



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: October 20, 2020
Analysis Start: January 11, 2021
Report Date: February 08, 2021
Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI20000578.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ20-BV-022
P.O. Number
Number of Samples: 92

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.

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

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-500	88	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	4	Sort, label and box pulps			WHI
CRUBW	88	Extra clean rock wash between samples in crusher			WHI
PULSW	88	Extra Wash with Silica between each sample			VAN
AQ270	92	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	92	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC000	92	Total C/S Analysis by Leco	0.1	Completed	VAN
TC007	92	Graphite and Organic C by Leco After Ignition	0.1	Completed	VAN
TC006	92	Inorganic Carbon	0.2	Completed	VAN
TC010	92	Analysis by Leco after sodium carbonate leach	0.1	Completed	VAN
SHP01	92	Per sample shipping charges for branch shipments			VAN
SPG04	92	Specific Gravity by Picnometry		Completed	VAN
LF726	1	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN

ADDITIONAL COMMENTS

V205 from LF725 is Qualitative Data only.



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
		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
3202978	Drill Core	3.39	19.0	12.6	137.9	54	1.6	2.0	<0.5	17	0.85	36	0.7	1.4	48	<0.5	30.8	<0.5	39	0.02
3202979	Drill Core	2.78	13.4	8.0	171.5	29	2.1	1.4	<0.5	18	0.53	18	0.6	1.4	71	<0.5	31.6	<0.5	25	0.02
3202980	Rock Pulp	0.03	3.9	453.8	34376.2	47751	57.7	15.7	42.4	2170	7.45	148	1.4	9.1	23	169.7	44.4	<0.5	11	4.86
3202981	Drill Core	1.70	15.4	9.5	204.4	25	1.7	1.1	0.5	14	0.41	17	0.7	1.4	57	<0.5	30.0	<0.5	27	0.02
3202982	Drill Core	1.26	15.9	12.3	203.7	24	1.7	1.1	0.7	15	0.44	16	0.7	1.3	59	<0.5	30.9	<0.5	26	0.02
3202983	Drill Core	3.89	18.2	13.6	155.0	31	1.8	1.5	<0.5	20	0.79	33	0.7	1.5	59	<0.5	24.7	<0.5	36	0.02
3202984	Drill Core	2.76	8.3	11.5	58.8	20	0.9	1.6	<0.5	20	0.43	15	0.6	1.1	38	<0.5	15.2	<0.5	27	0.02
3202985	Drill Core	4.77	12.7	22.8	170.6	25	2.1	6.0	0.7	24	0.85	19	0.7	1.4	41	<0.5	23.0	<0.5	31	0.02
3202986	Drill Core	2.99	19.3	70.5	145.0	19	4.4	70.8	10.3	33	3.10	41	0.7	2.4	35	<0.5	32.0	<0.5	18	0.02
3202987	Drill Core	2.73	20.9	62.6	103.8	22	3.3	114.6	10.3	37	2.44	47	1.2	2.0	30	<0.5	32.0	<0.5	22	0.02
3202988	Drill Core	3.57	23.2	63.4	99.2	22	3.0	135.5	10.0	38	2.25	52	1.4	1.7	32	<0.5	34.5	<0.5	37	0.02
3202989	Drill Core	3.18	22.9	70.5	90.1	32	2.2	117.4	10.6	41	1.91	49	1.3	1.7	24	<0.5	33.6	<0.5	42	0.02
3202990	Drill Core	3.47	27.0	91.7	110.7	22	2.9	143.6	12.8	39	2.31	60	1.5	1.9	27	<0.5	40.3	<0.5	46	0.02
3202991	Drill Core	3.03	20.3	183.6	111.2	26	2.1	99.7	9.2	38	1.89	48	1.7	1.8	24	<0.5	32.6	<0.5	41	0.02
3202992	Drill Core	2.36	16.5	218.7	242.6	26	6.0	82.9	11.6	39	6.32	94	1.7	2.8	19	<0.5	77.5	<0.5	26	0.02
3202993	Drill Core	3.68	28.6	654.7	351.2	44	6.9	93.8	13.6	44	6.28	105	3.1	2.9	24	<0.5	87.4	<0.5	25	0.02
3202994	Drill Core	3.48	8.8	221.5	240.9	26	4.6	92.6	12.7	30	6.44	81	1.4	2.5	22	<0.5	60.8	<0.5	28	0.02
3202995	Drill Core	1.29	11.7	133.1	196.2	23	4.3	95.3	15.9	38	4.84	73	1.4	1.9	21	<0.5	55.6	<0.5	20	0.02
3202996	Drill Core	3.50	16.1	124.9	160.9	57	3.6	97.3	11.7	38	2.80	53	1.2	1.6	18	<0.5	44.4	<0.5	21	0.01
3202997	Drill Core	4.19	25.3	786.6	345.0	25	7.3	108.5	17.8	44	4.55	96	2.9	2.4	23	<0.5	91.2	<0.5	24	0.02
3202998	Drill Core	4.11	25.2	302.4	276.3	43	5.4	111.8	12.8	47	4.59	74	2.8	2.1	19	<0.5	72.1	<0.5	32	0.02
3202999	Drill Core	3.43	14.0	191.2	258.1	65	5.1	74.3	13.3	41	4.54	70	2.8	1.9	18	<0.5	65.0	<0.5	26	0.02
3203000	Rock Pulp	0.03	2.7	216.3	18049.2	29918	33.0	25.4	20.0	1744	5.56	83	1.6	7.9	22	93.4	47.1	<0.5	11	5.15
3203001	Drill Core	1.90	34.3	174.2	324.8	103	6.4	136.3	18.4	36	4.67	95	3.3	2.2	25	0.6	88.0	<0.5	31	0.02
3203002	Drill Core	1.21	24.8	170.7	311.0	156	6.4	130.9	17.7	36	4.71	96	3.0	2.0	24	1.0	88.6	<0.5	29	0.02
3203003	Drill Core	2.50	24.4	195.6	285.0	141	5.4	156.6	16.9	39	3.86	96	3.1	2.1	21	1.5	82.3	<0.5	33	0.01
3203004	Drill Core	3.47	25.3	226.0	270.0	53	4.2	151.0	17.4	45	4.29	88	3.6	2.4	49	<0.5	76.5	<0.5	38	0.02
3203005	Drill Core	3.32	27.5	336.1	850.7	44	6.2	144.3	24.1	54	6.55	125	10.7	3.8	127	<0.5	111.6	<0.5	45	0.02
3203006	Drill Core	3.65	21.0	153.3	154.3	100	2.2	127.2	14.5	279	5.35	80	2.7	3.2	160	<0.5	51.0	<0.5	37	0.34
3203007	Drill Core	3.36	23.5	99.7	135.3	242	2.9	150.4	15.7	73	4.88	96	2.9	3.2	359	1.1	52.8	<0.5	60	0.08



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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
3202978	Drill Core	2.0	4.5	0.01	2476	0.002	0.22	<0.01	0.08	<0.5	0.92	1.0	1.1	0.14	<5	9	82.36	6.30	1.33	0.03	0.14
3202979	Drill Core	3.0	4.0	0.01	3158	0.002	0.25	<0.01	0.09	<0.5	1.39	0.9	1.1	0.21	<5	7	82.98	6.30	0.87	0.02	0.13
3202980	Rock Pulp	22.0	15.1	2.63	246	0.018	1.01	0.01	0.69	<0.5	0.68	3.4	41.2	7.78	<5	<2	38.05	7.65	10.89	6.91	4.90
3202981	Drill Core	2.7	3.8	0.01	3287	0.002	0.23	<0.01	0.08	<0.5	0.96	0.8	1.1	0.20	<5	6	82.45	6.23	0.69	0.02	0.13
3202982	Drill Core	2.8	3.8	0.01	3284	0.002	0.24	<0.01	0.08	<0.5	0.98	0.7	1.0	0.19	<5	7	83.02	6.17	0.74	0.02	0.13
3202983	Drill Core	3.0	6.7	0.02	3282	0.002	0.26	<0.01	0.10	<0.5	0.82	1.0	1.5	0.17	<5	7	82.72	6.74	1.36	0.03	0.16
3202984	Drill Core	2.0	6.2	0.01	2011	0.002	0.26	<0.01	0.10	<0.5	0.33	1.0	1.2	0.10	<5	3	85.87	5.71	0.72	0.01	0.13
3202985	Drill Core	2.4	6.2	0.01	2982	0.002	0.28	<0.01	0.10	<0.5	0.74	1.2	1.4	0.50	<5	5	84.91	5.60	1.34	0.02	0.13
3202986	Drill Core	2.3	10.4	0.01	1153	0.001	0.30	<0.01	0.09	<0.5	1.40	1.3	1.8	3.28	<5	5	78.90	6.63	4.53	0.02	0.14
3202987	Drill Core	2.3	9.4	0.01	1155	<0.001	0.33	<0.01	0.10	<0.5	1.20	1.4	2.1	2.54	<5	6	78.84	7.16	3.62	0.01	0.16
3202988	Drill Core	2.7	8.7	0.01	1126	<0.001	0.32	<0.01	0.09	<0.5	0.81	1.7	2.0	2.33	<5	7	78.26	7.64	3.34	0.01	0.17
3202989	Drill Core	2.3	8.1	0.02	1187	0.001	0.34	<0.01	0.09	<0.5	0.68	1.9	1.8	1.93	<5	6	79.37	7.57	2.84	0.02	0.18
3202990	Drill Core	3.1	9.4	0.01	1225	<0.001	0.36	<0.01	0.10	<0.5	0.89	2.1	2.2	2.50	<5	7	76.25	8.94	3.43	0.02	0.18
3202991	Drill Core	2.7	9.5	0.01	1459	0.001	0.35	<0.01	0.10	<0.5	0.55	1.9	1.7	2.02	<5	6	78.51	7.74	2.80	0.02	0.17
3202992	Drill Core	2.1	15.2	0.01	393	<0.001	0.31	<0.01	0.08	<0.5	1.95	1.8	4.1	7.07	5	7	71.13	6.86	9.36	0.02	0.13
3202993	Drill Core	3.1	17.6	0.01	243	0.003	0.32	<0.01	0.08	<0.5	2.09	1.9	3.4	6.96	6	10	70.21	6.57	9.11	0.02	0.14
3202994	Drill Core	3.6	20.8	0.02	331	0.003	0.40	<0.01	0.10	<0.5	1.26	1.8	1.8	7.25	<5	8	67.93	9.62	9.33	0.02	0.20
3202995	Drill Core	3.3	18.1	0.01	764	0.001	0.37	<0.01	0.10	<0.5	1.10	1.7	3.2	5.42	<5	6	74.02	7.92	7.07	0.02	0.16
3202996	Drill Core	2.6	13.2	0.01	1373	0.001	0.36	<0.01	0.10	<0.5	0.89	1.4	2.2	2.97	<5	4	79.60	7.43	4.09	<0.01	0.17
3202997	Drill Core	3.1	23.1	0.02	558	0.002	0.45	<0.01	0.12	<0.5	1.81	2.2	3.4	5.06	6	4	71.72	8.81	6.50	0.01	0.19
3202998	Drill Core	2.5	19.3	0.02	393	0.004	0.40	<0.01	0.11	<0.5	1.33	1.5	4.2	5.11	5	9	73.49	7.74	6.75	0.02	0.18
3202999	Drill Core	2.5	20.0	0.02	729	0.002	0.40	<0.01	0.11	<0.5	1.50	1.6	3.9	5.00	<5	4	73.12	7.67	6.56	0.02	0.16
3203000	Rock Pulp	24.8	14.8	2.79	140	0.019	1.03	0.01	0.76	0.7	0.82	3.3	26.2	4.82	<5	<2	43.39	8.72	8.20	7.41	5.30
3203001	Drill Core	2.9	23.2	0.02	569	0.002	0.44	<0.01	0.10	<0.5	2.32	2.0	4.4	5.33	<5	5	72.82	8.34	6.76	0.03	0.17
3203002	Drill Core	2.6	22.7	0.02	512	0.002	0.42	<0.01	0.10	<0.5	2.46	1.7	4.7	5.27	<5	5	72.92	8.11	6.86	0.02	0.16
3203003	Drill Core	3.0	22.2	0.01	985	0.001	0.35	<0.01	0.08	<0.5	2.34	1.5	3.8	4.30	<5	5	76.28	6.92	5.68	0.02	0.12
3203004	Drill Core	2.8	21.3	0.01	405	0.002	1.03	<0.01	0.10	<0.5	1.87	2.0	5.3	4.34	<5	4	74.24	6.63	6.30	0.02	0.11
3203005	Drill Core	5.1	38.2	<0.01	258	0.002	2.61	<0.01	0.10	<0.5	2.96	5.6	6.2	6.11	10	4	55.48	7.42	9.58	0.03	0.06
3203006	Drill Core	5.4	20.4	0.28	449	0.040	2.29	0.04	0.07	<0.5	1.68	4.5	3.3	3.89	6	2	62.52	11.37	8.03	1.00	0.56
3203007	Drill Core	4.9	21.9	0.03	918	0.003	5.11	0.01	0.09	<0.5	2.45	3.8	5.4	2.36	9	9	59.20	11.20	6.92	0.11	0.19



