



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

Submitted By: James Rogers  
Receiving Lab: Canada-Whitehorse  
Received: September 04, 2020  
Analysis Start: November 05, 2020  
Report Date: November 25, 2020  
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# CERTIFICATE OF ANALYSIS

WHI20000361.3

## CLIENT JOB INFORMATION

Project: Silverhart  
Shipment ID:  
P.O. Number  
Number of Samples: 42

## 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.

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	41	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ250	42	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SPG04	42	Specific Gravity by Picnometry		Completed	VAN
SHP01	42	Per sample shipping charges for branch shipments			VAN
FA530	25	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN
AQ374	33	1:1:1 Aqua Regia digestion ICP-ES analysis	0.4	Completed	VAN
GC817	5	Lead Assay by Classical Titration	0.5	Completed	VAN

## ADDITIONAL COMMENTS

Version 3 : GC817-Pb included.

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

CC: Kevin Brewer  
Vedran Pobric



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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**Project:** Silverhart  
**Report Date:** November 25, 2020

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# CERTIFICATE OF ANALYSIS

# WHI20000361.3

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	
1775001	Rock	0.40	1.61	5214.70	>10000	>10000	>100000	0.4	3.7	6460	3.05	933.5	0.4	499.9	0.4	1.9	729.64	>2000	56.95	<1	0.04
1775002	Rock	1.09	1.60	8.15	138.70	1044.0	2270	0.5	2.2	7502	3.27	817.3	5.3	18.7	10.3	8.8	2.08	2.50	0.09	<1	0.15
1775003	Rock	0.25	0.68	1496.30	676.78	>10000	85382	1.5	7.3	7094	3.42	669.4	2.8	99.1	2.2	1.4	853.13	43.35	1.06	<1	0.03
1775004	Rock	0.64	1.85	3589.45	>10000	>10000	>100000	2.6	7.7	4232	2.59	4917.6	6.2	556.7	5.8	3.5	476.37	1910.23	9.89	<1	0.06
1775005	Rock	0.84	6.65	346.25	>10000	>10000	>100000	1.1	2.1	3626	1.74	973.0	3.6	55.5	8.9	6.4	108.67	83.23	5.49	<1	0.08
1775006	Rock	0.59	1.88	3308.56	>10000	>10000	>100000	1.0	7.1	>10000	4.80	3711.3	1.8	406.4	2.1	1.7	525.77	1963.71	48.49	<1	0.03
1775007	Rock	1.07	18.98	5827.14	>10000	>10000	>100000	0.9	9.8	1846	2.48	89.9	5.7	14626.5	4.1	11.5	615.58	910.24	3.46	<1	0.04
1775008	Rock	0.61	3.49	2818.10	>10000	>10000	>100000	0.5	11.1	1355	0.97	69.4	1.6	207.9	1.1	3.4	799.24	>2000	0.63	<1	0.01
1775009	Rock	0.89	1.17	4500.96	>10000	>10000	>100000	0.5	10.2	2109	1.48	119.4	0.5	493.6	0.6	2.1	815.78	>2000	2.96	<1	0.01
