



**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: August 01, 2019  
Report Date: August 28, 2019  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

WHI19000293.1

### CLIENT JOB INFORMATION

Project: MacMillan Pass  
Shipment ID: FWZ19-BV-018  
P.O. Number  
Number of Samples: 35

### 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	34	Crush, split and pulverize 500g rock to 200 mesh			WHI
SLBHP	1	Sort, label and box pulps			WHI
CRUBW	34	Extra clean rock wash between samples in crusher			WHI
PULSW	34	Extra Wash with Silica between each sample			WHI
AQ270	35	1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis	1	Completed	VAN
LF725	35	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
TC000	35	Total C/S Analysis by Leco	0.1	Completed	VAN
TC007	35	Graphite and Organic C by Leco After Ignition	0.1	Completed	VAN
TC006	35	Inorganic Carbon	0.2	Completed	VAN
TC009	35	Sulfide and Sulfate	0.1	Completed	VAN
SHP01	35	Per sample shipping charges for branch shipments			VAN
LF726	1	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN

### ADDITIONAL COMMENTS

V2O5 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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Page:

2 of 3

Part:

1 of 3

# CERTIFICATE OF ANALYSIS

WHI19000293.1

	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
3200954	Drill Core	5.97	20.2	38.4	1009.2	1762	4.2	73.3	6.1	184	2.09	62	2.6	4.9	60	9.3	25.3	<0.5	131	0.19	0.096
3200955	Drill Core	6.06	18.9	42.5	218.8	220	2.4	70.3	5.4	634	2.89	67	2.1	4.1	41	0.9	21.5	<0.5	130	0.17	0.089
3200956	Drill Core	4.30	16.7	35.4	516.9	1898	3.0	63.0	6.3	1909	4.46	62	2.2	4.2	79	10.0	25.1	<0.5	262	0.11	0.097
3200957	Drill Core	4.86	4.5	93.9	>40000	125597	99.7	22.2	10.8	3917	6.98	76	1.4	1.4	56	818.9	130.4	<0.5	85	0.05	0.053
3200958	Drill Core	4.90	5.5	98.1	24432.4	114579	50.5	28.7	15.4	1712	6.79	133	1.2	1.9	154	714.8	80.5	<0.5	116	0.02	0.130
3200959	Drill Core	2.96	17.2	33.3	4658.2	8607	11.6	74.2	16.6	284	3.03	89	2.4	6.0	150	51.4	36.5	<0.5	523	0.02	0.160
3200960	Rock	1.05	1.5	52.4	8.5	52	<0.5	3.8	8.5	442	2.95	<5	0.9	2.4	87	<0.5	<0.5	<0.5	102	1.03	0.058
3200961	Drill Core	2.05	4.2	33.1	>40000	91595	94.6	27.8	8.5	1295	4.19	80	1.0	1.6	63	568.6	97.8	<0.5	155	0.02	0.081
3200962	Drill Core	2.25	3.7	64.6	>40000	168613	116.6	25.6	10.3	896	2.74	57	0.8	1.2	58	1035.6	123.4	<0.5	117	0.02	0.069
3200963	Drill Core	5.06	15.1	26.5	397.9	1216	2.7	102.9	9.0	495	3.06	64	1.8	4.4	81	5.0	21.1	<0.5	569	0.02	0.117
3200964	Drill Core	5.00	10.7	20.5	218.8	535	1.8	57.0	4.8	575	2.62	41	1.4	2.3	51	1.7	15.4	<0.5	383	0.02	0.067
3200965	Drill Core	5.21	16.0	32.7	119.0	990	1.8	60.6	4.8	343	2.49	60	1.9	3.6	65	5.1	20.3	<0.5	580	0.10	0.066
3200966	Drill Core	5.59	13.4	32.5	531.6	4936	2.8	58.9	7.4	167	2.58	65	2.3	4.1	87	25.1	22.6	<0.5	573	0.21	0.111
3200967	Drill Core	6.41	15.0	31.8	2405.6	14242	7.7	55.5	18.5	172	3.26	86	2.5	4.9	120	71.8	29.6	<0.5	580	0.24	0.130
3200968	Drill Core	5.60	6.9	91.0	>40000	164611	350.8	26.4	20.7	449	2.94	63	1.6	1.9	55	1063.1	392.8	<0.5	197	0.04	0.066
3200969	Drill Core	5.28	0.9	116.8	>40000	106705	196.5	6.3	6.9	967	2.83	64	1.0	<0.5	89	733.2	213.3	<0.5	19	0.04	0.051
3200970	Drill Core	7.56	<0.5	36.1	>40000	12478	184.4	3.4	2.9	437	1.25	99	<0.5	<0.5	82	92.6	231.0	<0.5	<10	<0.01	0.018
3200971	Drill Core	5.46	2.3	65.4	>40000	80151	111.0	17.7	6.9	1066	2.88	61	0.6	0.5	126	518.6	110.5	<0.5	53	0.03	0.102
3200972	Drill Core	5.52	1.5	52.6	>40000	112107	87.9	13.1	8.2	512	1.67	99	<0.5	<0.5	61	696.2	82.1	<0.5	38	0.02	0.025
3200973	Drill Core	6.83	0.9	19.0	>40000	49543	98.4	6.1	4.8	304	0.89	14	<0.5	<0.5	43	308.9	83.2	<0.5	14	<0.01	0.014
3200974	Drill Core	6.36	<0.5	12.1	>40000	22951	77.0	1.8	3.6	117	0.37	13	<0.5	<0.5	67	137.6	77.1	<0.5	<10	<0.01	<0.001
3200975	Drill Core	6.39	2.4	18.3	>40000	25184	39.7	17.1	8.1	707	2.07	36	0.6	0.6	95	152.6	62.7	<0.5	58	0.02	0.036
3200976	Drill Core	5.27	4.0	31.3	>40000	69153	36.4	29.1	15.1	1574	4.27	68	1.1	1.1	174	378.1	54.6	<0.5	121	0.05	0.165
3200977	Drill Core	5.18	5.9	94.8	>40000	100583	75.8	34.2	21.6	2127	5.93	120	1.5	1.5	207	486.5	109.5	<0.5	149	0.07	0.178
3200978	Drill Core	4.69	9.7	208.4	33679.0	88680	55.6	40.6	36.6	448	3.59	201	2.4	2.3	59	396.7	121.9	<0.5	261	0.17	0.051
3200979	Drill Core	7.44	2.2	539.9	>40000	58100	188.8	26.4	24.2	3816	17.49	507	0.5	<0.5	89	326.5	407.7	<0.5	114	1.01	0.014
3200980	Rock Pulp	0.06	6.3	1299.7	>40000	164930	194.1	20.1	102.7	3465	11.62	232	0.9	2.3	25	553.5	112.0	<0.5	<10	4.16	0.028
3200981	Drill Core	2.87	2.6	477.7	>40000	31613	75.5	43.4	33.7	8153	29.83	155	0.8	<0.5	195	155.7	97.6	<0.5	120	1.32	0.016
3200982	Drill Core	2.81	1.8	574.0	>40000	32490	68.3	40.8	37.5	8202	29.81	157	0.7	<0.5	223	160.0	89.8	<0.5	114	1.50	0.012
3200983	Drill Core	3.33	23.4	135.7	4432.6	1351	8.3	93.5	34.4	174	2.77	186	4.6	4.2	32	6.6	36.1	<0.5	95	0.27	0.125



