

# DRILLING RECORD

SCHEME: <i>GREAT LAKE NORTH</i>	POSITION	CO-ORDINATES: E	N.	HOLE No. <b>5032</b>	
LOCATION: <i>HEADRACE OUTLET LAYOUT 'B'</i>		ON LINE: $\frac{N'}{136}$	BEARING: $0^{\circ}0'$		AT CH.
POSITION PLOTTED ON DRAWING No.:	LEVEL	FROM STN. <i>N1</i>	BEARING $178^{\circ}06'$	DIST. <i>246'</i>	
DATES: (a) DRILLED: <i>8-11-55</i> (b) WATER TABLE: <i>-56</i>		SURFACE	FORMATION:	WATER TABLE:	
METHOD USED: <i>DD.</i> DIAMETER:	INCL.	<i>3191.5</i>	<i>TALUS, CLUAN &amp; ROSS.</i>		
SITE REMARKS:		HOLE DRILLED:	DEPRESSION ANG.:	INCL BEARING:	
		VERT/HOR LINE			SHEET 1 OF 6 SHEETS

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
3190	0			Δ Δ			0-289': [0-39': TALUS (DOLERITE BOULDERS IN CLAY)]
	5	x		Δ Δ			0-19': DOLERITE BOULDERS 40% (TO 6" IN LENGTH)
	10	x		Δ Δ			
3180	15	x		Δ Δ			
	20	x		+	+		19-26': BOULDER.
3170	25	x		+	+		
	30	x		Δ Δ			26-32': DOLERITE BOULDERS 40% OF TOTAL TALUS
3160	35	x		Δ Δ			
	40	x		Δ Δ			32-55': DOLERITE BOULDERS 70% OF TOTAL TALUS
	45	x		Δ Δ			
3150	50	x		Δ Δ			
	55	x		Δ Δ			
	55	x		Δ Δ		SOME LOSS	55-56': CLAY
3130	60	x		+	+		56-59': DOLERITE BOULDERS 40% OF TOTAL TALUS
	65	x		+	+		59-67': BOULDER.
	70	x		Δ Δ			67-70': DOLERITE BOULDERS 70% OF TOTAL TALUS
3120	75	x		+	+	LOSS	70-75': BOULDER.
	80	x		Δ Δ			75-86': DOLERITE BOULDERS 70% OF TOTAL TALUS.
3110	85	x		Δ Δ			CAVING BADLY AT 80'
	90	x		+	+		86-101': BOULDER.
3100	95	x		+	+		
	100	x		+	+		

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LOCATION: <b>HEADRACE OUTLET - LAYOUT B</b>		ON LINE	BEARING	AT CH.	
POSITION PLOTTED ON DRAWING No.:	LEVEL	FROM STN.	BEARING	DIST.	FILE No.
DATES: (a) DRILLED: <b>8-11-56</b> (b) WATER TABLE: <b>-56</b>		SURFACE	FORMATION	WATER TABLE:	
METHOD USED:	INCL.	<b>3191-5</b>			SHEET <b>2</b> OF <b>6</b> SHEETS
DIAMETER:		HOLE DRILLED:	DEPRESSION ANG.:	INCL BEARING:	
SITE REMARKS:		VERT/HOR/INC:			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
			0.2 0.4 0.6 0.8 1.0				
3090	100'	x		Δ Δ			101'-114': DOLERITE BOULDERS 40% OF TOTAL TALUS.
		x		Δ			
	105'	x		Δ Δ			
		x		Δ			
3080	110'	x		Δ Δ			
		x		Δ			
	115'	x		Δ Δ			114'-130': DOLERITE BOULDERS 70% OF TOTAL TALUS.
		x		Δ			
	120'	x		Δ Δ			
		x		Δ			
	125'	x		Δ Δ			
		x		Δ			
3060	130'	x		+ +			130'-142': DOLERITE BOULDER 100%
		x		+			
	135'	x		+ +			
		x		+			
3050	140'	x		+ +			142'-164': DOLERITE BOULDERS 50% OF TOTAL TALUS
		x		Δ			
	145'	x		Δ Δ			
		x		Δ			
3040	150'	x		Δ Δ		1/3	
		x		Δ			
	155'	x		Δ Δ			
		x		Δ			
3030	160'	x		Δ Δ			
		x		Δ			
	165'	x		+ +			164'-186': DOLERITE BOULDER 100%
		x		+			
3020	170'	x		+ +			
		x		+			
	175'	x		+ +			
		x		+		Less	
	180'	x		+ +		x	
3010	185'	x		+ +			
		x		Δ			
	190'	x		Δ Δ			186'-209' DOLERITE BOULDERS 30% OF TOTAL TALUS.
3000	195'	x		Δ			HOLE CAVING 191'6" - 207'6"
		x		Δ Δ			→ sample 29-11-57
	200'	x		Δ			
		x		Δ Δ			



