



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

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

Submitted By: Confirmation & Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: July 11, 2019
Report Date: August 15, 2019
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CERTIFICATE OF ANALYSIS

WHI19000193.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ19-BV-005
P.O. Number
Number of Samples: 61

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-500	60	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	1	Sort, label and box pulps			WHI
CRUBW	60	Extra clean rock wash between samples in crusher			WHI
PULSW	60	Extra Wash with Silica between each sample			WHI
AQ270	61	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	61	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC000	61	Total C/S Analysis by Leco	0.1	Completed	VAN
TC007	61	Graphite and Organic C by Leco After Ignition	0.1	Completed	VAN
TC006	61	Inorganic Carbon	0.2	Completed	VAN
TC009	61	Sulfide and Sulfate	0.1	Completed	VAN
SHP01	61	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

V205 from LF725 is Qualitative Data only.

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

CC:



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



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Method Analyte Unit MDL		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3200501	Drill Core	2.46	22.6	102.7	97.3	12	1.2	75.4	16.4	63	3.99	61	1.4	5.0	15	<0.5	38.5	<0.5	17	<0.01	0.013
3200502	Drill Core	1.93	35.2	55.9	51.9	12	0.5	88.2	12.8	50	2.00	57	1.7	6.2	21	<0.5	30.2	<0.5	18	<0.01	0.011
3200503	Drill Core	5.13	34.0	124.0	89.6	9	1.0	107.7	13.7	45	3.44	84	1.5	5.6	12	<0.5	46.9	<0.5	20	<0.01	0.005
3200504	Drill Core	1.69	31.9	93.3	47.0	12	0.7	99.6	11.9	40	1.77	55	1.7	4.9	13	<0.5	25.5	<0.5	23	<0.01	0.008
3200505	Drill Core	2.48	23.5	538.0	90.7	27	1.1	114.7	16.3	43	4.15	70	3.7	5.1	35	<0.5	35.2	<0.5	26	<0.01	0.036
3200506	Drill Core	5.35	27.4	284.7	90.7	14	1.1	92.5	14.7	42	3.83	58	2.4	4.1	16	<0.5	28.7	<0.5	21	<0.01	0.019
3200507	Drill Core	3.92	23.9	465.2	59.3	11	0.7	81.0	12.0	45	2.26	44	2.4	4.4	23	<0.5	15.6	<0.5	32	<0.01	0.026
3200508	Drill Core	1.38	33.0	302.5	52.4	28	0.6	93.2	9.9	51	3.48	44	2.5	5.3	30	<0.5	13.4	<0.5	35	<0.01	0.037
3200509	Drill Core	1.83	27.8	209.9	80.9	17	0.9	80.7	10.2	49	2.20	40	7.2	5.2	51	<0.5	20.1	<0.5	51	<0.01	0.049
3200510	Drill Core	4.22	24.4	105.7	76.1	16	0.8	71.3	8.1	47	2.09	36	5.7	4.6	50	<0.5	18.2	<0.5	51	<0.01	0.041
3200511	Drill Core	3.83	27.1	308.4	87.4	25	0.8	90.9	11.7	54	2.59	46	10.8	4.5	84	<0.5	19.9	<0.5	48	<0.01	0.077
3200512	Drill Core	6.55	26.3	267.3	106.3	24	0.8	74.4	9.3	56	3.32	41	7.9	4.6	50	<0.5	25.0	<0.5	38	<0.01	0.039
3200513	Drill Core	6.99	20.6	167.4	62.6	12	0.7	65.3	7.9	44	1.63	28	4.2	4.9	27	<0.5	19.4	<0.5	51	<0.01	0.025
3200514	Drill Core	5.39	18.9	263.7	96.1	16	0.9	71.4	9.8	42	2.78	33	6.8	4.9	36	<0.5	24.5	<0.5	41	<0.01	0.023
3200515	Drill Core	6.90	22.5	399.5	98.5	15	0.7	65.9	7.3	45	1.80	29	8.5	5.0	32	<0.5	19.6	<0.5	60	<0.01	0.022
3200516	Drill Core	5.28	21.6	240.0	72.7	12	0.6	69.1	7.1	42	1.80	28	6.0	4.9	30	<0.5	18.5	<0.5	53	<0.01	0.029
3200517	Drill Core	2.74	22.6	441.4	100.5	15	0.7	68.9	9.1	44	2.08	32	12.5	5.6	64	<0.5	20.8	<0.5	52	<0.01	0.038
3200518	Drill Core	5.77	25.3	358.5	79.5	16	0.6	65.8	7.7	42	1.82	24	13.1	5.0	103	<0.5	16.1	<0.5	56	<0.01	0.039
3200519	Rock Pulp	0.04	2.9	236.7	18219.7	30655	34.7	26.3	20.9	1914	5.48	85	1.6	7.6	24	97.1	49.6	<0.5	12	5.24	0.056
3200520	Drill Core	5.03	27.7	980.5	100.1	80	0.6	75.6	8.9	46	2.41	31	14.2	5.4	133	3.0	21.6	<0.5	67	0.02	0.053
3200521	Drill Core	6.59	22.7	483.4	86.6	179	0.6	87.9	13.6	45	2.34	31	4.9	4.9	99	8.1	20.5	<0.5	60	<0.01	0.034
3200522	Drill Core	4.24	17.1	98.7	53.9	73	0.7	61.4	6.7	52	1.74	24	2.9	3.8	112	2.1	13.5	<0.5	65	0.04	0.064
3200523	Drill Core	7.07	17.5	69.5	54.8	108	0.6	62.7	6.8	51	2.59	24	2.4	3.7	103	<0.5	17.3	<0.5	83	0.03	0.065
3200524	Drill Core	5.60	18.0	79.5	58.0	64	0.6	61.2	6.0	43	1.67	25	1.9	3.9	59	2.8	13.3	<0.5	72	0.03	0.056
3200525	Drill Core	6.63	19.7	57.3	65.9	224	0.6	76.1	7.1	104	1.97	26	2.0	3.9	48	6.9	14.3	<0.5	70	0.10	0.096
3200526	Drill Core	5.89	19.5	42.7	51.8	510	0.6	69.4	6.5	191	2.71	25	1.8	3.3	46	3.8	15.7	<0.5	77	0.12	0.103
3200527	Drill Core	5.44	18.8	45.5	52.7	328	0.7	64.4	5.7	135	1.94	28	1.7	3.5	21	<0.5	15.6	<0.5	84	0.20	0.090
3200528	Drill Core	3.62	17.5	50.1	59.6	351	0.7	60.8	5.7	277	2.22	26	1.6	3.6	22	<0.5	15.1	<0.5	81	0.19	0.090
3200529	Drill Core	4.90	15.5	50.4	62.1	690	0.7	63.3	6.7	397	2.59	27	1.7	3.5	23	<0.5	18.7	<0.5	82	0.20	0.087
3200530	Drill Core	3.11	14.4	59.0	68.2	1784	0.7	85.3	6.8	676	3.45	28	2.2	3.6	27	1.1	26.6	<0.5	77	0.21	0.101



