



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 27, 2018
Report Date: October 30, 2018
Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI18000747.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ18-BV-019
P.O. Number
Number of Samples: 69

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	68	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	1	Sort, label and box pulps			WHI
CRUBW	68	Extra clean rock wash between samples in crusher			WHI
PULSW	68	Extra Wash with Silica between each sample			WHI
FA330	69	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
EN002	69	Environmental disposal charge-Fire assay lead waste			VAN
AQ270	69	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	69	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC006	69	15% HClO4 leach, CO2 analysis by Leco	0.2	Completed	VAN
TC003	69	Analysis by Leco	0.1	Completed	VAN
SHP01	69	Per sample shipping charges for branch shipments			VAN
LF726	1	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 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:

October 30, 2018

Page:

2 of 4

Part:

1 of 3

CERTIFICATE OF ANALYSIS

WHI18000747.1

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
3207082	Drill Core	3.82	12	5	3	3.1	77.4	53.9	8	1.1	58.1	19.6	55	5.63	57	1.1	7.8	17	<0.5	20.9	<0.5
3207083	Drill Core	4.18	11	3	<2	1.8	110.5	23.8	33	0.9	40.2	10.2	745	3.85	30	0.6	2.3	13	<0.5	14.4	<0.5
3207084	Drill Core	10.33	84	7	4	11.6	271.8	63.1	22	1.6	55.9	9.9	161	5.13	96	1.8	3.8	9	<0.5	28.5	<0.5
3207085	Drill Core	2.28	32	7	3	3.4	68.5	19.4	13	<0.5	41.1	9.5	62	3.35	54	0.9	3.6	<5	<0.5	7.1	<0.5
3207086	Drill Core	4.46	25	<3	4	3.3	60.4	32.6	17	<0.5	40.3	9.2	45	3.12	53	1.6	4.0	29	<0.5	6.9	<0.5
3207087	Drill Core	5.84	39	4	<2	3.0	290.6	25.6	6	0.7	40.5	10.7	59	7.15	57	2.0	2.9	17	<0.5	11.2	<0.5
3207088	Drill Core	5.63	20	<3	4	1.3	148.0	16.0	6	<0.5	49.5	8.9	54	3.14	40	1.3	1.7	17	<0.5	6.1	<0.5
3207143	Drill Core	2.73	17	7	4	1.8	34.8	17.7	8	<0.5	43.8	9.2	170	1.70	50	0.7	1.7	36	<0.5	6.6	<0.5
3207144	Drill Core	2.77	17	<3	3	1.9	54.3	18.4	11	<0.5	43.1	8.7	158	1.71	50	0.8	1.7	33	<0.5	6.7	<0.5
3207145	Drill Core	3.23	32	8	8	2.3	59.9	37.7	17	0.7	44.9	12.0	502	6.28	42	0.6	1.6	16	<0.5	8.2	<0.5
3207146	Drill Core	3.15	86	13	10	20.0	81.0	100.5	23	1.8	87.5	12.0	323	4.26	137	2.3	4.3	49	<0.5	35.1	<0.5
3207147	Drill Core	2.31	51	3	6	24.2	101.2	150.0	43	2.3	95.3	12.0	319	3.65	96	3.0	5.0	70	0.7	48.6	<0.5
3207148	Drill Core	1.71	38	9	8	22.3	106.1	172.4	45	2.2	86.7	11.6	185	3.63	82	2.5	4.8	61	<0.5	47.8	<0.5
3207149	Drill Core	2.15	28	6	4	21.5	108.8	151.2	91	1.7	93.5	26.0	215	4.01	71	2.0	5.1	38	4.9	53.1	<0.5
3207151	Drill Core	2.24	9	<3	<2	7.1	29.2	43.8	150	1.8	45.1	8.5	1546	3.74	11	2.0	1.3	44	5.4	16.0	<0.5
3207152	Drill Core	2.29	62	5	4	17.6	66.7	121.1	50	1.5	71.7	10.1	173	3.43	45	1.6	2.8	42	5.2	36.6	<0.5
3207153	Drill Core	2.16	28	8	4	10.9	35.7	67.7	56	1.1	56.2	7.3	552	2.46	30	1.2	3.1	20	3.7	22.4	<0.5
3207154	Drill Core	2.88	14	<3	4	5.3	20.0	60.3	43	<0.5	28.9	4.3	241	2.36	16	1.4	1.2	53	3.6	22.9	<0.5
3207155	Drill Core	2.33	76	6	10	24.7	83.0	147.2	44	2.2	96.9	12.5	122	3.71	71	2.4	5.0	51	6.2	46.8	<0.5
3207156	Drill Core	1.27	10	<3	4	11.6	61.4	88.8	64	0.5	53.3	5.3	145	4.65	51	4.4	2.5	39	4.4	48.1	<0.5
3207157	Drill Core	2.21	28	7	6	25.6	77.4	114.6	180	1.4	99.3	12.3	276	3.72	64	2.2	5.0	43	5.3	35.5	<0.5
3207158	Drill Core	2.82	23	4	5	15.0	44.5	87.1	103	0.9	63.1	9.6	214	2.85	38	1.7	3.2	72	4.2	23.6	<0.5
3207159	Drill Core	2.13	70	5	2	22.4	72.8	145.9	274	2.5	107.9	14.9	643	4.69	68	2.8	3.6	41	7.3	47.2	<0.5
3207160	Drill Core	2.05	20	5	4	8.0	30.9	84.2	231	0.9	52.2	6.6	3189	6.64	28	2.6	1.5	56	6.3	22.0	<0.5
3207161	Rock	1.27	3	5	3	0.6	10.7	1.3	37	<0.5	1.2	5.3	695	2.18	<5	<0.5	1.7	32	<0.5	<0.5	<0.5
3207162	Drill Core	2.46	27	4	7	5.5	32.4	54.8	95	1.1	73.6	12.2	1016	7.97	52	1.6	4.4	29	1.5	14.6	<0.5
3207163	Drill Core	2.66	27	11	17	6.0	59.1	50.7	72	1.2	73.0	11.1	319	4.82	40	1.5	6.2	32	2.3	20.8	<0.5
3207164	Drill Core	2.61	7	4	5	5.3	55.1	42.7	9	0.9	63.7	10.9	197	5.25	36	1.4	5.5	25	<0.5	12.3	<0.5
3207165	Drill Core	2.73	6	<3	7	5.0	57.7	45.1	15	1.0	59.6	9.9	1451	5.57	32	1.6	5.9	25	<0.5	11.2	<0.5
3207166	Drill Core	2.47	7	<3	9	5.0	60.9	45.9	21	1.1	61.5	10.4	1635	4.42	25	1.5	6.2	30	<0.5	11.9	<0.5



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:

October 30, 2018

Page:

2 of 4

Part:

