



**BUREAU
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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:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Submitted By: Dennis Arne

Receiving Lab: Canada-Whitehorse

Received: June 14, 2018

Report Date: June 27, 2018

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CERTIFICATE OF ANALYSIS

WHI18000103.1

CLIENT JOB INFORMATION

Project: MacMillan Pass

Shipment ID:

P.O. Number

Number of Samples: 303

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: Jack Milton
Gilles Dessureau
Jill Moore
Maeve Murphy

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS230	296	Dry at 60C sieve 100g to -230 mesh			WHI
SLBHP	7	Sort, label and box pulps			WHI
AQ250	303	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SHP01	303	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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	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
3198001	Soil	8.84	50.13	85.08	132.1	1199	20.3	3.2	80	2.54	95.1	0.7	3.8	1.3	24.6	0.28	3.69	0.38	45	0.01	0.077
3198002	Soil	10.36	44.98	117.33	92.7	2921	18.8	2.9	106	4.82	191.2	1.2	10.9	2.2	36.8	0.27	4.01	0.52	50	0.02	0.443
3198003	Soil	8.78	40.90	53.50	117.8	542	20.8	3.4	84	2.42	82.2	0.7	1.6	1.2	15.4	0.21	3.21	0.31	48	<0.01	0.067
3198004	Soil	11.20	45.48	95.80	114.3	2187	22.2	3.2	101	5.23	199.6	1.3	5.7	2.6	28.6	0.26	5.50	0.49	44	0.03	0.405
3198005	Soil	5.85	37.07	102.17	94.1	1201	15.8	2.4	45	1.55	121.0	0.7	4.3	1.1	40.2	0.22	4.57	0.32	32	<0.01	0.055
3198006	Soil	2.85	21.01	43.45	48.1	1817	6.5	1.2	54	1.04	72.4	0.3	3.6	0.4	19.9	0.07	3.42	0.16	16	0.04	0.056
3198007	Soil	7.20	42.99	60.10	96.2	3217	21.1	3.7	104	3.28	111.6	0.9	3.9	1.3	18.7	0.28	2.61	0.41	42	0.02	0.193
3198008	Soil	11.36	57.00	71.93	129.3	1889	34.2	5.9	239	5.27	170.8	1.7	5.9	4.3	27.9	0.48	4.20	0.42	42	0.09	0.311
3198009	Soil	9.41	46.20	26.91	109.8	914	23.8	5.8	112	2.80	72.8	0.8	3.8	0.6	10.6	0.30	3.04	0.33	66	<0.01	0.069
3198010	Soil	9.79	39.33	84.44	110.6	787	30.0	4.8	81	3.41	107.2	1.0	3.3	2.1	18.6	0.18	3.75	0.60	57	0.02	0.167
3198011	Soil	4.81	50.21	31.99	110.0	214	30.6	6.9	200	3.01	59.2	1.7	4.1	6.0	16.9	0.25	1.21	0.39	27	0.03	0.079
3198012	Soil	5.15	59.02	34.38	136.2	258	39.0	9.7	261	3.63	72.7	2.2	4.9	9.2	20.3	0.42	0.83	0.42	33	0.03	0.094
3198013	Soil	4.67	41.94	32.18	98.1	285	25.8	5.6	144	3.11	62.0	1.6	4.5	4.5	17.1	0.20	1.07	0.37	29	0.03	0.089
3198014	Soil	4.74	43.50	33.91	101.1	294	28.1	6.1	171	3.07	62.1	1.6	4.6	5.4	18.0	0.24	0.97	0.36	30	0.03	0.084
3198015	Soil	5.15	45.68	34.05	107.3	347	30.5	6.2	167	3.17	65.8	1.6	11.4	5.7	16.6	0.23	1.28	0.37	29	0.03	0.081
3198016	Soil	6.00	53.17	37.69	123.9	383	33.4	6.5	172	3.28	80.5	1.8	4.9	5.0	20.1	0.32	1.46	0.38	34	0.03	0.091
3198017	Soil	4.25	35.62	52.15	83.3	551	19.5	3.6	91	2.36	51.7	1.3	4.0	1.9	14.9	0.18	1.49	0.27	26	0.04	0.079
3198018	Soil	4.54	30.77	54.47	82.4	413	18.2	3.5	89	2.15	49.6	0.9	2.2	0.9	14.2	0.15	1.23	0.27	28	0.02	0.092
3198019	Soil	3.15	21.66	29.71	56.2	660	12.1	2.4	50	1.42	28.1	0.8	1.5	1.1	10.8	0.09	0.88	0.17	20	0.02	0.047
3198020	Soil	5.33	41.58	49.19	110.6	1540	23.8	4.4	96	2.50	57.8	1.3	2.9	1.3	14.7	0.39	1.73	0.27	32	0.01	0.093
3198021	Soil	2.85	29.08	25.00	57.2	567	13.1	2.6	58	1.48	28.5	0.9	1.9	1.5	10.6	0.13	0.86	0.15	22	0.04	0.064
3198022	Soil	6.04	59.71	58.60	167.3	420	36.6	7.1	172	3.29	77.8	1.6	4.0	4.2	19.4	0.56	1.45	0.36	34	0.03	0.094
3198023	Soil	6.55	61.57	44.09	172.3	507	40.1	8.2	221	3.41	81.1	1.9	5.5	5.5	22.5	0.68	1.49	0.38	34	0.03	0.096
3198024	Soil	6.33	39.00	53.17	119.2	949	25.7	4.8	130	2.91	74.5	1.2	3.7	1.9	14.7	0.25	2.00	0.33	35	0.03	0.106
3198025	Soil	6.23	41.11	55.29	121.8	746	26.8	5.8	176	3.01	74.7	1.3	3.0	1.9	15.2	0.32	1.88	0.33	35	0.03	0.107
3198026	Soil	2.67	18.39	35.09	47.1	3273	10.7	2.1	52	1.67	34.6	0.7	1.9	0.2	8.5	0.08	1.20	0.20	16	0.03	0.066
3198027	Soil	0.93	8.90	16.16	13.5	4015	3.3	0.9	27	0.79	11.7	0.5	1.7	<0.1	7.2	0.03	0.46	0.08	7	0.06	0.051
3198028	Soil	5.30	32.20	33.89	86.9	726	23.0	4.5	124	2.68	59.0	0.9	2.9	6.8	13.6	0.15	1.61	0.27	27	0.01	0.081
3198029	Soil	5.60	43.84	35.62	127.9	501	33.4	7.0	179	3.26	72.2	1.5	3.1	10.3	20.2	0.25	1.35	0.35	29	0.05	0.096
3198030	Soil	5.74	36.47	41.87	96.4	619	22.3	4.4	108	2.50	59.2	1.0	2.4	2.4	14.5	0.28	1.66	0.30	30	0.01	0.089



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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
		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
3198001	Soil	27.8	7.0	0.01	155.9	0.007	<20	0.26	0.003	0.05	0.2	1.0	0.25	0.05	35	2.9	0.11	2.3
3198002	Soil	11.3	18.7	0.02	354.3	0.007	<20	0.82	0.004	0.11	0.2	1.6	0.52	0.12	245	4.7	0.13	3.9
3198003	Soil	31.7	6.6	<0.01	104.8	0.006	<20	0.23	<0.001	0.04	0.2	0.8	0.17	0.03	19	2.0	0.10	2.1
3198004	Soil	16.7	19.7	0.04	228.6	0.007	<20	0.56	0.003	0.08	1.2	1.3	0.34	0.09	127	5.3	0.15	3.4
3198005	Soil	40.4	6.0	<0.01	151.3	0.004	<20	0.28	0.012	0.04	0.2	0.6	0.35	0.04	28	1.5	0.10	2.0
3198006	Soil	13.9	3.5	0.01	70.5	0.007	<20	0.36	0.025	0.03	0.1	0.5	0.17	0.03	45	1.2	0.05	1.5
3198007	Soil	17.7	11.2	0.04	141.4	0.007	<20	0.76	0.005	0.05	0.3	1.2	0.26	0.04	82	2.5	0.11	3.7
3198008	Soil	21.4	23.0	0.08	166.9	0.005	<20	0.75	0.001	0.07	0.2	2.2	0.32	0.05	139	5.2	0.13	2.4
3198009	Soil	31.1	12.4	0.01	115.4	0.008	<20	0.36	0.002	0.04	0.2	0.6	0.07	0.02	37	2.0	0.13	2.4
3198010	Soil	20.5	11.2	0.03	148.6	0.013	<20	0.41	<0.001	0.06	0.2	1.4	0.30	0.04	23	2.6	0.12	4.9
3198011	Soil	37.3	16.9	0.25	139.1	0.003	<20	1.09	0.003	0.09	0.1	2.4	0.18	<0.02	81	0.8	0.07	3.1
3198012	Soil	36.9	19.4	0.28	207.6	0.003	<20	1.41	0.005	0.14	<0.1	3.4	0.23	<0.02	131	0.8	0.10	3.7
3198013	Soil	34.9	16.1	0.23	134.3	0.003	<20	1.13	0.004	0.09	0.1	2.0	0.18	<0.02	94	1.1	0.05	3.2
3198014	Soil	37.5	17.2	0.24	159.2	0.003	<20	1.16	0.003	0.10	0.1	2.2	0.20	<0.02	93	0.9	0.06	3.3
3198015	Soil	32.9	16.6	0.23	131.9	0.003	<20	1.09	0.003	0.09	0.2	1.9	0.17	0.02	78	1.2	0.05	3.2
3198016	Soil	32.6	17.1	0.20	156.9	0.002	<20	1.07	0.001	0.10	0.1	2.0	0.21	0.02	127	1.5	0.08	2.9
3198017	Soil	24.2	11.7	0.15	143.0	0.003	<20	0.85	0.004	0.07	0.1	1.3	0.15	0.03	97	0.9	0.07	2.5
3198018	Soil	23.1	10.6	0.11	127.7	0.003	<20	0.81	0.004	0.06	0.1	0.8	0.16	0.03	76	1.3	0.06	2.8
3198019	Soil	12.7	7.7	0.06	99.2	0.006	<20	0.65	0.016	0.06	0.1	1.0	0.12	<0.02	68	0.5	0.03	2.7
3198020	Soil	22.6	12.4	0.12	141.8	0.003	<20	0.87	0.002	0.07	0.1	1.0	0.15	0.04	91	1.2	0.07	2.7
3198021	Soil	9.6	7.5	0.06	111.8	0.009	<20	0.75	0.020	0.05	0.1	1.2	0.11	<0.02	73	0.6	0.04	2.6
3198022	Soil	32.2	16.7	0.19	171.1	0.003	<20	1.09	0.003	0.10	0.2	2.0	0.20	0.02	81	1.4	0.08	3.3
3198023	Soil	36.7	16.7	0.21	201.3	0.003	<20	1.05	0.003	0.11	0.1	2.5	0.29	0.02	121	1.2	0.07	2.9
3198024	Soil	23.1	12.9	0.11	101.2	0.006	<20	0.67	0.003	0.07	0.2	1.5	0.17	0.03	79	1.6	0.10	2.8
3198025	Soil	23.6	13.2	0.13	104.1	0.006	<20	0.70	0.003	0.07	0.2	1.4	0.18	0.03	74	1.5	0.08	2.8
3198026	Soil	8.9	7.3	0.06	61.8	0.005	<20	0.63	0.014	0.04	0.1	0.6	0.08	0.03	75	0.6	0.03	2.1
3198027	Soil	3.5	3.3	0.03	26.0	0.010	<20	0.55	0.025	0.02	<0.1	0.3	0.03	<0.02	63	0.2	<0.02	1.8
3198028	Soil	31.8	10.2	0.12	87.5	0.005	<20	0.65	0.002	0.06	0.1	1.8	0.12	0.02	397	1.2	0.07	2.6
3198029	Soil	38.8	15.1	0.23	122.5	0.003	<20	1.01	0.003	0.08	0.1	2.3	0.14	<0.02	81	1.1	0.05	3.1
3198030	Soil	26.4	9.6	0.09	100.8	0.003	<20	0.57	0.002	0.06	0.2	1.5	0.12	0.03	106	1.3	0.06	2.6



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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
3198031	Soil	6.71	45.67	68.28	151.8	471	29.8	5.7	156	3.23	78.3	1.2	3.6	5.1	17.2	0.39	1.81	0.33	33	0.03	0.100
3198032	Soil	6.22	39.15	41.34	113.3	312	27.3	4.8	131	2.86	69.2	1.1	4.0	5.5	16.8	0.22	1.82	0.30	30	0.02	0.088
3198033	Soil	6.08	37.92	39.69	104.3	406	26.6	4.5	123	2.70	66.4	1.1	4.7	6.0	18.4	0.21	1.78	0.29	29	0.04	0.089
3198034	Soil	7.23	44.56	67.41	152.1	534	32.4	5.4	143	3.47	91.3	1.3	4.7	3.0	21.5	0.30	2.00	0.39	42	0.05	0.136
3198035	Soil	2.18	16.84	21.98	33.7	1189	7.3	1.5	30	0.81	16.5	0.6	1.7	<0.1	7.9	0.09	0.76	0.10	14	<0.01	0.060
3198036	Soil	7.26	42.32	67.41	391.1	766	33.9	6.2	194	3.90	57.8	0.7	3.3	3.6	18.1	0.38	2.79	0.48	59	<0.01	0.104
3198037	Soil	5.74	36.70	35.47	332.9	414	28.5	5.3	147	2.69	43.3	0.5	2.7	3.4	11.1	0.37	2.13	0.30	58	<0.01	0.064
3198038	Soil	5.95	44.15	35.51	109.6	451	24.9	4.9	118	3.29	62.3	1.0	2.7	4.0	18.4	0.25	1.13	0.32	37	0.01	0.072
3198039	Soil	7.58	51.78	44.22	126.3	498	28.0	5.5	133	3.74	75.8	1.2	2.2	6.6	20.4	0.23	0.99	0.40	44	0.01	0.076
3198040	Rock Pulp	12.10	161.07	264.12	204.0	104	77.4	45.8	272	1.59	8.9	0.5	34.0	3.2	33.3	0.51	0.15	0.15	25	0.59	0.049
3198041	Soil	7.20	45.68	41.94	132.2	435	31.8	5.9	147	3.58	76.9	1.2	2.7	8.8	19.5	0.23	1.26	0.36	37	0.01	0.089
3198042	Soil	6.41	40.83	42.11	128.1	705	31.2	5.9	148	3.09	64.8	1.3	11.1	6.6	19.6	0.47	1.18	0.33	34	0.02	0.093
3198043	Soil	5.61	57.43	35.32	130.9	546	29.3	5.8	135	2.84	58.2	1.3	1.8	5.0	17.2	0.52	1.23	0.30	29	0.02	0.078
3198044	Soil	6.06	41.58	35.81	143.3	390	35.3	6.4	138	2.71	61.6	1.4	2.5	3.7	20.6	0.58	1.26	0.33	34	0.02	0.092
3198045	Soil	5.03	32.83	35.36	112.6	113	25.1	4.7	128	2.62	66.6	1.2	3.6	8.3	14.9	0.25	1.32	0.31	29	0.05	0.083
3198046	Soil	4.87	32.15	33.76	107.1	90	23.5	4.3	125	2.44	63.0	1.2	2.7	8.3	15.3	0.24	1.29	0.31	26	0.05	0.079
3198047	Soil	4.96	40.33	36.87	114.4	346	25.7	4.6	121	2.39	61.4	1.2	2.7	6.3	15.7	0.30	1.22	0.28	28	0.04	0.081
3198048	Soil	5.57	51.01	90.37	151.6	371	25.7	8.7	276	2.66	66.1	1.6	3.5	5.6	20.8	0.69	2.15	0.26	28	0.09	0.098
3198049	Soil	5.31	39.85	42.22	130.1	220	27.3	5.1	133	2.55	64.5	1.2	2.5	5.5	17.3	0.44	1.33	0.28	30	0.06	0.083
3198050	Soil	5.68	45.30	42.70	150.5	282	32.6	9.1	272	2.84	73.2	1.7	3.6	5.3	23.3	0.68	1.68	0.33	29	0.11	0.109
3198051	Soil	5.56	48.52	67.97	155.1	331	29.9	7.7	248	2.79	69.4	1.6	2.6	5.7	21.6	0.74	1.69	0.28	31	0.10	0.097
3198052	Soil	5.55	45.51	42.93	159.0	274	31.0	7.8	269	2.86	74.1	1.6	4.1	7.7	24.0	0.72	1.60	0.32	29	0.13	0.105
3198053	Soil	6.90	39.36	40.52	145.3	344	33.3	5.4	128	2.85	91.4	1.3	4.9	5.4	22.0	0.48	1.65	0.40	34	0.10	0.120
3198054	Soil	5.50	37.84	81.12	143.1	237	23.7	5.7	180	2.40	62.2	1.4	3.5	5.5	20.0	0.63	1.65	0.28	28	0.08	0.089
3198055	Soil	7.34	61.58	39.39	188.5	449	44.6	9.1	214	3.16	103.9	2.0	4.1	9.6	29.9	0.85	1.80	0.43	36	0.14	0.136
3198056	Soil	5.68	38.77	38.01	133.3	279	29.9	5.0	132	2.65	75.0	1.5	3.0	6.8	21.6	0.35	1.64	0.35	29	0.11	0.111
3198057	Soil	6.11	40.55	35.10	132.6	310	30.9	5.2	122	2.90	84.3	1.3	3.9	5.9	23.4	0.39	1.59	0.36	33	0.12	0.126
3198058	Soil	5.84	40.60	39.72	133.6	204	29.3	5.5	143	2.92	83.6	1.4	3.1	8.3	22.7	0.44	1.59	0.35	33	0.11	0.116
3198059	Soil	6.94	50.18	38.17	155.9	405	36.5	6.0	149	2.93	90.7	1.7	3.1	8.2	24.7	0.51	1.51	0.39	35	0.11	0.122
3198060	Soil	6.64	39.05	40.11	128.0	340	28.9	5.0	122	2.84	86.4	1.5	4.0	5.7	23.4	0.29	1.56	0.37	35	0.11	0.130