1775010	Rock	0.76	2.78	34.40	1401.40	1551.8	11035	0.7	3.0	3347	1.37	4.3	6.8	5.4	22.9	19.7	5.96	3.91	0.08	6	0.66
1775011	Rock	1.88	4.69	37.92	927.25	>10000	14363	4.3	10.8	>10000	24.39	3341.6	1.0	13.2	2.1	1.5	196.40	55.73	0.13	3	0.12
1775012	Rock	1.63	1.59	26.20	1689.24	>10000	10688	3.5	5.8	>10000	21.97	634.8	0.8	6.4	1.4	1.8	183.89	8.73	0.13	3	0.17
1775013	Rock	1.12	8.59	205.30	505.12	>10000	24622	2.6	1.7	>10000	17.14	928.4	2.0	13.6	2.1	83.9	92.49	13.21	0.67	2	0.05
1775014	Rock	0.75	17.06	1691.12	3748.84	>10000	>100000	8.2	9.2	>10000	15.30	4436.4	4.5	66.6	4.2	71.5	264.80	61.27	3.60	4	0.07
1775015	Rock	1.78	95.86	75.09	103.17	>10000	2462	9.9	5.2	>10000	33.17	691.6	4.3	16.2	3.1	356.7	62.48	1.86	1.20	<1	0.11
1775016	Rock	1.14	18.94	922.92	6159.87	>10000	>100000	1.7	16.3	3585	2.94	>10000	12.3	672.0	5.4	4.3	393.11	79.16	1.97	<1	0.02
1775017	Rock	0.52	2.18	48.73	>10000	>10000	>100000	19.3	8.7	>10000	5.33	131.3	1.7	1.6	14.1	14.5	129.99	60.59	1.16	4	0.36
1775018	Rock	0.30	1.98	316.36	>10000	>10000	>100000	8.5	6.0	>10000	13.73	797.0	1.7	9.6	3.6	3.8	801.37	93.92	0.24	2	0.17
1775019	Rock	1.24	0.97	25.51	1331.18	>10000	10133	3.0	2.9	>10000	11.20	123.7	1.6	1.8	1.9	6.2	119.89	6.23	1.68	1	0.14
1775020	Rock	0.86	11.17	281.06	3634.26	>10000	>100000	34.7	15.2	>10000	6.22	222.3	2.3	3.6	17.7	7.0	72.48	72.74	3.47	7	0.27
1775021	Rock	1.04	9.89	416.97	3692.83	>10000	>100000	32.0	10.8	>10000	7.36	234.4	1.9	3.9	15.6	7.5	36.54	113.60	5.87	10	0.27
1775022	Rock	0.61	17.96	3996.79	>10000	>10000	>100000	4.7	7.2	9525	14.60	2700.3	2.7	91.9	1.6	2.6	1043.69	519.09	64.28	2	0.06
1775023	Rock	0.83	7.86	211.17	4342.36	>10000	34499	7.3	5.2	>10000	15.55	181.0	1.6	41.0	3.4	8.6	33.37	13.11	59.19	8	6.30
1775024	Rock	0.82	1.12	8.01	806.02	2228.2	2293	0.7	3.2	>10000	3.53	6.5	6.8	<0.2	19.3	23.0	6.48	0.67	0.23	3	0.58
1775025	Rock	0.38	3.73	717.18	1087.86	>10000	>100000	0.5	4.0	>10000	25.79	17.4	3.3	40.6	1.8	2.2	181.31	274.78	0.39	2	0.12
1775026	Rock	0.46	44.20	280.38	283.67	>10000	>100000	9.2	3.4	>10000	39.34	1812.4	5.6	6.5	1.8	303.7	77.95	49.83	0.25	<1	0.11
1775027	Rock	0.75	40.99	293.47	593.15	>10000	>100000	8.9	5.8	>10000	32.16	899.1	4.3	6.0	4.4	383.8	95.29	13.80	0.87	4	0.13
1775028	Rock	0.76	3.80	4.11	1900.55	5218.5	4975	0.7	2.6	6938	2.83	13.0	6.3	<0.2	19.6	7.4	15.19	3.87	0.08	6	0.24
1775029	Rock	1.21	4.65	5440.77	3466.23	>10000	>100000	0.6	10.5	>10000	8.04	66.0	9.1	381.5	6.4	4.0	796.80	762.76	1.82	2	0.13
1775030	Rock	0.95	24.82	259.71	1609.55	>10000	63588	9.1	4.8	>10000	13.95	1182.2	3.0	7.7	15.3	128.6	144.24	7.50	14.04	8	0.28



