



BUREAU MINERAL LABORATORIES
VERITAS Canada

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

Client: **Fireweed Zinc Ltd.**
Suite 1020, 800 Pender Street
Vancouver British Columbia V5C 2V6 Canada

Submitted By: Confirmation & Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: August 13, 2018
Report Date: September 08, 2018
Page: 1 of 11

CERTIFICATE OF ANALYSIS

WHI18000613.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ18-BV-013
P.O. Number
Number of Samples: 280

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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: Fireweed Zinc Ltd.
Suite 1020, 800 Pender Street
Vancouver British Columbia V5C 2V6
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS230	280	Dry at 60C sieve 100g to -230 mesh			WHI
SLBHP	6	Sort, label and box pulps			WHI
AQ250	280	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SHP01	280	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


KERRY JAY
Geochem Project Specialist

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 11

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	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
3198891	Soil	35.34	10.05	79.41	31.7	1187	4.2	0.5	15	1.40	59.3	1.7	2.5	0.2	76.8	0.07	9.88	0.44	64	<0.01	0.077
3198892	Soil	22.12	8.54	51.90	21.1	743	2.3	0.3	8	0.88	36.5	1.3	1.4	<0.1	35.6	0.04	6.62	0.17	40	<0.01	0.049
3198893	Soil	24.87	11.06	71.02	23.5	1007	3.5	0.5	12	0.99	39.0	1.8	5.2	<0.1	44.0	0.07	6.53	0.26	51	0.01	0.053
3198894	Soil	18.19	25.29	45.23	64.5	756	10.2	1.4	33	3.50	63.3	1.3	1.2	1.6	41.1	0.12	6.71	0.34	73	<0.01	0.128
3198895	Soil	17.15	24.34	39.48	73.8	639	13.4	1.9	38	3.00	55.7	1.1	1.1	1.3	29.6	0.13	4.93	0.38	75	0.01	0.112
3198896	Soil	12.71	58.59	35.59	146.8	646	31.1	4.0	79	2.73	41.2	2.9	2.4	0.6	26.7	0.40	3.65	0.27	59	0.03	0.099
3198897	Soil	33.54	26.34	73.28	41.4	2640	7.3	0.6	15	2.39	39.3	4.1	0.6	0.4	38.0	0.18	13.83	0.33	159	0.01	0.128
3198898	Soil	44.47	8.21	140.35	6.1	4102	1.3	0.5	22	0.95	21.9	1.3	2.4	0.3	15.7	0.06	14.45	0.43	94	0.03	0.047
3198899	Soil	53.25	4.78	67.00	7.5	2780	1.2	0.2	5	0.92	43.4	1.2	2.5	0.7	14.1	0.07	18.89	0.63	132	<0.01	0.041
3198900	Rock Pulp	12.00	158.03	247.46	201.4	106	76.5	46.5	258	1.50	9.6	0.4	32.4	2.9	33.6	0.54	0.17	0.17	22	0.50	0.052
3198901	Soil	20.12	7.45	33.12	10.7	2710	2.2	0.5	9	0.51	16.3	1.1	1.7	0.1	8.0	0.04	3.16	0.26	73	<0.01	0.028
3198902	Soil	15.40	17.98	30.01	18.4	579	3.6	0.9	31	0.79	13.8	1.7	0.5	0.1	12.2	0.07	3.67	0.45	73	<0.01	0.046
3198903	Soil	26.67	14.77	67.91	16.7	1755	3.0	0.5	26	1.28	46.0	3.4	1.9	0.3	35.7	0.09	6.17	0.75	80	0.01	0.071
3198904	Soil	40.73	10.17	45.04	32.7	967	4.7	0.9	19	1.12	32.8	1.4	0.9	0.6	37.6	0.11	7.95	0.40	104	<0.01	0.047
3198905	Soil	16.88	9.88	29.78	16.7	2449	2.6	0.3	6	0.51	17.6	1.3	<0.2	0.2	21.4	0.06	3.28	0.26	58	<0.01	0.040
3198906	Soil	25.22	11.96	72.36	17.8	2885	2.6	0.3	8	0.79	34.6	3.3	9.6	0.2	43.1	0.08	4.67	1.05	70	0.01	0.072
3198907	Soil	16.20	8.51	34.66	15.8	1160	2.5	0.3	7	0.67	16.5	1.4	<0.2	0.2	21.6	0.06	4.11	0.23	61	<0.01	0.043
3198908	Soil	40.21	19.24	78.73	22.8	1529	3.3	0.3	8	1.90	68.5	4.5	3.5	0.4	60.3	0.15	10.04	0.84	164	<0.01	0.107
3198909	Soil	59.35	12.89	49.00	12.5	1583	2.4	0.2	11	14.43	285.8	2.8	3.2	3.3	62.6	0.15	13.28	0.36	1113	<0.01	0.610
3198910	Soil	48.29	13.22	134.10	44.3	1961	6.3	1.0	30	2.49	69.4	2.0	12.9	0.5	137.1	0.11	12.31	0.61	130	0.03	0.133
3198911	Soil	7.27	6.33	53.59	15.1	1118	2.4	0.4	18	1.04	14.1	0.8	3.8	0.3	63.9	0.08	4.57	0.33	28	0.01	0.052
3198912	Soil	42.18	16.09	167.46	41.4	3545	8.4	1.6	109	4.32	127.2	3.1	5.5	1.8	119.2	0.18	16.74	0.70	126	0.02	0.242
3198913	Soil	13.12	9.93	59.20	29.2	1158	4.1	0.6	16	1.17	25.1	0.9	3.3	0.3	61.9	0.08	6.28	0.29	40	0.01	0.066
3198914	Soil	35.03	40.92	46.86	74.1	1699	16.3	3.5	199	3.76	67.2	4.3	2.5	1.0	65.5	0.40	11.07	0.32	83	0.04	0.194
3198915	Soil	42.75	16.70	56.24	47.9	899	9.9	1.1	20	2.24	51.8	1.8	1.0	<0.1	83.2	0.23	10.35	0.31	73	0.02	0.130
3198916	Soil	45.75	22.80	66.82	88.5	692	10.6	1.4	27	1.97	50.4	1.6	1.6	0.1	99.8	0.31	6.86	0.32	75	0.01	0.102
3198917	Soil	32.60	13.76	72.75	84.1	1942	8.6	1.2	24	1.89	41.9	0.7	1.0	0.2	30.5	0.10	7.44	0.34	56	<0.01	0.066
3198918	Soil	22.51	29.14	59.94	34.2	1564	6.2	0.9	26	3.05	44.6	1.6	4.4	0.6	33.4	0.11	9.23	0.35	60	0.01	0.072
3198919	Soil	27.03	15.49	18.09	44.6	581	6.2	0.9	17	1.62	51.2	0.6	0.8	0.4	13.4	0.10	8.64	0.17	80	<0.01	0.034
3198920	Soil	33.98	20.21	26.86	59.9	913	9.2	1.3	25	2.25	71.3	0.8	1.2	0.5	17.2	0.13	10.32	0.25	112	<0.01	0.050



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Page: 2 of 11

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		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
3198891	Soil	14.0	7.9	0.02	1916.9	0.005	<20	0.29	0.003	0.12	0.3	0.6	1.07	0.22	129	9.5	0.19	2.6
3198892	Soil	11.0	4.6	<0.01	879.0	0.003	<20	0.15	0.003	0.07	0.2	0.3	0.60	0.12	40	4.5	0.15	1.2
3198893	Soil	15.7	6.8	0.01	1095.3	0.005	<20	0.29	0.003	0.06	0.2	0.5	0.65	0.09	142	4.5	0.14	2.3
3198894	Soil	10.6	10.8	0.04	780.6	0.017	<20	0.44	0.006	0.10	0.3	1.0	0.70	0.20	86	6.1	0.15	4.2
3198895	Soil	15.0	10.9	0.03	430.0	0.018	<20	0.44	0.004	0.07	0.3	0.8	0.57	0.09	59	3.2	0.10	4.4
3198896	Soil	16.9	15.6	0.13	696.7	0.011	<20	1.02	0.005	0.07	0.2	1.2	0.36	0.06	111	3.7	0.08	3.5
3198897	Soil	9.6	26.5	0.05	1681.6	0.006	<20	0.61	0.011	0.20	0.2	1.1	1.21	0.35	457	22.7	0.23	3.9
3198898	Soil	7.3	7.0	0.02	2338.5	0.011	<20	0.39	0.014	0.11	0.6	0.5	1.34	0.22	282	11.6	0.19	2.1
3198899	Soil	13.5	5.6	<0.01	544.3	0.008	<20	0.26	0.002	0.05	0.3	0.6	0.41	0.05	91	9.3	0.24	2.2
3198900	Rock Pulp	25.5	29.6	0.46	58.1	0.065	<20	0.74	0.077	0.11	<0.1	2.7	0.08	0.04	10	<0.1	<0.02	2.6
3198901	Soil	10.8	7.4	0.01	361.2	0.007	<20	0.32	0.002	0.05	0.4	0.5	0.36	<0.02	81	1.6	0.07	1.8
3198902	Soil	9.5	9.2	0.02	337.7	0.008	<20	0.45	0.013	0.05	0.3	0.5	0.27	0.05	38	2.6	0.10	2.5
3198903	Soil	18.0	14.6	0.08	637.1	0.006	<20	0.61	0.005	0.11	0.2	0.7	0.98	0.17	140	7.8	0.18	3.8
3198904	Soil	15.3	7.5	0.01	628.3	0.010	<20	0.25	0.004	0.09	0.4	0.6	0.77	0.13	60	5.5	0.17	2.6
3198905	Soil	15.5	5.3	<0.01	675.7	0.005	<20	0.33	0.003	0.05	0.2	0.4	0.29	0.04	52	2.7	0.12	2.8
3198906	Soil	13.2	12.1	0.04	1569.6	0.004	<20	0.55	0.005	0.08	0.3	0.6	0.98	0.12	210	5.2	0.16	4.3
3198907	Soil	10.7	6.8	<0.01	599.9	0.006	<20	0.27	0.006	0.07	0.2	0.6	0.46	0.09	33	4.3	0.09	2.0
3198908	Soil	11.5	21.8	0.04	1565.8	0.004	<20	0.53	0.003	0.17	0.3	0.8	1.31	0.31	185	15.8	0.21	4.5
3198909	Soil	5.6	32.0	0.02	163.8	0.012	<20	0.40	0.010	0.91	0.2	1.8	4.38	1.71	286	17.7	0.19	3.0
3198910	Soil	13.5	12.2	0.02	1550.8	0.009	<20	0.51	0.009	0.21	0.6	0.6	1.57	0.42	206	11.8	0.27	3.4
3198911	Soil	17.6	7.2	<0.01	1281.2	0.006	<20	0.29	0.011	0.14	0.2	0.4	1.66	0.27	95	4.8	0.11	1.5
3198912	Soil	17.2	23.8	0.07	409.3	0.018	<20	0.56	0.007	0.35	0.7	1.1	6.35	0.74	546	20.9	0.28	3.5
3198913	Soil	15.6	5.9	0.01	750.8	0.008	<20	0.21	0.009	0.10	0.2	0.4	1.02	0.18	95	4.3	0.23	1.5
3198914	Soil	9.6	23.5	0.12	1536.0	0.014	<20	1.43	0.008	0.12	0.4	1.3	1.82	0.27	667	9.0	0.22	3.4
3198915	Soil	7.2	11.6	0.04	1777.3	0.005	<20	0.38	0.015	0.15	0.4	0.4	1.90	0.33	314	8.6	0.26	2.3
3198916	Soil	11.1	9.7	0.02	1425.8	0.005	<20	0.35	0.012	0.15	0.4	0.4	1.29	0.27	92	5.0	0.22	2.8
3198917	Soil	7.1	5.7	0.02	343.7	0.008	<20	0.30	0.011	0.08	0.3	0.4	0.88	0.11	242	4.2	0.17	2.3
3198918	Soil	7.7	8.7	0.01	624.0	0.010	<20	0.30	0.008	0.07	0.2	0.6	0.96	0.12	412	8.3	0.15	2.4
3198919	Soil	11.1	5.4	<0.01	167.0	0.008	<20	0.18	0.002	0.03	0.2	0.4	0.31	0.04	45	2.8	0.13	1.3
3198920	Soil	14.3	7.8	<0.01	201.2	0.011	<20	0.24	0.003	0.04	0.2	0.5	0.41	0.05	50	3.4	0.21	2.0



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Page:

3 of 11

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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
					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
3198921	Soil																							
3198922	Soil																							
3198923	Soil																							
3198924	Soil																							
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3198939	Soil																							
3198940	Rock Pulp																							
3198941	Soil																							
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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		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
3198921	Soil	11.5	4.5	<0.01	132.0	0.005	<20	0.15	0.002	0.03	0.1	0.6	0.29	0.03	43	3.4	0.17	1.8
3198922	Soil	15.2	21.8	0.05	352.9	0.032	<20	0.91	0.005	0.06	0.5	1.5	0.46	0.08	533	6.2	0.20	7.2
3198923	Soil	11.1	15.4	0.05	877.0	0.023	<20	0.43	0.016	0.16	0.3	1.2	0.66	0.31	130	11.7	0.16	4.1
3198924	Soil	21.1	8.3	<0.01	217.3	0.008	<20	0.27	0.005	0.05	0.2	0.5	0.20	0.05	49	2.7	0.10	2.2
3198925	Soil	14.1	7.0	0.01	212.0	0.008	<20	0.35	0.006	0.05	0.2	0.5	0.23	0.05	37	2.7	0.09	2.5
3198926	Soil	13.1	13.3	0.07	636.3	0.007	<20	0.51	0.010	0.12	0.2	0.9	0.73	0.17	121	6.0	0.16	3.4
3198927	Soil	13.1	21.5	0.08	509.8	0.014	<20	0.73	0.003	0.08	1.0	1.3	0.88	0.10	190	5.1	0.16	4.7
3198928	Soil	26.5	25.6	0.10	1022.2	0.013	<20	0.84	0.007	0.19	0.4	3.1	1.64	0.32	128	7.8	0.22	3.7
3198929	Soil	17.6	19.7	0.06	1258.7	0.008	<20	0.43	0.003	0.18	0.5	1.4	1.35	0.31	262	13.8	0.27	3.0
3198930	Soil	10.3	21.0	0.03	1518.0	0.012	<20	0.60	0.019	0.21	0.6	0.7	1.73	0.43	539	21.4	0.38	3.1
3198931	Soil	16.7	21.4	0.04	926.5	0.010	<20	0.33	0.005	0.21	0.9	0.6	2.27	0.30	167	17.5	0.37	4.3
3198932	Soil	11.3	17.1	0.05	1111.8	0.012	<20	0.32	0.008	0.25	0.8	1.0	3.83	0.40	318	14.0	0.42	3.3
3198933	Soil	9.7	102.3	0.11	1918.0	0.013	<20	2.01	0.006	0.25	1.0	3.8	2.50	0.45	457	16.9	0.64	8.3
3198934	Soil	15.9	15.4	0.03	2381.5	0.008	<20	0.55	0.003	0.21	0.4	1.8	1.51	0.25	631	21.9	0.37	2.4
3198935	Soil	11.4	14.9	0.03	2374.5	0.006	<20	0.47	0.006	0.17	0.4	0.9	1.32	0.32	464	16.3	0.25	2.8
3198936	Soil	18.1	14.9	0.01	649.5	0.004	<20	0.54	0.006	0.07	0.3	0.2	0.30	0.04	40	3.8	0.15	2.4
3198937	Soil	14.0	4.8	<0.01	567.5	0.006	<20	0.18	0.003	0.07	0.3	0.3	0.46	0.10	21	3.0	0.10	1.7
3198938	Soil	12.8	14.6	0.03	2403.2	0.006	<20	0.49	0.013	0.19	0.4	0.7	1.40	0.32	241	8.4	0.21	3.2
3198939	Soil	7.9	14.7	0.04	1899.6	0.005	<20	0.34	0.005	0.17	0.3	1.0	1.50	0.37	324	6.7	0.16	1.6
3198940	Rock Pulp	18.0	28.4	0.45	58.7	0.075	<20	0.76	0.078	0.11	<0.1	2.7	0.06	<0.02	18	<0.1	0.02	2.6
3198941	Soil	12.2	16.3	0.03	1853.4	0.011	<20	0.40	0.005	0.11	0.4	0.6	0.76	0.19	120	4.8	0.14	3.6
3198942	Soil	6.5	9.2	0.02	2042.9	0.003	<20	0.28	0.004	0.10	0.2	0.3	0.63	0.21	193	4.6	0.12	1.2
3198943	Soil	10.9	9.1	0.03	2245.7	0.006	<20	0.37	0.010	0.15	0.4	0.6	1.02	0.32	201	6.5	0.19	1.7
3198944	Soil	7.6	6.4	0.02	1977.9	0.009	<20	0.29	0.010	0.08	0.3	0.5	0.61	0.19	109	3.2	0.10	1.4
3198945	Soil	6.6	16.5	0.01	2429.4	0.013	<20	0.44	0.005	0.09	0.3	0.6	0.72	0.26	315	11.5	0.13	2.2
3198946	Soil	7.4	10.7	<0.01	90.4	0.017	<20	0.26	<0.001	0.02	0.1	0.3	0.17	0.06	127	6.8	0.14	4.1
3198947	Soil	15.3	3.9	<0.01	86.6	0.010	<20	0.24	0.013	0.02	0.1	0.3	0.11	<0.02	38	0.8	0.06	1.4
3198948	Soil	12.3	19.3	0.19	335.0	0.030	<20	0.98	0.006	0.07	0.2	1.4	0.40	0.10	342	4.3	0.12	3.8
3198949	Soil	18.4	14.2	0.06	317.3	0.012	<20	0.77	0.005	0.07	0.3	1.1	0.31	0.05	91	2.3	0.10	3.8
3198950	Soil	13.8	7.1	0.02	397.1	0.007	<20	0.25	0.003	0.07	0.2	0.5	0.42	0.09	49	3.0	0.09	2.1



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Report Date:

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Page:

4 of 11

Part:

1 of 2

CERTIFICATE OF ANALYSIS

WHI18000613.1

	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
3199941	Soil	43.50	20.68	135.12	44.5	2487	6.5	0.7	26	5.24	120.2	4.5	3.3	3.7	70.9	0.16	15.78	0.42	324	0.01	0.254
3199942	Soil	60.49	30.50	143.40	27.7	2123	4.9	0.7	51	2.27	179.8	12.8	3.4	1.5	59.5	0.24	13.87	3.68	185	0.01	0.177
3199943	Soil	49.52	18.29	116.61	59.6	941	8.7	1.2	51	2.86	167.7	3.7	3.8	2.0	66.1	0.25	11.61	0.55	171	0.02	0.112
3199944	Soil	74.51	35.28	38.20	78.4	1753	10.0	1.1	26	3.04	64.7	4.4	3.1	1.0	28.9	0.36	13.20	0.49	84	0.02	0.123
3199945	Soil	7.31	178.90	36.90	605.8	904	124.4	32.1	4658	6.16	32.3	1.5	2.4	2.6	525.8	6.99	7.82	0.32	37	5.13	0.053
3199946	Soil	191.05	54.33	53.28	130.8	1295	37.8	5.1	150	7.55	129.0	8.1	1.2	3.3	65.9	1.03	27.54	0.43	110	0.17	0.169
3199947	Soil	160.02	36.53	80.30	72.6	1454	8.9	1.2	148	4.41	86.4	4.1	2.0	3.3	69.3	0.46	25.96	0.60	88	0.02	0.133
3199948	Soil	30.86	15.27	118.36	35.0	1390	6.2	0.6	19	1.56	47.6	3.9	6.4	1.4	111.0	0.21	9.21	0.62	82	0.27	0.111
3199949	Soil	25.71	11.96	85.91	25.1	1092	4.6	0.6	19	1.40	36.0	1.8	3.8	0.2	73.7	0.73	6.49	0.34	61	0.03	0.079
3199950	Soil	48.07	16.07	106.93	45.6	1183	5.1	0.8	21	2.55	57.9	2.2	3.5	1.8	74.2	0.16	16.24	0.35	88	<0.01	0.074
3199951	Soil	38.08	11.00	124.70	34.5	700	3.4	0.5	11	1.57	75.4	1.4	2.9	0.9	41.6	0.08	12.18	0.26	73	<0.01	0.066
3199952	Soil	35.84	15.36	256.85	45.1	1173	4.3	0.5	15	2.77	89.5	2.1	5.3	3.0	57.5	0.10	14.35	0.32	105	<0.01	0.085
3199953	Soil	32.58	12.14	223.64	39.9	960	2.6	0.4	12	1.67	84.0	2.0	4.1	1.7	44.6	0.13	12.38	0.23	71	<0.01	0.062
3199954	Soil	12.02	11.26	114.21	13.6	2919	1.5	0.3	7	1.00	30.9	2.0	3.7	<0.1	22.2	0.05	3.63	0.17	48	0.01	0.068
3199955	Soil	43.82	27.39	61.02	83.1	836	10.8	1.4	25	5.58	115.8	0.8	2.0	2.9	17.4	0.09	14.36	0.53	188	<0.01	0.147
3199956	Soil	23.50	18.08	144.03	64.5	753	7.2	1.0	27	3.02	49.3	0.9	3.9	3.4	30.7	0.12	8.45	0.40	58	<0.01	0.065
3199957	Soil	33.88	23.24	104.44	65.1	874	9.7	1.5	31	3.30	82.7	1.7	1.3	2.9	30.9	0.10	7.99	0.41	169	<0.01	0.122
3199958	Soil	21.52	14.25	47.71	21.9	1706	3.3	0.6	16	1.68	48.1	3.1	1.6	0.4	31.5	0.11	7.91	0.30	125	<0.01	0.089
3199959	Soil	45.41	19.35	125.54	35.8	2323	4.5	0.5	20	4.07	110.7	3.3	2.2	2.0	57.0	0.17	13.71	0.55	288	0.01	0.184
3199960	Soil	23.99	11.34	64.43	25.2	1336	2.7	0.3	8	1.57	50.5	1.6	1.5	0.2	31.4	0.07	6.31	0.34	138	0.01	0.087
3199961	Soil	13.64	28.70	40.55	80.7	996	16.1	2.5	57	2.45	39.0	2.2	2.4	5.2	28.9	0.14	4.55	0.30	72	0.04	0.123
3199962	Soil	37.24	21.00	78.46	34.9	1480	5.3	0.6	20	2.69	87.4	5.3	0.6	2.4	47.8	0.15	13.62	0.49	189	<0.01	0.128
3199963	Soil	37.67	22.09	83.57	36.6	1703	5.9	0.6	17	2.63	81.8	5.1	1.2	3.5	49.8	0.17	13.73	0.46	181	<0.01	0.148
3199964	Soil	38.38	19.86	85.22	32.3	2020	5.1	0.5	16	2.88	84.8	5.2	0.8	4.6	51.6	0.20	12.53	0.49	194	<0.01	0.140
3199965	Soil	102.16	52.16	147.46	74.4	1393	35.9	3.7	551	5.71	87.7	6.7	3.0	2.1	72.7	0.48	18.32	0.44	253	0.09	0.139
3199966	Soil	32.50	22.60	119.54	64.1	2230	15.3	2.9	109	3.46	76.9	4.5	3.3	0.2	55.8	0.23	8.04	0.52	141	0.09	0.191
3199967	Soil	26.63	13.86	227.10	32.6	1736	6.0	1.1	25	1.80	65.8	1.1	3.7	0.3	17.4	0.10	20.51	0.41	117	<0.01	0.052
3199968	Soil	70.30	31.10	320.07	170.5	5248	14.2	2.2	85	5.75	80.5	1.7	7.4	2.4	112.9	0.35	48.23	0.69	198	0.01	0.114
3199969	Soil	127.81	42.02	56.49	88.1	1543	18.6	1.0	32	4.99	290.4	11.6	1.4	3.6	222.0	1.02	28.26	0.32	379	0.05	0.573
3199970	Soil	37.19	20.27	63.67	44.4	1985	16.6	1.2	23	2.14	42.5	2.3	1.6	<0.1	33.9	0.38	8.44	0.30	96	0.02	0.107



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Page: 4 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000613.1

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		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
3199941	Soil	12.9	23.1	0.04	1693.4	0.008	<20	0.51	0.004	0.31	0.3	1.4	1.88	0.57	500	15.9	0.22	2.7
3199942	Soil	12.5	35.8	0.08	1008.7	0.007	<20	0.80	0.004	0.20	0.6	1.9	1.90	0.35	779	27.2	0.43	4.6
3199943	Soil	15.9	21.5	0.06	2198.1	0.011	<20	0.98	0.004	0.19	0.5	1.2	1.58	0.30	586	10.6	0.26	4.0
3199944	Soil	10.3	13.6	0.03	2163.9	0.008	<20	0.64	0.003	0.13	0.5	0.6	1.08	0.30	411	10.1	0.28	2.7
3199945	Soil	6.9	11.6	3.12	2426.1	0.001	<20	1.00	0.004	0.03	0.2	5.8	2.06	0.03	1260	2.3	0.19	1.5
3199946	Soil	3.9	10.0	0.05	142.0	0.005	<20	0.70	0.040	0.51	1.1	1.2	4.46	1.50	405	21.1	0.68	1.9
3199947	Soil	7.0	9.8	0.03	229.0	0.006	<20	0.59	0.014	0.35	0.8	0.7	3.78	0.74	398	19.5	0.40	2.3
3199948	Soil	9.6	16.4	0.04	1915.7	0.011	<20	0.35	0.005	0.07	0.3	0.7	2.72	0.12	683	6.2	0.20	3.2
3199949	Soil	6.9	9.6	0.02	955.4	0.007	<20	0.36	0.014	0.11	0.2	0.3	1.53	0.18	295	4.9	0.13	2.2
3199950	Soil	11.7	10.6	0.02	1065.4	0.009	<20	0.26	0.003	0.24	0.2	0.7	2.08	0.50	485	10.5	0.27	2.5
3199951	Soil	14.8	7.2	0.01	2061.9	0.005	<20	0.21	0.002	0.09	0.3	0.5	0.73	0.16	162	7.1	0.20	1.7
3199952	Soil	11.5	12.2	0.03	2134.3	0.005	<20	0.46	0.004	0.18	0.3	1.0	1.15	0.31	463	9.4	0.22	2.6
3199953	Soil	14.2	8.2	0.01	2355.7	0.005	<20	0.21	0.003	0.11	0.2	1.0	0.97	0.22	215	7.9	0.17	1.8
3199954	Soil	6.0	5.9	0.01	885.2	0.003	<20	0.46	0.019	0.08	0.1	0.3	0.58	0.09	313	2.9	0.09	2.0
3199955	Soil	12.3	11.1	0.01	297.5	0.022	<20	0.32	0.001	0.07	0.3	0.8	0.44	0.06	66	9.9	0.31	5.2
3199956	Soil	10.7	10.5	0.03	367.8	0.005	<20	0.41	0.004	0.09	0.1	0.9	0.73	0.13	918	6.4	0.26	2.6
3199957	Soil	15.4	12.5	0.02	823.9	0.020	<20	0.35	0.005	0.13	0.3	1.0	0.77	0.19	94	6.7	0.19	3.6
3199958	Soil	8.1	12.9	0.04	1353.2	0.012	<20	0.34	0.011	0.12	0.2	1.0	0.75	0.20	210	8.6	0.13	2.7
3199959	Soil	12.4	21.3	0.05	1359.4	0.009	<20	0.60	0.005	0.25	0.4	1.3	1.71	0.44	244	15.6	0.24	4.4
3199960	Soil	9.8	8.9	0.02	817.8	0.005	<20	0.32	0.004	0.13	0.2	0.5	0.80	0.22	60	6.7	0.13	2.8
3199961	Soil	19.9	14.6	0.09	413.5	0.015	<20	0.75	0.002	0.09	0.4	1.6	0.51	0.06	200	3.8	0.11	3.5
3199962	Soil	13.1	19.5	0.07	1464.5	0.009	<20	0.40	0.004	0.18	0.3	1.6	1.30	0.33	340	16.5	0.22	3.0
3199963	Soil	15.4	19.5	0.06	1612.1	0.011	<20	0.43	0.006	0.21	0.3	1.5	1.32	0.36	355	17.0	0.23	3.1
3199964	Soil	13.4	21.0	0.06	1415.1	0.012	<20	0.51	0.006	0.22	0.2	1.7	1.44	0.38	383	17.8	0.27	3.7
3199965	Soil	9.2	31.9	0.11	959.6	0.024	<20	0.77	0.017	0.23	0.9	1.7	2.64	0.42	489	18.5	0.50	4.3
3199966	Soil	15.4	30.5	0.15	1114.1	0.013	<20	0.82	0.006	0.19	0.3	0.7	1.98	0.34	357	11.1	0.22	4.8
3199967	Soil	16.5	12.9	0.02	403.7	0.015	<20	0.30	0.005	0.11	0.4	0.5	0.76	0.21	210	9.7	0.26	2.3
3199968	Soil	10.2	16.8	0.03	68.8	0.016	<20	0.45	0.024	0.49	0.7	1.1	2.91	1.12	646	29.0	0.54	3.8
3199969	Soil	9.8	67.0	0.06	144.9	0.008	<20	0.99	0.008	0.25	0.8	2.2	4.33	0.59	1194	14.4	0.48	5.2
3199970	Soil	8.3	25.2	0.02	1174.6	0.006	<20	0.44	0.005	0.07	0.5	0.5	0.52	0.17	203	5.2	0.18	2.4