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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	TC010	TC010	SPG04
		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	Density
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		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	0.02	0.15
3202978	Drill Core	0.93	<0.01	0.34	0.02	<0.01	1.07	<0.01	<0.01	<0.01	5.52	98.25	0.06	3.60	0.19	3.40	0.19	<0.08	0.07	0.37	2.73
3202979	Drill Core	0.94	<0.01	0.33	0.02	0.01	1.14	<0.01	0.02	<0.01	5.55	98.54	0.04	3.97	0.26	3.61	0.36	<0.08	0.10	0.49	2.71
3202980	Rock Pulp	3.61	0.29	0.25	0.12	<0.01	0.09	0.04	3.63	5.01	16.18	99.31	<0.01	3.23	7.65	0.43	<0.02	10.26	4.12	10.57	3.16
3202981	Drill Core	0.92	<0.01	0.35	0.02	<0.01	1.18	<0.01	0.01	<0.01	6.09	98.31	0.06	4.41	0.26	4.16	0.25	<0.08	0.09	0.50	2.72
3202982	Drill Core	0.92	<0.01	0.35	0.02	<0.01	1.16	<0.01	0.02	<0.01	6.21	98.96	0.06	4.44	0.26	4.15	0.29	<0.08	0.08	0.52	2.77
3202983	Drill Core	1.00	<0.01	0.36	0.02	<0.01	1.26	<0.01	0.01	<0.01	5.16	99.03	0.06	3.23	0.23	2.99	0.23	<0.08	0.06	0.50	2.77
3202984	Drill Core	0.85	<0.01	0.28	0.01	<0.01	1.00	<0.01	<0.01	<0.01	3.84	98.59	0.05	2.44	0.16	2.27	0.16	<0.08	0.05	0.33	2.73
3202985	Drill Core	0.83	<0.01	0.31	0.02	<0.01	1.10	<0.01	0.01	<0.01	4.14	98.59	0.04	2.50	0.55	2.39	0.10	<0.08	0.29	0.78	2.70
3202986	Drill Core	0.96	0.01	0.33	0.01	<0.01	1.23	<0.01	0.02	<0.01	6.42	99.42	0.04	2.62	3.52	2.49	0.12	<0.08	2.13	4.16	2.80
3202987	Drill Core	1.03	<0.01	0.32	0.02	<0.01	1.23	<0.01	<0.01	<0.01	6.21	98.83	0.05	2.93	2.67	2.79	0.14	<0.08	1.73	2.81	2.83
3202988	Drill Core	1.08	<0.01	0.34	0.02	<0.01	1.32	<0.01	<0.01	<0.01	6.59	99.02	0.07	3.49	2.56	3.35	0.13	<0.08	1.59	2.92	2.82
3202989	Drill Core	1.07	0.01	0.34	0.02	<0.01	1.32	<0.01	<0.01	<0.01	5.78	98.73	0.07	2.89	2.07	2.70	0.18	<0.08	1.21	2.58	2.78
3202990	Drill Core	1.26	<0.01	0.40	0.02	<0.01	1.63	<0.01	<0.01	<0.01	6.81	99.22	0.09	3.36	2.64	3.15	0.21	<0.08	1.53	3.31	2.80
3202991	Drill Core	1.09	<0.01	0.36	0.02	<0.01	1.43	0.01	<0.01	<0.01	5.69	98.10	0.07	2.84	2.16	2.70	0.14	<0.08	1.30	2.57	2.76
3202992	Drill Core	0.94	<0.01	0.31	0.02	<0.01	1.33	0.02	0.02	<0.01	8.30	98.67	0.04	2.37	7.27	2.32	0.04	<0.08	4.99	6.81	2.96
3202993	Drill Core	0.89	<0.01	0.32	0.03	<0.01	1.78	0.06	0.03	<0.01	8.14	97.57	0.04	2.18	7.35	2.15	0.02	<0.08	5.03	6.93	2.93
3202994	Drill Core	1.33	0.01	0.44	0.03	0.02	2.04	0.02	0.03	0.01	7.98	99.34	0.05	1.84	7.31	1.81	0.02	<0.08	5.32	5.97	2.96
3202995	Drill Core	1.10	0.01	0.37	0.02	<0.01	1.57	<0.01	<0.01	<0.01	6.29	98.80	0.03	1.52	5.45	1.50	<0.02	<0.08	4.21	3.70	2.91
3202996	Drill Core	1.02	0.01	0.32	0.01	<0.01	1.48	<0.01	<0.01	<0.01	4.99	99.39	0.03	1.70	3.06	1.67	0.03	<0.08	2.01	3.14	2.88
3202997	Drill Core	1.21	0.01	0.42	0.03	<0.01	1.92	0.07	0.03	<0.01	6.93	98.17	0.04	2.17	5.29	2.14	0.03	<0.08	3.58	5.12	2.90
3202998	Drill Core	1.08	<0.01	0.40	0.02	<0.01	1.73	0.03	0.03	<0.01	7.12	98.91	0.05	2.20	5.28	2.16	0.04	<0.08	3.73	4.66	2.86
3202999	Drill Core	1.02	0.01	0.37	0.02	<0.01	1.55	0.02	0.02	<0.01	6.76	97.55	0.04	2.09	5.30	2.03	0.05	<0.08	4.16	3.40	2.86
3203000	Rock Pulp	4.15	0.23	0.28	0.12	<0.01	0.08	0.02	1.81	3.09	15.42	99.32	<0.01	3.31	4.88	0.35	<0.02	10.85	1.22	10.96	3.08
3203001	Drill Core	1.03	<0.01	0.42	0.04	<0.01	1.56	0.01	0.03	0.01	7.24	98.71	0.04	2.17	5.39	2.12	0.05	<0.08	3.83	4.69	2.92
3203002	Drill Core	1.01	<0.01	0.41	0.02	<0.01	1.55	0.01	0.03	0.01	7.18	98.55	0.04	2.11	5.45	2.06	0.05	<0.08	4.04	4.25	2.86
3203003	Drill Core	0.76	0.01	0.40	0.02	<0.01	1.13	0.02	0.03	0.01	7.16	98.73	0.05	2.68	4.52	2.60	0.07	<0.08	3.12	4.20	2.84
3203004	Drill Core	0.69	<0.01	0.42	0.03	<0.01	3.20	0.02	0.03	<0.01	7.17	99.29	0.05	2.81	5.01	2.72	0.09	<0.08	3.42	4.77	2.83
3203005	Drill Core	0.44	0.01	0.54	0.08	<0.01	12.06	0.03	0.11	<0.01	8.55	95.87	0.04	2.14	9.19	2.03	0.11	<0.08	5.61	10.72	3.15
3203006	Drill Core	0.94	0.05	0.47	0.08	<0.01	5.56	0.01	0.02	<0.01	5.91	99.16	0.03	1.12	5.32	1.07	<0.02	0.12	3.11	6.64	3.00
3203007	Drill Core	0.20	0.01	0.51	0.11	<0.01	12.48	<0.01	0.02	0.02	6.15	98.63	0.06	1.77	5.34	1.69	0.08	<0.08	3.31	6.08	3.07



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Vancouver British Columbia V5C 2V6 Canada

Project: MacMillan Pass
Report Date: February 08, 2021

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CERTIFICATE OF ANALYSIS

WHI20000578.1

Method	LF726
Analyte	Zn
Unit	%
MDL	0.1
3202978	Drill Core
3202979	Drill Core
3202980	Rock Pulp
3202981	Drill Core
3202982	Drill Core
3202983	Drill Core
3202984	Drill Core
3202985	Drill Core
3202986	Drill Core
3202987	Drill Core
3202988	Drill Core
3202989	Drill Core
3202990	Drill Core
3202991	Drill Core
3202992	Drill Core
3202993	Drill Core
3202994	Drill Core
3202995	Drill Core
3202996	Drill Core
3202997	Drill Core
3202998	Drill Core
3202999	Drill Core
3203000	Rock Pulp
3203001	Drill Core
3203002	Drill Core
3203003	Drill Core
3203004	Drill Core
3203005	Drill Core
3203006	Drill Core
3203007	Drill Core



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CERTIFICATE OF ANALYSIS

WHI20000578.1

	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
3203008	Drill Core	2.37	22.2	159.8	191.5	90	2.2	166.8	17.1	68	4.86	98	3.3	4.0	248	<0.5	59.3	<0.5	57	0.08	0.042
3203009	Drill Core	4.40	22.3	94.1	22641.8	85109	30.0	75.1	9.5	121	27.80	395	2.9	2.8	10	224.3	268.1	<0.5	29	<0.01	0.007
3203010	Drill Core	6.47	11.6	211.9	>40000>200000	77.6	25.8	18.6	396	4.48	308	<0.5	0.7	<5	1182.0	1290.0	<0.5	<10	<0.01	<0.001	
3203011	Drill Core	5.29	16.6	55.1	570.9	1101	5.0	86.1	13.1	63	16.58	178	2.6	1.0	49	4.4	84.7	<0.5	47	0.03	0.022
3203012	Drill Core	4.20	24.9	66.6	235.6	90	4.6	143.9	14.9	66	6.78	145	3.2	2.4	255	0.8	59.4	<0.5	67	0.08	0.046
3203013	Drill Core	2.99	26.6	83.9	279.3	65	5.5	129.4	13.2	85	6.21	206	4.8	1.7	209	0.7	55.5	<0.5	70	0.11	0.072
3203014	Drill Core	3.24	45.1	261.4	693.0	1564	6.1	161.1	16.2	91	7.90	187	8.5	2.5	82	13.3	68.9	<0.5	58	0.02	0.017
3203015	Drill Core	5.93	2.4	123.1	1107.6	43776	18.1	20.0	7.0	83	37.89	532	<0.5	<0.5	6	382.6	174.9	<0.5	<10	<0.01	0.004
3203016	Drill Core	5.98	6.2	720.7	741.9	98349	19.1	30.9	9.9	98	28.96	408	1.2	<0.5	6	745.8	173.7	<0.5	13	<0.01	0.003
3203017	Drill Core	7.99	3.4	216.2	6548.3	86239	48.2	21.8	8.3	105	36.02	505	<0.5	<0.5	7	657.2	300.6	<0.5	<10	<0.01	0.004
3203018	Drill Core	4.75	7.8	405.6	6960.5	100375	48.8	32.9	10.4	109	32.97	822	0.9	0.8	<5	643.8	377.7	<0.5	12	<0.01	0.002
3203019	Drill Core	3.01	27.5	349.7	3626.5	77134	30.7	76.9	11.1	109	22.37	368	1.6	0.6	13	501.2	521.9	<0.5	24	<0.01	0.006
3203020	Rock Pulp	0.05	3.2	347.3	>40000	107021	100.4	26.9	26.3	1290	8.16	163	1.2	5.6	19	335.3	173.5	0.8	<10	3.96	0.042
3203021	Drill Core	1.34	10.9	94.4	2200.0	20159	13.8	86.2	6.0	65	23.14	669	1.7	<0.5	<5	167.0	199.1	<0.5	20	<0.01	0.005
3203022	Drill Core	1.10	13.1	72.1	1564.6	7523	11.1	84.3	6.2	58	17.96	679	1.6	<0.5	9	55.4	169.1	<0.5	22	<0.01	0.006
3203023	Drill Core	3.33	59.6	65.8	462.3	1123	4.9	135.1	7.8	47	10.28	384	10.7	0.8	53	8.6	91.7	<0.5	63	0.04	0.027
3203024	Drill Core	2.33	22.5	57.9	272.6	22960	7.2	71.4	6.1	66	8.10	136	1.2	<0.5	104	206.4	71.1	<0.5	34	0.09	0.044
3203025	Drill Core	3.09	6.1	31.5	154.6	486	1.8	47.3	6.3	55	4.33	90	2.1	1.2	198	3.8	29.2	<0.5	42	0.15	0.069
3203026	Drill Core	3.98	16.1	67.0	399.3	2339	6.5	64.6	11.3	121	14.56	304	3.5	0.8	35	22.6	87.2	<0.5	34	0.01	0.011
3203027	Drill Core	4.16	20.5	287.8	2719.1	38458	25.6	85.7	18.1	88	27.36	815	3.7	0.6	13	352.3	283.6	<0.5	29	0.01	0.012
3203028	Drill Core	5.49	24.3	307.7	1111.2	19803	17.6	67.3	17.3	118	31.51	684	3.1	<0.5	14	216.6	259.4	<0.5	26	<0.01	0.005
3203029	Drill Core	3.85	30.2	193.2	627.3	14064	10.3	90.8	25.8	70	17.02	412	4.0	0.6	10	150.8	123.2	<0.5	29	<0.01	0.006
3203030	Drill Core	9.18	27.1	395.6	944.9	22078	14.3	65.1	17.5	80	26.33	510	7.8	0.5	11	216.4	181.1	<0.5	27	<0.01	0.012
3203031	Drill Core	6.21	20.3	655.2	11324.8	84517	27.0	70.2	18.1	258	27.65	761	2.8	<0.5	7	457.5	514.3	<0.5	18	<0.01	0.006
3203032	Drill Core	6.36	7.8	174.8	2002.4	68070	28.2	38.0	13.7	102	35.62	668	1.3	<0.5	<5	651.7	284.9	<0.5	<10	<0.01	0.002
3203033	Drill Core	7.47	11.1	163.2	1540.8	47321	22.0	45.7	15.4	78	33.15	671	3.0	<0.5	6	423.0	233.7	<0.5	<10	<0.01	0.006
3203034	Drill Core	5.23	10.4	162.6	1207.7	74004	20.6	46.4	13.0	108	28.22	717	2.4	<0.5	7	613.5	272.0	<0.5	11	<0.01	0.005
3203035	Drill Core	5.99	9.7	759.8	1355.8	42921	19.4	25.0	8.7	82	36.52	774	13.2	0.9	15	464.5	263.6	<0.5	17	<0.01	0.015
3203036	Drill Core	4.97	16.2	214.7	1155.9	15101	15.6	64.9	15.8	97	28.12	738	6.5	0.6	10	176.3	187.0	<0.5	18	<0.01	0.008
3203037	Drill Core	4.99	17.5	437.4	969.1	30104	16.7	85.6	18.9	107	24.43	770	10.7	1.0	15	331.1	222.3	<0.5	26	<0.01	0.013



