



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: October 29, 2020
Analysis Start: January 11, 2021
Report Date: January 30, 2021
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CERTIFICATE OF ANALYSIS

WHI20000609.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ20-BV-025
P.O. Number
Number of Samples: 77

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

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

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

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-500	74	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	3	Sort, label and box pulps			WHI
CRUBW	74	Extra clean rock wash between samples in crusher			WHI
PULSW	74	Extra Wash with Silica between each sample			VAN
AQ270	77	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	77	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC000	77	Total C/S Analysis by Leco	0.1	Completed	VAN
TC007	77	Graphite and Organic C by Leco After Ignition	0.1	Completed	VAN
TC006	77	Inorganic Carbon	0.2	Completed	VAN
TC010	77	Analysis by Leco after sodium carbonate leach	0.1	Completed	VAN
SHP01	77	Per sample shipping charges for branch shipments			VAN
SPG04	77	Specific Gravity by Picnometry		Completed	VAN

ADDITIONAL COMMENTS

V2O5 from LF725 is Qualitative Data only.



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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Canada

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	Method	Analyte	Unit	MDL	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270			
					Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
					kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.01	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	10	0.01	0.001
3205794	Drill Core	5.16	4.1	51.5	1843.7	40901	10.1	59.6	6.1	5777	30.29	310	1.7	3.2	17	170.6	81.6	<0.5	82	0.13	0.018			
3205795	Drill Core	4.98	3.2	69.6	29111.4	91701	52.8	42.2	5.0	6259	32.17	335	2.0	1.8	12	355.1	125.8	<0.5	91	0.14	0.012			
3205796	Drill Core	4.57	14.4	40.4	2436.8	64021	8.1	46.0	5.5	9535	27.84	93	2.5	1.2	22	220.3	47.1	<0.5	199	0.31	0.025			
3205797	Drill Core	3.59	24.1	34.4	424.4	37823	3.5	77.1	7.9	5817	19.03	141	3.9	1.7	35	111.4	53.3	<0.5	195	0.22	0.033			
3205798	Drill Core	5.14	21.3	29.1	13257.1	45566	29.8	71.0	6.5	6434	23.77	159	3.2	1.2	25	158.8	85.5	<0.5	187	0.22	0.030			
3205799	Drill Core	3.36	13.0	24.4	859.0	11178	5.2	66.4	6.7	3584	19.41	201	2.8	1.0	33	28.7	53.7	<0.5	110	0.19	0.040			
3205800	Rock Pulp	0.09	18.1	6143.4	7151.5	31568	27.3	51.1	61.6	470	9.38	71	1.1	0.8	40	184.2	40.0	30.3	75	1.51	0.055			
3205801	Drill Core	1.42	14.9	39.7	1592.9	62833	8.1	48.0	5.4	7490	26.81	146	2.2	0.9	18	206.6	47.7	<0.5	190	0.22	0.021			
3205802	Drill Core	1.73	12.1	55.1	2173.0	76111	9.7	50.6	5.7	6182	24.26	184	1.8	0.8	16	256.4	54.5	<0.5	172	0.18	0.018			
3205803	Drill Core	3.15	57.9	32.2	1111.1	57795	6.5	74.6	5.4	8763	26.16	135	5.3	0.8	30	189.7	51.6	<0.5	151	0.30	0.035			
3205804	Drill Core	2.44	73.2	17.9	149.3	165	1.4	109.2	10.0	7036	17.37	162	11.0	1.4	61	<0.5	46.3	<0.5	107	0.27	0.060			
3205805	Drill Core	3.47	105.9	20.2	225.0	155	1.6	104.8	9.0	6483	16.85	131	9.7	1.4	66	<0.5	51.8	<0.5	80	0.32	0.082			
3205806	Drill Core	4.10	54.9	19.5	425.9	1053	2.1	80.9	7.6	4542	15.16	108	5.2	1.2	56	2.6	46.7	<0.5	112	0.24	0.069			
3205807	Drill Core	3.21	38.3	17.5	630.8	4217	2.1	86.4	10.0	74	2.80	100	5.5	1.1	62	9.9	47.2	<0.5	66	0.17	0.075			
3205808	Drill Core	3.79	30.0	13.9	610.0	9659	2.0	73.0	9.2	1228	5.61	87	5.0	1.2	59	25.8	39.1	<0.5	101	0.20	0.080			
3205809	Drill Core	4.08	95.3	33.1	540.1	4176	2.7	138.1	11.1	3182	14.11	172	10.7	1.5	46	12.1	81.8	<0.5	129	0.21	0.060			
3205810	Drill Core	3.86	99.6	30.1	568.9	8858	2.5	150.6	10.0	79	2.84	122	13.8	1.7	43	28.5	76.7	<0.5	176	0.13	0.057			
3205811	Drill Core	3.82	96.1	46.7	1259.4	20701	4.7	170.0	17.4	98	3.82	195	13.7	2.0	49	61.5	86.9	<0.5	205	0.16	0.076			
3205812	Drill Core	2.93	61.6	31.5	651.6	35487	2.7	98.5	8.8	112	2.60	59	7.8	1.5	41	94.1	39.6	<0.5	188	0.13	0.062			
3205813	Drill Core	3.29	65.2	53.1	689.4	27322	2.8	100.8	8.0	79	2.34	74	8.3	1.5	43	77.5	46.1	<0.5	195	0.13	0.056			
3205814	Drill Core	3.27	33.2	33.7	3212.9	13870	8.6	90.5	12.9	782	6.13	99	6.4	2.1	45	34.0	56.5	<0.5	165	0.13	0.056			
3205815	Drill Core	3.87	34.2	32.6	1571.1	4207	5.1	92.2	11.6	1191	6.93	134	6.7	2.2	43	11.3	56.3	<0.5	159	0.15	0.052			
3205816	Drill Core	3.84	18.3	25.6	232.8	72	1.6	94.8	11.9	2073	8.07	158	6.4	2.1	39	<0.5	46.2	<0.5	134	0.15	0.037			
3205817	Drill Core	2.49	48.0	23.3	144.2	505	1.2	83.9	10.0	2984	9.69	98	8.0	1.8	36	1.1	38.5	<0.5	175	0.21	0.044			
3205818	Drill Core	4.50	30.9	20.6	392.3	3350	2.0	73.8	9.1	4696	16.08	87	5.4	1.9	33	8.1	37.0	<0.5	194	0.23	0.035			
3205819	Drill Core	4.03	58.6	43.5	605.5	12858	3.7	121.9	16.0	947	6.06	195	10.8	2.1	46	33.6	54.0	<0.5	215	0.14	0.053			
3205820	Rock Pulp	0.12	19.0	6143.1	7075.7	31761	28.2	50.0	58.2	462	9.46	79	1.1	0.9	41	198.8	41.0	30.1	74	1.51	0.057			
3205821	Drill Core	1.81	32.5	70.2	801.1	64718	9.2	82.4	12.0	1527	6.39	109	7.1	1.4	72	212.0	50.2	<0.5	140	0.16	0.064			
3205822	Drill Core	1.98	27.2	65.2	656.2	51170	7.7	79.3	10.9	2797	10.46	122	7.3	1.3	69	159.0	51.6	<0.5	167	0.18	0.060			
3205823	Drill Core	4.07	22.2	16.9	442.2	4692	2.2	178.4	12.1	5662	20.67	142	5.0	1.6	35	13.2	28.6	<0.5	256	0.41	0.033			



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	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725	
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		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	0.01	0.01	0.01
3205794	Drill Core	0.8	14.1	0.59	137	<0.001	0.26	<0.01	0.03	<0.5	41.71	3.6	1.5	19.93	<5	<2	24.96	1.72	42.61	0.20	1.03
3205795	Drill Core	<0.5	11.1	0.60	57	<0.001	0.30	<0.01	0.01	<0.5	93.42	3.2	1.6	21.45	7	3	13.33	1.21	43.95	0.19	1.01
3205796	Drill Core	<0.5	17.3	0.91	92	0.001	0.48	<0.01	0.03	<0.5	67.74	4.4	1.1	8.09	<5	3	24.49	2.25	38.92	0.43	1.55
3205797	Drill Core	1.0	20.2	0.63	173	0.001	0.74	<0.01	0.07	<0.5	40.10	3.6	1.4	6.55	<5	2	43.90	4.88	26.96	0.30	1.09
3205798	Drill Core	<0.5	19.9	0.69	75	0.001	0.72	<0.01	0.03	<0.5	45.67	3.0	1.2	11.18	<5	3	34.01	2.91	33.67	0.33	1.20
3205799	Drill Core	0.8	13.3	0.44	141	<0.001	0.49	<0.01	0.06	<0.5	12.15	2.6	0.7	11.56	<5	<2	48.79	3.99	27.23	0.26	0.73
3205800	Rock Pulp	2.9	80.8	1.22	499	0.162	2.01	0.12	0.24	23.9	6.30	6.7	2.8	7.64	8	28	45.67	10.96	16.51	5.61	4.23
3205801	Drill Core	0.6	23.1	0.83	241	0.002	0.77	<0.01	0.03	<0.5	65.47	6.7	0.6	9.52	7	2	26.48	2.92	37.66	0.32	1.42
3205802	Drill Core	0.5	18.9	0.71	261	0.001	0.69	<0.01	0.03	<0.5	80.22	6.0	0.7	12.17	8	3	30.41	2.96	34.53	0.27	1.22
3205803	Drill Core	<0.5	16.4	0.91	108	0.001	0.69	<0.01	0.03	<0.5	57.04	5.4	1.0	9.38	<5	2	26.15	3.46	37.16	0.42	1.57
3205804	Drill Core	1.0	16.3	0.84	208	0.001	0.41	<0.01	0.10	<0.5	1.59	6.0	0.9	2.21	<5	<2	47.38	7.07	24.85	0.37	1.46
3205805	Drill Core	1.0	14.0	0.75	151	0.001	0.42	<0.01	0.09	<0.5	0.66	6.1	1.1	2.94	<5	<2	46.78	6.91	24.08	0.45	1.33
3205806	Drill Core	0.8	13.9	0.57	170	0.001	0.47	<0.01	0.09	<0.5	1.62	5.3	1.0	5.19	<5	<2	53.12	6.37	22.08	0.35	1.03
3205807	Drill Core	1.1	9.3	0.06	379	0.001	0.63	<0.01	0.11	<0.5	4.64	0.8	0.9	2.33	<5	2	78.77	8.07	4.16	0.26	0.20
3205808	Drill Core	1.3	13.5	0.25	321	0.001	0.63	<0.01	0.10	<0.5	9.49	2.0	0.7	2.11	<5	3	73.72	7.06	8.04	0.29	0.45
3205809	Drill Core	1.1	14.4	0.57	150	0.001	0.71	<0.01	0.08	<0.5	4.88	3.6	1.7	6.11	<5	3	54.00	7.21	20.22	0.31	1.03
3205810	Drill Core	1.8	13.0	0.11	274	0.001	0.75	<0.01	0.13	<0.5	9.66	1.2	1.3	2.49	<5	6	73.62	9.16	4.18	0.19	0.29
3205811	Drill Core	2.1	15.1	0.14	258	0.002	0.81	<0.01	0.13	<0.5	23.52	1.4	1.5	4.05	<5	8	69.97	9.61	5.58	0.23	0.34
3205812	Drill Core	1.6	14.7	0.12	228	0.001	0.71	<0.01	0.12	<0.5	38.56	0.9	0.9	3.09	<5	6	75.14	6.76	3.79	0.19	0.27
3205813	Drill Core	1.8	13.7	0.10	209	0.001	0.71	<0.01	0.12	<0.5	30.38	1.0	1.1	2.74	<5	7	76.33	7.26	3.54	0.18	0.26
3205814	Drill Core	2.4	16.7	0.33	241	0.001	1.03	<0.01	0.13	<0.5	15.17	1.7	0.8	3.69	<5	4	69.51	9.07	8.75	0.19	0.56
3205815	Drill Core	2.6	13.4	0.28	202	0.002	0.74	<0.01	0.12	<0.5	5.05	2.4	0.9	3.30	<5	4	67.08	9.80	9.80	0.20	0.55
3205816	Drill Core	2.2	12.1	0.33	210	0.001	0.45	<0.01	0.12	<0.5	0.88	4.6	0.7	2.56	<5	3	65.45	10.00	11.58	0.22	0.64
3205817	Drill Core	2.0	12.1	0.41	179	0.001	0.44	<0.01	0.11	<0.5	1.09	4.9	0.8	1.62	<5	<2	60.10	10.14	13.98	0.29	0.86
3205818	Drill Core	1.8	13.7	0.70	183	0.001	0.58	<0.01	0.11	<0.5	3.95	7.6	0.7	3.13	<5	3	48.92	7.86	23.22	0.32	1.27
3205819	Drill Core	2.3	14.0	0.25	212	0.001	0.92	<0.01	0.11	<0.5	13.66	2.9	1.2	3.59	<5	5	66.01	10.89	8.85	0.21	0.51
3205820	Rock Pulp	2.9	72.9	1.23	610	0.159	2.03	0.13	0.24	23.8	5.78	5.9	2.8	7.71	9	28	45.52	10.94	16.60	5.62	4.24
3205821	Drill Core	1.7	15.3	0.31	173	0.001	0.70	<0.01	0.08	<0.5	74.09	2.4	0.9	4.84	7	4	64.21	6.84	9.03	0.23	0.51
3205822	Drill Core	1.4	16.1	0.50	151	0.001	0.75	<0.01	0.07	<0.5	60.47	4.2	0.9	4.91	<5	4	58.13	6.53	14.91	0.26	0.83
3205823	Drill Core	1.8	18.2	0.90	147	0.001	1.22	<0.01	0.08	<0.5	3.69	9.4	0.6	2.68	<5	3	41.53	6.45	30.29	0.59	1.59



