



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
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CERTIFICATE OF ANALYSIS

WHI18000938.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ18-BV-023
P.O. Number
Number of Samples: 54

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	51	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	3	Sort, label and box pulps			WHI
CRUBW	51	Extra clean rock wash between samples in crusher			WHI
PULSW	51	Extra Wash with Silica between each sample			WHI
FA330	54	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
EN002	54	Environmental disposal charge-Fire assay lead waste			VAN
AQ270	54	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	54	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC006	54	15% HClO4 leach, CO2 analysis by Leco	0.2	Completed	VAN
TC003	54	Analysis by Leco	0.1	Completed	VAN
SHP01	54	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
3207089	Drill Core	13.96	26	<3	3	3.3	224.5	33.7	7	0.7	40.9	10.1	48	4.68	74	1.4	3.9	28	<0.5	6.9	<0.5
3207090	Drill Core	7.32	7	<3	5	1.2	67.9	15.2	<5	0.8	14.1	4.4	49	4.93	19	0.5	1.2	6	<0.5	2.6	<0.5
3207091	Rock Pulp	0.09	134	3	5	1.7	926.5	68.7	5238	2.0	19.4	34.1	1193	7.79	83	<0.5	0.7	68	13.9	4.5	<0.5
3207092	Drill Core	6.07	7	<3	<2	0.9	69.4	18.2	<5	0.7	17.2	6.6	55	5.13	14	0.7	1.3	6	<0.5	3.1	<0.5
3207093	Drill Core	6.19	6	<3	<2	0.8	23.6	12.7	<5	<0.5	10.1	4.2	38	0.67	14	0.5	1.4	<5	<0.5	1.8	<0.5
3207094	Drill Core	3.47	5	<3	<2	0.8	36.3	14.5	<5	<0.5	11.6	5.2	34	1.13	10	0.8	1.3	<5	<0.5	2.8	<0.5
3207095	Drill Core	4.13	10	<3	4	0.7	23.5	17.9	<5	<0.5	12.7	5.1	37	0.82	32	1.2	1.6	7	<0.5	2.1	<0.5
3207096	Drill Core	4.66	18	3	3	1.3	32.0	23.3	<5	<0.5	15.4	6.6	29	0.90	78	1.6	1.8	9	<0.5	3.2	<0.5
3207097	Drill Core	2.29	11	<3	3	1.0	67.4	31.5	<5	1.1	26.9	9.5	34	1.32	19	1.9	1.8	9	<0.5	4.4	<0.5
3207098	Drill Core	5.83	7	<3	3	0.8	86.4	22.8	<5	<0.5	12.0	5.0	38	0.91	18	1.7	1.8	9	<0.5	2.6	<0.5
3207099	Drill Core	6.75	9	6	4	1.7	108.4	22.2	<5	0.8	27.0	7.4	33	0.93	17	1.4	3.1	14	<0.5	5.8	<0.5
3207100	Rock	1.10	3	<3	<2	0.6	6.0	1.6	39	<0.5	2.0	5.1	621	2.01	<5	<0.5	1.9	29	<0.5	<0.5	<0.5
3207101	Drill Core	5.74	5	<3	<2	0.8	80.9	13.3	<5	<0.5	11.2	4.2	31	0.73	10	1.3	1.2	9	<0.5	2.4	<0.5
3207102	Drill Core	7.21	4	<3	<2	0.6	83.3	12.7	<5	<0.5	11.6	4.2	30	0.59	8	1.3	1.3	9	<0.5	2.1	<0.5
3207103	Drill Core	3.95	6	<3	4	0.9	319.1	18.5	<5	<0.5	12.5	5.0	29	0.79	10	2.1	1.5	14	<0.5	2.4	<0.5
3207104	Drill Core	3.59	4	<3	2	0.6	91.1	11.5	<5	0.6	11.4	4.7	38	0.74	10	1.0	1.1	9	<0.5	1.8	<0.5
3207105	Drill Core	7.18	8	4	<2	0.8	133.7	23.0	<5	0.8	21.4	5.9	28	1.04	14	2.3	1.2	14	<0.5	2.8	<0.5
3207106	Drill Core	4.52	5	4	3	0.7	58.8	18.6	<5	<0.5	7.8	3.4	26	0.46	8	2.4	1.4	16	<0.5	1.7	<0.5
3207107	Drill Core	5.74	5	<3	3	1.0	86.2	15.3	<5	<0.5	15.0	6.9	31	0.55	16	2.0	1.7	26	<0.5	1.9	<0.5
3207108	Drill Core	6.67	5	<3	<2	0.8	91.9	27.8	<5	<0.5	14.5	4.8	28	0.54	15	6.4	1.5	27	<0.5	2.0	<0.5
3207109	Drill Core	6.96	4	<3	3	0.9	105.3	16.8	<5	<0.5	11.8	4.7	29	0.49	13	4.1	1.7	26	<0.5	2.1	<0.5
3207110	Drill Core	6.05	6	<3	3	1.3	170.1	15.9	7	<0.5	28.6	8.6	39	0.92	17	4.4	1.7	19	<0.5	3.0	<0.5
3207111	Drill Core	7.12	5	<3	6	0.8	253.7	9.0	<5	<0.5	18.1	6.3	35	0.96	14	3.1	1.3	14	<0.5	2.6	<0.5
3207112	Drill Core	7.05	4	<3	<2	0.8	88.1	7.2	8	<0.5	18.6	5.9	35	0.61	19	1.9	1.1	10	<0.5	2.2	<0.5
3207113	Drill Core	6.26	11	<3	2	1.7	135.6	6.7	19	<0.5	29.4	7.2	32	0.78	122	2.6	1.1	9	<0.5	3.4	<0.5
3207114	Drill Core	7.49	16	<3	3	1.2	93.1	5.4	19	<0.5	25.5	4.3	1933	5.94	167	2.8	1.0	10	<0.5	2.6	<0.5
3207115	Drill Core	7.28	38	<3	3	1.5	159.1	6.1	22	<0.5	32.2	5.3	1512	4.92	433	3.5	1.1	10	<0.5	2.8	<0.5
3207116	Rock	1.17	3	<3	<2	0.8	10.9	1.6	36	<0.5	1.6	5.7	673	2.28	<5	<0.5	2.1	35	<0.5	<0.5	<0.5
3207117	Drill Core	7.78	5	<3	2	<0.5	56.3	12.5	256	<0.5	17.9	4.2	2713	8.46	20	1.3	0.9	8	1.5	2.6	<0.5
