



ALS Canada Ltd.  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7  
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Page: 1  
Finalized Date: 5-JUN-2012  
Account: KLUDRIL

**CERTIFICATE WH12109334**

Project: Whitehorse Copper

P.O. No.:

This report is for 49 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25-MAY-2012.

The following have access to data associated with this certificate:

ROBERT STROSHEIN

**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-32	Pulverize 1000g to 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	VARIABLE
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

To: KLUANE DRILLING LTD  
ATTN: ROBERT STROSHEIN  
14 MACDONALD ROAD  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12109334**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
K931662		6.38	0.148	3.3	2.12	27	40	20	<0.5	26	6.06	<0.5	11	18	3430	2.10
K931663		3.04	0.006	<0.2	2.88	9	60	<10	<0.5	<2	9.6	<0.5	4	19	165	0.88
K931664		4.01	0.044	3.5	2.64	39	100	10	0.5	25	3.59	<0.5	8	15	2090	1.56
K931665		4.00	0.009	0.2	3.73	3	60	120	<0.5	<2	3.43	<0.5	5	17	235	0.75
K931666		5.26	0.004	0.2	3.13	14	40	30	<0.5	<2	10.0	<0.5	6	18	159	0.90
K931667		4.25	0.063	3.3	3.06	49	110	10	<0.5	20	3.45	<0.5	34	12	3740	7.27
K931668		2.67	0.018	1.5	1.20	8	60	20	<0.5	2	19.2	<0.5	3	11	1880	0.49
K931669		2.35	0.410	13.1	0.80	54	220	10	<0.5	95	1.30	<0.5	51	18	>10000	19.4
K931670		2.42	2.10	85.8	1.69	<2	10	40	<0.5	46	1.43	3.1	4	6	>10000	1.94
K931671		4.87	0.008	0.3	1.76	14	<10	70	<0.5	<2	1.19	<0.5	33	246	213	3.48
K931672		4.90	0.006	0.5	1.72	4	<10	120	<0.5	<2	1.20	<0.5	26	203	294	2.72
K931673		5.27	0.003	<0.2	2.06	6	<10	140	<0.5	<2	1.69	<0.5	29	270	151	2.97
K931674		5.72	0.005	0.3	0.86	6	<10	60	<0.5	<2	1.37	1.4	83	26	437	4.76
K931675		5.43	0.004	<0.2	1.80	11	<10	50	<0.5	<2	1.69	<0.5	26	89	140	3.75
K931676		5.57	0.012	<0.2	1.43	12	<10	30	<0.5	<2	14.2	1.0	3	10	148	6.46
K931677		4.67	0.007	0.6	1.56	7	<10	60	<0.5	2	2.76	0.6	7	19	709	1.30
K931678		4.83	0.003	<0.2	4.99	22	<10	80	1.0	2	2.75	<0.5	13	38	82	3.08
K931679		5.25	0.008	<0.2	3.56	11	<10	90	0.8	2	3.26	<0.5	11	24	104	2.55
K931680		5.23	0.001	<0.2	3.22	3	<10	50	<0.5	2	6.24	<0.5	4	9	8	1.73
K931681		4.92	0.001	<0.2	4.14	3	<10	10	<0.5	<2	8.2	<0.5	6	9	9	2.42
K931682		6.75	0.001	<0.2	3.46	2	<10	10	<0.5	<2	8.4	<0.5	5	8	6	3.00
K931683		5.69	0.002	<0.2	1.84	9	<10	10	<0.5	2	4.36	<0.5	4	17	17	1.02
K931684		5.96	0.002	<0.2	1.72	25	<10	30	<0.5	2	6.38	<0.5	1	3	9	1.93
K931685		5.96	0.002	<0.2	2.36	6	<10	30	<0.5	<2	6.08	<0.5	4	14	38	2.25
K931686		5.88	0.002	<0.2	2.02	2	<10	30	<0.5	2	8.2	<0.5	2	21	7	3.62
K931687		5.17	0.002	<0.2	2.42	5	<10	50	<0.5	2	9.2	<0.5	7	50	22	3.26
K931688		5.00	0.003	<0.2	1.91	5	<10	90	<0.5	<2	8.6	<0.5	2	31	6	2.78
K931689		4.06	0.001	<0.2	1.95	4	<10	<10	<0.5	<2	8.5	<0.5	3	22	6	2.81
K931690		4.43	0.005	0.4	0.85	3	<10	10	<0.5	2	3.31	<0.5	3	3	99	0.67
K931691		4.68	0.017	1.2	2.24	9	<10	80	<0.5	6	2.87	<0.5	6	4	804	0.73
K931692		3.13	0.693	20.2	2.42	33	10	10	<0.5	63	3.62	0.8	22	22	>10000	5.74
K931693		4.29	0.010	0.3	2.98	73	60	10	<0.5	3	2.56	0.7	16	21	251	1.58
K931694		2.93	0.006	<0.2	1.86	19	<10	60	<0.5	2	5.53	<0.5	2	9	79	1.04
K931695		3.43	0.002	<0.2	2.54	11	<10	100	<0.5	2	4.62	<0.5	5	19	11	0.73
K931696		5.65	0.010	0.2	2.48	16	50	20	<0.5	<2	6.55	<0.5	10	20	61	1.54
K931697		5.31	0.135	2.8	2.91	13	10	40	<0.5	10	8.5	0.5	12	18	1915	1.51
K931698		5.90	0.002	<0.2	1.63	5	<10	160	<0.5	2	3.65	<0.5	4	13	60	1.04
K931699		5.24	0.002	<0.2	1.99	5	<10	10	<0.5	<2	7.6	<0.5	2	6	15	1.23
K931700		5.69	0.001	<0.2	2.07	4	<10	70	<0.5	2	5.51	<0.5	2	5	10	1.65
K931701		6.39	0.002	<0.2	2.72	7	<10	20	<0.5	<2	3.57	<0.5	6	18	13	0.86



