



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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

Submitted By: Confirmation & Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: August 01, 2018
Report Date: September 18, 2018
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI18000527.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ18-BV-011
P.O. Number
Number of Samples: 33

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-500	32	Crush, split and pulverize 500g rock to 200 mesh			WHI
CRUBW	32	Extra clean rock wash between samples in crusher			WHI
PULSW	32	Extra Wash with Silica between each sample			WHI
SLBHP	1	Sort, label and box pulps			WHI
FA330	33	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
EN002	33	Environmental disposal charge-Fire assay lead waste			VAN
AQ270	33	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	33	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC006	33	15% HClO4 leach, CO2 analysis by Leco	0.2	Completed	VAN
TC003	33	Analysis by Leco	0.1	Completed	VAN
SHP01	33	Per sample shipping charges for branch shipments			VAN
LF726	8	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN

ADDITIONAL COMMENTS

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

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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:

September 18, 2018

Page:

2 of 3

Part:

1 of 3

CERTIFICATE OF ANALYSIS

WHI18000527.1

Method Analyte Unit MDL		WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
3207049	Drill Core	5.16	12	<3	<2	3.7	197.3	82.8	41	1.1	77.1	15.9	1810	5.53	115	1.5	5.6	21	0.7	7.9	<0.5
3207050	Drill Core	5.48	12	6	6	4.4	101.4	1053.6	50	3.0	105.0	18.4	1550	5.38	87	1.6	5.6	20	1.9	9.1	<0.5
3207051	Drill Core	3.49	9	3	5	3.9	144.2	2094.8	66	5.5	121.4	23.8	2535	7.57	67	1.5	5.5	16	0.6	11.8	<0.5
3207052	Drill Core	6.32	8	<3	5	4.1	134.4	1766.2	54	4.0	115.5	20.9	2899	7.95	64	1.6	5.3	19	0.6	11.0	<0.5
3207053	Drill Core	5.96	10	<3	5	4.0	470.9	3296.3	48	6.8	98.6	18.3	1719	4.67	45	2.0	7.0	23	0.8	14.1	<0.5
3207054	Drill Core	5.48	11	5	<2	6.1	149.5	6251.8	3705	12.2	62.7	18.8	353	3.78	106	1.9	4.7	23	18.6	23.4	<0.5
3207055	Drill Core	4.62	55	4	3	8.8	453.6	>40000>200000		91.2	53.0	39.0	201	3.32	122	1.8	2.2	23	1288.5	126.5	<0.5
3207056	Drill Core	1.34	47	16	9	8.2	93.6	>40000	167121	97.3	43.7	34.1	145	2.24	108	1.7	2.3	28	819.4	118.0	<0.5
