

# DRILLING RECORD

AREA: <i>NEKSEY FATH POWER DEVELOPMENT</i>	CO-ORDINATES:	E: <i>428.1872</i>	N: <i>868.1993</i>	HOLE No.
LOCATION: <i>FISHER SCHEME TUNNEL - OFFSET LINE.</i>	ON LINE:	BEARING:	AT CH:	<i>5921</i>
GEOLOGICAL PLAN: SURVEY PLAN: <i>SA-426866</i>	AT STN:	BEARING:	DIST:	FILE No.
DATES (a) DRILLED: <i>July - Nov. 1966</i>	LEVEL:	SURFACE	COLLAR	WATER TABLE
METHOD: <i>J.D.</i> DIAMETER: <i>No. 7, NX, 8X, AX, TX</i>	INCL.:	<i>2775</i>		
SITE REMARKS: <i>Hole drilled in pro-talus ridge below Tiers Escarpment.</i>	HOLE DRILLED	ANGLE FROM HORIZONTAL	DIRECTION	SHEET 1 OF 6 SHEETS
	<del>VERT. / HOR. / INC.</del>	<i>90°</i>		

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY	GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
0										
5										
10										
15										
20										
25										
30										
35										
40										
45										
50										
55										
60										
65										
70										
75										
80										
85										
90										
95										
100										

No. 4

6" - 30"

1-14"

3-18" NX

7-5"

grey





















water test

0-104'2" Dolomite scree and talus composed of massive, hard, dark grey medium grained dolomite showing weathered surfaces and decomposed or weathered joints. Core log probably represents dolomite clay. Bedrock possibly at 104'2", definitely at 166'7"

# DRILLING RECORD

AREA: <i>HERSEY FORTH RIVER DEVELOPMENT</i>		CO-ORDINATES: E: <i>428.1872</i> N: <i>868.1993</i>		HOLE No.
LOCATION: <i>FISHER SUSHIE TUNNEL - OFFSET LINE</i>		ON LINE:	BEARING:	AT CH: <i>5921</i>
GEOLOGICAL PLAN: SURVEY PLAN: <i>SA-426866</i>		AT STN:	BEARING:	DIST:
DATES (a) DRILLED: <i>July - Nov. '66</i> (b) WATER TABLE:		SURFACE	COLLAR	WATER TABLE
METHOD: <i>DD</i> DIAMETER: <i>16 7/8, 11, 8 1/2, 4 1/2</i>				
SITE REMARKS:		HOLE DRILLED	ANGLE FROM HORIZONTAL	DIRECTION
		VERT. / HOR. / INC.	<i>90°</i>	

SHEET  
2  
OF  
6  
SHEETS

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY	GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
0			<i>11</i>							
5			<i>8 1/2</i>							
10										
15										
20										
25										
30										
35										
40										
45										
50										
55										
60										
65										
70										
75										
80										
85										
90										
95										
100										

*107.2' - 397' Medium grained, hard, dark grey dolerite generally broken up and often decomposed. Large core lags probably dolerite clay. Occasionally longer sticks recovered as at 198' - 203'. Bedrock doubtful at 107.2' possibly only recovered below 166' - talus / bedrock junction difficult to determine.*



# DRILLING RECORD

AREA: <i>HERSEY FORTH POWER DEVELOPMENT</i>		CO-ORDINATES: E: <i>428.1872</i> N: <i>868.1993</i>	HOLE No. <i>5921</i>
LOCATION: <i>FISHER SCHEME TUNNEL - OFFSET LINE.</i>		ON LINE: BEARING: AT CH.	FILE No.
GEOLOGICAL PLAN: SURVEY PLAN: <i>S4-426866</i>		AT STN: BEARING: DIST:	
DATES (a) DRILLED: <i>July - Nov. '66</i> (b) WATER TABLE:		SURFACE COLLAR WATER TABLE	SHEET <i>4 OF 6</i>
METHOD: <i>S.D.</i> DIAMETER: <i>No. 4, 1 1/2, 5/8, AXI.</i>		HOLE DRILLED ANGLE FROM HORIZONTAL: DIRECTION:	
SITE REMARKS: <i>Hole drilled in pro-folia ridge below Tiers to Seapoint.</i>		VERT/HOR/INC: <i>90°</i>	SHEETS

