



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

[www.bureauveritas.com/um](http://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: July 06, 2020  
Analysis Start: July 24, 2020  
Report Date: August 13, 2020  
Page: 1 of 3

# CERTIFICATE OF ANALYSIS

WHI20000082.1

## CLIENT JOB INFORMATION

Project: Silverhart  
Shipment ID:  
P.O. Number  
Number of Samples: 38

## 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	38	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ250	38	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SHP01	38	Per sample shipping charges for branch shipments			VAN
SLBHP	0	Sort, label and box pulps			WHI
FA530	13	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN
GC817	16	Lead Assay by Classical Titration	0.5	Completed	VAN
GC816	24	Zinc Assay by Classical Titration	0.5	Completed	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.



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:** August 13, 2020

**Page:** 2 of 3

**Part:** 1 of 3

# CERTIFICATE OF ANALYSIS

WHI20000082.1

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	
1811101	Rock	1.57	1.85	35.26	32.09	137.1	1669	21.9	10.2	207	3.20	2.5	2.3	1.0	13.2	91.1	0.96	0.73	1.57	36	3.06
1811102	Rock	1.99	25.91	11.00	1.55	>10000	1563	3.4	38.4	3334	2.71	<0.1	1.5	413.6	5.9	52.4	267.02	0.16	345.69	15	5.14
1811103	Rock	1.15	0.58	40.04	5.39	128.3	70	54.8	20.7	450	5.61	<0.1	1.7	2.0	11.6	16.0	0.38	<0.02	0.96	66	0.34
1811104	Rock	0.93	1.43	1.67	8.15	20.5	21	0.7	0.7	190	0.71	0.8	11.1	0.8	9.2	7.0	0.08	0.07	0.11	6	0.09
1811105	Rock	1.74	0.91	27.23	7.01	35.7	163	26.4	11.1	54	3.07	0.2	1.9	0.5	15.0	233.4	0.06	<0.02	0.39	55	1.12
1811106	Rock	1.22	86.35	11.84	317.03	500.3	2811	4.4	4.4	1408	2.53	170.5	0.7	4.8	0.8	7.8	1.18	7.85	5.97	9	0.06
1811107	Rock	2.92	28.27	11.22	>10000	1602.3	>100000	0.8	0.4	2307	0.66	10.1	0.4	3.2	1.2	6.3	19.11	1649.47	7.89	<1	0.01
1811108	Rock	1.46	0.83	25.47	>10000	>10000	35295	6.5	1.9	>10000	19.08	10.4	0.8	<0.2	2.9	104.7	62.53	16.01	0.29	7	2.35
1811109	Rock	1.79	0.91	106.65	>10000	>10000	>100000	7.2	2.9	>10000	15.71	19.0	0.7	1.4	2.8	11.1	263.58	119.47	31.67	6	0.41
1811110	Rock	1.41	1.27	107.90	>10000	>10000	41390	6.5	2.4	>10000	21.92	14.3	0.5	9.0	2.1	13.5	318.00	14.13	3.21	8	0.48
1811111	Rock	1.55	0.39	20.51	323.13	450.8	799	36.2	12.1	467	2.91	1.2	2.2	1.3	19.5	326.2	1.14	0.30	1.39	41	2.91