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		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4	Density
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g/cm3
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
3205794	Drill Core	0.22	0.72	0.11	0.04	<0.01	0.08	<0.01	0.18	4.07	22.83	99.86	0.02	3.53	20.13	0.68	<0.02	10.43	16.76	10.10	3.75
3205795	Drill Core	0.10	0.76	0.06	0.03	<0.01	0.02	<0.01	2.71	9.05	24.80	99.75	0.02	3.82	21.77	0.66	<0.02	11.56	16.74	15.07	3.97
3205796	Drill Core	0.25	1.16	0.14	0.06	<0.01	0.05	<0.01	0.23	6.34	22.14	99.67	0.04	6.32	8.11	1.61	<0.02	17.25	6.89	3.65	3.53
3205797	Drill Core	0.63	0.73	0.26	0.10	<0.01	0.13	<0.01	0.04	3.71	16.03	99.78	0.07	4.66	6.68	1.80	<0.02	10.40	5.26	4.25	3.28
3205798	Drill Core	0.27	0.80	0.15	0.08	<0.01	0.04	<0.01	1.29	4.57	19.10	99.71	0.05	4.69	11.33	1.51	<0.02	11.60	9.96	4.09	3.44
3205799	Drill Core	0.51	0.44	0.18	0.12	<0.01	0.11	<0.01	0.09	1.09	15.06	98.96	0.04	2.89	11.69	1.07	<0.02	6.60	10.29	4.19	3.26
3205800	Rock Pulp	0.85	0.13	0.78	0.12	0.01	0.12	0.59	0.68	3.15	7.16	99.45	0.03	0.22	7.83	0.11	<0.02	0.35	6.11	5.16	3.15
3205801	Drill Core	0.24	0.93	0.15	0.06	<0.01	0.06	<0.01	0.16	6.24	21.14	99.43	0.04	5.54	9.64	1.55	<0.02	14.55	7.40	6.70	3.52
3205802	Drill Core	0.24	0.77	0.14	0.06	<0.01	0.07	<0.01	0.22	7.64	19.65	100.14	0.04	4.42	12.02	1.29	<0.02	11.41	11.14	2.64	3.52
3205803	Drill Core	0.29	1.10	0.17	0.09	<0.01	0.04	<0.01	0.13	5.78	22.15	100.00	0.04	6.42	9.30	2.57	<0.02	14.06	8.09	3.63	3.54
3205804	Drill Core	0.98	0.89	0.34	0.16	<0.01	0.16	<0.01	0.03	0.01	15.93	99.77	0.05	5.62	2.40	2.59	0.05	10.93	1.86	1.63	3.11
3205805	Drill Core	0.98	0.82	0.35	0.20	<0.01	0.17	<0.01	0.02	0.01	16.86	99.09	0.05	6.70	3.23	3.82	0.06	10.33	2.53	2.09	3.10
3205806	Drill Core	0.97	0.58	0.35	0.18	<0.01	0.17	<0.01	0.05	0.10	14.96	100.46	0.10	5.49	5.30	3.24	0.04	8.10	4.62	2.03	3.02
3205807	Drill Core	1.21	0.01	0.41	0.19	<0.01	0.24	<0.01	0.07	0.42	5.50	99.76	0.10	2.51	2.54	2.46	0.05	<0.08	1.89	1.94	2.78
3205808	Drill Core	1.03	0.16	0.35	0.19	<0.01	0.19	<0.01	0.07	0.98	6.69	99.57	0.08	2.52	2.31	1.82	0.03	2.44	1.75	1.68	2.87
3205809	Drill Core	1.00	0.41	0.36	0.16	<0.01	0.17	<0.01	0.06	0.42	13.83	99.41	0.09	4.71	6.39	3.10	0.04	5.76	5.49	2.69	3.03
3205810	Drill Core	1.57	0.01	0.49	0.15	<0.01	0.28	<0.01	0.06	0.88	7.50	98.76	0.27	4.39	2.70	4.30	0.08	<0.08	2.11	1.76	2.75
3205811	Drill Core	1.67	0.02	0.53	0.19	<0.01	0.28	<0.01	0.12	2.06	8.18	99.48	0.31	4.04	4.18	3.96	0.06	<0.08	3.58	1.81	2.86
3205812	Drill Core	1.13	0.02	0.34	0.16	<0.01	0.19	<0.01	0.07	3.40	6.64	99.06	0.22	3.56	3.34	3.47	0.04	0.17	2.70	1.93	2.85
3205813	Drill Core	1.21	0.01	0.38	0.15	<0.01	0.20	<0.01	0.08	2.64	6.57	99.58	0.24	3.68	2.97	3.62	0.04	<0.08	2.15	2.45	2.78
3205814	Drill Core	1.24	0.10	0.45	0.14	<0.01	0.20	<0.01	0.31	1.38	7.02	99.40	0.15	2.21	3.87	1.77	0.03	1.52	3.22	1.94	2.88
3205815	Drill Core	1.42	0.15	0.51	0.12	<0.01	0.20	<0.01	0.15	0.42	8.01	98.68	0.16	2.55	3.53	1.82	0.03	2.54	2.73	2.38	2.91
3205816	Drill Core	1.36	0.26	0.50	0.11	<0.01	0.20	<0.01	0.03	<0.01	8.52	99.00	0.13	2.36	2.73	1.24	0.02	4.03	1.84	2.65	2.90
3205817	Drill Core	1.55	0.38	0.54	0.13	<0.01	0.24	<0.01	0.02	0.05	11.82	100.27	0.18	4.83	1.77	3.24	0.05	5.65	0.99	2.35	2.96
3205818	Drill Core	1.14	0.59	0.40	0.10	<0.01	0.17	<0.01	0.05	0.34	14.89	99.46	0.14	5.03	3.39	2.20	0.03	10.26	2.70	2.09	3.06
3205819	Drill Core	1.51	0.13	0.55	0.14	<0.01	0.23	<0.01	0.07	1.27	8.51	99.36	0.23	2.94	3.64	2.43	0.03	1.78	2.78	2.59	2.85
3205820	Rock Pulp	0.82	0.13	0.78	0.13	0.01	0.13	0.60	0.69	3.19	6.83	99.08	0.03	0.20	7.71	0.06	<0.02	0.48	5.56	6.43	3.13
3205821	Drill Core	0.96	0.19	0.36	0.16	<0.01	0.16	<0.01	0.09	6.38	8.53	99.36	0.13	2.78	4.96	1.89	0.02	3.15	3.28	5.05	2.98
3205822	Drill Core	0.89	0.36	0.34	0.16	<0.01	0.14	<0.01	0.08	5.12	10.98	100.10	0.12	3.32	5.06	1.80	0.02	5.50	4.06	3.00	3.04
3205823	Drill Core	0.72	0.72	0.31	0.09	<0.01	0.12	<0.01	0.05	0.48	16.66	99.82	0.13	5.24	2.96	1.67	<0.02	13.02	2.26	2.09	3.22



