



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 18, 2018
Report Date: November 10, 2018
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI18000940.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ18-BV-027
P.O. Number
Number of Samples: 27

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	27	Crush, split and pulverize 500g rock to 200 mesh			WHI
CRUBW	27	Extra clean rock wash between samples in crusher			WHI
PULSW	27	Extra Wash with Silica between each sample			WHI
FA330	27	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
EN002	27	Environmental disposal charge-Fire assay lead waste			VAN
AQ270	27	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	27	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC006	27	15% HClO4 leach, CO2 analysis by Leco	0.2	Completed	VAN
TC003	27	Analysis by Leco	0.1	Completed	VAN
SHP01	27	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

CC:



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



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Project:

MacMillan Pass

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November 10, 2018

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CERTIFICATE OF ANALYSIS

WHI18000940.1

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
3209139	Drill Core	5.80	7	4	13	18.5	63.3	71.0	62	0.7	61.3	6.9	76	2.27	33	2.5	4.4	45	<0.5	6.8
3209140	Drill Core	6.81	8	<3	8	18.9	52.6	77.0	47	<0.5	62.0	7.7	102	2.19	32	3.2	4.8	78	<0.5	6.8
3209141	Drill Core	5.52	9	<3	5	15.1	59.9	109.2	26	0.8	70.9	7.6	199	3.86	36	2.5	4.2	122	<0.5	8.2
3209142	Drill Core	6.27	8	<3	9	15.5	66.7	127.2	45	0.9	62.3	7.5	255	4.68	52	2.6	4.5	143	<0.5	9.8
3209143	Drill Core	5.65	8	<3	7	14.8	56.4	82.2	37	0.7	63.7	6.8	230	3.02	35	2.6	4.3	141	<0.5	7.1
3209144	Drill Core	5.74	8	<3	9	16.3	53.0	96.1	54	0.8	68.4	6.6	183	3.07	36	2.8	4.2	107	<0.5	8.1
3209145	Drill Core	5.51	9	<3	8	18.5	51.4	92.4	189	0.6	69.8	7.2	202	2.78	37	3.3	3.7	93	<0.5	8.0
3209146	Drill Core	6.11	9	<3	11	20.5	63.9	88.9	53	0.7	76.6	6.1	123	2.70	38	3.1	4.4	83	<0.5	8.3
3209147	Drill Core	5.72	9	<3	10	23.0	57.8	80.5	107	0.7	76.4	7.0	113	2.40	43	3.2	4.4	76	<0.5	8.1
3209148	Drill Core	5.93	9	<3	7	20.0	66.6	215.7	124	0.8	81.1	6.1	102	4.04	53	2.9	4.1	57	<0.5	11.6
3209149	Drill Core	5.48	8	<3	6	19.6	54.8	82.3	135	0.6	73.9	6.1	98	2.24	34	2.9	3.8	46	<0.5	7.3
3209150	Drill Core	6.56	7	<3	6	18.7	48.3	71.0	115	0.6	70.9	5.8	100	2.16	38	3.0	3.9	46	<0.5	7.1
3209223	Drill Core	6.65	7	<3	8	18.6	48.3	76.8	84	1.0	71.5	6.9	30	1.86	31	4.7	5.3	39	26.5	10.8
3209224	Drill Core	10.27	8	<3	5	20.4	70.8	63.5	33	0.7	67.6	5.7	35	1.69	38	4.9	5.4	37	49.9	11.0
3209225	Drill Core	7.86	8	<3	6	21.8	147.0	71.8	56	0.9	85.8	7.9	30	1.84	59	3.6	5.0	32	147.1	14.1
3209226	Drill Core	5.36	11	<3	7	20.3	46.9	71.0	177	0.9	69.9	6.3	36	1.88	37	7.7	4.9	68	93.7	12.7
3209227	Drill Core	11.55	11	<3	9	20.2	38.0	56.2	77	0.7	70.5	7.0	41	1.83	36	4.4	4.7	37	40.0	12.9
3209228	Drill Core	7.66	18	<3	9	20.6	57.0	73.3	573	0.9	71.0	6.7	27	1.77	43	7.1	5.2	41	69.4	15.5
3209229	Drill Core	7.49	18	<3	10	15.0	54.9	94.5	85	1.2	70.0	7.2	277	3.14	42	3.4	4.7	112	7.3	15.1
3209230	Drill Core	6.17	11	<3	6	13.9	45.8	87.0	105	1.0	56.8	5.3	302	2.65	36	2.6	4.0	114	0.9	11.4
3209267	Drill Core	6.92	9	<3	3	2.4	341.5	19.5	27	1.7	37.0	12.7	1277	5.40	31	0.7	2.1	125	<0.5	4.5
3209268	Drill Core	8.03	52	<3	4	3.2	307.3	22.7	127	1.8	46.7	18.6	637	2.90	539	1.1	4.7	53	3.1	7.5
3209269	Drill Core	6.99	24	7	10	3.9	96.4	57.1	64	0.9	61.6	22.0	405	2.58	63	1.1	7.6	18	1.9	11.8
3209270	Drill Core	7.06	10	<3	4	2.6	130.4	19.9	116	0.8	36.0	11.3	681	2.67	25	0.7	3.1	21	0.6	4.9
3209271	Drill Core	8.57	16	<3	4	2.5	239.0	17.4	96	1.4	32.6	8.7	425	2.18	98	0.8	2.8	28	2.0	5.8
3209272	Drill Core	7.43	11	<3	4	2.3	35.0	21.0	11	0.6	33.4	12.1	289	2.19	40	0.6	2.7	37	<0.5	6.9
3209273	Drill Core	7.59	17	<3	3	1.8	20.5	30.5	5	0.8	42.4	10.6	204	2.49	67	<0.5	1.8	30	<0.5	9.4



