LOG-22 LOG-23 PUL-35a
PUL-35ad PUL-QC SPL-21 SPL-21d
WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag-OG62 Au-AA24 Au-GRA22 Cu-OG62
ME-MS61 ME-OG62 Pb-OG62 Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

CERTIFICATE WH17150511

Project: Klaza

P.O. No.: 17-056

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

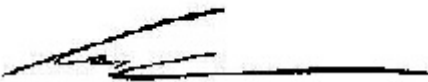
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150511

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V341177		7.88		0.45	7.26	69.8	2510	1.30	0.19	1.59	8.41	52.1	7.2	9	18.30	19.5
V341178		3.10		5.05	6.55	180.0	980	1.55	1.02	1.97	27.5	50.6	6.1	8	18.70	34.3
V341179		0.34		9.36	6.68	1835	550	1.50	5.88	1.85	41.1	47.1	16.5	22	17.30	107.0
V341180		9.61		0.54	7.20	139.0	2810	1.72	0.22	1.96	9.52	46.9	8.1	8	18.25	10.5
V341181		4.27		19.60	6.21	1775	670	1.43	17.75	1.54	55.5	45.1	9.4	7	17.60	294
V341182		6.09		0.04	0.07	2.3	70	<0.05	0.03	20.1	0.19	1.28	0.6	<1	0.18	2.8
V341183		14.16		0.28	7.16	18.7	2030	1.43	0.17	2.55	2.06	46.6	5.6	10	14.85	6.3
V341184		9.62		0.51	7.22	9.5	2140	1.42	0.16	2.59	3.53	46.4	6.4	14	14.85	10.6
V341185		4.13		0.24	7.21	10.1	2150	1.47	0.12	2.56	1.99	48.1	6.4	10	15.00	11.1
V341186		5.26		9.51	6.62	2480	540	1.34	5.24	1.58	91.4	49.8	7.8	8	17.90	151.5
V341187		7.51		2.23	6.47	740	940	1.29	0.94	2.23	4.80	52.2	32.3	7	12.65	37.9
V341188		10.34		13.55	6.99	2640	1170	1.53	1.70	2.01	20.2	53.9	6.6	9	16.05	96.0
V341189		2.61	1.235	8.93	6.20	1055	240	1.30	4.23	1.04	173.5	43.0	15.0	9	9.67	99.9
V341190		7.23		8.32	6.69	136.5	500	1.34	4.77	1.76	45.9	68.4	12.6	9	11.65	127.5
V341191		11.31		0.23	7.20	19.4	2180	1.56	0.52	2.24	0.69	68.7	8.3	9	11.55	6.7
V341192		13.41		0.31	6.70	31.6	2010	1.58	0.44	2.14	0.59	49.2	5.1	8	16.55	15.7
V341193		0.09		0.31	6.70	30.0	1990	1.61	0.44	2.12	0.50	48.7	5.1	9	16.35	12.9
V341194		5.95		3.80	7.30	156.5	430	1.61	3.21	1.35	15.00	50.4	10.3	8	15.25	86.6
V341195		4.03		9.61	6.80	224	410	1.97	8.53	2.01	24.6	59.8	13.0	17	17.80	226
V341196		5.46		17.20	5.55	498	450	1.30	17.80	1.62	42.1	34.9	8.5	7	17.10	219
V341197		7.76		1.10	7.28	112.0	1300	1.93	0.57	1.97	8.60	50.4	6.6	8	22.1	28.9
V341198		4.57		14.95	6.41	715	180	1.53	8.02	1.55	98.3	39.1	9.8	7	16.45	263
V341199		5.17	1.385	17.25	6.57	2310	470	1.62	11.35	0.69	187.5	50.2	15.3	8	12.80	242
V341200		5.56		0.80	6.96	51.3	1520	1.61	0.23	1.87	3.09	39.5	6.1	8	25.8	15.2
V341201		11.45		5.98	7.08	155.5	410	1.40	1.37	1.61	28.6	45.3	7.4	9	14.50	53.0
V341202		5.91		14.45	7.08	531	360	1.39	10.50	0.82	77.2	51.1	7.3	10	9.71	189.5
V341203		5.24		18.35	6.86	4930	270	1.59	14.85	1.06	51.4	53.1	7.4	9	11.70	673
V341204		4.11		1.04	6.94	72.0	1910	1.38	0.74	2.18	3.53	37.7	7.2	9	13.55	25.2
V341205		12.78		0.24	7.49	17.7	2270	1.51	0.48	2.67	0.94	48.7	7.4	11	10.35	15.0
V341206		14.48		0.68	7.23	20.3	2060	1.58	2.53	2.39	2.38	42.6	7.3	12	11.60	27.2
V341207		10.97		0.21	7.44	14.3	2170	1.60	0.42	2.71	0.25	43.6	6.7	10	13.05	24.2
V341208		1.47		1.87	6.27	197.0	1880	1.69	0.87	3.28	6.23	41.9	6.8	9	18.70	20.8
V341209		5.46		0.03	0.07	0.4	40	0.07	0.05	20.6	0.11	1.36	0.6	1	0.19	2.8
V341210		4.04		9.74	6.93	510	230	1.69	6.04	1.50	73.5	50.1	6.3	9	14.85	139.0
V341211		0.26		39.4	5.60	2550	90	1.30	36.5	1.62	45.3	36.3	15.2	24	10.70	1150
V341212		4.91		4.39	6.62	479	220	1.80	5.36	1.97	10.40	43.1	6.4	10	16.20	91.7



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150511

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
V341177		2.60	16.25	0.07	1.2	0.057	3.01	27.8	35.9	0.54	1020	2.42	0.09	8.3	2.1	580
V341178		3.37	14.30	0.07	1.0	0.178	3.20	29.0	23.7	0.62	1580	2.37	0.09	6.9	1.8	480
V341179		5.18	15.15	0.08	1.3	0.927	2.84	25.2	24.6	0.69	1970	12.40	0.26	7.8	15.6	490
V341180		3.01	16.25	0.07	1.1	0.055	3.06	24.6	26.6	0.59	649	2.61	0.54	8.1	2.3	550
V341181		4.04	14.05	0.07	0.9	1.245	2.65	24.4	25.9	0.63	1960	10.95	0.03	6.6	2.4	450
V341182		0.44	0.17	<0.05	<0.1	0.006	0.03	0.6	0.8	12.60	194	0.53	<0.01	0.2	0.6	190
V341183		2.87	15.35	0.07	1.1	0.051	2.78	23.6	12.7	0.73	804	1.62	1.90	8.1	2.2	560
V341184		2.89	15.75	0.06	1.3	0.066	2.94	23.4	12.6	0.72	673	1.19	1.92	8.4	2.2	570
V341185		2.96	16.50	0.07	1.3	0.047	2.89	24.4	13.1	0.71	679	1.24	1.91	8.7	2.3	580
V341186		4.36	15.05	0.07	1.1	1.365	2.92	27.0	14.4	0.63	2260	2.33	0.03	7.0	2.2	480
V341187		3.42	15.60	0.06	1.2	0.151	1.98	27.5	67.1	0.56	608	0.78	0.44	7.7	3.2	520
V341188		4.15	15.65	0.07	1.2	0.379	3.21	28.8	16.2	0.70	1760	2.13	0.29	7.6	2.3	540
V341189		5.52	14.15	0.07	1.1	1.665	2.81	21.4	21.2	0.58	1740	1.11	0.03	6.2	2.4	480
V341190		4.52	16.25	0.08	1.0	1.470	3.20	39.7	7.1	0.70	1860	1.95	0.04	5.6	2.3	480
V341191		2.51	16.60	0.08	1.2	0.088	3.35	38.0	19.3	0.82	1060	0.63	0.06	6.8	2.1	560
V341192		2.44	15.25	0.07	1.5	0.079	2.94	25.8	56.8	0.60	920	1.71	0.33	7.6	1.8	470
V341193		2.37	15.10	0.07	1.5	0.077	2.93	25.6	56.7	0.60	929	1.46	0.32	7.6	1.7	470
V341194		3.57	16.40	0.08	1.3	0.465	3.36	27.7	18.5	0.65	1700	1.08	0.03	6.1	2.4	570
V341195		3.61	17.50	0.07	3.1	0.990	1.70	30.8	130.5	0.75	930	2.71	0.03	9.5	5.7	950
V341196		6.33	12.35	0.07	1.2	1.955	2.10	17.6	39.5	0.54	3300	11.80	0.02	6.1	2.8	430
V341197		2.94	16.20	0.07	1.2	0.196	2.50	26.4	141.0	0.72	2010	0.96	0.03	8.2	2.1	570
V341198		5.37	13.95	0.06	1.1	2.23	2.75	19.0	40.4	0.61	3700	2.26	0.03	7.1	2.9	500
V341199		6.37	15.45	0.06	1.2	3.82	2.95	26.2	52.3	0.45	2740	2.63	0.03	7.2	2.9	520
V341200		2.97	15.90	0.06	1.2	0.108	2.90	19.7	59.0	0.67	1250	1.59	0.04	8.1	2.3	550
V341201		3.87	15.45	0.06	1.2	0.248	2.49	23.1	115.5	0.65	1240	2.07	0.03	7.9	2.2	550
V341202		5.81	14.60	0.06	1.1	0.991	3.22	27.1	20.2	0.64	1520	1.24	0.03	6.9	2.5	510
V341203		6.69	14.70	0.08	1.0	1.115	3.09	28.4	17.0	0.64	1360	1.92	0.04	6.8	2.2	510
V341204		3.34	15.90	0.07	1.2	0.103	3.05	18.8	32.7	0.68	1120	2.44	0.13	8.2	2.2	570
V341205		3.10	16.15	0.07	1.4	0.088	2.77	24.6	12.7	0.79	732	1.24	2.09	8.8	2.4	610
V341206		3.17	16.25	0.06	1.2	0.109	2.81	21.5	15.6	0.67	746	1.38	1.75	8.7	2.4	590
V341207		3.28	16.30	0.07	1.2	0.081	2.88	21.8	42.4	0.78	808	1.65	1.58	9.2	2.5	630
V341208		3.16	14.30	0.05	1.0	0.138	2.91	20.8	62.6	0.62	1600	6.10	0.21	7.5	2.3	530
V341209		0.45	0.20	0.05	<0.1	0.005	0.03	0.7	1.3	12.90	195	0.08	0.01	0.2	1.3	200
V341210		4.96	14.35	0.07	1.0	1.755	3.16	26.5	50.9	0.51	1210	14.75	0.24	7.1	2.2	510
V341211		9.12	12.35	0.07	0.8	1.585	2.56	18.4	18.2	0.66	2280	16.25	0.06	4.8	13.1	440
V341212		4.59	14.60	0.06	1.0	0.292	3.16	20.7	107.5	0.59	1920	1.61	0.06	7.9	2.0	540



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150511

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	0.01	0.005	0.1
V341177		60.2	131.0	<0.002	0.35	20.3	10.2	<1	2.8	91.5	0.69	<0.05	13.30	0.249	3.2
V341178		2870	168.0	<0.002	1.54	22.7	9.0	1	2.8	76.3	0.54	<0.05	12.40	0.210	4.3
V341179		1360	153.0	<0.002	3.11	35.3	8.6	1	6.0	150.5	0.63	0.27	11.80	0.209	5.2
V341180		137.0	123.0	<0.002	0.45	14.00	9.9	1	2.4	149.0	0.67	<0.05	13.05	0.249	3.2
V341181		3480	148.5	<0.002	2.32	97.8	9.0	1	3.4	128.0	0.53	0.06	11.70	0.198	6.4
V341182		8.1	1.2	<0.002	0.01	0.22	0.1	<1	<0.2	47.6	<0.05	<0.05	0.11	<0.005	0.6
V341183		79.3	101.0	<0.002	0.11	3.96	8.9	<1	1.7	324	0.68	<0.05	12.30	0.252	3.8
V341184		161.5	103.0	<0.002	0.10	3.20	9.1	<1	1.8	313	0.70	<0.05	12.20	0.258	3.8
V341185		90.2	105.0	<0.002	0.08	3.26	9.8	<1	1.8	314	0.72	<0.05	12.50	0.252	4.0
V341186		1995	162.0	<0.002	3.08	41.7	8.7	1	7.5	56.1	0.57	0.05	11.95	0.213	4.0
V341187		592	90.4	<0.002	2.05	31.6	9.1	1	2.5	132.0	0.67	0.21	11.65	0.218	3.3
V341188		2950	173.0	<0.002	2.15	36.3	10.0	<1	2.9	109.5	0.61	<0.05	14.00	0.227	4.2
V341189		1675	171.0	0.002	5.15	19.90	8.9	1	5.7	74.4	0.47	0.93	11.05	0.193	4.0
V341190		1535	193.0	<0.002	4.04	20.4	8.8	1	3.6	48.0	0.48	0.24	11.55	0.170	3.0
V341191		22.3	168.0	<0.002	1.24	3.76	10.5	1	2.2	102.5	0.57	0.21	14.25	0.206	4.3
V341192		36.5	123.0	<0.002	0.69	5.53	8.4	1	1.9	167.0	0.75	0.12	15.55	0.201	3.9
V341193		31.6	122.5	<0.002	0.68	5.38	8.6	1	1.9	164.5	0.74	0.11	15.70	0.204	3.8
V341194		510	215	<0.002	2.64	12.20	10.1	1	2.9	110.0	0.50	0.21	13.60	0.192	4.4
V341195		970	82.7	<0.002	1.93	46.0	7.4	1	3.2	506	0.65	0.19	9.11	0.287	4.7
V341196		1320	108.5	<0.002	5.55	80.5	7.1	1	6.2	172.0	0.48	0.29	8.60	0.185	4.0
V341197		263	109.0	<0.002	1.04	9.56	10.0	<1	3.4	225	0.66	<0.05	13.30	0.249	3.3
V341198		2500	147.0	<0.002	4.50	41.0	9.5	1	5.7	160.0	0.57	0.17	10.15	0.211	3.7
V341199		3110	188.5	<0.002	5.76	61.0	9.2	1	7.8	156.5	0.56	0.28	11.35	0.213	5.1
V341200		140.0	114.5	<0.002	0.72	11.45	9.9	1	2.4	157.5	0.69	<0.05	10.65	0.248	4.3
V341201		1915	122.0	<0.002	2.09	24.4	10.0	1	5.7	111.5	0.69	0.10	11.75	0.236	4.2
V341202		3210	170.0	<0.002	3.87	11.80	9.3	1	7.3	32.0	0.57	0.20	12.95	0.223	4.1
V341203		3310	181.5	<0.002	4.88	41.3	9.5	1	6.8	43.2	0.54	0.21	13.10	0.209	4.8
V341204		244	117.0	<0.002	0.90	10.70	9.6	1	3.1	117.0	0.66	0.08	10.25	0.253	3.8
V341205		45.2	105.0	<0.002	0.28	1.62	10.5	1	1.9	354	0.76	0.15	12.30	0.265	4.5
V341206		106.5	104.0	<0.002	0.59	4.34	9.8	1	3.2	295	0.73	0.29	11.45	0.258	4.2
V341207		22.8	108.5	<0.002	0.48	6.34	10.5	1	2.5	305	0.72	0.10	11.35	0.287	4.2
V341208		525	121.5	<0.002	1.42	27.2	9.4	1	3.0	152.0	0.60	0.20	10.10	0.235	5.9
V341209		3.0	1.3	<0.002	<0.01	0.12	0.2	<1	<0.2	47.3	<0.05	<0.05	0.10	<0.005	0.6
V341210		1555	167.5	<0.002	4.40	48.1	8.1	1	4.6	98.4	0.59	0.21	12.00	0.222	6.2
V341211		1645	133.5	0.003	7.77	106.5	7.0	1	11.4	60.3	0.41	0.76	9.01	0.162	5.8
V341212		329	144.5	<0.002	3.32	26.3	8.7	1	4.0	123.5	0.63	0.19	10.45	0.239	4.1



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17150511

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	Au-AA24 Au ppm 0.005
V341177		68	3.9	15.9	458	34.8	0.023
V341178		57	3.1	14.2	1520	28.7	0.124
V341179		58	5.2	11.3	2970	42.6	0.741
V341180		67	2.9	15.0	789	32.2	0.036
V341181		57	3.3	12.1	3600	26.0	2.71
V341182		1	0.1	0.8	26	0.5	<0.005
V341183		67	1.4	15.7	208	32.9	0.005
V341184		67	1.3	16.4	294	37.2	0.014
V341185		68	1.3	16.9	211	36.6	0.007
V341186		57	5.8	11.5	5570	30.6	0.651
V341187		61	2.7	14.2	416	33.3	0.444
V341188		63	3.5	14.3	1360	33.5	0.878
V341189		57	5.5	10.9	>10000	36.8	0.745
V341190		63	3.0	11.4	4470	30.6	0.533
V341191		62	1.5	13.4	103	37.1	0.007
V341192		55	1.7	13.3	81	43.0	0.009
V341193		55	1.7	13.0	75	43.3	0.008
V341194		60	3.7	12.8	1200	43.4	0.162
V341195		60	3.3	10.6	1880	129.0	0.397
V341196		49	4.7	9.2	4030	41.4	0.811
V341197		64	4.5	15.0	911	36.5	0.040
V341198		60	5.0	13.0	7960	33.2	0.629
V341199		59	5.5	12.3	>10000	39.9	1.430
V341200		68	7.0	13.6	301	31.2	0.014
V341201		65	4.6	12.8	2730	33.4	0.073
V341202		62	4.7	9.8	8150	27.1	0.650
V341203		59	4.1	11.0	5330	27.0	2.33
V341204		68	2.7	12.9	388	33.6	0.037
V341205		70	1.6	17.5	123	36.2	0.011
V341206		69	1.8	15.5	241	32.9	0.088
V341207		76	2.1	15.7	66	33.1	0.073
V341208		67	2.8	13.3	426	28.0	0.064
V341209		2	0.1	0.8	18	<0.5	<0.005
V341210		62	4.4	10.8	4860	26.3	1.940
V341211		55	7.6	8.6	3300	22.1	1.680
V341212		65	4.3	10.4	902	27.6	0.344



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 25-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17150511

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Zn-OG62
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

CERTIFICATE WH17153267

Project: Klaza

P.O. No.: 17-074

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153267

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588235		5.63	1.61	6.67	71.8	800	1.69	0.81	1.61	3.11	46.2	3.7	6	22.0	131.0	1.71
W588236		8.74	0.13	6.56	15.9	630	1.87	0.11	3.27	0.49	57.6	5.1	26	31.5	20.6	2.22
W588237		9.15	0.10	6.66	16.3	480	1.81	0.11	2.34	0.15	55.9	5.5	27	31.3	11.0	2.16
W588238		0.26	39.6	5.69	2550	310	1.12	36.8	1.62	44.2	36.9	16.3	22	10.10	1215	9.04
W588239		3.94	5.36	6.38	8090	480	1.90	0.89	2.45	33.9	41.3	10.7	31	21.0	29.7	3.71
W588240		9.70	0.17	6.74	43.4	530	2.05	0.20	2.47	0.25	60.0	6.3	22	26.5	20.5	2.34
W588241		7.43	0.94	7.29	68.3	580	2.23	0.98	1.92	1.61	58.4	10.4	18	35.5	33.7	2.14
W588242		8.96	0.12	7.17	8.1	1770	1.42	0.40	2.98	0.09	42.4	7.4	12	15.30	14.4	3.11
W588243		7.47	0.33	7.24	55.2	1790	1.59	0.29	3.08	0.12	47.2	7.7	10	14.50	89.9	3.19
W588244		4.23	0.38	7.16	10.7	1810	1.47	0.40	2.89	0.12	43.4	7.9	9	13.55	111.0	3.24
W588245		3.09	1.76	6.73	750	1120	1.37	1.60	3.42	1.96	43.7	7.6	9	21.0	110.0	3.80
W588246		4.67	0.85	6.96	154.5	1880	1.45	0.72	2.97	0.31	41.2	7.5	11	12.70	114.5	3.41
W588247		6.36	1.47	7.01	289	1540	1.21	1.12	2.69	4.18	51.6	8.4	10	14.65	87.9	4.39
W588248		4.17	0.30	7.31	23.5	2000	1.56	0.26	2.61	0.21	48.1	7.8	10	9.96	88.2	3.18
W588249		10.40	0.16	7.53	4.6	2210	1.50	0.15	2.74	0.12	49.0	7.1	11	9.71	48.0	3.01
W588250		5.25	0.38	6.72	30.0	1680	1.42	0.44	3.96	0.28	44.2	7.2	9	16.40	118.0	3.64
W588251		0.26	4.18	6.98	760	470	1.41	3.21	2.17	10.65	49.7	12.2	26	14.15	331	5.21
W588252		11.59	0.32	7.63	20.6	2090	1.44	0.23	2.74	0.16	49.0	7.7	11	10.35	114.5	3.07
W588253		3.39	9.15	5.90	909	1170	1.24	6.78	5.04	31.9	43.0	10.7	6	14.55	520	4.29
W588254		6.14	0.03	0.07	2.5	40	0.12	0.04	21.2	0.12	1.19	0.6	1	0.20	3.1	0.48
W588255		8.38	0.15	8.13	7.2	2050	1.24	0.44	1.94	0.15	66.1	7.1	9	15.10	17.0	3.14
W588256		11.12	0.25	7.42	12.3	1600	1.50	0.50	2.26	0.10	43.6	7.5	10	10.45	33.1	3.57
W588257		5.04	0.66	6.66	19.4	1320	1.61	1.57	3.81	0.16	43.0	10.1	7	22.1	41.0	3.26
W588258		<0.02	0.63	6.70	18.4	1320	1.51	1.56	3.83	0.15	44.1	10.1	8	21.5	41.2	3.25
W588259		7.49	0.81	7.47	20.9	1310	1.52	1.07	2.65	0.58	47.0	8.4	11	15.55	85.4	4.42
W588260		11.59	0.57	7.22	18.4	1320	1.58	0.44	3.51	0.15	46.1	7.3	9	15.65	103.0	3.43
W588261		5.94	0.66	6.87	89.7	3110	1.60	0.29	3.90	0.30	40.5	8.6	9	14.50	103.5	3.43
W588262		3.17	1.41	6.93	317	1090	1.60	0.25	4.56	4.43	49.9	7.8	8	15.05	30.6	4.65
W588263		6.07	0.02	0.09	1.9	40	0.09	0.03	21.5	0.08	1.35	0.7	<1	0.45	2.7	0.51
W588264		4.19	0.24	7.18	14.9	1280	1.36	0.13	2.98	0.13	38.3	9.0	8	23.2	31.7	3.36
W588265		9.07	0.54	7.19	19.1	1410	1.60	0.29	2.59	0.17	39.0	8.0	10	15.85	264	3.19
W588266		5.29	2.23	7.06	260	910	1.65	0.30	2.96	0.66	41.0	8.7	9	22.1	288	3.10
W588267		2.99	0.62	7.50	42.0	1890	1.45	0.24	2.45	0.22	35.5	6.8	10	13.85	190.5	3.08
W588268		4.14	3.45	6.19	3080	860	1.47	0.47	4.81	1.68	43.5	6.2	7	12.80	53.5	3.77
W588269		3.52	2.27	6.63	314	730	1.43	1.52	4.32	2.38	48.5	5.1	8	14.45	225	4.59
W588270		3.58	34.7	6.51	146.0	840	1.57	2.07	4.74	4.85	40.6	7.0	8	19.40	95.2	3.78



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
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CERTIFICATE OF ANALYSIS WH17153267

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588235		14.05	0.13	2.1	0.068	2.61	25.0	39.4	0.62	1420	2.70	0.04	8.4	2.6	500
W588236		16.90	0.16	3.3	0.031	2.49	30.1	47.9	1.10	1000	0.47	0.07	9.5	12.7	890
W588237		17.25	0.15	3.4	0.032	2.47	28.5	38.4	0.91	783	0.47	0.06	9.5	12.7	910
W588238		13.65	0.13	0.8	1.515	2.57	19.3	14.8	0.66	2300	16.05	0.06	4.5	14.6	460
W588239		15.10	0.14	2.4	0.188	2.63	22.6	18.4	0.91	7020	12.45	0.04	8.3	14.8	860
W588240		17.95	0.17	4.9	0.035	2.40	30.6	32.8	0.77	768	1.12	0.05	11.4	12.0	1260
W588241		18.30	0.17	3.9	0.059	2.81	31.0	32.7	0.75	1030	6.60	0.06	10.3	11.2	1010
W588242		15.00	0.18	1.4	0.048	2.64	22.0	12.7	0.83	772	1.33	1.71	6.9	2.6	630
W588243		15.90	0.18	1.3	0.050	2.62	24.5	13.5	0.83	795	6.43	1.77	7.4	2.7	680
W588244		15.70	0.17	1.3	0.057	2.65	22.2	14.6	0.78	760	5.40	1.67	7.3	2.6	660
W588245		14.50	0.15	1.2	0.101	2.76	23.4	28.6	1.03	1780	9.54	0.15	6.6	2.4	590
W588246		15.80	0.16	1.2	0.063	2.77	20.6	14.4	0.73	987	8.54	1.64	7.2	2.6	630
W588247		15.25	0.18	1.2	0.101	2.63	28.4	36.3	0.90	2100	2.21	0.72	7.3	2.5	620
W588248		16.00	0.18	1.5	0.040	2.67	25.4	13.3	0.80	633	1.37	1.90	8.0	2.7	610
W588249		15.75	0.18	1.6	0.034	2.80	26.0	11.0	0.81	610	0.86	2.17	7.8	2.3	600
W588250		15.05	0.17	1.4	0.066	2.55	23.6	25.5	1.09	1040	2.58	1.19	7.4	2.6	570
W588251		15.40	0.17	1.0	0.305	3.00	28.6	24.1	0.81	2030	14.00	0.15	5.9	15.1	580
W588252		16.10	0.18	1.5	0.037	2.70	26.7	17.5	0.83	602	2.25	2.05	8.0	2.6	600
W588253		12.15	0.18	1.0	0.688	2.20	24.8	49.7	1.06	2770	1.64	0.06	5.7	2.3	450
W588254		0.24	0.16	<0.1	0.005	0.02	0.6	1.1	12.85	204	0.05	0.01	0.2	1.5	190
W588255		17.10	0.16	1.7	0.044	2.65	36.1	83.9	0.64	636	4.09	0.51	8.0	2.5	730
W588256		15.35	0.16	1.2	0.060	1.89	22.4	82.6	0.94	1050	3.17	0.04	7.4	2.6	660
W588257		15.20	0.18	1.1	0.075	2.48	24.0	32.1	1.13	1260	7.92	0.16	6.2	2.3	560
W588258		15.25	0.17	1.2	0.075	2.49	24.5	31.4	1.13	1260	7.13	0.16	6.2	2.4	550
W588259		15.35	0.16	1.3	0.131	3.10	24.0	28.6	0.95	1870	3.87	0.38	7.4	2.8	730
W588260		15.65	0.19	1.3	0.063	2.84	23.6	23.6	0.88	1240	2.88	0.70	7.2	2.6	680
W588261		15.15	0.16	1.2	0.047	3.00	20.8	21.7	1.16	2380	1.72	0.21	7.1	2.6	650
W588262		14.40	0.16	1.0	0.102	3.04	27.7	21.2	1.47	7800	2.34	0.05	6.2	2.6	640
W588263		0.30	0.15	<0.1	0.006	0.04	0.7	1.5	13.00	227	0.07	0.01	0.2	1.6	210
W588264		15.75	0.16	1.1	0.040	2.62	19.0	32.1	0.98	1100	4.47	0.43	7.2	2.9	720
W588265		15.35	0.17	1.2	0.046	2.63	19.6	24.8	0.77	828	8.56	0.87	7.4	2.5	670
W588266		14.85	0.20	1.0	0.051	2.92	22.2	24.9	1.03	1940	4.21	0.05	6.4	2.4	570
W588267		15.85	0.17	1.2	0.048	2.74	17.3	45.9	0.75	840	3.80	0.57	7.7	2.5	640
W588268		12.60	0.17	0.8	0.074	2.43	23.5	24.2	1.33	10150	1.09	0.04	5.7	2.4	530
W588269		14.55	0.16	0.8	0.176	3.04	21.4	9.4	1.18	4170	0.51	0.03	6.7	2.2	570
W588270		13.45	0.16	0.9	0.220	2.80	20.2	20.2	1.30	4120	0.84	0.04	6.2	2.4	540



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153267

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W588235		116.0	<0.002	0.16	28.3	3.9	1	2.1	187.5	0.67	<0.05	15.25	0.151	2.47	4.6	32
W588236		85.2	<0.002	0.02	15.00	5.1	<1	1.5	439	0.66	<0.05	9.58	0.251	1.86	3.8	50
W588237		84.2	<0.002	0.05	11.00	5.1	<1	1.4	343	0.70	<0.05	9.53	0.252	1.87	4.1	47
W588238		142.5	<0.002	7.80	103.5	7.7	1	10.0	64.5	0.37	0.73	8.78	0.161	2.12	5.1	55
W588239		141.5	<0.002	1.95	35.8	8.9	<1	2.2	214	0.59	0.15	7.95	0.243	3.04	6.9	72
W588240		81.1	<0.002	0.07	11.55	5.2	1	1.6	430	0.76	<0.05	9.44	0.310	1.97	6.1	56
W588241		120.5	0.002	0.25	17.65	7.3	1	2.8	300	0.72	0.05	10.65	0.304	2.47	11.8	66
W588242		114.0	<0.002	0.03	3.42	10.8	1	1.8	363	0.57	0.06	11.15	0.264	1.48	3.9	78
W588243		111.5	<0.002	0.04	4.54	11.7	1	2.3	385	0.60	<0.05	11.45	0.277	1.31	4.1	85
W588244		106.0	<0.002	0.05	3.86	11.2	1	2.3	371	0.59	<0.05	10.75	0.274	1.37	3.2	82
W588245		132.0	<0.002	0.75	15.30	9.8	1	2.4	258	0.54	0.06	11.25	0.243	1.89	4.0	71
W588246		111.5	<0.002	0.17	3.88	11.1	1	2.1	355	0.59	0.05	11.00	0.268	1.51	3.8	80
W588247		132.0	<0.002	0.95	7.99	11.2	1	2.6	235	0.58	<0.05	11.55	0.259	1.77	3.7	75
W588248		109.0	<0.002	0.13	4.80	10.7	1	2.0	358	0.68	<0.05	14.55	0.254	1.15	4.7	74
W588249		111.0	<0.002	0.05	1.66	10.2	1	1.7	393	0.69	<0.05	14.20	0.255	1.13	4.6	73
W588250		103.0	<0.002	0.16	9.77	9.8	1	2.2	325	0.64	<0.05	12.30	0.241	1.53	4.7	71
W588251		164.5	0.003	2.82	26.3	9.2	1	5.3	112.5	0.46	0.32	11.45	0.210	2.42	5.2	69
W588252		109.5	<0.002	0.17	1.83	10.5	1	1.8	388	0.69	<0.05	14.95	0.257	1.17	5.0	73
W588253		121.5	<0.002	1.53	45.5	8.1	1	2.4	210	0.49	0.06	11.95	0.196	1.74	4.1	58
W588254		1.3	<0.002	<0.01	0.16	0.2	1	<0.2	48.9	<0.05	<0.05	0.13	<0.005	<0.02	0.7	2
W588255		94.5	<0.002	0.04	6.19	11.7	1	1.9	205	0.60	<0.05	14.95	0.299	1.21	2.8	88
W588256		84.4	<0.002	0.20	9.11	11.5	1	2.1	183.5	0.61	<0.05	12.95	0.274	1.19	3.6	79
W588257		142.5	<0.002	0.41	7.19	9.9	1	2.1	264	0.54	0.07	11.50	0.226	1.62	4.6	75
W588258		145.0	<0.002	0.39	7.04	9.9	1	2.1	265	0.54	0.07	12.30	0.224	1.60	4.8	75
W588259		143.5	<0.002	0.34	5.32	11.8	1	2.3	169.0	0.60	<0.05	11.20	0.293	2.09	4.2	92
W588260		130.0	<0.002	0.29	10.40	11.3	1	2.1	191.0	0.56	<0.05	11.20	0.276	1.67	3.5	84
W588261		133.5	<0.002	0.43	10.80	10.7	1	1.6	187.0	0.56	<0.05	10.85	0.263	1.96	3.7	77
W588262		172.0	<0.002	1.17	8.30	11.2	1	1.9	176.0	0.45	<0.05	10.20	0.266	2.57	3.7	83
W588263		2.9	<0.002	0.01	0.12	0.2	1	<0.2	49.4	<0.05	<0.05	0.16	<0.005	0.03	0.9	3
W588264		96.8	<0.002	0.18	7.10	12.0	1	1.8	233	0.54	<0.05	8.83	0.311	1.69	4.1	94
W588265		108.0	0.002	0.25	14.85	11.0	1	1.8	209	0.58	<0.05	11.05	0.273	1.46	3.4	82
W588266		168.0	<0.002	1.07	44.3	9.7	1	1.6	165.0	0.50	0.05	11.45	0.237	2.30	3.7	74
W588267		101.5	0.002	0.14	23.4	10.3	1	1.9	242	0.65	0.05	11.15	0.271	1.28	4.7	79
W588268		142.5	<0.002	1.19	42.6	9.0	1	3.2	97.9	0.46	0.05	10.55	0.218	1.70	3.9	62
W588269		189.5	<0.002	0.83	38.8	10.4	1	8.6	95.6	0.53	0.07	10.75	0.231	2.45	3.4	81
W588270		153.0	<0.002	1.52	42.1	9.5	1	5.9	173.0	0.50	0.07	11.10	0.229	2.47	3.9	76



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153267

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588235		2.8	10.7	299	74.9	0.030
W588236		3.7	10.7	103	131.5	<0.005
W588237		3.5	10.5	67	135.5	<0.005
W588238		6.5	9.3	3390	22.9	1.730
W588239		3.7	11.1	3180	93.3	2.09
W588240		2.1	11.5	88	208	<0.005
W588241		3.2	13.7	164	158.5	0.021
W588242		1.5	15.4	54	42.1	0.005
W588243		1.5	16.7	56	39.2	<0.005
W588244		1.6	14.6	56	39.3	0.007
W588245		2.5	15.0	240	37.5	0.111
W588246		1.5	15.0	78	34.3	0.036
W588247		3.5	14.1	501	39.5	0.056
W588248		1.4	16.1	55	48.1	<0.005
W588249		0.9	16.1	47	49.9	<0.005
W588250		2.5	16.1	76	44.7	0.005
W588251		4.9	12.1	927	30.1	0.346
W588252		1.0	16.4	47	48.0	<0.005
W588253		3.9	15.7	2980	34.2	0.825
W588254		0.1	0.8	21	<0.5	<0.005
W588255		6.5	16.4	58	56.6	<0.005
W588256		4.3	14.5	60	35.1	<0.005
W588257		3.5	13.3	55	32.6	0.007
W588258		3.5	13.2	53	33.7	0.005
W588259		4.0	17.9	130	39.7	0.008
W588260		3.3	14.0	60	40.5	<0.005
W588261		2.8	14.5	72	37.1	<0.005
W588262		4.8	18.4	521	30.6	0.017
W588263		0.1	0.8	19	0.5	<0.005
W588264		3.1	14.0	63	33.7	<0.005
W588265		3.8	13.5	63	36.1	0.012
W588266		3.6	14.7	82	32.2	0.015
W588267		6.2	13.9	64	37.2	<0.005
W588268		2.7	15.7	210	21.2	0.067
W588269		4.2	16.5	231	21.6	0.013
W588270		6.1	25.9	462	25.6	0.052



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 31-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17153267

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

CERTIFICATE WH17153272

Project: Klaza

P.O. No.: 17-076

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153272

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V341429		2.99		6.10	6.98	2730	830	1.57	5.69	2.76	43.9	45.3	6.8	11	21.4	107.0
V341430		8.16		0.36	7.20	115.5	1710	1.67	0.26	2.86	0.47	47.1	7.2	10	22.3	25.1
V341431		4.35		3.69	6.87	1450	470	1.68	1.60	2.89	48.6	47.0	6.4	9	18.75	64.8
V341432		10.06		1.14	7.34	367	1470	1.74	0.14	2.85	6.86	51.2	7.4	11	23.3	38.9
V341433		2.69		2.22	4.79	2150	1390	1.33	0.15	7.97	10.75	36.2	4.9	6	20.0	45.3
V341434		0.26		11.55	6.63	1630	130	1.44	11.45	1.91	32.7	45.9	17.6	20	14.30	295
V341435		9.34		0.27	7.69	38.9	1520	1.86	0.17	2.38	0.50	54.4	7.0	9	34.5	23.8
V341436		3.20		1.18	7.83	426	1460	1.76	0.53	1.95	17.10	55.0	6.8	10	28.6	32.3
V341437		4.74		1.93	7.03	213	2620	1.53	0.63	3.89	8.52	47.5	7.3	9	20.7	137.0
V341438		5.88	1.060	30.0	5.60	2970	350	1.42	19.00	2.29	166.5	37.3	4.3	8	18.10	716
V341439		<0.02		28.2	5.67	2910	350	1.34	18.25	2.36	154.0	36.7	4.4	8	17.85	586
V341440		4.07		4.23	6.82	1355	1090	1.72	2.54	1.59	49.5	48.2	6.6	12	18.25	122.5
V341441		7.85		0.29	7.00	26.7	2350	1.60	0.16	3.66	1.32	47.3	7.4	8	17.45	26.3
V341442		7.82		0.86	7.16	16.8	2020	1.50	0.23	2.11	1.01	47.0	7.7	9	19.50	21.4
V341443		6.47		0.02	0.08	0.4	80	0.05	0.03	21.1	0.09	1.30	0.7	<1	0.25	3.5
V341444		7.43		0.39	7.06	16.5	1580	1.62	0.18	2.79	1.29	54.9	5.8	9	11.75	19.7
V341445		2.31		7.21	6.41	1320	690	1.63	9.09	1.95	139.5	52.6	7.1	7	31.9	128.5
V341446		4.25		0.43	6.80	28.7	1910	1.22	0.30	1.58	1.24	43.4	7.7	9	24.4	50.2
V341447		0.26		4.64	6.50	739	280	1.35	3.43	2.01	11.05	50.9	12.6	25	14.80	311
V341448		2.64		1.19	4.45	92.9	1960	1.29	0.41	3.87	12.40	34.9	5.6	7	17.45	32.4
V341449		7.04		0.22	7.01	17.9	1420	1.36	0.17	2.04	1.14	46.1	7.2	9	27.1	13.6
V341450		3.07		2.39	6.00	127.0	2120	1.54	1.37	4.73	19.50	47.8	5.7	8	18.20	50.5
V341451		3.29		2.35	7.28	289	1210	1.58	0.99	1.95	19.40	52.5	5.7	9	19.90	114.0
V341452		2.73		2.44	7.64	219	1170	1.60	1.06	2.45	16.85	56.4	5.5	9	25.6	160.0
V341453		6.30		0.78	7.26	104.0	1600	1.58	0.46	2.64	3.77	52.2	7.7	9	28.4	45.4
V341454		9.23		0.13	7.42	10.1	2320	1.71	0.15	2.55	0.23	55.1	8.1	10	19.15	20.5
V341455		5.36		0.86	7.23	155.5	1760	1.48	0.59	3.96	3.03	60.2	8.2	10	17.70	16.7
V341456		3.30		18.40	5.89	340	170	1.53	19.15	4.22	80.2	43.3	6.9	7	16.80	328
V341457		6.08		0.02	0.06	0.5	30	0.06	0.04	21.3	0.11	1.26	0.7	<1	0.19	2.5
V341458		3.83		0.22	7.05	30.9	1500	1.51	0.20	2.40	0.48	51.1	7.6	9	21.8	11.2
V341459		1.56		0.25	7.44	37.4	1850	1.85	0.20	2.60	0.24	64.7	13.1	9	22.1	18.0
V341460		2.12		2.29	6.45	981	2720	1.65	0.34	3.34	2.93	52.5	10.2	7	23.9	32.6
V341461		6.74		0.09	7.50	8.7	2280	1.56	0.12	2.67	0.12	51.5	10.4	10	14.60	12.6
V341462		7.01		0.47	7.29	14.7	2440	1.53	0.20	2.83	0.10	55.4	6.1	11	14.15	88.9
V341463		4.92		1.00	7.07	72.5	1380	1.52	0.48	2.65	0.40	59.6	9.5	9	17.50	69.3
V341464		3.12		3.34	6.43	78.7	360	1.16	1.58	1.56	1.31	24.4	13.5	10	5.98	174.0



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153272

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
V341429		4.16	14.15	0.15	1.0	0.511	3.09	25.5	23.3	0.80	2200	3.07	0.60	6.6	2.5	510
V341430		3.16	15.45	0.18	1.2	0.068	2.89	24.6	20.7	0.83	1230	1.15	1.06	7.6	2.5	580
V341431		4.46	14.50	0.14	1.0	0.708	3.06	25.4	11.9	0.88	4000	0.96	0.02	6.8	2.3	540
V341432		2.98	15.95	0.16	1.1	0.101	3.04	26.9	53.9	0.99	1390	1.67	0.03	7.9	2.5	590
V341433		3.60	9.54	0.12	0.7	0.087	1.55	20.4	93.2	2.82	2480	6.13	0.02	4.7	1.8	360
V341434		6.69	15.00	0.12	1.0	0.786	2.90	24.4	19.9	0.78	1880	9.00	0.13	6.3	12.5	550
V341435		2.91	16.90	0.15	1.3	0.051	2.39	28.8	150.5	0.92	841	1.44	0.03	8.4	2.1	640
V341436		3.48	17.70	0.15	1.3	0.218	3.20	28.8	20.3	0.83	1110	3.69	0.03	9.2	2.2	680
V341437		3.76	15.05	0.15	0.8	0.167	2.75	26.9	57.0	1.43	2040	0.98	0.03	6.9	2.4	540
V341438		6.59	13.40	0.13	0.7	4.21	2.37	20.4	14.5	1.07	6800	2.91	0.02	5.4	1.8	410
V341439		6.70	13.35	0.10	0.8	3.91	2.41	20.3	14.8	1.11	7100	2.67	0.02	5.4	1.8	420
V341440		5.30	16.60	0.13	1.0	0.925	2.84	26.6	30.5	0.84	2020	1.22	0.02	6.5	2.4	540
V341441		3.28	14.15	0.14	1.0	0.065	1.76	25.7	102.0	1.19	1160	1.35	0.02	7.2	2.3	560
V341442		3.33	16.15	0.11	1.2	0.051	2.17	22.3	210	0.72	994	1.24	0.05	8.3	3.5	640
V341443		0.48	0.23	0.12	<0.1	0.005	0.02	0.6	1.8	12.85	210	0.20	<0.01	0.1	2.1	160
V341444		3.25	14.80	0.10	1.2	0.065	1.06	28.1	247	1.01	1170	0.82	0.01	7.9	1.8	590
V341445		3.24	14.10	0.11	1.0	4.08	1.74	27.9	139.0	0.78	1150	1.30	0.02	6.9	2.1	510
V341446		2.67	15.20	0.12	1.0	0.087	1.53	21.1	164.5	0.55	745	2.66	0.02	7.7	2.2	610
V341447		5.02	14.95	0.10	1.1	0.310	2.91	27.7	25.8	0.76	1920	15.40	0.15	6.3	14.3	520
V341448		2.73	9.81	0.10	0.8	0.475	1.85	18.8	53.1	1.47	1400	1.71	0.02	4.8	2.1	320
V341449		2.88	15.75	0.13	1.2	0.054	2.61	22.6	131.5	0.60	669	1.16	0.08	8.2	2.1	610
V341450		4.17	13.30	0.11	0.9	0.306	2.62	25.5	19.1	1.64	1980	1.09	0.03	6.3	1.9	460
V341451		3.83	16.05	0.11	1.0	0.392	3.25	27.1	17.9	0.75	1850	1.50	0.03	7.8	2.5	600
V341452		3.72	16.35	0.13	1.0	0.349	3.36	29.9	19.2	0.81	1950	1.06	0.03	7.9	2.3	640
V341453		2.84	16.05	0.13	1.0	0.116	2.92	26.8	42.7	0.88	1040	1.35	0.05	8.0	2.6	590
V341454		3.45	16.65	0.14	1.2	0.045	2.80	27.9	20.6	0.85	542	1.88	1.49	8.5	2.6	660
V341455		3.83	15.55	0.11	1.0	0.103	3.21	32.7	32.3	1.50	1680	1.58	0.06	6.9	2.6	570
V341456		4.58	14.00	0.11	0.9	3.01	2.57	22.3	19.0	1.75	2540	1.83	0.03	6.2	2.1	470
V341457		0.48	0.20	0.11	<0.1	0.006	0.02	0.6	1.7	12.85	212	0.12	<0.01	0.1	1.6	190
V341458		3.18	15.95	0.13	1.2	0.053	3.08	25.6	80.6	0.74	1190	1.07	0.08	8.2	2.1	590
V341459		3.86	16.70	0.14	1.3	0.054	3.26	34.5	58.3	0.95	994	0.86	0.59	8.7	2.9	660
V341460		3.10	14.35	0.13	1.2	0.071	2.78	28.3	45.3	0.98	1760	1.00	0.03	7.0	2.6	500
V341461		3.26	16.50	0.15	1.2	0.041	2.77	26.5	19.9	0.86	560	1.31	1.97	8.2	2.4	630
V341462		3.06	16.30	0.14	1.2	0.075	3.16	28.8	12.7	0.70	579	0.91	1.49	8.0	2.1	610
V341463		3.02	15.50	0.14	1.0	0.100	3.26	33.7	22.3	0.98	1260	0.66	0.04	7.1	2.2	550
V341464		3.60	13.10	0.12	0.8	0.255	3.37	10.5	11.8	0.74	1420	2.11	0.04	6.1	2.0	520



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153272

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	0.01	0.005	0.1
V341429		769	157.5	<0.002	1.79	29.4	9.1	1	2.5	166.5	0.55	<0.05	11.90	0.220	4.6
V341430		27.5	128.5	<0.002	0.28	7.48	10.7	1	2.0	236	0.63	<0.05	12.20	0.252	4.4
V341431		1350	170.5	<0.002	2.03	18.30	9.6	1	3.2	132.5	0.57	<0.05	11.40	0.227	4.7
V341432		240	132.5	<0.002	0.65	11.35	10.5	1	2.6	140.0	0.66	<0.05	12.95	0.246	5.2
V341433		540	76.1	<0.002	0.95	20.6	6.4	1	3.4	272	0.38	<0.05	8.54	0.153	6.0
V341434		1330	161.0	<0.002	4.77	64.4	9.2	1	7.9	95.9	0.52	1.23	10.65	0.213	4.8
V341435		32.8	99.6	<0.002	0.33	12.45	11.2	1	2.5	177.0	0.70	<0.05	13.30	0.267	4.0
V341436		230	127.5	<0.002	0.66	10.75	11.7	1	4.2	190.5	0.82	<0.05	12.85	0.286	4.2
V341437		183.0	137.5	<0.002	0.94	24.2	9.6	1	4.4	176.5	0.56	<0.05	10.95	0.230	5.6
V341438		2520	129.5	<0.002	2.57	126.0	7.5	<1	6.5	61.6	0.43	<0.05	9.10	0.182	2.8
V341439		2680	129.0	<0.002	2.47	106.5	7.6	<1	6.6	62.3	0.44	<0.05	9.08	0.184	3.0
V341440		724	155.0	<0.002	1.33	23.1	9.5	<1	7.6	105.5	0.52	<0.05	11.75	0.222	5.2
V341441		62.2	77.8	<0.002	0.20	12.60	9.8	1	2.0	252	0.58	<0.05	12.60	0.241	4.3
V341442		167.5	89.0	<0.002	0.14	15.40	11.0	1	2.1	250	0.62	<0.05	13.45	0.263	3.3
V341443		2.6	1.3	<0.002	<0.01	0.13	0.2	1	<0.2	50.6	<0.05	<0.05	0.13	<0.005	0.8
V341444		96.6	55.8	<0.002	0.13	12.40	10.0	1	2.1	455	0.60	<0.05	14.50	0.241	2.7
V341445		505	101.5	<0.002	1.29	37.8	9.2	<1	2.4	178.5	0.52	<0.05	12.50	0.222	5.6
V341446		36.6	78.6	<0.002	0.29	45.3	9.7	<1	1.9	170.5	0.58	0.06	12.40	0.236	3.0
V341447		485	165.5	0.004	2.66	28.4	9.2	1	5.9	108.5	0.49	0.33	11.20	0.204	5.2
V341448		212	113.5	<0.002	0.49	42.9	5.8	<1	1.6	135.0	0.44	<0.05	9.71	0.137	3.9
V341449		39.7	104.0	<0.002	0.17	14.05	10.3	1	1.8	122.5	0.64	<0.05	14.20	0.249	3.9
V341450		751	152.0	<0.002	0.83	14.50	8.6	1	2.4	140.5	0.47	<0.05	10.95	0.197	4.0
V341451		567	186.0	<0.002	1.82	28.6	10.6	1	4.3	81.0	0.58	0.06	12.90	0.245	5.6
V341452		429	175.0	<0.002	1.42	38.5	10.9	1	3.4	97.2	0.61	0.06	14.45	0.259	5.3
V341453		137.0	138.0	<0.002	0.72	17.45	10.7	1	2.3	114.5	0.59	<0.05	13.50	0.250	5.5
V341454		20.8	127.0	<0.002	0.09	6.70	12.4	1	1.9	295	0.64	<0.05	14.75	0.272	4.5
V341455		129.5	153.0	<0.002	1.03	11.05	10.0	1	2.5	115.0	0.51	0.07	13.30	0.226	4.2
V341456		2030	137.5	<0.002	2.51	46.4	8.4	<1	4.4	135.0	0.48	0.08	9.99	0.196	3.5
V341457		2.5	1.2	<0.002	<0.01	0.11	0.2	1	<0.2	48.9	<0.05	<0.05	0.11	<0.005	0.8
V341458		34.3	127.5	<0.002	0.29	7.30	10.5	<1	2.5	146.0	0.63	<0.05	14.65	0.254	5.2
V341459		17.4	146.5	<0.002	0.30	9.50	11.9	1	1.7	188.0	0.67	<0.05	14.70	0.268	7.9
V341460		281	147.0	<0.002	1.09	21.3	9.4	<1	2.3	136.5	0.57	<0.05	12.65	0.219	5.4
V341461		19.0	118.5	<0.002	0.08	3.02	12.0	1	1.9	359	0.63	<0.05	13.85	0.272	4.8
V341462		17.3	137.5	<0.002	0.20	6.47	10.5	<1	2.0	286	0.63	<0.05	13.40	0.243	4.9
V341463		25.6	185.0	<0.002	1.42	17.80	10.1	<1	2.1	90.1	0.56	0.08	12.95	0.218	5.1
V341464		137.0	215	<0.002	2.56	49.7	7.8	1	3.1	32.7	0.49	0.19	12.85	0.188	3.1



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153272

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	Au-AA24 Au ppm 0.005
V341429		60	2.6	14.2	2970	28.2	1.280
V341430		71	2.7	16.4	77	32.6	0.018
V341431		62	4.0	12.8	3630	29.6	0.510
V341432		67	8.6	15.6	523	32.2	0.082
V341433		41	4.9	13.4	800	20.1	0.376
V341434		64	5.6	11.7	2480	29.6	0.913
V341435		74	4.1	17.0	69	37.0	0.013
V341436		77	5.0	16.0	1230	34.2	0.812
V341437		63	6.4	14.8	678	23.9	0.110
V341438		50	9.5	8.2	>10000	21.0	0.788
V341439		52	9.8	8.4	9450	21.4	0.874
V341440		62	7.9	12.0	3320	28.4	0.638
V341441		65	7.8	16.2	126	29.7	<0.005
V341442		72	4.7	14.7	115	33.0	<0.005
V341443		2	0.1	0.8	20	<0.5	<0.005
V341444		65	8.1	15.9	116	32.7	<0.005
V341445		62	5.7	13.9	8950	26.3	0.877
V341446		64	7.6	13.9	110	27.9	<0.005
V341447		64	5.5	11.9	893	32.6	0.414
V341448		40	3.4	10.4	825	21.6	0.060
V341449		67	4.0	13.7	113	32.5	<0.005
V341450		56	5.0	15.0	1360	24.3	0.050
V341451		67	4.4	13.0	1400	28.7	0.098
V341452		70	4.6	14.2	1260	27.4	0.061
V341453		68	4.2	17.6	284	28.5	0.030
V341454		78	2.6	18.1	53	32.8	<0.005
V341455		66	3.8	14.2	273	26.7	0.059
V341456		55	6.7	11.2	5360	25.4	0.261
V341457		2	0.1	0.8	21	<0.5	<0.005
V341458		69	3.9	15.8	66	32.4	<0.005
V341459		77	2.7	18.0	59	34.6	<0.005
V341460		61	3.5	16.3	271	31.1	0.297
V341461		80	3.0	18.3	44	32.9	<0.005
V341462		70	2.1	15.8	51	32.0	<0.005
V341463		67	2.4	13.3	69	26.9	0.013
V341464		54	3.5	8.2	114	20.0	0.009



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17153272

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

CERTIFICATE WH17153278

Project: Klaza

P.O. No.: 17-077

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17153278

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V341465		7.23	1.56	7.54	95.1	360	1.42	0.74	2.39	4.58	45.1	14.0	11	19.75	24.3	4.08
V341466		6.78	0.84	8.04	37.4	1140	1.63	1.21	2.19	1.39	58.4	11.0	12	16.05	22.6	3.55
V341467		6.05	1.07	7.46	56.0	1300	1.55	0.54	1.98	4.72	44.6	5.4	11	16.70	16.7	3.04
V341468		5.08	0.11	8.20	14.6	2190	1.74	0.13	2.70	0.24	53.0	7.0	10	15.65	10.5	3.58
V341469		6.36	0.46	7.65	58.3	1120	1.60	0.24	2.31	0.78	60.3	7.5	9	21.9	8.7	2.94
V341470		7.19	2.83	6.61	117.0	940	1.25	1.72	2.21	12.10	48.6	12.3	7	14.85	64.3	3.39
V341471		4.80	0.44	7.95	33.7	1650	1.76	0.46	1.33	2.05	71.2	6.7	17	20.1	9.7	2.77
V341472		0.26	4.51	6.92	788	320	1.44	3.93	2.14	10.90	47.4	13.1	26	14.50	335	5.34
V341473		11.45	0.18	7.47	17.9	2040	2.12	0.43	3.60	0.37	56.0	6.5	14	25.4	13.8	2.39
V341474		8.78	0.13	7.32	15.7	1220	1.97	0.35	3.57	0.42	54.9	5.7	13	23.2	7.2	2.46
V341475		4.08	0.03	7.69	15.3	1220	1.92	0.24	2.81	0.31	66.1	5.9	15	23.4	5.2	2.62
V341476		6.12	<0.01	0.08	0.9	60	<0.05	0.04	22.5	0.06	1.36	1.0	<1	0.27	5.3	0.49
V341477		4.39	3.32	8.24	103.5	730	2.05	1.62	1.48	33.7	52.8	7.2	9	24.1	48.7	4.34
V341478		4.56	3.33	7.61	121.5	550	1.88	1.25	1.39	21.8	54.3	8.6	7	21.7	30.3	3.94
V341479		3.87	1.86	7.10	86.9	1040	1.80	0.90	1.95	12.25	46.8	13.5	9	19.35	38.2	3.67
V341480		4.70	0.17	7.70	37.0	1790	1.68	0.16	1.92	0.32	77.2	8.3	23	25.5	14.0	3.15
V341481		3.49	0.26	6.35	28.0	1600	1.59	0.33	2.88	0.21	37.5	7.0	6	25.0	18.5	2.72
V341482		3.54	0.18	6.99	18.6	2170	1.58	0.23	2.52	0.38	39.7	8.7	9	18.65	16.4	2.88
V341483		6.02	0.88	7.06	52.6	1100	1.36	0.55	2.68	1.16	44.7	8.0	9	8.15	35.9	2.03
V341484		3.26	0.13	6.43	7.8	1970	1.37	0.16	2.71	0.38	31.1	6.7	8	12.90	12.2	2.73
V341485		3.02	2.30	6.72	337	770	1.53	0.51	1.88	10.55	49.3	8.5	10	17.80	32.5	3.55
V341486		<0.02	2.32	6.77	375	880	1.51	0.49	1.94	12.05	43.8	9.2	9	18.30	32.6	3.68
V341487		4.24	1.36	6.90	99.8	1670	1.60	0.37	2.30	5.98	49.7	7.4	7	19.55	25.8	3.20
V341488		5.84	0.51	6.75	56.1	1560	1.34	0.12	1.40	3.80	39.4	5.9	8	17.25	15.8	2.71
V341489		4.56	1.39	6.82	505	1550	1.46	0.15	1.57	4.99	39.3	6.5	8	18.65	20.8	2.95
V341490		3.95	1.67	8.23	11.5	2080	1.55	0.12	1.25	7.00	53.1	8.6	9	14.90	21.9	3.30
V341491		7.45	0.51	6.68	31.2	2110	1.32	0.10	1.64	3.86	28.3	6.9	9	15.35	22.3	2.65
V341492		6.63	4.88	6.77	1300	1490	1.60	2.04	2.38	35.1	51.7	7.0	8	22.9	90.6	3.00
V341493		5.50	0.03	0.08	2.5	100	0.08	0.03	20.6	0.14	1.29	0.7	1	0.22	2.6	0.48
V341494		8.53	0.46	7.87	52.1	1740	1.43	0.13	1.17	5.42	48.2	6.2	9	17.35	15.7	2.70
V341495		11.12	0.46	6.91	52.5	1350	1.39	0.15	1.41	1.23	47.7	6.1	8	24.4	20.1	2.79
V341496		9.28	0.22	6.57	17.1	1870	1.45	0.10	1.70	1.74	33.6	6.2	8	18.90	10.7	2.61
V341497		0.26	13.55	6.72	1560	360	1.44	11.80	1.86	31.5	46.5	17.6	19	14.40	272	6.56
V341498		4.61	2.39	7.36	1460	480	1.75	0.38	2.11	22.4	49.8	6.3	8	18.55	24.9	3.44
V341499		4.19	0.34	7.42	18.9	680	1.61	0.77	2.92	1.00	37.9	13.0	8	13.80	2.3	3.14
V341500		3.08	0.67	6.84	37.4	930	1.61	0.70	2.78	3.92	43.5	12.1	9	16.70	6.3	2.71



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153278

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
V341465		16.40	0.11	1.1	0.144	3.38	25.9	26.1	0.90	2010	5.63	0.04	7.6	2.6	600	318
V341466		17.05	0.15	1.1	0.110	3.24	36.2	94.9	0.84	1420	1.15	0.03	8.0	2.6	660	123.0
V341467		16.80	0.17	1.3	0.098	3.52	24.1	71.0	0.63	1760	1.21	0.07	8.4	2.3	680	351
V341468		17.15	0.19	1.3	0.048	3.27	30.4	26.7	0.89	828	2.21	1.48	8.8	2.5	690	35.2
V341469		16.40	0.21	1.3	0.104	3.55	37.1	42.3	0.78	2160	1.28	0.06	8.4	2.5	660	132.5
V341470		14.85	0.15	0.9	0.180	3.13	30.6	17.8	0.83	2150	1.54	0.03	6.1	2.2	540	514
V341471		20.0	0.18	4.2	0.070	2.52	41.7	89.7	0.80	587	1.39	0.03	11.0	5.7	1180	67.0
V341472		16.15	0.11	1.2	0.312	3.08	29.0	25.5	0.81	2060	14.45	0.16	6.6	15.6	560	516
V341473		20.8	0.23	3.0	0.034	2.76	30.7	60.2	0.80	507	1.84	0.07	11.5	5.0	980	29.7
V341474		20.6	0.23	3.2	0.031	2.75	29.8	43.0	0.78	487	2.19	0.28	11.3	5.0	980	22.0
V341475		20.4	0.23	4.2	0.031	2.77	37.6	60.5	0.82	545	1.89	0.05	11.3	5.3	1120	17.3
V341476		0.45	0.28	<0.1	0.006	0.03	0.7	1.3	13.55	214	0.08	<0.01	0.2	1.7	180	1.3
V341477		17.40	0.21	1.2	0.312	2.76	30.9	170.5	0.77	1180	1.76	0.04	8.5	2.8	680	1325
V341478		16.00	0.09	1.0	0.365	3.14	30.0	24.0	0.69	2130	1.51	0.03	7.7	4.6	590	1220
V341479		16.35	0.07	1.0	0.235	2.50	23.6	96.1	0.70	1530	1.41	0.03	8.0	3.1	620	553
V341480		18.75	0.09	4.3	0.038	2.65	41.5	128.5	1.02	714	0.62	0.04	11.6	8.6	1360	31.3
V341481		14.90	0.07	1.1	0.047	2.90	18.3	178.5	0.64	1110	0.68	0.06	7.6	2.3	550	17.8
V341482		15.90	0.07	1.4	0.036	2.97	20.1	46.7	0.63	782	1.07	1.32	8.4	2.4	580	29.9
V341483		15.10	0.08	1.2	0.055	2.41	23.2	11.7	0.42	831	2.47	1.08	7.1	2.9	560	75.5
V341484		15.75	0.07	1.2	0.053	2.60	14.6	28.4	0.49	577	1.21	0.18	8.1	2.3	580	21.6
V341485		14.40	0.09	1.2	0.152	2.82	26.8	52.0	0.57	1580	0.99	0.07	7.1	2.4	500	333
V341486		15.30	0.07	1.2	0.156	2.96	22.0	50.8	0.56	1690	1.19	0.06	7.6	2.6	520	354
V341487		15.60	0.08	1.2	0.093	2.72	26.1	28.5	0.83	2490	3.31	0.02	7.9	2.5	570	299
V341488		14.90	0.07	1.2	0.057	2.27	20.2	128.5	0.50	847	0.77	0.06	7.8	2.1	550	164.0
V341489		15.70	0.06	1.2	0.053	2.48	19.5	109.0	0.54	1110	1.01	0.05	7.9	2.3	570	267
V341490		15.55	0.09	1.4	0.085	2.89	28.2	54.9	0.57	947	0.82	0.09	9.1	2.8	640	515
V341491		14.85	0.06	1.4	0.069	2.52	13.5	39.8	0.38	706	0.73	0.08	8.4	2.7	550	175.0
V341492		14.55	0.08	1.1	1.275	2.53	28.6	74.7	0.83	1580	0.71	0.03	7.5	2.7	530	653
V341493		0.23	<0.05	<0.1	<0.005	0.03	0.6	1.1	12.65	198	0.07	<0.01	0.2	1.6	180	2.9
V341494		16.45	0.09	1.3	0.066	2.15	24.1	100.0	0.44	775	0.90	0.06	8.7	2.6	630	127.5
V341495		15.20	0.07	1.2	0.054	1.95	24.8	161.0	0.57	773	1.55	0.04	7.8	2.3	600	45.3
V341496		16.25	0.06	1.4	0.042	2.78	15.7	73.9	0.44	675	1.52	0.09	8.4	2.5	550	58.8
V341497		15.00	0.08	1.1	0.796	2.79	24.6	19.4	0.78	1780	8.86	0.12	6.6	12.6	530	1290
V341498		16.40	0.09	1.3	0.230	3.09	27.3	19.0	0.79	1500	2.90	0.03	7.8	2.6	540	677
V341499		17.10	0.08	1.4	0.049	3.04	18.6	33.4	1.18	834	4.03	0.05	7.4	2.5	680	20.4
V341500		16.30	0.08	1.2	0.059	3.12	20.9	44.8	0.74	955	0.41	0.06	8.4	2.6	600	171.5



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH17153278

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V341465		184.0	0.002	2.60	18.10	10.5	1	2.5	102.0	0.63	0.15	13.80	0.240	2.97	5.1	70
V341466		220	0.002	1.51	18.15	11.2	1	2.0	129.0	0.65	0.13	14.70	0.266	3.22	6.3	77
V341467		153.5	0.003	0.90	12.60	11.1	1	2.7	125.5	0.65	0.05	13.10	0.265	2.74	5.9	75
V341468		140.0	0.002	0.12	5.69	13.0	1	2.0	323	0.68	<0.05	13.95	0.298	1.96	4.5	88
V341469		184.0	0.002	0.88	12.35	10.7	<1	2.3	105.5	0.69	<0.05	14.85	0.261	2.96	6.8	70
V341470		191.0	0.002	1.82	20.7	10.0	1	2.4	65.6	0.48	0.14	11.35	0.212	2.86	4.1	62
V341471		101.5	0.002	0.29	20.5	6.1	<1	1.9	490	0.73	<0.05	10.95	0.330	1.23	4.3	58
V341472		171.0	0.004	2.83	29.8	9.6	1	5.8	113.0	0.53	0.36	12.30	0.217	2.64	5.5	70
V341473		96.0	<0.002	0.10	11.45	5.0	<1	2.1	473	0.81	<0.05	10.15	0.300	1.26	4.5	47
V341474		87.6	0.002	0.06	9.73	5.0	1	1.5	512	0.79	<0.05	9.86	0.299	1.12	4.3	46
V341475		102.5	0.003	0.05	15.95	5.7	<1	1.7	461	0.79	<0.05	11.00	0.320	1.24	4.2	53
V341476		1.5	<0.002	<0.01	0.12	0.2	1	<0.2	55.4	<0.05	<0.05	0.12	<0.005	<0.02	0.5	2
V341477		146.5	0.004	1.97	15.35	11.9	1	4.7	120.5	0.67	0.05	14.65	0.284	2.22	4.3	80
V341478		181.5	<0.002	2.40	10.75	10.4	1	4.3	122.5	0.61	0.15	14.00	0.234	2.68	5.4	66
V341479		119.5	<0.002	1.62	13.80	10.5	1	3.7	138.0	0.61	0.21	12.05	0.248	2.33	3.8	71
V341480		116.5	<0.002	0.14	19.15	6.9	1	1.6	445	0.70	<0.05	9.62	0.348	1.55	4.2	64
V341481		113.5	<0.002	0.39	9.28	8.8	1	2.2	203	0.66	0.08	9.72	0.219	2.14	3.4	61
V341482		116.5	<0.002	0.33	6.35	9.7	1	1.7	282	0.72	0.07	12.20	0.237	1.61	4.2	66
V341483		138.0	<0.002	0.19	7.54	9.6	1	0.7	88.1	0.61	0.09	12.05	0.216	1.71	2.3	58
V341484		81.1	<0.002	0.07	9.22	8.9	1	1.7	121.5	0.66	<0.05	8.59	0.243	1.32	2.8	69
V341485		151.0	<0.002	1.92	16.50	9.2	1	2.5	91.7	0.59	<0.05	11.80	0.206	2.47	4.7	58
V341486		141.5	<0.002	2.01	17.60	9.4	1	2.9	92.9	0.64	<0.05	11.50	0.220	2.65	4.5	61
V341487		133.0	<0.002	0.80	16.05	10.3	1	2.3	115.5	0.64	<0.05	13.70	0.227	2.42	4.4	63
V341488		93.5	<0.002	0.19	25.7	9.4	1	1.6	138.0	0.64	<0.05	11.55	0.227	1.51	3.3	61
V341489		102.5	<0.002	0.43	26.2	9.7	1	2.0	125.5	0.65	<0.05	11.05	0.227	1.77	3.3	62
V341490		127.5	<0.002	0.11	7.62	11.3	1	2.2	79.0	0.75	<0.05	16.00	0.262	1.57	2.9	63
V341491		91.2	<0.002	0.28	16.05	8.8	1	2.0	91.8	0.72	<0.05	9.28	0.230	1.40	2.5	58
V341492		128.5	<0.002	1.12	36.8	9.6	1	2.3	104.5	0.63	<0.05	13.60	0.216	2.27	5.3	58
V341493		1.3	<0.002	<0.01	0.18	0.2	<1	<0.2	48.5	<0.05	<0.05	0.12	<0.005	0.03	0.6	2
V341494		96.8	<0.002	0.20	23.9	10.9	1	1.8	89.2	0.71	<0.05	15.25	0.253	1.17	4.3	65
V341495		83.1	<0.002	0.20	39.1	10.2	1	1.6	144.5	0.63	<0.05	13.30	0.236	1.20	3.7	66
V341496		101.0	<0.002	0.11	16.30	9.4	1	1.8	131.5	0.73	<0.05	10.30	0.228	1.61	3.1	64
V341497		164.5	<0.002	4.55	65.0	9.4	2	7.8	96.2	0.53	2.25	11.00	0.202	2.39	5.2	63
V341498		175.5	<0.002	2.01	21.3	10.0	1	3.8	73.7	0.66	<0.05	13.00	0.222	2.65	5.7	60
V341499		169.0	<0.002	1.58	7.75	10.9	2	1.6	161.0	0.61	0.28	12.40	0.223	2.16	5.3	72
V341500		130.5	<0.002	1.24	9.84	10.2	1	2.6	97.7	0.70	0.22	10.55	0.254	2.41	4.9	73



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Page: 2 - D
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CERTIFICATE OF ANALYSIS WH17153278

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V341465		4.1	13.5	407	29.3	0.043
V341466		2.4	13.9	158	28.7	0.012
V341467		2.7	14.0	485	32.8	0.014
V341468		2.0	18.6	54	34.2	0.007
V341469		3.1	15.4	82	33.5	0.017
V341470		2.7	11.8	1000	24.5	0.038
V341471		2.7	10.5	287	161.5	0.006
V341472		5.9	12.4	930	31.7	0.362
V341473		1.9	9.2	130	102.0	<0.005
V341474		1.3	9.1	123	113.5	<0.005
V341475		1.6	10.6	104	156.5	<0.005
V341476		0.1	0.8	18	1.0	<0.005
V341477		3.8	14.8	3690	31.4	0.033
V341478		3.6	13.1	2110	28.4	0.053
V341479		3.1	12.7	1080	28.8	0.040
V341480		2.4	13.1	105	187.0	<0.005
V341481		2.7	12.2	54	31.7	<0.005
V341482		2.1	14.9	53	40.9	0.007
V341483		2.3	13.8	177	35.5	0.008
V341484		2.7	12.1	87	36.5	<0.005
V341485		3.1	13.7	914	34.1	0.250
V341486		3.5	12.8	1040	35.5	0.233
V341487		2.8	14.8	561	36.1	0.033
V341488		3.5	12.9	338	36.6	0.011
V341489		3.6	12.9	450	37.5	0.197
V341490		6.2	16.6	493	44.3	0.009
V341491		4.9	10.9	312	41.4	0.009
V341492		4.1	15.4	2210	33.5	0.374
V341493		0.1	0.8	22	0.5	<0.005
V341494		4.6	15.9	361	40.3	0.011
V341495		5.3	15.0	130	37.5	0.012
V341496		2.9	13.2	177	43.8	<0.005
V341497		5.9	12.0	2390	32.0	0.853
V341498		3.7	14.1	1530	39.6	0.313
V341499		1.7	15.8	169	42.5	0.009
V341500		1.7	13.6	327	33.0	0.018



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 1-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17153278

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	LOG-21	LOG-21d
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

CERTIFICATE WH17153282

Project: Klaza

P.O. No.: 17-068

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153282

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V341321		4.35	0.69	8.51	24.9	2280	1.61	0.41	2.42	9.85	59.1	6.3	11	14.55	17.1	4.38
V341322		13.45	0.96	7.33	20.4	1880	1.56	0.48	2.78	9.11	51.9	4.4	8	13.35	23.2	2.63
V341323		5.10	0.08	7.35	17.8	1320	1.42	0.09	1.88	0.19	43.1	5.4	8	25.7	3.6	2.40
V341324		2.12	0.07	7.06	18.1	1210	1.41	0.09	1.78	0.15	36.8	5.3	6	24.8	3.6	2.17
V341325		7.52	0.10	6.67	15.1	1200	1.32	0.10	1.64	0.31	40.4	5.6	8	24.9	8.3	2.70
V341326		7.01	1.63	6.65	28.9	3140	1.83	1.16	2.46	10.25	73.9	11.8	7	16.90	25.6	3.28
V341327		10.31	0.41	6.67	23.5	710	1.48	0.35	2.17	2.26	54.5	5.0	8	13.70	14.4	2.93
V341328		8.78	0.31	6.90	21.3	1710	1.71	0.12	2.23	0.89	45.0	5.4	8	20.9	4.4	2.88
V341329		0.26	9.97	6.46	1880	150	1.47	6.27	1.91	42.0	45.7	17.3	20	17.75	111.5	5.23
V341330		13.09	0.49	7.62	19.1	1890	1.57	0.22	3.06	1.18	58.9	4.9	10	15.90	7.8	3.06
V341331		10.40	0.11	7.61	12.9	2030	1.60	0.08	2.63	0.39	53.0	4.8	9	14.10	6.0	2.98
V341332		7.20	2.51	7.28	98.3	790	1.50	1.76	2.58	13.40	53.4	3.4	8	10.05	69.8	3.29
V341333		5.87	0.49	6.99	26.0	680	1.32	0.69	2.37	1.29	67.1	1.7	9	8.09	51.6	1.88
V341334		11.62	2.93	7.04	71.5	140	1.49	4.27	3.05	8.13	55.3	20.9	9	6.46	6.6	7.43
V341335		13.33	0.89	7.34	22.6	640	1.48	1.93	2.76	0.49	48.4	17.9	9	5.81	4.7	3.74
V341336		<0.02	0.88	7.18	23.5	640	1.54	1.94	2.79	0.49	44.8	18.7	10	5.66	4.8	3.83
V341337		11.67	5.79	6.64	2830	460	1.28	3.69	3.21	11.55	25.2	30.1	10	5.24	27.8	5.13
V341338		11.82	2.84	6.90	42.4	190	1.57	0.56	2.11	12.00	31.5	26.6	9	10.60	11.1	4.27
V341339		13.06	0.71	6.91	32.6	390	1.61	0.46	2.42	0.86	54.0	37.6	8	5.09	3.5	4.91
V341340		14.84	0.32	6.68	12.1	670	1.65	0.38	3.00	0.57	29.7	41.1	11	4.35	2.6	4.24
V341341		14.95	1.78	6.67	60.3	580	1.48	1.17	2.43	2.37	17.05	35.6	9	10.10	4.4	5.55
V341342		7.44	1.17	6.59	136.5	160	1.49	1.31	2.74	3.18	40.1	21.3	12	11.05	4.4	4.83
V341343		6.17	0.01	0.07	0.4	30	0.06	0.04	22.3	0.06	1.10	0.8	<1	0.14	1.6	0.49
V341344		13.29	0.11	7.35	9.9	2130	1.57	0.17	2.66	0.36	48.8	6.2	11	16.50	3.6	3.09
V341345		12.93	0.15	7.62	10.1	2040	1.70	0.14	2.57	1.25	52.8	5.7	11	13.15	3.6	3.11
V341346		6.46	2.66	6.78	74.0	560	1.65	1.73	3.53	32.4	57.5	24.4	11	13.15	29.9	4.09
V341347		0.26	11.80	6.83	1665	120	1.50	13.15	1.96	30.7	47.1	17.6	19	14.40	296	6.87
V341348		12.59	1.08	7.58	46.2	2220	1.65	0.92	2.44	14.20	55.0	6.1	10	16.95	14.8	3.90
V341349		7.97	5.41	7.02	81.1	1720	1.57	7.50	2.70	82.8	43.2	5.6	9	20.2	84.2	4.02
V341350		10.37	0.99	7.18	71.6	1870	1.72	1.16	2.84	7.85	46.1	5.5	11	23.5	18.2	3.32
V341351		8.37	0.97	7.08	199.5	2220	1.61	0.36	3.44	21.3	48.5	4.5	8	21.1	10.5	3.37
V341352		13.57	0.32	7.45	61.9	1980	1.74	0.21	2.29	0.90	49.7	4.6	9	17.50	20.6	3.30
V341353		13.02	0.08	7.72	10.0	2000	1.51	0.17	1.95	0.16	47.0	4.8	11	12.40	3.8	3.04
V341354		4.54	0.66	7.42	138.0	1290	1.64	0.78	1.86	2.00	65.8	7.8	11	14.75	25.8	2.82
V341355		4.18	0.45	7.74	21.8	2060	1.86	0.14	2.69	1.69	48.0	4.8	10	14.35	21.8	3.30
V341356		6.73	0.01	0.08	<0.2	30	0.08	0.04	22.9	0.07	1.34	0.9	<1	0.19	1.6	0.54



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153282

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V341321		17.50	0.15	1.1	0.846	3.80	31.1	20.6	0.87	1650	1.11	1.02	8.6	2.6	710
V341322		15.55	0.15	1.2	0.379	2.28	27.3	15.2	0.65	583	1.14	1.72	7.9	2.1	530
V341323		16.70	0.15	1.3	0.038	1.92	20.7	151.5	0.56	594	0.57	0.05	8.3	2.1	580
V341324		16.20	0.14	1.2	0.031	1.87	17.8	167.0	0.55	550	0.61	0.05	7.8	2.1	500
V341325		15.50	0.13	1.0	0.046	1.81	19.6	119.5	0.53	919	0.87	0.04	7.9	2.6	580
V341326		14.85	0.15	0.9	0.216	2.01	42.5	166.5	0.90	1090	0.49	0.05	6.6	2.5	500
V341327		15.20	0.14	1.0	0.078	1.62	27.4	148.0	0.71	868	0.49	0.06	7.4	2.4	560
V341328		16.10	0.14	1.2	0.065	1.25	21.7	408	0.67	876	0.52	0.03	8.2	2.4	610
V341329		15.00	0.12	1.4	0.947	2.86	22.9	26.4	0.70	2040	12.35	0.27	8.0	15.9	520
V341330		16.30	0.16	1.2	0.054	2.11	30.4	18.6	0.81	600	0.48	2.36	8.2	2.4	620
V341331		16.95	0.16	1.2	0.046	2.40	27.2	19.5	0.76	650	0.55	1.88	8.6	2.5	620
V341332		16.35	0.16	0.9	0.286	2.75	29.4	28.6	0.71	1900	1.06	0.52	7.6	2.1	620
V341333		16.75	0.17	0.9	0.218	2.43	36.8	21.8	0.79	670	0.27	0.09	7.3	1.6	580
V341334		13.70	0.14	0.7	0.142	2.78	29.7	12.7	0.98	1520	0.44	0.20	5.9	3.8	630
V341335		14.95	0.16	0.9	0.137	2.14	21.4	33.1	0.79	907	0.40	0.72	6.9	3.3	700
V341336		14.80	0.15	0.9	0.139	2.09	19.7	33.5	0.78	913	0.32	0.70	6.9	2.9	730
V341337		12.65	0.12	0.7	0.391	2.92	11.4	23.8	1.12	2400	8.60	0.08	5.0	2.4	550
V341338		13.05	0.12	0.8	0.438	2.90	15.7	38.6	0.75	2550	7.75	0.12	5.1	2.4	520
V341339		14.55	0.14	0.6	0.558	2.98	29.5	5.1	0.96	3540	3.65	0.10	4.3	5.6	520
V341340		14.30	0.14	0.7	0.398	2.91	15.0	14.3	1.04	1900	20.7	0.10	4.6	9.0	630
V341341		12.85	0.13	0.8	0.383	2.84	5.9	22.5	0.88	3400	5.96	0.10	4.7	3.0	540
V341342		13.90	0.15	0.9	0.178	2.47	19.9	23.1	0.79	1700	1.30	0.85	5.3	2.9	550
V341343		0.24	0.10	<0.1	<0.005	0.03	0.5	1.0	13.55	211	0.13	0.01	0.1	1.4	200
V341344		14.30	0.18	1.1	0.044	2.71	24.0	13.2	0.78	688	1.26	2.08	7.2	2.3	560
V341345		14.80	0.19	1.1	0.050	2.63	27.2	14.5	0.87	638	1.63	2.34	7.6	2.3	590
V341346		14.05	0.17	0.9	1.100	2.41	28.5	12.2	0.89	2130	0.65	1.54	6.9	3.2	560
V341347		14.05	0.15	1.0	0.804	2.97	23.3	19.2	0.80	1920	8.64	0.13	6.1	12.2	560
V341348		14.90	0.16	1.0	0.504	3.00	28.0	35.7	0.80	1190	1.07	1.73	7.4	2.4	590
V341349		14.40	0.16	1.0	3.01	3.13	21.0	65.9	0.79	1550	0.92	0.10	7.1	2.2	560
V341350		14.75	0.18	1.1	0.427	3.17	22.2	90.2	0.81	1200	0.93	0.23	7.6	2.3	590
V341351		13.55	0.17	1.1	0.394	2.72	25.7	68.7	1.13	1930	1.37	0.03	6.8	2.1	530
V341352		15.10	0.18	1.1	0.071	2.77	24.8	35.5	0.78	828	1.56	1.39	8.3	2.3	580
V341353		15.15	0.19	1.0	0.048	2.60	23.1	20.2	0.53	510	0.49	1.36	7.8	2.3	610
V341354		15.25	0.21	1.0	0.213	2.92	34.4	59.3	0.60	870	0.43	0.08	7.5	2.3	610
V341355		15.65	0.22	1.0	0.079	3.27	23.3	45.5	0.70	1060	1.10	1.42	8.0	2.4	630
V341356		0.32	0.15	<0.1	0.006	0.03	0.6	1.3	13.95	225	0.08	0.01	0.2	1.4	210



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153282

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V341321		181.5	<0.002	0.31	5.24	11.6	1	2.3	200	0.63	<0.05	14.40	0.288	2.29	4.8	81
V341322		106.0	<0.002	0.17	5.83	9.0	1	2.0	266	0.66	<0.05	14.60	0.220	1.09	5.2	58
V341323		72.6	<0.002	0.12	30.1	9.9	1	1.7	150.5	0.72	<0.05	13.50	0.239	1.12	3.7	62
V341324		66.1	<0.002	0.11	26.8	8.2	<1	1.6	138.0	0.69	<0.05	12.50	0.218	1.10	3.4	55
V341325		71.7	<0.002	0.10	28.4	10.1	1	2.3	110.5	0.61	<0.05	11.95	0.239	1.16	2.8	68
V341326		112.0	<0.002	0.72	21.8	9.6	1	2.7	111.0	0.51	0.29	13.15	0.205	1.54	6.3	72
V341327		73.5	<0.002	0.20	19.80	10.2	<1	2.9	120.5	0.57	0.06	13.20	0.234	1.27	5.5	68
V341328		55.1	<0.002	0.17	27.6	11.0	1	1.9	180.0	0.63	<0.05	12.60	0.255	1.08	2.8	70
V341329		162.5	<0.002	3.12	33.3	9.0	1	6.0	150.5	0.61	0.25	11.00	0.211	2.44	5.0	59
V341330		87.1	<0.002	0.16	5.33	10.9	1	2.1	359	0.63	0.06	14.25	0.261	0.92	4.7	72
V341331		104.0	<0.002	0.04	4.44	11.3	<1	2.3	292	0.66	<0.05	14.25	0.268	1.21	3.7	73
V341332		169.5	<0.002	0.98	15.00	11.9	<1	3.0	111.5	0.58	0.06	13.15	0.241	2.56	4.4	71
V341333		143.5	<0.002	0.36	8.81	10.6	<1	3.3	94.3	0.54	0.12	13.85	0.229	2.40	2.5	67
V341334		146.0	<0.002	6.80	3.99	6.9	2	2.6	99.1	0.48	2.01	11.70	0.204	2.30	3.6	45
V341335		104.5	<0.002	2.24	4.83	10.5	1	2.7	108.0	0.56	0.36	13.30	0.238	1.80	4.6	59
V341336		96.6	<0.002	2.30	4.94	10.4	1	2.7	106.0	0.56	0.36	12.60	0.238	1.79	4.5	59
V341337		169.5	<0.002	4.14	24.1	8.1	1	3.3	82.1	0.43	0.27	10.65	0.175	2.26	2.9	67
V341338		158.0	<0.002	2.98	7.45	8.6	1	5.4	104.5	0.41	0.14	11.45	0.186	2.60	2.8	56
V341339		179.5	0.004	2.56	2.90	8.3	1	4.1	75.1	0.38	0.12	13.15	0.158	2.45	3.0	85
V341340		176.0	0.026	2.06	1.66	8.9	1	3.5	68.1	0.39	0.14	11.30	0.173	2.20	2.8	92
V341341		170.5	<0.002	4.30	6.28	8.0	1	3.0	138.5	0.38	0.50	11.30	0.166	2.66	3.4	55
V341342		146.5	<0.002	3.44	7.49	9.2	1	2.5	273	0.41	0.40	12.20	0.187	1.97	4.6	62
V341343		1.2	<0.002	<0.01	<0.05	0.2	<1	<0.2	47.4	<0.05	<0.05	0.12	<0.005	0.02	0.6	2
V341344		102.0	<0.002	0.19	1.82	9.5	1	1.6	371	0.62	<0.05	13.20	0.242	1.16	4.2	65
V341345		100.5	<0.002	0.13	1.79	10.0	1	1.8	365	0.66	<0.05	14.85	0.251	1.08	4.6	68
V341346		121.5	<0.002	1.69	6.44	9.7	1	3.3	319	0.56	0.27	11.75	0.231	1.79	4.3	64
V341347		159.0	<0.002	4.89	66.5	9.2	2	7.6	96.4	0.50	1.10	12.50	0.218	2.43	4.8	65
V341348		126.0	<0.002	0.42	4.12	10.2	1	2.4	305	0.61	<0.05	14.55	0.244	1.66	4.4	68
V341349		131.0	<0.002	1.05	12.25	9.6	1	2.3	134.0	0.59	<0.05	13.00	0.236	2.16	4.6	65
V341350		129.0	<0.002	0.35	8.93	10.1	1	2.2	203	0.63	<0.05	13.50	0.246	2.19	4.1	67
V341351		127.0	<0.002	0.92	12.75	9.2	1	1.8	155.5	0.59	<0.05	13.60	0.230	2.37	4.5	65
V341352		116.5	<0.002	0.27	10.75	8.8	1	1.9	243	0.64	<0.05	16.05	0.246	1.67	4.1	64
V341353		92.3	<0.002	0.09	10.20	10.7	1	2.0	214	0.64	<0.05	13.90	0.267	1.07	3.7	72
V341354		117.5	<0.002	0.82	17.10	10.3	1	2.7	97.1	0.62	0.12	13.60	0.258	1.90	4.9	70
V341355		133.5	<0.002	0.16	9.91	10.9	1	2.1	294	0.63	<0.05	13.85	0.270	1.80	4.7	72
V341356		1.4	<0.002	<0.01	0.08	0.2	<1	<0.2	52.4	<0.05	<0.05	0.12	<0.005	0.02	0.7	2



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153282

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V341321		4.5	16.5	1140	31.8	0.007
V341322		1.8	15.3	639	32.1	0.077
V341323		4.6	14.8	49	34.3	<0.005
V341324		4.4	12.7	45	31.1	<0.005
V341325		3.9	12.7	67	28.8	<0.005
V341326		3.0	15.2	719	24.2	0.039
V341327		3.5	16.0	198	27.5	0.012
V341328		5.9	15.2	110	31.0	0.006
V341329		5.1	11.6	3150	42.4	0.760
V341330		1.8	18.1	118	31.4	0.011
V341331		2.8	16.3	66	31.7	<0.005
V341332		3.8	13.2	1030	24.3	0.063
V341333		2.0	11.2	155	22.9	0.012
V341334		1.6	15.7	577	19.8	0.029
V341335		1.3	13.3	75	25.3	0.017
V341336		1.3	12.8	73	24.6	0.019
V341337		1.7	8.5	900	21.4	1.105
V341338		1.5	8.4	1830	24.9	0.039
V341339		2.1	7.9	134	19.2	0.010
V341340		2.0	7.9	87	23.1	<0.005
V341341		1.5	6.6	238	23.8	0.074
V341342		1.7	10.9	306	28.4	0.074
V341343		0.1	0.7	16	<0.5	<0.005
V341344		1.4	16.9	66	32.4	<0.005
V341345		1.8	18.8	136	34.1	<0.005
V341346		1.7	15.8	2460	27.9	0.259
V341347		5.7	12.1	2510	30.7	0.923
V341348		2.4	16.1	1040	31.3	0.041
V341349		2.6	14.2	5330	31.8	0.457
V341350		2.9	15.7	580	36.5	0.047
V341351		3.6	15.0	1630	32.1	0.145
V341352		2.6	14.4	116	36.5	0.028
V341353		2.1	16.2	46	31.5	<0.005
V341354		1.7	14.4	235	29.7	0.055
V341355		1.7	16.3	183	30.1	<0.005
V341356		0.1	0.8	19	<0.5	<0.005



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17153282

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 4-SEP-2017
Account: ROCKHA

CERTIFICATE WH17153290

Project: Klaza

P.O. No.: 17-078

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 4-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153290

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR22 Au ppm	Ag-OG62 Ag ppm	Cu-OG62 Cu %	Pb-OG62 Pb %	Zn-OG62 Zn %	As-OG62 As %	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
		0.02	0.05	1	0.001	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02
V341795		7.82							4.92	6.47	323	550	1.50	4.51	2.85	20.7
V341796		3.23							5.07	4.85	1880	70	1.24	3.29	2.33	143.5
V341797		11.61							36.9	6.41	2010	150	1.33	54.1	1.32	75.9
V341798		4.16	12.15	231			1.250		>100	2.59	7020	40	0.68	311	3.07	192.0
V341799		1.93	12.15	277		3.27	4.03	1.040	>100	3.59	>10000	110	0.70	199.5	0.39	614
V341800		2.29							15.30	3.79	587	60	0.85	11.65	1.55	95.4
V341801		4.92							40.4	5.82	7150	170	1.28	3.22	0.30	11.90
V341802		2.18		345		5.74	1.125		>100	4.20	391	60	1.20	7.44	2.94	140.5
V341803		5.28							13.55	6.21	136.0	720	1.36	2.81	4.49	9.81
V341804		<0.02							12.75	6.04	129.5	680	1.38	2.85	4.50	8.53
V341805		1.70					3.60		68.1	4.04	7790	70	0.96	113.0	1.66	513
V341806		4.36		114			2.56		>100	3.68	2690	30	0.88	156.5	2.78	378
V341807		4.54							19.00	5.38	2660	160	1.21	26.0	2.00	50.8
V341808		0.14	13.90	133	2.91	2.55	16.05		>100	4.70	168.0	570	0.46	1.89	2.16	898
V341809		2.01		185			1.745		>100	2.46	1490	40	0.67	177.0	2.98	248
V341810		2.01		103			6.00		>100	3.64	1440	50	0.83	115.0	2.26	888
V341811		2.40	16.60	321			10.15		>100	1.22	4210	30	0.37	543	1.25	>1000
V341812		2.91					1.925		89.9	5.43	4080	300	1.16	108.0	0.98	286
V341813		4.46				1.220	1.505		44.3	6.51	766	300	1.67	2.05	2.50	144.5
V341814		6.85							0.26	0.06	5.4	30	0.07	0.21	20.3	0.86
V341815		2.59							67.7	3.79	2520	40	0.80	93.4	0.42	6.28
V341816		2.78							41.9	2.99	5790	50	0.59	53.8	0.40	68.5
V341817		1.82							7.32	5.59	180.0	90	1.16	0.60	1.77	8.70
V341818		0.27							42.5	5.89	2520	190	1.12	35.5	1.69	45.0
V341819		2.77	16.30				6.37	1.750	63.1	3.70	>10000	50	0.97	55.0	3.68	974
V341820		4.01							2.21	7.36	858	710	1.84	0.73	1.65	6.81
V341821		<0.02							2.21	6.76	908	1840	1.75	0.72	1.59	6.95
V341822		3.55							8.25	6.25	418	240	1.51	5.48	3.34	97.4
V341823		2.57					2.03		22.8	6.76	657	250	1.48	27.4	1.14	308
V341824		2.96							10.40	6.47	2440	170	1.39	6.25	0.29	16.30
V341825		5.95							0.11	0.12	5.3	30	0.07	0.10	20.4	0.47
V341826		1.99		138		1.520	3.99		>100	2.80	2380	90	0.83	85.1	1.18	466
V341827		2.60							8.36	6.37	1630	470	1.51	2.37	1.86	19.60
V341828		2.89					2.37		38.6	3.79	9880	50	1.18	4.00	4.65	273
V341829		2.25							10.40	6.03	653	80	1.44	5.42	0.51	74.0
V341830		3.17	22.9	601		13.20	29.8	1.695	>100	0.40	>10000	50	0.10	11.10	0.56	>1000



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 4-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153290

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
		Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
		0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01
V341795		45.9	9.7	8	21.5	377	4.16	13.75	0.08	0.9	0.797	2.59	25.1	23.7	1.05
V341796		26.1	17.7	6	23.3	164.0	4.40	11.15	0.07	0.7	2.74	1.76	11.6	27.4	0.79
V341797		42.7	5.3	8	15.05	1110	5.60	14.70	0.07	0.9	2.48	2.71	23.1	14.1	0.67
V341798		9.30	7.7	10	4.80	8750	11.20	7.59	0.05	0.3	8.14	1.13	3.6	15.7	1.02
V341799		17.75	10.6	8	7.73	1480	10.00	8.98	0.07	0.5	23.6	1.67	8.2	10.2	0.21
V341800		10.05	3.8	8	5.38	122.0	4.46	11.45	<0.05	0.2	0.323	1.69	2.1	16.8	0.73
V341801		34.8	13.4	13	11.60	129.5	4.87	13.45	0.06	0.4	0.154	2.63	18.8	9.2	0.27
V341802		27.7	10.1	11	17.90	278	5.14	9.85	0.05	1.1	1.005	1.50	11.0	75.2	1.00
V341803		39.5	10.4	13	17.20	114.5	3.76	12.65	0.07	0.7	0.165	2.25	21.9	68.0	1.67
V341804		38.9	10.0	13	17.20	104.5	3.70	12.45	0.06	0.7	0.157	2.22	21.0	66.4	1.67
V341805		25.1	9.3	7	7.43	910	8.01	9.42	0.06	0.5	24.8	1.80	12.0	12.1	0.63
V341806		13.95	4.2	8	7.74	1930	8.00	8.59	0.06	0.5	6.30	1.47	3.5	29.7	1.03
V341807		40.0	4.3	7	18.40	422	3.91	11.60	0.06	0.7	2.02	2.06	22.0	58.5	0.72
V341808		20.9	63.8	49	1.44	>10000	9.96	16.80	0.09	0.6	3.33	0.85	9.8	5.6	0.86
V341809		7.81	14.4	7	3.62	1800	10.10	5.79	0.05	0.3	7.64	1.09	1.8	29.8	0.69
V341810		16.90	5.0	7	7.03	2340	11.95	9.27	0.06	0.4	29.5	1.58	6.9	13.4	0.92
V341811		18.85	7.9	6	5.48	4210	15.10	3.45	0.08	0.1	58.8	0.46	8.9	28.8	0.40
V341812		35.3	7.0	10	8.49	739	9.86	12.20	0.07	0.6	13.60	2.47	19.1	10.3	0.55
V341813		47.3	8.1	7	48.5	205	4.22	18.85	0.06	1.3	2.99	2.47	26.2	24.5	0.88
V341814		1.09	0.6	1	0.22	3.4	0.47	0.19	<0.05	<0.1	0.037	0.02	0.5	1.0	12.50
V341815		20.9	15.5	14	4.03	1770	20.1	8.60	0.08	1.1	0.747	1.43	9.6	47.6	0.45
V341816		26.1	14.9	8	4.32	1270	24.4	6.21	0.08	0.8	0.524	1.32	15.1	5.3	0.36
V341817		31.2	9.7	10	17.15	17.0	8.10	12.30	0.07	1.0	0.482	2.33	16.0	16.7	0.51
V341818		38.2	16.8	24	10.20	1140	9.22	13.65	0.09	0.8	1.605	2.58	20.2	15.1	0.69
V341819		20.8	4.2	7	6.08	1920	7.25	11.05	0.06	0.5	24.5	1.60	9.5	10.5	1.69
V341820		52.8	7.0	10	18.25	71.8	5.81	18.00	0.07	1.1	0.220	3.10	28.5	13.0	0.90
V341821		51.1	6.3	11	17.45	82.3	5.35	17.45	0.07	1.0	0.205	2.92	27.1	13.4	0.83
V341822		46.2	24.8	7	17.50	141.0	4.23	13.85	0.08	0.8	3.37	2.50	24.8	27.1	1.21
V341823		44.8	7.6	9	16.90	455	5.54	15.20	0.07	1.0	9.40	2.87	23.0	11.4	0.58
V341824		41.0	7.0	8	19.45	106.5	5.83	14.60	0.07	1.0	0.505	2.92	22.6	13.1	0.33
V341825		1.46	0.8	1	0.64	2.9	0.48	0.35	<0.05	<0.1	0.016	0.04	0.7	1.4	12.65
V341826		32.3	28.9	7	6.78	1660	17.95	7.53	0.09	0.8	13.80	1.06	15.8	26.5	0.36
V341827		39.9	8.1	8	24.6	52.6	3.97	14.40	0.06	1.1	0.488	2.67	20.1	42.9	0.64
V341828		25.4	7.8	6	12.35	72.1	5.69	8.77	0.05	0.9	3.11	1.50	13.2	19.1	1.51
V341829		52.5	9.4	9	14.50	21.9	7.53	12.65	0.09	1.0	0.491	2.67	27.1	9.1	0.34
V341830		2.93	2.5	2	0.80	7330	11.90	2.40	<0.05	0.1	41.6	0.18	1.6	3.0	0.17



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 4-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153290

Sample Description	Method Analyte Units LOR	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	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
V341795		1.66	0.03	6.3	2.0	490	355	145.5	<0.002	1.17	90.5	9.0	1	6.0	211	0.50
V341796		2.53	0.03	4.6	2.9	360	292	115.0	<0.002	3.34	38.0	6.3	1	13.9	236	0.35
V341797		1.94	0.02	6.4	2.2	460	855	151.5	<0.002	2.62	139.0	8.5	1	8.4	82.2	0.51
V341798		1.83	0.02	2.3	1.4	160	3950	64.7	<0.002	>10.0	375	3.4	2	11.2	78.4	0.19
V341799		1.41	0.02	3.5	1.7	250	>10000	90.8	<0.002	>10.0	180.5	5.0	2	7.4	14.2	0.29
V341800		337	0.03	2.7	2.6	160	1170	115.0	0.026	4.15	83.1	5.3	2	4.0	173.0	0.22
V341801		28.8	0.03	6.0	3.8	330	643	149.5	0.010	4.60	135.0	9.2	1	6.2	28.3	0.55
V341802		2.40	0.04	4.9	7.9	420	>10000	81.7	<0.002	4.57	190.5	5.2	1	4.9	303	0.38
V341803		2.24	0.05	7.8	5.1	480	617	129.5	<0.002	1.18	33.0	10.1	1	2.4	223	0.62
V341804		2.04	0.05	7.8	5.0	490	570	130.5	<0.002	1.14	30.6	10.1	1	2.2	222	0.61
V341805		1.58	0.02	4.0	1.7	290	1660	113.0	<0.002	8.00	88.6	5.7	2	5.3	41.0	0.31
V341806		14.30	0.02	3.7	1.8	240	2430	89.5	<0.002	8.28	525	4.9	2	6.1	127.0	0.29
V341807		12.65	0.02	5.4	2.0	390	553	127.0	<0.002	2.32	172.5	7.2	1	5.9	150.5	0.45
V341808		165.0	1.12	2.3	19.2	590	>10000	29.7	0.074	>10.0	191.0	11.6	11	20.6	230	0.16
V341809		15.00	0.02	2.5	2.0	180	5030	66.5	<0.002	>10.0	390	3.4	2	6.9	120.0	0.20
V341810		3.08	0.01	3.4	2.0	240	1360	91.9	<0.002	>10.0	125.0	4.9	2	9.5	56.3	0.28
V341811		56.3	0.01	1.1	2.3	80	5600	29.6	<0.002	>10.0	706	2.0	3	9.1	29.5	0.08
V341812		3.45	0.02	4.9	2.1	370	2700	168.0	<0.002	9.29	167.0	7.6	1	10.0	29.1	0.37
V341813		5.01	0.03	6.8	2.4	540	>10000	142.5	<0.002	4.12	54.0	10.7	2	7.3	170.0	0.55
V341814		0.16	<0.01	0.1	1.3	170	19.8	1.3	<0.002	0.02	0.46	0.2	<1	<0.2	47.4	<0.05
V341815		2.98	0.02	4.5	2.4	310	2080	75.7	<0.002	>10.0	65.6	4.2	1	2.9	37.0	0.38
V341816		7.18	0.01	3.1	1.6	200	3070	80.0	<0.002	>10.0	91.0	1.9	1	2.9	30.7	0.25
V341817		5.50	0.02	4.5	3.0	450	337	127.5	<0.002	7.51	46.6	7.4	1	2.9	63.2	0.34
V341818		16.80	0.06	4.8	13.9	450	1640	152.5	0.002	7.71	106.0	8.2	2	11.0	63.6	0.40
V341819		2.07	0.01	3.8	1.3	260	1810	85.3	<0.002	6.28	330	5.2	1	8.4	66.6	0.29
V341820		1.00	0.02	7.6	2.3	560	446	177.5	<0.002	1.19	26.4	10.5	<1	10.9	103.0	0.58
V341821		1.28	0.02	7.2	2.1	520	425	166.5	<0.002	1.04	31.2	10.1	1	10.2	107.5	0.56
V341822		1.43	0.03	6.2	3.0	460	618	145.5	<0.002	2.37	36.8	8.5	1	3.6	116.5	0.49
V341823		2.50	0.04	7.2	2.2	550	1410	158.0	<0.002	3.73	35.5	10.4	1	7.2	62.1	0.58
V341824		2.42	0.02	6.1	2.0	450	1230	178.0	<0.002	5.58	51.8	8.5	1	9.6	19.1	0.53
V341825		0.48	0.01	0.2	1.6	160	6.2	3.0	<0.002	0.02	0.25	0.2	<1	<0.2	50.8	<0.05
V341826		7.40	0.02	2.7	2.4	270	>10000	62.8	<0.002	>10.0	205	4.3	2	9.3	130.0	0.19
V341827		1.61	0.02	7.1	2.7	500	746	146.0	<0.002	3.15	26.9	8.3	1	5.0	114.0	0.57
V341828		28.7	0.03	4.1	3.6	300	2840	82.6	<0.002	4.53	77.7	5.4	1	2.9	158.0	0.31
V341829		4.50	0.03	6.9	3.4	420	1020	151.0	<0.002	7.18	12.45	8.8	1	3.3	86.6	0.53
V341830		1.72	<0.01	0.3	0.4	30	>10000	11.4	<0.002	>10.0	855	0.5	4	25.3	9.7	<0.05



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 4-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153290

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24	
		Te	Th	Ti	Ti	U	V	W	Y	Zn	Zr	Au
		ppm 0.05	ppm 0.01	% 0.005	ppm 0.02	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V341795		0.05	10.85	0.190	2.56	3.8	54	5.4	13.0	1420	27.7	0.136
V341796		0.09	8.14	0.135	1.67	8.1	37	4.5	9.3	8450	18.7	1.080
V341797		0.16	10.40	0.197	2.72	2.8	56	7.2	9.0	4690	26.6	1.150
V341798		0.74	3.34	0.072	1.19	2.5	23	7.7	4.9	>10000	9.7	>10.0
V341799		1.20	5.20	0.106	2.00	1.9	36	5.4	4.9	>10000	13.9	>10.0
V341800		0.52	2.90	0.091	2.21	3.2	95	2.9	4.2	7740	5.7	1.910
V341801		0.19	7.70	0.210	1.52	1.5	74	5.9	6.3	913	9.5	3.17
V341802		0.18	6.85	0.149	1.45	4.7	44	4.4	8.2	>10000	42.6	0.580
V341803		0.11	8.67	0.229	2.12	3.0	78	3.8	13.1	906	23.5	0.246
V341804		0.12	8.44	0.229	2.08	2.9	77	3.9	13.1	804	22.8	0.153
V341805		0.64	6.29	0.119	1.78	2.7	36	3.2	6.9	>10000	15.0	8.34
V341806		0.35	4.42	0.110	1.60	6.9	32	4.2	8.2	>10000	14.0	7.86
V341807		0.05	8.93	0.162	2.12	9.2	47	4.2	10.0	3250	20.9	1.445
V341808		0.53	1.79	0.179	7.30	2.2	128	8.3	13.7	>10000	11.7	>10.0
V341809		0.65	2.49	0.072	1.10	5.3	22	1.9	7.4	>10000	9.6	4.82
V341810		0.28	5.43	0.104	1.95	3.3	31	3.2	7.2	>10000	12.5	5.09
V341811		1.42	2.24	0.032	0.95	1.9	13	1.3	3.6	>10000	3.9	>10.0
V341812		0.29	8.19	0.152	2.35	4.9	53	4.3	9.5	>10000	16.1	5.92
V341813		0.47	10.65	0.229	2.61	4.9	71	5.7	11.0	>10000	43.2	0.771
V341814		<0.05	0.08	<0.005	0.02	0.5	2	0.2	0.7	83	<0.5	0.009
V341815		1.56	7.08	0.105	3.97	2.0	32	6.1	5.4	594	37.8	0.870
V341816		1.12	6.37	0.058	5.11	1.6	15	6.3	4.6	4520	29.6	0.488
V341817		1.09	6.55	0.192	3.60	4.2	63	5.4	8.7	725	36.7	0.310
V341818		0.80	8.78	0.158	2.10	5.2	57	7.2	9.7	3390	24.8	1.730
V341819		<0.05	5.59	0.115	1.68	1.7	34	4.9	5.8	>10000	15.1	>10.0
V341820		<0.05	12.00	0.242	3.24	5.3	70	10.3	12.2	519	32.4	0.201
V341821		<0.05	11.20	0.225	2.97	4.8	65	9.4	12.1	498	29.0	0.199
V341822		0.66	10.65	0.185	2.27	5.4	54	4.5	13.9	6340	23.1	0.203
V341823		0.09	10.65	0.224	2.85	4.2	68	8.2	11.8	>10000	27.6	2.19
V341824		0.18	11.70	0.184	2.50	2.3	56	5.0	7.9	1400	28.2	0.542
V341825		<0.05	0.12	<0.005	0.04	0.6	2	0.1	0.9	43	<0.5	<0.005
V341826		1.30	3.55	0.084	0.90	4.7	31	1.8	5.9	>10000	35.4	2.14
V341827		0.06	10.50	0.209	2.76	3.8	58	6.0	9.3	1700	38.3	0.362
V341828		0.10	5.62	0.131	1.47	12.8	41	3.7	8.5	>10000	31.5	4.89
V341829		<0.05	9.96	0.197	1.82	5.0	63	4.8	9.3	6150	29.6	0.329
V341830		0.05	0.74	0.009	0.47	0.4	3	0.3	2.0	>10000	1.5	>10.0



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 4-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153290

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
Cu-OG62	ME-MS61	ME-OG62	Pb-OG62
Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

CERTIFICATE WH17153293

Project: Klaza

P.O. No.: 17-072

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
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CERTIFICATE OF ANALYSIS WH17153293

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V341357		10.15	0.10	7.59	7.6	2230	1.55	0.10	2.58	0.18	50.0	6.4	11	12.65	12.0	2.85
V341358		6.07	0.15	7.13	12.3	2040	1.50	0.14	2.81	0.19	47.2	7.2	10	16.90	9.6	3.02
V341359		3.30	0.08	7.26	10.0	2100	1.56	0.09	2.77	0.12	51.0	7.0	11	17.45	7.9	3.08
V341360		4.67	0.42	6.99	64.4	1690	1.63	0.19	2.75	1.33	47.4	6.5	10	17.45	10.7	3.09
V341361		7.54	5.99	6.36	791	570	1.73	6.22	0.96	8.19	47.2	44.2	8	17.10	183.5	9.40
V341362		5.86	74.1	5.07	8730	140	1.03	88.1	0.57	140.0	73.6	11.9	9	7.91	1980	6.61
V341363		6.81	1.26	6.60	47.2	1190	1.46	1.40	1.83	6.96	41.5	3.5	9	18.80	45.4	2.84
V341364		5.69	0.37	5.75	55.4	880	1.27	0.33	1.65	0.56	51.0	5.1	6	19.75	4.7	2.19
V341365		0.26	41.0	5.73	2490	170	1.18	35.0	1.65	44.1	37.9	16.4	24	10.00	1110	9.00
V341366		10.52	3.02	5.87	696	390	1.09	1.96	2.43	26.3	36.3	7.1	9	13.65	124.5	4.53
V341367		10.65	0.50	6.82	37.7	1830	1.49	0.46	1.62	1.00	35.5	5.8	9	16.90	28.6	2.75
V341368		13.09	0.14	6.91	10.7	1870	1.49	0.09	2.35	0.31	42.2	6.9	9	19.70	11.7	3.06
V341369		2.53	2.44	6.15	1340	910	1.14	1.49	1.83	10.85	38.9	8.1	8	13.10	67.4	3.53
V341370		3.18	3.52	6.61	185.5	1510	1.90	1.53	2.55	13.60	36.3	7.4	9	16.55	345	3.72
V341371		4.27	1.51	7.44	67.3	1530	1.80	0.81	1.62	20.4	48.1	5.6	8	20.9	76.9	3.95
V341372		3.72	0.21	7.45	26.1	1670	1.81	0.16	2.18	0.82	45.1	6.2	9	20.4	6.3	2.86
V341373		7.47	0.09	7.08	5.7	2170	1.67	0.12	2.53	0.19	46.0	6.7	13	14.90	3.8	3.05
V341374		9.46	0.19	6.73	12.8	2260	1.51	0.28	2.38	0.65	38.0	5.4	10	16.65	6.2	3.32
V341375		4.32	1.45	7.40	426	1690	1.72	0.84	2.26	24.0	46.3	5.3	9	23.5	67.0	3.19
V341376		<0.02	1.55	7.27	452	1680	1.77	0.79	2.27	24.4	44.5	5.3	10	23.9	70.3	3.32
V341377		4.85	0.74	6.98	193.0	1320	1.73	0.48	2.36	3.90	45.5	6.3	8	22.6	65.5	4.18
V341378		9.26	0.83	7.54	76.6	1290	1.68	0.87	1.93	6.86	55.5	4.9	8	21.8	22.3	4.02
V341379		7.69	0.57	6.87	36.2	2300	1.34	0.58	2.09	4.45	44.3	5.0	8	18.15	10.8	2.47
V341380		7.26	32.3	5.58	998	260	1.11	11.10	1.06	88.5	34.7	11.5	9	7.31	711	6.06
V341381		6.49	0.05	0.08	1.6	40	0.05	0.04	21.3	0.19	1.41	0.7	1	0.20	3.1	0.51
V341382		4.22	1.70	6.27	475	1090	1.20	0.67	2.97	13.25	56.2	3.7	8	13.10	16.5	3.35
V341383		6.50	7.19	6.43	390	500	1.22	7.93	1.08	97.5	55.1	4.1	9	13.90	121.0	3.88
V341384		0.26	4.58	6.90	730	300	1.45	3.48	2.09	11.55	51.6	12.1	26	15.00	307	5.13
V341385		7.35	0.63	6.74	28.2	970	1.29	0.60	2.11	8.40	84.8	4.4	10	10.75	14.2	2.76
V341386		6.97	0.09	7.27	9.7	1820	1.31	0.13	2.02	0.24	42.6	3.9	9	12.95	5.4	2.91
V341387		8.41	0.09	7.75	9.0	2550	1.31	0.15	1.72	0.35	41.7	5.0	9	14.60	4.6	2.83
V341388		3.74	1.34	7.41	188.0	1510	1.66	1.43	1.57	8.19	57.9	5.0	10	19.00	16.3	3.33
V341389		6.69	0.01	0.11	0.2	50	0.07	0.03	20.9	0.08	1.68	0.7	1	0.33	1.8	0.49
V341390		4.17	0.41	7.11	137.5	2120	1.16	0.20	1.83	2.04	35.0	4.5	8	14.20	4.4	2.99
V341391		5.02	3.74	7.06	534	1440	1.28	1.09	2.01	48.5	52.3	5.5	9	17.35	135.5	4.81
V341392		9.35	0.12	7.27	13.5	1910	1.40	0.13	2.52	3.20	48.9	6.5	11	14.05	10.3	2.92



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153293

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V341357		15.30	0.17	1.1	0.045	2.71	27.2	19.9	0.71	546	2.04	1.94	7.7	8.4	590
V341358		16.25	0.15	1.1	0.076	2.69	23.9	27.9	0.71	728	2.21	1.67	8.3	2.6	630
V341359		16.00	0.15	1.1	0.063	2.60	26.7	32.9	0.75	690	1.35	1.75	8.7	2.8	660
V341360		16.30	0.14	1.1	0.117	2.67	24.3	25.5	0.73	1630	1.32	1.47	8.6	2.5	600
V341361		14.40	0.09	0.7	0.502	2.64	26.2	14.0	0.87	4660	7.43	0.02	6.2	4.6	460
V341362		15.25	0.09	0.7	5.03	2.26	43.9	12.0	0.36	1250	9.16	0.03	5.2	2.5	370
V341363		15.30	0.06	1.0	0.271	2.33	21.1	120.5	0.63	1000	0.89	0.05	7.9	1.9	520
V341364		12.05	0.07	0.8	0.112	2.01	29.2	109.5	0.65	845	1.82	0.03	6.0	1.7	400
V341365		13.65	0.07	0.8	1.590	2.50	20.0	16.5	0.67	2210	16.20	0.06	4.8	13.5	440
V341366		12.15	0.15	0.7	0.782	2.32	19.8	46.9	1.03	2190	2.71	0.03	5.0	2.1	430
V341367		15.05	0.15	1.0	0.077	2.06	17.3	288	0.51	795	2.11	0.04	7.4	2.0	570
V341368		15.45	0.18	1.2	0.040	2.64	20.9	40.2	0.75	550	0.70	1.30	7.9	2.4	560
V341369		12.15	0.15	0.8	0.242	2.50	21.5	29.2	0.77	1090	1.54	0.03	5.0	1.8	420
V341370		14.40	0.12	0.9	0.827	2.99	18.2	81.6	0.97	1660	4.39	0.05	6.7	2.5	520
V341371		15.25	0.14	1.1	0.499	3.27	26.3	101.0	0.70	1240	0.62	0.11	7.4	2.3	550
V341372		16.10	0.14	1.1	0.069	3.11	23.4	40.1	0.71	802	1.89	0.68	8.1	2.5	570
V341373		15.45	0.12	1.2	0.036	2.92	24.7	14.0	0.68	513	0.75	1.92	8.0	2.5	550
V341374		15.20	0.12	1.0	0.051	3.09	19.7	22.1	0.63	728	0.79	1.38	7.5	2.4	540
V341375		16.35	0.14	1.0	0.263	3.45	25.2	74.4	0.63	974	0.82	0.39	7.8	2.4	570
V341376		16.40	0.13	1.0	0.275	3.42	23.3	78.8	0.62	1080	0.90	0.35	7.7	2.5	550
V341377		15.55	0.13	1.0	0.184	2.83	24.1	21.7	0.88	2080	0.78	0.03	7.2	2.4	550
V341378		16.05	0.15	1.1	0.179	2.80	32.0	43.4	0.79	1650	0.99	0.03	7.7	2.7	560
V341379		15.25	0.12	0.9	0.175	2.73	23.6	74.6	0.74	995	1.75	0.04	7.2	2.4	550
V341380		12.25	0.12	0.7	3.94	2.57	19.0	14.9	0.58	1500	2.01	0.02	5.3	2.2	420
V341381		0.21	0.11	<0.1	0.011	0.03	0.7	1.4	13.05	204	0.07	<0.01	0.2	1.6	170
V341382		13.25	0.15	0.8	0.262	2.71	32.5	33.1	1.14	2030	13.10	0.03	6.0	2.0	440
V341383		13.70	0.15	0.8	1.810	2.74	31.7	31.1	0.59	1050	6.15	0.03	6.2	2.0	490
V341384		15.05	0.12	1.1	0.334	2.97	29.4	23.3	0.80	1890	14.00	0.15	6.2	14.9	520
V341385		14.40	0.14	0.8	0.213	2.92	52.0	42.6	0.73	1490	3.33	0.06	5.9	1.9	550
V341386		16.15	0.14	1.0	0.048	2.20	20.9	54.5	0.67	724	1.75	0.04	7.5	2.7	610
V341387		16.80	0.13	1.0	0.041	2.73	21.6	35.1	0.60	527	2.07	0.07	8.0	2.6	620
V341388		15.85	0.14	0.9	0.287	2.72	33.0	215	0.64	1480	1.73	0.04	7.4	2.3	560
V341389		0.31	0.12	<0.1	0.006	0.04	0.8	1.8	12.85	199	0.09	0.01	0.4	1.6	170
V341390		16.30	0.12	0.9	0.040	2.86	17.2	50.6	0.60	827	3.41	0.08	7.9	1.9	580
V341391		14.45	0.14	1.0	0.917	2.99	30.6	33.6	0.69	2560	2.74	0.03	6.8	2.4	530
V341392		15.90	0.13	1.3	0.042	2.61	25.7	11.5	0.72	670	1.70	1.93	8.1	2.6	560



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153293

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V341357		110.5	0.005	0.05	5.62	10.0	1	1.5	340	0.63	<0.05	14.50	0.246	1.11	4.3	68
V341358		114.5	0.002	0.06	4.77	12.1	1	1.6	327	0.62	<0.05	12.80	0.262	1.40	4.0	73
V341359		110.0	<0.002	0.06	4.93	11.9	1	1.7	335	0.62	<0.05	13.40	0.266	1.25	4.2	75
V341360		103.0	<0.002	0.38	6.21	11.5	1	2.1	296	0.62	<0.05	12.95	0.248	1.67	4.3	69
V341361		144.0	<0.002	2.61	75.8	8.6	<1	5.1	47.8	0.48	0.20	11.00	0.188	2.85	3.3	57
V341362		137.5	<0.002	6.14	350	6.7	1	11.9	23.9	0.44	0.22	9.07	0.150	1.92	3.3	47
V341363		98.8	<0.002	0.25	24.7	9.4	1	3.1	110.5	0.67	<0.05	10.75	0.224	1.78	4.5	63
V341364		111.0	<0.002	0.38	31.8	7.8	<1	1.8	89.1	0.48	0.05	10.75	0.170	1.69	5.6	51
V341365		151.0	<0.002	7.51	104.5	8.1	1	10.8	62.4	0.38	0.79	8.96	0.156	2.10	5.2	55
V341366		124.5	<0.002	1.48	49.2	7.3	1	2.8	97.5	0.45	0.06	9.82	0.178	2.23	4.7	52
V341367		82.9	<0.002	0.21	29.3	9.3	1	2.1	140.0	0.61	<0.05	11.15	0.238	1.41	3.2	64
V341368		102.5	<0.002	0.05	6.22	9.7	1	1.5	258	0.64	<0.05	12.60	0.237	1.15	4.4	63
V341369		133.0	<0.002	1.34	40.7	6.9	<1	2.9	70.2	0.47	0.08	10.50	0.170	1.83	4.0	54
V341370		137.0	<0.002	0.53	37.4	8.5	1	2.6	94.2	0.54	0.06	12.10	0.200	2.69	5.1	58
V341371		154.0	<0.002	0.72	16.35	9.8	1	2.5	123.5	0.61	<0.05	14.00	0.231	2.38	4.8	64
V341372		142.0	<0.002	0.18	6.67	10.4	1	2.3	179.5	0.70	<0.05	15.80	0.238	1.96	5.2	67
V341373		114.5	<0.002	0.05	2.84	10.1	1	1.8	327	0.75	<0.05	13.65	0.229	1.35	4.9	65
V341374		121.0	<0.002	0.13	3.64	9.2	1	2.0	269	0.64	<0.05	11.10	0.223	1.80	4.0	61
V341375		152.5	<0.002	0.56	6.51	10.6	1	3.6	176.5	0.61	<0.05	15.40	0.239	2.33	4.6	67
V341376		143.5	<0.002	0.61	6.55	10.2	1	3.6	173.0	0.62	<0.05	12.85	0.237	2.34	4.4	67
V341377		126.5	<0.002	0.50	19.30	9.7	1	3.8	121.5	0.61	<0.05	13.10	0.229	2.91	5.1	63
V341378		159.5	<0.002	0.60	12.50	10.5	1	4.2	112.0	0.65	<0.05	15.75	0.237	2.90	5.2	66
V341379		131.0	<0.002	0.41	10.65	10.4	1	2.3	104.0	0.60	<0.05	13.15	0.215	2.62	5.3	63
V341380		168.0	<0.002	5.45	82.9	7.7	1	7.8	29.9	0.44	0.18	9.47	0.168	2.20	3.4	53
V341381		1.5	<0.002	0.01	0.23	0.2	<1	<0.2	52.1	<0.05	<0.05	0.12	<0.005	0.03	0.8	2
V341382		168.5	<0.002	1.50	38.4	8.2	1	3.3	73.3	0.50	<0.05	10.95	0.181	2.78	6.4	56
V341383		161.5	<0.002	2.26	39.7	8.2	1	5.8	65.0	0.52	0.06	11.30	0.193	2.64	4.4	57
V341384		167.5	0.003	2.66	28.9	9.1	1	5.9	111.5	0.51	0.30	11.70	0.202	2.48	5.2	67
V341385		148.5	<0.002	0.62	9.56	8.9	1	4.8	64.0	0.49	<0.05	11.25	0.192	2.69	6.4	61
V341386		90.7	<0.002	0.08	20.7	10.0	1	2.7	86.5	0.62	<0.05	11.10	0.238	1.74	2.9	70
V341387		113.0	<0.002	0.09	16.50	10.4	1	2.2	112.0	0.66	<0.05	12.80	0.248	1.76	2.4	69
V341388		159.5	<0.002	0.75	25.3	10.0	1	2.5	151.5	0.60	<0.05	13.75	0.230	2.41	5.4	65
V341389		2.2	<0.002	<0.01	0.11	0.2	<1	0.2	49.9	<0.05	<0.05	0.19	<0.005	0.03	0.9	2
V341390		100.5	<0.002	0.38	16.25	9.4	1	2.7	116.0	0.64	<0.05	10.30	0.247	1.89	3.4	72
V341391		180.0	<0.002	0.97	15.40	9.2	1	3.1	70.6	0.56	<0.05	12.00	0.221	2.86	5.7	63
V341392		107.5	<0.002	0.07	2.09	10.0	1	1.9	308	0.71	<0.05	13.80	0.239	1.29	3.8	68



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153293

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V341357		1.3	17.4	49	32.7	0.006
V341358		1.9	17.9	51	31.9	0.007
V341359		2.5	18.8	47	32.7	<0.005
V341360		1.8	17.2	128	32.9	0.027
V341361		11.6	9.1	589	22.5	0.833
V341362		4.6	7.2	8640	20.0	7.98
V341363		3.3	12.2	481	30.0	0.023
V341364		5.9	11.6	64	22.9	0.024
V341365		7.1	9.2	3250	24.7	1.715
V341366		5.4	10.6	1750	19.6	0.228
V341367		5.0	12.9	111	28.2	0.017
V341368		2.6	15.8	60	32.3	<0.005
V341369		3.9	10.7	808	22.0	0.735
V341370		3.5	12.6	867	25.9	0.054
V341371		3.7	14.2	1280	30.7	0.239
V341372		1.7	15.9	83	31.6	<0.005
V341373		1.2	16.5	48	33.8	<0.005
V341374		1.8	14.3	90	29.0	0.007
V341375		3.0	15.3	1610	30.8	0.064
V341376		3.0	14.5	1610	28.8	0.065
V341377		5.9	14.3	292	27.9	0.033
V341378		6.2	14.3	505	30.8	0.029
V341379		5.5	12.2	308	27.0	0.027
V341380		4.6	7.4	5620	19.4	0.478
V341381		0.1	0.8	27	<0.5	<0.005
V341382		4.0	10.8	948	23.3	0.199
V341383		4.8	8.9	6370	20.5	0.997
V341384		5.6	12.5	893	30.8	0.309
V341385		2.1	12.0	591	23.0	0.044
V341386		2.6	12.7	68	27.4	<0.005
V341387		3.0	13.8	59	28.7	<0.005
V341388		4.6	13.0	666	25.3	0.018
V341389		0.1	1.0	18	<0.5	<0.005
V341390		2.8	12.7	164	26.7	0.061
V341391		4.7	12.1	3460	29.1	0.121
V341392		1.9	16.9	211	37.1	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 2-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17153293

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 28-AUG-2017
Account: ROCKHA

CERTIFICATE WH17153301

Project: Klaza

P.O. No.: 17-071

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN 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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1016 - 510 W HASTINGS STREET
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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 28-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17153301

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588199		5.29	0.16	6.99	26.0	1660	2.37	0.27	2.88	0.13	61.4	5.3	35	22.5	17.4	2.41
W588200		5.99	0.87	6.37	78.2	610	1.21	0.81	2.47	3.58	46.4	4.7	12	15.35	44.8	3.16
W588201		6.72	5.25	6.47	123.5	1060	1.19	0.72	1.74	9.62	45.5	5.5	11	15.70	33.7	3.40
W588202		3.83	0.14	6.65	11.8	790	1.35	0.19	2.70	0.26	35.7	6.2	12	21.5	3.6	2.59
W588203		10.76	0.08	6.35	8.7	810	1.38	0.22	2.66	0.14	37.0	5.8	13	21.8	4.3	2.51
W588204		11.26	0.54	6.27	36.5	800	1.26	0.40	2.51	3.46	32.5	5.3	11	17.10	12.0	2.46
W588205		5.49	0.57	6.66	121.5	560	1.40	0.57	3.26	1.11	46.5	5.9	10	20.8	11.0	3.13
W588206		0.26	9.61	6.49	1830	900	1.48	6.28	1.83	40.0	42.5	15.2	21	16.05	106.0	5.25
W588207		6.01	6.57	6.04	393	950	1.23	4.72	1.03	11.25	36.4	6.1	12	11.45	52.4	5.39
W588208		5.63	0.20	6.43	19.8	840	1.31	0.48	2.81	0.37	38.5	5.3	13	15.90	6.3	2.56
W588209		4.88	1.20	6.62	142.0	710	1.33	0.95	2.35	4.58	43.4	5.0	10	11.90	26.7	2.93
W588210		5.33	3.03	6.27	666	570	1.24	3.64	1.09	2.75	43.5	4.5	11	11.35	86.4	4.53
W588211		11.44	0.21	6.35	15.4	630	1.19	0.39	2.34	0.26	42.4	3.5	10	16.15	9.1	1.95
W588212		5.31	4.22	6.14	179.5	1310	1.54	2.55	2.53	5.33	45.1	5.5	21	46.9	31.7	2.45
W588213		<0.02	2.99	6.11	192.0	1350	1.58	2.54	2.54	5.09	44.6	5.9	22	43.8	36.1	2.41
W588214		12.28	2.04	6.73	143.0	650	1.26	1.79	2.52	2.39	42.6	4.8	9	20.9	55.6	2.71
W588215		3.07	9.08	6.30	455	650	1.66	7.43	2.42	21.8	45.0	7.1	7	52.4	207	4.13
W588216		7.47	0.03	0.13	1.3	40	0.09	0.05	20.8	0.10	1.47	0.7	1	1.21	1.7	0.54
W588217		5.77	1.73	6.85	308	1460	1.40	0.56	2.53	6.16	42.9	6.9	8	37.3	36.4	2.93
W588218		10.29	0.14	6.88	28.9	1030	1.81	0.21	3.91	0.29	58.9	4.0	17	28.7	10.1	2.37
W588219		5.63	17.05	6.98	189.5	1250	1.55	0.62	2.85	58.4	43.7	8.5	16	15.85	71.7	3.62
W588220		3.47	0.50	6.29	24.0	1210	1.45	0.37	3.09	0.48	33.7	5.7	7	14.40	37.6	2.14
W588221		0.27	4.42	6.69	736	550	1.35	3.32	2.02	10.30	47.1	11.2	26	12.70	311	5.11
W588222		7.79	0.39	6.68	16.4	1990	1.55	0.63	2.74	0.62	37.9	5.6	11	11.70	39.3	2.76
W588223		8.14	3.16	6.56	395	890	1.53	1.13	2.52	14.60	39.7	4.7	8	10.35	77.7	2.70
W588224		9.82	4.19	6.66	918	690	1.42	4.68	1.02	9.58	46.6	6.0	7	7.53	135.0	4.87
W588225		6.66	0.02	0.07	1.3	30	0.07	0.05	21.1	0.09	1.12	0.7	<1	0.16	3.8	0.49
W588226		6.20	2.42	7.31	177.5	910	1.73	2.24	4.04	0.37	40.6	10.2	54	10.90	107.0	3.64
W588227		5.22	0.16	7.20	16.8	1120	1.40	0.38	5.82	0.09	39.2	14.8	54	9.27	15.9	3.83
W588228		7.33	2.09	7.43	1075	1910	1.54	0.20	3.74	10.45	52.1	8.2	21	12.60	30.5	2.98
W588229		4.70	0.28	6.91	16.5	790	1.52	0.39	2.55	0.34	31.5	8.7	16	10.05	13.9	2.50
W588230		6.75	0.14	6.74	8.3	2420	1.58	0.25	3.26	0.20	31.5	6.4	16	10.00	3.8	2.49
W588231		5.01	0.11	7.30	11.8	870	1.66	0.12	3.25	0.33	34.1	5.2	16	11.40	1.6	2.48
W588232		7.97	7.90	7.00	253	1210	1.69	0.13	3.18	0.61	33.3	6.2	15	5.96	23.9	2.31
W588233		9.97	2.00	7.27	919	740	1.79	0.22	3.73	8.60	37.8	8.7	31	7.77	10.6	3.10
W588234		3.38	1.98	7.68	237	480	1.56	1.23	1.52	1.19	49.0	4.1	7	20.8	132.5	2.03



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Page: 2 - B
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CERTIFICATE OF ANALYSIS WH17153301

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588199		16.70	0.20	5.1	0.030	2.02	32.6	61.2	1.07	721	2.41	0.07	11.3	11.3	1250
W588200		11.85	0.19	0.7	0.323	2.81	27.0	11.1	0.99	3420	0.94	0.03	6.1	3.3	380
W588201		12.20	0.18	0.7	0.276	2.94	26.6	11.1	0.72	3730	2.29	0.03	6.3	3.0	410
W588202		13.80	0.18	0.7	0.024	2.46	17.9	41.7	0.78	1060	1.65	0.12	7.3	3.3	450
W588203		13.15	0.19	0.7	0.024	2.12	19.2	33.4	0.80	603	1.40	0.70	7.3	3.2	430
W588204		13.00	0.18	0.6	0.037	2.26	16.4	24.1	0.76	795	2.50	1.03	6.9	2.9	440
W588205		12.40	0.17	0.7	0.082	2.74	27.0	16.9	1.29	2420	0.81	0.04	6.8	3.1	400
W588206		13.90	0.16	1.2	0.884	2.80	21.9	23.7	0.70	1910	11.90	0.26	6.6	14.6	510
W588207		12.05	0.16	0.7	0.248	2.70	19.5	13.6	0.52	795	3.18	0.03	6.4	3.7	320
W588208		13.25	0.17	0.7	0.048	2.96	20.1	18.1	0.86	854	0.56	0.05	7.2	3.2	410
W588209		12.90	0.18	0.8	0.139	2.79	23.6	24.5	0.63	1620	10.90	0.12	7.4	2.7	380
W588210		11.70	0.15	0.8	0.172	2.82	25.5	7.2	0.53	1060	4.25	0.03	6.6	2.7	240
W588211		12.05	0.18	0.8	0.037	2.58	23.5	24.4	0.84	672	47.0	0.05	6.7	2.3	280
W588212		12.00	0.19	1.0	0.112	2.34	26.1	36.6	0.88	1170	4.64	0.05	6.3	3.5	470
W588213		12.10	0.18	1.0	0.108	2.36	25.9	37.2	0.86	1160	6.15	0.05	6.4	3.6	470
W588214		13.20	0.19	0.8	0.133	2.71	23.8	42.6	0.85	1860	0.71	0.04	6.9	2.6	400
W588215		12.45	0.18	1.1	0.432	2.41	25.8	28.4	0.97	1540	5.76	0.04	5.8	2.5	490
W588216		0.39	0.20	<0.1	0.006	0.07	0.7	1.6	13.05	212	1.80	<0.01	0.4	1.7	190
W588217		14.55	0.21	1.5	0.256	2.87	22.8	20.4	0.91	3000	2.41	0.03	6.7	2.1	580
W588218		17.00	0.24	2.4	0.035	2.58	29.0	67.5	0.81	742	1.56	0.17	9.9	3.3	1030
W588219		14.70	0.19	1.3	0.106	2.61	22.8	19.7	0.86	2370	1.68	0.80	6.6	2.6	620
W588220		14.65	0.22	1.6	0.042	2.65	16.5	40.7	0.54	1200	4.35	0.38	7.5	1.7	590
W588221		14.30	0.16	1.0	0.297	2.92	26.9	24.9	0.79	1840	14.10	0.15	5.5	13.9	540
W588222		14.60	0.19	1.9	0.057	2.84	19.1	17.8	0.66	793	8.37	1.60	7.7	2.1	580
W588223		13.95	0.19	1.8	0.078	2.79	20.3	31.3	0.62	2720	3.87	0.13	7.2	1.9	540
W588224		13.20	0.18	1.6	0.201	3.00	26.6	21.4	0.63	2440	6.25	0.03	6.7	1.8	470
W588225		0.20	0.13	<0.1	0.005	0.03	0.6	0.7	13.20	206	0.89	0.01	0.2	2.7	200
W588226		16.50	0.16	2.1	0.067	2.93	22.1	81.6	1.37	1700	2.90	0.05	10.0	6.7	890
W588227		15.50	0.14	2.4	0.050	2.89	20.8	89.3	1.84	2690	1.68	0.05	9.7	10.0	1230
W588228		16.85	0.15	2.7	0.093	2.90	27.8	35.4	1.14	2260	4.02	0.05	10.8	5.9	990
W588229		16.60	0.13	2.0	0.037	3.76	15.9	6.1	0.86	1400	2.80	0.03	10.5	3.8	640
W588230		16.85	0.15	1.9	0.035	3.74	15.9	6.1	0.93	1480	2.10	0.03	10.5	3.5	620
W588231		17.45	0.17	1.9	0.032	3.83	18.0	5.6	0.98	1920	1.00	0.03	11.1	3.0	610
W588232		17.15	0.17	2.0	0.044	3.63	17.2	5.2	0.81	2290	1.46	0.03	10.7	4.0	610
W588233		17.20	0.15	2.2	0.042	3.48	20.2	8.0	1.08	8830	1.29	0.03	10.6	6.2	840
W588234		14.60	0.17	2.2	0.071	3.10	27.5	17.0	0.61	2130	7.01	0.05	8.9	1.3	510



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Page: 2 - C
Total # Pages: 2 (A - D)
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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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
W588199		75.2	<0.002	0.12	8.73	4.6	<1	1.7	346	0.84	<0.05	11.55	0.319	1.80	8.8
W588200		177.5	<0.002	0.34	9.88	7.0	<1	2.6	79.6	0.60	0.05	15.50	0.198	2.75	5.1
W588201		167.5	<0.002	0.62	17.45	7.5	<1	1.8	69.9	0.55	<0.05	13.95	0.211	2.50	5.8
W588202		68.2	<0.002	0.09	6.33	7.9	<1	1.2	128.0	0.69	<0.05	10.80	0.242	1.41	3.2
W588203		67.0	0.002	0.09	3.63	7.7	1	1.2	188.0	0.74	<0.05	12.50	0.229	1.20	3.5
W588204		79.9	<0.002	0.30	5.46	7.7	1	2.2	198.0	0.65	<0.05	10.75	0.227	1.33	2.2
W588205		153.0	<0.002	0.79	6.60	8.0	1	1.3	114.0	0.68	<0.05	14.20	0.221	2.48	5.8
W588206		150.0	<0.002	3.12	30.9	8.2	1	5.9	149.0	0.57	0.30	11.30	0.206	2.52	4.5
W588207		155.5	0.003	5.22	16.40	7.0	1	5.1	61.2	0.67	0.26	12.95	0.190	2.47	5.4
W588208		116.5	<0.002	0.35	7.77	7.4	<1	1.5	119.5	0.72	<0.05	12.80	0.223	2.20	2.8
W588209		126.5	0.002	0.94	11.65	7.1	1	2.3	130.5	0.72	<0.05	14.80	0.202	2.00	3.5
W588210		150.5	<0.002	2.95	28.5	5.1	<1	2.5	59.1	0.82	0.20	19.25	0.144	1.89	5.3
W588211		103.5	0.005	0.17	7.68	5.5	1	1.4	153.5	0.74	<0.05	18.45	0.160	1.75	4.6
W588212		126.5	<0.002	0.98	31.3	6.7	<1	2.1	220	0.60	0.08	13.35	0.203	1.89	4.8
W588213		125.5	<0.002	0.98	31.2	6.8	1	2.2	219	0.61	0.08	13.50	0.204	1.82	4.3
W588214		120.0	<0.002	0.98	13.40	7.3	<1	2.4	149.5	0.67	<0.05	14.10	0.215	2.15	3.5
W588215		134.5	<0.002	2.87	34.9	7.5	1	3.5	191.0	0.53	0.22	13.10	0.199	2.30	4.1
W588216		4.8	<0.002	0.01	0.13	0.2	<1	<0.2	50.0	0.06	<0.05	0.18	0.005	0.05	0.8
W588217		126.0	<0.002	1.00	12.00	8.4	1	4.4	185.5	0.59	0.06	12.90	0.231	2.92	4.4
W588218		79.8	<0.002	0.07	5.44	4.5	1	2.4	336	0.71	<0.05	8.84	0.277	2.00	4.7
W588219		104.5	<0.002	1.44	16.40	10.1	1	2.6	267	0.55	0.74	11.70	0.262	1.96	4.1
W588220		87.6	0.002	0.19	7.75	6.7	1	2.3	211	0.66	<0.05	10.80	0.225	1.69	3.4
W588221		153.0	0.003	2.75	26.2	8.8	1	5.8	108.5	0.47	0.30	11.90	0.206	2.48	4.7
W588222		105.0	0.004	0.18	3.72	8.3	1	3.1	312	0.66	<0.05	11.70	0.234	1.59	3.6
W588223		105.0	<0.002	0.63	10.40	7.2	1	3.2	142.0	0.63	0.07	12.70	0.218	2.36	4.0
W588224		168.0	<0.002	2.01	19.05	6.7	1	5.1	53.5	0.56	0.05	15.20	0.182	2.59	3.7
W588225		1.3	<0.002	<0.01	0.11	0.2	<1	<0.2	47.6	<0.05	<0.05	0.11	<0.005	0.04	0.6
W588226		165.5	<0.002	0.64	13.00	11.3	1	1.7	215	0.68	<0.05	9.41	0.266	2.88	3.8
W588227		165.5	<0.002	0.38	8.72	15.0	1	2.7	271	0.64	<0.05	7.66	0.322	2.86	5.2
W588228		160.0	<0.002	0.73	17.20	6.7	1	1.7	252	0.71	0.07	8.98	0.293	2.84	4.5
W588229		189.5	<0.002	0.42	3.90	6.0	1	1.4	129.5	0.78	<0.05	7.92	0.221	3.85	3.1
W588230		189.5	<0.002	0.25	3.79	6.1	1	1.0	124.5	0.74	<0.05	7.75	0.217	3.93	3.1
W588231		218	0.002	0.10	3.63	6.3	1	1.0	119.5	0.77	<0.05	8.80	0.223	3.95	3.4
W588232		181.5	0.002	0.33	5.02	6.1	<1	1.0	122.0	0.76	<0.05	8.77	0.220	3.77	3.2
W588233		155.0	0.002	0.86	13.10	9.3	1	1.7	91.7	0.73	<0.05	8.93	0.261	3.87	4.4
W588234		140.5	<0.002	0.51	25.1	3.7	1	2.7	170.0	0.71	0.05	17.50	0.157	2.67	7.2



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W588199		2.2	10.8	70	228	<0.005
W588200		2.0	9.7	470	20.2	0.018
W588201		3.0	9.3	837	17.7	0.050
W588202		1.1	10.1	60	17.8	<0.005
W588203		0.9	10.6	50	17.7	<0.005
W588204		1.2	9.7	343	17.3	0.015
W588205		3.0	11.9	157	17.7	0.038
W588206		5.2	10.6	3020	39.6	0.824
W588207		5.8	6.4	902	16.7	0.292
W588208		3.3	9.4	60	18.7	0.012
W588209		9.9	9.5	509	22.8	0.032
W588210		5.7	7.7	313	20.8	0.369
W588211		6.3	8.7	56	22.3	<0.005
W588212		6.1	9.5	552	34.5	0.092
W588213		6.2	9.5	531	34.4	0.099
W588214		3.7	9.0	248	19.6	0.056
W588215		4.0	10.9	2500	36.7	0.432
W588216		0.1	0.9	23	<0.5	<0.005
W588217		4.8	12.4	706	49.6	0.053
W588218		2.2	11.1	89	89.5	<0.005
W588219		2.5	13.6	7420	41.2	0.229
W588220		1.8	11.7	74	57.1	0.006
W588221		5.5	11.3	887	31.0	0.372
W588222		1.2	13.3	89	63.0	0.007
W588223		3.1	11.7	1420	62.1	0.058
W588224		6.5	9.9	1020	58.7	0.174
W588225		0.1	0.8	22	0.5	<0.005
W588226		2.7	13.9	119	73.7	0.081
W588227		1.7	15.8	144	84.7	0.007
W588228		1.7	12.7	1320	103.5	0.022
W588229		1.6	10.2	114	64.0	0.008
W588230		1.6	11.0	87	63.6	<0.005
W588231		1.7	12.0	103	65.3	<0.005
W588232		49.6	11.0	141	63.9	0.008
W588233		2.6	13.0	1000	73.7	0.025
W588234		2.7	12.3	127	77.0	0.015



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 28-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17153301

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

CERTIFICATE WH17156917

Project: Klaza

P.O. No.: 17-082

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156917

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
W588307		2.71	1.19	6.42	161.5	990	1.36	0.52	2.93	5.07	45.7	5.8	9	13.15	19.4	2.81
W588308		2.36	1.03	6.44	73.8	1320	1.56	0.33	2.86	1.33	42.9	5.7	8	12.75	26.6	2.51
W588309		4.26	2.15	5.80	395	920	0.95	0.51	2.81	2.77	36.3	4.9	8	12.05	37.4	2.84
W588310		3.85	1.53	6.42	362	1000	1.55	0.35	2.33	7.57	48.3	5.6	8	20.2	27.1	2.93
W588311		3.94	0.41	6.36	39.6	680	1.21	0.38	2.40	0.59	42.5	7.0	8	22.2	66.7	2.11
W588312		4.64	5.95	6.87	267	490	1.42	6.18	3.41	78.5	51.3	9.5	6	36.0	125.0	4.21
W588313		<0.02	6.02	6.40	287	460	1.29	6.27	3.29	75.3	48.2	9.7	7	38.6	122.0	4.19
W588314		4.60	1.95	6.86	48.4	540	1.38	3.86	3.90	3.63	51.6	9.6	7	26.3	31.6	2.90
W588315		3.36	0.35	5.93	16.3	490	1.28	0.45	2.82	0.55	49.4	5.8	8	19.70	21.5	2.11
W588316		4.08	0.12	6.69	13.0	960	1.53	0.31	2.13	0.11	45.5	4.3	8	22.2	5.4	2.11
W588317		4.11	0.21	6.50	22.4	1040	1.52	0.35	2.34	0.20	42.7	5.3	8	15.05	10.8	2.18
W588318		1.97	8.77	6.44	245	340	1.55	2.05	1.02	48.2	49.7	7.0	7	9.86	10.9	4.84
W588319		6.02	0.01	0.09	<0.2	40	<0.05	0.09	20.6	0.07	1.09	0.7	<1	0.79	2.4	0.46
W588320		6.38	14.60	6.84	23.0	1320	1.57	0.34	3.13	1.55	67.2	6.1	30	27.6	28.2	2.33
W588321		12.74	0.22	6.98	17.5	2900	1.55	0.17	3.07	0.27	64.8	5.3	23	24.3	13.0	2.17
W588322		6.13	0.69	6.77	54.5	2120	1.81	0.22	3.67	0.35	61.5	5.6	23	27.5	14.2	2.40
W588323		0.26	4.67	6.67	735	450	1.40	3.48	2.03	10.75	50.1	11.8	25	13.60	321	5.06
W588324		3.03	25.2	6.14	1395	290	1.22	10.70	2.10	19.60	51.9	8.5	8	7.37	1585	6.11
W588325		3.94	2.88	6.93	577	620	1.53	1.70	1.96	2.95	55.2	5.6	9	18.95	174.5	3.05
W588326		2.68	18.65	6.70	673	630	1.37	20.9	2.46	4.24	48.0	9.6	8	13.10	127.0	4.57
W588327		4.86	0.24	6.98	30.5	1170	1.34	0.26	2.53	0.48	40.0	5.1	9	13.60	11.8	2.66
W588328		3.07	0.31	7.16	36.8	1200	1.40	0.30	2.31	0.60	38.0	5.1	9	12.85	11.9	2.80
W588329		10.25	1.02	7.15	77.1	1220	1.53	0.94	2.75	2.85	47.4	9.2	11	17.55	57.6	3.47
W588330		5.72	0.21	7.19	26.3	1010	1.49	0.28	2.97	0.18	48.0	6.6	10	21.1	94.1	2.58
W588331		3.31	0.70	5.86	25.4	1550	1.24	0.18	4.33	12.50	39.5	6.3	9	20.1	51.3	2.70
W588332		4.31	3.45	5.77	188.0	180	1.21	2.12	1.59	2.42	20.4	14.8	6	8.65	16.3	5.73
W588333		0.26	11.40	6.53	1555	130	1.41	11.90	1.78	33.1	45.8	17.0	19	13.80	295	6.53
W588334		3.54	0.82	6.45	45.6	2210	1.41	0.45	2.33	0.59	43.3	8.4	7	20.4	4.2	2.36
W588335		5.94	0.28	6.75	26.7	1320	1.79	0.28	1.65	0.21	37.0	6.1	8	21.2	4.6	2.32
W588336		5.54	0.19	7.18	16.2	3080	1.73	0.43	3.13	0.19	46.9	7.7	7	18.30	4.3	2.51
W588337		6.38	0.01	0.08	1.0	30	0.05	0.03	20.3	0.07	1.19	0.7	1	0.26	1.8	0.45
W588338		4.69	0.14	6.86	12.7	2580	1.22	0.48	5.26	0.15	49.2	6.9	6	14.50	4.1	2.06
W588339		1.76	0.41	5.60	35.8	880	1.60	0.63	4.48	0.16	50.7	13.5	4	45.9	8.9	2.47
W588340		4.89	0.23	7.25	16.1	1520	1.55	0.24	1.80	0.11	43.0	4.5	7	15.20	6.0	2.96
W588341		10.72	0.84	7.30	12.7	1950	1.63	0.25	2.30	0.99	46.5	3.9	8	14.95	3.8	2.90
W588342		4.34	1.11	6.72	26.6	1770	1.43	0.31	2.18	2.89	46.3	3.9	8	21.2	4.8	2.32



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156917

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588307		14.05	0.15	0.9	0.122	2.56	25.0	11.2	0.82	2720	3.36	1.06	7.5	3.4	370
W588308		13.80	0.11	0.9	0.054	2.55	23.1	16.4	0.81	2010	0.84	0.80	7.3	4.6	380
W588309		13.05	0.11	0.7	0.137	2.66	20.1	9.7	0.96	3810	2.50	0.21	6.2	3.1	310
W588310		13.35	0.09	1.0	0.160	2.96	28.2	8.5	0.78	4140	1.85	0.03	7.0	3.0	370
W588311		13.90	0.10	0.8	0.024	2.58	22.2	24.1	0.82	1040	132.0	0.05	8.2	3.3	380
W588312		14.50	0.10	0.8	0.449	3.10	29.8	19.6	0.96	3270	10.90	0.03	8.1	4.1	380
W588313		14.45	0.11	0.8	0.438	3.03	27.1	18.9	0.89	3090	11.80	0.03	7.6	3.9	370
W588314		14.65	0.12	0.9	0.091	3.33	28.9	12.0	1.08	3320	24.0	0.03	8.4	3.6	390
W588315		12.25	0.13	0.8	0.053	2.75	30.1	14.9	0.85	2350	4.29	0.03	7.4	2.7	340
W588316		14.00	0.12	0.8	0.063	3.14	23.7	23.0	0.64	1660	27.9	0.09	8.2	2.4	400
W588317		13.95	0.13	1.0	0.032	2.81	21.4	76.1	0.61	768	3.85	0.17	9.0	2.6	360
W588318		13.95	0.09	0.8	0.790	2.96	28.5	11.5	0.48	4230	9.47	0.04	7.6	3.2	350
W588319		0.32	0.23	<0.1	0.006	0.04	0.5	1.6	12.65	196	0.28	0.01	0.3	1.5	190
W588320		18.20	0.19	4.0	0.036	2.46	37.8	53.9	1.22	820	0.95	0.07	10.1	15.6	930
W588321		18.05	0.22	3.1	0.024	2.47	35.8	106.0	1.05	636	0.48	0.07	9.9	12.3	850
W588322		17.20	0.18	3.2	0.026	2.26	35.1	156.0	1.20	955	3.89	0.08	9.5	12.4	860
W588323		15.75	0.12	1.1	0.291	2.92	27.9	26.6	0.76	1980	13.60	0.15	6.0	14.7	530
W588324		13.45	0.11	0.7	1.185	2.94	30.3	12.7	0.86	6470	2.50	0.03	6.1	3.8	350
W588325		15.00	0.12	0.8	0.203	3.03	31.2	25.0	0.85	2410	1.14	0.04	7.5	3.4	450
W588326		14.65	0.12	0.6	0.250	3.18	26.2	12.2	0.95	3000	1.49	0.03	7.0	3.8	410
W588327		15.70	0.11	0.8	0.050	2.61	19.2	35.5	0.59	1560	1.28	0.10	7.6	2.8	450
W588328		15.50	0.10	0.8	0.066	2.71	17.9	32.6	0.54	1540	2.57	0.08	7.6	2.8	470
W588329		15.25	0.11	0.7	0.240	2.80	25.5	62.4	1.06	2180	5.85	0.06	7.9	4.2	490
W588330		15.40	0.12	0.8	0.035	2.21	24.6	80.5	0.95	771	10.20	0.24	7.9	3.5	470
W588331		12.15	0.13	0.6	0.330	2.18	20.9	59.8	1.37	1200	3.14	0.07	6.1	3.6	370
W588332		11.40	0.09	0.8	0.165	2.41	10.4	26.9	0.50	1240	3.01	0.06	4.8	2.5	310
W588333		15.10	0.10	1.0	0.804	2.83	23.4	21.1	0.74	1860	8.80	0.12	6.1	12.0	520
W588334		14.40	0.12	1.1	0.044	2.61	22.9	42.1	0.82	1660	1.95	0.02	6.7	2.5	470
W588335		15.40	0.10	1.2	0.032	2.73	17.1	163.5	0.48	770	1.30	0.06	7.6	2.2	560
W588336		15.75	0.14	1.1	0.048	2.52	23.9	55.4	0.88	587	0.44	0.21	7.8	2.1	590
W588337		0.28	0.25	<0.1	0.005	0.03	0.6	1.7	12.25	196	0.10	<0.01	0.1	1.6	170
W588338		13.75	0.21	1.2	0.044	2.02	26.7	41.4	1.12	614	0.34	0.06	7.2	1.8	500
W588339		13.20	0.16	0.8	0.062	1.42	29.0	47.2	1.10	802	0.21	0.05	5.5	2.8	350
W588340		15.85	0.15	1.4	0.047	2.45	20.9	42.1	0.59	360	0.66	0.52	8.3	2.0	570
W588341		15.75	0.14	1.6	0.049	2.57	23.1	20.1	0.70	709	0.90	1.34	8.7	2.0	540
W588342		15.75	0.11	1.2	0.058	2.71	24.7	52.6	0.57	1060	1.63	0.06	7.5	1.9	510



