



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 25, 2018
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CERTIFICATE OF ANALYSIS

WHI18000942.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ18-BV-039
P.O. Number
Number of Samples: 81

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			WHI
SLBHP	2	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	81	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
EN002	81	Environmental disposal charge-Fire assay lead waste			VAN
AQ270	81	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	81	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC006	81	15% HClO4 leach, CO2 analysis by Leco	0.2	Completed	VAN
TC003	81	Analysis by Leco	0.1	Completed	VAN
SHP01	81	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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	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
3208227	Drill Core	3.98	100	<3	5	0.9	56.8	18.2	40	<0.5	2.2	1.6	183	1.19	118	<0.5	1.2	12	<0.5	3.8	<0.5
3208228	Drill Core	5.61	9	<3	3	6.2	33.7	23.2	61	<0.5	22.7	4.2	553	2.89	56	1.0	2.9	17	<0.5	3.4	<0.5
3208229	Drill Core	4.19	14	<3	5	2.2	114.4	36.3	85	1.0	19.7	4.0	451	2.21	34	0.7	1.9	25	2.3	4.1	<0.5
3208230	Drill Core	5.94	9	<3	3	2.8	150.1	53.9	282	1.0	18.3	3.4	1585	6.53	80	2.0	4.4	120	<0.5	7.4	<0.5
3208231	Drill Core	6.95	6	<3	4	2.8	113.4	23.9	111	0.8	26.8	5.0	3998	10.15	35	1.0	4.3	44	<0.5	5.4	<0.5
3208232	Drill Core	5.64	6	<3	3	2.5	66.9	30.1	72	0.7	27.9	4.6	2552	7.19	35	0.6	3.3	24	<0.5	5.0	<0.5
3208233	Drill Core	5.51	9	<3	6	3.0	46.6	49.2	71	1.0	36.4	5.7	494	2.93	44	0.6	3.9	44	<0.5	7.7	<0.5
3208234	Rock Pulp	0.08	141	<3	6	1.9	939.0	66.6	5274	2.0	19.6	41.4	1327	8.12	85	<0.5	0.6	76	14.1	4.3	<0.5
3208235	Drill Core	3.62	9	<3	5	2.7	91.1	46.2	100	1.3	32.0	4.9	492	2.60	34	0.6	4.1	47	<0.5	8.8	<0.5
3208236	Drill Core	3.39	4	<3	4	1.6	26.2	28.5	29	<0.5	21.4	4.2	273	1.45	10	<0.5	1.2	18	<0.5	3.0	<0.5
3208237	Drill Core	7.24	4	<3	3	1.4	36.9	78.3	49	0.6	34.4	4.7	912	3.18	18	<0.5	1.1	34	<0.5	3.6	<0.5
3208238	Rock	1.21	<2	<3	<2	1.0	10.2	2.2	39	<0.5	2.4	4.8	606	2.10	<5	<0.5	2.1	33	<0.5	<0.5	<0.5
3208239	Drill Core	7.62	6	<3	3	1.9	55.6	318.8	24	1.4	53.3	6.3	222	2.31	57	<0.5	0.9	15	<0.5	7.0	<0.5
3208240	Drill Core	7.30	5	<3	2	1.9	42.5	190.8	26	1.0	40.2	5.4	260	1.44	21	<0.5	0.8	15	<0.5	5.5	<0.5
3208241	Drill Core	7.51	4	<3	3	1.7	47.9	97.3	60	<0.5	30.8	4.8	1487	4.60	19	<0.5	1.0	25	<0.5	3.8	<0.5
3208242	Drill Core	5.69	3	<3	3	1.8	37.0	170.3	112	0.7	27.7	4.6	187	2.13	31	<0.5	1.2	27	<0.5	6.0	<0.5
3208243	Drill Core	8.66	9	3	6	3.4	56.1	98.5	179	0.7	38.7	8.5	401	2.83	47	0.6	5.2	25	<0.5	6.2	<0.5
3208244	Drill Core	7.58	25	<3	8	24.6	67.4	108.9	165	1.8	85.6	12.1	208	3.22	70	1.2	7.9	37	<0.5	24.7	<0.5
3208245	Drill Core	7.57	20	<3	4	6.4	68.3	96.1	69	1.3	49.0	9.4	36	1.70	41	0.7	5.6	29	<0.5	16.2	<0.5
3208246	Drill Core	9.59	18	<3	7	6.4	76.8	121.0	89	1.6	51.1	10.3	89	1.75	34	0.8	6.0	50	<0.5	15.5	<0.5
3208247	Drill Core	8.76	25	12	28	5.8	60.6	75.0	171	0.9	36.4	7.4	403	2.13	27	0.7	5.3	35	<0.5	8.3	<0.5
3208248	Drill Core	7.58	18	6	8	7.2	83.9	76.2	48	1.5	74.2	11.5	68	1.70	47	1.0	7.3	38	<0.5	15.9	<0.5
3208249	Drill Core	9.44	12	<3	6	6.1	71.1	60.0	48	1.2	58.2	11.0	138	1.66	39	0.9	7.3	29	<0.5	12.0	<0.5
3208250	Drill Core	7.21	9	<3	10	4.8	106.8	123.3	101	1.0	46.2	9.7	254	1.86	35	1.0	6.6	55	<0.5	9.6	<0.5
3208251	Drill Core	8.49	14	<3	9	5.1	108.9	88.6	82	0.7	35.2	9.6	16	0.91	21	1.1	7.2	64	0.9	6.5	<0.5
3208252	Drill Core	8.25	8	<3	<2	5.6	111.5	112.9	87	1.1	51.9	12.6	40	2.25	38	0.9	7.2	33	<0.5	8.6	<0.5
3208253	Drill Core	8.22	6	<3	<2	5.9	75.8	79.8	108	1.0	48.1	14.6	45	1.35	22	1.0	7.7	32	<0.5	8.7	<0.5
3208254	Drill Core	9.48	<2	15	29	5.6	106.1	61.8	122	0.8	52.5	11.5	105	1.41	17	1.0	7.6	35	<0.5	9.1	<0.5
3208255	Drill Core	7.80	2	<3	5	5.8	99.4	49.7	72	0.8	41.7	9.6	63	1.20	14	0.9	7.7	34	<0.5	8.9	<0.5
3208256	Drill Core	8.30	5	<3	4	6.7	105.4	68.0	69	1.0	63.5	11.7	63	1.83	32	1.0	7.2	39	<0.5	10.2	<0.5



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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	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01
3208227	Drill Core	10	0.12	0.021	4.9	4.3	0.08	171	0.012	0.25	<0.01	0.07	<0.5	0.13	1.0	<0.5	<0.05	<5	<2	91.00	4.05
3208228	Drill Core	25	0.09	0.058	10.2	7.9	0.18	322	0.002	0.35	<0.01	0.13	0.9	0.13	1.5	<0.5	0.48	<5	<2	84.40	5.38
3208229	Drill Core	18	0.24	0.129	7.9	7.1	0.14	274	0.002	0.28	<0.01	0.10	<0.5	<0.05	1.2	<0.5	0.45	<5	5	88.70	3.86
3208230	Drill Core	45	0.11	0.142	12.5	10.4	0.36	442	0.001	0.38	<0.01	0.11	<0.5	0.11	6.2	<0.5	0.51	<5	6	73.50	7.48
3208231	Drill Core	44	0.17	0.094	11.4	8.0	0.91	444	0.001	0.37	<0.01	0.13	<0.5	0.06	5.2	<0.5	1.06	<5	4	63.10	7.35
3208232	Drill Core	35	0.11	0.055	10.1	7.7	0.59	392	0.001	0.26	<0.01	0.12	<0.5	0.09	4.6	<0.5	0.82	<5	4	73.50	5.61
3208233	Drill Core	31	0.23	0.123	11.8	9.2	0.12	459	0.001	0.32	<0.01	0.15	<0.5	0.08	3.2	<0.5	0.96	<5	5	82.10	6.60
3208234	Rock Pulp	154	3.79	0.056	5.3	26.6	2.13	124	0.172	3.58	0.17	0.21	0.8	0.46	23.6	0.5	1.56	10	5	51.70	13.10
3208235	Drill Core	32	0.10	0.076	13.7	9.9	0.11	469	0.001	0.31	<0.01	0.13	<0.5	0.10	2.4	<0.5	0.79	<5	3	82.90	6.77
3208236	Drill Core	14	0.14	0.072	5.6	5.9	0.06	236	<0.001	0.15	<0.01	0.06	<0.5	<0.05	1.1	<0.5	0.26	<5	<2	92.40	2.45
3208237	Drill Core	24	0.14	0.077	5.1	8.6	0.17	334	0.001	0.17	<0.01	0.07	<0.5	0.11	1.9	<0.5	0.52	<5	<2	87.70	2.36
3208238	Rock	32	0.81	0.044	6.2	3.2	0.54	60	0.114	1.19	0.14	0.10	<0.5	<0.05	3.3	<0.5	<0.05	<5	<2	70.20	14.10
3208239	Drill Core	13	0.08	0.056	4.1	5.6	0.05	205	<0.001	0.13	<0.01	0.05	<0.5	0.11	0.6	<0.5	1.40	<5	5	90.70	2.10
3208240	Drill Core	15	0.11	0.061	4.2	6.3	0.06	215	<0.001	0.14	<0.01	0.05	<0.5	<0.05	0.8	<0.5	0.40	<5	4	92.90	2.00
3208241	Drill Core	31	0.15	0.056	4.0	7.9	0.33	244	<0.001	0.16	<0.01	0.06	<0.5	0.19	2.0	<0.5	0.83	<5	3	85.40	2.11
3208242	Drill Core	25	0.11	0.077	5.5	6.9	0.03	227	<0.001	0.15	<0.01	0.06	<0.5	0.10	1.7	<0.5	0.45	<5	<2	91.00	2.53
3208243	Drill Core	27	0.12	0.066	16.1	8.1	0.10	471	0.003	0.28	<0.01	0.13	<0.5	0.11	2.7	<0.5	1.09	<5	<2	80.30	7.76
3208244	Drill Core	42	0.17	0.099	20.0	7.9	0.06	640	0.002	0.39	<0.01	0.18	<0.5	0.29	1.7	0.7	2.29	<5	5	68.30	13.00
3208245	Drill Core	30	0.07	0.044	20.1	7.4	<0.01	483	0.001	0.31	<0.01	0.15	<0.5	0.24	1.7	0.5	1.45	<5	8	78.50	9.91
3208246	Drill Core	31	0.16	0.091	21.6	7.6	0.02	487	0.001	0.35	<0.01	0.14	<0.5	0.23	1.5	0.5	1.36	<5	6	78.20	10.30
3208247	Drill Core	29	0.09	0.038	20.5	6.8	0.13	494	0.001	0.32	<0.01	0.13	<0.5	0.18	2.3	<0.5	0.96	<5	6	78.10	9.85
3208248	Drill Core	34	0.15	0.070	21.8	7.6	0.03	615	0.002	0.42	<0.01	0.17	<0.5	0.29	1.5	0.7	1.58	<5	7	75.70	11.40
3208249	Drill Core	33	0.12	0.069	21.3	7.7	0.06	560	0.002	0.40	<0.01	0.17	<0.5	0.22	1.9	<0.5	1.28	<5	7	76.10	11.40
3208250	Drill Core	39	0.17	0.111	22.3	7.6	0.10	554	0.002	0.46	<0.01	0.15	<0.5	0.18	2.6	0.6	1.27	<5	6	77.70	10.00
3208251	Drill Core	34	0.13	0.095	24.9	8.7	<0.01	553	0.002	0.48	<0.01	0.16	<0.5	0.08	1.9	0.5	0.87	<5	4	78.00	11.10
3208252	Drill Core	37	0.10	0.073	23.9	8.7	0.03	669	0.002	0.42	<0.01	0.18	<0.5	0.20	2.5	0.6	2.11	<5	6	76.30	10.70
3208253	Drill Core	34	0.13	0.074	27.9	7.9	0.03	597	0.002	0.41	<0.01	0.17	<0.5	0.15	2.2	0.6	1.11	<5	7	77.10	11.30
3208254	Drill Core	33	0.14	0.077	26.8	9.9	0.06	707	0.002	0.44	<0.01	0.19	<0.5	0.13	2.3	0.6	1.01	<5	4	76.80	11.10
3208255	Drill Core	32	0.13	0.075	27.3	8.7	0.05	643	0.002	0.42	<0.01	0.18	<0.5	0.14	1.7	0.5	0.95	<5	3	77.00	11.50
3208256	Drill Core	34	0.17	0.081	24.3	9.2	0.04	659	0.002	0.44	<0.01	0.18	<0.5	0.19	2.0	0.5	1.70	<5	5	75.80	11.00



