



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: **KLUANE DRILLING LTD**  
**14 MACDONALD ROAD**  
**WHITEHORSE YT Y1A 4L2**

Page: 1  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 29-FEB-2020  
 Account: KLUDRIL

**CERTIFICATE WH20035403**

Project: Cowley  
 P.O. No.: CP-19-08  
 This report is for 85 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 14-FEB-2020.  
 The following have access to data associated with this certificate:

CHRIS ARSENAULT	JIM COYNE	NICOLAI. GOEPEL
-----------------	-----------	-----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
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 up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
Cu-OG46	Ore Grade Cu - Aqua Regia	
Zn-OG46	Ore Grade Zn - Aqua Regia	
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

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:**   
 Saa Traxler, General Manager, North Vancouver



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: KLUANE DRILLING LTD  
 14 MACDONALD ROAD  
 WHITEHORSE YT Y1A 4L2

Page: 2 - A  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 29-FEB-2020  
 Account: KLUDRIL

Project: Cowley

**CERTIFICATE OF ANALYSIS WH20035403**

Sample Description	Method	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
W797801		5.13	13.3	2.70	153	50	490	1.0	53	4.51	0.5	14	40	>10000	1.32	10
W797802		4.58	13.4	1.14	123	<10	<10	<0.5	91	14.6	1.6	6	26	>10000	11.45	10
W797803		4.74	9.1	1.13	115	<10	<10	<0.5	59	16.6	1.9	5	26	9570	12.05	10
W797804		4.73	1.1	1.72	11	<10	40	0.5	6	4.34	<0.5	9	7	1070	5.20	10
W797805		3.19	0.4	1.57	6	<10	60	<0.5	<2	2.52	<0.5	10	6	416	4.42	10
W797806		4.57	5.8	0.93	159	<10	<10	<0.5	38	16.8	1.6	5	14	5910	13.35	10
W797807		6.10	12.0	0.96	195	<10	<10	<0.5	68	17.1	1.6	7	19	>10000	14.00	10
W797808		6.12	3.7	1.18	175	<10	<10	<0.5	26	17.7	1.1	5	16	3810	14.05	20
W797809		6.17	0.7	1.14	56	<10	<10	<0.5	2	16.7	1.1	6	15	588	11.85	10
W797810		3.89	0.2	1.53	39	<10	<10	<0.5	<2	16.5	1.0	8	14	307	11.65	10
W797811		3.49	0.2	2.09	33	<10	<10	<0.5	<2	13.9	<0.5	8	40	75	8.76	10
