



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 16, 2018
Report Date: September 20, 2018
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI18000648.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ18-BV-017
P.O. Number
Number of Samples: 56

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	55	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	1	Sort, label and box pulps			WHI
CRUBW	55	Extra clean rock wash between samples in crusher			WHI
PULSW	55	Extra Wash with Silica between each sample			WHI
FA330	55	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
EN002	56	Environmental disposal charge-Fire assay lead waste			VAN
AQ270	56	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	56	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC006	56	15% HClO4 leach, CO2 analysis by Leco	0.2	Completed	VAN
TC003	56	Analysis by Leco	0.1	Completed	VAN
SHP01	56	Per sample shipping charges for branch shipments			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 20, 2018

Page:

2 of 3

Part:

1 of 3

CERTIFICATE OF ANALYSIS

WHI18000648.1

	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
3208192	Drill Core	2.80	19	<3	20	16.0	53.2	77.1	769	0.7	68.0	6.6	182	2.30	38	1.8	3.7	65	4.3	13.5	<0.5
3208193	Drill Core	2.57	25	<3	15	12.7	59.0	102.3	708	0.7	72.2	7.8	549	4.09	48	1.9	3.4	159	2.0	16.2	<0.5
3208194	Drill Core	2.79	19	10	17	12.9	49.2	99.2	1697	0.6	75.0	9.1	772	3.89	43	2.0	3.6	158	1.9	12.6	<0.5
3208195	Drill Core	2.75	22	<3	8	17.1	51.6	75.5	363	0.6	73.1	6.2	168	2.46	39	2.3	3.7	65	0.6	13.4	<0.5
3208196	Drill Core	3.38	20	8	<2	18.4	56.6	105.3	292	0.8	82.5	5.8	93	2.22	53	2.5	4.5	33	0.8	17.5	<0.5
3208197	Drill Core	3.02	22	<3	13	11.1	52.9	82.6	122	0.7	62.7	5.5	88	2.32	56	2.1	4.6	49	<0.5	16.3	<0.5
3208198	Drill Core	1.94	21	<3	16	12.8	55.4	268.1	5083	0.7	61.4	5.3	74	2.39	57	1.6	4.2	54	15.7	16.8	<0.5
3208199	Drill Core	1.85	30	<3	5	10.7	68.6	23703.2	60817	5.5	45.1	10.5	821	2.80	93	1.8	3.4	759	255.7	46.7	<0.5
3208200	Drill Core	2.15	19	<3	8	6.8	38.5	31029.0	47489	6.0	12.6	5.0	402	0.88	62	1.1	1.4	4471	230.5	26.2	<0.5
3208201	Drill Core	2.04	20	<3	15	11.6	65.7	27001.9	71333	5.1	26.0	7.4	433	1.31	56	1.7	2.8	1039	267.6	18.5	<0.5
3208202	Drill Core	1.97	20	<3	4	14.0	72.5	16123.9	72972	3.7	30.4	9.0	764	1.85	52	1.5	2.5	324	219.3	15.4	<0.5
3208203	Drill Core	1.27	23	<3	10	14.0	89.8	6733.5	66499	1.8	66.1	9.0	199	3.48	90	1.9	4.0	72	200.0	11.6	<0.5
3208204	Drill Core	1.18	16	<3	9	8.2	43.7	31099.8	72427	5.3	75.5	9.4	1039	3.23	56	2.1	1.5	72	412.6	24.6	<0.5
3208205	Drill Core	1.98	13	<3	<2	15.5	72.1	8846.0	66825	2.4	88.1	12.7	196	3.92	82	1.3	2.4	65	189.0	14.3	<0.5
3208206	Drill Core	2.93	14	5	5	17.3	80.3	10950.1	77625	2.8	81.0	11.0	255	4.31	75	1.4	3.1	65	204.3	15.1	<0.5
3208207	Drill Core	1.69	13	<3	7	11.4	67.6	29250.8	94904	4.4	52.1	11.8	228	3.37	99	1.5	3.0	50	385.1	13.3	<0.5
3208208	Drill Core	1.24	6	4	<2	5.5	37.1	18104.1	67512	2.8	19.3	5.7	115	0.82	15	0.8	0.6	31	339.5	7.9	<0.5
3208209	Drill Core	2.59	20	3	9	12.5	87.5	30916.4	82382	8.1	53.4	11.0	293	2.15	45	1.6	2.2	83	354.4	29.5	<0.5
3208210	Drill Core	1.89	23	5	4	13.2	77.0	>40000	96468	12.3	45.7	14.8	726	2.38	52	1.4	2.4	57	358.7	31.5	<0.5
3208211	Drill Core	2.01	25	5	7	14.4	82.7	12485.2	120091	5.0	49.6	16.1	551	2.36	51	1.6	2.6	47	354.1	18.0	<0.5
3208212	Drill Core	1.70	43	<3	<2	11.7	96.2	>40000	151180	23.3	53.5	24.8	1799	4.78	129	1.6	2.0	34	446.7	50.2	<0.5
3208213	Drill Core	2.01	48	<3	3	12.2	106.3	>40000	125412	33.9	62.4	29.9	956	3.02	116	1.8	1.8	45	388.6	54.9	<0.5
3208214	Drill Core	1.98	15	5	6	6.4	58.1	16201.5	60558	6.7	111.7	46.6	11094	15.60	138	2.4	1.4	54	170.4	24.3	<0.5
3208215	Drill Core	2.08	47	<3	3	3.7	188.0	>40000	173003	30.2	37.7	27.3	6577	9.07	82	2.5	<0.5	43	773.6	81.5	<0.5
3208216	Drill Core	1.57	91	8	<2	5.1	165.4	>40000	193477	91.0	53.5	33.9	2061	5.25	88	1.6	0.7	53	826.0	164.3	<0.5
3208217	Drill Core	1.62	98	4	4	5.3	156.0	>40000>200000	75.9	46.7	32.3	2411	4.98	79	2.4	0.5	35	882.4	132.8	<0.5	
3208218	Drill Core	1.98	26	17	9	11.9	48.9	3747.3	1502	2.8	75.9	17.7	802	4.39	64	1.6	2.4	59	3.5	18.9	<0.5
3208219	Drill Core	2.96	35	15	13	17.4	57.0	1169.0	726	1.9	85.9	17.1	592	4.33	77	2.3	3.4	69	1.2	26.5	<0.5
3208220	Drill Core	2.32	39	3	16	18.6	49.3	1160.5	447	2.2	87.9	17.0	361	4.82	96	2.6	3.1	72	0.5	36.4	<0.5
3208221	Drill Core	1.85	32	<3	<2	5.3	75.4	1239.0	275	1.9	53.5	11.4	1030	5.52	53	1.3	3.6	38	1.3	45.0	<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 20, 2018