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Page:

2 of 3

Part:

2 of 3

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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
3200954	Drill Core	17.6	24.8	0.02	>5000	0.003	3.36	<0.01	0.14	<0.5	1.27	3.6	0.7	0.50	8	5	69.93	8.21	3.18	0.28	0.15
3200955	Drill Core	17.4	25.9	0.02	>5000	0.003	3.04	<0.01	0.12	<0.5	0.31	4.0	0.5	0.68	7	3	70.61	7.51	4.40	0.26	0.15
3200956	Drill Core	16.6	38.7	0.02	>5000	0.011	2.94	<0.01	0.09	<0.5	1.24	4.4	0.7	0.54	9	4	64.71	7.18	6.77	0.18	0.10
3200957	Drill Core	2.9	19.9	0.01	137	0.023	0.38	<0.01	<0.01	<0.5	87.13	3.0	0.9	9.30	<5	23	48.14	1.05	9.44	0.08	0.02
3200958	Drill Core	4.8	20.5	<0.01	144	0.032	0.74	<0.01	<0.01	<0.5	76.82	4.9	1.7	9.52	<5	14	51.48	1.86	9.72	0.05	<0.01
3200959	Drill Core	21.0	92.4	<0.01	2093	0.141	4.22	0.02	0.13	<0.5	6.21	2.7	2.1	1.11	15	5	59.86	9.50	4.51	0.04	<0.01
3200960	Rock	7.1	6.1	0.86	219	0.179	1.91	0.27	0.34	<0.5	<0.05	3.3	<0.5	<0.05	5	<2	60.75	16.54	6.37	6.26	2.83
3200961	Drill Core	4.0	21.3	<0.01	196	0.041	0.69	<0.01	<0.01	<0.5	65.78	3.3	0.7	6.98	<5	20	52.12	2.33	5.85	0.05	0.02
3200962	Drill Core	3.0	19.9	<0.01	122	0.034	0.46	<0.01	<0.01	<0.5	135.81	1.6	0.5	10.11	7	18	50.52	1.62	3.97	0.04	0.01
3200963	Drill Core	15.5	96.0	<0.01	1470	0.151	2.07	<0.01	0.05	0.5	1.16	3.1	0.7	1.41	8	3	69.04	8.29	4.53	0.06	0.02
3200964	Drill Core	9.1	61.9	<0.01	3275	0.104	1.32	<0.01	0.04	<0.5	0.64	1.7	<0.5	0.91	5	2	75.62	5.50	4.08	0.05	0.02
3200965	Drill Core	12.6	93.3	<0.01	>5000	0.156	2.90	0.02	0.12	0.6	1.12	4.7	0.9	0.58	10	4	73.75	6.93	3.71	0.16	<0.01
3200966	Drill Core	15.2	95.2	<0.01	3789	0.156	3.30	0.02	0.13	0.5	3.59	4.0	2.1	0.80	11	3	72.47	7.39	3.84	0.31	0.01
3200967	Drill Core	19.1	102.5	<0.01	2051	0.163	3.93	0.02	0.15	0.6	9.32	4.3	2.9	1.55	16	4	66.22	7.92	4.81	0.36	<0.01
3200968	Drill Core	6.5	41.0	<0.01	134	0.062	0.96	<0.01	<0.01	<0.5	134.99	2.7	2.3	12.75	9	13	40.16	2.14	4.23	0.07	<0.01
3200969	Drill Core	0.7	4.4	<0.01	169	0.005	0.11	<0.01	<0.01	<0.5	200.04	<0.5	0.7	8.10	6	<2	8.98	0.30	4.16	0.08	<0.01
3200970	Drill Core	<0.5	1.3	<0.01	280	0.002	0.03	<0.01	<0.01	<0.5	26.73	<0.5	0.9	5.16	<5	<2	3.44	0.11	1.80	0.03	0.01
3200971	Drill Core	2.4	11.8	<0.01	336	0.018	0.33	<0.01	<0.01	<0.5	136.13	1.2	0.8	6.01	<5	<2	13.23	0.71	4.14	0.07	<0.01
3200972	Drill Core	1.3	8.2	<0.01	196	0.012	0.20	<0.01	<0.01	<0.5	151.88	1.3	0.7	7.23	<5	<2	13.23	0.48	2.44	0.04	<0.01
3200973	Drill Core	0.6	3.0	<0.01	342	0.004	0.10	<0.01	<0.01	<0.5	70.17	<0.5	1.0	4.62	<5	<2	14.00	0.26	1.32	0.02	<0.01
3200974	Drill Core	<0.5	1.4	<0.01	436	0.002	0.06	<0.01	<0.01	<0.5	32.37	<0.5	1.6	3.52	<5	<2	10.54	0.15	0.56	<0.01	0.01
3200975	Drill Core	2.7	13.2	<0.01	438	0.020	0.33	<0.01	<0.01	<0.5	44.68	0.8	8.0	3.70	<5	<2	18.90	0.68	2.85	0.03	<0.01
3200976	Drill Core	4.9	27.7	<0.01	266	0.040	0.63	<0.01	<0.01	<0.5	120.16	1.0	3.1	4.80	<5	<2	19.95	1.35	6.20	0.08	0.01
3200977	Drill Core	5.5	32.2	<0.01	217	0.049	0.66	<0.01	<0.01	<0.5	185.63	1.0	3.7	7.05	<5	2	32.47	1.37	7.94	0.11	0.01
3200978	Drill Core	8.9	59.8	0.02	206	0.085	1.32	<0.01	0.01	<0.5	121.08	3.2	1.5	6.75	11	4	62.87	2.42	5.21	0.25	0.03
3200979	Drill Core	1.2	14.4	0.80	67	0.017	0.88	<0.01	<0.01	<0.5	55.93	2.9	1.7	22.30	7	<2	22.06	1.67	25.30	1.43	1.34
3200980	Rock Pulp	7.2	12.5	2.00	205	0.006	0.46	<0.01	0.17	<0.5	3.32	0.9	65.3	18.40	<5	<2	14.34	2.51	17.54	6.09	3.59
3200981	Drill Core	1.0	9.9	1.52	196	0.002	0.68	<0.01	0.06	<0.5	12.19	3.3	0.6	16.98	<5	3	11.27	1.99	43.78	1.83	2.57
3200982	Drill Core	1.1	8.8	1.57	100	0.002	0.63	<0.01	0.07	<0.5	12.46	3.8	0.9	16.85	<5	<2	9.47	2.07	44.23	2.11	2.66
3200983	Drill Core	16.0	17.3	0.04	3931	0.004	2.43	<0.01	0.15	<0.5	0.55	3.5	0.8	1.16	<5	8	69.40	8.36	4.37	0.42	0.21