1811112	Rock	3.14	1.47	929.03	612.17	>10000	>100000	7.1	5.5	>10000	14.33	8928.5	0.2	199.2	1.1	105.3	508.92	62.37	4.32	4	3.28
1811113	Rock	1.11	0.28	33.82	74.41	662.7	765	36.7	14.4	691	2.30	34.6	2.0	1.2	12.9	413.4	1.65	0.28	1.10	24	3.59
1811114	Rock	3.25	0.93	497.72	>10000	>10000	>100000	11.3	8.4	>10000	15.03	>10000	<0.1	35.6	1.1	8.2	584.83	243.38	2.68	3	0.09
1811115	Rock	1.21	0.76	34.47	74.96	727.1	996	30.1	12.9	896	2.66	69.0	2.3	1.3	15.7	340.2	2.08	0.76	1.41	29	2.93
1811116	Rock	2.68	7.34	2366.25	>10000	>10000	>100000	7.5	1.6	>10000	4.72	256.8	0.4	160.2	1.2	384.7	385.82	1058.53	15.28	4	7.50
1811117	Rock	1.30	0.09	10.74	758.70	3133.3	4892	1.5	3.2	384	0.63	6.0	1.7	1.0	8.9	>2000	8.86	3.20	66.43	8	19.16
1811118	Rock	1.30	2.36	77.40	9650.94	>10000	63228	17.4	9.1	>10000	4.58	379.8	1.1	1.5	8.1	86.9	87.10	17.57	18.85	6	3.91
1811119	Rock	1.60	4.18	127.58	>10000	>10000	87338	0.9	0.4	2203	0.98	3.5	0.4	7.2	0.9	40.5	83.74	1774.11	3.83	<1	0.03
1811120	Rock	2.99	5.96	41.73	732.96	>10000	11120	6.0	4.6	>10000	29.25	>10000	0.6	11.0	0.6	28.9	136.76	29.84	0.86	5	0.20
1811121	Rock	2.67	48.56	24.14	813.53	>10000	8382	2.7	1.1	>10000	>40	198.3	5.0	5.2	1.7	187.0	50.64	8.01	0.25	9	0.10
1811122	Rock	2.73	60.89	92.16	>10000	>10000	40980	6.4	2.7	>10000	37.42	94.9	5.1	3.8	2.6	133.8	87.83	10.98	4.32	10	0.19
1811123	Rock	3.27	130.34	29.44	>10000	>10000	>100000	4.0	1.5	>10000	36.81	117.9	6.1	16.5	1.2	139.9	47.59	84.80	0.87	6	0.06
1811124	Rock	3.46	35.32	152.55	>10000	>10000	>100000	3.0	1.5	>10000	33.89	104.1	7.0	4.0	1.9	27.4	171.02	82.51	0.14	7	0.05
1811125	Rock	3.14	72.32	374.24	>10000	6581.7	>100000	0.2	<0.1	113	0.17	11.5	0.7	24.5	0.4	23.5	18.12	1506.00	0.85	<1	<0.01
1811126	Rock	3.08	71.29	82.50	>10000	>10000	>100000	3.1	2.1	>10000	34.60	43.7	5.1	10.4	2.3	212.5	123.45	36.96	0.92	7	0.09
1811127	Rock	3.43	97.05	23.04	4333.40	>10000	12003	3.7	1.7	>10000	39.59	54.9	6.4	4.2	1.6	288.1	105.83	8.53	0.19	8	0.15
1811128	Rock	1.92	137.11	35.83	463.93	>10000	2549	4.4	1.2	>10000	36.01	13.5	4.9	3.2	1.9	303.9	55.09	1.21	0.24	10	0.26
1811129	Rock	1.71	1.62	78.28	462.99	2259.3	1715	2.8	5.4	>10000	7.09	9.9	8.0	1.0	12.5	17.4	7.82	0.42	0.11	2	0.05
1811130	Rock	2.60	3.05	>10000	>10000	>10000	>100000	0.8	0.4	147	1.94	1159.0	2.8	4453.2	0.8	4.0	104.26	>2000	6.26	<1	<0.01



