



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Kluane Mineral Resources Inc.**
101 - 1191 Front St.
Whitehorse Yukon Y1A 0K5 Canada

Submitted By: Debbie James
Receiving Lab: Canada-Whitehorse
Received: September 26, 2016
Report Date: October 07, 2016
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CERTIFICATE OF ANALYSIS

WHI16000307.1

CLIENT JOB INFORMATION

Project: Kluane West
Shipment ID:
P.O. Number
Number of Samples: 12

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
RTRN-RJT Return After 90 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Kluane Mineral Resources Inc.
101 - 1191 Front St.
Whitehorse Yukon Y1A 0K5
Canada

CC: Cam MacKay-Stotesbury
Sue Craig

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	12	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA130	12	Fire assay fusion Au Pt Pd by ICP-MS	30	Completed	VAN
MA200	12	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
SHP01	12	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

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Method	WGHT	FA130	FA130	FA130	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	
Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	1	0.1	0.5	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	
1531254	Rock	4.22	2	1.0	1.4	1.4	65.8	6.0	14	0.1	11.1	20.5	403	5.35	41	0.9	2.1	211	0.1	0.4	<0.1
1531255	Rock	3.45	2	1.2	1.4	1.0	149.9	10.8	22	0.4	16.0	38.3	243	8.01	50	1.1	1.4	238	<0.1	1.5	<0.1
1531256	Rock	4.65	2	3.3	2.6	4.5	81.1	10.2	27	0.4	16.4	12.9	174	5.26	118	2.6	2.0	275	0.3	0.6	<0.1
1531257	Rock	2.72	1	1.3	1.5	3.4	62.6	6.4	59	0.2	14.7	14.5	241	6.72	56	1.5	1.7	255	0.9	0.6	<0.1
1531258	Rock	3.39	25	7.1	9.4	3.1	67.1	16.1	114	0.7	63.7	28.1	912	8.43	71	4.1	1.3	178	0.4	4.0	0.1
1531259	Rock	2.79	352	1.1	1.5	20.8	51.5	5.8	51	0.2	52.3	17.5	668	3.54	45	2.9	3.1	163	0.4	1.6	0.2
1531260	Rock	4.44	13	1.7	2.5	28.2	106.6	14.4	92	0.2	100.6	27.9	1021	4.69	178	3.7	1.8	129	0.9	2.0	0.3
1531261	Rock	4.12	12	2.2	2.8	15.7	40.3	12.8	85	0.2	28.3	14.1	760	4.44	155	2.5	1.7	305	1.0	2.4	<0.1
1531262	Rock	3.37	13	2.0	2.9	40.1	41.8	14.4	81	0.4	26.0	12.9	442	4.42	130	3.9	1.9	150	1.0	4.1	<0.1
1531263	Rock	2.23	14	2.2	4.6	28.9	82.0	15.2	1770	0.4	40.0	7.8	510	3.57	221	3.6	2.0	86	8.4	3.4	<0.1
1531264	Rock	2.33	2	0.7	1.1	3.4	38.0	6.2	15	0.3	5.1	6.9	856	6.29	1	0.8	2.0	200	0.1	0.6	<0.1
1531265	Rock	1.71	2	0.9	1.3	0.8	54.1	10.1	37	0.3	11.9	14.4	791	5.35	5	0.7	1.8	346	0.1	0.6	<0.1



