

APPENDIX D.6

QUARRY GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS

TABLE D.6.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2016 QIA AND NWB ANNUAL REPORT FOR OPERATIONS
QUARRY QMR2 GEOCHEMISTRY ANALYTICAL SAMPLING
RESULTS FOR 2016
SUMMARY STATISTICS

	Fizz Rating	NP	MPA	MNP	(NP:MNP)	C (%)	S (%)
		t CaCO ₃ /1000t	t CaCO ₃ /1000t	t CaCO ₃ /1000t			
COUNT	1	1	1	1	1	18	18
MIN	1	15	8.4	7	1.78	0.005	0.005
MAX	1	15	8.4	7	1.78	0.21	0.27
MEAN	1	15	8.4	7	1.78	0.054	0.042

TABLE D.6.1.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2016 QIA AND NWB ANNUAL REPORT FOR OPERATIONS
QUARRY QMR2 GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2016

2016 BLASTED QUARRY ROCK																	
YEAR	Location	Bench	Blast ID	ALS Assay #	Hole ID	Fizz Rating	NP (tCaCO ₃ /1kt)	MPA (tCaCO ₃ /1kt)	NNP (tCaCO ₃ /1kt)	Ratio (NP:MPA)	C (%)	S (%)	y	x	z	DEPTH	CLASS
2016	QMR2	190	QMR2 1190 023	R766645	2303						0.005	0.005	7914256.51	560147.113	188.5	1.5	NAG
2016	QMR2	190	QMR2 1190 023	R766646	2215						0.005	0.06	7914216.72	560153.898	188.5	1.5	NAG
2016	QMR2	190	QMR2 1190 023	R766647	1805						0.005	0.005	7914247.92	560133.449	199.585	9.585	NAG
2016	QMR2	190	QMR2 1190 023	R766648	2610						0.005	0.005	7914249.7	560158.125	188.5	1.5	NAG
2016	QMR2	190	QMR2 1190 024	R766729	1306						0.005	0.005	7914223.99	560144.706	199.094	9.094	NAG
2016	QMR2	190	QMR2 1190 024	R766730	1702						0.005	0.04	7914234.52	560152.797	199.394	9.394	NAG
2016	QMR2	190	QMR2 1190 024	R766731	1705	1	15	8.4	7	1.78	0.01	0.27	7914227.54	560153.76	199.398	9.398	PAG
2016	QMR2	190	QMR2 1190 024	R766732	1709						0.05	0.03	7914216.94	560155.583	199.902	9.902	NAG
2016	QMR2	190	QMR2 1190 024	R766733	1709						0.01	0.02	7914216.94	560155.583	199.902	9.902	NAG
2016	QMR2	190	QMR2 1190 024	R766734	2018						0.005	0.005	7914205.01	560150.77	199.886	9.886	NAG
2016	QMR2	190	QMR2 1190 025	R766967	1915						0.1	0.01	7914143.71	560140.048	201.584	11.584	NAG
2016	QMR2	190	QMR2 1190 025	R766968	2310						0.12	0.01	7914155.17	560151.416	201.822	11.822	NAG
2016	QMR2	190	QMR2 1190 025	R766969	1812						0.12	0.01	7914153.39	560139.577	201.696	11.696	NAG
2016	QMR2	190	QMR2 1190 025	R766970	2217						0.08	0.05	7914138.77	560145.78	201.49	11.49	NAG
2016	QMR2	190	QMR2 1190 025	R766971	2505						0.07	0.12	7914167.87	560158.519	201.035	11.035	NAG
2016	QMR2	190	QMR2 1190 025	R766972	2511						0.21	0.01	7914151.62	560155.366	202.111	12.111	NAG
2016	QMR2	190	QMR2 1190 025	R766973	2108						0.06	0.09	7914160.92	560147.748	201.176	11.176	NAG
2016	QMR2	190	QMR2 1190 025	R766974	1620						0.1	0.01	7914133.3	560131.001	200.347	10.347	NAG

TABLE D.6.2
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2016 QIA AND NWB ANNUAL REPORT FOR OPERATIONS
QUARRY D1Q2 GEOCHEMISTRY ANALYTICAL
SAMPLING RESULTS FOR 2016
SUMMARY STATISTICS

	C (%)	S (%)
COUNT	24	24
MIN	0.01	0.01
MAX	0.65	0.05
MEAN	0.104	0.017

TABLE D.6.2.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2016 QIA AND NWB ANNUAL REPORT FOR OPERATIONS
QUARRY D1Q2 GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2016