W797812		3.71	<0.2	2.88	4	<10	20	<0.5	<2	2.69	<0.5	24	26	28	4.23	10
W797813		4.69	<0.2	1.74	11	<10	<10	<0.5	<2	9.3	<0.5	8	35	64	3.59	10
W797814		5.28	<0.2	1.43	7	<10	<10	<0.5	<2	6.43	<0.5	5	45	75	2.66	<10
W797815		5.94	<0.2	1.31	4	<10	<10	<0.5	<2	6.01	<0.5	4	57	136	2.55	<10
W797816		5.55	0.2	1.16	<2	<10	10	<0.5	<2	4.49	<0.5	3	68	270	1.55	<10
W797817		6.05	0.3	1.36	4	<10	10	<0.5	<2	5.12	<0.5	4	77	280	1.89	<10
W797818		5.54	10.8	0.70	7	<10	20	<0.5	54	5.72	0.5	7	44	>10000	3.69	<10
W797819		4.98	0.7	0.95	3	<10	20	<0.5	<2	5.25	<0.5	5	50	712	1.46	<10
W797820		4.78	0.5	0.68	<2	<10	<10	<0.5	2	7.9	<0.5	4	14	627	1.83	<10
W797821		5.10	0.5	1.74	4	<10	<10	<0.5	2	8.0	<0.5	10	35	962	2.37	<10
W797822		4.56	2.6	1.78	2	<10	90	<0.5	9	10.0	0.7	13	29	4690	3.24	<10
W797823		3.16	<0.2	3.16	3	<10	40	<0.5	<2	5.76	<0.5	24	29	324	4.92	10
W797824		3.01	<0.2	3.71	2	<10	310	<0.5	<2	4.17	<0.5	33	81	62	5.57	10
W797825		0.52	0.2	0.02	<2	<10	20	<0.5	<2	>25.0	<0.5	1	<1	2	0.08	<10
W797826		3.67	<0.2	2.27	7	<10	150	<0.5	<2	7.4	<0.5	13	17	185	3.80	10
W797827		5.65	<0.2	1.60	9	<10	<10	<0.5	<2	8.4	<0.5	4	15	23	3.27	<10
W797828		7.02	<0.2	0.84	26	<10	<10	<0.5	<2	7.9	<0.5	5	12	174	4.29	<10
W797829		5.80	0.6	0.97	74	<10	<10	<0.5	30	13.0	0.9	5	26	3880	10.20	10
W797830		6.08	5.5	2.15	28	<10	<10	<0.5	13	11.9	1.0	6	9	3020	6.64	<10
W797831		5.52	54.5	2.06	34	<10	<10	<0.5	38	12.0	3.2	17	10	>10000	8.57	10
W797832		5.48	6.9	2.11	15	<10	<10	<0.5	7	14.8	1.0	8	10	3490	8.99	10
W797833		6.01	<0.2	2.35	15	<10	<10	<0.5	<2	14.9	0.8	5	10	553	9.16	10
W797834		5.36	0.8	1.89	29	<10	<10	<0.5	<2	14.5	0.9	7	13	6980	10.05	10
W797835		6.60	1.6	2.20	93	<10	<10	<0.5	<2	15.0	1.1	17	8	>10000	10.45	10
W797836		5.17	4.2	1.07	288	<10	<10	<0.5	<2	13.3	1.8	25	17	>10000	11.60	<10
W797837		5.71	1.0	0.59	145	<10	<10	<0.5	<2	13.4	0.7	20	18	4840	14.40	10
W797838		5.82	1.0	0.37	70	<10	<10	<0.5	4	15.4	0.9	5	11	4360	14.80	10
W797839		3.77	0.5	0.25	30	<10	<10	<0.5	<2	10.8	0.6	6	11	2780	10.10	10
W797840		4.75	4.7	0.72	24	<10	<10	<0.5	5	16.9	29.0	35	11	>10000	9.15	10