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**Project:** Silverhart  
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# CERTIFICATE OF ANALYSIS

WHI20000361.3

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	SPG04	FA530
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Density	Ag	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	g/cm3	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	0.01	20	
1775001	Rock	<0.001	<0.5	1.1	0.02	5.9	<0.001	<20	0.03	<0.001	0.02	0.1	0.2	0.51	9.08	719	6.0	0.71	3.7	4.24	4172
1775002	Rock	0.043	14.4	1.3	0.06	15.0	<0.001	<20	0.22	0.003	0.20	0.2	0.7	0.18	0.16	<5	0.2	<0.02	0.5	2.84	
1775003	Rock	0.005	1.9	0.8	0.03	8.6	<0.001	<20	0.10	<0.001	0.09	1.3	0.3	0.15	>10	1018	8.7	0.03	4.7	3.44	
1775004	Rock	0.017	6.9	1.4	0.04	12.6	<0.001	<20	0.17	0.001	0.16	0.8	0.6	0.35	5.55	271	4.7	0.80	2.9	3.10	2381
1775005	Rock	0.027	12.2	1.2	0.04	14.3	<0.001	<20	0.18	0.003	0.19	1.1	0.7	0.31	2.50	70	1.1	<0.02	1.8	2.90	225
1775006	Rock	0.005	2.3	1.0	0.05	7.9	<0.001	<20	0.09	<0.001	0.08	2.5	1.1	0.46	7.70	368	4.9	0.73	2.6	3.77	2511
1775007	Rock	0.008	7.3	1.3	0.02	10.6	<0.001	<20	0.14	<0.001	0.14	0.4	0.6	0.41	>10	194	2.9	0.76	2.7	3.78	2795
1775008	Rock	0.002	<0.5	1.0	0.01	5.2	<0.001	<20	0.02	<0.001	0.02	0.1	0.1	0.41	>10	222	4.1	0.73	2.6	5.22	2969
1775009	Rock	<0.001	<0.5	1.0	0.02	5.0	<0.001	<20	0.03	<0.001	0.03	0.3	<0.1	0.36	>10	306	4.6	0.80	3.0	4.43	4192
1775010	Rock	0.093	57.7	1.7	0.14	21.6	<0.001	<20	0.38	0.003	0.28	0.2	2.3	0.30	0.18	11	<0.1	<0.02	1.2	2.76	
1775011	Rock	0.001	1.8	2.5	0.24	3.5	<0.001	<20	0.08	0.002	0.04	0.8	1.1	1.08	4.70	36	1.1	<0.02	1.1	3.57	
1775012	Rock	0.005	3.6	2.1	0.31	4.0	<0.001	<20	0.10	0.002	0.06	0.7	1.1	0.35	1.98	29	0.9	<0.02	2.4	3.48	
1775013	Rock	0.009	4.3	2.3	<0.01	7.9	<0.001	<20	0.18	<0.001	0.10	0.2	2.4	0.10	0.04	57	0.6	0.03	2.2	3.10	
1775014	Rock	0.020	14.7	4.1	0.02	24.3	<0.001	<20	0.40	<0.001	0.11	0.6	3.3	0.14	0.04	88	0.9	0.07	3.1	3.03	271
1775015	Rock	0.010	7.3	4.7	0.01	10.1	<0.001	<20	0.14	<0.001	0.14	0.9	1.5	0.13	<0.02	6	0.3	0.05	1.5	3.48	
1775016	Rock	0.005	5.1	1.2	0.02	11.8	<0.001	<20	0.19	0.002	0.16	11.8	0.4	0.31	4.91	220	2.4	0.03	2.5	3.00	207
1775017	Rock	0.031	24.4	3.6	0.26	23.8	<0.001	<20	0.32	0.003	0.27	0.7	3.5	0.32	1.56	19	0.3	0.07	2.5	3.03	128
1775018	Rock	0.018	6.0	1.9	0.27	11.7	<0.001	<20	0.18	<0.001	0.13	1.3	1.3	0.17	5.79	138	4.2	0.04	3.0	3.47	116
1775019	Rock	0.046	1.0	3.0	0.11	7.8	<0.001	<20	0.09	0.003	0.07	0.7	0.6	0.09	1.76	24	0.5	0.05	1.7	3.02	
1775020	Rock	0.034	44.9	5.8	0.25	22.1	<0.001	<20	0.37	0.002	0.32	>100	8.4	0.32	1.20	<5	0.3	0.10	2.9	2.97	166
1775021	Rock	0.017	32.8	5.7	0.33	33.2	<0.001	<20	0.32	0.004	0.27	>100	6.2	0.21	0.76	<5	<0.1	0.14	2.3	2.97	194
1775022	Rock	0.004	2.6	2.6	0.07	2.6	<0.001	<20	0.30	<0.001	0.04	3.1	1.3	5.12	>10	193	5.3	3.06	5.2	3.80	784
1775023	Rock	0.014	3.1	6.6	0.21	14.5	0.014	<20	1.15	<0.001	0.08	48.4	3.5	0.79	1.39	<5	0.3	3.79	12.7	3.30	
1775024	Rock	0.077	41.9	1.5	0.19	27.1	<0.001	<20	0.33	0.002	0.30	0.3	2.2	0.33	0.15	5	<0.1	<0.02	0.8	2.85	
1775025	Rock	<0.001	1.7	0.5	0.33	6.4	<0.001	<20	0.07	<0.001	0.08	0.8	4.5	0.11	1.95	115	1.3	0.05	2.6	3.62	414
1775026	Rock	0.038	7.5	4.2	0.01	7.3	<0.001	<20	0.08	0.001	0.09	6.3	1.4	0.05	<0.02	31	0.4	0.07	1.0	3.70	374
1775027	Rock	0.022	12.9	5.8	0.02	7.4	<0.001	<20	0.16	0.007	0.20	3.0	2.9	0.09	0.02	25	0.3	0.09	2.7	3.61	316
1775028	Rock	0.072	45.5	1.7	0.12	15.0	<0.001	<20	0.39	0.002	0.30	0.3	2.0	0.30	0.27	<5	<0.1	<0.02	1.7	2.83	
1775029	Rock	0.027	11.4	0.7	0.15	8.8	<0.001	<20	0.26	<0.001	0.16	1.3	1.5	0.41	6.51	321	2.8	0.09	3.6	3.17	3640
1775030	Rock	0.053	45.1	10.3	0.02	21.8	0.004	<20	0.55	0.001	0.43	3.4	8.3	0.63	0.02	35	0.8	0.03	2.7	3.09	