3207118	Drill Core	7.26	16	<3	<2	<0.5	47.6	5.4	10	<0.5	17.5	4.4	2767	8.86	176	0.7	0.9	6	<0.5	2.4	<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	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
3207089	Drill Core	14	<0.01	0.020	15.4	9.3	<0.01	738	0.002	0.30	<0.01	0.14	1.7	<0.05	4.0	<0.5	4.96	<5	3	76.20	7.87			
3207090	Drill Core	<10	<0.01	0.005	6.6	6.8	<0.01	286	0.001	0.14	<0.01	0.08	3.1	<0.05	4.8	<0.5	5.14	<5	<2	84.20	2.95			
3207091	Rock Pulp	135	3.35	0.051	4.9	23.0	2.08	129	0.165	3.43	0.11	0.21	1.1	0.49	23.0	0.5	1.41	9	5	51.40	13.20			
3207092	Drill Core	<10	<0.01	0.007	6.3	6.5	<0.01	224	0.001	0.14	<0.01	0.07	<0.5	<0.05	3.2	<0.5	5.38	<5	<2	85.20	2.22			
3207093	Drill Core	<10	<0.01	0.003	7.5	6.4	<0.01	185	0.001	0.12	<0.01	0.07	0.6	<0.05	3.0	<0.5	0.38	<5	<2	94.10	2.63			
3207094	Drill Core	<10	<0.01	0.004	7.9	6.3	<0.01	149	<0.001	0.09	<0.01	0.05	0.5	<0.05	3.7	<0.5	0.92	<5	<2	93.10	2.49			
3207095	Drill Core	<10	<0.01	0.005	8.0	6.7	<0.01	170	<0.001	0.11	<0.01	0.07	<0.5	<0.05	3.8	<0.5	0.58	<5	<2	93.80	2.56			
3207096	Drill Core	<10	<0.01	0.005	8.7	7.0	<0.01	241	0.002	0.15	<0.01	0.09	<0.5	<0.05	3.4	<0.5	0.78	<5	<2	92.80	2.67			
3207097	Drill Core	<10	<0.01	0.008	9.5	7.5	<0.01	190	0.001	0.12	<0.01	0.07	0.6	<0.05	2.8	<0.5	1.21	<5	<2	92.10	3.07			
3207098	Drill Core	<10	<0.01	0.008	7.5	7.2	<0.01	474	<0.001	0.12	<0.01	0.06	0.6	<0.05	2.9	<0.5	0.69	<5	<2	93.80	2.47			
3207099	Drill Core	13	<0.01	0.012	14.7	6.5	<0.01	466	0.001	0.22	<0.01	0.12	0.8	<0.05	3.9	<0.5	0.79	<5	<2	88.50	5.65			
3207100	Rock	31	0.77	0.042	6.1	3.1	0.61	52	0.107	1.15	0.09	0.09	<0.5	<0.05	4.8	<0.5	<0.05	<5	<2	69.80	14.10			
3207101	Drill Core	<10	<0.01	0.007	7.2	5.3	<0.01	1304	0.001	0.11	<0.01	0.06	<0.5	<0.05	2.3	<0.5	0.58	<5	<2	93.60	2.46			
3207102	Drill Core	<10	<0.01	0.005	8.7	6.5	<0.01	2193	<0.001	0.12	<0.01	0.07	<0.5	<0.05	2.4	<0.5	0.42	<5	<2	93.80	2.63			
3207103	Drill Core	11	<0.01	0.012	8.4	7.8	<0.01	3500	<0.001	0.11	<0.01	0.06	0.8	<0.05	5.1	<0.5	0.71	<5	<2	91.70	2.75			
3207104	Drill Core	<10	<0.01	0.010	8.0	6.0	<0.01	937	<0.001	0.11	<0.01	0.06	1.8	<0.05	3.1	<0.5	0.54	<5	2	93.70	2.57			
3207105	Drill Core	<10	<0.01	0.009	9.0	5.7	<0.01	2555	<0.001	0.13	<0.01	0.06	2.0	<0.05	2.5	<0.5	1.00	<5	<2	92.30	2.83			
3207106	Drill Core	<10	<0.01	0.011	10.0	6.3	<0.01	659	0.001	0.13	<0.01	0.06	<0.5	<0.05	2.8	<0.5	0.26	<5	<2	93.70	2.83			
3207107	Drill Core	22	<0.01	0.026	8.8	7.5	<0.01	689	<0.001	0.36	<0.01	0.06	<0.5	<0.05	3.7	<0.5	0.38	<5	<2	92.40	3.44			
3207108	Drill Core	12	<0.01	0.024	10.2	7.8	<0.01	420	<0.001	0.16	<0.01	0.06	0.7	<0.05	4.1	<0.5	0.40	<5	<2	92.90	3.16			
3207109	Drill Core	15	<0.01	0.019	10.4	9.7	<0.01	319	<0.001	0.14	<0.01	0.07	<0.5	<0.05	4.6	<0.5	0.28	<5	3	93.60	3.02			
3207110	Drill Core	52	<0.01	0.014	10.1	16.0	<0.01	266	<0.001	0.47	<0.01	0.07	0.5	0.08	5.0	<0.5	0.72	<5	<2	90.90	3.68			
3207111	Drill Core	35	<0.01	0.010	9.5	12.0	<0.01	763	<0.001	0.33	<0.01	0.07	<0.5	<0.05	4.5	<0.5	0.77	<5	2	92.40	3.24			
3207112	Drill Core	41	<0.01	0.018	10.0	11.4	<0.01	788	<0.001	0.50	<0.01	0.08	<0.5	0.07	3.5	<0.5	0.38	<5	4	92.90	3.44			
3207113	Drill Core	104	<0.01	0.058	8.0	25.6	<0.01	1405	<0.001	1.40	<0.01	0.07	<0.5	0.09	9.7	<0.5	0.67	<5	3	88.80	5.30			
3207114	Drill Core	61	0.03	0.023	8.8	14.0	0.35	858	<0.001	0.78	<0.01	0.06	<0.5	<0.05	4.7	<0.5	0.40	<5	3	80.30	3.64			
3207115	Drill Core	69	0.03	0.048	7.5	24.2	0.27	639	<0.001	1.07	<0.01	0.05	<0.5	<0.05	6.4	<0.5	0.69	<5	<2	82.00	4.15			
3207116	Rock	35	0.93	0.042	6.3	2.9	0.59	83	0.114	1.21	0.09	0.11	<0.5	<0.05	5.0	<0.5	<0.05	5	<2	69.60	14.10			
3207117	Drill Core	25	0.04	0.010	7.7	8.9	0.51	1056	<0.001	0.25	<0.01	0.07	<0.5	0.09	3.3	<0.5	0.30	<5	<2	76.50	2.53			
3207118	Drill Core	21	0.03	0.004	7.9	8.0	0.53	508	<0.001	0.17	<0.01	0.07	<0.5	<0.05	3.3	<0.5	0.35	<5	<2	76.30	2.31			



