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

Page: 1
 Total # Pages: 4 (A - C)
 Plus Appendix Pages
 Finalized Date: 19-MAR-2020
 Account: KLUDRIL

CERTIFICATE WH20050721

Project: Cowley

This report is for 93 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3-MAR-2020.

The following have access to data associated with this certificate:

JIM COYNE	NICOLAI. GOEPEL
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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	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	
Au-AA23	Au 30g FA-AA finish	AAS

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



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Page: 2 - A
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CERTIFICATE OF ANALYSIS WH20050721

Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	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	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
X982608		5.00	0.006	0.3	1.29	2	<10	20	<0.5	<2	3.73	<0.5	7	24	522	1.44
X982609		4.17	0.015	0.7	0.66	3	<10	30	<0.5	<2	1.13	<0.5	14	12	2130	2.50
X982610		3.84	0.019	1.6	1.34	7	<10	30	<0.5	<2	4.10	0.7	29	12	4600	5.03
X982611		6.40	0.008	0.8	2.07	4	<10	<10	<0.5	<2	13.3	<0.5	7	14	1130	8.17
X982612		5.41	0.015	2.6	1.19	5	<10	<10	<0.5	<2	7.1	0.5	23	8	7100	4.71
X982613		5.73	0.006	1.1	1.14	6	<10	10	<0.5	<2	4.40	0.5	31	10	2050	3.93
X982614		5.74	0.009	1.8	1.30	9	<10	10	<0.5	<2	4.24	0.8	83	8	3770	6.05
X982615		5.63	0.018	3.6	1.23	11	<10	10	<0.5	<2	7.4	0.9	113	4	4710	8.75
X982616		5.87	0.161	26.5	0.25	43	<10	10	<0.5	25	4.09	10.1	399	4	>10000	23.4
X982617		4.39	0.018	21.2	1.76	77	<10	20	1.2	39	5.74	47.7	80	67	9070	9.85
X982618		5.35	0.010	2.3	1.39	21	<10	30	<0.5	<2	6.12	1.5	159	37	3900	9.18
X982619		5.28	0.007	0.5	1.23	11	<10	<10	<0.5	<2	8.9	<0.5	82	11	652	4.61
X982620		4.81	<0.005	0.4	1.75	8	<10	<10	<0.5	<2	10.5	<0.5	12	10	905	4.88