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Method Analyte Unit MDL		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
3200501	Drill Core	8.7	8.1	0.02	627	0.007	0.43	<0.01	0.21	<0.5	0.17	2.3	0.9	4.55	<5	4	67.90	9.83	6.20	<0.01	0.51
3200502	Drill Core	9.6	6.5	0.02	1273	0.005	0.37	<0.01	0.17	<0.5	0.11	2.5	1.0	2.23	<5	5	75.39	9.17	3.27	<0.01	0.48
3200503	Drill Core	8.7	8.5	0.02	778	0.006	0.40	<0.01	0.18	<0.5	0.12	2.3	1.3	3.86	<5	4	73.04	8.86	5.40	<0.01	0.45
3200504	Drill Core	9.1	7.0	0.02	952	0.004	0.36	<0.01	0.19	<0.5	0.08	3.7	1.0	1.96	<5	2	77.15	8.62	3.02	<0.01	0.42
3200505	Drill Core	8.0	11.6	0.02	634	0.003	0.43	<0.01	0.19	0.6	0.11	4.7	1.3	4.67	<5	4	70.72	9.03	6.34	0.01	0.46
3200506	Drill Core	8.0	10.4	0.01	736	0.003	0.38	<0.01	0.19	<0.5	0.18	3.4	1.1	4.33	<5	4	72.52	8.74	5.91	<0.01	0.43
3200507	Drill Core	11.0	10.6	0.02	1051	0.003	0.44	<0.01	0.20	<0.5	<0.05	3.3	1.1	2.54	<5	4	75.24	9.20	3.54	<0.01	0.42
3200508	Drill Core	10.0	10.4	0.01	582	0.003	0.42	<0.01	0.19	<0.5	0.08	3.1	0.8	3.88	<5	8	71.33	9.63	5.58	<0.01	0.45
3200509	Drill Core	13.1	17.9	0.02	1218	0.003	0.48	<0.01	0.22	<0.5	0.20	4.1	1.0	2.45	<5	3	71.94	10.28	3.56	0.01	0.48
3200510	Drill Core	14.3	17.2	0.02	894	0.003	0.48	<0.01	0.20	<0.5	0.19	3.9	1.0	2.31	<5	5	73.33	9.45	3.39	0.01	0.44
3200511	Drill Core	11.7	21.7	0.01	1211	0.003	0.49	<0.01	0.19	<0.5	0.07	4.7	1.1	2.83	<5	5	74.29	9.27	4.19	0.01	0.45
3200512	Drill Core	10.1	13.7	0.02	854	0.003	0.43	<0.01	0.19	<0.5	0.18	3.6	0.9	3.69	<5	4	73.06	9.51	5.41	0.02	0.44
3200513	Drill Core	10.7	13.0	0.02	989	0.003	0.45	<0.01	0.20	<0.5	0.07	3.6	0.8	1.69	<5	3	76.71	9.43	2.69	<0.01	0.46
3200514	Drill Core	11.1	14.0	0.02	923	0.003	0.43	<0.01	0.20	<0.5	0.09	4.7	0.9	3.07	<5	3	74.73	9.12	4.38	<0.01	0.45
3200515	Drill Core	12.4	14.8	0.02	957	0.003	0.46	<0.01	0.22	<0.5	0.09	5.0	0.7	1.94	<5	5	76.07	9.45	2.96	<0.01	0.47
3200516	Drill Core	10.3	14.0	0.02	940	0.003	0.42	<0.01	0.19	<0.5	0.09	3.8	0.7	1.94	<5	4	77.67	9.21	2.93	0.01	0.44
3200517	Drill Core	12.6	21.8	0.02	1160	0.004	0.48	<0.01	0.21	<0.5	0.13	6.5	0.8	2.31	<5	6	74.18	9.87	3.33	<0.01	0.48
3200518	Drill Core	12.4	22.1	0.02	1117	0.004	0.47	<0.01	0.18	<0.5	<0.05	7.4	0.7	1.99	<5	5	76.59	9.32	2.95	0.01	0.44
3200519	Rock Pulp	25.7	14.0	2.85	127	0.018	1.00	0.01	0.72	1.0	1.11	3.2	27.6	4.87	<5	<2	43.29	8.60	8.20	7.36	5.32
3200520	Drill Core	12.8	25.3	0.02	1431	0.004	0.57	<0.01	0.20	<0.5	0.10	6.7	1.8	2.70	<5	5	74.47	9.63	3.80	0.02	0.45
3200521	Drill Core	10.9	17.3	0.02	1200	0.004	0.58	<0.01	0.19	<0.5	0.08	3.4	1.9	2.63	<5	4	74.15	9.64	3.66	0.02	0.44
3200522	Drill Core	10.1	13.5	0.02	1992	0.004	0.51	<0.01	0.19	<0.5	0.09	0.9	0.8	1.80	<5	5	77.60	8.38	2.78	0.06	0.40
3200523	Drill Core	8.9	14.4	0.02	1572	0.004	0.56	<0.01	0.19	5.2	<0.05	2.0	0.6	2.29	<5	4	76.65	8.11	4.01	0.04	0.37
3200524	Drill Core	9.3	12.7	0.02	1878	0.004	0.49	<0.01	0.17	<0.5	0.05	1.7	0.7	1.75	<5	6	77.39	8.30	2.68	0.04	0.37
3200525	Drill Core	9.3	14.1	0.02	1565	0.005	0.64	<0.01	0.18	<0.5	0.10	1.9	0.8	1.89	<5	5	76.92	8.64	3.15	0.16	0.36
3200526	Drill Core	7.0	14.5	0.02	999	0.004	0.86	<0.01	0.14	<0.5	0.14	2.2	0.7	2.21	<5	5	74.85	7.55	4.26	0.19	0.30
3200527	Drill Core	9.3	13.6	0.02	2655	0.004	1.35	<0.01	0.15	<0.5	0.10	1.8	0.8	1.21	<5	6	75.80	7.87	3.03	0.29	0.32
3200528	Drill Core	9.7	14.5	0.02	2601	0.004	1.56	<0.01	0.13	<0.5	0.11	1.5	0.7	1.22	<5	6	75.29	7.91	3.54	0.29	0.28
3200529	Drill Core	11.4	16.4	0.02	>5000	0.003	2.30	<0.01	0.12	1.0	0.11	2.2	0.8	0.92	<5	5	72.78	7.98	3.98	0.30	0.23
3200530	Drill Core	10.2	17.6	0.01	1946	0.002	2.29	<0.01	0.09	2.3	0.24	3.4	0.8	1.32	<5	5	69.16	8.00	5.33	0.32	0.17



