



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: August 31, 2020
Analysis Start: September 29, 2020
Report Date: October 09, 2020
Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI20000333.1

CLIENT JOB INFORMATION

Project: Silverhart
Shipment ID:
P.O. Number
Number of Samples: 100

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

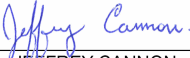
Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	100	Dry at 60C			WHI
SS80	100	Dry at 60C sieve 100g to -80 mesh			WHI
AQ250	100	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SHP01	100	Per sample shipping charges for branch shipments			VAN
SVRJT	100	Save all or part of Soil Reject			WHI

ADDITIONAL COMMENTS

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


JEFFREY CANNON
Geochemistry Department Supervisor

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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Page: 2 of 5

Part: 1 of 2

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	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		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	0.001
2063821	Soil	24.81	31.19	33.06	161.2	653	13.8	6.6	706	2.68	3.9	9.3	3.2	5.2	71.3	0.36	0.34	0.62	48	0.61	0.072
2063822	Soil	16.56	15.20	29.69	157.4	651	9.9	6.0	530	2.33	4.0	5.9	1.1	4.9	72.9	0.28	0.37	0.53	41	0.61	0.063
2063823	Soil	5.71	5.70	11.65	106.7	326	6.7	4.1	213	1.66	1.8	1.3	0.5	5.1	45.0	0.15	0.16	0.31	35	0.34	0.030
2063824	Soil	14.63	23.41	28.88	150.4	678	15.5	8.0	495	2.05	5.0	6.8	1.2	1.6	100.3	0.58	0.56	0.48	30	0.79	0.100
2063825	Soil	16.29	18.64	104.82	283.5	879	14.6	8.0	555	2.72	5.8	8.8	1.4	11.9	47.0	0.34	0.44	0.73	46	0.51	0.065
2063826	Soil	11.36	11.41	27.56	102.5	393	9.9	6.3	357	2.31	3.6	11.4	1.4	7.8	37.8	0.12	0.27	0.37	42	0.41	0.054
2063827	Soil	8.81	16.23	19.85	83.8	285	10.0	5.0	253	1.91	2.5	21.2	0.9	5.0	47.7	0.18	0.24	0.40	36	0.49	0.081
2063828	Soil	16.66	19.80	25.69	116.1	448	11.4	6.8	352	2.66	2.7	27.9	1.1	5.4	30.6	0.25	0.18	0.69	56	0.26	0.071
2063829	Soil	10.77	14.60	18.40	82.0	155	7.7	4.4	197	1.79	1.6	21.2	<0.2	1.9	33.3	0.28	0.14	0.44	38	0.21	0.056
2063830	Soil	6.58	5.78	11.87	56.8	161	6.1	4.1	178	1.56	1.0	6.1	0.2	4.5	15.4	0.08	0.10	0.31	34	0.13	0.035
2063831	Soil	9.82	12.11	21.29	91.9	431	9.3	5.5	239	2.11	1.9	17.6	<0.2	2.2	24.1	0.22	0.14	0.48	44	0.17	0.053
2063832	Soil	9.59	10.16	29.88	89.8	309	10.1	6.1	282	2.27	2.4	4.2	0.7	6.1	23.8	0.22	0.16	0.51	50	0.18	0.049
2063833	Soil	9.66	9.06	36.36	87.2	727	7.4	4.5	223	1.84	2.2	3.1	<0.2	3.0	19.4	0.21	0.15	0.56	43	0.14	0.037
2063834	Soil	6.66	7.34	57.86	177.8	2318	6.5	4.5	227	1.89	4.6	1.3	<0.2	2.4	21.8	0.67	0.73	0.91	44	0.13	0.031
2063835	Soil	5.95	20.64	40.74	104.7	716	8.4	3.8	198	1.06	1.3	15.6	<0.2	1.0	72.2	1.20	0.20	0.49	23	0.61	0.047
2063836	Soil	15.07	28.34	47.21	153.0	1687	19.7	10.5	991	2.63	12.9	33.7	<0.2	4.5	90.2	0.35	0.33	0.69	44	0.82	0.079
2063837	Soil	12.40	13.90	25.94	94.8	586	12.1	6.1	285	2.34	2.8	8.3	<0.2	3.2	25.6	0.26	0.20	0.62	53	0.16	0.039
2063838	Soil	14.59	14.61	26.11	103.4	871	12.1	7.2	429	2.25	2.1	16.6	<0.2	3.1	43.6	0.24	0.21	0.46	42	0.39	0.064
2063839	Soil	9.96	15.13	21.47	131.9	577	11.5	5.6	303	2.02	2.6	8.8	0.8	3.7	56.7	0.52	0.26	0.42	36	0.61	0.047
2063840	Soil	12.41	22.42	27.91	145.9	355	12.0	7.0	389	2.27	2.7	18.1	0.5	3.8	58.2	0.51	0.24	0.53	44	0.61	0.062
2063841	Soil	10.06	24.62	27.50	114.5	290	13.4	7.4	431	2.40	3.6	26.0	<0.2	8.6	45.3	0.23	0.27	0.44	43	0.55	0.080
2063842	Soil	15.68	16.61	32.09	116.5	304	9.6	6.4	538	2.20	3.4	19.8	<0.2	5.4	41.1	0.13	0.25	0.44	40	0.44	0.062
2063843	Soil	10.23	9.93	29.04	188.4	324	6.7	5.6	440	2.08	2.5	6.9	<0.2	3.8	37.3	0.67	0.24	0.45	38	0.40	0.039
2063901	Soil	2.83	6.20	10.72	59.4	179	4.9	3.6	177	1.63	1.1	1.3	<0.2	2.6	18.4	0.10	0.11	0.44	34	0.16	0.067
2063902	Soil	1.33	5.56	10.24	52.1	247	4.3	3.4	184	1.69	1.2	0.8	<0.2	6.0	14.2	0.09	0.12	0.36	35	0.22	0.111
2063903	Soil	2.35	5.32	13.13	62.8	517	4.9	4.1	256	1.55	0.9	1.1	<0.2	9.8	13.6	0.11	0.10	0.32	32	0.17	0.084
2063904	Soil	0.37	5.03	3.68	22.2	29	1.1	0.6	21	0.28	0.2	0.5	<0.2	0.4	7.6	0.20	0.03	0.05	8	0.04	0.030
2063905	Soil	2.47	6.92	26.71	368.1	245	5.9	3.7	419	1.88	3.1	1.4	0.4	2.6	19.4	1.78	0.27	0.27	29	0.20	0.051
2063906	Soil	3.79	7.24	19.71	96.8	382	4.4	2.9	280	1.14	1.5	1.6	<0.2	0.3	15.6	0.47	0.18	0.26	19	0.13	0.072
2063907	Soil	22.30	18.33	104.19	231.5	259	8.8	11.7	4538	1.53	0.9	2.8	<0.2	0.3	28.1	3.75	0.21	0.35	23	0.19	0.118