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	Method Analyte Unit MDL	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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	10	0.01	0.001
3205824	Drill Core	4.16	4.0	13.4	5313.9	13855	11.7	35.6	5.5	8462	27.62	60	1.0	0.9	25	29.4	25.0	<0.5	129	0.43	0.028
3205825	Drill Core	4.17	4.0	9.1	558.9	1393	1.7	45.5	4.4	8714	23.48	43	1.0	0.8	227	3.2	10.6	<0.5	136	6.99	0.036
3205826	Drill Core	4.09	4.4	12.0	748.1	6538	1.7	222.8	14.6	8900	28.79	35	3.7	0.9	135	9.7	12.7	<0.5	139	4.35	0.033
3205827	Drill Core	3.43	13.2	11.3	695.4	7308	1.8	80.4	7.5	9163	30.25	34	2.8	1.5	32	18.7	16.8	<0.5	277	0.67	0.060
3205828	Drill Core	3.28	37.4	15.6	428.7	9575	1.3	98.6	8.7	2408	9.48	71	6.3	1.8	41	27.5	29.5	<0.5	220	0.17	0.052
3205829	Drill Core	4.83	3.7	14.2	530.0	158	1.4	47.4	5.1	6370	25.13	74	1.8	1.2	19	<0.5	26.8	<0.5	186	0.23	0.023
3205830	Drill Core	5.37	10.6	35.4	209.9	16071	1.3	46.9	6.1	6867	24.45	39	3.0	1.4	23	47.1	23.1	<0.5	419	0.27	0.032
3205831	Drill Core	2.64	58.6	17.9	137.4	5083	0.7	150.9	11.6	1421	7.44	59	8.1	2.3	95	14.8	29.8	<0.5	188	1.58	0.050
3205832	Drill Core	3.67	31.3	18.7	192.6	3467	0.8	100.2	9.4	1978	7.20	89	6.5	1.7	302	10.1	26.8	<0.5	228	5.89	0.060
3205833	Drill Core	3.28	48.8	25.1	300.9	18527	1.5	104.5	10.9	608	5.16	90	8.4	2.4	107	54.2	35.0	<0.5	348	1.68	0.060
3205834	Drill Core	2.86	22.9	11.6	368.8	8931	1.1	80.5	7.1	4388	15.72	45	6.2	1.6	43	20.3	22.3	<0.5	224	0.20	0.042
3205835	Drill Core	5.18	8.9	47.1	7710.6	95740	19.7	55.7	8.1	3686	19.35	113	3.7	1.2	30	260.2	58.3	<0.5	126	0.15	0.024
3205836	Drill Core	1.12	43.7	27.0	585.8	4350	2.8	74.2	9.9	1555	6.63	169	5.8	2.4	39	9.9	38.6	<0.5	189	0.16	0.049
3205837	Drill Core	3.93	33.8	29.2	566.5	13535	3.5	87.6	9.5	2603	11.14	228	5.3	1.9	41	25.6	40.0	<0.5	208	0.19	0.045
3205838	Drill Core	4.01	17.0	22.9	317.3	5402	3.1	72.7	8.9	5084	22.44	208	4.2	1.6	41	10.5	47.0	<0.5	187	0.22	0.033
3205839	Drill Core	3.74	17.2	26.0	187.0	165	2.1	77.8	8.9	5903	18.93	186	5.8	1.7	56	<0.5	38.3	<0.5	244	0.34	0.058
3205840	Drill Core	2.62	<0.5	0.8	1.2	20	<0.5	1.3	<0.5	29	0.10	<5	<0.5	<0.5	165	<0.5	<0.5	<0.5	<10	33.56	0.008
3205841	Drill Core	1.44	49.7	79.2	525.0	46023	7.1	99.6	13.4	93	6.67	246	8.1	2.0	39	143.7	68.9	<0.5	117	0.12	0.041
3205842	Drill Core	1.37	36.9	91.5	570.5	55173	10.4	102.6	14.2	103	11.31	260	6.1	1.9	34	170.1	82.1	<0.5	103	0.10	0.043
3205843	Drill Core	3.64	6.8	58.9	561.9	37949	5.8	72.5	14.2	73	5.74	133	4.7	1.4	72	94.0	50.2	<0.5	77	0.27	0.116
3205844	Drill Core	2.84	7.2	34.3	1500.7	9589	4.3	112.8	11.3	1327	7.87	121	6.0	1.2	89	47.0	37.1	<0.5	104	0.29	0.110
3205845	Drill Core	3.16	3.7	55.6	1761.9	16986	7.9	102.1	18.0	57	9.02	174	4.0	1.6	197	34.4	65.2	<0.5	69	0.62	0.283
3205846	Drill Core	2.23	12.4	118.7	624.6	54407	4.4	61.8	13.2	58	1.79	71	3.3	1.2	93	107.3	32.9	<0.5	111	0.20	0.092
3205847	Drill Core	4.24	1.2	15.4	928.8	726	2.4	50.3	12.5	6561	23.26	118	1.1	1.4	43	1.1	30.8	<0.5	120	0.21	0.032
3205848	Drill Core	3.95	4.4	26.8	1414.0	6680	2.9	59.0	8.9	5545	17.24	66	2.6	1.2	190	13.3	19.7	<0.5	156	0.42	0.123
3205849	Drill Core	2.36	11.5	47.2	1713.4	35216	4.6	83.0	8.6	90	2.72	86	4.7	1.6	258	73.5	32.0	<0.5	104	0.37	0.164
3205850	Drill Core	3.16	2.5	80.4	11935.3	63886	15.4	46.2	7.6	329	3.51	53	1.4	0.7	82	111.5	32.1	<0.5	35	0.20	0.091
3205851	Drill Core	3.78	3.1	73.0	2145.3	44384	4.8	81.9	11.5	999	9.29	133	2.4	1.4	241	53.2	33.0	<0.5	81	0.42	0.189
3205852	Drill Core	2.75	6.2	52.9	711.6	4960	1.8	90.2	11.0	146	2.44	94	5.2	2.2	647	10.0	27.8	<0.5	86	0.84	0.387
3205853	Drill Core	3.40	3.3	45.8	292.7	334	1.0	86.6	8.4	4214	14.22	135	3.7	1.8	332	<0.5	21.4	<0.5	138	0.68	0.265



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	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		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	0.01	0.01	0.01
3205824	Drill Core	0.8	11.8	1.22	36	<0.001	0.86	<0.01	0.02	<0.5	14.62	7.0	<0.5	2.67	<5	<2	29.74	2.72	40.18	0.63	2.10
3205825	Drill Core	0.8	13.0	2.84	182	0.001	0.98	<0.01	0.02	<0.5	1.82	7.3	<0.5	1.76	<5	<2	17.68	2.78	34.96	9.93	4.95
3205826	Drill Core	0.7	13.0	1.81	118	0.001	0.84	<0.01	0.02	<0.5	4.64	7.8	<0.5	1.27	<5	<2	17.25	2.75	41.75	6.16	3.13
3205827	Drill Core	0.8	19.2	1.53	65	0.002	1.27	<0.01	0.03	<0.5	7.50	6.9	<0.5	1.75	<5	<2	21.51	4.27	43.84	0.93	2.63
3205828	Drill Core	1.8	14.5	0.44	165	0.001	0.72	<0.01	0.09	<0.5	10.16	4.2	0.8	2.09	<5	3	62.88	8.02	14.12	0.24	0.70
3205829	Drill Core	0.8	14.2	1.00	66	<0.001	0.66	<0.01	0.04	<0.5	0.30	5.4	<0.5	7.53	<5	<2	34.15	4.10	37.27	0.33	1.75
3205830	Drill Core	1.1	25.2	1.48	58	0.002	1.87	<0.01	0.03	<0.5	16.38	7.6	<0.5	3.02	5	3	33.46	5.29	35.96	0.37	2.57
3205831	Drill Core	3.5	12.9	0.77	182	0.001	0.68	<0.01	0.10	<0.5	4.81	3.3	1.1	1.43	<5	3	60.38	9.02	10.91	2.15	1.43
3205832	Drill Core	2.2	13.6	2.42	166	0.001	0.60	<0.01	0.09	<0.5	3.45	4.9	0.7	1.69	<5	4	47.07	7.68	10.78	8.38	4.30
3205833	Drill Core	2.9	24.1	1.01	199	0.002	1.47	<0.01	0.11	<0.5	21.86	2.7	1.0	2.46	<5	6	62.37	10.13	7.66	2.29	1.86
3205834	Drill Core	1.9	19.0	0.71	108	0.001	1.24	<0.01	0.06	<0.5	8.63	5.2	0.5	1.94	<5	<2	51.93	6.64	23.66	0.28	1.30
3205835	Drill Core	0.8	13.8	0.46	105	0.001	0.72	<0.01	0.02	<0.5	115.96	3.9	1.1	12.60	11	3	37.61	2.90	27.57	0.20	0.81
3205836	Drill Core	2.8	15.3	0.37	186	0.001	0.78	<0.01	0.10	<0.5	4.82	2.3	1.1	1.92	<5	4	66.85	9.86	9.81	0.22	0.63
3205837	Drill Core	1.8	15.7	0.45	187	0.001	0.72	<0.01	0.10	<0.5	16.39	2.6	1.1	4.41	<5	5	57.54	8.26	16.64	0.26	0.78
3205838	Drill Core	1.4	16.1	0.58	116	0.001	0.75	<0.01	0.06	<0.5	6.21	4.8	0.7	8.16	<5	2	38.52	5.55	33.59	0.30	1.07
3205839	Drill Core	2.0	16.9	0.67	190	0.001	0.46	<0.01	0.09	<0.5	0.35	5.2	0.8	3.12	<5	3	42.43	7.77	27.83	0.46	1.20
3205840	Drill Core	1.2	4.7	1.13	12	<0.001	0.03	0.01	0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2	8.25	0.23	0.15	49.00	2.01
3205841	Drill Core	2.5	11.0	0.04	231	0.001	0.42	<0.01	0.10	<0.5	55.64	0.8	1.6	9.30	<5	9	63.19	8.06	9.73	0.17	0.16
3205842	Drill Core	1.8	11.0	0.04	184	0.001	0.40	<0.01	0.08	<0.5	67.53	0.7	1.9	14.85	<5	8	55.79	6.27	16.52	0.14	0.14
3205843	Drill Core	1.3	17.2	0.04	202	0.001	0.43	<0.01	0.08	<0.5	40.08	0.9	1.0	7.68	<5	10	72.69	5.08	7.98	0.35	0.12
3205844	Drill Core	1.4	44.0	0.17	216	0.002	0.71	<0.01	0.08	<0.5	12.27	2.8	0.6	4.38	<5	6	71.78	5.26	11.47	0.39	0.30
3205845	Drill Core	1.6	13.9	0.02	258	0.002	0.39	<0.01	0.09	<0.5	19.34	0.8	2.1	10.88	<5	8	65.52	5.66	12.83	0.80	0.09
3205846	Drill Core	1.4	13.9	0.03	277	0.002	0.41	<0.01	0.09	<0.5	67.66	0.5	0.6	4.01	<5	7	76.83	5.65	2.71	0.28	0.11
3205847	Drill Core	1.2	18.1	0.61	107	0.001	0.78	<0.01	0.04	<0.5	0.80	8.2	<0.5	5.28	<5	<2	40.18	4.46	33.60	0.29	1.03
3205848	Drill Core	1.2	29.0	0.50	206	0.001	0.71	<0.01	0.06	<0.5	7.89	7.7	<0.5	2.68	<5	3	49.99	4.81	25.54	0.58	0.92
3205849	Drill Core	1.9	17.3	0.03	343	0.002	0.36	<0.01	0.10	<0.5	39.18	1.0	<0.5	4.21	<5	12	76.57	5.49	4.02	0.48	0.12
3205850	Drill Core	0.7	8.1	0.05	148	<0.001	0.20	<0.01	0.04	<0.5	77.60	0.7	<0.5	5.52	<5	5	74.80	3.13	4.99	0.27	0.10
3205851	Drill Core	1.3	24.8	0.15	231	0.002	0.47	<0.01	0.08	<0.5	46.63	2.6	<0.5	8.71	<5	6	61.46	6.08	13.61	0.57	0.28
3205852	Drill Core	2.3	24.1	0.06	437	0.002	0.67	<0.01	0.13	<0.5	5.04	1.4	<0.5	2.04	<5	12	73.78	9.98	3.69	1.14	0.21
3205853	Drill Core	1.7	30.4	0.56	284	0.002	0.69	<0.01	0.08	<0.5	0.30	6.4	<0.5	3.12	<5	7	52.94	7.53	21.56	0.98	1.06