X982621		5.24	0.007	1.2	1.62	7	<10	80	<0.5	<2	8.9	<0.5	15	12	2330	6.57
X982622		5.24	0.009	3.2	1.89	4	<10	100	<0.5	2	10.1	1.1	22	7	6110	7.61
X982623		3.87	0.012	4.1	1.80	4	<10	60	<0.5	<2	9.3	2.0	50	6	7150	8.98
X982624		3.87	<0.005	0.3	2.58	2	<10	70	<0.5	<2	2.45	<0.5	17	17	313	3.90
X982625		0.82	<0.005	<0.2	0.02	<2	<10	40	<0.5	<2	>25.0	<0.5	<1	<1	14	0.07
X982626		4.29	0.020	8.8	1.51	3	<10	<10	<0.5	<2	8.3	5.5	19	8	>10000	7.97
X982627		4.28	0.006	2.2	1.51	4	<10	<10	<0.5	<2	9.8	0.7	48	10	4200	8.91
X982628		6.12	0.008	1.2	1.38	6	<10	<10	<0.5	<2	8.3	<0.5	58	7	1750	8.29
X982629		5.58	0.006	1.2	1.39	7	<10	<10	<0.5	<2	8.6	<0.5	52	11	2000	7.31
X982630		6.12	<0.005	0.9	1.26	5	<10	<10	<0.5	<2	8.1	0.9	16	6	1340	6.51
X982631		6.20	0.006	1.5	1.47	8	<10	<10	<0.5	<2	9.3	1.3	30	9	3220	10.55
X982632		5.86	0.006	0.7	1.66	4	<10	<10	<0.5	<2	9.6	<0.5	27	8	964	6.36
X982633		5.54	<0.005	0.6	0.74	5	<10	<10	<0.5	<2	6.12	0.6	16	4	1340	5.16
X982634		5.76	<0.005	1.1	0.74	7	<10	<10	<0.5	<2	6.16	0.7	39	6	2200	7.86
X982635		5.77	<0.005	1.0	0.87	7	<10	<10	<0.5	<2	7.2	0.7	30	5	2320	7.79
X982636		5.45	<0.005	1.0	1.71	7	<10	20	<0.5	2	5.01	<0.5	31	7	1970	6.99
X982637		4.60	<0.005	0.3	1.20	3	<10	10	<0.5	<2	2.58	<0.5	7	9	492	2.41
X982638		5.16	<0.005	0.4	2.05	6	<10	10	<0.5	<2	3.37	<0.5	18	8	680	4.76
X982639		5.37	<0.005	0.4	1.66	7	<10	10	<0.5	<2	7.8	<0.5	27	10	1270	5.80
X982640		5.79	0.006	1.0	0.86	6	<10	<10	<0.5	<2	6.33	<0.5	25	15	2070	4.14
X982641		5.94	0.006	1.3	1.68	4	<10	10	<0.5	<2	8.0	0.8	13	15	3760	5.11
X982642		5.60	<0.005	0.3	1.20	4	<10	10	<0.5	<2	4.28	<0.5	3	19	912	1.65
X982643		5.31	0.006	3.0	1.09	6	<10	<10	<0.5	<2	6.14	1.7	19	18	9670	3.86
X982644		3.91	0.012	1.8	1.34	2	10	<10	<0.5	<2	8.3	0.8	14	17	6260	5.89
X982645		4.37	0.005	2.2	1.64	3	<10	<10	<0.5	<2	8.8	1.4	18	13	9890	6.27
X982646		4.25	0.024	5.1	0.51	8	<10	<10	<0.5	4	6.15	1.8	52	20	>10000	5.64
X982647		6.20	0.006	0.7	1.23	4	<10	<10	<0.5	<2	7.9	<0.5	10	20	2600	5.34