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: KLUANE DRILLING LTD  
 14 MACDONALD ROAD  
 WHITEHORSE YT Y1A 4L2

Page: 2 - B  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 29-FEB-2020  
 Account: KLUDRIL

Project: Cowley

**CERTIFICATE OF ANALYSIS WH20035403**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOD		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
W797801		1	0.43	10	3.07	544	106	0.03	30	1160	6	0.47	9	1	78	<20
W797802		2	0.01	<10	0.53	1545	1300	<0.01	10	770	16	0.61	2	1	28	<20
W797803		1	<0.01	<10	0.39	1480	1130	<0.01	9	940	20	0.26	2	2	43	<20
W797804		<1	0.22	20	1.03	899	156	0.04	4	1660	16	0.04	<2	6	54	<20
W797805		<1	0.20	20	1.14	821	75	0.06	5	1760	18	0.04	<2	7	69	<20
W797806		1	<0.01	<10	0.19	1945	1970	<0.01	6	420	11	0.35	3	1	15	<20
W797807		1	<0.01	<10	0.19	1690	2330	<0.01	6	620	12	0.67	<2	1	7	<20
W797808		<1	<0.01	<10	0.24	1895	2200	0.01	2	460	8	0.30	<2	1	7	<20
W797809		<1	<0.01	10	0.24	1795	1900	0.01	3	560	5	0.16	<2	1	11	<20
W797810		<1	<0.01	<10	0.19	1780	2060	0.01	3	750	5	0.15	2	1	11	<20
W797811		1	0.01	<10	0.45	1780	907	0.01	5	730	4	0.03	<2	3	12	<20
W797812		<1	0.02	10	2.59	804	7	0.03	13	2250	2	0.01	2	5	158	<20
W797813		<1	<0.01	<10	0.58	1195	1580	<0.01	9	300	2	0.07	<2	2	31	<20
W797814		<1	0.02	<10	0.36	966	1100	0.01	6	150	<2	0.06	<2	2	12	<20
W797815		<1	0.02	<10	0.27	851	1320	0.01	5	100	<2	0.08	<2	3	11	<20
W797816		<1	0.05	<10	0.19	636	1200	0.02	2	40	<2	0.07	<2	3	14	<20
W797817		<1	0.06	<10	0.24	787	1325	0.02	4	120	2	0.07	<2	3	16	<20
W797818		<1	0.06	<10	0.30	722	2040	0.01	12	440	6	0.49	2	1	28	<20
W797819		<1	0.04	<10	0.45	616	728	0.01	11	420	2	0.05	<2	2	66	<20
W797820		<1	<0.01	<10	0.32	899	697	<0.01	7	70	2	0.05	<2	1	74	<20
W797821		<1	0.01	10	1.45	1290	221	<0.01	18	1230	4	0.07	2	4	152	<20
W797822		<1	0.08	<10	1.44	1415	217	0.01	22	730	12	0.38	3	3	246	<20
W797823		<1	0.22	10	2.78	1045	4	0.01	21	1120	5	<0.01	<2	6	145	<20
W797824		<1	0.15	10	3.33	949	2	0.02	31	1360	3	<0.01	<2	10	216	<20
W797825		<1	0.01	<10	0.58	81	<1	0.01	3	90	<2	<0.01	<2	<1	100	<20
W797826		<1	0.08	<10	1.34	1085	109	0.02	9	1140	2	0.01	<2	5	132	<20
W797827		<1	<0.01	<10	0.36	1115	13	0.01	2	450	<2	<0.01	<2	2	21	<20
W797828		<1	<0.01	<10	0.45	898	64	<0.01	3	1010	<2	0.01	<2	1	11	<20
W797829		<1	<0.01	<10	0.25	1310	92	<0.01	3	670	7	0.34	<2	1	4	<20
W797830		<1	<0.01	<10	0.31	1865	28	0.01	3	560	6	0.12	<2	1	5	<20
W797831		<1	<0.01	<10	0.18	1820	2310	<0.01	30	400	17	1.70	2	1	5	<20
W797832		<1	<0.01	<10	0.41	2050	143	<0.01	7	180	6	0.21	<2	1	13	<20
W797833		<1	<0.01	<10	0.21	2410	162	<0.01	3	200	2	0.05	<2	1	7	<20
W797834		<1	<0.01	<10	0.19	2110	3120	<0.01	4	470	6	0.88	2	2	7	<20
W797835		<1	<0.01	<10	0.37	2380	152	<0.01	12	450	5	1.11	<2	1	9	<20
W797836		<1	<0.01	10	0.39	1785	16	<0.01	11	660	4	2.07	<2	1	3	<20
W797837		<1	<0.01	<10	0.58	1380	226	<0.01	7	780	6	0.44	<2	1	5	<20
W797838		<1	<0.01	<10	0.46	1665	383	0.01	<1	470	7	0.40	<2	<1	4	<20
W797839		<1	<0.01	<10	0.57	1350	256	<0.01	1	500	4	0.29	<2	<1	3	<20
W797840		1	0.01	<10	0.60	3730	147	0.02	9	600	124	1.73	<2	<1	36	<20



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: KLUANE DRILLING LTD  
 14 MACDONALD ROAD  
 WHITEHORSE YT Y1A 4L2

Page: 2 - C  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 29-FEB-2020  
 Account: KLUDRIL

