

APPENDIX E.6

QUARRY GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS

TABLE E.6.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
Quarry QMR2 GEOCHEMISTRY ANALYTICAL
SAMPLING RESULTS FOR 2015
SUMMARY STATISTICS

	Fizz Rating	NP	MPA	MNP	(NP:MNP)	C (%)	S (%)
		t CaCO ₃ /1000t	t CaCO ₃ /1000t	t CaCO ₃ /1000t			
COUNT	2	2	2	2	2	50	84
MIN	1	14	7.5	6	1.66	0.01	0.01
MAX	1	15	9.1	7	1.87	1.47	0.29
MEAN	1	14.5	8.3	6.5	1.765	0.187	0.0294

TABLE E.6.1.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
Quarry QMR2 GEOCHEMISTRY ANALYTICAL
SAMPLING RESULTS FOR 2015

2015 BLASTED WASTE ROCK																			
YEAR	Location	Bench		Blast ID	ALS Assay #	Hole ID	Fizz Rating	NP (ICaCO3/1K)	MPA (ICaCO3/1K)	MNP (ICaCO3/1K)	Ratio (NP:MPA)	C (%)	S (%)	Y	x	z	DEPTH	Lithology	CLASS
2015	QMR2	190		QMR2 1190 014		77						0.03	0.01	7914247.6	560067.204	200.533	10.533	WASTE	NAG
2015	QMR2	190		QMR2 1190 014		19						0.03	0.01	7914259.27	560055.838	200.157	10.157	WASTE	NAG
2015	QMR2	190		QMR2 1190 014		28						0.01	0.01	7914257.13	560044.62	200.236	10.236	WASTE	NAG
2015	QMR2	190		QMR2 1190 015		2608						0.04	0.01	7914247.37	560069.977	191.972	1.972	WASTE	NAG
2015	QMR2	190		QMR2 1190 015		2917						0.08	0.04	7914240.46	560101.578	199.809	9.809	WASTE	NAG
2015	QMR2	190		QMR2 1190 015		3219						0.2	0.08	7914244.8	560109.152	199.671	9.671	WASTE	NAG
2015	QMR2	190		QMR2 1190 015		3023						0.04	0.01	7914234.73	560119.094	199.562	9.562	WASTE	NAG
2015	QMR2	190		QMR2 1190 015		3306						0.04	0.01	7914264.58	560072.863	200.529	10.529	WASTE	NAG
2015	QMR2	190		QMR2 1190 015		3015						0.1	0.08	7914246.5	560095.035	199.843	9.843	WASTE	NAG
2015	QMR2	190		QMR2 1190 015		2908						0.05	0.01	7914254.11	560075.77	199.903	9.903	WASTE	NAG
2015	QMR2	190		QMR2 1190 015		3211						0.04	0.01	7914256.18	560085.316	200.122	10.122	WASTE	NAG
2015	QMR2	190		QMR2 1190 016		1916						0.11	0.04	7914196.52	560146.571	200.127	10.127	WASTE	NAG
2015	QMR2	190		QMR2 1190 016		1702						0.09	0.01	7914239.33	560129.025	199.887	9.887	WASTE	NAG
2015	QMR2	190		QMR2 1190 016		1808						0.08	0.05	7914222.68	560136.66	200.06	10.06	WASTE	NAG
2015	QMR2	190		QMR2 1190 016		1711						0.07	0.01	7914210.31	560139.128	200.046	10.046	WASTE	NAG
2015	QMR2	190		QMR2 1190 016		1910						0.06	0.01	7914215.44	560140.904	199.788	9.788	WASTE	NAG
2015	QMR2	190		QMR2 1190 016		1504						0.08	0.02	7914231.8	560127.146	199.753	9.753	WASTE	NAG
2015	QMR2	190		QMR2 1190 016		1616						0.1	0.01	7914195.36	560141.887	200.181	10.181	WASTE	NAG
2015	QMR2	190		QMR2 1190 016		19100						0.06	0.01	7914215.44	560140.904	199.788	9.788	WASTE	NAG
2015	QMR2	190		QMR2 1190 016		1913						0.07	0.01	7914206.02	560143.59	200.333	10.333	WASTE	NAG
2015	QMR2	210		QMR2 1210 017		1002						0.21	0.01	7914191.21	560209.791	212.062	2.062	WASTE	NAG
2015	QMR2	210		QMR2 1210 018		2503						0.01	0.03	7914300.05	559963.974	214.806	4.806	WASTE	NAG
2015	QMR2	210		QMR2 1210 018		1712						0.21	0.03	7914276.04	559975.868	212.422	2.422	WASTE	NAG
2015	QMR2	210		QMR2 1210 018		2909	1	14	7.5	7	1.87	0.03	0.24	7914300.46	559980.303	216.574	6.574	WASTE	PAG
2015	QMR2	210		QMR2 1210 018		2509						0.01	0.04	7914293.82	559976.709	215.198	5.198	WASTE	NAG
