



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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

Submitted By: Confirmation & Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: September 29, 2020
Analysis Start: December 15, 2020
Report Date: January 07, 2021
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI20000487.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ20-BV-005
P.O. Number
Number of Samples: 50

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	49	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	1	Sort, label and box pulps			WHI
CRUBW	49	Extra clean rock wash between samples in crusher			WHI
PULSW	49	Extra Wash with Silica between each sample			VAN
AQ270	50	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	50	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
SHP01	50	Per sample shipping charges for branch shipments			VAN
TC000	50	Total C/S Analysis by Leco	0.1	Completed	VAN
TC007	50	Graphite and Organic C by Leco After Ignition	0.1	Completed	VAN
TC006	50	Inorganic Carbon	0.2	Completed	VAN
TC010	50	Analysis by Leco after sodium carbonate leach	0.1	Completed	VAN
LF726	5	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	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: Gilles Dessureau
Moira Cruickshanks
Confirmation & Email Distribution List



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 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 07, 2021

Page:

2 of 3

Part:

1 of 3

CERTIFICATE OF ANALYSIS

WHI20000487.1

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
3205151	Drill Core	5.08	0.9	25.4	154.1	9082	2.7	35.9	3.7	1798	5.82	78	<0.5	1.1	33	33.2	15.2	<0.5	31	0.20	0.067
3205152	Drill Core	4.17	0.7	11.7	89.2	1449	1.8	34.1	3.6	2369	6.67	62	<0.5	0.6	31	6.8	15.1	<0.5	34	0.17	0.056
3205153	Drill Core	4.54	0.9	11.3	62.7	1221	1.6	36.5	4.3	1743	5.75	46	<0.5	0.7	29	6.6	13.7	<0.5	29	0.24	0.090
3205154	Drill Core	3.65	1.7	19.8	119.0	1005	3.2	42.8	5.0	1054	4.27	56	0.5	0.9	26	4.4	20.3	<0.5	31	0.18	0.067
3205155	Drill Core	7.00	<0.5	435.4	10595.2	>200000	108.5	35.7	9.2	1234	5.43	1492	<0.5	0.8	72	1597.1	275.3	<0.5	11	1.46	0.008
3205156	Drill Core	3.42	<0.5	490.6	9987.8	>200000	168.1	21.1	13.1	672	4.56	541	<0.5	2.7	14	1444.2	260.5	<0.5	18	0.10	0.027
3205157	Drill Core	4.01	0.9	229.2	12663.6	194121	99.9	31.4	6.8	3025	10.13	151	<0.5	1.0	26	566.0	168.1	<0.5	42	0.17	0.053
3205158	Drill Core	5.06	1.6	27.8	477.2	11206	8.9	37.8	5.7	1493	5.60	62	0.5	0.7	54	33.8	30.7	<0.5	35	0.30	0.132
3205159	Drill Core	5.23	1.1	40.8	146.1	11667	8.1	41.7	5.8	1539	6.33	77	<0.5	<0.5	25	29.7	43.1	<0.5	34	0.17	0.066
3205160	Rock	0.85	1.2	52.7	8.2	73	<0.5	4.4	10.5	417	3.09	<5	0.9	2.7	96	<0.5	<0.5	<0.5	98	1.17	0.061
3205161	Drill Core	4.40	1.0	11.7	76.9	761	1.5	33.8	3.7	3155	8.81	43	<0.5	0.5	30	1.7	23.4	<0.5	47	0.21	0.067
3205162	Drill Core	3.84	1.3	17.6	76.9	2284	3.7	35.7	3.9	3167	8.85	42	<0.5	<0.5	38	5.2	27.8	<0.5	48	0.28	0.090
3205163	Drill Core	3.40	1.0	26.6	53.4	6919	3.5	35.6	3.9	1902	6.09	42	<0.5	<0.5	32	13.9	27.8	<0.5	40	0.21	0.078
3205164	Drill Core	4.43	1.2	13.0	43.1	467	1.5	39.0	4.0	1543	5.14	44	<0.5	0.6	42	1.4	26.9	<0.5	38	0.33	0.126
3205165	Drill Core	3.98	1.2	25.2	63.8	6134	2.6	45.7	4.9	997	5.08	118	<0.5	<0.5	36	26.8	37.6	<0.5	31	0.21	0.084
3205166	Drill Core	4.06	1.0	12.6	41.2	477	1.4	35.0	3.8	1465	5.06	49	<0.5	<0.5	41	1.7	25.3	<0.5	35	0.32	0.134
3205167	Drill Core	3.97	2.5	19.7	125.8	261	2.1	50.2	5.5	1171	4.92	69	0.7	1.1	51	1.4	34.7	<0.5	36	0.28	0.115
3205168	Drill Core	4.56	2.0	16.3	43.1	1417	1.7	39.1	3.8	1330	4.38	53	<0.5	0.5	35	4.7	28.7	<0.5	28	0.25	0.092
3205169	Drill Core	3.63	1.1	18.5	39.9	4328	1.9	35.1	3.7	614	2.87	56	<0.5	<0.5	37	20.9	25.3	<0.5	23	0.19	0.082
3205170	Drill Core	4.57	1.9	17.0	53.6	1782	1.8	46.0	5.9	2913	8.48	58	0.7	0.8	45	5.7	21.1	<0.5	55	0.24	0.080
3205171	Drill Core	4.48	0.9	128.8	2354.3	81533	25.1	36.5	10.1	3602	10.75	58	<0.5	<0.5	33	388.4	64.9	<0.5	38	0.20	0.057
3205172	Drill Core	3.88	0.9	20.8	74.0	8250	1.9	31.1	3.3	4164	10.98	29	<0.5	<0.5	40	21.1	16.8	<0.5	32	0.22	0.062
3205173	Drill Core	4.13	0.9	34.5	457.1	14439	6.7	33.8	3.8	4819	11.69	44	0.6	<0.5	39	83.9	21.6	<0.5	39	0.23	0.059
3205174	Drill Core	3.60	1.4	14.4	47.5	587	1.4	38.3	4.3	719	3.01	50	0.8	0.5	34	2.9	21.6	<0.5	26	0.20	0.084
3205175	Drill Core	4.20	1.7	16.8	29.6	658	1.0	30.3	4.2	1291	4.65	49	0.5	0.7	25	2.6	15.7	<0.5	36	0.13	0.046
3205176	Drill Core	3.92	0.9	14.6	37.9	351	1.0	34.0	3.5	1718	5.19	39	<0.5	<0.5	23	1.5	21.9	<0.5	28	0.10	0.031
3205177	Drill Core	3.78	1.4	17.0	54.3	265	1.3	39.0	4.7	1641	5.16	43	<0.5	0.6	29	1.3	24.2	<0.5	34	0.12	0.043
3205178	Drill Core	3.35	1.0	20.7	54.6	4189	1.4	46.6	6.1	1988	6.11	51	<0.5	<0.5	27	25.2	29.0	<0.5	37	0.17	0.061
3205179	Drill Core	4.08	1.0	31.3	35.2	8445	1.7	33.8	4.3	983	3.41	36	<0.5	<0.5	30	35.2	25.4	<0.5	24	0.15	0.059
3205180	Rock Pulp	0.03	2.6	220.1	18266.0	29319	33.8	24.2	19.8	1738	5.53	88	1.8	7.7	24	105.3	50.5	<0.5	11	5.14	0.054