Project: Cowley

**CERTIFICATE OF ANALYSIS WH20035403**

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46	Zn-OG46	Au-AA23
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %	Zn %	Au ppm
		0.01	10	10	1	10	2	0.001	0.001	0.005
W797801		0.07	<10	10	22	30	73	1.355		0.127
W797802		0.04	<10	20	23	410	22	1.320		0.171
W797803		0.04	<10	10	31	260	40			0.149
W797804		0.29	<10	<10	76	50	55			0.010
W797805		0.36	<10	<10	84	20	61			<0.005
W797806		0.03	<10	20	56	270	15			0.081
W797807		0.04	<10	10	40	800	8	1.115		0.169
W797808		0.03	<10	20	79	660	12			0.065
W797809		0.03	10	10	116	1250	11			0.007
W797810		0.05	<10	<10	105	1220	8			<0.005
W797811		0.09	<10	<10	88	1020	18			0.008
W797812		0.21	<10	<10	80	10	92			<0.005
W797813		0.09	<10	<10	52	1570	21			<0.005
W797814		0.07	<10	<10	39	940	13			<0.005
W797815		0.09	<10	<10	42	910	8			<0.005
W797816		0.11	<10	<10	35	690	6			<0.005
W797817		0.12	<10	<10	50	890	9			<0.005
W797818		0.09	<10	<10	75	2410	10	1.015		0.151
W797819		0.11	<10	<10	39	1650	15			0.009
W797820		0.08	<10	<10	35	930	11			0.006
W797821		0.08	<10	<10	40	270	43			<0.005
W797822		0.07	<10	<10	42	420	44			0.020
W797823		0.04	<10	<10	76	<10	111			<0.005
W797824		0.03	<10	<10	112	<10	174			<0.005
W797825		<0.01	<10	<10	1	<10	2			<0.005
W797826		0.07	<10	<10	53	<10	99			<0.005
W797827		0.08	<10	<10	18	<10	14			<0.005
W797828		0.03	<10	<10	12	<10	12			<0.005
W797829		0.03	<10	<10	16	<10	5			0.006
W797830		0.12	<10	<10	20	<10	13			0.036
W797831		0.11	<10	<10	21	<10	14	2.88		0.340
W797832		0.05	<10	<10	14	<10	15			0.064
W797833		0.06	<10	<10	18	<10	11			<0.005
W797834		0.11	<10	<10	22	<10	11			0.008
W797835		0.07	10	<10	18	<10	27	1.140		0.017
W797836		0.03	<10	10	17	<10	29	2.33		0.024
W797837		0.02	<10	10	15	20	25			0.007
W797838		0.01	<10	10	18	20	18			0.013
W797839		0.01	<10	10	21	10	24			<0.005
W797840		0.01	<10	10	10	20	4800	1.255		0.020



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: KLUANE DRILLING LTD  
 14 MACDONALD ROAD  
 WHITEHORSE YT Y1A 4L2

Page: 3 - A  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 29-FEB-2020  
 Account: KLUDRIL

