BUREAU VERITAS MINERAL LABORATORIES 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

Submitted By: Confirmation & Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: September 24, 2018
Report Date: November 23, 2018
Page: 1 of 4

CERTIFICATE OF ANALYSIS WHI18000982.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ18-BV-031
P.O. Number
Number of Samples: 80

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-500	79	Crush, split and pulverize 500g rock to 200 mesh		Completed	WHI
SLBHP	1	Sort, label and box pulps			WHI
CRUBW	79	Extra clean rock wash between samples in crusher			WHI
PULSW	79	Extra Wash with Silica between each sample			WHI
FA330	79	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
EN002	80	Environmental disposal charge-Fire assay lead waste			VAN
AQ270	80	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	80	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC006	80	15% HClO4 leach, CO2 analysis by Leco	0.2	Completed	VAN
TC003	80	Analysis by Leco	0.1	Completed	VAN
SHP01	80	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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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Project: MacMillan Pass
Report Date: November 23, 2018

CERTIFICATE OF ANALYSIS WHI18000982.1

	Method	WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
	Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
3207286	Drill Core	5.37	4	4	<2	18.4	30.2	254.5	7236	0.9	66.7	4.0	7476	10.23	25	2.1	0.7	181	35.1	3.6	<0.5
3207287	Drill Core	3.34	4	<3	4	37.3	31.6	343.6	988	1.2	82.7	3.3	5725	8.36	17	4.4	2.1	183	5.8	3.8	<0.5
3207288	Drill Core	3.45	5	3	<2	11.3	167.5	352.1	14323	2.3	125.5	9.4	8039	15.92	64	5.7	<0.5	139	69.5	11.8	<0.5
3207289	Drill Core	3.79	<2	3	<2	4.0	9.6	157.4	863	<0.5	20.1	1.1	7234	10.27	<5	1.2	<0.5	138	4.2	1.6	<0.5
3207290	Drill Core	3.68	<2	<3	<2	8.6	90.3	161.0	1367	0.9	86.8	4.1	7294	10.97	24	3.4	0.7	174	6.3	5.0	<0.5
3207291	Drill Core	3.62	<2	7	7	77.8	52.2	353.5	246	1.4	133.3	4.5	4571	6.78	10	8.1	4.1	160	1.1	4.3	<0.5
3207292	Drill Core	4.23	2	5	5	108.6	97.6	142.8	265	0.8	271.0	6.2	1869	4.93	48	17.0	1.4	61	1.6	6.6	<0.5
3207293	Drill Core	3.07	6	3	8	172.7	78.9	207.3	66	0.8	333.6	10.2	2394	5.30	96	29.5	2.1	84	0.5	6.4	<0.5
3207294	Drill Core	3.65	2	8	2	137.5	61.2	171.7	44	0.7	261.3	9.3	1839	3.91	72	23.1	1.7	72	<0.5	5.1	<0.5
3207295	Drill Core	4.88	<2	7	6	115.1	56.4	179.6	36	0.6	229.3	10.0	1879	3.97	64	20.5	1.7	67	<0.5	4.5	<0.5
3207296	Drill Core	5.17	<2	4	3	91.3	49.4	200.7	50	0.7	217.7	6.4	2124	4.11	29	13.6	1.4	84	<0.5	5.2	<0.5
3207297	Drill Core	5.02	4	<3	<2	71.6	74.6	1018.5	534	2.3	258.2	10.1	4617	11.10	99	12.7	1.6	17	2.3	13.6	<0.5
3207298	Drill Core	3.56	3	<3	<2	72.6	41.3	575.4	1191	1.2	195.3	6.6	2137	5.46	44	11.3	1.6	15	4.9	10.7	<0.5
3207299	Drill Core	7.25	3	<3	<2	67.7	85.6	8011.1	1251	10.1	179.5	7.4	4925	11.85	24	13.9	1.5	12	6.3	18.6	<0.5
3207300	Drill Core	4.80	3	4	<2	52.9	82.7	1363.8	684	1.7	159.1	6.5	4501	9.97	20	11.2	1.2	9	3.1	7.3	<0.5
3207301	Drill Core	4.51	3	<3	<2	52.9	106.8	2063.9	672	2.7	162.1	8.4	3381	7.78	37	10.3	1.4	19	3.0	9.1	<0.5
3207302	Drill Core	6.15	<2	<3	<2	41.9	116.8	842.0	108	1.3	99.9	7.2	10140	26.35	52	9.4	1.0	16	<0.5	8.1	<0.5
3207303	Drill Core	6.37	5	<3	<2	66.5	70.6	587.9	95	1.0	157.3	7.9	5938	15.34	33	14.4	2.0	20	<0.5	7.5	<0.5
3207304	Drill Core	7.01	3	<3	4	57.8	59.5	1146.4	762	1.7	200.0	7.6	3789	9.25	29	13.7	2.3	16	3.3	8.1	<0.5
3207305	Drill Core	6.89	4	3	2	70.2	50.2	1279.3	1445	1.9	199.3	7.7	4950	11.06	11	16.3	2.6	21	6.8	6.7	<0.5
3207306	Drill Core	5.87	6	<3	<2	52.5	88.4	879.9	3977	1.5	176.4	6.9	6714	16.11	71	12.0	2.0	15	17.2	10.2	<0.5
3207307	Drill Core	5.77	3	6	3	62.3	62.4	1397.6	621	2.3	176.8	7.8	7414	16.49	18	12.7	2.5	12	2.7	8.4	<0.5
3207308	Drill Core	6.57	3	<3	3	56.3	53.7	876.1	367	1.4	166.1	7.6	7357	17.74	33	14.0	2.3	16	1.3	6.2	<0.5
3207309	Drill Core	7.01	2	<3	<2	44.1	50.2	607.1	157	0.9	93.1	5.8	10007	24.63	30	8.7	1.1	26	0.6	5.0	<0.5
3207310	Drill Core	5.68	<2	<3	<2	60.4	51.9	550.2	35	0.9	117.5	8.5	6357	17.30	30	12.5	1.6	17	<0.5	5.2	<0.5
3207311	Drill Core	5.85	4	4	3	39.5	137.5	514.5	54	0.9	112.7	10.7	7921	21.70	174	9.1	0.9	29	<0.5	18.7	<0.5
3207312	Drill Core	3.78	3	5	2	27.0	68.8	1133.6	57	1.4	115.8	8.1	5248	13.47	39	5.8	0.8	39	<0.5	5.8	<0.5
3207313	Drill Core	5.43	<2	<3	<2	33.4	116.1	1569.1	128	1.7	95.6	11.0	4621	12.47	30	7.1	0.9	33	0.6	5.5	<0.5
3207314	Drill Core	6.52	3	4	4	62.6	143.8	974.8	47	1.4	159.8	10.4	5995	17.55	18	12.4	1.6	24	<0.5	7.1	<0.5
3207315	Rock Pulp	0.04	I.S.	I.S.	I.S.	2.7	234.2	18178.5	30351	35.0	26.8	20.6	1848	5.62	87	1.7	6.9	23	94.3	48.6	<0.5

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Project: MacMillan Pass
Report Date: November 23, 2018