Page:

2 of 3

Part:

2 of 3

CERTIFICATE OF ANALYSIS

WHI18000648.1

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
3208192	Drill Core	102	0.66	0.097	12.0	19.3	0.24	>5000	0.004	2.76	<0.01	0.15	<0.5	0.17	5.6	1.6	0.91	<5	4	69.70	8.41
3208193	Drill Core	84	1.36	0.113	11.4	18.7	0.57	1537	0.003	2.70	<0.01	0.10	<0.5	0.10	5.8	2.0	2.31	<5	3	62.40	7.67
3208194	Drill Core	109	1.13	0.097	12.9	21.4	0.49	2888	0.003	2.56	<0.01	0.10	<0.5	0.15	5.9	1.3	1.51	<5	4	67.20	6.84
3208195	Drill Core	128	0.62	0.123	16.5	24.7	0.20	>5000	0.003	3.42	<0.01	0.09	<0.5	0.07	4.3	1.7	0.61	6	2	69.50	8.06
3208196	Drill Core	279	0.24	0.114	21.1	45.8	0.02	>5000	0.013	3.40	<0.01	0.10	<0.5	0.14	5.5	2.0	0.53	6	6	72.00	7.96
3208197	Drill Core	456	0.36	0.159	23.8	80.2	0.01	>5000	0.083	4.01	<0.01	0.11	0.6	0.08	5.1	1.7	0.42	6	4	70.60	8.30
3208198	Drill Core	617	0.20	0.102	22.0	116.2	<0.01	>5000	0.160	3.74	0.02	0.12	1.0	0.81	4.2	2.5	0.63	7	5	71.30	7.89
3208199	Drill Core	435	1.41	0.074	17.7	87.9	0.93	760	0.129	2.23	<0.01	0.05	0.6	9.61	14.5	6.6	2.84	10	16	49.30	4.46
3208200	Drill Core	166	6.80	0.022	6.0	31.9	0.33	>5000	0.051	0.53	<0.01	<0.01	<0.5	9.01	7.6	2.0	0.13	<5	9	33.30	1.08
3208201	Drill Core	328	3.48	0.078	15.1	62.5	0.10	894	0.096	1.66	<0.01	0.03	<0.5	13.77	5.5	3.6	2.13	9	7	47.00	3.30
3208202	Drill Core	388	3.34	0.056	11.0	76.4	0.38	497	0.115	1.87	<0.01	0.04	<0.5	15.06	8.4	4.0	3.70	8	8	55.50	3.70
3208203	Drill Core	633	0.18	0.091	16.4	131.1	<0.01	359	0.192	3.32	<0.01	0.05	<0.5	13.39	4.6	10.2	4.78	9	7	59.20	6.88
3208204	Drill Core	231	0.11	0.050	5.0	44.2	0.02	301	0.065	1.30	<0.01	0.02	1.3	15.29	4.2	2.3	4.48	6	5	54.40	2.64
3208205	Drill Core	427	0.16	0.072	10.3	81.8	0.02	214	0.125	1.99	<0.01	0.03	<0.5	14.57	2.4	4.5	5.76	7	5	58.10	4.08
3208206	Drill Core	519	0.18	0.075	13.6	95.3	0.02	238	0.153	2.02	<0.01	0.03	0.7	17.51	1.9	5.3	6.73	7	6	61.90	4.20
3208207	Drill Core	322	0.14	0.061	9.2	57.8	0.01	166	0.093	1.83	<0.01	0.03	0.6	16.54	1.3	6.0	7.28	7	5	51.70	3.81
3208208	Drill Core	63	0.04	0.023	2.6	17.4	<0.01	306	0.021	0.38	<0.01	<0.01	<0.5	10.91	<0.5	2.2	3.97	<5	3	46.90	0.96
3208209	Drill Core	327	0.15	0.074	10.1	77.0	<0.01	227	0.100	1.27	<0.01	0.02	1.1	21.37	1.1	3.1	5.74	7	8	54.50	2.89
3208210	Drill Core	390	0.12	0.053	8.1	74.4	<0.01	226	0.117	1.41	<0.01	0.03	0.7	31.44	1.1	3.1	5.85	12	9	55.50	2.94
3208211	Drill Core	480	0.17	0.075	10.3	92.3	<0.01	179	0.141	1.83	<0.01	0.05	<0.5	49.29	1.8	2.4	6.34	14	6	52.70	3.64
3208212	Drill Core	368	0.17	0.064	8.3	63.3	0.01	122	0.111	1.06	<0.01	0.03	0.7	67.21	2.1	3.3	10.09	12	14	40.70	2.18
3208213	Drill Core	387	0.14	0.064	7.3	73.9	<0.01	152	0.118	1.45	<0.01	0.03	0.6	62.11	1.8	4.2	8.66	12	17	40.30	2.89
3208214	Drill Core	205	0.31	0.061	4.2	38.5	0.06	224	0.049	0.84	<0.01	0.01	0.9	31.98	4.9	1.7	6.02	7	3	41.40	1.75
3208215	Drill Core	106	0.16	0.042	2.2	19.5	0.02	112	0.031	0.45	<0.01	<0.01	0.8	99.69	2.4	2.1	10.91	15	11	25.50	0.91
3208216	Drill Core	140	0.14	0.035	3.2	23.4	0.02	97	0.039	0.54	<0.01	0.01	0.6	85.82	3.3	2.0	14.12	14	18	28.20	1.13
3208217	Drill Core	141	0.22	0.028	2.4	26.4	0.02	81	0.040	0.51	<0.01	0.01	0.8	97.57	2.7	1.9	14.00	16	16	26.80	1.07
3208218	Drill Core	449	0.13	0.067	16.4	71.4	0.01	781	0.101	1.81	<0.01	0.06	<0.5	0.45	7.1	0.8	2.68	5	4	75.70	3.92
3208219	Drill Core	440	0.27	0.111	20.8	73.0	0.03	596	0.084	3.05	<0.01	0.12	0.5	0.24	5.7	0.8	2.28	8	6	69.90	6.59
3208220	Drill Core	438	0.29	0.129	15.8	73.7	0.01	327	0.051	1.79	<0.01	0.11	0.8	0.29	4.6	1.1	4.13	<5	5	69.20	6.58
3208221	Drill Core	76	0.13	0.069	12.7	16.8	0.02	480	0.006	0.54	<0.01	0.15	2.6	0.26	2.6	<0.5	5.33	<5	2	74.10	6.62



