

STRAHAN COAL EL 47/80 - HOLE RD 81 ST5

Located at approximately 357900 E, 5341000N on the Strahan-Zeehan road, this hole was rotary drilled to 94m. The hole was collared in Quaternary dune sands and intersected the uppermost Tertiary sediments at approximately 30m. No significant carbonaceous horizons were intersected in the Quaternary-Tertiary succession tested in this hole.

Summary Log

- 0 - 30m Sand (Quaternary)
Unconsolidated dune sand. Light buff, medium grained and well sorted. Very low heavy mineral content. Thin horizons of more consolidated sand ("hardpan") between 5-6m and 12-13m. Brown humic staining of return water at 15m. Below 18m the sand is slightly coarser and more consolidated.
- 30 - 32m Clay, sandy (?Tertiary)
Mid grey clay with significant sand content (possibly contamination from higher in the hole). Traces of lignous material and carbonised wood. Clay darkens with depth. Soft.
- 32 - 40m Sand, clayey (?Tertiary)
Mid grey, medium grained. Poorly sorted. Significant clay content (possibly representing shaley interbeds). Traces of carbonised wood between 36 - 38m. Moderately well consolidated.
- 40 - 48m Sand.
Mid grey, coarse grained but quite well sorted. Low clay content. Low heavy mineral content. No carbonaceous material. Quite well consolidated.
- 48 - 52m Clay, sandy (Tertiary)
Buff coloured fine grained sediment, dominantly clay but with high proportion of sand. Consolidated.
- 52 - 67m Sand (Tertiary)
Buff, medium to coarse grained. Quite well sorted. Becomes greyish with depth. Fine shell fragments quite common. Generally very soft except between 61-63m where a consolidated horizon exists. No difference noted in cuttings from this horizon.

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67 - 88m Sandstone (Tertiary)
Consolidated medium to fine grained sandstone.
Buff to light grey in colour, well sorted. Grains
well rounded. No carbonaceous material noticeable.
Low heavy mineral content.

88 - 93m Sand (Tertiary)
Very much as above but not well consolidated.

Samples:- 986221 - 986227 at 2m intervals from surface.
 986228 - 15 - 16m
 986229 - 986266 at 2 m intervals from 16-29m.

Geophysical Log: Natural gamma and density logs were run through
the drill rods. No carbonaceous horizons were outstanding on the
logs obtained which were typical of a succession of poorly con-
solidated sandy sediments.