3207057	Drill Core	1.63	39	9	<2	8.7	95.8	>40000	156934	113.0	42.2	33.7	206	2.33	108	1.5	2.2	27	750.4	128.9	<0.5
3207058	Drill Core	4.71	39	<3	2	12.9	363.6	>40000	155721	158.4	81.7	50.3	196	5.10	179	2.4	2.8	36	737.6	202.0	<0.5
3207059	Drill Core	4.76	40	12	18	19.3	278.0	>40000>200000		219.5	83.2	77.3	148	4.15	204	3.7	4.1	36	958.0	279.3	<0.5
3207060	Drill Core	3.47	27	4	6	7.3	212.7	>40000>200000		158.2	37.6	35.1	120	2.71	96	1.3	1.5	15	1326.5	185.9	<0.5
3207061	Drill Core	3.36	23	<3	4	8.0	95.7	>40000	155207	216.5	32.8	27.5	131	1.89	80	1.3	1.9	13	746.8	226.4	<0.5
3207062	Drill Core	4.11	33	<3	8	34.8	349.5	19434.5	162587	50.9	126.5	41.4	140	4.95	221	6.2	7.2	58	988.9	119.6	<0.5
3207063	Drill Core	3.75	42	<3	2	3.5	161.4	>40000>200000		401.0	12.0	22.1	89	2.31	15	0.8	0.8	13	2566.8	490.2	<0.5
3207064	Drill Core	6.70	42	<3	6	3.1	128.3	>40000>200000		400.9	15.6	19.8	71	2.02	24	0.5	<0.5	8	2636.0	487.1	<0.5
3207065	Rock	0.85	3	<3	<2	1.0	19.0	104.0	159	<0.5	2.5	5.1	688	2.18	<5	<0.5	2.0	33	0.8	<0.5	<0.5
3207066	Drill Core	3.52	35	<3	<2	7.9	149.7	>40000>200000		106.8	27.6	29.5	72	2.39	56	1.5	1.6	17	1650.7	130.3	<0.5
3207067	Rock Pulp	0.03	27	4	<2	4.4	496.4	36237.4	49274	56.7	17.8	45.4	2423	7.33	157	1.7	6.5	28	174.8	49.8	<0.5
3207068	Drill Core	5.98	40	6	<2	6.3	110.4	>40000>200000		166.9	30.4	24.7	63	1.91	91	1.2	1.3	18	1078.6	192.4	<0.5
3207069	Drill Core	4.50	53	<3	<2	7.9	237.5	>40000	154810	451.4	37.5	33.8	1063	5.49	221	2.2	1.9	19	743.0	522.8	<0.5
3207070	Drill Core	4.34	99	<3	4	9.7	461.0	>40000	183798	242.8	44.2	43.3	3621	9.62	199	2.3	2.0	16	831.8	289.4	<0.5
3207071	Drill Core	4.94	92	14	4	3.8	1086.7	>40000>200000		272.8	86.4	38.4	1612	13.44	469	0.9	0.9	25	1070.3	347.9	<0.5
3207072	Drill Core	3.81	56	<3	7	1.1	83.2	>40000	143563	518.7	27.8	17.1	2641	4.67	27	<0.5	<0.5	199	822.9	655.8	<0.5
3207073	Drill Core	5.31	94	<3	<2	4.4	108.9	>40000	179752	566.5	34.1	26.8	1530	4.35	73	0.9	0.8	65	1007.0	662.1	<0.5
3207074	Drill Core	4.22	139	<3	7	7.0	549.4	>40000	121072	127.9	52.5	28.8	3188	10.88	190	1.4	2.2	188	544.4	158.2	<0.5
3207075	Drill Core	5.99	38	7	<2	4.7	41.8	3150.5	86	8.0	65.5	21.1	931	6.54	170	2.2	6.6	27	<0.5	23.2	<0.5
3207076	Drill Core	7.04	40	18	22	5.3	57.4	19921.3	73	32.8	77.7	20.7	2865	11.67	225	1.8	6.6	25	1.2	40.5	<0.5
3207077	Drill Core	6.07	23	<3	4	4.5	55.5	8214.6	53	15.0	57.1	15.2	3981	9.01	115	1.4	4.9	20	<0.5	20.0	<0.5
3207078	Drill Core	3.30	24	<3	<2	5.2	64.0	2569.0	64	5.3	72.3	19.7	2043	5.13	108	1.8	6.5	24	<0.5	13.0	<0.5



