



U.R. 1970/24

MICROPALAEONTOLOGICAL REPORT ON
SAMPLES FROM CUNDARE 3 BORE (9 MILES NNW OF COLAC)

Percussion samples between 200 and 390 feet in Cundare 3 bore were examined micropaleontologically by the writer in April, 1970, at the request of B.R. Thompson. Selected samples (listed in brackets below) were prepared for detailed investigation.

Depth

- 200', 210' greyish clay with basalt fragments.
220', 230' yellowish sand with basalt fragments
240' greyish orange very fine sand, somewhat clayey and with coarse sand grains.
(250', 260') greyish orange very fine sand; no fossils observed.
(270') greyish orange very fine sand, slightly calcareous. Foraminifera common; include Orbulina suturalis and O. universa.
280'-390' (280', 390') Sediments comprise light olive grey to pale yellowish brown calcareous clayey silt. O. suturalis and O. universa present in 280' sample, O. suturalis in 390' sample.

COMMENTS

The strata between 390' and 270' represent Gellibrand Marl (= Fyansford Formation in the Geelong area) and are Balcombian (Carter's Faunal Unit 10) to Bairnsdalian (FU 11) in age. Beds represented by samples from 240', 250' and 260' may be regarded as constituting the uppermost, leached part of the same formation. The overlying sediments (above 240') are presumably separated from the strata below by an unconformity.

DR. C. ABELE
SENIOR GEOLOGIST
O.I.C. PALAEOLOGY SECTION.

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