



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 20, 2020
Analysis Start: January 07, 2021
Report Date: January 17, 2021
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CERTIFICATE OF ANALYSIS

WHI20000576.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ20-BV-020
P.O. Number
Number of Samples: 57

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-500	53	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	2	Sort, label and box pulps			WHI
CRUBW	53	Extra clean rock wash between samples in crusher			WHI
PULSW	53	Extra Wash with Silica between each sample			VAN
AQ270	55	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	55	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC000	55	Total C/S Analysis by Leco	0.1	Completed	VAN
TC007	55	Graphite and Organic C by Leco After Ignition	0.1	Completed	VAN
TC006	55	Inorganic Carbon	0.2	Completed	VAN
TC010	55	Analysis by Leco after sodium carbonate leach	0.1	Completed	VAN
SHP01	55	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

V205 from LF725 is Qualitative Data only.

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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VERITAS Canada

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CERTIFICATE OF ANALYSIS

WHI20000576.1

	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
3202576	Drill Core	3.39	10.8	42.8	313.5	38	2.1	172.2	21.8	37	11.22	108	7.2	<0.5	77	20.4	50.8	<0.5	44	0.04	0.040			
3202577	Drill Core	3.93	6.4	41.4	330.7	21	2.1	136.3	9.3	49	12.25	131	8.4	<0.5	42	28.8	55.1	<0.5	30	0.01	0.014			
3202578	Drill Core	3.79	11.8	65.7	330.9	41	2.2	112.8	11.6	42	11.41	123	12.9	<0.5	74	11.2	60.2	<0.5	51	0.02	0.034			
3202579	Drill Core	2.64	5.6	50.1	234.9	38	2.1	174.8	20.1	33	11.72	148	3.6	<0.5	65	9.5	61.2	<0.5	31	<0.01	0.016			
3202580	Rock Pulp	0.04	3.9	496.9	39444.3	49420	58.1	19.3	45.2	2200	7.38	147	1.5	6.3	26	164.9	46.2	<0.5	12	4.88	0.054			
3202581	Drill Core	1.99	17.3	34.8	104.3	133	1.1	88.6	7.1	37	3.89	69	2.8	<0.5	42	7.7	33.4	<0.5	41	<0.01	0.011			
3202582	Drill Core	1.49	17.8	37.8	106.5	57	1.0	88.2	7.8	33	4.08	68	3.0	<0.5	48	5.6	33.0	<0.5	44	<0.01	0.012			
3202583	Drill Core	2.32	7.3	34.7	170.1	255	1.2	85.1	9.6	34	6.31	103	7.1	<0.5	48	15.8	31.4	<0.5	29	<0.01	0.019			
3202584	Drill Core	2.80	5.9	37.7	204.1	73	1.4	89.3	11.0	30	7.50	72	2.2	<0.5	58	7.6	43.5	<0.5	37	0.02	0.029			
3202585	Drill Core	3.96	34.0	45.9	350.7	472	2.5	94.4	6.1	37	15.80	124	5.8	<0.5	23	12.5	63.1	<0.5	84	0.01	0.009			
3202586	Drill Core	3.77	31.2	37.1	286.9	26	1.8	91.4	9.0	40	13.50	120	6.9	<0.5	31	14.6	48.5	<0.5	88	0.01	0.017			
3202587	Drill Core	4.14	11.7	57.2	473.8	19	3.9	87.4	10.0	35	25.20	277	5.1	<0.5	22	23.1	89.9	<0.5	32	0.02	0.010			
3202588	Drill Core	4.17	26.9	47.5	330.6	39	2.3	144.5	17.8	43	13.63	185	11.7	<0.5	49	22.4	60.7	<0.5	80	0.01	0.018			
3202589	Drill Core	4.70	16.1	53.4	549.7	2095	6.1	73.0	8.6	40	23.46	1259	1.4	<0.5	19	12.6	183.8	<0.5	23	0.02	0.013			
3202590	Drill Core	3.59	2.1	38.0	561.0	175	4.4	53.3	8.1	40	21.30	392	1.1	<0.5	13	10.6	101.4	<0.5	13	0.01	0.008			
3202591	Drill Core	4.45	7.0	99.2	689.9	27567	9.7	49.7	9.0	52	22.85	700	1.3	<0.5	13	128.9	156.9	<0.5	12	0.01	0.006			
3202592	Drill Core	4.01	5.1	64.5	353.7	35794	3.5	39.6	9.8	50	9.77	303	3.0	<0.5	14	176.4	66.9	<0.5	11	<0.01	0.006			
3202593	Drill Core	3.61	4.1	49.5	321.3	5554	2.1	42.2	15.5	45	9.18	146	4.8	<0.5	19	57.0	42.4	<0.5	14	<0.01	0.009			
3202594	Drill Core	3.51	1.2	70.2	331.2	1217	1.7	34.9	17.4	41	8.75	117	1.0	<0.5	10	9.5	50.6	<0.5	11	<0.01	0.010			
3202595	Drill Core	3.04	2.8	38.2	206.8	1170	1.5	43.6	17.3	42	6.01	113	1.2	<0.5	22	8.0	33.4	<0.5	15	0.02	0.016			
3202596	Drill Core	3.78	1.3	80.2	320.7	19397	2.7	41.1	23.1	43	9.17	122	<0.5	<0.5	19	102.7	57.8	<0.5	13	0.02	0.023			
3202597	Drill Core	4.55	7.0	3230.9	10099.9	28740	14.0	73.7	55.2	59	13.55	277	0.9	<0.5	18	150.1	4373.1	<0.5	24	<0.01	0.016			
3202598	Drill Core	2.04	10.4	206.6	759.2	51766	6.4	60.3	17.5	64	17.24	337	0.5	<0.5	12	256.2	187.5	<0.5	15	<0.01	0.010			
3202599	Drill Core	3.16	5.8	27.1	235.6	275	1.5	37.4	12.1	45	9.28	165	0.8	<0.5	12	3.9	35.0	<0.5	16	<0.01	0.010			
3202600	Rock	0.90	<0.5	0.7	1.9	13	<0.5	<0.5	<0.5	140	0.08	<5	<0.5	<0.5	76	<0.5	<0.5	<0.5	<10	32.47	0.009			
3202601	Drill Core	1.62	8.0	29.3	204.7	5587	1.6	38.3	11.6	41	9.55	138	0.6	<0.5	13	29.2	34.5	<0.5	18	<0.01	0.012			
3202602	Drill Core	1.38	10.6	25.3	187.8	3232	1.5	40.6	11.8	46	8.89	132	0.8	<0.5	15	17.7	30.6	<0.5	21	<0.01	0.013			
3202603	Drill Core	4.30	2.7	35.2	396.6	3680	3.1	69.9	10.4	43	17.77	177	<0.5	<0.5	25	19.0	71.6	<0.5	17	0.02	0.018			
3202604	Drill Core	4.74	1.3	35.3	499.1	844	4.1	88.2	10.9	34	20.99	193	0.6	<0.5	16	7.5	98.7	<0.5	16	<0.01	0.014			
3202605	Drill Core	4.00	9.0	35.3	401.5	28	3.5	63.5	12.6	46	17.47	208	3.1	<0.5	21	18.4	65.4	<0.5	30	<0.01	0.012			