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Page: 2 of 5

Part: 2 of 2

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Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		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
2063821	Soil	42.8	19.4	0.56	188.4	0.080	<20	2.14	0.013	0.21	2.2	3.9	0.28	0.03	8	<0.1	<0.02	9.3
2063822	Soil	29.4	18.3	0.52	156.4	0.080	<20	1.80	0.011	0.22	1.8	3.6	0.29	0.04	18	<0.1	<0.02	7.8
2063823	Soil	22.8	11.3	0.42	80.7	0.104	<20	1.12	0.009	0.13	0.5	2.3	0.15	<0.02	<5	<0.1	<0.02	6.3
2063824	Soil	24.6	16.4	0.34	126.7	0.038	<20	1.71	0.015	0.13	0.8	2.4	0.19	0.08	34	0.3	0.03	6.9
2063825	Soil	42.4	19.2	0.55	162.6	0.088	<20	2.27	0.011	0.16	1.0	4.7	0.28	<0.02	15	<0.1	<0.02	8.8
2063826	Soil	34.8	14.7	0.53	101.0	0.102	<20	1.62	0.011	0.13	1.7	3.6	0.20	<0.02	12	<0.1	<0.02	7.1
2063827	Soil	36.7	13.0	0.44	140.0	0.083	<20	1.45	0.011	0.15	0.5	3.0	0.21	0.03	14	<0.1	<0.02	6.2
2063828	Soil	36.0	17.1	0.58	201.5	0.118	<20	2.27	0.010	0.25	0.4	4.1	0.30	0.03	20	<0.1	<0.02	10.4
2063829	Soil	27.0	14.6	0.37	122.4	0.070	<20	1.46	0.008	0.12	0.2	2.1	0.17	0.03	6	<0.1	<0.02	8.7
2063830	Soil	31.3	10.0	0.36	64.9	0.091	<20	1.12	0.009	0.10	0.3	2.2	0.16	<0.02	14	<0.1	<0.02	6.8
2063831	Soil	30.8	14.8	0.46	110.4	0.085	<20	1.75	0.008	0.15	0.3	2.5	0.22	0.02	21	<0.1	<0.02	8.4
2063832	Soil	27.1	15.4	0.51	86.8	0.114	<20	1.65	0.007	0.14	0.3	3.0	0.21	<0.02	8	<0.1	<0.02	7.8
2063833	Soil	23.4	11.8	0.34	87.9	0.090	<20	1.24	0.008	0.13	0.4	2.1	0.20	<0.02	23	<0.1	<0.02	7.9
2063834	Soil	23.1	12.4	0.31	84.0	0.076	<20	1.09	0.006	0.13	0.7	1.8	0.15	<0.02	29	<0.1	0.03	8.5
2063835	Soil	29.5	7.9	0.20	138.3	0.042	<20	0.85	0.012	0.09	0.4	1.3	0.12	0.03	8	<0.1	<0.02	5.7
2063836	Soil	47.7	18.2	0.45	181.3	0.063	<20	2.11	0.012	0.16	0.5	4.1	0.25	0.05	37	0.1	<0.02	7.6
2063837	Soil	26.9	17.5	0.50	105.2	0.099	<20	1.80	0.009	0.15	0.3	3.0	0.25	<0.02	19	<0.1	<0.02	8.4
2063838	Soil	31.9	16.0	0.50	162.1	0.087	<20	1.75	0.010	0.17	0.4	3.1	0.24	0.04	15	<0.1	<0.02	7.7
2063839	Soil	23.2	17.1	0.47	120.9	0.086	<20	1.42	0.006	0.20	0.6	3.0	0.25	0.03	21	<0.1	<0.02	6.5
2063840	Soil	26.3	16.5	0.53	146.2	0.090	<20	1.74	0.013	0.17	0.4	3.4	0.24	0.03	19	<0.1	<0.02	8.2
2063841	Soil	40.3	16.8	0.51	126.9	0.101	<20	1.57	0.010	0.17	0.4	3.5	0.23	0.02	7	<0.1	<0.02	7.1
2063842	Soil	36.4	12.7	0.46	130.0	0.068	<20	1.72	0.009	0.12	0.4	2.9	0.25	0.02	10	<0.1	0.02	7.1
2063843	Soil	29.6	11.7	0.40	119.0	0.073	<20	1.34	0.007	0.15	0.5	2.5	0.16	<0.02	16	<0.1	<0.02	6.9
2063901	Soil	30.5	7.8	0.35	78.2	0.078	<20	1.14	0.010	0.12	0.2	1.8	0.18	<0.02	14	<0.1	<0.02	6.3
2063902	Soil	26.7	7.4	0.31	50.7	0.083	<20	0.99	0.009	0.13	0.3	1.9	0.20	<0.02	13	<0.1	<0.02	5.4
2063903	Soil	29.0	8.1	0.34	51.5	0.090	<20	1.18	0.008	0.13	0.3	2.4	0.20	<0.02	13	<0.1	<0.02	5.9
2063904	Soil	2.6	2.0	0.02	55.2	0.004	<20	0.18	0.019	0.02	<0.1	0.2	0.04	<0.02	11	<0.1	<0.02	1.1
2063905	Soil	25.3	11.7	0.22	156.7	0.049	<20	0.85	0.005	0.08	0.6	1.4	0.12	0.02	18	<0.1	<0.02	6.1
2063906	Soil	27.0	7.8	0.16	91.8	0.013	<20	0.72	0.007	0.07	0.4	0.3	0.10	0.03	29	<0.1	<0.02	4.6
2063907	Soil	19.4	10.9	0.13	427.9	0.018	<20	0.79	0.009	0.11	1.3	0.5	0.17	0.04	50	0.1	<0.02	5.3