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Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC008	TC008
Analyte	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.05	0.05
3200501 Drill Core	2.46	0.04	0.51	0.04	0.01	1.01	<0.01	<0.01	<0.01	10.30	98.99	0.04	4.98	4.50	4.51	0.47	<0.08	4.40	0.29
3200502 Drill Core	2.32	0.03	0.48	0.04	<0.01	0.99	<0.01	<0.01	<0.01	7.15	99.48	0.05	3.78	2.24	3.28	0.50	<0.08	2.16	0.24
3200503 Drill Core	2.23	0.03	0.48	0.02	0.01	0.91	<0.01	0.01	<0.01	7.71	99.30	0.05	3.40	3.86	3.08	0.32	<0.08	3.77	0.25
3200504 Drill Core	2.20	0.03	0.45	0.02	<0.01	0.74	<0.01	0.01	<0.01	6.71	99.51	0.06	3.73	2.07	3.09	0.64	<0.08	2.02	0.15
3200505 Drill Core	2.31	0.03	0.44	0.09	0.01	0.79	0.04	<0.01	0.06	8.60	99.09	0.05	3.60	4.71	3.29	0.31	<0.08	4.61	0.30
3200506 Drill Core	2.26	0.03	0.45	0.05	<0.01	0.67	0.02	<0.01	<0.01	8.22	99.42	0.05	3.60	4.47	3.29	0.30	<0.08	4.40	0.21
3200507 Drill Core	2.34	0.03	0.50	0.09	0.01	0.72	0.03	<0.01	<0.01	6.35	98.62	0.06	2.94	2.56	2.38	0.56	<0.08	2.51	0.15
3200508 Drill Core	2.43	0.03	0.51	0.11	0.01	1.10	0.02	<0.01	<0.01	8.17	99.57	0.07	3.56	4.10	3.42	0.13	<0.08	3.95	0.45
3200509 Drill Core	2.62	0.03	0.53	0.11	0.02	1.02	0.01	<0.01	<0.01	7.99	98.76	0.10	4.09	2.65	3.89	0.19	<0.08	2.55	0.30
3200510 Drill Core	2.39	0.03	0.48	0.12	0.01	1.58	<0.01	<0.01	<0.01	7.72	99.19	0.11	3.93	2.58	3.65	0.28	<0.08	2.31	0.79
3200511 Drill Core	2.31	0.03	0.47	0.21	0.02	0.91	0.02	0.01	<0.01	7.75	100.09	0.09	3.97	3.04	3.83	0.14	<0.08	2.94	0.31
3200512 Drill Core	2.42	0.03	0.49	0.11	0.11	0.77	0.02	0.01	<0.01	7.81	100.37	0.08	3.69	3.91	3.14	0.54	<0.08	3.84	0.22
3200513 Drill Core	2.41	0.03	0.49	0.06	0.01	0.76	<0.01	<0.01	<0.01	5.86	99.07	0.11	3.04	1.76	2.41	0.63	<0.08	1.71	0.15
3200514 Drill Core	2.34	0.03	0.48	0.07	<0.01	0.75	0.01	<0.01	<0.01	6.37	98.87	0.09	2.80	3.19	2.35	0.44	<0.08	3.13	0.18
3200515 Drill Core	2.41	0.03	0.50	0.06	0.02	0.77	0.03	<0.01	<0.01	6.18	99.10	0.12	3.18	1.99	2.69	0.49	<0.08	1.94	0.14
3200516 Drill Core	2.36	0.03	0.48	0.06	0.02	0.79	0.01	<0.01	<0.01	5.82	99.98	0.12	2.93	1.93	2.39	0.53	<0.08	1.89	0.14
3200517 Drill Core	2.51	0.03	0.51	0.10	0.02	0.92	0.04	<0.01	<0.01	6.39	98.58	0.11	3.12	2.36	2.84	0.28	<0.08	2.30	0.17
3200518 Drill Core	2.29	0.03	0.49	0.12	0.02	0.95	0.03	<0.01	<0.01	6.14	99.54	0.11	3.24	2.04	2.80	0.44	<0.08	1.99	0.15
3200519 Rock Pulp	4.18	0.25	0.28	0.12	<0.01	0.08	0.01	1.79	3.07	14.48	98.13	<0.01	3.26	4.86	0.39	<0.02	10.53	2.49	7.11
3200520 Drill Core	2.33	0.03	0.50	0.15	0.01	1.13	0.09	<0.01	<0.01	6.67	99.51	0.13	3.06	2.70	2.72	0.34	<0.08	2.61	0.26
3200521 Drill Core	2.22	0.03	0.48	0.09	0.02	1.30	0.04	<0.01	0.02	6.54	98.87	0.12	2.88	2.75	2.47	0.41	<0.08	2.63	0.33
3200522 Drill Core	2.00	0.03	0.41	0.15	0.01	1.25	<0.01	<0.01	0.01	5.44	98.70	0.12	2.65	1.90	2.12	0.53	<0.08	1.80	0.28
3200523 Drill Core	1.92	0.03	0.41	0.19	0.01	1.09	<0.01	<0.01	0.01	5.74	98.73	0.10	2.62	2.36	2.24	0.38	<0.08	2.27	0.26
3200524 Drill Core	1.90	0.03	0.42	0.13	0.01	1.25	<0.01	<0.01	<0.01	5.49	98.21	0.14	2.61	1.82	1.97	0.64	<0.08	1.73	0.26
3200525 Drill Core	1.82	0.03	0.46	0.23	0.01	1.45	<0.01	<0.01	0.02	5.93	99.40	0.13	2.64	2.02	1.90	0.71	<0.08	1.87	0.45
3200526 Drill Core	1.46	0.05	0.38	0.27	<0.01	2.74	<0.01	<0.01	0.05	6.78	99.26	0.11	2.76	2.77	2.16	0.55	0.21	2.30	1.41
3200527 Drill Core	1.41	0.04	0.41	0.24	0.02	3.38	<0.01	<0.01	0.04	5.64	98.91	0.15	2.62	1.80	1.40	1.19	0.11	1.63	0.51
3200528 Drill Core	1.27	0.06	0.41	0.23	0.02	3.84	<0.01	<0.01	0.04	6.00	99.65	0.14	2.85	1.96	2.01	0.76	0.25	1.84	0.36
3200529 Drill Core	0.97	0.08	0.41	0.22	0.01	5.83	<0.01	<0.01	0.07	6.01	99.60	0.12	2.64	2.16	1.72	0.80	0.42	1.92	0.71
3200530 Drill Core	0.77	0.11	0.39	0.24	0.01	6.20	<0.01	<0.01	0.19	7.06	98.74	0.12	2.39	2.74	1.38	0.82	0.72	2.13	1.83



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Method Analyte Unit MDL		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3200531	Drill Core	2.37	15.5	50.4	110.7	1776	0.9	70.1	6.3	534	3.96	33	2.5	2.8	27	1.3	43.1	<0.5	76	0.21	0.091
3200532	Drill Core	3.14	15.0	93.6	146.9	48871	1.4	51.7	5.4	466	3.02	26	2.1	2.4	51	37.2	17.5	<0.5	69	0.18	0.081
3200533	Drill Core	5.52	16.9	59.3	664.5	12620	1.0	85.9	7.3	493	3.71	36	1.8	2.8	45	10.1	19.9	<0.5	93	0.24	0.109
3200534	Drill Core	3.54	17.8	82.5	12767.7	111933	4.8	49.6	5.5	618	2.36	28	2.4	2.8	68	29.9	18.1	<0.5	441	0.19	0.083
3200535	Drill Core	2.17	11.3	72.6	10031.8	116704	4.3	76.4	6.8	507	2.15	28	4.5	2.1	92	77.1	13.7	<0.5	345	0.11	0.067
3200536	Drill Core	1.37	11.6	66.0	13967.7	110013	5.6	61.8	10.5	1780	3.70	31	4.2	1.7	66	68.2	13.0	<0.5	341	0.07	0.054
3200537	Drill Core	1.20	13.6	70.1	14491.9	124867	6.1	71.0	11.4	1956	4.07	35	4.0	2.3	81	82.6	14.7	<0.5	382	0.07	0.054
3200538	Drill Core	2.47	19.9	82.1	5117.2	75692	3.4	68.6	7.7	391	2.57	62	2.5	3.4	100	12.1	15.7	<0.5	629	0.20	0.096
3200539	Drill Core	3.47	17.3	94.8	3730.6	59974	2.9	63.1	6.5	566	2.65	45	2.3	2.8	63	27.9	14.8	<0.5	250	0.15	0.078
3200540	Drill Core	2.73	17.8	68.3	354.4	40101	1.2	87.0	8.1	586	3.20	43	2.6	3.2	64	30.2	13.3	<0.5	94	0.24	0.113
3200541	Drill Core	2.99	16.7	46.7	146.3	2417	0.9	83.8	7.4	978	4.84	30	2.9	3.3	54	1.0	13.4	<0.5	124	0.30	0.132
3200542	Rock	1.16	4.4	52.2	5.1	67	<0.5	4.6	9.3	432	2.96	<5	0.9	2.6	113	<0.5	<0.5	<0.5	101	1.17	0.052
3200543	Drill Core	2.35	17.3	45.9	127.7	1756	1.1	77.5	6.7	1552	5.12	27	3.3	3.5	65	0.8	14.4	<0.5	106	0.28	0.138
3200544	Drill Core	4.22	18.2	44.8	98.9	2838	0.7	61.7	4.4	1059	3.50	27	3.1	3.5	54	3.1	10.3	<0.5	107	0.30	0.129
3200545	Drill Core	4.10	17.3	42.4	102.4	2642	0.9	65.9	5.7	838	4.25	27	2.7	3.1	62	2.5	13.4	<0.5	108	0.34	0.174
3200546	Drill Core	5.13	17.9	43.0	84.1	2754	1.0	71.0	5.6	547	3.97	29	3.3	3.1	68	2.4	13.9	<0.5	97	0.27	0.159
3200547	Drill Core	5.18	18.0	58.6	86.0	2130	0.8	76.4	5.9	967	4.21	32	3.1	3.0	59	2.9	10.5	<0.5	96	0.29	0.128
3200548	Drill Core	6.15	19.8	59.8	116.9	275	1.0	70.7	4.4	234	3.21	32	3.2	3.1	61	<0.5	10.4	<0.5	89	0.28	0.117
3200549	Drill Core	6.58	16.8	72.5	103.1	304	1.0	70.7	5.8	524	3.95	33	2.9	3.1	55	<0.5	10.2	<0.5	90	0.26	0.118
3200550	Drill Core	6.62	15.8	87.9	89.5	393	1.1	84.5	6.1	448	4.12	37	5.2	3.5	64	0.9	10.9	<0.5	76	0.29	0.152
3200551	Drill Core	7.05	5.1	53.6	54.0	372	0.7	47.0	8.7	1162	4.27	17	1.4	4.7	88	<0.5	7.2	<0.5	39	0.72	0.068
3200552	Drill Core	6.38	3.8	40.5	31.3	175	0.5	46.2	8.3	1145	3.41	16	1.1	4.1	84	<0.5	4.6	<0.5	34	0.67	0.078
3200553	Drill Core	6.90	4.0	22.5	33.8	80	0.6	59.3	9.9	1239	2.97	14	1.7	5.5	58	1.4	6.2	<0.5	34	0.16	0.083
3200554	Drill Core	6.40	5.3	34.5	50.3	66	1.0	73.4	11.1	585	2.57	19	2.0	6.1	35	1.4	8.6	<0.5	36	0.17	0.071
3200555	Drill Core	5.87	4.3	40.6	36.4	55	0.8	53.4	9.2	230	2.71	15	2.3	6.0	37	3.2	7.5	<0.5	34	0.15	0.072
3200556	Drill Core	6.47	5.0	64.1	41.5	48	0.8	67.6	9.7	348	3.47	15	2.2	5.7	39	1.7	7.0	<0.5	39	0.16	0.078
3200557	Drill Core	7.76	4.4	79.1	38.6	35	0.7	47.5	9.3	1663	6.16	15	1.4	4.8	29	<0.5	5.2	<0.5	35	0.18	0.066
3200558	Drill Core	5.66	4.5	94.4	40.5	41	0.7	58.3	9.2	352	5.06	19	1.6	5.7	33	1.0	6.5	<0.5	27	0.14	0.058
3200559	Drill Core	7.02	5.0	81.5	39.5	60	0.9	57.1	10.4	776	4.56	14	1.7	5.8	40	0.5	6.0	<0.5	30	0.17	0.071
3200560	Drill Core	6.81	5.7	80.3	44.0	61	0.9	57.8	10.1	776	3.53	16	1.8	6.2	37	1.7	6.6	<0.5	31	0.16	0.073