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# CERTIFICATE OF ANALYSIS

WHI20000361.3

Method	Analyte	AQ374	AQ374	GC817
		Pb	Zn	Pb
Unit		%	%	%
MDL		0.01	0.01	2
1775001	Rock	>10	28.03	25.58
1775002	Rock			
1775003	Rock	0.08	36.78	
1775004	Rock	1.80	16.06	
1775005	Rock	3.48	3.84	
1775006	Rock	>10	17.73	19.05
1775007	Rock	>10	12.78	26.18
1775008	Rock	>10	16.35	51.75
1775009	Rock	>10	17.52	38.16
1775010	Rock			
1775011	Rock	0.10	4.29	
1775012	Rock	0.16	4.13	
1775013	Rock	0.05	2.19	
1775014	Rock	0.36	2.69	
1775015	Rock	0.01	2.15	
1775016	Rock	0.58	11.46	
1775017	Rock	3.33	1.50	
1775018	Rock	1.25	16.06	
1775019	Rock	0.12	2.89	
1775020	Rock	0.36	2.01	
1775021	Rock	0.36	1.06	
1775022	Rock	7.88	16.30	
1775023	Rock	0.44	1.11	
1775024	Rock			
1775025	Rock	0.11	6.25	
1775026	Rock	0.03	2.03	
1775027	Rock	0.06	2.39	
1775028	Rock			
1775029	Rock	0.34	16.82	
1775030	Rock	0.15	3.07	



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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	
1775031	Rock	0.47	63.53	199.15	1613.83	>10000	>100000	37.2	30.9	>10000	15.45	3725.9	4.2	31.0	5.2	226.2	380.79	25.20	4.95	5	0.47
1775032	Rock	0.59	11.73	361.39	932.55	>10000	79919	5.2	4.3	7347	6.49	2621.2	2.5	38.5	5.7	30.1	246.67	18.10	12.16	4	0.26
1775033	Rock	1.85	24.72	146.13	577.20	>10000	76771	5.0	2.8	>10000	37.33	1266.1	4.0	8.8	3.6	121.9	171.10	7.88	1.10	1	0.05
1775034	Rock	0.84	25.45	592.75	2606.43	>10000	>100000	33.9	24.2	>10000	6.60	936.8	4.4	4.1	14.8	234.5	73.10	32.44	17.39	18	1.51
1775035	Rock	0.52	28.45	340.73	565.51	>10000	>100000	35.3	15.1	>10000	15.21	2498.5	3.7	12.2	13.9	334.4	90.32	14.13	0.97	8	0.10
1775036	Rock	0.75	14.48	265.95	1033.18	7674.5	>100000	29.3	16.5	>10000	7.12	694.8	2.7	3.9	15.9	115.8	30.73	6.26	1.28	8	0.08
1775037	Rock	3.51	26.12	253.73	1587.59	>10000	>100000	15.5	8.8	>10000	15.77	2018.6	2.3	15.8	9.6	193.4	55.24	11.00	2.21	5	0.10
1775038	Rock	0.82	3.32	8.41	130.31	2372.7	1656	0.8	1.4	7846	2.61	45.9	7.7	0.8	12.5	8.0	5.57	0.69	0.06	<1	0.16
1775039	Rock	0.35	0.37	3723.24	337.87	>10000	>100000	0.7	1.6	>10000	3.77	691.1	4.5	198.6	5.0	3.7	223.01	>2000	0.17	<1	0.06
1775040	Rock	0.67	0.53	35.63	224.13	1541.5	18488	0.7	1.0	9707	3.08	96.1	7.2	6.5	12.0	10.9	3.00	9.74	0.05	<1	0.20
1775041	Rock Pulp	0.22	743.00	8575.93	1404.37	891.1	>100000	3.8	2.1	149	1.48	547.5	0.4	104.5	0.9	78.6	8.84	1995.63	52.76	3	0.51
1775042	Rock	1.66	0.03	1.68	1.51	24.5	826	<0.1	<0.1	125	0.10	1.3	<0.1	0.7	0.2	40.0	0.10	1.09	<0.02	<1	19.85



Bureau Veritas Commodities Canada Ltd.