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Page: 3 of 5

Part: 1 of 2

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		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	0.001
2063908	Soil	6.73	11.37	26.05	211.8	669	5.9	4.4	266	1.87	3.2	5.3	<0.2	9.1	9.8	0.21	0.19	0.35	32	0.09	0.038
2063909	Soil	9.10	12.54	33.51	281.4	1111	6.9	4.5	320	2.13	3.3	4.3	<0.2	8.3	13.2	0.27	0.18	0.42	36	0.11	0.050
2063910	Soil	18.53	23.69	31.59	177.7	656	11.4	8.1	727	2.25	4.0	24.0	<0.2	3.6	72.4	0.52	0.30	0.55	38	0.70	0.034
2063911	Soil	15.39	29.85	29.42	195.9	915	12.7	6.6	478	2.40	23.3	39.6	0.2	8.4	73.7	0.29	0.41	0.50	40	0.82	0.069
2063912	Soil	21.77	44.21	30.70	209.5	3401	15.7	7.1	595	2.67	21.7	81.3	0.6	4.4	121.5	0.29	0.56	0.61	43	1.29	0.108
2063913	Soil	22.31	21.92	30.46	167.7	909	16.4	9.3	685	3.24	10.6	27.0	0.9	8.1	69.2	0.16	0.40	0.75	62	0.63	0.057
2063914	Soil	32.38	31.70	31.72	172.7	2112	19.1	14.7	1514	2.77	6.0	49.1	0.4	4.0	97.8	0.57	0.47	0.67	47	0.96	0.104
2063915	Soil	17.80	25.11	34.64	179.8	759	17.2	7.5	536	2.60	6.8	28.4	<0.2	3.8	69.4	0.46	0.36	0.70	44	0.70	0.082
2063916	Soil	18.58	13.75	20.30	120.3	630	11.8	7.9	534	2.10	2.9	9.0	1.0	3.5	36.8	0.51	0.22	0.52	40	0.24	0.039
2063917	Soil	32.72	16.39	34.52	137.3	682	12.4	11.0	840	2.63	4.3	11.4	<0.2	4.1	32.9	0.59	0.27	0.70	52	0.19	0.046
2063918	Soil	15.39	20.73	57.37	265.0	1846	18.0	7.9	522	2.79	8.1	14.0	0.4	5.2	69.0	0.59	0.46	0.62	43	0.71	0.096
2063919	Soil	13.27	19.94	57.27	256.2	1314	15.9	6.7	456	2.54	6.3	10.3	0.5	4.3	57.8	0.50	0.46	0.65	39	0.60	0.088
2063920	Soil	15.18	23.75	79.94	300.4	1085	17.9	7.7	546	2.82	7.9	11.9	<0.2	4.3	57.6	0.94	0.49	0.72	44	0.63	0.088
2063921	Soil	8.73	20.07	176.71	341.5	1821	11.4	6.7	561	2.19	11.5	8.6	<0.2	6.1	42.8	0.82	1.41	0.59	34	0.51	0.085
2063922	Soil	11.18	20.87	318.64	583.1	3236	12.2	5.8	406	2.24	4.9	4.9	0.3	10.9	28.1	0.61	1.19	0.54	43	0.29	0.030
2063923	Soil	10.38	40.94	723.61	933.8	6911	13.9	7.3	611	2.47	5.0	9.3	2.0	5.1	41.1	1.42	2.12	0.64	45	0.45	0.064
2063924	Soil	9.26	36.54	658.85	919.9	9854	12.9	6.8	663	2.36	4.3	7.1	<0.2	5.7	45.0	1.47	2.19	0.57	41	0.49	0.052
2063925	Soil	8.56	79.53	1110.08	1584.5	46432	17.8	6.9	1067	2.72	4.3	22.1	1.8	2.6	122.4	4.70	3.76	0.67	36	1.49	0.106
2063926	Soil	8.52	81.97	976.23	1720.5	27942	16.3	7.0	951	2.90	4.6	16.1	0.7	4.8	85.7	3.73	3.81	0.71	42	1.06	0.074
2063927	Soil	9.14	75.92	867.63	1585.7	15145	14.7	9.2	1179	2.46	3.1	11.7	0.6	4.6	71.2	4.64	2.04	0.66	41	0.82	0.057
2063928	Soil	1.54	9.02	74.75	274.8	1613	3.2	2.8	246	1.15	1.2	3.0	0.6	8.1	21.7	0.78	0.57	0.17	21	0.25	0.027
2063929	Soil	1.98	8.66	98.61	333.9	1043	5.0	3.9	321	1.49	1.6	2.1	0.4	10.3	18.6	0.57	0.52	0.20	27	0.22	0.031
2063930	Soil	2.36	8.98	211.95	318.8	1173	5.3	4.0	390	1.68	2.0	2.3	<0.2	9.7	16.1	0.44	0.70	0.27	29	0.24	0.066
2063931	Soil	2.11	14.49	214.04	230.1	558	6.2	5.6	765	2.23	2.4	3.4	0.2	21.2	30.2	0.42	0.77	0.36	36	0.45	0.114
2063932	Soil	1.51	8.15	208.51	399.8	1114	5.2	4.1	348	1.87	1.9	1.4	<0.2	9.8	12.4	0.60	1.20	0.30	32	0.17	0.046
2063933	Soil	2.47	9.82	276.50	835.3	3284	7.2	3.9	204	1.66	1.5	1.0	<0.2	9.1	14.6	1.22	1.02	0.30	34	0.15	0.027
2063934	Soil	2.09	15.26	373.90	913.3	5160	10.1	5.7	277	2.75	2.4	3.7	0.4	4.0	41.8	1.88	1.12	0.55	53	0.40	0.066
2063935	Soil	1.74	26.54	1221.37	1791.5	4392	8.6	5.4	387	1.80	1.3	5.1	0.7	5.1	19.9	2.15	1.74	0.45	40	0.15	0.030
2063936	Soil	2.63	6.10	304.73	181.1	1583	2.8	1.5	65	0.73	0.4	1.9	<0.2	0.6	14.4	0.79	0.66	0.33	23	0.10	0.019
2063937	Soil	8.24	12.67	147.34	355.0	2136	8.0	4.4	303	1.78	1.7	2.5	0.7	1.6	16.6	0.79	0.73	0.51	45	0.11	0.025