2 of 3

CERTIFICATE OF ANALYSIS

WHI18000747.1

	Method	Analyte	Unit	MDL	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	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01
3207082	Drill Core	23	0.05	0.040	29.1	12.1	0.02	319	0.004	0.59	<0.01	0.28	<0.5	0.14	3.0	<0.5	5.90	<5	3	65.80	13.00			
3207083	Drill Core	16	0.07	0.037	12.4	8.9	0.02	1143	0.003	0.33	<0.01	0.13	1.2	0.10	4.5	<0.5	2.42	<5	<2	84.40	4.27			
3207084	Drill Core	21	0.02	0.020	12.0	11.4	<0.01	598	0.002	0.31	<0.01	0.10	1.0	0.06	4.3	<0.5	4.63	<5	2	77.30	6.81			
3207085	Drill Core	18	<0.01	0.005	16.5	9.7	0.01	716	0.002	0.37	<0.01	0.16	<0.5	<0.05	4.9	<0.5	3.06	<5	<2	81.80	7.04			
3207086	Drill Core	17	0.01	0.029	20.8	10.0	<0.01	965	0.002	0.31	<0.01	0.13	<0.5	<0.05	4.0	<0.5	2.97	<5	3	80.60	7.86			
3207087	Drill Core	16	0.01	0.023	13.4	9.0	0.01	570	0.002	0.29	<0.01	0.14	<0.5	0.05	4.0	<0.5	7.27	<5	2	75.80	4.99			
3207088	Drill Core	<10	0.02	0.024	8.0	7.1	<0.01	649	0.002	0.23	<0.01	0.10	<0.5	<0.05	2.0	<0.5	2.91	<5	<2	87.10	3.48			
3207143	Drill Core	14	0.06	0.061	7.8	9.2	0.02	2779	0.002	0.31	<0.01	0.06	<0.5	0.11	1.0	<0.5	1.25	<5	<2	88.80	3.69			
3207144	Drill Core	15	0.05	0.061	8.2	8.6	<0.01	3093	0.002	0.33	<0.01	0.06	<0.5	0.07	1.9	<0.5	1.23	<5	<2	88.90	3.93			
3207145	Drill Core	24	0.06	0.039	8.6	9.7	<0.01	374	0.002	1.17	<0.01	0.06	<0.5	0.10	3.1	<0.5	5.15	<5	<2	78.10	3.60			
3207146	Drill Core	104	0.17	0.082	18.2	24.6	0.01	860	0.015	2.99	<0.01	0.14	<0.5	0.20	4.3	1.3	2.43	7	5	64.40	9.48			
3207147	Drill Core	73	0.30	0.147	20.8	19.7	0.01	1632	0.003	3.74	<0.01	0.14	<0.5	0.38	5.4	1.9	1.48	7	5	62.90	9.81			
3207148	Drill Core	98	0.25	0.130	22.6	26.9	0.01	2035	0.004	3.97	<0.01	0.13	<0.5	0.38	4.8	1.7	1.41	9	6	64.40	9.37			
3207149	Drill Core	419	0.04	0.032	19.9	86.0	<0.01	1465	0.132	3.62	<0.01	0.10	0.9	0.25	6.4	0.9	1.62	11	3	65.00	8.49			
3207151	Drill Core	77	0.05	0.019	4.4	18.5	<0.01	1793	0.022	1.13	<0.01	0.03	2.8	0.12	4.7	<0.5	0.99	<5	<2	17.40	2.44			
3207152	Drill Core	216	0.09	0.046	11.4	45.9	<0.01	1233	0.064	2.76	<0.01	0.08	1.0	0.41	5.0	1.0	1.40	8	3	33.60	5.64			
3207153	Drill Core	162	0.04	0.020	12.1	41.3	<0.01	>5000	0.050	2.65	<0.01	0.08	1.0	0.21	4.3	0.6	0.35	8	<2	41.30	5.27			
3207154	Drill Core	62	0.06	0.034	4.6	15.6	<0.01	2134	0.018	1.24	<0.01	0.05	1.6	0.09	4.8	<0.5	0.81	<5	<2	24.60	2.50			
3207155	Drill Core	333	0.14	0.078	24.7	91.0	<0.01	2800	0.100	4.49	<0.01	0.10	0.6	0.44	7.5	1.4	0.99	12	4	61.60	9.38			
3207156	Drill Core	186	0.09	0.073	7.1	42.6	<0.01	>5000	0.047	2.37	<0.01	0.06	2.0	0.13	19.5	<0.5	0.55	6	<2	74.50	4.95			
3207157	Drill Core	431	0.17	0.091	24.3	97.9	<0.01	>5000	0.131	4.98	<0.01	0.08	0.6	0.34	6.1	1.1	0.67	14	5	63.70	9.69			
3207158	Drill Core	232	0.42	0.039	15.6	59.4	<0.01	>5000	0.072	3.10	<0.01	0.06	<0.5	0.16	6.5	0.7	0.56	10	2	49.60	6.46			
3207159	Drill Core	189	0.09	0.023	11.6	49.9	<0.01	1489	0.051	3.25	<0.01	0.07	1.4	0.33	9.2	1.2	1.28	9	<2	49.00	7.67			
3207160	Drill Core	98	0.05	0.049	6.3	23.0	0.01	671	0.027	0.89	<0.01	0.02	2.4	0.06	10.6	<0.5	2.06	<5	<2	50.80	3.83			
3207161	Rock	32	0.95	0.044	5.8	4.3	0.59	431	0.104	1.19	0.11	0.11	<0.5	0.07	3.0	<0.5	<0.05	<5	<2	69.20	14.20			
3207162	Drill Core	202	0.03	0.033	14.7	51.0	<0.01	381	0.059	3.70	<0.01	0.14	<0.5	0.22	9.2	<0.5	4.81	11	4	58.40	9.16			
3207163	Drill Core	91	0.08	0.045	23.8	24.1	0.01	757	0.016	3.61	<0.01	0.16	<0.5	0.23	4.6	<0.5	2.88	7	4	64.70	9.51			
3207164	Drill Core	45	0.13	0.052	21.0	13.7	0.03	515	0.005	2.45	<0.01	0.23	<0.5	0.15	3.0	<0.5	4.24	<5	3	67.00	9.86			
3207165	Drill Core	41	0.23	0.071	21.9	12.6	0.15	660	0.005	1.61	<0.01	0.24	<0.5	0.22	3.4	<0.5	3.69	<5	3	67.80	9.36			
3207166	Drill Core	40	0.18	0.080	23.6	12.3	0.17	934	0.005	1.18	<0.01	0.26	<0.5	0.21	3.2	<0.5	2.51	<5	4	70.30	9.37			



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: October 30, 2018

Page: 2 of 4

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI18000747.1

Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	LF726
Analyte	Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	Cu
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
3207082	Drill Core	7.66	0.05	0.54	3.22	0.02	0.77	0.09	0.01	1.51	<0.01	<0.01	<0.01	6.26	99.19	0.03	0.82	5.89
3207083	Drill Core	5.06	0.09	0.19	0.99	0.09	0.23	0.08	<0.01	0.51	<0.01	<0.01	<0.01	3.05	99.06	0.57	0.63	2.40
3207084	Drill Core	6.80	0.01	0.20	1.32	0.03	0.36	0.04	0.01	0.71	0.02	<0.01	<0.01	5.46	99.22	0.10	1.31	4.67
3207085	Drill Core	4.48	<0.01	0.26	1.56	0.02	0.39	0.02	<0.01	0.59	<0.01	<0.01	<0.01	3.42	99.72	0.03	0.54	2.99
3207086	Drill Core	4.18	<0.01	0.28	1.68	0.02	0.43	0.08	0.01	0.65	<0.01	<0.01	<0.01	3.85	99.79	<0.02	0.59	2.98
3207087	Drill Core	9.25	<0.01	0.19	1.21	0.02	0.26	0.06	<0.01	0.40	<0.01	<0.01	<0.01	5.56	97.85	0.02	0.60	7.13
3207088	Drill Core	4.13	<0.01	0.14	0.81	0.02	0.17	0.06	<0.01	0.27	<0.01	<0.01	<0.01	2.45	98.70	0.02	0.23	2.93
3207143	Drill Core	2.34	0.08	0.11	0.42	0.03	0.19	0.17	<0.01	1.03	<0.01	<0.01	<0.01	2.37	99.38	0.08	0.46	1.40
3207144	Drill Core	2.32	0.08	0.12	0.45	0.03	0.20	0.16	<0.01	1.07	<0.01	<0.01	<0.01	2.41	99.83	0.07	0.48	1.37
3207145	Drill Core	8.20	0.08	0.07	0.25	0.06	0.20	0.10	<0.01	2.68	<0.01	<0.01	<0.01	4.98	98.67	0.30	0.62	5.79
3207146	Drill Core	5.69	0.22	0.12	0.61	0.05	0.50	0.25	0.01	8.08	0.01	<0.01	<0.01	8.32	98.71	0.30	2.76	4.37
3207147	Drill Core	4.96	0.41	0.17	0.82	0.05	0.52	0.32	0.02	9.95	0.01	0.01	<0.01	7.64	98.78	0.21	3.08	3.88
3207148	Drill Core	4.88	0.39	0.14	0.68	0.03	0.48	0.30	0.02	10.04	0.01	0.01	<0.01	7.20	99.13	0.12	3.16	3.84
3207149	Drill Core	5.36	0.04	0.04	0.19	0.04	0.50	0.21	0.02	11.29	0.02	0.01	<0.01	6.04	98.57	0.16	1.58	4.23
3207151	Drill Core	5.02	0.07	0.06	0.07	0.19	0.12	0.06	<0.01	42.20	<0.01	<0.01	0.02	3.67	76.21	1.31	0.53	11.13
3207152	Drill Core	4.51	0.11	0.05	0.20	0.03	0.28	0.16	<0.01	32.08	0.01	<0.01	<0.01	3.50	83.91	0.12	0.26	9.40
3207153	Drill Core	3.35	0.04	0.04	0.15	0.07	0.28	0.08	<0.01	29.48	0.01	<0.01	<0.01	2.80	86.32	0.40	0.37	7.35
3207154	Drill Core	3.17	0.07	0.05	0.10	0.04	0.12	0.10	<0.01	40.41	<0.01	<0.01	<0.01	2.06	77.91	0.15	0.12	10.35
3207155	Drill Core	4.94	0.18	0.05	0.40	0.02	0.47	0.21	0.02	13.80	<0.01	0.01	<0.01	4.92	97.63	0.02	1.15	4.30
3207156	Drill Core	6.13	0.10	0.04	0.16	0.02	0.21	0.18	<0.01	7.05	<0.01	<0.01	<0.01	3.85	98.06	0.02	0.43	2.12
3207157	Drill Core	5.05	0.25	0.04	0.20	0.04	0.49	0.22	0.02	12.90	0.01	<0.01	0.02	4.53	98.67	0.25	1.48	3.71
3207158	Drill Core	3.94	0.54	0.04	0.14	0.03	0.33	0.17	0.01	22.94	0.02	<0.01	0.01	3.58	90.50	0.70	0.93	5.96
3207159	Drill Core	6.36	0.09	0.04	0.22	0.08	0.38	0.14	0.01	20.43	0.01	<0.01	0.03	5.74	92.60	0.80	0.83	5.99
3207160	Drill Core	8.99	0.05	0.04	0.06	0.40	0.16	0.21	<0.01	17.65	0.04	<0.01	0.02	7.64	91.97	2.58	1.26	6.30
3207161	Rock	3.56	2.66	1.18	1.87	0.11	0.37	0.10	<0.01	0.12	<0.01	<0.01	<0.01	1.51	99.27	0.49	0.15	0.04
3207162	Drill Core	11.30	0.04	0.05	0.29	0.13	0.52	0.17	0.01	9.59	<0.01	<0.01	<0.01	8.22	99.02	0.66	1.17	7.25
3207163	Drill Core	6.45	0.10	0.20	0.85	0.05	0.57	0.12	0.01	8.79	<0.01	<0.01	<0.01	6.21	98.61	0.24	1.09	4.96
3207164	Drill Core	7.15	0.16	0.38	1.61	0.04	0.53	0.12	0.01	5.69	<0.01	<0.01	<0.01	5.86	99.09	0.10	1.01	5.51
3207165	Drill Core	7.73	0.25	0.61	1.91	0.18	0.52	0.17	0.01	3.79	<0.01	<0.01	<0.01	6.36	99.17	0.89	1.49	4.48
3207166	Drill Core	6.16	0.26	0.67	2.13	0.20	0.54	0.18	0.01	2.97	<0.01	<0.01	<0.01	5.85	99.03	1.05	1.57	2.98



