



**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://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 04, 2018

Page: 1 of 8

## CERTIFICATE OF ANALYSIS

WHI18000647.1

### CLIENT JOB INFORMATION

Project: MacMillan Pass  
Shipment ID: FWZ18-BV-16  
P.O. Number  
Number of Samples: 200

### SAMPLE DISPOSAL

RTRN-PLP Return After 90 days  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

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

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS230	195	Dry at 60C sieve 100g to -230 mesh			WHI
SLBHP	5	Sort, label and box pulps			WHI
AQ250	200	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SHP01	200	Per sample shipping charges for branch shipments			VAN

### ADDITIONAL COMMENTS

  
KERRY JAY  
Geochem Project Specialist

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



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

**Fireweed Zinc Ltd.**

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

September 04, 2018

Page:

2 of 8

Part:

1 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method	Analyte	Unit	MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3201581	Soil																							
3201582	Soil																							
3201583	Soil																							
3201584	Soil																							
3201585	Soil																							
3201586	Soil												<0.2											
3201587	Soil																							
3201588	Soil																							
3201589	Soil																							
3201590	Soil																							
3201591	Soil																							
3201592	Soil																							
3201593	Soil																							
3201594	Soil																							
3201595	Soil																							
3201596	Soil																			<0.01	0.039			
3201597	Soil																							
3201598	Soil																			<0.01	0.066			
3201599	Soil																			<0.01	0.076			
3201600	Rock Pulp																							
3201601	Soil																							
3201602	Soil																			<0.01	0.070			
3201603	Soil																							
3201604	Soil																			<0.01	0.055			
3201605	Soil																			<0.01	0.067			
3201606	Soil																			<0.01	0.054			
3201607	Soil																			<0.01	0.078			
3201608	Soil																							
3201609	Soil																			<0.01	0.058			
3201610	Soil																			<0.01	0.075			



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://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 04, 2018

**Page:** 2 of 8

**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
3201581	Soil	26.0	28.8	0.39	349.5	0.030	<20	1.60	0.003	0.13	0.3	2.7	0.31	0.06	77	4.2	0.09	4.6
3201582	Soil	15.5	25.3	0.13	172.8	0.020	<20	1.47	0.002	0.08	0.5	2.0	0.29	0.03	64	2.4	0.07	5.8
3201583	Soil	21.6	27.0	0.31	253.5	0.024	<20	1.66	0.002	0.10	0.4	2.6	0.32	0.04	126	3.7	0.07	4.1
3201584	Soil	15.6	22.2	0.19	304.2	0.018	<20	1.08	0.011	0.09	0.4	1.4	0.28	0.02	76	1.4	0.04	3.2
3201585	Soil	18.5	32.1	0.37	391.7	0.029	<20	1.79	0.003	0.13	0.7	2.8	0.43	0.05	74	5.4	0.09	5.0
3201586	Soil	18.2	27.7	0.35	426.3	0.031	<20	2.12	0.003	0.13	0.5	3.1	0.47	<0.02	210	6.2	0.09	4.3
3201587	Soil	15.2	20.3	0.30	390.8	0.025	<20	1.37	0.007	0.10	1.3	2.3	0.42	0.05	103	5.8	0.05	4.1
3201588	Soil	15.2	12.3	0.12	350.1	0.012	<20	0.48	<0.001	0.09	0.3	1.7	0.42	0.10	105	5.0	0.07	1.7
3201589	Soil	18.2	23.6	0.14	212.9	0.032	<20	2.28	0.003	0.07	1.2	2.8	0.36	0.04	124	3.1	0.09	5.1
3201590	Soil	21.8	10.0	0.05	375.7	0.021	<20	0.60	0.003	0.07	0.7	1.0	0.33	0.03	42	1.2	0.07	4.7
3201591	Soil	22.3	26.1	0.22	800.5	0.026	<20	1.61	0.004	0.14	1.1	2.9	0.63	0.05	192	2.9	0.09	4.1
3201592	Soil	23.6	20.4	0.23	1538.1	0.019	<20	1.13	0.004	0.13	0.4	3.0	0.81	0.05	361	2.5	0.12	3.1
3201593	Soil	25.5	24.0	0.32	1714.3	0.025	<20	1.51	0.003	0.14	0.3	3.7	0.42	0.08	197	3.7	0.11	3.9
3201594	Soil	24.7	23.2	0.32	3041.8	0.028	<20	1.46	0.003	0.15	0.4	3.6	0.40	0.09	150	2.4	0.10	3.8
3201595	Soil	11.8	14.7	0.23	242.5	0.037	<20	1.26	0.017	0.13	2.2	2.2	0.35	0.04	72	4.2	0.05	4.1
3201596	Soil	23.2	7.4	0.03	109.1	0.029	<20	0.45	0.001	0.04	0.3	0.8	0.24	<0.02	17	1.1	0.07	6.0
3201597	Soil	16.1	23.8	0.19	296.7	0.032	<20	2.44	0.007	0.13	1.8	3.1	0.43	0.13	184	3.2	0.08	4.4
3201598	Soil	10.6	13.2	0.04	899.5	0.009	<20	0.35	0.002	0.15	0.3	1.4	0.75	0.25	363	12.4	0.19	1.9
3201599	Soil	15.8	17.1	0.06	1975.2	0.012	<20	0.51	0.004	0.20	0.2	2.0	0.89	0.27	408	12.2	0.20	2.4
3201600	Rock Pulp	25.4	29.4	0.47	61.2	0.076	<20	0.78	0.087	0.12	<0.1	3.1	0.08	0.04	16	<0.1	<0.02	2.7
3201601	Soil	16.9	21.5	0.09	237.5	0.026	<20	1.04	0.006	0.09	0.3	1.6	0.44	0.05	92	3.8	0.15	6.0
3201602	Soil	14.2	16.8	0.05	616.5	0.010	<20	0.86	0.004	0.13	0.2	1.7	0.69	0.17	288	10.9	0.17	3.9
3201603	Soil	11.5	20.5	0.11	538.2	0.014	<20	1.77	0.004	0.19	0.3	2.0	0.86	0.23	1158	10.0	0.15	3.2
3201604	Soil	16.3	10.1	0.01	486.0	0.009	<20	0.43	0.001	0.11	0.2	1.1	0.52	0.15	38	8.5	0.15	3.6
3201605	Soil	14.6	15.4	0.04	546.9	0.013	<20	0.67	0.004	0.14	0.3	1.3	0.65	0.18	121	9.4	0.21	4.4
3201606	Soil	20.0	10.2	0.02	475.8	0.010	<20	0.48	0.003	0.06	0.2	0.8	0.25	0.04	50	3.2	0.09	3.2
3201607	Soil	13.4	22.8	0.10	482.3	0.009	<20	0.84	0.002	0.14	0.1	1.8	0.58	0.19	232	9.9	0.18	3.7
3201608	Soil	17.9	12.0	0.02	478.6	0.006	<20	0.41	0.004	0.09	0.2	0.6	0.33	0.09	20	5.2	0.13	3.0
3201609	Soil	17.2	12.2	0.02	458.3	0.015	<20	0.55	0.002	0.10	0.3	1.2	0.54	0.12	102	8.2	0.20	4.6
3201610	Soil	13.9	23.6	0.05	650.7	0.013	<20	0.77	0.002	0.14	0.3	1.6	0.84	0.18	496	11.8	0.25	4.6



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://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 04, 2018

Page:

3 of 8

Part:

1 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method	Analyte	Unit	MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3201611	Soil																							
3201612	Soil																							
3201613	Soil																							
3201614	Soil																							
3201615	Soil																							
3201616	Soil																							
3201617	Soil																							
3201618	Soil																							
3201619	Soil																							
3201620	Soil																							
3201621	Soil																							
3201622	Soil																							
3201623	Soil																							
3201624	Soil																							
3201625	Soil																							
3201626	Soil																							
3201627	Soil																							
3201628	Soil																							
3201629	Soil																							
3201630	Soil																							
3201631	Soil																							
3201632	Soil																							
3201633	Soil																							
3201634	Soil																							
3201635	Soil																							
3201636	Soil																							
3201637	Soil																							
3201638	Soil																							
3201639	Soil																							
3201640	Rock Pulp																							



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

[www.bureauveritas.com/um](http://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 04, 2018