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Report Date: October 09, 2020

Page: 3 of 5

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI20000333.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		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
2063908	Soil	29.0	11.0	0.34	70.6	0.063	<20	1.54	0.006	0.11	0.6	2.3	0.12	<0.02	16	<0.1	<0.02	6.2
2063909	Soil	28.6	12.4	0.36	83.5	0.066	<20	1.61	0.007	0.12	0.5	2.3	0.14	<0.02	27	<0.1	<0.02	7.2
2063910	Soil	32.6	18.3	0.44	163.0	0.049	<20	1.91	0.010	0.11	6.3	3.4	0.16	0.02	14	<0.1	0.02	7.9
2063911	Soil	34.9	20.4	0.50	124.8	0.091	<20	1.72	0.010	0.19	3.2	4.2	0.25	0.04	27	0.1	<0.02	6.7
2063912	Soil	45.6	22.6	0.52	213.6	0.067	<20	2.33	0.013	0.21	3.9	4.1	0.30	0.08	37	0.3	0.02	8.6
2063913	Soil	36.4	22.6	0.73	225.2	0.140	<20	2.58	0.014	0.31	1.3	5.0	0.38	0.04	26	<0.1	<0.02	10.6
2063914	Soil	48.5	19.4	0.53	233.6	0.075	<20	2.33	0.012	0.23	1.2	4.0	0.34	0.08	62	0.3	0.03	7.7
2063915	Soil	33.2	20.5	0.52	163.8	0.072	<20	2.17	0.012	0.22	1.7	3.7	0.26	0.06	21	0.1	<0.02	7.6
2063916	Soil	23.6	14.8	0.42	135.3	0.083	<20	1.70	0.011	0.17	0.9	3.3	0.21	0.02	17	<0.1	<0.02	7.5
2063917	Soil	24.7	17.2	0.39	167.8	0.074	<20	1.94	0.014	0.17	1.3	3.4	0.20	0.02	23	<0.1	0.03	9.1
2063918	Soil	33.0	21.8	0.57	141.2	0.072	<20	2.20	0.012	0.23	1.0	4.3	0.26	0.05	45	0.1	<0.02	7.8
2063919	Soil	30.6	19.6	0.49	135.2	0.060	<20	2.05	0.010	0.23	1.1	3.5	0.27	0.05	35	0.2	0.02	7.0
2063920	Soil	33.9	20.1	0.52	151.4	0.069	<20	2.26	0.011	0.24	0.9	3.9	0.24	0.05	29	<0.1	0.03	7.8
2063921	Soil	34.7	13.8	0.41	103.4	0.070	<20	1.37	0.010	0.19	0.5	3.1	0.20	0.03	22	0.1	<0.02	5.6
2063922	Soil	31.7	17.0	0.43	100.6	0.102	<20	1.52	0.008	0.17	0.7	3.6	0.22	<0.02	23	<0.1	<0.02	7.7
2063923	Soil	36.3	15.6	0.49	135.3	0.074	<20	1.84	0.010	0.17	0.6	3.4	0.23	0.02	22	<0.1	0.02	8.2
2063924	Soil	32.5	14.1	0.46	131.7	0.077	<20	1.80	0.009	0.22	1.2	3.5	0.26	0.03	25	<0.1	<0.02	7.4
2063925	Soil	45.0	14.6	0.43	216.4	0.035	<20	2.55	0.014	0.26	1.0	3.5	0.31	0.10	99	0.6	<0.02	8.7
2063926	Soil	39.8	14.7	0.48	189.9	0.051	<20	2.41	0.013	0.29	1.1	4.1	0.34	0.07	63	0.3	0.04	9.3
2063927	Soil	37.9	14.8	0.43	158.8	0.064	<20	1.74	0.009	0.19	0.8	3.6	0.28	0.04	50	0.1	<0.02	8.3
2063928	Soil	36.3	4.9	0.24	51.9	0.052	<20	0.72	0.007	0.11	0.2	1.8	0.14	<0.02	14	<0.1	0.02	4.1
2063929	Soil	35.7	8.0	0.33	64.6	0.073	<20	0.96	0.009	0.16	0.5	2.4	0.20	<0.02	14	<0.1	<0.02	5.4
2063930	Soil	35.5	7.9	0.35	68.5	0.063	<20	1.10	0.007	0.17	0.3	2.2	0.18	<0.02	18	<0.1	<0.02	5.5
2063931	Soil	46.0	8.5	0.48	127.1	0.060	<20	1.28	0.007	0.31	0.9	3.4	0.27	<0.02	7	<0.1	<0.02	6.0
2063932	Soil	29.5	7.6	0.39	64.6	0.056	<20	1.33	0.006	0.15	0.4	2.3	0.21	<0.02	13	<0.1	<0.02	6.2
2063933	Soil	24.8	11.4	0.32	62.5	0.068	<20	1.03	0.005	0.09	0.3	2.0	0.15	<0.02	9	<0.1	<0.02	6.7
2063934	Soil	29.2	15.7	0.50	109.0	0.118	<20	1.57	0.011	0.19	1.7	2.7	0.17	0.04	36	<0.1	0.02	9.4
2063935	Soil	36.7	13.6	0.37	95.8	0.094	<20	1.30	0.007	0.12	0.3	2.7	0.15	<0.02	20	<0.1	<0.02	7.2
2063936	Soil	24.2	6.4	0.11	53.6	0.044	<20	0.55	0.006	0.06	0.2	0.6	0.10	<0.02	22	<0.1	<0.02	5.1
2063937	Soil	24.1	14.2	0.31	75.6	0.074	<20	1.20	0.006	0.10	0.2	1.7	0.16	<0.02	20	<0.1	<0.02	8.3



