



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 09, 2020
Analysis Start: January 06, 2021
Report Date: January 30, 2021
Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI20000543.2

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ20-BV-016
P.O. Number
Number of Samples: 76

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	2	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	76	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	76	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC000	76	Total C/S Analysis by Leco	0.1	Completed	VAN
TC007	76	Graphite and Organic C by Leco After Ignition	0.1	Completed	VAN
TC006	76	Inorganic Carbon	0.2	Completed	VAN
TC010	76	Analysis by Leco after sodium carbonate leach	0.1	Completed	VAN
SHP01	76	Per sample shipping charges for branch shipments			VAN
SPG04	1	Specific Gravity by Picnometry		Completed	VAN

ADDITIONAL COMMENTS

V205 from LF725 is Qualitative Data only. Version 2 : SPG04 included.



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.



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

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

2 of 4

Part:

1 of 3

CERTIFICATE OF ANALYSIS

WHI20000543.2

	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
3202451	Drill Core	3.52	1.1	292.3	331.9	179623	40.2	36.2	11.2	2900	9.97	100	0.5	0.6	31	1064.8	167.8	<0.5	23	0.13	0.039			
3202452	Drill Core	3.86	<0.5	80.0	53.0	41605	11.0	27.8	7.0	2766	9.80	53	2.2	<0.5	57	235.5	45.1	<0.5	50	0.11	0.049			
3202453	Drill Core	3.87	<0.5	9.6	18.8	1628	0.9	24.5	3.3	1286	4.67	19	1.3	<0.5	27	7.4	16.0	<0.5	18	0.06	0.024			
3202454	Drill Core	4.94	0.8	46.7	25.5	40237	5.7	26.0	4.1	2702	9.22	22	0.5	<0.5	32	213.2	24.7	<0.5	40	0.11	0.033			
3202455	Drill Core	4.41	1.3	72.4	84.0	54552	10.3	27.7	7.4	2786	9.89	24	0.6	<0.5	41	265.4	39.4	<0.5	55	0.14	0.051			
3202456	Drill Core	4.66	1.2	28.3	101.5	21647	3.5	36.8	5.2	1353	5.05	42	0.9	<0.5	43	107.8	26.7	<0.5	30	0.14	0.060			
3202457	Drill Core	5.40	4.2	11.6	76.0	3874	1.6	34.6	5.9	3873	12.08	28	1.0	1.0	70	17.9	15.6	<0.5	89	0.18	0.052			
3202458	Drill Core	6.13	2.1	21.4	41.1	17938	2.4	42.9	7.4	4791	15.29	32	1.2	0.7	62	77.6	16.3	<0.5	100	0.21	0.056			
3202459	Drill Core	3.97	1.1	170.8	726.4	170003	36.1	41.6	34.3	2647	9.70	83	<0.5	0.5	41	526.2	164.1	<0.5	45	0.16	0.054			
3202460	Rock Pulp	0.05	4.1	464.4	34779.1	47307	57.4	18.7	44.6	2163	7.30	145	1.5	6.1	25	163.6	44.4	<0.5	10	4.90	0.049			
3202461	Drill Core	2.47	1.6	24.1	51.8	21256	2.8	32.0	7.3	5255	16.03	45	<0.5	0.8	61	81.4	18.1	<0.5	91	0.24	0.064			
3202462	Drill Core	2.73	1.8	30.6	86.8	25872	4.7	40.1	11.2	4149	13.00	47	<0.5	0.7	57	79.9	33.2	<0.5	67	0.20	0.058			
3202463	Drill Core	6.06	2.2	29.0	84.2	11147	2.6	37.2	8.5	3698	11.62	86	0.6	0.8	65	56.9	28.6	<0.5	74	0.22	0.064			
3202464	Drill Core	4.84	1.5	9.7	52.1	3427	1.2	33.5	4.4	1317	4.73	48	0.6	<0.5	25	15.7	18.9	<0.5	26	0.10	0.034			
3202465	Drill Core	4.23	0.8	54.6	128.1	21416	8.8	36.5	6.3	894	4.02	79	<0.5	<0.5	20	114.5	55.2	<0.5	17	0.08	0.030			
3202466	Drill Core	4.47	1.1	20.6	31.6	14094	2.8	33.9	5.0	2096	7.45	47	<0.5	<0.5	28	66.1	21.9	<0.5	49	0.11	0.035			
3202467	Drill Core	4.44	1.3	12.7	64.6	3619	2.0	44.7	6.0	2259	8.02	91	<0.5	<0.5	26	20.0	25.1	<0.5	50	0.12	0.043			
3202468	Drill Core	5.34	2.0	170.4	151.7	151184	26.4	49.3	11.3	773	3.93	88	0.5	0.8	35	636.4	95.9	<0.5	34	0.13	0.050			
3202469	Drill Core	5.18	2.0	43.0	78.7	29236	5.8	34.6	10.6	1331	5.08	61	<0.5	0.7	35	78.9	33.3	<0.5	42	0.14	0.054			
3202470	Drill Core	5.00	1.0	25.3	46.6	11629	2.4	43.0	6.1	688	3.05	78	<0.5	<0.5	24	51.1	28.5	<0.5	27	0.13	0.059			
3202471	Drill Core	4.75	0.9	94.8	41.9	51824	6.3	35.1	4.3	1685	6.94	50	<0.5	<0.5	20	262.2	43.6	<0.5	50	0.12	0.039			
3202472	Drill Core	4.97	1.1	21.4	69.9	7815	2.1	34.0	5.5	462	2.99	96	<0.5	<0.5	32	48.2	27.1	<0.5	14	0.11	0.058			
3202473	Drill Core	4.36	0.7	18.6	33.6	9026	1.6	35.3	6.2	1461	5.21	71	<0.5	<0.5	35	57.3	24.7	<0.5	30	0.16	0.065			
3202474	Drill Core	4.59	1.0	12.3	67.1	4202	1.6	33.1	5.3	1105	4.95	74	<0.5	<0.5	32	29.6	22.5	<0.5	32	0.17	0.071			
3202475	Drill Core	4.54	1.7	26.7	50.5	9576	2.8	41.4	6.7	687	3.38	58	0.5	0.5	47	66.8	29.0	<0.5	30	0.23	0.111			
3202476	Drill Core	4.10	0.6	13.3	31.4	8459	1.5	26.1	3.9	1385	5.38	61	0.6	<0.5	34	53.5	20.7	<0.5	28	0.14	0.055			
3202477	Drill Core	5.01	1.0	155.4	370.6	109783	24.5	42.8	9.5	349	3.60	130	<0.5	<0.5	42	548.9	99.3	<0.5	13	0.20	0.087			
3202478	Drill Core	4.16	1.4	38.6	319.3	22297	5.0	39.7	5.3	549	3.68	92	<0.5	<0.5	47	128.8	40.0	<0.5	24	0.33	0.144			
3202479	Drill Core	3.49	1.1	13.3	82.9	3019	1.7	30.5	3.9	1449	5.41	31	<0.5	<0.5	38	19.2	28.1	<0.5	31	0.16	0.061			
3202480	Rock	0.41	<0.5	0.7	0.9	15	<0.5	<0.5	<0.5	196	0.11	<5	<0.5	<0.5	73	<0.5	<0.5	<0.5	<10	29.28	0.009			



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

2 of 4

Part:

2 of 3

CERTIFICATE OF ANALYSIS

WHI20000543.2

	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
3202451	Drill Core	0.5	16.8	0.54	36	0.001	0.28	<0.01	0.03	<0.5	174.15	5.8	<0.5	10.29	10	6	47.76	1.65	14.12	0.21	0.94
3202452	Drill Core	<0.5	25.1	0.39	1252	<0.001	0.25	<0.01	0.03	<0.5	43.88	4.9	<0.5	2.79	<5	<2	68.66	1.59	13.66	0.18	0.58
3202453	Drill Core	<0.5	18.1	0.14	41	<0.001	0.12	<0.01	0.03	<0.5	2.69	1.6	<0.5	0.57	<5	<2	85.28	2.06	6.80	0.12	0.26
3202454	Drill Core	0.7	24.1	0.26	53	<0.001	0.25	<0.01	0.04	<0.5	42.56	4.1	<0.5	2.49	<5	<2	69.58	2.40	13.16	0.18	0.42
3202455	Drill Core	0.9	22.4	0.26	58	<0.001	0.37	<0.01	0.05	<0.5	52.92	4.3	<0.5	3.10	<5	3	65.35	3.29	14.08	0.23	0.43
3202456	Drill Core	0.5	18.5	0.14	58	<0.001	0.24	<0.01	0.04	<0.5	22.96	2.1	<0.5	1.42	<5	3	80.56	2.95	7.38	0.23	0.24
3202457	Drill Core	1.8	25.9	0.32	148	0.001	0.31	<0.01	0.09	<0.5	3.95	6.1	<0.5	0.55	<5	<2	62.40	6.90	17.37	0.28	0.54
3202458	Drill Core	1.1	23.6	0.41	104	0.001	0.49	<0.01	0.07	<0.5	17.85	8.9	<0.5	1.24	<5	2	54.58	4.78	22.37	0.32	0.66
3202459	Drill Core	0.6	18.9	0.23	47	<0.001	0.28	<0.01	0.04	<0.5	165.91	3.0	1.0	9.40	11	4	49.58	2.54	13.52	0.24	0.38
3202460	Rock Pulp	21.4	15.9	2.66	230	0.018	1.01	0.01	0.68	0.6	0.66	2.6	42.7	7.75	<5	<2	38.12	7.69	10.86	6.93	4.92
3202461	Drill Core	1.1	24.8	0.39	77	0.001	0.30	<0.01	0.07	<0.5	19.60	7.2	<0.5	1.33	<5	<2	53.14	4.71	23.71	0.36	0.62
3202462	Drill Core	1.1	22.5	0.32	79	0.001	0.33	<0.01	0.07	<0.5	24.50	5.3	<0.5	1.67	<5	<2	59.79	4.83	18.50	0.29	0.52
3202463	Drill Core	1.9	25.5	0.30	94	0.001	0.25	<0.01	0.08	<0.5	11.06	6.5	<0.5	0.88	<5	3	63.42	5.15	16.87	0.33	0.50
3202464	Drill Core	<0.5	19.8	0.13	55	<0.001	0.15	<0.01	0.05	<0.5	3.32	1.7	<0.5	0.45	<5	<2	84.80	2.09	7.00	0.17	0.24
3202465	Drill Core	<0.5	24.1	0.13	37	<0.001	0.15	<0.01	0.03	<0.5	16.49	1.4	<0.5	1.84	<5	2	85.45	1.43	5.79	0.13	0.22
3202466	Drill Core	0.6	31.0	0.25	60	<0.001	0.26	<0.01	0.05	<0.5	12.75	4.2	<0.5	1.09	<5	2	77.82	1.90	10.56	0.18	0.40
3202467	Drill Core	0.6	25.8	0.27	60	<0.001	0.23	<0.01	0.04	<0.5	3.88	5.1	0.6	1.03	<5	2	77.44	2.35	11.65	0.18	0.40
3202468	Drill Core	1.5	17.2	0.11	72	0.001	0.31	<0.01	0.04	<0.5	144.94	2.0	0.6	7.79	7	6	63.68	3.69	5.66	0.20	0.24
3202469	Drill Core	1.2	18.2	0.13	78	0.001	0.29	<0.01	0.06	<0.5	30.08	2.7	0.5	1.96	<5	3	73.97	5.28	7.26	0.22	0.25
3202470	Drill Core	0.5	21.0	0.08	56	<0.001	0.23	<0.01	0.03	<0.5	14.20	2.2	<0.5	1.28	<5	<2	87.40	2.65	4.51	0.20	0.15
3202471	Drill Core	<0.5	26.4	0.20	40	<0.001	0.27	<0.01	0.02	<0.5	58.70	3.9	<0.5	3.50	<5	2	73.61	1.73	10.04	0.18	0.30
3202472	Drill Core	0.8	24.4	0.06	53	<0.001	0.17	<0.01	0.03	<0.5	10.24	1.4	0.5	1.87	<5	<2	88.16	2.41	4.47	0.19	0.12
3202473	Drill Core	<0.5	24.0	0.13	53	<0.001	0.18	<0.01	0.03	<0.5	11.32	3.2	<0.5	0.93	<5	<2	83.54	1.72	7.58	0.25	0.23
3202474	Drill Core	<0.5	22.2	0.12	41	<0.001	0.22	<0.01	0.02	<0.5	5.17	2.5	<0.5	1.53	<5	<2	84.33	2.22	7.23	0.25	0.22
3202475	Drill Core	0.9	22.6	0.08	69	0.001	0.23	<0.01	0.04	<0.5	12.13	2.2	<0.5	1.30	<5	<2	86.26	3.09	4.97	0.35	0.14
3202476	Drill Core	<0.5	20.0	0.16	43	<0.001	0.12	<0.01	0.02	<0.5	10.14	2.5	<0.5	1.32	<5	<2	83.56	1.57	7.89	0.21	0.28
3202477	Drill Core	<0.5	13.1	0.04	52	<0.001	0.13	<0.01	0.02	<0.5	105.48	<0.5	1.9	7.10	<5	4	73.14	1.64	5.05	0.30	0.10
3202478	Drill Core	0.6	18.5	0.06	62	0.001	0.21	<0.01	0.03	<0.5	21.44	1.7	1.0	2.82	<5	3	84.10	2.37	5.33	0.46	0.12
3202479	Drill Core	<0.5	23.8	0.17	52	<0.001	0.18	<0.01	0.03	<0.5	4.12	2.0	<0.5	0.64	<5	<2	83.18	1.69	7.91	0.24	0.28
3202480	Rock	1.5	0.6	2.08	12	0.002	0.02	<0.01	0.01	<0.5	<0.05	1.4	<0.5	<0.05	<5	<2	8.87	0.13	0.23	46.26	6.31



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

2 of 4

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI20000543.2

Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04
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	Density
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g/cm3
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	0.01
3202451	Drill Core	0.21	0.37	0.17	0.13	<0.01	0.03	0.03	0.04	18.73	11.59	100.69	0.01	2.11	10.81	0.53	<0.02	5.75	5.36	16.32
3202452	Drill Core	0.20	0.35	0.08	0.11	<0.01	0.14	<0.01	<0.01	4.31	8.12	99.07	0.01	2.18	2.97	0.50	<0.02	6.12	1.90	3.21
3202453	Drill Core	0.23	0.17	0.10	0.05	<0.01	0.03	<0.01	<0.01	0.16	3.62	98.91	<0.01	1.05	0.65	0.26	<0.02	2.86	0.34	0.93
3202454	Drill Core	0.30	0.34	0.16	0.07	<0.01	0.04	<0.01	<0.01	4.22	7.65	99.58	0.02	2.17	2.69	0.54	<0.02	5.96	1.15	4.61
3202455	Drill Core	0.34	0.35	0.20	0.11	<0.01	0.04	<0.01	0.01	5.74	8.37	100.01	0.02	2.32	3.40	0.64	<0.02	6.14	1.72	5.05
3202456	Drill Core	0.33	0.18	0.16	0.15	<0.01	0.03	<0.01	<0.01	2.12	4.48	99.42	0.02	1.25	1.60	0.43	<0.02	2.95	0.99	1.81
3202457	Drill Core	0.75	0.49	0.41	0.13	<0.01	0.10	<0.01	<0.01	0.39	10.07	99.99	0.04	3.11	0.63	0.84	<0.02	8.29	0.34	0.86
3202458	Drill Core	0.48	0.60	0.30	0.13	<0.01	0.06	<0.01	<0.01	1.77	12.46	99.02	0.03	3.97	1.39	0.98	<0.02	10.89	0.87	1.56
3202459	Drill Core	0.28	0.33	0.20	0.14	<0.01	0.04	0.01	0.08	17.57	10.68	99.99	0.02	2.08	9.64	0.58	<0.02	5.46	6.13	10.52
3202460	Rock Pulp	3.57	0.28	0.25	0.11	<0.01	0.09	0.04	3.59	5.01	16.23	99.40	<0.01	3.15	7.90	0.39	<0.02	10.09	1.49	19.21
3202461	Drill Core	0.51	0.68	0.31	0.16	<0.01	0.05	<0.01	<0.01	2.11	12.98	99.90	0.03	4.10	1.46	0.99	<0.02	11.36	0.68	2.35
3202462	Drill Core	0.53	0.51	0.31	0.14	<0.01	0.07	<0.01	<0.01	2.70	10.55	99.44	0.03	3.21	1.80	0.91	<0.02	8.37	1.21	1.74
3202463	Drill Core	0.59	0.48	0.35	0.16	<0.01	0.07	<0.01	<0.01	1.09	9.72	99.04	0.03	3.02	0.99	0.52	<0.02	9.12	0.73	0.81
3202464	Drill Core	0.30	0.17	0.12	0.09	<0.01	0.03	<0.01	<0.01	0.34	3.96	99.39	<0.01	1.38	0.50	0.44	0.04	3.31	0.24	0.78
3202465	Drill Core	0.21	0.12	0.10	0.06	<0.01	0.03	<0.01	0.01	2.08	3.39	99.56	<0.01	0.88	2.06	0.27	<0.02	2.23	1.26	2.38
3202466	Drill Core	0.27	0.27	0.13	0.09	<0.01	0.04	<0.01	<0.01	1.36	5.57	98.94	0.02	1.70	1.23	0.32	<0.02	5.04	0.61	1.86
3202467	Drill Core	0.32	0.29	0.15	0.08	<0.01	0.03	<0.01	<0.01	0.36	6.05	99.41	0.02	1.87	0.95	0.39	<0.02	5.40	0.60	1.05
3202468	Drill Core	0.52	0.10	0.34	0.13	<0.01	0.06	0.01	0.01	14.96	6.43	99.85	0.02	0.95	8.31	0.45	<0.02	1.78	5.07	9.70
3202469	Drill Core	0.55	0.16	0.32	0.12	<0.01	0.07	<0.01	<0.01	2.83	5.15	96.92	0.02	1.36	1.99	0.52	<0.02	3.06	1.20	2.39
3202470	Drill Core	0.30	0.09	0.12	0.13	<0.01	0.03	<0.01	<0.01	1.17	2.61	99.65	0.01	0.63	1.29	0.22	<0.02	1.47	0.79	1.52
3202471	Drill Core	0.17	0.21	0.10	0.10	<0.01	0.01	<0.01	<0.01	5.05	5.89	98.64	0.01	1.47	3.65	0.39	<0.02	3.95	2.36	3.86
3202472	Drill Core	0.28	0.06	0.16	0.12	<0.01	0.04	<0.01	<0.01	0.80	2.62	99.63	<0.01	0.57	1.82	0.26	<0.02	1.10	1.25	1.68
3202473	Drill Core	0.21	0.18	0.11	0.14	<0.01	0.03	<0.01	<0.01	0.90	3.85	98.96	<0.01	1.16	0.93	0.24	<0.02	3.36	0.52	1.25
3202474	Drill Core	0.21	0.14	0.12	0.16	<0.01	0.03	<0.01	<0.01	0.41	3.81	99.25	<0.01	1.02	1.48	0.34	<0.02	2.47	1.07	1.23
3202475	Drill Core	0.32	0.09	0.17	0.24	<0.01	0.05	<0.01	<0.01	0.98	3.05	99.96	0.01	0.88	1.31	0.47	<0.02	1.53	0.80	1.51
3202476	Drill Core	0.17	0.18	0.08	0.13	<0.01	0.03	<0.01	<0.01	0.85	4.25	99.42	<0.01	1.24	1.25	0.32	<0.02	3.37	0.95	0.90
3202477	Drill Core	0.21	0.05	0.10	0.21	<0.01	0.02	<0.01	0.04	10.58	4.76	98.86	<0.01	0.42	7.66	0.20	<0.02	0.82	3.89	11.29
3202478	Drill Core	0.26	0.07	0.13	0.32	<0.01	0.04	<0.01	0.03	2.22	3.30	99.33	0.01	0.69	2.74	0.35	<0.02	1.25	1.86	2.64
3202479	Drill Core	0.20	0.18	0.09	0.14	<0.01	0.03	<0.01	<0.01	0.30	4.04	98.37	0.01	1.32	0.65	0.36	<0.02	3.53	0.34	0.94
3202480	Rock	<0.01	0.03	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	38.10	99.97	<0.01	10.98	<0.02	0.72	0.03	37.51	<0.02	<0.15	