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Project: MacMillan Pass
Report Date: November 10, 2018

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CERTIFICATE OF ANALYSIS

WHI18000940.1

	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
3209139	Drill Core	71	0.47	0.114	6.1	14.3	0.13	567	0.004	0.51	<0.01	0.18	<0.5	0.18	2.6	0.9	2.16	<5	7	76.10	8.76
3209140	Drill Core	85	0.73	0.114	8.2	17.8	0.26	1436	0.005	0.50	<0.01	0.18	<0.5	0.16	2.9	1.1	2.11	<5	4	74.80	8.92
3209141	Drill Core	94	1.47	0.110	6.6	21.6	0.58	636	0.005	0.51	<0.01	0.17	<0.5	0.16	3.8	1.5	3.78	<5	6	69.90	8.16
3209142	Drill Core	100	1.78	0.131	7.3	22.6	0.71	907	0.005	0.44	<0.01	0.17	<0.5	0.26	3.7	3.4	4.60	<5	5	67.20	8.23
3209143	Drill Core	101	1.72	0.127	7.1	22.3	0.69	941	0.005	0.49	<0.01	0.17	<0.5	0.14	3.2	1.3	2.73	<5	5	71.10	8.03
3209144	Drill Core	95	1.25	0.126	7.2	20.6	0.49	841	0.005	0.55	<0.01	0.17	<0.5	0.24	4.3	1.4	2.76	<5	6	72.20	8.34
3209145	Drill Core	94	0.96	0.144	8.2	20.3	0.35	1178	0.005	0.49	<0.01	0.15	<0.5	0.13	3.6	1.3	2.19	<5	6	75.10	7.27
3209146	Drill Core	92	0.78	0.143	7.3	20.1	0.27	1329	0.005	0.49	<0.01	0.15	<0.5	0.17	3.1	1.3	2.56	<5	5	75.20	7.91
3209147	Drill Core	96	0.76	0.128	7.7	18.9	0.28	1355	0.005	0.49	<0.01	0.16	<0.5	0.13	2.3	1.4	2.24	<5	7	75.50	8.19
3209148	Drill Core	85	0.58	0.122	6.9	16.7	0.18	361	0.004	0.68	<0.01	0.14	<0.5	0.28	2.9	7.0	3.87	<5	8	73.20	7.61
3209149	Drill Core	83	0.56	0.123	8.0	16.0	0.18	1169	0.004	1.15	<0.01	0.14	<0.5	0.19	3.0	1.4	1.62	<5	5	75.90	7.56
3209150	Drill Core	86	0.51	0.114	8.7	15.3	0.15	1296	0.004	1.10	<0.01	0.13	<0.5	0.19	4.3	1.2	1.49	<5	7	76.30	7.66