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Method Analyte Unit MDL		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000
		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
3208227	Drill Core	1.80	0.36	0.22	0.78	0.05	0.15	0.05	<0.01	0.11	<0.01	<0.01	<0.01	0.70	99.98	0.10	0.17	0.04	
3208228	Drill Core	4.09	0.13	0.50	1.31	0.08	0.28	0.12	<0.01	0.24	<0.01	<0.01	<0.01	3.50	100.13	1.00	1.63	0.45	
3208229	Drill Core	3.13	0.34	0.34	0.88	0.07	0.21	0.28	<0.01	0.22	0.01	<0.01	<0.01	2.11	100.25	0.47	0.78	0.44	
3208230	Drill Core	9.17	0.17	0.76	1.60	0.21	0.41	0.32	0.01	0.53	0.02	<0.01	0.03	5.47	99.84	2.44	1.77	0.48	
3208231	Drill Core	14.10	0.22	1.68	1.63	0.51	0.42	0.21	<0.01	0.54	0.01	<0.01	<0.01	9.62	99.56	6.86	3.22	0.99	
3208232	Drill Core	10.00	0.17	1.12	1.26	0.34	0.32	0.12	<0.01	0.42	<0.01	<0.01	<0.01	6.88	99.87	4.85	2.43	0.79	
3208233	Drill Core	4.14	0.31	0.33	1.45	0.08	0.36	0.27	<0.01	0.50	<0.01	<0.01	<0.01	3.38	99.66	0.72	1.17	0.93	
3208234	Rock Pulp	13.00	6.90	3.94	0.52	0.21	0.59	0.13	<0.01	0.03	0.09	0.02	0.54	5.45	98.96	2.40	0.96	1.57	
3208235	Drill Core	3.92	0.17	0.32	1.44	0.08	0.38	0.15	0.01	0.51	<0.01	0.02	<0.01	3.30	100.14	0.76	1.10	0.81	
3208236	Drill Core	2.14	0.22	0.14	0.52	0.06	0.13	0.16	<0.01	0.20	<0.01	0.01	<0.01	1.50	99.99	0.42	0.75	0.26	
3208237	Drill Core	4.52	0.23	0.33	0.49	0.13	0.12	0.17	<0.01	0.20	<0.01	0.01	<0.01	3.24	99.57	1.68	1.36	0.54	
3208238	Rock	3.49	2.49	1.08	1.92	0.12	0.37	0.10	<0.01	0.08	<0.01	<0.01	<0.01	1.21	99.67	0.27	0.11	<0.02	
3208239	Drill Core	3.26	0.17	0.14	0.45	0.05	0.11	0.12	<0.01	0.17	<0.01	0.04	<0.01	2.38	99.75	0.46	0.94	1.39	
3208240	Drill Core	2.10	0.19	0.14	0.43	0.05	0.11	0.13	<0.01	0.17	<0.01	0.03	<0.01	1.80	100.11	0.45	0.94	0.40	
3208241	Drill Core	6.55	0.20	0.57	0.44	0.20	0.10	0.14	<0.01	0.18	<0.01	0.02	<0.01	4.13	100.11	2.49	1.37	0.85	
3208242	Drill Core	3.03	0.18	0.10	0.53	0.05	0.12	0.16	<0.01	0.22	<0.01	0.02	<0.01	1.71	99.72	0.22	0.63	0.45	
3208243	Drill Core	4.22	0.20	0.33	1.74	0.07	0.46	0.16	0.01	0.60	<0.01	0.02	0.02	3.70	99.76	0.71	1.24	1.11	
3208244	Drill Core	4.91	0.29	0.36	2.95	0.05	0.66	0.22	0.02	1.01	<0.01	0.02	0.02	7.52	99.61	0.40	3.46	2.24	
3208245	Drill Core	2.68	0.14	0.23	2.16	0.03	0.54	0.11	0.01	0.72	<0.01	0.01	<0.01	4.56	99.81	0.05	1.74	1.45	
3208246	Drill Core	2.75	0.26	0.27	2.23	0.04	0.58	0.20	0.02	0.74	<0.01	0.02	<0.01	4.03	99.86	0.16	1.20	1.33	
3208247	Drill Core	3.27	0.13	0.42	2.06	0.07	0.54	0.15	0.02	0.73	<0.01	0.02	0.02	4.25	99.81	0.83	1.32	0.92	
3208248	Drill Core	2.65	0.22	0.30	2.53	0.03	0.64	0.18	0.02	0.85	<0.01	<0.01	<0.01	4.33	99.10	0.14	1.36	1.55	
3208249	Drill Core	2.69	0.21	0.37	2.53	0.04	0.64	0.16	0.02	0.82	<0.01	0.01	<0.01	4.10	99.34	0.33	1.34	1.26	
3208250	Drill Core	2.95	0.26	0.38	2.17	0.06	0.55	0.23	0.01	0.75	<0.01	0.02	<0.01	4.29	99.59	0.51	1.40	1.28	
3208251	Drill Core	1.65	0.21	0.28	2.40	0.03	0.60	0.21	0.01	0.82	0.01	0.01	<0.01	3.71	99.29	0.05	1.20	0.89	
3208252	Drill Core	3.40	0.20	0.31	2.42	0.03	0.60	0.16	0.01	0.82	<0.01	0.02	<0.01	4.40	99.63	0.18	1.24	2.01	
3208253	Drill Core	2.26	0.21	0.33	2.54	0.03	0.63	0.17	0.02	0.87	<0.01	0.02	0.01	3.95	99.69	0.12	1.37	1.12	
3208254	Drill Core	2.32	0.23	0.37	2.51	0.04	0.63	0.18	0.01	0.86	<0.01	0.01	0.01	4.09	99.41	0.26	1.41	0.97	
3208255	Drill Core	2.08	0.23	0.37	2.59	0.03	0.64	0.18	0.02	0.91	<0.01	0.01	<0.01	4.05	99.88	0.14	1.44	0.91	
3208256	Drill Core	2.94	0.23	0.33	2.47	0.03	0.62	0.19	0.02	0.89	<0.01	0.01	<0.01	4.38	99.17	0.17	1.50	1.70	



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Project:

MacMillan Pass

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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
3208257	Drill Core	6.89	<2	<3	<2	5.9	79.7	48.5	108	0.7	48.5	10.9	77	1.41	21	1.0	8.2	61	0.5	8.8	<0.5
3208258	Drill Core	6.97	<2	<3	<2	5.9	107.1	39.0	393	0.9	73.0	11.3	587	3.56	23	0.9	6.7	34	1.5	8.7	<0.5
3208259	Drill Core	6.85	7	3	<2	7.1	98.4	103.0	77	1.2	99.8	11.6	53	2.64	50	1.1	6.9	46	1.2	10.5	<0.5
3208260	Drill Core	3.11	7	<3	<2	7.6	74.9	66.7	59	1.1	77.4	8.5	43	1.82	30	1.1	6.0	45	1.3	9.9	<0.5
3208261	Drill Core	7.54	2	<3	<2	5.7	48.0	53.9	89	0.7	52.8	9.7	111	1.52	19	0.9	5.9	45	1.1	7.8	<0.5
3208262	Drill Core	6.91	<2	<3	<2	5.0	63.7	49.3	114	0.7	35.4	8.7	45	1.07	11	1.0	6.3	42	2.6	6.0	<0.5
3208263	Drill Core	8.36	<2	<3	<2	4.9	92.5	46.5	472	0.6	50.9	10.4	419	2.50	15	1.0	6.6	32	1.8	5.4	<0.5
3208264	Drill Core	8.41	<2	<3	<2	4.8	79.6	41.4	685	0.6	48.7	8.9	818	3.68	9	0.8	5.5	31	0.9	4.3	<0.5
3208265	Drill Core	10.19	<2	<3	<2	5.3	75.1	54.4	241	0.6	43.2	9.6	597	2.76	10	0.9	6.8	32	1.2	4.8	<0.5
3208266	Rock	1.16	<2	<3	<2	0.9	14.6	1.6	38	<0.5	2.8	5.7	630	2.07	<5	<0.5	1.6	28	<0.5	<0.5	<0.5
3208267	Drill Core	8.48	<2	<3	<2	4.6	70.4	45.8	492	0.5	40.5	8.6	917	3.72	9	0.9	6.5	30	0.7	4.1	<0.5
3208268	Drill Core	3.25	<2	<3	2	6.1	59.9	60.8	291	0.7	50.9	10.7	551	2.72	12	1.0	7.5	29	<0.5	5.5	<0.5
3208269	Drill Core	7.68	<2	<3	3	6.4	63.1	49.7	483	0.7	48.0	9.1	466	2.64	12	0.9	5.9	32	0.6	5.2	<0.5
3208270	Drill Core	6.92	7	<3	<2	5.7	61.2	54.8	322	0.7	65.1	11.1	373	2.38	19	1.0	7.5	38	0.8	5.5	<0.5
3208271	Drill Core	7.72	5	<3	4	5.4	57.6	48.7	380	0.8	56.8	10.1	374	2.46	17	1.0	7.1	30	0.6	5.0	<0.5
3208272	Drill Core	9.16	5	<3	9	5.5	73.9	51.5	477	0.8	47.9	9.3	698	3.44	13	0.9	6.6	32	<0.5	5.3	<0.5
3208273	Drill Core	7.51	3	<3	<2	5.9	65.4	64.9	319	0.7	44.7	9.4	211	1.83	13	0.9	6.8	43	1.1	5.0	<0.5
3208274	Drill Core	7.74	6	<3	<2	5.7	63.1	75.5	279	0.8	61.3	11.1	316	2.16	21	1.0	6.4	39	1.3	6.0	<0.5
3208275	Drill Core	7.36	4	<3	<2	6.1	61.3	49.9	475	0.8	58.0	10.0	269	1.84	14	1.0	7.2	33	0.9	5.3	<0.5
3208276	Rock Pulp	0.09	133	<3	<2	1.9	914.0	66.9	5307	2.2	17.0	37.9	1267	7.89	82	<0.5	0.7	68	14.8	4.4	<0.5
3208277	Drill Core	7.86	3	<3	<2	6.4	62.0	65.6	547	0.9	66.4	10.8	395	2.43	22	1.0	6.9	39	1.5	5.4	<0.5
3208278	Drill Core	8.14	8	<3	<2	7.0	88.7	61.8	397	1.0	74.9	11.3	808	4.00	20	1.0	6.7	39	0.8	6.1	<0.5
3208279	Drill Core	7.64	7	<3	<2	6.7	100.8	71.0	352	1.0	82.2	11.1	890	4.34	23	1.2	7.3	40	0.6	5.7	<0.5
3208280	Drill Core	7.59	6	<3	3	5.2	103.8	61.3	671	0.8	56.9	10.8	851	3.55	20	1.0	6.8	37	<0.5	5.3	<0.5
3208281	Drill Core	8.40	6	<3	5	7.7	137.5	67.5	382	0.9	73.6	9.8	764	3.08	27	0.9	6.8	41	0.6	5.3	<0.5
3208282	Drill Core	10.08	4	<3	4	5.0	74.7	53.1	178	0.8	53.4	8.6	596	2.43	18	1.1	6.6	48	<0.5	4.4	<0.5
3208283	Drill Core	9.24	2	<3	<2	6.3	41.4	50.2	140	0.8	59.3	10.3	370	1.63	21	1.1	7.1	40	0.9	5.5	<0.5
3208284	Drill Core	8.20	5	<3	3	5.6	82.0	48.7	218	0.8	58.6	11.6	374	2.05	21	1.0	6.8	38	0.8	5.4	<0.5
3208285	Drill Core	8.53	8	<3	5	5.4	52.9	51.2	938	0.8	59.1	10.5	364	2.31	18	1.0	6.9	36	0.6	5.3	<0.5
3208286	Drill Core	7.04	9	<3	4	5.8	133.7	97.2	497	0.9	80.1	11.7	1324	4.35	28	1.1	6.5	43	<0.5	6.8	<0.5



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Report Date: November 25, 2018

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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	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
3208257	Drill Core	29	0.18	0.109	28.3	8.4	0.04	581	0.002	0.40	<0.01	0.14	<0.5	0.19	2.3	0.6	1.20	<5	5	75.40	11.80
3208258	Drill Core	41	0.11	0.071	22.9	10.4	0.31	660	0.002	0.43	<0.01	0.17	<0.5	0.12	2.8	0.5	1.50	<5	3	72.90	10.70
3208259	Drill Core	36	0.13	0.078	23.4	10.2	0.04	713	0.002	0.48	<0.01	0.17	<0.5	0.26	2.3	0.5	2.65	<5	11	75.30	10.80
3208260	Drill Core	31	0.16	0.083	20.2	9.1	0.03	597	0.002	0.43	<0.01	0.19	<0.5	0.18	2.1	0.5	1.94	<5	6	75.70	11.10
3208261	Drill Core	31	0.16	0.074	19.2	6.4	0.07	520	0.007	0.46	<0.01	0.15	<0.5	0.09	2.2	<0.5	1.27	<5	<2	75.90	11.40
3208262	Drill Core	29	0.13	0.082	22.6	7.7	0.03	573	0.002	0.45	<0.01	0.16	<0.5	0.09	2.9	<0.5	1.00	<5	<2	76.80	11.70
3208263	Drill Core	39	0.16	0.078	21.5	7.4	0.16	612	0.002	0.47	<0.01	0.16	<0.5	0.06	3.4	<0.5	1.30	<5	4	73.20	11.60
3208264	Drill Core	48	0.16	0.062	21.8	8.1	0.36	615	0.002	0.41	<0.01	0.16	<0.5	<0.05	3.7	<0.5	1.04	<5	3	71.80	10.60
3208265	Drill Core	38	0.15	0.073	24.0	7.5	0.28	757	0.002	0.40	<0.01	0.18	<0.5	0.11	4.1	<0.5	0.99	<5	4	72.60	11.40
3208266	Rock	39	0.91	0.044	6.1	2.2	0.61	52	0.110	1.27	0.12	0.10	<0.5	<0.05	5.8	<0.5	<0.05	<5	<2	69.40	14.00
3208267	Drill Core	45	0.15	0.063	22.2	7.3	0.39	642	0.002	0.37	<0.01	0.16	<0.5	0.09	4.3	<0.5	1.08	<5	4	70.90	10.90
3208268	Drill Core	40	0.14	0.061	25.6	7.4	0.31	729	0.002	0.41	<0.01	0.16	<0.5	0.19	3.5	<0.5	1.07	<5	<2	72.80	11.50
3208269	Drill Core	41	0.14	0.063	22.5	7.9	0.19	700	0.002	0.40	<0.01	0.14	<0.5	0.10	2.8	<0.5	1.33	<5	4	74.10	10.70
3208270	Drill Core	36	0.19	0.082	24.0	8.2	0.16	673	0.002	0.46	<0.01	0.17	<0.5	0.12	3.0	<0.5	1.49	<5	4	73.70	11.50
3208271	Drill Core	34	0.13	0.063	22.8	7.1	0.15	662	0.002	0.41	<0.01	0.13	<0.5	0.09	3.6	<0.5	1.47	<5	3	74.00	11.50
3208272	Drill Core	46	0.16	0.065	20.0	6.8	0.32	540	0.002	0.36	<0.01	0.13	<0.5	0.11	3.7	<0.5	1.51	<5	<2	71.60	10.80
3208273	Drill Core	34	0.15	0.077	25.5	7.6	0.07	745	0.002	0.47	<0.01	0.14	<0.5	0.10	2.1	<0.5	1.30	<5	3	75.60	11.50
3208274	Drill Core	35	0.16	0.073	22.0	7.4	0.10	622	0.003	0.44	<0.01	0.15	<0.5	0.13	3.5	<0.5	1.52	<5	3	75.30	11.20
3208275	Drill Core	35	0.15	0.072	23.5	7.3	0.06	734	0.003	0.42	<0.01	0.18	<0.5	0.16	3.2	0.5	1.31	<5	3	75.40	11.40
3208276	Rock Pulp	154	3.61	0.055	4.7	23.9	2.13	118	0.161	3.43	0.13	0.18	1.0	0.48	23.1	0.5	1.58	11	3	51.40	13.10
3208277	Drill Core	35	0.17	0.076	23.2	7.9	0.12	715	0.002	0.41	<0.01	0.15	<0.5	0.12	3.9	0.5	1.75	<5	3	74.30	11.10
3208278	Drill Core	47	0.15	0.074	23.6	8.4	0.28	748	0.002	0.46	<0.01	0.15	<0.5	0.17	3.4	0.5	2.35	<5	<2	71.30	10.50
3208279	Drill Core	56	0.20	0.087	20.0	8.7	0.35	797	0.002	0.45	<0.01	0.16	<0.5	0.18	3.8	<0.5	2.48	<5	5	70.10	10.70
3208280	Drill Core	51	0.16	0.077	24.8	8.9	0.26	858	0.002	0.48	<0.01	0.16	<0.5	0.06	4.2	<0.5	1.83	<5	3	72.50	10.70
3208281	Drill Core	45	0.15	0.069	22.3	7.7	0.17	697	0.003	0.39	<0.01	0.14	<0.5	0.12	3.0	0.5	2.03	<5	3	72.30	11.20
3208282	Drill Core	42	0.15	0.080	21.2	8.8	0.04	782	0.002	0.45	<0.01	0.15	<0.5	0.15	3.6	<0.5	2.12	<5	6	74.70	10.90
3208283	Drill Core	38	0.10	0.068	24.6	7.8	0.02	767	0.002	0.47	<0.01	0.15	<0.5	0.16	3.0	<0.5	1.49	<5	3	75.10	11.80
3208284	Drill Core	37	0.17	0.079	24.9	7.2	0.02	830	0.002	0.48	<0.01	0.19	<0.5	0.14	3.0	0.6	2.00	<5	4	73.90	12.00
3208285	Drill Core	35	0.15	0.071	23.4	7.0	0.02	888	0.002	0.44	<0.01	0.17	<0.5	0.10	2.6	0.6	2.18	<5	3	73.90	11.40
3208286	Drill Core	37	0.15	0.068	19.1	7.1	0.03	716	0.002	0.44	<0.01	0.14	<0.5	0.12	3.4	0.6	4.01	<5	10	70.10	10.90



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Project: MacMillan Pass
Report Date: November 25, 2018