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CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	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	0.01	0.5	0.05	0.5	0.5	0.05	5	2	0.01	0.01	0.01	0.01
3203008	Drill Core	4.4	26.1	0.01	664	0.003	4.18	0.01	0.08	<0.5	2.51	4.7	6.1	2.91	8	5	60.42	9.84	7.00	0.11	0.06			
3203009	Drill Core	0.7	13.3	<0.01	34	<0.001	0.14	<0.01	0.01	<0.5	160.34	1.1	12.3	>30	6	10	23.09	1.04	37.76	<0.01	0.01			
3203010	Drill Core	<0.5	2.8	<0.01	56	<0.001	0.02	<0.01	<0.01	<0.5	752.00	<0.5	5.1	26.92	17	15	13.68	0.13	6.26	<0.01	<0.01			
3203011	Drill Core	1.3	15.3	0.02	140	0.002	1.86	<0.01	0.03	<0.5	11.54	2.6	8.9	17.64	<5	3	51.08	4.34	23.64	0.05	0.10			
3203012	Drill Core	4.3	25.9	<0.01	743	0.005	5.00	0.02	0.08	<0.5	3.74	3.5	7.2	4.50	9	4	57.09	10.37	9.46	0.11	0.06			
3203013	Drill Core	3.5	28.1	<0.01	419	0.002	3.79	<0.01	0.10	<0.5	1.99	4.1	7.1	4.63	8	3	61.28	8.49	8.78	0.15	0.05			
3203014	Drill Core	4.2	31.7	<0.01	193	0.002	1.22	<0.01	0.04	0.5	4.19	2.8	4.6	8.59	7	4	62.09	5.24	11.26	0.03	0.06			
3203015	Drill Core	<0.5	7.2	<0.01	24	<0.001	0.04	<0.01	<0.01	<0.5	68.50	<0.5	14.3	>30	6	3	12.44	0.23	52.84	<0.01	<0.01			
3203016	Drill Core	<0.5	9.3	<0.01	34	<0.001	0.04	<0.01	<0.01	<0.5	141.11	<0.5	15.4	>30	9	4	23.80	0.35	39.49	<0.01	0.01			
3203017	Drill Core	<0.5	7.5	<0.01	49	<0.001	0.03	<0.01	<0.01	<0.5	122.65	<0.5	14.5	>30	10	5	11.57	0.17	48.84	0.01	<0.01			
3203018	Drill Core	<0.5	11.1	<0.01	63	0.001	0.03	<0.01	<0.01	<0.5	137.84	<0.5	19.5	>30	11	7	15.37	0.16	44.80	<0.01	<0.01			
3203019	Drill Core	0.8	17.5	<0.01	48	<0.001	0.14	<0.01	0.02	<0.5	111.18	0.6	12.4	27.05	13	5	38.47	1.08	30.80	0.02	0.02			
3203020	Rock Pulp	18.6	13.8	2.12	98	0.012	0.78	<0.01	0.48	<0.5	4.25	3.0	43.5	11.10	8	3	34.33	6.97	11.45	5.42	3.92			
3203021	Drill Core	0.7	14.9	<0.01	46	0.001	0.12	<0.01	0.02	<0.5	30.63	0.7	10.9	26.14	<5	3	42.63	1.12	33.44	<0.01	0.01			
3203022	Drill Core	0.8	16.6	<0.01	100	0.001	0.14	<0.01	0.02	<0.5	13.82	0.7	13.2	20.28	<5	2	56.03	1.48	25.81	0.02	0.04			
3203023	Drill Core	2.0	21.2	<0.01	170	0.002	0.34	<0.01	0.05	<0.5	3.95	1.6	5.0	11.17	<5	4	67.00	4.50	14.79	0.06	0.08			
3203024	Drill Core	1.4	17.6	<0.01	199	0.002	1.12	<0.01	0.06	<0.5	30.23	1.2	3.0	9.08	<5	<2	69.92	4.04	11.54	0.12	0.06			
3203025	Drill Core	3.2	16.9	0.01	654	0.002	1.73	<0.01	0.07	<0.5	1.11	1.7	3.4	3.69	<5	<2	72.80	7.22	6.30	0.20	0.10			
3203026	Drill Core	1.5	17.4	<0.01	89	0.001	0.34	<0.01	0.04	<0.5	5.61	1.2	3.5	16.36	<5	<2	59.46	3.30	20.70	0.02	0.04			
3203027	Drill Core	1.0	17.5	<0.01	70	<0.001	0.11	<0.01	0.02	<0.5	51.80	0.8	11.7	>30	7	3	31.67	1.01	38.72	0.02	0.02			
3203028	Drill Core	0.7	15.7	<0.01	39	<0.001	0.09	<0.01	0.01	<0.5	30.48	0.8	11.7	>30	7	<2	25.29	0.70	45.54	0.01	0.02			
3203029	Drill Core	1.3	13.7	<0.01	105	<0.001	0.10	<0.01	0.01	<0.5	20.42	0.8	8.0	19.46	<5	<2	56.01	1.14	24.62	<0.01	0.01			
3203030	Drill Core	0.7	12.8	<0.01	35	<0.001	0.11	<0.01	0.01	<0.5	32.98	0.7	10.9	29.84	8	2	33.63	0.85	37.95	0.02	<0.01			
3203031	Drill Core	<0.5	12.0	<0.01	85	<0.001	0.07	<0.01	<0.01	<0.5	135.92	0.5	14.9	>30	9	5	26.80	0.51	37.55	<0.01	<0.01			
3203032	Drill Core	<0.5	6.6	<0.01	61	<0.001	0.04	<0.01	<0.01	<0.5	98.51	<0.5	17.3	>30	9	3	10.90	0.26	50.71	<0.01	<0.01			
3203033	Drill Core	<0.5	8.0	<0.01	40	<0.001	0.04	<0.01	<0.01	<0.5	70.57	<0.5	18.2	>30	8	2	18.65	0.22	47.84	<0.01	<0.01			
3203034	Drill Core	0.5	8.5	<0.01	75	<0.001	0.06	<0.01	<0.01	<0.5	100.72	<0.5	17.4	>30	11	3	24.84	0.47	41.12	0.01	0.02			
3203035	Drill Core	0.9	9.4	<0.01	31	<0.001	0.06	<0.01	<0.01	<0.5	70.34	0.7	17.2	>30	11	<2	13.08	0.24	51.86	0.01	0.02			
3203036	Drill Core	1.0	13.9	<0.01	46	<0.001	0.08	<0.01	<0.01	<0.5	30.10	0.5	9.1	>30	<5	<2	33.35	0.63	40.57	<0.01	<0.01			
3203037	Drill Core	1.3	19.7	<0.01	49	0.001	0.13	<0.01	0.01	<0.5	51.38	0.9	8.2	28.21	8	<2	39.58	1.07	34.45	0.01	0.01			



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

Project: MacMillan Pass
Report Date: February 08, 2021

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CERTIFICATE OF ANALYSIS

WHI20000578.1

	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04
		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	Density
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g/cm3
		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	0.02	0.15
3203008	Drill Core	0.19	0.02	0.58	0.11	0.01	11.91	0.01	0.03	<0.01	6.95	98.68	0.06	1.87	5.92	1.81	0.06	<0.08	3.28	7.91	3.09
3203009	Drill Core	0.06	0.01	0.09	0.01	<0.01	0.35	<0.01	2.20	8.49	22.99	98.51	0.01	0.85	34.23	0.84	<0.02	<0.08	26.53	23.07	4.05
3203010	Drill Core	0.02	0.06	<0.01	<0.01	<0.01	0.04	0.02	8.33	>24	15.38	99.91	<0.01	0.61	28.27	0.60	<0.02	<0.08	18.90	28.07	4.09
3203011	Drill Core	0.07	0.02	0.23	0.04	<0.01	4.69	<0.01	0.07	0.10	13.85	98.91	0.04	1.36	18.47	1.34	<0.02	<0.08	14.46	12.01	3.33
3203012	Drill Core	0.22	<0.01	0.51	0.11	<0.01	12.24	<0.01	0.03	<0.01	7.20	98.93	0.07	2.06	7.28	1.97	0.08	<0.08	4.62	7.96	3.16
3203013	Drill Core	0.30	0.01	0.46	0.15	<0.01	11.00	<0.01	0.04	<0.01	7.25	99.33	0.06	2.04	7.19	1.96	0.08	<0.08	4.40	8.36	3.13
3203014	Drill Core	0.19	0.02	0.59	0.05	0.01	7.09	0.02	0.11	0.15	9.84	97.67	0.07	2.36	9.87	2.33	0.03	<0.08	6.71	9.46	3.09
3203015	Drill Core	<0.01	0.01	<0.01	<0.01	<0.01	0.09	<0.01	0.11	4.31	28.12	99.34	<0.01	0.25	42.12	0.23	<0.02	<0.08	18.57	70.56	4.43
3203016	Drill Core	0.02	0.01	0.04	<0.01	<0.01	0.10	0.06	0.07	9.50	23.03	98.99	<0.01	0.49	35.15	0.48	<0.02	<0.08	25.30	29.51	4.03
3203017	Drill Core	0.02	<0.01	<0.01	<0.01	<0.01	0.04	0.01	0.60	8.33	27.28	99.08	<0.01	0.36	40.61	0.35	<0.02	<0.08	27.61	38.95	4.48
3203018	Drill Core	0.01	0.02	0.03	<0.01	<0.01	0.04	0.03	0.63	9.72	25.67	99.06	<0.01	0.50	38.92	0.49	<0.02	<0.08	25.68	39.67	4.32
3203019	Drill Core	0.08	0.02	0.13	0.02	<0.01	0.29	0.02	0.33	7.55	18.38	99.21	0.01	0.88	29.40	0.85	0.02	<0.08	18.89	31.49	3.69
3203020	Rock Pulp	3.52	0.17	0.22	0.09	<0.01	0.08	0.03	4.78	10.73	14.99	99.93	0.01	2.54	11.16	0.47	<0.02	7.56	2.45	26.10	3.26
3203021	Drill Core	0.11	0.01	0.11	0.02	<0.01	0.22	<0.01	0.21	1.98	18.33	98.81	<0.01	0.88	28.06	0.86	0.03	<0.08	15.27	38.32	3.66
3203022	Drill Core	0.14	0.01	0.12	0.01	<0.01	0.24	<0.01	0.14	0.73	14.36	99.44	0.02	1.08	21.13	1.05	0.03	<0.08	13.71	22.23	3.35
3203023	Drill Core	0.39	<0.01	0.28	0.09	<0.01	0.78	<0.01	0.04	0.11	11.43	99.73	0.06	3.16	11.80	3.00	0.16	<0.08	8.71	9.27	3.01
3203024	Drill Core	0.29	0.01	0.25	0.11	<0.01	2.90	<0.01	0.03	2.21	7.32	99.75	0.03	0.87	10.06	0.83	0.04	<0.08	6.64	10.25	3.04
3203025	Drill Core	0.47	<0.01	0.47	0.18	<0.01	5.18	<0.01	0.01	0.05	5.66	99.35	0.05	1.38	4.90	1.33	0.04	<0.08	3.58	3.96	2.92
3203026	Drill Core	0.24	0.02	0.26	0.04	<0.01	1.60	<0.01	0.04	0.23	12.78	99.02	0.03	1.34	16.74	1.31	0.03	<0.08	12.22	13.54	3.25
3203027	Drill Core	0.09	<0.01	0.11	0.03	<0.01	0.14	0.02	0.25	3.80	21.93	98.85	0.01	1.26	33.11	1.24	<0.02	<0.08	22.17	32.78	3.85
3203028	Drill Core	0.05	0.01	0.08	0.02	<0.01	0.42	0.02	0.11	1.93	24.95	99.77	<0.01	1.52	38.25	1.50	<0.02	<0.08	26.48	35.26	4.05
3203029	Drill Core	0.07	0.01	0.13	0.02	<0.01	0.16	0.01	0.06	1.37	15.01	99.03	0.02	2.25	20.46	2.22	0.02	<0.08	14.73	17.17	3.24
3203030	Drill Core	0.05	0.02	0.08	0.03	<0.01	1.29	0.03	0.09	2.15	22.15	99.13	0.01	1.88	31.05	1.86	<0.02	<0.08	23.60	22.32	3.83
3203031	Drill Core	0.03	0.03	0.05	0.02	<0.01	0.08	0.05	1.03	8.14	22.56	99.10	<0.01	1.32	33.61	1.31	<0.02	<0.08	26.21	22.17	3.96
3203032	Drill Core	0.02	0.02	0.02	<0.01	<0.01	0.04	<0.01	0.19	6.85	28.27	99.18	<0.01	0.69	43.22	0.69	<0.02	<0.08	26.17	51.08	4.46
3203033	Drill Core	0.02	0.02	0.03	0.02	<0.01	0.07	0.01	0.15	4.81	26.31	99.46	<0.01	0.96	40.04	0.95	<0.02	<0.08	27.11	38.74	4.23
3203034	Drill Core	0.01	0.01	0.05	0.02	<0.01	0.05	<0.01	0.11	7.64	23.44	99.81	<0.01	0.99	35.67	0.56	0.43	<0.08	24.35	33.91	3.98
3203035	Drill Core	0.02	0.01	0.02	0.04	<0.01	0.25	0.07	0.14	4.30	27.99	99.29	<0.01	0.61	42.28	0.61	<0.02	<0.08	29.65	37.84	4.41
3203036	Drill Core	0.04	0.01	0.09	0.01	<0.01	0.12	0.01	0.10	1.46	22.29	99.14	<0.01	1.21	32.79	1.19	<0.02	<0.08	22.04	32.21	3.84
3203037	Drill Core	0.05	0.01	0.11	0.03	<0.01	0.22	0.04	0.08	2.92	19.65	99.08	0.01	1.32	29.04	1.30	<0.02	<0.08	20.71	24.96	3.72