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Page:

5 of 11

Part:

1 of 2

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WHI18000613.1

	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
3199971	Soil	72.34	30.99	174.11	73.3	3153	14.5	1.5	57	4.78	91.6	4.4	4.0	1.1	131.2	0.59	17.34	0.65	160	0.04	0.223
3199972	Soil	41.60	29.47	44.13	85.1	1177	19.1	1.7	64	3.40	89.2	3.5	2.4	0.4	115.1	0.67	12.11	0.34	140	0.09	0.190
3199973	Soil	79.32	33.65	66.21	136.5	1995	21.2	1.7	70	5.66	150.0	4.3	3.6	1.6	149.1	0.84	26.76	0.44	243	0.04	0.291
3199974	Soil	35.18	18.23	132.86	52.6	802	10.2	1.1	21	1.97	60.9	1.3	1.5	0.2	53.7	0.27	7.07	0.33	105	0.02	0.093
3199975	Soil	40.12	17.61	115.95	77.2	525	8.0	1.3	29	2.02	59.2	1.5	1.0	0.8	54.0	0.14	5.91	0.32	107	0.02	0.085
3199976	Soil	33.15	13.06	69.19	77.3	680	8.7	1.1	21	1.89	63.9	0.5	1.1	1.6	50.8	0.07	12.96	0.35	70	<0.01	0.051
3199977	Soil	30.32	18.58	138.28	67.2	936	7.7	0.9	24	2.23	61.7	2.7	2.7	0.5	58.1	0.19	6.78	0.27	98	0.01	0.101
3199978	Soil	19.36	16.01	55.97	55.8	650	10.3	1.2	29	2.82	46.7	1.0	2.7	2.7	20.6	0.06	5.29	0.38	64	<0.01	0.081
3199979	Soil	21.50	15.40	39.51	58.5	1584	7.7	1.1	21	1.34	28.2	0.6	1.7	1.2	28.3	0.06	6.61	0.30	55	<0.01	0.047
3199980	Rock Pulp	0.61	22.55	1.94	19.4	35	15.7	5.4	242	1.36	0.7	0.4	12.2	2.8	29.4	<0.01	0.05	<0.02	22	0.60	0.050
3199981	Soil	13.46	17.88	43.02	38.8	636	6.3	0.9	17	1.03	22.0	1.6	1.0	<0.1	23.5	0.08	2.17	0.18	51	0.01	0.076
3199982	Soil	24.77	23.02	115.53	93.1	2551	19.2	2.3	48	5.34	180.6	1.2	5.5	0.8	59.7	0.15	7.70	1.07	87	0.02	0.259
3199983	Soil	43.69	25.21	63.10	70.4	2188	12.7	1.7	34	3.02	61.6	1.3	2.1	1.1	19.5	0.13	9.10	0.54	84	<0.01	0.089
3199984	Soil	139.86	30.19	156.94	203.6	4020	52.7	3.2	52	7.01	107.9	10.1	1.0	11.3	119.0	0.33	26.13	0.62	387	0.02	0.217
3199985	Soil	46.22	18.86	117.57	19.1	1724	5.1	0.5	16	1.82	98.6	11.6	1.4	1.7	26.5	0.19	10.11	0.37	222	0.01	0.117
3199986	Soil	172.22	32.76	57.12	59.4	3964	14.2	1.5	71	6.22	99.1	8.6	3.1	13.2	65.4	0.37	32.68	0.66	435	0.04	0.184
3199987	Soil	22.13	13.18	22.05	119.8	1490	21.0	2.4	167	1.48	32.3	2.6	1.2	0.2	34.3	1.02	4.98	0.18	156	0.26	0.118
3199988	Soil	124.06	42.36	59.74	176.3	4174	53.8	2.4	75	7.19	295.3	21.8	4.7	4.0	183.3	0.52	35.22	0.65	699	0.05	0.686
3199989	Soil	76.49	25.37	69.75	65.5	2668	9.6	1.3	56	3.46	95.6	5.1	5.8	3.5	99.6	0.22	26.04	0.52	265	0.02	0.193
3199990	Soil	79.13	15.39	102.60	38.0	2123	6.1	0.9	40	3.00	97.4	3.9	5.4	3.5	82.1	0.16	22.80	0.57	214	0.01	0.130
3199991	Soil	48.60	17.84	54.47	25.8	1746	6.2	0.6	21	1.96	58.4	4.3	4.5	0.2	149.0	0.11	11.19	0.31	139	0.03	0.161
3199992	Soil	54.12	18.85	81.12	52.0	2127	7.5	0.8	24	2.59	77.1	4.0	3.7	3.7	66.9	0.13	15.73	0.43	186	<0.01	0.122
3199993	Soil	56.05	16.28	85.28	60.1	2282	7.7	0.9	32	2.90	89.0	3.1	2.9	3.9	88.8	0.16	14.87	0.40	161	<0.01	0.124
3199994	Soil	50.80	19.25	67.75	104.2	956	16.8	1.8	43	3.09	195.4	2.0	2.4	0.8	62.9	0.23	9.56	0.45	169	0.01	0.170
3199995	Soil	103.16	41.17	85.42	85.2	1106	10.9	1.1	33	5.43	146.8	3.3	3.6	4.6	81.6	0.32	18.37	0.51	172	0.01	0.250
3199996	Soil	37.06	19.89	30.98	51.0	690	9.4	1.6	35	1.77	69.3	0.8	0.3	0.3	15.9	0.15	5.37	0.28	113	<0.01	0.059
3199997	Soil	36.75	18.64	82.90	53.2	930	9.6	1.3	32	2.94	50.7	1.1	3.4	3.1	32.8	0.10	13.01	0.47	64	<0.01	0.060
3199998	Soil	27.26	20.02	99.25	49.5	1706	9.9	1.3	28	3.74	46.4	0.9	1.7	4.1	33.9	0.07	9.41	0.45	67	<0.01	0.059
3199999	Soil	19.55	9.89	39.01	39.8	471	7.3	0.9	20	1.03	28.1	0.4	1.1	1.4	24.6	0.07	5.13	0.28	49	<0.01	0.031
3200000	Soil	11.36	7.13	22.81	30.4	482	4.4	0.6	13	0.69	17.5	0.3	1.1	0.9	15.5	0.04	2.76	0.16	35	<0.01	0.019



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Project: MacMillan Pass
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Page: 5 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000613.1

	Method Analyte Unit MDL	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	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		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
3199971	Soil	10.1	22.5	0.08	172.7	0.008	<20	0.76	0.012	0.28	1.1	1.0	3.09	0.58	900	15.4	0.45
3199972	Soil	8.5	21.5	0.07	1912.5	0.008	<20	0.90	0.029	0.18	0.4	0.8	2.07	0.43	367	8.3	0.26
3199973	Soil	10.8	35.5	0.09	112.5	0.009	<20	0.77	0.022	0.32	0.9	1.0	4.57	0.77	840	16.5	0.57
3199974	Soil	13.5	11.0	0.02	1476.4	0.008	<20	0.36	0.013	0.13	0.4	0.6	1.05	0.23	58	5.2	0.18
3199975	Soil	19.1	9.5	0.03	1018.4	0.009	<20	0.39	0.008	0.13	0.4	0.7	1.27	0.22	68	4.7	0.21
3199976	Soil	13.8	5.3	<0.01	246.3	0.007	<20	0.16	0.002	0.08	0.1	0.7	0.69	0.13	51	4.4	0.21
3199977	Soil	12.0	12.2	0.03	2134.5	0.007	<20	0.53	0.014	0.12	0.3	0.8	1.05	0.21	241	6.1	0.16
3199978	Soil	10.3	12.2	0.03	339.3	0.012	<20	0.54	0.003	0.08	0.2	1.0	0.53	0.08	137	5.2	0.19
3199979	Soil	13.5	5.9	<0.01	232.5	0.010	<20	0.23	0.006	0.06	0.2	0.6	0.44	0.07	67	2.9	0.14
3199980	Rock Pulp	16.0	25.3	0.43	53.7	0.068	<20	0.70	0.074	0.11	<0.1	2.8	0.06	<0.02	<5	<0.1	<0.02
3199981	Soil	14.6	8.9	0.02	357.5	0.003	<20	0.38	0.012	0.07	0.2	0.3	0.43	0.05	92	2.0	0.08
3199982	Soil	11.2	15.8	0.06	820.3	0.022	<20	0.63	0.035	0.18	3.0	1.0	1.84	0.41	187	6.1	0.25
3199983	Soil	13.3	8.4	0.02	248.3	0.020	<20	0.36	0.006	0.06	0.4	0.8	0.72	0.07	305	5.9	0.27
3199984	Soil	13.5	39.3	0.10	151.8	0.026	<20	0.52	0.006	0.45	1.6	4.3	4.68	0.85	753	47.1	0.62
3199985	Soil	11.4	32.9	0.03	1441.0	0.010	<20	0.38	0.004	0.19	0.8	2.5	1.79	0.29	358	17.1	0.34
3199986	Soil	10.0	39.6	0.04	49.8	0.071	<20	0.37	0.011	0.88	0.9	3.0	8.48	1.85	360	64.1	0.68
3199987	Soil	6.3	19.5	0.13	718.5	0.011	<20	0.36	0.008	0.08	0.4	0.9	0.97	0.17	192	5.6	0.21
3199988	Soil	11.1	114.9	0.08	63.8	0.036	<20	2.01	0.014	0.61	1.2	6.1	6.91	1.26	201	45.2	0.74
3199989	Soil	13.9	28.3	0.14	1430.9	0.026	<20	0.71	0.009	0.35	0.9	1.8	3.45	0.63	596	28.5	0.41
3199990	Soil	14.0	21.3	0.06	1475.2	0.026	<20	0.43	0.004	0.30	0.7	1.2	2.91	0.60	540	23.2	0.41
3199991	Soil	8.1	21.5	0.11	1031.1	0.008	<20	0.60	0.015	0.16	0.5	0.5	1.80	0.30	518	13.2	0.30
3199992	Soil	14.6	20.3	0.06	1790.0	0.008	<20	0.86	0.005	0.20	0.4	1.5	1.45	0.30	647	15.9	0.26
3199993	Soil	13.4	19.1	0.06	1671.9	0.008	<20	0.77	0.008	0.22	0.5	1.1	2.04	0.40	740	14.2	0.34
3199994	Soil	11.8	14.7	0.03	1239.9	0.009	<20	0.47	0.004	0.14	0.4	0.7	1.32	0.24	79	7.9	0.23
3199995	Soil	11.8	31.9	0.02	1785.9	0.007	<20	0.57	0.004	0.20	0.5	1.2	1.92	0.44	1071	16.2	0.33
3199996	Soil	17.5	12.1	0.01	365.0	0.012	<20	0.29	0.006	0.04	0.3	0.4	0.24	0.04	62	2.9	0.15
3199997	Soil	11.5	11.6	0.03	263.1	0.007	<20	0.39	0.002	0.08	0.1	0.8	0.70	0.06	333	6.8	0.32
3199998	Soil	8.7	12.5	0.03	240.2	0.008	<20	0.56	0.002	0.09	0.1	1.0	0.80	0.10	436	7.8	0.22
3199999	Soil	18.3	4.5	<0.01	111.5	0.008	<20	0.16	0.002	0.04	0.1	0.5	0.20	0.03	56	1.6	0.14
3200000	Soil	15.7	3.0	<0.01	74.3	0.006	<20	0.17	0.004	0.03	0.1	0.3	0.14	<0.02	53	0.9	0.06



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Report Date:

September 08, 2018

Page:

6 of 11

Part:

1 of 2

CERTIFICATE OF ANALYSIS

WHI18000613.1

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		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	0.1	0.2	0.5	0.01	0.02	0.02	1	0.01	0.001
3201501	Soil	17.50	22.31	60.19	82.7	1871	15.2	2.3	53	3.27	64.7	1.1	2.1	1.6	27.2	0.09	6.75	0.46	109	0.02	0.158
3201502	Soil	14.46	18.79	23.04	54.5	1555	12.7	2.0	37	1.37	18.5	0.8	<0.2	0.3	12.6	0.10	4.06	0.21	87	0.01	0.045
3201503	Soil	11.31	8.42	58.69	4.1	1213	1.6	0.2	11	0.70	9.6	0.5	4.8	4.7	5.7	0.02	7.70	0.25	21	<0.01	0.020
3201504	Soil	39.44	22.62	20.38	58.4	1415	10.9	1.7	43	1.95	35.7	0.6	<0.2	0.7	13.0	0.13	7.91	0.31	70	0.02	0.059
3201505	Soil	21.78	18.14	21.35	56.2	1069	9.8	1.5	24	1.51	27.8	0.6	<0.2	0.2	14.1	0.09	5.33	0.26	48	0.02	0.056
3201506	Soil	22.35	56.39	93.57	70.3	4383	24.1	4.0	161	6.33	49.2	1.0	1.6	3.5	59.2	0.10	6.46	0.42	55	0.01	0.156
3201507	Soil	15.27	14.48	48.62	44.6	377	6.8	1.2	21	1.19	35.2	0.6	0.8	0.2	17.1	0.10	4.04	0.21	65	<0.01	0.037
3201508	Soil	12.60	18.22	26.15	50.2	1389	10.5	1.5	38	1.57	27.4	0.6	<0.2	1.6	9.4	0.08	3.43	0.21	62	0.01	0.049
3201509	Soil	22.95	5.44	10.53	28.9	362	4.7	0.5	9	0.62	14.7	0.3	0.9	0.4	5.1	0.05	6.93	0.19	41	<0.01	0.018
3201510	Soil	10.10	13.81	11.47	21.1	465	4.5	0.8	16	0.69	14.4	0.5	0.5	0.2	9.7	0.05	1.94	0.13	31	0.02	0.032
3201511	Soil	9.56	7.48	31.58	13.7	1027	3.6	0.6	12	0.83	13.2	0.5	1.1	0.1	17.2	0.07	2.77	0.15	24	0.02	0.040
3201512	Soil	11.30	8.49	10.53	28.3	877	4.6	0.8	17	0.68	21.2	0.4	0.8	0.1	6.3	0.04	2.44	0.10	31	0.02	0.019
3201513	Soil	12.72	21.92	27.65	32.5	7488	8.3	1.0	26	0.87	15.2	0.8	<0.2	0.2	12.7	0.19	1.96	0.16	32	0.03	0.037
3201514	Soil	176.33	33.86	175.62	112.6	1836	21.8	1.8	120	4.77	77.6	2.8	0.8	1.8	77.3	0.37	24.56	0.45	194	0.02	0.169
3201515	Soil	75.47	23.53	122.13	17.4	1522	6.4	0.4	15	2.26	34.9	5.6	1.1	1.7	43.5	0.15	15.26	0.37	65	<0.01	0.077
3201516	Soil	110.78	54.13	131.07	118.8	1840	38.7	2.5	99	3.32	47.0	3.4	1.2	5.3	134.6	1.18	16.90	0.43	117	0.08	0.117
3201517	Soil	31.36	27.76	69.83	40.1	6311	13.1	1.7	26	1.43	30.8	2.1	2.5	0.2	23.2	0.37	7.78	0.43	115	0.03	0.058
3201518	Soil	63.79	24.18	87.51	51.8	2057	9.7	1.4	52	4.08	104.5	2.7	5.3	0.8	73.8	0.16	14.88	0.45	289	0.02	0.235
3201519	Soil	34.11	21.29	36.23	17.4	751	6.6	0.8	31	1.84	34.9	2.6	1.5	<0.1	15.6	0.19	9.54	0.27	83	0.02	0.100
3201520	Soil	108.30	26.75	181.99	28.7	2325	8.8	1.7	84	4.65	239.9	10.0	5.3	1.0	29.9	0.21	40.12	0.49	368	0.07	0.311
3201521	Soil	178.85	25.08	392.91	28.1	3588	9.2	1.7	83	6.72	492.0	12.2	7.0	3.9	37.7	0.26	80.20	0.78	650	0.05	0.536
3201522	Soil	8.59	3.52	13.37	2.7	1091	1.0	0.1	4	0.25	4.5	0.5	0.8	1.3	6.0	0.02	2.07	0.17	16	<0.01	0.015
3201523	Soil	7.98	5.46	18.50	9.5	491	3.3	0.5	10	0.46	4.1	0.5	1.1	<0.1	9.8	0.02	1.58	0.13	20	<0.01	0.027
3201524	Soil	5.33	3.91	48.71	7.6	602	1.6	0.2	5	0.29	4.7	0.2	0.8	0.7	2.2	0.02	2.75	0.12	19	<0.01	0.009
3201525	Soil	18.06	7.75	108.55	8.1	1257	1.4	0.2	7	1.36	11.0	0.7	3.4	0.3	5.5	0.02	6.43	0.21	41	<0.01	0.036
3201526	Soil	21.04	18.51	126.82	11.4	1632	3.6	0.3	10	1.36	28.4	0.7	10.9	0.3	57.9	0.08	5.18	0.48	58	<0.01	0.072
3201527	Soil	10.40	11.25	74.76	41.4	342	10.1	0.8	18	0.78	12.1	0.5	0.8	0.3	10.4	0.05	3.18	0.16	54	<0.01	0.028
3201528	Soil	13.22	19.12	127.79	81.8	535	20.3	1.6	33	1.28	26.5	0.7	0.5	<0.1	10.4	0.06	4.01	0.32	51	<0.01	0.050
3201529	Soil	9.11	14.01	86.43	36.2	571	5.5	0.8	27	1.13	18.5	0.8	1.8	1.0	11.4	0.02	3.82	0.22	44	<0.01	0.029
3201530	Soil	15.70	36.59	99.91	140.7	406	18.1	2.0	36	2.80	35.6	0.7	6.5	0.3	24.8	0.06	4.17	0.49	92	<0.01	0.072



