



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

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

Client: **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: September 24, 2018
Report Date: November 25, 2018
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CERTIFICATE OF ANALYSIS

WHI18000983.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ18-BV-032
P.O. Number
Number of Samples: 58

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 60 days Invoice for Storage

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-500	56	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	2	Sort, label and box pulps			WHI
CRUBW	56	Extra clean rock wash between samples in crusher			WHI
PULSW	56	Extra Wash with Silica between each sample			WHI
FA330	57	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
EN002	58	Environmental disposal charge-Fire assay lead waste			VAN
AQ270	58	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	58	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC006	58	15% HClO4 leach, CO2 analysis by Leco	0.2	Completed	VAN
TC003	58	Analysis by Leco	0.1	Completed	VAN
SHP01	58	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

CC:



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	WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
3207366	Drill Core	4.58	7	4	8	88.5	158.9	773.5	226	2.2	115.1	7.8	590	8.23	43	7.5	2.5	11	<0.5	7.7	<0.5
3207367	Rock	0.87	<2	<3	<2	1.0	7.3	3.1	37	<0.5	2.0	4.4	729	2.09	<5	<0.5	1.8	29	<0.5	<0.5	<0.5
3207368	Drill Core	5.85	7	6	14	118.7	104.9	4290.6	212	6.9	154.4	10.1	509	7.17	76	10.9	2.7	13	0.7	13.6	<0.5
3207369	Drill Core	4.91	7	<3	8	108.2	112.3	1187.9	205	1.8	224.4	14.0	2606	16.65	147	13.4	2.0	7	0.6	16.0	<0.5
3207370	Drill Core	5.71	8	4	8	120.8	73.1	1062.4	194	1.5	279.5	15.1	3594	13.16	59	13.9	2.1	6	0.8	8.8	<0.5
3207371	Drill Core	3.61	6	<3	10	85.0	67.6	587.5	44	0.9	260.2	13.3	5563	13.17	63	15.2	1.7	7	<0.5	6.9	<0.5
3207372	Drill Core	4.45	7	4	2	119.4	54.1	1689.2	118	2.2	290.1	13.1	6759	13.90	91	19.8	2.0	12	0.6	8.9	<0.5
3207373	Drill Core	3.58	7	<3	8	95.5	81.3	824.0	240	1.0	266.6	12.5	7481	14.89	113	13.1	1.6	17	0.8	7.5	<0.5
3207374	Drill Core	1.32	7	8	6	51.1	24.3	1920.1	149	2.4	129.0	5.8	1990	4.21	34	4.6	0.7	6	0.5	5.5	<0.5
3207375	Drill Core	4.08	6	<3	4	68.9	63.8	777.7	2324	1.5	220.2	6.5	5115	11.13	29	8.7	1.1	8	13.6	5.9	<0.5
3207376	Drill Core	4.64	7	<3	7	96.6	67.8	1015.4	134	1.7	330.2	7.0	6213	13.52	21	13.3	1.7	8	<0.5	8.6	<0.5
3207377	Drill Core	3.67	6	<3	4	38.4	46.1	220.8	143	<0.5	140.3	7.3	12744	27.21	72	4.0	0.7	25	<0.5	7.1	<0.5
3207378	Drill Core	5.27	7	<3	7	109.1	64.8	426.6	137	0.7	267.4	8.6	5168	12.36	31	8.3	1.9	13	<0.5	8.2	<0.5
3207379	Drill Core	5.87	9	<3	6	68.5	69.8	212.6	387	<0.5	193.4	6.6	5358	12.67	86	5.7	1.3	10	1.8	7.3	<0.5
3207380	Drill Core	2.66	7	<3	6	86.7	48.4	468.2	102	0.8	213.6	10.7	4712	11.33	34	8.9	1.7	19	<0.5	10.5	<0.5
3207381	Drill Core	4.86	8	<3	6	87.7	80.9	201.8	417	0.5	292.0	9.9	6565	15.91	68	7.4	1.9	14	2.0	11.4	<0.5
3207382	Drill Core	4.14	10	<3	6	72.7	45.9	762.6	505	1.1	185.7	9.5	6420	14.43	40	7.2	1.7	21	2.0	10.5	<0.5
3207383	Drill Core	4.91	13	<3	3	62.7	56.4	993.4	282	1.5	157.9	11.2	9458	18.75	40	8.3	1.4	11	0.9	8.7	<0.5
3207384	Drill Core	3.20	10	<3	<2	46.6	58.5	1282.3	279	2.1	122.9	9.7	6505	14.37	110	7.3	0.9	22	0.9	10.6	<0.5
3207385	Drill Core	6.08	9	<3	<2	43.7	42.0	521.2	1201	1.5	146.6	7.5	2801	5.88	35	6.4	3.0	144	7.3	22.7	<0.5
3207386	Drill Core	5.76	10	<3	<2	38.5	45.5	374.5	818	1.3	99.1	4.5	3696	6.75	10	5.2	1.6	194	5.3	4.3	<0.5
3207387	Drill Core	5.53	8	<3	6	3.6	69.0	41.9	24	<0.5	46.9	8.7	1092	3.62	16	1.4	5.5	62	<0.5	4.1	<0.5
3207388	Drill Core	5.09	12	6	5	4.1	69.6	52.9	26	0.5	50.3	9.8	939	3.26	10	1.6	6.0	45	<0.5	3.7	<0.5
3207389	Drill Core	2.59	11	3	7	3.9	73.9	72.6	28	0.7	67.9	11.6	756	3.23	6	2.0	6.3	9	<0.5	4.0	<0.5
3207390	Drill Core	1.47	9	4	5	5.1	76.7	48.6	65	0.6	85.3	12.4	1078	4.10	10	2.0	6.2	9	<0.5	6.2	<0.5
3207391	Drill Core	2.87	11	8	6	7.3	74.4	81.0	119	0.6	108.4	12.1	1601	5.11	119	3.7	4.6	10	<0.5	9.4	<0.5
3207392	Drill Core	3.02	20	4	4	7.0	37.7	125.8	99	0.8	110.7	12.2	656	8.02	47	3.5	4.0	8	<0.5	19.9	<0.5
3207393	Drill Core	2.65	17	<3	5	14.1	109.1	>40000	5927	46.9	102.4	11.1	1045	15.13	82	4.1	3.0	12	51.6	85.8	<0.5
3207394	Rock Pulp	0.04	I.S.	I.S.	I.S.	4.3	472.4	36278.5	49051	57.9	16.7	45.6	2277	7.26	151	1.6	6.8	24	168.3	45.2	<0.5
3207395	Drill Core	1.05	17	<3	<2	1.3	244.3	>40000	24490	106.0	29.0	5.2	5159	26.15	31	4.5	0.5	<5	205.9	169.1	<0.5