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CERTIFICATE OF ANALYSIS

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Method	LF726
Analyte	Zn
Unit	%
MDL	0.1
3203008	Drill Core
3203009	Drill Core
3203010	Drill Core
3203011	Drill Core
3203012	Drill Core
3203013	Drill Core
3203014	Drill Core
3203015	Drill Core
3203016	Drill Core
3203017	Drill Core
3203018	Drill Core
3203019	Drill Core
3203020	Rock Pulp
3203021	Drill Core
3203022	Drill Core
3203023	Drill Core
3203024	Drill Core
3203025	Drill Core
3203026	Drill Core
3203027	Drill Core
3203028	Drill Core
3203029	Drill Core
3203030	Drill Core
3203031	Drill Core
3203032	Drill Core
3203033	Drill Core
3203034	Drill Core
3203035	Drill Core
3203036	Drill Core
3203037	Drill Core



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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			
					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
3203038	Drill Core	4.65	29.1	371.4	1622.0	58906	22.4	86.9	17.3	126	24.29	597	10.9	0.6	14	554.4	266.3	<0.5	28	<0.01	0.013			
3203039	Drill Core	6.64	22.6	333.9	1316.5	37330	19.7	71.3	15.6	114	28.09	642	6.5	<0.5	13	426.9	238.4	<0.5	27	<0.01	0.011			
3203040	Rock	0.89	<0.5	2.3	5.3	141	<0.5	1.6	0.6	145	0.19	<5	<0.5	<0.5	71	1.6	0.8	<0.5	<10	29.53	0.009			
3203041	Drill Core	1.99	30.4	281.9	902.2	18313	11.4	76.1	13.5	103	16.95	502	8.4	0.7	11	199.8	169.7	<0.5	24	0.04	0.009			
3203042	Drill Core	1.57	29.2	223.8	810.2	13021	9.3	76.9	15.3	125	15.17	450	7.9	0.6	12	146.6	166.4	<0.5	24	0.01	0.007			
3203043	Drill Core	3.20	30.3	391.2	548.7	25685	10.4	84.3	17.6	116	13.15	332	11.2	0.8	15	250.5	141.7	<0.5	27	<0.01	0.010			
3203044	Drill Core	4.06	27.0	83.1	571.6	5464	7.6	87.7	16.7	97	17.37	463	6.4	<0.5	23	56.0	137.9	<0.5	23	0.03	0.022			
3203045	Drill Core	4.50	23.8	99.4	624.2	2166	8.1	79.5	15.6	87	21.53	564	7.0	<0.5	15	23.4	174.4	<0.5	23	0.01	0.016			
3203046	Drill Core	3.25	48.9	157.1	571.7	5365	8.1	100.1	12.7	65	20.15	450	7.2	2.4	10	56.4	150.5	<0.5	30	0.03	0.007			
3203047	Drill Core	3.92	28.1	363.9	714.6	15400	8.8	83.7	14.8	112	18.61	501	7.9	1.1	13	133.4	207.6	<0.5	22	<0.01	0.009			
3203048	Drill Core	2.38	28.9	198.5	498.7	2908	6.1	88.7	14.3	76	18.09	374	5.1	0.6	10	27.5	115.0	<0.5	21	<0.01	0.008			
3203049	Drill Core	2.52	20.1	580.5	1151.4	25958	12.5	60.6	7.9	78	27.00	430	7.3	1.6	11	219.5	209.9	<0.5	18	<0.01	0.010			
3203050	Drill Core	3.85	5.1	192.8	887.2	14392	9.3	359.6	65.8	79	23.30	738	4.3	0.8	43	118.5	170.9	<0.5	31	0.06	0.032			
3203051	Drill Core	4.73	2.5	125.2	639.1	31213	10.0	610.1	104.9	60	17.05	745	4.2	0.9	199	176.6	182.2	<0.5	38	0.30	0.158			
3203052	Drill Core	4.62	5.1	207.2	1408.8	83256	18.1	404.1	81.3	58	22.69	1438	8.3	0.9	24	477.4	364.9	<0.5	22	0.01	0.017			
3203053	Drill Core	4.02	8.3	108.0	824.0	29180	12.1	77.7	16.2	64	19.82	719	5.0	<0.5	15	212.4	223.1	<0.5	26	<0.01	0.008			
3203054	Drill Core	7.67	12.4	166.1	2048.4	26995	21.6	118.6	37.2	75	27.42	1239	3.2	0.5	17	162.0	343.5	<0.5	23	<0.01	0.009			
3203055	Drill Core	1.47	7.4	170.3	1545.4	38000	17.7	52.4	23.9	52	28.62	1276	4.5	<0.5	23	169.6	323.6	<0.5	20	<0.01	0.009			
3203056	Drill Core	5.12	8.2	245.5	2859.5	60285	25.6	146.4	45.7	72	28.85	888	3.6	<0.5	35	338.8	388.2	<0.5	23	0.02	0.019			
3203057	Drill Core	3.92	2.9	92.5	602.3	557	8.0	682.1	83.9	257	25.95	517	2.2	0.7	336	3.9	131.9	<0.5	64	0.52	0.255			
3203058	Drill Core	6.40	3.4	106.7	847.7	2420	9.7	461.5	65.0	215	33.51	705	4.4	<0.5	111	15.9	182.5	<0.5	46	0.13	0.082			
3203059	Drill Core	4.18	2.6	94.8	671.0	7290	7.3	635.6	87.3	113	27.20	616	2.0	0.5	59	39.8	182.1	<0.5	36	0.03	0.033			
3203060	Rock Pulp	0.04	2.6	201.0	17452.5	29733	31.5	24.4	18.5	1752	5.50	82	1.4	7.0	22	88.0	44.4	<0.5	<10	5.13	0.052			
3203061	Drill Core	2.24	3.8	119.8	585.7	3707	8.6	629.0	85.7	311	27.61	541	1.5	0.6	111	23.2	146.8	<0.5	47	0.15	0.095			
3203062	Drill Core	3.69	3.4	119.6	586.1	4094	8.3	599.6	78.9	301	28.09	566	1.5	0.7	104	24.7	147.5	<0.5	48	0.14	0.092			
3203063	Drill Core	5.71	3.2	93.5	594.4	5374	8.0	461.9	57.5	183	28.27	538	1.1	<0.5	175	32.6	148.9	<0.5	41	0.25	0.131			
3203064	Drill Core	6.54	2.9	63.0	573.8	1424	6.1	581.3	66.5	96	30.54	896	1.6	0.7	69	9.0	160.9	<0.5	32	0.07	0.050			
3203065	Drill Core	7.03	1.9	71.2	814.9	5236	7.2	483.5	50.6	100	32.84	961	1.2	<0.5	201	33.8	167.1	<0.5	29	0.22	0.109			
3203066	Drill Core	4.54	2.2	53.8	487.0	2590	5.0	821.2	89.2	144	22.05	881	1.5	1.0	526	16.2	119.2	<0.5	41	0.51	0.244			
3203067	Drill Core	6.99	2.1	87.1	708.2	5180	7.9	509.4	74.3	281	29.94	585	1.7	0.6	289	30.8	133.9	<0.5	37	0.37	0.178			



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CERTIFICATE OF ANALYSIS

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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
3203038	Drill Core	0.9	15.3	<0.01	41	0.001	0.11	<0.01	0.01	<0.5	93.21	1.0	10.3	28.84	11	2	35.83	0.89	33.10	0.02	0.02
3203039	Drill Core	0.6	14.6	<0.01	35	0.002	0.14	<0.01	0.02	<0.5	61.82	0.8	11.7	>30	10	2	29.62	1.02	39.33	0.02	0.03
3203040	Rock	1.2	0.8	1.27	31	0.002	0.03	<0.01	0.02	<0.5	0.20	3.4	<0.5	0.12	<5	<2	12.08	0.17	0.25	46.45	4.52
3203041	Drill Core	0.7	16.5	<0.01	64	<0.001	0.12	<0.01	0.02	<0.5	30.98	0.9	5.5	19.78	7	<2	55.21	1.29	24.23	0.01	0.02
3203042	Drill Core	0.7	16.8	<0.01	74	<0.001	0.13	<0.01	0.02	<0.5	22.94	1.0	4.4	17.65	<5	<2	60.24	1.75	21.91	0.02	0.03
3203043	Drill Core	1.0	17.6	<0.01	88	0.001	0.17	<0.01	0.03	<0.5	44.55	1.1	4.9	16.25	8	2	61.29	2.04	19.20	0.01	0.05
3203044	Drill Core	0.6	16.3	<0.01	140	0.001	0.18	<0.01	0.03	<0.5	12.27	0.6	4.7	19.81	<5	<2	55.12	2.01	25.40	0.04	0.05
3203045	Drill Core	0.5	18.5	<0.01	52	<0.001	0.15	<0.01	0.02	<0.5	7.40	0.7	5.3	24.55	<5	<2	46.85	1.68	31.62	0.02	0.03
3203046	Drill Core	0.6	19.8	0.02	46	0.002	0.19	<0.01	0.03	<0.5	9.63	1.4	5.8	23.21	<5	<2	45.28	2.15	30.81	0.06	0.07
3203047	Drill Core	0.6	18.4	<0.01	72	0.001	0.13	<0.01	0.02	<0.5	24.12	0.9	5.8	21.32	<5	<2	52.80	1.08	27.30	0.03	0.05
3203048	Drill Core	<0.5	17.0	<0.01	45	<0.001	0.13	<0.01	0.03	<0.5	6.53	<0.5	3.5	20.71	<5	<2	54.50	1.33	27.39	0.02	0.05
3203049	Drill Core	<0.5	13.3	<0.01	38	<0.001	0.11	<0.01	0.02	<0.5	44.04	0.8	7.3	>30	5	<2	31.11	0.76	40.65	0.01	0.03
3203050	Drill Core	0.7	87.6	<0.01	55	0.004	0.33	<0.01	0.06	<0.5	24.49	1.2	6.3	27.57	<5	<2	34.33	4.37	36.39	0.11	0.07
3203051	Drill Core	1.3	116.8	0.01	95	0.004	0.56	<0.01	0.08	<0.5	45.51	1.5	5.6	20.47	<5	<2	42.90	6.49	25.46	0.44	0.11
3203052	Drill Core	0.9	76.2	<0.01	58	0.003	0.26	<0.01	0.03	<0.5	111.49	1.4	10.3	29.75	8	2	29.29	2.78	34.21	0.04	0.05
3203053	Drill Core	0.8	17.7	<0.01	55	0.001	0.25	<0.01	0.05	<0.5	41.75	1.1	12.5	23.57	<5	2	45.15	2.50	29.93	0.02	0.06
3203054	Drill Core	0.7	17.6	<0.01	45	0.001	0.19	<0.01	0.03	<0.5	41.06	<0.5	15.6	>30	<5	<2	29.03	1.47	42.23	0.01	0.05
3203055	Drill Core	0.7	13.0	<0.01	33	<0.001	0.12	<0.01	0.02	<0.5	54.80	0.5	21.9	>30	<5	<2	25.69	0.89	43.32	0.01	0.03
3203056	Drill Core	0.6	28.0	<0.01	39	0.001	0.18	<0.01	0.03	<0.5	83.43	0.6	16.4	>30	5	<2	19.05	1.79	44.42	0.04	0.04
3203057	Drill Core	1.3	228.2	0.02	91	0.005	0.71	0.01	0.11	<0.5	10.18	1.5	4.0	29.81	<5	<2	19.70	8.55	40.56	0.78	0.13
3203058	Drill Core	1.0	163.3	<0.01	46	0.004	0.36	<0.01	0.06	<0.5	12.81	1.6	5.9	>30	<5	<2	11.75	4.33	50.87	0.21	0.07
3203059	Drill Core	1.0	130.5	<0.01	71	0.003	0.33	<0.01	0.06	<0.5	12.84	0.9	5.5	>30	<5	<2	24.98	4.76	41.79	0.05	0.07
3203060	Rock Pulp	23.8	13.4	2.86	119	0.018	0.98	0.01	0.69	0.7	1.67	2.7	24.9	4.79	<5	<2	43.55	8.76	8.27	7.43	5.34
3203061	Drill Core	1.1	154.7	<0.01	57	0.004	0.42	<0.01	0.07	<0.5	17.57	1.0	3.6	>30	<5	<2	19.94	6.35	43.34	0.23	0.10
3203062	Drill Core	1.1	153.7	<0.01	52	0.004	0.42	<0.01	0.07	<0.5	17.74	1.2	3.6	>30	<5	<2	21.49	5.68	43.38	0.22	0.09
3203063	Drill Core	0.7	128.2	<0.01	68	0.004	0.41	<0.01	0.07	<0.5	13.86	0.9	3.9	>30	<5	<2	22.06	4.67	43.92	0.36	0.09
3203064	Drill Core	1.1	115.2	<0.01	68	0.004	0.36	<0.01	0.07	<0.5	5.27	0.7	5.3	>30	<5	<2	18.38	5.72	46.64	0.12	0.10
3203065	Drill Core	0.8	115.4	<0.01	71	0.004	0.35	<0.01	0.07	<0.5	11.53	<0.5	6.1	>30	<5	<2	16.80	3.43	48.66	0.32	0.06
3203066	Drill Core	1.8	139.9	0.01	103	0.005	0.64	0.01	0.10	<0.5	10.37	0.9	4.1	26.01	<5	<2	31.51	8.61	33.58	0.73	0.12
3203067	Drill Core	1.1	123.7	<0.01	62	0.004	0.38	<0.01	0.07	<0.5	18.93	1.0	3.5	>30	<5	<2	21.12	4.47	44.91	0.55	0.07