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Page: 6 of 11

Part: 2 of 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		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
3201501	Soil	16.1	14.4	0.05	366.1	0.015	<20	0.50	0.003	0.09	0.4	1.0	0.46	0.07	76	3.5	0.14	4.5
3201502	Soil	22.4	12.0	0.01	191.8	0.011	<20	0.28	0.009	0.04	0.2	0.4	0.17	0.03	48	1.7	0.07	2.2
3201503	Soil	38.1	3.8	<0.01	147.6	0.004	<20	0.18	0.002	0.06	0.2	0.4	0.25	0.05	88	3.7	0.08	1.1
3201504	Soil	13.9	8.6	0.04	111.3	0.015	<20	0.44	0.015	0.03	0.2	0.6	0.26	0.03	133	2.7	0.21	2.4
3201505	Soil	13.3	5.9	<0.01	168.0	0.008	<20	0.32	0.008	0.04	0.2	0.4	0.19	0.04	58	1.8	0.15	1.9
3201506	Soil	11.2	20.9	0.38	313.2	0.010	<20	0.95	0.005	0.08	0.3	1.3	0.71	0.11	538	5.9	0.23	3.5
3201507	Soil	14.1	5.1	<0.01	208.9	0.007	<20	0.28	0.003	0.04	0.2	0.3	0.26	0.04	34	1.4	0.09	2.2
3201508	Soil	22.4	6.8	0.02	126.3	0.026	<20	0.25	0.005	0.05	0.3	0.7	0.13	0.03	51	1.6	0.08	2.6
3201509	Soil	9.9	3.0	<0.01	66.9	0.005	<20	0.13	0.002	0.04	0.1	0.3	0.19	<0.02	40	1.9	0.13	1.2
3201510	Soil	20.2	6.4	<0.01	119.1	0.008	<20	0.28	0.012	0.03	0.1	0.3	0.12	<0.02	33	0.8	0.04	1.4
3201511	Soil	4.3	4.1	0.02	596.4	0.009	<20	0.28	0.020	0.04	<0.1	0.4	0.42	0.06	307	3.1	0.11	1.5
3201512	Soil	13.0	4.2	<0.01	115.4	0.008	<20	0.17	0.014	0.03	0.1	0.3	0.14	<0.02	33	0.7	0.06	1.2
3201513	Soil	10.1	11.4	<0.01	411.7	0.015	<20	0.52	0.020	0.04	0.1	0.5	0.14	0.06	153	1.6	0.03	1.7
3201514	Soil	8.6	19.0	0.10	1263.8	0.006	<20	0.44	0.009	0.26	1.0	0.8	3.29	0.56	369	16.6	0.53	2.5
3201515	Soil	6.1	11.3	0.03	1669.1	0.004	<20	0.30	0.006	0.18	0.6	0.5	1.50	0.45	1046	9.7	0.22	1.3
3201516	Soil	5.1	15.1	0.04	916.9	0.007	<20	0.42	0.015	0.32	0.9	0.8	3.00	0.82	672	12.0	0.35	1.4
3201517	Soil	17.9	17.3	<0.01	1018.2	0.010	<20	0.46	0.003	0.05	0.4	0.6	0.30	0.05	150	3.8	0.16	2.1
3201518	Soil	9.6	27.6	0.09	1297.8	0.013	<20	0.34	0.019	0.23	0.6	0.9	2.41	0.49	522	13.7	0.30	4.9
3201519	Soil	3.7	18.4	0.02	336.2	0.006	<20	0.38	0.021	0.10	0.3	0.2	0.82	0.20	187	6.5	0.17	2.7
3201520	Soil	8.2	54.4	0.08	1001.7	0.020	<20	0.72	0.019	0.36	0.8	2.1	2.29	0.76	656	25.0	0.48	3.9
3201521	Soil	14.1	64.8	0.10	1019.3	0.031	<20	0.68	0.015	0.38	1.1	3.3	2.67	0.78	1349	41.3	0.66	4.5
3201522	Soil	23.2	2.9	<0.01	287.9	0.004	<20	0.16	0.002	0.04	<0.1	0.3	0.19	<0.02	70	0.2	0.06	1.0
3201523	Soil	9.7	4.4	<0.01	205.9	0.005	<20	0.26	0.012	0.03	<0.1	0.2	0.23	<0.02	49	0.5	0.04	1.2
3201524	Soil	20.4	2.0	<0.01	55.7	0.005	<20	0.14	0.003	0.03	<0.1	0.2	1.40	0.03	44	0.3	<0.02	1.4
3201525	Soil	10.8	4.9	<0.01	188.5	0.004	<20	0.18	0.003	0.08	0.1	0.3	1.48	0.16	376	3.4	0.07	1.2
3201526	Soil	5.2	11.2	<0.01	182.2	0.002	<20	0.31	0.004	0.08	0.4	0.4	1.61	0.11	112	2.6	0.24	2.5
3201527	Soil	20.8	4.1	<0.01	125.1	0.003	<20	0.19	0.004	0.07	0.1	0.3	0.84	0.09	9	1.5	0.05	1.6
3201528	Soil	15.8	6.9	0.02	169.8	0.006	<20	0.43	0.005	0.06	0.1	0.4	1.25	0.07	20	2.5	0.11	3.0
3201529	Soil	21.3	6.4	<0.01	109.6	0.007	<20	0.20	0.003	0.04	0.2	0.6	0.57	0.03	20	1.6	0.08	2.6
3201530	Soil	14.3	18.0	0.01	118.3	0.008	<20	0.32	0.006	0.06	0.2	0.6	0.42	0.09	22	4.4	0.21	4.5



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Page:

7 of 11

Part:

1 of 2

CERTIFICATE OF ANALYSIS

WHI18000613.1

	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	0.1	0.2	0.5	0.01	0.02	0.02	1	0.01	0.001
3201531	Soil	21.57	32.77	55.84	263.8	313	60.4	4.4	106	2.61	36.5	1.4	1.5	<0.1	9.1	0.24	4.76	0.32	84	0.02	0.065
3201532	Soil	13.47	46.96	131.83	118.6	1044	27.5	4.2	111	2.59	68.7	5.0	5.5	2.3	24.4	0.20	6.44	0.27	48	<0.01	0.086
3201533	Soil	12.19	29.37	55.45	77.0	252	15.9	2.5	56	2.84	39.0	0.8	1.1	0.1	12.7	0.10	2.12	0.31	60	0.02	0.108
3201534	Soil	8.49	31.23	72.64	81.7	645	9.5	1.5	55	2.03	48.7	1.1	2.5	1.6	18.0	0.16	4.76	0.17	39	<0.01	0.067
3201535	Soil	0.73	8.40	6.84	6.0	521	1.9	0.6	13	0.33	1.6	0.2	0.5	<0.1	5.4	0.02	0.32	0.03	8	0.03	0.026
3201536	Soil	2.26	5.92	17.80	14.8	421	2.1	0.3	11	0.26	4.0	0.4	<0.2	0.1	7.5	0.05	0.50	0.07	12	<0.01	0.022
3201537	Soil	5.11	18.49	47.48	38.1	323	6.7	1.0	29	0.88	26.8	0.5	0.7	<0.1	11.3	0.11	1.29	0.21	36	<0.01	0.041
3201538	Soil	6.25	11.87	19.32	48.2	181	8.2	1.2	23	0.71	10.6	0.4	0.5	0.1	6.0	0.10	1.28	0.09	27	<0.01	0.028
3201539	Soil	1.81	6.32	11.07	22.9	213	2.6	0.4	13	0.37	5.5	0.4	<0.2	0.3	6.3	0.03	0.51	0.07	12	<0.01	0.028
3201540	Rock Pulp	0.67	22.53	2.00	19.3	25	16.4	5.4	244	1.35	0.7	0.4	0.8	2.9	28.8	0.02	0.05	<0.02	21	0.59	0.051
3206001	Soil	7.02	8.39	21.77	25.4	584	4.2	0.9	18	0.65	14.5	0.4	1.3	1.1	7.8	<0.01	1.30	0.11	29	<0.01	0.017
3206002	Soil	37.26	14.05	61.52	35.8	513	5.7	0.7	16	1.46	56.2	2.6	2.1	0.1	57.0	0.14	6.61	0.31	87	0.02	0.091
3206003	Soil	44.15	15.11	64.86	40.5	1501	7.0	0.7	16	1.81	75.9	2.4	1.9	0.4	57.7	0.14	7.82	0.34	103	0.01	0.092
3206004	Soil	41.84	19.42	89.00	65.7	900	9.8	1.3	32	2.08	66.8	2.1	1.7	0.3	58.4	0.13	7.95	0.32	87	0.02	0.094
3206005	Soil	19.10	30.75	53.40	88.8	2442	20.1	4.0	131	5.32	54.5	2.7	3.2	5.3	31.7	0.17	5.73	0.35	63	0.01	0.152
3206006	Soil	21.06	22.93	37.84	65.7	1151	13.7	2.1	35	2.60	45.4	0.8	1.2	0.8	14.9	0.10	4.82	0.27	52	0.02	0.079
3206007	Soil	27.85	36.55	57.14	133.9	998	24.8	3.5	58	4.14	48.9	1.5	2.1	6.2	33.6	0.15	5.37	0.35	56	<0.01	0.078
3206008	Soil	9.63	8.28	19.72	12.9	369	2.7	0.6	19	0.59	9.3	0.7	1.1	0.3	13.0	0.01	1.66	0.16	33	<0.01	0.021
3206009	Soil	14.33	9.06	89.56	6.1	489	3.6	0.4	13	1.00	11.5	0.7	3.5	2.5	7.0	<0.01	4.75	0.28	22	<0.01	0.018
3206010	Soil	13.69	8.03	54.71	3.3	816	2.6	0.2	10	0.45	5.0	1.1	2.5	3.6	4.0	<0.01	3.81	0.22	10	<0.01	0.019
3206011	Soil	14.66	13.28	61.79	17.8	380	5.1	0.8	40	1.25	16.7	0.6	1.4	0.8	10.4	0.03	3.88	0.25	37	<0.01	0.045
3206012	Soil	18.06	4.73	20.39	7.0	414	1.9	0.3	9	0.40	12.9	0.6	0.2	0.6	12.5	<0.01	2.18	0.16	29	<0.01	0.032
3206013	Soil	13.64	7.92	95.59	10.8	1196	2.5	0.4	12	0.71	12.3	0.6	2.5	2.1	15.6	<0.01	2.20	0.27	20	<0.01	0.024
3206014	Soil	12.43	8.85	27.46	3.4	510	0.9	0.1	4	0.47	7.3	1.2	2.0	1.2	17.0	<0.01	3.95	0.27	14	<0.01	0.026
3206015	Soil	11.03	18.53	114.34	21.2	624	4.6	0.7	33	1.31	17.9	1.2	2.6	3.3	11.9	0.05	4.13	0.19	33	<0.01	0.045
3206016	Soil	12.56	3.74	52.71	3.6	336	2.3	0.3	9	0.43	7.4	0.6	2.7	0.4	10.3	<0.01	2.10	0.25	20	<0.01	0.027
3206017	Soil	11.82	9.24	45.61	6.8	450	1.9	0.3	9	0.73	10.0	0.9	4.2	3.9	4.3	<0.01	3.63	0.23	12	<0.01	0.014
3206018	Soil	15.54	23.29	71.98	117.8	277	29.3	3.6	72	2.16	34.2	0.9	0.6	0.1	11.3	0.13	4.93	0.34	59	0.01	0.089
3206019	Soil	10.33	10.66	41.76	46.6	742	9.8	0.8	14	0.61	10.7	0.4	0.6	0.3	7.0	0.03	2.42	0.13	38	<0.01	0.025
3206020	Rock Pulp	11.44	150.58	256.18	195.9	99	74.4	49.3	238	1.48	9.4	0.4	34.1	3.2	31.2	0.53	0.17	0.14	23	0.51	0.050