CERTIFICATE OF ANALYSIS WHI18000982.1

	Method	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
	MDL	10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
3207286	Drill Core	154	14.79	0.025	3.7	8.3	4.42	35	<0.001	0.10	<0.01	0.04	<0.5	1.78	1.2	<0.5	1.01	<5	4	18.90	1.22
3207287	Drill Core	277	14.06	0.062	11.9	16.4	4.63	71	0.002	0.23	<0.01	0.11	<0.5	0.33	1.8	<0.5	0.43	<5	5	17.30	3.58
3207288	Drill Core	105	13.70	0.024	2.1	4.5	3.76	21	<0.001	0.07	<0.01	0.02	<0.5	3.38	0.9	<0.5	5.19	<5	12	14.20	0.61
3207289	Drill Core	72	17.26	0.021	2.1	3.2	4.98	16	<0.001	0.05	<0.01	0.01	<0.5	0.25	<0.5	<0.5	0.20	<5	2	14.20	0.43
3207290	Drill Core	136	14.57	0.029	3.3	6.7	4.13	32	<0.001	0.09	<0.01	0.05	<0.5	0.41	0.8	<0.5	1.63	<5	7	19.90	1.34
3207291	Drill Core	354	12.56	0.051	15.5	15.7	4.43	107	0.002	0.28	<0.01	0.15	<0.5	0.10	2.0	<0.5	0.22	<5	9	21.90	5.30
3207292	Drill Core	568	3.98	0.086	11.9	20.9	0.95	124	0.002	0.28	<0.01	0.13	<0.5	0.16	1.7	<0.5	1.29	<5	22	67.20	2.51
3207293	Drill Core	838	5.40	0.124	20.3	28.3	1.29	176	0.003	0.41	<0.01	0.19	<0.5	0.22	2.4	0.6	0.89	<5	22	54.70	3.88
3207294	Drill Core	582	3.95	0.103	15.7	23.9	0.94	138	0.003	0.31	<0.01	0.14	<0.5	0.18	1.9	<0.5	0.65	<5	18	67.50	3.07
3207295	Drill Core	606	3.93	0.097	15.7	25.0	0.92	135	0.003	0.30	<0.01	0.15	<0.5	0.07	2.1	<0.5	0.62	<5	16	68.60	2.84
3207296	Drill Core	427	4.41	0.079	12.9	18.3	1.07	107	0.002	0.25	<0.01	0.13	<0.5	0.08	1.9	<0.5	0.58	<5	13	67.40	2.76
3207297	Drill Core	333	0.79	0.080	9.8	22.1	0.56	84	0.002	0.36	<0.01	0.09	<0.5	0.10	1.9	<0.5	2.78	<5	12	62.10	3.21
3207298	Drill Core	226	0.68	0.048	10.6	15.2	0.33	82	0.001	0.30	<0.01	0.09	<0.5	0.29	1.1	<0.5	1.51	<5	8	74.60	3.09
3207299	Drill Core	141	0.56	0.075	10.1	12.7	0.50	64	0.001	0.25	<0.01	0.07	<0.5	0.28	1.8	<0.5	1.79	<5	20	62.60	2.63
3207300	Drill Core	125	0.39	0.061	9.2	11.5	0.39	58	0.001	0.21	<0.01	0.07	<0.5	0.13	1.7	<0.5	1.16	<5	6	68.20	2.48
3207301	Drill Core	115	1.14	0.062	9.7	9.8	0.40	61	0.001	0.19	<0.01	0.07	<0.5	0.18	2.1	<0.5	1.22	<5	6	71.10	2.72
3207302	Drill Core	104	1.19	0.034	5.5	9.6	1.66	46	0.001	0.34	<0.01	0.04	<0.5	0.06	1.5	<0.5	1.76	<5	2	32.30	1.82
3207303	Drill Core	85	1.33	0.068	11.9	10.8	1.02	66	0.001	0.37	<0.01	0.08	<0.5	<0.05	1.7	<0.5	1.56	<5	3	50.80	3.96
3207304	Drill Core	79	0.80	0.092	13.2	10.6	0.44	85	0.001	0.28	<0.01	0.11	<0.5	0.15	2.3	<0.5	1.72	<5	8	64.60	4.48
3207305	Drill Core	96	1.01	0.106	17.2	13.1	0.57	88	0.002	0.34	<0.01	0.12	<0.5	0.40	2.0	<0.5	1.10	<5	7	59.80	4.63
3207306	Drill Core	75	0.92	0.077	11.0	10.4	0.66	75	0.001	0.26	<0.01	0.08	<0.5	0.92	1.9	<0.5	2.67	<5	7	50.60	3.82
3207307	Drill Core	80	0.53	0.074	14.8	11.0	0.59	82	0.001	0.26	<0.01	0.11	<0.5	0.15	2.1	<0.5	1.58	<5	7	49.50	4.33
3207308	Drill Core	73	0.97	0.064	14.9	10.0	0.90	77	0.001	0.24	<0.01	0.10	<0.5	0.09	1.7	<0.5	1.27	<5	5	46.30	3.90
3207309	Drill Core	88	2.17	0.038	6.0	8.4	1.60	37	<0.001	0.22	<0.01	0.04	<0.5	0.06	1.5	<0.5	1.04	<5	3	31.60	1.99
3207310	Drill Core	145	0.87	0.057	15.0	13.6	1.13	54	0.002	0.39	<0.01	0.06	<0.5	0.07	1.8	<0.5	0.76	<5	4	49.30	3.00
3207311	Drill Core	106	1.88	0.029	5.8	9.3	1.44	34	0.001	0.32	<0.01	0.04	<0.5	0.13	1.3	<0.5	2.63	<5	4	38.60	1.88
3207312	Drill Core	158	2.26	0.036	6.0	11.3	1.16	28	<0.001	0.26	<0.01	0.03	<0.5	0.07	1.4	<0.5	0.59	<5	3	57.50	1.53
3207313	Drill Core	138	2.04	0.039	6.0	11.4	1.08	32	<0.001	0.26	<0.01	0.04	<0.5	<0.05	1.3	<0.5	0.72	<5	5	59.90	1.62
3207314	Drill Core	365	1.10	0.082	11.5	27.4	1.19	48	0.003	0.58	<0.01	0.06	<0.5	<0.05	1.4	<0.5	1.20	<5	7	47.50	2.91
3207315	Rock Pulp	11	5.24	0.050	26.8	13.3	2.81	142	0.017	1.00	0.01	0.73	0.8	1.14	2.1	28.0	4.98	<5	<2	43.70	8.70

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	Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000
	Analyte	Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S
	Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
3207286	Drill Core	15.10	21.30	7.68	0.31	0.96	0.06	0.06	<0.01	0.01	<0.01	0.02	0.75	31.45	98.00	26.16	11.11	1.02
3207287	Drill Core	12.60	20.30	8.16	0.93	0.74	0.16	0.13	0.01	0.04	<0.01	0.03	0.10	35.27	99.40	28.81	14.79	0.44
3207288	Drill Core	23.00	19.50	6.48	0.14	1.02	0.04	0.06	<0.01	<0.01	<0.01	0.03	1.48	23.29	90.22	28.11	9.73	5.24
3207289	Drill Core	15.30	25.20	8.63	0.10	0.93	0.01	0.05	<0.01	<0.01	<0.01	0.01	0.09	35.32	100.30	33.00	10.97	0.20
3207290	Drill Core	16.30	21.00	7.26	0.34	0.94	0.06	0.06	<0.01	0.01	<0.01	0.01	0.14	29.97	97.38	29.37	10.67	1.67
3207291	Drill Core	9.97	17.90	7.76	1.39	0.59	0.22	0.11	<0.01	0.08	<0.01	0.03	0.02	34.18	99.49	25.91	15.59	0.26
3207292	Drill Core	6.95	5.44	1.64	0.67	0.24	0.13	0.21	<0.01	0.05	<0.01	0.01	0.02	13.45	98.58	7.37	8.29	1.29
3207293	Drill Core	7.60	7.51	2.27	1.05	0.31	0.20	0.27	0.02	0.07	<0.01	0.02	<0.01	19.91	97.84	9.58	12.80	0.90
3207294	Drill Core	5.60	5.39	1.63	0.82	0.25	0.16	0.22	0.01	0.07	<0.01	0.01	<0.01	14.44	99.20	7.06	9.23	0.67
3207295	Drill Core	5.62	5.30	1.58	0.76	0.25	0.15	0.22	0.01	0.06	<0.01	0.02	<0.01	13.53	98.95	4.85	8.42	0.63
3207296	Drill Core	5.85	6.06	1.84	0.74	0.28	0.15	0.18	<0.01	0.05	<0.01	0.01	<0.01	13.31	98.68	6.52	7.71	0.59
3207297	Drill Core	16.10	1.08	1.00	0.75	0.58	0.17	0.19	<0.01	0.05	<0.01	0.10	0.05	13.95	99.39	5.88	7.31	2.83
3207298	Drill Core	8.08	0.95	0.62	0.73	0.29	0.17	0.13	<0.01	0.05	<0.01	0.05	0.12	9.98	98.94	3.45	6.52	1.55
3207299	Drill Core	17.20	0.78	0.90	0.61	0.62	0.14	0.17	<0.01	0.04	<0.01	0.81	0.13	13.37	100.13	7.36	6.74	1.82
3207300	Drill Core	14.70	0.59	0.75	0.58	0.57	0.13	0.14	<0.01	0.04	<0.01	0.14	0.07	11.45	99.88	6.72	5.81	1.19
3207301	Drill Core	11.40	1.53	0.75	0.66	0.44	0.15	0.15	<0.01	0.05	<0.01	0.21	0.07	9.89	99.16	5.90	5.17	1.24
3207302	Drill Core	36.90	1.59	2.82	0.30	1.27	0.09	0.08	<0.01	0.01	<0.01	0.08	<0.01	22.22	99.51	17.49	8.55	1.72
3207303	Drill Core	22.10	1.79	1.76	0.86	0.75	0.21	0.17	<0.01	0.05	<0.01	0.06	<0.01	16.70	99.25	9.43	7.99	1.57
3207304	Drill Core	13.60	1.08	0.84	1.08	0.48	0.24	0.23	<0.01	0.06	<0.01	0.11	0.08	12.43	99.38	6.27	6.54	1.73
3207305	Drill Core	15.90	1.34	1.00	1.08	0.62	0.25	0.23	<0.01	0.07	<0.01	0.12	0.14	14.41	99.67	8.02	8.19	1.08
3207306	Drill Core	23.30	1.26	1.17	0.88	0.85	0.22	0.18	<0.01	0.05	<0.01	0.09	0.41	16.56	99.54	10.42	7.78	2.69
3207307	Drill Core	23.60	0.72	1.04	1.06	0.92	0.27	0.17	<0.01	0.06	<0.01	0.14	0.06	17.71	99.66	11.48	8.67	1.63
3207308	Drill Core	25.40	1.31	1.55	0.93	0.92	0.22	0.15	<0.01	0.05	<0.01	0.09	0.03	18.77	99.70	13.85	8.99	1.28
3207309	Drill Core	35.30	2.92	2.78	0.39	1.28	0.10	0.08	<0.01	<0.01	<0.01	0.06	0.02	22.12	98.67	20.44	8.94	1.10
3207310	Drill Core	24.90	1.19	1.95	0.63	0.80	0.16	0.14	<0.01	0.03	<0.01	0.05	<0.01	17.14	99.33	10.88	7.66	0.81
3207311	Drill Core	31.40	2.56	2.54	0.34	1.01	0.09	0.08	<0.01	<0.01	0.01	0.05	<0.01	19.38	97.97	17.74	7.88	2.74
3207312	Drill Core	19.60	3.08	2.04	0.28	0.68	0.07	0.09	<0.01	<0.01	<0.01	0.11	<0.01	13.89	98.92	11.92	5.97	0.63
3207313	Drill Core	18.30	2.80	1.87	0.31	0.60	0.08	0.09	<0.01	<0.01	0.01	0.16	0.01	13.04	98.82	11.39	5.80	0.78
3207314	Drill Core	25.60	1.52	2.11	0.52	0.77	0.16	0.19	<0.01	0.02	0.01	0.10	<0.01	18.00	99.45	10.51	8.53	1.30
3207315	Rock Pulp	8.32	7.43	5.30	4.14	0.25	0.30	0.12	<0.01	0.08	0.02	1.86	3.12	13.94	98.33	8.84	3.38	4.89