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CERTIFICATE OF ANALYSIS

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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
3208257	Drill Core	2.40	0.32	0.36	2.62	0.03	0.65	0.28	0.02	0.98	<0.01	0.01	0.01	4.32	99.45	0.18	1.37	1.18	
3208258	Drill Core	5.34	0.23	0.77	2.37	0.09	0.61	0.16	0.02	0.89	0.01	<0.01	0.04	5.62	100.00	1.54	1.72	1.49	
3208259	Drill Core	4.03	0.21	0.33	2.43	0.04	0.61	0.19	0.02	0.91	<0.01	<0.01	<0.01	4.98	100.14	0.07	1.39	2.54	
3208260	Drill Core	3.07	0.21	0.32	2.49	0.03	0.62	0.19	0.02	0.92	<0.01	<0.01	<0.01	4.49	99.45	0.04	1.46	1.96	
3208261	Drill Core	2.64	0.40	0.38	2.43	0.05	0.60	0.18	0.01	0.85	<0.01	<0.01	<0.01	3.72	99.29	0.12	1.26	1.30	
3208262	Drill Core	1.97	0.18	0.33	2.58	0.03	0.65	0.18	0.02	0.99	<0.01	<0.01	0.01	3.81	99.54	0.08	1.37	1.05	
3208263	Drill Core	4.17	0.23	0.55	2.54	0.08	0.64	0.19	0.02	0.99	<0.01	<0.01	0.05	5.03	99.57	0.96	1.72	1.34	
3208264	Drill Core	5.87	0.22	0.85	2.32	0.14	0.60	0.15	0.02	0.92	<0.01	<0.01	0.07	5.94	99.76	2.41	1.96	1.07	
3208265	Drill Core	4.59	0.23	0.74	2.53	0.11	0.65	0.17	0.02	1.02	<0.01	<0.01	0.03	5.35	99.71	1.56	1.81	1.02	
3208266	Rock	3.74	2.82	1.26	1.82	0.13	0.38	0.10	<0.01	0.07	<0.01	<0.01	<0.01	1.38	99.48	0.38	0.13	<0.02	
3208267	Drill Core	6.03	0.24	0.94	2.43	0.14	0.61	0.16	0.01	0.99	<0.01	<0.01	0.05	6.15	99.82	2.54	2.06	1.16	
3208268	Drill Core	4.51	0.20	0.74	2.57	0.10	0.64	0.14	0.02	1.08	<0.01	<0.01	0.03	5.32	99.93	1.46	1.83	1.09	
3208269	Drill Core	4.37	0.21	0.58	2.38	0.09	0.60	0.15	0.02	0.97	<0.01	<0.01	0.05	5.13	99.62	1.00	1.82	1.39	
3208270	Drill Core	3.88	0.27	0.52	2.55	0.07	0.64	0.20	0.02	1.05	<0.01	<0.01	0.03	4.79	99.49	0.70	1.63	1.57	
3208271	Drill Core	4.05	0.22	0.52	2.56	0.08	0.64	0.15	0.02	1.04	<0.01	<0.01	0.04	4.90	100.00	0.90	1.65	1.51	
3208272	Drill Core	5.51	0.24	0.77	2.38	0.12	0.60	0.17	0.01	0.98	<0.01	<0.01	0.05	5.82	99.30	1.73	1.91	1.58	
3208273	Drill Core	3.12	0.26	0.41	2.53	0.06	0.65	0.20	0.02	1.06	<0.01	<0.01	0.03	4.35	100.07	0.38	1.50	1.38	
3208274	Drill Core	3.59	0.22	0.44	2.45	0.07	0.62	0.18	0.02	1.02	<0.01	<0.01	0.03	4.72	100.12	0.58	1.60	1.54	
3208275	Drill Core	3.09	0.25	0.39	2.55	0.06	0.65	0.19	0.02	1.06	<0.01	<0.01	0.05	4.36	99.75	0.44	1.59	1.39	
3208276	Rock Pulp	12.80	6.87	3.89	0.51	0.21	0.59	0.13	<0.01	0.02	0.08	<0.01	0.54	5.71	98.56	2.40	0.96	1.68	
3208277	Drill Core	3.99	0.27	0.47	2.50	0.08	0.64	0.20	0.02	1.04	<0.01	<0.01	0.06	4.92	99.85	0.58	1.73	1.85	
3208278	Drill Core	6.28	0.27	0.70	2.35	0.14	0.60	0.18	0.02	0.99	<0.01	<0.01	0.04	6.07	99.68	1.76	1.86	2.30	
3208279	Drill Core	6.77	0.29	0.81	2.38	0.14	0.61	0.20	0.02	1.02	<0.01	<0.01	0.04	6.51	99.84	1.81	2.05	2.63	
3208280	Drill Core	5.68	0.26	0.72	2.39	0.13	0.61	0.18	0.02	1.04	<0.01	<0.01	0.07	5.77	100.33	1.69	1.88	1.91	
3208281	Drill Core	5.07	0.24	0.58	2.51	0.13	0.64	0.18	0.02	1.09	<0.01	<0.01	0.04	5.71	99.99	1.11	1.89	2.07	
3208282	Drill Core	3.99	0.26	0.36	2.42	0.11	0.61	0.19	0.02	1.06	<0.01	<0.01	0.02	4.68	99.60	0.44	1.40	2.24	
3208283	Drill Core	2.77	0.20	0.35	2.63	0.08	0.66	0.17	0.03	1.16	<0.01	<0.01	0.02	4.45	99.69	0.24	1.59	1.57	
3208284	Drill Core	3.44	0.25	0.37	2.65	0.08	0.68	0.19	0.02	1.19	<0.01	<0.01	0.03	4.75	99.86	0.27	1.53	2.06	
3208285	Drill Core	3.77	0.23	0.35	2.56	0.08	0.66	0.17	0.02	1.15	<0.01	<0.01	0.09	4.80	99.47	0.38	1.50	2.27	
3208286	Drill Core	6.72	0.25	0.34	2.37	0.20	0.62	0.18	0.01	1.03	<0.01	<0.01	0.05	6.26	99.32	0.68	1.55	4.09	



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Project: MacMillan Pass
Report Date: November 25, 2018

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CERTIFICATE OF ANALYSIS

WHI18000942.1

	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
3208287	Drill Core	5.25	8	<3	5	6.0	63.9	56.9	2768	0.8	88.2	12.0	550	2.82	23	1.0	7.8	31	<0.5	6.7	<0.5
3208288	Drill Core	7.78	6	<3	4	7.1	67.8	50.2	1410	0.7	70.1	12.1	605	2.55	24	0.9	7.1	38	<0.5	6.4	<0.5
3208289	Drill Core	8.17	<2	<3	<2	4.9	71.7	47.5	1935	0.6	59.6	9.5	450	3.32	19	0.9	6.5	35	<0.5	5.5	<0.5
3208290	Drill Core	4.46	2	5	11	4.8	56.2	44.0	185	0.7	55.5	9.3	266	2.48	19	1.1	6.2	34	<0.5	5.2	<0.5
3208291	Drill Core	6.43	9	<3	4	5.5	57.4	59.4	1832	0.9	87.6	11.8	533	2.43	27	0.9	7.2	36	<0.5	6.5	<0.5
3208292	Drill Core	6.21	9	<3	5	5.7	66.1	58.6	2974	0.8	79.5	11.7	555	2.84	29	0.8	7.0	32	<0.5	6.1	<0.5
3208293	Rock	1.09	<2	<3	<2	0.6	10.6	1.0	37	<0.5	1.5	4.7	576	2.03	<5	<0.5	1.8	30	<0.5	<0.5	<0.5
3208294	Drill Core	6.84	5	<3	4	5.1	67.2	43.1	6801	0.8	66.5	13.2	697	3.10	22	0.9	6.9	32	<0.5	5.6	<0.5
3208295	Drill Core	4.95	4	<3	6	3.9	63.2	51.4	2368	0.5	46.4	11.5	382	2.13	19	1.1	7.3	35	<0.5	5.9	<0.5
3208296	Drill Core	8.13	4	<3	4	5.0	57.9	53.4	125	0.6	55.9	11.0	98	2.48	27	1.0	7.9	48	<0.5	9.7	<0.5
3208297	Drill Core	6.23	5	<3	4	5.4	77.4	52.4	3447	0.7	73.7	13.5	387	2.25	31	0.9	8.2	30	<0.5	6.5	<0.5
3208298	Drill Core	7.34	4	<3	3	4.7	74.8	39.4	2592	0.7	57.4	13.4	516	2.20	23	0.9	8.4	32	<0.5	5.6	<0.5
3208299	Drill Core	9.58	4	<3	5	6.5	71.6	110.5	153	0.8	80.7	10.8	1000	5.35	42	1.1	6.5	66	<0.5	12.9	<0.5
3208300	Drill Core	8.68	4	<3	3	7.0	50.7	56.3	72	0.7	82.0	11.7	56	2.33	39	0.9	7.3	39	<0.5	8.5	<0.5
3208301	Drill Core	8.42	4	<3	3	6.7	67.7	42.2	161	0.6	64.9	12.1	104	1.95	35	1.0	7.1	36	<0.5	7.6	<0.5
3208302	Drill Core	2.83	3	<3	4	5.4	66.4	38.5	367	0.6	47.8	11.0	295	2.06	23	1.1	7.0	44	<0.5	5.0	<0.5
3208303	Drill Core	4.12	3	<3	4	4.6	94.6	52.6	430	0.6	54.2	10.1	428	4.99	26	0.8	6.7	36	<0.5	5.1	<0.5
3208304	Drill Core	7.98	6	<3	4	5.8	94.5	44.2	157	0.6	67.2	12.4	26	2.11	29	1.3	7.7	85	<0.5	6.9	<0.5
3208305	Drill Core	9.53	5	<3	3	6.8	61.6	73.5	105	0.7	81.2	10.9	33	8.54	50	1.5	6.0	119	<0.5	10.4	<0.5
3208306	Drill Core	8.80	6	<3	4	7.2	58.9	48.2	80	0.8	69.1	11.0	40	3.22	35	1.8	7.5	138	<0.5	11.4	<0.5
3208307	Drill Core	9.49	5	<3	5	6.2	55.5	43.6	231	0.8	57.4	11.1	22	2.21	27	1.9	7.4	75	<0.5	10.0	<0.5



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Project: MacMillan Pass
Report Date: November 25, 2018