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Page: 4 of 5

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000333.1

Method Analyte	Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		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	0.001
2063938	Soil	3.70	7.91	22.65	67.4	953	2.3	1.0	203	0.54	0.6	0.8	<0.2	0.3	18.6	0.85	0.19	0.31	17	0.10	0.019
2063939	Soil	4.01	7.40	30.72	111.5	390	5.8	4.5	386	1.71	3.2	4.0	1.1	11.9	9.4	0.17	0.28	0.31	29	0.18	0.079
2063940	Soil	4.57	5.59	19.15	91.5	251	5.0	3.3	179	1.58	1.8	1.2	<0.2	3.4	7.8	0.13	0.20	0.39	31	0.06	0.037
2063941	Soil	9.78	8.03	24.74	100.4	331	5.7	4.4	621	1.69	1.4	4.1	0.2	1.2	23.8	0.26	0.13	0.40	32	0.15	0.035
2063942	Soil	8.74	8.78	19.95	110.6	471	5.3	3.6	276	1.56	1.3	5.1	<0.2	1.6	23.9	0.31	0.14	0.36	30	0.21	0.044
2063943	Soil	3.92	4.82	18.75	86.3	293	4.6	3.4	202	1.60	1.5	1.2	<0.2	6.3	7.6	0.14	0.17	0.37	30	0.09	0.054
2063851	Soil	11.20	16.49	56.06	251.0	931	12.7	5.5	403	2.08	4.7	11.9	<0.2	3.3	61.1	0.65	0.59	0.53	33	0.68	0.083
2063852	Soil	14.07	18.98	74.84	279.8	839	14.3	7.2	540	2.41	5.2	8.5	0.7	3.8	60.1	0.66	0.58	0.62	40	0.69	0.073
2063853	Soil	14.15	25.46	69.44	259.5	710	16.3	7.4	545	2.45	4.6	10.3	<0.2	3.7	59.0	0.82	0.49	0.63	41	0.67	0.076
2063854	Soil	5.57	10.96	34.35	126.6	475	8.2	4.1	262	1.45	2.3	4.5	0.7	5.8	28.3	0.38	0.24	0.33	27	0.38	0.086
2063855	Soil	8.04	14.98	47.37	172.2	708	11.1	5.8	378	1.91	4.4	5.3	0.6	4.9	33.9	0.32	0.41	0.42	34	0.40	0.066
2063856	Soil	10.22	29.95	116.16	285.8	1176	15.7	6.7	452	2.46	4.4	8.0	<0.2	3.7	50.2	1.01	0.40	0.58	45	0.54	0.052
2063857	Soil	16.37	28.50	1167.06	757.0	38202	9.9	3.8	736	1.99	4.8	5.7	1.6	1.8	53.9	1.30	5.52	0.70	33	0.59	0.057
2063858	Soil	12.61	34.59	861.82	683.5	19928	13.2	6.0	1116	2.53	8.6	8.5	1.2	3.9	48.1	0.87	3.99	0.78	40	0.57	0.090
2063859	Soil	11.43	25.24	975.02	641.5	21179	9.5	5.2	1034	2.13	6.0	8.8	0.5	3.2	40.7	0.92	4.23	0.58	33	0.44	0.091
2063860	Soil	10.33	33.86	882.41	888.9	7646	11.5	6.4	899	2.35	4.6	8.7	1.0	4.9	40.0	1.20	2.01	0.63	42	0.45	0.064
2063861	Soil	8.33	24.13	509.51	702.9	5655	9.9	5.3	504	2.20	3.8	5.9	0.5	3.9	45.3	0.77	1.79	0.60	39	0.48	0.046
2063862	Soil	11.53	48.10	751.53	929.4	8440	13.1	14.4	1486	3.00	2.8	7.3	0.7	2.3	61.1	1.77	1.05	0.71	55	0.66	0.072
2063863	Soil	5.08	21.96	231.35	379.9	2120	6.6	4.2	429	1.73	1.2	3.2	0.2	4.0	30.6	0.75	0.56	0.40	32	0.36	0.042
2063864	Soil	4.00	20.97	145.11	341.8	2588	6.0	3.8	390	1.53	1.4	5.0	0.4	5.8	22.7	0.33	0.47	0.37	28	0.32	0.045
2063865	Soil	9.10	33.42	523.43	645.3	3602	11.3	4.7	364	2.04	3.3	10.8	0.5	6.3	30.3	0.85	0.85	0.44	36	0.33	0.056
2063866	Soil	11.42	47.17	624.62	845.5	5467	21.3	6.7	659	2.64	4.1	14.3	0.8	6.0	53.3	1.29	1.27	0.58	46	0.56	0.066
2063867	Soil	8.76	24.19	490.60	633.0	8225	14.0	6.5	522	2.30	3.7	9.6	0.7	7.5	59.5	1.27	1.12	0.53	41	0.63	0.051
2063868	Soil	7.10	22.51	400.67	527.4	4448	9.8	4.8	486	1.80	3.7	7.2	0.5	5.2	35.9	0.95	1.07	0.42	32	0.43	0.078
2063869	Soil	9.90	25.18	632.82	711.1	8372	14.6	5.6	596	2.05	3.4	7.1	0.7	5.2	43.2	1.16	1.36	0.51	35	0.45	0.060
2063870	Soil	10.49	30.48	765.47	871.9	9925	13.2	5.0	492	2.14	4.4	7.1	0.5	4.3	35.8	0.91	2.05	0.52	38	0.39	0.068
2063871	Soil	15.64	65.70	567.75	730.3	18742	23.7	7.2	760	2.82	9.2	20.1	1.6	3.7	59.9	2.14	2.25	0.86	43	0.52	0.082
2063872	Soil	6.06	17.76	553.04	1271.3	26080	12.4	5.4	994	2.57	6.6	3.3	3.0	9.6	19.5	0.58	6.00	0.68	32	0.21	0.051
2063873	Soil	4.96	20.79	133.71	229.2	3690	12.0	4.1	250	1.97	3.6	2.5	1.1	1.1	33.0	0.81	0.54	0.87	37	0.20	0.046
2063874	Soil	10.07	18.99	50.39	131.2	2022	12.0	5.5	425	1.90	2.1	21.6	0.5	5.3	67.9	0.24	0.26	0.51	37	0.79	0.086