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Project: MacMillan Pass

Report Date: June 27, 2018

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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
		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
3198031	Soil	31.6	12.8	0.14	108.1	0.003	<20	0.71	0.002	0.08	0.2	1.8	0.15	0.02	87	1.7	0.06	2.6
3198032	Soil	31.3	11.7	0.12	107.8	0.003	<20	0.65	0.001	0.08	0.2	1.7	0.14	0.02	182	1.6	0.08	2.3
3198033	Soil	33.0	11.0	0.13	106.8	0.003	<20	0.66	0.001	0.08	0.1	1.7	0.14	0.02	70	1.2	0.05	2.3
3198034	Soil	30.2	16.6	0.15	143.5	0.004	<20	0.87	<0.001	0.08	0.2	1.7	0.18	0.02	57	2.1	0.10	2.8
3198035	Soil	7.2	4.1	0.02	61.4	0.004	<20	0.28	0.016	0.05	<0.1	0.5	0.08	<0.02	78	0.2	0.03	1.6
3198036	Soil	27.1	12.9	0.02	66.3	0.005	<20	0.38	<0.001	0.04	0.1	1.5	0.16	0.03	56	2.4	0.11	3.5
3198037	Soil	28.5	8.3	0.01	42.3	0.005	<20	0.27	<0.001	0.03	0.1	1.1	0.11	0.02	31	1.4	0.09	2.8
3198038	Soil	23.3	14.3	0.10	124.0	0.003	<20	0.94	0.004	0.08	0.2	1.5	0.20	0.03	47	1.5	0.06	3.1
3198039	Soil	29.2	16.9	0.11	126.0	0.002	<20	1.03	0.003	0.08	0.2	1.8	0.23	0.02	51	1.9	0.09	3.7
3198040	Rock Pulp	25.2	31.7	0.49	56.1	0.076	<20	0.83	0.085	0.12	<0.1	3.0	0.07	0.04	15	<0.1	<0.02	2.8
3198041	Soil	35.2	15.2	0.16	117.8	0.002	<20	0.94	0.002	0.08	0.2	2.0	0.21	0.02	40	1.7	0.08	3.1
3198042	Soil	33.3	14.4	0.16	139.1	0.002	<20	0.89	0.003	0.09	0.2	1.8	0.17	0.02	76	1.9	0.07	3.0
3198043	Soil	32.7	12.8	0.16	109.9	0.002	<20	0.84	0.001	0.08	0.2	1.8	0.15	0.02	50	1.3	0.05	2.4
3198044	Soil	24.3	15.7	0.18	227.1	0.002	<20	1.02	0.003	0.12	0.2	2.0	0.33	0.02	92	1.0	0.06	3.0
3198045	Soil	36.7	12.2	0.15	100.7	0.003	<20	0.79	0.001	0.06	0.1	1.6	0.15	<0.02	43	1.0	0.04	2.3
3198046	Soil	40.1	11.9	0.13	94.2	0.003	<20	0.72	<0.001	0.06	0.2	1.6	0.14	<0.02	48	0.8	0.03	2.2
3198047	Soil	31.1	11.6	0.13	121.6	0.004	<20	0.79	0.005	0.07	0.1	1.6	0.15	<0.02	53	0.6	0.05	2.5
3198048	Soil	34.2	11.3	0.11	229.4	0.004	<20	0.63	0.002	0.07	0.6	1.8	0.14	0.02	135	1.5	0.06	1.8
3198049	Soil	35.3	12.4	0.15	171.1	0.003	<20	0.80	0.003	0.07	0.2	1.7	0.15	<0.02	41	1.1	0.05	2.6
3198050	Soil	38.1	13.6	0.16	197.1	0.003	<20	0.79	0.002	0.08	0.2	1.8	0.15	<0.02	97	1.4	0.04	2.2
3198051	Soil	32.5	12.3	0.13	955.0	0.004	<20	0.73	0.004	0.08	0.3	1.8	0.16	0.03	129	1.6	0.06	2.3
3198052	Soil	35.3	12.9	0.16	213.2	0.003	<20	0.83	0.002	0.10	0.2	2.1	0.15	<0.02	117	1.1	0.07	2.2
3198053	Soil	34.3	14.6	0.17	167.1	0.003	<20	0.88	0.002	0.11	0.2	1.7	0.20	<0.02	58	1.2	0.05	2.7
3198054	Soil	32.4	12.1	0.12	656.8	0.004	<20	0.65	0.003	0.07	0.9	1.6	0.15	0.03	123	1.2	0.06	2.1
3198055	Soil	37.9	17.5	0.21	245.7	0.004	<20	1.01	0.002	0.13	0.1	2.7	0.25	<0.02	149	1.4	0.06	2.7
3198056	Soil	38.2	13.6	0.19	135.5	0.004	<20	0.84	0.002	0.08	0.2	1.8	0.18	<0.02	73	1.2	0.05	2.4
3198057	Soil	33.7	14.2	0.17	139.7	0.003	<20	0.88	0.002	0.09	0.2	1.7	0.17	<0.02	76	1.2	0.04	2.5
3198058	Soil	43.3	14.6	0.17	138.5	0.004	<20	0.86	0.002	0.08	0.2	1.7	0.17	<0.02	63	1.3	0.05	2.5
3198059	Soil	35.8	16.7	0.18	210.0	0.004	<20	0.99	0.002	0.10	0.1	2.1	0.24	<0.02	103	1.4	0.06	2.9
3198060	Soil	34.1	15.4	0.16	164.1	0.004	<20	0.90	0.002	0.09	0.1	1.6	0.21	<0.02	106	1.4	0.05	2.8



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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
3198061	Soil	6.85	36.99	42.89	120.2	488	26.5	4.4	109	3.08	93.9	1.4	3.3	6.5	19.7	0.22	1.40	0.39	39	0.07	0.116
3198062	Soil	6.76	44.97	38.13	135.7	307	31.3	5.6	149	2.95	89.6	1.7	3.7	6.5	23.9	0.32	1.69	0.36	34	0.13	0.125
3198063	Soil	6.65	35.57	29.11	127.6	254	33.5	5.6	123	2.62	87.2	1.3	3.5	6.7	23.2	0.28	1.41	0.43	32	0.11	0.121
3198064	Soil	10.64	43.28	46.11	176.0	553	41.6	5.2	88	2.39	87.9	1.4	5.3	1.2	21.0	0.57	1.58	0.48	46	0.05	0.112
3198065	Soil	7.96	58.20	52.35	226.3	1592	52.7	15.8	292	3.04	116.6	3.4	5.9	<0.1	49.4	1.88	2.11	0.51	47	0.58	0.166
3198066	Soil	4.45	29.51	34.48	597.6	829	88.5	7.2	409	1.63	16.4	7.4	1.6	1.0	68.3	2.67	2.10	0.17	33	1.52	0.371
3198067	Soil	7.03	44.47	75.16	894.6	364	36.0	6.5	519	1.70	33.1	2.5	2.5	1.7	29.4	2.67	1.48	0.17	28	0.35	0.078
3198068	Soil	5.32	24.79	87.96	499.6	234	22.4	3.9	287	1.47	34.4	1.2	2.4	1.7	20.2	1.19	1.27	0.18	27	0.17	0.062
3198069	Soil	7.17	56.75	320.33	425.3	522	27.9	3.3	97	2.40	63.4	1.2	6.5	1.3	24.0	0.95	2.37	0.22	34	0.07	0.100
3198070	Soil	7.76	86.32	317.64	504.7	562	40.0	7.4	200	3.05	76.1	1.7	8.4	5.3	26.9	1.38	2.13	0.28	40	0.07	0.103
3198071	Soil	5.31	24.36	128.54	129.6	804	12.9	1.9	54	1.48	44.6	0.6	2.3	0.8	15.7	0.23	1.62	0.17	28	0.03	0.062
3198072	Soil	5.89	40.52	215.80	218.1	520	20.0	2.8	81	2.33	66.0	0.9	5.5	3.4	22.4	0.41	2.55	0.23	33	0.08	0.097
3198073	Soil	1.21	6.35	41.35	27.4	827	2.4	0.4	12	0.29	4.4	0.4	3.2	<0.1	9.5	0.09	0.27	0.06	10	0.01	0.035
3198074	Soil	6.65	26.34	186.46	129.0	753	13.6	2.0	63	3.64	62.3	0.7	1.4	3.1	14.8	0.29	1.95	0.36	94	0.01	0.119
3198075	Soil	4.86	29.60	190.15	163.1	598	15.4	2.2	71	2.76	43.3	0.8	1.8	2.4	17.9	0.31	2.26	0.22	41	0.04	0.082
3198076	Soil	7.20	61.21	371.81	212.2	438	24.8	3.5	106	4.51	57.9	1.3	2.4	7.6	21.4	0.27	2.39	0.31	50	<0.01	0.077
3198077	Soil	5.69	67.13	407.12	220.6	482	23.2	3.9	111	3.08	49.8	1.7	2.2	7.1	25.0	0.37	2.53	0.27	40	0.02	0.079
3198078	Soil	7.27	47.66	254.61	167.6	1345	19.3	2.5	83	5.00	57.2	0.9	6.1	5.7	17.9	0.24	2.35	0.37	75	<0.01	0.093
3198079	Soil	6.60	54.44	386.08	192.0	1356	20.6	2.8	90	3.73	43.5	1.1	4.0	6.0	28.3	0.27	2.30	0.32	56	<0.01	0.079
3198080	Rock Pulp	0.69	25.40	2.10	21.2	21	17.6	6.0	250	1.43	0.5	0.4	0.2	3.0	29.2	0.02	0.05	0.02	22	0.65	0.051
3198081	Soil	13.95	48.60	436.23	117.5	2932	9.9	1.3	44	2.99	61.2	0.8	5.3	6.2	50.9	0.21	2.66	0.43	41	<0.01	0.073
3198082	Soil	7.35	49.31	359.80	131.3	2133	13.3	1.7	53	3.54	45.2	0.6	1.9	4.2	27.7	0.20	2.36	0.31	59	<0.01	0.074
3198083	Soil	7.98	58.09	296.97	138.2	1293	19.8	2.5	64	4.62	39.7	1.0	3.3	5.3	26.0	0.17	2.32	0.32	65	0.01	0.064
3198084	Soil	5.59	63.60	354.48	168.7	1254	18.3	2.2	67	3.13	32.5	1.0	5.1	5.7	26.1	0.19	2.24	0.22	43	<0.01	0.065
3198085	Soil	8.58	30.23	307.77	95.1	604	11.8	2.0	47	1.74	30.1	0.6	0.3	0.4	20.7	0.13	2.19	0.21	50	<0.01	0.054
3198086	Soil	5.28	41.29	331.44	72.9	841	7.9	1.2	31	2.13	37.5	0.5	5.0	2.1	18.4	0.11	2.24	0.22	35	0.02	0.052
3198087	Soil	9.28	141.44	369.24	130.2	777	22.9	5.5	158	5.22	98.3	1.0	2.1	3.1	80.9	0.09	5.54	0.52	51	<0.01	0.135
3198088	Soil	5.88	74.54	89.92	110.9	779	31.3	8.2	334	3.91	36.3	1.1	0.9	1.0	6.5	0.30	2.53	0.32	53	<0.01	0.064
3198089	Soil	2.18	11.75	3.47	21.1	342	3.1	0.9	43	0.83	16.8	0.3	12.7	0.5	3.0	0.04	1.39	0.05	16	<0.01	0.025
3198090	Soil	8.42	51.23	40.55	295.7	222	27.8	4.3	120	2.71	32.7	0.7	1.1	0.6	22.7	0.32	3.21	0.24	65	<0.01	0.053



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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
		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
3198061	Soil	34.2	16.2	0.13	149.3	0.003	<20	0.96	0.002	0.09	0.1	1.7	0.21	<0.02	112	1.3	0.07	2.8
3198062	Soil	37.8	16.0	0.16	158.6	0.003	<20	0.90	<0.001	0.09	0.1	1.7	0.19	<0.02	111	1.5	0.08	2.5
3198063	Soil	37.2	15.7	0.18	140.2	0.003	<20	0.86	0.001	0.09	0.2	1.6	0.18	<0.02	63	1.0	0.04	2.6
3198064	Soil	21.7	16.5	0.12	266.4	0.004	<20	0.94	0.003	0.14	0.3	1.3	0.32	0.02	125	1.1	0.08	3.4
3198065	Soil	14.9	19.3	0.17	611.5	0.002	<20	1.33	0.005	0.21	0.2	0.4	0.43	0.06	231	2.9	0.06	3.4
3198066	Soil	13.4	12.3	0.07	355.5	0.008	<20	0.59	0.006	0.09	<0.1	1.7	0.27	0.07	176	3.2	0.07	1.5
3198067	Soil	18.8	9.9	0.08	1103.5	0.004	<20	0.53	0.003	0.09	0.1	1.3	0.32	0.05	109	1.4	0.05	1.8
3198068	Soil	22.3	10.5	0.05	2253.8	0.003	<20	0.42	0.002	0.08	<0.1	1.0	0.24	0.06	80	1.0	0.06	1.6
3198069	Soil	24.4	12.3	0.05	3539.0	0.003	<20	0.52	<0.001	0.09	0.1	1.1	0.31	0.09	161	1.6	0.09	2.0
3198070	Soil	24.5	16.1	0.10	3033.6	0.003	<20	0.81	0.002	0.15	<0.1	2.5	0.39	0.09	312	2.0	0.09	2.2
3198071	Soil	22.1	6.3	0.02	3665.3	0.005	<20	0.35	0.003	0.04	0.1	0.8	0.19	0.09	52	1.0	0.06	2.3
3198072	Soil	24.7	8.5	0.03	3918.4	0.004	<20	0.42	<0.001	0.06	0.1	1.3	0.24	0.10	81	1.2	0.06	1.7
3198073	Soil	23.6	4.0	<0.01	3656.6	0.003	<20	0.22	0.015	0.03	<0.1	0.2	0.17	0.09	96	<0.1	<0.02	1.6
3198074	Soil	20.2	12.6	0.03	1847.5	0.010	<20	0.65	<0.001	0.05	0.2	1.1	0.21	0.06	35	1.3	0.09	4.6
3198075	Soil	20.8	11.4	0.05	3769.7	0.006	<20	0.54	0.003	0.04	0.3	1.1	0.17	0.10	40	1.5	0.07	2.3
3198076	Soil	27.7	28.0	0.10	229.0	0.007	<20	1.06	<0.001	0.07	0.2	2.0	0.29	0.04	111	3.4	0.12	2.8
3198077	Soil	26.7	17.7	0.10	3898.6	0.004	<20	0.86	<0.001	0.07	<0.1	2.0	0.27	0.11	342	3.2	0.08	1.7
3198078	Soil	26.0	20.4	0.04	804.5	0.010	<20	0.83	<0.001	0.06	0.1	1.6	0.24	0.04	89	2.6	0.11	4.4
3198079	Soil	27.3	23.5	0.10	225.9	0.006	<20	0.94	<0.001	0.08	<0.1	2.0	0.28	0.03	149	3.1	0.12	3.0
3198080	Rock Pulp	15.8	28.6	0.46	51.3	0.078	<20	0.77	0.076	0.11	<0.1	2.5	0.06	<0.02	12	<0.1	<0.02	2.6
3198081	Soil	23.8	19.6	0.02	328.4	0.004	<20	0.62	0.003	0.10	<0.1	1.6	0.59	0.13	161	3.8	0.12	2.8
3198082	Soil	26.7	17.0	0.03	243.1	0.007	<20	0.61	0.001	0.07	0.1	1.4	0.27	0.05	77	2.7	0.12	3.7
3198083	Soil	23.9	27.0	0.08	308.4	0.012	<20	1.05	0.002	0.06	0.1	1.9	0.26	0.05	91	3.5	0.09	4.6
3198084	Soil	30.9	21.4	0.10	395.5	0.005	<20	0.83	0.002	0.07	<0.1	1.9	0.21	0.06	158	3.5	0.08	2.3
3198085	Soil	32.8	9.3	0.01	336.5	0.008	<20	0.32	0.005	0.04	0.1	0.6	0.28	0.03	31	2.4	0.08	2.7
3198086	Soil	20.7	8.1	0.01	2656.2	0.008	<20	0.44	0.007	0.04	0.1	0.9	0.22	0.08	40	2.8	0.06	2.8
3198087	Soil	35.8	10.0	<0.01	651.7	0.007	<20	0.44	0.001	0.06	<0.1	1.5	0.22	0.04	26	5.3	0.17	2.7
3198088	Soil	32.8	9.7	0.02	87.3	0.010	<20	0.51	0.009	0.03	0.1	0.9	0.11	0.02	43	1.9	0.11	2.6
3198089	Soil	39.1	3.0	<0.01	34.4	0.003	<20	0.16	0.001	0.02	<0.1	0.4	0.07	<0.02	7	0.3	0.06	1.2
3198090	Soil	37.5	8.1	<0.01	79.6	0.007	<20	0.26	0.003	0.03	0.2	0.7	0.13	<0.02	14	1.9	0.10	2.1