3209223	Drill Core	75	0.23	0.153	8.4	19.6	0.02	687	0.004	0.62	<0.01	0.19	<0.5	0.32	3.0	0.8	1.93	<5	4	76.80	9.14
3209224	Drill Core	70	0.19	0.137	5.9	18.3	0.02	1368	0.003	0.49	<0.01	0.16	<0.5	0.17	3.2	0.7	1.76	<5	3	78.30	8.68
3209225	Drill Core	76	0.18	0.119	6.5	15.5	0.02	828	0.003	0.47	<0.01	0.17	<0.5	0.21	3.3	1.0	1.91	<5	5	78.00	8.69
3209226	Drill Core	78	0.18	0.153	6.8	22.9	0.02	1460	0.004	0.55	<0.01	0.16	<0.5	0.13	4.8	0.7	1.93	<5	5	78.10	8.59
3209227	Drill Core	86	0.22	0.118	6.1	19.6	0.03	1516	0.004	0.52	<0.01	0.16	<0.5	0.18	4.5	0.6	1.88	<5	4	78.60	8.32
3209228	Drill Core	93	0.23	0.147	8.3	25.6	0.02	1654	0.004	0.59	<0.01	0.15	<0.5	0.38	4.2	0.9	1.88	<5	8	76.90	8.60
3209229	Drill Core	87	1.13	0.144	6.6	20.2	0.46	774	0.004	0.96	<0.01	0.15	<0.5	0.32	4.5	0.9	2.49	<5	3	70.30	8.56
3209230	Drill Core	73	1.43	0.110	6.2	16.5	0.55	1409	0.004	1.29	<0.01	0.12	<0.5	0.27	5.5	0.7	1.63	<5	4	72.20	7.42
3209267	Drill Core	29	1.92	0.056	18.9	9.3	0.72	399	0.002	0.22	<0.01	0.11	<0.5	<0.05	3.6	<0.5	0.93	<5	3	76.40	3.53
3209268	Drill Core	31	0.70	0.061	39.9	10.3	0.27	587	0.003	0.38	<0.01	0.19	<0.5	<0.05	3.5	<0.5	0.74	<5	4	79.90	6.75
3209269	Drill Core	35	0.15	0.066	48.1	10.4	0.12	716	0.003	0.50	<0.01	0.25	<0.5	0.08	3.0	<0.5	1.00	<5	5	75.30	11.00
3209270	Drill Core	22	0.35	0.046	23.5	8.3	0.12	442	0.002	0.27	<0.01	0.14	<0.5	<0.05	2.5	<0.5	0.51	<5	<2	85.00	4.88
3209271	Drill Core	18	0.28	0.051	22.4	7.2	0.07	396	0.002	0.27	<0.01	0.12	<0.5	<0.05	1.9	<0.5	0.81	<5	<2	86.30	4.98
3209272	Drill Core	17	0.79	0.086	17.0	7.3	0.21	415	0.003	0.26	<0.01	0.13	<0.5	0.07	2.1	<0.5	1.30	<5	<2	84.90	4.47
3209273	Drill Core	14	0.68	0.044	8.3	6.5	0.21	326	0.002	0.20	<0.01	0.09	<0.5	<0.05	1.0	<0.5	1.78	<5	3	87.00	3.42