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Page: 2 - B
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		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
X982608		<10	<1	0.08	10	0.89	313	12	0.07	18	820	2	0.34	<2	3	116
X982609		<10	1	0.04	10	0.32	147	42	0.08	30	1030	<2	2.27	<2	1	97
X982610		<10	1	0.06	10	0.17	556	71	0.05	36	890	<2	4.68	<2	1	256
X982611		10	1	0.01	<10	0.18	1675	455	0.02	11	380	<2	0.72	<2	2	12
X982612		<10	1	0.01	<10	0.37	1185	485	0.03	35	530	<2	3.14	2	1	50
X982613		<10	<1	0.01	<10	0.28	688	12	0.03	47	740	<2	3.72	<2	1	58
X982614		<10	1	0.03	<10	0.20	702	19	0.05	169	750	3	6.50	2	1	125
X982615		<10	<1	0.02	<10	0.18	1695	4	0.02	249	420	5	9.25	<2	1	86
X982616		<10	2	0.01	<10	0.29	2520	2	0.02	622	470	7	>10.0	<2	<1	28
X982617		10	2	0.02	<10	2.25	27400	8	0.03	272	660	34	>10.0	21	4	102
X982618		<10	1	0.08	<10	1.49	3710	2	0.02	131	780	4	8.55	<2	3	102
X982619		<10	1	0.01	<10	0.47	3010	1	0.01	22	690	<2	2.45	<2	1	24
X982620		<10	1	<0.01	<10	0.40	2700	4	0.01	13	560	<2	1.12	<2	<1	17
X982621		<10	<1	0.04	<10	0.72	2390	238	0.03	30	680	<2	3.01	2	1	424
X982622		<10	<1	0.06	<10	0.72	2460	468	0.04	16	310	<2	3.26	<2	<1	443
X982623		<10	1	0.04	<10	0.58	2310	1015	0.04	14	260	<2	3.65	<2	<1	252
X982624		10	1	0.07	10	2.01	1075	282	0.15	8	1920	<2	0.29	<2	5	140
X982625		<10	<1	0.01	<10	0.56	60	4	0.02	13	70	<2	0.01	<2	<1	89
X982626		<10	1	0.01	<10	0.75	2210	3590	0.03	13	280	<2	3.38	<2	<1	27
X982627		<10	1	<0.01	<10	0.11	2180	27	0.01	25	190	<2	6.56	<2	<1	18
X982628		<10	<1	<0.01	<10	0.12	2040	8	0.01	25	330	<2	6.62	<2	<1	19
X982629		<10	1	<0.01	<10	0.18	2040	4	0.01	17	490	<2	5.05	<2	<1	17
X982630		<10	1	<0.01	<10	0.17	1960	2	0.01	13	530	<2	4.48	<2	<1	13
X982631		<10	1	<0.01	<10	0.11	2230	5	0.01	20	450	<2	8.12	2	<1	12
X982632		<10	1	<0.01	<10	0.11	2330	4	0.01	8	410	<2	3.09	2	<1	12
X982633		<10	<1	<0.01	<10	0.40	1485	4	0.01	10	410	2	4.40	<2	<1	13
X982634		<10	<1	<0.01	<10	0.41	1620	1	0.01	19	570	2	7.67	<2	<1	17
X982635		<10	<1	<0.01	<10	0.25	2030	1	0.01	17	870	<2	7.08	<2	1	13
X982636		<10	<1	0.06	10	0.16	1245	8	0.07	14	900	<2	7.08	<2	1	472
X982637		<10	<1	0.03	10	0.20	425	42	0.12	11	930	<2	2.29	<2	1	140
X982638		10	<1	0.05	20	0.16	639	4	0.15	12	1220	<2	4.62	<2	1	523
X982639		<10	<1	0.02	10	0.29	1650	22	0.05	6	990	<2	2.55	<2	2	91
X982640		<10	<1	<0.01	10	0.40	1695	35	0.01	5	1260	<2	1.36	<2	2	10
X982641		<10	1	0.01	<10	0.49	1810	390	0.02	6	760	<2	0.73	<2	2	48
X982642		<10	<1	0.01	10	0.29	666	8	0.01	5	750	<2	0.23	<2	1	30
X982643		<10	<1	0.01	10	0.27	1100	228	0.01	6	1080	<2	1.29	<2	3	49
X982644		<10	<1	0.01	10	0.23	1610	2950	0.03	4	950	<2	1.14	<2	3	63
X982645		<10	1	0.02	10	0.21	1670	101	0.03	7	840	<2	1.22	3	3	67
X982646		<10	<1	<0.01	10	0.48	1345	648	<0.01	28	1360	<2	3.27	<2	4	24
X982647		<10	<1	0.01	<10	0.31	1660	401	0.01	4	780	<2	0.63	2	3	24