**Page:** 3 of 8

**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
3201611	Soil	16.4	26.2	0.13	1837.8	0.016	<20	0.74	0.003	0.17	<0.1	2.9	0.57	0.23	181	11.9	0.17	3.5
3201612	Soil	12.6	17.3	0.05	1105.3	0.012	<20	0.74	0.012	0.16	0.1	1.6	0.71	0.25	179	11.6	0.18	3.9
3201613	Soil	20.9	5.0	<0.01	132.2	0.010	<20	0.16	0.003	0.03	0.1	0.4	0.13	0.02	15	2.4	0.08	1.4
3201614	Soil	19.2	6.1	<0.01	156.5	0.007	<20	0.14	0.003	0.04	0.2	0.3	0.19	0.04	21	3.5	0.10	1.3
3201615	Soil	20.2	14.5	0.05	669.7	0.010	<20	0.50	0.003	0.24	0.1	1.2	1.33	0.41	257	18.2	0.32	3.0
3201616	Soil	18.8	10.4	0.04	617.9	0.011	<20	0.33	0.002	0.15	<0.1	1.5	0.74	0.23	687	11.7	0.25	2.4
3201617	Soil	20.7	10.8	0.03	829.6	0.013	<20	0.31	0.003	0.26	<0.1	2.4	1.45	0.46	860	27.2	0.38	2.5
3201618	Soil	16.5	16.5	0.06	1272.6	0.012	<20	0.49	0.003	0.32	0.1	2.9	1.64	0.55	390	28.4	0.41	3.5
3201619	Soil	17.3	14.4	0.04	1250.3	0.012	<20	0.43	0.003	0.26	<0.1	3.1	1.63	0.46	811	25.0	0.34	3.3
3201620	Soil	17.3	16.8	0.06	1410.6	0.011	<20	0.52	0.003	0.26	<0.1	3.3	1.67	0.44	524	25.3	0.35	3.7
3201621	Soil	13.8	27.2	0.12	1388.7	0.010	<20	0.76	0.004	0.28	<0.1	3.3	1.91	0.51	405	22.3	0.27	3.9
3201622	Soil	7.5	20.1	0.05	1117.3	0.016	<20	0.38	0.004	0.34	<0.1	2.1	1.55	0.70	352	13.2	0.29	3.8
3201623	Soil	8.5	30.8	0.05	491.7	0.024	<20	0.43	0.006	0.46	0.2	3.2	1.27	0.88	388	42.3	0.43	4.1
3201624	Soil	14.1	7.6	0.01	4028.9	0.008	<20	0.22	<0.001	0.09	<0.1	1.3	0.31	0.15	744	19.4	0.36	1.3
3201625	Soil	5.2	18.7	0.02	210.1	0.050	<20	0.36	0.005	0.57	0.3	2.0	1.62	0.99	1007	49.8	0.48	2.2
3201626	Soil	10.2	21.8	0.05	1906.2	0.015	<20	0.52	0.003	0.25	0.1	2.7	1.24	0.37	673	23.7	0.44	4.9
3201627	Soil	11.1	32.0	0.08	1207.3	0.008	<20	0.68	0.004	0.21	<0.1	4.0	1.10	0.32	112	13.8	0.32	6.0
3201628	Soil	11.9	23.0	0.10	1465.4	0.021	<20	0.59	0.004	0.26	0.2	2.4	1.13	0.41	395	29.6	0.44	3.7
3201629	Soil	16.9	26.8	0.15	223.7	0.022	<20	1.76	0.005	0.10	0.5	2.3	0.42	0.03	192	3.9	0.08	4.9
3201630	Soil	18.2	22.0	0.08	205.4	0.023	<20	0.86	0.004	0.10	0.5	1.5	0.37	0.03	92	2.7	0.11	5.7
3201631	Soil	16.1	22.0	0.11	182.0	0.041	<20	1.07	0.003	0.08	0.5	1.9	0.42	0.03	58	2.5	0.10	7.4
3201632	Soil	10.0	5.6	0.01	430.6	0.009	<20	0.20	0.005	0.09	0.3	0.5	0.65	0.14	69	5.0	0.14	1.9
3201633	Soil	16.1	4.7	<0.01	210.3	0.007	<20	0.18	0.002	0.05	0.2	0.4	0.51	0.03	69	1.8	0.09	1.4
3201634	Soil	17.7	11.2	0.01	466.0	0.006	<20	0.33	0.002	0.12	0.3	0.6	0.73	0.16	37	7.7	0.16	3.1
3201635	Soil	24.9	7.0	0.01	223.7	0.018	<20	0.37	0.003	0.05	0.2	0.8	0.31	0.03	37	2.4	0.08	3.6
3201636	Soil	16.5	5.8	0.01	320.7	0.009	<20	0.23	0.002	0.06	0.2	0.6	0.43	0.06	28	3.1	0.12	2.0
3201637	Soil	16.5	6.8	0.01	323.3	0.008	<20	0.44	0.007	0.07	0.2	0.7	0.34	0.06	49	3.6	0.08	3.0
3201638	Soil	23.7	7.0	<0.01	145.4	0.013	<20	0.22	0.004	0.04	0.2	0.5	0.20	0.02	25	2.5	0.11	2.0
3201639	Soil	18.3	5.8	0.01	313.6	0.010	<20	0.24	0.003	0.06	0.2	0.5	0.40	0.05	51	3.1	0.09	2.1
3201640	Rock Pulp	16.4	27.2	0.46	54.8	0.077	<20	0.77	0.078	0.11	<0.1	2.8	0.06	<0.02	11	<0.1	<0.02	2.8



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 04, 2018

Page:

4 of 8

Part:

1 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3206081	Soil	14.21	37.01	69.80	85.9	595	18.1	2.8	54	2.66	46.8	2.3	1.7	1.1	37.1	0.22	4.23	0.27	71	0.02	0.096
3206082	Soil	5.70	24.49	32.04	83.4	367	20.8	3.7	76	1.95	30.7	1.8	2.3	3.5	14.0	0.20	2.12	0.17	30	0.04	0.097
3206083	Soil	19.82	31.58	100.27	89.0	1137	13.8	2.4	54	2.91	65.5	2.8	1.9	7.2	57.3	0.22	5.62	0.30	103	0.02	0.117
3206084	Soil	9.66	18.56	37.10	51.9	224	9.9	1.9	57	2.01	38.5	1.2	0.7	0.5	21.7	0.08	2.81	0.34	55	0.04	0.111
3206085	Soil	25.58	53.05	122.62	164.6	2462	39.8	12.2	321	4.48	59.9	7.9	4.3	0.9	51.4	0.50	4.30	0.49	114	0.12	0.203
3206086	Soil	11.25	46.34	36.10	128.5	425	30.2	5.6	139	3.14	55.8	5.0	2.4	7.1	32.6	0.54	3.79	0.44	61	0.08	0.127
3206087	Soil	9.50	30.84	33.52	105.8	369	24.5	4.3	93	3.94	45.1	2.1	1.5	7.3	14.1	0.18	2.70	0.33	71	0.02	0.099
3206088	Soil	6.88	21.84	35.45	93.0	507	19.5	3.9	109	4.72	41.8	2.1	2.0	9.2	12.7	0.24	2.78	0.37	77	0.04	0.157
3206089	Soil	10.41	50.76	27.39	222.3	202	19.0	2.8	67	15.30	40.0	2.0	1.1	2.3	12.3	0.20	4.20	0.28	57	<0.01	0.222
3206090	Soil	11.41	61.04	33.57	186.3	346	37.8	6.2	139	3.69	45.3	4.5	2.8	2.6	28.5	0.24	3.56	0.38	60	0.02	0.126
3206091	Soil	15.64	87.82	54.02	273.0	366	66.6	16.0	273	3.66	49.1	5.0	3.2	6.3	34.1	0.73	4.17	0.33	67	0.06	0.112
3206092	Soil	11.23	34.89	45.82	136.3	746	30.8	4.6	93	4.04	60.2	1.8	2.5	6.1	19.3	0.30	3.16	0.40	75	0.04	0.167
3206093	Soil	8.68	28.49	37.28	112.6	362	29.9	5.4	103	2.54	43.8	2.0	2.2	2.7	24.5	0.31	3.03	0.28	46	0.13	0.203
3206094	Soil	3.94	40.59	24.19	51.8	343	10.6	2.1	45	1.99	34.2	0.8	23.6	1.4	8.3	0.06	2.19	0.31	30	<0.01	0.046
3206095	Soil	6.19	20.39	13.49	20.0	1246	5.2	0.9	28	1.02	29.9	0.6	1.2	0.3	5.6	0.03	2.05	0.14	29	<0.01	0.029
3206096	Soil	25.30	20.29	87.13	14.6	4072	3.7	0.7	34	1.02	29.7	2.1	7.8	1.3	8.7	0.06	9.29	0.28	39	<0.01	0.033
3206097	Soil	13.05	21.64	64.76	36.8	488	12.6	1.9	76	1.84	29.0	0.9	5.9	1.0	9.7	0.10	3.95	0.27	33	0.02	0.049
3206098	Soil	10.63	10.59	27.80	17.0	399	4.9	0.7	29	0.67	13.8	0.5	0.4	0.2	6.8	0.04	1.23	0.15	21	<0.01	0.025
3206099	Soil	7.88	11.94	37.71	36.6	346	6.3	0.9	19	0.78	14.5	0.5	1.4	0.1	7.8	0.13	1.56	0.18	23	<0.01	0.036
3206100	Rock Pulp	12.08	158.20	268.91	200.7	107	76.2	49.8	261	1.56	9.5	0.4	38.2	3.4	31.5	0.52	0.17	0.15	22	0.55	0.057
3206101	Soil	21.15	22.09	96.05	24.6	782	8.0	0.9	37	2.18	19.9	1.2	5.4	4.5	5.6	0.08	15.97	0.18	47	<0.01	0.040
3206102	Soil	8.28	5.95	20.47	31.5	436	6.2	0.6	12	0.43	9.0	0.4	1.4	1.0	5.1	0.02	1.50	0.17	34	<0.01	0.014
3206103	Soil	18.11	6.80	57.09	39.5	383	10.1	0.6	10	0.62	13.5	0.6	1.2	2.8	8.2	0.06	3.02	0.31	47	<0.01	0.018
3206104	Soil	10.21	5.24	16.67	35.2	266	8.4	0.5	11	0.42	6.6	0.4	0.8	0.9	4.6	0.05	2.00	0.12	29	<0.01	0.014
3206105	Soil	9.71	4.72	37.39	32.7	910	7.8	0.5	7	0.42	6.1	0.5	6.5	1.9	7.0	0.06	1.48	0.20	26	<0.01	0.018
3206106	Soil	11.20	17.66	37.23	25.8	646	5.9	0.6	26	1.00	11.9	1.2	4.7	3.8	5.3	0.05	3.16	0.18	18	<0.01	0.020
3206107	Soil	9.93	16.24	15.82	33.9	559	7.2	1.0	27	1.17	16.3	0.5	1.5	0.5	6.4	0.13	1.91	0.14	35	0.01	0.035
3206108	Soil	5.34	37.92	12.23	84.5	417	3.2	1.3	16	>40	14.3	0.7	2.8	2.1	1.8	0.03	2.52	0.12	252	<0.01	0.058
3206109	Soil	0.91	21.17	8.84	94.3	131	0.9	0.9	5	>40	12.3	0.5	0.8	0.3	0.5	0.03	3.77	0.03	1805	<0.01	0.478
3206110	Soil	8.68	12.93	12.52	29.3	625	4.5	0.8	18	1.36	19.1	0.4	0.6	0.3	5.5	0.08	1.45	0.10	31	<0.01	0.032



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://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 04, 2018

