



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: July 25, 2019
Report Date: August 15, 2019
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI19000264.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ19-BV-015
P.O. Number
Number of Samples: 40

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	39	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	1	Sort, label and box pulps			WHI
CRUBW	39	Extra clean rock wash between samples in crusher			WHI
PULSW	39	Extra Wash with Silica between each sample			WHI
AQ270	40	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	40	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC000	40	Total C/S Analysis by Leco	0.1	Completed	VAN
TC007	40	Graphite and Organic C by Leco After Ignition	0.1	Completed	VAN
TC006	40	Inorganic Carbon	0.2	Completed	VAN
TC009	40	Sulfide and Sulfate	0.1	Completed	VAN
SHP01	40	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
3200836	Drill Core	3.98	8.1	39.9	>40000	71520	22.8	35.4	29.6	38	1.40	102	2.7	1.8	26	504.9	23.8	<0.5	179	<0.01	0.029
3200837	Drill Core	4.66	7.1	29.2	>40000	59683	22.5	38.6	25.4	30	1.10	106	3.8	1.2	39	438.7	16.1	<0.5	159	<0.01	0.034
3200838	Drill Core	4.35	5.3	26.3	31558.1	60648	19.1	39.0	19.3	28	0.86	90	3.0	1.0	37	427.4	13.5	<0.5	102	0.01	0.044
3200839	Drill Core	4.55	4.7	28.0	23156.0	60765	24.9	30.6	18.2	35	0.70	54	2.4	0.9	37	405.8	15.8	<0.5	91	<0.01	0.032
3200840	Rock	0.95	1.4	50.4	17.5	50	<0.5	4.9	10.8	485	3.26	<5	1.0	2.4	119	<0.5	<0.5	<0.5	112	1.36	0.063
3200841	Drill Core	5.08	3.4	24.4	30728.8	52513	31.6	20.1	12.9	28	0.54	42	1.4	0.9	39	355.9	19.3	<0.5	59	<0.01	0.020
3200842	Drill Core	5.05	1.5	16.2	29941.3	50110	37.1	8.5	4.4	18	0.27	22	1.0	<0.5	34	329.7	19.0	<0.5	17	<0.01	0.014
3200843	Drill Core	4.13	5.8	19.8	34053.3	41856	26.8	29.3	19.3	32	0.95	85	1.8	0.7	36	295.5	22.0	<0.5	72	<0.01	0.027
3200844	Drill Core	4.46	4.1	23.7	>40000	55037	25.9	23.2	16.9	29	0.98	98	1.6	0.7	24	399.8	21.4	<0.5	57	<0.01	0.023
3200845	Drill Core	4.82	4.3	22.1	24769.6	57121	29.2	27.5	17.3	30	0.71	61	1.4	0.9	43	395.2	19.6	<0.5	96	<0.01	0.018
3200846	Drill Core	6.00	2.5	33.9	>40000	73936	71.8	15.5	6.8	25	0.49	42	1.3	0.6	39	511.7	38.5	<0.5	57	<0.01	0.017