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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
3207089	Drill Core	6.78	0.01	0.30	1.95	0.02	0.44	0.09	<0.01	0.62	0.02	<0.01	<0.01	4.98	99.38	<0.02	0.63	5.00	
3207090	Drill Core	7.09	0.01	0.13	0.80	0.02	0.16	0.02	<0.01	0.20	<0.01	<0.01	<0.01	4.00	99.63	<0.02	0.27	5.18	
3207091	Rock Pulp	12.80	6.85	3.93	0.52	0.20	0.59	0.13	<0.01	0.03	0.09	<0.01	0.54	5.17	98.16	3.06	0.96	1.64	
3207092	Drill Core	7.25	<0.01	0.10	0.60	0.02	0.11	0.02	<0.01	0.15	<0.01	<0.01	<0.01	3.78	99.50	0.02	0.16	5.43	
3207093	Drill Core	1.14	<0.01	0.10	0.70	0.01	0.13	0.01	<0.01	0.17	<0.01	<0.01	<0.01	0.84	99.88	0.03	0.21	0.36	
3207094	Drill Core	1.79	<0.01	0.09	0.66	0.01	0.14	0.01	<0.01	0.16	<0.01	<0.01	<0.01	1.18	99.68	<0.02	0.20	0.96	
3207095	Drill Core	1.28	<0.01	0.08	0.68	0.01	0.14	0.01	<0.01	0.16	<0.01	<0.01	<0.01	0.94	99.71	<0.02	0.18	0.62	
3207096	Drill Core	1.48	<0.01	0.09	0.70	0.01	0.15	0.02	<0.01	0.17	<0.01	<0.01	<0.01	1.45	99.60	0.04	0.30	0.82	
3207097	Drill Core	2.07	<0.01	0.10	0.79	0.01	0.15	0.02	<0.01	0.19	<0.01	<0.01	<0.01	1.49	100.05	<0.02	0.24	1.32	
3207098	Drill Core	1.46	<0.01	0.09	0.64	0.01	0.13	0.02	<0.01	0.19	0.01	<0.01	<0.01	1.15	100.03	0.03	0.20	0.73	
3207099	Drill Core	1.61	<0.01	0.18	1.50	0.01	0.30	0.04	<0.01	0.32	0.01	<0.01	<0.01	1.82	100.03	0.05	0.40	0.81	
3207100	Rock	3.67	2.59	1.25	1.84	0.11	0.39	0.10	<0.01	0.09	<0.01	<0.01	<0.01	1.37	99.73	0.28	0.11	0.04	
3207101	Drill Core	1.18	<0.01	0.09	0.65	0.01	0.13	0.03	<0.01	0.28	<0.01	<0.01	<0.01	0.97	99.46	0.03	0.17	0.62	
3207102	Drill Core	0.98	<0.01	0.09	0.70	0.01	0.14	0.02	<0.01	0.36	0.01	<0.01	<0.01	0.91	99.72	<0.02	0.20	0.45	
3207103	Drill Core	1.30	0.01	0.09	0.71	0.01	0.15	0.03	<0.01	1.06	0.04	<0.01	<0.01	1.10	99.09	0.03	0.18	0.88	
3207104	Drill Core	1.21	<0.01	0.09	0.66	0.01	0.13	0.02	<0.01	0.23	0.01	<0.01	<0.01	0.98	99.67	0.07	0.18	0.56	
3207105	Drill Core	1.66	0.01	0.10	0.74	0.01	0.14	0.03	<0.01	0.54	0.02	<0.01	<0.01	1.39	99.87	0.04	0.20	1.12	
3207106	Drill Core	0.77	<0.01	0.09	0.73	0.01	0.14	0.04	<0.01	0.22	<0.01	<0.01	<0.01	0.83	99.44	0.05	0.19	0.28	
3207107	Drill Core	0.95	0.01	0.09	0.74	0.01	0.15	0.08	<0.01	0.23	0.01	<0.01	<0.01	1.25	99.43	0.02	0.22	0.42	
3207108	Drill Core	0.95	0.01	0.08	0.78	0.01	0.15	0.07	<0.01	0.22	0.01	<0.01	<0.01	1.04	99.44	0.05	0.20	0.43	
3207109	Drill Core	0.80	0.01	0.08	0.74	0.01	0.15	0.06	<0.01	0.20	0.01	<0.01	<0.01	0.91	99.63	0.04	0.21	0.28	
3207110	Drill Core	1.37	<0.01	0.08	0.76	0.01	0.16	0.05	<0.01	0.21	0.02	<0.01	<0.01	1.39	98.69	0.05	0.25	0.73	
3207111	Drill Core	1.41	<0.01	0.08	0.71	0.01	0.14	0.03	<0.01	0.23	0.02	<0.01	<0.01	1.11	99.45	0.06	0.20	0.77	
3207112	Drill Core	0.92	<0.01	0.08	0.69	0.01	0.14	0.04	<0.01	0.23	<0.01	<0.01	<0.01	1.25	99.76	<0.02	0.19	0.38	
3207113	Drill Core	1.18	<0.01	0.07	0.69	0.01	0.14	0.15	<0.01	0.31	0.01	<0.01	<0.01	2.41	99.14	0.06	0.19	0.66	
3207114	Drill Core	8.13	0.06	0.63	0.60	0.23	0.12	0.06	<0.01	0.23	0.01	<0.01	<0.01	5.53	99.59	4.04	1.51	0.39	
3207115	Drill Core	6.69	0.04	0.50	0.59	0.18	0.12	0.12	<0.01	0.21	0.02	<0.01	<0.01	5.13	99.79	2.95	1.17	0.68	
3207116	Rock	3.60	2.61	1.17	1.86	0.10	0.39	0.10	<0.01	0.08	<0.01	<0.01	<0.01	1.27	99.25	0.28	0.11	0.05	
3207117	Drill Core	11.40	0.07	0.89	0.59	0.33	0.11	0.03	<0.01	0.22	<0.01	<0.01	0.02	6.76	99.52	6.14	2.11	0.31	
3207118	Drill Core	11.90	0.08	0.94	0.57	0.34	0.13	0.02	<0.01	0.18	<0.01	<0.01	<0.01	6.87	99.67	6.44	2.19	0.36	