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17156917

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W588307		116.5	<0.002	0.39	11.45	8.0	1	1.1	222	0.71	<0.05	15.20	0.198	1.25	3.2	62
W588308		129.5	0.002	0.29	16.65	7.6	<1	1.1	198.5	0.76	<0.05	15.30	0.198	1.41	4.4	61
W588309		156.0	0.002	0.69	26.5	6.5	1	1.1	84.4	0.58	0.05	12.45	0.167	1.50	3.0	53
W588310		171.0	0.004	0.80	23.9	7.2	1	1.2	56.9	0.67	0.06	14.95	0.192	1.77	5.8	57
W588311		111.5	0.011	0.46	17.55	7.6	1	1.5	139.5	0.84	0.06	14.60	0.213	1.88	4.1	59
W588312		203	0.003	2.82	20.4	7.6	1	3.1	92.6	0.68	0.08	15.90	0.206	2.40	4.2	69
W588313		174.0	0.002	2.92	19.70	7.2	1	2.9	92.5	0.68	0.14	15.35	0.200	2.33	4.2	69
W588314		184.5	0.005	0.88	10.80	7.7	1	2.8	104.0	0.78	0.11	16.90	0.220	2.41	3.5	77
W588315		166.0	0.002	0.16	8.91	7.1	<1	1.5	98.9	0.71	<0.05	15.75	0.186	1.71	5.1	54
W588316		167.0	0.002	0.27	10.65	7.8	1	1.4	102.0	0.91	<0.05	15.80	0.210	2.09	4.6	62
W588317		119.5	0.004	0.10	16.85	7.2	1	1.3	172.0	0.97	<0.05	17.60	0.197	1.58	5.5	56
W588318		169.5	0.004	2.98	29.5	7.1	1	4.0	61.7	0.76	<0.05	17.50	0.186	2.37	7.5	53
W588319		3.3	<0.002	<0.01	0.06	0.1	1	0.3	46.2	<0.05	<0.05	0.12	<0.005	0.03	0.7	2
W588320		120.0	<0.002	0.14	25.7	5.3	1	1.5	367	0.68	<0.05	11.50	0.267	2.27	6.0	51
W588321		137.5	<0.002	0.11	17.10	5.2	<1	1.6	392	0.71	<0.05	11.85	0.244	2.17	6.5	47
W588322		110.0	<0.002	0.15	15.65	5.1	1	1.5	390	0.67	<0.05	10.90	0.241	1.88	5.5	50
W588323		163.0	0.002	2.68	29.4	8.9	1	5.9	110.5	0.49	0.36	11.75	0.207	2.60	5.3	67
W588324		211	0.002	4.40	184.5	6.8	<1	4.9	58.1	0.51	0.05	14.60	0.188	3.06	3.6	55
W588325		185.5	<0.002	0.91	27.9	9.0	1	2.5	158.5	0.67	0.05	15.70	0.230	2.84	5.4	71
W588326		206	0.004	2.35	32.9	8.3	<1	4.0	79.1	0.63	0.07	13.50	0.226	3.04	3.2	72
W588327		103.0	<0.002	0.18	10.10	8.5	2	2.0	136.0	0.69	<0.05	14.85	0.241	1.58	3.5	71
W588328		103.0	<0.002	0.38	11.30	8.4	1	1.9	129.5	0.69	<0.05	13.30	0.245	1.67	3.7	72
W588329		140.5	0.004	0.62	16.45	9.9	1	2.4	160.0	0.68	0.06	13.55	0.249	2.65	4.3	76
W588330		100.5	0.002	0.14	21.6	9.3	1	1.8	216	0.76	<0.05	14.40	0.245	1.54	4.3	75
W588331		110.5	0.003	0.24	29.4	7.5	<1	1.3	215	0.53	<0.05	11.85	0.199	1.85	2.7	62
W588332		140.0	<0.002	5.22	11.25	5.7	1	3.1	67.1	0.42	1.34	8.76	0.152	1.99	3.9	45
W588333		164.5	0.003	4.61	66.2	8.8	2	8.4	95.3	0.49	1.12	11.35	0.207	2.60	5.2	62
W588334		141.0	<0.002	0.94	17.90	8.1	1	1.9	101.0	0.57	0.20	13.95	0.205	2.70	7.2	56
W588335		99.7	<0.002	0.66	20.8	9.3	<1	1.8	124.5	0.61	0.26	11.35	0.242	1.99	4.8	64
W588336		93.3	<0.002	0.52	9.57	9.3	1	2.1	227	0.61	0.29	15.95	0.247	1.68	5.5	59
W588337		1.5	<0.002	<0.01	0.07	0.2	<1	<0.2	47.0	<0.05	<0.05	0.15	<0.005	<0.02	0.5	2
W588338		85.2	0.002	0.47	15.05	7.7	1	1.7	252	0.65	0.22	15.90	0.206	1.22	4.3	50
W588339		85.9	<0.002	0.75	50.4	6.7	2	2.1	141.0	0.51	0.23	12.40	0.163	1.29	10.9	46
W588340		102.0	0.002	0.08	4.89	9.1	1	2.3	148.5	0.80	0.09	16.05	0.234	1.43	4.2	60
W588341		109.5	<0.002	0.11	5.45	9.1	1	1.9	229	0.94	0.06	15.80	0.232	1.56	5.3	56
W588342		116.5	<0.002	0.20	15.70	8.5	1	2.1	96.6	0.69	0.08	12.95	0.218	2.23	3.4	58



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156917

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588307		1.3	11.2	533	25.2	0.041
W588308		1.4	10.9	140	21.7	0.094
W588309		2.7	8.1	267	20.5	0.126
W588310		3.5	9.7	632	24.2	0.042
W588311		22.2	10.7	66	18.9	<0.005
W588312		12.2	11.4	7030	20.1	0.305
W588313		12.1	10.4	7010	19.1	0.345
W588314		13.8	11.7	375	21.3	0.024
W588315		7.3	10.3	78	19.6	0.005
W588316		11.8	10.2	40	19.4	0.006
W588317		4.7	11.6	45	23.0	<0.005
W588318		5.4	9.0	3460	20.1	0.241
W588319		0.1	0.8	18	0.5	<0.005
W588320		2.7	11.1	165	163.0	0.012
W588321		2.5	10.9	83	120.0	<0.005
W588322		4.5	10.5	87	123.5	<0.005
W588323		5.3	11.3	893	28.7	0.339
W588324		6.1	7.2	2010	17.5	0.495
W588325		4.4	11.1	345	18.3	0.098
W588326		6.9	9.0	419	15.5	0.462
W588327		8.6	11.1	82	18.4	0.012
W588328		8.4	10.4	85	19.0	0.008
W588329		6.4	13.0	260	14.6	0.021
W588330		4.9	14.0	51	17.2	<0.005
W588331		3.2	11.3	930	12.2	0.013
W588332		3.7	8.7	233	20.3	0.249
W588333		5.7	11.0	2440	27.2	0.808
W588334		4.6	12.4	85	32.6	0.015
W588335		2.7	11.3	61	34.5	0.009
W588336		2.2	15.7	60	31.2	0.006
W588337		<0.1	0.8	16	<0.5	<0.005
W588338		1.7	15.7	51	32.5	0.007
W588339		1.9	16.6	52	25.3	0.022
W588340		1.9	14.8	47	40.8	<0.005
W588341		1.7	14.6	170	40.6	<0.005
W588342		2.0	11.9	225	33.5	0.153



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 2-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17156917

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

CERTIFICATE WH17156919

Project: Klaza

P.O. No.: 17-070

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
BAG-06	Double Bagging Coarse Rejects
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156919

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588163		8.21	0.42	7.10	28.7	1610	1.54	0.55	3.54	0.27	44.3	6.3	10	27.6	39.8	3.48
W588164		4.50	0.64	7.74	14.4	2290	1.58	0.20	3.29	0.35	47.6	6.5	13	13.40	32.4	3.52
W588165		7.79	0.57	7.57	28.0	1510	1.76	0.29	3.41	0.54	48.5	8.1	10	27.0	41.5	3.45
W588166		8.43	0.26	7.54	29.4	2160	1.70	0.32	3.89	0.31	51.5	6.6	12	27.5	16.1	3.02
W588167		3.86	0.91	7.04	999	1540	1.56	0.27	3.29	1.53	51.0	5.0	7	21.8	29.6	2.94
W588168		13.35	0.20	7.32	126.0	1870	1.64	0.17	2.92	0.19	48.6	7.0	11	21.0	32.0	3.10
W588169		4.02	0.38	6.92	174.0	1310	1.70	0.23	2.77	0.36	46.5	6.1	8	21.2	46.7	2.67
W588170		0.26	4.31	6.86	758	350	1.52	3.21	2.12	10.05	49.3	11.1	26	13.80	327	5.21
W588171		4.03	1.03	7.20	121.5	2260	1.91	0.28	3.95	4.80	71.4	5.5	10	24.4	42.6	2.69
W588172		5.70	0.39	7.40	37.1	1480	1.60	0.42	3.18	0.23	52.9	5.9	8	24.6	31.5	2.99
W588173		15.26	13.50	7.08	60.4	2860	1.51	0.80	2.73	2.38	46.9	9.3	8	17.60	38.1	4.14
W588174		<0.02	14.35	6.93	48.6	2870	1.49	0.60	2.83	2.26	47.3	8.5	8	17.65	42.0	3.91
W588175		13.72	1.48	6.96	37.1	2370	1.66	2.74	2.78	0.95	47.5	12.0	8	14.95	4.1	3.82
W588176		11.98	0.30	7.22	20.3	1570	1.40	0.83	3.07	0.23	46.6	8.6	9	18.05	7.7	3.53
W588177		7.84	0.54	7.05	34.6	4120	1.74	1.19	3.40	0.20	49.9	12.3	9	23.2	7.9	3.14
W588178		13.83	0.29	7.24	22.5	1610	1.60	0.80	2.88	0.15	50.5	12.1	8	17.80	13.1	3.33
W588179		6.00	0.01	0.08	<0.2	60	0.05	0.03	22.6	0.06	1.14	0.9	<1	0.26	2.8	0.52
W588180		7.16	0.09	7.29	15.1	1930	1.50	0.22	2.94	0.09	50.1	6.9	8	18.95	5.8	3.01
W588181		2.01	2.18	8.64	19.4	630	1.18	1.76	0.41	3.08	54.2	6.9	14	15.65	144.5	3.44
W588182		5.38	0.46	6.42	18.9	920	1.29	0.30	2.91	1.93	33.7	8.0	12	12.20	41.6	3.25
W588183		7.68	0.06	8.18	3.2	1120	1.35	0.17	2.59	0.46	48.9	9.0	15	12.25	20.6	3.47
W588184		3.99	0.07	7.80	10.4	1020	1.89	0.33	2.86	1.79	29.2	10.5	21	19.25	22.2	4.50
W588185		1.75	0.07	7.98	12.3	1100	1.88	0.37	2.69	1.68	29.7	11.3	21	19.70	36.6	4.46
W588186		3.16	0.13	6.94	9.9	1020	2.58	0.25	1.96	1.04	39.8	9.3	23	16.40	29.9	2.98
W588187		9.42	0.10	7.52	8.2	1150	1.45	0.23	2.30	0.63	27.3	8.3	14	11.45	26.0	3.30
W588188		10.41	0.07	7.10	6.4	1230	1.26	0.14	3.19	0.38	37.5	8.8	13	9.73	33.8	3.15
W588189		0.27	9.44	6.79	1925	150	1.55	5.50	1.97	45.3	44.3	18.5	21	16.90	115.5	5.42
W588190		6.23	0.09	7.37	10.7	1300	1.42	0.17	4.04	0.16	42.6	9.5	14	14.90	17.7	3.30
W588191		2.69	0.08	7.11	20.2	1320	2.31	0.24	3.57	0.24	56.7	5.4	20	27.3	14.5	2.87
W588192		9.46	0.48	7.52	30.3	1270	1.30	0.94	2.90	0.76	44.0	9.9	16	11.10	10.2	4.41
W588193		7.09	0.08	0.09	<0.2	30	0.06	0.03	22.1	0.06	1.31	0.9	<1	0.27	2.4	0.50
W588194		6.37	0.04	7.65	2.4	1280	1.18	0.11	3.14	0.21	48.3	7.8	15	6.52	6.3	3.04
W588195		9.97	1.40	7.75	7.5	1210	1.34	0.21	3.62	0.57	49.3	8.8	17	10.50	20.9	3.33
W588196		4.23	0.50	7.85	286	1010	1.38	0.40	2.32	1.25	44.4	9.7	14	14.15	22.9	3.35
W588197		3.47	27.7	5.94	805	80	0.82	14.35	0.36	21.3	28.7	10.1	10	8.09	89.9	6.49
W588198		7.07	11.95	5.86	98.9	1790	1.37	3.39	3.98	27.6	42.5	7.8	13	20.1	98.7	2.92



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156919

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588163		14.65	0.19	1.2	0.077	2.57	21.0	28.4	1.12	897	3.99	0.74	7.0	4.3	670
W588164		15.65	0.22	1.2	0.071	2.80	23.1	13.1	0.95	847	4.07	1.96	7.5	5.3	700
W588165		15.60	0.18	1.2	0.065	2.05	23.0	29.1	0.92	990	1.89	1.16	7.6	3.7	710
W588166		16.40	0.23	1.5	0.072	2.74	24.0	29.4	0.95	966	2.10	0.72	9.4	4.5	780
W588167		13.45	0.21	1.2	0.094	2.93	27.2	12.3	1.10	2180	11.05	0.06	7.4	3.0	560
W588168		15.40	0.18	1.2	0.059	2.53	23.4	38.6	0.84	815	4.19	0.88	7.8	4.9	680
W588169		14.60	0.19	1.5	0.082	2.09	22.7	58.5	0.80	904	3.23	0.05	7.9	3.1	600
W588170		14.10	0.19	1.0	0.306	3.01	27.1	26.5	0.80	1980	14.50	0.15	5.9	14.8	550
W588171		15.75	0.21	2.7	0.106	1.92	36.3	151.0	1.21	1420	4.44	0.12	10.8	4.7	920
W588172		14.30	0.19	1.2	0.065	2.49	27.7	39.7	1.09	1160	2.07	0.07	7.1	2.8	600
W588173		13.70	0.19	1.1	0.293	2.82	24.5	21.9	1.05	3830	2.25	0.05	6.6	3.2	570
W588174		13.90	0.19	1.2	0.248	2.76	24.8	22.0	1.05	3610	2.42	0.05	6.9	2.7	620
W588175		14.00	0.17	1.2	0.136	2.64	23.9	40.2	0.89	1880	1.89	0.03	7.0	3.8	620
W588176		15.80	0.17	1.2	0.072	2.76	23.4	67.2	1.08	788	1.57	0.21	6.7	3.0	660
W588177		15.65	0.17	1.5	0.094	2.93	26.0	24.4	1.07	952	3.08	0.06	8.3	3.7	730
W588178		16.00	0.18	1.3	0.117	2.75	27.0	33.2	1.04	862	4.26	0.06	7.2	3.2	700
W588179		0.32	0.13	<0.1	<0.005	0.03	0.5	0.9	13.65	227	0.20	<0.01	0.1	1.8	180
W588180		15.45	0.21	1.1	0.073	2.67	26.3	81.2	1.03	668	1.46	0.09	7.1	2.7	640
W588181		16.70	0.18	0.7	0.146	2.35	27.7	19.8	0.27	1130	9.25	0.94	9.0	5.4	620
W588182		15.15	0.16	0.6	0.144	2.45	15.7	19.3	0.43	1350	8.46	0.23	8.3	4.9	550
W588183		16.45	0.18	0.7	0.049	1.77	24.7	17.4	0.90	664	1.87	2.31	11.7	5.8	700
W588184		18.85	0.14	1.3	0.080	1.95	11.5	34.3	0.34	1090	12.55	0.45	27.0	9.2	1250
W588185		18.60	0.16	1.3	0.070	2.05	12.1	35.0	0.31	1160	13.95	0.30	26.5	9.3	1250
W588186		19.85	0.16	5.4	0.048	2.09	18.8	54.9	0.29	625	10.25	0.09	14.2	13.8	1250
W588187		17.50	0.16	0.7	0.052	2.28	12.2	31.8	0.33	598	4.87	0.51	10.2	5.6	620
W588188		16.15	0.17	0.7	0.032	2.26	17.9	20.7	0.54	654	2.76	1.16	8.9	5.0	560
W588189		15.30	0.16	1.3	0.959	2.96	22.6	23.9	0.72	2050	12.10	0.28	7.1	16.3	520
W588190		15.65	0.16	1.0	0.035	1.93	22.1	17.2	0.96	864	2.86	1.98	8.4	5.9	620
W588191		17.25	0.18	4.2	0.033	2.26	28.5	35.5	0.95	824	1.82	0.29	12.1	7.8	1130
W588192		15.85	0.17	0.7	0.097	2.65	22.9	15.4	0.97	1060	2.00	1.24	8.1	5.6	590
W588193		0.39	0.16	<0.1	0.005	0.03	0.6	1.0	13.40	205	0.07	0.01	0.2	1.6	210
W588194		15.45	0.21	0.6	0.032	2.31	25.8	7.7	0.99	684	0.73	2.19	7.0	4.6	520
W588195		15.85	0.17	0.7	0.035	2.26	26.1	10.5	1.06	849	1.02	2.10	8.0	5.0	570
W588196		17.00	0.18	0.7	0.083	2.60	21.6	46.7	0.70	2340	0.90	0.26	8.2	5.6	620
W588197		13.45	0.12	0.5	0.199	2.66	14.1	22.0	0.25	675	0.98	0.03	5.8	5.4	320
W588198		12.60	0.14	1.6	0.228	1.91	22.7	81.5	1.51	1620	2.98	0.06	6.6	9.3	550



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156919

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W588163		100.0	0.008	0.15	9.43	12.4	1	1.4	276	0.51	<0.05	10.00	0.279	1.27	3.5	83
W588164		111.0	0.010	0.11	3.09	13.2	1	1.2	410	0.57	<0.05	12.20	0.291	1.10	3.6	85
W588165		79.2	0.002	0.16	7.85	13.3	1	2.2	371	0.58	<0.05	12.60	0.302	1.02	3.8	87
W588166		87.0	0.004	0.16	5.13	12.0	1	1.6	323	0.64	<0.05	11.90	0.312	1.20	4.5	84
W588167		147.0	0.017	0.80	12.75	10.0	1	1.4	158.0	0.61	<0.05	14.50	0.242	2.05	5.9	68
W588168		103.0	0.006	0.22	7.47	13.5	1	1.4	279	0.55	<0.05	12.25	0.288	1.32	3.4	83
W588169		84.2	0.006	0.28	20.2	10.1	1	2.8	172.5	0.70	<0.05	15.15	0.244	1.51	3.5	72
W588170		153.5	0.004	2.78	30.3	9.2	1	5.4	109.5	0.48	0.35	11.85	0.213	2.28	4.7	69
W588171		93.3	0.003	0.39	10.95	5.8	1	4.9	337	0.81	<0.05	14.70	0.245	1.26	5.8	45
W588172		116.0	0.003	0.14	9.70	10.5	1	2.4	219	0.58	0.05	15.85	0.251	1.62	3.3	70
W588173		146.0	0.002	0.76	11.45	10.4	1	2.7	170.5	0.54	<0.05	12.70	0.245	1.93	4.5	71
W588174		139.0	<0.002	0.58	13.00	10.7	1	2.4	185.0	0.54	<0.05	12.95	0.251	1.86	5.1	72
W588175		133.5	<0.002	1.15	7.51	11.6	1	1.8	123.0	0.58	0.10	13.50	0.257	1.90	3.6	75
W588176		80.0	0.002	0.36	8.40	11.4	1	3.9	236	0.53	<0.05	11.35	0.268	1.55	3.9	81
W588177		123.5	0.002	0.59	8.14	9.1	1	3.1	271	0.63	<0.05	11.80	0.269	1.95	5.4	70
W588178		130.5	<0.002	0.27	6.85	9.5	1	3.6	206	0.58	<0.05	12.25	0.255	1.71	3.4	70
W588179		1.4	<0.002	<0.01	0.20	0.2	1	<0.2	49.3	<0.05	<0.05	0.08	<0.005	0.02	0.5	2
W588180		111.0	<0.002	0.19	7.43	10.1	1	1.8	193.0	0.63	<0.05	13.30	0.264	1.67	3.4	77
W588181		141.5	<0.002	0.01	5.76	12.5	1	3.1	89.4	0.68	<0.05	14.65	0.307	1.25	2.6	95
W588182		118.0	<0.002	0.25	11.15	10.0	1	4.0	88.2	0.62	<0.05	8.90	0.289	1.27	1.8	95
W588183		77.0	<0.002	0.01	2.29	13.0	1	3.6	379	0.81	<0.05	12.10	0.353	0.58	1.6	103
W588184		67.7	<0.002	0.01	6.69	14.7	1	5.0	157.5	1.64	<0.05	7.38	0.570	0.77	3.1	140
W588185		73.0	<0.002	<0.01	7.20	14.4	1	5.2	141.5	1.60	<0.05	7.76	0.567	0.79	3.0	140
W588186		74.0	<0.002	0.02	11.75	5.5	1	2.4	75.3	0.93	<0.05	9.58	0.349	0.75	5.6	70
W588187		81.0	<0.002	0.03	8.20	12.1	1	2.1	148.5	0.72	<0.05	10.35	0.341	0.78	1.7	107
W588188		75.8	<0.002	0.08	7.29	11.5	1	1.4	242	0.71	<0.05	10.40	0.301	0.67	1.9	94
W588189		156.5	<0.002	3.23	36.7	8.6	1	5.8	150.5	0.61	0.36	12.10	0.219	2.36	4.7	61
W588190		83.1	<0.002	0.10	1.97	11.0	1	1.3	377	0.70	<0.05	12.05	0.300	0.66	2.9	92
W588191		102.5	<0.002	0.07	7.60	7.0	1	1.6	207	0.84	<0.05	11.40	0.332	1.22	5.8	72
W588192		121.5	<0.002	0.70	6.35	11.9	1	1.6	248	0.64	<0.05	12.25	0.296	1.14	3.0	94
W588193		1.6	<0.002	<0.01	0.07	0.2	1	<0.2	49.1	<0.05	<0.05	0.13	<0.005	0.02	0.6	3
W588194		90.1	<0.002	0.02	1.01	10.0	1	1.1	367	0.77	<0.05	12.40	0.275	0.67	2.3	87
W588195		94.2	<0.002	0.15	2.61	11.2	1	1.3	373	0.98	<0.05	11.40	0.300	0.76	3.5	96
W588196		101.5	<0.002	0.38	11.25	11.1	1	2.2	139.5	0.68	<0.05	12.10	0.317	1.41	1.9	101
W588197		138.0	<0.002	6.39	33.0	8.4	1	4.4	30.9	0.49	0.33	5.94	0.228	2.13	1.2	72
W588198		88.4	<0.002	0.79	15.80	6.5	1	2.8	326	0.53	<0.05	8.83	0.223	1.69	4.1	58



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17156919

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588163		2.1	17.1	76	37.0	0.015
W588164		1.5	18.1	84	39.8	0.021
W588165		1.3	18.0	129	40.6	0.006
W588166		1.5	17.3	84	53.5	0.007
W588167		3.7	14.7	220	40.4	0.320
W588168		2.2	17.6	56	38.2	0.036
W588169		3.7	15.4	86	46.5	0.046
W588170		5.1	12.4	905	31.5	0.344
W588171		1.6	15.9	594	104.5	0.252
W588172		2.3	16.7	73	35.6	0.012
W588173		2.5	13.4	343	36.6	0.092
W588174		2.3	14.0	335	38.7	0.070
W588175		2.8	15.0	131	38.2	0.025
W588176		1.4	15.1	66	36.6	0.012
W588177		3.1	13.6	61	49.6	0.009
W588178		2.5	13.5	61	42.7	0.007
W588179		0.1	0.8	18	<0.5	<0.005
W588180		1.1	14.8	51	31.1	<0.005
W588181		3.9	15.7	528	17.4	0.007
W588182		5.2	12.0	261	16.0	0.010
W588183		2.2	15.0	112	17.7	<0.005
W588184		4.8	14.4	259	45.1	<0.005
W588185		5.2	14.8	266	45.3	<0.005
W588186		4.1	12.3	196	233	<0.005
W588187		6.8	10.6	136	19.5	<0.005
W588188		2.4	13.6	79	17.9	<0.005
W588189		5.3	12.0	3160	42.2	0.810
W588190		2.0	16.0	52	29.9	<0.005
W588191		1.9	13.1	89	175.5	<0.005
W588192		4.3	12.6	151	21.6	0.013
W588193		0.1	0.8	19	1.1	<0.005
W588194		1.2	14.0	67	12.7	<0.005
W588195		1.2	15.8	101	12.2	0.019
W588196		6.4	14.4	417	13.8	0.017
W588197		8.1	5.8	1890	10.8	0.870
W588198		3.1	10.7	2300	65.0	0.077



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17156919

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

CERTIFICATE WH17156921

Project: Klaza

P.O. No.: 17-079

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156921

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V341501		4.22	0.30	7.26	15.7	1010	2.02	0.28	3.16	1.86	47.2	6.2	10	34.8	9.8	2.61
V341502		1.51	2.21	7.21	131.0	1080	1.92	1.18	1.61	11.50	47.8	8.1	10	26.9	25.2	3.13
V341503		3.78	0.16	7.31	23.0	1290	1.85	0.25	2.11	0.41	41.0	5.3	11	21.7	8.3	2.66
V341504		6.19	0.39	7.35	51.5	1330	1.82	0.25	2.64	0.58	51.4	4.8	11	20.6	7.2	2.59
V341505		3.58	1.99	6.85	118.5	1720	1.91	0.89	2.35	8.54	42.5	5.4	9	23.2	24.5	2.68
V341506		<0.02	1.81	7.02	116.0	1500	1.75	0.89	2.47	9.05	50.9	5.5	9	23.4	24.0	2.80
V341507		5.47	1.36	7.24	127.0	490	1.66	1.04	2.35	2.38	42.3	9.0	14	21.7	8.2	4.24
V341508		1.74	2.63	7.34	723	1640	1.95	0.75	1.88	15.65	44.6	8.1	9	27.4	44.8	3.36
V341509		8.84	0.17	7.22	40.2	880	1.89	0.09	2.85	0.10	47.7	6.5	11	23.4	7.6	2.44
V341510		5.26	0.18	6.95	12.4	2070	1.39	0.63	2.57	0.37	32.7	7.8	11	9.89	5.1	2.66
V341511		7.29	0.59	7.45	25.6	960	1.42	1.03	2.07	0.75	34.5	7.4	11	11.55	3.8	2.92
V341512		2.85	5.02	7.11	205	1610	1.25	2.35	3.51	18.10	48.2	8.6	10	18.70	25.4	3.53
V341513		7.10	0.02	0.08	0.3	40	<0.05	0.04	21.5	0.12	1.07	0.7	1	0.19	1.4	0.48
V341514		4.96	0.18	7.24	14.0	2260	1.38	0.34	2.75	0.55	55.0	7.4	10	13.15	4.9	2.76
V341515		8.74	6.15	7.35	236	1230	1.43	1.22	1.92	20.2	52.5	6.4	10	18.00	40.3	3.49
V341516		9.54	1.02	7.28	88.3	1610	1.39	0.54	2.36	5.75	49.1	10.5	10	17.00	19.9	3.08
V341517		6.44	0.47	7.17	55.7	1660	1.37	0.43	2.76	1.31	51.1	8.9	10	13.60	24.2	3.04
V341518		9.84	0.11	7.53	9.5	2210	1.51	0.19	2.59	0.19	51.7	5.9	10	17.90	7.0	3.02
V341519		7.73	0.35	7.20	27.6	1190	1.69	1.06	2.53	0.39	48.0	9.8	9	17.85	41.3	2.96
V341520		3.94	2.83	5.91	376	760	1.48	0.85	2.63	39.6	42.8	8.1	9	20.9	34.9	4.06
V341521		3.79	0.33	7.48	26.0	1270	1.54	0.68	1.64	0.45	51.5	10.5	10	19.05	27.5	3.18
V341522		11.00	0.70	7.45	39.8	1250	1.42	0.89	2.02	2.14	54.4	7.7	10	13.90	19.4	3.10
V341523		2.75	18.80	6.08	915	560	1.35	6.99	1.96	56.9	36.5	11.5	8	10.95	197.5	5.70
V341524		0.26	40.1	6.04	2570	560	1.12	36.5	1.74	46.9	36.4	17.5	22	10.25	1195	9.47
V341525		7.62	1.28	7.86	50.6	1200	1.66	0.92	1.81	2.94	55.4	6.9	10	17.65	16.4	3.14
V341526		7.41	1.85	7.57	90.0	530	1.65	1.03	3.03	5.72	56.2	11.9	10	21.4	13.2	4.53
V341527		3.56	13.40	6.89	211	920	1.65	7.43	2.14	41.2	48.9	8.7	9	31.6	227	3.70
V341528		5.95	0.19	6.84	49.6	1580	1.63	0.19	1.40	0.33	67.9	6.7	22	22.0	7.7	2.70
V341529		4.60	1.78	7.65	58.7	1000	1.50	1.65	2.06	14.75	65.5	6.3	11	14.60	66.6	3.79
V341530		0.26	12.15	6.77	1595	1210	1.38	12.65	1.92	33.6	45.6	18.5	19	13.80	288	6.73
V341531		7.05	0.21	7.77	22.7	2150	1.33	0.39	1.83	0.24	52.5	4.9	10	13.85	13.1	2.83
V341532		10.64	0.36	7.33	12.0	2680	1.28	0.98	2.13	1.66	45.0	8.6	12	9.58	13.4	2.63
V341533		8.95	1.11	7.72	58.9	550	1.32	1.44	1.61	4.00	49.3	8.3	11	11.55	13.9	4.31
V341534		2.50	6.81	6.66	483	330	1.21	6.59	0.34	21.1	45.4	10.1	11	6.57	73.1	6.02
V341535		7.15	0.01	0.07	1.0	20	0.10	0.02	21.4	0.08	1.11	0.9	<1	0.14	3.0	0.50
V341536		5.54	0.97	7.53	54.6	990	1.79	0.48	2.01	3.08	53.9	7.0	11	17.50	13.4	3.13



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156921

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V341501		17.60	0.10	3.6	0.072	2.76	22.4	139.0	0.95	685	0.74	0.07	9.2	4.1	780
V341502		15.80	0.09	2.2	0.169	3.01	26.1	56.0	0.66	947	1.41	0.04	7.5	3.3	600
V341503		15.95	0.10	1.3	0.064	2.97	19.3	139.5	0.70	821	0.61	0.05	7.0	2.3	570
V341504		16.15	0.10	1.1	0.074	3.22	28.4	65.9	0.81	1090	0.56	0.06	7.0	2.2	590
V341505		15.30	0.09	1.2	0.178	2.94	20.8	25.7	0.75	1460	3.03	0.04	6.5	2.2	510
V341506		15.10	0.10	1.3	0.187	2.92	28.9	22.0	0.81	1520	2.56	0.04	6.7	2.2	550
V341507		15.40	0.07	1.2	0.080	3.12	20.3	17.2	0.81	1590	2.01	0.04	5.9	2.8	550
V341508		15.45	0.09	1.8	0.191	2.55	22.1	28.2	0.76	1320	5.56	0.04	7.2	2.9	590
V341509		17.70	0.09	3.3	0.041	2.92	23.2	64.7	1.05	745	2.17	0.05	8.8	4.0	730
V341510		16.60	0.08	1.3	0.044	2.96	14.5	124.5	0.45	613	0.28	0.17	7.3	2.4	590
V341511		15.85	0.09	1.2	0.076	3.48	16.2	32.6	0.63	1080	1.18	0.08	6.1	2.1	580
V341512		15.75	0.14	1.9	0.389	2.95	28.4	31.2	1.13	1030	1.86	0.04	7.2	3.0	630
V341513		0.29	0.16	<0.1	0.012	0.03	0.5	1.2	13.25	209	0.06	<0.01	0.1	1.2	190
V341514		16.20	0.12	1.2	0.039	2.79	28.2	28.3	0.64	503	0.96	1.52	7.7	2.6	570
V341515		16.60	0.13	1.9	0.292	3.05	27.4	102.5	0.78	1600	6.06	0.04	7.6	3.0	590
V341516		17.20	0.14	1.2	0.109	3.03	23.7	59.7	0.62	954	1.89	0.40	8.0	2.5	580
V341517		16.35	0.14	1.1	0.084	2.92	26.2	63.7	0.80	1060	1.67	0.32	7.6	2.5	590
V341518		17.05	0.14	1.3	0.057	2.89	25.8	29.6	0.64	553	0.81	1.62	8.3	2.3	610
V341519		16.70	0.19	1.1	0.116	2.39	23.4	149.5	0.71	751	0.67	0.15	7.8	2.4	610
V341520		15.05	0.13	0.9	0.219	2.46	21.4	23.2	0.91	2700	2.02	0.03	5.5	2.6	410
V341521		16.80	0.12	1.1	0.146	2.47	25.7	82.7	0.57	905	0.45	0.04	8.1	2.9	590
V341522		17.00	0.17	1.2	0.139	3.41	27.0	19.4	0.68	1160	0.95	0.19	7.7	2.5	560
V341523		13.95	0.12	1.1	0.898	2.79	18.4	21.2	0.78	2290	11.50	0.03	5.6	2.2	410
V341524		14.60	0.12	0.8	1.590	2.73	18.1	17.5	0.71	2410	17.60	0.06	4.9	15.2	450
V341525		17.20	0.12	1.2	0.121	3.00	29.8	66.8	0.73	1240	2.36	0.04	7.8	2.4	570
V341526		18.70	0.14	1.2	0.159	3.64	28.1	15.0	0.97	3080	5.19	0.03	8.1	3.0	600
V341527		16.05	0.14	1.5	1.065	2.99	25.2	23.6	0.83	2670	10.70	0.03	7.1	3.3	520
V341528		18.45	0.15	4.1	0.033	2.35	35.9	204	0.77	836	2.29	0.04	9.9	7.1	1120
V341529		17.90	0.15	1.2	0.771	3.04	34.4	111.0	0.75	1280	0.88	0.04	7.5	2.8	590
V341530		15.85	0.12	1.1	0.804	2.95	22.9	21.3	0.80	1860	9.30	0.13	6.5	12.8	530
V341531		17.90	0.14	1.3	0.072	3.01	26.3	34.4	0.57	672	1.31	0.56	8.4	2.1	580
V341532		17.85	0.15	1.1	0.163	2.88	21.8	46.6	0.56	751	0.67	0.13	8.2	2.4	610
V341533		17.85	0.15	1.1	0.177	3.26	25.3	32.5	0.66	1210	1.66	0.14	6.8	2.6	600
V341534		15.40	0.13	1.0	0.442	3.21	23.7	10.0	0.34	410	3.79	0.03	5.6	2.6	480
V341535		0.25	0.16	<0.1	<0.005	0.03	0.5	1.4	13.65	215	0.12	<0.01	0.1	1.5	170
V341536		17.15	0.15	1.2	0.091	2.92	27.2	121.0	0.75	1980	1.23	0.04	7.9	2.6	570



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156921

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V341501		93.3	<0.002	0.05	21.8	7.3	<1	1.5	351	0.69	<0.05	9.25	0.307	1.61	5.1	72
V341502		144.5	<0.002	1.67	24.4	8.3	<1	3.2	174.5	0.59	0.05	11.45	0.253	2.45	6.9	65
V341503		125.5	<0.002	0.42	14.05	9.1	<1	1.7	135.5	0.61	0.05	11.90	0.243	2.30	3.1	67
V341504		145.5	<0.002	0.68	11.15	9.9	1	2.1	116.0	0.59	0.06	13.00	0.243	2.74	4.8	68
V341505		132.5	<0.002	1.11	14.70	8.6	1	2.2	116.0	0.58	0.07	11.55	0.220	2.64	5.6	61
V341506		156.0	<0.002	1.15	14.65	8.9	<1	2.1	113.5	0.58	0.09	13.25	0.225	2.58	6.1	61
V341507		173.5	<0.002	3.37	7.65	9.6	1	2.5	106.0	0.51	0.33	12.60	0.210	2.64	4.7	64
V341508		137.5	<0.002	1.97	26.2	8.8	<1	4.2	197.5	0.61	0.05	11.95	0.246	2.18	6.1	64
V341509		133.5	<0.002	0.26	7.31	6.9	<1	1.3	403	0.66	<0.05	9.33	0.275	2.92	6.0	66
V341510		113.5	<0.002	0.75	14.55	9.1	1	1.5	156.5	0.65	0.22	11.00	0.249	1.79	4.5	70
V341511		151.5	<0.002	1.71	7.45	9.2	<1	1.4	121.5	0.53	0.26	12.85	0.225	2.47	4.3	67
V341512		164.5	<0.002	1.70	19.95	7.9	1	2.7	167.5	0.57	0.14	11.25	0.243	2.39	5.0	63
V341513		1.6	<0.002	<0.01	0.10	0.2	<1	<0.2	49.7	<0.05	<0.05	0.16	<0.005	0.03	0.7	2
V341514		115.5	<0.002	0.47	4.90	10.3	1	1.6	288	0.67	0.18	13.75	0.244	1.40	3.9	65
V341515		155.0	<0.002	1.97	21.9	9.4	<1	3.7	200	0.61	0.20	11.25	0.244	2.78	4.4	64
V341516		113.0	<0.002	1.10	9.65	11.0	1	2.5	133.5	0.66	0.22	13.05	0.260	1.98	4.6	69
V341517		112.5	<0.002	1.01	10.50	10.6	1	2.2	144.5	0.64	0.33	12.80	0.252	1.79	4.5	67
V341518		105.5	<0.002	0.14	5.48	11.6	1	1.8	285	0.67	0.07	13.65	0.266	1.30	3.9	70
V341519		88.9	<0.002	1.34	23.0	10.8	1	1.8	177.0	0.64	0.57	13.00	0.252	1.75	4.5	67
V341520		133.5	<0.002	2.88	18.75	9.1	1	2.1	104.0	0.46	0.48	9.97	0.178	2.60	4.0	63
V341521		107.5	<0.002	1.73	22.4	11.4	1	1.6	129.5	0.68	0.42	13.45	0.257	1.99	5.5	65
V341522		160.0	<0.002	1.73	11.50	11.5	1	2.5	100.5	0.67	0.41	13.15	0.238	2.60	3.5	68
V341523		157.5	<0.002	5.53	61.5	8.4	1	5.7	55.4	0.46	0.51	10.00	0.180	2.66	3.8	53
V341524		135.5	0.002	8.13	108.0	8.9	2	11.0	65.1	0.40	0.76	8.85	0.172	2.26	5.3	57
V341525		150.5	<0.002	1.74	13.35	11.4	1	2.7	103.0	0.66	0.36	14.85	0.244	2.58	5.3	67
V341526		177.5	<0.002	3.45	13.10	13.1	1	3.3	79.2	0.71	0.34	14.30	0.260	3.89	4.6	78
V341527		173.0	<0.002	2.85	101.5	9.4	1	3.2	90.0	0.58	0.17	11.15	0.221	3.19	21.7	59
V341528		90.9	<0.002	0.09	36.3	6.7	1	1.2	367	0.61	<0.05	8.48	0.319	1.31	8.8	61
V341529		149.5	<0.002	2.13	11.35	11.4	1	3.0	139.5	0.60	0.54	14.10	0.244	2.41	4.6	68
V341530		150.5	<0.002	4.80	67.1	10.1	2	8.4	98.7	0.54	1.11	11.05	0.213	2.58	5.0	63
V341531		109.0	<0.002	0.39	13.05	11.5	1	2.0	139.5	0.71	0.16	13.75	0.256	1.47	3.9	68
V341532		92.4	<0.002	0.97	20.5	11.7	1	2.9	110.5	0.64	0.44	11.50	0.261	1.41	4.0	71
V341533		136.5	<0.002	2.38	13.60	11.2	1	4.1	104.5	0.55	0.26	13.45	0.223	2.07	4.7	66
V341534		178.5	<0.002	6.13	13.90	9.7	1	9.7	14.7	0.45	0.34	11.45	0.182	2.45	3.4	56
V341535		1.1	<0.002	0.01	0.09	0.2	2	<0.2	48.6	<0.05	<0.05	0.10	<0.005	<0.02	0.5	2
V341536		118.5	<0.002	0.84	15.90	11.0	1	2.0	126.0	0.66	0.11	13.20	0.252	2.37	5.7	68



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156921

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V341501		2.1	13.7	217	131.5	0.017
V341502		3.6	12.7	761	74.4	0.099
V341503		2.2	12.1	91	31.5	<0.005
V341504		2.1	12.8	100	28.0	0.038
V341505		2.5	12.1	577	31.4	0.100
V341506		2.6	13.6	597	31.2	0.111
V341507		3.8	13.2	224	29.7	0.059
V341508		5.3	12.5	1120	56.9	0.323
V341509		5.9	13.0	58	117.5	<0.005
V341510		1.8	10.6	107	30.9	0.010
V341511		2.5	10.6	139	28.7	0.011
V341512		3.5	16.7	1220	61.2	0.347
V341513		0.1	0.8	20	<0.5	<0.005
V341514		1.3	16.8	144	34.9	0.006
V341515		6.3	13.2	1840	65.2	0.150
V341516		2.2	15.1	645	35.2	0.048
V341517		2.3	16.2	176	31.9	0.031
V341518		1.7	18.1	57	36.7	<0.005
V341519		2.1	16.0	88	31.9	0.013
V341520		4.7	13.8	2580	26.4	0.720
V341521		2.3	16.1	79	33.6	0.017
V341522		2.1	15.7	236	34.8	0.023
V341523		4.4	10.3	4220	36.1	1.045
V341524		7.7	9.8	3460	24.0	1.645
V341525		2.5	13.8	313	34.5	0.043
V341526		3.6	15.5	542	34.4	0.064
V341527		4.0	13.7	3360	49.7	0.343
V341528		3.1	13.6	97	175.0	0.005
V341529		3.1	15.8	1600	33.5	0.046
V341530		6.2	12.3	2460	30.8	0.844
V341531		2.2	16.7	64	36.3	0.019
V341532		2.7	14.7	220	32.4	0.016
V341533		4.5	14.3	463	32.7	0.025
V341534		4.2	9.9	1920	28.6	0.644
V341535		0.1	0.8	19	<0.5	<0.005
V341536		4.3	15.8	297	34.6	0.096



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17156921

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

CERTIFICATE WH17156923

Project: Klaza

P.O. No.: 17-084

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
BAG-06	Double Bagging Coarse Rejects
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17156923

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V341023		5.90		1.72	6.71	2300	1070	1.98	0.64	1.90	3.89	46.6	5.9	10	24.3	13.8
V341024		3.55		5.66	5.56	4770	370	1.37	1.29	0.94	13.25	39.8	5.6	9	13.55	42.9
V341025		0.27		9.60	6.45	1845	540	1.46	6.10	1.89	39.7	42.6	16.7	21	16.15	111.0
V341026		7.02		22.6	6.57	9310	480	1.41	5.06	1.62	87.5	47.1	6.7	10	16.35	148.0
V341027		2.91		1.01	6.85	104.0	910	1.65	0.70	2.27	0.66	46.9	7.2	8	23.5	7.4
V341028		9.86		0.89	6.57	54.9	1710	1.63	0.67	2.59	2.67	45.2	11.0	8	21.2	11.9
V341029		5.29		0.75	6.74	31.0	1570	1.71	0.51	2.05	1.25	42.1	6.8	9	21.5	5.2
V341030		4.55		0.29	6.66	38.4	1700	1.75	0.15	2.17	0.29	46.5	7.3	8	35.8	7.1
V341031		<0.02		0.30	6.55	40.1	1590	1.73	0.15	2.21	0.31	44.7	7.3	8	34.9	6.5
V341032		2.14		12.30	5.79	165.5	720	1.46	1.25	3.71	73.1	41.3	12.6	7	24.0	72.2
V341033		6.93		1.51	6.48	229	1750	1.98	0.79	3.37	8.25	47.1	7.8	8	30.2	22.7
V341034		3.13		4.67	7.18	292	710	1.67	0.28	1.73	9.10	47.9	6.6	10	18.65	42.5
V341035		6.99		0.86	7.29	52.0	1900	1.71	0.77	1.90	0.60	48.4	7.8	10	19.60	20.4
V341036		3.15		64.6	6.15	685	650	1.31	43.2	0.71	61.5	35.8	7.5	9	6.83	1925
V341037		0.26		12.50	6.56	1610	640	1.43	12.10	1.88	31.6	46.3	18.1	19	13.80	295
V341038		1.78		1.26	7.30	34.8	3280	1.86	0.23	2.53	5.90	62.3	8.4	24	18.25	26.5
V341039		7.66		2.06	6.97	77.3	1070	1.59	1.48	2.18	1.43	50.4	7.9	13	17.30	92.5
V341040		12.02		2.28	6.83	71.6	500	1.61	1.05	1.98	8.35	47.3	7.2	9	16.95	25.8
V341041		6.19		0.03	0.07	0.6	30	0.06	0.03	20.8	0.09	1.32	0.7	1	0.22	2.4
V341042		3.40		13.85	6.11	268	940	1.27	2.88	1.62	40.2	31.6	6.6	8	10.40	183.0
V341043		2.37		57.3	3.88	858	1520	1.10	28.8	6.60	50.5	26.0	5.5	5	15.80	1870
V341044		5.06		1.29	6.86	32.7	1150	1.44	1.12	2.42	0.42	52.2	11.3	15	17.90	32.4
V341045		2.16		0.94	6.88	33.7	970	1.42	1.06	2.47	0.46	50.1	7.8	9	17.95	33.3
V341046		8.82		0.59	7.14	31.3	1430	1.51	1.06	2.05	0.24	50.5	7.2	12	20.5	51.4
V341047		10.80		2.17	7.33	69.9	1060	1.57	1.77	2.04	2.23	58.1	7.6	10	15.95	27.4
V341048		6.36		0.03	0.07	2.0	30	0.08	0.03	20.4	0.13	1.36	0.6	<1	0.22	2.1
V341049		4.45		1.92	6.83	103.5	820	1.62	0.75	1.58	8.35	50.4	6.2	9	14.55	17.5
V341050		8.79		1.55	6.79	92.3	1630	1.69	1.01	2.73	4.77	48.3	6.0	11	14.30	35.8
V341645		3.28		4.91	7.15	126.0	1500	1.71	0.36	1.52	36.9	50.5	4.4	9	19.25	116.5
V341646		4.83		3.15	6.84	730	1360	1.50	0.58	1.47	13.90	47.9	5.6	9	17.75	37.2
V341647		6.54		1.90	6.91	278	550	1.74	0.29	1.74	12.00	51.0	4.5	9	21.0	21.0
V341648		1.44		3.59	5.44	168.5	720	1.43	0.28	2.18	40.8	41.8	5.6	7	18.50	37.2
V341649		4.48		3.23	6.93	175.5	1290	1.84	0.50	2.39	29.7	51.3	7.0	9	22.3	27.8
V341650		3.73		0.26	7.72	21.0	2660	1.62	0.64	1.54	0.63	49.9	7.5	15	31.3	8.1
W588501		2.40	1.105	28.8	5.20	4850	460	1.13	3.32	0.77	161.0	33.7	5.2	8	10.80	253
W588502		4.46		11.35	5.68	2850	480	1.14	4.78	0.60	44.6	38.5	7.3	9	9.43	142.5



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156923

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
V341023		2.95	14.95	0.11	1.3	0.110	2.60	23.2	121.5	0.72	1070	0.99	0.03	7.4	2.7	560
V341024		3.69	14.65	0.13	1.0	0.255	2.44	20.7	10.2	0.43	783	4.18	0.02	5.7	2.3	430
V341025		5.10	14.60	0.12	1.2	0.843	2.75	21.9	23.2	0.69	2010	12.20	0.25	7.0	15.8	510
V341026		4.29	16.00	0.13	1.9	3.03	2.67	24.3	54.9	0.69	863	5.98	0.03	7.3	3.3	600
V341027		2.66	15.35	0.15	1.0	0.109	2.40	24.5	55.0	0.78	1030	0.79	0.03	7.1	2.6	570
V341028		2.75	14.95	0.15	1.1	0.115	1.88	22.9	143.5	0.88	933	0.81	0.03	7.3	2.4	540
V341029		2.87	15.40	0.14	1.2	0.055	2.25	20.6	229	0.62	776	0.77	0.06	7.4	2.4	560
V341030		2.57	15.10	0.15	1.3	0.048	2.33	23.5	66.0	0.76	900	0.86	0.04	7.4	2.3	510
V341031		2.61	14.75	0.14	1.2	0.049	2.30	22.9	66.3	0.78	930	0.91	0.04	7.4	2.4	540
V341032		3.33	12.30	0.15	1.0	0.473	2.13	22.4	46.3	0.94	1940	1.52	0.03	6.0	2.6	440
V341033		2.92	14.00	0.16	1.3	0.233	2.37	25.1	40.9	0.94	1310	4.63	0.04	7.0	4.3	550
V341034		3.11	16.45	0.14	1.4	0.074	3.18	24.1	11.3	0.65	2560	2.66	0.03	7.7	2.6	560
V341035		2.97	16.70	0.17	1.2	0.082	3.25	24.7	86.3	0.63	1200	1.89	0.09	7.7	2.5	590
V341036		7.33	14.10	0.13	0.9	1.460	2.86	17.4	10.5	0.40	1080	7.81	0.02	5.9	2.8	450
V341037		6.50	15.30	0.15	1.0	0.762	2.81	24.1	19.7	0.77	1880	9.10	0.12	6.3	12.8	550
V341038		2.68	20.2	0.15	4.0	0.062	1.50	29.7	169.0	0.81	903	3.09	0.02	11.2	7.8	1340
V341039		3.03	16.25	0.14	1.3	0.104	3.08	25.3	30.7	0.72	1340	3.28	0.05	7.6	3.0	620
V341040		3.27	15.40	0.15	1.1	0.173	2.96	24.7	19.6	0.78	1940	13.50	0.02	6.1	2.8	530
V341041		0.47	0.26	0.13	<0.1	0.006	0.03	0.6	1.2	12.65	205	0.13	<0.01	0.1	1.7	190
V341042		4.97	14.60	0.12	0.8	0.650	2.88	14.1	12.6	0.70	2550	36.6	0.02	6.0	2.1	460
V341043		5.19	8.45	0.09	0.6	0.884	1.51	13.2	26.8	0.73	3370	46.3	0.01	3.5	2.3	280
V341044		3.61	14.60	0.12	1.1	0.061	2.94	26.9	68.2	0.83	1000	1.57	0.28	7.1	3.0	630
V341045		3.40	14.60	0.14	1.0	0.056	2.93	25.8	67.3	0.87	1280	1.16	0.18	6.6	2.5	590
V341046		2.85	16.30	0.15	1.1	0.059	2.76	25.6	27.0	0.62	655	5.00	1.06	8.4	2.6	630
V341047		3.34	16.35	0.16	1.0	0.107	3.14	31.6	34.0	0.73	1500	3.44	0.04	7.5	2.4	580
V341048		0.45	0.26	0.12	<0.1	0.007	0.03	0.7	1.3	12.50	198	0.21	0.01	0.2	1.5	190
V341049		3.34	14.95	0.12	1.0	0.067	2.74	26.9	108.0	0.58	1620	14.20	0.03	6.9	2.8	540
V341050		3.13	15.15	0.15	1.0	0.125	3.34	24.4	41.0	0.76	1890	1.71	0.18	6.9	2.3	570
V341645		3.39	16.20	0.13	1.1	0.386	2.76	26.4	82.0	0.64	1290	2.72	0.02	7.4	2.6	580
V341646		3.15	15.20	0.17	1.1	0.169	2.75	25.5	49.6	0.59	1140	3.85	0.02	6.8	2.7	530
V341647		3.08	16.65	0.15	1.2	0.091	2.38	25.2	104.5	0.69	930	2.14	0.02	7.9	2.6	630
V341648		2.66	11.75	0.16	0.9	0.092	2.23	22.6	34.3	0.79	1140	41.8	0.02	5.7	2.4	430
V341649		3.27	15.75	0.14	1.2	0.207	2.90	26.4	37.0	0.85	1200	2.61	0.03	7.7	2.6	580
V341650		2.76	17.20	0.16	1.2	0.075	2.04	24.2	63.2	0.54	914	0.38	0.04	8.6	2.4	630
W588501		4.31	12.25	0.12	0.8	5.38	2.42	17.6	24.8	0.39	1060	5.37	0.02	4.7	2.5	370
W588502		5.26	12.85	0.12	0.8	0.831	2.63	20.0	17.9	0.33	853	8.41	0.02	5.5	2.8	430



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156923

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V341023		187.5	148.5	<0.002	1.26	23.8	9.2	<1	2.6	98.7	0.63	0.18	12.85	0.236	2.72	5.7
V341024		527	179.0	<0.002	3.20	33.7	7.6	1	3.2	35.0	0.49	0.12	9.80	0.180	2.55	2.7
V341025		1390	148.0	<0.002	3.05	31.5	8.6	1	5.5	144.0	0.57	0.28	10.25	0.202	2.27	4.8
V341026		3800	182.5	<0.002	3.15	62.6	8.4	1	4.8	462	0.58	0.30	10.00	0.226	2.77	5.6
V341027		40.7	112.0	<0.002	0.97	8.04	10.0	1	2.2	97.6	0.53	0.24	11.55	0.231	2.38	4.1
V341028		118.5	78.4	<0.002	0.70	15.45	9.6	1	1.9	146.5	0.61	0.22	12.10	0.222	1.73	4.8
V341029		154.5	74.9	<0.002	0.30	24.9	9.7	1	1.6	152.5	0.64	0.06	11.05	0.227	1.37	2.9
V341030		25.2	93.5	<0.002	0.37	16.95	9.8	1	1.8	102.0	0.66	<0.05	12.10	0.222	1.85	5.3
V341031		24.8	92.9	<0.002	0.37	17.95	9.8	1	1.7	101.5	0.67	<0.05	11.90	0.224	1.88	5.5
V341032		3890	112.5	<0.002	1.47	28.9	8.2	1	2.2	108.5	0.51	0.27	10.20	0.188	1.82	4.7
V341033		281	111.5	<0.002	0.78	21.6	9.0	1	1.7	177.5	0.58	0.10	11.65	0.224	2.11	6.3
V341034		745	169.5	<0.002	2.07	19.00	9.9	1	3.0	51.1	0.66	0.06	12.35	0.231	3.60	4.2
V341035		43.5	151.5	<0.002	0.74	16.30	10.7	1	1.9	130.0	0.61	0.33	12.50	0.234	2.56	5.3
V341036		6610	176.5	<0.002	7.61	279	8.3	1	8.2	30.5	0.47	0.27	9.59	0.184	2.24	4.5
V341037		1340	164.0	<0.002	4.73	64.5	9.6	2	7.7	95.1	0.51	1.22	11.00	0.206	2.43	5.3
V341038		429	56.8	<0.002	0.28	56.4	7.3	1	1.8	385	0.71	<0.05	8.09	0.356	1.18	5.7
V341039		101.5	143.5	<0.002	1.50	36.3	10.0	1	3.1	120.0	0.61	0.21	12.15	0.233	2.41	5.0
V341040		174.5	182.5	<0.002	2.53	23.2	9.7	1	2.5	75.3	0.51	0.29	11.55	0.201	2.95	8.0
V341041		3.2	1.8	<0.002	0.01	0.27	0.2	1	<0.2	45.7	<0.05	<0.05	0.15	<0.005	0.03	0.8
V341042		2230	186.0	<0.002	4.64	85.3	8.2	1	6.4	29.5	0.50	0.64	9.69	0.189	2.54	3.8
V341043		5530	95.0	<0.002	5.49	930	5.1	1	4.4	170.0	0.29	0.38	6.91	0.112	1.81	8.0
V341044		39.3	173.5	<0.002	1.85	12.75	10.7	1	1.8	90.8	0.60	0.42	13.50	0.221	2.60	4.0
V341045		40.4	180.5	<0.002	1.77	12.25	10.5	1	1.9	82.4	0.56	0.50	12.60	0.213	2.73	4.1
V341046		27.7	128.0	<0.002	1.16	10.85	11.2	1	2.2	161.0	0.71	0.40	12.65	0.248	1.90	4.5
V341047		236	177.5	<0.002	1.92	13.85	10.4	1	3.7	80.4	0.62	0.51	13.35	0.229	2.69	4.8
V341048		4.8	1.7	<0.002	<0.01	0.19	0.2	1	<0.2	45.2	<0.05	<0.05	0.14	<0.005	0.02	0.5
V341049		411	154.5	<0.002	2.14	30.0	9.7	1	2.6	75.2	0.60	0.27	13.10	0.216	2.53	4.9
V341050		192.0	174.5	<0.002	1.29	12.80	9.9	<1	2.2	111.0	0.57	0.25	11.65	0.224	2.82	4.6
V341645		1095	157.0	<0.002	1.08	60.2	10.5	1	2.0	96.3	0.62	0.10	13.40	0.232	2.50	6.1
V341646		702	164.5	<0.002	1.50	26.3	9.4	1	2.4	91.5	0.56	0.12	12.35	0.216	2.65	4.4
V341647		440	131.5	<0.002	0.92	26.2	11.7	1	2.7	121.0	0.61	0.06	12.45	0.254	2.36	4.8
V341648		1090	125.5	<0.002	1.27	66.1	8.2	1	2.2	103.0	0.45	0.12	9.18	0.187	2.11	5.9
V341649		629	134.0	<0.002	1.33	13.20	10.3	1	2.8	116.5	0.65	0.11	12.30	0.235	2.74	5.4
V341650		26.7	94.8	<0.002	0.42	19.65	12.1	1	1.8	122.5	0.69	0.18	13.55	0.259	2.02	3.4
W588501		6500	179.5	<0.002	4.49	81.9	7.2	1	5.9	26.6	0.39	0.13	8.62	0.156	2.43	6.0
W588502		1390	187.0	<0.002	5.27	71.2	8.2	1	4.9	16.2	0.41	0.40	9.12	0.179	2.60	2.6



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156923

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	Au-AA24 Au ppm 0.005
V341023		58	4.2	12.8	332	35.7	0.188
V341024		67	4.3	9.4	1080	28.8	1.100
V341025		58	4.7	11.0	3090	38.6	0.737
V341026		62	5.2	12.5	5930	69.5	6.19
V341027		62	2.8	15.5	82	31.4	0.039
V341028		61	2.6	15.4	240	35.9	0.147
V341029		63	2.0	14.6	139	35.3	0.051
V341030		63	2.6	15.0	76	37.8	0.008
V341031		63	2.6	15.9	78	35.0	0.008
V341032		46	2.8	15.2	4560	30.3	0.349
V341033		53	4.0	15.1	612	41.7	0.119
V341034		64	4.8	11.9	860	39.2	0.127
V341035		66	2.4	14.0	98	34.5	0.034
V341036		54	3.8	8.9	6660	29.2	7.22
V341037		64	5.6	11.7	2480	29.0	0.817
V341038		68	8.2	13.1	605	170.5	0.023
V341039		65	3.3	13.5	167	43.4	0.241
V341040		61	3.1	11.7	861	32.5	0.157
V341041		2	0.1	0.8	18	<0.5	<0.005
V341042		52	4.3	8.9	4090	24.3	0.227
V341043		34	3.3	8.1	3790	18.9	2.59
V341044		61	1.6	15.1	76	30.6	0.081
V341045		60	1.6	14.1	83	40.1	0.057
V341046		70	1.9	16.4	65	33.1	0.053
V341047		64	2.5	13.5	257	29.0	0.082
V341048		2	0.1	0.8	20	<0.5	<0.005
V341049		61	2.9	12.0	660	29.1	0.082
V341050		65	1.9	13.8	547	30.4	0.051
V341645		67	2.4	14.3	2370	33.4	0.121
V341646		61	2.6	12.7	1040	32.2	0.339
V341647		73	4.2	14.6	863	34.4	0.252
V341648		49	3.3	11.7	2520	26.9	0.229
V341649		61	3.4	14.7	1880	36.2	0.110
V341650		68	2.2	15.4	98	37.8	0.005
W588501		46	4.7	7.6	>10000	22.0	0.999
W588502		51	4.0	9.0	3100	22.7	0.735



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 31-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17156923

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

CERTIFICATE WH17156926

Project: Klaza

P.O. No.: 17-080

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156926

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V341537		11.61		1.17	7.55	24.2	2560	1.50	0.80	2.54	3.17	51.6	6.5	11	14.70	16.1
V341538		1.69	1.150	15.05	6.41	438	130	1.29	4.72	1.23	100.5	42.4	6.2	7	10.35	226
V341539		10.98		0.56	7.62	28.7	2530	1.49	0.46	2.45	1.61	52.4	6.7	11	12.40	9.9
V341540		5.19		0.17	7.67	8.9	3410	1.52	0.44	2.50	0.31	51.4	5.9	9	13.50	6.5
V341541		3.22		0.14	7.71	9.0	3200	1.68	0.50	2.48	0.26	52.8	6.8	11	14.05	6.1
V341542		7.41		0.59	7.30	50.8	2030	1.08	0.63	2.46	2.17	44.4	6.3	9	12.75	9.9
V341543		4.30		7.50	7.09	2160	320	1.49	4.39	1.89	30.5	48.4	4.1	9	12.25	194.0
V341544		5.40		0.84	7.69	74.6	1790	1.40	1.21	1.89	1.67	58.0	7.0	10	13.95	30.6
V341545		9.23		0.63	7.35	25.8	1720	1.58	0.62	1.77	3.61	43.4	5.9	9	14.80	24.8
V341546		4.82		8.95	7.01	265	190	1.43	13.80	1.57	14.30	46.6	7.3	8	10.75	92.3
V341547		4.00		0.63	7.47	28.5	2130	1.53	0.79	2.65	4.47	49.8	6.7	10	13.10	21.3
V341548		12.15		0.32	7.70	24.7	2670	1.56	0.44	2.71	0.27	51.1	6.5	11	14.00	25.1
V341549		12.45		0.23	7.29	13.5	2340	1.51	0.24	2.62	0.17	51.2	6.6	11	13.85	12.0
V341550		5.56		0.63	7.20	42.4	2090	1.60	0.57	2.30	1.54	45.4	6.7	10	17.80	15.2
V341551		3.15		8.63	6.64	185.0	240	1.45	7.48	1.19	20.5	46.5	11.6	9	7.86	68.9
V341552		7.59		0.01	0.06	0.6	30	0.06	0.05	20.8	0.08	1.18	0.6	<1	0.16	2.4
V341553		9.72		0.79	6.80	35.5	1960	1.51	0.85	2.36	1.24	38.2	5.9	10	15.70	27.9
V341554		<0.02		0.87	6.81	33.3	1970	1.54	0.83	2.32	1.47	37.9	6.0	11	15.15	27.7
V341555		7.36		5.19	7.12	132.0	2240	1.49	2.20	2.42	13.95	46.3	6.4	9	19.25	57.0
V341556		7.47		0.47	7.17	70.8	2000	1.59	0.39	2.55	1.40	36.3	6.5	11	17.80	12.9
V341557		3.74		3.49	6.61	352	260	1.45	0.99	2.39	25.3	42.1	8.0	8	15.55	19.8
V341558		0.27		9.58	6.66	1840	180	1.44	6.31	1.93	43.5	41.9	16.1	21	18.00	112.5
V341559		9.82		0.16	7.15	12.3	1980	1.61	0.21	2.70	0.24	37.7	7.0	10	18.85	12.0
V341560		9.27		0.20	7.21	12.6	2260	1.47	0.57	2.83	1.02	43.7	11.5	10	11.85	12.8
V341561		4.09		1.54	6.88	600	1470	1.35	1.45	2.89	5.58	41.7	5.8	9	11.10	55.7
V341562		4.39		0.48	7.36	69.2	2190	1.49	0.42	2.39	1.91	44.0	6.6	12	12.20	32.7
V341563		4.38		3.27	6.65	309	590	1.40	0.18	3.72	3.02	44.8	8.6	7	24.1	15.5
V341564		7.37		0.01	0.05	0.6	30	0.07	0.03	20.6	0.06	1.08	0.6	<1	0.13	1.7
V341565		9.92		0.63	7.14	13.6	2190	1.71	0.12	2.57	0.27	38.6	6.4	10	18.15	11.8
V341566		9.29		0.77	7.44	16.0	2300	1.60	0.30	2.40	3.07	43.5	7.9	17	16.10	21.5
V341567		7.88		0.92	7.37	12.4	2210	1.58	1.96	2.43	3.05	44.8	8.2	10	17.90	13.0
V341568		5.38		0.36	6.88	52.4	1390	1.54	0.24	2.52	0.47	39.2	8.1	10	20.1	5.3
V341569		9.59		0.58	6.81	17.0	1760	1.46	0.22	2.43	0.69	35.5	5.7	9	19.10	6.7
V341570		3.70		1.39	7.07	444	1070	1.52	0.22	2.81	6.43	46.6	5.9	9	20.3	15.8
V341571		0.27		41.3	5.99	2550	140	1.18	39.0	1.72	46.8	35.4	16.5	23	10.60	1160
V341572		3.63		22.0	6.45	3080	400	1.49	9.28	1.79	76.9	43.0	6.5	6	38.5	182.0



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156926

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
V341537		3.23	16.05	0.19	1.1	0.095	3.08	26.9	19.6	0.71	1280	1.73	0.99	7.2	2.5	600
V341538		7.62	13.10	0.14	0.8	2.03	2.93	22.8	4.6	0.67	2110	1.52	0.03	5.8	2.3	480
V341539		3.33	16.10	0.16	1.0	0.079	2.89	28.2	17.0	0.70	701	1.46	1.79	7.6	2.6	590
V341540		2.75	16.15	0.20	1.0	0.067	2.85	26.9	18.7	0.61	576	1.48	2.23	7.7	2.3	590
V341541		2.83	16.80	0.20	1.1	0.061	2.93	27.9	19.7	0.60	579	1.90	2.25	8.3	2.6	610
V341542		3.20	16.10	0.17	1.0	0.115	2.98	22.4	31.8	0.76	869	2.24	0.20	7.1	2.4	600
V341543		5.32	14.35	0.16	0.9	0.959	3.02	26.5	54.7	0.85	1890	0.91	0.04	6.4	2.2	550
V341544		3.57	16.60	0.16	1.1	0.118	3.15	31.9	42.0	0.71	968	1.01	0.24	7.5	2.3	640
V341545		2.66	16.05	0.17	1.1	0.107	2.99	21.9	210	0.55	768	1.04	0.13	7.6	2.3	620
V341546		4.91	14.65	0.16	0.9	0.471	3.36	25.5	10.6	0.62	1840	1.47	0.03	6.3	2.5	530
V341547		3.06	15.85	0.18	1.0	0.166	3.19	26.4	39.9	0.70	850	1.98	1.20	7.0	2.6	610
V341548		3.38	16.00	0.20	1.0	0.067	2.94	26.9	15.6	0.74	732	1.49	2.00	7.2	2.7	600
V341549		2.91	15.45	0.20	1.1	0.043	2.74	26.1	13.3	0.72	617	2.03	2.25	7.2	2.5	580
V341550		2.93	15.40	0.08	1.1	0.094	2.91	24.5	17.5	0.59	806	1.70	1.46	7.8	3.8	570
V341551		6.16	14.00	0.06	0.9	0.340	3.06	26.7	9.2	0.50	1490	4.64	0.03	6.3	2.5	500
V341552		0.46	0.19	<0.05	<0.1	<0.005	0.02	0.6	0.8	12.85	186	0.28	0.01	0.2	1.5	180
V341553		3.03	15.35	0.07	1.1	0.118	2.95	19.5	27.5	0.63	831	2.09	1.29	8.0	2.4	560
V341554		3.00	15.05	0.07	1.1	0.127	2.91	19.5	24.9	0.63	818	1.85	1.33	7.7	2.3	560
V341555		3.22	14.75	0.09	1.1	0.343	2.91	24.9	108.5	0.78	1370	4.47	0.10	7.4	2.3	540
V341556		2.98	15.55	0.06	1.1	0.060	2.87	18.6	52.8	0.68	746	1.38	1.33	7.8	2.4	570
V341557		3.57	14.75	0.08	1.0	0.082	3.04	22.7	11.3	0.82	1620	1.38	0.02	6.0	2.4	490
V341558		5.32	14.85	0.08	1.3	0.992	2.85	21.9	23.4	0.71	2010	12.15	0.26	7.6	16.3	510
V341559		2.82	15.95	0.07	1.2	0.045	2.82	18.7	34.2	0.69	691	1.20	1.79	8.4	2.5	600
V341560		3.33	15.95	0.08	1.1	0.082	2.68	23.1	14.5	0.65	718	1.66	1.98	8.1	2.8	590
V341561		3.70	14.95	0.08	1.0	0.166	2.72	21.8	20.8	0.53	1040	1.23	0.80	7.4	2.4	560
V341562		3.19	15.95	0.08	1.1	0.082	2.76	22.9	19.8	0.74	774	1.32	1.84	8.0	2.7	610
V341563		2.92	13.65	0.07	1.0	0.050	2.68	25.3	15.7	1.30	1690	1.37	0.03	6.8	2.8	500
V341564		0.46	0.19	<0.05	<0.1	<0.005	0.02	0.5	0.7	12.85	188	0.13	<0.01	0.1	1.5	190
V341565		2.98	15.95	0.08	1.2	0.047	2.84	19.6	19.6	0.73	680	2.06	1.83	8.1	2.6	590
V341566		3.03	16.15	0.09	1.2	0.068	2.81	22.4	15.4	0.72	725	2.10	1.93	8.2	6.1	590
V341567		2.90	16.10	0.08	1.2	0.056	2.82	23.5	17.2	0.68	596	1.63	1.52	8.2	2.5	580
V341568		2.62	16.25	0.08	1.4	0.050	2.76	19.7	27.7	0.80	774	2.41	0.66	8.4	2.6	590
V341569		2.69	14.95	0.07	1.1	0.058	2.85	17.8	63.7	0.69	815	3.50	0.66	7.5	2.3	570
V341570		2.74	14.85	0.09	1.1	0.089	2.95	24.6	82.4	1.00	2210	4.05	0.03	7.3	2.5	570
V341571		9.37	14.00	0.09	0.8	1.700	2.59	19.4	15.4	0.71	2290	16.85	0.06	5.0	15.7	460
V341572		3.67	14.70	0.06	1.1	1.595	2.48	24.0	25.5	0.68	1920	11.35	0.02	6.5	2.5	470



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17156926

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	0.01	0.005	0.1
V341537		301	132.5	<0.002	0.77	7.64	10.0	1	1.9	259	0.63	0.08	14.55	0.253	4.3
V341538		3530	161.0	<0.002	6.67	26.1	8.3	1	4.9	25.8	0.50	0.13	11.55	0.207	4.2
V341539		150.5	121.0	<0.002	0.68	3.60	10.1	1	2.0	315	0.63	0.07	14.35	0.247	4.1
V341540		26.7	109.5	<0.002	0.59	4.01	9.7	1	1.7	415	0.65	0.18	14.10	0.253	3.7
V341541		24.6	113.5	<0.002	0.75	4.54	10.2	1	1.7	400	0.66	0.19	15.05	0.258	3.8
V341542		98.2	104.5	<0.002	0.81	6.12	9.7	1	2.7	144.0	0.59	0.15	12.85	0.249	3.8
V341543		844	161.0	<0.002	3.04	12.70	9.1	1	6.1	71.6	0.55	0.08	13.25	0.228	3.8
V341544		121.0	135.0	<0.002	1.18	12.85	10.5	1	2.9	116.0	0.62	0.17	14.80	0.265	4.2
V341545		161.5	105.5	<0.002	0.91	18.65	9.8	1	2.1	175.5	0.64	0.20	12.70	0.259	3.5
V341546		507	199.5	<0.002	4.12	19.45	8.8	1	4.8	38.3	0.53	0.19	12.70	0.216	3.7
V341547		125.5	133.0	<0.002	1.23	3.94	9.8	1	1.8	295	0.60	0.21	13.60	0.246	4.1
V341548		23.3	119.5	<0.002	0.67	2.35	10.0	1	1.9	342	0.61	0.08	14.50	0.256	4.1
V341549		18.9	108.0	<0.002	0.19	2.15	9.6	1	1.5	358	0.62	<0.05	14.50	0.243	4.1
V341550		92.1	136.0	<0.002	1.04	5.81	9.5	1	2.4	288	0.64	0.15	13.15	0.233	4.3
V341551		864	195.5	<0.002	5.60	16.05	8.6	1	6.8	32.1	0.53	0.29	10.95	0.195	5.6
V341552		2.2	1.3	<0.002	0.01	0.07	0.2	<1	<0.2	47.9	<0.05	<0.05	0.10	<0.005	1.1
V341553		60.2	128.0	<0.002	0.67	5.72	9.2	1	2.3	250	0.66	0.06	10.15	0.233	4.2
V341554		60.2	124.5	<0.002	0.67	5.41	8.9	1	2.3	254	0.67	0.06	10.10	0.229	4.2
V341555		850	145.0	<0.002	0.98	17.40	9.5	1	2.6	152.0	0.62	<0.05	11.75	0.224	4.9
V341556		89.2	113.0	<0.002	0.43	6.51	8.9	1	2.1	294	0.65	0.05	9.78	0.237	4.0
V341557		1120	173.5	<0.002	2.75	13.05	8.6	1	5.9	79.7	0.50	0.23	11.45	0.191	4.6
V341558		1390	164.5	<0.002	3.10	36.7	8.4	1	6.0	150.0	0.62	0.30	10.45	0.205	5.2
V341559		19.7	100.5	<0.002	0.17	4.19	9.0	1	1.8	331	0.70	<0.05	10.45	0.247	4.1
V341560		46.7	108.5	<0.002	0.72	2.57	9.7	1	2.3	343	0.65	0.16	11.55	0.247	4.6
V341561		349	136.0	<0.002	1.13	8.37	9.5	1	4.3	187.5	0.58	0.09	10.85	0.232	4.3
V341562		137.5	120.5	<0.002	0.36	4.44	10.0	1	2.6	336	0.60	<0.05	11.95	0.247	3.8
V341563		467	169.0	<0.002	1.27	20.7	8.4	1	1.9	115.5	0.55	<0.05	10.85	0.208	5.4
V341564		4.7	0.9	<0.002	<0.01	0.07	0.1	<1	<0.2	46.2	<0.05	<0.05	0.09	<0.005	0.9
V341565		222	113.5	<0.002	0.06	3.81	9.3	1	1.9	295	0.66	<0.05	10.45	0.247	4.1
V341566		140.5	120.0	<0.002	0.18	5.12	9.8	1	1.8	310	0.67	0.05	12.45	0.245	4.5
V341567		491	126.5	<0.002	0.25	5.86	9.9	1	1.8	276	0.68	1.03	12.30	0.241	4.6
V341568		50.7	120.5	<0.002	0.30	7.21	9.4	1	2.0	137.5	0.74	0.05	9.64	0.243	3.6
V341569		96.9	119.5	<0.002	0.20	9.44	8.9	1	2.3	159.0	0.60	<0.05	9.39	0.240	3.7
V341570		221	142.0	<0.002	1.03	15.55	9.2	1	2.7	121.0	0.59	<0.05	11.75	0.232	5.1
V341571		1670	160.5	0.002	7.83	111.0	8.2	2	11.2	63.4	0.41	0.70	8.41	0.164	5.6
V341572		4320	152.5	<0.002	2.63	83.5	8.1	1	10.1	126.5	0.53	<0.05	10.55	0.195	14.4



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156926

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	Au-AA24 Au ppm 0.005
V341537		68	2.1	16.3	362	34.0	0.015
V341538		58	4.7	11.3	>10000	24.2	0.235
V341539		68	2.1	17.2	228	31.8	0.014
V341540		68	2.8	16.2	72	30.2	<0.005
V341541		69	2.2	16.9	67	33.2	<0.005
V341542		71	3.4	14.9	276	30.1	0.026
V341543		62	4.0	11.5	3290	29.2	0.703
V341544		71	2.5	15.2	219	32.4	0.040
V341545		69	2.7	13.1	329	34.3	0.010
V341546		60	3.5	10.5	1360	27.5	0.995
V341547		68	2.8	15.4	399	32.1	0.013
V341548		69	1.8	16.4	64	32.6	0.261
V341549		66	1.2	16.9	51	32.5	<0.005
V341550		64	1.6	14.9	152	32.2	0.017
V341551		57	3.4	10.2	1700	27.1	5.03
V341552		2	0.1	0.8	16	<0.5	0.005
V341553		64	1.9	13.9	139	31.6	0.269
V341554		63	1.9	13.8	160	32.9	0.251
V341555		64	4.0	14.6	971	31.4	0.061
V341556		65	3.1	13.5	136	31.7	0.008
V341557		57	3.9	11.6	1720	29.1	0.217
V341558		60	5.2	11.7	3110	41.2	0.790
V341559		68	2.3	14.8	56	35.7	<0.005
V341560		68	2.2	15.9	131	33.2	0.006
V341561		66	3.0	14.5	580	29.1	0.108
V341562		69	2.7	15.3	220	32.2	0.011
V341563		57	4.4	13.5	271	29.2	0.196
V341564		2	0.1	0.8	15	<0.5	<0.005
V341565		67	4.8	15.2	57	35.3	<0.005
V341566		68	2.8	15.8	310	37.0	0.010
V341567		67	2.4	15.5	219	36.4	<0.005
V341568		68	2.7	14.7	73	41.3	0.007
V341569		68	2.6	12.7	101	32.0	<0.005
V341570		64	4.4	14.5	473	33.3	0.288
V341571		58	7.4	9.8	3430	24.5	1.765
V341572		56	5.7	11.3	4670	31.5	2.41



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 1-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17156926

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 28-AUG-2017
Account: ROCKHA

CERTIFICATE WH17156927

Project: Klaza

P.O. No.: 17-075

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 28-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156927

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	As-OG62 As %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W588271		7.68		0.51	6.98	44.5	2620	1.70	2.04	3.16	0.29	52.2	11.1	10	15.95	119.0
W588272		3.68		1.03	6.50	39.9	2770	1.78	3.59	4.13	0.43	49.7	10.4	9	18.55	21.6
W588273		2.25		1.72	5.37	910	720	1.12	0.56	6.99	7.87	38.9	10.8	5	13.30	38.3
W588274		6.79		0.36	6.56	118.0	1890	1.37	0.22	2.96	0.19	36.6	7.1	12	15.25	77.2
W588275		5.02		0.48	7.17	41.6	2070	1.77	0.52	2.90	0.36	44.4	8.0	13	19.05	73.4
W588276		3.49		2.34	6.89	97.3	2450	1.92	0.68	2.86	1.69	42.7	8.9	9	21.5	54.2
W588277		7.76		4.29	6.23	283	650	1.55	1.80	3.17	8.54	42.3	7.6	7	15.55	28.8
W588278		8.47		0.02	0.08	7.1	30	0.05	0.03	20.9	0.07	1.24	0.7	1	0.22	1.7
W588279		4.55		0.67	7.09	156.5	1880	2.06	1.02	2.49	1.37	48.4	8.1	8	28.0	7.9
W588280		8.88		0.24	6.44	30.2	2960	2.12	1.57	3.07	1.17	47.9	6.4	14	31.6	22.3
W588281		4.34		0.09	7.09	27.9	1810	2.18	0.29	2.77	0.13	53.4	6.3	11	27.1	4.4
W588282		0.26		4.45	6.64	717	450	1.56	3.67	2.05	10.15	49.7	12.4	26	14.00	310
W588283		4.41		0.13	6.81	29.8	2210	2.00	0.21	2.69	0.29	48.9	6.1	10	24.1	4.3
W588284		1.99		1.51	6.52	114.5	1600	1.74	0.52	2.47	4.10	46.3	6.4	12	25.8	10.7
W588285		5.14		1.57	7.98	274	2090	2.06	0.19	2.23	6.30	48.3	9.1	10	20.4	13.9
W588286		8.79		0.34	6.80	110.5	1500	1.84	0.19	3.66	0.18	43.4	8.7	17	22.7	4.6
W588287		9.21		1.30	7.50	757	1090	1.95	1.40	2.77	4.17	46.3	9.1	9	24.6	15.1
W588288		5.66		1.37	6.90	775	1000	1.86	1.77	2.85	4.93	44.0	9.6	9	23.9	18.5
W588289		3.73		2.13	6.54	137.5	1300	1.50	15.40	3.64	10.05	43.4	9.2	9	19.55	68.4
W588290		6.01		1.37	7.28	264	1090	1.79	2.99	2.71	6.11	47.1	9.9	11	24.7	30.1
W588291		5.29		1.61	7.14	223	1530	1.95	0.41	2.83	2.33	43.1	8.6	15	20.6	16.1
W588292		0.27		9.77	6.45	1830	160	1.72	6.79	1.90	41.2	41.2	18.2	21	16.75	110.5
W588293		7.14		0.42	6.89	64.5	1960	1.64	0.10	3.33	0.21	43.4	8.9	12	17.85	10.4
W588294		6.93		1.09	6.95	990	1730	1.73	0.09	3.14	4.03	43.9	8.6	13	16.40	7.5
W588295		3.14	1.155	3.05	6.70	>10000	1040	1.57	0.11	2.51	34.9	44.1	9.4	8	14.30	9.5
W588296		<0.02	1.205	2.94	6.71	>10000	890	1.56	0.12	2.40	32.4	45.0	9.2	7	13.90	9.2
W588297		6.63		0.17	7.62	102.0	1210	1.35	0.11	0.15	1.15	48.7	4.8	11	13.75	17.1
W588298		11.05		0.74	8.20	153.0	1280	1.82	0.57	0.18	1.78	45.3	11.9	11	23.0	85.3
W588299		6.88		0.01	0.07	4.8	20	0.05	0.03	20.5	0.07	1.23	0.6	1	0.16	2.1
W588300		1.88		0.27	6.42	56.0	870	1.50	0.14	0.29	1.43	40.4	8.7	9	19.80	15.6
W588301		6.92		0.07	7.68	10.0	1630	1.42	0.10	1.82	0.27	48.5	9.0	12	13.05	22.6
W588302		1.08		0.84	6.54	171.0	1050	1.74	1.06	2.10	6.95	38.6	7.0	10	36.5	18.8
W588303		7.07		0.08	7.79	15.7	1310	1.45	0.18	1.14	0.20	52.6	6.9	11	18.15	14.7
W588304		9.45		0.84	6.69	168.5	930	1.58	0.35	2.59	2.18	41.9	5.8	11	20.9	24.6
W588305		2.64		5.69	6.89	375	720	1.58	1.12	1.24	12.35	46.3	6.1	12	34.8	47.6
W588306		4.92		0.07	7.13	12.0	1290	1.53	0.09	2.58	0.09	42.7	6.6	13	14.95	8.6



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 28-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156927

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
W588271		3.65	15.60	0.10	1.2	0.115	2.44	27.0	17.7	1.10	1720	0.44	1.21	8.1	3.0	750
W588272		3.34	14.65	0.10	1.0	0.216	2.38	27.6	17.0	1.20	2140	0.32	0.71	6.6	2.7	570
W588273		5.08	10.15	0.05	0.7	0.268	2.30	22.2	22.8	1.94	13500	1.03	0.32	4.6	2.2	400
W588274		2.98	14.30	0.09	1.1	0.046	2.68	18.1	13.3	0.74	1140	1.57	1.83	6.9	2.5	590
W588275		3.08	15.60	0.12	1.2	0.071	2.84	22.7	24.4	0.74	991	1.74	1.65	7.7	2.8	640
W588276		3.40	15.55	0.11	1.2	0.140	2.58	20.8	63.7	0.79	1820	1.55	0.70	8.1	2.9	690
W588277		3.47	12.75	0.09	1.4	0.247	2.69	23.5	29.4	1.07	3350	6.13	0.05	6.3	3.3	530
W588278		0.47	0.24	0.13	<0.1	0.006	0.03	0.6	1.4	12.80	211	0.15	0.01	0.2	1.6	170
W588279		3.45	14.10	0.12	1.3	0.145	2.94	26.6	15.2	1.07	1740	19.30	0.05	7.0	3.1	580
W588280		2.50	16.30	0.12	2.5	0.067	2.62	23.5	39.1	0.96	917	2.01	0.08	7.4	5.3	750
W588281		2.55	17.50	0.13	2.4	0.030	2.87	26.9	26.9	0.96	743	1.05	0.08	8.4	4.2	810
W588282		4.93	14.60	0.09	1.1	0.297	2.89	28.7	28.0	0.76	1840	13.35	0.14	6.0	15.1	520
W588283		2.48	16.70	0.11	2.3	0.030	2.75	24.1	26.6	0.95	725	0.99	0.08	8.0	4.1	790
W588284		2.57	14.70	0.11	2.0	0.082	2.45	24.9	40.8	0.91	1460	3.53	0.06	6.7	4.6	650
W588285		3.56	16.20	0.11	1.2	0.119	2.24	25.7	158.5	0.91	1480	1.93	0.06	7.7	2.7	700
W588286		3.14	14.90	0.12	1.2	0.045	2.83	22.4	45.4	0.98	1800	0.97	0.44	7.1	2.8	630
W588287		3.42	15.55	0.11	1.2	0.186	3.02	25.2	43.3	0.99	2590	1.14	0.07	7.1	2.7	650
W588288		3.44	15.10	0.10	1.2	0.201	2.89	22.7	39.0	0.96	2770	1.47	0.06	7.1	2.7	630
W588289		3.60	12.85	0.12	1.1	0.319	2.55	24.1	25.0	1.25	1530	5.68	0.08	6.5	2.9	530
W588290		3.58	15.55	0.11	1.2	0.281	2.93	24.9	32.0	0.92	1860	1.63	0.08	7.5	3.0	670
W588291		3.13	15.75	0.12	1.4	0.091	2.76	21.5	92.3	0.79	1390	17.70	0.56	8.0	2.7	660
W588292		5.09	14.05	0.09	1.3	0.903	2.83	21.0	26.7	0.68	1960	11.80	0.26	7.1	15.8	500
W588293		3.17	15.10	0.12	1.2	0.043	2.49	21.6	24.2	0.87	981	1.11	1.78	7.5	3.0	700
W588294		3.22	15.10	0.12	1.2	0.049	2.92	22.5	25.8	0.82	2050	1.64	1.19	7.2	2.7	640
W588295		4.22	14.40	0.10	1.3	0.096	3.01	24.9	14.6	0.83	4180	0.86	0.04	6.7	2.6	490
W588296		4.27	14.25	0.09	1.3	0.098	3.01	25.3	13.6	0.81	4320	0.89	0.04	6.7	2.6	490
W588297		1.64	13.75	0.09	1.0	0.021	3.15	29.8	25.8	0.18	916	4.49	0.10	8.8	2.6	330
W588298		3.86	15.75	0.10	0.7	0.062	2.51	26.2	39.0	0.21	1930	8.32	0.04	9.0	5.5	530
W588299		0.48	0.20	0.14	<0.1	0.007	0.03	0.6	0.9	12.55	207	0.13	<0.01	0.1	1.6	220
W588300		3.69	11.85	0.12	0.5	0.077	2.21	29.2	64.2	0.20	1600	7.33	0.05	6.1	5.3	460
W588301		3.01	15.90	0.12	0.7	0.027	2.13	24.7	15.9	0.61	581	1.43	1.70	9.4	4.6	570
W588302		3.08	13.15	0.12	0.7	0.967	2.51	21.5	85.2	0.64	1300	1.83	0.05	7.2	4.1	420
W588303		2.62	14.80	0.11	0.9	0.026	2.53	29.7	25.2	0.41	508	1.25	1.12	9.1	3.7	470
W588304		2.75	13.75	0.11	1.0	0.135	3.03	22.4	37.9	0.73	3740	0.67	0.05	8.5	3.0	380
W588305		3.07	13.10	0.11	0.8	0.265	3.11	27.0	10.1	0.56	4400	3.08	0.04	7.2	3.2	380
W588306		2.44	14.00	0.13	0.9	0.025	2.70	23.3	21.5	0.66	670	0.25	1.48	8.2	3.4	400



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 28-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156927

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	0.01	0.005	0.1
W588271		22.8	124.0	<0.002	0.41	10.40	14.6	1	2.7	233	0.63	0.13	12.75	0.312	3.8
W588272		28.9	134.5	<0.002	0.40	5.94	10.7	1	4.3	218	0.55	0.28	11.60	0.248	3.5
W588273		451	118.0	<0.002	1.23	11.15	7.3	1	1.6	188.5	0.36	0.05	9.23	0.173	3.8
W588274		19.4	103.0	<0.002	0.17	4.19	10.6	<1	1.8	360	0.53	<0.05	12.20	0.257	3.8
W588275		26.1	114.5	<0.002	0.15	4.51	11.8	<1	2.1	369	0.65	0.15	14.05	0.273	4.0
W588276		141.5	105.0	<0.002	0.44	16.90	12.5	1	2.3	282	0.65	0.10	12.10	0.297	4.8
W588277		309	149.5	<0.002	1.44	20.9	9.7	1	2.2	181.5	0.50	0.06	11.15	0.224	4.9
W588278		1.7	1.4	<0.002	<0.01	0.12	0.2	1	<0.2	48.1	<0.05	<0.05	0.16	<0.005	0.6
W588279		58.6	171.0	0.002	0.45	10.40	10.5	1	2.7	249	0.58	<0.05	13.75	0.252	5.5
W588280		30.1	94.1	<0.002	0.14	11.00	7.8	1	3.0	364	0.53	<0.05	7.80	0.279	5.5
W588281		14.2	106.0	<0.002	0.19	8.08	7.5	<1	2.0	342	0.59	<0.05	8.66	0.292	4.8
W588282		473	163.0	0.004	2.66	28.9	9.1	1	5.4	108.0	0.49	0.32	12.95	0.200	5.5
W588283		23.0	97.9	<0.002	0.21	8.20	7.2	<1	1.5	352	0.56	<0.05	8.03	0.281	4.4
W588284		205	114.0	<0.002	0.48	16.00	8.2	<1	1.6	272	0.50	<0.05	8.91	0.254	4.2
W588285		238	112.5	<0.002	0.45	12.25	13.3	<1	1.7	290	0.54	<0.05	12.50	0.309	3.4
W588286		23.9	126.0	<0.002	0.20	11.75	13.0	1	1.4	263	0.53	<0.05	11.70	0.282	3.6
W588287		288	159.5	<0.002	0.86	19.80	12.6	1	3.9	227	0.52	<0.05	12.05	0.288	4.3
W588288		263	135.0	<0.002	0.87	19.20	12.3	1	4.1	225	0.51	<0.05	12.25	0.275	4.2
W588289		236	125.0	<0.002	0.57	16.25	10.1	1	16.7	394	0.51	<0.05	12.35	0.232	4.8
W588290		300	129.5	<0.002	0.70	11.95	12.6	1	5.7	282	0.54	<0.05	12.70	0.295	4.0
W588291		309	111.0	0.012	0.42	9.27	13.0	1	4.2	295	0.66	<0.05	12.60	0.291	4.1
W588292		1380	148.5	<0.002	3.11	34.3	8.6	1	5.6	147.0	0.58	0.39	12.30	0.204	5.1
W588293		26.3	100.0	<0.002	0.20	4.86	12.7	<1	1.8	405	0.57	<0.05	12.30	0.291	3.9
W588294		201	126.5	<0.002	0.60	15.15	12.5	1	1.7	313	0.58	<0.05	12.70	0.276	4.4
W588295		486	161.0	<0.002	1.98	55.4	9.5	1	6.5	119.0	0.57	<0.05	14.70	0.218	5.1
W588296		497	161.5	<0.002	1.98	55.6	9.5	<1	6.6	116.0	0.57	<0.05	14.80	0.216	5.3
W588297		19.5	153.5	<0.002	0.01	5.83	6.6	<1	0.8	60.9	0.98	<0.05	21.4	0.174	2.4
W588298		49.8	145.5	<0.002	0.01	29.0	11.7	1	1.4	73.9	0.74	<0.05	14.60	0.277	3.4
W588299		1.3	1.2	<0.002	0.01	0.11	0.1	<1	<0.2	46.0	<0.05	<0.05	0.14	<0.005	0.6
W588300		21.6	123.0	<0.002	0.05	30.3	8.7	<1	1.6	34.0	0.52	<0.05	13.15	0.223	2.6
W588301		11.5	82.6	<0.002	0.01	3.92	11.2	1	1.8	284	0.81	<0.05	16.45	0.297	1.9
W588302		111.5	123.0	<0.002	0.30	12.15	8.9	<1	1.5	70.5	0.66	<0.05	11.80	0.224	3.0
W588303		13.7	109.0	<0.002	0.02	6.60	9.6	1	1.6	192.5	0.78	<0.05	19.55	0.250	1.9
W588304		101.5	152.5	<0.002	0.73	15.50	8.0	<1	1.1	101.0	0.81	<0.05	15.45	0.208	4.8
W588305		727	176.0	0.002	1.12	23.8	7.9	<1	1.3	51.7	0.67	<0.05	15.80	0.198	4.3
W588306		12.1	112.5	<0.002	0.10	6.79	8.7	1	1.0	275	0.72	<0.05	15.95	0.228	3.1



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 28-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17156927

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	Au-AA24 Au ppm 0.005
W588271		94	3.8	15.6	125	33.1	0.005
W588272		75	3.5	14.8	128	28.3	0.006
W588273		52	3.2	15.9	786	21.0	0.635
W588274		74	2.5	14.9	53	29.9	0.008
W588275		81	5.1	16.9	74	33.9	0.009
W588276		93	4.3	16.6	186	32.9	0.083
W588277		67	4.1	13.5	822	41.8	0.202
W588278		2	0.1	0.8	17	<0.5	<0.005
W588279		75	5.6	15.4	184	40.0	0.040
W588280		69	2.7	13.4	156	89.3	<0.005
W588281		70	2.2	13.8	67	81.1	<0.005
W588282		65	5.3	12.5	859	31.2	0.348
W588283		67	2.1	12.8	81	78.4	0.005
W588284		67	3.2	13.5	448	70.4	0.030
W588285		93	3.7	17.1	646	36.9	0.017
W588286		85	2.6	16.9	52	36.0	0.005
W588287		85	3.5	15.1	429	36.8	0.053
W588288		83	3.1	15.1	497	35.8	0.056
W588289		71	4.3	21.8	976	30.2	0.363
W588290		86	2.6	16.3	616	37.2	0.127
W588291		87	2.3	16.5	303	39.6	0.055
W588292		58	4.9	11.6	3000	41.6	0.764
W588293		88	3.5	16.2	77	37.1	0.007
W588294		83	2.0	16.4	430	37.0	0.427
W588295		65	6.6	13.2	2370	39.7	2.73
W588296		65	6.3	13.3	2220	38.7	2.79
W588297		47	1.7	13.6	98	26.1	0.015
W588298		87	7.6	17.5	180	17.4	0.025
W588299		2	0.1	0.8	14	<0.5	<0.005
W588300		74	6.9	20.1	124	11.1	0.015
W588301		89	3.2	14.1	53	16.2	<0.005
W588302		71	3.4	13.8	607	18.0	0.031
W588303		75	2.0	14.6	53	25.7	<0.005
W588304		62	2.9	10.8	193	27.0	0.037
W588305		60	2.8	8.6	1260	23.5	0.086
W588306		66	1.5	12.3	42	26.0	<0.005



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 28-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17156927

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	As-OG62	Au-AA24	ME-MS61	ME-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 4-SEP-2017
Account: ROCKHA

CERTIFICATE WH17156930

Project: Klaza

P.O. No.: 17-083

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 4-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156930

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR22 Au ppm	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	As-OG62 As %	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
		0.02	0.05	1	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01
V341609		9.58						3.69	7.52	268	360	1.51	2.25	1.54	17.50	79.7
V341610		6.75						23.2	6.67	406	660	1.41	28.5	1.78	29.5	44.5
V341611		10.70						1.56	7.38	29.0	1900	1.29	1.01	2.18	0.66	47.8
V341612		8.29						1.41	7.62	39.6	480	1.41	1.82	1.91	1.28	49.3
V341613		<0.02						1.24	7.41	41.0	770	1.54	1.81	1.96	1.38	49.1
V341614		5.80						4.09	7.76	35.5	980	1.37	1.42	2.38	1.23	52.5
V341615		9.72						1.79	7.39	51.2	750	1.52	1.42	2.51	0.97	68.8
V341616		3.08						2.19	7.18	94.6	420	1.44	1.25	2.14	6.77	54.8
V341617		3.35						28.4	5.63	2920	390	1.25	2.00	1.02	91.6	38.0
V341618		4.55						1.75	7.13	152.5	520	1.58	1.08	2.03	4.86	50.6
V341619		0.26						11.25	6.32	1545	600	1.35	11.80	1.78	31.4	42.1
V341620		3.99						0.55	6.82	27.1	1030	1.40	0.83	2.87	2.80	54.2
V341621		12.59						2.29	6.41	52.6	130	1.30	4.27	4.06	1.28	53.5
V341622		3.69						0.43	6.87	16.9	970	1.61	0.77	2.32	0.46	47.9
V341623		3.12						0.51	6.93	19.1	960	1.65	0.80	2.41	1.06	48.3
V341624		4.24						1.44	6.02	34.7	280	1.31	0.60	3.37	44.9	40.7
V341625		3.67						0.94	6.94	36.8	520	1.58	1.61	2.75	1.85	42.1
V341626		4.10						0.10	7.39	10.3	2490	1.44	0.35	2.10	0.28	46.1
V341627		12.64						0.15	6.95	13.1	2470	1.46	0.49	2.44	0.27	42.6
V341628		2.31						0.58	6.90	22.4	1950	1.50	0.79	3.27	0.74	48.9
V341629		2.07						2.51	6.85	454	450	1.40	1.35	1.89	15.85	43.8
V341630		7.37						0.22	6.73	16.2	1710	1.59	0.49	2.26	0.14	47.9
V341631		0.26						4.34	6.88	750	460	1.61	3.53	2.07	11.10	45.9
V341632		7.90						0.16	7.11	13.9	1870	2.06	0.40	2.01	0.22	46.3
V341633		3.12						0.16	6.60	12.2	1470	1.57	0.70	2.07	0.15	36.0
V341634		3.90						1.89	5.93	271	1000	1.56	1.00	4.47	7.75	38.4
V341635		6.20						0.01	0.08	0.4	30	0.06	0.12	21.5	0.07	1.22
V341636		2.78						2.02	5.14	172.5	1350	1.12	0.51	5.33	12.55	36.8
V341637		10.90						0.37	6.82	102.0	990	1.82	0.12	2.49	4.45	50.2
V341638		11.84						0.35	6.89	57.3	1190	1.94	0.12	2.99	1.55	52.5
V341639		6.76						0.01	0.06	0.2	60	0.05	0.03	21.3	0.07	1.12
V341640		4.33						5.13	6.83	182.5	970	1.55	1.70	2.66	21.4	50.7
V341641		3.86	12.60	166	1.115	1.205	2.65	>100	5.61	>10000	620	1.04	7.42	1.29	166.5	34.9
V341642		9.33						0.80	7.12	83.1	1360	1.39	0.39	2.06	2.40	51.2
V341643		2.14						5.74	6.28	306	440	1.31	1.88	2.10	30.1	44.3
V341644		8.00						0.50	7.41	30.9	1780	1.41	0.28	1.41	2.84	46.5



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 4-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17156930

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
		Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
		0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
V341609		12.4	12	8.80	50.2	4.67	16.15	0.17	0.9	0.630	3.70	46.9	10.4	0.62	1720
V341610		7.5	11	11.40	923	5.12	13.20	0.17	0.8	0.752	3.11	24.6	24.0	0.67	1660
V341611		7.1	11	10.10	30.8	3.14	16.65	0.15	1.0	0.100	3.02	24.2	21.7	0.55	673
V341612		9.1	10	6.50	33.4	4.52	16.75	0.27	0.9	0.153	3.17	24.9	22.8	0.73	1180
V341613		9.2	12	6.60	32.7	4.51	16.95	0.26	0.9	0.155	3.21	24.2	23.3	0.72	1200
V341614		7.9	12	11.75	9.5	3.72	17.20	0.29	0.9	0.103	3.35	29.1	48.6	0.90	1220
V341615		11.4	11	11.90	9.8	3.40	17.25	0.25	0.9	0.068	3.01	39.2	40.3	0.86	1220
V341616		8.5	9	28.1	15.3	3.78	15.30	0.09	0.8	0.092	3.39	30.9	10.7	0.77	1580
V341617		6.6	11	21.2	156.0	3.81	12.35	0.07	0.7	0.326	2.56	20.6	29.9	0.39	559
V341618		5.8	14	11.30	21.3	3.31	15.70	0.09	0.9	0.098	3.33	28.4	13.1	0.74	1880
V341619		15.6	18	13.25	285	6.42	14.25	0.08	0.9	0.750	2.83	22.6	19.0	0.72	1700
V341620		9.5	11	12.25	7.2	3.03	15.45	0.08	0.9	0.068	2.79	31.2	48.6	0.85	1270
V341621		12.8	10	13.65	11.4	5.53	17.05	0.08	1.0	0.110	2.86	31.3	16.6	0.79	1300
V341622		7.1	10	14.20	6.5	3.02	15.85	0.08	1.0	0.053	2.70	26.3	46.7	0.69	704
V341623		6.8	11	18.25	7.0	3.00	15.70	0.08	1.0	0.066	2.83	26.5	37.1	0.73	803
V341624		5.5	10	10.55	9.9	3.58	13.90	0.09	0.9	0.100	2.77	21.2	19.9	0.66	1440
V341625		9.4	8	18.85	18.3	3.89	15.05	0.08	0.9	0.179	2.82	22.8	23.2	0.75	924
V341626		4.8	12	12.05	12.9	2.70	17.20	0.09	1.4	0.061	3.30	24.0	41.3	0.56	534
V341627		6.1	16	9.73	10.9	2.50	15.65	0.08	1.2	0.045	3.03	21.7	32.4	0.51	561
V341628		7.0	10	9.98	6.3	2.99	15.95	0.09	1.1	0.050	3.51	26.9	22.1	0.69	1130
V341629		8.4	10	8.65	13.9	4.75	16.45	0.08	1.0	0.158	3.45	25.2	9.9	0.70	1860
V341630		5.8	9	21.5	5.7	2.48	16.25	0.09	1.6	0.068	2.20	25.2	40.4	0.47	517
V341631		12.3	25	13.80	329	5.21	15.65	0.09	1.0	0.308	3.05	26.5	27.7	0.77	1860
V341632		5.2	9	18.65	4.0	2.75	15.40	0.09	1.6	0.043	2.67	24.4	18.5	0.49	427
V341633		6.5	9	14.10	3.6	2.84	17.20	0.07	1.4	0.097	1.90	17.6	36.6	0.36	509
V341634		8.2	7	19.00	11.9	3.43	12.55	0.08	1.1	0.061	2.18	21.6	73.9	1.56	1340
V341635		0.7	1	0.21	1.9	0.49	0.23	0.07	<0.1	<0.005	0.03	0.6	1.0	13.10	207
V341636		4.0	8	16.90	19.9	2.90	11.05	0.06	1.8	0.141	1.94	20.5	77.7	2.12	1320
V341637		5.8	9	28.4	8.5	2.43	16.95	0.08	3.3	0.043	2.95	26.5	68.7	0.67	1020
V341638		5.8	9	27.1	7.4	2.55	17.20	0.08	3.2	0.044	2.80	29.1	95.5	1.04	858
V341639		0.6	1	0.16	2.9	0.47	0.19	0.07	<0.1	<0.005	0.02	0.5	1.0	13.00	202
V341640		6.0	9	25.2	40.4	2.87	14.80	0.09	1.4	0.438	3.01	28.1	23.9	0.86	923
V341641		3.7	12	14.80	378	6.03	12.20	0.07	0.9	0.621	2.54	18.4	28.6	0.56	840
V341642		4.9	10	25.5	8.1	3.04	15.05	0.07	1.2	0.062	2.98	28.3	40.5	0.79	1090
V341643		5.0	12	16.05	45.3	4.25	13.70	0.07	1.4	0.310	2.88	24.3	25.2	0.85	1370
V341644		5.7	11	21.6	6.1	3.12	16.00	0.08	1.3	0.058	2.24	24.6	81.2	0.59	964



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 4-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156930

Sample Description	Method Analyte Units LOR	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm
		0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05
V341609		0.04	7.2	2.7	640	666	225	<0.002	3.94	13.65	11.2	1	10.5	41.4	0.50	0.33
V341610		0.03	5.9	1.9	490	795	176.0	<0.002	4.01	73.2	8.7	1	4.3	59.2	0.49	0.28
V341611		1.24	7.9	2.2	600	39.4	134.5	<0.002	1.32	8.77	10.6	<1	2.4	191.5	0.69	0.25
V341612		0.34	6.5	2.1	620	118.5	172.5	<0.002	2.74	10.60	10.8	<1	5.4	80.3	0.52	0.65
V341613		0.33	6.6	2.0	640	116.5	172.0	<0.002	2.71	10.85	11.0	1	4.9	81.1	0.52	0.50
V341614		0.04	7.4	2.2	640	146.5	175.5	<0.002	2.13	7.60	11.3	<1	3.9	117.0	0.58	0.38
V341615		0.05	7.6	2.3	650	78.2	146.0	<0.002	2.11	15.60	11.5	1	3.3	109.5	0.61	0.48
V341616		0.03	6.8	3.8	600	434	175.5	<0.002	2.85	16.15	9.6	1	4.4	60.3	0.54	0.33
V341617		0.03	5.4	3.4	440	7420	138.0	<0.002	3.69	184.5	7.2	1	4.5	58.8	0.43	0.36
V341618		0.03	7.1	2.8	550	149.5	177.0	<0.002	2.57	18.05	9.7	1	2.8	54.8	0.55	0.35
V341619		0.12	6.1	11.9	510	1265	154.0	<0.002	4.43	61.2	8.2	1	7.2	91.6	0.47	1.15
V341620		0.13	7.0	2.5	560	63.7	140.5	<0.002	1.78	10.30	9.5	1	2.0	134.0	0.57	0.32
V341621		0.04	5.4	2.3	450	79.7	157.5	<0.002	5.07	6.45	7.6	1	3.6	122.0	0.51	0.58
V341622		0.04	6.2	2.6	580	23.2	121.0	<0.002	2.14	8.84	10.1	1	2.6	105.5	0.49	0.21
V341623		0.04	5.9	2.5	580	48.0	130.0	<0.002	2.12	7.63	10.2	1	2.6	101.5	0.48	0.26
V341624		0.04	5.4	2.1	480	85.0	153.5	<0.002	2.65	12.25	8.4	1	2.6	121.5	0.44	0.22
V341625		0.05	5.5	2.5	460	62.4	149.5	<0.002	2.79	11.10	9.1	1	3.3	105.0	0.45	0.28
V341626		0.32	8.6	2.2	610	17.6	119.0	<0.002	0.53	6.25	11.2	1	2.3	155.0	0.69	0.11
V341627		0.55	7.4	2.3	560	20.3	117.5	<0.002	1.23	8.89	9.9	1	2.3	178.0	0.61	0.16
V341628		0.23	7.2	2.5	560	53.3	173.5	<0.002	1.57	7.04	10.2	1	2.1	147.0	0.57	0.32
V341629		0.03	5.9	2.4	470	716	221	<0.002	3.99	10.65	9.5	1	5.6	42.2	0.49	0.22
V341630		1.01	9.5	2.2	500	16.9	90.4	<0.002	0.13	7.99	9.0	1	1.7	150.0	0.92	0.12
V341631		0.15	6.3	15.7	520	495	159.0	0.004	2.74	28.0	9.2	1	5.5	110.0	0.50	0.31
V341632		1.85	9.2	2.2	520	22.5	104.0	<0.002	0.23	3.79	9.5	1	1.5	231	0.93	0.15
V341633		0.06	9.6	2.4	560	11.1	89.1	<0.002	0.45	17.45	10.4	1	1.9	65.2	0.87	0.21
V341634		0.03	6.0	2.2	440	319	122.0	<0.002	1.12	28.6	7.3	1	1.3	129.0	0.53	0.41
V341635		<0.01	0.2	1.5	190	1.7	1.4	<0.002	<0.01	0.12	0.2	1	<0.2	47.7	<0.05	<0.05
V341636		0.02	6.2	2.0	360	359	99.0	<0.002	0.56	36.1	4.9	1	1.8	317	0.51	0.05
V341637		0.03	9.7	3.6	680	63.0	148.0	<0.002	0.18	21.9	6.4	1	1.5	503	0.73	<0.05
V341638		0.03	9.5	4.3	670	50.5	158.5	<0.002	0.24	17.75	6.5	1	1.4	391	0.71	<0.05
V341639		<0.01	0.1	1.4	190	1.6	1.0	<0.002	<0.01	0.07	0.1	1	<0.2	50.1	<0.05	<0.05
V341640		0.03	7.3	2.6	530	1140	180.0	<0.002	0.96	27.4	7.6	1	2.7	147.5	0.59	0.06
V341641		0.02	5.5	2.1	400	>10000	148.5	<0.002	4.77	249	6.2	1	7.0	59.9	0.46	0.16
V341642		0.03	7.8	2.6	570	109.0	141.0	<0.002	0.65	14.10	8.8	1	2.3	114.5	0.64	0.16
V341643		0.03	6.9	2.3	550	1145	169.0	<0.002	2.72	22.1	8.3	1	4.7	96.5	0.56	0.15
V341644		0.03	8.2	2.4	600	123.5	115.5	<0.002	0.51	23.2	9.7	1	1.8	101.5	0.67	0.13



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 4-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156930

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		Th	Ti	Ti	U	V	W	Y	Zn	Zr	Au
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
V341609		12.00	0.250	2.63	3.0	73	3.0	12.9	1560	25.0	0.122
V341610		11.50	0.194	2.35	3.5	56	2.4	12.7	2190	23.4	3.55
V341611		13.50	0.247	1.82	5.1	69	2.1	13.7	93	28.2	0.021
V341612		12.00	0.225	2.29	4.5	69	2.8	12.4	160	24.4	0.107
V341613		11.55	0.229	2.17	4.3	70	2.8	12.3	169	23.6	0.101
V341614		12.05	0.254	2.59	4.2	72	2.7	13.4	184	22.2	0.031
V341615		11.60	0.268	2.19	5.4	75	2.1	14.4	115	22.3	0.029
V341616		11.40	0.230	2.80	3.4	69	3.1	11.9	532	21.7	0.113
V341617		9.47	0.175	2.45	8.2	51	3.2	10.2	6270	19.6	1.660
V341618		12.40	0.213	2.63	3.8	63	2.8	12.7	360	23.9	0.084
V341619		9.96	0.194	2.45	4.8	58	5.5	11.2	2310	27.3	0.861
V341620		11.85	0.228	2.02	4.6	66	1.8	16.4	235	23.3	0.015
V341621		13.95	0.154	2.29	2.7	71	2.1	12.9	130	28.4	0.798
V341622		12.30	0.202	2.00	4.0	64	1.8	13.3	66	30.3	0.012
V341623		12.65	0.194	2.14	3.7	65	1.9	13.3	110	28.4	0.011
V341624		10.45	0.174	2.11	2.5	54	2.6	13.4	2510	23.3	0.016
V341625		10.90	0.179	2.11	3.7	63	2.0	12.8	182	25.5	0.035
V341626		13.55	0.258	1.78	3.9	67	2.2	15.7	52	41.9	<0.005
V341627		12.20	0.237	1.70	3.7	65	2.0	14.8	57	34.9	0.005
V341628		12.95	0.216	2.29	2.8	61	1.6	15.9	92	34.5	0.009
V341629		10.95	0.181	2.88	2.2	68	3.7	10.8	1070	27.5	0.151
V341630		16.20	0.216	1.39	4.0	56	2.1	18.5	52	48.6	<0.005
V341631		10.90	0.203	2.55	5.0	66	5.4	12.5	894	30.7	0.361
V341632		15.55	0.228	1.34	5.0	56	1.1	16.8	54	46.5	<0.005
V341633		14.45	0.248	1.54	3.3	59	3.2	15.2	59	40.3	0.005
V341634		11.45	0.166	1.92	4.9	49	2.3	12.9	809	34.2	0.194
V341635		0.14	<0.005	0.02	0.6	2	0.1	0.9	17	<0.5	<0.005
V341636		7.86	0.181	1.81	4.6	45	3.7	13.2	843	65.4	0.141
V341637		9.21	0.278	3.42	6.6	67	7.9	15.2	862	123.0	0.016
V341638		9.55	0.260	3.15	6.3	62	6.1	15.1	317	117.0	0.027
V341639		0.08	<0.005	<0.02	0.7	2	0.1	0.8	18	0.5	<0.005
V341640		11.95	0.222	3.25	5.5	60	4.1	14.4	1400	44.9	0.365
V341641		9.42	0.174	2.57	5.2	49	3.0	10.1	>10000	25.4	>10.0
V341642		13.25	0.243	2.87	5.1	63	3.3	15.2	349	34.4	0.028
V341643		10.20	0.215	2.73	3.6	57	4.6	12.5	2190	43.8	0.311
V341644		12.70	0.252	2.27	4.1	66	3.9	16.2	262	37.0	0.020



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 4-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17156930

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	Au-GRA22
ME-MS61	ME-OG62	Pb-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

CERTIFICATE WH17156935

Project: Klaza

P.O. No.: 17-081

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 28-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17156935

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Pb-OG62 Pb %	Zn-OG62 Zn %	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	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V341573		7.30			3.78	6.42	7020	430	1.39	0.78	2.26	34.1	41.3	5.4	9	13.50
V341574		6.30			0.35	6.99	134.5	1990	1.59	0.15	2.38	1.75	38.8	7.0	9	24.0
V341575		4.43			2.74	7.31	2810	1540	1.60	0.65	2.82	43.2	50.2	6.6	9	20.2
V341576		7.09			5.60	7.03	175.5	1700	1.38	6.16	1.86	29.9	42.2	6.7	10	17.60
V341577		5.67			0.79	6.97	119.0	1740	1.46	0.39	1.84	1.58	37.7	5.8	8	15.80
V341578		9.52			0.27	6.99	32.3	2120	1.58	0.25	2.27	0.68	41.5	6.2	9	16.25
V341579		6.51			0.32	7.09	25.6	1820	1.70	0.30	2.34	0.59	41.8	6.2	9	15.70
V341580		10.36			0.46	7.27	16.6	2100	1.75	0.42	2.86	0.20	47.2	8.7	10	16.15
V341581		6.34			0.49	7.45	41.0	1930	1.80	0.22	2.27	1.51	45.0	6.9	9	19.95
V341582		9.10			0.61	7.73	20.7	2620	1.43	0.55	1.89	2.61	49.9	8.9	11	12.15
V341583		9.91			1.65	7.57	54.4	2130	1.76	0.51	2.51	9.88	51.1	5.4	11	17.65
V341584		10.29			1.15	7.41	59.1	3140	1.81	0.65	2.00	5.31	49.9	7.0	10	30.3
V341585		11.43			0.12	7.22	18.2	1180	2.22	0.18	2.98	0.52	55.5	5.3	15	20.2
V341586		6.62			0.28	6.84	22.1	1880	1.99	0.43	2.64	0.77	50.4	6.0	13	21.6
V341587		4.70			0.90	7.28	129.0	1940	1.60	0.89	2.41	2.48	48.3	7.3	8	14.20
V341588		2.96			0.74	7.01	17.8	1040	1.49	0.81	2.74	0.57	56.7	12.1	9	17.75
V341589		4.70			1.73	7.75	36.2	1140	1.61	1.12	2.67	4.28	50.0	10.8	10	7.89
V341590		<0.02			1.46	6.95	34.8	1130	1.52	1.12	2.56	4.27	43.2	10.9	9	7.30
V341591		5.30			5.67	6.73	81.9	450	1.37	3.90	1.00	8.32	30.4	31.8	10	5.06
V341592		4.88			3.64	8.00	51.9	530	1.56	3.36	1.53	2.04	57.8	17.0	10	13.90
V341593		4.74			0.85	7.85	11.9	850	1.62	1.16	1.78	0.41	52.6	10.7	10	12.25
V341594		10.13			0.78	7.66	23.3	980	1.64	0.82	2.29	13.40	53.8	10.1	10	7.76
V341595		0.32			12.90	7.02	1700	1020	1.53	11.55	2.03	35.7	45.9	19.3	21	13.80
V341596		11.16			0.27	6.97	16.5	1500	1.68	0.65	3.18	0.65	69.0	10.5	10	7.91
V341597		4.15			1.93	7.76	64.3	800	1.58	1.13	2.10	5.44	87.1	16.7	10	9.42
V341598		9.72			36.4	5.94	302	370	1.15	9.77	1.16	88.8	31.5	9.1	10	6.87
V341599		6.40			0.11	0.08	1.4	30	0.08	0.06	23.2	0.32	1.21	0.7	<1	0.16
V341600		3.38			0.15	8.40	63.0	760	2.20	0.21	2.09	0.44	73.5	8.3	26	28.5
V341601		7.45			28.6	5.83	389	240	1.25	8.26	0.82	93.3	49.7	8.3	8	7.97
V341602		6.13	1.095	1.530	33.8	6.40	341	330	1.32	4.63	0.32	226	52.6	9.2	9	6.69
V341603		9.68			1.00	8.01	66.9	1530	1.50	0.63	1.69	3.22	47.4	5.3	9	13.80
V341604		4.10			5.03	7.43	1645	470	1.55	3.31	1.29	19.85	42.6	9.4	11	9.46
V341605		6.16			0.03	0.09	1.5	30	0.09	0.05	22.1	0.14	1.28	0.8	1	0.34
V341606		3.89			1.04	7.30	19.8	480	1.56	1.07	2.32	0.40	53.8	7.8	9	8.35
V341607		4.59			0.86	7.63	49.3	1590	1.55	0.81	3.32	0.80	89.7	13.0	9	10.75
V341608		0.32			10.10	7.04	1940	1060	1.61	6.42	2.03	45.5	43.9	17.8	22	16.95



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17156935

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
V341573		35.6	3.88	14.65	0.12	0.9	0.199	2.41	21.5	71.1	0.82	1580	1.34	0.02	5.7
V341574		18.5	2.87	16.90	0.15	1.3	0.056	3.16	17.9	103.0	0.63	875	1.14	0.09	7.7
V341575		64.9	3.59	16.05	0.15	1.1	0.329	3.00	27.3	44.0	0.95	1980	1.19	0.03	6.6
V341576		170.0	3.24	16.15	0.15	1.1	2.24	3.29	20.9	30.7	0.68	1450	2.74	0.07	6.8
V341577		22.8	2.83	16.20	0.15	1.2	0.065	3.09	17.9	37.6	0.56	1500	1.24	0.08	7.2
V341578		12.7	2.97	16.35	0.14	1.2	0.077	2.96	20.3	20.2	0.64	922	1.17	0.71	7.2
V341579		10.2	2.86	16.80	0.14	1.1	0.070	2.96	20.2	19.2	0.63	974	1.41	0.71	7.3
V341580		12.0	3.15	16.50	0.16	1.2	0.070	2.79	24.4	13.8	0.76	703	1.45	1.64	7.1
V341581		25.8	3.09	16.55	0.14	1.3	0.058	3.09	21.8	21.1	0.70	700	1.82	1.15	7.7
V341582		10.3	3.49	17.10	0.18	1.2	0.075	3.10	25.4	29.9	0.67	993	0.37	0.30	7.6
V341583		7.9	3.44	16.50	0.16	1.1	0.125	3.05	26.5	24.4	0.82	877	0.70	1.31	7.2
V341584		7.3	3.12	15.75	0.15	1.0	0.111	3.01	25.7	21.3	0.80	874	2.93	0.07	6.6
V341585		6.8	2.46	19.15	0.18	3.2	0.029	2.41	27.0	189.0	0.76	506	0.99	0.04	9.6
V341586		20.3	2.36	18.90	0.14	2.9	0.032	2.38	24.2	84.8	0.76	517	2.56	0.03	9.9
V341587		31.7	3.12	15.40	0.13	1.1	0.112	1.95	24.8	127.0	0.86	1080	6.88	0.03	7.3
V341588		5.1	2.96	14.80	0.13	1.2	0.101	2.74	30.5	48.2	0.97	1240	6.78	0.03	7.1
V341589		9.3	3.66	16.55	0.14	1.2	0.127	3.65	25.9	6.6	0.95	2360	4.01	0.03	7.5
V341590		7.9	3.52	16.05	0.12	1.2	0.125	3.56	20.5	5.9	0.85	2300	4.02	0.03	7.3
V341591		26.9	4.76	13.45	0.10	1.0	0.335	3.26	13.5	10.6	0.46	1060	16.35	0.03	6.4
V341592		10.9	5.25	15.95	0.13	1.0	0.174	3.73	32.3	8.6	0.69	1270	6.49	0.04	6.7
V341593		2.9	3.32	16.95	0.10	1.1	0.168	3.53	26.4	57.3	0.74	1220	1.87	0.04	7.3
V341594		8.2	2.97	16.40	0.14	1.0	0.219	2.61	29.3	54.9	0.70	1020	1.65	0.20	6.9
V341595		302	6.98	16.00	0.13	1.1	0.794	3.01	23.9	21.5	0.83	1970	9.87	0.13	6.5
V341596		3.2	2.37	16.55	0.13	1.1	0.142	2.28	36.8	29.2	0.70	997	0.30	0.69	7.1
V341597		19.1	3.00	16.35	0.13	1.0	0.196	3.33	51.3	40.8	0.79	1700	4.79	0.06	6.2
V341598		244	4.53	13.85	0.09	0.7	1.260	2.77	16.9	11.0	0.54	1550	9.82	0.03	5.3
V341599		3.0	0.53	0.26	0.11	<0.1	0.009	0.03	0.6	1.1	14.20	222	0.17	<0.01	0.2
V341600		10.7	2.96	20.3	0.14	4.5	0.041	2.42	36.6	205	1.03	847	0.78	0.03	11.6
V341601		391	6.77	13.45	0.10	0.7	1.770	2.67	26.9	24.9	0.40	1720	51.5	0.04	5.3
V341602		172.5	7.24	14.15	0.09	0.7	1.535	2.92	27.8	13.3	0.43	1760	11.75	0.03	5.4
V341603		15.8	3.26	17.30	0.11	1.0	0.076	3.41	24.1	60.9	0.60	1520	1.99	0.06	8.0
V341604		52.6	5.18	15.55	0.11	0.9	0.259	3.46	22.9	9.6	0.63	1760	5.24	0.03	5.6
V341605		3.0	0.51	0.30	0.08	<0.1	0.005	0.04	0.6	1.3	13.45	216	0.14	0.01	0.3
V341606		7.0	3.41	14.85	0.09	1.3	0.073	3.42	28.4	62.0	0.73	1260	8.65	0.05	5.0
V341607		3.5	3.73	17.30	0.12	0.9	0.124	3.34	54.7	17.4	1.14	1550	0.88	0.14	6.8
V341608		115.0	5.54	15.40	0.10	1.4	0.931	3.00	22.7	26.3	0.75	2160	12.65	0.28	7.4



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17156935

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005
V341573		480	800	106.5	<0.002	1.96	32.0	8.6	<1	4.9	152.5	0.54	<0.05	9.80	0.211
V341574		600	53.9	105.0	<0.002	0.21	17.65	10.5	1	1.8	148.5	0.68	<0.05	10.55	0.256
V341575		530	494	148.5	<0.002	1.21	35.1	10.2	1	3.1	132.0	0.57	<0.05	12.10	0.229
V341576		560	396	118.5	<0.002	0.70	29.4	9.9	1	1.8	91.5	0.58	<0.05	11.60	0.236
V341577		570	70.8	103.5	<0.002	0.57	14.55	9.8	1	2.0	87.3	0.63	<0.05	11.30	0.246
V341578		590	33.3	110.0	<0.002	0.27	9.02	10.2	1	2.0	157.0	0.60	<0.05	11.65	0.246
V341579		580	33.5	118.5	<0.002	0.32	8.86	10.3	1	2.3	145.0	0.60	0.08	11.20	0.244
V341580		590	23.5	110.5	<0.002	0.36	4.80	10.6	1	2.2	274	0.62	0.15	11.95	0.244
V341581		610	91.1	122.0	<0.002	0.35	7.06	10.9	1	2.3	221	0.67	0.05	11.85	0.266
V341582		620	193.0	127.0	<0.002	0.66	12.05	11.0	1	2.4	116.5	0.67	0.24	12.55	0.256
V341583		600	301	127.0	<0.002	0.55	6.70	10.4	1	2.2	243	0.60	0.54	12.90	0.253
V341584		570	389	130.5	<0.002	0.70	9.19	9.6	1	2.5	165.5	0.59	0.16	12.65	0.241
V341585		1000	24.9	69.9	<0.002	0.03	13.15	4.6	<1	1.7	621	0.71	<0.05	8.32	0.299
V341586		950	44.5	68.7	<0.002	0.10	10.95	4.6	<1	2.2	388	0.75	<0.05	7.86	0.282
V341587		630	77.0	88.4	<0.002	0.51	20.7	10.1	1	2.4	184.0	0.61	0.08	12.50	0.254
V341588		610	55.7	144.0	<0.002	1.20	10.85	10.3	1	2.7	95.5	0.63	0.29	11.85	0.233
V341589		610	290	224	<0.002	2.23	7.56	10.3	1	4.0	49.9	0.66	0.49	13.00	0.256
V341590		610	258	185.0	<0.002	2.23	7.24	10.0	1	3.9	47.2	0.65	0.38	12.10	0.243
V341591		410	348	204	0.004	4.38	14.65	7.3	1	6.5	15.6	0.54	2.28	13.20	0.215
V341592		590	152.0	238	<0.002	4.53	9.83	9.9	2	4.6	39.2	0.51	1.44	12.65	0.251
V341593		620	38.9	202	<0.002	2.30	6.89	10.7	1	3.8	69.4	0.65	0.50	13.25	0.238
V341594		640	174.5	148.5	<0.002	1.77	14.60	10.8	1	2.9	86.8	0.60	0.27	12.85	0.247
V341595		580	1420	168.5	0.002	5.01	68.6	9.7	2	8.4	101.5	0.55	1.68	10.50	0.223
V341596		610	27.3	111.5	<0.002	0.93	8.17	10.0	1	2.5	160.5	0.63	0.26	11.55	0.232
V341597		630	266	186.0	<0.002	1.83	11.95	10.7	1	3.6	83.7	0.50	0.41	11.35	0.217
V341598		430	9130	181.5	<0.002	4.34	61.0	8.0	1	3.9	44.1	0.43	0.33	9.35	0.178
V341599		190	26.6	1.7	<0.002	0.01	0.29	0.2	1	<0.2	47.9	<0.05	<0.05	0.11	<0.005
V341600		1560	40.6	78.7	<0.002	0.10	16.25	6.9	<1	2.0	1530	0.79	<0.05	8.90	0.403
V341601		430	5180	155.0	<0.002	7.13	137.5	6.8	1	6.3	34.2	0.45	0.34	9.76	0.172
V341602		540	>10000	169.5	<0.002	6.51	63.0	9.1	1	6.8	23.3	0.46	0.35	10.65	0.194
V341603		640	178.0	147.5	<0.002	1.26	13.90	10.7	1	3.1	112.0	0.68	0.20	12.90	0.262
V341604		550	1185	202	<0.002	3.78	17.50	9.9	1	5.5	34.7	0.48	0.51	11.45	0.210
V341605		180	5.1	2.2	<0.002	0.01	0.16	0.2	1	<0.2	49.4	<0.05	<0.05	0.11	<0.005
V341606		520	62.7	166.5	<0.002	2.47	15.65	9.0	1	2.4	94.1	0.48	0.43	15.10	0.177
V341607		650	42.9	174.5	<0.002	1.83	5.68	10.6	1	3.5	109.5	0.55	0.38	11.55	0.241
V341608		540	1485	158.5	<0.002	3.30	35.6	8.7	<1	6.2	159.5	0.63	0.30	11.30	0.221



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 1-SEP-2017
Account: ROCKHA

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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	Au-AA24 Au ppm 0.005
V341573		3.1	60	4.6	11.8	2490	27.4	2.52
V341574		4.1	70	3.0	14.2	149	38.3	0.031
V341575		5.0	65	3.9	15.6	2910	31.8	1.110
V341576		4.0	66	4.7	14.3	2930	33.3	0.164
V341577		3.4	68	4.2	12.1	146	33.2	0.063
V341578		4.8	68	2.6	15.4	92	32.6	0.006
V341579		5.4	69	2.7	15.0	79	34.6	0.014
V341580		4.3	68	2.9	16.7	54	36.1	0.029
V341581		4.5	77	2.5	16.1	144	37.4	0.011
V341582		3.4	70	2.7	16.6	243	32.6	0.018
V341583		4.4	70	2.2	15.6	712	33.1	0.030
V341584		4.0	68	2.6	14.5	405	30.9	0.014
V341585		3.5	49	1.6	8.1	133	118.0	<0.005
V341586		4.7	48	2.0	8.3	146	98.0	<0.005
V341587		4.6	72	2.6	14.8	197	31.3	0.089
V341588		6.5	69	2.6	14.1	79	32.9	0.024
V341589		5.7	70	3.9	12.3	439	32.1	0.072
V341590		5.5	69	3.6	11.5	442	31.0	0.116
V341591		3.7	51	7.4	7.9	809	29.3	0.224
V341592		6.0	66	5.7	11.7	190	29.1	0.252
V341593		4.5	70	2.0	13.8	62	29.4	0.017
V341594		4.7	73	1.6	13.3	995	27.8	0.018
V341595		5.4	67	6.1	12.0	2570	29.8	0.859
V341596		5.0	69	1.1	13.6	87	30.8	0.066
V341597		5.5	64	2.2	13.1	580	27.6	0.042
V341598		3.0	51	3.6	7.7	8980	20.7	0.393
V341599		0.8	2	0.1	0.8	42	<0.5	<0.005
V341600		5.1	75	4.3	12.1	112	179.5	<0.005
V341601		8.2	51	2.9	8.3	9180	18.5	0.645
V341602		4.5	55	5.1	8.1	>10000	19.4	0.825
V341603		5.5	75	2.8	13.3	283	28.1	0.053
V341604		7.4	68	3.4	10.0	2160	26.1	0.447
V341605		0.7	3	0.1	0.8	24	<0.5	<0.005
V341606		6.3	59	2.3	9.6	70	34.2	0.044
V341607		6.2	69	1.8	15.1	93	25.1	0.022
V341608		5.5	62	5.2	11.9	3230	40.1	0.749



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 1-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17156935

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	ME-MS61	ME-OG62	Pb-OG62
	Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 28-AUG-2017
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CERTIFICATE WH17159623

Project: Klaza

P.O. No.: 17-085

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 28-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159623

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
W588503		9.82	10.60	6.31	680	2180	1.17	3.44	1.80	18.85	36.2	9.2	10	10.00	80.8	5.04
W588504		4.88	4.20	7.13	137.0	1460	1.60	0.30	1.16	3.12	52.3	7.5	10	25.4	24.7	3.11
W588505		7.63	1.53	7.58	60.3	1960	1.53	0.51	1.97	10.10	46.6	6.4	10	19.35	34.0	2.89
W588506		2.30	42.8	6.83	1165	1020	1.40	1.30	1.64	29.2	43.6	8.4	9	11.35	187.0	5.05
W588507		3.47	0.54	7.19	30.2	1070	1.43	0.72	3.73	0.68	41.5	14.1	12	8.65	5.4	3.33
W588508		6.07	0.29	7.89	30.9	3260	1.39	0.50	1.08	3.47	47.7	9.9	9	18.75	6.6	2.73
W588509		0.30	4.80	7.04	739	780	1.40	3.25	2.16	10.35	51.3	13.4	25	14.25	322	5.26
W588510		3.52	9.05	5.96	238	890	1.40	0.80	1.40	25.9	39.4	7.3	11	16.75	36.5	3.36
W588511		3.70	4.30	7.28	46.7	900	1.66	1.05	0.96	27.2	52.8	9.1	10	11.40	110.5	4.10
W588512		2.02	0.15	7.02	9.4	2040	1.63	0.21	2.86	0.24	39.0	6.6	9	13.75	8.4	3.06
W588513		11.10	0.29	7.38	15.4	2040	1.59	0.20	2.66	0.99	44.2	8.1	11	18.05	10.3	3.30
W588514		4.48	0.15	7.25	29.1	2040	1.50	0.14	2.73	0.35	39.0	6.9	10	20.1	8.3	3.14
W588515		3.04	12.45	7.54	182.0	1640	1.62	0.56	2.11	33.4	53.3	6.7	9	18.55	63.8	3.91
W588516		6.06	0.03	0.08	<0.2	30	0.07	0.04	21.6	0.08	1.24	0.7	<1	0.20	1.7	0.49
W588517		11.91	0.92	7.63	30.1	2780	1.38	0.36	1.90	5.42	45.2	11.1	11	24.7	8.3	3.42
W588518		5.25	3.37	7.14	4110	1190	1.53	0.33	2.14	31.3	42.1	6.5	10	20.3	56.7	3.60
W588519		<0.02	4.19	7.20	5330	1270	1.70	0.33	2.06	34.3	41.8	6.8	10	21.7	77.3	3.76
W588520		4.45	2.31	8.40	174.5	2100	1.83	0.59	3.85	7.01	53.1	6.6	9	18.50	11.0	4.38
W588521		4.02	2.37	7.29	173.0	2210	1.70	0.83	3.55	7.03	54.3	7.7	11	19.65	21.0	3.17
W588522		9.31	0.48	6.95	37.1	960	1.80	0.25	2.72	0.94	44.8	6.6	10	27.7	9.2	2.52
W588523		7.79	0.36	7.36	45.8	1130	2.17	0.34	2.27	1.04	45.1	5.9	10	29.3	7.8	2.66
W588524		6.73	1.03	8.01	45.2	3380	1.63	0.82	3.97	1.11	48.9	9.4	7	13.20	3.5	4.72
W588525		3.87	1.31	8.13	51.6	3540	1.62	0.98	3.79	1.93	51.5	10.0	8	13.85	5.5	4.57
W588526		10.34	0.83	7.35	40.8	1650	1.67	0.32	1.83	2.17	44.7	6.7	10	20.3	12.7	3.35
W588527		5.30	1.06	7.53	49.3	2000	1.68	0.70	2.00	0.73	50.5	6.4	10	22.6	6.1	2.70
W588528		1.63	30.6	6.61	214	1170	1.43	18.75	2.80	131.0	46.0	8.9	9	23.2	485	3.92
W588529		0.26	12.65	6.51	1625	280	1.42	13.70	1.93	31.4	39.8	19.2	20	13.80	292	6.72
W588530		9.18	0.73	7.35	46.5	1290	1.69	0.81	1.96	0.56	40.5	6.9	9	20.8	10.3	2.80
W588531		7.30	5.99	6.70	137.5	2060	1.59	2.61	2.20	27.6	36.9	7.8	9	26.9	62.3	3.08
W588532		3.49	3.08	7.02	122.5	1940	1.79	1.61	2.12	11.85	42.8	7.1	10	28.0	31.3	3.20
W588533		6.21	0.01	0.06	0.4	30	0.05	0.04	21.2	0.08	1.07	0.6	1	0.14	1.4	0.48
W588534		4.41	0.97	7.27	87.4	1340	1.65	0.74	2.54	3.20	38.7	7.6	9	25.3	11.6	3.10
W588535		2.19	19.35	6.99	228	1550	1.74	10.80	1.92	117.0	39.8	7.7	10	29.4	274	3.89
W588536		3.53	0.60	7.56	34.6	1650	1.83	0.23	1.21	1.03	66.3	6.3	17	22.7	15.0	2.50
W588537		3.37	7.10	7.29	4220	900	1.61	0.46	1.60	35.5	50.2	5.0	10	19.50	42.4	4.65
W588538		7.05	1.29	7.22	43.8	1610	1.58	0.24	1.78	5.55	36.6	4.7	10	22.0	5.9	3.25



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
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Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159623

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588503		12.50	0.14	0.8	0.222	2.92	18.7	15.9	0.70	2620	16.60	0.03	5.5	2.5	450
W588504		14.15	0.15	1.1	0.047	2.66	27.7	159.0	0.52	1500	8.37	0.03	7.2	2.5	520
W588505		15.55	0.13	1.2	0.066	2.71	23.4	249	0.63	1280	0.96	0.05	8.2	2.6	620
W588506		13.65	0.16	0.8	0.116	3.26	22.1	19.8	0.57	998	5.15	0.14	6.2	2.5	510
W588507		15.15	0.16	1.0	0.063	2.69	20.7	12.8	0.67	1120	0.75	1.15	7.3	3.0	600
W588508		15.40	0.15	1.4	0.045	2.83	24.1	127.5	0.34	788	2.27	0.08	9.1	2.4	570
W588509		15.00	0.16	1.1	0.312	3.10	28.1	26.9	0.82	1980	13.90	0.16	6.4	14.4	530
W588510		11.55	0.15	1.0	0.183	2.63	21.6	50.9	0.53	1340	3.61	0.03	5.8	2.1	410
W588511		14.55	0.15	1.2	0.170	2.41	27.5	93.1	0.49	1060	13.05	0.04	6.9	2.5	560
W588512		15.20	0.14	1.1	0.045	2.63	19.0	11.8	0.73	649	2.34	2.28	8.3	2.5	600
W588513		15.35	0.15	1.1	0.050	2.78	21.4	25.5	0.73	896	2.46	1.84	8.6	2.5	630
W588514		15.20	0.13	1.0	0.044	2.84	18.7	39.1	0.71	810	1.40	1.70	8.7	2.2	650
W588515		14.85	0.17	1.0	0.256	3.07	27.5	89.0	0.84	1480	1.18	0.07	7.0	2.4	590
W588516		0.19	0.09	<0.1	0.005	0.03	0.6	1.2	13.70	210	0.15	0.01	0.2	1.3	190
W588517		15.95	0.18	1.0	0.093	2.82	22.8	49.9	0.73	1020	0.90	0.05	7.8	2.7	630
W588518		14.80	0.15	0.9	0.173	2.98	20.7	42.3	0.76	1300	1.49	0.03	7.8	2.3	620
W588519		15.45	0.14	0.9	0.168	3.07	20.9	46.5	0.74	1300	1.47	0.03	8.0	2.3	590
W588520		16.55	0.19	1.2	0.156	3.07	24.3	84.5	1.21	1620	2.93	0.06	10.5	3.5	760
W588521		15.25	0.18	2.0	0.150	3.08	29.5	50.6	1.37	1700	10.90	0.04	8.3	3.4	640
W588522		16.25	0.16	3.2	0.043	2.76	21.4	76.2	0.89	713	2.01	0.04	9.9	3.7	700
W588523		17.30	0.15	3.3	0.048	2.66	21.4	247	0.80	799	0.87	0.03	10.8	3.6	780
W588524		16.95	0.16	1.3	0.128	1.99	25.0	261	1.16	1370	0.99	0.29	8.7	2.4	690
W588525		17.40	0.14	1.2	0.144	2.08	26.0	273	1.13	1350	1.00	0.19	8.3	2.5	670
W588526		15.40	0.16	1.4	0.089	2.88	22.0	106.0	0.62	918	1.88	0.23	8.5	2.1	570
W588527		14.45	0.17	1.4	0.058	2.40	27.2	175.0	0.79	835	2.15	0.04	7.5	2.0	520
W588528		13.85	0.14	1.6	1.740	2.72	23.7	46.5	1.03	956	1.75	0.04	7.0	3.0	540
W588529		15.25	0.13	1.0	0.785	2.95	19.3	20.3	0.77	1830	8.69	0.13	6.3	11.6	550
W588530		16.00	0.13	1.4	0.063	2.23	20.4	228	0.70	778	2.20	0.06	8.4	1.9	570
W588531		15.25	0.12	1.5	0.645	2.66	18.9	75.5	0.78	864	5.93	0.04	7.8	2.6	550
W588532		15.35	0.14	1.7	0.237	2.57	21.8	153.0	0.84	922	1.94	0.05	8.4	2.8	630
W588533		0.16	0.08	<0.1	<0.005	0.02	0.5	1.3	13.30	203	0.10	<0.01	0.1	0.9	170
W588534		16.15	0.15	1.2	0.110	2.43	18.8	209	0.79	801	1.52	0.07	8.5	2.3	660
W588535		16.00	0.12	1.6	1.685	2.82	20.0	47.2	0.75	919	2.93	0.05	7.8	3.3	600
W588536		18.90	0.15	4.1	0.037	2.18	35.1	113.0	0.64	611	3.41	0.03	10.9	4.5	1130
W588537		15.40	0.13	1.3	0.279	3.13	27.7	20.0	0.67	1820	3.01	0.03	7.3	1.9	540
W588538		16.10	0.13	1.4	0.076	2.97	18.2	75.7	0.53	738	1.19	0.63	8.8	2.0	600



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 28-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17159623

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W588503		182.5	<0.002	4.52	58.2	8.3	1	3.3	56.9	0.43	1.42	8.46	0.192	2.86	4.7	57
W588504		137.0	<0.002	1.30	56.6	9.4	<1	2.2	147.0	0.60	0.08	12.60	0.238	2.50	7.1	69
W588505		122.5	0.002	1.19	32.4	9.8	1	2.5	175.0	0.65	0.18	13.05	0.259	2.16	4.4	67
W588506		194.0	0.002	4.78	86.5	9.0	1	4.2	61.8	0.49	0.66	11.25	0.213	2.24	5.0	61
W588507		137.0	<0.002	2.40	4.18	9.6	1	2.4	180.0	0.56	0.26	9.52	0.250	1.74	5.2	69
W588508		120.5	<0.002	0.40	32.5	9.9	1	1.8	148.5	0.80	0.18	16.55	0.254	1.59	4.4	65
W588509		171.5	0.005	2.80	31.1	9.2	1	5.6	113.5	0.50	0.39	11.90	0.220	2.48	5.4	69
W588510		156.0	0.002	1.98	61.5	7.3	1	1.9	45.4	0.50	0.16	11.55	0.180	2.37	4.8	53
W588511		133.0	0.002	2.28	32.2	9.9	1	3.1	96.6	0.60	0.32	14.70	0.223	1.71	5.9	62
W588512		87.1	<0.002	0.09	3.12	9.3	1	1.7	345	0.59	<0.05	9.81	0.266	1.05	3.3	71
W588513		100.0	<0.002	0.27	6.91	10.7	1	1.9	310	0.59	0.06	10.30	0.281	1.21	3.3	78
W588514		99.5	<0.002	0.16	6.85	10.8	1	1.7	297	0.62	<0.05	9.92	0.282	1.41	3.7	75
W588515		147.5	<0.002	1.71	29.5	9.8	1	2.9	156.0	0.55	0.06	12.25	0.246	2.25	5.1	67
W588516		1.4	<0.002	<0.01	0.11	0.2	<1	<0.2	47.7	<0.05	<0.05	0.11	<0.005	0.02	0.6	2
W588517		120.0	<0.002	0.56	17.50	10.4	1	2.1	110.0	0.60	0.10	11.65	0.267	1.93	5.3	69
W588518		131.0	<0.002	1.38	30.2	10.6	1	4.2	82.4	0.57	0.07	10.65	0.266	2.71	3.8	69
W588519		132.5	<0.002	1.51	36.8	10.3	1	4.6	82.0	0.56	0.06	10.70	0.267	2.83	4.0	69
W588520		127.5	<0.002	1.29	20.5	13.1	1	3.1	155.5	0.69	0.20	12.60	0.328	2.54	5.9	77
W588521		189.5	<0.002	0.91	28.5	9.1	1	2.0	186.5	0.60	0.11	11.30	0.272	2.76	5.1	65
W588522		89.7	<0.002	0.14	29.8	7.0	1	1.4	350	0.68	<0.05	7.29	0.291	1.73	8.4	70
W588523		94.2	<0.002	0.18	32.6	7.6	1	1.5	480	0.74	<0.05	7.68	0.318	1.94	4.8	75
W588524		64.3	<0.002	1.24	30.0	11.3	1	2.2	166.0	0.71	0.42	13.80	0.253	1.78	5.4	67
W588525		73.1	<0.002	1.35	30.7	11.2	1	2.3	160.0	0.69	0.49	14.50	0.249	1.86	5.2	64
W588526		112.0	<0.002	0.27	16.80	9.6	1	2.0	150.5	0.68	0.10	14.05	0.251	1.78	5.6	67
W588527		111.0	<0.002	0.39	26.8	8.8	1	1.6	163.0	0.69	0.15	15.85	0.230	1.59	5.5	63
W588528		148.5	<0.002	2.39	102.0	8.0	1	3.0	185.5	0.52	0.22	10.70	0.226	2.15	7.2	59
W588529		153.0	<0.002	4.80	63.8	8.8	2	7.5	95.4	0.51	1.26	11.15	0.217	2.49	4.8	64
W588530		75.1	<0.002	0.37	27.3	9.2	1	1.9	165.0	0.76	0.07	13.85	0.258	1.38	3.8	67
W588531		102.5	<0.002	1.36	27.8	8.1	1	2.2	204	0.62	0.17	11.15	0.242	2.03	5.3	64
W588532		107.0	<0.002	0.74	27.1	8.7	1	2.1	222	0.65	0.06	12.20	0.260	1.99	4.7	68
W588533		0.9	<0.002	<0.01	0.10	0.1	<1	<0.2	46.8	<0.05	<0.05	0.07	<0.005	0.02	0.5	2
W588534		92.8	<0.002	0.48	17.45	10.4	1	2.3	218	0.67	<0.05	11.45	0.281	1.71	3.3	76
W588535		127.0	<0.002	1.68	52.9	8.7	1	4.5	250	0.58	0.06	10.65	0.247	2.28	6.1	70
W588536		84.9	<0.002	0.12	26.5	5.5	1	2.0	779	0.67	<0.05	10.45	0.327	1.27	5.3	56
W588537		167.0	<0.002	3.08	24.9	9.3	1	3.8	137.5	0.64	0.08	14.45	0.239	2.79	9.1	65
W588538		111.5	<0.002	0.33	15.00	10.3	1	1.9	154.0	0.72	0.06	11.85	0.266	1.83	4.0	72



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Project: Klaza

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 28-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159623

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588503		3.2	9.5	1800	24.8	0.475
W588504		3.1	12.9	291	34.6	0.045
W588505		2.3	13.5	854	36.0	0.054
W588506		3.1	10.3	2680	24.6	0.474
W588507		1.8	13.3	86	30.1	0.009
W588508		2.6	14.6	450	44.2	0.007
W588509		5.4	12.8	912	34.3	0.372
W588510		2.6	10.5	1770	32.2	0.074
W588511		4.2	14.4	2720	33.4	0.030
W588512		1.3	14.5	62	33.4	0.020
W588513		1.7	15.6	154	33.4	<0.005
W588514		1.8	15.1	84	31.2	<0.005
W588515		2.5	16.0	3870	30.6	0.381
W588516		0.1	0.8	20	<0.5	<0.005
W588517		2.3	14.6	441	30.2	0.014
W588518		3.9	13.4	2560	29.6	1.205
W588519		4.0	13.6	2800	28.5	2.19
W588520		2.6	18.6	540	36.1	0.089
W588521		5.6	16.5	567	77.0	0.085
W588522		2.8	13.5	119	129.0	0.018
W588523		4.8	14.5	146	134.0	0.014
W588524		2.6	16.2	162	41.6	0.021
W588525		2.5	15.8	228	38.0	0.026
W588526		4.5	14.4	204	46.7	0.035
W588527		5.8	15.0	105	43.2	0.024
W588528		3.0	14.7	8330	58.2	2.06
W588529		5.7	10.7	2460	31.1	0.859
W588530		4.6	14.9	91	44.0	0.019
W588531		3.4	13.3	1960	52.6	0.319
W588532		2.9	13.5	859	60.6	0.318
W588533		0.1	0.7	18	<0.5	<0.005
W588534		3.9	14.6	255	38.3	0.041
W588535		4.3	12.3	7590	59.2	2.02
W588536		2.8	11.3	151	176.5	0.015
W588537		4.7	13.7	4100	40.2	0.889
W588538		2.6	13.3	684	41.7	0.011



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 28-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159623

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

CERTIFICATE WH17159624

Project: Klaza

P.O. No.: 17-088

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159624

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588343		7.29	0.13	7.04	17.8	1270	0.85	0.32	4.42	0.26	28.5	10.7	8	19.90	13.6	3.54
W588344		7.40	0.07	8.04	4.1	630	0.91	0.25	3.35	0.13	24.9	16.8	24	11.25	24.8	4.56
W588345		2.63	0.43	7.26	42.8	1020	0.97	0.38	4.86	0.09	24.9	14.3	7	31.0	48.8	3.81
W588346		7.40	0.09	8.06	5.5	590	1.07	0.54	3.86	0.09	24.8	15.3	8	16.70	7.9	4.20
W588347		13.44	0.08	8.50	5.0	650	1.05	0.59	2.87	0.10	23.1	17.5	7	8.41	8.1	4.73
W588348		10.86	0.10	8.24	5.5	700	1.00	0.51	2.71	0.07	26.5	16.6	8	15.30	13.4	4.49
W588349		2.59	0.10	7.20	27.5	560	0.79	0.41	5.78	0.05	24.1	11.5	4	18.15	4.2	3.84
W588350		<0.02	0.11	7.21	27.3	560	0.79	0.42	5.73	0.04	23.6	11.2	5	17.50	4.1	3.85
W588351		7.90	0.04	7.84	4.4	990	0.97	0.20	3.59	0.04	25.5	10.3	7	13.70	8.4	4.17
W588352		6.23	0.23	8.02	3.9	1070	1.15	1.08	3.31	0.09	25.2	19.2	8	9.34	54.5	5.37
W588353		8.34	0.12	7.71	4.1	440	1.06	0.93	3.54	0.17	27.4	16.0	15	13.60	3.7	4.44
W588354		6.75	0.11	8.11	5.0	1160	1.28	0.88	3.11	0.16	28.8	16.6	9	18.15	3.7	5.14
W588355		0.27	9.45	6.86	1830	580	1.51	6.49	1.92	43.0	42.2	18.2	22	17.20	108.0	5.26
W588356		4.62	0.04	8.09	5.8	520	1.11	0.16	3.17	0.10	28.8	5.5	25	15.55	3.1	4.42
W588357		5.31	0.07	7.49	5.0	810	1.13	0.19	4.07	0.16	23.8	7.5	9	13.65	6.9	3.81
W588358		3.52	2.01	7.99	131.0	1310	1.35	3.71	2.41	0.48	30.6	13.0	13	13.00	9.3	4.74
W588359		4.35	4.11	7.11	186.5	180	0.68	6.17	1.44	6.31	19.25	21.4	14	5.94	18.7	9.10
W588360		6.05	0.01	0.07	<0.2	30	0.06	0.03	21.0	0.06	1.15	0.8	1	0.12	1.7	0.49
W588361		6.76	2.46	7.95	131.0	240	1.00	3.81	2.42	3.25	31.3	16.8	14	9.44	20.3	5.47
W588362		8.27	0.63	7.50	46.0	1850	1.30	0.56	3.67	0.77	33.3	13.1	15	19.90	13.3	3.65
W588363		5.89	0.10	7.76	8.9	1300	1.11	0.31	3.61	0.06	25.9	13.8	15	13.75	21.7	3.57
W588364		9.43	0.15	7.75	11.3	690	1.28	0.77	3.42	0.10	30.3	23.1	13	16.35	14.3	4.79
W588365		4.10	0.13	7.85	10.2	610	1.31	0.69	3.11	0.09	29.5	20.8	13	16.00	17.5	4.69
W588366		8.49	0.34	7.09	17.2	1390	1.45	1.13	2.79	0.47	51.2	10.9	10	16.30	43.2	3.27
W588367		6.15	0.14	7.51	15.1	1060	1.62	0.42	2.64	0.17	51.3	24.9	10	13.85	9.7	3.57
W588368		12.56	0.25	7.33	30.0	1390	1.37	0.71	3.08	0.16	48.1	47.0	12	11.60	29.1	4.31
W588369		0.26	14.60	6.69	1600	670	1.43	13.50	1.86	34.4	44.9	19.2	19	14.65	283	6.61
W588370		10.93	0.69	7.44	76.2	1230	1.42	0.56	2.91	1.24	47.9	9.3	11	17.70	15.4	3.31
W588371		6.50	3.26	6.21	179.5	250	1.30	2.80	2.52	2.45	38.1	7.4	9	17.05	42.3	5.07
W588372		6.12	0.07	0.12	3.2	40	0.07	0.04	19.50	0.07	1.37	0.8	1	0.33	2.3	0.50
W588373		6.60	2.05	6.93	239	720	1.22	2.78	1.96	3.87	44.8	10.8	10	11.80	18.0	4.09
W588374		11.78	0.11	7.17	5.9	1220	1.45	1.01	3.02	0.21	43.1	7.3	14	8.53	10.0	2.85
W588375		5.06	0.11	7.29	9.2	1160	1.51	0.34	2.80	0.13	46.3	6.3	13	10.65	12.9	2.90
W588376		4.68	1.20	6.84	183.0	970	1.33	1.44	2.56	4.07	42.1	4.7	11	9.31	12.5	3.68
W588377		3.22	0.23	6.80	24.5	1270	3.14	0.97	4.41	0.29	46.7	8.0	11	61.0	17.0	2.73
W588378		4.44	0.16	7.26	8.9	1460	1.41	0.74	2.58	0.09	37.0	16.4	14	18.35	5.1	3.25