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Method Analyte Unit MDL		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
3207366	Drill Core	488	0.16	0.076	16.3	15.6	0.02	173	0.003	0.33	<0.01	0.17	1.4	0.22	2.0	0.7	0.07	<5	15	74.50	4.27
3207367	Rock	32	0.84	0.049	6.5	3.5	0.57	57	0.110	1.16	0.11	0.09	<0.5	<0.05	4.6	<0.5	<0.05	<5	<2	69.90	14.10
3207368	Drill Core	604	0.20	0.082	22.9	22.3	0.02	204	0.003	0.39	<0.01	0.18	<0.5	0.31	1.8	0.7	0.18	<5	27	74.00	4.77
3207369	Drill Core	440	0.12	0.083	11.6	16.3	0.17	120	0.002	0.28	<0.01	0.13	<0.5	0.20	3.3	<0.5	1.98	<5	16	56.20	3.42
3207370	Drill Core	271	0.12	0.073	13.5	13.7	0.29	106	0.002	0.27	<0.01	0.12	<0.5	0.21	3.0	<0.5	1.27	<5	15	59.20	3.67
3207371	Drill Core	184	0.26	0.067	8.7	11.8	0.58	88	0.002	0.24	<0.01	0.09	<0.5	0.19	2.8	<0.5	1.99	<5	11	58.30	3.17
3207372	Drill Core	252	0.39	0.103	11.6	16.8	0.57	104	0.002	0.29	<0.01	0.12	0.8	0.22	3.0	<0.5	1.64	<5	12	55.60	3.35
3207373	Drill Core	256	0.78	0.105	11.1	15.0	0.59	86	0.003	0.25	<0.01	0.09	<0.5	0.21	3.6	<0.5	1.67	<5	10	54.20	2.76
3207374	Drill Core	293	0.12	0.048	2.1	13.6	0.13	90	0.001	0.17	<0.01	0.08	<0.5	0.09	1.1	<0.5	0.47	<5	17	84.80	1.74
3207375	Drill Core	455	0.22	0.071	7.7	20.5	0.48	120	0.002	0.25	<0.01	0.10	<0.5	0.63	2.6	<0.5	1.10	<5	16	65.80	2.22
3207376	Drill Core	564	0.37	0.090	10.5	22.0	0.62	137	0.002	0.30	<0.01	0.15	<0.5	0.10	2.6	0.6	1.20	<5	21	53.90	3.50
3207377	Drill Core	260	1.47	0.037	5.8	12.8	1.39	54	0.001	0.14	<0.01	0.05	<0.5	0.06	3.2	<0.5	1.15	<5	5	27.50	1.20
3207378	Drill Core	399	0.48	0.065	13.0	20.0	0.67	135	0.002	0.28	<0.01	0.13	<0.5	0.19	3.1	<0.5	0.93	<5	13	57.90	3.42
3207379	Drill Core	307	0.35	0.060	8.3	15.7	0.58	113	0.002	0.25	<0.01	0.11	<0.5	0.22	2.7	<0.5	1.41	<5	13	61.70	2.62
3207380	Drill Core	223	0.70	0.093	14.3	18.9	0.60	113	0.002	0.32	<0.01	0.11	<0.5	0.17	3.0	<0.5	0.96	<5	9	62.40	3.21
3207381	Drill Core	384	0.37	0.089	12.7	22.7	0.68	143	0.002	0.27	<0.01	0.12	<0.5	0.24	3.2	<0.5	1.83	<5	12	52.10	3.51
3207382	Drill Core	182	1.02	0.074	12.9	11.5	0.75	95	0.002	0.22	<0.01	0.10	<0.5	0.28	2.7	<0.5	1.37	<5	8	53.30	3.27
3207383	Drill Core	85	0.65	0.042	8.4	9.5	0.68	101	0.001	0.15	<0.01	0.08	<0.5	0.17	3.2	<0.5	1.38	<5	5	47.10	3.06
3207384	Drill Core	55	1.24	0.034	4.7	7.1	0.75	54	0.001	0.11	<0.01	0.05	<0.5	0.14	2.0	<0.5	1.85	<5	5	59.00	1.79
3207385	Drill Core	84	4.10	0.090	10.5	10.4	1.10	127	0.002	0.32	<0.01	0.13	<0.5	0.42	3.5	<0.5	1.53	<5	6	59.70	6.87
3207386	Drill Core	138	6.90	0.096	10.5	13.9	1.94	98	0.002	0.30	<0.01	0.08	<0.5	0.30	3.1	<0.5	0.79	<5	6	53.50	3.27
3207387	Drill Core	32	1.37	0.047	14.7	11.7	0.56	184	0.002	0.57	<0.01	0.19	<0.5	<0.05	3.1	<0.5	1.07	<5	4	70.10	10.50
3207388	Drill Core	32	0.97	0.049	15.8	12.9	0.44	190	0.002	0.63	<0.01	0.19	<0.5	<0.05	2.9	<0.5	1.01	<5	3	71.70	10.70
3207389	Drill Core	28	0.11	0.042	17.3	9.3	0.24	171	0.001	0.63	<0.01	0.18	<0.5	<0.05	1.5	<0.5	1.02	<5	4	74.20	11.20
3207390	Drill Core	30	0.12	0.050	16.1	11.1	0.29	170	0.001	0.60	<0.01	0.18	<0.5	0.08	2.2	<0.5	1.05	<5	4	72.00	10.90
3207391	Drill Core	34	0.17	0.063	12.1	9.8	0.32	133	0.001	0.46	<0.01	0.16	<0.5	0.09	2.1	<0.5	1.42	<5	7	71.70	9.26
3207392	Drill Core	20	0.13	0.050	8.3	5.3	0.07	153	<0.001	0.29	<0.01	0.16	<0.5	0.12	1.6	<0.5	7.20	<5	8	65.90	9.30
3207393	Drill Core	22	0.26	0.037	6.5	4.6	0.15	159	<0.001	0.33	<0.01	0.14	<0.5	3.12	1.2	0.9	15.66	<5	9	48.70	6.29
3207394	Rock Pulp	11	4.82	0.055	21.9	14.4	2.59	250	0.017	1.05	0.01	0.71	0.5	0.74	2.8	47.0	7.95	<5	<2	38.30	7.66
3207395	Drill Core	24	0.28	0.006	1.4	3.3	0.57	145	<0.001	0.14	<0.01	0.03	<0.5	12.37	4.1	<0.5	20.87	<5	<2	17.40	0.97



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Method Analyte Unit MDL		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000
		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02
3207366	Drill Core	12.40	0.23	0.15	1.09	0.10	0.20	0.15	0.01	0.09	0.02	0.07	0.05	6.03	99.38	0.07	3.17	0.07
3207367	Rock	3.60	2.38	1.12	1.90	0.13	0.37	0.10	<0.01	0.09	<0.01	<0.01	<0.01	1.20	99.35	0.47	0.18	0.03
3207368	Drill Core	10.90	0.29	0.15	1.27	0.09	0.22	0.18	0.02	0.10	0.01	0.43	0.02	6.79	99.31	0.07	3.80	0.19
3207369	Drill Core	25.30	0.17	0.39	0.87	0.36	0.17	0.19	<0.01	0.07	<0.01	0.12	0.02	12.49	99.78	2.48	6.45	2.00
3207370	Drill Core	19.70	0.18	0.57	0.94	0.46	0.18	0.17	<0.01	0.06	<0.01	0.10	0.02	14.28	99.58	2.42	8.77	1.32
3207371	Drill Core	19.80	0.36	1.04	0.78	0.71	0.15	0.15	<0.01	0.06	<0.01	0.05	<0.01	14.98	99.59	8.10	7.68	1.89
3207372	Drill Core	20.30	0.58	1.00	0.84	0.85	0.16	0.20	<0.01	0.06	<0.01	0.16	0.01	16.92	100.09	8.02	9.38	1.61
3207373	Drill Core	22.00	1.07	1.05	0.69	0.94	0.14	0.22	<0.01	0.05	<0.01	0.08	0.02	16.32	99.56	8.32	8.38	1.64
3207374	Drill Core	6.39	0.16	0.29	0.45	0.26	0.08	0.11	<0.01	0.04	<0.01	0.18	0.01	5.73	100.29	1.94	3.86	0.45
3207375	Drill Core	16.30	0.31	0.92	0.58	0.65	0.11	0.14	<0.01	0.05	<0.01	0.08	0.23	12.46	99.91	7.44	6.42	1.10
3207376	Drill Core	21.00	0.54	1.12	0.91	0.81	0.17	0.21	0.01	0.07	<0.01	0.10	0.01	17.80	100.18	8.93	9.98	1.22
3207377	Drill Core	40.30	2.10	2.31	0.29	1.59	0.06	0.09	<0.01	0.01	<0.01	0.02	0.01	23.92	99.43	21.74	9.51	1.17
3207378	Drill Core	18.60	0.72	1.19	0.87	0.67	0.18	0.15	<0.01	0.07	<0.01	0.04	0.01	16.01	99.87	8.21	8.94	0.94
3207379	Drill Core	18.70	0.50	1.03	0.66	0.69	0.13	0.15	<0.01	0.06	<0.01	0.02	0.03	13.27	99.60	8.00	6.60	1.34
3207380	Drill Core	16.90	0.96	1.06	0.79	0.62	0.17	0.18	<0.01	0.07	<0.01	0.04	<0.01	13.80	100.26	7.67	7.49	0.98
3207381	Drill Core	23.70	0.55	1.21	0.87	0.85	0.18	0.20	<0.01	0.08	<0.01	0.02	0.04	16.78	100.14	9.41	8.36	1.83
3207382	Drill Core	21.50	1.42	1.31	0.83	0.83	0.17	0.18	<0.01	0.06	<0.01	0.07	0.05	15.74	98.78	10.04	8.03	1.34
3207383	Drill Core	28.00	0.89	1.20	0.77	1.17	0.15	0.10	<0.01	0.05	<0.01	0.09	0.02	16.69	99.33	10.78	7.29	1.39
3207384	Drill Core	20.50	1.73	1.27	0.43	0.82	0.09	0.09	<0.01	0.03	<0.01	0.12	0.03	11.94	97.87	8.68	5.39	1.75
3207385	Drill Core	8.95	5.90	2.02	1.73	0.37	0.34	0.20	<0.01	0.14	<0.01	0.05	0.13	11.68	98.17	7.40	5.59	1.56
3207386	Drill Core	10.20	9.91	3.34	0.78	0.48	0.18	0.20	<0.01	0.07	<0.01	0.03	0.09	17.17	99.27	13.12	7.26	0.74
3207387	Drill Core	5.78	2.00	1.17	2.55	0.17	0.57	0.11	0.01	0.23	<0.01	<0.01	<0.01	6.27	99.57	3.02	2.26	1.00
3207388	Drill Core	5.37	1.40	0.93	2.55	0.14	0.57	0.11	0.01	0.22	<0.01	<0.01	<0.01	5.50	99.31	2.35	2.00	1.03
3207389	Drill Core	5.14	0.17	0.61	2.73	0.12	0.61	0.10	0.01	0.23	<0.01	<0.01	<0.01	4.77	100.02	1.14	1.57	1.00
3207390	Drill Core	6.46	0.19	0.71	2.69	0.16	0.58	0.12	0.01	0.23	<0.01	<0.01	<0.01	5.08	99.26	1.56	1.73	1.10
3207391	Drill Core	8.09	0.25	0.74	2.28	0.24	0.51	0.16	0.01	0.21	<0.01	0.01	0.01	5.85	99.41	1.86	2.07	1.52
3207392	Drill Core	12.30	0.18	0.32	2.40	0.10	0.51	0.14	0.01	0.21	<0.01	0.01	0.01	7.79	99.31	0.53	1.35	7.67
3207393	Drill Core	21.90	0.37	0.34	1.54	0.15	0.33	0.09	<0.01	0.13	<0.01	5.76	0.58	12.68	99.51	1.34	1.25	16.02
3207394	Rock Pulp	11.00	6.96	4.82	3.52	0.30	0.25	0.12	<0.01	0.09	0.04	3.61	5.04	16.42	99.77	9.90	3.39	7.99
3207395	Drill Core	39.00	0.42	0.94	0.21	0.67	0.03	0.02	<0.01	0.02	0.01	14.48	2.51	21.24	99.67	8.37	3.03	21.41