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Page: 2 - C
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CERTIFICATE OF ANALYSIS WH20050721

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46
		Th	Ti	Tl	U	V	W	Zn	Cu
		ppm	%	ppm	ppm	ppm	ppm	ppm	%
		20	0.01	10	10	1	10	2	0.001
X982608		<20	0.09	<10	<10	36	<10	23	
X982609		<20	0.09	<10	<10	18	<10	22	
X982610		<20	0.08	<10	10	11	<10	86	
X982611		<20	0.06	<10	<10	54	<10	14	
X982612		<20	0.04	<10	<10	13	<10	82	
X982613		<20	0.06	<10	<10	10	<10	96	
X982614		<20	0.05	<10	<10	9	<10	129	
X982615		<20	0.03	<10	<10	9	<10	205	
X982616		<20	0.01	<10	<10	5	<10	3260	3.50
X982617		<20	0.04	<10	<10	37	<10	4490	
X982618		<20	0.05	<10	<10	24	<10	162	
X982619		<20	0.04	<10	<10	17	<10	38	
X982620		<20	0.02	<10	<10	15	<10	25	
X982621		<20	0.05	<10	<10	23	<10	44	
X982622		<20	0.05	<10	<10	29	<10	78	
X982623		<20	0.05	<10	<10	34	<10	140	
X982624		<20	0.23	<10	<10	79	<10	116	
X982625		<20	<0.01	<10	<10	<1	<10	<2	
X982626		<20	0.04	<10	<10	27	<10	393	1.770
X982627		<20	0.04	<10	<10	21	<10	41	
X982628		<20	0.03	<10	<10	19	<10	20	
X982629		<20	0.04	<10	<10	23	<10	27	
X982630		<20	0.03	<10	<10	19	<10	50	
X982631		<20	0.06	<10	<10	26	<10	68	
X982632		<20	0.06	<10	<10	27	<10	19	
X982633		<20	0.02	<10	<10	10	<10	53	
X982634		<20	0.03	<10	<10	10	<10	71	
X982635		<20	0.05	<10	<10	12	<10	70	
X982636		20	0.11	<10	<10	19	<10	66	
X982637		<20	0.13	<10	<10	22	<10	14	
X982638		<20	0.14	<10	10	20	<10	44	
X982639		<20	0.12	<10	<10	27	<10	36	
X982640		<20	0.06	<10	<10	16	<10	22	
X982641		<20	0.07	<10	<10	28	<10	80	
X982642		<20	0.06	<10	<10	16	<10	23	
X982643		<20	0.08	<10	<10	32	<10	133	
X982644		<20	0.05	<10	<10	45	<10	67	
X982645		<20	0.05	<10	<10	43	<10	108	
X982646		<20	0.02	<10	<10	17	<10	101	2.38
X982647		<20	0.02	<10	<10	38	<10	21	