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Project: MacMillan Pass

Report Date: June 27, 2018

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CERTIFICATE OF ANALYSIS

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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
3198091	Soil	4.98	9.44	13.58	41.2	87	9.9	1.1	20	0.52	9.0	0.4	6.3	<0.1	5.7	0.07	0.65	0.13	25	<0.01	0.026
3198092	Soil	20.32	103.24	169.33	247.3	425	58.9	6.8	296	3.74	80.1	2.1	1.1	0.2	34.9	0.76	4.97	0.51	73	0.02	0.155
3198093	Soil	2.25	14.34	14.50	21.9	400	3.7	0.6	15	0.44	4.0	0.6	2.5	<0.1	6.8	0.07	0.37	0.08	13	0.01	0.035
3198094	Soil	8.49	27.24	29.90	73.7	230	14.7	1.9	48	0.96	16.6	0.7	0.4	<0.1	9.3	0.15	1.04	0.17	30	<0.01	0.044
3198095	Soil	7.98	37.09	37.46	53.9	656	14.8	2.0	50	1.42	30.4	0.8	3.5	<0.1	11.6	0.09	0.97	0.26	37	<0.01	0.058
3198096	Soil	6.92	23.04	89.01	48.3	1994	14.9	2.0	41	1.50	35.3	0.8	1.5	<0.1	10.1	0.17	1.38	0.22	37	0.03	0.102
3198097	Soil	6.54	13.69	20.01	29.4	287	8.9	1.1	29	1.02	19.5	0.6	3.6	0.7	6.3	0.05	0.96	0.14	26	<0.01	0.039
3198098	Soil	10.25	28.07	117.70	111.4	399	19.7	2.8	64	1.76	39.6	0.6	1.5	0.4	12.4	0.14	2.31	0.26	48	<0.01	0.061
3198099	Soil	8.32	19.12	45.86	52.7	280	14.2	1.8	55	1.29	40.6	0.6	17.3	1.2	9.6	0.12	1.82	0.19	31	0.01	0.043
3198100	Soil	10.46	19.23	55.79	60.5	418	14.8	2.0	55	1.39	44.0	0.7	3.1	1.0	13.1	0.13	1.57	0.22	38	0.01	0.049
3198101	Soil	6.90	18.02	38.63	41.0	336	12.6	1.7	47	1.29	34.5	0.7	4.6	0.3	8.5	0.07	1.56	0.16	29	0.02	0.060
3198102	Soil	7.38	46.23	626.28	93.2	1243	9.6	1.4	33	1.34	36.1	0.9	3.6	0.9	25.9	0.16	2.37	0.22	33	0.01	0.069
3198103	Soil	4.19	18.00	253.83	49.0	872	5.9	0.8	21	1.00	15.6	0.8	3.8	<0.1	12.1	0.17	1.01	0.15	19	0.02	0.062
3198104	Soil	7.06	27.67	317.38	81.8	2887	11.2	1.4	28	1.13	21.7	1.1	3.1	<0.1	19.2	0.54	1.20	0.22	31	0.02	0.099
3198105	Soil	9.94	19.31	73.98	80.9	377	18.4	2.3	90	3.21	31.5	0.8	1.6	3.4	9.3	0.13	1.20	0.27	87	<0.01	0.129
3198106	Soil	8.67	61.39	80.91	260.9	485	33.9	6.1	131	2.28	53.1	2.2	3.3	6.1	28.6	1.66	2.86	0.24	31	0.13	0.130
3198107	Soil	9.60	54.28	89.50	126.1	579	32.4	4.1	115	2.66	34.3	1.3	3.8	5.2	18.9	0.42	2.58	0.22	37	0.09	0.122
3198108	Soil	9.43	37.05	56.37	267.3	889	53.5	5.5	209	1.55	20.8	15.0	2.4	0.9	46.2	1.60	2.75	0.16	41	0.65	0.228
3198109	Soil	10.09	83.71	34.08	569.4	759	57.8	15.9	1363	4.34	110.5	3.7	1.4	4.5	66.0	1.78	3.93	0.36	49	0.29	0.249
3198110	Soil	6.79	28.86	25.52	160.3	420	24.2	2.5	90	1.55	48.1	1.2	1.1	<0.1	32.5	0.74	2.07	0.26	29	0.10	0.136
3198111	Soil	8.30	56.37	37.43	246.4	685	30.6	4.8	118	3.30	94.4	2.4	4.0	3.3	28.7	0.26	2.26	0.38	40	0.10	0.169
3198112	Soil	9.52	61.80	32.88	270.9	863	27.9	3.6	74	3.55	101.4	2.9	3.4	2.4	31.9	0.18	2.54	0.34	45	0.09	0.179
3198113	Soil	7.82	73.86	25.72	2985.5	883	72.7	9.8	443	2.63	78.6	2.8	3.1	2.0	52.2	2.67	2.28	0.33	45	0.30	0.188
3198114	Soil	9.70	53.94	45.77	683.1	826	45.8	6.3	176	3.86	103.9	4.2	4.9	4.1	38.8	0.31	2.08	0.46	56	0.12	0.210
3198115	Soil	7.40	48.25	39.85	498.0	824	35.3	30.5	1349	2.76	77.8	1.8	3.4	2.1	26.7	0.84	1.68	0.35	38	0.10	0.128
3198116	Soil	4.47	68.83	34.47	1287.5	649	73.0	13.7	2375	1.66	33.0	1.7	3.2	1.5	31.5	7.69	1.91	0.24	21	0.25	0.165
3198117	Soil	5.45	43.27	27.53	190.0	360	33.5	6.2	155	2.78	76.8	1.6	1.6	1.9	21.7	1.16	1.70	0.33	28	0.06	0.092
3198118	Soil	3.27	29.59	31.66	108.0	2084	17.7	2.2	54	1.44	38.5	1.5	2.2	0.1	19.3	0.48	1.03	0.22	20	0.10	0.084
3198119	Soil	7.34	49.95	41.71	431.3	424	51.6	15.5	633	3.13	80.4	2.1	1.5	5.2	33.0	1.59	1.82	0.36	32	0.23	0.123
3198120	Rock Pulp	12.45	159.22	277.45	208.2	99	74.9	48.3	280	1.59	9.6	0.5	37.8	3.4	33.2	0.52	0.16	0.16	24	0.58	0.053



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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
3198091	Soil	23.3	5.1	0.01	54.4	0.005	<20	0.32	0.002	0.03	<0.1	0.3	0.24	<0.02	9	0.2	0.03	2.5
3198092	Soil	25.5	11.2	0.02	111.5	0.003	<20	0.40	0.002	0.05	0.1	0.5	0.38	0.04	30	4.8	0.19	2.1
3198093	Soil	12.7	3.3	0.01	57.7	0.004	<20	0.45	0.018	0.03	<0.1	0.2	0.18	<0.02	23	0.3	<0.02	2.4
3198094	Soil	22.6	5.4	0.01	73.9	0.004	<20	0.35	0.004	0.04	<0.1	0.4	0.25	<0.02	12	0.9	0.06	2.5
3198095	Soil	17.0	10.0	0.03	145.3	0.003	<20	0.67	0.009	0.06	0.1	0.3	0.34	0.02	37	1.4	0.06	3.2
3198096	Soil	10.3	13.1	0.03	173.3	0.002	<20	0.58	0.010	0.05	<0.1	0.3	0.19	0.04	50	1.2	0.06	2.9
3198097	Soil	20.9	5.7	0.02	95.6	0.003	<20	0.37	0.001	0.04	<0.1	0.6	0.20	<0.02	24	0.8	0.03	1.8
3198098	Soil	24.1	6.7	<0.01	249.5	0.005	<20	0.23	0.003	0.05	0.3	0.7	0.22	0.03	13	1.6	0.07	2.2
3198099	Soil	23.1	8.3	0.03	196.1	0.006	<20	0.32	0.002	0.06	0.1	0.8	0.24	0.03	33	1.1	0.09	1.7
3198100	Soil	23.4	9.2	0.03	252.7	0.006	<20	0.41	0.003	0.08	0.1	0.9	0.30	0.03	40	1.2	0.07	2.2
3198101	Soil	16.1	9.4	0.03	191.4	0.004	<20	0.41	0.007	0.08	<0.1	0.6	0.25	0.03	55	1.1	0.06	2.0
3198102	Soil	21.3	8.9	0.03	3318.9	0.005	<20	0.41	0.005	0.06	0.1	0.9	0.35	0.10	195	1.2	0.09	2.2
3198103	Soil	6.5	7.2	0.02	289.7	0.005	<20	0.50	0.018	0.05	0.1	0.3	0.24	0.03	176	0.8	0.02	2.1
3198104	Soil	10.2	11.8	0.03	472.5	0.003	<20	0.55	0.010	0.08	0.1	0.4	0.39	0.04	265	1.2	0.07	2.8
3198105	Soil	19.5	15.0	0.03	147.0	0.010	<20	0.83	0.002	0.05	0.2	1.3	0.26	<0.02	27	1.3	0.06	3.6
3198106	Soil	24.1	10.7	0.09	2133.1	0.005	<20	0.56	0.002	0.10	0.2	2.3	0.30	0.06	195	1.9	0.08	1.7
3198107	Soil	21.8	11.1	0.05	257.7	0.004	<20	0.50	<0.001	0.09	0.1	1.8	0.29	0.03	104	1.7	0.07	1.5
3198108	Soil	14.1	11.7	0.05	334.1	0.008	<20	0.59	0.007	0.06	<0.1	1.6	0.31	0.05	185	3.8	0.06	1.7
3198109	Soil	24.2	13.8	0.10	749.9	0.006	<20	0.78	0.002	0.13	0.4	2.2	0.43	0.04	205	2.9	0.04	2.0
3198110	Soil	18.5	6.7	0.03	156.8	0.003	<20	0.31	0.004	0.05	0.2	0.3	0.26	<0.02	37	0.9	0.06	1.9
3198111	Soil	24.7	15.9	0.13	167.3	0.004	<20	0.91	0.003	0.10	0.2	1.8	0.54	0.02	180	2.2	0.07	2.7
3198112	Soil	21.9	14.1	0.10	195.9	0.004	<20	0.89	0.004	0.11	0.2	1.6	0.65	0.03	214	3.1	0.06	2.4
3198113	Soil	19.3	15.7	0.11	374.2	0.006	<20	1.12	0.008	0.15	0.2	1.8	0.43	0.03	222	1.7	0.06	2.7
3198114	Soil	21.0	18.9	0.12	644.9	0.005	<20	0.97	0.004	0.16	0.2	2.4	0.75	0.04	331	2.2	0.08	3.1
3198115	Soil	18.1	16.3	0.12	240.3	0.003	<20	1.06	0.005	0.12	0.2	1.5	0.41	0.03	185	1.5	0.09	2.7
3198116	Soil	11.7	15.9	0.11	367.8	0.004	<20	0.77	0.004	0.11	0.2	1.3	0.25	0.10	182	2.7	0.04	1.8
3198117	Soil	24.2	16.0	0.18	185.6	0.002	<20	0.85	0.003	0.08	0.2	1.1	0.20	<0.02	91	1.7	0.06	2.7
3198118	Soil	5.7	9.0	0.04	202.4	0.003	<20	0.69	0.017	0.09	0.1	0.4	0.19	0.04	157	1.9	<0.02	2.5
3198119	Soil	24.2	21.2	0.22	264.1	0.003	<20	1.00	0.005	0.12	0.3	2.2	0.27	0.03	168	2.2	0.05	2.8
3198120	Rock Pulp	26.1	32.1	0.48	63.2	0.077	<20	0.82	0.084	0.12	<0.1	3.0	0.08	0.04	12	<0.1	<0.02	2.8



