

BAFFINLAND IRON MINES CORPORATION  
MARY RIVER PROJECT

MR1-07-111 (KP-07-01A)

## GEOMECHANICAL DRILLHOLE LOGGING DATA SHEET

White = Calculated      Yellow = User Specified      Purple = Requires Consideration

Project: Mary River Project	Surface Elevation:	449	m
Client: Baffinland Iron Mines Corporation			
Drilling Company: Boart Longyear	Location:	1473	
Coordinates: 7913910 N, 563414 E	Deposit 1	401.0	m
		1.316	ft
	Azimuth:	150	deg
	Dip:	-75	deg
		(down is negative)	
New Run	End of Hole	Delete Rows	Add New Joint
Resume Joint Entry	Verify Data	Determine Last Row	

Drill Type and Number:	LY38				
Core Type:	From	0.0	m to	317.5	m
		317.5	m to	401.0	m
			m to		HQ3
			m to		NQ3
			m to		

Drillhole Number: MR1-07-111

Reviewed By:  
Date Started: 17-Jun-07  
Date Completed: 30-Jun-07

Drill Run Data															Joint Data															RMR89 Drill Run Rating						Rock Quality Index (Q)		Summary																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Rock Type	Depth From	Depth To	Elev From	Elev To	Run Length	Recov. Length	Recov. (%)	RQD Length	RQD (%)	Jn	# of Joints	Joint Set Spac. (mm)	Ravg	UCS (Est.)	Incremental Depth	Depth	Elev.	Alpha	Beta	Joint Condition Rating										Ground- water Rating	Discont. Type	Fill. Type 1	Fill. Type 2	Fill. Type 3	Orientation Quality	RMR <sub>89</sub> UCS Rating	RMR <sub>89</sub> RQD Rating	RMR <sub>89</sub> Joint Spac. Rating	RMR <sub>89</sub> Joint Condition Rating	RMR <sub>89</sub> Water Rating	RMR <sub>89</sub> Total	RQD	Q'	RMR <sub>89</sub> Final	Q' Final	RMR (Calc from Q' Final)	Comments	Run Logged By																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
																				Discont Number	Peris-P	Apert-A	R	JRC J    (stk)	JRC J ⊥ (dip)	Jr	Infill I	Ja	Ja Manual																				Weath W	Ravg	JCS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
7d	50.50	52.90	400.2	397.9	2.40	2.10	87.5	0.66	27.5	12	12	162	35	100	0.20	50.70	400.0				1	>20m	5-10	Slicks	1	1	1.0	Soft >5mm	8.00					HW	Dry	Un-M	hem		Unk.	9.4	6.5	7.1	1.0	15	39	28	0.286	39	0.286	37.749	Crushed iron formation	PBK/MAM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
															0.20	50.90	399.8				2	>20m	0.1-1.0	Rough	16	16	3.0	None	1.00						Unweathered	Dry	J			Unk.	9.4	6.5	7.1	21.0	15	59	28	6.875																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								</

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Date Started:	17-Jun-07
Date Completed:	30-Jun-07

Azimuth:	150	deg	
Dip:	-75	deg	(down is negative)

NB102-00181/8-4  
Revision 0  
April 30, 2010

MR1-07-111 (KP-07-01A)

GEOMECHANICAL DRILLHOLE LOGGING DATA SHEET

White = Calculated Yellow = User Specified Purple = Requires Consideration

Project: Mary River Project  
Client: Baffinland Iron Mines Corporation  
Drilling Company: Boart Longyear  
Location: Deposit 1  
Coordinates: 7913910 N, 563414 E

Surface Elevation: 449 m  
Total Depth: 150 m  
Azimuth: 150 deg  
Dip: -75 deg (down is negative)

Drill Type and Number: LY38

Core Type: From 0.0 m to 317.5 m  
HQ3  
NQ3

Drillhole Number: MR1-07-111

Reviewed By: 17-Jun-07  
Date Started: 30-Jun-07  
Date Completed:

New Run End of Hole Delete Rows Add New Joint Resume Joint Entry Verify Data Determine Last Row