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**CERTIFICATE OF ANALYSIS WH12109334**

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
K931662		10	<1	0.04	10	11.20	787	3	0.02	16	440	6	0.42	3	2	70
K931663		10	<1	<0.01	10	13.80	378	1	0.02	9	240	2	0.09	3	3	58
K931664		10	1	0.02	20	16.40	1010	12	0.02	6	80	9	0.26	3	2	27
K931665		10	<1	0.02	10	14.80	620	12	0.03	7	480	5	0.11	2	2	64
K931666		10	1	0.02	10	12.45	322	5	0.02	12	200	3	0.04	<2	3	86
K931667		10	1	0.02	<10	10.35	831	182	0.02	3	590	<2	0.17	<2	3	26
K931668		<10	1	0.01	<10	9.36	662	12	0.02	5	200	<2	0.16	<2	2	121
K931669		20	<1	0.03	<10	13.55	1710	950	0.02	3	100	2	0.38	<2	2	3
K931670		<10	<1	0.05	10	3.61	218	29	0.07	2	770	281	2.08	<2	1	115
K931671		10	<1	0.18	10	1.78	207	18	0.10	136	960	5	2.00	<2	2	97
K931672		10	<1	0.26	10	1.55	223	5	0.15	117	940	6	1.30	<2	3	131
K931673		10	<1	0.32	10	2.03	258	57	0.11	122	1100	39	1.51	<2	2	182
K931674		10	<1	0.12	10	0.21	98	4	0.11	94	670	48	4.75	<2	1	189
K931675		10	<1	0.16	10	1.28	237	7	0.11	42	1690	24	2.57	<2	2	235
K931676		10	<1	0.03	10	0.35	1200	11	0.03	2	550	21	0.28	<2	2	58
K931677		<10	<1	0.17	10	1.01	391	28	0.13	13	1280	16	0.50	<2	2	113
K931678		10	<1	0.70	10	2.40	230	3	0.48	24	1380	5	1.93	<2	7	327
K931679		10	<1	0.30	10	1.14	242	17	0.27	22	1150	12	2.04	<2	3	279
K931680		<10	<1	0.15	<10	0.54	474	9	0.05	9	660	2	0.05	<2	2	288
K931681		10	<1	0.06	<10	0.74	587	8	0.02	10	750	3	0.09	<2	2	108
K931682		10	<1	0.03	<10	0.55	727	12	0.02	10	610	2	0.04	2	2	80
K931683		<10	<1	0.05	10	0.47	276	2	0.04	11	1610	2	0.03	<2	2	88
K931684		<10	<1	0.04	10	0.14	577	5	0.03	4	3310	4	0.02	<2	1	138
K931685		<10	<1	0.09	10	0.38	552	42	0.04	8	1130	2	0.05	<2	3	124
K931686		10	<1	0.04	<10	0.36	826	3	0.03	4	550	3	0.01	<2	3	161
K931687		10	<1	0.16	<10	1.25	1555	6	0.03	14	1140	9	0.09	<2	5	280
K931688		<10	<1	0.05	<10	0.30	743	3	0.03	5	580	2	0.01	<2	2	272
K931689		<10	<1	0.02	10	0.72	606	3	0.03	6	470	<2	0.01	3	1	41
K931690		<10	<1	0.01	<10	1.76	293	11	0.02	5	110	3	0.01	<2	<1	25
K931691		10	<1	0.08	<10	2.36	326	119	0.02	12	80	7	0.05	<2	<1	99
K931692		10	<1	0.02	<10	4.21	749	24	0.01	44	50	24	0.97	5	1	39
K931693		10	<1	<0.01	10	9.94	965	2	0.01	27	260	36	0.07	2	2	23
K931694		<10	1	0.02	10	1.08	673	2	0.02	6	1350	8	0.02	2	1	91
K931695		<10	<1	0.07	10	1.47	428	2	0.05	16	1230	5	0.04	<2	1	233
