



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

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

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Submitted By: James Rogers
Receiving Lab: Canada-Whitehorse
Received: August 31, 2020
Analysis Start: November 06, 2020
Report Date: November 14, 2020
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000332.2

CLIENT JOB INFORMATION

Project: Silverhart
Shipment ID:
P.O. Number
Number of Samples: 19

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
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: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1
Canada

CC: Kevin Brewer
Vedran Pobric

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	19	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ250	19	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SHP01	19	Per sample shipping charges for branch shipments			VAN
FA530	2	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN
AQ370-X	12	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : AQ370-Zn included.



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.



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: Silverhart
Report Date: November 14, 2020

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000332.2

Method	WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	
1811801	Rock	6.35	0.65	18.84	847.34	9699.3	2431	16.4	6.3	>10000	8.14	128.6	1.2	1.4	17.2	24.9	15.88	1.61	0.42	9	0.08
1811802	Rock	6.82	3.33	66.22	257.13	>10000	2714	11.2	5.6	>10000	16.83	824.4	1.7	1.2	9.6	38.0	46.52	1.92	1.10	7	0.10
1811803	Rock	2.48	3.49	63.24	189.16	>10000	5944	4.6	2.1	>10000	20.25	546.2	1.0	2.9	3.9	27.9	43.87	2.53	1.76	6	0.21
1811804	Rock	4.87	10.16	234.96	651.57	>10000	41081	12.0	3.6	>10000	13.68	793.7	2.1	32.1	11.3	45.8	59.71	4.24	30.47	9	0.13
1811805	Rock	4.53	49.41	48.77	506.70	>10000	6960	21.6	8.5	>10000	15.44	240.4	1.9	4.1	8.7	45.6	77.49	1.62	9.59	8	0.31
1811806	Rock	4.20	5.85	52.60	206.42	>10000	4664	10.3	2.9	>10000	28.31	4.3	1.0	0.9	3.8	29.0	42.99	1.15	4.28	7	0.38
1811807	Rock	3.16	9.48	189.47	1129.97	>10000	35666	22.2	11.4	>10000	7.72	488.8	2.7	7.5	15.3	185.8	55.74	9.32	1.46	14	1.34
1811808	Rock	1.23	7.36	97.93	351.88	8324.4	47895	0.6	1.0	8893	3.16	17.7	3.2	2.7	8.6	4.9	17.15	14.83	4.77	<1	0.12
1811809	Rock	0.88	48.57	203.10	7684.08	>10000	>100000	31.2	10.7	>10000	17.26	551.8	6.0	22.2	4.0	345.3	86.41	27.23	12.16	14	5.40
1811810	Rock	2.26	39.89	69.47	144.57	>10000	68578	10.1	3.8	>10000	34.41	3224.1	4.7	10.3	2.1	363.0	58.65	5.84	0.39	4	0.12
1811811	Rock	1.50	37.24	627.91	1293.40	>10000	>100000	29.8	19.1	>10000	14.54	2425.3	3.5	65.3	9.6	254.9	62.51	28.02	3.36	5	0.14
1811812	Rock	1.92	13.01	153.22	435.57	8607.7	79774	37.6	17.3	>10000	5.07	382.7	3.0	2.8	17.1	137.9	23.36	2.67	0.64	6	0.14
1811813	Rock	2.14	28.08	130.00	2201.24	>10000	63343	20.6	12.7	>10000	10.66	211.1	3.5	5.7	14.3	222.8	53.00	3.27	2.05	8	0.11
1811814	Rock	3.65	0.54	4.33	233.36	1490.3	850	0.7	1.5	3271	1.30	29.2	8.5	0.2	9.9	31.3	2.46	0.39	0.06	2	0.73
1811815	Rock	2.88	0.38	3.66	310.56	2496.2	952	0.7	1.2	8923	2.82	19.8	7.5	0.2	8.9	8.7	5.27	0.41	0.05	<1	0.20
1811816	Rock	1.60	0.96	81.95	103.42	>10000	6864	0.7	1.8	>10000	5.02	243.6	7.2	9.2	7.0	7.0	45.52	2.37	0.08	<1	0.11
1811817	Rock	1.57	1.29	7.01	378.43	2466.8	959	0.7	1.1	7394	2.49	53.1	7.6	1.3	11.1	9.8	5.90	0.56	0.08	<1	0.19
1811818	Rock	0.27	0.57	43.33	2780.71	>10000	12671	0.5	2.1	>10000	4.03	3.8	8.7	1.2	12.7	5.2	70.42	1.80	0.06	3	0.28
1811819	Rock	2.69	0.59	1.64	1594.73	3983.1	3965	0.6	2.8	7365	2.96	4.7	8.7	0.4	14.2	12.6	8.75	0.70	0.05	5	0.56