Project: Cowley

**CERTIFICATE OF ANALYSIS WH20035403**

Sample Description	Method	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
	LOD	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
W797841		3.67	<0.2	3.39	3	<10	140	0.5	<2	3.25	<0.5	24	190	141	3.68	10
W797842		3.57	0.3	3.04	3	<10	80	<0.5	<2	3.57	<0.5	26	195	1450	4.33	10
W797843		5.92	10.8	0.31	60	<10	<10	<0.5	61	9.5	<0.5	42	12	>10000	29.7	10
W797844		6.27	6.9	0.52	53	<10	<10	<0.5	50	7.7	<0.5	65	14	>10000	34.8	10
W797845		3.03	5.4	0.63	246	<10	<10	<0.5	11	6.18	<0.5	73	23	7230	30.9	<10
W797846		4.29	1.1	3.40	15	<10	50	<0.5	<2	3.80	<0.5	33	205	1955	5.66	10
W797847		3.23	1.2	3.86	15	<10	80	<0.5	3	4.74	<0.5	41	190	3140	5.04	10
W797848		4.67	7.7	1.44	29	<10	50	<0.5	4	4.99	2.6	142	26	>10000	6.75	<10
W797849		6.83	7.4	0.59	55	<10	<10	<0.5	3	4.25	2.1	228	12	>10000	14.00	<10
W797850		1.09	0.2	0.02	<2	<10	10	<0.5	<2	>25.0	<0.5	1	1	85	0.16	<10
W797851		3.73	3.2	0.59	67	<10	20	<0.5	<2	4.84	2.7	294	14	7050	14.45	<10
W797852		3.55	43.5	0.43	26	<10	10	<0.5	2	4.06	10.5	241	6	>10000	21.8	<10
W797853		3.76	7.0	0.27	31	<10	<10	<0.5	3	3.70	2.4	417	8	>10000	23.3	<10
W797854		3.43	50.4	0.73	15	<10	20	<0.5	<2	3.29	16.6	74	6	>10000	15.70	<10
W797855		6.08	2.4	0.92	79	<10	<10	<0.5	3	6.8	2.7	15	12	>10000	4.79	<10
W797856		5.58	2.7	1.29	30	<10	30	<0.5	11	5.52	0.9	23	12	8850	3.73	<10
W797857		2.75	55.7	0.28	47	<10	10	<0.5	2	5.92	11.2	160	12	>10000	19.10	<10
W797858		3.61	55.3	0.28	44	<10	20	<0.5	<2	3.81	12.5	210	6	>10000	21.2	<10
W797859		3.78	18.6	1.87	20	<10	50	<0.5	<2	3.77	7.3	121	27	>10000	11.35	10
W797860		4.61	13.5	0.39	15	<10	<10	<0.5	4	3.23	11.9	39	22	>10000	6.42	10
W797861		5.26	10.0	0.32	9	<10	<10	<0.5	<2	1.57	43.8	74	12	>10000	7.24	30
W797862		4.76	19.3	0.16	6	<10	<10	<0.5	<2	6.16	15.4	136	7	>10000	11.25	<10
W797863		5.71	27.7	0.22	17	<10	<10	<0.5	<2	5.57	17.5	396	9	>10000	19.25	<10
W797864		4.74	28.5	0.24	12	<10	<10	<0.5	<2	4.45	14.3	385	9	>10000	14.70	<10
W797865		5.65	4.6	0.35	19	<10	<10	<0.5	30	5.16	1.3	91	15	>10000	22.8	10
W797866		7.06	2.0	0.16	11	<10	<10	<0.5	15	1.48	<0.5	56	10	9000	37.8	10
W797867		6.13	1.3	0.25	27	<10	<10	<0.5	29	3.03	<0.5	70	16	7020	36.7	10
W797868		6.38	3.3	0.36	26	<10	<10	<0.5	15	1.23	<0.5	67	25	>10000	28.9	10
W797869		3.49	11.1	0.38	56	<10	<10	<0.5	101	3.04	0.5	24	13	>10000	15.50	10
W797870		4.20	4.9	0.10	5	<10	<10	<0.5	40	1.67	<0.5	21	9	8160	14.55	10
W797871		5.11	1.3	0.78	36	<10	<10	<0.5	11	6.46	<0.5	5	8	2850	5.73	10
W797872		3.89	12.1	0.48	11	<10	<10	<0.5	43	3.71	0.6	4	5	>10000	2.40	<10
W797873		5.38	5.0	0.63	5	<10	<10	<0.5	12	4.41	<0.5	4	7	6170	2.37	<10
W797874		6.42	0.8	1.73	7	<10	10	<0.5	<2	6.75	<0.5	3	15	2250	3.29	10
W797875		2.31	0.2	0.02	<2	<10	20	<0.5	<2	>25.0	<0.5	<1	<1	49	0.10	<10
W797876		5.60	0.3	1.86	8	<10	10	<0.5	3	7.7	<0.5	7	6	2850	4.46	10
W797877		5.75	1.1	1.59	8	<10	10	<0.5	6	4.92	<0.5	6	11	6930	3.00	<10
W797878		5.44	3.8	1.04	3	<10	<10	<0.5	29	5.80	<0.5	7	7	6990	4.26	10
W797879		3.65	1.6	1.05	4	<10	<10	<0.5	7	8.1	0.8	5	12	2540	6.25	10
W797880		4.57	11.3	0.38	4	<10	<10	<0.5	76	5.04	0.9	10	3	>10000	6.31	10