K931696		10	1	0.03	10	10.70	669	3	0.01	17	350	6	0.13	<2	4	70
K931697		10	<1	0.11	<10	3.68	287	10	0.02	23	180	2	0.43	<2	2	125
K931698		<10	1	0.11	10	1.68	562	16	0.07	8	730	9	0.02	2	2	125
K931699		<10	<1	0.03	<10	1.15	850	15	0.02	4	810	3	0.02	2	2	102
K931700		<10	<1	0.08	<10	0.63	773	15	0.03	4	770	2	0.01	2	2	165
K931701		<10	<1	0.04	<10	3.20	412	6	0.02	11	390	<2	0.05	3	1	75



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Project: Whitehorse Copper

**CERTIFICATE OF ANALYSIS WH12109334**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46	Cu-AA46
		Th	Ti	Ti	U	V	W	Zn	Cu	Cu
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	%
		20	0.01	10	10	1	10	2	0.001	0.001
K931662		<20	0.05	<10	<10	20	<10	123		
K931663		<20	0.08	<10	<10	12	<10	150		
K931664		<20	0.04	<10	10	7	<10	112		
K931665		<20	0.06	<10	<10	17	10	294		
K931666		<20	0.04	<10	<10	9	<10	101		
K931667		<20	0.09	<10	40	19	20	330		
K931668		<20	0.03	<10	<10	13	10	28		
K931669		<20	0.04	<10	50	43	340	145	1.280	1.232
K931670		<20	0.06	<10	<10	18	<10	21	3.03	3.007
K931671		<20	0.23	<10	<10	78	<10	37		
K931672		<20	0.22	<10	<10	69	<10	33		
K931673		<20	0.25	<10	<10	80	<10	56		
K931674		<20	0.09	<10	<10	20	<10	84		
K931675		<20	0.22	<10	<10	89	<10	60		
K931676		<20	0.05	<10	<10	58	<10	210		
K931677		<20	0.12	<10	<10	33	<10	101		
K931678		<20	0.21	<10	<10	83	<10	29		
K931679		<20	0.13	<10	<10	45	<10	29		
K931680		<20	0.05	<10	<10	63	<10	24		
K931681		<20	0.09	<10	<10	96	<10	46		
K931682		<20	0.09	<10	<10	108	<10	32		
K931683		<20	0.15	<10	<10	60	<10	22		
K931684		30	0.06	<10	<10	81	<10	12		
K931685		<20	0.11	<10	<10	75	<10	22		
K931686		<20	0.09	<10	<10	111	<10	21		
K931687		<20	0.10	<10	<10	98	<10	62		
K931688		<20	0.06	<10	<10	42	<10	18		
K931689		<20	0.05	<10	<10	42	<10	138		
K931690		<20	0.02	<10	<10	15	<10	32		
K931691		<20	0.01	<10	<10	17	<10	77		
K931692		<20	0.02	<10	<10	94	<10	187	1.285	1.244
K931693		<20	0.04	<10	<10	26	<10	465		
K931694		<20	0.06	<10	<10	30	<10	37		
K931695		<20	0.11	<10	<10	22	<10	522		
K931696		<20	0.07	<10	<10	23	<10	65		
K931697		<20	0.06	<10	<10	20	<10	76		
K931698		<20	0.14	<10	<10	34	10	35		
K931699		<20	0.08	<10	<10	32	<10	36		
K931700		<20	0.09	<10	<10	38	<10	15		
K931701		<20	0.06	<10	<10	19	<10	272		