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**Page:** 2 of 3

**Part:** 3 of 3

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Method	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC008	TC008	LF726
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	Pb
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	0.1
3200954	Drill Core	0.61	0.04	0.39	0.22	0.01	8.69	<0.01	0.09	0.18	5.29	98.34	0.13	2.53	2.35	1.52	0.98	0.12	2.10	0.76
3200955	Drill Core	0.56	0.10	0.37	0.20	0.01	7.67	<0.01	0.02	0.03	5.56	98.34	0.11	2.45	2.32	1.78	0.54	0.49	2.09	0.69
3200956	Drill Core	0.33	0.27	0.37	0.24	<0.01	9.31	<0.01	0.04	0.20	7.77	98.65	0.13	2.66	2.73	1.74	0.43	1.78	1.76	2.92
3200957	Drill Core	<0.01	0.50	0.06	0.12	<0.01	5.37	<0.01	5.64	12.35	10.14	97.05	0.02	1.57	10.80	0.71	0.03	3.03	3.05	23.26
3200958	Drill Core	<0.01	0.23	0.10	0.34	<0.01	6.26	<0.01	2.31	11.84	10.10	98.17	0.02	1.29	11.15	0.65	0.07	2.10	3.92	21.71
3200959	Drill Core	0.17	0.06	0.38	0.39	0.02	12.23	<0.01	0.44	0.83	7.12	97.21	0.11	2.07	4.19	1.32	0.68	0.25	2.85	4.03
3200960	Rock	1.49	0.15	0.52	0.14	<0.01	0.06	<0.01	<0.01	0.01	0.84	99.26	0.03	0.04	<0.02	<0.02	<0.02	<0.08	<0.05	0.23
3200961	Drill Core	<0.01	0.17	0.07	0.21	<0.01	8.59	<0.01	5.63	9.14	8.56	96.42	0.03	0.93	8.97	0.54	0.03	1.32	1.97	21.00
3200962	Drill Core	<0.01	0.13	0.05	0.16	<0.01	5.31	<0.01	6.13	16.65	8.92	98.73	0.02	0.69	11.69	0.43	0.02	0.87	2.46	27.69
3200963	Drill Core	0.05	0.08	0.36	0.36	0.01	6.27	<0.01	0.03	0.13	8.55	98.53	0.12	2.24	3.01	1.61	0.48	0.57	1.95	3.17
3200964	Drill Core	0.03	0.10	0.24	0.25	<0.01	5.34	<0.01	0.02	0.06	6.07	98.02	0.08	1.78	2.17	1.23	0.35	0.72	1.30	2.61
3200965	Drill Core	0.13	0.07	0.34	0.21	0.01	6.88	<0.01	0.01	0.10	4.42	97.57	0.12	2.00	2.06	1.53	0.37	0.36	1.84	0.68
3200966	Drill Core	0.17	0.04	0.31	0.30	0.01	8.30	<0.01	0.05	0.48	4.55	99.34	0.12	1.99	2.74	1.52	0.43	0.16	2.34	1.18
3200967	Drill Core	0.19	0.05	0.32	0.32	<0.01	9.51	<0.01	0.24	1.37	5.01	97.82	0.11	2.28	4.11	1.51	0.74	0.12	3.36	2.25
3200968	Drill Core	0.02	0.08	0.12	0.17	<0.01	2.75	<0.01	18.38	16.55	7.40	97.93	0.03	1.04	13.17	0.87	0.05	0.45	8.45	14.17
3200969	Drill Core	<0.01	0.15	<0.01	0.13	<0.01	28.96	<0.01	15.63	10.58	6.04	82.26	<0.01	0.66	15.28	0.20	<0.02	1.67	1.96	39.96
3200970	Drill Core	<0.01	0.08	<0.01	0.04	<0.01	33.13	<0.01	>25	1.20	1.76	79.30	<0.01	0.27	13.01	0.10	<0.02	0.60	0.71	36.90
3200971	Drill Core	<0.01	0.16	0.01	0.24	<0.01	30.16	<0.01	12.39	8.07	6.66	82.36	<0.01	0.64	13.64	0.16	<0.02	1.70	1.52	36.36