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: KLUANE DRILLING LTD  
 14 MACDONALD ROAD  
 WHITEHORSE YT Y1A 4L2

Page: 3 - B  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 29-FEB-2020  
 Account: KLUDRIL

Project: Cowley

**CERTIFICATE OF ANALYSIS WH20035403**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOD		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
W797841		<1	0.08	10	3.01	1155	3	0.17	85	2100	3	0.02	<2	5	342	<20
W797842		<1	0.06	10	3.00	1335	42	0.13	88	2050	6	0.16	<2	4	223	<20
W797843		<1	<0.01	<10	0.18	1840	818	<0.01	14	770	13	1.06	<2	<1	8	<20
W797844		<1	<0.01	<10	0.50	1880	220	<0.01	18	600	12	1.31	<2	1	21	<20
W797845		<1	0.01	10	0.57	2260	9	0.01	11	550	8	1.09	<2	1	9	<20
W797846		<1	0.04	<10	3.66	1190	4	0.06	64	590	3	0.40	<2	9	157	<20
W797847		<1	0.06	<10	3.90	1305	59	0.05	174	630	2	0.45	<2	11	262	<20
W797848		<1	0.04	<10	1.14	1045	6	0.01	523	720	38	6.68	<2	2	188	<20
W797849		1	<0.01	<10	0.32	671	4	<0.01	588	850	6	>10.0	<2	2	85	<20
W797850		<1	0.01	<10	0.71	81	<1	<0.01	5	90	<2	0.07	2	<1	96	<20
W797851		1	0.01	<10	0.30	736	5	<0.01	525	1700	7	>10.0	<2	2	141	<20
W797852		<1	0.01	<10	0.46	863	9	0.01	680	370	9	>10.0	<2	1	45	<20
W797853		1	<0.01	<10	0.44	937	20	<0.01	300	330	5	>10.0	<2	1	33	<20
W797854		<1	0.06	<10	0.58	897	127	<0.01	208	520	3	>10.0	<2	1	53	<20
W797855		<1	<0.01	<10	0.29	1180	26	<0.01	18	820	3	1.32	2	2	13	<20
W797856		<1	0.06	10	0.40	1100	358	0.02	49	880	9	1.36	<2	1	74	<20
W797857		1	<0.01	<10	0.51	1295	5	<0.01	246	850	8	>10.0	<2	3	52	<20
W797858		1	0.01	<10	0.43	918	10	<0.01	440	450	21	>10.0	<2	<1	90	<20
W797859		<1	0.04	<10	2.01	1295	1	0.05	252	570	16	8.75	<2	3	176	<20
W797860		2	<0.01	<10	0.84	2720	3	<0.01	95	2260	18	6.01	<2	<1	8	<20
W797861		3	<0.01	<10	0.66	2490	<1	<0.01	116	570	9	7.80	<2	<1	4	<20
W797862		1	<0.01	<10	0.56	1795	3	<0.01	274	1180	9	>10.0	<2	<1	17	<20
W797863		2	<0.01	<10	0.60	1755	10	<0.01	451	990	12	>10.0	<2	<1	22	<20
W797864		1	<0.01	<10	0.71	1215	11	0.01	323	1040	15	>10.0	<2	<1	19	<20
W797865		1	<0.01	<10	0.74	2050	2570	<0.01	96	600	9	2.89	<2	<1	11	<20
W797866		1	<0.01	<10	0.52	1750	1020	<0.01	77	340	7	0.86	<2	<1	4	<20
W797867		1	<0.01	<10	0.40	2070	1005	<0.01	70	550	12	0.72	<2	<1	4	<20
W797868		1	0.02	<10	1.18	2020	282	<0.01	31	290	3	0.85	<2	<1	2	<20
W797869		<1	<0.01	10	0.68	687	2780	<0.01	25	950	7	0.96	<2	<1	9	<20
W797870		<1	<0.01	10	0.78	365	538	<0.01	32	560	4	0.40	<2	<1	8	<20
W797871		<1	<0.01	<10	0.54	911	126	<0.01	7	720	2	0.17	<2	<1	14	<20
W797872		<1	<0.01	<10	0.38	585	147	<0.01	5	960	8	0.81	<2	<1	10	<20
W797873		<1	<0.01	<10	0.48	731	213	<0.01	3	590	2	0.30	<2	<1	12	<20
W797874		<1	0.03	<10	0.16	1000	51	0.02	3	680	2	0.24	<2	2	47	<20
W797875		<1	0.01	<10	0.71	83	1	<0.01	3	80	2	<0.01	<2	<1	96	<20
W797876		<1	0.02	<10	0.22	1240	158	0.02	6	590	2	0.26	2	1	71	<20
W797877		<1	0.02	<10	0.15	907	339	0.01	6	600	<2	0.58	<2	2	45	<20
W797878		<1	<0.01	<10	0.26	989	586	<0.01	6	200	3	0.45	<2	1	23	<20
W797879		<1	<0.01	<10	0.42	1175	352	<0.01	8	180	5	0.14	<2	1	12	<20
W797880		<1	<0.01	<10	0.53	859	1365	<0.01	20	830	6	0.69	2	<1	15	<20