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:

September 18, 2018

Page:

2 of 3

Part:

2 of 3

CERTIFICATE OF ANALYSIS

WHI18000527.1

	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
3207049	Drill Core	28	0.17	0.059	25.7	7.8	0.43	436	0.003	0.45	<0.01	0.28	<0.5	<0.05	2.4	<0.5	1.18	<5	<2	72.60	7.78
3207050	Drill Core	36	0.14	0.059	27.5	9.4	0.37	427	0.002	0.47	<0.01	0.27	<0.5	0.05	2.9	<0.5	1.69	<5	3	71.20	8.57
3207051	Drill Core	41	0.15	0.057	26.3	9.6	0.53	471	0.003	0.49	<0.01	0.29	<0.5	0.11	3.0	<0.5	1.61	<5	3	68.20	7.42
3207052	Drill Core	41	0.18	0.064	26.1	9.2	0.58	415	0.003	0.42	<0.01	0.25	<0.5	<0.05	3.7	<0.5	1.47	<5	<2	67.60	7.36
3207053	Drill Core	46	0.17	0.064	34.2	9.7	0.33	576	0.003	0.60	<0.01	0.34	<0.5	0.09	3.4	<0.5	1.37	<5	<2	72.40	9.00
3207054	Drill Core	36	0.12	0.062	20.9	8.9	0.06	382	0.002	0.41	<0.01	0.22	<0.5	1.03	1.2	<0.5	3.48	<5	2	77.10	7.47
3207055	Drill Core	26	0.14	0.058	8.4	7.7	0.02	179	0.001	0.20	<0.01	0.12	<0.5	90.86	1.4	0.5	13.97	<5	7	47.10	2.87
3207056	Drill Core	24	0.13	0.065	11.4	7.9	0.02	188	0.001	0.20	<0.01	0.11	<0.5	58.58	0.5	<0.5	9.53	<5	4	58.90	3.43
3207057	Drill Core	29	0.13	0.061	10.8	7.8	0.02	223	0.002	0.22	<0.01	0.13	<0.5	53.35	0.7	<0.5	9.41	<5	7	58.20	3.57
3207058	Drill Core	37	0.13	0.063	10.9	8.9	0.02	249	0.002	0.25	<0.01	0.13	<0.5	53.11	0.6	2.9	12.74	<5	7	48.70	4.51
3207059	Drill Core	47	0.13	0.067	12.3	11.0	0.02	269	0.002	0.30	<0.01	0.16	<0.5	81.45	0.6	2.6	14.89	<5	10	35.60	5.28
3207060	Drill Core	20	0.07	0.037	6.3	5.5	0.01	126	<0.001	0.14	<0.01	0.08	<0.5	125.48	<0.5	<0.5	15.23	<5	7	41.90	2.22
3207061	Drill Core	26	0.06	0.037	8.0	6.3	0.02	183	0.001	0.19	<0.01	0.11	<0.5	70.16	0.5	0.5	9.57	<5	7	54.10	3.04
3207062	Drill Core	61	0.32	0.149	21.3	14.1	0.03	321	0.003	0.43	<0.01	0.23	<0.5	51.85	1.4	5.3	12.46	<5	13	44.60	9.33
3207063	Drill Core	19	0.03	0.017	3.0	4.4	0.01	162	<0.001	0.11	<0.01	0.05	<0.5	181.95	<0.5	0.6	22.09	<5	8	13.00	0.88
3207064	Drill Core	16	0.02	0.016	2.3	3.6	<0.01	159	<0.001	0.08	<0.01	0.04	<0.5	180.27	<0.5	0.6	22.71	<5	9	12.20	0.63
3207065	Rock	30	0.87	0.042	6.6	4.7	0.56	80	0.099	1.29	0.15	0.17	<0.5	0.07	4.9	<0.5	0.05	<5	<2	69.70	14.10
3207066	Drill Core	23	0.07	0.044	7.6	7.2	<0.01	182	0.001	0.17	<0.01	0.09	<0.5	145.15	<0.5	<0.5	16.14	<5	7	40.30	2.30
3207067	Rock Pulp	14	4.90	0.059	24.5	16.8	2.64	256	0.020	1.03	0.01	0.69	<0.5	0.99	3.1	43.9	7.89	<5	<2	38.20	7.67
3207068	Drill Core	24	0.10	0.048	7.6	6.9	0.01	217	0.002	0.18	<0.01	0.10	<0.5	82.30	<0.5	<0.5	11.82	<5	7	50.60	2.50
3207069	Drill Core	26	0.11	0.035	5.6	7.0	0.03	281	0.001	0.19	<0.01	0.12	<0.5	47.66	<0.5	0.6	14.36	<5	6	31.40	2.87
3207070	Drill Core	34	0.19	0.037	6.6	7.3	0.11	267	0.001	0.18	<0.01	0.11	<0.5	41.35	1.1	<0.5	12.61	<5	10	34.60	2.72
3207071	Drill Core	39	0.27	0.019	3.1	6.5	0.11	194	<0.001	0.19	<0.01	0.07	<0.5	55.60	2.0	0.7	21.46	<5	4	21.80	1.54
3207072	Drill Core	28	2.93	0.016	0.5	2.6	1.07	227	<0.001	0.05	<0.01	0.02	<0.5	54.24	1.0	<0.5	12.95	<5	3	13.90	0.40
3207073	Drill Core	31	0.90	0.029	2.4	5.1	0.32	285	<0.001	0.17	<0.01	0.10	<0.5	61.73	1.5	<0.5	14.53	<5	4	20.70	1.92
3207074	Drill Core	37	2.88	0.047	7.1	8.0	0.92	293	0.002	0.23	<0.01	0.14	<0.5	28.24	1.8	0.9	12.21	<5	8	35.40	3.30
3207075	Drill Core	36	0.14	0.067	29.1	9.9	0.03	526	0.003	0.53	<0.01	0.29	<0.5	0.33	1.7	<0.5	6.21	<5	3	67.30	10.00
3207076	Drill Core	43	0.23	0.062	24.2	10.7	0.06	509	0.003	0.60	<0.01	0.35	<0.5	0.23	2.3	<0.5	9.13	<5	8	54.80	9.12
3207077	Drill Core	33	0.27	0.063	26.1	7.7	0.12	457	0.003	0.44	<0.01	0.26	<0.5	0.14	2.9	<0.5	3.56	<5	3	64.40	7.66
3207078	Drill Core	38	0.20	0.071	29.2	9.9	0.13	539	0.003	0.55	<0.01	0.33	<0.5	0.19	2.6	<0.5	2.17	<5	3	70.60	9.59