3200972	Drill Core	<0.01	0.09	0.01	0.07	<0.01	32.21	<0.01	8.05	11.64	5.53	81.07	<0.01	0.27	15.39	0.09	<0.02	0.63	2.82	37.71
3200973	Drill Core	<0.01	0.06	<0.01	0.04	<0.01	33.40	<0.01	14.56	5.00	3.63	78.53	<0.01	0.22	12.97	0.08	<0.02	0.47	1.58	34.17
3200974	Drill Core	<0.01	0.04	<0.01	<0.01	<0.01	38.39	<0.01	16.64	2.25	1.12	75.99	<0.01	0.13	13.10	0.07	<0.02	0.20	1.65	34.35
3200975	Drill Core	<0.01	0.11	0.02	0.09	<0.01	31.92	<0.01	13.28	2.50	4.10	79.84	<0.01	0.42	11.32	0.13	<0.02	1.04	1.04	30.84
3200976	Drill Core	<0.01	0.22	0.07	0.43	<0.01	29.59	<0.01	6.32	7.02	7.57	84.49	0.02	1.02	13.89	0.34	<0.02	2.43	2.93	32.88
3200977	Drill Core	<0.01	0.27	0.10	0.39	<0.01	17.10	<0.01	7.52	9.84	9.27	91.45	0.03	1.08	10.96	0.22	<0.02	3.10	1.42	28.61
3200978	Drill Core	<0.01	0.08	0.22	0.11	0.01	5.56	0.01	3.23	9.16	6.33	98.67	0.05	0.78	8.79	0.60	0.05	0.47	3.69	15.29
3200979	Drill Core	<0.01	0.49	0.01	0.04	<0.01	4.93	0.04	13.64	5.92	16.94	96.93	0.02	2.26	24.72	1.23	<0.02	3.71	18.46	18.77
3200980	Rock Pulp	0.92	0.49	0.07	0.08	<0.01	0.13	0.12	12.75	17.42	12.97	94.40	<0.01	3.06	19.05	0.77	0.04	8.24	10.94	24.34
3200981	Drill Core	0.23	1.02	0.03	0.04	<0.01	1.46	0.04	6.39	3.21	24.21	99.56	0.04	5.30	17.59	1.28	<0.02	14.66	12.15	16.33
3200982	Drill Core	0.26	1.03	0.01	0.03	<0.01	1.33	0.05	6.05	3.33	25.00	99.12	0.04	5.53	17.63	1.20	<0.02	15.83	11.88	17.25
3200983	Drill Core	1.10	0.04	0.45	0.30	<0.01	5.98	<0.01	0.43	0.14	6.33	98.33	0.14	3.46	2.46	2.17	1.16	0.44	2.23	0.70



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**Project:** MacMillan Pass  
**Report Date:** August 28, 2019

**Page:** 3 of 3

**Part:** 1 of 3

# CERTIFICATE OF ANALYSIS

WHI19000293.1

	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
3200984	Drill Core	6.10	17.6	84.6	1892.6	57	4.7	85.1	27.1	454	3.24	202	3.6	3.9	22	<0.5	23.0	<0.5	90	0.24	0.096
3200985	Drill Core	5.38	11.6	82.6	1362.0	256	3.6	73.1	22.0	979	4.32	126	2.4	4.6	21	1.1	15.6	<0.5	63	0.23	0.088
3200986	Drill Core	6.13	3.4	114.1	771.3	1209	2.0	42.8	13.6	1420	4.72	63	1.3	5.4	16	5.9	6.0	<0.5	33	0.14	0.052
3200987	Drill Core	6.59	4.4	114.0	537.8	28	1.4	56.6	17.2	953	3.66	92	1.4	5.0	19	<0.5	6.4	<0.5	35	0.14	0.064
3200988	Drill Core	7.37	4.2	130.0	740.7	55	2.2	61.8	15.3	1145	4.48	112	1.6	5.8	19	<0.5	7.1	<0.5	36	0.15	0.058



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**Report Date:** August 28, 2019