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

Project: MacMillan Pass
Report Date: November 23, 2018

CERTIFICATE OF ANALYSIS WHI18000982.1

Method		WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
Analyte		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
Unit		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
3207316	Drill Core	6.07	4	<3	4	54.1	89.0	651.6	1479	0.9	125.9	7.9	6209	14.68	23	12.5	1.6	126	7.9	6.5	<0.5
3207317	Drill Core	4.65	7	7	8	25.0	109.8	513.5	208	0.7	94.2	8.2	4941	10.09	21	9.7	1.2	168	1.0	7.9	<0.5
3207318	Drill Core	6.53	7	3	6	6.0	109.9	1471.3	61	1.9	79.3	15.1	743	4.23	55	2.7	5.0	21	<0.5	11.0	<0.5
3207319	Drill Core	8.50	16	<3	9	5.1	84.5	2181.8	18	2.9	56.1	12.4	1059	5.21	18	2.0	4.9	9	<0.5	11.4	<0.5
3207320	Drill Core	6.70	7	<3	7	4.6	88.4	511.2	26	1.1	58.7	13.6	1023	4.47	23	2.8	4.8	8	<0.5	6.7	<0.5
3207321	Drill Core	7.95	7	4	4	5.7	75.2	643.0	23	1.8	59.0	12.0	766	4.16	31	3.0	4.3	9	<0.5	8.4	<0.5
3207322	Drill Core	6.35	8	3	7	4.9	65.3	339.6	17	1.4	61.3	13.0	699	3.75	17	3.3	4.4	9	<0.5	12.8	<0.5
3207323	Drill Core	8.13	25	5	7	4.6	65.6	333.1	35	1.7	67.7	14.8	383	6.97	98	2.2	4.4	9	<0.5	16.6	<0.5
3207324	Drill Core	5.22	11	<3	5	5.4	72.7	162.8	15	0.9	63.0	13.3	906	3.02	47	2.1	5.7	16	<0.5	8.6	<0.5
3207325	Drill Core	8.60	8	5	5	4.4	66.7	118.8	16	0.7	49.3	10.8	1190	4.26	41	2.4	4.5	11	<0.5	6.8	<0.5
3207326	Drill Core	6.38	10	9	7	4.0	80.1	137.0	13	0.9	51.3	12.5	1424	5.58	66	1.6	4.6	12	<0.5	6.8	<0.5
3207327	Drill Core	7.52	12	<3	5	4.8	76.3	208.0	11	1.3	63.7	15.1	1593	5.76	38	4.0	4.9	10	<0.5	12.0	<0.5
3207328	Drill Core	5.92	6	<3	4	5.0	61.8	414.0	11	2.3	49.2	11.2	1233	4.87	25	2.5	3.6	14	<0.5	12.7	<0.5
3207329	Drill Core	4.08	9	<3	5	4.4	74.2	421.7	9	2.5	59.8	14.1	985	5.06	17	2.4	4.1	12	<0.5	12.9	<0.5
3207330	Drill Core	6.47	6	<3	5	5.7	136.0	1531.0	34	3.6	50.9	8.9	2290	10.04	37	4.9	3.8	17	<0.5	12.3	<0.5
3207331	Drill Core	4.84	7	<3	4	4.7	306.9	776.6	74	2.5	24.8	9.1	7061	21.61	51	4.5	2.7	10	<0.5	11.2	<0.5
3207332	Drill Core	4.61	9	<3	<2	2.6	467.8	2058.8	101	4.9	34.0	10.3	9475	32.17	32	5.0	0.9	10	<0.5	18.4	<0.5
3207333	Drill Core	4.40	7	<3	3	5.0	217.2	473.0	31	1.4	37.7	11.6	3671	13.78	61	3.8	2.7	13	<0.5	10.6	<0.5
3207334	Drill Core	3.63	5	<3	5	6.1	75.5	390.4	24	0.8	56.1	11.3	1032	4.68	18	4.8	4.2	16	<0.5	8.2	<0.5
3207335	Drill Core	4.13	8	4	4	6.0	115.2	1966.6	137	3.1	63.1	13.3	1935	8.63	20	7.6	4.6	12	0.8	16.0	<0.5
3207336	Drill Core	5.06	13	3	4	7.6	322.3	10908.3	69	10.3	46.2	15.3	3610	17.12	54	4.6	4.1	10	0.7	25.8	<0.5
3207337	Drill Core	3.91	14	<3	<2	1.2	476.1	>40000	193	56.1	30.3	11.1	8839	30.33	67	2.2	<0.5	<5	4.2	87.4	<0.5
3207338	Drill Core	1.82	11	<3	3	1.9	426.2	>40000	137	58.2	23.5	9.6	8299	26.59	75	2.1	0.6	<5	3.9	84.3	<0.5
3207339	Drill Core	3.95	15	<3	4	3.3	279.8	3044.0	1834	4.7	23.3	11.9	7060	22.48	117	3.9	1.8	7	9.7	19.4	<0.5
3207340	Drill Core	4.74	7	3	4	7.3	182.2	3457.9	1006	4.8	48.5	18.2	3366	10.91	69	9.7	3.9	11	5.1	14.6	<0.5
3207341	Drill Core	3.60	7	3	3	5.8	235.3	2123.6	5457	2.3	27.0	12.1	8530	22.36	22	15.9	2.6	10	27.8	12.1	<0.5
3207342	Drill Core	4.02	8	<3	<2	1.8	424.3	19047.2	1325	17.5	19.8	9.2	10549	35.16	19	1.3	0.7	9	9.6	28.7	<0.5
3207343	Drill Core	2.59	19	4	3	6.8	583.8	11365.6	2288	9.9	29.4	19.4	1856	21.93	65	3.1	2.6	14	14.0	23.8	<0.5
3207344	Drill Core	4.29	14	<3	4	3.8	412.3	26747.3	338	25.3	24.3	8.5	5190	20.85	43	2.4	2.5	9	4.0	40.3	<0.5
3207345	Drill Core	3.66	12	<3	3	3.2	349.6	2214.2	3163	3.6	20.6	8.2	7701	24.31	39	7.6	2.2	30	22.6	16.6	<0.5

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Project: MacMillan Pass
Report Date: November 23, 2018

CERTIFICATE OF ANALYSIS WHI18000982.1

		Method	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		Unit	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		MDL	10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
3207316	Drill Core		403	4.76	0.074	12.5	20.9	1.78	49	0.002	0.49	<0.01	0.07	<0.5	0.28	2.0	<0.5	1.08	<5	4	42.80	2.87
3207317	Drill Core		194	5.91	0.092	7.4	19.2	1.71	39	0.002	0.38	<0.01	0.05	<0.5	0.11	1.5	<0.5	1.47	<5	4	50.90	2.36
3207318	Drill Core		36	0.53	0.053	14.3	7.0	0.19	115	0.003	0.40	<0.01	0.17	<0.5	<0.05	1.0	<0.5	2.48	<5	5	71.70	9.99
3207319	Drill Core		31	0.15	0.056	13.5	7.8	0.16	107	0.002	0.35	<0.01	0.17	<0.5	<0.05	2.3	<0.5	2.42	<5	6	71.20	9.34
3207320	Drill Core		27	0.13	0.049	13.5	8.3	0.14	114	0.002	0.29	<0.01	0.18	<0.5	<0.05	2.0	<0.5	2.03	<5	3	73.60	9.37
3207321	Drill Core		27	0.14	0.045	12.7	8.9	0.12	102	0.002	0.37	<0.01	0.16	<0.5	<0.05	1.8	<0.5	2.18	<5	4	74.60	9.14
3207322	Drill Core		24	0.15	0.056	12.5	7.9	0.10	101	0.002	0.35	<0.01	0.17	<0.5	<0.05	1.8	<0.5	1.84	<5	4	75.40	9.38
3207323	Drill Core		22	0.25	0.044	9.9	8.3	0.07	103	0.002	0.28	<0.01	0.20	<0.5	<0.05	1.2	<0.5	6.25	<5	5	68.00	9.64
3207324	Drill Core		27	0.38	0.053	17.2	10.2	0.17	103	0.002	0.41	<0.01	0.23	<0.5	<0.05	2.7	<0.5	1.31	<5	4	75.10	10.10
3207325	Drill Core		35	0.19	0.050	13.2	9.1	0.21	100	0.002	0.38	<0.01	0.18	<0.5	<0.05	2.6	<0.5	1.33	<5	3	73.20	9.71
3207326	Drill Core		34	0.22	0.052	12.9	10.4	0.27	99	0.002	0.40	<0.01	0.17	<0.5	<0.05	3.1	<0.5	1.85	<5	5	71.90	8.71
3207327	Drill Core		37	0.19	0.045	13.5	9.1	0.27	114	0.002	0.39	<0.01	0.19	<0.5	<0.05	3.1	<0.5	1.84	<5	5	69.60	9.70
3207328	Drill Core		31	0.23	0.047	10.4	11.4	0.19	81	0.001	0.35	<0.01	0.15	<0.5	<0.05	2.4	<0.5	2.00	<5	4	76.40	7.11
3207329	Drill Core		29	0.19	0.040	10.8	9.4	0.18	86	0.001	0.37	<0.01	0.15	<0.5	<0.05	1.9	<0.5	2.17	<5	5	73.90	8.42
3207330	Drill Core		38	2.88	0.056	7.0	9.4	0.30	68	0.001	0.39	<0.01	0.15	<0.5	<0.05	2.8	<0.5	4.17	<5	5	57.50	8.12
3207331	Drill Core		60	1.42	0.025	5.9	11.2	0.83	59	0.001	0.38	<0.01	0.12	<0.5	<0.05	3.7	<0.5	5.60	<5	2	38.40	5.50
3207332	Drill Core		61	2.22	0.024	2.7	10.9	1.11	34	<0.001	0.34	<0.01	0.05	<0.5	0.05	5.4	<0.5	9.61	<5	3	18.30	2.43
3207333	Drill Core		48	0.63	0.043	6.6	12.1	0.44	59	0.001	0.34	<0.01	0.13	<0.5	<0.05	3.8	<0.5	5.51	<5	3	57.20	6.02
3207334	Drill Core		21	0.54	0.056	10.5	6.7	0.13	76	0.001	0.28	<0.01	0.14	<0.5	<0.05	1.7	<0.5	2.20	<5	3	74.20	8.38
3207335	Drill Core		26	0.48	0.051	10.3	7.6	0.19	77	0.001	0.29	<0.01	0.15	<0.5	0.06	2.2	<0.5	3.55	<5	4	66.10	8.09
3207336	Drill Core		56	0.26	0.044	8.0	10.5	0.44	64	0.002	0.46	<0.01	0.12	<0.5	<0.05	4.2	<0.5	7.75	<5	6	48.60	7.42
3207337	Drill Core		64	0.18	0.006	1.3	7.3	1.15	6	0.001	0.45	<0.01	<0.01	<0.5	0.08	8.0	<0.5	12.55	<5	4	25.80	1.14
3207338	Drill Core		68	0.18	0.011	2.3	10.4	1.11	10	<0.001	0.51	<0.01	0.02	<0.5	0.05	7.5	<0.5	11.03	<5	4	30.70	1.56
3207339	Drill Core		96	0.20	0.028	5.6	22.2	1.10	25	0.002	1.06	<0.01	0.05	<0.5	0.23	7.2	<0.5	8.50	<5	3	41.30	3.67
3207340	Drill Core		45	0.22	0.047	8.4	10.4	0.34	77	0.003	0.58	<0.01	0.15	<0.5	0.17	3.4	<0.5	5.29	<5	6	60.80	8.23
3207341	Drill Core		82	0.29	0.034	6.9	18.9	0.86	63	0.002	0.80	<0.01	0.12	<0.5	0.58	5.6	<0.5	5.97	<5	3	39.40	5.05
3207342	Drill Core		58	0.30	0.028	2.3	10.5	1.17	22	0.001	0.46	<0.01	0.03	<0.5	0.20	5.9	<0.5	10.05	<5	4	18.40	1.65
3207343	Drill Core		74	0.18	0.058	5.7	19.8	0.32	58	0.002	1.10	<0.01	0.09	<0.5	0.15	4.2	<0.5	15.44	<5	6	42.60	5.68
3207344	Drill Core		86	0.19	0.030	6.3	20.8	0.70	58	0.002	0.89	<0.01	0.09	<0.5	0.06	6.5	<0.5	9.10	<5	5	41.90	5.50
3207345	Drill Core		91	0.68	0.028	6.1	23.4	0.95	40	0.002	0.95	<0.01	0.07	<0.5	0.31	7.1	<0.5	8.15	<5	2	37.20	3.97