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159624

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588343		15.70	0.14	0.9	0.024	1.24	13.6	56.6	1.37	596	1.10	0.59	4.2	4.2	600
W588344		18.45	0.07	0.8	0.020	1.07	11.0	32.7	1.65	679	8.30	1.39	5.2	7.5	690
W588345		17.00	0.07	0.7	0.019	2.20	11.9	33.1	1.34	782	10.75	0.40	4.2	3.6	640
W588346		19.15	0.08	1.0	0.023	1.44	11.2	18.5	1.45	563	4.83	1.60	5.8	3.7	690
W588347		19.75	0.09	0.7	0.023	1.18	10.4	18.1	1.94	620	1.58	3.07	5.2	3.7	720
W588348		19.45	0.08	1.0	0.018	1.53	11.9	17.7	1.37	520	5.48	2.23	6.2	4.5	670
W588349		13.00	0.08	0.8	0.032	2.16	12.2	5.4	1.94	722	2.10	1.80	3.6	2.9	550
W588350		13.10	0.06	0.7	0.029	2.17	11.9	5.0	1.93	715	2.40	1.78	3.5	2.8	560
W588351		17.80	0.08	1.2	0.023	1.17	11.7	15.5	1.26	593	8.50	2.07	6.0	3.9	680
W588352		18.50	0.09	0.9	0.033	1.36	11.3	13.3	1.52	689	6.45	2.47	6.7	4.9	640
W588353		17.75	0.08	0.7	0.105	1.49	12.5	15.2	1.67	848	0.74	2.59	5.3	5.7	640
W588354		19.10	0.08	0.6	0.116	2.03	14.0	17.1	1.57	652	0.74	2.32	4.7	4.5	520
W588355		15.70	0.09	1.3	0.838	2.91	21.9	22.4	0.73	2090	11.90	0.27	7.9	14.9	510
W588356		18.65	0.09	0.7	0.033	1.76	13.4	16.8	1.81	559	1.77	2.34	6.3	7.6	710
W588357		19.25	0.08	0.5	0.021	1.00	10.6	9.3	1.21	549	0.95	2.72	5.8	3.5	760
W588358		20.3	0.09	0.5	0.149	2.99	14.9	15.6	1.08	1740	0.28	0.49	6.0	4.7	690
W588359		15.20	0.11	0.5	0.179	3.06	8.4	4.2	0.61	2370	0.23	0.08	4.1	3.9	580
W588360		0.21	<0.05	<0.1	<0.005	0.02	0.5	0.8	13.05	207	0.08	0.01	0.2	1.4	180
W588361		18.70	0.07	0.7	0.338	3.52	15.3	3.9	1.08	2450	0.30	0.07	5.7	5.0	650
W588362		17.35	0.08	0.7	0.083	2.66	16.3	63.3	1.39	1470	0.76	0.38	5.9	4.7	680
W588363		19.10	0.08	0.6	0.030	1.22	11.8	16.6	1.38	499	0.86	2.44	6.5	5.6	730
W588364		19.00	0.08	0.7	0.079	1.45	13.8	14.1	1.25	582	2.92	1.63	6.8	4.9	670
W588365		19.10	0.08	0.8	0.070	1.36	13.5	14.8	1.20	550	3.12	1.68	6.9	4.7	710
W588366		16.25	0.08	0.7	0.145	2.26	27.5	26.5	0.91	742	49.0	0.61	8.6	3.3	470
W588367		16.75	0.10	0.6	0.093	2.60	26.7	24.5	1.03	888	466	0.27	8.7	4.0	520
W588368		16.05	0.09	0.5	0.077	2.61	25.9	26.5	1.10	930	10.50	0.36	8.2	4.1	520
W588369		16.45	0.10	1.0	0.736	2.91	23.2	18.3	0.79	1880	8.70	0.12	7.1	11.8	540
W588370		16.50	0.09	0.6	0.103	2.81	26.1	17.1	1.03	1240	5.84	0.14	8.6	3.7	490
W588371		12.50	0.08	0.6	0.165	2.40	20.4	20.5	0.91	1620	2.06	0.03	7.1	3.4	390
W588372		0.31	<0.05	<0.1	0.005	0.05	0.7	1.2	12.15	208	0.16	<0.01	0.2	1.3	170
W588373		13.50	0.07	0.6	0.145	3.03	24.1	13.0	0.78	1060	1.35	0.18	8.2	3.4	430
W588374		16.30	0.08	0.6	0.038	2.42	21.8	13.2	0.84	545	224	2.04	9.1	3.5	490
W588375		15.10	0.09	0.7	0.034	2.49	24.1	13.7	0.86	627	1.61	1.76	9.0	3.7	480
W588376		13.25	0.09	0.6	0.192	3.11	23.1	9.4	1.00	1810	1.04	0.13	8.8	3.0	410
W588377		14.50	0.08	1.1	0.057	2.33	26.1	39.7	1.30	922	6.48	0.11	8.6	4.9	440
W588378		16.80	0.09	0.5	0.072	2.45	18.4	19.8	0.79	627	4.26	1.70	8.1	5.5	560



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159624

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
W588343		59.1	<0.002	0.61	2.71	15.0	1	1.1	204	0.29	<0.05	4.41	0.301	1.02	1.7
W588344		41.3	0.005	0.86	1.12	18.4	2	1.6	234	0.31	<0.05	4.53	0.406	0.65	1.5
W588345		97.4	0.005	1.20	4.34	14.6	1	1.1	135.5	0.28	<0.05	3.46	0.348	1.79	1.8
W588346		55.6	0.003	0.97	2.16	15.3	1	1.5	285	0.36	0.07	4.42	0.381	0.97	1.4
W588347		47.4	0.003	1.16	1.41	16.2	2	1.3	430	0.31	0.08	3.33	0.400	0.75	1.1
W588348		65.6	0.005	0.93	1.89	16.0	1	1.4	333	0.38	0.06	5.01	0.378	0.97	1.6
W588349		125.5	0.002	0.68	2.47	12.0	1	1.0	197.0	0.25	<0.05	3.35	0.271	1.39	1.3
W588350		126.0	0.002	0.70	2.40	11.6	1	1.0	195.5	0.24	<0.05	3.41	0.271	1.39	1.3
W588351		46.2	0.007	0.20	1.53	15.1	1	1.2	397	0.36	<0.05	4.59	0.352	0.82	1.3
W588352		61.0	0.009	1.95	1.18	16.8	1	2.1	444	0.45	0.13	5.29	0.382	0.80	2.4
W588353		75.8	<0.002	1.91	2.07	17.5	1	1.1	393	0.32	<0.05	4.52	0.383	0.98	1.2
W588354		114.0	<0.002	2.45	2.87	17.5	1	1.3	416	0.29	<0.05	3.62	0.375	1.20	1.4
W588355		151.5	<0.002	3.10	34.3	9.0	1	5.4	156.5	0.56	0.29	11.25	0.213	2.25	5.4
W588356		95.0	0.003	0.13	2.97	17.6	1	1.2	363	0.35	<0.05	4.92	0.386	1.06	1.3
W588357		40.5	<0.002	0.14	4.40	13.7	1	0.8	503	0.33	<0.05	3.37	0.352	0.74	0.8
W588358		202	<0.002	2.19	5.08	16.0	1	1.8	221	0.35	0.17	5.50	0.361	2.89	1.6
W588359		172.0	<0.002	9.38	4.47	11.4	7	5.1	84.1	0.26	0.49	3.73	0.273	2.68	1.5
W588360		1.1	<0.002	0.02	<0.05	0.2	1	<0.2	50.0	<0.05	<0.05	0.10	<0.005	<0.02	0.9
W588361		213	<0.002	4.93	6.06	13.9	2	3.2	93.9	0.34	0.18	5.27	0.346	3.28	2.1
W588362		161.0	<0.002	1.48	6.12	15.2	1	1.4	241	0.35	0.07	5.29	0.356	2.82	1.5
W588363		51.3	0.003	0.59	2.75	15.6	1	1.6	515	0.38	<0.05	4.27	0.386	0.87	1.1
W588364		79.2	0.002	1.36	3.48	15.3	1	2.2	375	0.40	0.10	5.15	0.358	1.06	1.7
W588365		72.2	0.002	1.17	3.54	15.2	1	2.7	379	0.39	0.08	5.13	0.369	0.95	1.6
W588366		115.5	0.002	0.69	8.35	11.4	1	1.9	187.0	0.63	0.12	14.30	0.259	1.27	3.0
W588367		151.0	0.022	0.74	4.07	10.5	1	2.4	131.0	0.64	0.08	13.30	0.253	1.79	3.9
W588368		145.0	<0.002	1.23	5.31	11.7	1	1.8	168.0	0.56	0.23	11.15	0.265	1.70	3.4
W588369		165.5	<0.002	4.66	65.5	10.3	2	7.7	99.9	0.51	1.78	11.40	0.211	2.35	5.6
W588370		146.5	<0.002	0.88	7.70	11.8	1	1.8	147.0	0.66	0.05	12.95	0.265	2.05	5.3
W588371		141.0	<0.002	4.21	15.40	8.3	2	2.3	98.9	0.58	0.15	11.50	0.204	2.34	4.9
W588372		2.5	<0.002	0.04	0.24	0.3	1	<0.2	49.3	<0.05	<0.05	0.20	<0.005	<0.02	0.6
W588373		173.5	<0.002	2.56	5.15	8.9	1	3.0	91.9	0.68	0.28	12.55	0.233	2.19	3.3
W588374		98.8	0.029	0.27	1.35	10.6	1	1.5	342	0.72	0.10	12.15	0.256	0.89	3.5
W588375		104.0	<0.002	0.19	1.90	11.2	1	1.8	311	0.82	<0.05	12.05	0.256	0.96	3.7
W588376		181.0	<0.002	1.34	5.54	8.6	1	2.0	87.2	0.77	<0.05	12.65	0.219	2.08	6.7
W588377		156.5	<0.002	0.18	6.11	7.9	1	2.1	388	0.65	<0.05	11.70	0.207	1.63	6.3
W588378		119.0	<0.002	0.53	2.64	12.1	1	1.3	327	0.57	0.06	9.76	0.281	1.17	2.3



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17159624

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588343		2.1	14.4	52	34.9	<0.005
W588344		1.1	14.8	65	35.2	<0.005
W588345		3.3	12.6	43	28.7	0.027
W588346		3.4	13.6	50	40.8	<0.005
W588347		1.8	13.8	55	29.3	<0.005
W588348		2.7	14.5	47	41.4	<0.005
W588349		2.2	13.9	39	31.6	0.016
W588350		2.2	13.4	39	30.2	0.016
W588351		2.3	14.2	58	48.8	<0.005
W588352		3.0	14.8	67	34.5	0.005
W588353		1.9	16.3	63	26.2	<0.005
W588354		2.2	15.9	59	21.8	<0.005
W588355		4.9	11.5	3060	42.1	0.804
W588356		3.1	15.3	50	29.8	<0.005
W588357		2.5	14.0	58	19.6	<0.005
W588358		3.8	11.4	98	20.3	0.027
W588359		5.9	7.9	474	21.1	0.199
W588360		0.1	0.7	15	<0.5	<0.005
W588361		5.0	12.0	373	27.5	0.110
W588362		5.6	13.4	127	26.9	0.085
W588363		4.5	14.3	43	22.8	<0.005
W588364		8.8	14.9	46	28.6	0.006
W588365		11.2	14.7	44	29.3	<0.005
W588366		14.1	14.8	83	20.0	0.010
W588367		9.9	13.4	69	16.0	0.005
W588368		8.5	12.6	60	13.6	0.008
W588369		5.8	11.8	2400	31.6	0.822
W588370		10.8	13.1	156	15.5	0.031
W588371		11.1	10.5	307	14.7	0.620
W588372		0.2	0.8	17	<0.5	0.015
W588373		6.3	10.1	472	15.3	0.157
W588374		42.2	14.8	52	15.6	<0.005
W588375		9.3	14.3	44	16.3	<0.005
W588376		5.8	11.1	476	15.3	0.074
W588377		8.1	15.2	90	37.5	0.005
W588378		4.1	11.9	53	13.3	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 31-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159624

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE WH17159629

Project: Klaza

P.O. No.: 17-086

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159629

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Pb-OG62 Pb %	Zn-OG62 Zn %	As-OG62 As %	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
		0.02	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
W588539		13.71				0.78	6.94	15.5	2340	1.70	0.81	2.70	0.27	43.5	5.9	13
W588540		2.85				2.27	6.80	381	2910	1.67	0.46	2.77	13.90	45.4	5.5	8
W588541		7.23				2.10	7.17	78.8	1460	1.39	2.45	2.61	6.48	47.8	5.8	15
W588542		11.00				0.80	6.83	21.6	2260	1.49	2.62	2.52	0.14	41.0	7.7	11
W588543		8.56				0.18	6.89	27.5	2350	1.35	0.38	2.37	0.12	36.1	7.9	12
W588544		3.28				0.06	7.16	53.0	1560	1.87	0.14	1.81	0.19	56.0	6.2	24
W588545		4.73				0.33	6.65	67.2	2820	1.61	0.39	2.34	0.30	37.2	7.1	10
W588546		0.26				11.95	6.37	1490	1160	1.22	11.85	1.80	31.1	41.6	16.7	19
W588547		7.32				0.55	6.70	23.8	2670	1.42	0.57	2.17	0.16	37.5	9.0	12
W588548		12.93				0.64	6.69	33.9	1590	1.41	0.82	2.01	0.23	41.8	8.5	10
W588549		4.89				1.18	6.88	31.3	2830	1.29	2.43	1.67	0.38	40.0	7.7	9
W588550		3.86				4.49	6.29	471	1820	1.39	1.00	3.19	5.60	41.4	8.1	6
W588551		3.25				2.76	7.08	86.4	1010	1.38	1.69	1.76	6.30	44.6	8.7	10
W588552		6.05				0.05	0.09	1.8	40	0.07	0.04	21.0	0.08	1.24	0.8	<1
W588553		7.30				0.83	7.14	66.9	1620	1.50	0.53	1.83	3.95	42.3	8.3	10
W588554		8.68				0.99	7.40	115.0	1830	1.56	1.04	2.96	2.85	47.7	8.1	10
W588555		1.55	2.32	2.82	1.465	95.7	5.45	>10000	280	1.01	6.11	0.20	360	27.0	5.1	9
W588556		8.88				1.06	7.37	172.0	1720	1.40	0.63	2.51	5.26	43.6	6.7	12
W588557		3.15				1.00	7.55	80.5	1820	1.52	0.51	2.63	3.44	49.3	7.5	11
W588558		5.57				0.21	6.96	22.6	2260	1.51	0.26	2.49	0.46	37.2	6.8	10
W588559		2.98				8.00	7.04	423	660	1.51	2.11	1.42	57.5	45.1	6.3	8
W588560		4.43				0.30	7.42	13.5	2530	1.07	0.27	1.71	2.63	35.4	6.8	13
W588561		0.26				9.60	6.62	1795	1520	1.42	6.14	1.88	40.8	42.8	16.5	21
W588562		8.47				0.76	7.35	25.9	2780	1.45	0.40	2.64	0.31	42.7	6.4	11
W588563		4.98				1.90	6.44	272	1930	1.34	0.77	2.51	4.17	44.6	5.6	9
W588564		<0.02				1.96	6.44	273	1820	1.41	0.70	2.55	4.12	44.5	5.6	9
W588565		8.53				0.39	7.13	56.7	1080	1.49	0.25	2.23	0.48	38.2	6.6	10
W588566		7.93				1.19	6.90	64.0	1430	1.39	0.36	2.64	1.54	36.3	7.6	9
W588567		5.40				2.16	7.30	44.4	1440	1.15	0.34	2.19	0.21	38.9	8.7	9
W588568		11.31				0.87	7.37	40.6	1770	1.09	0.24	2.46	1.01	38.3	7.4	11
W588569		6.12				0.02	0.11	0.7	50	0.07	0.04	20.3	0.07	1.36	0.8	1
W588570		6.51				0.78	6.82	35.0	1230	1.21	0.62	2.45	0.18	34.8	7.7	10
W588571		11.10				0.43	7.19	17.0	2360	1.53	1.19	2.73	0.16	43.3	6.8	11
W588572		7.13				0.29	7.01	79.8	1500	1.62	0.15	2.70	0.56	37.7	6.5	10
W588573		4.88				6.34	7.04	132.0	880	1.36	1.32	1.99	9.36	41.6	7.3	10
W588574		8.04				0.11	7.40	10.9	2130	1.52	0.22	2.60	0.22	40.1	6.0	11



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH17159629

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
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
W588539		14.05	5.7	2.86	14.65	0.18	1.4	0.055	2.79	22.4	12.8	0.66	851	2.54	1.61
W588540		24.8	12.3	3.23	14.00	0.16	1.0	0.107	2.80	24.4	42.0	0.88	2760	5.39	0.03
W588541		14.30	25.8	3.69	15.10	0.14	1.1	0.114	3.08	28.3	51.1	0.71	1540	1.40	0.15
W588542		20.2	27.7	3.03	15.40	0.17	1.1	0.062	2.60	21.8	48.0	0.68	685	0.73	0.98
W588543		24.7	4.0	2.98	15.95	0.16	1.1	0.065	2.23	19.0	45.2	0.70	610	0.80	1.35
W588544		24.3	10.1	2.68	18.45	0.17	3.9	0.035	2.00	30.2	550	0.80	635	0.86	0.03
W588545		25.4	7.7	2.56	15.75	0.18	1.4	0.036	2.88	19.9	142.5	0.68	851	7.05	0.33
W588546		12.80	279	6.47	14.75	0.14	1.0	0.759	2.74	23.7	17.7	0.74	1730	9.00	0.12
W588547		17.40	5.8	2.68	15.25	0.16	1.2	0.039	2.75	20.1	26.3	0.65	697	4.26	0.88
W588548		12.40	23.4	3.48	15.90	0.16	1.2	0.099	2.72	22.5	34.0	0.72	734	2.17	0.52
W588549		12.70	73.0	2.96	14.95	0.18	1.2	0.097	2.39	22.0	82.7	0.61	833	1.48	0.05
W588550		20.2	45.4	3.45	13.65	0.16	1.0	0.112	2.54	23.9	24.6	0.79	4400	19.05	0.02
W588551		18.30	6.7	4.19	15.85	0.17	0.9	0.054	3.06	25.5	14.3	0.71	1910	22.9	0.02
W588552		0.27	3.1	0.48	0.31	0.18	<0.1	<0.005	0.04	0.6	1.3	12.95	204	0.65	<0.01
W588553		23.2	9.4	2.93	15.95	0.16	1.0	0.055	2.77	23.5	194.0	0.67	1020	6.22	0.04
W588554		19.40	20.3	3.61	16.50	0.18	1.1	0.068	3.30	25.9	29.6	0.93	1660	3.17	0.47
W588555		9.30	701	9.05	13.10	0.11	0.7	5.71	2.54	14.6	8.3	0.30	1180	1.52	0.02
W588556		12.60	24.2	3.33	15.80	0.16	1.0	0.129	2.96	24.0	15.1	0.69	1140	2.09	1.26
W588557		13.30	19.0	3.35	16.25	0.20	1.0	0.111	2.99	27.7	16.7	0.73	1150	2.02	1.28
W588558		22.4	12.9	2.96	15.85	0.18	1.0	0.047	2.66	19.8	84.3	0.64	802	1.72	1.11
W588559		14.40	106.5	4.51	15.55	0.18	0.9	1.395	3.17	26.4	21.9	0.70	2000	4.71	0.03
W588560		12.15	9.3	3.09	17.30	0.18	1.1	0.066	2.78	18.3	32.9	0.41	893	5.46	0.10
W588561		16.80	111.5	5.29	14.95	0.15	1.3	0.896	2.84	23.8	24.1	0.70	1950	12.50	0.26
W588562		24.5	12.8	2.96	16.75	0.20	1.0	0.057	2.80	23.0	71.3	0.80	835	5.49	0.31
W588563		15.45	44.4	3.09	14.40	0.18	0.9	0.103	2.74	25.7	43.7	0.94	1570	8.32	0.03
W588564		15.45	46.7	3.07	14.40	0.19	0.9	0.100	2.73	25.6	42.6	0.94	1560	8.14	0.03
W588565		21.6	17.4	2.83	16.00	0.18	1.0	0.047	2.19	20.0	179.5	0.72	1000	1.90	0.05
W588566		14.60	15.1	2.71	16.40	0.18	1.1	0.051	2.11	18.7	101.0	0.79	1040	11.40	0.04
W588567		14.95	14.7	2.61	17.00	0.19	1.1	0.044	2.35	20.7	88.8	0.70	1270	18.40	0.04
W588568		17.50	12.5	2.90	17.15	0.20	1.1	0.046	2.68	20.1	61.2	0.77	1220	4.83	0.04
W588569		0.26	3.4	0.49	0.36	0.20	<0.1	0.005	0.04	0.7	1.7	12.60	201	0.21	<0.01
W588570		22.3	10.6	2.92	16.20	0.18	1.0	0.043	2.24	18.0	69.3	0.64	1060	3.29	0.14
W588571		17.15	20.1	2.96	16.05	0.21	0.9	0.049	2.61	23.6	12.4	0.75	664	1.07	2.01
W588572		27.7	9.4	2.95	16.30	0.19	0.9	0.039	2.80	19.3	84.2	0.66	1060	1.90	0.28
W588573		16.75	62.2	3.39	15.45	0.18	0.9	0.065	3.01	22.5	39.5	0.61	1170	1.27	0.08
W588574		23.5	13.1	3.02	16.55	0.17	1.0	0.041	2.85	21.3	54.4	0.53	592	0.83	1.34



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159629

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
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
															0.005
W588539		2.3	540	39.1	109.5	<0.002	0.30	3.20	9.3	1	1.7	284	0.65	0.37	12.30
W588540		2.5	510	355	137.0	<0.002	1.64	22.4	9.2	1	2.1	143.0	0.56	0.08	10.65
W588541		4.3	550	390	166.5	<0.002	1.70	7.06	9.9	1	4.1	112.5	0.62	0.11	13.00
W588542		2.7	570	22.7	106.5	<0.002	0.62	6.06	10.0	1	2.0	245	0.62	0.14	11.25
W588543		2.6	590	16.5	90.9	<0.002	0.48	7.50	10.2	1	1.9	269	0.59	0.09	10.10
W588544		7.0	1290	14.8	71.9	<0.002	0.08	19.90	6.4	1	1.6	570	0.65	<0.05	7.56
W588545		2.4	540	23.9	119.0	<0.002	0.59	17.60	9.2	1	1.8	214	0.60	0.09	10.70
W588546		12.0	510	1290	163.0	0.002	4.49	60.2	9.2	1	7.7	92.1	0.50	1.22	10.65
W588547		2.3	540	18.0	120.5	<0.002	0.85	7.66	9.4	1	1.7	222	0.60	0.21	11.00
W588548		2.6	540	18.6	119.0	<0.002	1.17	10.95	9.3	1	2.6	156.5	0.62	0.27	11.40
W588549		2.1	540	25.1	111.0	<0.002	0.92	24.7	9.4	1	2.2	150.0	0.56	0.41	10.95
W588550		2.3	450	776	152.0	<0.002	2.08	35.3	8.6	1	4.8	128.0	0.51	0.24	10.80
W588551		3.0	560	460	192.5	<0.002	3.49	28.9	11.5	1	2.2	70.4	0.54	0.83	11.55
W588552		1.4	190	4.2	1.9	<0.002	0.01	0.25	0.2	1	<0.2	48.7	<0.05	<0.05	0.12
W588553		2.4	570	220	124.0	<0.002	0.93	20.4	10.2	<1	2.0	156.5	0.60	0.21	11.05
W588554		2.1	730	90.7	168.5	<0.002	1.37	10.90	12.1	<1	2.2	200	0.62	0.45	11.60
W588555		1.8	380	>10000	171.5	<0.002	9.28	159.5	7.3	1	8.0	24.0	0.42	0.25	8.02
W588556		2.3	600	246	134.5	<0.002	0.92	6.10	10.4	1	2.3	261	0.62	0.17	11.85
W588557		2.4	610	258	142.5	<0.002	0.69	5.51	11.4	1	2.0	272	0.67	0.11	13.25
W588558		2.2	590	35.6	105.0	<0.002	0.16	11.75	9.9	1	1.5	276	0.66	0.05	10.55
W588559		2.4	520	2000	182.0	<0.002	1.84	16.45	10.2	1	3.6	60.5	0.58	0.05	12.05
W588560		2.2	680	170.0	107.0	<0.002	0.14	20.5	11.6	1	1.8	108.5	0.71	<0.05	9.44
W588561		15.6	490	1360	163.0	<0.002	3.11	31.6	8.8	1	5.9	150.0	0.58	0.28	11.25
W588562		2.2	620	26.8	119.5	<0.002	0.50	10.10	11.0	1	1.6	198.5	0.66	0.15	11.25
W588563		2.3	530	141.5	169.5	<0.002	1.35	34.4	10.6	1	2.4	106.0	0.54	0.17	10.70
W588564		2.2	530	155.5	173.0	<0.002	1.30	35.3	10.5	1	2.3	106.0	0.52	0.17	10.70
W588565		2.0	610	35.3	78.2	<0.002	0.27	17.35	10.2	<1	1.6	179.5	0.61	0.05	10.20
W588566		2.7	600	94.4	66.2	<0.002	0.40	12.40	10.2	1	1.9	169.0	0.62	0.06	9.80
W588567		2.9	630	36.6	75.4	<0.002	0.32	9.87	10.5	1	2.1	183.5	0.66	0.11	10.50
W588568		2.5	620	56.9	82.1	<0.002	0.49	7.71	10.5	1	1.8	323	0.68	0.09	10.30
W588569		1.4	170	2.2	1.8	<0.002	0.01	0.13	0.2	<1	<0.2	48.6	<0.05	<0.05	0.23
W588570		2.4	600	22.5	72.5	<0.002	0.39	8.28	9.7	1	1.6	210	0.63	0.50	9.73
W588571		2.2	600	21.4	107.5	<0.002	0.39	2.80	10.5	1	1.6	375	0.57	0.78	10.80
W588572		2.2	600	31.6	107.5	<0.002	0.52	10.70	10.4	1	1.6	196.5	0.61	<0.05	9.71
W588573		2.7	560	1025	137.0	<0.002	1.77	21.0	9.9	1	1.9	121.0	0.56	0.53	10.60
W588574		2.2	610	22.0	112.0	<0.002	0.21	9.81	10.5	1	1.6	273	0.61	0.05	10.70



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159629

Sample Description	Method Analyte Units LOR	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
W588539		1.61	4.5	64	2.2	14.2	58	39.4	0.007
W588540		2.90	5.4	61	3.6	13.7	934	30.2	0.162
W588541		2.29	5.0	66	2.5	14.3	703	30.8	0.116
W588542		1.64	4.7	69	1.3	14.7	50	32.0	0.057
W588543		1.59	3.8	68	1.7	13.8	49	33.8	0.014
W588544		1.18	3.6	65	4.8	11.6	79	171.0	<0.005
W588545		2.32	4.6	64	3.4	12.2	53	43.0	0.022
W588546		2.41	5.2	60	5.6	11.4	2360	28.9	0.891
W588547		1.87	4.3	63	2.0	13.0	52	34.5	0.010
W588548		1.80	4.4	64	2.0	13.8	59	34.9	0.067
W588549		1.72	3.6	62	3.1	12.9	62	34.8	0.274
W588550		2.77	5.0	56	5.0	12.4	518	29.4	0.287
W588551		3.32	6.9	82	3.8	12.9	512	21.9	0.091
W588552		0.02	0.6	2	0.1	0.9	19	<0.5	<0.005
W588553		2.37	5.0	73	3.9	13.7	305	25.0	0.043
W588554		2.69	5.1	89	4.0	17.4	255	27.8	0.073
W588555		2.41	2.4	51	6.5	7.5	>10000	16.5	4.76
W588556		1.85	4.9	71	2.2	16.2	600	24.5	0.027
W588557		1.82	5.6	73	2.2	18.0	381	25.8	0.019
W588558		1.50	4.3	71	2.3	14.8	88	25.0	<0.005
W588559		2.70	5.8	65	8.7	13.5	6380	24.0	0.132
W588560		1.54	3.0	82	4.5	14.7	338	26.6	<0.005
W588561		2.38	5.3	58	5.1	11.8	3100	39.1	0.752
W588562		1.96	6.7	74	2.4	15.8	95	24.7	0.010
W588563		2.61	7.1	70	4.2	13.8	408	22.7	0.066
W588564		2.57	6.8	71	4.2	13.4	410	22.1	0.061
W588565		1.58	4.6	73	3.5	14.3	74	25.8	0.008
W588566		1.53	6.7	71	4.8	13.9	144	27.1	0.015
W588567		1.74	6.6	75	8.2	14.0	66	27.5	0.023
W588568		1.75	3.2	77	5.1	14.1	103	27.4	0.013
W588569		0.02	0.5	2	0.1	0.9	18	0.6	<0.005
W588570		1.53	4.6	73	3.4	14.3	53	24.1	0.008
W588571		1.33	3.7	71	1.3	16.6	52	23.3	0.005
W588572		2.08	3.3	75	2.1	14.6	80	23.9	0.015
W588573		2.40	4.6	67	2.8	12.8	752	23.6	0.121
W588574		1.52	3.5	73	1.9	14.6	54	25.0	0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159629

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	ME-MS61	ME-OG62
Pb-OG62	Zn-OG62		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE WH17159641

Project: Klaza

P.O. No.: 17-090

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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

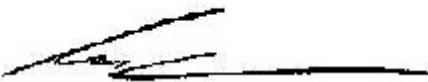
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159641

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
W588647		2.60	1.27	6.87	964	1380	1.66	0.17	2.13	3.29	33.4	6.7	9	24.7	10.0	2.85
W588648		4.19	0.51	7.09	61.2	850	1.74	0.12	2.82	0.42	36.1	7.5	12	23.8	21.3	2.75
W588649		6.22	12.60	6.88	5100	1160	1.54	0.84	1.52	117.5	43.5	6.0	9	17.05	104.5	4.05
W588650		0.26	12.50	6.61	1660	320	1.44	13.30	1.94	31.4	41.2	18.9	20	14.15	295	6.79
W588651		6.76	4.64	7.15	1300	1640	1.50	0.30	2.14	11.50	40.8	7.0	11	23.3	26.0	2.80
W588652		2.06	5.02	6.94	886	970	1.52	1.47	1.46	14.05	44.8	5.9	11	13.00	41.2	4.83
W588653		6.02	0.05	0.13	9.2	40	0.06	0.03	21.0	0.13	1.38	0.7	1	0.36	2.0	0.50
W588654		6.01	2.03	7.23	585	690	1.49	0.47	2.58	2.86	42.1	8.5	14	23.2	34.4	3.35
W588655		3.39	0.15	7.64	68.8	1780	1.80	0.18	3.72	0.20	66.4	8.2	25	26.0	14.6	2.99
W588656		3.75	2.53	7.35	336	940	1.71	0.77	2.96	6.88	38.9	7.5	9	29.1	38.4	2.98
W588657		<0.02	2.40	7.67	282	900	1.69	0.64	2.97	5.91	43.7	7.4	9	30.9	39.5	2.98
W588658		3.77	0.34	8.06	39.6	2560	1.74	0.22	3.04	0.51	63.2	7.1	26	25.1	11.4	3.08
W588659		5.91	0.73	7.18	172.5	2020	1.44	0.27	2.28	0.46	38.1	8.0	11	24.4	14.2	2.59
W588660		3.80	1.90	7.28	184.5	1160	1.93	0.60	2.18	7.00	33.7	7.2	12	21.6	14.6	3.08
W588661		4.04	14.30	6.60	739	360	1.55	1.53	1.62	93.6	33.5	6.6	11	19.45	78.8	4.24
W588662		0.26	40.9	5.84	2530	1170	1.14	38.2	1.71	41.4	34.5	17.2	24	9.87	1175	9.08
W588663		4.31	6.18	6.97	824	1260	1.62	1.11	1.79	15.10	32.3	7.8	11	17.65	37.8	3.84
W588664		6.40	2.16	7.79	190.5	960	1.53	0.27	1.77	14.40	48.9	7.4	12	21.6	25.7	3.12
W588665		2.10	4.31	7.15	618	1250	1.49	0.40	1.64	21.1	35.6	6.7	11	18.10	29.2	3.37
W588666		8.33	4.95	7.27	305	940	1.41	1.16	1.55	24.5	45.6	6.9	12	15.90	56.7	4.41
W588667		10.89	0.33	7.38	24.5	2110	1.52	0.22	2.48	1.73	44.7	7.2	14	20.3	12.9	3.19
W588668		5.38	0.29	7.24	19.4	2180	1.54	0.21	2.55	1.52	42.7	7.2	14	20.2	10.9	3.04
W588669		2.95	0.54	7.48	36.5	1180	1.55	0.47	2.05	0.59	45.4	7.5	12	26.0	8.8	3.12
W588670		6.93	0.65	7.40	42.4	910	1.45	0.81	1.76	1.94	41.8	6.2	11	23.5	6.7	2.95
W588671		2.95	2.92	6.42	145.0	430	1.20	1.67	0.67	16.30	38.8	6.9	14	11.95	12.4	4.21
W588672		8.04	0.15	6.95	36.8	2160	2.11	0.24	2.17	0.29	47.4	4.9	25	30.2	8.1	2.17
W588673		3.12	1.80	6.46	190.5	890	1.30	1.09	1.31	7.04	49.4	6.8	10	16.65	7.9	3.35
W588674		10.85	1.84	7.07	314	1450	1.59	0.40	1.99	10.85	44.6	6.1	12	17.75	31.8	3.12
W588675		3.77	14.15	6.39	6700	1050	1.44	0.72	1.70	51.1	44.5	6.2	11	18.25	66.1	3.98
W588676		5.90	0.68	0.10	58.5	50	<0.05	0.03	21.1	1.11	1.29	0.6	2	0.24	4.4	0.51
W588677		9.46	0.67	6.75	74.3	1080	1.39	0.53	2.45	1.33	40.1	6.4	11	19.55	10.1	2.72
W588678		3.22	1.54	7.04	33.3	550	1.34	1.45	2.52	2.14	42.5	8.3	11	10.70	6.9	3.38
W588679		3.99	2.98	6.64	272	1850	1.38	0.24	1.03	6.73	48.9	5.7	10	19.80	10.6	3.54
W588680		3.44	0.30	6.13	75.4	1030	1.41	0.15	2.54	1.06	29.9	5.0	10	14.50	4.7	2.76
W588681		8.85	0.33	6.76	132.0	1990	1.43	0.14	2.80	0.53	34.8	4.7	11	15.05	5.1	2.77
W588682		10.32	0.60	6.57	41.2	1470	1.45	0.14	3.04	0.40	37.7	4.0	11	16.40	6.1	2.65



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159641

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588647		16.35	0.11	1.1	0.043	3.07	15.8	24.0	0.68	2220	2.17	0.03	7.8	2.3	530
W588648		16.50	0.15	1.1	0.040	3.24	17.7	91.1	0.74	1420	2.10	0.07	8.7	2.4	600
W588649		14.85	0.13	1.0	0.384	3.00	22.9	21.8	0.58	3450	2.53	0.02	6.5	2.0	490
W588650		15.40	0.12	1.1	0.811	2.99	20.6	20.3	0.78	1860	8.90	0.13	6.3	11.6	550
W588651		15.90	0.12	1.0	0.091	3.18	20.6	24.2	0.70	2170	1.78	0.03	7.2	2.2	560
W588652		14.60	0.11	0.9	0.182	3.25	23.4	22.2	0.57	1750	2.57	0.03	6.4	2.2	510
W588653		0.32	0.06	<0.1	0.005	0.05	0.7	1.2	13.30	214	0.05	<0.01	0.2	1.0	260
W588654		15.65	0.12	1.1	0.099	3.30	21.0	49.3	0.86	1860	3.60	0.05	7.5	2.6	580
W588655		18.75	0.12	4.2	0.038	1.90	34.5	188.5	1.17	764	1.31	0.05	11.4	7.8	1360
W588656		16.30	0.11	1.1	0.232	2.52	19.4	85.1	0.76	1210	2.37	0.13	8.6	2.1	650
W588657		16.65	0.11	1.1	0.186	2.58	22.6	89.1	0.79	1220	4.01	0.12	7.9	2.2	660
W588658		19.65	0.12	4.2	0.047	1.38	31.5	122.0	0.97	985	1.16	0.02	12.2	7.0	1450
W588659		16.40	0.12	1.1	0.059	3.15	18.6	23.1	0.69	2070	5.15	0.03	7.9	2.7	610
W588660		16.55	0.11	1.3	0.093	2.72	16.2	202	0.71	1390	1.35	0.05	8.5	2.2	640
W588661		14.70	0.11	1.2	0.369	3.03	16.1	15.8	0.64	2530	1.02	0.02	6.6	2.1	490
W588662		13.45	0.12	0.8	1.520	2.61	17.8	15.7	0.69	2280	16.15	0.06	4.6	16.1	440
W588663		16.85	0.11	1.3	0.264	3.00	15.2	78.6	0.62	2540	2.45	0.02	9.0	2.4	600
W588664		16.65	0.11	1.2	0.071	2.83	25.6	99.8	0.77	1680	1.59	0.03	7.5	2.0	590
W588665		15.70	0.10	1.1	0.296	3.30	18.2	13.9	0.71	2460	1.27	0.03	7.6	2.2	600
W588666		15.05	0.11	1.0	0.303	3.41	24.2	18.9	0.67	2360	1.45	0.03	6.9	2.6	530
W588667		15.80	0.12	1.1	0.049	2.91	22.3	45.8	0.69	899	3.04	1.61	7.7	2.3	610
W588668		15.95	0.10	1.1	0.049	2.91	21.6	34.5	0.67	852	2.13	1.78	8.0	2.1	590
W588669		15.50	0.12	1.1	0.046	2.93	24.2	129.5	0.81	919	1.59	0.07	7.1	2.1	560
W588670		16.05	0.11	1.0	0.040	3.22	21.9	74.4	0.78	754	1.20	0.06	6.6	2.2	590
W588671		14.40	0.09	1.4	0.126	2.88	15.3	71.8	0.43	556	3.91	0.03	4.5	5.2	500
W588672		18.00	0.13	2.9	0.026	1.73	22.8	710	0.79	719	1.22	0.03	8.0	12.4	700
W588673		13.70	0.12	1.0	0.096	2.71	27.9	82.9	0.53	1020	1.30	0.04	6.1	2.7	500
W588674		15.30	0.11	1.2	0.076	3.22	22.9	134.5	0.64	1100	1.13	0.38	6.7	2.2	560
W588675		13.95	0.12	1.1	0.144	2.75	22.2	20.0	0.65	1390	19.70	0.02	5.7	2.9	480
W588676		0.31	0.17	<0.1	0.008	0.04	0.7	1.5	13.05	208	0.14	<0.01	0.2	1.2	190
W588677		15.45	0.14	1.3	0.061	2.86	18.7	128.0	0.76	911	2.13	0.05	7.1	2.2	530
W588678		15.90	0.15	1.4	0.040	2.95	19.6	21.7	0.60	531	1.96	1.49	6.4	2.3	570
W588679		14.45	0.13	1.0	0.061	2.80	33.7	30.0	0.31	3210	3.48	0.04	5.9	3.4	490
W588680		15.45	0.13	1.4	0.056	2.43	13.3	44.8	0.40	1700	1.59	0.03	7.1	2.1	540
W588681		14.65	0.15	1.3	0.046	2.99	16.4	13.2	0.58	987	1.43	1.31	6.7	2.0	570
W588682		14.80	0.14	1.1	0.058	2.78	18.0	13.8	0.78	961	1.56	0.97	6.7	2.1	540



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159641

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
W588647		120.0	<0.002	1.61	24.5	9.1	1	2.6	80.1	0.61	<0.05	10.10	0.247	3.46	4.5	67
W588648		104.5	<0.002	0.33	12.35	9.1	1	1.7	180.0	0.67	<0.05	10.75	0.266	2.49	4.4	72
W588649		162.0	<0.002	3.00	61.7	8.6	1	3.3	109.5	0.56	<0.05	12.35	0.221	2.99	3.4	59
W588650		155.0	0.003	4.85	65.2	9.1	2	7.5	96.0	0.52	1.46	11.20	0.220	2.60	4.8	65
W588651		126.5	<0.002	1.57	30.3	8.9	1	2.2	129.5	0.57	0.05	11.85	0.246	3.19	3.4	66
W588652		190.5	<0.002	4.17	27.6	8.9	1	4.6	60.0	0.49	<0.05	11.85	0.220	2.77	3.4	60
W588653		2.6	<0.002	0.01	0.25	0.2	<1	<0.2	47.0	<0.05	<0.05	0.22	<0.005	0.06	0.7	3
W588654		148.0	<0.002	1.63	20.8	12.0	1	2.3	155.5	0.60	0.07	11.05	0.265	2.88	3.8	76
W588655		72.7	<0.002	0.09	14.25	6.7	1	1.5	656	0.67	<0.05	8.18	0.375	1.37	3.8	68
W588656		95.2	<0.002	0.55	12.15	10.2	1	3.1	243	0.64	0.08	11.60	0.278	2.36	3.4	74
W588657		107.0	<0.002	0.54	12.40	10.3	1	3.2	246	0.62	<0.05	13.20	0.281	2.48	3.7	74
W588658		53.0	<0.002	0.28	21.9	6.9	<1	1.7	535	0.73	<0.05	8.17	0.394	1.21	3.2	72
W588659		138.5	<0.002	0.80	14.80	9.7	1	1.7	137.0	0.62	0.09	11.10	0.266	3.36	4.1	72
W588660		93.6	<0.002	0.70	14.35	9.6	1	1.9	199.5	0.63	<0.05	8.72	0.279	2.35	2.8	74
W588661		151.5	<0.002	3.13	39.3	8.2	1	3.5	104.5	0.56	0.11	10.20	0.215	3.08	3.3	58
W588662		146.0	0.002	7.86	101.0	7.7	1	9.9	61.0	0.37	0.69	8.47	0.171	2.15	5.1	56
W588663		120.5	<0.002	2.20	27.5	10.3	1	3.1	179.0	0.66	0.12	9.70	0.270	2.93	3.9	74
W588664		129.0	<0.002	0.61	16.60	9.7	1	1.9	220	0.60	0.07	13.75	0.257	2.51	3.8	70
W588665		134.0	<0.002	1.05	22.5	9.1	1	1.9	195.5	0.57	0.05	11.00	0.252	2.92	3.7	70
W588666		174.5	<0.002	2.44	16.65	9.5	1	3.1	86.2	0.55	0.12	12.95	0.240	2.85	4.1	66
W588667		117.5	<0.002	0.16	5.52	9.9	1	1.9	317	0.60	0.06	12.40	0.267	1.44	3.6	74
W588668		106.5	<0.002	0.13	4.21	9.4	1	1.8	336	0.60	<0.05	11.85	0.264	1.44	3.5	71
W588669		122.0	<0.002	0.67	13.10	9.3	1	1.8	194.0	0.55	0.25	13.85	0.247	2.00	4.1	67
W588670		132.5	<0.002	1.19	10.15	9.8	1	1.7	167.0	0.52	0.46	12.90	0.242	2.42	3.9	71
W588671		169.0	<0.002	3.65	18.60	7.0	1	5.9	126.0	0.39	0.51	10.35	0.169	2.37	4.8	53
W588672		65.4	<0.002	0.10	41.6	5.3	<1	1.6	549	0.63	<0.05	9.33	0.274	1.45	5.5	53
W588673		154.0	<0.002	2.12	17.30	8.0	1	6.1	103.0	0.50	0.30	12.95	0.211	2.28	3.6	57
W588674		134.5	<0.002	1.13	21.4	8.6	<1	3.9	175.0	0.56	0.23	13.00	0.240	2.30	4.1	65
W588675		148.5	<0.002	3.34	79.7	8.0	1	4.0	80.6	0.48	0.38	11.95	0.206	2.90	22.9	57
W588676		1.9	<0.002	0.04	1.77	0.2	<1	<0.2	47.5	<0.05	<0.05	0.19	<0.005	0.03	0.9	2
W588677		112.5	<0.002	0.60	19.25	8.5	1	1.9	151.5	0.60	0.30	11.90	0.235	2.47	5.1	64
W588678		121.5	<0.002	1.97	4.42	9.3	1	1.9	310	0.56	0.76	11.20	0.233	1.58	4.3	68
W588679		169.0	<0.002	0.37	50.3	9.0	1	1.3	47.3	0.48	0.08	12.65	0.210	3.47	4.3	62
W588680		90.2	<0.002	0.29	15.30	8.6	<1	1.6	90.1	0.61	<0.05	8.79	0.245	2.39	2.7	72
W588681		108.5	<0.002	0.25	7.22	8.2	<1	1.6	216	0.54	<0.05	10.45	0.240	1.76	2.9	66
W588682		116.5	<0.002	0.48	6.48	8.5	1	1.5	146.0	0.54	<0.05	11.55	0.236	2.35	4.2	64



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159641

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588647		6.9	10.6	277	32.6	0.208
W588648		3.8	13.4	60	34.1	0.005
W588649		5.6	10.6	7680	30.1	1.510
W588650		5.7	11.3	2470	31.3	0.875
W588651		5.2	11.4	831	31.4	0.564
W588652		4.8	12.3	997	29.1	0.869
W588653		0.1	0.8	22	<0.5	<0.005
W588654		5.7	13.5	310	30.4	0.105
W588655		1.3	12.2	81	188.5	<0.005
W588656		4.9	14.2	527	35.0	0.182
W588657		4.9	15.0	467	36.4	0.172
W588658		3.8	12.6	94	187.5	0.012
W588659		5.1	11.6	79	33.7	0.026
W588660		3.0	12.3	497	37.6	0.060
W588661		3.1	9.8	6010	34.5	0.245
W588662		6.9	9.2	3330	23.4	1.695
W588663		4.6	10.6	1120	38.5	0.248
W588664		3.6	13.2	948	34.7	0.051
W588665		3.7	11.2	1750	32.6	0.056
W588666		4.3	12.2	2470	29.2	0.127
W588667		2.4	15.5	225	32.6	<0.005
W588668		2.4	15.2	195	33.5	<0.005
W588669		2.9	13.9	95	32.8	0.008
W588670		2.2	11.4	188	31.6	0.031
W588671		4.6	7.2	1080	35.9	0.082
W588672		10.1	11.0	81	97.4	<0.005
W588673		2.8	10.0	679	26.7	0.064
W588674		3.3	11.5	775	28.3	0.078
W588675		3.6	11.5	3490	27.8	3.23
W588676		0.1	0.7	107	0.5	<0.005
W588677		2.2	12.0	127	30.7	0.043
W588678		1.7	12.2	215	32.6	0.038
W588679		4.2	16.1	250	25.5	0.174
W588680		2.7	10.6	132	33.2	0.011
W588681		2.0	11.6	88	29.4	0.031
W588682		2.8	11.5	67	27.1	0.018



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159641

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE WH17159649

Project: KLAZA

P.O. No.: R05

This report is for 19 Rock samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2017.

The following have access to data associated with this certificate:

TERESA CRUZ
JARED TARSWELL

MATT DUMALA

JOAN MARIACHER

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

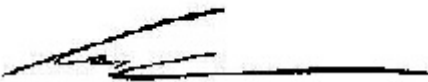
ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Au-AA24	Au 50g FA AA finish	AAS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: KLAZA

CERTIFICATE OF ANALYSIS WH17159649

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
V340414		1.03	0.020	1.47	4.98	79.4	990	0.97	0.42	0.10	0.55	50.5	0.3	7	3.00	4.9
V340415		1.27	0.005	0.32	5.48	67.0	380	1.00	0.11	0.07	0.07	64.0	0.5	10	4.83	3.2
V340416		0.84	5.69	22.4	4.34	7310	150	1.31	5.79	0.11	31.2	22.5	2.9	15	2.26	241
V340417		1.23	0.007	1.92	8.95	1195	840	3.24	0.66	0.13	8.44	61.3	11.6	18	7.48	47.5
V340418		1.86	0.902	14.75	8.04	4280	670	1.92	11.35	0.21	38.7	49.6	10.8	19	12.60	53.9
V340419		0.90	1.180	58.4	4.93	5730	500	0.88	36.4	0.15	43.5	29.4	15.0	31	4.65	74.8
V340420		0.11	1.230	>100	2.94	3680	220	0.93	0.32	0.06	10.05	28.6	0.5	10	11.50	11.3
V340421		1.52	0.005	0.69	0.80	42.8	150	0.32	1.34	0.03	0.54	14.40	5.3	12	1.69	9.6
V340422		0.19	0.028	4.26	4.39	611	1080	1.31	4.53	0.04	2.75	36.9	8.6	7	9.14	116.5
V340423		0.47	0.012	0.90	3.53	70.7	600	0.99	1.92	1.64	9.22	33.9	4.0	8	4.96	17.6
V340424		0.57	0.015	2.58	3.91	89.1	620	1.11	11.20	2.21	3.68	21.0	10.0	10	6.72	145.5
V340425		0.18	0.139	1.46	6.69	31.3	1120	1.12	2.85	0.09	0.44	147.5	5.6	15	3.71	15.0
V340426		0.67	0.842	>100	1.93	>10000	290	0.43	0.22	0.05	13.95	23.2	0.3	7	4.10	140.0
V340427		0.16	1.675	>100	1.42	6000	150	1.04	82.2	0.18	18.05	84.2	113.0	7	1.16	122.5
V340428	Not Recvd															
V341990		0.40	0.170	7.42	3.64	827	670	0.98	0.29	1.53	12.10	30.0	8.3	8	8.60	8.2
V341991		0.47	0.041	2.53	3.58	99.7	250	1.15	0.13	0.41	6.58	39.8	3.5	6	15.80	6.8
V341992		0.27	<0.005	0.72	2.08	83.3	120	0.81	0.10	0.12	6.54	26.1	1.4	7	12.95	3.8
V341993		0.42	0.006	0.53	7.88	122.5	360	2.06	0.74	0.14	3.16	56.8	38.5	13	14.95	70.5



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Project: KLAZA

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159649

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
V340414		0.93	12.25	0.15	2.8	0.026	2.36	26.6	6.9	0.19	113	10.45	0.04	9.6	0.8	50
V340415		0.95	10.50	0.21	2.9	0.018	2.50	34.5	7.0	0.16	172	4.07	0.05	10.3	1.0	80
V340416		12.85	11.25	0.07	1.8	1.250	0.32	10.9	27.3	0.08	337	20.2	0.03	3.4	3.0	1050
V340417		8.89	18.95	0.12	3.6	0.050	2.80	24.2	17.1	0.30	3750	1.94	0.03	8.2	7.6	730
V340418		8.54	17.20	0.13	3.2	0.076	2.09	27.6	36.3	0.21	7340	3.60	0.03	7.7	7.6	610
V340419		8.01	12.70	0.10	2.1	0.201	1.73	14.9	21.7	0.18	1920	4.11	0.02	4.0	5.3	470
V340420		1.92	6.89	0.09	0.9	0.358	1.20	17.4	66.6	0.09	193	3.91	0.03	2.8	1.2	220
V340421		1.84	1.74	0.07	0.2	0.024	0.29	6.0	44.4	0.03	512	6.64	0.02	0.7	2.2	70
V340422		4.67	9.27	0.10	1.0	0.127	1.62	20.1	56.4	0.15	1660	5.94	0.06	2.4	8.1	360
V340423		3.11	6.71	0.10	0.9	0.104	1.52	21.5	48.2	0.12	3150	12.70	0.04	3.4	11.4	130
V340424		3.73	7.15	0.09	0.8	0.058	1.45	10.4	55.7	0.31	2380	0.96	0.10	2.3	9.1	250
V340425		5.70	16.25	0.19	1.6	0.086	2.89	89.0	7.5	0.18	210	1.72	0.13	5.0	1.7	420
V340426		7.60	5.94	0.10	1.1	6.50	0.88	12.0	29.1	0.06	419	6.60	0.02	3.3	0.9	190
V340427		31.1	5.34	0.18	0.4	0.054	0.58	47.4	6.5	0.08	653	121.5	0.01	1.6	4.7	400
V341990		2.50	7.43	0.09	1.5	0.035	1.46	17.0	58.2	0.14	2980	10.10	0.02	3.2	3.6	210
V341991		0.97	7.16	0.17	1.6	0.012	1.31	22.6	64.6	0.10	766	2.72	0.02	3.9	3.7	180
V341992		0.71	4.10	0.15	0.8	0.010	0.65	14.1	90.2	0.05	280	0.51	0.02	1.9	5.7	120
V341993		14.90	16.45	0.11	1.2	0.152	0.58	26.4	50.0	0.08	880	3.19	0.02	5.8	27.8	590



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Project: KLAZA

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159649

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V340414		85.8	115.0	<0.002	0.14	150.0	3.3	<1	1.2	23.7	0.87	<0.05	16.55	0.073	1.54	5.7
V340415		32.1	122.5	<0.002	0.10	61.6	3.3	<1	1.1	17.9	0.93	<0.05	16.85	0.080	2.03	3.0
V340416		745	18.1	<0.002	0.15	318	9.9	6	2.2	24.3	0.26	1.44	7.74	0.139	3.45	12.9
V340417		63.5	164.0	<0.002	0.01	56.5	16.3	1	2.6	39.5	0.69	<0.05	15.65	0.349	6.16	5.3
V340418		304	129.0	<0.002	0.01	75.2	13.7	1	3.4	90.7	0.63	1.07	13.30	0.341	8.93	6.3
V340419		1070	93.2	<0.002	0.02	153.0	9.5	3	6.1	21.1	0.34	1.24	8.05	0.188	6.33	6.0
V340420		6840	71.7	<0.002	0.34	185.5	6.1	1	12.4	138.0	0.19	0.15	2.07	0.141	3.59	0.9
V340421		31.8	13.8	<0.002	0.15	21.9	3.2	<1	0.3	9.6	<0.05	0.17	0.96	0.020	0.26	0.6
V340422		341	88.0	<0.002	0.33	71.8	12.0	1	2.1	45.8	0.17	0.54	5.15	0.168	1.71	1.9
V340423		103.0	88.7	<0.002	0.58	29.7	3.4	1	1.3	28.7	0.36	0.12	10.05	0.057	1.54	1.5
V340424		84.8	75.1	<0.002	1.19	114.0	7.4	1	1.9	53.7	0.18	0.55	3.22	0.152	1.44	1.5
V340425		134.0	163.5	<0.002	0.27	45.2	16.5	1	1.5	27.5	0.33	1.29	4.97	0.367	2.32	2.0
V340426		>10000	45.9	<0.002	3.16	2030	3.7	9	20.2	68.1	0.27	0.22	10.90	0.046	1.63	18.6
V340427		1955	31.2	<0.002	0.08	446	2.9	11	35.1	18.5	0.12	33.2	2.69	0.071	0.71	12.2
V340428																
V341990		165.5	74.7	<0.002	0.01	73.5	2.8	<1	1.0	27.3	0.29	<0.05	8.94	0.085	1.45	3.1
V341991		53.8	68.8	<0.002	<0.01	78.7	2.3	1	1.1	77.4	0.34	<0.05	11.20	0.084	1.29	2.6
V341992		33.5	32.9	<0.002	<0.01	103.5	1.2	<1	0.5	104.0	0.16	<0.05	5.98	0.041	0.61	1.9
V341993		22.7	37.0	<0.002	<0.01	71.5	20.6	2	2.2	24.1	0.32	0.24	3.94	0.325	0.46	2.5



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Project: KLAZA

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159649

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	Ag-OG62 Ag ppm 1	Pb-OG62 Pb % 0.001
V340414		9	1.5	12.3	82	77.6		
V340415		9	1.8	10.3	19	79.8		
V340416		96	6.1	16.7	1840	67.1		
V340417		125	2.6	24.6	963	129.0		
V340418		120	7.1	22.8	1590	121.0		
V340419		81	6.9	12.6	1600	77.7		
V340420		46	3.9	6.0	149	29.2	242	
V340421		23	1.6	2.4	122	10.1		
V340422		80	3.2	8.9	341	36.6		
V340423		28	3.1	22.7	540	20.7		
V340424		69	4.0	13.7	193	30.2		
V340425		123	3.0	11.1	196	59.5		
V340426		8	1.1	4.1	312	34.3	203	1.120
V340427		149	7.2	31.4	757	14.7	217	
V340428								
V341990		37	1.2	11.9	1160	57.4		
V341991		26	1.4	8.4	536	61.0		
V341992		16	0.9	3.8	319	28.6		
V341993		127	11.0	44.7	972	43.3		



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 29-AUG-2017
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CERTIFICATE OF ANALYSIS WH17159649

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada
CRU-31 CRU-QC LOG-22 PUL-31
PUL-QC SPL-21 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Ag-OG62 Au-AA24 ME-MS61 ME-OG62
Pb-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

CERTIFICATE WH17159656

Project: Klaza

P.O. No.: 17-091

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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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: Klaza

CERTIFICATE OF ANALYSIS WH17159656

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588379		2.97	0.28	7.48	43.4	870	1.17	0.39	3.55	0.97	46.5	11.7	14	22.3	7.5	3.55
W588380		10.29	0.18	7.15	14.3	1110	1.24	0.27	2.95	0.35	39.7	5.0	17	10.60	15.8	3.11
W588381		10.33	0.20	7.32	14.7	1200	1.25	0.56	2.95	0.64	46.8	6.0	15	11.35	32.7	3.17
W588382		4.31	0.32	6.91	16.1	770	1.44	0.94	3.06	0.68	42.8	6.9	11	27.2	8.8	2.69
W588383		8.57	0.77	8.06	29.5	980	1.43	1.19	3.33	0.51	45.1	6.9	14	14.50	71.5	3.52
W588384		12.04	0.42	7.97	68.8	1090	1.39	0.28	3.41	0.79	39.7	10.3	14	21.0	88.0	3.80
W588385		7.46	1.29	7.45	139.5	1960	1.56	1.59	2.66	5.99	44.2	20.2	12	26.3	10.5	5.02
W588386		2.42	1.20	7.30	167.0	1780	1.51	1.31	2.34	5.17	43.5	19.0	11	28.7	33.5	4.85
W588387		4.66	0.21	6.29	48.7	1040	2.11	0.51	1.76	0.35	44.8	3.6	14	15.55	7.8	1.49
W588388		6.52	0.15	6.42	33.3	1560	2.04	0.39	2.18	0.13	47.6	3.1	15	17.95	5.1	1.60
W588389		5.33	0.37	6.05	88.8	620	2.18	0.48	1.84	1.05	40.2	4.9	13	13.50	6.7	2.36
W588390		8.31	0.07	6.06	30.7	950	2.34	0.42	1.99	0.18	44.6	2.7	15	15.20	6.9	1.43
W588391		0.27	12.45	7.20	1760	1050	1.66	12.20	2.06	35.7	45.7	19.3	21	14.35	313	7.16
W588392		4.62	0.26	6.29	153.5	730	1.93	0.43	1.75	0.20	44.9	3.3	13	28.8	12.6	1.36
W588393		4.54	0.26	6.56	46.1	1960	2.27	0.51	1.96	0.13	44.4	3.2	16	20.2	8.7	1.53
W588394		5.31	0.94	7.21	97.2	980	1.48	1.70	2.77	0.43	41.5	7.9	10	24.4	22.9	3.92
W588395		6.00	0.01	0.08	0.2	20	0.06	0.03	21.3	0.07	1.15	0.7	<1	0.19	2.2	0.48
W588396		10.99	0.37	7.14	39.8	1990	1.24	0.57	2.98	0.42	39.8	6.8	10	21.0	17.6	3.16
W588397		8.17	0.41	6.91	20.8	1790	1.45	0.63	2.35	0.58	41.2	6.0	8	17.45	12.3	2.77
W588398		<0.02	0.45	6.91	21.1	1780	1.49	0.66	2.30	0.60	40.0	5.9	8	16.10	14.3	2.76
W588399		5.17	0.66	7.28	28.0	3360	1.62	0.45	2.19	0.30	45.5	6.3	10	25.3	12.0	3.34
W588400		9.64	0.23	6.38	20.4	1050	2.69	0.47	2.08	0.07	37.4	3.2	16	8.61	5.4	1.48
W588401		8.47	0.35	7.34	35.5	1780	1.72	0.24	2.16	0.25	45.5	8.0	12	14.35	13.5	3.34
W588402		11.52	0.25	6.95	41.8	1630	1.53	0.21	2.45	0.17	40.2	5.9	8	16.75	7.0	3.01
W588403		5.97	0.10	7.33	12.7	1760	1.42	0.27	2.14	0.17	54.0	4.4	9	12.00	11.4	3.09
W588404		0.27	40.0	6.00	2610	130	1.14	37.3	1.76	45.7	35.6	15.7	23	9.19	1240	9.45
W588405		9.05	0.38	7.16	33.8	1300	1.56	0.43	1.94	0.55	50.9	5.0	8	10.75	6.0	2.92
W588406		6.54	35.7	5.58	253	120	1.17	46.7	2.27	4.26	38.4	22.8	8	6.91	32.9	6.98
W588407		1.39	1.35	7.45	46.1	1430	1.96	0.42	2.52	0.90	51.5	9.3	19	23.2	28.8	2.96
W588408		4.99	11.75	7.23	207	450	1.71	2.62	2.04	7.03	51.1	8.1	13	18.45	42.7	3.81
W588409		6.08	0.04	0.07	0.7	30	0.07	0.04	21.4	0.08	1.23	0.7	<1	0.20	1.6	0.51
W588410		13.48	0.11	7.62	9.7	1780	1.38	0.54	1.61	0.08	42.3	4.0	9	9.07	2.5	2.41
W588411		13.93	5.94	6.86	371	830	1.32	11.60	2.42	1.16	46.6	18.7	10	17.15	142.0	4.98
W588412		10.89	0.64	7.08	85.8	2490	1.32	0.41	2.54	0.68	38.0	5.5	10	12.25	29.0	3.24
W588413		11.17	0.22	7.42	16.3	2790	1.39	0.59	1.86	0.13	38.0	10.0	10	12.25	35.5	2.81
W588414		13.03	0.56	7.17	30.4	1900	1.59	0.24	2.48	0.16	37.8	9.3	11	15.15	84.3	3.02



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159656

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588379		14.50	0.13	0.5	0.058	2.48	25.8	23.1	1.05	736	1.89	0.32	6.9	6.5	530
W588380		14.65	0.14	0.6	0.060	2.38	20.2	17.2	0.90	690	1.13	1.53	7.4	7.0	530
W588381		15.55	0.13	0.6	0.109	2.50	24.6	24.5	0.91	636	8.29	1.72	7.6	5.2	550
W588382		14.70	0.13	0.5	0.138	2.67	23.7	14.4	1.09	720	6.84	0.15	6.9	5.1	510
W588383		15.70	0.15	0.5	0.115	3.10	24.5	24.9	1.15	1240	1.98	0.50	8.2	4.6	600
W588384		16.25	0.13	0.5	0.089	2.70	20.1	17.6	1.01	1420	1.20	1.40	8.2	5.2	640
W588385		16.25	0.11	0.9	0.304	3.01	23.7	20.6	1.02	3780	2.65	0.20	7.5	5.2	580
W588386		16.45	0.09	0.8	0.343	3.03	23.5	17.5	0.92	3940	1.68	0.16	7.4	5.3	580
W588387		16.35	0.13	2.7	0.028	2.05	24.4	49.7	0.67	547	1.33	0.05	10.1	6.2	530
W588388		16.60	0.14	2.8	0.018	2.49	26.3	38.0	0.79	594	0.84	0.05	10.2	6.1	540
W588389		14.40	0.12	2.0	0.130	1.90	22.0	61.7	0.73	1320	1.98	0.04	8.3	6.0	520
W588390		15.35	0.15	2.6	0.019	1.52	24.6	100.0	0.69	579	1.52	0.04	9.8	5.3	510
W588391		16.20	0.12	1.1	0.817	3.10	23.2	21.5	0.84	2020	9.41	0.13	6.6	13.3	590
W588392		15.55	0.18	2.4	0.019	1.84	24.5	53.0	0.65	581	1.18	0.04	9.0	5.7	510
W588393		17.65	0.15	2.9	0.019	2.21	22.7	46.6	0.64	582	1.22	0.04	10.7	6.4	560
W588394		14.80	0.14	0.6	0.118	2.62	22.6	31.5	1.11	1790	1.03	0.04	6.0	5.1	500
W588395		0.27	0.22	<0.1	<0.005	0.03	0.5	1.1	13.25	205	0.05	<0.01	0.2	1.4	170
W588396		13.10	0.19	0.5	0.103	2.31	21.5	30.3	1.12	1280	2.15	0.04	5.6	4.0	480
W588397		13.65	0.17	1.1	0.161	2.84	22.2	26.2	0.91	1100	1.56	0.05	5.7	2.7	540
W588398		13.45	0.17	1.0	0.161	2.81	21.4	25.0	0.89	1080	2.00	0.05	5.5	2.7	510
W588399		15.75	0.17	1.1	0.147	3.05	23.5	20.4	0.92	1470	1.78	0.07	6.4	2.7	580
W588400		17.15	0.16	2.7	0.025	2.12	18.6	48.3	0.54	494	1.48	0.05	10.4	6.4	580
W588401		16.15	0.18	1.5	0.096	3.10	23.3	34.3	0.82	1160	2.78	0.32	7.1	3.0	580
W588402		15.65	0.15	1.3	0.062	2.99	19.9	23.3	0.87	1110	4.67	0.09	6.7	2.6	610
W588403		15.15	0.17	1.7	0.074	3.15	28.8	27.3	0.82	930	1.26	0.07	7.1	2.3	530
W588404		13.85	0.15	0.8	1.565	2.70	18.2	16.8	0.71	2450	16.05	0.06	4.2	14.6	470
W588405		14.30	0.15	1.5	0.124	2.67	27.2	33.0	0.79	1320	18.30	0.05	6.3	2.2	440
W588406		12.55	0.14	0.9	0.261	2.47	19.8	19.2	0.98	3340	1.61	0.03	4.2	4.1	420
W588407		18.30	0.17	3.4	0.049	2.44	26.1	41.3	1.09	913	1.02	0.07	8.7	7.1	1250
W588408		16.20	0.16	1.9	0.158	2.73	27.5	23.2	0.87	1700	1.80	0.05	6.9	4.3	720
W588409		0.27	0.22	<0.1	<0.005	0.03	0.6	1.1	13.25	214	1.06	<0.01	0.2	1.5	180
W588410		15.75	0.19	1.5	0.076	2.64	21.5	45.0	0.57	573	1.29	0.06	7.9	1.8	510
W588411		15.50	0.15	0.8	0.280	2.72	24.7	25.7	1.01	2430	2.72	0.04	6.7	3.7	710
W588412		14.25	0.16	0.6	0.172	2.56	21.2	26.2	0.85	1960	3.31	0.54	5.8	2.9	420
W588413		15.35	0.16	1.0	0.051	2.81	19.1	39.1	0.64	640	5.27	0.41	6.5	2.4	510
W588414		16.10	0.15	1.1	0.046	2.80	18.0	31.2	0.77	754	7.97	0.76	7.3	2.8	640



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159656

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W588379		116.5	0.002	1.39	14.40	9.8	1	1.2	252	0.54	<0.05	11.40	0.271	1.94	2.9	88
W588380		94.8	<0.002	0.17	4.55	11.1	1	2.0	331	0.61	<0.05	12.10	0.288	1.24	2.8	92
W588381		97.5	<0.002	0.21	4.73	12.6	1	1.8	387	0.63	<0.05	12.45	0.295	1.18	3.4	95
W588382		143.0	0.002	0.31	8.43	9.6	1	1.7	162.5	0.53	<0.05	11.45	0.260	2.21	2.6	88
W588383		159.0	<0.002	0.67	12.75	11.9	1	2.3	213	0.59	<0.05	11.40	0.313	2.23	2.8	101
W588384		110.0	<0.002	0.55	8.61	13.1	1	2.7	372	0.60	<0.05	9.38	0.346	1.58	2.6	113
W588385		160.5	<0.002	1.36	8.96	9.9	1	2.8	202	0.67	0.10	10.05	0.265	2.53	4.6	81
W588386		158.5	<0.002	1.32	9.04	10.0	1	5.9	186.0	0.66	0.08	10.50	0.269	2.55	4.2	81
W588387		84.0	<0.002	0.14	26.0	3.2	<1	1.7	320	0.98	<0.05	11.55	0.144	2.19	9.2	27
W588388		100.5	<0.002	0.13	19.55	3.0	<1	1.7	371	0.98	<0.05	11.55	0.144	2.51	9.1	25
W588389		97.3	<0.002	0.60	42.6	4.6	<1	1.8	185.0	0.76	<0.05	9.48	0.166	2.03	8.6	41
W588390		74.9	<0.002	0.11	28.6	2.9	1	1.9	203	0.95	<0.05	11.20	0.133	1.64	8.8	24
W588391		170.5	<0.002	5.12	70.2	9.7	2	8.4	102.0	0.57	1.31	10.75	0.227	2.66	5.6	68
W588392		76.7	<0.002	0.17	22.6	3.2	<1	2.5	266	0.88	<0.05	10.95	0.142	1.79	7.1	27
W588393		70.5	<0.002	0.16	12.35	3.2	<1	2.3	406	1.02	<0.05	11.00	0.152	2.04	7.4	27
W588394		173.0	<0.002	1.06	17.60	10.8	1	4.7	157.0	0.54	0.06	9.49	0.272	2.66	2.2	91
W588395		1.2	<0.002	<0.01	0.07	0.3	1	<0.2	45.2	<0.05	<0.05	0.12	<0.005	0.02	0.5	2
W588396		121.5	<0.002	0.52	12.90	9.2	<1	3.6	151.0	0.51	<0.05	9.40	0.253	1.69	2.0	82
W588397		136.0	<0.002	0.40	15.60	9.5	1	2.0	114.0	0.48	0.05	10.40	0.236	2.03	3.2	70
W588398		136.0	<0.002	0.40	14.65	9.4	<1	2.1	111.5	0.47	<0.05	10.15	0.232	1.99	3.1	69
W588399		158.5	<0.002	0.46	13.45	10.8	<1	1.9	175.0	0.51	<0.05	9.83	0.269	2.19	3.2	80
W588400		73.1	<0.002	0.07	13.10	3.0	<1	1.9	266	0.99	<0.05	9.55	0.157	1.31	7.0	27
W588401		137.5	<0.002	0.44	9.53	10.3	1	1.8	163.5	0.64	<0.05	11.95	0.258	1.91	3.7	74
W588402		124.5	<0.002	0.41	8.56	10.3	1	1.7	143.5	0.55	<0.05	10.05	0.262	2.07	3.3	75
W588403		124.0	<0.002	0.18	9.66	9.4	1	2.0	131.0	0.76	<0.05	17.30	0.229	1.94	3.8	65
W588404		145.0	0.002	8.13	113.5	7.8	1	11.0	61.7	0.37	0.70	8.42	0.172	2.15	4.8	59
W588405		117.0	0.002	0.29	11.95	7.6	1	1.5	118.5	0.76	0.05	16.60	0.187	1.86	4.3	55
W588406		131.0	<0.002	5.25	27.6	7.7	1	2.2	62.3	0.39	0.32	9.01	0.170	2.00	4.0	60
W588407		80.7	<0.002	0.26	15.95	7.3	1	2.1	260	0.59	<0.05	7.85	0.359	2.14	3.0	79
W588408		126.5	<0.002	2.10	24.7	9.0	1	3.1	166.0	0.56	0.38	11.55	0.269	2.48	3.7	70
W588409		1.3	<0.002	<0.01	0.13	0.3	<1	<0.2	46.3	<0.05	<0.05	0.13	<0.005	0.02	1.0	2
W588410		96.7	<0.002	0.14	9.99	8.4	<1	1.5	150.0	0.87	<0.05	15.25	0.223	1.38	3.5	57
W588411		150.0	0.002	1.89	27.3	12.2	1	2.7	159.5	0.47	0.14	8.14	0.293	2.10	2.7	87
W588412		120.5	0.002	0.39	14.15	8.0	<1	1.7	191.0	0.47	<0.05	9.17	0.225	1.70	1.9	67
W588413		102.0	0.005	0.38	9.97	9.4	1	1.6	198.0	0.58	<0.05	10.85	0.238	1.43	2.9	71
W588414		95.8	0.003	0.20	14.25	10.4	1	1.5	232	0.64	<0.05	10.35	0.275	1.39	3.1	77



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 2-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159656

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588379		5.5	14.7	115	11.1	<0.005
W588380		6.3	14.0	64	11.2	0.005
W588381		10.1	15.3	87	13.2	<0.005
W588382		9.1	13.4	93	11.5	<0.005
W588383		6.7	14.6	112	11.3	0.013
W588384		5.6	14.8	126	11.4	0.020
W588385		5.2	10.1	512	24.4	0.033
W588386		5.3	10.0	440	21.3	0.035
W588387		2.4	7.7	76	82.4	<0.005
W588388		2.6	8.0	35	86.5	<0.005
W588389		2.5	7.7	107	64.7	0.011
W588390		2.1	7.8	41	79.9	<0.005
W588391		6.3	12.1	2620	31.0	0.901
W588392		2.9	7.1	55	75.3	<0.005
W588393		2.5	7.5	57	92.8	<0.005
W588394		5.0	12.8	84	10.7	0.030
W588395		0.1	0.7	15	0.5	<0.005
W588396		3.4	11.3	74	11.7	0.026
W588397		4.2	10.4	88	31.4	0.011
W588398		4.3	10.1	91	30.3	0.013
W588399		4.2	15.2	73	35.4	0.010
W588400		2.2	6.7	47	89.2	<0.005
W588401		3.3	14.6	60	42.3	0.060
W588402		4.7	13.4	52	37.9	0.039
W588403		5.1	15.5	58	47.7	<0.005
W588404		7.0	8.7	3550	21.4	1.630
W588405		4.0	12.4	78	41.4	<0.005
W588406		4.5	7.8	371	25.4	0.458
W588407		2.8	11.2	133	146.0	0.010
W588408		3.7	10.4	616	67.5	0.149
W588409		0.1	0.8	16	0.6	<0.005
W588410		4.2	11.1	43	39.6	<0.005
W588411		6.7	13.1	159	18.7	0.917
W588412		4.0	10.0	100	14.0	0.036
W588413		3.7	11.4	47	25.7	0.011
W588414		6.0	14.6	57	31.8	0.010



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 2-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159656

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE WH17159665

Project: Klaza

P.O. No.: 17-092

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159665

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Pb-OG62 Pb %	Zn-OG62 Zn %	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	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
W588683		2.57			0.11	7.22	12.3	2250	1.80	0.14	2.62	0.15	45.8	5.0	12	10.95
W588684		5.92			0.30	6.32	35.8	3510	1.73	0.19	2.63	0.20	35.4	5.1	12	12.25
W588685		7.04			0.28	6.68	12.9	1470	1.42	0.43	3.00	0.09	40.7	7.5	13	11.35
W588686		0.27			38.8	5.71	2430	250	1.10	35.8	1.63	44.1	34.6	15.9	23	9.80
W588687		2.36			1.24	6.89	49.8	1720	1.40	0.46	3.09	0.51	52.4	8.4	9	13.30
W588688		3.81			0.94	7.40	31.6	990	1.73	0.24	2.33	8.83	48.1	3.9	10	15.75
W588689		2.46			1.60	5.50	380	630	0.98	0.50	2.04	13.70	42.1	5.7	10	8.33
W588690		<0.02			1.41	5.46	364	650	0.97	0.47	2.04	11.10	40.9	5.9	10	8.21
W588691		5.85			0.37	7.09	22.4	1120	1.58	0.42	2.62	0.23	55.8	8.1	12	9.27
W588692		6.31			0.27	7.15	14.7	2400	1.68	0.23	2.81	0.66	39.5	4.1	10	11.30
W588693		0.27			12.20	6.75	1610	860	1.50	12.50	1.92	32.9	46.9	18.0	21	13.80
W588694		2.70			0.14	6.98	13.4	5540	1.52	0.15	3.02	0.26	39.5	5.3	9	13.75
W588695		4.31			0.15	7.63	15.8	2100	1.63	0.13	2.79	0.26	45.3	6.9	12	22.2
W588696		11.69			1.09	7.02	144.5	1360	1.50	0.26	2.71	2.00	40.5	7.2	12	21.8
W588697		3.76			0.37	7.53	8.2	2390	1.68	0.13	2.78	0.28	48.0	7.0	12	18.05
W588698		2.41			0.43	7.54	6.7	2350	1.63	0.11	2.76	0.30	45.4	6.7	11	17.65
W588699		2.32			4.66	6.73	184.0	590	1.46	0.21	2.55	3.61	40.8	7.0	11	22.1
W588700		6.03			0.03	0.07	<0.2	40	0.08	0.05	20.9	0.07	1.17	0.8	1	0.19
W588701		3.25			3.94	6.55	367	1020	1.28	0.19	2.90	2.51	44.7	5.3	11	21.5
W588702		4.32			1.03	7.00	31.6	1950	1.54	0.15	2.79	4.94	39.4	6.4	11	22.4
W588703		6.81			0.90	7.34	121.5	1750	1.71	0.36	2.46	1.27	46.9	10.8	10	17.10
W588704		2.62			0.16	7.79	8.1	2230	1.65	0.22	2.38	0.12	48.4	6.6	10	15.95
W588705		2.28	1.020	1.065	49.0	6.68	2070	1160	1.57	1.75	2.39	123.5	46.1	10.4	9	17.20
W588706		7.20			4.18	7.32	46.4	2070	1.74	0.41	3.05	8.18	42.1	9.8	11	13.30
W588707		8.24			0.17	7.69	8.4	2340	1.74	0.18	2.70	0.28	52.2	7.5	12	10.05
W588708		2.19			1.94	7.23	24.3	1760	1.64	1.89	3.25	1.23	46.7	8.0	11	11.65
W588709		2.15			0.28	6.74	42.1	1830	2.01	0.36	1.61	0.60	50.4	7.5	9	37.4
W588710		12.20			0.07	7.24	21.4	1170	1.90	0.13	1.94	0.40	57.4	5.6	15	20.5
W588711		12.80			0.09	6.47	17.4	830	1.93	0.12	3.31	0.52	45.4	5.5	14	19.95
W588712		4.16			0.17	7.58	24.3	830	1.88	0.28	1.57	0.74	66.8	6.1	16	20.0
W588713		4.02			21.4	6.97	869	630	2.05	6.81	1.55	95.5	49.2	8.2	9	29.0
W588714		12.69			0.51	7.30	82.5	1980	1.62	0.22	3.13	0.73	49.4	7.8	11	26.3
W588715		8.24			0.63	6.97	158.5	1560	1.90	0.26	2.92	1.20	45.5	7.8	10	26.7
W588716		3.60			28.8	6.75	1545	1050	1.48	10.40	1.58	102.0	43.9	7.5	11	21.6
W588717		6.15			0.07	0.08	1.1	30	<0.05	0.05	21.4	0.21	1.17	0.8	1	0.23
W588718		3.07			6.10	7.00	801	700	1.53	0.57	1.59	30.2	51.9	7.7	7	19.95



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Page: 2 - B
Total # Pages: 2 (A - D)
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17159665

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
W588683		8.9	2.67	15.60	0.14	1.3	0.048	2.74	24.1	10.4	0.68	524	1.43	2.26	7.8	2.5
W588684		6.4	2.54	14.00	0.12	1.1	0.051	2.30	17.9	20.7	0.54	631	1.72	1.28	7.0	2.2
W588685		2.9	3.32	14.80	0.14	1.1	0.107	2.36	21.2	9.8	0.72	968	1.34	1.47	7.5	2.3
W588686		1170	9.16	13.10	0.10	0.8	1.500	2.56	18.1	14.6	0.66	2240	16.80	0.06	4.5	14.0
W588687		2.9	4.28	14.75	0.13	0.9	0.161	2.60	30.3	19.6	0.99	1780	1.07	0.12	6.5	2.4
W588688		5.3	3.86	16.30	0.15	1.0	0.094	3.02	26.3	12.6	0.79	2630	1.26	0.16	7.3	1.9
W588689		8.4	4.05	11.90	0.15	0.8	0.113	2.30	24.9	9.2	0.71	2770	0.45	0.10	5.1	1.5
W588690		6.2	4.07	12.05	0.12	0.8	0.120	2.31	23.9	8.9	0.70	2860	0.39	0.10	5.1	1.6
W588691		3.6	3.59	15.70	0.19	1.1	0.086	2.25	32.9	17.2	0.61	1410	0.37	0.96	6.7	1.8
W588692		3.8	3.14	16.15	0.19	1.1	0.062	2.42	20.5	16.7	0.71	934	0.78	1.49	7.8	2.3
W588693		291	6.85	15.40	0.15	1.0	0.784	2.90	25.5	19.4	0.78	1840	9.08	0.13	6.4	12.7
W588694		4.4	2.70	16.35	0.16	1.1	0.047	2.26	20.5	57.2	0.73	772	1.22	0.09	7.6	2.4
W588695		7.7	3.08	17.00	0.21	1.3	0.044	3.14	23.3	18.8	0.72	905	1.11	1.74	8.3	3.1
W588696		56.6	2.86	16.20	0.20	1.0	0.080	3.42	20.2	57.9	0.70	1400	1.13	0.09	7.7	2.4
W588697		85.7	3.13	16.85	0.22	1.3	0.060	2.83	24.9	12.2	0.74	707	0.81	2.21	8.3	2.5
W588698		89.1	3.00	16.50	0.20	1.3	0.057	2.87	24.3	9.8	0.71	744	0.80	2.16	7.7	2.3
W588699		77.9	3.51	14.85	0.18	1.2	0.070	3.01	20.9	27.0	0.89	1660	1.43	0.23	7.4	2.4
W588700		4.1	0.49	0.26	0.15	<0.1	<0.005	0.03	0.6	1.1	12.95	200	0.21	0.01	0.1	1.4
W588701		42.5	2.35	13.30	0.18	1.1	0.055	2.64	24.6	18.8	0.97	2270	1.04	0.02	6.5	1.7
W588702		50.9	3.01	16.25	0.21	1.4	0.092	3.25	19.6	27.7	0.70	1510	1.04	1.02	8.0	2.2
W588703		23.5	3.29	16.00	0.21	1.4	0.102	3.04	24.8	25.3	0.74	984	0.86	0.89	7.9	2.6
W588704		15.4	3.31	16.50	0.20	1.4	0.049	3.10	26.1	28.7	0.64	498	0.81	1.42	8.0	2.2
W588705		320	4.64	14.35	0.17	1.2	0.706	2.88	25.2	22.7	0.70	1900	12.15	0.09	6.8	2.6
W588706		15.7	3.25	16.40	0.21	1.3	0.060	2.62	21.4	12.9	0.68	915	1.37	1.92	8.0	2.6
W588707		12.8	3.06	16.65	0.22	1.3	0.047	2.71	28.6	10.8	0.76	651	1.28	2.34	8.1	2.5
W588708		5.7	3.41	16.05	0.23	1.4	0.053	2.83	23.8	11.8	0.63	1490	1.09	1.27	7.9	2.4
W588709		24.0	2.02	14.60	0.22	1.5	0.051	2.30	28.3	47.9	0.57	442	5.17	0.06	7.2	2.8
W588710		5.8	2.35	18.75	0.22	3.3	0.026	2.36	30.8	54.9	0.69	448	0.71	0.04	10.1	4.8
W588711		5.1	2.30	18.85	0.19	3.1	0.027	2.46	22.7	39.4	0.70	461	0.71	0.05	10.1	4.8
W588712		10.6	2.42	19.40	0.23	3.7	0.035	2.24	36.4	68.5	0.68	479	0.73	0.04	10.4	5.8
W588713		215	3.43	16.00	0.19	1.7	1.495	2.89	27.4	21.2	0.72	736	4.16	0.05	7.5	3.3
W588714		8.9	2.75	18.30	0.22	3.6	0.060	4.50	25.7	29.5	0.99	690	2.13	0.09	10.2	4.8
W588715		12.2	2.68	18.30	0.23	3.4	0.049	4.35	23.1	31.8	0.87	632	2.20	0.10	9.9	4.7
W588716		296	5.25	15.65	0.19	1.6	1.215	3.03	23.6	36.5	0.65	937	1.72	0.06	7.1	2.9
W588717		3.4	0.48	0.28	0.17	<0.1	<0.005	0.03	0.6	1.5	13.35	201	0.08	0.01	0.2	1.5
W588718		34.7	4.75	17.10	0.05	1.2	0.113	3.12	26.7	11.2	0.76	2480	1.85	0.03	6.6	3.7



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Page: 2 - C
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		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
W588683		570	22.6	104.0	<0.002	0.02	1.79	10.8	1	1.5	355	0.64	<0.05	14.25	0.249	1.17
W588684		540	12.6	92.4	<0.002	0.22	4.16	9.9	1	1.6	167.5	0.59	<0.05	12.65	0.223	1.67
W588685		560	9.5	102.0	<0.002	0.28	2.61	9.7	1	2.0	217	0.63	0.26	11.15	0.234	1.85
W588686		440	1605	136.0	0.002	7.67	101.5	7.8	1	10.4	60.8	0.38	0.73	8.29	0.161	2.08
W588687		510	12.1	139.5	<0.002	1.41	6.04	9.9	1	2.3	105.5	0.55	0.23	12.25	0.210	2.46
W588688		580	211	145.5	<0.002	0.67	6.32	10.1	1	2.7	85.9	0.58	0.05	12.25	0.239	3.14
W588689		410	243	137.0	<0.002	2.12	7.39	7.1	1	3.5	73.3	0.47	0.07	10.70	0.156	2.14
W588690		380	178.0	137.0	<0.002	2.18	7.27	7.0	1	3.2	70.9	0.47	0.09	10.55	0.151	2.11
W588691		550	22.3	110.0	<0.002	0.63	3.50	9.5	1	2.1	146.0	0.58	0.14	12.65	0.221	2.00
W588692		610	38.3	95.5	<0.002	0.20	4.65	10.6	1	2.1	237	0.62	0.06	10.80	0.254	1.58
W588693		540	1340	167.5	<0.002	4.77	64.4	9.5	2	8.1	98.0	0.53	1.12	11.20	0.209	2.49
W588694		600	16.5	75.8	<0.002	0.23	6.16	9.6	1	1.6	235	0.61	<0.05	10.50	0.251	1.39
W588695		620	26.4	129.0	<0.002	0.14	4.49	11.3	1	1.9	316	0.68	<0.05	12.30	0.265	1.68
W588696		590	94.9	141.0	<0.002	0.45	23.2	10.2	1	2.3	150.0	0.60	0.10	9.98	0.258	2.70
W588697		610	35.2	115.0	<0.002	0.03	2.03	10.9	1	1.9	369	0.67	<0.05	11.95	0.261	1.37
W588698		570	30.7	117.0	<0.002	0.03	2.34	10.3	1	1.9	360	0.66	<0.05	11.45	0.246	1.40
W588699		530	781	126.0	<0.002	1.47	28.7	9.0	1	1.8	166.0	0.62	<0.05	9.60	0.229	2.76
W588700		190	2.6	1.2	<0.002	0.01	0.10	0.2	1	<0.2	47.8	<0.05	<0.05	0.09	<0.005	<0.02
W588701		440	192.0	138.0	<0.002	1.27	39.2	7.7	1	1.6	222	0.54	0.05	10.95	0.207	3.13
W588702		580	183.0	121.5	<0.002	0.36	8.78	10.0	<1	2.0	228	0.67	<0.05	10.60	0.252	2.33
W588703		600	82.8	134.5	<0.002	0.64	5.99	10.2	1	2.3	204	0.69	0.11	12.15	0.248	1.97
W588704		560	19.6	121.5	<0.002	0.07	3.88	9.9	<1	2.1	283	0.71	<0.05	13.95	0.253	1.51
W588705		520	>10000	151.5	<0.002	3.92	61.7	9.7	1	4.6	98.2	0.57	0.21	11.35	0.218	2.37
W588706		600	680	101.0	<0.002	0.52	4.99	10.6	1	1.9	321	0.66	0.20	12.20	0.257	1.37
W588707		610	33.8	107.5	<0.002	0.03	1.66	10.8	1	1.8	383	0.65	0.06	12.95	0.260	1.18
W588708		570	152.0	119.0	<0.002	0.85	3.35	10.7	1	2.0	231	0.67	0.20	12.75	0.252	1.78
W588709		570	52.1	109.0	<0.002	0.56	35.7	8.5	1	2.2	198.5	0.58	0.05	11.70	0.224	2.00
W588710		1000	31.0	77.0	<0.002	0.04	17.15	4.9	<1	1.5	423	0.71	<0.05	8.75	0.292	1.00
W588711		920	29.8	64.6	<0.002	0.02	11.60	4.3	1	1.5	524	0.72	<0.05	7.31	0.287	1.05
W588712		1100	41.6	85.7	<0.002	0.04	25.9	5.4	<1	1.8	420	0.70	<0.05	9.25	0.313	1.09
W588713		580	4450	154.0	<0.002	1.81	36.3	9.1	1	3.7	139.5	0.60	0.24	10.85	0.241	2.30
W588714		800	55.5	195.0	<0.002	0.37	28.5	7.9	1	1.5	372	0.77	<0.05	8.80	0.304	4.68
W588715		770	72.1	184.5	<0.002	0.31	25.2	7.7	1	1.6	394	0.73	<0.05	8.44	0.295	4.54
W588716		560	3950	171.5	<0.002	4.38	38.3	8.6	1	5.5	183.5	0.55	0.80	10.15	0.225	2.69
W588717		180	8.6	1.6	<0.002	0.01	0.16	0.2	1	<0.2	47.9	<0.05	<0.05	0.16	<0.005	0.02
W588718		510	1680	182.0	<0.002	3.03	21.9	10.0	<1	5.2	88.5	0.54	0.17	12.05	0.205	2.96



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17159665

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	Au-AA24 Au ppm 0.005
W588683		3.7	68	1.3	17.3	46	36.2	<0.005
W588684		4.4	61	1.9	13.0	58	31.5	0.009
W588685		3.9	65	1.4	12.8	51	30.0	<0.005
W588686		5.1	55	6.9	8.9	3340	21.6	1.665
W588687		3.9	71	1.8	11.7	103	23.5	0.093
W588688		4.1	68	2.4	12.4	635	28.0	0.010
W588689		2.7	54	2.1	8.7	1170	20.9	0.098
W588690		2.6	54	2.0	8.6	985	21.6	0.093
W588691		3.9	65	1.7	12.0	62	29.4	0.007
W588692		3.5	70	1.5	14.1	81	30.7	<0.005
W588693		5.1	64	5.9	12.1	2460	29.9	0.896
W588694		3.6	69	2.1	14.5	67	31.4	<0.005
W588695		4.4	71	1.2	17.5	59	36.0	0.005
W588696		3.4	70	2.8	13.4	220	30.3	0.027
W588697		3.8	70	0.5	18.1	60	41.7	<0.005
W588698		3.8	66	0.6	16.7	61	38.7	<0.005
W588699		4.4	64	4.6	13.0	352	36.0	0.395
W588700		0.6	2	0.1	0.8	17	<0.5	<0.005
W588701		4.7	56	7.1	12.0	258	32.3	0.572
W588702		3.9	69	2.9	14.8	526	39.8	0.010
W588703		5.0	68	1.7	16.2	163	39.7	0.053
W588704		4.8	67	1.0	15.3	48	41.6	<0.005
W588705		7.3	62	2.4	14.9	>10000	36.3	2.46
W588706		4.2	70	1.3	16.5	611	37.1	0.050
W588707		4.1	70	0.8	18.2	62	37.4	<0.005
W588708		4.4	70	1.9	16.8	131	40.1	0.014
W588709		5.1	60	3.9	13.6	65	52.1	0.009
W588710		3.1	46	2.5	8.9	139	127.0	<0.005
W588711		3.2	47	1.8	7.7	158	118.5	<0.005
W588712		3.3	51	2.6	10.1	148	152.0	0.006
W588713		4.2	65	6.1	12.4	6060	60.9	1.570
W588714		5.6	73	11.6	14.6	118	135.0	0.014
W588715		4.8	71	8.8	13.8	143	133.5	0.016
W588716		4.3	61	5.2	12.2	7390	59.3	2.12
W588717		1.1	2	0.1	0.8	31	0.7	<0.005
W588718		4.1	60	6.0	10.4	1980	32.8	0.204



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159665

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	ME-MS61	ME-OG62	Pb-OG62
	Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

CERTIFICATE WH17159671

Project: Klaza

P.O. No.: 17-089

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159671

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	As-OG62 As %	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
		0.02	1	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1
W588611		3.65					2.31	7.00	49.1	790	1.45	0.27	2.19	12.05	44.1	5.1
W588612		2.16					18.30	5.43	566	920	1.09	0.60	1.23	66.3	39.3	6.6
W588613		1.48					5.92	6.87	2020	590	1.38	0.53	1.11	29.3	45.2	6.0
W588614		2.27	219		2.41	1.605	>100	5.32	>10000	200	1.00	1.50	0.18	290	33.1	8.1
W588615		6.01					0.30	0.07	16.4	20	<0.05	0.03	20.9	0.42	1.13	0.6
W588616		3.92					2.86	7.71	1330	1020	1.30	0.34	2.15	13.15	52.6	5.0
W588617		0.26					37.2	5.56	2550	190	1.27	34.3	1.68	44.5	32.8	15.9
W588618		4.07					62.6	4.17	4170	180	1.13	4.34	2.18	95.2	19.15	5.1
W588619		2.47					20.7	6.74	2820	1480	1.35	2.79	1.25	50.0	43.2	6.2
W588620		<0.02					48.6	6.86	4620	2080	1.25	4.53	1.27	71.2	42.1	5.5
W588621		4.76					0.50	7.13	26.6	2090	1.57	0.24	2.55	0.62	42.4	6.8
W588622		2.41					9.21	6.80	658	1870	1.36	0.23	2.63	63.2	40.0	6.3
W588623		3.93					0.20	6.68	20.4	2360	1.49	0.17	2.97	0.23	36.7	5.7
W588624		5.14					0.97	6.67	118.5	2330	1.43	0.29	3.12	3.52	40.4	5.8
W588625		3.38					0.39	7.47	39.6	2390	1.67	0.20	2.84	1.36	42.0	6.6
W588626		2.12					2.43	7.08	620	1440	1.58	0.40	2.49	14.15	42.8	5.5
W588627		6.41					18.10	6.34	2130	750	1.33	2.12	3.44	43.5	45.9	7.4
W588628		3.86					1.67	7.32	471	1150	1.67	0.25	1.66	10.55	43.0	5.4
W588629		2.73					7.01	6.85	119.5	1080	1.74	2.10	3.05	26.4	55.5	6.7
W588630		2.82					1.14	7.54	79.0	650	1.34	0.36	2.34	2.51	48.5	5.2
W588631		3.33					17.35	6.23	696	650	1.32	1.46	1.04	67.4	45.1	6.0
W588632		6.15					0.07	0.07	2.3	30	0.07	0.03	20.9	0.24	1.14	0.6
W588633		10.45					0.70	6.84	31.0	1400	1.41	0.48	2.17	3.85	42.5	5.8
W588634		3.78					0.59	7.13	29.9	1630	1.65	0.48	2.24	0.92	39.5	7.2
W588635		3.37					1.42	7.87	72.4	880	1.64	0.75	2.28	8.32	43.9	5.8
W588636		9.94					1.07	7.46	72.4	1960	1.69	0.47	2.72	4.04	41.1	6.2
W588637		9.39					5.63	7.20	1225	570	1.71	1.55	2.11	18.75	47.1	10.6
W588638		1.18	154	3.35			>100	5.57	7670	2490	1.08	49.9	0.64	123.5	33.8	27.9
W588639		11.37					0.39	6.81	25.4	1050	2.04	0.19	2.32	0.71	48.3	5.0
W588640		7.24					0.41	7.25	24.3	3120	2.11	0.15	2.33	0.64	50.1	6.0
W588641		0.26					9.94	6.88	1885	1560	1.53	5.71	1.98	43.8	45.0	17.3
W588642		4.05					0.20	7.41	31.2	1620	1.66	0.15	1.06	0.29	69.5	4.9
W588643		4.42					0.21	7.40	30.3	1700	1.74	0.13	1.26	0.36	65.9	5.1
W588644		6.48					1.52	7.12	91.3	1660	1.62	0.30	2.11	4.74	40.8	7.4
W588645		8.29					0.14	7.41	13.0	2210	1.54	0.15	3.23	0.17	44.2	7.0
W588646		11.85					0.45	6.97	235	580	1.54	0.18	2.45	0.43	38.0	8.0



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159671

Sample Description	Method Analyte Units LOR	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01
W588611		11	17.80	12.5	2.99	14.75	0.13	1.2	0.077	3.14	23.3	50.9	0.79	1880	1.64	0.03
W588612		10	12.35	58.6	3.67	12.35	0.11	0.9	0.230	2.49	19.0	24.2	0.54	1240	49.9	0.02
W588613		11	12.15	41.4	4.12	14.95	0.11	1.1	0.395	3.16	22.3	11.3	0.54	1800	1.72	0.02
W588614		13	7.02	817	6.37	12.70	0.12	0.8	0.935	2.54	16.2	11.9	0.22	368	2.67	0.02
W588615		1	0.16	2.4	0.48	0.22	0.16	<0.1	<0.005	0.03	0.6	1.1	13.00	210	0.08	<0.01
W588616		11	21.0	20.8	2.93	16.30	0.15	1.3	0.084	3.27	29.9	60.6	0.79	1300	2.15	0.03
W588617		24	9.45	1155	8.97	13.80	0.11	0.9	1.525	2.58	14.9	16.3	0.66	2300	17.40	0.06
W588618		13	11.65	225	4.12	9.71	0.10	0.8	0.921	1.79	7.1	33.8	0.92	1060	38.4	0.02
W588619		10	14.00	266	4.48	14.80	0.10	1.1	0.519	3.05	20.9	16.9	0.57	1680	7.54	0.02
W588620		11	13.40	488	4.65	14.90	0.10	1.1	0.711	3.15	20.5	13.1	0.60	1680	5.80	0.02
W588621		13	16.50	13.9	2.80	15.15	0.14	1.1	0.058	3.27	20.3	21.6	0.70	846	1.24	1.37
W588622		11	18.25	43.1	3.04	14.15	0.12	1.1	0.099	3.64	18.7	18.0	0.67	1180	1.64	0.74
W588623		10	20.2	6.4	2.77	15.90	0.14	1.2	0.050	3.46	16.7	19.9	0.60	933	1.23	1.25
W588624		11	19.75	9.6	2.88	14.65	0.18	1.1	0.113	3.22	19.6	47.1	0.86	1260	0.92	0.53
W588625		10	15.30	9.1	3.00	15.95	0.15	1.2	0.060	2.98	20.1	18.5	0.77	751	0.92	1.83
W588626		10	21.1	26.6	3.55	15.80	0.15	1.3	0.130	3.41	20.0	46.9	0.64	1890	2.55	0.20
W588627		9	23.0	100.5	3.57	14.00	0.11	1.3	0.721	2.35	24.3	54.5	0.98	1770	23.7	0.03
W588628		12	22.7	21.3	3.04	16.30	0.13	1.2	0.094	2.67	19.5	125.0	0.67	1100	3.09	0.05
W588629		14	19.55	57.4	2.86	16.80	0.15	3.1	0.370	2.20	29.6	174.5	1.02	950	2.53	0.03
W588630		8	22.4	14.9	2.58	16.15	0.13	1.2	0.098	2.97	26.5	30.4	0.83	907	2.02	0.04
W588631		10	12.45	175.5	5.31	14.10	0.13	1.3	0.428	2.80	25.4	22.3	0.55	1440	12.85	0.03
W588632		1	0.21	2.1	0.47	0.24	0.17	<0.1	<0.005	0.03	0.6	1.1	12.90	204	0.41	<0.01
W588633		10	18.20	23.1	2.73	15.60	0.17	1.2	0.098	2.92	19.9	50.6	0.64	928	3.96	0.07
W588634		10	21.2	38.3	3.24	16.75	0.14	1.2	0.087	3.09	18.1	66.0	0.61	668	2.38	0.10
W588635		9	14.95	8.1	4.09	17.05	0.13	1.1	0.133	2.23	21.7	20.8	0.77	649	1.44	2.17
W588636		11	22.5	14.9	2.97	16.95	0.13	1.1	0.088	3.42	21.0	37.8	0.77	727	1.12	0.74
W588637		10	22.4	19.3	3.35	15.30	0.13	1.0	0.144	3.38	25.0	25.4	0.66	930	0.70	0.06
W588638		9	6.63	512	7.43	11.55	0.14	0.7	2.30	2.67	16.9	8.9	0.37	599	0.93	0.02
W588639		14	22.5	9.2	2.32	18.60	0.14	3.1	0.032	2.62	24.4	185.5	0.70	501	1.00	0.04
W588640		14	20.8	17.0	2.31	19.10	0.14	2.9	0.035	2.52	25.6	209	0.81	617	1.65	0.03
W588641		20	17.30	110.5	5.44	14.75	0.13	1.3	0.899	3.00	24.2	24.3	0.74	2050	11.55	0.27
W588642		16	21.1	7.0	2.58	17.90	0.13	3.7	0.028	2.18	37.6	145.5	0.53	796	2.88	0.03
W588643		17	20.8	5.0	2.49	17.85	0.13	3.5	0.028	2.18	36.4	143.0	0.57	764	2.50	0.03
W588644		10	19.95	23.7	3.11	15.80	0.14	1.0	0.078	3.13	20.6	42.7	0.78	1420	2.85	0.09
W588645		10	22.5	16.8	3.14	16.10	0.14	1.0	0.040	3.00	22.3	49.8	0.67	789	2.21	1.42
W588646		9	24.5	13.6	2.79	16.35	0.13	1.1	0.050	3.18	18.9	42.5	0.73	1760	3.65	0.04



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Page: 2 - C
Total # Pages: 2 (A - D)
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Finalized Date: 31-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17159671

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
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05
W588611		6.6	2.0	550	915	148.0	<0.002	0.82	14.70	8.6	1	2.2	85.9	0.55	0.06
W588612		4.9	2.5	370	6620	145.0	<0.002	2.88	112.0	7.0	1	3.3	51.0	0.42	0.17
W588613		6.2	2.3	500	1385	173.0	<0.002	3.29	29.6	8.6	<1	4.1	22.0	0.51	0.10
W588614		4.8	2.0	380	7930	166.0	<0.002	7.34	484	6.4	1	10.0	6.7	0.39	0.41
W588615		0.1	1.1	190	15.8	1.3	<0.002	0.02	0.74	0.2	<1	<0.2	46.7	<0.05	<0.05
W588616		7.3	2.4	600	520	174.0	<0.002	1.64	21.4	9.5	1	2.6	125.5	0.59	0.05
W588617		4.2	14.6	450	1680	137.0	0.003	7.89	113.5	7.8	1	10.8	61.1	0.35	0.72
W588618		4.0	2.5	260	7170	112.5	<0.002	3.92	161.0	5.0	1	4.4	141.5	0.33	0.17
W588619		6.0	2.2	490	3860	183.0	<0.002	3.92	69.4	8.2	<1	4.4	55.2	0.51	0.17
W588620		5.9	2.1	470	9790	191.0	<0.002	4.13	131.0	7.8	1	5.1	62.3	0.50	0.18
W588621		6.9	2.2	570	62.7	134.0	<0.002	0.41	6.17	8.7	<1	1.5	260	0.57	0.12
W588622		6.5	2.1	560	2180	147.5	<0.002	1.09	14.20	8.5	<1	2.1	177.5	0.54	0.06
W588623		7.2	2.3	570	24.8	136.0	<0.002	0.18	4.90	9.1	1	1.5	250	0.61	<0.05
W588624		6.7	2.1	560	144.0	131.0	<0.002	0.53	7.01	8.8	<1	1.6	197.0	0.55	0.07
W588625		7.2	2.4	590	63.8	114.0	<0.002	0.18	3.73	9.6	1	1.6	327	0.58	<0.05
W588626		7.1	2.1	590	443	142.5	<0.002	1.49	17.10	9.3	1	2.4	115.0	0.59	<0.05
W588627		6.2	2.6	550	5180	121.0	<0.002	1.83	60.2	8.1	1	5.2	277	0.49	0.21
W588628		7.6	2.4	650	518	101.0	<0.002	0.51	20.2	10.4	<1	2.7	147.0	0.57	<0.05
W588629		8.3	4.0	820	1585	93.4	<0.002	0.65	35.2	7.2	1	2.1	390	0.59	0.08
W588630		7.2	2.3	620	132.5	123.5	<0.002	0.55	11.35	9.6	1	1.7	122.0	0.62	0.11
W588631		6.2	2.8	560	3260	151.5	<0.002	4.06	72.7	8.5	<1	4.8	77.0	0.47	0.26
W588632		0.1	1.1	180	11.0	1.4	<0.002	0.01	0.28	0.2	<1	<0.2	46.8	<0.05	<0.05
W588633		7.5	2.3	610	156.5	104.5	<0.002	0.72	16.00	9.5	1	1.9	112.0	0.63	0.28
W588634		7.7	2.3	630	39.5	112.5	<0.002	0.61	17.05	10.1	1	1.8	149.5	0.63	0.30
W588635		7.8	2.7	650	300	103.0	<0.002	1.83	5.59	11.7	1	2.1	188.0	0.59	0.46
W588636		8.7	1.9	640	171.5	118.5	<0.002	0.75	8.62	10.1	1	2.1	223	0.63	0.24
W588637		7.7	2.0	600	1420	148.5	<0.002	2.32	10.75	10.5	1	3.4	118.5	0.60	0.95
W588638		4.5	2.3	400	>10000	161.0	<0.002	8.29	177.5	6.9	1	5.6	33.8	0.39	1.62
W588639		10.4	3.9	970	75.2	73.0	<0.002	0.05	17.45	4.2	<1	1.6	683	0.69	<0.05
W588640		11.4	4.2	990	55.7	62.7	<0.002	0.10	19.35	4.4	1	2.2	808	0.72	<0.05
W588641		7.9	15.1	520	1445	162.5	<0.002	3.23	36.0	8.8	1	5.6	157.0	0.59	0.33
W588642		10.6	4.0	1050	27.3	88.0	<0.002	0.08	33.6	4.9	<1	1.6	876	0.65	<0.05
W588643		10.5	4.1	1000	31.1	84.9	<0.002	0.09	33.3	4.7	<1	1.4	832	0.66	<0.05
W588644		8.0	2.0	610	259	115.5	<0.002	0.48	13.20	10.4	1	2.2	123.5	0.60	0.12
W588645		8.9	1.8	650	24.5	105.5	<0.002	0.06	7.03	10.5	1	2.2	295	0.64	<0.05
W588646		8.4	2.1	600	39.8	118.0	<0.002	0.54	15.00	9.6	1	1.6	108.5	0.63	0.05



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 31-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159671

Sample Description	Method Analyte Units LOR	ME-MS61 Ti %	ME-MS61 Ti ppm	ME-MS61 U ppm	ME-MS61 V ppm	ME-MS61 W ppm	ME-MS61 Y ppm	ME-MS61 Zn ppm	ME-MS61 Zr ppm	Au-AA24 Au ppm
		0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
W588611		0.239	2.98	5.0	64	3.1	11.1	940	27.4	0.021
W588612		0.172	2.70	7.1	53	4.2	7.3	4360	20.6	0.242
W588613		0.219	3.20	8.0	63	5.9	8.7	2540	27.2	0.906
W588614		0.171	2.49	5.1	50	3.9	5.0	>10000	20.3	9.75
W588615		<0.005	0.02	0.8	2	0.1	0.7	64	0.5	0.007
W588616		0.252	3.21	6.3	67	4.8	11.4	980	30.3	0.623
W588617		0.161	2.20	5.6	56	7.3	8.2	3390	21.4	1.870
W588618		0.137	2.26	5.6	39	4.5	6.2	6220	21.1	2.75
W588619		0.209	3.55	4.4	57	7.5	8.9	3280	24.8	1.115
W588620		0.212	3.45	4.0	58	7.8	8.3	4660	25.7	2.22
W588621		0.244	2.16	4.1	66	2.3	13.1	84	27.0	0.011
W588622		0.232	2.48	3.9	65	3.0	11.1	4310	27.1	0.186
W588623		0.244	2.23	4.3	66	2.0	12.3	56	29.9	0.007
W588624		0.234	2.41	4.2	62	2.1	12.8	279	27.9	0.177
W588625		0.256	1.62	3.8	69	1.5	14.3	130	31.0	0.052
W588626		0.249	2.70	4.5	69	4.0	12.6	1130	29.5	0.126
W588627		0.218	2.47	6.9	59	3.9	13.3	2800	36.7	0.914
W588628		0.276	2.37	5.5	77	3.6	12.6	693	27.8	0.101
W588629		0.291	1.97	5.6	64	4.1	12.8	1720	115.5	0.302
W588630		0.253	2.82	4.2	67	3.8	13.0	191	29.8	0.036
W588631		0.234	2.65	8.1	66	4.9	9.3	5840	35.1	0.454
W588632		<0.005	0.03	0.5	2	0.1	0.7	33	<0.5	<0.005
W588633		0.258	2.15	4.9	68	2.8	12.6	279	28.4	0.015
W588634		0.265	2.18	4.5	71	3.4	12.0	107	28.6	0.016
W588635		0.246	1.62	4.7	64	2.1	14.1	591	30.4	0.030
W588636		0.275	2.13	3.6	74	2.7	13.9	327	32.1	0.017
W588637		0.253	2.66	3.5	67	2.5	13.3	1400	28.1	0.230
W588638		0.161	2.19	1.7	48	2.8	7.2	7470	18.0	4.66
W588639		0.297	1.17	3.4	47	1.8	7.9	155	125.0	<0.005
W588640		0.304	1.09	3.6	49	2.9	8.6	155	107.5	0.005
W588641		0.220	2.34	4.7	60	4.9	11.2	3150	40.0	0.811
W588642		0.310	1.04	4.7	53	4.8	10.5	96	152.0	<0.005
W588643		0.301	1.04	4.3	51	5.5	9.9	102	140.0	<0.005
W588644		0.248	2.09	4.5	69	3.8	14.1	544	31.2	0.039
W588645		0.282	1.58	3.7	75	3.1	15.9	60	32.0	<0.005
W588646		0.260	3.33	4.2	70	6.0	12.4	84	32.0	0.019



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 31-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159671

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	As-OG62	Au-AA24	ME-MS61
ME-OG62	Pb-OG62	Zn-OG62	



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE WH17159676

Project: Klaza

P.O. No.: 17-087

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159676

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
W588575		7.44	0.21	7.27	10.5	2520	1.53	0.33	3.10	0.17	38.5	6.9	8	18.45	47.8	3.61
W588576		2.99	1.70	7.07	300	2130	1.73	0.39	3.36	9.43	36.7	8.0	11	17.90	35.4	2.91
W588577		8.16	0.08	7.78	10.5	2140	1.69	0.20	2.77	0.13	45.1	7.8	11	16.75	9.0	3.36
W588578		5.04	0.22	7.92	11.1	1950	1.39	0.24	1.30	0.22	46.8	5.8	9	16.05	11.8	2.36
W588579		11.14	0.27	7.35	19.4	990	1.30	1.71	2.24	0.28	37.9	10.1	8	11.65	64.2	3.40
W588580		10.82	0.20	7.39	16.6	1440	1.48	0.64	1.50	0.16	43.7	6.1	10	14.85	6.0	2.72
W588581		4.36	0.09	7.90	7.6	1780	1.30	0.38	1.57	0.15	35.4	6.0	11	13.50	2.6	2.93
W588582		3.81	0.20	7.90	74.8	910	1.66	0.50	1.19	0.18	49.2	6.6	10	15.95	7.4	3.11
W588583		1.56	0.15	8.04	88.7	1010	1.74	0.48	1.12	0.13	52.4	7.8	10	16.65	7.9	3.20
W588584		6.51	0.10	7.30	29.4	2330	1.68	0.45	2.41	0.14	46.2	6.3	11	12.15	5.5	3.02
W588585		6.86	0.09	7.73	8.5	2410	1.64	0.35	2.52	0.13	47.5	8.0	12	12.60	16.7	3.24
W588586		4.89	3.21	7.18	90.2	820	1.43	1.54	2.67	25.9	43.6	9.5	11	10.15	114.5	4.25
W588587		6.02	0.01	0.07	<0.2	80	0.06	0.06	21.9	0.06	1.09	0.6	1	0.13	1.1	0.50
W588588		4.31	0.90	6.49	72.2	1500	1.51	0.43	2.39	0.37	30.0	5.1	9	19.70	5.0	2.62
W588589		4.45	0.12	7.41	14.0	2570	1.27	0.15	1.33	0.11	34.9	4.6	10	19.15	6.1	2.45
W588590		6.43	0.09	7.60	9.7	2260	1.52	0.19	2.21	0.10	44.4	5.2	10	17.70	4.3	3.01
W588591		0.26	9.84	6.59	1850	440	1.46	5.82	1.95	40.6	39.3	17.7	21	15.85	110.5	5.42
W588592		4.24	0.11	7.81	15.7	1880	1.33	0.37	1.40	0.17	41.4	5.2	9	15.45	3.2	2.92
W588593		2.80	0.41	5.61	23.4	5020	1.23	0.39	2.05	0.33	49.4	3.2	10	15.10	8.8	2.05
W588594		6.48	0.09	7.46	16.3	1820	1.61	0.13	2.27	0.13	41.6	7.1	11	20.4	9.5	2.85
W588595		8.34	0.13	7.62	17.8	930	1.40	0.18	1.26	0.14	44.5	6.4	10	17.55	4.6	3.07
W588596		0.26	39.9	5.80	2500	1270	1.14	35.1	1.69	44.2	35.5	16.9	23	9.84	1165	9.04
W588597		7.31	0.14	7.56	10.5	2320	1.54	0.16	2.62	0.14	47.2	5.4	11	13.40	6.5	2.95
W588598		12.39	0.11	7.38	8.6	2140	1.52	0.15	2.36	0.11	44.5	5.0	11	10.85	4.0	2.89
W588599		5.15	0.49	6.84	41.1	2270	1.54	0.20	2.92	0.99	38.3	5.1	10	16.60	9.8	2.88
W588600		4.87	6.95	6.78	154.0	1170	1.51	1.32	2.26	52.3	32.3	10.1	9	18.10	26.1	3.15
W588601		<0.02	8.98	6.89	210	1200	1.64	1.15	2.38	75.0	37.6	8.3	9	19.50	35.1	3.25
W588602		6.55	0.20	7.77	14.4	2340	1.41	0.44	1.26	0.33	49.8	8.3	12	18.70	7.1	2.59
W588603		4.40	3.52	6.68	135.0	1500	1.59	0.12	3.00	11.45	39.7	6.9	10	20.1	23.1	3.37
W588604		1.25	0.11	7.45	6.6	2150	1.59	0.13	2.45	0.18	40.8	5.9	10	20.0	17.1	2.85
W588605		2.28	10.30	7.05	65.8	1540	1.48	2.49	1.88	101.5	36.4	5.8	9	16.65	149.5	3.41
W588606		5.62	0.09	7.28	5.0	2270	1.56	0.15	2.55	0.19	43.8	4.9	10	13.20	4.6	2.67
W588607		4.31	0.36	6.74	12.9	2290	1.64	0.42	3.36	0.29	42.0	9.7	12	13.40	3.6	3.15
W588608		5.05	0.23	7.68	8.5	2780	1.43	0.44	1.84	0.16	41.6	5.7	10	13.15	5.6	2.83
W588609		3.15	0.96	6.29	37.6	1150	1.31	0.99	1.78	0.50	41.4	9.8	10	16.80	81.1	2.69
W588610		5.98	0.02	0.06	<0.2	40	0.06	0.51	21.4	0.07	1.00	0.7	1	0.14	1.5	0.52



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159676

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588575		16.25	0.13	0.9	0.056	2.85	18.8	34.1	0.83	608	0.76	0.72	8.6	2.0	630
W588576		16.80	0.15	0.9	0.057	4.48	17.9	62.9	0.65	1300	0.87	0.12	8.9	2.0	640
W588577		17.00	0.14	1.0	0.044	2.75	21.9	70.6	0.74	683	0.83	1.81	9.2	2.0	690
W588578		16.55	0.13	1.0	0.046	2.60	24.4	80.4	0.55	421	0.39	0.10	9.2	1.5	630
W588579		16.90	0.12	0.9	0.037	2.70	18.3	32.7	0.69	392	0.90	0.85	7.8	2.2	630
W588580		15.40	0.13	0.8	0.035	2.47	23.4	201	0.50	477	0.75	0.64	7.5	1.8	600
W588581		17.35	0.11	0.9	0.037	2.10	17.8	158.5	0.55	692	0.41	0.06	8.8	1.7	660
W588582		16.75	0.12	0.9	0.049	2.27	26.5	281	0.50	681	0.59	0.06	8.6	1.9	630
W588583		17.00	0.14	0.9	0.046	2.43	26.8	297	0.49	653	0.68	0.07	8.8	1.8	650
W588584		16.10	0.13	0.9	0.040	2.73	23.5	22.2	0.81	524	0.38	2.36	8.6	1.8	630
W588585		16.55	0.14	1.0	0.033	2.77	25.2	20.8	0.83	506	0.48	2.45	8.7	2.0	640
W588586		16.05	0.14	0.9	0.197	3.01	22.4	22.9	0.65	987	0.82	0.49	8.2	2.5	630
W588587		0.18	0.11	<0.1	<0.005	0.02	0.5	1.2	13.85	215	0.05	0.01	0.1	0.7	190
W588588		15.40	0.13	1.2	0.049	2.93	14.7	15.0	0.33	909	1.44	0.41	8.3	1.6	650
W588589		16.75	0.13	1.3	0.041	2.99	17.2	150.5	0.23	357	0.93	0.36	8.8	1.8	590
W588590		16.35	0.14	1.2	0.052	2.86	23.0	48.5	0.62	580	0.67	1.65	8.6	2.2	590
W588591		14.90	0.13	1.2	0.867	2.92	19.3	24.5	0.71	2030	11.45	0.27	7.8	14.8	510
W588592		17.05	0.11	1.1	0.083	1.84	21.2	386	0.37	826	0.58	0.04	8.8	1.6	690
W588593		12.10	0.12	0.7	0.070	1.86	30.1	80.2	0.52	924	2.40	0.09	5.2	1.2	380
W588594		16.95	0.14	1.4	0.051	2.64	20.9	91.4	0.55	641	0.88	0.90	9.4	2.0	630
W588595		16.25	0.14	1.1	0.058	2.16	23.2	163.5	0.36	923	1.09	0.12	8.7	2.0	690
W588596		13.35	0.14	0.8	1.470	2.59	18.8	15.0	0.68	2290	16.25	0.06	4.7	13.5	450
W588597		15.90	0.15	1.1	0.054	2.91	25.6	18.7	0.78	765	0.70	2.56	8.5	1.9	590
W588598		15.45	0.13	1.0	0.053	2.74	23.0	18.1	0.85	551	0.52	2.64	8.3	1.9	600
W588599		15.60	0.08	1.1	0.066	3.12	18.0	44.7	0.71	1340	1.50	0.78	6.9	5.8	560
W588600		15.15	0.07	1.2	0.204	2.52	15.2	142.0	0.67	1320	1.55	0.05	6.4	3.4	560
W588601		15.40	0.06	1.1	0.211	2.50	18.5	146.0	0.74	1480	1.03	0.05	6.4	2.4	560
W588602		16.80	0.08	1.3	0.059	2.20	24.8	296	0.39	690	0.91	0.06	7.2	2.5	630
W588603		15.95	0.07	1.3	0.075	2.87	18.2	20.7	0.65	1700	1.11	0.68	7.2	2.5	590
W588604		16.95	0.07	1.3	0.053	2.95	19.3	49.3	0.51	629	1.34	1.46	7.9	2.4	600
W588605		15.30	0.05	1.2	5.01	2.92	17.2	79.9	0.51	1320	1.44	0.31	6.8	2.1	550
W588606		15.45	0.08	1.5	0.064	2.76	21.4	11.4	0.66	543	1.53	2.27	7.4	2.1	550
W588607		15.25	0.12	1.0	0.123	2.40	20.1	30.8	0.78	1240	0.51	1.31	6.9	2.6	590
W588608		16.65	0.06	1.1	0.114	2.73	19.9	87.9	0.48	711	3.22	0.48	7.6	2.1	610
W588609		13.25	0.07	0.9	0.130	2.64	21.4	70.6	0.66	968	4.75	0.03	5.3	2.4	480
W588610		0.23	0.17	<0.1	0.011	0.02	0.5	1.5	13.20	217	0.21	<0.01	0.1	1.2	180



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159676

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W588575		87.1	<0.002	0.18	7.55	11.3	1	1.7	278	0.59	0.11	10.55	0.287	1.35	3.4	79
W588576		167.0	<0.002	1.11	18.70	10.9	1	1.9	187.5	0.63	0.15	9.89	0.287	2.94	5.4	78
W588577		97.5	<0.002	0.14	9.25	12.0	<1	1.6	360	0.64	<0.05	11.20	0.303	1.39	3.7	82
W588578		95.7	<0.002	0.30	24.6	11.1	1	1.9	142.5	0.67	0.05	13.15	0.281	1.33	4.5	75
W588579		93.2	<0.002	2.12	22.0	10.5	1	2.4	184.0	0.56	0.94	10.15	0.264	1.49	3.6	75
W588580		105.5	<0.002	1.26	26.3	10.6	1	2.1	228	0.54	0.30	11.15	0.259	1.35	6.6	71
W588581		67.4	<0.002	0.90	18.65	11.0	1	1.8	144.0	0.65	0.14	11.15	0.291	1.06	4.1	76
W588582		101.0	<0.002	0.83	33.0	11.7	1	2.3	170.5	0.63	0.13	12.85	0.279	1.26	5.6	76
W588583		110.5	<0.002	0.89	31.4	12.1	1	2.4	178.5	0.63	0.14	13.20	0.274	1.34	5.4	73
W588584		97.7	<0.002	0.66	2.49	10.8	1	2.1	375	0.61	0.17	11.80	0.267	1.16	3.5	72
W588585		103.0	<0.002	0.89	2.88	11.5	1	1.6	411	0.64	0.16	12.80	0.275	1.11	3.8	73
W588586		126.5	<0.002	2.30	8.94	10.6	1	4.6	160.0	0.58	0.57	11.00	0.264	1.75	4.0	72
W588587		1.1	<0.002	<0.01	0.06	0.2	<1	<0.2	49.7	<0.05	<0.05	0.08	<0.005	0.02	0.5	2
W588588		120.0	<0.002	0.71	7.01	10.1	1	1.9	76.5	0.62	0.18	8.90	0.266	2.32	2.3	80
W588589		114.0	<0.002	0.05	27.9	10.1	1	1.7	138.5	0.66	<0.05	11.15	0.261	1.22	2.5	69
W588590		100.5	<0.002	0.03	9.54	10.8	1	1.8	293	0.66	0.05	12.30	0.267	1.09	2.9	71
W588591		145.0	<0.002	3.15	33.6	8.4	1	5.5	150.5	0.57	0.31	11.10	0.215	2.29	4.5	59
W588592		74.9	<0.002	0.52	34.9	11.1	1	2.0	264	0.67	0.10	12.25	0.275	1.08	3.5	74
W588593		97.8	<0.002	0.38	59.7	6.9	1	2.0	96.7	0.42	0.14	10.15	0.168	1.49	4.2	53
W588594		91.1	<0.002	0.08	16.80	10.9	1	1.7	216	0.71	<0.05	11.55	0.274	1.21	4.1	72
W588595		92.9	<0.002	0.19	33.9	11.9	1	1.8	160.0	0.60	<0.05	12.65	0.279	1.15	5.1	74
W588596		144.0	0.002	7.82	102.5	7.6	1	11.5	62.8	0.38	0.75	8.42	0.169	2.02	5.0	55
W588597		109.5	<0.002	0.05	2.25	10.4	1	1.7	361	0.62	<0.05	14.00	0.258	1.05	3.7	67
W588598		101.0	<0.002	0.04	1.86	10.1	1	1.6	344	0.60	<0.05	11.85	0.264	0.99	3.3	69
W588599		122.5	0.002	0.51	16.75	9.4	<1	1.7	169.5	0.56	<0.05	11.55	0.242	2.32	3.9	65
W588600		92.6	<0.002	1.48	27.5	9.1	<1	1.7	128.5	0.52	0.44	11.30	0.234	1.87	3.6	63
W588601		105.5	<0.002	1.51	31.9	9.3	<1	1.8	129.5	0.50	0.24	12.00	0.228	1.84	4.1	63
W588602		101.0	<0.002	0.47	35.9	10.5	1	1.8	195.5	0.60	0.19	14.15	0.258	1.33	3.5	69
W588603		108.5	<0.002	0.93	9.28	10.1	1	2.6	165.5	0.60	<0.05	11.35	0.240	1.96	4.3	69
W588604		105.5	<0.002	0.03	13.60	10.0	1	1.8	249	0.66	<0.05	11.85	0.266	1.36	3.8	69
W588605		110.0	<0.002	1.32	25.5	8.9	<1	2.6	106.5	0.57	0.06	10.85	0.234	1.81	4.9	65
W588606		102.0	<0.002	0.04	2.44	9.4	<1	1.6	336	0.68	<0.05	13.85	0.237	1.18	4.5	62
W588607		96.1	<0.002	0.42	8.38	9.9	<1	2.4	180.0	0.57	0.17	10.75	0.250	1.81	4.1	73
W588608		106.5	<0.002	0.33	17.10	10.1	<1	2.0	138.0	0.61	0.14	12.90	0.270	1.63	3.2	71
W588609		150.5	<0.002	1.28	66.6	8.3	1	1.5	89.0	0.44	0.50	11.45	0.188	2.52	8.6	55
W588610		1.0	<0.002	0.01	0.17	0.2	<1	<0.2	48.6	<0.05	<0.05	0.09	<0.005	0.02	0.7	2



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159676

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588575		4.9	14.4	55	26.0	<0.005
W588576		2.0	13.3	769	25.7	0.112
W588577		1.5	16.0	57	27.2	<0.005
W588578		2.7	14.5	46	29.2	0.006
W588579		1.7	14.5	61	24.1	0.013
W588580		2.5	14.0	50	24.1	0.012
W588581		3.1	12.6	53	25.4	0.007
W588582		2.8	18.0	53	25.7	0.011
W588583		3.2	14.7	49	26.0	0.010
W588584		1.0	15.9	49	25.7	0.007
W588585		0.9	16.6	48	26.6	<0.005
W588586		2.4	14.1	2700	25.9	0.183
W588587		0.1	0.7	19	<0.5	<0.005
W588588		2.5	11.6	61	35.5	0.025
W588589		2.8	12.3	43	39.2	<0.005
W588590		2.3	16.1	42	37.3	<0.005
W588591		4.8	10.8	3090	39.3	0.756
W588592		5.3	14.2	50	34.0	<0.005
W588593		1.8	12.1	52	21.7	0.009
W588594		3.2	15.8	47	39.8	<0.005
W588595		4.7	15.4	60	33.8	<0.005
W588596		6.9	9.2	3320	22.7	1.725
W588597		1.4	17.5	48	36.0	<0.005
W588598		1.5	15.8	45	32.1	<0.005
W588599		2.6	13.1	140	26.5	0.007
W588600		3.0	11.1	3630	26.0	0.038
W588601		3.3	12.4	5050	25.3	0.050
W588602		4.6	15.1	79	28.7	0.005
W588603		2.3	14.0	1310	30.1	0.040
W588604		1.4	14.7	76	32.1	<0.005
W588605		1.9	13.2	9530	27.5	0.243
W588606		1.2	15.6	56	33.7	<0.005
W588607		2.0	13.9	85	24.2	0.010
W588608		2.5	13.7	65	25.6	0.007
W588609		2.5	12.3	77	21.0	0.024
W588610		0.1	0.7	17	<0.5	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159676

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2017
Account: ROCKHA

CERTIFICATE WH17159707

Project: Klaza

P.O. No.: 17-094

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159707

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR22 Au ppm	Ag-OG62 Ag ppm	Cu-OG62 Cu %	Pb-OG62 Pb %	Zn-OG62 Zn %	As-OG62 As %	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
		0.02	0.05	1	0.001	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02
V341831		3.27		231		7.05	3.68		>100	4.73	839	460	1.20	22.5	0.58	615
V341832		2.85							3.23	6.57	359	140	1.19	2.88	0.55	6.30
V341833		6.13							12.70	1.66	2170	60	0.20	15.75	0.92	2.96
V341834		2.35							18.45	6.54	251	250	1.53	2.61	1.66	59.0
V341835		1.95	14.30	107		1.265	6.19		>100	4.52	8400	50	0.83	98.7	0.35	642
V341836		3.50	13.20					1.350	16.90	2.49	>10000	670	1.00	2.04	9.06	139.5
V341837		1.88				1.345			54.7	6.73	4870	310	1.57	32.9	1.23	137.5
V341838		4.34							28.5	3.90	2660	270	0.93	23.8	1.02	148.0
V341839		0.33							39.4	5.71	2530	130	1.11	36.0	1.67	42.3
V341840		2.67	12.00			1.680	2.99	2.10	80.1	4.74	>10000	210	0.92	39.0	1.37	479
V341841		1.86							22.8	4.06	148.0	120	1.04	17.50	0.49	9.51
V341842		4.72	12.20			1.160	1.205	1.365	57.5	3.72	>10000	240	1.26	1.22	7.89	174.0
V341843		5.94							0.11	0.06	18.6	20	0.11	0.05	21.9	0.36
V341844		3.69		209		4.14	5.15		>100	4.22	4890	2270	0.91	31.8	0.47	820
V341845		1.84		432		5.42	2.62		>100	3.94	5710	1420	0.71	32.1	0.59	250
V341846		2.34		874		5.66	4.43		>100	2.91	1395	130	0.84	27.6	5.37	554
V341847		2.24		444		3.59	1.345		>100	4.26	413	240	0.91	30.4	1.94	151.0
V341848		0.12	13.75	133	2.88	2.53	15.60		>100	4.42	163.0	660	0.40	1.92	2.04	828
V341849		2.11							23.1	3.99	1195	150	0.84	4.73	3.60	99.2
V341850		5.81				1.810			67.3	5.53	5890	830	1.12	7.24	3.29	80.4
V341851		2.87							7.78	5.83	257	360	1.33	1.08	0.84	39.8
V341852		4.79							14.55	7.04	481	970	1.65	3.17	1.07	60.4
V341853		<0.02							10.75	6.86	492	840	1.65	3.00	1.05	53.5
V341854		1.81	12.20	292		1.840	17.80	1.630	>100	2.22	>10000	180	0.42	108.5	0.11	>1000
V341855		3.19				2.91	2.13		71.1	3.93	3220	300	0.95	4.81	0.73	307
V341856		2.95		115		1.920	1.800		>100	4.56	7350	280	1.08	5.30	0.57	249
V341857		6.13							0.06	0.05	3.3	80	0.06	0.05	21.4	0.21
V341858		4.09							28.1	1.41	666	200	0.13	22.4	3.39	40.7
V341859		6.66							6.92	5.85	208	30	0.53	7.70	1.69	8.23
V341860		2.27	64.8	250		4.25	5.76	2.68	>100	4.48	>10000	430	0.85	18.30	0.76	931
V341861		2.43	18.80	941		15.30	9.25	1.400	>100	1.60	>10000	280	0.41	182.5	0.63	>1000
V341862		3.51	12.25	222		4.16	1.760	1.955	>100	3.73	>10000	150	1.34	39.7	4.53	230
V341863		<0.02	11.80	226		4.21	1.890	1.925	>100	3.78	>10000	160	1.33	43.0	4.55	251
V341864		2.08					2.28		46.0	2.68	758	120	0.46	18.55	1.28	228
V341865		3.02							25.2	2.87	349	220	0.51	12.40	1.34	3.44
V341866		2.46						1.135	25.8	5.81	>10000	870	1.21	6.11	1.62	105.0



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159707

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
		Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
		0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
V341831		26.2	2.8	6	31.4	1165	4.29	11.00	0.05	0.9	9.21	1.82	12.9	28.8	0.32	3570
V341832		5.85	23.6	7	4.77	11.8	11.55	17.00	0.06	1.1	0.407	3.06	2.3	7.2	0.61	574
V341833		2.88	79.0	6	2.59	42.7	35.0	9.17	0.10	0.3	0.369	0.27	1.3	4.0	0.44	547
V341834		46.5	9.6	9	15.65	257	4.53	13.80	0.08	1.0	1.415	3.00	24.8	21.9	0.66	1770
V341835		21.5	6.1	10	4.89	1435	11.95	10.50	0.07	0.6	17.05	2.26	10.0	5.4	0.25	700
V341836		17.95	2.7	8	8.15	123.5	4.51	6.05	<0.05	0.4	1.785	1.06	9.3	22.8	4.08	3150
V341837		46.9	5.7	10	19.85	195.0	5.10	15.10	0.08	1.5	1.775	2.98	25.1	20.6	0.61	973
V341838		53.0	4.4	12	15.15	480	3.23	10.50	0.06	1.0	2.26	1.46	31.3	22.7	0.32	923
V341839		33.7	15.9	23	10.05	1195	9.25	13.50	0.08	0.8	1.570	2.67	16.5	15.0	0.67	2330
V341840		33.9	7.3	8	9.49	1475	6.87	10.30	0.06	0.9	4.48	2.04	18.3	30.5	0.57	1030
V341841		7.00	123.0	7	2.90	7.9	23.5	6.89	0.11	0.5	0.298	2.00	2.3	6.1	0.24	551
V341842		25.5	4.0	7	10.60	343	5.50	8.11	<0.05	0.8	0.557	1.45	13.7	64.3	3.46	1920
V341843		1.11	0.6	<1	0.12	2.3	0.49	0.15	<0.05	<0.1	0.009	0.02	0.5	1.0	13.55	206
V341844		21.3	4.6	9	13.05	1515	6.08	11.40	0.09	0.9	16.90	1.90	9.9	22.7	0.29	665
V341845		20.7	6.5	9	5.09	4090	12.80	9.11	0.12	0.6	2.60	1.86	9.9	9.9	0.27	1010
V341846		26.5	14.6	11	11.10	1165	6.92	7.68	0.07	1.2	2.87	1.10	15.3	22.3	1.76	8800
V341847		33.6	73.2	9	12.20	699	8.30	9.81	0.10	1.0	2.36	1.74	19.6	61.0	0.85	5850
V341848		18.80	58.0	47	1.32	>10000	9.52	16.05	0.13	0.5	3.13	0.83	9.4	5.1	0.79	1680
V341849		28.3	4.7	7	6.55	133.0	4.78	9.18	0.09	0.6	0.183	1.83	14.1	21.4	1.43	2710
V341850		37.9	5.5	7	15.85	431	4.87	11.85	0.09	0.6	1.605	2.27	21.2	70.2	1.25	1800
V341851		42.3	6.9	11	16.85	61.5	2.84	12.95	0.10	1.2	0.390	2.45	23.4	65.4	0.43	675
V341852		47.9	8.2	10	17.05	99.9	4.86	15.50	0.11	1.1	0.664	3.23	24.6	12.3	0.54	1520
V341853		45.4	8.2	10	16.40	87.7	4.82	15.00	0.11	1.1	0.584	3.13	23.8	12.0	0.53	1470
V341854		17.80	3.3	6	1.86	2520	12.10	6.42	0.12	0.3	17.35	1.07	9.6	6.6	0.10	645
V341855		28.6	6.5	11	20.3	265	6.00	9.11	0.08	0.6	1.070	1.81	15.6	27.1	0.28	846
V341856		21.2	4.1	11	9.13	727	6.26	11.10	0.08	0.6	0.804	2.06	7.3	24.5	0.27	716
V341857		1.26	0.6	1	0.12	2.6	0.46	0.17	0.10	<0.1	0.008	0.02	0.6	0.9	13.20	209
V341858		6.63	24.2	6	2.51	109.5	29.9	1.83	0.18	0.1	0.631	0.51	3.3	7.4	1.28	3920
V341859		16.35	23.8	9	12.25	44.6	12.40	9.85	0.12	0.5	0.263	2.47	6.5	4.1	0.60	2930
V341860		24.1	4.4	9	10.75	4150	6.69	10.75	0.10	0.7	15.95	2.14	11.4	15.5	0.35	1200
V341861		10.85	7.7	8	5.47	5630	12.95	6.83	0.11	0.4	34.5	0.62	4.4	15.0	0.22	709
V341862		23.6	4.6	8	16.40	1630	6.71	8.98	0.08	0.9	4.65	1.46	12.5	14.1	1.92	1220
V341863		23.1	4.4	9	16.25	1720	6.69	9.04	0.09	1.0	5.37	1.47	12.0	13.7	1.93	1240
V341864		20.0	17.6	7	11.05	568	15.80	5.07	0.12	0.2	1.435	1.03	10.9	21.1	0.33	585
V341865		23.7	329	9	4.62	10.5	23.7	6.92	0.11	0.4	0.119	1.25	12.1	4.9	0.48	1720
V341866		38.0	13.4	9	16.80	71.5	6.96	12.50	0.11	0.8	0.165	2.61	20.6	14.4	0.57	1590



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159707

Sample Description	Method Analyte Units LOR	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	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
V341831		7.64	0.02	4.9	1.8	310	>10000	99.0	<0.002	4.17	316	5.6	1	6.1	159.5	0.43
V341832		8.74	0.08	5.9	2.6	430	430	172.5	<0.002	>10.0	9.17	7.3	2	6.8	25.9	0.54
V341833		10.05	0.09	1.2	4.4	180	1970	15.8	<0.002	>10.0	15.65	5.7	5	3.0	37.0	0.11
V341834		5.34	0.04	6.8	2.7	500	3780	180.0	<0.002	3.78	75.1	9.1	1	3.7	85.8	0.55
V341835		1.77	0.02	4.4	1.9	330	>10000	122.0	<0.002	>10.0	209	5.9	1	7.3	10.3	0.37
V341836		16.65	0.02	2.4	1.4	160	4600	56.9	<0.002	2.64	104.5	3.3	<1	4.7	204	0.20
V341837		1.99	0.03	7.0	2.7	510	>10000	171.0	<0.002	4.67	69.3	8.3	1	9.8	87.2	0.58
V341838		1.17	0.02	3.9	1.6	320	4980	90.6	<0.002	2.87	47.0	4.6	<1	3.4	139.0	0.32
V341839		16.85	0.07	5.0	14.0	450	1685	140.0	0.002	7.85	105.5	8.1	1	10.8	64.4	0.41
V341840		4.84	0.02	5.0	2.0	360	>10000	118.0	<0.002	7.44	150.5	6.1	1	7.7	88.5	0.40
V341841		37.6	0.03	3.0	5.5	50	730	122.5	0.008	>10.0	14.70	1.9	5	5.9	9.9	0.22
V341842		7.09	0.02	3.8	1.2	270	>10000	87.1	<0.002	2.91	132.5	4.4	1	5.3	149.0	0.32
V341843		0.07	0.01	0.2	1.2	200	18.6	0.9	<0.002	0.01	0.23	0.1	<1	<0.2	49.4	<0.05
V341844		6.11	0.02	4.2	2.7	380	>10000	105.0	<0.002	8.94	244	4.8	2	16.5	150.5	0.33
V341845		4.14	0.01	3.5	1.6	260	>10000	106.5	<0.002	>10.0	760	4.7	2	15.7	27.0	0.28
V341846		5.81	0.03	3.7	9.2	320	>10000	55.2	<0.002	7.79	426	2.7	2	9.8	230	0.29
V341847		5.73	0.03	4.7	9.7	340	>10000	115.5	<0.002	7.10	179.0	4.5	2	4.8	140.5	0.40
V341848		155.0	1.11	2.1	18.4	570	>10000	27.4	0.077	>10.0	181.5	10.3	13	19.0	227	0.14
V341849		81.3	0.02	3.9	2.1	290	4300	110.5	<0.002	3.97	88.7	5.5	1	4.8	119.5	0.31
V341850		13.80	0.02	4.6	1.9	440	>10000	122.0	<0.002	2.87	177.5	7.1	1	4.0	188.0	0.36
V341851		10.65	0.03	6.4	2.9	440	1580	145.0	<0.002	1.86	65.9	7.6	1	3.0	104.5	0.53
V341852		4.95	0.03	6.7	3.1	520	2410	195.0	<0.002	4.07	42.8	9.5	1	4.7	96.9	0.51
V341853		5.17	0.03	6.5	3.0	520	2240	187.0	<0.002	4.01	34.7	9.3	1	4.4	93.6	0.49
V341854		4.08	0.01	1.8	0.9	150	>10000	65.3	<0.002	>10.0	311	2.5	6	15.7	5.2	0.14
V341855		72.6	0.02	3.1	2.7	330	>10000	115.0	<0.002	7.36	162.0	5.8	1	8.4	49.3	0.25
V341856		6.39	0.02	4.5	2.0	270	>10000	128.0	<0.002	7.38	289	5.9	1	5.8	108.0	0.35
V341857		0.86	0.01	0.2	1.8	190	8.6	0.9	<0.002	<0.01	0.25	0.2	<1	<0.2	46.9	<0.05
V341858		1.49	0.02	0.8	2.7	210	6870	27.7	<0.002	>10.0	15.40	1.1	7	2.4	52.9	0.05
V341859		0.41	0.08	3.6	3.6	530	557	100.5	<0.002	>10.0	7.44	7.9	6	4.3	110.0	0.23
V341860		3.40	0.01	4.6	1.8	340	>10000	119.5	<0.002	8.56	1540	5.6	2	7.4	33.6	0.38
V341861		7.75	0.01	1.7	1.5	150	>10000	36.2	<0.002	>10.0	986	1.7	5	17.1	73.8	0.13
V341862		6.79	0.02	3.9	2.4	280	>10000	81.4	<0.002	6.50	361	4.4	2	7.4	131.0	0.31
V341863		6.66	0.02	3.9	2.4	270	>10000	81.1	<0.002	6.55	371	4.4	2	7.4	129.5	0.32
V341864		6.85	0.03	2.6	4.9	170	6880	55.2	<0.002	>10.0	93.8	3.6	3	8.0	86.8	0.19
V341865		0.57	0.05	1.6	14.3	270	313	69.1	<0.002	>10.0	8.00	3.1	3	1.5	30.2	0.15
V341866		2.21	0.02	5.5	2.3	430	4310	161.0	<0.002	6.63	113.5	7.6	1	4.4	57.4	0.42



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 3-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17159707

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24	
		Te	Th	Ti	Ti	U	V	W	Y	Zn	Zr	Au
		ppm 0.05	ppm 0.01	% 0.005	ppm 0.02	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V341831		<0.05	7.44	0.155	2.26	6.4	43	6.1	8.2	>10000	24.5	5.66
V341832		0.63	8.73	0.168	2.30	2.2	62	5.3	5.3	488	31.3	0.395
V341833		6.71	4.21	0.056	0.29	2.7	52	1.9	5.7	208	6.7	2.56
V341834		0.33	11.95	0.209	2.72	4.0	59	3.6	10.2	4740	29.2	0.410
V341835		0.43	6.43	0.138	1.83	2.2	41	3.2	6.2	>10000	17.4	>10.0
V341836		<0.05	4.33	0.076	1.16	5.7	23	3.0	6.0	9610	12.0	>10.0
V341837		0.12	11.95	0.218	2.77	5.3	59	4.5	10.7	9010	52.6	6.79
V341838		0.38	5.82	0.123	1.41	2.5	50	5.0	6.4	9530	34.1	1.440
V341839		0.75	8.47	0.172	2.20	5.4	56	7.6	8.7	3420	23.7	1.700
V341840		0.33	7.23	0.154	2.08	3.2	42	4.1	7.9	>10000	28.1	>10.0
V341841		10.25	7.55	0.094	1.51	1.7	19	6.8	5.6	728	15.0	0.656
V341842		0.12	5.70	0.119	1.63	4.2	33	3.9	8.8	>10000	29.2	>10.0
V341843		<0.05	0.07	<0.005	<0.02	0.7	2	0.1	0.9	45	<0.5	0.020
V341844		0.16	5.90	0.136	1.90	4.5	37	3.7	6.2	>10000	32.0	8.34
V341845		0.75	5.47	0.115	1.71	2.6	34	3.2	6.5	>10000	17.7	9.15
V341846		0.16	5.04	0.098	0.97	4.7	26	3.0	5.8	>10000	47.4	1.095
V341847		0.31	9.12	0.130	1.68	2.9	35	4.1	6.8	>10000	37.7	1.560
V341848		0.52	1.70	0.176	7.23	2.1	122	7.6	12.3	>10000	11.4	>10.0
V341849		1.52	6.60	0.125	2.01	4.8	39	2.4	6.5	7340	19.0	0.617
V341850		0.13	8.88	0.157	2.03	6.0	47	3.0	11.8	5440	20.4	2.77
V341851		0.12	12.35	0.191	2.19	4.6	51	3.5	10.4	2690	42.2	0.374
V341852		0.26	12.40	0.218	3.30	4.5	63	5.0	11.3	4550	36.0	0.434
V341853		0.24	11.95	0.216	3.22	4.3	61	4.9	10.7	4040	36.5	0.446
V341854		0.74	3.47	0.060	0.91	1.1	19	2.0	4.9	>10000	10.2	>10.0
V341855		0.61	6.54	0.125	1.96	21.1	45	4.9	6.4	>10000	18.0	2.06
V341856		1.69	5.69	0.145	2.13	2.5	41	4.4	7.7	>10000	18.7	4.50
V341857		<0.05	0.09	<0.005	<0.02	0.8	2	0.1	0.8	27	<0.5	0.006
V341858		1.51	2.05	0.046	0.56	0.9	15	2.5	4.2	3130	3.5	1.235
V341859		0.36	3.40	0.230	2.20	1.6	80	5.9	7.8	657	17.9	0.525
V341860		0.07	6.81	0.152	2.35	2.8	42	3.8	6.5	>10000	21.9	>10.0
V341861		1.16	2.07	0.056	0.75	2.2	14	1.4	2.8	>10000	17.6	>10.0
V341862		0.15	5.84	0.125	1.52	8.2	35	3.0	9.4	>10000	34.9	>10.0
V341863		0.14	5.80	0.128	1.53	8.2	36	2.9	9.3	>10000	35.2	>10.0
V341864		0.55	4.32	0.096	1.65	45.4	33	5.4	8.9	>10000	5.4	0.647
V341865		7.88	2.99	0.052	1.09	1.9	24	2.0	4.4	451	10.4	0.422
V341866		0.54	9.30	0.179	2.77	3.4	51	3.7	12.2	6850	24.8	1.615



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 3-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159707

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	As-OG62	Au-AA24	Au-GRA22
	Cu-OG62	ME-MS61	ME-OG62	Pb-OG62
	Zn-OG62			



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To: ROCKHAVEN RESOURCES LTD.
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7-AUG-2017
This copy reported on
16-AUG-2017
Account: ROCKHA

CERTIFICATE WH17159790

Project: ROCKHA_WH17129282

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS

To: ROCKHAVEN RESOURCES LTD.
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND 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 *****

Comments: **Re-analysis results for samples originally reported on certificate WH17129282**

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7-AUG-2017
Account: ROCKHA

Project: ROCKHA_WH17129282

CERTIFICATE OF ANALYSIS WH17159790

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
		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
		ppm	%	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	0.05
V339179		31.0	6.77	3980	1460	1.73	0.86	2.09	18.80	44.5	6.5	10	32.8	81.3	3.39	16.95
V339182		0.32	6.80	80.8	1690	1.87	0.19	2.78	0.18	51.5	5.0	21	36.7	10.0	2.12	19.10
V339183		>100	5.62	>10000	3090	1.44	3.18	1.30	139.0	33.1	7.3	6	25.9	1300	8.67	14.35
V339184		5.60	7.29	722	2130	1.63	0.23	1.82	20.8	52.0	4.9	10	24.2	22.4	3.95	17.00
V339185		39.8	5.58	2480	270	1.14	38.0	1.62	45.2	34.3	17.1	21	10.35	1120	8.88	14.00
V339186		1.64	7.16	147.0	960	1.28	0.24	3.01	5.01	49.1	7.1	9	17.20	13.0	2.79	15.70
V339187		0.18	7.08	41.9	1790	1.68	0.16	2.25	0.18	46.6	6.6	9	24.4	11.7	2.89	16.50
V339188		11.60	6.20	328	1680	1.57	1.56	3.09	11.35	45.7	10.2	8	16.80	24.1	2.80	15.30
V339189		8.30	7.09	194.5	2220	1.52	3.24	2.46	24.2	47.2	10.3	10	16.05	27.1	3.29	16.70
V339190		9.63	6.62	1795	680	1.55	6.36	1.89	42.0	42.1	17.5	20	17.15	106.5	5.16	15.60
V339191		54.5	6.92	1000	1360	1.45	1.85	2.36	47.0	49.2	7.0	11	18.00	113.5	3.94	16.65
V339192		0.10	0.07	11.1	30	0.05	0.05	20.6	0.13	1.08	0.6	<1	0.27	1.4	0.43	0.22
V339193		0.64	6.40	164.5	1640	1.37	0.20	3.09	2.28	32.6	6.7	9	24.4	12.2	2.88	16.55
V339194		4.20	5.47	325	1440	1.56	2.88	1.07	5.58	58.2	23.0	10	12.55	27.3	3.70	12.45
V339195		2.94	6.90	48.8	1710	1.36	1.42	2.75	15.55	50.2	8.2	10	15.95	45.0	3.11	16.95
V339196		0.02	0.06	5.4	30	<0.05	0.05	20.7	0.10	1.10	0.6	1	0.12	1.5	0.44	0.18
V339197		7.57	6.64	110.5	1230	1.32	1.77	2.38	14.85	48.4	7.8	10	15.70	70.1	3.49	15.05
V339198		0.15	8.08	11.8	2280	1.05	0.26	1.13	0.17	51.3	5.0	9	13.40	7.8	2.90	17.50
V339199		0.16	8.36	12.1	2360	1.18	0.25	1.13	0.27	53.0	5.3	8	14.75	9.4	2.94	18.25
V339200		6.66	7.35	96.5	1390	1.35	0.57	1.80	20.4	46.1	5.7	9	21.0	40.3	2.57	17.00
V339201		3.01	6.94	137.0	1270	1.36	0.92	3.61	9.24	47.6	8.4	8	21.0	37.4	3.16	15.90
V339202		1.13	6.99	55.0	1480	1.28	0.44	2.92	2.82	50.6	5.5	9	15.90	14.6	3.07	15.55
V339203		2.64	7.43	72.7	1710	1.43	0.70	1.11	2.07	57.2	12.0	12	11.90	9.3	2.99	16.35
V339204		0.88	6.82	63.9	1440	1.76	0.34	2.51	1.09	46.1	7.0	8	26.4	18.2	2.65	16.10
V339205		0.12	6.77	12.8	1910	1.49	0.15	2.35	0.18	40.0	5.9	9	20.6	4.5	2.73	16.25
V339206		0.12	6.63	12.2	1860	1.49	0.14	2.30	0.19	42.1	6.0	9	21.1	4.2	2.70	16.30
V339207		5.75	6.89	94.0	1790	1.75	0.21	3.30	30.0	47.1	7.1	7	27.2	23.6	2.98	16.15
V339208		0.56	6.70	53.1	1960	1.61	0.17	3.34	0.67	50.1	6.2	9	23.4	6.8	2.88	16.05
V339209		3.38	6.42	126.5	2510	1.47	0.44	3.21	13.35	45.2	7.3	7	18.85	26.6	2.82	15.05
V339210		0.14	6.94	18.2	3270	1.40	0.12	2.45	0.28	41.9	7.1	9	19.85	5.1	2.86	16.65
V339211		0.28	7.17	20.0	2550	1.47	0.12	2.23	1.30	45.7	7.1	9	21.5	7.6	3.09	16.65
V339212		87.5	5.42	7570	2070	1.52	7.00	3.54	70.6	37.7	16.5	8	22.7	461	5.08	12.55
V339213		1.09	6.97	112.0	2030	2.11	0.22	4.02	1.68	57.5	6.2	16	30.8	10.2	2.33	19.80
V339214		0.69	7.21	72.3	1340	2.11	0.18	3.67	0.43	54.1	6.4	10	32.7	6.5	2.59	18.40
V339215		0.04	7.13	30.4	750	1.95	0.21	2.41	0.27	51.3	5.8	14	22.4	5.2	2.24	20.8
V339216		0.12	6.92	30.9	860	2.19	0.28	2.50	0.35	52.5	5.7	14	22.2	8.2	2.49	20.5

Comments: **Re-analysis results for samples originally reported on certificate WH17129282**