Drill Run Data															Joint Data													RMR89 Drill Run Rating						Rock Quality Index (Q)		Summary																										
Rock Type	Depth From	Depth To	Elev From	Elev To	Run Length	Recov. Length	Recov. (%)	RQD Length	RQD (%)	Jn	# of Joints	Joint Set Spac. (mm)	Ravg	UCS (Est.)	Incremental Depth	Depth	Elev.	Alpha	Beta	Joint Condition Rating										Ground-water Rating	Discont Type	Fill Type 1	Fill Type 2	Fill Type 3	Orientation Quality	RMR <sub>89</sub> UCS Rating	RMR <sub>89</sub> RQD Rating	RMR <sub>89</sub> Joint Spac. Rating	RMR <sub>89</sub> Condition Rating	RMR <sub>89</sub> Water Rating	RMR <sub>89</sub> Total	RQD	Q'	RMR <sub>89</sub> Final	Q' Final	RMR (Calc from Q') Final	Comments	Run Logged By														
	(m)	(m)			(m)	(m)	(%)	(m)	(%)					(MPa)		(m)	(m)	(deg)	(deg)		Discont Number	Persis-P	Aperit-A	R	JRC II (stk)	JRC I (dip)	Jr	Infill I	Ja	Ja Manual	Weath W	Ravg	JCS																													
															0.27	99.39	353.0			4	>20m	0.1-1.0	Smooth	2	8	2.0	None	1.00	Unweathered							Dry	J				G (+20°)	12.2	10.8	7.8	17.0	15	63	55	9.107			Unable to measure angles										
															0.20	99.59	352.8			5	>20m	0.1-1.0	Smooth	2	2	1.0	Hard <5mm	2.00	Unweathered							Dry	J	ox				G (+20°)	12.2	10.8	7.8	15.0	15	61	55	2.277			Unable to measure angles									
															0.68	100.27	352.1	38	60	6	>20m	1-5	Rough	14	16	3.0	None	1.00	Unweathered							Dry	J						G (+20°)	12.2	10.8	7.8	18.0	15	64	55	13.661			Some slicks present								
															0.14	100.41	352.0			7	>20m	0.1-1.0	Rough	14	10	3.0	None	1.00	Unweathered							Dry	J						Unk	12.2	10.8	7.8	21.0	15	67	55	13.661											
															0.12	100.53	351.9			8	>20m	1-5	Smooth	2	4	3.0	None	1.00	Unweathered							Dry	Un-M						Unk	12.2	10.8	7.8	14.0	15	60	55	18.214			Parallel TCA, joint surface is stepped								
															0.03	100.56	351.9			9	>20m	1-5	Rough	14	14	1.5	None	1.00	Unweathered							Dry	Un-M						Unk	12.2	10.8	7.8	18.0	15	64	55	6.830											
															0.10	100.66	351.8			10	>20m	5-10	Smooth	2	2	1.0	Soft >5mm	4.00	MW							Dry	Un-M	Brok				Unk	12.2	10.8	7.8	4.0	15	50	55	1.138												
															0.35	101.01	351.4			11	>20m	None	Rough	10	12	3.0	Soft <5mm	4.00	MW							Dry	J	chl	eps	hem		Unk	12.2	10.8	7.8	19.0	15	65	55	3.415												
															0.12	101.13	351.3			12	>20m	5-10	Smooth	2	2	1.0	Soft <5mm	4.00	MW							Dry	J	chl	chl	ox		Unk	12.2	10.8	7.8	4.0	15	50	55	1.138												
7e	101.30	103.88	351.2	348.7	2.58	2.48	96.1	2.30	89.1	12	7	310	50	150	0.12	101.42	351.0	24	42	1	<1m	<0.1mm	Rough	10	10	4.0	None	1.00	Unweathered	35						Dry	J	chl	chl	ox		G (+20°)	12.2	17.7	8.8	28.0	15	82	89	29.716	68	7.429	67.048			PBK/MAM						
															0.27	101.69	350.8	62	265	2	>20m	<0.1mm	Smooth	4	8	1.0	None	1.00	Unweathered	40								Dry	J						G (+20°)	12.2	17.7	8.8	18.0	15	72	89	7.429									
															0.54	102.23	350.3	14	180	3	>20m	<0.1mm	Smooth	4	4	2.0	None	1.00	Unweathered	40								Dry	J						G (+20°)	12.2	17.7	8.8	18.0	15	72	89	14.858									
															0.27	102.50	350.0	49	170	4	>20m	0.1-1.0	Smooth	4	6	1.0	None	1.00	Unweathered	30								Dry	J						G (+20°)	12.2	17.7	8.8	17.0	15	71	89	7.429									
															0.35	102.85	349.7	21	56	5	>20m	<0.1mm	SL Rough	10	10	1.5	None	1.00	Unweathered	30								Dry	Un-M						G (+20°)	12.2	17.7	8.8	20.0	15	74	89	11.143									
															0.42	103.27	349.2	4	286	6	>20m	0.1-1.0	SL Rough	10	7	4.0	Hard <5mm	2.00	Unweathered	15								Dry	J	ox				G (+20°)	12.2	17.7	8.8	17.0	15	71	89	14.858										
															0.39	103.66	348.9	4	286	7	>20m	1-5	SL Rough	10	10	4.0	Hard <5mm	2.00	Unweathered	15								Dry	Un-M	ox				G (+20°)	12.2	17.7	8.8	14.0	15	68	89	14.858										
4a	103.88	104.20	348.7	348.4	0.32	0.30	93.7	0.10	31.2	12	3	75	10	20	0.03	103.91	348.6			1	>20m	1-5	SL Rough	10	10	1.5	Soft <5mm	4.00	Unweathered									Dry	Un-M	chl				Unk	3.0	7.0	6.0	12.0	15	43	31	0.977										
															0.15	104.06	348.5			2	>20m	5-10	Smooth	2	2	1.0	Soft <5mm	6.00	SW									Dry	Un-M	Brok	chl				Unk	3.0	7.0	6.0	8.0	15	39	31	0.434	39	0.434	41.488						
															0.10	104.16	348.4			3	>20m	1-5	Rough	10	11	1.5	Soft <5mm	4.00	Unweathered									Dry	Un-M	chl		ox		Unk	3.0	7.0	6.0	14.0	15	45	31	0.977										
7f	104.20	105.90	348.4	346.7	1.70	1.70	100.0	0.94	55.3	12	13	121	30	75	0.08	104.28	348.3	35	145	1	>20m	<0.1mm	SL Rough	8	8	1.5	None	1.00	Unweathered	25								Dry	J						G (+20°)	7.7	10.9	6.6	20.0	15	60	55	6.912	48	0.768	46.624			PBK/MAM			
															0.14	104.42	348.1	48	224	2	>20m	<0.1mm	Rough	14	12	1.5	None	1.00	Unweathered	30								Dry	J						G (+20°)	7.7	10.9	6.6	22.0	15	62	55	6.912									
															0.29	104.71	347.9	14	29	3	>20m	1-5	SL Rough	8	9	1.5	None	1.00	SW									Dry	J						G (+20°)	7.7	10.9	6.6	15.0	15	55	55	6.912									
															0.26	104.97	347.6	42	198	4	>20m	0.1-1.0	Rough	12	10	3.0	None	1.00	Unweathered									Dry	J						Unk	7.7	10.9	6.6	21.0	15	61	55	6.912									



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Date Started:	17-Jun-07
Date Completed:	30-Jun-07

Azimuth:	150	deg	
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Drilling Company: Boart Longyear

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Surface Elevation: 449 m

Total Depth: 150 deg

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(down is negative)

Drill Type and Number: LY38

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HQ3

NG3

Drillhole Number: MR1-07-111

Reviewed By: 17-Jun-07

Date Started: 30-Jun-07

Date Completed: 30-Jun-07

New Run

End of Hole

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	(m)	(m)			(m)	(m)	(%)	(m)	(%)					(MPa)		(m)	(m)	(deg.)	(deg.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</

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Drilling Company: Boart Longyear

Location: Deposit 1

Coordinates: 7913910 N, 563414 E

Surface Elevation: 449 m

Total Depth: 1,473 m

Azimuth: 150 deg

Dip: -75 deg (down is negative)

Drill Type and Number: LY38

Core Type: From

Drillhole Number: MR1-07-111

Reviewed By:

Date Started: 17-Jun-07

Date Completed: 30-Jun-07

New Run

End of Hole

Delete Rows

Add New Joint

Resume Joint Entry

Verify Data

Determine Last Row

Drill Run Data															Joint Data												RMR89 Drill Run Rating						Rock Quality Index (Q)		Summary																				
Rock Type	Depth From	Depth To	Elev From	Elev To	Run Length	Recov. Length	Recov. (%)	RQD Length	RQD (%)	Jn	# of Joints	Joint Set Spac. (mm)	Ravg	UCS (Est.)	Incremental Depth	Depth	Elev.	Alpha	Beta	Joint Condition Rating										Ground-water Rating	Discont Type	Fill. Type 1	Fill. Type 2	Fill. Type 3	Orientation Quality	RMR <sub>89</sub> UCS Rating	RMR <sub>89</sub> RQD Rating	RMR <sub>89</sub> Joint Spac. Rating	RMR <sub>89</sub> Joint Condition Rating	RMR <sub>89</sub> Water Rating	RMR <sub>89</sub> Total	RQD	Q'	RMR <sub>89</sub> Final	Q' Final	RMR (Calc from Q') Final	Comments	Run Logged By							
																				Discont Number	Persis-P	Aperit-A	R	JRC II (stk)	JRC I (dip)	Jr	Infill I	Ja	Ja Manual																				Weath W	Ravg	JCS				
9d	196.00	197.30	259.7	258.4	1.30	1.30	100.0	1.30	100.0	12	4	260	40	100	0.36	196.36	259.3	65	27	1	>20m	0.1-1.0	Rough	10	12	1.5	None	1.00		SW	30		Dry	J				G (±20°)	9.4	20.0	8.3	20.0	15	73	100	12,500	67	3.125	59,255			MAM			
															0.22	196.58	259.1	65	88	2	>20m	0.1-1.0	Rough	14	10	1.5	None	1.00		Unweathered	10		Dry	J				G (±20°)	9.4	20.0	8.3	21.0	15	74	100	12,500									
															0.27	196.85	258.9	52	88	3	>20m	1-5	Smooth	2	4	1.0	None	1.00		Unweathered	40		Dry	Un-M				G (±20°)	9.4	20.0	8.3	14.0	15	67	100	8,333									
															0.37	197.22	258.5	78	86	4	>20m	<0.1mm	Rough	10	12	1.5	Soft <5mm	4.00		SW			Dry	J	tlc	eps		G (±20°)	9.4	20.0	8.3	17.0	15	70	100	3,125									
4a	197.30	197.50	258.4	258.2	0.20	0.17	85.0	0.01	5.0	12	1	85	10	13	0.10	197.40	258.3			1	1-3m	5-10	Smooth	2	2	1.0	Soft >5mm	6.00		MW			Dry	V	tlc	clt	eps	Unk.	2.3	3.6	6.1	8.0	15	35	5	0.069	35	0.069	24,995			MAM			
7f	197.50	199.00	258.2	256.8	1.50	1.50	100.0	1.50	100.0	12	3	375	42	150	0.85	198.15	257.6	68	148	1	>20m	<0.1mm	Smooth	10	6	1.0	None	1.00		Unweathered			Dry	J				G (±20°)	12.2	20.0	9.5	11.0	15	68	100	8,333									
															0.52	198.67	257.1	42	74	2	>20m	<0.1mm	Smooth	2	6	1.0	None	1.00		Unweathered			Dry	J				G (±20°)	12.2	20.0	9.5	18.0	15	75	100	8,333									
															0.18	198.85	256.9	69	93	3	>20m	<0.1mm	Rough	10	12	1.5	None	1.00		Unweathered			Dry	J				G (±20°)	12.2	20.0	9.5	22.0	15	79	100	12,500									
7f	199.00	202.00	256.8	253.9	3.00	3.00	100.0	3.00	100.0	12	4	600	40	135	0.80	199.60	256.2	58	133	1	>20m	0.1-1.0	Rough	10	12	1.5	None	1.00		Unweathered	30		Dry	J				G (±20°)	11.5	20.0	11.7	21.0	15	79	100	12,500	74	4.167	61,844			MAM			
															0.98	200.58	255.3	22	151	2	>20m	<0.1mm	Smooth	2	6	1.0	Hard <5mm	2.00		Unweathered	28		Dry	J	ox		G (±20°)	11.5	20.0	11.7	16.0	15	74	100	4,167										
															0.79	201.37	254.5	79	202	3	>20m	<0.1mm	Smooth	2	4	1.0	None	1.00		Unweathered			Dry	J				G (±20°)	11.5	20.0	11.7	18.0	15	76	100	8,333									
															0.21	201.58	254.3	77	188	4	>20m	0.1-1.0	SL Rough	8	10	1.0	None	1.00		Unweathered			Dry	J				G (±20°)	11.5	20.0	11.7	19.0	15	77	100	8,333									
															2.02	204.02	251.9	71	78	1	>20m	0.1-1.0	Rough	12	8	1.5	None	1.00		Unweathered			Dry	J				G (±20°)	12.7	20.0	12.9	21.0	15	82	100	12,500	78	8.333	68,082			MAM			
															0.82	204.54	251.4	67	176	2	>20m	0.1-1.0	Smooth	4	8	1.0	None	1.00		Unweathered			Dry	J				G (±20°)	12.7	20.0	12.9	17.0	15	78	100	8,333									
															0.26	204.82	251.2	74	229	3	>20m	0.1-1.0	Smooth	2	2	1.0	None	1.00		Unweathered			Dry	J				G (±20°)	12.7	20.0	12.9	17.0	15	78	100	8,333									
															0.59	205.59	250.4	19	273	1	>20m	0.1-1.0	Smooth	2	2	1.0	Hard <5mm	2.00		Unweathered			Dry	J	ox		G (±20°)	11.5	18.8	9.1	15.0	15	69	94	3,922	62	2.614	57,649							
															0.49	206.08	249.9			2	>20m	1-5	V Rough	20	20	4.0	None	1.00		Unweathered			Dry	Un-M				Unk.	11.5	18.8	9.1	19.0	15	73	94	31,373									
															0.03	206.11	249.9			3	>20m	5-10	Smooth	2	2	1.0	Hard <5mm	3.00		MW			Dry	Un-M				Unk.	11.5	18.8	9.1	8.0	15	62	94	2,614									
															0.32	206.43	249.6	32	281	4	>20m	<0.1mm	Smooth	2	2	1.0	None	1.00		Unweathered			Dry	J				G (±20°)	11.5	18.8	9.1	23.0	15	77	100	7,843									
															0.16	206.86	249.2	37	51	1	>20m	0.1-1.0	Rough	10	16	3.0	Soft <5mm	4.00		SW			Dry	J	tlc	ox		G (±20°)	3.9	15.6	7.8	16.0	15	58	79	4,952	56	1.651	53,510	Heavily altered magnetite (limonite) with some banded iron formation (w/ silicates)	MAM				
															0.41	207.27	248.8	24	58	2	>20m	<0.1mm	SL Rough	6	12	1.0	Soft <5mm	4.00		SW			Dry	J	tlc	chl	ox	G (±20°)	3.9	15.6	7.8	15.0	15	57	79	1,651									
															0.44	207.71	248.4			3	>20m	0.1-1.0	Smooth	4	6	1.0	None	2.00		MW			Dry	J	ox		G (±20°)	3.9	15.6	7.8	14.0	15	56	79	3,301										
															0.02	207.73	248.3			4	>20m	0.1-1.0	Smooth	4	4	4.0	None	2.00		SW			Dry	J				G (±20°)	3.9	15.6	7.8	16.0	15	58	79	13,205									
															0.12	207.85	248.2			5	>20m	1-5	Rough	10	14	1.5	None	1.0																											