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	Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000
	Analyte	Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S
	Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
3207316	Drill Core	21.10	6.62	3.12	0.57	0.79	0.15	0.17	<0.01	0.02	<0.01	0.06	0.15	19.25	97.74	15.37	8.85	1.12
3207317	Drill Core	14.70	8.32	3.00	0.46	0.63	0.14	0.22	<0.01	0.02	<0.01	0.05	0.02	16.52	97.35	11.61	7.43	1.50
3207318	Drill Core	6.40	0.73	0.52	2.56	0.11	0.59	0.13	0.01	0.14	<0.01	0.14	<0.01	5.72	98.88	1.76	1.85	2.53
3207319	Drill Core	7.60	0.22	0.47	2.38	0.16	0.53	0.13	<0.01	0.12	<0.01	0.20	<0.01	6.20	98.68	2.32	1.90	2.30
3207320	Drill Core	6.69	0.19	0.45	2.42	0.15	0.54	0.12	<0.01	0.12	0.02	0.04	<0.01	5.34	99.18	1.92	1.65	2.09
3207321	Drill Core	6.41	0.21	0.41	2.32	0.12	0.52	0.11	0.01	0.12	<0.01	0.06	<0.01	5.17	99.30	1.52	1.59	2.18
3207322	Drill Core	5.79	0.22	0.38	2.41	0.12	0.54	0.13	0.01	0.12	<0.01	0.03	<0.01	4.92	99.56	1.26	1.58	1.92
3207323	Drill Core	10.30	0.33	0.33	2.51	0.07	0.55	0.11	<0.01	0.12	<0.01	0.02	<0.01	7.12	99.24	1.24	1.29	6.26
3207324	Drill Core	4.72	0.45	0.46	2.63	0.12	0.58	0.12	0.01	0.13	<0.01	0.01	<0.01	4.53	99.08	1.42	1.45	1.32
3207325	Drill Core	6.53	0.28	0.59	2.49	0.18	0.55	0.13	0.01	0.12	<0.01	<0.01	<0.01	5.55	99.46	2.16	1.86	1.36
3207326	Drill Core	8.37	0.33	0.65	2.22	0.21	0.50	0.13	0.01	0.11	0.01	0.01	<0.01	6.41	99.66	2.75	2.11	1.85
3207327	Drill Core	8.72	0.30	0.68	2.52	0.23	0.55	0.11	0.01	0.12	<0.01	0.02	<0.01	6.71	99.39	3.18	2.25	2.04
3207328	Drill Core	7.30	0.33	0.53	1.79	0.17	0.41	0.10	<0.01	0.08	<0.01	0.04	<0.01	5.30	99.64	2.18	1.61	1.96
3207329	Drill Core	7.65	0.27	0.50	2.14	0.15	0.48	0.10	<0.01	0.10	<0.01	0.04	<0.01	5.66	99.52	2.09	1.74	2.14
3207330	Drill Core	14.40	3.98	0.72	2.00	0.31	0.47	0.11	<0.01	0.08	<0.01	0.15	<0.01	8.68	96.63	6.58	3.02	4.17
3207331	Drill Core	30.90	2.04	1.46	1.18	0.90	0.31	0.06	<0.01	0.04	0.02	0.06	<0.01	17.56	98.50	13.89	5.20	5.56
3207332	Drill Core	46.00	3.15	1.86	0.34	1.19	0.14	0.06	<0.01	<0.01	0.02	0.19	0.01	24.53	98.29	20.04	6.64	9.39
3207333	Drill Core	20.10	0.84	0.90	1.38	0.46	0.34	0.11	<0.01	0.05	0.01	0.04	<0.01	11.72	99.27	6.60	3.08	5.64
3207334	Drill Core	7.05	0.72	0.38	2.14	0.16	0.48	0.13	<0.01	0.09	<0.01	0.03	<0.01	5.41	99.27	2.19	1.60	2.12
3207335	Drill Core	12.60	0.68	0.46	2.01	0.26	0.46	0.12	<0.01	0.08	<0.01	0.18	0.01	7.98	99.16	4.00	2.10	3.50
3207336	Drill Core	24.60	0.38	0.93	1.66	0.46	0.42	0.10	<0.01	0.07	0.01	0.99	<0.01	13.94	99.77	7.65	3.17	7.53
3207337	Drill Core	42.10	0.24	1.84	0.07	1.09	0.04	0.02	<0.01	<0.01	0.03	5.01	0.02	21.92	99.74	14.96	4.76	12.93
3207338	Drill Core	38.20	0.24	1.83	0.12	1.04	0.07	0.03	<0.01	<0.01	0.02	5.35	0.02	20.22	99.81	10.44	4.46	11.07
3207339	Drill Core	33.40	0.29	1.89	0.42	0.92	0.21	0.06	<0.01	<0.01	0.02	0.31	0.19	17.16	99.94	13.73	3.98	8.51
3207340	Drill Core	16.30	0.35	0.77	2.01	0.44	0.47	0.11	<0.01	0.08	<0.01	0.34	0.10	9.57	99.73	4.66	2.08	5.39
3207341	Drill Core	32.60	0.40	1.50	1.04	1.07	0.28	0.09	<0.01	0.04	0.01	0.21	0.54	17.11	99.53	13.37	4.37	6.06
3207342	Drill Core	49.30	0.41	1.92	0.20	1.29	0.08	0.07	<0.01	<0.01	0.02	1.82	0.13	24.46	99.96	20.09	6.16	10.35
3207343	Drill Core	31.50	0.26	0.65	0.96	0.25	0.34	0.14	<0.01	0.04	0.03	1.06	0.22	15.50	99.48	4.11	1.86	15.06
3207344	Drill Core	29.90	0.27	1.21	0.99	0.66	0.32	0.08	<0.01	0.03	0.02	2.47	0.03	15.63	99.29	9.42	3.31	9.05
3207345	Drill Core	34.60	0.91	1.59	0.56	0.95	0.24	0.06	<0.01	0.02	0.01	0.19	0.30	17.86	98.61	12.82	4.38	8.33

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Project: MacMillan Pass
Report Date: November 23, 2018

CERTIFICATE OF ANALYSIS WHI18000982.1

	Method	WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
	Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
3207346	Drill Core	5.01	8	<3	5	4.2	195.7	648.4	148	1.6	34.1	8.8	4153	13.49	41	3.2	2.6	88	0.6	13.1	<0.5
3207347	Drill Core	6.55	6	<3	3	7.2	73.7	378.1	145	1.4	55.6	11.3	2741	8.19	38	4.2	3.8	79	0.6	8.3	<0.5
3207348	Drill Core	5.47	11	<3	4	5.2	73.8	304.3	201	1.3	60.7	10.9	1490	4.83	34	2.6	4.8	91	1.0	7.6	<0.5
3207349	Drill Core	4.29	9	<3	3	5.0	73.1	205.5	81	1.1	69.3	10.7	1363	4.42	29	3.7	5.0	80	<0.5	5.9	<0.5
3207350	Drill Core	3.94	14	<3	6	4.7	56.4	294.0	4049	1.5	59.3	10.2	1079	4.15	7	3.4	5.4	62	20.4	5.1	<0.5
3207351	Drill Core	3.64	18	<3	8	4.3	103.9	486.9	138	2.3	74.3	12.3	2937	9.64	62	8.1	3.4	73	<0.5	15.9	<0.5
3207352	Drill Core	3.14	9	5	8	50.9	105.6	835.4	3341	3.6	328.8	12.5	3246	8.59	92	7.8	1.0	37	15.8	12.8	<0.5
3207353	Drill Core	1.99	7	<3	7	44.4	55.7	959.6	494	1.8	191.8	9.5	6015	12.25	81	8.4	0.9	14	2.0	9.6	<0.5
3207354	Drill Core	6.36	9	<3	5	4.3	65.1	347.6	148	1.4	55.3	9.4	1133	5.42	15	4.4	4.5	46	0.6	13.1	<0.5
3207355	Drill Core	5.95	8	4	6	3.5	85.5	348.1	128	1.2	57.9	10.6	1751	7.05	26	1.9	4.0	61	0.5	34.1	<0.5
3207356	Drill Core	6.54	11	4	5	5.0	118.1	1245.4	88	3.3	99.7	20.0	1320	5.93	31	3.0	4.3	102	<0.5	12.7	<0.5
3207357	Drill Core	6.65	7	<3	11	7.6	43.7	368.8	66	0.9	46.9	9.7	2372	5.68	<5	2.5	2.7	203	<0.5	4.0	<0.5
3207358	Drill Core	5.43	4	<3	<2	1.3	18.8	314.1	218	0.6	23.6	9.4	2749	5.74	6	1.8	9.0	458	0.6	1.0	<0.5
3207359	Drill Core	3.99	3	<3	<2	<0.5	15.6	192.8	88	<0.5	16.0	10.1	1798	4.69	5	1.0	12.3	299	<0.5	0.8	<0.5
3207360	Drill Core	2.72	4	<3	<2	<0.5	31.3	123.8	232	<0.5	16.4	15.0	1417	4.21	17	0.8	12.1	233	<0.5	2.2	<0.5
3207361	Drill Core	5.12	5	7	8	<0.5	17.9	34.4	142	<0.5	23.3	10.8	909	3.24	14	0.9	16.4	179	<0.5	0.9	<0.5
3207362	Drill Core	4.09	5	<3	4	<0.5	23.8	18.3	268	<0.5	40.2	15.2	469	2.84	17	1.3	19.3	100	<0.5	1.0	<0.5
3207363	Drill Core	5.87	5	<3	9	<0.5	28.4	12.2	127	<0.5	43.9	16.2	145	2.70	20	1.5	19.9	35	<0.5	2.0	<0.5
3207364	Drill Core	5.58	6	<3	6	0.5	29.0	50.1	231	<0.5	33.2	17.7	729	4.34	28	1.1	15.0	83	<0.5	1.7	<0.5
3207365	Drill Core	7.33	8	<3	8	0.6	55.2	31.5	344	<0.5	38.4	23.7	227	3.82	23	1.3	16.3	37	<0.5	3.5	<0.5