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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
3198121	Soil	5.73	45.05	33.20	305.0	922	49.3	10.8	556	3.07	89.7	2.3	2.4	2.4	36.5	1.92	1.23	0.38	37	0.36	0.106
3198122	Soil	12.56	48.84	34.11	220.6	461	43.3	6.2	356	2.20	40.9	3.7	3.1	0.3	26.7	0.85	2.48	0.26	48	0.12	0.142
3198123	Soil	13.42	59.59	32.11	311.1	376	53.6	9.3	372	2.69	47.4	3.6	2.4	2.5	41.7	1.19	3.95	0.24	47	0.16	0.126
3198501	Soil	6.22	44.73	45.54	100.1	1266	22.8	4.5	133	2.65	55.3	0.6	1.7	1.2	20.0	0.78	6.20	0.27	37	<0.01	0.063
3198502	Soil	8.41	84.53	76.32	91.5	365	33.7	6.6	247	5.04	404.5	1.2	50.4	2.1	19.8	1.61	5.34	0.47	46	<0.01	0.091
3198503	Soil	7.54	78.24	62.78	77.9	422	29.8	5.7	203	4.24	425.4	1.0	72.7	0.9	16.3	1.50	5.11	0.41	44	<0.01	0.084
3198504	Soil	6.16	39.51	53.37	73.4	1527	21.7	3.8	318	4.45	57.1	0.7	0.6	1.2	9.4	0.17	2.82	0.29	54	<0.01	0.076
3198505	Soil	7.51	43.42	30.54	88.1	869	19.5	3.6	100	2.33	55.9	0.7	1.6	1.9	7.4	0.23	3.26	0.27	61	<0.01	0.044
3198506	Soil	4.72	38.19	32.32	75.5	356	20.9	4.3	150	2.91	58.8	0.9	3.6	3.8	11.0	0.18	1.92	0.24	26	<0.01	0.060
3198507	Soil	4.30	42.33	27.18	82.1	260	24.4	6.0	211	2.79	58.5	1.0	3.5	4.7	10.8	0.25	2.05	0.21	24	0.01	0.056
3198508	Soil	4.88	33.53	32.27	71.8	254	19.2	4.1	141	2.92	63.4	0.8	2.8	1.9	11.2	0.16	2.08	0.24	27	<0.01	0.065
3198509	Soil	1.47	12.14	12.74	12.5	591	3.8	1.0	33	0.73	11.1	0.5	1.1	<0.1	6.0	0.07	0.43	0.10	11	0.01	0.038
3198510	Soil	6.76	37.04	49.93	91.7	197	23.3	4.5	138	3.29	85.8	0.8	9.2	1.3	13.4	0.15	2.04	0.30	40	<0.01	0.100
3198511	Soil	5.08	39.37	37.27	92.8	201	23.8	4.5	158	2.85	63.0	0.9	2.1	2.7	12.7	0.18	2.17	0.22	26	0.02	0.081
3198512	Soil	7.39	36.41	41.25	95.3	498	24.1	4.3	128	3.21	71.6	1.1	1.4	7.1	14.7	0.15	1.84	0.30	38	<0.01	0.107
3198513	Soil	7.50	47.29	39.48	117.3	357	30.8	5.7	166	3.05	72.9	1.5	2.0	8.1	18.1	0.27	2.05	0.28	33	0.02	0.091
3198514	Soil	7.32	45.04	43.75	108.3	425	29.4	5.3	158	3.25	79.8	1.2	2.7	7.1	19.9	0.22	1.84	0.29	37	0.04	0.115
3198515	Soil	7.12	45.55	39.02	106.5	413	27.9	5.4	163	3.02	74.7	1.3	2.6	6.0	21.0	0.25	2.10	0.26	33	0.07	0.116
3198516	Soil	5.52	38.29	33.27	87.5	172	21.8	4.9	166	2.53	63.0	1.2	2.4	6.2	18.3	0.21	2.36	0.22	25	0.06	0.083
3198517	Soil	5.86	35.79	36.95	87.8	191	21.7	4.4	143	2.59	64.7	1.0	2.6	5.8	14.4	0.15	2.09	0.25	28	0.03	0.078
3198518	Soil	5.47	34.56	39.16	89.0	169	20.4	3.9	126	2.53	59.2	1.2	2.3	6.4	16.8	0.18	2.24	0.22	26	0.06	0.080
3198519	Soil	5.87	32.32	45.30	88.9	243	19.3	3.9	117	2.61	61.2	1.0	1.5	6.7	15.6	0.14	1.80	0.26	31	0.03	0.083
3198520	Soil	6.01	36.64	40.77	91.0	156	21.4	4.7	151	2.61	60.7	1.1	2.2	6.6	16.2	0.19	2.51	0.24	27	0.05	0.078
3198521	Soil	7.30	41.68	98.24	144.3	405	26.2	4.9	135	3.24	60.7	1.2	3.2	5.3	18.3	0.25	2.12	0.29	44	0.02	0.081
3198522	Soil	10.21	82.63	111.20	267.5	403	52.6	11.4	286	3.32	67.5	2.9	4.9	6.4	29.3	0.57	3.28	0.34	44	0.12	0.124
3198523	Soil	5.43	39.74	68.03	126.0	325	22.7	4.2	124	2.91	61.3	1.1	58.0	6.0	14.7	0.26	1.92	0.27	32	0.02	0.075
3198524	Soil	6.45	50.14	84.25	152.9	193	28.3	5.3	160	3.11	76.6	1.6	3.5	9.0	20.9	0.42	2.92	0.30	29	0.07	0.096
3198525	Soil	6.13	62.99	113.56	228.4	721	37.7	7.3	172	3.36	70.8	1.5	5.0	7.5	20.3	0.39	2.33	0.30	34	0.01	0.069
3198526	Soil	6.22	66.10	115.31	235.2	489	38.2	9.2	202	3.17	73.7	1.7	3.5	8.6	21.2	0.51	2.01	0.30	33	0.03	0.082
3198527	Soil	7.36	42.59	107.69	130.2	356	21.7	3.3	112	3.37	55.8	0.9	1.5	3.6	31.0	0.19	1.97	0.32	56	0.01	0.099



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Project: MacMillan Pass

Report Date: June 27, 2018

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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
		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
3198121	Soil	13.2	15.8	0.16	528.7	0.003	<20	1.19	0.013	0.14	0.2	2.0	0.28	0.05	245	5.2	0.04	3.1
3198122	Soil	12.9	14.5	0.13	2533.3	0.004	<20	0.95	0.007	0.07	0.2	0.6	0.34	0.10	200	2.6	0.05	2.8
3198123	Soil	18.0	13.8	0.16	3565.8	0.009	<20	0.78	0.004	0.07	0.2	1.6	0.27	0.10	168	2.2	0.06	1.9
3198501	Soil	36.1	9.6	<0.01	122.3	0.005	<20	0.19	<0.001	0.03	0.2	0.7	0.11	0.03	28	1.5	0.12	1.5
3198502	Soil	31.1	13.3	0.01	208.9	0.009	<20	0.33	0.002	0.04	0.2	1.4	0.16	0.05	35	3.5	0.15	2.0
3198503	Soil	27.2	9.9	<0.01	99.8	0.006	<20	0.35	0.003	0.03	0.2	0.8	0.10	0.04	31	3.0	0.13	2.0
3198504	Soil	15.2	11.8	0.03	85.6	0.007	<20	0.36	<0.001	0.03	0.1	1.2	0.14	0.02	66	2.6	0.09	2.5
3198505	Soil	35.0	8.7	<0.01	77.9	0.006	<20	0.23	<0.001	0.02	0.2	0.9	0.09	<0.02	67	1.4	0.11	2.3
3198506	Soil	26.3	9.1	0.09	95.7	0.003	<20	0.60	0.002	0.05	0.1	1.4	0.12	<0.02	63	1.8	0.07	1.9
3198507	Soil	30.3	8.9	0.10	85.8	0.002	<20	0.55	0.001	0.05	0.1	1.6	0.11	<0.02	51	1.6	0.06	1.6
3198508	Soil	26.5	8.8	0.08	68.4	0.003	<20	0.49	<0.001	0.04	0.2	1.1	0.11	0.02	48	1.8	0.06	1.8
3198509	Soil	9.6	4.4	0.02	42.8	0.004	<20	0.52	0.016	0.03	<0.1	0.2	0.10	<0.02	47	0.4	<0.02	2.4
3198510	Soil	27.4	10.4	0.06	95.8	0.003	<20	0.51	<0.001	0.06	0.2	1.0	0.15	0.03	31	1.7	0.09	2.3
3198511	Soil	27.7	9.5	0.08	82.1	0.002	<20	0.49	<0.001	0.05	0.1	1.2	0.11	0.02	34	1.4	0.06	1.6
3198512	Soil	26.8	12.0	0.06	107.9	0.003	<20	0.70	0.001	0.05	0.2	1.6	0.17	0.02	51	1.6	0.09	2.3
3198513	Soil	28.9	12.3	0.11	136.7	0.002	<20	0.72	0.001	0.07	0.1	2.0	0.19	0.02	72	1.7	0.10	1.9
3198514	Soil	28.2	12.1	0.10	129.7	0.003	<20	0.75	0.002	0.07	0.1	1.9	0.18	0.03	47	1.7	0.08	2.3
3198515	Soil	32.3	11.4	0.11	118.3	0.003	<20	0.69	0.001	0.06	0.2	1.7	0.16	0.02	65	1.8	0.08	2.0
3198516	Soil	37.1	9.1	0.11	82.9	0.003	<20	0.51	<0.001	0.04	0.1	1.5	0.11	<0.02	67	1.7	0.07	1.5
3198517	Soil	30.3	10.0	0.10	90.6	0.003	<20	0.53	0.001	0.05	0.1	1.5	0.13	<0.02	60	1.4	0.06	1.9
3198518	Soil	36.6	9.0	0.10	91.7	0.003	<20	0.54	<0.001	0.05	0.1	1.5	0.12	<0.02	68	1.5	0.06	1.6
3198519	Soil	34.2	9.1	0.08	94.8	0.004	<20	0.58	0.002	0.05	0.1	1.5	0.13	<0.02	41	1.3	0.07	2.0
3198520	Soil	36.4	8.8	0.09	77.1	0.004	<20	0.47	<0.001	0.04	0.1	1.5	0.11	<0.02	71	1.6	0.08	1.5
3198521	Soil	21.8	14.5	0.10	144.5	0.007	<20	0.81	0.001	0.06	0.2	1.7	0.24	0.03	72	1.9	0.08	2.7
3198522	Soil	25.7	17.3	0.18	272.1	0.009	<20	1.01	0.002	0.10	0.2	2.5	0.31	0.03	241	2.8	0.09	2.4
3198523	Soil	29.0	11.5	0.10	106.8	0.004	<20	0.63	0.002	0.06	0.1	1.6	0.14	<0.02	65	1.4	0.04	2.0
3198524	Soil	45.2	11.8	0.13	101.4	0.003	<20	0.60	0.001	0.05	0.1	1.8	0.13	<0.02	88	1.6	0.05	1.8
3198525	Soil	30.7	17.3	0.14	175.5	0.003	<20	1.02	0.002	0.07	0.1	2.1	0.23	0.02	210	2.4	0.08	2.1
3198526	Soil	33.3	16.0	0.16	192.2	0.002	<20	0.95	0.002	0.08	0.1	2.4	0.24	0.02	274	2.2	0.06	2.2
3198527	Soil	24.8	16.7	0.08	151.4	0.008	<20	0.77	0.002	0.07	0.2	1.4	0.25	0.03	65	2.0	0.08	3.5



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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
3198528	Soil	7.65	48.97	124.87	139.9	425	23.4	3.4	116	3.55	62.4	1.0	2.6	4.1	34.2	0.19	2.03	0.36	56	0.01	0.111
3198529	Soil	8.82	69.94	115.05	155.7	1076	16.3	2.0	56	4.95	73.7	0.7	2.7	1.8	32.4	0.19	4.51	0.42	85	0.03	0.117
3198530	Soil	8.34	58.76	93.24	155.5	792	15.6	2.1	56	3.61	66.9	0.7	2.9	1.5	32.8	0.21	4.45	0.36	79	0.05	0.108
3198531	Soil	31.15	297.58	190.52	417.9	1767	40.2	3.6	73	12.30	109.9	1.6	2.3	5.2	46.2	0.29	4.34	0.46	79	0.01	0.274
3198532	Soil	0.34	3.24	6.73	6.8	1114	1.2	0.6	11	0.30	1.9	0.2	<0.2	<0.1	5.8	0.02	0.14	0.02	9	0.02	0.014
3198533	Soil	4.41	16.17	23.11	45.9	674	7.1	1.5	37	1.17	20.3	0.4	0.5	1.0	9.5	0.06	1.13	0.13	30	<0.01	0.029
3198534	Soil	7.17	42.42	84.75	127.8	492	25.9	4.4	130	3.39	76.6	0.9	3.9	4.7	17.6	0.27	1.87	0.28	39	<0.01	0.094
3198535	Soil	5.74	59.20	54.30	136.6	231	26.0	5.2	157	2.93	66.7	1.5	10.0	8.2	19.2	0.60	2.26	0.25	27	0.06	0.093
3198536	Soil	6.40	58.48	135.42	117.8	665	26.2	4.0	107	2.93	64.0	1.1	2.8	3.8	18.5	0.25	2.26	0.27	34	0.01	0.089
3198537	Soil	5.33	56.12	47.56	124.3	240	24.7	5.2	159	2.87	62.6	1.3	4.6	7.5	17.7	0.57	1.95	0.24	26	0.06	0.083
3198538	Soil	6.10	48.32	77.86	126.2	226	23.3	4.3	137	2.74	58.7	1.2	3.4	6.2	17.6	0.44	2.03	0.23	28	0.05	0.088
3198539	Soil	5.56	50.38	68.03	136.3	219	23.2	5.2	169	2.55	58.1	1.4	3.7	6.7	18.6	0.60	2.25	0.23	25	0.08	0.087
3198540	Soil	6.65	58.59	120.15	182.8	458	30.8	6.7	231	3.01	77.7	1.7	5.1	6.4	24.0	0.67	2.20	0.31	34	0.08	0.106
3198541	Soil	6.46	56.85	120.87	180.2	434	30.6	7.2	233	3.02	78.4	1.6	4.1	6.4	23.5	0.66	1.99	0.29	34	0.08	0.103
3198542	Soil	6.59	79.88	93.19	240.2	650	35.8	5.9	163	2.95	79.8	1.6	5.5	5.0	25.6	2.42	2.03	0.29	31	0.08	0.098
3198543	Soil	5.61	72.92	80.07	201.7	434	32.4	5.6	161	2.69	72.3	1.5	4.2	3.7	23.2	1.42	1.85	0.27	28	0.08	0.092
3198544	Soil	5.95	43.80	114.58	145.0	470	23.4	4.1	135	2.63	69.3	1.2	7.0	4.7	20.9	0.51	2.27	0.25	28	0.07	0.097
3198545	Soil	6.19	49.52	99.17	156.8	415	26.3	4.0	118	2.58	67.5	1.2	4.6	3.9	21.0	0.65	2.03	0.26	28	0.07	0.094
3198546	Rock Pulp	0.68	24.67	2.07	21.0	24	17.8	5.7	262	1.40	0.7	0.4	3.1	2.9	29.9	0.03	0.05	0.02	21	0.60	0.056
3198547	Soil	5.35	45.21	85.61	153.3	379	23.7	5.1	145	2.50	67.3	1.3	5.0	3.2	18.8	0.87	2.10	0.25	26	0.08	0.092
3198548	Soil	5.16	37.05	88.12	141.4	505	21.4	4.0	118	2.21	60.4	1.1	3.8	2.8	18.5	0.66	1.89	0.24	24	0.07	0.088
3198549	Soil	4.85	36.42	94.56	134.7	293	19.9	3.4	106	2.26	60.2	1.1	4.8	3.9	18.6	0.47	2.01	0.23	23	0.09	0.090
3198550	Soil	5.59	38.51	100.95	144.1	314	22.1	4.2	133	2.47	65.7	1.3	4.0	5.1	18.3	0.55	1.86	0.25	27	0.08	0.091
3198551	Soil	5.60	30.75	88.97	157.5	572	25.2	3.7	120	2.45	75.4	0.9	5.0	3.0	19.2	0.61	1.37	0.30	30	0.06	0.091
3198552	Soil	5.43	24.00	93.06	168.3	316	21.7	3.1	84	1.80	47.1	0.8	1.9	2.2	19.7	0.70	0.99	0.26	27	0.06	0.060
3198553	Soil	5.36	34.30	89.69	255.7	342	28.7	4.2	126	2.30	64.2	1.1	3.6	2.4	22.7	1.03	1.24	0.30	29	0.09	0.089
3198554	Soil	6.18	45.42	127.54	178.9	326	25.1	4.1	120	2.53	68.4	1.3	19.1	3.6	18.9	0.82	2.24	0.28	28	0.06	0.091
3198555	Soil	4.76	33.33	112.49	146.6	364	18.2	3.2	97	2.13	52.5	1.0	4.6	2.2	16.4	0.46	1.81	0.20	22	0.05	0.067
3198556	Soil	4.00	21.82	74.37	170.4	403	18.1	2.9	92	1.82	44.1	0.9	22.1	3.3	18.4	0.48	1.17	0.21	22	0.10	0.076
3198557	Soil	6.36	47.88	189.52	205.5	612	23.2	6.1	253	2.57	67.1	1.4	4.8	2.4	22.8	0.73	1.99	0.29	29	0.07	0.103