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: September 18, 2018

Page: 2 of 3

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI18000527.1

Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	LF726	LF726
Analyte	Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	Pb	Zn
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02	0.1	0.1
3207049	Drill Core	8.00	0.19	0.88	2.16	0.23	0.44	0.13	<0.01	0.29	0.02	<0.01	<0.01	6.34	99.18	3.31	2.08	1.29	
3207050	Drill Core	8.12	0.17	0.82	2.35	0.21	0.48	0.13	0.01	0.32	<0.01	0.09	<0.01	6.52	99.11	2.96	2.14	1.85	
3207051	Drill Core	11.20	0.19	1.07	2.04	0.32	0.42	0.12	<0.01	0.28	0.01	0.20	<0.01	8.07	99.65	4.89	2.74	1.83	
3207052	Drill Core	11.60	0.23	1.16	2.04	0.38	0.41	0.14	<0.01	0.29	0.01	0.17	<0.01	8.33	99.82	5.28	2.83	1.65	
3207053	Drill Core	6.89	0.19	0.76	2.48	0.21	0.51	0.15	0.03	0.35	0.04	0.31	<0.01	5.98	99.45	2.72	2.03	1.53	
3207054	Drill Core	5.53	0.16	0.31	2.04	0.06	0.39	0.14	0.01	0.29	<0.01	0.58	0.35	5.01	99.68	0.57	1.48	3.63	
3207055	Drill Core	4.69	0.19	0.11	0.80	0.04	0.16	0.13	<0.01	0.10	0.03	4.00	>24	9.78	100.49	0.59	2.36	14.48	4.0
3207056	Drill Core	3.24	0.17	0.13	0.95	0.04	0.20	0.15	<0.01	0.13	0.01	4.41	15.98	7.53	99.56	0.39	2.18	10.35	
3207057	Drill Core	3.37	0.17	0.13	0.95	0.05	0.19	0.15	<0.01	0.13	0.01	5.70	15.26	7.33	99.40	0.40	1.96	9.84	
3207058	Drill Core	7.02	0.17	0.16	1.24	0.05	0.26	0.15	0.01	0.17	0.03	7.99	14.78	9.69	99.20	0.50	2.32	12.61	
3207059	Drill Core	5.77	0.17	0.17	1.47	0.05	0.34	0.16	0.01	0.19	0.02	11.79	20.80	11.32	99.19	0.35	2.96	15.48	
3207060	Drill Core	3.73	0.11	0.07	0.61	0.03	0.12	0.10	<0.01	0.08	0.01	7.53	>24	10.38	99.72	0.33	2.59	15.26	7.5
3207061	Drill Core	2.69	0.09	0.11	0.84	0.04	0.15	0.09	<0.01	0.11	0.02	11.33	14.78	7.49	99.38	0.40	2.53	10.10	
3207062	Drill Core	6.97	0.39	0.36	2.58	0.04	0.59	0.32	0.02	0.34	0.03	1.77	15.34	12.43	99.05	0.33	4.60	12.31	
3207063	Drill Core	3.12	0.05	0.02	0.25	0.03	0.04	0.04	<0.01	0.04	<0.01	24.88	>24	11.02	100.48	0.19	0.73	22.46	24.6
3207064	Drill Core	2.63	0.04	<0.01	0.17	0.02	0.02	0.03	<0.01	0.04	<0.01	23.68	>24	11.33	99.78	0.11	0.79	22.89	23.5
3207065	Rock	3.49	2.54	1.15	1.85	0.12	0.37	0.10	<0.01	0.08	<0.01	0.01	0.01	1.38	99.33	0.17	0.14	0.06	
3207066	Drill Core	3.32	0.12	0.06	0.61	0.03	0.14	0.09	<0.01	0.11	<0.01	5.03	>24	10.14	100.35	0.19	1.83	15.66	5.0
3207067	Rock Pulp	10.80	6.93	4.80	3.53	0.30	0.25	0.12	<0.01	0.08	0.04	3.57	5.02	15.51	98.43	8.50	3.37	8.14	
3207068	Drill Core	2.77	0.13	0.08	0.69	0.03	0.13	0.12	<0.01	0.12	0.02	9.23	19.76	8.00	99.74	0.27	1.74	12.21	
3207069	Drill Core	7.68	0.12	0.11	0.79	0.16	0.13	0.09	<0.01	0.17	0.03	>25	15.18	7.70	97.59	1.38	1.74	13.71	24.8
3207070	Drill Core	13.50	0.26	0.23	0.76	0.45	0.17	0.09	<0.01	0.12	0.05	10.68	18.07	13.15	100.13	5.07	3.37	13.14	
3207071	Drill Core	18.80	0.35	0.18	0.40	0.23	0.06	0.05	<0.01	0.06	0.10	14.21	19.92	15.81	99.52	2.22	1.91	22.30	
3207072	Drill Core	6.68	4.15	1.77	0.12	0.36	<0.01	0.04	<0.01	0.01	0.03	>25	13.98	6.75	92.82	5.38	2.60	12.40	38.1
3207073	Drill Core	6.04	1.20	0.55	0.53	0.21	0.05	0.07	<0.01	0.11	0.03	>25	17.43	4.29	92.93	2.70	1.95	13.88	33.1
3207074	Drill Core	15.80	4.07	1.63	0.91	0.42	0.20	0.11	<0.01	0.14	0.05	6.04	12.13	13.41	97.07	8.28	3.93	12.69	
3207075	Drill Core	9.60	0.20	0.33	2.74	0.12	0.53	0.15	<0.01	0.45	<0.01	0.30	<0.01	7.65	99.53	0.73	1.58	6.36	
3207076	Drill Core	17.40	0.27	0.34	2.51	0.35	0.53	0.14	0.01	0.38	<0.01	1.88	<0.01	11.25	99.23	2.88	2.30	9.57	
3207077	Drill Core	13.40	0.36	0.40	2.12	0.52	0.44	0.14	<0.01	0.31	<0.01	0.79	<0.01	8.61	99.30	4.51	2.59	3.97	
3207078	Drill Core	7.82	0.26	0.47	2.65	0.26	0.55	0.16	0.01	0.38	<0.01	0.26	<0.01	6.56	99.70	2.38	2.10	2.43	