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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
3207119	Rock Pulp	0.09	133	<3	7	1.9	912.0	64.9	5180	2.1	21.3	35.1	1330	8.18	88	<0.5	0.7	70	14.4	4.7	<0.5
3207120	Drill Core	7.85	15	<3	3	0.8	80.4	5.2	15	<0.5	23.8	4.8	2497	7.73	129	1.7	1.0	6	<0.5	2.3	<0.5
3207121	Drill Core	6.79	139	<3	<2	2.1	491.9	7.1	26	<0.5	44.6	7.4	33	1.42	2740	2.5	1.4	10	<0.5	6.9	<0.5
3207122	Drill Core	7.54	36	<3	3	1.7	244.7	7.5	18	<0.5	35.7	5.0	304	1.56	422	1.7	1.5	18	<0.5	3.3	<0.5
3207123	Drill Core	8.66	87	<3	<2	0.7	33.7	4.6	13	<0.5	21.6	3.5	1503	4.76	1028	1.2	1.1	8	<0.5	3.6	<0.5
3207124	Drill Core	6.89	4	<3	2	0.7	60.0	3.3	<5	<0.5	12.4	2.5	91	0.57	9	<0.5	0.8	10	<0.5	1.4	<0.5
3207125	Drill Core	7.41	9	<3	<2	1.5	103.6	19.5	6	<0.5	41.6	6.8	347	1.59	19	0.9	1.5	12	0.8	4.7	<0.5
3207126	Drill Core	7.56	12	<3	3	2.6	436.8	28.4	15	5.2	48.7	7.2	670	2.50	37	4.5	2.3	64	<0.5	6.6	<0.5
3207127	Drill Core	5.89	9	<3	3	1.8	255.5	23.0	<5	0.5	35.3	7.9	34	0.73	18	1.3	1.6	44	<0.5	4.9	<0.5
3207128	Drill Core	7.29	25	<3	3	2.3	557.7	25.1	72	0.7	93.0	17.5	36	1.02	123	1.6	3.0	56	1.8	5.6	<0.5
3207129	Drill Core	6.52	11	<3	2	2.2	191.3	18.4	16	<0.5	39.3	7.5	42	0.74	26	1.5	1.6	45	0.9	5.2	<0.5
3207130	Drill Core	7.58	8	<3	3	1.6	121.4	24.6	5	0.6	47.4	7.6	221	1.25	17	1.3	1.8	13	1.2	4.1	<0.5
3207131	Drill Core	7.54	12	<3	4	2.5	155.5	23.9	5	0.6	57.5	9.9	216	1.34	40	1.5	3.3	19	2.0	5.9	<0.5
3207132	Drill Core	7.66	50	<3	3	2.2	65.3	17.9	6	0.7	47.5	9.1	283	1.66	205	0.8	2.6	21	0.9	8.5	<0.5
3207133	Drill Core	6.71	33	<3	2	1.9	75.7	18.8	<5	<0.5	45.2	7.6	207	1.56	184	0.8	1.9	18	<0.5	6.7	<0.5
3207134	Drill Core	7.08	25	<3	4	1.9	114.9	18.6	6	<0.5	46.1	7.6	44	0.99	57	1.2	2.1	24	<0.5	7.5	<0.5
3207135	Rock	1.22	2	<3	<2	0.9	5.8	1.2	33	<0.5	1.3	4.3	634	2.15	<5	<0.5	1.9	30	<0.5	<0.5	<0.5
3207136	Drill Core	7.73	12	<3	2	1.7	97.7	18.5	6	0.6	43.4	8.2	585	1.92	41	0.8	1.7	12	1.8	6.5	<0.5
3207137	Drill Core	6.71	29	<3	3	2.1	148.7	20.0	9	0.6	50.8	10.0	468	1.83	160	1.3	2.1	17	1.6	7.5	<0.5
3207138	Drill Core	7.50	15	<3	<2	1.8	460.2	15.0	8	1.1	49.9	7.9	160	1.34	60	1.0	1.5	13	2.3	6.9	<0.5
3207139	Drill Core	7.05	12	3	2	2.0	172.6	23.5	9	0.6	50.3	9.3	616	2.66	52	1.1	2.3	17	0.6	8.7	<0.5
3207140	Rock Pulp	0.09	459	<3	4	2.2	12816.4	29.5	1325	3.2	15.5	114.9	1234	11.69	61	<0.5	<0.5	49	3.5	2.8	1.4
3207141	Drill Core	5.34	9	<3	5	2.3	54.1	25.2	<5	0.7	40.4	9.1	353	2.73	29	0.9	2.9	21	0.9	8.7	<0.5
3207142	Drill Core	4.82	10	<3	3	1.7	74.5	18.0	<5	<0.5	41.6	8.0	54	1.94	32	0.8	1.5	29	0.8	6.5	<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	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01
3207119	Rock Pulp	145	3.74	0.058	4.9	26.6	2.14	118	0.165	3.39	0.12	0.23	1.0	0.51	20.3	<0.5	1.57	9	6	51.50	13.20
3207120	Drill Core	58	0.06	0.021	8.4	14.9	0.48	1107	<0.001	0.67	<0.01	0.06	0.5	<0.05	5.0	<0.5	0.40	<5	<2	76.80	3.35
3207121	Drill Core	132	<0.01	0.048	8.5	24.3	<0.01	2189	<0.001	1.77	<0.01	0.06	<0.5	0.11	7.7	<0.5	1.26	<5	2	86.80	5.75
3207122	Drill Core	96	<0.01	0.036	9.7	15.5	0.04	2643	0.001	1.11	<0.01	0.08	<0.5	0.07	4.8	<0.5	0.81	<5	<2	88.10	4.72
3207123	Drill Core	22	0.03	0.013	7.3	8.8	0.26	363	<0.001	0.30	<0.01	0.07	<0.5	<0.05	3.4	<0.5	0.73	<5	<2	84.60	2.71
3207124	Drill Core	<10	<0.01	0.009	7.4	4.9	0.01	461	<0.001	0.18	<0.01	0.08	<0.5	<0.05	1.1	<0.5	0.11	<5	<2	94.10	2.55
3207125	Drill Core	16	0.01	0.011	7.0	7.3	0.05	1091	0.001	0.26	<0.01	0.10	<0.5	<0.05	1.3	<0.5	0.58	<5	4	90.10	3.51
3207126	Drill Core	80	0.03	0.081	7.9	29.8	0.08	2995	0.002	0.92	<0.01	0.12	15.8	<0.05	9.1	<0.5	0.98	<5	4	84.30	5.05
3207127	Drill Core	24	<0.01	0.049	6.5	10.4	<0.01	3116	0.001	0.34	<0.01	0.09	<0.5	0.07	3.0	<0.5	0.58	<5	2	91.30	3.37
3207128	Drill Core	35	0.02	0.061	13.4	13.3	<0.01	3546	0.002	0.59	<0.01	0.10	0.7	<0.05	4.7	0.9	0.90	<5	4	84.70	6.32
3207129	Drill Core	29	0.01	0.053	8.6	11.9	<0.01	3765	0.001	0.50	<0.01	0.10	<0.5	<0.05	4.6	<0.5	0.54	<5	2	90.70	4.12
3207130	Drill Core	29	0.06	0.041	7.8	10.3	0.01	797	0.002	0.34	<0.01	0.11	<0.5	<0.05	4.2	<0.5	0.55	<5	6	90.60	3.73
3207131	Drill Core	28	0.07	0.048	14.5	11.1	0.02	637	0.002	0.41	<0.01	0.16	<0.5	0.06	4.4	<0.5	0.65	<5	4	86.70	5.80
3207132	Drill Core	12	0.13	0.058	11.6	6.4	0.02	1232	0.002	0.23	<0.01	0.12	<0.5	0.06	1.4	<0.5	1.01	<5	<2	88.50	4.37
3207133	Drill Core	12	0.10	0.053	9.0	7.6	0.02	546	0.002	0.22	<0.01	0.10	<0.5	<0.05	1.5	<0.5	0.99	<5	3	90.20	3.62
3207134	Drill Core	13	0.06	0.039	9.2	9.5	<0.01	1104	0.002	0.29	<0.01	0.11	<0.5	<0.05	2.2	<0.5	0.72	<5	3	90.60	4.08
3207135	Rock	29	0.82	0.044	6.0	2.2	0.57	60	0.103	1.03	0.08	0.11	<0.5	<0.05	4.0	<0.5	<0.05	<5	<2	69.90	14.10
3207136	Drill Core	14	0.10	0.044	10.1	5.7	0.07	473	0.003	0.24	<0.01	0.11	<0.5	<0.05	2.3	<0.5	0.74	<5	3	89.20	3.78
3207137	Drill Core	20	0.09	0.051	12.8	8.9	0.05	2087	0.002	0.33	<0.01	0.13	<0.5	<0.05	2.7	<0.5	1.07	<5	4	88.00	4.42
3207138	Drill Core	14	0.07	0.048	11.9	7.5	0.02	928	0.002	0.28	<0.01	0.11	<0.5	0.05	2.5	<0.5	0.90	<5	3	91.10	3.48
3207139	Drill Core	17	0.11	0.049	12.5	7.6	0.04	1423	0.003	0.28	<0.01	0.12	<0.5	0.07	1.5	<0.5	1.92	<5	6	86.20	4.28
3207140	Rock Pulp	133	2.96	0.041	3.3	25.9	1.80	147	0.172	3.09	0.12	0.27	0.9	0.29	15.4	0.5	4.61	8	45	47.40	12.30
3207141	Drill Core	16	0.14	0.070	15.8	6.3	0.01	1417	0.003	0.27	<0.01	0.16	<0.5	<0.05	3.1	<0.5	2.28	<5	3	84.00	5.45
3207142	Drill Core	13	0.04	0.047	10.9	6.0	<0.01	1629	0.001	0.22	<0.01	0.08	<0.5	0.06	2.1	<0.5	1.78	<5	<2	88.00	3.52