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460-688 West Hastings St.

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Project: Silverhart

Report Date: November 25, 2020

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# CERTIFICATE OF ANALYSIS

WHI20000361.3

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	SPG04	FA530
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Density	Ag	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	g/cm3	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	0.01	20	
1775031	Rock	0.027	34.1	6.3	0.01	79.5	0.004	<20	0.35	<0.001	0.10	45.1	3.2	1.03	0.03	49	0.9	0.05	3.2	3.30	178
1775032	Rock	0.026	13.1	9.3	0.02	19.7	0.003	<20	0.43	<0.001	0.29	4.0	2.4	0.38	0.02	69	0.8	0.03	2.7	2.95	
1775033	Rock	0.050	8.0	2.7	<0.01	8.6	<0.001	<20	0.13	<0.001	0.11	3.6	2.2	0.10	0.04	35	0.3	0.05	2.4	3.80	
1775034	Rock	0.021	49.7	19.3	0.34	75.8	0.016	<20	1.76	0.006	0.46	3.0	7.1	0.79	<0.02	17	0.4	0.04	5.2	3.15	304
1775035	Rock	0.031	46.1	7.3	0.02	40.8	<0.001	<20	0.52	0.005	0.33	7.5	5.2	0.39	<0.02	32	<0.1	0.09	1.5	3.21	248
1775036	Rock	0.024	52.0	9.8	0.02	29.9	0.001	<20	0.55	0.004	0.37	2.1	5.6	0.32	<0.02	8	<0.1	0.04	1.2	2.93	135
1775037	Rock	0.021	24.2	6.3	0.02	21.5	<0.001	<20	0.40	0.003	0.29	3.6	4.0	0.27	<0.02	15	0.4	0.05	1.2	3.12	121
1775038	Rock	0.063	13.6	1.5	0.11	18.4	<0.001	<20	0.35	0.005	0.31	0.4	0.9	0.28	0.16	<5	<0.1	<0.02	0.9	2.80	
1775039	Rock	0.017	5.0	1.4	0.08	10.7	<0.001	<20	0.18	0.003	0.18	0.3	0.4	0.14	3.36	178	2.7	<0.02	1.3	2.98	2082
1775040	Rock	0.068	20.9	1.4	0.14	12.8	<0.001	<20	0.29	0.004	0.27	0.5	0.9	0.25	0.08	<5	<0.1	<0.02	0.7	2.83	
1775041	Rock Pulp	0.009	1.3	26.6	0.12	54.2	0.002	<20	0.18	0.016	0.11	0.9	0.3	0.04	0.74	5427	1.8	4.03	1.0	2.72	809
1775042	Rock	0.001	<0.5	<0.5	12.23	2.1	<0.001	<20	0.01	0.002	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	2.89	



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**Client:** Longford Exploration Services Ltd.  
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Vancouver British Columbia V6B 1P1 Canada

**Project:** Silverhart  
**Report Date:** November 25, 2020

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## CERTIFICATE OF ANALYSIS

WHI20000361.3

	Method	AQ374	AQ374	GC817
		Pb	Zn	Pb
Analyte		%	%	%
Unit				
MDL		0.01	0.01	2
1775031	Rock	0.16	6.59	
1775032	Rock	0.08	6.25	
1775033	Rock	0.06	2.80	
1775034	Rock	0.26	2.09	
1775035	Rock	0.06	1.28	
1775036	Rock			
1775037	Rock	0.16	1.53	
1775038	Rock			
1775039	Rock	0.04	9.41	
1775040	Rock			
1775041	Rock Pulp			
1775042	Rock			