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: September 18, 2018

Page: 3 of 3

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI18000527.1

	Method Analyte Unit MDL	WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
3207079	Drill Core	2.68	27	<3	8	5.4	68.7	2609.4	67	5.4	71.6	19.1	2170	5.39	110	1.9	6.5	24	<0.5	13.7	<0.5
3207080	Drill Core	5.84	29	11	8	5.6	51.6	1568.5	650	3.5	73.0	21.4	1781	4.93	99	2.0	6.9	25	3.2	12.7	<0.5
3207081	Drill Core	5.54	33	20	28	4.5	39.9	1404.9	342	3.2	72.8	18.4	2287	5.90	81	1.6	5.6	33	1.6	9.7	<0.5



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: September 18, 2018

Page: 3 of 3

Part: 2 of 3

CERTIFICATE OF ANALYSIS

WHI18000527.1

	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
3207079	Drill Core	35	0.22	0.070	29.9	9.3	0.13	483	0.003	0.51	<0.01	0.28	<0.5	0.15	2.8	<0.5	2.26	<5	5	69.90	9.92
3207080	Drill Core	46	0.19	0.069	32.7	10.5	0.27	582	0.003	0.64	<0.01	0.37	<0.5	0.30	2.7	<0.5	1.74	<5	5	68.80	10.90
3207081	Drill Core	39	0.15	0.066	27.4	8.6	0.42	395	0.002	0.46	<0.01	0.25	<0.5	0.17	2.7	<0.5	1.25	<5	<2	70.10	8.37



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: September 18, 2018

Page: 3 of 3

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI18000527.1

	Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	LF726	LF726
	Analyte	Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	Pb	Zn
	Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02	0.1	0.1
3207079	Drill Core	8.14	0.27	0.49	2.72	0.28	0.56	0.16	0.01	0.39	<0.01	0.25	<0.01	6.68	99.92	2.38	2.11	2.50		
3207080	Drill Core	7.58	0.24	0.72	2.99	0.25	0.61	0.17	0.01	0.43	<0.01	0.15	0.07	6.79	99.84	2.55	2.25	1.94		
3207081	Drill Core	8.83	0.25	0.93	2.28	0.30	0.47	0.16	<0.01	0.32	<0.01	0.13	0.03	7.08	99.41	3.65	2.39	1.42		



**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:

September 18, 2018

Page:

1 of 3

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000527.1

	Method Analyte Unit MDL	WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
Pulp Duplicates																					
3207051	Drill Core	3.49	9	3	5	3.9	144.2	2094.8	66	5.5	121.4	23.8	2535	7.57	67	1.5	5.5	16	0.6	11.8	<0.5
REP 3207051	QC																				
3207057	Drill Core	1.63	39	9	<2	8.7	95.8	>40000	156934	113.0	42.2	33.7	206	2.33	108	1.5	2.2	27	750.4	128.9	<0.5
REP 3207057	QC		44	<3	8																
3207062	Drill Core	4.11	33	<3	8	34.8	349.5	19434.5	162587	50.9	126.5	41.4	140	4.95	221	6.2	7.2	58	988.9	119.6	<0.5
REP 3207062	QC					35.2	358.4	19686.1	164729	51.1	122.1	42.0	136	4.99	224	6.3	7.0	59	1008.8	117.9	<0.5
3207069	Drill Core	4.50	53	<3	<2	7.9	237.5	>40000	154810	451.4	37.5	33.8	1063	5.49	221	2.2	1.9	19	743.0	522.8	<0.5
REP 3207069	QC																				
3207073	Drill Core	5.31	94	<3	<2	4.4	108.9	>40000	179752	566.5	34.1	26.8	1530	4.35	73	0.9	0.8	65	1007.0	662.1	<0.5
REP 3207073	QC																				
3207079	Drill Core	2.68	27	<3	8	5.4	68.7	2609.4	67	5.4	71.6	19.1	2170	5.39	110	1.9	6.5	24	<0.5	13.7	<0.5
REP 3207079	QC		20	7	<2																
Core Reject Duplicates																					
3207074	Drill Core	4.22	139	<3	7	7.0	549.4	>40000	121072	127.9	52.5	28.8	3188	10.88	190	1.4	2.2	188	544.4	158.2	<0.5
DUP 3207074	QC		140	<3	<2	7.0	559.6	>40000	120668	126.2	52.3	27.4	3118	10.89	197	1.4	2.2	177	552.4	158.4	<0.5
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD CPB-2	Standard																				
STD GBM309-15	Standard																				
STD GBM309-14	Standard																				
STD GBM398-4-AR	Standard					914.6	4089.6	11926.8	5384	48.1	4507.3	1922.9	5328	3.91	7	0.8	0.9	14	9.5	7.8	14.0
STD GBM398-4-AR	Standard					955.0	3966.9	12099.5	5428	51.2	4250.3	2062.7	5359	3.78	6	0.7	0.9	13	9.7	7.2	13.5
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS72B	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:

September 18, 2018

Page:

1 of 3

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000527.1

	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
Pulp Duplicates																					
3207051	Drill Core	41	0.15	0.057	26.3	9.6	0.53	471	0.003	0.49	<0.01	0.29	<0.5	0.11	3.0	<0.5	1.61	<5	3	68.20	7.42
REP 3207051	QC																			68.10	7.42
3207057	Drill Core	29	0.13	0.061	10.8	7.8	0.02	223	0.002	0.22	<0.01	0.13	<0.5	53.35	0.7	<0.5	9.41	<5	7	58.20	3.57
REP 3207057	QC																				
3207062	Drill Core	61	0.32	0.149	21.3	14.1	0.03	321	0.003	0.43	<0.01	0.23	<0.5	51.85	1.4	5.3	12.46	<5	13	44.60	9.33
REP 3207062	QC	61	0.29	0.149	23.2	14.4	0.03	348	0.003	0.42	<0.01	0.23	<0.5	53.46	1.0	5.3	12.68	<5	14		
3207069	Drill Core	26	0.11	0.035	5.6	7.0	0.03	281	0.001	0.19	<0.01	0.12	<0.5	47.66	<0.5	0.6	14.36	<5	6	31.40	2.87
REP 3207069	QC																				
3207073	Drill Core	31	0.90	0.029	2.4	5.1	0.32	285	<0.001	0.17	<0.01	0.10	<0.5	61.73	1.5	<0.5	14.53	<5	4	20.70	1.92
REP 3207073	QC																			20.60	1.91
3207079	Drill Core	35	0.22	0.070	29.9	9.3	0.13	483	0.003	0.51	<0.01	0.28	<0.5	0.15	2.8	<0.5	2.26	<5	5	69.90	9.92
REP 3207079	QC																				
Core Reject Duplicates																					
3207074	Drill Core	37	2.88	0.047	7.1	8.0	0.92	293	0.002	0.23	<0.01	0.14	<0.5	28.24	1.8	0.9	12.21	<5	8	35.40	3.30
DUP 3207074	QC	33	2.70	0.049	7.3	6.9	0.87	265	0.001	0.21	<0.01	0.13	<0.5	27.90	1.6	0.9	12.43	<5	6	35.60	3.41
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD CPB-2	Standard																				
STD GBM309-15	Standard																				
STD GBM309-14	Standard																				
STD GBM398-4-AR	Standard	19	0.36	0.021	3.2	2068.9	0.12	22	0.114	0.47	0.26	0.12	3.0	3.21	1.6	<0.5	0.93	<5	<2		
STD GBM398-4-AR	Standard	18	0.30	0.020	2.6	2054.4	0.12	20	0.106	0.44	0.25	0.11	3.0	3.29	1.9	<0.5	0.93	<5	<2		
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																			33.60	6.84
STD OREAS133B(D)	Standard																			33.60	6.82
STD OREAS72B	Standard																			51.20	8.95



**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:

September 18, 2018

Page:

1 of 3

Part:

3 of 3

QUALITY CONTROL REPORT

WHI18000527.1

Method		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	LF726	LF726
Analyte		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	Pb	Zn
Unit		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02	0.1	0.1
Pulp Duplicates																				
3207051	Drill Core	11.20	0.19	1.07	2.04	0.32	0.42	0.12	<0.01	0.28	0.01	0.20	<0.01	8.07	99.65	4.89	2.74	1.83		
REP 3207051	QC	11.10	0.19	1.05	2.06	0.32	0.41	0.12	<0.01	0.28	0.01	0.20	<0.01	8.07	99.44		2.72	1.86		
3207057	Drill Core	3.37	0.17	0.13	0.95	0.05	0.19	0.15	<0.01	0.13	0.01	5.70	15.26	7.33	99.40	0.40	1.96	9.84		
REP 3207057	QC																			
3207062	Drill Core	6.97	0.39	0.36	2.58	0.04	0.59	0.32	0.02	0.34	0.03	1.77	15.34	12.43	99.05	0.33	4.60	12.31		
REP 3207062	QC																			
3207069	Drill Core	7.68	0.12	0.11	0.79	0.16	0.13	0.09	<0.01	0.17	0.03	>25	15.18	7.70	97.59	1.38	1.74	13.71	24.8	15.3
REP 3207069	QC																			
3207073	Drill Core	6.04	1.20	0.55	0.53	0.21	0.05	0.07	<0.01	0.11	0.03	>25	17.43	4.29	92.93	2.70	1.95	13.88	33.1	17.8
REP 3207073	QC	6.04	1.20	0.56	0.54	0.22	0.05	0.07	<0.01	0.12	0.02	>25	17.35	4.29	92.84					
3207079	Drill Core	8.14	0.27	0.49	2.72	0.28	0.56	0.16	0.01	0.39	<0.01	0.25	<0.01	6.68	99.92	2.38	2.11	2.50		
REP 3207079	QC																			
Core Reject Duplicates																				
3207074	Drill Core	15.80	4.07	1.63	0.91	0.42	0.20	0.11	<0.01	0.14	0.05	6.04	12.13	13.41	97.07	8.28	3.93	12.69		
DUP 3207074	QC	15.50	3.78	1.52	0.95	0.40	0.21	0.11	<0.01	0.15	0.05	6.01	11.97	13.43	96.50	7.49	3.83	12.86		
Reference Materials																				
STD COO1	Standard																			
STD COO1	Standard																			
STD CPB-2	Standard																			
STD GBM309-15	Standard																			
STD GBM309-14	Standard																			
STD GBM398-4-AR	Standard																			
STD GBM398-4-AR	Standard																			
STD GS311-1	Standard																			
STD GS910-4	Standard																			
STD OREAS133B(D)	Standard	11.40	5.30	3.72	3.45	0.16	0.23	0.09	<0.01	0.07	0.03	5.06	11.33	13.00	97.45					
STD OREAS133B(D)	Standard	11.40	5.29	3.71	3.45	0.16	0.23	0.09	<0.01	0.07	0.03	5.04	11.33	13.00	97.40					
STD OREAS72B	Standard	9.84	3.99	15.90	1.32	0.15	0.35	0.06	0.15	0.03	0.02	<0.01	<0.01	5.12	98.40					



**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:

September 18, 2018

Page:

2 of 3

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000527.1

		WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5
STD OREAS72B	Standard																			
STD OREAS927-AR	Standard					1.0	10566.5	229.3	717	4.6	29.4	30.6	1187	7.89	15	1.7	12.6	15	1.1	1.2
STD OREAS927-AR	Standard					1.0	11003.1	224.9	731	4.4	30.5	30.1	1114	8.19	14	1.6	13.2	13	1.1	1.3
STD PD05	Standard		519	430	624															
STD PD05	Standard		521	427	611															
STD PG04	Standard		1025	946	1265															
STD PG04	Standard		1029	942	1257															
STD SY-4(D)	Standard																			
STD SY-4(D)	Standard																			
STD GS311-1 Expected																				
STD GS910-4 Expected																				
STD GBM309-15 Expected																				
STD COO1 Expected																				
STD SY-4(D) Expected																				
STD OREAS72B Expected																				
STD OREAS133B(D) Expected																				
STD CPB-2 Expected																				
STD GBM309-14 Expected																				
STD PD05 Expected			519	430	596															
STD PG04 Expected			1004	903	1196															
STD GBM398-4-AR Expected						917	3919	11750	5345	49.2	4135	1950	5260	3.95	6	0.7	0.8	13	9.2	7.2
STD OREAS927-AR Expected						1.06	10715	212	726	4.9	30.9	29.4	1110	8.15	13.5	1.7	12.5	13.1	1.1	1.3
BLK	Blank																			
SI BLK	Blank																			
BLK	Blank																			
SI BLK	Blank																			
SI BLK	Blank																			
BLK	Blank		3	<3	<2															
BLK	Blank		3	3	<2															



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

QUALITY CONTROL REPORT

WHI18000527.1

		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
STD OREAS72B	Standard																			51.40	8.99
STD OREAS927-AR	Standard	37	0.30	0.051	29.9	41.5	1.91	46	0.088	3.30	<0.01	0.27	4.4	0.19	4.3	<0.5	1.71	9	19		
STD OREAS927-AR	Standard	34	0.29	0.050	26.1	41.6	1.92	47	0.068	3.25	<0.01	0.27	4.8	0.11	5.3	<0.5	1.78	10	14		
STD PD05	Standard																				
STD PD05	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD SY-4(D)	Standard																			49.60	20.70
STD SY-4(D)	Standard																			49.50	20.60
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD GBM309-15 Expected																					
STD COO1 Expected																					
STD SY-4(D) Expected																				49.9	20.69
STD OREAS72B Expected																				51.16	8.97
STD OREAS133B(D) Expected																				33.83	6.91
STD CPB-2 Expected																					
STD GBM309-14 Expected																					
STD PD05 Expected																					
STD PG04 Expected																					
STD GBM398-4-AR Expected		24	0.34	0.02	2.8	1950	0.12	21	0.111	0.48	0.25	0.11	3	3.21	1.79		0.94		3		
STD OREAS927-AR Expected		34	0.3	0.054	26.9	41.7	1.94	51.4	0.085	3.25	0.011	0.27	4.9	0.12	4.74		1.77	9.09	15.5		
BLK	Blank																				
SI BLK	Blank																			98.90	0.33
BLK	Blank																				
SI BLK	Blank																			98.90	0.34
SI 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:

September 18, 2018

Page:

2 of 3

Part:

3 of 3

QUALITY CONTROL REPORT

WHI18000527.1

		LF725 Fe2O3 %	LF725 CaO %	LF725 MgO %	LF725 K2O %	LF725 MnO %	LF725 TiO2 %	LF725 P2O5 %	LF725 Cr2O3 %	LF725 Ba %	LF725 Cu %	LF725 Pb %	LF725 Zn %	LF725 LOI %	LF725 SUM_T %	TC006 CO2 %	TC000 TOT/C %	TC000 TOT/S %	LF726 Pb %	LF726 Zn %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02	0.1	0.1
STD OREAS72B	Standard	9.77	3.96	15.90	1.33	0.15	0.35	0.06	0.14	0.03	0.02	<0.01	<0.01	5.12	98.53					
STD OREAS927-AR	Standard																			
STD OREAS927-AR	Standard																			
STD PD05	Standard																			
STD PD05	Standard																			
STD PG04	Standard																			
STD PG04	Standard																			
STD SY-4(D)	Standard	6.11	8.00	0.53	1.66	0.10	0.29	0.15	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.79					
STD SY-4(D)	Standard	6.06	7.98	0.53	1.66	0.11	0.29	0.15	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.50					
STD GS311-1 Expected																	1.02	2.35		
STD GS910-4 Expected																	2.65	8.27		
STD GBM309-15 Expected																	0.22	28.84		
STD COO1 Expected																2.37				
STD SY-4(D) Expected		6.21		0.54	1.66	0.108	0.287	0.131		0.0345				4.56						
STD OREAS72B Expected		9.724	3.96	15.933	1.313	0.13	0.355	0.061	0.142	0.0335	0.0193			5.12						
STD OREAS133B(D) Expected		11.67	5.4	3.73						0.08	0.032	5.06	11.35							
STD CPB-2 Expected																			63.52	6.04
STD GBM309-14 Expected																			1.4982	22.7192
STD PD05 Expected																				
STD PG04 Expected																				
STD GBM398-4-AR Expected																				
STD OREAS927-AR Expected																				
BLK	Blank																<0.02	<0.02		
SI BLK	Blank	0.03	0.02	0.02	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.37					
BLK	Blank															<0.02				
SI BLK	Blank	<0.01	<0.01	0.03	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.33					
SI BLK	Blank																		<0.1	<0.1
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:

September 18, 2018

Page:

3 of 3

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000527.1

		WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
BLK	Blank					<0.5	<0.5	7.4	13	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank		3	<3	<2																
BLK	Blank		3	<3	3																
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
Prep Wash																					
ROCK-WHI	Prep Blank		<2	<3	<2	1.0	5.1	1.9	43	<0.5	<0.5	3.4	622	1.75	<5	0.6	2.6	54	<0.5	<0.5	<0.5
ROCK-WHI	Prep Blank		3	<3	<2	0.9	3.8	2.2	34	<0.5	0.7	3.8	630	1.76	<5	0.5	2.4	26	<0.5	<0.5	<0.5



**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:

September 18, 2018

Page:

3 of 3

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000527.1

		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
BLK	Blank	<10	<0.01	0.002	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	0.13	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
Prep Wash																					
ROCK-WHI	Prep Blank	23	0.73	0.044	7.7	2.0	0.47	103	0.098	1.14	0.17	0.13	<0.5	<0.05	3.9	<0.5	<0.05	<5	<2	70.90	14.00
ROCK-WHI	Prep Blank	24	0.67	0.042	7.4	1.8	0.44	69	0.093	1.01	0.12	0.13	<0.5	<0.05	3.6	<0.5	<0.05	<5	<2	70.80	13.90



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: September 18, 2018

Page: 3 of 3

Part: 3 of 3

QUALITY CONTROL REPORT

WHI18000527.1

		LF725 Fe2O3 %	LF725 CaO %	LF725 MgO %	LF725 K2O %	LF725 MnO %	LF725 TiO2 %	LF725 P2O5 %	LF725 Cr2O3 %	LF725 Ba %	LF725 Cu %	LF725 Pb %	LF725 Zn %	LF725 LOI %	LF725 SUM_T %	TC006 CO2 %	TC000 TOT/C %	TC000 TOT/S %	LF726 Pb %	LF726 Zn %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02	0.1	0.1
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
ROCK-WHI	Prep Blank	2.96	2.17	0.87	2.00	0.11	0.34	0.10	<0.01	0.09	<0.01	<0.01	<0.01	1.04	99.19	0.21	0.10	0.06		
ROCK-WHI	Prep Blank	2.93	2.22	0.87	1.98	0.11	0.34	0.10	<0.01	0.08	<0.01	<0.01	<0.01	1.05	98.96	0.26	0.10	0.06		