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	Method Analyte Unit MDL	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	-5.11	0.01	0.02	0.02	0.02
3207119	Rock Pulp	12.80	6.88	3.92	0.52	0.19	0.59	0.13	<0.01	0.02	0.09	<0.01	0.53	5.70	98.79	3.01	0.96	1.61
3207120	Drill Core	10.60	0.07	0.81	0.58	0.30	0.12	0.05	<0.01	0.24	<0.01	<0.01	<0.01	6.77	99.72	5.53	1.96	0.40
3207121	Drill Core	1.99	<0.01	0.09	0.60	0.01	0.13	0.13	<0.01	0.41	0.05	<0.01	<0.01	3.10	99.16	<0.02	0.16	1.20
3207122	Drill Core	2.21	0.02	0.15	0.70	0.04	0.15	0.11	<0.01	0.51	0.02	<0.01	<0.01	2.67	99.49	0.45	0.35	0.80
3207123	Drill Core	6.39	0.05	0.48	0.59	0.18	0.12	0.04	<0.01	0.18	<0.01	<0.01	<0.01	3.97	99.34	2.95	1.13	0.70
3207124	Drill Core	0.82	<0.01	0.10	0.63	0.02	0.12	0.04	<0.01	0.19	<0.01	<0.01	<0.01	0.73	99.35	0.10	0.21	0.11
3207125	Drill Core	2.24	0.02	0.19	0.88	0.05	0.17	0.05	<0.01	0.30	<0.01	<0.01	<0.01	1.94	99.51	0.57	0.59	0.55
3207126	Drill Core	3.48	0.04	0.25	0.95	0.08	0.20	0.26	<0.01	0.80	0.04	<0.01	<0.01	3.75	99.33	1.02	0.83	0.97
3207127	Drill Core	1.13	0.01	0.10	0.77	0.01	0.16	0.15	<0.01	0.58	0.02	<0.01	<0.01	1.47	99.17	0.03	0.47	0.56
3207128	Drill Core	1.54	0.02	0.16	1.11	0.01	0.32	0.20	<0.01	1.59	0.05	<0.01	<0.01	2.86	99.11	<0.02	0.58	1.04
3207129	Drill Core	1.09	0.02	0.13	0.90	0.01	0.18	0.16	<0.01	0.68	0.02	<0.01	<0.01	1.67	99.78	<0.02	0.46	0.52
3207130	Drill Core	1.87	0.08	0.14	0.94	0.03	0.19	0.10	<0.01	0.30	0.01	<0.01	<0.01	1.73	99.77	0.66	0.56	0.49
3207131	Drill Core	1.98	0.10	0.21	1.47	0.03	0.31	0.11	<0.01	0.42	0.01	<0.01	<0.01	2.31	99.54	0.29	0.78	0.64
3207132	Drill Core	2.33	0.17	0.18	1.03	0.04	0.25	0.13	<0.01	0.40	<0.01	<0.01	<0.01	2.02	99.49	0.26	0.57	0.98
3207133	Drill Core	2.20	0.14	0.17	0.87	0.03	0.20	0.12	<0.01	0.32	<0.01	<0.01	<0.01	1.77	99.70	0.21	0.52	0.96
3207134	Drill Core	1.41	0.07	0.15	1.00	0.01	0.21	0.10	<0.01	0.43	<0.01	<0.01	<0.01	1.60	99.71	0.40	0.46	0.67
3207135	Rock	3.33	2.43	1.08	1.87	0.10	0.37	0.10	<0.01	0.09	<0.01	<0.01	<0.01	1.36	99.23	0.78	0.12	0.02
3207136	Drill Core	2.70	0.13	0.25	0.97	0.07	0.19	0.10	<0.01	0.33	<0.01	<0.01	<0.01	2.17	99.96	0.66	0.66	0.73
3207137	Drill Core	2.59	0.12	0.24	1.08	0.06	0.22	0.12	<0.01	0.56	0.01	<0.01	<0.01	2.34	99.86	0.87	0.60	1.03
3207138	Drill Core	1.93	0.12	0.16	0.82	0.03	0.16	0.11	<0.01	0.35	0.04	<0.01	<0.01	1.67	100.03	0.17	0.42	0.87
3207139	Drill Core	3.61	0.14	0.23	1.07	0.08	0.21	0.11	<0.01	0.51	0.01	<0.01	<0.01	2.76	99.30	0.77	0.62	1.88
3207140	Rock Pulp	18.20	6.32	3.44	0.48	0.19	0.55	0.11	<0.01	0.03	1.31	<0.01	0.13	4.74	97.83	1.87	0.65	4.39
3207141	Drill Core	3.76	0.19	0.25	1.41	0.05	0.30	0.15	0.02	0.77	<0.01	<0.01	<0.01	3.09	99.56	0.23	0.65	2.20
3207142	Drill Core	2.62	0.08	0.16	0.75	0.02	0.19	0.15	<0.01	1.38	<0.01	<0.01	<0.01	2.39	99.44	<0.02	0.39	1.91