2016 BLASTED QUARRY ROCK																
YEAR	Location	Bench	Blast ID	Hole ID	Fizz Rating	NP (tCaCO ₃ /1Kt)	MPA (tCaCO ₃ /1Kt)	NNP (tCaCO ₃ /1Kt)	Ratio (NP:MPA)	C (%)	S (%)	y	x	z	DEPTH	CLASS
2016	D1Q2	280	D1Q2 1280 001	1908						0.01	0.005	7913181.59	563347.245	282.311	2.311	NAG
2016	D1Q2	280	D1Q2 1280 001	2406						0.06	0.02	7913193.15	563340.965	284.627	4.627	NAG
2016	D1Q2	280	D1Q2 1280 001	1803						0.01	0.005	7913179.2	563332.914	283.228	3.228	NAG
2016	D1Q2	280	D1Q2 1280 001	1206						0.005	0.01	7913165.52	563340.803	279.659	-0.341	NAG
2016	D1Q2	280	D1Q2 1280 003	2204						0.05	0.03	7913240.7	563400.228	287.786	7.786	NAG
2016	D1Q2	280	D1Q2 1280 003	1703						0.03	0.02	7913229.14	563398.305	286.264	6.264	NAG
2016	D1Q2	280	D1Q2 1280 003	1706						0.19	0.03	7913229.1	563406.159	286.188	6.188	NAG
2016	D1Q2	280	D1Q2 1280 003	2107						0.04	0.04	7913238.44	563409.074	287.649	7.649	NAG
2016	D1Q2	280	D1Q2 1280 003	1811						0.47	0.02	7913231.42	563418.187	286.474	6.474	NAG
2016	D1Q2	280	D1Q2 1280 003	1908						0.03	0.02	7913233.68	563411.624	287.162	7.162	NAG
2016	D1Q2	280	D1Q2 1280 005	1316						0.03	0.01	7913235.32	563376.331	287.075	7.075	NAG
2016	D1Q2	280	D1Q2 1280 005	1214						0.05	0.01	7913230.15	563371.369	286.41	6.41	NAG
2016	D1Q2	280	D1Q2 1280 005	1421						0.06	0.01	7913242.77	563385.587	287.278	7.278	NAG
2016	D1Q2	280	D1Q2 1280 005	1118						0.1	0.01	7913233.6	563383.078	285.91	5.91	NAG
2016	D1Q2	280	D1Q2 1280 006	1819						0.65	0.01	7913231.4	563439.248	285.439	5.439	NAG
2016	D1Q2	280	D1Q2 1280 006	1521						0.03	0.01	7913224.46	563446.078	283.846	3.846	NAG
2016	D1Q2	280	D1Q2 1280 006	2112						0.05	0.01	7913238.17	563422.198	287.13	7.13	NAG
2016	D1Q2	280	D1Q2 1280 006	1915						0.09	0.01	7913233.89	563430.099	286.49	6.49	NAG
2016	D1Q2	280	D1Q2 1280 006	1713						0.01	0.01	7913229.08	563424.757	285.574	5.574	NAG
2016	D1Q2	285	D1Q2 1285 002	1116						0.1	0.05	7913247.33	563378.703	287.262	2.262	NAG
2016	D1Q2	285	D1Q2 1285 002	1109						0.03	0.02	7913238.66	563362.297	286.551	1.551	NAG
2016	D1Q2	285	D1Q2 1285 002	1913						0.29	0.01	7913260.12	563363.329	289.956	4.956	NAG
2016	D1Q2	285	D1Q2 1285 002	1815						0.11	0.02	7913259.63	563367.602	289.746	4.746	NAG
2016	D1Q2	285	D1Q2 1285 002	1012						0.01	0.01	7913239.91	563369.31	286.083	1.083	NAG

TABLE D.6.3
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2016 QIA AND NWB ANNUAL REPORT FOR OPERATIONS
QUARRY Q01 GEOCHEMISTRY ANALYTICAL
SAMPLING RESULTS FOR 2016
SUMMARY STATISTICS

	C (%)	S (%)
COUNT	4	4
MIN	0.030	0.010
MAX	0.11	0.01
MEAN	0.053	0.010

TABLE D.6.3.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2016 QIA AND NWB ANNUAL REPORT FOR OPERATIONS
QUARRY Q01 GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS FOR 2016

2016 BLASTED QUARRY ROCK																
YEAR	Location	Bench	Blast ID	Hole ID	Fizz Rating	NP (tCaCO ₃ /1Kt)	MPA (tCaCO ₃ /1Kt)	NNP (tCaCO ₃ /1Kt)	Ratio (NP:MPA)	C (%)	S (%)	y	x	z	DEPTH	CLASS
2016	Q01	53	Q01 1054 017	811						0.04	0.01	7975215	503987.7	60.276	7.276	NAG
2016	Q01	53	Q01 1054 017	708						0.03	0.01	7975213	503995.4	60.61	7.61	NAG
2016	Q01	53	Q01 1054 017	617						0.03	0.01	7975228	503974.5	60.185	7.185	NAG
2016	Q01	53	Q01 1054 017	713						0.11	0.01	7975221	503982.5	60.485	7.485	NAG