**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: August 13, 2020

Page: 2 of 3

Part: 2 of 3

# CERTIFICATE OF ANALYSIS

WHI20000082.1

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA530	GC817	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Ag	Pb	
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	2	
1811101	Rock	0.023	22.6	42.3	0.47	30.4	0.090	<20	2.37	0.094	0.17	0.4	5.1	0.16	0.87	17	0.4	0.06	7.3		
1811102	Rock	0.159	6.0	14.8	0.08	1.8	0.078	<20	1.45	0.002	<0.01	>100	1.8	0.03	1.69	<5	2.8	3.20	7.9		
1811103	Rock	0.101	26.3	82.1	1.53	338.3	0.334	<20	3.28	0.085	1.75	1.2	12.9	0.97	0.76	16	<0.1	0.03	14.0		
1811104	Rock	0.012	13.1	4.1	0.12	17.8	0.003	<20	0.49	0.024	0.13	0.4	1.1	0.08	<0.02	<5	<0.1	<0.02	2.0		
1811105	Rock	0.020	22.9	50.7	0.91	114.9	0.072	<20	2.69	0.265	0.73	0.6	9.8	0.44	1.01	7	0.2	0.09	9.6		
1811106	Rock	0.001	4.1	5.8	0.15	4.4	0.001	<20	0.80	0.002	0.06	0.5	1.4	0.14	<0.02	<5	<0.1	0.19	8.3		
1811107	Rock	0.003	<0.5	0.8	<0.01	2.9	0.001	<20	0.03	<0.001	0.01	3.4	0.3	0.42	>10	<5	<0.1	0.03	0.5	1579	79.22
1811108	Rock	0.031	3.4	4.1	0.47	2.4	<0.001	<20	0.16	0.004	0.07	0.6	1.9	0.09	1.02	16	<0.1	<0.02	2.9		<2
1811109	Rock	0.035	1.8	5.6	0.24	2.2	<0.001	<20	0.15	0.004	0.05	0.6	2.0	0.12	4.06	38	3.0	0.24	3.1	179	9.96
1811110	Rock	0.027	1.9	5.5	0.42	2.2	0.001	<20	0.26	0.006	0.08	0.5	2.6	0.09	4.16	57	2.8	0.04	3.8		<2
1811111	Rock	0.049	48.4	56.1	0.71	24.1	0.158	<20	5.02	0.515	0.27	1.6	6.6	0.17	0.50	11	<0.1	0.07	15.0		
1811112	Rock	0.005	2.4	2.3	0.42	2.6	0.001	<20	0.57	0.003	0.04	0.4	1.9	0.07	6.89	167	6.5	0.03	5.9	176	
1811113	Rock	0.052	38.7	34.6	0.45	45.1	0.128	<20	4.17	0.457	0.31	1.2	4.2	0.26	0.65	6	<0.1	0.08	11.7		
1811114	Rock	0.003	0.9	2.1	0.21	3.6	<0.001	<20	0.11	0.004	0.06	0.3	1.0	0.09	8.50	100	6.4	0.05	3.9	247	<2
1811115	Rock	0.038	34.0	40.8	0.72	47.2	0.120	<20	3.61	0.157	0.26	3.3	4.9	0.14	0.42	<5	<0.1	0.06	10.5		
1811116	Rock	0.010	4.1	3.5	0.19	3.7	0.001	<20	0.46	0.001	0.04	0.2	1.7	0.22	5.60	78	3.0	0.04	4.2	2413	33.08
1811117	Rock	0.068	22.2	15.4	0.11	28.9	0.081	130	0.99	0.005	0.04	1.3	3.3	0.09	0.04	<5	<0.1	0.78	2.4		
1811118	Rock	0.074	22.2	8.1	0.24	10.6	0.001	<20	0.39	0.002	0.19	1.1	6.1	0.25	0.78	<5	0.3	0.10	2.6		
1811119	Rock	0.003	<0.5	0.5	<0.01	2.2	<0.001	<20	0.04	<0.001	<0.01	0.1	0.4	0.41	>10	8	0.8	0.08	1.0		75.39
1811120	Rock	0.004	2.0	1.9	0.38	4.9	<0.001	<20	0.14	0.006	0.04	0.5	1.8	0.08	1.39	25	0.8	0.05	5.0		
1811121	Rock	0.078	3.3	4.2	0.01	9.2	0.001	<20	0.41	0.009	0.11	9.2	1.5	0.06	0.04	<5	0.6	<0.02	5.0		
1811122	Rock	0.054	5.4	7.8	0.02	7.9	0.002	<20	0.28	0.004	0.10	3.7	2.1	0.09	0.02	18	0.5	0.08	3.7		<2
1811123	Rock	0.051	1.9	5.6	<0.01	5.1	<0.001	<20	0.18	0.003	0.07	1.7	0.9	0.09	0.33	<5	0.3	0.04	3.6	168	8.37
1811124	Rock	0.032	3.4	7.1	0.02	8.2	<0.001	<20	0.29	<0.001	0.05	0.7	1.8	0.14	0.11	29	0.7	<0.02	4.5	127	5.35
1811125	Rock	0.001	<0.5	1.1	<0.01	4.2	<0.001	<20	0.03	0.001	0.01	0.3	0.3	0.24	9.51	51	0.4	<0.02	2.0	1859	75.05
1811126	Rock	0.044	2.9	6.1	0.01	3.5	<0.001	<20	0.29	0.003	0.07	1.7	1.7	0.07	0.34	26	0.5	0.03	5.0	120	4.69
1811127	Rock	0.051	3.0	4.0	0.02	7.3	0.001	<20	0.22	0.008	0.10	6.2	1.4	0.06	0.05	7	0.7	0.08	4.2		
1811128	Rock	0.038	1.9	3.4	0.04	3.6	<0.001	<20	0.23	0.006	0.08	1.7	2.4	0.07	0.03	8	<0.1	0.07	3.8		
1811129	Rock	0.047	26.0	3.4	0.01	40.6	<0.001	<20	0.37	0.001	0.22	0.2	1.7	0.44	0.05	9	<0.1	<0.02	0.5		
1811130	Rock	0.005	<0.5	3.5	<0.01	14.7	<0.001	<20	0.04	0.002	0.01	<0.1	0.1	0.36	8.79	53	2.7	0.02	2.9	>10000	33.47