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MacMillan Pass

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CERTIFICATE OF ANALYSIS

WHI20000578.1

	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04
		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	Density
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g/cm3
		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	0.02	0.15
3203038	Drill Core	0.08	0.02	0.11	0.04	<0.01	1.19	0.03	0.15	5.69	20.47	99.29	<0.01	1.95	29.32	1.93	<0.02	<0.08	21.88	22.29	3.67
3203039	Drill Core	0.09	0.01	0.09	0.04	<0.01	0.35	0.02	0.11	3.60	22.79	98.14	<0.01	1.57	32.71	1.55	<0.02	<0.08	25.02	23.04	3.82
3203040	Rock	0.03	0.02	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	36.37	99.95	<0.01	10.45	0.09	0.75	<0.02	35.55	0.08	<0.15	2.83
3203041	Drill Core	0.12	0.01	0.11	0.04	<0.01	0.34	0.02	0.08	1.79	14.81	98.64	0.02	2.01	21.04	2.04	0.03	<0.08	15.02	18.04	3.29
3203042	Drill Core	0.13	0.02	0.13	0.04	<0.01	0.30	0.02	0.07	1.27	13.35	99.70	0.01	1.85	18.24	1.81	0.03	<0.08	13.26	14.92	3.20
3203043	Drill Core	0.21	0.02	0.16	0.03	<0.01	0.42	0.03	0.05	2.55	12.54	99.34	0.01	2.08	16.78	2.05	0.02	<0.08	12.61	12.49	3.14
3203044	Drill Core	0.17	0.02	0.14	0.06	<0.01	0.29	<0.01	0.05	0.54	15.21	99.27	0.02	2.23	20.63	2.18	0.05	<0.08	11.48	27.41	3.21
3203045	Drill Core	0.14	0.01	0.14	0.05	<0.01	0.29	<0.01	0.06	0.21	17.98	99.17	0.02	1.87	25.97	1.85	<0.02	<0.08	15.12	32.51	3.43
3203046	Drill Core	0.22	0.01	0.15	0.03	<0.01	0.39	0.01	0.05	0.53	18.95	98.92	0.02	3.11	25.66	3.05	0.05	<0.08	15.45	30.59	3.39
3203047	Drill Core	0.11	0.02	0.10	0.03	<0.01	0.32	0.03	0.07	1.51	15.48	99.33	0.01	1.62	22.90	1.59	0.03	<0.08	17.63	15.79	3.31
3203048	Drill Core	0.15	0.01	0.10	0.03	<0.01	0.29	0.02	0.04	0.28	15.39	99.73	<0.01	1.85	22.41	1.79	0.05	<0.08	15.98	19.26	3.32
3203049	Drill Core	0.08	<0.01	0.03	0.04	<0.01	0.18	0.05	0.11	2.59	22.12	98.48	0.01	1.01	34.32	0.99	0.02	<0.08	25.51	26.39	3.84
3203050	Drill Core	0.44	0.01	0.96	0.11	0.05	1.15	0.02	0.08	1.43	19.30	99.38	0.04	0.34	29.57	0.32	<0.02	<0.08	21.84	23.16	3.71
3203051	Drill Core	0.67	0.01	1.53	0.42	0.09	1.70	<0.01	0.06	3.15	14.74	98.85	0.04	0.38	22.43	0.36	<0.02	<0.08	16.20	18.67	3.43
3203052	Drill Core	0.29	<0.01	0.89	0.07	0.02	0.71	0.02	0.15	8.33	19.84	98.92	0.02	0.34	31.72	0.32	<0.02	<0.08	23.68	24.09	3.77
3203053	Drill Core	0.32	0.01	0.18	0.03	<0.01	0.52	<0.01	0.08	2.96	17.11	99.71	0.02	1.42	25.88	1.37	0.04	<0.08	21.33	13.63	3.36
3203054	Drill Core	0.18	0.01	0.13	0.03	<0.01	0.29	0.01	0.21	2.73	22.54	99.72	0.01	0.84	34.36	0.82	<0.02	<0.08	24.20	30.44	3.89
3203055	Drill Core	0.11	<0.01	0.05	0.04	<0.01	0.17	0.01	0.15	3.82	23.46	98.77	0.01	0.96	35.77	0.94	<0.02	<0.08	26.96	26.39	3.95
3203056	Drill Core	0.20	<0.01	0.25	0.06	<0.01	0.39	0.02	0.28	6.11	24.81	99.16	0.02	0.78	37.99	0.76	<0.02	<0.08	28.49	28.46	4.13
3203057	Drill Core	0.96	0.05	2.05	0.70	0.15	1.94	<0.01	0.06	0.06	22.54	98.56	0.06	0.77	33.65	0.75	<0.02	<0.08	23.25	31.16	4.31
3203058	Drill Core	0.48	0.04	1.13	0.26	0.07	0.94	<0.01	0.08	0.23	27.36	98.04	0.04	0.64	42.43	0.63	<0.02	<0.08	30.60	35.44	4.34
3203059	Drill Core	0.54	0.01	1.19	0.12	0.08	1.08	<0.01	0.07	0.70	22.62	98.44	0.04	0.58	33.12	0.55	<0.02	<0.08	25.38	23.19	3.93
3203060	Rock Pulp	4.19	0.24	0.28	0.12	<0.01	0.10	0.02	1.85	3.10	13.73	98.06	<0.01	3.34	5.05	0.40	<0.02	10.73	2.09	8.86	2.98
3203061	Drill Core	0.69	0.05	1.52	0.28	0.11	1.38	<0.01	0.05	0.37	23.71	98.48	0.05	0.65	35.21	0.65	<0.02	<0.08	25.07	30.38	3.97
3203062	Drill Core	0.63	0.05	1.36	0.26	0.10	1.25	<0.01	0.06	0.41	23.44	98.73	0.05	0.64	35.25	0.63	<0.02	<0.08	25.46	29.33	3.95
3203063	Drill Core	0.52	0.03	0.99	0.36	0.06	1.03	<0.01	0.06	0.54	23.58	98.60	0.04	0.61	36.23	0.59	<0.02	<0.08	26.78	28.31	3.97
3203064	Drill Core	0.63	0.01	1.44	0.15	0.08	1.27	<0.01	0.06	0.14	24.81	99.84	0.03	0.64	36.59	0.61	<0.02	<0.08	26.97	28.82	4.05
3203065	Drill Core	0.39	0.02	0.80	0.30	0.05	0.74	<0.01	0.08	0.49	25.92	98.33	0.01	0.43	39.51	0.41	<0.02	<0.08	18.51	62.92	4.23
3203066	Drill Core	0.95	0.03	2.03	0.66	0.13	1.97	<0.01	0.04	0.25	18.53	99.56	0.04	0.41	25.68	0.38	<0.02	<0.08	21.23	13.33	3.69
3203067	Drill Core	0.51	0.05	1.16	0.46	0.07	0.96	<0.01	0.07	0.50	23.91	99.12	0.03	0.53	36.38	0.51	<0.02	<0.08	26.19	30.53	4.03



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Project: MacMillan Pass
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CERTIFICATE OF ANALYSIS

WHI20000578.1

Method	LF726
Analyte	Zn
Unit	%
MDL	0.1
3203038	Drill Core
3203039	Drill Core
3203040	Rock
3203041	Drill Core
3203042	Drill Core
3203043	Drill Core
3203044	Drill Core
3203045	Drill Core
3203046	Drill Core
3203047	Drill Core
3203048	Drill Core
3203049	Drill Core
3203050	Drill Core
3203051	Drill Core
3203052	Drill Core
3203053	Drill Core
3203054	Drill Core
3203055	Drill Core
3203056	Drill Core
3203057	Drill Core
3203058	Drill Core
3203059	Drill Core
3203060	Rock Pulp
3203061	Drill Core
3203062	Drill Core
3203063	Drill Core
3203064	Drill Core
3203065	Drill Core
3203066	Drill Core
3203067	Drill Core



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CERTIFICATE OF ANALYSIS

WHI20000578.1

	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
3203068	Drill Core	6.57	1.5	76.6	806.2	3339	6.8	415.8	62.0	202	29.70	621	1.0	0.6	152	20.3	134.2	<0.5	27	0.19	0.090
3203069	Drill Core	8.09	1.4	74.0	875.7	9893	7.4	406.4	47.2	88	32.68	918	1.0	<0.5	140	61.3	165.8	<0.5	25	0.18	0.081



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CERTIFICATE OF ANALYSIS

WHI20000578.1

	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
3203068	Drill Core	0.9	86.3	<0.01	55	0.003	0.29	<0.01	0.06	<0.5	12.92	<0.5	3.3	>30	<5	<2	22.46	3.94	45.15	0.28	0.05
3203069	Drill Core	0.7	108.7	<0.01	51	0.004	0.30	<0.01	0.06	<0.5	16.19	0.6	5.5	>30	<5	<2	18.49	2.64	48.76	0.26	0.05



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CERTIFICATE OF ANALYSIS

WHI20000578.1

	Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04
	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	0.02	0.15
3203068	Drill Core	0.45	0.03	0.89	0.26	0.05	0.82	<0.01	0.07	0.32	23.90	98.94	0.02	0.45	36.02	0.42	<0.02	<0.08	25.06	32.84
3203069	Drill Core	0.30	0.01	0.64	0.24	0.03	0.56	<0.01	0.08	0.95	25.57	98.96	0.01	0.36	39.84	0.32	<0.02	0.08	28.19	34.90



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CERTIFICATE OF ANALYSIS

WHI20000578.1

		Method	LF726
		Analyte	Zn
		Unit	%
		MDL	0.1
3203068	Drill Core		
3203069	Drill Core		



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QUALITY CONTROL REPORT

WHI20000578.1

	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	0.5	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
3202991	Drill Core	3.03	20.3	183.6	111.2	26	2.1	99.7	9.2	38	1.89	48	1.7	1.8	24	<0.5	32.6	<0.5	41	0.02	0.003
3203056	Drill Core	5.12	8.2	245.5	2859.5	60285	25.6	146.4	45.7	72	28.85	888	3.6	<0.5	35	338.8	388.2	<0.5	23	0.02	0.019
Pulp Duplicates																					
REP 3202979	QC																				
3202984	Drill Core	2.76	8.3	11.5	58.8	20	0.9	1.6	<0.5	20	0.43	15	0.6	1.1	38	<0.5	15.2	<0.5	27	0.02	0.003
REP 3202984	QC																				
3202985	Drill Core	4.77	12.7	22.8	170.6	25	2.1	6.0	0.7	24	0.85	19	0.7	1.4	41	<0.5	23.0	<0.5	31	0.02	0.004
REP 3202985	QC																				
3202990	Drill Core	3.47	27.0	91.7	110.7	22	2.9	143.6	12.8	39	2.31	60	1.5	1.9	27	<0.5	40.3	<0.5	46	0.02	0.003
REP 3202990	QC																				
3202994	Drill Core	3.48	8.8	221.5	240.9	26	4.6	92.6	12.7	30	6.44	81	1.4	2.5	22	<0.5	60.8	<0.5	28	0.02	0.005
REP 3202994	QC		8.7	208.5	224.4	24	4.3	85.8	11.3	28	6.33	80	1.3	2.4	24	<0.5	57.7	<0.5	28	0.02	0.004
3203001	Drill Core	1.90	34.3	174.2	324.8	103	6.4	136.3	18.4	36	4.67	95	3.3	2.2	25	0.6	88.0	<0.5	31	0.02	0.006
REP 3203001	QC																				
3203003	Drill Core	2.50	24.4	195.6	285.0	141	5.4	156.6	16.9	39	3.86	96	3.1	2.1	21	1.5	82.3	<0.5	33	0.01	0.006
REP 3203003	QC																				
3203007	Drill Core	3.36	23.5	99.7	135.3	242	2.9	150.4	15.7	73	4.88	96	2.9	3.2	359	1.1	52.8	<0.5	60	0.08	0.041
REP 3203007	QC																				
3203010	Drill Core	6.47	11.6	211.9	>40000>200000	77.6	25.8	18.6	396	4.48	308	<0.5	0.7	<5	1182.0	1290.0	<0.5	<10	<0.01	<0.001	
REP 3203010	QC																				
3203012	Drill Core	4.20	24.9	66.6	235.6	90	4.6	143.9	14.9	66	6.78	145	3.2	2.4	255	0.8	59.4	<0.5	67	0.08	0.046
REP 3203012	QC																				
3203018	Drill Core	4.75	7.8	405.6	6960.5	100375	48.8	32.9	10.4	109	32.97	822	0.9	0.8	<5	643.8	377.7	<0.5	12	<0.01	0.002
REP 3203018	QC																				
3203023	Drill Core	3.33	59.6	65.8	462.3	1123	4.9	135.1	7.8	47	10.28	384	10.7	0.8	53	8.6	91.7	<0.5	63	0.04	0.027
REP 3203023	QC																				
3203025	Drill Core	3.09	6.1	31.5	154.6	486	1.8	47.3	6.3	55	4.33	90	2.1	1.2	198	3.8	29.2	<0.5	42	0.15	0.069
REP 3203025	QC																				
3203028	Drill Core	5.49	24.3	307.7	1111.2	19803	17.6	67.3	17.3	118	31.51	684	3.1	<0.5	14	216.6	259.4	<0.5	26	<0.01	0.005