3200847	Drill Core	5.98	2.6	40.5	>40000	55156	102.8	14.3	7.2	50	0.45	45	2.0	0.6	39	374.6	60.0	<0.5	64	<0.01	0.027
3200848	Drill Core	6.41	0.6	36.0	>40000	62564	109.2	4.6	2.4	11	0.12	11	0.7	<0.5	33	433.2	45.6	<0.5	14	<0.01	0.009
3200849	Drill Core	6.29	0.7	35.2	>40000	74316	121.6	6.3	2.1	10	0.11	8	0.7	<0.5	33	509.0	35.4	<0.5	17	<0.01	0.008
3200850	Drill Core	5.42	6.3	47.4	>40000	92115	93.3	56.9	15.7	32	0.66	35	3.1	0.9	77	653.9	45.1	<0.5	166	0.05	0.050
3200851	Drill Core	5.40	4.1	90.7	>40000	133202	66.4	44.9	8.6	51	0.41	43	4.4	0.7	25	897.8	44.0	<0.5	107	0.01	0.048
3200852	Drill Core	5.99	1.7	69.0	>40000	127948	68.3	17.5	6.2	80	0.42	23	2.8	<0.5	35	895.0	33.8	<0.5	40	0.01	0.019
3200853	Drill Core	4.18	7.2	34.0	37090.1	72248	37.1	59.5	28.7	32	1.04	86	7.3	1.4	25	441.3	24.3	<0.5	191	0.04	0.061
3200854	Drill Core	4.33	9.6	50.7	>40000	125537	66.6	69.0	27.1	66	1.05	93	6.9	2.1	25	821.3	55.7	<0.5	268	0.04	0.057
3200855	Drill Core	7.52	4.4	179.7	>40000	111818	87.3	33.7	17.2	317	0.91	38	5.1	1.1	36	788.3	123.1	<0.5	108	0.03	0.027
3200856	Drill Core	3.46	17.7	34.1	29218.9	37229	29.0	56.0	33.3	1063	3.84	63	3.0	3.8	58	212.0	39.6	<0.5	436	0.15	0.076
3200857	Drill Core	5.01	15.8	85.5	>40000	83874	55.6	55.2	55.8	275	4.93	174	2.7	4.0	44	475.3	77.8	<0.5	458	0.13	0.067
3200858	Drill Core	6.18	12.7	42.4	2516.4	4147	4.4	64.8	10.8	359	3.47	69	2.2	4.7	73	21.0	20.0	<0.5	559	0.23	0.107
3200859	Drill Core	4.66	14.0	48.6	414.5	1384	2.6	66.4	7.6	240	2.76	58	2.4	5.4	64	7.8	20.1	<0.5	652	0.21	0.102
3200860	Rock Pulp	0.06	2.9	240.7	18898.6	30033	34.7	27.7	20.6	1848	5.52	84	1.7	10.0	21	95.7	50.7	<0.5	12	5.27	0.054
3200861	Drill Core	3.05	13.0	63.6	261.4	96	3.0	68.8	5.5	121	2.66	54	2.7	4.8	68	<0.5	24.9	<0.5	411	0.34	0.150
3200862	Drill Core	2.69	11.6	59.9	180.5	96	2.7	62.2	5.0	118	2.45	47	2.3	5.3	77	0.5	23.4	<0.5	370	0.32	0.130
3200863	Drill Core	5.06	12.5	52.6	1891.7	344	5.4	68.6	5.6	405	2.69	45	2.1	4.7	64	1.4	26.2	<0.5	133	0.22	0.098
3200864	Drill Core	5.33	13.2	54.9	125.4	223	2.9	66.4	5.9	141	2.31	43	2.1	4.8	29	0.8	28.3	<0.5	96	0.16	0.070
3200865	Drill Core	4.93	13.2	61.6	190.8	288	3.6	59.6	5.3	300	2.45	40	1.8	4.3	30	1.0	34.0	<0.5	94	0.12	0.071