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CERTIFICATE OF ANALYSIS

WHI18000942.1

	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
3208287	Drill Core	32	0.14	0.059	22.0	5.8	0.02	743	0.002	0.41	<0.01	0.15	<0.5	0.23	2.7	0.7	2.54	<5	<2	71.90	11.80
3208288	Drill Core	35	0.16	0.079	22.9	7.0	0.02	796	0.002	0.43	<0.01	0.15	<0.5	0.17	3.7	0.6	2.26	<5	5	72.80	11.60
3208289	Drill Core	36	0.15	0.064	20.4	7.8	0.02	715	0.002	0.40	<0.01	0.15	<0.5	0.08	3.4	0.6	3.16	<5	3	73.00	10.80
3208290	Drill Core	36	0.12	0.067	20.7	6.6	0.01	711	0.002	0.43	<0.01	0.14	<0.5	0.09	2.9	0.6	2.73	<5	2	74.60	10.90
3208291	Drill Core	33	0.14	0.073	24.0	7.4	0.02	876	0.002	0.44	<0.01	0.16	<0.5	0.14	2.8	0.7	2.20	<5	4	73.40	11.10
3208292	Drill Core	33	0.16	0.065	24.3	5.8	0.02	788	0.002	0.41	<0.01	0.16	<0.5	0.12	2.3	0.7	2.46	<5	6	72.50	11.50
3208293	Rock	32	0.90	0.047	5.4	3.2	0.57	57	0.105	1.20	0.12	0.08	<0.5	<0.05	4.9	<0.5	<0.05	<5	<2	69.30	14.10
3208294	Drill Core	30	0.14	0.075	23.2	8.1	0.02	863	0.002	0.43	<0.01	0.15	<0.5	0.15	3.1	0.7	2.41	<5	3	71.30	11.00
3208295	Drill Core	32	0.17	0.077	27.3	8.4	0.02	929	0.003	0.49	<0.01	0.19	<0.5	0.18	2.4	1.9	1.79	<5	2	73.60	11.60
3208296	Drill Core	30	0.14	0.071	27.4	8.2	0.01	880	0.002	0.48	<0.01	0.18	<0.5	0.25	1.5	1.7	2.75	<5	3	73.10	11.70
3208297	Drill Core	27	0.15	0.071	29.2	7.6	0.02	984	0.003	0.46	<0.01	0.19	<0.5	0.11	1.5	1.9	1.99	<5	3	72.60	11.80
3208298	Drill Core	26	0.17	0.080	27.4	7.4	0.02	892	0.002	0.43	<0.01	0.18	<0.5	0.14	1.5	1.3	1.75	<5	4	73.90	11.20
3208299	Drill Core	42	0.16	0.101	21.4	10.4	0.02	942	0.002	0.59	<0.01	0.20	<0.5	0.21	3.1	1.1	5.10	<5	6	68.70	11.00
3208300	Drill Core	32	0.14	0.070	28.3	9.9	0.02	1261	0.003	0.54	<0.01	0.22	<0.5	0.13	2.5	0.9	2.46	<5	4	73.80	11.70
3208301	Drill Core	33	0.13	0.065	28.1	9.7	0.02	1214	0.003	0.52	<0.01	0.22	<0.5	<0.05	2.8	0.9	1.98	<5	3	74.50	11.70
3208302	Drill Core	39	0.20	0.090	30.8	11.8	0.02	1492	0.004	0.63	0.02	0.26	<0.5	0.05	3.5	0.7	1.91	<5	3	74.60	11.50
3208303	Drill Core	34	0.13	0.065	22.7	9.2	0.02	942	0.003	0.47	<0.01	0.19	<0.5	<0.05	2.6	0.6	4.91	<5	5	70.20	10.70
3208304	Drill Core	36	0.08	0.077	29.9	9.7	0.02	1251	0.003	0.58	<0.01	0.23	<0.5	0.09	2.1	1.1	2.25	<5	6	74.30	11.80
3208305	Drill Core	39	0.04	0.074	20.6	10.2	0.01	455	0.003	0.53	<0.01	0.18	<0.5	0.20	2.3	2.3	9.01	<5	8	63.70	10.20
3208306	Drill Core	36	0.04	0.083	29.3	10.3	0.02	1165	0.003	0.59	<0.01	0.21	<0.5	0.20	2.2	1.8	3.47	<5	5	72.40	11.90
3208307	Drill Core	34	0.05	0.085	32.6	9.2	0.02	1213	0.003	0.59	<0.01	0.20	<0.5	<0.05	2.3	1.4	2.36	<5	5	74.10	12.10



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Project: MacMillan Pass
Report Date: November 25, 2018

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CERTIFICATE OF ANALYSIS

WHI18000942.1

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
3208287	Drill Core	4.60	0.21	0.36	2.65	0.10	0.66	0.15	0.02	1.19	<0.01	<0.01	0.27	5.42	99.67	0.65	2.71
3208288	Drill Core	4.12	0.24	0.36	2.57	0.11	0.65	0.18	0.01	1.16	<0.01	<0.01	0.14	5.21	99.46	0.54	2.30
3208289	Drill Core	5.24	0.22	0.34	2.40	0.09	0.62	0.17	0.02	1.12	<0.01	<0.01	0.19	5.38	99.89	0.57	3.28
3208290	Drill Core	4.08	0.22	0.34	2.41	0.07	0.62	0.18	0.02	1.11	<0.01	<0.01	0.02	4.82	99.66	0.19	2.88
3208291	Drill Core	3.95	0.21	0.34	2.48	0.09	0.63	0.16	0.01	1.16	<0.01	<0.01	0.18	4.98	99.00	0.50	2.36
3208292	Drill Core	4.68	0.23	0.37	2.59	0.10	0.66	0.16	0.02	1.20	<0.01	<0.01	0.30	5.32	100.00	0.75	2.52
3208293	Rock	3.65	2.69	1.19	1.89	0.11	0.37	0.09	<0.01	0.09	<0.01	<0.01	<0.01	1.45	99.40	0.31	<0.02
3208294	Drill Core	5.09	0.24	0.35	2.45	0.11	0.61	0.16	0.01	1.16	<0.01	<0.01	0.67	5.58	99.19	1.12	2.45
3208295	Drill Core	3.54	0.26	0.36	2.58	0.06	0.65	0.19	0.01	1.23	<0.01	<0.01	0.25	4.77	99.47	0.53	1.75
3208296	Drill Core	4.08	0.23	0.36	2.57	0.03	0.64	0.17	0.01	1.25	<0.01	<0.01	0.01	4.90	99.35	0.06	2.68
3208297	Drill Core	3.75	0.23	0.38	2.63	0.06	0.65	0.16	0.02	1.27	<0.01	<0.01	0.34	4.79	99.06	0.55	2.05
3208298	Drill Core	3.67	0.25	0.37	2.52	0.07	0.63	0.17	0.02	1.22	<0.01	0.01	0.26	4.49	99.13	0.56	1.86
3208299	Drill Core	7.45	0.27	0.33	2.28	0.13	0.59	0.23	0.02	1.09	<0.01	0.01	0.02	6.62	99.01	0.39	5.13
3208300	Drill Core	3.42	0.20	0.37	2.60	0.02	0.63	0.15	0.02	1.29	<0.01	0.01	0.01	4.56	99.08	0.04	2.44
3208301	Drill Core	2.96	0.21	0.37	2.58	0.03	0.65	0.15	0.02	1.34	<0.01	0.01	0.02	4.32	99.14	0.08	1.92
3208302	Drill Core	3.04	0.29	0.37	2.53	0.05	0.64	0.21	0.02	1.33	<0.01	<0.01	0.04	4.08	98.99	0.17	1.89
3208303	Drill Core	6.96	0.23	0.34	2.34	0.06	0.58	0.17	0.01	1.24	<0.01	<0.01	0.04	5.93	99.10	0.28	4.75
3208304	Drill Core	3.11	0.15	0.37	2.58	0.02	0.66	0.17	0.02	1.36	<0.01	<0.01	0.02	4.29	99.15	0.04	2.18
3208305	Drill Core	11.50	0.09	0.33	2.19	0.02	0.56	0.17	0.01	1.19	<0.01	<0.01	0.01	8.31	98.55	0.02	9.06
3208306	Drill Core	4.55	0.08	0.37	2.51	0.02	0.64	0.17	0.02	1.41	<0.01	0.01	<0.01	5.28	99.65	0.05	3.45
3208307	Drill Core	3.25	0.11	0.38	2.53	0.02	0.66	0.18	0.02	1.48	<0.01	<0.01	0.02	4.44	99.63	0.03	2.31



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QUALITY CONTROL REPORT

WHI18000942.1

	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
3208236	Drill Core	3.39	4	<3	4	1.6	26.2	28.5	29	<0.5	21.4	4.2	273	1.45	10	<0.5	1.2	18	<0.5	3.0	<0.5
3208270	Drill Core	6.92	7	<3	<2	5.7	61.2	54.8	322	0.7	65.1	11.1	373	2.38	19	1.0	7.5	38	0.8	5.5	<0.5
3208306	Drill Core	8.80	6	<3	4	7.2	58.9	48.2	80	0.8	69.1	11.0	40	3.22	35	1.8	7.5	138	<0.5	11.4	<0.5
Pulp Duplicates																					
3208227	Drill Core	3.98	100	<3	5	0.9	56.8	18.2	40	<0.5	2.2	1.6	183	1.19	118	<0.5	1.2	12	<0.5	3.8	<0.5
REP 3208227	QC																				
3208228	Drill Core	5.61	9	<3	3	6.2	33.7	23.2	61	<0.5	22.7	4.2	553	2.89	56	1.0	2.9	17	<0.5	3.4	<0.5
REP 3208228	QC		14	<3	5																
3208230	Drill Core	5.94	9	<3	3	2.8	150.1	53.9	282	1.0	18.3	3.4	1585	6.53	80	2.0	4.4	120	<0.5	7.4	<0.5
REP 3208230	QC		7	<3	3	3.2	150.0	54.7	292	1.1	17.7	3.2	1597	6.57	80	2.0	4.2	122	0.5	7.3	<0.5
3208231	Drill Core	6.95	6	<3	4	2.8	113.4	23.9	111	0.8	26.8	5.0	3998	10.15	35	1.0	4.3	44	<0.5	5.4	<0.5
REP 3208231	QC																				
3208233	Drill Core	5.51	9	<3	6	3.0	46.6	49.2	71	1.0	36.4	5.7	494	2.93	44	0.6	3.9	44	<0.5	7.7	<0.5
REP 3208233	QC																				
3208234	Rock Pulp	0.08	141	<3	6	1.9	939.0	66.6	5274	2.0	19.6	41.4	1327	8.12	85	<0.5	0.6	76	14.1	4.3	<0.5
REP 3208234	QC																				
3208241	Drill Core	7.51	4	<3	3	1.7	47.9	97.3	60	<0.5	30.8	4.8	1487	4.60	19	<0.5	1.0	25	<0.5	3.8	<0.5
REP 3208241	QC					1.6	48.1	95.9	55	<0.5	30.6	4.2	1440	4.58	20	<0.5	1.0	24	<0.5	3.7	<0.5
3208247	Drill Core	8.76	25	12	28	5.8	60.6	75.0	171	0.9	36.4	7.4	403	2.13	27	0.7	5.3	35	<0.5	8.3	<0.5
REP 3208247	QC																				
3208248	Drill Core	7.58	18	6	8	7.2	83.9	76.2	48	1.5	74.2	11.5	68	1.70	47	1.0	7.3	38	<0.5	15.9	<0.5
REP 3208248	QC		19	<3	6																
REP 3208258	QC																				
3208259	Drill Core	6.85	7	3	<2	7.1	98.4	103.0	77	1.2	99.8	11.6	53	2.64	50	1.1	6.9	46	1.2	10.5	<0.5
REP 3208259	QC		7	<3	<2																
3208264	Drill Core	8.41	<2	<3	<2	4.8	79.6	41.4	685	0.6	48.7	8.9	818	3.68	9	0.8	5.5	31	0.9	4.3	<0.5
REP 3208264	QC																				
3208265	Drill Core	10.19	<2	<3	<2	5.3	75.1	54.4	241	0.6	43.2	9.6	597	2.76	10	0.9	6.8	32	1.2	4.8	<0.5
REP 3208265	QC																				