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:

October 30, 2018

Page:

3 of 4

Part:

1 of 3

CERTIFICATE OF ANALYSIS

WHI18000747.1

	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
3207167	Drill Core	2.60	8	<3	5	6.3	55.6	49.0	13	1.4	70.0	11.4	354	2.74	28	1.6	6.8	24	<0.5	14.6	<0.5
3207168	Drill Core	2.78	7	8	3	4.2	87.3	52.4	36	1.3	60.9	9.4	1147	5.34	25	1.5	6.1	30	1.1	12.7	<0.5
3207169	Drill Core	2.66	6	<3	5	4.2	44.6	44.0	35	0.9	55.3	10.1	1240	4.22	25	1.5	5.4	38	0.7	9.9	<0.5
3207170	Drill Core	2.51	10	<3	5	9.1	45.8	61.2	13	1.6	63.5	11.2	330	3.83	36	1.7	5.8	30	<0.5	15.9	<0.5
3207171	Drill Core	2.54	9	4	7	6.2	44.0	69.5	7	1.4	64.3	13.5	313	3.85	37	1.7	5.6	27	<0.5	14.2	<0.5
3207172	Drill Core	2.69	20	<3	4	15.1	80.4	169.4	26	2.6	73.9	12.4	690	4.68	58	2.2	5.8	65	<0.5	23.7	<0.5
3207173	Drill Core	2.59	7	<3	5	5.7	59.9	159.9	11	1.7	54.1	12.0	807	5.49	44	1.8	4.3	19	<0.5	14.9	<0.5
3207174	Drill Core	3.07	10	<3	11	7.8	91.2	277.8	12	2.3	67.0	12.0	835	5.59	57	2.5	4.3	29	<0.5	19.5	<0.5
3207175	Drill Core	3.14	8	6	6	5.3	88.4	409.3	8	2.3	61.4	16.4	312	5.06	53	1.8	4.5	19	<0.5	15.7	<0.5
3207176	Drill Core	2.43	5	4	3	4.3	56.6	330.0	7	1.8	49.4	10.5	509	2.82	32	1.6	3.2	50	<0.5	12.2	<0.5
3207177	Drill Core	2.62	8	<3	5	6.6	67.6	727.6	9	3.3	55.8	10.5	354	4.82	47	1.8	4.1	43	<0.5	17.8	<0.5
3207178	Drill Core	2.68	7	<3	4	5.7	43.5	165.8	<5	1.7	52.4	11.1	146	2.95	45	1.8	4.2	31	<0.5	14.2	<0.5
3207179	Rock Pulp	0.09	7382	<3	5	70.6	95305.1	734.5	24875	96.4	10.1	747.9	547	31.74	1775	0.8	0.6	13	69.4	178.2	10.1
3207181	Drill Core	2.32	27	5	5	12.0	88.7	742.0	40	3.3	63.3	11.8	149	4.73	146	2.4	4.1	70	<0.5	27.1	<0.5
3207182	Drill Core	1.94	19	3	6	12.2	82.9	>40000	9132	55.3	53.9	18.9	443	4.53	129	2.1	2.4	57	48.3	76.0	<0.5
3207183	Drill Core	1.71	13	3	6	7.9	36.1	32246.0	422	30.8	51.1	32.8	136	2.63	177	1.7	2.8	40	3.4	57.9	<0.5
3207184	Drill Core	3.18	18	4	9	17.2	50.0	6591.7	3144	10.3	64.2	10.0	110	3.00	114	2.4	3.9	51	17.4	38.1	<0.5
3207185	Drill Core	2.35	19	8	10	13.4	109.9	37234.8	63351	52.5	47.1	12.7	505	1.81	97	1.7	2.6	226	336.6	100.9	<0.5
3207186	Drill Core	1.93	47	7	6	18.7	89.8	14624.9	31005	24.8	68.6	25.6	161	4.29	109	2.7	4.5	101	157.4	66.4	<0.5
3207187	Drill Core	1.86	31	<3	2	7.3	114.7	>40000	132171	127.0	15.6	15.7	168	1.47	55	1.2	1.1	75	796.7	183.2	<0.5
3207188	Drill Core	1.56	33	<3	3	3.3	92.3	>40000	120353	145.0	9.8	9.6	111	1.05	36	0.5	0.6	16	742.1	221.6	<0.5
3207189	Drill Core	1.75	68	<3	6	7.3	137.4	>40000	156544	99.3	29.2	19.9	348	2.76	72	1.7	1.6	75	954.3	180.6	<0.5
3207190	Drill Core	2.83	113	<3	2	5.0	156.7	>40000>200000	214.5	18.8	18.2	375	1.73	93	1.2	1.2	63	1370.5	378.6	<0.5	
3207191	Drill Core	2.40	42	<3	4	3.6	64.5	11722.6	11063	17.1	55.3	15.9	2161	10.31	119	0.8	2.2	42	59.1	33.9	<0.5
3207192	Drill Core	3.69	12	<3	3	2.8	78.7	64.3	225	0.8	51.5	12.2	2933	9.18	63	0.9	4.6	130	<0.5	17.7	<0.5
3207193	Drill Core	2.65	16	3	5	4.7	89.3	57.2	88	1.4	74.2	13.0	434	3.93	67	1.0	6.6	128	<0.5	15.1	<0.5
3207194	Drill Core	1.83	12	<3	4	3.2	105.7	50.9	124	1.1	69.3	12.9	535	5.38	62	1.0	6.3	153	<0.5	15.8	<0.5
3207195	Drill Core	3.56	11	<3	5	3.0	80.7	43.1	21	0.9	44.0	9.9	654	3.73	37	1.0	6.5	322	<0.5	8.9	<0.5
3207196	Drill Core	2.81	12	<3	7	3.2	85.7	39.8	14	0.8	71.4	11.6	470	3.37	52	0.8	7.0	170	<0.5	8.0	<0.5
3207197	Drill Core	2.55	14	<3	4	2.5	90.0	39.4	59	0.8	46.5	10.3	964	4.09	45	0.8	6.4	198	<0.5	5.9	<0.5



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:

October 30, 2018

Page:

3 of 4

Part:

2 of 3

CERTIFICATE OF ANALYSIS

WHI18000747.1

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	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01
3207167	Drill Core	42	0.13	0.062	25.8	12.3	0.07	1248	0.005	1.31	<0.01	0.26	<0.5	0.17	1.9	<0.5	1.91	<5	6	70.00	10.90
3207168	Drill Core	34	0.21	0.074	20.7	10.8	0.14	491	0.004	0.92	<0.01	0.25	<0.5	0.21	2.8	<0.5	3.82	<5	2	68.20	9.94
3207169	Drill Core	34	0.24	0.102	20.7	11.6	0.12	981	0.005	1.06	<0.01	0.24	<0.5	0.11	2.8	<0.5	2.50	<5	2	71.90	8.25
3207170	Drill Core	37	0.19	0.087	21.9	12.0	0.05	563	0.005	0.96	<0.01	0.24	<0.5	0.20	1.5	0.5	3.80	<5	2	70.40	9.68
3207171	Drill Core	40	0.13	0.069	22.5	10.9	0.05	529	0.004	0.87	<0.01	0.25	<0.5	0.32	1.5	<0.5	3.89	<5	<2	70.50	9.95
3207172	Drill Core	52	0.18	0.112	23.2	12.8	0.07	335	0.004	0.82	<0.01	0.23	<0.5	0.25	1.6	0.8	4.27	<5	4	65.30	10.80
3207173	Drill Core	42	0.12	0.054	18.3	11.8	0.09	367	0.004	1.16	<0.01	0.19	<0.5	0.18	2.1	0.5	5.06	<5	4	69.30	8.42
3207174	Drill Core	58	0.19	0.089	17.7	15.2	0.06	395	0.004	1.44	<0.01	0.23	<0.5	0.32	2.7	0.9	5.35	<5	4	67.00	9.14
3207175	Drill Core	43	0.13	0.053	18.0	10.7	0.03	432	0.004	1.56	<0.01	0.19	<0.5	0.25	2.8	<0.5	4.97	<5	3	68.30	9.13
3207176	Drill Core	39	0.19	0.051	15.2	12.5	0.05	1027	0.004	1.32	<0.01	0.15	<0.5	0.20	2.2	0.5	2.21	<5	<2	78.70	6.21
3207177	Drill Core	47	0.20	0.068	16.9	13.2	0.04	501	0.004	2.13	<0.01	0.16	<0.5	0.20	3.0	0.9	4.45	<5	3	69.70	8.07
3207178	Drill Core	44	0.14	0.057	17.6	12.5	0.02	1082	0.003	2.24	<0.01	0.14	<0.5	0.28	2.7	<0.5	2.04	<5	<2	73.70	8.02
3207179	Rock Pulp	35	1.51	0.003	3.7	13.1	0.83	12	0.021	0.92	<0.01	0.09	4.5	3.19	4.2	3.5	29.38	5	222	9.52	2.72
3207181	Drill Core	56	0.25	0.113	14.7	16.4	0.01	533	0.003	2.74	<0.01	0.18	<0.5	0.32	3.8	1.6	3.76	<5	3	67.30	8.12
3207182	Drill Core	67	0.18	0.086	8.8	15.2	0.01	367	0.006	1.99	<0.01	0.15	<0.5	3.76	3.1	1.6	4.79	<5	15	65.90	6.11
3207183	Drill Core	56	0.18	0.065	10.4	13.9	0.02	925	0.002	1.93	<0.01	0.09	<0.5	0.43	3.0	0.9	2.12	<5	9	75.80	5.17
3207184	Drill Core	99	0.20	0.090	14.7	21.9	0.02	1231	0.004	2.91	<0.01	0.11	<0.5	1.51	4.2	0.7	1.82	7	4	71.40	7.26
3207185	Drill Core	124	0.45	0.069	7.8	24.1	0.20	346	0.014	2.13	<0.01	0.08	<0.5	24.64	2.9	0.8	4.13	6	6	66.40	4.94
3207186	Drill Core	444	0.29	0.117	15.3	89.2	0.03	531	0.110	4.45	0.03	0.16	<0.5	10.75	4.0	5.9	3.68	15	4	59.10	8.47
3207187	Drill Core	170	0.14	0.026	4.1	38.1	0.05	173	0.055	0.75	<0.01	0.01	<0.5	65.32	1.8	0.9	8.84	6	7	60.10	1.49
3207188	Drill Core	53	0.03	0.010	1.8	16.2	<0.01	176	0.018	0.35	<0.01	<0.01	<0.5	60.05	0.5	0.6	8.12	<5	4	65.00	0.72
3207189	Drill Core	206	0.25	0.043	7.1	39.5	0.10	133	0.064	1.41	<0.01	0.02	<0.5	70.37	3.3	1.2	10.22	10	4	54.10	2.71
3207190	Drill Core	143	0.23	0.022	3.6	27.9	0.09	91	0.046	0.56	<0.01	0.01	<0.5	82.37	2.3	0.9	14.78	8	8	37.70	1.21
3207191	Drill Core	47	0.17	0.051	8.7	15.2	0.03	287	0.005	2.87	<0.01	0.15	<0.5	5.36	7.0	<0.5	6.78	7	3	55.70	6.76
3207192	Drill Core	26	0.36	0.065	16.7	7.8	0.12	323	0.003	0.63	<0.01	0.18	<0.5	0.16	5.1	<0.5	4.17	<5	<2	60.80	8.95
3207193	Drill Core	27	0.71	0.051	23.6	9.8	0.25	786	0.004	0.54	<0.01	0.29	<0.5	0.13	2.8	<0.5	3.77	<5	3	68.00	11.10
3207194	Drill Core	29	0.63	0.084	23.3	9.2	0.20	840	0.004	0.48	<0.01	0.27	<0.5	0.18	4.7	<0.5	4.80	<5	4	66.80	10.70
3207195	Drill Core	32	1.85	0.051	24.4	10.8	0.66	1142	0.004	0.57	<0.01	0.31	<0.5	0.25	4.6	<0.5	2.92	<5	<2	65.80	10.70
3207196	Drill Core	29	0.96	0.047	28.2	10.2	0.45	991	0.004	0.52	<0.01	0.29	<0.5	0.14	3.4	<0.5	2.08	<5	3	68.60	11.30
3207197	Drill Core	31	1.75	0.047	26.2	10.1	0.68	837	0.003	0.45	<0.01	0.25	<0.5	0.18	3.7	<0.5	1.10	<5	4	67.40	9.77



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: October 30, 2018

Page: 3 of 4

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI18000747.1

Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	LF726
Analyte	Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	Cu
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
3207167	Drill Core	4.11	0.18	0.58	2.44	0.05	0.61	0.14	0.01	4.41	<0.01	<0.01	<0.01	5.21	99.20	0.24	1.36	2.67
3207168	Drill Core	7.46	0.25	0.67	2.36	0.14	0.56	0.18	0.01	2.78	<0.01	<0.01	<0.01	6.39	99.32	0.92	1.40	4.30
3207169	Drill Core	5.84	0.30	0.53	1.86	0.15	0.46	0.22	<0.01	2.83	<0.01	<0.01	<0.01	5.19	97.90	0.81	1.37	3.04
3207170	Drill Core	5.85	0.26	0.49	2.28	0.05	0.54	0.20	<0.01	2.35	<0.01	<0.01	<0.01	5.62	98.07	0.22	1.61	4.11
3207171	Drill Core	5.93	0.20	0.53	2.39	0.05	0.56	0.17	0.01	2.24	<0.01	<0.01	<0.01	5.46	98.30	0.21	1.38	4.16
3207172	Drill Core	7.20	0.25	0.59	2.49	0.09	0.58	0.28	0.01	2.99	<0.01	0.01	<0.01	7.49	98.49	0.55	2.34	4.68
3207173	Drill Core	8.20	0.16	0.49	1.78	0.10	0.45	0.14	0.01	2.71	<0.01	0.01	<0.01	6.31	98.44	0.59	1.32	5.44
3207174	Drill Core	8.46	0.30	0.47	1.93	0.11	0.52	0.23	0.01	3.30	<0.01	0.03	<0.01	6.75	98.70	0.39	1.62	5.93
3207175	Drill Core	7.65	0.16	0.42	1.82	0.05	0.51	0.13	0.01	3.92	<0.01	0.04	<0.01	6.18	98.82	0.11	1.31	5.84
3207176	Drill Core	4.20	0.28	0.33	1.14	0.07	0.36	0.13	<0.01	3.15	<0.01	0.03	<0.01	3.93	98.94	0.23	1.19	2.92
3207177	Drill Core	7.09	0.28	0.33	1.26	0.05	0.45	0.17	<0.01	5.04	<0.01	0.08	<0.01	5.85	99.01	0.15	1.33	5.43
3207178	Drill Core	4.47	0.19	0.28	1.13	0.03	0.44	0.13	0.01	5.54	0.01	0.02	<0.01	4.33	98.98	0.04	1.23	3.35
3207179	Rock Pulp	46.50	2.34	1.49	0.29	0.08	0.10	0.03	<0.01	0.01	>8	0.07	2.48	20.48	99.02	1.22	0.77	31.88
3207181	Drill Core	6.93	0.36	0.18	0.99	0.03	0.44	0.29	0.03	6.89	<0.01	0.08	<0.01	6.38	98.87	0.06	2.02	5.23
3207182	Drill Core	6.36	0.27	0.12	0.73	0.06	0.29	0.21	0.01	5.04	<0.01	5.21	0.96	6.25	98.76	0.27	1.75	5.90
3207183	Drill Core	3.87	0.23	0.13	0.52	0.03	0.29	0.15	<0.01	4.64	<0.01	3.18	0.04	3.90	98.76	0.15	1.35	3.25
3207184	Drill Core	4.42	0.28	0.13	0.61	0.02	0.36	0.22	0.01	7.09	<0.01	0.68	0.34	5.19	98.99	0.09	2.12	3.45
3207185	Drill Core	2.65	0.58	0.40	0.37	0.07	0.27	0.16	<0.01	5.13	0.01	3.83	6.19	5.46	98.88	0.76	1.92	5.44
3207186	Drill Core	6.10	0.40	0.09	0.27	0.03	0.45	0.27	0.02	10.57	<0.01	1.54	3.03	6.28	98.74	0.20	2.59	6.32
3207187	Drill Core	2.18	0.20	0.09	0.05	0.03	0.12	0.07	<0.01	1.88	0.02	9.84	13.17	5.52	98.98	0.37	0.98	9.33
3207188	Drill Core	1.51	0.04	<0.01	0.04	0.03	0.04	0.03	<0.01	0.87	0.02	10.96	11.97	4.43	99.53	0.08	0.47	8.35
3207189	Drill Core	3.96	0.37	0.17	0.06	0.05	0.14	0.10	<0.01	3.45	0.02	6.89	15.50	6.70	98.95	0.53	1.00	11.46
3207190	Drill Core	2.54	0.31	0.16	0.06	0.06	0.10	0.06	<0.01	1.47	0.02	16.43	23.45	8.05	98.82	0.59	0.95	15.04
3207191	Drill Core	14.70	0.22	0.10	0.47	0.27	0.37	0.12	<0.01	7.10	<0.01	1.21	1.16	9.48	98.88	2.45	1.56	8.55
3207192	Drill Core	13.70	0.52	0.56	2.12	0.39	0.50	0.17	<0.01	2.20	<0.01	<0.01	0.02	8.84	99.12	3.67	2.13	4.36
3207193	Drill Core	6.08	1.02	0.93	2.97	0.06	0.62	0.13	0.01	1.23	0.03	<0.01	<0.01	6.02	98.43	1.41	1.29	3.84
3207194	Drill Core	8.10	0.88	0.81	2.88	0.07	0.59	0.19	<0.01	1.01	<0.01	<0.01	0.01	6.32	98.57	1.22	1.16	4.81
3207195	Drill Core	5.81	2.65	1.53	2.91	0.09	0.60	0.12	0.01	0.94	<0.01	<0.01	<0.01	6.69	98.01	2.00	1.92	2.99
3207196	Drill Core	5.51	1.41	1.28	3.04	0.07	0.63	0.12	0.01	0.98	<0.01	<0.01	<0.01	5.92	99.06	2.58	1.69	2.20
3207197	Drill Core	6.37	2.50	1.53	2.61	0.12	0.55	0.11	<0.01	0.78	0.02	<0.01	<0.01	6.72	98.64	4.61	2.31	1.13