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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
3200836	Drill Core	2.1	39.8	<0.01	319	0.048	0.35	<0.01	<0.01	<0.5	21.24	1.8	1.9	5.48	<5	7	50.04	2.00	1.87	0.02	0.01
3200837	Drill Core	2.5	35.6	<0.01	338	0.042	0.33	<0.01	<0.01	<0.5	15.22	2.1	2.2	4.57	<5	5	41.64	1.81	1.55	0.02	<0.01
3200838	Drill Core	2.1	25.8	<0.01	351	0.026	0.31	<0.01	<0.01	<0.5	15.77	3.1	1.6	4.22	<5	6	38.04	1.55	1.15	0.03	<0.01
3200839	Drill Core	1.9	23.3	<0.01	384	0.022	0.30	<0.01	<0.01	<0.5	20.77	1.8	1.0	3.83	<5	4	39.19	1.58	0.94	0.01	<0.01
3200840	Rock	7.9	6.3	0.91	334	0.218	2.32	0.34	0.36	<0.5	<0.05	5.0	<0.5	<0.05	7	<2	60.16	16.70	6.42	6.16	2.87
3200841	Drill Core	1.3	17.0	<0.01	449	0.015	0.17	<0.01	<0.01	<0.5	20.62	1.0	0.8	3.39	<5	4	36.04	0.99	0.73	0.02	<0.01
3200842	Drill Core	<0.5	5.2	<0.01	489	0.004	0.12	<0.01	<0.01	<0.5	30.67	0.9	<0.5	3.11	<5	2	24.87	0.54	0.36	0.02	0.01
3200843	Drill Core	1.5	20.2	<0.01	567	0.018	0.23	<0.01	<0.01	<0.5	17.42	1.7	1.3	3.41	<5	4	44.97	1.52	1.30	0.01	<0.01
3200844	Drill Core	1.0	15.3	<0.01	481	0.014	0.23	<0.01	<0.01	<0.5	16.28	1.8	1.8	4.14	<5	5	43.00	1.09	1.33	0.01	<0.01
3200845	Drill Core	2.2	22.2	<0.01	426	0.027	0.23	<0.01	<0.01	<0.5	31.82	0.8	0.8	3.71	<5	4	33.41	1.42	0.95	<0.01	<0.01
3200846	Drill Core	1.0	13.3	<0.01	292	0.013	0.18	<0.01	<0.01	<0.5	56.79	1.0	0.6	5.04	<5	2	17.77	0.92	0.66	0.02	<0.01
3200847	Drill Core	1.1	14.4	<0.01	292	0.015	0.29	<0.01	<0.01	<0.5	44.79	1.7	0.7	5.11	<5	2	12.21	0.92	0.61	0.02	<0.01
3200848	Drill Core	<0.5	3.2	<0.01	285	0.003	0.08	<0.01	<0.01	<0.5	52.72	<0.5	<0.5	5.42	<5	<2	5.14	0.25	0.14	0.02	<0.01
3200849	Drill Core	<0.5	3.3	<0.01	305	0.004	0.08	<0.01	<0.01	<0.5	61.71	0.6	0.5	5.47	<5	<2	5.09	0.28	0.16	0.01	<0.01
3200850	Drill Core	4.1	35.9	<0.01	216	0.046	0.50	<0.01	<0.01	<0.5	79.58	1.8	1.0	6.60	<5	5	18.64	1.95	0.88	0.07	0.01
3200851	Drill Core	1.3	22.6	<0.01	171	0.022	0.89	<0.01	<0.01	<0.5	114.25	2.1	0.6	7.68	<5	6	24.52	2.23	0.54	0.03	<0.01
3200852	Drill Core	0.7	8.2	<0.01	193	0.009	0.23	<0.01	<0.01	<0.5	129.36	1.3	0.8	7.13	<5	4	14.17	0.68	0.56	0.02	<0.01
3200853	Drill Core	4.0	44.7	<0.01	324	0.058	0.44	<0.01	<0.01	<0.5	41.74	2.5	1.3	5.07	<5	7	36.43	2.16	1.44	0.06	<0.01
3200854	Drill Core	4.7	56.7	<0.01	197	0.080	0.67	<0.01	<0.01	0.8	75.51	2.7	1.2	7.90	5	8	38.97	2.73	1.44	0.06	<0.01
3200855	Drill Core	2.3	23.7	<0.01	198	0.032	0.27	<0.01	<0.01	0.5	94.35	1.2	1.0	7.44	<5	6	30.94	1.19	1.27	0.05	<0.01
3200856	Drill Core	14.1	101.4	<0.01	563	0.141	0.97	<0.01	0.02	0.7	23.13	3.3	2.0	3.77	<5	5	69.39	3.10	5.38	0.20	0.02
3200857	Drill Core	12.8	89.5	<0.01	280	0.146	1.61	<0.01	0.03	0.7	57.64	4.6	3.0	8.93	7	13	58.07	3.37	6.94	0.18	<0.01
3200858	Drill Core	17.5	106.1	<0.01	2218	0.076	3.59	<0.01	0.09	<0.5	3.34	6.5	2.7	1.42	10	5	68.24	7.29	5.02	0.30	0.03
3200859	Drill Core	18.2	119.8	<0.01	>5000	0.164	3.50	<0.01	0.12	0.8	1.59	5.7	1.4	0.81	11	3	70.08	7.43	3.99	0.28	0.02
3200860	Rock Pulp	24.4	14.7	2.84	141	0.017	1.00	0.01	0.71	0.8	1.25	2.8	28.1	4.94	<5	<2	43.74	8.61	8.34	7.46	5.40
3200861	Drill Core	22.4	78.3	0.01	>5000	0.019	3.76	<0.01	0.14	<0.5	0.52	4.1	1.3	0.65	9	5	69.02	8.11	3.74	0.45	0.08
3200862	Drill Core	19.3	71.6	0.01	>5000	0.017	3.57	<0.01	0.17	<0.5	0.45	6.2	1.1	0.62	8	4	71.26	7.82	3.51	0.42	0.08
3200863	Drill Core	17.3	30.5	0.01	3283	0.006	2.37	<0.01	0.26	0.5	0.45	3.4	1.1	1.21	5	12	73.63	7.30	3.95	0.30	0.12
3200864	Drill Core	18.8	22.1	0.01	4307	0.003	2.46	<0.01	0.12	<0.5	0.47	4.0	0.9	1.00	<5	5	73.49	7.59	3.31	0.22	0.16
3200865	Drill Core	14.9	20.2	0.02	2332	0.003	1.68	<0.01	0.12	0.6	0.45	2.9	0.8	1.33	<5	4	75.44	7.44	3.55	0.16	0.19