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QUALITY CONTROL REPORT

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	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
3207139	Drill Core	7.05	12	3	2	2.0	172.6	23.5	9	0.6	50.3	9.3	616	2.66	52	1.1	2.3	17	0.6	8.7	<0.5
Pulp Duplicates																					
3207105	Drill Core	7.18	8	4	<2	0.8	133.7	23.0	<5	0.8	21.4	5.9	28	1.04	14	2.3	1.2	14	<0.5	2.8	<0.5
REP 3207105	QC		8	5	2																
3207106	Drill Core	4.52	5	4	3	0.7	58.8	18.6	<5	<0.5	7.8	3.4	26	0.46	8	2.4	1.4	16	<0.5	1.7	<0.5
REP 3207106	QC																				
REP 3207111	QC																				
3207114	Drill Core	7.49	16	<3	3	1.2	93.1	5.4	19	<0.5	25.5	4.3	1933	5.94	167	2.8	1.0	10	<0.5	2.6	<0.5
REP 3207114	QC		17	<3	4																
3207115	Drill Core	7.28	38	<3	3	1.5	159.1	6.1	22	<0.5	32.2	5.3	1512	4.92	433	3.5	1.1	10	<0.5	2.8	<0.5
REP 3207115	QC																				
3207116	Rock	1.17	3	<3	<2	0.8	10.9	1.6	36	<0.5	1.6	5.7	673	2.28	<5	<0.5	2.1	35	<0.5	<0.5	<0.5
REP 3207116	QC					1.0	10.0	1.5	38	<0.5	1.8	5.6	663	2.31	<5	<0.5	2.1	35	<0.5	<0.5	<0.5
3207133	Drill Core	6.71	33	<3	2	1.9	75.7	18.8	<5	<0.5	45.2	7.6	207	1.56	184	0.8	1.9	18	<0.5	6.7	<0.5
REP 3207133	QC		32	<3	<2																
3207138	Drill Core	7.50	15	<3	<2	1.8	460.2	15.0	8	1.1	49.9	7.9	160	1.34	60	1.0	1.5	13	2.3	6.9	<0.5
REP 3207138	QC																				
Core Reject Duplicates																					
3207111	Drill Core	7.12	5	<3	6	0.8	253.7	9.0	<5	<0.5	18.1	6.3	35	0.96	14	3.1	1.3	14	<0.5	2.6	<0.5
DUP 3207111	QC		6	<3	<2	0.8	277.9	9.6	5	<0.5	19.9	6.6	36	0.97	13	3.2	1.2	15	<0.5	2.7	<0.5
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD GBM398-4-AR	Standard					926.2	3835.2	11169.9	5209	49.3	4334.2	2016.6	5402	4.02	7	0.6	0.9	14	8.7	7.2	13.6
STD GBM398-4-AR	Standard					888.0	3927.1	11653.5	5239	47.6	4384.2	2002.6	5257	3.81	6	0.7	0.8	13	9.4	6.7	12.0
STD GS311-1	Standard																				
STD GS311-1	Standard																				