DEPTH	CORE DRAWN	CORE LENGTH	RECOVERY	GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
0									
5									
10									
15									
20									
25									
30									
35									
40									
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									
100									

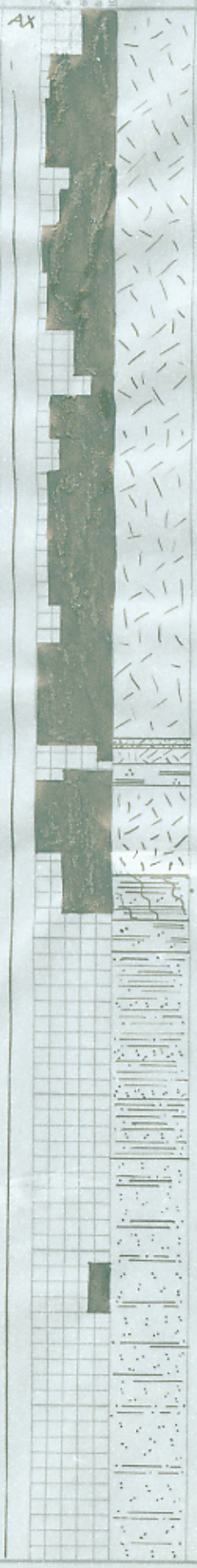
Generally fragmented, see A 7

A 8

2" frag.

1-8"

A 17



Tiers very coarse.

347'11" - 347'5" Black medium - fine grained dolomite.

347'5" - 347'9" Fragments of light brown argillite and hard dense sandstone.

347'9" - 348'5" Dark grey medium grained dolomite.

348'5" - 350'2" Fragments of quartzite, mudstone (argillite?) and dolomite set in light brown clay matrix.

350'2" - 354'4" Small recovery of black dolomite.

354'4" - 358'8" Pebbles and small fragments of dolomite, baked sandstone and argillite. Dolomite base 356'?

358'8" - 360'8" medium grained grey sandstone with very thin black silty partings.

371-372 boxed sample taken

360'8" - 374'1" Black very fine grained siltstone with thin partings of sandstone up to 3" thick.

376'3" - 376'8" boxed sample taken.

388'11" - 389' boxed sample of interbedded thin black siltstone and grey sandstone.

374'1" - 438' Hard, medium to coarse grained grey to light brown sandstone, occasionally gritty, showing black, thin silty partings and occasional bands of black fine grained siltstone-mudstone up to 12" thick but generally much less.

# DRILLING RECORD

AREA: <i>MERSEY RORTH POWER DEVELOPMENT</i>	CO-ORDINATES:	E: <i>425.1572</i>	N: <i>868.1993</i>	HOLE No.
LOCATION: <i>FISHER SCHEME TUNNEL - OFFSET LINE.</i>	ON LINE:	BEARING:	AT CH:	5921
GEOLOGICAL PLAN:	SURVEY PLAN: <i>54-426866</i>	AT STN:	BEARING:	DIST:
DATES (a) DRILLED: <i>July - Nov. 66</i>	(b) WATER TABLE:	SURFACE	COLLAR	WATER TABLE
METHOD: <i>D.D.</i>	DIAMETER: <i>No. 4, NX, 8X, AX</i>	LEVEL:		
SITE REMARKS: <i>Hole drilled in pro-talus ridge below Tiers Escarpment.</i>		HOLE DRILLED	ANGLE FROM HORIZONTAL	DIRECTION
		VERT/HOR/INC.	90°	SHEET 5 OF 6 SHEETS

