PROJECT MOR

PROPERTY: MOR

HOLE: MR-07-02

Easting	Northing	Elev.	Depth (m)
661819	6663911	1284	166.72

Contractor: TOP Rank Diamond Drilling Ltd.
Drill: JKS-300

Core size: BTW
Casing depth: (m) in/out

Drilling dates: July 3 - July 9, 2007

Logged by: Martin Nunez

SURVEY

Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
collar	358	60	Brunton				
75.3	358	53	Acid				
166.72	358	51	Acid				

Target: Collared on Section 2500E 100m south of MOR-04-01

SUMMARY

From (m)	To (m)	Interval	Unit	Coments
0.00	73.51	73.51	MIXED	Interbedded meta sed and volcanics
73.51	76.19	2.68	MXSX	Horizon A
76.19	80.52	4.33	MIXED	Interbedded meta sed and volcanics
80.52	88.32	7.8	MXSX	Horizon B
88.32	102.80	14.48	MIXED	Interbedded meta sed and volcanics
102.8	107.81	5.01	MXSX	Horizon C
107.81	134.15	26.34	MIXED	Interbedded meta sed and volcanics
134.15	163.88	29.73	QE Schist	Qtz Phyric Biotite Schist
163.68	166.73	3.05	LST	White limestone

SAMPLES

Numbers: C488551-C488571

Total: 21
Date sent: July 17, 2007

COMMENTS

PROPERTY: Mor **HOLE:** MR-07-02

Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:	ALT.			MINERALS				SAMPLES From (m)	To (m)	Interval (m)	Sample				Blocks From (m)	To (m)	Intvl. (m)	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling
		0.00	2.82	2.82	AND	VOL			DK GN QCS w. folded car LA f-m Cal occuring as wisps + BL															0.00	3.05	3.05	1.97	65	0.27	9								
																								3.05	5.18	2.13	1.52	71	0.57	27								
																								5.18	6.92	1.74	1.69	97	0.92	53								
		2.82	4.94	2.12	QCS	SED	GNE		Speckled GN+WH GNE Qz chl Ep: Schist															6.92	8.23	1.31	1.27	97	0.95	73								
																								8.23	11.28	3.05	2.94	96	2.27	74								
C	65	4.94	7.10	2.16	AND	VOL			Same as previous															11.28	12.64	1.36	1.35	99	1.28	95								
C	75	7.10	11.64	4.54	QCS	SED	GNE		Speckled QCS w. local short runs of															12.64	14.33	1.69	1.68	99	1.63	96								
FO	62								AND f-m BL of Py															14.33	17.37	3.04	3.04	100	2.45	80								
C	53	11.64	25.14	13.50	QCS	SED-VOL			Intermediate blended QCS + AND															17.37	18.37	1.00	0.96	96	0.87	87								
FO	62				AND				occuring as mixed speckled QCS + bands															18.37	20.42	2.05	1.97	96	1.80	88								
Fd	90								of AND, QCS, GNE + bands of car AND;															20.42	23.47	3.05	3.02	99	2.67	88								
FO	64								36cm of Hb car AND w. Qz FD FW @															23.47	24.42	0.95	0.88	93	0.79	83								
									14.35m; HW always sharp, FW allways															24.42	26.52	2.10	1.94	92	0.88	42								
									Qz FD. QCS is w. Epi alt.															26.52	29.57	3.05	3.02	99	2.54	83								
																								29.57	30.31	0.74	0.74	100	0.45	61								
C	63	25.14	29.70	4.56	AND	VOL																		30.31	32.61	2.30	2.29	100	0.79	34								
B	80	29.70	42.35	12.65	QCS				Dom speckled QCS w. local bands of															32.61	35.66	3.05	3.05	100	2.60	85								
					AND				GNE mixed AND + QTE															35.66	36.05	0.39	0.33	85	0.24	62								
LA	72	42.35	43.03	0.68	QTE	SED			Banded DKGY + GY QTE w. interLA chl +															36.05	38.71	2.66	2.24	84	1.20	45								
									speckled QMchl SCH															38.71	41.76	3.05	3.09	101	2.98	98								
																								41.76	42.17	0.41	0.42	102	0.35	85								
C	85	43.03	43.67	0.64	QBSch			GNE	Speckled chl Bi Qz Schist w. interLA car;															42.17	44.81	2.64	2.68	102	2.28	86								
FO	80								minor blebs of Py assoc w. Qz blebs (VOL?);															44.81	47.75	2.94	2.94	100	2.53	86								
									w. Ep alteration; w-m interLA wisps of Magnetite.															47.75	47.85	0.10	0.10	100	0.10	100								
																								57.00	58.57	1.57	1.55	99	1.55	99								
		43.67	44.30	0.63	QTE	SED			DK GY QTE															58.57	60.05	1.48	1.47	99	0.91	62								
																								60.05	63.09	3.04	3.00	99	2.61	86								
									Hi MgChl Mu Qz Sch ; Dk Gn - Bk ; very																												
		44.30	44.81	0.51	QMBSch	Inter			rinely LA; w. interla car ; weak minor blof Py + PO? Mg?															63.09	64.06	0.97	0.95	98	0.95	98								
																								64.06	66.14	2.08	2.05	99	1.85	89								
									Speckeled GY GN EP. ALT Qz Chl Bl																												
FO	78	44.81	45.96	1.15	QBsch	SED		GNE	Schist.															66.14	69.19	3.05	3.05	100	2.80	92								
																								69.19	69.78	0.59	0.59	100	0.56	95								
									Hi Mg Chl Mu Qz sch ; Dk Gn-Bk with thinly																												
		45.96	47.24	1.28	QMBSch	Vol			LA w Py occurring along Fo planes ; w occ. Po/Mg?															69.78	72.24	2.46	2.46	100	2.13	87								
FO	81																							72.24	75.29	3.05	3.05	100	2.59	85								
																								75.29	78.33	3.04	3.04	100	3.04	100								
									DR GN + WW folded + flow banded Chl Qz																												
		47.24	47.85	0.61	GNE				GNE															78.33	80.86	2.53	2.55	101	2.55	101								
																								80.86	81.38	0.52	0.53	102	0.53	102								
									Hi Mg DK Gn w Py Chl Mu Bl Qz Sch ; M-W																												
		47.85	54.31	6.46	QMBSch	Vol			interla car occ. Flecks of coarse Po on Fo plants assoc. with Qz La + Chl ALT FO															81.38	84.43	3.05	3.00	98	2.75	90								
FO	57								52.84 unit becomes interbedded with Dk GN															84.43	86.63	2.20	2.20	100	2.20	100								
FO	70								+ with GNE to FW															86.63	87.48	0.85	0.85	100	0.77	91								
																								87.48	90.53	3.05	3.05	100	3.00	98								
									Pale WH GN + YW ; folded GNE ; Sch are																												
		54.31	57.10	2.79	GNE	SED			aligned 22 ; EP + weakly HEM ALT.															90.53	92.33	1.80	1.75	97	1.70	94								
																								92.33	93.57	1.25	1.21	98	1.21	98								