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



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7-AUG-2017
Account: ROCKHA

Project: ROCKHA_WH17129282

CERTIFICATE OF ANALYSIS WH17159790

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
V339179		0.09	1.3	0.197	2.90	22.2	23.5	0.77	1240	2.55	0.05	8.0	4.6	600	1585	123.0
V339182		0.11	2.7	0.034	2.47	24.5	135.0	0.85	710	2.81	0.05	9.1	11.5	760	23.7	84.9
V339183		0.09	1.0	0.686	2.00	15.9	16.2	0.64	2350	4.84	0.03	5.9	5.6	420	>10000	107.0
V339184		0.10	1.6	0.108	2.58	27.5	58.8	0.80	3730	2.02	0.02	8.1	2.9	670	564	142.5
V339185		0.09	0.8	1.525	2.52	17.4	13.3	0.66	2240	15.90	0.06	4.9	13.9	440	1620	141.0
V339186		0.09	1.2	0.058	2.03	26.0	85.7	1.07	1180	2.10	0.04	7.9	2.2	580	123.0	87.9
V339187		0.11	1.2	0.050	2.73	22.6	71.8	0.67	863	1.24	0.75	8.2	2.2	590	25.6	107.0
V339188		0.11	1.0	0.137	2.01	23.4	38.6	0.73	1790	13.65	0.90	7.2	2.7	560	889	96.3
V339189		0.12	1.0	0.081	2.95	24.3	40.5	0.68	1360	1.35	1.33	7.7	2.4	570	270	132.5
V339190		0.11	1.2	0.915	2.81	21.6	23.0	0.70	1940	10.95	0.26	7.6	15.1	500	1355	153.0
V339191		0.10	1.0	0.152	2.95	25.1	20.0	0.74	954	1.33	1.28	8.0	2.5	590	6620	162.5
V339192		0.11	<0.1	0.011	0.03	0.5	1.1	12.90	188	0.09	0.01	0.2	1.3	180	7.7	1.4
V339193		0.12	1.3	0.058	2.68	15.0	96.1	0.34	938	1.45	0.74	8.2	2.3	580	60.9	96.0
V339194		0.10	0.8	0.211	2.27	35.2	22.4	0.37	1500	4.39	0.04	5.1	3.0	400	336	128.0
V339195		0.11	1.6	0.311	2.63	25.2	42.1	0.89	1180	2.22	0.15	8.9	2.7	630	615	120.5
V339196		0.14	<0.1	0.008	0.02	0.5	0.8	13.00	193	0.09	<0.01	0.1	1.3	160	2.8	1.0
V339197		0.10	1.0	0.172	2.88	26.2	26.0	0.85	2680	2.01	0.11	7.2	2.2	520	484	148.5
V339198		0.11	1.3	0.072	2.92	27.5	25.7	0.46	761	1.71	0.44	8.8	1.8	650	16.9	122.0
V339199		0.10	1.3	0.074	2.99	28.7	28.8	0.43	853	1.46	0.48	9.1	2.0	650	23.0	130.0
V339200		0.10	1.0	0.075	2.82	23.4	48.3	0.67	746	1.40	0.34	8.0	2.1	610	1140	128.0
V339201		0.11	1.0	0.094	2.93	26.4	16.2	1.38	1290	0.95	0.03	7.2	2.1	520	307	165.5
V339202		0.10	1.0	0.069	2.86	26.5	47.0	1.04	829	0.74	0.52	7.9	2.1	560	99.0	117.5
V339203		0.10	1.2	0.077	2.20	32.5	70.3	0.37	823	3.23	0.07	8.3	3.2	590	31.0	110.0
V339204		0.10	1.2	0.063	2.79	23.7	80.0	0.76	827	1.81	0.50	8.1	2.6	560	71.4	122.0
V339205		0.11	1.1	0.047	3.00	19.7	37.5	0.60	648	1.28	1.46	8.2	2.2	570	18.2	122.0
V339206		0.11	1.1	0.050	2.97	20.6	38.7	0.58	630	2.12	1.43	8.0	2.2	550	18.1	121.5
V339207		0.12	1.0	0.070	3.10	24.9	22.4	0.94	2720	1.24	0.10	7.6	2.5	550	212	166.0
V339208		0.12	1.0	0.058	3.13	24.9	17.3	0.83	1370	2.08	0.87	7.9	2.5	560	38.4	147.0
V339209		0.12	1.0	0.180	2.70	23.0	28.2	0.83	845	1.85	1.48	7.5	2.6	530	482	117.5
V339210		0.11	1.0	0.044	2.83	20.8	19.9	0.69	694	1.31	1.52	7.9	2.3	590	38.8	109.0
V339211		0.11	1.0	0.048	3.02	22.9	34.0	0.80	759	1.24	1.22	8.3	2.6	590	24.6	124.0
V339212		0.09	1.3	0.803	2.17	18.7	25.8	0.83	1330	2.96	0.11	6.0	6.9	440	6700	109.0
V339213		0.13	3.9	0.040	2.81	27.8	59.7	0.78	742	0.80	0.06	11.5	7.2	890	88.5	94.0
V339214		0.11	3.5	0.053	2.80	26.8	38.9	0.90	751	0.97	0.08	10.5	4.0	830	63.0	104.5
V339215		0.11	3.7	0.034	2.84	24.4	96.4	0.63	519	0.59	0.09	11.8	5.0	1040	24.9	85.1
V339216		0.13	3.9	0.049	2.12	25.1	94.2	0.63	539	0.59	0.05	11.6	4.9	1040	26.4	67.6

Comments: **Re-analysis results for samples originally reported on certificate WH17129282**

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CERTIFICATE OF ANALYSIS WH17159790

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 0.01	ME-MS61 Ti % 0.005	ME-MS61 Ti ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1
V339179		0.003	1.13	56.8	9.4	1	4.0	184.5	0.66	0.23	12.30	0.237	2.76	4.7	62	4.4
V339182		0.003	0.16	14.15	6.0	1	1.8	329	0.70	<0.05	9.55	0.270	1.95	5.2	51	2.1
V339183		0.003	6.77	878	7.2	1	10.7	181.0	0.48	1.26	8.44	0.183	2.59	3.5	48	3.8
V339184		0.003	1.12	38.4	9.5	1	3.6	314	0.65	<0.05	12.60	0.253	3.02	6.4	64	9.4
V339185		0.004	7.72	102.5	8.0	2	10.5	61.8	0.39	0.72	8.54	0.164	2.28	5.6	55	7.2
V339186		0.003	0.35	12.10	10.2	1	1.9	246	0.67	<0.05	13.50	0.250	1.72	5.3	68	3.3
V339187		0.002	0.13	13.00	10.9	1	1.8	208	0.68	<0.05	13.25	0.253	1.76	5.5	69	2.1
V339188		0.003	1.36	36.6	9.8	1	2.5	296	0.54	0.40	11.30	0.226	1.83	5.3	63	2.2
V339189		0.004	1.36	15.40	10.6	1	2.1	244	0.60	1.55	12.45	0.253	1.75	4.1	67	2.1
V339190		0.004	3.11	36.3	8.6	1	5.8	151.5	0.60	0.31	11.00	0.206	2.45	5.2	57	5.1
V339191		<0.002	2.06	106.0	11.2	1	3.0	214	0.58	0.65	13.25	0.252	2.16	4.0	67	2.0
V339192		0.002	<0.01	0.23	0.2	<1	<0.2	49.2	<0.05	<0.05	0.09	<0.005	<0.02	0.7	2	0.1
V339193		0.003	0.11	15.20	9.5	1	1.7	189.5	0.65	<0.05	9.64	0.261	2.08	3.1	72	3.4
V339194		0.002	1.44	32.5	7.6	1	2.5	66.4	0.41	0.88	9.46	0.158	1.80	6.3	56	10.3
V339195		0.002	0.60	20.7	10.5	1	2.3	254	0.66	0.11	12.20	0.264	2.19	7.1	71	4.2
V339196		<0.002	<0.01	0.14	0.1	1	<0.2	52.5	<0.05	<0.05	0.12	<0.005	<0.02	0.6	2	0.1
V339197		0.002	1.07	17.45	9.2	1	2.1	127.0	0.58	0.14	11.75	0.220	2.22	5.8	61	4.2
V339198		<0.002	0.07	9.77	10.7	1	1.8	124.0	0.70	0.07	13.90	0.272	1.45	3.3	70	5.3
V339199		0.002	0.08	10.65	11.4	1	2.0	129.5	0.74	0.06	14.00	0.276	1.53	3.3	70	5.6
V339200		0.003	0.55	9.84	10.3	1	2.2	210	0.62	<0.05	13.40	0.255	2.10	5.4	66	4.8
V339201		0.002	0.85	10.80	9.3	1	2.2	141.5	0.58	0.07	12.25	0.224	2.59	5.1	62	3.8
V339202		0.002	0.24	7.50	10.1	1	1.9	198.5	0.62	0.06	13.40	0.251	1.82	4.5	67	3.6
V339203		0.002	0.43	17.75	11.1	1	2.5	159.0	0.69	0.25	14.00	0.240	1.54	7.1	68	13.5
V339204		0.002	0.41	8.52	10.0	1	2.7	276	0.65	<0.05	12.70	0.247	2.04	4.0	67	3.1
V339205		0.002	0.05	4.11	10.4	1	1.6	309	0.64	<0.05	11.50	0.244	1.71	2.7	66	1.6
V339206		0.002	0.04	4.09	10.3	1	1.6	303	0.65	<0.05	12.20	0.239	1.73	2.8	66	1.5
V339207		<0.002	0.93	14.00	10.0	1	2.9	210	0.58	<0.05	12.75	0.228	2.94	8.3	63	3.6
V339208		0.002	0.30	8.61	11.0	1	1.6	295	0.62	<0.05	12.95	0.243	2.43	6.0	66	2.8
V339209		<0.002	0.47	9.63	9.7	1	1.8	389	0.58	0.06	12.20	0.231	1.53	5.0	62	2.0
V339210		<0.002	0.09	6.39	11.1	1	1.6	320	0.62	<0.05	12.90	0.247	1.48	4.0	68	2.7
V339211		0.002	0.11	7.35	10.9	1	1.6	293	0.65	<0.05	12.95	0.253	1.61	3.7	69	4.5
V339212		<0.002	3.95	146.5	7.0	1	4.9	276	0.46	0.74	8.94	0.182	1.83	4.9	48	2.7
V339213		0.003	0.18	18.70	6.6	1	1.6	688	0.78	<0.05	10.55	0.310	1.95	4.9	58	1.7
V339214		0.002	0.22	19.65	7.5	1	1.4	810	0.74	<0.05	10.15	0.304	1.74	5.2	70	1.5
V339215		0.002	0.05	12.80	5.2	<1	1.7	584	0.79	<0.05	8.90	0.320	1.75	3.5	50	1.8
V339216		0.002	0.04	15.20	5.2	1	1.7	564	0.74	<0.05	8.72	0.309	1.20	3.8	51	1.6

Comments: **Re-analysis results for samples originally reported on certificate WH17129282**

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



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 7-AUG-2017
 Account: ROCKHA

Project: ROCKHA_WH17129282

CERTIFICATE OF ANALYSIS WH17159790

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V339179		15.1	1240	41.8
V339182		13.0	62	97.4
V339183		10.3	9420	32.7
V339184		15.2	1440	58.0
V339185		9.7	3260	25.0
V339186		17.7	301	35.8
V339187		16.6	43	33.5
V339188		15.0	893	29.3
V339189		15.5	1900	28.4
V339190		11.6	3040	40.7
V339191		16.0	3100	28.2
V339192		0.8	22	<0.5
V339193		14.0	292	38.7
V339194		15.0	703	25.3
V339195		17.6	1040	54.1
V339196		0.8	19	<0.5
V339197		15.6	1530	31.0
V339198		16.6	59	34.9
V339199		17.3	68	35.9
V339200		14.2	1520	30.4
V339201		15.8	664	27.1
V339202		15.6	212	29.2
V339203		15.8	354	35.2
V339204		16.2	108	36.8
V339205		15.5	49	33.7
V339206		15.5	46	32.8
V339207		16.2	1850	31.0
V339208		16.7	83	29.0
V339209		15.7	957	30.1
V339210		16.4	55	29.7
V339211		16.7	103	31.8
V339212		11.1	6830	44.9
V339213		12.5	195	153.5
V339214		14.3	91	135.0
V339215		9.3	97	153.5
V339216		9.4	117	159.0

Comments: **Re-analysis results for samples originally reported on certificate WH17129282**

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



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Project: ROCKHA_WH17129282

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 7-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17159790

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
FND-02 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 12-SEP-2017
Account: ROCKHA

CERTIFICATE WH17162612

Project: Klaza

P.O. No.: 17-093

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 12-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162612

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Pb-OG62 Pb %	Zn-OG62 Zn %	As-OG62 As %	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
		0.02	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
W588719		7.73				1.23	7.13	191.5	1550	1.56	0.36	2.18	3.08	42.8	7.6	12
W588720		4.62				12.30	6.53	3420	170	1.23	2.26	0.52	128.5	36.8	7.7	11
W588721		8.94				1.68	7.00	145.5	1700	1.63	0.74	2.36	13.30	42.0	6.6	11
W588722		0.27				42.2	5.60	2670	60	1.08	35.1	1.61	43.9	34.0	15.4	23
W588723		8.54				4.03	6.81	511	420	1.51	0.67	2.49	12.55	48.0	7.2	11
W588724		1.80				11.70	6.85	1635	610	1.56	2.97	2.28	114.0	47.2	6.4	8
W588725		2.76				0.54	6.81	358	1030	1.42	0.18	2.95	1.62	45.0	5.6	9
W588726		7.83				0.18	6.93	20.8	2210	1.40	0.25	2.36	0.30	41.3	6.3	10
W588727		2.65				0.05	7.05	46.2	4200	2.11	0.18	3.92	0.09	68.5	6.7	22
W588728		1.66				0.05	7.24	47.9	4580	2.22	0.16	3.81	0.12	70.3	6.7	24
W588729		7.21				0.15	7.07	15.2	2990	1.49	0.33	1.92	0.20	39.9	6.6	11
W588730		3.70				4.81	6.57	248	280	1.78	3.17	1.75	32.1	41.0	7.5	11
W588731		1.19				16.90	6.67	904	300	1.90	6.72	1.47	66.2	44.5	12.2	9
W588732		5.93				0.02	0.06	1.5	40	0.07	0.05	21.5	0.14	1.07	0.8	1
W588733		6.53				0.52	7.23	119.5	690	2.03	0.43	2.42	0.74	47.7	8.1	9
W588734		1.36		1.350	1.870	28.3	5.48	>10000	300	1.36	2.95	1.27	231	32.8	6.1	8
W588735		11.74				52.4	7.07	826	1090	1.79	12.20	3.07	52.5	53.5	8.6	12
W588736		0.27				12.50	6.33	1655	100	1.30	11.95	1.81	30.9	40.6	19.5	20
W588737		2.07	1.405	2.06	2.56	40.4	4.70	>10000	90	1.09	3.63	3.37	316	31.3	3.8	8
W588738		3.47				10.00	5.74	9580	150	1.46	0.80	3.40	116.5	37.9	5.4	8
W588739		2.15				9.61	5.77	1220	80	1.15	3.87	1.61	62.5	35.1	9.1	11
W588740		6.01				0.54	7.57	124.0	1130	1.72	0.34	2.73	0.96	51.0	8.2	12
W588741		3.82				0.04	7.04	60.2	1740	2.07	0.17	3.80	0.29	68.1	8.0	26
W588742		1.37				0.96	7.33	137.0	2550	1.91	0.36	2.52	1.56	49.1	9.3	13
W588743		2.74				14.55	6.72	6070	430	1.54	0.44	2.54	53.1	45.8	6.3	9
W588744		6.18				0.03	0.06	7.9	30	0.07	0.04	22.3	0.16	1.08	0.8	1
W588745		11.15				0.23	7.11	52.5	930	1.52	0.39	3.20	0.29	52.6	7.5	10
W588746		9.17				0.53	7.20	66.4	1440	1.56	1.26	2.63	0.45	52.2	8.6	21
W588747		2.34				0.93	7.49	30.0	840	1.46	0.96	2.08	0.62	51.3	7.6	12
W588748		8.96				3.72	6.90	979	540	1.54	0.55	2.32	14.85	46.1	7.8	12
W588749		<0.02				3.83	6.60	1170	420	1.51	0.66	2.29	14.65	45.8	7.7	12
W588750		2.98				12.30	7.13	3460	330	1.51	0.65	1.12	12.05	42.0	6.6	11
W588751		4.31				1.78	6.90	495	590	1.64	0.34	2.11	7.29	42.1	6.6	15
W588752		1.71			3.29	42.4	5.71	>10000	520	1.19	0.58	0.88	122.5	36.4	4.4	9
W588753		5.70				0.50	7.21	184.0	870	1.62	0.36	2.44	0.38	38.2	8.1	11
W588754		2.15				9.11	7.28	5800	1940	2.00	2.43	2.11	53.7	36.8	6.9	23



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 12-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162612

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
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
W588719		29.9	17.2	2.74	15.80	0.07	1.2	0.114	3.29	21.3	11.8	0.74	1940	1.65	0.04
W588720		10.45	74.5	5.92	14.15	0.06	0.9	1.415	3.12	18.5	12.9	0.36	556	1.30	0.02
W588721		31.4	15.6	2.99	15.80	0.06	1.0	0.231	3.40	21.3	11.6	0.68	1620	1.27	0.04
W588722		9.80	1205	9.06	12.95	0.05	0.8	1.580	2.73	17.5	13.9	0.66	2290	16.60	0.06
W588723		29.2	32.7	3.61	14.45	0.07	1.1	0.138	2.96	26.7	17.0	0.86	2590	2.21	0.03
W588724		23.5	126.0	4.19	15.20	0.06	1.3	0.596	3.11	25.8	12.0	0.83	1700	3.41	0.04
W588725		29.4	10.2	2.44	14.85	0.07	1.2	0.063	3.19	23.1	20.3	0.85	1250	1.11	0.04
W588726		24.8	12.4	2.83	15.70	0.06	1.3	0.069	3.22	20.2	64.0	0.61	605	0.90	0.38
W588727		24.8	11.1	2.59	17.00	0.11	4.1	0.049	3.35	37.0	433	0.91	568	0.98	0.09
W588728		25.7	11.2	2.69	18.00	0.11	4.2	0.045	3.37	37.8	413	0.94	566	1.01	0.10
W588729		24.6	10.1	2.94	15.60	0.07	1.2	0.057	3.26	19.8	81.4	0.64	689	1.31	0.16
W588730		15.50	31.5	4.10	16.55	0.07	1.0	0.248	3.28	21.2	20.0	0.71	1900	2.97	0.03
W588731		17.85	185.0	4.78	16.60	0.09	1.3	1.250	3.08	24.6	27.1	0.71	1190	11.65	0.03
W588732		0.16	2.6	0.47	0.23	0.13	<0.1	0.005	0.03	0.5	2.3	13.15	205	0.22	<0.01
W588733		25.9	27.2	3.18	16.70	0.10	1.1	0.087	3.18	26.4	40.9	1.04	1530	1.76	0.03
W588734		11.20	212	5.97	13.30	0.07	1.1	5.97	2.42	17.1	26.4	0.61	1080	61.5	0.03
W588735		24.5	250	2.96	19.00	0.09	3.4	1.590	2.90	28.6	88.9	1.07	737	9.89	0.03
W588736		13.15	290	6.50	16.00	0.07	1.0	0.787	2.95	21.2	20.1	0.74	1790	8.85	0.13
W588737		8.45	150.5	6.58	11.90	0.07	0.7	0.707	2.24	15.1	16.6	1.45	1400	2.17	0.02
W588738		15.05	55.7	4.41	13.80	0.06	0.8	0.345	2.60	20.2	22.6	1.50	1630	11.30	0.02
W588739		8.30	44.4	6.64	13.80	0.07	0.8	0.352	2.93	18.0	12.0	0.63	1260	1.22	0.03
W588740		30.8	12.1	2.85	18.15	0.09	1.1	0.058	3.16	26.2	76.2	0.95	1090	1.65	0.05
W588741		27.7	11.0	2.82	19.70	0.10	4.0	0.037	2.50	34.5	420	1.04	641	0.89	0.04
W588742		33.1	25.3	2.15	19.00	0.09	1.7	0.048	3.13	24.6	81.8	0.83	1190	7.04	0.05
W588743		20.7	97.3	4.55	15.15	0.08	0.8	0.131	2.92	24.4	17.5	0.93	2250	2.43	0.03
W588744		0.16	2.5	0.50	0.21	0.08	<0.1	0.005	0.02	0.5	1.3	13.80	217	0.13	0.01
W588745		33.5	9.9	2.81	15.95	0.09	1.0	0.041	2.87	28.1	99.7	1.02	927	2.38	0.05
W588746		27.9	11.5	2.85	16.25	0.09	1.1	0.059	2.82	27.5	102.5	0.95	937	3.08	0.03
W588747		18.35	2.8	2.64	17.55	0.09	1.0	0.020	3.72	25.4	17.8	0.85	1370	2.47	0.03
W588748		24.6	28.5	3.27	16.30	0.06	1.0	0.109	3.20	23.2	17.3	0.81	1970	2.98	0.03
W588749		22.2	26.0	3.36	15.35	0.07	1.0	0.109	3.06	23.8	16.4	0.80	2000	2.29	0.02
W588750		21.6	33.3	3.72	16.90	0.06	1.0	0.098	3.19	21.7	23.4	0.53	1150	4.15	0.03
W588751		20.6	15.0	2.76	16.30	0.07	1.0	0.071	3.28	21.1	14.4	0.76	1980	6.80	0.02
W588752		10.65	317	6.53	12.65	0.06	0.7	0.184	2.74	18.2	17.0	0.44	1050	2.76	0.02
W588753		30.9	17.5	2.84	17.35	0.07	1.2	0.042	3.14	18.0	26.8	0.84	1040	4.44	0.04
W588754		23.1	89.4	3.30	20.6	0.08	2.6	2.17	3.44	16.9	16.6	0.78	711	2.74	0.04



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 12-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162612

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
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
															0.005
W588719		2.4	630	153.5	142.0	<0.002	0.98	7.90	10.3	1	2.3	161.0	0.69	0.15	12.40
W588720		2.4	510	2210	178.0	<0.002	6.45	27.3	8.8	<1	7.1	40.6	0.50	0.37	8.96
W588721		2.4	610	232	156.5	<0.002	0.97	9.11	10.1	1	2.4	173.0	0.61	0.22	11.80
W588722		13.5	450	1650	141.5	0.004	8.03	100.0	7.4	1	10.5	63.1	0.38	0.90	8.43
W588723		2.7	570	623	155.0	<0.002	2.11	16.50	9.1	1	3.6	142.5	0.58	0.17	11.35
W588724		2.3	550	2420	130.0	0.003	2.47	23.4	9.4	1	4.4	130.0	0.64	0.22	12.90
W588725		2.1	580	44.0	100.0	0.002	0.36	9.53	9.5	1	1.7	164.5	0.68	<0.05	12.35
W588726		2.3	590	22.3	124.0	<0.002	0.36	6.54	9.8	1	2.0	204	0.74	0.07	12.80
W588727		7.3	1300	16.8	122.0	<0.002	0.11	6.97	6.1	1	1.4	709	0.64	<0.05	8.36
W588728		7.5	1320	15.8	100.0	<0.002	0.12	7.06	6.3	1	1.5	722	0.68	<0.05	8.68
W588729		2.4	590	16.4	124.0	<0.002	0.43	9.48	10.1	1	1.9	172.5	0.66	0.09	12.35
W588730		4.3	520	1050	175.0	<0.002	3.22	10.85	10.6	1	2.6	89.4	0.56	0.34	11.10
W588731		4.2	520	3060	182.5	<0.002	3.98	33.8	10.6	1	4.2	74.7	0.54	0.59	10.35
W588732		2.1	190	5.3	1.4	<0.002	<0.01	0.11	0.2	<1	<0.2	49.0	<0.05	<0.05	0.09
W588733		2.8	580	55.0	188.5	<0.002	0.33	14.40	11.6	1	1.7	129.5	0.60	0.07	12.05
W588734		3.4	440	4210	140.0	<0.002	5.30	125.0	8.8	1	5.0	71.3	0.43	0.21	8.63
W588735		5.4	730	6470	120.0	<0.002	0.85	81.1	8.8	<1	1.9	424	0.73	0.14	9.30
W588736		14.3	530	1290	156.5	0.002	4.73	62.4	9.9	2	7.3	97.9	0.52	1.34	9.68
W588737		2.3	360	>10000	129.0	<0.002	6.31	116.0	6.9	1	5.8	118.5	0.36	0.16	7.08
W588738		2.0	400	1980	148.5	<0.002	3.68	51.6	8.0	<1	5.6	134.5	0.47	0.11	9.47
W588739		2.4	440	1540	163.0	<0.002	6.72	20.5	8.1	<1	5.3	80.0	0.50	0.92	9.15
W588740		2.9	690	54.7	134.0	<0.002	0.62	11.05	12.8	1	2.0	199.5	0.67	0.12	12.80
W588741		9.2	1400	16.3	87.2	<0.002	0.06	17.50	7.4	<1	1.4	851	0.68	<0.05	8.10
W588742		4.9	760	46.6	134.5	<0.002	0.76	12.80	11.2	<1	1.6	228	0.67	0.08	11.25
W588743		2.7	500	3600	152.5	<0.002	2.21	54.4	9.8	1	2.9	186.5	0.55	<0.05	11.75
W588744		1.8	190	5.8	1.0	<0.002	0.01	0.14	0.2	1	<0.2	50.9	<0.05	<0.05	0.07
W588745		2.5	590	26.0	114.0	<0.002	0.31	9.19	10.6	1	1.6	189.0	0.62	0.05	12.90
W588746		6.4	650	44.5	123.0	<0.002	1.35	12.30	10.8	1	1.5	217	0.56	0.67	11.95
W588747		3.0	650	33.1	161.0	<0.002	1.92	5.46	10.8	1	1.8	133.5	0.57	0.57	11.20
W588748		2.5	560	767	147.0	<0.002	2.32	22.9	10.2	1	3.8	126.5	0.63	0.15	11.95
W588749		2.6	530	1010	146.0	<0.002	2.46	24.5	9.8	1	3.6	121.0	0.62	0.13	11.55
W588750		3.4	500	2950	170.5	<0.002	2.36	46.2	9.7	1	7.2	122.5	0.60	0.13	10.95
W588751		3.3	560	256	150.0	<0.002	1.30	23.4	10.7	<1	1.9	157.5	0.64	0.11	11.15
W588752		2.3	410	2930	152.0	<0.002	5.69	192.5	7.6	1	6.1	58.8	0.46	0.14	8.78
W588753		3.1	620	35.0	119.5	<0.002	0.49	13.55	12.0	<1	1.9	202	0.66	0.10	10.65
W588754		13.0	720	2080	117.0	<0.002	1.56	26.0	9.7	<1	4.2	236	0.71	0.26	8.68
															0.290



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 12-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162612

Sample Description	Method Analyte Units LOR	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
W588719		3.44	4.6	72	5.9	14.1	243	34.9	0.023
W588720		2.88	2.5	63	4.4	8.5	9040	27.8	0.665
W588721		3.38	4.4	72	3.9	14.5	894	31.1	0.038
W588722		2.20	5.1	56	6.8	9.0	3300	23.0	1.785
W588723		2.73	4.9	64	4.8	13.0	944	34.2	0.131
W588724		2.83	4.5	65	4.8	13.2	6910	36.5	0.807
W588725		2.88	5.3	66	4.2	16.3	123	33.8	0.010
W588726		2.01	4.7	67	2.2	16.3	59	37.1	<0.005
W588727		2.32	3.2	62	1.4	11.8	71	181.5	<0.005
W588728		2.29	3.2	66	1.4	12.9	72	187.0	<0.005
W588729		1.86	4.1	70	2.8	15.0	52	37.5	<0.005
W588730		3.17	4.2	59	4.9	12.5	2160	31.8	0.569
W588731		2.89	4.0	61	6.0	11.1	4450	50.1	1.320
W588732		0.02	0.6	3	0.1	0.8	22	<0.5	<0.005
W588733		3.49	5.7	63	5.8	16.0	84	31.6	0.007
W588734		2.41	3.5	51	5.3	9.2	>10000	33.8	9.91
W588735		2.96	5.8	68	9.6	14.8	3040	131.0	5.69
W588736		2.56	4.9	62	5.5	10.7	2340	30.0	0.899
W588737		2.15	2.0	41	5.4	6.6	>10000	19.8	5.89
W588738		2.71	2.7	49	6.2	7.8	7750	23.1	2.13
W588739		2.55	3.3	52	5.3	8.5	4790	22.0	1.540
W588740		2.90	5.0	80	6.2	16.8	101	35.5	0.011
W588741		1.63	3.1	67	1.2	11.3	91	181.0	<0.005
W588742		3.34	4.2	71	5.5	11.6	149	66.9	0.030
W588743		3.10	4.1	58	7.4	12.1	3070	23.4	1.490
W588744		<0.02	0.7	3	0.1	0.8	23	<0.5	<0.005
W588745		2.02	3.8	67	3.7	16.8	68	29.0	0.006
W588746		2.25	4.2	75	6.0	14.1	90	33.4	0.022
W588747		3.22	5.0	71	2.6	11.2	71	29.7	0.032
W588748		3.05	4.7	64	4.9	13.2	1060	30.1	0.494
W588749		2.81	4.2	62	4.9	12.3	1040	29.4	0.661
W588750		2.96	4.2	63	5.4	9.9	885	27.3	0.958
W588751		3.25	4.8	68	5.2	11.8	499	30.9	0.104
W588752		2.69	6.0	49	3.6	9.2	9070	19.3	8.39
W588753		2.84	4.5	72	3.9	15.5	63	33.9	0.021
W588754		2.63	4.9	68	5.8	12.2	3440	102.0	1.315



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 12-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17162612

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As-OG62	Au-AA24	ME-MS61	ME-OG62
Pb-OG62	Zn-OG62		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE WH17162618

Project: Klaza

P.O. No.: 17-095

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162618

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588415		6.29	0.32	7.38	31.3	1570	1.45	0.31	2.17	0.14	44.9	8.4	11	21.6	9.8	2.80
W588416		4.03	4.20	7.40	216	150	1.58	7.56	2.13	1.96	41.2	10.1	11	15.00	33.1	5.79
W588417		7.48	2.86	7.47	115.0	400	1.43	2.98	1.94	2.72	50.9	7.4	12	20.1	43.5	3.98
W588418		5.99	3.48	7.37	76.8	1130	1.42	2.34	1.55	1.17	52.1	5.3	12	18.65	78.9	3.21
W588419		5.05	0.22	7.42	17.0	760	1.62	0.26	2.25	0.29	43.7	6.6	10	20.9	2.4	2.87
W588420		5.82	3.57	6.87	234	240	1.41	5.23	2.99	2.01	40.8	10.8	9	16.45	30.0	4.81
W588421		<0.02	3.61	7.01	242	290	1.34	5.18	2.96	1.79	41.2	10.6	11	16.65	30.1	4.88
W588422		9.32	0.83	6.70	691	1140	1.22	0.40	3.26	3.30	42.4	6.4	8	15.45	5.0	3.42
W588423		9.01	0.42	6.80	93.7	1820	1.26	0.27	4.31	1.29	43.6	4.4	8	7.86	1.6	3.17
W588424		12.42	0.22	7.48	14.7	2440	1.55	0.35	2.77	0.21	52.7	8.2	12	14.50	1.3	3.80
W588425		6.78	0.60	7.28	406	1620	1.60	0.45	2.73	1.32	50.9	7.5	10	15.20	3.2	4.36
W588426		7.50	1.30	6.57	281	220	1.43	1.21	2.34	2.61	43.2	10.5	7	19.60	5.3	4.71
W588427		6.14	0.01	0.07	0.5	20	<0.05	0.05	21.5	0.07	1.29	0.6	1	0.19	1.3	0.50
W588428		6.88	0.68	7.60	19.1	2340	0.96	0.82	1.65	0.80	65.4	5.4	10	13.35	7.5	4.18
W588429		7.81	0.62	6.65	20.1	2820	1.13	1.16	2.69	1.96	46.7	12.0	9	15.05	8.3	3.53
W588430		9.60	1.20	7.16	41.7	2080	1.14	1.56	2.25	1.82	49.2	9.5	10	15.75	23.2	3.73
W588431		3.78	0.50	7.20	45.5	1450	1.21	0.92	1.95	0.27	46.4	29.5	8	15.65	20.3	4.35
W588432		1.41	0.55	7.05	54.6	1400	1.23	1.03	2.11	0.58	46.2	47.4	7	18.80	75.1	4.45
W588433		8.37	4.03	7.26	51.0	2560	1.36	1.20	2.93	0.83	50.9	18.2	8	19.15	14.2	3.79
W588434		5.70	0.46	7.54	19.3	1990	1.39	0.22	2.82	0.32	49.9	7.0	10	18.45	11.6	3.23
W588435		10.03	0.20	7.73	10.6	2110	1.26	0.24	3.07	0.12	50.9	6.5	11	23.9	40.0	3.18
W588436		0.26	11.95	6.78	1640	110	1.21	13.05	1.93	33.4	47.0	16.8	19	14.55	296	6.86
W588437		12.13	0.30	8.10	15.1	2170	1.31	0.33	2.26	0.16	52.8	6.1	10	20.6	80.2	3.41
W588438		10.44	0.16	7.61	15.7	1270	1.04	0.26	2.90	0.15	50.2	6.1	9	15.05	17.0	3.10
W588439		5.43	0.80	6.64	61.8	1410	1.31	0.57	3.97	0.19	41.4	5.2	8	20.0	10.3	3.03
W588440		8.04	0.31	7.76	25.5	1680	1.37	0.21	2.82	0.13	53.8	4.2	9	18.80	26.1	3.26
W588441		5.31	6.15	5.34	115.0	370	1.00	0.98	3.66	15.75	41.9	8.9	7	13.45	157.0	2.95
W588442		6.08	0.01	0.06	<0.2	40	<0.05	0.03	20.1	0.07	1.25	1.8	1	0.15	5.7	0.48
W588443		6.45	0.33	6.38	25.1	1740	1.22	0.27	2.37	0.74	44.7	7.4	7	13.35	6.1	2.56
W588444		4.32	2.20	5.06	393	310	0.95	1.48	2.18	1.36	35.4	33.5	6	9.47	17.5	3.27
W588445		0.26	40.4	5.70	2470	80	1.23	31.8	1.63	46.2	38.3	16.2	23	9.64	1175	9.07
W588446		11.40	0.15	7.14	15.5	1610	1.25	0.16	2.49	0.10	45.5	6.0	9	17.55	14.4	3.42
W588447		12.60	0.18	7.05	19.7	1410	1.58	0.12	2.70	0.09	52.5	5.8	8	19.20	7.8	3.26
W588448		4.43	0.61	7.06	91.3	1650	1.37	0.47	2.21	0.55	47.5	16.6	9	9.82	7.8	4.49
W588449		9.71	0.26	7.55	14.6	2450	1.79	0.16	1.97	0.18	48.3	8.3	7	18.15	17.6	3.18
W588450		3.43	0.25	7.48	16.0	1290	1.79	0.08	1.63	0.23	47.9	6.2	8	30.1	6.7	2.53



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17162618

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588415		16.70	0.11	1.4	0.054	2.77	23.1	30.9	0.76	679	3.20	0.06	8.5	2.6	600
W588416		16.70	0.10	1.0	0.273	3.24	21.5	15.6	0.88	1680	2.01	0.04	7.8	3.0	600
W588417		17.20	0.10	1.3	0.217	2.95	28.1	28.1	0.72	1520	5.13	0.05	8.2	2.7	620
W588418		14.95	0.12	1.0	0.108	3.23	30.5	14.2	0.67	1140	1.18	0.06	8.6	3.3	400
W588419		16.35	0.11	0.7	0.075	3.15	24.7	16.4	0.84	834	2.35	0.05	8.5	2.5	440
W588420		15.75	0.10	0.8	0.158	2.97	21.8	12.7	1.19	1880	6.18	0.04	7.4	4.0	540
W588421		15.80	0.10	0.8	0.150	3.05	21.7	11.9	1.18	1910	7.29	0.04	7.4	3.9	540
W588422		13.80	0.09	1.2	0.096	3.03	24.1	14.6	1.28	3860	3.66	0.04	6.4	3.1	420
W588423		12.75	0.10	1.3	0.116	3.37	24.8	8.5	1.48	3380	2.37	0.03	6.9	2.5	430
W588424		15.85	0.11	1.1	0.106	3.45	28.9	14.1	1.14	1180	4.62	0.04	7.7	2.8	600
W588425		15.30	0.09	1.0	0.235	3.40	28.9	10.7	1.18	4030	2.96	0.04	7.1	2.5	570
W588426		14.45	0.09	0.8	0.175	2.90	22.5	18.0	0.90	3190	18.10	0.03	6.5	3.8	530
W588427		0.22	0.14	<0.1	0.010	0.03	0.6	0.6	13.55	219	0.13	0.01	0.2	1.3	190
W588428		15.40	0.11	1.0	0.170	2.94	36.7	24.3	0.75	1200	3.09	0.07	7.8	2.1	650
W588429		13.70	0.10	0.9	0.112	2.96	26.5	12.2	1.10	1280	6.38	0.04	6.2	2.5	500
W588430		15.25	0.09	1.1	0.172	3.12	27.5	11.3	0.98	1120	5.25	0.04	7.1	2.2	560
W588431		15.85	0.09	1.2	0.239	3.03	25.8	19.5	0.98	1290	1.52	0.04	7.0	2.5	560
W588432		15.40	0.09	1.2	0.241	2.91	26.1	20.0	0.97	1290	1.48	0.04	6.8	2.8	550
W588433		15.75	0.11	1.2	0.122	2.75	28.7	20.9	1.16	1010	3.46	0.05	7.6	2.7	550
W588434		15.55	0.12	1.2	0.065	2.97	27.5	17.3	0.85	647	1.60	1.23	8.0	2.3	600
W588435		16.35	0.12	1.1	0.053	2.92	27.7	25.4	0.80	593	1.39	1.27	8.0	2.4	640
W588436		15.25	0.09	1.2	0.846	3.05	24.7	16.5	0.79	1890	9.79	0.13	6.8	11.7	530
W588437		17.75	0.11	1.0	0.082	2.86	27.5	36.8	0.78	595	3.12	0.42	8.8	2.8	710
W588438		15.30	0.10	1.0	0.057	1.25	27.9	79.7	0.98	726	2.67	0.03	7.8	2.3	670
W588439		13.95	0.12	1.0	0.078	2.71	22.9	24.5	1.45	1240	5.74	0.04	6.6	2.5	560
W588440		16.60	0.10	1.4	0.064	2.62	29.3	49.2	0.97	745	1.03	0.07	7.9	2.3	650
W588441		11.65	0.10	1.3	0.222	2.31	23.4	22.9	1.29	1720	2.00	0.03	5.4	2.3	450
W588442		0.24	<0.05	<0.1	<0.005	0.02	0.6	1.3	12.60	207	0.34	<0.01	0.1	1.3	360
W588443		15.60	0.07	1.2	0.082	2.80	23.6	22.4	0.90	1000	2.64	0.03	6.1	1.9	530
W588444		11.75	0.08	0.8	0.061	1.96	18.3	26.6	0.76	1700	35.0	0.03	4.3	3.1	360
W588445		14.35	0.18	0.8	1.570	2.61	18.8	14.9	0.67	2300	17.60	0.06	4.8	14.4	440
W588446		16.40	0.12	1.1	0.072	2.38	23.2	47.8	0.84	719	1.71	0.36	7.7	2.4	630
W588447		15.65	0.06	1.3	0.053	2.62	29.8	31.5	0.96	777	2.56	0.05	7.4	2.1	560
W588448		16.65	0.11	0.9	0.103	3.26	27.4	21.7	0.92	2400	1.50	0.04	6.5	2.3	580
W588449		17.05	0.07	1.5	0.044	2.82	25.2	26.1	0.45	514	1.31	0.85	8.1	2.2	600
W588450		16.95	0.09	1.3	0.045	2.90	24.9	117.0	0.48	717	1.04	0.09	8.1	2.1	600



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162618

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W588415		107.5	<0.002	0.32	7.08	10.9	1	1.8	173.0	0.64	<0.05	13.50	0.267	2.12	5.3	74
W588416		161.0	<0.002	4.03	10.30	10.6	1	2.9	117.5	0.58	0.29	11.45	0.260	2.89	4.9	71
W588417		129.0	0.002	2.62	9.94	10.4	1	3.3	125.5	0.60	0.20	13.55	0.264	2.65	4.7	71
W588418		165.5	<0.002	1.60	20.7	8.4	1	2.1	156.0	0.71	0.20	16.95	0.224	2.95	5.2	65
W588419		147.5	0.003	0.27	4.65	8.2	1	1.3	177.0	0.61	<0.05	13.00	0.248	2.89	2.2	70
W588420		154.0	0.004	2.73	9.24	10.4	1	4.1	307	0.49	0.34	9.14	0.255	2.66	9.4	77
W588421		155.5	0.003	2.79	9.59	10.0	1	4.2	306	0.49	0.43	8.71	0.257	2.69	9.1	77
W588422		165.0	<0.002	0.77	12.00	7.5	1	1.4	203	0.60	<0.05	13.30	0.183	2.50	5.6	53
W588423		185.0	<0.002	0.74	5.26	6.8	1	1.5	96.6	0.62	0.06	16.75	0.190	2.67	3.7	49
W588424		166.5	<0.002	0.30	4.52	10.2	1	1.8	130.0	0.62	<0.05	14.60	0.251	2.65	4.1	74
W588425		177.5	<0.002	0.67	7.61	9.3	1	2.0	126.0	0.57	<0.05	14.55	0.241	2.62	4.8	72
W588426		152.0	0.007	2.52	20.9	8.9	1	2.3	132.5	0.46	0.07	9.90	0.229	2.46	6.7	67
W588427		1.4	<0.002	<0.01	0.07	0.1	1	<0.2	48.8	<0.05	<0.05	0.11	<0.005	0.02	0.5	2
W588428		124.5	<0.002	0.26	13.95	9.3	1	2.4	164.5	0.58	<0.05	15.35	0.281	1.81	2.9	76
W588429		164.0	0.013	0.58	14.10	7.7	1	1.6	117.5	0.50	0.08	12.05	0.213	2.29	4.3	69
W588430		163.0	0.004	0.73	8.81	9.2	1	2.1	128.0	0.56	<0.05	13.45	0.245	2.32	3.5	71
W588431		175.0	<0.002	0.73	8.04	9.3	1	4.9	117.5	0.60	0.06	14.70	0.232	2.28	2.6	70
W588432		169.0	<0.002	1.14	8.12	9.4	1	12.2	126.0	0.59	0.11	14.50	0.224	2.15	2.7	69
W588433		146.0	<0.002	0.73	12.40	9.7	1	3.8	197.5	0.63	0.05	14.85	0.246	1.98	4.8	71
W588434		127.0	<0.002	0.20	4.57	10.0	1	1.9	317	0.64	<0.05	14.65	0.265	1.50	4.8	74
W588435		122.0	<0.002	0.07	7.79	10.6	1	1.9	324	0.59	<0.05	14.80	0.282	1.36	4.1	77
W588436		167.0	<0.002	4.87	69.4	8.6	2	8.5	97.8	0.51	1.11	12.00	0.218	2.69	5.5	63
W588437		122.5	0.004	0.10	19.95	12.1	1	2.0	187.0	0.61	<0.05	14.05	0.313	1.58	2.6	86
W588438		73.0	<0.002	0.15	20.8	11.0	1	1.7	222	0.56	<0.05	12.50	0.288	1.04	2.3	76
W588439		158.0	0.003	0.65	16.35	9.4	1	2.3	164.5	0.45	<0.05	10.30	0.251	2.62	3.2	71
W588440		116.0	<0.002	0.22	11.70	10.8	1	1.7	177.5	0.63	<0.05	15.40	0.282	1.68	4.2	80
W588441		135.5	<0.002	1.12	42.9	7.1	1	1.5	138.5	0.48	<0.05	11.70	0.179	1.71	4.6	53
W588442		1.0	<0.002	<0.01	0.07	0.2	1	<0.2	51.4	<0.05	<0.05	0.08	<0.005	<0.02	0.7	2
W588443		156.5	0.002	0.27	9.51	9.7	1	1.7	154.0	0.46	<0.05	9.59	0.220	2.13	2.7	69
W588444		114.5	0.005	1.82	29.8	7.4	1	1.3	103.0	0.34	0.11	7.02	0.155	1.52	7.2	57
W588445		142.0	<0.002	7.80	111.5	8.3	2	11.2	64.5	0.37	0.78	8.33	0.168	2.24	5.0	55
W588446		94.8	<0.002	0.11	8.44	12.2	1	1.8	210	0.59	<0.05	10.10	0.282	1.52	3.3	81
W588447		120.5	<0.002	0.18	6.24	10.7	1	1.4	176.0	0.65	<0.05	13.60	0.245	1.90	3.5	70
W588448		168.0	<0.002	0.80	3.99	10.2	1	2.1	86.0	0.48	<0.05	10.10	0.240	2.35	3.0	69
W588449		111.5	<0.002	0.08	7.84	11.0	2	2.4	176.5	0.62	<0.05	12.25	0.259	1.34	3.5	69
W588450		110.0	<0.002	0.15	18.15	11.0	1	1.5	111.5	0.59	<0.05	11.30	0.268	1.95	3.3	73



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17162618

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588415		5.1	14.4	49	36.8	0.010
W588416		5.6	13.0	229	24.1	0.120
W588417		7.2	12.2	281	32.5	0.053
W588418		4.5	11.3	150	24.2	0.072
W588419		3.2	11.7	76	18.4	0.007
W588420		6.1	12.4	203	22.0	0.166
W588421		6.2	12.4	182	21.5	0.165
W588422		4.2	10.8	263	34.8	0.158
W588423		3.7	11.8	117	36.2	0.062
W588424		4.3	13.2	66	26.3	<0.005
W588425		4.3	11.3	152	24.5	0.096
W588426		5.6	11.7	271	20.7	1.320
W588427		0.1	0.8	17	<0.5	<0.005
W588428		4.8	14.6	142	25.4	0.009
W588429		3.4	13.9	212	23.5	0.009
W588430		5.0	12.7	215	30.0	0.028
W588431		4.5	12.3	100	31.9	0.011
W588432		4.3	12.5	141	31.4	0.065
W588433		4.0	16.3	113	33.3	0.027
W588434		2.4	16.9	63	30.9	0.012
W588435		2.1	17.6	46	28.7	<0.005
W588436		7.1	12.1	2530	31.5	0.877
W588437		5.6	18.1	52	25.2	0.008
W588438		10.9	17.0	55	24.4	0.006
W588439		4.7	12.9	60	27.0	0.045
W588440		2.9	17.2	56	39.8	0.011
W588441		3.0	11.0	1680	35.0	0.238
W588442		0.1	0.8	19	<0.5	0.006
W588443		4.3	12.3	83	35.3	0.014
W588444		3.0	9.7	137	22.8	0.181
W588445		7.1	9.0	3360	23.7	1.865
W588446		2.7	14.5	57	26.5	0.010
W588447		2.2	13.6	55	30.7	0.005
W588448		5.2	12.8	106	23.0	0.009
W588449		2.7	15.6	50	40.4	<0.005
W588450		2.7	14.4	51	35.8	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162618

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 12-SEP-2017
Account: ROCKHA

CERTIFICATE WH17162633

Project: Klaza

P.O. No.: 17-096

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 12-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162633

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588755		8.48	0.16	6.73	32.0	2900	1.72	0.20	2.41	0.13	47.7	5.6	25	32.3	9.9	2.03
W588756		4.14	0.17	7.06	31.4	1180	2.16	0.23	2.72	0.31	51.1	5.6	28	39.6	12.2	2.23
W588757		1.03	16.55	7.97	3360	2280	2.23	0.83	1.24	19.00	59.0	12.0	33	32.3	63.8	2.94
W588758		4.85	0.41	6.33	79.3	470	1.86	0.22	2.50	0.74	48.9	6.6	31	31.7	18.1	2.00
W588759		1.41	19.65	6.88	1250	880	1.61	2.26	1.28	39.2	38.2	4.8	10	18.60	52.3	2.78
W588760		2.37	2.06	7.20	189.0	970	1.99	0.87	2.29	4.59	49.7	7.4	9	22.5	12.0	3.29
W588761		5.28	0.32	6.87	33.9	1030	1.76	0.94	2.48	0.28	55.9	6.7	9	22.3	11.6	2.34
W588762		4.65	9.20	6.84	1900	330	1.48	2.04	2.13	37.3	47.8	6.7	10	12.75	41.1	4.92
W588763		<0.02	7.07	6.36	1440	400	1.47	1.43	2.07	31.0	42.0	6.7	9	12.35	34.0	4.57
W588764		3.63	5.34	6.86	113.5	290	1.77	4.25	2.51	1.31	36.3	7.9	11	16.40	7.6	4.40
W588765		5.74	0.15	7.14	10.6	2390	1.88	1.05	2.77	0.14	42.2	7.6	10	25.5	12.5	3.11
W588766		9.11	2.00	7.83	178.0	1790	1.54	0.47	0.50	8.10	51.4	6.8	10	20.9	55.7	3.62
W588767		0.26	13.85	6.67	1730	140	1.45	12.65	1.91	32.4	45.6	18.5	20	14.10	302	6.75
W588768		5.94	1.09	7.86	185.0	2040	1.75	0.37	0.71	3.97	41.0	8.5	11	21.8	19.3	4.43
W588769		12.42	1.00	7.44	68.2	2030	1.58	1.12	2.34	2.22	47.5	12.5	12	11.55	23.4	4.00
W588770		14.51	0.54	7.56	60.3	2070	1.66	0.79	2.37	2.40	45.7	10.2	13	11.75	25.2	3.47
W588771		2.10	0.53	7.22	127.5	1350	1.55	0.30	1.41	1.55	36.7	6.8	12	17.40	10.2	3.17
W588772		6.04	0.01	0.06	0.8	120	<0.05	0.20	21.8	0.07	1.12	0.8	1	0.14	1.2	0.50
W588773		6.54	13.70	7.33	2300	1110	1.20	0.37	0.62	23.4	59.0	4.6	9	13.50	71.7	5.03
W588774		2.49	0.10	7.22	9.8	2090	1.40	0.21	2.75	0.19	44.3	7.0	11	8.68	4.6	3.09
W588775		1.59	0.07	7.28	7.7	2070	1.45	0.24	2.63	0.16	49.0	9.9	11	8.46	3.6	3.05
W588776		5.77	0.24	7.62	54.4	1710	1.54	0.76	2.37	0.79	51.5	8.1	10	9.28	24.3	3.35
W588777		1.80	0.24	6.10	32.7	850	0.90	3.85	5.25	2.74	44.7	33.2	8	11.60	13.5	2.97
W588778		4.26	0.08	7.30	12.9	2060	1.68	0.49	2.64	0.53	49.3	8.2	13	7.31	7.2	3.22
W588779		1.85	23.5	5.46	28.0	770	1.25	1.34	5.95	17.95	42.1	10.2	6	16.05	21.6	4.21
W588780		5.27	0.14	7.34	9.0	2260	1.64	0.15	2.84	0.09	46.8	8.8	12	12.90	30.4	3.20
W588781		0.26	42.0	5.67	2710	80	1.01	36.6	1.64	44.2	35.0	15.9	21	10.60	1215	9.24
W588782		10.93	0.48	6.51	16.1	3220	1.57	0.78	4.25	0.19	45.1	9.0	8	18.95	11.6	2.29
W588783		3.68	0.14	6.50	17.4	2270	1.47	0.60	4.10	0.14	44.2	10.5	9	31.2	5.7	2.79
W588784		4.64	1.08	7.31	22.5	1720	1.73	10.95	2.38	0.15	35.5	9.0	85	11.20	2.2	6.87
W588785		11.82	3.12	7.32	68.9	1190	1.70	5.05	2.00	0.32	31.6	27.8	70	19.95	119.0	6.71
W588786		9.78	0.96	5.21	202	70	1.47	4.91	4.91	1.13	55.6	67.7	51	26.6	22.6	8.54
W588787		6.04	0.01	0.06	5.2	20	<0.05	0.07	22.1	0.05	1.19	0.7	1	0.22	1.7	0.50
W588788		5.69	0.31	6.96	29.4	8270	1.19	0.49	2.74	1.60	46.4	5.8	11	18.40	16.0	3.03
W588789		2.19	0.26	7.26	27.8	2370	1.22	0.16	3.01	0.14	55.7	6.1	10	31.3	3.7	2.97
W588790		3.49	0.25	8.22	56.7	1210	1.96	0.46	4.26	0.19	54.9	11.6	93	39.3	3.1	4.72



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 12-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162633

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
W588755		18.85	0.08	3.0	0.026	2.73	23.9	74.7	0.77	475	1.01	0.06	8.8	15.7	730	20.9
W588756		20.2	0.09	3.4	0.028	2.70	25.3	301	0.93	557	0.60	0.05	9.5	18.6	740	20.8
W588757		22.1	0.08	4.3	0.400	3.16	30.6	26.4	0.64	444	8.91	0.04	10.2	36.7	730	1350
W588758		18.70	0.08	3.8	0.030	2.55	24.9	33.1	0.83	556	3.40	0.06	8.6	23.1	580	39.7
W588759		16.60	0.07	1.3	0.329	3.22	20.1	33.5	0.57	1070	29.4	0.03	7.1	4.9	530	6920
W588760		17.55	0.08	1.2	0.052	3.46	25.6	56.8	0.81	1420	2.33	0.03	8.1	2.7	570	496
W588761		16.50	0.09	1.5	0.044	3.43	30.1	84.9	0.70	711	9.72	0.14	8.5	2.5	460	33.1
W588762		15.90	0.06	1.2	0.136	3.34	25.9	14.2	0.76	2590	30.6	0.02	7.1	2.6	500	1460
W588763		15.25	0.07	1.2	0.107	3.36	20.6	13.7	0.71	2490	35.8	0.02	7.2	2.5	500	1270
W588764		17.00	0.06	1.1	0.107	3.57	17.3	40.6	0.82	1600	1.42	0.04	7.7	2.6	560	139.0
W588765		17.90	0.08	1.1	0.045	3.02	20.5	96.4	0.58	664	1.61	1.54	9.0	2.6	690	18.5
W588766		16.10	0.06	1.2	0.231	2.95	29.5	25.7	0.34	3670	2.25	0.93	7.7	3.2	640	102.5
W588767		15.20	0.08	1.0	0.842	3.08	24.4	20.2	0.79	1850	8.88	0.13	6.4	13.5	550	1350
W588768		16.95	0.06	1.2	0.344	3.85	19.7	26.7	0.25	4930	1.24	0.60	8.1	3.5	650	173.5
W588769		17.35	0.08	1.3	0.145	3.30	24.1	23.4	0.74	1770	0.62	1.31	8.3	3.6	640	155.5
W588770		16.80	0.09	1.3	0.086	3.45	23.9	18.5	0.79	1530	0.53	1.31	8.1	3.4	630	90.1
W588771		17.00	0.06	1.3	0.116	3.09	17.4	33.7	0.51	2610	0.65	0.07	8.2	3.3	620	136.0
W588772		0.18	0.07	<0.1	<0.005	0.03	0.5	2.5	13.35	215	0.17	0.01	0.2	1.8	190	1.7
W588773		14.05	0.07	1.0	0.350	3.26	33.7	13.1	0.45	3310	1.47	0.17	6.5	1.9	510	1550
W588774		14.55	0.06	1.2	0.059	2.68	22.5	9.7	0.86	709	0.49	2.34	7.7	2.8	630	24.1
W588775		15.10	0.07	1.3	0.058	2.66	25.2	10.4	0.80	664	0.48	2.37	7.7	3.0	620	23.1
W588776		15.40	0.07	1.2	0.077	2.43	27.1	12.2	0.92	937	1.14	1.77	7.6	3.3	640	29.5
W588777		12.95	0.06	0.7	0.238	1.62	25.6	13.9	0.72	675	0.88	1.90	5.2	3.6	460	18.6
W588778		16.10	0.07	1.4	0.049	2.80	25.2	12.1	0.85	756	1.51	2.40	8.1	3.3	630	19.4
W588779		10.75	0.05	0.9	0.105	2.29	23.1	45.4	1.99	3390	0.96	0.21	5.4	2.6	410	1460
W588780		15.85	0.08	1.4	0.075	2.81	23.8	17.3	0.80	639	1.30	2.22	8.6	3.0	660	17.9
W588781		12.50	0.05	0.8	1.615	2.76	17.8	14.2	0.67	2320	16.85	0.06	4.5	14.3	460	1680
W588782		12.35	0.07	0.8	0.111	2.99	25.8	17.7	0.99	1290	0.38	0.05	6.8	2.4	510	13.2
W588783		14.00	0.08	0.8	0.146	2.55	23.2	21.5	0.65	1100	0.31	0.70	7.4	3.3	570	11.0
W588784		17.25	0.07	1.9	0.324	3.41	18.7	136.0	1.49	2150	3.80	0.05	6.7	13.9	1070	11.5
W588785		17.75	0.06	1.4	0.191	2.82	17.1	216	1.29	1700	1.93	0.05	5.7	15.0	1010	14.2
W588786		14.20	0.07	1.1	0.149	1.66	29.4	90.7	1.64	1720	2.63	0.04	3.8	20.8	840	61.5
W588787		0.18	0.06	<0.1	0.005	0.02	0.6	3.1	13.65	212	0.15	0.01	0.1	1.6	190	1.4
W588788		13.20	0.06	1.1	0.073	2.54	22.9	55.5	0.90	834	0.49	0.05	7.5	3.6	610	24.3
W588789		13.70	0.07	0.9	0.058	2.86	30.2	17.7	1.15	755	0.42	0.05	7.3	3.3	570	13.7
W588790		15.80	0.07	2.7	0.114	3.56	27.9	8.8	1.47	1470	0.25	0.05	6.7	16.8	1400	13.1



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 12-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162633

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
W588755		89.7	<0.002	0.16	7.16	6.4	<1	1.5	355	0.69	<0.05	8.75	0.268	1.94	5.0
W588756		96.0	<0.002	0.07	10.45	6.9	1	1.6	561	0.75	<0.05	9.29	0.282	1.92	4.3
W588757		132.0	<0.002	1.26	32.5	7.4	1	2.9	424	0.81	0.21	11.35	0.292	2.51	9.9
W588758		84.1	<0.002	0.20	13.30	6.1	<1	1.8	380	0.67	<0.05	9.51	0.243	1.80	5.5
W588759		163.5	<0.002	2.08	63.3	9.8	<1	3.6	121.5	0.57	0.11	9.51	0.225	3.31	6.2
W588760		140.5	<0.002	1.88	14.00	11.5	<1	1.9	144.0	0.62	0.32	11.85	0.250	2.86	4.4
W588761		142.0	<0.002	0.49	8.82	9.6	1	1.6	200	0.82	0.15	17.45	0.210	2.33	6.0
W588762		202	0.003	4.32	24.5	9.5	1	3.8	55.0	0.64	0.91	12.85	0.210	2.96	4.9
W588763		174.5	0.003	3.94	20.3	9.4	1	3.7	52.9	0.62	0.52	11.80	0.213	2.92	5.0
W588764		166.0	<0.002	3.28	6.86	10.5	1	2.9	102.5	0.60	1.93	9.83	0.244	2.79	6.2
W588765		121.5	<0.002	0.14	3.50	13.1	1	1.9	308	0.72	0.87	11.55	0.283	1.56	3.5
W588766		144.0	<0.002	0.01	10.50	11.0	1	2.5	128.5	0.68	<0.05	13.85	0.275	2.12	3.2
W588767		165.5	<0.002	4.95	69.1	9.2	2	8.6	98.9	0.53	2.17	10.20	0.220	2.66	5.3
W588768		168.0	<0.002	0.04	9.40	12.6	1	4.4	136.0	0.72	<0.05	12.80	0.284	2.51	3.8
W588769		135.5	<0.002	0.46	5.44	12.4	1	2.2	247	0.74	0.05	11.00	0.283	1.98	3.3
W588770		151.0	<0.002	0.32	6.16	12.2	<1	1.8	257	0.71	<0.05	12.75	0.269	2.08	3.7
W588771		126.0	<0.002	0.29	15.55	12.0	1	1.9	82.9	0.73	<0.05	12.35	0.269	2.03	2.8
W588772		1.1	<0.002	0.03	0.07	0.1	<1	<0.2	48.1	<0.05	<0.05	0.09	<0.005	<0.02	0.5
W588773		192.0	<0.002	1.34	42.6	8.6	<1	3.9	98.2	0.56	<0.05	12.95	0.231	3.06	5.6
W588774		91.3	<0.002	0.03	2.75	9.8	1	1.9	382	0.69	<0.05	12.65	0.272	1.19	3.3
W588775		93.4	<0.002	0.05	2.68	10.1	1	1.9	382	0.69	<0.05	13.65	0.269	1.18	3.7
W588776		94.6	<0.002	0.02	4.17	10.3	1	1.8	266	0.63	0.10	13.35	0.272	1.18	2.1
W588777		88.9	<0.002	0.23	9.36	7.8	1	2.0	219	0.46	1.15	9.34	0.180	1.12	4.2
W588778		96.3	<0.002	0.01	2.17	11.2	1	1.7	358	0.73	0.05	13.40	0.278	1.15	3.0
W588779		106.5	<0.002	0.59	15.75	6.7	1	2.2	385	0.52	0.13	8.91	0.184	1.71	9.1
W588780		100.5	<0.002	0.04	2.93	11.2	<1	1.8	392	0.79	<0.05	13.05	0.285	1.19	4.8
W588781		138.5	0.002	8.15	112.0	6.9	1	11.8	61.5	0.39	0.81	8.48	0.168	2.27	5.5
W588782		142.0	<0.002	0.20	6.42	7.1	1	2.6	143.5	0.52	0.15	11.55	0.218	2.18	4.7
W588783		106.5	<0.002	0.17	3.86	9.4	1	2.1	194.0	0.54	0.09	10.70	0.245	1.66	14.2
W588784		207	<0.002	0.33	3.60	22.7	<1	3.0	87.4	0.42	6.58	6.40	0.394	2.44	4.1
W588785		173.0	<0.002	0.63	15.60	19.5	1	2.8	107.0	0.41	1.99	7.28	0.363	2.32	3.3
W588786		79.3	<0.002	3.92	22.1	15.4	1	3.3	206	0.28	0.89	4.61	0.281	2.08	5.5
W588787		1.1	<0.002	<0.01	0.10	0.2	<1	<0.2	50.1	<0.05	<0.05	0.07	<0.005	0.02	0.5
W588788		78.8	<0.002	0.55	12.55	8.7	1	3.0	241	0.60	<0.05	12.65	0.260	1.81	6.0
W588789		104.5	<0.002	0.29	10.10	8.2	<1	2.0	152.0	0.53	<0.05	13.50	0.256	2.34	4.5
W588790		144.0	<0.002	0.33	10.70	23.6	1	1.7	211	0.45	0.05	7.57	0.500	3.47	5.1



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 12-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17162633

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588755		2.1	10.7	53	114.5	<0.005
W588756		1.7	12.2	66	134.0	<0.005
W588757		2.4	13.0	1170	174.5	2.35
W588758		1.8	11.2	94	158.0	0.029
W588759		6.5	9.4	2860	42.8	0.465
W588760		3.4	13.5	381	34.5	0.048
W588761		4.3	15.4	50	42.3	0.007
W588762		4.9	12.2	3130	34.2	1.165
W588763		4.6	11.3	2640	34.0	0.885
W588764		3.0	13.4	144	30.9	0.155
W588765		6.3	17.3	52	32.7	<0.005
W588766		3.1	15.6	1000	32.4	0.011
W588767		6.0	11.7	2430	30.0	0.874
W588768		3.2	15.6	867	31.6	<0.005
W588769		2.1	17.1	278	31.5	0.011
W588770		1.9	17.0	342	32.9	<0.005
W588771		3.4	13.3	378	34.8	<0.005
W588772		0.1	0.8	17	<0.5	<0.005
W588773		5.0	10.1	1890	24.1	0.543
W588774		0.9	16.8	87	28.7	<0.005
W588775		1.0	16.6	86	30.5	<0.005
W588776		3.7	16.3	245	34.6	<0.005
W588777		5.0	15.9	72	17.7	0.005
W588778		1.6	18.0	96	35.2	<0.005
W588779		1.9	15.8	1530	22.1	0.036
W588780		1.1	18.4	52	36.2	<0.005
W588781		7.0	8.7	3310	21.4	1.680
W588782		1.7	16.4	50	18.5	0.006
W588783		1.8	17.5	59	19.1	<0.005
W588784		4.1	12.6	112	78.3	0.006
W588785		3.7	15.0	127	49.5	0.028
W588786		5.9	20.7	164	39.9	0.054
W588787		0.1	0.8	16	<0.5	<0.005
W588788		2.6	14.8	150	23.8	<0.005
W588789		2.6	14.5	57	21.3	0.005
W588790		4.9	21.0	83	97.4	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 12-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17162633

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
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CERTIFICATE WH17162634

Project: Klaza

P.O. No.: 17-097

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND 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 *****

Comments: Blended 1.66kg of sample W588813 was blended into W588812. Sample have been completely homogenized and processed under sample W588812.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162634

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588791		5.60	0.24	6.89	60.8	940	1.86	0.12	3.02	0.41	44.5	7.2	11	29.3	3.2	2.89
W588792		2.93	2.87	6.94	117.0	3150	1.99	3.22	3.13	1.70	64.7	9.0	12	27.7	36.8	3.65
W588793		5.22	2.54	7.09	464	1300	1.67	0.71	2.67	7.31	49.4	6.5	8	20.8	40.1	3.45
W588794		4.42	0.17	7.44	29.3	1330	1.86	0.09	2.40	0.16	46.4	7.0	10	23.9	3.6	2.92
W588795		3.94	1.34	6.80	118.0	1810	1.77	0.84	2.85	3.79	48.2	10.4	9	16.85	17.7	3.74
W588796		3.32	0.31	6.97	41.3	1290	1.83	0.20	2.47	0.15	48.6	7.1	9	27.1	5.6	2.79
W588797		0.26	38.0	5.86	2590	480	1.23	36.1	1.72	45.5	36.9	16.8	22	9.95	1210	9.37
W588798		2.60	5.72	7.00	1715	380	1.57	0.89	1.43	66.0	49.1	12.4	10	12.35	43.5	4.96
W588799		3.34	1.62	7.10	236	1430	1.81	0.61	2.39	5.16	49.0	9.3	10	23.7	27.0	3.30
W588800		<0.02	1.63	7.18	243	1470	1.82	0.61	2.41	5.40	50.1	9.0	9	23.7	26.3	3.38
W588801		3.25	0.28	7.69	18.0	860	1.61	0.23	2.80	0.46	72.6	5.1	15	11.40	7.8	2.64
W588802		7.03	0.22	7.07	18.7	1950	1.47	0.22	3.18	0.37	68.3	5.0	14	6.64	3.4	2.60
W588803		3.82	7.40	4.46	748	50	1.21	4.12	5.46	11.40	35.8	9.6	8	9.33	104.0	6.07
W588804		3.34	0.65	6.94	98.1	450	1.79	0.15	3.53	0.17	58.5	7.3	16	21.7	8.6	3.18
W588805		5.05	0.21	6.79	22.0	1900	2.04	0.18	4.23	0.12	57.4	6.2	17	21.3	10.0	2.70
W588806		0.26	11.25	6.63	1580	480	1.40	11.55	1.91	32.5	43.6	17.5	19	13.65	290	6.80
W588807		4.55	0.33	7.10	31.0	980	2.16	0.20	3.20	0.34	56.9	7.4	18	23.5	11.8	2.63
W588808		3.74	28.9	6.46	6070	80	1.25	3.63	0.53	123.5	39.0	9.4	12	6.10	389	7.31
W588809		1.24	2.98	8.03	382	1630	2.46	0.32	2.44	2.39	63.6	8.2	19	23.4	13.0	2.64
W588810		6.00	0.05	0.10	7.6	40	0.07	0.05	20.7	0.21	1.50	0.6	1	0.49	2.2	0.50
W588811		1.57	21.3	4.23	527	70	0.63	26.1	0.37	1.13	24.7	67.9	13	2.43	466	11.35
W588812		2.07	1.63	7.16	68.7	990	1.38	1.73	1.79	2.36	57.4	29.6	11	12.30	13.2	5.13
W588813	Destroyed															
W588814		3.37	1.55	7.96	23.9	2350	1.65	0.74	0.89	0.69	55.7	8.1	22	14.20	18.5	3.24
W588815		3.53	1.86	7.72	41.4	2180	1.48	3.15	0.99	0.29	49.7	20.3	11	15.45	42.4	4.20
W588816		2.65	0.20	7.55	4.8	2210	1.55	0.14	2.59	0.10	51.0	6.4	13	7.50	3.7	3.07
W588817		1.87	0.22	7.75	4.8	2180	1.67	0.14	1.93	0.14	51.8	8.3	11	10.55	12.6	3.52
W588818		2.72	0.07	7.66	3.7	2220	1.11	0.17	2.77	0.08	57.0	7.6	13	8.99	4.7	3.27
W588819		6.00	0.04	0.07	1.4	30	<0.05	0.05	20.9	0.06	1.41	0.8	1	0.15	2.0	0.48
W588820		6.01	0.33	6.16	29.7	3810	1.10	0.63	3.56	0.19	42.7	6.8	10	26.9	13.9	3.00
W588821		2.12	0.11	7.39	5.5	2190	1.15	0.15	2.75	0.12	58.3	7.6	11	9.39	5.7	3.16
W588822		1.07	0.17	7.33	5.1	2140	1.24	0.15	2.72	0.30	56.4	7.1	12	10.00	6.3	3.14
W588823		4.97	0.41	6.26	43.4	1430	1.27	0.71	2.63	0.17	46.9	17.8	12	19.15	9.4	3.21
W588824		4.30	0.32	6.00	35.3	5080	1.19	0.09	2.64	0.20	40.2	5.7	9	26.0	7.2	2.90
W588825		4.41	0.15	6.42	19.0	1130	1.20	0.09	2.85	0.24	46.2	5.8	10	22.5	6.4	2.73
W588826		3.69	0.21	7.32	24.6	1660	1.24	0.19	2.33	0.19	61.2	13.0	11	19.45	19.2	2.77

Comments: Blended 1.66kg of sample W588813 was blended into W588812. Sample have been completely homogenized and processed under sample W588812.

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



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Page: 2 - B
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Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH17162634

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588791		15.70	0.10	1.0	0.050	2.73	22.7	20.0	1.05	972	0.62	0.05	7.8	3.5	570
W588792		16.90	0.10	1.7	0.122	2.60	33.6	27.5	1.07	1480	1.79	0.04	9.7	3.2	720
W588793		14.85	0.09	1.0	0.089	2.93	27.0	15.9	0.88	2380	0.87	0.04	7.2	2.4	520
W588794		16.45	0.11	1.1	0.038	2.81	23.2	52.0	0.81	1020	0.75	0.07	8.5	2.3	580
W588795		14.40	0.10	0.9	0.080	2.93	26.1	21.5	1.00	2790	0.74	0.04	7.3	2.4	510
W588796		15.40	0.09	1.0	0.062	2.58	25.2	21.3	0.87	883	0.33	0.05	7.5	2.3	530
W588797		13.70	0.08	0.8	1.560	2.70	18.8	18.5	0.71	2350	16.85	0.06	4.7	13.8	450
W588798		15.05	0.09	0.9	0.990	3.32	26.6	7.8	0.71	3910	0.56	0.03	7.2	2.3	500
W588799		15.65	0.10	1.1	0.115	2.79	25.7	16.6	0.86	1920	1.13	0.05	7.9	2.5	550
W588800		15.30	0.09	1.2	0.116	2.77	27.6	17.0	0.88	1940	1.21	0.04	8.0	2.5	560
W588801		18.15	0.11	2.4	0.030	1.03	38.1	151.0	1.03	843	1.30	0.05	11.6	2.6	910
W588802		16.65	0.10	2.2	0.026	0.41	35.8	145.5	1.09	871	1.41	0.03	10.9	2.9	850
W588803		9.68	0.06	1.1	0.335	1.13	18.3	42.0	1.87	1310	6.97	0.02	5.6	2.6	480
W588804		16.90	0.09	3.0	0.033	2.99	31.0	17.9	1.21	1200	0.83	0.04	9.4	6.4	990
W588805		17.00	0.09	3.0	0.027	2.93	30.0	33.6	1.47	880	0.56	0.05	9.4	5.6	1010
W588806		14.85	0.09	1.0	0.781	2.98	23.1	19.9	0.80	1880	8.43	0.13	6.3	11.5	500
W588807		18.20	0.10	3.3	0.036	2.74	28.9	49.3	1.15	936	1.92	0.06	10.1	6.3	1090
W588808		15.50	0.07	0.9	0.984	3.18	20.6	6.0	0.40	842	0.51	0.03	6.1	2.8	500
W588809		20.8	0.10	3.5	0.062	3.52	31.1	35.4	0.94	1600	2.11	0.05	11.8	6.9	1200
W588810		0.28	0.11	<0.1	<0.005	0.05	0.7	1.2	13.25	204	0.10	0.01	0.3	1.5	270
W588811		10.75	0.06	0.4	0.282	2.11	11.8	6.3	0.25	171	1.89	0.02	3.8	2.5	300
W588812		14.75	0.08	1.1	0.170	3.17	30.9	16.1	0.84	1520	0.78	0.39	7.8	4.8	600
W588813															
W588814		15.90	0.11	1.1	0.088	2.96	30.1	18.0	0.40	1090	2.74	1.60	8.0	4.1	630
W588815		15.20	0.10	1.0	0.126	3.43	27.7	22.1	0.35	1020	2.97	0.79	7.5	2.8	600
W588816		15.50	0.12	1.0	0.040	2.77	27.9	12.4	0.88	628	1.64	2.32	7.4	2.5	600
W588817		15.80	0.10	1.1	0.039	2.76	27.9	14.7	0.68	739	2.87	1.94	7.7	2.8	640
W588818		16.80	0.12	1.1	0.034	2.74	30.4	5.1	0.86	676	1.32	2.39	8.6	2.8	630
W588819		0.25	0.14	<0.1	<0.005	0.03	0.7	0.3	13.30	196	0.11	0.01	0.2	1.2	180
W588820		15.55	0.12	1.1	0.030	2.59	20.9	24.0	0.39	965	2.89	0.53	8.5	2.3	580
W588821		16.55	0.12	1.3	0.034	2.78	30.9	4.8	0.86	742	0.75	2.41	9.0	2.5	630
W588822		16.40	0.14	1.3	0.036	2.79	29.8	4.9	0.82	712	0.92	2.35	8.6	2.6	600
W588823		16.05	0.13	1.1	0.080	2.77	24.0	35.4	0.40	1140	1.40	0.33	8.2	2.6	530
W588824		16.05	0.13	1.2	0.030	2.31	19.6	44.3	0.45	898	1.16	0.05	8.3	2.3	520
W588825		16.20	0.13	1.2	0.034	2.16	22.5	77.0	0.69	947	3.09	0.07	8.6	2.1	560
W588826		17.35	0.14	1.2	0.046	2.65	33.5	27.8	0.55	626	1.17	0.81	8.8	2.5	600

Comments: Blended 1.66kg of sample W588813 was blended into W588812. Sample have been completely homogenized and processed under sample W588812.

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



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17162634

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W588791		80.0	<0.002	0.24	8.40	10.6	1	1.7	145.0	0.59	<0.05	11.90	0.255	2.59	4.3	70
W588792		111.5	<0.002	0.96	19.00	8.3	1	3.9	277	0.70	0.16	12.00	0.260	2.55	6.2	61
W588793		152.0	<0.002	1.37	13.05	9.1	1	3.3	114.0	0.61	<0.05	14.60	0.232	2.46	5.5	62
W588794		114.0	<0.002	0.15	7.15	10.3	1	1.7	135.0	0.75	<0.05	14.50	0.265	2.04	4.6	70
W588795		153.5	<0.002	1.10	7.27	8.9	1	2.8	105.5	0.69	0.05	13.30	0.221	2.41	7.7	59
W588796		107.5	<0.002	0.28	6.36	9.1	1	1.9	129.0	0.73	<0.05	12.95	0.238	2.24	5.1	62
W588797		148.0	0.002	8.16	103.5	7.9	2	10.8	62.6	0.38	0.72	8.92	0.174	2.25	5.7	57
W588798		210	<0.002	3.40	21.0	8.9	1	4.0	53.9	0.75	0.09	13.10	0.220	3.03	6.2	59
W588799		134.5	<0.002	1.19	12.35	9.1	1	2.6	149.0	0.80	0.11	13.60	0.239	2.58	6.9	62
W588800		142.0	<0.002	1.26	11.60	9.2	1	2.4	154.0	0.83	0.12	13.85	0.242	2.62	7.1	63
W588801		37.5	<0.002	0.12	4.49	6.2	1	2.1	225	0.77	<0.05	11.40	0.282	0.80	6.2	53
W588802		13.6	<0.002	0.16	5.10	5.7	1	1.5	235	0.71	<0.05	10.30	0.262	0.52	6.6	49
W588803		69.1	<0.002	5.10	30.2	4.3	1	4.4	363	0.38	0.22	6.80	0.157	1.13	5.5	36
W588804		169.0	<0.002	1.95	11.25	6.3	1	1.4	200	0.63	<0.05	8.77	0.289	3.81	3.9	58
W588805		144.5	<0.002	0.25	5.67	6.1	1	1.4	264	0.62	<0.05	9.16	0.292	3.15	4.0	58
W588806		165.0	<0.002	4.88	62.5	8.7	2	8.2	95.1	0.49	1.09	11.00	0.219	2.64	5.2	63
W588807		123.5	<0.002	0.25	5.34	6.7	1	1.5	257	0.67	<0.05	8.86	0.314	3.09	4.0	64
W588808		190.0	<0.002	7.36	56.9	8.3	1	14.4	25.5	0.46	0.22	11.00	0.224	2.37	3.2	62
W588809		159.0	<0.002	0.26	15.00	7.7	1	1.9	234	0.75	<0.05	9.95	0.372	4.03	8.4	75
W588810		2.6	<0.002	0.01	0.16	0.2	1	0.2	49.0	<0.05	<0.05	0.18	<0.005	0.03	1.2	3
W588811		121.5	<0.002	>10.0	31.3	5.1	1	12.1	10.2	0.28	2.74	7.21	0.131	1.41	1.8	41
W588812		160.0	<0.002	2.09	3.29	10.2	1	3.5	127.0	0.68	0.57	15.50	0.269	2.13	4.6	73
W588813																
W588814		126.5	<0.002	0.06	6.92	10.7	1	1.8	183.5	0.68	<0.05	15.70	0.286	1.51	2.7	75
W588815		155.0	<0.002	0.17	4.90	10.4	1	4.0	132.0	0.63	0.10	14.80	0.261	1.95	3.3	71
W588816		103.0	<0.002	0.01	1.07	10.4	1	1.3	390	0.63	<0.05	14.60	0.268	0.97	2.8	73
W588817		105.0	<0.002	0.01	1.93	10.7	1	2.4	310	0.65	<0.05	14.15	0.278	0.99	2.4	76
W588818		107.5	<0.002	<0.01	0.90	10.6	1	1.5	387	0.68	<0.05	14.90	0.287	0.87	2.5	78
W588819		1.1	<0.002	<0.01	0.08	0.2	<1	<0.2	47.5	<0.05	<0.05	0.20	<0.005	<0.02	0.6	3
W588820		90.1	<0.002	0.11	12.70	9.1	1	2.5	147.0	0.71	<0.05	12.95	0.264	1.65	3.4	72
W588821		110.0	<0.002	0.01	0.82	10.9	1	1.4	377	0.77	<0.05	16.30	0.275	0.94	3.9	74
W588822		109.0	<0.002	0.02	0.95	10.6	1	1.4	369	0.76	<0.05	16.35	0.270	0.94	3.7	72
W588823		123.0	<0.002	0.12	10.95	10.3	1	1.8	88.0	0.68	<0.05	14.50	0.244	1.84	4.1	69
W588824		84.7	<0.002	0.18	20.6	9.1	1	1.7	84.1	0.74	<0.05	12.90	0.245	1.84	3.9	68
W588825		81.2	<0.002	0.11	16.50	10.0	1	1.9	138.0	0.74	<0.05	13.70	0.257	1.55	10.4	69
W588826		120.5	<0.002	0.08	13.00	11.2	1	1.8	182.0	0.69	<0.05	16.50	0.269	1.45	7.7	72

Comments: Blended 1.66kg of sample W588813 was blended into W588812. Sample have been completely homogenized and processed under sample W588812.

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



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Page: 2 - D
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CERTIFICATE OF ANALYSIS WH17162634

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588791		2.8	16.0	67	23.5	<0.005
W588792		3.6	15.9	192	57.8	0.037
W588793		3.4	14.2	674	23.6	0.063
W588794		3.6	18.5	54	26.1	<0.005
W588795		2.9	15.7	363	20.6	0.098
W588796		1.8	15.4	52	22.0	0.777
W588797		7.4	9.2	3500	23.0	1.705
W588798		3.4	10.2	5720	20.8	0.190
W588799		3.5	14.5	532	26.1	0.049
W588800		3.5	14.8	575	28.6	0.060
W588801		1.9	14.6	80	89.4	<0.005
W588802		1.8	13.2	79	83.4	<0.005
W588803		3.1	7.7	1100	39.8	0.305
W588804		4.9	12.7	55	130.0	0.019
W588805		2.0	12.5	52	127.5	<0.005
W588806		5.8	11.4	2500	30.5	0.873
W588807		1.3	13.4	80	140.0	0.007
W588808		6.4	6.9	8830	27.1	1.105
W588809		3.5	15.1	225	155.0	0.041
W588810		0.1	0.8	30	0.6	<0.005
W588811		4.4	5.5	83	10.3	0.253
W588812		2.7	13.2	228	24.3	0.029
W588813						
W588814		4.0	18.5	116	29.5	0.009
W588815		2.7	17.2	96	24.3	0.020
W588816		2.4	17.5	53	24.7	<0.005
W588817		3.2	18.8	76	28.3	<0.005
W588818		1.4	18.4	60	28.3	<0.005
W588819		0.1	0.9	16	<0.5	<0.005
W588820		2.2	16.3	77	29.4	<0.005
W588821		1.2	20.1	68	30.3	<0.005
W588822		1.1	19.4	77	30.4	<0.005
W588823		2.3	16.1	72	30.7	0.005
W588824		2.1	15.0	70	29.7	<0.005
W588825		2.8	16.8	66	29.8	<0.005
W588826		1.6	17.1	56	31.3	<0.005

Comments: Blended 1.66kg of sample W588813 was blended into W588812. Sample have been completely homogenized and processed under sample W588812.

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



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 17-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17162634

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE WH17162642

Project: Klaza

P.O. No.: 17-098

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162642

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Zn-OG62 Zn %	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	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
W588451		2.08			7.24	5.78	189.5	1320	1.62	0.09	2.16	4.49	40.2	5.5	8	19.20
W588452		4.89			4.11	6.86	43.1	940	1.53	0.12	1.23	2.37	48.6	7.2	9	25.7
W588453		4.00			4.17	7.54	62.8	1410	1.88	0.16	1.10	21.7	52.4	7.4	9	25.3
W588454		4.05			29.9	6.52	1240	790	1.31	0.38	2.02	19.15	38.3	6.2	9	21.7
W588455		4.61			21.8	7.32	712	1920	1.54	0.15	2.46	12.05	43.0	6.1	10	23.8
W588456		4.10			9.86	7.13	4750	760	1.71	0.11	1.54	22.5	52.0	5.8	10	25.5
W588457		6.09			0.05	0.07	3.6	30	0.05	0.02	20.6	0.09	1.29	2.0	1	0.22
W588458		5.24			17.90	7.16	4320	330	1.47	0.35	2.08	87.5	50.7	6.6	8	16.95
W588459		4.59			1.20	7.34	47.1	2010	1.73	0.09	2.28	4.42	52.5	7.1	11	13.70
W588460		12.00			0.43	7.09	28.8	2150	1.67	0.15	2.60	0.82	48.9	6.6	11	12.55
W588461		3.58			0.58	7.77	39.2	1930	1.60	0.21	1.49	1.52	50.1	8.4	10	15.85
W588462		2.92	106	1.670	>100	5.89	679	540	1.28	5.99	2.10	164.0	38.5	7.3	8	10.40
W588463		4.45			3.92	6.80	180.0	1000	1.47	0.60	2.69	9.25	49.3	6.8	8	15.20
W588464		<0.02			3.51	6.86	195.5	1010	1.54	0.59	2.76	9.47	52.7	7.4	9	15.90
W588465		9.82			1.00	7.34	77.7	1840	1.43	0.13	2.21	2.47	43.7	7.9	11	15.15
W588466		2.05			28.2	6.24	595	250	1.16	1.95	2.92	50.3	46.7	6.1	6	20.9
W588467		3.77			0.26	7.30	26.0	2450	1.50	0.67	2.75	0.25	47.2	14.6	8	10.80
W588468		1.42			0.17	7.17	25.4	2080	1.26	0.55	2.68	0.20	48.0	12.8	8	11.90
W588469		8.85			0.19	7.27	21.2	2590	1.39	0.23	1.88	0.25	45.9	5.4	9	16.50
W588470		6.62			0.61	6.19	60.7	4100	1.39	0.15	3.30	0.80	49.7	6.6	9	16.35
W588471		0.26			37.8	5.61	2410	80	1.14	29.8	1.58	44.9	36.7	16.1	22	9.24
W588472		9.81			0.34	7.06	44.5	1400	1.47	0.17	2.12	0.50	43.5	6.6	9	17.15
W588473		2.57			2.63	6.37	91.4	2260	1.38	0.20	7.21	3.71	50.7	6.3	6	13.00
W588474		8.26			9.36	6.68	210	1150	1.40	0.51	2.50	17.45	44.7	8.2	12	14.00
W588475		2.68			5.15	7.34	297	1160	1.84	0.66	2.90	13.15	50.7	8.9	9	9.85
W588476		0.26			11.95	6.65	1590	100	1.49	10.55	1.88	33.7	46.4	17.6	19	13.30
W588477		2.80			16.90	6.14	294	790	1.32	1.18	4.71	18.35	53.6	20.0	7	10.45
W588478		6.16			1.20	7.14	62.8	1670	1.42	0.29	2.50	1.84	38.4	4.5	9	11.55
W588479		5.11			32.4	6.03	1440	490	1.42	1.43	2.91	69.4	45.0	8.8	9	15.05
W588480		3.57			0.77	7.43	52.1	1820	1.29	0.18	2.03	1.15	41.9	6.0	10	12.35
W588481		8.15			4.81	7.08	213	1790	1.59	0.75	2.25	31.6	49.9	8.6	10	22.6
W588482		6.07			0.03	0.07	0.2	30	<0.05	0.02	19.70	0.11	1.12	0.6	1	0.17
W588483		4.75			0.67	7.51	63.4	340	1.68	0.16	1.55	1.26	69.1	6.3	18	19.35
W588484		3.15			11.30	5.66	2200	90	0.96	1.38	2.99	36.5	34.4	4.6	6	12.75
W588485		5.23			7.28	7.23	409	1280	1.40	1.77	2.05	8.47	49.3	5.4	8	19.15
W588486		4.79			1.42	7.60	136.5	2450	1.47	0.26	1.88	6.27	52.5	6.6	9	30.1



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17162642

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
W588451		14.2	2.67	12.90	0.08	1.0	0.027	2.02	22.6	68.3	0.63	1790	7.35	0.02	5.7	2.2
W588452		9.8	2.31	15.45	0.06	1.3	0.043	2.76	27.0	29.8	0.44	1560	3.56	0.02	7.2	2.8
W588453		30.6	2.54	16.55	0.12	1.3	0.056	3.11	29.4	21.8	0.50	1940	1.82	0.02	7.5	2.9
W588454		71.5	3.77	15.45	0.10	1.3	0.084	3.05	18.9	64.1	0.58	1860	1.64	0.09	7.2	2.1
W588455		32.3	3.07	17.55	0.10	1.3	0.047	3.68	21.0	43.3	0.54	1380	1.50	0.49	8.2	2.3
W588456		183.0	2.93	16.50	0.12	1.3	0.069	2.94	28.8	40.9	0.56	1400	1.31	0.02	7.6	2.1
W588457		4.6	0.47	0.32	<0.05	<0.1	<0.005	0.03	0.6	1.5	13.00	200	0.07	<0.01	0.2	0.3
W588458		99.9	3.71	16.15	0.07	1.3	0.648	2.98	28.2	30.1	0.75	2070	1.22	0.02	7.1	2.0
W588459		10.8	2.91	16.75	0.11	1.4	0.043	2.95	27.8	14.7	0.70	1000	1.05	1.65	8.1	2.3
W588460		10.1	2.82	16.55	0.09	1.5	0.055	2.66	26.1	17.6	0.70	592	1.10	2.08	7.9	2.3
W588461		14.4	3.73	17.95	0.10	1.3	0.074	3.06	26.1	43.2	0.77	1130	1.65	0.24	8.8	2.6
W588462		349	4.43	13.10	0.11	1.0	4.36	2.71	18.5	13.0	0.77	2980	3.07	0.03	5.8	2.1
W588463		29.3	3.14	15.00	0.07	1.1	0.195	2.87	27.2	54.3	0.93	2030	4.03	0.04	7.3	2.2
W588464		29.1	3.17	15.90	0.10	1.2	0.192	2.90	29.1	53.9	0.94	2090	2.44	0.04	7.4	2.5
W588465		16.5	3.51	16.85	0.10	1.2	0.056	2.92	22.6	22.7	0.72	1010	1.10	0.78	7.8	2.6
W588466		269	3.67	14.20	0.10	1.0	0.198	2.35	25.8	42.1	1.09	1900	2.14	0.04	6.4	2.3
W588467		4.4	3.73	16.45	0.09	1.3	0.053	2.87	24.9	32.2	0.84	678	1.03	0.46	7.8	2.1
W588468		4.5	3.42	17.15	0.11	1.3	0.051	2.85	24.9	33.6	0.81	657	0.93	0.38	8.1	2.0
W588469		3.9	2.93	16.05	0.11	1.3	0.047	2.61	24.7	41.1	0.60	567	0.79	0.26	7.8	1.6
W588470		5.8	2.69	13.45	0.08	1.1	0.032	1.65	28.3	56.1	1.04	794	1.61	0.07	6.4	2.3
W588471		1135	8.90	13.85	0.16	0.8	1.510	2.55	18.1	15.7	0.65	2220	16.60	0.06	4.8	14.0
W588472		6.0	2.58	16.70	0.11	1.3	0.047	2.53	21.5	36.8	0.56	492	1.20	0.62	8.1	2.3
W588473		14.5	2.85	13.85	0.10	1.2	0.080	1.87	29.3	33.4	1.44	1270	1.05	0.25	6.7	2.1
W588474		49.6	2.85	15.45	0.09	1.4	0.287	1.94	23.6	37.9	0.76	820	1.42	0.12	7.3	3.3
W588475		29.4	3.35	17.85	0.09	1.2	0.240	2.53	26.6	31.2	0.97	936	1.22	0.14	8.3	2.5
W588476		291	6.66	15.95	0.15	1.1	0.796	2.93	24.9	19.1	0.76	1830	9.17	0.13	6.7	12.4
W588477		44.9	3.66	14.10	0.12	1.0	0.484	2.14	30.9	22.7	1.49	1210	0.91	0.25	6.3	2.8
W588478		7.5	3.01	16.85	0.11	1.2	0.073	2.62	18.5	21.9	0.49	426	1.44	1.06	8.0	1.7
W588479		162.5	3.56	13.85	0.12	1.2	0.970	1.81	24.8	34.6	0.83	971	1.72	0.18	6.0	4.1
W588480		17.6	3.24	17.35	0.12	1.2	0.061	2.54	21.1	22.4	0.65	620	1.84	0.81	8.3	2.3
W588481		27.6	3.38	16.10	0.12	1.3	0.112	3.57	27.0	21.3	0.90	1450	2.33	0.06	7.6	2.6
W588482		4.7	0.48	0.19	0.12	<0.1	0.006	0.02	0.5	0.7	12.25	195	0.13	<0.01	0.1	1.1
W588483		14.9	2.54	18.65	0.13	4.2	0.078	1.38	35.2	229	0.68	682	3.43	0.03	11.2	4.8
W588484		78.8	4.13	12.15	0.09	1.0	0.403	2.55	17.8	15.8	1.09	3630	2.89	0.02	5.6	1.8
W588485		235	3.21	15.55	0.10	1.2	0.183	3.18	26.8	11.5	0.71	2420	2.00	0.02	7.6	1.8
W588486		18.8	2.82	16.45	0.13	1.4	0.072	3.01	28.1	24.1	0.72	1100	1.46	0.03	8.0	1.9



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162642

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005
W588451		390	295	97.4	<0.002	0.23	64.0	8.4	1	1.5	75.4	0.44	<0.05	9.22	0.188
W588452		460	926	138.0	<0.002	0.66	35.7	9.7	1	1.6	93.5	0.53	0.07	10.90	0.233
W588453		530	509	159.0	<0.002	0.91	30.3	10.0	1	2.0	60.5	0.56	<0.05	11.90	0.242
W588454		530	2690	127.5	<0.002	1.84	61.3	9.8	1	2.1	96.5	0.54	<0.05	9.55	0.232
W588455		630	3480	148.5	<0.002	1.17	37.6	11.1	1	2.5	171.0	0.59	0.05	9.89	0.272
W588456		530	611	163.5	<0.002	1.68	57.8	10.0	1	3.5	150.0	0.59	<0.05	12.05	0.241
W588457		190	6.2	1.3	<0.002	<0.01	0.14	0.2	1	<0.2	51.1	<0.05	<0.05	0.10	<0.005
W588458		540	1240	187.0	<0.002	2.70	71.7	9.6	2	4.5	83.7	0.56	<0.05	12.25	0.220
W588459		580	302	118.5	<0.002	0.20	5.28	10.5	1	2.1	285	0.64	<0.05	12.30	0.247
W588460		570	52.8	101.5	<0.002	0.09	2.67	10.7	1	1.6	330	0.63	<0.05	11.75	0.247
W588461		630	123.0	120.5	<0.002	0.32	10.15	12.2	1	2.4	112.5	0.66	0.05	12.20	0.279
W588462		440	4040	148.0	<0.002	4.19	132.0	8.4	3	3.3	61.7	0.44	0.16	8.39	0.195
W588463		550	423	141.0	<0.002	1.47	19.05	10.4	1	2.1	97.1	0.54	0.16	11.00	0.239
W588464		560	418	147.5	<0.002	1.55	18.80	10.7	1	2.2	99.5	0.56	0.13	11.25	0.241
W588465		600	191.0	120.5	<0.002	0.53	9.71	10.9	1	2.1	186.0	0.58	0.05	10.45	0.262
W588466		480	4700	113.5	<0.002	2.15	71.5	9.5	2	2.3	110.5	0.46	0.09	9.87	0.211
W588467		610	26.3	111.0	<0.002	0.71	8.82	10.6	2	1.9	154.5	0.59	0.27	11.30	0.260
W588468		620	18.6	107.0	<0.002	0.54	9.28	11.3	1	2.1	145.5	0.61	0.22	11.35	0.263
W588469		600	11.5	103.0	<0.002	0.20	13.80	10.7	1	2.1	121.0	0.60	0.06	11.30	0.255
W588470		470	29.1	75.7	<0.002	0.29	21.2	9.0	1	1.5	170.5	0.50	<0.05	10.25	0.208
W588471		440	1620	139.5	<0.002	7.65	107.5	8.2	2	10.6	63.1	0.35	0.75	7.93	0.165
W588472		600	28.5	95.5	<0.002	0.23	10.15	10.5	1	1.7	153.5	0.63	0.05	10.85	0.256
W588473		510	236	84.3	<0.002	0.38	17.15	9.2	1	1.5	228	0.49	<0.05	10.60	0.213
W588474		540	974	80.2	<0.002	0.88	25.6	9.8	1	2.3	97.6	0.61	0.14	10.35	0.238
W588475		620	566	98.2	<0.002	1.14	13.30	11.1	1	2.8	89.1	0.59	0.29	10.60	0.268
W588476		540	1295	159.5	<0.002	4.69	67.4	9.8	2	8.3	98.3	0.52	1.28	10.10	0.215
W588477		500	2570	113.5	<0.002	1.50	24.5	9.1	2	2.0	130.0	0.48	0.43	9.38	0.207
W588478		620	102.5	94.2	0.002	0.30	5.06	9.9	<1	2.0	180.0	0.62	0.10	10.95	0.261
W588479		480	3450	99.9	<0.002	1.99	42.4	7.7	1	3.8	110.5	0.49	0.44	10.80	0.196
W588480		630	75.0	93.5	<0.002	0.12	9.06	10.3	1	2.1	176.0	0.63	<0.05	11.80	0.269
W588481		570	874	207	<0.002	1.25	13.70	9.4	1	2.2	155.5	0.61	0.16	13.20	0.234
W588482		190	3.2	1.3	<0.002	<0.01	0.10	0.1	<1	<0.2	46.0	<0.05	<0.05	0.09	<0.005
W588483		1170	87.9	51.0	<0.002	0.10	21.2	4.9	<1	2.1	487	0.71	<0.05	10.30	0.327
W588484		450	1215	168.0	<0.002	3.02	34.3	7.0	<1	2.8	91.3	0.45	0.11	9.44	0.183
W588485		580	264	187.5	<0.002	1.57	77.4	9.6	<1	2.4	116.0	0.60	0.95	13.35	0.238
W588486		590	190.5	151.0	0.002	0.74	11.00	9.9	1	2.0	163.5	0.68	<0.05	14.70	0.247



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162642

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		U	V	W	Y	Zn	Zr	Au
		ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
W588451		5.7	54	4.7	12.3	377	28.6	0.029
W588452		4.2	64	7.1	11.5	199	36.9	0.019
W588453		4.9	66	7.7	11.6	1320	37.7	0.022
W588454		4.0	65	4.2	12.4	1320	36.7	0.346
W588455		3.4	72	3.6	13.3	780	37.4	0.145
W588456		3.9	64	5.9	10.9	1360	36.0	1.890
W588457		0.7	2	0.1	0.8	17	0.7	<0.005
W588458		3.9	60	4.4	12.4	8770	36.9	0.872
W588459		3.9	66	2.6	15.9	520	40.5	0.009
W588460		3.9	67	1.5	16.3	95	40.8	0.020
W588461		4.5	76	4.2	15.6	196	37.4	0.005
W588462		4.5	54	4.9	10.2	>10000	28.6	1.460
W588463		5.2	64	5.6	13.5	980	31.0	0.068
W588464		5.2	64	5.8	14.2	985	32.9	0.072
W588465		4.1	70	2.9	14.7	323	33.7	0.045
W588466		5.3	59	3.1	13.5	6010	28.1	1.485
W588467		4.7	70	3.9	15.3	183	35.6	0.007
W588468		4.8	70	3.4	15.8	158	35.0	0.008
W588469		3.1	68	2.8	14.4	55	34.9	<0.005
W588470		5.5	59	1.9	18.1	116	29.8	0.016
W588471		4.8	54	6.9	8.7	3320	23.7	1.835
W588472		5.1	68	1.9	14.1	94	36.1	0.013
W588473		3.3	58	1.6	20.6	283	32.5	0.119
W588474		3.7	63	2.0	14.7	1100	37.4	0.580
W588475		3.6	74	2.3	14.7	866	34.3	0.342
W588476		4.9	63	6.0	11.5	2480	31.3	0.893
W588477		3.2	55	2.3	14.4	1130	29.9	0.416
W588478		3.5	72	1.9	13.7	145	33.1	0.075
W588479		6.2	54	2.9	16.0	4370	37.6	2.26
W588480		3.1	72	3.1	16.0	109	34.0	0.047
W588481		5.3	64	5.3	14.7	1880	39.1	0.156
W588482		0.5	1	0.1	0.8	18	<0.5	<0.005
W588483		4.4	55	2.4	10.4	131	171.0	<0.005
W588484		3.5	50	3.5	10.0	2550	30.4	0.959
W588485		5.4	67	5.6	13.0	756	36.2	0.151
W588486		6.4	67	3.5	15.8	414	39.8	0.037



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162642

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE WH17162652

Project: Klaza

P.O. No.: 17-099

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162652

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588827		4.24	0.06	6.89	7.4	1980	1.48	0.10	2.47	0.08	57.3	6.9	18	8.78	7.2	2.77
W588828		4.88	0.41	5.96	41.6	2230	1.34	1.01	2.81	0.20	45.6	13.8	24	12.30	17.3	3.68
W588829		8.27	0.18	5.16	16.9	940	1.23	0.59	2.10	0.10	38.3	6.5	38	10.55	8.5	3.50
W588830		4.23	0.29	5.77	24.4	4630	1.71	1.22	2.44	0.17	43.9	14.0	26	19.05	11.8	2.50
W588831		3.20	0.47	5.61	40.7	2050	1.34	0.12	3.83	0.24	42.3	8.7	16	16.40	8.3	2.65
W588832		3.50	0.09	6.14	24.3	710	1.32	0.16	1.83	0.21	48.1	6.6	9	23.4	16.7	2.44
W588833		0.25	11.80	6.52	1565	510	1.62	11.25	1.85	33.0	46.8	16.5	19	13.45	286	6.47
W588834		5.16	0.65	6.75	39.8	1600	1.74	0.37	3.20	0.59	51.3	7.6	9	21.6	4.9	3.10
W588835		<0.02	0.71	6.81	46.5	1520	1.82	0.39	3.31	0.59	53.9	8.1	8	22.4	5.2	3.39
W588836		3.19	0.06	7.30	7.9	1750	1.55	0.35	2.16	0.13	49.4	6.8	9	18.90	8.3	3.10
W588837		2.68	0.11	7.03	17.1	1990	1.35	0.16	2.57	0.06	50.2	6.7	9	14.80	15.7	2.52
W588838		3.93	5.26	6.37	427	230	1.62	6.38	2.00	8.02	53.9	11.5	7	17.95	71.2	5.85
W588839		5.97	0.02	0.07	0.7	30	0.05	0.06	20.0	0.07	1.09	0.8	<1	0.17	2.6	0.47
W588840		13.71	0.24	6.93	12.5	1790	1.35	0.73	2.80	0.77	56.4	6.3	9	14.15	11.8	3.23
W588841		6.47	0.13	6.76	8.2	1340	1.72	0.73	3.47	0.31	47.8	6.3	9	15.45	2.5	3.23
W588842		0.26	40.0	5.67	2500	80	1.30	35.2	1.66	47.3	38.8	16.2	23	10.00	1175	9.11
W588843		6.19	1.16	6.99	404	720	1.86	1.51	1.79	0.36	55.4	6.0	12	19.45	6.8	3.24
W588844		4.47	0.93	7.09	59.4	1110	2.12	1.55	2.79	1.22	61.7	7.1	19	21.6	16.5	2.65
W588845		11.68	1.16	6.90	47.4	2280	1.95	0.69	3.01	1.93	61.0	6.9	17	23.5	24.4	2.47
W588846		8.29	0.32	6.83	24.0	2420	1.92	0.14	3.49	0.18	60.6	6.5	17	21.6	21.9	2.51
W588847		2.55	28.1	6.51	734	540	1.76	15.40	1.89	31.9	54.7	21.2	14	15.75	493	4.22
W588848		4.42	0.16	7.30	6.5	2010	1.80	0.09	2.76	0.35	50.4	7.5	12	9.47	5.6	3.08
W588849		1.83	0.15	7.13	7.1	2030	1.61	0.10	2.67	0.21	54.6	7.4	10	9.43	5.7	3.00
W588850		2.64	2.18	7.60	57.1	9290	1.62	0.53	0.54	2.48	51.1	9.6	9	26.4	59.0	3.26
W588851		3.81	0.46	6.47	17.9	2910	1.64	1.53	3.11	0.12	41.4	6.9	9	11.05	3.6	2.68
W588852		11.36	1.83	6.93	236	90	1.12	3.65	2.98	0.62	49.8	68.1	8	16.60	96.8	10.50
W588853		12.24	0.72	6.52	26.5	2670	1.55	3.08	2.88	0.07	49.4	21.8	9	10.40	3.2	3.53
W588854		5.65	0.18	6.55	12.4	1600	1.70	0.83	2.38	0.05	37.7	3.6	9	7.36	2.0	3.01
W588855		5.66	1.01	6.90	40.5	2150	1.50	2.55	2.33	0.08	40.4	19.8	9	15.90	3.7	3.91
W588856		6.56	6.36	7.47	118.5	520	1.33	17.70	3.23	0.46	67.1	183.0	7	20.2	8.1	8.65
W588857		6.06	0.02	0.07	<0.2	40	0.05	0.09	19.45	0.05	1.11	0.9	1	0.15	2.4	0.46
W588858		9.62	4.14	7.77	103.0	2020	1.36	10.90	3.42	0.11	60.8	78.4	7	16.75	28.2	6.49
W588859		6.53	0.29	6.55	25.8	2430	1.43	0.45	2.59	0.12	54.7	6.7	8	22.0	14.6	2.62
W588860		4.74	0.62	6.53	39.1	2110	1.70	0.70	2.38	3.15	45.2	11.3	8	19.65	24.0	2.81
W588861		3.49	0.10	6.79	30.9	1390	1.58	0.31	3.11	0.10	56.3	6.3	7	22.6	18.5	2.85
W588862		8.98	0.77	6.26	49.3	580	1.66	2.26	3.17	0.30	48.1	33.6	7	20.5	37.4	3.85



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17162652

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
		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
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
W588827		16.10	0.11	1.2	0.037	2.69	31.2	10.9	0.71	634	1.64	2.11	7.4	4.4	550
W588828		12.60	0.11	0.8	0.136	2.11	23.7	36.6	1.17	1290	1.45	0.04	6.6	3.6	490
W588829		11.90	0.08	0.6	0.235	1.59	19.4	56.6	0.85	967	2.05	0.23	5.3	2.8	390
W588830		12.85	0.09	0.9	0.183	2.26	23.6	27.6	0.88	771	1.26	0.03	6.1	2.6	410
W588831		11.95	0.09	0.7	0.048	1.78	22.1	193.5	1.30	1000	1.10	0.03	6.0	3.5	450
W588832		14.60	0.10	0.8	0.057	1.72	26.3	110.0	0.63	682	0.56	0.04	7.1	2.8	510
W588833		15.80	0.13	1.1	0.811	2.83	24.3	20.3	0.76	1870	8.95	0.12	6.7	12.2	520
W588834		15.15	0.12	0.9	0.083	2.60	28.1	18.4	1.15	2740	0.40	0.04	7.1	2.8	520
W588835		15.50	0.11	1.0	0.105	2.69	29.2	18.1	1.19	3030	0.42	0.04	7.5	3.1	540
W588836		17.20	0.09	1.1	0.060	2.31	24.0	52.4	0.59	737	0.42	0.28	8.6	2.4	610
W588837		16.10	0.10	1.0	0.040	2.86	24.8	29.7	0.72	688	0.41	0.22	8.2	2.6	590
W588838		14.70	0.10	0.8	0.406	2.80	29.8	16.2	0.64	3800	3.47	0.04	6.4	3.2	500
W588839		0.19	0.05	<0.1	0.005	0.02	0.5	1.1	12.80	206	0.07	<0.01	0.2	1.3	170
W588840		15.90	0.11	1.0	0.117	2.17	30.7	17.9	0.79	820	0.43	1.03	7.9	2.7	560
W588841		15.50	0.08	1.0	0.134	1.38	25.2	21.1	0.78	940	0.32	1.01	8.1	2.7	570
W588842		15.05	0.10	1.0	1.590	2.56	19.1	17.3	0.67	2420	18.25	0.06	5.4	15.1	440
W588843		17.10	0.11	1.1	0.267	2.78	29.2	18.0	0.63	1120	0.47	0.05	8.5	2.7	610
W588844		19.05	0.11	3.7	0.094	2.73	31.8	43.1	1.00	905	1.95	0.05	10.6	6.7	1060
W588845		17.40	0.11	3.3	0.053	2.59	32.8	49.0	1.03	836	2.06	0.04	9.8	5.7	1010
W588846		17.45	0.13	3.3	0.031	2.71	32.4	67.5	1.23	745	2.76	0.05	9.7	6.2	970
W588847		16.65	0.11	2.6	0.440	2.32	28.4	71.8	0.76	741	5.04	0.05	8.7	6.1	870
W588848		17.55	0.10	1.0	0.043	2.50	25.9	11.8	0.79	803	0.64	2.15	8.7	3.0	600
W588849		17.70	0.11	1.1	0.053	2.43	28.0	10.8	0.78	751	0.67	2.17	8.9	3.0	600
W588850		17.70	0.09	1.5	0.056	2.65	31.9	196.5	0.16	1140	2.56	0.02	8.3	3.6	600
W588851		13.70	0.08	1.1	0.139	3.50	19.4	21.8	0.53	1280	1.12	0.31	8.2	2.5	600
W588852		19.10	0.14	0.9	0.390	4.08	25.5	27.5	0.98	3050	2.10	0.12	8.2	5.0	710
W588853		14.95	0.12	0.9	0.287	3.04	26.1	17.4	0.46	1380	1.18	0.72	7.2	2.3	540
W588854		16.15	0.08	1.1	0.131	2.60	17.0	21.2	0.41	904	0.43	0.57	7.9	2.1	530
W588855		14.60	0.09	1.0	0.151	3.02	19.9	38.5	0.76	1460	0.63	0.04	7.0	2.3	530
W588856		20.7	0.13	0.8	0.302	3.21	38.4	15.3	1.19	3300	2.25	0.05	6.8	3.1	510
W588857		0.20	<0.05	<0.1	0.005	0.03	0.5	1.0	12.40	204	0.06	<0.01	0.1	1.3	240
W588858		21.1	0.10	0.8	0.447	2.22	33.6	25.9	0.99	1590	0.41	1.84	7.4	3.9	600
W588859		15.05	0.07	1.2	0.069	2.71	29.7	38.3	0.75	653	0.47	0.66	7.9	2.5	510
W588860		14.65	0.08	1.1	0.091	2.27	23.2	48.4	0.71	1140	0.56	0.05	7.8	2.5	500
W588861		16.10	0.10	1.0	0.078	2.38	30.9	83.5	0.83	726	0.45	0.17	8.1	2.4	540
W588862		13.95	0.08	0.7	0.223	1.87	27.7	38.0	0.90	1440	0.82	0.03	5.7	2.7	500



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162652

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W588827		103.0	<0.002	0.01	1.42	9.9	1	1.5	356	0.59	<0.05	14.90	0.245	1.08	2.9	66
W588828		103.5	<0.002	0.55	10.95	8.3	<1	1.9	77.4	0.55	0.05	12.20	0.207	1.54	3.5	51
W588829		87.2	<0.002	0.23	8.59	7.0	1	2.6	67.3	0.40	<0.05	9.31	0.166	1.25	4.6	49
W588830		115.0	<0.002	0.34	10.25	7.5	1	1.9	106.0	0.64	<0.05	11.90	0.180	1.68	2.6	49
W588831		78.6	<0.002	0.21	21.4	7.8	1	1.1	130.0	0.45	<0.05	10.10	0.190	1.99	5.6	53
W588832		80.4	<0.002	0.13	29.9	9.2	1	1.9	117.0	0.52	<0.05	12.25	0.220	1.41	2.2	60
W588833		166.0	<0.002	4.61	66.2	9.1	1	8.0	94.2	0.53	1.32	11.30	0.213	2.64	5.1	61
W588834		136.0	<0.002	0.32	10.05	9.3	1	1.6	132.5	0.54	<0.05	12.85	0.226	2.32	7.9	59
W588835		140.5	<0.002	0.34	10.60	9.9	1	1.6	138.0	0.57	<0.05	12.85	0.236	2.44	6.2	62
W588836		86.9	<0.002	0.02	11.40	11.0	1	2.1	146.0	0.69	<0.05	13.90	0.263	1.21	3.2	71
W588837		80.0	<0.002	0.14	6.62	9.8	1	2.7	154.5	0.67	<0.05	13.50	0.263	1.63	3.6	66
W588838		165.5	<0.002	3.64	21.9	8.5	<1	3.3	76.6	0.50	0.50	12.55	0.210	2.33	9.9	57
W588839		1.1	<0.002	0.01	0.12	0.1	<1	<0.2	42.0	<0.05	<0.05	0.13	<0.005	0.02	1.1	2
W588840		115.5	<0.002	0.32	10.00	9.9	1	1.8	225	0.60	<0.05	14.65	0.243	1.50	5.3	63
W588841		77.0	<0.002	0.09	8.04	10.2	1	1.6	264	0.70	<0.05	12.65	0.253	1.17	6.4	62
W588842		149.0	0.003	7.99	112.0	8.2	1	11.5	63.3	0.43	0.77	9.30	0.177	2.21	5.5	56
W588843		166.0	<0.002	1.34	19.75	11.1	1	2.2	75.7	0.66	<0.05	14.70	0.258	3.37	7.1	74
W588844		143.0	<0.002	0.38	9.66	6.9	1	2.6	358	0.73	0.05	9.50	0.304	3.20	4.3	64
W588845		142.0	<0.002	0.31	16.70	6.3	1	2.6	204	0.69	<0.05	9.37	0.278	2.79	5.3	58
W588846		153.5	<0.002	0.18	13.50	6.4	1	1.4	232	0.68	<0.05	8.97	0.273	3.14	5.0	57
W588847		132.5	<0.002	2.81	88.3	7.1	1	4.8	268	0.59	0.56	8.63	0.255	2.31	5.4	56
W588848		98.6	<0.002	0.04	1.40	11.0	1	1.5	383	0.70	<0.05	13.35	0.271	1.02	4.1	71
W588849		80.0	<0.002	0.03	1.32	11.1	1	1.6	380	0.70	<0.05	14.55	0.263	1.02	4.5	69
W588850		127.0	<0.002	0.23	25.2	12.2	1	1.8	65.1	0.69	<0.05	14.15	0.275	2.07	4.0	77
W588851		148.0	<0.002	0.08	3.11	9.9	<1	1.9	120.0	0.62	0.07	11.55	0.260	2.31	5.2	68
W588852		120.0	<0.002	5.37	15.25	11.1	1	3.4	121.0	0.62	0.36	13.35	0.242	2.26	3.9	76
W588853		138.0	<0.002	0.51	3.41	8.9	1	3.9	133.0	0.56	0.27	13.75	0.217	2.01	8.9	56
W588854		120.0	<0.002	0.11	2.83	9.5	1	2.1	129.5	0.72	<0.05	13.55	0.229	1.87	3.1	63
W588855		146.5	<0.002	0.72	5.82	9.4	1	2.3	82.0	0.60	0.25	14.50	0.206	2.25	4.3	62
W588856		165.5	<0.002	2.93	6.89	11.0	1	4.9	88.9	0.53	0.33	14.85	0.205	2.68	6.8	82
W588857		1.1	<0.002	0.01	0.09	0.2	<1	<0.2	43.5	<0.05	<0.05	0.11	<0.005	0.03	0.6	2
W588858		99.2	<0.002	1.76	6.10	10.7	1	3.5	203	0.52	0.20	15.90	0.229	1.30	7.5	78
W588859		121.0	<0.002	0.15	7.32	9.2	1	1.9	184.0	0.64	<0.05	14.80	0.226	1.54	6.0	58
W588860		110.0	<0.002	0.59	11.60	8.9	1	2.1	164.5	0.71	<0.05	12.70	0.221	1.65	4.9	59
W588861		80.0	<0.002	0.32	11.55	9.8	1	2.0	195.5	0.74	<0.05	14.35	0.240	2.05	5.3	61
W588862		97.0	<0.002	1.24	11.55	8.0	1	2.8	123.0	0.47	0.16	11.25	0.192	1.45	25.1	54



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17162652

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588827		1.0	15.1	52	29.9	<0.005
W588828		3.3	12.3	70	17.7	0.012
W588829		2.8	10.8	52	13.2	0.007
W588830		3.1	13.6	47	19.7	0.008
W588831		5.9	14.4	56	16.9	0.005
W588832		3.5	14.0	60	19.1	<0.005
W588833		6.3	11.2	2390	30.1	0.896
W588834		3.9	14.5	109	21.5	0.011
W588835		3.9	15.1	111	22.5	0.012
W588836		2.6	15.1	65	24.6	<0.005
W588837		5.5	12.9	53	22.2	<0.005
W588838		7.1	11.1	719	18.4	0.518
W588839		0.1	0.7	16	<0.5	0.009
W588840		3.0	16.4	113	22.8	<0.005
W588841		3.6	16.7	91	22.5	<0.005
W588842		8.4	9.5	3420	25.7	1.660
W588843		5.3	12.0	68	23.5	0.045
W588844		3.1	12.7	172	140.0	0.010
W588845		3.1	12.3	195	128.5	0.022
W588846		1.8	12.4	57	129.0	0.005
W588847		3.4	10.6	2520	97.8	0.357
W588848		0.4	16.9	74	22.5	<0.005
W588849		0.4	17.5	62	26.1	<0.005
W588850		6.4	23.5	286	35.5	0.013
W588851		5.3	10.9	58	27.8	<0.005
W588852		9.2	16.3	147	20.1	0.105
W588853		7.8	13.2	50	22.2	0.015
W588854		2.8	11.2	42	24.4	<0.005
W588855		7.3	10.8	50	20.6	0.036
W588856		13.8	17.7	108	17.3	0.173
W588857		0.1	0.7	14	<0.5	<0.005
W588858		6.5	18.1	64	19.0	0.053
W588859		4.8	15.3	44	25.7	<0.005
W588860		7.7	13.2	316	23.1	0.021
W588861		3.9	16.0	48	21.9	0.005
W588862		6.9	15.0	64	16.1	0.051



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17162652

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

CERTIFICATE WH17162655

Project: Klaza

P.O. No.: 17-100

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162655

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588487		10.12	0.52	6.91	57.3	1230	1.21	0.29	2.09	0.92	49.7	8.1	9	25.8	6.9	2.72
W588488		4.35	0.33	6.87	44.4	910	1.17	0.36	2.12	0.33	51.4	10.1	10	27.9	6.7	3.04
W588489		11.55	0.33	6.77	30.5	1870	1.23	0.21	2.29	2.90	48.9	7.4	11	23.5	13.0	2.99
W588490		4.23	0.56	6.23	86.1	1930	1.28	0.17	3.83	2.22	50.4	5.7	9	26.5	10.4	2.72
W588491		8.27	0.55	6.73	112.0	2070	1.34	0.20	2.32	0.61	46.5	6.1	10	18.05	17.4	2.80
W588492		5.67	0.19	7.28	30.6	1850	1.49	0.19	2.32	0.50	58.4	7.9	10	19.70	7.7	2.93
W588493		2.90	3.85	6.43	280	2350	1.37	0.88	2.92	14.45	51.7	7.3	8	27.1	33.0	2.96
W588494		<0.02	3.59	6.46	253	2400	1.37	0.84	2.87	14.30	50.1	6.8	7	27.4	31.8	2.86
W588495		7.61	0.23	6.63	46.5	1870	1.46	0.39	2.50	0.59	52.9	7.9	10	26.1	13.4	2.81
W588496		3.81	0.31	6.61	60.8	2440	1.24	0.34	3.40	1.15	50.4	7.5	8	25.4	16.2	2.88
W588497		7.58	0.15	6.84	14.3	2080	1.35	0.17	2.50	0.22	46.8	6.5	10	20.0	13.4	2.80
W588498		4.94	5.48	6.43	99.6	2080	1.41	0.86	2.90	26.4	46.8	6.9	9	26.6	53.2	2.92
W588499		6.14	0.01	0.07	1.0	20	<0.05	0.02	19.90	0.07	1.10	0.8	1	0.16	1.8	0.47
W588500		6.74	0.13	7.02	24.5	1530	1.58	0.19	3.42	0.46	58.9	5.8	9	37.1	6.4	2.71
W589101		13.22	0.21	6.89	39.5	1580	1.71	0.18	3.37	0.21	58.0	7.2	9	41.0	7.4	2.49
W589102		12.16	0.25	7.14	20.9	1670	1.86	0.14	2.02	0.74	71.4	5.6	14	26.5	15.0	2.41
W589103		0.26	11.70	6.30	1510	390	1.16	12.70	1.83	33.9	47.1	17.3	19	13.70	277	6.46
W589104		7.61	0.14	7.18	33.0	3770	1.74	0.23	1.77	0.47	75.7	6.0	16	26.9	12.4	2.40
W589105		7.21	0.97	6.97	76.6	2510	1.43	0.21	2.24	2.04	49.3	5.9	9	23.7	9.7	2.67
W589106		3.64	21.2	6.40	4720	270	1.29	3.03	0.92	121.5	48.0	8.2	10	21.3	139.0	4.24
W589107		6.10	0.02	0.08	2.7	20	0.05	0.02	20.6	0.13	1.13	0.8	<1	0.21	1.8	0.50
W589108		13.02	1.75	6.99	481	1160	1.22	0.28	2.27	6.30	55.4	5.9	9	23.7	12.0	2.76
W589109		4.98	7.55	7.87	1070	1070	1.30	0.92	1.68	34.4	64.4	11.5	24	10.50	46.3	3.60
W589110		10.58	0.14	6.42	23.7	1190	1.16	0.18	2.92	0.15	55.3	4.7	24	6.72	8.4	2.10
W589111		10.17	0.16	6.54	23.8	730	1.43	0.15	2.91	0.21	56.3	4.6	24	16.85	10.1	2.04
W589112		3.70	7.87	6.64	611	450	1.47	0.71	2.29	25.2	61.5	6.4	15	20.2	56.8	2.83
W589113		9.18	1.05	7.00	162.0	940	1.47	0.14	2.62	3.70	56.5	6.2	9	25.3	12.6	3.09
W589114		5.64	1.14	6.53	126.0	1030	1.45	0.12	2.76	3.18	48.4	5.7	8	24.2	13.3	3.05
W589115		8.95	0.16	6.36	25.9	850	1.75	0.16	2.60	0.21	51.5	4.8	22	28.6	9.2	2.08
W589116		0.26	40.9	5.58	2530	100	1.08	35.2	1.69	46.0	36.5	16.3	23	10.85	1195	9.27
W589117		7.22	0.13	6.80	21.3	1200	1.57	0.16	3.21	0.14	55.0	4.9	24	28.6	10.5	2.17
W589118		3.56	4.30	7.52	369	1270	1.67	0.77	1.67	11.60	60.4	9.5	27	22.1	67.1	2.94
W589119		4.03	0.55	6.24	43.5	940	1.07	0.07	3.44	0.54	49.5	5.0	28	6.49	12.7	1.77
W589120		3.63	47.1	4.29	7430	650	1.06	0.76	5.01	45.7	29.2	4.6	13	13.75	157.5	3.79
W589121		4.61	12.25	5.76	1285	1370	1.15	0.20	4.23	5.54	46.3	4.1	26	7.20	59.7	2.10
W589122		10.50	2.82	6.48	234	1160	1.33	0.16	3.41	4.59	52.6	4.9	29	9.04	20.3	2.18



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162655

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
W588487		17.15	0.13	1.2	0.049	3.28	24.6	18.3	0.64	1220	2.02	0.05	8.6	2.2	560	35.4
W588488		16.95	0.13	1.1	0.044	2.97	26.4	14.5	0.76	823	3.20	0.04	8.2	2.3	550	23.5
W588489		16.80	0.13	1.2	0.043	2.85	24.1	33.4	0.61	608	1.28	1.20	8.4	2.2	570	57.5
W588490		15.60	0.14	1.1	0.046	2.94	26.5	34.4	0.70	1640	1.21	0.10	7.5	1.9	490	86.0
W588491		16.50	0.12	1.5	0.051	2.89	23.3	13.2	0.56	656	1.16	1.26	8.6	1.9	520	42.8
W588492		17.15	0.16	1.6	0.038	3.02	31.0	23.2	0.70	762	1.10	1.54	9.1	2.2	560	29.8
W588493		14.90	0.14	1.3	0.219	2.87	28.2	19.9	1.00	1860	1.55	0.07	7.5	2.3	480	650
W588494		15.30	0.15	1.2	0.201	2.86	27.5	20.0	0.99	1820	2.39	0.08	7.4	2.2	480	611
W588495		16.55	0.16	1.2	0.046	3.19	27.4	65.9	0.71	978	1.74	1.00	8.4	2.2	560	36.6
W588496		15.80	0.14	1.1	0.049	3.11	27.2	48.4	0.99	1060	1.41	0.19	7.6	1.8	500	65.4
W588497		16.75	0.14	1.2	0.040	2.74	23.9	24.4	0.66	591	2.34	1.77	8.3	2.0	550	24.8
W588498		16.15	0.14	1.6	0.467	3.05	23.8	52.1	0.86	740	2.28	1.07	8.2	2.2	550	930
W588499		0.26	0.17	<0.1	<0.005	0.03	0.5	0.6	12.90	194	0.12	0.01	0.1	1.2	160	1.9
W588500		18.60	0.19	3.4	0.030	3.30	31.7	25.3	1.04	626	0.58	0.24	10.3	3.5	740	24.7
W589101		18.30	0.17	3.4	0.033	2.86	30.7	28.0	1.19	615	0.93	0.08	10.0	3.8	720	21.0
W589102		20.6	0.18	3.5	0.026	2.63	38.2	35.1	0.85	473	0.92	0.05	11.2	4.4	930	33.2
W589103		15.45	0.14	1.0	0.737	2.82	24.8	13.0	0.77	1780	8.44	0.12	6.8	10.9	500	1305
W589104		20.5	0.17	3.4	0.028	2.55	40.1	92.1	0.75	462	1.03	0.06	11.2	4.7	1050	21.1
W589105		16.10	0.16	1.5	0.057	3.21	25.4	61.4	0.73	963	0.96	0.08	8.1	2.6	560	149.0
W589106		16.55	0.13	1.5	0.848	2.70	25.2	19.3	0.47	1120	6.11	0.03	7.1	2.9	500	4030
W589107		0.26	0.15	<0.1	<0.005	0.03	0.6	0.7	13.40	207	0.20	<0.01	0.1	1.2	170	4.2
W589108		16.15	0.15	1.2	0.056	3.01	30.4	18.3	0.85	1800	3.21	0.03	7.8	2.3	540	262
W589109		20.5	0.15	2.9	0.265	1.87	33.7	94.1	0.75	890	2.91	0.02	10.1	16.4	580	1275
W589110		17.20	0.13	2.8	0.024	0.52	29.4	98.6	1.02	627	4.70	0.02	8.5	12.3	640	22.5
W589111		18.65	0.14	3.0	0.023	1.29	29.0	81.1	0.96	602	2.35	0.04	9.1	12.0	700	19.4
W589112		16.80	0.15	2.5	0.242	1.83	33.3	80.7	0.87	896	3.78	0.02	9.0	4.7	840	1655
W589113		16.65	0.16	1.2	0.053	2.86	30.8	34.0	0.93	1870	1.47	0.05	8.4	2.5	540	137.5
W589114		15.20	0.15	1.1	0.051	2.65	26.4	35.8	0.97	1940	1.72	0.05	7.7	2.3	500	208
W589115		18.65	0.15	2.7	0.027	2.15	25.8	126.5	0.81	512	0.66	0.05	9.1	11.6	700	16.8
W589116		15.10	0.13	0.8	1.455	2.65	18.1	11.4	0.69	2350	18.60	0.06	5.1	13.6	430	1715
W589117		18.90	0.14	2.9	0.026	2.36	28.1	84.9	1.09	526	0.89	0.07	9.3	12.9	690	17.9
W589118		21.6	0.14	3.4	0.097	2.54	32.1	106.5	0.74	747	3.02	0.04	9.8	19.3	640	601
W589119		16.30	0.13	3.3	0.024	0.41	26.4	180.0	1.23	516	5.62	0.02	8.1	15.8	510	66.5
W589120		10.65	0.12	1.4	0.366	1.43	15.5	156.0	2.01	1480	52.1	0.03	4.7	9.0	300	5030
W589121		15.80	0.14	3.1	0.092	0.44	24.8	143.5	1.45	666	24.5	0.02	7.6	14.8	470	1265
W589122		17.95	0.14	3.5	0.061	0.56	28.1	253	1.31	643	5.24	0.02	8.6	16.2	560	243



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162655

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
W588487		110.0	<0.002	0.63	9.71	10.3	1	2.0	149.0	0.63	0.09	13.70	0.271	3.01	4.8	70
W588488		134.5	<0.002	0.69	12.40	10.1	1	1.9	155.0	0.61	0.10	14.25	0.253	2.34	4.9	66
W588489		124.0	<0.002	0.15	7.22	10.5	1	1.8	256	0.60	0.05	13.45	0.260	1.54	3.9	70
W588490		138.0	<0.002	0.49	12.75	9.3	1	1.6	226	0.57	<0.05	13.15	0.229	2.03	5.1	61
W588491		127.0	<0.002	0.14	8.65	9.9	1	1.5	252	0.69	<0.05	13.75	0.245	1.36	4.2	63
W588492		136.0	<0.002	0.14	4.44	10.3	1	1.4	296	0.74	0.06	15.75	0.254	1.44	5.6	64
W588493		151.0	<0.002	0.95	19.80	8.9	1	1.6	189.0	0.56	0.08	13.30	0.220	2.37	6.6	56
W588494		150.5	<0.002	0.90	19.65	8.9	1	1.7	188.5	0.56	0.07	12.95	0.222	2.35	6.4	56
W588495		153.5	<0.002	0.16	7.70	10.6	1	1.5	253	0.62	0.08	14.40	0.249	2.04	3.8	65
W588496		145.5	<0.002	0.28	11.50	9.5	1	1.5	254	0.58	<0.05	13.75	0.233	2.02	3.5	62
W588497		121.5	<0.002	0.04	4.17	10.1	1	1.8	321	0.62	<0.05	13.55	0.248	1.32	4.0	64
W588498		141.0	<0.002	0.54	15.00	9.2	1	1.9	306	0.60	<0.05	12.05	0.245	1.80	3.9	61
W588499		1.1	<0.002	<0.01	0.07	0.1	<1	<0.2	47.7	<0.05	<0.05	0.10	<0.005	0.02	0.6	2
W588500		143.5	<0.002	0.04	13.65	7.6	1	1.4	321	0.71	<0.05	10.45	0.297	2.00	4.9	68
W589101		100.0	<0.002	0.10	10.60	7.6	1	1.3	281	0.69	<0.05	10.30	0.286	1.88	5.2	66
W589102		108.5	<0.002	0.07	22.5	5.0	1	1.8	424	0.74	<0.05	11.15	0.301	1.35	3.5	50
W589103		168.5	0.002	4.61	63.8	8.9	2	7.5	95.3	0.49	1.05	11.70	0.206	2.37	5.0	59
W589104		106.5	<0.002	0.18	23.5	5.6	1	1.8	435	0.69	<0.05	10.95	0.324	1.40	3.6	55
W589105		142.0	<0.002	0.27	11.85	9.5	1	1.8	189.5	0.62	0.05	13.60	0.252	1.98	2.8	64
W589106		166.0	<0.002	3.88	66.0	8.0	1	5.3	114.5	0.51	0.24	11.00	0.226	2.51	4.7	56
W589107		1.2	<0.002	0.01	0.11	0.1	<1	<0.2	48.1	<0.05	<0.05	0.10	<0.005	0.02	0.5	2
W589108		159.5	<0.002	0.99	18.70	9.6	1	2.3	142.0	0.59	0.08	14.00	0.248	2.61	4.9	63
W589109		98.9	<0.002	1.94	24.3	8.1	1	2.7	285	0.73	0.26	13.85	0.299	1.74	7.5	61
W589110		22.0	<0.002	0.18	18.45	5.0	1	1.4	428	0.62	<0.05	10.35	0.252	0.60	7.7	46
W589111		46.6	<0.002	0.12	10.00	5.3	1	1.4	491	0.66	<0.05	10.45	0.268	1.07	6.9	49
W589112		104.5	<0.002	0.81	42.6	7.6	1	1.9	329	0.60	0.05	11.60	0.281	1.69	6.5	60
W589113		146.0	<0.002	0.32	11.20	10.0	1	1.8	171.5	0.66	<0.05	15.20	0.246	2.27	4.8	63
W589114		129.0	<0.002	0.31	10.45	8.9	1	1.9	169.0	0.61	<0.05	13.15	0.230	2.01	4.4	61
W589115		78.4	<0.002	0.07	7.22	5.3	1	1.5	378	0.62	<0.05	10.00	0.261	1.39	4.7	47
W589116		143.0	0.003	8.02	109.0	7.6	2	10.7	62.2	0.37	0.72	9.67	0.167	2.08	5.2	56
W589117		91.5	<0.002	0.12	7.70	5.1	1	1.6	411	0.65	<0.05	10.50	0.273	1.62	5.4	50
W589118		110.0	<0.002	1.04	20.8	7.5	1	6.0	433	0.71	0.05	13.10	0.279	1.90	6.6	59
W589119		17.7	<0.002	0.12	16.50	4.5	1	1.3	622	0.59	<0.05	10.25	0.231	0.33	7.1	42
W589120		70.7	<0.002	1.91	153.5	3.9	1	3.7	253	0.35	0.10	6.53	0.150	1.29	7.6	37
W589121		22.3	<0.002	0.36	53.9	4.3	1	1.6	550	0.56	<0.05	9.64	0.213	0.44	8.8	41
W589122		24.8	<0.002	0.27	18.10	4.8	1	1.7	767	0.62	<0.05	10.85	0.239	0.50	6.7	46



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162655

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588487		5.2	14.5	103	37.5	0.014
W588488		4.1	15.9	57	34.5	0.005
W588489		3.1	16.0	164	36.8	0.007
W588490		2.7	15.7	176	33.7	0.024
W588491		2.0	16.4	70	43.5	0.052
W588492		1.6	18.3	68	49.1	0.006
W588493		4.0	15.7	965	40.0	0.255
W588494		3.9	15.0	955	38.1	0.261
W588495		3.7	16.9	82	38.2	0.011
W588496		4.6	16.0	116	34.6	0.024
W588497		4.6	16.0	57	37.6	<0.005
W588498		4.1	15.1	1620	54.5	0.423
W588499		0.1	0.7	16	<0.5	<0.005
W588500		1.6	15.5	99	136.0	<0.005
W589101		1.7	14.9	71	133.0	<0.005
W589102		2.1	10.4	151	137.5	<0.005
W589103		5.6	11.7	2390	31.2	0.911
W589104		3.0	10.9	120	143.0	<0.005
W589105		2.8	14.3	162	46.0	0.060
W589106		5.8	10.1	7570	53.2	1.935
W589107		0.1	0.7	24	<0.5	<0.005
W589108		4.5	14.1	443	36.4	0.110
W589109		5.0	13.1	2220	113.0	0.470
W589110		3.5	11.7	61	105.5	<0.005
W589111		2.6	11.8	63	115.0	<0.005
W589112		4.9	12.5	1640	105.5	0.426
W589113		4.0	16.2	318	34.1	0.035
W589114		3.6	14.7	282	29.8	0.041
W589115		1.4	11.3	65	102.0	<0.005
W589116		7.2	9.4	3460	24.4	1.700
W589117		1.9	11.5	65	111.5	<0.005
W589118		4.5	13.4	955	135.5	0.497
W589119		1.8	9.7	84	135.0	0.030
W589120		2.9	8.1	2970	55.2	4.53
W589121		1.9	9.9	417	126.0	1.185
W589122		1.7	11.0	378	145.0	0.306



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 17-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17162655

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

CERTIFICATE WH17162661

Project: Klaza

P.O. No.: 17-101

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162661

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W589123		9.83	0.25	7.25	32.6	1700	1.53	0.38	2.64	0.27	42.8	6.5	10	19.30	10.0	2.85
W589124		7.56	0.38	6.90	26.5	1280	1.54	0.31	2.89	0.42	43.3	6.3	10	16.20	8.7	2.60
W589125		6.35	0.83	6.85	46.9	1360	1.67	0.77	3.23	2.56	52.3	5.1	11	13.75	4.9	2.28
W589126		8.33	9.37	6.62	235	40	1.54	7.44	1.37	4.09	18.10	87.7	7	15.85	135.0	10.35
W589127		6.73	3.12	7.50	65.5	800	1.52	1.46	1.96	14.10	48.6	14.9	10	10.45	27.1	2.86
W589128		10.25	3.01	7.64	30.0	1700	1.40	2.49	1.52	0.41	45.8	15.4	10	11.45	6.2	2.93
W589129		4.20	1.65	7.29	23.1	2020	1.48	1.31	1.62	0.29	49.9	16.7	10	12.40	7.5	2.97
W589130		6.79	1.59	6.95	168.0	1470	1.57	0.70	1.95	2.86	53.5	9.7	10	17.20	10.8	2.62
W589131		5.96	1.96	8.42	49.8	1300	1.85	2.10	2.44	4.16	40.5	12.3	6	16.85	3.3	6.03
W589132		9.79	0.25	7.38	11.0	2140	1.41	1.83	2.55	0.18	49.0	6.9	11	12.45	6.0	2.97
W589133		10.86	0.12	7.28	8.6	1910	1.65	0.31	2.61	0.17	48.0	7.9	11	12.00	7.9	2.81
W589134		0.26	13.35	6.63	1580	100	1.52	13.35	1.83	33.8	44.1	18.9	19	13.95	292	6.57
W589135		7.86	0.31	7.60	14.2	2160	1.60	0.36	2.60	0.16	47.4	7.2	10	13.75	8.3	3.00
W589136		2.66	8.00	6.66	1270	140	1.41	1.78	1.30	95.3	40.5	18.5	9	12.10	40.1	5.03
W589137		6.14	0.02	0.06	2.8	20	<0.05	0.03	19.95	0.14	1.08	0.7	<1	0.14	1.7	0.45
W589138		3.71	0.24	7.64	15.1	2700	1.26	0.26	0.50	0.68	67.0	10.4	17	6.17	24.6	3.80
W589139		6.97	0.82	7.96	23.4	3200	1.08	0.53	0.50	1.44	67.9	15.2	50	5.84	113.5	9.86
W589140		4.89	6.21	7.18	76.2	530	0.86	2.11	1.24	0.74	60.3	14.6	45	8.23	902	11.15
W589141		2.27	10.75	6.92	536	660	1.06	3.80	0.68	3.91	48.2	3.2	47	13.70	634	11.80
W589142		5.38	3.28	7.41	62.3	2010	1.35	0.75	1.24	0.93	64.6	6.4	12	11.35	209	3.85
W589143		2.65	0.75	6.75	286	620	1.30	0.82	2.43	1.04	46.4	26.4	7	20.1	5.7	3.48
W589144		11.89	0.15	6.86	16.6	2690	1.44	0.25	2.34	0.11	42.0	9.2	9	13.10	7.3	2.88
W589145		0.26	39.7	5.56	2400	90	1.05	34.6	1.57	45.4	34.1	17.0	22	9.85	1160	8.79
W589146		6.45	0.24	7.24	25.4	2050	1.45	0.17	2.16	0.19	41.9	7.6	10	14.00	12.1	2.94
W589147		4.14	0.55	7.01	82.6	1580	1.46	0.24	1.82	0.21	55.8	6.2	7	20.2	21.4	2.23
W589148		5.18	1.20	7.33	314	1680	1.52	0.18	1.59	0.28	75.2	6.1	7	18.15	23.6	2.42
W589149		2.52	2.53	5.36	1295	350	1.23	0.10	5.26	4.18	40.0	6.0	5	13.70	19.5	3.31
W589150		6.04	0.02	0.05	1.6	30	0.05	0.03	21.0	0.06	1.16	2.1	<1	0.13	3.7	0.47
W589151		5.09	1.02	6.90	102.5	1640	1.37	0.15	1.94	3.12	45.4	8.0	7	14.40	17.1	2.22
W589152		2.78	0.57	6.76	86.4	1800	1.51	0.18	2.46	1.65	48.8	6.6	7	21.9	4.7	2.18
W589153		7.44	0.27	7.62	24.2	2250	1.69	0.14	1.81	1.51	49.3	8.6	9	12.75	15.6	2.81
W589154		<0.02	0.28	7.58	22.1	2230	1.69	0.13	1.81	1.21	46.7	8.5	9	12.25	13.6	2.80
W589155		6.87	0.40	6.58	63.8	2800	1.42	0.20	2.94	0.28	46.2	11.5	9	13.50	3.2	3.01
W589156		3.68	0.29	7.58	40.9	2200	1.37	0.15	1.94	0.29	46.8	4.8	10	16.70	15.3	2.56
W589157		11.08	0.07	7.53	12.4	2220	2.37	0.09	2.15	0.13	43.6	5.9	11	13.50	18.1	2.80
W589158		1.50	9.29	6.56	1610	710	1.78	0.19	1.41	47.6	43.1	6.3	7	17.35	27.6	3.44



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162661

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
		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
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
W589123		16.40	0.11	1.2	0.053	2.75	21.4	116.0	0.79	1030	1.23	0.21	7.9	2.0	600
W589124		15.90	0.12	1.2	0.053	2.73	22.1	83.4	0.89	1140	0.72	0.06	7.6	2.0	560
W589125		15.85	0.14	1.2	0.063	3.02	27.2	52.3	0.92	1600	0.49	0.05	7.6	1.8	570
W589126		15.70	0.10	0.9	0.482	3.33	9.4	8.5	0.52	949	6.06	0.04	6.1	3.7	350
W589127		16.35	0.11	1.3	0.197	3.54	27.2	8.2	0.73	1900	0.71	0.04	7.6	1.9	550
W589128		16.05	0.11	1.4	0.079	3.07	25.4	27.6	0.62	967	5.22	0.26	7.8	2.2	590
W589129		16.45	0.12	1.4	0.079	2.94	26.5	28.7	0.59	940	3.92	0.33	8.0	2.2	590
W589130		15.10	0.13	1.2	0.090	2.92	30.6	57.6	0.73	1560	60.8	0.03	6.8	2.5	540
W589131		21.9	0.11	2.0	0.116	1.51	19.8	120.0	0.96	1980	0.70	0.17	6.5	3.6	1270
W589132		16.70	0.13	1.3	0.056	2.81	25.5	15.3	0.70	724	2.36	1.68	8.0	2.2	600
W589133		16.65	0.14	1.5	0.057	2.61	24.9	13.7	0.74	561	1.24	2.35	8.5	2.1	620
W589134		15.75	0.12	1.1	0.840	2.86	22.9	18.7	0.75	1820	9.20	0.13	6.6	12.0	540
W589135		16.45	0.13	1.5	0.048	2.87	24.7	15.4	0.79	690	1.04	2.16	8.2	2.1	610
W589136		14.80	0.10	1.2	0.436	3.22	21.0	10.1	0.51	1720	7.22	0.05	6.6	2.6	530
W589137		0.19	0.13	<0.1	<0.005	0.02	0.5	0.8	12.50	190	0.17	0.01	0.2	1.0	170
W589138		16.15	0.12	1.7	0.091	3.74	35.4	11.0	1.02	978	1.24	1.78	7.5	2.4	680
W589139		22.1	0.14	3.1	0.219	3.58	33.0	25.9	2.53	2910	3.24	0.35	6.1	4.3	1200
W589140		20.3	0.12	2.4	0.505	3.06	29.6	23.9	2.10	3500	2.23	0.04	5.3	3.7	1120
W589141		20.1	0.12	2.2	0.430	2.94	23.7	19.2	0.94	4850	12.45	0.02	5.1	3.6	1060
W589142		15.85	0.12	1.6	0.173	3.89	34.9	18.6	0.69	2000	5.32	0.43	8.0	2.3	600
W589143		13.20	0.13	1.2	0.160	3.26	25.8	19.7	0.68	1740	2.97	0.10	6.9	2.6	490
W589144		15.70	0.12	1.3	0.071	2.90	21.5	22.9	0.57	746	0.93	1.84	8.1	2.1	540
W589145		13.50	0.11	0.8	1.545	2.51	17.4	14.1	0.65	2240	16.70	0.06	4.7	13.6	440
W589146		16.15	0.12	1.1	0.055	2.94	21.3	36.9	0.60	700	1.95	1.63	7.8	2.1	590
W589147		15.65	0.09	1.6	0.067	3.69	31.7	24.3	0.60	1220	2.32	0.07	7.9	1.9	540
W589148		15.75	0.12	1.7	0.048	3.62	45.6	37.9	0.55	1840	3.02	0.05	7.7	1.9	500
W589149		12.55	0.08	0.9	0.036	2.35	23.6	27.0	1.36	8630	6.19	0.02	5.6	<0.2	380
W589150		0.25	<0.05	<0.1	<0.005	0.02	0.6	1.2	13.40	219	0.13	<0.01	0.1	<0.2	170
W589151		14.35	0.10	2.0	0.044	3.45	25.5	19.4	0.61	2360	2.28	0.04	8.1	1.2	410
W589152		14.35	0.09	1.3	0.044	2.75	29.1	44.6	0.78	2540	4.08	0.03	7.3	1.3	490
W589153		16.50	0.12	1.5	0.049	3.45	28.3	20.8	0.54	868	1.79	1.18	8.0	1.7	530
W589154		15.60	0.15	1.4	0.052	3.46	26.6	20.5	0.55	875	1.66	1.17	7.9	1.5	540
W589155		14.95	0.16	1.3	0.059	3.17	25.8	12.2	0.70	1860	2.28	1.01	7.5	1.3	510
W589156		16.05	0.15	1.4	0.065	3.78	25.7	57.1	0.52	1240	4.45	1.48	8.2	1.5	570
W589157		16.65	0.12	1.5	0.044	3.04	23.4	14.4	0.55	550	1.74	2.39	8.4	1.7	550
W589158		14.45	0.11	1.4	0.143	2.98	24.7	45.5	0.58	2370	3.12	0.15	7.1	2.6	500



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162661

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
W589123		111.0	<0.002	0.39	11.70	9.8	1	2.4	206	0.63	0.14	12.65	0.256	2.09	3.4	69
W589124		112.5	<0.002	0.35	9.29	9.5	<1	2.0	171.5	0.60	0.12	12.75	0.236	2.09	4.0	66
W589125		145.0	<0.002	0.63	8.26	10.0	1	2.5	130.5	0.61	0.33	12.95	0.240	2.83	8.3	63
W589126		204	0.002	>10.0	31.0	4.8	1	7.8	35.0	0.49	2.55	9.25	0.184	2.70	5.7	53
W589127		217	0.002	1.80	11.00	9.7	1	4.3	56.4	0.66	0.37	14.80	0.232	2.94	5.6	64
W589128		151.0	0.002	0.96	14.70	9.9	1	2.5	105.5	0.66	1.12	14.70	0.241	1.92	8.4	68
W589129		142.5	<0.002	1.05	12.35	10.5	1	2.7	117.5	0.68	0.70	14.60	0.239	1.93	6.9	66
W589130		176.5	0.010	0.94	78.2	9.6	1	2.4	105.0	0.55	0.23	13.65	0.214	3.59	344	64
W589131		78.3	<0.002	0.88	33.4	16.1	1	3.1	125.5	0.35	1.05	3.31	0.462	1.64	3.3	164
W589132		118.5	0.002	0.29	3.72	10.6	1	1.8	307	0.65	1.17	13.85	0.248	1.38	4.6	69
W589133		108.5	<0.002	0.23	2.03	10.3	1	1.7	355	0.72	0.10	14.65	0.247	1.16	4.7	66
W589134		163.5	0.002	4.64	64.2	9.2	2	8.3	97.4	0.53	1.57	11.80	0.205	2.59	5.5	62
W589135		119.0	<0.002	0.20	2.36	10.6	1	1.9	370	0.67	0.15	14.30	0.257	1.32	4.7	70
W589136		201	0.002	4.76	19.70	8.9	<1	5.2	46.5	0.53	0.31	12.55	0.207	2.88	4.4	61
W589137		1.0	<0.002	0.01	0.10	0.1	<1	<0.2	47.8	<0.05	<0.05	0.09	<0.005	<0.02	0.7	2
W589138		159.5	<0.002	0.03	5.59	10.7	<1	1.6	203	0.63	<0.05	13.95	0.277	1.86	2.8	85
W589139		157.0	<0.002	0.08	7.45	23.7	1	2.6	131.0	0.37	0.06	8.10	0.478	1.98	4.7	205
W589140		125.0	<0.002	1.86	17.40	20.7	1	2.4	81.1	0.33	0.26	7.01	0.444	1.85	3.8	179
W589141		169.5	0.002	2.68	62.3	20.8	<1	3.6	44.4	0.31	0.09	6.41	0.416	2.57	8.2	183
W589142		186.5	<0.002	0.38	30.9	10.4	1	2.1	110.0	0.66	0.05	15.00	0.248	2.60	3.7	71
W589143		177.0	<0.002	2.03	14.85	8.2	1	1.5	104.5	0.56	0.08	13.30	0.198	2.56	11.7	48
W589144		124.0	<0.002	0.42	5.14	9.7	<1	1.7	279	0.68	<0.05	12.65	0.225	1.70	4.2	61
W589145		141.5	0.003	7.58	99.6	7.6	1	10.4	61.8	0.37	0.77	9.21	0.158	2.10	5.2	54
W589146		121.0	<0.002	0.20	6.98	9.9	1	1.7	297	0.59	<0.05	11.50	0.245	1.64	6.7	65
W589147		153.5	<0.002	0.60	18.80	8.8	1	2.4	191.5	0.75	<0.05	14.55	0.218	2.71	6.6	58
W589148		157.0	<0.002	1.14	29.7	8.4	1	2.4	169.5	0.77	<0.05	19.30	0.206	2.78	5.6	53
W589149		131.5	<0.002	1.35	45.0	6.8	1	2.0	163.5	0.43	<0.05	8.59	0.160	2.19	7.2	43
W589150		0.9	<0.002	<0.01	0.09	0.2	2	<0.2	49.7	<0.05	<0.05	0.11	<0.005	0.04	0.6	2
W589151		157.0	<0.002	0.74	19.85	7.2	1	2.1	123.5	0.82	<0.05	18.25	0.183	2.63	5.3	47
W589152		143.5	<0.002	0.75	22.5	8.2	1	1.5	174.5	0.55	<0.05	11.60	0.206	2.22	11.3	53
W589153		152.0	<0.002	0.31	11.70	9.5	1	1.7	189.5	0.66	<0.05	13.20	0.227	1.97	2.9	59
W589154		147.5	<0.002	0.29	10.95	9.2	1	1.7	188.0	0.64	<0.05	12.70	0.233	2.06	2.7	60
W589155		153.0	<0.002	0.96	10.25	9.0	1	1.9	196.5	0.57	<0.05	11.85	0.219	2.24	4.4	58
W589156		155.0	<0.002	0.19	11.05	9.8	1	1.8	273	0.63	<0.05	12.40	0.251	2.08	2.8	65
W589157		119.5	<0.002	0.02	5.05	9.3	1	1.8	374	0.72	<0.05	11.40	0.236	1.34	2.6	61
W589158		153.5	<0.002	1.79	41.7	8.2	1	3.2	149.5	0.57	<0.05	10.75	0.205	2.27	34.5	55



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Page: 2 - D
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Plus Appendix Pages
Finalized Date: 15-SEP-2017
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CERTIFICATE OF ANALYSIS WH17162661

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W589123		2.3	14.4	56	34.8	0.007
W589124		2.2	15.1	60	33.3	0.006
W589125		1.8	15.0	170	33.7	0.013
W589126		4.1	7.1	425	24.5	0.401
W589127		3.4	12.7	949	35.0	0.027
W589128		3.0	15.1	72	37.1	0.033
W589129		3.0	15.8	55	36.8	0.025
W589130		7.0	22.7	282	39.0	0.024
W589131		6.8	17.2	486	78.5	0.012
W589132		69.0	17.5	47	36.6	0.005
W589133		1.4	17.5	48	40.0	<0.005
W589134		6.2	11.5	2410	30.2	0.868
W589135		1.4	17.7	46	38.7	0.017
W589136		4.6	9.1	7560	32.4	0.306
W589137		0.1	0.8	22	<0.5	0.005
W589138		2.5	12.9	123	50.8	0.027
W589139		8.6	22.7	282	113.5	0.029
W589140		24.7	18.1	236	89.1	2.58
W589141		49.0	17.2	571	81.8	1.455
W589142		9.7	14.3	185	45.6	0.156
W589143		1.8	14.1	118	36.4	0.072
W589144		1.7	15.2	42	35.4	0.006
W589145		7.1	9.0	3240	23.7	1.645
W589146		2.3	15.3	51	30.0	0.009
W589147		3.6	14.4	38	38.8	0.046
W589148		4.3	14.3	36	41.1	0.119
W589149		2.9	15.2	333	25.3	1.090
W589150		0.1	0.7	16	<0.5	<0.005
W589151		2.6	13.4	348	48.7	0.040
W589152		2.2	12.8	187	34.6	0.065
W589153		2.2	14.6	202	39.6	0.008
W589154		2.1	14.0	163	36.4	0.006
W589155		2.4	14.1	63	33.1	0.047
W589156		2.2	14.1	72	36.4	0.009
W589157		1.6	14.7	50	36.8	<0.005
W589158		7.2	13.0	3150	36.6	1.305



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 15-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162661