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Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc
Unit		ppm	%	%	ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		1	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1
1531254	Rock	219	2.31	0.121	12.4	30	1.54	290	0.469	8.55	5.072	0.88	0.2	42.6	26	0.3	16.2	4.6	0.3	<1	22
1531255	Rock	178	0.58	0.114	37.6	53	1.64	28	0.509	8.12	3.251	3.43	0.3	38.9	87	0.8	23.6	4.1	0.2	1	27
1531256	Rock	183	0.55	0.068	3.8	43	1.72	485	0.500	9.53	4.772	2.17	0.2	75.0	10	0.3	9.4	5.1	0.3	<1	20
1531257	Rock	189	0.87	0.170	9.6	54	1.47	205	0.493	9.55	4.709	1.83	0.2	48.3	19	0.8	14.3	4.2	0.3	<1	24
1531258	Rock	194	3.44	0.139	10.8	271	2.74	72	0.321	5.72	1.474	0.25	0.4	20.9	22	0.7	11.9	2.5	0.1	<1	29
1531259	Rock	108	2.09	0.072	17.6	46	1.48	955	0.248	7.58	2.583	1.91	0.9	14.1	33	0.6	11.8	6.4	0.4	1	13
1531260	Rock	195	3.87	0.087	11.4	62	2.01	424	0.313	6.58	1.281	1.68	0.8	20.3	21	0.9	13.8	4.7	0.3	<1	20
1531261	Rock	176	4.57	0.129	17.2	21	1.43	171	0.342	6.72	2.471	1.10	2.1	17.9	32	0.7	10.3	5.3	0.3	<1	11
1531262	Rock	206	3.26	0.125	13.6	19	1.32	71	0.428	6.13	1.519	1.75	1.6	33.5	27	0.9	8.8	6.8	0.4	2	13
1531263	Rock	134	2.39	0.079	14.2	20	0.55	174	0.204	5.59	0.541	2.38	0.8	19.3	26	0.8	9.5	4.0	0.2	2	7
1531264	Rock	207	1.59	0.154	5.3	36	1.08	135	0.468	8.28	5.378	1.04	0.4	41.3	11	1.0	8.2	4.6	0.3	1	19
1531265	Rock	246	1.57	0.110	11.7	92	2.37	677	0.568	10.59	3.792	2.00	0.5	30.5	25	0.8	14.0	5.3	0.3	<1	38



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Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Li	S	Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.1	0.1	0.05	0.005	1	0.5	0.5
1531254	Rock	8.3	1.2	12.9	1.4	0.07	<0.005	<1	<0.5	<0.5
1531255	Rock	14.6	4.0	63.4	1.2	0.06	<0.005	1	<0.5	<0.5
1531256	Rock	18.8	1.0	38.7	2.3	<0.05	<0.005	2	<0.5	<0.5
1531257	Rock	9.6	1.2	28.5	1.5	<0.05	<0.005	<1	<0.5	<0.5
1531258	Rock	21.8	4.0	6.3	0.8	<0.05	0.008	3	<0.5	<0.5
1531259	Rock	14.4	0.4	51.5	0.4	<0.05	0.047	2	<0.5	0.6
1531260	Rock	23.0	0.7	45.9	0.5	<0.05	0.034	2	0.8	0.7
1531261	Rock	19.5	1.0	29.6	0.6	<0.05	0.015	2	0.7	<0.5
1531262	Rock	16.5	1.9	43.5	0.9	<0.05	0.009	3	0.9	1.0
1531263	Rock	10.4	0.9	64.6	0.6	<0.05	0.011	5	<0.5	0.7
1531264	Rock	11.3	1.7	12.8	1.2	<0.05	<0.005	<1	<0.5	<0.5
1531265	Rock	25.3	0.7	40.4	1.0	0.09	<0.005	<1	<0.5	<0.5