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Page: 4 of 5

Part: 2 of 2

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Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
MDL		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
2063938	Soil	13.9	4.8	0.03	76.4	0.030	<20	0.36	0.010	0.04	0.1	0.4	0.04	<0.02	21	<0.1	0.03	3.7
2063939	Soil	36.0	8.5	0.28	67.4	0.053	<20	1.28	0.008	0.12	0.5	2.0	0.15	<0.02	18	<0.1	<0.02	4.8
2063940	Soil	26.5	8.8	0.24	64.8	0.064	<20	1.00	0.006	0.09	0.7	1.7	0.14	<0.02	22	<0.1	<0.02	7.1
2063941	Soil	29.4	8.6	0.32	103.1	0.037	<20	1.40	0.006	0.10	0.3	1.3	0.13	0.02	20	<0.1	0.02	6.9
2063942	Soil	26.1	8.0	0.32	117.0	0.048	<20	1.20	0.007	0.12	0.4	1.7	0.17	0.02	27	<0.1	<0.02	6.2
2063943	Soil	27.2	7.6	0.28	55.8	0.053	<20	1.16	0.007	0.08	0.4	1.9	0.11	<0.02	15	<0.1	<0.02	5.8
2063851	Soil	28.2	15.7	0.42	139.7	0.056	<20	1.75	0.012	0.17	1.1	2.9	0.22	0.05	31	0.1	<0.02	6.7
2063852	Soil	36.7	18.3	0.48	161.0	0.065	<20	2.02	0.010	0.16	0.9	3.6	0.24	0.04	32	0.3	<0.02	7.9
2063853	Soil	37.1	19.2	0.49	161.3	0.074	<20	1.92	0.011	0.19	0.8	3.2	0.24	0.05	27	<0.1	<0.02	7.5
2063854	Soil	36.7	10.0	0.30	85.9	0.065	<20	1.04	0.010	0.13	0.6	2.2	0.15	0.02	26	0.1	<0.02	4.8
2063855	Soil	33.2	13.9	0.41	125.5	0.079	<20	1.41	0.010	0.20	0.8	2.8	0.24	0.03	23	0.1	<0.02	6.0
2063856	Soil	34.7	16.1	0.52	191.4	0.086	<20	2.14	0.010	0.23	0.8	3.5	0.24	0.03	24	<0.1	<0.02	9.2
2063857	Soil	27.0	12.4	0.30	126.0	0.036	<20	1.41	0.007	0.16	0.5	1.8	0.25	0.04	46	0.2	0.02	6.9
2063858	Soil	36.5	13.8	0.43	135.2	0.052	<20	1.81	0.009	0.22	1.2	3.0	0.26	0.04	32	0.3	0.02	7.2
2063859	Soil	36.5	11.0	0.34	98.9	0.044	<20	1.51	0.009	0.14	1.2	2.6	0.20	0.04	61	0.2	0.02	6.0
2063860	Soil	37.3	13.4	0.43	116.7	0.064	<20	1.70	0.010	0.18	0.8	3.0	0.25	0.02	25	<0.1	<0.02	7.6
2063861	Soil	32.5	12.3	0.44	128.0	0.065	<20	1.69	0.010	0.17	0.7	2.8	0.23	<0.02	22	<0.1	<0.02	8.1
2063862	Soil	26.8	15.8	0.52	193.2	0.062	<20	2.55	0.007	0.32	0.5	3.0	0.33	0.03	45	0.2	0.03	12.5
2063863	Soil	25.1	9.4	0.33	90.0	0.055	<20	1.39	0.008	0.15	0.4	2.1	0.19	<0.02	14	<0.1	<0.02	6.7
2063864	Soil	35.1	9.0	0.32	76.6	0.056	<20	1.21	0.010	0.11	0.5	2.1	0.18	<0.02	15	<0.1	<0.02	5.2
2063865	Soil	40.6	14.3	0.40	104.1	0.064	<20	1.62	0.010	0.17	0.4	3.1	0.23	<0.02	20	0.1	<0.02	6.8
2063866	Soil	44.3	28.2	0.54	149.4	0.076	<20	2.13	0.009	0.27	0.5	4.0	0.31	0.03	24	0.2	0.02	8.7
2063867	Soil	35.3	18.7	0.49	136.9	0.076	<20	1.84	0.012	0.18	0.6	3.8	0.25	0.02	53	0.1	<0.02	7.7
2063868	Soil	33.9	11.7	0.37	85.5	0.065	<20	1.24	0.008	0.17	0.7	2.6	0.19	0.02	26	<0.1	0.02	5.2
2063869	Soil	31.9	19.8	0.41	106.8	0.061	<20	1.52	0.008	0.15	0.6	2.8	0.21	0.02	23	0.2	0.02	6.6
2063870	Soil	32.4	15.9	0.42	83.5	0.067	<20	1.46	0.007	0.14	0.4	2.7	0.19	<0.02	23	<0.1	<0.02	6.4
2063871	Soil	53.7	23.4	0.45	155.8	0.055	<20	2.01	0.008	0.20	0.8	3.7	0.25	0.04	52	0.3	0.04	7.7
2063872	Soil	38.7	20.7	0.43	56.6	0.061	<20	1.51	0.006	0.15	1.3	3.4	0.24	<0.02	34	0.2	<0.02	5.8
2063873	Soil	21.7	19.7	0.27	122.1	0.046	<20	1.42	0.007	0.14	0.4	1.5	0.19	0.02	26	<0.1	0.02	7.9
2063874	Soil	38.6	16.1	0.43	132.4	0.078	<20	1.49	0.010	0.14	0.4	3.1	0.19	0.04	35	0.2	0.02	6.1