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 20, 2018

Page: 2 of 3

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI18000648.1

Method Analyte Unit MDL		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725
		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	TC006	TC000	TC000
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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	-5.11	0.01	0.02	0.02
3208192	Drill Core	3.27	0.95	0.61	0.92	0.04	0.43	0.23	0.02	7.22	<0.01	<0.01	0.08	6.57	99.36	0.90	2.80	2.38
3208193	Drill Core	5.80	1.93	1.14	0.66	0.08	0.39	0.28	0.01	8.18	<0.01	<0.01	0.07	8.68	98.32	1.94	3.06	4.30
3208194	Drill Core	5.54	1.61	0.96	0.50	0.11	0.36	0.23	0.01	6.80	<0.01	<0.01	0.17	7.93	99.12	2.16	2.95	3.11
3208195	Drill Core	3.54	0.91	0.47	0.48	0.04	0.42	0.29	0.02	8.60	<0.01	<0.01	0.04	5.95	99.38	0.75	2.58	2.44
3208196	Drill Core	3.14	0.37	0.13	0.39	0.03	0.44	0.26	0.02	8.39	<0.01	<0.01	0.03	5.13	99.30	0.07	2.37	2.18
3208197	Drill Core	3.22	0.49	0.07	0.22	0.03	0.41	0.37	0.02	9.86	<0.01	<0.01	0.01	4.35	99.14	0.04	2.07	2.18
3208198	Drill Core	3.33	0.32	0.06	0.28	0.03	0.45	0.25	0.02	9.59	0.02	0.03	0.49	4.07	99.39	0.02	2.23	2.54
3208199	Drill Core	4.16	2.06	1.61	0.10	0.11	0.31	0.18	0.01	13.35	0.01	2.59	6.22	6.99	94.74	4.51	3.31	6.20
3208200	Drill Core	1.34	9.82	0.52	0.03	0.06	0.12	0.05	<0.01	23.03	0.02	3.25	4.98	6.93	88.67	13.94	5.01	4.00
3208201	Drill Core	2.01	5.03	0.17	0.06	0.07	0.21	0.17	<0.01	15.05	0.01	2.88	7.37	3.38	90.49	5.02	3.17	5.81
3208202	Drill Core	2.77	4.84	0.68	0.06	0.11	0.24	0.13	<0.01	8.87	0.01	1.75	7.58	6.56	95.84	4.83	3.16	6.13
3208203	Drill Core	5.17	0.29	0.04	0.09	0.04	0.42	0.25	0.02	9.68	<0.01	0.73	6.76	6.52	98.92	0.04	1.69	7.36
3208204	Drill Core	4.76	0.17	0.05	0.04	0.14	0.15	0.12	<0.01	12.28	0.01	3.20	7.37	6.52	95.32	0.97	0.96	7.47
3208205	Drill Core	5.75	0.22	0.05	0.05	0.04	0.25	0.17	<0.01	10.75	0.01	0.92	6.76	6.50	96.63	0.08	1.08	8.71
3208206	Drill Core	6.33	0.25	0.05	0.05	0.05	0.30	0.19	0.01	6.83	<0.01	1.14	7.82	7.03	98.96	0.15	1.13	8.59
3208207	Drill Core	4.95	0.21	0.04	0.06	0.04	0.22	0.16	<0.01	12.01	<0.01	2.91	9.48	6.59	96.13	0.13	0.27	10.27
3208208	Drill Core	1.26	0.08	0.03	0.02	0.03	0.09	0.07	<0.01	21.95	<0.01	1.91	6.87	3.18	87.74	0.09	0.07	9.33
3208209	Drill Core	3.20	0.24	0.03	0.05	0.05	0.25	0.19	<0.01	12.19	0.01	3.12	8.43	6.03	94.90	0.16	0.57	9.02
3208210	Drill Core	3.47	0.19	0.02	0.06	0.10	0.25	0.13	<0.01	9.68	<0.01	4.13	9.48	6.45	96.18	0.55	1.14	8.51
3208211	Drill Core	3.50	0.26	0.05	0.07	0.08	0.30	0.19	0.01	11.11	0.01	1.30	12.05	6.73	96.35	0.46	1.30	9.39
3208212	Drill Core	6.94	0.25	0.03	0.04	0.26	0.22	0.16	<0.01	9.41	0.02	6.68	15.02	9.30	96.49	1.47	1.35	12.50
3208213	Drill Core	4.45	0.24	0.02	0.05	0.14	0.25	0.17	0.01	11.74	0.02	9.84	12.37	7.44	95.07	0.67	1.06	11.90
3208214	Drill Core	22.10	0.44	0.11	0.03	1.38	0.12	0.14	<0.01	5.30	<0.01	1.58	6.05	14.63	97.24	9.62	3.67	7.42
3208215	Drill Core	12.90	0.25	0.03	0.02	0.84	0.06	0.12	<0.01	11.74	0.02	7.17	17.11	11.20	93.98	4.94	1.96	13.86
3208216	Drill Core	7.60	0.24	0.02	0.03	0.29	0.07	0.10	<0.01	5.38	0.02	18.48	19.36	10.00	97.70	1.87	1.12	15.80
3208217	Drill Core	7.34	0.33	0.03	0.03	0.32	0.08	0.08	<0.01	6.56	0.02	16.16	20.72	10.47	97.10	2.03	1.16	15.57
3208218	Drill Core	6.53	0.23	0.04	0.09	0.11	0.25	0.16	0.01	5.49	<0.01	0.38	0.16	5.41	99.22	0.64	1.75	4.11
3208219	Drill Core	6.26	0.42	0.09	0.18	0.09	0.35	0.26	0.02	7.83	<0.01	0.12	0.07	6.07	99.23	0.49	2.33	4.31
3208220	Drill Core	7.26	0.46	0.06	0.26	0.06	0.37	0.34	0.04	5.46	<0.01	0.13	0.04	8.17	99.14	0.26	2.66	5.64
3208221	Drill Core	8.45	0.22	0.29	1.33	0.14	0.37	0.17	<0.01	0.78	<0.01	0.13	0.03	6.65	99.46	0.56	1.56	5.67