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

3 of 4

Part:

1 of 3

CERTIFICATE OF ANALYSIS

WHI20000543.2

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
3202481	Drill Core	2.69	1.6	19.9	106.5	2507	2.7	39.7	6.7	1645	7.41	88	<0.5	<0.5	32	13.7	37.5	<0.5	48	0.16	0.056
3202482	Drill Core	1.80	1.5	22.8	111.5	3746	3.0	42.9	5.5	1337	6.82	117	<0.5	<0.5	35	20.5	39.1	<0.5	42	0.18	0.067
3202483	Drill Core	4.95	1.1	51.1	94.1	25716	5.4	34.2	4.0	1727	7.98	82	<0.5	<0.5	27	61.7	36.7	<0.5	49	0.14	0.053
3202484	Drill Core	3.23	1.6	161.7	652.6	111137	30.8	30.0	7.9	790	4.94	147	<0.5	0.6	16	370.1	135.1	<0.5	19	0.15	0.031
3202485	Drill Core	5.11	1.1	158.9	294.5	108279	23.8	41.5	9.4	819	4.79	132	<0.5	<0.5	40	416.2	100.2	<0.5	24	0.17	0.084
3202486	Drill Core	4.57	0.8	38.8	87.1	16107	3.3	32.4	5.1	935	3.85	76	<0.5	<0.5	38	64.9	34.1	<0.5	27	0.18	0.081
3202487	Drill Core	3.39	1.0	34.9	48.5	9843	2.1	34.0	4.9	305	1.87	55	<0.5	<0.5	25	42.1	31.7	<0.5	10	0.11	0.051
3202488	Drill Core	4.26	0.9	11.3	33.9	2085	1.0	28.0	4.0	73	0.94	30	<0.5	<0.5	26	11.6	23.3	<0.5	<10	0.22	0.092
3202489	Drill Core	4.63	1.1	12.8	33.4	1355	0.8	35.1	4.2	392	2.28	68	<0.5	<0.5	22	5.6	25.4	<0.5	17	0.11	0.055
3202490	Drill Core	3.77	0.7	6.6	21.7	1376	0.6	21.2	3.3	1835	6.08	44	<0.5	<0.5	15	5.9	12.5	<0.5	35	0.06	0.017
3202491	Drill Core	4.87	1.7	14.8	41.3	2879	1.2	29.8	4.5	593	3.06	76	<0.5	<0.5	27	16.1	17.4	<0.5	28	0.13	0.062
3202492	Drill Core	4.48	1.6	32.9	52.8	13533	3.8	36.5	5.8	273	1.90	60	<0.5	<0.5	25	84.1	27.9	<0.5	13	0.16	0.077
3202493	Drill Core	5.08	1.3	23.6	35.3	11642	2.1	33.0	5.0	753	3.11	45	<0.5	0.5	23	52.6	21.5	<0.5	24	0.14	0.063
3202494	Drill Core	4.75	1.2	23.6	38.9	12655	2.8	34.0	4.8	87	1.16	57	<0.5	<0.5	20	47.9	20.9	<0.5	<10	0.13	0.056
3202495	Drill Core	4.94	0.8	9.1	24.4	2244	0.7	27.1	3.3	2718	8.09	39	<0.5	<0.5	25	9.3	13.7	<0.5	57	0.16	0.048
3202496	Drill Core	4.80	0.7	5.6	18.5	1023	<0.5	22.6	3.4	2935	8.59	20	<0.5	<0.5	34	4.7	9.5	<0.5	56	0.22	0.070
3202497	Drill Core	4.97	0.6	6.0	33.3	1141	0.6	25.1	3.5	1442	4.95	23	<0.5	<0.5	15	5.8	9.5	<0.5	33	0.09	0.034
3202498	Drill Core	3.72	1.6	92.5	320.1	53173	8.5	28.2	7.5	2292	7.65	55	<0.5	1.5	46	241.8	34.3	<0.5	55	0.18	0.064
3202499	Drill Core	2.11	1.6	20.4	44.4	4036	0.9	51.0	10.5	2752	9.09	75	<0.5	1.4	37	12.8	9.1	<0.5	59	0.16	0.038
3202500	Rock Pulp	0.05	2.7	216.1	17641.2	30019	33.5	24.2	20.8	1795	5.47	86	1.6	6.7	22	99.5	46.8	<0.5	12	5.25	0.056
3202501	Drill Core	1.97	2.1	24.0	66.3	461	0.7	49.4	12.8	1240	4.28	52	0.6	2.5	71	2.0	11.7	<0.5	42	0.17	0.052
3202502	Drill Core	2.40	2.3	27.9	66.2	157	0.9	56.5	12.7	1043	3.77	65	0.6	2.6	82	<0.5	15.3	<0.5	36	0.18	0.063
3202503	Drill Core	4.12	1.9	24.8	62.8	224	0.7	54.2	12.8	1851	5.73	58	0.6	2.5	74	0.6	12.1	<0.5	43	0.18	0.050
3202504	Drill Core	4.68	2.1	81.4	57.4	5289	1.1	48.8	13.7	1155	4.98	48	0.8	2.3	70	32.4	12.5	<0.5	45	0.19	0.066
3202505	Drill Core	3.94	3.2	30.0	90.7	868	0.6	55.5	13.3	693	3.23	50	0.6	2.5	62	3.4	16.8	<0.5	34	0.14	0.047
3202506	Drill Core	4.94	4.5	76.9	596.5	444	1.8	67.3	14.0	793	4.56	72	0.6	2.1	54	1.3	27.7	<0.5	38	0.13	0.039
3202507	Drill Core	4.29	2.7	94.3	428.0	5188	1.8	49.0	11.1	1747	6.71	35	0.5	2.1	61	27.0	16.9	<0.5	63	0.16	0.043
3202508	Drill Core	4.43	3.5	82.0	899.4	727	2.1	56.6	14.6	647	3.03	47	0.6	2.4	65	3.6	19.9	<0.5	29	0.14	0.047
3202509	Drill Core	5.65	8.7	122.8	1144.1	3184	2.4	90.3	16.6	1539	5.40	93	1.4	2.3	162	16.1	24.3	<0.5	53	0.40	0.151
3202510	Drill Core	6.20	2.4	71.7	149.8	103	0.7	41.8	11.7	2481	7.54	38	0.7	2.3	73	<0.5	12.9	<0.5	53	0.20	0.050



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

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

3 of 4

Part:

2 of 3

CERTIFICATE OF ANALYSIS

WHI20000543.2

	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
3202481	Drill Core	0.6	26.7	0.17	54	0.001	0.24	<0.01	0.03	<0.5	3.37	3.6	0.7	1.98	<5	<2	79.29	1.79	10.84	0.23	0.29
3202482	Drill Core	0.7	24.1	0.13	61	0.002	0.24	<0.01	0.03	<0.5	4.68	3.3	1.4	2.52	<5	<2	81.20	2.11	10.13	0.26	0.23
3202483	Drill Core	<0.5	24.5	0.15	41	<0.001	0.29	<0.01	0.02	<0.5	30.94	3.4	<0.5	3.40	<5	<2	76.06	1.47	11.73	0.20	0.27
3202484	Drill Core	1.3	13.9	0.16	39	0.016	0.29	0.02	0.02	<0.5	139.11	1.2	1.4	6.82	7	3	67.70	3.32	7.10	0.48	0.29
3202485	Drill Core	<0.5	14.7	0.08	67	0.001	0.19	<0.01	0.02	<0.5	137.64	1.6	1.6	6.83	5	5	72.32	1.54	6.88	0.26	0.13
3202486	Drill Core	<0.5	16.6	0.07	87	0.001	0.15	<0.01	0.03	<0.5	17.71	1.7	<0.5	1.53	<5	<2	85.28	2.06	5.71	0.26	0.13
3202487	Drill Core	<0.5	9.3	0.03	48	<0.001	0.09	<0.01	0.02	<0.5	10.61	0.9	<0.5	1.09	<5	<2	91.38	1.70	2.79	0.17	0.07
3202488	Drill Core	<0.5	8.9	<0.01	53	0.002	0.10	<0.01	0.02	<0.5	2.79	<0.5	<0.5	0.48	<5	<2	94.66	1.73	1.40	0.33	0.04
3202489	Drill Core	<0.5	11.5	0.05	63	<0.001	0.15	<0.01	0.03	<0.5	1.66	1.3	<0.5	0.81	<5	<2	90.89	2.29	3.42	0.17	0.11
3202490	Drill Core	<0.5	16.9	0.17	66	<0.001	0.13	<0.01	0.03	<0.5	1.43	3.1	<0.5	0.32	<5	<2	82.98	1.79	9.06	0.10	0.33
3202491	Drill Core	1.1	13.4	0.06	88	0.001	0.24	<0.01	0.04	<0.5	2.41	2.2	<0.5	1.15	<5	<2	86.58	3.12	4.64	0.21	0.13
3202492	Drill Core	0.6	12.5	0.03	84	0.001	0.19	<0.01	0.04	<0.5	10.84	0.8	<0.5	1.34	<5	2	88.71	2.56	2.83	0.23	0.08
3202493	Drill Core	0.9	15.3	0.09	91	0.001	0.30	<0.01	0.04	<0.5	9.27	2.0	<0.5	1.07	<5	<2	85.83	3.24	4.67	0.21	0.18
3202494	Drill Core	<0.5	8.6	0.02	80	0.001	0.16	<0.01	0.04	<0.5	9.19	<0.5	<0.5	1.11	<5	<2	89.50	2.40	1.70	0.19	0.06
3202495	Drill Core	0.5	19.2	0.24	143	0.001	0.31	<0.01	0.03	<0.5	1.65	5.9	<0.5	0.40	<5	<2	77.43	2.09	12.10	0.24	0.43
3202496	Drill Core	<0.5	18.0	0.24	163	0.001	0.32	<0.01	0.03	<0.5	0.85	5.3	<0.5	0.22	<5	<2	76.14	2.13	12.79	0.31	0.43
3202497	Drill Core	<0.5	16.8	0.17	93	<0.001	0.27	<0.01	0.03	<0.5	0.93	2.8	<0.5	0.22	<5	<2	84.83	2.27	7.35	0.14	0.30
3202498	Drill Core	1.6	21.1	0.26	239	0.002	0.64	<0.01	0.09	<0.5	31.88	5.4	0.6	3.09	<5	<2	65.07	6.33	11.28	0.27	0.42
3202499	Drill Core	1.6	18.8	0.28	816	0.001	0.56	<0.01	0.07	<0.5	2.05	4.9	<0.5	1.08	<5	<2	67.62	6.62	13.63	0.23	0.52
3202500	Rock Pulp	24.9	13.6	2.84	133	0.020	1.01	0.01	0.76	0.7	1.13	3.0	26.5	4.95	<5	<2	43.88	8.80	8.27	7.49	5.40
3202501	Drill Core	3.7	15.6	0.16	1496	0.001	0.61	0.01	0.16	<0.5	0.39	3.8	0.8	0.69	<5	<2	69.06	12.78	6.63	0.26	0.40
3202502	Drill Core	3.9	16.5	0.15	768	0.001	0.51	0.01	0.19	<0.5	0.15	3.7	0.5	0.68	<5	<2	70.65	12.81	5.68	0.25	0.35
3202503	Drill Core	3.7	18.2	0.25	366	0.001	0.60	0.01	0.20	<0.5	0.17	5.7	0.6	0.57	<5	<2	68.40	12.22	8.63	0.25	0.51
3202504	Drill Core	3.2	16.4	0.26	371	0.002	1.04	0.01	0.17	<0.5	2.63	4.1	<0.5	0.86	<5	2	69.18	12.24	7.48	0.26	0.52
3202505	Drill Core	3.5	10.9	0.11	293	0.002	0.67	0.01	0.18	<0.5	0.52	3.5	0.6	0.96	<5	<2	68.85	14.05	4.88	0.21	0.33
3202506	Drill Core	3.1	10.8	0.17	348	0.002	0.72	<0.01	0.15	<0.5	0.31	3.6	0.7	1.99	<5	<2	69.01	13.13	6.94	0.19	0.43
3202507	Drill Core	2.8	17.4	0.41	380	0.002	1.06	<0.01	0.18	<0.5	2.31	9.5	0.6	1.03	<5	3	64.65	12.26	9.91	0.22	0.82
3202508	Drill Core	3.1	9.7	0.15	462	0.002	0.66	0.01	0.20	<0.5	0.43	3.2	0.7	0.87	<5	3	70.78	13.45	4.68	0.20	0.39
3202509	Drill Core	3.3	13.8	0.29	485	0.002	0.65	0.01	0.19	<0.5	1.42	5.4	0.7	0.95	<5	6	63.80	13.29	8.19	0.56	0.61
3202510	Drill Core	3.6	16.1	0.44	508	0.003	0.59	0.01	0.19	<0.5	0.13	7.4	0.6	0.47	<5	<2	63.54	11.67	11.54	0.28	0.80