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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
3200836 Drill Core	<0.01	0.03	0.14	0.10	<0.01	16.53	<0.01	4.41	6.97	5.28	91.37	0.05	0.04	9.36	0.03	<0.02	<0.08	3.61	17.25
3200837 Drill Core	<0.01	0.03	0.12	0.09	<0.01	23.11	0.02	4.02	5.73	4.55	87.16	0.03	0.04	10.05	0.03	<0.02	<0.08	3.24	20.42
3200838 Drill Core	<0.01	0.03	0.09	0.10	<0.01	25.65	<0.01	3.17	5.72	4.17	84.37	0.02	0.04	10.69	0.02	<0.02	<0.08	2.45	24.73
3200839 Drill Core	<0.01	0.03	0.07	0.09	<0.01	25.97	<0.01	2.27	5.81	4.03	84.64	0.02	0.03	10.07	0.03	<0.02	<0.08	1.82	24.76
3200840 Rock	1.50	0.14	0.53	0.14	<0.01	0.07	<0.01	<0.01	<0.01	0.85	98.87	0.03	0.04	<0.02	0.04	<0.02	<0.08	<0.05	0.41
3200841 Drill Core	<0.01	0.03	0.06	0.06	<0.01	29.36	<0.01	2.93	4.96	2.91	82.98	0.01	0.03	10.41	0.02	<0.02	<0.08	2.10	24.93
3200842 Drill Core	<0.01	0.02	0.02	0.04	<0.01	36.21	<0.01	3.01	4.73	2.19	77.64	<0.01	0.02	11.90	<0.02	<0.02	<0.08	2.27	28.91
3200843 Drill Core	<0.01	0.03	0.09	0.08	<0.01	23.26	<0.01	3.38	4.00	3.52	86.13	0.02	0.03	9.15	0.03	<0.02	<0.08	2.55	19.82
3200844 Drill Core	<0.01	0.02	0.05	0.05	<0.01	23.14	<0.01	4.14	5.27	3.64	86.06	0.01	0.03	9.93	0.03	<0.02	<0.08	2.49	22.31
3200845 Drill Core	<0.01	0.03	0.07	0.07	<0.01	29.59	<0.01	2.53	5.48	3.59	82.16	0.02	0.03	11.22	0.03	<0.02	<0.08	6.50	14.17
3200846 Drill Core	<0.01	0.02	0.03	0.04	<0.01	35.62	<0.01	6.12	7.38	3.46	78.53	0.01	0.04	13.69	0.03	<0.02	<0.08	2.78	32.73
3200847 Drill Core	<0.01	0.03	0.03	0.07	<0.01	35.49	<0.01	13.15	5.30	3.28	77.57	0.01	0.05	13.73	0.04	<0.02	<0.08	2.82	32.73
3200848 Drill Core	<0.01	0.03	<0.01	0.01	<0.01	39.26	<0.01	14.49	6.10	1.95	74.57	<0.01	0.04	15.03	0.03	<0.02	<0.08	2.01	39.06
3200849 Drill Core	<0.01	0.03	<0.01	<0.01	<0.01	40.61	<0.01	11.17	7.34	2.19	74.29	<0.01	0.08	14.88	0.07	<0.02	<0.08	2.20	38.04
3200850 Drill Core	<0.01	0.03	0.09	0.11	<0.01	30.32	<0.01	9.36	9.06	5.35	82.44	0.03	0.06	13.88	0.05	<0.02	<0.08	3.48	31.20
3200851 Drill Core	<0.01	0.03	0.05	0.11	<0.01	25.53	<0.01	6.26	12.92	6.72	85.66	0.02	0.05	13.77	0.04	<0.02	<0.08	3.82	29.85
3200852 Drill Core	<0.01	0.04	<0.01	0.04	<0.01	33.46	<0.01	5.86	12.56	4.05	78.97	<0.01	0.06	15.34	0.04	<0.02	<0.08	3.96	34.14
3200853 Drill Core	<0.01	0.03	0.12	0.15	<0.01	24.73	<0.01	3.73	7.12	4.96	85.89	0.04	0.04	11.01	0.03	<0.02	<0.08	9.08	5.78
3200854 Drill Core	<0.01	0.03	0.17	0.12	<0.01	16.67	<0.01	5.71	12.54	7.46	91.47	0.05	0.05	12.00	0.05	<0.02	<0.08	4.96	21.11
3200855 Drill Core	<0.01	0.06	0.06	0.07	<0.01	20.97	0.01	9.42	10.90	5.48	86.31	0.02	0.16	12.65	0.11	<0.02	0.19	4.38	24.81
3200856 Drill Core	<0.01	0.15	0.30	0.19	<0.01	4.54	<0.01	2.72	3.65	7.44	98.77	0.09	2.01	5.13	1.42	0.25	1.26	2.49	7.94
3200857 Drill Core	0.02	0.06	0.28	0.15	0.01	4.23	<0.01	7.04	8.51	7.65	99.71	0.08	1.75	10.44	1.60	0.06	0.30	6.09	13.04
3200858 Drill Core	0.14	0.06	0.39	0.27	0.01	9.05	<0.01	0.24	0.40	6.54	99.18	0.12	2.19	3.65	1.59	0.52	0.30	3.05	1.81
3200859 Drill Core	0.16	0.05	0.40	0.26	0.02	9.33	<0.01	0.04	0.13	5.99	99.33	0.13	2.34	3.03	1.84	0.46	0.11	2.56	1.40
3200860 Rock Pulp	4.17	0.26	0.28	0.12	<0.01	0.06	0.01	1.82	3.13	15.40	99.96	0.01	3.25	5.12	0.41	<0.02	10.39	2.60	7.58
3200861 Drill Core	0.40	0.03	0.43	0.35	0.01	9.09	<0.01	0.02	<0.01	5.56	98.36	0.15	2.27	2.75	1.88	0.38	<0.08	2.55	0.60
3200862 Drill Core	0.42	0.04	0.41	0.33	0.02	8.69	<0.01	0.01	<0.01	5.11	99.17	0.14	2.14	2.47	1.82	0.30	0.08	2.27	0.61
3200863 Drill Core	0.90	0.07	0.39	0.24	0.02	5.71	<0.01	0.19	0.03	5.36	98.93	0.13	2.25	2.60	1.61	0.57	0.23	2.37	0.68
3200864 Drill Core	0.74	0.06	0.38	0.21	0.01	6.52	0.02	0.01	0.02	5.70	99.22	0.12	2.32	2.56	2.15	0.14	0.09	2.24	0.95
3200865 Drill Core	0.87	0.06	0.39	0.25	0.01	4.51	<0.01	0.02	0.02	5.83	99.30	0.13	2.35	2.41	1.74	0.55	0.20	2.14	0.81