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 07, 2021

Page:

2 of 3

Part:

2 of 3

CERTIFICATE OF ANALYSIS

WHI20000487.1

	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
3205151	Drill Core	0.6	16.6	0.13	100	0.001	0.21	<0.01	0.04	<0.5	5.31	3.0	<0.5	1.31	<5	<2	81.68	2.07	8.48	0.27	0.27
3205152	Drill Core	0.6	16.9	0.17	121	<0.001	0.17	<0.01	0.04	<0.5	1.12	3.7	<0.5	0.62	<5	<2	81.51	2.09	9.85	0.23	0.32
3205153	Drill Core	0.7	13.9	0.16	107	<0.001	0.25	<0.01	0.05	<0.5	1.02	2.7	<0.5	0.58	<5	<2	80.72	3.23	8.46	0.32	0.34
3205154	Drill Core	1.1	14.3	0.12	359	<0.001	0.35	<0.01	0.06	<0.5	0.86	2.1	0.5	0.76	<5	<2	83.40	4.33	6.24	0.24	0.27
3205155	Drill Core	<0.5	2.8	0.40	14	<0.001	0.11	<0.01	<0.01	<0.5	595.94	2.4	8.4	22.06	69	9	7.24	0.40	7.53	1.96	0.70
3205156	Drill Core	<0.5	6.5	0.08	20	<0.001	0.21	<0.01	<0.01	<0.5	521.33	2.1	3.1	19.39	50	5	27.61	0.76	6.30	0.14	0.15
3205157	Drill Core	<0.5	14.2	0.25	51	<0.001	0.38	<0.01	0.01	<0.5	208.10	3.7	3.8	10.95	14	6	44.81	1.60	14.51	0.23	0.43
3205158	Drill Core	0.9	17.8	0.15	80	0.001	0.33	<0.01	0.05	<0.5	15.02	2.4	0.5	1.37	<5	2	79.98	3.12	8.03	0.40	0.26
3205159	Drill Core	<0.5	18.3	0.14	44	<0.001	0.29	<0.01	0.03	<0.5	13.81	2.4	<0.5	1.87	<5	<2	81.11	1.77	9.39	0.22	0.27
3205160	Rock	8.3	6.8	0.88	210	0.187	1.94	0.27	0.34	<0.5	<0.05	4.5	<0.5	<0.05	6	<2	60.69	16.98	6.30	6.30	2.86
3205161	Drill Core	0.6	17.4	0.21	56	<0.001	0.21	<0.01	0.03	<0.5	1.44	3.5	<0.5	0.77	<5	<2	75.96	2.02	13.16	0.28	0.40
3205162	Drill Core	0.6	17.0	0.20	50	<0.001	0.22	<0.01	0.03	<0.5	2.87	3.5	<0.5	0.83	<5	2	75.18	2.15	13.22	0.38	0.40
3205163	Drill Core	0.6	18.4	0.15	58	<0.001	0.24	<0.01	0.04	<0.5	7.69	2.7	<0.5	0.93	<5	2	82.06	2.00	8.84	0.28	0.29
3205164	Drill Core	0.7	17.0	0.11	56	0.001	0.24	<0.01	0.03	<0.5	1.02	2.4	<0.5	0.65	<5	<2	83.54	2.56	7.27	0.44	0.23
3205165	Drill Core	0.6	19.0	0.08	54	0.001	0.23	<0.01	0.03	<0.5	6.83	1.8	0.8	2.41	<5	3	84.92	2.18	7.20	0.29	0.16
3205166	Drill Core	0.5	15.8	0.10	52	<0.001	0.16	<0.01	0.03	<0.5	1.04	2.2	<0.5	0.65	<5	<2	84.30	2.15	7.30	0.43	0.22
3205167	Drill Core	1.5	16.0	0.09	111	0.001	0.34	<0.01	0.06	<0.5	0.85	1.8	0.8	1.66	<5	3	82.05	4.53	7.21	0.40	0.19
3205168	Drill Core	0.7	11.7	0.08	60	<0.001	0.23	<0.01	0.04	<0.5	1.80	1.6	<0.5	0.86	<5	3	85.23	2.70	6.27	0.34	0.18
3205169	Drill Core	0.5	11.2	0.06	51	<0.001	0.16	<0.01	0.03	<0.5	5.13	1.2	<0.5	1.07	<5	3	88.81	2.07	4.19	0.26	0.13
3205170	Drill Core	0.9	17.3	0.18	73	<0.001	0.31	<0.01	0.05	<0.5	1.87	4.1	<0.5	0.92	<5	2	73.67	3.77	12.15	0.32	0.37
3205171	Drill Core	<0.5	13.9	0.25	678	<0.001	0.23	<0.01	0.03	<0.5	73.47	3.9	0.8	4.93	10	5	60.62	1.73	15.39	0.27	0.46
3205172	Drill Core	<0.5	12.0	0.27	57	<0.001	0.22	<0.01	0.03	<0.5	9.54	2.6	<0.5	0.74	<5	<2	69.91	1.83	16.18	0.30	0.47
3205173	Drill Core	<0.5	12.4	0.27	44	<0.001	0.21	<0.01	0.03	<0.5	15.45	3.5	<0.5	1.18	<5	3	66.69	1.88	17.04	0.31	0.49
3205174	Drill Core	0.8	12.3	0.06	65	<0.001	0.22	<0.01	0.04	<0.5	0.77	1.2	<0.5	0.69	<5	2	88.03	3.02	4.35	0.28	0.14
3205175	Drill Core	1.0	12.9	0.09	65	<0.001	0.29	<0.01	0.05	<0.5	0.91	2.2	<0.5	1.11	<5	<2	83.83	3.77	6.89	0.17	0.21
3205176	Drill Core	<0.5	11.4	0.12	69	<0.001	0.23	<0.01	0.03	<0.5	0.58	2.2	<0.5	0.60	<5	<2	84.94	2.09	7.38	0.14	0.25
3205177	Drill Core	0.9	12.0	0.13	54	<0.001	0.35	<0.01	0.04	<0.5	0.61	2.5	<0.5	0.68	<5	<2	82.60	3.58	7.82	0.18	0.27
3205178	Drill Core	<0.5	13.6	0.14	49	<0.001	0.22	<0.01	0.03	<0.5	4.41	3.1	<0.5	0.81	<5	2	80.58	2.66	8.72	0.22	0.27
3205179	Drill Core	<0.5	10.8	0.07	44	<0.001	0.15	<0.01	0.03	<0.5	8.49	1.9	<0.5	0.93	<5	<2	87.24	2.25	4.96	0.20	0.16
3205180	Rock Pulp	26.6	13.4	2.80	148	0.018	0.96	0.01	0.70	0.7	1.22	3.3	27.8	4.76	5	<2	43.45	8.65	8.14	7.37	5.31



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 07, 2021

Page:

2 of 3

Part:

3 of 3

CERTIFICATE OF ANALYSIS

WHI20000487.1

Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	LF726
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	Zn
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	0.1
3205151 Drill Core	0.32	0.23	0.09	0.17	<0.01	0.06	<0.01	0.01	0.93	4.31	99.19	0.02	1.23	1.35	0.45	<0.02	2.83	0.87	1.45	
3205152 Drill Core	0.29	0.30	0.09	0.13	<0.01	0.05	<0.01	0.02	0.15	4.95	100.05	0.01	1.50	0.60	0.47	0.02	3.71	0.34	0.77	
3205153 Drill Core	0.48	0.23	0.12	0.21	<0.01	0.09	<0.01	0.01	0.12	4.72	99.13	0.02	1.38	0.61	0.54	0.02	3.00	0.32	0.88	
3205154 Drill Core	0.69	0.14	0.22	0.16	<0.01	0.13	<0.01	0.02	0.10	3.76	99.83	0.02	1.08	0.81	0.57	0.03	1.76	0.43	1.13	
3205155 Drill Core	0.04	0.16	<0.01	0.03	<0.01	0.01	0.04	1.03	>24	15.16	99.81	<0.01	1.15	26.26	0.20	<0.02	3.49	18.97	21.84	50.8
3205156 Drill Core	0.08	0.09	0.02	0.09	<0.01	0.02	0.04	0.97	>24	12.36	101.35	0.01	0.53	21.78	0.18	<0.02	1.27	13.72	24.15	41.5
3205157 Drill Core	0.13	0.39	0.05	0.12	<0.01	0.02	0.02	1.23	20.26	11.58	100.53	0.01	2.15	10.61	0.58	<0.02	5.74	6.66	11.83	
3205158 Drill Core	0.38	0.19	0.17	0.27	<0.01	0.07	<0.01	0.04	1.12	4.66	99.01	0.02	1.33	1.38	0.62	<0.02	2.57	0.67	2.13	
3205159 Drill Core	0.20	0.20	0.09	0.15	<0.01	0.04	<0.01	0.02	1.22	4.61	99.62	0.02	1.26	1.93	0.47	<0.02	2.86	1.06	2.61	
3205160 Rock	1.49	0.13	0.52	0.14	<0.01	0.06	<0.01	<0.01	<0.01	0.96	99.78	0.03	0.04	<0.02	0.03	<0.02	<0.08	<0.02	<0.15	
3205161 Drill Core	0.22	0.40	0.10	0.15	<0.01	0.03	<0.01	0.01	0.08	6.63	99.48	0.02	2.09	0.80	0.70	<0.02	5.01	0.41	1.17	
3205162 Drill Core	0.23	0.40	0.09	0.22	<0.01	0.03	<0.01	<0.01	0.23	6.85	99.48	0.02	2.17	0.88	0.75	<0.02	5.12	0.45	1.30	
3205163 Drill Core	0.24	0.25	0.09	0.18	<0.01	0.04	<0.01	<0.01	0.71	4.53	99.72	0.01	1.42	0.94	0.58	<0.02	3.04	0.53	1.22	
3205164 Drill Core	0.27	0.20	0.10	0.32	<0.01	0.04	<0.01	0.01	0.04	4.02	99.11	0.01	1.25	0.70	0.59	0.04	2.29	0.41	0.84	
3205165 Drill Core	0.24	0.13	0.10	0.19	<0.01	0.04	<0.01	<0.01	0.61	3.61	99.85	0.02	0.78	2.38	0.35	<0.02	1.55	1.56	2.46	
3205166 Drill Core	0.27	0.20	0.10	0.31	<0.01	0.03	<0.01	0.01	0.04	3.88	99.32	0.02	1.25	0.70	0.57	0.04	2.34	0.40	0.91	
3205167 Drill Core	0.51	0.15	0.24	0.28	<0.01	0.10	0.01	0.02	0.02	4.31	100.09	0.03	1.14	1.75	0.66	0.04	1.63	1.29	1.38	
3205168 Drill Core	0.32	0.17	0.11	0.23	<0.01	0.06	<0.01	<0.01	0.14	3.66	99.48	0.02	1.10	0.90	0.57	0.04	1.79	0.63	0.82	
3205169 Drill Core	0.26	0.09	0.08	0.19	<0.01	0.04	<0.01	<0.01	0.45	2.43	99.17	0.01	0.64	1.12	0.33	0.02	1.04	0.82	0.90	
3205170 Drill Core	0.43	0.36	0.19	0.20	<0.01	0.06	<0.01	0.01	0.17	6.97	98.75	0.03	2.05	0.96	0.74	0.03	4.69	0.50	1.38	
3205171 Drill Core	0.21	0.47	0.07	0.14	<0.01	0.09	<0.01	0.24	8.49	9.61	99.92	0.01	2.37	5.05	0.54	<0.02	6.67	3.80	3.75	
3205172 Drill Core	0.22	0.53	0.08	0.14	<0.01	0.03	<0.01	0.01	0.83	8.53	99.29	0.01	2.69	0.81	0.65	<0.02	7.45	0.48	0.99	
3205173 Drill Core	0.20	0.61	0.07	0.14	<0.01	0.04	<0.01	0.05	1.45	9.29	98.62	0.02	2.92	1.30	0.70	<0.02	8.10	0.83	1.41	
3205174 Drill Core	0.37	0.10	0.13	0.20	<0.01	0.05	<0.01	0.01	0.06	2.71	99.49	0.02	0.78	0.71	0.40	0.03	1.25	0.45	0.78	
3205175 Drill Core	0.47	0.17	0.21	0.11	<0.01	0.06	<0.01	<0.01	0.07	4.10	100.13	0.02	1.13	1.14	0.52	0.05	2.06	0.83	0.96	
3205176 Drill Core	0.26	0.22	0.10	0.07	<0.01	0.03	<0.01	<0.01	0.03	3.91	99.46	0.01	1.24	0.65	0.44	0.06	2.74	0.36	0.85	
3205177 Drill Core	0.39	0.22	0.19	0.10	<0.01	0.05	<0.01	<0.01	0.03	4.53	100.02	0.02	1.41	0.73	0.60	0.09	2.64	0.45	0.84	
3205178 Drill Core	0.28	0.25	0.11	0.14	<0.01	0.04	<0.01	<0.01	0.42	4.92	98.74	0.02	1.42	0.82	0.44	<0.02	3.51	0.43	1.16	
3205179 Drill Core	0.26	0.13	0.13	0.14	<0.01	0.04	<0.01	<0.01	0.85	2.87	99.47	0.01	0.80	1.01	0.33	<0.02	1.69	0.61	1.21	
3205180 Rock Pulp	4.11	0.24	0.26	0.11	<0.01	0.07	0.02	1.79	3.07	13.31	96.96	<0.01	3.26	4.90	0.40	<0.02	10.48	1.32	10.72	