**Page:** 3 of 3

**Part:** 2 of 3

# CERTIFICATE OF ANALYSIS

WHI19000293.1

	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
3200984	Drill Core	14.4	17.3	0.10	3492	0.004	1.95	<0.01	0.15	<0.5	0.74	3.8	0.5	1.08	<5	7	72.42	7.03	5.01	0.36	0.27
3200985	Drill Core	17.8	10.4	0.23	2737	0.004	1.89	<0.01	0.16	<0.5	0.20	3.8	<0.5	1.06	<5	5	68.43	8.65	6.80	0.34	0.55
3200986	Drill Core	22.0	8.2	0.34	>5000	0.003	0.99	<0.01	0.17	<0.5	0.60	3.0	<0.5	0.88	<5	<2	71.41	8.25	7.50	0.22	0.72
3200987	Drill Core	24.3	7.6	0.23	2607	0.004	0.46	<0.01	0.18	<0.5	0.06	2.4	<0.5	1.11	<5	3	73.05	9.00	5.84	0.21	0.65
3200988	Drill Core	22.5	7.4	0.29	2596	0.003	0.38	<0.01	0.21	<0.5	<0.05	2.2	<0.5	1.23	<5	3	73.03	8.28	7.10	0.23	0.73



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**Report Date:** August 28, 2019

**Page:** 3 of 3

**Part:** 3 of 3

# CERTIFICATE OF ANALYSIS

WHI19000293.1

	Method																					
	Analyte	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC008	TC008	LF726
		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	Pb	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
		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	0.1
3200984	Drill Core	0.99	0.09	0.34	0.24	0.02	4.73	<0.01	0.18	<0.01	6.09	98.34	0.12	3.31	2.20	2.12	0.94	0.90	1.98	0.66		
3200985	Drill Core	1.44	0.15	0.45	0.21	0.01	4.69	<0.01	0.14	0.03	6.56	99.05	0.10	2.69	2.00	1.28	0.87	2.01	1.62	1.14		
3200986	Drill Core	1.73	0.21	0.48	0.13	0.01	2.60	<0.01	0.08	0.12	5.66	99.52	0.06	1.88	1.21	0.72	0.33	3.04	0.77	1.31		
3200987	Drill Core	2.19	0.15	0.50	0.15	0.01	1.41	<0.01	0.05	<0.01	5.18	98.61	0.07	1.77	1.10	0.81	0.44	1.90	0.84	0.79		
3200988	Drill Core	2.16	0.17	0.47	0.13	<0.01	1.16	<0.01	0.08	<0.01	5.62	99.35	0.06	1.95	1.26	0.96	0.32	2.43	0.87	1.17		



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**Project:**

MacMillan Pass

**Report Date:**

August 28, 2019

**Page:**

1 of 3

**Part:**

1 of 3

## QUALITY CONTROL REPORT

WHI19000293.1

	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
3200967	Drill Core	6.41	15.0	31.8	2405.6	14242	7.7	55.5	18.5	172	3.26	86	2.5	4.9	120	71.8	29.6	<0.5	580	0.24	0.130
Pulp Duplicates																					
3200955	Drill Core	6.06	18.9	42.5	218.8	220	2.4	70.3	5.4	634	2.89	67	2.1	4.1	41	0.9	21.5	<0.5	130	0.17	0.089
REP 3200955	QC																				
3200963	Drill Core	5.06	15.1	26.5	397.9	1216	2.7	102.9	9.0	495	3.06	64	1.8	4.4	81	5.0	21.1	<0.5	569	0.02	0.117
REP 3200963	QC																				
3200965	Drill Core	5.21	16.0	32.7	119.0	990	1.8	60.6	4.8	343	2.49	60	1.9	3.6	65	5.1	20.3	<0.5	580	0.10	0.066
REP 3200965	QC		16.7	29.4	119.6	983	1.8	61.3	4.7	340	2.49	60	1.9	3.5	58	5.4	19.4	<0.5	572	0.10	0.064
3200966	Drill Core	5.59	13.4	32.5	531.6	4936	2.8	58.9	7.4	167	2.58	65	2.3	4.1	87	25.1	22.6	<0.5	573	0.21	0.111
REP 3200966	QC		12.9	33.7	520.5	4880	2.7	57.3	7.4	172	2.55	62	2.4	4.0	89	24.1	22.8	<0.5	565	0.20	0.110
3200970	Drill Core	7.56	<0.5	36.1	>40000	12478	184.4	3.4	2.9	437	1.25	99	<0.5	<0.5	82	92.6	231.0	<0.5	<10	<0.01	0.018
REP 3200970	QC																				
3200976	Drill Core	5.27	4.0	31.3	>40000	69153	36.4	29.1	15.1	1574	4.27	68	1.1	1.1	174	378.1	54.6	<0.5	121	0.05	0.165
REP 3200976	QC																				
3200981	Drill Core	2.87	2.6	477.7	>40000	31613	75.5	43.4	33.7	8153	29.83	155	0.8	<0.5	195	155.7	97.6	<0.5	120	1.32	0.016
REP 3200981	QC																				
3200986	Drill Core	6.13	3.4	114.1	771.3	1209	2.0	42.8	13.6	1420	4.72	63	1.3	5.4	16	5.9	6.0	<0.5	33	0.14	0.052
REP 3200986	QC																				
Core Reject Duplicates																					
3200977	Drill Core	5.18	5.9	94.8	>40000	100583	75.8	34.2	21.6	2127	5.93	120	1.5	1.5	207	486.5	109.5	<0.5	149	0.07	0.178
DUP 3200977	QC		5.3	81.9	>40000	95732	73.3	30.0	18.9	1941	5.56	110	1.5	1.4	191	426.6	99.9	<0.5	148	0.07	0.156
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD CPB-2	Standard																				
STD CZN-4	Standard																				
STD GBM309-15	Standard																				