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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
3207139	Drill Core	17	0.11	0.049	12.5	7.6	0.04	1423	0.003	0.28	<0.01	0.12	<0.5	0.07	1.5	<0.5	1.92	<5	6	86.20	4.28
Pulp Duplicates																					
3207105	Drill Core	<10	<0.01	0.009	9.0	5.7	<0.01	2555	<0.001	0.13	<0.01	0.06	2.0	<0.05	2.5	<0.5	1.00	<5	<2	92.30	2.83
REP 3207105	QC																				
3207106	Drill Core	<10	<0.01	0.011	10.0	6.3	<0.01	659	0.001	0.13	<0.01	0.06	<0.5	<0.05	2.8	<0.5	0.26	<5	<2	93.70	2.83
REP 3207106	QC																				
REP 3207111	QC																				
3207114	Drill Core	61	0.03	0.023	8.8	14.0	0.35	858	<0.001	0.78	<0.01	0.06	<0.5	<0.05	4.7	<0.5	0.40	<5	3	80.30	3.64
REP 3207114	QC																			80.20	3.64
3207115	Drill Core	69	0.03	0.048	7.5	24.2	0.27	639	<0.001	1.07	<0.01	0.05	<0.5	<0.05	6.4	<0.5	0.69	<5	<2	82.00	4.15
REP 3207115	QC																			82.00	4.21
3207116	Rock	35	0.93	0.042	6.3	2.9	0.59	83	0.114	1.21	0.09	0.11	<0.5	<0.05	5.0	<0.5	<0.05	5	<2	69.60	14.10
REP 3207116	QC	35	0.93	0.043	6.3	2.6	0.59	82	0.117	1.22	0.09	0.12	<0.5	<0.05	3.9	<0.5	<0.05	<5	<2		
3207133	Drill Core	12	0.10	0.053	9.0	7.6	0.02	546	0.002	0.22	<0.01	0.10	<0.5	<0.05	1.5	<0.5	0.99	<5	3	90.20	3.62
REP 3207133	QC																				
3207138	Drill Core	14	0.07	0.048	11.9	7.5	0.02	928	0.002	0.28	<0.01	0.11	<0.5	0.05	2.5	<0.5	0.90	<5	3	91.10	3.48
REP 3207138	QC																				
Core Reject Duplicates																					
3207111	Drill Core	35	<0.01	0.010	9.5	12.0	<0.01	763	<0.001	0.33	<0.01	0.07	<0.5	<0.05	4.5	<0.5	0.77	<5	2	92.40	3.24
DUP 3207111	QC	34	<0.01	0.010	9.1	12.5	<0.01	778	<0.001	0.35	<0.01	0.08	<0.5	<0.05	4.8	<0.5	0.78	<5	<2	91.80	3.36
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD GBM398-4-AR	Standard	23	0.32	0.017	2.6	2018.3	0.13	18	0.112	0.49	0.25	0.12	3.1	3.11	1.7	<0.5	0.95	<5	6		
STD GBM398-4-AR	Standard	19	0.32	0.017	2.6	1857.2	0.12	21	0.111	0.47	0.25	0.10	2.9	2.94	1.8	<0.5	0.90	<5	3		
STD GS311-1	Standard																				
STD GS311-1	Standard																				



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QUALITY CONTROL REPORT

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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
3207139 Drill Core	3.61	0.14	0.23	1.07	0.08	0.21	0.11	<0.01	0.51	0.01	<0.01	<0.01	2.76	99.30	0.77	0.62	1.88
Pulp Duplicates																	
3207105 Drill Core	1.66	0.01	0.10	0.74	0.01	0.14	0.03	<0.01	0.54	0.02	<0.01	<0.01	1.39	99.87	0.04	0.20	1.12
REP 3207105 QC																	
3207106 Drill Core	0.77	<0.01	0.09	0.73	0.01	0.14	0.04	<0.01	0.22	<0.01	<0.01	<0.01	0.83	99.44	0.05	0.19	0.28
REP 3207106 QC																0.18	0.27
REP 3207111 QC															0.04		
3207114 Drill Core	8.13	0.06	0.63	0.60	0.23	0.12	0.06	<0.01	0.23	0.01	<0.01	<0.01	5.53	99.59	4.04	1.51	0.39
REP 3207114 QC	8.12	0.05	0.62	0.60	0.23	0.12	0.06	<0.01	0.22	0.01	<0.01	<0.01	5.53	99.44			
3207115 Drill Core	6.69	0.04	0.50	0.59	0.18	0.12	0.12	<0.01	0.21	0.02	<0.01	<0.01	5.13	99.79	2.95	1.17	0.68
REP 3207115 QC	6.71	0.04	0.50	0.58	0.18	0.12	0.12	<0.01	0.20	0.02	<0.01	<0.01	5.13	99.83			
3207116 Rock	3.60	2.61	1.17	1.86	0.10	0.39	0.10	<0.01	0.08	<0.01	<0.01	<0.01	1.27	99.25	0.28	0.11	0.05
REP 3207116 QC																	
3207133 Drill Core	2.20	0.14	0.17	0.87	0.03	0.20	0.12	<0.01	0.32	<0.01	<0.01	<0.01	1.77	99.70	0.21	0.52	0.96
REP 3207133 QC																0.52	0.97
3207138 Drill Core	1.93	0.12	0.16	0.82	0.03	0.16	0.11	<0.01	0.35	0.04	<0.01	<0.01	1.67	100.03	0.17	0.42	0.87
REP 3207138 QC															0.17		
Core Reject Duplicates																	
3207111 Drill Core	1.41	<0.01	0.08	0.71	0.01	0.14	0.03	<0.01	0.23	0.02	<0.01	<0.01	1.11	99.45	0.06	0.20	0.77
DUP 3207111 QC	1.41	<0.01	0.07	0.72	0.01	0.14	0.04	<0.01	0.23	0.03	<0.01	<0.01	1.19	99.03	0.04	0.21	0.81
Reference Materials																	
STD COO1 Standard															2.23		
STD COO1 Standard															2.39		
STD COO1 Standard															2.37		
STD COO1 Standard															2.35		
STD GBM398-4-AR Standard																	
STD GBM398-4-AR Standard																	
STD GS311-1 Standard																0.99	2.39
STD GS311-1 Standard																0.99	2.21