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Page: 3 - A
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Sample Description	Method	WEI-21	Au-AA23	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.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOD		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
X982648		5.68	<0.005	0.9	1.60	3	<10	<10	<0.5	<2	8.1	<0.5	10	16	3580	4.82
X982649		5.93	<0.005	<0.2	1.37	5	<10	<10	<0.5	<2	5.15	<0.5	<1	20	78	1.97
X982650		1.41	<0.005	<0.2	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	22	0.09
X982651		5.30	<0.005	<0.2	1.52	10	<10	<10	<0.5	<2	5.19	<0.5	<1	22	87	1.69
X982652		5.64	<0.005	<0.2	1.66	8	<10	10	<0.5	<2	3.91	<0.5	<1	19	10	0.80
X982653		6.00	<0.005	<0.2	1.41	6	<10	<10	<0.5	<2	4.51	<0.5	<1	19	31	1.46
X982654		5.48	<0.005	<0.2	1.79	6	<10	10	<0.5	<2	4.56	<0.5	1	19	124	1.35
X982655		5.97	<0.005	0.2	1.36	6	<10	<10	<0.5	<2	5.47	<0.5	1	18	393	2.09
X982656		6.17	<0.005	0.3	2.43	4	<10	<10	<0.5	<2	12.3	<0.5	3	15	953	7.41
X982657		5.79	<0.005	0.3	2.34	8	<10	<10	<0.5	<2	12.7	<0.5	9	24	962	8.33
X982658		4.21	<0.005	0.3	2.32	6	<10	<10	<0.5	<2	11.1	<0.5	2	21	783	6.45
X982659		3.93	<0.005	0.5	2.29	4	<10	<10	<0.5	<2	12.3	<0.5	5	33	2340	7.64
X982660		4.43	0.008	1.8	1.96	7	<10	<10	<0.5	2	11.9	0.6	20	34	7230	8.09
X982661		4.46	<0.005	1.6	1.83	8	<10	<10	<0.5	2	12.5	<0.5	6	31	6880	8.50
X982662		2.89	0.006	3.6	1.95	8	<10	<10	<0.5	3	11.2	0.7	32	31	>10000	7.72
X982663		5.41	<0.005	1.5	2.24	5	<10	<10	<0.5	<2	12.8	0.9	8	29	5650	7.90
X982664		5.44	<0.005	<0.2	1.74	7	<10	<10	<0.5	<2	6.63	<0.5	1	21	68	2.17
X982665		5.95	<0.005	0.2	1.92	3	<10	10	<0.5	<2	6.53	<0.5	2	11	438	2.17
X982666		4.82	<0.005	0.4	1.41	8	<10	10	<0.5	<2	5.36	<0.5	6	12	1970	1.73
X982667		5.62	<0.005	0.9	1.38	5	<10	<10	<0.5	<2	6.64	<0.5	2	15	2860	3.58
X982668		5.83	<0.005	0.6	1.68	4	<10	10	<0.5	3	6.42	<0.5	1	25	1685	3.09
X982669		6.29	<0.005	0.3	1.18	7	<10	<10	<0.5	<2	4.34	<0.5	2	21	1625	1.69
X982670		5.38	<0.005	0.3	1.16	7	<10	<10	<0.5	<2	3.62	<0.5	2	19	1000	1.12
X982671		5.02	<0.005	0.2	1.49	10	<10	<10	<0.5	<2	3.75	<0.5	1	20	500	0.91
X982672		5.33	<0.005	<0.2	1.34	7	<10	<10	<0.5	<2	4.28	<0.5	<1	24	73	1.14
X982673		5.80	<0.005	<0.2	1.74	5	<10	10	<0.5	<2	5.87	<0.5	<1	12	94	1.91
X982674		5.56	<0.005	<0.2	2.03	6	<10	<10	<0.5	<2	6.6	<0.5	<1	9	22	1.95
X982675		1.52	<0.005	<0.2	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	7	0.08
X982676		5.00	<0.005	0.3	2.04	9	<10	<10	<0.5	<2	9.1	<0.5	4	22	702	4.37
X982677		5.58	0.005	1.7	1.80	4	<10	<10	<0.5	<2	9.7	1.7	26	28	6610	6.34
X982678		5.88	<0.005	0.9	2.00	2	<10	<10	<0.5	<2	10.3	0.6	10	11	2680	6.11
X982679		5.60	<0.005	0.3	1.70	5	<10	<10	<0.5	<2	8.9	<0.5	10	9	450	5.18
X982680		6.02	<0.005	0.3	1.78	5	<10	<10	<0.5	<2	8.8	<0.5	8	8	600	5.42
X982681		6.05	<0.005	0.2	1.39	4	<10	<10	<0.5	<2	7.6	<0.5	1	10	86	3.74
X982682		5.88	0.007	0.2	1.35	3	<10	<10	<0.5	<2	7.4	<0.5	1	10	28	3.73
X982683		6.25	<0.005	0.2	1.69	4	<10	<10	<0.5	<2	8.4	<0.5	2	11	7	4.31
X982684		6.35	<0.005	<0.2	1.51	5	<10	<10	<0.5	<2	8.0	<0.5	1	8	3	3.84
X982685		6.08	<0.005	0.2	1.09	17	<10	<10	<0.5	<2	15.2	<0.5	2	9	22	12.00
X982686		6.36	<0.005	0.3	0.75	31	<10	<10	<0.5	<2	15.3	0.6	2	8	66	13.15
X982687		5.74	<0.005	0.2	1.34	5	<10	<10	<0.5	<2	12.2	<0.5	2	8	13	9.02