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CERTIFICATE OF ANALYSIS

WHI18000940.1

	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000
		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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
3209139	Drill Core	3.15	0.65	0.57	1.87	0.02	0.44	0.26	0.01	1.22	<0.01	<0.01	<0.01	6.19	99.42	0.40	3.04
3209140	Drill Core	3.04	1.00	0.79	1.92	0.02	0.45	0.26	0.01	1.19	<0.01	<0.01	<0.01	6.82	99.41	0.76	3.31
3209141	Drill Core	5.36	1.97	1.29	1.71	0.03	0.41	0.28	0.01	0.92	<0.01	<0.01	<0.01	8.47	98.66	2.08	3.51
3209142	Drill Core	6.41	2.36	1.53	1.76	0.04	0.42	0.27	0.01	0.88	<0.01	0.01	<0.01	9.11	98.37	2.86	3.58
3209143	Drill Core	4.18	2.31	1.47	1.68	0.04	0.41	0.27	0.01	0.81	<0.01	<0.01	<0.01	8.46	98.91	2.66	3.74
3209144	Drill Core	4.27	1.70	1.15	1.73	0.03	0.43	0.27	0.01	1.06	<0.01	0.01	<0.01	8.03	99.37	1.93	3.63
3209145	Drill Core	3.76	1.29	0.85	1.43	0.03	0.38	0.29	0.01	1.01	<0.01	<0.01	<0.01	6.74	98.33	1.37	3.33
3209146	Drill Core	3.60	1.06	0.71	1.49	0.02	0.41	0.30	0.01	0.77	<0.01	<0.01	<0.01	6.82	98.42	0.76	3.03
3209147	Drill Core	3.28	1.03	0.75	1.56	0.02	0.43	0.27	0.01	0.79	<0.01	<0.01	<0.01	7.08	99.05	0.97	3.50
3209148	Drill Core	5.54	0.80	0.59	1.41	0.02	0.39	0.26	0.01	1.51	0.02	0.02	<0.01	7.84	99.44	0.66	3.24
3209149	Drill Core	3.06	0.78	0.56	1.37	0.02	0.39	0.26	0.01	2.77	<0.01	0.01	<0.01	6.20	99.23	0.61	3.01
3209150	Drill Core	3.00	0.71	0.53	1.33	0.02	0.40	0.27	0.02	2.67	<0.01	<0.01	<0.01	6.33	99.58	0.54	3.11
3209223	Drill Core	2.62	0.34	0.37	2.15	0.01	0.44	0.35	0.02	0.65	<0.01	<0.01	<0.01	6.08	99.08	0.03	3.23
3209224	Drill Core	2.40	0.29	0.37	2.07	0.01	0.44	0.29	0.02	0.76	<0.01	<0.01	<0.01	5.84	99.58	0.04	3.22
3209225	Drill Core	2.61	0.27	0.38	2.08	0.01	0.43	0.26	0.02	0.78	0.01	0.01	<0.01	5.69	99.36	0.04	3.13
3209226	Drill Core	2.64	0.28	0.37	1.97	0.01	0.42	0.31	0.01	1.17	<0.01	0.01	0.01	5.87	99.96	0.03	3.05
3209227	Drill Core	2.60	0.28	0.37	1.86	0.01	0.41	0.26	0.01	0.98	<0.01	<0.01	<0.01	6.08	99.93	0.05	3.39
3209228	Drill Core	2.43	0.30	0.38	1.80	0.01	0.42	0.33	0.01	1.55	<0.01	<0.01	0.05	6.20	99.20	<0.02	3.15
3209229	Drill Core	4.27	1.51	1.00	1.61	0.04	0.44	0.29	0.02	2.26	<0.01	<0.01	<0.01	7.87	98.45	1.81	3.39
3209230	Drill Core	3.65	1.91	1.15	1.33	0.04	0.38	0.25	0.01	3.14	<0.01	0.01	<0.01	7.33	99.20	2.10	3.53
3209267	Drill Core	7.53	2.53	1.32	0.92	0.16	0.19	0.11	<0.01	0.27	0.03	<0.01	<0.01	6.64	99.68	5.49	2.42
3209268	Drill Core	4.07	0.94	0.62	1.77	0.08	0.37	0.13	<0.01	0.50	0.03	<0.01	<0.01	4.06	99.32	1.81	1.48
3209269	Drill Core	3.93	0.21	0.54	2.86	0.05	0.62	0.13	0.01	0.76	<0.01	<0.01	<0.01	4.27	99.81	0.99	1.29
3209270	Drill Core	3.70	0.47	0.36	1.29	0.09	0.26	0.11	<0.01	0.36	0.01	<0.01	<0.01	3.10	99.71	1.43	1.11
3209271	Drill Core	3.05	0.35	0.29	1.30	0.06	0.27	0.11	<0.01	0.36	0.02	<0.01	<0.01	2.66	99.82	0.84	0.86
3209272	Drill Core	3.06	1.06	0.48	1.18	0.04	0.24	0.18	<0.01	0.32	<0.01	<0.01	<0.01	2.97	98.95	1.30	0.93
3209273	Drill Core	3.38	0.91	0.42	0.90	0.03	0.18	0.10	<0.01	0.25	<0.01	<0.01	<0.01	2.83	99.45	1.08	0.77