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Method Analyte Unit MDL		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
3200531	Drill Core	6.8	16.9	0.01	1034	0.002	1.97	<0.01	0.10	5.8	0.25	2.6	4.3	1.95	<5	5	70.65	6.76	6.06	0.31	0.14
3200532	Drill Core	6.4	17.0	0.01	710	0.002	1.68	<0.01	0.13	1.2	7.34	1.6	2.0	3.62	<5	6	70.06	5.32	4.61	0.27	0.10
3200533	Drill Core	7.4	19.9	0.01	698	0.003	2.33	<0.01	0.08	0.6	1.58	3.9	9.7	2.73	<5	8	67.20	6.91	5.66	0.36	0.11
3200534	Drill Core	9.3	78.5	<0.01	396	0.113	1.63	<0.01	0.06	0.6	16.94	3.7	1.2	5.78	7	21	62.73	5.15	3.48	0.28	0.03
3200535	Drill Core	7.7	67.8	<0.01	304	0.101	0.99	<0.01	<0.01	1.2	21.31	5.6	0.5	6.17	<5	14	52.54	3.74	3.02	0.15	0.02
3200536	Drill Core	7.5	63.2	<0.01	207	0.092	0.69	<0.01	<0.01	1.3	20.26	10.9	<0.5	5.85	<5	17	50.95	3.80	5.31	0.11	0.04
3200537	Drill Core	9.1	71.7	0.01	178	0.104	0.68	<0.01	<0.01	1.1	23.54	12.5	<0.5	6.62	<5	20	52.71	4.50	5.82	0.10	0.02
3200538	Drill Core	13.0	112.0	0.01	514	0.156	1.19	<0.01	0.04	0.8	12.95	3.9	1.8	4.99	6	12	64.55	6.90	3.82	0.29	0.04
3200539	Drill Core	9.1	47.6	0.01	348	0.030	0.75	<0.01	0.03	<0.5	9.82	3.1	1.6	4.29	<5	13	70.46	5.51	3.85	0.21	0.06
3200540	Drill Core	10.7	19.0	0.01	904	0.002	2.31	<0.01	0.09	<0.5	7.49	3.3	6.0	3.08	<5	8	66.57	6.60	4.81	0.34	0.09
3200541	Drill Core	8.9	21.4	0.02	961	0.003	2.65	<0.01	0.09	<0.5	0.64	6.2	5.9	2.24	<5	7	63.99	7.41	7.22	0.42	0.14
3200542	Rock	7.4	5.4	0.86	208	0.185	2.16	0.31	0.31	<0.5	0.14	3.8	<0.5	<0.05	6	<2	60.68	16.85	6.33	6.20	2.90
3200543	Drill Core	10.0	19.2	0.02	1585	0.004	2.46	<0.01	0.09	<0.5	0.51	4.1	2.6	1.95	<5	5	66.31	7.47	7.68	0.41	0.17
3200544	Drill Core	12.1	19.6	0.02	2938	0.003	2.55	<0.01	0.10	<0.5	0.73	3.5	1.1	1.13	<5	7	69.07	7.39	5.26	0.43	0.18
3200545	Drill Core	9.3	20.5	0.02	1582	0.003	2.15	<0.01	0.11	<0.5	0.53	3.7	2.2	1.99	<5	6	69.73	7.04	6.40	0.49	0.17
3200546	Drill Core	9.4	19.4	0.02	1246	0.003	2.15	<0.01	0.11	<0.5	0.49	3.0	2.0	1.96	<5	6	68.55	7.36	5.97	0.39	0.18
3200547	Drill Core	8.6	18.6	0.02	1016	0.004	2.02	<0.01	0.12	<0.5	0.33	2.9	0.9	2.42	<5	10	69.84	7.03	6.32	0.41	0.19
3200548	Drill Core	8.4	15.2	0.01	1578	0.004	1.95	<0.01	0.13	<0.5	0.13	2.4	0.9	2.19	<5	8	71.20	7.08	4.76	0.40	0.21
3200549	Drill Core	9.0	17.5	0.02	1103	0.004	1.73	<0.01	0.14	<0.5	0.15	3.7	0.7	2.96	<5	10	71.18	7.09	5.88	0.37	0.22
3200550	Drill Core	9.4	14.5	0.02	710	0.004	1.67	<0.01	0.12	<0.5	0.18	2.9	0.7	3.33	<5	8	68.72	7.75	6.31	0.41	0.24
3200551	Drill Core	12.0	10.2	0.24	1503	0.004	1.90	<0.01	0.17	<0.5	0.13	3.3	<0.5	2.54	<5	3	67.66	9.09	6.51	1.04	0.69
3200552	Drill Core	9.9	9.8	0.21	1709	0.004	1.17	<0.01	0.17	<0.5	0.10	3.5	<0.5	2.07	<5	4	72.73	8.29	5.25	0.99	0.64
3200553	Drill Core	12.7	9.0	0.02	2549	0.004	0.55	<0.01	0.20	<0.5	0.16	2.1	<0.5	1.82	<5	3	75.02	9.26	4.63	0.22	0.39
3200554	Drill Core	14.6	12.5	0.02	1359	0.004	0.60	<0.01	0.25	<0.5	0.30	2.2	<0.5	2.09	<5	5	74.26	10.71	4.12	0.23	0.45
3200555	Drill Core	15.7	11.8	0.02	1315	0.004	0.56	<0.01	0.25	<0.5	0.20	2.1	<0.5	2.74	<5	<2	74.58	9.48	4.25	0.21	0.40
3200556	Drill Core	15.4	11.9	0.02	1369	0.004	0.58	<0.01	0.25	<0.5	0.22	2.4	<0.5	3.43	<5	5	72.92	9.84	5.37	0.23	0.40
3200557	Drill Core	12.4	9.6	0.03	802	0.004	0.47	<0.01	0.23	<0.5	0.19	1.5	<0.5	5.08	<5	<2	70.02	8.33	9.33	0.24	0.37
3200558	Drill Core	13.1	9.2	0.02	658	0.003	0.43	<0.01	0.19	<0.5	0.16	2.2	<0.5	5.42	<5	5	72.37	8.16	7.71	0.19	0.34
3200559	Drill Core	17.4	9.4	0.02	727	0.003	0.46	<0.01	0.23	<0.5	0.23	2.4	<0.5	4.11	<5	3	71.74	9.76	7.13	0.24	0.42
3200560	Drill Core	18.9	9.1	0.02	827	0.003	0.47	<0.01	0.21	<0.5	0.11	2.0	<0.5	2.92	<5	3	72.57	9.84	5.55	0.23	0.41