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

[www.bureauveritas.com/um](http://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:** August 13, 2020

**Page:** 2 of 3

**Part:** 3 of 3

# CERTIFICATE OF ANALYSIS

WHI20000082.1

Method	GC816	
Analyte	Zn	
Unit	%	
MDL	1	
1811101	Rock	
1811102	Rock	3.76
1811103	Rock	
1811104	Rock	
1811105	Rock	
1811106	Rock	
1811107	Rock	
1811108	Rock	2.76
1811109	Rock	10.88
1811110	Rock	13.85
1811111	Rock	
1811112	Rock	24.44
1811113	Rock	
1811114	Rock	23.66
1811115	Rock	
1811116	Rock	13.16
1811117	Rock	
1811118	Rock	2.52
1811119	Rock	3.90
1811120	Rock	4.35
1811121	Rock	2.33
1811122	Rock	2.40
1811123	Rock	3.32
1811124	Rock	3.12
1811125	Rock	
1811126	Rock	3.87
1811127	Rock	2.84
1811128	Rock	1.93
1811129	Rock	
1811130	Rock	9.23



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

[www.bureauveritas.com/um](http://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:** August 13, 2020

**Page:** 3 of 3

**Part:** 1 of 3

# CERTIFICATE OF ANALYSIS

WHI20000082.1

Method	WGHT	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	
1811131	Rock	1.41	4.78	64.08	533.16	>10000	23271	10.8	3.9	>10000	25.93	35.4	1.1	7.1	3.0	151.0	55.64	10.06	0.11	12	0.30
1811132	Rock	1.92	39.35	100.78	>10000	>10000	>100000	3.3	0.5	>10000	20.64	127.1	15.3	25.7	1.0	100.8	66.87	277.46	0.75	6	0.06
1811133	Rock	1.92	8.69	84.36	4546.90	>10000	11720	4.6	1.0	>10000	36.08	36.1	4.6	8.7	0.7	193.7	138.28	6.97	0.28	6	0.15
1811701	Rock	3.03	21.97	33.47	2245.68	4656.4	21555	56.6	16.1	>10000	15.27	3973.1	4.4	27.6	10.6	106.6	12.73	11.62	9.66	23	0.39
1811702	Rock	3.00	15.86	151.43	>10000	>10000	>100000	0.6	0.4	1011	1.33	22.2	0.3	16.4	<0.1	14.1	62.05	749.47	64.90	<1	<0.01
1811703	Rock	3.01	237.00	494.56	>10000	>10000	>100000	24.8	18.8	>10000	18.98	2683.5	7.2	22.9	5.2	96.2	247.69	100.45	9.87	11	0.24
1811704	Rock	6.34	113.33	37.25	1209.18	>10000	13239	20.2	4.8	>10000	30.75	84.5	3.5	3.2	3.1	239.7	86.00	5.59	0.67	15	0.19
1811705	Rock	1.80	168.27	1143.04	93.87	1560.5	3418	27.6	9.5	776	3.47	4.9	1.8	1.9	11.3	165.7	9.49	0.72	32.02	24	1.99