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		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4	Density
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g/cm3
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
3205824	Drill Core	0.13	1.06	0.12	0.08	<0.01	<0.01	<0.01	0.53	1.41	20.88	99.96	0.03	6.58	2.88	1.25	<0.02	19.51	2.19	2.05	3.45
3205825	Drill Core	0.14	1.12	0.13	0.09	<0.01	0.03	<0.01	0.07	0.14	24.13	96.25	0.03	8.63	1.91	1.18	<0.02	27.28	1.31	1.81	3.29
3205826	Drill Core	0.12	1.15	0.13	0.07	<0.01	0.03	<0.01	0.08	0.67	23.55	97.02	0.03	8.53	1.32	1.21	<0.02	26.81	0.97	1.03	3.40
3205827	Drill Core	0.26	1.15	0.21	0.14	<0.01	0.04	<0.01	0.08	0.73	23.19	99.20	0.07	7.85	1.90	1.75	<0.02	22.34	1.38	1.56	3.44
3205828	Drill Core	1.10	0.30	0.37	0.13	<0.01	0.21	<0.01	0.04	0.95	10.32	99.70	0.15	3.74	2.21	2.11	0.03	5.89	1.50	2.11	2.89
3205829	Drill Core	0.31	0.80	0.18	0.05	<0.01	0.05	<0.01	0.05	0.02	19.97	99.07	0.05	5.07	7.72	0.99	<0.02	14.90	6.63	3.26	3.34
3205830	Drill Core	0.24	0.87	0.25	0.08	<0.01	0.03	<0.01	0.03	1.61	18.63	99.81	0.10	5.65	3.18	1.44	<0.02	15.40	2.17	3.05	3.44
3205831	Drill Core	1.29	0.18	0.46	0.12	<0.01	0.22	<0.01	0.02	0.51	11.40	98.32	0.19	4.84	1.56	3.09	0.03	6.32	1.13	1.29	2.89
3205832	Drill Core	1.17	0.26	0.39	0.14	<0.01	0.21	<0.01	0.02	0.36	17.06	98.00	0.20	6.26	1.77	2.41	0.03	14.02	1.21	1.69	2.93
3205833	Drill Core	1.44	0.08	0.53	0.16	<0.01	0.26	<0.01	0.04	1.87	9.25	98.55	0.27	3.96	2.59	2.93	0.04	3.64	1.92	2.00	2.84
3205834	Drill Core	0.55	0.56	0.31	0.12	<0.01	0.10	<0.01	0.04	0.91	13.40	100.05	0.10	4.39	2.03	1.80	<0.02	9.46	1.58	1.36	3.05
3205835	Drill Core	0.18	0.47	0.15	0.06	<0.01	0.03	<0.01	0.76	9.77	16.53	99.54	0.04	3.18	12.67	0.80	<0.02	8.69	10.21	7.37	3.38
3205836	Drill Core	1.55	0.19	0.54	0.12	<0.01	0.30	<0.01	0.06	0.43	8.29	99.11	0.20	3.28	2.00	2.38	0.03	3.16	1.44	1.68	2.82
3205837	Drill Core	1.21	0.33	0.43	0.12	<0.01	0.24	<0.01	0.06	1.36	11.28	98.94	0.18	3.53	4.71	1.91	0.02	5.83	3.70	3.02	2.99
3205838	Drill Core	0.58	0.65	0.29	0.08	<0.01	0.10	<0.01	0.03	0.53	18.15	99.63	0.08	4.66	8.25	1.39	<0.02	11.92	6.83	4.26	3.28
3205839	Drill Core	1.05	0.73	0.38	0.13	<0.01	0.21	<0.01	0.03	0.02	16.70	99.03	0.16	5.33	3.08	1.75	0.03	13.01	2.83	0.75	3.20
3205840	Drill Core	0.07	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	39.35	99.08	<0.01	11.38	0.03	0.59	<0.02	39.56	0.04	<0.15	2.76
3205841	Drill Core	1.37	0.02	0.45	0.11	<0.01	0.29	<0.01	0.05	4.52	9.50	98.88	0.23	2.69	9.17	2.63	0.04	<0.08	7.79	4.13	2.99
3205842	Drill Core	0.99	0.01	0.36	0.11	<0.01	0.22	<0.01	0.06	5.52	11.99	99.58	0.17	2.09	14.83	2.02	0.04	0.09	13.51	3.95	3.14
3205843	Drill Core	0.72	<0.01	0.28	0.27	<0.01	0.18	<0.01	0.06	3.63	6.39	98.70	0.09	1.20	7.47	1.13	0.05	<0.08	5.69	5.33	2.92
3205844	Drill Core	0.63	0.16	0.30	0.27	<0.01	0.15	<0.01	0.14	0.95	7.33	99.44	0.09	2.16	4.45	1.46	0.03	2.48	3.90	1.67	2.89
3205845	Drill Core	0.71	<0.01	0.28	0.63	<0.01	0.18	<0.01	0.17	1.63	9.27	98.28	0.08	1.76	10.93	1.71	0.05	<0.08	9.00	5.77	3.02
3205846	Drill Core	0.86	0.01	0.29	0.21	<0.01	0.25	<0.01	0.06	5.42	5.42	99.56	0.16	2.26	4.07	2.21	0.03	<0.08	2.90	3.50	2.78
3205847	Drill Core	0.34	0.80	0.22	0.09	<0.01	0.08	<0.01	0.09	0.07	17.46	98.76	0.04	4.75	5.47	0.93	<0.02	13.98	4.07	4.18	3.29
3205848	Drill Core	0.42	0.70	0.27	0.29	<0.01	0.10	<0.01	0.14	0.66	14.41	99.02	0.07	4.63	2.84	1.46	<0.02	11.55	2.07	2.30	3.10
3205849	Drill Core	0.89	0.01	0.34	0.38	<0.01	0.27	<0.01	0.17	3.50	6.02	99.25	0.13	2.51	4.26	2.42	0.04	0.20	3.34	2.78	2.86
3205850	Drill Core	0.36	0.04	0.16	0.20	<0.01	0.13	<0.01	1.16	6.30	4.88	98.22	0.04	0.90	5.67	0.68	<0.02	0.78	3.55	6.36	2.95
3205851	Drill Core	0.67	0.12	0.31	0.42	0.01	0.19	<0.01	0.22	4.51	9.75	99.42	0.07	1.88	8.79	1.20	0.03	2.39	6.85	5.83	3.05
3205852	Drill Core	1.28	0.02	0.54	0.89	0.02	0.38	<0.01	0.08	0.50	5.90	98.66	0.11	2.67	2.13	2.58	0.03	0.19	1.73	1.18	2.81
3205853	Drill Core	0.87	0.54	0.40	0.63	0.01	0.25	<0.01	0.04	0.03	13.84	100.77	0.08	4.71	3.27	2.57	0.03	7.72	2.55	2.15	3.07



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Project: MacMillan Pass

Report Date: January 30, 2021

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CERTIFICATE OF ANALYSIS

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	Method	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	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	10	0.01	0.001
3205854	Drill Core	3.33	4.6	61.1	180.9	283	1.0	159.5	13.0	1016	7.40	87	4.8	2.1	278	<0.5	20.2	<0.5	138	1.08	0.310
3205855	Drill Core	4.43	7.3	51.9	252.9	455	0.8	117.9	11.8	5328	17.78	69	2.8	1.5	192	0.6	16.8	<0.5	186	0.58	0.176
3205856	Drill Core	3.55	1.0	23.4	25.7	283	<0.5	96.5	5.1	7075	21.12	39	1.5	1.2	126	<0.5	10.7	<0.5	58	0.37	0.092
3205857	Drill Core	2.45	0.9	22.6	18.9	124	<0.5	38.4	5.1	9413	27.02	32	1.1	1.7	61	<0.5	7.3	<0.5	83	0.33	0.043
3205858	Drill Core	4.51	1.6	41.4	38.4	69	0.6	57.6	6.6	5072	15.28	45	1.3	2.0	60	<0.5	11.1	<0.5	51	0.19	0.039
3205859	Drill Core	3.58	2.5	105.9	52.3	90	1.1	97.9	11.7	1862	8.46	136	2.7	2.2	170	<0.5	27.9	<0.5	62	0.94	0.172
3205860	Rock Pulp	0.11	16.6	6023.4	6921.5	31125	27.7	45.4	55.6	455	9.34	71	1.1	0.8	41	177.7	41.5	29.4	77	1.55	0.057
3205861	Drill Core	1.37	1.2	56.5	33.4	28	<0.5	63.2	7.3	1962	4.66	47	1.6	1.7	341	<0.5	12.1	<0.5	24	5.97	0.092
3205862	Drill Core	1.25	1.7	54.3	35.7	31	<0.5	66.2	7.8	1862	4.88	50	1.8	2.5	322	<0.5	12.4	<0.5	26	5.83	0.102
3205863	Drill Core	4.13	1.1	51.3	22.2	14	<0.5	63.2	8.2	2012	4.78	28	1.3	2.4	380	<0.5	10.4	<0.5	21	7.39	0.040
3205864	Drill Core	3.78	3.5	50.4	47.9	22	0.5	84.8	11.3	1521	4.15	33	1.9	2.0	420	<0.5	13.2	<0.5	32	7.78	0.069
3205865	Drill Core	3.74	2.1	64.6	82.0	17	0.7	81.1	9.9	1247	3.89	22	2.3	2.6	485	<0.5	18.3	<0.5	32	7.72	0.240
3205866	Drill Core	4.18	7.0	46.5	41.8	32	<0.5	77.8	6.8	2175	6.42	15	1.9	1.8	485	<0.5	12.2	<0.5	59	11.48	0.082
3205867	Drill Core	3.89	3.0	57.0	39.8	27	0.7	79.6	8.0	1099	3.50	20	2.6	1.8	473	<0.5	15.7	<0.5	44	7.25	0.298
3205868	Drill Core	4.37	2.9	76.5	51.7	38	0.7	101.2	9.2	1050	3.73	33	2.5	2.0	443	<0.5	16.1	<0.5	37	6.88	0.283
3205869	Drill Core	4.06	1.7	58.9	28.1	23	0.6	80.9	9.4	1090	3.30	17	1.9	1.9	342	<0.5	11.7	<0.5	24	6.71	0.109
3205870	Drill Core	3.23	2.2	63.0	38.6	19	0.7	97.1	10.3	1142	3.60	30	1.8	1.9	340	<0.5	15.5	<0.5	24	7.08	0.075