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

Project: MacMillan Pass

Report Date: January 30, 2021

Page: 3 of 4

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI20000543.2

Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04
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	Density
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g/cm3
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	0.01
3202481	Drill Core	0.20	0.21	0.15	0.13	<0.01	0.02	<0.01	<0.01	0.25	5.41	98.88	<0.01	1.52	2.01	0.38	<0.02	4.16	1.36	1.93
3202482	Drill Core	0.24	0.17	0.15	0.16	<0.01	0.02	<0.01	0.01	0.38	5.09	100.25	0.01	1.29	2.59	0.39	<0.02	3.30	1.90	2.05
3202483	Drill Core	0.16	0.22	0.09	0.12	<0.01	0.02	<0.01	<0.01	2.54	6.08	99.59	0.01	1.49	3.51	0.36	<0.02	4.14	2.03	4.43
3202484	Drill Core	0.46	0.11	0.11	0.07	0.01	0.03	0.01	0.07	10.80	5.45	99.50	0.01	0.67	7.16	0.17	<0.02	1.82	4.57	7.76
3202485	Drill Core	0.21	0.10	0.08	0.17	<0.01	0.04	<0.01	0.02	10.46	5.35	100.19	<0.01	0.74	6.98	0.23	<0.02	1.85	4.57	7.21
3202486	Drill Core	0.27	0.12	0.09	0.18	<0.01	0.06	<0.01	<0.01	1.61	2.95	99.14	0.01	0.82	1.51	0.25	<0.02	2.07	0.96	1.66
3202487	Drill Core	0.23	0.05	0.09	0.13	<0.01	0.04	<0.01	<0.01	0.97	1.53	99.39	<0.01	0.41	1.13	0.21	<0.02	0.72	0.66	1.38
3202488	Drill Core	0.23	0.02	0.09	0.24	<0.01	0.04	<0.01	<0.01	0.20	0.60	99.64	<0.01	0.23	0.48	0.21	<0.02	0.10	0.22	0.78
3202489	Drill Core	0.28	0.06	0.09	0.12	<0.01	0.04	<0.01	<0.01	0.13	1.83	99.50	0.01	0.49	0.77	0.22	<0.02	0.97	0.52	0.75
3202490	Drill Core	0.24	0.24	0.08	0.04	<0.01	0.05	<0.01	<0.01	0.13	4.49	99.55	0.01	1.49	0.33	0.30	<0.02	4.40	0.14	0.57
3202491	Drill Core	0.41	0.08	0.20	0.14	<0.01	0.07	<0.01	<0.01	0.29	2.71	98.67	0.02	0.84	1.19	0.45	<0.02	1.38	0.70	1.48
3202492	Drill Core	0.33	0.04	0.13	0.17	<0.01	0.06	<0.01	<0.01	1.35	1.79	98.66	0.01	0.48	1.35	0.32	<0.02	0.57	0.73	1.84
3202493	Drill Core	0.41	0.10	0.17	0.15	<0.01	0.07	<0.01	<0.01	1.17	2.86	99.40	0.02	0.83	1.05	0.36	<0.02	1.72	0.59	1.38
3202494	Drill Core	0.32	0.02	0.11	0.14	<0.01	0.07	<0.01	<0.01	1.25	1.27	97.36	0.01	0.34	1.09	0.30	<0.02	0.17	0.60	1.46
3202495	Drill Core	0.28	0.35	0.09	0.12	<0.01	0.06	<0.01	<0.01	0.22	5.98	99.46	0.02	1.99	0.41	0.35	<0.02	6.03	0.18	0.70
3202496	Drill Core	0.29	0.38	0.09	0.17	<0.01	0.07	<0.01	<0.01	0.10	6.34	99.26	0.02	2.11	0.23	0.34	<0.02	6.49	0.08	0.44
3202497	Drill Core	0.36	0.18	0.08	0.08	<0.01	0.09	<0.01	<0.01	0.11	3.75	99.58	0.01	1.21	0.22	0.38	<0.02	3.03	0.09	0.40
3202498	Drill Core	1.02	0.30	0.41	0.16	<0.01	0.22	<0.01	0.03	5.31	7.33	99.56	0.03	1.95	3.22	0.68	<0.02	4.61	2.67	1.65
3202499	Drill Core	1.09	0.35	0.39	0.10	<0.01	0.29	<0.01	<0.01	0.41	8.32	99.81	0.03	2.58	1.09	1.14	<0.02	5.24	0.90	0.57
3202500	Rock Pulp	4.21	0.24	0.27	0.12	<0.01	0.08	0.02	1.84	3.13	15.50	100.31	<0.01	3.39	4.83	0.45	<0.02	10.75	1.57	9.77
3202501	Drill Core	2.45	0.16	0.77	0.16	0.01	0.59	<0.01	<0.01	0.04	5.58	99.14	0.04	1.40	0.68	0.71	0.02	2.46	0.39	0.85
3202502	Drill Core	2.44	0.14	0.77	0.16	0.01	0.49	<0.01	<0.01	0.01	5.24	99.26	0.04	1.23	0.67	0.72	0.03	1.78	0.40	0.80
3202503	Drill Core	2.34	0.24	0.72	0.14	0.01	0.44	<0.01	<0.01	0.02	6.53	100.68	0.04	1.70	0.57	0.71	0.03	3.51	0.34	0.69
3202504	Drill Core	2.17	0.15	0.70	0.16	<0.01	0.43	<0.01	<0.01	0.53	5.37	99.52	0.05	1.30	0.86	0.69	0.02	2.16	0.59	0.80
3202505	Drill Core	2.60	0.09	0.77	0.14	<0.01	0.51	<0.01	<0.01	0.08	5.37	98.14	0.05	1.22	0.97	0.86	0.03	1.21	0.68	0.87
3202506	Drill Core	2.48	0.10	0.66	0.10	<0.01	0.51	<0.01	0.05	0.04	6.06	99.97	0.05	1.35	2.10	0.96	0.02	1.34	1.64	1.37
3202507	Drill Core	2.25	0.23	0.63	0.12	<0.01	0.48	<0.01	0.04	0.52	6.86	99.33	0.05	1.82	1.05	0.79	<0.02	3.71	0.73	0.96
3202508	Drill Core	2.67	0.09	0.69	0.13	<0.01	0.59	<0.01	0.09	0.07	4.99	99.09	0.05	1.23	0.89	0.86	0.02	1.29	0.57	0.95
3202509	Drill Core	2.64	0.20	0.70	0.37	0.01	0.61	<0.01	0.11	0.33	8.12	99.91	0.07	3.01	0.98	2.14	0.03	3.10	0.65	0.97
3202510	Drill Core	2.29	0.33	0.62	0.12	<0.01	0.56	<0.01	0.02	<0.01	8.16	100.14	0.04	2.38	0.47	0.90	0.02	5.33	0.31	0.47



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

4 of 4

Part:

1 of 3

CERTIFICATE OF ANALYSIS

WHI20000543.2

	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
3202511	Drill Core	5.29	2.7	62.7	173.6	117	0.7	48.3	13.9	1258	4.27	42	0.8	2.5	74	<0.5	26.5	<0.5	38	0.16	0.050
3202512	Drill Core	5.87	3.1	83.7	219.9	593	1.0	60.4	14.5	1489	7.52	69	0.8	2.0	68	2.7	52.5	<0.5	43	0.16	0.042
3202513	Drill Core	3.21	2.4	49.4	170.9	335	1.6	68.6	12.3	1764	10.57	67	1.0	2.0	62	1.2	35.4	<0.5	43	0.15	0.043
3202514	Drill Core	4.63	76.3	98.6	1259.8	626	4.8	294.2	23.1	378	3.05	371	16.2	1.7	88	3.1	53.7	<0.5	131	0.35	0.141
3202515	Drill Core	4.52	58.4	46.5	222.9	6017	1.5	190.1	12.2	2379	8.15	295	8.0	<0.5	10	24.5	34.8	<0.5	137	0.11	0.018
3202516	Drill Core	3.64	44.0	103.3	259.4	12015	1.6	180.5	13.5	1320	4.47	300	3.5	<0.5	7	42.8	37.8	<0.5	142	0.06	0.013
3202517	Drill Core	4.98	35.6	100.7	337.7	24140	2.3	127.1	10.5	4814	16.04	380	5.2	0.7	17	105.1	37.4	<0.5	171	0.20	0.029
3202518	Drill Core	6.20	37.6	138.4	1492.6	18816	5.4	189.6	20.1	69	12.07	571	10.5	0.8	231	84.0	81.6	<0.5	184	0.08	0.083
3202519	Drill Core	4.98	13.8	47.5	591.1	13633	4.4	88.3	7.0	77	8.91	281	2.8	0.6	93	54.9	72.9	<0.5	28	0.12	0.062
3202520	Rock	0.42	<0.5	2.0	10.8	231	<0.5	1.4	<0.5	134	0.21	8	<0.5	<0.5	77	0.9	1.1	<0.5	<10	31.24	0.009
3202521	Drill Core	1.76	28.6	45.5	449.0	11218	2.9	84.8	6.2	59	3.01	192	2.4	0.7	82	44.2	51.4	<0.5	26	0.16	0.080
3202522	Drill Core	1.34	18.5	58.9	582.0	15147	3.4	97.4	7.6	74	3.75	224	2.4	1.0	85	64.6	62.8	<0.5	26	0.16	0.077
3202523	Drill Core	3.43	17.1	75.6	3101.1	18726	10.1	109.1	10.3	79	4.73	350	2.2	1.0	75	63.2	100.4	<0.5	20	0.16	0.064
3202524	Drill Core	4.01	30.2	112.9	8294.0	21278	22.9	145.4	13.2	86	6.99	395	3.4	0.9	79	68.3	150.8	<0.5	37	0.13	0.070
3202525	Drill Core	4.81	15.9	134.2	2615.9	57308	26.8	114.8	10.5	72	26.28	957	1.2	<0.5	8	394.6	266.8	<0.5	15	<0.01	0.005
3202526	Drill Core	4.63	21.6	102.9	4794.8	45365	31.2	102.8	7.2	71	25.62	776	1.5	0.7	12	259.7	233.9	<0.5	20	0.02	0.007



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

Project: MacMillan Pass

Report Date: January 30, 2021

Page: 4 of 4

Part: 2 of 3

CERTIFICATE OF ANALYSIS

WHI20000543.2

	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
3202511	Drill Core	3.7	12.0	0.21	752	0.002	0.49	0.01	0.19	<0.5	0.14	3.9	0.6	0.70	<5	<2	67.73	13.33	6.48	0.22	0.48
3202512	Drill Core	3.2	10.2	0.21	525	0.001	0.43	0.01	0.16	<0.5	0.54	4.4	0.7	3.95	<5	<2	61.65	12.66	11.28	0.22	0.46
3202513	Drill Core	2.9	10.0	0.24	459	0.002	0.40	<0.01	0.17	<0.5	0.35	3.9	0.6	6.95	<5	<2	54.54	12.72	15.94	0.22	0.53
3202514	Drill Core	2.6	24.1	0.05	582	0.002	0.38	<0.01	0.11	<0.5	0.68	1.5	1.6	2.52	<5	25	73.64	7.60	4.60	0.49	0.16
3202515	Drill Core	<0.5	13.9	0.22	256	0.001	0.19	<0.01	0.05	<0.5	3.72	2.1	1.1	2.42	<5	5	71.86	2.46	12.23	0.17	0.40
3202516	Drill Core	<0.5	16.0	0.15	307	0.001	0.16	<0.01	0.05	<0.5	7.72	1.1	1.0	1.27	<5	5	81.84	1.69	6.45	0.08	0.26
3202517	Drill Core	0.5	11.9	0.40	553	0.001	0.20	<0.01	0.05	<0.5	15.17	3.2	1.1	5.88	<5	5	52.37	3.81	23.37	0.27	0.72
3202518	Drill Core	0.6	37.6	<0.01	111	0.002	0.79	<0.01	0.05	0.6	10.62	2.0	3.2	14.90	<5	6	56.90	5.35	18.04	0.13	0.06
3202519	Drill Core	1.0	21.4	<0.01	253	0.001	0.19	<0.01	0.04	<0.5	8.06	0.8	5.0	10.67	<5	<2	73.50	1.74	13.35	0.19	0.04
3202520	Rock	1.4	<0.5	1.02	22	0.002	0.03	<0.01	<0.01	<0.5	0.20	0.7	<0.5	0.18	<5	<2	9.70	0.18	0.34	47.94	3.76
3202521	Drill Core	1.3	16.0	<0.01	718	0.001	0.15	<0.01	0.05	<0.5	7.02	1.4	2.6	3.51	<5	2	84.54	2.10	4.26	0.25	0.05
3202522	Drill Core	1.6	19.7	<0.01	738	0.002	0.17	<0.01	0.05	<0.5	9.36	0.6	3.1	4.32	<5	2	82.16	2.11	5.17	0.22	0.04
3202523	Drill Core	1.6	22.6	<0.01	180	0.002	0.13	<0.01	0.04	<0.5	12.79	<0.5	7.3	5.81	<5	4	80.82	1.91	6.84	0.20	0.04
3202524	Drill Core	1.8	32.3	<0.01	153	0.002	0.22	<0.01	0.06	<0.5	16.46	1.4	9.9	8.62	<5	5	71.72	2.88	10.11	0.17	0.06
3202525	Drill Core	<0.5	18.6	<0.01	125	<0.001	0.07	<0.01	0.01	<0.5	73.56	<0.5	33.7	>30	<5	4	31.32	0.63	37.61	<0.01	<0.01
3202526	Drill Core	1.4	24.5	<0.01	122	0.003	0.11	<0.01	0.03	<0.5	57.20	0.7	31.7	29.90	<5	4	34.13	1.15	36.44	0.03	0.02



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

Project: MacMillan Pass

Report Date: January 30, 2021

Page: 4 of 4

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI20000543.2

	Method Analyte Unit MDL	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
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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
3202511	Drill Core	2.71	0.17	0.72	0.13	<0.01	0.71	<0.01	0.02	<0.01	5.99	98.93	0.04	1.53	0.70	0.75	0.04	2.70	0.46	0.72
3202512	Drill Core	2.55	0.20	0.68	0.12	<0.01	0.69	<0.01	0.02	0.06	8.29	99.14	0.04	1.65	4.09	0.86	<0.02	2.82	3.31	2.35
3202513	Drill Core	2.55	0.22	0.69	0.12	<0.01	0.71	<0.01	0.01	0.03	10.58	99.11	0.05	1.71	7.17	0.71	0.02	3.59	5.95	3.67
3202514	Drill Core	1.44	0.05	0.77	0.37	0.02	0.49	<0.01	0.13	0.06	9.29	99.23	0.25	6.17	2.63	5.94	0.17	0.21	1.94	2.05
3202515	Drill Core	0.45	0.31	0.13	0.05	<0.01	0.21	<0.01	0.02	0.61	9.38	98.46	0.13	4.62	2.55	3.35	0.02	4.57	1.99	1.69
3202516	Drill Core	0.31	0.16	0.07	0.03	<0.01	0.18	<0.01	0.02	1.19	5.68	98.27	0.12	3.14	1.31	2.47	0.02	2.38	0.82	1.46
3202517	Drill Core	0.55	0.60	0.19	0.08	<0.01	0.39	<0.01	0.04	2.44	14.55	100.10	0.11	4.80	6.21	2.58	<0.02	8.14	4.56	4.93
3202518	Drill Core	0.49	0.01	0.32	0.24	<0.01	0.79	<0.01	0.16	1.92	14.42	99.50	0.10	2.67	15.65	2.66	<0.02	<0.08	12.91	8.21
3202519	Drill Core	0.31	0.02	0.24	0.17	<0.01	0.13	<0.01	0.07	1.38	8.54	100.06	0.02	1.75	11.21	1.71	0.03	<0.08	8.70	7.51
3202520	Rock	<0.01	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.02	37.11	99.13	<0.01	11.00	0.14	0.68	<0.02	37.84	0.04	0.30
3202521	Drill Core	0.40	0.01	0.27	0.21	<0.01	0.61	<0.01	0.06	1.12	4.56	98.82	0.03	2.20	3.67	2.17	0.03	<0.08	2.75	2.77
3202522	Drill Core	0.40	0.02	0.31	0.19	<0.01	0.34	<0.01	0.06	1.48	4.89	97.83	0.03	2.07	4.65	2.04	0.03	<0.08	3.30	4.04
3202523	Drill Core	0.39	0.01	0.35	0.17	<0.01	0.14	<0.01	0.28	1.88	5.59	99.17	0.03	1.75	6.11	1.71	0.04	<0.08	4.59	4.55
3202524	Drill Core	0.52	0.01	0.33	0.16	<0.01	0.99	<0.01	0.76	2.10	8.05	98.60	0.05	2.17	9.49	2.13	0.03	<0.08	6.39	9.29
3202525	Drill Core	0.10	<0.01	0.10	<0.01	<0.01	0.05	<0.01	0.25	5.87	21.37	98.86	0.01	0.98	33.49	0.96	<0.02	<0.08	25.45	24.09
3202526	Drill Core	0.19	0.01	0.17	0.03	<0.01	0.12	<0.01	0.47	4.59	20.57	99.17	0.02	1.12	32.66	1.11	<0.02	<0.08	24.79	23.58



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

1 of 5

Part:

1 of 3

QUALITY CONTROL REPORT

WHI20000543.2

	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
3202454	Drill Core	4.94	0.8	46.7	25.5	40237	5.7	26.0	4.1	2702	9.22	22	0.5	<0.5	32	213.2	24.7	<0.5	40	0.11	0.033
3202489	Drill Core	4.63	1.1	12.8	33.4	1355	0.8	35.1	4.2	392	2.28	68	<0.5	<0.5	22	5.6	25.4	<0.5	17	0.11	0.055
3202521	Drill Core	1.76	28.6	45.5	449.0	11218	2.9	84.8	6.2	59	3.01	192	2.4	0.7	82	44.2	51.4	<0.5	26	0.16	0.080
Pulp Duplicates																					
3202451	Drill Core	3.52	1.1	292.3	331.9	179623	40.2	36.2	11.2	2900	9.97	100	0.5	0.6	31	1064.8	167.8	<0.5	23	0.13	0.039
REP 3202451	QC																				
3202458	Drill Core	6.13	2.1	21.4	41.1	17938	2.4	42.9	7.4	4791	15.29	32	1.2	0.7	62	77.6	16.3	<0.5	100	0.21	0.056
REP 3202458	QC																				
3202461	Drill Core	2.47	1.6	24.1	51.8	21256	2.8	32.0	7.3	5255	16.03	45	<0.5	0.8	61	81.4	18.1	<0.5	91	0.24	0.064
REP 3202461	QC																				
3202465	Drill Core	4.23	0.8	54.6	128.1	21416	8.8	36.5	6.3	894	4.02	79	<0.5	<0.5	20	114.5	55.2	<0.5	17	0.08	0.030
REP 3202465	QC		0.6	58.1	127.1	21852	8.9	37.2	5.9	892	4.09	83	<0.5	<0.5	21	116.3	55.4	<0.5	18	0.08	0.029
3202470	Drill Core	5.00	1.0	25.3	46.6	11629	2.4	43.0	6.1	688	3.05	78	<0.5	<0.5	24	51.1	28.5	<0.5	27	0.13	0.059
REP 3202470	QC																				
3202476	Drill Core	4.10	0.6	13.3	31.4	8459	1.5	26.1	3.9	1385	5.38	61	0.6	<0.5	34	53.5	20.7	<0.5	28	0.14	0.055
REP 3202476	QC																				
3202483	Drill Core	4.95	1.1	51.1	94.1	25716	5.4	34.2	4.0	1727	7.98	82	<0.5	<0.5	27	61.7	36.7	<0.5	49	0.14	0.053
REP 3202483	QC																				
3202486	Drill Core	4.57	0.8	38.8	87.1	16107	3.3	32.4	5.1	935	3.85	76	<0.5	<0.5	38	64.9	34.1	<0.5	27	0.18	0.081
REP 3202486	QC																				
3202493	Drill Core	5.08	1.3	23.6	35.3	11642	2.1	33.0	5.0	753	3.11	45	<0.5	0.5	23	52.6	21.5	<0.5	24	0.14	0.063
REP 3202493	QC																				
3202499	Drill Core	2.11	1.6	20.4	44.4	4036	0.9	51.0	10.5	2752	9.09	75	<0.5	1.4	37	12.8	9.1	<0.5	59	0.16	0.038
REP 3202499	QC																				
3202500	Rock Pulp	0.05	2.7	216.1	17641.2	30019	33.5	24.2	20.8	1795	5.47	86	1.6	6.7	22	99.5	46.8	<0.5	12	5.25	0.056
REP 3202500	QC		2.4	228.7	17921.0	30218	34.4	26.5	21.8	1772	5.50	89	1.6	7.6	22	100.0	48.0	<0.5	11	5.26	0.062
3202505	Drill Core	3.94	3.2	30.0	90.7	868	0.6	55.5	13.3	693	3.23	50	0.6	2.5	62	3.4	16.8	<0.5	34	0.14	0.047
REP 3202505	QC																				
3202508	Drill Core	4.43	3.5	82.0	899.4	727	2.1	56.6	14.6	647	3.03	47	0.6	2.4	65	3.6	19.9	<0.5	29	0.14	0.047



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

QUALITY CONTROL REPORT

WHI20000543.2

	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
3202454	Drill Core	0.7	24.1	0.26	53	<0.001	0.25	<0.01	0.04	<0.5	42.56	4.1	<0.5	2.49	<5	<2	69.58	2.40	13.16	0.18	0.42
3202489	Drill Core	<0.5	11.5	0.05	63	<0.001	0.15	<0.01	0.03	<0.5	1.66	1.3	<0.5	0.81	<5	<2	90.89	2.29	3.42	0.17	0.11
3202521	Drill Core	1.3	16.0	<0.01	718	0.001	0.15	<0.01	0.05	<0.5	7.02	1.4	2.6	3.51	<5	2	84.54	2.10	4.26	0.25	0.05
Pulp Duplicates																					
3202451	Drill Core	0.5	16.8	0.54	36	0.001	0.28	<0.01	0.03	<0.5	174.15	5.8	<0.5	10.29	10	6	47.76	1.65	14.12	0.21	0.94
REP 3202451	QC																				
3202458	Drill Core	1.1	23.6	0.41	104	0.001	0.49	<0.01	0.07	<0.5	17.85	8.9	<0.5	1.24	<5	2	54.58	4.78	22.37	0.32	0.66
REP 3202458	QC																				
3202461	Drill Core	1.1	24.8	0.39	77	0.001	0.30	<0.01	0.07	<0.5	19.60	7.2	<0.5	1.33	<5	<2	53.14	4.71	23.71	0.36	0.62
REP 3202461	QC																53.33	4.71	23.71	0.37	0.63
3202465	Drill Core	<0.5	24.1	0.13	37	<0.001	0.15	<0.01	0.03	<0.5	16.49	1.4	<0.5	1.84	<5	2	85.45	1.43	5.79	0.13	0.22
REP 3202465	QC	<0.5	23.7	0.13	42	<0.001	0.16	<0.01	0.03	<0.5	16.63	1.5	<0.5	1.85	<5	2					
3202470	Drill Core	0.5	21.0	0.08	56	<0.001	0.23	<0.01	0.03	<0.5	14.20	2.2	<0.5	1.28	<5	<2	87.40	2.65	4.51	0.20	0.15
REP 3202470	QC																				
3202476	Drill Core	<0.5	20.0	0.16	43	<0.001	0.12	<0.01	0.02	<0.5	10.14	2.5	<0.5	1.32	<5	<2	83.56	1.57	7.89	0.21	0.28
REP 3202476	QC																83.61	1.56	7.85	0.21	0.28
3202483	Drill Core	<0.5	24.5	0.15	41	<0.001	0.29	<0.01	0.02	<0.5	30.94	3.4	<0.5	3.40	<5	<2	76.06	1.47	11.73	0.20	0.27
REP 3202483	QC																				
3202486	Drill Core	<0.5	16.6	0.07	87	0.001	0.15	<0.01	0.03	<0.5	17.71	1.7	<0.5	1.53	<5	<2	85.28	2.06	5.71	0.26	0.13
REP 3202486	QC																				
3202493	Drill Core	0.9	15.3	0.09	91	0.001	0.30	<0.01	0.04	<0.5	9.27	2.0	<0.5	1.07	<5	<2	85.83	3.24	4.67	0.21	0.18
REP 3202493	QC																85.73	3.23	4.67	0.21	0.16
3202499	Drill Core	1.6	18.8	0.28	816	0.001	0.56	<0.01	0.07	<0.5	2.05	4.9	<0.5	1.08	<5	<2	67.62	6.62	13.63	0.23	0.52
REP 3202499	QC																				
3202500	Rock Pulp	24.9	13.6	2.84	133	0.020	1.01	0.01	0.76	0.7	1.13	3.0	26.5	4.95	<5	<2	43.88	8.80	8.27	7.49	5.40
REP 3202500	QC	25.7	14.4	2.86	129	0.019	0.99	0.01	0.74	0.6	1.15	2.9	27.6	4.95	<5	<2					
3202505	Drill Core	3.5	10.9	0.11	293	0.002	0.67	0.01	0.18	<0.5	0.52	3.5	0.6	0.96	<5	<2	68.85	14.05	4.88	0.21	0.33
REP 3202505	QC																				
3202508	Drill Core	3.1	9.7	0.15	462	0.002	0.66	0.01	0.20	<0.5	0.43	3.2	0.7	0.87	<5	3	70.78	13.45	4.68	0.20	0.39



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

QUALITY CONTROL REPORT

WHI20000543.2

	Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04
	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
3202454	Drill Core	0.30	0.34	0.16	0.07	<0.01	0.04	<0.01	<0.01	4.22	7.65	99.58	0.02	2.17	2.69	0.54	<0.02	5.96	1.15	4.61
3202489	Drill Core	0.28	0.06	0.09	0.12	<0.01	0.04	<0.01	<0.01	0.13	1.83	99.50	0.01	0.49	0.77	0.22	<0.02	0.97	0.52	0.75
3202521	Drill Core	0.40	0.01	0.27	0.21	<0.01	0.61	<0.01	0.06	1.12	4.56	98.82	0.03	2.20	3.67	2.17	0.03	<0.08	2.75	2.77
Pulp Duplicates																				
3202451	Drill Core	0.21	0.37	0.17	0.13	<0.01	0.03	0.03	0.04	18.73	11.59	100.69	0.01	2.11	10.81	0.53	<0.02	5.75	5.36	16.32
REP 3202451	QC																	5.78		
3202458	Drill Core	0.48	0.60	0.30	0.13	<0.01	0.06	<0.01	<0.01	1.77	12.46	99.02	0.03	3.97	1.39	0.98	<0.02	10.89	0.87	1.56
REP 3202458	QC																<0.02			
3202461	Drill Core	0.51	0.68	0.31	0.16	<0.01	0.05	<0.01	<0.01	2.11	12.98	99.90	0.03	4.10	1.46	0.99	<0.02	11.36	0.68	2.35
REP 3202461	QC	0.50	0.67	0.32	0.15	<0.01	0.06	<0.01	<0.01	2.11	12.98	100.10	0.03							
3202465	Drill Core	0.21	0.12	0.10	0.06	<0.01	0.03	<0.01	0.01	2.08	3.39	99.56	<0.01	0.88	2.06	0.27	<0.02	2.23	1.26	2.38
REP 3202465	QC																			
3202470	Drill Core	0.30	0.09	0.12	0.13	<0.01	0.03	<0.01	<0.01	1.17	2.61	99.65	0.01	0.63	1.29	0.22	<0.02	1.47	0.79	1.52
REP 3202470	QC																	0.88		
3202476	Drill Core	0.17	0.18	0.08	0.13	<0.01	0.03	<0.01	<0.01	0.85	4.25	99.42	<0.01	1.24	1.25	0.32	<0.02	3.37	0.95	0.90
REP 3202476	QC	0.18	0.17	0.09	0.12	<0.01	0.03	<0.01	<0.01	0.84	4.25	99.42	<0.01	1.26	1.31					
3202483	Drill Core	0.16	0.22	0.09	0.12	<0.01	0.02	<0.01	<0.01	2.54	6.08	99.59	0.01	1.49	3.51	0.36	<0.02	4.14	2.03	4.43
REP 3202483	QC																<0.02			
3202486	Drill Core	0.27	0.12	0.09	0.18	<0.01	0.06	<0.01	<0.01	1.61	2.95	99.14	0.01	0.82	1.51	0.25	<0.02	2.07	0.96	1.66
REP 3202486	QC																	2.04		
3202493	Drill Core	0.41	0.10	0.17	0.15	<0.01	0.07	<0.01	<0.01	1.17	2.86	99.40	0.02	0.83	1.05	0.36	<0.02	1.72	0.59	1.38
REP 3202493	QC	0.40	0.10	0.16	0.14	<0.01	0.06	<0.01	<0.01	1.17	2.86	99.19	0.02							
3202499	Drill Core	1.09	0.35	0.39	0.10	<0.01	0.29	<0.01	<0.01	0.41	8.32	99.81	0.03	2.58	1.09	1.14	<0.02	5.24	0.90	0.57
REP 3202499	QC																	1.02		
3202500	Rock Pulp	4.21	0.24	0.27	0.12	<0.01	0.08	0.02	1.84	3.13	15.50	100.31	<0.01	3.39	4.83	0.45	<0.02	10.75	1.57	9.77
REP 3202500	QC																			
3202505	Drill Core	2.60	0.09	0.77	0.14	<0.01	0.51	<0.01	<0.01	0.08	5.37	98.14	0.05	1.22	0.97	0.86	0.03	1.21	0.68	0.87
REP 3202505	QC																	0.69		
3202508	Drill Core	2.67	0.09	0.69	0.13	<0.01	0.59	<0.01	0.09	0.07	4.99	99.09	0.05	1.23	0.89	0.86	0.02	1.29	0.57	0.95