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**Project:**

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**Report Date:**

August 28, 2019

**Page:**

1 of 3

**Part:**

2 of 3

## QUALITY CONTROL REPORT

WHI19000293.1

	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
3200967	Drill Core	19.1	102.5	<0.01	2051	0.163	3.93	0.02	0.15	0.6	9.32	4.3	2.9	1.55	16	4	66.22	7.92	4.81	0.36	<0.01
Pulp Duplicates																					
3200955	Drill Core	17.4	25.9	0.02	>5000	0.003	3.04	<0.01	0.12	<0.5	0.31	4.0	0.5	0.68	7	3	70.61	7.51	4.40	0.26	0.15
REP 3200955	QC																70.77	7.50	4.37	0.27	0.14
3200963	Drill Core	15.5	96.0	<0.01	1470	0.151	2.07	<0.01	0.05	0.5	1.16	3.1	0.7	1.41	8	3	69.04	8.29	4.53	0.06	0.02
REP 3200963	QC																				
3200965	Drill Core	12.6	93.3	<0.01	>5000	0.156	2.90	0.02	0.12	0.6	1.12	4.7	0.9	0.58	10	4	73.75	6.93	3.71	0.16	<0.01
REP 3200965	QC	11.8	93.0	<0.01	>5000	0.153	2.88	0.02	0.12	<0.5	1.11	3.8	0.9	0.48	10	4					
3200966	Drill Core	15.2	95.2	<0.01	3789	0.156	3.30	0.02	0.13	0.5	3.59	4.0	2.1	0.80	11	3	72.47	7.39	3.84	0.31	0.01
REP 3200966	QC	14.8	96.1	<0.01	4093	0.153	3.26	0.02	0.13	0.5	3.65	4.5	2.2	0.79	12	3					
3200970	Drill Core	<0.5	1.3	<0.01	280	0.002	0.03	<0.01	<0.01	<0.5	26.73	<0.5	0.9	5.16	<5	<2	3.44	0.11	1.80	0.03	0.01
REP 3200970	QC																				
3200976	Drill Core	4.9	27.7	<0.01	266	0.040	0.63	<0.01	<0.01	<0.5	120.16	1.0	3.1	4.80	<5	<2	19.95	1.35	6.20	0.08	0.01
REP 3200976	QC																				
3200981	Drill Core	1.0	9.9	1.52	196	0.002	0.68	<0.01	0.06	<0.5	12.19	3.3	0.6	16.98	<5	3	11.27	1.99	43.78	1.83	2.57
REP 3200981	QC																11.25	1.98	43.92	1.83	2.58
3200986	Drill Core	22.0	8.2	0.34	>5000	0.003	0.99	<0.01	0.17	<0.5	0.60	3.0	<0.5	0.88	<5	<2	71.41	8.25	7.50	0.22	0.72
REP 3200986	QC																71.49	8.20	7.57	0.22	0.74
Core Reject Duplicates																					
3200977	Drill Core	5.5	32.2	<0.01	217	0.049	0.66	<0.01	<0.01	<0.5	185.63	1.0	3.7	7.05	<5	2	32.47	1.37	7.94	0.11	0.01
DUP 3200977	QC	4.9	29.5	<0.01	206	0.046	0.62	<0.01	<0.01	<0.5	167.07	1.2	3.5	6.67	<5	<2	33.50	1.42	8.05	0.12	0.01
Reference Materials																					
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD COO1	Standard																				
STD CPB-2	Standard																				
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Page: 1 of 3

Part: 3 of 3

# QUALITY CONTROL REPORT

WHI19000293.1

	Method Analyte Unit MDL	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC008	TC008	LF726								
		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	Pb								
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%								
		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	0.1							
3200967	Drill Core	0.19	0.05	0.32	0.32	<0.01	9.51	<0.01	0.24	1.37	5.01	97.82	0.11	2.28	4.11	1.51	0.74	0.12	3.36	2.25									
Pulp Duplicates																													
3200955	Drill Core	0.56	0.10	0.37	0.20	0.01	7.67	<0.01	0.02	0.03	5.56	98.34	0.11	2.45	2.32	1.78	0.54	0.49	2.09	0.69									
REP 3200955	QC	0.56	0.10	0.38	0.21	<0.01	7.72	<0.01	0.02	0.02	5.56	98.51	0.12																
3200963	Drill Core	0.05	0.08	0.36	0.36	0.01	6.27	<0.01	0.03	0.13	8.55	98.53	0.12	2.24	3.01	1.61	0.48	0.57	1.95	3.17									
REP 3200963	QC													2.24	3.04														
3200965	Drill Core	0.13	0.07	0.34	0.21	0.01	6.88	<0.01	0.01	0.10	4.42	97.57	0.12	2.00	2.06	1.53	0.37	0.36	1.84	0.68									
REP 3200965	QC																												
3200966	Drill Core	0.17	0.04	0.31	0.30	0.01	8.30	<0.01	0.05	0.48	4.55	99.34	0.12	1.99	2.74	1.52	0.43	0.16	2.34	1.18									
REP 3200966	QC																												
3200970	Drill Core	<0.01	0.08	<0.01	0.04	<0.01	33.13	<0.01	>25	1.20	1.76	79.30	<0.01	0.27	13.01	0.10	<0.02	0.60	0.71	36.90	30.7								
REP 3200970	QC																					30.7							
3200976	Drill Core	<0.01	0.22	0.07	0.43	<0.01	29.59	<0.01	6.32	7.02	7.57	84.49	0.02	1.02	13.89	0.34	<0.02	2.43	2.93	32.88									
REP 3200976	QC																	<0.02						33.18					
3200981	Drill Core	0.23	1.02	0.03	0.04	<0.01	1.46	0.04	6.39	3.21	24.21	99.56	0.04	5.30	17.59	1.28	<0.02	14.66	12.15	16.33									
REP 3200981	QC	0.22	1.03	0.01	0.04	<0.01	1.48	0.04	6.51	3.22	24.21	99.83	0.04																
3200986	Drill Core	1.73	0.21	0.48	0.13	0.01	2.60	<0.01	0.08	0.12	5.66	99.52	0.06	1.88	1.21	0.72	0.33	3.04	0.77	1.31									
REP 3200986	QC	1.74	0.20	0.49	0.13	0.02	2.61	<0.01	0.08	0.13	5.66	99.64	0.06															2.98	
Core Reject Duplicates																													
3200977	Drill Core	<0.01	0.27	0.10	0.39	<0.01	17.10	<0.01	7.52	9.84	9.27	91.45	0.03	1.08	10.96	0.22	<0.02	3.10	1.42	28.61									
DUP 3200977	QC	<0.01	0.28	0.10	0.40	<0.01	17.02	<0.01	7.67	9.70	9.34	92.59	0.03	1.13	11.43	0.29	<0.02	3.06	2.24	27.57									
Reference Materials																													
STD COO1	Standard																		2.43										
STD COO1	Standard																		2.38										
STD COO1	Standard																		2.27										
STD COO1	Standard																		2.36										
STD CPB-2	Standard																					63.6							
STD CZN-4	Standard																					0.2							
STD GBM309-15	Standard															0.22	28.26												