2015	QMR2	210		QMR2 1210 018		2606						0.35	0.03	7914299.11	559970.33	215.105	5.105	WASTE	NAG
2015	QMR2	210		QMR2 1210 018		2811	1	15	9.1	6	1.66	0.07	0.29	7914297.17	559982.644	216.186	6.186	WASTE	PAG
2015	QMR2	217		QMR2 1217 001		2302						1.47	0.01	7914330.93	559948.642	218.17	1.17	WASTE	NAG
2015	QMR2	217		QMR2 1217 003		1905						0.05	0.01	7914324.59	559958.909	218.658	1.658	WASTE	NAG
2015	QMR2	217		QMR2 1217 003		2013						0.08	0.01	7914332.83	559977.057	220.693	3.693	WASTE	NAG
2015	QMR2	217		QMR2 1217 002		1302						0.04	0.01	7914309.25	559955.537	215.901	-1.099	WASTE	NAG
2015	QMR2	217		QMR2 1217 002		1302						1.01	0.01	7914237.81	560230.418	220.458	3.458	WASTE	NAG
2015	QMR2	217		QMR2 1217 002		1711						0.11	0.01	7914220.59	560214.017	219.865	2.865	WASTE	NAG
2015	QMR2	217		QMR2 1217 002		20160						0.21	0.01	7914305.3	560004.196	221.783	4.783	WASTE	NAG
2015	QMR2	217		QMR2 1217 002		1615						0.58	0.01	7914300.49	559996.015	219.121	2.121	WASTE	NAG
2015	QMR2	217		QMR2 1217 002		1913						1.35	0.01	7914308.45	559997.412	220.829	3.829	WASTE	NAG
2015	QMR2	217		QMR2 1217 002		1811						0.27	0.01	7914310.92	559991.143	219.949	2.949	WASTE	NAG
2015	QMR2	217		QMR2 1217 002		2016						0.49	0.01	7914305.3	560004.196	221.783	4.783	WASTE	NAG
2015	QMR2	217		QMR2 1217 002		1504						0.51	0.01	7914317.23	559973.95	219.146	2.146	WASTE	NAG
2015	QMR2	217		QMR2 1217 005		1314						0.08	0.01	7914252.03	560193.148	222.036	5.036	WASTE	NAG
2015	QMR2	217		QMR2 1217 005		1615						0.01	0.01	7914244.8	560193.93	221.598	4.598	WASTE	NAG
2015	QMR2	217		QMR2 1217 005		1709						0.2	0.02	7914247.39	560208.567	223.147	6.147	WASTE	NAG
2015	QMR2	217		QMR2 1217 005		1208						0.04	0.03	7914259.11	560208.914	222.716	5.716	WASTE	NAG
2015	QMR2	217		QMR2 1217 005		1604						0.01	0.08	7914253.72	560221.807	222.617	5.617	WASTE	NAG
				QMR2		R798087							0.03						
				QMR2		R798080							0.15						
				QMR2		R798083							0.02						
				QMR2		R798082							0.01						
				QMR2		R798084							0.01						
				QMR2		R798081							0.01						
				QMR2		R798068							0.01						
				QMR2		R798062							0.01						
				QMR2		R798069							0.01						
				QMR2		R798070							0.01						
				QMR2		R798100							0.01						
				QMR2		R798001							0.01						
				QMR2		R798064							0.01						
				QMR2		R798086							0.01						
				QMR2		R798003							0.01						
				QMR2		R798085							0.01						
				QMR2		R798063							0.01						
				QMR2		R798060							0.01						
				QMR2		R798059							0.07						
				QMR2		R798005							0.01						
				QMR2		R798004							0.02						
				QMR2		R798007							0.01						
				QMR2		R798051							0.02						
				QMR2		R798052							0.02						
				QMR2		R798096							0.02						
				QMR2		R798097							0.04						
				QMR2		R798093							0.04						
				QMR2		R798094							0.02						
				QMR2		R798099							0.03						
				QMR2		R798055							0.01						
				QMR2		R798054							0.01						
				QMR2		R798098							0.1						
				QMR2		R798095							0.03						
				QMR2		R798056							0.02						
				QMR2		R798053							0.01						
				QMR2		R798091							0.03						
				QMR2		R798089							0.03						
				QMR2		R798092							0.02						
				QMR2		R798090							0.02						
				QMR2		R798088							0.08						

