



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: October 02, 2020
Analysis Start: January 08, 2021
Report Date: January 20, 2021
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CERTIFICATE OF ANALYSIS

WHI20000501.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ20-BV-008
P.O. Number
Number of Samples: 98

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-500	96	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	2	Sort, label and box pulps			WHI
CRUBW	96	Extra clean rock wash between samples in crusher			WHI
PULSW	96	Extra Wash with Silica between each sample			VAN
AQ270	98	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	98	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
SHP01	98	Per sample shipping charges for branch shipments			VAN
TC000	98	Total C/S Analysis by Leco	0.1	Completed	VAN
TC007	98	Graphite and Organic C by Leco After Ignition	0.1	Completed	VAN
TC006	98	Inorganic Carbon	0.2	Completed	VAN
TC010	98	Analysis by Leco after sodium carbonate leach	0.1	Completed	VAN

ADDITIONAL COMMENTS

V205 from LF725 is Qualitative Data only.

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

CC:



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.



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CERTIFICATE OF ANALYSIS

WHI20000501.1

	Method	Analyte	Unit	MDL	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270			
					Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
					kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3205201	Drill Core	5.08	1.2	183.6	904.2	135800	32.2	32.7	14.8	1424	6.13	53	0.9	2.4	30	735.6	98.2	<0.5	41	0.16	0.057			
3205202	Drill Core	4.35	1.4	163.6	515.0	119566	27.2	34.5	13.4	1449	6.18	54	1.1	1.7	28	664.3	83.5	<0.5	43	0.15	0.050			
3205203	Drill Core	3.34	1.9	173.5	101.2	112237	23.0	29.3	9.0	1143	5.54	61	1.4	1.6	30	613.8	63.2	<0.5	53	0.13	0.040			
3205204	Drill Core	4.92	1.3	135.8	126.5	79208	20.7	45.5	12.1	1470	6.39	107	1.4	1.1	31	440.4	65.2	<0.5	35	0.16	0.062			
3205205	Drill Core	4.42	1.1	48.2	88.6	20868	4.0	44.5	7.4	1742	6.25	76	0.8	0.7	31	133.5	27.1	<0.5	34	0.21	0.071			
3205206	Drill Core	3.96	1.9	22.4	73.6	1580	2.0	43.3	7.0	1524	6.21	78	0.9	1.0	24	10.4	20.5	<0.5	38	0.11	0.033			
3205207	Drill Core	4.50	2.6	67.5	197.4	15415	4.5	67.0	11.1	661	5.83	147	1.5	1.6	75	113.2	39.0	<0.5	42	0.38	0.174			
3205208	Drill Core	4.60	3.0	39.5	84.0	14833	3.3	38.4	7.2	1810	5.86	49	1.6	2.0	76	104.2	24.1	<0.5	52	0.31	0.137			
3205209	Drill Core	3.76	2.7	23.7	77.3	3417	1.8	48.9	7.9	2048	6.26	51	1.3	1.7	42	25.2	24.5	<0.5	57	0.18	0.064			
3205210	Drill Core	4.65	2.7	192.9	63.8	97537	24.9	34.3	6.3	1544	5.95	48	1.9	1.8	49	654.8	103.9	<0.5	75	0.22	0.084			
3205211	Drill Core	2.62	2.1	15.2	42.3	977	1.4	37.9	6.6	1410	5.01	52	1.7	1.3	40	6.6	14.2	<0.5	43	0.20	0.067			
3205212	Drill Core	4.52	1.1	68.0	58.4	53230	6.0	36.0	5.3	1205	4.83	55	0.6	0.7	25	284.7	29.7	<0.5	21	0.14	0.060			
3205213	Drill Core	5.35	2.8	133.5	76.7	67523	8.4	36.7	6.2	1278	5.28	59	1.6	1.6	76	433.2	44.4	<0.5	50	0.33	0.142			
3205214	Drill Core	4.23	2.5	98.8	71.1	34694	8.5	37.4	7.6	1933	6.59	58	1.4	1.6	51	252.3	39.9	<0.5	73	0.29	0.112			
3205215	Drill Core	3.07	2.5	258.3	84.9	114331	25.4	25.0	5.2	708	3.58	30	1.8	1.6	84	726.4	94.2	<0.5	38	0.30	0.136			
3205216	Drill Core	4.22	2.7	115.9	55.2	66000	13.3	30.9	5.7	475	2.83	38	1.6	1.7	51	464.8	60.2	<0.5	39	0.20	0.084			
3205217	Drill Core	4.86	2.6	112.5	49.7	39748	9.0	47.6	8.0	590	3.47	52	1.8	1.4	51	290.3	44.8	<0.5	41	0.20	0.089			
3205218	Drill Core	4.14	2.7	146.6	65.0	82680	14.0	38.6	6.2	688	3.70	49	1.2	1.0	43	518.8	71.6	<0.5	26	0.17	0.080			
3205219	Drill Core	4.35	1.7	283.1	123.4	144637	21.5	29.4	6.0	1331	6.23	24	1.0	1.7	47	885.8	125.0	<0.5	46	0.29	0.104			
3205220	Rock Pulp	0.06	3.7	421.4	33445.6	46948	56.8	16.1	41.8	2166	7.35	151	1.5	6.8	24	159.8	44.0	<0.5	11	4.90	0.051			
3205221	Drill Core	2.28	1.2	274.0	116.9	171526	21.5	28.8	5.9	1684	6.94	24	<0.5	1.5	22	987.2	105.9	<0.5	48	0.13	0.039			
3205222	Drill Core	1.95	1.2	258.8	115.6	147748	20.1	34.0	6.4	1938	7.46	28	<0.5	1.3	20	865.2	111.7	<0.5	42	0.12	0.035			
3205223	Drill Core	2.83	2.2	7.3	18.1	1005	<0.5	24.1	5.0	2907	8.32	24	0.6	1.5	37	6.4	11.9	<0.5	60	0.18	0.056			
3205224	Drill Core	4.15	2.7	34.2	87.4	693	2.0	52.4	7.7	1935	6.76	41	1.9	1.5	43	5.5	31.7	<0.5	65	0.18	0.069			
3205225	Drill Core	6.49	3.2	57.5	1014.9	25296	3.6	41.0	6.8	1234	5.25	43	0.8	1.6	163	122.0	28.2	<0.5	64	0.15	0.055			
3205226	Drill Core	4.66	1.1	78.7	347.0	29228	5.2	36.9	5.0	2773	9.01	50	0.7	0.7	17	169.8	52.2	<0.5	35	0.13	0.041			
3205227	Drill Core	3.51	1.3	124.3	524.1	40884	8.4	28.7	4.7	2275	7.74	40	<0.5	0.5	21	207.8	55.6	<0.5	35	0.15	0.047			
3205228	Drill Core	4.29	1.3	20.3	72.3	603	0.8	33.0	4.0	1086	4.25	43	1.9	<0.5	25	3.9	30.2	<0.5	18	0.14	0.058			
3205229	Drill Core	3.05	1.3	44.2	73.9	14971	1.8	52.6	5.9	1172	4.98	68	4.4	<0.5	100	95.6	27.6	<0.5	37	0.17	0.069			
3205230	Drill Core	4.88	1.6	22.4	67.7	2353	1.2	38.7	4.8	1444	5.31	49	0.7	<0.5	24	14.7	29.0	<0.5	25	0.14	0.050			



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	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
3205201	Drill Core	0.9	17.4	0.18	45	0.001	0.44	<0.01	0.04	<0.5	131.62	3.4	<0.5	7.74	9	8	63.51	2.43	8.52	0.20	0.28
3205202	Drill Core	1.0	15.8	0.16	54	<0.001	0.42	<0.01	0.03	<0.5	120.26	2.8	<0.5	7.20	8	7	64.03	2.41	8.32	0.19	0.29
3205203	Drill Core	1.6	21.1	0.14	72	0.001	0.45	<0.01	0.05	<0.5	105.62	2.4	0.7	7.10	6	7	65.47	3.60	7.84	0.18	0.25
3205204	Drill Core	<0.5	15.3	0.21	45	<0.001	0.41	<0.01	0.02	<0.5	79.46	2.6	0.7	5.46	7	5	70.50	2.15	8.97	0.21	0.33
3205205	Drill Core	<0.5	15.8	0.18	51	<0.001	0.23	<0.01	0.03	<0.5	22.52	2.3	<0.5	1.85	<5	3	78.66	2.42	9.03	0.28	0.31
3205206	Drill Core	1.1	16.5	0.15	80	<0.001	0.29	<0.01	0.06	<0.5	1.78	2.0	<0.5	2.05	<5	3	78.70	4.27	9.19	0.15	0.28
3205207	Drill Core	1.7	23.5	0.12	103	0.002	0.61	<0.01	0.08	<0.5	16.26	1.7	4.3	4.14	<5	6	77.82	4.11	8.40	0.51	0.22
3205208	Drill Core	3.0	22.5	0.21	194	0.001	0.48	<0.01	0.11	<0.5	16.38	3.4	0.6	1.36	<5	4	72.56	6.13	8.42	0.42	0.35
3205209	Drill Core	2.6	19.4	0.21	305	0.001	0.37	<0.01	0.09	<0.5	3.70	3.4	<0.5	1.07	<5	2	77.07	4.34	9.04	0.23	0.36
3205210	Drill Core	2.4	24.8	0.20	304	0.001	0.57	<0.01	0.06	<0.5	101.32	3.1	<0.5	5.44	<5	5	66.55	3.27	8.43	0.28	0.34
3205211	Drill Core	2.2	19.4	0.15	107	0.001	0.36	<0.01	0.08	<0.5	1.25	2.9	<0.5	0.75	<5	<2	81.25	4.02	7.34	0.26	0.27
3205212	Drill Core	<0.5	15.0	0.20	37	<0.001	0.27	<0.01	0.02	<0.5	52.75	1.7	<0.5	3.34	<5	6	77.70	1.66	6.85	0.19	0.31
3205213	Drill Core	1.7	21.8	0.19	97	0.001	0.47	<0.01	0.06	<0.5	68.21	3.3	<0.5	4.10	<5	6	72.02	3.17	7.50	0.45	0.31
3205214	Drill Core	2.2	24.9	0.23	132	0.002	0.48	<0.01	0.05	<0.5	34.58	4.4	<0.5	2.31	<5	5	74.59	2.61	9.64	0.39	0.35
3205215	Drill Core	1.9	18.8	0.10	90	0.001	0.45	<0.01	0.06	<0.5	99.47	1.5	<0.5	6.25	5	7	70.01	3.15	5.03	0.40	0.19
3205216	Drill Core	2.8	17.9	0.09	140	0.002	0.44	<0.01	0.07	<0.5	62.36	1.8	<0.5	3.95	<5	6	76.82	3.75	4.03	0.27	0.16
3205217	Drill Core	2.2	20.2	0.10	77	0.001	0.50	<0.01	0.06	<0.5	40.77	1.8	<0.5	3.01	<5	4	81.16	3.08	5.01	0.27	0.18
3205218	Drill Core	1.0	15.6	0.08	121	<0.001	0.29	<0.01	0.04	<0.5	84.17	1.5	<0.5	5.24	<5	6	75.85	2.19	5.16	0.23	0.16
3205219	Drill Core	1.9	21.0	0.28	97	0.001	0.62	<0.01	0.03	<0.5	125.77	2.4	<0.5	8.32	9	10	59.10	2.60	8.52	0.38	0.46
3205220	Rock Pulp	20.5	13.2	2.63	230	0.015	1.00	0.01	0.67	<0.5	0.68	2.5	43.5	7.72	<5	<2	38.18	7.70	10.87	6.92	4.88
3205221	Drill Core	1.1	21.0	0.26	64	<0.001	0.48	<0.01	0.02	<0.5	128.40	3.4	<0.5	9.31	9	10	55.71	2.13	9.64	0.17	0.44
3205222	Drill Core	1.0	21.1	0.31	48	<0.001	0.44	<0.01	0.02	<0.5	117.64	2.9	<0.5	8.08	7	8	58.88	2.05	10.46	0.14	0.50
3205223	Drill Core	2.3	20.2	0.30	107	0.001	0.30	<0.01	0.08	<0.5	0.92	5.5	<0.5	0.45	<5	<2	72.38	4.44	12.24	0.24	0.52
3205224	Drill Core	2.2	21.4	0.23	104	0.001	0.72	<0.01	0.09	<0.5	0.67	4.3	0.5	1.04	<5	2	74.35	7.01	9.99	0.23	0.38
3205225	Drill Core	2.9	21.8	0.17	810	0.005	0.52	<0.01	0.09	<0.5	14.11	3.4	1.1	2.04	<5	3	68.78	5.41	7.65	0.20	0.29
3205226	Drill Core	<0.5	23.1	0.30	37	<0.001	0.15	<0.01	0.02	<0.5	16.41	3.6	0.5	1.91	<5	3	73.30	1.28	13.14	0.17	0.45
3205227	Drill Core	<0.5	20.2	0.24	29	<0.001	0.18	<0.01	0.02	<0.5	23.56	2.8	<0.5	2.39	<5	3	74.53	1.33	11.26	0.20	0.38
3205228	Drill Core	<0.5	22.5	0.14	30	<0.001	0.20	<0.01	0.02	<0.5	0.52	1.2	<0.5	0.30	<5	2	87.83	1.46	6.08	0.19	0.21
3205229	Drill Core	<0.5	19.9	0.15	32	<0.001	0.47	<0.01	0.02	<0.5	12.75	2.0	<0.5	1.22	<5	3	83.48	1.73	7.07	0.22	0.24
3205230	Drill Core	<0.5	19.4	0.17	31	<0.001	0.17	<0.01	0.02	<0.5	1.94	1.3	<0.5	0.44	<5	3	85.02	1.65	7.62	0.18	0.26