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 07, 2021

Page: 3 of 3

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI20000487.1

	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
3205181	Drill Core	3.94	1.0	25.6	52.3	6666	1.7	38.9	4.8	770	3.10	48	<0.5	<0.5	26	42.6	29.5	<0.5	19	0.11	0.047
3205182	Drill Core	3.74	0.9	27.8	44.7	9144	1.8	38.1	4.9	819	3.16	54	<0.5	<0.5	29	62.1	28.9	<0.5	22	0.12	0.051
3205183	Drill Core	5.18	1.3	44.3	79.6	10703	3.3	55.5	7.4	1263	5.27	116	1.4	<0.5	45	73.2	34.5	<0.5	45	0.18	0.074
3205184	Drill Core	1.96	4.7	9.3	53.6	61	0.7	35.0	6.0	777	2.99	26	2.0	2.1	46	<0.5	13.9	<0.5	61	0.19	0.063
3205185	Drill Core	4.17	3.6	8.2	88.7	48	0.8	56.1	8.0	1235	4.15	43	1.5	2.0	58	0.5	20.5	<0.5	74	0.20	0.076
3205186	Drill Core	3.45	3.9	19.6	169.5	56	1.4	105.3	13.6	1371	6.16	117	1.4	2.2	84	<0.5	37.1	<0.5	81	0.39	0.157
3205187	Drill Core	4.24	4.0	24.7	79.8	72	1.5	60.9	10.7	1893	5.75	62	1.7	1.9	57	0.7	21.7	<0.5	103	0.19	0.061
3205188	Drill Core	3.17	3.6	36.2	64.3	76	1.3	54.8	9.5	1605	4.94	43	1.3	1.5	44	<0.5	19.2	<0.5	79	0.18	0.060
3205189	Drill Core	5.94	1.3	31.0	35.0	12588	1.6	38.1	5.1	1661	5.56	45	<0.5	<0.5	21	41.3	21.6	<0.5	31	0.15	0.049
3205190	Drill Core	3.26	1.6	19.8	34.6	6054	1.3	39.7	6.1	190	1.86	45	0.6	0.6	19	25.1	20.1	<0.5	15	0.12	0.040
3205191	Drill Core	4.33	1.4	24.9	33.4	10557	1.8	38.2	6.7	1018	4.69	53	0.8	<0.5	18	46.0	23.6	<0.5	23	0.13	0.042
3205192	Drill Core	4.24	1.2	22.9	44.9	8443	1.6	41.7	6.7	1087	4.36	35	0.7	<0.5	22	44.9	22.6	<0.5	13	0.13	0.039
3205193	Drill Core	5.00	1.7	32.5	38.8	5942	2.0	33.4	5.7	2037	7.12	36	0.8	<0.5	24	21.1	19.2	<0.5	43	0.12	0.032
3205194	Drill Core	3.12	1.8	19.0	32.5	342	1.0	37.0	5.8	1531	5.45	34	0.8	0.6	29	1.2	16.5	<0.5	40	0.13	0.037
3205195	Drill Core	3.49	1.7	19.8	35.6	2214	1.3	46.3	7.3	1227	4.84	40	1.8	0.5	36	9.4	19.0	<0.5	38	0.19	0.063
3205196	Drill Core	4.83	1.1	49.4	56.3	31634	4.7	37.6	12.7	497	3.18	34	0.8	<0.5	28	75.2	26.7	<0.5	19	0.17	0.064
3205197	Drill Core	5.09	<0.5	558.7	2014.3	>200000	69.8	22.2	10.3	1250	5.77	121	<0.5	<0.5	13	1914.0	232.8	<0.5	14	0.08	0.003
3205198	Drill Core	3.15	<0.5	546.8	3003.5	>200000	58.4	23.9	10.6	692	4.24	131	<0.5	<0.5	18	1548.7	188.5	<0.5	16	0.08	0.036
3205199	Drill Core	5.04	0.8	404.2	2268.9	>200000	60.0	39.7	22.6	869	4.91	68	<0.5	<0.5	26	1108.1	183.0	<0.5	25	0.15	0.062
3205200	Rock	0.84	1.4	58.8	4.5	231	<0.5	4.9	11.3	406	3.09	<5	0.9	3.0	94	0.6	<0.5	<0.5	101	1.17	0.062



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 07, 2021

Page: 3 of 3

Part: 2 of 3

CERTIFICATE OF ANALYSIS

WHI20000487.1

	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
3205181	Drill Core	<0.5	8.8	0.06	45	<0.001	0.11	<0.01	0.03	<0.5	7.50	1.2	<0.5	1.15	<5	<2	87.81	2.02	4.54	0.16	0.13
3205182	Drill Core	<0.5	9.2	0.07	46	<0.001	0.14	<0.01	0.03	<0.5	10.66	1.5	<0.5	1.17	<5	<2	87.85	2.08	4.56	0.17	0.15
3205183	Drill Core	0.5	15.3	0.10	128	<0.001	0.28	<0.01	0.04	<0.5	11.88	2.5	0.8	2.10	<5	2	81.88	2.66	7.50	0.25	0.20
3205184	Drill Core	3.1	24.5	0.09	128	0.002	0.46	<0.01	0.11	<0.5	0.19	3.2	<0.5	0.67	<5	3	77.58	9.93	4.52	0.30	0.27
3205185	Drill Core	2.9	26.4	0.12	182	0.002	0.42	<0.01	0.12	<0.5	0.23	3.5	0.6	0.98	<5	4	76.08	8.87	6.23	0.29	0.30
3205186	Drill Core	3.4	30.1	0.14	166	0.002	0.52	<0.01	0.12	<0.5	0.32	5.1	0.7	2.66	<5	5	71.34	9.24	9.17	0.57	0.33
3205187	Drill Core	3.3	35.4	0.16	163	0.002	0.47	<0.01	0.14	<0.5	0.36	5.9	0.6	1.07	<5	4	72.04	9.19	8.49	0.27	0.36
3205188	Drill Core	2.2	28.6	0.13	113	0.001	0.28	<0.01	0.10	<0.5	0.28	3.8	<0.5	0.79	<5	3	76.22	8.09	7.34	0.26	0.32
3205189	Drill Core	<0.5	11.6	0.13	56	0.001	0.21	<0.01	0.04	0.7	11.54	2.6	<0.5	1.44	<5	<2	80.96	2.57	7.90	0.22	0.26
3205190	Drill Core	1.0	7.5	0.03	53	<0.001	0.19	<0.01	0.05	<0.5	5.76	1.1	<0.5	1.21	<5	<2	88.07	4.09	2.81	0.18	0.10
3205191	Drill Core	<0.5	10.0	0.09	59	<0.001	0.19	<0.01	0.04	0.6	9.39	1.5	<0.5	1.87	<5	3	82.88	2.87	6.98	0.19	0.20
3205192	Drill Core	<0.5	8.5	0.10	38	0.001	0.15	<0.01	0.04	1.2	8.61	1.3	<0.5	0.98	<5	<2	84.97	2.48	6.36	0.19	0.22
3205193	Drill Core	0.8	18.1	0.18	230	<0.001	0.23	<0.01	0.05	<0.5	5.24	2.8	<0.5	1.01	<5	<2	76.77	3.78	10.71	0.17	0.37
3205194	Drill Core	0.9	15.1	0.15	69	0.001	0.23	<0.01	0.07	<0.5	0.57	2.4	<0.5	0.61	<5	<2	81.08	4.19	8.00	0.19	0.32
3205195	Drill Core	1.0	15.6	0.11	248	0.001	0.26	<0.01	0.05	0.8	2.22	1.9	<0.5	0.75	<5	2	81.65	3.92	7.09	0.26	0.26
3205196	Drill Core	0.5	10.7	0.07	39	0.001	0.27	<0.01	0.04	0.5	29.30	1.6	<0.5	2.04	<5	<2	82.74	2.95	4.76	0.25	0.19
3205197	Drill Core	<0.5	5.0	0.22	25	<0.001	0.18	<0.01	0.11	<0.5	356.28	6.7	3.7	19.34	22	25	18.67	0.50	8.10	0.11	0.41
3205198	Drill Core	<0.5	10.9	0.12	23	<0.001	0.18	<0.01	0.11	<0.5	336.13	5.4	3.3	22.60	18	20	22.45	0.92	5.77	0.11	0.22
3205199	Drill Core	<0.5	13.3	0.09	28	0.001	0.27	<0.01	0.11	1.0	217.52	3.6	2.0	14.15	14	13	46.63	1.98	6.88	0.21	0.21
3205200	Rock	7.0	7.4	0.89	169	0.195	1.96	0.26	0.31	0.6	0.19	3.7	<0.5	<0.05	5	<2	60.42	17.22	6.41	6.43	2.94