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To: KLUANE DRILLING LTD
 14 MACDONALD ROAD
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Page: 3 - B
 Total # Pages: 4 (A - C)
 Plus Appendix Pages
 Finalized Date: 19-MAR-2020
 Account: KLUDRIL

Project: Cowley

CERTIFICATE OF ANALYSIS WH20050721

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	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
X982648		<10	1	<0.01	<10	0.26	1705	77	0.01	6	780	<2	0.63	<2	2	9
X982649		<10	<1	0.01	<10	0.18	813	4	0.01	1	710	<2	0.03	<2	1	13
X982650		<10	<1	0.01	<10	0.45	77	1	0.01	10	70	<2	0.01	<2	<1	89
X982651		<10	<1	0.01	10	0.11	697	2	0.01	<1	1450	<2	0.02	2	2	30
X982652		<10	<1	0.01	10	0.10	385	1	0.02	<1	910	<2	<0.01	<2	1	78
X982653		<10	1	0.01	10	0.12	637	3	0.01	<1	710	<2	0.01	<2	1	25
X982654		<10	<1	0.01	10	0.15	598	4	0.01	1	800	<2	0.03	<2	1	79
X982655		<10	1	0.01	<10	0.18	774	21	0.01	<1	700	<2	0.08	3	1	13
X982656		10	<1	0.01	<10	0.15	1960	40	0.01	3	270	<2	0.21	<2	1	6
X982657		10	<1	0.01	<10	0.13	1935	55	0.01	8	550	<2	0.56	<2	2	6
X982658		10	1	<0.01	<10	0.16	1860	49	0.01	1	470	<2	0.16	<2	1	7
X982659		10	1	<0.01	<10	0.25	2240	350	0.01	6	440	<2	0.34	<2	2	10
X982660		10	<1	<0.01	<10	0.17	2220	1410	0.01	10	560	<2	0.90	<2	2	7
X982661		10	1	<0.01	<10	0.14	2230	2910	0.01	6	710	<2	0.90	<2	2	10
X982662		10	<1	<0.01	<10	0.16	2080	46	0.01	22	770	<2	1.65	<2	3	11
X982663		10	<1	<0.01	<10	0.20	2390	467	0.01	6	610	<2	0.62	<2	2	10
X982664		<10	<1	0.01	<10	0.30	1015	23	0.01	1	700	<2	0.02	<2	2	24
X982665		<10	<1	0.01	<10	0.21	1015	286	0.01	1	240	<2	0.13	<2	1	19
X982666		<10	<1	0.01	<10	0.27	756	11	0.01	5	740	<2	0.25	<2	1	22
X982667		<10	1	<0.01	<10	0.29	1035	61	0.01	2	710	<2	0.31	<2	2	13
X982668		<10	<1	0.01	<10	0.22	1075	52	0.02	<1	540	<2	0.18	<2	2	31
X982669		<10	1	0.01	10	0.22	639	168	0.01	2	1010	<2	0.21	2	2	53
X982670		<10	1	0.01	10	0.14	451	11	0.01	1	910	<2	0.12	<2	1	48
X982671		<10	1	0.02	10	0.13	426	82	0.02	1	1200	<2	0.07	<2	1	59
X982672		<10	<1	0.01	10	0.11	541	5	0.01	<1	920	<2	0.01	<2	1	31
X982673		<10	<1	0.02	10	0.08	882	11	0.02	<1	660	<2	0.01	<2	1	22
X982674		<10	<1	0.01	<10	0.10	929	34	0.01	1	670	<2	0.01	<2	1	20
X982675		<10	<1	<0.01	<10	0.50	73	<1	0.01	12	70	<2	<0.01	<2	<1	91
X982676		<10	<1	0.01	10	0.19	1495	67	0.01	7	1610	<2	0.24	2	2	16
X982677		10	<1	<0.01	<10	0.17	1810	53	<0.01	9	370	4	1.26	<2	3	19
X982678		<10	<1	<0.01	<10	0.16	2190	119	0.01	4	130	4	0.57	<2	1	7
X982679		<10	<1	<0.01	<10	0.10	1890	11	<0.01	4	220	<2	0.74	<2	1	4
X982680		<10	<1	<0.01	<10	0.10	2130	3	<0.01	5	260	2	0.79	<2	<1	4
X982681		<10	1	0.01	<10	0.08	1505	1	0.01	1	520	2	0.10	<2	<1	6
X982682		<10	<1	<0.01	<10	0.05	1425	1	<0.01	2	190	2	0.04	<2	<1	2
X982683		<10	<1	<0.01	<10	0.07	1585	3	0.01	1	320	3	0.02	<2	1	5
X982684		<10	<1	<0.01	<10	0.05	1435	2	0.01	<1	280	3	<0.01	2	1	4
X982685		10	1	<0.01	<10	0.08	1565	189	<0.01	2	180	4	0.08	<2	<1	2
X982686		10	1	<0.01	<10	0.07	1245	206	<0.01	2	140	3	0.03	<2	<1	1
X982687		10	<1	<0.01	<10	0.09	1645	4	0.01	1	140	6	0.02	<2	<1	1



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To: KLUANE DRILLING LTD
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Page: 3 - C
 Total # Pages: 4 (A - C)
 Plus Appendix Pages
 Finalized Date: 19-MAR-2020
 Account: KLUDRIL