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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
3202576	Drill Core	0.9	24.1	<0.01	432	0.002	0.30	<0.01	0.10	<0.5	0.95	1.7	1.8	13.00	<5	4	63.65	6.25	16.86	0.07	0.08
3202577	Drill Core	1.0	16.7	<0.01	308	<0.001	0.26	<0.01	0.09	<0.5	0.85	1.5	1.5	13.92	<5	4	65.31	4.19	18.28	0.02	0.07
3202578	Drill Core	1.5	18.6	<0.01	400	0.001	0.32	<0.01	0.13	<0.5	0.84	2.3	1.9	13.30	<5	4	62.99	6.15	17.30	0.04	0.13
3202579	Drill Core	0.7	22.5	<0.01	410	0.001	0.28	<0.01	0.10	1.4	0.81	1.5	1.8	13.77	<5	4	62.18	6.06	17.43	0.02	0.10
3202580	Rock Pulp	22.4	16.6	2.68	248	0.019	1.02	0.01	0.69	0.7	0.72	2.7	45.3	7.74	<5	<2	38.01	7.68	10.89	6.90	4.86
3202581	Drill Core	0.5	12.0	<0.01	281	0.001	0.24	<0.01	0.09	<0.5	0.37	1.4	1.4	4.33	<5	3	82.59	4.66	5.77	0.02	0.11
3202582	Drill Core	0.6	12.4	<0.01	289	<0.001	0.24	<0.01	0.09	<0.5	0.31	1.4	1.4	4.51	<5	2	82.21	4.65	6.14	0.02	0.10
3202583	Drill Core	0.8	15.0	<0.01	308	<0.001	0.25	<0.01	0.09	<0.5	0.91	1.5	1.1	7.20	<5	3	77.89	4.76	9.44	0.03	0.09
3202584	Drill Core	0.7	14.0	<0.01	401	0.001	0.36	<0.01	0.15	<0.5	0.68	1.7	1.8	8.62	<5	3	71.29	7.07	11.22	0.04	0.16
3202585	Drill Core	1.5	11.9	<0.01	177	<0.001	0.18	<0.01	0.06	<0.5	1.54	1.0	1.7	18.48	<5	4	58.46	2.24	24.04	0.02	0.05
3202586	Drill Core	0.8	14.3	<0.01	224	<0.001	0.22	<0.01	0.07	<0.5	0.71	1.1	1.7	15.78	<5	4	63.20	2.71	20.39	0.02	0.06
3202587	Drill Core	0.5	12.4	<0.01	158	0.003	0.17	<0.01	0.06	<0.5	1.52	1.0	1.5	>30	<5	4	36.07	2.26	38.39	0.02	0.04
3202588	Drill Core	1.5	22.8	<0.01	268	<0.001	0.26	<0.01	0.10	<0.5	0.91	2.3	1.9	16.13	<5	6	60.40	4.51	20.63	0.03	0.08
3202589	Drill Core	<0.5	17.5	<0.01	137	<0.001	0.14	<0.01	0.05	<0.5	4.36	0.5	9.8	28.05	<5	2	42.18	1.65	35.76	0.03	0.04
3202590	Drill Core	<0.5	10.6	<0.01	121	<0.001	0.12	<0.01	0.04	<0.5	1.33	0.6	2.5	25.44	<5	<2	48.05	1.36	32.23	0.02	0.03
3202591	Drill Core	<0.5	13.1	<0.01	109	<0.001	0.10	<0.01	0.04	<0.5	45.51	0.9	8.2	28.56	<5	<2	41.05	1.27	34.75	0.01	0.02
3202592	Drill Core	<0.5	11.9	<0.01	144	<0.001	0.14	<0.01	0.06	<0.5	59.04	0.6	2.5	12.99	<5	<2	69.73	1.87	14.41	0.02	0.03
3202593	Drill Core	<0.5	10.6	<0.01	142	<0.001	0.14	<0.01	0.06	<0.5	10.35	1.0	0.7	10.87	<5	<2	75.72	1.96	13.81	0.02	0.04
3202594	Drill Core	<0.5	6.6	<0.01	121	<0.001	0.12	<0.01	0.05	<0.5	3.37	<0.5	0.7	10.04	<5	<2	77.40	1.76	12.93	0.02	0.02
3202595	Drill Core	<0.5	9.2	<0.01	173	<0.001	0.17	<0.01	0.07	<0.5	3.05	0.7	0.8	6.89	<5	<2	81.81	2.66	8.92	0.03	0.05
3202596	Drill Core	<0.5	7.1	<0.01	130	<0.001	0.12	<0.01	0.05	<0.5	34.58	<0.5	1.0	10.56	<5	<2	75.67	1.90	12.15	0.04	0.05
3202597	Drill Core	<0.5	11.1	<0.01	127	<0.001	0.13	<0.01	0.04	<0.5	54.83	0.7	2.6	16.19	<5	4	63.51	1.65	18.35	0.02	0.04
3202598	Drill Core	<0.5	9.3	<0.01	98	<0.001	0.09	<0.01	0.03	<0.5	96.98	<0.5	4.9	21.28	<5	2	54.65	1.41	23.83	0.02	0.04
3202599	Drill Core	<0.5	7.6	<0.01	126	<0.001	0.13	<0.01	0.05	<0.5	3.15	0.7	1.2	9.95	<5	<2	77.10	1.74	12.55	0.01	0.03
3202600	Rock	1.2	0.9	1.41	18	0.002	0.02	<0.01	0.01	<0.5	0.68	<0.5	<0.5	<0.05	<5	<2	8.01	0.13	0.22	48.26	4.27
3202601	Drill Core	<0.5	6.5	<0.01	117	<0.001	0.12	<0.01	0.05	<0.5	9.82	0.9	0.8	10.47	<5	<2	76.65	1.71	12.95	0.02	0.04
3202602	Drill Core	<0.5	7.9	<0.01	124	<0.001	0.12	<0.01	0.05	<0.5	5.95	0.8	0.8	9.55	<5	<2	78.15	1.81	12.17	0.02	0.04
3202603	Drill Core	<0.5	6.0	<0.01	112	<0.001	0.11	<0.01	0.04	<0.5	7.81	0.5	0.8	20.06	<5	<2	59.35	1.57	25.02	0.03	0.04
3202604	Drill Core	<0.5	5.1	<0.01	112	<0.001	0.11	<0.01	0.04	<0.5	3.78	0.6	1.0	23.62	<5	<2	52.94	1.44	29.95	0.02	0.04
3202605	Drill Core	<0.5	8.7	<0.01	135	<0.001	0.14	<0.01	0.05	<0.5	2.66	1.2	1.2	19.28	<5	<2	60.92	1.63	24.06	0.02	0.03