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Vancouver British Columbia V5C 2V6 Canada

Project:

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QUALITY CONTROL REPORT

WHI18000940.1

	Method Analyte Unit MDL	WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
		kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
Pulp Duplicates																					
3209144	Drill Core	5.74	8	<3	9	16.3	53.0	96.1	54	0.8	68.4	6.6	183	3.07	36	2.8	4.2	107	<0.5	8.1	<0.5
REP 3209144	QC		10	<3	12																
3209145	Drill Core	5.51	9	<3	8	18.5	51.4	92.4	189	0.6	69.8	7.2	202	2.78	37	3.3	3.7	93	<0.5	8.0	<0.5
REP 3209145	QC					18.1	46.5	84.2	182	0.6	67.5	6.2	205	2.76	35	2.9	4.0	97	<0.5	7.5	<0.5
3209268	Drill Core	8.03	52	<3	4	3.2	307.3	22.7	127	1.8	46.7	18.6	637	2.90	539	1.1	4.7	53	3.1	7.5	<0.5
REP 3209268	QC		51	<3	5																
3209270	Drill Core	7.06	10	<3	4	2.6	130.4	19.9	116	0.8	36.0	11.3	681	2.67	25	0.7	3.1	21	0.6	4.9	<0.5
REP 3209270	QC																				
Core Reject Duplicates																					
3209267	Drill Core	6.92	9	<3	3	2.4	341.5	19.5	27	1.7	37.0	12.7	1277	5.40	31	0.7	2.1	125	<0.5	4.5	<0.5
DUP 3209267	QC		26	<3	5	2.4	345.5	19.7	28	1.6	36.3	12.7	1239	5.37	30	0.6	1.9	125	<0.5	4.8	<0.5
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD GBM398-4-AR	Standard					938.3	3891.6	11072.0	5337	50.3	4321.2	1903.0	5463	4.11	8	0.7	0.9	13	9.0	7.2	13.4
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard					1.2	10636.1	221.5	737	4.4	30.0	29.0	1099	8.35	13	1.8	12.7	13	0.9	1.2	71.5
STD PD05	Standard		514	438	618																
STD PG04	Standard		1002	909	1211																
STD SY-4(D)	Standard																				
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					