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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
3202991	Drill Core	2.7	9.5	0.01	1459	0.001	0.35	<0.01	0.10	<0.5	0.55	1.9	1.7	2.02	<5	6	78.51	7.74	2.80	0.02	0.17
3203056	Drill Core	0.6	28.0	<0.01	39	0.001	0.18	<0.01	0.03	<0.5	83.43	0.6	16.4	>30	5	<2	19.05	1.79	44.42	0.04	0.04
Pulp Duplicates																					
REP 3202979	QC																				
3202984	Drill Core	2.0	6.2	0.01	2011	0.002	0.26	<0.01	0.10	<0.5	0.33	1.0	1.2	0.10	<5	3	85.87	5.71	0.72	0.01	0.13
REP 3202984	QC																				
3202985	Drill Core	2.4	6.2	0.01	2982	0.002	0.28	<0.01	0.10	<0.5	0.74	1.2	1.4	0.50	<5	5	84.91	5.60	1.34	0.02	0.13
REP 3202985	QC																84.86	5.63	1.35	0.03	0.15
3202990	Drill Core	3.1	9.4	0.01	1225	<0.001	0.36	<0.01	0.10	<0.5	0.89	2.1	2.2	2.50	<5	7	76.25	8.94	3.43	0.02	0.18
REP 3202990	QC																76.33	8.97	3.45	0.02	0.19
3202994	Drill Core	3.6	20.8	0.02	331	0.003	0.40	<0.01	0.10	<0.5	1.26	1.8	1.8	7.25	<5	8	67.93	9.62	9.33	0.02	0.20
REP 3202994	QC	3.2	20.3	0.01	437	0.001	0.37	<0.01	0.10	<0.5	1.28	1.9	1.8	7.26	<5	8					
3203001	Drill Core	2.9	23.2	0.02	569	0.002	0.44	<0.01	0.10	<0.5	2.32	2.0	4.4	5.33	<5	5	72.82	8.34	6.76	0.03	0.17
REP 3203001	QC																				
3203003	Drill Core	3.0	22.2	0.01	985	0.001	0.35	<0.01	0.08	<0.5	2.34	1.5	3.8	4.30	<5	5	76.28	6.92	5.68	0.02	0.12
REP 3203003	QC																				
3203007	Drill Core	4.9	21.9	0.03	918	0.003	5.11	0.01	0.09	<0.5	2.45	3.8	5.4	2.36	9	9	59.20	11.20	6.92	0.11	0.19
REP 3203007	QC																				
3203010	Drill Core	<0.5	2.8	<0.01	56	<0.001	0.02	<0.01	<0.01	<0.5	752.00	<0.5	5.1	26.92	17	15	13.68	0.13	6.26	<0.01	<0.01
REP 3203010	QC																				
3203012	Drill Core	4.3	25.9	<0.01	743	0.005	5.00	0.02	0.08	<0.5	3.74	3.5	7.2	4.50	9	4	57.09	10.37	9.46	0.11	0.06
REP 3203012	QC																				
3203018	Drill Core	<0.5	11.1	<0.01	63	0.001	0.03	<0.01	<0.01	<0.5	137.84	<0.5	19.5	>30	11	7	15.37	0.16	44.80	<0.01	<0.01
REP 3203018	QC																15.34	0.14	44.89	<0.01	<0.01
3203023	Drill Core	2.0	21.2	<0.01	170	0.002	0.34	<0.01	0.05	<0.5	3.95	1.6	5.0	11.17	<5	4	67.00	4.50	14.79	0.06	0.08
REP 3203023	QC																67.04	4.50	14.78	0.06	0.08
3203025	Drill Core	3.2	16.9	0.01	654	0.002	1.73	<0.01	0.07	<0.5	1.11	1.7	3.4	3.69	<5	<2	72.80	7.22	6.30	0.20	0.10
REP 3203025	QC																				
3203028	Drill Core	0.7	15.7	<0.01	39	<0.001	0.09	<0.01	0.01	<0.5	30.48	0.8	11.7	>30	7	<2	25.29	0.70	45.54	0.01	0.02



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QUALITY CONTROL REPORT

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	Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04
	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	Density
	Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g/cm3
	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	0.02	0.15	0.01
3202991	Drill Core	1.09	<0.01	0.36	0.02	<0.01	1.43	0.01	<0.01	<0.01	5.69	98.10	0.07	2.84	2.16	2.70	0.14	<0.08	1.30	2.57	2.76
3203056	Drill Core	0.20	<0.01	0.25	0.06	<0.01	0.39	0.02	0.28	6.11	24.81	99.16	0.02	0.78	37.99	0.76	<0.02	<0.08	28.49	28.46	4.13
Pulp Duplicates																					
REP 3202979	QC													3.97	0.25						
3202984	Drill Core	0.85	<0.01	0.28	0.01	<0.01	1.00	<0.01	<0.01	<0.01	3.84	98.59	0.05	2.44	0.16	2.27	0.16	<0.08	0.05	0.33	2.73
REP 3202984	QC													2.42	0.18						
3202985	Drill Core	0.83	<0.01	0.31	0.02	<0.01	1.10	<0.01	0.01	<0.01	4.14	98.59	0.04	2.50	0.55	2.39	0.10	<0.08	0.29	0.78	2.70
REP 3202985	QC	0.84	<0.01	0.32	0.02	<0.01	1.10	<0.01	<0.01	<0.01	4.14	98.67	0.05								
3202990	Drill Core	1.26	<0.01	0.40	0.02	<0.01	1.63	<0.01	<0.01	<0.01	6.81	99.22	0.09	3.36	2.64	3.15	0.21	<0.08	1.53	3.31	2.80
REP 3202990	QC	1.26	<0.01	0.41	0.03	<0.01	1.64	<0.01	0.01	<0.01	6.81	99.42	0.09								2.80
3202994	Drill Core	1.33	0.01	0.44	0.03	0.02	2.04	0.02	0.03	0.01	7.98	99.34	0.05	1.84	7.31	1.81	0.02	<0.08	5.32	5.97	2.96
REP 3202994	QC																				
3203001	Drill Core	1.03	<0.01	0.42	0.04	<0.01	1.56	0.01	0.03	0.01	7.24	98.71	0.04	2.17	5.39	2.12	0.05	<0.08	3.83	4.69	2.92
REP 3203001	QC																0.05				
3203003	Drill Core	0.76	0.01	0.40	0.02	<0.01	1.13	0.02	0.03	0.01	7.16	98.73	0.05	2.68	4.52	2.60	0.07	<0.08	3.12	4.20	2.84
REP 3203003	QC																		3.00		
3203007	Drill Core	0.20	0.01	0.51	0.11	<0.01	12.48	<0.01	0.02	0.02	6.15	98.63	0.06	1.77	5.34	1.69	0.08	<0.08	3.31	6.08	3.07
REP 3203007	QC																	<0.08			
3203010	Drill Core	0.02	0.06	<0.01	<0.01	<0.01	0.04	0.02	8.33	>24	15.38	99.91	<0.01	0.61	28.27	0.60	<0.02	<0.08	18.90	28.07	4.09
REP 3203010	QC																				
3203012	Drill Core	0.22	<0.01	0.51	0.11	<0.01	12.24	<0.01	0.03	<0.01	7.20	98.93	0.07	2.06	7.28	1.97	0.08	<0.08	4.62	7.96	3.16
REP 3203012	QC													2.03	7.06						
3203018	Drill Core	0.01	0.02	0.03	<0.01	<0.01	0.04	0.03	0.63	9.72	25.67	99.06	<0.01	0.50	38.92	0.49	<0.02	<0.08	25.68	39.67	4.32
REP 3203018	QC	0.01	0.02	0.03	<0.01	<0.01	0.04	0.03	0.64	9.71	25.67	99.14	<0.01								
3203023	Drill Core	0.39	<0.01	0.28	0.09	<0.01	0.78	<0.01	0.04	0.11	11.43	99.73	0.06	3.16	11.80	3.00	0.16	<0.08	8.71	9.27	3.01
REP 3203023	QC	0.40	<0.01	0.28	0.08	<0.01	0.77	<0.01	0.05	0.11	11.43	99.76	0.06								
3203025	Drill Core	0.47	<0.01	0.47	0.18	<0.01	5.18	<0.01	0.01	0.05	5.66	99.35	0.05	1.38	4.90	1.33	0.04	<0.08	3.58	3.96	2.92
REP 3203025	QC																				2.92
3203028	Drill Core	0.05	0.01	0.08	0.02	<0.01	0.42	0.02	0.11	1.93	24.95	99.77	<0.01	1.52	38.25	1.50	<0.02	<0.08	26.48	35.26	4.05



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QUALITY CONTROL REPORT

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Method	LF726
Analyte	Zn
Unit	%
MDL	0.1
3202991	Drill Core
3203056	Drill Core
Pulp Duplicates	
REP 3202979	QC
3202984	Drill Core
REP 3202984	QC
3202985	Drill Core
REP 3202985	QC
3202990	Drill Core
REP 3202990	QC
3202994	Drill Core
REP 3202994	QC
3203001	Drill Core
REP 3203001	QC
3203003	Drill Core
REP 3203003	QC
3203007	Drill Core
REP 3203007	QC
3203010	Drill Core
REP 3203010	QC
3203012	Drill Core
REP 3203012	QC
3203018	Drill Core
REP 3203018	QC
3203023	Drill Core
REP 3203023	QC
3203025	Drill Core
REP 3203025	QC
3203028	Drill Core



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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
REP 3203028	QC		25.3	312.2	1167.3	20328	18.4	67.8	17.4	123	32.38	703	3.2	<0.5	15	218.5	269.3	<0.5	25	<0.01	0.007
3203035	Drill Core	5.99	9.7	759.8	1355.8	42921	19.4	25.0	8.7	82	36.52	774	13.2	0.9	15	464.5	263.6	<0.5	17	<0.01	0.015
REP 3203035	QC																				
3203038	Drill Core	4.65	29.1	371.4	1622.0	58906	22.4	86.9	17.3	126	24.29	597	10.9	0.6	14	554.4	266.3	<0.5	28	<0.01	0.013
REP 3203038	QC																				
3203042	Drill Core	1.57	29.2	223.8	810.2	13021	9.3	76.9	15.3	125	15.17	450	7.9	0.6	12	146.6	166.4	<0.5	24	0.01	0.007
REP 3203042	QC																				
REP 3203047	QC																				
3203050	Drill Core	3.85	5.1	192.8	887.2	14392	9.3	359.6	65.8	79	23.30	738	4.3	0.8	43	118.5	170.9	<0.5	31	0.06	0.032
REP 3203050	QC																				
3203052	Drill Core	4.62	5.1	207.2	1408.8	83256	18.1	404.1	81.3	58	22.69	1438	8.3	0.9	24	477.4	364.9	<0.5	22	0.01	0.017
REP 3203052	QC																				
3203054	Drill Core	7.67	12.4	166.1	2048.4	26995	21.6	118.6	37.2	75	27.42	1239	3.2	0.5	17	162.0	343.5	<0.5	23	<0.01	0.009
REP 3203054	QC																				
3203055	Drill Core	1.47	7.4	170.3	1545.4	38000	17.7	52.4	23.9	52	28.62	1276	4.5	<0.5	23	169.6	323.6	<0.5	20	<0.01	0.009
REP 3203055	QC																				
3203057	Drill Core	3.92	2.9	92.5	602.3	557	8.0	682.1	83.9	257	25.95	517	2.2	0.7	336	3.9	131.9	<0.5	64	0.52	0.255
REP 3203057	QC		3.0	94.3	602.2	562	8.4	693.7	85.7	258	26.02	527	2.2	0.6	356	4.2	137.2	<0.5	65	0.53	0.262
3203062	Drill Core	3.69	3.4	119.6	586.1	4094	8.3	599.6	78.9	301	28.09	566	1.5	0.7	104	24.7	147.5	<0.5	48	0.14	0.092
REP 3203062	QC																				
3203064	Drill Core	6.54	2.9	63.0	573.8	1424	6.1	581.3	66.5	96	30.54	896	1.6	0.7	69	9.0	160.9	<0.5	32	0.07	0.050
REP 3203064	QC																				
3203066	Drill Core	4.54	2.2	53.8	487.0	2590	5.0	821.2	89.2	144	22.05	881	1.5	1.0	526	16.2	119.2	<0.5	41	0.51	0.244
REP 3203066	QC																				
Core Reject Duplicates																					
3202979	Drill Core	2.78	13.4	8.0	171.5	29	2.1	1.4	<0.5	18	0.53	18	0.6	1.4	71	<0.5	31.6	<0.5	25	0.02	0.004
DUP 3202979	QC		12.3	6.4	168.0	27	2.2	1.2	<0.5	21	0.55	15	0.6	1.4	70	<0.5	30.9	<0.5	25	0.02	0.003
3203013	Drill Core	2.99	26.6	83.9	279.3	65	5.5	129.4	13.2	85	6.21	206	4.8	1.7	209	0.7	55.5	<0.5	70	0.11	0.072
DUP 3203013	QC		26.7	82.3	282.7	63	5.3	135.6	13.4	81	6.20	206	4.7	1.8	214	0.8	55.6	<0.5	68	0.11	0.077