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE WH17162667

Project: Klaza

P.O. No.: 17-102

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162667

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588863		4.01	0.16	7.10	13.0	2340	1.16	0.38	4.09	0.39	45.2	7.3	11	16.10	17.3	2.38
W588864		4.04	0.42	7.00	31.6	1560	1.49	0.13	3.45	0.65	40.0	9.1	8	28.9	19.2	3.25
W588865		4.18	0.05	7.59	11.0	1870	1.40	0.07	2.63	0.07	38.6	7.0	10	20.4	7.4	3.07
W588866		4.10	0.32	7.44	39.1	1860	1.54	0.34	2.55	0.43	39.4	15.3	8	26.0	50.1	3.21
W588867		0.26	39.1	5.83	2640	80	1.21	31.5	1.68	45.9	35.4	17.3	23	9.22	1195	9.29
W588868		3.74	0.22	7.68	28.4	1850	1.74	0.49	1.81	0.20	40.1	6.3	9	21.1	25.1	3.50
W588869		6.17	0.41	6.37	42.4	2130	1.66	0.69	6.60	0.26	48.0	8.5	7	26.7	53.3	3.66
W588870		9.61	0.27	7.06	48.0	1350	1.34	0.25	5.67	0.30	45.6	11.8	8	22.5	14.3	2.94
W588871		<0.02	0.25	6.58	45.4	1330	1.51	0.25	5.38	0.22	42.3	12.3	7	21.4	14.5	2.89
W588872		6.80	0.32	7.32	18.6	1500	1.56	0.30	2.43	0.92	33.1	5.8	9	19.75	12.0	2.84
W588873		1.90	3.78	6.55	739	270	1.72	0.43	1.15	13.05	41.6	9.1	7	12.75	22.9	4.75
W588874		13.26	0.15	7.14	16.0	1670	1.58	0.35	2.98	0.14	36.7	7.6	11	27.4	10.4	2.95
W588875		2.30	0.27	7.20	21.1	1780	1.78	0.60	3.38	0.32	42.8	8.7	10	22.1	8.7	3.22
W588876		3.27	0.28	8.57	119.0	1730	1.90	0.13	0.88	2.98	54.2	8.1	11	15.95	10.7	3.29
W588877		3.72	0.28	8.22	79.9	2440	1.91	0.10	1.97	1.86	47.8	7.9	9	11.55	8.8	3.01
W588878		4.04	0.32	8.20	84.0	2540	1.81	0.12	1.89	2.07	50.6	8.2	9	12.50	8.1	3.10
W588879		7.02	0.44	8.79	317	1940	1.92	0.14	0.58	4.23	56.2	8.8	10	27.4	13.3	3.44
W588880		3.38	2.10	7.73	1685	1540	1.80	0.52	0.81	12.15	46.9	6.1	11	17.95	82.9	5.93
W588881		6.05	0.02	0.06	4.9	20	<0.05	0.02	20.7	0.10	1.12	2.4	1	0.19	4.8	0.49
W588882		4.84	0.50	7.89	920	2110	2.02	0.22	1.76	5.52	53.9	11.3	11	11.65	63.0	4.40
W588883		3.02	0.19	8.11	302	750	1.58	0.11	1.29	3.33	50.2	9.8	12	12.80	40.4	3.34
W588884		1.64	1.28	5.50	1150	730	1.18	0.17	5.75	3.81	37.5	7.5	6	14.05	29.0	4.01
W588885		5.03	1.58	7.17	425	870	1.34	0.24	1.61	7.78	41.9	7.4	11	17.90	126.0	4.65
W588886		9.29	0.10	7.49	8.6	1980	1.51	0.09	2.19	0.27	48.6	8.2	10	19.25	5.6	3.35
W588887		0.26	12.00	6.52	1585	150	1.54	11.55	1.83	32.7	45.5	17.7	19	13.15	281	6.50
W588888		2.63	1.52	7.88	42.0	690	2.03	4.32	2.27	3.51	51.0	8.6	9	16.05	44.2	4.26
W588889		5.73	4.97	7.49	778	470	1.71	3.39	1.65	19.75	48.0	8.8	9	13.90	109.5	5.33
W588890		5.54	1.09	7.76	351	1540	1.61	1.54	1.27	3.24	48.0	8.5	11	14.20	42.6	4.73
W588891		10.80	0.36	8.18	52.3	1650	1.53	0.37	1.31	1.33	62.5	11.2	11	15.65	14.8	3.43
W588892		2.24	5.98	6.61	404	260	1.64	2.21	0.77	36.8	41.8	9.3	9	16.60	93.4	4.53
W588893		5.90	0.01	0.06	0.5	30	0.05	0.06	21.2	0.07	1.22	0.8	1	0.16	3.6	0.49
W588894		3.95	1.08	7.65	162.0	1190	1.68	1.32	0.97	3.21	54.3	8.0	9	21.6	10.4	3.84
W588895		5.85	1.76	7.82	76.9	890	1.76	1.37	1.20	4.63	55.3	7.6	10	17.50	19.0	4.87
W588896		8.37	0.68	7.90	689	780	1.77	1.09	1.48	2.20	55.5	7.8	11	17.60	18.8	3.91
W588897		3.29	1.42	7.47	153.0	710	1.62	1.46	0.45	2.88	35.3	12.4	9	16.90	24.7	5.87
W588898		10.09	2.95	7.75	209	710	1.59	0.52	0.54	15.60	58.6	6.7	12	13.75	34.4	4.56



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162667

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
W588863		16.55	0.12	1.0	0.077	3.18	24.4	24.3	0.63	1400	0.49	0.12	8.1	1.6	640	20.3
W588864		16.25	0.10	1.0	0.066	2.52	20.5	47.8	1.09	2580	0.52	0.04	7.6	1.9	580	46.9
W588865		17.25	0.15	1.1	0.046	2.64	18.7	85.8	0.68	792	0.60	0.89	8.5	1.8	600	16.6
W588866		16.35	0.14	1.0	0.114	2.74	19.9	52.8	0.79	966	0.58	0.05	8.0	2.1	610	14.3
W588867		14.35	0.22	0.9	1.570	2.66	17.9	16.8	0.69	2370	18.95	0.06	4.6	14.2	460	1690
W588868		17.75	0.19	1.0	0.158	3.08	20.3	84.0	0.64	916	0.92	0.10	8.3	2.4	630	12.4
W588869		14.70	0.10	0.8	0.227	2.37	28.2	36.4	1.22	1710	0.47	0.04	6.6	0.4	510	21.6
W588870		15.75	0.12	1.0	0.092	2.57	25.9	47.0	0.87	1250	0.67	0.05	7.5	1.1	540	28.6
W588871		15.05	0.13	1.0	0.093	2.50	23.7	45.3	0.83	1220	0.63	0.05	7.5	1.2	530	28.3
W588872		16.00	0.09	1.2	0.082	2.34	15.9	83.7	0.69	880	0.45	0.12	8.1	1.5	580	39.4
W588873		14.35	0.19	1.0	0.222	2.78	24.1	17.1	0.52	3060	0.92	0.03	6.7	3.1	520	1005
W588874		17.05	0.11	1.1	0.041	2.53	17.8	62.9	0.66	745	0.50	0.59	8.2	1.9	590	23.1
W588875		16.45	0.17	1.1	0.045	2.65	21.6	22.3	0.90	930	0.59	1.44	8.5	2.0	620	39.1
W588876		18.55	0.16	1.4	0.036	2.94	30.5	16.4	0.33	677	0.94	2.11	8.0	3.0	690	19.8
W588877		17.70	0.15	1.2	0.038	2.61	26.7	17.2	0.63	628	0.60	2.39	7.3	2.6	620	16.8
W588878		18.00	0.20	1.2	0.034	2.67	28.7	17.5	0.62	650	0.57	2.36	7.6	2.8	630	17.3
W588879		18.90	0.17	1.4	0.051	2.85	32.7	54.1	0.33	1060	1.51	0.74	8.8	3.1	730	30.4
W588880		17.15	0.24	1.2	0.308	3.16	31.9	18.4	0.37	526	2.96	0.82	7.7	2.4	510	477
W588881		0.30	<0.05	<0.1	<0.005	0.02	0.6	1.5	13.15	211	0.12	0.01	0.1	<0.2	180	2.5
W588882		16.55	0.16	1.2	0.135	2.84	33.4	19.0	0.69	1520	1.78	1.72	7.6	2.6	630	36.1
W588883		16.00	0.15	1.2	0.058	1.95	29.0	59.5	0.46	1920	2.16	0.04	7.6	3.5	640	21.1
W588884		11.80	0.08	0.8	0.042	2.06	20.6	50.5	1.72	3720	4.69	0.03	5.1	1.1	420	80.4
W588885		15.55	0.20	1.0	0.117	3.24	23.0	26.5	0.89	2880	0.66	0.04	7.1	2.7	610	191.0
W588886		17.60	0.19	1.6	0.058	2.80	26.5	25.0	0.69	1060	0.74	1.11	8.6	2.2	630	19.7
W588887		15.15	0.10	1.0	0.766	2.85	23.5	21.7	0.75	1780	8.75	0.12	6.3	12.2	520	1295
W588888		17.05	0.12	1.3	0.116	3.08	26.4	18.3	0.77	3020	0.38	0.75	8.9	2.8	640	137.0
W588889		17.25	0.12	1.2	0.572	3.56	25.7	12.4	0.88	5030	2.06	0.03	7.8	2.7	570	948
W588890		16.55	0.10	1.4	0.326	3.17	26.3	36.4	0.80	1760	1.00	0.05	8.2	2.6	590	62.1
W588891		17.45	0.11	1.2	0.078	2.93	34.6	32.0	0.61	1600	1.31	0.45	8.8	2.9	660	94.3
W588892		14.95	0.10	1.0	0.422	3.07	22.4	16.5	0.40	2680	48.4	0.03	6.6	3.3	490	1330
W588893		0.21	<0.05	<0.1	0.005	0.03	0.6	1.3	13.20	208	0.14	<0.01	0.1	1.4	210	3.4
W588894		15.95	0.11	1.2	0.136	3.55	30.1	10.5	0.57	3300	6.77	0.02	8.2	2.5	620	190.5
W588895		17.40	0.11	1.3	0.219	3.72	30.8	10.5	0.74	3330	2.05	0.03	8.3	2.7	600	292
W588896		17.70	0.11	1.4	0.179	3.31	30.7	31.8	0.75	3020	0.80	0.04	8.3	2.8	600	87.6
W588897		18.95	0.08	1.2	0.309	3.49	17.8	28.4	0.57	3070	3.61	0.02	7.5	2.6	550	182.5
W588898		17.05	0.12	1.2	0.485	3.74	32.8	7.4	0.48	3320	0.77	0.02	8.0	2.7	590	698



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162667

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W588863		97.0	<0.002	0.10	5.00	10.1	2	2.1	188.0	0.62	<0.05	9.78	0.274	1.65	2.5	74
W588864		87.3	<0.002	0.21	9.65	9.9	1	1.7	153.5	0.61	<0.05	10.20	0.250	1.93	3.8	69
W588865		95.8	<0.002	0.03	6.59	11.3	1	1.7	253	0.66	<0.05	10.70	0.272	1.19	2.8	74
W588866		103.5	<0.002	0.31	21.6	10.2	1	2.8	128.0	0.61	<0.05	10.35	0.267	1.81	4.7	70
W588867		145.0	0.002	8.01	111.5	8.4	2	11.1	64.0	0.37	0.78	8.41	0.166	2.22	4.9	59
W588868		123.0	<0.002	0.37	15.65	11.5	1	2.0	120.5	0.62	<0.05	11.30	0.271	1.67	4.1	77
W588869		122.0	<0.002	0.85	19.50	9.8	1	2.1	251	0.53	<0.05	10.15	0.216	1.66	7.4	63
W588870		109.0	<0.002	0.29	8.24	9.5	1	2.3	221	0.63	<0.05	10.95	0.237	1.63	4.5	64
W588871		100.0	<0.002	0.27	8.52	9.4	1	2.1	210	0.65	<0.05	11.60	0.230	1.65	4.2	63
W588872		85.9	<0.002	0.17	14.55	10.0	1	2.0	146.0	0.73	<0.05	10.15	0.254	1.43	3.7	69
W588873		166.0	<0.002	3.55	23.3	8.6	1	2.9	63.8	0.56	<0.05	10.15	0.213	2.70	4.3	57
W588874		84.0	<0.002	0.09	6.31	10.2	1	2.1	221	0.66	<0.05	10.30	0.266	1.34	2.8	70
W588875		104.0	<0.002	0.11	2.81	10.9	1	2.0	299	0.75	<0.05	11.30	0.267	1.17	5.0	74
W588876		137.0	<0.002	<0.01	2.49	13.0	1	1.5	257	0.61	<0.05	13.55	0.278	1.31	2.3	84
W588877		104.5	<0.002	<0.01	1.45	11.8	1	1.4	398	0.55	<0.05	11.50	0.258	0.96	1.6	72
W588878		109.0	<0.002	<0.01	1.58	11.8	1	1.4	396	0.59	<0.05	12.00	0.267	1.05	1.7	74
W588879		125.0	<0.002	<0.01	15.95	13.7	2	2.1	155.0	0.67	<0.05	13.80	0.309	1.46	3.3	88
W588880		162.0	<0.002	0.05	30.6	13.6	2	3.1	167.0	0.56	<0.05	12.75	0.274	1.92	6.1	78
W588881		1.2	<0.002	<0.01	0.10	0.3	1	<0.2	49.3	<0.05	<0.05	0.12	<0.005	0.03	0.6	2
W588882		122.5	<0.002	0.02	11.95	12.2	1	2.0	302	0.58	<0.05	11.70	0.283	1.37	2.7	80
W588883		91.3	<0.002	0.11	48.3	10.7	1	2.0	61.0	0.55	<0.05	11.30	0.277	1.29	7.3	69
W588884		119.0	<0.002	0.34	56.0	9.5	1	1.5	90.5	0.35	<0.05	7.76	0.189	1.74	16.9	69
W588885		179.5	<0.002	0.48	46.8	10.8	1	2.6	61.5	0.50	<0.05	10.20	0.266	2.54	7.7	77
W588886		117.0	<0.002	0.02	13.55	11.8	1	1.8	231	0.69	<0.05	11.85	0.276	1.36	3.2	77
W588887		161.0	<0.002	4.59	63.8	8.9	2	7.8	91.0	0.49	1.27	11.05	0.202	2.58	5.4	62
W588888		161.0	<0.002	0.53	21.5	12.0	1	2.7	96.0	0.71	<0.05	15.65	0.291	2.11	6.9	79
W588889		195.5	<0.002	1.71	66.6	10.8	1	3.0	52.6	0.63	<0.05	12.30	0.256	2.51	5.9	75
W588890		167.0	<0.002	0.36	18.05	11.1	1	2.4	61.5	0.70	<0.05	14.20	0.265	2.08	5.3	72
W588891		141.5	<0.002	0.31	22.1	12.5	1	2.2	120.5	0.69	<0.05	15.45	0.292	1.62	4.4	79
W588892		170.0	0.010	3.34	86.8	9.6	1	3.4	22.5	0.51	<0.05	10.50	0.221	2.36	31.5	71
W588893		1.2	<0.002	<0.01	0.17	0.2	<1	<0.2	48.8	<0.05	<0.05	0.12	<0.005	0.02	0.6	2
W588894		199.0	<0.002	1.22	23.3	11.3	<1	2.3	21.5	0.65	<0.05	13.75	0.275	2.70	11.4	77
W588895		215	<0.002	0.69	14.70	11.3	1	2.3	39.4	0.71	<0.05	14.60	0.265	2.88	9.4	75
W588896		192.0	<0.002	0.53	13.35	11.2	1	3.2	89.3	0.71	<0.05	14.80	0.268	2.72	3.9	74
W588897		203	<0.002	2.00	13.40	10.9	1	4.4	44.9	0.56	<0.05	12.00	0.252	2.34	6.5	73
W588898		225	<0.002	2.30	14.35	11.3	1	5.4	16.2	0.61	<0.05	13.85	0.264	3.05	3.2	74



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Project: Klaza

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17162667

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588863		8.3	16.7	68	22.9	<0.005
W588864		2.9	14.8	101	22.7	<0.005
W588865		1.9	15.8	56	25.0	<0.005
W588866		3.8	14.5	82	22.0	0.008
W588867		7.5	8.9	3500	23.6	1.725
W588868		3.4	14.6	71	23.2	<0.005
W588869		3.9	19.8	65	19.2	0.010
W588870		5.1	16.7	71	23.3	0.006
W588871		5.0	15.9	63	22.3	0.005
W588872		2.7	14.7	100	25.6	0.006
W588873		4.4	8.9	1220	24.2	0.155
W588874		1.7	14.7	58	24.5	<0.005
W588875		1.8	17.2	85	23.2	<0.005
W588876		1.6	15.2	635	32.0	0.005
W588877		1.2	16.9	476	29.4	0.005
W588878		1.2	17.0	553	29.3	0.005
W588879		3.3	19.7	1210	33.2	0.010
W588880		3.6	20.9	1850	39.5	0.021
W588881		0.1	0.8	22	<0.5	<0.005
W588882		2.6	20.9	1220	33.4	0.007
W588883		9.1	14.9	638	32.6	<0.005
W588884		2.9	14.1	466	20.5	0.140
W588885		6.0	12.2	774	24.5	0.038
W588886		2.5	17.2	103	36.5	<0.005
W588887		5.6	10.9	2380	27.9	0.931
W588888		2.1	15.3	533	32.2	0.006
W588889		5.0	12.5	2390	29.2	0.339
W588890		2.6	15.0	501	31.1	0.091
W588891		4.6	16.8	292	30.6	0.011
W588892		4.7	9.2	3940	24.3	0.167
W588893		0.1	0.8	21	<0.5	<0.005
W588894		5.1	10.8	478	28.6	0.024
W588895		4.8	12.1	648	28.9	0.026
W588896		3.4	14.7	377	31.4	0.059
W588897		4.3	7.2	367	27.8	0.071
W588898		4.8	9.4	1860	28.6	0.031



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17162667

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

CERTIFICATE WH17162673

Project: Klaza

P.O. No.: 17-103

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162673

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR422 Au ppm	As-OG62 As %	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	0.05	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
W588899		7.43		1.070	11.20	6.36	>10000	170	1.24	7.24	0.28	16.25	37.8	16.3	11	13.55
W588900		2.55	18.25	12.05	49.0	4.25	>10000	100	0.74	77.5	0.12	21.3	30.5	8.3	10	5.49
W588901		6.07			4.22	7.47	1645	680	1.53	1.26	1.21	15.00	53.1	7.5	13	16.05
W588902		5.85			16.45	7.13	2810	640	1.57	6.87	1.24	30.1	47.9	9.1	12	15.75
W588903		<0.02			15.55	7.25	2670	690	1.62	6.02	1.29	28.0	47.6	9.2	11	16.20
W588904		9.49			14.95	7.26	514	210	1.48	16.15	0.55	50.7	49.4	6.1	15	21.2
W588905		3.51			1.02	7.53	3970	1230	1.93	0.25	1.96	6.95	54.8	8.7	12	18.15
W588906		10.12			4.91	7.48	1305	2140	1.77	0.48	2.43	4.40	55.2	8.6	13	13.60
W588907		0.27			11.70	6.53	1565	420	1.54	13.55	1.83	33.2	45.8	17.7	20	13.65
W588908		4.82			0.17	7.16	211	2060	1.69	0.16	2.65	0.21	49.0	7.3	12	14.85
W588909		9.14			8.48	7.01	3300	470	1.28	1.00	1.06	26.5	55.5	5.9	11	9.86
W588910		8.00			5.71	7.52	2430	1380	1.36	4.53	0.20	43.1	54.2	10.3	11	14.25
W588911		4.24			6.03	7.33	312	650	1.50	0.99	0.26	23.2	43.0	7.0	11	11.10
W588912		6.16			0.04	0.08	5.1	30	0.07	0.04	20.8	0.17	1.24	0.6	1	0.18
W588913		2.48			2.48	7.57	59.5	960	1.49	0.59	1.00	14.60	60.0	5.7	10	11.00
W588914		8.93			0.96	7.41	293	1390	1.59	0.29	2.38	5.33	52.5	8.8	11	14.20
W588915		12.27			0.49	7.49	32.4	1440	1.80	1.35	1.61	1.37	51.5	8.4	12	14.20
W588916		7.52			0.85	7.63	42.1	2580	1.91	2.10	0.73	1.06	56.0	7.6	11	15.85
W588917		10.18			0.25	7.61	47.0	640	1.97	0.13	2.53	0.77	80.1	10.3	36	30.0
W588918		7.41			0.38	7.89	71.1	560	2.00	0.22	1.94	1.06	81.5	10.1	34	31.2
W588919		0.26			40.9	5.80	2560	180	1.22	39.0	1.66	50.1	37.0	17.6	23	10.70
W588920		4.57			3.35	7.47	149.0	1460	1.60	3.58	0.40	23.5	55.0	11.8	11	14.40
W588921		8.22			1.26	7.52	46.3	1590	1.58	2.18	0.30	1.69	55.6	6.2	12	11.75
W588922		13.20			0.22	7.86	50.9	170	1.76	0.24	1.87	0.68	78.9	10.0	34	29.9
W588923		0.67			0.74	7.02	80.6	800	1.85	0.92	1.13	0.31	56.6	12.6	17	26.9
W588924		2.53			0.88	7.15	73.3	740	1.74	1.64	0.65	0.22	59.8	10.5	11	17.60
W588925		8.61			2.52	6.94	236	380	1.52	2.98	0.25	11.10	50.6	10.0	10	20.9
W588926		4.89			0.88	7.66	112.0	1330	1.75	0.46	0.79	4.13	50.6	7.1	11	23.9
W588927		4.18			2.29	7.55	259	1210	1.35	2.77	0.26	7.56	47.7	6.6	12	17.15
W588928		4.74			1.71	6.47	229	1020	1.67	0.97	0.16	10.85	38.8	15.7	11	17.65
W588929		6.02			0.02	0.08	1.9	20	0.06	0.03	19.95	0.09	1.09	0.6	1	0.15
W588930		7.02			0.13	7.21	10.0	2060	1.44	0.11	2.14	1.18	45.7	7.0	10	17.75
W588931		4.60			0.08	7.06	5.9	2210	1.54	0.09	3.41	0.12	53.1	8.0	14	28.9
W588932		4.78			1.51	7.18	165.5	2190	1.44	0.17	2.30	8.16	50.5	8.5	10	33.4
W588933		4.05			1.16	7.51	108.5	730	1.45	1.77	1.20	8.14	48.3	8.1	10	15.75
W588934		3.87			0.91	7.70	740	760	1.60	0.62	2.09	1.37	56.4	8.7	12	29.0



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162673

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
W588899		144.0	7.26	17.00	0.05	1.0	0.394	2.96	18.8	9.6	0.21	445	9.69	0.02	6.0	2.7
W588900		1025	14.30	12.20	0.05	0.6	0.531	2.04	15.4	6.6	0.11	185	87.9	0.02	3.8	3.2
W588901		44.9	4.27	14.75	0.06	1.1	0.150	3.26	28.9	26.8	0.58	3510	2.97	0.02	7.4	2.9
W588902		132.5	4.80	15.35	0.05	1.0	0.397	2.83	25.2	32.5	0.57	4140	10.05	0.02	6.6	2.6
W588903		122.0	4.86	15.70	0.05	1.0	0.365	2.87	25.6	33.6	0.58	4290	10.15	0.02	7.3	2.7
W588904		90.6	4.27	16.70	0.06	1.1	0.791	3.53	24.3	7.7	0.32	1360	14.60	0.05	7.5	2.5
W588905		12.9	3.35	15.25	0.06	1.1	0.049	3.88	29.3	14.3	0.70	5540	0.65	0.06	7.8	2.9
W588906		149.0	3.54	15.15	0.07	1.1	0.057	2.95	30.1	18.6	0.76	2170	6.88	1.41	7.8	2.9
W588907		285	6.43	13.80	0.06	1.0	0.828	2.87	24.0	20.7	0.75	1840	8.22	0.12	6.0	11.4
W588908		7.2	2.95	14.80	0.07	1.1	0.030	2.82	25.5	46.0	0.66	1190	0.39	1.51	7.8	2.5
W588909		684	4.85	14.00	0.06	1.0	0.237	3.28	29.8	10.9	0.47	10350	2.29	0.02	7.1	2.7
W588910		37.8	3.36	16.70	0.05	1.1	0.244	3.59	29.4	6.9	0.29	3330	0.90	0.06	7.8	3.3
W588911		89.2	4.12	15.05	0.05	1.0	0.235	3.47	22.7	9.4	0.27	4180	0.39	0.05	7.3	2.6
W588912		1.8	0.50	0.23	0.11	<0.1	<0.005	0.04	0.6	1.3	12.90	226	<0.05	<0.01	0.2	1.5
W588913		34.5	3.48	16.50	0.08	1.3	1.150	3.59	33.3	6.5	0.67	3430	0.26	0.04	7.7	2.1
W588914		9.6	3.36	15.50	0.07	1.1	0.058	3.40	29.1	10.3	0.81	4140	0.16	0.05	7.4	2.7
W588915		5.8	3.20	15.60	0.07	1.3	0.077	3.44	27.6	18.4	0.51	2480	0.23	0.06	8.0	2.5
W588916		11.2	3.02	17.85	0.07	1.4	0.105	3.59	30.6	7.7	0.50	2260	0.41	0.07	8.5	2.5
W588917		18.5	3.43	19.90	0.08	4.5	0.037	2.15	40.1	72.2	1.22	1100	0.72	0.04	12.6	12.9
W588918		34.7	3.27	17.90	0.08	4.3	0.042	1.79	42.2	89.3	1.28	1230	1.43	0.04	11.9	12.0
W588919		1220	9.25	13.40	0.05	0.8	1.740	2.67	18.8	17.0	0.68	2420	16.95	0.06	4.7	14.3
W588920		47.2	4.15	16.30	0.06	1.1	0.396	3.46	30.1	11.2	0.44	2180	1.67	0.06	7.5	5.1
W588921		45.7	3.58	16.40	0.06	1.1	0.122	3.54	30.1	8.9	0.42	2800	0.39	0.06	8.0	2.4
W588922		21.0	3.31	18.05	0.08	4.2	0.039	1.99	40.9	95.3	1.17	1510	0.84	0.04	11.8	11.9
W588923		37.5	3.10	14.95	0.06	2.5	0.074	2.39	29.2	65.6	0.76	1510	5.04	0.03	8.6	8.0
W588924		8.0	3.23	14.70	0.06	1.2	0.082	3.12	31.4	26.3	0.62	2050	3.33	0.03	8.0	5.7
W588925		36.6	4.28	16.50	0.05	0.9	0.328	3.28	26.7	10.3	0.26	2930	17.00	0.04	6.2	3.0
W588926		14.1	3.93	15.65	0.06	1.0	0.182	3.24	27.4	25.3	0.52	3810	26.6	0.03	7.9	2.9
W588927		25.6	4.74	16.15	0.06	0.9	0.466	3.52	25.3	6.0	0.34	4420	0.88	0.08	7.3	2.7
W588928		85.9	3.28	13.15	0.06	1.0	0.245	2.36	22.3	37.1	0.14	2870	6.18	0.05	6.9	6.7
W588929		1.6	0.47	0.21	0.11	<0.1	<0.005	0.03	0.5	1.0	12.45	221	0.18	<0.01	0.1	1.4
W588930		7.8	2.87	16.50	0.09	1.3	0.042	2.53	23.9	27.9	0.50	746	1.23	1.24	8.3	3.4
W588931		8.9	2.94	15.75	0.10	1.2	0.038	2.46	27.4	12.6	0.56	729	1.03	1.96	7.9	2.7
W588932		15.5	3.59	15.40	0.10	1.1	0.119	2.71	27.5	20.7	0.38	1740	1.26	0.71	7.3	2.9
W588933		14.4	4.45	16.15	0.08	1.2	0.192	3.39	25.3	10.8	0.68	3840	1.52	0.03	7.7	2.8
W588934		41.2	2.95	16.85	0.07	1.4	0.057	2.48	29.9	46.0	0.83	1800	1.42	0.04	8.3	3.4



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162673

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
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
W588899		480	520	154.5	<0.002	7.01	71.2	9.2	<1	10.5	20.6	0.55	0.12	12.75	0.216	1.88
W588900		230	4600	103.0	<0.002	>10.0	510	5.7	1	9.7	9.4	0.34	1.94	7.65	0.134	1.57
W588901		570	640	177.5	<0.002	2.27	27.3	10.3	<1	3.3	52.9	0.60	<0.05	14.10	0.253	2.63
W588902		560	926	159.0	<0.002	3.00	86.8	10.3	1	3.9	73.6	0.54	0.11	13.05	0.248	2.46
W588903		580	874	160.0	<0.002	2.89	85.4	10.7	1	3.9	77.0	0.55	0.10	12.70	0.255	2.44
W588904		570	1955	197.0	0.002	3.87	58.9	11.1	1	6.6	33.0	0.61	<0.05	13.40	0.254	2.81
W588905		630	277	204	<0.002	0.83	28.7	11.2	1	1.6	98.6	0.63	<0.05	14.70	0.267	3.13
W588906		620	863	129.5	<0.002	0.43	70.8	11.7	1	2.0	285	0.62	<0.05	14.85	0.264	1.60
W588907		520	1305	157.5	0.002	4.67	65.7	8.6	2	7.7	97.2	0.52	1.24	11.85	0.208	2.60
W588908		610	24.9	113.0	<0.002	0.06	6.65	11.9	1	1.5	300	0.63	<0.05	14.35	0.265	1.38
W588909		570	1095	233	<0.002	4.03	200	10.3	<1	5.0	42.1	0.56	<0.05	13.00	0.244	3.44
W588910		580	1720	192.5	<0.002	2.11	53.0	10.8	<1	4.8	42.1	0.61	0.06	13.25	0.266	2.87
W588911		600	828	191.5	<0.002	3.05	46.0	11.5	<1	3.8	56.2	0.56	<0.05	12.10	0.264	2.61
W588912		200	7.3	1.6	<0.002	0.01	0.30	0.2	<1	0.2	51.1	<0.05	<0.05	0.16	<0.005	0.02
W588913		610	648	212	<0.002	0.60	14.40	11.4	<1	2.8	70.5	0.65	<0.05	15.20	0.257	2.56
W588914		560	270	179.5	<0.002	0.60	10.55	10.1	<1	2.5	91.7	0.60	<0.05	14.80	0.241	2.61
W588915		580	58.3	187.0	<0.002	0.31	6.67	10.5	1	2.0	87.1	0.69	<0.05	15.55	0.255	2.66
W588916		610	71.4	196.0	<0.002	0.33	7.64	12.6	<1	2.9	68.8	0.73	<0.05	16.75	0.264	2.40
W588917		1890	26.3	79.5	<0.002	0.03	28.8	8.4	1	1.5	762	0.81	<0.05	9.26	0.461	1.76
W588918		1800	46.2	74.2	<0.002	0.07	35.4	8.3	1	1.7	615	0.77	<0.05	9.82	0.439	1.56
W588919		460	1705	146.0	0.002	8.07	106.0	8.2	1	10.9	66.6	0.40	0.76	9.99	0.170	2.28
W588920		600	633	193.0	<0.002	1.79	21.3	10.2	<1	4.2	69.7	0.56	<0.05	14.45	0.257	2.66
W588921		630	103.5	199.0	<0.002	0.43	16.05	12.1	<1	2.5	49.8	0.62	<0.05	15.70	0.270	2.59
W588922		1730	30.2	87.3	<0.002	0.09	34.9	8.5	1	1.6	499	0.74	<0.05	9.50	0.433	1.60
W588923		1030	43.3	135.0	<0.002	0.25	28.7	9.6	1	3.0	339	0.57	<0.05	11.70	0.304	1.82
W588924		730	73.8	184.0	<0.002	0.27	22.0	11.2	<1	1.7	97.9	0.55	<0.05	11.95	0.275	2.40
W588925		520	423	180.0	0.003	3.39	32.9	10.7	<1	4.9	39.8	0.48	<0.05	11.15	0.224	2.49
W588926		640	196.5	186.0	0.004	0.79	19.20	13.2	1	2.5	66.0	0.60	<0.05	12.40	0.274	2.53
W588927		570	244	194.0	<0.002	1.91	18.60	12.5	1	3.7	46.5	0.56	<0.05	11.75	0.259	2.60
W588928		520	378	129.0	<0.002	0.07	84.4	8.9	<1	2.6	48.6	0.50	<0.05	11.55	0.232	1.77
W588929		180	2.6	1.3	<0.002	<0.01	0.32	0.2	<1	<0.2	46.6	<0.05	<0.05	0.10	<0.005	0.02
W588930		610	22.6	99.0	<0.002	0.01	8.81	10.5	<1	1.6	230	0.72	<0.05	12.65	0.271	1.08
W588931		600	18.6	100.0	0.002	0.01	3.04	10.4	<1	1.9	344	0.68	<0.05	14.30	0.264	1.05
W588932		580	316	114.5	<0.002	0.12	17.55	9.8	1	2.1	160.5	0.61	<0.05	13.90	0.254	1.66
W588933		600	165.0	184.0	0.002	1.53	12.25	10.3	<1	4.1	44.9	0.65	<0.05	13.95	0.257	2.60
W588934		720	123.5	121.0	0.002	0.33	21.2	10.9	<1	5.7	180.5	0.66	<0.05	13.75	0.285	2.63



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162673

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	Au-AA24 Au ppm 0.005
W588899		3.2	61	6.1	6.9	1730	25.8	1.510
W588900		2.7	43	2.6	5.4	1890	14.7	>10.0
W588901		5.7	70	5.7	12.3	1620	28.2	0.270
W588902		4.9	72	4.4	11.4	3300	25.3	0.868
W588903		4.8	73	4.5	11.8	3070	26.2	0.773
W588904		10.2	73	7.6	9.9	5530	28.7	0.460
W588905		10.7	76	3.2	17.9	1440	28.1	0.783
W588906		5.7	76	2.6	18.2	591	28.6	0.085
W588907		5.7	61	5.6	12.0	2450	30.2	0.864
W588908		4.0	73	1.4	17.9	130	27.6	0.058
W588909		25.4	69	7.7	10.6	2280	25.5	0.552
W588910		5.6	74	6.1	7.5	4190	27.4	0.130
W588911		2.2	70	6.9	7.2	2640	27.2	0.102
W588912		1.4	3	0.1	0.8	28	<0.5	<0.005
W588913		3.2	76	1.9	9.8	1600	33.9	0.016
W588914		3.3	67	1.5	13.6	576	34.7	0.020
W588915		3.5	72	2.2	12.7	246	37.1	0.008
W588916		3.1	77	5.2	10.8	187	36.4	0.006
W588917		3.5	88	1.9	14.7	162	187.5	<0.005
W588918		3.4	82	2.3	15.8	194	183.5	0.006
W588919		6.4	57	7.3	10.4	3540	24.8	1.615
W588920		3.6	75	5.5	8.6	2840	30.4	0.072
W588921		3.8	68	3.5	8.0	270	31.0	0.017
W588922		10.4	84	2.8	16.2	141	180.5	0.009
W588923		37.8	79	4.0	13.4	75	90.2	0.022
W588924		5.3	78	5.6	10.3	57	38.1	0.021
W588925		6.8	83	6.3	8.0	1190	24.2	0.143
W588926		10.3	81	9.1	14.3	506	26.5	0.016
W588927		8.8	75	6.0	8.9	860	25.0	0.061
W588928		8.1	62	9.5	13.6	1420	27.3	0.042
W588929		0.7	3	0.1	0.8	21	<0.5	<0.005
W588930		2.2	75	2.9	17.5	203	34.4	<0.005
W588931		2.3	74	1.9	17.9	59	32.7	<0.005
W588932		4.0	73	4.7	17.1	881	30.1	0.012
W588933		4.9	73	4.3	11.7	1260	32.7	0.019
W588934		3.4	77	3.6	15.7	508	40.7	0.109



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 15-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17162673

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	As-OG62	Au-AA24	Au-GRA22	ME-MS61
	ME-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 11-AUG-2017
This copy reported on
16-AUG-2017
Account: ROCKHA

CERTIFICATE WH17166119

Project: ROCKHA_WH17133894

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS

To: ROCKHAVEN 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-analysis results for samples originally reported on certificate WH17133894**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 11-AUG-2017
Account: ROCKHA

Project: ROCKHA_WH17133894

CERTIFICATE OF ANALYSIS WH17166119

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
		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
		ppm	%	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	0.05
V340251		0.20	7.46	16.3	2480	1.57	1.01	3.09	0.22	45.5	6.5	8	10.35	16.1	3.01	17.70
V340252		0.08	7.73	8.0	2300	1.80	0.30	1.86	0.21	43.8	6.7	9	10.75	5.2	2.84	16.55
V340253		0.18	7.61	15.1	1790	1.97	0.48	2.49	0.18	35.9	7.7	9	12.65	10.6	2.83	18.45
V340323		0.41	6.99	26.2	3880	1.59	0.38	3.75	0.45	44.3	7.6	8	13.20	30.5	3.04	14.95
V340324		0.03	0.08	0.2	40	0.05	0.06	20.8	0.10	1.50	0.8	1	0.18	3.5	0.47	0.25
V340256		40.4	5.60	2530	160	1.14	35.3	1.65	44.8	32.2	17.4	22	10.35	1175	8.91	13.70
V340257		0.24	7.38	10.8	2410	1.63	0.48	1.98	0.38	43.3	6.6	10	9.18	20.3	2.79	15.85
V340258		0.13	7.65	6.7	2250	1.69	0.38	2.17	0.24	48.1	6.8	9	9.03	11.3	2.82	16.05
V340259		0.17	6.67	6.6	4020	1.59	0.61	2.93	0.32	40.2	6.8	9	10.10	10.1	2.79	15.25
V340260		1.76	2.70	7.0	2010	0.49	3.52	3.01	0.53	17.55	2.1	10	4.06	32.4	1.26	6.83
V340261		0.31	8.60	9.7	3290	2.07	1.33	2.89	0.27	47.2	8.7	10	20.9	15.7	3.61	21.1
V340262		0.09	7.37	6.6	2910	1.75	0.19	2.68	0.18	50.2	7.2	9	10.35	20.3	2.74	15.40
V340263		0.10	7.26	4.8	2770	1.77	0.54	2.76	0.26	44.1	7.1	8	12.00	16.2	3.00	16.35
V340264		0.16	7.14	8.5	1380	1.57	0.16	2.07	0.51	46.3	6.6	9	8.62	47.5	2.73	14.90
V340265		0.38	6.31	14.4	4830	1.42	0.36	4.62	1.20	46.0	7.0	7	12.70	67.1	3.02	13.75
V340266		0.29	7.42	6.2	1740	1.71	0.55	2.67	1.93	46.9	7.1	10	10.00	14.9	2.74	15.30
V340267		0.05	7.62	4.3	2100	1.79	0.18	2.11	0.19	57.8	6.8	10	8.29	3.5	2.67	15.55
V340268		0.01	0.07	0.3	30	0.05	0.02	21.7	0.06	1.15	0.7	2	0.15	2.0	0.47	0.25
V340269		0.18	6.93	6.7	2640	1.61	0.30	3.09	0.39	39.5	7.0	9	15.65	22.9	2.83	14.60
V340270		0.05	7.65	4.9	2160	1.74	0.12	2.40	0.16	48.4	7.3	9	10.30	4.3	2.87	16.40
V340271		0.13	7.77	6.7	2330	1.87	1.03	2.62	0.29	48.5	7.5	9	12.25	12.7	3.37	17.15
V340272		0.27	7.80	6.3	3220	1.85	1.67	2.47	0.36	41.9	8.1	8	15.05	41.8	3.88	18.95
V340273		0.06	7.58	5.4	1930	1.72	0.34	2.60	0.23	44.8	7.6	11	10.80	2.7	3.08	16.80
V340274		0.04	7.30	4.9	1530	1.67	0.10	2.68	0.18	40.3	6.6	8	11.85	2.1	2.76	15.70
V340275		0.86	7.00	18.7	2720	1.84	1.47	2.76	2.84	41.5	7.8	8	19.25	49.1	3.24	16.00
V340276		0.50	6.75	13.4	3100	1.48	0.04	4.92	0.24	44.2	6.8	7	17.55	2.8	2.93	13.90
V340277		0.09	7.22	13.6	1420	1.71	0.06	2.88	0.31	46.3	7.3	8	20.0	2.7	2.75	15.80
V340278		0.05	7.65	6.6	2280	1.63	0.04	2.48	0.10	43.1	7.0	9	12.50	2.9	2.80	16.25
V340279		0.06	7.39	9.2	2120	1.67	0.05	2.67	0.09	37.7	6.9	11	14.80	6.4	2.69	16.25
V340280		0.05	6.76	9.6	1310	1.69	0.06	3.25	0.14	45.7	6.7	8	18.65	6.8	2.47	14.55
V340281		0.01	0.09	<0.2	60	0.06	0.02	20.4	0.06	1.55	0.7	1	0.22	2.4	0.46	0.28
V340282		9.71	6.74	1835	970	1.49	6.18	1.93	40.9	45.8	17.3	22	17.35	109.0	5.25	14.60
V340283		0.15	5.77	15.0	7900	1.27	0.08	3.96	0.39	39.6	6.6	6	11.40	4.7	2.45	11.05
V340284		0.07	7.72	9.3	2280	1.71	0.05	2.08	0.10	53.6	7.2	10	12.40	4.3	2.81	16.25
V340285		0.07	7.79	9.3	2270	1.76	0.05	2.22	0.12	51.9	7.3	10	11.50	5.1	2.81	16.45
V340286		0.06	7.70	8.7	2380	1.82	0.05	2.45	0.10	54.4	7.6	10	9.12	4.7	2.86	16.30

Comments: **Re-analysis results for samples originally reported on certificate WH17133894**

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



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 11-AUG-2017
Account: ROCKHA

Project: ROCKHA_WH17133894

CERTIFICATE OF ANALYSIS WH17166119

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
V340251		0.07	1.3	0.095	2.07	23.8	11.2	0.50	1100	0.55	2.57	8.3	2.4	560	29.2	87.0
V340252		0.08	1.5	0.043	2.75	21.8	21.4	0.33	724	0.81	2.20	9.4	2.4	630	28.0	105.0
V340253		0.08	1.6	0.055	2.43	17.3	27.9	0.58	1100	0.89	2.14	9.4	2.7	610	25.7	86.9
V340323		0.08	1.2	0.039	2.40	23.2	20.6	0.87	1680	0.54	1.46	7.8	2.3	520	44.4	103.0
V340324		0.09	<0.1	0.006	0.03	0.7	1.0	12.75	208	0.18	0.01	0.1	1.2	350	2.4	1.3
V340256		0.06	0.8	1.545	2.59	16.7	14.3	0.66	2260	16.65	0.06	4.6	13.2	440	1660	140.0
V340257		0.07	1.3	0.039	2.79	22.0	19.0	0.37	786	1.24	1.86	8.4	2.0	570	36.6	101.5
V340258		0.08	1.3	0.037	3.05	24.8	11.4	0.51	731	0.74	2.20	8.6	2.0	590	31.8	115.0
V340259		0.08	1.3	0.035	2.66	20.1	16.1	0.52	936	1.26	1.55	8.2	2.0	540	30.7	93.0
V340260		<0.05	0.5	0.018	1.27	9.8	4.9	0.22	801	0.77	0.07	2.3	0.9	160	60.3	62.2
V340261		0.08	2.0	0.123	3.07	23.6	45.4	0.87	2000	0.33	1.47	9.6	3.0	630	24.0	125.5
V340262		0.09	2.1	0.032	2.34	26.6	40.3	0.71	1020	0.49	1.51	9.0	3.1	580	22.0	95.5
V340263		0.09	1.6	0.051	2.52	22.4	15.9	0.62	1120	0.41	1.87	8.9	2.2	550	22.9	98.8
V340264		0.08	1.5	0.036	2.20	23.7	31.1	0.57	868	0.44	0.97	8.6	2.3	600	46.8	81.4
V340265		0.08	1.4	0.030	2.13	24.9	30.2	0.83	1440	1.18	0.75	6.9	2.2	520	54.6	80.1
V340266		0.08	1.9	0.034	2.44	24.6	19.1	0.67	943	0.32	1.83	8.3	2.9	590	70.2	93.1
V340267		0.10	1.6	0.037	2.79	30.7	12.0	0.74	794	0.28	2.59	9.0	2.1	550	23.7	98.2
V340268		0.12	<0.1	<0.005	0.03	0.6	1.0	13.35	215	0.05	0.01	0.1	1.0	180	1.5	1.3
V340269		0.09	1.5	0.035	2.56	19.8	10.9	0.63	1020	0.79	1.83	8.2	2.3	590	28.6	89.7
V340270		0.10	1.5	0.038	2.71	24.7	14.1	0.71	779	0.51	2.34	9.3	2.2	590	27.0	97.0
V340271		0.10	1.5	0.075	2.40	24.7	16.1	0.81	1420	0.30	2.34	9.5	2.2	610	29.6	95.4
V340272		0.09	1.2	0.091	2.27	20.4	20.9	0.88	1940	0.28	2.01	8.7	2.1	610	32.4	92.1
V340273		0.09	1.4	0.041	2.43	22.5	14.2	0.73	1170	0.31	2.21	9.0	2.5	620	27.8	83.3
V340274		0.09	1.2	0.036	2.53	20.2	27.5	0.58	1260	0.26	1.58	8.2	2.1	590	25.5	92.8
V340275		0.09	1.3	0.054	2.73	20.9	17.6	0.78	2430	0.26	1.26	8.7	2.3	560	65.3	108.0
V340276		0.09	1.1	0.031	2.61	24.6	17.1	1.13	1050	3.96	0.41	6.5	1.9	490	26.7	106.0
V340277		0.10	1.5	0.033	3.02	23.9	10.0	0.70	1100	0.60	0.84	8.6	2.2	570	23.1	123.5
V340278		0.10	1.3	0.032	2.93	22.2	11.1	0.68	663	0.51	2.29	8.5	2.3	570	18.0	112.5
V340279		0.10	1.4	0.036	2.88	18.8	24.4	0.60	670	0.53	2.07	8.8	2.1	570	19.8	104.0
V340280		0.10	1.4	0.032	2.50	23.8	43.3	0.84	762	0.69	0.14	8.4	1.9	540	15.2	89.3
V340281		0.10	<0.1	0.005	0.03	0.8	1.1	12.75	202	0.08	0.01	0.2	1.0	180	1.3	1.4
V340282		0.07	1.3	0.917	2.92	24.3	23.6	0.71	2010	11.85	0.26	7.4	14.1	510	1370	160.5
V340283		0.06	1.1	0.026	1.47	21.8	76.1	1.12	883	0.48	0.09	5.6	2.9	420	139.0	67.7
V340284		0.11	1.4	0.038	2.71	27.9	26.7	0.67	682	1.29	2.51	8.6	2.7	580	20.5	113.0
V340285		0.10	1.3	0.038	2.71	26.9	25.7	0.72	704	1.23	2.61	8.5	2.6	590	19.9	112.5
V340286		0.11	1.3	0.036	2.64	28.2	24.7	0.74	702	1.52	2.51	9.0	3.0	600	18.5	110.5

Comments: **Re-analysis results for samples originally reported on certificate WH17133894**

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



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 11-AUG-2017
Account: ROCKHA

Project: ROCKHA_WH17133894

CERTIFICATE OF ANALYSIS WH17166119

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 0.01	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
V340251		<0.002	0.05	10.45	9.4	1	1.6	214	0.64	<0.05	12.85	0.237	1.12	2.8	72	1.1
V340252		<0.002	0.02	7.80	11.4	1	1.8	216	0.71	<0.05	12.95	0.262	1.18	2.5	73	1.0
V340253		<0.002	0.21	12.80	10.5	1	2.0	240	0.75	<0.05	12.40	0.254	1.39	3.8	76	1.4
V340323		<0.002	0.84	27.2	9.6	1	2.0	217	0.60	<0.05	11.90	0.216	1.62	5.2	63	1.5
V340324		<0.002	<0.01	0.25	0.2	1	<0.2	52.1	<0.05	<0.05	0.16	<0.005	<0.02	0.6	2	0.1
V340256		0.002	7.57	101.5	7.6	2	10.3	62.4	0.37	0.69	8.68	0.152	2.14	5.2	56	6.7
V340257		<0.002	0.03	9.32	9.2	1	1.6	230	0.65	<0.05	12.40	0.239	1.13	2.2	67	1.4
V340258		<0.002	0.01	5.53	9.7	1	1.6	279	0.65	<0.05	14.00	0.245	1.13	2.3	67	0.9
V340259		<0.002	0.08	7.22	8.7	1	1.4	238	0.62	<0.05	11.55	0.227	1.08	4.0	64	1.0
V340260		<0.002	0.04	14.30	3.2	1	0.6	83.8	0.19	0.11	4.40	0.072	0.61	4.9	34	0.5
V340261		<0.002	0.06	16.60	9.7	1	2.1	228	0.75	<0.05	13.95	0.254	1.82	5.7	83	2.2
V340262		<0.002	0.05	10.30	9.0	1	2.2	256	0.73	<0.05	14.10	0.234	1.02	3.8	59	1.5
V340263		<0.002	0.05	6.69	9.2	1	1.5	235	0.74	<0.05	13.35	0.231	1.13	4.0	66	1.3
V340264		<0.002	0.04	20.1	10.0	1	1.5	144.5	0.64	<0.05	11.70	0.244	1.02	9.3	63	1.1
V340265		<0.002	0.13	36.0	8.4	1	1.4	238	0.56	<0.05	11.45	0.209	1.07	9.2	68	1.1
V340266		<0.002	0.02	8.36	8.9	1	1.4	265	0.63	<0.05	12.45	0.232	0.98	3.3	62	1.0
V340267		<0.002	0.02	5.76	9.4	1	1.5	278	0.77	<0.05	15.40	0.227	1.00	3.1	61	0.9
V340268		<0.002	<0.01	0.07	0.2	1	<0.2	47.7	<0.05	<0.05	0.11	<0.005	<0.02	0.6	2	0.1
V340269		<0.002	0.04	14.35	8.4	1	2.0	279	0.59	<0.05	10.55	0.233	1.04	2.3	63	1.4
V340270		<0.002	0.01	6.08	10.2	1	1.6	398	0.73	<0.05	13.60	0.246	0.98	2.6	66	1.0
V340271		<0.002	0.02	9.16	10.9	1	1.6	331	0.86	<0.05	13.75	0.254	1.07	3.7	72	1.8
V340272		<0.002	0.05	10.20	10.9	1	1.7	317	0.63	<0.05	9.95	0.248	1.21	2.6	77	3.2
V340273		<0.002	0.01	5.34	10.8	1	1.6	330	0.67	<0.05	11.90	0.255	0.98	2.5	70	0.8
V340274		<0.002	0.02	5.32	9.5	1	1.5	274	0.59	<0.05	10.30	0.243	1.16	2.1	68	0.5
V340275		<0.002	0.14	31.0	9.7	1	1.7	252	0.65	<0.05	11.15	0.237	1.47	10.5	68	2.0
V340276		<0.002	0.43	8.75	8.5	1	1.3	356	0.50	<0.05	11.75	0.207	1.05	10.3	57	1.5
V340277		<0.002	0.25	11.65	10.2	1	1.5	295	0.66	<0.05	12.15	0.235	1.51	13.9	63	1.0
V340278		<0.002	0.02	2.43	10.2	1	1.5	376	0.62	<0.05	12.80	0.235	1.13	2.7	65	0.9
V340279		<0.002	0.04	4.62	9.3	1	1.4	354	0.65	<0.05	11.85	0.235	1.18	3.5	65	0.8
V340280		<0.002	0.06	11.95	9.5	1	1.8	272	0.67	<0.05	12.60	0.221	1.01	5.6	58	1.1
V340281		<0.002	<0.01	0.07	0.2	1	<0.2	48.3	<0.05	<0.05	0.72	<0.005	<0.02	0.8	2	0.1
V340282		0.002	3.05	34.5	8.1	1	5.7	153.0	0.60	0.28	12.05	0.200	2.43	4.9	59	4.9
V340283		<0.002	0.20	22.5	6.9	1	1.2	356	0.44	<0.05	11.05	0.169	0.62	3.5	49	1.4
V340284		<0.002	0.01	2.98	10.8	1	1.5	422	0.59	<0.05	13.50	0.243	1.02	2.6	67	1.0
V340285		<0.002	0.01	2.86	11.4	1	1.6	444	0.61	<0.05	12.80	0.245	0.99	2.5	68	0.9
V340286		<0.002	0.01	1.11	10.8	1	1.5	436	0.66	<0.05	13.20	0.242	0.96	3.1	65	0.8

Comments: **Re-analysis results for samples originally reported on certificate WH17133894**

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



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 11-AUG-2017
 Account: ROCKHA

Project: ROCKHA_WH17133894

CERTIFICATE OF ANALYSIS WH17166119

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V340251		15.4	112	39.6
V340252		15.0	87	44.2
V340253		14.0	102	48.4
V340323		15.6	115	35.1
V340324		0.9	20	<0.5
V340256		9.2	3410	23.4
V340257		14.7	97	38.3
V340258		15.9	92	35.6
V340259		14.8	102	36.8
V340260		9.3	37	12.8
V340261		15.9	168	64.7
V340262		16.3	84	71.7
V340263		16.0	118	47.4
V340264		14.5	111	44.6
V340265		17.4	150	43.7
V340266		14.5	136	63.3
V340267		15.8	85	43.4
V340268		0.8	15	<0.5
V340269		13.5	102	43.2
V340270		16.5	88	45.7
V340271		17.6	127	38.0
V340272		14.8	184	34.0
V340273		17.2	119	36.5
V340274		14.6	88	31.7
V340275		14.4	176	36.9
V340276		16.7	76	33.2
V340277		16.8	80	45.1
V340278		15.7	58	36.0
V340279		14.0	56	41.3
V340280		16.5	58	43.4
V340281		0.8	20	0.6
V340282		12.7	3080	40.6
V340283		15.2	82	35.6
V340284		16.7	63	35.5
V340285		17.1	70	32.5
V340286		17.8	59	32.5

Comments: **Re-analysis results for samples originally reported on certificate WH17133894**

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Project: ROCKHA_WH17133894

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 11-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17166119

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
FND-02 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

CERTIFICATE WH17168339

Project: Klaza

P.O. No.: 17-104

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168339

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GRA22 Au ppm	Pb-OG62 Pb %	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	0.05	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
W588935		5.22			0.07	7.13	63.0	500	1.45	0.11	2.16	0.31	76.4	10.0	34	37.5
W588936		8.32			0.22	7.00	102.0	770	1.68	0.23	1.64	0.19	72.6	6.8	15	40.6
W588937		7.42			0.21	7.83	98.5	960	1.50	0.26	1.85	0.25	72.3	4.6	18	27.0
W588938		3.53			22.9	6.93	435	180	1.39	3.14	0.57	43.5	45.2	9.0	12	17.90
W588939		5.15			0.53	7.61	49.0	970	1.56	0.79	1.42	1.16	50.3	6.4	12	26.3
W588940		3.81			0.15	7.60	91.1	2070	1.51	0.27	1.38	6.59	48.1	9.8	13	18.70
W588941		<0.02			0.14	8.47	94.8	2160	1.58	0.22	1.52	7.50	55.6	10.8	13	20.4
W588942		2.39			6.88	6.75	2870	840	1.59	0.62	0.22	77.4	53.4	8.2	11	12.80
W588943		2.18			1.32	7.70	315	1390	2.06	0.25	0.96	10.90	56.4	11.0	10	18.20
W588944		5.98			0.01	0.06	2.2	20	0.06	0.03	20.9	0.11	1.06	0.8	1	0.15
W588945		2.82			0.25	7.60	161.5	2700	1.70	0.24	1.50	2.85	45.5	8.5	9	14.90
W588946		7.97			0.16	7.01	69.7	1770	1.54	0.20	2.22	1.23	51.1	8.2	11	19.95
W588947		3.87			2.18	6.86	413	1080	1.56	0.66	1.55	8.02	46.6	8.6	12	15.45
W588948		3.91			0.08	7.30	17.3	2300	1.50	0.23	2.93	0.35	49.0	8.0	12	12.85
W588949		0.26			39.6	5.67	2510	160	1.06	34.8	1.69	44.7	35.3	16.3	23	10.60
W588950		2.51			0.21	7.18	52.0	2290	1.46	0.28	2.82	0.79	52.2	8.4	11	12.25
W588951		13.42			0.08	7.32	11.3	1970	1.50	0.29	2.91	0.59	51.9	8.0	12	11.25
W588952		6.18			0.33	7.89	829	1720	1.87	0.60	1.73	6.18	55.3	9.7	12	16.75
W588953		11.69			0.32	7.12	25.2	1890	1.56	0.87	3.15	0.99	45.2	11.6	12	13.25
W588954		10.83			0.14	7.08	9.5	2110	1.41	0.32	2.92	0.19	46.4	8.1	12	10.00
W588955		2.38			0.13	8.16	6.0	2260	1.43	0.39	1.55	0.23	54.2	9.9	10	11.65
W588956		0.73			0.13	7.87	6.2	2070	1.46	0.32	1.18	0.37	54.4	10.5	10	12.15
W588957		1.92			9.52	7.04	399	1680	1.62	0.36	2.27	33.6	49.0	7.0	9	18.35
W588958		8.33			0.46	7.33	62.8	1500	1.57	0.31	1.97	2.95	40.4	7.2	12	25.0
W588959		2.23			2.26	6.95	181.5	4070	1.62	0.18	2.47	27.1	48.6	6.6	9	18.05
W588960		2.77			0.23	8.00	16.0	2000	1.45	0.38	1.67	0.25	52.0	8.8	11	17.75
W588961		2.33			31.1	6.75	1810	1020	2.41	16.20	2.25	24.6	54.2	9.5	16	33.4
W588962		1.72			6.01	5.72	734	1260	1.55	2.82	4.41	7.17	56.5	8.0	11	16.70
W588963		0.26			11.40	6.47	1500	300	1.55	10.85	1.78	32.1	46.8	16.0	18	13.00
W588964		5.00			4.12	7.35	100.0	1950	1.88	2.90	2.41	4.74	73.7	8.7	26	39.0
W588965		1.15			12.35	7.27	467	350	1.79	8.18	0.44	46.5	52.5	7.1	10	44.9
W588966		5.88			0.05	0.08	0.8	30	0.06	0.06	20.4	0.12	1.31	1.6	1	0.29
W588967		6.03			52.3	5.34	1215	160	0.92	37.9	0.65	72.7	40.7	9.1	9	9.47
W588968		1.53	14.95	1.240	93.1	0.90	8190	90	0.29	2.59	0.97	61.9	24.0	0.6	4	1.01
W588969		3.22			1.35	7.26	578	520	1.43	0.45	1.79	1.04	41.8	8.0	10	17.40
W588970		5.16			12.45	7.11	871	780	1.50	2.44	1.69	22.9	56.7	7.1	9	18.25



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168339

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
W588935		7.4	3.65	19.30	0.17	3.9	0.033	2.29	39.5	51.8	1.03	1160	0.66	0.04	11.8	12.0
W588936		12.3	2.40	20.4	0.17	2.6	0.031	2.25	36.7	32.6	0.69	985	2.65	0.04	13.2	4.4
W588937		9.3	2.33	20.1	0.15	2.5	0.029	2.06	37.2	51.8	0.69	928	1.16	0.03	13.2	3.6
W588938		124.5	4.73	17.05	0.14	1.1	0.490	3.45	23.1	7.0	0.32	1000	1.83	0.03	7.9	3.5
W588939		5.8	3.16	17.70	0.16	1.1	0.062	3.05	26.7	51.2	0.59	2380	1.03	0.04	8.6	2.4
W588940		18.1	3.24	17.80	0.15	1.2	0.043	2.81	25.1	19.1	0.21	1140	1.28	0.77	8.6	2.8
W588941		24.2	3.61	19.45	0.18	1.3	0.045	2.86	28.7	21.7	0.23	1340	1.47	0.76	9.4	3.1
W588942		256	6.20	17.40	0.16	1.0	0.636	3.13	29.0	18.5	0.21	2380	6.53	0.05	7.1	2.8
W588943		38.9	4.39	18.90	0.17	1.2	0.190	3.10	30.1	27.8	0.41	2370	1.30	0.11	8.7	3.4
W588944		3.5	0.51	0.25	0.17	<0.1	0.005	0.03	0.5	0.7	13.50	217	0.13	<0.01	0.1	1.5
W588945		28.4	3.32	17.90	0.17	1.1	0.066	2.80	22.4	32.2	0.45	925	1.03	0.34	8.9	3.1
W588946		7.4	3.54	17.95	0.18	1.1	0.062	2.80	26.0	13.9	0.63	1220	0.85	1.00	8.7	2.7
W588947		216	4.94	17.10	0.15	0.9	0.208	3.09	25.1	11.2	0.46	3600	2.99	0.35	7.5	3.0
W588948		5.7	3.17	17.50	0.17	1.1	0.044	2.85	25.5	6.2	0.87	796	0.69	2.09	8.5	2.7
W588949		1180	9.14	14.35	0.14	0.8	1.405	2.61	17.8	11.6	0.69	2320	16.55	0.06	4.9	13.4
W588950		8.4	3.13	17.55	0.16	1.1	0.042	2.66	27.2	11.6	0.81	891	0.66	1.39	8.3	2.6
W588951		5.9	3.26	17.30	0.16	1.2	0.047	2.60	27.5	8.2	0.90	765	0.62	2.18	8.5	2.7
W588952		36.1	4.26	19.90	0.18	1.2	0.055	2.80	29.6	25.6	0.42	1650	2.83	0.44	8.5	2.8
W588953		79.6	3.41	17.95	0.15	1.1	0.058	2.73	22.4	17.5	0.70	1080	1.29	0.93	8.5	2.8
W588954		8.3	3.13	16.95	0.15	1.1	0.036	2.52	24.2	14.2	0.80	677	0.82	2.19	8.3	2.6
W588955		56.9	3.38	18.90	0.16	1.3	0.041	2.81	28.9	27.6	0.78	579	0.45	0.75	9.1	3.0
W588956		40.2	3.37	19.45	0.16	1.3	0.041	2.90	27.9	29.0	0.70	626	0.51	0.49	9.3	3.2
W588957		62.4	4.06	17.10	0.17	1.0	0.310	3.39	26.3	16.7	0.80	4180	0.83	0.05	7.6	3.7
W588958		10.3	3.27	17.95	0.16	1.1	0.037	3.26	19.5	44.4	0.61	2540	0.61	0.16	8.4	2.4
W588959		38.8	3.75	17.00	0.17	1.1	0.550	2.87	25.5	21.6	0.73	2760	0.81	0.07	8.4	2.3
W588960		10.1	3.25	18.90	0.17	1.2	0.043	3.19	26.4	37.5	0.73	1540	0.67	0.13	9.0	2.7
W588961		200	2.89	18.00	0.16	2.9	0.219	2.56	28.7	20.9	0.94	2420	7.76	0.03	9.7	6.6
W588962		94.9	3.69	13.90	0.10	2.2	0.104	1.49	30.9	27.9	1.45	2950	14.70	0.03	8.0	4.9
W588963		278	6.40	15.50	0.13	1.1	0.801	2.80	25.0	18.3	0.74	1740	9.03	0.12	6.3	11.9
W588964		113.5	3.27	19.25	0.15	3.9	0.161	1.97	37.8	91.6	1.01	1620	1.98	0.04	11.1	9.9
W588965		117.5	3.24	17.90	0.10	1.7	0.388	2.66	28.6	26.7	0.33	831	17.70	0.03	8.8	4.8
W588966		3.9	0.47	0.38	<0.05	<0.1	<0.005	0.03	0.6	1.6	12.75	204	0.10	<0.01	0.2	<0.2
W588967		331	5.22	14.00	0.09	0.9	1.885	2.35	22.4	15.2	0.33	6300	46.5	0.02	5.4	2.3
W588968		300	4.56	6.15	<0.05	0.1	0.322	0.39	13.6	20.3	0.33	91800	3.38	0.01	0.7	0.4
W588969		11.1	3.39	17.95	0.10	1.4	0.059	3.15	20.1	61.4	0.57	5430	1.13	0.04	7.9	2.6
W588970		239	4.66	16.95	0.09	1.5	0.353	3.15	30.4	33.6	0.70	12900	8.01	0.05	7.7	3.0



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168339

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
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
W588935		1660	17.4	99.1	<0.002	0.07	34.9	7.5	1	1.5	537	0.69	<0.05	8.72	0.433	2.19
W588936		910	23.7	82.9	<0.002	0.13	21.5	6.4	1	2.5	431	0.79	<0.05	11.65	0.275	2.41
W588937		980	37.3	68.7	<0.002	0.19	27.1	6.1	1	2.2	391	0.81	<0.05	11.80	0.300	2.99
W588938		560	2470	182.5	<0.002	4.26	53.2	9.7	1	4.0	33.8	0.56	<0.05	11.60	0.260	2.49
W588939		680	65.8	149.5	<0.002	0.30	16.25	11.1	1	1.6	128.5	0.58	<0.05	12.40	0.291	2.15
W588940		640	27.8	112.0	<0.002	0.02	17.35	11.4	1	3.0	156.5	0.60	<0.05	12.90	0.288	1.14
W588941		700	26.4	111.5	<0.002	0.02	18.70	12.5	1	3.8	158.0	0.68	<0.05	14.95	0.328	1.15
W588942		530	2030	182.5	<0.002	0.13	60.5	11.0	1	9.1	36.4	0.51	<0.05	13.15	0.237	2.31
W588943		610	373	171.0	<0.002	0.10	16.45	12.2	1	5.7	73.0	0.62	<0.05	14.85	0.283	2.28
W588944		170	2.7	1.0	<0.002	<0.01	0.09	0.1	1	<0.2	46.0	<0.05	<0.05	0.09	<0.005	0.02
W588945		630	53.9	113.0	<0.002	0.02	11.60	11.2	1	4.6	107.5	0.60	<0.05	13.25	0.298	1.29
W588946		600	44.0	129.5	<0.002	0.06	8.39	11.4	1	2.0	191.0	0.61	<0.05	13.05	0.281	1.49
W588947		550	185.0	178.0	<0.002	0.80	45.8	10.5	1	4.3	93.1	0.51	<0.05	11.25	0.254	2.33
W588948		600	16.6	118.0	<0.002	0.02	1.69	11.3	1	1.7	354	0.58	<0.05	13.20	0.284	1.14
W588949		440	1695	143.5	0.003	7.91	108.5	7.4	2	10.4	61.3	0.36	0.73	9.33	0.166	2.02
W588950		610	20.4	117.0	<0.002	0.03	5.20	11.2	1	1.8	241	0.55	<0.05	12.65	0.281	1.08
W588951		630	16.0	106.0	<0.002	0.01	1.61	11.5	1	1.9	349	0.60	<0.05	14.05	0.290	0.93
W588952		660	18.3	135.0	<0.002	0.04	22.3	12.5	1	3.0	110.5	0.62	<0.05	14.20	0.291	1.44
W588953		640	26.1	107.5	<0.002	0.09	9.81	11.4	1	2.4	186.5	0.60	<0.05	12.85	0.294	1.22
W588954		590	19.2	97.0	<0.002	0.01	2.39	11.1	1	1.7	376	0.57	<0.05	12.40	0.279	0.85
W588955		660	19.2	109.5	<0.002	0.02	11.10	12.2	1	8.0	169.5	0.65	<0.05	15.15	0.311	0.98
W588956		640	23.2	121.0	<0.002	0.02	12.95	13.3	1	5.9	127.0	0.67	<0.05	15.00	0.312	1.15
W588957		570	3620	183.0	<0.002	0.80	25.0	10.7	1	6.1	79.9	0.52	<0.05	12.55	0.260	2.56
W588958		620	142.5	130.0	<0.002	0.13	17.35	10.8	1	1.8	94.3	0.58	<0.05	12.50	0.286	2.04
W588959		630	717	147.5	<0.002	0.63	23.6	11.6	1	3.1	120.0	0.54	<0.05	12.10	0.283	1.76
W588960		640	27.6	123.5	<0.002	0.10	14.20	11.9	1	2.0	109.5	0.62	<0.05	14.80	0.307	1.64
W588961		910	1525	158.0	<0.002	0.94	152.0	6.3	1	2.0	174.5	0.58	0.12	9.14	0.274	3.18
W588962		670	561	74.1	<0.002	0.77	74.1	5.4	1	1.5	250	0.53	0.06	7.39	0.209	2.04
W588963		510	1255	158.5	<0.002	4.53	62.2	9.4	2	7.7	95.5	0.50	1.19	10.30	0.206	2.57
W588964		1400	175.5	74.3	<0.002	0.42	66.1	8.0	1	2.3	697	0.71	<0.05	8.29	0.377	2.18
W588965		670	2210	145.5	<0.002	3.00	74.1	9.9	2	6.2	169.0	0.65	0.06	12.90	0.257	2.90
W588966		150	4.1	1.2	<0.002	<0.01	0.28	0.2	1	<0.2	52.7	<0.05	<0.05	0.12	<0.005	0.03
W588967		390	2890	140.5	<0.002	5.56	249	8.2	2	9.3	48.5	0.42	0.21	9.22	0.189	2.19
W588968		60	>10000	28.8	<0.002	3.54	2590	1.4	1	6.4	15.4	0.06	0.07	2.07	0.023	1.05
W588969		610	90.3	134.5	<0.002	1.89	35.5	12.2	1	2.1	133.5	0.65	<0.05	11.00	0.275	2.63
W588970		680	1685	165.5	<0.002	2.41	185.0	13.2	1	4.9	113.0	0.63	<0.05	13.95	0.268	2.62



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
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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	Au-AA24 Au ppm 0.005
W588935		2.6	75	3.2	12.9	172	174.0	0.010
W588936		7.3	52	4.0	13.7	88	100.5	0.006
W588937		5.0	56	2.7	13.2	79	92.6	0.005
W588938		5.0	72	5.1	8.5	5220	33.3	0.311
W588939		3.6	78	3.0	14.1	177	30.8	0.010
W588940		2.4	80	2.1	17.2	1080	33.0	<0.005
W588941		2.7	91	2.4	18.8	1180	35.2	<0.005
W588942		10.1	76	7.3	13.7	3340	27.1	0.107
W588943		3.9	78	2.3	16.9	1520	32.1	0.009
W588944		0.5	2	0.1	0.7	22	<0.5	<0.005
W588945		2.2	77	8.4	14.2	810	31.6	<0.005
W588946		3.9	77	2.0	16.7	305	31.7	<0.005
W588947		4.6	74	6.2	15.9	1220	27.6	0.041
W588948		2.2	77	0.7	17.0	103	31.3	<0.005
W588949		5.0	55	6.8	9.4	3440	23.2	1.695
W588950		1.5	78	2.5	16.4	318	30.8	<0.005
W588951		1.5	80	0.6	17.4	141	29.9	<0.005
W588952		3.2	90	2.9	20.5	1260	40.0	<0.005
W588953		2.3	82	2.0	15.4	326	30.6	<0.005
W588954		1.4	77	0.6	16.3	112	28.7	<0.005
W588955		1.7	84	9.6	16.9	414	34.5	<0.005
W588956		1.9	86	11.0	17.4	505	35.0	<0.005
W588957		4.9	74	4.9	16.1	3480	27.8	0.207
W588958		2.3	77	6.4	14.7	501	31.5	<0.005
W588959		2.3	77	4.3	16.8	2100	29.0	0.033
W588960		4.2	81	4.9	16.4	197	30.7	<0.005
W588961		13.2	61	6.0	13.1	2470	125.0	1.695
W588962		10.0	49	5.8	12.5	956	81.4	0.609
W588963		4.8	60	6.0	11.2	2350	29.2	0.849
W588964		10.4	75	4.1	13.7	557	155.0	0.285
W588965		18.7	64	8.3	9.5	5210	51.9	0.353
W588966		0.7	2	0.1	0.8	24	0.8	<0.005
W588967		5.8	53	8.2	6.8	8840	21.7	5.71
W588968		0.5	10	3.2	12.5	6210	2.7	>10.0
W588969		3.3	78	3.7	13.3	139	31.7	0.087
W588970		5.8	80	5.0	18.5	2570	39.2	0.806



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168339

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	Au-GRA22	ME-MS61	ME-OG62
	Pb-OG62			



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To: **ROCKHAVEN RESOURCES LTD.**
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
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P.O. No.: 17-105

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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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 WH17168344

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W589159		9.23	0.26	6.50	28.4	2160	1.59	0.14	2.23	0.30	44.7	6.9	9	16.85	9.0	2.46
W589160		8.81	0.30	6.53	38.1	2680	1.29	0.27	2.70	0.33	48.3	6.8	9	12.85	12.6	2.92
W589161		5.79	14.95	5.58	196.0	1550	1.32	0.13	1.62	15.65	58.8	6.6	7	11.70	32.5	2.21
W589162		13.49	0.27	7.29	16.6	2630	1.62	0.27	2.23	0.49	44.0	3.8	9	12.15	6.0	3.10
W589163		6.83	0.41	7.23	14.8	2400	1.68	0.26	2.19	0.29	52.8	4.4	9	10.05	7.1	3.18
W589164		4.90	1.72	7.06	106.5	400	1.59	0.41	2.54	6.42	51.9	9.1	8	14.90	21.7	3.69
W589165		<0.02	1.91	7.31	109.5	400	1.63	0.42	2.62	7.31	53.5	9.6	7	15.30	26.1	3.82
W589166		10.92	0.16	7.16	10.8	2630	1.53	0.23	2.47	0.35	50.2	6.0	10	13.35	3.5	3.46
W589167		4.08	0.17	7.22	10.1	2780	1.68	0.29	2.92	0.15	46.8	6.8	8	15.75	1.4	3.40
W589168		6.95	0.09	7.63	7.0	2410	1.79	0.19	2.33	0.07	47.1	4.8	13	7.75	4.6	3.31
W589169		8.21	0.13	7.35	9.9	2680	1.65	0.21	2.54	0.08	48.7	5.2	10	9.64	3.7	3.47
W589170		0.26	10.15	6.86	1810	140	1.60	6.44	1.93	41.6	43.9	16.9	22	17.00	112.0	5.33
W589171		5.25	0.29	7.46	26.8	2880	1.63	0.26	2.83	0.12	43.1	8.1	10	15.75	3.9	3.77
W589172		6.94	0.08	7.07	9.5	2510	1.58	0.17	2.34	0.08	42.4	4.0	8	11.85	4.0	3.10
W589173		4.08	10.25	6.90	222	180	1.36	0.85	1.94	43.9	51.3	17.0	8	10.10	172.0	5.80
W589174		6.12	0.01	0.07	0.6	250	0.05	0.03	21.9	0.09	1.19	0.7	<1	0.16	1.6	0.50
W589175		4.75	0.19	6.98	18.9	1860	1.67	0.28	3.19	0.09	42.1	8.7	10	11.25	3.7	3.66
W589176		2.29	1.94	6.56	186.0	690	1.53	0.13	3.49	4.37	43.2	4.8	7	14.55	16.7	3.58
W589177		2.13	0.33	7.23	42.9	2320	1.57	0.22	2.08	0.28	47.4	6.1	8	22.4	13.9	3.18
W589178		4.29	0.27	7.18	17.8	1640	1.67	0.58	2.67	0.18	47.2	6.7	8	19.15	16.3	3.10
W589179		1.87	0.20	6.95	18.0	1510	1.38	0.48	2.72	0.18	48.1	7.3	8	18.70	14.2	3.08
W589180		2.31	0.08	7.61	17.6	3870	2.12	0.15	1.84	0.28	46.4	4.1	8	23.7	4.7	2.29
W589181		2.69	0.47	6.14	50.1	570	1.36	0.23	3.03	0.37	42.6	8.0	8	20.0	9.1	2.78
W589182		9.22	0.27	7.55	44.0	460	1.54	0.28	2.37	0.28	45.2	3.0	7	32.8	8.5	2.73
W589183		10.05	0.12	7.49	15.3	1470	1.45	0.21	2.32	0.17	47.2	7.3	10	21.1	25.2	2.67
W589184		8.45	0.40	7.19	84.6	1440	1.80	0.30	3.31	0.65	51.0	9.3	9	26.4	39.0	2.87
W589185		0.26	40.4	5.84	2460	60	1.13	40.9	1.67	44.6	36.4	17.4	24	10.45	1175	9.28
W589186		8.59	0.12	8.11	9.2	1930	1.39	0.13	1.82	0.16	52.1	6.3	8	17.70	4.9	2.93
W589187		3.00	1.61	7.70	34.6	1240	2.25	2.92	2.34	0.22	52.0	12.4	7	63.0	6.6	3.38
W589188		6.25	1.08	8.71	88.7	2210	1.85	0.60	0.63	3.95	64.4	7.9	9	16.85	29.0	4.36
W589189		3.33	1.04	7.81	286	1000	1.48	0.47	0.21	0.96	58.4	11.8	7	19.35	28.6	6.26
W589190		6.01	0.01	0.05	0.6	30	0.06	0.03	20.9	0.06	1.02	0.7	2	0.13	1.6	0.49
W589191		1.59	0.64	7.96	159.0	1890	1.70	0.38	1.55	2.31	41.8	17.1	7	18.55	6.3	4.31
W589192		3.59	2.05	7.70	274	1610	1.32	0.81	0.36	9.49	53.3	30.7	7	12.40	112.5	4.99
W589193		6.70	0.17	8.33	16.9	2380	1.39	0.35	1.06	0.28	48.9	14.6	8	12.05	2.6	4.05
W589194		10.40	0.25	7.64	25.8	3870	1.40	0.36	1.95	0.13	50.2	11.2	7	21.4	13.6	3.59



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Page: 2 - B
Total # Pages: 2 (A - D)
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CERTIFICATE OF ANALYSIS WH17168344

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
		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
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
W589159		15.20	0.09	1.2	0.071	2.96	23.3	49.1	0.58	936	3.77	1.48	8.1	2.2	520
W589160		14.90	0.09	1.0	0.128	2.68	26.0	16.1	0.64	1120	1.57	1.43	7.2	2.3	510
W589161		11.25	0.09	2.0	0.097	3.40	33.9	25.1	0.53	2400	8.96	0.04	6.4	1.3	190
W589162		15.95	0.12	1.3	0.109	3.40	20.8	20.4	0.68	985	1.31	1.64	8.3	3.7	590
W589163		15.30	0.17	1.7	0.124	3.62	26.5	21.2	0.70	1060	1.86	1.48	8.4	2.0	500
W589164		15.05	0.16	1.4	0.165	3.56	26.9	42.9	0.81	2760	3.13	0.04	7.9	2.3	490
W589165		15.70	0.13	1.4	0.186	3.65	28.3	44.9	0.84	2870	2.92	0.04	8.2	2.4	500
W589166		15.30	0.14	1.3	0.111	3.58	24.7	37.8	0.72	1250	1.60	0.08	8.3	1.8	560
W589167		15.45	0.11	1.3	0.101	3.18	22.7	17.4	0.71	1160	0.49	1.12	8.2	2.1	590
W589168		17.30	0.11	1.3	0.068	3.07	22.8	11.0	0.74	740	0.94	2.27	8.5	2.3	600
W589169		16.15	0.11	1.3	0.086	3.11	23.8	12.3	0.68	783	1.27	1.59	8.0	1.9	570
W589170		15.80	0.09	1.4	0.973	2.94	21.2	25.8	0.71	2050	12.45	0.27	7.7	15.6	510
W589171		16.15	0.11	1.3	0.085	3.50	21.9	19.1	0.84	1380	0.96	0.32	8.3	2.2	580
W589172		16.20	0.11	1.3	0.071	3.58	20.0	41.9	0.57	815	1.48	0.91	7.9	2.0	570
W589173		15.70	0.11	1.0	0.400	3.39	25.5	18.4	0.75	3480	3.30	0.03	6.4	2.5	470
W589174		0.24	0.06	<0.1	0.005	0.03	0.5	1.4	13.55	216	0.07	0.01	0.2	1.0	200
W589175		16.35	0.13	1.3	0.112	3.80	19.1	40.8	0.66	1660	1.18	0.07	8.1	2.1	570
W589176		14.70	0.08	0.9	0.146	3.14	21.7	23.4	1.02	4840	5.45	0.17	6.6	2.3	490
W589177		15.85	0.12	1.3	0.076	3.01	24.4	61.0	0.75	1110	1.56	0.06	7.6	2.3	570
W589178		17.30	0.11	1.3	0.102	2.98	22.5	95.7	0.85	960	1.38	0.72	8.0	2.3	560
W589179		16.20	0.08	1.3	0.085	2.82	23.3	96.6	0.85	930	1.20	0.68	7.9	2.1	570
W589180		18.20	0.09	1.4	0.051	2.98	22.6	440	0.63	667	0.36	0.56	8.0	1.9	550
W589181		13.70	0.08	1.1	0.055	2.41	22.3	167.5	0.93	1220	0.75	0.08	6.5	2.4	450
W589182		17.30	0.13	1.3	0.105	3.52	22.0	74.9	0.79	1200	14.90	0.11	8.5	2.1	570
W589183		17.70	0.11	1.4	0.040	3.35	22.3	206	0.73	723	16.20	0.23	8.3	2.9	620
W589184		17.10	0.12	1.4	0.044	3.20	24.6	152.5	0.78	835	1.79	0.46	8.0	2.3	620
W589185		14.80	0.11	0.9	1.630	2.66	16.7	17.1	0.68	2360	17.35	0.06	5.0	14.8	460
W589186		17.60	0.09	1.4	0.040	2.97	25.8	31.1	0.70	662	1.07	1.26	8.8	2.0	630
W589187		20.2	0.10	1.4	0.120	2.57	26.2	35.7	0.81	1010	1.02	1.02	8.0	3.3	560
W589188		18.85	0.10	1.5	0.285	3.99	34.9	11.5	0.27	3000	0.97	0.24	9.1	2.6	570
W589189		17.65	0.10	1.3	0.206	3.57	32.1	11.9	0.26	1300	0.91	0.04	8.3	1.7	590
W589190		0.19	<0.05	<0.1	<0.005	0.02	0.5	1.4	12.95	216	0.07	<0.01	0.1	1.3	180
W589191		18.30	0.12	1.4	0.100	4.09	19.9	23.7	0.24	1760	0.75	0.07	8.3	2.8	610
W589192		17.45	0.12	1.2	0.229	3.65	28.6	18.5	0.24	3270	0.94	0.05	7.7	2.9	550
W589193		18.05	0.10	1.2	0.087	3.31	25.4	32.2	0.22	1060	0.63	0.40	8.7	3.1	650
W589194		17.60	0.10	1.2	0.074	2.87	24.3	32.8	0.64	884	0.22	0.26	8.5	2.1	600



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		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W589159		116.0	0.002	0.18	8.28	8.3	<1	1.9	274	0.67	<0.05	13.50	0.209	1.62	6.7	55
W589160		122.0	0.002	0.51	6.45	8.6	1	1.6	203	0.60	<0.05	13.10	0.211	1.68	4.0	56
W589161		157.5	0.003	1.21	39.3	3.8	<1	1.1	118.5	1.04	0.06	24.6	0.081	2.15	8.1	22
W589162		128.0	<0.002	0.18	6.93	9.7	1	1.6	235	0.72	<0.05	13.40	0.247	1.84	3.9	61
W589163		147.5	<0.002	0.20	6.50	9.0	<1	1.5	206	0.85	<0.05	16.50	0.211	2.06	6.9	54
W589164		167.5	<0.002	1.87	20.2	9.1	<1	1.4	149.5	0.70	<0.05	13.65	0.217	2.70	5.8	54
W589165		177.5	<0.002	1.96	21.3	9.6	1	1.4	153.5	0.72	<0.05	14.10	0.224	2.76	6.1	56
W589166		147.0	<0.002	0.32	8.75	9.4	1	1.4	152.5	0.70	<0.05	13.15	0.238	2.62	3.8	59
W589167		142.5	<0.002	0.35	5.22	10.0	1	1.4	203	0.69	<0.05	12.75	0.245	2.32	3.8	63
W589168		117.5	<0.002	0.02	3.02	10.5	1	1.6	331	0.68	<0.05	12.95	0.254	1.47	4.1	66
W589169		124.5	<0.002	0.05	4.52	10.0	1	1.5	228	0.66	<0.05	12.80	0.243	2.00	3.2	62
W589170		150.0	<0.002	3.19	35.2	8.9	1	6.1	153.5	0.61	0.36	11.05	0.216	2.61	5.2	59
W589171		159.5	<0.002	0.41	6.68	9.3	1	1.4	176.0	0.68	<0.05	14.10	0.249	2.62	5.5	62
W589172		130.5	<0.002	0.07	6.16	9.8	1	1.6	211	0.62	<0.05	12.00	0.246	2.18	3.1	62
W589173		189.0	<0.002	3.03	34.2	9.4	1	2.0	88.8	0.51	0.13	11.00	0.198	2.80	4.3	57
W589174		1.1	<0.002	0.01	0.09	0.2	<1	<0.2	54.4	<0.05	<0.05	0.08	<0.005	<0.02	0.6	2
W589175		164.0	<0.002	0.44	5.77	9.4	1	1.4	164.5	0.66	<0.05	12.00	0.250	3.06	5.6	62
W589176		161.5	<0.002	1.85	25.3	8.5	<1	2.1	134.0	0.53	<0.05	11.20	0.203	2.59	5.7	55
W589177		142.0	<0.002	0.87	23.9	9.6	1	1.6	177.0	0.58	<0.05	12.85	0.236	2.06	5.8	61
W589178		121.5	<0.002	0.11	16.05	10.3	1	1.7	231	0.65	<0.05	11.85	0.241	1.98	3.7	65
W589179		120.0	<0.002	0.11	15.70	10.3	<1	1.7	227	0.64	<0.05	13.25	0.239	1.88	3.5	63
W589180		123.5	<0.002	0.14	20.5	9.4	1	1.9	295	0.69	<0.05	13.65	0.233	2.02	4.3	67
W589181		115.0	<0.002	0.72	32.7	8.0	1	1.7	182.5	0.55	<0.05	11.65	0.191	2.06	6.0	51
W589182		174.0	0.008	0.77	21.1	9.7	1	2.0	164.5	0.69	<0.05	13.50	0.242	2.88	7.9	56
W589183		122.5	0.004	0.08	17.85	10.3	1	2.0	231	0.66	<0.05	12.80	0.266	2.18	3.1	66
W589184		132.5	<0.002	0.21	20.6	10.5	1	2.1	285	0.63	<0.05	12.70	0.254	2.21	5.5	66
W589185		138.0	0.002	7.95	108.5	8.5	1	11.2	64.6	0.40	0.86	9.21	0.174	2.31	5.4	56
W589186		112.0	<0.002	0.12	8.28	10.8	<1	1.6	269	0.72	<0.05	15.50	0.271	1.43	4.5	70
W589187		120.0	<0.002	0.39	14.25	10.0	1	3.0	245	0.63	0.11	15.65	0.245	1.71	84.3	77
W589188		198.0	<0.002	0.21	8.83	11.3	1	2.6	52.9	0.75	<0.05	16.90	0.269	3.87	5.5	69
W589189		179.0	<0.002	0.76	12.65	10.0	1	2.1	74.5	0.64	0.05	15.00	0.247	3.44	4.6	66
W589190		0.9	<0.002	<0.01	0.11	0.2	<1	<0.2	47.0	<0.05	<0.05	0.09	<0.005	0.02	0.9	2
W589191		164.0	<0.002	0.36	14.50	10.3	1	1.9	81.4	0.76	0.05	14.35	0.251	3.17	4.9	65
W589192		180.5	<0.002	0.39	27.4	9.5	1	2.5	82.0	0.66	0.06	14.85	0.234	3.07	5.8	62
W589193		137.5	<0.002	0.20	11.35	11.1	1	2.0	133.5	0.69	0.07	14.70	0.262	3.17	4.5	65
W589194		109.0	<0.002	0.40	12.90	10.5	<1	3.3	147.5	0.66	<0.05	13.65	0.258	2.06	9.0	69



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168344

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W589159		1.8	14.4	59	34.3	0.025
W589160		2.3	14.6	75	29.3	0.017
W589161		1.5	11.7	1740	48.8	0.279
W589162		1.9	12.4	108	35.4	0.012
W589163		2.0	14.5	94	41.8	0.103
W589164		2.6	12.4	723	34.6	0.117
W589165		2.6	12.9	825	35.8	0.119
W589166		1.8	12.1	99	34.0	<0.005
W589167		2.1	12.9	68	34.6	0.005
W589168		1.7	14.6	60	35.4	<0.005
W589169		1.8	13.1	56	33.9	0.008
W589170		5.4	10.7	3150	42.1	0.764
W589171		2.0	12.3	69	34.0	0.014
W589172		1.8	12.6	50	35.0	<0.005
W589173		4.3	11.8	4890	25.8	1.080
W589174		0.1	0.7	19	<0.5	<0.005
W589175		1.9	13.4	52	34.5	0.005
W589176		2.6	13.4	533	26.1	0.164
W589177		2.4	13.0	56	35.0	0.015
W589178		2.1	15.3	62	32.7	<0.005
W589179		1.9	15.8	62	32.9	<0.005
W589180		3.4	12.1	61	36.8	<0.005
W589181		2.5	12.0	66	30.9	0.022
W589182		2.4	12.0	55	33.5	0.013
W589183		5.3	13.7	61	43.1	<0.005
W589184		2.6	15.7	71	41.2	<0.005
W589185		8.0	8.7	3410	24.5	1.690
W589186		1.8	14.6	63	45.5	<0.005
W589187		2.4	14.2	95	50.7	0.033
W589188		4.1	16.9	438	41.2	0.037
W589189		2.3	9.7	209	35.4	0.028
W589190		0.1	0.7	16	<0.5	<0.005
W589191		2.3	13.0	221	36.0	0.061
W589192		4.0	12.7	678	32.0	0.313
W589193		1.6	14.1	88	32.6	<0.005
W589194		2.1	13.4	72	33.8	0.005



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168344

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

CERTIFICATE WH17168347

Project: Klaza

P.O. No.: 17-108

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168347

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR22 Au ppm	Ag-OG62 Ag ppm	Cu-OG62 Cu %	Pb-OG62 Pb %	Zn-OG62 Zn %	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
		0.02	0.05	1	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01
V341867		2.18		126		3.39	5.86	>100	4.16	4100	50	0.89	3.34	1.82	770	20.8
V341868		13.28						8.99	6.04	162.5	350	1.54	4.91	2.05	6.21	40.8
V341869		5.80						77.9	2.78	586	30	0.62	88.1	3.94	33.9	15.10
V341870		4.38						22.4	5.29	900	950	1.01	1.70	0.63	89.3	24.0
V341871		3.44				1.480	1.215	51.5	5.46	>10000	200	1.15	4.21	0.37	198.5	41.3
V341872		2.04						14.05	5.70	428	40	1.22	20.6	2.19	2.37	25.1
V341873		0.26						38.6	5.72	2540	80	1.22	37.0	1.66	42.7	35.9
V341874		2.50		481		4.65	5.54	>100	0.90	>10000	40	0.19	321	1.32	757	4.27
V341875		3.98						89.1	5.35	>10000	520	1.54	15.60	4.16	104.5	39.5
V341876		2.40						13.55	5.28	398	30	1.46	11.75	0.92	3.66	28.3
V341877		6.07						0.16	0.05	18.4	20	0.05	0.10	20.7	0.25	1.12
V341878		4.61	20.7	102		1.410	2.57	>100	4.87	>10000	60	1.20	3.91	1.97	436	31.1
V341879		3.06	21.9	140		1.945	1.640	>100	5.39	>10000	200	1.53	4.77	2.19	242	52.5
V341880		3.61						37.5	5.38	3990	130	1.23	12.85	1.28	67.9	24.9
V341881		6.44						44.1	6.21	1770	200	1.53	14.40	2.40	33.2	48.4
V341882		<0.02						44.3	6.29	1765	260	1.66	14.95	2.43	34.6	49.6
V341883		4.16	64.1	177				>100	3.18	>10000	50	0.49	617	0.10	76.6	13.00
V341884		3.84	27.6			3.03	2.16	84.2	3.21	>10000	110	0.52	91.8	0.19	202	17.20
V341885		0.12	13.35	129	2.80	2.48	15.55	>100	4.41	377	460	0.45	2.09	2.04	823	18.35
V341886		4.38	18.60	367		5.49	6.77	>100	3.25	>10000	700	0.54	131.0	0.32	669	18.45
V341887		2.96						5.01	7.42	572	210	1.32	2.46	0.18	29.6	46.8
V341888		2.59						27.7	6.90	2130	120	1.33	39.3	0.60	67.4	44.1
V341889		3.91						11.15	7.04	224	360	1.02	1.39	0.58	54.6	52.8
V341890		2.40						6.20	7.38	220	140	1.33	7.05	0.54	21.8	46.3
V341891		<0.02						5.85	7.58	203	180	1.38	6.57	0.55	20.0	46.4
V341892		8.73						3.57	5.98	282	580	1.34	4.41	0.38	13.50	51.7
V341893		1.49					2.36	23.4	5.49	651	530	1.19	0.29	3.17	255	42.0
V341894		5.96	23.9	222		3.11	2.06	>100	2.65	>10000	220	0.43	151.5	0.33	206	13.60
V341895		2.72	57.9	1055		3.34	3.42	>100	2.79	>10000	170	0.51	1460	0.87	311	21.3
V341896		3.21	53.1	390	1.635	2.45	3.97	>100	0.69	>10000	80	0.23	437	1.13	342	6.10
V341897		4.51	12.95	648		4.27	5.19	>100	0.87	>10000	60	0.24	599	0.75	606	12.50
V341898		5.90						0.63	0.05	26.0	310	<0.05	0.63	20.4	0.47	1.08
V341899		3.21	62.6	550		1.660	3.69	>100	1.77	>10000	60	0.26	888	0.49	311	17.20
V341900		3.22	28.9	416		1.495	4.54	>100	1.21	>10000	60	0.28	456	1.17	371	13.35
V341901		1.90		304		1.045	1.695	>100	4.43	8470	240	0.92	5.97	0.85	271	34.2
V341902		1.67	10.70					35.1	3.02	>10000	160	0.75	36.2	1.31	73.9	25.2



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168347

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
		Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
		0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
V341867		4.2	10	7.23	390	9.61	10.95	0.08	0.6	3.24	1.88	9.4	10.7	0.75	2620
V341868		9.0	9	24.7	64.1	4.33	13.30	0.10	1.2	0.253	2.29	21.1	30.4	0.76	1280
V341869		15.7	9	8.04	216	13.35	3.70	0.08	0.4	1.070	1.09	6.8	16.7	1.39	4480
V341870		6.5	14	7.58	78.5	7.94	12.40	0.08	0.7	0.184	2.46	9.1	16.4	0.40	1060
V341871		5.0	14	7.83	177.0	6.65	13.50	0.09	0.9	5.03	2.59	21.7	14.6	0.36	570
V341872		191.5	51	14.25	16.0	12.00	12.10	0.09	1.4	0.169	2.55	12.9	15.2	0.81	1100
V341873		17.6	23	10.35	1150	9.03	13.85	0.11	0.8	1.605	2.60	18.0	16.1	0.68	2310
V341874		55.0	10	1.01	8910	25.7	3.56	0.10	0.1	8.67	0.41	2.1	3.6	0.53	4360
V341875		8.3	10	18.50	755	5.99	13.85	0.10	1.1	1.100	2.21	20.7	11.7	1.67	4510
V341876		118.5	17	12.25	249	12.80	12.50	0.12	0.8	0.206	2.38	13.7	11.4	0.45	1380
V341877		0.8	1	0.16	4.3	0.49	0.28	0.13	0.1	0.011	0.02	0.5	0.9	13.10	214
V341878		11.4	14	11.10	499	5.91	11.90	0.14	1.2	10.30	1.89	16.5	45.9	0.82	881
V341879		6.7	18	19.05	506	6.88	13.90	0.12	2.4	2.92	1.44	28.3	120.5	0.83	575
V341880		66.8	10	6.74	202	7.36	11.80	0.09	0.8	1.885	2.58	13.5	12.0	0.48	1200
V341881		22.3	15	18.15	414	5.11	14.75	0.19	2.2	0.547	2.18	25.7	34.5	0.95	1380
V341882		24.3	15	18.75	422	5.23	15.30	0.09	2.2	0.602	2.22	25.7	35.7	0.97	1420
V341883		18.6	12	3.79	8480	19.40	11.60	0.08	0.4	7.09	1.53	5.7	5.2	0.10	213
V341884		6.5	11	5.98	494	16.25	10.10	0.08	0.4	1.970	1.53	8.9	5.4	0.12	322
V341885		51.0	46	1.29	>10000	9.30	16.00	0.07	0.5	3.10	0.82	9.1	5.3	0.79	1620
V341886		5.7	12	6.91	9340	14.60	11.65	0.05	0.5	5.96	1.53	9.5	4.3	0.15	1780
V341887		8.3	14	9.64	71.2	4.86	17.25	0.07	0.9	0.218	3.62	23.1	5.3	0.26	1960
V341888		7.5	13	15.05	802	5.40	16.25	0.07	1.0	0.592	3.10	22.3	10.9	0.40	2870
V341889		10.5	13	9.30	42.4	5.35	15.40	0.11	1.2	0.513	3.35	27.4	5.2	0.46	2680
V341890		18.0	14	12.60	38.0	4.91	17.45	0.11	1.4	0.138	3.40	21.4	9.5	0.43	1620
V341891		17.2	14	13.05	33.3	4.62	17.60	0.14	1.5	0.135	3.43	22.0	10.9	0.44	1560
V341892		18.7	16	21.4	64.1	4.04	14.80	0.11	1.6	0.123	2.11	27.1	38.8	0.38	1540
V341893		5.1	9	13.80	278	3.95	11.65	0.11	0.9	0.133	2.25	21.9	22.0	0.79	6290
V341894		8.1	11	6.03	3430	18.50	7.69	0.12	0.4	2.80	1.18	6.5	7.8	0.16	5250
V341895		6.8	13	4.32	6710	16.00	6.77	0.11	0.4	4.99	1.31	10.0	6.6	0.33	8570
V341896		17.8	10	2.14	>10000	20.0	2.56	0.10	0.2	12.55	0.22	3.2	14.3	0.33	1900
V341897		6.1	15	1.41	7430	16.70	3.01	0.10	0.2	8.92	0.26	5.9	14.5	0.26	25000
V341898		0.7	1	0.25	16.7	0.47	0.21	0.12	<0.1	0.019	0.02	0.5	1.0	12.60	220
V341899		14.5	15	1.54	6930	20.1	4.89	0.10	0.3	6.69	0.83	8.5	10.1	0.19	4140
V341900		14.2	14	1.38	9490	18.30	4.32	0.09	0.2	13.25	0.57	7.4	10.4	0.37	32600
V341901		7.2	11	5.82	442	7.61	11.40	0.07	0.7	0.551	2.03	17.4	16.9	0.34	13750
V341902		57.2	17	4.71	1110	9.42	7.42	0.08	0.5	3.55	1.31	12.4	35.7	0.51	6010



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168347

Sample Description	Method Analyte Units LOR	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm
		0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05
V341867		0.02	3.8	2.0	280	>10000	109.0	<0.002	>10.0	137.5	6.0	2	7.5	56.8	0.31	0.32
V341868		0.05	6.5	4.4	490	410	120.0	0.002	2.76	17.05	7.7	1	4.4	183.5	0.60	0.44
V341869		0.03	2.9	4.3	210	2760	49.0	0.002	>10.0	33.6	2.3	2	5.3	103.0	0.26	1.74
V341870		0.02	3.6	2.4	400	7400	135.5	0.002	8.88	29.7	7.0	2	8.1	108.5	0.33	1.19
V341871		0.02	4.0	2.6	350	>10000	167.0	<0.002	5.91	147.5	6.6	1	7.0	33.6	0.40	0.35
V341872		0.03	5.2	11.5	850	323	142.5	0.008	>10.0	15.80	16.7	1	4.5	72.1	0.33	8.86
V341873		0.06	4.6	14.9	440	1660	143.5	0.004	7.85	104.5	8.1	2	10.4	62.8	0.40	0.70
V341874		0.01	0.9	1.4	40	>10000	22.8	0.002	>10.0	471	1.4	5	19.5	19.1	0.08	3.16
V341875		0.03	6.1	2.9	500	9970	127.5	<0.002	5.09	183.0	7.0	1	6.8	186.0	0.50	0.44
V341876		0.03	5.4	4.2	420	535	132.5	0.017	>10.0	34.7	6.7	4	8.2	177.0	0.43	5.80
V341877		0.01	0.2	1.7	190	17.1	1.1	<0.002	0.02	0.42	0.2	1	0.2	49.2	0.06	<0.05
V341878		0.03	4.9	6.8	410	>10000	113.5	0.002	5.85	375	6.3	1	4.1	151.0	0.46	0.61
V341879		0.03	7.1	11.0	880	>10000	67.5	0.002	5.86	284	4.9	1	3.7	388	0.52	0.22
V341880		0.02	5.1	5.1	440	2670	164.0	0.010	7.58	173.0	6.8	1	4.7	27.5	0.42	4.19
V341881		0.04	7.6	5.9	800	4320	115.5	0.002	3.47	105.5	6.4	1	3.6	313	0.64	0.68
V341882		0.04	7.9	6.0	790	4360	120.0	0.002	3.64	105.0	6.9	1	3.7	316	0.57	0.67
V341883		0.01	2.8	2.0	190	4160	81.1	0.002	>10.0	419	4.6	1	11.9	7.0	0.23	3.33
V341884		0.01	2.7	2.3	150	>10000	77.0	<0.002	>10.0	490	4.5	3	10.7	11.1	0.23	2.65
V341885		1.08	2.1	19.4	550	>10000	27.2	0.066	>10.0	180.0	10.9	11	17.2	215	0.14	0.48
V341886		0.02	3.0	1.8	220	>10000	81.3	<0.002	>10.0	1665	5.2	2	28.5	11.9	0.24	0.95
V341887		0.06	7.5	2.9	610	1450	207	0.002	4.29	20.8	11.4	1	6.3	28.9	0.58	<0.05
V341888		0.04	7.0	2.9	550	3330	171.0	<0.002	4.29	245	11.2	1	6.8	92.7	0.57	<0.05
V341889		0.04	6.5	3.6	560	5950	197.0	<0.002	4.16	28.0	10.1	<1	7.8	44.0	0.53	<0.05
V341890		0.07	7.4	7.0	640	1690	179.0	<0.002	3.43	24.5	10.3	<1	3.8	140.5	0.60	0.07
V341891		0.07	7.3	6.7	640	1595	178.0	<0.002	3.14	22.8	10.2	<1	3.7	158.5	0.61	0.05
V341892		0.03	6.2	8.7	670	466	118.5	0.004	2.72	69.2	8.3	<1	4.5	158.5	0.47	0.07
V341893		0.02	5.3	2.2	390	6330	116.5	<0.002	3.94	70.2	6.6	1	5.2	125.5	0.43	<0.05
V341894		0.01	2.3	1.6	170	>10000	66.9	<0.002	>10.0	1245	3.5	2	13.4	32.5	0.19	2.53
V341895		0.01	2.5	2.0	210	>10000	79.3	<0.002	>10.0	2280	3.9	2	14.1	12.9	0.21	3.61
V341896		0.01	0.7	5.9	50	>10000	11.5	0.015	>10.0	3560	1.2	2	22.5	58.7	0.05	1.99
V341897		<0.01	0.8	1.6	70	>10000	13.4	<0.002	>10.0	3410	1.0	3	17.3	24.9	0.06	2.32
V341898		<0.01	0.1	1.5	160	35.5	1.4	0.002	0.02	5.40	0.2	1	<0.2	54.7	<0.05	<0.05
V341899		0.01	1.5	2.1	130	>10000	50.5	0.002	>10.0	2060	2.3	3	19.7	8.1	0.13	2.64
V341900		0.01	1.0	2.0	80	>10000	35.4	0.002	>10.0	1610	2.3	2	17.9	12.2	0.08	2.29
V341901		0.02	4.1	3.1	340	>10000	116.5	0.008	6.38	394	7.0	<1	14.3	15.4	0.33	<0.05
V341902		0.01	2.7	3.4	250	2340	78.9	0.008	7.85	462	4.9	1	3.2	39.8	0.22	2.60



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168347

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		Th	Ti	Ti	U	V	W	Y	Zn	Zr	Au
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
V341867		6.12	0.127	2.19	2.3	37	4.1	7.4	>10000	18.9	3.12
V341868		9.79	0.190	1.87	4.6	52	4.3	9.7	615	38.8	0.205
V341869		3.92	0.078	0.92	23.3	23	4.9	4.8	3580	11.9	1.330
V341870		5.64	0.120	2.31	2.0	43	2.7	8.6	5910	20.3	0.395
V341871		12.15	0.131	2.37	3.3	45	4.0	5.9	>10000	27.1	9.60
V341872		6.29	0.272	2.31	14.4	116	9.6	13.2	231	57.4	0.329
V341873		9.04	0.164	2.19	5.3	56	6.9	9.5	3380	24.8	1.645
V341874		1.40	0.026	0.42	1.3	11	1.3	2.0	>10000	3.9	4.57
V341875		9.76	0.187	2.37	4.3	52	4.2	8.8	7600	39.3	1.995
V341876		6.04	0.173	1.91	2.7	48	3.8	7.2	344	29.0	0.197
V341877		0.11	<0.005	0.02	0.5	2	0.1	0.8	31	0.5	0.005
V341878		7.34	0.159	2.00	6.7	47	3.1	7.5	>10000	39.8	>10.0
V341879		6.42	0.236	1.42	15.9	49	3.8	9.5	>10000	104.5	>10.0
V341880		9.22	0.163	2.57	373	54	5.4	13.3	6170	25.3	1.260
V341881		8.64	0.231	2.16	5.4	54	2.6	10.5	2800	87.7	0.519
V341882		9.18	0.233	2.27	5.7	53	2.5	10.9	2920	90.4	0.530
V341883		4.58	0.097	1.00	1.5	33	2.2	2.9	6020	9.2	>10.0
V341884		3.85	0.094	1.15	2.8	35	2.0	3.8	>10000	9.8	>10.0
V341885		1.51	0.173	7.31	2.1	120	7.6	12.8	>10000	10.4	>10.0
V341886		4.39	0.110	1.33	3.7	35	3.8	3.9	>10000	11.3	>10.0
V341887		11.00	0.265	2.46	4.9	66	6.8	6.5	3610	26.3	0.122
V341888		11.40	0.244	2.41	2.6	73	4.4	6.9	7730	27.5	2.21
V341889		12.60	0.243	2.36	1.9	73	4.3	6.9	6300	32.9	0.127
V341890		12.30	0.267	2.48	7.6	78	7.9	7.5	2280	44.9	0.085
V341891		12.05	0.271	2.48	7.9	79	7.9	7.4	2160	45.7	0.082
V341892		9.11	0.242	1.78	10.5	81	8.5	8.3	1300	58.9	0.266
V341893		9.71	0.164	2.18	11.4	44	3.5	14.8	>10000	24.9	0.657
V341894		3.86	0.086	1.13	1.8	28	3.8	3.1	>10000	9.8	>10.0
V341895		4.44	0.094	1.77	3.5	29	2.2	4.7	>10000	10.9	>10.0
V341896		1.10	0.023	1.17	15.7	12	1.9	2.1	>10000	4.7	>10.0
V341897		1.20	0.026	1.02	7.0	9	1.5	6.0	>10000	5.2	>10.0
V341898		0.08	<0.005	0.02	1.0	1	0.1	0.8	62	<0.5	0.032
V341899		3.02	0.057	1.04	1.7	18	1.6	3.2	>10000	5.9	>10.0
V341900		1.99	0.036	0.74	12.8	22	2.9	10.7	>10000	4.9	>10.0
V341901		7.80	0.155	1.66	24.2	56	7.2	7.8	>10000	18.7	2.03
V341902		5.33	0.099	1.35	24.0	41	6.6	8.1	9550	12.5	>10.0



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168347

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-01	CRU-32	CRU-QC	LOG-21d
	LOG-22	LOG-23	PUL-35a	PUL-35ad
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	Au-GRA22	Cu-OG62
	ME-MS61	ME-OG62	Pb-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

CERTIFICATE WH17168353

Project: Klaza

P.O. No.: 17-107

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168353

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W589007		4.54		0.36	7.67	224	2620	1.63	0.43	2.00	1.27	37.1	11.0	11	23.4	7.9
W589008		3.53		0.20	8.23	338	2100	1.45	0.41	1.21	2.14	47.5	8.4	12	29.6	10.9
W589009		9.75		0.12	9.49	466	2600	1.41	0.47	1.10	1.87	50.6	8.2	11	19.70	16.4
W589010		3.94		0.42	7.34	604	1550	1.61	0.22	1.59	5.24	48.1	9.7	9	20.6	13.2
W589011		4.75		4.12	7.14	699	970	1.44	1.86	0.86	6.01	44.9	9.1	9	19.85	98.6
W589012		2.44		7.29	7.04	3040	730	1.61	0.98	1.33	28.6	44.2	6.4	9	16.25	57.6
W589013		0.26		25.7	5.75	3370	440	1.28	20.3	2.08	78.0	40.9	10.4	19	14.95	440
W589014		10.41		0.77	7.74	4250	1580	1.82	0.53	1.01	11.95	54.0	9.5	9	19.05	29.3
W589015		6.32		7.39	7.73	1285	750	1.04	1.15	0.11	8.33	46.0	2.6	9	17.20	38.8
W589016		8.00		3.93	8.02	1640	1110	2.01	1.26	0.19	29.7	59.7	2.8	10	18.60	111.5
W589017		7.35		3.36	8.36	955	990	1.71	0.72	1.29	48.1	56.2	8.7	9	14.90	69.3
W589018		4.59		8.80	7.27	7780	470	1.30	6.39	0.23	14.45	50.0	2.8	9	10.65	286
W589019		3.57		0.16	7.11	63.8	2080	1.59	0.31	2.30	1.17	47.0	8.1	10	14.00	12.5
W589020		0.26		39.0	5.74	2520	390	1.14	34.8	1.59	43.2	34.3	16.8	22	10.40	1160
W589021		12.55		1.35	7.38	37.4	2030	1.62	0.46	3.35	0.71	51.7	8.8	14	10.15	8.8
W589022		11.57		0.17	7.53	48.0	1950	1.65	0.43	2.75	0.72	52.1	8.4	12	10.85	10.3
W589023		13.82		0.20	7.90	19.0	2280	1.75	0.73	1.90	0.41	57.8	9.0	12	12.40	38.6
W589024		5.16		0.23	7.72	20.4	2210	1.75	0.48	2.19	0.44	51.7	8.9	12	11.65	65.5
W589025		8.07		0.13	7.21	28.5	1710	1.60	0.60	2.45	1.07	49.2	8.5	12	12.40	33.1
W589026		1.80		0.24	5.69	50.0	3670	1.34	0.32	6.19	1.51	42.6	7.9	7	14.00	20.0
W589027		3.65		0.08	7.05	30.3	2430	1.58	0.51	2.51	0.87	49.4	8.2	10	10.85	15.2
W589028		1.99	1.160	16.55	5.28	611	1620	1.44	4.87	3.08	71.1	49.9	8.5	9	9.55	141.5
W589029		11.97		0.33	7.74	40.8	1950	1.83	0.24	3.65	2.16	81.0	7.1	15	25.8	24.0
W589030		6.06		0.07	7.39	34.2	1840	1.69	0.14	3.24	0.40	83.1	8.8	32	27.7	7.5
W589031		2.45		1.75	8.82	187.0	1920	2.44	0.81	0.76	2.27	87.2	7.6	16	48.5	29.2
W589032		5.13		5.47	5.59	2140	330	1.38	3.00	2.37	39.2	39.0	9.1	9	12.90	131.0
W589033		5.96		0.08	0.08	9.1	30	0.08	0.04	19.65	0.23	1.21	0.7	1	0.24	2.0
W589034		4.60		0.93	7.09	136.5	1050	1.38	0.61	2.64	3.56	51.8	8.1	9	19.70	26.8
W589035		5.02		2.76	6.24	806	740	1.62	0.25	2.33	8.58	33.5	6.8	9	21.5	39.9
W589036		<0.02		2.79	6.77	817	730	1.66	0.22	1.62	8.86	40.8	6.8	9	21.4	41.8
W589037		6.89		0.33	6.52	81.6	1030	1.59	0.24	2.47	0.65	35.6	7.7	10	23.4	18.6
W589038		5.55		0.08	6.98	6.7	2020	1.51	0.53	2.74	0.14	49.4	7.8	11	13.95	7.9
W589039		6.02		0.02	0.07	1.2	20	<0.05	0.04	20.2	0.07	1.26	0.7	<1	0.18	2.2
W589040		9.74		0.59	7.29	9.1	1880	1.31	2.32	2.48	0.49	55.2	7.1	10	13.05	10.9
W589041		4.20		3.08	6.61	292	930	1.33	0.82	0.75	16.70	46.8	7.8	9	16.30	33.7
W589042		13.18		0.15	7.18	133.0	1310	1.69	0.36	2.56	1.12	53.0	7.7	12	16.10	9.5



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17168353

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
W589007		3.64	17.90	0.08	1.2	0.100	3.04	15.9	20.0	0.22	1210	0.80	0.24	8.6	3.0	700
W589008		3.18	18.35	0.09	1.3	0.094	2.67	22.4	61.2	0.13	770	0.76	0.06	8.7	2.8	710
W589009		3.84	19.90	0.09	1.2	0.054	2.90	23.7	31.0	0.24	1060	0.82	0.08	8.9	2.6	790
W589010		3.54	15.95	0.16	1.0	0.052	3.02	25.8	24.4	0.43	4430	1.20	0.03	7.2	4.0	600
W589011		4.58	15.80	0.12	1.0	0.215	2.77	24.4	29.4	0.44	4120	2.39	0.02	7.0	3.2	540
W589012		4.46	14.10	0.13	0.9	0.133	3.20	24.8	12.4	0.60	6610	2.12	0.04	6.4	1.8	630
W589013		6.44	13.80	0.11	0.8	1.665	2.57	22.1	24.0	0.89	1920	12.25	0.04	5.7	15.8	440
W589014		4.29	16.75	0.15	1.1	0.171	3.24	28.9	23.2	0.51	3960	0.92	0.29	8.0	3.2	660
W589015		4.13	17.50	0.13	0.9	1.070	3.57	26.6	7.1	0.26	157	1.01	0.02	7.2	1.0	440
W589016		4.99	17.10	0.14	1.2	0.744	3.19	31.6	25.9	0.26	480	1.24	0.02	8.1	2.2	910
W589017		5.48	18.00	0.13	1.2	0.394	4.01	30.7	8.3	0.76	5240	0.72	0.03	7.8	2.5	770
W589018		6.81	16.40	0.12	1.0	1.010	3.31	27.4	7.0	0.33	764	0.80	0.02	7.3	1.0	630
W589019		2.89	15.60	0.14	1.1	0.045	2.49	25.8	14.9	0.74	893	0.77	1.91	7.5	2.9	590
W589020		8.86	13.45	0.11	0.7	1.475	2.51	18.0	17.9	0.66	2350	15.80	0.06	4.5	14.4	460
W589021		3.18	16.10	0.15	1.2	0.062	2.49	28.3	12.4	0.86	847	0.93	1.85	7.5	3.6	620
W589022		3.18	16.70	0.15	1.3	0.052	2.56	27.4	14.3	0.85	994	1.75	1.83	8.5	3.5	660
W589023		3.12	17.75	0.15	1.3	0.057	2.69	30.9	40.0	0.85	691	2.05	0.79	9.4	4.3	700
W589024		3.01	17.10	0.14	1.2	0.052	2.66	26.5	28.9	0.84	698	1.08	1.17	8.3	3.3	670
W589025		3.12	16.70	0.13	1.1	0.060	2.52	26.5	17.3	0.77	863	1.44	1.32	7.8	3.0	610
W589026		3.13	13.55	0.13	0.9	0.038	1.66	24.7	18.3	1.29	1700	0.62	1.30	5.7	2.0	450
W589027		2.94	15.85	0.16	1.1	0.045	2.58	26.1	13.0	0.80	787	0.92	1.64	7.6	2.7	590
W589028		3.11	12.15	0.13	1.6	0.174	0.72	27.8	66.3	1.06	5290	3.99	0.03	7.3	4.0	550
W589029		2.63	19.35	0.18	2.6	0.041	2.06	43.8	85.6	1.35	1420	1.85	0.04	12.6	4.8	990
W589030		3.60	18.95	0.17	4.1	0.045	2.09	43.0	77.4	1.50	1100	0.87	0.04	12.2	11.8	1760
W589031		1.84	22.1	0.16	2.8	0.076	2.76	47.1	33.8	0.49	615	1.39	0.05	15.3	4.7	1080
W589032		4.26	13.25	0.12	1.0	0.491	2.30	21.1	38.5	0.82	4200	7.75	0.03	5.8	3.0	450
W589033		0.47	0.28	0.15	<0.1	0.013	0.03	0.6	1.2	12.50	225	0.12	<0.01	0.2	1.5	180
W589034		3.52	15.95	0.11	1.3	0.117	2.10	28.8	62.2	0.95	2860	2.87	0.02	7.9	3.0	590
W589035		3.77	16.05	0.11	1.1	0.096	3.07	17.9	21.6	0.29	7720	2.27	0.02	7.1	3.1	540
W589036		3.67	15.95	0.11	1.1	0.092	3.07	22.6	22.4	0.27	7540	2.28	0.02	7.1	3.0	560
W589037		3.12	16.10	0.12	1.2	0.066	2.84	18.3	52.8	0.32	1600	1.20	0.35	7.5	2.9	590
W589038		2.85	15.65	0.14	1.1	0.045	2.59	26.8	8.3	0.64	688	1.26	1.85	7.5	2.7	590
W589039		0.47	0.26	0.15	<0.1	0.010	0.03	0.6	0.9	12.95	212	0.06	0.01	0.1	1.4	200
W589040		2.93	15.25	0.15	1.2	0.058	2.61	31.4	8.9	0.58	845	2.23	1.71	7.3	2.5	600
W589041		4.83	15.25	0.12	0.9	0.390	3.02	25.8	11.4	0.63	5120	1.14	0.02	6.3	2.8	520
W589042		3.28	16.20	0.14	1.1	0.062	2.86	27.8	31.2	0.84	1880	0.65	0.44	7.7	2.9	630



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168353

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	0.01	0.005	0.1
W589007		83.0	125.5	<0.002	0.10	15.30	12.0	1	2.2	74.8	0.61	<0.05	9.56	0.314	2.9
W589008		57.3	111.0	<0.002	0.04	25.6	13.1	1	2.4	116.5	0.72	<0.05	13.05	0.312	3.2
W589009		23.9	114.5	<0.002	0.03	16.80	14.1	1	2.3	71.4	0.66	<0.05	12.70	0.345	2.9
W589010		101.0	176.5	0.002	0.04	35.2	10.7	1	1.8	82.6	0.54	<0.05	11.75	0.274	3.8
W589011		332	177.5	0.002	0.17	85.8	11.2	1	3.6	105.0	0.54	<0.05	11.50	0.262	3.1
W589012		746	205	0.002	0.36	53.5	10.3	1	3.8	81.3	0.50	<0.05	12.00	0.244	3.7
W589013		2820	151.0	0.003	4.75	87.7	7.6	1	7.3	88.7	0.44	0.37	10.00	0.178	4.8
W589014		184.0	189.5	<0.002	0.41	29.8	12.2	1	2.3	82.9	0.61	<0.05	12.85	0.284	3.6
W589015		1985	222	0.002	1.10	60.7	11.0	<1	10.0	82.6	0.53	<0.05	10.05	0.273	2.2
W589016		879	198.0	<0.002	0.65	28.9	13.1	1	6.3	84.4	0.70	<0.05	16.65	0.278	9.9
W589017		958	245	0.002	0.64	20.0	13.2	1	4.0	36.8	0.64	<0.05	14.35	0.281	4.8
W589018		1505	206	0.002	2.74	69.5	11.8	<1	12.9	56.4	0.59	<0.05	12.50	0.265	3.8
W589019		42.3	101.0	<0.002	0.02	3.83	11.1	1	1.9	340	0.65	<0.05	13.05	0.262	1.8
W589020		1610	141.0	0.004	7.87	100.5	7.9	2	9.7	61.2	0.37	0.75	8.54	0.164	4.9
W589021		32.8	105.0	0.002	0.12	3.15	12.1	1	1.9	361	0.61	<0.05	12.90	0.271	2.6
W589022		49.4	114.5	0.002	0.08	4.97	13.2	1	2.7	333	0.67	<0.05	14.40	0.281	2.5
W589023		21.4	109.5	0.002	0.04	7.51	14.0	1	2.6	199.5	0.72	<0.05	15.65	0.306	2.8
W589024		21.3	80.0	0.002	0.03	6.03	13.2	1	1.9	247	0.64	<0.05	14.25	0.288	2.1
W589025		25.4	120.5	0.002	0.06	6.42	12.6	1	2.1	213	0.63	<0.05	14.75	0.272	2.1
W589026		33.3	100.5	<0.002	0.17	12.85	8.5	1	1.9	258	0.47	<0.05	12.30	0.196	1.6
W589027		23.1	106.5	<0.002	0.06	5.34	11.0	1	2.2	264	0.63	<0.05	12.75	0.256	2.0
W589028		1305	43.8	0.003	0.81	81.5	4.9	1	2.4	196.5	0.50	0.05	8.08	0.178	14.4
W589029		38.3	84.5	0.003	0.15	17.15	6.8	1	3.2	434	0.83	<0.05	12.00	0.290	9.4
W589030		17.7	85.2	<0.002	0.05	15.15	8.4	1	1.2	921	0.75	<0.05	8.81	0.438	2.8
W589031		111.0	115.5	0.002	0.49	23.9	7.0	1	2.4	256	0.89	<0.05	13.30	0.319	18.8
W589032		668	141.0	0.003	2.74	74.2	8.8	1	4.0	74.6	0.48	0.12	10.15	0.195	27.5
W589033		4.0	1.8	<0.002	0.02	0.67	0.2	<1	0.2	47.7	<0.05	<0.05	0.12	<0.005	0.8
W589034		153.0	100.0	0.002	0.79	32.4	10.0	1	2.4	167.5	0.73	<0.05	13.30	0.250	19.5
W589035		256	185.0	0.002	0.05	44.4	9.9	1	4.0	78.7	0.54	<0.05	11.20	0.253	3.5
W589036		268	198.5	0.002	0.05	43.4	10.5	1	3.9	72.0	0.56	<0.05	11.90	0.255	3.3
W589037		33.9	131.5	<0.002	0.02	14.40	10.8	1	3.0	103.0	0.59	<0.05	11.20	0.266	3.0
W589038		15.1	111.5	0.002	0.03	8.13	11.2	1	2.7	325	0.59	<0.05	13.50	0.259	2.3
W589039		1.4	1.4	<0.002	0.01	0.12	0.2	<1	<0.2	49.1	<0.05	<0.05	0.13	<0.005	0.7
W589040		28.0	122.5	0.002	0.01	2.69	10.3	1	2.9	285	0.57	<0.05	14.80	0.260	2.5
W589041		910	186.0	0.002	1.03	22.2	9.4	1	6.0	26.5	0.49	0.05	10.70	0.221	2.8
W589042		32.8	110.0	<0.002	0.09	10.80	11.7	1	2.5	155.5	0.63	<0.05	13.15	0.276	2.9



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Project: Klaza

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168353

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	Au-AA24 Au ppm 0.005
W589007		83	2.4	10.6	428	28.0	0.005
W589008		86	3.9	13.7	554	30.3	0.007
W589009		101	3.9	15.5	596	28.9	<0.005
W589010		79	2.1	15.6	1200	26.2	0.005
W589011		75	4.3	11.2	1280	26.7	0.085
W589012		68	4.0	13.8	2020	24.5	0.402
W589013		55	4.8	9.9	5450	24.3	2.21
W589014		79	2.5	16.2	1930	29.3	1.320
W589015		81	3.9	3.6	700	23.3	0.094
W589016		80	3.3	10.7	1360	31.2	0.098
W589017		80	3.6	14.9	3320	33.3	0.031
W589018		75	5.2	5.5	907	27.9	1.820
W589019		72	1.6	16.7	858	27.8	0.008
W589020		55	6.8	9.6	3390	22.5	1.825
W589021		76	1.5	18.4	240	30.0	0.143
W589022		81	2.8	18.0	311	34.2	0.009
W589023		87	7.7	17.4	207	36.6	<0.005
W589024		80	4.6	16.2	226	34.6	<0.005
W589025		77	2.7	15.7	384	32.4	<0.005
W589026		61	2.0	17.5	348	24.5	<0.005
W589027		72	2.0	15.2	340	29.0	<0.005
W589028		38	4.2	12.9	>10000	58.6	0.752
W589029		58	6.0	15.8	812	98.7	<0.005
W589030		86	2.8	14.2	133	175.0	0.005
W589031		60	3.5	15.9	330	109.5	0.080
W589032		66	7.1	12.7	4580	24.8	0.463
W589033		3	0.1	0.8	41	<0.5	<0.005
W589034		73	5.6	16.7	874	32.5	0.031
W589035		73	5.4	16.0	822	30.8	0.060
W589036		72	5.7	17.1	828	30.4	0.062
W589037		78	3.3	14.3	119	30.5	0.010
W589038		72	1.6	16.4	48	29.9	<0.005
W589039		3	0.1	0.8	18	<0.5	<0.005
W589040		73	1.6	17.5	83	31.2	<0.005
W589041		69	7.1	8.9	1760	26.2	0.043
W589042		75	2.6	15.1	629	30.3	0.007



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168353

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Zn-OG62
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

CERTIFICATE WH17168355

Project: Klaza

P.O. No.: 17-106

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND 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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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17168355

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W588971		4.02	0.72	7.64	34.5	1680	1.78	0.55	1.64	1.07	48.9	7.6	22	19.25	29.2	3.75
W588972		6.73	0.67	8.12	253	1320	1.71	0.62	0.95	6.35	57.0	9.5	16	15.65	36.2	3.64
W588973		8.73	1.00	8.41	420	1900	1.76	0.97	0.97	11.40	55.2	11.8	13	20.6	135.0	3.44
W588974		3.95	2.20	8.53	1865	1550	2.01	0.94	0.23	30.4	56.7	6.5	22	20.7	1255	4.20
W588975		5.76	14.15	6.21	6450	2770	1.07	19.65	0.24	24.3	46.5	1.8	10	15.35	239	4.59
W588976		0.26	26.6	5.98	3520	320	1.45	19.65	2.20	82.7	44.9	11.4	19	14.70	446	6.68
W588977		4.87	0.57	5.79	695	1470	1.82	0.86	3.68	4.78	33.6	10.6	25	18.15	68.0	3.33
W588978		2.01	2.34	7.55	1275	1690	1.81	0.48	1.08	12.50	54.0	9.6	19	15.95	45.3	5.03
W588979		9.21	0.15	7.70	103.5	1950	1.70	0.51	2.18	0.70	50.1	8.6	20	14.95	11.4	3.35
W588980		4.51	0.09	6.96	284	1590	1.79	0.22	2.53	0.61	46.3	7.8	32	16.50	13.3	3.32
W588981		2.33	0.16	5.53	860	1630	1.70	0.31	3.85	0.92	33.9	9.1	21	20.8	12.0	3.37
W588982		3.06	0.12	6.11	120.0	1520	1.80	0.27	4.21	0.18	40.6	9.2	8	16.75	10.6	3.19
W588983		<0.02	0.10	6.24	114.5	1480	1.80	0.23	4.15	0.19	38.0	8.4	9	16.20	9.0	3.25
W588984		5.29	1.86	6.84	495	1000	1.59	0.26	3.31	0.27	49.0	8.6	8	18.05	9.4	3.08
W588985		4.92	0.29	6.56	146.0	3530	1.76	0.40	4.94	0.15	49.2	11.0	8	17.00	6.4	3.72
W588986		6.38	0.11	6.79	63.3	1720	1.66	0.60	3.63	0.10	51.5	8.3	9	16.55	4.7	3.13
W588987		6.57	0.09	6.78	89.1	1900	1.49	0.26	3.26	3.17	53.9	7.6	9	21.1	9.5	3.37
W588988		2.51	0.07	6.78	84.7	2360	1.49	0.28	3.18	3.23	47.1	7.5	8	20.8	8.9	3.42
W588989		4.57	0.18	7.47	195.5	1610	1.43	0.26	1.64	3.89	49.5	6.8	9	22.5	15.6	3.01
W588990		2.33	6.82	6.46	1420	1290	1.66	0.94	3.54	12.75	41.4	6.9	8	18.25	36.7	3.54
W588991		4.35	0.44	6.95	159.0	2570	1.84	0.31	2.90	7.53	68.7	5.2	15	12.30	14.6	2.71
W588992		11.46	0.24	6.89	91.8	1160	1.46	0.17	2.43	4.55	66.2	4.9	14	4.51	8.3	2.53
W588993		8.92	0.14	7.43	32.3	1010	1.78	0.14	2.31	0.96	75.3	8.8	23	24.4	10.0	2.92
W588994		0.26	39.8	5.78	2660	90	1.28	36.6	1.70	47.4	37.6	17.2	23	10.05	1195	9.21
W588995		2.31	18.75	7.71	46.5	880	1.26	0.20	1.73	8.06	78.2	8.1	28	32.7	48.2	3.20
W588996		2.30	26.8	5.63	1060	360	0.91	16.55	1.44	27.8	38.3	14.5	9	11.10	487	5.62
W588997		5.93	0.03	0.05	0.9	20	<0.05	0.05	20.9	0.08	1.05	0.5	1	0.14	2.3	0.48
W588998		2.48	3.63	6.78	234	670	0.93	1.63	1.38	7.78	52.3	7.9	9	16.20	50.4	4.31
W588999		9.68	0.41	7.45	14.5	1730	1.04	0.25	1.98	0.40	52.7	7.2	9	22.8	20.9	3.94
W589000		6.37	0.60	7.68	27.4	1650	1.19	0.28	1.81	0.49	50.4	8.6	9	20.3	12.5	3.45
W589001		2.16	1.30	6.66	219	1920	1.13	1.43	2.94	2.79	43.6	9.3	9	18.75	14.9	3.81
W589002		4.59	0.18	7.58	33.1	1310	1.23	0.24	1.64	0.47	47.4	7.4	10	26.7	9.0	3.38
W589003		6.32	0.01	0.06	1.6	200	<0.05	0.05	20.6	0.07	1.13	0.5	<1	0.18	1.6	0.48
W589004		4.50	1.39	6.73	332	1870	1.37	0.23	2.53	5.20	34.9	9.1	10	19.40	20.5	3.34
W589005		4.25	1.01	6.26	150.0	2410	1.13	0.24	2.45	3.05	29.1	9.2	12	29.2	26.8	3.50
W589006		11.64	0.40	7.44	82.0	1970	1.20	1.52	1.99	0.85	33.0	8.9	10	26.8	9.6	3.40



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168355

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W588971		16.65	0.10	1.2	0.079	3.51	26.8	41.9	0.83	2170	1.38	0.06	7.9	2.7	640
W588972		17.15	0.12	1.1	0.089	3.16	32.2	38.9	0.26	1760	1.53	0.10	6.9	3.6	660
W588973		18.60	0.11	1.2	0.122	3.24	29.7	49.9	0.23	1800	1.17	0.07	8.9	3.5	710
W588974		18.15	0.11	1.2	0.162	3.23	30.2	59.9	0.14	2990	2.09	0.07	8.7	2.7	630
W588975		15.95	0.09	1.0	0.379	2.84	27.0	17.1	0.20	16400	7.64	0.03	6.7	1.4	360
W588976		15.05	0.09	0.9	1.815	2.71	23.7	26.9	0.91	1940	13.65	0.04	6.2	16.2	460
W588977		17.30	0.10	1.3	0.051	3.47	14.5	14.6	0.24	3090	2.20	0.02	8.6	4.9	570
W588978		16.70	0.10	1.2	0.282	3.02	29.4	36.0	0.37	2510	2.60	0.27	7.8	2.9	540
W588979		17.05	0.09	1.4	0.055	2.90	27.0	22.2	0.45	1200	1.70	1.45	8.3	2.8	620
W588980		17.45	0.12	1.4	0.059	2.94	23.6	33.7	0.61	1440	2.42	0.07	8.6	2.9	610
W588981		15.20	0.09	1.2	0.038	2.89	14.7	29.9	0.27	3090	3.66	0.04	7.5	2.6	540
W588982		15.95	0.10	1.2	0.039	3.08	18.8	39.2	0.40	1950	1.58	0.04	8.0	2.5	590
W588983		15.50	0.09	1.2	0.041	3.08	17.6	39.1	0.41	1900	2.03	0.04	7.9	2.5	610
W588984		15.95	0.09	1.2	0.048	3.36	26.2	18.1	1.00	2480	0.57	0.03	7.8	2.5	600
W588985		15.15	0.10	1.1	0.043	2.74	27.1	26.2	1.38	1780	0.73	0.06	6.7	2.7	530
W588986		16.75	0.10	1.3	0.043	2.68	26.7	28.7	0.81	1130	0.53	0.44	8.2	2.5	620
W588987		15.75	0.11	1.1	0.053	2.52	30.3	45.9	1.14	1400	0.52	0.08	7.6	2.3	580
W588988		15.20	0.09	1.1	0.056	2.50	26.1	49.2	1.12	1420	0.53	0.07	7.2	2.2	560
W588989		16.95	0.10	1.2	0.047	2.91	25.6	42.1	0.64	1780	0.68	0.07	8.1	2.1	630
W588990		15.50	0.09	1.1	0.110	2.77	21.6	15.7	1.09	8790	1.77	0.02	6.9	2.6	540
W588991		17.80	0.10	2.8	0.043	0.75	37.8	105.0	0.94	1820	2.04	0.02	10.8	3.5	910
W588992		17.45	0.08	2.4	0.025	0.30	34.4	133.0	0.80	1400	1.79	0.02	11.2	3.0	840
W588993		18.75	0.12	3.4	0.032	1.54	39.9	102.0	1.00	1090	0.93	0.03	11.6	8.3	1290
W588994		14.40	0.08	0.8	1.605	2.65	18.5	18.7	0.68	2370	17.40	0.06	4.9	14.6	470
W588995		16.45	0.08	4.2	0.048	1.51	41.7	59.0	0.91	1350	3.22	0.03	10.8	10.4	1580
W588996		13.40	0.06	1.0	0.586	2.61	20.7	7.7	0.47	5090	13.75	0.02	5.4	3.5	460
W588997		0.16	0.07	<0.1	0.006	0.02	0.5	0.6	13.15	215	0.43	<0.01	0.1	1.4	180
W588998		14.30	0.06	1.0	0.184	3.03	28.6	10.9	0.64	7670	5.45	0.02	6.5	2.5	560
W588999		15.45	0.07	1.1	0.088	3.18	28.0	25.6	0.85	2210	14.00	0.06	7.3	2.4	680
W589000		16.50	0.08	1.2	0.063	2.83	26.0	35.1	0.77	1560	0.51	0.06	7.8	2.9	680
W589001		13.85	0.07	1.0	0.085	2.78	24.2	21.8	0.92	3040	1.64	0.04	6.3	3.5	540
W589002		17.00	0.09	1.2	0.057	2.57	24.7	47.8	0.65	1640	0.75	0.06	7.8	2.5	650
W589003		0.20	0.08	<0.1	0.005	0.02	0.5	0.7	13.10	216	0.08	<0.01	0.1	1.4	150
W589004		16.30	0.05	1.2	0.079	2.76	15.0	23.2	0.23	3540	1.09	0.23	7.6	2.8	610
W589005		15.90	0.08	1.2	0.067	2.57	12.6	50.9	0.22	3700	1.10	0.03	7.4	2.9	620
W589006		17.75	0.08	1.2	0.051	2.53	14.3	47.3	0.29	1270	0.88	0.06	8.6	2.9	700



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168355

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		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 0.01	% 0.005	ppm 0.02	ppm 0.1	ppm 1
W588971		181.0	<0.002	0.37	21.6	11.4	2	2.7	98.0	0.62	<0.05	13.45	0.269	2.73	5.1	77
W588972		180.0	<0.002	0.02	11.55	11.2	1	2.8	34.2	0.52	<0.05	12.70	0.251	2.22	3.0	82
W588973		151.5	<0.002	0.04	16.30	12.5	1	3.8	68.9	0.67	<0.05	14.45	0.298	2.10	3.3	84
W588974		155.0	<0.002	0.05	26.5	12.3	1	2.6	98.3	0.63	<0.05	14.35	0.297	2.31	6.3	82
W588975		167.0	<0.002	0.36	147.0	8.7	1	8.4	187.5	0.58	<0.05	9.21	0.220	2.10	4.9	63
W588976		162.5	<0.002	4.80	98.1	8.0	1	8.4	90.9	0.47	0.37	10.35	0.181	2.49	5.5	58
W588977		167.5	<0.002	0.06	14.00	10.2	1	1.7	45.8	0.74	<0.05	9.96	0.269	2.86	2.7	78
W588978		173.0	<0.002	0.19	24.2	10.7	1	7.4	111.0	0.65	<0.05	13.65	0.253	2.06	5.0	73
W588979		127.0	<0.002	0.02	7.35	11.1	1	2.2	252	0.71	<0.05	14.40	0.266	1.37	2.9	76
W588980		131.0	<0.002	0.09	12.65	11.3	1	2.9	76.9	0.73	<0.05	12.45	0.277	1.93	3.3	79
W588981		132.5	<0.002	0.07	16.50	9.5	1	2.7	58.2	0.62	<0.05	8.95	0.248	2.22	6.3	71
W588982		141.5	<0.002	0.09	8.47	10.9	1	2.3	58.2	0.63	<0.05	11.50	0.266	2.17	4.7	75
W588983		141.0	<0.002	0.09	8.39	10.3	1	2.1	56.8	0.59	<0.05	10.20	0.267	2.18	4.6	75
W588984		187.0	<0.002	0.17	20.3	10.8	1	2.1	64.1	0.60	<0.05	12.60	0.261	2.44	4.1	72
W588985		157.5	<0.002	0.28	10.85	9.9	1	1.8	140.0	0.51	<0.05	11.65	0.227	1.90	2.5	77
W588986		80.0	<0.002	0.09	10.05	11.6	1	1.7	149.0	0.65	<0.05	13.45	0.268	1.58	3.0	76
W588987		90.0	<0.002	0.11	11.20	10.9	1	2.0	148.5	0.59	<0.05	13.55	0.253	1.82	3.8	71
W588988		121.0	<0.002	0.12	10.50	10.1	1	2.0	148.5	0.54	<0.05	12.05	0.245	1.82	3.5	71
W588989		127.5	<0.002	0.11	17.00	11.5	<1	2.0	94.1	0.62	<0.05	12.70	0.272	2.18	2.5	77
W588990		166.0	0.002	1.18	38.7	9.7	1	3.4	111.5	0.54	<0.05	11.00	0.235	2.76	7.7	64
W588991		39.6	<0.002	0.16	43.1	6.2	1	1.9	513	0.70	<0.05	10.20	0.263	1.16	20.9	55
W588992		8.2	<0.002	0.13	15.85	5.8	1	1.5	502	0.72	<0.05	9.76	0.251	0.96	9.6	50
W588993		63.1	<0.002	0.09	24.0	6.7	1	1.5	366	0.74	<0.05	9.59	0.350	1.42	8.4	64
W588994		151.0	<0.002	7.99	109.5	8.1	2	10.9	61.5	0.38	0.71	8.91	0.167	2.24	5.5	58
W588995		60.8	0.002	0.11	57.2	5.7	<1	1.9	486	0.73	<0.05	9.01	0.405	1.39	10.6	78
W588996		143.5	0.003	3.72	203	6.6	<1	4.8	39.3	0.42	0.14	9.21	0.196	2.29	13.9	57
W588997		0.8	<0.002	<0.01	0.27	0.1	1	<0.2	49.6	<0.05	<0.05	0.08	<0.005	<0.02	0.9	2
W588998		166.0	<0.002	1.87	38.6	8.8	<1	3.2	48.1	0.51	<0.05	11.45	0.239	2.67	20.4	70
W588999		151.5	0.003	0.17	14.00	9.9	1	2.1	90.1	0.59	<0.05	11.75	0.286	2.20	3.9	83
W589000		119.0	<0.002	0.12	14.70	10.9	1	2.3	99.1	0.61	<0.05	12.60	0.291	1.94	2.9	83
W589001		146.0	<0.002	0.66	23.7	9.2	1	1.5	89.8	0.51	<0.05	11.20	0.235	2.37	7.8	72
W589002		109.0	<0.002	0.11	18.50	11.1	1	1.8	81.3	0.61	<0.05	12.15	0.286	1.64	3.3	81
W589003		1.0	<0.002	0.01	0.14	0.1	1	<0.2	52.1	<0.05	<0.05	0.09	<0.005	<0.02	0.6	2
W589004		123.0	<0.002	0.11	22.0	10.3	1	2.0	117.5	0.60	<0.05	9.74	0.280	2.49	3.2	83
W589005		112.5	<0.002	0.11	23.3	8.7	1	1.8	109.5	0.58	<0.05	8.17	0.279	2.63	2.7	81
W589006		91.4	<0.002	0.05	19.35	10.9	<1	2.0	107.5	0.64	<0.05	9.30	0.317	1.74	2.6	92



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
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CERTIFICATE OF ANALYSIS WH17168355

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W588971		5.8	16.8	150	29.2	0.014
W588972		3.4	13.5	768	27.7	0.017
W588973		4.4	16.5	1360	31.3	0.014
W588974		2.3	18.3	2420	30.0	0.028
W588975		4.2	7.4	2560	24.6	1.705
W588976		5.3	9.9	5540	26.3	2.27
W588977		2.0	12.8	949	31.1	0.023
W588978		4.7	14.9	1220	29.9	0.020
W588979		2.6	17.2	293	32.8	0.005
W588980		3.0	15.2	468	33.6	0.005
W588981		1.9	14.8	920	26.8	0.008
W588982		1.6	13.9	402	27.9	<0.005
W588983		1.6	12.9	398	28.3	<0.005
W588984		2.3	13.0	152	30.1	0.022
W588985		2.1	14.2	154	28.2	0.011
W588986		2.0	14.3	143	31.9	<0.005
W588987		3.5	16.6	461	27.9	<0.005
W588988		3.1	14.9	483	27.1	<0.005
W588989		4.9	15.2	499	30.8	<0.005
W588990		6.1	12.3	1120	28.6	0.200
W588991		2.7	15.0	498	106.5	0.007
W588992		3.0	12.0	348	82.8	<0.005
W588993		3.7	13.4	173	132.0	<0.005
W588994		7.3	10.0	3460	23.0	1.895
W588995		3.6	13.9	535	161.0	0.026
W588996		10.7	7.8	2140	28.2	1.280
W588997		0.1	0.7	18	<0.5	<0.005
W588998		8.1	11.5	747	23.6	0.123
W588999		5.7	14.6	103	25.6	<0.005
W589000		5.6	15.7	113	28.6	<0.005
W589001		4.8	14.2	328	23.0	0.032
W589002		7.0	14.9	98	29.3	<0.005
W589003		0.1	0.7	18	<0.5	<0.005
W589004		3.0	12.1	506	28.3	0.041
W589005		3.6	10.4	449	28.0	0.013
W589006		5.2	12.1	278	28.3	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 17-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168355

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE WH17168359

Project: Klaza

P.O. No.: 17-109

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17168359

Sample Description	Method Analyte Units LOR	WEI-21	Pb-OG62	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
		Recvd Wt.	Pb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		kg	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W589043		11.15		0.10	7.13	118.0	2020	1.69	0.19	2.38	0.20	48.0	7.9	10	9.97	6.8
W589044		3.20		0.05	7.18	5.5	2090	1.70	0.13	2.53	0.11	45.4	7.7	13	8.79	5.9
W589045		4.42		0.47	6.46	286	2130	1.31	0.16	5.14	4.31	48.2	7.3	10	9.81	11.4
W589046		1.99		0.69	6.40	95.1	930	1.37	0.64	2.46	1.68	45.1	8.8	9	18.75	7.3
W589047		0.26		11.05	6.21	1500	700	1.59	10.80	1.77	31.8	44.6	16.0	19	12.80	271
W589048		3.35		0.10	8.07	7.2	1790	1.31	0.27	1.00	0.18	50.6	6.8	9	17.40	8.3
W589049		6.80		0.35	6.76	41.4	1590	1.79	0.35	2.79	1.56	47.8	7.1	12	14.65	9.9
W589050		5.11		0.99	6.24	92.2	4400	2.05	0.27	3.54	0.70	58.2	5.9	15	19.00	14.6
W589051		8.75		0.11	6.93	46.6	2270	1.55	0.23	2.72	0.34	67.0	5.0	14	21.9	6.7
W589052		10.31		8.60	6.77	1375	630	1.48	0.69	2.02	11.00	46.0	6.6	9	16.35	51.4
W589053		5.95		0.02	0.07	1.4	30	0.05	0.04	19.80	0.06	1.23	0.7	<1	0.17	1.6
W589054		3.38		0.22	8.25	41.3	1490	1.37	0.20	1.44	0.34	55.9	6.6	10	28.1	8.8
W589055		<0.02		0.21	8.05	43.9	1380	1.45	0.20	1.51	0.41	52.6	6.8	9	25.8	9.4
W589056		1.25		2.42	8.24	54.7	1540	2.20	4.77	0.88	6.21	78.5	9.7	9	24.1	33.1
W589057		5.68		0.20	7.09	4.5	1730	1.26	0.31	2.18	0.57	47.7	7.0	9	8.83	33.2
W589058		3.12		0.52	7.48	197.0	2790	1.79	0.65	1.19	1.75	56.1	9.7	10	17.15	11.6
W589059		8.69		0.13	6.98	8.8	1630	1.49	0.27	2.44	1.04	45.8	6.8	10	11.70	9.2
W589060		8.52		0.10	7.18	5.1	1750	1.31	0.36	2.97	0.23	55.4	8.2	12	10.40	11.3
W589061		13.19		0.17	7.03	8.0	1810	1.54	0.34	2.40	0.20	50.3	7.8	9	10.20	18.7
W589062		9.37		0.29	7.71	33.1	1750	1.62	0.34	1.46	1.27	51.3	13.8	10	13.05	17.9
W589063		3.83		0.49	7.68	48.8	1540	1.83	0.50	1.33	1.87	54.0	15.1	9	13.05	23.9
W589064		3.09		1.26	7.72	102.0	1030	1.78	0.52	0.80	5.26	62.4	12.3	9	11.95	15.8
W589065		9.12		0.12	7.31	8.0	2130	1.61	0.24	1.99	0.93	57.1	7.0	11	11.85	8.1
W589066		9.51		0.17	7.16	5.6	1710	1.52	0.39	2.47	0.47	53.5	7.1	10	11.80	9.4
W589067		2.18		1.61	5.97	92.5	1130	1.43	0.96	2.21	4.46	51.1	10.3	8	11.35	64.4
W589068		0.26		38.6	5.58	2510	70	1.31	32.1	1.65	45.7	36.3	15.6	23	9.85	1170
W589069		3.65		0.18	7.47	234	1980	1.79	0.26	2.40	3.74	46.3	7.8	9	13.10	29.9
W589070		2.49		11.20	6.94	1505	2430	1.41	1.40	0.24	43.1	44.6	8.2	9	15.15	160.0
W589071		6.07		0.02	0.06	2.6	110	0.08	0.04	20.0	0.13	1.13	0.7	<1	0.19	1.8
W589072		5.78		13.10	6.46	775	1290	1.30	1.01	2.27	48.5	41.4	6.1	8	15.90	108.5
W589073		2.08	1.040	92.8	3.64	1065	390	0.86	0.98	9.07	61.4	30.4	5.2	4	8.40	140.5
W589074		4.80		0.65	7.64	401	1880	1.53	0.75	1.81	0.97	54.7	8.7	10	12.85	16.9
W589075		3.60		1.92	6.98	917	2260	1.43	410	2.63	2.26	59.6	18.4	10	8.75	149.0
W589076		8.58		0.20	8.16	129.0	1980	1.38	1.25	1.46	0.47	64.0	9.3	11	12.75	24.1
W589077		3.15		1.41	5.99	514	740	1.44	3.18	4.35	2.58	43.3	11.3	7	15.85	28.1
W589078		13.27		0.21	7.27	359	1910	1.93	0.31	2.00	0.96	47.3	9.9	11	13.25	8.8



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17168359

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
W589043		3.23	15.70	0.08	1.1	0.042	2.59	25.5	14.0	0.79	698	0.80	1.70	7.1	2.7	600
W589044		3.08	16.40	0.08	1.1	0.040	2.45	22.9	14.8	0.85	640	0.90	2.16	7.6	2.7	630
W589045		3.12	14.50	0.08	1.0	0.299	2.52	25.7	32.2	0.67	1320	1.42	0.11	6.7	2.4	530
W589046		4.44	14.60	0.08	1.1	0.137	2.85	24.5	22.1	1.00	3400	0.84	0.05	6.3	2.7	490
W589047		6.18	14.75	0.09	1.1	0.779	2.68	23.2	20.3	0.72	1790	8.91	0.12	6.0	11.7	510
W589048		2.81	17.70	0.09	1.4	0.044	2.58	26.9	35.5	0.53	733	0.82	0.11	8.1	2.2	620
W589049		3.33	15.80	0.09	1.3	0.050	2.79	25.2	23.6	0.73	1620	0.74	0.83	7.3	2.4	560
W589050		2.62	15.45	0.10	2.8	0.038	1.64	32.4	42.0	1.16	2540	3.15	0.02	8.8	4.9	890
W589051		2.62	18.30	0.10	2.7	0.032	1.59	34.5	58.2	0.91	1480	1.57	0.02	11.4	3.2	900
W589052		4.10	15.60	0.09	1.2	0.115	2.67	25.8	26.3	0.75	5240	4.82	0.02	6.7	2.5	530
W589053		0.46	0.23	<0.05	<0.1	0.005	0.02	0.6	1.2	12.65	211	0.12	0.01	0.2	1.4	280
W589054		2.94	18.90	0.10	1.4	0.046	2.62	29.7	43.6	0.59	1800	1.13	0.06	8.8	2.2	690
W589055		2.90	17.85	0.07	1.3	0.048	2.69	28.3	46.5	0.60	1960	1.13	0.06	8.2	2.2	660
W589056		4.45	17.70	0.11	1.4	0.636	3.39	45.1	33.0	0.31	2050	2.86	0.05	7.9	3.3	630
W589057		2.77	16.20	0.08	1.3	0.048	2.47	26.4	21.0	0.60	703	0.97	0.14	7.6	2.4	600
W589058		4.82	16.85	0.10	1.2	0.325	3.37	33.2	27.7	0.27	2500	3.44	0.03	7.5	2.8	600
W589059		3.39	16.05	0.08	1.2	0.097	2.68	22.7	19.8	0.34	1560	0.89	0.53	7.4	2.3	590
W589060		3.09	15.95	0.09	1.3	0.046	2.25	30.6	21.1	0.76	981	0.76	0.64	7.6	2.7	700
W589061		2.85	15.45	0.07	1.4	0.038	2.48	27.1	14.0	0.65	647	1.05	1.47	7.4	2.5	580
W589062		3.74	17.00	0.09	1.5	0.087	3.03	28.7	17.7	0.44	1760	1.13	0.71	8.4	2.6	640
W589063		3.59	17.00	0.09	1.5	0.129	3.08	29.8	15.5	0.38	2080	1.00	0.63	8.2	2.6	630
W589064		4.27	17.85	0.08	1.4	0.167	2.36	35.7	24.1	0.22	2060	1.69	0.09	7.7	3.1	590
W589065		2.76	17.00	0.08	1.6	0.042	2.73	30.7	15.1	0.53	619	0.75	1.41	8.1	2.5	610
W589066		2.92	16.00	0.10	1.6	0.063	2.39	29.3	14.8	0.54	891	0.78	1.33	7.9	2.3	610
W589067		4.47	15.35	0.09	1.2	0.610	1.92	28.3	22.2	0.19	2140	1.98	0.50	6.4	2.4	490
W589068		9.06	14.15	0.10	0.9	1.525	2.54	18.1	16.9	0.66	2360	16.90	0.06	4.7	14.0	450
W589069		3.07	16.10	0.08	1.3	0.042	2.75	23.2	33.8	0.52	1100	1.14	1.14	7.5	2.4	600
W589070		4.64	14.85	0.07	1.2	0.088	2.77	23.9	60.9	0.20	5820	3.24	0.02	6.7	1.4	500
W589071		0.48	0.18	<0.05	<0.1	0.006	0.03	0.5	1.3	12.70	222	0.22	<0.01	0.1	1.3	180
W589072		3.49	14.30	0.07	1.2	0.086	2.57	20.9	119.0	0.70	6390	1.61	0.02	6.5	1.7	540
W589073		5.20	8.03	0.07	0.6	0.054	1.61	16.2	19.1	3.00	11450	1.59	0.02	3.9	1.4	320
W589074		3.02	16.40	0.11	1.5	0.038	2.74	30.0	26.1	0.59	541	1.10	0.82	7.8	2.8	610
W589075		5.05	15.55	0.09	1.2	0.063	2.52	32.8	20.7	0.42	1030	10.40	0.40	7.5	4.5	610
W589076		2.97	17.55	0.10	1.5	0.042	2.90	35.9	29.2	0.74	814	1.00	0.31	8.4	2.8	640
W589077		3.62	13.50	0.06	1.0	0.124	2.48	23.6	28.7	1.29	1990	0.83	0.05	5.4	2.2	430
W589078		3.31	15.05	0.08	1.4	0.060	2.77	25.0	27.2	0.69	1140	0.83	0.89	7.6	3.5	640



