A
WEST

A'
EAST

Cobboboonee-2
(V.D.M., 1971)

Gorae-4
(V.D.M., 1969)

Gorae-2
(V.D.M., 1969)

Narrawong-13
(V.D.M., 1969)

Tyrendarra-13
(V.D.M., 1968)

Codrington-1
(V.D.M., 1968)

Eumeralla-1
(F.B.H., 1963)

Pretty Hill-1
(F.B.H., 1962)

S.P. | LITHOLOGY | RESISTIVITY | GAMMA RAY | PALAEON TOLOGY | PALYN OLOGY | SONIC

DATUM SEA LEVEL

VOLCANICS & SUPERFICIAL GRAVELS & GRAVELS

PORT CAMPBELL LIMESTONE

GELLIBRAND MARL

CLIFTON FORMATION

NARRAWATURK MARL

NIRRANDA SANDSTONE

HEYTESBURY GROUP

NIRRANDA GROUP

WANGERRIP (Unconformity) GROUP

EXTENT OF FRESH WATER FLUSHING

DILWYN FORMATION

PEBBLE POINT FM

UNIT 13?

RIVERNOOK MBR.

CUDDIES F.M.

PAARATTE F.M.

BELFAST MUDSTONE

NULLAWARRE GREENSAND

WAARRE F.M.

EUMERALLA FORMATION

OTWAY GROUP

SHERBROOK GROUP

T.D. 6030'

T.D. 6086'

T.D. 5432'

T.D. 5621'

T.D. 4615'

T.D. 4151'

T.D. 10308'

T.D. 8142'

LEGEND

Indicated range of Palynological Zones.

Foraminiferal Zonule.

Extent of fresh water flushing.

Presumed faults with directions of throw indicated.

Cored interval.

OTWAY BASIN

PALYNOLOGICAL & PALEONTOLOGICAL ZONATION

PALYNOLOGICAL ZONATION (DETTMAN 1969, HARRIS 1971)	AGE	FORAM ZONATION (TAYLOR 1966?)
Phyllocladus hypophyllus (P4.2)	Pliocene	
Cupanieidites orthoteichus (C4.2)	M. Miocene	
Myrtaceidites eucalyptoides (M4.2)	L. Miocene	
Gambierina rudata (D4.2)	E. Miocene	
Nothofagidites flemingii (N4.2)	Oligocene	
Nothofagidites asperus (N3.2)	L. Eocene	
Nothofagidites brachyspinulosus (N2.2)	M. Eocene	
Nothofagidites heterus (N1.2)	E. Eocene	
Nothofagidites Marwickie (N.M)	Paleocene	
Tricolpites pachyexinus (T1.2)	Upper Cretaceous	
Tricolpites asperopus (T2.2)	Lower Cretaceous	
Cyclopsiella granulata (C2.2)	Upper Jurassic	

REFERENCES:
1. DETTMAN, M.E. – 1963 – In: B.M.R. Report 70.
2. HARRIS, W.K. – 1971 – In: Spec. Bull. Geol. Surv. S. Aust. Vic. Gr. areas.
3. TAYLOR, D.J. – 1966 – Proc. Royal Soc. Vic. 79 (2).
– 1971 – In: Geol. Soc. Aust. Vic. Div. areas.

Inset A

STRATIGRAPHY

Inset B

Inset C

SHELL DEVELOPMENT (AUSTRALIA) PTY. LTD.

OTWAY BASIN
PORTLAND AREA

STRATIGRAPHIC CROSS SECTION A-A'

VERTICAL SCALE 1:4800

Author: J.M. Eliott
Date: October 1971
Report: S.D.A. (2)
Enclo:
Drawing No. 5259