

# DRILLING RECORD

*approx*

SCHEME: <b>GREAT LAKE NORTH</b>	POSITION	CO-ORDINATES: E. <i>479,167yd</i>	N. <i>851,024yd</i>	HOLE No. <b>5019</b>
LOCATION: <b>HEADRACE — LAYOUT 'A'</b>		ON LINE: BEARING:	AT CH.	
POSITION PLOTTED ON DRAWING No.:		FROM STN.: BEARING:	DIST.	
DATES: (a) DRILLED:                      (b) WATER TABLE	LEVEL	SURFACE: <b>3554</b>	FORMATION:	WATER TABLE:
METHOD USED: <b>DD.</b> DIAMETER: <b>NX, Bx.</b>				
SITE REMARKS: <b>FOOT OF DOLOERITE CLIFFS</b>	INCL.	HOLE DRILLED:	DEPRESSION ANG.:	INCL. BEARING:
		VERT/HOR/INC:		

SHEET  
**4**  
OF  
**6**  
SHEETS

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	300'						
	305'						
	310'						
	15'						
	320'						<b>318-343': VERY BROKEN, ROUNDED, WEATHERED, OVERDRILLED, DOLOERITE.</b>
	25'						
	330'						
	35'						
	340'						
	45'						<b>343-364: CLOSELY SHATTERED DOLOERITE.</b>
	350'						
	55'						
	360'						
	65'						<b>364-366': BROWN, FINE GRAINED "CONTACT" DOLOERITE.</b>
	370'						<b>366-381: LIGHT GREY SHALE, SHATTERED, VERY POOR RECOVERY.</b>
	75'						
	380'						<b>381 Sampled J. Collinson OHIO STATE 316180</b>
	85'			•••••			<b>381-383: LIGHT GREY FINE GRAINED SANDSTONE.</b>
	390'			/ / / / /			<b>383-396: SHALE AND SILTSTONE BEDDING 60° TO AXIS OF HOLE.</b>
	95'			•••••			
	396'			-GY-GH			<b>396-397: MEDIUM GRAINED, MID-GREY, FELSPATH SS &amp; MICA</b>
	400'						<b>397-403: MID GREY-GREEN SHALE.</b>

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SCHEME:-		POSITION	CO-ORDINATES	E	N	HOLE No 5019
LOCATION:-			ON LINE	BEARING:	AT CH.	
POSITION PLOTTED ON DRAWING No.			FROM STN.	BEARING:	DIST	
DATES: (a) DRILLED		LEVEL	SURFACE	FORMATION:	WATER TABLE:	FILE No
(b) WATER TABLE			3554			
METHOD USED:		INCL.	HOLE DRILLED:	DEPRESSION ANG.:	INCL BEARING:	SHEET 5 OF 6 SHEETS
DIAMETER: Nx TO Bx.			VERT/HOR/INC.			
SITE REMARKS:						

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	400						
	405						403-406': MID GREY SILTSTONE - MICA, FELSPAR
	410						406-412': DARK GREY-GREENISH SHALE WITH "WOODY" FRACTURE 412-414': BANDED CREAM AND BLACK SANDSTONE, SHALE
	415						414-432': MID GREY FAINTLY AND UNEVENLY BANDED FELSPATHIC SANDSTONE, SILTSTONE, SHALE.
	420						415' Sampled J. Collinson OHIO STATE 3/6/80
	425						
	430						432-437': LIGHT GREY MEDIUM GRAIN FELSPATH SS.
	435						433' Sampled J. Collinson OHIO STATE 3/6/80
	440						437'-438': RIBBON BLACK AND CREAM SANDSTONE, SHALE 438-439': MID GREY-GREEN SHALE
	445						439-442': MID-GREY FELSPATHIC SANDSTONE (FINE GR.) (CLAY PELLETS)
	450						442-443': MID GREY SHALE 443-457': MID GREY FELSPATH SS WITH CLAY PELLETS AND MICA
	455						
	460						457-461': DARK GREY SHALE (Clay?) 462' Sampled J. Collinson OHIO STATE 3/6/80
	465						461-463': MID GREY, MEDIUM GRAIN, FELSPATH, SS & MICA 463'-465': DARK GREY SHALE
	470						465'-469': MID GREY, FINE GRAINED FELSPATH SS & MICA 469'-471': MID GREY MEDIUM " " " " "
	475						471-478': DARK GREY SHALE
	480						478-494': MEDIUM GRAINED FELSPATHIC SS & MICA 482' Sampled J. Collinson OHIO STATE 3/6/80
	485						
	490						
	495						494'-497': DARK GREY SHALE
	500						497-501': MEDIUM GRAINED GREY-GREEN FELSPATH SS & BLACK MICA AND PLANT FRAGMENTS

# DRILLING RECORD

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LOCATION:- HEADRACE - LAYOUT 'A'			ON LINE	BEARING	AT CH.	
POSITION PLOTTED ON DRAWING No.			FROM STN.	BEARING	DIST	FILE No.
DATES: (a) DRILLED:		LEVEL	SURFACE	FORMATION	WATER TABLE	SHEET <b>6</b> OF <b>6</b> SHEETS
(b) WATER TABLE			<b>3554</b>			
METHOD USED:		INCL	HOLE DRILLED:	DEPRESSION ANG.	INCL BEARING:	
DIAMETER: Nx To Bx.			VERT/HOR/INC			
SITE REMARKS:						

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
500			02 04 06 08 10				501'-502': DARK GREY SHALE WITH PLANT FRAGMENTS
505							502'-509'9": FINE GRAINED GY-GREEN FELSPATH SS/ST.
510							509'9"-518': MEDIUM GRAINED GREY-GREEN FELSPATH SS
515							515' Sampled J. Collinson OHIO STATE 3/6/80
520							518-533': RIBBON BLACK SHALE >> MIDGREY ST/SS.
525							
530							
535							533-537': MEDIUM-COARSE FELSPATH SS, MICA, 535' Sampled J. Collinson OHIO STATE 3/6/80 QUARTZ LIGHT GREY GREEN
40							537-540': MIDGREY GREEN ST & BANDS DK GREY SHALE
45							540-540'6": HARD MIDGREY QUARTZ-FELSPATH SS.
50							540'6"-547': GREY-GREEN SHALE cf 537'
55							547-550': GREY BROWN SILTSTONE & PLANTS & MICA
60							550'-553': FEW FRAGMENTS OF TOUGH QUARTZ FELSPATHIC SS.
65							553'-554'3": BROWN GREY SANDSTONE & CLAY PELLETS, COAL
70							554'3"-560': POOR RECOVERY GREY GREEN SILTSTONE AND SANDSTONE.
75							560'-561': COARSE QUARTZ, FELSPAR SS (TOUGH)
80							561-565': DARK GREY GLAUC SHALES.
85							565-568'6": FINE GRAIN BROWN-GREY FELSPATH SS (ST)
90							568'6"-572': MIXED SEDIMENTS- CLAY PELLETS, SHALE FRAGMENTS IN FELSPATHIC SS.
95							572-580': WHITE MEDIUM COARSE SANDSTONE FELSPAR AND QUARTZ.
100							578' Sampled J. Collinson OHIO STATE 3/6/80
							580-583'6": DARK GREY SHALE
							583'6"-585: GREY GREEN FELSPATHIC SANDSTONE
							585' Sampled J. Collinson OHIO STATE 3/6/80
							585-600': DARK GREY SHALE
							590': HARD SANDSTONE FRAGMENTS
							HOLE COMPLETE 600'

*JBA McKelvey 30-7-56*