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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
3208236	Drill Core	14	0.14	0.072	5.6	5.9	0.06	236	<0.001	0.15	<0.01	0.06	<0.5	<0.05	1.1	<0.5	0.26	<5	<2	92.40	2.45
3208270	Drill Core	36	0.19	0.082	24.0	8.2	0.16	673	0.002	0.46	<0.01	0.17	<0.5	0.12	3.0	<0.5	1.49	<5	4	73.70	11.50
3208306	Drill Core	36	0.04	0.083	29.3	10.3	0.02	1165	0.003	0.59	<0.01	0.21	<0.5	0.20	2.2	1.8	3.47	<5	5	72.40	11.90
Pulp Duplicates																					
3208227	Drill Core	10	0.12	0.021	4.9	4.3	0.08	171	0.012	0.25	<0.01	0.07	<0.5	0.13	1.0	<0.5	<0.05	<5	<2	91.00	4.05
REP 3208227	QC																				
3208228	Drill Core	25	0.09	0.058	10.2	7.9	0.18	322	0.002	0.35	<0.01	0.13	0.9	0.13	1.5	<0.5	0.48	<5	<2	84.40	5.38
REP 3208228	QC																				
3208230	Drill Core	45	0.11	0.142	12.5	10.4	0.36	442	0.001	0.38	<0.01	0.11	<0.5	0.11	6.2	<0.5	0.51	<5	6	73.50	7.48
REP 3208230	QC	45	0.13	0.138	11.9	9.5	0.36	432	0.001	0.37	<0.01	0.11	0.5	0.09	5.3	<0.5	0.51	<5	5		
3208231	Drill Core	44	0.17	0.094	11.4	8.0	0.91	444	0.001	0.37	<0.01	0.13	<0.5	0.06	5.2	<0.5	1.06	<5	4	63.10	7.35
REP 3208231	QC																				
3208233	Drill Core	31	0.23	0.123	11.8	9.2	0.12	459	0.001	0.32	<0.01	0.15	<0.5	0.08	3.2	<0.5	0.96	<5	5	82.10	6.60
REP 3208233	QC																			82.20	6.60
3208234	Rock Pulp	154	3.79	0.056	5.3	26.6	2.13	124	0.172	3.58	0.17	0.21	0.8	0.46	23.6	0.5	1.56	10	5	51.70	13.10
REP 3208234	QC																			51.60	13.20
3208241	Drill Core	31	0.15	0.056	4.0	7.9	0.33	244	<0.001	0.16	<0.01	0.06	<0.5	0.19	2.0	<0.5	0.83	<5	3	85.40	2.11
REP 3208241	QC	31	0.12	0.061	4.0	8.1	0.32	245	<0.001	0.15	<0.01	0.06	<0.5	0.08	2.2	<0.5	0.83	<5	<2		
3208247	Drill Core	29	0.09	0.038	20.5	6.8	0.13	494	0.001	0.32	<0.01	0.13	<0.5	0.18	2.3	<0.5	0.96	<5	6	78.10	9.85
REP 3208247	QC																			78.10	9.88
3208248	Drill Core	34	0.15	0.070	21.8	7.6	0.03	615	0.002	0.42	<0.01	0.17	<0.5	0.29	1.5	0.7	1.58	<5	7	75.70	11.40
REP 3208248	QC																				
REP 3208258	QC																			73.30	10.80
3208259	Drill Core	36	0.13	0.078	23.4	10.2	0.04	713	0.002	0.48	<0.01	0.17	<0.5	0.26	2.3	0.5	2.65	<5	11	75.30	10.80
REP 3208259	QC																				
3208264	Drill Core	48	0.16	0.062	21.8	8.1	0.36	615	0.002	0.41	<0.01	0.16	<0.5	<0.05	3.7	<0.5	1.04	<5	3	71.80	10.60
REP 3208264	QC																				
3208265	Drill Core	38	0.15	0.073	24.0	7.5	0.28	757	0.002	0.40	<0.01	0.18	<0.5	0.11	4.1	<0.5	0.99	<5	4	72.60	11.40
REP 3208265	QC																				



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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	0.01	-5.11	0.01	0.02	0.02	0.02	
3208236	Drill Core	2.14	0.22	0.14	0.52	0.06	0.13	0.16	<0.01	0.20	<0.01	0.01	<0.01	1.50	99.99	0.42	0.75	0.26		
3208270	Drill Core	3.88	0.27	0.52	2.55	0.07	0.64	0.20	0.02	1.05	<0.01	<0.01	0.03	4.79	99.49	0.70	1.63	1.57		
3208306	Drill Core	4.55	0.08	0.37	2.51	0.02	0.64	0.17	0.02	1.41	<0.01	0.01	<0.01	5.28	99.65	0.05	1.39	3.45		
Pulp Duplicates																				
3208227	Drill Core	1.80	0.36	0.22	0.78	0.05	0.15	0.05	<0.01	0.11	<0.01	<0.01	<0.01	0.70	99.98	0.10	0.17	0.04		
REP 3208227	QC																0.11			
3208228	Drill Core	4.09	0.13	0.50	1.31	0.08	0.28	0.12	<0.01	0.24	<0.01	<0.01	<0.01	3.50	100.13	1.00	1.63	0.45		
REP 3208228	QC																			
3208230	Drill Core	9.17	0.17	0.76	1.60	0.21	0.41	0.32	0.01	0.53	0.02	<0.01	0.03	5.47	99.84	2.44	1.77	0.48		
REP 3208230	QC																			
3208231	Drill Core	14.10	0.22	1.68	1.63	0.51	0.42	0.21	<0.01	0.54	0.01	<0.01	<0.01	9.62	99.56	6.86	3.22	0.99		
REP 3208231	QC																3.03	1.02		
3208233	Drill Core	4.14	0.31	0.33	1.45	0.08	0.36	0.27	<0.01	0.50	<0.01	<0.01	<0.01	3.38	99.66	0.72	1.17	0.93		
REP 3208233	QC	4.15	0.31	0.34	1.45	0.08	0.36	0.27	<0.01	0.51	<0.01	<0.01	<0.01	3.38	99.82	1.16		0.93		
3208234	Rock Pulp	13.00	6.90	3.94	0.52	0.21	0.59	0.13	<0.01	0.03	0.09	0.02	0.54	5.45	98.96	2.40	0.96	1.57		
REP 3208234	QC	13.00	6.92	3.94	0.52	0.21	0.59	0.13	<0.01	0.02	0.09	0.02	0.55	5.45	98.99					
3208241	Drill Core	6.55	0.20	0.57	0.44	0.20	0.10	0.14	<0.01	0.18	<0.01	0.02	<0.01	4.13	100.11	2.49	1.37	0.85		
REP 3208241	QC																			
3208247	Drill Core	3.27	0.13	0.42	2.06	0.07	0.54	0.15	0.02	0.73	<0.01	0.02	0.02	4.25	99.81	0.83	1.32	0.92		
REP 3208247	QC	3.30	0.13	0.44	2.06	0.07	0.55	0.14	0.02	0.72	<0.01	0.02	0.02	4.25	99.90					
3208248	Drill Core	2.65	0.22	0.30	2.53	0.03	0.64	0.18	0.02	0.85	<0.01	<0.01	<0.01	4.33	99.10	0.14	1.36	1.55		
REP 3208248	QC																			
REP 3208258	QC	4.66	0.22	0.68	2.39	0.08	0.60	0.16	0.02	0.90	<0.01	<0.01	0.03	5.32	99.39	1.33				
3208259	Drill Core	4.03	0.21	0.33	2.43	0.04	0.61	0.19	0.02	0.91	<0.01	<0.01	<0.01	4.98	100.14	0.07	1.39	2.54		
REP 3208259	QC																			
3208264	Drill Core	5.87	0.22	0.85	2.32	0.14	0.60	0.15	0.02	0.92	<0.01	<0.01	0.07	5.94	99.76	2.41	1.96	1.07		
REP 3208264	QC																1.97	1.12		
3208265	Drill Core	4.59	0.23	0.74	2.53	0.11	0.65	0.17	0.02	1.02	<0.01	<0.01	0.03	5.35	99.71	1.56	1.81	1.02		
REP 3208265	QC																1.59			



