



**PALYNOLOGICAL EXAMINATION OF GSV BORES LOCATED
ON THE SALE 1:100 000 MAP SHEET, GIPPSLAND
BASIN, VICTORIA**

UNPUBLISHED REPORT 1986/53

by

V ARCHER

GLENCOE 44

- a Depth: 274m
 Age: Indeterminate
 Comments: An assemblage of predominantly fungal and
 algal spores including Botryococcus braunii
 was recorded from this interval.
- b Depth: 340m
 Spore-pollen Zone: Middle N. asperus Zone
 Age: Late Eocene - early Oligocene.
- c Depth: 440m
 Spore-pollen Zone: Middle N. asperus Zone
 Age: Late Eocene - early Oligocene.
- d Depth: 500-503m
 Spore-pollen Zone: Middle N. asperus Zone
 Age: Late Eocene - early Oligocene
 Comments: A rare occurrence of the dinoflagellate
 Vozzhennikovia extensa was recorded in this
 sample.
- e Depth: 505m
 Spore-pollen Zone: ? Lower N. asperus Zone
 Age: (late) Middle Eocene
 Comments: A low yield with no species indicative of the
 Middle N. asperus Zone was recorded.
- f Depth: 576m
 Spore-pollen Zone: C. paradoxa Zone
 Age: Middle Albian.

g Depth: 644.7 - 648.5m
 Spore-pollen Zone: Indeterminate
 Age: Early Cretaceous
 Comments: A sparse spore-pollen yield was obtained with no zone index species being recorded.

GLENCOE SOUTH 4

- a Depth: 446m
 Age: Indeterminate
 Comments: An assemblage of predominantly fungal and algal spores including Botryococcus braunii was recorded from this sample.
- b Depth: 608-614m
 Spore-pollen Zone: Upper M. diversus Zone - P. asperopolus Zone
 Age: Early - middle Eocene
 Comments: An assemblage containing abundant H. harrisii together with A. acutullus, P. crassus, P. pachyplus and M. diversus was recorded from this sample.
- c Depth: 663m
 Spore-pollen Zone: ? Upper M. diversus Zone
 Age: Early - Eocene
 Comments: Species recorded include N. heterus, P. grandis, and a predominance of H. harrisii compared with Nothofagidites spp.
- d Depth: 776.5m
 Spore-pollen Zone: Lower L. balmei Zone
 Age: Early Paleocene
 Comments: Species recorded include T. gillii, T. phillipsii, G. edwardsii, P. verrucosus and common P. mawsonii.

5

DULUNGALONG 2

- a Depth: 77.3 - 83.3m
Age: Indeterminate; virtually barren.
- b Depth: 576.3 - 582.3m
Age: Indeterminate
Comments: An assemblage consisting predominantly of fungal and algal spores including B. braunii was recorded.
- c Depth: 847.9 - 853.9m
Spore-pollen Zone: Middle N. asperus Zone
Age: Late Eocene - early Oligocene
Comments: Abundant dinoflagellates, predominantly V. extensa, were recorded from this interval.
- d Depth: 956.2 - 962.2m
Spore-pollen Zone: Middle N. asperus Zone
Age: Late Eocene - early Oligocene
Comments: Rare V. extensa was recorded from this assemblage.

SEACOMBE 7

Depth: 1246.1m
Spore-pollen Zone: Upper M. diversus - P. asperopolus Zones
Age: Early - middle Eocene
Comments: A low spore-pollen yield was obtained, with species recorded including P. pachypolus, P. crassus and N. emarcidus/heterus.

BENGWORDEN SOUTH 9

Depth: 11.9m
Age: Indeterminate; sample barren.

6

BENGWORDEN SOUTH 12

Depth: 16.8 - 18.3m
Age: ? Pleistocene
Comments: Species recorded include T. pleistocenicus,
T. antipodica, H. amolus, Chenopodopollis
sp. and C. bifurcatus.

REFERENCES

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