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

[www.bureauveritas.com/um](http://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: August 13, 2020

Page: 3 of 3

Part: 2 of 3

# CERTIFICATE OF ANALYSIS

WHI20000082.1

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA530	GC817
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Ag	Pb	
Unit	%	ppm	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	2	
1811131	Rock	0.034	5.7	8.6	0.31	4.6	0.001	<20	0.97	0.004	0.08	0.6	2.4	0.07	0.18	10	<0.1	0.06	6.8		
1811132	Rock	0.023	3.1	3.3	0.03	6.1	0.001	<20	0.22	0.002	0.06	1.2	1.7	0.14	3.08	<5	0.6	0.05	4.8	463	28.79
1811133	Rock	0.023	2.9	2.1	0.06	2.4	<0.001	<20	0.14	0.006	0.08	1.4	1.0	0.03	0.06	8	0.7	0.04	3.9		
1811701	Rock	0.019	39.0	21.6	0.18	23.5	0.005	<20	1.16	0.026	0.33	25.9	5.1	0.36	0.11	<5	0.2	0.31	3.2		
1811702	Rock	<0.001	1.0	<0.5	<0.01	0.8	<0.001	<20	0.01	<0.001	<0.01	<0.1	<0.1	0.31	>10	17	0.8	0.02	0.2	840	79.02
1811703	Rock	0.050	18.2	7.6	0.05	31.4	0.001	<20	0.41	0.003	0.21	4.8	4.8	0.32	0.40	73	1.8	0.05	2.6	277	3.89
1811704	Rock	0.062	11.6	31.5	0.20	25.3	0.018	<20	0.35	0.008	0.15	1.7	2.3	0.12	0.07	9	0.6	0.05	2.1		
1811705	Rock	0.043	17.0	36.2	0.50	25.2	0.088	<20	2.60	0.185	0.09	>100	3.4	0.07	1.17	<5	0.3	0.06	7.7		



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://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:** August 13, 2020

**Page:** 3 of 3

**Part:** 3 of 3

## CERTIFICATE OF ANALYSIS

WHI2000082.1

	Method	GC816
	Analyte	Zn
	Unit	%
	MDL	1
1811131	Rock	6.89
1811132	Rock	4.60
1811133	Rock	5.00
1811701	Rock	
1811702	Rock	7.03
1811703	Rock	7.80
1811704	Rock	7.08
1811705	Rock	