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Page: 7 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000613.1

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		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
3201531	Soil	12.1	12.2	0.04	82.3	0.008	<20	0.68	0.003	0.04	0.1	0.4	0.73	0.04	22	3.1	0.09	4.0
3201532	Soil	17.7	22.3	0.03	314.2	0.004	<20	0.40	0.002	0.09	0.2	2.7	1.36	0.08	518	4.4	0.12	2.1
3201533	Soil	16.0	14.0	0.04	125.4	0.009	<20	0.51	0.003	0.05	0.2	0.6	0.52	0.04	29	1.6	0.08	4.9
3201534	Soil	25.9	11.2	0.02	170.6	0.004	<20	0.27	0.003	0.06	0.1	0.9	0.72	0.06	61	3.1	0.08	1.7
3201535	Soil	2.4	2.8	0.02	25.4	0.009	<20	0.50	0.028	0.03	<0.1	0.2	0.07	<0.02	38	0.2	<0.02	1.9
3201536	Soil	32.4	3.2	<0.01	61.2	0.005	<20	0.19	0.004	0.03	<0.1	0.2	0.24	<0.02	13	<0.1	<0.02	2.1
3201537	Soil	28.5	6.5	<0.01	123.9	0.005	<20	0.32	0.005	0.04	0.1	0.3	0.23	0.02	11	0.7	0.04	2.6
3201538	Soil	22.8	5.8	<0.01	94.5	0.005	<20	0.14	0.007	0.03	0.1	0.3	0.13	<0.02	15	0.6	0.02	1.4
3201539	Soil	41.8	4.0	<0.01	57.8	0.005	<20	0.16	0.005	0.03	<0.1	0.3	0.10	<0.02	7	<0.1	<0.02	1.8
3201540	Rock Pulp	16.3	25.6	0.43	52.4	0.067	<20	0.68	0.073	0.11	<0.1	2.5	0.06	<0.02	7	<0.1	<0.02	2.5
3206001	Soil	18.3	4.0	0.01	80.5	0.011	<20	0.24	0.003	0.02	0.1	0.5	0.18	<0.02	22	0.6	0.04	2.3
3206002	Soil	13.7	10.7	0.03	2464.3	0.004	<20	0.49	0.004	0.08	0.3	0.5	0.87	0.13	247	7.2	0.14	2.8
3206003	Soil	13.7	12.3	0.04	2627.8	0.005	<20	0.50	0.003	0.11	0.3	0.6	1.09	0.18	339	9.1	0.22	2.9
3206004	Soil	10.8	11.5	0.04	1106.8	0.007	<20	0.41	0.009	0.13	0.3	0.7	1.16	0.21	183	8.6	0.20	2.6
3206005	Soil	13.5	27.3	0.09	625.2	0.014	<20	1.27	0.006	0.12	0.4	2.0	0.88	0.16	715	6.5	0.16	4.4
3206006	Soil	14.9	7.7	0.02	399.1	0.013	<20	0.39	0.009	0.06	0.3	0.6	0.46	0.08	175	4.0	0.14	3.0
3206007	Soil	15.3	15.9	0.08	205.4	0.008	<20	0.94	0.002	0.07	0.3	1.4	0.70	0.06	475	7.5	0.24	3.0
3206008	Soil	22.2	4.6	<0.01	143.7	0.007	<20	0.24	0.002	0.03	0.1	0.4	0.19	<0.02	26	0.9	0.05	2.5
3206009	Soil	10.3	7.3	0.01	199.6	0.006	<20	0.19	0.001	0.08	0.1	0.6	0.37	0.09	333	2.6	0.05	1.6
3206010	Soil	19.9	5.5	<0.01	92.6	0.005	<20	0.12	0.001	0.05	<0.1	0.5	0.18	0.03	285	1.0	0.04	0.7
3206011	Soil	11.4	5.3	<0.01	142.7	0.009	<20	0.16	0.001	0.07	0.1	0.5	0.30	0.07	36	2.4	0.07	2.1
3206012	Soil	33.4	3.8	<0.01	151.1	0.008	<20	0.15	0.003	0.05	0.1	0.4	0.12	<0.02	19	2.1	0.08	1.7
3206013	Soil	19.7	4.8	0.02	98.9	0.007	<20	0.23	0.003	0.05	0.1	0.7	0.25	0.03	116	2.7	0.08	1.9
3206014	Soil	11.5	2.6	<0.01	1624.0	0.006	<20	0.20	0.003	0.05	<0.1	0.5	0.38	0.07	255	2.9	0.10	1.1
3206015	Soil	14.6	7.7	0.02	176.0	0.003	<20	0.22	0.002	0.09	0.1	0.9	1.14	0.11	188	3.4	0.08	1.7
3206016	Soil	15.5	4.6	0.01	313.9	0.006	<20	0.17	0.003	0.09	0.1	0.4	1.08	0.10	46	1.5	0.07	1.8
3206017	Soil	14.9	2.8	<0.01	414.6	0.003	<20	0.13	0.002	0.09	0.1	0.6	1.35	0.14	405	2.8	0.07	1.2
3206018	Soil	12.6	10.6	0.02	88.3	0.010	<20	0.48	0.004	0.06	0.2	0.4	0.76	0.04	29	2.9	0.10	3.6
3206019	Soil	15.2	4.0	<0.01	64.5	0.005	<20	0.18	0.003	0.04	0.2	0.4	0.47	0.02	30	1.2	0.05	1.4
3206020	Rock Pulp	24.9	30.1	0.44	58.8	0.069	<20	0.72	0.079	0.11	<0.1	2.7	0.08	0.04	15	<0.1	<0.02	2.8



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Page:

8 of 11

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
		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
3206021	Soil	6.94	8.27	30.31	46.2	374	10.3	1.2	19	0.66	9.8	0.4	1.7	0.1	7.2	0.05	1.81	0.20	32	<0.01	0.027
3206022	Soil	19.98	33.71	125.76	118.5	959	27.3	2.2	58	2.69	34.9	1.3	1.9	2.9	22.6	0.16	5.58	0.48	65	0.01	0.126
3206023	Soil	14.65	48.78	76.28	91.5	2029	21.2	4.0	124	3.81	42.5	2.5	5.2	1.7	20.2	0.20	4.33	0.41	59	0.02	0.114
3206024	Soil	10.28	11.44	26.82	44.1	218	10.4	1.6	24	0.88	15.1	0.6	<0.2	0.2	8.5	0.05	1.85	0.23	42	<0.01	0.040
3206025	Soil	5.42	8.17	14.77	19.7	468	3.8	0.6	17	0.49	8.7	0.4	0.2	<0.1	6.3	0.06	1.14	0.11	20	<0.01	0.026
3206026	Soil	10.08	33.79	108.78	69.3	1740	12.8	1.8	75	3.59	75.2	1.4	13.0	4.9	30.8	0.21	4.32	0.36	57	0.01	0.129
3206027	Soil	13.87	36.89	136.56	83.1	1645	13.7	1.7	53	3.19	79.4	1.4	6.3	2.7	42.0	0.28	6.24	0.39	66	<0.01	0.154
3206028	Soil	8.78	6.77	38.23	15.2	1829	2.8	0.5	15	0.58	18.9	0.5	0.7	0.6	10.3	0.03	1.74	0.21	22	<0.01	0.037
3206029	Soil	7.48	48.97	29.84	123.0	441	32.3	8.0	197	3.33	70.8	2.2	8.4	10.6	22.7	0.47	3.12	0.37	29	0.09	0.113
3206030	Soil	8.33	47.34	93.56	100.6	970	58.6	6.5	14	0.54	15.5	0.8	3.7	2.3	27.0	1.18	4.30	0.29	15	0.02	0.029
3201541	Soil	3.74	17.96	18.46	67.9	456	6.5	1.2	40	1.02	27.4	0.4	2.7	0.3	8.7	0.19	2.04	0.12	23	<0.01	0.038
3201542	Soil	4.21	13.41	17.93	47.2	360	6.7	1.0	27	0.86	18.0	0.5	<0.2	0.6	9.6	0.11	1.26	0.14	22	<0.01	0.032
3201543	Soil	4.96	18.23	23.68	71.9	336	10.2	1.8	35	1.18	26.9	0.5	<0.2	<0.1	11.7	0.13	1.55	0.17	33	<0.01	0.043
3201544	Soil	30.98	12.87	48.36	4.9	774	1.4	0.2	5	3.28	22.5	1.5	<0.2	5.9	11.3	0.01	14.67	0.59	28	<0.01	0.028
3201545	Soil	17.67	4.24	35.79	5.5	946	1.2	0.2	6	0.84	10.1	1.0	3.1	3.0	7.4	<0.01	7.48	0.37	17	<0.01	0.020
3201546	Soil	29.52	8.94	63.88	12.5	1030	3.2	0.6	28	2.36	21.9	1.4	4.6	3.1	18.5	0.04	7.48	0.61	46	0.01	0.047
3201547	Soil	10.55	8.21	25.81	17.5	275	3.9	0.7	17	0.69	11.8	1.2	0.4	0.7	30.4	0.03	1.59	0.31	39	<0.01	0.047
3201548	Soil	19.88	11.54	59.41	30.6	354	6.6	1.1	34	1.90	30.0	1.1	0.5	1.1	18.5	0.05	3.42	0.60	83	<0.01	0.053
3201549	Soil	6.69	2.69	18.63	3.9	248	1.3	0.2	5	0.27	4.9	0.5	1.8	0.8	5.1	<0.01	1.46	0.20	13	<0.01	0.017
3201550	Soil	7.57	4.66	11.73	17.4	178	3.9	0.5	15	0.32	5.7	0.6	2.0	0.3	12.0	0.03	1.19	0.16	24	<0.01	0.026
3201551	Soil	3.79	4.63	10.56	16.9	219	3.5	0.6	18	0.41	6.1	0.5	1.5	0.3	9.2	0.03	0.60	0.20	27	<0.01	0.020
3201552	Soil	9.42	7.39	25.38	27.7	112	6.2	1.1	24	0.62	8.1	0.4	<0.2	0.8	5.8	0.03	1.62	0.17	38	<0.01	0.023
3201553	Soil	5.51	4.72	7.86	17.0	554	4.1	0.7	13	0.40	4.1	0.4	<0.2	2.2	5.3	0.02	0.80	0.10	24	<0.01	0.019
3201554	Soil	10.22	9.86	31.28	43.2	524	10.2	1.5	25	0.87	17.1	0.5	<0.2	1.2	8.0	0.05	2.29	0.29	44	<0.01	0.026
3201555	Soil	14.54	6.40	41.82	36.9	403	8.1	0.6	10	0.61	9.8	0.5	<0.2	0.5	7.5	0.03	2.55	0.22	31	<0.01	0.027
3201556	Soil	3.39	3.49	15.25	15.2	583	2.5	0.4	11	0.32	7.9	0.4	<0.2	0.5	8.1	<0.01	0.64	0.19	18	<0.01	0.023
3201557	Soil	10.70	11.95	26.62	40.6	1892	9.4	1.4	29	0.89	20.3	0.7	2.8	0.2	15.1	0.05	1.35	0.26	36	0.01	0.046
3201558	Soil	6.52	17.47	27.17	40.0	553	11.0	2.0	49	1.49	42.7	0.9	2.3	0.3	12.8	0.08	1.86	0.21	26	0.01	0.061
3201559	Soil	6.68	12.79	27.04	29.1	703	7.4	1.3	33	1.26	33.8	0.8	4.1	0.1	12.7	0.07	1.62	0.20	20	0.01	0.064
3201560	Soil	5.78	11.22	24.78	24.5	653	6.6	1.2	30	1.13	29.1	0.8	2.5	<0.1	12.0	0.06	1.51	0.20	18	0.01	0.062



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Project: MacMillan Pass
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Page: 8 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000613.1

	Method	Analyte	Unit	MDL	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
					ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
					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
3206021	Soil	15.8	4.1	<0.01	55.3	0.009	<20	0.19	0.007	0.05	0.1	0.3	0.39	<0.02	7	0.6	0.06	2.4			
3206022	Soil	12.7	13.5	0.02	160.3	0.011	<20	0.47	0.005	0.09	0.2	1.1	1.03	0.08	111	3.3	0.11	4.6			
3206023	Soil	16.6	20.4	0.13	292.2	0.018	<20	1.02	0.005	0.13	0.2	1.7	1.07	0.11	408	4.7	0.12	4.9			
3206024	Soil	15.9	5.1	0.01	177.6	0.010	<20	0.24	0.003	0.06	0.1	0.4	0.24	0.03	13	1.4	0.08	2.5			
3206025	Soil	14.3	4.0	0.01	115.6	0.007	<20	0.18	0.012	0.04	<0.1	0.3	0.18	<0.02	24	0.6	0.04	1.6			
3206026	Soil	24.2	20.1	0.05	308.3	0.008	<20	0.81	0.004	0.10	0.2	1.9	0.69	0.07	152	3.6	0.13	3.8			
3206027	Soil	23.5	15.1	0.03	431.2	0.004	<20	0.46	0.004	0.12	0.2	1.6	0.88	0.15	137	6.0	0.16	2.9			
3206028	Soil	23.3	3.3	<0.01	115.8	0.003	<20	0.21	0.002	0.04	0.1	0.4	0.39	0.02	61	1.1	0.10	1.8			
3206029	Soil	37.7	13.0	0.21	131.7	0.004	<20	0.74	0.003	0.06	0.1	2.4	0.27	0.03	198	2.5	0.07	2.3			
3206030	Soil	23.2	8.6	0.06	252.4	0.002	<20	0.37	0.002	0.05	<0.1	0.8	1.83	0.31	179	5.3	0.12	1.8			
3201541	Soil	24.1	2.9	<0.01	49.9	0.005	<20	0.15	0.016	0.03	<0.1	0.3	0.10	<0.02	9	0.6	0.04	1.2			
3201542	Soil	25.3	3.6	0.01	67.6	0.008	<20	0.23	0.012	0.04	0.1	0.5	0.15	<0.02	25	0.5	0.03	2.0			
3201543	Soil	21.2	5.3	0.01	87.5	0.005	<20	0.29	0.009	0.05	0.1	0.3	0.16	0.02	21	1.0	0.04	2.3			
3201544	Soil	8.9	3.9	<0.01	2130.2	0.016	<20	0.13	0.002	0.15	<0.1	1.1	0.62	0.27	1330	7.4	0.12	1.8			
3201545	Soil	16.8	3.9	0.01	794.0	0.010	<20	0.22	0.002	0.09	<0.1	0.7	0.53	0.09	422	3.0	0.08	1.3			
3201546	Soil	11.3	9.1	0.02	680.1	0.016	<20	0.37	0.004	0.13	<0.1	0.9	0.69	0.14	273	6.5	0.17	3.1			
3201547	Soil	22.0	5.6	0.02	620.6	0.013	<20	0.38	0.005	0.05	0.1	0.7	0.26	<0.02	27	0.9	0.06	3.5			
3201548	Soil	15.0	7.5	0.02	814.2	0.017	<20	0.43	0.003	0.09	0.2	0.8	0.62	0.09	45	2.3	0.11	4.2			
3201549	Soil	19.6	2.8	0.01	329.6	0.006	<20	0.19	0.004	0.06	<0.1	0.5	0.27	<0.02	67	0.8	0.07	1.5			
3201550	Soil	20.1	2.8	0.01	318.8	0.006	<20	0.18	0.003	0.04	<0.1	0.4	0.19	<0.02	12	0.4	0.04	1.6			
3201551	Soil	24.7	4.5	0.01	188.3	0.015	<20	0.28	0.005	0.04	<0.1	0.4	0.24	<0.02	15	0.3	<0.02	2.6			
3201552	Soil	18.8	5.6	<0.01	144.4	0.011	<20	0.20	0.002	0.05	<0.1	0.4	0.31	0.02	7	0.7	0.06	2.0			
3201553	Soil	19.5	3.3	<0.01	136.9	0.010	<20	0.24	0.004	0.04	<0.1	0.4	0.18	<0.02	16	0.5	0.04	1.7			
3201554	Soil	15.0	4.5	0.01	170.6	0.015	<20	0.22	0.002	0.06	0.1	0.6	0.38	0.05	20	1.5	0.05	2.7			
3201555	Soil	11.8	2.8	<0.01	266.0	0.006	<20	0.15	0.002	0.07	0.1	0.4	0.43	0.07	8	2.0	0.08	1.3			
3201556	Soil	16.7	3.1	0.01	189.6	0.005	<20	0.23	0.002	0.04	<0.1	0.5	0.28	<0.02	17	0.4	0.03	2.2			
3201557	Soil	20.6	6.5	0.02	244.0	0.005	<20	0.39	0.003	0.08	0.2	0.5	0.72	0.03	267	1.5	0.10	3.1			
3201558	Soil	14.8	6.3	0.03	256.9	0.005	<20	0.51	0.014	0.08	0.1	0.7	0.34	0.05	114	1.4	0.05	2.2			
3201559	Soil	12.4	4.9	0.03	330.4	0.004	<20	0.41	0.016	0.08	0.1	0.5	0.35	0.06	168	1.4	0.05	2.0			
3201560	Soil	11.7	4.9	0.03	287.4	0.004	<20	0.38	0.018	0.07	0.1	0.5	0.34	0.05	161	1.4	0.05	2.0			