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 20, 2018

Page: 3 of 3

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI18000648.1

	Method	Analyte	Unit	MDL	WGHT	FA330	FA330	FA330	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
3208222	Drill Core	3.74	33	<3	<2	4.6	92.2	408.5	489	1.0	67.3	14.8	1015	7.20	61	1.7	4.9	44	0.8	28.2	<0.5			
3208223	Drill Core	3.65	26	8	13	5.4	78.9	88.1	341	1.0	64.9	11.8	945	5.64	57	1.5	5.5	40	0.8	17.2	<0.5			
3208224	Drill Core	3.29	20	9	<2	6.0	78.2	85.9	141	1.3	67.8	11.3	546	4.53	46	1.6	6.1	41	<0.5	16.6	<0.5			
3208225	Drill Core	3.34	23	21	6	5.6	69.2	70.1	143	1.2	63.8	11.0	417	4.42	40	1.6	6.4	35	<0.5	14.9	<0.5			
3208226	Drill Core	3.79	26	7	4	5.4	67.8	58.7	230	1.2	69.4	11.6	611	4.29	46	1.9	6.0	52	1.5	17.2	<0.5			
3208065	Drill Core	1.59	18	13	6	18.1	40.6	51.9	1303	0.5	64.1	6.8	310	2.17	33	1.8	3.4	80	4.1	12.2	<0.5			
3208066	Drill Core	1.78	18	12	<2	17.3	51.8	48.8	517	0.6	63.3	5.9	118	1.40	35	1.9	3.6	36	3.7	15.3	<0.5			
3208067	Drill Core	1.89	32	8	9	17.0	53.2	65.7	1079	0.7	69.3	6.9	201	1.94	40	2.1	3.7	34	4.2	18.3	<0.5			
3208068	Drill Core	2.14	34	20	9	16.0	62.7	85.2	1510	0.8	75.6	7.5	839	3.09	59	2.0	3.8	56	4.4	28.2	<0.5			
3208069	Drill Core	2.55	42	12	2	13.7	50.5	68.7	1826	0.6	77.8	8.8	1030	3.31	42	2.1	3.1	46	3.1	24.3	<0.5			
3208070	Drill Core	2.62	34	14	8	16.2	49.6	68.1	471	0.7	63.9	5.6	201	2.09	45	2.4	3.1	59	3.7	25.1	<0.5			
3208071	Drill Core	1.73	30	13	28	11.9	508.1	170.7	3561	3.6	70.4	6.1	570	2.38	154	1.9	3.5	88	15.1	231.9	<0.5			
3208072	Drill Core	1.89	36	9	6	8.6	127.8	13593.6	54954	9.1	41.0	9.0	1145	2.69	92	1.8	2.4	539	280.7	242.6	<0.5			
3208073	Rock	1.56	3	<3	<2	0.6	9.1	4.1	49	<0.5	1.6	4.8	595	1.87	<5	<0.5	1.8	25	<0.5	<0.5	<0.5			
3208074	Drill Core	2.16	87	<3	12	9.8	79.4	29063.8	122077	11.2	36.3	12.4	1101	4.85	94	1.7	1.7	267	629.4	79.2	<0.5			
3208075	Rock Pulp	0.03	I.S.	I.S.	I.S.	3.1	339.0	>40000	106667	97.6	23.7	24.6	1253	7.66	141	1.5	6.2	15	327.9	168.7	0.6			
3208076	Drill Core	2.81	35	10	15	16.9	47.4	435.0	2387	0.8	69.5	8.8	114	2.43	52	2.2	4.7	78	8.7	29.3	<0.5			
3208077	Drill Core	3.04	32	<3	15	16.3	51.5	760.6	2508	1.0	67.6	8.9	143	2.69	58	2.4	4.9	108	9.7	31.1	<0.5			
3208078	Drill Core	1.93	36	<3	13	16.5	44.0	544.5	282	1.3	73.8	13.4	158	2.75	59	2.1	3.6	60	2.1	24.5	<0.5			
3208079	Drill Core	1.98	34	<3	3	18.4	61.4	299.1	888	1.1	80.1	18.8	222	3.10	74	2.2	3.5	44	1.2	34.9	<0.5			
3208080	Drill Core	2.94	31	15	20	14.3	124.7	4631.4	1095	4.9	69.2	16.9	406	2.35	68	1.6	3.3	37	1.6	70.2	<0.5			
3208081	Drill Core	2.11	57	<3	6	16.9	67.5	197.9	2113	1.8	79.7	8.4	1010	3.64	84	2.7	4.1	105	0.8	41.2	<0.5			
3208082	Drill Core	2.31	35	<3	4	17.2	59.6	551.5	2496	2.2	73.3	10.5	628	3.29	60	2.8	3.6	29	5.2	34.6	<0.5			
3208083	Drill Core	2.50	42	16	4	12.4	65.1	270.8	1859	1.5	73.8	13.8	510	3.63	59	1.9	4.7	35	4.7	36.1	<0.5			
3208084	Drill Core	3.12	37	<3	<2	4.1	79.0	9997.2	1043	7.1	58.8	16.0	1222	5.90	51	1.5	5.3	44	2.0	39.4	<0.5			
3208085	Drill Core	1.56	41	4	5	4.1	66.1	2749.2	768	2.7	58.0	13.1	1559	5.47	46	1.5	5.8	40	<0.5	34.7	<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 20, 2018

Page:

3 of 3

Part:

2 of 3

CERTIFICATE OF ANALYSIS

WHI18000648.1

	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	Ti	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
3208222	Drill Core	37	0.16	0.075	15.6	9.7	0.03	223	0.004	0.53	<0.01	0.21	<0.5	0.17	2.3	0.6	7.03	<5	2	66.00	8.87
3208223	Drill Core	33	0.17	0.077	18.2	9.0	0.03	1053	0.004	0.51	<0.01	0.25	<0.5	0.13	2.7	0.6	5.26	<5	4	69.90	9.74
3208224	Drill Core	33	0.19	0.088	21.0	9.2	0.03	1027	0.005	0.48	<0.01	0.26	<0.5	0.10	2.1	0.6	4.46	<5	4	72.00	9.82
3208225	Drill Core	40	0.16	0.069	21.7	11.7	0.03	883	0.004	0.64	<0.01	0.32	<0.5	0.14	2.3	0.6	4.71	<5	2	70.80	10.30
3208226	Drill Core	32	0.18	0.102	20.3	8.8	0.03	812	0.003	0.55	<0.01	0.24	<0.5	0.13	2.9	0.6	4.35	<5	3	71.70	9.75
3208065	Drill Core	115	0.93	0.101	9.6	20.4	0.35	3070	0.007	1.84	<0.01	0.17	<0.5	0.10	3.9	0.8	1.09	<5	4	72.30	7.46
3208066	Drill Core	103	0.33	0.086	10.5	17.8	0.09	>5000	0.004	2.09	<0.01	0.15	<0.5	0.08	3.7	0.9	0.55	<5	4	75.20	7.66
3208067	Drill Core	135	0.34	0.090	14.0	21.1	0.09	>5000	0.004	2.59	<0.01	0.13	<0.5	0.15	4.4	1.2	0.69	<5	5	73.10	7.88
3208068	Drill Core	138	0.33	0.101	13.8	24.8	0.08	1652	0.008	2.72	<0.01	0.19	<0.5	0.16	5.6	1.4	1.35	<5	3	70.40	7.93
3208069	Drill Core	96	0.34	0.120	12.5	21.2	0.06	1913	0.003	2.83	<0.01	0.11	<0.5	0.12	5.3	1.2	1.20	<5	3	68.80	7.84
3208070	Drill Core	212	0.60	0.114	15.1	37.5	0.20	>5000	0.018	3.16	<0.01	0.11	<0.5	0.11	5.8	1.2	0.50	5	2	71.70	7.33
3208071	Drill Core	516	0.23	0.119	15.1	102.1	<0.01	>5000	0.140	3.36	<0.01	0.12	1.6	0.83	6.2	1.4	0.50	7	3	72.70	7.04
3208072	Drill Core	369	1.95	0.056	9.2	68.9	1.01	353	0.104	1.99	<0.01	0.11	1.6	11.22	8.4	1.4	4.17	9	18	62.50	4.25
3208073	Rock	31	0.88	0.041	5.0	3.7	0.54	99	0.093	0.99	0.06	0.07	<0.5	<0.05	3.4	<0.5	<0.05	<5	<2	69.40	14.20
3208074	Drill Core	257	1.23	0.044	5.8	51.5	0.62	151	0.077	1.86	<0.01	0.07	0.5	18.88	10.0	4.8	9.98	15	15	50.50	3.65
3208075	Rock Pulp	10	3.76	0.041	18.6	11.9	2.04	88	0.011	0.72	<0.01	0.44	<0.5	5.18	2.4	45.7	10.84	<5	<2	34.30	6.98
3208076	Drill Core	501	0.29	0.115	24.0	97.9	0.02	>5000	0.135	4.25	0.02	0.16	0.7	0.54	5.1	1.4	0.53	9	2	70.30	8.21
3208077	Drill Core	553	0.29	0.119	24.2	101.0	0.03	>5000	0.151	4.14	0.02	0.15	0.7	0.60	5.8	1.5	0.65	9	3	69.30	8.14
3208078	Drill Core	295	0.24	0.098	17.6	52.6	0.06	2358	0.021	3.44	<0.01	0.10	<0.5	0.79	5.8	1.3	0.98	8	3	70.50	7.55
3208079	Drill Core	155	0.20	0.078	14.4	28.3	0.05	1501	0.004	2.58	<0.01	0.11	<0.5	0.44	4.0	1.2	1.82	6	4	72.40	6.70
3208080	Drill Core	98	0.16	0.080	14.7	18.4	0.02	2091	0.004	1.91	<0.01	0.11	<0.5	0.38	2.7	1.0	1.30	<5	8	76.10	6.04
3208081	Drill Core	125	0.30	0.087	15.1	22.5	0.08	809	0.009	1.91	<0.01	0.24	0.8	0.29	3.5	1.3	2.46	<5	4	70.70	7.80
3208082	Drill Core	104	0.24	0.109	13.8	19.1	0.02	862	0.005	1.73	<0.01	0.15	<0.5	0.68	2.8	1.1	2.52	<5	6	72.90	7.30
3208083	Drill Core	62	0.15	0.079	14.7	12.1	0.02	529	0.004	1.63	<0.01	0.15	<0.5	0.45	2.1	0.8	3.22	<5	5	70.20	8.66
3208084	Drill Core	36	0.14	0.084	15.3	10.2	0.03	259	0.004	0.97	<0.01	0.21	<0.5	0.31	2.3	0.6	6.00	<5	10	65.60	9.28
3208085	Drill Core	33	0.14	0.063	16.6	9.5	0.03	280	0.005	0.83	<0.01	0.24	<0.5	0.11	1.9	<0.5	5.06	<5	4	67.10	9.78



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 20, 2018

Page: 3 of 3

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI18000648.1

	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000
		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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
3208222	Drill Core	10.90	0.26	0.49	2.27	0.14	0.51	0.19	<0.01	1.48	<0.01	0.04	0.05	7.78	99.25	0.72	1.38	7.60
3208223	Drill Core	8.20	0.23	0.53	2.55	0.14	0.56	0.17	0.02	0.94	<0.01	0.01	0.03	6.37	99.60	0.57	1.36	5.30
3208224	Drill Core	6.59	0.27	0.54	2.62	0.09	0.56	0.20	0.01	0.90	<0.01	0.01	0.01	5.81	99.60	0.29	1.35	4.19
3208225	Drill Core	6.84	0.23	0.55	2.76	0.08	0.59	0.17	0.01	0.85	<0.01	<0.01	0.01	5.93	99.30	0.25	1.30	4.32
3208226	Drill Core	6.68	0.30	0.49	2.58	0.10	0.55	0.24	0.01	0.80	<0.01	0.01	0.02	5.98	99.38	0.36	1.24	3.85
3208065	Drill Core	3.27	1.36	0.83	1.14	0.06	0.37	0.24	0.01	4.84	<0.01	<0.01	0.14	6.91	99.58	1.65	2.95	1.86
3208066	Drill Core	2.09	0.49	0.37	1.07	0.03	0.38	0.20	0.01	5.16	<0.01	<0.01	0.05	5.14	98.47	0.34	2.58	1.27
3208067	Drill Core	2.91	0.51	0.34	0.84	0.05	0.40	0.21	0.01	6.44	<0.01	<0.01	0.11	5.58	99.21	0.43	2.47	1.81
3208068	Drill Core	4.61	0.49	0.28	0.86	0.13	0.40	0.23	0.01	6.53	<0.01	<0.01	0.16	6.39	99.26	0.77	2.43	2.63
3208069	Drill Core	4.94	0.50	0.24	0.70	0.15	0.41	0.28	0.02	7.05	<0.01	0.01	0.19	7.00	99.02	0.84	2.54	2.54
3208070	Drill Core	3.05	0.90	0.44	0.46	0.05	0.39	0.26	0.02	7.77	<0.01	<0.01	0.04	5.64	98.99	0.76	2.59	1.86
3208071	Drill Core	3.52	0.34	0.04	0.22	0.09	0.37	0.26	0.02	8.14	0.06	0.03	0.37	5.16	99.40	0.43	1.99	1.99
3208072	Drill Core	3.94	2.80	1.75	0.16	0.17	0.27	0.15	<0.01	5.05	0.01	1.45	5.56	8.35	98.48	3.42	2.81	5.98
3208073	Rock	3.36	2.76	1.13	1.90	0.12	0.37	0.09	<0.01	0.09	<0.01	<0.01	<0.01	1.26	99.15	0.37	0.15	0.02
3208074	Drill Core	7.13	1.78	1.10	0.11	0.17	0.22	0.11	<0.01	4.99	<0.01	2.98	12.21	10.07	98.82	2.56	1.94	11.45
3208075	Rock Pulp	11.40	5.42	3.84	3.50	0.18	0.24	0.09	<0.01	0.08	0.03	4.86	10.76	14.71	99.45	7.63	2.51	10.63
3208076	Drill Core	3.41	0.38	0.05	0.23	0.03	0.39	0.27	0.02	10.22	<0.01	0.05	0.24	3.84	98.92	0.06	2.01	2.28
3208077	Drill Core	3.79	0.42	0.08	0.23	0.04	0.44	0.29	0.02	10.22	<0.01	0.08	0.25	4.28	98.84	0.14	2.02	2.58
3208078	Drill Core	4.13	0.42	0.18	0.35	0.04	0.38	0.24	0.02	8.51	<0.01	0.07	0.03	6.00	99.46	0.20	2.73	2.71
3208079	Drill Core	4.63	0.33	0.19	0.50	0.05	0.37	0.24	0.02	6.44	<0.01	0.04	0.09	6.64	99.44	0.26	3.07	3.08
3208080	Drill Core	3.46	0.24	0.12	0.50	0.07	0.30	0.19	0.01	5.04	0.01	0.50	0.11	6.03	99.40	0.28	2.43	2.20
3208081	Drill Core	5.39	0.43	0.29	1.14	0.15	0.40	0.25	0.02	4.66	<0.01	0.02	0.21	7.24	99.38	0.77	3.09	3.20
3208082	Drill Core	4.91	0.35	0.24	1.09	0.10	0.38	0.28	0.02	4.06	<0.01	0.07	0.25	7.01	99.52	0.30	3.28	3.19
3208083	Drill Core	5.45	0.24	0.32	1.37	0.09	0.44	0.20	0.01	4.07	<0.01	0.02	0.19	6.81	98.63	0.22	2.09	3.80
3208084	Drill Core	8.88	0.24	0.45	1.89	0.18	0.52	0.20	0.01	2.59	<0.01	1.05	0.11	7.67	99.13	0.55	1.12	6.29
3208085	Drill Core	8.33	0.22	0.51	2.21	0.23	0.54	0.16	0.01	2.18	<0.01	0.28	0.08	7.12	99.12	0.88	1.15	5.00



