

DRILLING RECORD

AREA: <i>Mersey-Forth Power Development</i>	CO-ORDINATES:	E:	N:	HOLE No.
LOCATION: <i>Parangana Dam site</i>	ON LINE: <i>BM 3257</i> <i>BURGESS</i>	BEARING: <i>0°00'</i>	AT CH	<i>5774</i>
GEOLOGICAL PLAN: <i>A8777</i> SURVEY PLAN: <i>542008730</i>	AT STN: <i>BM 3257</i>	BEARING: <i>16°35'</i>	DIST: <i>404'</i>	FILE No.
DATES (a) DRILLED: <i>Nov, 64</i> (b) WATER TABLE:	LEVEL: SURFACE	COLLAR	WATER TABLE	SHEET
METHOD: <i>D.D.</i> DIAMETER: <i>NMLC</i>	<i>1196</i>	<i>1197</i>		<i>1</i>
SITE REMARKS: <i>Left abutment on dam axis.</i> <i>Talus-scrce slope.</i>	INCL. HOLE DRILLED	ANGLE FROM HORIZONTAL	DIRECTION	OF
	VERT./HOR./INC			SHEETS

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY %	GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
0										
5										<p><i>0-20'</i> Scree and talus Angular to sub-rounded quartzite pebbles; little matrix recovered; some sandy clay matrix 18'-20'.</p>
10										
15										
20										
25										<p><i>20-31'</i> Drift. Angular to sub-rounded pebbles and cobbles of dolerite and quartzite in a sandy clay matrix; high proportion of matrix recovered. 70% coarse material 30% matrix.</p>
30										
35										<p><i>31-59'</i> Periglacial Solifluction Material. Angular fragments and boulders of quartzite to 12" diameter. Little matrix recovered.</p>
40										
45										
50										
55										
60										
65										<p><i>54"-56"</i> Yellowish brown clay containing sub-rounded fragments of quartzite and dolerite(?).</p>
70										
75										<p><i>59'6"-81'</i> Drift. Boulders of dolerite in a sandy clay matrix <i>64"-65"</i> Well consolidated weathered till with sandy clay matrix. <i>67'-79'</i> Boulder of fine dolerite.</p>
80										
85										<p><i>31'-100'6"</i> Weathered hard white quartzite; weathered at joints to a fine sandy clay; closely spaced joints; dip of foliation 45°-50°.</p>
90										
95										
100										

Broken pie cos & lengths to 6"

Foliation
 45°
 45°
 50°
 6 1/1
 1/1

Hole Completed *100'6"*
 Logged by: *S.J. Paterson*
4.1.65.