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LOCATION: - HEADRACE OUTLET - LAYOUT 'B'		ON LINE:	BEARING:	AT CH.	
POSITION PLOTTED ON DRAWING No.:		FROM STN.:	BEARING:	DIST.	FILE No.
DATES: (a) DRILLED: 8-11-55 30-5-56 (b) WATER TABLE	LEVEL	SURFACE	FORMATION:	WATER TABLE:	SHEET 4 OF 6 SHEETS
METHOD USED: D.D. DIAMETER:		3191-5	TALUS, CLWAN ROSS.		
SITE REMARKS:	INCL.	HOLE DRILLED:	DEPRESSION ANG.:	INCL BEARING:	
		VERT. HORING:	—	—	

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
2890	300'						
	305'						
2880	310'						
	315'						→ sample 23.4.57
2875	318'			△ △ △			316'8" - 318'6": CONTACT DOLERITE FRAGMENTS.
2870	320'						318'6" - 330'1": ALTERNATIONS OF WHITE MEDIUM QUARTZ S.S. AND TOUGH GREY SHALE (BANDS 1" TO 10")
	325'						CORE LOSS 321'9" - 321'11", 322'3" - 322'9", 325' - 326'6"
2860	330'						
	335'						
	340'						336'1" - 380'8": MEDIUM COARSE QUARTZ FELSPATH SANDSTONE
2850	345'						
	350'						→ sample 25.6.56
2840	352'						352' - 352'5" GREY SHALE
	355'						
2830	360'						
	365'						368'8" - 375'8" FEW SMALL CLAY PELLETS IN S.S.
2820	370'						
	375'						375'8" - 376'10" LARGE CLAY PELLETS AND FELSPAR FRAGMENTS
2810	380'						378'9" DISTURBED SEDIMENTS
	385'						380'2" - 383': GREEN-YELLOW WEATHERED SHALE
	388'						383' - 383'10": PURPLE MOTTLED SHALE.
	390'						383'10" - 384'9": PENCIL BANDED MICA SILTSTONE.
2800	384'9"						384'9" - 385'5": PURPLE MOTTLED SHALE.
	385'5"						385'5" - 391'5": PENCIL BANDED SILTSTONE AND MOTTLED SHALE
	391'5"						391'5" - 405': DARK GREY MICA SHALE WITH SLUMPS, SLICKENS
	400'						

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LOCATION: <b>HEADRACE OUTLET - 'LAYOUT B'</b>		ON LINE.	BEARING.	
POSITION PLOTTED ON DRAWING No.:	LEVEL	FROM STN.	BEARING.	FILE No.
DATES: (a) DRILLED: <b>8-11-55</b> (b) WATER TABLE: <b>30-5-56</b>		SURFACE	FORMATION.	
METHOD USED: <b>DD.</b> DIAMETER:	INCL.	<b>3191.5</b>	TALUS, CLUAN ROSS	SHEET <b>5</b> OF <b>6.</b> SHEETS
SITE REMARKS:		HOLE DRILLED.	DEPRESSION ANG.	
		VERT/HOR/INC.		