Reviewed By:	
Date Started:	17-Jun-07
Date Completed:	30-Jun-07

Dip: -75 deg (down is negative)

NB102-00181/8-4  
Revision 0  
April 30, 2010

**GEOMECHANICAL DRILLHOLE LOGGING DATA SHEET**

White = Calculated      Yellow = User Specified      Purple = Requires Consideration

Project: <b>Mary River Project</b>						
Client: <b>Baffinland Iron Mines Corporation</b>						
Drilling Company: <b>Boart Longyear</b>						
Location: <b>Deposit 1</b>						
Coordinates: <b>7913910 N, 563414 E</b>						
New Run	End of Hole	Delete Rows	Add New Joint	Resume Joint Entry	Verify Data	Determine Last Row

Drill Type and Number:	LY38				
Core Type: From	0.0	m to	317.5	m	HQ3
	317.5	m to	401.0	m	NQ3
		m to		m	
		m to		m	

Drillhole Number:	MR1-07-111
Reviewed By:	
Date Started:	17-Jun-07
Date Completed:	30-Jun-07

[illegible]



MR1-07-111 (KP-07-01A)

**GEOMECHANICAL DRILLHOLE LOGGING DATA SHEET**

White = Calculated      Yellow = User Specified      Purple = Requires Consideration

Project: Mary River Project		Client: Baffinland Iron Mines Corporation		Drilling Company: Boart Longyear		Location: Deposit 1		Coordinates: 7913910 N, 563414 E	
New Run	End of Hole	Delete Rows	Add New Joint	Resume Joint Entry	Verify Data	Determine Last Row			

Drill Type and Number:	LY38			
Core Type: From	0.0	m to	317.5	m
	317.5	m to	401.0	m
		m to		m
		m to		m
				HQ3
				NQ3