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	Method Analyte Unit MDL	WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
3207396	Drill Core	1.46	13	<3	<2	2.3	184.0	>40000	33757	174.4	18.5	5.3	3905	13.58	24	2.3	1.5	<5	248.2	248.9	<0.5
3207397	Drill Core	1.42	12	<3	5	5.1	127.9	27797.3	27826	21.8	42.5	13.1	2572	10.71	48	2.7	4.4	10	185.1	42.2	<0.5
3207398	Drill Core	1.96	12	<3	<2	3.0	82.2	>40000	42563	185.5	17.2	7.1	2538	9.47	36	1.1	2.1	6	305.2	267.3	<0.5
3207399	Drill Core	2.50	10	<3	3	3.3	65.1	>40000	36676	176.0	19.5	7.3	2248	8.65	24	1.8	2.4	6	260.5	253.2	<0.5
3207400	Drill Core	1.86	11	<3	3	2.2	202.9	>40000	68707	87.5	20.9	11.7	3410	12.74	32	4.5	1.8	6	460.9	124.9	<0.5
3207401	Drill Core	1.12	3	<3	4	3.0	144.4	>40000	541	31.9	32.4	12.1	4524	15.27	99	0.9	2.5	7	7.0	40.8	<0.5
3207402	Drill Core	0.76	3	<3	9	5.6	55.4	881.1	96	0.9	59.9	13.6	2032	7.74	8	6.6	4.3	10	<0.5	4.5	<0.5
3207403	Drill Core	1.66	6	<3	7	2.0	435.3	>40000	307	92.0	22.9	4.6	6475	21.78	<5	2.9	1.5	6	7.3	115.1	<0.5
3207404	Drill Core	2.48	10	<3	7	1.6	298.8	>40000	964	85.5	41.8	9.3	9015	28.16	22	3.6	0.8	24	14.3	120.8	<0.5
3207405	Drill Core	3.23	4	<3	3	1.5	309.3	>40000	2975	30.3	37.6	9.8	6816	20.13	13	3.7	0.7	161	34.8	43.4	<0.5
3207406	Rock	0.65	2	<3	<2	0.7	4.9	32.8	31	<0.5	2.2	4.1	615	1.91	<5	<0.5	1.8	22	<0.5	<0.5	<0.5
3207407	Drill Core	3.07	4	<3	2	<0.5	22.1	73.0	67	<0.5	28.7	11.6	1281	3.58	13	2.0	14.7	232	<0.5	1.0	<0.5
3207408	Drill Core	2.53	7	<3	<2	<0.5	29.0	19.6	92	<0.5	44.9	18.5	464	4.41	14	2.0	19.8	45	<0.5	2.6	<0.5
3207409	Drill Core	2.95	6	<3	6	<0.5	23.0	38.2	141	<0.5	47.0	16.2	694	3.90	13	2.8	20.4	32	<0.5	2.7	<0.5
3207410	Drill Core	2.76	4	<3	5	<0.5	18.7	33.6	94	<0.5	32.7	18.9	407	3.95	15	2.1	21.3	22	<0.5	2.4	<0.5
3207411	Drill Core	2.19	3	<3	<2	<0.5	31.7	11.6	106	<0.5	38.8	23.7	460	5.24	16	1.9	20.1	21	<0.5	3.7	<0.5
3207412	Drill Core	5.24	5	<3	<2	0.5	32.1	38.8	305	<0.5	43.8	20.7	327	4.81	16	1.7	21.1	25	<0.5	3.9	<0.5
3207413	Drill Core	4.94	4	<3	<2	0.6	20.0	41.0	263	<0.5	41.3	19.4	309	4.45	18	1.8	22.4	24	<0.5	4.2	<0.5
3207414	Drill Core	5.32	4	<3	<2	<0.5	53.1	23.6	220	<0.5	43.1	16.8	465	5.17	6	2.4	20.9	24	<0.5	3.2	<0.5
3207415	Rock Pulp	0.08	138	5	4	1.7	940.5	65.9	5257	2.0	18.1	37.4	1211	7.95	85	<0.5	0.7	68	14.4	4.1	<0.5
3207416	Drill Core	5.49	3	3	<2	<0.5	33.3	33.8	204	<0.5	35.9	18.1	422	4.45	10	1.8	20.3	28	<0.5	2.1	<0.5
3207417	Drill Core	4.40	<2	<3	<2	<0.5	20.2	30.3	229	<0.5	36.9	17.0	358	4.02	16	1.8	19.5	24	<0.5	1.8	<0.5
3207418	Drill Core	4.99	<2	4	<2	0.7	20.3	43.8	276	<0.5	43.1	18.9	403	4.30	19	2.4	19.9	25	<0.5	3.2	<0.5
3207419	Rock	0.88	<2	<3	<2	1.2	8.2	6.1	39	<0.5	2.6	5.6	628	2.18	<5	<0.5	2.1	33	<0.5	<0.5	<0.5
3207420	Drill Core	4.55	<2	<3	<2	0.6	25.5	51.2	207	<0.5	46.1	22.5	530	5.39	17	2.9	19.0	24	<0.5	1.7	<0.5
3207421	Drill Core	6.35	3	<3	<2	0.7	18.2	86.6	474	<0.5	42.6	20.3	430	4.41	21	2.3	19.7	30	0.7	1.8	<0.5
3207422	Drill Core	5.56	3	<3	2	<0.5	35.9	99.7	354	<0.5	41.5	20.6	533	4.46	16	2.8	20.1	33	0.6	3.3	<0.5
3207423	Drill Core	4.70	3	<3	<2	<0.5	38.4	209.9	159	<0.5	40.4	17.9	451	4.45	16	2.3	18.4	22	<0.5	3.0	<0.5