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

2 of 5

Part:

1 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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 3202508	QC																				
3202509	Drill Core	5.65	8.7	122.8	1144.1	3184	2.4	90.3	16.6	1539	5.40	93	1.4	2.3	162	16.1	24.3	<0.5	53	0.40	0.151
REP 3202509	QC																				
3202513	Drill Core	3.21	2.4	49.4	170.9	335	1.6	68.6	12.3	1764	10.57	67	1.0	2.0	62	1.2	35.4	<0.5	43	0.15	0.043
REP 3202513	QC																				
3202517	Drill Core	4.98	35.6	100.7	337.7	24140	2.3	127.1	10.5	4814	16.04	380	5.2	0.7	17	105.1	37.4	<0.5	171	0.20	0.029
REP 3202517	QC																				
3202520	Rock	0.42	<0.5	2.0	10.8	231	<0.5	1.4	<0.5	134	0.21	8	<0.5	<0.5	77	0.9	1.1	<0.5	<10	31.24	0.009
REP 3202520	QC																				
3202524	Drill Core	4.01	30.2	112.9	8294.0	21278	22.9	145.4	13.2	86	6.99	395	3.4	0.9	79	68.3	150.8	<0.5	37	0.13	0.070
REP 3202524	QC																				
3202526	Drill Core	4.63	21.6	102.9	4794.8	45365	31.2	102.8	7.2	71	25.62	776	1.5	0.7	12	259.7	233.9	<0.5	20	0.02	0.007
REP 3202526	QC		23.0	108.5	4745.6	45213	30.1	105.5	6.8	78	25.32	763	1.5	0.6	12	246.6	235.1	<0.5	20	0.02	0.006
Core Reject Duplicates																					
3202467	Drill Core	4.44	1.3	12.7	64.6	3619	2.0	44.7	6.0	2259	8.02	91	<0.5	<0.5	26	20.0	25.1	<0.5	50	0.12	0.043
DUP 3202467	QC		1.3	12.0	66.6	3552	2.0	48.8	5.8	2316	8.19	91	<0.5	<0.5	32	20.0	25.6	<0.5	51	0.12	0.042
3202501	Drill Core	1.97	2.1	24.0	66.3	461	0.7	49.4	12.8	1240	4.28	52	0.6	2.5	71	2.0	11.7	<0.5	42	0.17	0.052
DUP 3202501	QC		2.2	26.1	56.0	471	0.7	50.3	12.7	1232	4.43	55	0.6	2.5	78	2.3	12.6	<0.5	41	0.18	0.062
Reference Materials																					
STD AMIS0330	Standard																				
STD AMIS0349	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

2 of 5

Part:

2 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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 3202508	QC																				
3202509	Drill Core	3.3	13.8	0.29	485	0.002	0.65	0.01	0.19	<0.5	1.42	5.4	0.7	0.95	<5	6	63.80	13.29	8.19	0.56	0.61
REP 3202509	QC																63.52	13.33	8.16	0.56	0.62
3202513	Drill Core	2.9	10.0	0.24	459	0.002	0.40	<0.01	0.17	<0.5	0.35	3.9	0.6	6.95	<5	<2	54.54	12.72	15.94	0.22	0.53
REP 3202513	QC																				
3202517	Drill Core	0.5	11.9	0.40	553	0.001	0.20	<0.01	0.05	<0.5	15.17	3.2	1.1	5.88	<5	5	52.37	3.81	23.37	0.27	0.72
REP 3202517	QC																				
3202520	Rock	1.4	<0.5	1.02	22	0.002	0.03	<0.01	<0.01	<0.5	0.20	0.7	<0.5	0.18	<5	<2	9.70	0.18	0.34	47.94	3.76
REP 3202520	QC																9.73	0.18	0.34	47.93	3.72
3202524	Drill Core	1.8	32.3	<0.01	153	0.002	0.22	<0.01	0.06	<0.5	16.46	1.4	9.9	8.62	<5	5	71.72	2.88	10.11	0.17	0.06
REP 3202524	QC																71.89	2.87	10.17	0.17	0.06
3202526	Drill Core	1.4	24.5	<0.01	122	0.003	0.11	<0.01	0.03	<0.5	57.20	0.7	31.7	29.90	<5	4	34.13	1.15	36.44	0.03	0.02
REP 3202526	QC	1.2	24.5	<0.01	109	<0.001	0.10	<0.01	0.03	<0.5	59.16	0.9	32.2	29.62	<5	4					
Core Reject Duplicates																					
3202467	Drill Core	0.6	25.8	0.27	60	<0.001	0.23	<0.01	0.04	<0.5	3.88	5.1	0.6	1.03	<5	2	77.44	2.35	11.65	0.18	0.40
DUP 3202467	QC	0.6	29.6	0.27	66	<0.001	0.25	<0.01	0.04	<0.5	4.07	5.3	0.6	0.97	<5	<2	76.53	2.36	11.90	0.19	0.41
3202501	Drill Core	3.7	15.6	0.16	1496	0.001	0.61	0.01	0.16	<0.5	0.39	3.8	0.8	0.69	<5	<2	69.06	12.78	6.63	0.26	0.40
DUP 3202501	QC	3.8	15.5	0.17	1460	0.001	0.59	0.01	0.17	<0.5	0.31	4.1	0.5	0.67	<5	<2	68.99	12.82	6.57	0.25	0.38
Reference Materials																					
STD AMIS0330	Standard																				
STD AMIS0349	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				



BUREAU
VERITAS

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

2 of 5

Part:

3 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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 3202508	QC													1.24	0.87								
3202509	Drill Core	2.64	0.20	0.70	0.37	0.01	0.61	<0.01	0.11	0.33	8.12	99.91	0.07	3.01	0.98	2.14	0.03	3.10	0.65	0.97	2.81		
REP 3202509	QC	2.63	0.21	0.69	0.38	0.03	0.61	<0.01	0.11	0.33	8.12	99.65	0.07									2.80	
3202513	Drill Core	2.55	0.22	0.69	0.12	<0.01	0.71	<0.01	0.01	0.03	10.58	99.11	0.05	1.71	7.17	0.71	0.02	3.59	5.95	3.67			
REP 3202513	QC																	<0.02					
3202517	Drill Core	0.55	0.60	0.19	0.08	<0.01	0.39	<0.01	0.04	2.44	14.55	100.10	0.11	4.80	6.21	2.58	<0.02	8.14	4.56	4.93			
REP 3202517	QC																		8.34				
3202520	Rock	<0.01	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	0.02	37.11	99.13	<0.01	11.00	0.14	0.68	<0.02	37.84	0.04	0.30			
REP 3202520	QC	<0.01	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.02	37.11	99.12	<0.01										
3202524	Drill Core	0.52	0.01	0.33	0.16	<0.01	0.99	<0.01	0.76	2.10	8.05	98.60	0.05	2.17	9.49	2.13	0.03	<0.08	6.39	9.29			
REP 3202524	QC	0.53	0.02	0.33	0.16	<0.01	1.00	<0.01	0.76	2.12	8.05	98.85	0.04										
3202526	Drill Core	0.19	0.01	0.17	0.03	<0.01	0.12	<0.01	0.47	4.59	20.57	99.17	0.02	1.12	32.66	1.11	<0.02	<0.08	24.79	23.58			
REP 3202526	QC																						
Core Reject Duplicates																							
3202467	Drill Core	0.32	0.29	0.15	0.08	<0.01	0.03	<0.01	<0.01	0.36	6.05	99.41	0.02	1.87	0.95	0.39	<0.02	5.40	0.60	1.05			
DUP 3202467	QC	0.32	0.29	0.13	0.08	<0.01	0.04	<0.01	<0.01	0.35	6.26	98.97	0.01	1.93	0.93	0.37	<0.02	5.72	0.59	1.03			
3202501	Drill Core	2.45	0.16	0.77	0.16	0.01	0.59	<0.01	<0.01	0.04	5.58	99.14	0.04	1.40	0.68	0.71	0.02	2.46	0.39	0.85			
DUP 3202501	QC	2.43	0.16	0.77	0.15	<0.01	0.59	<0.01	<0.01	0.05	5.61	98.99	0.04	1.43	0.68	0.81	0.02	2.20	0.41	0.81			
Reference Materials																							
STD AMIS0330	Standard																				3.18		
STD AMIS0349	Standard																				2.75		
STD COO2	Standard																		3.40				
STD COO2	Standard																		3.50				
STD COO2	Standard																		3.58				
STD COO2	Standard																		3.61				
STD COO2	Standard																		3.68				
STD COO2	Standard																		3.64				
STD GGC-09	Standard																2.45						
STD GGC-09	Standard																2.44						