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Project: MacMillan Pass

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CERTIFICATE OF ANALYSIS

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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
3200866	Drill Core	6.30	13.3	68.6	1076.7	298	5.6	70.5	5.7	180	2.39	42	1.7	4.5	32	1.4	44.4	<0.5	77	0.14	0.073
3200867	Drill Core	5.69	11.4	60.1	104.3	203	3.3	67.5	5.4	409	2.65	45	2.4	5.5	68	0.6	32.5	<0.5	111	0.37	0.194
3200868	Drill Core	5.64	16.3	53.5	105.5	1247	2.8	74.0	5.7	1310	3.11	43	2.3	4.5	33	5.8	31.6	<0.5	85	0.14	0.050
3200869	Drill Core	5.46	16.6	56.7	185.6	517	3.0	86.6	7.8	416	3.08	49	2.2	4.6	51	2.3	34.0	<0.5	79	0.19	0.088
3200870	Drill Core	6.10	14.8	61.8	188.0	941	3.9	68.9	7.2	434	2.98	46	2.6	5.3	54	4.7	34.2	<0.5	96	0.26	0.111
3200871	Drill Core	5.01	16.1	51.1	1736.2	1491	7.8	63.6	6.8	759	3.38	39	2.2	5.0	50	7.8	34.0	<0.5	79	0.19	0.087
3200872	Drill Core	5.59	14.6	57.7	156.7	123	3.9	66.6	6.5	438	2.64	41	2.1	5.6	42	<0.5	31.1	<0.5	79	0.15	0.085
3200873	Drill Core	5.45	14.1	64.8	161.1	259	4.2	63.7	7.4	666	3.24	38	2.1	4.9	66	0.7	38.2	<0.5	66	0.03	0.058
3200874	Drill Core	6.10	14.3	64.7	208.7	523	4.4	72.5	8.5	518	3.34	49	2.2	4.7	94	2.0	44.1	<0.5	69	0.19	0.139
3200875	Drill Core	5.75	14.5	61.2	190.5	391	3.0	82.9	7.3	287	3.11	57	2.6	4.4	34	1.1	42.8	<0.5	79	0.04	0.042



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CERTIFICATE OF ANALYSIS

WHI19000264.1

	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
3200866	Drill Core	14.4	17.7	0.01	1532	0.002	1.61	<0.01	0.13	0.5	0.52	1.8	0.8	1.63	<5	11	75.00	7.76	3.52	0.19	0.20
3200867	Drill Core	18.6	25.6	0.02	2040	0.004	1.90	<0.01	0.15	0.6	0.46	2.4	0.9	1.40	<5	6	73.53	8.15	3.91	0.48	0.18
3200868	Drill Core	14.4	17.4	0.02	2108	0.002	1.28	<0.01	0.11	1.2	0.83	1.7	1.0	1.55	<5	5	74.25	7.07	4.56	0.18	0.18
3200869	Drill Core	15.4	15.7	0.01	1109	0.003	1.33	<0.01	0.12	0.7	0.44	2.6	1.0	2.16	<5	3	73.22	7.60	4.54	0.24	0.19
3200870	Drill Core	17.8	19.1	0.02	1904	0.004	2.24	<0.01	0.15	<0.5	0.65	3.9	1.0	1.49	<5	3	71.18	8.42	4.33	0.33	0.23
3200871	Drill Core	14.7	15.4	0.02	2067	0.003	2.06	<0.01	0.13	<0.5	0.78	4.6	0.9	1.49	<5	11	72.80	7.29	4.90	0.25	0.20
3200872	Drill Core	18.4	16.5	0.02	3280	0.003	1.99	<0.01	0.12	<0.5	0.33	4.5	1.0	1.24	<5	4	74.13	8.14	3.90	0.21	0.22
3200873	Drill Core	15.4	13.5	0.02	1409	0.002	1.00	<0.01	0.11	0.8	0.36	3.0	0.8	1.99	<5	3	72.95	8.48	4.78	0.04	0.25
3200874	Drill Core	17.4	15.2	0.01	1915	0.003	1.70	<0.01	0.12	0.7	0.41	3.4	1.0	1.89	<5	4	73.32	7.55	4.86	0.25	0.19
3200875	Drill Core	14.3	16.2	0.01	782	0.003	0.60	<0.01	0.10	0.7	0.45	2.6	1.4	2.98	<5	4	75.77	8.21	4.61	0.05	0.19



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CERTIFICATE OF ANALYSIS

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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	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.05	0.05
3200866	Drill Core	1.01	0.05	0.40	0.25	0.02	4.26	0.02	0.10	0.03	6.08	99.41	0.13	2.39	2.63	1.67	0.68	0.11	2.31	0.97
3200867	Drill Core	1.00	0.07	0.38	0.51	0.01	4.38	<0.01	<0.01	0.02	5.87	99.06	0.14	2.24	2.45	1.59	0.56	0.29	2.25	0.60
3200868	Drill Core	0.85	0.17	0.35	0.22	0.02	4.03	<0.01	<0.01	0.12	6.75	99.27	0.12	2.50	2.51	1.62	0.67	0.77	1.94	1.72
3200869	Drill Core	1.00	0.07	0.38	0.30	0.02	3.78	<0.01	<0.01	0.05	7.04	98.92	0.13	2.62	3.00	1.76	0.75	0.40	2.58	1.27
3200870	Drill Core	1.12	0.08	0.43	0.28	0.01	5.35	<0.01	<0.01	0.09	6.14	98.66	0.14	2.25	2.72	1.55	0.58	0.44	2.42	0.89
3200871	Drill Core	0.92	0.11	0.38	0.23	<0.01	5.07	<0.01	0.15	0.14	5.92	99.05	0.11	2.15	2.70	1.34	0.60	0.77	2.39	0.93
3200872	Drill Core	1.03	0.08	0.42	0.23	<0.01	4.61	<0.01	0.01	<0.01	5.57	99.12	0.12	2.26	2.27	1.48	0.66	0.42	2.13	0.41
3200873	Drill Core	1.13	0.11	0.43	0.31	0.01	3.07	<0.01	<0.01	0.02	6.96	98.94	0.13	2.33	2.65	1.59	0.53	0.75	2.27	1.13
3200874	Drill Core	0.87	0.09	0.38	0.47	<0.01	4.12	<0.01	0.02	0.05	6.50	99.19	0.11	2.48	2.87	1.64	0.67	0.62	2.64	0.70
3200875	Drill Core	1.03	0.06	0.40	0.21	0.01	1.49	<0.01	0.01	0.04	6.92	99.19	0.12	2.16	3.30	1.64	0.44	0.29	3.05	0.75