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Page: 2 - C
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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	0.01	0.005	0.1
W589043		16.1	106.0	<0.002	0.02	4.43	11.1	<1	1.7	325	0.58	<0.05	12.85	0.264	2.2
W589044		16.7	99.3	<0.002	0.01	1.68	11.8	1	1.6	377	0.60	<0.05	12.60	0.273	2.6
W589045		168.5	120.0	<0.002	0.29	12.55	10.1	1	2.5	180.5	0.54	<0.05	13.20	0.246	2.9
W589046		105.5	161.0	<0.002	1.06	17.15	9.5	1	2.2	72.2	0.53	<0.05	9.88	0.221	4.1
W589047		1220	157.0	0.002	4.42	61.1	8.8	2	7.6	89.6	0.50	1.04	10.80	0.203	4.9
W589048		21.5	117.0	<0.002	0.02	18.80	11.7	<1	1.9	77.6	0.70	<0.05	13.70	0.275	4.8
W589049		119.0	125.5	<0.002	0.28	9.42	10.6	1	1.8	213	0.63	<0.05	12.15	0.253	5.0
W589050		55.2	95.7	<0.002	0.40	44.7	5.8	1	1.5	308	0.59	<0.05	8.68	0.258	9.4
W589051		26.4	49.8	<0.002	0.19	20.4	6.1	1	1.9	348	0.79	<0.05	10.10	0.272	7.9
W589052		397	177.5	<0.002	2.39	46.5	9.7	1	5.9	77.4	0.58	<0.05	13.15	0.232	10.1
W589053		1.7	1.0	<0.002	<0.01	0.12	0.2	<1	<0.2	46.9	<0.05	<0.05	0.19	<0.005	0.7
W589054		26.3	126.5	<0.002	0.13	15.20	12.4	1	1.9	87.7	0.71	<0.05	16.25	0.302	3.4
W589055		30.1	122.0	<0.002	0.14	14.40	12.3	1	1.7	86.8	0.70	<0.05	15.45	0.300	3.6
W589056		593	194.0	<0.002	0.12	19.35	13.0	1	6.1	38.1	0.67	<0.05	15.00	0.276	5.2
W589057		29.4	104.5	<0.002	<0.01	7.16	10.9	1	6.0	101.0	0.70	<0.05	13.30	0.263	1.8
W589058		101.0	182.5	<0.002	0.06	11.45	12.2	1	7.9	40.5	0.62	<0.05	13.90	0.264	4.5
W589059		19.0	125.0	<0.002	0.01	4.89	10.7	<1	4.6	116.0	0.60	<0.05	12.35	0.266	3.1
W589060		22.4	101.0	<0.002	<0.01	8.91	12.1	1	4.1	163.5	0.56	<0.05	12.90	0.273	1.8
W589061		20.9	108.5	<0.002	0.01	4.57	10.6	1	3.1	250	0.63	<0.05	14.90	0.257	1.9
W589062		32.0	144.5	<0.002	0.09	8.94	11.2	<1	2.5	135.0	0.73	<0.05	15.25	0.279	3.8
W589063		45.9	154.0	<0.002	0.09	11.20	11.2	1	2.3	115.5	0.71	<0.05	15.20	0.271	5.2
W589064		298	126.5	<0.002	0.47	18.60	11.5	1	13.2	38.4	0.66	0.05	14.65	0.260	4.9
W589065		31.7	120.0	<0.002	0.02	4.76	10.9	1	1.8	239	0.70	<0.05	15.90	0.269	2.1
W589066		30.6	106.5	<0.002	<0.01	5.42	11.3	1	2.8	243	0.69	0.05	15.45	0.266	2.7
W589067		273	95.2	<0.002	0.06	10.60	9.1	1	13.7	71.9	0.59	0.05	11.75	0.222	5.4
W589068		1620	144.5	<0.002	7.87	107.0	7.9	2	10.6	60.2	0.39	0.77	8.82	0.168	5.2
W589069		34.4	118.5	<0.002	0.01	9.66	10.7	1	3.3	238	0.63	<0.05	13.95	0.269	2.2
W589070		3280	177.0	<0.002	0.20	129.0	9.4	1	2.5	64.2	0.57	<0.05	12.75	0.241	4.2
W589071		6.4	1.2	<0.002	0.01	0.27	0.2	<1	<0.2	48.2	<0.05	<0.05	0.13	<0.005	1.4
W589072		2460	147.0	<0.002	0.32	89.0	9.0	1	1.9	106.0	0.58	<0.05	11.70	0.238	4.8
W589073		>10000	107.5	<0.002	1.67	145.5	6.3	<1	1.9	152.5	0.35	<0.05	6.40	0.141	5.1
W589074		50.8	117.0	<0.002	0.03	9.88	11.2	1	2.3	177.0	0.72	<0.05	16.60	0.267	2.2
W589075		62.7	98.3	<0.002	1.18	34.4	10.1	3	6.4	140.5	0.67	2.81	13.85	0.259	4.2
W589076		22.0	123.5	<0.002	0.07	10.45	11.4	1	3.4	103.0	0.71	<0.05	15.90	0.288	2.6
W589077		106.5	146.0	<0.002	0.70	24.4	8.2	1	2.1	110.5	0.46	0.05	10.40	0.188	3.5
W589078		28.3	115.5	<0.002	0.11	8.27	11.1	1	2.2	199.5	0.86	<0.05	14.65	0.272	2.6



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Project: Klaza

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168359

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	Au-AA24 Au ppm 0.005
W589043		73	1.6	14.5	208	25.2	<0.005
W589044		78	0.5	15.8	65	25.7	<0.005
W589045		68	2.8	14.6	464	25.3	<0.005
W589046		64	6.3	14.9	242	25.3	0.041
W589047		59	5.9	10.5	2300	27.8	0.901
W589048		77	6.0	15.1	70	32.1	<0.005
W589049		69	2.6	15.9	227	28.5	0.007
W589050		54	5.6	12.3	128	105.5	0.035
W589051		54	3.7	14.0	91	91.6	0.005
W589052		65	7.3	12.3	1080	27.6	0.448
W589053		2	0.1	0.8	18	<0.5	<0.005
W589054		82	5.1	16.5	68	33.1	<0.005
W589055		82	5.1	16.0	73	30.5	<0.005
W589056		80	3.6	20.4	813	31.1	0.022
W589057		74	4.7	16.4	123	29.0	<0.005
W589058		77	5.8	16.3	284	27.7	0.014
W589059		75	3.4	13.3	139	28.0	<0.005
W589060		78	3.7	15.8	111	30.1	<0.005
W589061		71	3.2	15.6	61	36.0	<0.005
W589062		74	3.5	17.0	127	35.6	0.008
W589063		74	3.4	18.4	166	35.4	0.017
W589064		83	5.5	16.5	766	33.8	0.014
W589065		73	2.7	15.1	149	37.9	<0.005
W589066		74	2.4	16.9	110	37.5	<0.005
W589067		71	4.7	12.3	933	29.3	0.014
W589068		56	7.5	8.8	3360	22.6	1.660
W589069		76	2.1	14.7	680	31.2	<0.005
W589070		68	5.3	10.3	2800	28.9	0.226
W589071		3	0.1	0.7	23	<0.5	<0.005
W589072		68	5.9	12.7	4880	27.5	0.078
W589073		55	3.1	15.3	4110	14.8	0.286
W589074		73	3.4	15.8	418	35.4	<0.005
W589075		71	15.8	21.5	556	30.1	0.012
W589076		76	5.6	16.6	181	36.6	<0.005
W589077		58	2.4	14.1	337	23.0	0.035
W589078		76	3.0	16.4	483	34.4	<0.005



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168359

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-AA24	ME-MS61	ME-OG62	Pb-OG62
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

CERTIFICATE WH17168362

Project: Klaza

P.O. No.: 17-111

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168362

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Zn-OG62 Zn %	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	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
W589195		8.30			0.28	6.64	39.6	1660	1.32	0.53	2.68	0.07	43.0	23.5	8	14.30
W589196		9.57			0.84	7.16	124.5	480	1.74	0.60	2.81	0.50	50.7	32.3	6	23.7
W589197		3.19			1.14	6.82	231	610	1.59	0.26	1.69	1.38	38.6	8.8	6	21.9
W589198		5.32			0.38	7.01	35.4	1560	1.64	0.30	2.35	0.12	47.1	7.6	8	14.10
W589199		4.95			0.18	7.40	11.2	3360	1.37	0.24	2.03	0.12	47.6	10.5	8	12.90
W589200		0.26	123	1.630	>100	5.51	8460	280	1.19	60.2	1.94	231	33.1	9.1	20	10.95
W589451		7.20			0.35	7.71	15.6	2260	1.61	0.41	1.85	0.27	49.2	9.9	8	11.65
W589452		12.07			0.24	7.61	27.0	1220	1.46	0.26	1.64	0.13	55.9	7.4	7	23.1
W589453		<0.02			0.21	7.23	25.5	1090	1.46	0.26	1.60	0.12	52.9	8.2	7	21.8
W589454		11.89			0.45	6.55	61.4	2080	1.73	0.52	3.07	0.44	47.0	12.0	7	48.7
W589455		2.08			0.84	5.41	74.5	370	1.72	0.54	5.13	0.35	124.0	15.8	4	14.00
W589456		9.21			0.27	6.96	35.2	1850	1.68	0.38	2.46	0.30	40.1	7.8	9	11.05
W589457		11.42			0.59	6.87	90.7	2290	1.53	0.24	2.47	0.16	43.2	4.5	11	9.53
W589458		0.26			25.1	5.78	3430	180	1.46	18.75	2.13	79.3	42.3	10.9	20	14.05
W589459		5.29			0.48	6.12	75.7	1440	1.62	0.30	3.35	0.52	37.1	3.7	7	21.7
W589460		3.95	249	4.74	>100	4.06	6940	1930	1.02	0.99	3.91	821	27.3	28.9	5	9.04
W589461		5.19			2.47	6.10	500	2020	1.65	0.40	2.86	5.36	42.5	9.5	9	35.6
W589462		2.51	133		>100	5.81	8290	140	1.50	0.66	2.37	87.8	33.3	7.4	180	18.20
W589463		6.03			0.17	0.08	5.4	40	0.06	0.03	20.4	0.15	1.08	0.8	1	0.85
W589464		8.54			0.56	6.97	60.5	3440	2.20	0.33	2.81	0.48	48.2	9.9	60	92.4
W589465		7.72			0.15	6.58	17.2	2420	1.23	0.17	3.08	0.11	41.9	4.0	6	20.5
W589466		4.83			0.45	6.23	58.3	2760	1.36	0.43	3.25	0.57	46.2	10.3	89	27.7
W589467		8.99			0.16	6.55	19.5	4180	1.41	0.28	2.59	0.16	43.5	4.3	6	23.9
W589468		13.37			0.21	6.87	29.9	2560	1.51	0.37	2.26	0.19	39.1	9.6	75	33.0
W589469		14.21			0.18	6.76	25.3	2100	1.56	0.29	2.30	0.11	44.9	7.3	7	36.3
W589470		14.14			0.24	6.62	31.8	2880	1.80	0.35	2.42	0.17	40.6	11.6	60	41.1
W589471		14.06			0.22	6.73	30.7	4600	1.75	0.37	2.31	0.23	45.7	6.8	7	52.9
W589472		13.48			0.27	6.83	44.0	1320	2.61	0.31	2.58	0.14	61.8	10.6	31	87.4
W589473		1.87			0.24	7.19	24.2	1050	2.43	0.20	0.75	0.10	64.5	3.8	7	41.2
W589474		6.01			0.01	0.09	<0.2	30	0.08	0.04	20.5	0.06	1.35	0.9	7	0.86
W589475		2.08			0.20	6.18	32.6	4650	1.66	0.18	4.68	0.09	43.5	6.4	7	15.95
W589476		2.88			0.37	6.93	43.2	7890	2.36	0.30	3.10	0.12	60.9	8.6	32	27.6
W589477		6.55			0.18	7.55	31.6	1850	2.10	0.34	1.53	0.10	52.2	6.7	10	39.4
W589478		3.29			0.15	7.39	19.3	1940	1.91	0.31	1.79	0.14	49.3	4.8	56	28.0
W589479		6.13			0.18	7.02	20.5	2890	1.72	0.38	2.17	0.09	52.5	9.3	43	17.05
W589480		8.00			0.31	7.20	40.5	2920	1.99	0.51	2.43	0.12	47.8	12.8	10	17.50



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168362

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm	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
		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
W589195		6.5	3.89	14.45	0.12	0.8	0.104	1.95	22.1	35.3	0.81	947	0.25	0.65	6.5	2.4
W589196		10.6	4.59	15.15	0.13	1.0	0.076	2.82	26.7	50.1	0.75	1760	0.47	0.03	7.2	2.7
W589197		2.9	3.05	14.10	0.10	0.9	0.060	2.89	20.2	26.2	0.69	2340	0.97	0.04	5.8	1.9
W589198		4.5	3.46	15.50	0.14	0.8	0.161	3.32	24.9	31.1	0.79	1340	3.43	0.26	7.0	2.0
W589199		3.6	3.60	15.70	0.12	0.9	0.076	2.98	24.4	19.9	0.55	896	2.09	0.98	7.7	2.2
W589200		1260	8.10	12.60	0.10	1.0	4.59	2.29	16.6	31.8	0.64	3090	14.80	0.08	5.2	13.6
W589451		43.2	3.79	16.05	0.12	0.9	0.153	3.08	25.8	22.6	0.70	922	1.26	0.64	6.9	2.3
W589452		11.1	3.20	15.70	0.12	0.9	0.116	2.89	30.6	38.0	0.70	917	0.61	0.04	7.2	2.5
W589453		10.1	3.13	15.20	0.12	0.9	0.114	2.79	28.4	36.7	0.66	893	0.63	0.04	6.9	2.5
W589454		46.8	3.05	14.95	0.12	0.8	0.128	2.46	25.7	44.9	0.78	1450	0.95	0.02	6.5	2.3
W589455		2.4	7.38	17.20	0.15	0.9	0.261	1.67	71.4	76.2	1.63	3540	0.29	0.02	3.0	5.0
W589456		2.8	3.39	15.65	0.11	1.0	0.179	3.23	20.7	37.6	0.85	1460	0.24	0.05	7.2	2.6
W589457		8.5	3.07	15.40	0.13	1.0	0.156	3.80	22.3	9.8	0.64	1550	0.63	0.45	7.2	2.4
W589458		419	6.42	14.10	0.12	0.9	1.725	2.56	22.0	25.7	0.88	1820	13.70	0.04	5.5	22.6
W589459		1.4	2.73	14.35	0.12	1.0	0.127	2.76	18.3	18.5	0.53	2020	0.64	0.48	7.0	2.0
W589460		123.5	5.75	9.60	0.11	0.6	0.155	1.73	13.2	19.9	0.66	4850	7.36	0.03	3.7	1.7
W589461		7.4	2.65	15.15	0.11	0.9	0.132	2.65	22.3	24.0	0.64	3620	1.40	0.05	6.6	1.9
W589462		82.7	4.71	15.60	0.11	0.7	0.191	2.61	17.2	18.9	0.62	5370	4.17	0.05	5.3	4.6
W589463		1.8	0.47	0.26	0.10	<0.1	0.011	0.04	0.5	1.3	12.90	206	0.08	<0.01	0.2	1.3
W589464		17.6	2.83	15.40	0.14	1.1	0.109	2.35	23.9	35.5	0.62	1300	0.68	0.40	7.7	3.2
W589465		16.1	2.86	14.95	0.13	1.2	0.069	3.04	20.5	21.3	0.60	1130	0.69	0.67	7.3	1.8
W589466		11.4	3.03	14.15	0.13	1.0	0.105	2.70	23.9	20.9	0.68	1830	1.54	0.39	6.4	2.6
W589467		14.1	2.93	14.45	0.13	0.8	0.117	2.63	22.6	29.5	0.64	1200	0.81	0.37	6.9	4.8
W589468		11.7	3.10	14.90	0.13	0.9	0.106	2.80	21.3	38.6	0.76	1320	0.70	0.03	7.0	3.2
W589469		12.3	2.91	15.40	0.12	1.0	0.072	2.86	23.3	47.2	0.70	1170	0.81	0.03	7.2	2.8
W589470		15.2	2.95	15.30	0.12	1.0	0.087	2.95	21.5	39.3	0.74	1280	0.70	0.03	6.7	3.0
W589471		27.3	2.57	16.10	0.13	1.1	0.072	3.06	22.8	39.3	0.64	1100	0.41	0.03	7.4	2.8
W589472		24.6	2.53	17.65	0.15	2.0	0.070	2.43	33.8	50.8	0.98	788	1.00	0.04	7.5	5.2
W589473		14.2	1.45	17.00	0.12	1.5	0.044	3.21	37.1	23.6	0.51	327	0.27	0.04	7.4	3.1
W589474		1.6	0.48	0.34	0.14	<0.1	0.008	0.04	0.7	1.3	12.80	199	0.10	<0.01	0.2	1.8
W589475		4.2	3.34	12.65	0.13	1.1	0.077	2.60	24.7	14.9	1.67	1140	0.31	0.03	6.2	3.8
W589476		23.7	2.51	17.85	0.16	2.0	0.064	2.99	34.4	16.9	1.15	799	0.74	0.04	7.7	5.0
W589477		8.5	2.26	17.40	0.17	1.7	0.101	2.69	27.7	22.3	0.62	560	0.35	1.31	8.1	4.0
W589478		7.1	2.46	17.15	0.15	1.5	0.093	2.72	25.5	21.3	0.64	626	0.25	1.54	8.2	3.9
W589479		3.9	3.13	16.35	0.12	1.2	0.165	2.69	27.4	18.5	0.78	741	0.50	0.78	7.2	3.0
W589480		6.1	3.21	15.80	0.14	1.2	0.128	2.83	26.2	22.7	0.97	952	0.67	0.05	6.9	4.3



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17168362

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
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
W589195		530	9.3	106.0	<0.002	0.81	7.43	9.0	1	2.2	133.0	0.47	0.07	11.25	0.222	2.63
W589196		590	29.4	142.5	<0.002	2.14	13.90	9.2	<1	2.6	112.5	0.58	0.10	13.40	0.236	3.53
W589197		500	38.4	150.5	<0.002	1.07	24.0	7.7	1	1.4	64.4	0.50	<0.05	12.50	0.204	2.85
W589198		570	13.1	135.0	<0.002	0.59	8.37	9.8	<1	2.0	109.5	0.55	0.05	12.65	0.239	2.08
W589199		680	20.5	113.5	<0.002	0.10	11.15	11.4	1	2.4	156.5	0.57	<0.05	13.25	0.271	1.46
W589200		460	9970	130.5	<0.002	7.05	218	6.9	1	8.4	118.5	0.38	0.52	8.36	0.183	2.14
W589451		640	16.9	127.0	<0.002	0.13	9.40	10.1	1	2.1	132.0	0.52	<0.05	13.00	0.239	1.81
W589452		560	14.7	136.0	<0.002	0.29	11.10	10.0	<1	2.6	135.5	0.56	<0.05	14.05	0.235	3.32
W589453		570	13.9	123.0	<0.002	0.30	10.50	9.6	1	2.3	130.0	0.55	<0.05	13.60	0.228	3.34
W589454		540	27.7	125.0	<0.002	0.79	11.95	9.0	<1	3.7	160.0	0.51	0.05	11.30	0.216	3.74
W589455		470	122.5	82.2	<0.002	1.38	13.45	7.6	2	1.5	288	0.28	<0.05	8.68	0.138	5.34
W589456		570	17.9	159.0	<0.002	0.48	6.53	8.9	1	1.5	102.0	0.61	<0.05	13.55	0.224	3.12
W589457		530	11.8	170.5	<0.002	0.78	8.11	8.8	1	1.5	119.5	0.59	<0.05	14.20	0.222	2.88
W589458		440	2790	156.0	0.003	4.69	88.0	7.7	1	7.7	88.7	0.43	0.46	10.00	0.173	2.39
W589459		490	20.3	114.5	<0.002	0.72	8.43	8.1	1	1.3	225	0.59	<0.05	10.45	0.209	2.06
W589460		270	1345	91.7	<0.002	7.20	148.5	4.9	1	5.3	150.0	0.31	0.31	6.73	0.116	1.52
W589461		490	80.3	132.0	<0.002	1.30	15.90	8.2	1	2.4	99.8	0.54	0.06	11.75	0.201	2.87
W589462		400	298	138.0	<0.002	4.04	155.0	6.2	1	3.7	77.1	0.43	0.10	9.18	0.173	2.39
W589463		180	1.9	3.5	<0.002	0.01	0.24	0.2	1	<0.2	50.0	<0.05	<0.05	0.09	<0.005	0.03
W589464		540	23.6	108.5	<0.002	0.64	11.50	8.9	1	3.7	204	0.61	<0.05	13.10	0.239	2.36
W589465		510	13.4	117.5	<0.002	0.19	6.97	8.1	1	3.4	190.5	0.63	<0.05	13.05	0.217	1.89
W589466		510	19.8	120.0	<0.002	0.79	8.62	8.3	1	2.9	182.0	0.54	0.07	12.15	0.202	2.16
W589467		540	15.2	111.5	0.002	0.46	8.12	9.5	<1	2.9	169.5	0.55	<0.05	12.25	0.220	2.40
W589468		550	16.8	134.5	0.002	0.64	8.85	10.0	<1	3.0	130.0	0.56	0.05	12.75	0.215	3.13
W589469		570	17.1	121.0	0.002	0.39	9.94	9.7	1	2.8	147.0	0.60	<0.05	13.15	0.222	2.52
W589470		520	16.6	129.5	0.002	0.54	8.74	9.3	1	3.3	150.0	0.56	0.06	12.40	0.206	2.11
W589471		560	21.9	118.5	<0.002	0.39	9.99	9.6	<1	4.3	184.5	0.60	<0.05	12.10	0.228	3.39
W589472		660	18.7	110.5	<0.002	0.32	23.1	8.5	<1	2.5	225	0.58	<0.05	11.40	0.246	2.05
W589473		640	17.7	144.0	<0.002	0.07	17.05	9.4	1	1.4	97.2	0.58	<0.05	14.35	0.232	1.89
W589474		180	0.6	1.9	<0.002	<0.01	0.10	0.2	<1	<0.2	49.1	<0.05	<0.05	0.12	<0.005	0.03
W589475		480	14.9	93.4	0.002	0.45	8.08	7.3	<1	1.4	200	0.54	<0.05	12.10	0.195	4.01
W589476		660	15.7	126.0	<0.002	0.38	9.09	8.0	<1	1.8	291	0.61	<0.05	12.60	0.240	2.00
W589477		660	20.7	101.5	<0.002	0.18	8.20	9.4	<1	1.8	265	0.65	<0.05	13.55	0.250	1.89
W589478		650	19.3	97.4	<0.002	0.08	7.13	10.0	1	2.0	282	0.64	<0.05	13.00	0.242	1.41
W589479		550	10.0	107.0	<0.002	0.30	7.44	9.9	<1	1.8	176.0	0.59	<0.05	13.45	0.219	1.59
W589480		550	12.6	125.5	0.002	0.48	10.95	9.6	<1	1.4	136.0	0.59	0.05	13.50	0.204	2.99



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 16-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17168362

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	Au-AA24 Au ppm 0.005
W589195		3.0	61	1.4	13.4	56	21.1	0.009
W589196		4.4	63	1.6	13.3	92	28.0	0.033
W589197		3.0	51	2.2	10.1	122	25.2	0.053
W589198		2.8	67	2.8	12.7	62	19.8	0.011
W589199		2.0	74	3.2	14.9	74	22.3	<0.005
W589200		4.9	53	4.2	8.8	>10000	31.4	4.31
W589451		1.9	69	2.2	13.7	86	20.9	<0.005
W589452		2.8	66	1.9	13.9	73	25.6	<0.005
W589453		2.7	64	1.8	13.5	71	24.1	0.006
W589454		18.9	62	2.3	14.7	95	22.2	0.027
W589455		42.1	73	1.6	22.3	152	25.3	0.032
W589456		8.6	60	1.8	12.0	87	26.4	0.011
W589457		5.3	58	1.7	11.9	57	26.2	0.077
W589458		4.7	55	5.0	9.0	5280	24.4	2.28
W589459		13.0	54	1.6	12.1	82	27.9	0.033
W589460		2.9	34	1.1	9.0	>10000	16.2	2.37
W589461		5.3	52	1.5	11.2	395	25.5	0.291
W589462		8.9	49	2.6	8.3	4530	21.7	3.68
W589463		0.6	2	0.1	0.7	31	<0.5	<0.005
W589464		25.5	61	2.2	14.3	90	31.8	0.015
W589465		2.8	55	2.0	13.7	65	33.9	<0.005
W589466		4.2	56	2.1	13.0	102	26.0	0.026
W589467		4.5	61	1.7	13.7	69	24.5	0.007
W589468		4.6	59	2.0	13.6	75	26.6	0.009
W589469		4.9	62	2.0	13.4	71	30.7	0.006
W589470		5.5	58	1.8	13.5	70	32.1	0.011
W589471		15.2	63	2.1	12.9	104	37.1	0.005
W589472		14.7	65	2.0	13.3	94	82.4	0.006
W589473		6.0	62	1.7	11.4	53	55.1	<0.005
W589474		0.6	2	0.1	0.8	16	0.7	<0.005
W589475		4.2	55	1.0	12.5	87	34.7	<0.005
W589476		5.5	70	1.5	14.3	83	78.9	<0.005
W589477		4.4	65	1.3	13.8	65	59.4	<0.005
W589478		3.0	64	1.3	14.3	70	52.5	<0.005
W589479		3.0	63	1.3	14.4	65	35.2	<0.005
W589480		4.2	62	1.2	12.8	73	36.6	0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 16-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168362

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

CERTIFICATE WH17168365

Project: Klaza

P.O. No.: TR-1

This report is for 23 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

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

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168365

Sample Description	Method Analyte Units LOR	WEI-21	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
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	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
V340428		4.02	0.42	7.94	48.5	940	1.54	0.34	0.39	0.38	53.1	6.4	14	10.70	24.0	3.12
V340429		4.82	0.59	7.84	57.6	1020	1.45	0.39	0.25	0.56	53.2	6.6	13	11.85	24.7	3.10
V340430		3.10	0.25	8.26	45.7	780	1.50	0.37	0.24	0.49	59.3	7.3	12	12.25	22.8	3.34
V340431		3.88	0.28	8.64	54.7	1110	1.60	0.24	0.28	0.44	66.4	7.0	13	13.10	24.6	3.13
V340432		5.08	0.29	8.64	39.6	1420	1.54	0.23	1.89	0.37	44.6	11.2	12	9.22	39.4	3.56
V340433		2.83	0.31	8.46	53.0	1170	1.60	0.22	1.53	0.38	47.7	9.5	12	9.07	40.0	3.52
V340434		2.36	0.46	8.52	116.0	1120	1.53	0.37	0.30	0.54	54.5	6.0	12	12.00	67.4	3.30
V340435		2.90	0.39	9.01	52.6	1470	1.65	0.97	0.39	0.45	58.8	6.6	13	12.65	70.4	3.70
V340436		3.19	0.49	8.55	61.2	1460	1.62	0.27	1.07	0.53	55.8	9.4	22	8.93	78.0	3.87
V340437		0.26	12.50	6.86	1700	140	1.57	12.20	1.95	35.1	46.8	18.6	21	13.70	294	6.87
V340438		3.53	0.44	8.62	57.4	1040	1.74	0.41	0.66	0.45	52.5	10.3	13	9.43	139.5	3.80
V340439		3.02	1.10	8.62	270	1250	1.67	0.34	0.86	0.65	52.9	8.2	12	12.30	77.1	3.69
V340440		2.93	0.84	8.55	86.7	1020	1.67	1.33	0.59	0.52	55.3	9.1	13	11.25	110.5	3.64
V340441		5.68	0.88	8.89	129.5	1720	1.88	1.75	0.41	0.63	63.7	6.7	17	11.15	99.8	3.69
V340442		5.28	1.15	8.24	192.0	1380	1.80	0.90	0.28	0.79	53.0	6.0	15	10.15	84.8	3.70
V340443		5.61	0.72	8.38	54.3	1050	1.85	0.81	0.32	0.66	51.2	7.8	11	17.25	66.2	3.34
V340444		4.78	0.31	8.60	26.3	700	1.70	0.36	0.34	0.25	50.9	7.0	14	10.10	37.1	3.41
V340445		4.60	0.68	8.44	25.4	1000	1.51	0.50	0.26	0.31	49.0	6.3	13	8.97	55.7	3.39
V340446		5.76	0.44	8.43	29.8	1020	1.91	0.75	0.55	0.29	48.3	10.6	13	9.55	81.6	3.54
V340447		6.14	0.29	8.44	16.4	1240	1.69	0.29	0.29	0.25	63.1	5.4	10	9.97	53.7	2.86
V340448		5.57	0.28	7.26	11.8	940	1.55	0.40	0.25	0.19	53.2	6.3	9	10.25	32.4	2.33
V340449		4.45	0.28	8.27	16.2	720	1.76	0.21	0.26	0.30	56.1	7.6	12	8.35	48.2	3.15
V340450		6.32	0.33	8.01	14.7	1200	2.13	1.06	0.42	0.29	47.2	8.4	10	10.10	49.8	2.98



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
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CERTIFICATE OF ANALYSIS WH17168365

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
V340428		15.15	0.12	1.0	0.032	2.85	29.1	21.6	0.29	547	3.48	0.79	8.4	5.6	600
V340429		16.45	0.18	1.0	0.027	3.08	27.8	21.4	0.27	540	4.53	0.34	8.5	6.9	580
V340430		17.80	0.16	0.9	0.032	2.80	33.0	50.6	0.25	523	4.38	0.17	8.8	6.5	630
V340431		16.55	0.11	1.0	0.041	2.64	35.2	169.5	0.19	587	3.26	0.69	9.6	6.2	660
V340432		16.50	0.11	0.8	0.043	2.13	23.9	22.2	0.53	472	1.78	2.06	8.1	6.1	680
V340433		16.50	0.12	0.8	0.044	2.30	25.2	17.4	0.46	500	2.66	1.63	8.3	6.5	680
V340434		16.50	0.11	0.8	0.046	2.78	30.1	56.3	0.22	482	3.76	1.01	8.1	5.3	610
V340435		17.70	0.11	0.8	0.060	2.91	32.2	54.2	0.26	391	2.79	1.48	8.4	5.9	670
V340436		17.10	0.12	0.9	0.046	2.59	29.3	16.9	0.50	742	3.13	1.46	8.3	9.3	760
V340437		15.55	0.12	1.1	0.845	2.99	23.4	24.4	0.80	1900	9.51	0.13	6.3	13.2	560
V340438		16.60	0.10	0.7	0.041	2.46	27.9	20.8	0.39	450	3.34	1.66	7.7	6.1	690
V340439		16.60	0.12	0.8	0.041	2.54	29.4	37.6	0.33	390	4.27	1.28	8.0	6.0	640
V340440		16.75	0.13	0.9	0.044	2.62	29.4	18.9	0.35	442	3.40	1.44	7.5	6.5	650
V340441		17.85	0.14	1.0	0.051	3.34	34.7	29.2	0.36	527	5.45	0.47	8.5	7.5	660
V340442		16.55	0.12	0.8	0.040	3.26	28.3	27.0	0.32	524	7.41	0.16	7.3	6.1	630
V340443		15.95	0.12	0.9	0.036	2.86	27.6	34.8	0.28	1020	6.34	1.20	7.8	5.3	570
V340444		17.25	0.12	1.0	0.041	2.63	26.3	30.8	0.23	297	3.08	1.60	8.5	5.9	610
V340445		16.75	0.12	0.9	0.035	2.54	25.6	45.6	0.22	276	3.11	1.25	8.2	5.7	610
V340446		16.65	0.13	0.9	0.042	2.39	25.7	29.7	0.34	321	3.05	1.67	7.8	5.9	630
V340447		15.75	0.11	1.1	0.029	2.72	34.2	33.3	0.22	267	2.47	1.31	8.4	4.2	530
V340448		15.25	0.11	0.9	0.031	2.39	29.2	30.5	0.22	248	2.19	1.14	6.7	3.9	400
V340449		17.00	0.12	0.9	0.036	2.44	30.3	33.2	0.22	357	2.92	1.41	7.5	5.2	590
V340450		17.00	0.13	0.8	0.037	2.37	26.9	125.0	0.25	382	3.36	1.19	8.0	5.1	560



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Page: 2 - C
Total # Pages: 2 (A - D)
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Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168365

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V340428		141.5	<0.002	0.01	18.35	11.2	1	1.2	97.0	0.74	<0.05	12.35	0.288	1.44	2.6	89
V340429		162.0	0.003	0.02	17.15	10.4	1	1.2	56.1	0.77	0.05	13.55	0.282	1.79	3.0	90
V340430		148.0	<0.002	0.01	15.70	11.3	1	1.3	57.0	0.74	<0.05	15.90	0.296	1.56	3.1	92
V340431		120.5	<0.002	0.01	17.65	11.3	1	1.4	134.0	0.90	<0.05	16.30	0.322	1.34	3.0	96
V340432		82.2	<0.002	0.01	5.11	11.7	1	1.3	321	0.68	<0.05	13.15	0.316	0.71	2.0	93
V340433		102.5	<0.002	0.01	13.65	12.8	1	1.3	253	0.72	<0.05	13.45	0.305	1.01	2.3	95
V340434		151.5	<0.002	0.02	15.35	12.1	<1	1.4	151.0	0.72	<0.05	14.65	0.311	1.80	3.1	95
V340435		153.5	<0.002	0.03	8.59	12.9	<1	1.5	202	0.74	<0.05	16.25	0.325	1.56	2.8	102
V340436		138.0	<0.002	0.03	9.25	13.2	1	1.5	207	0.65	<0.05	11.95	0.353	1.47	2.7	110
V340437		172.5	<0.002	4.93	67.4	9.6	2	8.4	98.7	0.52	1.46	11.50	0.219	2.67	5.1	66
V340438		125.0	<0.002	0.02	7.57	12.8	1	1.4	194.5	0.59	<0.05	13.90	0.312	1.29	2.4	103
V340439		121.0	<0.002	0.01	19.55	12.2	1	1.4	194.5	0.67	0.06	14.60	0.307	1.57	2.4	98
V340440		134.0	<0.002	0.01	8.40	12.3	1	1.4	173.5	0.62	0.06	18.00	0.289	1.48	2.2	96
V340441		187.5	<0.002	0.04	16.45	13.0	<1	1.4	131.0	0.71	0.08	15.40	0.324	2.15	2.8	106
V340442		186.5	<0.002	0.03	23.6	11.7	1	1.2	78.1	0.58	<0.05	13.95	0.282	1.99	2.6	100
V340443		145.0	<0.002	0.01	10.90	11.2	1	1.2	139.5	0.68	<0.05	16.05	0.282	1.74	2.5	91
V340444		141.5	<0.002	0.01	5.42	12.2	1	1.3	139.5	0.77	<0.05	16.15	0.299	1.69	2.6	96
V340445		139.0	<0.002	0.02	6.33	12.3	1	1.4	116.5	0.68	0.05	15.40	0.292	1.62	2.5	94
V340446		116.5	<0.002	0.01	5.13	12.2	1	1.3	193.5	0.67	<0.05	15.15	0.272	1.17	2.3	94
V340447		135.0	<0.002	0.02	4.68	9.3	<1	1.1	126.0	0.97	<0.05	16.80	0.241	1.56	2.2	76
V340448		140.5	<0.002	0.02	4.14	8.4	1	1.1	122.5	0.64	<0.05	14.70	0.186	1.69	1.8	57
V340449		128.0	<0.002	0.01	4.89	12.1	<1	1.2	139.0	0.64	<0.05	16.35	0.261	1.44	2.4	91
V340450		112.5	<0.002	0.02	6.23	12.1	1	1.2	168.5	0.67	0.09	13.85	0.265	1.10	2.3	85



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168365

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340428		2.0	11.7	79	22.2	0.007
V340429		1.9	11.2	96	19.7	0.032
V340430		1.7	12.6	77	20.5	0.006
V340431		2.9	14.9	77	22.3	0.009
V340432		1.4	13.9	91	17.0	0.018
V340433		2.4	14.9	95	17.4	0.011
V340434		3.0	14.3	79	18.2	0.015
V340435		3.2	15.3	84	19.5	0.007
V340436		5.0	17.1	86	26.5	0.010
V340437		6.3	11.2	2540	32.2	0.886
V340438		10.0	17.6	85	15.8	0.010
V340439		6.6	17.3	117	17.3	0.038
V340440		6.7	15.9	128	19.7	0.012
V340441		5.6	17.0	157	25.2	0.010
V340442		4.3	15.2	167	18.7	0.007
V340443		2.6	14.7	106	20.9	<0.005
V340444		2.4	13.8	76	22.6	<0.005
V340445		3.2	14.4	95	21.8	<0.005
V340446		3.1	17.1	77	20.6	<0.005
V340447		2.0	13.3	54	29.9	<0.005
V340448		1.9	11.1	44	25.2	<0.005
V340449		3.2	15.4	57	20.1	<0.005
V340450		2.3	15.3	63	20.2	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168365

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada
BAG-06 CRU-31 CRU-QC LOG-21
LOG-23 PUL-31 PUL-QC SPL-21
WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
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Plus Appendix Pages
Finalized Date: 17-SEP-2017
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CERTIFICATE WH17168368

Project: Klaza

P.O. No.: R06

This report is for 4 Rock samples submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
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CERTIFICATE OF ANALYSIS WH17168368

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Ag-OG62 Ag ppm 1	Ag-GRA21 Ag ppm 5	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05
V340452		1.02			1.52	0.34	81.2	70	0.07	0.25	0.03	1.72	1.77	3.2	11	0.38
V340453		3.76	218		>100	8.57	518	770	1.03	0.27	0.46	12.10	57.2	14.1	18	4.55
V340454		2.04	>1500	2340	>100	0.57	9950	60	0.46	1.17	0.19	198.0	21.1	12.1	7	0.43
V340455		2.21	1305		>100	6.37	3980	660	1.28	0.60	0.69	77.6	50.7	16.8	17	4.41



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168368

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
V340452		128.5	1.13	0.91	<0.05	0.1	0.035	0.14	0.9	1.2	0.04	594	2.04	0.02	0.3
V340453		237	3.60	17.60	0.09	2.8	0.065	3.36	28.1	4.9	0.58	728	208	0.16	8.0
V340454		2940	29.1	2.38	0.05	0.2	0.171	0.16	14.3	3.9	0.03	144	439	0.02	0.5
V340455		1205	13.20	13.30	0.07	2.0	0.126	2.08	29.5	5.4	0.51	523	108.0	0.44	5.5



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168368

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005
V340452		30	25.9	7.3	<0.002	0.01	2.12	0.6	<1	0.5	3.4	<0.05	0.11	0.60	0.016
V340453		690	2730	159.5	<0.002	0.01	111.5	13.6	2	14.1	64.9	0.64	<0.05	14.55	0.365
V340454		1230	8850	6.9	<0.002	0.16	561	0.9	3	53.9	18.3	<0.05	0.16	0.92	0.025
V340455		810	3820	97.5	<0.002	0.07	379	9.9	5	30.5	106.5	0.44	0.14	10.45	0.263



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168368

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		U	V	W	Y	Zn	Zr	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	1	0.1	0.1	2	0.5	0.005
V340452		0.3	12	2.1	1.4	40	3.2	0.021
V340453		6.5	122	4.6	16.2	1270	94.8	0.049
V340454		34.6	20	8.5	21.4	3450	5.3	<0.005
V340455		7.9	92	3.9	23.9	2480	68.8	1.070



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 17-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168368

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-GRA21	Ag-OG62	Au-AA24	ME-MS61
	ME-OG62			



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Page: 1
Total # Pages: 2 (A - D)
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CERTIFICATE WH17168408

Project: Klaza

P.O. No.: 17-112

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 10-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	

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***** 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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CERTIFICATE OF ANALYSIS WH17168408

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W589481		6.71	0.25	7.90	36.7	1470	2.83	0.29	1.36	0.10	74.6	10.1	22	49.4	19.4	2.61
W589482		4.59	0.13	7.04	11.4	2900	1.87	0.52	1.64	0.06	50.4	6.6	10	9.20	8.6	3.13
W589483		1.94	9.35	5.91	363	240	1.40	0.58	1.98	12.65	43.4	35.4	8	7.69	14.8	6.06
W589484		10.56	0.82	6.83	37.8	1950	1.65	0.61	2.28	2.85	49.3	13.6	8	14.25	8.2	3.49
W589485		0.26	25.0	5.82	3390	190	1.40	20.2	2.10	81.4	40.0	10.9	19	15.00	432	6.43
W589486		11.42	0.24	6.75	29.8	2440	1.68	0.58	2.39	0.23	47.7	9.3	11	13.60	4.6	3.20
W589487		4.40	0.27	6.82	33.6	2400	1.61	0.40	2.55	0.28	46.8	17.9	9	13.15	9.4	3.43
W589488		<0.02	0.25	6.89	32.1	2410	1.52	0.40	2.49	0.29	48.2	16.4	8	13.15	12.6	3.39
W589489		10.13	0.32	7.35	35.0	3140	1.67	0.34	2.06	0.16	54.2	10.0	8	15.35	10.2	3.80
W589490		15.22	0.51	7.02	27.0	2950	1.98	0.48	2.28	0.97	45.3	22.8	6	21.6	11.7	3.44
W589491		7.71	0.22	7.14	12.7	2450	1.80	0.42	2.01	0.08	37.5	23.0	11	12.20	2.8	3.20
W589492		11.49	0.24	6.94	10.0	2810	2.00	0.41	2.16	0.05	46.1	12.4	6	24.5	15.4	2.99
W589494		6.47	0.10	7.06	11.3	3100	1.78	0.16	1.75	0.06	42.3	4.9	8	15.60	4.4	3.12
W589495		9.86	9.01	6.67	2400	510	1.76	0.57	1.92	72.0	50.2	9.3	8	12.75	19.4	3.67
W589496		0.26	12.00	6.54	1640	130	1.63	13.25	1.86	33.4	42.5	19.4	19	14.20	299	6.68
W589497		6.13	1.46	6.95	211	1190	1.91	0.39	1.82	6.86	41.0	5.2	8	13.15	12.1	3.10
W589498		9.21	0.30	6.98	47.7	4380	1.98	0.21	4.44	0.25	59.6	18.0	42	18.55	4.0	5.26
W589499		3.89	0.18	7.02	82.0	1950	1.55	0.18	2.79	0.42	66.8	6.2	12	12.05	5.0	2.82
W589500		5.95	0.01	0.06	1.2	50	0.06	0.02	20.5	0.10	1.13	0.6	<1	0.15	1.6	0.47
W589501		6.52	2.26	7.10	158.5	730	1.20	0.48	2.33	9.07	45.2	7.1	8	7.00	25.9	3.67
W589502		3.87	2.91	6.40	173.5	640	1.38	0.31	2.19	11.60	47.2	10.7	7	7.10	18.2	3.79
W589503		6.11	0.86	6.81	54.1	1380	1.54	0.26	2.44	1.89	45.3	8.0	8	14.55	5.1	3.27
W589504		5.68	0.07	7.46	7.0	2610	1.57	0.29	1.90	0.07	59.9	5.1	10	10.75	2.4	3.05
W589505		2.20	0.06	7.37	7.2	2560	1.74	0.20	1.97	0.08	51.5	4.6	9	9.21	2.8	2.90
W589506		9.68	2.18	6.72	129.0	1130	1.69	1.38	2.33	7.19	50.8	22.0	7	22.6	40.7	4.02
W589507		4.50	0.85	6.99	49.5	1340	1.66	0.87	2.04	4.70	59.6	19.4	8	8.12	12.0	4.16
W589508		2.25	8.18	6.98	812	370	1.42	2.31	1.21	22.8	52.1	37.5	38	13.70	43.7	9.06
W589509		6.64	7.42	6.92	620	370	1.61	0.86	3.25	15.65	53.8	7.3	40	13.95	26.7	6.98
W589510		6.05	0.03	0.07	1.6	30	0.08	0.03	20.6	0.10	1.19	0.7	<1	0.21	2.4	0.49
W589511		12.70	0.22	7.32	14.5	1890	1.15	0.18	3.56	0.67	50.5	11.1	44	9.99	3.6	6.94
W589512		7.05	0.06	7.17	7.3	2330	1.49	0.16	2.71	0.03	51.7	6.2	15	12.05	1.3	3.70
W589513		4.62	3.85	7.54	177.0	470	1.30	2.32	1.08	10.15	51.8	20.1	9	9.70	195.5	4.95
W589514		6.16	2.20	7.67	208	1700	1.45	1.41	3.28	6.73	59.2	15.0	45	10.85	32.7	7.50
W589515		3.16	0.10	7.22	22.5	2100	1.58	0.52	2.73	0.06	49.8	10.1	11	10.50	2.5	2.54
W589516		5.02	0.77	6.87	74.9	3020	1.57	0.72	2.99	0.74	46.9	9.9	12	15.65	4.7	2.79
W589517		4.96	2.53	6.80	747	850	1.69	1.27	1.98	3.58	46.0	7.9	9	14.10	45.4	3.42



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168408

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
W589481		18.60	0.10	4.3	0.076	2.35	39.1	83.8	0.69	622	0.89	0.04	11.4	7.5	1320	16.7
W589482		14.70	0.08	1.4	0.136	3.60	28.8	25.7	0.60	889	0.43	0.90	7.5	2.1	540	10.1
W589483		11.30	0.06	1.0	0.299	2.80	24.3	13.6	0.64	8670	1.15	0.03	5.5	2.9	430	1250
W589484		13.35	0.07	1.2	0.245	2.80	29.0	37.7	0.87	2000	0.41	0.03	6.7	2.5	520	158.0
W589485		12.75	0.06	0.9	1.760	2.57	22.3	25.3	0.89	1910	12.00	0.04	5.5	15.7	460	2800
W589486		14.30	0.07	1.1	0.265	3.33	27.8	25.9	0.85	1350	0.35	0.04	6.6	2.4	530	8.4
W589487		13.95	0.07	1.1	0.195	3.29	27.5	27.0	0.94	1940	0.38	0.03	6.7	2.8	560	16.9
W589488		13.55	0.08	1.1	0.197	3.17	28.4	25.1	0.94	1850	0.38	0.03	6.4	2.7	540	15.2
W589489		14.55	0.08	1.0	0.201	2.83	31.7	116.0	0.91	1520	8.45	0.02	7.5	2.7	630	17.1
W589490		14.70	0.08	1.1	0.171	2.91	25.0	56.3	0.84	1520	3.11	0.12	7.3	2.8	580	67.4
W589491		14.40	0.07	1.1	0.119	3.14	20.1	44.2	0.64	710	0.43	0.74	7.4	2.2	570	16.3
W589492		15.20	0.09	1.1	0.156	2.84	25.3	37.9	0.64	920	0.71	0.57	7.2	2.5	550	16.6
W589494		14.95	0.08	1.3	0.098	3.05	23.2	37.5	0.70	945	1.85	0.05	7.6	2.3	570	8.3
W589495		13.80	0.08	1.1	0.095	2.81	28.6	46.5	0.80	1580	3.60	0.03	6.2	3.1	510	1060
W589496		14.50	0.07	1.1	0.849	2.95	23.4	22.8	0.76	1900	8.92	0.12	6.3	13.1	560	1360
W589497		14.90	0.07	1.3	0.240	3.22	22.2	48.1	0.68	2410	1.66	0.03	7.3	2.7	560	316
W589498		16.20	0.09	3.1	0.112	2.23	31.0	98.6	1.66	2940	4.58	0.01	5.0	4.2	1110	14.6
W589499		13.40	0.10	1.3	0.177	3.16	38.3	29.9	1.04	2590	0.92	0.03	6.2	2.3	620	24.7
W589500		0.18	0.09	<0.1	0.005	0.03	0.6	0.9	13.00	206	0.05	<0.01	0.2	1.5	210	2.1
W589501		13.15	0.07	1.1	0.347	3.42	25.2	7.3	0.79	5070	3.07	0.02	6.8	2.4	530	481
W589502		12.90	0.06	0.9	0.186	3.15	27.2	15.2	0.66	6980	13.65	0.02	5.9	2.5	490	559
W589503		14.35	0.07	1.2	0.141	3.19	25.5	19.3	0.77	4490	1.67	0.02	7.0	2.4	570	114.0
W589504		15.85	0.08	1.3	0.096	3.27	34.0	19.2	0.65	840	0.94	1.27	7.9	2.3	580	13.6
W589505		15.85	0.08	1.2	0.089	3.32	28.7	18.6	0.62	800	0.68	1.29	7.8	2.2	590	13.4
W589506		14.15	0.08	1.1	0.326	3.35	27.8	18.8	0.67	4620	4.37	0.03	7.2	2.9	570	279
W589507		13.00	0.08	0.9	0.465	3.38	35.1	9.9	0.78	3310	2.03	0.02	6.1	2.9	510	133.5
W589508		16.40	0.07	2.8	0.653	3.31	27.7	10.6	0.99	5340	3.82	0.02	5.0	5.5	970	1715
W589509		16.05	0.07	2.9	0.762	3.08	28.4	21.6	1.57	5190	5.83	0.02	4.9	4.6	1000	1905
W589510		0.20	0.07	<0.1	0.007	0.03	0.6	0.9	13.15	223	0.45	<0.01	0.2	1.5	190	5.8
W589511		18.15	0.08	3.3	0.166	2.36	25.8	23.6	2.53	1780	3.19	1.28	5.6	4.2	1220	39.9
W589512		14.50	0.07	1.4	0.142	3.95	28.5	17.1	1.02	1520	0.67	0.29	6.7	2.5	700	7.5
W589513		14.75	0.07	1.1	0.655	3.74	29.9	16.2	0.52	3770	1.03	0.04	7.3	2.7	600	469
W589514		18.80	0.08	3.3	0.377	2.39	31.2	23.7	2.23	3420	3.04	0.93	5.7	4.4	1250	374
W589515		15.30	0.09	1.5	0.038	3.38	27.0	14.5	0.80	577	0.75	1.25	9.9	2.8	660	7.5
W589516		14.20	0.08	1.3	0.040	3.31	26.6	14.8	0.91	1620	0.94	0.47	7.9	2.5	570	53.6
W589517		14.95	0.09	1.1	0.157	3.32	26.1	38.5	0.63	2540	3.20	0.10	7.4	3.5	540	156.0



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168408

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W589481		92.1	<0.002	0.21	15.45	7.9	<1	1.5	637	0.79	<0.05	11.65	0.358	1.70	6.8	69
W589482		144.5	<0.002	0.10	6.96	9.0	<1	1.7	176.0	0.71	<0.05	14.00	0.226	2.00	4.9	59
W589483		144.0	<0.002	4.53	20.2	7.2	1	2.6	74.6	0.51	0.52	11.10	0.175	2.27	4.4	49
W589484		133.5	<0.002	0.67	9.71	8.4	<1	2.5	136.5	0.62	0.05	13.95	0.207	2.31	4.9	60
W589485		147.5	0.002	4.74	87.9	7.4	1	7.4	88.5	0.45	0.40	9.47	0.182	2.30	5.1	56
W589486		140.0	<0.002	0.28	10.25	8.8	<1	2.1	139.5	0.58	<0.05	12.25	0.213	2.55	4.1	61
W589487		158.5	<0.002	0.57	10.45	9.1	<1	2.7	129.0	0.57	<0.05	12.20	0.226	2.59	4.3	63
W589488		162.0	<0.002	0.55	10.20	8.8	<1	3.1	126.0	0.55	0.05	12.45	0.215	2.52	4.3	60
W589489		129.0	0.002	0.65	10.00	9.6	<1	2.8	286	0.60	0.05	13.25	0.243	2.75	5.9	64
W589490		134.5	<0.002	0.73	9.77	9.8	1	3.2	215	0.61	0.08	13.00	0.236	2.77	7.2	64
W589491		114.5	<0.002	0.52	6.97	9.4	<1	1.8	186.0	0.65	<0.05	13.00	0.227	1.90	3.9	62
W589492		113.0	<0.002	0.49	6.80	9.4	<1	3.4	216	0.65	<0.05	13.15	0.221	1.75	3.3	61
W589494		115.0	<0.002	0.13	9.09	9.8	<1	2.2	146.0	0.68	<0.05	12.40	0.237	1.85	4.5	63
W589495		156.5	<0.002	1.45	42.2	9.3	1	3.0	137.5	0.52	0.05	10.50	0.207	2.46	5.8	61
W589496		156.5	<0.002	4.77	65.6	9.3	1	7.7	98.6	0.54	1.28	10.80	0.221	2.53	5.4	66
W589497		160.0	<0.002	0.79	16.30	10.0	<1	2.1	181.0	0.62	<0.05	11.70	0.237	3.06	6.4	65
W589498		113.0	<0.002	0.64	25.3	22.1	1	2.4	494	0.33	<0.05	6.29	0.456	2.41	10.9	182
W589499		180.5	<0.002	0.34	10.90	10.7	<1	2.3	164.0	0.55	<0.05	11.40	0.253	2.82	2.8	81
W589500		1.0	<0.002	<0.01	<0.05	0.1	<1	<0.2	49.1	<0.05	<0.05	0.07	<0.005	<0.02	0.6	2
W589501		190.5	<0.002	2.29	16.00	8.3	<1	2.1	51.5	0.63	<0.05	12.05	0.214	3.13	5.1	60
W589502		192.5	0.002	2.34	32.7	8.3	<1	2.4	58.5	0.47	0.05	11.05	0.193	2.99	11.0	60
W589503		149.5	<0.002	1.30	14.30	9.1	<1	2.0	160.0	0.60	<0.05	11.55	0.231	2.82	5.3	63
W589504		126.5	<0.002	0.05	7.14	10.4	1	1.7	269	0.70	<0.05	13.00	0.250	1.54	4.6	70
W589505		125.0	<0.002	0.05	6.92	10.2	1	1.7	270	0.69	<0.05	14.05	0.242	1.61	4.0	66
W589506		169.5	<0.002	2.02	26.6	10.5	<1	3.4	146.5	0.62	0.05	12.45	0.226	2.93	7.5	66
W589507		188.0	<0.002	1.30	8.75	9.0	1	3.0	79.3	0.53	0.05	12.45	0.194	2.91	5.6	63
W589508		187.0	0.002	5.96	34.0	18.5	1	6.0	89.1	0.33	0.37	5.75	0.402	2.97	5.8	157
W589509		178.5	<0.002	2.30	32.3	19.2	1	4.0	182.0	0.34	<0.05	5.74	0.408	2.98	5.2	165
W589510		1.2	<0.002	0.01	0.09	0.2	<1	0.2	48.3	<0.05	<0.05	0.08	<0.005	0.02	0.6	2
W589511		100.5	<0.002	0.14	8.50	23.2	1	2.9	513	0.36	<0.05	6.92	0.506	1.66	4.6	206
W589512		192.0	<0.002	0.20	6.85	11.1	<1	2.4	196.5	0.55	<0.05	11.20	0.284	2.88	3.4	89
W589513		208	<0.002	3.18	74.5	10.1	<1	4.0	79.7	0.59	0.07	12.35	0.242	2.85	4.8	65
W589514		125.0	<0.002	1.27	11.55	23.7	1	3.4	578	0.37	<0.05	6.76	0.501	1.86	4.5	203
W589515		153.0	<0.002	0.81	3.95	11.3	1	2.0	165.5	0.99	<0.05	14.35	0.264	2.00	4.7	78
W589516		154.5	<0.002	1.05	7.91	9.9	<1	2.1	215	0.79	0.05	13.35	0.238	2.42	5.0	67
W589517		159.5	<0.002	2.15	32.7	10.0	<1	3.1	160.0	0.59	<0.05	12.75	0.230	2.59	6.8	62



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 15-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168408

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W589481		2.4	15.6	79	182.5	<0.005
W589482		1.3	13.9	48	37.2	0.005
W589483		1.4	12.4	1240	25.8	0.287
W589484		1.2	13.0	340	30.9	0.014
W589485		4.8	9.4	5420	26.9	2.26
W589486		1.1	12.6	67	30.3	0.007
W589487		1.2	13.1	63	30.5	0.008
W589488		1.2	13.1	60	29.3	0.009
W589489		2.4	13.5	64	29.1	0.009
W589490		2.5	13.9	143	32.1	0.005
W589491		1.7	12.5	46	32.2	<0.005
W589492		1.8	12.6	51	32.0	<0.005
W589494		1.8	13.1	55	35.7	<0.005
W589495		1.2	11.8	4290	28.9	0.418
W589496		5.9	11.6	2470	31.5	0.873
W589497		1.9	12.7	743	34.3	0.020
W589498		3.1	18.1	110	114.0	0.011
W589499		1.6	13.6	94	41.8	0.007
W589500		0.1	0.8	19	1.0	<0.005
W589501		2.6	12.5	1060	29.9	0.041
W589502		2.7	12.3	1250	25.9	0.057
W589503		2.0	13.6	243	32.1	0.029
W589504		2.0	15.5	46	31.8	<0.005
W589505		1.8	15.1	45	32.3	<0.005
W589506		3.1	13.2	759	29.3	0.080
W589507		2.9	14.2	472	27.2	0.018
W589508		6.9	13.4	2500	109.5	0.115
W589509		4.9	15.5	1650	109.5	0.166
W589510		0.1	0.8	22	0.6	<0.005
W589511		1.9	22.1	170	125.0	0.015
W589512		1.9	15.1	49	43.9	<0.005
W589513		3.8	10.8	1080	28.2	0.126
W589514		2.0	19.6	779	125.5	0.033
W589515		1.2	13.4	54	38.7	<0.005
W589516		1.9	13.9	91	33.1	0.017
W589517		3.0	13.4	313	29.8	0.132



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 15-SEP-2017
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CERTIFICATE OF ANALYSIS WH17168408

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

CERTIFICATE WH17168410

Project: Klaza

P.O. No.: 17-110

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 10-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168410

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W589079		4.64	1.36	7.24	295	1350	1.70	0.37	2.20	12.75	46.8	9.3	54	14.45	38.0	3.52
W589080		8.40	0.91	7.20	146.5	1710	1.43	0.32	2.40	1.21	45.1	8.2	11	16.20	9.7	3.05
W589081		3.72	7.86	6.61	2660	480	1.31	0.76	1.59	16.20	49.5	8.3	50	15.55	43.5	4.52
W589082		6.43	0.91	7.53	354	1280	1.52	0.43	2.13	6.37	48.9	10.2	10	24.3	15.5	3.67
W589083		4.26	0.35	7.91	106.0	2000	1.54	0.40	1.72	1.06	44.6	7.7	33	12.50	10.3	3.33
W589084		0.26	11.40	6.65	1590	530	1.43	11.70	1.89	33.1	44.3	18.5	19	13.55	288	6.56
W589085		3.82	0.68	7.56	204	2020	1.71	0.36	2.33	0.95	49.6	8.6	11	23.1	15.1	3.60
W589086		4.92	0.25	7.61	13.8	2240	1.58	0.35	2.65	0.21	57.9	8.8	31	23.4	8.0	3.39
W589087		3.10	0.35	6.94	268	1100	1.85	0.39	2.81	0.35	39.3	9.9	11	23.2	6.7	3.46
W589088		5.81	28.4	6.97	792	2150	1.85	0.70	2.34	15.75	46.2	8.7	30	26.7	146.5	3.94
W589089		4.44	3.26	7.43	77.2	660	1.56	2.51	1.82	1.79	51.5	80.7	13	14.65	15.0	4.86
W589090		5.00	3.23	7.24	304	340	1.71	1.51	1.50	16.05	45.2	7.9	32	14.55	65.0	5.70
W589091		7.54	2.98	7.37	1110	330	1.59	1.69	1.52	8.80	45.3	7.9	10	14.75	62.0	5.22
W589092		6.39	0.75	7.60	266	890	1.59	0.59	1.95	2.71	50.0	7.9	29	18.45	21.5	3.81
W589093		4.34	0.65	7.47	316	1050	1.77	0.58	2.08	2.26	49.2	9.0	10	19.10	18.8	3.77
W589094		5.68	1.76	7.43	3910	230	1.68	3.16	2.14	4.01	45.7	8.6	24	12.45	43.8	5.69
W589095		4.47	0.36	7.14	59.2	1750	2.08	0.19	3.70	0.22	63.1	7.7	17	13.40	14.4	2.68
W589096		8.47	9.65	7.10	1605	620	1.60	1.31	2.98	11.25	46.5	7.3	23	13.85	102.0	4.08
W589097		4.88	3.19	6.14	160.0	450	1.74	0.61	4.39	4.64	42.8	7.2	12	22.2	19.6	3.06
W589098		0.26	9.55	6.79	1860	420	1.47	6.02	1.95	41.7	41.2	18.2	20	16.10	113.0	5.36
W589099		4.00	9.62	6.78	405	580	1.37	34.1	2.21	3.25	55.8	7.8	21	14.50	1015	3.56
W589100		4.94	8.67	7.44	861	1000	1.24	0.49	0.16	18.35	45.9	7.5	10	16.50	129.5	4.33
W592001		7.09	0.64	5.58	120.5	1450	1.49	0.26	2.27	2.34	24.0	7.3	19	19.85	23.1	2.84
W592002		12.33	0.16	6.39	44.3	1640	1.76	0.13	4.06	0.61	47.6	7.2	13	17.90	5.7	3.04
W592003		<0.02	0.14	6.33	61.1	1750	1.75	0.16	2.98	0.58	38.3	7.9	21	19.20	7.1	2.98
W592004		4.42	0.94	7.08	1320	1350	1.60	1.42	2.12	3.43	47.6	9.8	11	15.85	45.4	3.84
W592005		4.36	6.61	6.81	320	380	1.38	3.27	1.18	6.35	42.9	7.1	25	14.05	88.8	4.84
W592006		2.38	0.99	7.09	106.5	2390	1.49	0.39	2.35	6.41	50.1	12.5	17	21.7	52.1	3.35
W592007		2.74	3.12	7.14	269	640	1.61	1.43	1.18	16.20	46.5	10.3	10	11.05	41.6	4.62
W592008		3.80	5.32	6.98	244	1940	1.97	0.49	3.63	5.08	71.1	8.3	24	30.6	48.2	3.13
W592009		4.14	0.71	7.12	133.0	960	1.65	0.73	2.06	1.34	47.2	8.4	18	19.00	14.9	3.33
W592010		2.50	4.08	6.30	2180	280	1.43	0.48	1.85	4.82	44.5	10.0	9	15.80	13.1	5.24
W592011		8.55	0.64	7.26	25.7	1150	1.64	0.36	2.30	0.39	53.1	8.9	18	19.00	26.9	4.16
W592012		6.02	0.03	0.06	1.4	20	0.06	0.04	21.1	0.10	1.07	0.6	2	0.17	2.2	0.47
W592013		1.87	1.69	5.82	424	310	1.28	1.96	3.98	2.00	37.2	22.1	8	17.80	43.7	5.53
W592014		5.86	0.02	0.04	0.6	20	<0.05	0.04	20.8	0.06	1.02	0.6	2	0.13	3.8	0.49



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168410

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W589079		17.45	0.17	1.4	0.215	3.19	22.3	27.8	0.70	1880	1.10	0.11	8.3	3.6	640
W589080		16.30	0.06	1.4	0.049	3.11	22.4	26.5	0.63	1740	1.06	0.15	7.7	3.2	610
W589081		14.90	0.06	1.1	0.182	3.03	28.0	24.7	0.58	9240	10.45	0.04	6.4	3.4	500
W589082		16.75	0.07	1.4	0.161	2.77	25.6	74.5	0.80	2470	0.78	0.06	7.8	2.9	620
W589083		18.25	0.07	1.1	0.077	2.97	22.6	36.4	0.52	1880	12.30	0.10	8.3	3.1	710
W589084		15.35	0.08	1.1	0.788	2.89	23.6	19.8	0.78	1820	9.52	0.12	6.2	13.0	550
W589085		17.10	0.09	1.1	0.069	3.50	26.0	22.0	0.66	2860	2.35	0.83	7.5	3.0	660
W589086		16.95	0.10	1.1	0.042	2.80	30.7	19.9	0.83	933	0.84	1.35	7.8	3.3	680
W589087		15.60	0.08	1.1	0.061	3.33	20.8	24.6	0.69	2340	0.95	0.06	6.7	2.8	610
W589088		15.50	0.07	1.2	0.125	2.90	26.2	45.7	1.02	2760	0.79	0.04	6.7	3.4	550
W589089		16.40	0.08	1.2	0.126	3.41	27.9	19.4	0.94	2390	1.13	0.03	7.4	4.9	630
W589090		15.95	0.08	1.2	0.232	3.20	24.5	10.6	0.87	3500	0.87	0.03	6.9	3.1	580
W589091		16.75	0.07	1.2	0.233	3.28	24.7	17.2	0.77	2610	1.00	0.03	7.2	3.0	590
W589092		16.85	0.09	1.2	0.120	3.24	27.3	30.9	0.87	2100	0.83	0.05	7.6	2.8	620
W589093		17.00	0.09	1.3	0.100	3.15	26.6	39.1	0.86	2080	0.75	0.05	7.8	3.0	620
W589094		16.35	0.08	1.2	0.118	2.88	25.1	49.0	0.85	2230	0.65	0.02	7.3	3.1	600
W589095		19.40	0.10	3.7	0.034	1.49	33.7	84.2	1.27	1230	1.48	0.02	10.4	7.0	1140
W589096		15.85	0.08	1.1	0.098	3.17	25.5	10.0	1.01	4330	2.98	0.02	6.5	3.5	570
W589097		14.20	0.07	1.6	0.073	2.49	23.3	28.6	1.40	2390	1.71	0.03	6.7	4.8	690
W589098		15.20	0.08	1.4	0.907	2.95	21.3	24.9	0.73	2040	12.35	0.27	7.1	16.7	520
W589099		15.05	0.08	1.3	0.568	2.83	28.9	40.7	0.79	3250	1.01	0.03	7.3	2.9	580
W589100		15.25	0.08	1.5	0.185	3.48	24.4	17.6	0.24	4860	1.89	0.04	8.0	1.8	450
W592001		14.25	0.08	1.9	0.052	3.14	10.2	53.8	0.28	2570	1.59	0.12	7.8	2.6	480
W592002		15.35	0.10	1.6	0.034	2.73	22.9	26.3	0.44	1190	0.92	0.95	7.9	3.1	570
W592003		15.45	0.09	1.6	0.041	2.77	16.1	44.6	0.35	1050	1.09	0.82	8.0	3.0	590
W592004		15.90	0.09	1.5	0.182	3.03	23.1	15.8	0.79	2420	0.75	0.68	8.0	2.9	590
W592005		15.00	0.08	1.2	0.323	3.10	22.0	14.7	0.61	2100	1.81	0.03	6.5	2.7	540
W592006		15.50	0.09	1.4	0.133	2.24	25.6	70.5	0.85	1460	0.87	0.02	7.3	2.9	610
W592007		15.40	0.09	1.2	0.139	3.45	23.7	12.0	0.58	4070	1.14	0.07	6.9	3.1	580
W592008		16.90	0.10	3.6	0.047	1.95	36.9	48.9	1.46	1660	4.37	0.04	10.4	8.6	1320
W592009		15.65	0.08	1.3	0.103	3.02	23.3	43.7	0.74	1840	1.04	0.03	7.2	3.0	580
W592010		13.70	0.08	1.1	0.087	2.96	23.2	22.0	0.68	9660	2.71	0.04	6.1	3.9	460
W592011		15.65	0.08	1.3	0.092	3.18	28.0	49.0	0.93	2700	0.79	0.24	7.3	3.3	660
W592012		0.16	0.08	<0.1	<0.005	0.02	0.5	1.0	13.10	212	<0.05	<0.01	0.1	1.5	160
W592013		11.95	0.06	0.8	0.089	2.18	19.5	60.8	1.15	3550	6.21	0.03	5.5	2.6	430
W592014		0.13	0.06	<0.1	0.005	0.02	0.5	0.9	13.10	215	0.07	<0.01	0.1	1.5	160



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168410

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W589079		149.0	<0.002	0.52	19.00	10.9	1	3.2	87.9	0.71	0.05	12.80	0.292	2.02	2.7	83
W589080		116.5	<0.002	0.07	11.75	10.2	<1	1.9	117.0	0.67	<0.05	13.80	0.268	1.78	2.9	75
W589081		183.0	<0.002	3.02	68.5	9.5	<1	3.5	52.9	0.53	<0.05	11.30	0.225	2.73	17.6	66
W589082		100.0	<0.002	0.22	17.50	11.5	1	2.5	104.0	0.64	<0.05	14.15	0.273	2.08	3.1	76
W589083		122.0	<0.002	0.10	14.90	12.9	1	2.7	80.3	0.62	<0.05	11.20	0.312	1.80	2.7	86
W589084		159.0	0.002	4.69	64.1	9.2	2	7.9	95.6	0.50	0.94	11.25	0.213	2.60	5.1	63
W589085		159.5	<0.002	0.43	11.85	12.3	1	2.3	187.5	0.56	<0.05	12.65	0.285	2.28	3.2	81
W589086		107.5	<0.002	0.02	4.92	13.0	1	1.9	273	0.58	<0.05	14.30	0.303	1.45	3.1	85
W589087		179.5	<0.002	0.67	16.50	11.2	1	1.9	65.4	0.50	<0.05	10.25	0.266	2.40	2.6	71
W589088		182.0	<0.002	1.00	68.1	10.5	1	4.7	129.5	0.54	<0.05	12.65	0.242	2.90	2.6	69
W589089		194.0	<0.002	1.62	9.15	13.2	1	3.5	53.7	0.62	1.14	12.30	0.297	2.74	4.5	90
W589090		184.0	<0.002	3.25	20.0	11.1	1	5.3	106.0	0.58	<0.05	11.70	0.248	2.60	4.0	71
W589091		198.5	<0.002	3.03	21.7	11.6	<1	5.6	52.0	0.63	<0.05	12.50	0.247	2.50	4.3	71
W589092		170.5	<0.002	0.78	8.98	12.0	<1	3.0	76.9	0.62	<0.05	12.60	0.275	2.24	4.4	77
W589093		159.0	<0.002	0.72	8.64	12.2	1	2.7	83.3	0.66	<0.05	13.20	0.275	2.28	4.9	77
W589094		171.5	<0.002	3.97	20.1	11.6	1	3.6	71.6	0.60	<0.05	12.25	0.254	2.47	5.7	71
W589095		82.8	<0.002	0.23	29.3	7.8	1	1.4	835	0.71	<0.05	10.15	0.308	2.05	8.1	64
W589096		185.0	<0.002	2.06	33.6	10.5	1	4.3	97.3	0.51	<0.05	11.30	0.244	2.66	5.3	69
W589097		135.0	<0.002	0.76	23.1	8.5	1	1.9	253	0.49	<0.05	9.87	0.239	2.13	5.5	61
W589098		150.5	<0.002	3.16	33.3	9.0	1	5.7	151.5	0.56	0.26	10.90	0.213	2.56	4.9	58
W589099		120.0	<0.002	1.14	81.8	10.9	1	2.5	87.6	0.64	0.15	13.85	0.250	2.44	5.8	71
W589100		244	<0.002	0.22	75.1	11.1	1	3.3	77.5	0.66	<0.05	12.55	0.262	3.43	3.5	72
W592001		144.5	<0.002	0.12	14.05	6.6	<1	1.9	99.1	0.73	<0.05	11.10	0.224	2.49	3.8	57
W592002		121.5	<0.002	0.02	7.01	11.7	1	1.6	219	0.72	<0.05	12.95	0.252	1.51	3.1	71
W592003		114.5	<0.002	0.03	7.92	11.0	<1	1.8	179.5	0.75	<0.05	11.65	0.254	1.62	2.9	73
W592004		156.0	<0.002	0.53	19.10	11.4	<1	2.7	152.5	0.70	<0.05	12.35	0.261	1.99	7.1	71
W592005		181.0	<0.002	2.81	53.6	10.5	1	7.1	80.3	0.51	<0.05	10.55	0.232	2.13	4.6	66
W592006		100.0	<0.002	0.89	21.1	11.6	1	6.8	270	0.58	<0.05	13.05	0.254	2.23	3.5	71
W592007		201	<0.002	2.96	14.65	11.3	1	7.0	53.7	0.54	<0.05	11.00	0.251	2.61	2.7	72
W592008		99.4	<0.002	0.27	26.9	7.5	1	2.0	684	0.65	<0.05	8.21	0.348	2.62	5.9	68
W592009		153.5	<0.002	0.99	10.95	11.4	1	2.4	98.5	0.55	<0.05	12.10	0.257	2.66	4.6	72
W592010		183.0	<0.002	2.68	50.0	9.8	1	2.1	70.4	0.48	<0.05	9.76	0.211	2.76	4.8	65
W592011		183.0	<0.002	0.25	15.50	12.6	1	2.4	123.5	0.57	<0.05	12.50	0.275	2.46	5.2	81
W592012		1.2	<0.002	<0.01	0.16	0.2	1	<0.2	50.9	<0.05	<0.05	0.09	<0.005	<0.02	0.6	2
W592013		133.0	<0.002	3.00	31.4	7.9	1	3.4	81.1	0.43	0.07	9.19	0.194	2.24	2.5	57
W592014		0.9	<0.002	<0.01	0.11	0.1	1	<0.2	48.4	<0.05	<0.05	0.07	<0.005	<0.02	0.6	2



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 17-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168410

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W589079		4.1	13.6	1220	33.3	0.008
W589080		2.6	14.5	473	36.5	<0.005
W589081		10.5	12.4	1100	26.4	1.670
W589082		5.2	15.2	1220	31.7	0.019
W589083		7.6	15.3	139	26.2	0.005
W589084		6.0	10.8	2460	28.4	0.847
W589085		3.2	15.2	163	27.1	0.029
W589086		2.5	17.6	78	26.0	<0.005
W589087		2.1	14.3	82	24.4	0.016
W589088		4.5	13.9	1300	27.9	0.222
W589089		4.7	12.7	243	27.9	0.058
W589090		4.4	11.2	2020	28.1	0.232
W589091		3.4	11.3	1050	27.3	0.360
W589092		2.3	13.7	316	27.9	0.044
W589093		2.0	14.1	269	28.1	0.063
W589094		3.5	12.1	439	27.5	0.657
W589095		2.2	13.8	73	138.0	<0.005
W589096		3.7	11.9	1120	27.5	0.457
W589097		3.1	10.9	456	56.8	0.055
W589098		5.8	10.7	3130	39.7	0.729
W589099		4.9	14.0	395	30.8	0.093
W589100		6.3	8.8	1240	45.6	0.252
W592001		2.6	8.5	453	61.8	0.018
W592002		1.4	16.6	133	37.1	<0.005
W592003		1.8	14.3	144	40.6	<0.005
W592004		3.4	14.7	659	35.5	0.123
W592005		6.9	7.5	855	30.0	0.364
W592006		3.6	13.8	609	33.9	0.033
W592007		4.5	11.8	3020	27.3	0.290
W592008		3.4	13.2	455	146.0	0.123
W592009		5.2	12.7	167	31.4	0.025
W592010		6.0	12.1	385	27.9	0.262
W592011		5.8	16.2	117	31.5	<0.005
W592012		0.1	0.7	20	<0.5	<0.005
W592013		3.9	11.8	281	20.8	0.135
W592014		0.1	0.7	16	<0.5	<0.005



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 17-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168410

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-SEP-2017
Account: ROCKHA

CERTIFICATE WH17168412

Project: Klaza

P.O. No.: 17-114

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 10-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-35ad	Pulv 1 kg split to 95%<106 um DUP
LOG-22	Sample login - Rcd w/o BarCode
CRU-32	Fine Crushing 90% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-35a	Pulv 1 kg split to 95%<106 um
BAG-01	Bulk Master for Storage
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168412

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR22 Au ppm	Ag-OG62 Ag ppm	Cu-OG62 Cu %	Pb-OG62 Pb %	Zn-OG62 Zn %	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
		0.02	0.05	1	0.001	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01
V341903		2.28					2.08	35.8	6.40	2570	520	1.03	8.91	0.51	182.5	40.1
V341904		2.20						17.55	5.59	2400	410	0.99	2.98	1.27	56.0	40.0
V341905		2.37	18.55	189		1.700	5.07	>100	0.87	>10000	30	0.19	33.8	2.46	454	3.17
V341906		5.08	76.8	429	2.02	1.195	2.78	>100	0.53	>10000	40	0.07	378	0.30	224	2.40
V341907		2.29	9.43	255		4.01	1.770	>100	2.30	>10000	70	0.46	66.4	2.44	159.0	21.4
V341908		5.41	196.0	608		1.235	7.29	>100	0.38	>10000	30	0.10	610	2.06	673	1.61
V341909		0.26						39.9	5.87	2690	180	1.23	36.9	1.68	46.3	38.6
V341910		3.37	16.30	836		6.88	3.00	>100	1.21	9820	50	0.43	19.65	2.76	482	15.10
V341911		1.53						8.32	1.78	1210	50	0.57	3.72	12.20	31.5	13.45
V341912		2.09						21.2	4.34	871	250	0.85	17.45	0.63	5.51	23.4
V341913		1.50	11.60	105				>100	2.33	>10000	40	0.61	169.0	0.21	26.1	8.42
V341914		3.37	12.40					14.15	4.96	>10000	70	1.00	27.1	0.46	37.5	49.2
V341915		<0.02	13.75					14.70	4.77	>10000	90	0.87	30.8	0.48	32.2	50.6
V341916		2.44	14.65	105			1.915	>100	3.17	>10000	60	0.70	29.5	1.35	202	23.7
V341917		8.17						21.7	6.42	1075	140	1.50	0.91	2.14	32.6	23.0
V341918		4.32					1.065	80.2	3.08	>10000	30	0.58	27.5	3.37	103.0	16.20
V341919		0.12	13.60	128	2.84	2.42	15.50	>100	4.49	236	700	0.40	1.87	2.09	851	17.70
V341920		3.18						22.9	4.75	3110	80	1.10	2.40	3.50	30.7	34.6
V341921		1.54						25.0	4.98	>10000	370	0.89	9.05	0.72	14.90	29.7
V341922		3.16						34.8	5.33	1635	180	0.99	1.34	0.71	32.0	42.2
V341923		2.61						55.0	5.70	2990	230	1.25	1.99	2.21	30.4	52.5
V341924		<0.02						45.2	5.80	2910	280	1.35	1.73	2.24	26.9	52.0
V341925		5.21						1.03	7.10	151.0	520	1.75	0.29	2.43	2.17	52.9
V341926		2.67						75.1	5.48	555	80	1.50	75.5	1.67	12.35	45.8
V341927		4.60						6.49	7.07	650	310	1.45	1.96	1.58	35.3	52.1
V341928		6.03						0.08	0.07	7.2	40	0.06	0.08	21.2	0.12	1.22
V341929		3.53						3.90	6.12	128.5	410	1.42	1.05	2.03	15.80	44.1
V341930		3.11						88.1	4.65	>10000	70	0.62	26.5	1.37	45.5	11.25
V341931		2.06	12.55	1495		7.64	6.29	>100	0.47	>10000	40	0.23	93.9	1.39	770	10.55
V341932		4.20	33.0	594	1.150	6.93	5.04	>100	0.35	>10000	40	0.16	280	0.50	413	9.13
V341933		5.99						0.82	0.04	29.4	60	0.06	0.35	20.8	0.55	1.04
V341934		4.03	20.7	370		3.38	2.37	>100	3.75	>10000	120	0.64	254	0.24	236	24.1
V341935		3.35	12.60	312		1.350		>100	4.88	>10000	190	0.99	293	0.47	60.0	29.9
V341936		2.96		180		1.400	1.250	>100	5.40	>10000	210	1.35	0.65	2.15	199.5	36.9
V341937		1.40						10.30	5.77	796	970	1.69	0.26	3.66	43.6	39.3
V341938		2.27						46.6	5.48	2140	130	1.32	1.91	1.79	52.5	32.6



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17168412

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
		Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
		0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5
V341903		6.7	11	18.30	418	4.61	14.35	0.05	1.2	2.29	2.53	20.0	30.2	0.37	6560
V341904		9.0	10	14.45	110.5	5.13	12.90	0.06	0.9	0.903	2.50	21.1	18.3	0.54	3930
V341905		19.5	3	2.52	1290	15.15	2.82	<0.05	0.1	4.52	0.35	1.3	7.4	0.98	73400
V341906		10.7	11	0.52	>10000	33.2	2.41	0.08	0.1	10.10	0.26	1.3	2.8	0.10	4470
V341907		21.7	10	2.92	1165	8.67	6.68	0.05	0.3	3.02	1.06	10.2	13.7	0.47	53500
V341908		24.5	11	0.76	8080	23.2	3.41	0.09	<0.1	8.31	0.16	0.7	9.5	0.63	7910
V341909		16.8	23	9.98	1215	9.28	13.25	0.06	0.9	1.605	2.68	18.1	17.5	0.69	2380
V341910		4.2	6	3.44	998	9.61	3.91	<0.05	0.3	1.400	0.50	7.3	10.6	0.93	91300
V341911		13.1	6	4.72	17.0	8.97	4.37	<0.05	0.2	0.123	0.86	6.8	10.7	1.86	26300
V341912		334	12	8.31	92.6	11.60	10.30	0.06	0.8	0.181	2.01	10.8	14.5	0.51	1840
V341913		257	11	8.97	248	18.65	5.95	0.08	0.4	0.597	0.93	3.6	19.6	0.17	1940
V341914		5.9	14	7.81	237	11.95	12.35	0.09	0.9	0.316	2.25	26.4	8.9	0.29	1040
V341915		5.6	13	7.85	248	12.90	12.15	0.10	0.9	0.322	2.16	26.9	8.8	0.29	1080
V341916		5.5	11	6.80	618	11.05	8.20	0.07	0.5	1.110	1.50	11.4	11.6	0.51	1820
V341917		27.3	11	13.60	35.4	7.59	17.30	0.07	1.4	0.350	2.77	9.4	30.4	0.94	4580
V341918		106.5	10	2.29	830	13.40	7.21	0.08	0.5	2.09	1.47	6.9	16.1	0.86	6360
V341919		60.0	47	1.27	>10000	9.53	15.00	0.09	0.6	3.06	0.83	8.2	5.8	0.81	1710
V341920		104.5	11	7.11	155.5	5.68	10.45	0.05	0.9	0.614	2.21	16.2	30.4	0.98	6870
V341921		91.3	13	4.80	202	7.42	11.10	0.07	0.7	0.585	2.39	13.1	22.8	0.29	1440
V341922		28.9	11	9.22	82.4	5.18	11.30	0.06	0.8	0.351	2.54	22.2	28.6	0.32	1890
V341923		43.6	9	11.15	483	5.10	11.95	0.07	0.9	0.459	2.65	29.7	18.1	0.70	4630
V341924		45.0	9	11.90	387	5.18	12.30	0.08	0.9	0.415	2.72	29.6	18.8	0.73	4700
V341925		18.1	10	13.65	7.5	3.63	14.25	0.08	1.1	0.204	3.17	29.3	20.9	0.81	3230
V341926		163.0	14	22.2	586	8.06	12.15	0.07	2.0	0.847	2.11	23.8	40.3	0.60	2560
V341927		4.9	10	10.50	146.5	4.29	14.20	0.08	1.3	1.080	3.31	28.6	13.9	0.54	3440
V341928		0.6	1	0.16	2.7	0.48	0.19	<0.05	<0.1	0.006	0.03	0.6	1.0	13.15	225
V341929		86.8	8	18.15	15.1	4.28	11.75	0.06	1.0	0.226	2.60	23.8	28.5	0.69	2910
V341930		34.9	10	6.32	632	13.30	15.55	0.06	0.7	0.624	2.23	5.8	6.3	0.49	18150
V341931		3.7	4	1.73	3560	14.20	3.07	0.06	0.2	5.55	0.18	5.7	7.9	0.60	62700
V341932		7.3	8	1.02	>10000	27.8	1.84	0.10	0.1	15.55	0.13	4.4	3.7	0.23	27500
V341933		0.6	1	0.11	13.8	0.50	0.12	<0.05	<0.1	0.019	0.02	0.5	0.8	13.05	262
V341934		7.2	20	3.55	2180	11.95	8.58	0.07	0.6	8.33	1.77	11.1	10.6	0.17	2460
V341935		12.9	18	11.70	8300	13.25	11.55	0.07	1.0	6.98	2.29	14.0	12.9	0.33	938
V341936		5.5	10	12.90	1360	7.36	12.25	0.07	0.8	0.126	2.34	19.4	19.7	0.69	8890
V341937		6.6	10	17.00	26.6	3.18	11.55	0.06	0.9	0.059	2.60	21.1	44.6	0.81	6110
V341938		35.7	11	6.72	152.5	5.98	12.25	0.06	1.0	0.523	2.79	15.7	31.0	0.48	6940



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168412

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	
		Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05
V341903		0.02	6.5	2.8	390	4920	158.0	<0.002	2.93	197.0	8.3	1	7.9	83.8	0.54	<0.05
V341904		0.02	5.4	2.1	390	3230	155.0	<0.002	3.48	82.3	7.1	<1	7.8	72.9	0.46	0.10
V341905		0.01	0.7	1.5	80	>10000	20.9	<0.002	8.90	751	1.1	1	3.7	48.4	0.06	0.39
V341906		<0.01	0.4	1.1	30	>10000	14.0	<0.002	>10.0	1835	0.6	3	30.3	5.3	<0.05	2.46
V341907		0.01	2.0	1.9	150	>10000	67.3	0.002	8.04	847	3.1	1	10.0	42.5	0.16	0.68
V341908		<0.01	0.3	1.2	10	>10000	9.2	<0.002	>10.0	1770	0.5	3	40.4	26.3	<0.05	3.71
V341909		0.06	4.6	14.9	460	1730	153.0	0.002	8.05	104.5	8.1	2	10.8	64.4	0.37	0.75
V341910		0.01	1.3	2.0	110	>10000	30.7	<0.002	6.31	1130	1.7	1	22.9	58.5	0.10	0.17
V341911		0.01	1.6	1.9	120	1705	55.5	<0.002	5.02	29.6	2.9	1	1.2	195.5	0.12	0.11
V341912		0.02	3.9	9.6	300	548	120.0	0.007	>10.0	48.3	6.2	3	4.1	34.1	0.31	9.21
V341913		0.01	1.8	7.4	140	3740	56.6	0.038	>10.0	163.5	3.0	5	3.6	36.2	0.15	16.75
V341914		0.02	4.9	2.8	410	1560	137.5	<0.002	8.96	261	7.1	2	11.4	59.1	0.37	0.71
V341915		0.02	4.6	2.7	370	1475	136.0	<0.002	9.56	298	6.8	2	11.6	56.9	0.36	0.82
V341916		0.02	2.7	2.2	220	8470	92.1	<0.002	8.59	376	4.2	2	6.5	41.7	0.24	1.76
V341917		0.03	5.0	6.0	810	2900	160.0	0.002	5.16	41.2	13.8	1	5.4	177.0	0.33	0.31
V341918		0.01	2.8	5.3	220	1385	88.9	0.006	>10.0	628	4.0	1	4.8	53.7	0.21	0.86
V341919		1.10	2.0	18.4	580	>10000	25.8	0.067	>10.0	183.5	10.4	9	18.3	224	0.13	0.51
V341920		0.02	4.4	4.5	420	880	134.0	0.005	4.21	126.5	7.1	1	2.7	87.7	0.35	0.42
V341921		0.02	4.5	4.8	390	521	145.5	0.007	6.28	264	5.8	1	5.5	31.9	0.34	0.48
V341922		0.02	5.4	3.7	420	2590	155.0	0.002	4.78	127.0	7.2	<1	4.9	61.1	0.45	0.21
V341923		0.02	5.5	3.5	400	2930	157.0	0.002	3.94	343	7.1	1	4.0	88.6	0.46	0.45
V341924		0.02	5.6	3.3	400	2460	163.0	0.002	3.88	290	7.3	1	3.9	92.7	0.47	0.46
V341925		0.03	7.1	3.0	530	121.0	181.0	<0.002	1.86	16.10	9.4	1	2.7	142.0	0.62	0.10
V341926		0.02	6.5	7.8	700	3410	103.0	<0.002	7.76	392	5.1	1	2.6	311	0.41	1.66
V341927		0.02	6.9	2.6	540	1015	187.0	<0.002	3.32	65.8	9.6	1	3.4	94.5	0.58	<0.05
V341928		<0.01	0.2	1.6	170	6.2	1.2	<0.002	0.01	0.39	0.2	1	<0.2	54.8	<0.05	<0.05
V341929		0.02	5.8	3.6	450	701	135.0	<0.002	3.01	28.4	7.6	1	3.1	151.5	0.47	0.82
V341930		0.02	3.5	1.9	310	7360	128.5	<0.002	>10.0	918	5.6	1	14.3	18.3	0.30	0.47
V341931		0.01	0.5	1.6	50	>10000	10.4	<0.002	>10.0	2980	0.7	2	40.6	34.4	<0.05	0.81
V341932		<0.01	0.4	1.2	50	>10000	6.4	<0.002	>10.0	2250	0.4	3	30.0	25.8	<0.05	3.13
V341933		<0.01	0.1	1.5	160	75.9	0.8	<0.002	0.04	3.13	0.2	1	<0.2	52.0	<0.05	<0.05
V341934		0.01	3.2	2.3	270	>10000	110.5	<0.002	>10.0	1235	4.7	2	12.8	10.1	0.26	2.97
V341935		0.02	3.8	2.9	420	>10000	136.5	0.002	>10.0	1220	8.1	1	12.5	54.4	0.29	1.10
V341936		0.02	5.2	2.7	410	>10000	127.0	<0.002	5.56	557	7.0	<1	14.0	151.0	0.42	<0.05
V341937		0.03	5.6	2.9	410	1805	138.0	<0.002	1.71	40.2	7.4	<1	2.6	199.5	0.45	<0.05
V341938		0.03	5.3	3.6	430	5640	153.5	<0.002	5.00	124.0	7.5	1	4.7	90.9	0.45	0.42



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 24-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17168412

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		Th	Ti	Ti	U	V	W	Y	Zn	Zr	Au
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.02	0.1	1	0.1	0.1	2	0.5	0.005
V341903		10.00	0.226	2.07	3.7	66	4.6	8.2	>10000	27.5	3.84
V341904		8.25	0.187	2.00	3.5	54	5.9	8.2	3460	20.3	0.725
V341905		1.58	0.024	0.35	3.6	10	1.9	6.5	>10000	3.3	>10.0
V341906		0.88	0.013	0.43	0.3	7	1.3	1.2	>10000	1.8	>10.0
V341907		3.19	0.074	1.00	5.8	24	5.7	15.4	>10000	7.6	>10.0
V341908		0.42	0.009	0.41	0.9	5	1.3	2.0	>10000	1.4	>10.0
V341909		8.82	0.167	2.22	5.2	58	7.4	9.6	3500	23.4	1.710
V341910		1.92	0.042	0.97	3.5	13	4.3	13.8	>10000	11.2	>10.0
V341911		2.63	0.058	0.80	4.1	20	2.4	12.2	1880	6.3	3.09
V341912		6.64	0.136	1.67	4.3	45	5.4	5.7	525	19.0	1.000
V341913		2.99	0.064	0.90	5.9	29	3.7	3.3	2330	9.3	>10.0
V341914		8.24	0.174	1.82	4.4	53	5.0	8.3	3770	24.7	>10.0
V341915		8.10	0.165	1.74	4.3	50	4.9	8.6	3200	24.2	>10.0
V341916		5.16	0.094	1.30	2.6	31	3.1	4.7	>10000	12.4	>10.0
V341917		5.00	0.352	2.71	6.6	125	5.7	13.0	2630	48.4	0.496
V341918		4.65	0.092	2.19	7.1	30	5.1	6.8	>10000	12.9	6.91
V341919		1.58	0.177	7.39	2.1	124	8.1	11.6	>10000	11.0	>10.0
V341920		6.46	0.167	2.27	40.9	57	3.2	9.8	2910	25.7	0.562
V341921		6.39	0.148	2.70	19.8	45	6.5	7.7	1680	18.2	2.82
V341922		9.20	0.172	2.56	29.0	52	4.4	5.9	3410	21.2	0.487
V341923		10.65	0.173	2.71	9.4	51	3.5	9.8	3040	21.9	1.040
V341924		10.75	0.177	2.79	9.1	51	3.4	10.1	2660	22.9	0.982
V341925		13.20	0.215	3.06	5.6	58	2.1	13.2	292	27.0	0.253
V341926		7.18	0.224	1.94	9.0	50	3.0	9.4	1310	82.4	6.75
V341927		12.80	0.225	3.01	4.1	61	4.2	11.2	3970	34.0	0.189
V341928		0.09	<0.005	<0.02	0.7	2	0.1	0.8	26	<0.5	<0.005
V341929		10.90	0.190	2.46	8.4	55	2.6	11.5	1760	24.3	0.143
V341930		7.51	0.128	1.43	2.9	43	8.5	5.3	5150	16.4	9.23
V341931		0.56	0.016	0.53	3.2	6	1.3	8.5	>10000	5.7	>10.0
V341932		0.32	0.015	0.59	1.9	6	0.4	8.3	>10000	5.9	>10.0
V341933		0.06	<0.005	<0.02	0.6	2	0.1	0.7	98	<0.5	0.012
V341934		5.29	0.121	1.54	2.6	38	5.1	5.4	>10000	14.0	>10.0
V341935		6.67	0.173	2.12	4.3	62	7.4	7.5	6630	31.2	>10.0
V341936		9.03	0.170	2.14	2.7	48	5.4	8.6	>10000	20.3	9.43
V341937		9.41	0.183	2.86	9.4	51	3.1	12.8	2780	20.7	0.627
V341938		8.96	0.181	2.39	8.2	56	8.3	8.9	3870	22.9	1.080



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 24-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17168412

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-01	CRU-32	CRU-QC	LOG-21d
	LOG-22	LOG-23	PUL-35a	PUL-35ad
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	Au-GRA22	Cu-OG62
	ME-MS61	ME-OG62	Pb-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE WH17171081

Project: Klaza

P.O. No.: 17-073

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17171081

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Zn-OG62 Zn %	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	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V341393		7.92		0.84	6.61	38.0	2480	1.39	0.24	3.07	9.12	63.0	6.0	9	13.85	22.4
V341394		9.33		3.23	7.08	55.0	1150	1.42	0.36	1.71	26.6	56.6	15.6	9	11.65	41.4
V341395		2.79		0.83	7.10	8.5	2090	1.68	0.14	2.49	9.42	40.8	6.6	8	15.35	18.2
V341396		5.35		1.14	6.21	93.6	2440	1.45	0.16	2.27	9.94	44.0	6.5	7	20.3	5.6
V341397		10.34		0.68	7.31	8.4	2140	1.65	0.14	2.65	3.46	47.8	7.8	10	8.19	9.7
V341398		5.48		0.08	7.54	6.6	2300	1.75	0.09	2.49	0.16	59.9	7.7	11	6.08	5.9
V341399		2.26		4.06	7.30	14.9	1660	1.68	0.11	2.40	48.6	49.0	6.7	9	10.65	29.2
V341400		5.71		5.46	7.05	151.0	490	1.56	1.69	2.14	20.6	48.3	9.2	9	12.60	59.1
V341401		5.92		0.03	0.06	0.2	20	0.07	0.04	20.6	0.14	1.16	1.0	1	0.26	2.9
V341402		6.23		3.77	7.20	57.8	1960	1.55	0.60	2.35	8.43	49.4	8.4	10	13.90	13.4
V341403		10.56		0.29	7.61	10.5	2250	1.67	0.13	2.64	0.18	47.2	7.7	9	11.30	6.5
V341404		3.95		0.14	7.05	11.5	1750	1.63	0.20	2.75	0.16	41.3	7.5	9	17.90	7.4
V341405		0.26		39.3	5.59	2430	390	1.30	37.4	1.62	44.6	35.0	17.7	21	9.61	1125
V341406		4.15		0.81	6.84	19.2	980	1.54	0.74	2.56	0.28	46.4	9.4	8	20.0	4.5
V341407		3.92		0.31	7.07	16.3	2740	1.57	0.16	2.61	0.56	42.4	6.9	9	13.50	6.2
V341408		8.32		0.11	7.27	12.6	2400	1.64	0.23	2.76	0.18	46.1	8.4	11	12.30	5.3
V341409		<0.02		0.12	7.45	14.9	2370	1.72	0.18	2.75	0.14	51.7	8.3	10	12.05	5.2
V341410		8.83		0.08	7.29	7.5	2160	1.54	0.25	2.63	0.10	41.4	8.1	10	9.42	4.4
V341411		6.83		0.55	6.72	36.4	2510	1.53	0.34	3.14	0.81	44.5	7.5	10	16.15	6.2
V341412		3.86		1.13	6.80	40.5	2080	1.63	0.72	2.53	3.75	45.8	12.8	8	20.4	9.0
V341413		6.81		5.16	6.91	899	370	1.46	1.90	2.45	43.6	43.9	10.6	8	15.35	111.5
V341414		6.83		0.01	0.06	0.8	70	0.06	0.08	20.7	0.07	1.10	0.9	<1	0.16	5.8
V341415		7.16		3.51	6.97	696	560	1.59	1.21	2.86	16.90	50.9	6.6	8	15.35	45.3
V341416		4.37		0.85	7.18	147.0	1960	1.50	0.59	2.68	1.66	45.2	9.5	10	13.95	8.2
V341417		4.76	1.385	16.45	6.63	1075	670	1.36	7.69	2.91	205	40.4	6.5	7	18.70	209
V341418		3.92		0.14	7.90	19.6	2330	1.55	0.15	2.43	0.27	42.6	11.8	12	14.15	15.2
V341419		2.32		2.72	6.19	105.5	240	1.35	0.61	4.39	7.90	42.2	11.9	10	19.60	18.8
V341420		4.14		0.09	7.67	6.9	2150	1.72	0.10	2.54	0.12	51.1	7.7	10	13.00	14.5
V341421		4.03		0.30	6.93	23.6	1680	1.36	0.11	1.98	0.29	40.0	7.0	12	19.80	14.2
V341422		2.71		1.94	6.50	358	3400	1.56	1.55	2.85	3.54	44.1	6.6	8	22.9	25.2
V341423		0.26		11.75	6.78	1625	440	1.43	11.85	1.94	32.0	44.8	18.6	19	13.00	288
V341424		10.51		0.15	7.45	19.5	1840	1.55	0.12	2.05	0.35	42.1	6.4	7	23.9	13.0
V341425		8.37		0.16	7.28	17.0	2260	1.60	0.15	2.46	1.06	40.8	6.9	9	23.5	12.6
V341426		4.85		2.43	6.75	281	1000	1.69	1.78	2.45	24.9	44.6	8.2	7	23.1	73.8
V341427		5.96		0.41	7.14	15.7	2190	1.76	0.27	2.52	8.12	43.6	7.2	10	13.60	22.3
V341428		8.21		0.60	7.18	152.0	2030	1.67	0.26	2.39	3.67	43.6	6.7	9	17.20	34.1



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17171081

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
V341393		3.21	14.00	<0.05	1.1	0.082	2.44	37.9	45.7	1.02	1680	2.81	0.25	6.5	2.4	520
V341394		5.19	15.30	0.06	0.9	0.099	2.91	35.5	30.6	0.57	1760	2.14	0.36	6.2	3.2	520
V341395		3.12	16.60	0.07	1.2	0.053	2.80	20.3	31.8	0.64	764	0.89	1.61	7.5	2.4	560
V341396		3.09	15.05	0.05	1.1	0.093	2.47	24.2	69.8	0.72	2020	1.88	0.04	6.9	2.4	510
V341397		2.94	17.10	0.08	1.1	0.049	2.69	24.7	19.1	0.77	803	1.25	1.84	7.8	2.5	570
V341398		2.96	17.10	0.12	1.1	0.037	2.67	31.8	12.4	0.86	575	0.99	2.37	7.8	2.5	590
V341399		3.24	16.75	0.11	1.1	0.082	2.77	26.0	14.8	0.75	1060	1.15	1.40	7.3	2.3	540
V341400		3.95	16.55	0.09	0.9	0.332	3.15	25.8	9.9	0.65	1170	1.20	0.92	7.2	2.5	530
V341401		0.48	0.34	0.11	<0.1	<0.005	0.03	0.6	1.1	12.60	209	0.08	0.01	0.2	1.8	150
V341402		3.62	16.80	0.08	1.1	0.137	3.25	24.8	10.5	0.72	1460	0.91	1.14	7.4	2.3	560
V341403		3.13	17.45	0.10	1.1	0.037	2.80	24.5	13.5	0.82	784	0.99	2.08	7.9	2.4	590
V341404		3.10	17.15	0.09	1.2	0.116	3.03	20.4	18.4	0.72	1280	0.95	1.41	7.8	2.3	580
V341405		8.88	14.70	0.05	0.8	1.510	2.56	17.8	16.3	0.66	2230	16.70	0.06	4.6	14.4	430
V341406		3.37	16.45	0.06	1.1	0.029	3.10	23.4	15.1	0.85	1200	1.19	0.59	6.0	2.5	550
V341407		2.92	16.40	0.08	1.1	0.062	2.92	20.9	18.8	0.65	1140	0.71	1.57	7.4	2.2	570
V341408		3.10	17.60	0.11	1.2	0.046	2.73	23.6	18.3	0.77	646	1.28	1.93	8.2	2.5	600
V341409		3.02	17.30	0.10	1.2	0.043	2.78	27.1	16.4	0.77	650	0.92	1.94	8.2	2.5	600
V341410		3.04	15.85	0.09	1.1	0.041	2.74	21.3	9.5	0.71	577	0.61	1.97	7.3	2.2	570
V341411		3.04	16.55	0.10	1.1	0.045	3.00	22.4	31.5	0.93	1880	0.75	0.21	7.5	2.4	560
V341412		3.58	16.35	0.06	1.1	0.075	3.14	23.1	28.8	0.75	1580	0.65	0.35	7.4	2.2	570
V341413		4.05	15.85	0.06	0.9	0.784	3.25	23.4	21.5	0.72	1940	0.69	0.40	6.5	2.1	500
V341414		0.48	0.29	0.11	<0.1	0.005	0.02	0.5	1.0	12.70	215	0.05	0.01	0.1	1.6	170
V341415		4.05	16.60	<0.05	1.0	0.471	3.30	27.1	13.6	0.92	2840	1.15	0.44	6.9	2.1	500
V341416		3.25	17.25	0.06	1.2	0.074	3.11	22.8	10.6	0.74	960	0.71	1.60	8.0	2.4	570
V341417		4.55	13.65	<0.05	0.9	4.06	2.87	21.5	13.1	1.07	4310	1.16	0.03	5.9	2.0	510
V341418		3.24	15.90	0.06	1.0	0.046	3.11	22.4	17.2	0.77	663	2.48	1.82	7.2	2.4	610
V341419		5.58	14.45	0.05	0.8	0.193	2.81	22.1	15.3	1.43	5450	2.78	0.03	6.1	4.0	500
V341420		2.97	17.30	0.07	1.2	0.039	2.84	26.1	21.7	0.71	517	0.71	1.91	8.1	2.3	590
V341421		2.67	16.25	0.08	1.0	0.041	2.83	19.7	45.8	0.62	808	1.16	0.57	7.2	2.4	550
V341422		3.80	14.75	0.07	0.9	0.166	2.89	23.9	43.0	0.95	2530	1.40	0.06	6.5	2.2	500
V341423		6.76	15.65	<0.05	1.1	0.775	2.96	23.3	19.5	0.79	1840	8.85	0.13	6.2	11.6	540
V341424		2.69	16.80	0.06	1.1	0.040	3.27	21.0	34.0	0.66	746	1.70	0.17	7.6	2.0	570
V341425		3.43	16.25	0.06	1.1	0.050	3.34	20.2	53.0	0.62	927	1.47	0.71	7.7	2.1	570
V341426		3.50	15.55	0.10	0.9	0.579	2.90	24.4	14.2	0.89	2460	1.09	0.03	6.6	2.2	490
V341427		3.01	16.55	0.11	1.2	0.143	2.93	21.9	8.5	0.73	695	1.39	1.91	7.7	2.5	550
V341428		3.07	15.75	0.16	1.2	0.088	3.15	22.4	24.3	0.58	898	4.22	0.92	7.8	2.4	580



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17171081

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V341393		250	115.0	0.002	0.45	4.91	8.8	1	2.4	203	0.54	<0.05	11.15	0.215	1.91	4.7
V341394		1265	154.5	<0.002	1.42	8.91	9.6	<1	3.1	83.4	0.51	0.28	11.25	0.211	2.01	3.9
V341395		353	102.5	<0.002	0.09	5.57	9.5	<1	1.8	281	0.63	<0.05	10.90	0.235	1.29	3.1
V341396		403	120.0	<0.002	0.70	26.4	9.0	<1	2.1	95.9	0.57	<0.05	10.85	0.206	2.04	4.0
V341397		190.0	106.0	<0.002	0.07	2.56	10.5	1	1.6	297	0.61	<0.05	12.00	0.240	1.09	3.1
V341398		18.9	101.5	<0.002	0.01	0.96	10.9	1	1.5	394	0.63	<0.05	14.10	0.249	0.86	3.6
V341399		1005	130.5	<0.002	0.26	7.91	10.2	1	1.9	230	0.58	<0.05	13.00	0.229	1.39	4.2
V341400		1975	169.0	<0.002	1.92	11.00	10.1	1	2.7	214	0.55	0.35	12.40	0.221	2.04	4.2
V341401		3.5	1.6	<0.002	<0.01	0.06	0.2	<1	<0.2	48.1	<0.05	<0.05	0.10	<0.005	<0.02	0.5
V341402		1145	148.0	<0.002	0.70	7.98	10.3	<1	2.2	206	0.59	0.15	11.45	0.237	2.03	5.8
V341403		83.2	108.5	<0.002	0.12	2.39	10.6	1	1.6	345	0.63	<0.05	12.10	0.255	1.10	3.4
V341404		23.2	113.0	<0.002	0.14	4.45	10.0	<1	1.7	249	0.62	<0.05	10.80	0.247	1.72	3.4
V341405		1590	147.5	0.002	7.50	103.0	8.2	1	10.5	64.2	0.36	0.78	8.53	0.153	1.93	5.2
V341406		19.8	140.0	<0.002	1.94	6.75	10.0	1	1.6	167.0	0.49	0.79	10.95	0.199	2.37	3.7
V341407		47.6	101.5	<0.002	0.41	4.71	9.5	1	1.6	292	0.59	0.23	10.30	0.244	1.43	3.2
V341408		16.9	107.0	<0.002	0.21	3.38	11.4	1	1.7	329	0.63	0.15	11.55	0.253	1.19	3.4
V341409		17.5	115.0	<0.002	0.24	3.27	11.2	1	1.7	330	0.61	0.10	12.80	0.256	1.21	4.0
V341410		14.9	100.5	<0.002	0.30	2.04	9.5	1	1.6	321	0.57	0.11	11.60	0.239	1.04	3.2
V341411		49.6	120.0	<0.002	0.69	10.40	10.3	1	2.1	151.0	0.57	0.17	11.60	0.233	2.09	3.6
V341412		238	129.5	<0.002	1.20	8.68	10.2	<1	2.3	156.5	0.56	0.42	11.35	0.234	2.15	3.7
V341413		937	169.5	<0.002	2.65	20.5	9.3	1	2.9	133.0	0.49	0.18	11.35	0.209	2.34	3.8
V341414		2.1	1.1	<0.002	<0.01	0.08	0.2	<1	<0.2	47.8	<0.05	<0.05	0.11	<0.005	<0.02	1.3
V341415		821	185.5	<0.002	1.87	28.7	9.3	1	3.4	141.5	0.57	<0.05	11.70	0.209	2.52	4.7
V341416		213	129.0	<0.002	0.86	14.90	10.2	1	1.9	286	0.64	0.08	10.90	0.249	1.62	3.5
V341417		7290	150.5	<0.002	2.21	27.2	8.5	1	2.9	78.0	0.48	<0.05	9.89	0.209	2.45	4.4
V341418		22.1	114.5	<0.002	0.23	3.95	9.3	1	1.7	348	0.57	<0.05	10.85	0.262	1.34	3.8
V341419		343	162.0	<0.002	3.64	22.9	9.1	1	2.3	62.8	0.47	0.05	9.82	0.193	3.16	4.0
V341420		16.4	108.5	<0.002	0.03	4.48	10.2	1	1.8	327	0.65	<0.05	11.75	0.255	1.02	3.6
V341421		21.5	105.0	<0.002	0.12	11.80	9.3	<1	1.7	174.0	0.57	<0.05	9.90	0.232	1.66	3.5
V341422		190.0	137.0	<0.002	0.54	22.5	8.8	1	2.0	158.0	0.51	<0.05	10.75	0.202	2.18	3.5
V341423		1350	164.5	0.002	4.69	63.7	9.0	1	7.8	96.7	0.50	1.27	10.70	0.204	2.26	4.9
V341424		16.3	123.5	<0.002	0.16	12.55	9.5	1	1.8	141.0	0.63	<0.05	11.00	0.245	2.03	3.0
V341425		37.9	127.0	<0.002	0.12	5.54	9.7	<1	2.0	214	0.65	<0.05	10.40	0.244	1.86	3.6
V341426		272	172.0	<0.002	1.15	12.50	8.9	<1	3.6	112.0	0.55	<0.05	11.25	0.207	2.73	4.0
V341427		61.6	114.5	<0.002	0.09	1.75	9.8	1	2.0	325	0.63	<0.05	11.00	0.237	1.27	3.8
V341428		171.5	133.0	<0.002	0.41	6.66	10.3	<1	2.8	214	0.68	<0.05	11.15	0.239	1.85	4.4



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 29-AUG-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17171081

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		V	W	Y	Zn	Zr	Au
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
V341393		66	5.7	12.4	838	27.5	0.017
V341394		72	3.3	10.7	2160	23.4	0.056
V341395		66	1.7	13.8	793	34.0	0.008
V341396		58	3.0	11.9	723	29.8	0.028
V341397		65	2.5	17.0	239	29.8	0.005
V341398		69	2.2	18.1	47	30.3	<0.005
V341399		64	2.3	15.3	3070	28.6	0.015
V341400		63	2.7	12.9	1570	24.6	0.202
V341401		2	0.1	0.8	21	<0.5	<0.005
V341402		68	2.3	13.0	595	26.3	0.085
V341403		70	2.3	17.0	50	32.5	0.005
V341404		69	1.8	13.9	45	33.1	<0.005
V341405		54	7.4	9.0	3270	21.9	1.740
V341406		65	2.8	11.8	47	31.5	0.019
V341407		67	1.4	13.2	86	31.1	0.026
V341408		73	2.4	17.2	50	36.1	0.006
V341409		72	1.8	17.6	47	32.9	0.007
V341410		67	1.9	14.4	38	30.0	0.005
V341411		66	3.0	14.5	105	28.6	0.041
V341412		66	3.2	12.8	333	30.5	0.031
V341413		58	2.8	11.6	3380	24.3	0.522
V341414		1	0.1	0.7	20	<0.5	<0.005
V341415		58	5.4	12.1	1380	28.1	0.431
V341416		69	2.2	15.1	159	32.4	0.049
V341417		59	5.1	10.6	>10000	22.4	1.415
V341418		73	5.5	13.7	61	25.5	0.006
V341419		58	4.7	13.8	693	19.8	0.122
V341420		69	1.3	15.9	42	34.3	<0.005
V341421		65	2.7	12.5	62	26.2	<0.005
V341422		58	3.0	14.9	311	23.6	0.110
V341423		63	5.7	10.6	2470	28.6	0.886
V341424		68	2.4	13.3	69	30.6	<0.005
V341425		68	2.5	13.7	133	29.4	<0.005
V341426		58	3.7	11.5	1790	23.4	0.167
V341427		66	1.2	15.7	568	32.5	0.010
V341428		65	6.0	14.3	320	32.8	0.027



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 29-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17171081

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	ME-MS61	ME-OG62	Zn-OG62



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
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CERTIFICATE WH17174185

Project: Klaza

P.O. No.: TR-2

This report is for 21 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
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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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
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CERTIFICATE OF ANALYSIS WH17174185

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
V340351		10.07	1.05	8.38	184.0	2400	1.75	0.78	0.56	2.86	54.9	9.4	9	15.20	30.5	3.76
V340352		6.89	4.79	6.60	671	2490	1.25	0.42	0.71	4.14	36.5	8.5	7	11.80	56.6	3.63
V340353		7.04	0.07	8.28	17.7	1680	1.62	0.13	1.14	0.24	53.6	8.8	10	14.50	3.6	3.48
V340354		9.15	0.06	7.42	8.6	2290	1.67	0.14	2.32	0.16	38.6	8.2	8	14.05	2.5	3.28
V340355		10.10	0.06	6.31	11.4	3100	1.65	0.12	3.21	0.09	26.3	8.6	8	15.45	2.2	3.42
V340356		8.78	0.18	6.53	16.2	4290	1.70	0.59	3.74	0.10	35.1	8.8	7	14.05	4.2	3.32
V340357		13.30	0.08	6.26	17.1	2020	1.51	0.08	3.33	0.12	26.0	8.9	8	19.65	4.8	3.16
V340358		8.76	0.48	7.31	228	2280	1.80	0.39	2.82	0.57	36.1	11.1	9	26.1	20.1	3.50
V340359		8.78	1.41	6.33	172.5	2980	1.62	0.13	3.13	4.43	34.3	10.3	8	17.35	49.8	3.55
V340360		6.90	0.08	7.68	7.8	2140	1.64	0.06	2.83	0.13	38.8	8.8	9	27.3	6.5	3.55
V340361		6.04	0.01	0.05	0.2	20	0.05	0.02	22.1	0.06	0.99	0.7	<1	0.16	1.6	0.49
V340362		11.95	0.07	7.54	7.9	1830	1.60	0.11	1.70	0.13	30.1	9.9	9	24.4	8.5	3.71
V340363		10.93	0.64	7.41	40.5	2160	1.59	0.23	1.97	1.75	32.8	10.6	9	19.40	6.7	3.72
V340364		11.14	0.65	9.21	32.2	3170	1.74	0.96	1.00	0.47	58.1	10.4	10	19.75	11.3	4.27
V340365		13.62	0.34	8.54	28.1	2720	1.71	0.88	1.55	0.30	57.6	9.7	9	20.4	8.0	3.63
V340366		10.64	0.11	7.89	15.0	2150	1.61	0.19	2.96	0.24	51.4	8.7	9	17.65	5.3	3.44
V340367		12.23	0.19	7.57	51.0	2460	1.55	0.15	2.89	1.16	47.1	8.8	9	14.50	8.6	3.48
V340368		7.71	0.39	8.24	112.5	2250	1.66	0.29	1.82	2.58	50.6	9.3	8	16.40	10.0	3.64
V340369		12.23	6.16	8.09	818	2410	1.53	1.21	0.85	6.70	47.7	9.1	9	19.85	120.0	4.14
V340370		9.35	0.15	7.70	61.0	2470	1.88	0.15	2.84	0.69	50.6	10.3	9	15.10	10.0	3.76
V340371		11.80	0.23	8.17	56.4	2410	1.76	0.23	1.55	0.28	56.9	10.7	18	15.25	15.3	3.82



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174185

Sample Description	Method Analyte Units LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
V340351		18.45	0.15	1.4	0.109	3.38	29.9	52.1	0.39	3120	1.34	0.35	8.4	2.9	710	202
V340352		15.40	0.13	1.0	0.191	2.96	19.7	18.2	0.26	7700	2.44	0.05	6.2	2.4	510	403
V340353		17.45	0.16	1.4	0.046	2.70	29.1	39.5	0.49	1340	0.69	0.40	8.2	2.9	690	24.4
V340354		17.45	0.16	1.4	0.044	2.78	17.2	40.5	0.42	904	0.69	0.51	8.0	2.5	690	22.3
V340355		16.95	0.16	1.4	0.049	2.81	11.8	102.5	0.19	1080	0.77	0.69	8.0	2.6	670	22.0
V340356		18.25	0.16	1.1	0.082	2.76	16.4	29.2	0.31	1390	0.99	0.62	7.0	2.5	570	19.7
V340357		16.95	0.14	1.3	0.039	3.04	11.8	81.9	0.21	1380	1.39	0.58	7.9	2.5	610	21.1
V340358		17.15	0.16	1.2	0.059	3.46	16.3	52.9	0.23	3080	3.47	0.16	8.0	3.3	680	39.9
V340359		15.60	0.16	1.2	0.087	3.15	15.2	45.4	0.36	4660	3.43	0.07	7.4	2.6	600	159.5
V340360		17.70	0.18	1.3	0.039	2.83	17.3	28.1	0.33	856	1.11	1.08	8.6	2.8	710	17.9
V340361		0.20	0.19	<0.1	0.005	0.02	0.5	1.2	13.80	218	<0.05	<0.01	0.1	1.1	190	1.4
V340362		18.15	0.19	1.4	0.051	2.77	13.5	65.4	0.22	973	1.47	0.12	8.7	3.0	750	19.9
V340363		18.55	0.18	1.3	0.066	2.66	14.7	56.7	0.25	2520	1.56	0.34	8.5	3.1	680	80.9
V340364		20.5	0.19	1.2	0.110	3.02	36.4	23.6	0.35	3120	2.11	1.48	8.3	3.6	790	34.6
V340365		20.3	0.19	1.3	0.105	2.63	32.6	36.1	0.46	1600	1.10	1.49	8.7	3.3	770	36.7
V340366		17.55	0.19	1.3	0.049	2.50	26.2	19.2	1.00	1040	0.34	1.41	7.6	2.6	690	28.3
V340367		16.80	0.16	1.4	0.042	2.54	20.9	18.1	0.78	1270	0.78	1.80	7.7	2.9	690	23.2
V340368		17.90	0.17	1.3	0.045	2.61	23.9	29.9	0.43	1880	1.71	1.18	8.1	3.0	690	47.4
V340369		18.30	0.19	1.2	0.152	3.61	27.1	10.1	0.32	7340	4.75	0.09	7.8	2.9	660	393
V340370		18.65	0.17	1.4	0.066	2.74	25.9	19.0	0.59	2230	2.31	1.45	8.1	3.0	670	39.9
V340371		18.80	0.20	1.5	0.048	2.54	32.6	19.1	0.80	1140	1.27	1.70	8.4	6.8	690	22.7



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174185

Sample Description	Method Analyte Units LOR	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1
V340351		173.0	<0.002	0.02	23.8	13.4	1	2.0	89.9	0.59	<0.05	15.30	0.299	2.41	3.2	88
V340352		194.0	<0.002	0.05	63.3	9.9	1	1.8	57.6	0.51	<0.05	11.50	0.233	2.83	4.0	73
V340353		127.0	<0.002	0.01	10.40	12.2	1	1.6	92.1	0.64	<0.05	13.90	0.296	1.71	2.2	89
V340354		103.0	0.003	0.02	9.87	11.6	1	1.6	128.5	0.65	<0.05	10.85	0.291	1.53	2.3	91
V340355		91.7	<0.002	0.04	10.15	10.6	1	1.7	165.0	0.66	<0.05	9.55	0.298	1.60	4.6	92
V340356		122.0	<0.002	0.08	8.60	10.0	1	2.1	135.0	0.50	<0.05	9.07	0.261	1.94	4.1	92
V340357		105.5	<0.002	0.02	8.94	9.4	1	1.6	175.0	0.61	<0.05	8.49	0.283	1.95	2.8	88
V340358		148.0	<0.002	0.06	18.20	11.0	1	1.5	146.0	0.64	<0.05	10.40	0.292	2.56	3.8	90
V340359		137.0	<0.002	0.14	31.0	10.5	1	1.5	128.0	0.64	<0.05	10.65	0.265	2.60	4.3	82
V340360		102.0	<0.002	<0.01	5.04	12.1	2	1.6	247	0.68	<0.05	11.70	0.310	1.40	2.6	94
V340361		0.9	<0.002	<0.01	0.08	0.2	1	<0.2	49.3	<0.05	<0.05	0.08	<0.005	<0.02	0.7	2
V340362		106.5	<0.002	0.01	9.94	12.5	1	1.7	127.0	0.74	<0.05	10.50	0.318	1.56	2.7	100
V340363		127.0	<0.002	0.14	13.90	12.3	1	1.7	122.5	0.64	<0.05	9.50	0.302	2.03	2.5	94
V340364		167.5	<0.002	0.06	13.15	14.4	1	1.8	159.0	0.62	0.16	14.15	0.328	2.16	3.0	110
V340365		136.5	<0.002	0.03	9.07	13.8	1	1.9	196.0	0.63	<0.05	13.45	0.317	1.67	2.4	101
V340366		111.0	<0.002	0.01	3.81	12.5	1	1.7	273	0.60	<0.05	13.50	0.292	1.26	2.0	90
V340367		103.0	<0.002	0.01	5.92	12.0	1	1.5	321	0.62	<0.05	13.15	0.291	1.23	1.8	90
V340368		111.0	<0.002	0.01	15.10	12.1	1	1.6	211	0.65	0.06	14.70	0.301	1.48	2.7	91
V340369		196.0	<0.002	0.34	143.5	12.2	1	1.5	78.3	0.61	0.08	13.70	0.283	2.47	2.9	88
V340370		121.0	<0.002	0.01	11.35	12.5	1	1.6	297	0.67	<0.05	13.50	0.282	1.45	2.6	93
V340371		122.5	<0.002	0.02	6.68	13.4	1	1.6	231	0.64	<0.05	14.85	0.309	1.20	2.2	99



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Project: Klaza

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17174185

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340351		2.6	17.2	558	37.2	0.012
V340352		2.2	14.9	632	28.5	0.060
V340353		1.7	15.4	132	36.0	<0.005
V340354		1.9	13.3	94	34.5	<0.005
V340355		1.8	11.0	106	34.2	<0.005
V340356		2.3	13.9	120	30.1	<0.005
V340357		2.4	10.3	80	33.8	<0.005
V340358		3.0	13.3	130	31.0	0.008
V340359		4.2	13.8	435	29.3	0.031
V340360		1.5	15.4	74	33.0	<0.005
V340361		0.1	0.8	16	<0.5	<0.005
V340362		1.9	13.7	77	32.1	<0.005
V340363		2.1	14.5	276	30.1	0.006
V340364		1.7	25.1	226	29.8	0.005
V340365		1.2	23.8	206	33.5	<0.005
V340366		0.8	17.8	109	33.6	<0.005
V340367		0.9	16.3	173	34.2	0.005
V340368		1.4	16.3	346	34.9	0.007
V340369		2.2	21.9	647	34.1	0.055
V340370		1.7	21.5	159	40.0	<0.005
V340371		1.7	24.4	108	44.8	0.007



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17174185

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada
BAG-06 CRU-31 CRU-QC LOG-21
PUL-31 PUL-QC SPL-21 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

CERTIFICATE WH17174190

Project: Klaza

P.O. No.: 17-113

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174190

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	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
		0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
W589518		2.17				0.09	7.31	16.8	2900	1.51	0.22	1.97	0.16	47.7	6.5	10
W589519		1.34				0.12	7.43	23.8	2800	1.53	0.24	2.04	0.16	54.1	7.2	12
W589520		2.02				0.67	7.12	52.9	2400	1.82	0.20	2.16	0.18	64.2	6.3	10
W589521		1.43				0.30	7.50	22.5	1590	2.02	0.22	2.15	0.18	46.9	10.0	11
W589522		12.46				0.66	7.53	46.5	1510	1.70	0.17	2.91	1.28	45.1	8.2	9
W589523		0.26	117	0.951	1.605	>100	5.67	9020	160	1.27	69.1	2.05	249	36.3	9.7	18
W589524		6.00				1.23	7.04	244	1080	1.82	0.20	2.94	7.61	42.1	5.1	10
W589525		9.83				1.26	7.38	41.2	790	1.55	0.30	2.36	0.31	55.7	29.6	11
W589526		3.15				0.15	7.66	11.0	2310	1.58	0.18	2.02	0.21	48.1	5.3	13
W589527		1.53				1.60	6.80	156.5	1550	1.65	0.29	2.26	7.60	47.0	5.3	11
W589528		<0.02				1.44	7.22	150.5	1390	1.68	0.28	2.30	6.50	50.0	4.8	7
W589529		2.51				1.72	6.84	131.5	1070	1.61	0.82	2.12	5.47	48.0	7.2	11
W589530		3.29				0.13	8.20	9.0	2750	1.66	0.28	2.17	0.13	47.5	11.2	12
W589531		1.46				15.25	7.04	192.0	1320	1.53	5.75	2.04	6.41	45.1	8.5	10
W589532		0.26				27.7	6.10	3690	320	1.39	20.9	2.28	82.6	44.0	11.0	19
W589533		6.41				11.05	7.35	489	1670	1.56	1.37	1.99	13.50	52.9	11.9	10
W589534		9.06				0.39	7.16	42.4	3450	1.50	0.20	3.15	0.25	52.6	7.3	8
W589535		1.34				0.55	6.68	24.6	2000	1.65	1.74	2.13	0.13	39.7	20.6	10
W589536		3.54				2.23	6.84	231	2450	1.36	0.16	2.03	3.96	33.4	8.0	10
W589537		6.00				0.02	0.08	<0.2	70	0.07	0.04	21.2	0.06	1.24	0.7	<1
W589538		3.43				0.14	7.07	58.4	2010	1.62	0.17	2.70	0.97	45.3	8.7	6
W589539		2.86				0.31	7.03	19.4	1860	1.43	0.16	3.36	0.32	62.5	5.7	7
W589540		1.83				2.60	5.65	102.0	380	1.06	1.24	3.36	16.65	76.9	16.5	9
W589541		5.14				0.40	7.14	47.9	1260	1.66	0.21	3.11	2.00	56.7	4.1	10
W589542		2.28				9.26	6.31	2190	750	1.45	2.17	3.19	9.24	58.5	12.9	7
W589543		3.56				0.13	6.65	28.0	780	1.62	0.16	2.75	0.17	70.4	2.7	9
W589544		3.37				1.37	6.84	19.3	1370	1.36	3.47	2.83	0.07	95.1	48.2	12
W589545		5.43				0.86	7.17	13.1	1660	1.40	2.80	2.72	0.03	62.2	28.0	13
W589546		5.28				0.06	7.27	9.0	1790	1.63	0.10	2.40	0.09	38.0	2.9	14
W589547		1.73				2.88	6.89	662	690	1.76	0.32	2.31	9.42	41.9	5.5	6
W589548		5.95				0.01	0.09	0.3	40	0.05	0.04	21.0	0.07	1.02	1.6	<1
W589549		2.90				0.07	8.62	6.9	2260	1.28	0.07	1.42	0.10	54.9	4.8	7
W589550		10.67				0.11	7.92	9.8	1790	1.21	0.09	1.70	0.17	49.9	4.3	8
W589551		3.73				0.10	6.94	17.3	1700	1.20	0.12	2.71	0.17	40.8	3.6	9
W589552		4.00				0.34	7.15	26.9	2680	1.68	0.40	2.54	1.10	40.2	16.5	8
W589553		2.59				0.10	6.64	11.8	2100	1.52	0.20	2.82	0.08	37.6	8.3	9



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174190

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
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
W589518		13.15	5.4	3.11	16.85	0.19	1.2	0.044	3.46	22.9	88.7	0.65	637	3.19	1.42
W589519		13.55	5.2	3.16	17.15	0.17	1.1	0.048	3.63	28.2	98.9	0.67	666	1.69	1.39
W589520		13.15	4.1	2.47	16.15	0.21	1.6	0.043	4.62	35.5	90.5	0.73	1150	2.67	0.34
W589521		20.7	4.8	3.37	17.85	0.18	1.3	0.072	3.56	23.3	309	0.84	1980	2.22	0.06
W589522		20.5	3.5	2.86	16.70	0.17	1.1	0.064	3.25	22.3	50.2	0.97	3150	2.52	0.02
W589523		11.95	1360	8.59	14.30	0.16	1.0	4.94	2.43	16.8	35.0	0.67	3260	15.95	0.08
W589524		15.65	3.8	3.70	17.00	0.17	1.1	0.114	3.37	22.3	60.5	0.97	5300	2.96	0.03
W589525		20.5	4.0	3.43	16.30	0.21	1.1	0.058	3.22	31.0	40.0	0.84	1540	3.15	0.05
W589526		18.15	18.9	2.95	16.95	0.16	1.1	0.050	3.51	23.0	85.3	0.68	691	3.40	1.23
W589527		13.05	27.5	3.44	15.80	0.15	0.9	0.255	3.50	24.1	32.2	0.77	2260	3.10	0.04
W589528		13.50	24.4	3.43	16.40	0.20	1.0	0.218	3.63	26.8	33.9	0.81	2300	2.87	0.04
W589529		9.56	13.1	2.78	14.60	0.18	1.8	0.213	3.27	24.8	17.4	0.74	2310	4.70	0.03
W589530		8.90	3.1	3.42	18.00	0.23	1.0	0.072	3.76	24.6	21.3	0.74	820	4.20	1.55
W589531		8.80	670	4.18	16.55	0.20	1.1	0.514	3.77	22.2	24.3	0.64	4130	1.29	0.34
W589532		15.10	462	6.89	15.40	0.16	0.9	1.800	2.75	21.9	25.7	0.96	2010	13.85	0.04
W589533		10.60	106.5	3.85	16.15	0.17	1.1	0.290	3.57	28.6	31.9	0.68	1960	2.45	0.53
W589534		15.95	3.5	3.55	17.10	0.20	1.1	0.066	3.73	27.2	13.4	0.85	1480	1.14	1.24
W589535		24.4	3.7	3.81	17.45	0.17	1.4	0.075	3.17	19.1	40.9	0.27	894	4.56	0.30
W589536		13.70	9.0	2.84	18.15	0.17	1.4	0.071	3.27	14.9	27.9	0.15	1340	4.58	0.53
W589537		0.26	1.8	0.49	0.28	0.20	<0.1	<0.005	0.03	0.6	1.3	13.40	208	0.69	0.01
W589538		14.65	7.2	2.93	16.55	0.26	1.3	0.070	2.89	21.8	17.2	0.41	586	1.56	1.02
W589539		12.80	6.2	2.84	16.00	0.19	1.2	0.081	2.21	35.5	69.0	0.93	1600	1.06	0.50
W589540		9.08	33.5	4.27	12.90	0.19	0.9	0.367	2.29	45.5	27.9	0.90	3000	1.44	0.38
W589541		12.85	14.5	2.38	17.40	0.16	1.3	0.147	1.80	28.8	44.8	0.81	983	1.26	1.03
W589542		10.25	284	4.23	14.55	0.17	1.0	0.438	2.75	32.3	19.0	0.95	4190	2.22	0.03
W589543		9.38	8.1	2.45	17.15	0.19	1.3	0.155	2.90	40.9	19.4	0.64	1700	0.84	0.34
W589544		4.99	3.2	4.62	18.10	0.20	1.2	0.221	2.31	65.4	14.3	0.96	1500	1.38	0.83
W589545		5.97	1.6	3.61	17.15	0.18	1.2	0.127	2.42	38.5	14.3	0.78	1320	2.82	1.06
W589546		13.75	4.7	3.02	15.45	0.11	1.2	0.045	2.81	20.1	18.8	0.57	713	1.07	1.58
W589547		21.3	50.0	3.30	14.65	0.10	1.1	0.257	3.05	23.3	25.9	0.70	3490	0.77	0.04
W589548		0.77	2.8	0.50	0.27	0.13	<0.1	0.005	0.04	0.5	1.3	13.10	217	0.06	0.01
W589549		12.80	3.6	2.84	17.15	0.13	1.5	0.038	3.16	29.9	51.0	0.62	699	0.54	0.12
W589550		13.45	3.9	2.90	16.05	0.11	1.5	0.048	2.78	27.4	31.8	0.61	797	0.61	0.08
W589551		11.55	1.9	3.15	13.65	0.08	1.1	0.069	2.40	22.2	35.1	0.90	1070	1.07	0.04
W589552		14.00	5.5	2.85	14.60	0.10	1.1	0.078	2.87	22.7	21.1	0.76	1300	4.22	0.04
W589553		10.05	1.5	3.13	14.15	0.11	0.9	0.077	2.72	20.3	8.1	0.53	742	0.58	1.44



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
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Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174190

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
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
															0.005
W589518		2.3	600	15.7	135.5	<0.002	0.17	10.35	10.2	1	2.9	288	0.67	<0.05	13.30
W589519		2.2	630	15.8	150.0	<0.002	0.21	11.00	10.4	1	2.7	294	0.66	<0.05	15.10
W589520		1.9	420	18.4	190.5	<0.002	0.37	14.35	8.0	1	1.6	217	0.88	<0.05	23.9
W589521		2.1	620	13.2	159.5	<0.002	0.20	17.20	10.5	1	2.3	279	0.75	<0.05	15.60
W589522		2.2	620	32.5	147.0	<0.002	0.73	16.10	9.8	<1	2.1	306	0.58	<0.05	12.35
W589523		14.6	500	>10000	138.0	<0.002	7.42	235	7.6	2	9.2	127.5	0.43	0.45	8.99
W589524		2.4	570	183.5	165.5	<0.002	1.56	20.9	9.8	1	2.5	195.5	0.58	<0.05	12.40
W589525		3.3	570	31.6	169.5	<0.002	1.59	20.1	9.6	1	2.1	241	0.60	<0.05	14.00
W589526		2.5	630	20.9	142.5	0.002	0.05	16.80	10.2	1	2.2	316	0.67	<0.05	14.25
W589527		2.3	510	149.0	183.5	0.002	1.62	31.3	8.7	1	2.1	167.5	0.56	<0.05	13.90
W589528		2.2	520	137.5	199.5	<0.002	1.57	30.7	9.0	1	2.1	173.0	0.57	<0.05	14.60
W589529		1.9	360	154.0	191.0	<0.002	1.10	20.6	6.6	1	1.6	134.0	0.86	<0.05	23.6
W589530		2.3	630	16.7	161.5	<0.002	0.11	6.15	10.5	<1	2.1	293	0.65	<0.05	15.10
W589531		2.6	600	371	190.0	<0.002	1.39	325	10.0	1	2.6	119.5	0.70	0.08	13.60
W589532		15.8	470	2970	163.0	<0.002	5.02	99.3	8.0	1	8.6	94.5	0.47	0.47	10.90
W589533		2.2	570	524	169.5	0.002	1.42	79.5	9.9	1	2.7	171.0	0.65	<0.05	13.55
W589534		2.6	640	30.1	167.0	<0.002	0.61	9.39	10.6	1	1.6	322	0.67	<0.05	14.75
W589535		2.9	560	13.2	120.0	<0.002	0.30	16.80	8.8	1	1.8	76.6	0.62	0.32	10.85
W589536		2.0	550	102.0	119.5	<0.002	0.07	26.8	8.8	1	1.9	158.5	0.72	<0.05	11.75
W589537		1.3	190	1.9	1.4	<0.002	0.01	0.15	0.2	<1	<0.2	50.9	<0.05	<0.05	0.14
W589538		2.3	560	16.4	109.5	<0.002	0.03	9.75	9.5	1	2.3	177.5	0.65	<0.05	14.30
W589539		2.2	550	17.6	116.5	0.002	0.28	6.89	9.1	1	2.8	158.5	0.60	<0.05	14.05
W589540		2.3	510	1180	116.5	<0.002	1.85	10.50	7.5	1	4.5	155.5	0.47	0.15	9.55
W589541		2.1	610	71.1	88.0	<0.002	0.25	7.42	10.7	1	2.3	221	0.62	<0.05	11.95
W589542		2.3	530	480	174.0	<0.002	2.41	83.7	8.3	1	3.5	84.7	0.51	0.13	11.70
W589543		1.8	510	20.3	159.0	<0.002	0.14	6.70	9.1	1	2.7	110.5	0.60	<0.05	12.80
W589544		3.6	580	14.2	121.5	0.003	1.66	2.59	9.5	<1	3.6	186.0	0.61	0.61	13.25
W589545		2.5	570	10.7	123.5	0.003	1.13	2.76	10.0	1	2.5	164.5	0.61	0.50	13.25
W589546		2.1	590	14.6	111.5	<0.002	0.05	4.48	9.1	1	1.6	318	0.66	<0.05	10.35
W589547		2.8	470	1330	156.5	<0.002	1.84	23.9	9.1	1	2.5	107.0	0.60	<0.05	11.40
W589548		1.3	190	1.9	3.0	<0.002	<0.01	0.07	0.2	<1	<0.2	48.2	<0.05	<0.05	0.09
W589549		2.1	680	16.8	121.5	<0.002	0.05	7.73	10.5	1	2.1	117.0	0.80	<0.05	15.90
W589550		2.3	630	14.5	112.5	<0.002	0.05	16.60	9.9	1	2.0	108.0	0.86	<0.05	14.25
W589551		1.9	510	9.9	104.5	<0.002	0.19	15.45	9.1	<1	1.8	138.0	0.66	<0.05	12.85
W589552		3.0	570	55.0	133.5	<0.002	0.66	10.60	8.2	1	2.3	109.5	0.67	0.07	12.30
W589553		2.1	540	9.9	114.0	<0.002	0.22	3.62	8.8	1	1.7	208	0.61	0.05	12.70
															0.221



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17174190

Sample Description	Method Analyte Units LOR	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
W589518		2.00	2.9	70	2.6	13.6	56	31.3	<0.005
W589519		2.18	3.6	68	2.5	14.5	57	29.9	<0.005
W589520		2.99	8.0	50	3.3	14.1	53	38.7	0.015
W589521		2.49	8.1	69	2.9	15.3	77	32.3	<0.005
W589522		3.12	6.7	69	2.9	13.4	125	26.0	0.020
W589523		2.27	5.6	57	4.8	9.6	>10000	32.0	4.29
W589524		2.77	7.3	66	3.1	13.2	520	26.7	0.330
W589525		3.48	10.5	67	2.3	12.0	51	29.0	0.024
W589526		1.92	3.8	71	2.7	14.3	54	26.5	<0.005
W589527		2.95	9.5	61	3.1	12.4	823	22.2	0.049
W589528		2.99	9.5	62	3.2	13.4	695	22.4	0.091
W589529		2.94	9.2	44	2.4	12.6	583	43.0	0.034
W589530		2.00	4.5	70	1.9	14.4	69	25.9	<0.005
W589531		2.87	7.2	67	3.7	13.1	548	26.7	1.130
W589532		2.46	5.5	60	5.4	10.3	5810	26.0	2.23
W589533		2.46	4.8	66	2.9	12.3	1330	25.8	0.172
W589534		2.22	6.0	73	1.7	16.0	69	26.8	0.033
W589535		1.84	4.0	66	4.6	12.1	60	39.1	0.014
W589536		1.65	2.8	68	2.3	13.7	441	35.7	0.048
W589537		0.02	0.6	3	0.1	0.8	18	<0.5	<0.005
W589538		1.27	2.7	65	1.2	15.5	143	33.6	<0.005
W589539		1.70	6.4	63	10.2	15.7	85	30.6	0.102
W589540		1.65	4.3	68	24.8	11.8	1680	23.2	0.115
W589541		1.45	4.3	68	3.4	16.4	263	31.1	0.007
W589542		2.54	5.1	59	11.1	14.5	1030	27.0	1.080
W589543		2.73	4.7	58	3.1	14.4	53	31.8	0.009
W589544		1.83	4.2	79	7.3	14.2	53	30.8	0.042
W589545		2.11	4.7	64	4.1	14.0	45	29.9	0.016
W589546		1.33	3.8	66	1.1	12.9	44	30.6	<0.005
W589547		2.57	7.5	66	4.1	13.5	917	25.3	0.161
W589548		0.02	0.6	3	0.1	0.7	18	<0.5	0.009
W589549		1.32	4.2	72	3.2	18.0	33	36.9	<0.005
W589550		1.35	2.9	69	4.2	16.9	48	34.1	<0.005
W589551		1.54	4.2	64	1.6	13.2	62	25.2	0.007
W589552		1.78	3.8	54	1.4	14.4	115	26.8	0.008
W589553		1.42	4.6	59	1.0	13.6	47	24.1	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17174190

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Pb-OG62	Zn-OG62		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

CERTIFICATE WH17174192

Project: Klaza

P.O. No.: 17-116

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
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1016 - 510 W HASTINGS STREET
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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To: ROCKHAVEN RESOURCES LTD.
C/O ARCHER, CATHRO AND ASSOCIATES
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174192

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	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
		0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
W589554		9.55				0.06	7.75	7.5	2360	1.72	0.07	2.44	0.13	52.6	4.6	13
W589555		10.77				0.09	7.55	9.7	2250	1.74	0.08	2.66	0.12	50.9	3.6	12
W589556		4.55				0.11	7.54	15.3	1680	1.59	0.10	2.73	0.16	49.1	4.2	10
W589557		4.03				0.11	7.39	22.1	1040	1.61	0.11	3.19	0.29	53.4	4.4	9
W589558		5.32				0.33	6.34	68.6	2490	1.43	0.09	3.80	0.20	46.0	6.0	9
W589559		0.26				40.8	5.89	2630	90	1.18	38.9	1.66	46.1	36.1	16.2	23
W589560		3.72				0.13	7.12	15.5	1890	1.82	0.11	2.74	0.15	50.5	5.9	9
W589561		4.05				0.11	6.95	10.5	3210	1.64	0.11	3.08	0.14	49.0	6.5	8
W589562		1.75				0.14	6.98	12.8	4880	1.40	0.09	3.25	0.13	53.6	3.8	8
W589563		2.30				0.33	7.08	19.0	1260	1.53	0.14	3.16	0.32	62.5	11.8	7
W589564		5.84				<0.01	0.07	0.2	40	0.07	0.03	20.9	0.05	1.12	0.6	<1
W589565		2.82				0.11	8.01	11.6	2230	1.56	0.09	2.60	0.17	51.6	4.2	10
W589566		1.49				18.60	7.11	471	930	1.34	12.45	2.46	16.00	48.5	7.9	11
W589567		0.26	120	0.969	1.625	>100	5.57	8550	130	1.11	65.1	1.95	232	32.7	8.9	18
W589568		5.62				0.21	7.64	15.9	2150	1.60	0.16	2.60	0.27	52.3	4.6	8
W589569		11.74				0.20	7.83	20.3	1850	1.69	0.27	2.86	0.30	55.7	6.1	17
W589570		3.01				0.19	7.81	26.9	610	1.86	1.20	4.19	0.12	69.3	10.7	46
W589571		1.56				0.14	7.68	30.9	610	1.72	1.35	4.27	0.12	66.8	9.6	46
W589572		5.10				0.14	6.38	17.8	2110	1.62	0.41	2.51	0.16	38.1	3.7	7
W589573		6.11				0.46	5.62	317	2150	1.48	0.46	0.46	0.13	36.4	1.9	5
W589574		4.18				0.62	6.93	306	1750	1.45	0.54	2.19	0.07	45.8	14.0	9
W589575		9.92				0.09	7.20	14.0	3200	1.43	0.39	2.55	0.05	54.1	39.4	8
W589576		4.47				0.04	7.15	6.9	3510	1.41	0.13	2.47	0.03	54.7	7.7	10
W589577		2.22				0.09	6.63	10.7	3010	1.27	0.21	2.58	0.05	55.4	15.1	10
W589578		4.13				2.25	7.38	458	310	1.61	1.03	4.16	8.77	34.0	8.3	45
W589579		3.78				1.05	7.35	78.7	970	1.40	0.23	1.82	1.92	49.9	4.4	8
W589580		4.40				1.20	6.16	15.8	980	1.19	0.33	2.44	0.66	71.3	9.4	8
W589581		<0.02				1.17	5.84	17.4	1020	1.22	0.33	2.30	0.47	70.5	8.4	8
W589582		4.48				0.20	6.72	8.1	1700	1.38	0.27	2.94	0.10	51.7	6.3	9
W589583		3.14				0.09	6.49	6.9	1670	1.35	0.25	2.68	0.03	150.5	2.7	10
W589584		10.01				0.20	6.78	47.0	2580	1.31	0.19	2.80	0.22	57.0	5.3	9
W589585		11.14				0.54	6.91	359	3580	1.54	0.32	2.08	0.52	64.0	14.5	10
W589586		3.57				0.87	6.22	659	1670	1.34	0.18	3.38	6.67	79.1	15.3	7
W589587		2.64				13.20	6.11	2980	360	1.25	0.18	2.22	67.5	43.4	14.7	8
W589588		5.94				0.01	0.05	1.7	20	0.09	0.03	21.5	0.12	1.35	0.8	<1
W589589		13.35				0.39	7.19	85.4	1890	1.53	0.21	2.18	0.69	45.2	8.2	8



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Page: 2 - B
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Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH17174192

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
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
W589554		8.14	2.6	2.85	16.40	0.09	1.4	0.039	2.81	29.7	11.9	0.72	439	0.41	2.61
W589555		9.17	5.2	3.14	16.50	0.08	1.2	0.053	2.42	28.0	14.1	0.69	505	0.53	2.80
W589556		15.55	1.8	3.37	16.35	0.08	1.1	0.052	2.47	27.4	31.8	0.76	547	0.84	1.29
W589557		22.8	1.6	2.90	16.05	0.08	1.1	0.063	2.63	30.6	48.9	1.01	749	0.79	0.05
W589558		21.4	2.8	2.43	13.10	0.07	1.1	0.031	2.60	26.8	31.9	1.18	2120	1.96	0.03
W589559		10.05	1225	9.35	13.90	0.06	0.8	1.615	2.70	19.1	16.9	0.68	2350	16.05	0.06
W589560		17.60	2.0	2.75	16.15	0.08	1.3	0.039	3.21	27.3	26.9	0.68	622	0.74	1.44
W589561		14.25	1.6	2.88	16.05	0.08	1.3	0.055	2.75	26.9	13.6	0.72	621	0.58	2.09
W589562		12.80	1.8	2.86	15.85	0.09	1.1	0.045	2.46	27.4	70.9	0.72	576	0.45	0.71
W589563		20.3	3.0	2.87	15.45	0.08	1.4	0.045	2.79	35.6	46.6	0.93	953	1.08	0.63
W589564		0.19	1.9	0.48	0.22	0.10	<0.1	<0.005	0.02	0.5	1.3	13.00	202	0.06	0.01
W589565		11.65	3.4	2.90	16.75	0.11	1.1	0.047	2.79	28.3	23.4	0.71	515	0.59	2.66
W589566		17.55	168.5	4.25	16.10	0.07	1.0	0.521	2.78	27.2	61.8	0.82	1040	59.6	1.06
W589567		11.40	1340	8.32	12.65	0.06	1.0	4.87	2.39	17.3	30.5	0.64	3150	13.85	0.08
W589568		18.95	5.3	2.80	16.15	0.08	1.1	0.048	2.88	29.6	38.4	0.75	560	0.45	2.13
W589569		17.70	6.9	3.47	17.05	0.10	1.5	0.062	2.55	30.9	27.0	0.95	655	1.49	2.34
W589570		46.5	4.9	6.64	19.60	0.09	3.3	0.108	2.25	36.4	52.0	2.04	1240	2.83	0.62
W589571		42.4	7.7	6.54	18.85	0.07	3.1	0.106	2.26	35.4	41.3	2.12	1280	2.69	0.67
W589572		20.0	10.6	1.61	13.85	0.08	2.7	0.015	2.18	20.8	45.9	0.90	481	0.91	0.06
W589573		20.5	6.4	0.80	12.55	0.07	2.0	0.009	2.19	19.7	68.8	0.24	186	3.73	0.05
W589574		26.1	2.2	3.43	14.40	0.07	1.1	0.081	3.12	26.0	22.9	0.79	1300	1.00	0.09
W589575		14.00	2.6	3.97	15.65	0.06	1.2	0.071	2.63	31.5	23.8	0.81	871	3.36	1.31
W589576		8.13	1.2	3.17	16.15	0.08	1.3	0.072	2.30	30.9	15.2	0.72	739	0.76	2.11
W589577		6.78	21.7	3.29	14.75	0.06	1.0	0.074	2.08	32.4	13.4	0.64	683	1.24	1.79
W589578		18.40	13.3	3.47	18.45	0.09	3.2	0.166	2.38	14.4	74.0	1.42	3350	0.55	0.11
W589579		11.10	3.8	2.84	17.20	0.09	1.2	0.141	2.43	27.2	34.4	0.64	1880	0.43	0.06
W589580		11.10	6.5	2.53	12.85	0.18	1.0	0.062	2.35	40.7	62.9	0.66	1000	0.61	0.06
W589581		11.05	7.7	2.45	12.85	0.19	1.0	0.063	2.31	38.8	61.3	0.62	982	0.59	0.06
W589582		9.61	5.3	3.35	16.25	0.16	0.8	0.062	2.46	26.4	15.2	0.40	666	0.23	1.86
W589583		8.85	1.4	2.88	13.95	0.23	1.4	0.154	2.80	92.5	28.0	0.89	1080	6.47	0.35
W589584		9.52	1.6	3.02	13.80	0.18	0.9	0.064	3.57	30.1	20.4	0.49	1220	2.83	0.55
W589585		10.95	3.0	3.38	14.40	0.20	0.9	0.067	3.42	36.6	38.2	0.55	1040	2.78	0.11
W589586		16.80	4.0	2.69	11.90	0.21	0.9	0.079	2.78	45.8	27.3	0.65	1390	2.62	0.03
W589587		11.45	26.5	3.71	12.95	0.14	0.9	0.059	2.83	25.2	30.6	0.75	2700	4.68	0.03
W589588		0.16	3.0	0.49	0.21	0.15	<0.1	0.005	0.02	0.7	1.2	13.60	222	0.21	<0.01
W589589		13.70	3.4	2.81	15.95	0.20	1.3	0.049	3.41	24.4	88.7	0.72	1230	1.44	0.53



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Page: 2 - C
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CERTIFICATE OF ANALYSIS WH17174192

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
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
W589554		2.5	590	16.7	105.5	<0.002	0.01	1.53	9.4	1	1.6	407	0.72	<0.05	15.55
W589555		2.4	620	16.4	91.9	<0.002	0.01	2.18	9.9	1	2.2	421	0.68	<0.05	14.90
W589556		2.4	590	15.4	90.2	<0.002	0.04	6.42	9.8	1	1.8	250	0.62	<0.05	14.60
W589557		2.4	590	12.4	108.5	<0.002	0.12	12.15	9.6	1	1.7	195.5	0.61	<0.05	14.15
W589558		2.3	480	14.3	119.0	<0.002	0.71	16.05	7.4	1	1.2	156.5	0.55	<0.05	13.05
W589559		14.5	470	1700	146.5	0.002	8.09	104.0	7.8	1	11.1	63.6	0.40	0.70	8.97
W589560		2.5	580	17.6	128.5	<0.002	0.13	5.75	9.5	1	1.4	286	0.68	<0.05	15.30
W589561		2.4	550	16.2	112.5	<0.002	0.06	4.60	9.8	1	1.6	342	0.67	<0.05	14.80
W589562		2.3	820	17.2	86.8	<0.002	0.18	12.30	9.8	1	1.7	254	0.63	<0.05	13.60
W589563		2.7	550	48.8	116.5	<0.002	0.24	9.66	9.2	1	1.4	184.0	0.66	<0.05	15.55
W589564		1.4	170	1.3	1.1	<0.002	<0.01	0.10	0.2	<1	<0.2	50.0	<0.05	<0.05	0.11
W589565		2.7	630	17.0	108.0	<0.002	0.04	1.90	9.8	1	1.6	415	0.66	<0.05	14.40
W589566		3.6	580	615	119.5	0.007	2.54	17.85	8.9	1	4.1	366	0.57	0.19	12.80
W589567		13.6	480	>10000	132.0	<0.002	7.32	220	6.7	1	8.6	122.5	0.42	0.46	8.17
W589568		2.4	600	24.0	119.0	<0.002	0.04	3.92	9.7	1	1.7	347	0.62	<0.05	15.50
W589569		2.7	730	23.1	109.0	<0.002	0.07	3.50	12.0	1	2.0	428	0.56	<0.05	13.70
W589570		3.9	1160	16.1	129.0	<0.002	0.05	8.80	23.8	1	3.7	443	0.40	0.30	7.63
W589571		4.4	1120	16.3	128.5	<0.002	0.08	8.03	22.5	1	3.6	473	0.36	0.11	7.13
W589572		2.4	310	14.4	93.4	<0.002	0.09	14.10	2.6	1	2.3	383	1.08	<0.05	11.95
W589573		0.9	110	37.2	96.0	<0.002	0.24	28.2	1.8	1	1.8	122.0	0.93	<0.05	11.20
W589574		2.5	540	13.1	139.5	<0.002	0.87	14.40	8.5	1	1.6	160.0	0.56	<0.05	14.00
W589575		2.9	540	7.6	131.5	<0.002	0.70	4.94	9.8	1	2.1	186.5	0.57	<0.05	15.10
W589576		2.4	600	5.6	105.5	<0.002	0.14	2.70	9.2	1	2.0	237	0.60	<0.05	15.95
W589577		2.3	550	6.0	103.5	<0.002	0.50	3.44	8.8	1	1.9	195.0	0.50	<0.05	15.30
W589578		4.4	1200	250	130.5	<0.002	1.12	20.7	24.1	1	4.2	194.0	0.36	<0.05	7.92
W589579		2.6	610	146.5	103.0	<0.002	0.61	17.85	9.9	1	2.3	94.7	0.64	<0.05	15.00
W589580		1.9	410	347	109.0	<0.002	0.17	20.2	7.0	1	1.4	108.5	0.53	<0.05	15.00
W589581		1.8	410	394	101.0	<0.002	0.17	21.6	6.9	1	1.4	104.0	0.52	<0.05	14.90
W589582		1.9	610	13.3	94.6	<0.002	0.11	5.23	10.2	1	1.6	230	0.50	<0.05	9.42
W589583		1.5	460	3.1	132.0	<0.002	0.23	3.83	8.9	1	2.4	129.0	0.49	<0.05	15.90
W589584		1.7	530	13.7	143.0	<0.002	0.40	4.23	8.7	1	2.0	166.5	0.51	<0.05	10.95
W589585		2.7	520	31.0	153.5	<0.002	0.83	13.35	9.0	1	2.2	144.0	0.54	0.05	11.55
W589586		2.1	460	146.5	140.5	<0.002	0.86	14.95	8.1	1	2.1	155.5	0.48	<0.05	12.90
W589587		4.0	430	3700	132.5	<0.002	2.61	31.2	7.8	1	3.1	92.9	0.45	<0.05	11.00
W589588		2.2	180	4.0	1.0	<0.002	0.01	0.08	0.2	1	<0.2	51.4	<0.05	<0.05	0.12
W589589		2.6	500	42.1	141.0	<0.002	0.70	11.85	8.6	1	1.8	209	0.65	<0.05	15.30