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Project: MacMillan Pass
Report Date: November 25, 2018

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	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01
3207396	Drill Core	27	0.11	0.019	4.0	4.9	0.40	106	<0.001	0.29	<0.01	0.07	<0.5	15.88	1.4	0.7	11.70	<5	<2	31.40	2.79
3207397	Drill Core	28	0.16	0.045	9.7	7.5	0.27	174	0.002	0.30	<0.01	0.15	<0.5	14.24	1.1	0.6	7.34	<5	3	57.20	7.09
3207398	Drill Core	30	0.12	0.025	5.2	6.5	0.29	147	<0.001	0.32	<0.01	0.11	<0.5	22.77	1.2	0.6	9.53	<5	2	35.50	3.81
3207399	Drill Core	29	0.15	0.024	5.4	5.8	0.24	135	<0.001	0.30	<0.01	0.10	<0.5	19.65	1.1	0.6	8.97	<5	<2	39.70	4.16
3207400	Drill Core	26	0.22	0.022	5.1	6.8	0.34	100	<0.001	0.36	<0.01	0.07	<0.5	30.54	1.3	<0.5	10.31	<5	2	41.30	3.37
3207401	Drill Core	39	0.17	0.030	7.1	9.3	0.50	116	0.002	0.31	<0.01	0.11	<0.5	0.40	2.1	<0.5	4.95	<5	<2	51.70	5.08
3207402	Drill Core	44	0.17	0.052	11.8	13.4	0.26	166	0.004	0.47	<0.01	0.16	<0.5	0.19	2.3	<0.5	1.59	<5	<2	68.20	8.15
3207403	Drill Core	51	0.25	0.024	4.2	10.6	0.77	77	0.002	0.50	<0.01	0.06	<0.5	0.18	2.5	<0.5	6.85	<5	<2	25.80	2.82
3207404	Drill Core	49	1.12	0.014	2.1	8.0	1.26	49	0.002	0.47	<0.01	0.04	<0.5	0.40	2.2	<0.5	8.34	<5	3	10.50	1.60
3207405	Drill Core	62	4.06	0.022	2.1	12.9	1.52	20	0.002	0.71	<0.01	0.02	<0.5	1.35	2.1	<0.5	3.36	<5	3	31.70	1.96
3207406	Rock	26	0.79	0.041	5.4	2.4	0.53	49	0.095	0.98	0.09	0.12	<0.5	<0.05	4.2	<0.5	<0.05	<5	<2	70.30	14.10
3207407	Drill Core	<10	5.03	0.055	43.0	4.1	1.26	138	<0.001	0.48	0.01	0.24	<0.5	<0.05	4.7	<0.5	0.16	<5	<2	46.70	18.90
3207408	Drill Core	11	0.61	0.086	54.4	19.4	0.64	156	0.003	2.08	0.02	0.26	<0.5	0.07	3.9	<0.5	0.62	6	<2	54.70	23.60
3207409	Drill Core	10	0.38	0.089	63.1	18.1	0.54	173	0.002	1.96	0.02	0.27	<0.5	<0.05	2.9	<0.5	0.56	5	<2	56.00	23.60
3207410	Drill Core	11	0.18	0.066	60.9	18.7	0.53	210	0.002	1.97	0.02	0.27	<0.5	0.08	2.5	<0.5	0.67	5	<2	55.00	24.90
3207411	Drill Core	16	0.13	0.055	59.3	23.5	0.75	158	0.003	2.62	0.02	0.31	<0.5	0.09	3.2	<0.5	0.66	7	<2	55.20	24.20
3207412	Drill Core	14	0.24	0.093	52.2	21.9	0.71	121	0.002	2.42	0.02	0.25	<0.5	0.08	2.3	<0.5	0.87	6	<2	57.70	22.70
3207413	Drill Core	14	0.19	0.080	57.5	24.1	0.71	144	0.003	2.44	0.02	0.25	<0.5	0.09	2.5	<0.5	0.65	7	<2	57.60	23.10
3207414	Drill Core	15	0.18	0.071	59.1	23.8	0.82	155	0.002	2.68	0.02	0.25	<0.5	0.05	3.6	<0.5	0.61	7	<2	54.80	24.30
3207415	Rock Pulp	157	3.70	0.055	5.1	25.3	2.10	128	0.177	3.47	0.14	0.21	1.1	0.46	21.1	0.5	1.57	10	5	51.70	13.20
3207416	Drill Core	15	0.18	0.082	57.8	23.6	0.73	150	0.002	2.48	0.02	0.29	<0.5	0.09	2.7	<0.5	0.56	6	<2	54.70	24.60
3207417	Drill Core	13	0.18	0.070	57.0	21.7	0.67	130	0.002	2.27	0.02	0.29	<0.5	0.07	3.5	<0.5	0.43	6	<2	58.20	22.70
3207418	Drill Core	15	0.16	0.067	53.0	23.9	0.72	140	0.002	2.40	0.02	0.26	<0.5	<0.05	2.7	<0.5	0.51	6	<2	60.50	20.70
3207419	Rock	35	0.83	0.043	6.9	4.2	0.59	70	0.121	1.29	0.14	0.12	<0.5	<0.05	4.4	<0.5	<0.05	5	<2	69.70	14.10
3207420	Drill Core	18	0.14	0.053	52.4	25.5	0.91	132	0.003	2.83	0.02	0.26	<0.5	<0.05	4.0	<0.5	0.52	8	<2	60.10	20.40
3207421	Drill Core	14	0.20	0.067	56.1	22.5	0.73	126	0.002	2.40	0.02	0.26	<0.5	0.08	3.1	<0.5	0.48	6	<2	59.70	21.30
3207422	Drill Core	15	0.35	0.073	55.2	22.6	0.76	132	0.003	2.38	0.02	0.27	<0.5	0.10	3.6	<0.5	0.51	6	<2	56.80	22.70
3207423	Drill Core	13	0.17	0.078	48.6	20.5	0.70	107	0.002	2.35	0.02	0.25	<0.5	<0.05	3.0	<0.5	0.45	5	<2	54.70	24.60