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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
3198528	Soil	25.8	17.6	0.09	161.6	0.007	<20	0.81	0.002	0.07	0.2	1.7	0.28	0.03	80	2.2	0.09	3.6
3198529	Soil	19.3	18.6	0.03	121.1	0.006	<20	0.62	0.002	0.05	0.2	1.2	0.22	0.06	128	6.0	0.19	5.5
3198530	Soil	22.1	14.7	0.03	114.5	0.006	<20	0.46	0.002	0.05	0.1	0.9	0.18	0.06	105	4.6	0.15	3.8
3198531	Soil	18.7	36.9	0.02	128.3	0.007	<20	0.98	0.003	0.07	0.2	2.5	0.45	0.05	111	9.8	0.18	6.1
3198532	Soil	1.6	1.6	0.01	19.2	0.012	<20	0.16	0.022	0.02	<0.1	0.2	0.03	<0.02	33	<0.1	<0.02	0.9
3198533	Soil	23.7	4.3	0.01	55.5	0.010	<20	0.26	0.011	0.03	0.1	0.5	0.10	<0.02	32	0.5	0.04	2.0
3198534	Soil	30.4	13.2	0.07	114.1	0.003	<20	0.62	0.003	0.06	0.1	1.7	0.19	0.03	34	2.1	0.07	2.3
3198535	Soil	41.5	11.0	0.14	131.0	0.003	<20	0.63	0.003	0.06	0.1	2.1	0.15	0.02	66	1.9	0.06	2.0
3198536	Soil	25.9	11.2	0.07	134.0	0.004	<20	0.59	0.005	0.06	0.2	1.5	0.19	0.03	116	1.6	0.08	2.2
3198537	Soil	35.9	10.7	0.13	138.3	0.002	<20	0.65	0.003	0.06	0.1	1.8	0.14	0.02	65	1.7	0.05	1.8
3198538	Soil	33.4	10.3	0.10	143.4	0.003	<20	0.57	0.003	0.05	0.1	1.6	0.14	0.02	83	1.8	0.06	1.7
3198539	Soil	34.3	9.7	0.10	156.9	0.003	<20	0.52	0.003	0.05	0.1	1.8	0.14	<0.02	132	1.7	0.07	1.5
3198540	Soil	34.5	14.9	0.13	466.3	0.004	<20	0.76	0.005	0.10	0.2	2.4	0.23	0.03	242	1.6	0.07	2.1
3198541	Soil	32.8	14.3	0.12	439.6	0.004	<20	0.76	0.006	0.10	0.2	2.2	0.22	0.03	248	1.7	0.06	2.2
3198542	Soil	33.5	13.4	0.14	233.6	0.003	<20	0.78	0.006	0.09	0.2	2.0	0.19	0.02	183	2.0	0.07	2.4
3198543	Soil	28.9	12.5	0.13	188.1	0.003	<20	0.73	0.008	0.09	0.1	1.8	0.18	0.02	155	1.6	0.06	2.2
3198544	Soil	33.0	12.0	0.10	244.7	0.004	<20	0.57	0.005	0.07	0.5	1.6	0.17	0.02	135	1.7	0.07	2.0
3198545	Soil	28.9	12.5	0.11	190.5	0.003	<20	0.64	0.006	0.08	0.4	1.6	0.16	0.02	106	1.5	0.06	2.1
3198546	Rock Pulp	17.0	28.8	0.45	54.9	0.077	<20	0.74	0.072	0.11	<0.1	2.8	0.06	<0.02	9	<0.1	<0.02	2.6
3198547	Soil	30.8	10.3	0.11	166.9	0.003	<20	0.61	0.006	0.07	0.2	1.5	0.15	0.02	127	1.1	0.06	2.0
3198548	Soil	27.0	10.1	0.10	173.7	0.003	<20	0.56	0.007	0.07	0.2	1.2	0.15	<0.02	157	1.1	0.06	2.0
3198549	Soil	25.4	10.0	0.09	134.8	0.004	<20	0.60	0.007	0.06	0.1	1.5	0.13	<0.02	150	1.2	0.05	1.9
3198550	Soil	34.7	11.5	0.11	210.1	0.004	<20	0.63	0.006	0.07	0.1	1.6	0.16	<0.02	145	1.2	0.06	1.9
3198551	Soil	19.6	15.1	0.11	300.4	0.004	<20	0.80	0.009	0.11	0.2	1.5	0.20	0.02	117	1.2	0.06	3.2
3198552	Soil	19.8	14.3	0.08	312.1	0.003	<20	0.65	0.009	0.10	1.0	1.3	0.18	0.02	72	0.9	0.06	2.7
3198553	Soil	22.2	15.2	0.12	321.0	0.003	<20	0.83	0.008	0.12	0.9	1.5	0.19	0.02	179	1.6	0.05	3.0
3198554	Soil	29.1	12.8	0.10	173.9	0.004	<20	0.57	0.008	0.07	0.3	1.7	0.17	0.02	134	1.4	0.05	2.2
3198555	Soil	20.5	9.3	0.07	144.8	0.006	22	0.59	0.009	0.07	0.1	1.2	0.14	<0.02	190	1.4	0.08	2.2
3198556	Soil	22.4	9.3	0.09	206.1	0.004	23	0.65	0.006	0.07	0.2	1.3	0.14	<0.02	145	1.3	0.05	2.1
3198557	Soil	24.6	12.0	0.10	745.8	0.004	<20	0.71	0.008	0.10	0.2	1.7	0.23	0.03	263	2.0	0.08	2.4



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Project:

MacMillan Pass

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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
3198558	Soil	6.10	43.97	182.45	186.6	594	21.4	5.6	228	2.31	58.2	1.3	4.7	2.1	20.9	0.61	1.97	0.29	26	0.06	0.087
3198559	Soil	5.61	65.26	263.98	703.8	1200	43.3	7.3	353	2.35	44.8	2.3	5.6	1.0	45.2	2.90	2.13	0.29	26	0.39	0.125
3198560	Soil	5.87	44.95	219.46	270.5	633	22.9	6.0	286	2.33	55.1	1.2	8.1	1.3	24.3	0.79	1.69	0.30	28	0.08	0.088
3198561	Soil	6.53	51.71	270.34	252.3	893	23.2	5.3	232	2.48	58.9	1.5	5.9	1.0	24.9	0.72	1.91	0.31	30	0.07	0.101
3198562	Soil	3.00	16.50	270.69	88.7	600	7.5	1.0	44	0.75	13.4	0.5	1.9	0.1	14.5	0.65	0.89	0.14	14	0.05	0.063
3198563	Soil	5.96	61.54	425.98	517.1	653	27.3	6.9	355	2.41	52.8	1.7	10.4	2.2	25.4	5.57	2.26	0.28	28	0.11	0.097
3198564	Soil	5.52	57.91	377.38	490.7	657	26.9	5.9	286	2.26	50.9	1.6	4.4	2.2	24.5	4.68	2.23	0.26	26	0.11	0.091
3198565	Soil	4.27	30.58	337.98	137.2	638	11.0	1.8	66	1.52	32.3	0.9	3.6	0.9	17.0	1.17	1.85	0.17	18	0.04	0.066
3198566	Soil	4.06	28.89	322.12	142.4	873	11.3	1.8	66	1.53	32.7	0.9	4.4	0.5	16.1	1.22	1.97	0.19	18	0.04	0.068
3198567	Soil	5.74	65.17	626.44	1241.5	1050	47.9	7.0	366	2.16	52.5	1.5	8.3	2.1	37.8	20.06	2.63	0.27	27	0.22	0.105
3198568	Soil	3.39	20.78	247.91	339.6	960	15.1	1.5	53	1.06	21.5	0.8	3.4	2.5	22.5	2.53	1.15	0.19	21	0.15	0.076
3198569	Soil	0.51	1.38	11.37	9.6	509	1.5	0.3	9	0.17	0.8	0.3	1.4	<0.1	4.3	0.09	0.12	<0.02	4	0.02	0.040
3198570	Soil	3.45	5.62	39.12	24.7	1031	3.8	0.8	29	0.62	14.5	0.8	0.9	<0.1	6.0	0.09	0.48	0.07	13	0.02	0.056
3198571	Soil	9.69	32.65	49.89	325.3	241	35.4	7.9	462	2.25	37.4	3.5	1.2	2.0	38.8	1.66	2.95	0.19	28	0.47	0.148
3198572	Soil	7.44	21.08	59.33	346.1	333	28.2	5.5	309	1.89	25.0	2.6	1.2	1.0	35.0	2.24	1.91	0.18	25	0.45	0.133
3198573	Soil	8.40	75.61	51.92	91.1	1204	21.0	3.4	149	3.61	52.0	1.3	1.7	1.0	9.5	0.66	4.27	0.37	47	0.02	0.087
3198574	Soil	8.81	80.02	55.97	107.9	1263	25.4	4.3	175	4.12	56.0	1.3	2.6	1.4	10.2	0.81	4.58	0.38	53	0.01	0.091
3198575	Soil	6.30	39.71	46.15	75.2	188	15.2	3.0	78	2.14	31.5	0.6	5.9	0.9	20.6	0.39	3.80	0.27	37	<0.01	0.048
3198576	Soil	6.44	70.15	124.16	48.6	461	13.3	2.6	106	3.63	32.5	1.2	3.2	2.9	123.3	0.81	6.68	0.51	23	<0.01	0.110
3198577	Soil	5.29	37.92	35.19	53.9	415	11.2	1.7	58	2.18	38.1	0.5	18.5	0.7	8.1	0.23	3.09	0.20	35	<0.01	0.054
3198578	Soil	6.77	83.21	114.03	88.9	684	20.7	2.8	114	4.46	81.3	1.1	10.3	1.9	19.8	0.60	5.10	0.34	39	<0.01	0.106
3198579	Soil	10.98	32.75	32.58	89.3	1428	22.0	2.4	56	1.60	36.3	0.7	2.8	0.4	10.5	0.15	2.38	0.23	35	<0.01	0.040
3198580	Rock Pulp	13.16	168.50	273.13	204.8	106	80.5	46.7	263	1.59	8.8	0.5	37.3	3.2	31.2	0.60	0.17	0.15	24	0.56	0.051
3198581	Soil	9.57	56.43	129.68	84.6	1460	18.7	2.1	77	2.84	65.5	1.0	2.8	0.6	35.5	0.24	4.52	0.62	34	<0.01	0.090
3198582	Soil	2.70	13.48	21.54	30.6	393	5.1	1.1	65	0.91	20.6	0.5	0.8	0.7	8.4	0.08	1.07	0.19	27	<0.01	0.022
3198583	Soil	9.15	54.52	177.35	169.6	1483	25.9	3.5	106	3.96	238.0	1.2	3.2	2.0	106.1	0.44	8.31	0.68	60	<0.01	0.127
3198584	Soil	4.89	22.56	100.86	42.4	938	4.1	0.8	56	0.92	10.9	0.5	3.6	1.3	31.9	0.11	4.30	0.29	15	<0.01	0.037
3198585	Soil	1.56	44.23	96.87	9.9	2096	1.9	0.4	14	0.44	5.4	0.4	1.1	<0.1	11.1	0.04	0.73	0.15	9	0.04	0.044
3198586	Soil	3.05	71.75	147.34	16.0	4151	3.1	0.6	31	1.20	11.7	0.6	3.1	<0.1	18.3	0.08	1.51	0.23	16	0.03	0.058
3198587	Soil	5.61	58.84	99.07	73.9	780	11.1	1.9	96	1.39	22.5	0.7	2.1	0.2	13.0	0.16	2.05	0.18	25	0.01	0.042



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		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
3198558	Soil	20.0	10.7	0.09	700.6	0.003	<20	0.64	0.003	0.08	0.2	1.3	0.21	0.04	243	1.8	0.05
3198559	Soil	11.4	14.6	0.11	1123.0	0.003	<20	0.86	0.004	0.13	2.2	1.3	0.27	0.08	356	2.4	0.06
3198560	Soil	17.4	11.3	0.09	459.5	0.003	<20	0.74	0.004	0.10	1.5	1.1	0.24	0.03	292	1.7	0.08
3198561	Soil	16.6	13.7	0.09	430.8	0.004	<20	0.83	0.005	0.10	0.2	1.1	0.27	0.03	371	2.4	0.07
3198562	Soil	11.3	7.4	0.03	219.7	0.002	<20	0.28	0.005	0.05	0.1	0.3	0.18	0.02	240	0.6	0.04
3198563	Soil	20.0	13.6	0.10	910.2	0.003	<20	0.78	0.004	0.09	0.2	1.5	0.37	0.04	790	2.6	0.06
3198564	Soil	19.7	12.0	0.10	1116.4	0.003	<20	0.70	0.003	0.08	0.2	1.5	0.33	0.04	701	2.2	0.08
3198565	Soil	15.9	6.5	0.03	1672.2	0.005	<20	0.40	0.006	0.04	0.1	0.6	0.17	0.05	434	1.5	0.06
3198566	Soil	13.2	7.4	0.04	556.1	0.006	<20	0.53	0.009	0.05	0.1	0.7	0.19	0.03	472	1.4	0.05
3198567	Soil	20.1	14.6	0.10	1361.4	0.004	<20	0.72	0.005	0.10	0.2	1.6	0.43	0.05	1111	2.8	0.07
3198568	Soil	20.1	8.6	0.09	392.6	0.005	<20	0.61	0.004	0.07	0.1	1.0	0.23	<0.02	557	1.0	0.05
3198569	Soil	0.9	2.1	<0.01	44.1	0.004	<20	0.10	0.018	0.02	<0.1	0.1	0.06	<0.02	35	<0.1	<0.02
3198570	Soil	4.3	3.6	0.02	97.4	0.004	<20	0.17	0.013	0.02	<0.1	0.2	0.20	<0.02	85	0.2	<0.02
3198571	Soil	14.4	10.0	0.12	1229.6	0.007	<20	0.46	0.002	0.05	0.1	1.3	0.36	0.05	106	1.9	0.07
3198572	Soil	12.2	9.4	0.11	1220.7	0.005	<20	0.46	0.003	0.05	0.2	0.9	0.43	0.05	119	1.7	0.07
3198573	Soil	23.7	11.6	0.01	102.3	0.006	<20	0.32	0.002	0.04	0.2	1.1	0.08	0.06	106	2.8	0.14
3198574	Soil	27.5	14.0	0.01	106.1	0.008	<20	0.31	0.001	0.04	0.2	1.2	0.09	0.06	98	3.5	0.15
3198575	Soil	29.5	7.5	<0.01	62.9	0.006	<20	0.20	<0.001	0.02	<0.1	0.8	0.08	0.02	11	2.0	0.12
3198576	Soil	33.9	7.3	<0.01	195.9	0.002	<20	0.21	<0.001	0.04	0.1	1.7	0.40	0.07	22	4.1	0.13
3198577	Soil	33.4	5.4	<0.01	51.6	0.006	<20	0.21	0.002	0.02	0.1	0.8	0.09	<0.02	15	2.2	0.11
3198578	Soil	29.1	8.2	<0.01	77.8	0.006	<20	0.24	0.002	0.03	0.1	2.2	0.13	0.04	14	5.6	0.12
3198579	Soil	23.1	7.2	0.01	61.6	0.006	<20	0.21	0.002	0.03	0.2	0.5	0.17	<0.02	30	1.3	0.09
3198580	Rock Pulp	27.1	31.9	0.48	60.8	0.078	<20	0.82	0.082	0.12	<0.1	2.9	0.09	0.04	24	<0.1	<0.02
3198581	Soil	27.2	9.1	0.01	172.1	0.006	<20	0.31	0.002	0.06	0.1	0.8	0.33	0.06	37	3.4	0.20
3198582	Soil	30.9	4.8	0.01	58.2	0.034	<20	0.23	<0.001	0.02	<0.1	0.4	0.13	<0.02	12	0.4	0.04
3198583	Soil	29.7	11.2	<0.01	241.9	0.012	<20	0.32	0.004	0.08	0.3	1.2	0.80	0.14	37	5.8	0.23
3198584	Soil	30.9	3.8	<0.01	150.9	0.002	<20	0.17	0.001	0.04	<0.1	0.6	0.32	0.04	31	1.2	0.09
3198585	Soil	6.6	2.7	0.01	51.8	0.007	<20	0.24	0.017	0.02	<0.1	0.3	0.20	<0.02	146	0.7	0.05
3198586	Soil	7.9	4.4	0.01	95.4	0.006	<20	0.35	0.018	0.03	<0.1	0.4	0.42	0.03	297	1.7	0.05
3198587	Soil	20.7	6.6	0.03	110.1	0.009	<20	0.30	0.007	0.04	<0.1	0.5	0.22	0.02	105	1.7	0.07