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Report Date:

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Page:

9 of 11

Part:

1 of 2

CERTIFICATE OF ANALYSIS

WHI18000613.1

	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
3201561	Soil	7.60	26.44	37.25	55.6	704	13.5	2.6	68	1.89	66.7	1.3	5.8	0.8	16.9	0.15	1.90	0.28	27	0.02	0.091
3201562	Soil	3.09	12.27	18.32	32.2	528	5.2	1.0	29	17.01	162.7	0.9	5.7	3.2	10.2	0.06	1.93	0.15	406	0.02	0.460
3201563	Soil	7.14	18.63	39.61	76.1	258	19.0	3.4	70	4.71	122.4	1.0	9.0	10.3	15.8	0.05	3.54	0.39	38	<0.01	0.088
3201564	Soil	8.65	12.62	23.63	38.6	339	6.0	1.1	26	6.48	109.9	0.4	0.6	2.3	8.0	0.05	3.63	0.30	48	<0.01	0.148
3201565	Soil	7.44	23.19	50.01	93.5	327	16.2	3.4	138	2.73	56.7	1.0	3.1	5.7	17.6	0.25	3.46	0.27	25	0.03	0.078
3201566	Soil	3.45	18.11	24.59	61.5	569	17.8	4.0	235	1.86	39.6	3.4	5.3	0.7	36.5	0.13	1.66	0.23	17	0.45	0.074
3201567	Soil	7.62	41.21	43.53	215.9	939	50.5	6.7	197	3.26	123.5	3.5	7.1	5.7	27.5	0.49	2.36	0.55	37	0.09	0.163
3201568	Soil	8.04	28.33	32.06	219.0	362	53.6	7.8	232	3.60	118.4	1.5	1.9	3.5	26.4	1.32	2.19	0.45	40	0.14	0.135
3201569	Soil	6.77	28.06	45.73	106.9	501	24.7	4.6	119	7.34	130.1	1.5	4.2	4.0	16.7	0.23	2.69	0.38	63	0.03	0.153
3201570	Soil	8.99	17.33	41.55	60.4	1045	12.1	1.9	60	4.42	101.9	2.0	6.2	5.7	16.7	0.06	2.74	0.45	41	0.01	0.151
3201571	Soil	5.87	24.65	38.93	38.1	763	10.6	1.1	49	1.58	25.3	1.8	5.3	4.4	17.7	0.17	2.67	0.47	33	0.02	0.088
3201572	Soil	4.17	13.79	16.21	72.4	398	10.7	1.5	49	0.98	21.0	0.5	1.7	0.1	8.4	0.17	1.31	0.15	28	<0.01	0.034
3201573	Soil	7.95	35.23	83.04	125.5	2929	23.5	3.2	142	4.01	100.4	1.0	2.1	1.3	25.3	0.22	3.94	0.43	56	0.02	0.302
3201574	Soil	5.60	25.01	57.60	60.1	3936	13.3	1.8	48	2.71	51.2	1.1	5.6	1.9	18.5	0.07	3.11	0.33	35	0.03	0.129
3201575	Soil	3.74	17.53	20.23	28.2	806	6.2	1.7	65	0.93	20.8	0.6	1.4	<0.1	9.3	0.09	1.50	0.17	20	0.01	0.048
3201576	Soil	18.78	91.98	56.04	316.8	668	71.3	11.0	211	4.38	65.9	4.7	3.4	8.8	26.3	0.66	4.67	0.37	69	0.02	0.101
3201577	Soil	7.49	28.93	31.29	92.3	311	25.9	7.1	186	3.74	54.4	2.8	2.5	3.4	20.6	0.23	4.53	0.45	71	0.05	0.113
3201578	Soil	12.80	82.06	40.20	165.3	462	36.4	10.6	219	3.84	50.9	6.5	4.1	7.8	44.1	0.26	4.74	0.34	70	0.02	0.098
3201579	Soil	8.29	52.80	34.29	196.6	284	53.0	12.2	188	3.11	47.7	3.7	4.0	7.9	29.7	0.53	3.80	0.29	57	0.11	0.117
3201580	Soil	8.44	54.17	34.70	195.9	319	49.7	12.3	204	3.19	48.2	3.9	2.9	7.6	29.1	0.55	4.11	0.30	57	0.10	0.122
3206031	Soil	10.48	31.88	62.79	203.2	1386	47.3	6.1	55	5.16	55.6	2.3	7.1	4.2	17.3	0.87	4.00	0.33	36	0.02	0.132
3206032	Soil	8.06	16.89	48.86	40.3	864	9.2	1.2	67	2.74	41.5	1.3	6.6	1.0	14.6	0.13	2.58	0.25	24	0.01	0.094
3206033	Soil	5.37	19.40	43.37	35.9	1172	7.8	1.5	113	1.98	38.9	1.4	4.5	0.5	16.5	0.09	1.37	0.26	22	0.02	0.092
3206034	Soil	5.21	11.33	46.38	39.8	642	9.8	1.5	134	1.71	37.0	0.8	2.6	1.6	17.5	0.14	1.30	0.27	25	0.04	0.097
3206035	Soil	18.04	16.71	23.29	4.6	336	0.7	<0.1	4	0.37	8.2	1.6	1.3	3.9	15.1	0.01	5.30	0.28	11	<0.01	0.024
3206036	Soil	23.25	7.75	36.50	4.7	1010	1.3	0.3	11	1.55	14.3	1.3	3.3	1.5	40.7	<0.01	8.55	0.43	26	<0.01	0.044
3206037	Soil	6.27	4.43	10.08	6.6	71	1.8	0.3	9	0.26	5.4	0.5	1.7	1.1	7.8	0.01	0.86	0.11	17	<0.01	0.014
3206038	Soil	15.29	26.78	58.72	28.0	483	8.8	1.7	41	2.12	21.8	1.0	4.8	4.5	11.8	0.06	3.79	0.36	34	<0.01	0.037
3206039	Soil	9.82	3.08	12.27	5.8	80	1.5	0.2	4	0.28	5.1	0.6	0.8	0.4	14.9	<0.01	1.80	0.20	25	<0.01	0.023
3206040	Soil	11.51	4.15	13.00	7.0	109	1.9	0.3	6	0.33	6.1	0.6	<0.2	0.3	14.4	<0.01	1.90	0.22	26	<0.01	0.026



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Page: 9 of 11

Part: 2 of 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		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
3201561	Soil	19.6	8.7	0.08	348.6	0.003	<20	0.72	0.008	0.11	0.2	0.9	0.56	0.05	246	2.6	0.07	2.6
3201562	Soil	7.0	7.3	0.03	834.9	0.005	<20	0.71	0.007	0.09	0.1	1.2	0.29	0.40	220	2.5	0.04	1.4
3201563	Soil	28.8	10.2	0.03	278.3	0.004	<20	0.48	0.004	0.14	0.2	1.5	0.47	0.07	325	3.4	0.08	2.8
3201564	Soil	20.3	5.3	<0.01	102.8	0.012	<20	0.32	0.010	0.06	0.3	0.6	0.21	0.04	44	2.3	0.08	3.2
3201565	Soil	22.5	7.1	0.04	469.2	0.004	<20	0.30	0.002	0.14	0.2	1.2	0.41	0.16	103	2.5	0.06	1.5
3201566	Soil	7.2	6.5	0.05	461.7	0.008	<20	0.69	0.025	0.10	0.2	0.9	0.23	0.09	148	3.2	0.03	2.3
3201567	Soil	26.3	16.2	0.15	345.6	0.004	<20	1.63	0.002	0.14	0.2	2.2	0.99	0.04	289	2.3	0.08	2.9
3201568	Soil	21.5	12.2	0.11	267.3	0.005	<20	0.97	0.007	0.13	0.2	1.4	0.99	0.03	81	2.7	0.05	2.5
3201569	Soil	20.9	15.3	0.13	214.3	0.003	<20	0.82	0.004	0.11	0.2	1.5	0.44	0.10	174	2.6	0.06	2.3
3201570	Soil	28.4	12.7	0.11	218.2	0.004	<20	0.77	0.003	0.09	0.2	1.7	0.73	0.03	271	3.0	0.07	2.4
3201571	Soil	25.7	12.5	0.14	253.7	0.003	<20	0.98	0.002	0.11	0.2	1.5	1.12	0.12	233	4.6	0.04	2.4
3201572	Soil	31.3	4.4	<0.01	70.9	0.004	<20	0.19	0.003	0.03	0.1	0.4	0.14	<0.02	17	0.5	0.06	1.7
3201573	Soil	22.8	12.4	0.03	133.3	0.007	<20	0.62	0.004	0.06	0.2	1.1	0.46	0.03	65	2.0	0.12	3.6
3201574	Soil	29.0	13.8	0.08	150.1	0.007	<20	0.60	0.001	0.06	0.2	1.3	0.54	<0.02	259	1.8	0.06	2.7
3201575	Soil	12.1	4.4	0.01	71.9	0.005	<20	0.34	0.016	0.03	0.1	0.3	0.43	<0.02	43	0.8	0.04	1.7
3201576	Soil	25.0	24.0	0.18	331.4	0.011	<20	1.38	0.002	0.09	0.2	3.1	0.48	0.05	132	4.1	0.13	3.4
3201577	Soil	19.9	26.4	0.35	438.2	0.030	<20	1.58	0.007	0.17	0.6	2.5	0.45	0.06	61	3.3	0.07	4.1
3201578	Soil	24.6	29.5	0.43	803.6	0.037	<20	1.74	0.009	0.19	0.3	3.9	0.41	0.11	143	4.5	0.12	4.5
3201579	Soil	25.1	23.7	0.34	302.1	0.028	<20	1.64	0.003	0.12	0.5	2.8	0.32	0.03	177	2.7	0.06	3.7
3201580	Soil	25.0	24.8	0.35	300.9	0.028	<20	1.74	0.004	0.12	0.5	2.9	0.32	0.03	176	2.8	0.08	3.7
3206031	Soil	22.5	10.8	0.08	148.9	0.006	<20	0.75	0.004	0.07	0.2	2.1	1.51	0.12	213	3.9	0.06	1.9
3206032	Soil	19.4	7.4	0.05	114.2	0.004	<20	0.44	0.003	0.05	0.1	0.8	1.00	0.03	192	1.7	0.05	1.7
3206033	Soil	19.8	7.2	0.04	116.3	0.004	<20	0.40	0.009	0.05	0.1	0.7	1.22	0.02	182	1.1	0.05	1.9
3206034	Soil	22.4	8.5	0.06	169.4	0.006	<20	0.38	0.008	0.06	0.2	0.9	0.83	<0.02	80	0.7	0.04	2.3
3206035	Soil	15.0	2.8	<0.01	2128.0	0.006	<20	0.12	<0.001	0.05	<0.1	0.9	0.33	0.07	302	3.3	0.14	1.1
3206036	Soil	8.8	4.3	<0.01	1520.3	0.012	<20	0.23	0.005	0.16	0.2	0.7	1.12	0.33	634	6.4	0.07	1.7
3206037	Soil	25.0	2.9	<0.01	189.9	0.005	<20	0.15	0.001	0.02	<0.1	0.5	0.18	<0.02	10	0.2	0.02	1.7
3206038	Soil	17.4	7.6	0.02	281.4	0.008	<20	0.25	0.001	0.08	<0.1	1.1	0.54	0.11	171	3.3	0.09	2.0
3206039	Soil	14.2	2.8	<0.01	1020.3	0.008	<20	0.20	0.002	0.04	<0.1	0.5	0.31	0.02	12	0.6	0.06	1.6
3206040	Soil	15.8	2.7	<0.01	495.8	0.009	<20	0.21	0.004	0.04	<0.1	0.5	0.30	<0.02	14	0.6	0.07	1.8



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Page:

10 of 11

Part:

1 of 2

CERTIFICATE OF ANALYSIS

WHI18000613.1

	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
3206041	Soil	16.67	4.41	16.82	2.0	619	0.5	<0.1	3	1.59	12.4	0.5	4.3	1.4	3.3	<0.01	1.42	0.25	11	<0.01	0.015
3206042	Soil	17.11	5.45	19.89	3.9	428	1.5	0.3	9	1.10	10.2	1.1	3.7	1.3	10.3	<0.01	3.40	0.23	8	<0.01	0.025
3206043	Soil	34.68	12.93	24.40	10.3	946	2.2	0.6	45	1.71	14.6	3.6	3.9	1.7	6.3	0.06	6.32	0.35	19	0.02	0.048
3206044	Soil	13.31	7.09	37.82	33.1	381	7.2	0.5	14	0.55	9.6	0.4	1.3	0.2	5.0	0.04	3.06	0.21	29	<0.01	0.019
3206045	Soil	15.47	11.80	27.55	35.7	305	8.6	1.1	28	0.98	19.0	0.5	0.4	0.2	6.4	0.06	2.78	0.22	37	<0.01	0.029
3206046	Soil	9.41	4.59	12.63	26.0	276	6.4	0.5	7	0.31	4.9	0.3	23.1	0.2	3.2	0.02	1.53	0.09	18	<0.01	0.015
3206047	Soil	17.08	29.52	74.62	136.6	585	33.9	2.7	60	1.80	49.0	1.4	4.8	1.3	13.9	0.19	5.55	0.27	37	0.02	0.053
3206048	Soil	7.17	14.71	26.27	32.9	582	10.2	1.4	34	1.10	17.2	0.7	2.4	<0.1	11.9	0.06	1.62	0.20	27	0.04	0.066
3206049	Soil	9.61	23.82	37.06	53.9	316	14.9	2.3	56	1.51	32.0	0.9	2.1	0.5	12.1	0.11	2.23	0.22	26	<0.01	0.067
3206050	Soil	7.77	15.17	38.56	26.8	704	7.5	1.2	25	0.91	24.3	0.8	0.7	<0.1	9.3	0.05	1.49	0.19	23	<0.01	0.075
3206051	Soil	5.89	6.35	14.05	15.3	844	2.8	0.6	16	0.45	13.0	0.3	1.6	1.1	4.9	0.03	1.22	0.12	14	<0.01	0.021
3206052	Soil	5.63	11.22	16.60	25.4	419	4.7	0.9	25	0.65	18.1	0.4	0.5	0.8	6.4	0.07	1.01	0.12	15	<0.01	0.031
3206053	Soil	10.69	19.95	46.63	63.3	526	12.6	2.8	106	3.00	90.9	1.0	4.9	4.4	14.4	0.09	2.62	0.31	31	<0.01	0.084
3206054	Soil	5.80	28.51	28.68	104.0	374	22.6	4.7	138	2.91	73.4	1.1	5.5	4.3	15.2	0.19	2.38	0.27	25	0.03	0.084
3206055	Soil	13.64	38.78	29.29	78.4	577	17.9	5.0	162	4.14	60.1	2.3	2.3	2.4	17.8	0.22	2.74	0.28	27	0.07	0.143
3206056	Soil	16.54	17.30	35.77	160.3	554	16.6	7.9	430	2.50	85.7	1.8	6.9	4.7	23.3	0.48	2.24	0.28	23	0.21	0.113
3206057	Soil	16.49	13.96	23.78	198.2	653	20.1	8.8	473	3.29	70.0	1.2	3.0	2.5	14.9	0.57	1.65	0.21	21	0.05	0.114
3206058	Soil	45.16	17.86	26.67	227.2	486	32.9	31.9	1795	6.60	104.0	2.1	1.7	2.1	17.4	1.75	2.41	0.20	22	0.13	0.236
3206059	Soil	24.23	26.89	31.50	374.7	711	61.1	13.6	697	4.31	97.2	2.6	1.7	1.9	26.9	1.29	2.06	0.24	24	0.26	0.138
3206060	Rock Pulp	12.60	163.42	268.40	229.9	111	79.9	53.0	266	1.62	9.9	0.4	38.4	3.4	32.7	0.55	0.20	0.16	24	0.56	0.052
3206061	Soil	27.08	31.05	45.63	455.3	615	68.2	24.4	894	4.97	112.2	3.1	2.9	1.9	28.6	2.29	2.42	0.24	27	0.23	0.167
3206062	Soil	26.80	34.23	53.16	425.3	1158	55.7	17.1	705	4.31	86.5	3.7	2.7	3.6	26.3	2.02	2.38	0.27	28	0.14	0.192
3206063	Soil	27.59	33.41	47.14	580.1	964	85.0	19.5	1296	4.85	93.6	3.4	2.9	2.5	28.5	2.75	2.36	0.24	30	0.21	0.157
3206064	Soil	6.58	7.54	18.93	64.3	797	9.4	1.7	78	1.15	18.9	0.9	2.3	0.4	10.0	0.19	0.89	0.10	12	0.03	0.072
3206065	Soil	17.09	31.50	27.85	164.6	443	36.2	3.9	83	6.34	97.4	1.9	1.7	3.5	24.9	1.47	2.68	0.22	39	0.19	0.141
3206066	Soil	1.54	16.61	18.78	74.8	232	21.3	5.2	121	2.80	26.6	0.8	<0.2	0.6	14.4	0.12	1.41	0.20	33	0.02	0.052
3206067	Soil	3.87	16.53	15.23	41.8	205	10.9	2.3	60	1.84	22.8	0.7	<0.2	0.3	10.0	0.13	1.62	0.20	47	0.01	0.050
3206068	Soil	5.42	14.85	20.18	54.6	122	10.6	2.9	70	4.00	39.1	0.8	<0.2	2.7	12.6	0.13	2.16	0.39	90	0.02	0.075
3206069	Soil	8.59	20.09	34.28	92.6	151	18.9	3.9	113	3.62	45.4	1.2	0.8	2.6	24.9	0.16	2.68	0.29	62	0.01	0.064
3206070	Soil	4.85	24.98	17.04	68.5	205	17.7	4.2	55	1.57	22.0	1.6	0.5	0.3	20.3	0.43	1.24	0.19	40	0.08	0.044



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Report Date: September 08, 2018

Page: 10 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000613.1

	Method Analyte Unit MDL	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	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		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
3206041	Soil	7.4	2.5	<0.01	248.3	0.008	<20	0.15	0.002	0.14	<0.1	0.5	0.91	0.26	308	1.6	0.05
3206042	Soil	7.0	3.2	<0.01	930.2	0.009	<20	0.15	0.004	0.09	0.1	0.4	0.94	0.18	328	2.0	0.09
3206043	Soil	4.2	5.2	0.01	621.7	0.021	<20	0.37	0.020	0.08	<0.1	1.0	0.57	0.08	109	4.0	0.18
3206044	Soil	11.5	3.0	<0.01	155.0	0.005	<20	0.16	0.001	0.04	0.1	0.4	0.32	0.03	24	1.7	0.10
3206045	Soil	20.3	4.0	<0.01	171.4	0.005	<20	0.19	0.002	0.03	0.2	0.4	0.40	<0.02	12	1.1	0.09
3206046	Soil	10.3	2.1	<0.01	119.9	0.004	<20	0.09	0.002	0.03	0.1	0.3	0.17	<0.02	12	0.6	0.05
3206047	Soil	16.3	8.9	0.04	212.9	0.005	<20	0.39	0.002	0.08	0.2	1.0	0.73	0.06	94	2.4	0.11
3206048	Soil	7.7	6.1	0.03	258.1	0.006	<20	0.41	0.015	0.06	<0.1	0.5	0.31	0.03	111	1.0	0.08
3206049	Soil	18.4	6.3	0.02	194.7	0.004	<20	0.32	0.003	0.06	0.1	0.8	0.28	0.04	95	1.7	0.07
3206050	Soil	10.2	5.8	0.01	165.9	0.003	<20	0.34	0.007	0.06	0.1	0.4	0.33	0.04	99	1.2	0.06
3206051	Soil	16.9	2.7	<0.01	95.5	0.006	<20	0.14	0.006	0.03	<0.1	0.4	0.22	<0.02	26	0.8	0.06
3206052	Soil	25.1	2.9	<0.01	70.6	0.003	<20	0.20	0.002	0.03	0.1	0.5	0.19	<0.02	15	0.5	0.03
3206053	Soil	23.0	10.9	0.06	172.2	0.004	<20	0.63	0.003	0.10	0.2	1.3	0.39	0.04	115	2.8	0.11
3206054	Soil	27.9	10.7	0.13	110.1	0.002	<20	0.65	0.002	0.08	0.2	1.5	0.19	0.03	125	2.1	0.06
3206055	Soil	22.0	12.2	0.10	428.2	0.004	<20	0.66	0.006	0.09	0.1	1.6	0.63	0.03	248	7.1	0.07
3206056	Soil	23.1	9.7	0.11	576.2	0.004	<20	0.56	0.004	0.08	0.1	1.5	0.45	<0.02	338	1.9	0.09
3206057	Soil	13.0	10.7	0.08	282.2	0.005	<20	0.80	0.010	0.09	<0.1	1.1	0.43	0.03	243	1.8	0.06
3206058	Soil	11.6	8.0	0.06	479.4	0.005	<20	0.68	0.007	0.08	0.1	1.2	0.98	0.04	332	3.8	0.06
3206059	Soil	13.1	8.6	0.08	529.5	0.005	<20	0.90	0.008	0.08	<0.1	1.3	0.93	0.03	389	2.6	0.08
3206060	Rock Pulp	26.5	32.3	0.48	62.5	0.074	<20	0.80	0.084	0.11	<0.1	2.9	0.08	0.04	26	<0.1	<0.02
3206061	Soil	12.0	9.6	0.06	461.4	0.005	<20	0.85	0.007	0.08	0.1	1.3	1.60	0.04	401	3.8	0.07
3206062	Soil	20.7	11.8	0.07	452.8	0.005	<20	0.72	0.005	0.08	0.1	2.2	1.68	0.02	403	3.0	0.11
3206063	Soil	14.3	9.7	0.06	600.0	0.005	<20	0.86	0.008	0.09	0.1	1.7	1.32	0.02	404	2.6	0.07
3206064	Soil	7.7	5.1	0.03	116.3	0.004	<20	0.31	0.017	0.05	<0.1	0.5	0.44	0.04	148	1.0	0.03
3206065	Soil	14.4	8.2	0.08	561.9	0.006	<20	0.78	0.006	0.07	0.1	1.4	0.64	0.03	210	7.1	0.09
3206066	Soil	16.8	26.4	0.46	125.1	0.014	<20	1.62	0.009	0.08	0.1	1.2	0.14	0.02	28	0.2	0.03
3206067	Soil	15.5	14.2	0.09	127.2	0.014	<20	0.75	0.005	0.05	0.2	0.6	0.13	0.02	27	0.7	0.04
3206068	Soil	14.9	19.9	0.09	133.1	0.037	<20	0.89	0.006	0.06	0.3	1.2	0.20	<0.02	22	1.1	0.07
3206069	Soil	19.1	23.8	0.20	294.7	0.023	<20	1.12	0.002	0.09	0.2	1.5	0.26	0.05	25	2.9	0.07
3206070	Soil	18.1	10.6	0.07	325.8	0.009	<20	0.84	0.005	0.05	0.3	0.7	0.17	<0.02	53	1.1	0.03



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Page: 11 of 11

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	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
3206071	Soil	4.41	14.74	14.24	53.7	287	13.2	2.0	34	1.54	21.6	0.7	<0.2	0.1	6.6	0.20	1.63	0.22	52	<0.01	0.070
3206072	Soil	8.56	39.42	31.70	171.1	262	40.6	7.4	145	3.35	49.6	2.2	1.0	6.7	25.3	0.29	2.59	0.27	61	0.07	0.089
3206073	Soil	5.80	18.91	24.59	66.9	307	14.6	2.6	47	1.56	22.0	1.3	0.7	0.2	17.2	0.13	1.38	0.19	38	0.03	0.059
3206074	Soil	9.24	29.86	29.52	122.4	269	32.0	6.2	154	3.85	46.6	2.2	2.0	6.3	39.6	0.18	2.94	0.25	60	0.04	0.082
3206075	Soil	10.22	25.23	41.74	103.5	143	22.0	4.2	106	3.79	54.6	1.3	<0.2	4.7	29.4	0.14	2.85	0.36	74	0.01	0.059
3206076	Soil	7.30	33.39	26.61	114.2	300	35.5	4.5	122	3.17	45.2	2.8	2.3	2.1	33.0	0.59	3.06	0.26	43	0.10	0.133
3206077	Soil	9.78	31.94	37.43	125.3	258	30.0	6.2	127	3.37	44.7	2.2	2.4	1.9	26.3	0.25	3.54	0.30	64	0.03	0.074
3206078	Soil	9.30	31.42	28.66	146.3	171	34.1	7.0	151	2.82	37.2	2.2	1.2	3.5	32.4	0.28	3.22	0.23	52	0.09	0.076
3206079	Soil	11.24	37.37	39.31	164.5	308	39.0	7.1	149	3.27	46.9	2.3	2.5	4.4	41.4	0.30	3.99	0.28	58	0.07	0.097
3206080	Soil	9.31	24.20	31.52	113.2	270	27.9	5.2	106	2.74	38.2	1.5	1.6	2.5	31.2	0.17	2.93	0.23	54	0.06	0.081



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Vancouver British Columbia V5C 2V6 Canada

Project: MacMillan Pass
Report Date: September 08, 2018

Page: 11 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI18000613.1

	Method Analyte Unit MDL	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	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		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
3206071	Soil	16.5	7.8	0.04	102.3	0.013	<20	0.52	0.004	0.04	0.2	0.5	0.19	<0.02	18	0.7	0.05	4.5
3206072	Soil	20.9	23.1	0.30	274.3	0.020	<20	1.53	0.003	0.12	0.3	2.6	0.29	0.02	72	3.1	0.06	4.0
3206073	Soil	10.3	12.7	0.10	240.2	0.011	<20	1.05	0.020	0.09	0.2	0.9	0.23	0.03	68	1.5	0.05	4.0
3206074	Soil	20.7	35.7	0.40	371.9	0.024	<20	2.13	0.005	0.14	0.3	3.0	0.32	0.08	132	4.6	0.08	4.1
3206075	Soil	20.7	24.3	0.19	342.9	0.036	<20	1.18	0.003	0.13	0.4	2.3	0.33	0.05	18	3.3	0.09	6.6
3206076	Soil	16.0	25.0	0.18	421.5	0.017	<20	1.75	0.004	0.11	0.4	1.9	0.33	0.08	131	3.7	0.07	3.9
3206077	Soil	18.1	25.0	0.28	407.5	0.019	<20	1.54	0.003	0.14	0.3	2.0	0.38	0.05	114	3.9	0.09	4.4
3206078	Soil	22.9	22.8	0.31	445.3	0.025	<20	1.35	0.002	0.11	0.2	2.2	0.36	0.04	102	4.1	0.06	3.6
3206079	Soil	22.8	23.3	0.29	489.0	0.020	<20	1.54	0.002	0.15	0.3	2.5	0.43	0.06	118	4.2	0.07	3.9
3206080	Soil	21.3	20.1	0.26	341.5	0.018	<20	1.19	0.003	0.12	0.4	2.0	0.28	0.04	63	3.2	0.05	3.3