**Page:** 4 of 8

**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
3206081	Soil	17.1	17.4	0.12	621.5	0.014	<20	1.03	0.007	0.13	0.5	1.5	0.48	0.10	137	4.1	0.11
3206082	Soil	12.8	11.7	0.13	144.6	0.022	<20	1.54	0.014	0.07	0.7	1.8	0.26	0.02	111	1.8	0.03
3206083	Soil	17.4	23.0	0.12	1358.6	0.028	<20	2.08	0.010	0.25	1.4	2.9	0.99	0.26	451	5.6	0.12
3206084	Soil	17.1	13.2	0.09	208.2	0.021	<20	0.66	0.005	0.07	0.4	0.8	0.30	0.07	23	2.4	0.05
3206085	Soil	21.9	30.9	0.24	935.4	0.009	<20	2.47	0.004	0.18	0.5	1.9	1.58	0.11	502	11.8	0.12
3206086	Soil	20.4	20.0	0.28	542.9	0.030	<20	1.26	0.005	0.16	0.6	3.0	0.42	0.06	162	2.8	0.07
3206087	Soil	18.8	25.5	0.19	174.3	0.026	<20	2.23	0.015	0.09	0.5	2.7	0.46	0.03	72	2.8	0.07
3206088	Soil	15.5	34.4	0.11	177.7	0.061	<20	3.16	0.009	0.06	1.1	3.5	0.39	0.03	89	2.5	0.05
3206089	Soil	13.3	17.3	0.06	183.5	0.021	<20	0.92	0.002	0.08	0.4	1.2	0.24	0.07	58	4.8	0.08
3206090	Soil	26.4	23.4	0.29	2824.6	0.023	<20	1.46	0.002	0.12	0.4	2.5	0.31	0.09	119	2.5	0.08
3206091	Soil	22.6	24.9	0.28	1148.1	0.021	<20	1.58	0.003	0.15	0.3	3.2	0.52	0.07	215	4.3	0.11
3206092	Soil	20.5	22.8	0.12	196.6	0.018	<20	1.59	0.003	0.08	0.6	2.1	0.41	0.03	107	3.1	0.13
3206093	Soil	22.1	14.4	0.12	151.3	0.016	<20	0.83	0.003	0.07	0.7	1.5	0.28	<0.02	71	1.8	0.07
3206094	Soil	36.5	6.3	<0.01	105.8	0.005	<20	0.28	<0.001	0.05	<0.1	0.9	0.11	<0.02	35	2.1	0.11
3206095	Soil	19.6	5.0	<0.01	60.4	0.006	<20	0.25	0.005	0.03	<0.1	0.5	0.16	<0.02	30	1.2	0.06
3206096	Soil	8.3	7.6	0.02	199.0	0.008	<20	0.22	0.003	0.07	<0.1	1.1	0.58	0.09	493	6.4	0.17
3206097	Soil	18.0	8.0	0.02	183.6	0.008	<20	0.32	0.004	0.07	<0.1	0.8	0.38	0.07	98	2.8	0.07
3206098	Soil	17.5	4.0	<0.01	119.3	0.005	<20	0.24	0.005	0.04	<0.1	0.5	0.27	0.03	20	0.8	0.05
3206099	Soil	16.1	4.3	<0.01	188.8	0.005	<20	0.17	0.002	0.04	<0.1	0.5	0.24	0.03	29	1.1	0.05
3206100	Rock Pulp	27.4	31.1	0.47	61.7	0.072	<20	0.79	0.084	0.11	<0.1	3.1	0.09	0.04	17	<0.1	0.03
3206101	Soil	10.1	6.3	0.01	189.3	0.006	<20	0.15	0.001	0.13	<0.1	0.8	0.93	0.23	349	8.1	0.08
3206102	Soil	18.4	3.1	<0.01	139.7	0.010	<20	0.21	0.001	0.03	0.1	0.4	0.29	<0.02	18	0.4	0.04
3206103	Soil	7.5	4.1	0.01	322.0	0.006	<20	0.20	0.002	0.05	0.1	0.6	0.60	0.04	32	2.3	0.10
3206104	Soil	16.3	2.0	<0.01	201.8	0.005	<20	0.12	0.002	0.03	<0.1	0.6	0.27	<0.02	17	1.0	0.06
3206105	Soil	10.9	2.6	0.01	244.3	0.005	<20	0.17	0.001	0.05	<0.1	0.4	0.48	0.04	48	1.0	0.05
3206106	Soil	8.4	3.8	0.01	232.4	0.003	<20	0.21	<0.001	0.05	<0.1	0.7	0.37	0.06	377	2.0	0.07
3206107	Soil	17.8	3.7	<0.01	273.7	0.004	<20	0.16	0.003	0.04	<0.1	0.7	0.15	0.02	32	1.1	0.08
3206108	Soil	4.1	7.1	<0.01	52.9	0.004	<20	0.41	<0.001	0.02	<0.1	1.4	0.12	0.27	82	3.1	0.05
3206109	Soil	0.7	12.4	<0.01	24.2	0.004	<20	0.47	<0.001	<0.01	<0.1	1.4	0.04	0.41	31	0.5	<0.02
3206110	Soil	15.6	2.6	<0.01	197.2	0.004	<20	0.16	0.002	0.03	<0.1	0.3	0.13	<0.02	28	0.7	0.05



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 04, 2018

Page:

5 of 8

Part:

1 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3206111	Soil	12.10	36.68	45.55	67.8	587	17.2	2.6	80	2.01	34.0	1.9	4.6	0.5	12.7	0.19	3.66	0.27	34	0.02	0.060
3206112	Soil	12.73	33.37	40.16	38.6	1015	10.4	1.5	32	1.54	33.9	1.6	4.2	0.7	11.3	0.10	3.60	0.22	26	0.01	0.043
3206113	Soil	12.25	19.36	39.94	47.5	297	10.8	1.5	34	1.32	27.5	0.7	1.7	0.8	10.0	0.12	2.62	0.18	33	<0.01	0.042
3206114	Soil	6.04	5.21	30.43	29.2	938	6.0	1.3	41	1.92	36.5	0.8	3.6	1.6	11.8	0.05	1.44	0.26	25	0.02	0.071
3206115	Soil	10.44	25.54	46.77	71.3	432	18.4	3.0	97	2.62	73.7	1.8	4.1	5.3	15.2	0.11	2.90	0.33	32	0.02	0.059
3206116	Soil	8.36	22.73	34.09	42.7	490	12.2	2.4	50	2.31	58.5	1.5	3.2	1.7	12.0	0.08	2.78	0.27	28	0.02	0.089
3206117	Soil	11.47	21.56	46.81	66.2	909	17.6	3.1	75	2.63	82.0	1.5	7.8	2.9	14.9	0.11	3.26	0.35	32	0.03	0.099
3206118	Soil	6.16	16.32	32.54	57.0	1156	9.4	2.4	46	4.35	72.9	0.8	0.7	2.2	16.4	0.10	4.15	0.32	73	0.01	0.107
3206119	Soil	8.20	17.38	31.57	71.8	491	11.5	3.2	76	6.81	70.3	1.2	0.9	5.0	15.0	0.13	3.54	0.44	81	0.02	0.147
3206120	Soil	12.09	11.98	29.77	46.6	232	7.8	1.6	31	2.10	68.3	0.8	0.8	3.1	12.0	0.09	5.46	0.27	94	<0.01	0.056
3206121	Soil	9.67	13.44	26.37	46.5	407	7.3	1.8	32	2.35	58.3	0.7	0.5	3.4	10.7	0.06	3.60	0.24	80	<0.01	0.062
3206122	Soil	10.79	28.32	25.77	52.1	221	10.0	2.3	33	1.86	35.2	1.2	0.4	0.6	12.3	0.17	2.89	0.31	73	0.02	0.059
3206123	Soil	7.76	15.59	18.68	41.9	297	8.5	1.5	27	1.56	30.6	0.9	0.4	1.3	11.4	0.07	2.40	0.19	57	<0.01	0.041
3206124	Soil	6.53	12.77	16.65	48.1	294	7.8	1.6	21	1.86	39.1	0.8	0.3	0.8	9.2	0.11	3.18	0.15	49	<0.01	0.044
3206125	Soil	9.42	15.93	27.99	46.7	219	9.4	1.9	26	1.70	42.7	0.9	0.7	3.5	13.3	0.09	2.90	0.26	57	<0.01	0.050
3206126	Soil	3.40	20.67	15.22	22.2	655	7.4	1.1	19	0.88	14.1	1.6	0.4	<0.1	7.9	0.15	1.18	0.14	22	0.01	0.049
3206127	Soil	9.46	17.79	30.11	77.8	155	17.1	3.3	79	2.77	39.5	0.9	5.3	3.8	11.1	0.13	2.55	0.36	72	0.01	0.067
3206128	Soil	8.73	31.61	29.02	94.2	306	19.8	4.0	84	2.76	34.7	1.8	2.1	0.4	17.9	0.23	2.25	0.31	60	0.05	0.153
3206129	Soil	10.30	29.66	30.77	100.2	392	20.5	4.2	82	2.88	34.9	1.1	1.6	4.0	16.7	0.27	2.57	0.29	62	0.03	0.058
3206130	Soil	14.68	20.40	55.58	63.5	428	11.3	2.4	74	2.01	36.5	1.3	2.6	0.1	21.0	0.24	4.16	0.30	70	0.01	0.090
3206131	Soil	10.11	18.63	40.67	79.2	187	15.5	2.8	56	2.53	45.2	0.9	<0.2	2.8	14.7	0.13	2.85	0.41	86	0.01	0.075
3206132	Soil	8.11	17.53	18.97	61.4	241	11.6	2.2	43	1.51	25.5	0.9	0.3	0.4	12.9	0.23	2.48	0.27	45	0.01	0.036
3206133	Soil	11.86	48.45	40.78	243.0	1960	57.6	10.5	239	4.01	92.9	4.1	3.0	7.0	29.8	1.01	4.90	0.35	61	0.22	0.271
3206134	Soil	5.34	12.44	14.66	51.4	106	10.9	1.7	36	1.27	17.4	0.6	0.3	2.7	5.5	0.10	1.67	0.17	43	<0.01	0.028
3206135	Soil	13.31	15.97	24.99	40.9	287	7.1	1.6	23	1.17	26.2	0.8	0.5	0.6	12.9	0.10	4.18	0.19	59	<0.01	0.040
3206136	Soil	7.17	8.13	10.00	22.5	215	3.4	0.9	16	0.72	13.4	0.4	<0.2	0.2	5.7	0.06	2.26	0.09	34	<0.01	0.029
3206137	Soil	13.01	12.72	30.12	36.5	363	7.0	1.5	35	1.27	29.4	0.9	0.6	2.9	11.6	0.09	3.88	0.27	61	<0.01	0.035
3206138	Soil	13.61	12.49	45.04	39.9	1347	6.9	1.3	36	3.58	59.3	0.8	0.8	3.2	11.8	0.08	5.09	0.37	98	<0.01	0.103
3206139	Soil	12.68	11.47	24.81	42.7	265	8.6	1.6	25	1.20	24.8	0.7	0.8	0.2	11.2	0.10	4.04	0.18	51	0.01	0.032
3206140	Rock Pulp	0.70	25.59	2.19	22.4	27	19.3	6.5	270	1.39	0.8	0.4	1.3	2.9	27.5	0.05	0.06	0.04	22	0.62	0.057