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

3 of 5

Part:

1 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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 GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	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		8.0	296.5	17042.1	26846	55.0	40.5	31.7	3957	8.91	924	8.9	9.8	26	65.1	37.8	4.7	33	1.84	0.091
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard		4.4	47616.9	877.6	2108	>1000	1526.8	98.6	79	3.69	1668	0.9	2.5	48	14.7	271.0	18.2	<10	0.19	0.011
STD OREAS605	Standard		4.6	47203.1	836.0	2128	964.5	1509.5	98.5	70	3.56	1690	0.9	2.5	49	14.0	272.0	18.3	<10	0.17	0.013
STD OREAS605	Standard		4.5	48803.5	870.1	2127	992.2	1566.2	99.8	78	3.62	1728	0.8	2.4	50	13.4	277.1	18.4	<10	0.17	0.010
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard		1.0	10717.2	211.2	731	4.3	30.1	30.5	1058	8.11	14	1.6	12.4	13	1.0	1.2	63.0	34	0.31	0.052
STD OREAS927-AR	Standard		1.1	10665.8	227.8	718	4.9	30.5	29.4	1055	8.04	14	1.7	12.7	13	1.2	1.3	65.6	35	0.30	0.056



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

3 of 5

Part:

2 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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 Tl 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 GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	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	35.6	26.4	0.83	395	0.030	1.14	0.02	0.53	2.7	1.07	3.6	6.2	7.17	<5	<2					
STD OREAS133B(D)	Standard																33.50	6.80	11.48	5.31	3.77
STD OREAS133B(D)	Standard																33.53	6.84	11.64	5.30	3.80
STD OREAS133B(D)	Standard																33.67	6.85	11.54	5.32	3.80
STD OREAS133B(D)	Standard																33.61	6.83	11.55	5.30	3.81
STD OREAS605	Standard	7.5	32.7	0.03	196	0.011	0.72	0.03	0.13	6.8	1.45	1.2	15.2	7.77	6	72					
STD OREAS605	Standard	7.5	26.2	0.03	247	0.010	0.70	0.03	0.11	6.3	1.77	1.2	15.6	7.63	5	73					
STD OREAS605	Standard	7.2	31.3	0.03	168	0.011	0.74	0.03	0.16	6.1	1.52	1.0	14.6	7.63	6	68					
STD OREAS72B	Standard																51.15	8.98	9.89	3.98	16.05
STD OREAS72B	Standard																51.18	8.94	9.84	3.98	16.06
STD OREAS72B	Standard																51.00	8.97	9.86	3.98	16.02
STD OREAS72B	Standard																51.11	9.00	9.88	3.96	16.07
STD OREAS927-AR	Standard	26.8	42.4	1.89	49	0.088	3.12	<0.01	0.27	4.9	0.06	5.4	<0.5	1.74	9	16					
STD OREAS927-AR	Standard	27.3	41.4	1.89	48	0.085	3.23	<0.01	0.28	4.8	<0.05	4.3	<0.5	1.76	10	17					



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

3 of 5

Part:

3 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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	
STD GGC-09	Standard																2.30					
STD GGC-09	Standard																2.45					
STD GGC-09	Standard																2.29					
STD GGC-10	Standard																5.06					
STD GGC-10	Standard																5.00					
STD GGC-10	Standard																4.80					
STD GGC-10	Standard																5.31					
STD GGC-10	Standard																5.05					
STD GS311-1	Standard													0.94	2.34							
STD GS311-1	Standard													1.00	2.29							
STD GS311-1	Standard													0.98	2.27							
STD GS314-1	Standard													1.29	29.87							
STD GS910-4	Standard													2.58	8.48							
STD GS910-4	Standard													2.72	8.15							
STD GS910-4	Standard													2.75	8.28							
STD OREAS135	Standard																					
STD OREAS133B(D)	Standard	3.46	0.16	0.22	0.09	<0.01	0.07	0.03	5.06	11.36	13.03	97.71	<0.01									
STD OREAS133B(D)	Standard	3.46	0.16	0.20	0.10	0.01	0.08	0.03	5.06	11.29	13.03	97.90	<0.01									
STD OREAS133B(D)	Standard	3.43	0.16	0.22	0.10	<0.01	0.08	0.03	5.06	11.37	13.03	98.01	<0.01									
STD OREAS133B(D)	Standard	3.49	0.16	0.23	0.10	<0.01	0.07	0.02	5.07	11.43	13.03	98.08	0.01									
STD OREAS605	Standard																					
STD OREAS605	Standard																					
STD OREAS605	Standard																					
STD OREAS72B	Standard	1.33	0.13	0.35	0.06	0.15	0.03	0.02	<0.01	<0.01	5.16	98.57	0.01									
STD OREAS72B	Standard	1.32	0.14	0.35	0.06	0.14	0.02	0.02	<0.01	<0.01	5.16	98.49	0.01									
STD OREAS72B	Standard	1.32	0.14	0.35	0.06	0.14	0.03	0.02	<0.01	0.01	4.96	98.17	0.01									
STD OREAS72B	Standard	1.33	0.14	0.34	0.06	0.14	0.03	0.02	<0.01	0.01	5.12	98.52	0.01									
STD OREAS927-AR	Standard																					
STD OREAS927-AR	Standard																					



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

4 of 5

Part:

1 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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 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 SY-4(D)	Standard																				
STD GS314-1 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 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 SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					
STD COO2 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD RTS-3A Expected																					
STD GGC-10 Expected																					
STD GGC-09 Expected																					
STD AMIS0330 Expected																					
STD AMIS0349 Expected																					
BLK	Blank																				
BLK	Blank																				
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	0.002
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
SI BLK	Blank																				
SI BLK	Blank																				



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

4 of 5

Part:

2 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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	
STD RTS-3A	Standard																					
STD RTS-3A	Standard																					
STD RTS-3A	Standard																					
STD SY-4(D)	Standard	49.83 20.75 6.21 7.99 0.53																				
STD SY-4(D)	Standard	49.84 20.89 6.22 8.01 0.53																				
STD SY-4(D)	Standard	49.90 20.84 6.20 8.02 0.53																				
STD SY-4(D)	Standard	49.63 20.75 6.18 7.95 0.53																				
STD GS314-1 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 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 COO2 Expected																						
STD GS311-1 Expected																						
STD GS910-4 Expected																						
STD RTS-3A Expected																						
STD GGC-10 Expected																						
STD GGC-09 Expected																						
STD AMIS0330 Expected																						
STD AMIS0349 Expected																						
BLK	Blank																					
BLK	Blank																					
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	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	0.09	<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						
SI BLK	Blank	99.65 0.31 0.01 0.02 0.02																				
SI BLK	Blank	99.34 0.30 0.01 0.01 0.01																				



BUREAU
VERITAS

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

4 of 5

Part:

3 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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 RTS-3A	Standard																		6.96	
STD RTS-3A	Standard																		6.70	
STD RTS-3A	Standard																		6.86	
STD SY-4(D)	Standard	1.66	0.12	0.30	0.14	<0.01	0.04	<0.01	0.01	0.01	4.56	99.28	<0.01							
STD SY-4(D)	Standard	1.66	0.11	0.30	0.14	<0.01	0.04	<0.01	0.01	0.01	4.56	99.45	<0.01							
STD SY-4(D)	Standard	1.66	0.12	0.30	0.14	<0.01	0.03	<0.01	0.02	0.01	4.56	99.46	<0.01							
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	98.96	<0.01							
STD GS314-1 Expected														1.41	29.11					
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 COO2 Expected																		3.43		
STD GS311-1 Expected														1.02	2.35					
STD GS910-4 Expected														2.65	8.27					
STD RTS-3A Expected																			7	
STD GGC-10 Expected																	4.79			
STD GGC-09 Expected																	2.41			
STD AMIS0330 Expected																				3.21
STD AMIS0349 Expected																				2.77
BLK	Blank													<0.02	<0.02					
BLK	Blank													<0.02	<0.02					
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
SI BLK	Blank	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	100.02	<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	99.67	<0.01							



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

5 of 5

Part:

1 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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																				
SI BLK	Blank																				
BLK	Blank																				
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		0.6	1.1	0.9	36	<0.5	0.6	3.2	358	1.73	<5	<0.5	2.3	22	<0.5	<0.5	<0.5	21	0.60	0.034
ROCK-WHI	Prep Blank		0.5	0.5	1.0	30	<0.5	1.0	2.9	363	1.70	<5	<0.5	2.6	21	<0.5	<0.5	<0.5	20	0.55	0.035



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

5 of 5

Part:

2 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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	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
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																99.23	0.32	0.02	0.01	<0.01
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																99.02	0.31	0.01	<0.01	<0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	6.2	5.5	0.43	58	0.089	0.84	0.09	0.09	<0.5	0.08	2.1	<0.5	<0.05	<5	<2	71.18	13.95	2.97	2.32	0.83
ROCK-WHI	Prep Blank	6.8	5.0	0.41	55	0.092	0.82	0.10	0.09	<0.5	0.07	2.7	<0.5	<0.05	<5	<2	71.12	13.90	2.94	2.27	0.75



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

January 30, 2021

Page:

5 of 5

Part:

3 of 3

QUALITY CONTROL REPORT

WHI20000543.2

		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
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
SI BLK	Blank	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	0.00	99.59	<0.01							
BLK	Blank																			
BLK	Blank																			
SI BLK	Blank	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.30	<0.01							
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
ROCK-WHI	Prep Blank	1.92	0.07	0.33	0.08	<0.01	0.08	<0.01	<0.01	<0.01	0.80	99.09	<0.01	0.06	<0.02	<0.02	<0.02	0.24	<0.02	<0.15
ROCK-WHI	Prep Blank	2.02	0.07	0.32	0.08	<0.01	0.08	<0.01	<0.01	<0.01	0.74	98.79	<0.01	0.05	0.02	<0.02	0.03	0.18	<0.02	<0.15