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Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010
Analyte	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
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	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
3202576 Drill Core	1.07	0.01	0.75	0.20	0.01	0.64	<0.01	0.03	<0.01	9.93	99.73	0.06	0.70	13.22	0.68	0.02	<0.08	10.24	8.93
3202577 Drill Core	0.77	0.01	0.27	0.09	<0.01	0.33	<0.01	0.03	<0.01	10.06	99.55	0.04	0.49	14.43	0.46	0.03	<0.08	9.80	13.87
3202578 Drill Core	1.17	<0.01	0.38	0.19	<0.01	0.44	<0.01	0.03	<0.01	10.45	99.41	0.07	0.98	13.62	0.93	0.03	<0.08	9.77	11.54
3202579 Drill Core	1.08	<0.01	0.62	0.17	0.02	0.55	<0.01	0.02	<0.01	10.17	98.59	0.04	0.52	14.05	0.50	0.02	<0.08	11.03	9.05
3202580 Rock Pulp	3.61	0.28	0.25	0.12	<0.01	0.09	0.04	3.62	5.01	15.65	98.73	0.01	3.37	8.11	0.66	<0.02	9.92	3.37	14.20
3202581 Drill Core	0.91	0.01	0.28	0.13	<0.01	0.33	<0.01	0.01	0.01	4.63	99.56	0.07	1.22	4.48	1.15	0.08	<0.08	3.17	3.95
3202582 Drill Core	0.90	0.01	0.28	0.13	<0.01	0.34	<0.01	0.02	<0.01	4.94	99.83	0.07	1.31	4.72	1.24	0.07	<0.08	3.30	4.25
3202583 Drill Core	0.91	<0.01	0.32	0.12	<0.01	0.34	<0.01	0.02	0.03	6.09	100.16	0.04	0.79	7.37	0.75	0.03	<0.08	5.21	6.45
3202584 Drill Core	1.39	<0.01	0.44	0.14	<0.01	0.46	<0.01	0.01	<0.01	7.16	99.52	0.05	0.66	8.79	0.64	0.02	<0.08	6.95	5.53
3202585 Drill Core	0.42	<0.01	0.12	0.05	<0.01	0.15	<0.01	0.04	0.05	14.12	99.85	0.08	1.91	18.54	1.85	0.05	<0.08	13.39	15.43
3202586 Drill Core	0.51	0.01	0.15	0.07	<0.01	0.18	<0.01	0.03	<0.01	12.27	99.66	0.09	1.83	16.16	1.79	0.04	<0.08	12.21	11.83
3202587 Drill Core	0.42	<0.01	0.15	0.05	<0.01	0.14	<0.01	0.06	<0.01	20.63	98.30	0.03	0.74	29.71	0.72	<0.02	<0.08	23.53	18.52
3202588 Drill Core	0.86	<0.01	0.36	0.10	<0.01	0.32	<0.01	0.04	<0.01	12.20	99.64	0.10	1.53	16.08	1.32	0.20	<0.08	10.97	15.31
3202589 Drill Core	0.30	0.01	0.09	0.05	<0.01	0.11	<0.01	0.05	0.21	18.70	99.28	0.02	0.62	28.43	0.60	<0.02	<0.08	19.72	26.10
3202590 Drill Core	0.25	<0.01	0.08	0.03	<0.01	0.09	<0.01	0.05	0.02	16.39	98.66	0.01	0.18	25.21	0.17	<0.02	<0.08	16.32	26.63
3202591 Drill Core	0.24	0.01	0.06	0.04	<0.01	0.09	<0.01	0.08	2.81	18.29	99.47	0.01	0.16	28.50	0.15	<0.02	<0.08	20.01	25.44
3202592 Drill Core	0.35	0.01	0.10	0.02	<0.01	0.13	<0.01	0.04	3.57	8.16	99.42	0.01	0.26	12.85	0.24	<0.02	<0.08	9.15	11.09
3202593 Drill Core	0.36	<0.01	0.10	0.03	<0.01	0.13	<0.01	0.03	0.56	7.23	100.17	0.01	0.27	10.92	0.24	<0.02	<0.08	7.68	9.72
3202594 Drill Core	0.33	<0.01	0.08	0.03	<0.01	0.13	<0.01	0.04	0.12	6.56	99.49	0.02	0.18	10.18	0.16	<0.02	<0.08	5.71	13.39
3202595 Drill Core	0.51	<0.01	0.14	0.05	<0.01	0.17	<0.01	0.02	0.12	4.75	99.32	0.02	0.26	6.87	0.25	<0.02	<0.08	4.53	7.01
3202596 Drill Core	0.37	0.01	0.10	0.06	<0.01	0.13	<0.01	0.04	1.84	6.66	99.52	0.02	0.16	10.46	0.14	<0.02	<0.08	6.58	11.64
3202597 Drill Core	0.29	0.01	0.09	0.05	<0.01	0.10	0.29	0.93	2.70	10.21	99.14	0.02	0.36	15.82	0.34	<0.02	<0.08	11.08	14.20
3202598 Drill Core	0.25	0.01	0.08	0.04	<0.01	0.09	0.01	0.07	4.90	13.24	99.94	0.01	0.22	20.85	0.19	0.02	<0.08	13.60	21.72
3202599 Drill Core	0.33	0.01	0.08	0.03	<0.01	0.10	<0.01	0.02	0.03	6.62	98.70	0.02	0.31	9.71	0.28	0.02	<0.08	5.43	12.83
3202600 Rock	<0.01	0.02	<0.01	0.02	<0.01	0.02	<0.01	<0.01	<0.01	39.20	100.21	<0.01	11.05	<0.02	0.51	<0.02	38.65	<0.02	<0.15
3202601 Drill Core	0.32	0.01	0.10	0.04	<0.01	0.10	<0.01	0.02	0.54	6.96	99.63	0.02	0.41	10.26	0.30	0.14	<0.08	8.42	5.52
3202602 Drill Core	0.35	0.01	0.09	0.04	<0.01	0.12	<0.01	0.02	0.31	6.55	99.79	0.02	0.51	9.49	0.47	0.03	<0.08	7.30	6.57
3202603 Drill Core	0.29	0.01	0.08	0.05	<0.01	0.09	<0.01	0.04	0.35	12.81	99.87	0.02	0.22	19.36	0.21	<0.02	<0.08	14.63	14.17
3202604 Drill Core	0.27	<0.01	0.07	0.04	<0.01	0.10	<0.01	0.05	0.08	15.16	100.23	0.01	0.19	22.97	0.17	<0.02	<0.08	16.83	18.40
3202605 Drill Core	0.30	0.02	0.09	0.04	<0.01	0.10	<0.01	0.04	<0.01	12.59	99.87	0.03	0.55	18.61	0.51	0.03	<0.08	14.02	13.75