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	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
Pulp Duplicates																					
3209144	Drill Core	95	1.25	0.126	7.2	20.6	0.49	841	0.005	0.55	<0.01	0.17	<0.5	0.24	4.3	1.4	2.76	<5	6	72.20	8.34
REP 3209144	QC																			72.20	8.34
3209145	Drill Core	94	0.96	0.144	8.2	20.3	0.35	1178	0.005	0.49	<0.01	0.15	<0.5	0.13	3.6	1.3	2.19	<5	6	75.10	7.27
REP 3209145	QC	95	0.96	0.134	7.5	19.8	0.34	1258	0.005	0.49	<0.01	0.14	<0.5	0.17	4.3	1.3	2.19	<5	4	75.10	7.31
3209268	Drill Core	31	0.70	0.061	39.9	10.3	0.27	587	0.003	0.38	<0.01	0.19	<0.5	<0.05	3.5	<0.5	0.74	<5	4	79.90	6.75
REP 3209268	QC																				
3209270	Drill Core	22	0.35	0.046	23.5	8.3	0.12	442	0.002	0.27	<0.01	0.14	<0.5	<0.05	2.5	<0.5	0.51	<5	<2	85.00	4.88
REP 3209270	QC																				
Core Reject Duplicates																					
3209267	Drill Core	29	1.92	0.056	18.9	9.3	0.72	399	0.002	0.22	<0.01	0.11	<0.5	<0.05	3.6	<0.5	0.93	<5	3	76.40	3.53
DUP 3209267	QC	28	1.94	0.051	19.0	9.0	0.72	346	0.002	0.20	<0.01	0.09	<0.5	<0.05	2.5	<0.5	0.92	<5	2	76.50	3.45
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD GBM398-4-AR	Standard	24	0.36	0.022	2.8	1993.2	0.14	21	0.117	0.49	0.25	0.10	3.3	3.14	2.3	<0.5	0.97	<5	3		
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																			33.70	6.82
STD OREAS72B	Standard																			51.20	8.93
STD OREAS927-AR	Standard	34	0.28	0.058	29.2	39.4	1.94	46	0.079	3.22	<0.01	0.24	5.4	0.10	6.7	<0.5	1.79	9	16		
STD PD05	Standard																				
STD PG04	Standard																				
STD SY-4(D)	Standard																			49.70	20.70
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 GS311-1 Expected																					
STD GS910-4 Expected																					



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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
Pulp Duplicates																	
3209144 Drill Core	4.27	1.70	1.15	1.73	0.03	0.43	0.27	0.01	1.06	<0.01	0.01	<0.01	8.03	99.37	1.93	3.63	3.07
REP 3209144 QC	4.26	1.69	1.14	1.72	0.03	0.43	0.27	0.01	1.05	<0.01	0.01	<0.01	8.03	99.33			
3209145 Drill Core	3.76	1.29	0.85	1.43	0.03	0.38	0.29	0.01	1.01	<0.01	<0.01	<0.01	6.74	98.33	1.37	3.33	2.39
REP 3209145 QC	3.72	1.28	0.85	1.42	0.03	0.37	0.29	0.01	1.01	<0.01	<0.01	<0.01	6.74	98.26			
3209268 Drill Core	4.07	0.94	0.62	1.77	0.08	0.37	0.13	<0.01	0.50	0.03	<0.01	<0.01	4.06	99.32	1.81	1.48	0.77
REP 3209268 QC																	
3209270 Drill Core	3.70	0.47	0.36	1.29	0.09	0.26	0.11	<0.01	0.36	0.01	<0.01	<0.01	3.10	99.71	1.43	1.11	0.54
REP 3209270 QC															1.50	1.11	0.53
Core Reject Duplicates																	
3209267 Drill Core	7.53	2.53	1.32	0.92	0.16	0.19	0.11	<0.01	0.27	0.03	<0.01	<0.01	6.64	99.68	5.49	2.42	1.00
DUP 3209267 QC	7.49	2.54	1.32	0.90	0.16	0.19	0.12	<0.01	0.27	0.03	<0.01	<0.01	6.29	99.29	5.34	2.42	1.01
Reference Materials																	
STD COO1 Standard															2.50		
STD COO1 Standard															2.31		
STD GBM398-4-AR Standard																	
STD GS311-1 Standard																0.99	2.42
STD GS910-4 Standard																2.68	8.58
STD OREAS133B(D) Standard	11.50	5.32	3.71	3.45	0.16	0.23	0.10	<0.01	0.07	0.03	5.05	11.33	13.00	97.64			
STD OREAS72B Standard	9.77	3.98	15.90	1.32	0.13	0.34	0.06	0.14	0.03	0.02	<0.01	0.01	5.12	98.27			
STD OREAS927-AR Standard																	
STD PD05 Standard																	
STD PG04 Standard																	
STD SY-4(D) Standard	6.18	8.00	0.53	1.66	0.11	0.30	0.16	<0.01	0.04	<0.01	<0.01	0.02	4.56	98.93			
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 GS311-1 Expected																1.02	2.35
STD GS910-4 Expected																2.65	8.27