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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
3208267	Drill Core	8.48	<2	<3	<2	4.6	70.4	45.8	492	0.5	40.5	8.6	917	3.72	9	0.9	6.5	30	0.7	4.1	<0.5
REP 3208267	QC																				
3208275	Drill Core	7.36	4	<3	<2	6.1	61.3	49.9	475	0.8	58.0	10.0	269	1.84	14	1.0	7.2	33	0.9	5.3	<0.5
REP 3208275	QC					6.7	65.7	56.7	480	0.9	59.1	10.0	289	1.83	15	1.0	7.4	37	0.9	5.6	<0.5
3208280	Drill Core	7.59	6	<3	3	5.2	103.8	61.3	671	0.8	56.9	10.8	851	3.55	20	1.0	6.8	37	<0.5	5.3	<0.5
REP 3208280	QC		4	<3	2																
REP 3208292	QC		7	<3	4																
3208299	Drill Core	9.58	4	<3	5	6.5	71.6	110.5	153	0.8	80.7	10.8	1000	5.35	42	1.1	6.5	66	<0.5	12.9	<0.5
REP 3208299	QC																				
3208300	Drill Core	8.68	4	<3	3	7.0	50.7	56.3	72	0.7	82.0	11.7	56	2.33	39	0.9	7.3	39	<0.5	8.5	<0.5
REP 3208300	QC																				
Core Reject Duplicates																					
3208258	Drill Core	6.97	<2	<3	<2	5.9	107.1	39.0	393	0.9	73.0	11.3	587	3.56	23	0.9	6.7	34	1.5	8.7	<0.5
DUP 3208258	QC		10	<3	<2	4.9	93.7	36.9	319	0.9	66.0	10.4	453	3.08	23	0.9	6.8	31	1.1	9.0	<0.5
3208292	Drill Core	6.21	9	<3	5	5.7	66.1	58.6	2974	0.8	79.5	11.7	555	2.84	29	0.8	7.0	32	<0.5	6.1	<0.5
DUP 3208292	QC		8	<3	5	5.4	66.7	55.4	2885	0.8	79.2	12.2	519	2.78	26	0.7	6.6	33	<0.5	6.1	<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 COO1	Standard																				
STD COO1	Standard																				
STD GBM398-4-AR	Standard					906.7	3971.2	11634.0	5311	48.8	4277.2	1981.9	5205	3.80	<5	0.6	0.8	13	9.4	7.4	12.5
STD GBM398-4-AR	Standard					952.1	4051.6	12097.7	5368	50.3	4286.1	2118.7	5377	4.09	<5	0.7	0.9	14	9.2	7.2	13.4



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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 Ti ppm 0.5	AQ270 S % 0.05	AQ270 Ga ppm 5	AQ270 Se ppm 2	LF725 SiO2 % 0.01	LF725 Al2O3 % 0.01
3208267	Drill Core	45	0.15	0.063	22.2	7.3	0.39	642	0.002	0.37	<0.01	0.16	<0.5	0.09	4.3	<0.5	1.08	<5	4	70.90	10.90
REP 3208267	QC																			70.70	10.90
3208275	Drill Core	35	0.15	0.072	23.5	7.3	0.06	734	0.003	0.42	<0.01	0.18	<0.5	0.16	3.2	0.5	1.31	<5	3	75.40	11.40
REP 3208275	QC	34	0.16	0.078	26.9	8.5	0.07	763	0.002	0.47	<0.01	0.17	<0.5	0.13	2.7	<0.5	1.30	<5	3		
3208280	Drill Core	51	0.16	0.077	24.8	8.9	0.26	858	0.002	0.48	<0.01	0.16	<0.5	0.06	4.2	<0.5	1.83	<5	3	72.50	10.70
REP 3208280	QC																			72.20	10.70
REP 3208292	QC																				
3208299	Drill Core	42	0.16	0.101	21.4	10.4	0.02	942	0.002	0.59	<0.01	0.20	<0.5	0.21	3.1	1.1	5.10	<5	6	68.70	11.00
REP 3208299	QC																				
3208300	Drill Core	32	0.14	0.070	28.3	9.9	0.02	1261	0.003	0.54	<0.01	0.22	<0.5	0.13	2.5	0.9	2.46	<5	4	73.80	11.70
REP 3208300	QC																			73.80	11.80
Core Reject Duplicates																					
3208258	Drill Core	41	0.11	0.071	22.9	10.4	0.31	660	0.002	0.43	<0.01	0.17	<0.5	0.12	2.8	0.5	1.50	<5	3	72.90	10.70
DUP 3208258	QC	38	0.11	0.073	22.7	9.8	0.23	651	0.002	0.42	<0.01	0.17	<0.5	0.20	2.5	<0.5	1.45	<5	<2	73.30	10.80
3208292	Drill Core	33	0.16	0.065	24.3	5.8	0.02	788	0.002	0.41	<0.01	0.16	<0.5	0.12	2.3	0.7	2.46	<5	6	72.50	11.50
DUP 3208292	QC	32	0.15	0.065	25.0	6.7	0.02	759	0.002	0.42	<0.01	0.16	<0.5	0.12	2.9	0.7	2.41	<5	3	72.00	11.50
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 COO1	Standard																				
STD COO1	Standard																				
STD GBM398-4-AR	Standard	28	0.34	0.019	2.9	1937.7	0.13	17	0.113	0.50	0.25	0.10	3.0	3.23	2.7	<0.5	0.96	<5	<2		
STD GBM398-4-AR	Standard	22	0.31	0.018	2.5	2066.3	0.13	19	0.113	0.52	0.27	0.11	2.8	3.11	1.4	<0.5	0.95	<5	4		



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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
3208267	Drill Core	6.03	0.24	0.94	2.43	0.14	0.61	0.16	0.01	0.99	<0.01	<0.01	0.05	6.15	99.82	2.54	2.06	1.16
REP 3208267	QC	6.02	0.23	0.94	2.42	0.14	0.60	0.16	0.02	0.99	<0.01	<0.01	0.05	6.15	99.60			
3208275	Drill Core	3.09	0.25	0.39	2.55	0.06	0.65	0.19	0.02	1.06	<0.01	<0.01	0.05	4.36	99.75	0.44	1.59	1.39
REP 3208275	QC																	
3208280	Drill Core	5.68	0.26	0.72	2.39	0.13	0.61	0.18	0.02	1.04	<0.01	<0.01	0.07	5.77	100.33	1.69	1.88	1.91
REP 3208280	QC	5.67	0.26	0.71	2.37	0.13	0.61	0.18	0.02	1.03	<0.01	<0.01	0.07	5.77	100.00			
REP 3208292	QC																	
3208299	Drill Core	7.45	0.27	0.33	2.28	0.13	0.59	0.23	0.02	1.09	<0.01	0.01	0.02	6.62	99.01	0.39	1.53	5.13
REP 3208299	QC																1.50	4.93
3208300	Drill Core	3.42	0.20	0.37	2.60	0.02	0.63	0.15	0.02	1.29	<0.01	0.01	0.01	4.56	99.08	0.04	1.51	2.44
REP 3208300	QC	3.45	0.20	0.37	2.60	0.02	0.63	0.15	0.02	1.32	<0.01	0.01	<0.01	4.56	99.25	0.05		
Core Reject Duplicates																		
3208258	Drill Core	5.34	0.23	0.77	2.37	0.09	0.61	0.16	0.02	0.89	0.01	<0.01	0.04	5.62	100.00	1.54	1.72	1.49
DUP 3208258	QC	4.67	0.22	0.67	2.40	0.08	0.60	0.16	0.02	0.90	<0.01	<0.01	0.03	5.62	99.71	1.26	1.65	1.49
3208292	Drill Core	4.68	0.23	0.37	2.59	0.10	0.66	0.16	0.02	1.20	<0.01	<0.01	0.30	5.32	100.00	0.75	1.58	2.52
DUP 3208292	QC	4.54	0.22	0.35	2.58	0.10	0.65	0.16	0.02	1.19	<0.01	<0.01	0.29	5.30	99.23	0.72	1.56	2.50
Reference Materials																		
STD COO1	Standard																2.03	
STD COO1	Standard																2.39	
STD COO1	Standard																2.22	
STD COO1	Standard																2.18	
STD COO1	Standard																2.31	
STD COO1	Standard																2.26	
STD COO1	Standard																2.39	
STD COO1	Standard																2.28	
STD COO1	Standard																2.37	
STD COO1	Standard																2.26	
STD GBM398-4-AR	Standard																	
STD GBM398-4-AR	Standard																	



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		WGHT	FA330	FA330	FA330	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb
		kg	ppb	ppb	ppb	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
STD GBM398-4-AR	Standard					946.5	3727.8	11703.0	4897	48.9	3993.6	1925.5	5069	3.67	8	0.7	0.9	14	9.0	7.3
STD GBM398-4-AR	Standard					911.0	3990.3	11384.9	5274	50.4	4133.6	2094.9	5215	3.76	6	0.6	0.8	13	9.6	6.9
STD GBM398-4-AR	Standard					933.0	3893.2	11911.9	5241	49.2	4102.5	1970.1	5333	3.59	7	0.7	0.9	12	10.2	7.3
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					7.9	316.8	17797.6	28248	55.7	37.6	29.3	4107	9.41	1000	9.5	11.1	29	69.1	41.6
STD OREAS133B(D)	Standard																			
STD OREAS133B(D)	Standard																			
STD OREAS133B(D)	Standard																			
STD OREAS133B(D)	Standard																			
STD OREAS133B(D)	Standard																			
STD OREAS605	Standard					4.8	50969.0	888.6	2153	951.9	1554.8	92.9	82	3.60	1660	1.0	2.4	52	14.0	292.4
STD OREAS72B	Standard																			
STD OREAS72B	Standard																			
STD OREAS72B	Standard																			
STD OREAS72B	Standard																			
STD OREAS72B	Standard																			
STD OREAS927-AR	Standard					1.1	10554.8	217.4	726	4.6	30.9	30.7	1125	8.47	14	1.7	12.6	14	0.8	1.2
STD OREAS927-AR	Standard					1.3	11119.7	224.0	722	5.6	32.4	31.2	1153	8.12	12	1.7	12.7	14	1.1	1.3
STD OREAS927-AR	Standard					1.1	11225.9	239.1	700	4.1	30.1	30.8	1099	8.00	14	1.9	12.7	13	1.0	1.5
STD OREAS927-AR	Standard					1.1	10886.4	222.4	719	4.3	31.5	32.0	1046	7.95	14	1.8	12.3	13	1.2	1.4
STD PD05	Standard		504	429	603															
STD PD05	Standard		508	414	593															