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Project: MacMillan Pass
Report Date: January 30, 2021

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		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	0.01	0.01	0.01
3205854	Drill Core	2.5	46.9	0.43	848	0.002	1.23	<0.01	0.13	<0.5	0.30	6.4	<0.5	2.78	<5	9	63.18	10.32	11.20	1.51	0.86
3205855	Drill Core	1.4	91.5	0.60	235	0.002	1.03	<0.01	0.08	<0.5	0.55	8.7	<0.5	1.43	<5	4	45.00	7.28	26.94	0.81	1.14
3205856	Drill Core	1.2	30.5	0.63	341	0.001	0.86	<0.01	0.06	<0.5	0.09	6.4	<0.5	0.92	<5	<2	41.69	5.45	32.62	0.52	1.16
3205857	Drill Core	1.4	36.7	0.90	131	0.001	1.01	<0.01	0.05	<0.5	0.42	9.9	<0.5	0.67	<5	<2	29.27	5.12	39.70	0.46	1.55
3205858	Drill Core	2.0	30.6	0.57	213	0.001	0.84	<0.01	0.08	<0.5	0.51	6.1	<0.5	1.33	<5	3	53.28	7.33	22.66	0.26	1.04
3205859	Drill Core	2.5	53.0	0.70	242	0.002	1.49	<0.01	0.09	<0.5	0.69	5.8	<0.5	1.93	<5	6	61.21	10.37	12.30	1.28	1.26
3205860	Rock Pulp	2.8	71.1	1.22	514	0.176	1.97	0.12	0.23	23.2	5.87	6.4	2.8	7.85	8	28	45.64	10.91	16.45	5.57	4.18
3205861	Drill Core	2.6	25.2	2.15	190	0.001	0.51	<0.01	0.08	<0.5	0.35	4.7	<0.5	1.28	<5	3	52.49	8.26	6.98	8.49	3.80
3205862	Drill Core	2.8	26.9	2.06	230	0.001	0.58	<0.01	0.09	<0.5	0.24	5.2	<0.5	1.31	<5	4	53.80	8.60	7.10	8.19	3.69
3205863	Drill Core	2.9	16.9	2.79	191	<0.001	0.21	<0.01	0.09	<0.5	0.20	6.0	<0.5	1.56	<5	4	48.79	7.97	6.79	10.14	4.79
3205864	Drill Core	2.8	22.5	3.25	238	0.001	0.23	<0.01	0.09	<0.5	0.28	6.8	<0.5	1.59	<5	3	45.79	8.44	6.02	10.93	5.68
3205865	Drill Core	3.6	19.6	3.19	348	0.002	0.31	<0.01	0.11	<0.5	0.41	6.4	<0.5	1.79	<5	5	44.50	8.66	5.66	10.87	5.61
3205866	Drill Core	2.3	24.4	4.80	685	0.003	0.24	0.01	0.08	<0.5	0.38	5.3	<0.5	3.01	<5	3	29.10	5.78	9.41	16.54	8.39
3205867	Drill Core	2.0	22.8	2.89	375	0.002	0.37	<0.01	0.12	<0.5	0.37	6.3	<0.5	1.62	<5	4	46.31	8.87	5.06	10.11	5.13
3205868	Drill Core	2.0	22.7	2.82	334	0.002	0.38	0.01	0.13	<0.5	0.45	7.4	<0.5	2.03	<5	6	45.70	9.11	5.42	9.65	4.95
3205869	Drill Core	2.1	17.0	2.93	229	0.001	0.26	<0.01	0.09	<0.5	0.38	7.9	<0.5	1.53	<5	3	48.87	9.76	4.88	9.57	5.23
3205870	Drill Core	2.6	16.6	3.09	240	0.001	0.28	<0.01	0.10	<0.5	0.40	6.5	<0.5	1.74	<5	4	48.06	8.86	5.22	9.93	5.49



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4	Density
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g/cm3
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15	0.01
3205854	Drill Core	1.34	0.13	0.56	0.74	0.02	0.45	<0.01	0.02	0.03	9.72	100.23	0.10	3.67	2.77	2.82	0.04	2.98	2.44	1.01	2.86
3205855	Drill Core	0.75	0.69	0.56	0.46	0.02	0.22	<0.01	0.02	0.04	15.83	99.86	0.08	5.72	1.51	2.74	0.04	10.77	1.20	0.93	3.14
3205856	Drill Core	0.49	0.93	0.29	0.23	<0.01	0.15	<0.01	0.01	0.03	17.31	100.92	0.02	5.90	1.01	1.76	0.03	15.06	0.69	0.97	3.19
3205857	Drill Core	0.43	1.16	0.30	0.10	<0.01	0.11	<0.01	0.01	0.01	20.97	99.26	0.03	7.05	0.75	1.69	<0.02	19.62	0.40	1.05	3.33
3205858	Drill Core	0.78	0.62	0.41	0.09	<0.01	0.19	<0.01	0.01	<0.01	13.14	99.93	0.02	4.33	1.42	1.45	0.02	10.47	1.06	1.05	3.02
3205859	Drill Core	1.08	0.23	0.60	0.40	0.02	0.25	<0.01	<0.01	<0.01	9.82	98.95	0.03	3.53	2.02	2.48	0.05	3.65	1.53	1.48	2.95
3205860	Rock Pulp	0.81	0.13	0.78	0.14	0.02	0.13	0.60	0.69	3.20	7.65	99.76	0.03	0.21	7.86	0.06	<0.02	0.50	5.90	5.87	3.09
3205861	Drill Core	0.95	0.25	0.47	0.22	<0.01	0.22	<0.01	0.01	<0.01	15.48	97.73	0.02	5.70	1.36	2.35	0.04	12.13	0.98	1.15	2.86
3205862	Drill Core	0.99	0.24	0.49	0.24	0.01	0.24	<0.01	<0.01	<0.01	15.12	98.83	0.02	5.68	1.40	2.52	0.04	11.44	1.04	1.08	2.90
3205863	Drill Core	0.88	0.25	0.43	0.10	0.02	0.19	<0.01	<0.01	<0.01	17.56	98.00	0.02	5.86	1.68	1.89	0.04	14.44	1.21	1.43	2.87
3205864	Drill Core	1.01	0.20	0.58	0.18	0.02	0.24	<0.01	0.01	<0.01	18.92	98.12	0.03	6.24	1.68	1.95	0.06	15.51	1.31	1.10	2.88
3205865	Drill Core	1.10	0.16	0.46	0.56	0.02	0.26	<0.01	0.02	<0.01	19.82	97.83	0.03	7.58	1.98	3.30	0.11	15.31	1.47	1.54	2.89
3205866	Drill Core	0.78	0.28	0.30	0.19	<0.01	0.22	<0.01	0.01	<0.01	25.98	97.08	0.03	8.82	3.20	2.50	0.06	22.97	2.38	2.47	2.94
3205867	Drill Core	1.09	0.15	0.47	0.71	0.02	0.26	<0.01	<0.01	<0.01	19.18	97.47	0.05	7.99	1.78	3.99	0.21	13.90	1.17	1.81	2.95
3205868	Drill Core	1.13	0.14	0.50	0.67	0.02	0.27	<0.01	<0.01	<0.01	19.46	97.14	0.03	8.35	2.24	4.44	0.23	13.48	1.67	1.71	2.81
3205869	Drill Core	1.09	0.14	0.53	0.25	0.02	0.25	<0.01	0.01	<0.01	17.97	98.69	0.03	6.33	1.64	2.45	0.08	13.91	1.19	1.35	2.84
3205870	Drill Core	0.99	0.15	0.50	0.18	0.02	0.23	<0.01	0.01	<0.01	18.12	97.87	0.02	6.25	1.86	2.38	0.04	14.03	1.39	1.40	2.86



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	Method Analyte Unit MDL	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	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	10	0.01
3205796	Drill Core	4.57	14.4	40.4	2436.8	64021	8.1	46.0	5.5	9535	27.84	93	2.5	1.2	22	220.3	47.1	<0.5	199	0.31
3205830	Drill Core	5.37	10.6	35.4	209.9	16071	1.3	46.9	6.1	6867	24.45	39	3.0	1.4	23	47.1	23.1	<0.5	419	0.27
3205864	Drill Core	3.78	3.5	50.4	47.9	22	0.5	84.8	11.3	1521	4.15	33	1.9	2.0	420	<0.5	13.2	<0.5	32	7.78
Pulp Duplicates																				
3205799	Drill Core	3.36	13.0	24.4	859.0	11178	5.2	66.4	6.7	3584	19.41	201	2.8	1.0	33	28.7	53.7	<0.5	110	0.19
REP 3205799	QC																			
REP 3205801	QC																			
3205803	Drill Core	3.15	57.9	32.2	1111.1	57795	6.5	74.6	5.4	8763	26.16	135	5.3	0.8	30	189.7	51.6	<0.5	151	0.30
REP 3205803	QC																			
3205806	Drill Core	4.10	54.9	19.5	425.9	1053	2.1	80.9	7.6	4542	15.16	108	5.2	1.2	56	2.6	46.7	<0.5	112	0.24
REP 3205806	QC		54.8	19.4	431.2	1038	2.1	83.5	7.3	4510	15.35	111	5.3	1.1	58	2.8	47.3	<0.5	113	0.24
3205808	Drill Core	3.79	30.0	13.9	610.0	9659	2.0	73.0	9.2	1228	5.61	87	5.0	1.2	59	25.8	39.1	<0.5	101	0.20
REP 3205808	QC																			
3205810	Drill Core	3.86	99.6	30.1	568.9	8858	2.5	150.6	10.0	79	2.84	122	13.8	1.7	43	28.5	76.7	<0.5	176	0.13
REP 3205810	QC																			
3205820	Rock Pulp	0.12	19.0	6143.1	7075.7	31761	28.2	50.0	58.2	462	9.46	79	1.1	0.9	41	198.8	41.0	30.1	74	1.51
REP 3205820	QC																			
3205822	Drill Core	1.98	27.2	65.2	656.2	51170	7.7	79.3	10.9	2797	10.46	122	7.3	1.3	69	159.0	51.6	<0.5	167	0.18
REP 3205822	QC																			
3205832	Drill Core	3.67	31.3	18.7	192.6	3467	0.8	100.2	9.4	1978	7.20	89	6.5	1.7	302	10.1	26.8	<0.5	228	5.89
REP 3205832	QC																			
REP 3205835	QC																			
3205838	Drill Core	4.01	17.0	22.9	317.3	5402	3.1	72.7	8.9	5084	22.44	208	4.2	1.6	41	10.5	47.0	<0.5	187	0.22
REP 3205838	QC																			
3205839	Drill Core	3.74	17.2	26.0	187.0	165	2.1	77.8	8.9	5903	18.93	186	5.8	1.7	56	<0.5	38.3	<0.5	244	0.34
REP 3205839	QC		17.0	27.1	185.9	159	2.1	76.5	9.5	6078	19.16	187	5.6	1.8	56	<0.5	40.0	<0.5	248	0.34
3205842	Drill Core	1.37	36.9	91.5	570.5	55173	10.4	102.6	14.2	103	11.31	260	6.1	1.9	34	170.1	82.1	<0.5	103	0.10
REP 3205842	QC																			
3205844	Drill Core	2.84	7.2	34.3	1500.7	9589	4.3	112.8	11.3	1327	7.87	121	6.0	1.2	89	47.0	37.1	<0.5	104	0.29