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Project: MacMillan Pass
Report Date: November 23, 2018

CERTIFICATE OF ANALYSIS WHI18000982.1

	Method	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
	MDL	10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
3207346	Drill Core	69	4.45	0.048	6.5	22.6	0.85	64	0.004	0.98	<0.01	0.09	<0.5	<0.05	4.7	<0.5	5.52	<5	3	49.40	5.62
3207347	Drill Core	61	2.72	0.045	10.1	20.1	0.65	79	0.002	0.86	<0.01	0.15	<0.5	<0.05	3.8	<0.5	2.83	<5	4	62.30	7.07
3207348	Drill Core	33	2.25	0.059	12.4	13.0	0.48	105	0.002	0.55	<0.01	0.19	<0.5	0.06	2.8	<0.5	2.49	<5	5	67.20	9.25
3207349	Drill Core	40	1.58	0.071	13.3	13.1	0.36	98	0.003	0.69	<0.01	0.19	<0.5	<0.05	3.2	<0.5	2.25	<5	5	69.10	10.10
3207350	Drill Core	49	1.07	0.066	14.6	18.7	0.33	88	0.002	0.90	<0.01	0.19	<0.5	0.53	3.4	<0.5	1.57	<5	5	70.60	10.30
3207351	Drill Core	81	1.93	0.056	8.8	23.9	0.41	62	0.003	1.04	<0.01	0.13	<0.5	0.06	4.7	<0.5	3.96	<5	8	63.20	7.14
3207352	Drill Core	222	2.24	0.079	5.1	16.1	0.82	68	0.002	0.20	<0.01	0.08	7.0	0.73	2.5	<0.5	3.28	<5	17	66.20	2.10
3207353	Drill Core	165	0.64	0.059	5.1	8.6	0.62	71	0.001	0.16	<0.01	0.06	1.8	0.19	2.9	<0.5	2.12	<5	8	63.40	2.08
3207354	Drill Core	61	1.46	0.057	10.6	22.9	0.30	63	0.003	1.11	<0.01	0.14	<0.5	<0.05	2.8	<0.5	1.99	<5	5	69.50	9.62
3207355	Drill Core	51	2.18	0.059	8.1	17.7	0.38	56	0.002	0.86	<0.01	0.11	<0.5	<0.05	3.3	<0.5	3.85	<5	6	65.20	8.57
3207356	Drill Core	28	2.80	0.111	8.7	7.5	0.58	64	0.002	0.34	<0.01	0.16	<0.5	0.05	2.6	<0.5	3.81	<5	8	63.30	8.58
3207357	Drill Core	103	7.77	0.145	10.6	15.5	2.09	45	0.002	0.27	<0.01	0.12	<0.5	<0.05	4.1	<0.5	0.82	<5	2	52.20	5.23
3207358	Drill Core	21	11.56	0.143	29.0	6.1	3.33	64	0.001	0.32	<0.01	0.18	<0.5	<0.05	4.5	<0.5	0.06	<5	<2	25.70	12.80
3207359	Drill Core	<10	7.95	0.060	36.2	4.6	2.40	64	<0.001	0.33	<0.01	0.18	<0.5	<0.05	3.9	<0.5	0.07	<5	<2	36.60	16.10
3207360	Drill Core	<10	6.10	0.059	32.8	4.0	1.80	75	<0.001	0.35	0.01	0.20	<0.5	<0.05	5.1	<0.5	0.41	<5	<2	46.20	15.20
3207361	Drill Core	<10	4.18	0.059	49.5	4.7	1.20	81	<0.001	0.46	0.01	0.24	<0.5	<0.05	5.1	<0.5	0.33	<5	<2	51.90	17.70
3207362	Drill Core	<10	2.12	0.061	58.3	8.8	0.74	94	0.002	0.97	0.02	0.25	<0.5	0.05	4.7	<0.5	0.35	<5	<2	54.90	21.50
3207363	Drill Core	<10	0.55	0.085	60.5	14.3	0.42	92	0.004	1.43	0.02	0.25	<0.5	<0.05	3.2	<0.5	0.46	<5	<2	55.70	25.10
3207364	Drill Core	<10	2.11	0.088	40.4	14.8	0.90	69	0.007	1.49	0.01	0.23	<0.5	<0.05	7.3	<0.5	0.83	<5	<2	59.30	16.80
3207365	Drill Core	<10	0.61	0.071	40.7	16.0	0.56	75	0.005	1.76	0.02	0.26	<0.5	<0.05	3.9	<0.5	1.02	<5	<2	55.30	23.50

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Project: MacMillan Pass
Report Date: November 23, 2018

CERTIFICATE OF ANALYSIS WHI18000982.1

	Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000
	Analyte	Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S
	Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
3207346	Drill Core	20.00	6.34	1.53	1.08	0.54	0.33	0.09	<0.01	0.04	<0.01	0.06	0.01	9.33	94.47	10.17	3.75	5.61
3207347	Drill Core	11.80	3.79	1.17	1.55	0.32	0.41	0.10	<0.01	0.06	<0.01	0.02	0.01	7.47	96.14	6.00	2.99	2.82
3207348	Drill Core	7.24	3.23	1.04	2.30	0.20	0.53	0.13	0.01	0.09	<0.01	0.02	0.02	6.36	97.76	4.33	2.33	2.50
3207349	Drill Core	6.82	2.29	0.85	2.50	0.20	0.59	0.15	0.01	0.10	<0.01	0.02	<0.01	6.02	98.87	3.03	2.07	2.27
3207350	Drill Core	6.36	1.51	0.73	2.42	0.15	0.59	0.13	0.01	0.09	<0.01	0.03	0.40	4.89	98.41	2.19	1.80	1.61
3207351	Drill Core	13.70	2.68	0.85	1.49	0.38	0.40	0.13	0.07	0.06	<0.01	0.05	0.01	7.32	97.56	4.69	2.35	3.87
3207352	Drill Core	12.50	3.16	1.43	0.52	0.42	0.10	0.15	<0.01	0.04	<0.01	0.08	0.34	10.53	97.70	7.33	5.51	3.40
3207353	Drill Core	17.60	0.86	1.06	0.51	0.75	0.09	0.12	<0.01	0.03	<0.01	0.08	0.04	12.41	99.09	8.81	5.64	2.16
3207354	Drill Core	8.21	2.07	0.66	2.08	0.18	0.54	0.13	0.02	0.08	<0.01	0.03	0.01	5.19	98.44	1.81	1.87	2.07
3207355	Drill Core	10.40	3.11	0.81	1.94	0.25	0.47	0.12	<0.01	0.07	<0.01	0.03	0.01	6.75	97.86	4.01	2.32	3.77
3207356	Drill Core	8.94	4.00	1.09	2.23	0.19	0.47	0.22	<0.01	0.07	<0.01	0.12	<0.01	8.36	97.72	4.47	3.01	3.63
3207357	Drill Core	7.91	10.40	3.37	1.33	0.32	0.30	0.24	<0.01	0.03	<0.01	0.02	<0.01	16.79	98.23	14.45	6.54	0.73
3207358	Drill Core	8.84	17.30	5.87	3.20	0.35	0.48	0.26	<0.01	0.09	<0.01	0.03	0.02	25.05	100.19	24.53	7.38	0.06
3207359	Drill Core	7.45	11.60	4.28	4.03	0.24	0.59	0.12	<0.01	0.12	<0.01	0.01	<0.01	18.47	99.91	15.09	5.18	0.06
3207360	Drill Core	6.48	8.74	3.19	3.85	0.20	0.57	0.12	<0.01	0.12	<0.01	0.01	0.02	14.27	99.25	10.09	4.03	0.35
3207361	Drill Core	5.22	5.98	2.22	4.45	0.13	0.67	0.11	<0.01	0.14	<0.01	<0.01	0.01	10.79	99.63	7.45	2.89	0.28
3207362	Drill Core	4.53	3.05	1.45	5.21	0.08	0.78	0.13	0.01	0.16	<0.01	<0.01	0.03	7.32	99.49	3.75	1.60	0.29
3207363	Drill Core	4.80	0.78	0.97	5.84	0.04	0.88	0.18	0.01	0.18	<0.01	<0.01	<0.01	4.91	99.79	0.71	0.65	0.43
3207364	Drill Core	6.72	3.01	1.68	3.77	0.12	0.62	0.17	<0.01	0.11	<0.01	<0.01	0.02	6.78	99.38	2.51	1.59	0.78
3207365	Drill Core	6.15	0.85	1.18	5.40	0.05	0.87	0.15	0.01	0.15	<0.01	<0.01	0.03	5.19	99.20	0.31	0.79	0.90

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Project: MacMillan Pass
Report Date: November 23, 2018