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Longford Exploration Services Ltd.
460-688 West Hastings St.
Vancouver British Columbia V6B 1P1 Canada

Project: Silverhart
Report Date: November 14, 2020

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI20000332.2

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA530	AQ370
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Ag	Zn
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	20	0.01
1811801	Rock	0.028	32.5	7.1	0.08	23.9	<0.001	<20	0.57	0.003	0.31	0.2	6.3	0.24	0.09	6	0.3	0.03	1.2		
1811802	Rock	0.031	24.8	5.3	0.13	24.1	<0.001	<20	0.50	0.004	0.28	0.4	4.6	0.23	0.10	8	0.2	0.02	1.4		1.58
1811803	Rock	0.052	16.5	2.0	0.33	11.8	<0.001	<20	0.29	0.004	0.17	0.5	2.7	0.13	0.12	19	0.2	0.03	0.7		1.21
1811804	Rock	0.045	42.7	8.3	0.13	26.9	<0.001	<20	0.65	0.003	0.38	0.4	7.5	0.33	0.07	27	0.3	1.60	1.3		1.54
1811805	Rock	0.054	38.9	8.9	0.22	25.9	0.003	<20	0.67	0.003	0.44	0.5	6.3	0.50	0.07	11	0.5	0.10	1.1		2.61
1811806	Rock	0.035	10.6	5.5	0.49	4.5	<0.001	<20	0.31	0.007	0.19	0.6	3.2	0.12	0.34	18	0.2	<0.02	0.8		1.70
1811807	Rock	0.040	51.0	14.3	0.10	33.5	0.012	<20	1.36	0.006	0.35	2.1	8.3	0.32	0.18	20	0.6	0.09	3.5		1.71
1811808	Rock	0.037	16.4	0.8	0.05	15.3	<0.001	<20	0.31	0.005	0.29	0.6	0.6	0.21	0.59	18	<0.1	0.03	0.8		
1811809	Rock	0.092	17.6	10.7	0.10	44.9	0.011	<20	1.37	0.014	0.16	26.6	3.9	0.42	<0.02	37	0.6	0.18	11.6	278	2.59
1811810	Rock	0.037	5.1	5.4	<0.01	27.6	<0.001	<20	0.19	0.021	0.16	3.3	1.8	0.11	0.03	22	0.7	0.07	1.1		2.02
1811811	Rock	0.027	30.4	5.7	0.02	45.8	<0.001	<20	0.29	0.010	0.24	12.3	3.1	0.22	<0.02	37	0.3	0.06	1.1	220	1.84
1811812	Rock	0.041	55.3	5.8	0.02	37.0	<0.001	<20	0.55	0.008	0.39	4.6	3.0	0.26	<0.02	10	0.2	0.04	0.6		
1811813	Rock	0.038	53.2	8.3	0.02	27.5	<0.001	<20	0.52	0.008	0.41	8.3	8.6	0.38	<0.02	21	0.2	0.06	0.7		1.01
1811814	Rock	0.059	22.6	1.0	0.11	23.0	<0.001	<20	0.33	0.004	0.28	0.2	0.7	0.20	0.10	<5	<0.1	<0.02	0.5		
1811815	Rock	0.062	17.8	1.0	0.10	11.7	<0.001	<20	0.28	0.003	0.26	0.3	0.6	0.21	0.17	<5	<0.1	<0.02	0.5		
1811816	Rock	0.029	9.8	0.8	0.07	20.2	<0.001	<20	0.26	0.003	0.24	0.2	0.7	0.21	0.98	38	0.2	<0.02	0.7		2.13
1811817	Rock	0.063	19.5	0.9	0.08	20.5	<0.001	<20	0.34	0.004	0.29	0.2	0.7	0.19	0.21	5	<0.1	<0.02	0.6		
1811818	Rock	0.079	33.8	1.0	0.12	11.9	<0.001	<20	0.38	0.004	0.31	0.1	1.7	0.32	0.84	25	0.2	<0.02	0.6		1.89
1811819	Rock	0.094	41.9	1.0	0.17	20.0	<0.001	<20	0.38	0.003	0.31	0.1	1.6	0.34	0.17	<5	<0.1	<0.02	0.4		