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QUALITY CONTROL REPORT

WHI18000613.1

	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
Pulp Duplicates																					
3198920	Soil	33.98	20.21	26.86	59.9	913	9.2	1.3	25	2.25	71.3	0.8	1.2	0.5	17.2	0.13	10.32	0.25	112	<0.01	0.050
REP 3198920	QC	34.26	21.41	27.90	58.3	907	9.0	1.3	25	2.24	72.5	0.8	0.4	0.5	17.8	0.11	10.70	0.26	111	<0.01	0.051
3199946	Soil	191.05	54.33	53.28	130.8	1295	37.8	5.1	150	7.55	129.0	8.1	1.2	3.3	65.9	1.03	27.54	0.43	110	0.17	0.169
REP 3199946	QC	190.91	59.20	56.71	129.2	1281	36.1	4.8	160	7.53	123.2	8.1	1.9	3.4	70.5	1.13	27.88	0.46	111	0.17	0.167
3199982	Soil	24.77	23.02	115.53	93.1	2551	19.2	2.3	48	5.34	180.6	1.2	5.5	0.8	59.7	0.15	7.70	1.07	87	0.02	0.259
REP 3199982	QC	24.34	22.92	114.79	88.7	2482	19.5	2.2	48	5.27	176.7	1.2	2.3	0.8	58.9	0.15	7.57	1.05	87	0.02	0.256
3201518	Soil	63.79	24.18	87.51	51.8	2057	9.7	1.4	52	4.08	104.5	2.7	5.3	0.8	73.8	0.16	14.88	0.45	289	0.02	0.235
REP 3201518	QC	64.86	25.44	94.18	53.6	2084	10.5	1.5	56	4.21	111.8	3.0	4.8	0.9	83.6	0.15	16.49	0.50	292	0.03	0.250
3206014	Soil	12.43	8.85	27.46	3.4	510	0.9	0.1	4	0.47	7.3	1.2	2.0	1.2	17.0	<0.01	3.95	0.27	14	<0.01	0.026
REP 3206014	QC	11.62	8.70	26.37	3.5	476	0.9	0.1	4	0.46	7.3	1.1	2.1	1.0	15.0	<0.01	3.80	0.26	13	<0.01	0.024
3201560	Soil	5.78	11.22	24.78	24.5	653	6.6	1.2	30	1.13	29.1	0.8	2.5	<0.1	12.0	0.06	1.51	0.20	18	0.01	0.062
REP 3201560	QC	5.63	11.14	24.06	24.5	655	6.0	1.1	29	1.10	29.0	0.7	1.8	0.1	11.1	0.06	1.41	0.18	18	0.01	0.061
3201574	Soil	5.60	25.01	57.60	60.1	3936	13.3	1.8	48	2.71	51.2	1.1	5.6	1.9	18.5	0.07	3.11	0.33	35	0.03	0.129
REP 3201574	QC	5.69	23.55	53.75	56.3	3706	12.8	1.7	44	2.74	47.9	1.0	5.4	1.8	18.0	0.08	3.00	0.32	37	0.03	0.124
3206046	Soil	9.41	4.59	12.63	26.0	276	6.4	0.5	7	0.31	4.9	0.3	23.1	0.2	3.2	0.02	1.53	0.09	18	<0.01	0.015
REP 3206046	QC	10.02	5.03	13.57	26.9	282	7.0	0.5	8	0.32	5.4	0.3	<0.2	0.2	3.7	0.01	1.67	0.10	19	<0.01	0.017
Reference Materials																					
STD DS11	Standard	16.02	161.31	138.70	361.8	1833	83.4	13.7	1022	3.07	46.7	2.4	46.6	7.8	75.4	2.53	7.83	12.36	49	1.05	0.073
STD DS11	Standard	14.25	150.76	139.42	309.8	1817	76.3	13.1	963	3.03	43.3	2.7	50.5	7.6	66.7	2.24	8.06	11.62	50	1.02	0.066
STD DS11	Standard	14.10	154.17	137.57	324.3	1666	79.3	13.7	956	3.05	43.0	2.5	53.8	7.0	72.4	2.49	8.57	12.21	46	1.02	0.076
STD DS11	Standard	14.02	147.36	138.39	340.3	1621	76.9	13.1	985	3.05	40.6	2.5	69.2	7.8	69.9	2.52	7.43	12.01	50	1.04	0.072
STD DS11	Standard	14.17	147.01	125.57	322.5	1731	74.2	12.8	1021	3.02	44.6	2.5	42.9	7.7	65.0	2.44	7.26	11.52	49	1.03	0.068
STD DS11	Standard	15.03	154.55	139.09	346.3	1709	81.4	13.7	1041	3.10	44.7	3.4	46.6	8.3	69.8	2.65	7.43	12.72	49	1.05	0.069
STD DS11	Standard	14.26	146.88	138.08	324.9	1711	76.0	13.0	1020	3.09	41.7	2.8	65.3	7.9	67.1	2.65	7.27	12.53	49	1.04	0.070
STD DS11	Standard	14.03	147.87	134.49	333.7	1705	78.0	13.8	1056	3.20	45.5	2.5	65.1	7.2	69.7	2.32	6.87	11.71	49	1.07	0.067
STD DS11	Standard	13.89	146.00	137.69	324.0	1591	78.3	14.4	1019	3.12	41.5	2.6	51.3	7.3	66.5	2.41	8.67	12.15	50	1.03	0.066
STD OREAS45EA	Standard	1.55	680.37	13.90	31.6	257	358.2	49.8	400	20.88	11.6	1.8	45.1	10.1	4.1	0.03	0.26	0.25	291	0.03	0.029
STD OREAS45EA	Standard	1.71	705.88	15.04	30.7	257	407.4	53.8	423	23.60	11.7	1.9	51.3	10.7	4.0	<0.01	0.41	0.27	310	0.03	0.028



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Page:

1 of 2

Part:

2 of 2

QUALITY CONTROL REPORT

WHI18000613.1

Method		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte	Unit	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		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
		MDL																
Pulp Duplicates																		
3198920	Soil	14.3	7.8	<0.01	201.2	0.011	<20	0.24	0.003	0.04	0.2	0.5	0.41	0.05	50	3.4	0.21	2.0
REP 3198920	QC	13.9	7.6	<0.01	195.3	0.011	<20	0.24	0.004	0.04	0.2	0.5	0.43	0.05	71	3.4	0.15	1.9
3199946	Soil	3.9	10.0	0.05	142.0	0.005	<20	0.70	0.040	0.51	1.1	1.2	4.46	1.50	405	21.1	0.68	1.9
REP 3199946	QC	4.0	9.9	0.05	164.4	0.005	<20	0.70	0.039	0.51	1.0	1.1	4.84	1.51	411	21.9	0.63	1.8
3199982	Soil	11.2	15.8	0.06	820.3	0.022	<20	0.63	0.035	0.18	3.0	1.0	1.84	0.41	187	6.1	0.25	6.9
REP 3199982	QC	11.6	15.7	0.06	814.9	0.021	<20	0.63	0.035	0.18	3.1	0.9	1.89	0.41	178	5.8	0.24	6.6
3201518	Soil	9.6	27.6	0.09	1297.8	0.013	<20	0.34	0.019	0.23	0.6	0.9	2.41	0.49	522	13.7	0.30	4.9
REP 3201518	QC	9.1	29.1	0.10	1343.4	0.014	<20	0.35	0.019	0.23	0.6	1.0	2.54	0.50	559	14.6	0.32	5.0
3206014	Soil	11.5	2.6	<0.01	1624.0	0.006	<20	0.20	0.003	0.05	<0.1	0.5	0.38	0.07	255	2.9	0.10	1.1
REP 3206014	QC	10.6	2.3	<0.01	1505.1	0.005	<20	0.19	0.003	0.05	<0.1	0.5	0.35	0.06	246	2.7	0.08	1.0
3201560	Soil	11.7	4.9	0.03	287.4	0.004	<20	0.38	0.018	0.07	0.1	0.5	0.34	0.05	161	1.4	0.05	2.0
REP 3201560	QC	10.3	4.7	0.02	275.6	0.004	<20	0.37	0.018	0.07	0.1	0.4	0.31	0.05	150	1.1	0.05	1.8
3201574	Soil	29.0	13.8	0.08	150.1	0.007	<20	0.60	0.001	0.06	0.2	1.3	0.54	<0.02	259	1.8	0.06	2.7
REP 3201574	QC	27.5	12.9	0.07	140.9	0.007	<20	0.63	0.001	0.06	0.2	1.1	0.51	<0.02	249	1.9	0.05	2.3
3206046	Soil	10.3	2.1	<0.01	119.9	0.004	<20	0.09	0.002	0.03	0.1	0.3	0.17	<0.02	12	0.6	0.05	1.0
REP 3206046	QC	11.4	2.2	<0.01	122.6	0.005	<20	0.10	0.003	0.03	<0.1	0.4	0.19	<0.02	14	0.6	0.05	1.0
Reference Materials																		
STD DS11	Standard	18.4	57.0	0.83	427.5	0.091	<20	1.10	0.072	0.40	2.5	3.2	4.92	0.28	265	2.4	4.81	5.2
STD DS11	Standard	18.7	56.0	0.84	361.4	0.087	<20	1.14	0.073	0.40	2.7	2.9	4.51	0.27	245	2.0	4.24	4.8
STD DS11	Standard	19.4	52.8	0.82	383.8	0.086	<20	1.08	0.068	0.39	2.8	2.8	4.74	0.27	275	2.2	4.25	4.4
STD DS11	Standard	18.5	56.8	0.81	387.2	0.098	<20	1.13	0.072	0.40	2.5	3.1	4.94	0.27	254	2.2	4.50	4.9
STD DS11	Standard	17.9	55.0	0.81	366.6	0.091	<20	1.12	0.072	0.40	2.4	3.0	4.63	0.28	237	2.0	4.36	4.9
STD DS11	Standard	19.3	58.2	0.84	412.1	0.096	<20	1.15	0.073	0.41	3.3	3.2	4.82	0.28	257	2.3	4.76	5.1
STD DS11	Standard	19.4	54.8	0.82	405.2	0.095	<20	1.13	0.072	0.40	2.7	3.2	4.76	0.29	265	1.8	4.55	4.7
STD DS11	Standard	19.4	59.5	0.86	406.5	0.096	<20	1.15	0.073	0.41	3.0	3.3	4.80	0.28	256	2.2	4.61	4.9
STD DS11	Standard	18.2	60.4	0.82	391.9	0.096	<20	1.11	0.074	0.39	2.5	3.1	5.02	0.28	245	2.3	4.80	4.7
STD OREAS45EA	Standard	7.2	731.7	0.09	141.3	0.096	<20	3.24	0.019	0.05	<0.1	77.6	0.06	0.03	24	1.1	0.09	12.9
STD OREAS45EA	Standard	8.3	809.4	0.10	153.4	0.105	<20	3.46	0.025	0.05	<0.1	80.4	0.06	0.04	22	1.2	0.13	12.0



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Page:

2 of 2

Part:

1 of 2

QUALITY CONTROL REPORT

WHI18000613.1

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
STD OREAS45EA	Standard	1.64	727.75	14.26	29.9	263	421.9	50.2	406	22.55	11.4	1.7	59.7	10.0	4.2	0.01	0.31	0.26	333	0.03	0.034
STD OREAS45EA	Standard	1.52	689.86	15.67	32.7	283	404.5	53.2	415	23.19	11.4	2.0	58.6	11.3	4.3	<0.01	0.22	0.27	310	0.03	0.028
STD OREAS45EA	Standard	1.74	685.26	14.93	30.7	273	389.8	50.4	393	21.34	11.9	1.9	55.9	10.8	4.0	<0.01	0.34	0.26	297	0.03	0.027
STD OREAS45EA	Standard	1.69	676.74	16.59	32.2	284	376.2	55.2	401	23.57	11.3	2.2	55.7	12.5	4.2	0.02	0.42	0.30	318	0.03	0.028
STD OREAS45EA	Standard	1.70	708.47	16.10	32.1	263	382.9	54.2	406	22.05	11.7	2.1	55.8	11.4	4.2	0.01	0.33	0.29	301	0.04	0.029
STD OREAS45EA	Standard	1.61	726.29	14.83	33.0	288	409.7	59.7	429	25.58	11.8	2.0	49.9	11.2	4.5	<0.01	0.28	0.28	333	0.03	0.028
STD OREAS45EA	Standard	1.83	689.02	14.21	29.4	239	394.7	53.6	415	20.91	11.6	1.7	60.4	10.2	3.8	0.02	0.47	0.27	308	0.03	0.029
STD OREAS45EA Expected		1.6	709	14.3	31.4	260	381	52	400	22.65	11.4	1.73	53	10.7	4.05	0.03	0.32	0.26	303	0.036	0.029
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
BLK	Blank	<0.01	<0.01	<0.01	<0.1	5	<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	0.02	<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	0.04	<0.01	0.05	0.2	<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	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	0.02	<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	0.03	<1	<0.01	<0.001
BLK	Blank	<0.01	0.04	<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	0.02	<0.01	<0.01	0.2	<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



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Project:

MacMillan Pass

Report Date:

September 08, 2018

Page:

2 of 2

Part:

2 of 2

QUALITY CONTROL REPORT

WHI18000613.1

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Ti ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1
STD OREAS45EA	Standard	7.5	855.3	0.09	141.9	0.105	<20	3.42	0.021	0.06	<0.1	80.8	0.07	0.03	21	0.9	0.09	11.2
STD OREAS45EA	Standard	8.3	857.5	0.09	169.8	0.101	<20	3.39	0.024	0.05	<0.1	78.0	0.07	0.04	10	1.0	0.10	13.8
STD OREAS45EA	Standard	7.6	801.1	0.09	154.6	0.100	<20	3.31	0.023	0.05	<0.1	76.3	0.07	0.04	7	0.9	0.08	13.1
STD OREAS45EA	Standard	8.4	851.5	0.09	165.5	0.102	<20	3.16	0.019	0.05	<0.1	75.9	0.07	0.03	15	0.9	0.10	13.5
STD OREAS45EA	Standard	7.8	822.2	0.09	160.4	0.097	<20	3.43	0.019	0.06	<0.1	78.3	0.07	0.04	7	0.9	0.12	13.2
STD OREAS45EA	Standard	8.3	896.7	0.10	160.4	0.108	<20	3.49	0.019	0.06	<0.1	82.1	0.07	0.03	18	1.3	0.09	13.4
STD OREAS45EA	Standard	7.7	871.9	0.09	143.6	0.106	<20	3.39	0.025	0.06	<0.1	78.2	0.06	0.04	7	1.6	0.11	12.5
STD OREAS45EA Expected		7.06	849	0.095	148	0.0984		3.32	0.02	0.053		78	0.072	0.036	10	0.78	0.1	12.4
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
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	9	<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	0.03	<0.02	15	<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
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	7	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	0.6	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1