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Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010
Analyte	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
3205201 Drill Core	0.32	0.18	0.21	0.14	<0.01	0.04	0.01	0.08	13.52	7.16	100.03	0.02	1.21	8.05	0.40	0.02	2.91	4.72	9.98
3205202 Drill Core	0.32	0.18	0.20	0.12	<0.01	0.04	<0.01	0.04	11.72	6.88	97.71	0.02	1.22	7.48	0.40	0.02	2.90	4.50	8.94
3205203 Drill Core	0.47	0.15	0.33	0.13	<0.01	0.06	0.01	<0.01	11.29	6.73	99.40	0.02	1.12	7.45	0.48	0.02	2.26	4.55	8.69
3205204 Drill Core	0.24	0.18	0.12	0.14	<0.01	0.03	<0.01	0.01	7.99	6.18	99.07	0.02	1.17	5.63	0.29	<0.02	3.16	3.03	7.77
3205205 Drill Core	0.28	0.23	0.13	0.18	<0.01	0.04	<0.01	<0.01	2.15	5.13	99.39	0.01	1.41	1.98	0.34	<0.02	3.86	1.35	1.87
3205206 Drill Core	0.59	0.20	0.27	0.09	<0.01	0.08	<0.01	<0.01	0.16	5.36	99.39	0.03	1.39	2.26	0.47	0.04	3.21	1.52	2.22
3205207 Drill Core	0.64	0.09	0.36	0.40	0.01	0.08	<0.01	0.01	1.56	4.76	99.42	0.02	0.88	4.26	0.49	0.04	1.26	2.98	3.83
3205208 Drill Core	0.96	0.23	0.44	0.29	<0.01	0.12	<0.01	<0.01	1.49	5.95	97.79	0.04	1.79	1.40	0.70	0.02	3.91	0.82	1.74
3205209 Drill Core	0.79	0.25	0.40	0.15	0.02	0.11	<0.01	<0.01	0.34	5.66	98.93	0.03	1.81	1.11	0.62	0.05	4.17	0.67	1.32
3205210 Drill Core	0.55	0.20	0.41	0.21	0.02	0.08	0.01	<0.01	9.90	6.69	99.48	0.03	1.57	5.75	0.63	0.03	3.34	3.41	7.03
3205211 Drill Core	0.69	0.19	0.35	0.17	<0.01	0.08	<0.01	<0.01	0.10	4.44	99.22	0.03	1.48	0.78	0.54	0.06	3.20	0.53	0.74
3205212 Drill Core	0.20	0.15	0.10	0.12	<0.01	0.03	<0.01	<0.01	5.54	4.57	98.83	0.01	1.09	3.50	0.35	<0.02	2.65	2.54	2.89
3205213 Drill Core	0.50	0.16	0.31	0.34	<0.01	0.06	<0.01	<0.01	7.02	5.73	99.37	0.03	1.47	4.26	0.64	0.02	2.96	2.19	6.20
3205214 Drill Core	0.42	0.25	0.35	0.26	<0.01	0.06	<0.01	<0.01	3.55	5.74	99.13	0.03	1.67	2.60	0.54	0.02	4.08	1.57	3.09
3205215 Drill Core	0.55	0.09	0.34	0.34	<0.01	0.06	0.02	0.01	11.64	5.47	100.29	0.02	0.96	6.58	0.52	0.02	1.53	3.91	7.99
3205216 Drill Core	0.68	0.06	0.41	0.21	<0.01	0.09	<0.01	<0.01	6.79	3.99	99.00	0.03	0.87	4.15	0.57	0.02	1.00	2.63	4.56
3205217 Drill Core	0.54	0.08	0.34	0.21	<0.01	0.05	<0.01	<0.01	4.05	3.52	99.51	0.02	0.78	3.29	0.43	0.02	1.20	1.92	4.11
3205218 Drill Core	0.34	0.09	0.18	0.18	<0.01	0.04	<0.01	<0.01	8.41	4.43	99.39	0.01	0.68	5.41	0.27	<0.02	1.45	2.85	7.67
3205219 Drill Core	0.33	0.17	0.28	0.28	<0.01	0.04	0.02	0.01	14.22	7.62	97.60	0.02	1.19	8.79	0.39	0.02	2.84	5.05	11.22
3205220 Rock Pulp	3.59	0.29	0.25	0.13	<0.01	0.10	0.04	3.61	5.02	16.58	99.87	<0.01	3.13	8.15	0.26	<0.02	10.50	2.40	17.24
3205221 Drill Core	0.26	0.21	0.23	0.11	<0.01	0.03	0.02	0.01	17.19	8.55	99.01	0.02	1.41	9.63	0.37	<0.02	3.75	5.81	11.45
3205222 Drill Core	0.25	0.25	0.20	0.10	<0.01	0.03	0.02	<0.01	15.02	8.38	100.06	0.02	1.57	8.21	0.39	<0.02	4.29	4.23	11.92
3205223 Drill Core	0.79	0.37	0.40	0.14	<0.01	0.10	<0.01	<0.01	0.10	7.23	99.00	0.03	2.34	0.46	0.54	0.05	6.42	0.26	0.62
3205224 Drill Core	0.85	0.25	0.43	0.15	<0.01	0.10	<0.01	<0.01	0.07	6.31	100.22	0.04	1.79	1.09	0.58	0.05	4.25	0.82	0.82
3205225 Drill Core	0.80	0.16	0.39	0.12	<0.01	4.42	<0.01	0.09	2.56	5.46	97.56	0.04	1.44	3.33	0.55	0.02	3.20	1.63	5.11
3205226 Drill Core	0.17	0.35	0.08	0.09	<0.01	0.03	<0.01	0.03	2.97	7.20	100.01	0.01	2.09	2.00	0.32	<0.02	6.45	1.28	2.15
3205227 Drill Core	0.16	0.29	0.06	0.12	<0.01	0.02	<0.01	0.05	4.17	6.61	100.24	0.01	1.90	2.62	0.41	<0.02	5.46	1.49	3.39
3205228 Drill Core	0.18	0.14	0.08	0.13	<0.01	0.02	<0.01	<0.01	0.06	3.06	99.44	<0.01	1.12	0.31	0.34	0.04	2.73	0.16	0.46
3205229 Drill Core	0.15	0.16	0.08	0.15	<0.01	0.02	<0.01	<0.01	1.52	4.28	99.47	0.01	1.19	1.23	0.31	<0.02	3.21	0.84	1.17
3205230 Drill Core	0.19	0.18	0.09	0.12	<0.01	0.02	<0.01	<0.01	0.24	4.16	99.79	0.01	1.43	0.46	0.43	<0.02	3.61	0.22	0.71



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VERITAS Canada

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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:

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	Method Analyte Unit MDL	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3205231	Drill Core	4.74	1.1	14.0	42.3	1489	1.0	41.7	5.2	1949	6.90	54	1.4	<0.5	33	9.0	21.8	<0.5	40	0.16	0.058
3205232	Drill Core	1.86	2.8	182.9	51.1	36368	5.2	65.1	9.6	1037	5.21	85	3.6	1.6	55	224.3	37.4	<0.5	48	0.13	0.058
3205233	Drill Core	4.60	3.3	67.7	87.1	13748	2.9	54.6	9.7	1894	8.08	89	1.2	1.4	39	80.3	31.5	<0.5	78	0.25	0.096
3205234	Drill Core	4.12	3.9	11.2	82.8	52	0.7	26.8	4.8	345	1.60	31	1.0	1.3	32	0.5	12.8	<0.5	28	0.10	0.044
3205235	Drill Core	3.84	3.8	20.1	78.4	488	1.0	97.0	12.0	1970	7.32	49	4.5	1.9	102	2.1	18.8	<0.5	106	0.19	0.058
3205236	Drill Core	4.35	3.4	24.1	90.9	361	1.2	44.5	7.2	3164	9.25	36	1.9	1.8	60	2.0	14.3	<0.5	96	0.22	0.070
3205237	Drill Core	4.06	3.7	15.2	92.1	99	0.7	37.5	6.6	2035	5.76	44	1.5	2.2	54	0.6	13.0	<0.5	85	0.21	0.073
3205238	Drill Core	4.62	2.4	35.5	126.2	329	1.1	43.4	7.6	1235	4.33	74	1.3	1.1	45	1.8	25.5	<0.5	48	0.20	0.081
3205239	Drill Core	3.42	3.5	17.6	104.8	69	0.5	36.9	6.7	2122	6.84	40	0.9	1.6	34	<0.5	10.0	<0.5	78	0.15	0.043
3205240	Rock	1.01	0.9	47.4	2.9	42	<0.5	4.1	10.2	441	3.15	<5	0.9	2.9	110	<0.5	<0.5	<0.5	106	1.18	0.067
3205241	Drill Core	1.94	2.3	41.2	89.6	742	1.1	54.5	8.0	3084	9.87	53	2.7	1.0	58	4.5	17.5	<0.5	106	0.21	0.059
3205242	Drill Core	1.56	2.5	61.3	121.4	12912	1.8	55.1	7.9	2158	7.29	70	3.5	1.1	58	91.0	22.7	<0.5	75	0.19	0.066
3205243	Drill Core	2.32	3.0	13.0	80.7	156	<0.5	72.9	9.7	1950	6.41	66	1.6	1.8	66	1.4	13.7	<0.5	82	0.20	0.074
3205244	Drill Core	3.69	3.2	124.5	160.3	173	2.8	72.6	13.2	2122	7.39	117	0.8	1.2	61	2.4	22.0	<0.5	68	0.22	0.082
3205245	Drill Core	4.00	1.7	28.0	79.8	109	0.7	46.1	6.2	3310	10.80	68	0.7	0.8	45	0.8	20.2	<0.5	73	0.21	0.055
3205246	Drill Core	4.35	3.1	21.1	71.6	177	0.7	33.1	4.7	2706	8.50	33	0.9	1.7	57	0.9	11.6	<0.5	76	0.29	0.100
3205247	Drill Core	4.20	2.5	49.3	109.0	235	1.5	27.4	5.7	3221	9.74	34	0.9	1.3	41	0.9	33.2	<0.5	74	0.21	0.066
3205248	Drill Core	4.10	2.6	9.7	60.4	51	<0.5	26.4	4.7	4312	12.25	31	0.7	1.5	49	<0.5	8.4	<0.5	102	0.21	0.057
3205249	Drill Core	4.20	3.1	43.8	84.3	837	1.7	61.4	9.0	1694	5.75	62	1.0	1.5	52	4.0	33.0	<0.5	58	0.25	0.093
3205250	Drill Core	2.66	3.2	33.3	64.5	151	1.3	52.5	9.3	1281	7.24	137	0.8	1.5	46	0.7	23.7	<0.5	53	0.23	0.092
3205251	Drill Core	4.97	2.2	17.2	47.5	4280	1.2	42.4	5.7	2500	8.14	55	<0.5	0.5	26	15.2	20.6	<0.5	53	0.15	0.051
3205252	Drill Core	4.04	1.3	64.8	29.1	20713	2.5	36.3	5.2	3350	9.19	42	0.7	0.7	33	88.2	19.5	<0.5	41	0.19	0.059
3205253	Drill Core	4.55	1.0	16.8	19.6	7417	0.9	37.5	4.1	3216	9.29	41	<0.5	<0.5	24	25.8	17.6	<0.5	37	0.17	0.054
3205254	Drill Core	4.56	0.6	22.7	26.0	15950	1.4	32.4	3.5	4925	12.98	26	<0.5	<0.5	17	54.7	23.2	<0.5	45	0.27	0.045
3205255	Drill Core	4.87	0.6	29.8	13.1	26181	1.3	30.9	3.6	4123	11.50	33	<0.5	<0.5	20	94.8	15.2	<0.5	40	0.17	0.047
3205256	Drill Core	4.15	0.7	36.4	9.8	28230	1.8	29.1	3.6	2624	8.05	29	<0.5	<0.5	24	112.1	13.8	<0.5	41	0.16	0.056
3205257	Drill Core	4.82	0.9	73.6	11.5	60022	3.8	28.1	3.3	4010	11.75	33	<0.5	<0.5	16	251.2	18.6	<0.5	46	0.14	0.036
3205258	Drill Core	4.02	0.7	22.8	12.4	15089	1.6	31.0	3.5	4544	12.48	31	<0.5	<0.5	22	41.4	13.4	<0.5	39	0.20	0.065
3205259	Drill Core	4.72	0.9	15.6	16.7	7041	1.1	27.4	2.6	7943	18.74	25	<0.5	<0.5	18	17.3	12.6	<0.5	56	0.22	0.039
3205260	Rock Pulp	0.05	2.5	222.6	18424.7	30233	35.3	26.7	19.5	1765	5.53	87	1.6	7.3	24	96.6	47.8	<0.5	10	5.24	0.056