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QUALITY CONTROL REPORT

WHI19000264.1

	Method	WGHT	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	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	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.001
3200851	Drill Core	5.40	4.1	90.7	>40000	133202	66.4	44.9	8.6	51	0.41	43	4.4	0.7	25	897.8	44.0	<0.5	107	0.01	0.048
Pulp Duplicates																					
3200847	Drill Core	5.98	2.6	40.5	>40000	55156	102.8	14.3	7.2	50	0.45	45	2.0	0.6	39	374.6	60.0	<0.5	64	<0.01	0.027
REP 3200847	QC																				
3200853	Drill Core	4.18	7.2	34.0	37090.1	72248	37.1	59.5	28.7	32	1.04	86	7.3	1.4	25	441.3	24.3	<0.5	191	0.04	0.061
REP 3200853	QC																				
3200854	Drill Core	4.33	9.6	50.7	>40000	125537	66.6	69.0	27.1	66	1.05	93	6.9	2.1	25	821.3	55.7	<0.5	268	0.04	0.057
REP 3200854	QC		10.1	49.6	>40000	127296	66.5	67.7	25.8	69	1.05	92	6.8	2.0	25	818.4	54.2	<0.5	269	0.04	0.057
3200860	Rock Pulp	0.06	2.9	240.7	18898.6	30033	34.7	27.7	20.6	1848	5.52	84	1.7	10.0	21	95.7	50.7	<0.5	12	5.27	0.054
REP 3200860	QC																				
3200862	Drill Core	2.69	11.6	59.9	180.5	96	2.7	62.2	5.0	118	2.45	47	2.3	5.3	77	0.5	23.4	<0.5	370	0.32	0.130
REP 3200862	QC																				
3200865	Drill Core	4.93	13.2	61.6	190.8	288	3.6	59.6	5.3	300	2.45	40	1.8	4.3	30	1.0	34.0	<0.5	94	0.12	0.071
REP 3200865	QC																				
3200867	Drill Core	5.69	11.4	60.1	104.3	203	3.3	67.5	5.4	409	2.65	45	2.4	5.5	68	0.6	32.5	<0.5	111	0.37	0.194
REP 3200867	QC																				
Core Reject Duplicates																					
3200850	Drill Core	5.42	6.3	47.4	>40000	92115	93.3	56.9	15.7	32	0.66	35	3.1	0.9	77	653.9	45.1	<0.5	166	0.05	0.050
DUP 3200850	QC		6.1	46.4	>40000	89762	92.4	56.6	15.5	34	0.63	33	2.9	1.0	72	645.2	45.0	<0.5	162	0.04	0.048
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 GS311-1	Standard																				



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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
3200851	Drill Core	1.3	22.6	<0.01	171	0.022	0.89	<0.01	<0.01	<0.5	114.25	2.1	0.6	7.68	<5	6	24.52	2.23	0.54	0.03	<0.01
Pulp Duplicates																					
3200847	Drill Core	1.1	14.4	<0.01	292	0.015	0.29	<0.01	<0.01	<0.5	44.79	1.7	0.7	5.11	<5	2	12.21	0.92	0.61	0.02	<0.01
REP 3200847	QC																				
3200853	Drill Core	4.0	44.7	<0.01	324	0.058	0.44	<0.01	<0.01	<0.5	41.74	2.5	1.3	5.07	<5	7	36.43	2.16	1.44	0.06	<0.01
REP 3200853	QC																36.41	2.14	1.45	0.06	<0.01
3200854	Drill Core	4.7	56.7	<0.01	197	0.080	0.67	<0.01	<0.01	0.8	75.51	2.7	1.2	7.90	5	8	38.97	2.73	1.44	0.06	<0.01
REP 3200854	QC	4.3	57.0	<0.01	177	0.080	0.68	<0.01	<0.01	0.6	76.03	3.2	1.2	8.00	<5	8					
3200860	Rock Pulp	24.4	14.7	2.84	141	0.017	1.00	0.01	0.71	0.8	1.25	2.8	28.1	4.94	<5	<2	43.74	8.61	8.34	7.46	5.40
REP 3200860	QC																43.84	8.65	8.38	7.45	5.42
3200862	Drill Core	19.3	71.6	0.01	>5000	0.017	3.57	<0.01	0.17	<0.5	0.45	6.2	1.1	0.62	8	4	71.26	7.82	3.51	0.42	0.08
REP 3200862	QC																				
3200865	Drill Core	14.9	20.2	0.02	2332	0.003	1.68	<0.01	0.12	0.6	0.45	2.9	0.8	1.33	<5	4	75.44	7.44	3.55	0.16	0.19
REP 3200865	QC																				
3200867	Drill Core	18.6	25.6	0.02	2040	0.004	1.90	<0.01	0.15	0.6	0.46	2.4	0.9	1.40	<5	6	73.53	8.15	3.91	0.48	0.18
REP 3200867	QC																				
Core Reject Duplicates																					
3200850	Drill Core	4.1	35.9	<0.01	216	0.046	0.50	<0.01	<0.01	<0.5	79.58	1.8	1.0	6.60	<5	5	18.64	1.95	0.88	0.07	0.01
DUP 3200850	QC	3.5	35.9	<0.01	202	0.046	0.53	<0.01	<0.01	<0.5	77.38	1.9	1.0	6.45	<5	7	18.36	1.93	0.84	0.07	<0.01
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 GS311-1	Standard																				