**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:

September 20, 2018

Page:

1 of 4

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000648.1

	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
3208213	Drill Core	2.01	48	<3	3	12.2	106.3	>40000	125412	33.9	62.4	29.9	956	3.02	116	1.8	1.8	45	388.6	54.9	<0.5
Pulp Duplicates																					
3208195	Drill Core	2.75	22	<3	8	17.1	51.6	75.5	363	0.6	73.1	6.2	168	2.46	39	2.3	3.7	65	0.6	13.4	<0.5
REP 3208195	QC																				
3208202	Drill Core	1.97	20	<3	4	14.0	72.5	16123.9	72972	3.7	30.4	9.0	764	1.85	52	1.5	2.5	324	219.3	15.4	<0.5
REP 3208202	QC					14.6	71.1	16210.6	73049	3.9	33.5	8.8	714	1.80	52	1.5	2.5	307	216.7	15.3	<0.5
REP 3208205	QC	10		8	3																
3208211	Drill Core	2.01	25	5	7	14.4	82.7	12485.2	120091	5.0	49.6	16.1	551	2.36	51	1.6	2.6	47	354.1	18.0	<0.5
REP 3208211	QC																				
3208214	Drill Core	1.98	15	5	6	6.4	58.1	16201.5	60558	6.7	111.7	46.6	11094	15.60	138	2.4	1.4	54	170.4	24.3	<0.5
REP 3208214	QC	13		<3	<2																
3208219	Drill Core	2.96	35	15	13	17.4	57.0	1169.0	726	1.9	85.9	17.1	592	4.33	77	2.3	3.4	69	1.2	26.5	<0.5
REP 3208219	QC																				
3208222	Drill Core	3.74	33	<3	<2	4.6	92.2	408.5	489	1.0	67.3	14.8	1015	7.20	61	1.7	4.9	44	0.8	28.2	<0.5
REP 3208222	QC																				
3208065	Drill Core	1.59	18	13	6	18.1	40.6	51.9	1303	0.5	64.1	6.8	310	2.17	33	1.8	3.4	80	4.1	12.2	<0.5
REP 3208065	QC																				
3208070	Drill Core	2.62	34	14	8	16.2	49.6	68.1	471	0.7	63.9	5.6	201	2.09	45	2.4	3.1	59	3.7	25.1	<0.5
REP 3208070	QC					16.2	51.9	66.1	465	0.6	65.8	5.6	201	2.07	44	2.3	3.2	63	3.6	24.7	<0.5
3208078	Drill Core	1.93	36	<3	13	16.5	44.0	544.5	282	1.3	73.8	13.4	158	2.75	59	2.1	3.6	60	2.1	24.5	<0.5
REP 3208078	QC																				
3208085	Drill Core	1.56	41	4	5	4.1	66.1	2749.2	768	2.7	58.0	13.1	1559	5.47	46	1.5	5.8	40	<0.5	34.7	<0.5
REP 3208085	QC	41		<3	10																
Core Reject Duplicates																					
3208205	Drill Core	1.98	13	<3	<2	15.5	72.1	8846.0	66825	2.4	88.1	12.7	196	3.92	82	1.3	2.4	65	189.0	14.3	<0.5
DUP 3208205	QC	10		3	2	15.4	70.1	8741.1	66569	2.3	84.8	13.9	192	3.89	82	1.4	2.7	66	192.4	14.5	<0.5
3208077	Drill Core	3.04	32	<3	15	16.3	51.5	760.6	2508	1.0	67.6	8.9	143	2.69	58	2.4	4.9	108	9.7	31.1	<0.5
DUP 3208077	QC	36		22	4	16.9	54.3	750.7	3643	1.1	74.7	9.6	143	2.79	61	2.4	4.7	96	13.6	30.5	<0.5
Reference Materials																					



**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 20, 2018

Page:

1 of 4

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000648.1

	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	Ti	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
3208213	Drill Core	387	0.14	0.064	7.3	73.9	<0.01	152	0.118	1.45	<0.01	0.03	0.6	62.11	1.8	4.2	8.66	12	17	40.30	2.89
Pulp Duplicates																					
3208195	Drill Core	128	0.62	0.123	16.5	24.7	0.20	>5000	0.003	3.42	<0.01	0.09	<0.5	0.07	4.3	1.7	0.61	6	2	69.50	8.06
REP 3208195	QC																				
3208202	Drill Core	388	3.34	0.056	11.0	76.4	0.38	497	0.115	1.87	<0.01	0.04	<0.5	15.06	8.4	4.0	3.70	8	8	55.50	3.70
REP 3208202	QC	389	3.30	0.057	10.5	76.2	0.40	445	0.115	1.85	<0.01	0.05	<0.5	15.30	8.2	4.0	3.67	8	7		
REP 3208205	QC																				
3208211	Drill Core	480	0.17	0.075	10.3	92.3	<0.01	179	0.141	1.83	<0.01	0.05	<0.5	49.29	1.8	2.4	6.34	14	6	52.70	3.64
REP 3208211	QC																			52.80	3.65
3208214	Drill Core	205	0.31	0.061	4.2	38.5	0.06	224	0.049	0.84	<0.01	0.01	0.9	31.98	4.9	1.7	6.02	7	3	41.40	1.75
REP 3208214	QC																				
3208219	Drill Core	440	0.27	0.111	20.8	73.0	0.03	596	0.084	3.05	<0.01	0.12	0.5	0.24	5.7	0.8	2.28	8	6	69.90	6.59
REP 3208219	QC																				
3208222	Drill Core	37	0.16	0.075	15.6	9.7	0.03	223	0.004	0.53	<0.01	0.21	<0.5	0.17	2.3	0.6	7.03	<5	2	66.00	8.87
REP 3208222	QC																			66.10	8.90
3208065	Drill Core	115	0.93	0.101	9.6	20.4	0.35	3070	0.007	1.84	<0.01	0.17	<0.5	0.10	3.9	0.8	1.09	<5	4	72.30	7.46
REP 3208065	QC																				
3208070	Drill Core	212	0.60	0.114	15.1	37.5	0.20	>5000	0.018	3.16	<0.01	0.11	<0.5	0.11	5.8	1.2	0.50	5	2	71.70	7.33
REP 3208070	QC	212	0.59	0.110	14.8	38.8	0.19	>5000	0.018	3.13	<0.01	0.11	<0.5	0.11	6.3	1.1	0.47	6	3		
3208078	Drill Core	295	0.24	0.098	17.6	52.6	0.06	2358	0.021	3.44	<0.01	0.10	<0.5	0.79	5.8	1.3	0.98	8	3	70.50	7.55
REP 3208078	QC																			70.40	7.55
3208085	Drill Core	33	0.14	0.063	16.6	9.5	0.03	280	0.005	0.83	<0.01	0.24	<0.5	0.11	1.9	<0.5	5.06	<5	4	67.10	9.78
REP 3208085	QC																				
Core Reject Duplicates																					
3208205	Drill Core	427	0.16	0.072	10.3	81.8	0.02	214	0.125	1.99	<0.01	0.03	<0.5	14.57	2.4	4.5	5.76	7	5	58.10	4.08
DUP 3208205	QC	429	0.14	0.068	10.3	79.3	0.02	221	0.124	1.98	<0.01	0.03	<0.5	14.16	2.5	4.4	5.70	7	4	58.10	4.06
3208077	Drill Core	553	0.29	0.119	24.2	101.0	0.03	>5000	0.151	4.14	0.02	0.15	0.7	0.60	5.8	1.5	0.65	9	3	69.30	8.14
DUP 3208077	QC	563	0.28	0.119	23.9	103.9	0.02	>5000	0.155	4.12	0.02	0.15	0.9	0.75	5.5	1.5	0.75	10	4	69.60	8.09
Reference Materials																					



**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 20, 2018

Page:

1 of 4

Part:

3 of 3

QUALITY CONTROL REPORT

WHI18000648.1

Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000
Analyte	Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S
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
3208213 Drill Core	4.45	0.24	0.02	0.05	0.14	0.25	0.17	0.01	11.74	0.02	9.84	12.37	7.44	95.07	0.67	1.06	11.90
Pulp Duplicates																	
3208195 Drill Core	3.54	0.91	0.47	0.48	0.04	0.42	0.29	0.02	8.60	<0.01	<0.01	0.04	5.95	99.38	0.75	2.58	2.44
REP 3208195 QC																2.54	2.40
3208202 Drill Core	2.77	4.84	0.68	0.06	0.11	0.24	0.13	<0.01	8.87	0.01	1.75	7.58	6.56	95.84	4.83	3.16	6.13
REP 3208202 QC																	
REP 3208205 QC																	
3208211 Drill Core	3.50	0.26	0.05	0.07	0.08	0.30	0.19	0.01	11.11	0.01	1.30	12.05	6.73	96.35	0.46	1.30	9.39
REP 3208211 QC	3.51	0.26	0.03	0.07	0.08	0.30	0.19	0.01	11.11	0.02	1.28	12.05	6.73	96.44			
3208214 Drill Core	22.10	0.44	0.11	0.03	1.38	0.12	0.14	<0.01	5.30	<0.01	1.58	6.05	14.63	97.24	9.62	3.67	7.42
REP 3208214 QC																	
3208219 Drill Core	6.26	0.42	0.09	0.18	0.09	0.35	0.26	0.02	7.83	<0.01	0.12	0.07	6.07	99.23	0.49	2.33	4.31
REP 3208219 QC															0.46		
3208222 Drill Core	10.90	0.26	0.49	2.27	0.14	0.51	0.19	<0.01	1.48	<0.01	0.04	0.05	7.78	99.25	0.72	1.38	7.60
REP 3208222 QC	11.00	0.26	0.49	2.26	0.14	0.51	0.19	<0.01	1.48	<0.01	0.04	0.05	7.78	99.46			
3208065 Drill Core	3.27	1.36	0.83	1.14	0.06	0.37	0.24	0.01	4.84	<0.01	<0.01	0.14	6.91	99.58	1.65	2.95	1.86
REP 3208065 QC																2.71	1.65
3208070 Drill Core	3.05	0.90	0.44	0.46	0.05	0.39	0.26	0.02	7.77	<0.01	<0.01	0.04	5.64	98.99	0.76	2.59	1.86
REP 3208070 QC																	
3208078 Drill Core	4.13	0.42	0.18	0.35	0.04	0.38	0.24	0.02	8.51	<0.01	0.07	0.03	6.00	99.46	0.20	2.73	2.71
REP 3208078 QC	4.10	0.42	0.17	0.35	0.04	0.38	0.24	0.02	8.51	<0.01	0.07	0.03	6.00	99.31			
3208085 Drill Core	8.33	0.22	0.51	2.21	0.23	0.54	0.16	0.01	2.18	<0.01	0.28	0.08	7.12	99.12	0.88	1.15	5.00
REP 3208085 QC																	
Core Reject Duplicates																	
3208205 Drill Core	5.75	0.22	0.05	0.05	0.04	0.25	0.17	<0.01	10.75	0.01	0.92	6.76	6.50	96.63	0.08	1.08	8.71
DUP 3208205 QC	5.76	0.22	0.05	0.05	0.04	0.25	0.17	0.01	10.84	<0.01	0.94	6.73	6.32	96.53	0.08	1.10	8.64
3208077 Drill Core	3.79	0.42	0.08	0.23	0.04	0.44	0.29	0.02	10.22	<0.01	0.08	0.25	4.28	98.84	0.14	2.02	2.58
DUP 3208077 QC	3.93	0.41	0.07	0.23	0.04	0.45	0.29	0.02	10.22	<0.01	0.08	0.36	4.25	99.35	0.14	1.90	2.63
Reference Materials																	