Drillhole Number: MR1-07-111

Reviewed By:	
Date Started:	17-Jun-07
Date Completed:	30-Jun-07

Drill Run Data															Joint Data															RMR89 Drill Run Rating										Rock Quality Index (Q)		Summary									
Rock Type	Depth From	Depth To	Elev From	Elev To	Run Length	Recov. Length	Recov. (%)	RQD Length	RQD (%)	Jn	# of Joints	Joint Set Spac. (mm)	Ravg	UCS (Est.) (MPa)	Incremental Depth	Depth	Elev.	Alpha	Beta	Joint Condition Rating													Groundwater Rating	Discount Type	Fill. Type 1	Fill. Type 2	Fill. Type 3	Orientation Quality	RMR <sub>89</sub> UCS Rating	RMR <sub>89</sub> RQD Rating	RMR <sub>89</sub> Joint Spac. Rating	RMR <sub>89</sub> Joint Condition Rating	RMR <sub>89</sub> Water Rating	RMR <sub>89</sub> Total	RQD	Q'	RMR <sub>89</sub> Final	Q' Final	RMR (Calc from Q')	Comments	Run
																				Discont. Number	Perisip. P	Apert. A	R	JRC I (stk)	JRC J (dip)	Jr	Infill I	Ja	Ja Manual	Weath. W	Ravg	JCS																			
															0.27	320.99	158.3	78	310	9	>20m	0.1-1.0 V Rough	14	16	3.0	None	2.00	Unweathered	22	Dry	J				G (±20°)	9.4	16.0	7.5	22.0	15	70	81	10.125								
															0.23	301.22	158.0	20	310	10	>20m	<0.1mm Rough	8	10	1.5	Soft <5mm	4.00	Unweathered	12	Dry	J	chl				G (±20°)	9.4	16.0	7.5	18.0	15	66	81	2.531							
															0.56	301.78	157.5	50	40	11	>20m	<0.1mm Rough	8	6	1.5	Soft <5mm	4.00	Unweathered	15	Dry	J	chl				G (±20°)	9.4	16.0	7.5	18.0	15	66	81	2.531							
															0.34	302.12	157.2	50	40	12	>20m	0.1-1.0 Rough	16	8	1.5	Soft <5mm	4.00	Unweathered	15	Dry	J	chl				G (±20°)	9.4	16.0	7.5	17.0	15	65	81	2.531							
															0.08	302.57	157.1	50	300	13	>20m	0.1-1.0 Rough	12	15	1.5	None	2.00	Unweathered	10	Dry	J	chl				G (±20°)	9.4	16.0	7.5	19.0	15	67	81	2.531							
4A	302.50	305.50	156.8	153.9	3.00	2.80	93.3	2.55	85.0	12	13	200	45	140	0.10	302.60	156.7	20	320	1	>20m	0.1-1.0 SL Rough	8	6	1.5	Soft <5mm	4.00	Unweathered	10	Dry	J	CHL				VG (±45°)	11.7	16.8	7.6	15.0	15	66	85	2.656	65	1.771	54.143			JS	
															0.03	302.63	156.7	40	10	2	>20m	<0.1mm Smooth	4	4	1.0	Soft <5mm	4.00	Unweathered	10	Dry	J	CHL				VG (±45°)	11.7	16.8	7.6	14.0	15	65	85	1.771							
															0.34	302.97	156.4	20	70	3	>20m	<0.1mm SL Rough	6	4	1.0	Soft <5mm	4.00	Unweathered	25	Dry	J	dy				VG (±45°)	11.7	16.8	7.6	16.0	15	67	85	1.771							
															0.13	303.10	156.2	20	10	4	>20m	<0.1mm SL Rough	4	6	1.0	Soft <5mm	4.00	Unweathered	5	Dry	J	CHL				VG (±45°)	11.7	16.8	7.6	16.0	15	67	85	1.771							
															0.27	303.71	156.0	38	30	5	>20m	<0.1mm SL Rough	4	4	1.0	Soft <5mm	4.00	Unweathered	10	Dry	J	CHL				VG (±45°)	11.7	16.8	7.6	16.0	15	67	85	1.771							
															0.07	303.44	155.9	18	30	6	>20m	1.5 Rough	12	10	1.5	Soft <5mm	4.00	Unweathered	18	Dry	J	CHL				VG (±45°)	11.7	16.8	7.6	14.0	15	65	85	2.656							
															0.00	303.44	155.9	20	180	7	>20m	<0.1mm Rough	14	16	1.5	Soft <5mm	4.00	Unweathered	15	Dry	Un-M	CHL				VG (±45°)	11.7	16.8	7.6	18.0	15	69	85	2.656							
															0.30	303.74	155.6	25	20	8	>20m	<0.1mm SL Rough	8	6	1.5	Soft <5mm	4.00	Unweathered	15	Dry	Un-M	CHL				VG (±45°)	11.7	16.8	7.6	16.0	15	67	85	2.656							
															0.25	303.99	155.4	25	220	9	>20m	<0.1mm SL Rough	6	6	1.5	Soft <5mm	4.00	Unweathered	20	Dry	J	CHL				VG (±45°)	11.7	16.8	7.6	16.0	15	67	85	2.656							
															0.45	304.54	154.8	26	20	16	>20m	<0.1mm SL Rough	8	6	1.5	Soft <5mm	4.00	Unweathered	20	Dry	J	CHL				VG (±45°)	11.7	16.8	7.6	16.0	15	67	85	2.656							
															0.00	304.54	154.8	26	20	16	>20m	<0.1mm SL Rough	8	6	1.5	Soft <5mm	4.00	Unweathered	20	Dry	J	CHL				VG (±45°)	11.7	16.8	7.6	16.0	15	67	85	2.656							
															0.32	304.86	154.5	45	110	12	>20m	0.1-1.0 SL Rough	6	6	1.5	Soft <5mm	4.00	Unweathered	30	Dry	J	CHL				VG (±45°)	11.7	16.8	7.6	15.0	15	66	85	2.656							
															0.30	305.16	154.2	40	60	13	>20m	0.1-1.0 SL Rough	6	4	1.5	Soft <5mm	4.00	Unweathered	25	Dry	J	CHL				VG (±45°)	11.7	16.8	7.6	15.0	15	66	85	2.656							
4a	305.50	308.50	153.9	151.0	3.00	2.19	73.0	1.18	39.3	12	19	110	40	100	0.35	305.65	153.6	40	30	1	>20m	0.1-1.0 Rough	14	16	2.0	Soft <5mm	4.00	Unweathered	18	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	17.0	15	56	39	1.639	49	0.546	43.559			JS	
															0.36	305.94	153.5	40	100	2	>20m	1-5 Rough	14	16	2.0	Soft <5mm	4.00	Unweathered	10	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	14.0	15	53	39	1.438							
															0.25	306.20	153.2	42	70	3	>20m	1.5 Smooth	4	4	1.0	Soft <5mm	4.00	Unweathered	25	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	10.0	15	49	39	0.819							
															0.25	306.45	153.0	5	110	4	>20m	<0.1mm Smooth	4	4	1.5	Soft <5mm	4.00	Unweathered	0	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	14.0	15	53	39	1.229							
															0.06	306.51	152.9	30	0	5	>20m	<0.1mm Smooth	4	4	1.5	Soft <5mm	4.00	Unweathered	0	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	14.0	15	53	39	1.229							
															0.03	306.54	152.9	40	90	6	>20m	<0.1mm Smooth	6	10	1.5	Soft <5mm	4.00	Unweathered	12	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	14.0	15	53	39	1.229							
															0.14	306.58	152.8	40	40	7	>20m	<0.1mm Smooth	14	14	1.5	Soft <5mm	4.00	Unweathered	5	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	14.0	15	53	39	1.229							
															0.06	306.74	152.7	38	30	8	>20m	1.5 SL Rough	4	6	1.5	Soft <5mm	4.00	Unweathered	10	Dry	J	CHL				Unk.	9.4	8.2	6.5	12.0	15	51	39	1.229							
															0.09	306.83	152.6	30	60	9	>20m	0.1-1.0 Rough	14	16	1.5	Soft <5mm	4.00	Unweathered	15	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	17.0	15	56	39	1.229							
															0.15	306.98	152.5	35	40	10	>20m	<0.1mm SL Rough	6	4	1.5	Soft <5mm	4.00	Unweathered	5	Dry	J	chl				G (±20°)	9.4	8.2	6.5	16.0	15	55	39	1.229							
															0.00	306.98	152.5	15	270	11	>20m	<0.1mm SL Rough	6	10	1.5	Soft <5mm	4.00	Unweathered	5	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	16.0	15	55	39	1.229							
															0.01	307.19	152.3	10	20	13	>20m	0.1-1.0 SL Rough	8	18	1.5	Soft <5mm	4.00	Unweathered	0	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	18.0	15	55	39	1.229							
															0.01	307.19	152.3	10	20	13	>20m	0.1-1.0 SL Rough	8	4	1.5	Soft <5mm	4.00	Unweathered	0	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	15.0	15	54	39	1.229							
															0.10	307.29	152.2	20	30	14	>20m	0.1-1.0 Rough	14	16	1.5	Soft <5mm	4.00	Unweathered	0	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	17.0	15	56	39	1.229							
															0.01	307.30	152.2	40	40	15	>20m	0.1-1.0 SL Rough	6	6	1.5	Soft <5mm	4.00	Unweathered	0	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	15.0	15	54	39	1.229							
															0.01	307.31	152.2	35	40	16	>20m	0.1-1.0 SL Rough	6	6	1.0	Soft <5mm	6.00	Unweathered	0	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	15.0	15	54	39	0.846							
															0.10	307.41	152.1	40	10	10	>20m	0.1-1.0 SL Rough	6	6	1.0	Soft <5mm	4.00	Unweathered	0	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	15.0	15	54	39	0.846							
															0.21	307.62	151.9	30	10	18	>20m	1.5 Rough	6	12	1.0	Soft <5mm	4.00	Unweathered	0	Dry	J	CHL				G (±20°)	9.4	8.2	6.5	14.0	15	53	39</								