QUALITY CONTROL REPORT WHI18000982.1

	Method	WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
	Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
3207297	Drill Core	5.02	4	<3	<2	71.6	74.6	1018.5	534	2.3	258.2	10.1	4617	11.10	99	12.7	1.6	17	2.3	13.6	<0.5
3207332	Drill Core	4.61	9	<3	<2	2.6	467.8	2058.8	101	4.9	34.0	10.3	9475	32.17	32	5.0	0.9	10	<0.5	18.4	<0.5
Pulp Duplicates																					
3207288	Drill Core	3.45	5	3	<2	11.3	167.5	352.1	14323	2.3	125.5	9.4	8039	15.92	64	5.7	<0.5	139	69.5	11.8	<0.5
REP 3207288	QC																				
3207294	Drill Core	3.65	2	8	2	137.5	61.2	171.7	44	0.7	261.3	9.3	1839	3.91	72	23.1	1.7	72	<0.5	5.1	<0.5
REP 3207294	QC		<2	7	2																
3207300	Drill Core	4.80	3	4	<2	52.9	82.7	1363.8	684	1.7	159.1	6.5	4501	9.97	20	11.2	1.2	9	3.1	7.3	<0.5
REP 3207300	QC																				
REP 3207309	QC					43.5	50.2	633.1	152	1.0	93.0	5.4	9948	24.36	29	9.3	1.1	26	0.5	5.0	<0.5
3207312	Drill Core	3.78	3	5	2	27.0	68.8	1133.6	57	1.4	115.8	8.1	5248	13.47	39	5.8	0.8	39	<0.5	5.8	<0.5
REP 3207312	QC		<2	<3	<2																
3207328	Drill Core	5.92	6	<3	4	5.0	61.8	414.0	11	2.3	49.2	11.2	1233	4.87	25	2.5	3.6	14	<0.5	12.7	<0.5
REP 3207328	QC																				
3207333	Drill Core	4.40	7	<3	3	5.0	217.2	473.0	31	1.4	37.7	11.6	3671	13.78	61	3.8	2.7	13	<0.5	10.6	<0.5
REP 3207333	QC																				
REP 3207343	QC																				
REP 3207343	QC					6.4	594.7	11011.1	2437	9.9	32.3	21.4	2100	22.40	69	3.2	3.0	14	15.3	24.6	<0.5
3207345	Drill Core	3.66	12	<3	3	3.2	349.6	2214.2	3163	3.6	20.6	8.2	7701	24.31	39	7.6	2.2	30	22.6	16.6	<0.5
REP 3207345	QC		12	<3	<2																
3207348	Drill Core	5.47	11	<3	4	5.2	73.8	304.3	201	1.3	60.7	10.9	1490	4.83	34	2.6	4.8	91	1.0	7.6	<0.5
REP 3207348	QC																				
3207358	Drill Core	5.43	4	<3	<2	1.3	18.8	314.1	218	0.6	23.6	9.4	2749	5.74	6	1.8	9.0	458	0.6	1.0	<0.5
REP 3207358	QC		3	<3	<2																
3207363	Drill Core	5.87	5	<3	9	<0.5	28.4	12.2	127	<0.5	43.9	16.2	145	2.70	20	1.5	19.9	35	<0.5	2.0	<0.5
REP 3207363	QC																				
Core Reject Duplicates																					
3207309	Drill Core	7.01	2	<3	<2	44.1	50.2	607.1	157	0.9	93.1	5.8	10007	24.63	30	8.7	1.1	26	0.6	5.0	<0.5
DUP 3207309	QC		4	<3	5	43.8	53.3	642.0	156	1.0	94.0	5.9	10192	25.10	32	9.5	1.1	27	0.6	5.2	<0.5

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

Project: MacMillan Pass
Report Date: November 23, 2018

QUALITY CONTROL REPORT WHI18000982.1

	Method	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
	MDL	10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
3207297	Drill Core	333	0.79	0.080	9.8	22.1	0.56	84	0.002	0.36	<0.01	0.09	<0.5	0.10	1.9	<0.5	2.78	<5	12	62.10	3.21
3207332	Drill Core	61	2.22	0.024	2.7	10.9	1.11	34	<0.001	0.34	<0.01	0.05	<0.5	0.05	5.4	<0.5	9.61	<5	3	18.30	2.43
Pulp Duplicates																					
3207288	Drill Core	105	13.70	0.024	2.1	4.5	3.76	21	<0.001	0.07	<0.01	0.02	<0.5	3.38	0.9	<0.5	5.19	<5	12	14.20	0.61
REP 3207288	QC																			14.20	0.60
3207294	Drill Core	582	3.95	0.103	15.7	23.9	0.94	138	0.003	0.31	<0.01	0.14	<0.5	0.18	1.9	<0.5	0.65	<5	18	67.50	3.07
REP 3207294	QC																				
3207300	Drill Core	125	0.39	0.061	9.2	11.5	0.39	58	0.001	0.21	<0.01	0.07	<0.5	0.13	1.7	<0.5	1.16	<5	6	68.20	2.48
REP 3207300	QC																			68.10	2.49
REP 3207309	QC	86	2.10	0.039	6.0	7.8	1.57	39	0.001	0.24	<0.01	0.04	<0.5	<0.05	1.6	<0.5	1.03	<5	3	31.70	1.99
3207312	Drill Core	158	2.26	0.036	6.0	11.3	1.16	28	<0.001	0.26	<0.01	0.03	<0.5	0.07	1.4	<0.5	0.59	<5	3	57.50	1.53
REP 3207312	QC																				
3207328	Drill Core	31	0.23	0.047	10.4	11.4	0.19	81	0.001	0.35	<0.01	0.15	<0.5	<0.05	2.4	<0.5	2.00	<5	4	76.40	7.11
REP 3207328	QC																				
3207333	Drill Core	48	0.63	0.043	6.6	12.1	0.44	59	0.001	0.34	<0.01	0.13	<0.5	<0.05	3.8	<0.5	5.51	<5	3	57.20	6.02
REP 3207333	QC																			57.20	6.14
REP 3207343	QC																			42.70	5.70
REP 3207343	QC	76	0.22	0.075	6.0	20.6	0.27	54	0.005	1.14	<0.01	0.11	<0.5	0.14	4.0	<0.5	15.70	<5	7		
3207345	Drill Core	91	0.68	0.028	6.1	23.4	0.95	40	0.002	0.95	<0.01	0.07	<0.5	0.31	7.1	<0.5	8.15	<5	2	37.20	3.97
REP 3207345	QC																				
3207348	Drill Core	33	2.25	0.059	12.4	13.0	0.48	105	0.002	0.55	<0.01	0.19	<0.5	0.06	2.8	<0.5	2.49	<5	5	67.20	9.25
REP 3207348	QC																				
3207358	Drill Core	21	11.56	0.143	29.0	6.1	3.33	64	0.001	0.32	<0.01	0.18	<0.5	<0.05	4.5	<0.5	0.06	<5	<2	25.70	12.80
REP 3207358	QC																				
3207363	Drill Core	<10	0.55	0.085	60.5	14.3	0.42	92	0.004	1.43	0.02	0.25	<0.5	<0.05	3.2	<0.5	0.46	<5	<2	55.70	25.10
REP 3207363	QC																				
Core Reject Duplicates																					
3207309	Drill Core	88	2.17	0.038	6.0	8.4	1.60	37	<0.001	0.22	<0.01	0.04	<0.5	0.06	1.5	<0.5	1.04	<5	3	31.60	1.99
DUP 3207309	QC	90	2.16	0.038	6.2	9.0	1.61	39	0.001	0.24	<0.01	0.04	<0.5	<0.05	1.5	<0.5	1.06	<5	3	31.70	1.99

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Project: MacMillan Pass
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QUALITY CONTROL REPORT WHI18000982.1

	Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000
	Analyte	Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S
	Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
3207297	Drill Core	16.10	1.08	1.00	0.75	0.58	0.17	0.19	<0.01	0.05	<0.01	0.10	0.05	13.95	99.39	5.88	7.31	2.83
3207332	Drill Core	46.00	3.15	1.86	0.34	1.19	0.14	0.06	<0.01	<0.01	0.02	0.19	0.01	24.53	98.29	20.04	6.64	9.39
Pulp Duplicates																		
3207288	Drill Core	23.00	19.50	6.48	0.14	1.02	0.04	0.06	<0.01	<0.01	<0.01	0.03	1.48	23.29	90.22	28.11	9.73	5.24
REP 3207288	QC	23.00	19.60	6.49	0.14	1.01	0.03	0.06	<0.01	<0.01	<0.01	0.03	1.47	23.29	90.30			
3207294	Drill Core	5.60	5.39	1.63	0.82	0.25	0.16	0.22	0.01	0.07	<0.01	0.01	<0.01	14.44	99.20	7.06	9.23	0.67
REP 3207294	QC																9.35	0.68
3207300	Drill Core	14.70	0.59	0.75	0.58	0.57	0.13	0.14	<0.01	0.04	<0.01	0.14	0.07	11.45	99.88	6.72	5.81	1.19
REP 3207300	QC	14.60	0.58	0.74	0.59	0.57	0.13	0.14	<0.01	0.04	<0.01	0.13	0.07	11.45	99.68			
REP 3207309	QC	35.40	2.87	2.77	0.39	1.28	0.10	0.09	<0.01	0.02	<0.01	0.06	0.02	22.15	98.85			
3207312	Drill Core	19.60	3.08	2.04	0.28	0.68	0.07	0.09	<0.01	<0.01	<0.01	0.11	<0.01	13.89	98.92	11.92	5.97	0.63
REP 3207312	QC																	
3207328	Drill Core	7.30	0.33	0.53	1.79	0.17	0.41	0.10	<0.01	0.08	<0.01	0.04	<0.01	5.30	99.64	2.18	1.61	1.96
REP 3207328	QC																1.60	1.98
3207333	Drill Core	20.10	0.84	0.90	1.38	0.46	0.34	0.11	<0.01	0.05	0.01	0.04	<0.01	11.72	99.27	6.60	3.08	5.64
REP 3207333	QC	20.10	0.84	0.91	1.38	0.47	0.34	0.11	<0.01	0.06	0.01	0.04	<0.01	11.72	99.39			
REP 3207343	QC	31.60	0.27	0.65	0.95	0.25	0.34	0.14	<0.01	0.04	0.04	1.06	0.22	15.50	99.65			
REP 3207343	QC																	
3207345	Drill Core	34.60	0.91	1.59	0.56	0.95	0.24	0.06	<0.01	0.02	0.01	0.19	0.30	17.86	98.61	12.82	4.38	8.33
REP 3207345	QC																	
3207348	Drill Core	7.24	3.23	1.04	2.30	0.20	0.53	0.13	0.01	0.09	<0.01	0.02	0.02	6.36	97.76	4.33	2.33	2.50
REP 3207348	QC															4.36		
3207358	Drill Core	8.84	17.30	5.87	3.20	0.35	0.48	0.26	<0.01	0.09	<0.01	0.03	0.02	25.05	100.19	24.53	7.38	0.06
REP 3207358	QC																	
3207363	Drill Core	4.80	0.78	0.97	5.84	0.04	0.88	0.18	0.01	0.18	<0.01	<0.01	<0.01	4.91	99.79	0.71	0.65	0.43
REP 3207363	QC																0.67	0.42
Core Reject Duplicates																		
3207309	Drill Core	35.30	2.92	2.78	0.39	1.28	0.10	0.08	<0.01	<0.01	<0.01	0.06	0.02	22.12	98.67	20.44	8.94	1.10
DUP 3207309	QC	35.30	2.87	2.78	0.38	1.28	0.10	0.08	<0.01	<0.01	<0.01	0.06	0.02	22.12	98.70	21.22	8.91	1.09

