

# NiMo PROJECT

**PROPERTY:** Rich

**HOLE:** RI07-07a

<u>Easting</u>	<u>Northing</u>	<u>Elev.</u>	<u>Depth (m)</u>
444283	7356805	621	170.69

Contractor: North Star  
Drill: MD-002

[illegible]

Core size: BTW  
Casing depth: 24.38 (m) out

Drilling dates: July 21 to July 23, 2007

Logged by: D. MacDonald

Target: Realigned drill, restarted RI07-07

[illegible]

SAMPLES
Numbers: C385589 - C385600 C488151 - C488170 Total: 32 Date sent: August 2, 2007

COMMENTS	

HOLE: RI07-07A

24.38 - 67.10 m Highly fissile and somewhat friable finely laminar, flat-bedded black shale with moderately abundant fractures that are commonly coated with limonite in the first 10 metres; moderately weathered from 24.38 - 35.62 m, becoming slightly more competent over remainder of interval. Common-to-abundant SX (Py) bands (up to 0.5 cm thick) and blebbly lenses (1 mm x 3 mm) - banding and blebs flatly-bedded, parallel to BD; black silts interbedded with abundant grey, fg silts that exhibit rare X-stratification. Two fining-upward cycles in this interval, 24.38 - 41.50 m and 41.50 - 67.10 m; both cycles comprise dominant BK SHL (finely laminar, flat-bedded) interbedded with fg grey, siliceous silts, with the upper 1/2 of each cycle dominated by BK SHL, with GY SLT becoming more common in latter half of each cycle. BK SHL beds average 30+ cm, whereas GY SLT beds average 4 - 5 cm. Uncommon-to-common veinlets ~2mm wide, parallel to BD increase in abundance at end of interval. Interval ends in bitumen-rich layer about 5 cm thick.

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PROPERTY: RICH

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Struct.		LITHOLOGY								ALT.		MINERALS			SAMPLES							Blocks			GEOTECHNICAL						JOINTS						
		From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier		Notes:			Ca	Sx	Fe	From (m)	To (m)	Interval (m)	Sample	Ni (ppm)	Zn (ppm)	Mo (ppm)	From (m)	To (m)	Intvl. (m)	REC		RQD		Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	
Type	Attitude																								(m)	Percent	(m)	Percent									
																	155.26	158.63	3.37	C488156	105.0	125	28.8	155.45	158.50	3.05	0.84	28	0.00	0	FR	MS					
																	158.63	158.64	0.01	C488157	190.5	448	44.8														
BD	85	158.64	158.67	0.03	SX	NIMO	LA	BZ	158.64 - 158.67 m Finely laminar, bronze sulfide bands showing mild bioturbation (laminae up to 2 mm thick).			+				158.64	158.67	0.03	C488158	3.60%	4600	2500															
BD	85	158.67	170.69	12.02	SHL	OSR	LA	BK								158.67	159.17	0.50	C488160	580.0	957	90.2	158.50	161.54	3.04	3.00	99	1.44	47	FR	MS	4	70	2	1	Cb	
																159.17	159.67	0.50	C488161	152.5	666	40.4															
																159.67	160.17	0.50	C488162	103.5	272	26.6															
																160.17	161.17	1.00	C488163	86.9	298	21.5	161.54	164.60	3.06	3.02	99	2.52	82	FR	MS	3	85	1	1	Cb	
																161.17	162.17	1.00	C488164	114.0	314	37.0															
																162.17	163.17	1.00	C488165	129.5	290	38.1															
																163.17	164.67	1.50	C488166	132.5	243	39.2	164.60	167.64	3.04	3.07	101	1.97	65	FR	MS	4	85	1	1	Cb	
																164.67	166.17	1.50	C488167	131.5	230	40.6															
																							167.64	170.69	3.05	2.46	81	2.13	70	FR	MS	1	80	1	1	Cb	
																170.51	170.61	0.10	C488168	120.0	50	39.5															
																170.61	170.62	0.01	C488169	50.0	86	8.1															
		170.69							END OF HOLE							170.62	170.72	0.10	C488170	137.0	70	40.9															