PROPERTY: Mor **HOLE:** MR-07-02

LITHOLOGY										ALT.			MINERALS				SAMPLES							Blocks			GEOTECHNICAL						JOINTS					
Struct.																												REC		RQD									
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:								From (m)	To (m)	Interval (m)	Sample				From (m)	To (m)	Intvl. (m)	(m)	Percent	(m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	
		57.10	59.87	2.77					Chl Mu B. Qz Sch ; strongly MAG with w. wisps of Mg occ BLS and local bull Qz floods; t-tw Py ; Chl bands are fine wispy and folded.															93.57	96.62	3.05	3.05	100	2.89	95							
FO	46																							96.62	98.19	1.57	1.51	96	1.40	89							
		59.87	62.90	3.03					Chl Mu Bi Qz Sch with interbanded QTE + speckeled GY GNE QBSch ; M car ; car becomes folded towards FW near parallel to C/A															98.19	99.67	1.48	1.43	97	1.41	95							
LA	60																							99.67	102.72	3.05	3.05	100	2.33	76							
																								102.72	104.20	1.48	1.40	95	1.31	88							
		62.90	63.86	0.96					Chl Mu Bi Qz Sch ; M CAR ; w. Mag with minor wisps + BL of Mg ; unit is la w chl ; trace w. PY															104.20	105.77	1.57	1.49	95	1.04	66							
LA	51																							105.77	108.81	3.04	3.04	100	2.49	82							
																								108.81	109.84	1.03	1.03	100	0.44	43							
		63.86	64.66	0.80				GNE	Speckled Qz Chl Bi Sch ; with W-F Py ; Qz near HW appears almost RHY ; unit is EP ALT towards FW ; unit includes 30 cm section of Chl Mu Bi Sch															109.84	111.86	2.02	2.02	100	0.44	43							
FO	46																							111.86	114.91	3.05	3.03	99	2.71	89							
																								114.91	115.71	0.80	0.79	99	0.78	98							
		64.66	71.94	7.28					Intermixed QZ Chl Bi Mu Sch with local sections of GNE speckeled QMBC + short runs of Rhy occurs as 5 cm interval with W-F interla PY followed by 31 cm of LAPILI TUF dirty Rhy? With W-F Py ; local sections of folded GNE that have been occ. CY ALT ; Folds occurs as nose folds ; contacts + LA are sharp ; intermixed volcanics + seds ; occ bands of LA QZ ; w. to M. CAR											69.78	72.22	2.44	C488551				115.71	117.96	2.25	2.21	98	1.90	84							
LA	74																	72.22	73.51	1.29	C488552				117.96	121.01	3.05	3.05	100	2.44	80							
BAI	58																	73.51	76.19	2.68	C488553				121.01	121.67	0.66	0.66	100	0.45	68							
																		76.19	78.33	2.14	C488554				121.67	124.05	2.38	2.38	100	1.89	79							
		71.94	75.42	3.48					Hi Mg DR -BK GN Chl Qz Bi/Hb? Sch with F PY ; volcanic unit AND? ; local 2 cm sections of gouge ; minor flecks of PO assoc PY ; local strongly Mag. Sections due to wisps or BK Mg.											78.33	80.52	2.19	C488555				124.05	127.10	3.05	3.01	99	1.45	48							
FO	80																	80.52	81.64	1.12	C488556				127.10	127.53	0.43	0.43	100	0.43	100							
																									127.53	130.15	2.62	2.62	100	2.09	80							
		75.42	83.19	7.77		MxSx			Gritty Qz Mu Car Sch with Smx to Ms Py, Po, CPY ; Sx with Gy vitreous Mu Qz (RH?) beds															130.15	133.20	3.05	3.04	100	2.73	90							
LA	70																							133.20	133.38	0.18	0.18	100	0.18	100							
									75.42-76.26															133.38	136.25	2.87	2.86	100	2.70	94							
									Smx PY/PO/CPY 60/30/20 Incl. 7cm Mx section, Sx															136.25	139.29	3.04	3.03	100	3.00	99							
																								139.29	142.34	3.05	3.05	100	2.87	94							
									80.53-80.92															142.34	145.18	2.84	2.84	100	2.27	80							