**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 20, 2018

Page:

2 of 4

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000648.1

		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 COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD GBM398-4-AR	Standard					904.0	3830.5	11028.8	4999	49.3	4190.7	1861.2	5163	3.76	6	0.7	0.8	9	8.9	7.5	13.8
STD GBM398-4-AR	Standard					901.6	3813.3	10953.5	4998	49.9	3976.3	1909.5	5093	3.75	7	0.7	0.8	12	9.1	6.7	12.7
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 GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard					4.8	50887.1	842.7	2115	980.0	1518.4	96.5	89	3.60	1707	0.9	2.5	48	13.9	293.6	19.7
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard					1.0	10454.4	231.7	707	4.1	29.4	30.9	1036	7.98	12	1.8	12.9	15	1.0	1.4	75.3
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	72.8
STD PD05	Standard	536		450		630															
STD PD05	Standard	523		443		630															
STD PD05	Standard	520		442		613															
STD PD05	Standard	526		448		618															
STD PD05	Standard	519		422		614															
STD PG04	Standard	996		942		1214															
STD PG04	Standard	974		902		1212															
STD PG04	Standard	1024		905		1221															
STD PG04	Standard	1023		944		1256															
STD PG04	Standard	978		892		1193															
STD SY-4(D)	Standard																				



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 20, 2018

Page: 2 of 4

Part: 2 of 3

QUALITY CONTROL REPORT

WHI18000648.1

		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 COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD GBM398-4-AR	Standard	31	0.32	0.016	2.9	1840.4	0.12	28	0.111	0.49	0.25	0.10	2.8	3.10	1.7	<0.5	0.94	<5	3		
STD GBM398-4-AR	Standard	30	0.31	0.020	2.7	1885.9	0.12	22	0.106	0.46	0.24	0.10	2.7	3.05	1.8	<0.5	0.94	<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 GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard	<10	0.19	0.010	7.3	30.9	0.03	179	0.010	0.72	0.03	0.13	7.3	1.69	1.2	15.8	7.80	6	73		
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard	35	0.29	0.049	29.7	44.2	1.85	55	0.094	3.17	<0.01	0.24	5.4	0.19	4.1	<0.5	1.75	9	16		
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 PD05	Standard																				
STD PD05	Standard																				
STD PD05	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD SY-4(D)	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 20, 2018

Page:

2 of 4

Part:

3 of 3

QUALITY CONTROL REPORT

WHI18000648.1

		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 %
		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
STD COO1	Standard															2.32		
STD COO1	Standard															2.21		
STD COO1	Standard															2.23		
STD COO1	Standard															2.40		
STD GBM398-4-AR	Standard																	
STD GBM398-4-AR	Standard																	
STD GBM398-4-AR	Standard																	
STD GS311-1	Standard																0.98	2.28
STD GS311-1	Standard																0.97	2.15
STD GS910-4	Standard																2.71	8.51
STD GS910-4	Standard																2.67	7.65
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	5.31	3.73	3.46	0.16	0.23	0.09	<0.01	0.07	0.03	5.06	11.33	13.00	97.56			
STD OREAS605	Standard																	
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			
STD OREAS72B	Standard	9.76	3.97	15.90	1.32	0.15	0.36	0.06	0.15	0.03	0.02	<0.01	<0.01	5.12	98.33			
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 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			



**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 20, 2018

Page:

3 of 4

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000648.1

		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 SY-4(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD COO1 Expected																					
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					
STD OREAS605 Expected						4.75	49800	856	2170	984	1538	93	86	3.75	1613	0.95			12.9	228	16.7
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 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 PD05 Expected			519	430	596																
STD PG04 Expected			1004	903	1196																
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																				
SI BLK	Blank																				
BLK	Blank		3	<3	2																
BLK	Blank		4	<3	<2																
BLK	Blank		2	<3	7																
BLK	Blank		2	<3	3																
BLK	Blank		6	<3	4																
BLK	Blank		3	<3	5																
BLK	Blank					<0.5	1.9	<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		2	<3	<2																
BLK	Blank		2	<3	<2																
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
BLK	Blank		2	<3	<2																



www.bureauveritas.com/um

PHONE (604) 253-3158

Project: MacMillan Pass
Report Date: September 20, 2018

Part: 2 of 3

WHI18000648.1

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.



**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 20, 2018

Page:

3 of 4

Part:

3 of 3

QUALITY CONTROL REPORT

WHI18000648.1

		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 %
		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
STD SY-4(D)	Standard	6.11	8.03	0.53	1.66	0.11	0.29	0.15	<0.01	0.04	<0.01	<0.01	0.03	4.56	98.78			
STD GS311-1 Expected																	1.02	2.35
STD GS910-4 Expected																	2.65	8.27
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 OREAS605 Expected																		
STD GBM398-4-AR Expected																		
STD OREAS927-AR Expected																		
STD PD05 Expected																		
STD PG04 Expected																		
BLK	Blank																<0.02	<0.02
BLK	Blank																<0.02	<0.02
BLK	Blank															<0.02		
BLK	Blank															<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			
SI BLK	Blank	0.02	0.01	0.02	<0.01	0.02	0.03	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.00	99.58			
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

September 20, 2018

Page:

4 of 4

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000648.1

		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		2	<3	<2	1.5	3.6	3.4	37	<0.5	0.7	3.4	553	1.57	<5	<0.5	1.9	30	<0.5	<0.5	<0.5
ROCK-WHI	Prep Blank		3	<3	3	1.3	2.8	6.1	40	<0.5	0.8	3.5	542	1.50	<5	<0.5	2.0	25	<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 20, 2018

Page:

4 of 4

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000648.1

		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	20	0.67	0.039	6.2	2.8	0.47	68	0.081	0.98	0.09	0.09	<0.5	<0.05	2.9	<0.5	0.06	<5	<2	71.20	14.00
ROCK-WHI	Prep Blank	20	0.60	0.037	5.4	2.1	0.47	62	0.071	0.87	0.06	0.06	<0.5	<0.05	2.7	<0.5	0.05	<5	<2	71.30	13.90



**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 20, 2018

Page:

4 of 4

Part:

3 of 3

QUALITY CONTROL REPORT

WHI18000648.1

		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 %
		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
BLK	Blank																	
Prep Wash																		
ROCK-WHI	Prep Blank	2.85	2.20	0.96	2.01	0.10	0.36	0.09	<0.01	0.09	<0.01	<0.01	<0.01	1.18	99.56	0.14	0.09	0.05
ROCK-WHI	Prep Blank	2.69	2.15	0.92	2.03	0.10	0.32	0.08	<0.01	0.10	<0.01	<0.01	<0.01	1.07	99.23	0.21	0.07	0.03