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 07, 2021

Page: 3 of 3

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI20000487.1

	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	LF726
		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	Zn
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
3205181	Drill Core	0.25	0.11	0.12	0.12	<0.01	0.04	<0.01	<0.01	0.68	4.50	100.66	0.01	0.68	1.24	0.39	<0.02	1.04	0.70	1.59	
3205182	Drill Core	0.23	0.11	0.09	0.11	<0.01	0.03	<0.01	<0.01	0.93	2.80	99.35	0.01	0.72	1.22	0.29	<0.02	1.49	0.67	1.65	
3205183	Drill Core	0.29	0.16	0.13	0.17	<0.01	0.04	<0.01	<0.01	1.06	4.37	99.01	0.02	1.01	2.25	0.32	0.10	2.20	1.28	2.91	
3205184	Drill Core	1.36	0.10	0.62	0.18	0.02	0.16	<0.01	<0.01	<0.01	4.64	99.84	0.05	1.40	0.74	0.88	0.15	1.39	0.36	1.12	
3205185	Drill Core	1.42	0.17	0.49	0.18	<0.01	0.18	<0.01	<0.01	<0.01	5.06	99.43	0.04	1.45	1.09	0.74	0.10	2.25	0.74	1.03	
3205186	Drill Core	1.42	0.18	0.55	0.39	<0.01	0.16	<0.01	0.01	<0.01	6.42	99.94	0.05	1.47	2.90	0.84	0.06	2.10	2.37	1.59	
3205187	Drill Core	1.35	0.24	0.53	0.15	0.01	0.16	<0.01	<0.01	<0.01	6.26	99.18	0.05	1.75	1.16	0.79	0.08	3.22	0.82	1.02	
3205188	Drill Core	1.11	0.21	0.49	0.15	0.01	0.13	<0.01	<0.01	<0.01	5.39	99.86	0.04	1.48	0.89	0.57	0.09	3.00	0.60	0.88	
3205189	Drill Core	0.28	0.21	0.16	0.12	<0.01	0.03	<0.01	<0.01	1.26	4.43	98.74	0.01	1.25	1.59	0.39	0.03	3.07	1.09	1.48	
3205190	Drill Core	0.48	0.03	0.22	0.12	<0.01	0.06	<0.01	<0.01	0.63	2.04	99.04	0.02	0.44	1.34	0.31	0.04	0.36	0.90	1.30	
3205191	Drill Core	0.29	0.13	0.13	0.11	<0.01	0.04	<0.01	<0.01	1.08	3.88	99.08	0.01	0.99	2.02	0.38	0.04	2.09	1.65	1.10	
3205192	Drill Core	0.24	0.14	0.12	0.11	<0.01	0.03	<0.01	<0.01	0.85	3.55	99.47	<0.01	1.05	1.05	0.38	0.03	2.36	0.78	0.81	
3205193	Drill Core	0.42	0.27	0.20	0.08	<0.01	0.07	<0.01	<0.01	0.61	5.87	99.51	0.02	1.79	1.10	0.55	0.03	4.42	0.81	0.86	
3205194	Drill Core	0.56	0.20	0.21	0.10	<0.01	0.07	<0.01	<0.01	0.03	4.62	99.60	0.02	1.39	0.67	0.48	0.04	3.16	0.43	0.70	
3205195	Drill Core	0.48	0.16	0.19	0.17	<0.01	0.08	<0.01	<0.01	0.23	4.17	98.77	0.02	1.23	0.82	0.49	0.05	2.52	0.51	0.92	
3205196	Drill Core	0.33	0.08	0.15	0.17	<0.01	0.05	<0.01	<0.01	3.23	3.20	98.95	<0.01	0.72	2.25	0.35	0.02	1.28	1.78	1.40	
3205197	Drill Core	0.03	0.17	0.01	0.05	<0.01	<0.01	0.05	0.21	>24	14.74	100.43	<0.01	0.80	24.68	0.17	<0.02	2.28	17.52	21.45	46.1
3205198	Drill Core	0.09	0.09	0.06	0.07	<0.01	<0.01	0.04	0.31	>24	13.41	100.74	<0.01	0.55	24.04	0.15	<0.02	1.43	19.57	13.39	45.6
3205199	Drill Core	0.23	0.11	0.15	0.15	<0.01	0.02	0.03	0.23	>24	9.47	99.72	<0.01	0.79	14.67	0.31	<0.02	1.70	12.39	6.83	27.7
3205200	Rock	1.49	0.13	0.53	0.14	<0.01	0.06	<0.01	<0.01	0.03	0.88	100.02	0.03	0.04	0.02	0.02	<0.02	<0.08	<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 07, 2021

Page:

1 of 4

Part:

1 of 3

QUALITY CONTROL REPORT

WHI20000487.1

	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
3205175	Drill Core	4.20	1.7	16.8	29.6	658	1.0	30.3	4.2	1291	4.65	49	0.5	0.7	25	2.6	15.7	<0.5	36	0.13	0.046
3205196	Drill Core	4.83	1.1	49.4	56.3	31634	4.7	37.6	12.7	497	3.18	34	0.8	<0.5	28	75.2	26.7	<0.5	19	0.17	0.064
Pulp Duplicates																					
3205152	Drill Core	4.17	0.7	11.7	89.2	1449	1.8	34.1	3.6	2369	6.67	62	<0.5	0.6	31	6.8	15.1	<0.5	34	0.17	0.056
REP 3205152	QC																				
3205155	Drill Core	7.00	<0.5	435.4	10595.2	>200000	108.5	35.7	9.2	1234	5.43	1492	<0.5	0.8	72	1597.1	275.3	<0.5	11	1.46	0.008
REP 3205155	QC																				
3205164	Drill Core	4.43	1.2	13.0	43.1	467	1.5	39.0	4.0	1543	5.14	44	<0.5	0.6	42	1.4	26.9	<0.5	38	0.33	0.126
REP 3205164	QC		1.3	12.7	44.0	459	1.4	40.3	3.8	1542	5.07	44	<0.5	0.6	41	1.4	26.8	<0.5	39	0.32	0.130
3205166	Drill Core	4.06	1.0	12.6	41.2	477	1.4	35.0	3.8	1465	5.06	49	<0.5	<0.5	41	1.7	25.3	<0.5	35	0.32	0.134
REP 3205166	QC																				
3205168	Drill Core	4.56	2.0	16.3	43.1	1417	1.7	39.1	3.8	1330	4.38	53	<0.5	0.5	35	4.7	28.7	<0.5	28	0.25	0.092
REP 3205168	QC																				
3205171	Drill Core	4.48	0.9	128.8	2354.3	81533	25.1	36.5	10.1	3602	10.75	58	<0.5	<0.5	33	388.4	64.9	<0.5	38	0.20	0.057
REP 3205171	QC																				
3205184	Drill Core	1.96	4.7	9.3	53.6	61	0.7	35.0	6.0	777	2.99	26	2.0	2.1	46	<0.5	13.9	<0.5	61	0.19	0.063
REP 3205184	QC																				
3205186	Drill Core	3.45	3.9	19.6	169.5	56	1.4	105.3	13.6	1371	6.16	117	1.4	2.2	84	<0.5	37.1	<0.5	81	0.39	0.157
REP 3205186	QC																				
3205190	Drill Core	3.26	1.6	19.8	34.6	6054	1.3	39.7	6.1	190	1.86	45	0.6	0.6	19	25.1	20.1	<0.5	15	0.12	0.040
REP 3205190	QC		1.4	19.1	36.0	6111	1.3	39.3	6.4	193	1.90	43	0.6	0.6	21	27.1	21.0	<0.5	14	0.12	0.041
3205191	Drill Core	4.33	1.4	24.9	33.4	10557	1.8	38.2	6.7	1018	4.69	53	0.8	<0.5	18	46.0	23.6	<0.5	23	0.13	0.042
REP 3205191	QC																				
3205192	Drill Core	4.24	1.2	22.9	44.9	8443	1.6	41.7	6.7	1087	4.36	35	0.7	<0.5	22	44.9	22.6	<0.5	13	0.13	0.039
REP 3205192	QC																				
3205194	Drill Core	3.12	1.8	19.0	32.5	342	1.0	37.0	5.8	1531	5.45	34	0.8	0.6	29	1.2	16.5	<0.5	40	0.13	0.037
REP 3205194	QC																				
3205197	Drill Core	5.09	<0.5	558.7	2014.3	>200000	69.8	22.2	10.3	1250	5.77	121	<0.5	<0.5	13	1914.0	232.8	<0.5	14	0.08	0.003
REP 3205197	QC																				



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Project: MacMillan Pass
Report Date: January 07, 2021

Page: 1 of 4

Part: 2 of 3

QUALITY CONTROL REPORT

WHI20000487.1

	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
3205175	Drill Core	1.0	12.9	0.09	65	<0.001	0.29	<0.01	0.05	<0.5	0.91	2.2	<0.5	1.11	<5	<2	83.83	3.77	6.89	0.17	0.21
3205196	Drill Core	0.5	10.7	0.07	39	0.001	0.27	<0.01	0.04	0.5	29.30	1.6	<0.5	2.04	<5	<2	82.74	2.95	4.76	0.25	0.19
Pulp Duplicates																					
3205152	Drill Core	0.6	16.9	0.17	121	<0.001	0.17	<0.01	0.04	<0.5	1.12	3.7	<0.5	0.62	<5	<2	81.51	2.09	9.85	0.23	0.32
REP 3205152	QC																				
3205155	Drill Core	<0.5	2.8	0.40	14	<0.001	0.11	<0.01	<0.01	<0.5	595.94	2.4	8.4	22.06	69	9	7.24	0.40	7.53	1.96	0.70
REP 3205155	QC																				
3205164	Drill Core	0.7	17.0	0.11	56	0.001	0.24	<0.01	0.03	<0.5	1.02	2.4	<0.5	0.65	<5	<2	83.54	2.56	7.27	0.44	0.23
REP 3205164	QC	0.7	17.4	0.11	56	0.001	0.24	<0.01	0.03	<0.5	0.95	2.1	<0.5	0.65	<5	2					
3205166	Drill Core	0.5	15.8	0.10	52	<0.001	0.16	<0.01	0.03	<0.5	1.04	2.2	<0.5	0.65	<5	<2	84.30	2.15	7.30	0.43	0.22
REP 3205166	QC																				
3205168	Drill Core	0.7	11.7	0.08	60	<0.001	0.23	<0.01	0.04	<0.5	1.80	1.6	<0.5	0.86	<5	3	85.23	2.70	6.27	0.34	0.18
REP 3205168	QC																85.52	2.71	6.30	0.35	0.19
3205171	Drill Core	<0.5	13.9	0.25	678	<0.001	0.23	<0.01	0.03	<0.5	73.47	3.9	0.8	4.93	10	5	60.62	1.73	15.39	0.27	0.46
REP 3205171	QC																60.65	1.74	15.37	0.28	0.46
3205184	Drill Core	3.1	24.5	0.09	128	0.002	0.46	<0.01	0.11	<0.5	0.19	3.2	<0.5	0.67	<5	3	77.58	9.93	4.52	0.30	0.27
REP 3205184	QC																				
3205186	Drill Core	3.4	30.1	0.14	166	0.002	0.52	<0.01	0.12	<0.5	0.32	5.1	0.7	2.66	<5	5	71.34	9.24	9.17	0.57	0.33
REP 3205186	QC																				
3205190	Drill Core	1.0	7.5	0.03	53	<0.001	0.19	<0.01	0.05	<0.5	5.76	1.1	<0.5	1.21	<5	<2	88.07	4.09	2.81	0.18	0.10
REP 3205190	QC	0.9	8.3	0.03	52	<0.001	0.22	<0.01	0.05	<0.5	5.94	0.7	<0.5	1.21	<5	2					
3205191	Drill Core	<0.5	10.0	0.09	59	<0.001	0.19	<0.01	0.04	0.6	9.39	1.5	<0.5	1.87	<5	3	82.88	2.87	6.98	0.19	0.20
REP 3205191	QC																				
3205192	Drill Core	<0.5	8.5	0.10	38	0.001	0.15	<0.01	0.04	1.2	8.61	1.3	<0.5	0.98	<5	<2	84.97	2.48	6.36	0.19	0.22
REP 3205192	QC																84.91	2.48	6.35	0.19	0.22
3205194	Drill Core	0.9	15.1	0.15	69	0.001	0.23	<0.01	0.07	<0.5	0.57	2.4	<0.5	0.61	<5	<2	81.08	4.19	8.00	0.19	0.32
REP 3205194	QC																81.48	4.19	8.02	0.19	0.32
3205197	Drill Core	<0.5	5.0	0.22	25	<0.001	0.18	<0.01	0.11	<0.5	356.28	6.7	3.7	19.34	22	25	18.67	0.50	8.10	0.11	0.41
REP 3205197	QC																				