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	Method	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
	Analyte	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
	Unit	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
	MDL	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	0.01	0.01	0.01
3205796	Drill Core	<0.5	17.3	0.91	92	0.001	0.48	<0.01	0.03	<0.5	67.74	4.4	1.1	8.09	<5	3	24.49	2.25	38.92	0.43	1.55
3205830	Drill Core	1.1	25.2	1.48	58	0.002	1.87	<0.01	0.03	<0.5	16.38	7.6	<0.5	3.02	5	3	33.46	5.29	35.96	0.37	2.57
3205864	Drill Core	2.8	22.5	3.25	238	0.001	0.23	<0.01	0.09	<0.5	0.28	6.8	<0.5	1.59	<5	3	45.79	8.44	6.02	10.93	5.68
Pulp Duplicates																					
3205799	Drill Core	0.8	13.3	0.44	141	<0.001	0.49	<0.01	0.06	<0.5	12.15	2.6	0.7	11.56	<5	<2	48.79	3.99	27.23	0.26	0.73
REP 3205799	QC																				
REP 3205801	QC																26.81	2.95	37.62	0.32	1.42
3205803	Drill Core	<0.5	16.4	0.91	108	0.001	0.69	<0.01	0.03	<0.5	57.04	5.4	1.0	9.38	<5	2	26.15	3.46	37.16	0.42	1.57
REP 3205803	QC																				
3205806	Drill Core	0.8	13.9	0.57	170	0.001	0.47	<0.01	0.09	<0.5	1.62	5.3	1.0	5.19	<5	<2	53.12	6.37	22.08	0.35	1.03
REP 3205806	QC	0.9	14.6	0.57	179	0.001	0.44	<0.01	0.10	<0.5	1.55	5.7	1.0	5.12	<5	2					
3205808	Drill Core	1.3	13.5	0.25	321	0.001	0.63	<0.01	0.10	<0.5	9.49	2.0	0.7	2.11	<5	3	73.72	7.06	8.04	0.29	0.45
REP 3205808	QC																				
3205810	Drill Core	1.8	13.0	0.11	274	0.001	0.75	<0.01	0.13	<0.5	9.66	1.2	1.3	2.49	<5	6	73.62	9.16	4.18	0.19	0.29
REP 3205810	QC																				
3205820	Rock Pulp	2.9	72.9	1.23	610	0.159	2.03	0.13	0.24	23.8	5.78	5.9	2.8	7.71	9	28	45.52	10.94	16.60	5.62	4.24
REP 3205820	QC																45.63	10.94	16.51	5.59	4.20
3205822	Drill Core	1.4	16.1	0.50	151	0.001	0.75	<0.01	0.07	<0.5	60.47	4.2	0.9	4.91	<5	4	58.13	6.53	14.91	0.26	0.83
REP 3205822	QC																				
3205832	Drill Core	2.2	13.6	2.42	166	0.001	0.60	<0.01	0.09	<0.5	3.45	4.9	0.7	1.69	<5	4	47.07	7.68	10.78	8.38	4.30
REP 3205832	QC																				
REP 3205835	QC																37.71	2.92	27.64	0.20	0.81
3205838	Drill Core	1.4	16.1	0.58	116	0.001	0.75	<0.01	0.06	<0.5	6.21	4.8	0.7	8.16	<5	2	38.52	5.55	33.59	0.30	1.07
REP 3205838	QC																				
3205839	Drill Core	2.0	16.9	0.67	190	0.001	0.46	<0.01	0.09	<0.5	0.35	5.2	0.8	3.12	<5	3	42.43	7.77	27.83	0.46	1.20
REP 3205839	QC	1.9	16.8	0.68	194	0.001	0.49	<0.01	0.10	<0.5	0.41	5.4	0.8	3.15	<5	4					
3205842	Drill Core	1.8	11.0	0.04	184	0.001	0.40	<0.01	0.08	<0.5	67.53	0.7	1.9	14.85	<5	8	55.79	6.27	16.52	0.14	0.14
REP 3205842	QC																				
3205844	Drill Core	1.4	44.0	0.17	216	0.002	0.71	<0.01	0.08	<0.5	12.27	2.8	0.6	4.38	<5	6	71.78	5.26	11.47	0.39	0.30



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	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04	
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4	Density	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15	0.01
3205796	Drill Core	0.25	1.16	0.14	0.06	<0.01	0.05	<0.01	0.23	6.34	22.14	99.67	0.04	6.32	8.11	1.61	<0.02	17.25	6.89	3.65	3.53	
3205830	Drill Core	0.24	0.87	0.25	0.08	<0.01	0.03	<0.01	0.03	1.61	18.63	99.81	0.10	5.65	3.18	1.44	<0.02	15.40	2.17	3.05	3.44	
3205864	Drill Core	1.01	0.20	0.58	0.18	0.02	0.24	<0.01	0.01	<0.01	18.92	98.12	0.03	6.24	1.68	1.95	0.06	15.51	1.31	1.10	2.88	
Pulp Duplicates																						
3205799	Drill Core	0.51	0.44	0.18	0.12	<0.01	0.11	<0.01	0.09	1.09	15.06	98.96	0.04	2.89	11.69	1.07	<0.02	6.60	10.29	4.19	3.26	
REP 3205799	QC													2.90	11.38							
REP 3205801	QC	0.24	0.94	0.15	0.05	<0.01	0.05	<0.01	0.17	6.27	21.06	99.69	0.04									
3205803	Drill Core	0.29	1.10	0.17	0.09	<0.01	0.04	<0.01	0.13	5.78	22.15	100.00	0.04	6.42	9.30	2.57	<0.02	14.06	8.09	3.63	3.54	
REP 3205803	QC																				3.56	
3205806	Drill Core	0.97	0.58	0.35	0.18	<0.01	0.17	<0.01	0.05	0.10	14.96	100.46	0.10	5.49	5.30	3.24	0.04	8.10	4.62	2.03	3.02	
REP 3205806	QC																					
3205808	Drill Core	1.03	0.16	0.35	0.19	<0.01	0.19	<0.01	0.07	0.98	6.69	99.57	0.08	2.52	2.31	1.82	0.03	2.44	1.75	1.68	2.87	
REP 3205808	QC																	0.03				
3205810	Drill Core	1.57	0.01	0.49	0.15	<0.01	0.28	<0.01	0.06	0.88	7.50	98.76	0.27	4.39	2.70	4.30	0.08	<0.08	2.11	1.76	2.75	
REP 3205810	QC																		<0.08			
3205820	Rock Pulp	0.82	0.13	0.78	0.13	0.01	0.13	0.60	0.69	3.19	6.83	99.08	0.03	0.20	7.71	0.06	<0.02	0.48	5.56	6.43	3.13	
REP 3205820	QC	0.83	0.13	0.78	0.13	0.01	0.13	0.59	0.70	3.18	6.83	99.04	0.03									
3205822	Drill Core	0.89	0.36	0.34	0.16	<0.01	0.14	<0.01	0.08	5.12	10.98	100.10	0.12	3.32	5.06	1.80	0.02	5.50	4.06	3.00	3.04	
REP 3205822	QC																				4.03	
3205832	Drill Core	1.17	0.26	0.39	0.14	<0.01	0.21	<0.01	0.02	0.36	17.06	98.00	0.20	6.26	1.77	2.41	0.03	14.02	1.21	1.69	2.93	
REP 3205832	QC													6.31	1.76							
REP 3205835	QC	0.18	0.46	0.15	0.06	<0.01	0.04	<0.01	0.78	9.82	16.53	99.78	0.04									
3205838	Drill Core	0.58	0.65	0.29	0.08	<0.01	0.10	<0.01	0.03	0.53	18.15	99.63	0.08	4.66	8.25	1.39	<0.02	11.92	6.83	4.26	3.28	
REP 3205838	QC																				3.26	
3205839	Drill Core	1.05	0.73	0.38	0.13	<0.01	0.21	<0.01	0.03	0.02	16.70	99.03	0.16	5.33	3.08	1.75	0.03	13.01	2.83	0.75	3.20	
REP 3205839	QC																					
3205842	Drill Core	0.99	0.01	0.36	0.11	<0.01	0.22	<0.01	0.06	5.52	11.99	99.58	0.17	2.09	14.83	2.02	0.04	0.09	13.51	3.95	3.14	
REP 3205842	QC																	0.03				
3205844	Drill Core	0.63	0.16	0.30	0.27	<0.01	0.15	<0.01	0.14	0.95	7.33	99.44	0.09	2.16	4.45	1.46	0.03	2.48	3.90	1.67	2.89	