TABLE E.6.2
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
Quarry D1Q2 GEOCHEMISTRY ANALYTICAL
SAMPLING RESULTS FOR 2015
SUMMARY STATISTICS

	C (%)	S (%)
COUNT	7	6
MIN	0.06	0.01
MAX	0.15	0.17
MEAN	0.096	0.058

TABLE E.6.2.1
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
Quarry D1Q2 GEOCHEMISTRY
ANALYTICAL
SAMPLING RESULTS FOR 2015

2015 BLASTED WASTE ROCK																	
YEAR	Location	Bench	Blast ID	Hole ID	Fizz Rating	NP (tCaCO3/1kt)	MPA (tCaCO3/1kt)	NNP (tCaCO3/1kt)	Ratio (NP:MPA)	C (%)	S (%)	y	x	z	DEPTH	Lithology	CLASS
2015	D1Q2	308	D1Q2 1308 004	3909						0.06	0.01	7913371.58	563296.588	317.946	9.946	WASTE	NAG
2015	D1Q2	308	D1Q2 1308 004	4310						0.13	0.17	7913371.12	563306.619	316.427	8.427	WASTE	NAG
2015	D1Q2	308	D1Q2 1308 004	4505						0.06	0.04	7913384.85	563305.833	319.059	11.059	WASTE	NAG
2015	D1Q2	308	D1Q2 1308 004	4210						0.15	0.09	7913368.99	563304.137	316.651	8.651	WASTE	NAG
2015	D1Q2	308	D1Q2 1308 004	3910						0.11	<0.01	7913368.57	563297.702	317.207	9.207	WASTE	NAG
2015	D1Q2	308	D1Q2 1308 004	3913						0.09	0.01	7913360.28	563300.302	313.661	5.661	WASTE	NAG
2015	D1Q2	308	D1Q2 1308 004	3810						0.07	0.03	7913366.61	563296.082	316.895	8.895	WASTE	NAG

TABLE E.6.3
BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT

2015 QIA AND NWB ANNUAL REPORT
TOTE ROAD GEOCHEMISTRY ANALYTICAL SAMPLING RESULTS

Sample ID	ALS Assay Tag	S(%)
77-11	R798078	0.03
77-10	R798075	0.02
77-08	R798072	0.02
77-03	R798076	0.03
77-02	R798077	0.08
77-01	R798061	0.01
77-05	R798067	0.02
77-14	R798071	0.05
77-13	R798066	0.06
77-06	R798074	0.03
77-09	R798065	0.02
77-07	R798057	0.06
77-15	R798073	0.02
62	R798058	0.01
62	R798006	0.01
KM97	R798008	0.01
77-04	R798002	0.01