



BUREAU MINERAL LABORATORIES
VERITAS Canada

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

Client: **Pacific Ridge Exploration Ltd.**
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6 Canada

Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 27, 2018
Report Date: October 09, 2018
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CERTIFICATE OF ANALYSIS

WHI18000756.1

CLIENT JOB INFORMATION

Project: GCP
Shipment ID: GCP-20180818-001-ROCK
P.O. Number
Number of Samples: 3

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 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: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	3	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	3	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	3	Environmental disposal charge-Fire assay lead waste			VAN
AQ200	3	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
SHP01	3	Per sample shipping charges for branch shipments			VAN
BAT01	3	Batch charge of <20 samples			WHI

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 Analyte Unit MDL	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1
1596477	Rock	1.44	<0.005	0.1	2.1	1.1	<1	<0.1	1.1	0.5	39	0.27	<0.5	<0.5	<0.1	10	<0.1	<0.1	<0.1	<1
1596478	Rock	1.28	<0.005	0.4	9.0	2.4	12	<0.1	7.3	2.6	277	0.69	1.4	<0.5	0.9	15	<0.1	<0.1	<0.1	16
1599650	Rock	3.03	<0.005	0.2	1.4	0.6	<1	<0.1	1.0	0.8	83	0.28	<0.5	<0.5	<0.1	7	<0.1	<0.1	<0.1	1



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	Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1596477	Rock	0.001	<1	4	0.01	17	0.002	<20	0.13	0.033	0.04	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
1596478	Rock	0.007	5	10	0.09	41	0.005	<20	0.23	0.004	0.03	<0.1	<0.01	1.6	<0.1	<0.05	1	<0.5	<0.2
1599650	Rock	0.001	<1	7	<0.01	205	<0.001	<20	0.05	0.017	0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI18000756.1

Method	Analyte	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1
Reference Materials																					
STD DS11	Standard			14.4	163.2	150.9	363	1.8	85.3	14.5	1096	3.34	43.7	76.8	8.4	75	2.3	7.4	12.6	50	1.10
STD OREAS45EA	Standard			1.7	733.5	16.0	33	0.3	432.7	56.4	431	24.43	12.7	58.3	11.5	4	<0.1	0.3	0.3	331	0.04
STD OXC145	Standard		0.208																		
STD OXH139	Standard		1.294																		
STD OXN134	Standard		7.510																		
STD OREAS45EA Expected				1.6	709	14.3	31.4	0.26	381	52	400	22.65	11.4	53	10.7	4.05	0.03	0.32	0.26	303	0.036
STD DS11 Expected				13.9	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	7.2	12.2	50	1.063
STD OXN134 Expected			7.667																		
STD OXC145 Expected			0.212																		
STD OXH139 Expected			1.312																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	1.3	4.0	1.5	32	<0.1	0.7	3.5	504	1.78	1.5	<0.5	2.5	31	<0.1	<0.1	<0.1	24	0.70



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QUALITY CONTROL REPORT

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	Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Reference Materials																			
STD DS11	Standard	0.074	20	64	0.86	420	0.107	<20	1.23	0.078	0.42	2.9	0.28	3.6	5.2	0.26	5	2.1	4.8
STD OREAS45EA	Standard	0.030	8	904	0.10	152	0.110	<20	3.43	0.022	0.06	<0.1	0.01	84.5	<0.1	<0.05	14	1.1	<0.2
STD OXC145	Standard																		
STD OXH139	Standard																		
STD OXN134	Standard																		
STD OREAS45EA Expected		0.029	7.06	849	0.095	148	0.0984		3.32	0.02	0.053			78	0.072	0.036	12.4	0.78	0.1
STD DS11 Expected		0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.26	3.1	4.9	0.2835	4.7	2.2	4.56
STD OXN134 Expected																			
STD OXC145 Expected																			
STD OXH139 Expected																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																		
BLK	Blank																		
Prep Wash																			
ROCK-WHI	Prep Blank	0.040	7	2	0.43	69	0.094	<20	0.98	0.093	0.10	<0.1	<0.01	3.6	<0.1	<0.05	4	<0.5	<0.2