# QUALITY CONTROL REPORT

WHI20000361.3

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																					
1775001	Rock	0.40	1.61	5214.70	>10000	>10000	>100000	0.4	3.7	6460	3.05	933.5	0.4	499.9	0.4	1.9	729.64	>2000	56.95	<1	0.04
REP 1775001	QC																				
1775006	Rock	0.59	1.88	3308.56	>10000	>10000	>100000	1.0	7.1	>10000	4.80	3711.3	1.8	406.4	2.1	1.7	525.77	1963.71	48.49	<1	0.03
REP 1775006	QC																				
1775008	Rock	0.61	3.49	2818.10	>10000	>10000	>100000	0.5	11.1	1355	0.97	69.4	1.6	207.9	1.1	3.4	799.24	>2000	0.63	<1	0.01
REP 1775008	QC																				
1775014	Rock	0.75	17.06	1691.12	3748.84	>10000	>100000	8.2	9.2	>10000	15.30	4436.4	4.5	66.6	4.2	71.5	264.80	61.27	3.60	4	0.07
REP 1775014	QC																				
1775026	Rock	0.46	44.20	280.38	283.67	>10000	>100000	9.2	3.4	>10000	39.34	1812.4	5.6	6.5	1.8	303.7	77.95	49.83	0.25	<1	0.11
REP 1775026	QC		45.89	284.67	285.94	>10000	>100000	9.4	3.3	>10000	39.91	1840.3	5.7	8.1	1.8	323.9	78.28	50.16	0.25	<1	0.11
1775036	Rock	0.75	14.48	265.95	1033.18	7674.5	>100000	29.3	16.5	>10000	7.12	694.8	2.7	3.9	15.9	115.8	30.73	6.26	1.28	8	0.08
REP 1775036	QC																				
1775041	Rock Pulp	0.22	743.00	8575.93	1404.37	891.1	>100000	3.8	2.1	149	1.48	547.5	0.4	104.5	0.9	78.6	8.84	1995.63	52.76	3	0.51
REP 1775041	QC		749.52	8609.31	1434.68	963.5	>100000	4.4	2.2	154	1.51	556.0	0.4	82.0	0.7	76.9	8.46	>2000	53.08	3	0.52
Core Reject Duplicates																					
1775022	Rock	0.61	17.96	3996.79	>10000	>10000	>100000	4.7	7.2	9525	14.60	2700.3	2.7	91.9	1.6	2.6	1043.69	519.09	64.28	2	0.06
DUP 1775022	QC		12.50	2933.44	>10000	>10000	>100000	4.8	7.7	>10000	14.39	2383.6	2.5	97.3	1.1	2.8	1097.39	515.32	53.44	2	0.08
Reference Materials																					
STD AGPROOF	Standard																				
STD AGPROOF	Standard																				
STD AGPROOF	Standard																				
STD AMIS0342	Standard																				
STD AMIS0330	Standard																				
STD AMIS0330	Standard																				
STD AMIS0349	Standard																				
STD BVGEO01	Standard		10.11	4319.69	187.74	1684.6	2528	154.6	22.8	686	3.63	121.0	3.7	210.7	16.4	53.9	6.07	2.47	24.33	71	1.29
STD CPB-2	Standard																				
STD CPB-2	Standard																				





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**Client: Longford Exploration Services Ltd.**  
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Vancouver British Columbia V6B 1P1 Canada

Project: Silverhart  
Report Date: November 25, 2020

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# QUALITY CONTROL REPORT

WHI20000361.3

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	SPG04	FA530		
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Density	Ag		
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	g/cm3	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	0.01	20		
Pulp Duplicates																						
1775001	Rock	<0.001	<0.5	1.1	0.02	5.9	<0.001	<20	0.03	<0.001	0.02	0.1	0.2	0.51	9.08	719	6.0	0.71	3.7	4.24	4172	
REP 1775001	QC																					
1775006	Rock	0.005	2.3	1.0	0.05	7.9	<0.001	<20	0.09	<0.001	0.08	2.5	1.1	0.46	7.70	368	4.9	0.73	2.6	3.77	2511	
REP 1775006	QC																					
1775008	Rock	0.002	<0.5	1.0	0.01	5.2	<0.001	<20	0.02	<0.001	0.02	0.1	0.1	0.41	>10	222	4.1	0.73	2.6	5.22	2969	
REP 1775008	QC																			5.22		
1775014	Rock	0.020	14.7	4.1	0.02	24.3	<0.001	<20	0.40	<0.001	0.11	0.6	3.3	0.14	0.04	88	0.9	0.07	3.1	3.03	271	
REP 1775014	QC																					267
1775026	Rock	0.038	7.5	4.2	0.01	7.3	<0.001	<20	0.08	0.001	0.09	6.3	1.4	0.05	<0.02	31	0.4	0.07	1.0	3.70	374	
REP 1775026	QC	0.039	7.5	4.5	0.01	7.4	<0.001	<20	0.08	0.001	0.09	6.5	1.4	0.05	<0.02	26	0.3	0.07	0.9			
1775036	Rock	0.024	52.0	9.8	0.02	29.9	0.001	<20	0.55	0.004	0.37	2.1	5.6	0.32	<0.02	8	<0.1	0.04	1.2	2.93	135	
REP 1775036	QC																					2.91
1775041	Rock Pulp	0.009	1.3	26.6	0.12	54.2	0.002	<20	0.18	0.016	0.11	0.9	0.3	0.04	0.74	5427	1.8	4.03	1.0	2.72	809	
REP 1775041	QC	0.008	1.4	25.3	0.11	54.5	0.002	<20	0.18	0.016	0.12	0.9	0.3	0.04	0.78	5668	1.8	4.99	1.1			
Core Reject Duplicates																						
1775022	Rock	0.004	2.6	2.6	0.07	2.6	<0.001	<20	0.30	<0.001	0.04	3.1	1.3	5.12	>10	193	5.3	3.06	5.2	3.80	784	
DUP 1775022	QC	0.004	2.6	2.1	0.11	2.2	<0.001	<20	0.26	<0.001	0.03	2.8	1.1	4.34	>10	211	5.9	2.50	5.0	3.83	810	
Reference Materials																						
STD AGPROOF	Standard																				100	
STD AGPROOF	Standard																				98	
STD AGPROOF	Standard																				98	
STD AMIS0342	Standard																				2.68	
STD AMIS0330	Standard																				3.20	
STD AMIS0330	Standard																				3.23	
STD AMIS0349	Standard																				2.80	
STD BVGEO01	Standard	0.073	25.9	158.6	1.29	334.4	0.223	<20	2.30	0.201	0.92	3.5	6.3	0.61	0.67	76	4.9	1.05	7.6			
STD CPB-2	Standard																					
STD CPB-2	Standard																					