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Sample Description	Method Analyte Units LOR	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
W589554		0.91	5.0	63	0.5	19.0	36	36.7	<0.005
W589555		0.84	4.3	67	0.8	17.5	45	34.1	<0.005
W589556		1.20	3.2	66	1.2	16.3	45	30.2	<0.005
W589557		1.74	4.9	63	1.5	16.7	66	30.0	<0.005
W589558		1.89	5.3	50	2.7	14.1	39	29.1	0.115
W589559		2.17	5.4	57	7.0	8.8	3450	22.9	1.720
W589560		1.61	4.2	63	0.9	17.3	39	36.3	<0.005
W589561		1.06	4.8	65	1.0	18.7	46	34.7	<0.005
W589562		1.07	2.8	76	1.4	17.6	40	33.4	<0.005
W589563		1.24	5.1	62	1.1	16.5	55	36.3	0.005
W589564		<0.02	0.6	1	0.1	0.7	16	<0.5	<0.005
W589565		0.91	4.3	70	0.8	18.1	52	30.3	<0.005
W589566		1.40	4.3	71	6.7	14.6	1140	27.2	0.346
W589567		2.09	5.1	53	4.2	8.5	>10000	33.4	4.42
W589568		1.14	3.4	65	0.9	18.0	52	30.8	0.033
W589569		1.01	3.8	89	0.9	17.9	56	49.2	<0.005
W589570		1.46	5.5	196	9.7	20.3	95	126.0	0.177
W589571		1.43	5.0	193	10.8	20.1	99	120.5	0.085
W589572		1.10	8.1	25	2.6	11.8	43	82.3	<0.005
W589573		1.38	6.4	11	1.7	8.7	30	55.2	0.060
W589574		2.12	7.6	56	2.2	15.4	55	29.5	0.056
W589575		1.59	4.0	67	3.7	14.6	53	32.3	0.010
W589576		1.41	4.3	66	1.4	10.8	49	33.6	<0.005
W589577		1.27	4.3	60	1.1	9.8	46	28.6	<0.005
W589578		2.16	7.2	195	4.3	23.8	881	123.5	0.182
W589579		2.02	7.2	65	2.4	14.7	256	35.2	0.017
W589580		1.47	5.5	52	1.7	13.8	81	27.7	0.006
W589581		1.46	5.2	51	1.6	14.0	70	28.0	0.007
W589582		1.20	2.6	72	2.1	14.6	65	22.8	<0.005
W589583		1.90	5.9	52	1.6	11.1	46	39.4	<0.005
W589584		2.23	3.8	62	1.6	13.0	47	24.2	0.009
W589585		2.32	4.1	60	1.8	13.5	64	24.3	0.053
W589586		2.33	5.3	41	1.9	14.0	381	23.7	0.131
W589587		2.14	5.5	47	1.9	10.3	4410	21.4	0.422
W589588		<0.02	0.4	2	0.1	0.8	22	<0.5	<0.005
W589589		2.14	5.9	58	1.8	13.4	75	32.8	0.018



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174192

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Pb-OG62	Zn-OG62		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

CERTIFICATE WH17174196

Project: Klaza

P.O. No.: 17-115

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174196

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W592015		11.95	0.70	6.85	50.7	1560	1.48	25.4	2.53	0.27	38.6	9.1	12	17.85	119.0	3.37
W592016		4.27	0.27	6.86	44.2	2840	1.30	1.50	2.79	0.13	40.8	8.3	11	20.7	12.0	3.65
W592017		8.43	0.09	7.80	18.7	2220	1.46	0.41	2.87	0.12	53.6	8.8	13	10.20	8.7	3.68
W592018		1.86	0.18	6.06	15.1	1910	1.40	0.66	3.81	0.20	63.7	7.8	7	16.40	5.3	3.07
W592019		0.26	38.9	5.61	2560	90	1.12	35.6	1.62	43.8	35.5	15.9	23	10.10	1165	9.13
W592020		5.20	0.11	6.97	7.9	3000	1.50	0.32	2.90	0.11	51.5	7.7	10	12.05	4.0	3.00
W592021		3.89	0.55	7.35	34.4	570	1.74	0.45	1.52	0.99	47.3	10.9	10	24.3	45.6	3.24
W592022		4.04	3.75	7.81	206	980	1.48	2.96	1.30	4.50	48.4	9.3	12	15.20	59.1	3.86
W592023		9.51	0.12	8.01	48.2	1820	1.83	0.26	2.04	0.12	54.5	8.2	12	15.35	8.1	3.60
W592024		4.18	0.30	7.82	53.7	1900	1.55	0.46	1.98	0.28	48.4	10.3	11	14.60	39.6	3.76
W592025		10.69	0.36	6.57	242	1280	1.45	0.49	2.77	0.83	51.5	8.3	10	22.5	9.0	2.86
W592026		3.57	1.19	7.17	89.8	1650	1.70	1.39	1.90	1.69	51.1	8.9	10	21.9	8.5	3.35
W592027		11.10	0.11	7.55	7.4	2190	1.23	0.29	1.80	0.12	47.3	8.3	12	13.45	8.7	3.61
W592028		11.97	0.10	8.27	5.3	1990	1.36	0.37	1.70	0.11	56.4	8.7	11	28.0	10.0	3.36
W592029		0.26	24.0	5.86	3400	270	1.28	21.0	2.11	81.2	39.4	10.6	20	15.25	444	6.52
W592030		4.12	2.69	7.38	1135	1540	1.27	2.76	1.39	18.05	46.2	8.1	13	16.40	21.6	3.83
W592031		4.28	4.36	7.54	302	1850	2.29	1.02	2.77	7.36	70.1	11.9	27	32.7	35.1	3.59
W592032		8.24	0.38	7.28	56.4	370	1.89	0.22	2.23	0.61	72.5	9.7	29	37.5	14.7	2.90
W592033		11.82	0.46	7.52	71.3	1530	1.80	0.45	2.17	1.72	47.7	9.2	10	24.2	15.6	3.77
W592034		4.84	5.65	7.40	231	1270	1.64	1.00	1.86	5.16	48.8	10.4	11	19.10	65.4	4.22
W592035		<0.02	5.55	7.14	231	1410	1.60	0.96	1.79	5.16	47.3	9.7	11	18.05	61.0	4.05
W592036		5.41	0.10	6.90	16.9	1950	1.65	0.16	2.94	0.24	47.6	8.1	12	12.00	14.7	3.09
W592037		2.35	0.36	7.12	81.3	1120	1.68	0.24	2.21	2.00	47.0	6.9	11	14.45	6.9	3.21
W592038		3.15	0.78	7.29	137.5	870	1.88	0.14	2.70	1.88	50.0	8.0	11	21.6	29.3	3.32
W592039		6.79	3.88	5.53	595	750	1.28	0.19	4.09	5.94	34.0	6.8	8	15.25	29.5	3.93
W592040		2.28	0.48	7.26	56.9	1300	1.46	0.19	2.51	0.41	44.9	9.8	10	19.45	52.5	3.06
W592041		4.82	1.25	6.98	47.0	4590	1.48	0.34	2.13	0.65	41.5	11.0	9	17.85	32.4	3.44
W592042		8.67	12.00	7.55	112.0	1820	1.48	0.26	1.44	9.03	45.1	8.9	10	16.30	56.7	3.42
W592043		2.03	15.10	7.29	416	950	1.73	0.23	2.13	30.8	48.3	9.8	10	14.45	51.7	4.67
W592044		2.89	0.64	7.14	120.0	940	1.67	0.34	3.51	1.03	45.9	8.3	12	16.45	12.8	4.14
W592045		6.02	0.06	0.07	1.6	50	<0.05	0.05	21.3	0.10	1.07	1.1	<1	0.19	1.7	0.51
W592046		2.66	3.74	7.44	186.0	1080	1.53	5.13	2.78	1.39	52.4	16.8	10	16.80	125.0	4.72
W592047		3.01	0.54	7.38	179.5	1660	1.57	0.24	2.68	1.64	50.6	8.6	10	19.10	7.7	3.39
W592048		4.22	0.53	6.85	1245	1620	1.58	0.39	4.75	0.83	48.2	9.9	8	39.9	14.9	3.18
W592049		6.11	0.01	0.07	0.4	30	0.09	0.05	21.4	0.07	1.12	1.0	<1	0.21	1.8	0.50
W592050		3.71	0.17	7.86	7.4	2230	2.10	0.26	1.80	0.14	51.9	9.2	10	17.80	23.8	4.06



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
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Project: Klaza

CERTIFICATE OF ANALYSIS WH17174196

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
		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
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
W592015		17.00	0.14	1.1	0.098	2.78	17.9	91.3	0.51	1060	19.70	0.30	8.1	3.0	650
W592016		16.45	0.14	1.1	0.069	2.66	20.3	55.4	0.44	1360	4.67	0.63	7.7	2.9	610
W592017		17.55	0.17	1.2	0.061	2.62	29.1	11.9	0.86	896	1.03	2.03	8.4	3.5	710
W592018		15.10	0.18	1.0	0.060	2.06	36.1	41.9	1.15	1440	0.84	0.04	6.0	2.5	460
W592019		14.25	0.15	0.8	1.525	2.56	17.3	15.7	0.66	2300	17.55	0.06	4.7	14.2	450
W592020		15.75	0.16	1.0	0.060	2.07	27.2	12.1	0.97	1200	0.58	1.72	7.5	2.7	600
W592021		17.05	0.16	1.1	0.080	2.46	24.3	122.5	0.66	2350	1.26	0.04	8.5	4.6	760
W592022		18.05	0.14	1.2	0.206	3.17	26.0	45.8	0.56	2250	1.24	0.07	8.1	3.3	620
W592023		18.05	0.16	1.4	0.055	3.09	28.7	26.0	0.93	1030	2.07	0.83	8.7	3.1	640
W592024		18.30	0.17	1.5	0.063	2.91	24.6	29.4	0.92	877	1.00	0.59	8.9	2.9	640
W592025		14.90	0.15	1.0	0.043	2.80	28.5	26.4	0.91	1860	1.03	0.03	7.1	2.8	560
W592026		16.45	0.14	0.9	0.119	3.20	28.1	25.8	0.75	2400	1.02	0.03	7.1	2.9	580
W592027		17.20	0.14	1.0	0.060	2.84	23.9	22.9	0.70	1040	0.58	0.72	7.9	2.8	640
W592028		17.60	0.17	1.2	0.050	2.85	30.4	29.3	0.72	852	1.21	0.49	8.1	4.9	730
W592029		13.85	0.05	0.8	1.665	2.60	21.4	20.5	0.88	1880	13.20	0.04	5.5	15.3	440
W592030		17.00	0.09	0.9	0.366	3.23	25.3	29.8	0.56	1700	1.15	0.08	7.0	3.1	590
W592031		18.70	0.13	3.5	0.088	1.89	37.2	67.4	1.23	1560	3.26	0.04	10.6	11.3	1480
W592032		18.65	0.13	3.8	0.041	2.06	38.4	139.5	1.11	1220	1.33	0.04	11.0	10.8	1520
W592033		17.85	0.13	1.0	0.079	3.27	25.1	38.3	0.84	3610	2.45	0.28	8.0	2.9	660
W592034		17.80	0.09	0.9	0.168	2.98	26.6	36.1	0.72	4080	4.45	0.03	6.9	3.1	610
W592035		17.10	0.10	0.8	0.168	2.92	26.3	35.0	0.69	3970	4.33	0.03	6.9	3.0	590
W592036		15.55	0.14	1.1	0.048	3.11	26.2	17.4	0.65	1380	1.15	1.23	7.3	2.5	620
W592037		16.10	0.15	1.1	0.065	3.53	24.8	35.4	0.69	2260	0.85	0.08	7.5	2.5	590
W592038		17.55	0.13	1.2	0.062	2.79	26.5	98.7	0.87	3040	2.09	0.04	8.1	2.1	630
W592039		11.95	0.08	0.9	0.135	2.44	18.9	23.2	1.19	8230	1.92	0.02	5.3	2.3	450
W592040		15.80	0.14	1.0	0.062	2.65	25.3	55.5	0.91	2250	1.00	0.04	7.1	2.6	600
W592041		16.15	0.11	1.0	0.069	2.88	21.6	32.0	0.78	2730	0.95	0.06	7.3	3.0	580
W592042		18.20	0.17	1.2	0.180	2.65	23.1	31.1	0.60	3710	0.91	0.05	8.6	2.6	640
W592043		16.50	0.15	1.1	0.168	3.67	27.3	11.3	0.90	15900	0.75	0.04	7.3	3.7	570
W592044		16.70	0.12	1.1	0.189	3.85	24.9	8.1	0.90	3960	0.70	0.04	7.6	2.8	610
W592045		0.29	0.15	<0.1	<0.005	0.03	0.5	0.9	13.25	236	0.11	<0.01	0.1	0.3	170
W592046		17.60	0.10	1.1	0.781	3.21	27.9	53.1	0.98	2870	1.18	0.05	7.7	3.2	710
W592047		16.30	0.12	1.1	0.091	3.38	27.9	40.1	0.88	3800	0.54	0.04	7.5	2.4	650
W592048		16.90	0.10	0.9	0.074	2.84	27.6	25.7	1.16	4050	0.28	0.04	6.5	2.6	550
W592049		0.31	0.16	<0.1	0.009	0.03	0.6	1.0	13.25	227	0.08	0.01	0.1	0.6	180
W592050		17.15	0.11	1.2	0.048	2.73	28.0	26.8	1.06	656	1.10	0.91	7.6	2.8	660



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174196

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W592015		103.5	<0.002	0.24	47.2	10.4	1	6.1	123.0	0.64	0.13	9.98	0.279	2.13	3.4	80
W592016		123.0	<0.002	0.15	16.60	10.7	1	3.9	116.0	0.59	0.05	10.95	0.267	2.29	4.7	76
W592017		111.0	<0.002	0.15	2.55	12.2	1	2.2	362	0.63	<0.05	12.60	0.307	1.19	2.1	87
W592018		122.0	<0.002	0.30	26.5	8.2	1	2.4	126.5	0.52	0.06	10.55	0.195	1.20	3.5	66
W592019		141.0	0.003	7.80	108.5	7.6	2	11.1	59.8	0.38	0.80	8.48	0.160	2.29	5.0	57
W592020		112.0	<0.002	0.31	5.18	10.2	1	2.0	201	0.57	<0.05	11.05	0.258	1.36	2.5	76
W592021		127.0	<0.002	0.13	48.9	11.8	<1	1.9	115.0	0.62	<0.05	11.80	0.304	1.97	11.7	85
W592022		163.5	<0.002	2.24	40.2	10.8	1	4.6	83.4	0.67	<0.05	13.80	0.271	2.06	6.6	77
W592023		149.5	<0.002	0.07	8.41	12.3	1	1.7	213	0.72	<0.05	14.85	0.283	1.67	4.4	81
W592024		130.0	<0.002	0.07	47.2	12.6	1	2.5	198.5	0.74	<0.05	13.45	0.291	1.48	3.5	89
W592025		151.5	<0.002	0.41	18.55	9.7	1	2.1	92.0	0.56	<0.05	12.60	0.247	1.89	14.3	67
W592026		173.5	<0.002	0.47	22.2	10.6	1	2.7	80.4	0.52	<0.05	11.40	0.250	2.72	4.1	74
W592027		115.0	<0.002	0.08	12.05	11.2	1	2.1	202	0.58	<0.05	11.50	0.279	1.38	2.4	79
W592028		112.0	<0.002	0.02	12.10	12.7	1	2.1	189.0	0.71	<0.05	13.65	0.326	1.39	3.6	96
W592029		144.0	0.002	4.69	92.6	7.2	1	8.1	89.4	0.45	0.39	8.85	0.176	2.32	5.1	56
W592030		149.0	<0.002	1.53	21.7	10.5	1	4.0	112.5	0.56	0.16	11.95	0.256	2.00	9.8	75
W592031		90.2	<0.002	0.57	46.2	7.6	1	2.0	338	0.76	0.05	8.45	0.382	2.12	5.3	76
W592032		89.1	<0.002	0.08	29.9	7.5	1	1.6	602	0.76	<0.05	7.90	0.389	1.95	5.3	74
W592033		151.5	<0.002	0.49	12.55	12.0	<1	2.2	178.5	0.62	<0.05	11.85	0.286	2.43	4.6	81
W592034		164.0	<0.002	1.64	56.1	11.4	1	3.7	104.0	0.54	<0.05	10.30	0.260	2.71	16.1	75
W592035		155.5	0.002	1.54	54.0	11.0	1	3.6	102.0	0.51	<0.05	9.82	0.253	2.63	15.0	73
W592036		140.5	<0.002	0.17	5.71	11.3	1	2.5	212	0.63	<0.05	14.90	0.273	1.72	6.8	82
W592037		169.0	<0.002	0.55	10.75	10.7	<1	2.1	118.5	0.65	<0.05	13.15	0.257	2.63	6.1	73
W592038		153.0	<0.002	0.53	18.70	12.5	<1	2.3	134.0	0.71	<0.05	14.00	0.280	2.44	4.1	83
W592039		165.0	<0.002	1.27	43.3	7.9	<1	2.6	102.5	0.46	<0.05	9.30	0.189	2.48	7.3	55
W592040		130.5	<0.002	0.30	22.3	10.3	1	6.9	146.0	0.56	<0.05	13.35	0.256	2.10	5.9	75
W592041		154.5	<0.002	0.66	24.5	10.6	1	4.1	99.1	0.59	<0.05	12.95	0.253	2.15	4.2	70
W592042		142.0	<0.002	0.46	54.4	12.1	1	3.6	74.2	0.77	<0.05	14.00	0.278	1.98	4.3	77
W592043		243	<0.002	1.20	74.1	10.7	1	3.2	71.3	0.71	<0.05	13.30	0.244	3.23	9.6	72
W592044		226	<0.002	0.84	14.05	11.6	1	3.5	94.9	0.66	<0.05	14.00	0.263	3.28	6.9	75
W592045		1.4	<0.002	<0.01	0.14	0.2	<1	<0.2	51.5	<0.05	<0.05	0.10	<0.005	0.02	0.7	2
W592046		185.0	<0.002	1.84	54.6	11.0	1	16.5	104.5	0.67	0.05	13.15	0.283	2.63	4.3	92
W592047		192.0	<0.002	0.64	14.35	10.9	1	2.2	126.0	0.64	<0.05	13.95	0.276	2.71	6.5	77
W592048		170.0	<0.002	0.82	23.0	9.8	<1	3.0	156.0	0.54	<0.05	10.50	0.241	2.25	10.4	81
W592049		1.3	<0.002	0.01	0.09	0.2	<1	<0.2	53.5	<0.05	<0.05	0.09	<0.005	0.02	0.6	2
W592050		80.0	<0.002	0.03	4.74	12.1	1	1.8	287	0.63	<0.05	14.95	0.280	1.28	3.6	83



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174196

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W592015		2.2	11.3	89	27.5	<0.005
W592016		2.6	13.5	75	26.5	<0.005
W592017		4.5	15.9	70	28.0	0.011
W592018		5.0	15.6	65	24.7	<0.005
W592019		7.2	8.5	3360	22.3	1.740
W592020		1.9	12.1	56	24.1	<0.005
W592021		6.0	12.0	134	27.9	<0.005
W592022		6.8	13.3	527	30.7	0.095
W592023		2.6	16.2	60	32.9	<0.005
W592024		3.4	15.3	88	33.6	0.012
W592025		2.0	12.5	148	22.9	0.034
W592026		3.2	12.0	189	21.7	0.012
W592027		3.8	14.7	72	24.9	<0.005
W592028		2.8	16.2	75	27.1	<0.005
W592029		4.9	8.7	5470	24.6	2.29
W592030		4.5	12.1	2130	23.3	0.467
W592031		3.8	12.6	762	154.0	0.374
W592032		4.7	12.8	121	163.0	0.017
W592033		2.8	14.8	214	26.7	0.039
W592034		6.6	12.6	553	23.5	0.105
W592035		6.1	12.1	554	22.0	0.123
W592036		1.9	13.3	78	29.8	<0.005
W592037		2.8	13.2	211	33.0	0.008
W592038		2.6	15.3	224	32.4	0.019
W592039		4.5	11.3	543	23.4	0.078
W592040		3.5	14.1	78	26.9	0.006
W592041		3.3	13.0	112	27.2	0.016
W592042		6.7	14.9	1060	30.3	0.026
W592043		5.4	15.0	2280	28.1	0.054
W592044		3.3	16.0	203	30.7	0.007
W592045		0.1	0.8	20	<0.5	<0.005
W592046		2.9	13.7	291	28.2	0.033
W592047		2.2	13.5	264	28.6	0.011
W592048		2.8	14.9	178	26.5	0.163
W592049		0.1	0.8	20	0.5	<0.005
W592050		1.8	14.6	73	31.8	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17174196

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18-SEP-2017
Account: ROCKHA

CERTIFICATE WH17174197

Project: Klaza

P.O. No.: 17-117

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 16-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174197

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
W589590		8.78	0.17	7.72	16.6	2840	1.61	0.15	2.34	0.10	59.3	3.3	12	14.65	5.7	3.11
W589591		2.90	0.69	7.74	53.5	3080	1.50	2.24	1.93	0.88	61.5	10.6	8	14.90	24.7	3.45
W589592		2.76	4.56	5.80	217	150	1.12	2.46	3.18	5.37	40.1	94.3	7	7.99	13.0	7.03
W589593		5.16	0.29	7.25	26.5	1350	1.76	0.24	2.38	0.36	41.4	6.5	8	13.65	3.0	3.15
W589594		4.27	1.34	6.72	653	290	1.69	0.61	2.65	2.40	42.0	19.4	7	11.15	6.9	4.26
W589595		<0.02	1.38	6.73	660	370	1.32	0.61	2.64	2.16	40.4	19.7	6	10.40	6.7	4.17
W589596		3.20	0.50	7.06	93.6	1150	1.58	0.48	2.16	0.81	51.9	10.1	7	14.75	2.3	2.73
W589597		13.26	0.13	7.51	8.7	3060	1.58	0.22	2.88	0.11	49.3	13.4	9	9.22	1.6	2.53
W589598		8.36	0.34	7.42	18.0	3150	1.67	0.53	2.40	0.13	45.2	17.2	9	11.45	1.7	2.91
W589599		0.26	27.3	6.17	3610	740	1.38	21.9	2.26	83.0	43.0	11.6	20	14.75	472	6.94
W589600		4.20	0.90	7.15	267	540	1.47	0.22	2.07	1.75	46.7	6.6	8	13.85	3.8	3.47
W589601		3.76	0.25	7.58	31.8	1770	1.64	0.34	2.91	0.16	57.2	9.9	9	19.00	2.6	2.95
W589602		3.95	4.79	5.48	198.5	1080	1.31	0.92	3.95	0.87	36.9	6.7	10	13.65	44.4	2.77
W589603		0.26	41.5	5.97	2700	80	1.40	40.2	1.74	47.2	36.6	17.8	24	10.05	1245	9.70
W589604		5.08	7.33	6.81	367	1770	1.38	0.80	1.59	1.58	45.6	5.8	9	18.05	48.4	3.25
W589605		2.31	0.27	7.67	18.8	2090	1.51	0.82	2.47	0.11	52.2	14.9	9	13.30	37.5	3.29
W589606		2.60	0.16	7.83	16.4	2230	1.10	0.51	1.60	0.12	49.7	7.4	10	14.20	16.4	3.22
W589607		8.72	0.18	7.34	33.4	2310	1.43	0.47	2.44	0.18	46.6	7.1	9	16.20	31.9	3.17
W589608		9.22	0.13	8.00	8.6	2340	1.75	0.51	2.60	0.16	53.6	7.1	11	12.00	12.3	3.08
W589609		4.76	0.11	7.90	8.1	2360	1.54	0.54	2.63	0.13	54.7	7.4	11	12.40	14.4	3.19
W589610		3.31	0.21	7.95	11.3	2450	1.67	0.42	2.57	0.15	55.4	7.2	11	8.70	43.8	3.21
W589611		2.39	0.20	7.43	20.3	2130	1.52	0.58	2.63	0.12	49.0	10.5	10	13.80	21.8	3.32
W589612		3.82	0.26	7.81	30.1	2430	1.44	0.27	3.15	0.15	53.6	6.2	8	17.00	30.7	2.72
W589613		7.64	0.14	8.23	9.5	2460	1.65	0.49	2.60	0.19	57.2	5.8	13	12.35	23.8	3.23
W589614		5.93	<0.01	0.08	<0.2	50	0.07	0.04	22.1	0.06	1.19	0.8	<1	0.27	1.6	0.52
W589615		6.00	0.25	7.59	14.9	2620	1.41	0.36	2.21	0.15	49.0	4.2	10	10.10	90.3	3.22
W589616		1.60	0.51	7.57	15.0	2080	1.55	1.69	1.89	0.06	48.8	12.2	10	9.34	5.4	4.34
W589617		7.38	0.25	7.87	26.3	2540	1.58	0.57	2.28	0.25	52.9	6.6	9	13.55	40.4	3.14
W589618		1.95	9.79	6.62	1130	2360	1.42	0.38	3.26	16.35	46.5	6.1	7	13.50	39.1	3.13
W589619		3.73	1.61	7.61	32.9	2650	1.47	0.68	3.34	0.18	53.0	8.1	8	14.75	36.9	2.63
W589620		1.76	5.04	6.09	263	1260	1.56	0.68	3.48	2.66	41.4	5.2	6	14.35	16.4	2.24
W589621		6.11	0.01	0.07	0.7	50	<0.05	0.03	21.4	0.05	1.12	0.8	<1	0.15	2.6	0.49
W589622		1.80	1.81	8.40	514	1970	1.44	0.69	1.16	12.40	52.0	8.4	9	24.1	26.1	3.15
W589623		6.54	0.49	7.66	50.9	2320	1.52	0.71	1.91	1.19	54.0	5.6	9	19.20	64.9	2.99
W589624		1.86	14.65	6.64	5790	150	1.39	0.45	1.30	58.6	43.1	9.7	8	15.95	38.3	4.17
W589625		1.50	0.69	6.89	165.0	2260	1.31	1.09	2.31	0.95	44.0	7.4	9	11.25	11.0	2.47



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174197

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W589590		17.25	0.19	1.3	0.071	3.43	33.6	42.0	0.69	921	0.73	1.58	8.5	3.1	600
W589591		16.20	0.17	1.3	0.171	3.77	36.5	23.4	0.72	2490	0.83	0.03	7.8	2.3	570
W589592		12.70	0.16	0.9	0.235	2.77	21.2	15.0	1.03	3860	1.24	0.03	6.3	3.5	580
W589593		16.75	0.15	1.4	0.070	3.33	21.3	60.6	0.63	1320	6.03	0.04	8.5	2.1	550
W589594		15.90	0.15	1.0	0.219	3.32	23.1	16.8	0.87	2530	0.66	0.04	6.6	2.9	490
W589595		15.10	0.16	1.0	0.187	3.20	22.5	16.2	0.89	2580	0.68	0.03	6.3	2.5	480
W589596		15.20	0.17	1.0	0.077	3.24	30.3	25.8	0.82	1640	1.37	0.03	7.3	2.4	550
W589597		16.05	0.16	1.1	0.065	3.49	27.7	19.9	0.59	833	1.49	1.15	8.1	2.4	590
W589598		16.80	0.16	1.1	0.082	3.61	23.8	49.0	0.80	1120	1.03	0.25	8.3	2.1	610
W589599		15.75	0.16	1.0	1.730	2.76	22.9	25.5	0.96	2030	13.60	0.04	6.1	17.0	470
W589600		16.05	0.13	1.0	0.062	3.23	26.7	55.3	0.78	2730	4.51	0.03	7.4	2.2	560
W589601		18.35	0.16	1.1	0.060	3.18	30.8	174.5	0.84	1220	1.16	0.06	8.3	3.3	600
W589602		12.70	0.11	1.1	0.044	1.74	20.2	99.8	1.19	5840	2.22	0.02	6.1	2.1	380
W589603		15.30	0.17	0.9	1.595	2.74	17.7	17.9	0.71	2500	17.50	0.06	5.1	15.5	480
W589604		15.70	0.17	1.2	0.071	3.21	25.3	45.7	0.53	3570	2.05	0.02	7.0	2.9	480
W589605		17.80	0.17	1.6	0.083	3.17	27.8	17.7	0.61	855	1.01	1.78	8.6	2.7	570
W589606		17.25	0.16	1.6	0.054	3.37	26.1	27.1	0.42	808	0.90	0.41	8.7	2.2	600
W589607		17.20	0.15	1.6	0.067	3.44	24.5	31.5	0.65	1320	1.02	1.01	8.5	2.5	590
W589608		17.40	0.17	1.8	0.046	3.01	28.9	13.3	0.81	701	1.75	2.31	8.6	2.5	640
W589609		17.50	0.20	1.6	0.056	3.03	30.0	13.5	0.84	738	1.48	2.30	8.6	2.5	630
W589610		18.55	0.17	1.7	0.053	3.00	29.4	14.8	0.87	708	2.05	2.52	9.6	2.7	700
W589611		17.15	0.17	1.8	0.066	3.37	24.6	15.8	0.84	1070	2.68	1.80	9.1	2.5	590
W589612		17.25	0.17	1.8	0.049	3.41	30.1	34.8	1.07	1340	1.85	0.27	8.6	2.5	610
W589613		18.40	0.20	1.6	0.068	3.52	31.5	10.2	0.67	757	12.85	2.31	8.9	2.6	630
W589614		0.31	0.24	<0.1	<0.005	0.03	0.6	1.7	13.95	227	0.12	0.01	0.2	1.7	180
W589615		16.40	0.22	1.4	0.084	3.87	26.2	13.0	0.68	862	2.38	1.41	8.1	2.5	590
W589616		17.20	0.18	1.2	0.223	4.40	27.3	19.0	0.97	1650	1.94	0.08	7.9	2.8	590
W589617		16.90	0.18	1.6	0.056	3.64	29.1	13.1	0.70	1980	1.42	1.75	8.3	2.4	590
W589618		14.90	0.17	1.4	0.060	3.10	26.2	30.2	0.93	2990	1.88	0.50	7.2	2.2	500
W589619		16.55	0.18	1.7	0.055	2.27	29.1	53.2	1.16	1580	2.51	0.02	8.2	2.7	590
W589620		13.55	0.14	1.4	0.029	1.84	22.8	56.3	1.10	3130	3.33	0.02	6.5	1.8	440
W589621		0.29	0.28	<0.1	<0.005	0.02	0.6	1.5	13.60	220	0.31	<0.01	0.1	1.5	190
W589622		18.10	0.23	1.6	0.047	4.14	28.2	56.5	0.39	4280	2.89	0.28	8.8	2.9	630
W589623		16.80	0.15	1.5	0.066	3.64	29.2	20.0	0.55	1040	2.46	1.15	8.1	6.3	610
W589624		15.10	0.12	1.4	0.160	3.62	22.4	15.9	0.48	2780	3.40	0.06	6.6	3.0	460
W589625		17.20	0.12	1.8	0.038	3.15	21.1	37.5	0.67	3620	2.97	0.07	8.2	2.7	590



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174197

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W589590		150.5	<0.002	0.19	7.58	10.2	1	1.8	287	0.65	<0.05	15.75	0.253	1.96	5.5	66
W589591		192.0	<0.002	0.99	15.45	9.4	1	2.0	123.0	0.69	<0.05	14.20	0.226	3.28	5.5	61
W589592		173.5	<0.002	5.29	13.70	7.9	2	2.8	92.5	0.54	1.18	9.92	0.186	2.45	3.3	62
W589593		132.5	<0.002	0.52	9.18	9.3	1	2.0	153.5	0.71	<0.05	12.50	0.234	2.41	4.8	64
W589594		168.5	<0.002	2.50	12.95	8.7	1	3.0	113.5	0.60	0.07	12.35	0.192	2.60	3.4	57
W589595		161.0	<0.002	2.49	12.65	8.2	1	2.9	109.0	0.60	0.09	11.75	0.187	2.51	3.3	56
W589596		149.0	<0.002	0.74	9.07	9.2	1	1.9	180.5	0.54	0.05	12.65	0.211	2.59	7.0	58
W589597		134.5	<0.002	0.40	4.60	9.9	1	1.9	224	0.62	<0.05	14.50	0.243	1.85	4.2	64
W589598		145.0	<0.002	0.75	8.34	10.4	1	2.1	146.0	0.64	<0.05	14.60	0.244	2.38	5.0	66
W589599		163.0	<0.002	5.02	104.5	8.4	1	8.7	97.0	0.44	0.43	11.00	0.183	2.64	5.6	61
W589600		152.0	<0.002	1.77	16.30	9.5	1	2.3	118.5	0.55	<0.05	12.65	0.228	2.44	7.9	65
W589601		121.0	<0.002	0.48	8.48	10.6	1	1.9	245	0.63	0.05	13.70	0.254	2.30	6.1	69
W589602		100.5	<0.002	0.50	68.2	7.5	1	2.3	185.5	0.46	<0.05	10.30	0.177	1.55	4.0	49
W589603		151.0	0.002	8.28	116.0	8.7	2	11.7	67.0	0.40	0.83	9.94	0.174	2.43	5.8	61
W589604		172.5	<0.002	1.07	73.2	9.2	1	2.9	80.5	0.50	<0.05	12.50	0.219	2.73	4.4	64
W589605		140.5	<0.002	0.17	16.00	10.6	1	2.5	266	0.68	<0.05	15.35	0.254	1.73	3.8	70
W589606		138.5	<0.002	0.18	23.2	10.6	1	2.5	103.0	0.72	<0.05	15.75	0.257	1.77	5.0	70
W589607		144.5	<0.002	0.11	18.25	10.6	2	2.3	206	0.66	<0.05	14.65	0.254	2.03	4.9	69
W589608		128.5	<0.002	0.02	3.01	11.4	1	2.1	375	0.70	<0.05	15.85	0.265	1.31	4.3	73
W589609		127.5	<0.002	0.02	3.22	11.8	1	2.7	373	0.68	<0.05	15.45	0.273	1.39	3.9	77
W589610		126.0	<0.002	0.01	2.02	11.5	1	2.3	395	0.73	<0.05	15.95	0.289	1.25	4.4	76
W589611		140.5	<0.002	0.15	9.76	10.8	1	2.5	298	0.75	<0.05	15.15	0.264	1.89	4.8	73
W589612		161.0	<0.002	0.25	34.3	10.4	1	2.5	159.5	0.71	<0.05	16.35	0.249	2.24	7.5	66
W589613		156.0	<0.002	0.01	5.19	11.6	1	3.6	355	0.68	<0.05	17.15	0.275	1.54	3.2	74
W589614		1.6	<0.002	<0.01	0.11	0.2	1	<0.2	51.8	<0.05	<0.05	0.19	<0.005	0.02	0.6	2
W589615		165.0	<0.002	0.08	7.68	10.2	1	2.4	195.0	0.65	<0.05	14.30	0.252	2.09	5.8	69
W589616		214	0.002	0.28	7.93	10.6	1	1.9	93.3	0.67	0.12	14.55	0.261	2.89	6.4	73
W589617		154.0	<0.002	0.14	9.64	10.4	1	2.2	301	0.64	<0.05	15.30	0.262	1.89	4.5	68
W589618		144.0	<0.002	1.08	53.9	9.1	1	3.3	165.0	0.59	<0.05	13.25	0.212	2.24	3.9	57
W589619		112.5	<0.002	0.23	50.8	10.2	1	2.2	202	0.64	<0.05	15.60	0.250	2.15	5.5	66
W589620		89.2	<0.002	0.26	76.1	8.3	1	2.7	225	0.52	<0.05	12.15	0.198	1.64	4.9	56
W589621		1.0	<0.002	0.01	0.20	0.2	1	<0.2	49.6	<0.05	<0.05	0.13	<0.005	<0.02	0.7	2
W589622		172.5	<0.002	0.16	134.0	11.1	1	3.4	146.5	0.70	<0.05	16.20	0.285	2.91	5.7	76
W589623		159.0	<0.002	0.15	30.8	10.7	1	2.7	197.5	0.68	<0.05	14.10	0.265	2.22	2.6	71
W589624		166.0	<0.002	3.63	293	8.5	1	6.9	56.1	0.60	<0.05	11.65	0.211	3.10	3.9	56
W589625		113.5	<0.002	0.75	42.7	10.6	1	2.5	124.5	0.72	<0.05	12.65	0.252	2.07	5.4	68



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174197

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W589590		1.5	15.1	48	33.9	0.005
W589591		2.3	11.9	97	29.6	0.022
W589592		3.2	11.7	441	20.8	6.37
W589593		1.8	12.5	69	30.9	0.009
W589594		2.0	12.6	220	24.8	0.184
W589595		2.1	11.9	211	23.4	0.141
W589596		1.8	14.8	99	23.1	0.034
W589597		1.4	14.2	42	27.0	<0.005
W589598		1.5	13.7	44	26.8	0.006
W589599		5.4	10.0	5780	26.5	2.29
W589600		1.9	13.1	149	22.6	0.058
W589601		1.6	15.1	52	27.7	<0.005
W589602		4.0	13.5	98	29.1	0.142
W589603		7.9	9.2	3590	24.0	1.670
W589604		3.3	13.4	168	32.1	0.121
W589605		3.1	16.9	54	42.2	0.009
W589606		6.9	15.6	52	42.9	0.009
W589607		3.4	15.7	67	46.3	0.011
W589608		2.4	17.8	61	47.7	<0.005
W589609		2.5	18.5	59	42.8	<0.005
W589610		2.1	19.4	64	46.1	<0.005
W589611		4.4	16.8	55	47.2	0.036
W589612		4.8	16.8	51	48.7	<0.005
W589613		14.1	18.2	68	44.6	<0.005
W589614		0.1	0.8	18	<0.5	0.005
W589615		3.7	14.5	91	37.5	<0.005
W589616		7.3	14.3	66	30.4	0.009
W589617		3.6	15.7	106	41.1	<0.005
W589618		4.2	14.7	1270	42.0	0.214
W589619		4.7	16.5	62	52.6	<0.005
W589620		4.8	13.4	388	37.7	0.039
W589621		0.1	0.8	17	<0.5	<0.005
W589622		4.6	13.8	1880	42.2	0.020
W589623		4.2	16.0	259	45.3	<0.005
W589624		5.7	9.0	3420	38.7	2.25
W589625		5.8	16.0	219	49.3	0.117



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 18-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17174197

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

CERTIFICATE WH17174210

Project: Klaza

P.O. No.: 17-121

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174210

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
W592087		3.53	8.05	6.96	814	1060	1.65	0.30	2.72	24.8	49.2	8.3	9	24.5	152.0	3.77
W592088		8.16	0.56	7.16	132.0	1580	1.73	0.32	2.24	0.47	55.3	9.4	12	17.70	12.6	3.19
W592089		13.30	0.13	5.89	27.5	1240	1.42	0.23	2.12	0.17	48.9	4.9	7	13.40	4.5	2.08
W592090		7.93	0.06	6.92	4.0	1930	1.73	0.13	2.41	0.06	51.2	8.3	12	13.30	7.5	3.25
W592091		14.16	0.07	7.85	3.3	2190	1.70	0.13	3.10	0.10	61.8	10.0	12	11.60	8.8	3.57
W592092		6.14	0.01	0.06	<0.2	40	0.06	0.04	19.85	0.06	1.06	1.0	1	0.15	1.4	0.46
W592093		10.16	0.06	7.67	3.7	2180	1.61	0.11	2.91	0.09	60.5	8.2	11	22.0	7.6	3.23
W592094		8.52	0.35	7.10	55.6	1780	1.36	0.13	2.69	1.40	54.4	8.0	10	19.85	18.0	3.21
W592095		4.95	0.05	7.19	4.0	2010	1.41	0.13	2.36	0.08	52.3	7.6	11	14.25	7.9	2.96
W592096		0.26	25.3	5.79	3350	1120	1.32	20.6	2.07	79.1	42.4	10.7	19	14.45	427	6.41
W592097		4.52	2.67	7.17	76.5	1250	1.60	0.22	2.20	3.93	52.1	8.1	8	23.9	30.5	3.18
W592098		3.33	0.16	7.41	8.4	1940	1.41	0.14	2.16	0.20	59.1	9.3	10	12.40	12.4	3.43
W592099		1.71	0.32	7.12	37.9	2440	1.37	0.37	1.98	0.42	54.9	8.5	10	14.15	9.6	3.56
W592100		9.26	0.09	7.24	4.7	2180	1.56	0.13	2.67	0.12	47.1	8.1	11	11.75	8.7	3.09
W592101		3.45	0.10	7.35	5.1	2240	1.66	0.13	2.76	0.13	47.7	8.6	11	12.30	7.5	3.17
W592102		13.96	0.11	7.39	5.3	2190	1.65	0.12	2.66	0.10	52.2	8.8	12	9.98	6.9	3.19
W592103		2.11	0.24	6.68	22.1	1530	1.81	0.23	2.76	0.17	49.2	8.4	9	29.6	11.4	3.12
W592104		1.93	2.48	5.62	247	1420	1.42	0.55	4.70	6.73	44.3	7.4	7	17.50	38.4	3.85
W592105		0.26	39.1	5.34	2260	170	1.07	33.3	1.50	41.8	34.9	15.5	22	9.48	1100	8.44
W592106		2.67	0.34	6.62	32.7	1480	1.77	0.36	2.59	1.37	49.1	8.0	9	13.55	8.8	3.05
W592107		11.39	0.12	6.75	5.7	1970	1.54	0.13	3.19	0.13	53.9	8.0	11	9.81	8.7	3.03
W592108		11.66	0.15	7.47	8.5	2080	1.94	0.11	2.78	0.30	51.3	9.1	10	11.40	7.5	3.17
W592109		3.80	0.72	6.91	243	1760	1.74	0.13	2.61	1.48	46.9	8.8	10	20.7	14.3	3.31
W592110		2.65	17.85	5.03	1140	270	1.01	0.21	5.21	12.45	35.7	7.9	6	9.72	133.0	5.42
W592111		<0.02	15.50	4.85	1015	350	1.03	0.21	6.62	13.15	33.0	8.0	7	9.83	111.0	5.41
W592112		2.32	8.11	4.96	2280	280	1.10	0.18	5.23	13.70	36.0	8.3	6	10.95	41.4	3.54
W592113		4.16	0.23	7.42	11.6	1980	1.39	0.12	1.36	0.41	46.8	7.5	10	16.40	8.7	3.10
W592114		1.94	2.18	6.81	1190	1390	1.59	0.49	1.91	4.25	56.3	8.5	8	20.1	19.8	4.47
W592115		5.84	0.10	6.28	9.5	1690	1.36	0.16	2.07	0.14	45.6	5.5	10	13.80	9.0	2.17
W592116		5.49	0.09	6.94	9.9	1790	1.75	0.10	3.01	0.12	48.0	8.2	12	17.55	8.7	2.99
W592117		6.49	0.43	7.21	43.7	920	1.46	0.23	2.09	0.77	53.6	8.4	18	24.1	12.7	2.72
W592118		4.74	0.30	5.23	42.6	600	1.65	0.11	7.19	0.38	45.0	7.1	12	28.5	16.6	2.11
W592119		5.91	0.01	0.04	<0.2	20	<0.05	0.04	20.2	0.06	1.01	1.0	<1	0.11	2.8	0.47
W592120		3.92	0.32	6.12	27.5	950	1.45	0.16	2.21	0.42	65.3	4.5	13	24.6	6.1	2.24
W592121		9.48	0.21	6.83	22.3	1340	2.06	0.23	2.11	0.23	73.6	4.8	13	36.7	4.6	2.42
W592122		11.71	0.07	6.98	15.7	1390	1.93	0.12	2.05	0.19	74.0	4.8	13	40.1	5.0	2.41



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174210

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W592087		15.80	0.14	1.0	0.161	2.65	27.0	105.5	0.92	8210	1.46	0.06	7.0	2.4	580
W592088		17.35	0.18	1.3	0.100	2.99	29.6	38.1	0.80	2750	1.37	0.32	8.3	2.7	600
W592089		12.90	0.16	1.4	0.041	2.05	27.9	62.5	0.63	1020	0.38	0.06	6.4	1.4	330
W592090		16.50	0.17	1.2	0.041	2.25	26.6	15.1	0.81	784	1.25	1.43	7.8	2.8	710
W592091		18.20	0.23	1.4	0.050	2.46	32.5	14.6	1.04	846	6.04	2.33	9.1	3.1	750
W592092		0.30	0.19	<0.1	0.005	0.02	0.5	1.3	12.50	199	0.05	0.01	0.1	0.3	160
W592093		17.15	0.23	1.2	0.043	2.64	33.3	11.6	0.85	740	3.03	2.26	8.2	2.3	670
W592094		16.00	0.21	1.1	0.062	2.81	29.8	29.1	0.82	1740	7.06	1.11	7.4	2.4	610
W592095		17.15	0.25	1.1	0.035	2.47	27.4	16.8	0.69	681	6.68	1.43	8.1	2.4	630
W592096		14.25	0.12	0.9	1.720	2.55	22.6	22.2	0.87	1820	13.35	0.04	5.8	15.6	430
W592097		15.95	0.17	1.1	0.062	2.49	28.8	100.0	0.79	2460	2.43	0.07	7.4	2.6	630
W592098		17.45	0.20	1.2	0.044	2.48	30.4	23.6	0.80	967	2.54	1.16	8.5	2.9	700
W592099		16.85	0.19	1.2	0.089	2.90	29.6	21.9	0.68	1730	0.76	0.41	8.0	2.5	630
W592100		17.55	0.26	1.1	0.035	2.49	23.8	15.7	0.80	746	1.12	2.23	8.2	4.4	600
W592101		18.05	0.27	1.3	0.034	2.55	25.1	15.7	0.85	804	1.01	2.23	8.4	2.8	640
W592102		18.10	0.24	1.3	0.034	2.48	27.2	21.2	0.92	779	0.96	2.19	8.5	2.8	630
W592103		16.50	0.21	1.0	0.051	2.45	25.5	190.0	0.91	1130	9.31	0.46	7.7	2.5	620
W592104		12.40	0.19	0.9	0.271	2.20	25.4	50.8	1.49	4560	0.95	0.03	5.9	2.4	480
W592105		13.85	0.15	0.8	1.450	2.42	17.8	15.4	0.62	2150	17.10	0.06	4.7	13.8	420
W592106		16.35	0.21	1.2	0.103	2.80	26.3	60.5	0.85	1160	0.91	0.55	7.9	2.5	610
W592107		15.95	0.23	1.2	0.036	2.37	30.4	20.1	0.88	1040	1.01	1.65	7.7	2.8	610
W592108		18.55	0.22	1.4	0.040	2.55	27.4	18.7	0.87	888	1.03	2.12	8.7	2.9	650
W592109		16.90	0.20	1.4	0.067	2.75	23.8	24.9	0.70	2860	1.01	1.52	8.5	2.6	640
W592110		11.55	0.17	0.9	0.262	2.28	19.7	13.9	1.06	16750	1.04	0.02	5.6	1.9	440
W592111		11.30	0.10	0.8	0.256	2.20	18.2	13.3	1.05	15350	1.21	0.02	5.0	1.7	380
W592112		11.55	0.09	0.8	0.187	2.15	20.5	21.7	1.11	8360	1.26	0.02	5.1	1.9	390
W592113		18.15	0.18	1.3	0.042	2.59	23.0	27.8	0.55	920	0.86	0.31	9.2	2.6	650
W592114		16.00	0.19	1.0	0.223	3.34	32.2	33.0	0.64	9600	0.97	0.27	7.8	2.8	620
W592115		15.30	0.21	1.4	0.021	3.19	24.8	37.4	0.53	636	0.93	0.74	7.0	2.0	430
W592116		17.60	0.22	1.4	0.031	2.35	24.5	60.7	0.75	756	1.88	1.39	8.8	3.2	700
W592117		18.05	0.21	1.2	0.044	2.47	28.0	51.2	0.75	901	1.40	0.04	8.4	3.0	650
W592118		12.10	0.18	1.7	0.023	1.57	25.5	31.6	0.69	1590	0.70	0.04	6.4	3.5	640
W592119		0.28	0.21	<0.1	<0.005	0.01	0.6	1.1	12.60	197	0.05	<0.01	0.1	0.4	160
W592120		14.75	0.18	2.3	0.021	2.02	36.1	63.7	0.86	1080	0.66	0.05	9.3	3.1	800
W592121		18.25	0.21	2.4	0.023	2.63	39.1	34.2	0.82	837	0.98	0.06	11.6	3.0	860
W592122		17.95	0.22	2.4	0.024	2.73	40.5	29.6	0.81	897	0.77	0.06	11.2	3.0	860



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174210

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W592087		150.5	<0.002	1.15	59.7	10.6	1	1.8	133.5	0.58	<0.05	13.25	0.245	2.17	5.5	71
W592088		160.0	<0.002	0.47	14.20	13.1	1	2.3	137.0	0.73	<0.05	16.45	0.265	2.10	6.3	83
W592089		95.8	<0.002	0.08	18.10	6.6	1	1.9	105.0	0.78	<0.05	20.4	0.152	1.58	4.6	43
W592090		97.6	<0.002	0.01	4.49	13.1	1	1.8	273	0.61	<0.05	13.10	0.282	1.04	2.9	86
W592091		107.5	<0.002	0.01	0.96	14.6	1	1.7	424	0.72	<0.05	16.30	0.310	1.11	4.3	97
W592092		0.9	<0.002	<0.01	0.06	0.2	<1	<0.2	47.8	<0.05	<0.05	0.10	<0.005	<0.02	0.5	2
W592093		115.0	<0.002	0.01	1.70	11.8	1	1.6	397	0.75	<0.05	16.60	0.285	1.17	5.3	82
W592094		135.5	<0.002	0.29	9.47	11.0	<1	1.6	255	0.60	<0.05	13.90	0.264	1.69	5.1	76
W592095		80.0	<0.002	0.01	5.20	11.6	1	1.7	280	0.67	<0.05	13.90	0.270	1.07	3.3	77
W592096		151.0	<0.002	4.65	90.5	7.5	1	7.9	89.7	0.47	0.45	9.79	0.173	2.32	5.1	55
W592097		123.0	<0.002	0.31	30.5	11.1	1	1.6	121.0	0.60	<0.05	12.20	0.258	1.53	4.5	74
W592098		112.0	0.002	0.03	5.18	12.8	1	1.9	241	0.63	<0.05	13.35	0.301	1.18	4.4	90
W592099		140.0	<0.002	0.50	9.26	12.2	1	2.5	142.0	0.66	<0.05	14.50	0.271	1.67	5.6	80
W592100		100.5	0.002	0.01	1.98	11.2	1	1.5	398	0.65	<0.05	12.75	0.267	0.99	3.8	76
W592101		80.0	<0.002	0.03	2.18	11.7	1	1.7	385	0.68	<0.05	12.40	0.273	1.02	4.4	78
W592102		111.0	<0.002	0.01	1.79	12.1	1	1.6	402	0.70	<0.05	12.25	0.278	1.00	4.0	80
W592103		90.0	<0.002	0.11	12.60	11.3	1	1.7	221	0.58	<0.05	11.85	0.259	1.57	4.2	75
W592104		130.0	<0.002	0.60	27.6	8.6	1	2.3	141.0	0.48	<0.05	10.35	0.197	2.11	7.2	59
W592105		142.5	0.002	7.30	100.0	7.4	2	10.4	58.5	0.37	0.61	7.77	0.154	2.01	4.8	52
W592106		100.0	<0.002	0.12	6.61	11.7	1	2.0	215	0.63	<0.05	13.25	0.262	1.86	5.0	75
W592107		80.0	<0.002	0.01	2.67	11.2	1	1.8	357	0.61	<0.05	14.20	0.263	1.05	4.2	75
W592108		118.0	<0.002	0.02	2.73	12.0	1	1.7	395	0.74	<0.05	13.25	0.276	1.19	5.1	80
W592109		133.5	<0.002	0.52	22.4	11.5	1	1.8	296	0.76	<0.05	13.35	0.265	1.60	6.3	79
W592110		187.0	<0.002	2.79	83.7	7.6	1	3.2	112.0	0.46	0.05	7.95	0.181	2.46	7.0	54
W592111		176.5	<0.002	3.05	74.0	6.8	1	3.1	143.0	0.41	<0.05	7.61	0.163	2.22	7.7	49
W592112		157.0	<0.002	2.05	63.8	7.3	<1	2.0	118.0	0.40	<0.05	8.48	0.169	2.16	5.2	55
W592113		112.0	<0.002	0.04	15.25	11.8	1	1.8	130.0	0.77	<0.05	13.15	0.285	1.26	4.1	78
W592114		189.5	<0.002	1.49	19.65	11.1	<1	3.0	139.0	0.58	<0.05	11.75	0.269	2.60	5.4	76
W592115		132.5	<0.002	0.06	4.54	7.4	1	1.9	193.0	0.65	<0.05	16.95	0.182	1.64	5.8	49
W592116		103.5	<0.002	0.03	4.25	11.5	1	1.8	328	0.79	<0.05	12.15	0.276	1.12	4.3	78
W592117		80.0	<0.002	0.24	16.75	11.8	1	1.9	150.5	0.65	<0.05	13.60	0.276	2.12	5.3	79
W592118		74.5	<0.002	0.12	29.4	6.4	<1	1.5	376	0.46	<0.05	7.41	0.224	1.79	5.7	54
W592119		0.7	<0.002	<0.01	0.08	0.2	<1	<0.2	50.9	<0.05	<0.05	0.04	<0.005	<0.02	0.5	2
W592120		85.0	<0.002	0.07	28.3	4.9	1	1.4	228	0.63	<0.05	8.95	0.225	1.63	8.9	48
W592121		80.0	<0.002	0.08	10.25	5.7	1	1.6	215	0.76	<0.05	10.50	0.242	2.19	5.4	49
W592122		122.0	<0.002	0.04	10.10	5.6	1	1.6	220	0.76	<0.05	10.50	0.242	2.10	3.8	48



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17174210

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W592087		2.8	15.8	2660	26.2	0.110
W592088		3.7	17.1	107	31.8	0.020
W592089		1.8	13.4	63	33.2	<0.005
W592090		1.4	16.3	62	28.8	<0.005
W592091		1.2	21.7	63	33.8	<0.005
W592092		0.1	0.7	16	<0.5	<0.005
W592093		0.5	18.0	58	28.5	<0.005
W592094		1.7	16.7	191	28.2	0.010
W592095		1.7	16.0	52	29.2	0.018
W592096		5.0	9.4	5350	24.2	2.19
W592097		3.5	15.5	482	26.9	0.018
W592098		5.6	19.4	78	31.0	<0.005
W592099		2.7	18.6	89	30.0	0.011
W592100		1.6	15.9	66	31.0	<0.005
W592101		2.5	16.5	69	33.7	<0.005
W592102		1.4	17.9	68	34.6	<0.005
W592103		1.6	16.2	73	27.6	0.008
W592104		3.6	14.0	743	24.7	0.041
W592105		6.8	8.2	3140	21.7	1.725
W592106		1.4	15.4	177	30.9	<0.005
W592107		1.1	18.6	66	29.0	<0.005
W592108		1.9	17.9	81	37.3	<0.005
W592109		2.3	16.6	236	33.3	0.031
W592110		5.1	12.5	1160	22.6	0.189
W592111		4.6	12.9	1270	20.8	0.197
W592112		3.3	15.0	1500	20.1	0.418
W592113		5.8	15.7	86	34.8	<0.005
W592114		2.9	15.2	239	26.6	0.195
W592115		1.0	11.2	47	42.3	<0.005
W592116		3.2	16.3	60	35.0	<0.005
W592117		5.4	14.6	108	32.6	<0.005
W592118		2.4	14.0	66	66.8	<0.005
W592119		0.1	0.7	18	<0.5	<0.005
W592120		3.9	12.1	81	85.2	<0.005
W592121		1.9	13.0	99	89.3	<0.005
W592122		1.9	12.9	90	85.6	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17174210

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

CERTIFICATE WH17174214

Project: Klaza

P.O. No.: 17-118

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17174214

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	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
		0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
W592051		1.79				0.65	6.52	25.3	1480	1.20	0.32	3.92	0.18	58.3	6.5	12
W592052		4.80				2.68	6.58	601	220	1.18	1.72	1.00	7.32	42.0	27.6	18
W592053		3.85				1.23	7.69	87.0	1430	1.53	0.99	2.00	5.85	52.6	8.2	16
W592054		4.89				50.0	6.73	441	140	1.28	68.8	1.33	6.75	45.5	8.2	16
W592055		4.47				8.23	7.29	384	250	1.47	3.96	1.50	34.4	47.7	8.8	15
W592056		12.69				0.56	7.60	58.3	2110	2.02	0.75	3.13	0.58	82.0	9.1	28
W592057		5.34				0.55	7.66	53.8	2070	2.10	0.28	3.10	0.56	77.1	9.4	26
W592058		1.82				49.6	3.29	1355	380	1.17	3.54	4.44	49.5	28.6	5.3	10
W592059		4.45				0.59	7.25	49.2	1700	1.48	1.41	2.26	0.32	47.9	8.7	15
W592060		4.15				1.37	6.86	516	990	1.49	0.11	3.14	1.03	49.2	7.4	16
W592061		8.67				0.05	7.30	5.5	2030	1.55	0.08	2.75	0.05	49.9	7.7	16
W592062		6.27				0.05	0.07	1.5	20	0.08	0.04	20.8	0.06	1.11	0.7	1
W592063		4.06				0.07	7.76	5.1	2050	1.28	0.14	2.84	0.07	60.6	7.7	15
W592064		4.96				1.86	6.72	132.5	1670	1.30	0.57	3.25	12.25	52.8	7.7	18
W592065		0.26	120	0.986	1.620	>100	5.31	8090	110	1.00	61.2	1.91	227	34.1	8.9	17
W592066		6.26				1.97	7.00	74.0	1200	1.40	0.17	2.95	0.54	49.8	7.8	17
W592067		8.21				0.88	7.62	10.3	2010	1.55	0.12	2.97	0.83	52.2	8.9	15
W592068		10.06				0.33	7.36	15.8	2140	1.55	0.09	2.78	0.41	48.4	8.3	16
W592069		3.98				8.02	6.00	406	540	1.47	0.32	4.41	22.3	47.8	7.5	10
W592070		6.07				0.03	0.09	0.8	40	0.06	0.03	21.1	0.09	1.60	0.8	<1
W592071		9.64				0.35	7.28	70.6	1620	1.30	0.09	2.23	2.72	48.9	7.1	13
W592072		11.29				0.29	7.13	109.0	1380	1.24	0.12	2.43	0.44	52.4	7.3	15
W592073		6.76				1.85	6.87	235	1030	1.35	0.11	3.44	10.55	54.6	7.9	13
W592074		1.80				33.8	6.09	371	210	1.08	2.78	3.46	52.2	38.5	12.6	12
W592075		5.61				0.18	7.92	14.8	2510	1.58	0.09	2.04	0.19	55.1	8.7	10
W592076		3.02				1.88	7.46	36.9	1890	1.58	0.10	5.22	1.10	57.8	8.7	12
W592077		0.26				40.0	5.83	2560	80	1.09	37.7	1.72	45.9	39.3	17.2	22
W592078		10.31				0.20	7.60	14.3	2170	1.64	0.09	2.77	0.25	51.6	9.3	13
W592079		14.03				0.09	7.45	4.4	2220	1.46	0.07	2.65	0.09	48.4	7.9	14
W592080		6.13				0.15	7.91	12.4	2090	1.55	0.09	2.70	0.41	56.6	8.1	16
W592081		6.71				0.08	7.84	18.3	2250	1.52	0.06	2.80	0.10	58.4	8.0	19
W592082		4.73				0.09	7.68	3.8	2200	1.44	0.11	2.68	0.36	52.1	7.9	14
W592083		2.93				3.68	6.91	334	1120	1.40	0.22	3.14	13.65	49.8	8.8	13
W592084		14.47				0.08	7.80	4.3	2280	1.43	0.12	2.90	0.11	56.5	8.5	18
W592085		<0.02				0.08	7.62	4.1	2260	1.52	0.13	2.95	0.12	61.9	9.1	27
W592086		4.90				0.08	6.74	12.6	1930	1.55	0.15	3.50	0.22	44.0	8.0	17



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174214

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
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
W592051		21.1	53.3	2.61	15.25	0.12	1.0	0.082	3.42	29.5	26.4	0.68	2120	0.85	0.07
W592052		13.30	48.0	4.88	14.80	0.09	0.8	0.203	3.07	21.2	28.0	0.43	2040	10.15	0.04
W592053		20.3	12.4	3.55	16.55	0.10	1.0	0.094	3.10	27.5	47.9	0.65	3170	1.22	0.54
W592054		13.55	858	4.78	14.60	0.10	1.0	0.252	3.31	22.4	7.6	0.52	4080	2.28	0.03
W592055		18.65	141.0	4.20	15.90	0.09	1.1	0.479	2.93	23.4	18.3	0.64	3330	2.97	0.03
W592056		29.5	14.5	3.11	18.60	0.12	4.0	0.044	2.17	40.8	174.5	1.36	1120	2.98	0.04
W592057		29.9	23.3	3.05	18.15	0.12	4.0	0.042	2.13	39.1	148.0	1.37	1140	2.83	0.04
W592058		11.45	143.0	2.87	7.97	0.07	1.2	0.170	1.29	14.9	27.4	1.54	2200	3.27	0.02
W592059		28.7	11.1	3.40	16.90	0.10	1.2	0.046	3.05	23.1	44.7	0.70	1450	0.91	0.18
W592060		20.6	15.1	3.84	14.60	0.09	1.0	0.114	3.06	25.9	63.3	1.14	5050	2.17	0.03
W592061		17.90	3.9	3.34	16.00	0.10	1.1	0.054	2.72	25.4	12.0	0.81	1110	1.19	1.69
W592062		0.21	2.1	0.48	0.22	0.09	<0.1	0.005	0.03	0.5	1.0	13.20	211	0.23	0.01
W592063		11.80	4.1	3.65	16.75	0.13	1.2	0.078	2.87	31.3	14.7	0.86	1120	1.22	1.61
W592064		15.45	12.6	4.64	15.30	0.10	1.2	0.227	3.40	27.3	7.7	1.00	3820	1.78	0.03
W592065		11.50	1290	8.14	12.20	0.07	1.0	4.73	2.31	16.7	26.5	0.63	3100	14.50	0.08
W592066		20.2	10.6	3.39	15.55	0.09	1.2	0.074	3.02	24.6	54.5	0.89	2910	1.98	0.29
W592067		14.60	12.1	3.52	16.95	0.11	1.3	0.058	2.94	25.7	11.6	0.95	1520	1.70	1.66
W592068		14.65	10.8	3.25	16.35	0.11	1.2	0.043	2.75	23.1	11.1	0.82	1220	1.64	1.74
W592069		19.10	69.8	4.43	12.70	0.09	1.0	0.181	2.53	25.2	27.3	1.48	10250	3.30	0.03
W592070		0.56	2.4	0.52	0.28	0.06	<0.1	<0.005	0.04	0.7	1.1	13.30	227	0.12	0.01
W592071		25.5	11.7	3.30	15.65	0.10	1.3	0.079	3.59	23.6	38.7	0.76	2520	4.81	0.35
W592072		21.1	8.6	3.75	15.55	0.10	1.3	0.124	3.21	26.3	20.8	0.86	2830	4.09	0.73
W592073		18.90	24.7	3.84	14.65	0.10	1.3	0.155	3.16	29.0	28.8	0.81	6040	1.41	0.11
W592074		12.45	34.4	5.28	12.95	0.09	1.0	0.624	2.98	20.0	9.7	0.92	8450	1.33	0.03
W592075		15.85	15.6	3.70	16.30	0.10	1.4	0.044	3.02	27.8	29.3	1.00	918	1.03	0.72
W592076		11.55	18.2	3.76	15.25	0.10	1.1	0.085	3.10	30.3	18.7	0.94	2760	1.72	1.03
W592077		10.70	1220	9.48	14.20	0.10	0.9	1.620	2.68	19.0	14.9	0.69	2450	18.20	0.06
W592078		10.00	15.4	3.61	16.55	0.10	1.3	0.054	2.69	24.9	20.5	1.01	961	1.59	1.83
W592079		6.73	5.4	3.10	15.80	0.09	1.4	0.037	2.60	24.4	19.6	0.91	711	2.89	2.27
W592080		7.64	8.4	3.16	16.50	0.11	1.3	0.044	2.77	29.7	20.3	0.87	839	2.10	2.10
W592081		5.35	5.1	3.10	16.85	0.11	1.6	0.038	2.71	30.4	18.6	0.91	754	2.24	2.36
W592082		5.88	4.9	3.09	16.00	0.11	1.4	0.042	2.68	27.4	14.9	0.91	826	1.56	2.16
W592083		18.60	114.0	3.81	15.15	0.11	0.9	0.117	3.40	25.9	24.2	0.95	7230	1.28	0.12
W592084		6.56	6.7	3.36	16.45	0.12	1.0	0.040	2.50	28.9	15.4	1.00	761	1.55	2.34
W592085		7.41	7.1	3.41	16.30	0.13	1.3	0.043	2.53	31.3	15.1	1.02	823	2.25	2.31
W592086		17.00	8.5	3.13	14.90	0.13	1.1	0.041	2.70	19.9	41.0	0.95	1200	1.77	1.04



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH17174214

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
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
W592051		4.8	570	24.8	166.0	<0.002	0.30	14.00	10.2	1	2.1	160.5	0.54	<0.05	11.50
W592052		5.2	480	447	181.0	0.004	4.02	36.5	10.1	1	5.0	55.9	0.49	0.19	9.28
W592053		4.3	590	288	157.5	<0.002	0.78	11.60	11.3	1	3.0	177.0	0.59	0.05	12.45
W592054		3.7	510	627	207	<0.002	3.66	203	10.1	<1	4.4	49.7	0.57	0.20	10.65
W592055		5.0	630	954	165.0	<0.002	2.88	49.4	10.0	<1	6.2	219	0.54	0.13	9.80
W592056		11.1	1540	34.2	110.5	<0.002	0.21	29.1	7.7	1	1.4	653	0.75	<0.05	8.92
W592057		10.8	1460	37.7	110.5	<0.002	0.22	28.1	7.6	1	2.2	706	0.74	<0.05	8.72
W592058		4.5	330	2850	82.5	<0.002	1.57	98.1	3.5	<1	2.8	203	0.29	0.06	4.30
W592059		3.7	650	26.1	125.0	<0.002	0.32	12.90	11.7	1	2.4	150.5	0.69	<0.05	11.80
W592060		4.5	590	103.5	204	<0.002	0.57	34.9	10.8	1	2.0	108.0	0.54	<0.05	11.90
W592061		3.3	610	15.3	129.5	<0.002	0.06	2.76	11.4	1	1.6	324	0.60	<0.05	12.30
W592062		2.2	190	1.7	1.4	<0.002	<0.01	0.19	0.1	<1	<0.2	47.8	<0.05	<0.05	0.08
W592063		5.1	650	15.0	136.5	<0.002	0.12	3.05	11.6	<1	1.9	320	0.65	<0.05	13.15
W592064		3.7	620	466	212	<0.002	1.21	15.40	11.1	1	2.5	65.4	0.62	<0.05	11.10
W592065		13.4	450	>10000	131.0	<0.002	7.07	220	6.8	1	8.3	120.5	0.42	0.44	7.84
W592066		3.6	610	80.2	164.0	<0.002	0.30	20.0	10.8	<1	1.8	126.5	0.60	<0.05	11.70
W592067		4.2	670	230	145.0	<0.002	0.09	4.55	12.7	1	1.9	328	0.68	<0.05	12.45
W592068		3.9	630	38.1	125.0	<0.002	0.12	6.63	11.7	1	1.5	332	0.64	<0.05	12.40
W592069		3.3	470	834	162.5	<0.002	1.22	45.7	8.9	1	2.1	133.0	0.50	<0.05	9.82
W592070		2.6	200	2.5	2.9	<0.002	0.01	0.17	0.2	1	<0.2	52.2	<0.05	<0.05	0.12
W592071		3.1	580	103.5	169.5	<0.002	0.26	13.35	10.2	1	1.9	142.0	0.65	<0.05	12.55
W592072		3.2	590	45.3	170.5	<0.002	0.35	11.40	10.6	<1	1.8	183.5	0.65	<0.05	13.00
W592073		3.1	640	280	207	<0.002	0.96	41.6	10.0	1	2.6	120.0	0.64	<0.05	13.10
W592074		3.1	440	8380	211	<0.002	3.60	81.0	8.5	1	2.8	77.2	0.49	0.05	9.03
W592075		2.8	770	23.7	134.0	<0.002	0.07	12.80	11.2	1	2.0	250	0.72	<0.05	14.50
W592076		3.1	750	173.5	177.0	<0.002	0.50	16.35	11.4	1	2.1	327	0.58	<0.05	11.35
W592077		15.6	460	1750	154.5	<0.002	7.99	111.5	8.2	2	11.0	66.3	0.39	0.77	8.89
W592078		3.3	720	22.5	120.0	<0.002	0.15	7.12	12.2	1	1.8	390	0.65	<0.05	11.80
W592079		3.4	600	18.6	103.0	<0.002	0.01	1.88	11.1	1	1.4	408	0.66	<0.05	13.15
W592080		3.5	610	22.9	121.5	<0.002	0.09	3.52	11.5	<1	1.5	373	0.68	<0.05	14.40
W592081		3.2	610	20.1	111.0	<0.002	0.03	1.59	11.6	1	1.5	413	0.69	<0.05	14.60
W592082		2.9	610	20.2	115.5	<0.002	0.04	1.64	11.5	1	1.4	391	0.64	<0.05	13.00
W592083		3.8	600	799	211	<0.002	1.02	58.2	11.4	1	2.3	107.0	0.55	<0.05	10.75
W592084		3.3	660	17.5	98.0	<0.002	0.01	1.32	12.2	1	1.5	456	0.62	<0.05	12.95
W592085		3.7	670	17.6	104.5	<0.002	0.01	1.47	13.6	1	1.6	412	0.64	<0.05	14.00
W592086		4.0	610	21.8	130.0	<0.002	0.11	5.95	11.0	<1	1.5	243	0.55	<0.05	12.05



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Page: 2 - D
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CERTIFICATE OF ANALYSIS WH17174214

Sample Description	Method Analyte Units LOR	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
W592051		2.61	3.9	69	2.8	20.1	68	28.4	0.019
W592052		2.47	12.7	67	5.8	8.9	678	20.3	0.337
W592053		2.32	4.1	77	2.7	14.7	690	26.3	0.018
W592054		2.69	3.5	68	5.9	10.6	510	23.1	4.04
W592055		2.85	3.7	71	7.7	9.8	4040	34.1	0.251
W592056		2.33	7.1	78	4.5	14.5	115	168.0	0.029
W592057		2.27	5.8	76	5.2	14.1	113	171.0	0.022
W592058		1.59	5.7	30	3.5	7.5	3890	49.3	0.856
W592059		1.97	4.9	81	2.3	16.5	69	34.3	0.011
W592060		2.92	6.5	72	4.5	15.2	199	27.9	0.034
W592061		1.40	3.4	77	1.1	16.8	57	30.8	<0.005
W592062		0.03	0.7	3	0.2	0.7	16	<0.5	<0.005
W592063		1.49	4.2	81	1.4	18.1	60	32.8	<0.005
W592064		2.81	8.3	80	4.6	15.8	1450	30.4	0.018
W592065		2.29	4.8	53	4.2	8.9	>10000	32.4	4.33
W592066		2.26	5.5	76	2.3	16.1	142	31.5	0.007
W592067		1.65	4.1	88	1.7	19.3	155	36.4	<0.005
W592068		1.50	3.2	80	1.1	17.2	109	33.6	<0.005
W592069		2.52	5.9	61	4.3	15.4	2250	28.5	0.169
W592070		0.03	0.6	3	0.1	1.0	21	0.5	<0.005
W592071		2.49	3.9	75	3.5	15.0	282	36.0	0.006
W592072		2.56	4.2	74	3.4	15.9	118	36.2	0.008
W592073		2.70	4.7	71	5.0	16.5	1160	35.3	0.026
W592074		2.80	3.2	59	3.8	12.1	5500	27.7	0.131
W592075		1.45	4.0	89	3.2	15.9	77	37.4	<0.005
W592076		1.99	5.5	85	7.3	21.9	262	31.7	0.024
W592077		2.35	5.3	58	7.3	9.7	3490	25.2	1.725
W592078		1.23	3.1	89	8.2	17.4	98	33.5	<0.005
W592079		0.96	4.1	75	0.4	18.0	59	41.0	<0.005
W592080		1.19	4.3	76	0.9	18.7	113	39.2	<0.005
W592081		0.97	3.9	76	0.4	19.5	61	46.3	<0.005
W592082		1.06	2.8	74	0.5	18.2	89	41.5	<0.005
W592083		2.85	9.4	77	4.1	17.4	1350	24.6	0.055
W592084		0.95	3.0	82	0.5	19.5	61	29.1	<0.005
W592085		1.00	3.5	87	0.5	21.5	65	36.2	<0.005
W592086		1.84	3.9	76	0.9	15.2	74	24.4	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174214

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Pb-OG62	Zn-OG62		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-SEP-2017
Account: ROCKHA

CERTIFICATE WH17174215

Project: Klaza

P.O. No.: 17-122

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174215

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Zn-OG62 Zn %	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	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
W592123		4.45			0.41	7.28	24.4	1330	1.63	0.27	2.70	0.58	71.3	4.5	12	29.6
W592124		4.57			0.79	6.74	96.0	720	1.51	0.30	2.42	1.21	46.1	7.1	8	20.2
W592125		5.31			0.21	6.97	17.8	2010	1.79	0.16	2.18	0.26	44.6	6.5	9	19.80
W592126		6.11			1.94	6.48	425	1510	1.56	0.16	3.06	32.8	42.4	7.2	8	16.90
W592127		<0.02			2.15	6.71	524	1720	1.61	0.16	3.05	36.6	46.6	7.7	9	18.10
W592128		4.88			0.54	6.68	49.1	1160	1.64	0.09	3.22	1.01	46.4	6.6	9	22.3
W592129		6.93			0.18	6.78	13.2	2140	1.55	0.13	3.19	0.28	45.7	7.6	10	17.60
W592130		2.38			5.92	6.16	104.5	1420	1.33	0.75	4.25	2.38	46.1	7.2	7	13.30
W592131		11.51			0.33	7.36	30.1	1870	1.59	0.12	2.65	1.16	49.0	7.8	11	25.1
W592132		0.26			37.5	5.69	2560	160	1.16	36.3	1.64	44.6	37.4	14.9	20	8.86
W592133		4.62			0.71	7.41	99.7	810	1.83	0.13	1.86	2.56	45.5	9.3	10	18.50
W592134		4.49			0.74	7.12	31.6	2000	2.04	0.18	3.24	2.54	61.2	6.0	15	21.2
W592135		2.37			0.46	7.16	45.6	660	2.27	0.17	3.76	0.61	61.5	5.9	14	22.2
W592136		6.91			0.57	7.95	61.3	1830	1.66	0.11	2.73	0.71	80.0	9.1	32	27.1
W592137		4.21			1.10	7.53	321	420	1.33	0.88	1.57	4.77	51.6	23.5	9	13.15
W592138		2.68			8.43	5.28	4010	910	1.00	1.31	1.46	22.9	45.0	30.5	9	8.41
W592139		1.85			1.03	7.91	291	1570	1.66	0.47	2.20	1.21	57.9	8.1	11	12.10
W592140		1.07			0.91	7.73	582	1580	1.58	0.46	2.17	2.98	53.4	8.9	10	12.40
W592141		4.60			0.14	7.92	18.4	2140	1.84	0.07	2.81	0.19	50.1	8.9	13	8.84
W592142		2.54			0.72	7.16	95.8	1700	1.55	0.84	2.73	0.92	51.2	8.6	9	17.30
W592143		5.93			0.01	0.06	0.8	170	0.08	0.03	21.3	0.07	1.07	0.8	1	0.10
W592144		10.52			0.18	7.56	3.9	2250	1.36	0.05	3.10	0.14	47.7	8.8	15	7.21
W592145		9.93			0.11	7.80	3.8	2220	1.61	0.06	3.07	0.10	51.0	8.7	13	7.79
W592146		8.37			0.15	7.40	11.2	2170	1.52	0.07	3.02	0.19	49.7	7.6	13	9.99
W592147		0.26	120	1.645	>100	5.40	8400	170	1.13	62.2	1.93	229	34.0	8.7	17	10.60
W592148		3.93			0.19	7.43	204	2070	1.44	0.10	2.80	0.25	49.0	7.7	12	10.45
W592149		4.44			1.07	7.84	1120	1170	1.47	0.15	1.40	1.23	50.4	7.6	11	14.05
W592150		6.76			0.17	7.68	47.9	2100	1.48	0.05	2.79	0.38	53.4	7.6	12	10.45
W592151		6.52			1.08	7.81	428	1000	1.59	0.16	1.00	12.15	51.0	6.4	10	16.20
W592152		5.80			0.76	7.01	512	1610	1.21	0.11	3.48	1.10	47.0	7.9	9	22.1
W592153		3.51			0.57	7.13	300	1800	1.57	0.05	3.67	0.11	46.7	6.8	8	33.6
W592154		5.95			0.02	0.10	1.7	40	0.05	0.02	20.8	0.07	1.45	0.7	1	0.23
W592155		4.21			0.58	5.42	430	3310	1.07	0.03	7.32	0.21	39.3	5.8	5	15.15
W592156		4.64			0.07	7.24	17.1	1670	1.46	0.03	2.76	0.10	49.9	6.9	9	29.0
W592157		13.26			0.08	7.55	7.0	2120	1.46	0.05	2.90	0.09	46.5	8.3	12	12.40
W592158		11.85			0.05	7.64	3.0	2270	1.39	0.05	2.82	0.07	49.5	7.3	14	11.50



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174215

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
W592123		6.3	2.60	17.60	0.13	2.2	0.030	2.67	36.2	84.2	0.91	1200	1.13	0.07	10.8
W592124		12.5	2.89	14.30	0.12	0.9	0.050	2.74	24.4	30.3	0.93	2060	1.70	0.04	6.3
W592125		8.5	3.06	15.55	0.10	1.0	0.051	2.56	21.0	160.0	0.77	1710	1.58	0.05	7.2
W592126		16.0	3.59	14.10	0.09	0.9	0.090	2.60	22.2	49.1	1.07	4080	4.77	0.04	6.1
W592127		16.8	3.68	14.40	0.09	0.8	0.084	2.73	24.7	51.9	1.06	4400	4.20	0.04	6.3
W592128		7.7	2.91	16.20	0.10	1.1	0.051	2.63	22.0	50.0	0.81	2010	0.87	0.07	7.5
W592129		11.7	3.06	15.70	0.09	1.1	0.037	2.60	21.3	31.8	0.66	1100	1.53	0.62	8.0
W592130		558	5.02	12.70	0.10	0.9	0.483	2.74	23.9	22.1	1.32	10700	1.17	0.04	5.7
W592131		8.9	3.13	16.10	0.10	1.1	0.039	2.74	23.4	29.4	0.75	870	0.87	0.94	7.6
W592132		1175	9.16	13.60	0.08	0.8	1.490	2.66	17.8	14.7	0.67	2300	16.80	0.06	4.4
W592133		17.8	3.55	16.40	0.08	1.2	0.064	2.91	21.0	81.3	0.71	3140	1.20	0.05	7.6
W592134		12.5	2.47	17.45	0.11	3.0	0.036	2.23	31.1	73.3	1.19	1200	1.32	0.04	9.2
W592135		16.1	2.47	17.60	0.12	3.0	0.032	2.21	31.6	68.8	1.06	1420	1.51	0.04	9.2
W592136		29.4	3.60	19.60	0.13	3.9	0.040	2.54	39.5	65.7	1.38	1120	1.52	0.04	11.6
W592137		12.3	4.88	15.90	0.10	1.0	0.127	3.27	26.6	16.4	0.64	3710	0.89	0.03	6.9
W592138		40.9	10.75	12.00	0.06	0.8	0.816	2.47	21.6	10.7	0.71	24000	0.87	0.02	4.9
W592139		12.3	3.71	16.60	0.09	1.1	0.081	3.23	30.0	19.3	0.69	3240	0.90	1.15	7.9
W592140		14.3	4.10	16.20	0.08	1.2	0.099	3.16	28.2	28.8	0.68	2630	1.33	1.15	7.4
W592141		8.7	3.46	16.90	0.17	1.2	0.046	2.71	24.7	15.0	0.76	1380	1.21	2.15	7.9
W592142		8.0	4.65	16.80	0.09	1.0	0.076	3.09	26.5	17.2	0.60	9370	1.36	0.66	7.7
W592143		2.2	0.51	0.23	0.19	<0.1	0.006	0.02	0.5	0.8	13.35	216	0.12	0.01	0.1
W592144		9.0	3.26	16.50	0.21	1.2	0.036	2.57	23.2	16.6	0.91	810	0.97	1.97	7.8
W592145		9.6	3.29	17.05	0.21	1.2	0.039	2.61	25.2	15.5	0.87	757	0.72	2.19	8.0
W592146		11.6	3.37	16.50	0.09	1.0	0.061	2.83	24.9	12.6	0.80	1350	0.73	1.80	7.5
W592147		1275	8.23	12.90	0.08	0.9	4.66	2.31	15.2	27.4	0.63	3110	15.15	0.08	5.2
W592148		11.0	3.48	16.00	0.10	1.0	0.060	2.89	24.8	21.1	0.76	1740	1.04	1.61	7.2
W592149		34.1	4.18	16.30	0.09	1.0	0.159	3.46	27.3	21.6	0.41	5140	1.44	0.35	7.1
W592150		10.0	3.54	16.75	0.10	1.0	0.060	2.97	26.9	14.3	0.77	1680	0.97	1.78	7.7
W592151		59.8	4.97	16.30	0.08	1.0	0.228	3.66	26.7	16.0	0.46	5640	1.16	0.03	7.1
W592152		8.7	3.90	15.35	0.09	1.0	0.071	2.96	24.1	35.9	0.81	2520	1.57	0.26	7.1
W592153		5.7	3.47	14.70	0.09	0.9	0.051	2.98	24.0	94.8	1.24	2160	5.06	0.24	6.8
W592154		2.4	0.50	0.29	0.18	<0.1	<0.005	0.03	0.7	0.9	13.05	197	0.14	0.01	0.2
W592155		4.0	3.96	11.40	0.06	0.8	0.025	1.64	21.1	381	2.29	3610	1.70	0.02	5.2
W592156		9.0	2.81	16.75	0.12	1.2	0.040	2.73	24.0	119.0	0.70	693	0.93	0.94	7.8
W592157		6.7	3.21	16.10	0.23	1.2	0.049	2.69	22.2	15.0	0.89	869	0.97	2.16	7.5
W592158		6.2	3.08	16.60	0.10	1.1	0.037	2.66	25.7	17.1	0.82	672	2.01	2.27	7.3



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174215

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005
W592123		900	56.1	100.5	<0.002	0.10	10.40	5.6	1	1.6	256	0.72	<0.05	9.45	0.254
W592124		540	84.1	149.0	<0.002	0.25	15.65	9.3	1	2.0	110.5	0.49	<0.05	10.45	0.237
W592125		650	19.1	96.2	<0.002	0.14	14.90	10.2	1	1.7	154.5	0.56	<0.05	10.60	0.270
W592126		540	533	140.0	0.002	0.82	21.2	9.1	<1	2.1	116.5	0.49	<0.05	9.64	0.224
W592127		560	595	143.0	<0.002	0.88	22.1	9.3	1	2.3	121.5	0.48	<0.05	10.30	0.237
W592128		630	62.6	103.5	<0.002	0.24	9.97	10.8	1	1.9	142.0	0.60	<0.05	11.35	0.273
W592129		720	20.3	93.1	<0.002	0.08	8.86	10.2	<1	1.7	225	0.63	<0.05	10.95	0.287
W592130		500	186.5	161.5	<0.002	1.05	45.1	8.0	1	2.7	119.5	0.47	<0.05	9.53	0.209
W592131		640	85.6	109.0	<0.002	0.12	6.47	10.5	<1	1.7	244	0.60	<0.05	11.95	0.275
W592132		460	1670	141.0	0.002	7.83	108.0	7.3	2	10.6	61.1	0.36	0.69	8.17	0.163
W592133		700	181.5	121.5	<0.002	0.70	14.25	11.2	<1	2.1	109.0	0.65	<0.05	10.65	0.302
W592134		1040	92.3	131.5	<0.002	0.23	31.7	6.4	<1	1.4	527	0.63	<0.05	8.48	0.284
W592135		1040	64.2	124.0	<0.002	0.16	19.20	6.1	1	2.1	361	0.62	<0.05	8.44	0.287
W592136		1900	31.9	93.5	<0.002	0.17	29.8	7.6	1	1.4	1950	0.73	<0.05	7.86	0.458
W592137		610	169.5	175.5	<0.002	3.61	17.10	9.9	1	3.0	96.9	0.51	0.25	10.80	0.261
W592138		420	983	160.5	<0.002	5.01	52.0	7.0	1	3.2	107.0	0.37	0.57	6.98	0.180
W592139		640	107.0	155.5	<0.002	1.47	13.20	10.7	1	2.7	248	0.69	<0.05	13.00	0.276
W592140		640	211	148.5	<0.002	1.82	13.20	10.1	1	2.8	256	0.63	<0.05	12.80	0.274
W592141		660	21.6	117.0	<0.002	0.11	2.50	11.9	<1	1.6	372	0.66	<0.05	13.45	0.284
W592142		610	55.2	157.0	<0.002	1.17	7.87	10.7	<1	2.2	150.5	0.60	<0.05	12.40	0.262
W592143		210	2.2	0.9	<0.002	<0.01	0.10	0.2	1	<0.2	50.2	<0.05	<0.05	0.09	<0.005
W592144		650	20.3	99.8	<0.002	0.02	2.14	11.5	1	1.7	357	0.63	<0.05	12.40	0.285
W592145		640	18.8	106.5	<0.002	0.01	2.65	11.4	1	1.8	386	0.69	<0.05	13.00	0.285
W592146		640	22.6	125.0	<0.002	0.08	3.90	11.0	1	1.6	335	0.57	<0.05	11.35	0.280
W592147		470	9910	132.5	0.003	7.12	223	6.6	<1	8.7	119.5	0.40	0.51	7.59	0.180
W592148		620	22.7	129.5	<0.002	0.31	6.12	10.6	1	1.7	307	0.56	<0.05	11.25	0.271
W592149		640	65.6	236	<0.002	0.43	33.3	10.5	<1	3.3	97.5	0.57	<0.05	12.10	0.271
W592150		660	27.3	132.5	<0.002	0.23	5.01	11.0	1	1.8	332	0.58	<0.05	11.45	0.280
W592151		690	104.5	251	<0.002	0.58	26.6	11.2	<1	3.3	51.3	0.56	<0.05	11.75	0.273
W592152		580	61.8	146.5	<0.002	0.91	18.45	10.0	<1	2.0	123.0	0.55	<0.05	11.40	0.258
W592153		580	19.8	150.5	<0.002	0.45	17.85	9.6	1	1.3	153.5	0.53	<0.05	10.75	0.250
W592154		200	2.0	1.5	<0.002	<0.01	0.13	0.2	1	<0.2	47.4	<0.05	<0.05	0.19	<0.005
W592155		410	13.1	88.6	<0.002	0.18	22.3	7.3	<1	1.0	123.5	0.44	<0.05	9.14	0.180
W592156		610	15.8	115.0	<0.002	0.08	9.08	10.2	1	1.9	220	0.68	<0.05	13.25	0.265
W592157		630	18.4	108.0	<0.002	0.04	1.88	10.3	1	1.5	365	0.67	<0.05	11.80	0.278
W592158		640	14.6	102.5	<0.002	0.01	1.34	10.5	1	1.4	399	0.62	<0.05	11.60	0.275



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174215

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	Au-AA24 Au ppm 0.005
W592123		6.0	52	1.9	13.6	97	83.9	<0.005
W592124		6.5	71	2.6	13.7	134	25.4	0.010
W592125		3.4	75	2.9	13.4	81	26.2	<0.005
W592126		6.9	70	2.8	12.9	2180	23.0	0.060
W592127		6.2	73	3.0	13.1	2500	22.8	0.075
W592128		4.4	78	2.4	15.0	111	28.1	0.009
W592129		5.0	76	4.1	15.2	67	29.2	<0.005
W592130		3.9	60	3.6	25.1	267	22.6	0.018
W592131		5.1	77	1.8	14.9	169	29.0	<0.005
W592132		5.1	56	6.7	8.4	3370	20.5	1.625
W592133		7.6	96	4.4	13.5	340	28.5	0.029
W592134		9.2	64	2.0	13.7	222	127.5	0.009
W592135		10.4	63	1.7	13.8	88	127.0	<0.005
W592136		3.9	90	4.8	12.9	144	183.5	<0.005
W592137		9.7	76	3.8	11.3	361	26.6	0.091
W592138		3.0	52	4.1	14.2	2230	22.0	1.495
W592139		5.1	80	2.4	15.8	145	29.9	0.043
W592140		4.7	78	2.3	14.7	276	28.5	0.203
W592141		1.7	80	2.7	17.1	86	28.5	0.008
W592142		3.2	74	3.5	15.2	129	25.4	0.454
W592143		0.6	2	0.1	0.8	18	<0.5	<0.005
W592144		1.8	80	3.7	17.0	72	26.9	<0.005
W592145		2.0	80	2.1	17.3	65	28.0	<0.005
W592146		2.0	79	1.9	15.8	80	25.7	<0.005
W592147		4.8	53	4.3	8.5	>10000	30.0	4.26
W592148		2.0	77	2.1	15.4	83	24.7	0.014
W592149		3.5	78	6.5	13.5	231	25.4	0.058
W592150		1.9	79	1.8	15.7	104	24.3	0.006
W592151		3.5	78	7.5	12.2	1040	23.8	0.043
W592152		2.6	74	2.8	14.8	197	24.4	0.072
W592153		3.3	70	3.9	13.9	61	22.7	0.026
W592154		0.6	3	0.1	0.9	18	<0.5	<0.005
W592155		4.9	53	6.0	14.3	72	20.3	0.033
W592156		3.5	74	3.2	15.2	55	28.2	<0.005
W592157		3.2	78	2.1	15.8	63	29.0	<0.005
W592158		2.1	76	1.5	15.6	57	27.7	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17174215

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18-SEP-2017
Account: ROCKHA

CERTIFICATE WH17174218

Project: Klaza

P.O. No.: TR-3

This report is for 36 Rock samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

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

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174218

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
V340372		7.35	2.30	8.48	23.0	2170	1.09	4.70	0.16	0.21	80.8	1.2	16	14.35	172.0	4.16
V340373		7.87	1.68	8.02	15.0	2300	1.06	1.99	0.32	0.27	57.5	1.2	16	22.5	217	4.26
V340374		7.93	2.23	8.10	28.9	2070	0.92	3.96	0.27	0.27	58.8	0.9	17	27.5	221	4.55
V340375		9.55	2.36	7.68	16.7	1620	1.15	5.26	0.19	0.20	49.9	0.5	16	28.0	149.0	3.68
V340376		11.84	1.61	8.18	15.1	1910	1.01	2.03	0.49	0.18	56.8	0.6	16	24.8	254	3.35
V340377		11.24	1.50	7.98	15.0	2170	1.18	3.45	0.87	0.18	65.2	0.8	17	16.85	323	4.69
V340378		8.53	1.39	8.02	10.3	2560	1.21	4.03	0.74	0.22	56.1	2.2	15	19.85	301	4.36
V340379		8.85	2.07	7.89	14.8	2130	1.20	2.20	0.91	0.24	68.2	2.6	18	24.2	376	5.13
V340380		6.15	2.59	8.13	20.7	2220	0.88	2.30	0.78	0.33	72.1	0.9	18	24.2	369	5.53
V340381		5.76	1.72	8.69	12.9	2120	1.05	1.77	0.68	0.25	75.4	0.9	24	20.9	271	4.88
V340382		10.30	2.05	8.81	15.8	1980	1.00	3.43	0.20	0.13	41.4	0.8	18	16.85	150.0	3.98
V340383		6.03	0.01	0.14	0.3	50	0.06	0.06	21.8	0.06	1.27	0.9	1	1.55	2.9	0.53
V340384		11.65	1.83	9.58	36.9	1990	0.73	3.58	0.09	0.11	27.7	0.5	19	10.85	94.7	3.48
V340385		12.20	3.22	8.05	72.1	1040	1.08	12.85	0.14	0.14	50.7	1.4	17	16.60	257	4.76
V340386		9.28	1.43	8.21	8.6	2190	1.10	1.13	0.55	0.15	59.9	3.4	17	27.3	432	5.19
V340387		9.66	1.31	8.69	13.6	2620	1.16	2.41	0.68	0.11	61.1	3.9	17	33.4	318	4.77
V340388		12.90	2.10	8.45	67.0	1920	1.11	14.10	0.11	0.10	74.1	5.0	20	14.45	195.0	5.11
V340389		7.29	2.12	9.57	103.0	1760	1.22	4.35	0.06	0.10	46.3	4.4	20	11.35	318	4.86
V340390		6.57	2.57	8.78	129.5	1870	1.13	3.68	0.06	0.12	56.1	3.3	18	11.25	283	5.77
V340391		9.91	2.09	8.93	42.6	1790	1.19	6.17	0.20	0.11	70.1	2.7	19	16.40	338	5.77
V340392		0.26	43.3	6.05	2670	70	1.04	37.6	1.70	46.4	37.2	17.1	23	10.20	1240	9.59
V340393		14.10	2.02	9.02	29.9	2600	1.06	4.19	0.35	0.11	42.9	4.6	20	11.50	383	4.75
V340394		12.85	2.05	9.30	46.8	2160	1.34	4.60	0.12	0.14	48.5	5.2	27	11.50	505	5.13
V340395		7.05	1.87	9.24	104.5	1290	1.13	3.50	0.07	0.15	55.7	18.4	20	12.70	952	5.58
V340396		7.33	1.95	8.81	107.5	1410	1.15	3.90	0.06	0.11	49.1	6.4	21	9.44	490	4.55
V340397		8.27	2.23	7.90	52.5	1940	0.93	3.83	0.08	0.11	55.7	1.7	14	13.30	258	4.16
V340398		13.90	4.42	6.91	51.1	1300	1.06	7.90	0.20	0.11	66.6	2.1	14	22.2	354	5.22
V340399		4.35	1.14	7.72	17.8	1810	1.25	2.06	1.15	0.16	58.6	1.8	18	21.1	386	4.01
V340400		10.10	2.52	7.25	53.6	1530	0.98	7.90	0.09	0.08	35.9	1.5	17	16.45	197.5	4.58
V340456		8.90	2.53	6.06	31.8	1090	0.89	7.72	0.34	0.09	33.5	2.6	17	22.8	229	4.61
V340457		7.71	2.81	7.29	20.7	1710	0.96	5.92	0.38	0.16	46.6	2.3	18	17.95	364	4.79
V340458		6.87	3.13	7.82	35.7	2160	1.13	11.60	0.14	0.13	45.2	1.6	19	12.80	246	4.01
V340459		6.52	3.72	7.77	79.2	1490	1.46	29.5	0.06	0.10	52.2	0.5	18	10.15	86.4	3.02
V340460		13.02	3.01	8.12	69.5	1530	2.03	31.3	0.11	0.48	47.5	4.6	20	9.81	374	4.05
V340461		15.90	2.59	8.78	72.5	1640	1.08	6.12	0.07	0.12	69.8	4.7	23	17.75	312	4.69
V340462		9.61	3.44	8.21	55.4	1630	1.18	4.20	0.15	0.15	54.0	7.0	20	21.7	422	5.16



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17174218

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
		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
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V340372		18.20	0.15	0.6	0.365	3.19	43.2	27.4	0.90	130	21.7	0.17	4.3	4.2	1190
V340373		18.20	0.15	0.6	0.209	3.26	28.8	24.8	1.42	216	46.0	0.87	4.3	3.2	1340
V340374		19.90	0.17	0.5	0.280	3.32	28.9	27.1	1.42	174	34.3	0.84	4.3	2.5	1340
V340375		17.95	0.12	0.5	0.300	3.17	26.8	20.4	1.05	124	23.9	0.42	3.4	1.8	890
V340376		19.90	0.14	0.5	0.208	3.43	29.9	22.4	1.43	212	35.7	0.98	4.2	3.8	910
V340377		17.85	0.12	0.5	0.174	2.92	34.3	18.8	1.57	270	17.10	1.32	4.2	4.0	1240
V340378		18.10	0.14	0.5	0.122	3.82	30.2	18.4	1.52	245	12.60	1.13	4.3	4.2	990
V340379		19.15	0.13	0.5	0.248	2.78	36.6	22.2	1.74	325	12.60	1.05	4.1	4.3	1200
V340380		19.80	0.15	0.6	0.288	2.83	37.2	22.1	1.81	346	11.20	0.86	4.0	4.1	1650
V340381		21.0	0.13	0.7	0.183	3.01	38.4	21.6	2.01	302	18.10	0.75	4.6	3.8	1420
V340382		19.20	0.10	0.6	0.216	2.82	19.3	31.5	0.54	73	27.9	0.19	3.8	5.1	1080
V340383		0.47	0.14	<0.1	<0.005	0.07	0.6	1.5	13.50	220	0.20	0.01	0.3	1.9	190
V340384		20.5	0.14	0.5	0.173	3.41	11.5	18.0	0.35	40	53.8	0.10	3.5	3.0	820
V340385		18.50	0.12	0.5	0.172	2.60	28.7	25.5	0.41	56	55.7	0.08	3.1	2.0	920
V340386		16.95	0.13	0.5	0.119	3.27	33.7	17.6	1.58	216	16.75	1.06	3.4	4.8	1250
V340387		18.15	0.14	0.5	0.139	2.70	33.7	21.0	1.73	274	53.2	0.93	4.4	4.8	1210
V340388		19.45	0.10	1.2	0.193	3.18	41.4	24.7	0.66	106	51.5	0.13	3.5	2.2	1120
V340389		20.1	0.09	0.5	0.171	2.50	23.3	26.5	0.37	161	143.5	0.07	2.6	3.1	1230
V340390		18.80	0.13	0.5	0.205	3.12	31.5	19.6	0.41	142	35.0	0.08	2.5	2.1	1530
V340391		19.25	0.13	0.5	0.188	3.22	37.5	20.6	0.89	149	23.2	0.47	3.5	2.5	1280
V340392		14.50	0.09	0.9	1.690	2.73	19.0	13.9	0.70	2390	18.30	0.06	4.6	14.9	470
V340393		18.80	0.11	0.5	0.164	3.38	26.6	14.5	0.85	152	16.25	0.62	3.3	4.5	990
V340394		18.75	0.10	0.5	0.191	2.99	26.3	19.6	0.62	133	20.3	0.22	3.3	4.7	1340
V340395		17.70	0.11	0.6	0.217	2.59	32.5	26.1	0.40	288	35.7	0.07	3.4	10.0	1120
V340396		17.65	0.10	0.6	0.182	2.44	25.7	32.4	0.21	81	36.2	0.08	3.2	8.0	1340
V340397		18.05	0.10	0.6	0.245	3.90	31.9	21.0	0.61	86	17.00	0.16	3.7	2.9	890
V340398		15.85	0.10	0.6	0.460	3.27	35.9	20.9	0.94	154	55.5	0.44	3.2	3.6	1070
V340399		16.80	0.12	0.5	0.259	2.90	31.0	23.6	1.51	383	137.5	1.43	4.0	3.9	1140
V340400		18.05	0.10	0.6	0.254	3.95	18.3	17.1	0.87	99	58.5	0.34	3.9	1.9	720
V340456		14.40	0.09	0.5	0.254	2.77	16.7	19.6	1.36	202	764	0.84	3.3	2.5	890
V340457		17.80	0.11	0.5	0.325	3.15	23.8	23.6	1.61	231	184.0	0.71	3.7	2.7	1160
V340458		19.40	0.11	0.6	0.329	3.93	22.2	24.5	1.18	131	77.3	0.31	3.8	2.4	1050
V340459		20.3	0.09	2.6	0.284	3.75	31.7	10.5	0.53	72	27.3	0.07	4.7	0.7	1030
V340460		20.9	0.14	3.1	0.345	3.30	29.0	14.5	0.46	145	4.95	0.08	4.6	4.2	960
V340461		21.2	0.15	0.6	0.506	2.59	43.6	32.2	0.29	119	26.3	0.07	4.2	3.5	1160
V340462		20.9	0.16	0.5	0.471	2.74	27.2	27.9	0.85	280	18.90	0.27	3.4	4.4	990



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174218

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V340372		138.5	0.002	1.01	5.74	15.8	7	10.3	157.5	0.29	0.54	11.25	0.270	2.55	2.2	143
V340373		131.0	0.002	0.96	5.70	16.5	5	6.6	346	0.31	0.33	12.30	0.283	2.72	2.2	139
V340374		141.5	0.002	1.26	9.78	16.4	4	6.7	415	0.28	0.64	13.00	0.273	3.03	2.1	140
V340375		154.5	0.002	1.12	5.04	17.3	4	13.6	185.0	0.24	0.74	11.15	0.219	2.70	1.9	136
V340376		150.5	0.004	0.76	1.93	16.8	4	17.7	368	0.29	0.39	10.20	0.271	2.66	2.9	139
V340377		129.5	0.002	1.00	1.52	17.2	3	5.5	459	0.27	0.32	13.00	0.285	2.35	4.0	142
V340378		151.0	<0.002	1.05	1.31	15.6	3	7.0	426	0.31	0.30	12.75	0.273	2.64	3.6	135
V340379		121.0	<0.002	1.14	2.52	18.5	3	4.9	517	0.28	0.34	13.60	0.273	2.39	4.1	148
V340380		128.0	<0.002	1.31	4.43	19.4	5	7.0	466	0.29	0.38	12.95	0.292	2.59	4.4	161
V340381		140.0	<0.002	1.11	6.03	20.2	5	8.2	416	0.34	0.29	12.30	0.307	2.67	4.8	165
V340382		129.5	0.002	1.26	18.95	15.3	5	7.0	218	0.30	0.45	12.70	0.259	2.31	2.8	146
V340383		5.4	<0.002	<0.01	0.08	0.2	1	0.2	53.2	<0.05	<0.05	0.45	<0.005	0.04	1.9	3
V340384		144.0	0.002	1.13	26.9	14.9	5	13.7	164.0	0.25	0.43	10.50	0.256	2.38	2.0	155
V340385		144.0	<0.002	1.29	123.5	14.7	7	10.3	116.5	0.20	0.68	10.80	0.220	2.43	2.3	141
V340386		146.0	0.002	1.04	4.32	18.0	4	5.9	337	0.24	0.10	10.60	0.271	2.65	2.0	145
V340387		122.5	0.006	0.71	7.32	17.7	6	6.6	369	0.30	0.17	10.70	0.300	2.51	2.6	145
V340388		157.5	0.006	1.34	36.3	15.6	5	8.2	154.0	0.25	0.82	12.35	0.230	3.09	2.4	136
V340389		118.0	0.005	0.96	82.4	18.9	6	6.6	93.0	0.18	0.29	11.00	0.238	2.55	2.7	164
V340390		136.0	0.005	1.48	55.0	18.0	8	8.9	112.0	0.17	0.35	15.20	0.209	2.92	2.0	148
V340391		144.0	0.003	1.30	28.0	17.6	6	10.0	237	0.24	1.10	12.20	0.253	2.92	2.0	152
V340392		149.0	0.003	8.13	110.5	8.4	2	11.6	64.7	0.39	0.80	8.77	0.172	2.31	5.3	58
V340393		132.5	0.003	0.64	6.95	16.4	7	7.8	251	0.26	0.63	10.30	0.237	2.78	1.9	141
V340394		126.0	0.002	1.05	24.5	18.8	5	7.8	153.5	0.24	0.57	9.61	0.257	2.54	3.2	155
V340395		121.5	0.004	0.64	68.6	18.9	4	8.0	120.0	0.27	0.49	12.45	0.254	2.11	4.2	159
V340396		95.4	<0.002	0.71	61.2	14.9	4	7.0	146.0	0.26	0.47	12.60	0.244	1.85	3.2	155
V340397		164.5	0.002	1.16	32.2	14.6	5	10.3	160.0	0.30	0.70	14.85	0.228	3.18	2.2	125
V340398		144.0	0.004	1.40	5.25	14.4	7	10.8	241	0.24	1.59	14.95	0.207	2.98	2.1	123
V340399		125.5	0.061	0.84	2.07	15.5	4	5.7	508	0.29	0.39	11.85	0.262	2.94	3.1	130
V340400		187.0	0.006	1.50	3.15	15.6	9	13.6	181.0	0.29	0.95	11.35	0.232	3.68	1.6	129
V340456		124.5	0.463	1.22	2.02	13.0	7	7.4	339	0.27	2.42	9.03	0.223	2.87	1.7	112
V340457		142.5	0.039	1.28	2.33	16.4	5	9.8	303	0.26	0.79	10.40	0.265	3.20	1.8	137
V340458		179.0	0.007	1.16	3.37	18.5	5	11.8	188.5	0.28	1.01	10.50	0.254	3.86	1.7	146
V340459		189.0	0.002	0.85	11.55	9.3	2	8.3	45.3	0.35	1.56	6.67	0.184	3.86	2.3	81
V340460		183.0	<0.002	0.82	12.30	9.1	2	4.1	48.2	0.33	2.00	9.96	0.147	3.58	4.0	68
V340461		130.5	0.003	0.99	59.9	18.5	3	10.2	119.5	0.28	0.80	11.40	0.287	2.70	3.6	167
V340462		142.0	0.003	1.04	37.5	19.5	4	11.3	178.0	0.23	0.71	9.10	0.251	2.69	3.0	162



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 18-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17174218

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
V340372		10.3	5.3	67	11.6	0.051
V340373		7.6	7.4	91	10.6	0.043
V340374		6.1	7.0	68	9.7	0.041
V340375		8.8	6.6	51	10.1	0.055
V340376		6.9	8.3	73	10.1	0.058
V340377		4.2	11.2	77	9.6	0.052
V340378		5.7	8.2	85	10.4	0.052
V340379		3.7	12.7	108	9.9	0.053
V340380		6.4	11.6	103	10.2	0.074
V340381		6.4	10.6	89	12.2	0.056
V340382		13.0	5.9	26	11.9	0.084
V340383		0.1	0.8	19	<0.5	<0.005
V340384		14.7	3.8	16	10.4	0.069
V340385		12.9	3.3	31	9.3	0.050
V340386		9.5	9.8	82	9.5	0.063
V340387		8.0	11.3	80	10.1	0.042
V340388		6.0	7.6	58	39.1	0.050
V340389		6.2	7.4	74	9.1	0.057
V340390		7.3	6.2	69	9.4	0.073
V340391		6.3	7.8	52	10.0	0.058
V340392		8.1	9.1	3510	23.6	1.765
V340393		5.7	7.5	68	10.6	0.070
V340394		8.0	8.5	80	10.2	0.073
V340395		9.5	11.3	219	12.9	0.074
V340396		10.4	7.1	88	13.2	0.082
V340397		8.6	4.3	44	11.3	0.074
V340398		7.0	6.0	62	12.5	0.144
V340399		5.0	14.8	102	11.1	0.039
V340400		8.3	5.6	42	12.9	0.078
V340456		6.3	6.0	75	10.2	0.076
V340457		6.0	8.6	87	10.3	0.081
V340458		7.8	5.0	61	13.4	0.081
V340459		5.3	4.9	30	98.4	0.059
V340460		2.7	8.6	96	122.5	0.049
V340461		21.3	6.7	106	12.6	0.067
V340462		10.4	7.8	120	11.0	0.119

Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-AA24 ME-MS61
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

CERTIFICATE WH17174219

Project: Klaza

P.O. No.: 17-120

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174219

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	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
		0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
W589662		9.01				0.16	7.27	24.4	1590	1.49	1.29	1.33	0.34	53.4	5.5	17
W589663		3.95				0.10	7.46	15.5	1810	1.46	1.31	2.01	0.19	51.1	6.4	11
W589664		4.75				0.98	6.85	113.5	1120	1.53	0.72	1.98	2.47	47.3	6.7	11
W589665		2.53				0.54	6.60	33.2	2030	1.51	0.47	3.16	0.47	50.8	6.8	10
W589666		0.26	117	0.957	1.615	>100	5.36	7580	130	1.22	61.5	1.88	227	33.2	9.2	18
W589667		9.50				0.49	7.15	65.7	2090	1.49	0.49	2.59	0.24	48.0	6.9	17
W589668		2.42				0.18	6.56	25.4	2100	1.37	0.81	2.34	0.14	46.0	6.5	11
W589669		6.62				0.08	7.18	8.8	2130	1.64	0.52	2.46	0.08	53.6	7.3	16
W589670		3.75				0.07	7.12	8.1	2140	1.61	0.62	2.47	0.08	53.0	7.1	13
W589671		2.59				0.43	7.32	7.2	2310	1.56	2.11	2.35	0.07	53.1	6.8	12
W589672		5.12				0.38	7.03	181.0	1600	1.77	0.41	1.59	0.55	49.6	24.2	10
W589673		<0.02				0.41	7.18	175.5	1590	1.64	0.41	1.71	0.54	54.7	21.7	9
W589674		4.93				42.4	7.03	403	1350	1.53	0.32	1.94	22.1	45.0	16.6	8
W589675		2.68				9.98	6.30	2850	340	1.79	1.08	1.10	29.0	44.9	3.2	7
W589676		3.78				5.74	6.96	624	480	1.06	0.94	0.14	2.30	40.6	28.8	14
W589677		6.05				0.03	0.07	1.3	40	0.09	0.05	21.4	0.07	1.17	0.8	1
W589678		2.53				0.50	7.15	157.0	1480	1.59	0.29	1.46	63.0	47.7	13.8	8
W589679		3.32				0.09	7.44	50.7	2110	1.55	0.25	1.81	0.55	47.9	6.5	8
W589680		7.68				2.07	6.73	430	980	1.58	0.21	2.45	4.98	47.4	6.9	7
W589681		2.58				1.77	7.37	304	740	2.16	1.06	2.35	1.65	54.3	15.7	9
W589682		4.77				0.12	7.42	24.9	2290	1.44	0.19	1.73	0.25	46.8	7.0	10
W589683		0.26				25.9	5.86	3410	1270	1.39	19.70	2.13	76.7	41.3	11.1	20
W589684		2.82				0.12	7.12	34.9	2330	1.57	0.22	1.89	0.31	46.2	4.9	9
W589685		3.19				0.51	6.79	648	2230	1.38	0.31	2.47	0.88	48.7	4.6	12
W589686		7.43				0.23	7.35	25.8	2370	1.66	0.29	2.50	0.55	51.4	7.1	13
W589687		8.69				0.09	7.25	9.8	2260	1.70	0.27	2.46	0.10	49.0	6.4	13
W589688		2.14				3.40	5.82	2580	700	1.36	0.26	4.75	0.65	43.0	6.4	6
W589689		5.95				0.01	0.07	2.2	30	0.07	0.19	22.0	0.06	1.17	0.8	1
W589690		4.37				0.42	7.29	26.3	1880	1.75	0.33	2.11	0.20	51.0	8.7	9
W589691		4.17				0.12	8.18	13.2	1650	1.23	0.24	0.97	0.63	47.1	9.2	9
W589692		2.92				12.10	6.84	108.5	1230	1.65	0.38	3.23	13.00	48.7	9.2	8
W589693		5.74				0.18	8.01	16.2	2040	1.31	0.27	1.49	0.33	59.8	7.2	10
W589694		9.64				0.16	7.78	9.8	2350	1.75	0.21	2.48	0.50	56.2	8.4	14
W589695		9.63				1.59	7.70	108.5	2350	1.70	0.19	2.32	3.14	55.3	8.8	11
W589696		6.72				0.18	7.81	14.8	2350	1.63	0.27	1.83	20.1	53.0	9.1	10
W589697		5.34				0.79	7.40	405	2270	1.56	0.57	2.04	6.08	51.9	24.8	9



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17174219

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
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
W589662		26.4	10.3	2.70	17.35	0.20	1.4	0.073	2.95	28.8	172.5	0.51	959	1.32	0.39
W589663		18.10	12.0	2.77	17.55	0.19	1.3	0.059	2.66	27.4	58.9	0.72	1360	1.31	0.29
W589664		15.15	7.7	2.64	16.90	0.17	1.3	0.057	3.00	24.7	64.4	0.69	3100	2.65	0.06
W589665		25.0	28.1	3.06	16.35	0.19	1.1	0.046	2.61	27.2	107.0	1.02	2050	0.69	0.49
W589666		11.40	1280	8.06	13.35	0.11	1.0	4.55	2.27	16.9	30.6	0.62	3060	15.40	0.08
W589667		17.00	23.1	2.96	17.10	0.20	1.2	0.057	2.64	25.2	25.4	0.76	846	0.81	2.00
W589668		13.30	9.2	3.08	16.05	0.18	1.0	0.149	3.13	24.3	20.5	0.71	1000	1.03	1.04
W589669		8.84	22.7	3.02	16.75	0.23	1.2	0.051	2.41	28.7	14.2	0.86	567	0.87	2.43
W589670		8.95	20.1	2.95	17.35	0.24	1.2	0.046	2.43	28.0	14.7	0.82	555	1.36	2.44
W589671		7.43	232	3.04	17.10	0.22	1.1	0.093	2.73	30.3	13.4	0.78	641	3.15	2.17
W589672		14.50	11.5	3.33	16.95	0.20	1.2	0.127	3.80	27.1	11.2	0.36	3850	2.20	0.53
W589673		15.00	10.1	3.33	17.75	0.21	1.2	0.136	3.84	29.7	11.3	0.37	3720	1.75	0.53
W589674		11.45	63.9	3.20	17.85	0.19	1.2	0.060	2.51	22.0	59.4	0.59	5200	1.74	0.51
W589675		21.7	58.4	5.18	15.80	0.11	1.2	0.176	2.35	25.3	47.0	0.21	1160	58.4	0.03
W589676		7.01	22.8	6.33	17.90	0.14	1.4	0.451	3.10	21.6	13.0	0.31	284	7.72	0.08
W589677		0.18	2.0	0.52	0.29	0.12	<0.1	<0.005	0.03	0.6	1.5	13.55	217	0.20	0.01
W589678		19.40	10.2	3.56	16.95	0.18	1.3	0.079	3.43	24.2	72.6	0.41	6940	1.68	0.08
W589679		31.7	7.3	3.00	17.95	0.17	1.3	0.072	3.40	25.3	144.5	0.53	1160	1.35	1.01
W589680		18.25	97.2	3.00	16.80	0.15	1.3	0.075	3.44	25.0	22.3	0.68	5410	1.24	0.10
W589681		18.00	8.5	3.40	18.10	0.16	1.4	0.141	3.54	30.8	14.8	0.73	8130	1.58	0.03
W589682		18.50	10.8	2.90	17.55	0.16	1.4	0.055	3.42	24.9	41.2	0.57	1160	1.16	0.98
W589683		14.30	435	6.51	14.70	0.15	1.0	1.690	2.61	22.5	22.7	0.89	1820	12.55	0.04
W589684		18.95	6.1	2.84	17.20	0.15	1.4	0.065	3.36	24.3	26.4	0.52	941	1.54	1.51
W589685		13.65	10.9	3.36	16.70	0.16	1.1	0.081	3.77	27.2	19.1	0.76	9400	1.22	0.58
W589686		19.20	8.3	3.10	18.00	0.16	1.3	0.076	3.35	26.7	11.8	0.67	1780	0.93	2.05
W589687		22.2	23.2	3.09	18.10	0.17	1.3	0.072	3.07	25.4	21.8	0.70	845	0.98	2.02
W589688		16.20	18.7	3.37	13.75	0.17	1.1	0.061	2.68	24.2	89.1	1.62	5950	1.18	0.08
W589689		0.20	4.7	0.53	0.27	0.15	<0.1	0.005	0.03	0.6	1.5	13.85	230	0.08	0.01
W589690		23.2	99.5	2.98	17.95	0.21	1.6	0.069	2.93	26.4	110.0	0.61	1020	1.19	1.19
W589691		14.85	13.6	2.59	19.25	0.17	1.6	0.048	2.83	23.3	53.2	0.17	943	4.27	0.11
W589692		17.30	44.7	3.13	16.90	0.16	1.3	0.050	3.37	26.7	23.9	0.75	2530	1.60	0.10
W589693		13.20	18.2	2.63	18.95	0.18	1.8	0.046	3.28	33.7	21.0	0.39	640	2.63	1.14
W589694		12.15	13.5	3.19	18.75	0.18	1.5	0.060	3.00	30.5	15.8	0.75	793	1.98	2.32
W589695		13.65	14.5	3.21	18.25	0.15	1.5	0.053	3.14	30.4	14.8	0.65	1210	2.01	1.78
W589696		33.2	26.7	3.13	18.50	0.16	1.4	0.053	3.09	28.8	21.5	0.44	1160	2.15	1.32
W589697		18.45	30.7	3.08	18.05	0.15	1.3	0.050	3.54	28.3	17.1	0.55	2540	3.57	0.99



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174219

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
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
															0.005
W589662		2.7	600	15.9	132.0	<0.002	0.06	27.7	10.4	1	4.2	131.0	0.70	<0.05	14.80
W589663		2.2	610	15.5	90.0	<0.002	0.12	21.4	10.5	1	3.8	149.5	0.68	<0.05	12.60
W589664		2.2	560	104.5	110.0	<0.002	0.32	24.5	10.0	1	3.4	132.5	0.63	<0.05	12.45
W589665		2.6	580	42.2	90.0	<0.002	0.15	28.8	10.7	1	3.0	156.5	0.57	<0.05	11.00
W589666		14.3	460	10000	134.5	<0.002	7.03	219	6.9	1	8.7	119.5	0.41	0.49	7.83
W589667		2.4	640	23.4	112.5	<0.002	0.15	7.59	11.1	1	2.9	321	0.63	<0.05	12.00
W589668		2.0	540	14.8	145.5	<0.002	0.20	6.20	9.7	1	3.2	192.5	0.58	<0.05	11.85
W589669		2.6	640	14.9	102.0	<0.002	0.03	1.50	10.9	1	2.8	368	0.65	<0.05	13.05
W589670		2.4	630	14.6	99.6	<0.002	0.02	1.45	11.3	1	2.8	374	0.67	<0.05	13.60
W589671		2.4	580	14.7	117.5	<0.002	0.05	1.97	10.5	1	2.5	336	0.63	<0.05	13.25
W589672		2.6	550	40.6	204	<0.002	0.46	16.10	10.3	1	2.4	114.5	0.59	0.05	12.90
W589673		2.7	580	37.0	208	<0.002	0.54	16.20	10.7	1	2.4	114.0	0.61	<0.05	13.55
W589674		3.4	580	1630	80.0	<0.002	0.19	63.7	10.1	1	3.3	176.0	0.63	<0.05	11.05
W589675		2.9	600	694	140.0	<0.002	1.61	101.5	9.8	<1	5.5	151.0	0.48	<0.05	12.85
W589676		2.7	440	609	184.0	0.002	3.55	42.5	12.2	<1	5.3	46.4	0.46	0.15	10.50
W589677		1.6	200	2.9	1.4	<0.002	<0.01	0.14	0.2	<1	<0.2	52.2	<0.05	<0.05	0.09
W589678		3.2	600	119.0	159.0	<0.002	0.66	27.1	11.0	1	2.0	116.0	0.60	<0.05	13.35
W589679		2.5	600	12.2	146.0	<0.002	0.02	22.8	11.2	1	1.9	179.0	0.63	<0.05	13.55
W589680		2.4	550	385	183.0	<0.002	1.20	70.8	10.6	1	2.0	91.5	0.58	<0.05	13.45
W589681		4.1	610	75.4	195.0	<0.002	1.93	25.6	11.5	1	2.3	86.7	0.61	0.13	13.85
W589682		2.7	580	17.3	137.5	<0.002	0.05	21.1	11.1	1	2.3	180.5	0.63	<0.05	13.50
W589683		16.0	440	2830	150.0	0.002	4.73	95.2	8.1	1	8.2	90.3	0.44	0.46	10.10
W589684		2.6	570	20.4	136.0	<0.002	0.07	12.85	10.7	<1	1.9	236	0.62	<0.05	13.50
W589685		2.5	530	42.3	186.5	<0.002	1.26	32.9	9.8	1	2.1	140.0	0.59	<0.05	12.75
W589686		3.1	630	29.2	138.5	<0.002	0.12	8.62	11.7	1	2.2	312	0.64	<0.05	14.10
W589687		2.8	620	15.7	123.0	<0.002	0.03	7.45	11.3	1	2.0	299	0.65	<0.05	13.70
W589688		2.3	440	45.8	127.0	0.002	0.83	65.6	8.9	1	2.3	102.0	0.49	<0.05	11.05
W589689		1.6	180	1.2	1.1	<0.002	<0.01	0.11	0.3	1	<0.2	54.0	<0.05	<0.05	0.11
W589690		2.6	630	16.4	120.0	<0.002	0.07	35.6	11.9	1	2.2	233	0.71	<0.05	13.90
W589691		2.7	660	14.7	122.5	<0.002	0.03	20.4	12.0	1	3.3	71.0	0.74	<0.05	15.55
W589692		2.8	540	3230	166.0	<0.002	0.37	40.1	10.4	1	2.4	80.3	0.58	<0.05	13.05
W589693		2.3	570	24.5	141.5	<0.002	0.03	7.28	11.2	1	3.0	175.0	0.80	<0.05	19.00
W589694		3.0	610	24.2	130.0	<0.002	0.04	2.66	11.8	1	2.6	365	0.71	<0.05	15.60
W589695		2.7	600	81.2	140.0	<0.002	0.28	8.32	11.7	1	2.7	299	0.65	<0.05	15.05
W589696		3.2	630	22.5	137.0	<0.002	0.03	20.3	11.7	1	3.0	213	0.67	<0.05	15.15
W589697		3.2	600	46.2	154.0	<0.002	0.58	21.7	11.3	1	2.8	217	0.65	<0.05	13.95
															0.253



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174219

Sample Description	Method Analyte Units LOR	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
W589662		1.76	4.9	69	5.2	14.8	74	42.7	<0.005
W589663		1.97	9.3	69	5.1	16.5	57	35.3	<0.005
W589664		2.54	6.7	68	6.5	13.7	298	37.6	0.006
W589665		1.68	6.1	71	3.0	17.2	77	28.3	<0.005
W589666		2.22	5.0	52	4.4	8.5	>10000	31.4	4.49
W589667		1.24	4.2	75	2.2	16.6	55	31.1	0.023
W589668		1.85	5.5	64	3.6	14.0	45	25.5	<0.005
W589669		1.02	4.4	77	2.5	18.3	40	30.4	<0.005
W589670		1.00	4.2	74	1.9	18.9	39	32.5	<0.005
W589671		1.17	4.1	68	4.8	16.8	44	29.8	0.057
W589672		2.88	7.1	69	4.8	15.3	111	31.3	0.033
W589673		3.04	7.0	71	5.0	16.1	107	31.3	0.033
W589674		1.60	4.0	69	2.1	18.5	3240	32.5	0.016
W589675		2.76	20.6	65	11.4	9.0	1060	30.8	0.895
W589676		3.30	9.7	88	46.3	5.0	542	39.0	0.229
W589677		0.02	0.5	2	0.1	0.8	20	<0.5	<0.005
W589678		2.95	8.7	66	5.7	14.9	2120	32.2	0.016
W589679		2.23	3.4	68	4.2	15.6	180	33.0	<0.005
W589680		3.22	4.0	64	5.2	15.3	588	32.8	0.042
W589681		3.65	5.2	70	4.7	17.4	370	38.8	0.097
W589682		1.94	2.6	71	1.8	15.5	117	32.6	<0.005
W589683		2.48	5.0	56	5.4	9.2	5420	25.6	2.31
W589684		1.92	3.2	67	1.2	14.5	138	32.8	<0.005
W589685		2.88	4.8	62	2.3	13.9	236	27.9	0.289
W589686		1.92	3.7	72	1.5	16.7	132	32.5	<0.005
W589687		1.66	3.3	71	1.3	16.6	53	31.7	0.005
W589688		2.14	6.9	57	3.1	14.7	94	25.1	2.98
W589689		<0.02	0.5	2	0.1	0.8	18	<0.5	<0.005
W589690		1.58	4.7	77	2.7	17.5	61	35.8	0.006
W589691		1.55	3.7	69	12.0	15.3	99	39.5	<0.005
W589692		2.85	4.9	68	5.3	16.7	1810	33.7	0.019
W589693		1.57	3.1	66	4.4	18.4	91	44.4	<0.005
W589694		1.51	3.4	72	2.9	18.5	95	36.5	<0.005
W589695		1.81	3.0	70	5.2	17.8	313	37.1	0.011
W589696		1.77	2.7	72	3.3	17.9	1060	37.5	<0.005
W589697		2.64	2.7	70	4.4	16.6	811	31.7	0.099



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174219

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Pb-OG62	Zn-OG62		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

CERTIFICATE WH17174221

Project: Klaza

P.O. No.: 17-119

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174221

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Pb-OG62 Pb %	Zn-OG62 Zn %	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
		0.02	1	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1
W589626		6.73				7.32	7.28	983	930	1.71	1.17	2.61	23.1	51.5	7.6	9
W589627		7.34				0.57	6.90	289	1540	1.73	1.01	1.72	0.34	36.1	5.8	9
W589628		5.26				1.65	7.08	241	2040	1.59	0.70	2.32	3.74	44.0	6.5	9
W589629		1.27				0.09	7.69	11.1	2370	1.71	0.25	2.99	0.10	50.5	6.8	10
W589630		0.79				0.08	7.74	9.0	2350	1.73	0.25	3.00	0.10	49.8	6.4	10
W589631		2.85				9.63	7.58	326	2450	1.55	0.30	2.24	3.77	49.1	7.3	9
W589632		6.98				0.08	8.03	9.0	2600	1.66	0.52	2.68	0.10	54.1	8.6	12
W589633		1.79				6.25	6.80	59.6	1830	1.35	0.48	2.18	1.11	40.0	6.4	9
W589634		<0.02				4.50	6.67	63.0	1800	1.39	0.60	2.00	1.39	37.5	6.4	9
W589635		5.17				0.20	7.48	42.7	2250	1.59	0.83	2.36	0.27	47.2	6.4	10
W589636		9.62				0.18	7.62	18.1	2310	1.56	1.49	2.64	0.11	48.3	6.2	11
W589637		5.17				0.13	7.19	12.6	2250	1.54	1.90	2.69	0.08	45.5	6.5	10
W589638		0.26				26.9	5.95	3480	1030	1.40	19.00	2.18	78.0	40.7	10.8	19
W589639		2.02				0.31	6.81	14.3	1950	1.58	2.06	2.92	0.12	42.5	5.5	9
W589640		3.51				0.15	7.46	8.4	2310	1.66	2.62	2.73	0.16	47.0	7.0	11
W589641		5.14				0.18	7.57	9.9	2290	1.69	2.26	2.44	0.13	54.2	5.9	10
W589642		3.37				0.08	7.43	10.4	2060	1.68	1.91	2.58	0.08	46.3	4.6	11
W589643		2.75				0.11	9.48	41.1	710	2.77	1.45	1.54	0.09	33.3	10.0	9
W589644		0.26	122	1.005	1.660	>100	5.50	8640	100	1.18	63.6	1.96	234	33.3	9.3	19
W589645		8.15				0.14	7.16	15.0	2220	1.37	1.03	2.18	0.19	44.6	6.1	9
W589646		4.16				0.09	7.40	15.7	2030	1.77	1.08	2.83	0.06	52.0	4.4	9
W589647		7.69				0.10	7.48	7.8	2260	1.73	0.78	2.53	0.09	53.1	5.7	11
W589648		3.40				0.14	6.73	18.6	5330	1.44	0.65	7.01	0.12	50.0	3.4	8
W589649		6.02				0.01	0.05	<0.2	1330	0.07	0.04	20.7	0.06	1.10	0.6	1
W589650		2.70				0.11	7.17	12.9	2010	1.52	0.83	2.78	0.11	44.6	4.2	7
W589651		4.57				6.55	8.77	863	830	1.87	2.38	1.43	3.53	33.1	27.2	9
W589652		3.43				0.13	8.66	23.3	1780	1.44	0.81	1.03	0.17	63.5	3.5	7
W589653		2.69				0.68	7.38	89.6	1470	2.08	0.57	2.67	0.12	49.9	8.4	7
W589654		3.63				0.15	7.26	21.9	1980	1.42	0.70	2.13	0.22	46.8	4.3	8
W589655		6.65				0.16	7.95	57.9	2260	1.70	0.78	2.58	0.18	52.5	6.4	9
W589656		2.54				0.06	7.65	13.1	2130	1.53	0.49	2.29	0.15	49.4	6.1	9
W589657		1.98				0.78	6.40	304	1190	1.68	0.48	2.41	0.31	45.5	6.7	7
W589658		5.99				<0.01	0.06	0.3	50	0.06	0.05	21.7	0.08	1.19	0.7	<1
W589659		6.65				0.20	7.31	12.5	2200	1.31	0.68	2.38	0.09	49.0	6.0	10
W589660		10.28				0.16	7.69	18.5	2160	1.63	1.00	2.67	0.10	51.1	5.7	13
W589661		10.19				0.20	7.90	9.7	2340	1.65	0.74	2.44	0.28	55.3	6.5	12



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17174221

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
		Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	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
W589626		14.90	21.9	3.12	16.35	0.16	1.5	0.060	2.69	29.0	59.9	0.84	2080	2.11	0.10
W589627		22.4	13.4	2.78	16.85	0.13	1.8	0.044	2.85	16.0	98.5	0.50	2720	0.94	0.05
W589628		27.6	12.0	3.01	16.25	0.16	1.6	0.042	3.29	21.1	50.0	0.66	1520	0.85	0.59
W589629		14.50	6.5	2.94	17.70	0.18	1.4	0.064	2.56	25.9	14.6	0.76	566	0.94	2.63
W589630		12.20	8.2	2.88	17.20	0.18	1.4	0.061	2.61	26.3	12.5	0.77	563	1.08	2.63
W589631		16.35	29.6	3.30	16.85	0.17	1.3	0.055	3.21	24.7	24.9	0.53	3960	5.67	1.15
W589632		10.55	15.6	3.24	17.50	0.21	1.4	0.053	2.80	29.4	18.3	0.94	593	2.76	2.49
W589633		18.45	32.8	3.31	16.45	0.16	1.4	0.084	3.21	18.1	43.3	0.49	2550	6.15	0.47
W589634		18.55	32.1	3.28	16.30	0.15	1.2	0.080	3.13	17.4	42.9	0.49	2500	3.75	0.49
W589635		15.15	11.6	3.27	16.90	0.16	1.4	0.058	2.96	23.2	13.9	0.62	1320	3.45	1.57
W589636		11.35	31.4	3.22	16.95	0.18	1.3	0.066	2.87	25.2	15.7	0.83	719	2.87	2.16
W589637		11.85	41.1	3.03	16.50	0.17	1.3	0.063	2.81	22.6	13.3	0.70	651	3.30	2.12
W589638		14.05	447	6.61	14.25	0.14	1.0	1.735	2.60	20.5	22.8	0.91	1880	13.10	0.04
W589639		15.55	48.2	3.06	16.10	0.17	1.4	0.073	3.02	19.9	16.5	0.59	1520	2.44	1.43
W589640		11.45	12.5	3.18	17.00	0.18	1.4	0.050	2.78	24.2	14.2	0.72	853	3.03	2.25
W589641		14.35	22.4	3.05	17.10	0.18	1.4	0.062	2.91	27.0	16.6	0.60	633	3.91	2.04
W589642		12.75	31.1	3.66	17.00	0.16	1.3	0.115	2.76	21.4	16.5	0.62	763	5.92	1.94
W589643		33.0	4.3	5.65	21.8	0.18	1.6	0.228	1.84	15.5	34.1	0.38	1220	2.87	2.35
W589644		11.40	1340	8.33	13.35	0.12	1.1	4.82	2.35	14.4	30.4	0.64	3190	15.45	0.08
W589645		11.50	5.9	3.43	17.65	0.16	1.7	0.125	3.09	18.9	28.6	0.55	905	26.6	0.27
W589646		12.90	3.0	4.14	17.65	0.16	1.9	0.099	2.03	26.4	22.7	0.90	786	1.59	1.77
W589647		8.77	7.8	3.19	16.80	0.19	1.5	0.067	2.86	26.0	11.3	0.74	593	2.58	2.29
W589648		14.15	5.6	3.00	15.15	0.22	1.3	0.114	2.70	24.8	19.5	0.56	1040	3.66	1.10
W589649		0.12	1.5	0.48	0.23	0.20	<0.1	<0.005	0.02	0.5	0.9	12.95	207	0.13	<0.01
W589650		10.15	2.6	3.71	15.70	0.21	1.4	0.100	2.97	19.3	13.0	0.48	916	1.19	1.74
W589651		16.30	14.4	8.75	21.0	0.15	1.4	0.362	2.81	16.4	19.0	0.47	2180	2.59	1.58
W589652		14.10	30.4	3.65	18.55	0.18	1.7	0.150	2.74	32.0	21.5	0.45	919	0.55	1.24
W589653		27.4	7.0	2.68	16.35	0.21	1.3	0.058	2.98	23.4	48.0	0.75	3720	2.19	0.39
W589654		18.65	4.2	2.76	16.65	0.17	1.4	0.085	3.29	20.7	47.2	0.59	1300	7.17	0.89
W589655		22.6	16.5	3.23	18.35	0.19	1.5	0.069	3.19	23.3	38.1	0.77	874	2.81	1.45
W589656		20.1	3.6	2.85	18.10	0.18	1.5	0.053	2.96	22.2	71.9	0.59	853	1.85	1.45
W589657		20.2	7.2	2.85	14.80	0.17	1.1	0.048	3.21	22.9	40.2	0.70	4150	1.53	0.06
W589658		0.29	2.7	0.51	0.26	0.21	<0.1	<0.005	0.02	0.5	1.1	13.75	218	0.10	0.01
W589659		15.10	54.5	3.11	16.85	0.20	1.4	0.063	3.04	23.1	23.2	0.71	747	2.91	1.41
W589660		15.30	14.9	3.03	17.05	0.19	1.5	0.064	2.66	24.4	12.8	0.73	1120	1.58	2.44
W589661		16.75	40.5	3.22	17.15	0.21	1.5	0.075	3.28	27.2	11.8	0.72	885	1.46	2.07



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17174221

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
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
W589626		2.7	570	537	129.5	<0.002	1.36	53.7	9.9	1	4.4	166.0	0.64	<0.05	13.40
W589627		2.2	590	22.4	103.5	<0.002	0.64	51.6	9.4	1	2.1	166.0	0.80	<0.05	11.25
W589628		2.3	580	193.5	132.5	<0.002	0.41	26.4	9.8	<1	2.4	185.5	0.63	<0.05	12.55
W589629		2.7	660	16.2	101.5	<0.002	0.01	4.91	11.6	1	4.7	395	0.62	<0.05	12.50
W589630		2.7	670	16.5	104.0	<0.002	0.01	4.41	11.5	1	4.6	394	0.65	<0.05	12.65
W589631		2.6	650	378	147.5	<0.002	0.50	42.9	11.2	1	3.8	207	0.59	<0.05	12.00
W589632		2.8	670	16.6	114.0	<0.002	0.01	1.33	11.5	1	3.3	438	0.66	<0.05	12.50
W589633		2.7	600	150.0	127.0	<0.002	0.51	37.9	10.8	1	3.3	130.5	0.58	<0.05	10.75
W589634		2.7	600	135.5	124.0	<0.002	0.49	37.4	10.8	1	3.4	124.5	0.57	<0.05	10.15
W589635		2.5	650	17.4	124.0	<0.002	0.09	8.55	11.5	1	3.5	246	0.63	<0.05	12.40
W589636		2.7	620	16.0	121.5	<0.002	0.04	3.08	10.8	1	2.8	363	0.64	<0.05	12.25
W589637		2.4	600	15.7	118.0	<0.002	0.03	2.85	10.4	1	2.9	334	0.61	<0.05	11.55
W589638		15.9	450	2890	151.5	<0.002	4.82	93.9	7.8	1	7.9	91.9	0.47	0.75	9.57
W589639		2.4	580	17.6	126.5	<0.002	0.06	5.75	10.0	<1	3.0	248	0.64	<0.05	11.90
W589640		2.7	630	21.7	117.5	<0.002	<0.01	2.40	11.1	1	3.1	357	0.64	<0.05	12.35
W589641		4.2	630	19.8	129.5	<0.002	0.01	5.47	10.6	1	4.5	325	0.63	<0.05	14.05
W589642		2.5	630	13.7	120.0	<0.002	0.01	8.25	10.8	<1	10.5	280	0.62	<0.05	12.80
W589643		3.0	740	13.0	107.5	<0.002	0.11	23.9	11.5	<1	41.6	136.0	0.76	<0.05	16.05
W589644		13.9	470	>10000	129.0	0.002	7.26	227	7.1	1	8.9	123.0	0.43	0.58	8.48
W589645		2.3	580	18.0	117.0	0.002	0.05	14.00	10.1	<1	5.9	91.7	0.71	<0.05	13.25
W589646		2.4	620	15.0	101.5	<0.002	0.06	16.65	10.4	1	24.0	210	0.73	<0.05	14.60
W589647		2.5	630	17.5	118.0	<0.002	0.01	3.64	10.9	<1	4.9	338	0.68	<0.05	15.05
W589648		2.1	600	18.2	123.5	<0.002	0.10	10.40	9.8	<1	5.9	284	0.60	<0.05	13.25
W589649		1.4	180	1.6	0.8	<0.002	0.03	0.05	0.1	<1	<0.2	78.2	<0.05	<0.05	0.11
W589650		2.2	590	13.4	125.0	<0.002	0.05	7.57	9.1	<1	7.5	183.0	0.64	<0.05	14.35
W589651		3.0	590	149.0	153.0	<0.002	1.62	48.2	9.7	<1	21.3	153.0	0.73	0.18	15.30
W589652		2.1	800	16.5	120.0	<0.002	0.05	28.2	12.4	<1	8.5	98.5	0.74	<0.05	15.20
W589653		2.5	590	21.7	131.0	<0.002	0.78	21.1	10.2	<1	11.4	170.5	0.62	<0.05	12.70
W589654		2.1	630	18.2	126.0	<0.002	0.15	14.45	10.2	<1	6.3	188.0	0.63	<0.05	13.00
W589655		2.6	670	25.8	130.0	<0.002	0.08	15.30	11.3	<1	5.3	226	0.71	<0.05	14.40
W589656		2.3	640	17.4	112.5	<0.002	0.02	13.30	11.3	1	4.3	253	0.71	<0.05	13.35
W589657		2.5	480	75.7	145.5	<0.002	1.59	39.4	8.7	<1	3.1	87.1	0.53	<0.05	11.45
W589658		1.4	200	1.8	1.4	<0.002	<0.01	0.08	0.2	<1	<0.2	53.1	<0.05	<0.05	0.09
W589659		2.3	600	16.4	113.5	<0.002	0.03	14.90	9.9	<1	4.1	253	0.64	<0.05	13.80
W589660		2.4	620	18.1	109.0	<0.002	0.07	6.20	9.7	<1	7.8	348	0.65	0.06	13.70
W589661		2.6	610	26.4	135.5	<0.002	0.03	7.17	10.0	<1	4.7	312	0.71	<0.05	14.80



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17174221

Sample Description	Method Analyte Units LOR	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
W589626		2.11	6.1	67	7.4	14.7	1460	40.3	0.352
W589627		2.23	3.5	68	5.5	12.4	81	46.2	0.173
W589628		2.06	4.4	68	2.9	14.0	305	42.1	0.066
W589629		1.20	3.3	77	0.9	17.1	48	37.4	<0.005
W589630		1.25	3.1	76	1.0	17.4	50	36.4	<0.005
W589631		2.12	3.1	78	2.3	16.3	499	35.2	0.109
W589632		1.29	2.8	78	1.1	17.9	44	35.2	<0.005
W589633		2.10	4.0	75	2.5	14.5	120	33.2	0.013
W589634		2.04	3.8	74	2.5	13.8	137	30.9	0.013
W589635		1.74	2.4	80	5.3	16.6	55	33.8	<0.005
W589636		1.45	3.9	73	2.4	16.2	46	33.6	<0.005
W589637		1.34	2.3	70	2.9	15.5	43	33.1	<0.005
W589638		2.41	4.9	57	5.4	9.3	5430	25.8	2.23
W589639		1.83	3.0	69	3.9	14.8	49	34.3	<0.005
W589640		1.34	2.1	73	2.1	16.8	47	35.0	<0.005
W589641		1.63	3.7	72	2.1	16.9	51	38.2	<0.005
W589642		1.60	3.1	74	6.4	15.8	50	33.7	<0.005
W589643		3.25	8.5	92	5.5	15.8	64	45.1	0.005
W589644		2.34	5.1	54	4.7	8.9	>10000	33.1	4.48
W589645		1.96	4.1	71	4.8	15.0	60	43.1	0.006
W589646		1.22	3.9	79	12.9	16.9	60	54.6	<0.005
W589647		1.34	3.6	74	2.7	17.7	46	38.4	<0.005
W589648		1.72	5.8	69	3.0	16.2	51	34.8	0.008
W589649		<0.02	0.7	2	0.1	0.8	18	<0.5	1.755
W589650		1.75	5.2	67	4.1	13.7	63	36.9	<0.005
W589651		2.60	11.4	86	9.3	12.3	611	38.8	0.241
W589652		1.57	6.7	88	6.7	17.9	61	43.2	0.005
W589653		2.39	7.9	68	3.9	15.8	32	33.9	0.100
W589654		1.87	3.2	72	2.5	15.3	50	38.0	<0.005
W589655		1.76	3.6	79	2.3	17.4	51	41.0	0.034
W589656		1.49	3.0	75	1.8	16.6	45	39.5	<0.005
W589657		2.53	7.2	60	4.0	13.2	34	29.7	0.263
W589658		<0.02	0.7	2	<0.1	0.8	19	<0.5	<0.005
W589659		1.58	3.6	75	4.6	16.0	48	34.9	<0.005
W589660		1.30	3.7	70	8.0	16.0	41	39.2	0.007
W589661		1.64	4.1	71	3.7	17.0	55	38.0	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20-SEP-2017
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CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Pb-OG62	Zn-OG62		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
This copy reported on
4-SEP-2017
Account: ROCKHA

CERTIFICATE WH17176938

Project: ROCKHA_WH17150480

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS

To: **ROCKHAVEN 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-analysis results for samples originally reported on certificate WH17150480**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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To: ROCKHAVEN RESOURCES LTD.
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Page: 2 - A
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Project: ROCKHA_WH17150480

CERTIFICATE OF ANALYSIS WH17176938

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
W588055		0.32	7.69	27.6	1420	1.46	0.21	2.19	1.94	45.7	6.1	12	21.3	17.8	2.64
W588056		0.16	7.53	17.6	1940	1.59	0.18	2.87	0.36	50.0	6.7	11	19.65	8.9	2.94
W588057		0.28	6.96	29.7	2050	1.54	0.13	3.16	1.91	41.2	5.9	10	22.6	10.0	2.79
W588058		0.73	7.46	44.4	1310	1.53	0.14	2.61	5.68	46.8	7.0	11	26.5	15.0	2.85
W588059		11.55	6.79	1645	1230	1.31	12.25	1.91	31.6	46.4	17.3	19	13.15	291	6.75
W588060		5.92	7.24	1015	620	1.54	1.94	1.07	91.8	49.7	5.5	9	18.50	69.1	5.55
W588061		0.38	6.92	42.2	1900	1.38	0.32	2.47	5.52	42.4	5.2	10	12.70	54.8	2.58
W588062		0.62	6.91	37.6	2160	1.52	0.51	2.91	2.79	40.8	5.0	11	14.00	7.0	2.93
W588063		0.39	6.44	19.9	1210	1.22	0.35	9.44	2.69	56.5	3.8	9	8.91	3.8	1.88
W588064		0.07	6.74	12.9	1620	1.32	0.17	3.34	0.24	25.6	3.1	11	11.60	4.2	1.67
W588065		0.07	6.76	14.1	1630	1.41	0.18	3.32	0.24	25.9	3.2	11	11.75	4.8	1.82
W588066		0.13	7.35	12.3	2190	1.42	0.28	2.03	0.18	65.1	5.2	11	6.76	3.1	1.81
W588067		4.00	7.27	123.5	1390	1.54	1.34	2.16	36.3	39.8	9.1	10	17.10	47.0	3.94
W588068		0.01	0.07	<0.2	30	0.06	0.05	21.9	0.10	1.21	0.8	<1	0.15	1.0	0.47
W588069		1.47	7.37	26.0	2260	1.51	1.29	2.75	9.92	38.4	6.7	9	22.6	31.0	3.02
W588070		4.90	7.16	1140	2130	1.59	0.50	2.38	15.60	41.7	7.1	12	15.25	43.3	3.47
W588071		0.10	7.23	13.5	2080	1.29	0.15	1.74	0.15	40.6	6.2	17	22.8	6.6	3.13
W588072		3.46	6.96	2180	1600	1.56	0.71	2.29	1.89	45.0	10.4	13	16.55	35.3	3.63
W588073		4.38	7.26	779	710	1.47	3.27	2.19	10.75	53.1	12.5	27	13.05	333	5.38
W588074		0.20	7.85	13.4	2350	1.58	0.16	2.67	0.45	53.9	7.0	13	15.45	15.1	3.35
W588075		2.73	6.40	167.5	1070	1.30	1.32	1.68	32.4	54.5	6.2	13	10.75	63.8	3.85
W588076		0.10	7.74	9.7	2380	1.54	0.16	2.66	0.36	50.2	7.3	16	16.45	9.7	3.39
W588077		0.83	7.75	37.9	2680	1.39	0.84	1.22	5.35	47.2	6.0	11	17.90	28.9	3.63
W588078		1.33	7.78	51.0	2460	1.31	1.72	0.92	13.00	53.1	6.2	10	19.55	39.0	3.78
W588079		1.65	6.88	680	410	1.64	1.05	1.73	2.02	51.4	11.6	15	18.90	50.3	4.78
W588080		0.08	7.49	10.5	2130	1.39	0.13	1.36	0.16	46.4	6.9	12	30.7	7.6	3.13
W588081		3.50	6.13	728	1090	1.50	1.33	0.51	55.7	42.2	10.4	15	19.00	54.9	5.07
W588082		0.28	7.19	23.7	1410	1.37	0.13	1.59	0.43	43.6	6.4	13	19.80	28.7	2.95
W588083		0.19	7.14	21.2	2120	1.58	0.15	2.32	0.72	48.6	6.1	19	23.0	19.7	3.27
W588084		7.91	6.30	940	1050	1.24	4.01	0.78	17.30	36.1	9.9	15	8.84	61.8	5.19
W588085		0.02	0.08	<0.2	20	0.05	0.06	20.6	0.08	1.32	0.8	<1	0.19	2.9	0.47
W588086		0.94	7.26	44.5	1330	1.54	0.15	2.32	0.27	49.8	6.8	14	26.8	9.5	3.00
W588087		0.68	7.29	61.7	1680	1.61	0.27	1.80	2.25	48.5	6.8	13	23.0	7.3	3.86
W588088		0.25	7.58	19.6	2080	1.54	0.33	1.95	0.92	52.1	6.5	13	19.75	8.1	3.92
W588089		1.24	7.48	279	2320	1.62	0.75	2.63	13.80	55.8	6.6	11	21.1	31.6	3.97
W588090		1.22	7.08	197.0	2520	1.49	1.52	2.56	1.54	51.7	6.8	12	20.7	32.4	3.97

Comments: **Re-analysis results for samples originally reported on certificate WH17150480**

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



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Project: ROCKHA_WH17150480

Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 25-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17176938

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
W588055		0.19	1.3	0.075	2.72	22.3	76.7	0.57	536	1.33	0.66	8.4	1.6	630	20.5	97.0
W588056		0.22	1.1	0.046	2.71	25.1	26.2	0.75	560	1.68	1.59	7.9	1.9	600	16.3	105.0
W588057		0.21	1.0	0.039	2.66	20.3	39.6	0.73	588	2.09	1.00	7.4	1.5	580	78.1	85.6
W588058		0.18	1.1	0.046	2.75	23.1	33.5	0.81	1220	1.38	0.05	7.6	1.7	610	368	96.2
W588059		0.14	1.0	0.764	2.96	23.6	17.1	0.79	1850	7.99	0.13	6.2	11.3	550	1340	161.5
W588060		0.16	1.0	1.020	3.23	26.4	11.4	0.59	3210	2.83	0.03	6.8	1.4	510	2040	192.5
W588061		0.24	1.1	0.096	3.22	19.6	42.7	0.51	1020	2.62	0.45	7.5	1.5	590	51.3	123.5
W588062		0.20	1.0	0.070	2.99	19.6	15.4	0.72	889	2.03	1.51	7.7	1.9	590	128.0	99.9
W588063		0.23	0.7	0.092	2.18	31.2	34.3	0.56	1520	1.81	0.08	5.8	1.8	490	156.5	100.5
W588064		0.20	1.0	0.061	2.64	9.4	18.8	0.89	768	11.75	0.12	6.7	1.5	570	5.7	84.1
W588065		0.17	1.0	0.062	2.62	9.7	19.1	0.91	769	10.15	0.12	6.8	1.8	540	5.3	85.3
W588066		0.17	1.1	0.051	2.75	33.4	17.6	0.61	467	2.75	0.09	7.6	2.9	640	5.5	83.0
W588067		0.14	0.9	0.681	2.58	18.2	61.5	0.85	3150	1.24	0.05	6.5	2.0	460	1080	154.0
W588068		0.34	<0.1	<0.005	0.03	0.6	1.0	13.70	210	0.05	<0.01	0.2	1.2	190	3.3	1.2
W588069		0.19	1.3	0.355	2.81	18.2	21.7	0.54	632	1.14	1.17	8.1	1.5	610	98.1	93.2
W588070		0.17	1.2	0.469	3.95	19.8	15.6	0.59	1540	1.26	0.53	7.2	1.8	560	766	172.0
W588071		0.15	1.2	0.062	3.08	19.0	69.9	0.54	764	1.03	0.41	7.7	1.9	590	15.9	111.5
W588072		0.15	1.1	0.117	3.39	22.4	54.1	0.69	1100	2.54	0.28	7.3	2.9	570	156.0	144.0
W588073		0.13	1.0	0.313	3.18	28.7	24.1	0.84	2020	12.70	0.16	6.1	14.1	560	508	164.5
W588074		0.19	1.2	0.072	3.03	26.6	12.1	0.72	648	1.84	1.97	8.2	2.2	640	35.6	123.5
W588075		0.12	1.4	0.961	3.18	29.8	11.4	0.64	2680	2.23	0.12	5.9	1.6	290	365	180.0
W588076		0.18	1.1	0.060	3.00	25.2	40.3	0.74	832	1.67	1.62	7.8	2.3	610	24.8	123.0
W588077		0.15	1.2	0.233	2.43	23.9	40.1	0.46	1410	1.45	0.07	7.7	1.8	590	150.5	111.5
W588078		0.11	1.2	0.378	2.46	27.1	39.3	0.49	1480	1.60	0.07	7.8	1.9	580	187.5	119.5
W588079		0.13	1.0	0.392	3.38	25.1	24.0	0.72	2820	2.91	0.07	7.2	2.7	550	142.0	170.5
W588080		0.15	1.2	0.051	3.03	22.5	63.4	0.47	719	1.46	0.15	8.1	2.0	590	13.5	136.0
W588081		0.10	0.9	0.594	3.11	22.5	40.4	0.49	3090	25.1	0.06	5.8	3.3	410	828	173.0
W588082		0.12	1.1	0.055	2.42	21.2	192.0	0.57	998	1.41	0.07	7.8	2.1	600	21.8	93.4
W588083		0.17	1.2	0.120	3.47	24.4	73.5	0.65	1620	1.39	0.25	7.6	2.1	550	39.9	144.5
W588084		0.10	0.9	0.497	2.93	18.5	16.7	0.41	1820	3.51	0.04	5.8	2.2	430	1320	169.0
W588085		0.29	<0.1	0.005	0.03	0.6	1.2	13.05	198	0.14	<0.01	0.2	1.4	180	3.4	1.5
W588086		0.17	1.1	0.032	2.98	24.9	89.4	0.81	1050	1.57	0.17	7.9	2.0	620	33.7	119.0
W588087		0.15	1.1	0.222	3.35	24.0	59.2	0.67	2410	1.99	0.45	7.6	2.1	570	59.9	141.5
W588088		0.15	1.2	0.079	3.27	26.2	25.2	0.70	1020	1.31	0.62	7.9	1.8	590	46.0	146.5
W588089		0.15	1.1	0.393	2.86	29.6	89.4	1.02	2190	2.05	0.04	7.3	1.9	550	195.0	150.5
W588090		0.13	1.0	0.094	2.89	27.4	18.4	1.04	1640	1.27	0.04	6.9	1.9	530	34.0	131.5