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Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC008	TC008
Analyte	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.05	0.05
3200531 Drill Core	0.71	0.09	0.33	0.25	0.01	5.34	<0.01	0.01	0.18	6.87	98.40	0.10	2.60	3.19	1.75	0.73	0.44	2.69	1.49
3200532 Drill Core	0.59	0.08	0.26	0.20	<0.01	4.38	0.01	0.02	4.82	6.66	99.12	0.08	2.45	4.65	1.50	0.81	0.49	2.56	6.27
3200533 Drill Core	0.45	0.08	0.35	0.26	0.01	6.19	<0.01	0.06	1.28	8.26	98.24	0.11	3.02	4.22	1.46	1.43	0.46	3.15	3.22
3200534 Drill Core	0.08	0.10	0.32	0.20	<0.01	3.75	<0.01	1.29	10.79	8.44	99.86	0.10	3.06	6.64	2.89	<0.02	0.55	1.94	14.09
3200535 Drill Core	<0.01	0.08	0.20	0.19	<0.01	10.01	<0.01	0.97	10.84	8.93	94.65	0.07	2.00	8.64	1.81	<0.02	0.67	1.76	20.65
3200536 Drill Core	<0.01	0.23	0.20	0.18	<0.01	9.56	<0.01	1.38	10.59	10.07	96.29	0.07	2.47	8.04	1.86	0.06	2.03	1.65	19.17
3200537 Drill Core	<0.01	0.27	0.24	0.20	<0.01	5.39	<0.01	1.41	11.92	11.28	97.52	0.08	2.91	8.16	2.25	<0.02	2.39	1.57	19.76
3200538 Drill Core	0.05	0.08	0.42	0.31	0.02	2.66	<0.01	0.52	7.40	10.30	99.59	0.14	4.62	5.68	4.52	<0.02	0.33	2.43	9.75
3200539 Drill Core	0.12	0.09	0.30	0.21	<0.01	1.75	<0.01	0.36	5.73	8.26	98.58	0.11	3.20	4.63	3.04	<0.02	0.54	1.99	7.91
3200540 Drill Core	0.35	0.09	0.32	0.27	<0.01	5.84	<0.01	0.04	3.99	8.37	99.40	0.11	2.91	4.18	2.56	0.14	0.77	2.09	6.27
3200541 Drill Core	0.56	0.14	0.37	0.33	0.01	7.61	<0.01	<0.01	0.24	9.12	98.52	0.14	3.58	3.99	3.07	0.22	1.10	3.21	2.35
3200542 Rock	1.52	0.15	0.52	0.14	<0.01	0.06	<0.01	<0.01	<0.01	0.89	99.62	0.03	0.02	<0.02	<0.02	<0.02	<0.08	<0.05	0.16
3200543 Drill Core	0.60	0.22	0.37	0.34	0.01	5.82	<0.01	<0.01	0.18	8.91	99.23	0.14	3.71	3.24	3.03	0.27	1.49	2.76	1.43
3200544 Drill Core	0.69	0.16	0.37	0.32	0.01	6.09	<0.01	0.01	0.28	7.33	98.37	0.14	3.97	2.42	3.34	0.40	0.86	2.14	0.82
3200545 Drill Core	0.75	0.13	0.34	0.42	0.01	5.38	<0.01	<0.01	0.26	7.82	99.64	0.14	3.35	3.04	2.93	0.18	0.87	2.63	1.21
3200546 Drill Core	0.78	0.09	0.37	0.39	0.02	5.46	<0.01	0.01	0.28	8.23	98.77	0.14	3.63	3.07	3.13	0.31	0.67	2.55	1.55
3200547 Drill Core	0.84	0.15	0.34	0.32	0.01	4.92	<0.01	<0.01	0.21	8.19	99.40	0.14	3.91	3.39	3.31	0.38	0.81	3.04	1.06
3200548 Drill Core	0.99	0.06	0.36	0.30	<0.01	4.70	<0.01	0.01	0.03	7.12	97.79	0.14	4.12	3.15	3.44	0.63	0.17	3.03	0.34
3200549 Drill Core	1.07	0.09	0.36	0.27	<0.01	4.16	<0.01	0.01	0.03	7.06	98.27	0.13	3.32	3.58	2.95	0.27	0.35	3.42	0.47
3200550 Drill Core	1.14	0.08	0.38	0.38	0.01	5.22	<0.01	<0.01	0.04	7.88	99.19	0.13	3.14	4.41	2.88	0.18	0.29	3.86	1.64
3200551 Drill Core	1.53	0.18	0.51	0.17	<0.01	4.69	<0.01	<0.01	0.03	6.21	98.91	0.06	1.67	3.28	1.26	0.02	1.43	2.85	1.29
3200552 Drill Core	1.54	0.16	0.48	0.19	<0.01	2.95	<0.01	<0.01	0.01	5.43	99.02	0.06	1.55	2.50	1.09	0.05	1.46	2.15	1.07
3200553 Drill Core	2.19	0.19	0.52	0.20	<0.01	1.37	<0.01	<0.01	<0.01	4.65	98.82	0.06	1.42	1.80	1.12	0.05	0.94	1.67	0.40
3200554 Drill Core	2.65	0.10	0.59	0.19	<0.01	1.23	<0.01	<0.01	<0.01	4.81	99.55	0.07	1.58	2.08	1.39	0.06	0.45	2.00	0.25
3200555 Drill Core	2.38	0.05	0.52	0.19	<0.01	1.49	<0.01	<0.01	<0.01	4.95	98.72	0.06	1.53	2.77	1.39	0.09	0.17	2.59	0.55
3200556 Drill Core	2.51	0.07	0.53	0.19	<0.01	0.98	<0.01	<0.01	<0.01	5.47	98.68	0.07	1.66	3.38	1.50	0.07	0.31	3.29	0.29
3200557 Drill Core	2.12	0.23	0.47	0.15	<0.01	0.73	<0.01	<0.01	<0.01	7.24	99.36	0.06	1.98	5.05	1.57	0.06	1.26	4.89	0.47
3200558 Drill Core	2.09	0.07	0.46	0.15	<0.01	0.67	<0.01	<0.01	<0.01	6.86	99.22	0.06	2.12	5.46	1.91	0.16	0.19	5.38	0.24
3200559 Drill Core	2.56	0.12	0.55	0.18	<0.01	0.78	<0.01	<0.01	<0.01	6.24	99.86	0.06	1.76	3.97	1.49	0.09	0.64	3.89	0.24
3200560 Drill Core	2.56	0.13	0.54	0.17	<0.01	0.75	<0.01	<0.01	<0.01	5.82	98.73	0.07	2.03	2.92	1.61	0.24	0.66	2.84	0.24



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Project: MacMillan Pass

Report Date: August 15, 2019

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CERTIFICATE OF ANALYSIS

WHI19000193.1

	Method																				
	Analyte	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
	Unit	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
	MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
3200561	Drill Core	5.79	5.0	115.2	36.0	66	0.8	58.2	9.3	1229	4.27	16	2.0	5.9	42	10.2	6.6	<0.5	36	0.18	0.080