Project: Cowley

CERTIFICATE OF ANALYSIS WH20050721

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46
		Th	Ti	Tl	U	V	W	Zn	Cu
		ppm	%	ppm	ppm	ppm	ppm	ppm	%
		20	0.01	10	10	1	10	2	0.001
X982648		<20	0.05	<10	<10	35	<10	20	
X982649		<20	0.05	<10	<10	16	10	8	
X982650		<20	<0.01	<10	<10	<1	<10	14	
X982651		<20	0.06	<10	<10	19	<10	6	
X982652		<20	0.05	<10	10	14	<10	5	
X982653		<20	0.05	<10	<10	17	<10	6	
X982654		<20	0.05	<10	<10	15	<10	8	
X982655		<20	0.05	<10	<10	14	<10	12	
X982656		<20	0.04	<10	<10	20	<10	14	
X982657		<20	0.05	<10	<10	24	<10	8	
X982658		<20	0.04	<10	<10	22	<10	9	
X982659		<20	0.06	<10	<10	25	<10	26	
X982660		<20	0.06	<10	<10	26	<10	43	
X982661		<20	0.06	<10	<10	29	<10	26	
X982662		<20	0.07	<10	<10	28	<10	33	1.595
X982663		<20	0.06	<10	<10	26	<10	64	
X982664		<20	0.05	<10	<10	18	<10	15	
X982665		<20	0.03	<10	<10	17	<10	14	
X982666		<20	0.04	<10	<10	11	<10	18	
X982667		<20	0.04	<10	10	22	<10	22	
X982668		<20	0.07	<10	<10	23	<10	14	
X982669		<20	0.06	<10	10	17	<10	30	
X982670		<20	0.06	<10	10	16	<10	12	
X982671		<20	0.06	<10	10	16	<10	11	
X982672		<20	0.07	<10	<10	16	<10	8	
X982673		<20	0.06	<10	10	16	<10	8	
X982674		<20	0.04	<10	<10	18	<10	7	
X982675		<20	<0.01	<10	<10	<1	<10	<2	
X982676		<20	0.06	<10	<10	22	<10	11	
X982677		<20	0.06	<10	<10	27	<10	77	
X982678		<20	0.05	<10	<10	34	<10	22	
X982679		<20	0.04	<10	<10	27	<10	7	
X982680		<20	0.05	<10	<10	32	<10	7	
X982681		<20	0.03	<10	<10	21	<10	6	
X982682		<20	0.03	<10	<10	21	<10	3	
X982683		<20	0.04	<10	<10	27	<10	4	
X982684		<20	0.03	<10	<10	20	<10	3	
X982685		<20	0.01	<10	<10	49	10	3	
X982686		<20	0.01	<10	<10	51	<10	3	
X982687		<20	0.01	<10	<10	36	<10	5	



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To: KLUANE DRILLING LTD
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Page: 4 - A
 Total # Pages: 4 (A - C)
 Plus Appendix Pages
 Finalized Date: 19-MAR-2020
 Account: KLUDRIL

Project: Cowley

CERTIFICATE OF ANALYSIS WH20050721

Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	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	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
X982688		5.00	<0.005	0.2	0.91	5	<10	20	<0.5	2	4.84	<0.5	11	7	350	3.96
X982689		5.83	<0.005	0.2	0.83	6	<10	10	<0.5	<2	2.17	<0.5	14	9	520	2.04
X982690		4.00	<0.005	0.4	1.40	25	<10	<10	<0.5	<2	16.6	<0.5	7	13	403	14.50
X982691		4.45	0.008	0.3	0.61	4	<10	20	<0.5	<2	1.82	<0.5	7	26	709	1.52
X982692		4.90	<0.005	0.2	0.55	2	<10	30	<0.5	<2	0.75	<0.5	8	17	580	1.05
X982693		4.92	<0.005	0.5	0.58	4	<10	30	<0.5	<2	0.82	<0.5	8	8	1020	1.04
X982694		3.56	<0.005	0.6	0.78	3	<10	10	<0.5	<2	2.20	0.7	15	7	1720	2.46
X982695		4.62	<0.005	0.2	0.66	3	<10	20	<0.5	<2	1.08	<0.5	13	11	574	1.56
X982696		5.74	<0.005	0.3	1.09	4	<10	10	<0.5	<2	3.89	<0.5	13	16	302	3.64
X982697		4.65	<0.005	<0.2	0.82	4	<10	30	<0.5	<2	1.75	<0.5	8	18	245	2.05
X982698		6.38	<0.005	0.2	1.26	5	<10	<10	<0.5	<2	4.05	<0.5	9	10	182	4.16
X982699		5.89	0.005	0.3	1.20	7	<10	20	<0.5	<2	4.51	<0.5	11	12	242	5.81
X982700		1.39	<0.005	0.2	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	8	0.08