Comments: **Re-analysis results for samples originally reported on certificate WH17150480**

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



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Page: 2 - C
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Finalized Date: 25-AUG-2017
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Project: ROCKHA_WH17150480

CERTIFICATE OF ANALYSIS WH17176938

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 0.01	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
W588055		<0.002	0.08	6.74	9.6	1	1.9	217	0.68	0.08	11.55	0.265	1.23	3.4	71	2.8
W588056		<0.002	0.10	3.72	9.6	1	1.7	305	0.63	<0.05	11.55	0.259	1.35	3.7	70	3.2
W588057		<0.002	0.12	4.94	8.8	1	2.1	246	0.59	<0.05	9.76	0.252	1.40	3.5	69	2.6
W588058		<0.002	0.26	8.59	9.4	1	1.7	101.0	0.61	<0.05	11.40	0.263	2.00	3.8	71	4.4
W588059		0.002	4.82	60.0	8.5	2	7.8	96.6	0.51	1.22	10.50	0.213	2.45	4.8	64	5.7
W588060		<0.002	2.77	28.1	9.2	1	5.1	38.8	0.53	<0.05	11.45	0.234	3.44	6.8	67	7.2
W588061		0.002	0.13	9.51	8.6	1	2.0	162.0	0.60	0.05	9.99	0.243	1.97	2.5	71	2.1
W588062		<0.002	0.27	3.52	9.0	1	1.6	286	0.61	<0.05	9.81	0.253	1.65	3.0	69	2.4
W588063		0.002	0.30	7.98	8.1	1	2.1	178.0	0.44	<0.05	10.85	0.184	1.53	6.1	57	2.2
W588064		0.007	0.09	10.15	7.8	<1	2.5	74.6	0.56	<0.05	10.80	0.212	1.52	3.3	66	1.7
W588065		0.005	0.09	10.45	8.0	1	2.7	76.0	0.57	<0.05	10.80	0.216	1.51	3.2	68	1.8
W588066		<0.002	0.24	11.15	9.1	1	2.4	43.9	0.64	<0.05	11.05	0.240	1.40	3.9	70	1.7
W588067		<0.002	1.53	10.85	8.6	1	5.0	120.5	0.53	0.26	11.55	0.217	2.19	5.3	59	8.5
W588068		<0.002	<0.01	0.11	0.2	<1	<0.2	44.7	<0.05	<0.05	0.10	<0.005	<0.02	0.7	2	0.1
W588069		<0.002	0.25	11.60	8.7	1	1.9	244	0.66	<0.05	10.70	0.265	1.12	3.0	71	3.8
W588070		<0.002	1.55	19.40	8.7	<1	2.9	148.5	0.60	<0.05	10.80	0.240	2.39	4.6	67	3.6
W588071		<0.002	0.06	14.20	9.0	1	1.8	150.0	0.65	<0.05	10.90	0.257	1.51	3.6	69	3.3
W588072		<0.002	1.48	35.1	9.1	<1	2.4	134.0	0.59	<0.05	11.40	0.237	2.13	8.4	67	3.6
W588073		0.003	2.90	26.9	8.9	2	5.7	113.0	0.48	0.33	10.90	0.217	2.43	4.9	70	5.0
W588074		<0.002	0.06	3.82	10.6	1	1.8	336	0.65	<0.05	12.80	0.275	1.33	4.0	75	1.3
W588075		<0.002	1.58	16.65	5.1	1	2.1	53.0	0.81	<0.05	22.3	0.127	2.25	6.2	36	2.2
W588076		<0.002	0.08	7.40	10.2	1	1.6	318	0.60	<0.05	12.55	0.261	1.43	4.2	71	5.3
W588077		<0.002	0.41	24.2	9.9	1	2.3	73.7	0.63	<0.05	12.85	0.250	1.48	3.2	66	5.2
W588078		<0.002	0.54	25.8	10.1	1	2.3	67.4	0.64	<0.05	14.55	0.248	1.60	3.8	66	5.2
W588079		<0.002	2.15	34.7	9.3	1	2.7	91.2	0.55	0.08	11.00	0.231	2.54	7.0	65	3.9
W588080		<0.002	0.05	21.1	10.4	1	1.6	106.5	0.65	<0.05	12.80	0.257	1.67	3.3	69	3.5
W588081		0.003	2.14	55.1	7.6	<1	4.1	46.6	0.45	<0.05	10.25	0.189	2.56	7.7	55	4.4
W588082		<0.002	0.11	37.6	9.4	1	1.9	183.5	0.61	<0.05	11.00	0.251	1.71	3.2	69	4.5
W588083		<0.002	0.18	13.40	9.3	1	1.8	145.0	0.62	<0.05	11.80	0.243	2.59	4.2	66	2.6
W588084		<0.002	4.40	49.6	8.0	1	5.5	33.8	0.47	0.11	10.00	0.186	2.60	4.7	56	6.7
W588085		<0.002	0.01	0.15	0.2	<1	<0.2	46.2	<0.05	<0.05	0.11	<0.005	0.02	0.9	2	0.1
W588086		<0.002	0.27	19.60	9.5	1	1.6	152.5	0.62	<0.05	11.35	0.258	2.36	4.0	70	5.0
W588087		<0.002	0.30	15.10	9.5	1	2.4	149.5	0.60	<0.05	11.95	0.248	2.38	4.3	68	3.9
W588088		<0.002	0.18	8.80	10.1	1	2.3	165.0	0.61	<0.05	12.75	0.256	2.16	4.2	69	2.8
W588089		<0.002	0.86	13.35	9.3	1	4.7	165.5	0.61	<0.05	12.90	0.240	2.68	5.4	64	4.8
W588090		<0.002	0.40	12.90	9.0	1	1.8	135.5	0.54	<0.05	12.20	0.231	2.53	5.2	63	7.0

Comments: **Re-analysis results for samples originally reported on certificate WH17150480**

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



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 25-AUG-2017
 Account: ROCKHA

Project: ROCKHA_WH17150480

CERTIFICATE OF ANALYSIS WH17176938

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61
		Y	Zn	Zr
		ppm 0.1	ppm 2	ppm 0.5
W588055		14.2	228	40.7
W588056		16.6	61	32.9
W588057		14.4	164	30.8
W588058		14.6	577	33.2
W588059		10.9	2430	29.5
W588060		9.2	3580	31.6
W588061		12.1	1180	34.4
W588062		14.6	295	32.4
W588063		22.2	348	22.2
W588064		12.0	57	27.8
W588065		11.6	58	27.9
W588066		14.0	56	32.1
W588067		12.2	3000	26.1
W588068		0.8	21	<0.5
W588069		13.5	739	38.6
W588070		13.5	1300	37.0
W588071		13.3	55	36.2
W588072		15.5	149	35.5
W588073		11.5	909	33.8
W588074		18.0	70	38.5
W588075		9.6	2420	40.3
W588076		17.1	67	35.6
W588077		14.3	464	35.7
W588078		15.0	925	35.9
W588079		14.1	180	31.7
W588080		15.8	51	35.9
W588081		9.1	4140	28.7
W588082		14.1	70	35.7
W588083		16.0	89	36.5
W588084		8.6	2380	28.7
W588085		0.8	20	<0.5
W588086		15.5	60	35.4
W588087		14.7	191	34.9
W588088		16.1	109	35.6
W588089		14.5	924	34.2
W588090		14.8	143	31.3

Comments: **Re-analysis results for samples originally reported on certificate WH17150480**

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



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Project: ROCKHA_WH17150480

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 25-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17176938

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
FND-02 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-AUG-2017
This copy reported on
14-SEP-2017
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CERTIFICATE WH17176972

Project: ROCKHA_WH17149651

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
C/O ARCHER, CATHRO AND 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 *****

Comments: **Re-analysis results for samples originally reported on certificate WH17149651**

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
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Finalized Date: 26-AUG-2017
Account: ROCKHA

Project: ROCKHA_WH17149651

CERTIFICATE OF ANALYSIS WH17176972

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
		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga
		ppm	%	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	0.05
V341141		0.13	6.94	14.7	1870	1.44	0.21	3.07	0.30	62.9	8.3	14	11.60	3.9	2.63	14.40
V341142		0.11	6.86	23.0	1340	1.82	0.16	4.07	0.28	61.4	5.9	15	20.2	10.1	2.40	16.85
V341143		8.46	6.12	495	1360	1.11	2.95	1.68	23.4	29.4	25.2	11	11.55	151.5	6.04	11.70
V341144		0.51	6.88	273	3810	1.64	0.14	2.96	1.91	45.2	6.1	11	25.5	16.5	2.60	15.00
V341145		0.61	7.25	143.5	2870	1.49	0.34	3.13	2.42	44.0	5.4	12	21.2	15.1	3.11	14.90
V341146		0.62	6.85	136.0	2770	1.42	0.36	3.01	2.58	41.9	5.0	10	20.3	16.0	3.00	14.00
V341147		0.74	7.36	60.7	1870	1.55	0.52	2.43	1.56	49.1	9.1	13	15.20	34.8	3.09	14.90
V341148		44.5	6.22	1560	670	1.12	39.0	0.15	18.30	34.3	9.2	13	6.27	576	9.49	12.40
V341149		2.08	7.72	98.5	1450	1.54	0.88	1.65	12.90	51.0	10.8	15	11.15	38.3	3.70	14.95
V341150		6.32	7.08	490	500	1.18	7.40	1.35	8.76	42.9	9.2	13	13.60	122.0	6.27	14.30
V341151		41.5	6.80	3480	880	1.20	23.2	1.40	4.95	36.9	10.5	20	10.20	1160	7.93	13.45
V341152		0.39	6.99	24.1	2430	1.45	0.53	2.86	0.89	39.7	8.3	15	17.00	20.1	3.03	15.15
V341153		11.50	6.77	1670	1130	1.28	12.20	1.88	31.1	47.2	17.7	22	14.20	296	6.87	13.85
V341154		2.23	7.72	69.9	2070	1.53	2.51	2.52	4.73	47.9	6.2	17	19.25	28.3	3.47	15.10
V341155		1.64	7.06	165.0	1660	1.33	0.29	2.26	2.10	47.1	6.0	10	20.2	36.2	3.21	14.50
V341156		0.19	6.97	15.9	2300	1.47	0.31	3.07	0.15	39.3	6.2	13	18.25	12.9	3.11	15.00
V341157		0.20	7.25	17.2	2200	1.50	0.29	2.86	0.18	44.5	7.2	12	18.30	13.4	3.13	15.35
V341158		0.91	7.21	145.5	1740	1.49	0.33	2.55	2.83	42.4	5.3	15	14.70	78.5	3.23	14.95
V341159		2.22	7.17	219	1250	1.31	0.30	2.25	3.27	45.6	7.0	11	20.1	20.6	2.91	15.05
V341160		0.12	8.10	9.8	2450	1.61	0.14	1.91	3.31	59.3	8.1	11	17.80	8.3	3.07	16.00
V341161		1.59	8.82	120.0	2370	1.66	0.99	0.75	11.60	62.4	9.1	16	24.1	32.2	4.41	16.45
V341162		1.38	7.80	694	2240	1.66	0.76	1.67	15.60	51.9	6.4	13	17.90	63.2	3.44	15.40
V341163		8.07	7.09	2820	760	1.40	5.14	0.19	21.4	46.1	5.9	13	17.95	82.1	4.67	14.05
V341164		0.01	0.06	5.3	30	0.06	0.05	22.6	0.14	1.17	0.6	1	0.17	2.8	0.49	0.18
V341165		0.74	8.24	339	1300	1.61	0.24	1.20	25.8	58.1	6.5	12	22.1	37.9	3.23	16.00
V341166		0.66	7.90	421	1330	1.41	0.26	1.34	10.95	53.4	10.4	13	25.3	26.1	3.41	14.65
V341167		0.23	7.67	41.5	2220	1.48	0.16	1.72	5.18	42.9	9.1	13	21.6	12.0	3.29	15.60
V341168		2.31	7.86	408	2990	1.74	0.44	0.40	90.4	54.8	6.3	13	24.2	284	4.33	15.30
V341169		0.57	7.94	70.1	2410	1.64	0.15	1.30	30.0	53.1	6.4	9	16.20	33.0	3.13	16.25
V341170		0.11	7.86	25.5	2450	1.78	0.12	1.70	21.3	52.4	5.8	11	16.65	18.4	2.98	16.35
V341171		0.73	7.45	453	2970	1.52	0.16	1.24	32.5	47.6	6.1	12	22.7	55.6	3.25	15.00
V341172		39.0	5.81	2540	1370	1.24	33.5	1.65	45.8	34.4	16.9	22	9.95	1190	9.09	13.65
V341173		0.03	0.08	1.0	30	0.09	0.04	21.0	0.17	1.24	0.6	1	0.17	2.8	0.48	0.22
V341174		0.28	7.86	65.2	2140	1.54	0.13	1.31	18.20	49.8	6.1	11	21.0	25.0	2.94	16.85
V341175		2.36	7.96	747	2400	1.63	1.45	0.81	18.05	52.0	6.3	12	15.05	36.0	3.54	16.25
V341176		0.11	7.38	9.8	2250	1.76	0.10	2.50	3.90	37.9	5.9	15	13.55	11.0	2.86	15.35

Comments: **Re-analysis results for samples originally reported on certificate WH17149651**

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



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-AUG-2017
Account: ROCKHA

Project: ROCKHA_WH17149651

CERTIFICATE OF ANALYSIS WH17176972

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
V341141		0.09	1.0	0.049	2.98	34.8	11.0	0.67	719	1.37	1.35	7.3	2.6	600	27.7	138.5
V341142		0.10	3.5	0.020	2.30	31.0	83.2	0.72	589	2.37	0.80	10.4	4.9	1050	21.5	74.9
V341143		0.05	0.9	0.537	2.87	14.7	11.7	0.66	2500	3.99	0.03	5.2	2.9	500	1770	165.5
V341144		0.09	1.1	0.051	3.10	22.0	39.1	0.83	2450	1.34	0.05	7.5	2.4	620	103.5	127.5
V341145		0.10	1.1	0.183	3.41	22.4	36.8	0.89	2730	1.48	0.27	7.0	2.1	610	128.5	150.0
V341146		0.09	1.0	0.176	3.23	20.9	35.8	0.86	2620	1.18	0.25	6.6	2.0	590	130.0	140.0
V341147		0.10	1.1	0.084	3.56	25.2	45.2	0.69	1170	1.14	0.55	7.2	2.2	630	113.0	156.0
V341148		0.05	0.7	0.733	2.98	15.9	7.2	0.28	1700	4.90	0.03	5.5	2.0	460	1440	184.5
V341149		0.07	1.1	0.292	3.26	26.6	75.2	0.67	1570	2.07	0.05	7.8	2.1	620	634	165.0
V341150		0.06	1.1	0.310	3.29	22.5	12.6	0.67	816	2.16	0.03	6.6	2.5	560	486	196.5
V341151		0.06	0.9	0.544	2.93	18.6	80.0	0.62	554	3.48	0.05	6.7	2.1	570	1080	169.5
V341152		0.08	1.1	0.052	2.81	19.0	125.0	0.69	651	1.60	0.47	8.0	2.6	660	61.5	93.9
V341153		0.06	1.0	0.802	2.94	25.4	18.2	0.81	1790	8.53	0.13	6.3	13.1	550	1330	172.5
V341154		0.09	1.1	0.101	2.91	25.2	21.3	0.70	731	1.60	1.78	7.6	2.7	630	248	123.5
V341155		0.10	1.1	0.085	2.75	23.9	69.9	0.73	1540	3.57	0.46	7.5	1.8	590	119.0	128.0
V341156		0.09	1.1	0.053	3.22	19.2	12.9	0.64	786	1.31	1.55	7.7	2.1	620	20.9	124.5
V341157		0.10	1.2	0.048	3.13	22.3	14.2	0.68	736	1.38	1.68	8.3	2.2	620	22.5	128.0
V341158		0.08	1.1	0.095	3.69	20.9	39.9	0.70	1120	1.42	0.38	7.5	2.1	630	145.5	159.5
V341159		0.10	1.1	0.082	3.04	22.8	88.0	0.77	1380	7.42	0.05	8.1	2.5	610	193.0	116.5
V341160		0.10	1.3	0.031	2.99	31.7	10.7	0.71	643	1.13	2.45	8.2	2.9	640	21.3	123.5
V341161		0.11	1.3	0.234	3.68	37.9	33.5	0.29	1720	2.57	0.55	7.9	3.0	710	313	179.0
V341162		0.11	1.2	0.534	3.53	27.8	12.3	0.54	1400	1.71	1.23	7.7	2.5	610	222	172.5
V341163		0.09	1.0	1.710	3.25	25.1	20.3	0.23	865	13.25	0.06	6.4	1.6	460	1560	186.0
V341164		0.10	<0.1	<0.005	0.03	0.6	0.9	14.15	205	0.12	0.01	0.2	0.6	200	5.1	1.3
V341165		0.12	1.2	0.349	3.62	30.6	89.8	0.43	1390	1.73	0.08	8.2	2.1	650	181.0	174.0
V341166		0.10	1.2	0.146	3.43	29.1	24.4	0.48	1690	1.76	0.24	7.8	2.3	640	168.5	173.0
V341167		0.12	1.2	0.040	3.21	20.9	77.0	0.56	1220	1.55	0.29	8.0	2.1	640	77.0	127.5
V341168		0.10	1.2	0.157	3.39	30.2	43.5	0.27	2320	7.23	0.05	7.6	1.9	590	537	186.5
V341169		0.12	1.2	0.096	3.02	30.1	24.6	0.52	609	2.08	1.32	8.2	2.3	660	343	137.0
V341170		0.14	1.1	0.055	3.13	30.1	15.2	0.58	539	2.85	2.09	8.1	2.5	620	19.0	138.5
V341171		0.12	1.1	0.063	2.82	27.6	50.6	0.47	1270	3.82	0.09	7.2	2.1	590	166.5	145.5
V341172		0.10	0.8	1.535	2.65	18.7	15.0	0.68	2310	16.60	0.06	4.6	14.7	460	1675	153.0
V341173		0.06	<0.1	0.006	0.03	0.6	1.1	13.30	209	1.58	0.01	0.2	1.3	240	2.5	1.4
V341174		0.11	1.3	0.059	2.99	27.2	67.0	0.44	724	1.74	0.46	8.5	2.2	660	133.5	134.0
V341175		0.12	1.3	0.121	3.23	27.9	19.3	0.64	515	2.37	0.70	8.2	2.6	630	747	150.0
V341176		0.13	1.3	0.041	2.90	19.9	14.9	0.70	561	1.59	1.94	8.0	2.3	600	20.5	106.0

Comments: **Re-analysis results for samples originally reported on certificate WH17149651**

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Project: ROCKHA_WH17149651

Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-AUG-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17176972

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 0.01	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
V341141		<0.002	0.34	3.32	9.6	<1	1.9	231	0.60	<0.05	12.25	0.249	1.87	4.0	67	1.5
V341142		<0.002	0.09	8.31	4.8	1	1.6	529	0.68	<0.05	8.34	0.309	0.98	4.0	52	1.0
V341143		<0.002	5.68	20.4	7.7	1	5.6	99.0	0.43	0.50	9.11	0.183	2.44	2.9	63	2.7
V341144		<0.002	0.72	9.60	9.8	1	3.2	173.0	0.60	<0.05	12.30	0.257	3.04	4.8	72	4.3
V341145		<0.002	0.66	7.77	9.9	<1	2.9	182.5	0.56	0.05	11.90	0.248	2.69	5.5	73	3.3
V341146		<0.002	0.64	7.51	9.4	1	2.7	174.5	0.54	<0.05	11.40	0.237	2.55	5.4	71	3.1
V341147		<0.002	1.06	6.37	9.9	1	3.0	201	0.61	0.07	12.70	0.250	2.39	4.7	72	2.7
V341148		<0.002	9.15	101.0	7.9	1	8.2	13.6	0.45	0.63	10.00	0.197	2.45	4.7	62	3.4
V341149		<0.002	1.66	10.90	9.9	1	3.7	94.1	0.69	0.13	13.20	0.258	2.44	4.3	71	2.2
V341150		<0.002	5.64	26.3	8.9	1	5.7	80.4	0.55	0.18	10.75	0.236	2.78	3.1	69	3.6
V341151		<0.002	7.40	138.0	9.2	1	6.6	85.6	0.57	0.85	10.50	0.231	2.11	4.0	65	2.7
V341152		<0.002	0.52	6.66	10.3	1	2.2	212	0.62	0.07	11.45	0.287	1.55	3.4	80	2.4
V341153		<0.002	4.85	65.0	8.9	1	7.7	96.8	0.51	1.05	11.65	0.218	2.51	5.3	66	5.6
V341154		<0.002	0.83	5.84	10.1	1	2.0	340	0.61	<0.05	13.10	0.268	1.47	3.6	74	1.8
V341155		<0.002	1.15	16.70	9.7	1	2.0	195.5	0.64	<0.05	12.10	0.249	2.10	3.8	69	2.7
V341156		<0.002	0.26	4.36	9.7	<1	1.9	310	0.65	<0.05	11.30	0.262	1.77	4.1	72	1.4
V341157		<0.002	0.18	4.60	10.5	1	2.0	313	0.71	<0.05	12.10	0.272	1.76	4.5	75	2.5
V341158		<0.002	0.71	10.65	9.8	<1	2.4	172.5	0.61	<0.05	11.85	0.262	2.59	4.0	73	2.1
V341159		<0.002	0.74	13.65	11.5	1	2.1	136.0	0.65	<0.05	12.45	0.283	2.31	5.0	83	4.0
V341160		<0.002	0.01	2.06	10.5	<1	1.7	354	0.66	<0.05	15.40	0.277	1.29	2.6	75	0.9
V341161		<0.002	0.14	9.72	11.8	1	2.6	110.0	0.64	0.07	15.85	0.276	2.65	5.0	80	3.7
V341162		<0.002	0.74	8.62	10.2	1	2.0	223	0.64	0.05	14.05	0.256	2.32	4.1	70	2.3
V341163		<0.002	2.10	35.2	8.5	1	6.0	65.1	0.52	0.07	11.60	0.220	2.93	5.0	62	4.8
V341164		<0.002	<0.01	0.15	0.1	<1	<0.2	46.8	<0.05	<0.05	0.11	<0.005	<0.02	0.7	2	0.1
V341165		<0.002	0.39	12.30	10.6	<1	2.5	126.0	0.68	<0.05	15.30	0.276	2.66	5.2	76	2.7
V341166		<0.002	0.79	11.20	10.0	1	2.1	85.6	0.64	<0.05	13.85	0.276	3.11	4.6	74	6.0
V341167		<0.002	0.23	12.55	10.0	1	1.7	163.5	0.65	<0.05	12.05	0.272	2.30	3.9	77	2.0
V341168		<0.002	0.58	77.8	10.5	1	2.2	70.1	0.61	<0.05	14.50	0.260	3.63	6.6	74	5.4
V341169		<0.002	0.11	11.40	10.2	1	1.8	214	0.65	<0.05	14.00	0.272	1.47	3.0	75	2.8
V341170		<0.002	0.05	5.73	9.9	1	1.7	325	0.64	<0.05	13.05	0.254	1.47	2.5	72	1.3
V341171		<0.002	0.48	39.4	9.5	1	2.5	90.0	0.60	<0.05	13.50	0.237	2.60	4.2	67	6.1
V341172		0.003	8.03	105.0	8.0	1	10.5	59.4	0.38	0.70	8.37	0.164	2.15	5.6	57	6.8
V341173		<0.002	0.01	0.20	0.2	<1	<0.2	44.6	<0.05	<0.05	0.09	<0.005	0.02	0.7	3	0.1
V341174		<0.002	0.25	25.3	10.2	1	1.9	155.0	0.69	<0.05	13.25	0.261	1.65	3.8	70	7.1
V341175		<0.002	0.65	14.65	10.5	<1	2.4	122.5	0.69	<0.05	14.20	0.246	1.73	3.1	70	3.2
V341176		<0.002	0.04	3.15	9.1	1	1.4	319	0.65	<0.05	10.85	0.248	1.19	3.3	68	1.9

Comments: **Re-analysis results for samples originally reported on certificate WH17149651**

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



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 26-AUG-2017
 Account: ROCKHA

Project: ROCKHA_WH17149651

CERTIFICATE OF ANALYSIS WH17176972

Sample Description	Method Analyte Units LOR	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V341141		13.8	65	29.0
V341142		9.1	89	142.0
V341143		9.6	2350	27.6
V341144		14.9	240	33.7
V341145		14.4	279	32.0
V341146		13.7	308	30.1
V341147		13.3	173	31.0
V341148		9.4	1520	20.4
V341149		13.4	1360	31.7
V341150		10.2	749	34.0
V341151		10.9	449	27.5
V341152		13.9	117	31.9
V341153		11.7	2490	31.2
V341154		15.0	496	31.8
V341155		13.8	230	33.4
V341156		14.7	53	32.6
V341157		16.1	56	33.9
V341158		13.8	300	31.0
V341159		15.2	357	32.0
V341160		17.2	246	37.5
V341161		22.0	1140	37.8
V341162		16.1	1180	35.7
V341163		10.9	1360	30.1
V341164		0.8	23	<0.5
V341165		16.7	1940	35.8
V341166		15.6	1340	33.1
V341167		14.7	1040	34.1
V341168		15.7	5600	33.5
V341169		16.5	2380	31.8
V341170		15.5	1670	33.2
V341171		15.3	2010	31.7
V341172		9.6	3420	24.4
V341173		0.9	26	<0.5
V341174		15.3	1190	37.7
V341175		15.6	1750	37.3
V341176		14.5	316	36.0

Comments: **Re-analysis results for samples originally reported on certificate WH17149651**

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

Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. FND-02 ME-MS61
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Page: 1
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Plus Appendix Pages
Finalized Date: 22-SEP-2017
Account: ROCKHA

CERTIFICATE WH17178050

Project: Klaza

P.O. No.: 17-123

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES

To: **ROCKHAVEN 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)
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Finalized Date: 22-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178050

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag 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	1	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W589698		3.80		0.77	7.20	72.5	2080	1.18	0.58	2.57	1.96	39.7	18.3	9	14.80	44.4
W589699		2.88		0.24	7.97	39.4	430	1.32	0.32	1.88	0.49	40.7	8.2	7	12.05	9.8
W589700		6.47		0.28	7.26	39.4	710	1.34	0.44	2.52	0.25	44.6	7.3	9	16.50	8.5
W589701		2.47		0.46	6.93	53.7	450	1.19	0.84	2.75	0.47	46.3	7.4	7	17.55	15.1
W589702		0.26		13.40	6.89	1690	110	1.25	14.45	1.93	34.9	46.1	18.7	19	13.95	313
W589703		5.30		0.19	7.86	145.5	1740	1.33	1.11	2.01	0.28	42.1	8.8	9	12.15	29.0
W589704		2.43		1.63	7.35	532	1260	1.36	1.11	2.37	2.47	47.8	8.9	8	17.60	51.7
W589705		4.20		0.41	7.24	68.4	720	1.47	1.37	2.06	0.52	40.9	14.9	9	12.20	96.0
W589706		3.50		0.30	6.48	351	1520	1.05	0.35	3.50	0.60	46.7	7.1	9	12.45	10.8
W589707		<0.02		0.28	6.79	362	1570	1.07	0.39	3.46	0.63	46.6	7.4	9	12.75	12.2
W589708		5.59		0.08	8.42	29.7	2300	1.08	0.48	1.17	0.22	49.9	6.3	10	22.5	7.5
W589709		2.01		0.17	7.17	26.6	1490	1.15	0.72	3.58	0.27	47.3	8.0	7	17.85	15.0
W589710		3.44		1.22	7.72	83.3	1810	1.30	37.4	2.61	0.51	47.7	12.5	10	14.80	257
W589711		3.86		1.22	7.34	79.3	1910	1.31	1.75	2.58	0.76	36.2	15.3	11	19.90	404
W589712		3.75		0.33	7.87	53.5	2380	1.46	1.47	2.26	0.28	43.9	20.1	8	19.20	73.7
W589713		4.69		0.29	6.58	42.7	660	1.17	0.70	3.40	0.36	37.1	10.2	10	14.65	27.4
W589714		13.42		0.46	7.03	55.3	1320	1.13	4.92	1.90	0.40	40.3	9.7	7	11.80	130.5
W589715		12.65		0.43	7.13	45.3	1360	1.43	2.61	2.18	0.79	40.2	8.8	7	12.10	87.7
W589716		9.76		0.43	7.47	59.7	2230	1.50	4.47	2.21	0.23	43.2	28.1	9	11.50	70.9
W589717		4.18		0.43	7.60	84.6	1790	1.59	1.08	2.19	0.95	45.3	19.6	10	13.05	129.5
W589718		3.84	122	>100	6.62	3280	1380	1.59	1.65	1.61	25.9	42.7	19.3	8	19.55	106.5
W589719		4.82		2.10	7.26	496	850	1.57	0.53	1.88	2.57	41.4	9.2	9	12.85	13.3
W589720		0.26		41.1	5.75	2640	100	1.09	40.1	1.66	45.8	35.2	16.8	22	9.65	1230
W589721		1.45		0.37	7.45	58.4	2620	1.35	0.68	2.83	0.30	55.2	10.3	9	14.05	14.0
W589722		3.38		42.4	6.69	1395	3990	1.41	0.14	3.15	25.3	50.4	5.5	6	17.70	31.7
W589723		3.00		3.12	5.21	61.6	1360	1.28	0.14	2.88	3.72	34.7	4.6	5	18.90	10.2
W589724		6.12		0.08	0.06	2.6	40	0.05	0.04	21.0	0.11	1.17	1.5	<1	0.14	3.4
W589725		4.66		2.25	7.20	41.3	2460	0.93	0.25	1.70	4.65	38.0	6.2	8	17.40	11.1
W589726		9.95		0.19	6.70	17.6	2150	1.55	0.16	2.25	0.52	39.4	7.5	9	17.75	13.2
W589727		4.04		0.96	6.75	189.5	1610	1.43	0.41	1.89	4.70	42.7	19.6	10	16.20	11.3
W589728		4.16		1.77	7.49	400	1740	1.70	0.14	1.54	13.90	49.8	6.9	8	20.8	7.4
W589729		5.23		1.03	7.16	276	2120	1.73	0.16	1.98	1.38	41.6	6.8	7	24.8	11.0
W589730		1.71		0.64	7.34	324	2180	1.63	0.19	1.97	1.13	42.7	7.0	7	25.2	19.4
W589731		6.24		17.80	6.87	917	2060	1.52	0.23	1.76	3.04	40.6	6.2	7	18.05	19.1
W589732		3.89		0.64	7.02	290	2480	1.52	0.19	1.74	0.77	39.4	6.9	8	16.90	19.3
W589733		6.06		0.03	0.06	1.3	110	0.06	0.04	20.5	0.06	1.17	0.6	1	0.15	1.7



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Plus Appendix Pages
Finalized Date: 22-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178050

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
W589698		2.91	15.95	0.10	1.2	0.062	3.32	19.0	31.2	0.54	2310	2.18	1.01	7.9	2.6	620
W589699		2.67	16.65	0.13	1.1	0.043	2.10	20.1	323	0.65	2180	2.43	0.03	8.2	2.6	660
W589700		2.95	15.95	0.11	1.1	0.038	1.97	23.6	259	0.85	1740	4.81	0.03	7.7	2.5	610
W589701		2.79	14.90	0.12	1.0	0.031	2.37	26.1	116.0	0.94	2270	2.99	0.03	6.9	2.6	470
W589702		7.03	16.30	0.12	1.1	0.866	3.08	23.7	18.9	0.78	1920	10.50	0.13	6.9	12.6	580
W589703		3.11	17.15	0.11	1.2	0.045	2.94	21.4	100.0	0.57	1200	4.24	0.78	8.8	2.9	660
W589704		3.54	15.65	0.12	1.1	0.044	3.33	26.8	42.5	0.79	3380	6.14	0.08	7.6	3.4	580
W589705		3.01	15.85	0.13	1.0	0.044	2.47	20.8	279	0.72	1260	5.62	0.05	7.9	2.9	610
W589706		3.29	13.80	0.11	1.1	0.038	1.96	25.6	287	0.96	2300	3.77	0.05	7.0	2.5	510
W589707		3.32	14.00	0.13	1.1	0.040	1.99	26.5	290	0.97	2330	3.98	0.05	7.0	2.8	510
W589708		3.08	17.45	0.13	1.4	0.038	2.87	26.5	54.6	0.47	900	3.80	0.12	8.7	2.3	640
W589709		3.15	15.40	0.14	1.3	0.038	2.25	26.1	54.0	1.09	1210	3.07	0.31	7.9	2.5	570
W589710		3.03	17.10	0.12	1.3	0.081	2.80	24.2	60.7	0.69	765	3.40	0.91	9.3	2.6	690
W589711		3.21	16.00	0.11	1.2	0.075	2.96	17.6	80.7	0.56	968	2.78	0.61	8.2	2.4	650
W589712		3.77	17.20	0.11	1.2	0.065	2.53	21.9	159.0	0.69	1400	3.91	0.14	8.7	2.7	710
W589713		2.68	15.25	0.14	1.4	0.039	2.32	17.8	480	0.53	1540	1.87	0.05	7.7	2.3	540
W589714		2.61	15.90	0.10	1.5	0.058	2.55	20.2	120.5	0.52	894	2.12	0.08	8.5	2.7	590
W589715		2.91	14.90	0.12	1.5	0.055	2.92	21.2	124.5	0.70	1070	1.74	0.15	8.0	2.3	550
W589716		3.02	15.60	0.16	1.2	0.133	3.24	22.6	20.0	0.61	814	4.17	1.89	8.2	2.4	610
W589717		2.88	17.05	0.14	1.3	0.056	3.31	23.9	76.9	0.75	1450	2.52	0.26	8.4	3.0	640
W589718		3.56	15.10	0.12	1.3	0.136	2.55	24.2	98.3	0.66	3170	19.45	0.02	7.0	2.9	520
W589719		3.16	15.85	0.13	1.4	0.077	2.89	20.4	69.7	0.68	2230	6.57	0.05	8.1	2.7	530
W589720		9.29	14.30	0.15	0.9	1.595	2.64	17.8	17.0	0.66	2390	19.05	0.06	4.8	14.6	470
W589721		3.06	16.45	0.14	1.8	0.072	3.25	30.6	69.7	0.96	1230	1.80	0.06	9.1	2.5	550
W589722		3.21	14.15	0.12	1.2	0.053	2.89	28.4	82.0	1.03	2270	2.11	0.28	6.9	2.1	510
W589723		2.19	11.20	0.09	1.1	0.044	1.83	19.5	79.8	0.60	1880	2.86	0.02	5.6	1.6	380
W589724		0.48	0.21	0.15	<0.1	<0.005	0.02	0.6	1.1	13.15	213	0.11	<0.01	0.1	0.6	180
W589725		3.09	15.60	0.14	1.4	0.100	2.95	19.3	49.1	0.62	1060	2.18	0.08	7.8	2.1	580
W589726		2.92	15.55	0.08	1.5	0.069	3.13	20.0	24.5	0.60	1080	2.14	1.33	7.9	6.1	540
W589727		3.64	14.55	0.07	1.5	0.113	3.16	23.0	61.8	0.62	1990	2.11	0.18	7.7	3.3	510
W589728		2.96	15.60	0.08	1.5	0.043	3.43	27.9	43.7	0.40	3770	2.27	0.73	8.2	2.6	570
W589729		2.94	15.55	0.08	1.5	0.078	3.49	22.1	20.9	0.40	1340	1.81	1.24	8.6	2.5	580
W589730		2.90	15.80	0.07	1.6	0.069	3.38	22.6	23.0	0.38	1160	1.69	1.18	8.7	2.5	580
W589731		2.95	15.10	0.07	1.5	0.102	3.83	21.1	58.0	0.46	2130	1.91	0.47	8.2	2.3	540
W589732		2.82	15.75	0.07	1.5	0.063	3.60	20.3	53.2	0.46	1920	2.29	0.33	8.6	2.3	600
W589733		0.48	0.18	0.13	<0.1	<0.005	0.02	0.6	1.3	12.75	206	0.13	<0.01	0.1	1.4	160



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178050

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
W589698		20.5	121.5	<0.002	0.57	29.0	10.0	1	2.3	249	0.62	<0.05	11.25	0.266	2.30	2.7
W589699		25.1	72.7	<0.002	0.31	29.1	10.4	1	3.4	154.0	0.62	<0.05	11.30	0.279	1.75	4.0
W589700		25.3	80.5	<0.002	0.28	32.5	10.1	<1	3.2	216	0.58	<0.05	11.15	0.258	1.83	5.2
W589701		36.3	108.5	<0.002	0.51	39.1	9.0	<1	2.2	163.5	0.56	<0.05	12.05	0.218	2.27	3.8
W589702		1425	165.5	<0.002	4.94	70.5	9.7	2	8.6	102.0	0.56	1.34	11.80	0.212	2.88	5.8
W589703		27.7	107.0	<0.002	0.52	25.4	10.8	<1	2.4	214	0.69	<0.05	12.50	0.282	2.29	5.2
W589704		106.5	149.5	<0.002	1.32	70.6	10.0	<1	2.2	89.7	0.60	<0.05	12.35	0.244	2.66	5.6
W589705		40.6	91.5	<0.002	0.63	68.0	9.9	1	2.3	130.0	0.62	<0.05	12.05	0.247	1.98	4.7
W589706		27.3	83.1	<0.002	0.12	43.5	8.8	1	2.1	121.5	0.58	<0.05	11.80	0.221	1.52	11.0
W589707		27.6	87.4	<0.002	0.12	44.3	8.7	<1	2.2	123.5	0.57	<0.05	11.55	0.222	1.47	10.7
W589708		17.1	120.5	<0.002	0.08	24.5	10.8	1	2.6	94.3	0.70	<0.05	13.95	0.273	1.63	4.9
W589709		19.7	96.5	<0.002	0.15	21.0	9.7	<1	2.4	119.5	0.70	<0.05	12.70	0.244	1.54	5.7
W589710		32.0	103.0	<0.002	0.46	73.3	11.8	1	3.1	246	0.67	0.19	13.15	0.291	2.27	31.2
W589711		35.7	101.0	<0.002	0.47	25.9	10.4	<1	2.8	227	0.62	<0.05	10.70	0.271	2.25	5.4
W589712		23.2	99.2	0.002	0.50	41.0	11.7	1	2.7	181.0	0.67	<0.05	12.20	0.300	2.23	7.7
W589713		24.9	80.9	<0.002	0.20	34.1	9.5	1	3.0	222	0.65	<0.05	11.80	0.243	1.78	5.9
W589714		26.5	92.5	<0.002	0.35	74.0	10.0	1	2.6	139.5	0.72	0.17	12.90	0.253	1.76	6.9
W589715		33.2	107.5	<0.002	0.31	48.1	9.4	<1	3.2	141.5	0.75	0.11	13.65	0.233	1.94	5.7
W589716		20.6	136.5	<0.002	0.43	13.15	10.1	1	4.2	250	0.61	1.15	13.10	0.256	2.08	4.1
W589717		73.3	131.5	<0.002	0.48	70.5	10.9	1	3.7	164.5	0.66	0.07	13.50	0.263	2.44	3.8
W589718		2850	148.0	<0.002	1.04	218	9.5	1	3.9	179.0	0.59	0.13	12.15	0.219	2.77	7.1
W589719		229	124.5	<0.002	0.56	47.4	10.0	<1	3.1	171.5	0.75	<0.05	12.95	0.234	2.58	7.5
W589720		1750	143.5	<0.002	7.97	110.0	8.4	2	10.9	64.0	0.39	0.80	9.32	0.163	2.37	5.8
W589721		25.6	145.5	0.002	0.27	23.8	9.8	1	2.3	220	0.91	0.06	19.45	0.217	3.34	5.7
W589722		4190	127.0	<0.002	0.66	71.3	8.9	<1	2.6	190.0	0.55	<0.05	12.50	0.213	1.90	5.4
W589723		82.4	87.4	<0.002	0.14	58.4	6.9	<1	1.6	212	0.49	<0.05	10.10	0.169	1.62	9.4
W589724		7.2	0.9	<0.002	<0.01	0.23	0.2	<1	<0.2	46.5	<0.05	<0.05	0.10	<0.005	<0.02	0.7
W589725		249	109.0	<0.002	0.35	26.6	9.1	1	2.0	111.0	0.62	<0.05	12.60	0.242	1.78	2.8
W589726		28.2	115.5	<0.002	0.06	8.73	9.6	1	1.8	208	0.66	<0.05	14.30	0.228	1.70	2.7
W589727		39.1	131.5	<0.002	0.33	28.0	8.7	1	2.6	156.0	0.66	0.07	14.10	0.218	2.16	3.9
W589728		232	147.5	<0.002	0.33	23.3	10.0	1	1.9	177.5	0.69	<0.05	14.90	0.240	2.11	3.5
W589729		57.6	146.0	<0.002	0.12	15.50	10.0	1	2.2	209	0.72	<0.05	13.50	0.247	1.96	3.0
W589730		44.3	139.0	<0.002	0.10	18.90	9.8	1	3.0	207	0.74	<0.05	13.90	0.247	1.85	3.0
W589731		225	155.0	<0.002	0.65	103.5	9.2	1	2.6	129.0	0.74	<0.05	13.95	0.226	2.52	2.9
W589732		20.3	141.5	<0.002	0.24	23.7	9.9	1	1.9	150.0	0.70	<0.05	12.55	0.248	2.16	2.9
W589733		1.7	0.9	<0.002	<0.01	0.23	0.1	1	<0.2	48.5	<0.05	<0.05	0.10	<0.005	<0.02	1.0



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17178050

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-AA24
		V	W	Y	Zn	Zr	Au
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5	ppm 0.005
W589698		72	2.5	13.8	497	28.8	0.015
W589699		75	3.5	13.4	355	26.6	<0.005
W589700		72	3.1	14.9	56	28.0	<0.005
W589701		63	3.4	12.6	60	23.7	0.009
W589702		67	6.6	11.7	2520	28.9	0.910
W589703		76	1.9	14.1	97	29.0	<0.005
W589704		69	3.4	14.6	236	26.2	0.175
W589705		71	2.6	12.8	132	25.3	0.005
W589706		62	6.2	15.4	179	27.2	<0.005
W589707		62	6.4	15.4	183	28.1	<0.005
W589708		74	5.6	15.1	75	33.6	<0.005
W589709		67	5.0	16.8	78	31.6	<0.005
W589710		81	4.5	16.3	97	31.1	0.012
W589711		76	3.3	13.0	112	28.1	0.019
W589712		86	3.4	15.8	82	30.0	0.006
W589713		69	3.9	13.0	71	34.1	0.006
W589714		68	6.8	12.8	79	39.3	0.005
W589715		64	3.3	13.6	163	35.6	0.005
W589716		70	3.2	14.0	135	31.7	0.015
W589717		73	3.2	14.5	274	36.3	0.015
W589718		64	6.0	12.0	2200	36.5	2.08
W589719		67	5.7	14.0	539	34.0	0.156
W589720		58	7.9	8.8	3410	22.0	1.835
W589721		60	6.7	18.9	130	44.2	0.005
W589722		58	5.2	14.6	1520	34.8	0.219
W589723		48	4.9	11.9	330	31.8	<0.005
W589724		3	0.1	0.8	18	<0.5	<0.005
W589725		66	4.6	12.5	362	38.1	<0.005
W589726		64	3.3	14.7	84	43.8	<0.005
W589727		62	14.0	13.8	925	41.7	1.280
W589728		65	5.5	16.3	1420	41.1	0.021
W589729		66	3.3	15.6	199	43.0	0.028
W589730		65	4.2	15.2	180	45.3	0.031
W589731		61	4.3	13.4	304	40.6	0.426
W589732		67	2.8	13.7	200	43.0	0.013
W589733		2	0.1	0.8	15	<0.5	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17178050

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag-OG62	Au-AA24	ME-MS61	ME-OG62
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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

CERTIFICATE WH17178062

Project: Klaza

P.O. No.: 17-127

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
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CERTIFICATE OF ANALYSIS WH17178062

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W592195		8.39	0.25	7.05	20.1	1880	1.50	0.58	2.42	0.40	47.8	7.2	8	18.20	26.9	2.86
W592196		2.87	0.42	7.22	94.8	2650	1.31	0.79	2.60	0.78	48.0	7.0	8	22.6	18.8	2.59
W592197		6.70	0.25	7.35	15.1	2200	1.57	0.42	2.38	0.74	42.8	6.6	9	21.8	49.0	3.22
W592198		2.60	3.79	7.18	177.0	440	1.59	12.40	1.31	5.28	66.2	24.2	8	19.10	173.5	5.77
W592199		5.20	2.11	8.06	12.4	2480	1.50	3.73	1.97	0.67	45.9	7.2	9	20.3	33.1	3.53
W592200		9.60	0.29	7.40	27.0	2260	1.75	0.42	2.87	0.39	42.6	7.0	9	24.2	29.7	2.90
W592201		8.13	0.64	7.32	101.5	1990	1.52	1.04	3.28	0.84	46.1	6.5	8	25.5	29.3	2.98
W592202		0.26	39.2	5.83	2500	170	1.08	35.9	1.65	44.4	34.5	15.7	22	10.15	1205	9.20
W592203		6.64	0.86	7.15	118.0	1080	1.54	1.91	2.91	0.62	52.9	10.7	11	23.3	48.9	3.29
W592204		5.80	0.59	6.25	63.3	990	1.21	0.61	1.35	2.08	38.2	7.6	11	18.35	31.9	2.44
W592205		6.03	0.01	0.09	0.5	30	0.06	0.04	20.9	0.06	1.26	1.6	<1	0.23	3.7	0.50
W592206		5.15	0.39	7.69	38.8	780	1.23	0.66	1.90	1.87	50.3	7.0	8	26.1	13.8	3.08
W592207		3.85	1.02	7.71	27.5	1810	1.39	3.95	2.32	0.77	46.2	7.4	9	24.9	29.4	3.55
W592208		1.76	0.88	7.80	32.9	2110	1.65	2.82	2.20	1.56	50.3	8.0	8	24.3	38.7	3.47
W592209		8.31	0.40	7.68	25.3	2490	1.29	3.79	1.86	0.44	46.0	6.2	9	19.55	51.7	2.78
W592210		5.22	0.86	6.70	108.5	780	1.45	0.88	2.43	5.45	47.4	8.2	7	24.7	26.0	3.81
W592211		7.56	0.34	7.43	29.8	2360	1.35	0.41	2.46	0.77	42.8	7.2	8	17.95	73.0	3.21
W592212		8.31	0.26	7.54	52.2	1220	1.42	0.29	1.84	0.28	41.9	8.3	8	24.4	55.1	2.79
W592213		6.66	0.16	7.74	21.9	1600	1.57	0.26	1.80	0.24	41.0	6.4	8	27.2	57.5	2.86
W592214		5.26	0.44	7.87	38.3	2070	1.70	0.66	2.16	0.57	46.1	8.1	8	25.2	94.1	3.32
W592215		4.35	5.52	6.98	333	220	1.50	7.62	1.77	14.35	40.2	8.7	9	11.90	102.5	5.64
W592216		<0.02	4.84	6.70	311	210	1.49	7.29	1.74	13.60	35.7	8.7	8	11.15	101.5	5.46
W592217		3.96	2.03	7.84	89.1	440	1.61	3.53	2.13	2.19	45.5	6.9	9	16.80	134.5	3.49
W592218		3.21	0.18	8.37	13.5	1980	1.91	0.25	0.64	0.10	44.4	9.5	9	17.20	7.5	3.71
W592219		3.88	0.13	8.01	10.0	2410	1.44	0.18	1.65	0.11	47.4	8.8	7	13.20	5.7	3.36
W592220		6.99	0.10	7.87	5.6	2090	1.59	0.10	1.81	0.07	43.6	9.3	7	10.25	5.2	3.68
W592221		6.02	0.01	0.06	0.2	20	0.06	0.04	21.2	0.06	1.05	1.6	<1	0.11	3.3	0.49
W592222		2.98	0.35	7.29	36.0	2030	1.53	0.45	2.99	0.19	45.5	7.8	8	14.90	16.6	3.75
W592223		4.14	1.43	6.19	508	570	1.34	0.37	4.54	1.00	47.6	7.1	7	15.35	38.3	3.22
W592224		5.07	0.33	7.06	83.2	590	1.34	0.18	3.28	0.17	47.0	7.7	9	20.3	8.0	2.66
W592225		2.92	0.87	6.26	127.0	1170	1.30	0.19	3.43	2.29	47.1	6.5	8	17.10	9.9	2.90
W592226		4.58	0.10	6.74	43.4	770	1.48	0.13	2.54	0.35	47.3	7.2	9	21.5	5.0	2.68
W592227		9.51	0.13	7.46	23.1	1560	1.47	0.13	1.87	0.14	47.1	7.2	9	19.30	8.4	2.78
W592228		0.26	24.4	5.94	3410	80	1.30	18.65	2.12	80.2	39.7	9.9	19	14.65	427	6.56
W592229		2.82	0.47	6.79	52.5	2010	1.44	0.21	3.19	0.38	54.8	7.5	8	16.40	59.1	3.53
W592230		3.66	0.13	7.37	33.9	2160	1.39	0.15	2.61	0.14	47.1	9.1	10	16.65	15.2	3.35



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178062

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W592195		14.80	0.11	1.0	0.052	2.53	25.5	21.4	0.70	486	1.36	1.39	7.5	2.5	620
W592196		14.65	0.10	1.0	0.072	3.07	27.6	13.2	1.01	611	1.68	0.13	6.9	3.1	590
W592197		16.05	0.11	1.1	0.092	2.83	21.9	20.4	0.67	623	0.91	1.12	8.0	2.6	640
W592198		15.80	0.12	1.0	0.561	3.24	38.4	10.5	0.74	683	21.1	0.18	5.4	3.4	620
W592199		17.10	0.10	1.0	0.073	3.01	24.7	19.2	0.68	525	1.30	0.89	8.4	2.8	690
W592200		16.50	0.11	1.0	0.060	2.93	22.7	31.3	0.71	540	1.03	0.76	7.7	2.5	640
W592201		15.55	0.11	0.9	0.105	2.80	25.7	25.7	1.12	757	1.42	0.06	7.5	2.3	630
W592202		13.65	0.13	0.8	1.560	2.64	18.3	16.0	0.67	2350	17.75	0.06	4.6	14.4	460
W592203		15.05	0.11	1.0	0.111	2.90	30.2	15.6	1.05	711	1.71	0.04	7.6	2.7	590
W592204		12.65	0.08	0.7	0.081	2.62	22.1	31.4	0.55	776	6.22	0.04	5.5	2.1	400
W592205		0.29	0.14	<0.1	0.005	0.04	0.6	0.9	13.05	208	0.13	0.01	0.2	1.4	290
W592206		15.25	0.12	0.8	0.079	2.21	28.1	45.7	0.71	1140	8.40	0.04	7.2	2.3	630
W592207		16.20	0.10	0.9	0.138	3.00	23.9	22.3	0.78	810	2.40	0.78	8.2	2.6	680
W592208		16.20	0.12	1.0	0.166	3.08	26.8	23.2	0.75	851	2.39	0.59	7.9	2.6	670
W592209		16.70	0.10	1.0	0.083	1.79	23.7	85.8	0.61	681	6.81	0.05	8.4	2.7	640
W592210		15.00	0.11	0.9	0.101	2.81	26.9	30.6	0.86	1920	1.73	0.06	7.0	2.9	520
W592211		15.95	0.11	0.8	0.078	3.07	22.8	20.2	0.74	829	0.91	1.25	7.3	2.6	590
W592212		15.65	0.11	0.9	0.053	2.54	21.6	67.4	0.59	800	0.72	0.10	7.5	2.8	640
W592213		15.90	0.10	1.1	0.065	2.65	21.6	48.7	0.54	538	1.07	0.58	8.0	2.5	640
W592214		16.55	0.13	0.9	0.095	3.26	24.9	19.0	0.71	836	1.35	0.87	7.7	2.8	630
W592215		16.25	0.13	0.7	0.232	3.30	22.8	16.9	0.77	3380	3.39	0.04	5.6	2.8	530
W592216		15.20	0.11	0.7	0.238	3.16	20.2	12.5	0.74	3200	3.71	0.04	5.3	2.4	510
W592217		16.10	0.09	0.9	0.149	2.35	25.1	117.0	0.81	1810	3.63	0.03	7.4	2.7	650
W592218		16.40	0.10	1.4	0.053	2.87	31.7	19.7	0.65	1040	0.83	1.27	8.1	3.4	680
W592219		16.85	0.12	1.5	0.044	2.57	26.2	22.9	0.89	560	0.62	0.29	8.3	2.9	640
W592220		16.30	0.10	1.4	0.038	2.56	23.3	24.7	0.95	612	0.66	0.77	8.2	3.0	660
W592221		0.20	0.18	<0.1	<0.005	0.02	0.5	0.9	13.25	209	0.08	0.01	0.1	1.0	190
W592222		15.70	0.14	1.5	0.091	3.09	24.2	45.1	0.78	1680	1.10	1.11	7.7	2.5	630
W592223		13.20	0.13	1.3	0.092	2.01	23.8	373	1.14	2870	0.73	0.03	6.1	2.1	500
W592224		15.75	0.17	1.5	0.039	2.14	21.4	260	0.97	1560	0.66	0.03	7.3	2.3	570
W592225		12.85	0.15	1.1	0.069	2.21	23.4	97.6	1.03	3070	0.84	0.02	5.8	2.1	500
W592226		15.20	0.13	1.5	0.036	2.08	21.0	230	0.67	1240	0.68	0.03	7.1	2.7	590
W592227		16.05	0.18	1.5	0.045	2.70	21.9	67.4	0.66	1050	0.71	0.06	7.4	2.3	590
W592228		13.65	0.18	0.9	1.680	2.66	19.8	24.3	0.88	1880	12.50	0.04	5.6	14.4	430
W592229		14.60	0.19	1.3	0.074	2.68	27.0	53.2	1.05	2100	0.72	0.04	6.5	2.6	530
W592230		17.10	0.16	1.4	0.063	2.83	20.1	38.9	0.78	1120	0.95	0.08	7.8	2.7	640



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178062

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W592195		99.4	<0.002	0.26	4.86	9.8	1	2.6	276	0.63	0.10	12.90	0.253	1.25	4.4	72
W592196		139.0	0.002	1.05	13.20	9.3	1	3.3	113.0	0.58	0.28	12.25	0.234	2.03	6.4	70
W592197		100.0	<0.002	0.18	9.72	10.1	2	2.3	257	0.69	0.07	11.80	0.262	1.49	3.7	72
W592198		213	0.011	3.63	41.2	10.1	1	6.1	59.1	0.46	6.07	11.40	0.194	2.82	5.1	71
W592199		118.5	<0.002	0.34	9.47	11.5	1	2.7	216	0.68	0.31	12.70	0.286	1.64	3.4	81
W592200		119.0	<0.002	0.92	7.45	10.6	1	2.4	218	0.65	0.10	11.50	0.257	2.29	3.7	74
W592201		113.0	<0.002	1.20	10.40	10.1	1	2.5	100.5	0.64	0.21	11.90	0.259	2.57	4.0	70
W592202		148.5	0.003	7.90	104.5	7.7	2	10.7	62.7	0.40	0.72	8.81	0.164	2.20	5.3	56
W592203		137.0	<0.002	1.93	18.65	9.7	2	3.7	75.3	0.68	0.24	14.30	0.235	2.76	4.5	66
W592204		127.0	<0.002	1.16	47.9	6.5	1	2.9	40.4	0.49	0.10	10.45	0.189	2.25	10.2	56
W592205		1.5	<0.002	<0.01	0.14	0.2	<1	<0.2	50.7	<0.05	<0.05	0.10	<0.005	<0.02	0.7	3
W592206		103.5	<0.002	0.75	25.0	9.4	1	2.7	137.0	0.58	0.11	12.85	0.249	1.95	6.0	68
W592207		126.0	<0.002	0.63	13.60	10.7	1	3.5	197.5	0.68	0.34	12.30	0.282	2.12	4.8	81
W592208		138.0	<0.002	0.66	14.35	10.9	1	3.9	172.0	0.63	0.34	12.40	0.274	2.18	5.1	79
W592209		78.3	<0.002	0.38	37.2	10.2	1	2.7	133.0	0.77	0.09	14.70	0.266	1.47	4.3	72
W592210		147.0	<0.002	2.18	19.30	9.1	1	3.3	85.1	0.64	0.17	12.50	0.217	2.56	6.4	62
W592211		119.5	<0.002	0.64	11.50	9.7	1	2.2	284	0.56	0.09	10.55	0.255	2.00	3.6	70
W592212		97.4	<0.002	0.55	35.4	10.1	1	2.4	126.0	0.63	<0.05	11.50	0.262	1.78	4.6	74
W592213		105.5	<0.002	0.30	29.8	9.7	1	2.2	184.5	0.78	0.05	12.60	0.255	1.51	5.0	69
W592214		135.5	<0.002	1.09	13.10	10.3	1	2.9	199.5	0.67	0.10	12.70	0.251	2.14	4.5	73
W592215		176.5	<0.002	4.98	32.2	9.1	1	10.0	33.8	0.48	0.37	11.50	0.197	2.92	4.6	66
W592216		163.5	0.002	4.81	30.2	8.5	1	9.2	31.8	0.45	0.35	10.80	0.188	2.79	4.8	62
W592217		127.5	<0.002	1.14	62.2	10.9	1	3.9	89.8	0.63	0.23	12.15	0.262	2.64	7.9	77
W592218		133.5	<0.002	0.02	5.96	12.7	1	1.8	138.0	1.03	<0.05	12.30	0.297	1.59	3.9	88
W592219		112.5	<0.002	0.01	4.71	12.0	1	1.6	99.5	0.78	<0.05	13.65	0.281	1.26	2.6	80
W592220		101.5	<0.002	0.01	3.80	11.9	1	1.6	153.5	0.75	<0.05	13.95	0.282	1.07	2.1	80
W592221		0.9	<0.002	<0.01	0.06	0.2	1	<0.2	47.0	<0.05	<0.05	0.08	<0.005	<0.02	0.5	3
W592222		137.0	<0.002	0.27	6.47	10.3	1	2.2	249	0.69	<0.05	13.00	0.274	1.88	4.9	79
W592223		125.5	<0.002	0.52	42.4	8.4	1	1.7	121.0	0.54	<0.05	12.80	0.215	1.95	8.1	63
W592224		98.3	<0.002	0.30	17.50	9.7	1	1.7	117.5	0.61	<0.05	13.05	0.251	2.68	5.7	70
W592225		140.0	0.004	0.57	27.8	8.5	1	1.6	137.0	0.42	<0.05	12.05	0.216	2.37	7.2	61
W592226		77.8	<0.002	0.18	26.7	9.7	1	1.8	157.0	0.54	<0.05	13.50	0.254	2.10	4.4	72
W592227		115.0	<0.002	0.14	15.20	9.6	1	2.2	92.8	0.59	<0.05	13.70	0.264	1.85	3.9	71
W592228		161.5	<0.002	4.65	91.3	7.1	1	8.0	89.0	0.45	0.34	10.40	0.175	2.45	5.4	55
W592229		141.5	<0.002	0.23	27.8	9.3	<1	1.7	107.0	0.52	<0.05	13.85	0.232	2.32	5.2	70
W592230		80.0	<0.002	0.07	11.25	11.7	1	2.2	124.0	0.56	<0.05	13.30	0.287	1.80	3.2	84



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 21-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17178062

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W592195		1.5	14.7	67	23.6	0.008
W592196		3.4	12.8	111	23.9	0.018
W592197		2.4	15.5	107	24.9	0.024
W592198		3.8	15.1	449	22.2	0.264
W592199		1.9	16.4	93	24.4	0.049
W592200		2.6	14.2	76	23.3	0.018
W592201		2.5	14.3	130	19.8	0.103
W592202		7.2	9.0	3370	22.0	1.730
W592203		3.2	14.6	90	23.7	0.059
W592204		3.0	9.0	242	16.4	0.085
W592205		0.1	0.8	18	<0.5	<0.005
W592206		8.1	12.7	211	18.3	0.040
W592207		3.9	14.8	125	20.8	0.049
W592208		3.9	15.1	185	21.6	0.044
W592209		4.5	14.6	76	23.1	0.051
W592210		3.9	13.5	543	18.6	0.186
W592211		1.9	13.5	109	19.0	0.045
W592212		6.4	13.3	59	21.8	0.050
W592213		7.5	14.7	49	22.6	0.027
W592214		1.9	14.8	76	20.1	0.043
W592215		7.0	9.2	1270	16.3	0.427
W592216		6.5	8.5	1210	15.5	0.398
W592217		3.6	14.5	254	20.5	0.115
W592218		2.1	21.1	67	33.5	0.007
W592219		2.8	14.4	66	34.8	<0.005
W592220		3.1	14.2	69	34.8	<0.005
W592221		0.1	0.8	16	<0.5	<0.005
W592222		3.1	16.3	92	38.1	0.156
W592223		5.5	15.8	157	32.7	0.029
W592224		4.1	14.7	66	36.1	<0.005
W592225		3.5	13.2	244	29.2	0.014
W592226		5.7	13.5	93	41.2	<0.005
W592227		6.1	13.9	68	37.6	<0.005
W592228		5.2	9.0	5410	25.0	2.32
W592229		4.7	15.7	103	33.3	<0.005
W592230		3.8	15.8	68	37.4	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178062

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
SPL-21	SPL-21d	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-SEP-2017
Account: ROCKHA

CERTIFICATE WH17178065

Project: Klaza

P.O. No.: 17-124

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-SEP-2017
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CERTIFICATE OF ANALYSIS WH17178065

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Zn-OG62 Zn %	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	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
W592159		12.20			0.09	7.59	13.8	2010	1.49	0.13	2.44	0.08	48.9	7.1	16	19.10
W592160		2.52			0.09	7.28	30.2	1170	1.40	0.14	3.68	0.10	49.1	9.9	9	28.2
W592161		6.02			0.10	7.00	20.4	1100	1.61	0.10	2.33	0.07	51.8	8.6	12	19.35
W592162		9.96			0.10	7.84	9.5	1910	1.59	0.15	2.76	0.07	52.7	8.1	15	12.70
W592163		0.26	119	1.620	>100	5.44	8420	170	1.22	64.3	1.94	230	35.3	8.8	18	10.80
W592164		4.78			0.34	7.77	15.1	2090	1.68	0.18	2.42	0.42	53.2	7.9	13	17.05
W592165		7.26			0.10	7.69	11.1	2000	1.46	0.09	2.33	0.19	50.8	7.4	11	15.55
W592166		4.54			0.30	7.17	40.5	1260	1.40	0.16	1.50	0.45	44.7	6.6	12	19.45
W592167		4.11			0.38	6.59	153.5	510	1.40	0.31	2.46	0.86	61.5	8.4	10	15.25
W592168		<0.02			0.41	6.74	158.0	510	1.33	0.33	2.53	1.05	62.3	8.7	13	15.95
W592169		3.74			0.33	7.06	63.3	370	1.45	0.17	3.37	0.93	50.3	7.7	12	19.00
W592170		3.07			0.20	7.73	18.9	1940	1.59	0.18	3.03	0.24	51.0	8.1	12	28.0
W592171		6.92			0.22	7.75	24.9	1340	1.73	0.27	3.28	0.23	58.5	7.3	23	14.90
W592172		4.56			0.12	7.28	21.9	1500	1.67	0.17	3.23	0.14	53.1	6.5	16	17.40
W592173		9.06			6.30	7.12	26.3	1480	1.62	12.80	2.93	0.65	51.4	7.2	14	14.50
W592174		3.47			8.36	7.00	28.3	1590	1.56	17.40	3.25	0.92	52.9	8.8	14	12.65
W592175		3.09			17.65	6.33	677	800	1.51	3.05	3.01	9.46	46.4	7.6	13	12.20
W592176		3.80			0.22	6.89	18.7	1450	2.02	0.25	2.37	0.13	41.4	7.1	15	25.5
W592177		5.91			0.05	0.06	1.5	30	0.05	0.04	21.5	0.10	1.17	0.6	<1	0.17
W592178		2.72			0.44	5.75	101.0	2240	1.43	0.28	2.95	0.86	41.0	6.9	9	26.5
W592179		7.33			0.33	7.90	56.2	1920	1.52	0.18	1.85	0.63	46.8	9.1	14	19.70
W592180		2.13			20.5	5.83	1400	320	1.29	1.64	4.00	70.0	38.8	12.0	10	13.25
W592181		0.99			46.2	5.38	2230	190	1.13	2.20	4.55	67.2	33.5	12.1	10	11.35
W592182		3.07			0.42	7.41	27.6	2770	1.45	0.33	2.73	0.66	52.4	7.3	14	23.3
W592183		4.39			1.21	7.34	75.8	1900	1.49	0.78	3.12	3.55	48.0	8.8	13	16.80
W592184		4.10			0.42	7.07	109.0	510	1.41	0.22	3.22	7.39	51.5	7.9	12	21.4
W592185		0.26			39.9	5.84	2520	980	1.08	35.9	1.65	45.2	38.0	15.0	21	9.05
W592186		7.67			0.82	7.34	91.6	970	1.50	0.83	2.49	1.90	52.8	9.0	12	25.7
W592187		8.68			0.40	7.04	36.5	2210	1.96	0.13	2.99	0.46	67.2	7.1	22	29.7
W592188		1.86			58.8	4.51	1935	140	1.23	9.97	4.92	135.5	31.4	16.2	9	12.75
W592189		3.38			7.82	6.13	269	550	1.23	1.44	3.33	6.73	39.5	24.4	10	11.05
W592190		4.59			0.27	7.40	27.4	1320	1.49	0.38	3.27	0.51	53.7	8.3	11	17.75
W592191		6.29			0.03	0.06	1.3	40	0.05	0.01	20.9	0.09	1.25	0.7	<1	0.20
W592192		2.33			0.29	6.97	11.1	2320	1.48	1.23	3.79	0.19	58.5	6.8	7	38.4
W592193		2.08			10.25	6.53	205	280	1.39	20.8	2.30	0.88	46.3	8.6	9	18.30
W592194		9.38			0.15	7.00	12.3	2180	1.40	0.64	3.06	0.30	47.7	7.1	17	18.30



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178065

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
W592159		7.0	3.02	17.10	0.09	1.1	0.040	2.81	24.6	142.5	0.60	693	7.61	1.02	7.7	3.0
W592160		10.7	3.34	15.95	0.10	1.0	0.042	2.64	27.5	192.5	0.98	1440	1.73	0.07	6.4	3.2
W592161		7.4	2.70	15.25	0.11	1.2	0.042	2.51	27.4	226	0.70	1080	1.44	0.52	7.8	3.1
W592162		5.6	3.54	16.55	0.09	1.2	0.052	2.81	28.6	18.8	0.84	952	1.40	1.96	7.5	2.8
W592163		1290	8.22	13.10	0.08	1.0	4.79	2.37	17.6	30.8	0.64	3120	15.60	0.08	5.3	14.6
W592164		25.0	3.11	17.00	0.11	1.2	0.053	2.83	27.6	19.9	0.86	761	1.68	1.26	8.2	3.3
W592165		9.2	3.16	16.25	0.11	1.0	0.043	3.12	27.2	44.6	0.79	1060	0.81	0.70	7.5	2.6
W592166		8.0	2.94	16.05	0.11	1.1	0.037	2.86	22.2	43.7	0.52	1560	1.28	0.08	7.2	2.4
W592167		6.1	2.98	14.10	0.11	0.9	0.053	2.17	34.3	127.5	0.92	2120	0.85	0.02	6.0	3.0
W592168		6.4	3.06	14.50	0.13	1.0	0.059	2.23	35.2	133.5	0.95	2230	1.03	0.02	6.3	3.1
W592169		9.9	2.98	14.65	0.08	1.0	0.036	2.11	27.9	399	1.16	2160	1.50	0.02	6.6	3.1
W592170		11.5	3.35	17.25	0.11	1.2	0.043	3.14	25.0	49.3	0.85	1220	1.36	1.20	8.1	3.0
W592171		9.6	3.24	16.70	0.11	1.2	0.058	2.99	32.6	48.8	0.98	1460	3.19	0.53	7.7	3.7
W592172		4.9	3.16	17.00	0.11	1.5	0.048	3.07	26.9	49.2	0.78	1140	1.08	0.41	8.0	3.4
W592173		28.8	3.21	15.45	0.12	0.9	0.051	2.63	28.1	27.2	1.05	1740	1.09	0.27	6.1	2.8
W592174		35.8	3.49	15.45	0.10	1.0	0.043	2.61	29.0	26.3	1.12	1920	1.44	0.31	6.2	3.2
W592175		81.1	4.23	13.90	0.09	0.9	0.209	2.71	25.9	53.0	0.89	9940	1.56	0.03	5.7	2.9
W592176		5.4	3.03	15.50	0.09	1.4	0.083	3.38	20.1	28.2	0.83	1370	1.65	0.05	8.3	2.6
W592177		1.8	0.49	0.22	0.15	<0.1	<0.005	0.02	0.6	1.2	13.50	225	0.16	<0.01	0.1	2.6
W592178		15.3	2.99	12.35	0.09	0.8	0.045	2.29	23.0	110.0	0.92	1680	0.94	0.04	5.5	2.5
W592179		11.7	3.27	18.25	0.12	1.3	0.046	2.81	22.3	39.9	0.70	1140	1.56	0.20	8.5	3.2
W592180		248	4.54	12.10	0.06	0.8	0.236	1.80	21.2	309	1.00	3640	4.66	0.02	5.5	4.5
W592181		825	5.45	11.15	0.08	0.8	0.266	1.64	15.5	325	1.21	3690	5.18	0.02	5.1	4.6
W592182		9.8	3.14	16.15	0.11	1.1	0.046	2.79	29.1	191.0	0.95	1440	5.28	0.05	7.3	2.8
W592183		23.0	3.95	15.75	0.10	0.9	0.101	3.18	26.6	30.9	1.18	3310	1.09	0.03	6.6	3.1
W592184		22.3	3.20	14.50	0.13	1.0	0.059	2.69	28.9	36.7	1.16	2460	1.50	0.03	6.3	2.9
W592185		1175	9.15	13.50	0.10	0.7	1.540	2.67	17.5	15.4	0.69	2320	17.40	0.06	4.4	15.0
W592186		18.1	3.50	15.65	0.10	1.0	0.065	2.70	28.6	83.5	0.86	1970	2.19	0.04	6.9	3.2
W592187		7.8	2.96	16.40	0.11	3.3	0.036	1.99	35.4	131.0	1.24	1640	1.64	0.04	9.1	8.3
W592188		422	4.90	10.90	0.06	1.1	0.590	1.83	13.6	17.9	1.42	2710	2.67	0.02	4.6	4.8
W592189		67.4	4.13	13.35	0.08	0.8	0.137	2.67	20.6	18.6	1.18	2850	2.90	0.03	5.4	5.2
W592190		7.6	3.31	15.55	0.10	1.0	0.050	2.90	29.2	45.2	1.11	1380	0.75	0.03	7.2	3.0
W592191		1.8	0.48	0.25	0.13	<0.1	0.006	0.03	0.6	1.3	13.30	216	0.11	<0.01	0.2	2.5
W592192		17.3	2.93	15.75	0.13	1.0	0.061	2.59	31.9	22.2	0.81	596	1.84	0.38	7.2	2.5
W592193		225	5.57	15.15	0.08	0.8	0.183	2.74	24.1	15.1	0.77	601	5.96	0.08	5.3	3.5
W592194		23.9	3.06	15.55	0.20	1.0	0.050	2.65	23.2	11.3	0.67	552	1.45	1.82	7.2	3.0



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 23-SEP-2017
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CERTIFICATE OF ANALYSIS WH17178065

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005
W592159		660	16.1	103.5	<0.002	0.06	10.30	10.9	1	1.6	280	0.61	<0.05	11.60	0.285
W592160		540	13.7	135.5	<0.002	0.39	22.4	9.2	1	2.0	109.0	0.54	<0.05	11.20	0.240
W592161		560	14.6	122.5	<0.002	0.26	11.85	9.6	1	1.5	102.5	0.73	<0.05	14.00	0.245
W592162		620	16.3	126.5	<0.002	0.32	3.64	10.5	2	1.6	302	0.67	<0.05	13.60	0.268
W592163		470	9920	135.0	<0.002	7.10	225	6.8	1	8.9	122.0	0.40	0.81	7.78	0.186
W592164		670	29.0	122.0	<0.002	0.03	7.28	11.4	<1	2.7	217	0.70	<0.05	13.75	0.282
W592165		640	17.0	140.0	<0.002	0.06	9.94	11.0	<1	1.8	178.5	0.62	<0.05	12.90	0.277
W592166		600	35.2	117.5	<0.002	0.34	20.7	10.1	<1	1.6	82.1	0.59	<0.05	12.50	0.259
W592167		520	63.0	114.5	<0.002	0.50	24.7	8.7	1	2.5	98.8	0.52	<0.05	11.60	0.220
W592168		550	68.8	119.5	<0.002	0.53	26.2	9.2	1	2.5	93.2	0.56	<0.05	11.90	0.230
W592169		580	46.2	107.5	<0.002	0.34	35.0	9.5	1	1.7	149.0	0.58	<0.05	11.65	0.241
W592170		700	29.9	132.5	<0.002	0.09	8.64	12.1	1	1.9	271	0.67	<0.05	12.20	0.298
W592171		660	17.8	156.5	<0.002	0.18	10.65	10.7	1	1.8	167.0	0.67	<0.05	13.95	0.274
W592172		700	23.8	143.0	<0.002	0.12	10.90	10.4	1	1.7	168.5	0.66	<0.05	12.05	0.282
W592173		560	67.2	154.0	<0.002	0.18	16.60	9.9	2	2.3	101.5	0.50	0.39	11.50	0.223
W592174		570	101.5	145.5	<0.002	0.20	13.40	10.3	2	3.3	114.0	0.52	0.54	11.70	0.227
W592175		490	1555	158.5	<0.002	1.16	74.1	8.5	1	4.9	86.9	0.48	<0.05	9.23	0.214
W592176		620	12.9	152.5	<0.002	0.18	41.3	11.1	1	1.7	59.7	0.94	<0.05	11.45	0.277
W592177		200	3.9	1.4	<0.002	<0.01	0.25	0.2	1	<0.2	49.8	<0.05	<0.05	0.12	<0.005
W592178		440	66.7	130.0	<0.002	0.35	50.3	8.2	1	2.3	108.5	0.50	<0.05	9.49	0.194
W592179		690	43.7	116.5	<0.002	0.14	13.95	11.7	2	2.3	131.5	0.71	<0.05	12.50	0.298
W592180		470	1080	98.4	0.003	1.67	127.0	8.6	<1	2.6	134.0	0.45	<0.05	8.75	0.200
W592181		440	1340	90.5	0.002	2.35	322	7.9	1	2.6	156.5	0.41	0.05	7.46	0.182
W592182		640	40.5	141.0	<0.002	0.20	18.25	10.3	1	1.8	149.0	0.59	<0.05	11.80	0.264
W592183		590	79.2	188.5	<0.002	0.46	16.60	9.7	<1	2.5	104.0	0.54	<0.05	10.65	0.250
W592184		570	69.5	153.5	<0.002	0.25	16.65	9.5	1	2.7	165.0	0.53	<0.05	11.60	0.244
W592185		460	1660	147.0	0.003	7.85	108.5	7.2	2	10.9	63.4	0.35	0.79	7.84	0.170
W592186		630	83.6	128.0	<0.002	0.79	19.15	10.3	1	2.2	126.5	0.56	0.06	11.75	0.266
W592187		1350	31.1	104.0	<0.002	0.21	29.6	6.4	1	1.3	604	0.63	<0.05	7.56	0.349
W592188		530	7910	109.0	<0.002	4.08	171.0	5.4	1	5.9	229	0.35	0.34	5.82	0.160
W592189		450	1105	150.5	<0.002	2.29	43.8	7.8	1	2.9	178.5	0.46	0.57	9.45	0.205
W592190		610	53.3	156.5	<0.002	0.22	10.55	10.3	<1	1.6	131.0	0.60	<0.05	12.75	0.266
W592191		190	3.2	1.6	<0.002	<0.01	0.16	0.2	<1	<0.2	48.6	<0.05	<0.05	0.13	<0.005
W592192		580	21.4	115.5	<0.002	0.37	10.60	9.6	1	2.4	195.0	0.61	0.17	12.65	0.245
W592193		500	122.5	147.5	<0.002	4.49	41.5	8.3	1	10.0	73.8	0.43	0.72	9.87	0.191
W592194		630	20.3	94.8	<0.002	0.10	4.23	9.4	<1	2.1	350	0.58	0.06	11.15	0.260



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH17178065

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	Au-AA24 Au ppm 0.005
W592159		4.8	81	3.6	15.4	57	28.6	<0.005
W592160		4.7	74	1.7	14.9	60	28.0	0.008
W592161		6.9	65	1.4	13.3	56	29.1	<0.005
W592162		3.3	74	2.6	14.8	64	29.0	<0.005
W592163		5.0	52	4.4	8.8	>10000	31.0	4.33
W592164		3.3	78	2.4	17.1	68	31.7	<0.005
W592165		3.8	77	2.3	14.7	70	27.7	<0.005
W592166		3.3	72	3.0	12.6	83	29.1	0.008
W592167		7.2	70	3.4	12.5	140	24.9	0.021
W592168		7.5	71	3.5	13.4	156	25.1	0.024
W592169		9.2	69	6.5	15.0	141	26.0	0.007
W592170		3.7	88	4.2	17.3	76	30.5	<0.005
W592171		6.5	76	2.1	15.7	92	31.0	<0.005
W592172		4.7	75	1.8	14.7	88	48.3	<0.005
W592173		6.3	69	2.6	12.6	150	25.0	<0.005
W592174		6.9	70	2.7	13.6	178	25.3	0.005
W592175		4.1	64	2.1	14.3	894	21.5	0.164
W592176		6.5	77	2.7	13.0	58	31.1	<0.005
W592177		1.0	2	0.1	0.8	16	<0.5	0.005
W592178		5.0	64	3.2	14.3	119	20.1	0.006
W592179		3.8	83	6.2	15.2	105	32.1	0.006
W592180		15.2	64	2.9	18.0	3990	20.7	0.359
W592181		16.8	66	2.9	15.1	4080	21.1	0.668
W592182		6.5	74	6.5	15.9	99	28.7	<0.005
W592183		4.5	71	3.7	13.6	1040	22.1	0.039
W592184		6.2	67	2.9	14.1	2160	24.4	0.016
W592185		4.9	56	6.8	8.7	3390	21.4	1.795
W592186		12.4	78	3.0	14.6	486	25.0	0.044
W592187		9.2	70	5.9	13.2	166	152.0	<0.005
W592188		4.5	42	3.6	8.4	8830	39.9	1.475
W592189		4.2	57	3.2	9.3	572	20.9	0.203
W592190		6.1	73	1.5	14.4	89	25.5	0.009
W592191		0.6	2	0.1	0.8	17	<0.5	<0.005
W592192		6.1	69	3.6	18.9	52	24.6	0.011
W592193		5.0	60	4.3	12.9	98	21.3	1.605
W592194		3.0	72	1.1	14.5	58	25.3	0.010



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17178065

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-SEP-2017
Account: ROCKHA

CERTIFICATE WH17178072

Project: Klaza

P.O. No.: 17-125

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	ICP-AES
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
As-OG62	Ore Grade As - Four Acid	ICP-AES

To: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178072

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-GR422 Au ppm	Ag-OG62 Ag ppm	Cu-OG62 Cu %	Pb-OG62 Pb %	Ag-GR421 Ag ppm	Zn-OG62 Zn %	As-OG62 As %	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 %
		0.02	0.05	1	0.001	0.001	5	0.001	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01
V341939		1.43						3.69	1.380	52.7	5.12	>10000	1910	1.05	0.33	3.15
V341940		2.28		120		2.61		4.10	2.33	>100	4.82	>10000	300	0.99	0.23	4.32
V341941		2.73						2.70		97.6	3.37	1980	190	0.86	31.8	0.91
V341942		2.83	29.9	265		1.380		3.51	11.75	>100	1.08	>10000	90	0.27	315	0.97
V341943		3.05								21.5	5.11	975	90	0.73	7.85	0.78
V341944		2.63						2.38		80.7	4.38	8520	210	0.93	1.03	0.56
V341945		<0.02						2.34		88.4	4.39	8340	150	0.89	1.02	0.56
V341946		4.32						26.0		4.06		765	1520	1.14	0.35	2.15
V341947		0.26						38.3		5.69		2580	70	1.23	35.6	1.65
V341948		0.99	17.60	>1500		3.62	1520	2.86	2.97	>100	3.40	>10000	180	0.84	0.40	3.39
V341949		1.99		163						>100	6.82	6050	500	1.59	0.77	1.94
V341950		1.47		158		1.450		2.89		>100	1.26	5930	150	0.35	50.2	0.79
W599001		1.81								7.31	6.46	519	390	1.36	1.13	0.68
W599002		3.72	12.70			1.040		4.10		93.1	0.78	4660	60	0.23	33.1	1.77
W599003		5.35						0.996		81.3	3.96	3050	720	0.64	47.8	1.34
W599004		4.94	35.0	457	1.680	3.42		3.65	5.52	>100	1.09	>10000	2270	0.21	758	0.53
W599005		0.12	14.20	127	2.85	2.45		14.90		>100	4.56	169.5	650	0.31	1.83	2.06
W599006		2.39	12.25	458		9.96		3.26	1.705	>100	0.97	>10000	40	0.24	33.5	0.46
W599007		3.55						16.90		5.14		5260	350	1.39	1.23	1.60
W599008		5.98						0.18		0.06		4.6	30	0.09	0.13	20.7
W599009		2.02								40.9	3.93	6720	200	0.74	0.35	6.89
W599010		2.67								6.06	4.99	512	410	1.23	1.32	2.33
W599011		1.84								41.9	6.55	1875	740	1.89	11.80	2.99
W599012		2.85								5.83	3.19	480	1350	1.20	0.16	5.90
W599013		2.41		129		1.845		1.400		>100	4.38	5700	1660	0.77	10.05	2.37
W599014		1.71				1.930		1.065		97.3	4.90	2430	130	1.72	6.52	2.22
W599015		3.43								40.6	7.94	2610	1510	1.84	1.07	0.13
W599016		<0.02								52.7	7.71	3080	1470	1.68	1.09	0.14
W599017		6.87	11.95	958		1.965			1.420	>100	4.21	>10000	450	0.73	2.33	0.03
W599018		4.31								4.08	8.29	363	2080	1.52	0.94	0.49
W599019		2.16		131						>100	5.13	4910	820	1.08	2.08	0.83
W599020		6.02								0.51	0.06	7.5	30	0.05	0.04	21.8
W599021		2.71		658		12.10		4.07		>100	1.09	6730	130	0.38	7.40	0.52
W599022		3.02				1.355				52.7	0.51	2150	80	0.08	33.4	0.20
W599023		4.93	9.81	248						>100	0.67	5000	50	0.07	574	0.17
W599024		1.27								16.55	4.51	884	560	1.41	25.3	5.17



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178072

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
		Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.02	0.01	0.1	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2
V341939		598	37.5	12.9	6	9.84	163.0	6.88	11.65	0.07	0.7	0.928	2.33	18.5	19.8
V341940		709	35.5	6.5	5	6.50	582	6.65	11.30	0.07	0.6	0.320	2.26	18.1	14.2
V341941		238	14.55	22.6	7	11.75	3540	8.73	9.65	0.06	0.4	5.15	1.45	7.6	17.0
V341942		302	5.27	6.3	6	1.64	1520	18.15	4.45	0.05	0.1	5.08	0.47	2.4	14.4
V341943		92.0	46.2	26.5	10	5.39	321	8.71	16.05	0.07	0.6	1.170	2.47	22.5	10.0
V341944		257	21.6	42.9	21	12.85	271	7.23	11.30	0.05	1.4	0.911	1.83	9.8	27.1
V341945		260	21.3	44.4	21	12.70	285	7.24	11.40	0.07	1.4	0.875	1.84	9.9	28.7
V341946		3.59	30.8	4.2	11	12.55	60.4	2.69	9.55	0.05	0.6	0.041	1.79	15.4	71.3
V341947		44.2	36.5	16.0	22	9.50	1195	9.30	14.15	0.07	0.7	1.535	2.66	16.6	15.7
V341948		530	24.2	1.0	6	9.65	895	6.13	11.95	0.05	0.5	0.832	1.52	11.4	21.0
V341949		93.9	51.1	6.1	7	15.25	111.0	3.84	15.50	0.07	1.2	0.081	2.51	28.1	43.6
V341950		245	33.9	125.0	4	2.92	662	16.50	5.01	0.08	0.1	4.47	0.55	20.2	20.2
W599001		21.3	47.1	8.4	8	8.56	35.9	5.03	14.90	0.06	0.7	0.289	3.02	25.8	11.4
W599002		399	14.95	86.0	5	1.75	292	16.15	3.29	0.05	0.1	3.99	0.33	7.6	18.6
W599003		93.9	30.6	221	8	4.93	197.0	13.75	11.05	0.06	0.4	1.555	1.89	14.1	10.1
W599004		474	3.75	19.9	5	1.61	>10000	26.9	3.52	0.07	0.2	7.25	0.48	1.3	5.5
W599005		845	18.50	60.9	46	1.27	>10000	9.62	15.35	0.17	0.6	3.08	0.83	8.6	4.1
W599006		299	14.85	1.5	7	1.25	2460	9.89	3.85	<0.05	0.1	7.26	0.41	5.6	11.2
W599007		127.0	34.9	8.6	6	19.00	108.5	3.51	12.15	<0.05	0.8	0.296	2.29	17.7	32.7
W599008		0.16	1.31	0.8	1	0.19	6.4	0.47	0.23	<0.05	<0.1	0.008	0.02	0.6	1.2
W599009		53.5	36.4	6.7	4	10.05	103.5	8.04	8.72	0.06	0.5	0.840	1.80	17.2	24.5
W599010		9.98	47.3	10.8	9	19.05	76.7	3.27	11.80	0.05	1.3	0.255	1.51	25.7	55.8
W599011		80.0	56.3	20.5	10	18.75	244	5.81	16.20	0.07	1.9	0.475	2.68	29.1	13.0
W599012		35.9	25.5	6.3	6	12.30	36.1	3.58	7.62	<0.05	0.6	0.138	1.29	12.4	28.4
W599013		184.5	33.7	7.6	6	5.65	488	10.15	11.40	0.07	0.7	1.220	1.85	16.3	10.4
W599014		163.5	44.2	36.9	10	23.0	345	4.98	12.55	0.06	1.7	0.484	1.66	22.7	31.2
W599015		57.1	52.6	43.0	7	17.20	132.0	5.25	17.85	0.06	1.2	0.164	3.53	28.7	90.3
W599016		57.9	50.5	37.8	8	17.35	149.5	5.41	17.25	0.08	1.2	0.161	3.52	27.6	77.9
W599017		38.8	30.5	2.7	10	13.55	429	4.96	11.20	0.05	0.9	0.408	1.85	15.0	34.5
W599018		11.30	53.4	21.3	9	15.90	61.2	3.80	16.75	0.13	1.1	0.123	3.76	27.6	28.4
W599019		128.5	37.1	8.9	7	12.05	243	5.61	11.95	0.06	0.7	0.186	2.52	19.2	25.7
W599020		0.22	1.19	0.8	1	0.16	3.6	0.51	0.18	0.07	<0.1	0.005	0.02	0.6	0.7
W599021		605	6.32	598	4	3.48	1390	20.4	3.99	0.07	0.2	0.901	0.45	2.4	8.4
W599022		27.7	1.84	896	4	0.34	756	33.6	2.01	0.08	<0.1	1.115	0.23	1.0	6.4
W599023		65.4	5.25	343	5	0.67	3490	35.1	2.80	0.07	0.1	4.99	0.32	3.0	5.0
W599024		51.8	35.6	9.1	6	15.25	241	4.03	9.52	0.09	0.7	0.065	1.57	19.1	47.1



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178072

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
		Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn
		ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2
V341939		5050	13.75	0.02	4.8	3.5	360	7200	138.0	<0.002	7.26	374	6.1	1	5.3
V341940		7320	31.1	0.02	4.7	3.0	360	>10000	151.5	0.002	6.47	683	5.9	1	6.8
V341941		8270	18.00	0.02	3.0	4.1	230	6050	89.6	0.002	8.25	706	5.0	1	7.2
V341942		14350	5.12	0.01	1.0	2.1	70	>10000	26.3	<0.002	>10.0	995	1.5	4	13.8
V341943		6940	3.86	0.02	4.7	3.2	440	1825	138.5	<0.002	8.37	107.5	7.3	<1	9.9
V341944		893	52.3	0.04	3.5	5.0	400	9190	115.0	0.004	8.36	199.0	9.2	1	6.2
V341945		877	51.6	0.04	3.6	5.1	410	9460	115.5	0.003	8.42	210	9.3	<1	6.2
V341946		12300	1.95	0.02	3.6	2.6	270	347	93.3	<0.002	0.48	140.0	6.0	1	3.2
V341947		2350	17.25	0.06	4.6	14.7	470	1685	141.5	<0.002	7.92	114.0	7.8	2	11.1
V341948		4260	4.45	0.02	3.1	1.1	150	>10000	81.6	<0.002	5.38	4370	4.1	1	58.9
V341949		2630	3.91	0.03	7.0	2.8	500	1820	120.0	<0.002	2.50	255	9.3	1	10.5
V341950		38400	141.5	0.01	0.9	5.5	80	>10000	31.7	0.014	8.87	438	2.5	3	5.0
W599001		4350	6.64	0.02	5.9	2.9	510	903	190.0	<0.002	4.27	36.2	9.0	1	5.2
W599002		24300	31.8	0.01	0.4	3.5	40	>10000	21.7	0.008	>10.0	202	1.7	3	4.5
W599003		15000	10.70	0.02	3.3	5.2	280	9780	111.5	0.007	9.77	143.0	5.9	2	6.3
W599004		788	6.33	0.01	1.0	1.1	70	>10000	27.5	<0.002	>10.0	953	1.5	4	27.4
W599005		1650	157.5	1.11	1.9	18.7	570	>10000	25.8	0.066	>10.0	182.5	9.7	9	19.0
W599006		23200	2.05	0.01	0.8	1.0	60	>10000	21.1	<0.002	7.10	1315	1.8	1	12.5
W599007		3380	34.1	0.02	4.8	3.5	410	2350	136.0	0.002	2.65	141.5	7.5	1	6.2
W599008		212	0.12	0.01	0.2	1.9	170	11.3	1.4	<0.002	<0.01	0.37	0.2	<1	<0.2
W599009		18750	1.06	0.03	3.6	2.3	300	6810	105.5	<0.002	2.25	111.5	5.6	1	2.4
W599010		2180	2.13	0.03	6.1	5.2	560	660	94.3	<0.002	1.46	78.1	6.3	1	3.1
W599011		2530	2.83	0.03	8.1	4.8	750	5200	152.5	<0.002	4.27	98.9	6.8	1	4.2
W599012		3800	2.70	0.02	3.2	3.0	240	1270	82.6	<0.002	1.17	38.5	4.7	1	2.0
W599013		18850	2.79	0.01	4.2	3.0	330	>10000	105.0	<0.002	8.62	282	6.2	1	9.6
W599014		1880	5.14	0.03	6.1	7.4	360	>10000	91.7	<0.002	4.59	165.0	5.5	1	5.2
W599015		6080	8.22	0.07	7.5	5.4	580	1510	178.5	<0.002	0.46	83.2	10.6	<1	3.2
W599016		5850	8.49	0.07	7.1	5.0	590	1965	177.5	<0.002	0.50	89.9	10.1	1	3.3
W599017		238	71.6	0.02	3.4	1.5	360	>10000	111.0	0.003	1.40	1635	6.0	<1	27.7
W599018		3370	5.12	0.62	7.4	2.9	620	155.0	186.0	<0.002	0.38	46.5	9.8	<1	2.6
W599019		2870	3.95	0.03	4.8	2.1	370	3740	139.5	<0.002	4.37	388	7.0	<1	7.3
W599020		222	0.16	0.01	0.1	1.4	170	20.9	1.1	<0.002	<0.01	1.07	0.2	<1	<0.2
W599021		828	1.96	0.01	0.9	6.0	50	>10000	24.5	0.011	>10.0	1360	1.4	7	21.6
W599022		229	2.80	<0.01	0.2	7.8	10	>10000	11.5	0.012	>10.0	185.5	0.7	10	4.2
W599023		302	6.25	<0.01	0.5	3.4	40	5340	16.9	0.006	>10.0	746	1.0	5	16.6
W599024		4730	7.42	0.02	4.9	3.8	340	385	79.2	<0.002	1.02	137.5	6.4	1	3.2



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 26-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178072

Sample Description	Method Analyte Units LOR	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Ti ppm 0.02	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	Au-AA24 Au ppm 0.005
V341939		0.40	0.35	8.54	0.153	2.03	11.0	41	4.3	9.1	>10000	16.3	4.50
V341940		0.39	<0.05	8.51	0.148	2.21	12.2	41	2.7	9.6	>10000	14.4	6.47
V341941		0.24	0.33	5.18	0.109	1.38	35.3	38	4.5	5.6	>10000	11.9	6.42
V341942		0.08	3.57	1.20	0.034	0.66	0.6	11	2.8	3.8	>10000	3.8	>10.0
V341943		0.38	0.21	7.06	0.185	2.10	12.1	52	14.6	6.8	9900	15.7	0.723
V341944		0.26	0.12	5.04	0.211	1.85	8.5	84	7.0	7.7	>10000	52.5	2.18
V341945		0.25	0.12	4.96	0.211	1.91	8.2	83	6.9	7.9	>10000	52.8	2.14
V341946		0.29	<0.05	6.40	0.122	1.64	3.9	44	6.7	9.8	462	18.7	0.757
V341947		0.39	0.77	8.46	0.170	2.25	4.9	57	7.3	8.5	3390	21.8	1.625
V341948		0.25	<0.05	4.64	0.104	1.82	4.1	28	3.3	5.0	>10000	14.9	>10.0
V341949		0.56	<0.05	12.25	0.224	2.27	5.1	62	5.6	12.5	5870	34.4	2.54
V341950		0.07	2.96	1.49	0.031	1.04	32.8	25	3.2	14.0	>10000	4.3	9.98
W599001		0.45	<0.05	9.07	0.226	2.65	12.3	65	5.4	7.2	2190	19.4	0.371
W599002		<0.05	2.84	0.74	0.013	0.44	20.6	15	1.7	10.9	>10000	2.2	>10.0
W599003		0.23	3.59	5.19	0.119	1.56	5.4	41	7.6	7.0	10000	10.9	3.11
W599004		0.08	4.48	0.94	0.035	0.72	0.9	11	1.0	2.2	>10000	3.6	>10.0
W599005		0.14	0.52	1.77	0.175	7.88	2.1	123	8.0	11.7	>10000	10.6	>10.0
W599006		0.06	0.62	0.94	0.031	0.65	1.2	10	1.3	8.8	>10000	2.5	>10.0
W599007		0.40	0.08	7.32	0.172	2.21	9.4	55	3.4	8.3	7040	20.6	0.881
W599008		<0.05	<0.05	0.08	<0.005	<0.02	0.6	2	0.1	0.8	28	<0.5	0.007
W599009		0.31	<0.05	6.02	0.129	1.63	6.5	40	2.1	15.2	4560	14.3	2.09
W599010		0.43	0.05	7.57	0.192	1.76	10.0	52	3.9	12.3	714	52.5	0.281
W599011		0.59	0.52	9.32	0.235	2.66	6.6	53	4.3	12.1	5590	78.5	0.854
W599012		0.24	<0.05	4.98	0.112	1.60	7.6	40	2.7	10.5	2450	20.7	0.292
W599013		0.33	0.18	6.06	0.147	1.98	3.0	42	4.3	9.9	>10000	19.1	1.665
W599014		0.42	0.86	6.41	0.192	2.09	10.3	50	3.8	8.5	>10000	70.6	1.285
W599015		0.62	0.12	12.45	0.239	2.88	6.5	67	4.0	12.4	3990	36.6	0.927
W599016		0.58	0.14	12.40	0.236	2.93	6.8	65	4.2	11.5	3940	35.4	1.120
W599017		0.28	0.21	8.12	0.132	2.31	25.6	44	7.5	3.5	1220	29.9	>10.0
W599018		0.60	0.10	15.15	0.262	2.86	4.2	73	5.3	10.0	1160	29.3	0.122
W599019		0.39	0.10	7.39	0.169	2.43	6.3	46	4.7	9.2	7540	17.6	1.830
W599020		<0.05	<0.05	0.10	<0.005	<0.02	0.4	2	0.1	0.8	34	<0.5	0.007
W599021		0.07	9.00	1.02	0.032	0.78	3.0	12	3.0	2.2	>10000	4.9	2.60
W599022		<0.05	13.20	0.19	0.006	0.26	2.2	9	5.6	1.4	2730	0.6	2.51
W599023		<0.05	9.75	0.69	0.018	0.34	1.2	9	2.6	1.8	6630	1.8	>10.0
W599024		0.36	0.23	7.54	0.151	1.49	7.4	43	3.9	15.0	2980	17.3	0.112



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Project: Klaza

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 26-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17178072

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-GRA21	Ag-OG62	As-OG62	Au-AA24
	Au-GRA22	Cu-OG62	ME-MS61	ME-OG62
	Pb-OG62	Zn-OG62		



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

CERTIFICATE WH17178077

Project: Klaza

P.O. No.: 17-126

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES

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

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178077

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Ag-OG62 Ag ppm	Zn-OG62 Zn %	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	1	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
W589734		6.44			0.12	7.41	11.9	1870	1.32	0.25	1.58	0.17	44.5	7.4	8	18.85
W589735		3.73			0.46	7.40	66.9	680	1.66	0.29	2.36	0.66	44.6	12.3	7	14.85
W589736		2.15			0.26	7.94	34.1	2360	2.12	0.63	1.33	0.12	50.8	5.8	7	16.20
W589737		1.97			1.45	6.32	926	1740	1.58	0.48	4.05	0.33	42.4	7.6	7	15.20
W589738		0.26	119	1.630	>100	5.51	8410	630	1.23	61.9	1.95	232	33.4	9.6	17	11.35
W589739		7.61			0.18	7.60	18.6	2220	1.83	0.38	2.10	0.23	45.5	6.1	7	18.35
W589740		3.94			0.18	7.37	19.2	2100	1.59	0.39	2.12	0.16	47.4	5.1	7	20.5
W589741		1.87			3.28	6.96	301	2040	1.86	1.11	2.83	0.78	49.0	6.3	8	17.10
W589742		5.47			8.29	7.31	399	470	2.07	1.13	0.51	3.69	52.8	10.9	20	19.65
W589743		7.55			0.31	7.07	22.4	2170	1.85	0.96	2.15	0.12	38.6	4.1	9	13.95
W589744		6.38			0.21	6.47	85.5	2890	1.81	0.68	2.44	0.10	34.6	5.3	7	14.10
W589745		<0.02			0.19	6.62	80.1	2650	2.03	0.74	2.40	0.08	38.8	4.4	6	14.65
W589746		3.29			0.16	7.41	29.4	2910	1.66	0.75	2.36	0.08	42.1	5.5	7	12.60
W589747		4.91			0.15	7.62	8.1	2220	1.87	0.67	2.76	0.21	51.9	7.5	10	11.70
W589748		5.04			0.20	7.06	24.2	2730	1.48	0.50	3.78	0.26	52.0	7.2	7	21.2
W589749		6.01			0.15	0.06	0.2	40	0.06	0.04	20.5	0.06	1.12	1.0	<1	0.14
W589750		9.57			0.17	7.06	14.0	1910	1.57	0.43	2.62	0.17	44.9	6.8	9	19.65
W592651		3.79			0.60	7.04	33.2	2220	1.51	0.37	2.87	5.23	46.7	7.2	8	19.70
W592652		11.46			0.16	7.71	8.0	2280	1.61	0.50	2.70	0.22	51.4	7.1	12	12.25
W592653		0.26			39.1	5.73	2600	160	1.18	35.0	1.66	45.5	34.9	16.4	22	9.91
W592654		9.31			0.23	7.83	10.5	2290	1.72	0.50	2.64	0.33	55.1	7.7	11	9.62
W592655		4.58			0.20	7.75	10.0	2210	1.74	0.62	2.64	0.29	51.3	7.0	10	10.55
W592656		5.40			0.89	7.33	43.2	2150	1.70	0.41	2.73	3.86	49.2	7.4	10	17.80
W592657		2.62			1.19	7.22	55.5	1970	1.79	0.50	2.66	6.00	45.8	7.3	9	18.35
W592658		5.77			0.18	7.72	12.0	2290	1.69	0.39	2.34	0.37	51.0	7.4	9	13.15
W592659		4.39			2.61	6.72	59.1	1660	1.65	0.36	2.93	12.00	43.7	6.8	8	20.6
W592660		3.52			0.22	7.66	13.3	2290	1.72	0.43	2.68	0.32	54.7	7.3	10	8.96
W592661		3.84			4.24	7.09	155.0	1850	1.53	0.65	1.76	0.25	38.8	10.1	8	17.95
W592662		6.49			1.20	6.11	882	770	1.55	0.49	2.39	1.03	42.9	7.1	6	21.4
W592663		6.01			0.08	0.07	<0.2	20	0.06	0.05	20.1	0.06	1.07	0.9	<1	0.17
W592664		3.02			0.35	7.65	35.7	1640	1.57	0.37	2.36	1.05	53.7	7.9	8	16.90
W592665		3.84			0.14	7.20	77.9	2230	1.52	0.43	2.49	0.13	51.2	6.6	9	17.90
W592666		1.96			2.13	7.12	303	2010	1.54	0.99	3.06	4.51	45.8	6.0	8	15.55
W592667		7.31			0.18	7.93	18.5	2190	1.44	0.41	1.36	0.25	52.9	7.8	8	11.30
W592668		7.93			0.28	7.33	8.6	3020	1.70	0.19	3.68	0.13	50.2	7.7	9	13.35
W592669		4.77			0.67	7.56	59.1	1750	1.58	0.17	2.17	1.01	50.5	7.9	10	16.60



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178077

Sample Description	Method Analyte Units LOR	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
W589734		9.6	3.16	15.55	0.21	1.3	0.091	2.75	20.8	78.9	0.63	1040	1.39	0.06	8.4	2.9
W589735		17.5	3.16	15.90	0.20	1.3	0.057	2.47	21.8	78.7	0.79	2470	2.71	0.02	8.3	3.3
W589736		6.6	2.76	16.15	0.26	1.2	0.073	3.26	26.7	21.4	0.21	638	2.18	2.08	8.3	2.3
W589737		23.6	2.99	14.00	0.21	1.1	0.063	2.57	21.7	29.1	0.94	1040	2.39	0.78	7.2	3.6
W589738		1290	8.22	12.80	0.14	0.9	4.60	2.36	16.4	33.1	0.64	3150	16.10	0.08	5.6	14.4
W589739		16.0	2.98	16.30	0.29	1.2	0.047	3.01	22.6	16.5	0.39	539	1.87	1.68	8.3	2.7
W589740		15.8	2.88	15.70	0.25	1.2	0.046	3.01	23.9	42.9	0.33	576	2.40	1.19	7.9	2.6
W589741		111.5	3.31	15.15	0.22	1.3	0.092	3.10	24.9	28.9	0.53	1800	3.22	0.59	8.0	3.3
W589742		64.0	2.53	17.05	0.23	2.7	0.100	2.00	27.6	147.5	0.19	3320	8.55	0.03	8.1	15.3
W589743		6.1	3.01	15.90	0.27	1.2	0.101	2.99	18.3	23.8	0.22	1050	0.41	1.82	8.4	2.6
W589744		4.9	3.05	14.85	0.25	1.2	0.096	2.94	15.5	20.6	0.30	1480	0.60	1.22	8.1	2.5
W589745		3.9	3.04	15.10	0.26	1.2	0.104	2.95	17.7	21.2	0.30	1420	0.54	1.15	8.3	2.4
W589746		2.6	3.04	15.65	0.25	1.2	0.079	3.25	20.9	23.1	0.46	774	0.85	0.95	8.0	2.3
W589747		17.8	3.06	17.00	0.28	1.3	0.043	2.84	25.9	18.6	0.73	720	2.39	2.28	8.9	2.7
W589748		15.6	2.89	14.95	0.28	1.0	0.040	2.70	27.7	135.0	1.04	1340	1.73	0.11	7.4	2.3
W589749		1.7	0.49	0.31	0.33	<0.1	<0.005	0.02	0.6	1.3	12.75	203	0.08	0.01	0.2	1.7
W589750		13.5	2.89	15.40	0.29	1.2	0.042	2.69	21.9	59.9	0.73	792	2.14	1.32	7.9	2.5
W592651		18.5	3.00	16.05	0.28	1.2	0.047	2.96	23.1	42.8	0.89	1340	1.77	0.93	8.2	2.6
W592652		12.6	3.11	16.15	0.29	1.3	0.039	2.73	26.6	18.7	0.76	742	2.93	2.30	8.2	2.7
W592653		1185	9.23	13.55	0.14	0.8	1.565	2.66	17.0	16.5	0.67	2350	17.80	0.06	4.7	14.8
W592654		14.0	3.15	16.35	0.33	1.3	0.044	2.74	29.2	20.8	0.80	858	2.31	2.28	8.3	2.7
W592655		15.7	3.04	16.30	0.28	1.3	0.040	2.85	26.9	16.3	0.76	912	1.66	2.24	8.5	2.5
W592656		15.5	3.07	16.15	0.27	1.3	0.042	3.08	25.3	30.7	0.83	1300	2.16	1.45	8.4	2.7
W592657		17.8	3.01	16.10	0.24	1.3	0.040	3.18	21.7	32.1	0.80	1360	1.70	1.31	8.2	2.7
W592658		12.8	2.98	16.15	0.27	1.3	0.040	2.76	27.1	27.6	0.75	875	1.56	1.63	8.4	2.6
W592659		14.7	3.02	14.80	0.24	1.0	0.053	3.18	22.4	33.2	0.88	5050	1.68	0.54	7.0	2.5
W592660		7.0	3.10	16.70	0.30	1.3	0.042	2.66	28.2	18.9	0.79	871	2.39	2.25	8.3	2.9
W592661		8.3	2.96	16.05	0.26	1.1	0.074	3.39	18.2	52.9	0.55	1640	2.43	0.23	7.9	2.5
W592662		12.7	2.68	13.20	0.22	0.9	0.051	2.42	22.9	66.2	0.82	4000	6.08	0.02	6.5	2.4
W592663		2.1	0.48	0.32	0.31	<0.1	0.010	0.02	0.5	1.4	12.90	205	0.10	<0.01	0.1	1.2
W592664		26.6	2.91	15.80	0.29	1.2	0.062	3.06	27.3	58.8	0.78	1310	1.46	1.07	8.2	2.4
W592665		9.2	3.08	15.40	0.28	1.3	0.091	3.09	27.0	41.3	0.78	915	1.10	1.13	8.0	2.4
W592666		41.1	3.04	14.80	0.28	1.1	0.121	2.77	23.6	25.8	0.93	1080	6.83	1.04	7.2	2.4
W592667		11.4	3.27	16.90	0.25	1.2	0.070	3.07	26.2	29.6	0.53	885	2.15	0.81	8.6	2.6
W592668		9.1	2.98	15.60	0.30	1.3	0.043	2.66	26.1	18.2	0.76	894	0.55	1.45	8.3	2.6
W592669		26.6	3.20	15.40	0.13	1.2	0.059	3.41	29.3	20.4	0.49	1580	2.43	0.92	7.9	7.3



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178077

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
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
W589734		600	12.0	112.0	<0.002	0.14	27.1	10.4	1	1.7	110.0	0.67	<0.05	13.35	0.255	1.60
W589735		590	22.6	114.5	<0.002	0.52	21.4	10.4	1	1.9	177.0	0.72	<0.05	13.55	0.248	2.14
W589736		610	18.1	138.5	<0.002	0.03	9.77	11.1	1	2.0	237	0.66	<0.05	14.50	0.257	1.77
W589737		500	63.6	102.0	<0.002	0.25	15.95	9.0	1	2.0	184.5	0.56	<0.05	11.20	0.219	1.69
W589738		460	9950	136.5	<0.002	7.08	221	7.4	1	8.7	122.5	0.41	0.45	7.84	0.181	2.17
W589739		600	25.1	117.0	<0.002	0.01	6.97	11.1	1	2.2	271	0.63	<0.05	13.05	0.253	1.24
W589740		580	19.6	120.0	<0.002	0.01	9.51	10.6	1	2.2	216	0.63	0.05	13.35	0.243	1.45
W589741		580	126.5	140.0	<0.002	0.34	47.7	10.5	1	2.4	122.5	0.62	<0.05	13.20	0.239	2.21
W589742		590	345	102.0	<0.002	0.19	71.6	7.5	1	2.5	410	0.66	0.07	10.85	0.244	1.80
W589743		580	19.4	120.0	<0.002	0.03	8.67	10.5	1	2.6	173.5	0.68	<0.05	11.20	0.255	1.84
W589744		550	13.4	117.0	<0.002	0.06	9.03	9.4	1	2.3	140.5	0.67	<0.05	9.98	0.236	2.03
W589745		540	11.9	127.5	<0.002	0.05	9.07	10.1	1	2.4	138.0	0.67	<0.05	10.40	0.237	1.98
W589746		570	16.1	121.5	<0.002	0.05	9.15	10.0	1	2.1	137.5	0.65	<0.05	13.90	0.241	1.63
W589747		590	21.6	122.0	<0.002	0.02	2.03	11.8	1	2.3	364	0.70	<0.05	15.15	0.256	1.29
W589748		550	18.3	138.0	<0.002	0.20	18.40	9.9	1	2.2	155.5	0.58	<0.05	14.10	0.226	2.01
W589749		180	1.3	1.0	<0.002	<0.01	0.07	0.2	<1	<0.2	48.6	<0.05	<0.05	0.09	<0.005	<0.02
W589750		570	22.4	108.0	<0.002	0.06	6.59	10.0	1	2.1	251	0.65	<0.05	12.60	0.247	1.58
W592651		580	87.4	121.5	<0.002	0.17	14.00	10.3	1	2.3	209	0.64	<0.05	11.80	0.247	1.83
W592652		600	23.3	115.5	<0.002	0.02	2.03	10.7	1	2.0	375	0.63	<0.05	14.10	0.260	1.21
W592653		460	1670	144.0	0.004	7.90	104.5	8.2	2	11.2	62.5	0.37	0.70	8.27	0.161	2.18
W592654		600	32.5	119.0	<0.002	0.04	2.06	11.2	1	2.0	362	0.65	<0.05	15.30	0.252	1.25
W592655		590	31.5	120.0	<0.002	0.04	2.05	10.7	1	2.1	354	0.68	<0.05	15.40	0.249	1.31
W592656		580	137.0	130.0	<0.002	0.14	6.52	10.5	1	2.3	257	0.67	<0.05	14.00	0.245	1.78
W592657		570	191.5	133.5	<0.002	0.18	7.64	10.1	1	2.5	236	0.68	<0.05	13.55	0.241	1.92
W592658		580	28.2	118.5	<0.002	0.03	7.72	11.0	1	2.1	285	0.70	<0.05	14.50	0.248	1.27
W592659		520	372	138.5	<0.002	0.25	16.25	9.5	<1	2.6	162.5	0.54	<0.05	11.60	0.219	2.31
W592660		570	32.7	115.5	<0.002	0.02	1.99	11.3	1	2.4	368	0.63	<0.05	14.30	0.247	1.16
W592661		610	33.9	134.5	<0.002	0.49	16.60	10.9	1	2.4	107.5	0.58	<0.05	9.79	0.264	2.25
W592662		460	50.4	137.0	<0.002	1.06	36.9	8.6	1	2.4	163.0	0.50	0.05	10.50	0.202	2.46
W592663		180	1.3	1.2	<0.002	<0.01	0.12	0.2	<1	<0.2	46.9	<0.05	<0.05	0.10	<0.005	<0.02
W592664		580	124.0	141.0	<0.002	0.27	12.60	9.9	1	2.4	254	0.68	<0.05	14.80	0.248	1.99
W592665		560	18.2	145.0	<0.002	0.21	10.90	10.1	1	2.2	239	0.64	<0.05	14.40	0.237	1.82
W592666		570	250	131.5	<0.002	0.46	10.75	9.5	1	2.6	267	0.58	0.05	11.60	0.237	1.81
W592667		640	19.2	145.5	<0.002	0.19	12.80	11.3	1	2.7	163.0	0.67	<0.05	14.25	0.265	1.49
W592668		610	18.6	120.5	<0.002	0.09	3.95	11.4	1	2.6	266	0.66	<0.05	13.65	0.266	1.32
W592669		600	57.0	170.5	0.002	0.15	9.71	10.7	1	1.7	184.0	0.65	<0.05	13.45	0.262	2.13



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178077

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	Au-AA24 Au ppm 0.005
W589734		3.7	66	3.4	13.7	61	38.4	<0.005
W589735		4.2	67	3.1	14.4	150	38.2	0.007
W589736		2.8	63	4.0	15.5	56	37.6	<0.005
W589737		4.8	58	3.0	15.8	63	36.9	0.018
W589738		5.0	52	4.3	8.3	>10000	31.3	4.26
W589739		2.4	68	2.0	14.8	59	38.1	<0.005
W589740		3.0	66	1.9	13.8	51	37.2	<0.005
W589741		5.9	63	3.9	15.9	147	40.9	0.085
W589742		9.8	56	6.6	12.9	472	106.0	0.159
W589743		3.1	67	4.4	11.9	63	37.5	0.010
W589744		3.4	63	3.4	11.2	60	36.9	0.007
W589745		3.5	64	3.3	12.0	58	35.3	<0.005
W589746		4.7	64	3.5	13.2	53	38.6	<0.005
W589747		4.0	69	2.1	18.1	56	40.5	<0.005
W589748		7.1	61	4.2	16.7	61	31.6	<0.005
W589749		0.4	2	0.1	0.8	15	<0.5	<0.005
W589750		3.7	67	3.0	15.1	57	35.6	<0.005
W592651		3.9	69	3.3	15.9	317	37.2	<0.005
W592652		3.3	68	3.9	16.7	61	37.6	<0.005
W592653		5.2	56	7.0	8.3	3380	21.5	1.740
W592654		4.1	68	4.0	18.0	75	38.5	<0.005
W592655		4.3	66	4.0	17.5	71	39.8	<0.005
W592656		5.2	66	3.7	16.8	282	40.6	<0.005
W592657		4.9	65	3.7	15.7	413	39.7	0.006
W592658		5.4	66	4.0	17.6	76	40.8	<0.005
W592659		4.8	60	4.7	14.8	792	33.0	<0.005
W592660		3.4	67	4.9	18.6	69	40.0	<0.005
W592661		6.9	71	3.1	12.4	61	32.6	0.040
W592662		6.7	55	4.0	11.2	115	28.4	0.866
W592663		0.6	2	0.1	0.7	14	<0.5	<0.005
W592664		4.7	66	2.9	14.6	125	39.0	0.006
W592665		4.8	65	2.3	15.3	52	39.7	0.022
W592666		4.1	64	4.3	13.9	350	30.2	0.084
W592667		3.4	71	4.4	17.1	68	37.4	0.016
W592668		3.3	72	1.3	15.0	68	38.2	<0.005
W592669		3.3	75	1.4	16.4	131	34.6	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178077

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	BAG-06	CRU-31	CRU-QC	LOG-21
	LOG-21d	LOG-23	PUL-31	PUL-31d
	PUL-QC	SPL-21	SPL-21d	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Ag-OG62	Au-AA24	ME-MS61	ME-OG62
	Zn-OG62			



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

CERTIFICATE WH17178082

Project: Klaza

P.O. No.: 17-128

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN RESOURCES LTD.**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178082

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W592231		2.29	4.76	6.23	605	1040	1.37	0.31	3.07	5.98	43.7	8.0	7	19.90	225	4.15
W592232		11.14	0.51	7.15	64.0	1170	1.58	0.31	2.85	0.68	48.8	8.9	10	18.65	7.0	3.36
W592233		3.43	0.11	7.18	23.5	1050	1.59	0.14	2.42	0.16	52.4	7.1	13	18.45	3.8	3.25
W592234		10.97	0.33	7.78	42.8	630	1.53	0.20	1.72	0.22	52.6	7.5	10	23.9	7.3	2.51
W592235		8.77	0.42	6.81	21.9	5130	1.63	0.35	3.95	0.34	47.5	10.5	9	20.5	7.8	3.53
W592236		0.26	25.4	5.76	3240	850	1.13	18.20	2.16	84.1	42.2	10.6	19	15.45	448	6.59
W592237		7.37	0.25	7.58	28.3	1090	1.61	0.39	2.26	0.21	55.1	7.8	12	21.1	8.0	3.40
W592238		3.93	0.71	7.42	69.4	1390	1.58	0.32	3.02	0.46	50.3	7.3	9	18.40	5.0	3.23
W592239		5.30	1.91	8.50	98.1	2010	1.67	0.24	1.48	1.00	80.9	6.7	15	22.6	12.9	2.07
W592240		6.71	5.03	6.86	284	2030	1.39	0.26	2.65	5.36	47.9	7.0	10	23.4	18.1	3.18
W592241		9.97	0.51	7.43	42.1	2090	1.56	0.29	3.10	0.42	51.3	8.0	10	26.0	35.0	3.31
W592242		5.72	0.27	7.47	22.0	1680	1.64	0.14	2.88	0.42	51.1	7.5	11	27.6	10.7	3.06
W592243		10.87	0.65	7.72	108.5	3050	1.34	0.32	1.77	1.41	52.6	8.1	9	19.65	46.3	3.54
W592244		3.69	1.18	7.37	1190	850	1.50	0.32	1.92	2.46	50.1	7.7	8	20.5	20.3	3.23
W592245		6.13	0.03	0.09	1.9	40	0.06	0.03	21.0	0.07	1.30	0.7	<1	0.27	2.2	0.49
W592246		3.23	2.33	7.27	285	620	1.30	1.65	1.77	7.31	49.9	33.0	8	15.95	30.7	4.28
W592247		4.92	0.54	7.38	95.0	670	1.19	0.58	2.41	2.12	53.9	11.3	8	16.95	18.9	3.52
W592248		4.24	14.10	7.13	187.0	1040	1.44	0.52	2.43	21.3	49.6	7.4	9	17.70	57.2	3.28
W592249		<0.02	10.70	7.10	161.5	1120	1.38	0.51	2.50	19.00	48.9	7.2	8	18.05	44.3	3.16
W592250		6.84	0.36	7.31	23.1	1470	1.87	0.16	2.61	0.35	62.9	6.5	17	24.7	11.5	2.51
W592251		3.10	14.15	4.68	749	280	1.39	3.94	3.10	20.8	41.4	8.2	9	15.85	112.0	3.05
W592252		6.39	0.18	7.32	59.6	3760	1.55	0.27	1.81	0.75	63.3	4.7	14	31.0	9.3	2.08
W592253		2.23	0.92	6.90	81.3	3530	2.07	0.39	2.12	0.78	65.0	7.9	14	42.9	44.8	1.95
W592254		5.93	0.03	0.11	0.5	60	0.05	0.03	20.6	0.06	1.44	0.7	<1	0.57	2.7	0.47
W592255		5.26	0.06	7.35	39.7	2540	1.42	0.09	2.87	0.31	74.9	7.9	29	36.4	9.7	3.30
W592256		9.26	3.88	7.23	346	2660	1.57	0.58	2.75	6.63	56.2	8.0	11	25.8	39.8	3.15
W592257		3.94	0.23	7.28	20.1	1640	1.50	0.48	2.87	0.18	54.2	8.8	10	21.3	6.9	3.38
W592258		12.77	0.13	7.62	7.6	1990	1.48	0.19	2.87	0.15	52.6	7.8	10	14.35	7.6	3.25
W592259		6.61	0.47	6.36	14.3	1790	1.31	0.27	3.45	0.40	43.6	7.5	8	20.2	10.7	3.15
W592260		5.18	0.29	6.94	61.5	1640	1.69	0.39	2.09	1.17	33.4	8.7	10	18.75	20.2	3.32
W592261		0.26	39.9	5.51	2420	70	1.05	35.7	1.63	45.4	34.9	15.7	21	9.69	1160	9.01
W592262		5.60	0.56	6.02	58.9	1600	1.89	0.65	2.44	1.02	27.6	9.4	9	23.0	14.1	3.16
W592263		3.45	0.11	5.48	11.9	1680	1.55	0.43	3.26	0.20	25.7	7.7	9	24.5	5.9	2.96
W592264		2.72	0.16	5.33	10.8	1960	1.49	0.47	2.84	0.20	22.8	7.9	9	24.1	5.8	2.98
W592265		3.74	0.21	6.29	5.6	2650	1.48	0.68	3.09	0.15	32.1	7.0	10	21.3	3.0	3.14
W592266		6.23	0.21	7.18	8.0	2100	1.80	1.09	3.04	0.25	32.7	6.1	9	17.35	3.2	2.95



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178082

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W592231		13.05	0.11	1.1	0.151	2.82	25.3	20.2	0.99	7430	0.93	0.03	6.5	3.3	500
W592232		14.30	0.12	1.3	0.063	2.94	28.5	61.8	1.03	2070	0.76	0.04	7.2	3.0	560
W592233		14.50	0.12	1.3	0.048	2.71	30.2	146.5	1.01	1370	0.81	0.03	7.4	2.8	560
W592234		16.40	0.12	1.3	0.039	2.25	29.9	312	0.68	967	0.85	0.03	7.9	2.6	590
W592235		14.00	0.12	1.3	0.043	2.90	27.9	82.4	1.45	1860	0.73	0.02	7.1	3.3	530
W592236		13.65	0.10	0.9	1.745	2.60	24.2	22.3	0.91	1930	12.70	0.04	5.8	15.4	440
W592237		16.00	0.10	1.4	0.080	2.67	31.8	368	0.97	1440	0.57	0.03	8.4	2.9	660
W592238		15.75	0.11	1.3	0.049	2.66	28.6	374	1.16	2330	0.72	0.03	7.8	3.0	600
W592239		19.80	0.12	2.9	0.038	2.62	44.0	449	0.57	1200	2.60	0.03	13.9	3.3	1010
W592240		14.25	0.12	1.2	0.063	2.43	27.2	106.0	0.91	1960	1.10	0.33	7.0	2.5	550
W592241		15.80	0.11	1.4	0.063	3.00	28.7	30.3	0.87	1740	1.25	1.51	8.0	3.3	630
W592242		15.45	0.12	1.3	0.044	2.58	28.9	52.4	0.93	1280	0.84	1.15	7.8	2.8	590
W592243		15.25	0.12	1.4	0.103	3.02	29.9	38.9	0.78	2440	1.15	0.07	7.8	2.9	600
W592244		15.90	0.11	1.4	0.088	3.47	28.0	32.3	0.66	5710	1.07	0.04	8.0	2.9	590
W592245		0.26	0.10	<0.1	0.005	0.03	0.7	1.1	13.30	222	0.08	<0.01	0.2	1.4	180
W592246		15.65	0.10	1.3	0.106	3.21	29.0	13.9	0.68	5040	0.85	0.02	7.9	3.2	570
W592247		15.55	0.11	1.3	0.082	2.63	31.2	51.0	0.99	2220	0.79	0.03	7.8	2.7	600
W592248		14.90	0.10	1.3	0.160	2.56	28.6	39.6	0.88	2320	1.00	0.03	7.1	2.8	570
W592249		14.65	0.10	1.3	0.144	2.54	28.3	42.8	0.90	2540	0.89	0.03	7.2	2.9	570
W592250		17.50	0.12	3.3	0.034	2.83	35.7	39.0	1.14	1140	2.41	0.03	10.1	5.9	1030
W592251		10.95	0.08	1.7	0.166	1.41	23.5	40.3	1.05	2010	7.56	0.02	6.2	4.2	590
W592252		18.45	0.11	2.5	0.036	1.75	33.0	120.5	0.66	770	1.60	0.02	12.5	2.9	920
W592253		17.35	0.13	2.7	0.042	1.90	34.3	82.8	0.75	797	2.47	0.04	11.7	4.6	1020
W592254		0.32	0.13	<0.1	<0.005	0.04	0.8	1.4	13.05	207	0.26	<0.01	0.2	1.3	190
W592255		17.10	0.14	4.0	0.033	2.42	41.5	87.7	1.29	1060	0.82	0.04	11.2	9.7	1620
W592256		16.20	0.11	1.7	0.121	2.81	32.1	26.2	1.03	4530	2.54	0.03	8.5	3.5	660
W592257		15.95	0.12	1.2	0.067	2.71	30.7	23.1	0.96	1070	0.63	1.04	7.9	3.1	620
W592258		15.80	0.12	1.2	0.048	2.52	30.7	19.2	0.84	934	0.65	1.61	7.9	2.7	650
W592259		13.50	0.09	1.0	0.035	2.06	25.7	43.4	0.86	1340	0.65	0.99	6.6	2.7	510
W592260		16.30	0.09	1.3	0.075	2.78	17.2	46.2	0.25	1800	0.74	0.23	8.2	2.9	610
W592261		12.90	0.10	0.8	1.525	2.54	18.6	14.5	0.66	2340	16.20	0.06	4.5	13.9	450
W592262		15.45	0.08	1.3	0.055	2.47	13.3	92.3	0.18	1820	1.29	0.15	7.9	2.7	590
W592263		15.65	0.07	1.4	0.048	2.23	11.9	59.4	0.18	1200	0.71	0.04	8.1	2.6	510
W592264		15.25	0.07	1.4	0.050	2.15	10.2	62.0	0.15	1280	0.90	0.04	8.0	2.6	540
W592265		15.90	0.09	1.4	0.045	2.48	16.1	26.9	0.20	1280	0.86	0.45	7.7	2.3	560
W592266		16.60	0.09	1.5	0.074	2.22	14.4	12.0	0.22	1160	0.75	2.48	8.3	2.5	580



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178082

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
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W592231		200	<0.002	0.96	67.2	9.3	1	2.4	73.5	0.58	<0.05	10.50	0.218	2.78	5.4	65
W592232		160.0	<0.002	0.84	12.00	10.3	1	1.9	78.8	0.60	<0.05	13.20	0.248	2.35	7.1	71
W592233		137.0	<0.002	0.14	14.35	10.6	1	1.6	61.7	0.62	<0.05	13.15	0.249	2.23	2.5	70
W592234		106.5	<0.002	0.25	21.2	10.6	1	1.9	91.2	0.65	<0.05	14.15	0.267	3.21	6.7	74
W592235		149.5	<0.002	0.25	19.00	9.9	1	1.5	92.9	0.60	<0.05	12.30	0.236	2.42	4.3	69
W592236		162.5	0.002	4.73	92.3	7.6	1	7.8	92.3	0.44	0.40	9.47	0.175	2.36	4.8	56
W592237		138.5	<0.002	0.26	17.60	12.1	1	2.0	90.9	0.67	<0.05	13.60	0.293	2.80	5.4	86
W592238		147.0	<0.002	0.38	17.70	10.6	1	2.0	108.5	0.64	<0.05	13.65	0.266	3.05	4.3	74
W592239		92.9	<0.002	0.21	49.9	6.5	1	2.7	353	0.91	<0.05	11.95	0.302	2.80	7.2	54
W592240		133.0	<0.002	0.76	22.3	9.7	1	2.0	205	0.54	<0.05	12.20	0.235	1.91	5.1	68
W592241		143.5	<0.002	0.11	7.11	11.4	1	3.5	310	0.64	<0.05	13.65	0.268	1.72	4.1	78
W592242		124.5	<0.002	0.09	10.95	11.1	1	1.8	294	0.62	<0.05	13.30	0.261	1.62	5.2	75
W592243		162.0	<0.002	0.45	27.2	11.1	1	2.6	99.5	0.62	<0.05	14.25	0.263	1.99	3.9	73
W592244		191.5	<0.002	1.38	34.0	11.2	1	2.3	83.1	0.69	<0.05	13.90	0.263	3.22	4.5	75
W592245		1.7	<0.002	0.01	0.24	0.2	1	<0.2	48.8	<0.05	<0.05	0.15	<0.005	0.04	0.8	3
W592246		193.5	<0.002	2.87	18.00	10.8	1	3.4	143.5	0.66	0.44	13.75	0.250	3.33	4.7	73
W592247		144.5	<0.002	0.85	11.10	10.7	1	2.8	98.7	0.64	<0.05	13.10	0.265	2.46	5.6	74
W592248		152.5	<0.002	1.41	28.4	9.8	1	3.1	119.5	0.57	<0.05	11.75	0.244	2.51	4.7	69
W592249		146.0	<0.002	1.24	24.0	9.8	1	3.1	122.5	0.59	<0.05	11.95	0.250	2.45	5.0	69
W592250		177.5	<0.002	0.18	16.35	6.7	1	1.4	667	0.67	<0.05	9.43	0.288	3.59	6.0	62
W592251		84.9	<0.002	1.04	64.6	5.0	1	1.9	402	0.44	0.18	6.71	0.173	1.82	12.1	42
W592252		61.2	<0.002	0.22	21.2	6.2	<1	2.3	233	0.80	<0.05	10.00	0.273	2.09	5.4	54
W592253		72.8	<0.002	0.25	27.8	6.0	1	2.9	442	0.76	<0.05	9.28	0.275	2.43	6.1	56
W592254		1.8	<0.002	<0.01	0.25	0.2	1	<0.2	51.2	<0.05	<0.05	0.16	<0.005	0.04	0.7	3
W592255		107.0	<0.002	0.12	18.15	7.2	1	1.5	877	0.69	<0.05	7.95	0.406	2.44	3.2	83
W592256		150.0	<0.002	0.84	24.5	8.8	1	3.6	131.5	0.62	<0.05	11.70	0.252	3.05	7.9	68
W592257		126.5	<0.002	0.13	6.88	11.8	1	2.0	262	0.55	<0.05	13.00	0.279	1.94	4.1	80
W592258		111.5	<0.002	0.03	5.09	11.7	1	1.8	326	0.57	<0.05	12.80	0.285	1.27	2.5	81
W592259		100.0	<0.002	0.11	22.9	9.7	1	2.1	240	0.51	<0.05	10.20	0.230	1.36	5.9	71
W592260		132.0	<0.002	0.12	17.25	10.5	1	2.1	70.5	0.67	<0.05	9.69	0.274	2.43	2.9	78
W592261		145.5	0.002	7.63	104.0	7.5	2	10.3	61.1	0.35	0.71	8.31	0.157	2.13	4.9	55
W592262		97.7	<0.002	0.19	18.45	9.0	1	2.3	78.5	0.63	<0.05	7.97	0.266	2.11	3.0	76
W592263		82.2	<0.002	0.03	14.65	8.3	1	2.4	73.7	0.68	<0.05	8.41	0.259	1.79	2.1	74
W592264		79.0	<0.002	0.03	15.30	7.9	<1	2.5	72.2	0.69	<0.05	7.42	0.257	1.74	1.8	73
W592265		99.9	<0.002	0.04	10.80	9.9	1	2.0	96.2	0.66	<0.05	9.49	0.267	1.68	2.2	83
W592266		95.6	<0.002	0.05	7.90	9.6	1	1.8	178.5	0.70	<0.05	9.09	0.270	1.69	1.9	70



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Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 20-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178082

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Au-AA24 Au ppm 0.005
W592231		3.8	14.0	538	29.3	0.050
W592232		2.7	14.7	140	35.2	0.021
W592233		2.1	14.0	87	33.8	<0.005
W592234		2.9	14.5	73	36.6	<0.005
W592235		1.5	17.8	90	34.3	<0.005
W592236		4.8	9.9	5490	26.0	2.32
W592237		2.8	16.1	81	36.7	<0.005
W592238		3.7	14.4	95	35.2	0.007
W592239		6.0	15.9	133	99.8	0.014
W592240		3.1	15.2	471	33.2	0.084
W592241		1.9	18.4	116	36.0	<0.005
W592242		2.9	18.5	111	35.0	<0.005
W592243		10.9	16.8	406	36.3	0.017
W592244		6.8	16.0	466	36.9	0.327
W592245		0.3	0.9	17	0.6	<0.005
W592246		5.3	16.2	971	34.9	0.076
W592247		6.0	19.2	374	32.9	0.059
W592248		4.2	12.9	1720	33.6	0.173
W592249		4.3	12.8	1580	35.2	0.139
W592250		3.4	14.2	166	137.0	<0.005
W592251		3.9	10.1	1740	64.0	0.500
W592252		3.1	13.3	130	91.1	0.007
W592253		3.1	13.1	95	102.5	0.029
W592254		0.1	0.8	16	1.0	<0.005
W592255		6.5	14.0	122	168.5	<0.005
W592256		6.2	13.2	655	53.5	0.228
W592257		2.1	17.9	78	33.5	0.009
W592258		1.8	18.1	75	33.9	0.006
W592259		1.9	16.7	89	28.4	<0.005
W592260		2.8	14.8	193	36.3	0.006
W592261		6.7	8.8	3350	22.5	1.710
W592262		2.1	11.9	217	37.7	0.010
W592263		2.7	10.3	91	37.6	<0.005
W592264		2.6	9.2	96	35.8	<0.005
W592265		2.7	11.9	82	37.0	<0.005
W592266		2.6	11.7	93	40.7	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17178082

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61



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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-SEP-2017
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CERTIFICATE WH17178092

Project: Klaza

P.O. No.: 17-129

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22-AUG-2017.

The following have access to data associated with this certificate:

ANDREW CARNE
JOAN MARIACHER

TERESA CRUZ

MATT DUMALA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-06	Double Bagging Coarse Rejects
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
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: **ROCKHAVEN 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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1016 - 510 W HASTINGS STREET
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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 22-SEP-2017
Account: ROCKHA

Project: Klaza

CERTIFICATE OF ANALYSIS WH17178092

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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	ME-MS61 Fe %
		0.02	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
W592501		5.56	0.10	8.47	13.4	1880	1.32	0.21	1.48	0.12	55.0	7.2	12	17.10	10.0	3.34
W592502		7.16	1.95	7.60	52.2	770	1.31	0.17	1.54	4.00	49.0	7.1	10	15.55	17.6	3.15
W592503		5.94	1.04	7.39	163.0	1120	1.38	0.16	1.86	6.27	54.6	7.5	10	17.95	11.8	3.33
W592504		4.99	0.10	7.17	21.5	1870	2.17	0.45	2.84	0.47	67.4	4.7	12	31.5	3.5	2.47
W592505		8.01	4.11	6.55	134.5	2840	1.83	1.83	2.27	10.50	59.1	11.3	9	20.8	69.1	2.84
W592506		10.32	0.21	7.09	29.2	2240	1.68	0.17	1.95	0.32	72.9	5.3	13	26.3	7.5	2.30
W592507		13.30	0.10	7.12	16.2	3630	1.89	0.16	2.26	0.27	70.5	5.5	12	33.1	3.5	2.54
W592508		0.26	9.80	6.65	1825	390	1.48	6.03	1.82	43.8	45.7	16.0	19	16.65	106.5	5.17
W592509		7.30	0.59	7.35	28.0	2020	1.79	0.31	2.50	0.75	49.3	7.6	9	25.7	32.8	3.54
W592510		7.49	0.13	7.27	12.7	1780	1.40	0.56	2.40	0.17	46.1	7.3	11	18.30	7.5	3.01
W592511		4.31	0.74	6.12	203	1810	1.30	1.08	4.23	2.01	48.4	8.5	7	15.05	11.6	3.43
W592512		8.47	0.14	7.91	11.7	2310	1.92	0.50	2.28	0.26	48.3	7.9	10	18.00	16.4	3.71
W592513		6.63	0.11	7.01	11.7	2110	1.52	0.28	2.86	0.08	43.0	7.6	11	19.45	16.2	3.17
W592514		<0.02	0.11	7.12	10.7	2120	1.52	0.31	2.85	0.11	43.4	7.5	10	19.10	16.4	3.19
W592515		7.58	0.06	7.05	14.2	2130	1.50	0.24	3.09	0.08	45.7	7.4	11	19.00	9.0	3.10
W592516		11.08	0.07	7.52	11.9	2490	1.61	0.29	2.89	0.07	52.5	8.0	11	18.55	6.2	3.20
W592517		10.39	0.28	7.25	26.6	2000	1.82	1.59	2.88	0.69	44.2	8.1	11	17.30	10.6	3.28
W592518		13.11	0.24	7.42	31.7	2590	1.64	0.21	2.21	0.77	47.0	5.8	6	11.95	9.2	3.40
W592519		4.87	0.19	7.58	43.4	2570	1.68	0.27	1.94	0.62	49.2	5.4	7	12.25	15.4	3.20
W592520		12.28	0.08	7.47	11.8	4550	1.79	0.22	1.98	0.07	50.4	9.1	8	13.65	3.3	3.37
W592521		5.76	0.29	7.07	14.3	2320	1.77	0.78	2.66	0.05	60.3	23.4	14	10.85	2.4	3.79
W592522		4.70	0.29	7.04	16.0	1290	2.02	0.77	1.63	0.08	67.1	56.3	43	7.44	1.4	8.94
W592523		10.56	0.26	6.87	42.5	2020	1.36	0.22	2.72	0.32	40.6	12.9	9	9.75	2.5	2.77
W592524		5.86	<0.01	0.07	0.7	50	<0.05	0.05	21.0	0.07	1.18	0.7	1	0.18	1.3	0.50
W592525		1.84	1.11	6.29	876	190	1.21	0.53	5.15	3.24	66.2	19.1	14	10.60	4.7	6.26
W592526		4.07	0.61	7.11	42.0	2160	1.58	1.32	4.56	0.29	68.7	12.4	40	15.75	22.0	7.32
W592527		9.05	1.53	7.01	234	460	1.55	1.04	2.95	4.30	44.4	34.7	29	13.90	19.9	7.26
W592528		0.26	39.2	5.79	2600	90	1.19	34.1	1.64	46.5	35.1	15.8	22	10.00	1180	9.37
W592529		6.57	0.17	7.45	13.9	2300	1.29	0.61	3.79	0.06	59.8	8.8	45	8.95	65.1	6.31
W592530		9.13	0.05	7.28	11.5	2470	1.19	0.11	3.94	0.05	65.7	9.2	43	9.37	2.9	5.91
W592531		11.52	1.56	7.49	747	920	1.34	1.11	2.28	4.59	47.8	6.2	43	8.14	31.4	7.81
W592532		6.03	0.01	0.06	0.5	70	0.07	0.05	20.9	0.08	1.02	0.6	1	0.11	2.3	0.48
W592533		5.31	1.22	7.30	56.4	780	1.23	0.89	2.98	4.37	46.0	23.7	42	7.36	5.9	8.85
W592534		12.16	0.14	6.83	31.6	2950	1.57	0.15	1.92	1.15	56.7	5.0	12	20.2	7.7	2.20
W592535		8.44	0.11	6.80	29.5	1780	1.73	0.09	2.15	0.79	48.0	5.0	11	18.70	11.1	2.18
W592536		8.10	0.33	7.46	56.4	1050	1.83	0.13	1.74	3.75	53.6	5.7	12	17.75	21.3	2.34



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
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Account: ROCKHA

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CERTIFICATE OF ANALYSIS WH17178092

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
		Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		ppm 0.05	ppm 0.05	ppm 0.1	ppm 0.005	% 0.01	ppm 0.5	ppm 0.2	% 0.01	ppm 5	ppm 0.05	% 0.01	ppm 0.1	ppm 0.2	ppm 10
W592501		18.45	0.17	1.3	0.071	3.16	25.0	34.3	0.58	1320	0.62	0.10	8.6	2.5	660
W592502		16.30	0.16	1.2	0.079	2.59	22.6	34.3	0.61	2810	0.92	0.05	7.8	2.5	610
W592503		16.65	0.22	1.3	0.110	3.34	26.1	21.4	0.71	2870	0.75	0.08	7.6	2.6	610
W592504		17.60	0.21	2.5	0.038	2.33	32.4	129.5	1.06	884	1.13	0.05	11.0	2.5	850
W592505		15.40	0.17	1.7	0.097	2.08	29.3	61.0	0.94	1220	9.33	0.03	8.2	4.1	650
W592506		17.55	0.20	2.5	0.022	2.68	37.1	43.6	0.79	874	1.37	0.05	10.8	2.9	840
W592507		18.10	0.21	2.6	0.027	2.56	33.6	71.6	0.83	1020	0.88	0.04	11.0	3.3	870
W592508		15.10	0.18	1.4	0.927	2.91	21.4	26.1	0.68	1980	12.55	0.26	7.5	15.0	490
W592509		16.25	0.18	1.2	0.087	3.11	22.5	36.8	0.88	1710	1.06	0.23	7.7	2.6	610
W592510		17.80	0.15	1.2	0.047	2.87	20.6	30.4	0.69	906	0.82	0.17	8.2	2.7	640
W592511		13.85	0.19	0.8	0.101	2.94	24.2	16.8	1.13	3220	0.62	0.03	5.9	2.4	480
W592512		17.20	0.20	1.1	0.046	2.95	21.3	35.9	0.88	765	0.49	0.67	7.8	2.5	680
W592513		16.20	0.19	1.1	0.046	3.02	18.8	17.7	0.79	893	1.27	1.49	7.8	2.4	620
W592514		16.00	0.17	1.1	0.052	3.02	18.7	17.4	0.81	895	1.42	1.51	7.8	2.5	620
W592515		16.35	0.21	1.2	0.044	2.89	20.4	30.5	0.79	834	1.10	1.66	7.9	2.5	610
W592516		16.85	0.21	1.1	0.050	2.96	23.1	23.5	0.82	825	1.09	1.96	8.1	2.7	640
W592517		16.70	0.19	1.2	0.054	3.17	18.6	16.6	0.83	1580	1.30	1.36	8.1	2.7	630
W592518		16.15	0.22	1.1	0.135	3.66	21.8	29.8	0.85	1270	1.87	0.06	7.4	2.6	570
W592519		16.60	0.17	1.1	0.120	3.56	23.4	36.5	0.76	1090	1.91	0.07	7.3	2.2	560
W592520		15.45	0.22	1.2	0.126	3.47	24.8	52.1	0.86	930	1.98	0.04	7.2	2.3	560
W592521		16.80	0.22	1.5	0.230	3.24	29.8	36.1	1.05	1340	0.30	0.05	6.6	2.7	640
W592522		21.6	0.22	2.7	0.349	2.29	31.5	41.5	1.69	2020	0.40	0.04	5.3	5.1	1040
W592523		14.80	0.18	0.9	0.087	3.67	19.7	16.3	0.81	1320	0.86	0.60	6.1	1.9	540
W592524		0.25	0.20	<0.1	0.006	0.03	0.5	1.6	12.95	220	0.32	<0.01	0.1	1.1	180
W592525		12.80	0.19	1.4	0.104	2.92	35.6	13.9	1.61	4880	0.64	0.04	5.6	2.7	600
W592526		18.55	0.18	2.8	0.190	2.99	34.0	39.0	1.59	2750	4.01	0.04	5.2	3.8	1070
W592527		16.85	0.17	2.0	0.331	3.02	21.9	50.9	1.35	2930	8.82	0.03	5.6	4.3	910
W592528		13.60	0.13	0.9	1.510	2.67	16.9	15.8	0.67	2380	16.75	0.06	4.6	14.2	450
W592529		17.35	0.07	3.2	0.142	2.58	30.8	23.3	2.51	1400	2.69	2.00	5.8	4.3	1150
W592530		17.15	0.08	3.1	0.112	2.46	35.4	27.1	2.44	1400	2.37	1.90	5.6	3.8	1140
W592531		19.65	0.07	3.1	0.421	3.08	25.7	31.6	1.98	3060	1.77	0.05	5.4	4.5	1120
W592532		0.17	0.08	<0.1	0.007	0.02	0.5	1.3	13.05	210	0.29	0.01	0.1	1.3	180
W592533		18.20	0.05	3.1	0.314	2.64	23.9	18.5	2.08	4450	3.93	0.07	5.4	4.6	1120
W592534		16.90	0.07	2.7	0.024	2.38	30.6	88.9	0.66	522	2.12	0.03	9.3	3.9	880
W592535		18.05	0.07	2.6	0.032	2.61	24.3	93.6	0.66	479	1.43	0.04	9.8	4.0	890
W592536		18.15	0.06	2.6	0.036	2.49	28.3	90.9	0.61	471	1.25	0.04	9.9	4.5	920



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Page: 2 - C
Total # Pages: 2 (A - D)
Plus Appendix Pages
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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Ti	U	V
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
W592501		145.0	<0.002	0.09	15.75	11.3	1	2.2	103.5	0.81	<0.05	16.25	0.290	1.85	5.1	82
W592502		135.0	<0.002	0.25	32.4	10.7	1	2.2	73.0	0.68	<0.05	15.20	0.268	1.87	4.8	74
W592503		183.0	0.002	0.47	19.95	10.7	1	2.4	84.8	0.68	<0.05	15.60	0.255	2.50	4.1	76
W592504		91.1	<0.002	0.06	9.32	5.4	<1	2.3	238	0.74	<0.05	10.45	0.253	1.87	5.0	50
W592505		119.0	0.004	0.67	47.8	6.9	1	4.8	226	0.55	0.06	10.40	0.225	2.21	13.2	58
W592506		112.0	<0.002	0.14	19.55	5.6	<1	2.0	275	0.70	<0.05	11.25	0.249	2.63	7.7	49
W592507		108.0	<0.002	0.10	13.80	5.7	<1	1.6	212	0.74	<0.05	10.75	0.248	1.88	6.4	48
W592508		165.5	0.004	3.08	35.9	8.0	1	5.9	150.5	0.58	0.30	12.00	0.204	2.62	5.4	56
W592509		134.5	<0.002	0.15	11.30	10.6	1	2.0	190.0	0.62	<0.05	13.60	0.265	1.98	6.6	74
W592510		111.5	<0.002	0.08	12.40	11.1	1	1.9	156.5	0.67	<0.05	12.10	0.277	1.78	5.4	79
W592511		186.5	<0.002	0.62	17.60	8.8	1	1.7	106.5	0.44	<0.05	10.55	0.214	2.45	5.5	63
W592512		120.5	<0.002	0.05	7.96	11.4	1	2.0	230	0.58	<0.05	12.35	0.287	1.60	4.0	82
W592513		124.0	<0.002	0.07	6.10	10.9	<1	2.1	302	0.60	<0.05	11.85	0.277	1.73	4.0	80
W592514		126.0	0.002	0.07	5.86	10.9	<1	2.0	302	0.66	<0.05	12.00	0.279	1.81	4.0	81
W592515		125.0	<0.002	0.04	3.88	10.7	1	1.9	322	0.63	<0.05	13.45	0.269	1.60	4.9	76
W592516		122.0	0.002	0.04	3.86	10.9	1	1.9	377	0.62	<0.05	14.45	0.279	1.42	4.8	78
W592517		135.0	0.002	0.14	5.47	11.3	1	2.3	284	0.63	<0.05	12.15	0.280	1.92	4.5	80
W592518		154.0	0.002	0.27	11.15	9.3	<1	2.4	142.5	0.55	<0.05	12.20	0.238	2.64	3.5	64
W592519		156.0	0.002	0.26	11.30	9.2	1	3.4	157.0	0.55	<0.05	12.50	0.238	2.61	3.3	65
W592520		171.0	<0.002	0.26	10.80	8.8	<1	2.2	188.5	0.57	<0.05	13.95	0.226	2.96	2.9	63
W592521		164.5	<0.002	0.51	10.25	11.7	<1	2.6	144.5	0.52	0.08	13.60	0.258	2.59	3.7	80
W592522		149.5	<0.002	0.83	10.25	20.3	1	3.5	94.6	0.31	0.16	7.01	0.443	2.00	5.5	189
W592523		151.5	<0.002	0.55	5.82	8.6	<1	1.7	166.0	0.43	<0.05	12.75	0.198	2.31	4.5	57
W592524		1.4	<0.002	<0.01	0.09	0.3	<1	<0.2	48.5	<0.05	<0.05	0.10	<0.005	0.02	0.5	3
W592525		162.5	0.004	4.30	24.8	10.9	1	2.7	191.0	0.40	<0.05	10.50	0.251	2.54	3.8	84
W592526		157.5	0.002	0.87	9.70	19.1	1	3.0	297	0.31	<0.05	7.11	0.447	2.44	4.1	176
W592527		167.5	0.002	2.18	20.5	15.8	<1	3.7	243	0.35	0.31	8.32	0.362	2.58	7.0	134
W592528		153.5	0.002	7.97	107.5	7.7	2	10.6	63.7	0.38	0.76	9.74	0.168	2.32	5.5	57
W592529		94.4	<0.002	0.08	7.55	22.1	1	2.8	598	0.36	<0.05	6.70	0.498	1.36	4.1	194
W592530		94.3	<0.002	0.04	7.89	22.6	1	2.7	522	0.35	<0.05	7.14	0.486	1.48	3.7	191
W592531		179.0	<0.002	1.35	10.50	19.7	1	5.0	113.0	0.34	0.11	6.21	0.451	2.42	5.1	155
W592532		0.9	<0.002	<0.01	0.09	0.2	1	<0.2	48.1	<0.05	<0.05	0.07	<0.005	<0.02	0.5	3
W592533		150.5	0.002	1.71	10.10	19.2	1	4.4	130.0	0.33	0.14	6.37	0.457	2.26	5.5	176
W592534		80.4	<0.002	0.21	18.60	4.3	<1	1.4	349	0.65	<0.05	9.33	0.262	1.02	5.1	43
W592535		74.5	<0.002	0.10	11.65	4.4	1	1.3	389	0.71	<0.05	8.68	0.270	1.07	3.1	44
W592536		75.7	<0.002	0.15	12.70	4.4	<1	1.8	350	0.70	<0.05	9.16	0.282	0.97	4.1	45



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W592501		4.0	16.4	62	32.3	<0.005
W592502		8.8	15.3	422	30.4	0.007
W592503		5.0	15.2	459	29.7	0.011
W592504		2.0	14.0	97	88.9	<0.005
W592505		4.6	13.9	604	57.8	0.107
W592506		2.3	13.6	69	90.0	<0.005
W592507		2.3	14.0	93	92.0	<0.005
W592508		5.3	10.9	3040	40.7	0.793
W592509		2.6	16.1	119	29.4	<0.005
W592510		2.1	14.7	68	29.8	<0.005
W592511		1.7	15.4	203	22.1	0.028
W592512		1.6	14.9	76	28.0	<0.005
W592513		1.0	14.1	60	26.0	<0.005
W592514		1.0	14.3	61	26.6	<0.005
W592515		1.0	13.9	51	28.3	<0.005
W592516		0.9	16.2	61	28.9	<0.005
W592517		1.2	16.0	102	28.0	<0.005
W592518		2.1	12.9	92	29.4	0.007
W592519		2.5	12.6	83	30.5	0.012
W592520		1.8	13.4	60	30.9	<0.005
W592521		1.5	13.7	71	44.8	<0.005
W592522		2.2	21.1	176	109.0	<0.005
W592523		1.1	12.1	64	24.4	0.005
W592524		0.1	0.8	19	0.5	<0.005
W592525		2.8	15.4	260	45.9	0.132
W592526		2.6	17.9	129	111.5	0.033
W592527		3.6	16.2	384	73.0	0.167
W592528		7.6	8.7	3470	22.9	1.755
W592529		1.3	20.2	102	122.0	0.055
W592530		1.1	18.2	106	115.0	<0.005
W592531		4.2	17.6	614	120.5	0.085
W592532		0.1	0.7	19	0.5	<0.005
W592533		3.4	19.4	606	120.0	0.010
W592534		2.1	8.7	171	98.7	<0.005
W592535		1.8	8.0	199	87.2	<0.005
W592536		1.6	8.1	379	85.6	<0.005



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-SEP-2017
Account: ROCKHA

CERTIFICATE OF ANALYSIS WH17178092

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG-06	CRU-31	CRU-QC	LOG-21
LOG-21d	LOG-23	PUL-31	PUL-31d
PUL-QC	SPL-21	SPL-21d	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-AA24 ME-MS61