White = Calculated	Yellow = User Specified	Purple = Required
Project:	Mary River Project	
Client:	Baffinland Iron Mines Corporation	
Drilling Company:	Boart Longyear	
Location:	Deposit 1	
Coordinates:	7913910 N, 563414 E	

**Drill Type and Number:**  
**Core Type:**

LY38	
0.0	m to
317.5	m to
	m to
	m to

317.5	m
401.0	m
	m
	m

HQ3
NQ3

Drillhole Number: MR1-07-111

Reviewed By:	
Date Started:	17-Jun-07
Date Completed:	30-Jun-07

New Run	End of Hole	Delete Rows	Add New Joint	Resume Joint Entry	Verify Data	Determine Last Row
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NB102-00181/8-4  
Revision 0  
April 30, 2010

### GEOMECHANICAL DRILLHOLE LOGGING DATA SHEET

White = Calculated      Yellow = User Specified      Purple = Requires Consideration

White = Calculated		Yellow = User Specified		Purple = Requires Consideration		
Drilling Company:	Project:	Mary River Project				
	Client:	Baffinland Iron Mines Corporation				
	Boat:	Longyear				
	Location:	Deposit 1				
	Coordinates:	7913910 N, 563414 E				
New Run	End of Hole	Delete Rows	Add New Joint	Resume Joint Entry	Verify Data	Determine Last Row

Surface Elevation:	449	m
	1,473	ft
Total Depth:	401.0	m
	1,316	ft
Azimuth:	150	de
Dip:	-75	de

Drill Type and Number:		LY38			
Core Type: From	0.0	m to	317.5	m	HQ3
	317.5	m to	401.0	m	NQ3
		m to		m	
		m to		m	