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: October 30, 2018

Page: 4 of 4

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI18000747.1

	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
3207198	Drill Core	2.38	19	<3	6	2.7	81.1	34.1	35	0.8	46.0	11.2	798	4.05	46	0.7	7.1	33	<0.5	5.8	<0.5
3207199	Drill Core	2.32	17	<3	5	3.1	72.0	32.0	52	0.5	34.1	11.1	386	2.41	64	0.8	7.7	70	<0.5	5.3	<0.5
3207200	Drill Core	2.84	20	<3	3	2.6	80.6	27.7	20	0.6	40.2	10.5	620	3.69	39	0.8	7.4	40	<0.5	5.1	<0.5
3207201	Drill Core	2.76	15	<3	6	2.8	79.7	27.0	51	0.6	35.6	9.4	520	3.12	27	0.8	6.9	23	<0.5	5.5	<0.5
3207202	Drill Core	2.46	25	<3	6	3.0	83.0	25.6	18	0.7	40.5	10.1	574	3.17	26	0.8	7.1	17	<0.5	6.0	<0.5
3207203	Drill Core	2.28	22	<3	7	2.9	68.9	19.1	26	0.5	36.4	9.5	659	3.14	13	0.8	7.1	20	<0.5	5.9	<0.5
3207204	Drill Core	1.87	49	<3	8	20.9	95.4	156.6	60	2.1	82.3	10.7	385	3.61	71	2.3	4.7	81	<0.5	45.3	<0.5
3207150	Drill Core	2.68	8	<3	3	4.5	14.8	29.0	37	<0.5	25.5	4.2	201	0.97	9	0.7	0.8	23	1.8	7.4	<0.5
3207180	Drill Core	2.93	10	5	5	6.4	55.4	130.2	10	1.7	60.7	10.5	731	3.84	56	1.8	3.6	108	<0.5	17.5	<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: October 30, 2018

Page: 4 of 4

Part: 2 of 3

CERTIFICATE OF ANALYSIS

WHI18000747.1

	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
3207198	Drill Core	30	0.27	0.055	28.9	9.5	0.35	845	0.003	0.48	<0.01	0.29	<0.5	0.16	3.7	<0.5	0.99	<5	<2	68.70	11.60
3207199	Drill Core	34	0.55	0.054	32.1	11.7	0.36	1398	0.004	0.67	<0.01	0.38	<0.5	0.10	3.5	<0.5	0.62	<5	<2	70.70	11.90
3207200	Drill Core	31	0.37	0.043	31.0	9.5	0.39	845	0.004	0.52	<0.01	0.29	<0.5	0.17	3.0	<0.5	0.78	<5	<2	68.90	11.70
3207201	Drill Core	28	0.13	0.055	29.6	8.5	0.27	721	0.003	0.41	<0.01	0.25	<0.5	0.09	3.2	<0.5	0.70	<5	<2	71.10	11.60
3207202	Drill Core	30	0.13	0.048	30.9	9.8	0.27	736	0.003	0.46	<0.01	0.27	<0.5	0.16	2.9	<0.5	0.71	<5	<2	70.70	11.80
3207203	Drill Core	31	0.13	0.047	30.4	10.0	0.27	802	0.003	0.53	<0.01	0.31	<0.5	0.09	3.2	<0.5	0.51	<5	<2	71.50	11.60
3207204	Drill Core	308	0.20	0.083	17.4	69.0	<0.01	2148	0.089	4.26	<0.01	0.13	0.7	0.29	7.0	1.1	1.14	10	5	65.60	8.82
3207150	Drill Core	57	<0.01	0.008	3.3	13.9	<0.01	3920	0.018	0.81	<0.01	0.02	0.6	0.07	2.7	<0.5	0.47	<5	<2	13.80	2.04
3207180	Drill Core	41	0.39	0.090	14.8	10.5	0.09	1098	0.003	2.06	<0.01	0.12	<0.5	0.17	4.6	0.7	2.71	<5	3	74.90	6.65



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: October 30, 2018

Page: 4 of 4

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI18000747.1

Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	LF726
Analyte	Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	Cu
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	0.01	0.01	0.02	0.02	0.02	0.1
3207198	Drill Core	6.48	0.37	1.07	3.18	0.10	0.64	0.13	0.01	0.88	<0.01	<0.01	<0.01	5.93	99.27	2.89	1.71	1.01
3207199	Drill Core	4.09	0.79	1.09	3.29	0.06	0.65	0.12	0.01	0.89	0.03	<0.01	<0.01	5.24	99.03	2.35	1.53	0.62
3207200	Drill Core	5.95	0.53	1.15	3.24	0.09	0.65	0.12	0.01	0.82	<0.01	<0.01	<0.01	5.86	99.18	3.04	1.70	0.79
3207201	Drill Core	5.24	0.20	0.92	3.22	0.08	0.64	0.14	0.02	0.80	<0.01	<0.01	<0.01	4.99	99.11	2.20	1.49	0.73
3207202	Drill Core	5.24	0.18	0.91	3.26	0.08	0.64	0.12	0.01	0.77	<0.01	<0.01	<0.01	5.22	99.11	2.21	1.56	0.75
3207203	Drill Core	5.26	0.19	0.89	3.18	0.09	0.63	0.13	0.01	0.74	<0.01	<0.01	<0.01	5.27	99.65	2.30	1.61	0.52
3207204	Drill Core	5.29	0.27	0.06	0.30	0.06	0.46	0.23	0.01	11.02	<0.01	0.01	<0.01	5.53	98.98	0.17	2.45	3.75
3207150	Drill Core	1.61	<0.01	0.05	0.04	0.04	0.09	0.05	<0.01	48.12	<0.01	<0.01	<0.01	1.52	72.94	0.24	0.19	11.64
3207180	Drill Core	5.16	0.49	0.34	0.84	0.10	0.38	0.20	<0.01	5.01	<0.01	0.01	<0.01	4.81	99.49	0.27	1.40	3.83



**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:

October 30, 2018

Page:

1 of 5

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000747.1

	Method	WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
	Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	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
3207161	Rock	1.27	3	5	3	0.6	10.7	1.3	37	<0.5	1.2	5.3	695	2.18	<5	<0.5	1.7	32	<0.5	<0.5	<0.5
3207197	Drill Core	2.55	14	<3	4	2.5	90.0	39.4	59	0.8	46.5	10.3	964	4.09	45	0.8	6.4	198	<0.5	5.9	<0.5
Pulp Duplicates																					
3207083	Drill Core	4.18	11	3	<2	1.8	110.5	23.8	33	0.9	40.2	10.2	745	3.85	30	0.6	2.3	13	<0.5	14.4	<0.5
REP 3207083	QC																				
3207088	Drill Core	5.63	20	<3	4	1.3	148.0	16.0	6	<0.5	49.5	8.9	54	3.14	40	1.3	1.7	17	<0.5	6.1	<0.5
REP 3207088	QC																				
3207146	Drill Core	3.15	86	13	10	20.0	81.0	100.5	23	1.8	87.5	12.0	323	4.26	137	2.3	4.3	49	<0.5	35.1	<0.5
REP 3207146	QC																				
3207147	Drill Core	2.31	51	3	6	24.2	101.2	150.0	43	2.3	95.3	12.0	319	3.65	96	3.0	5.0	70	0.7	48.6	<0.5
REP 3207147	QC		48	<3	8																
3207154	Drill Core	2.88	14	<3	4	5.3	20.0	60.3	43	<0.5	28.9	4.3	241	2.36	16	1.4	1.2	53	3.6	22.9	<0.5
REP 3207154	QC																				
REP 3207165	QC		6	<3	8																
REP 3207165	QC					5.7	65.0	47.5	13	1.1	61.3	9.4	1639	5.89	32	1.4	5.4	27	<0.5	11.9	<0.5
3207171	Drill Core	2.54	9	4	7	6.2	44.0	69.5	7	1.4	64.3	13.5	313	3.85	37	1.7	5.6	27	<0.5	14.2	<0.5
REP 3207171	QC																				
3207176	Drill Core	2.43	5	4	3	4.3	56.6	330.0	7	1.8	49.4	10.5	509	2.82	32	1.6	3.2	50	<0.5	12.2	<0.5
REP 3207176	QC																				
3207179	Rock Pulp	0.09	7382	<3	5	70.6	95305.1	734.5	24875	96.4	10.1	747.9	547	31.74	1775	0.8	0.6	13	69.4	178.2	10.1
REP 3207179	QC																				
3207181	Drill Core	2.32	27	5	5	12.0	88.7	742.0	40	3.3	63.3	11.8	149	4.73	146	2.4	4.1	70	<0.5	27.1	<0.5
REP 3207181	QC																				
3207188	Drill Core	1.56	33	<3	3	3.3	92.3	>40000	120353	145.0	9.8	9.6	111	1.05	36	0.5	0.6	16	742.1	221.6	<0.5
REP 3207188	QC																				
3207199	Drill Core	2.32	17	<3	5	3.1	72.0	32.0	52	0.5	34.1	11.1	386	2.41	64	0.8	7.7	70	<0.5	5.3	<0.5
REP 3207199	QC		16	<3	3																
REP 3207200	QC																				
REP 3207200	QC					2.6	76.8	26.8	17	0.6	39.3	10.4	635	3.74	36	0.8	7.1	43	<0.5	4.9	<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:

October 30, 2018

Page:

1 of 5

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000747.1

	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
3207161	Rock	32	0.95	0.044	5.8	4.3	0.59	431	0.104	1.19	0.11	0.11	<0.5	0.07	3.0	<0.5	<0.05	<5	<2	69.20	14.20
3207197	Drill Core	31	1.75	0.047	26.2	10.1	0.68	837	0.003	0.45	<0.01	0.25	<0.5	0.18	3.7	<0.5	1.10	<5	4	67.40	9.77
Pulp Duplicates																					
3207083	Drill Core	16	0.07	0.037	12.4	8.9	0.02	1143	0.003	0.33	<0.01	0.13	1.2	0.10	4.5	<0.5	2.42	<5	<2	84.40	4.27
REP 3207083	QC																				
3207088	Drill Core	<10	0.02	0.024	8.0	7.1	<0.01	649	0.002	0.23	<0.01	0.10	<0.5	<0.05	2.0	<0.5	2.91	<5	<2	87.10	3.48
REP 3207088	QC																				
3207146	Drill Core	104	0.17	0.082	18.2	24.6	0.01	860	0.015	2.99	<0.01	0.14	<0.5	0.20	4.3	1.3	2.43	7	5	64.40	9.48
REP 3207146	QC																			64.40	9.47
3207147	Drill Core	73	0.30	0.147	20.8	19.7	0.01	1632	0.003	3.74	<0.01	0.14	<0.5	0.38	5.4	1.9	1.48	7	5	62.90	9.81
REP 3207147	QC																				
3207154	Drill Core	62	0.06	0.034	4.6	15.6	<0.01	2134	0.018	1.24	<0.01	0.05	1.6	0.09	4.8	<0.5	0.81	<5	<2	24.60	2.50
REP 3207154	QC																			24.70	2.51
REP 3207165	QC																				
REP 3207165	QC	35	0.20	0.075	19.0	10.6	0.17	594	0.004	1.53	<0.01	0.20	<0.5	0.22	3.5	<0.5	3.88	<5	3		
3207171	Drill Core	40	0.13	0.069	22.5	10.9	0.05	529	0.004	0.87	<0.01	0.25	<0.5	0.32	1.5	<0.5	3.89	<5	<2	70.50	9.95
REP 3207171	QC																				
3207176	Drill Core	39	0.19	0.051	15.2	12.5	0.05	1027	0.004	1.32	<0.01	0.15	<0.5	0.20	2.2	0.5	2.21	<5	<2	78.70	6.21
REP 3207176	QC																				
3207179	Rock Pulp	35	1.51	0.003	3.7	13.1	0.83	12	0.021	0.92	<0.01	0.09	4.5	3.19	4.2	3.5	29.38	5	222	9.52	2.72
REP 3207179	QC																				
3207181	Drill Core	56	0.25	0.113	14.7	16.4	0.01	533	0.003	2.74	<0.01	0.18	<0.5	0.32	3.8	1.6	3.76	<5	3	67.30	8.12
REP 3207181	QC																			67.30	8.14
3207188	Drill Core	53	0.03	0.010	1.8	16.2	<0.01	176	0.018	0.35	<0.01	<0.01	<0.5	60.05	0.5	0.6	8.12	<5	4	65.00	0.72
REP 3207188	QC																			65.00	0.71
3207199	Drill Core	34	0.55	0.054	32.1	11.7	0.36	1398	0.004	0.67	<0.01	0.38	<0.5	0.10	3.5	<0.5	0.62	<5	<2	70.70	11.90
REP 3207199	QC																				
REP 3207200	QC																				
REP 3207200	QC	32	0.39	0.047	31.8	9.8	0.43	893	0.003	0.56	<0.01	0.32	<0.5	0.15	3.2	<0.5	0.73	<5	<2		



**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:

October 30, 2018

Page:

1 of 5

Part:

3 of 3

QUALITY CONTROL REPORT

WHI18000747.1

Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	LF726
Analyte	Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	Cu
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
3207161 Rock	3.56	2.66	1.18	1.87	0.11	0.37	0.10	<0.01	0.12	<0.01	<0.01	<0.01	1.51	99.27	0.49	0.15	0.04	
3207197 Drill Core	6.37	2.50	1.53	2.61	0.12	0.55	0.11	<0.01	0.78	0.02	<0.01	<0.01	6.72	98.64	4.61	2.31	1.13	
Pulp Duplicates																		
3207083 Drill Core	5.06	0.09	0.19	0.99	0.09	0.23	0.08	<0.01	0.51	<0.01	<0.01	<0.01	3.05	99.06	0.57	0.63	2.40	
REP 3207083 QC															0.54			
3207088 Drill Core	4.13	<0.01	0.14	0.81	0.02	0.17	0.06	<0.01	0.27	<0.01	<0.01	<0.01	2.45	98.70	0.02	0.23	2.93	
REP 3207088 QC																0.23	2.93	
3207146 Drill Core	5.69	0.22	0.12	0.61	0.05	0.50	0.25	0.01	8.08	0.01	<0.01	<0.01	8.32	98.71	0.30	2.76	4.37	
REP 3207146 QC	5.71	0.22	0.12	0.61	0.05	0.50	0.25	0.01	8.03	<0.01	<0.01	<0.01	8.32	98.66				
3207147 Drill Core	4.96	0.41	0.17	0.82	0.05	0.52	0.32	0.02	9.95	0.01	0.01	<0.01	7.64	98.78	0.21	3.08	3.88	
REP 3207147 QC																		
3207154 Drill Core	3.17	0.07	0.05	0.10	0.04	0.12	0.10	<0.01	40.41	<0.01	<0.01	<0.01	2.06	77.91	0.15	0.12	10.35	
REP 3207154 QC	3.18	0.07	0.04	0.10	0.04	0.11	0.10	<0.01	40.41	0.01	<0.01	<0.01	2.06	78.02				
REP 3207165 QC																		
REP 3207165 QC																		
3207171 Drill Core	5.93	0.20	0.53	2.39	0.05	0.56	0.17	0.01	2.24	<0.01	<0.01	<0.01	5.46	98.30	0.21	1.38	4.16	
REP 3207171 QC															0.20			
3207176 Drill Core	4.20	0.28	0.33	1.14	0.07	0.36	0.13	<0.01	3.15	<0.01	0.03	<0.01	3.93	98.94	0.23	1.19	2.92	
REP 3207176 QC																1.20	2.92	
3207179 Rock Pulp	46.50	2.34	1.49	0.29	0.08	0.10	0.03	<0.01	0.01	>8	0.07	2.48	20.48	99.02	1.22	0.77	31.88	9.5
REP 3207179 QC																		9.4
3207181 Drill Core	6.93	0.36	0.18	0.99	0.03	0.44	0.29	0.03	6.89	<0.01	0.08	<0.01	6.38	98.87	0.06	2.02	5.23	
REP 3207181 QC	6.93	0.36	0.19	0.99	0.03	0.44	0.29	0.01	6.89	<0.01	0.08	<0.01	6.38	98.88				
3207188 Drill Core	1.51	0.04	<0.01	0.04	0.03	0.04	0.03	<0.01	0.87	0.02	10.96	11.97	4.43	99.53	0.08	0.47	8.35	
REP 3207188 QC	1.51	0.04	<0.01	0.03	0.03	0.04	0.03	<0.01	0.85	0.02	11.05	12.05	4.43	99.69				
3207199 Drill Core	4.09	0.79	1.09	3.29	0.06	0.65	0.12	0.01	0.89	0.03	<0.01	<0.01	5.24	99.03	2.35	1.53	0.62	
REP 3207199 QC																		
REP 3207200 QC															2.85			
REP 3207200 QC																		