									Smx with a 5 cm + 7cm Mx section primarily Py with 20 Po and 5 CPY															145.18	145.39	0.21	0.21	100	0.14	67							
																								145.39	148.44	3.05	3.05	100	1.99	65							
									81.59-82.63															148.44	151.07	2.63	2.49	95	2.22	84							

PROPERTY: Mor **HOLE:** MR-07-02

Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Unit	LITHOLOGY Texture	LITHOLOGY Modifier	Notes:	ALT.			MINERALS				SAMPLES From (m)	SAMPLES To (m)	SAMPLES Interval (m)	SAMPLES Sample				Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling
									Smx with 37cm Ma sections of 90% Py 7% CP 3% Mu?															151.07	151.49	0.42	0.40	95	0.40	95								
																								151.49	154.53	3.04	3.02	99	2.09	69								
									82.62-83.19															154.53	156.90	2.37	2.37	100	1.50	63								
									Ma 90% Py with folded Qz RHY Mu LA + BDS at interface and between Sx runs.															156.90	157.58	0.68	0.68	100	0.60	88								
																								157.58	160.63	3.05	2.99	98	2.14	70								
		83.19	83.72	0.53		RHY			Gy Mu SER RHY ; 10-15% min with Py ; Py is fine grained and recrystallized occurring between + along SER LA								81.64	84.43	2.79	C488557				160.63	162.58	1.95	1.95	100	1.91	98								
LA	70																84.43	86.97	2.54	C488558				162.58	163.68	1.10	1.10	100	1.04	95								
																	86.97	88.32	1.35	C488559				163.68	166.73	3.05	3.05	100	2.94	96								
		83.72	86.92	3.20		MxSx			Mx Py with local sections or folded GNE + QzChl Mu Bi Schist Sx occurs 60% PY 30% CPY 10% por PO occurs as FR fill inGS while PY + CCPY are intermixed local CM sections of RHY + GNE QBC schist.									BLANK		C488560																		
																	88.32	91.02	2.70	C488561																	
																	91.02	91.65	0.63	C488562																	
		86.92	88.33	1.41					GN GY mixed RHY schist + QMBCh schist ; unit is SED, RHY vol mixed zone W with Smx +MxSx sections; RHY sections are folded and bear SER LA ; appears as GY QZ with SER CAL LA; unit is 30% min with Py ; Py occ. Hosts FR's of PO.								91.65	94.43	2.78	C488563																		
FO	70																94.43	97.15	2.72	C488564																	
																	97.15	98.23	1.08	C488565																	
		88.33	91.02	2.69					Dk GN LA QZ Bi Chl (HiMg) CAR schist with intermixed GNE Mx + Gy Qz La								98.23	102.80	4.57	C488566																		
									89.00-89.30								102.80	105.87	3.07	C488567																	
FO	70								Mixed + folded GNE QMBC schist ; with speckeled								105.87	107.81	1.94	C488568																	
FA	68								89.70-89.78 MuPy								107.81	110.49	2.68	C488569																	
C	77								89.78-89.90 GNE								110.49	114.03	3.54	C488570																	
																	114.03	115.71	1.68	C488571																	
C	35	91.02	91.77	0.75		GNE			Chl Mu Qz GNE ; WA + DR GN																														
		91.77	92.53	0.76		Mvol			Dk GN AND? Hi Mg Chl Mu schist ; with Fx ALT to CY gives spotted appearance.																														
		92.53	94.42	1.89		Mixed			Intermixed folded CAL SER GNE + QMuBi schist - CM ; F-M interstitial PY assoc with interla Mu																														
FO	50																																				
		94.42	97.24	2.82		Chl-GNE			QZ Chl SER folded GNE ; Gy Gn + Wa ; F interla flecks or PY																														
FO	63																																				
		97.24	98.23	0.99	QMBSch				DK Gn gritty car hi mg chl Mu schist with smx PY 25% occurring as coarse clasts																														
FO	65																																				