Drillhole Number: MR1-07-111

Reviewed By:	
Date Started:	17-Jun-07
Date Completed:	30-Jun-07

Drill Run Data														Joint Data														RMR89 Drill Run Rating										Rock Quality Index (Q)		Summary													
Rock Type	Depth From	Depth To	Elev From	Elev To	Run Length	Recover Length	Recover (%)	RQD Length	RQD (%)	Jn	# of Joints	Joint Set Spac. (mm)	Ravg	UCS (Est.)	Incremental Depth	Depth	Elev.	Alpha	Beta	Joint Condition Rating										Ground-water	Discont	Fill	Fill	Fill	Orientation	RMR <sub>89</sub> UCS Rating	RMR <sub>89</sub> RQD Rating	RMR <sub>89</sub> Joint Spac. Rating	RMR <sub>89</sub> Joint Condition Rating	RMR <sub>89</sub> Water Rating	RMR <sub>89</sub> Total	RQD	Q'	RMR <sub>89</sub> Final	Q' Final	RMR (Calc from Q') Final	Comments	Run Logged By					
	(m)	(m)			(m)	(m)		(m)	(%)					(MPa)		(m)	(m)	(deg.)	(deg.)	Discont Number	Persis- P	Apert- A	Roughness R	JRC    (stk)	JRC ⊥ (dip)	Jr	Infill I	Ja	Ja Manual	Weath W	Ravg	JCS	water Rating	Type Type	Type 1	Type 2	Type 3	Quality															
5a	347.60	351.90	113.2	109.1	4.30	4.29	99.8	3.24	75.3	12	33	126	30	50	0.41	348.01	112.8			1	>20m	0.1-1.0	SL Rough	4	2	1.5	None	2.00	Unweathered	5			Dry	Sch							5.7	14.8	6.7	19.0	15	61	75	4.709	52	1.570	53.058		JS
															0.02	348.03	112.8			2	>20m	0.1-1.0	SL Rough	4	2	1.5	None	2.00	Unweathered	5			Dry	Sch							5.7	14.8	6.7	19.0	15	61	75	4.709					
															0.15	348.18	112.7			3	>20m	0.1-1.0	Rough	6	12	1.5	None	2.00	Unweathered	5			Dry	Sch							5.7	14.8	6.7	21.0	15	63	75	4.709					
															0.14	348.32	112.5			4	>20m	0.1-1.0	Rough	6	12	1.5	None	2.00	Unweathered	5			Dry	Sch							5.7	14.8	6.7	21.0	15	63	75	4.709					
															0.07	348.40	112.5			5	>20m	<0.1mm	Smooth	4	2	1.0	None	2.00	Unweathered	5			Dry	Sch							5.7	14.8	6.7	18.0	15	60	75	3.140					
															0.12	348.51	112.4			6	>20m	<0.1mm	Smooth	4	2	1.0	None	2.00	Unweathered	5			Dry	Sch							5.7	14.8	6.7	18.0	15	60	75	3.140					
															0.09	348.60	112.3			7	>20m	0.1-1.0	Smooth	6	2	1.0	Soft <5mm	4.00	Unweathered	10			Dry	Sch	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.11	348.71	112.2			8	>20m	0.1-1.0	Smooth	6	2	1.0	Soft <5mm	4.00	Unweathered	10			Dry	Sch	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.06	348.77	112.1			9	>20m	0.1-1.0	Smooth	6	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	Sch	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.20	348.97	111.9			10	>20m	0.1-1.0	Smooth	4	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	Sch	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.40	349.37	111.5			11	>20m	1-5	Smooth	4	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	sp	chl						5.7	14.8	6.7	10.0	15	52	75	1.570					
															0.16	349.53	111.4			12	>20m	0.1-1.0	Smooth	4	4	1.0	Soft <5mm	4.00	Unweathered	5			Dry	Sch	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.01	349.54	111.4			13	>20m	0.1-1.0	Smooth	4	4	1.0	Soft <5mm	4.00	Unweathered	10			Dry	Sch	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.20	349.74	111.2			14	>20m	0.1-1.0	Smooth	4	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	Sch	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.01	349.75	111.2			15	>20m	<0.1mm	Smooth	4	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	Sch	chl						5.7	14.8	6.7	14.0	15	56	75	1.570					
															0.07	349.82	111.1			16	>20m	<0.1mm	Smooth	4	2	1.0	Soft <5mm	4.00	Unweathered	10			Dry	Sch	chl						5.7	14.8	6.7	14.0	15	56	75	1.570					
															0.09	349.91	111.0			17	>20m	0.1-1.0	SL Rough	6	4	1.5	Soft <5mm	4.00	Unweathered	10			Dry	Sch	chl						5.7	14.8	6.7	15.0	15	57	75	2.355					
															0.19	350.10	110.8			18	>20m	<0.1mm	Smooth	2	2	1.0	None	2.00	Unweathered	5			Dry	J						5.7	14.8	6.7	18.0	15	60	75	3.140						
															0.21	350.31	110.6			19	>20m	<0.1mm	Smooth	2	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	14.0	15	56	75	1.570					
															0.02	350.33	110.6			20	>20m	0.1-1.0	Smooth	2	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.11	350.44	110.5			21	>20m	0.1-1.0	Smooth	2	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.11	350.55	110.4			22	>20m	0.1-1.0	Smooth	2	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.04	350.59	110.4			23	>20m	1-5	SL Rough	4	6	1.5	None	2.00	Unweathered	0			Dry	sp						5.7	14.8	6.7	16.0	15	58	75	4.709						
															0.02	350.61	110.3			24	>20m	1-5	Smooth	6	6	1.5	Soft <5mm	4.00	Unweathered	0			Dry	J	chl						5.7	14.8	6.7	10.0	15	52	75	2.355					
															0.13	350.74	110.2			25	>20m	<0.1mm	Smooth	2	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	14.0	15	56	75	1.570					
															0.14	350.88	110.1			26	>20m	0.1-1.0	SL Rough	4	4	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	15.0	15	57	75	1.570					
															0.16	351.04	109.9			27	>20m	1-5	SL Rough	4	4	1.5	None	2.00	Unweathered	5			Dry	sp						5.7	14.8	6.7	16.0	15	58	75	4.709						
															0.08	351.12	109.8			28	>20m	0.1-1.0	SL Rough	2	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	15.0	15	57	75	1.570					
															0.01	351.13	109.8			29	>20m	0.1-1.0	SL Rough	2	4	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	15.0	15	57	75	1.570					
															0.13	351.26	109.7			30	>20m	0.1-1.0	Smooth	2	4	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.11	351.37	109.6			31	>20m	0.1-1.0	Smooth	2	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.05	351.42	109.6			32	>20m	0.1-1.0	Smooth	4	4	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
															0.15	351.50	109.5			33	>20m	0.1-1.0	Smooth	2	2	1.0	Soft <5mm	4.00	Unweathered	5			Dry	J	chl						5.7	14.8	6.7	13.0	15	55	75	1.570					
5a	351.90	356.30	109.1	104.8	4.40	4.32	98.2	3.96	90.0	12	18	227	25	40	0.17	352.07	108.9			1	>20m	<0.1mm	Smooth	2	2	1.0	None	2.00	Unweathered	20			Dry	J	CHL						4.8	17.9	7.9	18.0	15	64	90	3.750	58	1.875	54.657		JS
															0.10	352.17	108.8			2	>20m	<0.1mm	Smooth	2	2	1.0	Soft <5mm	4.00	Unweathered	10			Dry	J	CHL						4.8	17.9	7.9	14.0	15	60	90	1.875					
															0.03	352.20	108.8			3	>20m	<0.1mm	SL Rough	6	6	1.5	None	2.00	Unweathered	10			Dry	J						4.8	17.9	7.9	20.0	15	66	90	5.625						
				</																																																	



MR1-07-111 (KP-07-01A)

GEOMECHANICAL DRILLHOLE LOGGING DATA SHEET

White = Calculated      Yellow = User Specified      Purple = Requires Consideration

Project: Mary River Project

Client: Baffinland Iron Mines Corporation

Drilling Company: Boart Longyear

Location: Deposit 1

Coordinates: 7913910 N, 563414 E

Surface Elevation: 449 m

Total Depth: 401.0 m

Azimuth: 150 deg

Dip: -75 deg (down is negative)

Drill Type and Number: LY38

Core Type: From 0.0 m to 317.5 m

HQ3

NQ3

Drillhole Number: MR1-07-111

Reviewed By:

Date Started: 17-Jun-07

Date Completed: 30-Jun-07

New Run

End of Hole

Delete Rows

Add New Joint

Resume Joint Entry

Verify Data

Determine Last Row

Drill Run Data															Joint Data															RMR89 Drill Run Rating						Rock Quality Index (Q)		Summary															
Rock Type	Depth From	Depth To	Elev From	Elev To	Run Length	Recov. Length	Recov. (%)	RQD Length	RQD (%)	Jn	# of Joints	Joint Set Spac. (mm)	Ravg	UCS (Est.)	Incremental Depth	Depth	Elev.	Alpha	Beta	Joint Condition Rating										Ground-water Rating	Discont Type	Fill. Type 1	Fill. Type 2	Fill. Type 3	Orientation Quality	RMR <sub>89</sub> UCS Rating	RMR <sub>89</sub> RQD Rating	RMR <sub>89</sub> Joint Spac. Rating	RMR <sub>89</sub> Joint Condition Rating	RMR <sub>89</sub> Water Rating	RMR <sub>89</sub> Total	RQD	Q'	RMR <sub>89</sub> Final	Q' Final	RMR (Calc from Q') Final	Comments	Run Logged By					
																				Discont Number	Persis-P	Aperit-A	R	JRC    (stk)	JRC ⊥ (dip)	Jr	Infill I	Ja	Ja Manual																				Weath W	Ravg	JCS		
															0.52	372.06	89.6			9	>20m	0.1-1.0	SL	Rough	6	4	1.5	Hard <5mm	2.00	Unweathered	5	Dry	Sch	gg	chl			6.5	17.4	8.7	17.0	15	65	88	5.483								
															0.20	372.26	89.4			10	>20m	0.1-1.0	SL	Rough	4	4	1.5	Soft <5mm	4.00	Unweathered	15	Dry	Sch	chl			6.5	17.4	8.7	15.0	15	63	88	2.741									
															0.15	372.41	89.3			11	>20m	0.1-1.0	SL	Rough	4	4	1.5	Soft <5mm	4.00	Unweathered	15	Dry	Sch	chl			6.5	17.4	8.7	15.0	15	63	88	2.741									
															0.08	372.47	89.2			12	>20m	0.1-1.0	SL	Rough	6	4	1.5	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl			6.5	17.4	8.7	15.0	15	63	88	2.741									
															0.06	372.53	89.2			13	>20m	0.1-1.0	SL	Rough	6	4	1.5	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl			6.5	17.4	8.7	15.0	15	63	88	2.741									
Sa	373.80	378.20	87.9	83.7	4.40	4.27	97.0	3.83	87.0	12	18	225	25	40	0.10	373.80	87.9			1	>20m	<0.1mm	SL	Rough	6	6	1.5	None	2.00	Unweathered	5	Dry	Sch					4.8	17.3	7.9	20.0	15	65	87	5.440						JS		
															0.06	373.86	87.9			2	>20m	0.1-1.0	SL	Rough	2	2	1.0	None	2.00	Unweathered	5	Dry	sp					4.8	17.3	7.9	19.0	15	64	87	3.627								
															0.09	373.95	87.8			3	>20m	0.1-1.0	SL	Rough	4	2	1.0	None	2.00	Unweathered	10	Dry	Sch					4.8	17.3	7.9	19.0	15	64	87	3.627								
															0.10	374.05	87.7			4	>20m	0.1-1.0	SL	Rough	2	2	1.0	None	2.00	Unweathered	5	Dry	Sch					4.8	17.3	7.9	19.0	15	64	87	3.627								
															0.12	374.17	87.6			5	>20m	0.1-1.0	SL	Rough	2	2	1.0	None	2.00	Unweathered	5	Dry	Sch					4.8	17.3	7.9	19.0	15	64	87	3.627								
															0.24	374.41	87.3			6	>20m	0.1-1.0	SL	Rough	2	2	1.0	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	1.813							
															0.11	374.52	87.2			7	>20m	0.1-1.0	SL	Rough	2	2	1.0	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	1.813							
															0.50	375.02	86.8			8	>20m	0.1-1.0	SL	Rough	4	4	1.5	Soft <5mm	4.00	Unweathered	10	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	2.720							
															1.43	376.45	85.4			9	>20m	0.1-1.0	SL	Rough	4	4	1.5	Soft <5mm	4.00	Unweathered	10	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	2.720							
															0.16	376.61	85.2			10	>20m	0.1-1.0	SL	Rough	0	0	1.0	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	1.813							
															0.23	376.84	85.0			11	>20m	0.1-1.0	SL	Rough	0	0	1.0	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	1.813							
															0.09	376.93	84.9			12	>20m	0.1-1.0	SL	Rough	2	2	1.0	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	1.813							
															0.15	377.08	84.8			13	>20m	0.1-1.0	SL	Rough	2	2	1.0	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	1.813							
															0.07	377.15	84.7			14	>20m	0.1-1.0	SL	Rough	4	2	1.0	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	1.813							
															0.29	377.44	84.4			15	>20m	0.1-1.0	SL	Rough	2	2	1.0	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	1.813							
															0.05	377.49	84.4			16	>20m	0.1-1.0	SL	Rough	6	2	1.0	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	1.813							
															0.12	377.61	84.3			17	>20m	0.1-1.0	SL	Rough	2	2	1.0	Soft <5mm	4.00	Unweathered	15	Dry	Sch	chl					4.8	17.3	7.9	15.0	15	60	87	1.813							
															0.18	377.79	84.1			18	>20m	0.1-1.0	Rough	6	12	1.5	Soft <5mm	4.00	Unweathered	15	Dry	Sch	chl					4.8	17.3	7.9	17.0	15	62	87	2.720								
															0.16	378.20	83.7			1	>20m	0.1-1.0	SL	Rough	4	2	1.5	Soft <5mm	4.00	Unweathered	5	Dry	Sch	chl					8.0	15.6	7.4	15.0	15	61	79	2.479						JS	
															0.09	378.29	83.6			2	>20m	0.1-1.0	SL	Rough	4	6	1.5	Soft <5mm	4.00	Unweathered	sw	5	Dry	Sch	chl					8.0	15.6	7.4	14.0	15	60	79	2.479						
															0.26	378.55	83.3			3	>20m	0.1-1.0	SL	Rough	2	2																											

MR1-07-111 (KP-07-01A)

### GEOMECHANICAL DRILLHOLE LOGGING DATA SHEET

White = Calculated      Yellow = User Specified      Purple = Requires Consideration

Print > Customer		Print > Service		Print > Required Construction		
Project: Mary River Project						
Client: Baffinland Iron Mines Corporation						
Drilling Company: Boart Longyear						
Location: Deposit 1						
Coordinates: 7913910 N, 563414 E						
New Run	End of Hole	Delete Rows	Add New Joint	Resume Joint Entry	Verify Data	Determine Last Row

Surface Elevation:	449	m	
	1,473	ft	
Total Depth:	401.0	m	
	1,316	ft	
Azimuth:	150	deg	
Dip:	-75	deg	(down is negative)

Drill Type and Number:	LY38				
Core Type: From	0.0	m to	317.5	m	HQ3
	317.5	m to	401.0	m	NQ3
		m to		m	
		m to		m	

Drillhole Number:	MR1-07-111
Reviewed By:	
Date Started:	17-Jun-07
Date Completed:	30-Jun-07

[illegible]