**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:

October 30, 2018

Page:

2 of 5

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000747.1

		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
3207204	Drill Core	1.87	49	<3	8	20.9	95.4	156.6	60	2.1	82.3	10.7	385	3.61	71	2.3	4.7	81	<0.5	45.3	<0.5
REP 3207204	QC																				
3207150	Drill Core	2.68	8	<3	3	4.5	14.8	29.0	37	<0.5	25.5	4.2	201	0.97	9	0.7	0.8	23	1.8	7.4	<0.5
REP 3207150	QC		8	<3	5																
3207180	Drill Core	2.93	10	5	5	6.4	55.4	130.2	10	1.7	60.7	10.5	731	3.84	56	1.8	3.6	108	<0.5	17.5	<0.5
REP 3207180	QC					6.6	53.1	126.2	13	1.7	58.7	10.8	734	3.86	56	1.8	3.7	113	<0.5	17.2	<0.5
Core Reject Duplicates																					
3207165	Drill Core	2.73	6	<3	7	5.0	57.7	45.1	15	1.0	59.6	9.9	1451	5.57	32	1.6	5.9	25	<0.5	11.2	<0.5
DUP 3207165	QC		6	5	9	5.4	61.1	47.6	14	1.0	60.0	9.3	1551	5.90	32	1.5	5.5	27	<0.5	11.6	<0.5
3207200	Drill Core	2.84	20	<3	3	2.6	80.6	27.7	20	0.6	40.2	10.5	620	3.69	39	0.8	7.4	40	<0.5	5.1	<0.5
DUP 3207200	QC		17	<3	3	2.9	82.3	28.8	18	0.6	40.3	11.2	665	3.80	35	0.8	7.2	44	<0.5	5.3	<0.5
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD CZN-4	Standard																				
STD GBM309-15	Standard																				
STD GBM309-14	Standard																				
STD GBM398-4-AR	Standard					953.5	3989.2	12621.6	5362	49.2	4162.9	2058.4	5460	3.97	7	0.7	0.9	14	9.8	7.3	14.2
STD GBM398-4-AR	Standard					907.8	3895.1	11566.8	4850	50.2	4162.6	2020.3	5263	3.88	6	0.6	0.7	13	8.7	6.9	13.1
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	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:

October 30, 2018

Page:

2 of 5

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000747.1

		AQ270 V ppm 10	AQ270 Ca % 0.01	AQ270 P % 0.001	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
3207204	Drill Core	308	0.20	0.083	17.4	69.0	<0.01	2148	0.089	4.26	<0.01	0.13	0.7	0.29	7.0	1.1	1.14	10	5	65.60	8.82
REP 3207204	QC																			65.60	8.82
3207150	Drill Core	57	<0.01	0.008	3.3	13.9	<0.01	3920	0.018	0.81	<0.01	0.02	0.6	0.07	2.7	<0.5	0.47	<5	<2	13.80	2.04
REP 3207150	QC																				
3207180	Drill Core	41	0.39	0.090	14.8	10.5	0.09	1098	0.003	2.06	<0.01	0.12	<0.5	0.17	4.6	0.7	2.71	<5	3	74.90	6.65
REP 3207180	QC	42	0.36	0.086	14.0	10.4	0.09	978	0.003	2.07	<0.01	0.12	<0.5	0.15	4.4	0.6	2.72	<5	2		
Core Reject Duplicates																					
3207165	Drill Core	41	0.23	0.071	21.9	12.6	0.15	660	0.005	1.61	<0.01	0.24	<0.5	0.22	3.4	<0.5	3.69	<5	3	67.80	9.36
DUP 3207165	QC	40	0.19	0.076	21.2	11.9	0.17	597	0.004	1.59	<0.01	0.23	<0.5	0.31	4.2	<0.5	3.88	<5	3	67.00	9.38
3207200	Drill Core	31	0.37	0.043	31.0	9.5	0.39	845	0.004	0.52	<0.01	0.29	<0.5	0.17	3.0	<0.5	0.78	<5	<2	68.90	11.70
DUP 3207200	QC	32	0.38	0.047	32.5	10.8	0.44	957	0.004	0.58	<0.01	0.33	<0.5	<0.05	3.4	<0.5	0.74	<5	3	68.80	11.70
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD CZN-4	Standard																				
STD GBM309-15	Standard																				
STD GBM309-14	Standard																				
STD GBM398-4-AR	Standard	23	0.35	0.024	2.8	2108.0	0.13	19	0.113	0.50	0.26	0.10	2.7	3.21	2.2	<0.5	0.97	<5	4		
STD GBM398-4-AR	Standard	24	0.35	0.017	2.6	2045.8	0.12	20	0.111	0.50	0.25	0.10	2.7	2.98	1.6	<0.5	0.95	<5	<2		
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

QUALITY CONTROL REPORT

WHI18000747.1

		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	LF726
		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	Cu
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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
3207204	Drill Core	5.29	0.27	0.06	0.30	0.06	0.46	0.23	0.01	11.02	<0.01	0.01	<0.01	5.53	98.98	0.17	2.45	3.75	
REP 3207204	QC	5.31	0.27	0.05	0.30	0.06	0.47	0.23	0.01	11.02	<0.01	0.01	<0.01	5.53	98.99				
3207150	Drill Core	1.61	<0.01	0.05	0.04	0.04	0.09	0.05	<0.01	48.12	<0.01	<0.01	<0.01	1.52	72.94	0.24	0.19	11.64	
REP 3207150	QC																		
3207180	Drill Core	5.16	0.49	0.34	0.84	0.10	0.38	0.20	<0.01	5.01	<0.01	0.01	<0.01	4.81	99.49	0.27	1.40	3.83	
REP 3207180	QC																1.42	3.73	
Core Reject Duplicates																			
3207165	Drill Core	7.73	0.25	0.61	1.91	0.18	0.52	0.17	0.01	3.79	<0.01	<0.01	<0.01	6.36	99.17	0.89	1.49	4.48	
DUP 3207165	QC	8.19	0.24	0.65	1.92	0.19	0.53	0.16	0.01	3.82	<0.01	<0.01	<0.01	6.42	99.02	1.10	1.50	4.54	
3207200	Drill Core	5.95	0.53	1.15	3.24	0.09	0.65	0.12	0.01	0.82	<0.01	<0.01	<0.01	5.86	99.18	3.04	1.70	0.79	
DUP 3207200	QC	6.02	0.55	1.19	3.22	0.09	0.64	0.12	0.01	0.84	<0.01	<0.01	<0.01	5.80	99.14	3.12	1.76	0.73	
Reference Materials																			
STD COO1	Standard															2.34			
STD COO1	Standard															2.35			
STD COO1	Standard															2.46			
STD COO1	Standard															2.31			
STD COO1	Standard															2.40			
STD COO1	Standard															2.36			
STD CZN-4	Standard																		0.4
STD GBM309-15	Standard																0.25	27.43	
STD GBM309-14	Standard																		2.6
STD GBM398-4-AR	Standard																		
STD GBM398-4-AR	Standard																		
STD GS311-1	Standard																1.04	2.42	
STD GS311-1	Standard																1.06	2.35	
STD GS311-1	Standard																1.06	2.39	
STD GS910-4	Standard																2.79	8.83	
STD GS910-4	Standard																2.78	8.39	
STD GS910-4	Standard																2.84	8.22	



**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:

October 30, 2018

Page:

3 of 5

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000747.1

		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
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS135	Standard					8.7	295.9	18223.3	28334	54.8	36.9	30.0	4034	9.25	975	9.9	11.4	30	71.8	41.3	5.6
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard					4.5	48333.1	853.3	2042	>1000	1553.2	94.6	95	3.64	1773	0.8	2.3	49	13.4	299.5	19.6
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard					1.0	10931.0	229.0	744	4.3	29.4	30.2	1224	8.43	13	1.7	13.1	15	1.1	1.4	75.5
STD OREAS927-AR	Standard					1.2	10765.8	222.6	730	4.2	31.0	29.0	1157	8.32	12	1.6	13.1	13	1.2	1.3	71.8
STD PD05	Standard		516	438	626																
STD PD05	Standard		486	417	585																
STD PD05	Standard		522	447	625																
STD PD05	Standard		488	425	594																
STD PD05	Standard		506	436	614																
STD PG04	Standard		952	894	1196																
STD PG04	Standard		999	935	1267																
STD PG04	Standard		983	896	1233																
STD PG04	Standard		1002	937	1271																
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD GBM309-15 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD OREAS135 Expected						8.25	282	17000	28000	55.2	33.7	28	3960	8.97	883	8.89	9.67		61	38	4.35
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					