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		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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	10	0.01	0.001
REP 3205844	QC																				
3205854	Drill Core	3.33	4.6	61.1	180.9	283	1.0	159.5	13.0	1016	7.40	87	4.8	2.1	278	<0.5	20.2	<0.5	138	1.08	0.310
REP 3205854	QC																				
3205857	Drill Core	2.45	0.9	22.6	18.9	124	<0.5	38.4	5.1	9413	27.02	32	1.1	1.7	61	<0.5	7.3	<0.5	83	0.33	0.043
REP 3205857	QC																				
3205863	Drill Core	4.13	1.1	51.3	22.2	14	<0.5	63.2	8.2	2012	4.78	28	1.3	2.4	380	<0.5	10.4	<0.5	21	7.39	0.040
REP 3205863	QC																				
3205865	Drill Core	3.74	2.1	64.6	82.0	17	0.7	81.1	9.9	1247	3.89	22	2.3	2.6	485	<0.5	18.3	<0.5	32	7.72	0.240
REP 3205865	QC		2.2	65.1	79.4	15	0.7	83.6	9.9	1250	3.86	22	2.3	2.2	463	<0.5	18.4	<0.5	33	7.65	0.240
3205866	Drill Core	4.18	7.0	46.5	41.8	32	<0.5	77.8	6.8	2175	6.42	15	1.9	1.8	485	<0.5	12.2	<0.5	59	11.48	0.082
REP 3205866	QC																				
3205867	Drill Core	3.89	3.0	57.0	39.8	27	0.7	79.6	8.0	1099	3.50	20	2.6	1.8	473	<0.5	15.7	<0.5	44	7.25	0.298
REP 3205867	QC																				
REP 3205869	QC																				
Core Reject Duplicates																					
3205801	Drill Core	1.42	14.9	39.7	1592.9	62833	8.1	48.0	5.4	7490	26.81	146	2.2	0.9	18	206.6	47.7	<0.5	190	0.22	0.021
DUP 3205801	QC		14.4	43.3	1564.5	62255	8.3	49.4	5.5	7545	26.73	147	2.1	0.9	18	205.2	48.4	<0.5	187	0.22	0.022
3205835	Drill Core	5.18	8.9	47.1	7710.6	95740	19.7	55.7	8.1	3686	19.35	113	3.7	1.2	30	260.2	58.3	<0.5	126	0.15	0.024
DUP 3205835	QC		8.7	47.6	7747.8	95690	19.1	54.3	8.0	3764	19.31	105	3.7	1.0	30	249.4	57.6	<0.5	129	0.15	0.025
3205869	Drill Core	4.06	1.7	58.9	28.1	23	0.6	80.9	9.4	1090	3.30	17	1.9	1.9	342	<0.5	11.7	<0.5	24	6.71	0.109
DUP 3205869	QC		2.1	55.3	28.6	20	0.6	79.5	8.9	1095	3.32	18	1.9	1.8	348	<0.5	12.0	<0.5	25	6.73	0.107
Reference Materials																					
STD AMIS0330	Standard																				
STD AMIS0349	Standard																				
STD AMIS0342	Standard																				
STD AMIS0330	Standard																				
STD AMIS0349	Standard																				
STD AMIS0330	Standard																				
STD COO2	Standard																				



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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

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QUALITY CONTROL REPORT

WHI20000609.1

		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	LF725 Fe2O3 % 0.01	LF725 CaO % 0.01	LF725 MgO % 0.01
REP 3205844	QC																				
3205854	Drill Core	2.5	46.9	0.43	848	0.002	1.23	<0.01	0.13	<0.5	0.30	6.4	<0.5	2.78	<5	9	63.18	10.32	11.20	1.51	0.86
REP 3205854	QC																63.21	10.32	11.14	1.52	0.88
3205857	Drill Core	1.4	36.7	0.90	131	0.001	1.01	<0.01	0.05	<0.5	0.42	9.9	<0.5	0.67	<5	<2	29.27	5.12	39.70	0.46	1.55
REP 3205857	QC																				
3205863	Drill Core	2.9	16.9	2.79	191	<0.001	0.21	<0.01	0.09	<0.5	0.20	6.0	<0.5	1.56	<5	4	48.79	7.97	6.79	10.14	4.79
REP 3205863	QC																48.41	7.88	6.77	10.16	4.75
3205865	Drill Core	3.6	19.6	3.19	348	0.002	0.31	<0.01	0.11	<0.5	0.41	6.4	<0.5	1.79	<5	5	44.50	8.66	5.66	10.87	5.61
REP 3205865	QC	2.2	19.9	3.20	346	0.002	0.34	<0.01	0.12	<0.5	0.39	5.9	<0.5	1.78	<5	4					
3205866	Drill Core	2.3	24.4	4.80	685	0.003	0.24	0.01	0.08	<0.5	0.38	5.3	<0.5	3.01	<5	3	29.10	5.78	9.41	16.54	8.39
REP 3205866	QC																				
3205867	Drill Core	2.0	22.8	2.89	375	0.002	0.37	<0.01	0.12	<0.5	0.37	6.3	<0.5	1.62	<5	4	46.31	8.87	5.06	10.11	5.13
REP 3205867	QC																				
REP 3205869	QC																				
Core Reject Duplicates																					
3205801	Drill Core	0.6	23.1	0.83	241	0.002	0.77	<0.01	0.03	<0.5	65.47	6.7	0.6	9.52	7	2	26.48	2.92	37.66	0.32	1.42
DUP 3205801	QC	0.7	23.6	0.82	240	0.002	0.77	<0.01	0.03	<0.5	67.26	6.9	0.6	9.45	7	2	26.87	2.94	37.80	0.32	1.40
3205835	Drill Core	0.8	13.8	0.46	105	0.001	0.72	<0.01	0.02	<0.5	115.96	3.9	1.1	12.60	11	3	37.61	2.90	27.57	0.20	0.81
DUP 3205835	QC	0.8	14.1	0.48	100	<0.001	0.72	<0.01	0.02	<0.5	112.89	3.5	1.0	12.53	11	3	37.10	2.86	27.51	0.20	0.84
3205869	Drill Core	2.1	17.0	2.93	229	0.001	0.26	<0.01	0.09	<0.5	0.38	7.9	<0.5	1.53	<5	3	48.87	9.76	4.88	9.57	5.23
DUP 3205869	QC	2.4	17.5	2.93	257	0.001	0.29	<0.01	0.10	<0.5	0.37	8.0	<0.5	1.53	<5	3	48.36	9.68	4.85	9.43	5.18
Reference Materials																					
STD AMIS0330	Standard																				
STD AMIS0349	Standard																				
STD AMIS0342	Standard																				
STD AMIS0330	Standard																				
STD AMIS0349	Standard																				
STD AMIS0330	Standard																				
STD COO2	Standard																				



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QUALITY CONTROL REPORT

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		LF725 K2O %	LF725 MnO %	LF725 TiO2 %	LF725 P2O5 %	LF725 Cr2O3 %	LF725 Ba %	LF725 Cu %	LF725 Pb %	LF725 Zn %	LF725 LOI %	LF725 SUM_T %	LF725 V2O5 %	TC000 TOT/C %	TC000 TOT/S %	TC005 C/ORG %	TC005 C/GRA %	TC006 CO2 %	TC010 S/S- %	TC010 SO4 %	SPG04 Density g/cm3
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15	0.01
REP 3205844	QC																	2.48			
3205854	Drill Core	1.34	0.13	0.56	0.74	0.02	0.45	<0.01	0.02	0.03	9.72	100.23	0.10	3.67	2.77	2.82	0.04	2.98	2.44	1.01	2.86
REP 3205854	QC	1.33	0.13	0.55	0.74	0.02	0.45	<0.01	0.02	0.03	9.72	100.20	0.10								
3205857	Drill Core	0.43	1.16	0.30	0.10	<0.01	0.11	<0.01	0.01	0.01	20.97	99.26	0.03	7.05	0.75	1.69	<0.02	19.62	0.40	1.05	3.33
REP 3205857	QC																	0.45			
3205863	Drill Core	0.88	0.25	0.43	0.10	0.02	0.19	<0.01	<0.01	<0.01	17.56	98.00	0.02	5.86	1.68	1.89	0.04	14.44	1.21	1.43	2.87
REP 3205863	QC	0.88	0.26	0.43	0.10	0.01	0.21	<0.01	<0.01	<0.01	17.56	97.51	0.02	5.82	1.70						
3205865	Drill Core	1.10	0.16	0.46	0.56	0.02	0.26	<0.01	0.02	<0.01	19.82	97.83	0.03	7.58	1.98	3.30	0.11	15.31	1.47	1.54	2.89
REP 3205865	QC																				
3205866	Drill Core	0.78	0.28	0.30	0.19	<0.01	0.22	<0.01	0.01	<0.01	25.98	97.08	0.03	8.82	3.20	2.50	0.06	22.97	2.38	2.47	2.94
REP 3205866	QC																0.04				2.96
3205867	Drill Core	1.09	0.15	0.47	0.71	0.02	0.26	<0.01	<0.01	<0.01	19.18	97.47	0.05	7.99	1.78	3.99	0.21	13.90	1.17	1.81	2.95
REP 3205867	QC																	13.81			
REP 3205869	QC																		1.14		
Core Reject Duplicates																					
3205801	Drill Core	0.24	0.93	0.15	0.06	<0.01	0.06	<0.01	0.16	6.24	21.14	99.43	0.04	5.54	9.64	1.55	<0.02	14.55	7.40	6.70	3.52
DUP 3205801	QC	0.23	0.93	0.14	0.06	<0.01	0.06	<0.01	0.17	6.30	21.14	100.02	0.05	5.54	9.56	1.56	<0.02	14.55	7.86	5.09	3.47
3205835	Drill Core	0.18	0.47	0.15	0.06	<0.01	0.03	<0.01	0.76	9.77	16.53	99.54	0.04	3.18	12.67	0.80	<0.02	8.69	10.21	7.37	3.38
DUP 3205835	QC	0.18	0.46	0.16	0.06	<0.01	0.03	<0.01	0.76	9.63	16.60	98.87	0.04	3.21	12.54	0.82	<0.02	8.73	10.02	7.55	3.42
3205869	Drill Core	1.09	0.14	0.53	0.25	0.02	0.25	<0.01	0.01	<0.01	17.97	98.69	0.03	6.33	1.64	2.45	0.08	13.91	1.19	1.35	2.84
DUP 3205869	QC	1.08	0.14	0.51	0.25	0.01	0.25	<0.01	0.01	<0.01	18.13	98.01	0.03	6.37	1.66	2.67	0.08	13.30	1.09	1.71	2.85
Reference Materials																					
STD AMIS0330	Standard																				3.22
STD AMIS0349	Standard																				2.86
STD AMIS0342	Standard																				2.70
STD AMIS0330	Standard																				3.22
STD AMIS0349	Standard																				2.87
STD AMIS0330	Standard																				3.22
STD COO2	Standard																	3.61			



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QUALITY CONTROL REPORT

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		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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	10	0.01	0.001
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS314-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard	8.4	282.0	17096.2	28106	56.8	34.8	28.8	4048	9.02	949	9.0	11.1	27	68.1	40.9	4.7	35	1.88	0.090	
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard	4.8	49005.3	874.7	2139	978.9	1626.3	104.1	73	3.66	1678	0.9	2.9	45	14.1	279.2	19.6	<10	0.18	0.009	
STD OREAS605	Standard	5.0	52408.0	898.9	2133	>1000	1546.4	99.8	82	3.75	1736	0.9	3.6	48	14.9	304.5	19.7	<10	0.19	0.009	
STD OREAS605	Standard	4.5	50404.9	872.3	2171	964.8	1553.6	98.4	81	3.66	1653	0.9	2.9	50	14.6	302.4	19.4	<10	0.19	0.011	
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard	1.1	10906.3	233.0	697	3.9	32.2	32.3	1065	8.24	15	1.6	13.3	12	1.0	1.2	62.8	34	0.30	0.055	