**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://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 04, 2018

**Page:** 5 of 8

**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
3206111	Soil	19.0	8.4	0.05	926.0	0.006	<20	0.40	0.003	0.08	<0.1	0.9	0.34	0.08	159	3.1	0.11
3206112	Soil	13.8	6.7	0.03	946.2	0.004	<20	0.29	<0.001	0.06	<0.1	0.9	0.27	0.07	185	2.7	0.10
3206113	Soil	15.6	5.3	<0.01	428.6	0.003	<20	0.19	0.003	0.06	<0.1	0.9	0.31	0.06	40	2.1	0.09
3206114	Soil	20.4	6.3	0.07	597.9	0.004	<20	0.49	0.005	0.09	0.2	0.9	0.26	0.07	193	1.9	0.03
3206115	Soil	25.0	8.3	0.10	580.5	0.005	<20	0.58	0.003	0.08	0.2	1.1	0.39	0.04	243	2.9	0.08
3206116	Soil	17.2	7.2	0.07	473.9	0.007	<20	0.50	0.008	0.07	0.1	1.2	0.37	0.04	188	2.2	0.06
3206117	Soil	26.5	9.2	0.09	494.0	0.005	<20	0.47	0.003	0.08	0.2	1.2	0.45	0.05	305	2.9	0.08
3206118	Soil	15.8	17.2	0.03	303.0	0.007	<20	0.69	0.001	0.08	<0.1	1.1	0.22	0.05	25	2.5	0.11
3206119	Soil	13.0	36.6	0.07	282.1	0.017	<20	1.26	<0.001	0.07	0.2	2.1	0.23	0.03	78	3.2	0.11
3206120	Soil	17.8	6.9	<0.01	223.4	0.016	<20	0.32	<0.001	0.05	0.2	0.8	0.20	0.03	13	2.9	0.09
3206121	Soil	17.7	7.4	0.01	200.6	0.009	<20	0.50	0.001	0.05	0.1	0.9	0.19	0.02	25	2.3	0.09
3206122	Soil	18.7	11.1	0.01	272.7	0.011	<20	0.53	0.006	0.05	0.2	0.9	0.13	<0.02	42	1.5	0.08
3206123	Soil	14.2	7.8	0.02	255.9	0.008	<20	0.63	0.007	0.06	0.1	0.8	0.25	<0.02	28	1.8	0.05
3206124	Soil	15.5	6.4	0.02	233.0	0.007	<20	0.39	0.005	0.04	0.1	0.7	0.14	0.02	27	1.7	0.06
3206125	Soil	20.2	8.5	0.02	231.4	0.018	<20	0.43	0.004	0.05	0.2	1.1	0.22	0.04	12	2.3	0.07
3206126	Soil	7.3	6.3	0.03	149.4	0.006	<20	0.47	0.010	0.05	<0.1	0.3	0.14	0.03	75	0.9	0.04
3206127	Soil	20.7	11.1	0.06	138.5	0.030	<20	0.69	0.002	0.05	0.3	1.0	0.26	<0.02	25	1.6	0.07
3206128	Soil	19.9	14.9	0.10	240.3	0.011	<20	1.19	0.001	0.06	0.3	0.8	0.31	0.03	55	2.4	0.07
3206129	Soil	17.9	13.0	0.08	206.8	0.022	<20	1.23	0.006	0.06	0.4	1.5	0.29	0.02	48	2.0	0.07
3206130	Soil	15.4	10.8	0.03	360.5	0.006	<20	0.44	0.004	0.10	0.2	0.4	0.45	0.12	38	5.5	0.10
3206131	Soil	20.6	10.5	0.05	160.3	0.033	<20	0.65	0.003	0.07	0.5	1.1	0.28	0.03	22	2.0	0.11
3206132	Soil	15.8	6.0	0.03	177.2	0.019	<20	0.45	0.003	0.05	0.3	0.7	0.24	0.03	18	1.4	0.06
3206133	Soil	17.9	28.9	0.24	323.7	0.026	<20	2.76	0.004	0.12	1.3	2.8	0.57	0.05	391	4.6	0.09
3206134	Soil	20.1	4.1	0.02	63.3	0.016	<20	0.34	<0.001	0.03	0.6	0.7	0.17	<0.02	14	0.7	0.05
3206135	Soil	16.4	6.5	0.01	279.3	0.011	<20	0.39	0.004	0.05	0.2	0.6	0.29	0.04	21	2.9	0.10
3206136	Soil	11.0	2.8	<0.01	117.2	0.007	<20	0.18	0.005	0.03	0.2	0.4	0.09	<0.02	20	1.4	0.04
3206137	Soil	17.8	6.8	0.03	202.0	0.031	<20	0.35	0.004	0.05	0.2	0.9	0.24	0.05	21	2.7	0.07
3206138	Soil	11.3	15.8	0.05	180.5	0.011	<20	0.60	0.001	0.06	0.3	1.1	0.29	0.05	106	3.7	0.10
3206139	Soil	12.5	5.9	0.02	222.1	0.007	<20	0.37	0.003	0.05	0.2	0.4	0.25	0.04	20	2.3	0.09
3206140	Rock Pulp	18.0	29.2	0.44	62.5	0.073	<20	0.73	0.074	0.11	<0.1	3.0	0.07	<0.02	9	<0.1	<0.02



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

**Fireweed Zinc Ltd.**

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

September 04, 2018

Page:

6 of 8

Part:

1 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3206141	Soil	27.98	17.23	77.25	49.2	635	9.2	2.2	34	3.07	66.7	1.6	3.7	2.5	24.3	0.15	10.32	0.39	120	<0.01	0.082
3206142	Soil	10.19	10.62	17.11	28.4	258	5.5	1.1	16	0.79	24.6	0.9	1.3	0.4	10.6	0.11	2.33	0.19	42	0.01	0.032
3206143	Soil	9.78	9.66	12.29	30.2	116	5.2	1.2	14	0.91	25.4	0.6	0.6	0.7	7.8	0.09	2.86	0.14	44	<0.01	0.024
3206144	Soil	10.63	75.24	41.82	147.0	697	34.7	10.0	217	7.61	87.4	2.2	1.0	3.1	47.2	0.22	3.82	0.34	44	0.03	0.247
3206145	Soil	12.58	129.46	40.68	431.1	551	92.0	25.1	375	13.98	101.7	2.2	0.4	6.1	35.7	0.21	4.70	0.37	62	0.02	0.311
3206146	Soil	12.46	257.79	74.37	623.8	311	136.9	29.9	376	26.85	153.0	3.5	1.9	9.3	63.2	0.17	5.06	0.64	103	<0.01	0.360
3206147	Soil	7.14	34.81	37.40	106.1	218	68.9	9.6	287	8.01	34.5	1.5	1.1	1.4	10.4	0.31	4.28	0.24	69	0.05	0.198
3206148	Soil	8.83	18.90	24.64	71.0	103	14.3	2.6	36	1.56	27.6	0.7	0.8	0.1	10.8	0.17	2.28	0.27	53	0.01	0.046
3206149	Soil	9.79	26.16	48.18	88.3	530	20.9	3.5	61	2.15	35.4	1.9	2.4	0.2	21.6	0.35	2.51	0.29	43	0.08	0.089
3206150	Soil	11.05	44.55	37.76	143.5	414	31.1	5.0	93	2.76	38.9	2.8	3.5	2.4	24.7	0.33	2.59	0.32	58	0.03	0.104
3206151	Soil	11.15	78.83	33.52	225.6	622	45.8	11.6	213	3.14	40.2	5.1	3.4	5.4	36.2	1.60	3.59	0.28	63	0.13	0.141
3206152	Soil	10.90	19.32	85.50	68.4	640	12.0	2.8	39	2.75	47.9	0.8	1.1	3.7	10.4	0.09	3.38	0.32	71	<0.01	0.096
3206153	Soil	6.55	9.48	22.27	21.1	370	4.1	0.8	16	0.63	14.1	0.7	0.8	<0.1	7.9	0.09	2.08	0.16	25	<0.01	0.038
3206154	Soil	4.92	10.61	12.80	20.4	260	4.5	1.2	17	0.61	10.4	0.6	1.4	0.5	8.4	0.07	1.34	0.13	24	0.01	0.023
3206155	Soil	7.98	21.06	32.63	38.8	511	8.5	2.1	41	1.65	21.6	1.5	2.3	0.4	11.1	0.11	2.42	0.21	47	0.01	0.047
3206156	Soil	8.70	10.00	16.83	25.3	176	5.2	0.9	14	0.74	21.4	0.6	1.2	0.2	10.4	0.08	2.55	0.19	39	<0.01	0.027
3206157	Soil	7.65	30.45	21.81	78.6	523	13.5	4.4	147	3.30	50.6	1.6	1.3	2.4	24.4	0.14	2.53	0.22	48	0.06	0.173
3206158	Soil	5.23	28.25	13.89	37.4	265	7.5	3.2	100	2.32	42.0	1.1	0.8	1.3	18.2	0.09	1.66	0.14	35	0.05	0.119
3206159	Soil	15.25	69.85	41.77	150.1	618	29.5	8.9	265	8.18	128.2	3.6	2.5	7.4	57.5	0.25	4.72	0.36	124	0.03	0.371
3206160	Soil	15.95	71.30	43.60	145.6	684	28.3	8.2	285	9.49	136.3	3.6	2.5	8.4	59.1	0.22	4.51	0.38	147	0.02	0.425
3206161	Soil	17.94	139.90	57.57	268.2	504	55.1	14.6	250	18.35	187.7	5.0	1.5	15.6	80.2	0.36	6.38	0.47	184	0.02	0.571
3206162	Soil	5.70	9.57	13.69	24.1	205	5.3	1.0	18	0.76	10.7	0.6	0.6	0.1	8.5	0.11	1.11	0.18	41	0.01	0.020
3206163	Soil	24.32	22.48	67.17	24.9	2129	5.7	1.1	13	1.95	99.2	3.0	3.5	2.0	20.9	0.15	9.26	0.30	88	<0.01	0.066
3206164	Soil	29.36	26.60	112.55	34.1	1518	8.0	1.2	20	2.56	146.6	3.0	3.8	5.0	30.1	0.18	10.97	0.41	109	0.01	0.080
3206165	Soil	22.65	19.52	62.83	19.7	701	5.3	0.6	12	1.35	68.6	2.0	0.4	0.1	16.3	0.11	5.39	0.22	72	<0.01	0.057
3206166	Soil	26.12	13.08	61.26	17.7	3145	3.7	0.5	8	1.38	62.5	0.8	2.0	0.6	16.6	0.08	6.86	0.25	83	<0.01	0.051
3206167	Soil	12.24	2.49	25.12	5.3	186	0.9	0.1	3	0.32	9.9	0.2	0.3	0.4	2.7	0.02	5.75	0.09	36	<0.01	0.011
3206168	Soil	53.79	17.21	130.68	10.3	2505	3.2	0.4	15	2.29	116.9	2.7	3.1	5.9	31.5	0.10	21.58	0.43	121	<0.01	0.070
3206169	Soil	15.17	20.25	41.51	71.5	134	13.4	3.6	72	3.58	49.5	0.9	2.8	2.8	16.9	0.11	5.07	0.32	87	<0.01	0.047
3206170	Soil	54.21	17.94	125.23	8.6	2775	3.1	0.6	6	2.29	108.8	2.9	2.4	3.5	26.3	0.10	23.34	0.43	124	<0.01	0.065