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

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	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
3205231	Drill Core	<0.5	18.8	0.20	39	<0.001	0.24	<0.01	0.03	<0.5	1.20	2.9	<0.5	0.65	<5	<2	79.65	2.11	10.07	0.21	0.31
3205232	Drill Core	2.1	15.1	0.15	79	0.001	0.74	<0.01	0.07	0.6	29.27	2.3	<0.5	3.48	<5	5	73.94	5.89	7.52	0.17	0.25
3205233	Drill Core	1.7	24.8	0.20	78	0.001	0.47	<0.01	0.07	<0.5	9.83	5.1	<0.5	3.43	<5	5	71.29	5.06	11.98	0.33	0.34
3205234	Drill Core	1.5	12.2	0.05	110	0.001	0.36	<0.01	0.11	<0.5	0.11	1.5	<0.5	0.43	<5	3	83.94	8.18	2.40	0.14	0.16
3205235	Drill Core	2.0	21.3	0.17	108	<0.001	0.92	<0.01	0.10	<0.5	0.18	5.0	<0.5	0.73	<5	3	68.77	10.01	10.60	0.28	0.35
3205236	Drill Core	1.7	24.9	0.27	132	0.001	0.54	<0.01	0.11	<0.5	0.20	6.5	<0.5	0.37	<5	3	65.61	8.14	13.36	0.32	0.51
3205237	Drill Core	1.8	22.5	0.18	137	0.002	0.39	<0.01	0.12	<0.5	0.10	4.8	<0.5	0.39	<5	4	72.72	8.30	8.13	0.30	0.35
3205238	Drill Core	1.5	15.4	0.13	91	0.001	0.35	<0.01	0.08	<0.5	0.27	2.5	0.9	0.61	<5	4	81.66	5.60	6.12	0.27	0.26
3205239	Drill Core	2.4	23.8	0.21	96	0.002	0.47	<0.01	0.10	<0.5	0.09	4.5	<0.5	0.33	<5	3	71.80	8.59	9.65	0.21	0.40
3205240	Rock	7.6	6.4	0.87	209	0.195	2.19	0.31	0.37	<0.5	<0.05	4.1	<0.5	<0.05	6	<2	60.73	17.08	6.34	6.20	2.89
3205241	Drill Core	1.5	22.4	0.31	70	<0.001	0.63	<0.01	0.06	<0.5	0.39	6.5	<0.5	0.45	<5	<2	69.22	5.36	14.08	0.30	0.51
3205242	Drill Core	1.7	20.1	0.22	78	0.001	0.67	<0.01	0.08	<0.5	9.39	4.8	0.5	1.17	<5	4	72.04	6.33	10.38	0.26	0.41
3205243	Drill Core	2.2	19.8	0.19	113	0.001	0.65	<0.01	0.12	<0.5	0.27	5.4	<0.5	0.49	<5	3	71.44	9.47	9.30	0.29	0.39
3205244	Drill Core	1.6	21.0	0.23	103	0.001	0.54	<0.01	0.11	<0.5	0.09	4.8	0.6	0.81	<5	5	71.83	7.89	10.60	0.31	0.43
3205245	Drill Core	1.1	18.5	0.34	105	<0.001	0.42	<0.01	0.08	<0.5	0.12	5.3	<0.5	0.69	<5	3	67.95	4.81	15.59	0.28	0.60
3205246	Drill Core	2.3	23.3	0.28	134	0.001	0.74	<0.01	0.11	<0.5	0.16	4.9	<0.5	0.29	<5	2	69.41	7.51	12.29	0.42	0.51
3205247	Drill Core	1.7	23.3	0.31	103	0.001	0.43	<0.01	0.10	<0.5	0.18	5.4	<0.5	0.32	<5	4	67.33	6.92	13.98	0.29	0.54
3205248	Drill Core	2.3	29.8	0.36	156	0.001	0.43	<0.01	0.12	<0.5	0.13	7.7	<0.5	0.25	<5	<2	60.64	7.73	17.74	0.29	0.66
3205249	Drill Core	1.8	17.5	0.14	130	0.001	0.42	<0.01	0.13	<0.5	0.48	3.9	<0.5	1.09	<5	4	73.67	8.67	8.10	0.34	0.32
3205250	Drill Core	1.7	18.3	0.13	122	0.001	0.43	<0.01	0.12	<0.5	0.54	3.2	<0.5	3.81	<5	5	71.79	7.97	10.41	0.33	0.27
3205251	Drill Core	0.5	15.7	0.21	170	<0.001	0.38	<0.01	0.06	<0.5	3.27	3.5	<0.5	0.96	<5	3	76.28	3.60	11.77	0.23	0.36
3205252	Drill Core	0.7	14.9	0.25	138	0.001	0.38	<0.01	0.08	<0.5	9.66	3.4	<0.5	1.57	<5	2	70.57	3.64	13.10	0.26	0.42
3205253	Drill Core	<0.5	16.5	0.23	82	<0.001	0.23	<0.01	0.04	<0.5	3.86	3.3	<0.5	0.91	<5	<2	75.24	1.95	13.33	0.24	0.38
3205254	Drill Core	1.9	17.8	0.32	30	<0.001	0.37	<0.01	0.02	<0.5	14.71	5.6	<0.5	1.06	<5	<2	66.48	1.68	18.78	0.25	0.51
3205255	Drill Core	<0.5	16.0	0.26	30	<0.001	0.30	<0.01	0.02	<0.5	14.20	3.7	<0.5	1.62	<5	<2	68.60	1.51	16.44	0.24	0.47
3205256	Drill Core	<0.5	18.7	0.19	55	<0.001	0.41	<0.01	0.04	<0.5	13.30	3.3	<0.5	1.67	<5	<2	75.83	2.10	11.37	0.23	0.31
3205257	Drill Core	<0.5	19.6	0.28	36	<0.001	0.32	<0.01	0.02	<0.5	27.73	3.6	<0.5	3.31	6	2	63.49	1.42	16.66	0.20	0.45
3205258	Drill Core	<0.5	16.7	0.29	66	<0.001	0.36	<0.01	0.03	<0.5	10.73	4.6	<0.5	1.18	<5	<2	67.60	1.92	18.06	0.28	0.50
3205259	Drill Core	<0.5	17.2	0.43	54	<0.001	0.32	<0.01	0.02	<0.5	3.49	4.8	<0.5	0.56	<5	2	53.73	1.59	28.07	0.32	0.78
3205260	Rock Pulp	26.1	14.2	2.87	131	0.019	1.01	0.01	0.73	0.7	1.28	3.2	28.0	4.82	<5	<2	43.63	8.75	8.23	7.43	5.36



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

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Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010
Analyte	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
3205231 Drill Core	0.24	0.25	0.10	0.13	<0.01	0.04	<0.01	<0.01	0.15	5.34	98.63	0.01	1.65	0.69	0.28	0.02	4.96	0.48	0.64
3205232 Drill Core	0.71	0.13	0.40	0.12	<0.01	0.08	0.01	<0.01	3.76	5.48	99.47	0.03	1.12	3.64	0.51	<0.02	2.15	2.67	2.92
3205233 Drill Core	0.61	0.24	0.34	0.21	<0.01	0.05	<0.01	<0.01	1.39	7.14	99.39	0.04	1.88	3.56	0.74	0.03	4.05	2.72	2.53
3205234 Drill Core	1.21	0.05	0.46	0.10	<0.01	0.13	<0.01	<0.01	<0.01	3.11	99.98	0.05	1.03	0.44	0.75	0.07	0.75	0.29	0.43
3205235 Drill Core	1.31	0.25	0.55	0.17	<0.01	0.13	<0.01	0.01	0.05	7.67	100.29	0.06	2.25	0.75	0.89	0.07	4.73	0.47	0.85
3205236 Drill Core	1.24	0.41	0.51	0.19	<0.01	0.14	<0.01	<0.01	0.04	8.61	99.19	0.06	2.84	0.39	0.91	0.05	6.88	0.14	0.76
3205237 Drill Core	1.29	0.25	0.52	0.19	<0.01	0.14	<0.01	0.01	<0.01	6.01	98.31	0.05	1.99	0.41	0.83	0.06	4.02	0.18	0.67
3205238 Drill Core	0.81	0.16	0.35	0.19	<0.01	0.09	<0.01	<0.01	0.03	3.96	99.55	0.03	1.29	0.64	0.58	0.03	2.50	0.39	0.74
3205239 Drill Core	1.13	0.28	0.54	0.11	<0.01	0.09	<0.01	0.01	<0.01	6.42	99.31	0.05	2.09	0.34	0.79	0.05	4.57	0.16	0.54
3205240 Rock	1.55	0.13	0.53	0.14	<0.01	0.07	<0.01	<0.01	<0.01	0.82	99.78	0.03	0.04	<0.02	0.03	<0.02	<0.08	<0.02	<0.15
3205241 Drill Core	0.71	0.39	0.36	0.16	<0.01	0.06	<0.01	<0.01	0.07	8.14	99.43	0.04	2.63	0.46	0.74	<0.02	6.88	0.26	0.60
3205242 Drill Core	0.82	0.27	0.39	0.17	<0.01	0.08	<0.01	0.01	1.28	6.72	99.56	0.04	2.01	1.24	0.73	<0.02	4.62	0.84	1.18
3205243 Drill Core	1.37	0.25	0.53	0.19	<0.01	0.13	<0.01	0.01	0.02	6.50	99.99	0.06	2.00	0.50	0.80	0.04	4.25	0.33	0.52
3205244 Drill Core	1.06	0.27	0.44	0.20	<0.01	0.10	<0.01	0.01	0.02	6.85	100.12	0.04	2.07	0.80	0.77	0.02	4.70	0.64	0.48
3205245 Drill Core	0.63	0.42	0.28	0.13	<0.01	0.06	<0.01	<0.01	0.01	8.69	99.50	0.03	2.80	0.71	0.72	<0.02	7.58	0.43	0.85
3205246 Drill Core	1.13	0.35	0.51	0.26	<0.01	0.11	<0.01	0.01	0.02	7.27	99.89	0.05	2.46	0.31	0.87	0.03	5.72	0.15	0.48
3205247 Drill Core	0.93	0.42	0.41	0.16	<0.01	0.10	<0.01	<0.01	0.02	8.36	99.55	0.05	2.72	0.32	0.77	0.03	7.04	0.18	0.43
3205248 Drill Core	1.08	0.55	0.45	0.14	<0.01	0.10	<0.01	<0.01	<0.01	10.34	99.83	0.05	3.43	0.26	0.86	0.04	9.27	0.11	0.46
3205249 Drill Core	1.33	0.21	0.48	0.24	<0.01	0.13	<0.01	<0.01	0.09	5.78	99.48	0.04	1.69	1.10	0.74	0.05	3.30	0.74	1.10
3205250 Drill Core	1.24	0.17	0.45	0.23	<0.01	0.14	<0.01	<0.01	0.01	6.57	99.70	0.05	1.45	3.82	0.74	0.03	2.48	2.87	2.85
3205251 Drill Core	0.52	0.32	0.17	0.12	<0.01	0.07	<0.01	<0.01	0.43	6.21	100.22	0.03	2.01	1.00	0.66	<0.02	4.88	0.61	1.17
3205252 Drill Core	0.70	0.43	0.19	0.14	<0.01	0.08	<0.01	<0.01	2.06	7.25	99.40	0.02	2.15	1.56	0.49	<0.02	6.10	0.90	1.97
3205253 Drill Core	0.31	0.41	0.09	0.14	<0.01	0.04	<0.01	<0.01	0.75	6.77	99.85	0.01	2.17	0.93	0.51	<0.02	6.11	0.47	1.38
3205254 Drill Core	0.15	0.62	0.08	0.10	<0.01	0.02	<0.01	<0.01	1.57	9.26	99.91	0.02	3.01	1.12	0.59	<0.02	8.90	0.50	1.87
3205255 Drill Core	0.16	0.52	0.08	0.12	<0.01	0.02	<0.01	<0.01	2.61	8.40	99.83	0.01	2.61	1.67	0.53	<0.02	7.65	0.88	2.37
3205256 Drill Core	0.27	0.33	0.11	0.13	<0.01	0.03	<0.01	<0.01	2.80	5.77	99.96	0.01	1.72	1.75	0.43	<0.02	4.72	0.86	2.68
3205257 Drill Core	0.17	0.50	0.08	0.09	<0.01	0.02	<0.01	<0.01	5.98	9.22	99.83	0.02	2.65	3.31	0.55	<0.02	7.69	2.52	2.38
3205258 Drill Core	0.26	0.58	0.08	0.14	<0.01	0.02	<0.01	<0.01	1.53	9.01	100.35	0.01	2.84	1.20	0.55	<0.02	8.41	0.77	1.28
3205259 Drill Core	0.18	1.01	0.08	0.10	<0.01	0.02	<0.01	<0.01	0.71	13.87	100.61	0.02	4.65	0.61	0.76	<0.02	14.29	0.24	1.11
3205260 Rock Pulp	4.18	0.23	0.29	0.12	0.01	0.07	0.02	1.84	3.12	12.64	97.03	<0.01	3.31	4.72	0.39	<0.02	10.73	0.33	13.15