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**Project:**

MacMillan Pass

**Report Date:**

August 28, 2019

**Page:**

2 of 3

**Part:**

1 of 3

## QUALITY CONTROL REPORT

WHI19000293.1

		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	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 GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard	8.2	307.7	17582.9	28480	57.1	37.2	29.2	3992	8.95	918	9.6	11.5	27	64.0	38.3	5.3	46	1.85	0.101	
STD OREAS133B(D)	Standard																				
STD OREAS133B(D)	Standard																				
STD OREAS605	Standard	5.4	49222.3	898.5	2155	>1000	1612.9	100.6	85	3.64	1699	1.0	3.1	50	12.5	288.1	19.8	11	0.18	0.010	
STD OREAS605	Standard	4.4	48127.9	878.2	2122	>1000	1591.0	88.0	91	3.64	1656	0.9	2.9	50	13.3	290.1	18.1	<10	0.17	0.011	
STD OREAS605	Standard	4.5	46986.9	790.5	2041	936.7	1501.2	97.8	91	3.56	1693	0.9	2.7	51	14.0	304.4	19.1	<10	0.18	0.010	
STD OREAS72B	Standard																				
STD OREAS72B	Standard																				
STD OREAS927-AR	Standard	1.1	10870.4	228.0	715	3.9	29.4	30.1	1114	8.23	16	1.9	13.3	13	0.9	1.4	70.5	33	0.31	0.054	
STD OREAS927-AR	Standard	1.0	10417.5	212.9	707	4.7	27.2	29.4	1107	7.98	14	1.7	13.0	13	1.1	1.3	61.4	34	0.29	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 RTS-3A Expected																					
STD GBM309-15 Expected																					
STD GS311-1 Expected																					
STD GS910-4 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	0.086	



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**Project:**

MacMillan Pass

**Report Date:**

August 28, 2019

**Page:**

2 of 3

**Part:**

2 of 3

## QUALITY CONTROL REPORT

WHI19000293.1

		AQ270 La ppm 0.5	AQ270 Cr ppm 0.5	AQ270 Mg % 0.01	AQ270 Ba ppm 5	AQ270 Ti % 0.001	AQ270 Al % 0.01	AQ270 Na % 0.01	AQ270 K % 0.01	AQ270 W ppm 0.5	AQ270 Hg ppm 0.05	AQ270 Sc ppm 0.5	AQ270 Ti ppm 0.5	AQ270 S % 0.05	AQ270 Ga ppm 5	AQ270 Se ppm 2	LF725 SiO2 % 0.01	LF725 Al2O3 % 0.01	LF725 Fe2O3 % 0.01	LF725 CaO % 0.01	LF725 MgO % 0.01
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GGC-10	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS135	Standard	38.2	22.2	0.85	401	0.026	1.11	0.02	0.50	3.2	1.20	3.6	6.4	7.13	<5	3					
STD OREAS133B(D)	Standard																34.51	7.14	11.54	5.27	3.81
STD OREAS133B(D)	Standard																34.57	7.21	11.59	5.28	3.85
STD OREAS605	Standard	7.4	34.1	0.03	188	0.011	0.76	0.03	0.14	7.1	1.91	1.0	17.0	7.72	7	75					
STD OREAS605	Standard	7.5	26.8	0.03	199	0.010	0.77	0.03	0.15	6.6	1.57	1.2	15.4	7.45	7	78					
STD OREAS605	Standard	7.3	32.5	0.03	145	0.009	0.73	0.03	0.14	7.0	1.61	1.0	15.2	7.74	6	79					
STD OREAS72B	Standard																51.17	8.88	9.95	3.97	16.07
STD OREAS72B	Standard																51.21	8.91	10.06	3.99	16.06
STD OREAS927-AR	Standard	28.5	39.6	1.93	55	0.098	3.30	<0.01	0.27	5.2	0.15	4.2	<0.5	1.73	10	15					
STD OREAS927-AR	Standard	25.6	38.8	1.93	42	0.080	3.28	0.01	0.27	5.3	0.12	5.0	<0.5	1.76	8	15					
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD RTS-3A	Standard																				
STD SY-4(D)	Standard																49.92	20.75	6.18	8.01	0.53
STD SY-4(D)	Standard																49.87	20.76	6.19	8.01	0.53
STD RTS-3A Expected																					
STD GBM309-15 Expected																					
STD GS311-1 Expected																					
STD GS910-4 Expected																					
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						



