

# DRILLING RECORD

AREA: <i>Mersey-Firth Power Development</i>	CO-ORDINATES:	E:	N:	HOLE No.
LOCATION: <i>Parangana Dam site.</i>	ON LINE: <i>BM 3257</i> <i>BURGESS Δ</i>	BEARING: <i>0°00'</i>	AT CH:	<i>578x</i>
GEOLOGICAL PLAN: <i>A 8777</i> SURVEY PLAN: <i>5419:873</i> <i>542.008730</i>	AT STN: <i>BM 3267</i>	BEARING: <i>26°14'</i>	DIST: <i>205'</i>	FILE No.
DATES (a) DRILLED: <i>Dec 6x.</i> (b) WATER TABLE:	SURFACE	COLLAR	WATER TABLE	
METHOD: <i>DD.</i> DIAMETER: <i>N<sub>4</sub> NX, BX.</i>		<i>1132</i>		
SITE REMARKS: <i>Scaffolding (10') in River bed.</i>	HOLE DRILLED	ANGLE FROM HORIZONTAL	DIRECTION	SHEET / OF SHEETS
	VERT. HOLES	<i>90°</i>		<i>1</i> OF <i>2</i> SHEETS

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY	GRAPHIC LOG	JOINTS	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											

Scaffolding

*N<sub>4</sub>*

*NX*

*BX*

*River Bed.*

*2" Dolerite*

*6" Quartzite*

*3" Quartzite*

*Weathered Basalt?*

*10' - 19 1/2'* River gravels composed of sub-rounded to well-rounded boulders, cobbles and pebbles of dolerite and quartzite; occasional sub-angular pebbles. Dolerite to 1 1/2" and Quartzite to 3" diameter.

*19 1/2' - 32'* Drift - till composed of sub-rounded to subangular cobbles and pebbles of quartzite (to 7") and dolerite (to 8") set in a yellowish-brown clayey matrix.

*32' - 132'* Sub-angular and occasionally sub-rounded pebbles and fragments of grey quartzite set in a matrix of reddish-brown to light brown clay, sand and silt - clay predominating. Dolerite rarely seen, quartzite predominating. (to 12" diameter)

Driller reported much sand in returns below 96'. Much matrix lost below 80' probably due to drilling occasional patches of thick red clay with few fragments. (Possibly a Lake Deposit or till).

*97 1/2" - 97' 8"* Medium to fine-grained sand.

# DRILLING RECORD

AREA: <i>Messey-Forth Power Development</i>	POSITION	CO-ORDINATES: E: _____ N: _____	HOLE No. <i>5784</i>
LOCATION: <i>Parangana Dam site</i>	ON LINE: <i>BM 3257</i> <i>BURGESSA</i>	BEARING: <i>0°00'</i>	AT CH.
GEOLOGICAL PLAN: <i>A8777</i> SURVEY PLAN: <i>5419: 673</i> <i>54200 8730</i>		AT STN: <i>BM 3257</i>	BEARING: <i>26°14'</i>
DATES (a) DRILLED: <i>Dec, 64</i> (b) WATER TABLE:	LEVEL:	SURFACE	WATER TABLE
METHOD: <i>DD</i> DIAMETER: <i>No. 4, NX, 3X.</i>		<i>1132</i>	
SITE REMARKS: <i>Scaffolding in River Bed</i>	INCL.	HOLE DRILLED	ANGLE FROM HORIZONTAL
		VERT. / HOR. / INC.	DIRECTION
			SHEET <i>2</i> OF <i>2</i> SHEETS

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY	GRAPHIC LOG	JOINTS No Per Foot	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
10'0"					CAVED					<i>10'8" - 104' Medium-grained brown sand with sub-angular fragments of quartzite to 1".</i>
10'5"			<i>B</i>		1" Quartzite					
					1" Quartzite					
					1" Quartzite					
11'0"					1" Quartzite					
					1" Schist					
11'5"					12" Quartzite					
					2" Quartzite					
					1" Quartzite					
12'0"					12" Quartzite					
					4" Quartzite					
12'5"					1" Quartzite					
					1" Quartzite					
					1" Schist					
13'0"										
13'5"			<i>6"</i>							
14'0"			<i>5"</i>							<i>Hard, lightgrey, closely jointed quartzite; joints thinly coated with limonite. Dip of foliation 85°-V.</i>
14'5"			<i>4"</i>							
15'0"										
15'5"										
60'										
65'										
70'										
75'										
80'										
85'										
90'										
95'										
100'										

*Hole Completed 149' 6"*

*Logged by:  
G. Rawlings  
16.3.65.*