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Fireweed Zinc Ltd.

Suite 1020, 800 Pender Street

Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

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	Method	Analyte	Unit	MDL	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270			
					Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
					kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3205261	Drill Core	2.50	0.5	17.9	14.3	7202	1.2	28.0	3.0	6965	15.95	28	<0.5	<0.5	21	16.2	11.8	<0.5	36	0.21	0.041			
3205262	Drill Core	1.87	0.5	17.2	12.8	6697	1.2	28.8	3.0	6790	15.68	29	<0.5	<0.5	20	14.8	12.4	<0.5	35	0.20	0.037			
3205263	Drill Core	3.40	0.8	24.1	20.0	5112	1.5	37.4	3.6	4555	11.70	46	0.6	<0.5	27	11.5	14.0	<0.5	31	0.22	0.069			
3205264	Drill Core	4.24	0.8	18.1	18.7	12120	1.2	31.7	3.6	3108	8.66	32	<0.5	<0.5	23	32.0	12.2	<0.5	29	0.18	0.057			
3205265	Drill Core	4.16	1.8	36.6	32.9	20492	2.2	35.7	4.5	3151	9.51	33	0.7	0.8	34	100.5	12.8	<0.5	58	0.21	0.075			
3205266	Drill Core	3.34	1.9	70.4	19.3	30050	2.5	46.2	5.1	2007	7.80	48	1.2	0.7	28	118.3	15.2	<0.5	58	0.17	0.056			
3205267	Drill Core	4.05	1.7	39.1	46.0	12563	3.2	44.6	7.1	2737	9.53	52	0.6	<0.5	23	52.6	21.5	<0.5	34	0.14	0.043			
3205268	Drill Core	4.40	0.6	35.9	40.5	2009	2.4	33.1	4.2	2714	9.68	33	0.9	<0.5	22	9.0	25.6	<0.5	26	0.14	0.050			
3205269	Drill Core	2.74	0.9	14.3	54.8	197	1.0	40.0	4.7	3079	8.30	38	0.8	<0.5	29	0.7	16.4	<0.5	36	0.21	0.070			
3205270	Drill Core	5.04	0.7	87.5	26.1	31375	5.3	30.7	3.8	4430	12.23	26	<0.5	<0.5	17	93.2	15.4	<0.5	49	0.16	0.034			
3205271	Drill Core	4.65	0.8	50.3	18.1	41445	3.6	28.6	3.8	4094	11.28	25	<0.5	<0.5	21	124.3	15.3	<0.5	49	0.16	0.040			
3205272	Drill Core	4.31	0.9	62.9	23.4	51594	4.3	38.5	4.5	4914	13.86	32	<0.5	<0.5	18	182.6	20.8	<0.5	68	0.18	0.042			
3205273	Drill Core	4.19	0.8	17.6	41.1	2512	1.0	36.8	4.2	3901	11.22	35	<0.5	<0.5	22	10.9	18.7	<0.5	49	0.16	0.040			
3205274	Drill Core	4.77	1.2	26.6	113.4	206	1.0	45.6	5.0	1841	6.23	51	<0.5	<0.5	21	0.9	24.8	<0.5	32	0.14	0.055			
3205275	Drill Core	3.34	2.0	15.9	49.9	51	0.9	40.2	4.2	2014	5.89	65	<0.5	<0.5	32	<0.5	20.3	<0.5	37	0.22	0.083			
3205276	Drill Core	4.58	0.8	12.6	41.5	739	0.7	33.7	4.0	4961	13.44	29	<0.5	<0.5	25	3.4	15.1	<0.5	49	0.18	0.039			
3205277	Drill Core	4.64	0.7	14.5	137.8	765	1.1	35.0	4.1	4399	11.53	30	<0.5	<0.5	35	3.7	17.2	<0.5	46	0.22	0.062			
3205278	Drill Core	3.83	1.0	11.1	58.3	147	0.7	42.4	4.4	3378	8.98	38	0.6	<0.5	48	<0.5	19.6	<0.5	39	0.27	0.100			
3205279	Drill Core	4.23	1.5	20.6	73.4	107	0.9	49.0	4.8	2890	7.77	60	0.7	<0.5	52	<0.5	22.6	<0.5	39	0.28	0.114			
3205280	Rock	1.06	2.6	69.2	2.8	45	<0.5	5.0	11.0	464	3.15	<5	1.0	2.9	104	<0.5	<0.5	<0.5	105	1.16	0.063			
3205281	Drill Core	2.53	0.9	115.5	914.6	2142	3.1	45.7	5.6	2986	9.29	74	<0.5	<0.5	67	9.1	24.6	<0.5	44	0.38	0.143			
3205282	Drill Core	1.86	0.8	74.4	393.4	2326	1.7	40.4	5.0	3220	9.46	51	<0.5	<0.5	64	8.8	17.1	<0.5	46	0.33	0.123			
3205283	Drill Core	2.48	0.7	42.8	42.5	31680	1.4	35.2	4.4	3367	10.22	44	<0.5	<0.5	33	118.7	13.7	<0.5	41	0.19	0.062			
3205284	Drill Core	4.55	1.0	58.4	17.8	61850	1.9	38.8	4.2	2198	7.79	54	<0.5	<0.5	29	287.0	16.5	<0.5	30	0.19	0.072			
3205285	Drill Core	4.09	0.9	28.0	41.5	29976	1.3	52.3	7.1	2379	10.16	293	<0.5	<0.5	25	138.6	22.5	<0.5	24	0.19	0.066			
3205286	Drill Core	4.02	1.1	12.0	20.8	128	0.5	36.9	4.0	2483	6.73	62	0.6	<0.5	32	<0.5	14.1	<0.5	37	0.20	0.072			
3205287	Drill Core	4.11	0.9	32.0	23.3	16999	1.5	39.5	4.0	3718	10.94	53	0.6	<0.5	26	87.4	17.5	<0.5	51	0.16	0.044			
3205288	Drill Core	4.86	0.9	11.4	22.9	43	0.8	36.2	3.9	3713	9.64	41	0.6	<0.5	30	<0.5	17.7	<0.5	46	0.18	0.054			
3205289	Drill Core	2.38	1.3	12.9	24.2	303	0.9	41.6	4.5	3611	9.11	62	<0.5	<0.5	43	1.5	20.0	<0.5	46	0.35	0.113			
3205290	Drill Core	3.90	0.8	14.2	21.0	63	0.7	37.3	4.5	3347	9.30	50	<0.5	<0.5	32	<0.5	16.0	<0.5	39	0.21	0.067			



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

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Method Analyte Unit MDL		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
3205261	Drill Core	<0.5	13.5	0.37	78	<0.001	0.30	<0.01	0.02	<0.5	3.86	3.9	<0.5	0.81	<5	<2	59.93	1.67	23.51	0.29	0.64
3205262	Drill Core	<0.5	18.5	0.36	82	<0.001	0.30	<0.01	0.03	<0.5	3.55	4.4	<0.5	0.77	<5	<2	60.72	1.65	22.86	0.29	0.61
3205263	Drill Core	<0.5	14.6	0.28	94	<0.001	0.26	<0.01	0.03	<0.5	3.39	3.5	<0.5	1.07	<5	<2	69.84	1.96	17.12	0.31	0.44
3205264	Drill Core	<0.5	13.4	0.22	82	<0.001	0.26	<0.01	0.04	<0.5	7.01	3.3	<0.5	1.04	<5	3	76.08	1.98	12.42	0.26	0.37
3205265	Drill Core	1.1	19.6	0.26	102	0.001	0.49	<0.01	0.07	<0.5	10.03	5.7	<0.5	1.96	<5	4	69.23	4.01	13.67	0.29	0.44
3205266	Drill Core	0.7	19.9	0.22	79	0.002	0.85	<0.01	0.06	<0.5	14.35	4.8	<0.5	2.48	<5	3	72.47	4.65	11.08	0.24	0.39
3205267	Drill Core	<0.5	14.6	0.24	60	<0.001	0.34	<0.01	0.04	<0.5	7.14	3.3	<0.5	1.40	<5	3	73.38	2.50	13.51	0.22	0.44
3205268	Drill Core	<0.5	13.7	0.25	48	<0.001	0.24	<0.01	0.03	<0.5	1.52	2.9	<0.5	0.41	<5	3	74.51	1.78	13.61	0.22	0.39
3205269	Drill Core	<0.5	18.5	0.20	48	<0.001	0.29	<0.01	0.03	<0.5	0.22	2.8	<0.5	0.38	<5	2	77.72	2.42	12.26	0.31	0.36
3205270	Drill Core	<0.5	17.5	0.29	37	<0.001	0.50	<0.01	0.02	<0.5	22.88	4.5	<0.5	1.90	<5	<2	64.33	1.97	17.91	0.24	0.52
3205271	Drill Core	0.9	18.6	0.25	36	<0.001	0.39	<0.01	0.02	<0.5	36.21	4.7	<0.5	2.40	<5	2	66.35	1.73	16.70	0.28	0.48
3205272	Drill Core	<0.5	24.6	0.29	31	<0.001	0.44	<0.01	0.02	<0.5	47.81	5.2	<0.5	3.11	<5	3	59.01	1.59	20.06	0.27	0.55
3205273	Drill Core	<0.5	20.3	0.29	39	0.001	0.24	<0.01	0.02	<0.5	1.82	3.6	<0.5	0.47	<5	<2	71.16	1.61	16.70	0.24	0.55
3205274	Drill Core	<0.5	20.3	0.15	40	0.001	0.25	<0.01	0.03	<0.5	0.23	1.9	<0.5	0.44	<5	3	82.53	1.89	8.93	0.22	0.27
3205275	Drill Core	0.5	19.4	0.14	48	<0.001	0.26	<0.01	0.03	<0.5	0.12	2.7	<0.5	0.48	<5	2	83.01	2.43	8.59	0.31	0.27
3205276	Drill Core	<0.5	18.8	0.29	53	<0.001	0.25	<0.01	0.03	<0.5	0.64	4.5	<0.5	0.36	<5	<2	66.62	1.67	19.62	0.25	0.54
3205277	Drill Core	<0.5	18.7	0.26	64	<0.001	0.23	<0.01	0.02	<0.5	0.54	3.7	<0.5	0.34	<5	3	70.67	1.77	17.04	0.33	0.51
3205278	Drill Core	<0.5	20.0	0.21	106	0.001	0.28	<0.01	0.03	<0.5	0.17	2.9	<0.5	0.33	<5	<2	75.94	2.12	13.29	0.39	0.41
3205279	Drill Core	<0.5	19.3	0.18	111	0.001	0.29	<0.01	0.03	<0.5	0.12	2.8	<0.5	0.40	<5	2	78.09	2.30	11.37	0.40	0.34
3205280	Rock	8.0	7.5	0.91	213	0.193	2.09	0.29	0.35	<0.5	<0.05	4.5	<0.5	<0.05	6	<2	60.76	16.94	6.27	6.24	2.78
3205281	Drill Core	<0.5	18.7	0.19	98	0.001	0.27	<0.01	0.04	<0.5	0.55	3.5	0.6	1.02	<5	3	74.62	2.16	13.61	0.54	0.34
3205282	Drill Core	<0.5	18.4	0.19	116	0.001	0.26	<0.01	0.04	<0.5	0.62	3.7	<0.5	0.51	<5	2	74.93	1.85	13.92	0.47	0.38
3205283	Drill Core	<0.5	18.1	0.23	67	0.001	0.22	<0.01	0.03	<0.5	7.81	3.9	<0.5	1.96	<5	2	70.16	1.18	14.85	0.28	0.42
3205284	Drill Core	<0.5	16.8	0.20	64	<0.001	0.32	<0.01	0.03	<0.5	10.35	2.4	<0.5	3.60	<5	4	70.62	1.62	11.10	0.29	0.35
3205285	Drill Core	<0.5	13.1	0.18	91	<0.001	0.15	<0.01	0.04	<0.5	4.71	2.4	<0.5	6.13	<5	3	69.29	1.87	14.64	0.28	0.33
3205286	Drill Core	0.6	18.3	0.16	76	<0.001	0.23	<0.01	0.05	<0.5	0.08	2.5	<0.5	0.37	<5	<2	80.89	2.10	9.87	0.30	0.30
3205287	Drill Core	<0.5	24.9	0.25	53	<0.001	0.30	<0.01	0.03	<0.5	7.92	3.5	<0.5	1.31	<5	3	69.78	1.65	15.86	0.24	0.44
3205288	Drill Core	<0.5	26.3	0.22	85	<0.001	0.25	<0.01	0.03	<0.5	0.14	3.0	<0.5	0.37	<5	2	75.13	1.89	14.19	0.28	0.39
3205289	Drill Core	<0.5	24.2	0.17	68	0.001	0.30	<0.01	0.03	<0.5	0.22	2.9	<0.5	0.45	<5	2	75.37	2.13	13.31	0.49	0.34
3205290	Drill Core	<0.5	24.9	0.19	72	0.001	0.28	<0.01	0.04	<0.5	0.07	2.8	<0.5	0.35	<5	<2	75.53	2.08	13.76	0.32	0.38