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MacMillan Pass

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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
3202606	Drill Core	3.91	10.7	72.6	662.5	53	8.9	68.0	12.5	42	23.74	287	3.6	<0.5	28	17.1	82.9	<0.5	42	<0.01	0.013
3202607	Drill Core	3.98	12.8	31.2	450.3	311	3.0	85.7	17.7	43	13.80	302	3.0	<0.5	27	15.5	63.7	<0.5	36	<0.01	0.016
3202608	Drill Core	3.42	21.6	65.7	368.6	344	3.2	160.6	45.5	56	14.32	264	2.6	0.7	419	2.3	106.8	<0.5	75	0.23	0.143
3202609	Drill Core	2.86	64.8	103.2	400.0	142	2.6	209.0	26.5	52	6.39	303	5.8	<0.5	38	1.2	116.9	<0.5	112	<0.01	0.019
3202610	Drill Core	2.61	80.2	108.7	415.5	284	2.8	205.8	29.2	61	6.38	283	10.0	<0.5	60	4.7	136.2	<0.5	163	0.03	0.029
3202611	Drill Core	3.53	60.1	61.1	287.2	437	2.4	185.3	26.7	51	6.12	366	7.7	<0.5	49	7.1	84.7	<0.5	192	0.02	0.025
3202612	Drill Core	4.18	74.1	91.3	276.8	557	3.1	205.5	23.8	44	5.10	296	9.1	<0.5	20	10.8	90.8	<0.5	280	<0.01	0.012
3202613	Drill Core	2.87	87.9	71.9	252.5	321	2.3	225.2	27.4	37	3.65	243	11.8	<0.5	17	3.7	87.2	<0.5	623	<0.01	0.011
3202614	Drill Core	3.31	84.4	48.0	210.0	41	1.7	189.1	22.9	51	5.23	277	9.6	<0.5	23	6.6	66.1	<0.5	370	<0.01	0.016
3202615	Drill Core	3.53	44.0	40.4	188.4	306	1.4	106.3	14.1	45	4.79	131	3.7	<0.5	9	3.5	45.1	<0.5	245	<0.01	0.006
3202616	Drill Core	3.64	56.9	86.2	395.6	439	3.9	172.2	31.0	60	8.49	216	11.6	<0.5	31	7.3	79.2	<0.5	161	0.02	0.020
3202617	Drill Core	3.38	49.7	64.2	347.4	68	5.5	154.0	22.2	50	8.46	197	4.6	<0.5	27	1.6	63.4	<0.5	88	<0.01	0.016
3202618	Drill Core	4.63	33.4	92.9	671.2	562	8.0	184.0	17.0	45	21.12	314	4.0	<0.5	18	11.9	114.3	<0.5	84	<0.01	0.015
3202619	Drill Core	1.17	42.8	52.7	472.3	60	4.9	217.9	22.6	51	26.30	407	6.1	<0.5	18	2.2	142.4	<0.5	99	<0.01	0.010
3202620	Rock Pulp	0.04	2.9	327.8	>40000	111539	103.1	24.6	25.5	1332	8.03	152	1.3	5.6	17	335.2	173.6	0.6	<10	3.94	0.043
3202621	Drill Core	1.37	45.5	57.4	421.8	79	4.1	189.7	25.1	49	20.39	417	7.7	<0.5	131	0.8	102.8	<0.5	143	0.03	0.055
3202622	Drill Core	1.88	62.1	63.5	495.4	190	4.5	209.1	29.7	49	18.20	437	10.9	<0.5	139	1.7	110.2	<0.5	175	0.03	0.060
3202623	Drill Core	4.09	36.9	60.6	423.4	71	4.1	208.3	36.7	45	17.95	489	6.3	<0.5	196	3.4	115.9	<0.5	115	0.11	0.085
3202624	Drill Core	2.76	34.8	87.4	470.5	156	3.6	131.0	46.1	41	7.62	261	5.7	<0.5	24	13.7	70.0	<0.5	99	<0.01	0.015
3202625	Drill Core	4.30	35.4	111.1	580.2	584	11.2	112.5	21.1	55	21.04	507	4.5	<0.5	34	8.0	118.1	<0.5	117	0.01	0.014
3202626	Drill Core	4.01	48.0	79.6	418.9	201	4.5	133.5	43.5	56	14.39	428	4.9	<0.5	34	1.7	92.7	<0.5	120	0.02	0.023
3202627	Drill Core	3.51	33.4	86.9	438.1	9483	5.9	134.6	32.4	67	17.55	460	4.1	<0.5	70	49.7	94.7	<0.5	68	0.06	0.030
3202628	Drill Core	4.77	109.9	63.6	428.2	123	3.4	299.6	45.4	67	15.13	491	12.9	0.8	185	0.6	109.2	<0.5	246	0.11	0.071
3202629	Drill Core	4.07	107.5	49.1	305.3	41	2.4	209.7	35.9	64	6.71	288	16.2	<0.5	72	1.0	78.4	<0.5	243	0.04	0.045
3202630	Drill Core	0.71	76.9	81.4	438.6	96	3.2	314.3	76.2	62	11.31	605	14.1	0.5	46	15.0	125.8	<0.5	161	0.01	0.018
3202631	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
3202632	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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Project: MacMillan Pass
Report Date: January 17, 2021