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**Project:** Silverhart  
**Report Date:** November 25, 2020

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# QUALITY CONTROL REPORT

WHI20000361.3

Method	AQ374	AQ374	GC817
Analyte	Pb	Zn	Pb
Unit	%	%	%
MDL	0.01	0.01	2
Pulp Duplicates			
1775001	Rock	>10	28.03 25.58
REP 1775001	QC	>10	27.78
1775006	Rock	>10	17.73 19.05
REP 1775006	QC		19.06
1775008	Rock	>10	16.35 51.75
REP 1775008	QC		
1775014	Rock	0.36	2.69
REP 1775014	QC		
1775026	Rock	0.03	2.03
REP 1775026	QC		
1775036	Rock		
REP 1775036	QC		
1775041	Rock Pulp		
REP 1775041	QC		
Core Reject Duplicates			
1775022	Rock	7.88	16.30
DUP 1775022	QC	8.50	17.93
Reference Materials			
STD AGPROOF	Standard		
STD AGPROOF	Standard		
STD AGPROOF	Standard		
STD AMIS0342	Standard		
STD AMIS0330	Standard		
STD AMIS0330	Standard		
STD AMIS0349	Standard		
STD BVGEO01	Standard		
STD CPB-2	Standard		63.46
STD CPB-2	Standard		63.53



# QUALITY CONTROL REPORT

WHI20000361.3

	WGHT	AQ250	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 DS11	Standard	13.27	139.00	137.74	326.7	1686	72.3	12.9	964	2.95	42.9	2.8	109.5	8.6	65.5	2.64	7.84	12.02	46	0.99	
STD DS11	Standard	13.19	142.42	145.10	344.4	1607	79.8	13.8	1038	3.15	43.6	2.8	45.2	8.3	67.1	2.30	8.98	12.72	44	1.02	
STD GC-7	Standard																				
STD OREAS133A	Standard																				
STD OREAS262	Standard	0.64	120.43	56.41	155.9	480	63.7	26.6	520	3.29	37.1	1.2	67.9	9.7	35.4	0.62	3.06	0.93	21	2.90	
STD OREAS262	Standard	0.64	108.70	55.82	154.6	492	58.3	25.9	499	3.20	34.4	1.3	59.2	10.0	39.3	0.73	2.71	1.13	21	2.81	
STD OREAS262	Standard	0.69	118.82	57.86	164.7	508	67.1	29.2	551	3.43	38.0	1.3	67.5	11.2	39.9	0.68	4.50	1.12	20	3.13	
STD OXQ114	Standard																				
STD OXQ114	Standard																				
STD OXQ114	Standard																				
STD OXQ132	Standard																				
STD OXQ132	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 AMIS0342 Expected																					
STD AMIS0330 Expected																					
STD AMIS0349 Expected																					
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 GC-7 Expected																					
STD OREAS133A Expected																					
STD CPB-2 Expected																					
BLK	Blank	0.03	0.08	0.05	0.5	11	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	0.09	<0.02	<1	<0.01	
BLK	Blank	<0.01	<0.01	0.21	0.9	9	<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																				