PROPERTY: Mor **HOLE:** MR-07-02

LITHOLOGY										ALT.			MINERALS				SAMPLES							Blocks			GEOTECHNICAL						JOINTS					
Struct.																											REC		RQD								
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:								From (m)	To (m)	Interval (m)	Sample				From (m)	To (m)	Intvl. (m)	(m)	Percent	(m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling
		98.23	103.12	4.89		GNE			DK GN + WH folded GNE with sports of DK GN Chl + F-M interbanded PY ; unit is strongly MAG + bears red HEM alt on FR. Surfaces																													
FO	47																																				
C	60	103.12	104.91	1.79		MxSx			Dk GN - BK + WH wispy GY frag? Qz rhy schist? Unit is smx with PY + MOD Mag. with wisps of Mg PY occurs along 80 degrees fabric ; dirty RHY TUFF? Unit is Chl alter with CY on surfaces ; SMX Py																												
									103.12-104.48																												
		104.91	105.59	0.68					GY schist Chl gouge with strong flecks of PY ; GY color due to Sx cutting ; unit is MED DK GN Chl alt schist gouge																													
		105.59	107.84	2.25					same as previous RHY TUFF unit.																												
		107.84	113.98	6.14					Chl Dk GN Q Mu schist with local GNE sections +QZ lenses + local 5 cm sections of SER PY TUFF RHY ; unit is W-F interla PY ; GNE sections are II + sinusoidally folded																												
FO	48																																				
FO	80																																				
FO	66	113.98	125.02	11.04		GNE			BK + WH REG. foliated GNE with occ. Parallel bands of Qz ; unit is weakly Chl ALT; LA interbanded CAR occurring 80 to C/A																													
FO	75																																				
		125.02	134.15	9.13					Interbedded sediments ; sed cycle regularly bedded with alternating speckeled QMBC schist QTE + SLT ; tw-w interbedded PY ; Last 77cm unit becomes BK thinly LA Qz Bi Mu schist with interbedded Qz lenses.																													
BD	80																																				
		134.15	158.88	24.73		GNE			BK + WH Qz Bi Chl CAR SCH with Phyric Qz eyes + lenses; occ. Contact + Fr. Filling gouge ; unit is M.S. carbonaceous; unit becomes w inter FO with SER at FW																													
		158.88	163.68	4.80					Folded GNE ; purple GN + WH with local bands of folded Qz + local Chl.																													
LA	60																																				
		163.68	164.79	1.11					LST GNE transition																													
		164.79	166.73	1.94					LST - massive WH + CAR ; contact marked by Chl.																													
C	60																																				
		EOH	166.73																																			

PROPERTY: Mor **HOLE:** MR-07-02

Struct.		LITHOLOGY								ALT.			MINERALS				SAMPLES							Blocks			GEOTECHNICAL						JOINTS					
																											REC		RQD									
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:								From (m)	To (m)	Interval (m)	Sample				From (m)	To (m)	Intvl. (m)	(m)	Percent	(m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	