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://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 04, 2018

**Page:** 6 of 8

**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
3206141	Soil	14.3	16.1	0.05	495.1	0.015	<20	0.65	0.002	0.12	0.3	1.3	0.73	0.15	120	8.7	0.18
3206142	Soil	23.0	6.0	0.01	233.1	0.008	<20	0.31	0.002	0.03	0.2	0.5	0.22	<0.02	27	1.1	0.08
3206143	Soil	14.8	4.2	0.01	199.2	0.008	<20	0.28	0.003	0.03	0.2	0.5	0.14	<0.02	8	0.8	0.07
3206144	Soil	7.4	27.2	0.11	205.5	0.013	<20	1.22	0.013	0.10	<0.1	2.7	0.44	0.22	90	4.0	0.14
3206145	Soil	4.3	31.9	0.13	99.9	0.013	<20	1.61	0.007	0.08	<0.1	2.8	0.21	0.35	56	5.6	0.15
3206146	Soil	4.6	57.4	0.13	119.3	0.006	<20	2.51	<0.001	0.07	<0.1	3.9	0.25	0.82	63	7.4	0.22
3206147	Soil	18.4	25.3	0.05	127.6	0.019	<20	0.65	<0.001	0.04	0.3	3.7	0.21	0.03	65	2.4	0.07
3206148	Soil	17.4	7.9	0.02	125.8	0.011	<20	0.37	0.004	0.05	0.4	0.5	0.20	0.03	21	1.4	0.08
3206149	Soil	17.2	15.5	0.15	432.2	0.008	<20	0.87	0.006	0.09	0.4	0.7	0.43	0.03	143	3.6	0.06
3206150	Soil	28.0	18.7	0.18	495.2	0.012	<20	1.23	0.005	0.11	0.3	1.9	0.29	0.03	99	2.4	0.09
3206151	Soil	22.8	19.5	0.30	1967.3	0.022	<20	1.32	0.004	0.18	0.3	2.4	0.35	0.07	173	2.0	0.10
3206152	Soil	18.3	10.1	0.03	151.8	0.029	<20	0.57	0.003	0.06	0.6	0.9	0.27	0.03	88	1.9	0.09
3206153	Soil	10.2	3.9	0.02	172.9	0.005	<20	0.30	0.006	0.05	0.1	0.3	0.24	0.03	27	1.8	0.05
3206154	Soil	12.0	5.0	0.02	109.2	0.014	<20	0.26	0.016	0.04	0.2	0.5	0.14	<0.02	15	0.7	0.04
3206155	Soil	11.7	9.0	0.06	179.0	0.013	<20	0.68	0.004	0.06	0.2	0.6	0.28	0.04	116	2.1	0.06
3206156	Soil	18.0	5.4	0.02	183.4	0.009	<20	0.40	0.004	0.04	0.1	0.4	0.21	<0.02	21	1.2	0.05
3206157	Soil	5.2	15.5	0.07	177.9	0.016	<20	0.71	0.015	0.08	<0.1	1.7	0.31	0.11	60	3.2	0.07
3206158	Soil	3.0	11.3	0.05	107.5	0.014	<20	0.60	0.021	0.06	<0.1	1.1	0.22	0.07	38	1.9	0.06
3206159	Soil	5.6	34.6	0.08	306.2	0.014	<20	1.07	0.012	0.17	<0.1	3.2	0.65	0.40	201	8.3	0.14
3206160	Soil	5.9	34.7	0.08	337.1	0.012	<20	1.15	0.014	0.20	0.2	3.1	0.68	0.47	224	8.6	0.16
3206161	Soil	7.1	67.4	0.12	270.2	0.010	<20	2.51	0.003	0.13	<0.1	5.2	0.51	0.68	74	8.6	0.17
3206162	Soil	18.0	5.9	0.02	125.2	0.007	<20	0.46	0.003	0.05	<0.1	0.3	0.17	<0.02	21	0.5	0.05
3206163	Soil	12.5	14.4	0.05	982.5	0.009	<20	0.52	0.004	0.11	0.2	1.2	0.45	0.14	265	10.1	0.15
3206164	Soil	14.0	18.4	0.06	941.4	0.009	<20	0.65	0.002	0.15	0.2	1.8	0.62	0.22	288	13.2	0.21
3206165	Soil	10.4	10.6	0.01	434.9	0.004	<20	0.42	0.005	0.08	0.2	0.4	0.31	0.10	50	6.2	0.13
3206166	Soil	11.8	6.3	0.01	374.1	0.006	<20	0.40	0.006	0.09	0.2	0.6	0.36	0.12	62	7.4	0.12
3206167	Soil	12.2	1.8	<0.01	66.5	0.006	<20	0.10	0.001	0.03	0.2	0.3	0.16	0.03	21	2.0	0.08
3206168	Soil	10.5	11.7	0.03	1093.4	0.011	<20	0.35	0.003	0.25	0.4	1.6	1.24	0.42	637	24.4	0.37
3206169	Soil	15.2	14.8	0.08	270.6	0.019	<20	0.81	0.001	0.06	0.3	1.1	0.30	0.03	36	4.4	0.14
3206170	Soil	9.6	10.7	0.02	1064.7	0.012	<20	0.31	0.005	0.25	0.4	1.3	1.16	0.43	747	27.9	0.35



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://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 04, 2018

Page:

7 of 8

Part:

1 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3206171	Soil	20.31	28.85	56.51	37.2	1745	7.2	1.8	20	4.11	143.3	2.8	4.1	9.3	32.7	0.09	6.57	0.36	73	<0.01	0.156
3206172	Soil	16.83	13.50	71.72	26.6	1364	5.4	0.9	12	1.97	137.2	1.4	4.7	4.1	26.0	0.07	4.05	0.39	59	0.01	0.087
3206173	Soil	17.16	16.59	53.62	28.8	1067	4.9	0.8	10	1.56	100.4	0.9	2.1	1.1	29.3	0.09	3.95	0.38	45	0.01	0.070
3206174	Soil	5.43	10.37	16.47	8.4	1609	4.3	0.7	11	0.54	17.2	0.7	1.9	<0.1	13.9	0.10	1.44	0.15	15	0.02	0.038
3206175	Soil	27.01	18.45	115.21	15.1	2234	3.9	0.5	12	1.81	79.9	4.6	2.4	8.6	37.6	0.07	14.44	0.43	52	<0.01	0.082
3206176	Soil	12.65	45.27	63.09	75.5	689	15.6	3.5	159	6.15	175.7	3.3	3.4	6.6	27.5	0.15	6.59	0.37	52	0.02	0.247
3206177	Soil	14.40	60.48	65.64	114.1	512	19.2	3.9	86	9.02	207.7	3.5	3.9	15.1	37.9	0.13	6.22	0.54	74	<0.01	0.311
3206178	Soil	6.70	44.34	34.13	90.8	267	15.1	3.1	77	8.09	166.3	2.1	3.4	13.8	28.0	0.06	3.90	0.43	43	0.02	0.258
3206179	Soil	7.12	36.50	22.22	71.4	205	13.1	3.2	74	5.01	67.7	1.7	1.9	7.3	23.0	0.07	2.47	0.19	43	0.05	0.212
3206180	Rock Pulp	0.79	26.83	2.38	22.6	28	19.2	6.2	267	1.44	0.9	0.5	1.4	3.4	32.6	0.04	0.07	<0.02	22	0.62	0.056
3206181	Soil	24.46	88.61	71.95	165.1	457	31.0	6.1	124	14.74	214.7	4.4	2.1	24.8	53.2	0.19	6.63	0.64	122	<0.01	0.532
3206182	Soil	30.96	106.71	82.16	206.5	649	37.9	8.0	124	18.40	244.4	4.4	2.9	29.7	61.3	0.22	8.24	0.67	144	<0.01	0.633
3206183	Soil	32.10	26.17	106.81	30.3	2204	7.4	0.8	16	2.39	139.4	2.0	6.3	1.8	33.3	0.13	12.47	0.41	101	<0.01	0.077
3206184	Soil	15.91	13.95	45.49	15.1	1498	6.5	0.5	13	1.09	53.8	1.5	2.3	0.4	21.2	0.10	6.10	0.20	48	0.05	0.049
3206185	Soil	16.50	77.19	45.25	267.1	637	66.8	10.9	199	3.83	66.7	3.3	4.5	8.1	41.6	0.53	5.81	0.33	60	0.11	0.197
3206186	Soil	9.82	51.83	35.57	196.3	347	55.9	6.5	122	3.59	47.6	2.3	3.2	8.0	18.5	0.37	3.55	0.30	54	0.03	0.101
3206187	Soil	12.15	31.91	34.76	127.0	335	29.3	4.0	82	3.40	46.9	1.5	2.2	4.0	18.5	0.27	3.19	0.33	66	0.02	0.144
3206188	Soil	36.70	37.04	92.76	106.9	1107	23.6	2.7	61	6.31	87.4	1.2	1.9	3.3	29.0	0.12	10.41	0.51	88	<0.01	0.259
3206189	Soil	12.18	20.26	55.40	66.9	1627	12.6	2.1	57	4.49	55.9	1.1	1.6	2.0	28.5	0.13	4.57	0.36	75	<0.01	0.151
3206190	Soil	11.27	27.20	62.87	76.3	666	15.9	2.8	75	4.81	58.8	1.3	3.6	2.6	16.3	0.11	4.82	0.40	85	0.02	0.181
3206191	Soil	29.17	14.42	91.56	15.1	1995	5.8	0.5	10	1.17	78.5	3.3	4.9	0.1	41.5	0.18	7.67	0.29	82	0.04	0.079
3206192	Soil	8.94	9.98	18.09	14.9	1081	4.3	0.7	13	0.59	22.0	1.0	1.4	0.2	12.8	0.09	2.45	0.10	28	0.02	0.036
3206193	Soil	14.69	14.14	13.91	40.5	694	7.5	1.3	21	1.15	22.3	0.6	0.3	1.3	6.9	0.05	3.10	0.13	47	<0.01	0.027
3206194	Soil	20.30	22.61	28.79	28.8	820	9.6	1.2	21	1.12	25.2	1.8	2.6	0.3	18.4	0.29	4.05	0.18	59	0.02	0.038
3206195	Soil	25.90	18.66	41.71	26.8	1058	7.6	0.9	17	1.14	40.0	2.6	1.6	0.8	23.2	0.25	6.53	0.23	68	0.01	0.043
3206196	Soil	20.10	10.16	14.46	40.8	399	7.3	1.1	22	1.02	26.1	0.4	0.4	0.2	7.9	0.05	4.31	0.12	54	<0.01	0.030
3206197	Soil	54.10	16.34	74.30	78.2	552	11.6	1.5	29	2.31	48.4	1.8	1.1	0.8	52.1	0.10	19.71	0.44	78	<0.01	0.055
3206198	Soil	48.59	11.57	134.58	56.3	1524	6.5	0.8	19	1.75	46.9	1.1	3.3	2.6	40.7	0.06	14.16	0.42	150	<0.01	0.065
3206199	Soil	37.88	8.95	57.78	35.9	973	3.6	0.6	11	1.12	32.8	1.4	0.7	0.4	29.4	0.06	8.48	0.25	88	<0.01	0.040
3206200	Soil	37.68	10.18	65.00	37.0	1197	4.1	0.6	12	1.12	33.2	1.4	0.7	0.3	31.1	0.07	8.58	0.25	88	<0.01	0.045



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

[www.bureauveritas.com/um](http://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 04, 2018

**Page:** 7 of 8

**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
3206171	Soil	9.6	18.7	0.04	689.6	0.005	<20	0.59	0.003	0.18	<0.1	2.1	0.94	0.30	321	7.8	0.13
3206172	Soil	13.5	7.7	0.01	503.3	0.004	<20	0.50	0.003	0.13	<0.1	1.2	0.76	0.20	93	4.7	0.12
3206173	Soil	15.7	6.7	<0.01	308.9	0.005	<20	0.30	0.002	0.09	<0.1	0.7	0.41	0.12	26	2.4	0.10
3206174	Soil	6.3	3.6	0.01	170.3	0.006	<20	0.37	0.021	0.04	<0.1	0.3	0.22	0.04	67	0.8	0.05
3206175	Soil	12.7	10.9	0.03	881.3	0.008	<20	0.31	0.005	0.14	<0.1	2.2	0.82	0.25	561	10.6	0.11
3206176	Soil	13.5	26.4	0.06	404.4	0.005	<20	0.72	0.006	0.14	<0.1	2.8	0.52	0.29	154	4.4	0.10
3206177	Soil	14.6	33.1	0.10	351.3	0.007	<20	1.10	0.005	0.14	<0.1	3.7	0.54	0.32	72	4.8	0.12
3206178	Soil	9.6	25.7	0.08	127.9	0.010	<20	1.05	0.017	0.10	<0.1	2.7	0.32	0.17	52	3.1	0.09
3206179	Soil	3.9	20.4	0.06	104.6	0.021	<20	0.71	0.022	0.06	<0.1	2.0	0.22	0.10	39	2.7	0.08
3206180	Rock Pulp	17.6	29.1	0.45	59.2	0.081	<20	0.74	0.078	0.11	<0.1	2.8	0.07	<0.02	11	<0.1	<0.02
3206181	Soil	6.8	55.3	0.11	259.6	0.010	<20	1.38	0.004	0.13	<0.1	5.1	0.54	0.48	104	9.2	0.23
3206182	Soil	7.1	70.9	0.12	264.1	0.009	<20	1.50	0.003	0.13	<0.1	6.5	0.53	0.66	92	11.7	0.27
3206183	Soil	15.8	14.7	0.04	675.2	0.011	<20	0.62	0.005	0.13	0.2	1.3	0.58	0.19	141	12.0	0.20
3206184	Soil	8.2	8.2	0.03	408.7	0.011	<20	0.55	0.020	0.07	0.2	0.7	0.34	0.08	157	6.1	0.06
3206185	Soil	22.6	23.7	0.22	255.0	0.016	<20	1.50	0.003	0.11	0.5	3.0	0.43	0.05	108	4.6	0.14
3206186	Soil	23.5	24.5	0.20	193.4	0.016	<20	1.71	0.002	0.08	0.7	2.9	0.35	0.03	139	2.7	0.11
3206187	Soil	21.8	17.1	0.07	137.0	0.015	<20	0.97	0.003	0.05	0.5	1.4	0.31	0.04	39	2.6	0.10
3206188	Soil	14.0	16.0	0.06	545.8	0.024	<20	0.61	0.008	0.13	0.5	1.3	1.25	0.19	168	9.7	0.24
3206189	Soil	13.3	20.3	0.08	289.5	0.023	<20	0.84	0.003	0.08	0.5	1.3	0.49	0.09	140	3.4	0.12
3206190	Soil	15.0	25.4	0.15	240.5	0.041	<20	1.01	0.003	0.09	1.7	1.7	0.48	0.06	76	2.9	0.12
3206191	Soil	9.7	13.0	0.04	1035.5	0.007	<20	0.44	0.011	0.05	0.4	0.4	1.04	0.06	511	8.3	0.15
3206192	Soil	6.3	5.3	0.01	213.4	0.012	<20	0.21	0.019	0.04	0.1	0.4	0.27	0.03	127	1.9	0.06
3206193	Soil	19.3	5.2	<0.01	100.7	0.012	<20	0.22	0.003	0.03	0.2	0.5	0.21	<0.02	69	2.1	0.08
3206194	Soil	19.5	12.9	0.01	446.3	0.009	<20	0.36	0.008	0.06	0.2	0.5	0.31	0.06	85	3.5	0.09
3206195	Soil	16.4	9.6	0.01	528.5	0.011	<20	0.34	0.008	0.06	0.3	0.7	0.55	0.07	105	5.1	0.13
3206196	Soil	10.7	4.2	<0.01	97.2	0.006	<20	0.15	0.006	0.03	0.2	0.4	0.26	<0.02	42	2.1	0.12
3206197	Soil	14.9	7.4	<0.01	153.0	0.005	<20	0.17	0.002	0.05	0.2	0.7	0.51	0.06	34	6.4	0.37
3206198	Soil	16.6	9.0	0.01	801.3	0.016	<20	0.18	0.003	0.13	0.5	0.7	0.97	0.23	54	11.0	0.20
3206199	Soil	18.2	6.4	<0.01	525.6	0.007	<20	0.20	0.002	0.07	0.3	0.5	0.53	0.10	48	6.6	0.16
3206200	Soil	18.3	7.6	0.01	551.1	0.007	<20	0.22	0.003	0.07	0.4	0.5	0.57	0.10	47	6.4	0.20



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

[www.bureauveritas.com/um](http://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 04, 2018

