

DRILLING RECORD

AREA: MERSEY-FORTH POWER DEVELOPMENT
 LOCATION: Lemonthyne Penstock
 GEOLOGICAL PLAN: A10656 SURVEY PLAN: S413875 1/2
 DATES (a) DRILLED: June-July 13 (b) WATER TABLE:
 METHOD: DD. DIAMETER: NX, NMLC.

| | | | | |
|----------|------------------------|-----------------------|-------------|---------------------|
| POSITION | CO-ORDINATES: | E: | N: | HOLE No. 5825 |
| | ON LINE: W429A W430 | BEARING: 0°00' | AT CH: | |
| LEVEL | AT STN: W429A | BEARING: 24°43' | DIST: 229 | FILE No. |
| | SURFACE | COLLAR | WATER TABLE | |
| INCL. | 1126. | | | SHEET 1 OF 2 SHEETS |
| | HOLE DRILLED | ANGLE FROM HORIZONTAL | DIRECTION | |
| | VERT. / HOR. / INC. | | | |

SITE REMARKS:
 Marshy Depression near Geophysical Peg 176.

| DEPTH | CORE DRAWN | CORE LENGTH | CASING | RECOVERY | GRAPHIC LOG | JOINTS No. Per Foot. | FLUID RETURN | GROUND WATER | WATER PRESSURE TESTS LEAKAGE | REMARKS |
|------------|------------|-------------|--------|----------|---|----------------------|--------------|--------------|------------------------------|---|
| 0 | | | | 2 | | | | | | |
| 0-26' | | 6' | | | 3" dolomite pebble 3" claystone pebble 6" dolomite cobble 2" dolomite pebble 2" basalt pebble | | BROWN | | | Soft to firm, yellowish-reddish-brown clay with pebbles and cobbles of dolomite, basalt and quartzite; some quartz granules and polished and fissured claystone. 26' Vertical partings with sub-horizontal slickensides. Probably soil creep & solifluction debris. |
| 26-42 1/2' | | 6' | | | 3" dolomite pebble | | GREY | | | Soft to firm, dark greenish-grey clay with angular to sub-rounded cobbles and pebbles of dolomite and basalt; some quartz granules. Surfaces of pebbles show clay slickensides. Probably solifluction debris. |
| 42 1/2-61' | | | | | 2" basalt pebble 6" basalt cobble | | | | | Soft to firm, gravelly and cobbly reddish-brown to yellowish-brown clay with pebbles and cobbles predominantly of basalt; surfaces of pebbles show clay slickensides. Probably solifluction debris. |
| 61-65' | | | | | 2" basalt pebble | | | | | Soft to firm, gravelly, dark yellowish-greenish grey clay with basalt pebbles. Probably clayey till. |
| 65-66' | | | | | 5 | | | | | Dark yellowish-greenish grey clays; polished planes dip 20°. |
| 66-131' | | | | | | | | | | Black to dark grey, soft to hard compacted but uncemented clay with thin (1/4") fine-grained carbonaceous sand lenses and lenses (1/8" x 1/4" x 2") of coal. Dip 3°. |
| 131-132' | | | | | | | | | | |
| 132-133' | | | | | | | | | | |
| 133-134' | | | | | | | | | | |
| 134-135' | | | | | | | | | | |
| 135-136' | | | | | | | | | | |
| 136-137' | | | | | | | | | | |
| 137-138' | | | | | | | | | | |
| 138-139' | | | | | | | | | | |
| 139-140' | | | | | | | | | | |
| 140-141' | | | | | | | | | | |
| 141-142' | | | | | | | | | | |
| 142-143' | | | | | | | | | | |
| 143-144' | | | | | | | | | | |
| 144-145' | | | | | | | | | | |
| 145-146' | | | | | | | | | | |
| 146-147' | | | | | | | | | | |
| 147-148' | | | | | | | | | | |
| 148-149' | | | | | | | | | | |
| 149-150' | | | | | | | | | | |
| 150-151' | | | | | | | | | | |
| 151-152' | | | | | | | | | | |
| 152-153' | | | | | | | | | | |
| 153-154' | | | | | | | | | | |
| 154-155' | | | | | | | | | | |
| 155-156' | | | | | | | | | | |
| 156-157' | | | | | | | | | | |
| 157-158' | | | | | | | | | | |
| 158-159' | | | | | | | | | | |
| 159-160' | | | | | | | | | | |
| 160-161' | | | | | | | | | | |
| 161-162' | | | | | | | | | | |
| 162-163' | | | | | | | | | | |
| 163-164' | | | | | | | | | | |
| 164-165' | | | | | | | | | | |
| 165-166' | | | | | | | | | | |
| 166-167' | | | | | | | | | | |
| 167-168' | | | | | | | | | | |
| 168-169' | | | | | | | | | | |
| 169-170' | | | | | | | | | | |
| 170-171' | | | | | | | | | | |
| 171-172' | | | | | | | | | | |
| 172-173' | | | | | | | | | | |
| 173-174' | | | | | | | | | | |
| 174-175' | | | | | | | | | | |
| 175-176' | | | | | | | | | | |
| 176-177' | | | | | | | | | | |
| 177-178' | | | | | | | | | | |
| 178-179' | | | | | | | | | | |
| 179-180' | | | | | | | | | | |
| 180-181' | | | | | | | | | | |
| 181-182' | | | | | | | | | | |
| 182-183' | | | | | | | | | | |
| 183-184' | | | | | | | | | | |
| 184-185' | | | | | | | | | | |
| 185-186' | | | | | | | | | | |
| 186-187' | | | | | | | | | | |
| 187-188' | | | | | | | | | | |
| 188-189' | | | | | | | | | | |
| 189-190' | | | | | | | | | | |
| 190-191' | | | | | | | | | | |
| 191-192' | | | | | | | | | | |
| 192-193' | | | | | | | | | | |
| 193-194' | | | | | | | | | | |
| 194-195' | | | | | | | | | | |
| 195-196' | | | | | | | | | | |
| 196-197' | | | | | | | | | | |
| 197-198' | | | | | | | | | | |
| 198-199' | | | | | | | | | | |
| 199-200' | | | | | | | | | | |

Bedding plane partings