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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
3198588	Soil	1.13	37.27	52.10	11.3	1402	3.5	0.4	21	0.31	3.7	0.3	1.2	<0.1	7.7	0.07	0.46	0.06	7	0.03	0.032
3198589	Soil	0.16	1.54	3.15	2.6	1247	0.9	0.4	9	0.15	0.2	0.1	<0.2	<0.1	6.2	0.02	0.03	<0.02	5	0.02	0.022
3198590	Soil	0.18	3.42	4.63	2.1	1338	0.8	0.2	6	0.17	0.3	0.2	0.2	<0.1	6.2	0.03	0.05	<0.02	3	0.02	0.020
3198591	Soil	3.71	30.91	149.48	60.2	1610	11.3	1.7	62	1.55	26.4	0.6	2.4	0.2	15.9	0.17	1.62	0.15	21	0.02	0.059
3198592	Soil	5.29	59.03	274.20	106.7	1266	14.8	2.6	90	2.20	40.9	1.0	5.4	0.6	21.4	0.21	2.58	0.20	26	0.01	0.078
3198593	Soil	6.33	69.99	321.79	133.6	1296	19.4	3.2	116	2.60	49.2	1.3	5.0	1.1	26.7	0.31	2.82	0.24	29	0.01	0.090
3198594	Soil	4.30	29.04	202.36	80.0	1853	9.9	1.3	47	1.43	25.4	0.9	2.6	0.2	17.6	0.29	1.64	0.20	22	0.02	0.076
3198595	Soil	6.22	36.84	270.20	178.0	604	14.9	2.8	163	2.80	53.7	1.0	6.1	4.7	23.9	0.17	2.56	0.28	33	<0.01	0.087
3198596	Soil	5.94	40.33	286.61	181.5	436	15.8	3.6	236	3.17	55.8	1.2	5.5	3.7	25.1	0.15	2.44	0.28	34	<0.01	0.098
3198597	Soil	4.66	61.47	591.76	127.6	1279	10.6	2.0	81	1.87	46.4	1.1	4.8	1.6	24.1	0.20	2.56	0.22	24	0.02	0.074
3198598	Soil	4.29	52.20	542.07	108.7	1382	8.6	1.5	63	1.67	38.4	1.0	5.5	1.2	21.8	0.18	2.07	0.20	22	0.02	0.071
3198599	Soil	5.18	62.58	725.94	185.5	1432	12.6	2.5	99	2.28	57.8	1.3	5.4	5.3	26.3	0.45	3.82	0.24	26	<0.01	0.076
3198600	Soil	5.20	58.99	624.25	170.4	990	12.6	2.1	84	2.22	55.1	1.0	5.9	5.1	25.7	0.30	3.57	0.22	27	<0.01	0.070
3198601	Soil	4.52	56.91	623.44	200.4	1145	12.7	2.5	103	2.14	52.6	1.3	5.8	6.9	24.6	0.52	4.32	0.20	23	<0.01	0.064
3198602	Soil	4.31	40.09	294.86	147.9	658	11.7	1.9	78	1.96	38.6	0.8	2.8	2.8	18.9	0.21	2.82	0.17	24	<0.01	0.059
3198603	Soil	4.69	38.36	567.41	274.5	1527	13.4	2.5	86	1.33	28.3	0.9	4.0	0.6	27.4	0.34	1.49	0.20	23	0.05	0.077
3198604	Soil	6.00	55.94	808.51	343.1	1463	15.9	4.4	165	2.18	47.7	1.1	7.8	1.3	32.3	0.35	1.95	0.29	35	0.04	0.105
3198605	Soil	4.80	50.87	479.70	174.8	859	14.7	2.7	111	1.73	40.6	1.1	3.1	1.5	26.0	0.40	2.28	0.20	25	0.04	0.083
3198606	Soil	3.94	39.80	466.83	164.5	1031	11.2	2.5	96	1.30	28.6	1.0	3.0	0.5	23.4	0.35	1.49	0.18	22	0.04	0.081
3198607	Soil	8.18	22.01	81.19	353.1	393	25.8	7.5	530	2.30	34.2	4.0	0.6	1.3	32.2	1.97	2.21	0.19	28	0.33	0.191
3198608	Soil	3.07	27.14	57.26	588.6	585	80.5	6.4	593	1.71	28.7	12.4	1.0	1.0	52.7	2.31	1.84	0.18	36	1.22	0.292
3198609	Soil	8.77	58.31	41.43	493.6	1059	100.9	9.0	385	2.80	37.7	7.4	2.8	1.5	46.9	3.09	4.08	0.25	37	0.88	0.358
3198610	Soil	4.38	19.37	19.07	396.6	281	51.8	3.4	96	1.07	11.7	11.9	1.3	0.8	45.2	2.35	1.88	0.12	28	0.79	0.272
3198611	Soil	3.20	30.93	40.61	769.1	774	74.3	3.5	108	1.34	15.1	3.0	1.1	0.7	48.1	13.83	1.99	0.13	27	1.05	0.161
3198612	Soil	7.66	34.33	102.24	231.5	693	14.1	2.1	64	2.80	61.2	1.4	8.5	1.1	13.4	0.30	1.93	0.24	36	0.01	0.097
3198613	Soil	7.65	40.66	88.56	258.1	545	15.6	2.2	70	2.71	60.9	1.4	8.2	1.2	13.7	0.36	1.63	0.25	38	0.02	0.082
3198614	Soil	5.97	30.31	88.94	279.0	1957	10.2	1.4	38	3.57	48.2	1.2	6.7	0.5	9.5	0.63	1.71	0.22	35	0.01	0.120
3198615	Soil	6.69	29.80	95.68	322.9	1049	10.8	1.6	56	4.33	58.1	1.4	8.6	0.9	10.4	0.47	1.93	0.23	37	0.01	0.125
3198616	Soil	5.37	26.79	95.63	343.0	1419	8.2	1.1	32	4.48	34.5	1.3	5.0	1.1	11.9	0.55	1.58	0.20	28	0.02	0.130
3198617	Soil	5.67	29.08	104.29	360.9	1615	8.3	1.0	32	4.72	37.6	1.4	5.0	1.1	11.8	0.69	1.73	0.21	29	0.02	0.153



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Project: MacMillan Pass

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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
		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
3198588	Soil	5.1	2.4	0.01	50.5	0.005	<20	0.20	0.019	0.02	<0.1	0.3	0.13	<0.02	94	0.3	0.03	0.9
3198589	Soil	<0.5	1.6	0.01	10.6	0.006	<20	0.13	0.023	0.02	<0.1	0.1	<0.02	<0.02	25	<0.1	<0.02	0.6
3198590	Soil	0.9	1.3	<0.01	17.3	0.009	<20	0.31	0.028	0.02	<0.1	0.2	<0.02	<0.02	31	<0.1	<0.02	1.1
3198591	Soil	13.4	7.4	0.03	151.4	0.005	<20	0.32	0.009	0.05	0.1	0.5	0.15	0.04	181	1.3	0.04	1.7
3198592	Soil	19.1	10.0	0.04	404.2	0.004	<20	0.46	0.006	0.07	0.4	0.9	0.22	0.05	393	2.4	0.07	1.7
3198593	Soil	20.8	13.1	0.06	886.6	0.004	<20	0.52	0.004	0.08	0.1	1.3	0.26	0.07	538	2.6	0.08	1.9
3198594	Soil	15.1	8.2	0.03	1266.6	0.003	<20	0.38	0.009	0.05	0.4	0.5	0.18	0.06	249	1.6	0.04	1.9
3198595	Soil	34.6	11.0	0.06	1762.1	0.003	<20	0.44	0.002	0.06	0.1	1.3	0.27	0.06	187	3.1	0.08	2.2
3198596	Soil	31.2	11.8	0.07	1684.1	0.003	<20	0.50	0.002	0.07	0.2	1.5	0.29	0.06	284	3.7	0.07	2.1
3198597	Soil	22.9	7.5	0.04	2366.7	0.003	<20	0.45	0.007	0.07	0.4	1.1	0.25	0.09	809	2.3	0.05	1.9
3198598	Soil	19.7	6.9	0.04	2047.5	0.004	<20	0.47	0.009	0.06	0.4	0.9	0.23	0.07	753	2.0	0.05	2.1
3198599	Soil	32.4	8.2	0.06	2450.8	0.003	<20	0.41	0.002	0.06	0.1	1.6	0.30	0.09	1435	2.5	0.11	1.9
3198600	Soil	31.6	8.1	0.05	2843.6	0.003	<20	0.38	0.001	0.06	0.2	1.4	0.27	0.10	778	2.4	0.09	1.8
3198601	Soil	32.8	7.5	0.05	2763.7	0.002	<20	0.34	0.001	0.05	0.1	1.6	0.27	0.10	1496	2.4	0.08	1.4
3198602	Soil	21.0	8.0	0.04	2704.4	0.004	<20	0.32	0.004	0.04	0.2	1.0	0.16	0.09	199	2.2	0.07	1.6
3198603	Soil	16.4	10.8	0.04	2637.2	0.003	<20	0.45	0.008	0.08	0.2	0.7	0.39	0.08	620	1.4	0.05	2.1
3198604	Soil	21.1	13.4	0.06	2930.4	0.004	<20	0.67	0.006	0.10	0.2	1.2	0.62	0.08	900	2.2	0.06	2.6
3198605	Soil	19.3	10.2	0.05	2218.0	0.003	<20	0.44	0.008	0.08	0.4	1.2	0.29	0.08	390	1.9	0.07	1.8
3198606	Soil	15.2	10.5	0.04	2669.7	0.004	<20	0.48	0.012	0.08	0.3	0.8	0.35	0.08	503	1.3	0.03	1.9
3198607	Soil	14.3	9.5	0.10	1636.7	0.005	<20	0.55	0.004	0.06	0.1	1.2	0.54	0.06	175	1.6	0.05	1.6
3198608	Soil	13.6	12.3	0.08	617.8	0.006	<20	0.72	0.007	0.10	<0.1	1.7	0.27	0.05	174	2.4	0.06	2.1
3198609	Soil	15.0	10.9	0.05	296.2	0.009	<20	0.61	0.007	0.07	<0.1	2.4	0.27	0.03	178	2.7	0.09	1.7
3198610	Soil	9.8	7.5	0.05	148.4	0.008	<20	0.43	0.014	0.05	<0.1	1.2	0.24	0.04	77	1.4	0.04	1.5
3198611	Soil	8.2	10.3	0.10	547.4	0.007	<20	0.62	0.019	0.08	<0.1	1.5	0.27	0.05	182	2.0	0.05	1.8
3198612	Soil	16.8	10.8	0.04	1873.6	0.004	<20	0.57	0.005	0.08	0.2	1.2	0.53	0.06	226	2.4	0.08	2.5
3198613	Soil	16.8	10.9	0.05	1496.2	0.003	<20	0.68	0.005	0.09	0.1	1.4	0.56	0.05	186	2.2	0.07	2.6
3198614	Soil	11.4	10.0	0.03	247.3	0.004	<20	0.53	0.006	0.09	0.1	0.9	0.55	0.05	208	2.0	0.05	2.1
3198615	Soil	13.4	11.5	0.03	222.0	0.004	<20	0.57	0.005	0.09	0.1	1.1	0.62	0.04	203	2.6	0.05	2.6
3198616	Soil	14.6	8.7	0.03	2091.6	0.004	<20	0.45	0.006	0.07	0.1	1.0	0.68	0.07	184	2.5	<0.02	2.3
3198617	Soil	14.4	9.1	0.04	1748.2	0.005	<20	0.48	0.007	0.08	0.1	1.1	0.73	0.07	227	2.8	0.02	2.3



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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
3198618	Soil	5.08	20.25	111.65	416.6	1190	10.4	1.4	44	3.79	35.2	1.1	6.2	0.8	13.7	0.76	1.50	0.18	25	0.03	0.131
3198619	Soil	5.77	29.87	58.90	140.4	1547	13.9	1.6	48	1.35	36.6	1.1	4.6	0.8	13.3	0.53	1.46	0.19	28	0.05	0.090
3198620	Rock Pulp	0.65	24.25	2.25	22.4	28	17.1	5.7	265	1.48	0.8	0.5	<0.2	3.4	30.6	0.02	0.06	0.02	22	0.63	0.058
3198621	Soil	6.93	37.25	69.65	184.4	879	18.3	2.6	80	1.62	49.0	1.3	6.7	1.6	17.0	0.56	1.81	0.21	33	0.06	0.100
3198622	Soil	6.23	22.05	40.38	80.0	289	17.9	2.5	67	1.77	59.2	0.8	4.9	2.3	10.5	0.20	2.14	0.20	30	0.03	0.068
3198623	Soil	10.63	76.32	160.60	160.1	614	27.1	4.1	195	4.73	78.6	1.2	3.6	3.2	19.6	0.25	2.04	0.38	82	<0.01	0.195
3198624	Soil	10.09	137.53	94.74	228.9	590	46.6	10.2	394	4.21	73.4	2.2	7.3	4.1	17.7	1.08	2.37	0.31	64	0.01	0.153
3198625	Soil	7.50	38.94	69.79	109.2	370	20.6	2.8	95	3.93	67.6	0.9	1.7	2.6	16.5	0.15	2.05	0.32	59	0.01	0.136
3198626	Soil	5.07	12.77	43.50	53.6	249	8.0	1.4	41	0.99	29.0	0.4	<0.2	0.4	7.4	0.08	1.06	0.16	32	<0.01	0.028
3198627	Soil	5.60	37.91	112.51	163.1	205	22.4	3.8	123	2.60	92.2	0.9	6.9	4.0	13.3	0.38	2.23	0.27	29	<0.01	0.066
3198628	Soil	4.81	27.81	39.16	100.7	330	19.4	2.6	72	1.83	48.3	0.8	4.4	1.3	11.3	0.20	2.28	0.18	25	0.05	0.078
3198629	Soil	5.38	34.07	39.44	121.1	203	22.9	3.0	83	2.07	55.7	1.1	8.7	2.9	12.9	0.25	2.61	0.21	27	0.06	0.086
3198630	Soil	3.38	3.94	160.85	22.9	132	1.5	0.3	8	0.25	5.6	0.4	0.9	1.0	7.3	0.04	0.51	0.06	13	<0.01	0.013
3198631	Soil	15.54	43.40	1614.34	182.8	762	10.3	1.3	42	1.71	40.5	0.7	1.1	0.9	20.6	0.18	3.25	0.32	63	<0.01	0.069
3198632	Soil	12.58	95.08	350.21	215.0	546	32.6	4.0	97	3.22	247.6	1.2	2.8	0.3	18.2	0.25	4.68	0.49	62	<0.01	0.086
3198633	Soil	14.93	142.59	1032.62	282.1	1090	40.0	5.9	337	7.16	717.9	2.0	13.4	0.7	27.1	0.44	6.55	0.67	70	0.03	0.259
3198634	Soil	4.41	31.48	52.73	59.0	347	8.7	1.9	56	1.22	23.3	0.6	2.8	0.8	8.3	0.07	1.74	0.19	26	<0.01	0.027
3198635	Soil	7.55	71.08	206.87	131.3	431	18.3	3.9	141	2.87	64.5	1.1	2.4	3.1	24.7	0.22	4.46	0.48	39	<0.01	0.064
3198636	Soil	0.17	2.17	3.65	1.9	224	0.6	0.3	7	0.13	0.5	0.3	0.4	<0.1	6.2	<0.01	0.08	0.04	3	0.02	0.021
3198637	Soil	10.57	37.22	103.08	74.1	332	20.3	3.5	180	1.71	37.8	0.9	1.3	<0.1	13.5	0.19	2.70	0.15	49	0.02	0.051
3198638	Soil	1.13	7.29	7.92	7.4	1628	1.7	0.5	17	0.40	4.8	0.3	1.4	<0.1	7.6	0.02	0.71	0.09	9	0.04	0.024
3198639	Soil	6.71	36.32	68.73	36.1	911	7.2	1.7	48	3.18	55.8	1.2	8.0	5.7	50.9	0.07	6.53	0.45	32	<0.01	0.084
3198640	Soil	8.55	87.41	119.50	110.0	1101	9.4	0.9	38	3.11	23.1	0.8	4.4	2.0	35.3	0.33	5.81	0.74	26	<0.01	0.096
3198641	Soil	4.67	19.79	27.87	71.0	440	9.0	1.3	32	1.11	15.3	0.5	1.1	0.3	7.8	0.16	1.88	0.24	30	<0.01	0.036
3198642	Soil	8.97	57.26	150.44	141.7	1074	16.2	1.7	57	2.68	37.9	0.8	5.0	0.9	31.6	0.40	3.63	0.77	36	<0.01	0.081
3198643	Soil	9.03	27.96	44.06	89.0	518	24.3	5.0	180	2.14	29.9	1.0	4.2	1.7	15.0	0.21	2.32	0.22	36	0.06	0.084
3198644	Soil	8.67	24.06	44.98	81.1	423	23.7	5.3	195	1.83	25.3	0.8	3.5	1.1	14.5	0.20	1.90	0.21	36	0.05	0.076
3198645	Soil	5.72	12.75	34.13	48.4	1388	15.5	1.3	29	0.86	10.6	1.0	3.4	0.1	23.1	0.24	1.03	0.20	34	0.23	0.098
3198646	Soil	6.26	23.92	42.49	119.2	1245	23.0	3.1	158	1.50	24.3	1.7	3.7	0.4	19.3	0.69	1.24	0.25	40	0.13	0.098
3198647	Soil	5.64	74.44	167.55	82.5	457	19.6	19.7	3323	2.60	50.3	1.9	1.5	<0.1	17.5	1.40	1.84	0.37	43	0.03	0.141