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 14 MACDONALD ROAD
 WHITEHORSE YT Y1A 4L2

Page: 4 - B
 Total # Pages: 4 (A - C)
 Plus Appendix Pages
 Finalized Date: 19-MAR-2020
 Account: KLUDRIL

Project: Cowley

CERTIFICATE OF ANALYSIS WH20050721

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	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
X982688		<10	<1	0.05	<10	0.19	788	90	0.07	18	630	3	0.57	<2	1	42
X982689		<10	<1	0.03	<10	0.28	339	95	0.08	20	730	4	1.01	<2	1	73
X982690		10	1	<0.01	<10	0.07	2780	524	0.01	10	270	5	0.80	<2	1	3
X982691		<10	1	0.04	10	0.25	337	66	0.07	26	990	<2	0.35	<2	1	39
X982692		<10	<1	0.06	10	0.28	107	20	0.12	19	1060	3	0.41	<2	1	45
X982693		<10	<1	0.04	10	0.15	61	23	0.11	22	1040	3	0.91	<2	1	115
X982694		<10	<1	0.02	10	0.11	168	97	0.06	17	850	<2	2.37	<2	1	133
X982695		<10	<1	0.03	10	0.24	145	14	0.10	20	860	<2	1.35	<2	1	63
X982696		<10	<1	0.01	10	0.19	656	7	0.03	10	790	<2	2.62	<2	3	127
X982697		<10	<1	0.06	10	0.34	279	75	0.07	15	1000	2	1.26	<2	1	79
X982698		10	<1	0.01	10	0.29	658	1	0.02	7	760	2	3.06	<2	2	137
X982699		<10	1	0.01	<10	0.31	662	2	0.02	5	660	2	5.36	2	2	207
X982700		<10	<1	0.01	<10	0.53	74	<1	0.01	5	70	<2	0.01	2	<1	101



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To: KLUANE DRILLING LTD
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 WHITEHORSE YT Y1A 4L2

Page: 4 - C
 Total # Pages: 4 (A - C)
 Plus Appendix Pages
 Finalized Date: 19-MAR-2020
 Account: KLUDRIL

Project: Cowley

CERTIFICATE OF ANALYSIS WH20050721

Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46
		Th	Ti	Tl	U	V	W	Zn	Cu
		ppm	%	ppm	ppm	ppm	ppm	ppm	%
		20	0.01	10	10	1	10	2	0.001
X982688		<20	0.11	<10	<10	29	10	10	
X982689		<20	0.12	<10	<10	21	<10	16	
X982690		<20	0.04	<10	40	104	120	9	
X982691		<20	0.11	<10	<10	23	10	14	
X982692		<20	0.12	<10	<10	23	<10	14	
X982693		<20	0.12	<10	<10	14	<10	23	
X982694		<20	0.11	<10	<10	13	<10	51	
X982695		<20	0.13	<10	<10	18	<10	11	
X982696		<20	0.11	<10	<10	26	<10	10	
X982697		<20	0.14	<10	<10	30	<10	13	
X982698		<20	0.11	<10	10	24	<10	15	
X982699		<20	0.10	<10	<10	19	<10	27	
X982700		<20	<0.01	<10	<10	1	<10	2	



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 19-MAR-2020
Account: KLUDRIL

Project: Cowley

CERTIFICATE OF ANALYSIS WH20050721

CERTIFICATE COMMENTS

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: Au-AA23 Cu-OG46 ME-ICP41 ME-OG46