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	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725
		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
3207396	Drill Core	19.60	0.13	0.66	0.63	0.51	0.13	0.05	<0.01	0.03	0.03	23.86	3.40	10.37	96.28	5.55	2.30	11.65	
3207397	Drill Core	15.50	0.21	0.54	1.79	0.32	0.43	0.11	<0.01	0.17	<0.01	2.55	2.77	9.73	99.36	4.06	2.08	7.20	
3207398	Drill Core	13.50	0.15	0.49	0.90	0.35	0.21	0.06	<0.01	0.06	0.02	24.70	4.16	7.03	93.89	4.37	1.99	9.43	
3207399	Drill Core	12.60	0.16	0.41	0.99	0.32	0.21	0.06	0.01	0.07	0.02	24.61	3.69	6.74	96.56	3.24	1.86	8.99	
3207400	Drill Core	18.40	0.27	0.54	0.78	0.45	0.17	0.05	<0.01	0.06	0.01	12.81	6.88	11.19	98.97	5.34	2.12	10.69	
3207401	Drill Core	22.20	0.26	0.90	1.25	0.58	0.28	0.07	<0.01	0.11	<0.01	4.48	0.06	12.25	99.65	7.31	3.35	5.00	
3207402	Drill Core	12.00	0.26	0.52	1.99	0.28	0.45	0.12	0.01	0.19	<0.01	0.09	<0.01	7.46	99.82	3.71	2.44	1.70	
3207403	Drill Core	33.50	0.38	1.32	0.53	0.87	0.15	0.06	<0.01	0.03	0.04	14.95	0.04	17.47	99.14	13.90	4.88	7.06	
3207404	Drill Core	43.60	1.63	2.14	0.22	1.19	0.06	0.04	<0.01	<0.01	0.03	14.21	0.11	23.59	100.05	17.22	6.51	8.48	
3207405	Drill Core	30.50	5.87	2.55	0.16	0.89	0.08	0.05	<0.01	<0.01	0.03	5.34	0.31	17.83	97.77	17.37	6.24	3.47	
3207406	Rock	3.52	2.44	1.12	1.80	0.12	0.39	0.10	<0.01	0.08	<0.01	<0.01	<0.01	1.25	99.81	0.39	0.15	0.02	
3207407	Drill Core	5.86	6.91	2.43	4.71	0.19	0.75	0.15	0.01	0.28	<0.01	0.01	<0.01	12.30	99.53	7.71	3.22	0.15	
3207408	Drill Core	6.96	0.84	1.32	5.24	0.08	0.89	0.20	0.01	0.28	<0.01	<0.01	<0.01	4.93	99.43	0.87	0.60	0.60	
3207409	Drill Core	6.18	0.54	1.16	5.28	0.11	0.89	0.22	0.02	0.28	<0.01	<0.01	0.01	4.68	99.32	0.52	0.50	0.54	
3207410	Drill Core	6.22	0.22	1.15	5.59	0.07	0.91	0.15	0.02	0.29	<0.01	<0.01	<0.01	4.57	99.48	0.14	0.33	0.62	
3207411	Drill Core	8.19	0.18	1.52	5.14	0.08	0.89	0.14	0.02	0.27	<0.01	0.01	0.01	4.78	100.99	0.12	0.28	0.64	
3207412	Drill Core	7.41	0.29	1.43	4.74	0.06	0.86	0.21	0.02	0.22	<0.01	0.01	0.03	4.38	100.45	0.07	0.31	0.84	
3207413	Drill Core	7.07	0.26	1.44	4.81	0.06	0.86	0.21	0.02	0.22	<0.01	<0.01	0.03	4.30	100.36	0.07	0.33	0.61	
3207414	Drill Core	7.82	0.26	1.59	4.99	0.08	0.86	0.18	0.02	0.23	<0.01	<0.01	0.02	4.68	100.26	0.17	0.35	0.58	
3207415	Rock Pulp	13.10	6.91	3.96	0.51	0.21	0.59	0.13	<0.01	0.03	0.09	0.01	0.54	5.29	98.98	2.89	1.00	1.63	
3207416	Drill Core	7.00	0.27	1.47	5.18	0.07	0.86	0.20	0.02	0.23	<0.01	<0.01	0.02	4.63	99.70	0.08	0.34	0.56	
3207417	Drill Core	6.24	0.23	1.33	4.77	0.06	0.82	0.17	0.02	0.20	<0.01	<0.01	0.02	4.22	99.38	0.11	0.32	0.43	
3207418	Drill Core	6.64	0.22	1.40	4.22	0.07	0.82	0.16	0.02	0.17	<0.01	<0.01	0.03	3.86	99.19	0.12	0.26	0.50	
3207419	Rock	3.68	2.40	1.17	1.81	0.12	0.38	0.10	<0.01	0.08	<0.01	<0.01	<0.01	1.22	99.33	0.38	0.12	0.04	
3207420	Drill Core	8.26	0.19	1.73	3.91	0.08	0.77	0.14	0.01	0.16	<0.01	<0.01	0.02	3.98	100.10	0.13	0.25	0.50	
3207421	Drill Core	6.76	0.27	1.42	4.30	0.08	0.82	0.17	0.01	0.18	<0.01	<0.01	0.05	4.04	99.49	0.20	0.29	0.47	
3207422	Drill Core	6.94	0.48	1.50	4.71	0.08	0.85	0.19	0.01	0.19	<0.01	0.01	0.03	4.50	99.45	0.37	0.45	0.50	
3207423	Drill Core	7.11	0.25	1.48	5.07	0.08	0.92	0.19	0.01	0.20	<0.01	0.02	0.02	4.56	99.72	0.10	0.34	0.45	



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	Method Analyte Unit MDL	WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
3207367	Rock	0.87	<2	<3	<2	1.0	7.3	3.1	37	<0.5	2.0	4.4	729	2.09	<5	<0.5	1.8	29	<0.5	<0.5	<0.5
3207401	Drill Core	1.12	3	<3	4	3.0	144.4	>40000	541	31.9	32.4	12.1	4524	15.27	99	0.9	2.5	7	7.0	40.8	<0.5
Pulp Duplicates																					
3207366	Drill Core	4.58	7	4	8	88.5	158.9	773.5	226	2.2	115.1	7.8	590	8.23	43	7.5	2.5	11	<0.5	7.7	<0.5
REP 3207366	QC																				
3207376	Drill Core	4.64	7	<3	7	96.6	67.8	1015.4	134	1.7	330.2	7.0	6213	13.52	21	13.3	1.7	8	<0.5	8.6	<0.5
REP 3207376	QC																				
3207377	Drill Core	3.67	6	<3	4	38.4	46.1	220.8	143	<0.5	140.3	7.3	12744	27.21	72	4.0	0.7	25	<0.5	7.1	<0.5
REP 3207377	QC		8	6	3																
3207378	Drill Core	5.27	7	<3	7	109.1	64.8	426.6	137	0.7	267.4	8.6	5168	12.36	31	8.3	1.9	13	<0.5	8.2	<0.5
REP 3207378	QC					111.4	65.5	429.4	136	0.7	252.4	8.5	5211	12.45	32	8.6	1.7	13	<0.5	7.9	<0.5
REP 3207381	QC																				
3207382	Drill Core	4.14	10	<3	6	72.7	45.9	762.6	505	1.1	185.7	9.5	6420	14.43	40	7.2	1.7	21	2.0	10.5	<0.5
REP 3207382	QC																				
3207389	Drill Core	2.59	11	3	7	3.9	73.9	72.6	28	0.7	67.9	11.6	756	3.23	6	2.0	6.3	9	<0.5	4.0	<0.5
REP 3207389	QC		14	<3	4																
3207396	Drill Core	1.46	13	<3	<2	2.3	184.0	>40000	33757	174.4	18.5	5.3	3905	13.58	24	2.3	1.5	<5	248.2	248.9	<0.5
REP 3207396	QC																				
3207399	Drill Core	2.50	10	<3	3	3.3	65.1	>40000	36676	176.0	19.5	7.3	2248	8.65	24	1.8	2.4	6	260.5	253.2	<0.5
REP 3207399	QC																				
3207409	Drill Core	2.95	6	<3	6	<0.5	23.0	38.2	141	<0.5	47.0	16.2	694	3.90	13	2.8	20.4	32	<0.5	2.7	<0.5
REP 3207409	QC																				
3207410	Drill Core	2.76	4	<3	5	<0.5	18.7	33.6	94	<0.5	32.7	18.9	407	3.95	15	2.1	21.3	22	<0.5	2.4	<0.5
REP 3207410	QC		10	<3	7																
3207412	Drill Core	5.24	5	<3	<2	0.5	32.1	38.8	305	<0.5	43.8	20.7	327	4.81	16	1.7	21.1	25	<0.5	3.9	<0.5
REP 3207412	QC					0.5	33.8	39.5	313	<0.5	42.6	18.2	304	4.82	14	1.6	20.0	26	<0.5	3.6	<0.5
3207417	Drill Core	4.40	<2	<3	<2	<0.5	20.2	30.3	229	<0.5	36.9	17.0	358	4.02	16	1.8	19.5	24	<0.5	1.8	<0.5
REP 3207417	QC																				
3207419	Rock	0.88	<2	<3	<2	1.2	8.2	6.1	39	<0.5	2.6	5.6	628	2.18	<5	<0.5	2.1	33	<0.5	<0.5	<0.5