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Project: Silverhart

Report Date: November 25, 2020

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# QUALITY CONTROL REPORT

WHI20000361.3

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	SPG04	FA530	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Density	Ag
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	g/cm3	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	0.01	20
STD DS11	Standard	0.070	18.6	55.0	0.80	401.6	0.089	<20	1.07	0.067	0.38	2.8	2.9	4.66	0.26	232	1.7	4.37	4.5		
STD DS11	Standard	0.072	18.2	57.9	0.83	421.8	0.092	<20	1.07	0.068	0.39	2.6	3.2	4.98	0.27	247	1.7	4.49	4.7		
STD GC-7	Standard																				
STD OREAS133A	Standard																				
STD OREAS262	Standard	0.042	17.0	42.6	1.20	248.6	0.003	<20	1.24	0.071	0.33	0.1	3.6	0.46	0.28	165	0.3	0.22	3.9		
STD OREAS262	Standard	0.041	17.9	40.0	1.18	247.4	0.003	<20	1.24	0.070	0.32	<0.1	3.6	0.44	0.26	166	0.3	0.23	3.8		
STD OREAS262	Standard	0.039	16.0	41.8	1.21	267.8	0.003	<20	1.12	0.069	0.28	0.2	3.2	0.50	0.25	183	<0.1	0.23	3.6		
STD OXQ114	Standard																				128
STD OXQ114	Standard																				116
STD OXQ114	Standard																				127
STD OXQ132	Standard																				135
STD OXQ132	Standard																				120
STD OXQ132	Standard																				130
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 AMIS0342 Expected																					2.67
STD AMIS0330 Expected																					3.21
STD AMIS0349 Expected																					2.77
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 GC-7 Expected																					
STD OREAS133A Expected																					
STD CPB-2 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	7	<0.1	<0.02	<0.1		
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																				<20



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Vancouver British Columbia V6B 1P1 Canada

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		AQ374	AQ374	GC817
		Pb	Zn	Pb
		%	%	%
		0.01	0.01	2
STD DS11	Standard			
STD DS11	Standard			
STD GC-7	Standard	>10	21.17	
STD OREAS133A	Standard	4.88	10.43	
STD OREAS262	Standard			
STD OREAS262	Standard			
STD OREAS262	Standard			
STD OXQ114	Standard			
STD OXQ114	Standard			
STD OXQ114	Standard			
STD OXQ132	Standard			
STD OXQ132	Standard			
STD OXQ132	Standard			
STD BVGE001 Expected				
STD AMIS0342 Expected				
STD AMIS0330 Expected				
STD AMIS0349 Expected				
STD DS11 Expected				
STD OREAS262 Expected				
STD AGPROOF Expected				
STD OXQ114 Expected				
STD OXQ132 Expected				
STD GC-7 Expected		10.44	22.06	
STD OREAS133A Expected		4.86	10.6	
STD CPB-2 Expected				63.52
BLK	Blank			
BLK	Blank			
BLK	Blank			
BLK	Blank			



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# QUALITY CONTROL REPORT

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		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
BLK	Blank		<0.01	<0.01	0.01	0.3	<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		0.60	1.80	2.49	40.8	25	0.7	3.1	382	1.61	2.9	0.5	0.3	2.8	23.6	0.11	0.09	0.05	20	0.58
ROCK-WHI	Prep Blank		0.67	2.03	2.04	36.0	25	0.9	3.4	384	1.60	1.7	0.5	<0.2	2.9	24.6	0.08	0.09	<0.02	21	0.55



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		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	SPG04	FA530
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Density	Ag
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	g/cm3	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	0.01	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	<0.1		
BLK	Blank																				<20
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	0.041	7.1	2.6	0.38	68.1	0.082	<20	0.80	0.079	0.09	<0.1	2.7	<0.02	0.02	<5	<0.1	<0.02	3.4	2.72	
ROCK-WHI	Prep Blank	0.041	7.0	2.9	0.40	59.5	0.087	<20	0.81	0.079	0.09	<0.1	2.9	<0.02	<0.02	5	<0.1	<0.02	3.4	2.69	



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		AQ374	AQ374	GC817
		Pb	Zn	Pb
		%	%	%
		0.01	0.01	2
BLK	Blank			
BLK	Blank			
BLK	Blank	<0.01	<0.01	
Prep Wash				
ROCK-WHI	Prep Blank			
ROCK-WHI	Prep Blank			