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

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CERTIFICATE OF ANALYSIS

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Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010
Analyte	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
3205261 Drill Core	0.20	0.88	0.08	0.09	<0.01	0.03	<0.01	<0.01	0.72	11.75	99.97	0.01	3.82	0.84	0.68	<0.02	11.54	0.50	1.02
3205262 Drill Core	0.20	0.86	0.08	0.09	<0.01	0.03	<0.01	<0.01	0.66	11.36	99.56	0.01	3.72	0.80	0.67	<0.02	11.19	0.45	1.06
3205263 Drill Core	0.27	0.59	0.09	0.15	<0.01	0.04	<0.01	<0.01	0.51	8.50	99.97	0.01	2.76	1.10	0.65	<0.02	7.75	0.59	1.52
3205264 Drill Core	0.29	0.39	0.10	0.14	<0.01	0.05	<0.01	<0.01	1.21	6.26	99.83	<0.01	1.99	1.09	0.49	<0.02	5.52	0.54	1.66
3205265 Drill Core	0.63	0.40	0.27	0.17	<0.01	0.07	<0.01	<0.01	2.01	7.62	99.36	0.03	2.22	1.98	0.65	<0.02	5.72	1.31	2.01
3205266 Drill Core	0.65	0.25	0.27	0.14	<0.01	0.07	<0.01	<0.01	2.99	6.10	100.11	0.03	1.60	2.52	0.52	<0.02	3.96	1.67	2.54
3205267 Drill Core	0.39	0.35	0.12	0.10	<0.01	0.03	<0.01	<0.01	1.23	7.24	99.83	0.01	2.28	1.40	0.71	<0.02	5.73	0.75	1.96
3205268 Drill Core	0.25	0.34	0.08	0.10	<0.01	0.03	<0.01	<0.01	0.19	6.78	98.34	<0.01	2.25	0.40	0.57	<0.02	6.15	0.18	0.66
3205269 Drill Core	0.30	0.38	0.11	0.16	<0.01	0.04	<0.01	<0.01	<0.01	6.05	100.14	0.01	2.05	0.35	0.55	0.03	5.40	0.15	0.60
3205270 Drill Core	0.21	0.54	0.07	0.08	<0.01	0.02	<0.01	<0.01	3.23	9.18	99.11	0.01	2.84	1.94	0.55	<0.02	8.40	0.95	2.99
3205271 Drill Core	0.20	0.50	0.08	0.09	<0.01	0.01	<0.01	<0.01	4.32	8.77	100.61	0.01	2.62	2.42	0.59	<0.02	7.44	1.78	1.91
3205272 Drill Core	0.14	0.59	0.08	0.10	<0.01	<0.01	<0.01	<0.01	5.20	10.68	99.60	0.02	3.18	3.15	0.68	<0.02	9.17	2.11	3.12
3205273 Drill Core	0.20	0.48	0.10	0.10	<0.01	0.02	<0.01	<0.01	0.24	8.33	99.83	<0.01	2.77	0.46	0.59	<0.02	7.98	0.27	0.57
3205274 Drill Core	0.22	0.23	0.10	0.12	<0.01	0.02	<0.01	<0.01	<0.01	4.47	99.01	<0.01	1.54	0.43	0.48	0.03	3.75	0.25	0.54
3205275 Drill Core	0.28	0.25	0.12	0.19	<0.01	0.03	<0.01	<0.01	<0.01	4.31	99.81	<0.01	1.41	0.47	0.43	0.03	3.50	0.26	0.62
3205276 Drill Core	0.19	0.60	0.08	0.10	<0.01	0.03	<0.01	<0.01	0.07	9.73	99.52	0.01	3.31	0.36	0.65	<0.02	9.70	0.15	0.64
3205277 Drill Core	0.20	0.54	0.08	0.16	<0.01	0.01	<0.01	0.01	0.07	8.46	99.87	0.01	2.91	0.35	0.78	0.02	7.76	0.14	0.61
3205278 Drill Core	0.25	0.41	0.10	0.23	<0.01	0.04	<0.01	<0.01	<0.01	6.53	99.73	<0.01	2.21	0.31	0.56	<0.02	5.95	0.13	0.55
3205279 Drill Core	0.28	0.35	0.11	0.26	<0.01	0.04	<0.01	<0.01	<0.01	5.75	99.31	0.01	1.93	0.39	0.57	0.03	4.86	0.20	0.58
3205280 Rock	1.51	0.13	0.53	0.14	<0.01	0.05	<0.01	<0.01	<0.01	0.89	99.53	0.02	0.03	<0.02	<0.02	<0.02	0.09	<0.02	<0.15
3205281 Drill Core	0.29	0.37	0.10	0.36	<0.01	0.04	<0.01	0.08	0.20	6.84	99.64	0.01	2.16	1.00	0.61	<0.02	5.65	0.64	1.06
3205282 Drill Core	0.27	0.39	0.10	0.28	<0.01	0.03	<0.01	0.03	0.23	6.89	99.86	0.02	2.24	0.48	0.49	<0.02	6.38	0.22	0.80
3205283 Drill Core	0.19	0.41	0.08	0.15	<0.01	0.02	<0.01	<0.01	3.23	7.68	99.46	<0.01	2.45	2.01	0.50	<0.02	7.13	0.74	3.83
3205284 Drill Core	0.24	0.27	0.09	0.16	<0.01	0.03	<0.01	<0.01	6.17	6.48	98.95	<0.01	1.72	3.68	0.45	<0.02	4.63	1.84	5.54
3205285 Drill Core	0.37	0.29	0.10	0.16	<0.01	0.04	<0.01	<0.01	3.01	8.07	99.21	<0.01	1.65	6.40	0.48	<0.02	4.24	3.71	8.04
3205286 Drill Core	0.38	0.30	0.12	0.17	<0.01	0.03	<0.01	<0.01	<0.01	4.91	99.36	0.01	1.73	0.36	0.54	0.03	4.24	0.14	0.66
3205287 Drill Core	0.19	0.45	0.08	0.10	<0.01	0.01	<0.01	<0.01	1.69	8.22	99.12	0.02	2.66	1.32	0.60	<0.02	7.56	0.68	1.91
3205288 Drill Core	0.22	0.45	0.09	0.13	<0.01	0.03	<0.01	<0.01	<0.01	6.96	99.77	<0.01	2.40	0.36	0.63	0.03	6.35	0.14	0.64
3205289 Drill Core	0.24	0.44	0.12	0.29	<0.01	0.03	<0.01	<0.01	0.02	6.68	99.46	0.01	2.27	0.44	0.70	0.03	5.62	0.19	0.78
3205290 Drill Core	0.27	0.41	0.09	0.16	<0.01	0.04	<0.01	<0.01	<0.01	6.74	99.77	0.01	2.34	0.34	0.66	<0.02	6.13	0.14	0.59



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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

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3205291	Drill Core	3.96	0.9	15.0	25.2	541	1.0	39.8	4.9	434	2.33	69	<0.5	<0.5	55	3.2	18.4	<0.5	14	0.29	0.120
3205292	Drill Core	4.64	0.8	13.3	18.8	812	0.7	33.8	4.2	2459	8.71	38	<0.5	<0.5	23	4.9	16.1	<0.5	32	0.13	0.032
3205293	Drill Core	4.47	1.2	31.3	45.1	230	1.2	37.3	4.4	3260	11.37	36	<0.5	<0.5	23	1.2	23.0	<0.5	33	0.16	0.048
3205294	Drill Core	4.32	1.0	14.6	22.6	114	0.7	37.8	4.1	2773	10.29	37	<0.5	<0.5	16	<0.5	13.6	<0.5	31	0.13	0.030
3205295	Drill Core	3.95	1.0	17.2	24.2	1601	0.7	43.0	5.2	1202	4.94	56	<0.5	<0.5	19	7.3	15.0	<0.5	21	0.15	0.048
3205296	Drill Core	4.49	0.9	32.7	17.1	3385	0.6	35.8	4.2	1747	6.16	43	<0.5	<0.5	20	16.6	10.3	<0.5	24	0.14	0.043
3205297	Drill Core	4.12	1.1	12.7	16.3	685	0.5	45.5	5.0	1297	4.77	48	0.6	<0.5	27	3.6	12.5	<0.5	18	0.16	0.052
3205298	Drill Core	2.49	0.6	7.1	16.6	77	<0.5	37.7	3.6	2403	6.70	35	0.9	<0.5	16	<0.5	8.3	<0.5	26	0.11	0.035



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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

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
3205291	Drill Core	<0.5	18.2	0.05	83	<0.001	0.18	<0.01	0.04	<0.5	0.34	1.0	<0.5	0.58	<5	2	90.69	2.29	3.39	0.41	0.13
3205292	Drill Core	<0.5	20.8	0.18	48	<0.001	0.26	<0.01	0.03	<0.5	0.44	3.0	<0.5	0.50	<5	<2	77.19	1.82	12.79	0.19	0.36
3205293	Drill Core	<0.5	20.0	0.24	48	<0.001	0.31	<0.01	0.03	<0.5	0.16	3.9	<0.5	0.42	<5	2	70.52	1.96	16.89	0.24	0.45
3205294	Drill Core	<0.5	20.3	0.23	49	<0.001	0.35	<0.01	0.03	<0.5	0.07	2.8	<0.5	0.39	<5	<2	73.65	2.20	15.11	0.18	0.41
3205295	Drill Core	<0.5	17.5	0.11	67	<0.001	0.34	<0.01	0.05	<0.5	0.38	1.3	<0.5	0.59	<5	<2	84.55	2.64	7.22	0.21	0.22
3205296	Drill Core	<0.5	17.1	0.15	58	<0.001	0.21	<0.01	0.04	<0.5	0.77	1.8	<0.5	0.57	<5	<2	82.48	2.07	9.15	0.21	0.28
3205297	Drill Core	<0.5	17.1	0.12	84	<0.001	0.25	<0.01	0.05	<0.5	0.29	1.0	<0.5	0.46	<5	<2	85.79	2.30	7.07	0.23	0.24
3205298	Drill Core	<0.5	17.6	0.23	36	<0.001	0.11	<0.01	0.02	<0.5	0.09	3.6	<0.5	0.21	<5	<2	82.55	1.14	9.94	0.18	0.43