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**Project:**

MacMillan Pass

**Report Date:**

August 28, 2019

**Page:**

2 of 3

**Part:**

3 of 3

## QUALITY CONTROL REPORT

WHI19000293.1

		LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	LF725	TC000	TC000	TC005	TC005	TC006	TC008	TC008	LF726		
		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	Pb	
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%		
		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	0.1	
STD GGC-10	Standard																4.57					
STD GGC-10	Standard																4.49					
STD GGC-10	Standard																4.80					
STD GGC-10	Standard																4.90					
STD GS311-1	Standard													1.04	2.40							
STD GS311-1	Standard													1.01	2.33							
STD GS910-4	Standard													2.79	8.64							
STD GS910-4	Standard													2.74	8.60							
STD OREAS135	Standard																					
STD OREAS133B(D)	Standard	3.44	0.16	0.20	0.13	<0.01	0.06	0.06	5.06	11.37	13.03	99.11	0.02									
STD OREAS133B(D)	Standard	3.46	0.17	0.22	0.12	<0.01	0.07	0.06	5.08	11.37	13.03	99.46	0.01									
STD OREAS605	Standard																					
STD OREAS605	Standard																					
STD OREAS605	Standard																					
STD OREAS72B	Standard	1.33	0.16	0.35	0.05	0.15	0.03	0.02	<0.01	<0.01	5.12	98.59	0.01									
STD OREAS72B	Standard	1.32	0.16	0.34	0.05	0.15	0.03	0.02	<0.01	0.01	5.12	98.74	0.01									
STD OREAS927-AR	Standard																					
STD OREAS927-AR	Standard																					
STD RTS-3A	Standard																			3.28		
STD RTS-3A	Standard																			3.44		
STD RTS-3A	Standard																			3.41		
STD RTS-3A	Standard																			3.34		
STD SY-4(D)	Standard	1.66	0.11	0.28	0.14	<0.01	0.03	<0.01	<0.01	0.01	4.56	99.35	<0.01									
STD SY-4(D)	Standard	1.66	0.11	0.29	0.14	<0.01	0.04	<0.01	0.02	<0.01	4.56	99.34	<0.01									
STD RTS-3A Expected																				3.3		
STD GBM309-15 Expected														0.22	28.84							
STD GS311-1 Expected														1.02	2.35							
STD GS910-4 Expected														2.65	8.27							
STD OREAS135 Expected																						



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**Project:**

MacMillan Pass

**Report Date:**

August 28, 2019

**Page:**

3 of 3

**Part:**

1 of 3

## QUALITY CONTROL REPORT

WHI19000293.1

		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 GGC-10 Expected																				
STD SY-4(D) Expected																				
STD OREAS72B Expected																				
STD OREAS133B(D) 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
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
STD CZN-4 Expected																				
STD CPB-2 Expected																				
STD COO1 Expected																				
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																			
BLK	Blank																			
SI BLK	Blank																			
SI BLK	Blank																			
BLK	Blank		<0.5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank																			
SI BLK	Blank																			
BLK	Blank																			
Prep Wash																				
ROCK-WHI	Prep Blank		0.9	2.2	4.3	35	<0.5	0.5	3.3	515	1.80	<5	0.5	2.2	20	<0.5	<0.5	<0.5	23	0.65
ROCK-WHI	Prep Blank		1.0	2.0	3.1	32	<0.5	0.9	3.2	500	1.92	<5	<0.5	2.2	23	<0.5	<0.5	<0.5	23	0.63



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**Project:**

MacMillan Pass

**Report Date:**

August 28, 2019

**Page:**

3 of 3

**Part:**

2 of 3

## QUALITY CONTROL REPORT

WHI19000293.1

		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 GGC-10 Expected																					
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
STD OREAS133B(D) 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 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 CPB-2 Expected																					
STD COO1 Expected																					
BLK	Blank																				
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																				
BLK	Blank																				
SI BLK	Blank																				
SI 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																				
SI BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	7.0	2.5	0.42	67	0.098	0.79	0.07	0.09	<0.5	<0.05	2.9	<0.5	<0.05	<5	<2	70.44	13.78	3.10	2.33	0.86
ROCK-WHI	Prep Blank	6.6	2.8	0.46	63	0.100	0.83	0.08	0.10	<0.5	<0.05	3.0	<0.5	<0.05	<5	<2	70.45	13.74	3.24	2.23	0.87



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**Report Date:**

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**Page:**

3 of 3

**Part:**

3 of 3

## QUALITY CONTROL REPORT

WHI19000293.1

		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 %	LF726 Pb %
		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	0.1
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 OREAS605 Expected																					
STD OREAS927-AR Expected																					
STD CZN-4 Expected																					0.1861
STD CPB-2 Expected																					63.52
STD COO1 Expected																					
BLK																					2.37
BLK																					<0.05
BLK																					<0.05
BLK															<0.02	<0.02					
BLK															<0.02	<0.02					
BLK																					
BLK																					
BLK																					
BLK																					
BLK																					
SI BLK		<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00	98.76	<0.01								
SI BLK		<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	0.00	98.69	<0.01								
BLK																					
BLK																					<0.08
SI BLK																					<0.1
BLK																					<0.08
Prep Wash																					
ROCK-WHI		1.99	0.10	0.35	0.09	<0.01	0.09	<0.01	<0.01	<0.01	0.76	98.43	<0.01	0.10	0.02	0.03	<0.02	0.27	<0.05	0.42	
ROCK-WHI		1.95	0.10	0.33	0.10	<0.01	0.07	<0.01	<0.01	<0.01	0.74	98.46	<0.01	0.09	0.02	0.04	<0.02	0.20	<0.05	0.41	