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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	0.01	-5.11	0.01	0.01	0.02	0.02	0.02	0.02	0.08	0.05	0.05
3200851	Drill Core	<0.01	0.03	0.05	0.11	<0.01	25.53	<0.01	6.26	12.92	6.72	85.66	0.02	0.05	13.77	0.04	<0.02	<0.08	3.82	29.85	
Pulp Duplicates																					
3200847	Drill Core	<0.01	0.03	0.03	0.07	<0.01	35.49	<0.01	13.15	5.30	3.28	77.57	0.01	0.05	13.73	0.04	<0.02	<0.08	2.82	32.73	
REP 3200847	QC																				32.10
3200853	Drill Core	<0.01	0.03	0.12	0.15	<0.01	24.73	<0.01	3.73	7.12	4.96	85.89	0.04	0.04	11.01	0.03	<0.02	<0.08	9.08	5.78	
REP 3200853	QC	<0.01	0.02	0.14	0.14	<0.01	24.56	<0.01	3.68	7.01	4.96	85.45	0.03								
3200854	Drill Core	<0.01	0.03	0.17	0.12	<0.01	16.67	<0.01	5.71	12.54	7.46	91.47	0.05	0.05	12.00	0.05	<0.02	<0.08	4.96	21.11	
REP 3200854	QC																				
3200860	Rock Pulp	4.17	0.26	0.28	0.12	<0.01	0.06	0.01	1.82	3.13	15.40	99.96	0.01	3.25	5.12	0.41	<0.02	10.39	2.60	7.58	
REP 3200860	QC	4.13	0.26	0.30	0.12	<0.01	0.08	0.02	1.84	3.14	15.40	100.15	0.01								
3200862	Drill Core	0.42	0.04	0.41	0.33	0.02	8.69	<0.01	0.01	<0.01	5.11	99.17	0.14	2.14	2.47	1.82	0.30	0.08	2.27	0.61	
REP 3200862	QC														2.04	2.49					
3200865	Drill Core	0.87	0.06	0.39	0.25	0.01	4.51	<0.01	0.02	0.02	5.83	99.30	0.13	2.35	2.41	1.74	0.55	0.20	2.14	0.81	
REP 3200865	QC																		0.20		
3200867	Drill Core	1.00	0.07	0.38	0.51	0.01	4.38	<0.01	<0.01	0.02	5.87	99.06	0.14	2.24	2.45	1.59	0.56	0.29	2.25	0.60	
REP 3200867	QC																	0.61			
Core Reject Duplicates																					
3200850	Drill Core	<0.01	0.03	0.09	0.11	<0.01	30.32	<0.01	9.36	9.06	5.35	82.44	0.03	0.06	13.88	0.05	<0.02	<0.08	3.48	31.20	
DUP 3200850	QC	<0.01	0.03	0.09	0.10	<0.01	30.45	<0.01	9.54	8.94	5.40	82.27	0.03	0.06	13.68	0.04	<0.02	<0.08	3.35	30.99	
Reference Materials																					
STD COO1	Standard																		2.43		
STD COO1	Standard																		2.44		
STD COO1	Standard																		2.46		
STD COO1	Standard																		2.21		
STD GGC-10	Standard																		4.84		
STD GGC-10	Standard																		4.94		
STD GGC-10	Standard																		4.33		
STD GGC-10	Standard																		4.49		
STD GS311-1	Standard														0.96	2.47					



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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 GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS135	Standard		8.1	308.5	18015.3	28473	54.3	38.1	31.5	4009	8.95	887	9.1	11.8	26	64.9	37.5	4.9	35	1.89	0.089
STD OREAS605	Standard		4.6	51890.9	952.9	2250	975.3	1611.0	101.3	83	3.76	1715	0.9	2.9	56	14.6	293.1	20.9	<10	0.19	0.009
STD OREAS605	Standard		4.8	49348.8	910.0	2210	957.5	1588.3	98.1	85	3.70	1656	0.9	3.8	49	13.5	285.6	18.5	<10	0.19	0.010
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard		1.1	10709.5	221.0	753	4.5	32.2	31.0	1112	8.23	12	1.7	12.9	13	1.1	1.4	77.4	35	0.33	0.051
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
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 RTS-3A Expected																					
STD GGC-10 Expected																					
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) 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 COO1 Expected																					
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
BLK	Blank																				



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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	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
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																34.72	7.15	11.59	5.30	3.84
STD OREAS133B(D)	Standard																34.41	7.16	11.50	5.23	3.82
STD OREAS135	Standard	38.7	22.3	0.82	429	0.027	1.11	0.02	0.50	2.6	1.11	4.2	6.2	7.34	<5	<2					
STD OREAS605	Standard	7.7	28.5	0.03	177	0.010	0.77	0.03	0.14	7.1	1.99	1.0	17.3	8.01	6	80					
STD OREAS605	Standard	7.2	30.6	0.03	233	0.010	0.75	0.03	0.14	6.5	1.66	2.0	15.1	7.91	7	75					
STD OREAS72B	Standard																51.14	8.86	9.98	3.97	16.10
STD OREAS72B	Standard																51.17	8.85	9.97	3.96	16.09
STD OREAS927-AR	Standard	28.3	42.2	1.90	53	0.098	3.26	<0.01	0.27	5.4	0.12	3.8	<0.5	1.82	9	17					
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD SY-4(D)	Standard																50.03	20.78	6.20	8.00	0.53
STD SY-4(D)	Standard																50.07	20.81	6.22	8.01	0.54
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD RTS-3A Expected																					
STD GGC-10 Expected																					
STD SY-4(D) Expected																	49.9	20.69	6.21	8.05	0.54
STD OREAS72B Expected																	51.16	8.97	9.724	3.96	15.933
STD OREAS133B(D) Expected																	33.83	6.91	11.67	5.4	3.73
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 COO1 Expected																					
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						
BLK	Blank																				



