

# DRILLING RECORD

SCHEME: Mersey-Forth Power Development

LOCATION: Parangana Dam site

POSITION PLOTTED ON DRAWING No 542008730

DATES: (a) DRILLED 7.3.63 (b) WATER TABLE 22.3.63

METHOD USED: P.D. DIAMETER NX, BX, AX.

SITE REMARKS:  
On talus slope on right bank between  
Geophysical pegs D6 and D7.

|          |                             |                 |               |                            |
|----------|-----------------------------|-----------------|---------------|----------------------------|
| POSITION | CO-ORDINATES                | E               | N.            | HOLE No<br>5752            |
|          | ON LINE<br>HA 140<br>HA 141 | BEARING 0°00'   | AT CH.        |                            |
| LEVEL    | FROM STN.<br>HA 140         | BEARING 148°27' | DIST 57'      | FILE No.                   |
|          | SURFACE                     | FORMATION       | WATER TABLE   |                            |
| INCL     | 1287                        |                 |               | SHEET<br>1<br>OF<br>SHEETS |
|          | HOLE DRILLED                | DEPRESSION ANG. | INCL BEARING: |                            |
|          | VERT. CORING                |                 |               |                            |

| STANDARD LEVEL | DEPTH | CORE DRAWN | RECOVERY | GRAPHIC LOG | JOINTS | WATER | WATER TESTS  | REMARKS  |
|----------------|-------|------------|----------|-------------|--------|-------|--|--|
|                | 0     |            | 0.2      | △ △ △       |        |       |  | 0-1' Talus.  |
|                | 5     |            | 0.4      | △ ○         |        |       |  | 0-18' Drift-Till and Fluvio-glacial consisting of boulders, cobbles, pebbles, sand, silt and clay. Boulders to 10" diameter predominantly of dolerite with some quartzite and schist.      |
|                | 10    |            | 0.6      | △ ○         |        |       |  |  |
|                | 15    |            | 0.8      | △ ○         |        |       |  |  |
|                | 20    |            | 1.0      | △ ○         |        |       | 18'-27'<br>Leakage<br>2.2 gals/min<br>at 75 lbs./sq. in.   |  |
|                | 25    |            |          | △ ○         |        |       | 27'-37'<br>Leakage<br>32 gals/min<br>at 75 lbs./sq. in.    |  |
|                | 30    |            |          | △ ○         |        |       |  |  |
|                | 35    |            |          | △ ○         |        |       |  |  |
|                | 40    |            |          | △ ○         |        |       | 37'-50'<br>Leakage<br>0.6 gals/min<br>at 100 lbs./sq. in.  |  |
|                | 45    |            |          | △ ○         |        |       |  |  |
|                | 50    |            |          | △ ○         |        |       | 50'-63'<br>Leakage<br>0.4 gals/min<br>at 100 lbs./sq. in.  | 18'-100'<br>Hard, light grey quartzite and mica quartzite with thin bands of schist; close to moderate jointing; joints open with thin limonite coatings throughout; dip of foliation 75°. |
|                | 55    |            |          | △ ○         |        |       |  | 41'-43' partially weathered schist with thin clay on foliation planes.   |
|                | 60    |            |          | △ ○         |        |       |  | Core in lengths to 10" and broken pieces.  |
|                | 65    |            |          | △ ○         |        |       | 63'-75'<br>Leakage<br>0.6 gals/min<br>at 100 lbs./sq. in.  |  |
|                | 70    |            |          | △ ○         |        |       |  |  |
|                | 75    |            |          | △ ○         |        |       | 75'-86'<br>Leakage<br>0.4 gals/min<br>at 100 lbs./sq. in.  |  |
|                | 80    |            |          | △ ○         |        |       |  |  |
|                | 85    |            |          | △ ○         |        |       | 86'-100'<br>Leakage<br>0.8 gals/min<br>at 100 lbs./sq. in. |  |
|                | 90    |            |          | △ ○         |        |       |  |  |
|                | 95    |            |          | △ ○         |        |       |  |  |
|                | 100   |            |          | △ ○         |        |       |  | Hole Completed 100'<br>Logged by: S.J. Paterson<br>10.4.63.  |