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Vancouver British Columbia V5C 2V6 Canada

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QUALITY CONTROL REPORT WHI18000982.1

		WGHT Wgt kg 0.01	FA330 Au ppb 2	FA330 Pt ppb 3	FA330 Pd ppb 2	AQ270 Mo ppm 0.5	AQ270 Cu ppm 0.5	AQ270 Pb ppm 0.5	AQ270 Zn ppm 5	AQ270 Ag ppm 0.5	AQ270 Ni ppm 0.5	AQ270 Co ppm 0.5	AQ270 Mn ppm 5	AQ270 Fe % 0.01	AQ270 As ppm 5	AQ270 U ppm 0.5	AQ270 Th ppm 0.5	AQ270 Sr ppm 5	AQ270 Cd ppm 0.5	AQ270 Sb ppm 0.5	AQ270 Bi ppm 0.5
3207343	Drill Core	2.59	19	4	3	6.8	583.8	11365.6	2288	9.9	29.4	19.4	1856	21.93	65	3.1	2.6	14	14.0	23.8	<0.5
DUP 3207343	QC		20	6	<2	6.8	588.5	11003.3	2410	10.1	32.3	20.5	1940	22.20	71	3.2	3.2	13	15.6	25.4	<0.5
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD GBM398-4-AR	Standard					906.5	3937.0	11644.6	5268	48.7	4329.2	1996.2	5359	4.01	6	0.7	0.9	14	9.4	6.8	12.7
STD GBM398-4-AR	Standard					927.5	4023.5	12377.0	5471	50.0	4362.7	2081.3	5338	3.92	6	0.7	0.8	13	10.4	7.0	12.8
STD GS311-1	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 GS910-4	Standard																				
STD OREAS135	Standard					8.5	309.4	17077.5	28158	56.2	35.8	30.8	4049	8.90	969	9.3	10.2	26	71.9	36.9	4.7
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard					5.6	51219.3	862.1	2202	979.1	1571.2	99.7	89	3.65	1702	1.0	2.4	49	14.5	288.5	18.5
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				

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		AQ270 V ppm 10	AQ270 Ca % 0.01	AQ270 P % 0.001	AQ270 La ppm 0.5	AQ270 Cr ppm 0.5	AQ270 Mg % 0.01	AQ270 Ba ppm 5	AQ270 Ti % 0.001	AQ270 Al % 0.01	AQ270 Na % 0.01	AQ270 K % 0.01	AQ270 W ppm 0.5	AQ270 Hg ppm 0.05	AQ270 Sc ppm 0.5	AQ270 Tl ppm 0.5	AQ270 S % 0.05	AQ270 Ga ppm 5	AQ270 Se ppm 2	LF725 SiO2 % 0.01	LF725 Al2O3 % 0.01
3207343	Drill Core	74	0.18	0.058	5.7	19.8	0.32	58	0.002	1.10	<0.01	0.09	<0.5	0.15	4.2	<0.5	15.44	<5	6	42.60	5.68
DUP 3207343	QC	75	0.20	0.066	6.2	22.4	0.30	65	0.003	1.11	<0.01	0.10	<0.5	0.17	3.8	<0.5	15.58	<5	6	41.70	5.72
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD GBM398-4-AR	Standard	30	0.36	0.017	2.8	1926.1	0.12	19	0.116	0.50	0.24	0.10	3.4	3.22	1.4	<0.5	0.94	<5	3		
STD GBM398-4-AR	Standard	27	0.32	0.021	2.8	2094.2	0.11	19	0.115	0.45	0.24	0.10	3.0	3.01	2.1	<0.5	0.97	<5	3		
STD GS311-1	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 GS910-4	Standard																				
STD OREAS135	Standard	34	1.81	0.103	39.7	23.6	0.83	384	0.027	1.13	0.02	0.55	2.6	1.15	3.7	6.1	7.36	8	<2		
STD OREAS133B(D)	Standard																			33.50	6.83
STD OREAS133B(D)	Standard																			33.60	6.83
STD OREAS133B(D)	Standard																			33.70	6.82
STD OREAS133B(D)	Standard																			33.60	6.84
STD OREAS605	Standard	<10	0.18	0.013	7.4	31.0	0.02	152	0.011	0.76	0.03	0.14	6.5	1.65	1.0	15.6	8.08	7	78		
STD OREAS72B	Standard																			51.40	8.95
STD OREAS72B	Standard																			51.30	8.97

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		LF725 Fe2O3 % 0.01	LF725 CaO % 0.01	LF725 MgO % 0.01	LF725 K2O % 0.01	LF725 MnO % 0.01	LF725 TiO2 % 0.01	LF725 P2O5 % 0.01	LF725 Cr2O3 % 0.01	LF725 Ba % 0.01	LF725 Cu % 0.01	LF725 Pb % 0.01	LF725 Zn % 0.01	LF725 LOI % -5.11	LF725 SUM_T % 0.01	TC006 CO2 % 0.02	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
3207343	Drill Core	31.50	0.26	0.65	0.96	0.25	0.34	0.14	<0.01	0.04	0.03	1.06	0.22	15.50	99.48	4.11	1.86	15.06
DUP 3207343	QC	32.00	0.27	0.66	0.95	0.26	0.34	0.14	<0.01	0.04	0.04	1.04	0.24	15.78	99.38	4.83	1.88	15.12
Reference Materials																		
STD COO1	Standard															2.07		
STD COO1	Standard															2.26		
STD COO1	Standard															2.34		
STD COO1	Standard															2.40		
STD COO1	Standard															2.55		
STD COO1	Standard															2.16		
STD COO1	Standard															2.43		
STD COO1	Standard															2.32		
STD GBM398-4-AR	Standard																	
STD GBM398-4-AR	Standard																	
STD GS311-1	Standard																0.99	2.42
STD GS311-1	Standard																1.01	2.40
STD GS311-1	Standard																0.97	2.44
STD GS311-1	Standard																1.07	2.32
STD GS910-4	Standard																2.62	8.50
STD GS910-4	Standard																2.74	8.29
STD GS910-4	Standard																2.64	8.34
STD GS910-4	Standard																2.80	8.15
STD OREAS135	Standard																	
STD OREAS133B(D)	Standard	11.50	5.29	3.71	3.43	0.16	0.24	0.10	<0.01	0.07	0.03	5.06	11.33	13.00	97.42			
STD OREAS133B(D)	Standard	11.50	5.30	3.72	3.44	0.16	0.24	0.10	<0.01	0.07	0.03	5.06	11.33	13.00	97.56			
STD OREAS133B(D)	Standard	11.50	5.30	3.71	3.44	0.16	0.23	0.10	<0.01	0.07	0.03	5.06	11.33	13.00	97.63			
STD OREAS133B(D)	Standard	11.50	5.29	3.70	3.44	0.16	0.24	0.10	<0.01	0.08	0.03	5.06	11.33	13.00	97.55			
STD OREAS605	Standard																	
STD OREAS72B	Standard	9.88	3.98	15.90	1.31	0.15	0.35	0.06	0.14	0.04	0.02	<0.01	<0.01	5.12	98.60			
STD OREAS72B	Standard	9.90	3.98	15.90	1.32	0.15	0.36	0.06	0.15	0.04	0.02	<0.01	<0.01	5.12	98.56			

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

Project: MacMillan Pass
Report Date: November 23, 2018

QUALITY CONTROL REPORT WHI18000982.1

		WGHT Wgt kg 0.01	FA330 Au ppb 2	FA330 Pt ppb 3	FA330 Pd ppb 2	AQ270 Mo ppm 0.5	AQ270 Cu ppm 0.5	AQ270 Pb ppm 0.5	AQ270 Zn ppm 5	AQ270 Ag ppm 0.5	AQ270 Ni ppm 0.5	AQ270 Co ppm 0.5	AQ270 Mn ppm 5	AQ270 Fe % 0.01	AQ270 As ppm 5	AQ270 U ppm 0.5	AQ270 Th ppm 0.5	AQ270 Sr ppm 5	AQ270 Cd ppm 0.5	AQ270 Sb ppm 0.5	AQ270 Bi ppm 0.5
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard					1.0	10853.7	226.8	718	4.3	29.2	29.4	1033	8.06	13	1.7	12.4	14	1.0	1.5	69.4
STD OREAS927-AR	Standard					1.2	10946.3	214.1	738	4.8	31.9	31.0	1069	8.02	13	1.6	12.2	12	1.1	1.2	60.9
STD PD05	Standard		508	428	598																
STD PD05	Standard		540	454	636																
STD PD05	Standard		509	427	606																
STD PD05	Standard		498	420	587																
STD PD05	Standard		504	428	605																
STD PG04	Standard		965	890	1180																
STD PG04	Standard		979	913	1202																
STD PG04	Standard		938	885	1163																
STD PG04	Standard		935	857	1145																
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD COO1 Expected																					
STD GBM398-4-AR Expected						917	3919	11750	5345	49.2	4135	1950	5260	3.95	6	0.7	0.8	13	9.2	7.2	12.9
STD OREAS605 Expected						4.75	49800	856	2170	984	1538	93	86	3.75	1613	0.95			12.9	228	16.7
STD OREAS927-AR Expected						1.06	10715	212	726	4.9	30.9	29.4	1110	8.15	13.5	1.7	12.5	13.1	1.1	1.3	66
STD OREAS135 Expected						8.25	282	17000	28000	55.2	33.7	28	3960	8.97	883	8.89	9.67		61	38	4.35
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					
STD PG04 Expected			1004	903	1196																
STD PD05 Expected			519	430	596																