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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
REP 3203028	QC	0.7	15.8	<0.01	44	<0.001	0.10	<0.01	0.01	<0.5	31.94	0.6	12.4	>30	<5	3					
3203035	Drill Core	0.9	9.4	<0.01	31	<0.001	0.06	<0.01	<0.01	<0.5	70.34	0.7	17.2	>30	11	<2	13.08	0.24	51.86	0.01	0.02
REP 3203035	QC																				
3203038	Drill Core	0.9	15.3	<0.01	41	0.001	0.11	<0.01	0.01	<0.5	93.21	1.0	10.3	28.84	11	2	35.83	0.89	33.10	0.02	0.02
REP 3203038	QC																				
3203042	Drill Core	0.7	16.8	<0.01	74	<0.001	0.13	<0.01	0.02	<0.5	22.94	1.0	4.4	17.65	<5	<2	60.24	1.75	21.91	0.02	0.03
REP 3203042	QC																				
REP 3203047	QC																				
3203050	Drill Core	0.7	87.6	<0.01	55	0.004	0.33	<0.01	0.06	<0.5	24.49	1.2	6.3	27.57	<5	<2	34.33	4.37	36.39	0.11	0.07
REP 3203050	QC																34.21	4.40	36.23	0.09	0.08
3203052	Drill Core	0.9	76.2	<0.01	58	0.003	0.26	<0.01	0.03	<0.5	111.49	1.4	10.3	29.75	8	2	29.29	2.78	34.21	0.04	0.05
REP 3203052	QC																				
3203054	Drill Core	0.7	17.6	<0.01	45	0.001	0.19	<0.01	0.03	<0.5	41.06	<0.5	15.6	>30	<5	<2	29.03	1.47	42.23	0.01	0.05
REP 3203054	QC																29.04	1.46	42.16	0.02	0.05
3203055	Drill Core	0.7	13.0	<0.01	33	<0.001	0.12	<0.01	0.02	<0.5	54.80	0.5	21.9	>30	<5	<2	25.69	0.89	43.32	0.01	0.03
REP 3203055	QC																				
3203057	Drill Core	1.3	228.2	0.02	91	0.005	0.71	0.01	0.11	<0.5	10.18	1.5	4.0	29.81	<5	<2	19.70	8.55	40.56	0.78	0.13
REP 3203057	QC	1.5	230.5	0.02	84	0.005	0.72	0.01	0.11	<0.5	10.15	1.5	4.1	>30	<5	<2					
3203062	Drill Core	1.1	153.7	<0.01	52	0.004	0.42	<0.01	0.07	<0.5	17.74	1.2	3.6	>30	<5	<2	21.49	5.68	43.38	0.22	0.09
REP 3203062	QC																				
3203064	Drill Core	1.1	115.2	<0.01	68	0.004	0.36	<0.01	0.07	<0.5	5.27	0.7	5.3	>30	<5	<2	18.38	5.72	46.64	0.12	0.10
REP 3203064	QC																				
3203066	Drill Core	1.8	139.9	0.01	103	0.005	0.64	0.01	0.10	<0.5	10.37	0.9	4.1	26.01	<5	<2	31.51	8.61	33.58	0.73	0.12
REP 3203066	QC																				
Core Reject Duplicates																					
3202979	Drill Core	3.0	4.0	0.01	3158	0.002	0.25	<0.01	0.09	<0.5	1.39	0.9	1.1	0.21	<5	7	82.98	6.30	0.87	0.02	0.13
DUP 3202979	QC	2.8	4.1	0.01	3005	0.002	0.25	<0.01	0.09	<0.5	1.32	0.8	1.0	0.20	<5	5	82.79	6.19	0.88	0.02	0.13
3203013	Drill Core	3.5	28.1	<0.01	419	0.002	3.79	<0.01	0.10	<0.5	1.99	4.1	7.1	4.63	8	3	61.28	8.49	8.78	0.15	0.05
DUP 3203013	QC	3.5	28.1	<0.01	435	0.002	3.78	<0.01	0.10	<0.5	2.01	3.8	7.0	4.76	8	4	60.33	8.41	8.66	0.16	0.05



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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 %	TC010 S/S- %	TC010 SO4 %	SPG04 Density g/cm3
		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	0.02	0.15	0.01
REP 3203028	QC																				
3203035	Drill Core	0.02	0.01	0.02	0.04	<0.01	0.25	0.07	0.14	4.30	27.99	99.29	<0.01	0.61	42.28	0.61	<0.02	<0.08	29.65	37.84	4.41
REP 3203035	QC																<0.02				
3203038	Drill Core	0.08	0.02	0.11	0.04	<0.01	1.19	0.03	0.15	5.69	20.47	99.29	<0.01	1.95	29.32	1.93	<0.02	<0.08	21.88	22.29	3.67
REP 3203038	QC																		20.14		
3203042	Drill Core	0.13	0.02	0.13	0.04	<0.01	0.30	0.02	0.07	1.27	13.35	99.70	0.01	1.85	18.24	1.81	0.03	<0.08	13.26	14.92	3.20
REP 3203042	QC																	<0.08			
REP 3203047	QC													1.60	22.62						
3203050	Drill Core	0.44	0.01	0.96	0.11	0.05	1.15	0.02	0.08	1.43	19.30	99.38	0.04	0.34	29.57	0.32	<0.02	<0.08	21.84	23.16	3.71
REP 3203050	QC	0.42	0.02	0.95	0.11	0.04	1.16	0.02	0.09	1.42	19.30	99.10	0.03								
3203052	Drill Core	0.29	<0.01	0.89	0.07	0.02	0.71	0.02	0.15	8.33	19.84	98.92	0.02	0.34	31.72	0.32	<0.02	<0.08	23.68	24.09	3.77
REP 3203052	QC																	<0.08			
3203054	Drill Core	0.18	0.01	0.13	0.03	<0.01	0.29	0.01	0.21	2.73	22.54	99.72	0.01	0.84	34.36	0.82	<0.02	<0.08	24.20	30.44	3.89
REP 3203054	QC	0.17	0.01	0.14	0.04	<0.01	0.29	0.01	0.21	2.72	22.54	99.62	0.01								
3203055	Drill Core	0.11	<0.01	0.05	0.04	<0.01	0.17	0.01	0.15	3.82	23.46	98.77	0.01	0.96	35.77	0.94	<0.02	<0.08	26.96	26.39	3.95
REP 3203055	QC																				3.96
3203057	Drill Core	0.96	0.05	2.05	0.70	0.15	1.94	<0.01	0.06	0.06	22.54	98.56	0.06	0.77	33.65	0.75	<0.02	<0.08	23.25	31.16	4.31
REP 3203057	QC																				
3203062	Drill Core	0.63	0.05	1.36	0.26	0.10	1.25	<0.01	0.06	0.41	23.44	98.73	0.05	0.64	35.25	0.63	<0.02	<0.08	25.46	29.33	3.95
REP 3203062	QC																<0.02				
3203064	Drill Core	0.63	0.01	1.44	0.15	0.08	1.27	<0.01	0.06	0.14	24.81	99.84	0.03	0.64	36.59	0.61	<0.02	<0.08	26.97	28.82	4.05
REP 3203064	QC																		27.16		
3203066	Drill Core	0.95	0.03	2.03	0.66	0.13	1.97	<0.01	0.04	0.25	18.53	99.56	0.04	0.41	25.68	0.38	<0.02	<0.08	21.23	13.33	3.69
REP 3203066	QC																		22.36		
Core Reject Duplicates																					
3202979	Drill Core	0.94	<0.01	0.33	0.02	0.01	1.14	<0.01	0.02	<0.01	5.55	98.54	0.04	3.97	0.26	3.61	0.36	<0.08	0.10	0.49	2.71
DUP 3202979	QC	0.93	<0.01	0.33	0.02	<0.01	1.15	<0.01	0.01	<0.01	5.62	98.29	0.04	3.99	0.25	3.65	0.33	<0.08	0.09	0.47	2.73
3203013	Drill Core	0.30	0.01	0.46	0.15	<0.01	11.00	<0.01	0.04	<0.01	7.25	99.33	0.06	2.04	7.19	1.96	0.08	<0.08	4.40	8.36	3.13
DUP 3203013	QC	0.30	0.02	0.47	0.14	<0.01	10.88	<0.01	0.04	<0.01	7.36	98.18	0.06	1.97	7.31	1.88	0.08	<0.08	4.43	8.63	3.08



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		LF726 Zn % 0.1
REP 3203028	QC	
3203035	Drill Core	
REP 3203035	QC	
3203038	Drill Core	
REP 3203038	QC	
3203042	Drill Core	
REP 3203042	QC	
REP 3203047	QC	
3203050	Drill Core	
REP 3203050	QC	
3203052	Drill Core	
REP 3203052	QC	
3203054	Drill Core	
REP 3203054	QC	
3203055	Drill Core	
REP 3203055	QC	
3203057	Drill Core	
REP 3203057	QC	
3203062	Drill Core	
REP 3203062	QC	
3203064	Drill Core	
REP 3203064	QC	
3203066	Drill Core	
REP 3203066	QC	
Core Reject Duplicates		
3202979	Drill Core	
DUP 3202979	QC	
3203013	Drill Core	
DUP 3203013	QC	



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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
3203047	Drill Core	3.92	28.1	363.9	714.6	15400	8.8	83.7	14.8	112	18.61	501	7.9	1.1	13	133.4	207.6	<0.5	22	<0.01	0.009
DUP 3203047	QC		26.7	339.4	690.8	14269	8.5	83.8	14.2	104	18.22	488	6.7	0.8	12	125.3	206.0	<0.5	20	<0.01	0.010
Reference Materials																					
STD AMIS0330	Standard																				
STD AMIS0349	Standard																				
STD AMIS0342	Standard																				
STD AMIS0330	Standard																				
STD AMIS0330	Standard																				
STD AMIS0342	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD CZN-4	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS314-1	Standard																				
STD GS314-1	Standard																				
STD GS314-1	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
3203047	Drill Core	0.6	18.4	<0.01	72	0.001	0.13	<0.01	0.02	<0.5	24.12	0.9	5.8	21.32	<5	<2	52.80	1.08	27.30	0.03	0.05
DUP 3203047	QC	<0.5	18.2	<0.01	72	0.001	0.12	<0.01	0.02	<0.5	22.07	0.6	5.3	21.02	<5	<2	53.22	1.05	26.94	0.03	0.04
Reference Materials																					
STD AMIS0330	Standard																				
STD AMIS0349	Standard																				
STD AMIS0342	Standard																				
STD AMIS0330	Standard																				
STD AMIS0330	Standard																				
STD AMIS0342	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD CZN-4	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS314-1	Standard																				
STD GS314-1	Standard																				
STD GS314-1	Standard																				



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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 %	TC010 S/S- %	TC010 SO4 %	SPG04 Density g/cm3	
		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	0.02	0.15	0.01	
3203047	Drill Core	0.11	0.02	0.10	0.03	<0.01	0.32	0.03	0.07	1.51	15.48	99.33	0.01	1.62	22.90	1.59	0.03	<0.08	17.63	15.79	3.31	
DUP 3203047	QC	0.11	0.01	0.10	0.03	<0.01	0.30	0.03	0.07	1.42	15.16	98.90	0.01	1.57	21.99	1.53	0.04	<0.08	16.22	17.29	3.32	
Reference Materials																						
STD AMIS0330	Standard																					3.20
STD AMIS0349	Standard																					2.86
STD AMIS0342	Standard																					2.69
STD AMIS0330	Standard																					3.20
STD AMIS0330	Standard																					3.17
STD AMIS0342	Standard																					2.68
STD COO2	Standard																		3.63			
STD COO2	Standard																		3.54			
STD COO2	Standard																		3.57			
STD COO2	Standard																		3.59			
STD COO2	Standard																		3.57			
STD COO2	Standard																		3.51			
STD CZN-4	Standard																					
STD GGC-09	Standard																2.33					
STD GGC-09	Standard																2.32					
STD GGC-09	Standard																2.34					
STD GGC-10	Standard																5.14					
STD GGC-10	Standard																4.89					
STD GGC-10	Standard																4.91					
STD GS311-1	Standard													0.99	2.30							
STD GS311-1	Standard													0.98	2.24							
STD GS311-1	Standard													0.99	2.31							
STD GS311-1	Standard													0.97	2.46							
STD GS314-1	Standard													1.33	28.81							
STD GS314-1	Standard													1.37	28.68							
STD GS314-1	Standard													1.39	29.15							