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		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
3198618	Soil	15.3	7.3	0.04	2290.2	0.004	<20	0.35	0.005	0.07	0.1	0.9	0.59	0.10	180	1.8	0.06
3198619	Soil	16.7	8.8	0.04	1123.4	0.004	<20	0.53	0.007	0.08	<0.1	0.9	0.35	0.04	164	1.7	0.06
3198620	Rock Pulp	16.8	26.8	0.46	56.2	0.071	<20	0.76	0.074	0.11	<0.1	2.8	0.07	<0.02	8	<0.1	<0.02
3198621	Soil	24.0	9.8	0.05	1711.8	0.004	<20	0.50	0.003	0.09	0.1	1.1	0.48	0.05	155	1.5	0.10
3198622	Soil	23.2	7.3	0.04	127.8	0.004	<20	0.32	0.001	0.05	0.1	1.0	0.19	0.02	36	1.6	0.04
3198623	Soil	18.1	20.1	0.05	272.9	0.008	<20	0.80	0.002	0.10	0.2	2.0	0.40	0.05	38	2.6	0.17
3198624	Soil	18.6	23.3	0.07	324.8	0.005	<20	1.35	0.003	0.14	0.1	2.1	0.43	0.05	86	3.1	0.11
3198625	Soil	19.0	17.5	0.02	211.9	0.006	<20	0.63	0.002	0.08	0.1	2.3	0.28	0.04	20	2.1	0.09
3198626	Soil	29.1	4.3	<0.01	133.3	0.006	<20	0.26	<0.001	0.03	<0.1	0.5	0.15	<0.02	18	0.7	<0.02
3198627	Soil	21.6	10.7	0.06	275.4	0.002	<20	0.62	<0.001	0.08	0.1	1.5	0.27	0.03	67	2.0	0.04
3198628	Soil	21.4	6.6	0.04	105.7	0.004	<20	0.32	0.004	0.05	0.1	0.8	0.15	0.02	48	1.6	0.06
3198629	Soil	25.1	7.8	0.05	129.9	0.003	<20	0.40	0.001	0.06	<0.1	1.2	0.17	0.02	82	1.8	0.06
3198630	Soil	11.9	2.1	<0.01	3800.0	0.006	<20	0.10	0.003	0.01	<0.1	0.3	0.12	0.09	20	0.3	<0.02
3198631	Soil	12.3	6.4	<0.01	3201.7	0.009	<20	0.24	0.003	0.05	0.1	0.9	0.79	0.15	30	2.5	0.08
3198632	Soil	18.2	8.2	0.01	1112.6	0.006	<20	0.35	0.003	0.04	<0.1	0.6	0.26	0.05	12	2.9	0.12
3198633	Soil	15.3	16.8	0.02	898.4	0.009	<20	0.60	0.002	0.06	0.2	1.2	0.37	0.07	28	5.1	0.18
3198634	Soil	32.3	4.1	<0.01	140.4	0.006	<20	0.16	0.001	0.03	<0.1	0.4	0.12	<0.02	7	0.7	0.03
3198635	Soil	39.3	5.9	<0.01	1342.8	0.008	<20	0.21	0.003	0.05	0.1	1.2	0.21	0.07	15	2.2	0.13
3198636	Soil	0.7	0.8	0.01	56.7	0.005	<20	0.33	0.026	0.02	<0.1	<0.1	0.03	<0.02	<5	<0.1	0.02
3198637	Soil	20.2	4.8	0.01	59.7	0.004	<20	0.32	0.012	0.03	0.1	0.3	0.14	<0.02	11	1.5	0.04
3198638	Soil	20.4	2.0	<0.01	47.2	0.005	<20	0.21	0.011	0.02	<0.1	0.2	0.10	<0.02	27	0.2	<0.02
3198639	Soil	34.4	8.7	<0.01	124.6	0.001	<20	0.24	<0.001	0.05	0.2	1.3	0.36	0.06	76	5.9	0.17
3198640	Soil	30.2	6.3	<0.01	145.4	0.002	<20	0.27	0.002	0.05	<0.1	0.9	0.23	0.07	40	2.8	0.20
3198641	Soil	31.2	3.7	<0.01	51.9	0.004	<20	0.25	0.002	0.03	0.1	0.3	0.11	<0.02	11	0.9	0.12
3198642	Soil	39.5	5.6	0.01	175.6	0.004	<20	0.30	0.003	0.05	0.1	0.7	0.28	0.07	24	2.6	0.21
3198643	Soil	19.4	10.5	0.05	297.0	0.003	<20	0.52	0.003	0.07	0.1	1.2	0.55	0.03	150	1.7	0.08
3198644	Soil	19.9	12.0	0.05	453.7	0.003	<20	0.54	0.004	0.08	0.1	1.0	0.69	0.03	105	1.4	0.07
3198645	Soil	6.2	10.1	0.04	459.2	0.003	<20	0.50	0.012	0.11	0.1	0.8	0.35	0.06	195	1.1	0.10
3198646	Soil	8.9	13.3	0.05	618.7	0.004	<20	0.85	0.010	0.12	0.2	1.0	0.40	0.04	224	1.7	0.05
3198647	Soil	17.2	14.7	0.07	249.8	0.006	<20	0.77	0.004	0.06	0.1	0.3	0.28	0.04	39	2.5	0.08



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Project:

MacMillan Pass

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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
3198648	Soil	6.67	125.28	237.14	104.5	712	39.3	31.1	6925	3.03	58.4	2.5	5.6	0.2	22.0	3.09	3.30	0.30	33	0.04	0.163
3198649	Soil	4.09	14.12	42.93	23.2	462	5.8	0.8	31	1.03	17.8	0.7	5.6	0.4	10.7	0.07	0.86	0.17	20	0.01	0.048
3198650	Soil	7.24	23.75	44.09	58.7	270	12.4	1.8	67	1.50	34.6	0.9	5.3	1.3	13.0	0.15	2.02	0.19	27	0.04	0.066
3198651	Soil	7.17	8.42	25.48	29.3	243	6.0	1.0	26	0.69	14.9	0.5	1.0	<0.1	8.2	0.03	0.66	0.16	29	<0.01	0.032
3198652	Soil	11.40	19.38	68.20	62.6	428	15.3	2.2	62	2.07	35.7	0.8	3.0	0.6	10.6	0.13	1.90	0.30	54	<0.01	0.066
3198653	Soil	8.17	15.77	50.67	60.9	496	13.6	2.0	43	1.28	25.3	0.6	0.8	0.5	9.6	0.07	1.23	0.24	49	<0.01	0.038
3198654	Soil	11.96	30.98	119.16	133.5	795	28.8	4.0	116	3.21	45.6	1.2	1.4	4.2	16.2	0.21	2.11	0.38	66	0.01	0.076
3198655	Soil	4.20	7.62	26.11	27.6	124	5.0	0.8	18	0.50	11.0	0.4	1.5	<0.1	7.1	0.07	0.58	0.10	21	<0.01	0.028
3198656	Soil	9.98	19.04	80.11	88.6	219	17.0	2.3	52	1.47	43.1	0.7	<0.2	0.1	11.5	0.14	1.80	0.39	55	<0.01	0.044
3198657	Soil	5.20	14.19	49.88	54.0	986	9.4	1.5	32	0.98	18.1	0.7	2.2	<0.1	10.1	0.20	1.28	0.17	24	0.02	0.058
3198658	Soil	10.73	39.09	110.44	197.4	527	32.1	4.2	107	2.46	39.1	2.1	5.2	1.3	27.2	0.64	2.67	0.31	40	0.07	0.117
3198659	Soil	10.71	40.69	136.51	224.9	556	32.9	4.4	98	2.61	42.8	2.1	7.2	1.5	29.1	0.77	2.22	0.32	43	0.08	0.117
3198660	Rock Pulp	12.44	156.17	277.93	213.6	106	77.3	47.3	274	1.57	10.0	0.5	37.3	3.5	33.5	0.54	0.16	0.16	24	0.58	0.055
3198661	Soil	10.23	41.92	138.46	210.0	546	32.1	4.0	94	2.49	42.4	2.1	5.5	2.3	28.5	0.79	2.24	0.30	40	0.08	0.113
3198662	Soil	9.12	54.06	132.65	482.1	554	42.5	7.6	214	2.54	42.1	2.9	6.2	6.9	34.2	1.67	3.49	0.28	38	0.17	0.127
3198663	Soil	8.65	53.12	145.53	403.4	495	39.6	6.3	180	2.42	40.4	2.7	4.0	6.3	33.5	1.64	3.30	0.26	37	0.16	0.128
3198664	Soil	8.44	75.05	413.89	293.8	997	23.7	4.5	134	2.20	38.9	2.5	3.5	4.7	31.4	0.98	3.71	0.26	34	0.11	0.104
3198665	Soil	9.39	84.84	561.50	337.1	961	26.4	4.4	136	2.55	45.5	2.7	4.5	4.2	33.6	0.90	3.65	0.30	37	0.10	0.114
3198666	Soil	7.64	49.48	131.79	523.8	636	54.1	6.4	234	2.20	23.2	2.4	4.6	2.5	46.1	3.83	3.01	0.25	34	0.69	0.114
3198667	Soil	8.93	34.85	116.16	527.4	650	67.9	5.8	110	1.91	21.9	3.2	2.1	1.6	43.5	2.12	2.85	0.22	34	0.63	0.203
3198668	Soil	8.55	30.05	63.10	406.9	787	61.4	4.7	108	1.43	28.6	5.5	2.0	0.6	48.2	2.76	2.72	0.21	28	0.94	0.219
3198669	Soil	14.11	40.73	86.12	551.6	1279	89.0	7.9	202	2.19	40.1	5.3	2.4	1.2	53.2	3.79	3.73	0.25	42	0.94	0.295
3198670	Soil	8.99	31.74	53.69	444.2	788	82.5	6.2	512	1.80	22.7	3.0	1.0	1.1	75.2	4.60	3.05	0.12	38	2.10	0.322
3198671	Soil	4.28	4.43	20.73	38.7	335	7.4	0.7	17	0.37	6.9	0.5	0.4	<0.1	9.7	0.07	0.61	0.12	23	0.01	0.032
3198672	Soil	25.50	24.19	84.86	239.6	547	62.3	4.2	99	2.29	37.7	2.1	0.7	<0.1	24.2	0.54	4.65	0.28	77	0.02	0.103
3198673	Soil	22.03	16.63	18.74	235.5	585	46.4	3.9	43	1.37	12.5	1.1	0.7	0.2	4.1	0.42	3.75	0.15	39	0.05	0.068
3198674	Soil	44.00	69.44	95.80	1059.6	988	154.3	6.0	127	1.95	29.4	13.1	2.4	1.1	70.2	7.29	9.06	0.17	104	0.74	0.151
3198675	Soil	43.35	66.99	99.85	1195.1	1066	150.6	7.4	180	2.38	28.8	10.0	2.5	1.5	57.6	6.42	7.91	0.20	106	0.54	0.139
3198676	Soil	34.42	34.68	34.67	647.3	664	99.3	9.4	324	2.02	20.1	3.7	1.3	1.8	22.1	4.03	5.05	0.19	47	0.39	0.117
3198677	Soil	4.30	24.56	14.50	117.1	384	32.3	2.7	50	1.32	13.1	0.6	<0.2	0.1	4.5	0.29	1.98	0.19	17	0.03	0.062



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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
		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
3198648	Soil	16.4	15.6	0.05	357.7	0.006	<20	0.74	0.008	0.07	0.1	0.7	0.31	0.05	83	3.2	0.08	2.9
3198649	Soil	9.9	6.1	0.02	204.0	0.007	<20	0.63	0.014	0.08	<0.1	0.9	0.27	0.02	115	0.6	0.05	2.7
3198650	Soil	23.1	7.3	0.03	491.0	0.004	<20	0.44	0.003	0.07	0.1	1.0	0.29	0.04	88	1.5	0.10	2.0
3198651	Soil	28.9	5.2	0.02	139.2	0.005	<20	0.37	0.002	0.04	0.1	0.3	0.28	<0.02	15	0.6	<0.02	3.5
3198652	Soil	21.1	9.5	0.03	236.9	0.006	<20	0.49	0.003	0.09	0.1	0.8	0.45	0.06	39	1.8	0.07	3.1
3198653	Soil	24.7	7.0	0.02	172.2	0.008	<20	0.42	0.003	0.05	0.1	0.7	0.33	<0.02	20	1.0	0.09	4.0
3198654	Soil	23.8	15.7	0.06	309.6	0.013	<20	0.75	0.003	0.10	0.2	1.8	0.47	0.04	38	2.7	0.15	4.7
3198655	Soil	23.4	3.7	0.01	97.6	0.004	<20	0.21	0.004	0.03	0.1	0.2	0.16	<0.02	6	0.6	0.02	2.5
3198656	Soil	19.6	6.7	0.02	130.3	0.006	<20	0.31	0.002	0.05	0.2	0.4	0.23	0.03	29	1.4	0.07	4.1
3198657	Soil	13.7	5.6	0.03	232.7	0.003	<20	0.33	0.010	0.05	0.1	0.3	0.20	0.02	60	0.9	0.08	2.1
3198658	Soil	26.9	15.8	0.17	494.6	0.008	<20	0.69	0.004	0.08	0.2	1.3	0.44	0.04	149	1.9	0.08	3.1
3198659	Soil	27.4	15.4	0.18	702.1	0.006	<20	0.79	0.004	0.08	0.2	1.5	0.39	0.03	137	1.6	0.07	3.0
3198660	Rock Pulp	27.6	32.2	0.48	61.6	0.079	<20	0.82	0.084	0.12	0.1	3.0	0.09	0.04	15	<0.1	<0.02	3.1
3198661	Soil	26.2	15.3	0.18	505.4	0.007	<20	0.78	0.005	0.08	0.1	1.7	0.40	0.02	182	1.6	0.11	3.2
3198662	Soil	27.3	15.2	0.18	3099.3	0.012	<20	0.65	0.003	0.08	0.2	2.5	0.35	0.08	253	1.6	0.09	2.5
3198663	Soil	25.3	14.2	0.17	3031.5	0.011	<20	0.64	0.003	0.08	0.2	2.3	0.33	0.08	259	1.7	0.04	2.2
3198664	Soil	22.0	13.7	0.17	3232.8	0.012	<20	0.63	0.003	0.06	0.2	2.2	0.39	0.08	448	2.1	0.10	2.2
3198665	Soil	22.4	15.9	0.19	3118.8	0.011	<20	0.75	0.003	0.07	0.2	2.5	0.46	0.08	603	2.3	0.13	2.7
3198666	Soil	11.2	13.4	0.20	632.8	0.006	<20	0.73	0.006	0.09	0.1	2.0	0.38	0.05	335	2.9	0.07	2.2
3198667	Soil	13.5	11.9	0.14	291.4	0.008	<20	0.61	0.005	0.07	0.1	1.8	0.33	0.03	310	1.6	0.08	1.7
3198668	Soil	10.5	7.2	0.06	185.1	0.006	<20	0.46	0.009	0.05	<0.1	1.1	0.30	0.04	211	1.4	0.05	1.5
3198669	Soil	14.9	10.0	0.06	228.5	0.007	<20	0.51	0.007	0.06	<0.1	1.7	0.42	0.02	281	1.9	0.08	1.4
3198670	Soil	11.3	8.7	0.03	112.9	0.004	<20	0.26	0.002	0.06	<0.1	1.7	0.30	0.03	149	1.2	0.06	0.6
3198671	Soil	14.0	3.3	<0.01	41.5	0.003	<20	0.22	0.002	0.03	<0.1	0.2	0.20	<0.02	42	<0.1	0.03	2.5
3198672	Soil	15.5	8.7	0.02	94.8	0.008	<20	0.32	0.003	0.04	<0.1	0.4	0.32	<0.02	25	2.1	0.10	2.7
3198673	Soil	5.8	3.6	0.02	35.6	0.003	<20	0.16	0.005	0.03	<0.1	0.5	0.21	<0.02	99	1.3	0.08	0.9
3198674	Soil	6.2	12.6	0.05	157.0	0.004	<20	0.44	0.004	0.05	0.2	1.7	0.82	0.07	612	6.0	0.13	1.0
3198675	Soil	8.8	13.3	0.05	157.1	0.004	<20	0.53	0.005	0.05	0.1	2.0	0.85	0.04	700	3.7	0.12	1.2
3198676	Soil	8.2	7.3	0.05	107.8	0.004	<20	0.31	0.009	0.05	0.1	2.0	0.34	0.02	182	2.0	0.06	0.9
3198677	Soil	4.6	4.2	0.02	53.2	0.004	<20	0.22	0.015	0.04	<0.1	0.6	0.10	<0.02	28	0.4	0.05	1.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		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
3198678	Soil	3.16	15.93	11.07	78.8	425	21.2	1.9	34	0.88	8.4	0.5	0.4	<0.1	4.7	0.20	1.28	0.11	13	0.03
3198679	Soil	0.58	2.56	2.69	10.6	638	2.6	0.3	8	0.20	1.0	0.5	<0.2	<0.1	5.0	0.05	0.21	<0.02	4	0.04
3198680	Soil	14.28	100.17	51.45	979.9	1524	179.2	5.6	149	2.40	24.1	21.5	3.6	0.4	83.8	6.73	5.72	0.24	39	1.63