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QUALITY CONTROL REPORT WHI18000982.1

		AQ270 V ppm 10	AQ270 Ca % 0.01	AQ270 P % 0.001	AQ270 La ppm 0.5	AQ270 Cr ppm 0.5	AQ270 Mg % 0.01	AQ270 Ba ppm 5	AQ270 Ti % 0.001	AQ270 Al % 0.01	AQ270 Na % 0.01	AQ270 K % 0.01	AQ270 W ppm 0.5	AQ270 Hg ppm 0.05	AQ270 Sc ppm 0.5	AQ270 Tl ppm 0.5	AQ270 S % 0.05	AQ270 Ga ppm 5	AQ270 Se ppm 2	LF725 SiO2 % 0.01	LF725 Al2O3 % 0.01
STD OREAS72B	Standard																			51.40	8.98
STD OREAS72B	Standard																			51.40	8.99
STD OREAS927-AR	Standard	33	0.27	0.057	27.8	40.8	1.86	47	0.088	3.13	<0.01	0.26	4.3	0.07	3.8	<0.5	1.77	9	17		
STD OREAS927-AR	Standard	35	0.30	0.060	26.2	40.8	1.93	42	0.087	3.21	<0.01	0.26	5.0	0.08	5.3	<0.5	1.80	8	16		
STD PD05	Standard																				
STD PD05	Standard																				
STD PD05	Standard																				
STD PD05	Standard																				
STD PD05	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD SY-4(D)	Standard																			49.60	20.70
STD SY-4(D)	Standard																			49.70	20.70
STD SY-4(D)	Standard																			49.60	20.70
STD SY-4(D)	Standard																			49.60	20.70
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD COO1 Expected																					
STD GBM398-4-AR Expected		24	0.34	0.02	2.8	1950	0.12	21	0.111	0.48	0.25	0.11	3	3.21	1.79		0.94		3		
STD OREAS605 Expected		8.33	0.182	0.0116	3.95	27.5	0.0289	184.8	0.01	0.73	0.0328	0.134	5.9		1.05	15.3	7.86		75		
STD OREAS927-AR Expected		34	0.3	0.054	26.9	41.7	1.94	51.4	0.085	3.25	0.011	0.27	4.9	0.12	4.74		1.77	9.09	15.5		
STD OREAS135 Expected		33.4	1.83	0.086	39.8	22	0.833	366	0.026	1.09		0.487	2.93	1.21	3.51	6.61	7.08	5.25			
STD SY-4(D) Expected																				49.9	20.69
STD OREAS72B Expected																				51.16	8.97
STD OREAS133B(D) Expected																				33.83	6.91
STD PG04 Expected																					
STD PD05 Expected																					

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QUALITY CONTROL REPORT WHI18000982.1

		LF725 Fe2O3 % 0.01	LF725 CaO % 0.01	LF725 MgO % 0.01	LF725 K2O % 0.01	LF725 MnO % 0.01	LF725 TiO2 % 0.01	LF725 P2O5 % 0.01	LF725 Cr2O3 % 0.01	LF725 Ba % 0.01	LF725 Cu % 0.01	LF725 Pb % 0.01	LF725 Zn % 0.01	LF725 LOI % -5.11	LF725 SUM_T % 0.01	TC006 CO2 % 0.02	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
STD OREAS72B	Standard	9.88	3.97	15.80	1.32	0.15	0.36	0.06	0.14	0.04	0.02	<0.01	<0.01	5.12	98.55			
STD OREAS72B	Standard	9.92	3.98	15.90	1.31	0.15	0.35	0.06	0.15	0.03	0.02	<0.01	<0.01	5.12	98.68			
STD OREAS927-AR	Standard																	
STD OREAS927-AR	Standard																	
STD PD05	Standard																	
STD PD05	Standard																	
STD PD05	Standard																	
STD PD05	Standard																	
STD PD05	Standard																	
STD PG04	Standard																	
STD PG04	Standard																	
STD PG04	Standard																	
STD PG04	Standard																	
STD SY-4(D)	Standard	6.19	8.00	0.53	1.65	0.11	0.29	0.17	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.81			
STD SY-4(D)	Standard	6.18	8.01	0.53	1.66	0.11	0.30	0.17	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.92			
STD SY-4(D)	Standard	6.15	7.97	0.53	1.65	0.11	0.29	0.17	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.69			
STD SY-4(D)	Standard	6.17	7.99	0.52	1.65	0.11	0.29	0.17	<0.01	0.03	<0.01	<0.01	0.02	4.56	98.75			
STD GS311-1 Expected																	1.02	2.35
STD GS910-4 Expected																	2.65	8.27
STD COO1 Expected																2.37		
STD GBM398-4-AR Expected																		
STD OREAS605 Expected																		
STD OREAS927-AR Expected																		
STD OREAS135 Expected																		
STD SY-4(D) Expected		6.21		0.54	1.66	0.108	0.287	0.131		0.0345				4.56				
STD OREAS72B Expected		9.724	3.96	15.933	1.313	0.13	0.355	0.061	0.142	0.0335	0.0193			5.12				
STD OREAS133B(D) Expected		11.67	5.4	3.73						0.08	0.032	5.06	11.35					
STD PG04 Expected																		
STD PD05 Expected																		

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		WGHT Wgt kg 0.01	FA330 Au ppb 2	FA330 Pt ppb 3	FA330 Pd ppb 2	AQ270 Mo ppm 0.5	AQ270 Cu ppm 0.5	AQ270 Pb ppm 0.5	AQ270 Zn ppm 5	AQ270 Ag ppm 0.5	AQ270 Ni ppm 0.5	AQ270 Co ppm 0.5	AQ270 Mn ppm 5	AQ270 Fe % 0.01	AQ270 As ppm 5	AQ270 U ppm 0.5	AQ270 Th ppm 0.5	AQ270 Sr ppm 5	AQ270 Cd ppm 0.5	AQ270 Sb ppm 0.5	AQ270 Bi ppm 0.5
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<2	<3	<2																
BLK	Blank		<2	<3	<2																
BLK	Blank		3	<3	<2																
BLK	Blank		<2	3	<2																
BLK	Blank					<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank					<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank					<0.5	<0.5	1.0	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
SI BLK	Blank																				
SI BLK	Blank																				
SI BLK	Blank																				
SI BLK	Blank																				
BLK	Blank		<2	<3	<2																
BLK	Blank		2	<3	<2																
BLK	Blank		3	<3	<2																
BLK	Blank		<2	<3	<2																
BLK	Blank		2	<3	4																
Prep Wash																					
ROCK-WHI	Prep Blank		<2	4	<2	1.1	5.5	4.1	37	<0.5	1.0	3.7	604	1.91	<5	<0.5	2.3	31	<0.5	<0.5	<0.5
ROCK-WHI	Prep Blank		<2	3	<2	1.3	4.4	4.0	39	<0.5	1.1	3.5	592	1.91	<5	<0.5	2.2	34	<0.5	<0.5	<0.5

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QUALITY CONTROL REPORT WHI18000982.1

		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
SI BLK	Blank																			98.70	0.34
SI BLK	Blank																			99.50	0.33
SI BLK	Blank																			99.50	0.33
SI BLK	Blank																			99.00	0.34
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	22	0.75	0.039	6.9	2.4	0.49	62	0.092	0.97	0.08	0.12	<0.5	<0.05	4.3	<0.5	0.08	<5	<2	70.90	13.80
ROCK-WHI	Prep Blank	22	0.83	0.043	7.2	2.8	0.47	69	0.094	1.05	0.09	0.12	<0.5	<0.05	4.0	<0.5	0.06	<5	<2	71.20	13.80

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		LF725 Fe2O3 % 0.01	LF725 CaO % 0.01	LF725 MgO % 0.01	LF725 K2O % 0.01	LF725 MnO % 0.01	LF725 TiO2 % 0.01	LF725 P2O5 % 0.01	LF725 Cr2O3 % 0.01	LF725 Ba % 0.01	LF725 Cu % 0.01	LF725 Pb % 0.01	LF725 Zn % 0.01	LF725 LOI % -5.11	LF725 SUM_T % 0.01	TC006 CO2 % 0.02	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02
BLK	Blank																<0.02	<0.02
BLK	Blank																<0.02	<0.02
BLK	Blank																<0.02	<0.02
BLK	Blank																<0.02	<0.02
BLK	Blank															<0.02		
BLK	Blank															<0.02		
BLK	Blank															<0.02		
BLK	Blank															<0.02		
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
SI BLK	Blank	0.03	0.01	0.03	<0.01	0.02	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.18			
SI BLK	Blank	0.03	<0.01	0.03	<0.01	0.02	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.94			
SI BLK	Blank	0.03	<0.01	0.03	<0.01	0.02	0.03	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.00	99.98			
SI BLK	Blank	0.23	<0.01	0.03	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.64			
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
Prep Wash																		
ROCK-WHI	Prep Blank	3.17	2.20	0.88	1.98	0.11	0.34	0.09	<0.01	0.08	<0.01	<0.01	<0.01	1.19	99.27	0.24	0.14	0.06
ROCK-WHI	Prep Blank	3.19	2.16	0.93	1.93	0.11	0.35	0.09	<0.01	0.08	<0.01	<0.01	<0.01	1.12	99.46	0.30	0.12	0.07