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: KLUANE DRILLING LTD  
 14 MACDONALD ROAD  
 WHITEHORSE YT Y1A 4L2

Page: 3 - C  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 29-FEB-2020  
 Account: KLUDRIL

Project: Cowley

**CERTIFICATE OF ANALYSIS WH20035403**

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46	Zn-OG46	Au-AA23
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %	Zn %	Au ppm
		0.01	10	10	1	10	2	0.001	0.001	0.005
W797841		0.23	<10	<10	75	<10	128			<0.005
W797842		0.23	<10	<10	72	<10	162			<0.005
W797843		0.01	10	10	13	20	61	1.050		0.267
W797844		0.02	10	10	12	<10	143	1.250		0.196
W797845		0.03	10	10	13	10	400			0.084
W797846		0.16	<10	<10	90	<10	87			0.011
W797847		0.17	<10	<10	103	<10	85			0.019
W797848		0.05	<10	<10	24	<10	424	1.660		0.057
W797849		0.07	<10	<10	12	<10	454	2.13		0.024
W797850		<0.01	<10	<10	1	<10	3			<0.005
W797851		0.06	10	<10	17	<10	545			0.022
W797852		0.01	<10	<10	7	<10	1790	12.80		0.268
W797853		0.02	10	<10	13	<10	646	1.565		0.062
W797854		0.02	<10	<10	9	<10	3110	15.25		0.106
W797855		0.06	<10	20	17	<10	442	1.035		0.012
W797856		0.11	<10	<10	22	<10	106			0.030
W797857		0.02	<10	<10	9	<10	2920	14.75		0.254
W797858		0.01	<10	<10	4	<10	3760	15.30		0.526
W797859		0.08	<10	<10	38	<10	3120	5.48		0.168
W797860		0.02	<10	<10	9	<10	4980	3.60		0.121
W797861		0.02	<10	<10	7	<10	>10000	2.84	2.47	0.072
W797862		0.01	<10	<10	3	<10	4440	5.74		0.675
W797863		0.01	<10	<10	5	<10	4100	7.74		0.198
W797864		0.01	<10	<10	7	<10	3050	7.60		0.268
W797865		0.02	<10	10	29	10	194	1.265		0.100
W797866		0.01	10	<10	34	<10	121			0.061
W797867		0.01	10	10	29	20	190			0.009
W797868		0.02	<10	10	16	20	283	0.993		0.075
W797869		0.02	10	30	27	110	40	1.445		0.378
W797870		0.01	<10	10	57	170	28			0.104
W797871		0.02	<10	10	30	110	13			0.023
W797872		0.02	<10	<10	16	10	10	1.570		0.127
W797873		0.03	<10	<10	14	10	11			0.091
W797874		0.05	<10	<10	47	10	9			0.007
W797875		<0.01	<10	<10	1	<10	4			<0.005
W797876		0.07	<10	<10	46	80	12			<0.005
W797877		0.04	<10	<10	26	180	8			0.018
W797878		0.04	<10	<10	43	390	8			0.053
W797879		0.04	<10	<10	63	140	16			0.022
W797880		0.01	<10	<10	41	280	22	1.740		0.207