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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
3202606	Drill Core	0.7	12.5	<0.01	179	<0.001	0.18	<0.01	0.06	<0.5	8.18	1.5	1.6	26.97	<5	2	42.80	2.64	34.23	0.01	0.04
3202607	Drill Core	0.5	11.6	<0.01	136	<0.001	0.14	<0.01	0.04	<0.5	1.84	1.2	1.7	15.18	<5	2	66.59	1.89	19.16	0.03	0.04
3202608	Drill Core	1.6	18.2	<0.01	197	0.002	0.44	<0.01	0.15	<0.5	2.36	1.7	2.7	16.22	<5	4	53.04	8.18	20.32	0.32	0.12
3202609	Drill Core	<0.5	15.3	<0.01	185	<0.001	0.17	<0.01	0.06	<0.5	1.91	1.1	2.9	6.80	<5	7	79.96	1.86	8.74	0.02	0.05
3202610	Drill Core	1.0	18.7	<0.01	256	<0.001	0.21	<0.01	0.08	<0.5	2.19	1.5	3.3	6.78	<5	9	78.08	2.42	8.63	0.05	0.05
3202611	Drill Core	0.8	20.3	<0.01	269	0.003	0.19	<0.01	0.07	<0.5	1.85	1.3	2.9	6.45	<5	9	78.99	2.54	8.43	0.05	0.07
3202612	Drill Core	<0.5	21.7	<0.01	260	0.010	0.19	<0.01	0.07	<0.5	2.51	1.4	3.1	5.36	<5	12	81.18	2.15	7.06	0.02	0.05
3202613	Drill Core	<0.5	36.0	<0.01	364	0.037	0.21	<0.01	0.08	0.8	1.62	1.6	3.4	3.78	<5	13	81.82	1.95	5.00	0.02	0.05
3202614	Drill Core	<0.5	26.9	<0.01	266	0.020	0.19	<0.01	0.07	0.5	1.15	1.3	2.9	5.38	<5	13	80.12	1.76	6.97	0.02	0.05
3202615	Drill Core	<0.5	18.5	<0.01	174	0.014	0.11	<0.01	0.04	<0.5	1.10	0.7	1.8	4.99	<5	8	85.08	1.05	6.54	0.02	0.02
3202616	Drill Core	<0.5	14.0	<0.01	205	0.003	0.14	<0.01	0.05	<0.5	1.59	1.1	2.6	9.10	<5	10	74.75	1.59	11.65	0.04	0.03
3202617	Drill Core	<0.5	13.3	<0.01	164	<0.001	0.13	<0.01	0.04	<0.5	4.64	0.8	1.8	9.09	<5	6	76.95	1.59	11.84	0.03	0.03
3202618	Drill Core	<0.5	13.3	<0.01	143	<0.001	0.11	<0.01	0.04	<0.5	7.60	0.6	3.4	24.14	<5	7	48.31	1.34	31.10	0.02	0.02
3202619	Drill Core	<0.5	16.5	<0.01	132	<0.001	0.14	<0.01	0.05	<0.5	1.62	1.3	2.3	29.37	<5	10	37.22	1.59	38.23	0.01	0.04
3202620	Rock Pulp	19.0	12.9	2.15	95	0.012	0.80	<0.01	0.50	<0.5	5.11	2.5	47.6	10.98	<5	3	34.24	6.93	11.30	5.31	3.83
3202621	Drill Core	0.9	21.6	<0.01	150	<0.001	0.24	<0.01	0.08	<0.5	1.46	1.6	2.0	23.32	<5	13	46.71	3.38	29.80	0.05	0.06
3202622	Drill Core	0.9	25.5	<0.01	162	0.001	0.27	<0.01	0.08	<0.5	1.96	1.5	2.4	20.54	<5	14	51.47	3.53	25.78	0.05	0.04
3202623	Drill Core	1.4	29.9	<0.01	177	<0.001	0.26	<0.01	0.09	<0.5	1.51	1.2	2.7	20.43	<5	12	50.78	3.67	25.35	0.15	0.05
3202624	Drill Core	1.0	23.0	<0.01	125	<0.001	0.19	<0.01	0.07	<0.5	2.29	1.4	2.1	8.18	<5	9	76.13	2.49	10.45	0.02	0.05
3202625	Drill Core	0.7	16.5	<0.01	110	<0.001	0.16	<0.01	0.06	<0.5	13.08	1.2	2.3	24.10	<5	8	47.97	1.86	30.99	0.04	0.04
3202626	Drill Core	0.8	20.7	0.01	125	0.002	0.19	<0.01	0.07	<0.5	3.29	1.1	2.6	16.03	<5	8	62.78	2.31	20.78	0.08	0.08
3202627	Drill Core	0.8	24.9	0.01	113	0.002	0.18	<0.01	0.07	<0.5	13.32	0.9	2.6	20.23	<5	5	54.42	2.33	24.93	0.13	0.07
3202628	Drill Core	2.1	27.0	0.02	229	0.002	0.34	<0.01	0.14	<0.5	2.01	1.3	3.2	16.94	<5	12	53.68	5.18	21.61	0.20	0.14
3202629	Drill Core	1.2	22.8	0.01	224	0.002	0.32	<0.01	0.13	<0.5	1.56	1.4	2.9	7.22	<5	10	74.36	3.99	9.32	0.08	0.11
3202630	Drill Core	1.8	34.1	0.01	186	0.001	0.26	<0.01	0.12	<0.5	2.24	2.3	4.1	12.29	<5	8	65.97	4.16	15.75	0.05	0.09
3202631	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
3202632	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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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
		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
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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
3202606	Drill Core	0.49	0.01	0.20	0.05	<0.01	0.16	<0.01	0.06	<0.01	18.44	99.21	0.04	0.85	26.85	0.81	0.04	<0.08	19.15	23.07
3202607	Drill Core	0.35	0.02	0.15	0.05	<0.01	0.11	<0.01	0.04	0.03	10.49	99.02	0.05	0.85	14.94	0.80	0.05	<0.08	11.28	10.97
3202608	Drill Core	1.48	<0.01	1.62	0.53	<0.01	0.50	<0.01	0.04	0.03	12.77	99.11	0.12	1.28	15.71	1.20	0.08	<0.08	12.40	9.92
3202609	Drill Core	0.37	<0.01	0.12	0.04	<0.01	0.12	<0.01	0.03	<0.01	8.08	99.43	0.13	3.51	6.85	3.12	0.39	<0.08	4.97	5.63
3202610	Drill Core	0.47	0.01	0.13	0.08	0.02	0.16	<0.01	0.03	0.02	8.58	98.78	0.17	3.87	6.92	3.38	0.48	<0.08	4.92	6.01
3202611	Drill Core	0.50	<0.01	0.23	0.08	<0.01	0.19	<0.01	0.02	0.04	8.36	99.56	0.20	3.89	6.65	3.22	0.67	<0.08	5.10	4.63
3202612	Drill Core	0.43	0.01	0.13	0.04	<0.01	0.14	<0.01	0.02	0.05	8.12	99.47	0.24	4.38	5.54	3.66	0.71	<0.08	4.25	3.86
3202613	Drill Core	0.39	0.01	0.11	0.03	<0.01	0.14	<0.01	0.01	0.03	8.25	97.84	0.34	5.42	3.94	4.53	0.88	<0.08	3.34	1.79
3202614	Drill Core	0.34	<0.01	0.10	0.04	<0.01	0.12	<0.01	0.01	<0.01	8.04	97.61	0.25	4.34	5.61	3.76	0.57	<0.08	3.71	5.71
3202615	Drill Core	0.20	<0.01	0.06	0.01	<0.01	0.10	<0.01	0.02	0.03	6.07	99.23	0.15	2.72	5.10	2.27	0.44	<0.08	3.74	4.06
3202616	Drill Core	0.31	0.02	0.08	0.05	<0.01	0.13	<0.01	0.04	0.04	9.33	98.12	0.14	3.41	9.06	3.14	0.26	<0.08	6.27	8.36
3202617	Drill Core	0.29	<0.01	0.11	0.04	<0.01	0.10	<0.01	0.03	<0.01	8.72	99.76	0.10	2.71	9.28	2.58	0.13	<0.08	7.22	6.17
3202618	Drill Core	0.25	0.01	0.07	0.04	<0.01	0.09	<0.01	0.07	0.06	18.17	99.60	0.08	2.32	23.88	2.27	0.05	<0.08	18.19	17.05
3202619	Drill Core	0.29	<0.01	0.07	0.03	<0.01	0.08	<0.01	0.03	<0.01	21.66	99.33	0.10	2.11	30.56	2.08	0.03	<0.08	23.05	22.50
3202620	Rock Pulp	3.49	0.17	0.22	0.09	<0.01	0.08	0.02	4.87	10.72	14.49	98.99	<0.01	2.49	10.78	0.40	<0.02	7.66	3.38	22.18
3202621	Drill Core	0.63	0.01	0.17	0.14	<0.01	0.11	<0.01	0.05	<0.01	18.03	99.21	0.16	2.58	23.58	2.51	0.07	<0.08	15.81	23.28
3202622	Drill Core	0.63	<0.01	0.21	0.16	<0.01	0.12	<0.01	0.04	0.01	16.62	98.73	0.21	2.95	20.73	2.87	0.08	<0.08	13.81	20.73
3202623	Drill Core	0.70	0.01	0.38	0.21	0.01	0.12	<0.01	0.03	<0.01	16.37	97.90	0.14	2.83	20.20	2.68	0.15	<0.08	16.50	11.09
3202624	Drill Core	0.49	<0.01	0.17	0.04	<0.01	0.09	<0.01	0.04	<0.01	8.85	98.88	0.14	3.35	8.11	2.93	0.42	<0.08	6.19	5.75
3202625	Drill Core	0.38	<0.01	0.10	0.05	<0.01	0.06	<0.01	0.05	0.06	17.89	99.58	0.11	2.12	24.69	2.01	0.10	<0.08	18.25	19.29
3202626	Drill Core	0.45	0.01	0.12	0.07	<0.01	0.07	<0.01	0.04	0.01	13.28	100.14	0.14	2.59	15.96	2.42	0.17	<0.08	11.35	13.81
3202627	Drill Core	0.45	0.01	0.25	0.09	<0.01	0.06	<0.01	0.04	0.92	14.82	98.82	0.07	1.93	19.26	1.82	0.11	<0.08	14.55	14.11
3202628	Drill Core	1.04	0.02	0.30	0.20	<0.01	0.17	<0.01	0.03	<0.01	16.90	99.56	0.29	5.27	17.07	5.06	0.20	<0.08	13.71	10.07
3202629	Drill Core	0.83	0.01	0.21	0.12	<0.01	0.12	<0.01	0.03	<0.01	9.62	98.86	0.27	4.45	7.14	4.14	0.31	<0.08	5.18	5.87
3202630	Drill Core	0.85	0.01	0.16	0.08	<0.01	0.14	<0.01	0.04	<0.01	11.66	99.03	0.23	3.24	12.11	3.11	0.12	<0.08	9.86	6.75
3202631	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
3202632	Drill Core	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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Project:

MacMillan Pass

Report Date:

January 17, 2021

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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
3202580	Rock Pulp	0.04	3.9	496.9	39444.3	49420	58.1	19.3	45.2	2200	7.38	147	1.5	6.3	26	164.9	46.2	<0.5	12	4.88	0.054
3202613	Drill Core	2.87	87.9	71.9	252.5	321	2.3	225.2	27.4	37	3.65	243	11.8	<0.5	17	3.7	87.2	<0.5	623	<0.01	0.011
Pulp Duplicates																					
3202577	Drill Core	3.93	6.4	41.4	330.7	21	2.1	136.3	9.3	49	12.25	131	8.4	<0.5	42	28.8	55.1	<0.5	30	0.01	0.014
REP 3202577	QC																				
3202581	Drill Core	1.99	17.3	34.8	104.3	133	1.1	88.6	7.1	37	3.89	69	2.8	<0.5	42	7.7	33.4	<0.5	41	<0.01	0.011
REP 3202581	QC																				
3202585	Drill Core	3.96	34.0	45.9	350.7	472	2.5	94.4	6.1	37	15.80	124	5.8	<0.5	23	12.5	63.1	<0.5	84	0.01	0.009
REP 3202585	QC																				
3202586	Drill Core	3.77	31.2	37.1	286.9	26	1.8	91.4	9.0	40	13.50	120	6.9	<0.5	31	14.6	48.5	<0.5	88	0.01	0.017
REP 3202586	QC																				
3202588	Drill Core	4.17	26.9	47.5	330.6	39	2.3	144.5	17.8	43	13.63	185	11.7	<0.5	49	22.4	60.7	<0.5	80	0.01	0.018
REP 3202588	QC																				
3202598	Drill Core	2.04	10.4	206.6	759.2	51766	6.4	60.3	17.5	64	17.24	337	0.5	<0.5	12	256.2	187.5	<0.5	15	<0.01	0.010
REP 3202598	QC		10.1	210.2	745.6	51209	6.1	58.4	17.0	62	16.97	335	<0.5	<0.5	11	242.4	180.2	<0.5	14	<0.01	0.012
3202609	Drill Core	2.86	64.8	103.2	400.0	142	2.6	209.0	26.5	52	6.39	303	5.8	<0.5	38	1.2	116.9	<0.5	112	<0.01	0.019
REP 3202609	QC																				
3202614	Drill Core	3.31	84.4	48.0	210.0	41	1.7	189.1	22.9	51	5.23	277	9.6	<0.5	23	6.6	66.1	<0.5	370	<0.01	0.016
REP 3202614	QC																				
3202615	Drill Core	3.53	44.0	40.4	188.4	306	1.4	106.3	14.1	45	4.79	131	3.7	<0.5	9	3.5	45.1	<0.5	245	<0.01	0.006
REP 3202615	QC																				
3202619	Drill Core	1.17	42.8	52.7	472.3	60	4.9	217.9	22.6	51	26.30	407	6.1	<0.5	18	2.2	142.4	<0.5	99	<0.01	0.010
REP 3202619	QC																				
3202621	Drill Core	1.37	45.5	57.4	421.8	79	4.1	189.7	25.1	49	20.39	417	7.7	<0.5	131	0.8	102.8	<0.5	143	0.03	0.055
REP 3202621	QC																				
3202622	Drill Core	1.88	62.1	63.5	495.4	190	4.5	209.1	29.7	49	18.20	437	10.9	<0.5	139	1.7	110.2	<0.5	175	0.03	0.060
REP 3202622	QC																				
Core Reject Duplicates																					
3202591	Drill Core	4.45	7.0	99.2	689.9	27567	9.7	49.7	9.0	52	22.85	700	1.3	<0.5	13	128.9	156.9	<0.5	12	0.01	0.006



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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
3202580	Rock Pulp	22.4	16.6	2.68	248	0.019	1.02	0.01	0.69	0.7	0.72	2.7	45.3	7.74	<5	<2	38.01	7.68	10.89	6.90	4.86
3202613	Drill Core	<0.5	36.0	<0.01	364	0.037	0.21	<0.01	0.08	0.8	1.62	1.6	3.4	3.78	<5	13	81.82	1.95	5.00	0.02	0.05
Pulp Duplicates																					
3202577	Drill Core	1.0	16.7	<0.01	308	<0.001	0.26	<0.01	0.09	<0.5	0.85	1.5	1.5	13.92	<5	4	65.31	4.19	18.28	0.02	0.07
REP 3202577	QC																65.65	4.24	18.29	0.02	0.08
3202581	Drill Core	0.5	12.0	<0.01	281	0.001	0.24	<0.01	0.09	<0.5	0.37	1.4	1.4	4.33	<5	3	82.59	4.66	5.77	0.02	0.11
REP 3202581	QC																				
3202585	Drill Core	1.5	11.9	<0.01	177	<0.001	0.18	<0.01	0.06	<0.5	1.54	1.0	1.7	18.48	<5	4	58.46	2.24	24.04	0.02	0.05
REP 3202585	QC																				
3202586	Drill Core	0.8	14.3	<0.01	224	<0.001	0.22	<0.01	0.07	<0.5	0.71	1.1	1.7	15.78	<5	4	63.20	2.71	20.39	0.02	0.06
REP 3202586	QC																63.24	2.72	20.53	0.03	0.06
3202588	Drill Core	1.5	22.8	<0.01	268	<0.001	0.26	<0.01	0.10	<0.5	0.91	2.3	1.9	16.13	<5	6	60.40	4.51	20.63	0.03	0.08
REP 3202588	QC																				
3202598	Drill Core	<0.5	9.3	<0.01	98	<0.001	0.09	<0.01	0.03	<0.5	96.98	<0.5	4.9	21.28	<5	2	54.65	1.41	23.83	0.02	0.04
REP 3202598	QC	<0.5	8.8	<0.01	92	<0.001	0.10	<0.01	0.03	<0.5	95.48	0.6	5.0	21.11	<5	3					
3202609	Drill Core	<0.5	15.3	<0.01	185	<0.001	0.17	<0.01	0.06	<0.5	1.91	1.1	2.9	6.80	<5	7	79.96	1.86	8.74	0.02	0.05
REP 3202609	QC																80.01	1.86	8.70	0.02	0.05
3202614	Drill Core	<0.5	26.9	<0.01	266	0.020	0.19	<0.01	0.07	0.5	1.15	1.3	2.9	5.38	<5	13	80.12	1.76	6.97	0.02	0.05
REP 3202614	QC																				
3202615	Drill Core	<0.5	18.5	<0.01	174	0.014	0.11	<0.01	0.04	<0.5	1.10	0.7	1.8	4.99	<5	8	85.08	1.05	6.54	0.02	0.02
REP 3202615	QC																85.46	1.05	6.53	0.02	0.03
3202619	Drill Core	<0.5	16.5	<0.01	132	<0.001	0.14	<0.01	0.05	<0.5	1.62	1.3	2.3	29.37	<5	10	37.22	1.59	38.23	0.01	0.04
REP 3202619	QC																				
3202621	Drill Core	0.9	21.6	<0.01	150	<0.001	0.24	<0.01	0.08	<0.5	1.46	1.6	2.0	23.32	<5	13	46.71	3.38	29.80	0.05	0.06
REP 3202621	QC																				
3202622	Drill Core	0.9	25.5	<0.01	162	0.001	0.27	<0.01	0.08	<0.5	1.96	1.5	2.4	20.54	<5	14	51.47	3.53	25.78	0.05	0.04
REP 3202622	QC																				
Core Reject Duplicates																					
3202591	Drill Core	<0.5	13.1	<0.01	109	<0.001	0.10	<0.01	0.04	<0.5	45.51	0.9	8.2	28.56	<5	<2	41.05	1.27	34.75	0.01	0.02