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY				GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
				20	40	60	100						
0			AX										
5									/				<i>40'2" - 40'10" Boxed sample - black mudstone.</i>
10									/				
15									/				<i>407' - 407'6" Boxed sample - grey medium grained sandstone.</i>
20									/				<i>414' - 414'10" So Boxed sample - Grey sandstone with black siltstone partings up to 1/2" wide.</i>
25									/				
30									/				
35									X				<i>438' - 521' Black fine grained siltstone trending to mudstone with occasional larder coarser bands containing quartz pebbles as at 459, 485'3" &amp; 496'8". Joints sparse, tight, occasional thin calcareous partings common below 480'. Below 509' bands 6" - 12" wide of soft black mudstone appear.</i>
40									/				
45									/				<i>439'5" - 439'10" Boxed sample of black mudstone with silty partings.</i>
50									/				
55									/				
60									/				<i>460'5" - 461" Boxed sample of black siltstone with pebbles?</i>
65									/				<i>466'8" - 467'2" Boxed sample of black fine grained siltstone</i>
70									/				<i>470'4" - 470'10" "</i>
75									/				<i>472'10" - 473'5" "</i>
80									/				<i>475'2" - 475'9" "</i>
85									/				<i>478'4" - 478'11" "</i>
90									/				
95									/				
500									/				

*2 1/2" Compactly Closer, weekly drilling bands.*

# DRILLING RECORD

AREA: <i>MERSEY FORTH POWER DEVELOPMENT</i>	CO-ORDINATES: E. <i>428.1872</i>	N. <i>865.1993.</i>	HOLE No.
LOCATION: <i>FISHER SCHEME TUNNEL - OFFSET LINE</i>	ON LINE: BEARING: AT CH		<i>592/</i>
GEOLOGICAL PLAN: SURVEY PLAN: <i>S4-426866.</i>	AT STN: BEARING: DIST:		FILE No.
DATES (a) DRILLED: <i>July - Nov. 1966</i>	SURFACE COLLAR WATER TABLE		
METHOD: <i>J.S.</i> DIAMETER: No. <i>4, NA, 8X, AX7.</i>			SHEET
SITE REMARKS: <i>Hole drilled in pro-talus ridge below Tiers Escarpment.</i>	HOLE DRILLED ANGLE FROM HORIZONTAL DIRECTION		<i>6</i>
	VERT./HOR./INC. <i>90°</i>		<i>OF 6 SHEETS</i>

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY	GRAPHIC LOG	JOINTS No Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
50'										
55'										
10'										
15'		<i>1-6"</i>								
20'										<i>521'-529'5" Black fine grained silty sandstone with occasional pebbles of quartzite up to 1"</i>
25'										<i>529'5" - 534' Dark grey silty fine grained conglomerate &amp; light grey quartzite conglomerate. Rock generally hard, pebbles of quartzite and schistose quartzite up to 2", generally rounded - sub-rounded, occasionally angular.</i>
30'		<i>1-2"</i>								<i>534' - 543'5" Black fine grained silty sandstone showing occasional pebbles of quartzite 1/2"</i>
35'										
40'										
45'										<i>543'5" - 553'2" Dark grey occasionally light grey conglomerate composed of pebbles of light grey quartzite - rounded sub-rounded occasionally sub-angular - set in dark grey silty sand matrix with occasional bands of silty sand up to 6"</i>
50'										
55'										
60'										<i>553'2" - Hard grey quartzite with clay filled joints interfoliated with light green quartzose schist with clay and pyrite filled joints sub-parallel to core axis.</i>
65'										
70'										
75'										
80'										
85'										<i>Hole completed.</i>
90'										<i>Logged by G.E. Rawlings</i>
95'										<i>23.11.66.</i>

Joints very sparse.

Gen 3-12° Gen 1-6°