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Project: MacMillan Pass

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CERTIFICATE OF ANALYSIS

WHI19000193.1

Method	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
Analyte	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
Unit	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
MDL	0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
3200561 Drill Core	18.8	12.4	0.03	788	0.003	0.52	<0.01	0.24	<0.5	0.08	3.7	<0.5	2.89	<5	4	72.02	9.68	6.66	0.25	0.41



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CERTIFICATE OF ANALYSIS

WHI19000193.1

Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC008	TC008
Analyte	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.05	0.05
3200561 Drill Core	2.55	0.18	0.53	0.20	0.01	0.71	<0.01	<0.01	<0.01	6.02	99.33	0.07	1.99	2.87	1.54	0.12	1.22	2.75	0.35



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3200529	Drill Core	4.90	15.5	50.4	62.1	690	0.7	63.3	6.7	397	2.59	27	1.7	3.5	23	<0.5	18.7	<0.5	82	0.20	0.087
3200557	Drill Core	7.76	4.4	79.1	38.6	35	0.7	47.5	9.3	1663	6.16	15	1.4	4.8	29	<0.5	5.2	<0.5	35	0.18	0.066
Pulp Duplicates																					
3200506	Drill Core	5.35	27.4	284.7	90.7	14	1.1	92.5	14.7	42	3.83	58	2.4	4.1	16	<0.5	28.7	<0.5	21	<0.01	0.019
REP 3200506	QC																				
3200511	Drill Core	3.83	27.1	308.4	87.4	25	0.8	90.9	11.7	54	2.59	46	10.8	4.5	84	<0.5	19.9	<0.5	48	<0.01	0.077
REP 3200511	QC																				
3200515	Drill Core	6.90	22.5	399.5	98.5	15	0.7	65.9	7.3	45	1.80	29	8.5	5.0	32	<0.5	19.6	<0.5	60	<0.01	0.022
REP 3200515	QC																				
3200522	Drill Core	4.24	17.1	98.7	53.9	73	0.7	61.4	6.7	52	1.74	24	2.9	3.8	112	2.1	13.5	<0.5	65	0.04	0.064
REP 3200522	QC		17.7	94.0	52.4	74	0.6	60.1	7.3	47	1.75	26	2.8	3.6	109	1.9	13.3	<0.5	65	0.04	0.067
3200527	Drill Core	5.44	18.8	45.5	52.7	328	0.7	64.4	5.7	135	1.94	28	1.7	3.5	21	<0.5	15.6	<0.5	84	0.20	0.090
REP 3200527	QC																				
3200528	Drill Core	3.62	17.5	50.1	59.6	351	0.7	60.8	5.7	277	2.22	26	1.6	3.6	22	<0.5	15.1	<0.5	81	0.19	0.090
REP 3200528	QC																				
3200539	Drill Core	3.47	17.3	94.8	3730.6	59974	2.9	63.1	6.5	566	2.65	45	2.3	2.8	63	27.9	14.8	<0.5	250	0.15	0.078
REP 3200539	QC																				
3200542	Rock	1.16	4.4	52.2	5.1	67	<0.5	4.6	9.3	432	2.96	<5	0.9	2.6	113	<0.5	<0.5	<0.5	101	1.17	0.052
REP 3200542	QC																				
3200548	Drill Core	6.15	19.8	59.8	116.9	275	1.0	70.7	4.4	234	3.21	32	3.2	3.1	61	<0.5	10.4	<0.5	89	0.28	0.117
REP 3200548	QC																				
3200551	Drill Core	7.05	5.1	53.6	54.0	372	0.7	47.0	8.7	1162	4.27	17	1.4	4.7	88	<0.5	7.2	<0.5	39	0.72	0.068
REP 3200551	QC																				
REP 3200555	QC		4.3	42.3	35.7	61	0.8	53.2	10.4	220	2.80	16	2.4	5.5	36	2.7	7.3	<0.5	35	0.15	0.069
3200558	Drill Core	5.66	4.5	94.4	40.5	41	0.7	58.3	9.2	352	5.06	19	1.6	5.7	33	1.0	6.5	<0.5	27	0.14	0.058
REP 3200558	QC																				
3200560	Drill Core	6.81	5.7	80.3	44.0	61	0.9	57.8	10.1	776	3.53	16	1.8	6.2	37	1.7	6.6	<0.5	31	0.16	0.073
REP 3200560	QC																				
Core Reject Duplicates																					



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
3200529	Drill Core	11.4	16.4	0.02	>5000	0.003	2.30	<0.01	0.12	1.0	0.11	2.2	0.8	0.92	<5	5	72.78	7.98	3.98	0.30	0.23
3200557	Drill Core	12.4	9.6	0.03	802	0.004	0.47	<0.01	0.23	<0.5	0.19	1.5	<0.5	5.08	<5	<2	70.02	8.33	9.33	0.24	0.37
Pulp Duplicates																					
3200506	Drill Core	8.0	10.4	0.01	736	0.003	0.38	<0.01	0.19	<0.5	0.18	3.4	1.1	4.33	<5	4	72.52	8.74	5.91	<0.01	0.43
REP 3200506	QC																				
3200511	Drill Core	11.7	21.7	0.01	1211	0.003	0.49	<0.01	0.19	<0.5	0.07	4.7	1.1	2.83	<5	5	74.29	9.27	4.19	0.01	0.45
REP 3200511	QC																74.23	9.26	4.21	0.01	0.43
3200515	Drill Core	12.4	14.8	0.02	957	0.003	0.46	<0.01	0.22	<0.5	0.09	5.0	0.7	1.94	<5	5	76.07	9.45	2.96	<0.01	0.47
REP 3200515	QC																				
3200522	Drill Core	10.1	13.5	0.02	1992	0.004	0.51	<0.01	0.19	<0.5	0.09	0.9	0.8	1.80	<5	5	77.60	8.38	2.78	0.06	0.40
REP 3200522	QC	10.0	14.3	0.02	1599	0.004	0.51	<0.01	0.19	<0.5	0.06	1.4	0.7	1.79	<5	5					
3200527	Drill Core	9.3	13.6	0.02	2655	0.004	1.35	<0.01	0.15	<0.5	0.10	1.8	0.8	1.21	<5	6	75.80	7.87	3.03	0.29	0.32
REP 3200527	QC																				
3200528	Drill Core	9.7	14.5	0.02	2601	0.004	1.56	<0.01	0.13	<0.5	0.11	1.5	0.7	1.22	<5	6	75.29	7.91	3.54	0.29	0.28
REP 3200528	QC																75.29	7.92	3.53	0.29	0.26
3200539	Drill Core	9.1	47.6	0.01	348	0.030	0.75	<0.01	0.03	<0.5	9.82	3.1	1.6	4.29	<5	13	70.46	5.51	3.85	0.21	0.06
REP 3200539	QC																				
3200542	Rock	7.4	5.4	0.86	208	0.185	2.16	0.31	0.31	<0.5	0.14	3.8	<0.5	<0.05	6	<2	60.68	16.85	6.33	6.20	2.90
REP 3200542	QC																60.56	16.78	6.32	6.20	2.90
3200548	Drill Core	8.4	15.2	0.01	1578	0.004	1.95	<0.01	0.13	<0.5	0.13	2.4	0.9	2.19	<5	8	71.20	7.08	4.76	0.40	0.21
REP 3200548	QC																				
3200551	Drill Core	12.0	10.2	0.24	1503	0.004	1.90	<0.01	0.17	<0.5	0.13	3.3	<0.5	2.54	<5	3	67.66	9.09	6.51	1.04	0.69
REP 3200551	QC																				
REP 3200555	QC	14.7	10.6	0.02	1432	0.008	0.54	<0.01	0.23	<0.5	0.21	2.2	<0.5	2.86	<5	<2					
3200558	Drill Core	13.1	9.2	0.02	658	0.003	0.43	<0.01	0.19	<0.5	0.16	2.2	<0.5	5.42	<5	5	72.37	8.16	7.71	0.19	0.34
REP 3200558	QC																72.59	8.17	7.70	0.20	0.35
3200560	Drill Core	18.9	9.1	0.02	827	0.003	0.47	<0.01	0.21	<0.5	0.11	2.0	<0.5	2.92	<5	3	72.57	9.84	5.55	0.23	0.41
REP 3200560	QC																				
Core Reject Duplicates																					



