

# DRILLING RECORD

SCHEME - GREAT LAKE POWER DEVELOPMENT	POSITION	CO-ORDINATES	E 484. 0140	N. 851. 2108	HOLE No
LOCATION: Tailrace Tunnel		ON LINE	BEARING	AT CH.	5113
POSITION PLOTTED ON DRAWING No.	LEVEL	FROM STN.	BEARING	DIST.	FILE No.
DATES: (a) DRILLED: (b) WATER TABLE		SURFACE	FORMATION	WATER TABLE:	
METHOD USED: D.D. DIAMETER.	INCL	973	Creekton, Woodside Kopanica, Flattop		SHEET 1 OF 4 SHEETS
SITE REMARKS.		HOLE DRILLED	DEPRESSION ANG.	INCL BEARING.	
		VERT. HOR. INC.			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
973			0.2 0.4 0.6 0.8 1.0				
	0						0-35' OVERBURDEN Clay sand and boulders mainly dolomite but some sandstone and conglomerate
	5						
	10						
	15						
	20						
	25						
	30						
	35						35-45'3" CREEKTON 35-45'3" dark grey medium worm cast quartz sandstone, fresh
	40						
	45						45'3"-79'3" WOODSIDE light grey current bedded quartz sandstone with black micaceous current beds of siltstone.
	50						
	55						Coarse sandstone at 54' 54-79'3" massive with few black partings or current beds. Fine bed. at 61'5"-62'
	60						
	65						lost water 64'6" (Driller)
	70						
	75						
	80						79'3"-89' KOPANICA Block siltstone with grey sandstone current beds. coarse to black sandstone at 85'6"
	85						
	90						89'-116' FLATTOP Worm cast then at 90' current bedded light grey sandstone with black partings - bedding finer than similar formation above - medium grained
	95						
873	100						

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LOCATION— Tailrace Tunnel		ON LINE	BEARING.	AT CH.	
POSITION PLOTTED ON DRAWING No.	LEVEL	FROM STN.	BEARING.	DIST.	FILE No.
DATES: (a) DRILLED.		SURFACE	FORMATION	WATER TABLE	SHEET <b>2</b> OF <b>4</b> SHEETS
METHOD USED: D. D. DIAMETER	<b>973</b>	<i>Flattop Macrae.</i>			
SITE REMARKS:	INCL.	HOLE DRILLED	DEPRESSION ANG.	INCL. BEARING.	
		VERT. HOR. INC.			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
873	10'		0.2 0.4 0.6 0.8 1.0				
	5'				v/		
	110'						
	15'						
	120'				v/		116-248' MACRAE
	25'				v/		<i>Dark grey fine dirty sandstone and mudstone top 3" current bedded with light grey sandstone beds. bedding disturbed.</i>
	130'						
	35'				30/ 45/		Complete loss of water 157'
	140'				v/		
	45'						
	150'				45/ Co 45/ v/		148'-148'6" limy band
	55'				Co v/		153'7"-154'2" limy band
	160'				v/		
	65'						
	170'				45/		
	75'				70/ v/		161'7"-162'3" limy band
	180'				60/		
	85'				70/		
	190'				80/		
	95'				70/		
773	200'						<i>Stenopora.</i>

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LOCATION: <b>Tailrace Tunnel</b>			ON LINE	BEARING	AT CH.	
POSITION PLOTTED ON DRAWING No.:		LEVEL	FROM STN.	BEARING	DIST.	FILE No.
DATES: (a) DRILLED:                      (b) WATER TABLE			SURFACE	FORMATION	WATER TABLE	
METHOD USED: <b>D. D.</b> DIAMETER:		INCL	<b>973</b>	<b>Macrae Billop, Brumby</b>		SHEET <b>3</b> OF <b>4</b> SHEETS
SITE REMARKS:			HOLE DRILLED	DEPRESSION ANG.	INCL BEARING	

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
773	200'						
	5'				80/ 43/80		203'10" fault zone - little movement - breccia zone 1/2" thick dip 80-90°
	210'				60/ 45/		206'2" - 201'6" limestone Dark grey Mudstone
	15'						
	220'						
	75'				Co v/ 70/		223' limestone band 6" 225'9" - 226'6" black mudstone
	230'				Co v/ Co v/		229' limy band
	35'						
	240'						
	45'				Co v/ Co 10//		244'6" 1st pebble and core becomes sandier downwards to grade into pebbly sandstone at 245', matrix 248 - 261 BILLOP calcareous
	55'						
	260'						261-309'6" BRUMBY No marked limy beds
	65'						Stenopora begin at 293' with finer Bryozoans below
	270'						
	75'						No joints
	280'						
	85'						
	290'						
	95'						
673	300'						

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LOCATION: <b>Tailrace Tunnel</b>			ON LINE	BEARING	AT CH.	
POSITION PLOTTED ON DRAWING No.:		LEVEL	FROM STN.	BEARING	DIST.	FILE No
DATES: (a) DRILLED:                      (b) WATER TABLE			SURFACE	FORMATION	WATER TABLE:	
METHOD USED: <b>D.P</b> DIAMETER:		INCL.	<b>973</b>	<b>Brumby</b>		SHEET
SITE REMARKS:			HOLE DRILLED	DEPRESSION ANG.	INCL. BEARING:	<b>4</b>
		VERT/HOR:INC			<b>OF</b>	
					<b>4</b>	
					<b>SHEETS</b>	

TUNNEL

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
673	300						
	5'						
	310'						95' 309'6" - QUAMBY
	15'						96' 313' disturbed bedding
	320'						314'4" pebbles 1" diam fossils
	25'						319'9" pebble band fossils, core loss on near V joint
	330'						70' 321' pebble 1"
	35'						321-331 no pebbles but fossils, Bryozoans
	330'						530-350 Water loss 6.2 galls/min at 50 p.s.i.
	35'						331' pebble band 3", fossils, 2" diam.
	340'						333' pebble 12" diam. 333'6" pebble band 2"
	45'						334'4" pebble band 2" 335'4" pebble band 6"
	623						336'5" pebble 1/2" 337'4" pebble band 2"
	350'						337'10" pebbles 2" in 6" band, fossils 339-340' pebbles 2", f
	55'						342'3" pebbles 1" in 3" band, fossils 342'10" band 1/2" dia. f.
	60'						limy matrix 342-348 scattered pebbles 1/4"
	65'						and fossils
	70'						348'10" - 349'5" pebble band fossils
	75'						349'5" End of Hole.
	80'						
	85'						
	90'						
	95'						