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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
		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
3198678	Soil	3.5	3.3	0.02	49.1	0.004	<20	0.18	0.018	0.04	<0.1	0.4	0.09	<0.02	29	0.2	0.04	1.1
3198679	Soil	1.3	1.0	<0.01	14.6	0.004	<20	0.08	0.021	0.02	<0.1	0.2	<0.02	<0.02	27	<0.1	<0.02	0.3
3198680	Soil	9.3	13.8	0.14	241.5	0.006	<20	0.63	0.009	0.07	<0.1	1.1	0.61	0.10	410	5.9	0.12	1.4



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QUALITY CONTROL REPORT

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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
Pulp Duplicates																					
3198034	Soil	7.23	44.56	67.41	152.1	534	32.4	5.4	143	3.47	91.3	1.3	4.7	3.0	21.5	0.30	2.00	0.39	42	0.05	0.136
REP 3198034	QC	7.04	44.85	67.27	154.1	547	32.7	5.3	141	3.47	93.5	1.4	3.4	3.1	20.8	0.30	2.01	0.38	41	0.05	0.141
3198070	Soil	7.76	86.32	317.64	504.7	562	40.0	7.4	200	3.05	76.1	1.7	8.4	5.3	26.9	1.38	2.13	0.28	40	0.07	0.103
REP 3198070	QC	7.58	83.28	301.86	494.3	541	38.9	7.1	193	2.99	73.6	1.7	7.4	5.0	26.8	1.32	2.06	0.28	40	0.07	0.100
3198106	Soil	8.67	61.39	80.91	260.9	485	33.9	6.1	131	2.28	53.1	2.2	3.3	6.1	28.6	1.66	2.86	0.24	31	0.13	0.130
REP 3198106	QC	8.44	61.11	83.51	261.9	474	33.8	6.4	130	2.32	54.0	2.2	4.5	6.2	27.2	1.64	2.87	0.25	31	0.13	0.126
3198519	Soil	5.87	32.32	45.30	88.9	243	19.3	3.9	117	2.61	61.2	1.0	1.5	6.7	15.6	0.14	1.80	0.26	31	0.03	0.083
REP 3198519	QC	5.73	32.02	45.95	89.9	234	19.1	3.9	116	2.58	60.3	1.0	1.4	6.7	15.2	0.15	1.79	0.24	30	0.03	0.082
3198555	Soil	4.76	33.33	112.49	146.6	364	18.2	3.2	97	2.13	52.5	1.0	4.6	2.2	16.4	0.46	1.81	0.20	22	0.05	0.067
REP 3198555	QC	4.93	35.07	113.34	146.7	363	18.4	3.2	100	2.11	52.4	1.0	4.1	2.3	16.2	0.48	1.80	0.21	22	0.05	0.067
3198591	Soil	3.71	30.91	149.48	60.2	1610	11.3	1.7	62	1.55	26.4	0.6	2.4	0.2	15.9	0.17	1.62	0.15	21	0.02	0.059
REP 3198591	QC	3.63	29.41	147.23	56.9	1562	11.5	1.6	62	1.57	25.3	0.6	2.0	0.2	14.8	0.17	1.62	0.14	21	0.02	0.060
3198627	Soil	5.60	37.91	112.51	163.1	205	22.4	3.8	123	2.60	92.2	0.9	6.9	4.0	13.3	0.38	2.23	0.27	29	<0.01	0.066
REP 3198627	QC	5.48	37.46	110.55	158.5	201	22.4	3.8	126	2.68	90.5	0.9	6.8	4.1	12.9	0.36	2.19	0.26	29	<0.01	0.067
3198663	Soil	8.65	53.12	145.53	403.4	495	39.6	6.3	180	2.42	40.4	2.7	4.0	6.3	33.5	1.64	3.30	0.26	37	0.16	0.128
REP 3198663	QC	9.43	56.97	155.20	444.9	551	43.9	6.8	199	2.49	43.8	2.8	3.6	6.8	35.3	1.85	3.70	0.29	37	0.16	0.135
3198679	Soil	0.58	2.56	2.69	10.6	638	2.6	0.3	8	0.20	1.0	0.5	<0.2	<0.1	5.0	0.05	0.21	<0.02	4	0.04	0.039
REP 3198679	QC	0.60	2.67	2.85	11.2	672	2.6	0.4	8	0.22	1.0	0.5	0.6	<0.1	5.0	0.05	0.22	<0.02	4	0.04	0.039
Reference Materials																					
STD DS11	Standard	15.24	144.19	136.26	340.0	1601	79.2	13.1	1022	3.00	43.5	2.5	52.3	8.0	67.9	2.39	6.34	12.01	49	1.04	0.072
STD DS11	Standard	14.58	151.77	136.63	328.0	1685	74.4	13.5	1017	3.01	42.2	2.8	53.2	7.4	68.0	2.39	6.62	11.91	48	1.04	0.068
STD DS11	Standard	13.69	150.92	130.49	334.6	1660	77.5	13.4	983	3.09	40.5	2.5	56.3	7.5	66.7	2.58	6.86	11.83	49	1.08	0.069
STD DS11	Standard	14.83	155.00	131.79	342.6	1630	80.5	13.1	998	3.05	41.0	2.3	162.4	7.1	65.1	2.41	5.71	11.05	49	1.05	0.067
STD DS11	Standard	14.96	156.12	136.67	339.9	1577	81.9	13.7	1030	3.05	39.8	2.7	53.0	8.2	68.9	2.37	5.67	11.84	49	1.05	0.065
STD DS11	Standard	14.36	158.92	130.23	330.9	1705	78.2	13.0	1043	3.09	40.0	2.4	56.9	7.1	64.7	2.46	6.38	11.51	48	1.05	0.066
STD DS11	Standard	15.50	151.85	137.19	349.3	1761	77.6	13.4	1024	3.17	43.0	2.5	59.0	7.9	70.1	2.60	6.14	12.01	49	1.07	0.070
STD DS11	Standard	14.17	144.91	141.78	352.2	1962	77.3	13.6	995	3.19	45.7	2.8	62.0	8.3	69.6	2.50	7.10	12.55	48	1.05	0.071
STD DS11	Standard	14.40	160.82	141.39	346.3	1926	79.2	13.5	1046	3.29	44.3	2.8	63.3	8.3	70.3	2.49	6.88	12.81	49	1.09	0.070



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Project: MacMillan Pass
Report Date: June 27, 2018

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QUALITY CONTROL REPORT

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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
		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
Pulp Duplicates																		
3198034	Soil	30.2	16.6	0.15	143.5	0.004	<20	0.87	<0.001	0.08	0.2	1.7	0.18	0.02	57	2.1	0.10	2.8
REP 3198034	QC	30.1	16.6	0.15	141.2	0.004	<20	0.86	<0.001	0.08	0.2	1.6	0.18	0.02	58	2.1	0.09	2.8
3198070	Soil	24.5	16.1	0.10	3033.6	0.003	<20	0.81	0.002	0.15	<0.1	2.5	0.39	0.09	312	2.0	0.09	2.2
REP 3198070	QC	24.3	15.4	0.09	2929.4	0.002	<20	0.81	0.001	0.15	<0.1	2.4	0.37	0.09	294	2.1	0.09	2.2
3198106	Soil	24.1	10.7	0.09	2133.1	0.005	<20	0.56	0.002	0.10	0.2	2.3	0.30	0.06	195	1.9	0.08	1.7
REP 3198106	QC	23.6	10.9	0.09	2092.3	0.005	<20	0.56	0.002	0.10	0.2	2.1	0.31	0.06	204	1.9	0.08	1.8
3198519	Soil	34.2	9.1	0.08	94.8	0.004	<20	0.58	0.002	0.05	0.1	1.5	0.13	<0.02	41	1.3	0.07	2.0
REP 3198519	QC	33.2	8.7	0.08	91.2	0.003	<20	0.57	0.001	0.04	0.1	1.4	0.13	<0.02	39	1.2	0.07	2.0
3198555	Soil	20.5	9.3	0.07	144.8	0.006	22	0.59	0.009	0.07	0.1	1.2	0.14	<0.02	190	1.4	0.08	2.2
REP 3198555	QC	20.2	9.4	0.08	142.1	0.006	23	0.58	0.009	0.07	0.2	1.2	0.14	<0.02	193	1.2	0.07	2.2
3198591	Soil	13.4	7.4	0.03	151.4	0.005	<20	0.32	0.009	0.05	0.1	0.5	0.15	0.04	181	1.3	0.04	1.7
REP 3198591	QC	12.7	7.4	0.03	150.1	0.005	<20	0.32	0.008	0.05	<0.1	0.5	0.14	0.04	157	1.3	0.05	1.6
3198627	Soil	21.6	10.7	0.06	275.4	0.002	<20	0.62	<0.001	0.08	0.1	1.5	0.27	0.03	67	2.0	0.04	1.8
REP 3198627	QC	20.5	10.9	0.07	265.8	0.002	<20	0.62	<0.001	0.08	0.1	1.5	0.27	0.03	64	1.9	0.08	1.9
3198663	Soil	25.3	14.2	0.17	3031.5	0.011	<20	0.64	0.003	0.08	0.2	2.3	0.33	0.08	259	1.7	0.04	2.2
REP 3198663	QC	27.0	14.9	0.18	3124.4	0.011	<20	0.64	0.003	0.08	0.2	2.4	0.34	0.08	278	1.7	0.08	2.2
3198679	Soil	1.3	1.0	<0.01	14.6	0.004	<20	0.08	0.021	0.02	<0.1	0.2	<0.02	<0.02	27	<0.1	<0.02	0.3
REP 3198679	QC	1.4	1.1	<0.01	14.9	0.004	<20	0.07	0.022	0.02	<0.1	0.2	<0.02	<0.02	36	<0.1	<0.02	0.4
Reference Materials																		
STD DS11	Standard	18.9	57.8	0.82	412.5	0.097	<20	1.11	0.068	0.40	2.4	3.3	4.89	0.27	248	1.9	4.49	5.0
STD DS11	Standard	17.2	55.1	0.81	424.8	0.091	<20	1.12	0.066	0.39	2.6	3.1	4.91	0.28	248	1.9	4.71	4.7
STD DS11	Standard	18.1	58.4	0.84	417.8	0.091	<20	1.15	0.073	0.41	2.9	3.0	4.98	0.28	254	2.0	4.65	4.7
STD DS11	Standard	17.8	60.3	0.83	386.4	0.094	<20	1.15	0.069	0.41	2.1	3.1	4.72	0.27	256	2.0	4.48	4.9
STD DS11	Standard	18.5	60.6	0.84	405.9	0.097	<20	1.16	0.070	0.41	2.6	2.9	4.91	0.28	269	1.9	4.41	4.7
STD DS11	Standard	18.1	60.0	0.83	402.8	0.094	<20	1.11	0.067	0.40	2.7	2.9	4.83	0.28	255	2.1	4.38	4.6
STD DS11	Standard	18.9	61.4	0.87	426.1	0.096	<20	1.13	0.071	0.40	2.9	3.2	5.19	0.27	264	2.5	4.68	4.7
STD DS11	Standard	19.4	56.9	0.84	435.2	0.094	<20	1.12	0.070	0.39	2.7	3.1	5.17	0.26	277	2.5	4.89	5.3
STD DS11	Standard	19.7	59.3	0.88	442.5	0.095	<20	1.17	0.073	0.41	2.9	3.5	5.05	0.27	264	2.5	4.64	5.2



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Project:

MacMillan Pass

Report Date:

June 27, 2018

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QUALITY CONTROL REPORT

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		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	1.56	717.58	14.95	33.2	261	413.5	51.7	418	21.05	11.5	1.8	51.9	10.3	4.0	<0.01	0.17	0.25	310	0.03	0.029
STD OREAS45EA	Standard	1.49	705.47	14.99	32.6	256	409.1	54.2	409	21.51	11.2	1.9	50.9	10.5	3.9	<0.01	0.22	0.26	306	0.03	0.028
STD OREAS45EA	Standard	1.83	719.30	16.18	34.9	292	379.5	56.8	432	23.74	12.0	2.1	62.6	11.6	4.2	0.01	0.30	0.30	309	0.03	0.029
STD OREAS45EA	Standard	1.63	730.47	14.99	31.3	280	408.0	52.4	399	21.22	10.8	1.9	54.9	10.8	3.9	<0.01	0.21	0.26	304	0.03	0.028
STD OREAS45EA	Standard	1.51	724.53	14.93	31.3	275	408.8	53.4	396	21.82	10.8	1.9	55.8	10.9	3.8	0.01	0.15	0.26	304	0.03	0.027
STD OREAS45EA	Standard	1.58	678.27	14.41	29.5	244	381.6	49.6	399	20.17	9.0	1.9	53.0	10.0	3.5	0.02	0.23	0.26	291	0.03	0.025
STD OREAS45EA	Standard	1.65	677.24	14.15	31.0	266	369.1	49.1	395	20.87	10.5	1.8	48.9	10.2	3.7	0.01	0.23	0.25	299	0.03	0.026
STD OREAS45EA	Standard	1.72	705.24	17.05	36.3	289	385.3	53.4	446	23.99	12.5	2.2	65.3	12.3	4.3	<0.01	0.27	0.30	314	0.03	0.029
STD OREAS45EA	Standard	1.54	695.90	15.77	32.8	279	385.3	49.7	414	22.14	11.6	2.0	51.7	11.7	4.2	0.02	0.22	0.27	309	0.03	0.028
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	<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
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	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.03	<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
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	<0.01	<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	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001



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QUALITY CONTROL REPORT

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		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	7.4	882.3	0.09	147.7	0.100	<20	3.41	0.017	0.05	<0.1	78.6	0.07	0.03	13	1.2	0.08	13.5
STD OREAS45EA	Standard	7.1	793.9	0.09	152.5	0.095	<20	3.32	0.017	0.05	<0.1	74.3	0.06	0.03	14	0.7	0.08	12.7
STD OREAS45EA	Standard	8.2	921.7	0.10	157.4	0.105	<20	3.52	0.019	0.06	<0.1	81.7	0.08	0.04	9	0.7	0.09	12.1
STD OREAS45EA	Standard	7.4	884.1	0.09	145.5	0.103	<20	3.39	0.016	0.05	<0.1	75.9	0.07	0.03	16	0.8	0.09	12.4
STD OREAS45EA	Standard	7.3	866.5	0.09	146.5	0.098	<20	3.41	0.017	0.05	<0.1	74.9	0.06	0.03	8	1.0	0.07	12.2
STD OREAS45EA	Standard	7.0	835.2	0.08	138.2	0.096	<20	3.12	0.015	0.05	<0.1	69.7	0.06	0.03	11	0.4	0.08	11.2
STD OREAS45EA	Standard	7.2	851.7	0.09	140.7	0.100	<20	3.33	0.018	0.05	<0.1	73.1	0.07	0.03	10	0.8	0.07	12.0
STD OREAS45EA	Standard	8.3	912.2	0.10	163.2	0.107	<20	3.41	0.019	0.06	<0.1	83.1	0.07	0.03	5	1.0	0.07	12.0
STD OREAS45EA	Standard	7.6	806.8	0.09	151.1	0.097	<20	3.46	0.019	0.06	<0.1	80.2	0.06	0.03	7	1.2	0.10	13.2
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	0.2	<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	<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	<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	8	<0.1	<0.02	<0.1