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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

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CERTIFICATE OF ANALYSIS

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	Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010
	Analyte	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
	Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
3205291	Drill Core	0.33	0.06	0.12	0.29	<0.01	0.04	<0.01	<0.01	0.05	1.94	99.75	0.01	0.59	0.56	0.33	<0.02	0.92	0.26	0.90
3205292	Drill Core	0.21	0.30	0.08	0.09	<0.01	0.02	<0.01	<0.01	0.09	6.20	99.36	<0.01	2.02	0.48	0.47	<0.02	5.65	0.24	0.73
3205293	Drill Core	0.22	0.40	0.09	0.12	0.03	0.03	<0.01	<0.01	0.01	8.29	99.26	0.01	2.78	0.42	0.71	<0.02	7.56	0.20	0.67
3205294	Drill Core	0.27	0.35	0.10	0.07	<0.01	0.03	<0.01	<0.01	0.01	7.13	99.53	0.02	2.44	0.38	0.63	<0.02	6.59	0.19	0.57
3205295	Drill Core	0.40	0.15	0.12	0.12	<0.01	0.04	<0.01	<0.01	0.15	3.41	99.31	0.01	1.07	0.58	0.38	<0.02	2.51	0.28	0.90
3205296	Drill Core	0.34	0.22	0.09	0.11	<0.01	0.04	<0.01	<0.01	0.33	4.40	99.80	0.01	1.45	0.55	0.41	<0.02	3.83	0.28	0.79
3205297	Drill Core	0.39	0.16	0.09	0.14	<0.01	0.06	<0.01	<0.01	0.07	3.41	100.00	0.01	1.14	0.44	0.40	<0.02	2.69	0.22	0.68
3205298	Drill Core	0.17	0.30	0.06	0.08	<0.01	0.01	<0.01	<0.01	<0.01	5.06	99.91	<0.01	1.76	0.20	0.41	<0.02	4.90	0.06	0.43



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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

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QUALITY CONTROL REPORT

WHI20000501.1

	Method	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3205226	Drill Core	4.66	1.1	78.7	347.0	29228	5.2	36.9	5.0	2773	9.01	50	0.7	0.7	17	169.8	52.2	<0.5	35	0.13	0.041
3205292	Drill Core	4.64	0.8	13.3	18.8	812	0.7	33.8	4.2	2459	8.71	38	<0.5	<0.5	23	4.9	16.1	<0.5	32	0.13	0.032
Pulp Duplicates																					
3205217	Drill Core	4.86	2.6	112.5	49.7	39748	9.0	47.6	8.0	590	3.47	52	1.8	1.4	51	290.3	44.8	<0.5	41	0.20	0.089
REP 3205217	QC																				
3205220	Rock Pulp	0.06	3.7	421.4	33445.6	46948	56.8	16.1	41.8	2166	7.35	151	1.5	6.8	24	159.8	44.0	<0.5	11	4.90	0.051
REP 3205220	QC																				
3205224	Drill Core	4.15	2.7	34.2	87.4	693	2.0	52.4	7.7	1935	6.76	41	1.9	1.5	43	5.5	31.7	<0.5	65	0.18	0.069
REP 3205224	QC																				
REP 3205227	QC																				
3205232	Drill Core	1.86	2.8	182.9	51.1	36368	5.2	65.1	9.6	1037	5.21	85	3.6	1.6	55	224.3	37.4	<0.5	48	0.13	0.058
REP 3205232	QC																				
3205233	Drill Core	4.60	3.3	67.7	87.1	13748	2.9	54.6	9.7	1894	8.08	89	1.2	1.4	39	80.3	31.5	<0.5	78	0.25	0.096
REP 3205233	QC		3.5	67.6	92.2	13872	3.0	59.9	10.8	1907	8.14	86	1.2	1.5	42	84.1	31.9	<0.5	79	0.25	0.099
3205243	Drill Core	2.32	3.0	13.0	80.7	156	<0.5	72.9	9.7	1950	6.41	66	1.6	1.8	66	1.4	13.7	<0.5	82	0.20	0.074
REP 3205243	QC																				
3205252	Drill Core	4.04	1.3	64.8	29.1	20713	2.5	36.3	5.2	3350	9.19	42	0.7	0.7	33	88.2	19.5	<0.5	41	0.19	0.059
REP 3205252	QC																				
3205253	Drill Core	4.55	1.0	16.8	19.6	7417	0.9	37.5	4.1	3216	9.29	41	<0.5	<0.5	24	25.8	17.6	<0.5	37	0.17	0.054
REP 3205253	QC																				
3205257	Drill Core	4.82	0.9	73.6	11.5	60022	3.8	28.1	3.3	4010	11.75	33	<0.5	<0.5	16	251.2	18.6	<0.5	46	0.14	0.036
REP 3205257	QC																				
REP 3205261	QC																				
3205262	Drill Core	1.87	0.5	17.2	12.8	6697	1.2	28.8	3.0	6790	15.68	29	<0.5	<0.5	20	14.8	12.4	<0.5	35	0.20	0.037
REP 3205262	QC																				
3205267	Drill Core	4.05	1.7	39.1	46.0	12563	3.2	44.6	7.1	2737	9.53	52	0.6	<0.5	23	52.6	21.5	<0.5	34	0.14	0.043
REP 3205267	QC																				
3205268	Drill Core	4.40	0.6	35.9	40.5	2009	2.4	33.1	4.2	2714	9.68	33	0.9	<0.5	22	9.0	25.6	<0.5	26	0.14	0.050
REP 3205268	QC		0.7	35.9	39.0	2034	2.2	32.7	4.4	2699	9.68	32	0.9	<0.5	23	8.3	24.6	<0.5	26	0.14	0.045



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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

Project: MacMillan Pass
Report Date: January 20, 2021

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QUALITY CONTROL REPORT

WHI20000501.1

	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
3205226	Drill Core	<0.5	23.1	0.30	37	<0.001	0.15	<0.01	0.02	<0.5	16.41	3.6	0.5	1.91	<5	3	73.30	1.28	13.14	0.17	0.45
3205292	Drill Core	<0.5	20.8	0.18	48	<0.001	0.26	<0.01	0.03	<0.5	0.44	3.0	<0.5	0.50	<5	<2	77.19	1.82	12.79	0.19	0.36
Pulp Duplicates																					
3205217	Drill Core	2.2	20.2	0.10	77	0.001	0.50	<0.01	0.06	<0.5	40.77	1.8	<0.5	3.01	<5	4	81.16	3.08	5.01	0.27	0.18
REP 3205217	QC																				
3205220	Rock Pulp	20.5	13.2	2.63	230	0.015	1.00	0.01	0.67	<0.5	0.68	2.5	43.5	7.72	<5	<2	38.18	7.70	10.87	6.92	4.88
REP 3205220	QC																38.15	7.66	10.84	6.91	4.87
3205224	Drill Core	2.2	21.4	0.23	104	0.001	0.72	<0.01	0.09	<0.5	0.67	4.3	0.5	1.04	<5	2	74.35	7.01	9.99	0.23	0.38
REP 3205224	QC																74.22	6.99	9.98	0.23	0.39
REP 3205227	QC																				
3205232	Drill Core	2.1	15.1	0.15	79	0.001	0.74	<0.01	0.07	0.6	29.27	2.3	<0.5	3.48	<5	5	73.94	5.89	7.52	0.17	0.25
REP 3205232	QC																				
3205233	Drill Core	1.7	24.8	0.20	78	0.001	0.47	<0.01	0.07	<0.5	9.83	5.1	<0.5	3.43	<5	5	71.29	5.06	11.98	0.33	0.34
REP 3205233	QC	1.7	23.1	0.21	78	0.001	0.47	<0.01	0.07	<0.5	10.30	5.0	<0.5	3.43	<5	4					
3205243	Drill Core	2.2	19.8	0.19	113	0.001	0.65	<0.01	0.12	<0.5	0.27	5.4	<0.5	0.49	<5	3	71.44	9.47	9.30	0.29	0.39
REP 3205243	QC																				
3205252	Drill Core	0.7	14.9	0.25	138	0.001	0.38	<0.01	0.08	<0.5	9.66	3.4	<0.5	1.57	<5	2	70.57	3.64	13.10	0.26	0.42
REP 3205252	QC																				
3205253	Drill Core	<0.5	16.5	0.23	82	<0.001	0.23	<0.01	0.04	<0.5	3.86	3.3	<0.5	0.91	<5	<2	75.24	1.95	13.33	0.24	0.38
REP 3205253	QC																75.24	1.95	13.34	0.24	0.37
3205257	Drill Core	<0.5	19.6	0.28	36	<0.001	0.32	<0.01	0.02	<0.5	27.73	3.6	<0.5	3.31	6	2	63.49	1.42	16.66	0.20	0.45
REP 3205257	QC																63.23	1.40	16.63	0.19	0.46
REP 3205261	QC																				
3205262	Drill Core	<0.5	18.5	0.36	82	<0.001	0.30	<0.01	0.03	<0.5	3.55	4.4	<0.5	0.77	<5	<2	60.72	1.65	22.86	0.29	0.61
REP 3205262	QC																				
3205267	Drill Core	<0.5	14.6	0.24	60	<0.001	0.34	<0.01	0.04	<0.5	7.14	3.3	<0.5	1.40	<5	3	73.38	2.50	13.51	0.22	0.44
REP 3205267	QC																				
3205268	Drill Core	<0.5	13.7	0.25	48	<0.001	0.24	<0.01	0.03	<0.5	1.52	2.9	<0.5	0.41	<5	3	74.51	1.78	13.61	0.22	0.39
REP 3205268	QC	<0.5	14.2	0.23	46	<0.001	0.22	<0.01	0.03	<0.5	1.35	2.2	<0.5	0.41	<5	2					



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PHONE (604) 253-3158

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
3205226	Drill Core	0.17	0.35	0.08	0.09	<0.01	0.03	<0.01	0.03	2.97	7.20	100.01	0.01	2.09	2.00	0.32	<0.02	6.45	1.28	2.15
3205292	Drill Core	0.21	0.30	0.08	0.09	<0.01	0.02	<0.01	<0.01	0.09	6.20	99.36	<0.01	2.02	0.48	0.47	<0.02	5.65	0.24	0.73
Pulp Duplicates																				
3205217	Drill Core	0.54	0.08	0.34	0.21	<0.01	0.05	<0.01	<0.01	4.05	3.52	99.51	0.02	0.78	3.29	0.43	0.02	1.20	1.92	4.11
REP 3205217	QC																		2.12	
3205220	Rock Pulp	3.59	0.29	0.25	0.13	<0.01	0.10	0.04	3.61	5.02	16.58	99.87	<0.01	3.13	8.15	0.26	<0.02	10.50	2.40	17.24
REP 3205220	QC	3.60	0.28	0.24	0.12	<0.01	0.10	0.04	3.62	5.02	16.58	99.74	<0.01							
3205224	Drill Core	0.85	0.25	0.43	0.15	<0.01	0.10	<0.01	<0.01	0.07	6.31	100.22	0.04	1.79	1.09	0.58	0.05	4.25	0.82	0.82
REP 3205224	QC	0.88	0.26	0.43	0.15	<0.01	0.09	<0.01	<0.01	0.07	6.31	100.07	0.04							
REP 3205227	QC													1.89	2.62					
3205232	Drill Core	0.71	0.13	0.40	0.12	<0.01	0.08	0.01	<0.01	3.76	5.48	99.47	0.03	1.12	3.64	0.51	<0.02	2.15	2.67	2.92
REP 3205232	QC																	2.15		
3205233	Drill Core	0.61	0.24	0.34	0.21	<0.01	0.05	<0.01	<0.01	1.39	7.14	99.39	0.04	1.88	3.56	0.74	0.03	4.05	2.72	2.53
REP 3205233	QC																0.03			
3205243	Drill Core	1.37	0.25	0.53	0.19	<0.01	0.13	<0.01	0.01	0.02	6.50	99.99	0.06	2.00	0.50	0.80	0.04	4.25	0.33	0.52
REP 3205243	QC																		0.35	
3205252	Drill Core	0.70	0.43	0.19	0.14	<0.01	0.08	<0.01	<0.01	2.06	7.25	99.40	0.02	2.15	1.56	0.49	<0.02	6.10	0.90	1.97
REP 3205252	QC																		1.05	
3205253	Drill Core	0.31	0.41	0.09	0.14	<0.01	0.04	<0.01	<0.01	0.75	6.77	99.85	0.01	2.17	0.93	0.51	<0.02	6.11	0.47	1.38
REP 3205253	QC	0.32	0.41	0.09	0.12	<0.01	0.05	<0.01	<0.01	0.75	6.77	99.85	0.01							
3205257	Drill Core	0.17	0.50	0.08	0.09	<0.01	0.02	<0.01	<0.01	5.98	9.22	99.83	0.02	2.65	3.31	0.55	<0.02	7.69	2.52	2.38
REP 3205257	QC	0.17	0.49	0.08	0.09	<0.01	0.03	<0.01	<0.01	5.93	9.22	99.42	0.02							
REP 3205261	QC																		0.44	
3205262	Drill Core	0.20	0.86	0.08	0.09	<0.01	0.03	<0.01	<0.01	0.66	11.36	99.56	0.01	3.72	0.80	0.67	<0.02	11.19	0.45	1.06
REP 3205262	QC													3.71	0.77					
3205267	Drill Core	0.39	0.35	0.12	0.10	<0.01	0.03	<0.01	<0.01	1.23	7.24	99.83	0.01	2.28	1.40	0.71	<0.02	5.73	0.75	1.96
REP 3205267	QC																	5.85		
3205268	Drill Core	0.25	0.34	0.08	0.10	<0.01	0.03	<0.01	<0.01	0.19	6.78	98.34	<0.01	2.25	0.40	0.57	<0.02	6.15	0.18	0.66
REP 3205268	QC																<0.02			