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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 GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard	5.4 49519.8 841.7 2164 985.8 1576.8 98.9 96 3.93 1758 0.9 2.2 52 14.7 306.5 19.9																			
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard	1.1 10845.0 218.6 697 4.3 30.0 27.4 1088 7.98 17 1.6 13.2 13 1.0 1.2 69.7																			
STD PD05	Standard	504 441 595																			
STD PD05	Standard	515 443 621																			
STD PD05	Standard	514 438 618																			
STD PG04	Standard	935 857 1149																			
STD PG04	Standard	999 923 1254																			
STD PG04	Standard	1002 909 1211																			
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
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																					
STD COO1 Expected																					
STD OREAS605 Expected		4.75 49800 856 2170 984 1538 93 86 3.75 1613 0.95 12.9 228 16.7																			
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																			



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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 GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																			33.70	6.83
STD OREAS133B(D)	Standard																			33.70	6.84
STD OREAS133B(D)	Standard																			33.70	6.82
STD OREAS605	Standard	<10	0.19	0.008	7.2	29.5	0.03	161	0.010	0.71	0.03	0.15	6.7	1.52	1.1	15.8	7.82	7	82		
STD OREAS72B	Standard																			51.20	8.96
STD OREAS72B	Standard																			51.30	8.96
STD OREAS72B	Standard																			51.20	8.93
STD OREAS927-AR	Standard	35	0.31	0.059	26.6	36.1	1.90	45	0.078	3.27	<0.01	0.26	4.4	0.05	5.5	<0.5	1.67	9	18		
STD PD05	Standard																				
STD PD05	Standard																				
STD PD05	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD PG04	Standard																				
STD SY-4(D)	Standard																			49.70	20.70
STD SY-4(D)	Standard																			49.80	20.70
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																					
STD COO1 Expected																					
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 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																					



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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 GS910-4	Standard																	2.66	8.44
STD GS910-4	Standard																	2.66	7.92
STD OREAS133B(D)	Standard	11.50	5.30	3.72	3.45	0.16	0.23	0.09	<0.01	0.06	0.03	5.06	11.33	13.00	97.65				
STD OREAS133B(D)	Standard	11.50	5.33	3.70	3.43	0.16	0.23	0.10	<0.01	0.07	0.03	5.06	11.33	13.00	97.66				
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 OREAS605	Standard																		
STD OREAS72B	Standard	9.80	3.96	15.90	1.33	0.14	0.35	0.06	0.14	0.03	0.02	<0.01	<0.01	5.12	98.30				
STD OREAS72B	Standard	9.75	3.97	15.90	1.32	0.14	0.35	0.06	0.14	0.03	0.02	<0.01	<0.01	5.12	98.38				
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 PD05	Standard																		
STD PD05	Standard																		
STD PG04	Standard																		
STD PG04	Standard																		
STD PG04	Standard																		
STD SY-4(D)	Standard	6.17	7.98	0.54	1.66	0.11	0.30	0.16	<0.01	0.03	<0.01	<0.01	0.03	4.56	98.88				
STD SY-4(D)	Standard	6.17	8.03	0.53	1.65	0.11	0.30	0.16	<0.01	0.03	<0.01	<0.01	0.02	4.56	98.99				
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
STD COO1 Expected																		2.37	
STD OREAS605 Expected																			
STD GBM398-4-AR Expected																			
STD OREAS927-AR Expected																			
STD PD05 Expected																			



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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 PG04 Expected																					
SI BLK	Blank																				
SI 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 PG04 Expected																							
SI BLK	Blank																					99.20	0.33
SI BLK	Blank																					99.30	0.34
SI BLK	Blank																					99.10	0.33
BLK	Blank																						
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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																						
BLK	Blank																						
BLK	Blank																						
BLK	Blank																						
Prep Wash																							
ROCK-WHI	Prep Blank	22	0.65	0.039	6.9	2.3	0.44	61	0.088	0.90	0.08	0.09	<0.5	<0.05	4.7	<0.5	<0.05	<5	<2	71.40	14.00		
ROCK-WHI	Prep Blank	22	0.66	0.041	6.3	2.8	0.47	71	0.089	0.92	0.08	0.11	<0.5	<0.05	4.7	<0.5	<0.05	<5	<2	71.20	13.90		



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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 PG04 Expected																		
SI BLK	Blank	0.02	0.01	0.03	0.02	<0.01	0.02	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.00	99.64			
SI BLK	Blank	0.02	<0.01	0.03	<0.01	<0.01	0.02	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.00	99.75			
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	<0.02
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Prep Wash																		
ROCK-WHI	Prep Blank	3.00	2.10	0.86	2.03	0.10	0.34	0.09	<0.01	0.09	0.01	<0.01	<0.01	1.07	99.65	0.23	0.10	0.05
ROCK-WHI	Prep Blank	3.12	2.25	0.92	2.00	0.10	0.34	0.09	<0.01	0.09	<0.01	<0.01	<0.01	1.05	99.49	0.31	0.11	0.04