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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	
STD GS311-1	Standard													0.98	2.47						
STD GS910-4	Standard													2.67	8.58						
STD GS910-4	Standard													2.62	8.66						
STD OREAS133B(D)	Standard	3.47	0.16	0.21	0.12	<0.01	0.08	0.06	5.07	11.40	13.03	99.65	<0.01								
STD OREAS133B(D)	Standard	3.43	0.16	0.22	0.11	<0.01	0.07	0.06	5.06	11.35	13.03	99.02	<0.01								
STD OREAS135	Standard																				
STD OREAS605	Standard																				
STD OREAS605	Standard																				
STD OREAS72B	Standard	1.32	0.15	0.35	0.04	0.14	0.03	0.02	<0.01	<0.01	5.12	98.59	0.01								
STD OREAS72B	Standard	1.31	0.15	0.35	0.05	0.15	0.03	0.02	<0.01	<0.01	5.12	98.55	0.01								
STD OREAS927-AR	Standard																				
STD RTS-3A	Standard																			3.35	
STD RTS-3A	Standard																			3.65	
STD RTS-3A	Standard																			3.28	
STD RTS-3A	Standard																			3.42	
STD SY-4(D)	Standard	1.67	0.10	0.29	0.14	<0.01	0.04	<0.01	<0.01	0.01	4.56	99.50	<0.01								
STD SY-4(D)	Standard	1.67	0.11	0.29	0.15	<0.01	0.04	<0.01	<0.01	<0.01	4.56	99.64	<0.01								
STD GS311-1 Expected														1.02	2.35						
STD GS910-4 Expected														2.65	8.27						
STD RTS-3A Expected																				3.3	
STD GGC-10 Expected																	4.79				
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 OREAS927-AR Expected																					
STD COO1 Expected																			2.37		
STD OREAS605 Expected																					
STD OREAS135 Expected																					
BLK	Blank													<0.02	<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
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		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
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
SI BLK	Blank																			
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	<10	<0.01
BLK	Blank																			<0.001
BLK	Blank		<0.5	<0.5	0.7	<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
BLK	Blank																			<0.001
Prep Wash																				
ROCK-WHI	Prep Blank		1.1	2.5	14.0	52	<0.5	0.8	3.8	554	1.99	<5	0.6	2.3	26	<0.5	<0.5	<0.5	25	0.70
ROCK-WHI	Prep Blank		1.6	2.4	9.0	44	<0.5	0.9	3.7	555	2.07	<5	<0.5	2.3	25	<0.5	<0.5	<0.5	28	0.73



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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
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																98.60	0.32	0.03	0.02	0.02
BLK	Blank																				
SI BLK	Blank																98.59	0.32	0.03	0.01	0.02
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	<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					
Prep Wash																					
ROCK-WHI	Prep Blank	7.3	3.5	0.45	89	0.114	0.87	0.08	0.10	<0.5	0.20	3.0	<0.5	<0.05	<5	<2	70.74	13.89	3.28	2.32	0.87
ROCK-WHI	Prep Blank	7.1	3.4	0.47	75	0.120	0.90	0.09	0.09	<0.5	<0.05	3.2	<0.5	<0.05	<5	<2	70.59	13.83	3.35	2.33	0.90



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		LF725 K2O %	LF725 MnO %	LF725 TiO2 %	LF725 P2O5 %	LF725 Cr2O3 %	LF725 Ba %	LF725 Cu %	LF725 Pb %	LF725 Zn %	LF725 LOI %	LF725 SUM_T %	LF725 V2O5 %	TC000 TOT/C %	TC000 TOT/S %	TC005 C/ORG %	TC005 C/GRA %	TC006 CO2 %	TC008 S/S- %	TC008 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
BLK	Blank	<0.02 <0.02																		
BLK	Blank	<0.05																		
BLK	Blank	<0.08																		
BLK	Blank	<0.05																		
BLK	Blank	<0.02																		
SI BLK	Blank	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	98.98	<0.01							
BLK	Blank	<0.02																		
SI BLK	Blank	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	98.96	<0.01							
BLK	Blank																			
BLK	Blank	<0.08																		
BLK	Blank																			
Prep Wash																				
ROCK-WHI	Prep Blank	1.98	0.10	0.35	0.09	<0.01	0.08	<0.01	<0.01	<0.01	0.72	99.01	<0.01	0.09	<0.02	0.07	<0.02	0.10	<0.05	0.45
ROCK-WHI	Prep Blank	2.01	0.10	0.34	0.09	<0.01	0.09	<0.01	<0.01	<0.01	0.91	99.08	<0.01	0.10	<0.02	0.07	<0.02	0.12	<0.05	0.51