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	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	69.90	14.10
3207367	Rock	32	0.84	0.049	6.5	3.5	0.57	57	0.110	1.16	0.11	0.09	<0.5	<0.05	4.6	<0.5	<0.05	<5	<2	69.90	14.10
3207401	Drill Core	39	0.17	0.030	7.1	9.3	0.50	116	0.002	0.31	<0.01	0.11	<0.5	0.40	2.1	<0.5	4.95	<5	<2	51.70	5.08
Pulp Duplicates																					
3207366	Drill Core	488	0.16	0.076	16.3	15.6	0.02	173	0.003	0.33	<0.01	0.17	1.4	0.22	2.0	0.7	0.07	<5	15	74.50	4.27
REP 3207366	QC																			74.60	4.27
3207376	Drill Core	564	0.37	0.090	10.5	22.0	0.62	137	0.002	0.30	<0.01	0.15	<0.5	0.10	2.6	0.6	1.20	<5	21	53.90	3.50
REP 3207376	QC																			53.70	3.48
3207377	Drill Core	260	1.47	0.037	5.8	12.8	1.39	54	0.001	0.14	<0.01	0.05	<0.5	0.06	3.2	<0.5	1.15	<5	5	27.50	1.20
REP 3207377	QC																				
3207378	Drill Core	399	0.48	0.065	13.0	20.0	0.67	135	0.002	0.28	<0.01	0.13	<0.5	0.19	3.1	<0.5	0.93	<5	13	57.90	3.42
REP 3207378	QC	377	0.52	0.068	12.0	20.0	0.67	121	0.001	0.26	<0.01	0.12	<0.5	0.17	3.2	<0.5	0.95	<5	13		
REP 3207381	QC																				
3207382	Drill Core	182	1.02	0.074	12.9	11.5	0.75	95	0.002	0.22	<0.01	0.10	<0.5	0.28	2.7	<0.5	1.37	<5	8	53.30	3.27
REP 3207382	QC																				
3207389	Drill Core	28	0.11	0.042	17.3	9.3	0.24	171	0.001	0.63	<0.01	0.18	<0.5	<0.05	1.5	<0.5	1.02	<5	4	74.20	11.20
REP 3207389	QC																				
3207396	Drill Core	27	0.11	0.019	4.0	4.9	0.40	106	<0.001	0.29	<0.01	0.07	<0.5	15.88	1.4	0.7	11.70	<5	<2	31.40	2.79
REP 3207396	QC																				
3207399	Drill Core	29	0.15	0.024	5.4	5.8	0.24	135	<0.001	0.30	<0.01	0.10	<0.5	19.65	1.1	0.6	8.97	<5	<2	39.70	4.16
REP 3207399	QC																			39.60	4.13
3207409	Drill Core	10	0.38	0.089	63.1	18.1	0.54	173	0.002	1.96	0.02	0.27	<0.5	<0.05	2.9	<0.5	0.56	5	<2	56.00	23.60
REP 3207409	QC																			56.10	23.60
3207410	Drill Core	11	0.18	0.066	60.9	18.7	0.53	210	0.002	1.97	0.02	0.27	<0.5	0.08	2.5	<0.5	0.67	5	<2	55.00	24.90
REP 3207410	QC																				
3207412	Drill Core	14	0.24	0.093	52.2	21.9	0.71	121	0.002	2.42	0.02	0.25	<0.5	0.08	2.3	<0.5	0.87	6	<2	57.70	22.70
REP 3207412	QC	14	0.22	0.085	50.2	22.7	0.71	116	0.003	2.42	0.02	0.22	<0.5	0.09	3.0	<0.5	0.86	6	<2		
3207417	Drill Core	13	0.18	0.070	57.0	21.7	0.67	130	0.002	2.27	0.02	0.29	<0.5	0.07	3.5	<0.5	0.43	6	<2	58.20	22.70
REP 3207417	QC																				
3207419	Rock	35	0.83	0.043	6.9	4.2	0.59	70	0.121	1.29	0.14	0.12	<0.5	<0.05	4.4	<0.5	<0.05	5	<2	69.70	14.10



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	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	
		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
3207367	Rock	3.60	2.38	1.12	1.90	0.13	0.37	0.10	<0.01	0.09	<0.01	<0.01	<0.01	1.20	99.35	0.47	0.18	0.03	
3207401	Drill Core	22.20	0.26	0.90	1.25	0.58	0.28	0.07	<0.01	0.11	<0.01	4.48	0.06	12.25	99.65	7.31	3.35	5.00	
Pulp Duplicates																			
3207366	Drill Core	12.40	0.23	0.15	1.09	0.10	0.20	0.15	0.01	0.09	0.02	0.07	0.05	6.03	99.38	0.07	3.17	0.07	
REP 3207366	QC	12.50	0.23	0.15	1.11	0.10	0.20	0.15	<0.01	0.09	0.02	0.08	0.02	6.03	99.59				
3207376	Drill Core	21.00	0.54	1.12	0.91	0.81	0.17	0.21	0.01	0.07	<0.01	0.10	0.01	17.80	100.18	8.93	9.98	1.22	
REP 3207376	QC	20.90	0.54	1.12	0.90	0.80	0.17	0.21	0.01	0.07	<0.01	0.10	<0.01	17.80	99.84				
3207377	Drill Core	40.30	2.10	2.31	0.29	1.59	0.06	0.09	<0.01	0.01	<0.01	0.02	0.01	23.92	99.43	21.74	9.51	1.17	
REP 3207377	QC																		
3207378	Drill Core	18.60	0.72	1.19	0.87	0.67	0.18	0.15	<0.01	0.07	<0.01	0.04	0.01	16.01	99.87	8.21	8.94	0.94	
REP 3207378	QC																		
REP 3207381	QC																10.11		
3207382	Drill Core	21.50	1.42	1.31	0.83	0.83	0.17	0.18	<0.01	0.06	<0.01	0.07	0.05	15.74	98.78	10.04	8.03	1.34	
REP 3207382	QC																10.16		
3207389	Drill Core	5.14	0.17	0.61	2.73	0.12	0.61	0.10	0.01	0.23	<0.01	<0.01	<0.01	4.77	100.02	1.14	1.57	1.00	
REP 3207389	QC																		
3207396	Drill Core	19.60	0.13	0.66	0.63	0.51	0.13	0.05	<0.01	0.03	0.03	23.86	3.40	10.37	96.28	5.55	2.30	11.65	
REP 3207396	QC																2.28 11.99		
3207399	Drill Core	12.60	0.16	0.41	0.99	0.32	0.21	0.06	0.01	0.07	0.02	24.61	3.69	6.74	96.56	3.24	1.86	8.99	
REP 3207399	QC	12.60	0.16	0.42	1.00	0.32	0.21	0.06	0.01	0.08	0.02	>25	3.73	6.74	97.50				
3207409	Drill Core	6.18	0.54	1.16	5.28	0.11	0.89	0.22	0.02	0.28	<0.01	<0.01	0.01	4.68	99.32	0.52	0.50	0.54	
REP 3207409	QC	6.23	0.54	1.16	5.19	0.11	0.90	0.22	0.02	0.28	<0.01	<0.01	0.01	4.68	99.40				
3207410	Drill Core	6.22	0.22	1.15	5.59	0.07	0.91	0.15	0.02	0.29	<0.01	<0.01	<0.01	4.57	99.48	0.14	0.33	0.62	
REP 3207410	QC																		
3207412	Drill Core	7.41	0.29	1.43	4.74	0.06	0.86	0.21	0.02	0.22	<0.01	0.01	0.03	4.38	100.45	0.07	0.31	0.84	
REP 3207412	QC																		
3207417	Drill Core	6.24	0.23	1.33	4.77	0.06	0.82	0.17	0.02	0.20	<0.01	<0.01	0.02	4.22	99.38	0.11	0.32	0.43	
REP 3207417	QC																0.12		
3207419	Rock	3.68	2.40	1.17	1.81	0.12	0.38	0.10	<0.01	0.08	<0.01	<0.01	<0.01	1.22	99.33	0.38	0.12	0.04	



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		WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
REP 3207419	QC		<2	<3	<2																
3207422	Drill Core	5.56	3	<3	2	<0.5	35.9	99.7	354	<0.5	41.5	20.6	533	4.46	16	2.8	20.1	33	0.6	3.3	<0.5
REP 3207422	QC																				
3207423	Drill Core	4.70	3	<3	<2	<0.5	38.4	209.9	159	<0.5	40.4	17.9	451	4.45	16	2.3	18.4	22	<0.5	3.0	<0.5
REP 3207423	QC																				
Core Reject Duplicates																					
3207381	Drill Core	4.86	8	<3	6	87.7	80.9	201.8	417	0.5	292.0	9.9	6565	15.91	68	7.4	1.9	14	2.0	11.4	<0.5
DUP 3207381	QC		10	3	5	88.6	73.0	194.0	376	<0.5	277.9	10.2	6896	16.05	69	7.4	1.8	13	1.7	11.5	<0.5
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD GBM309-15	Standard																				
STD GBM398-4-AR	Standard					922.3	3976.3	11689.2	5325	50.1	4211.9	2068.7	5344	3.92	7	0.7	0.8	14	9.3	7.0	12.6
STD GBM398-4-AR	Standard					909.5	3897.8	11468.7	5016	49.3	4111.1	1974.5	5315	3.58	<5	0.7	0.7	12	9.2	7.2	12.9
STD GBM398-4-AR	Standard					904.3	3953.2	11538.5	5286	49.5	4142.8	1952.9	5244	3.75	<5	0.6	0.7	11	7.9	6.9	13.5
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard					8.5	309.4	17077.5	28158	56.2	35.8	30.8	4049	8.90	969	9.3	10.2	26	71.9	36.9	4.7
STD OREAS133B(D)	Standard																				