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

Project: Silverhart  
Report Date: August 13, 2020

Page: 1 of 2 Part: 1 of 3

# QUALITY CONTROL REPORT

WHI20000082.1

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	
Pulp Duplicates																					
1811103	Rock	1.15	0.58	40.04	5.39	128.3	70	54.8	20.7	450	5.61	<0.1	1.7	2.0	11.6	16.0	0.38	<0.02	0.96	66	0.34
REP 1811103	QC		0.54	37.03	5.01	122.6	65	52.9	20.9	451	5.61	<0.1	1.6	1.3	10.6	15.8	0.37	<0.02	0.94	66	0.34
1811107	Rock	2.92	28.27	11.22	>10000	1602.3	>100000	0.8	0.4	2307	0.66	10.1	0.4	3.2	1.2	6.3	19.11	1649.47	7.89	<1	0.01
REP 1811107	QC																				
1811108	Rock	1.46	0.83	25.47	>10000	>10000	35295	6.5	1.9	>10000	19.08	10.4	0.8	<0.2	2.9	104.7	62.53	16.01	0.29	7	2.35
REP 1811108	QC																				
1811110	Rock	1.41	1.27	107.90	>10000	>10000	41390	6.5	2.4	>10000	21.92	14.3	0.5	9.0	2.1	13.5	318.00	14.13	3.21	8	0.48
REP 1811110	QC																				
1811111	Rock	1.55	0.39	20.51	323.13	450.8	799	36.2	12.1	467	2.91	1.2	2.2	1.3	19.5	326.2	1.14	0.30	1.39	41	2.91
REP 1811111	QC		0.31	20.26	307.53	432.3	769	34.0	12.1	456	2.85	0.9	2.1	0.5	18.2	308.0	1.10	0.35	1.47	40	2.80
1811126	Rock	3.08	71.29	82.50	>10000	>10000	>100000	3.1	2.1	>10000	34.60	43.7	5.1	10.4	2.3	212.5	123.45	36.96	0.92	7	0.09
REP 1811126	QC																				
1811702	Rock	3.00	15.86	151.43	>10000	>10000	>100000	0.6	0.4	1011	1.33	22.2	0.3	16.4	<0.1	14.1	62.05	749.47	64.90	<1	<0.01
REP 1811702	QC																				
1811703	Rock	3.01	237.00	494.56	>10000	>10000	>100000	24.8	18.8	>10000	18.98	2683.5	7.2	22.9	5.2	96.2	247.69	100.45	9.87	11	0.24
REP 1811703	QC		227.05	489.93	>10000	>10000	>100000	24.4	18.9	>10000	18.41	2609.2	6.9	22.6	4.9	94.8	237.58	97.47	9.40	11	0.24
Core Reject Duplicates																					
1811123	Rock	3.27	130.34	29.44	>10000	>10000	>100000	4.0	1.5	>10000	36.81	117.9	6.1	16.5	1.2	139.9	47.59	84.80	0.87	6	0.06
DUP 1811123	QC		125.83	28.32	>10000	>10000	>100000	3.7	1.4	>10000	35.13	113.1	5.9	10.6	1.1	135.7	44.73	80.19	0.76	5	0.06
Reference Materials																					
STD AGPROOF	Standard																				
STD AGPROOF	Standard																				
STD BVGEO01	Standard		10.24	4438.60	181.00	1737.1	2557	157.0	25.3	730	3.72	110.7	3.8	207.9	13.8	51.4	5.83	2.66	23.00	72	1.28
STD CPB-2	Standard																				
STD CPB-2	Standard																				
STD CPB-2	Standard																				
STD CPB-2	Standard																				
STD CPB-2	Standard																				





# QUALITY CONTROL REPORT

WHI20000082.1

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA530	GC817		
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Ag	Pb		
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	2		
Pulp Duplicates																						
1811103	Rock	0.101	26.3	82.1	1.53	338.3	0.334	<20	3.28	0.085	1.75	1.2	12.9	0.97	0.76	16	<0.1	0.03	14.0			
REP 1811103	QC	0.099	24.6	78.8	1.51	317.6	0.333	<20	3.21	0.084	1.73	1.2	12.6	0.94	0.75	5	<0.1	0.02	13.8			
1811107	Rock	0.003	<0.5	0.8	<0.01	2.9	0.001	<20	0.03	<0.001	0.01	3.4	0.3	0.42	>10	<5	<0.1	0.03	0.5	1579	79.22	
REP 1811107	QC																			80.68		
1811108	Rock	0.031	3.4	4.1	0.47	2.4	<0.001	<20	0.16	0.004	0.07	0.6	1.9	0.09	1.02	16	<0.1	<0.02	2.9	<2		
REP 1811108	QC																					
1811110	Rock	0.027	1.9	5.5	0.42	2.2	0.001	<20	0.26	0.006	0.08	0.5	2.6	0.09	4.16	57	2.8	0.04	3.8	<2		
REP 1811110	QC																					
1811111	Rock	0.049	48.4	56.1	0.71	24.1	0.158	<20	5.02	0.515	0.27	1.6	6.6	0.17	0.50	11	<0.1	0.07	15.0			
REP 1811111	QC	0.045	45.8	54.2	0.70	21.8	0.155	<20	4.83	0.494	0.26	1.3	6.3	0.17	0.49	<5	<0.1	0.06	13.3			
1811126	Rock	0.044	2.9	6.1	0.01	3.5	<0.001	<20	0.29	0.003	0.07	1.7	1.7	0.07	0.34	26	0.5	0.03	5.0	120	4.69	
REP 1811126	QC																			121		
1811702	Rock	<0.001	1.0	<0.5	<0.01	0.8	<0.001	<20	0.01	<0.001	<0.01	<0.1	<0.1	0.31	>10	17	0.8	0.02	0.2	840	79.02	
REP 1811702	QC																					
1811703	Rock	0.050	18.2	7.6	0.05	31.4	0.001	<20	0.41	0.003	0.21	4.8	4.8	0.32	0.40	73	1.8	0.05	2.6	277	3.89	
REP 1811703	QC	0.051	18.5	7.6	0.05	31.1	0.001	<20	0.42	0.003	0.22	4.6	4.8	0.31	0.39	67	1.8	0.05	2.6		3.95	
Core Reject Duplicates																						
1811123	Rock	0.051	1.9	5.6	<0.01	5.1	<0.001	<20	0.18	0.003	0.07	1.7	0.9	0.09	0.33	<5	0.3	0.04	3.6	168	8.37	
DUP 1811123	QC	0.051	1.8	5.1	<0.01	5.3	<0.001	<20	0.17	0.003	0.06	1.8	0.8	0.08	0.32	11	0.3	0.04	3.5	161	8.21	
Reference Materials																						
STD AGPROOF	Standard																				93	
STD AGPROOF	Standard																				96	
STD BVGE001	Standard	0.071	24.4	165.6	1.29	327.1	0.240	<20	2.21	0.174	0.87	4.0	5.7	0.62	0.68	90	4.6	0.99	7.1			
STD CPB-2	Standard																					63.62
STD CPB-2	Standard																					63.60
STD CPB-2	Standard																					63.54
STD CPB-2	Standard																					63.38
STD CPB-2	Standard																					63.42