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: KLUANE DRILLING LTD  
 14 MACDONALD ROAD  
 WHITEHORSE YT Y1A 4L2

Page: 4 - A  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 29-FEB-2020  
 Account: KLUDRIL

Project: Cowley

**CERTIFICATE OF ANALYSIS WH20035403**

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
W797881		4.17	4.0	1.73	<2	<10	20	<0.5	23	1.84	<0.5	2	9	5510	0.57	<10
W797882		4.48	2.2	4.04	4	<10	20	<0.5	5	4.12	<0.5	6	20	3670	0.66	10
W797883		4.94	0.9	5.04	4	<10	40	0.6	4	4.65	<0.5	3	10	1730	0.41	10
W797884		4.70	<0.2	1.05	<2	<10	30	<0.5	<2	2.07	<0.5	4	8	420	0.81	<10
W797885		3.19	<0.2	0.73	<2	<10	20	<0.5	<2	0.96	<0.5	4	11	178	1.02	<10





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: KLUANE DRILLING LTD  
 14 MACDONALD ROAD  
 WHITEHORSE YT Y1A 4L2

Page: 4 - B  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 29-FEB-2020  
 Account: KLUDRIL

Project: Cowley

CERTIFICATE OF ANALYSIS    WH20035403
---------------------------------------

Sample Description	Method	Analyte	Units	LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41			
					Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
					ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
					1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
W797881	<1	0.04	10	0.14	118	287	0.11	5	580	4	0.26	2	<1	259	<20				
W797882	<1	0.04	10	0.32	187	351	0.19	12	1640	<2	0.30	<2	1	361	<20				
W797883	<1	0.04	10	0.26	145	120	0.31	9	1100	3	0.16	<2	1	506	<20				
W797884	1	0.04	10	0.37	170	33	0.10	8	850	<2	0.07	<2	1	127	<20				
W797885	<1	0.04	10	0.32	115	45	0.10	10	750	2	0.09	<2	1	57	<20				

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



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
 www.alsglobal.com/geochemistry

To: KLUANE DRILLING LTD  
 14 MACDONALD ROAD  
 WHITEHORSE YT Y1A 4L2

Page: 4 - C  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 29-FEB-2020  
 Account: KLUDRIL

Project: Cowley

**CERTIFICATE OF ANALYSIS WH20035403**

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46	Zn-OG46	Au-AA23
		Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %	Zn %	Au ppm
		0.01	10	10	1	10	2	0.001	0.001	0.005
W797881		0.06	<10	10	9	10	7			0.077
W797882		0.16	<10	<10	23	140	14			0.029
W797883		0.12	<10	<10	18	100	13			0.012
W797884		0.11	<10	<10	29	<10	12			<0.005
W797885		0.12	<10	<10	34	<10	12			<0.005

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



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218  
www.alsglobal.com/geochemistry

To: KLUANE DRILLING LTD  
14 MACDONALD ROAD  
WHITEHORSE YT Y1A 4L2

Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 29-FEB-2020  
Account: KLUDRIL

Project: Cowley

**CERTIFICATE OF ANALYSIS WH20035403**

**CERTIFICATE COMMENTS**

**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-QC	SPL-21	WEI-21
			PUL-31
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA23	Cu-OG46	ME-ICP41
	Zn-OG46		ME-OG46