



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: July 23, 2018
Report Date: August 28, 2018
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CERTIFICATE OF ANALYSIS

WHI18000430.1

CLIENT JOB INFORMATION

Project: Gold Cap - PEX
Shipment ID: PEX-180722-01Rock
P.O. Number
Number of Samples: 15

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
PICKUP-RJT Client to Pickup Rejects

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: Josh Forrester
Jodie Gibson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	15	Crush, split and pulverize 250 g rock to 200 mesh			WHI
BAT01	15	Batch charge of <20 samples			WHI
FA430	15	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	15	Environmental disposal charge-Fire assay lead waste			VAN
AQ200	15	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
SHP01	15	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor



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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	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	%
		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	0.01
1664856	Rock	1.58	<0.005	0.4	20.9	223.6	35	0.5	2.8	2.6	173	1.29	1.4	0.7	0.9	72	0.1	<0.1	3.2	23	0.20
1664857	Rock	0.85	<0.005	0.4	2.4	5.5	18	<0.1	1.4	1.0	78	0.79	1.6	<0.5	0.7	2	<0.1	<0.1	0.2	9	0.01
1664858	Rock	1.28	<0.005	0.2	6.0	3.3	16	<0.1	1.0	2.1	120	0.84	0.9	0.5	11.3	12	<0.1	<0.1	<0.1	4	0.01
1664859	Rock	0.94	<0.005	0.2	5.0	3.6	24	<0.1	1.1	1.9	197	1.24	0.7	<0.5	11.7	9	<0.1	<0.1	<0.1	12	0.03
1664860	Rock	1.35	0.008	9.7	57.6	9.7	13	0.3	3.0	23.7	289	3.01	5.2	6.7	0.1	3	0.2	0.2	1.5	21	0.01
1664861	Rock	1.37	<0.005	0.7	3.9	5.1	71	<0.1	20.9	6.1	695	1.93	2.1	1.0	4.3	53	0.3	0.1	<0.1	28	0.13
1516553	Rock	0.70	<0.005	0.2	6.5	6.6	13	<0.1	0.7	0.8	58	0.54	0.9	<0.5	7.5	33	<0.1	<0.1	<0.1	3	0.05
1516554	Rock	0.65	<0.005	0.6	43.2	8.4	60	<0.1	2.4	5.8	340	2.26	0.9	<0.5	9.2	24	0.2	0.1	0.2	26	0.40
1516555	Rock	1.35	<0.005	0.6	27.7	2.2	46	<0.1	1.8	2.9	406	1.98	0.5	0.7	5.3	6	<0.1	<0.1	<0.1	7	0.02
1516556	Rock	1.13	<0.005	1.0	27.6	4.6	25	<0.1	3.0	2.9	197	1.60	7.6	2.0	5.7	8	<0.1	0.2	<0.1	6	0.04
1516557	Rock	0.60	<0.005	1.5	28.5	12.4	30	<0.1	22.4	11.3	302	2.40	7.1	<0.5	4.3	27	<0.1	0.2	0.2	35	0.41
1516558	Rock	1.44	<0.005	0.3	15.7	13.3	17	0.5	1.1	1.6	129	1.08	0.6	<0.5	3.8	23	<0.1	<0.1	1.4	9	0.03
1516559	Rock	1.15	<0.005	0.3	2.6	1.2	5	<0.1	1.3	0.9	77	0.44	<0.5	<0.5	0.6	4	<0.1	<0.1	<0.1	2	<0.01
1516560	Rock	1.26	<0.005	0.6	13.5	132.5	17	0.3	5.8	5.5	787	1.10	1.1	0.7	5.3	18	<0.1	<0.1	2.6	13	0.08
1516561	Rock	1.16	<0.005	0.2	19.0	12.0	8	<0.1	2.7	1.8	102	0.84	0.7	<0.5	5.7	15	<0.1	<0.1	0.3	7	0.04