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: August 13, 2020

Page: 1 of 2

Part: 3 of 3

# QUALITY CONTROL REPORT

WHI20000082.1

	Method	GC816
	Analyte	Zn
	Unit	%
	MDL	1
Pulp Duplicates		
1811103	Rock	
REP 1811103	QC	
1811107	Rock	
REP 1811107	QC	
1811108	Rock	2.76
REP 1811108	QC	3.24
1811110	Rock	13.85
REP 1811110	QC	17.90
1811111	Rock	
REP 1811111	QC	
1811126	Rock	3.87
REP 1811126	QC	
1811702	Rock	7.03
REP 1811702	QC	7.62
1811703	Rock	7.80
REP 1811703	QC	
Core Reject Duplicates		
1811123	Rock	3.32
DUP 1811123	QC	3.43
Reference Materials		
STD AGPROOF	Standard	
STD AGPROOF	Standard	
STD BVGEO01	Standard	
STD CPB-2	Standard	
STD CPB-2	Standard	
STD CPB-2	Standard	
STD CPB-2	Standard	
STD CPB-2	Standard	



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: August 13, 2020

Page: 2 of 2

Part: 1 of 3

# QUALITY CONTROL REPORT

WHI20000082.1

		WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
		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	
STD CPB-2	Standard																					
STD CZN-4	Standard																					
STD CZN-4	Standard																					
STD CZN-4	Standard																					
STD DS11	Standard		16.56	154.53	143.44	339.4	1663	80.9	14.3	1016	3.15	42.7	2.6	57.5	8.8	64.6	2.38	6.39	11.28	50	1.07	
STD DS11	Standard		15.70	143.37	143.01	340.1	1818	83.5	14.7	996	3.08	41.0	2.6	49.4	8.0	65.2	2.17	7.06	12.24	44	1.01	
STD OREAS262	Standard		0.75	120.62	60.23	148.0	484	65.1	29.5	563	3.37	37.0	1.2	64.8	9.4	36.8	0.67	3.59	1.05	22	3.09	
STD OREAS262	Standard		0.73	125.56	72.40	152.8	462	68.2	29.8	552	3.38	37.9	1.2	65.3	10.4	35.3	0.62	2.12	1.00	23	3.08	
STD OREAS262	Standard		0.68	115.99	64.04	149.9	443	67.5	29.5	539	3.42	36.0	1.4	59.6	10.6	36.2	0.65	2.55	1.14	21	3.10	
STD OXQ114	Standard																					
STD OXQ114	Standard																					
STD OXQ132	Standard																					
STD BVGE001 Expected			10.8	4415	187	1741	2530	163	25	733	3.7	121	3.77	219	14.4	55	6.5	2.2	25.6	73	1.3219	
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 CPB-2 Expected																						
STD CZN-4 Expected																						
BLK	Blank		<0.01	0.16	0.10	<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		0.01	<0.01	0.37	<0.1	10	<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		<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																					
Prep Wash																						
ROCK-WHI	Prep Blank		0.75	2.72	0.90	30.1	7	0.9	3.8	495	1.80	1.0	0.4	1.1	2.1	21.4	0.01	0.05	<0.02	22	0.61	
ROCK-WHI	Prep Blank		0.84	3.13	0.95	30.6	2	1.4	3.6	518	1.83	0.5	0.4	1.6	2.5	20.9	0.01	0.04	0.08	23	0.68	