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
K931702		5.66	0.001	<0.2	1.96	8	<10	10	<0.5	2	4.91	<0.5	2	7	22	1.07
K931703		5.02	0.013	0.6	2.57	16	20	<10	<0.5	2	9.4	<0.5	12	9	1120	1.60
K931704		2.36	0.224	0.9	1.42	6	60	10	<0.5	<2	9.8	0.5	4	11	1485	1.39
K931705		5.04	0.401	3.9	0.22	7	<10	<10	<0.5	4	4.90	1.6	12	5	8750	4.20
K931706		6.91	0.012	<0.2	2.15	13	<10	<10	<0.5	2	5.86	<0.5	7	57	287	1.88
K931707		4.52	0.222	1.6	1.36	9	<10	<10	<0.5	3	3.98	<0.5	16	52	2590	7.25
K931708		3.30	0.405	1.8	1.60	17	30	10	<0.5	2	3.44	0.5	9	20	2700	2.62
K931709		3.58	0.221	1.4	1.96	21	10	<10	<0.5	6	7.5	<0.5	7	10	1595	2.27
K931710		4.81	0.116	1.0	1.29	7	<10	<10	<0.5	3	15.2	<0.5	3	4	2210	8.07



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K931702		<10	<1	0.03	10	0.76	587	257	0.02	5	800	2	0.03	2	2	89
K931703		10	<1	<0.01	10	4.69	394	7	0.02	12	710	3	0.54	2	3	81
K931704		<10	<1	<0.01	10	14.40	453	3	0.01	16	250	<2	0.19	<2	1	71
K931705		<10	<1	<0.01	<10	1.23	427	4	0.01	4	200	<2	1.09	<2	<1	28
K931706		10	1	<0.01	10	4.33	799	3	0.02	30	940	<2	0.13	2	2	52
K931707		10	<1	<0.01	<10	4.55	718	2	0.02	30	480	<2	0.42	2	1	48
K931708		10	<1	0.01	<10	10.25	751	4	0.02	11	160	2	0.43	2	1	49
K931709		10	1	0.01	10	5.28	632	18	0.02	8	750	2	0.38	2	1	87
K931710		10	<1	<0.01	<10	2.63	1110	15	0.02	3	240	<2	0.41	2	<1	62



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 Finalized Date: 5-JUN-2012  
 Account: KLUDRIL

Project: Whitehorse Copper

**CERTIFICATE OF ANALYSIS WH12109334**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-OG46	Cu-AA46
		Th	Ti	Ti	U	V	W	Zn	Cu	Cu
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	%
		20	0.01	10	10	1	10	2	0.001	0.001
K931702		<20	0.17	<10	<10	32	<10	21		
K931703		<20	0.09	<10	<10	25	<10	110		
K931704		<20	0.06	<10	<10	10	<10	302		
K931705		<20	<0.01	<10	<10	8	<10	155		
K931706		<20	0.07	<10	<10	30	<10	242		
K931707		<20	0.08	<10	<10	26	<10	78		
K931708		<20	0.02	<10	<10	10	<10	277		
K931709		<20	0.04	<10	<10	19	<10	278		
K931710		<20	0.02	<10	10	21	<10	71		