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		AQ270 V ppm 10	AQ270 Ca % 0.01	AQ270 P % 0.001	AQ270 La ppm 0.5	AQ270 Cr ppm 0.5	AQ270 Mg % 0.01	AQ270 Ba ppm 5	AQ270 Ti % 0.001	AQ270 Al % 0.01	AQ270 Na % 0.01	AQ270 K % 0.01	AQ270 W ppm 0.5	AQ270 Hg ppm 0.05	AQ270 Sc ppm 0.5	AQ270 Ti ppm 0.5	AQ270 S % 0.05	AQ270 Ga ppm 5	AQ270 Se ppm 2	LF725 SiO2 % 0.01	LF725 Al2O3 % 0.01
REP 3207419	QC																				
3207422	Drill Core	15	0.35	0.073	55.2	22.6	0.76	132	0.003	2.38	0.02	0.27	<0.5	0.10	3.6	<0.5	0.51	6	<2	56.80	22.70
REP 3207422	QC																			56.70	22.70
3207423	Drill Core	13	0.17	0.078	48.6	20.5	0.70	107	0.002	2.35	0.02	0.25	<0.5	<0.05	3.0	<0.5	0.45	5	<2	54.70	24.60
REP 3207423	QC																				
Core Reject Duplicates																					
3207381	Drill Core	384	0.37	0.089	12.7	22.7	0.68	143	0.002	0.27	<0.01	0.12	<0.5	0.24	3.2	<0.5	1.83	<5	12	52.10	3.51
DUP 3207381	QC	388	0.40	0.095	13.1	22.5	0.70	149	0.002	0.31	<0.01	0.13	<0.5	0.23	3.0	<0.5	1.74	<5	13	51.60	3.30
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD GBM309-15	Standard																				
STD GBM398-4-AR	Standard	26	0.35	0.019	2.9	2030.7	0.13	21	0.115	0.52	0.25	0.10	2.9	3.04	1.5	<0.5	0.96	<5	3		
STD GBM398-4-AR	Standard	23	0.31	0.020	2.2	1966.9	0.13	18	0.110	0.46	0.24	0.11	3.1	3.46	1.6	<0.5	0.92	<5	<2		
STD GBM398-4-AR	Standard	25	0.32	0.014	2.6	1982.2	0.12	19	0.110	0.43	0.24	0.10	2.5	3.20	1.2	<0.5	0.96	<5	4		
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard	34	1.81	0.103	39.7	23.6	0.83	384	0.027	1.13	0.02	0.55	2.6	1.15	3.7	6.1	7.36	8	<2		
STD OREAS133B(D)	Standard																			33.60	6.84



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		LF725 Fe2O3 %	LF725 CaO %	LF725 MgO %	LF725 K2O %	LF725 MnO %	LF725 TiO2 %	LF725 P2O5 %	LF725 Cr2O3 %	LF725 Ba %	LF725 Cu %	LF725 Pb %	LF725 Zn %	LF725 LOI %	LF725 SUM_T %	TC006 CO2 %	TC000 TOT/C %	TC000 TOT/S %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
REP 3207419	QC																	
3207422	Drill Core	6.94	0.48	1.50	4.71	0.08	0.85	0.19	0.01	0.19	<0.01	0.01	0.03	4.50	99.45	0.37	0.45	0.50
REP 3207422	QC	6.96	0.48	1.51	4.71	0.08	0.85	0.19	0.01	0.19	<0.01	0.01	0.03	4.50	99.38			
3207423	Drill Core	7.11	0.25	1.48	5.07	0.08	0.92	0.19	0.01	0.20	<0.01	0.02	0.02	4.56	99.72	0.10	0.34	0.45
REP 3207423	QC	0.11																
Core Reject Duplicates																		
3207381	Drill Core	23.70	0.55	1.21	0.87	0.85	0.18	0.20	<0.01	0.08	<0.01	0.02	0.04	16.78	100.14	9.41	8.36	1.83
DUP 3207381	QC	24.10	0.54	1.25	0.83	0.87	0.18	0.19	<0.01	0.07	<0.01	0.01	0.03	16.90	99.92	10.15	8.18	1.73
Reference Materials																		
STD COO1	Standard	2.55																
STD COO1	Standard	2.16																
STD COO1	Standard	2.23																
STD COO1	Standard	2.30																
STD COO1	Standard	2.37																
STD COO1	Standard	2.39																
STD COO1	Standard	2.33																
STD COO1	Standard	2.20																
STD COO1	Standard	2.30																
STD COO1	Standard	2.32																
STD GBM309-15	Standard	0.20 27.61																
STD GBM398-4-AR	Standard																	
STD GBM398-4-AR	Standard																	
STD GBM398-4-AR	Standard																	
STD GS311-1	Standard	1.03 2.40																
STD GS311-1	Standard	1.07 2.32																
STD GS910-4	Standard	2.75 8.39																
STD GS910-4	Standard	2.80 8.15																
STD OREAS135	Standard																	
STD OREAS133B(D)	Standard	11.50	5.29	3.70	3.44	0.16	0.24	0.10	<0.01	0.08	0.03	5.06	11.33	13.00	97.55			



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		WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard					1.2	10946.3	214.1	738	4.8	31.9	31.0	1069	8.02	13	1.6	12.2	12	1.1	1.2	60.9
STD OREAS927-AR	Standard					1.0	10769.8	235.4	732	3.9	28.4	29.7	1088	8.09	14	1.7	13.2	13	1.1	1.2	64.7
STD OREAS927-AR	Standard					1.2	10754.1	223.2	658	4.3	28.6	27.6	1092	8.10	10	1.5	13.1	13	0.9	1.3	68.2
STD OREAS927-AR	Standard					0.9	10726.1	240.5	744	4.6	29.0	30.7	1146	8.03	13	1.7	13.6	11	0.8	1.3	75.9
STD PD05	Standard		511	432	605																
STD PD05	Standard		506	446	604																
STD PD05	Standard		498	420	587																
STD PD05	Standard		504	428	605																
STD PG04	Standard		938	885	1163																
STD PG04	Standard		935	857	1145																
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD GBM309-15 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD OREAS135 Expected						8.25	282	17000	28000	55.2	33.7	28	3960	8.97	883	8.89	9.67		61	38	4.35
STD COO1 Expected																					
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					
STD PG04 Expected			1004	903	1196																
STD PD05 Expected			519	430	596																
STD GBM398-4-AR Expected						917	3919	11750	5345	49.2	4135	1950	5260	3.95	6	0.7	0.8	13	9.2	7.2	12.9