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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

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		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3205284	Drill Core	4.55	1.0	58.4	17.8	61850	1.9	38.8	4.2	2198	7.79	54	<0.5	<0.5	29	287.0	16.5	<0.5	30	0.19	0.072
REP 3205284	QC																				
3205286	Drill Core	4.02	1.1	12.0	20.8	128	0.5	36.9	4.0	2483	6.73	62	0.6	<0.5	32	<0.5	14.1	<0.5	37	0.20	0.072
REP 3205286	QC																				
3205290	Drill Core	3.90	0.8	14.2	21.0	63	0.7	37.3	4.5	3347	9.30	50	<0.5	<0.5	32	<0.5	16.0	<0.5	39	0.21	0.067
REP 3205290	QC																				
3205294	Drill Core	4.32	1.0	14.6	22.6	114	0.7	37.8	4.1	2773	10.29	37	<0.5	<0.5	16	<0.5	13.6	<0.5	31	0.13	0.030
REP 3205294	QC																				
3205297	Drill Core	4.12	1.1	12.7	16.3	685	0.5	45.5	5.0	1297	4.77	48	0.6	<0.5	27	3.6	12.5	<0.5	18	0.16	0.052
REP 3205297	QC		1.0	12.3	16.2	684	0.5	45.0	4.9	1286	4.71	49	0.6	<0.5	27	3.6	12.1	<0.5	18	0.15	0.052
3205298	Drill Core	2.49	0.6	7.1	16.6	77	<0.5	37.7	3.6	2403	6.70	35	0.9	<0.5	16	<0.5	8.3	<0.5	26	0.11	0.035
REP 3205298	QC		0.6	7.0	16.4	71	<0.5	38.4	3.5	2405	6.71	36	0.9	<0.5	16	<0.5	7.9	<0.5	26	0.12	0.036
Core Reject Duplicates																					
3205227	Drill Core	3.51	1.3	124.3	524.1	40884	8.4	28.7	4.7	2275	7.74	40	<0.5	0.5	21	207.8	55.6	<0.5	35	0.15	0.047
DUP 3205227	QC		1.3	133.5	493.8	40729	8.9	29.8	4.3	2232	7.55	41	<0.5	<0.5	21	215.4	51.1	<0.5	34	0.15	0.047
3205261	Drill Core	2.50	0.5	17.9	14.3	7202	1.2	28.0	3.0	6965	15.95	28	<0.5	<0.5	21	16.2	11.8	<0.5	36	0.21	0.041
DUP 3205261	QC		<0.5	19.5	12.0	7258	1.3	29.8	3.1	7013	16.16	27	<0.5	<0.5	21	16.6	12.3	<0.5	36	0.22	0.039
3205295	Drill Core	3.95	1.0	17.2	24.2	1601	0.7	43.0	5.2	1202	4.94	56	<0.5	<0.5	19	7.3	15.0	<0.5	21	0.15	0.048
DUP 3205295	QC		0.9	16.4	24.4	1576	0.7	42.3	5.2	1183	4.84	53	<0.5	<0.5	20	7.1	14.3	<0.5	21	0.15	0.049
Reference Materials																					
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD GGC-09	Standard																				
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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client:

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Suite 1020, 800 Pender Street

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		AQ270 La ppm 0.5	AQ270 Cr ppm 0.5	AQ270 Mg % 0.01	AQ270 Ba ppm 5	AQ270 Ti % 0.001	AQ270 Al % 0.01	AQ270 Na % 0.01	AQ270 K % 0.01	AQ270 W ppm 0.5	AQ270 Hg ppm 0.05	AQ270 Sc ppm 0.5	AQ270 Ti ppm 0.5	AQ270 S % 0.05	AQ270 Ga ppm 5	AQ270 Se ppm 2	LF725 SiO2 % 0.01	LF725 Al2O3 % 0.01	LF725 Fe2O3 % 0.01	LF725 CaO % 0.01	LF725 MgO % 0.01
3205284	Drill Core	<0.5	16.8	0.20	64	<0.001	0.32	<0.01	0.03	<0.5	10.35	2.4	<0.5	3.60	<5	4	70.62	1.62	11.10	0.29	0.35
REP 3205284	QC																				
3205286	Drill Core	0.6	18.3	0.16	76	<0.001	0.23	<0.01	0.05	<0.5	0.08	2.5	<0.5	0.37	<5	<2	80.89	2.10	9.87	0.30	0.30
REP 3205286	QC																80.72	2.07	9.88	0.29	0.31
3205290	Drill Core	<0.5	24.9	0.19	72	0.001	0.28	<0.01	0.04	<0.5	0.07	2.8	<0.5	0.35	<5	<2	75.53	2.08	13.76	0.32	0.38
REP 3205290	QC																75.41	2.10	13.74	0.31	0.38
3205294	Drill Core	<0.5	20.3	0.23	49	<0.001	0.35	<0.01	0.03	<0.5	0.07	2.8	<0.5	0.39	<5	<2	73.65	2.20	15.11	0.18	0.41
REP 3205294	QC																				
3205297	Drill Core	<0.5	17.1	0.12	84	<0.001	0.25	<0.01	0.05	<0.5	0.29	1.0	<0.5	0.46	<5	<2	85.79	2.30	7.07	0.23	0.24
REP 3205297	QC	<0.5	17.8	0.12	83	<0.001	0.24	<0.01	0.05	<0.5	0.23	1.0	<0.5	0.46	<5	<2	85.50	2.32	7.00	0.23	0.22
3205298	Drill Core	<0.5	17.6	0.23	36	<0.001	0.11	<0.01	0.02	<0.5	0.09	3.6	<0.5	0.21	<5	<2	82.55	1.14	9.94	0.18	0.43
REP 3205298	QC	<0.5	17.4	0.23	34	0.001	0.10	<0.01	0.02	<0.5	0.14	4.0	<0.5	0.21	<5	<2					
Core Reject Duplicates																					
3205227	Drill Core	<0.5	20.2	0.24	29	<0.001	0.18	<0.01	0.02	<0.5	23.56	2.8	<0.5	2.39	<5	3	74.53	1.33	11.26	0.20	0.38
DUP 3205227	QC	<0.5	17.7	0.23	25	<0.001	0.18	<0.01	0.02	<0.5	24.40	2.4	<0.5	2.48	<5	3	73.50	1.32	10.95	0.19	0.37
3205261	Drill Core	<0.5	13.5	0.37	78	<0.001	0.30	<0.01	0.02	<0.5	3.86	3.9	<0.5	0.81	<5	<2	59.93	1.67	23.51	0.29	0.64
DUP 3205261	QC	<0.5	13.3	0.38	79	<0.001	0.31	<0.01	0.03	<0.5	3.88	3.6	<0.5	0.80	<5	<2	59.28	1.68	23.41	0.30	0.63
3205295	Drill Core	<0.5	17.5	0.11	67	<0.001	0.34	<0.01	0.05	<0.5	0.38	1.3	<0.5	0.59	<5	<2	84.55	2.64	7.22	0.21	0.22
DUP 3205295	QC	<0.5	17.9	0.11	69	<0.001	0.34	<0.01	0.05	<0.5	0.32	1.3	<0.5	0.57	<5	<2	84.74	2.61	7.14	0.22	0.21
Reference Materials																					
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010		
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4		
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%		
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15		
3205284	Drill Core	0.24	0.27	0.09	0.16	<0.01	0.03	<0.01	<0.01	6.17	6.48	98.95	<0.01	1.72	3.68	0.45	<0.02	4.63	1.84	5.54		
REP 3205284	QC																			1.71		
3205286	Drill Core	0.38	0.30	0.12	0.17	<0.01	0.03	<0.01	<0.01	<0.01	4.91	99.36	0.01	1.73	0.36	0.54	0.03	4.24	0.14	0.66		
REP 3205286	QC	0.38	0.31	0.11	0.17	<0.01	0.04	<0.01	<0.01	<0.01	4.91	99.18	0.01									
3205290	Drill Core	0.27	0.41	0.09	0.16	<0.01	0.04	<0.01	<0.01	<0.01	6.74	99.77	0.01	2.34	0.34	0.66	<0.02	6.13	0.14	0.59		
REP 3205290	QC	0.27	0.41	0.09	0.16	<0.01	0.03	<0.01	<0.01	<0.01	6.74	99.64	0.01									
3205294	Drill Core	0.27	0.35	0.10	0.07	<0.01	0.03	<0.01	<0.01	0.01	7.13	99.53	0.02	2.44	0.38	0.63	<0.02	6.59	0.19	0.57		
REP 3205294	QC														2.46	0.38						
3205297	Drill Core	0.39	0.16	0.09	0.14	<0.01	0.06	<0.01	<0.01	0.07	3.41	100.00	0.01	1.14	0.44	0.40	<0.02	2.69	0.22	0.68		
REP 3205297	QC	0.39	0.17	0.09	0.15	<0.01	0.05	<0.01	<0.01	0.07	3.41	99.61	0.02								<0.02	2.74
3205298	Drill Core	0.17	0.30	0.06	0.08	<0.01	0.01	<0.01	<0.01	<0.01	5.06	99.91	<0.01	1.76	0.20	0.41	<0.02	4.90	0.06	0.43		
REP 3205298	QC																	<0.02				
Core Reject Duplicates																						
3205227	Drill Core	0.16	0.29	0.06	0.12	<0.01	0.02	<0.01	0.05	4.17	6.61	100.24	0.01	1.90	2.62	0.41	<0.02	5.46	1.49	3.39		
DUP 3205227	QC	0.16	0.28	0.07	0.11	<0.01	0.03	<0.01	0.05	4.18	6.53	98.81	0.01	1.90	2.67	0.42	<0.02	5.36	1.27	4.21		
3205261	Drill Core	0.20	0.88	0.08	0.09	<0.01	0.03	<0.01	<0.01	0.72	11.75	99.97	0.01	3.82	0.84	0.68	<0.02	11.54	0.50	1.02		
DUP 3205261	QC	0.19	0.88	0.07	0.09	<0.01	0.02	<0.01	<0.01	0.72	11.83	99.28	0.01	3.86	0.82	0.71	<0.02	11.55	0.39	1.29		
3205295	Drill Core	0.40	0.15	0.12	0.12	<0.01	0.04	<0.01	<0.01	0.15	3.41	99.31	0.01	1.07	0.58	0.38	<0.02	2.51	0.28	0.90		
DUP 3205295	QC	0.40	0.15	0.12	0.13	<0.01	0.04	<0.01	<0.01	0.15	3.32	99.30	0.01	1.07	0.55	0.36	<0.02	2.61	0.28	0.80		
Reference Materials																						
STD COO2	Standard																		3.69			
STD COO2	Standard																		3.56			
STD COO2	Standard																		3.39			
STD COO2	Standard																		3.47			
STD COO2	Standard																		3.58			
STD COO2	Standard																		3.38			
STD GGC-09	Standard																2.32					
STD GGC-09	Standard																2.42					
STD GGC-09	Standard																2.43					