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		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725	
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		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	0.01	0.01	0.01
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS314-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard	37.7	21.8	0.83	424	0.027	1.09	0.02	0.49	2.8	1.12	3.5	6.6	7.39	<5	<2					
STD OREAS133B(D)	Standard																33.81	6.84	11.64	5.31	3.84
STD OREAS133B(D)	Standard																33.65	6.85	11.52	5.29	3.82
STD OREAS133B(D)	Standard																33.63	6.83	11.46	5.23	3.78
STD OREAS605	Standard	7.6	32.4	0.03	153	0.010	0.74	0.03	0.12	7.0	1.62	1.2	15.5	7.76	6	73					
STD OREAS605	Standard	8.1	30.5	0.03	168	0.010	0.71	0.03	0.14	6.5	1.61	1.6	15.2	7.76	7	76					
STD OREAS605	Standard	7.8	29.6	0.03	173	0.010	0.71	0.03	0.14	7.2	1.65	1.0	16.1	7.81	6	76					
STD OREAS72B	Standard																51.02	8.99	9.88	3.97	16.11
STD OREAS72B	Standard																51.10	8.99	9.90	3.98	16.08
STD OREAS72B	Standard																51.07	8.98	9.89	3.99	16.03
STD OREAS927-AR	Standard	28.3	43.2	1.96	47	0.085	3.40	<0.01	0.26	5.5	<0.05	4.7	<0.5	1.71	10	15					



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		LF725 K2O %	LF725 MnO %	LF725 TiO2 %	LF725 P2O5 %	LF725 Cr2O3 %	LF725 Ba %	LF725 Cu %	LF725 Pb %	LF725 Zn %	LF725 LOI %	LF725 SUM_T %	LF725 V2O5 %	TC000 TOT/C %	TC000 TOT/S %	TC005 C/ORG %	TC005 C/GRA %	TC006 CO2 %	TC010 S/S- %	TC010 SO4 %	SPG04 Density g/cm3			
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15	0.01			
STD COO2	Standard																		3.55					
STD COO2	Standard																		3.67					
STD COO2	Standard																		3.52					
STD COO2	Standard																		3.66					
STD COO2	Standard																		3.58					
STD GGC-09	Standard																				2.38			
STD GGC-09	Standard																				2.40			
STD GGC-09	Standard																				2.24			
STD GGC-10	Standard																				4.91			
STD GGC-10	Standard																				4.90			
STD GGC-10	Standard																				5.06			
STD GS311-1	Standard													0.95	2.39									
STD GS311-1	Standard													0.95	2.44									
STD GS311-1	Standard													0.97	2.40									
STD GS314-1	Standard													1.28	28.13									
STD GS910-4	Standard													2.64	8.36									
STD GS910-4	Standard													2.63	8.42									
STD GS910-4	Standard													2.62	8.45									
STD OREAS135	Standard																							
STD OREAS133B(D)	Standard	3.48	0.16	0.21	0.09	<0.01	0.08	0.03	5.06	11.40	13.03	98.42	<0.01											
STD OREAS133B(D)	Standard	3.43	0.16	0.22	0.10	<0.01	0.08	0.03	5.07	11.36	13.03	97.94	<0.01											
STD OREAS133B(D)	Standard	3.42	0.16	0.22	0.10	0.01	0.08	0.02	5.05	11.34	13.03	97.62	<0.01											
STD OREAS605	Standard																							
STD OREAS605	Standard																							
STD OREAS605	Standard																							
STD OREAS72B	Standard	1.34	0.13	0.35	0.06	0.14	0.04	0.02	<0.01	0.01	5.16	98.51	0.01											
STD OREAS72B	Standard	1.32	0.13	0.35	0.06	0.15	0.03	0.02	<0.01	<0.01	5.18	98.58	0.01											
STD OREAS72B	Standard	1.32	0.13	0.35	0.06	0.14	0.03	0.02	<0.01	<0.01	5.19	98.52	0.01											
STD OREAS927-AR	Standard																							



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		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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	10	0.01	0.001
STD OREAS927-AR	Standard		1.1	10868.6	218.1	721	4.3	29.1	29.4	1062	8.14	12	1.6	13.2	13	1.0	1.4	65.5	33	0.31	0.054
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD AMIS0342 Expected																					
STD OREAS927-AR Expected			1.06	10715	203	726	4.9	30.9	29.4	1110	8.15	13.5	1.7	12.5	13.1	1.1	1.3	66	34	0.3	0.054
STD AMIS0349 Expected																					
STD AMIS0330 Expected																					
STD OREAS605 Expected			4.75	49800	856	2170	984	1568	96	83.44	3.6707	1674	0.9		49	13.6	290	19	7.8	0.182	0.0105
STD OREAS135 Expected			8.25	294	17000	28000	55.2	36	29.6	3960	8.97	937	9.4	10.4	26.5	67	38	5.1	33.4	1.83	0.086
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD GS314-1 Expected																					
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					
STD GGC-10 Expected																					
STD GGC-09 Expected																					
STD COO2 Expected																					
STD RTS-3A Expected																					
BLK	Blank		<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	<10	<0.01	0.001
BLK	Blank		<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	<10	<0.01	<0.001
BLK	Blank		<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	<10	<0.01	<0.001
BLK	Blank																				



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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

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QUALITY CONTROL REPORT

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		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	LF725 Fe2O3 % 0.01	LF725 CaO % 0.01	LF725 MgO % 0.01
STD OREAS927-AR	Standard	27.0	41.4	1.92	48	0.087	3.18	<0.01	0.26	5.8	0.09	4.4	<0.5	1.76	9	15					
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD SY-4(D)	Standard																49.89	20.88	6.21	7.97	0.54
STD SY-4(D)	Standard																49.95	20.83	6.20	7.99	0.54
STD SY-4(D)	Standard																49.97	20.86	6.18	7.97	0.53
STD AMIS0342 Expected																					
STD OREAS927-AR Expected		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					
STD AMIS0349 Expected																					
STD AMIS0330 Expected																					
STD OREAS605 Expected		7.5	28.8	0.0289	222	0.0103	0.73	0.0328	0.134	7.1	1.7	1.3	15.5	7.86	6.7	77					
STD OREAS135 Expected		39.8	22	0.833	366	0.026	1.09	0.017	0.487	2.93	1.21	3.51	6.27	7.08	4.8						
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD GS314-1 Expected																					
STD SY-4(D) Expected																	49.9	20.69	6.21	8.05	0.54
STD OREAS72B Expected																	51.17	8.97	9.724	3.96	15.933
STD OREAS133B(D) Expected																	33.83	6.91	11.67	5.4	3.73
STD GGC-10 Expected																					
STD GGC-09 Expected																					
STD COO2 Expected																					
STD RTS-3A Expected																					
BLK	Blank	<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	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	0.06	<0.5	<0.5	<0.05	<5	<2					
BLK	Blank	<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																				



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		LF725 K2O %	LF725 MnO %	LF725 TiO2 %	LF725 P2O5 %	LF725 Cr2O3 %	LF725 Ba %	LF725 Cu %	LF725 Pb %	LF725 Zn %	LF725 LOI %	LF725 SUM_T %	LF725 V2O5 %	TC000 TOT/C %	TC000 TOT/S %	TC005 C/ORG %	TC005 C/GRA %	TC006 CO2 %	TC010 S/S- %	TC010 SO4 %	SPG04 Density g/cm3	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15	0.01	
STD OREAS927-AR	Standard																					
STD RTS-3A	Standard	7.14																				
STD RTS-3A	Standard	6.73																				
STD RTS-3A	Standard	6.73																				
STD RTS-3A	Standard	6.73																				
STD RTS-3A	Standard	6.70																				
STD SY-4(D)	Standard	1.66	0.11	0.30	0.15	<0.01	0.03	<0.01	0.02	0.01	4.56	99.41	<0.01									
STD SY-4(D)	Standard	1.66	0.11	0.30	0.14	<0.01	0.04	<0.01	0.02	0.01	4.56	99.46	<0.01									
STD SY-4(D)	Standard	1.66	0.11	0.30	0.14	<0.01	0.04	<0.01	0.02	0.01	4.56	99.56	<0.01									
STD AMIS0342 Expected		2.67																				
STD OREAS927-AR Expected																						
STD AMIS0349 Expected		2.77																				
STD AMIS0330 Expected		3.21																				
STD OREAS605 Expected																						
STD OREAS135 Expected																						
STD GS311-1 Expected														1.02	2.35							
STD GS910-4 Expected														2.65	8.27							
STD GS314-1 Expected														1.41	29.11							
STD SY-4(D) Expected		1.66	0.108	0.287	0.131	0.0345						4.56										
STD OREAS72B Expected		1.313	0.13	0.355	0.061	0.142	0.0335	0.0193				5.12										
STD OREAS133B(D) Expected								0.08	0.032	5.06	11.35											
STD GGC-10 Expected																		4.79				
STD GGC-09 Expected																		2.41				
STD COO2 Expected																			3.43			
STD RTS-3A Expected																				7		
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank															<0.02	<0.02					



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		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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	10	0.01	0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																				
SI BLK	Blank																				
SI BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		0.9	4.0	1.4	36	<0.5	1.5	4.4	560	1.95	9	0.5	2.4	23	<0.5	<0.5	<0.5	25	0.67	0.044
ROCK-WHI	Prep Blank		0.7	4.9	4.7	98	<0.5	1.4	3.9	478	1.86	<5	<0.5	2.3	20	<0.5	<0.5	<0.5	24	0.69	0.042



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		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		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	0.01	0.01	0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																98.83	0.32	0.03	<0.01	0.02
SI BLK	Blank																98.88	0.31	0.03	<0.01	0.02
SI BLK	Blank																98.63	0.32	0.02	<0.01	0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	6.4	3.2	0.54	53	0.095	0.99	0.10	0.08	<0.5	<0.05	3.2	<0.5	<0.05	<5	<2	70.23	14.16	3.30	2.23	1.00
ROCK-WHI	Prep Blank	6.1	2.9	0.52	51	0.091	0.98	0.10	0.08	0.8	0.08	2.9	<0.5	<0.05	<5	<2	70.54	14.23	3.24	2.23	0.99



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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04			
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4	Density		
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g/cm3		
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15	0.01		
BLK	Blank													<0.02	<0.02								
BLK	Blank													<0.02	<0.02								
BLK	Blank													<0.02									
BLK	Blank													<0.02									
SI BLK	Blank	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.22	<0.01										
SI BLK	Blank	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.23	<0.01										
SI BLK	Blank	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.00	<0.01										
BLK	Blank													<0.02									
BLK	Blank													<0.02									
BLK	Blank													<0.02									
BLK	Blank													<0.02									
BLK	Blank													<0.08									
BLK	Blank													<0.08									
BLK	Blank													<0.08									
BLK	Blank													<0.02									
Prep Wash																							
ROCK-WHI	Prep Blank	1.88	0.09	0.37	0.10	<0.01	0.07	<0.01	<0.01	<0.01	1.03	99.15	<0.01	0.11	0.02	<0.02	<0.02	0.37	<0.02	<0.15	2.73		
ROCK-WHI	Prep Blank	1.89	0.09	0.36	0.09	<0.01	0.07	<0.01	<0.01	<0.01	1.03	99.46	<0.01	0.12	0.03	<0.02	<0.02	0.38	<0.02	<0.15	2.72		