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3203047	Drill Core	
DUP 3203047	QC	
Reference Materials		
STD AMIS0330	Standard	
STD AMIS0349	Standard	
STD AMIS0342	Standard	
STD AMIS0330	Standard	
STD AMIS0330	Standard	
STD AMIS0342	Standard	
STD COO2	Standard	
STD COO2	Standard	
STD COO2	Standard	
STD COO2	Standard	
STD COO2	Standard	
STD CZN-4	Standard	56.0
STD GGC-09	Standard	
STD GGC-09	Standard	
STD GGC-09	Standard	
STD GGC-10	Standard	
STD GGC-10	Standard	
STD GGC-10	Standard	
STD GS311-1	Standard	
STD GS311-1	Standard	
STD GS311-1	Standard	
STD GS311-1	Standard	
STD GS314-1	Standard	
STD GS314-1	Standard	
STD GS314-1	Standard	



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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 GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS135	Standard		8.2	293.7	18336.7	28564	57.9	35.4	33.6	4073	9.07	995	8.7	10.8	27	71.6	38.3	5.2	34	1.96	0.094
STD OREAS605	Standard		4.6	47106.6	888.1	2093	988.3	1501.0	98.8	80	3.65	1713	0.9	3.0	51	14.0	283.4	18.0	<10	0.19	0.011
STD OREAS605	Standard		4.8	47802.3	920.3	2152	>1000	1557.2	104.3	86	3.76	1741	0.9	2.4	52	14.6	281.0	18.5	<10	0.19	0.009
STD OREAS605	Standard		4.6	47098.7	819.4	2140	954.2	1604.7	99.8	76	3.46	1596	0.8	2.7	48	13.0	274.2	17.5	<10	0.17	0.011
STD OREAS605	Standard		4.9	48176.7	815.6	2138	928.4	1507.8	99.1	76	3.60	1614	0.9	2.5	48	13.1	271.9	17.6	<10	0.16	0.012
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard		0.9	10795.4	220.1	731	4.3	29.7	29.9	1059	8.14	12	1.7	13.7	11	1.0	1.2	66.3	33	0.32	0.053
STD OREAS927-AR	Standard		1.1	10469.3	210.7	702	3.8	28.5	29.0	1030	8.02	11	1.6	12.2	13	0.9	1.3	60.9	32	0.30	0.055
STD OREAS927-AR	Standard		0.9	10540.2	216.6	711	4.6	30.0	30.0	1020	7.93	16	1.7	12.8	12	1.1	1.2	62.3	33	0.29	0.053
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 SY-4(D)	Standard																				
STD AMIS0349 Expected																					
STD AMIS0330 Expected																					
STD AMIS0342 Expected																					
STD SY-4(D) Expected																					



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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
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS135	Standard	39.8	23.0	0.86	411	0.028	1.10	0.02	0.53	2.8	1.12	4.1	6.7	7.16	9	2					
STD OREAS605	Standard	7.4	29.9	0.03	177	0.012	0.75	0.03	0.14	7.0	1.30	1.3	15.3	7.67	6	73					
STD OREAS605	Standard	8.2	29.8	0.03	226	0.011	0.72	0.03	0.14	6.9	1.86	1.5	15.3	7.85	7	79					
STD OREAS605	Standard	7.2	28.0	0.03	203	0.010	0.74	0.03	0.14	6.2	1.52	1.2	14.1	7.61	6	70					
STD OREAS605	Standard	7.7	28.3	0.03	251	0.010	0.74	0.03	0.14	6.8	1.48	1.0	14.3	7.63	6	71					
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard	27.5	41.1	1.91	50	0.096	3.19	<0.01	0.27	5.6	<0.05	5.7	<0.5	1.76	9	15					
STD OREAS927-AR	Standard	24.8	40.2	1.91	42	0.089	3.24	<0.01	0.27	3.9	0.25	4.4	<0.5	1.71	8	14					
STD OREAS927-AR	Standard	25.4	41.3	1.87	40	0.081	3.20	<0.01	0.26	4.6	<0.05	4.3	<0.5	1.72	9	14					
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 SY-4(D)	Standard																				
STD AMIS0349 Expected																					
STD AMIS0330 Expected																					
STD AMIS0342 Expected																					
STD SY-4(D) Expected																					



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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04	
		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	Density
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g/cm3
		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	0.02	0.15	0.01
STD GS910-4	Standard													2.68	8.15						
STD GS910-4	Standard													2.66	8.17						
STD GS910-4	Standard													2.64	8.59						
STD GS910-4	Standard													2.69	8.32						
STD OREAS133B(D)	Standard	3.48	0.16	0.22	0.10	<0.01	0.07	0.03	5.08	11.38	13.03	98.26	<0.01								
STD OREAS133B(D)	Standard	3.47	0.16	0.22	0.10	<0.01	0.09	0.03	5.08	11.35	13.03	97.88	<0.01								
STD OREAS133B(D)	Standard	3.45	0.16	0.21	0.09	<0.01	0.08	0.03	5.06	11.36	13.03	97.93	<0.01								
STD OREAS135	Standard																				
STD OREAS605	Standard																				
STD OREAS605	Standard																				
STD OREAS605	Standard																				
STD OREAS605	Standard																				
STD OREAS72B	Standard	1.35	0.13	0.35	0.06	0.15	0.03	0.02	<0.01	<0.01	5.23	98.57	0.01								
STD OREAS72B	Standard	1.33	0.14	0.35	0.06	0.14	0.03	0.02	<0.01	0.01	5.03	98.47	0.01								
STD OREAS72B	Standard	1.32	0.13	0.35	0.06	0.14	0.03	0.02	<0.01	0.01	5.05	98.28	0.01								
STD OREAS927-AR	Standard																				
STD OREAS927-AR	Standard																				
STD OREAS927-AR	Standard																				
STD RTS-3A	Standard																			6.99	
STD RTS-3A	Standard																			6.51	
STD RTS-3A	Standard																			6.41	
STD RTS-3A	Standard																			6.70	
STD SY-4(D)	Standard	1.66	0.11	0.30	0.14	<0.01	0.03	<0.01	<0.01	0.01	4.56	99.36	<0.01								
STD SY-4(D)	Standard	1.66	0.11	0.30	0.14	<0.01	0.03	<0.01	<0.01	0.01	4.56	99.51	<0.01								
STD SY-4(D)	Standard	1.66	0.11	0.30	0.14	<0.01	0.03	<0.01	<0.01	0.01	4.56	99.40	<0.01								
STD AMIS0349 Expected																					
STD AMIS0330 Expected																					
STD AMIS0342 Expected																					
STD SY-4(D) Expected		1.66	0.108	0.287	0.131	0.0345			4.56												



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		LF726 Zn % 0.1
STD GS910-4	Standard	
STD GS910-4	Standard	
STD GS910-4	Standard	
STD GS910-4	Standard	
STD OREAS133B(D)	Standard	
STD OREAS133B(D)	Standard	
STD OREAS133B(D)	Standard	
STD OREAS135	Standard	
STD OREAS605	Standard	
STD OREAS605	Standard	
STD OREAS605	Standard	
STD OREAS605	Standard	
STD OREAS72B	Standard	
STD OREAS72B	Standard	
STD OREAS72B	Standard	
STD OREAS927-AR	Standard	
STD OREAS927-AR	Standard	
STD OREAS927-AR	Standard	
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 SY-4(D)	Standard	
STD AMIS0349 Expected		
STD AMIS0330 Expected		
STD AMIS0342 Expected		
STD SY-4(D) Expected		



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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
STD OREAS72B Expected																				
STD OREAS133B(D) Expected																				
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
STD GS314-1 Expected																				0.086
STD GGC-10 Expected																				
STD GGC-09 Expected																				
STD OREAS605 Expected			4.75	49800	856	2170	984	1568	96	83.44	3.6707	1674	0.9		49	13.6	290	19	7.8	0.182
STD OREAS927-AR Expected			1.06	10715	203	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
STD CZN-4 Expected																				0.054
STD GS311-1 Expected																				
STD GS910-4 Expected																				
STD RTS-3A Expected																				
STD COO2 Expected																				
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
SI BLK	Blank																			0.001
BLK	Blank																			
SI BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
SI BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank		<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
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
SI BLK	Blank																			<0.001
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			



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		AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	AQ270	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 OREAS72B Expected																	51.17	8.97	9.724	3.96	15.933
STD OREAS133B(D) Expected																	33.83	6.91	11.67	5.4	3.73
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 GS314-1 Expected																					
STD GGC-10 Expected																					
STD GGC-09 Expected																					
STD OREAS605 Expected		7.5	28.8	0.0289	222	0.0103	0.73	0.0328	0.134	7.1	1.7	1.3	15.5	7.86	6.7	77					
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 CZN-4 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD RTS-3A Expected																					
STD COO2 Expected																					
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					
SI BLK	Blank																98.94	0.31	<0.01	<0.01	0.03
BLK	Blank																				
SI BLK	Blank																98.61	0.31	<0.01	0.01	0.02
BLK	Blank																				
BLK	Blank																				
SI BLK	Blank																98.54	0.32	<0.01	<0.01	0.02
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					
SI BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



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		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04
		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	0.02	0.15
		g/cm3																		
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 OREAS135 Expected																				
STD GS314-1 Expected													1.41	29.11						
STD GGC-10 Expected																		4.79		
STD GGC-09 Expected																		2.41		
STD OREAS605 Expected																				
STD OREAS927-AR Expected																				
STD CZN-4 Expected																				
STD GS311-1 Expected													1.02	2.35						
STD GS910-4 Expected													2.65	8.27						
STD RTS-3A Expected																			7	
STD COO2 Expected																		3.43		
BLK	Blank																			
SI BLK	Blank	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	99.30	<0.01							
BLK	Blank													<0.02	<0.02					
SI BLK	Blank	<0.01	<0.01	0.04	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	0.00	98.99	<0.01							
BLK	Blank																	<0.02		
BLK	Blank																	<0.02		
SI BLK	Blank	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	98.86	<0.01							
BLK	Blank													<0.02	0.02					
BLK	Blank													<0.02	<0.02					
BLK	Blank																	<0.02		
BLK	Blank																			
BLK	Blank																			
SI BLK	Blank																			
BLK	Blank																		<0.02	
BLK	Blank													<0.02	<0.02					
BLK	Blank																		<0.02	



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		LF726 Zn % 0.1
STD OREAS72B Expected		
STD OREAS133B(D) Expected		
STD OREAS135 Expected		
STD GS314-1 Expected		
STD GGC-10 Expected		
STD GGC-09 Expected		
STD OREAS605 Expected		
STD OREAS927-AR Expected		
STD CZN-4 Expected		55.07
STD GS311-1 Expected		
STD GS910-4 Expected		
STD RTS-3A Expected		
STD COO2 Expected		
BLK	Blank	
SI BLK	Blank	
BLK	Blank	
SI BLK	Blank	
BLK	Blank	
BLK	Blank	
SI BLK	Blank	
BLK	Blank	
BLK	Blank	
BLK	Blank	
BLK	Blank	
BLK	Blank	
SI BLK	Blank	<0.1
BLK	Blank	
BLK	Blank	
BLK	Blank	



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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
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		0.8	1.5	2.0	35	<0.5	1.3	3.3	427	1.85	<5	0.5	2.3	22	<0.5	<0.5	<0.5	22	0.58	0.037
ROCK-WHI	Prep Blank		0.7	3.2	1.3	34	<0.5	0.9	3.1	425	1.87	<5	<0.5	2.6	22	<0.5	<0.5	<0.5	22	0.60	0.036



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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
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	6.5	2.2	0.48	53	0.098	0.79	0.08	0.08	<0.5	<0.05	3.6	<0.5	<0.05	<5	<2	71.00	14.04	3.05	2.26	0.82
ROCK-WHI	Prep Blank	6.5	2.3	0.47	52	0.098	0.84	0.09	0.09	<0.5	<0.05	3.5	<0.5	<0.05	<5	<2	70.83	14.06	3.12	2.27	0.83



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Vancouver British Columbia V5C 2V6 Canada

Project:

MacMillan Pass

Report Date:

February 08, 2021

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QUALITY CONTROL REPORT

WHI20000578.1

		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC010	TC010	SPG04	
		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	Density
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	g/cm3
		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	0.02	0.15	0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	2.03	0.08	0.32	0.09	<0.01	0.08	<0.01	<0.01	<0.01	0.80	99.13	<0.01	0.06	<0.02	<0.02	<0.02	0.21	<0.02	<0.15	2.75
ROCK-WHI	Prep Blank	2.06	0.08	0.33	0.08	<0.01	0.09	<0.01	<0.01	<0.01	0.79	99.00	<0.01	0.07	<0.02	<0.02	<0.02	0.24	<0.02	<0.15	2.79



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QUALITY CONTROL REPORT

WHI20000578.1

		LF726 Zn % 0.1
BLK	Blank	
BLK	Blank	
BLK	Blank	
BLK	Blank	
BLK	Blank	
Prep Wash		
ROCK-WHI	Prep Blank	
ROCK-WHI	Prep Blank	