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	WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi
	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.01	2	3	2	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5
STD 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 OREAS927-AR Expected					1.06	10715	212	726	4.9	30.9	29.4	1110	8.15	13.5	1.7	12.5	13.1	1.1	1.3	66
STD PD05 Expected		519	430	596																
STD PG04 Expected		1004	903	1196																
SI BLK	Blank																			
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
BLK	Blank	2	<3	2																
BLK	Blank	2	<3	<2																
Prep Wash																				
ROCK-WHI	Prep Blank	2	<3	<2	1.0	4.5	1.7	32	<0.5	<0.5	3.6	556	1.95	<5	<0.5	2.6	25	<0.5	<0.5	<0.5
ROCK-WHI	Prep Blank	<2	<3	3	1.3	3.1	1.6	37	<0.5	0.9	3.4	578	1.96	<5	0.5	2.6	27	<0.5	<0.5	<0.5



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		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725
		V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3
		ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
		10	0.01	0.001	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
STD COO1 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 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 PD05 Expected																					
STD PG04 Expected																					
SI BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<10	<0.01	<0.001	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2		
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	24	0.72	0.038	6.6	2.9	0.46	60	0.090	0.96	0.07	0.09	<0.5	<0.05	4.1	<0.5	<0.05	<5	<2	70.90	14.00
ROCK-WHI	Prep Blank	23	0.71	0.046	7.2	3.0	0.47	65	0.089	0.86	0.06	0.09	<0.5	<0.05	4.7	<0.5	0.05	<5	<2	71.50	14.10



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		LF725 Fe2O3 %	LF725 CaO %	LF725 MgO %	LF725 K2O %	LF725 MnO %	LF725 TiO2 %	LF725 P2O5 %	LF725 Cr2O3 %	LF725 Ba %	LF725 Cu %	LF725 Pb %	LF725 Zn %	LF725 LOI %	LF725 SUM_T %	TC006 CO2 %	TC000 TOT/C %	TC000 TOT/S %
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
STD COO1 Expected		2.37																
STD GBM398-4-AR Expected																		
STD OREAS927-AR Expected																		
STD PD05 Expected																		
STD PG04 Expected																		
SI BLK	Blank	<0.01	0.02	0.03	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.53			
BLK	Blank																<0.02	<0.02
BLK	Blank	<0.02																
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
Prep Wash																		
ROCK-WHI	Prep Blank	3.01	2.15	0.87	2.07	0.09	0.35	0.09	<0.01	0.22	<0.01	<0.01	<0.01	1.21	99.51	0.13	0.10	0.04
ROCK-WHI	Prep Blank	3.07	2.28	0.92	1.95	0.10	0.35	0.10	<0.01	0.09	<0.01	<0.01	<0.01	1.18	100.12	0.25	0.11	0.05