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC008	TC008	
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.05	0.05
3200529	Drill Core	0.97	0.08	0.41	0.22	0.01	5.83	<0.01	<0.01	0.07	6.01	99.60	0.12	2.64	2.16	1.72	0.80	0.42	1.92	0.71	
3200557	Drill Core	2.12	0.23	0.47	0.15	<0.01	0.73	<0.01	<0.01	<0.01	7.24	99.36	0.06	1.98	5.05	1.57	0.06	1.26	4.89	0.47	
Pulp Duplicates																					
3200506	Drill Core	2.26	0.03	0.45	0.05	<0.01	0.67	0.02	<0.01	<0.01	8.22	99.42	0.05	3.60	4.47	3.29	0.30	<0.08	4.40	0.21	
REP 3200506	QC																				0.20
3200511	Drill Core	2.31	0.03	0.47	0.21	0.02	0.91	0.02	0.01	<0.01	7.75	100.09	0.09	3.97	3.04	3.83	0.14	<0.08	2.94	0.31	
REP 3200511	QC	2.30	0.03	0.45	0.20	0.03	0.91	0.02	<0.01	<0.01	7.75	99.98	0.08								
3200515	Drill Core	2.41	0.03	0.50	0.06	0.02	0.77	0.03	<0.01	<0.01	6.18	99.10	0.12	3.18	1.99	2.69	0.49	<0.08	1.94	0.14	
REP 3200515	QC																				<0.08
3200522	Drill Core	2.00	0.03	0.41	0.15	0.01	1.25	<0.01	<0.01	0.01	5.44	98.70	0.12	2.65	1.90	2.12	0.53	<0.08	1.80	0.28	
REP 3200522	QC																				
3200527	Drill Core	1.41	0.04	0.41	0.24	0.02	3.38	<0.01	<0.01	0.04	5.64	98.91	0.15	2.62	1.80	1.40	1.19	0.11	1.63	0.51	
REP 3200527	QC														2.72	1.88					
3200528	Drill Core	1.27	0.06	0.41	0.23	0.02	3.84	<0.01	<0.01	0.04	6.00	99.65	0.14	2.85	1.96	2.01	0.76	0.25	1.84	0.36	
REP 3200528	QC	1.26	0.06	0.41	0.22	<0.01	3.83	<0.01	<0.01	0.04	6.00	99.59	0.15								
3200539	Drill Core	0.12	0.09	0.30	0.21	<0.01	1.75	<0.01	0.36	5.73	8.26	98.58	0.11	3.20	4.63	3.04	<0.02	0.54	1.99	7.91	
REP 3200539	QC																				8.56
3200542	Rock	1.52	0.15	0.52	0.14	<0.01	0.06	<0.01	<0.01	<0.01	0.89	99.62	0.03	0.02	<0.02	<0.02	<0.02	<0.08	<0.05	0.16	
REP 3200542	QC	1.51	0.16	0.53	0.15	<0.01	0.06	<0.01	<0.01	<0.01	0.89	99.40	0.03								<0.02
3200548	Drill Core	0.99	0.06	0.36	0.30	<0.01	4.70	<0.01	0.01	0.03	7.12	97.79	0.14	4.12	3.15	3.44	0.63	0.17	3.03	0.34	
REP 3200548	QC																			0.19	
3200551	Drill Core	1.53	0.18	0.51	0.17	<0.01	4.69	<0.01	<0.01	0.03	6.21	98.91	0.06	1.67	3.28	1.26	0.02	1.43	2.85	1.29	
REP 3200551	QC																				1.33
REP 3200555	QC																				
3200558	Drill Core	2.09	0.07	0.46	0.15	<0.01	0.67	<0.01	<0.01	<0.01	6.86	99.22	0.06	2.12	5.46	1.91	0.16	0.19	5.38	0.24	
REP 3200558	QC	2.11	0.07	0.45	0.17	<0.01	0.66	<0.01	<0.01	<0.01	6.86	99.45	0.06								
3200560	Drill Core	2.56	0.13	0.54	0.17	<0.01	0.75	<0.01	<0.01	<0.01	5.82	98.73	0.07	2.03	2.92	1.61	0.24	0.66	2.84	0.24	
REP 3200560	QC														1.97	2.80					
Core Reject Duplicates																					



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		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3200521	Drill Core	6.59	22.7	483.4	86.6	179	0.6	87.9	13.6	45	2.34	31	4.9	4.9	99	8.1	20.5	<0.5	60	<0.01	0.034
DUP 3200521	QC		23.0	491.2	89.4	177	0.7	91.3	13.2	45	2.39	34	5.0	4.4	103	8.5	21.6	<0.5	57	<0.01	0.036
3200555	Drill Core	5.87	4.3	40.6	36.4	55	0.8	53.4	9.2	230	2.71	15	2.3	6.0	37	3.2	7.5	<0.5	34	0.15	0.072
DUP 3200555	QC		4.5	40.8	37.5	61	0.9	55.2	10.6	212	2.78	16	2.3	5.7	37	2.7	7.1	<0.5	34	0.15	0.071
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard		8.5	305.7	17465.2	28582	56.3	35.8	27.9	3974	8.98	951	8.9	10.7	28	66.7	39.2	5.3	33	1.81	0.095
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard		4.9	49723.2	865.1	2187	979.8	1568.6	95.7	92	3.64	1634	0.9	2.3	45	13.8	297.9	19.7	<10	0.18	0.012
STD OREAS605	Standard		5.0	48933.0	887.2	2103	987.1	1534.8	92.4	86	3.60	1635	0.9	2.5	53	13.1	299.2	19.1	<10	0.18	0.011
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard		1.2	10728.6	211.0	708	5.6	30.8	29.0	1103	7.91	10	1.5	12.6	13	1.0	1.2	65.9	35	0.29	0.047
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				



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		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725	
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO	
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01	
3200521	Drill Core	10.9	17.3	0.02	1200	0.004	0.58	<0.01	0.19	<0.5	0.08	3.4	1.9	2.63	<5	4	74.15	9.64	3.66	0.02	0.44	
DUP 3200521	QC	9.9	17.2	0.02	1033	0.004	0.56	<0.01	0.19	<0.5	0.11	3.6	1.9	2.69	<5	4	74.70	9.72	3.76	0.01	0.44	
3200555	Drill Core	15.7	11.8	0.02	1315	0.004	0.56	<0.01	0.25	<0.5	0.20	2.1	<0.5	2.74	<5	<2	74.58	9.48	4.25	0.21	0.40	
DUP 3200555	QC	13.6	9.9	0.02	1024	0.004	0.53	<0.01	0.23	<0.5	0.22	2.1	<0.5	2.84	<5	2	74.57	9.49	4.35	0.20	0.39	
Reference Materials																						
STD COO1	Standard																					
STD COO1	Standard																					
STD COO1	Standard																					
STD COO1	Standard																					
STD GGC-10	Standard																					
STD GGC-10	Standard																					
STD GGC-10	Standard																					
STD GGC-10	Standard																					
STD GGC-10	Standard																					
STD GS311-1	Standard																					
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD GS910-4	Standard																					
STD OREAS135	Standard	39.4	21.4	0.82	399	0.027	1.12	0.02	0.49	3.4	1.23	3.9	6.5	7.26	<5	<2						
STD OREAS133B(D)	Standard																	34.54	7.09	11.54	5.24	3.80
STD OREAS133B(D)	Standard																	34.69	7.13	11.57	5.31	3.86
STD OREAS605	Standard	7.0	33.0	0.03	200	0.010	0.71	0.03	0.14	7.0	1.65	1.0	15.6	7.81	6	79						
STD OREAS605	Standard	7.7	28.3	0.03	262	0.010	0.73	0.03	0.14	7.1	1.55	1.4	16.4	7.75	6	79						
STD OREAS72B	Standard																	51.06	8.86	9.97	3.96	16.11
STD OREAS72B	Standard																	51.12	8.88	9.92	3.99	16.09
STD OREAS927-AR	Standard	25.9	39.4	1.85	43	0.080	3.23	<0.01	0.26	5.5	<0.05	4.3	<0.5	1.68	8	16						
STD RTS-3A	Standard																					
STD RTS-3A	Standard																					
STD RTS-3A	Standard																					