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
2790	0		0.2 0.4 0.6 0.8 1.0				
	405	*					405-410: FEW PIECES OF BLACK PENCILLED SILTSTONE HIGH CORE LOSSES
2780	410	*					410-413.9: DARK GREY SHALE & PLANT FRAGS
	415	*					413.9-416: FEW PIECES OF PENCILLED SILTSTONE 416-416.9: DK GREY SHALE AND SILTSTONE IN IRREG. MASSES.
2770	420	*					416.9-420: FINE WHITE SANDSTONE & DK GREY PENCILS. 420-425: SHALE AND SILTSTONE MAINLY PURPLE MOTTLED
	425	*					425-429.6: DARK GREY MICA SHALES & WHITE FINE SS BANDS
2760	430	*					429.6-435.1: YELLOW WEATHERED QUARTZ SS. MEDIUM GRAIN CROSS BEDDING
	435	*					435.1-443: DARK GREY-GREEN SHALES PURPLE MOTTLED AND SILT BANDED
2750	440	*					443-449 DARK GREY SHALE WITH FINE WHITE SS PENCILS 448: 1" OF DISTURBED SEDIMENT SHALE IN SS
	445	*					449-457.3" DARK GREY SHALE WITH SILTSTONE BANDS
2740	450	*					457.3-458.9" (AS FOR 443-449)
	455	*					458.9-473.3: YELLOW WEATHERED QUARTZ SS. MEDIUM GRAIN
2730	460	*					467-468: COARSER GRAINED SS.
	465	*					473.3-493.4: FRESH LIGHT GREY FINE MICA SS, WITH BLACK PENCILS
2720	470	*					487.9-492.11: YELLOW WEATHERED
	475	*					493.4-497.2: DARK GREY MICA SILTSTONE
2710	480	*					495.9-496: DISTURBED SEDIMENTATION (SHALE/SS)
	485	*					497.2-497.11: DARK GREY SHALE
2700	490	*					497.11-499.7: DISTURBED SEDIMENTATION-WHITE SS/BLACK SHALE
	495	*					
	500	*					

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SCHEME:- GREAT LAKE NORTH	POSITION	CO-ORDINATES	E	N:	HOLE No <b>5032</b>
LOCATION:- HEADRACE OUTLET - LAYOUT B		ON LINE	BEARING	AT CH.	
POSITION PLOTTED ON DRAWING No.:	LEVEL	FROM STN.:	BEARING	DIST.:	FILE No
DATES: (a) DRILLED: 8-11-55 30-5-56 (b) WATER TABLE:		SURFACE	FORMATION:	WATER TABLE:	
METHOD USED: D.D.	INCL.	DIAMETER:	3191.5	TALUS, CLUAN ROSS	SHEET <b>6</b> OF <b>6</b> SHEETS
SITE REMARKS:		HOLE DRILLED:	DEPRESSION ANG.:	INCL BEARING:	
		VERT/HOR/INC:			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
2690	0						499'7" - 504'2": DARK GREY MICA SHALE IMPERFECT PARTING
2687	2687						503'2" - 503'5": WHITE SS. BAND
505	505						504'2" - : LIGHT GREY FINE GRAINED PENCIL BANDED SS.
2680	510						508 - 508'7": GREY SHALE
	515						510'9 - 511'3": GREY SHALE
	520						512'10 - 514'2", 514'8" - 520'6": YELLOW WEATHERED
2670	520						
	525						
2660	530						
	535						
2650	540						
	545						547': CLAY PELLET
2640	550						
	555						
2630	560						
	565						
2620	570						572'6 - 573 DARK MINERAL LAYER.
	575						
2610	580						
	585						
2600	590						592': HOLE COMPLETED
	595						LOGGING: J.B.A. MCK
	600						12-6-56