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: August 13, 2020

Page: 2 of 2

Part: 2 of 3

# QUALITY CONTROL REPORT

WHI20000082.1

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	FA530	GC817		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Ag	Pb	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	%	
		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	2	
STD CPB-2	Standard																				63.54	
STD CZN-4	Standard																					
STD CZN-4	Standard																					
STD CZN-4	Standard																					
STD DS11	Standard	0.070	17.9	62.7	0.86	408.7	0.094	<20	1.14	0.072	0.40	2.6	3.5	5.21	0.30	253	2.0	4.80	5.2			
STD DS11	Standard	0.071	17.8	60.8	0.81	409.3	0.092	<20	1.11	0.069	0.38	2.7	3.2	5.05	0.27	216	2.1	4.68	4.8			
STD OREAS262	Standard	0.039	17.0	44.2	1.21	255.9	0.003	<20	1.32	0.065	0.31	0.1	3.2	0.50	0.27	159	0.4	0.25	4.0			
STD OREAS262	Standard	0.040	19.0	45.6	1.24	284.6	0.003	<20	1.31	0.070	0.33	<0.1	3.5	0.54	0.26	182	<0.1	0.21	4.6			
STD OREAS262	Standard	0.042	17.3	46.1	1.20	264.1	0.003	<20	1.30	0.071	0.30	0.1	3.6	0.50	0.26	151	0.4	0.24	3.9			
STD OXQ114	Standard																				136	
STD OXQ114	Standard																					125
STD OXQ132	Standard																					126
STD BVGE001 Expected		0.0727	25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	5.97	0.62	0.6655	100	4.84	1.02	7.37			
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 CPB-2 Expected																						63.52
STD CZN-4 Expected																						
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	<0.001	<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	0.4			
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
Prep Wash																						
ROCK-WHI	Prep Blank	0.039	6.5	4.4	0.44	60.4	0.075	<20	0.83	0.081	0.10	<0.1	3.2	<0.02	0.02	13	<0.1	<0.02	4.0			
ROCK-WHI	Prep Blank	0.038	6.2	5.2	0.47	64.2	0.071	<20	0.86	0.078	0.11	<0.1	3.1	0.03	0.04	6	<0.1	<0.02	4.1			



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: August 13, 2020

Page: 2 of 2

Part: 3 of 3

# QUALITY CONTROL REPORT

WHI20000082.1

		GC816 Zn % 1
STD CPB-2	Standard	
STD CZN-4	Standard	54.90
STD CZN-4	Standard	55.19
STD CZN-4	Standard	54.99
STD CZN-4	Standard	55.42
STD DS11	Standard	
STD DS11	Standard	
STD OREAS262	Standard	
STD OREAS262	Standard	
STD OREAS262	Standard	
STD OXQ114	Standard	
STD OXQ114	Standard	
STD OXQ132	Standard	
STD BVGE001	Expected	
STD DS11	Expected	
STD OREAS262	Expected	
STD AGPROOF	Expected	
STD OXQ114	Expected	
STD OXQ132	Expected	
STD CPB-2	Expected	
STD CZN-4	Expected	55.24
BLK	Blank	
BLK	Blank	
BLK	Blank	
BLK	Blank	
BLK	Blank	
Prep Wash		
ROCK-WHI	Prep Blank	
ROCK-WHI	Prep Blank	