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

QUALITY CONTROL REPORT

WHI20000487.1

	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	LF726
		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	Zn
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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	0.1
3205175	Drill Core	0.47	0.17	0.21	0.11	<0.01	0.06	<0.01	<0.01	0.07	4.10	100.13	0.02	1.13	1.14	0.52	0.05	2.06	0.83	0.96	
3205196	Drill Core	0.33	0.08	0.15	0.17	<0.01	0.05	<0.01	<0.01	3.23	3.20	98.95	<0.01	0.72	2.25	0.35	0.02	1.28	1.78	1.40	
Pulp Duplicates																					
3205152	Drill Core	0.29	0.30	0.09	0.13	<0.01	0.05	<0.01	0.02	0.15	4.95	100.05	0.01	1.50	0.60	0.47	0.02	3.71	0.34	0.77	
REP 3205152	QC																<0.02				
3205155	Drill Core	0.04	0.16	<0.01	0.03	<0.01	0.01	0.04	1.03	>24	15.16	99.81	<0.01	1.15	26.26	0.20	<0.02	3.49	18.97	21.84	50.8
REP 3205155	QC													1.16	26.30						
3205164	Drill Core	0.27	0.20	0.10	0.32	<0.01	0.04	<0.01	0.01	0.04	4.02	99.11	0.01	1.25	0.70	0.59	0.04	2.29	0.41	0.84	
REP 3205164	QC																				
3205166	Drill Core	0.27	0.20	0.10	0.31	<0.01	0.03	<0.01	0.01	0.04	3.88	99.32	0.02	1.25	0.70	0.57	0.04	2.34	0.40	0.91	
REP 3205166	QC																	2.23			
3205168	Drill Core	0.32	0.17	0.11	0.23	<0.01	0.06	<0.01	<0.01	0.14	3.66	99.48	0.02	1.10	0.90	0.57	0.04	1.79	0.63	0.82	
REP 3205168	QC	0.31	0.17	0.11	0.24	<0.01	0.04	<0.01	<0.01	0.14	3.66	99.81	0.02								
3205171	Drill Core	0.21	0.47	0.07	0.14	<0.01	0.09	<0.01	0.24	8.49	9.61	99.92	0.01	2.37	5.05	0.54	<0.02	6.67	3.80	3.75	
REP 3205171	QC	0.20	0.45	0.06	0.14	<0.01	0.10	<0.01	0.24	8.52	9.61	100.01	0.01								
3205184	Drill Core	1.36	0.10	0.62	0.18	0.02	0.16	<0.01	<0.01	<0.01	4.64	99.84	0.05	1.40	0.74	0.88	0.15	1.39	0.36	1.12	
REP 3205184	QC																0.15				
3205186	Drill Core	1.42	0.18	0.55	0.39	<0.01	0.16	<0.01	0.01	<0.01	6.42	99.94	0.05	1.47	2.90	0.84	0.06	2.10	2.37	1.59	
REP 3205186	QC													1.50	2.94						
3205190	Drill Core	0.48	0.03	0.22	0.12	<0.01	0.06	<0.01	<0.01	0.63	2.04	99.04	0.02	0.44	1.34	0.31	0.04	0.36	0.90	1.30	
REP 3205190	QC																				
3205191	Drill Core	0.29	0.13	0.13	0.11	<0.01	0.04	<0.01	<0.01	1.08	3.88	99.08	0.01	0.99	2.02	0.38	0.04	2.09	1.65	1.10	
REP 3205191	QC																	2.12			
3205192	Drill Core	0.24	0.14	0.12	0.11	<0.01	0.03	<0.01	<0.01	0.85	3.55	99.47	<0.01	1.05	1.05	0.38	0.03	2.36	0.78	0.81	
REP 3205192	QC	0.25	0.14	0.10	0.11	<0.01	0.04	<0.01	<0.01	0.85	3.55	99.39	<0.01						0.69		
3205194	Drill Core	0.56	0.20	0.21	0.10	<0.01	0.07	<0.01	<0.01	0.03	4.62	99.60	0.02	1.39	0.67	0.48	0.04	3.16	0.43	0.70	
REP 3205194	QC	0.56	0.20	0.21	0.10	<0.01	0.07	<0.01	<0.01	0.03	4.62	100.05	0.02								
3205197	Drill Core	0.03	0.17	0.01	0.05	<0.01	<0.01	0.05	0.21	>24	14.74	100.43	<0.01	0.80	24.68	0.17	<0.02	2.28	17.52	21.45	46.1
REP 3205197	QC																				45.9



**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 07, 2021

Page:

2 of 4

Part:

1 of 3

QUALITY CONTROL REPORT

WHI20000487.1

		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
Core Reject Duplicates																					
3205174	Drill Core	3.60	1.4	14.4	47.5	587	1.4	38.3	4.3	719	3.01	50	0.8	0.5	34	2.9	21.6	<0.5	26	0.20	0.084
DUP 3205174	QC		1.4	16.9	46.8	522	1.4	36.0	4.7	731	3.05	51	0.8	0.6	36	2.5	21.9	<0.5	26	0.21	0.087
Reference Materials																					
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD CZN-4	Standard																				
STD GBM309-14	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 OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS135	Standard		9.6	301.7	16871.9	27389	53.0	40.6	33.8	3901	8.81	849	9.2	10.7	26	63.1	36.7	4.6	32	1.88	0.094
STD OREAS605	Standard		4.7	47041.1	869.6	2032	>1000	1511.8	94.5	71	3.65	1671	0.8	2.4	46	13.0	259.3	16.2	<10	0.18	0.012
STD OREAS605	Standard		4.6	47582.5	869.7	2058	>1000	1473.6	97.0	83	3.62	1667	0.9	2.8	49	16.1	287.9	20.2	<10	0.18	0.010
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard		1.0	10694.9	225.2	777	4.0	28.4	29.3	1032	8.12	14	1.8	13.2	13	1.1	1.2	65.2	32	0.30	0.056
STD RTS-3A	Standard																				



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

QUALITY CONTROL REPORT

WHI20000487.1

		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
Core Reject Duplicates																					
3205174	Drill Core	0.8	12.3	0.06	65	<0.001	0.22	<0.01	0.04	<0.5	0.77	1.2	<0.5	0.69	<5	2	88.03	3.02	4.35	0.28	0.14
DUP 3205174	QC	0.8	11.5	0.06	68	<0.001	0.23	<0.01	0.04	<0.5	0.67	0.9	<0.5	0.70	<5	3	87.30	3.00	4.37	0.29	0.15
Reference Materials																					
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD CZN-4	Standard																				
STD GBM309-14	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 OREAS133B(D)	Standard															33.70	6.84	11.54	5.30	3.80	
STD OREAS133B(D)	Standard															33.54	6.86	11.52	5.31	3.77	
STD OREAS135	Standard	41.3	24.4	0.84	395	0.030	1.09	0.02	0.50	3.0	1.09	3.4	6.0	7.12	<5	<2					
STD OREAS605	Standard	7.7	28.7	0.03	176	0.010	0.71	0.03	0.12	6.3	1.79	1.4	14.4	7.68	5	73					
STD OREAS605	Standard	7.9	28.7	0.03	174	0.010	0.70	0.03	0.13	7.4	1.71	1.0	15.9	7.68	6	72					
STD OREAS72B	Standard															51.08	8.98	9.86	3.99	16.06	
STD OREAS72B	Standard															51.08	8.91	9.88	3.98	16.06	
STD OREAS927-AR	Standard	27.7	39.7	1.92	46	0.080	3.14	<0.01	0.25	5.3	0.09	4.7	<0.5	1.74	9	15					
STD RTS-3A	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 07, 2021

Page:

2 of 4

Part:

3 of 3

QUALITY CONTROL REPORT

WHI20000487.1

		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 %	LF726 Zn %	
		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	0.1	
Core Reject Duplicates																						
3205174	Drill Core	0.37	0.10	0.13	0.20	<0.01	0.05	<0.01	0.01	0.06	2.71	99.49	0.02	0.78	0.71	0.40	0.03	1.25	0.45	0.78		
DUP 3205174	QC	0.36	0.10	0.17	0.22	<0.01	0.05	<0.01	<0.01	0.05	2.66	98.76	0.02	0.77	0.77	0.40	0.03	1.26	0.44	0.99		
Reference Materials																						
STD COO2	Standard																	3.50				
STD COO2	Standard																	3.42				
STD COO2	Standard																	3.58				
STD COO2	Standard																	3.65				
STD CZN-4	Standard																				56.1	
STD GBM309-14	Standard																				22.1	
STD GGC-09	Standard															2.25						
STD GGC-09	Standard															2.44						
STD GGC-10	Standard															4.71						
STD GGC-10	Standard															5.14						
STD GS311-1	Standard													0.96	2.36							
STD GS311-1	Standard													0.96	2.39							
STD GS314-1	Standard													1.30	28.18							
STD GS314-1	Standard													1.29	27.94							
STD GS910-4	Standard													2.61	7.73							
STD GS910-4	Standard													2.65	8.52							
STD OREAS133B(D)	Standard	3.46	0.16	0.20	0.09	<0.01	0.08	0.02	5.08	11.41	13.03	98.08	<0.01									
STD OREAS133B(D)	Standard	3.45	0.16	0.20	0.10	<0.01	0.07	0.03	5.06	11.35	13.03	97.83	<0.01									
STD OREAS135	Standard																					
STD OREAS605	Standard																					
STD OREAS605	Standard																					
STD OREAS72B	Standard	1.33	0.13	0.35	0.06	0.14	0.03	0.02	<0.01	<0.01	5.12	98.49	0.01									
STD OREAS72B	Standard	1.32	0.13	0.33	0.06	0.14	0.03	0.02	<0.01	<0.01	5.12	98.36	0.02									
STD OREAS927-AR	Standard																					
STD RTS-3A	Standard																		6.86			



**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 07, 2021

Page:

3 of 4

Part:

1 of 3

QUALITY CONTROL REPORT

WHI20000487.1

		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
STD RTS-3A	Standard																				
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD GS314-1 Expected																					
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					
STD 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 CZN-4 Expected																					
STD GBM309-14 Expected																					
STD OREAS605 Expected			4.75	49800	856	2170	984	1568	96	83.44	3.6707	1674	0.9		49	13.6	290	19	7.8	0.182	0.0105
STD 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 GGC-10 Expected																					
STD GGC-09 Expected																					
STD COO2 Expected																					
STD RTS-3A Expected																					
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																				
SI 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
SI 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																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
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 07, 2021

Page:

3 of 4

Part:

2 of 3

QUALITY CONTROL REPORT

WHI20000487.1

		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 SY-4(D)	Standard	50.08 20.83 6.19 8.01 0.53																			
STD SY-4(D)	Standard	49.97 20.86 6.22 8.03 0.54																			
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD GS314-1 Expected																					
STD SY-4(D) Expected		49.9 20.69 6.21 8.05 0.54																			
STD OREAS72B Expected		51.17 8.97 9.724 3.96 15.933																			
STD OREAS133B(D) Expected		33.83 6.91 11.67 5.4 3.73																			
STD 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 CZN-4 Expected																					
STD GBM309-14 Expected																					
STD OREAS605 Expected		7.5	28.8	0.0289	222	0.0103	0.73	0.0328	0.134	7.1	1.7	1.3	15.5	7.86	6.7	77					
STD 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 GGC-10 Expected																					
STD GGC-09 Expected																					
STD COO2 Expected																					
STD RTS-3A Expected																					
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank	99.39 0.31 0.02 <0.01 0.02																			
SI BLK	Blank	99.55 0.31 <0.01 0.01 0.02																			
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																				
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																				
BLK	Blank																				
BLK	Blank																				
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 07, 2021

Page:

3 of 4

Part:

3 of 3

QUALITY CONTROL REPORT

WHI20000487.1

		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 %	LF726 Zn %	
		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	0.1	
STD RTS-3A	Standard	6.71																				
STD SY-4(D)	Standard	1.66	0.11	0.30	0.13	<0.01	0.04	<0.01	0.02	0.01	4.56	99.61	<0.01									
STD SY-4(D)	Standard	1.67	0.11	0.30	0.14	<0.01	0.04	<0.01	0.01	0.01	4.56	99.68	<0.01									
STD GS311-1 Expected														1.02	2.35							
STD GS910-4 Expected														2.65	8.27							
STD GS314-1 Expected														1.41	29.11							
STD SY-4(D) Expected		1.66	0.108	0.287	0.131	0.0345						4.56										
STD OREAS72B Expected		1.313	0.13	0.355	0.061	0.142	0.0335	0.0193				5.12										
STD OREAS133B(D) Expected								0.08	0.032	5.06	11.35											
STD OREAS135 Expected																						
STD CZN-4 Expected																						
STD GBM309-14 Expected																						
STD OREAS605 Expected																						
STD OREAS927-AR Expected																						
STD GGC-10 Expected																		4.79				
STD GGC-09 Expected																		2.41				
STD COO2 Expected																			3.43			
STD RTS-3A Expected																				7		
BLK	Blank													<0.02	<0.02							
BLK	Blank													<0.02	<0.02							
SI BLK	Blank	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.77	<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	99.89	<0.01									
BLK	Blank																					
SI BLK	Blank																					
BLK	Blank																					
BLK	Blank																	<0.02				
BLK	Blank																	<0.02				
BLK	Blank																			<0.02		
BLK	Blank																			<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 07, 2021

Page: 4 of 4

Part: 1 of 3

QUALITY CONTROL REPORT

WHI20000487.1

		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
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
ROCK-WHI	Prep Blank		0.8	2.8	153.1	39	0.6	1.2	3.3	412	1.74	<5	0.5	2.2	23	<0.5	0.6	<0.5	21	0.60
ROCK-WHI	Prep Blank		1.0	2.4	28.5	29	<0.5	0.7	3.3	376	1.74	<5	<0.5	2.5	21	<0.5	<0.5	<0.5	20	0.57



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 07, 2021

Page: 4 of 4

Part: 2 of 3

QUALITY CONTROL REPORT

WHI20000487.1

		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725	
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	6.7	3.6	0.43	57	0.087	0.82	0.09	0.08	<0.5	<0.05	3.0	<0.5	<0.05	<5	<2	71.41	13.89	3.07	2.33	0.85
ROCK-WHI	Prep Blank	7.1	3.2	0.36	62	0.088	0.84	0.11	0.08	<0.5	<0.05	2.8	<0.5	<0.05	<5	<2	71.79	13.93	3.01	2.25	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 07, 2021

Page:

4 of 4

Part:

3 of 3

QUALITY CONTROL REPORT

WHI20000487.1

		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	LF726
		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	Zn
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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	0.1
BLK	Blank	<0.08																			
BLK	Blank	<0.08																			
BLK	Blank	<0.02																			
Prep Wash																					
ROCK-WHI	Prep Blank	1.91	0.08	0.31	0.08	<0.01	0.09	<0.01	0.02	<0.01	0.78	99.39	0.01	0.07	<0.02	0.02	<0.02	0.20	<0.02	<0.15	
ROCK-WHI	Prep Blank	2.09	0.08	0.30	0.08	<0.01	0.09	<0.01	<0.01	<0.01	0.77	99.65	<0.01	0.06	0.03	0.02	<0.02	0.15	<0.02	<0.15	