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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
		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
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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
3202580	Rock Pulp	3.61	0.28	0.25	0.12	<0.01	0.09	0.04	3.62	5.01	15.65	98.73	0.01	3.37	8.11	0.66	<0.02	9.92	3.37	14.20
3202613	Drill Core	0.39	0.01	0.11	0.03	<0.01	0.14	<0.01	0.01	0.03	8.25	97.84	0.34	5.42	3.94	4.53	0.88	<0.08	3.34	1.79
Pulp Duplicates																				
3202577	Drill Core	0.77	0.01	0.27	0.09	<0.01	0.33	<0.01	0.03	<0.01	10.06	99.55	0.04	0.49	14.43	0.46	0.03	<0.08	9.80	13.87
REP 3202577	QC	0.79	0.01	0.28	0.10	<0.01	0.35	<0.01	0.03	<0.01	10.06	100.02	0.04							
3202581	Drill Core	0.91	0.01	0.28	0.13	<0.01	0.33	<0.01	0.01	0.01	4.63	99.56	0.07	1.22	4.48	1.15	0.08	<0.08	3.17	3.95
REP 3202581	QC																		2.79	
3202585	Drill Core	0.42	<0.01	0.12	0.05	<0.01	0.15	<0.01	0.04	0.05	14.12	99.85	0.08	1.91	18.54	1.85	0.05	<0.08	13.39	15.43
REP 3202585	QC																0.05			
3202586	Drill Core	0.51	0.01	0.15	0.07	<0.01	0.18	<0.01	0.03	<0.01	12.27	99.66	0.09	1.83	16.16	1.79	0.04	<0.08	12.21	11.83
REP 3202586	QC	0.51	0.01	0.15	0.07	<0.01	0.18	<0.01	0.03	<0.01	12.27	99.86	0.09							
3202588	Drill Core	0.86	<0.01	0.36	0.10	<0.01	0.32	<0.01	0.04	<0.01	12.20	99.64	0.10	1.53	16.08	1.32	0.20	<0.08	10.97	15.31
REP 3202588	QC																	<0.08		
3202598	Drill Core	0.25	0.01	0.08	0.04	<0.01	0.09	0.01	0.07	4.90	13.24	99.94	0.01	0.22	20.85	0.19	0.02	<0.08	13.60	21.72
REP 3202598	QC																			
3202609	Drill Core	0.37	<0.01	0.12	0.04	<0.01	0.12	<0.01	0.03	<0.01	8.08	99.43	0.13	3.51	6.85	3.12	0.39	<0.08	4.97	5.63
REP 3202609	QC	0.37	<0.01	0.11	0.04	<0.01	0.12	<0.01	0.02	<0.01	8.08	99.46	0.13							
3202614	Drill Core	0.34	<0.01	0.10	0.04	<0.01	0.12	<0.01	0.01	<0.01	8.04	97.61	0.25	4.34	5.61	3.76	0.57	<0.08	3.71	5.71
REP 3202614	QC																		3.91	
3202615	Drill Core	0.20	<0.01	0.06	0.01	<0.01	0.10	<0.01	0.02	0.03	6.07	99.23	0.15	2.72	5.10	2.27	0.44	<0.08	3.74	4.06
REP 3202615	QC	0.21	0.01	0.06	0.02	<0.01	0.09	<0.01	0.02	0.03	6.07	99.60	0.15							
3202619	Drill Core	0.29	<0.01	0.07	0.03	<0.01	0.08	<0.01	0.03	<0.01	21.66	99.33	0.10	2.11	30.56	2.08	0.03	<0.08	23.05	22.50
REP 3202619	QC																0.03			
3202621	Drill Core	0.63	0.01	0.17	0.14	<0.01	0.11	<0.01	0.05	<0.01	18.03	99.21	0.16	2.58	23.58	2.51	0.07	<0.08	15.81	23.28
REP 3202621	QC													2.60	23.07					
3202622	Drill Core	0.63	<0.01	0.21	0.16	<0.01	0.12	<0.01	0.04	0.01	16.62	98.73	0.21	2.95	20.73	2.87	0.08	<0.08	13.81	20.73
REP 3202622	QC																	<0.08		
Core Reject Duplicates																				
3202591	Drill Core	0.24	0.01	0.06	0.04	<0.01	0.09	<0.01	0.08	2.81	18.29	99.47	0.01	0.16	28.50	0.15	<0.02	<0.08	20.01	25.44



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Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

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QUALITY CONTROL REPORT

WHI20000576.1

		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
DUP 3202591	QC		7.2	101.5	690.3	28099	10.0	49.8	8.7	52	23.00	706	1.3	<0.5	12	136.2	162.7	<0.5	11	0.01	0.006
3202625	Drill Core	4.30	35.4	111.1	580.2	584	11.2	112.5	21.1	55	21.04	507	4.5	<0.5	34	8.0	118.1	<0.5	117	0.01	0.014
DUP 3202625	QC		35.1	102.0	535.4	503	9.6	120.1	22.6	46	20.98	535	4.6	<0.5	27	7.7	114.9	<0.5	116	<0.01	0.014
Reference Materials																					
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS314-1	Standard																				
STD GS314-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard		8.9	297.0	17986.3	28688	58.2	36.8	31.5	4132	9.17	971	10.1	11.7	28	74.0	41.5	5.6	34	1.91	0.097
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard		4.4	47447.8	853.2	2140	969.5	1525.8	99.0	75	3.60	1715	0.8	2.3	50	12.8	275.4	18.9	<10	0.18	0.010
STD OREAS605	Standard		4.7	49219.0	884.9	2203	980.5	1664.8	102.5	83	3.84	1740	0.9	2.5	49	14.5	285.0	20.9	<10	0.18	0.012
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard		0.9	10704.6	207.0	716	4.0	29.0	30.5	1073	8.10	11	1.5	12.6	12	0.9	1.1	60.9	35	0.30	0.049
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD SY-4(D)	Standard																				