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		AQ270 V ppm	AQ270 Ca %	AQ270 P %	AQ270 La ppm	AQ270 Cr ppm	AQ270 Mg %	AQ270 Ba ppm	AQ270 Ti %	AQ270 Al %	AQ270 Na %	AQ270 K %	AQ270 W ppm	AQ270 Hg ppm	AQ270 Sc ppm	AQ270 Tl ppm	AQ270 S %	AQ270 Ga ppm	AQ270 Se ppm	LF725 SiO2 %	LF725 Al2O3 %
		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 GBM398-4-AR	Standard	38	0.32	0.019	2.4	1940.3	0.12	19	0.108	0.49	0.25	0.10	3.0	3.02	1.5	<0.5	0.93	<5	<2		
STD GBM398-4-AR	Standard	25	0.33	0.018	2.5	2023.9	0.11	19	0.111	0.46	0.24	0.09	3.0	3.17	2.0	<0.5	0.95	<5	3		
STD GBM398-4-AR	Standard	22	0.32	0.020	2.5	1961.4	0.13	20	0.106	0.44	0.24	0.11	2.2	3.09	1.6	<0.5	0.96	<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	33	1.90	0.094	42.4	24.5	0.85	471	0.029	1.12	0.02	0.54	3.1	1.29	5.0	6.5	7.28	5	5		
STD OREAS133B(D)	Standard																			33.60	6.84
STD OREAS133B(D)	Standard																			33.80	6.81
STD OREAS133B(D)	Standard																			33.60	6.81
STD OREAS133B(D)	Standard																			33.60	6.81
STD OREAS133B(D)	Standard																			33.60	6.85
STD OREAS605	Standard	<10	0.16	0.012	7.5	27.0	0.03	127	0.009	0.72	0.03	0.12	6.9	1.69	1.8	15.7	8.01	7	76		
STD OREAS72B	Standard																			51.40	8.99
STD OREAS72B	Standard																			51.40	8.92
STD OREAS72B	Standard																			51.30	8.99
STD OREAS72B	Standard																			51.30	8.99
STD OREAS72B	Standard																			51.30	8.94
STD OREAS927-AR	Standard	34	0.27	0.053	28.2	43.5	1.95	52	0.093	3.26	<0.01	0.30	5.4	0.09	4.8	<0.5	1.81	10	19		
STD OREAS927-AR	Standard	36	0.29	0.054	29.0	42.1	1.92	49	0.090	3.28	<0.01	0.27	5.1	0.18	4.8	<0.5	1.74	9	16		
STD OREAS927-AR	Standard	33	0.30	0.049	28.2	42.3	1.91	47	0.089	3.29	<0.01	0.26	4.8	0.11	3.5	<0.5	1.72	9	16		
STD OREAS927-AR	Standard	34	0.28	0.053	26.3	41.2	1.90	46	0.080	3.21	<0.01	0.29	5.4	0.15	6.0	<0.5	1.73	9	17		
STD PD05	Standard																				
STD PD05	Standard																				



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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	
		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
STD GBM398-4-AR	Standard																		
STD GBM398-4-AR	Standard																		
STD GBM398-4-AR	Standard																		
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																		
STD OREAS133B(D)	Standard	11.50	5.30	3.69	3.44	0.16	0.25	0.10	<0.01	0.07	0.03	5.03	11.33	13.00	97.51		0.98	2.33	
STD OREAS133B(D)	Standard	11.50	5.33	3.69	3.46	0.17	0.24	0.10	<0.01	0.06	0.03	5.01	11.33	13.00	97.71		0.99	2.48	
STD OREAS133B(D)	Standard	11.50	5.30	3.71	3.44	0.15	0.22	0.09	<0.01	0.07	0.03	5.02	11.33	13.00	97.38		1.05	2.21	
STD OREAS133B(D)	Standard	11.50	5.32	3.72	3.44	0.16	0.23	0.10	<0.01	0.07	0.03	5.06	11.33	13.00	97.55		1.10	2.19	
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	97.58		2.64	8.17	
STD OREAS605	Standard																		
STD OREAS72B	Standard	9.91	3.98	15.80	1.32	0.15	0.35	0.06	0.15	0.03	0.02	<0.01	0.01	5.12	98.61		2.65	8.65	
STD OREAS72B	Standard	9.85	4.00	15.80	1.33	0.16	0.35	0.06	0.15	0.03	0.01	<0.01	0.01	5.12	98.52		2.76	8.31	
STD OREAS72B	Standard	9.87	3.98	15.90	1.32	0.14	0.34	0.05	0.15	0.03	0.02	<0.01	0.01	5.12	98.55		2.90	8.21	
STD OREAS72B	Standard	9.87	3.99	15.80	1.31	0.15	0.35	0.06	0.15	0.03	0.02	<0.01	<0.01	5.12	98.46				
STD OREAS72B	Standard	9.86	3.98	15.90	1.32	0.15	0.36	0.06	0.15	0.03	0.02	<0.01	<0.01	5.12	98.50				
STD OREAS927-AR	Standard																		
STD OREAS927-AR	Standard																		
STD OREAS927-AR	Standard																		
STD OREAS927-AR	Standard																		
STD PD05	Standard																		
STD PD05	Standard																		



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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 PD05	Standard		527	445	621																
STD PD05	Standard		500	413	596																
STD PG04	Standard		1015	952	1242																
STD PG04	Standard		1032	951	1251																
STD PG04	Standard		940	868	1154																
STD SY-4(D)	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	282	17000	28000	55.2	33.7	28	3960	8.97	883	8.89	9.67		61	38	4.35
STD OREAS605 Expected						4.75	49800	856	2170	984	1538	93	86	3.75	1613	0.95			12.9	228	16.7
STD PG04 Expected			1004	903	1196																
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 GS311-1 Expected																					
STD GS910-4 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 COO1 Expected																					
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					
STD PD05 Expected			519	430	596																
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
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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 PD05	Standard																				
STD PD05	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	20.60
STD SY-4(D)	Standard																			49.50	20.60
STD SY-4(D)	Standard																			49.60	20.70
STD SY-4(D)	Standard																			49.60	20.70
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 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 PG04 Expected																					
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 GS311-1 Expected																					
STD GS910-4 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 COO1 Expected																					
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 PD05 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC006	TC000	TC000	
		Fe2O3	CaO	MgO	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	CO2	TOT/C	TOT/S	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.02	0.02	0.02
STD PD05	Standard																		
STD PD05	Standard																		
STD PG04	Standard																		
STD PG04	Standard																		
STD PG04	Standard																		
STD SY-4(D)	Standard	6.20	7.99	0.52	1.65	0.11	0.30	0.16	<0.01	0.03	<0.01	0.01	0.03	4.56	98.83				
STD SY-4(D)	Standard	6.17	8.01	0.52	1.66	0.11	0.29	0.17	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.84				
STD SY-4(D)	Standard	6.21	8.01	0.51	1.66	0.11	0.28	0.16	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.65				
STD SY-4(D)	Standard	6.21	8.02	0.53	1.66	0.11	0.29	0.17	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.85				
STD SY-4(D)	Standard	6.16	7.97	0.53	1.65	0.11	0.30	0.18	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.73				
STD OREAS135 Expected																			
STD OREAS605 Expected																			
STD PG04 Expected																			
STD OREAS927-AR Expected																			
STD GS311-1 Expected																	1.02	2.35	
STD GS910-4 Expected																	2.65	8.27	
STD GBM398-4-AR Expected																			
STD COO1 Expected																	2.37		
STD SY-4(D) Expected		6.21	0.54		1.66	0.108	0.287	0.131	0.0345			4.56							
STD OREAS72B Expected		9.724	3.96	15.933	1.313	0.13	0.355	0.061	0.142	0.0335	0.0193	5.12							
STD OREAS133B(D) Expected		11.67	5.4	3.73							0.08	0.032	5.06	11.35					
STD PD05 Expected																			
BLK	Blank																<0.02	<0.02	
BLK	Blank																0.04		
BLK	Blank																<0.02	<0.02	
BLK	Blank																<0.02	<0.02	
BLK	Blank																0.03		
BLK	Blank																0.03		
BLK	Blank																0.02		



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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
BLK	Blank		3	<3	3																
BLK	Blank		<2	<3	3																
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		<2	<3	<2																
BLK	Blank		<2	<3	<2																
BLK	Blank		<2	<3	<2																
BLK	Blank		<2	<3	<2																
BLK	Blank					<0.5	<0.5	1.3	<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																				
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
SI BLK	Blank																				
BLK	Blank																				
BLK	Blank					<0.5	0.6	1.3	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5
BLK	Blank																				
SI BLK	Blank																				
BLK	Blank		3	<3	<2																
Prep Wash																					
ROCK-WHI	Prep Blank		2	<3	<2	1.3	5.8	1.4	36	<0.5	1.3	4.3	638	2.14	<5	0.5	2.4	32	<0.5	<0.5	<0.5
ROCK-WHI	Prep Blank		3	<3	<2	1.2	3.6	1.7	38	<0.5	1.1	4.1	617	2.11	<5	<0.5	2.3	29	<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
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<10	<0.01	0.002	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	0.9	<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																				
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		
SI BLK	Blank																				
SI BLK	Blank																				
SI BLK	Blank																				
BLK	Blank	<10	<0.01	0.002	<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																				
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																				
SI BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	26	0.85	0.048	7.1	3.2	0.48	75	0.085	1.26	0.20	0.13	<0.5	<0.05	5.8	<0.5	0.12	<5	<2	69.90	14.00
ROCK-WHI	Prep Blank	24	0.78	0.046	6.4	3.0	0.47	67	0.083	1.13	0.15	0.11	<0.5	<0.05	3.6	<0.5	<0.05	<5	<2	70.50	14.00



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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
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
SI BLK	Blank	0.02	0.02	0.01	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	98.85			
SI BLK	Blank	0.02	0.01	0.02	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.85			
SI BLK	Blank	0.03	0.03	0.02	0.02	0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.11			
BLK	Blank																	
SI BLK	Blank	0.02	0.03	0.02	<0.01	0.02	0.02	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.00	99.37			
BLK	Blank																<0.02	<0.02
BLK	Blank																	
BLK	Blank																<0.02	
SI BLK	Blank	0.01	<0.01	0.03	0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.38			
BLK	Blank																	
Prep Wash																		
ROCK-WHI	Prep Blank	3.46	2.55	0.94	1.95	0.11	0.36	0.10	<0.01	0.08	<0.01	<0.01	<0.01	1.05	98.87	0.26	0.12	0.02
ROCK-WHI	Prep Blank	3.43	2.48	0.93	1.87	0.11	0.38	0.10	<0.01	0.08	<0.01	<0.01	<0.01	1.16	99.52	0.25	0.11	0.03