**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:

October 30, 2018

Page:

3 of 5

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000747.1

		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 OREAS133B(D)	Standard																			33.60	6.83
STD OREAS133B(D)	Standard																			33.60	6.82
STD OREAS135	Standard	33	1.92	0.093	41.3	22.7	0.82	422	0.028	1.07	0.02	0.50	3.1	1.30	3.4	6.4	7.27	<5	<2		
STD OREAS133B(D)	Standard																			33.70	6.82
STD OREAS605	Standard	<10	0.19	0.013	7.6	28.0	0.03	160	0.010	0.70	0.03	0.13	6.2	1.60	1.0	16.4	7.96	6	72		
STD OREAS72B	Standard																			51.30	8.97
STD OREAS72B	Standard																			51.30	8.98
STD OREAS72B	Standard																			51.40	8.96
STD OREAS927-AR	Standard	33	0.32	0.060	27.2	43.5	1.93	46	0.079	3.22	<0.01	0.27	5.2	0.12	4.6	<0.5	1.84	9	17		
STD OREAS927-AR	Standard	33	0.29	0.053	26.9	42.1	1.90	50	0.082	3.19	<0.01	0.26	4.5	0.09	4.7	<0.5	1.83	9	15		
STD PD05	Standard																				
STD PD05	Standard																				
STD PD05	Standard																				
STD PD05	Standard																				
STD PD05	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD SY-4(D)	Standard																			49.50	20.70
STD SY-4(D)	Standard																			49.40	20.60
STD SY-4(D)	Standard																			49.60	20.70
STD GBM309-15 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD OREAS135 Expected		33.4	1.83	0.086	39.8	22	0.833	366	0.026	1.09		0.487	2.93	1.21	3.51	6.61	7.08	5.25			
STD SY-4(D) Expected																				49.9	20.69
STD OREAS72B Expected																				51.16	8.97
STD OREAS133B(D) Expected																				33.83	6.91



**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:

October 30, 2018

Page:

3 of 5

Part:

3 of 3

QUALITY CONTROL REPORT

WHI18000747.1

		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 Cu %
		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
STD OREAS133B(D)	Standard	11.50	5.31	3.73	3.45	0.16	0.22	0.09	<0.01	0.07	0.03	5.06	11.33	13.00	97.57				
STD OREAS133B(D)	Standard	11.50	5.32	3.72	3.46	0.16	0.23	0.09	<0.01	0.07	0.03	5.06	11.33	13.00	97.58				
STD OREAS135	Standard																		
STD OREAS133B(D)	Standard	11.50	5.32	3.73	3.44	0.16	0.22	0.09	<0.01	0.07	0.03	5.05	11.33	13.00	97.63				
STD OREAS605	Standard																		
STD OREAS72B	Standard	9.80	3.97	15.90	1.32	0.14	0.35	0.06	0.14	0.03	0.02	<0.01	<0.01	5.12	98.44				
STD OREAS72B	Standard	9.82	3.98	15.80	1.33	0.14	0.35	0.06	0.14	0.03	0.02	<0.01	<0.01	5.12	98.40				
STD OREAS72B	Standard	9.83	3.98	15.90	1.32	0.14	0.34	0.06	0.14	0.04	0.02	<0.01	<0.01	5.12	98.57				
STD OREAS927-AR	Standard																		
STD OREAS927-AR	Standard																		
STD PD05	Standard																		
STD PD05	Standard																		
STD PD05	Standard																		
STD PD05	Standard																		
STD PD05	Standard																		
STD PG04	Standard																		
STD PG04	Standard																		
STD PG04	Standard																		
STD SY-4(D)	Standard	6.18	7.98	0.53	1.65	0.11	0.30	0.16	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.70				
STD SY-4(D)	Standard	6.15	8.00	0.53	1.66	0.11	0.30	0.16	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.49				
STD SY-4(D)	Standard	6.16	8.01	0.53	1.66	0.11	0.29	0.15	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.77				
STD GBM309-15 Expected																	0.22	28.84	
STD GS311-1 Expected																	1.02	2.35	
STD GS910-4 Expected																	2.65	8.27	
STD OREAS135 Expected																			
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						



**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:

October 30, 2018

Page:

4 of 5

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000747.1

		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	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				
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	66			
STD CZN-4 Expected																									
STD GBM309-14 Expected																									
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	12.9			
STD OREAS605 Expected							4.75	49800	856	2170	984	1538	93	86	3.75	1613	0.95						12.9	228	16.7
STD COO1 Expected																									
STD PD05 Expected		519			430	596																			
STD PG04 Expected		1004			903	1196																			
BLK	Blank																								
BLK	Blank																								
BLK	Blank																								
BLK	Blank	5			4	<2																			
BLK	Blank	3			4	<2																			
SI BLK	Blank																								
SI BLK	Blank																								
BLK	Blank						<0.5	1.4	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5			
SI 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			
SI BLK	Blank																								
BLK	Blank	4			<3	<2																			
BLK	Blank	4			<3	<2																			
BLK	Blank						<0.5	1.4	0.6	<5	<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	3																			
BLK	Blank																								
BLK	Blank	5			<3	3																			
BLK	Blank	<2			<3	<2																			
BLK	Blank																								
BLK	Blank	3			4	2																			



**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:

October 30, 2018

Page:

4 of 5

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000747.1

	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 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		
STD CZN-4 Expected																				
STD GBM309-14 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 OREAS605 Expected	8.33	0.182	0.0116	3.95	27.5	0.0289	184.8	0.01	0.73	0.0328	0.134	5.9		1.05	15.3	7.86		75		
STD COO1 Expected																				
STD PD05 Expected																				
STD PG04 Expected																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
SI BLK Blank																			99.00	0.33
SI BLK Blank																			98.70	0.33
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		
SI BLK Blank																			99.20	0.33
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		
SI BLK Blank																				
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	0.10	<0.5	<0.5	<0.05	<5	<2		
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank																				



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: October 30, 2018

Page: 4 of 5

Part: 3 of 3

QUALITY CONTROL REPORT

WHI18000747.1

		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	LF726	
		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	Cu
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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
STD OREAS927-AR Expected																			
STD CZN-4 Expected		0.403																	
STD GBM309-14 Expected		2.8025																	
STD GBM398-4-AR Expected																			
STD OREAS605 Expected																			
STD COO1 Expected		2.37																	
STD PD05 Expected																			
STD PG04 Expected																			
BLK	Blank	<0.02 <0.02																	
BLK	Blank	<0.02 <0.02																	
BLK	Blank	<0.02 <0.02																	
BLK	Blank																		
BLK	Blank																		
SI BLK	Blank	0.03	<0.01	0.03	<0.01	0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.46				
SI BLK	Blank	0.03	<0.01	0.03	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.14				
BLK	Blank																		
SI BLK	Blank	0.03	<0.01	0.03	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.60				
BLK	Blank	<0.02																	
BLK	Blank																		
SI BLK	Blank	<0.1																	
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	0.03																	
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.02																	
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:

October 30, 2018

Page:

5 of 5

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000747.1

		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		3	<3	<2																
Prep Wash																					
ROCK-WHI	Prep Blank		3	8	<2	1.3	3.9	1.3	36	<0.5	1.5	4.4	687	2.13	<5	<0.5	2.5	42	<0.5	<0.5	<0.5
ROCK-WHI	Prep Blank		3	7	<2	0.9	3.2	1.5	42	<0.5	1.9	4.0	671	2.16	<5	<0.5	2.3	35	<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:

October 30, 2018

Page:

5 of 5

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000747.1

		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
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	24	0.82	0.046	6.8	3.0	0.51	86	0.099	1.13	0.11	0.11	<0.5	<0.05	4.2	<0.5	0.06	5	<2	69.90	14.20
ROCK-WHI	Prep Blank	24	0.93	0.049	7.3	2.9	0.49	76	0.105	1.18	0.13	0.14	<0.5	<0.05	4.2	<0.5	0.07	<5	<2	70.10	14.00



**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:

October 30, 2018

Page:

5 of 5

Part:

3 of 3

QUALITY CONTROL REPORT

WHI18000747.1

		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 Cu %
		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
BLK	Blank																		
Prep Wash																			
ROCK-WHI	Prep Blank	3.32	2.40	0.98	1.95	0.11	0.37	0.09	<0.01	0.09	<0.01	<0.01	<0.01	1.35	99.28	0.31	0.11	0.04	
ROCK-WHI	Prep Blank	3.30	2.42	0.92	1.87	0.10	0.37	0.09	<0.01	0.08	<0.01	<0.01	<0.01	1.32	99.07	0.38	0.14	0.07	