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		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
STD OREAS133B(D)	Standard																			33.70	6.81
STD OREAS133B(D)	Standard																			33.70	6.83
STD OREAS72B	Standard																			51.40	8.99
STD OREAS72B	Standard																			51.30	9.00
STD OREAS72B	Standard																			51.40	8.95
STD OREAS927-AR	Standard	35	0.30	0.060	26.2	40.8	1.93	42	0.087	3.21	<0.01	0.26	5.0	0.08	5.3	<0.5	1.80	8	16		
STD OREAS927-AR	Standard	35	0.29	0.052	28.3	43.1	1.90	50	0.095	3.20	<0.01	0.30	5.3	0.13	3.7	<0.5	1.79	9	17		
STD OREAS927-AR	Standard	34	0.30	0.054	26.5	40.9	1.87	46	0.079	3.19	<0.01	0.26	5.5	0.13	4.2	<0.5	1.76	10	13		
STD OREAS927-AR	Standard	36	0.30	0.045	27.4	41.8	1.92	45	0.074	3.23	<0.01	0.26	5.2	0.10	4.1	0.8	1.79	9	13		
STD PD05	Standard																				
STD PD05	Standard																				
STD PD05	Standard																				
STD PD05	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD SY-4(D)	Standard																			49.60	20.70
STD SY-4(D)	Standard																			49.60	20.70
STD SY-4(D)	Standard																			49.60	20.70
STD GBM309-15 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD OREAS135 Expected		33.4	1.83	0.086	39.8	22	0.833	366	0.026	1.09		0.487	2.93	1.21	3.51	6.61	7.08	5.25			
STD COO1 Expected																					
STD SY-4(D) Expected																				49.9	20.69
STD OREAS72B Expected																				51.16	8.97
STD OREAS133B(D) Expected																				33.83	6.91
STD PG04 Expected																					
STD PD05 Expected																					
STD GBM398-4-AR Expected		24	0.34	0.02	2.8	1950	0.12	21	0.111	0.48	0.25	0.11	3	3.21	1.79		0.94		3		



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		LF725 Fe2O3 %	LF725 CaO %	LF725 MgO %	LF725 K2O %	LF725 MnO %	LF725 TiO2 %	LF725 P2O5 %	LF725 Cr2O3 %	LF725 Ba %	LF725 Cu %	LF725 Pb %	LF725 Zn %	LF725 LOI %	LF725 SUM_T %	TC006 CO2 %	TC000 TOT/C %	TC000 TOT/S %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
STD OREAS133B(D)	Standard	11.50	5.31	3.70	3.43	0.16	0.23	0.10	<0.01	0.07	0.03	5.06	11.33	13.00	97.61			
STD OREAS133B(D)	Standard	11.50	5.30	3.70	3.45	0.16	0.23	0.10	<0.01	0.07	0.03	5.06	11.33	13.00	97.64			
STD OREAS72B	Standard	9.92	3.98	15.90	1.31	0.15	0.35	0.06	0.15	0.03	0.02	<0.01	<0.01	5.12	98.68			
STD OREAS72B	Standard	9.88	3.97	15.90	1.31	0.15	0.35	0.06	0.14	0.03	0.02	<0.01	<0.01	5.12	98.54			
STD OREAS72B	Standard	9.90	3.98	15.90	1.32	0.15	0.35	0.06	0.14	0.03	0.02	<0.01	<0.01	5.12	98.63			
STD OREAS927-AR	Standard																	
STD OREAS927-AR	Standard																	
STD OREAS927-AR	Standard																	
STD OREAS927-AR	Standard																	
STD PD05	Standard																	
STD PD05	Standard																	
STD PD05	Standard																	
STD PD05	Standard																	
STD PG04	Standard																	
STD PG04	Standard																	
STD SY-4(D)	Standard	6.17	7.99	0.52	1.65	0.11	0.29	0.17	<0.01	0.03	<0.01	<0.01	0.02	4.56	98.75			
STD SY-4(D)	Standard	6.17	8.00	0.53	1.65	0.11	0.29	0.17	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.77			
STD SY-4(D)	Standard	6.17	8.01	0.53	1.66	0.11	0.29	0.17	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.78			
STD GBM309-15 Expected																	0.22	28.84
STD GS311-1 Expected																	1.02	2.35
STD GS910-4 Expected																	2.65	8.27
STD OREAS135 Expected																		
STD COO1 Expected																2.37		
STD SY-4(D) Expected		6.21		0.54	1.66	0.108	0.287	0.131		0.0345				4.56				
STD OREAS72B Expected		9.724	3.96	15.933	1.313	0.13	0.355	0.061	0.142	0.0335	0.0193			5.12				
STD OREAS133B(D) Expected		11.67	5.4	3.73						0.08	0.032	5.06	11.35					
STD PG04 Expected																		
STD PD05 Expected																		
STD GBM398-4-AR Expected																		



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		WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
STD OREAS927-AR Expected		1.06 10715 212 726 4.9 30.9 29.4 1110 8.15 13.5 1.7 12.5 13.1 1.1 1.3 66																			
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5 <0.5 1.0 <5 <0.5 <0.5 <0.5 <5 <0.01 <5 <0.5 <0.5 <5 <0.5 <0.5 <0.5																			
BLK	Blank																				
BLK	Blank	<2 <3 <2																			
BLK	Blank																				
SI BLK	Blank																				
BLK	Blank	<0.5 <0.5 <0.5 <5 <0.5 1.1 <0.5 <5 <0.01 <5 <0.5 <0.5 <5 <0.5 <0.5 <0.5																			
BLK	Blank	3 <3 <2																			
BLK	Blank	3 <3 <2																			
BLK	Blank	2 <3 <2																			
BLK	Blank	3 <3 <2																			
SI BLK	Blank																				
SI BLK	Blank																				
BLK	Blank	<2 <3 <2																			
BLK	Blank	2 <3 4																			
BLK	Blank	<0.5 <0.5 <0.5 <5 <0.5 <0.5 <5 <0.01 <5 <0.5 <0.5 <5 <0.5 <0.5 <0.5																			
Prep Wash																					
ROCK-WHI	Prep Blank	2 <3 3 1.3 5.6 2.0 52 <0.5 1.7 4.2 654 2.05 <5 <0.5 2.6 32 <0.5 <0.5 <0.5																			
ROCK-WHI	Prep Blank	2 4 <2 0.9 6.8 1.6 38 <0.5 1.1 4.2 580 1.93 <5 <0.5 2.4 31 <0.5 <0.5 <0.5																			



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		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
STD OREAS927-AR Expected		34	0.3	0.054	26.9	41.7	1.94	51.4	0.085	3.25	0.011	0.27	4.9	0.12	4.74		1.77	9.09	15.5		
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																			99.00	0.34
BLK	Blank	<10	<0.01	<0.001	<0.5	2.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																			100.00	0.34
SI BLK	Blank																			99.50	0.34
BLK	Blank																				
BLK	Blank	<10	<0.01	0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
Prep Wash																					
ROCK-WHI	Prep Blank	26	0.94	0.056	7.6	3.3	0.48	70	0.101	1.21	0.11	0.13	<0.5	<0.05	6.0	<0.5	0.06	<5	<2	70.80	13.90
ROCK-WHI	Prep Blank	25	0.74	0.046	7.1	1.9	0.45	67	0.101	1.04	0.10	0.09	<0.5	<0.05	4.1	<0.5	0.06	<5	<2	71.30	14.00



**BUREAU
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Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

November 25, 2018

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Part:

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QUALITY CONTROL REPORT

WHI18000983.1

		LF725 Fe2O3 %	LF725 CaO %	LF725 MgO %	LF725 K2O %	LF725 MnO %	LF725 TiO2 %	LF725 P2O5 %	LF725 Cr2O3 %	LF725 Ba %	LF725 Cu %	LF725 Pb %	LF725 Zn %	LF725 LOI %	LF725 SUM_T %	TC006 CO2 %	TC000 TOT/C %	TC000 TOT/S %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
STD OREAS927-AR Expected																		
BLK	Blank																<0.02	<0.02
BLK	Blank																<0.02	<0.02
BLK	Blank																<0.02	
BLK	Blank																0.03	
BLK	Blank																<0.02	
BLK	Blank																	
BLK	Blank																<0.02	
BLK	Blank																	
BLK	Blank																<0.02	
SI BLK	Blank	0.23	<0.01	0.03	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.64			
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
SI BLK	Blank	0.03	<0.01	0.03	<0.01	0.02	0.03	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.00	100.47			
SI BLK	Blank	0.01	<0.01	0.03	0.01	0.02	0.02	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.00	99.93			
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
Prep Wash																		
ROCK-WHI	Prep Blank	3.20	2.38	0.92	1.83	0.11	0.35	0.09	<0.01	0.08	<0.01	<0.01	<0.01	1.18	99.30	0.29	0.15	0.05
ROCK-WHI	Prep Blank	3.34	2.18	0.95	1.94	0.11	0.35	0.09	<0.01	0.09	<0.01	<0.01	<0.01	1.13	100.03	0.36	0.14	0.06