**Page:** 8 of 8

**Part:** 1 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3206201	Soil	64.77	23.95	81.66	49.8	2130	7.1	0.9	24	2.76	65.3	5.5	5.5	5.4	68.1	0.11	20.72	0.48	139	<0.01	0.087
3206202	Soil	25.62	8.36	70.04	14.2	1210	3.5	0.4	15	0.96	77.9	1.7	3.7	0.5	27.8	0.06	7.51	0.25	72	0.01	0.037
3206203	Soil	35.39	10.17	65.44	15.8	1535	4.3	0.5	17	3.16	84.7	1.4	3.2	0.1	98.1	0.08	9.09	0.35	142	0.02	0.130
3206204	Soil	89.53	12.50	208.61	17.3	3600	6.5	0.6	22	2.35	63.5	4.6	2.9	6.3	162.0	0.15	19.84	0.82	105	0.01	0.119
3206205	Soil	40.55	11.53	50.28	16.8	934	3.3	0.3	11	0.95	35.7	1.8	1.6	0.3	25.7	0.06	11.58	0.24	90	<0.01	0.040
3206206	Soil	94.80	17.20	119.95	17.7	2536	6.8	0.6	45	2.71	63.0	3.1	4.7	2.8	44.0	0.13	20.72	0.32	141	0.08	0.077
3206207	Soil	86.33	31.34	74.92	37.1	2947	8.0	1.3	48	3.91	140.6	7.5	2.0	6.0	85.3	0.16	27.49	0.51	272	0.02	0.139
3206208	Soil	65.39	33.28	42.45	31.9	2341	8.2	1.4	74	2.94	128.2	7.9	4.3	1.3	100.8	0.13	21.04	0.33	239	0.04	0.155
3206209	Soil	135.57	51.91	73.65	90.2	5197	19.0	1.6	85	4.59	133.8	10.1	3.4	6.8	87.7	0.52	43.98	0.61	437	0.01	0.161
3206210	Soil	91.37	39.93	91.92	138.3	5152	22.3	2.5	77	3.94	141.2	11.3	4.0	0.6	308.8	0.33	25.10	0.54	322	0.09	0.359
3206241	Soil	58.23	32.34	139.51	36.6	3559	8.7	1.1	22	3.94	172.1	4.1	9.7	8.0	33.9	0.14	26.74	0.50	161	<0.01	0.073
3206242	Soil	30.07	19.73	140.98	30.2	2968	7.0	0.8	14	2.27	153.4	1.5	1.9	4.4	24.0	0.09	12.16	0.49	98	<0.01	0.053
3206243	Soil	2.40	12.02	9.25	6.1	2729	2.6	0.6	11	0.57	16.0	0.9	0.9	<0.1	5.9	0.11	0.94	0.06	13	0.02	0.025
3206244	Soil	3.42	9.13	10.59	8.5	1705	3.1	0.7	12	0.60	16.2	0.9	<0.2	<0.1	7.0	0.10	1.38	0.07	16	0.02	0.031
3206245	Soil	31.96	28.35	72.27	64.7	1707	16.0	2.6	63	2.94	106.9	3.3	1.8	1.5	30.2	0.20	12.42	0.41	98	0.01	0.106
3206246	Soil	17.55	46.10	66.04	79.4	1314	19.3	3.7	83	4.31	222.8	4.6	5.1	2.3	27.2	0.23	9.56	0.62	77	0.03	0.169
3206247	Soil	186.02	29.02	230.97	27.1	4604	5.3	0.9	43	5.29	249.8	5.3	2.6	4.9	65.4	0.25	58.58	0.71	321	0.01	0.137
3206248	Soil	39.83	14.92	52.27	51.1	1894	6.6	0.8	14	1.82	60.0	2.9	5.3	0.3	41.9	0.12	10.50	0.37	148	0.01	0.074
3206249	Soil	43.14	20.68	100.42	42.2	1745	8.5	1.7	65	2.63	105.0	3.6	2.7	2.5	34.6	0.13	18.69	0.48	154	0.02	0.104
3206250	Soil	42.26	23.18	137.10	46.1	2641	13.2	3.5	139	3.50	117.5	2.9	4.3	3.0	25.0	0.11	23.60	0.58	152	0.05	0.115



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://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 04, 2018

**Page:** 8 of 8

**Part:** 2 of 2

# CERTIFICATE OF ANALYSIS

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
3206201	Soil	14.4	18.0	0.07	2212.4	0.014	<20	0.64	0.004	0.19	0.4	1.9	1.58	0.34	650	20.1	0.28
3206202	Soil	14.5	9.1	0.02	494.1	0.010	<20	0.27	0.004	0.08	0.3	0.6	0.62	0.14	228	6.9	0.10
3206203	Soil	7.5	13.8	0.02	1218.8	0.006	<20	0.32	0.006	0.31	0.4	0.3	1.01	0.67	164	11.9	0.19
3206204	Soil	10.8	21.8	0.02	1545.4	0.025	<20	0.28	0.004	0.31	1.5	1.2	1.40	0.55	215	22.4	0.48
3206205	Soil	14.2	10.1	0.01	435.1	0.008	<20	0.22	0.003	0.09	0.5	0.5	0.81	0.14	241	8.3	0.22
3206206	Soil	6.1	14.6	0.02	966.2	0.023	<20	0.36	0.025	0.36	0.7	1.0	1.83	0.79	220	22.0	0.37
3206207	Soil	11.7	34.0	0.09	814.7	0.026	<20	0.45	0.005	0.46	1.3	3.1	3.84	0.94	1099	36.1	0.48
3206208	Soil	9.9	35.1	0.08	846.8	0.017	<20	0.57	0.011	0.21	0.9	2.8	2.10	0.45	180	24.0	0.42
3206209	Soil	10.4	40.7	0.04	728.1	0.020	<20	0.56	0.006	0.46	1.7	2.6	5.47	1.02	1503	39.9	0.73
3206210	Soil	11.0	58.7	0.14	995.6	0.010	<20	1.06	0.003	0.21	1.3	1.6	2.42	0.42	460	17.7	0.46
3206241	Soil	9.3	25.4	0.06	743.2	0.015	<20	0.75	0.003	0.25	0.7	1.7	1.38	0.47	1188	21.4	0.30
3206242	Soil	14.8	13.2	0.02	427.0	0.011	<20	0.63	0.003	0.08	0.3	1.2	0.45	0.11	61	6.8	0.17
3206243	Soil	2.3	4.7	0.02	124.7	0.014	<20	0.41	0.020	0.03	<0.1	0.5	0.10	0.02	72	1.0	<0.02
3206244	Soil	2.3	5.4	0.01	118.2	0.008	<20	0.33	0.020	0.03	<0.1	0.4	0.12	0.03	74	1.3	0.03
3206245	Soil	12.2	29.3	0.12	750.1	0.016	<20	0.56	0.006	0.22	0.5	1.7	1.17	0.41	149	12.5	0.17
3206246	Soil	16.8	38.3	0.20	765.8	0.013	<20	0.97	0.006	0.15	0.2	2.8	0.58	0.21	129	7.7	0.13
3206247	Soil	6.4	25.0	0.05	240.9	0.030	<20	0.29	0.009	0.66	2.0	1.8	2.70	1.34	284	85.6	0.81
3206248	Soil	12.4	15.9	0.03	826.3	0.009	<20	0.44	0.008	0.17	0.5	0.7	1.31	0.32	179	13.1	0.19
3206249	Soil	17.7	20.7	0.08	866.8	0.018	<20	0.51	0.004	0.19	0.4	1.6	1.20	0.33	295	18.4	0.31
3206250	Soil	15.4	22.5	0.13	756.8	0.021	<20	0.63	0.004	0.18	0.3	1.7	0.98	0.32	257	21.2	0.39