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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
DUP 3202591	QC	<0.5	12.6	<0.01	114	0.001	0.10	<0.01	0.04	<0.5	47.13	0.6	8.4	29.03	<5	<2	41.00	1.26	34.87	0.01	0.02
3202625	Drill Core	0.7	16.5	<0.01	110	<0.001	0.16	<0.01	0.06	<0.5	13.08	1.2	2.3	24.10	<5	8	47.97	1.86	30.99	0.04	0.04
DUP 3202625	QC	0.7	16.6	<0.01	105	<0.001	0.15	<0.01	0.06	<0.5	11.69	1.0	2.3	23.91	<5	8	47.49	1.88	30.41	0.03	0.04
Reference Materials																					
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS314-1	Standard																				
STD GS314-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard	42.1	23.3	0.86	430	0.029	1.18	0.02	0.55	3.2	1.31	3.8	7.0	7.29	5	<2					
STD OREAS133B(D)	Standard																33.75	6.79	11.55	5.24	3.73
STD OREAS133B(D)	Standard																33.62	6.83	11.56	5.28	3.76
STD OREAS605	Standard	6.5	29.0	0.03	257	0.011	0.74	0.03	0.14	7.1	1.61	0.9	15.9	7.70	6	69					
STD OREAS605	Standard	7.8	27.7	0.03	173	0.011	0.78	0.03	0.14	7.4	1.98	1.1	16.3	7.82	7	78					
STD OREAS72B	Standard																51.10	8.98	9.89	3.97	16.02
STD OREAS72B	Standard																51.13	8.98	9.90	3.97	16.03
STD OREAS927-AR	Standard	24.7	42.2	1.90	43	0.087	3.22	<0.01	0.26	5.4	0.14	4.3	<0.5	1.82	8	15					
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD SY-4(D)	Standard																49.86	20.78	6.20	7.93	0.53



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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 %	
		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	
DUP 3202591	QC	0.23	0.01	0.07	0.02	<0.01	0.09	<0.01	0.07	2.85	18.44	99.71	0.01	0.16	28.97	0.15	<0.02	<0.08	19.66	27.89	
3202625	Drill Core	0.38	<0.01	0.10	0.05	<0.01	0.06	<0.01	0.05	0.06	17.89	99.58	0.11	2.12	24.69	2.01	0.10	<0.08	18.25	19.29	
DUP 3202625	QC	0.37	0.01	0.10	0.04	<0.01	0.06	<0.01	0.06	0.04	17.90	98.46	0.12	2.21	24.09	2.07	0.14	<0.08	16.24	23.52	
Reference Materials																					
STD COO2	Standard																		3.47		
STD COO2	Standard																		3.45		
STD COO2	Standard																		3.70		
STD COO2	Standard																		3.64		
STD GGC-09	Standard																2.25				
STD GGC-09	Standard																2.62				
STD GGC-10	Standard																4.77				
STD GGC-10	Standard																4.50				
STD GS311-1	Standard													0.94	2.42						
STD GS311-1	Standard													0.95	2.43						
STD GS314-1	Standard													1.29	28.16						
STD GS314-1	Standard													1.28	28.54						
STD GS910-4	Standard													2.62	8.41						
STD GS910-4	Standard													2.65	8.49						
STD OREAS135	Standard																				
STD OREAS133B(D)	Standard	3.43	0.16	0.22	0.10	<0.01	0.09	0.03	5.05	11.35	13.03	97.88	0.01								
STD OREAS133B(D)	Standard	3.44	0.16	0.22	0.10	<0.01	0.07	0.03	5.06	11.39	13.03	97.90	0.01								
STD OREAS605	Standard																				
STD OREAS605	Standard																				
STD OREAS72B	Standard	1.33	0.14	0.34	0.06	0.15	0.04	0.02	<0.01	<0.01	5.15	98.47	0.02								
STD OREAS72B	Standard	1.32	0.13	0.35	0.06	0.15	0.03	0.02	<0.01	0.01	5.01	98.38	0.01								
STD OREAS927-AR	Standard																				
STD RTS-3A	Standard																		6.99		
STD RTS-3A	Standard																		6.69		
STD SY-4(D)	Standard	1.66	0.11	0.30	0.13	<0.01	0.04	<0.01	0.01	0.01	4.56	99.24	<0.01								



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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
		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
STD SY-4(D)	Standard																			
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
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
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
STD SY-4(D) Expected																				
STD OREAS72B Expected																				
STD OREAS133B(D) Expected																				
STD GGC-10 Expected																				
STD GGC-09 Expected																				
STD GS311-1 Expected																				
STD GS910-4 Expected																				
STD GS314-1 Expected																				
STD RTS-3A Expected																				
STD COO2 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
BLK	Blank		<0.5	<0.5	1.6	<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
BLK	Blank																			
SI BLK	Blank																			
SI BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
ROCK-WHI	Prep Blank		0.7	1.7	2.5	38	<0.5	0.7	3.2	372	1.84	<5	<0.5	2.3	22	<0.5	<0.5	<0.5	25	0.60
ROCK-WHI	Prep Blank		0.7	1.4	1.8	48	<0.5	1.0	3.3	394	1.81	<5	<0.5	2.3	25	<0.5	<0.5	<0.5	22	0.65



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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 SY-4(D)	Standard																49.91	20.82	6.21	7.95	0.53
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 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 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 GS311-1 Expected																					
STD GS910-4 Expected																					
STD GS314-1 Expected																					
STD RTS-3A Expected																					
STD COO2 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	0.08	<0.5	<0.5	<0.05	<5	<2					
BLK	Blank																				
SI BLK	Blank																98.51	0.31	0.03	0.02	0.02
SI BLK	Blank																99.32	0.31	0.03	0.01	<0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	5.9	1.8	0.47	80	0.096	0.90	0.11	0.10	<0.5	0.08	2.7	<0.5	0.05	<5	<2	71.31	14.17	3.18	2.27	0.85
ROCK-WHI	Prep Blank	6.5	2.1	0.46	66	0.100	0.95	0.11	0.09	<0.5	0.10	2.9	<0.5	<0.05	<5	<2	71.46	14.07	3.10	2.32	0.82



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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010		
		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	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
		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	
STD SY-4(D)	Standard	1.65	0.11	0.30	0.14	<0.01	0.03	<0.01	0.01	0.01	4.56	99.43	<0.01								
STD OREAS927-AR Expected																					
STD OREAS605 Expected																					
STD OREAS135 Expected																					
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 GS311-1 Expected														1.02	2.35						
STD GS910-4 Expected														2.65	8.27						
STD GS314-1 Expected														1.41	29.11						
STD RTS-3A Expected																				7	
STD COO2 Expected																				3.43	
BLK	Blank																				
BLK	Blank																				
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	98.90	<0.01								
SI BLK	Blank	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.70	<0.01								
BLK	Blank																<0.02				
BLK	Blank													<0.02	<0.02						
BLK	Blank													<0.02	<0.02						
BLK	Blank																			<0.02	
BLK	Blank																			<0.02	
BLK	Blank																			<0.08	
BLK	Blank																			<0.08	
Prep Wash																					
ROCK-WHI	Prep Blank	1.98	0.08	0.34	0.09	<0.01	0.08	<0.01	<0.01	<0.01	0.69	99.64	<0.01	0.07	0.04	<0.02	<0.02	0.23	0.03	<0.15	
ROCK-WHI	Prep Blank	2.03	0.08	0.34	0.09	<0.01	0.08	<0.01	<0.01	<0.01	0.65	99.53	<0.01	0.07	<0.02	0.02	<0.02	0.21	<0.02	<0.15	