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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

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QUALITY CONTROL REPORT

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		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard		8.5	285.2	17766.2	28214	56.2	36.5	29.7	4038	9.03	980	9.3	11.2	26	70.5	38.8	5.2	32	1.89	0.088
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard		4.5	49801.1	895.7	2090	>1000	1524.5	99.6	81	3.70	1686	1.0	3.0	49	15.3	289.4	21.0	<10	0.19	0.010
STD OREAS605	Standard		4.8	47900.0	892.4	2141	957.1	1539.0	101.7	90	3.71	1729	1.0	2.7	50	15.1	289.5	20.5	<10	0.18	0.011
STD OREAS605	Standard		5.1	47783.6	900.0	2158	957.9	1610.1	95.8	81	3.77	1706	0.9	2.7	52	14.2	292.9	20.2	<10	0.18	0.014
STD OREAS605	Standard		4.9	47469.0	892.2	2185	971.3	1621.2	105.7	82	3.77	1704	0.9	4.3	46	15.0	284.1	17.9	<10	0.18	0.010
STD OREAS605	Standard		4.7	48237.2	861.2	2194	975.7	1527.7	97.0	82	3.65	1746	0.8	2.1	44	12.9	263.7	16.3	<10	0.18	0.008
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard		1.1	11017.6	213.9	739	5.1	28.5	30.3	1073	8.22	15	1.6	14.3	14	1.0	1.2	67.0	34	0.31	0.049
STD OREAS927-AR	Standard		1.1	10655.2	232.8	715	4.5	29.6	30.4	1099	8.19	13	1.7	13.2	13	1.1	1.3	71.3	35	0.30	0.054
STD OREAS927-AR	Standard		1.2	10824.1	224.7	722	6.0	30.9	29.1	1073	8.32	12	1.7	13.4	13	1.1	1.2	64.6	35	0.31	0.054
STD OREAS927-AR	Standard		1.0	10620.9	208.8	728	5.0	30.3	29.2	1067	8.14	11	1.4	11.5	12	1.0	1.2	54.9	35	0.30	0.049



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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

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QUALITY CONTROL REPORT

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		AQ270 La ppm 0.5	AQ270 Cr ppm 0.5	AQ270 Mg % 0.01	AQ270 Ba ppm 5	AQ270 Ti % 0.001	AQ270 Al % 0.01	AQ270 Na % 0.01	AQ270 K % 0.01	AQ270 W ppm 0.5	AQ270 Hg ppm 0.05	AQ270 Sc ppm 0.5	AQ270 Tl ppm 0.5	AQ270 S % 0.05	AQ270 Ga ppm 5	AQ270 Se ppm 2	LF725 SiO2 % 0.01	LF725 Al2O3 % 0.01	LF725 Fe2O3 % 0.01	LF725 CaO % 0.01	LF725 MgO % 0.01
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard	39.5	22.9	0.83	449	0.027	1.10	0.02	0.50	3.0	1.29	3.2	6.2	7.14	<5	<2					
STD OREAS133B(D)	Standard																33.69	6.85	11.51	5.29	3.80
STD OREAS133B(D)	Standard																33.71	6.87	11.54	5.31	3.79
STD OREAS133B(D)	Standard																33.64	6.84	11.53	5.33	3.79
STD OREAS133B(D)	Standard																33.79	6.88	11.63	5.31	3.82
STD OREAS605	Standard	7.0	28.9	0.03	157	0.010	0.74	0.03	0.15	6.9	1.94	1.8	16.9	7.65	7	76					
STD OREAS605	Standard	8.0	27.0	0.03	225	0.011	0.70	0.03	0.12	7.9	1.65	1.1	15.8	7.70	6	77					
STD OREAS605	Standard	8.2	30.8	0.03	251	0.011	0.76	0.03	0.14	7.9	1.82	1.1	16.1	7.66	6	79					
STD OREAS605	Standard	7.5	27.2	0.03	231	0.010	0.80	0.03	0.14	7.0	1.59	2.3	16.1	7.76	7	78					
STD OREAS605	Standard	7.1	29.6	0.03	304	0.009	0.68	0.03	0.12	6.4	1.78	0.8	15.3	7.88	6	78					
STD OREAS72B	Standard																51.19	8.96	9.82	3.97	16.07
STD OREAS72B	Standard																51.14	8.92	9.82	3.97	16.08
STD OREAS72B	Standard																51.02	8.93	9.85	3.97	16.02
STD OREAS72B	Standard																51.05	8.96	9.81	3.97	15.98
STD OREAS927-AR	Standard	25.1	42.2	1.97	44	0.085	3.31	<0.01	0.28	5.1	0.11	4.7	<0.5	1.80	9	15					
STD OREAS927-AR	Standard	27.3	42.9	1.95	47	0.081	3.31	0.01	0.25	5.1	0.12	5.5	<0.5	1.81	9	14					
STD OREAS927-AR	Standard	25.7	42.7	1.99	50	0.094	3.49	<0.01	0.31	5.0	0.14	5.7	<0.5	1.73	10	16					
STD OREAS927-AR	Standard	24.0	41.6	1.91	37	0.080	3.24	<0.01	0.23	4.3	<0.05	3.4	<0.5	1.77	9	16					



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Fireweed Zinc Ltd.**
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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15
STD GGC-09	Standard	2.26																		
STD GGC-10	Standard	4.79																		
STD GGC-10	Standard	4.87																		
STD GGC-10	Standard	4.97																		
STD GGC-10	Standard	4.87																		
STD GS311-1	Standard													1.00	2.37					
STD GS311-1	Standard													0.96	2.38					
STD GS311-1	Standard													0.99	2.27					
STD GS910-4	Standard													2.75	8.60					
STD GS910-4	Standard													2.56	8.71					
STD GS910-4	Standard													2.68	7.94					
STD OREAS135	Standard																			
STD OREAS133B(D)	Standard	3.46	0.16	0.21	0.10	<0.01	0.09	0.03	5.07	11.36	13.03	98.00	0.01							
STD OREAS133B(D)	Standard	3.47	0.16	0.22	0.09	<0.01	0.07	0.03	5.07	11.34	13.03	98.07	0.01							
STD OREAS133B(D)	Standard	3.47	0.16	0.22	0.10	<0.01	0.07	0.03	5.05	11.40	13.03	98.01	<0.01							
STD OREAS133B(D)	Standard	3.47	0.16	0.21	0.08	<0.01	0.07	0.03	5.06	11.36	13.03	98.28	0.01							
STD OREAS605	Standard																			
STD OREAS605	Standard																			
STD OREAS605	Standard																			
STD OREAS605	Standard																			
STD OREAS605	Standard																			
STD OREAS72B	Standard	1.33	0.13	0.34	0.06	0.14	0.03	0.02	<0.01	<0.01	5.23	98.62	0.01							
STD OREAS72B	Standard	1.31	0.12	0.35	0.06	0.14	0.03	0.02	<0.01	0.01	4.98	98.26	0.01							
STD OREAS72B	Standard	1.34	0.14	0.35	0.06	0.14	0.03	0.02	<0.01	0.01	5.28	98.47	0.01							
STD OREAS72B	Standard	1.32	0.13	0.35	0.06	0.15	0.03	0.02	<0.01	0.01	4.98	98.14	0.01							
STD OREAS927-AR	Standard																			
STD OREAS927-AR	Standard																			
STD OREAS927-AR	Standard																			
STD OREAS927-AR	Standard																			



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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

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		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
STD RTS-3A	Standard																			
STD RTS-3A	Standard																			
STD RTS-3A	Standard																			
STD RTS-3A	Standard																			
STD SY-4(D)	Standard																			
STD SY-4(D)	Standard																			
STD SY-4(D)	Standard																			
STD SY-4(D)	Standard																			
STD OREAS135 Expected			8.25	294	17000	28000	55.2	36	29.6	3960	8.97	937	9.4	10.4	26.5	67	38	5.1	33.4	1.83
STD GS311-1 Expected																				0.086
STD GS910-4 Expected																				
STD SY-4(D) Expected																				
STD OREAS72B Expected																				
STD OREAS133B(D) Expected																				
STD COO2 Expected																				
STD OREAS605 Expected			4.75	49800	856	2170	984	1568	96	83.44	3.6707	1674	0.9		49	13.6	290	19	7.8	0.182
STD OREAS927-AR Expected			1.06	10715	203	726	4.9	30.9	29.4	1110	8.15	13.5	1.7	12.5	13.1	1.1	1.3	66	34	0.3
STD GGC-10 Expected																				0.0105
STD GGC-09 Expected																				0.054
STD RTS-3A Expected																				
BLK	Blank		<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank		<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
SI BLK	Blank																			
SI BLK	Blank																			



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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

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		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725	
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD SY-4(D)	Standard																49.86	20.83	6.21	8.00	0.53
STD SY-4(D)	Standard																50.02	20.85	6.21	8.01	0.53
STD SY-4(D)	Standard																49.92	20.79	6.17	8.02	0.53
STD SY-4(D)	Standard																49.82	20.92	6.19	8.01	0.53
STD OREAS135 Expected		39.8	22	0.833	366	0.026	1.09	0.017	0.487	2.93	1.21	3.51	6.27	7.08	4.8						
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD SY-4(D) Expected																	49.9	20.69	6.21	8.05	0.54
STD OREAS72B Expected																	51.17	8.97	9.724	3.96	15.933
STD OREAS133B(D) Expected																	33.83	6.91	11.67	5.4	3.73
STD COO2 Expected																					
STD OREAS605 Expected		7.5	28.8	0.0289	222	0.0103	0.73	0.0328	0.134	7.1	1.7	1.3	15.5	7.86	6.7	77					
STD OREAS927-AR Expected		26.9	41.7	1.94	51.4	0.085	3.25	0.011	0.27	4.9	0.12	4.74	1.77		9.09	15.5					
STD GGC-10 Expected																					
STD GGC-09 Expected																					
STD RTS-3A Expected																					
BLK	Blank	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2					
BLK	Blank	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2					
BLK	Blank	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	0.06	<0.5	<0.5	<0.05	<5	<2					
BLK	Blank	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																99.12	0.30	0.02	<0.01	0.02
SI BLK	Blank																99.17	0.32	0.01	<0.01	<0.01



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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.



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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

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		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
SI BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		0.6	3.0	1.6	30	<0.5	1.0	3.7	390	1.85	<5	<0.5	2.6	23	<0.5	<0.5	<0.5	23	0.59	0.036
ROCK-WHI	Prep Blank		0.7	2.0	1.3	28	<0.5	1.0	3.6	402	1.85	<5	<0.5	2.5	22	<0.5	<0.5	<0.5	22	0.61	0.039



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PHONE (604) 253-3158

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		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
SI BLK	Blank																98.70	0.30	0.01	0.03	0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																98.82	0.31	0.02	0.02	0.01
BLK	Blank																				
BLK	Blank	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	6.7	3.5	0.47	62	0.096	0.87	0.10	0.09	<0.5	<0.05	2.9	<0.5	<0.05	<5	<2	71.14	13.92	3.09	2.28	0.80
ROCK-WHI	Prep Blank	6.7	3.5	0.43	58	0.095	0.86	0.10	0.09	<0.5	<0.05	2.8	<0.5	<0.05	<5	<2	71.63	14.05	3.12	2.29	0.80



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010		
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.15	
SI BLK	Blank	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.05	<0.01								
BLK	Blank																		<0.02		
BLK	Blank														<0.02	<0.02					
BLK	Blank																<0.08				
BLK	Blank													<0.02	<0.02						
BLK	Blank													<0.02	<0.02						
BLK	Blank																		<0.02		
BLK	Blank																		<0.02		
BLK	Blank																	<0.08			
SI BLK	Blank	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.16	<0.01								
BLK	Blank																		<0.08		
BLK	Blank																				
BLK	Blank																<0.02				
BLK	Blank																		<0.02		
BLK	Blank																		<0.02		
Prep Wash																					
ROCK-WHI	Prep Blank	1.97	0.08	0.33	0.09	<0.01	0.09	<0.01	<0.01	<0.01	0.82	99.10	<0.01	0.05	<0.02	0.05	<0.02	<0.08	<0.02	<0.15	
ROCK-WHI	Prep Blank	2.01	0.08	0.32	0.10	<0.01	0.09	<0.01	<0.01	<0.01	0.70	99.71	0.01	0.06	<0.02	<0.02	<0.02	0.18	<0.02	<0.15	