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QUALITY CONTROL REPORT

WHI16000307.1

Method	WGHT	FA130	FA130	FA130	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	
Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	1	0.1	0.5	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	
Pulp Duplicates																					
1531256	Rock	4.65	2	3.3	2.6	4.5	81.1	10.2	27	0.4	16.4	12.9	174	5.26	118	2.6	2.0	275	0.3	0.6	<0.1
REP 1531256	QC		2	1.4	2.0																
Reference Materials																					
STD CDN-PGMS-19	Standard		217	122.4	531.5																
STD OREAS25A-4A	Standard					2.2	35.4	24.4	41	<0.1	44.3	7.9	510	6.90	10	2.6	14.5	46	<0.1	0.5	0.4
STD OREAS45E	Standard					2.5	814.2	18.7	48	0.3	484.7	63.2	612	25.45	17	2.6	13.6	17	<0.1	1.0	0.2
STD CDN-PGMS-19 Expected			230	108	476																
STD OREAS25A-4A Expected						2.55	33.9	26.6	44.4		45.8	8.2	500	6.7	10.7	2.94	15.8	48.5		0.67	0.35
STD OREAS45E Expected						2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28
BLK	Blank		1	0.1	<0.5																
BLK	Blank					<0.1	0.2	<0.1	<1	<0.1	0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1
Prep Wash																					
ROCK-WHI	Prep Blank		1	0.1	<0.5	5.3	13.8	17.8	40	0.2	1.3	4.7	691	2.17	5	1.2	3.2	224	<0.1	2.0	0.2
ROCK-WHI	Prep Blank		1	<0.1	<0.5	1.0	4.6	14.7	41	0.2	1.2	5.2	777	2.37	4	1.3	3.1	257	<0.1	1.5	0.1



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Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	
Unit	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	1	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	
Pulp Duplicates																					
1531256	Rock	183	0.55	0.068	3.8	43	1.72	485	0.500	9.53	4.772	2.17	0.2	75.0	10	0.3	9.4	5.1	0.3	<1	20
REP 1531256	QC																				
Reference Materials																					
STD CDN-PGMS-19	Standard																				
STD OREAS25A-4A	Standard	165	0.29	0.053	19.8	124	0.33	149	0.941	8.78	0.131	0.53	1.8	142.2	46	3.8	9.7	19.2	1.3	<1	13
STD OREAS45E	Standard	330	0.07	0.036	11.3	1092	0.16	271	0.559	6.99	0.059	0.38	1.1	97.6	25	1.4	8.1	6.3	0.6	<1	101
STD CDN-PGMS-19 Expected																					
STD OREAS25A-4A Expected		163	0.283	0.0495	21.8	120	0.327	151	0.977	8.87	0.134	0.5	2	155	48.9	4.2	10.5	20.9	1.5	0.93	13.7
STD OREAS45E Expected		322	0.065	0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93
BLK	Blank																				
BLK	Blank	<1	<0.01	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1
Prep Wash																					
ROCK-WHI	Prep Blank	35	1.91	0.041	12.2	3	0.44	903	0.218	6.91	3.357	1.99	0.5	55.6	26	1.0	16.5	6.0	0.4	<1	8
ROCK-WHI	Prep Blank	35	1.91	0.049	14.2	4	0.47	998	0.257	8.22	3.349	1.99	0.5	64.1	29	1.1	19.2	6.7	0.5	1	8



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Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Li	S	Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates										
1531256	Rock	18.8	1.0	38.7	2.3	<0.05	<0.005	2	<0.5	<0.5
REP 1531256	QC									
Reference Materials										
STD CDN-PGMS-19	Standard									
STD OREAS25A-4A	Standard	40.2	<0.1	56.1	4.2	0.12	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	7.5	<0.1	21.6	3.2	0.11	<0.005	3	<0.5	<0.5
STD CDN-PGMS-19 Expected										
STD OREAS25A-4A Expected		36.7	0.047	61	4.28	0.09		2.5		0.35
STD OREAS45E Expected		6.58	0.046	21.2	3.11	0.099		2.97	0.1	0.09
BLK	Blank									
BLK	Blank	0.2	<0.1	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
Prep Wash										
ROCK-WHI	Prep Blank	6.1	<0.1	45.0	1.8	<0.05	<0.005	<1	<0.5	<0.5
ROCK-WHI	Prep Blank	6.5	<0.1	49.8	2.0	0.06	<0.005	<1	<0.5	<0.5