QUALITY CONTROL REPORT

WHI20000332.2

Method	WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	
Reference Materials																					
STD AGPROOF Standard																					
STD CDN-ME-9A Standard																					
STD CDN-ME-14A Standard																					
STD DS11 Standard		14.01	149.10	134.34	341.8	2466	82.2	13.5	1025	3.14	41.0	2.4	44.5	6.8	63.5	2.24	6.78	10.75	49	1.05	
STD OREAS262 Standard		0.67	117.04	55.44	153.3	459	67.2	28.0	556	3.40	36.7	1.1	58.3	8.9	35.6	0.62	2.66	0.94	22	2.94	
STD OXQ114 Standard																					
STD OXQ132 Standard																					
STD DS11 Expected		13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	
STD OREAS262 Expected		0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	3.39	1.03	22.5	2.98	
STD AGPROOF Expected																					
STD OXQ114 Expected																					
STD OXQ132 Expected																					
STD CDN-ME-9A Expected																					
STD CDN-ME-14A Expected																					
BLK Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	
BLK Blank																					
BLK Blank																					
Prep Wash																					
ROCK-WHI Prep Blank		0.56	2.12	1.74	33.3	19	0.7	3.4	408	1.71	2.0	0.4	<0.2	2.2	21.3	0.04	0.08	0.06	23	0.58	
ROCK-WHI Prep Blank		0.57	3.05	1.88	25.5	21	0.9	3.6	426	1.82	8.2	0.4	1.4	2.4	24.9	<0.01	0.07	0.05	26	0.73	



QUALITY CONTROL REPORT

WHI20000332.2

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA530	AQ370	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Ag	Zn	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	20	0.01	
Reference Materials																					
STD AGPROOF Standard																				99	
STD CDN-ME-9A Standard																					<0.01
STD CDN-ME-14A Standard																					2.97
STD DS11 Standard	0.069	16.5	59.9	0.85	403.5	0.087	<20	1.12	0.071	0.39	3.2	3.0	4.96	0.28	271	2.2	4.70	4.6			
STD OREAS262 Standard	0.040	16.5	45.1	1.23	239.8	0.003	<20	1.29	0.071	0.32	<0.1	3.1	0.46	0.28	168	0.5	0.23	3.7			
STD OXQ114 Standard																				125	
STD OXQ132 Standard																				133	
STD DS11 Expected	0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7			
STD OREAS262 Expected	0.04	15.9	41.7	1.17	248	0.003		1.3	0.071	0.312	0.13	3.24	0.47	0.269	170	0.4	0.23	3.9			
STD AGPROOF Expected																				96	
STD OXQ114 Expected																				127.1	
STD OXQ132 Expected																				128.5	
STD CDN-ME-9A Expected																					0.0096
STD CDN-ME-14A Expected																					2.97
BLK Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1			
BLK Blank																				<20	
BLK Blank																					<0.01
Prep Wash																					
ROCK-WHI Prep Blank	0.037	5.8	1.9	0.41	52.5	0.077	<20	0.81	0.073	0.08	<0.1	2.2	<0.02	<0.02	<5	<0.1	<0.02	3.5			
ROCK-WHI Prep Blank	0.036	6.0	2.4	0.42	64.4	0.091	<20	0.97	0.092	0.10	0.1	2.5	<0.02	<0.02	<5	<0.1	<0.02	3.9			