

STRAHAN COAL EL - HOLE DD 81 S3

Located at 356000E 5326680N on a track west of the Macquarie Heads road, approximately 6km south south west of Strahan. This hole, collared in Quaternary sands, was rotary drilled to a depth of 102m.

Summary Log

- 0 - 8m Sand (Quaternary)
Unconsolidated fine grained, well sorted dune sand. Very clean, little recent plant material. Very low heavy mineral content.
- 8 - 10m Sand (Quaternary)
Unconsolidated coarse grained, poorly sorted. Traces of lignous material. Low heavy mineral content.
- 10 - 14m Sand plus gravels and ? lignite? (? Quaternary).
Unconsolidated fine to medium grained well sorted sand with minor thin gravel bands. Staining and oil film in water return suggests possibility of a thin (\pm 30cm) lignous horizon at 13m.
- 14 - 28m Sand (?Quaternary)
Very fine grained, well sorted unconsolidated sand. Very low heavy mineral content. Only traces of lignous material.
- 28 - 34m Sand (clay rich) (?Quaternary)
Significantly darker than that above, especially between 33-34m where it is almost black. Recovered sand is fine - medium grained and very greasy to the touch. Very low lignous or heavy mineral content.
- 34 - 36m Lignous Sand (?Quaternary)
Very fine grained, well sorted, unconsolidated sand. Stained dark brown by humic material but with very little particulate lignous material.
- 36 - 45m Sand (?Quaternary)
Very fine grained, well sorted. Unconsolidated. Light buff in colour.

- 015
- 45 - 53m Sand (? Quaternary)
Dark grey-brown unconsolidated sands with an increased clay content and minor lignous fragments. Less well sorted than above. Abundant shell fragments between 47 - 48m.
- 53 - 56m Pebble Gravel (? Tertiary)
Poorly consolidated gravel with large clasts, as judged from cuttings, of quartz, quartzite and argillite/phyllite. The sand matrix appears to be quite coarse and poorly sorted. Low heavy mineral and lignous content.
- 56 - 88m Sand and minor gravels (? Tertiary)
Medium grained, poorly sorted sand. Occasional thin gravel horizons (\pm 20cms). Oil film noticeable on water return at 80m may represent a lignous horizon. Low heavy mineral content.
- 88 - 92m Sand and minor gravels (? Tertiary)
As above but noticeably more consolidated.
- 92 - 102m Sand (Tertiary)
Unconsolidated fine - medium grained. Well sorted low heavy mineral and lignous content.

Samples: 986163 - 986211 taken at 2m intervals from surface.

Geophysical Log: Natural gamma and density logs were run through the drill rods down to 100m. Attempts to log in the open hole were unsuccessful due to hole collapse.

No obvious carbonaceous horizons were discernable on the logs obtained.