**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://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 04, 2018

**Page:**

1 of 2

**Part:**

1 of 2

## QUALITY CONTROL REPORT

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
Pulp Duplicates																					
3201582	Soil	8.29	24.41	36.11	106.7	368	26.7	3.6	86	4.71	53.3	1.4	1.2	4.7	15.7	0.23	2.43	0.31	77	0.04	0.152
REP 3201582	QC	8.69	25.19	38.71	107.9	378	25.6	4.0	81	4.60	56.5	1.5	1.1	4.8	17.0	0.22	2.54	0.33	77	0.04	0.182
3201618	Soil	53.85	19.21	92.34	19.6	3192	6.8	0.5	27	2.91	196.5	4.0	2.1	12.4	57.8	0.11	21.78	0.63	123	0.01	0.140
REP 3201618	QC	52.68	19.50	98.13	21.0	3290	6.9	0.5	28	2.91	198.3	4.1	2.0	12.9	60.1	0.12	22.97	0.64	122	0.01	0.143
3206094	Soil	3.94	40.59	24.19	51.8	343	10.6	2.1	45	1.99	34.2	0.8	23.6	1.4	8.3	0.06	2.19	0.31	30	<0.01	0.046
REP 3206094	QC	4.05	38.30	24.01	53.8	341	11.0	2.0	46	1.97	34.1	0.8	7.4	1.4	8.4	0.06	2.20	0.31	31	<0.01	0.044
3206130	Soil	14.68	20.40	55.58	63.5	428	11.3	2.4	74	2.01	36.5	1.3	2.6	0.1	21.0	0.24	4.16	0.30	70	0.01	0.090
REP 3206130	QC	14.96	20.84	54.97	68.1	461	12.5	2.8	71	2.10	38.2	1.4	1.4	0.1	21.9	0.23	4.31	0.32	72	0.01	0.085
3206166	Soil	26.12	13.08	61.26	17.7	3145	3.7	0.5	8	1.38	62.5	0.8	2.0	0.6	16.6	0.08	6.86	0.25	83	<0.01	0.051
REP 3206166	QC	24.72	12.54	59.60	18.4	3145	3.5	0.5	6	1.42	62.7	0.8	1.6	0.6	14.6	0.09	7.05	0.24	85	<0.01	0.045
3206202	Soil	25.62	8.36	70.04	14.2	1210	3.5	0.4	15	0.96	77.9	1.7	3.7	0.5	27.8	0.06	7.51	0.25	72	0.01	0.037
REP 3206202	QC	24.83	8.52	65.96	14.2	1178	3.2	0.4	15	0.97	73.8	1.7	2.7	0.5	26.8	0.08	7.18	0.23	74	0.01	0.037
3206248	Soil	39.83	14.92	52.27	51.1	1894	6.6	0.8	14	1.82	60.0	2.9	5.3	0.3	41.9	0.12	10.50	0.37	148	0.01	0.074
REP 3206248	QC	39.62	15.24	51.02	51.8	1912	6.1	0.7	14	1.80	57.2	2.9	2.5	0.3	42.4	0.12	10.81	0.37	145	0.01	0.083
Reference Materials																					
STD DS11	Standard	13.53	154.34	133.15	339.3	1654	80.5	14.0	1021	3.06	42.5	2.4	51.8	7.6	66.0	2.32	8.15	12.02	47	1.03	0.072
STD DS11	Standard	14.73	168.16	137.99	355.2	1777	83.4	14.5	1046	3.14	43.8	2.6	69.5	8.0	70.5	2.42	7.40	12.44	49	1.06	0.070
STD DS11	Standard	13.88	150.51	135.75	326.6	1856	75.7	12.8	1043	3.08	46.6	2.5	55.6	7.2	67.4	2.56	6.74	11.95	50	1.01	0.070
STD DS11	Standard	14.43	159.39	143.23	334.6	1842	80.1	13.9	1075	3.18	46.8	3.1	76.0	8.5	67.2	2.76	6.95	12.56	49	1.09	0.073
STD DS11	Standard	14.25	146.81	134.01	338.7	1677	76.1	14.0	973	3.22	42.0	2.6	66.9	6.6	61.2	2.54	6.67	11.70	53	1.06	0.064
STD DS11	Standard	14.64	155.35	142.97	351.8	1614	86.1	13.2	1036	3.11	45.2	2.6	64.3	7.8	69.4	2.55	6.76	12.33	50	1.05	0.076
STD DS11	Standard	14.03	147.87	134.49	333.7	1705	78.0	13.8	1056	3.20	45.5	2.5	65.1	7.2	69.7	2.32	6.87	11.71	49	1.07	0.067
STD OREAS45EA	Standard	1.76	674.61	15.63	32.2	266	378.8	53.3	406	22.56	11.8	2.1	61.8	11.6	4.1	<0.01	0.40	0.29	299	0.03	0.028
STD OREAS45EA	Standard	1.69	675.60	14.40	32.2	256	380.8	54.5	410	22.47	11.4	1.9	49.2	10.4	3.9	0.01	0.30	0.24	294	0.03	0.029
STD OREAS45EA	Standard	1.73	727.92	16.42	34.3	300	416.2	52.1	430	23.43	12.5	2.0	74.0	12.0	4.4	<0.01	0.29	0.29	321	0.03	0.030
STD OREAS45EA	Standard	1.83	742.38	16.63	33.8	293	438.6	58.7	427	22.87	12.7	2.1	56.0	11.9	4.3	<0.01	0.27	0.30	340	0.03	0.029
STD OREAS45EA	Standard	1.66	701.50	15.08	29.4	269	407.3	51.3	360	23.62	11.8	1.9	53.6	9.6	3.6	0.02	0.32	0.27	315	0.03	0.029
STD OREAS45EA	Standard	1.57	736.58	16.64	27.6	282	425.0	57.5	355	25.75	12.5	1.8	55.1	12.0	4.3	0.02	0.29	0.31	328	0.03	0.034





**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://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 04, 2018

Page:

1 of 2

Part:

2 of 2

## QUALITY CONTROL REPORT

WHI18000647.1

	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
3201582	Soil	15.5	25.3	0.13	172.8	0.020	<20	1.47	0.002	0.08	0.5	2.0	0.29	0.03	64	2.4	0.07	5.8
REP 3201582	QC	16.4	25.9	0.15	191.5	0.022	<20	1.45	0.003	0.08	0.5	2.2	0.31	0.03	74	2.3	0.08	6.2
3201618	Soil	16.5	16.5	0.06	1272.6	0.012	<20	0.49	0.003	0.32	0.1	2.9	1.64	0.55	390	28.4	0.41	3.5
REP 3201618	QC	17.2	17.4	0.06	1249.1	0.013	<20	0.48	0.003	0.32	0.1	3.0	1.70	0.53	385	28.7	0.43	3.6
3206094	Soil	36.5	6.3	<0.01	105.8	0.005	<20	0.28	<0.001	0.05	<0.1	0.9	0.11	<0.02	35	2.1	0.11	1.6
REP 3206094	QC	34.6	6.3	<0.01	95.9	0.005	<20	0.28	<0.001	0.05	<0.1	1.0	0.11	<0.02	31	1.9	0.10	1.7
3206130	Soil	15.4	10.8	0.03	360.5	0.006	<20	0.44	0.004	0.10	0.2	0.4	0.45	0.12	38	5.5	0.10	3.0
REP 3206130	QC	14.9	10.8	0.02	366.4	0.006	<20	0.44	0.003	0.10	0.2	0.4	0.43	0.12	33	5.8	0.10	3.0
3206166	Soil	11.8	6.3	0.01	374.1	0.006	<20	0.40	0.006	0.09	0.2	0.6	0.36	0.12	62	7.4	0.12	2.6
REP 3206166	QC	12.0	6.7	0.01	341.6	0.006	<20	0.41	0.007	0.10	0.3	0.6	0.35	0.12	72	6.9	0.14	2.5
3206202	Soil	14.5	9.1	0.02	494.1	0.010	<20	0.27	0.004	0.08	0.3	0.6	0.62	0.14	228	6.9	0.10	2.4
REP 3206202	QC	14.1	8.7	0.02	480.5	0.010	<20	0.27	0.004	0.08	0.3	0.6	0.62	0.14	220	6.3	0.11	2.3
3206248	Soil	12.4	15.9	0.03	826.3	0.009	<20	0.44	0.008	0.17	0.5	0.7	1.31	0.32	179	13.1	0.19	3.2
REP 3206248	QC	11.9	15.9	0.03	807.1	0.009	<20	0.43	0.007	0.17	0.5	0.7	1.32	0.32	198	12.4	0.21	3.0
Reference Materials																		
STD DS11	Standard	17.1	56.8	0.83	396.9	0.091	<20	1.07	0.069	0.38	2.6	3.0	4.77	0.29	244	2.1	4.39	4.7
STD DS11	Standard	19.3	59.2	0.85	437.0	0.098	<20	1.15	0.074	0.40	2.7	3.2	4.91	0.29	249	2.0	4.75	4.9
STD DS11	Standard	18.6	57.2	0.83	421.4	0.095	<20	1.13	0.071	0.39	2.4	3.2	4.95	0.27	253	2.4	4.65	5.2
STD DS11	Standard	19.5	60.1	0.86	410.5	0.099	<20	1.16	0.075	0.41	2.7	3.3	5.21	0.28	279	2.0	4.62	5.2
STD DS11	Standard	17.8	54.4	0.86	395.8	0.086	<20	1.18	0.074	0.41	2.8	2.8	4.90	0.29	269	2.2	4.42	5.1
STD DS11	Standard	18.7	60.4	0.82	373.2	0.093	<20	1.11	0.069	0.39	2.7	3.2	5.01	0.29	301	2.0	4.82	5.2
STD DS11	Standard	19.4	59.5	0.86	406.5	0.096	<20	1.15	0.073	0.41	3.0	3.3	4.80	0.28	256	2.2	4.61	4.9
STD OREAS45EA	Standard	7.4	830.3	0.09	150.9	0.107	<20	3.08	0.021	0.05	<0.1	79.7	0.07	0.04	13	1.2	0.13	12.5
STD OREAS45EA	Standard	7.6	789.0	0.09	144.8	0.103	<20	3.14	0.021	0.06	<0.1	77.9	0.06	0.04	11	1.6	0.10	12.6
STD OREAS45EA	Standard	8.2	867.1	0.10	174.4	0.111	<20	3.49	0.024	0.06	<0.1	77.8	0.08	0.04	15	1.0	0.08	13.9
STD OREAS45EA	Standard	8.2	923.7	0.10	159.9	0.112	<20	3.58	0.022	0.06	<0.1	79.9	0.07	0.03	14	1.2	0.06	13.0
STD OREAS45EA	Standard	7.5	854.4	0.09	146.4	0.096	<20	3.42	0.023	0.06	<0.1	74.1	0.07	0.04	13	1.0	0.11	12.5
STD OREAS45EA	Standard	7.9	754.6	0.10	158.6	0.108	<20	3.58	0.025	0.06	<0.1	82.7	0.08	0.04	13	1.1	0.11	14.6



**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://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 04, 2018

**Page:**

2 of 2

**Part:**

1 of 2

## QUALITY CONTROL REPORT

WHI18000647.1

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.1	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 1	AQ250 Ca % 0.01	AQ250 P % 0.001
STD OREAS45EA	Standard	1.61	726.29	14.83	33.0	288	409.7	59.7	429	25.58	11.8	2.0	49.9	11.2	4.5	<0.01	0.28	0.28	333	0.03	0.028
STD OREAS45EA Expected		1.6	709	14.3	31.4	260	381	52	400	22.65	11.4	1.73	53	10.7	4.05	0.03	0.32	0.26	303	0.036	0.029
STD DS11 Expected		13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
BLK	Blank	<0.01	0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	4	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	0.04	0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	0.5	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	0.04	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001



**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://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 04, 2018

Page:

2 of 2

Part:

2 of 2

## QUALITY CONTROL REPORT

WHI18000647.1

		AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.1	AQ250 Sc ppm 0.1	AQ250 Ti ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1
STD OREAS45EA	Standard	8.3	896.7	0.10	160.4	0.108	<20	3.49	0.019	0.06	<0.1	82.1	0.07	0.03	18	1.3	0.09	13.4
STD OREAS45EA Expected		7.06	849	0.095	148	0.0984		3.32	0.02	0.053		78	0.072	0.036	10	0.78	0.1	12.4
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	7	<0.1	<0.02	<0.1