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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC008	TC008
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.05	0.05
3200521	Drill Core	2.22	0.03	0.48	0.09	0.02	1.30	0.04	<0.01	0.02	6.54	98.87	0.12	2.88	2.75	2.47	0.41	<0.08	2.63	0.33
DUP 3200521	QC	2.22	0.03	0.48	0.09	<0.01	1.34	0.05	<0.01	0.02	6.52	99.61	0.12	2.86	2.81	2.40	0.46	<0.08	2.71	0.32
3200555	Drill Core	2.38	0.05	0.52	0.19	<0.01	1.49	<0.01	<0.01	<0.01	4.95	98.72	0.06	1.53	2.77	1.39	0.09	0.17	2.59	0.55
DUP 3200555	QC	2.41	0.05	0.52	0.18	0.01	1.49	<0.01	<0.01	<0.01	5.09	98.95	0.06	1.53	2.74	1.38	0.11	0.16	2.56	0.55
Reference Materials																				
STD COO1	Standard																	2.28		
STD COO1	Standard																	2.26		
STD COO1	Standard																	2.37		
STD COO1	Standard																	2.30		
STD GGC-10	Standard																4.90			
STD GGC-10	Standard																4.77			
STD GGC-10	Standard																4.42			
STD GGC-10	Standard																4.69			
STD GGC-10	Standard																4.33			
STD GS311-1	Standard													0.98	2.25					
STD GS311-1	Standard													1.02	2.32					
STD GS910-4	Standard													2.64	8.15					
STD GS910-4	Standard													2.77	8.21					
STD OREAS135	Standard																			
STD OREAS133B(D)	Standard	3.43	0.16	0.21	0.11	<0.01	0.08	0.05	5.07	11.35	13.03	99.05	0.02							
STD OREAS133B(D)	Standard	3.50	0.16	0.22	0.12	<0.01	0.07	0.05	5.07	11.41	13.03	99.58	<0.01							
STD OREAS605	Standard																			
STD OREAS605	Standard																			
STD OREAS72B	Standard	1.33	0.15	0.34	0.05	0.15	0.04	0.02	<0.01	<0.01	5.12	98.48	0.01							
STD OREAS72B	Standard	1.33	0.15	0.35	0.05	0.14	0.03	0.02	<0.01	0.01	5.12	98.55	0.01							
STD OREAS927-AR	Standard																			
STD RTS-3A	Standard																			3.49
STD RTS-3A	Standard																			3.29
STD RTS-3A	Standard																			3.14



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		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
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	34	0.3	0.054
STD OREAS605 Expected			4.75	49800	856	2170	984	1568	96	86	3.75	1674	0.92		49	13.6	307	19	7.8	0.182	0.0105
STD OREAS135 Expected			8.25	294	17000	28000	55.2	36	29.6	3960	8.97	937	9.4	10.4	26.5	67	38	5.1	33.4	1.83	0.086
STD RTS-3A Expected																					
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					
STD COO1 Expected																					
STD GGC-10 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.5	0.6	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01	<0.001
BLK	Blank		<0.5	1.0	<0.5	5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
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BLK	Blank																				
SI BLK	Blank																				
SI BLK	Blank																				
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		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725	
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD SY-4(D)	Standard																				
STD SY-4(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD OREAS927-AR Expected		26.9	41.7	1.94	51.4	0.085	3.25	0.011	0.27	4.9	0.12	4.74		1.77	9.09	15.5					
STD OREAS605 Expected		7.5	27.5	0.0289	160	0.01	0.73	0.0328	0.134	7.1	1.7	1.05	15.9	7.86	6.7	79					
STD OREAS135 Expected		39.8	22	0.833	366	0.026	1.09	0.017	0.487	2.93	1.21	3.51	6.27	7.08	4.8						
STD RTS-3A Expected																					
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) Expected																					
STD COO1 Expected																					
STD GGC-10 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.5	<0.5	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.05	<0.5	<0.5	<0.05	<5	<2					
BLK	Blank	<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																				
BLK	Blank																				
SI BLK	Blank																				
SI BLK	Blank																				
BLK	Blank																				
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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC008	TC008		
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.05	0.05	
STD RTS-3A	Standard																			3.17	
STD RTS-3A	Standard																			3.43	
STD SY-4(D)	Standard	1.66	0.11	0.29	0.14	<0.01	0.04	<0.01	<0.01	<0.01	4.56	99.48	<0.01								
STD SY-4(D)	Standard	1.66	0.11	0.29	0.14	<0.01	0.05	<0.01	<0.01	0.01	4.56	99.23	<0.01								
STD GS311-1 Expected														1.02	2.35						
STD GS910-4 Expected														2.65	8.27						
STD OREAS927-AR Expected																					
STD OREAS605 Expected																					
STD OREAS135 Expected																					
STD RTS-3A Expected																				3.3	
STD SY-4(D) Expected		1.66	0.108	0.287	0.131	0.0345						4.56									
STD OREAS72B Expected		1.313	0.13	0.355	0.061	0.142	0.0335	0.0193				5.12									
STD OREAS133B(D) Expected								0.08	0.032	5.06	11.35										
STD COO1 Expected																		2.37			
STD GGC-10 Expected																4.79					
BLK	Blank													<0.02	<0.02						
BLK	Blank													<0.02	<0.02						
BLK	Blank																			<0.05	
BLK	Blank																				
BLK	Blank																				
BLK	Blank																			<0.05	
BLK	Blank																			<0.05	
BLK	Blank																<0.02				
BLK	Blank																<0.02				
BLK	Blank																	<0.08			
SI BLK	Blank	<0.01	0.03	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.36	<0.01								
SI BLK	Blank	<0.01	0.02	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.00	99.00	<0.01								
BLK	Blank																	<0.08			
BLK	Blank																<0.02				



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		WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
Prep Wash																					
ROCK-WHI	Prep Blank		0.8	2.1	1.2	28	<0.5	0.7	3.1	526	1.95	<5	<0.5	2.8	21	<0.5	<0.5	<0.5	23	0.59	0.036
ROCK-WHI	Prep Blank		1.4	1.4	1.0	29	<0.5	0.7	3.2	500	1.92	<5	<0.5	2.4	22	<0.5	<0.5	<0.5	23	0.60	0.037



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		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	LF725	LF725	LF725	LF725	LF725	
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	SiO2	Al2O3	Fe2O3	CaO	MgO
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%
		0.5	0.5	0.01	5	0.001	0.01	0.01	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01	0.01
Prep Wash																					
ROCK-WHI	Prep Blank	6.1	3.6	0.45	56	0.096	0.88	0.11	0.09	<0.5	<0.05	3.2	<0.5	<0.05	<5	<2	70.53	13.90	3.41	2.26	0.85
ROCK-WHI	Prep Blank	6.3	2.2	0.44	73	0.092	0.92	0.12	0.12	<0.5	<0.05	3.6	<0.5	<0.05	<5	<2	71.04	14.08	3.37	2.30	0.84



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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC008	TC008	
		K2O	MnO	TiO2	P2O5	Cr2O3	Ba	Cu	Pb	Zn	LOI	SUM_T	V2O5	TOT/C	TOT/S	C/ORG	C/GRA	CO2	S/S-	SO4
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.05	0.05
Prep Wash																				
ROCK-WHI	Prep Blank	1.96	0.11	0.34	0.08	<0.01	0.10	<0.01	<0.01	<0.01	0.81	99.03	<0.01	0.09	<0.02	0.04	<0.02	0.20	<0.05	0.16
ROCK-WHI	Prep Blank	2.02	0.11	0.34	0.09	<0.01	0.09	<0.01	<0.01	<0.01	0.80	99.75	<0.01	0.08	<0.02	0.06	<0.02	0.11	<0.05	0.16