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.



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Project: Silverhart
Report Date: October 09, 2020

Page: 5 of 5

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000333.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P		
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
		MDL	0.01	0.01	0.01	0.1	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	0.001	
2063875	Soil	5.11	7.53	35.60	81.4	436	8.9	3.9	227	1.42	1.6	5.7	5.8	9.4	32.8	0.10	0.16	0.31	30	0.46	0.104		
2063876	Soil	7.07	11.73	21.77	90.1	700	10.4	5.1	267	1.69	1.2	11.0	0.5	4.4	50.5	0.13	0.16	0.36	33	0.58	0.074		
2063877	Soil	11.10	17.60	24.95	122.4	485	14.7	5.8	278	2.23	1.7	13.3	2.0	4.0	51.1	0.21	0.14	0.54	48	0.54	0.041		
2063878	Soil	18.32	18.95	23.63	137.0	559	16.2	8.4	822	2.15	1.9	14.6	0.4	0.9	68.4	0.39	0.19	0.50	38	0.74	0.068		
2063879	Soil	7.70	10.20	21.91	109.7	348	14.1	5.4	240	1.73	2.5	4.3	0.3	3.5	35.0	0.20	0.24	0.25	29	0.43	0.068		
2063880	Soil	11.99	16.87	28.17	167.2	461	13.4	7.9	422	2.44	3.1	9.1	0.3	9.0	37.5	0.25	0.27	0.47	43	0.38	0.029		
2063881	Soil	5.67	6.82	21.07	91.1	183	6.8	4.0	213	1.64	1.5	0.9	0.3	2.0	9.1	0.10	0.15	0.44	33	0.10	0.036		
2063882	Soil	6.23	6.21	21.32	71.5	102	6.4	4.1	206	1.71	2.1	1.9	<0.2	6.8	12.8	0.09	0.16	0.35	30	0.12	0.042		
2063883	Soil	8.41	10.35	27.96	108.6	366	7.8	5.2	265	2.13	2.3	2.1	0.3	4.5	10.0	0.20	0.21	0.41	37	0.11	0.049		
2063884	Soil	6.19	4.45	21.72	177.4	282	5.8	3.6	193	1.73	1.0	0.8	<0.2	0.8	14.4	0.29	0.15	0.50	35	0.13	0.049		



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Page: 5 of 5

Part: 2 of 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		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
2063875	Soil	33.9	13.7	0.36	74.2	0.082	<20	0.94	0.011	0.16	0.3	2.4	0.18	<0.02	13	<0.1	<0.02	4.1
2063876	Soil	29.9	14.8	0.42	98.9	0.080	<20	1.25	0.013	0.11	0.3	2.6	0.18	0.03	17	<0.1	<0.02	5.7
2063877	Soil	36.6	23.6	0.50	113.2	0.101	<20	1.70	0.008	0.14	0.2	3.0	0.16	0.02	16	<0.1	0.02	8.3
2063878	Soil	28.0	21.3	0.45	160.2	0.055	<20	1.73	0.012	0.18	0.2	2.1	0.26	0.04	19	<0.1	0.03	7.6
2063879	Soil	21.6	25.7	0.42	91.2	0.078	<20	1.18	0.009	0.13	0.3	2.7	0.17	<0.02	14	<0.1	<0.02	5.3
2063880	Soil	35.9	18.4	0.52	140.5	0.088	<20	2.01	0.008	0.15	0.6	3.8	0.24	<0.02	13	<0.1	0.02	7.8
2063881	Soil	23.4	9.7	0.37	73.4	0.073	<20	1.22	0.009	0.10	0.3	1.8	0.14	<0.02	13	<0.1	<0.02	6.5
2063882	Soil	31.6	10.1	0.33	61.3	0.059	<20	1.25	0.008	0.09	0.5	1.9	0.15	<0.02	11	<0.1	<0.02	4.8
2063883	Soil	27.9	11.9	0.42	82.9	0.067	<20	1.73	0.007	0.14	0.4	2.4	0.19	<0.02	14	<0.1	<0.02	7.1
2063884	Soil	21.8	11.6	0.29	87.2	0.059	<20	1.17	0.007	0.11	0.3	1.3	0.14	<0.02	23	<0.1	<0.02	8.4