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Project: Gold Cap - PEX

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CERTIFICATE OF ANALYSIS

WHI18000430.1

	Method	Analyte	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
			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
1664856	Rock	0.063	5	7	0.08	692	0.028	<20	0.20	0.017	0.07	<0.1	0.02	2.1	<0.1	<0.05	1	<0.5	<0.2	
1664857	Rock	0.003	2	6	0.02	18	0.013	<20	0.06	0.030	<0.01	<0.1	0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2	
1664858	Rock	0.005	17	3	0.02	158	0.003	<20	0.20	0.074	0.05	<0.1	0.02	2.1	<0.1	<0.05	<1	<0.5	<0.2	
1664859	Rock	0.008	18	4	0.26	63	0.035	<20	0.50	0.102	0.19	<0.1	0.01	3.5	<0.1	<0.05	2	<0.5	<0.2	
1664860	Rock	0.005	<1	6	0.01	48	0.009	<20	0.06	0.002	<0.01	0.5	0.04	1.2	<0.1	<0.05	<1	1.4	0.6	
1664861	Rock	0.022	11	20	0.03	2097	0.016	<20	0.21	0.054	0.04	<0.1	0.15	4.9	<0.1	<0.05	<1	<0.5	<0.2	
1516553	Rock	0.012	7	3	0.03	1029	0.002	<20	0.23	0.085	0.08	<0.1	0.02	0.6	<0.1	<0.05	<1	<0.5	<0.2	
1516554	Rock	0.045	18	6	0.39	123	0.136	<20	0.64	0.102	0.20	<0.1	0.01	4.2	<0.1	<0.05	4	<0.5	<0.2	
1516555	Rock	0.006	17	3	0.29	74	0.041	<20	0.66	0.075	0.31	<0.1	0.01	7.6	0.1	<0.05	4	<0.5	<0.2	
1516556	Rock	0.014	12	5	0.12	114	0.012	<20	0.37	0.051	0.14	<0.1	<0.01	4.4	<0.1	<0.05	2	<0.5	<0.2	
1516557	Rock	0.043	10	32	0.49	48	0.084	<20	0.94	0.052	0.12	<0.1	<0.01	3.2	<0.1	<0.05	4	<0.5	<0.2	
1516558	Rock	0.013	12	5	0.13	170	0.009	<20	0.31	0.090	0.09	<0.1	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2	
1516559	Rock	0.002	1	6	<0.01	14	0.003	<20	0.05	0.004	0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2	
1516560	Rock	0.033	4	6	0.04	419	0.010	<20	0.23	0.080	0.06	0.2	<0.01	2.7	<0.1	<0.05	<1	<0.5	<0.2	
1516561	Rock	0.009	8	9	0.02	214	0.024	<20	0.15	0.024	0.05	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2	



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QUALITY CONTROL REPORT

WHI18000430.1

	Method Analyte Unit MDL	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	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1
Pulp Duplicates																					
1664858	Rock	1.28	<0.005	0.2	6.0	3.3	16	<0.1	1.0	2.1	120	0.84	0.9	0.5	11.3	12	<0.1	<0.1	<0.1	4	0.01
REP 1664858	QC	<0.005																			
Reference Materials																					
STD DS11	Standard			13.5	149.9	124.7	329	1.7	72.8	12.9	974	2.98	40.4	111.7	7.3	66	2.4	7.3	12.1	45	1.01
STD OREAS45EA	Standard			1.6	674.7	15.0	35	0.3	384.9	52.8	403	21.76	11.6	53.5	11.0	4	<0.1	0.3	0.3	314	0.03
STD OXC145	Standard	0.203																			
STD OXH139	Standard	1.318																			
STD OXN134	Standard	7.745																			
STD OXN134 Expected		7.667																			
STD OXC145 Expected		0.212																			
STD OXH139 Expected		1.312																			
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
BLK	Blank	<0.005																			
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
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	1.1	6.6	4.2	60	<0.1	1.0	3.4	538	1.81	2.8	1.3	2.6	28	0.1	<0.1	0.2	21	0.84
ROCK-WHI	Prep Blank		<0.005	2.7	4.1	3.3	49	<0.1	0.6	3.2	504	1.75	2.2	<0.5	2.6	30	0.1	<0.1	0.2	21	0.67



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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
Pulp Duplicates																			
1664858	Rock	0.005	17	3	0.02	158	0.003	<20	0.20	0.074	0.05	<0.1	0.02	2.1	<0.1	<0.05	<1	<0.5	<0.2
REP 1664858	QC																		
Reference Materials																			
STD DS11	Standard	0.067	18	55	0.79	413	0.089	<20	1.08	0.068	0.38	2.5	0.25	3.1	4.4	0.26	4	1.8	4.0
STD OREAS45EA	Standard	0.028	8	811	0.09	151	0.099	<20	3.16	0.019	0.05	<0.1	<0.01	79.7	<0.1	<0.05	12	1.3	<0.2
STD OXC145	Standard																		
STD OXH139	Standard																		
STD OXN134	Standard																		
STD OXN134 Expected																			
STD OXC145 Expected																			
STD OXH139 Expected																			
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
BLK	Blank																		
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
Prep Wash																			
ROCK-WHI	Prep Blank	0.041	7	3	0.44	73	0.080	<20	0.99	0.097	0.11	<0.1	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
ROCK-WHI	Prep Blank	0.041	6	3	0.43	68	0.079	<20	0.86	0.065	0.08	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2