QUALITY CONTROL REPORT

WHI20000333.1

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	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	0.001	
Pulp Duplicates																					
2063829	Soil	10.77	14.60	18.40	82.0	155	7.7	4.4	197	1.79	1.6	21.2	<0.2	1.9	33.3	0.28	0.14	0.44	38	0.21	0.056
REP 2063829	QC	11.07	15.78	18.25	80.2	193	8.0	4.6	203	1.83	1.6	22.2	0.6	1.9	33.6	0.29	0.14	0.47	39	0.21	0.057
2063922	Soil	11.18	20.87	318.64	583.1	3236	12.2	5.8	406	2.24	4.9	4.9	0.3	10.9	28.1	0.61	1.19	0.54	43	0.29	0.030
REP 2063922	QC	11.41	22.01	333.24	602.0	3382	12.1	5.7	417	2.29	5.2	5.2	<0.2	11.7	28.3	0.67	1.31	0.56	43	0.29	0.030
2063863	Soil	5.08	21.96	231.35	379.9	2120	6.6	4.2	429	1.73	1.2	3.2	0.2	4.0	30.6	0.75	0.56	0.40	32	0.36	0.042
REP 2063863	QC	4.87	21.01	220.68	366.9	1982	6.0	4.1	416	1.67	1.3	3.0	<0.2	3.6	29.4	0.73	0.57	0.39	31	0.35	0.042
Reference Materials																					
STD BVGEO01	Standard	10.62	4293.44	194.60	1689.9	2594	161.1	25.1	704	3.64	118.6	4.0	224.6	16.0	54.4	6.56	3.26	24.27	72	1.27	0.068
STD DS11	Standard	15.81	147.10	134.63	332.2	1727	79.7	14.0	1047	3.10	41.0	2.5	53.1	7.5	67.2	2.28	6.97	11.19	49	1.07	0.070
STD DS11	Standard	14.87	144.28	145.29	337.8	1910	81.6	13.7	1024	3.10	43.8	2.8	88.9	8.8	69.5	2.24	7.58	11.89	50	1.05	0.071
STD OREAS262	Standard	0.71	115.45	54.36	149.5	459	64.9	28.1	562	3.29	34.7	1.2	64.9	9.0	35.1	0.62	2.59	0.94	23	3.08	0.039
STD OREAS262	Standard	0.68	111.90	60.89	151.3	497	66.4	28.5	544	3.30	37.6	1.3	82.7	10.4	37.7	0.70	3.73	1.06	22	2.94	0.041
STD OREAS262	Standard	0.66	111.55	59.83	151.9	462	66.5	28.4	534	3.24	37.8	1.3	74.5	10.1	37.6	0.63	4.25	0.97	21	2.86	0.039
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	0.0701
STD BVGEO01 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	0.0727
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	0.04
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<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	<0.001
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	<0.001
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	<0.001



QUALITY CONTROL REPORT

WHI20000333.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		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
Pulp Duplicates																		
2063829	Soil	27.0	14.6	0.37	122.4	0.070	<20	1.46	0.008	0.12	0.2	2.1	0.17	0.03	6	<0.1	<0.02	8.7
REP 2063829	QC	28.2	14.5	0.38	124.2	0.068	<20	1.50	0.010	0.13	0.2	2.0	0.16	0.03	13	<0.1	<0.02	8.3
2063922	Soil	31.7	17.0	0.43	100.6	0.102	<20	1.52	0.008	0.17	0.7	3.6	0.22	<0.02	23	<0.1	<0.02	7.7
REP 2063922	QC	30.1	16.9	0.44	100.7	0.102	<20	1.55	0.008	0.18	0.8	3.6	0.23	<0.02	24	<0.1	<0.02	7.7
2063863	Soil	25.1	9.4	0.33	90.0	0.055	<20	1.39	0.008	0.15	0.4	2.1	0.19	<0.02	14	<0.1	<0.02	6.7
REP 2063863	QC	24.3	8.2	0.32	87.1	0.052	<20	1.35	0.007	0.15	0.4	2.1	0.18	<0.02	11	<0.1	<0.02	6.4
Reference Materials																		
STD BVGEO01	Standard	29.4	172.2	1.28	349.8	0.239	<20	2.21	0.180	0.87	4.0	6.2	0.66	0.67	95	4.9	1.00	6.9
STD DS11	Standard	17.8	58.6	0.85	404.5	0.093	<20	1.16	0.073	0.41	2.5	3.2	4.88	0.28	320	2.1	4.66	4.8
STD DS11	Standard	19.4	60.0	0.84	437.7	0.094	<20	1.15	0.073	0.40	2.4	3.2	4.99	0.29	255	2.0	4.89	4.9
STD OREAS262	Standard	17.2	43.6	1.20	240.2	0.003	<20	1.26	0.068	0.33	<0.1	3.2	0.46	0.27	149	0.4	0.23	3.7
STD OREAS262	Standard	17.6	44.0	1.21	256.3	0.003	<20	1.31	0.068	0.32	0.1	3.5	0.51	0.27	170	0.2	0.27	4.0
STD OREAS262	Standard	17.9	42.6	1.17	245.7	0.003	<20	1.26	0.067	0.31	0.1	3.5	0.53	0.27	150	0.4	0.24	4.0
STD DS11 Expected		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 BVGEO01 Expected		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 OREAS262 Expected		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
BLK	Blank	<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	<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	<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