1.5 Previous Mapping

An extensive 1:100000 series of maps was produced for the July 94 Permit Assessment Report. Most key levels were interpreted for this report and in summary these are:

Basement (smoothed)	Time Structure
Palaeocene	Time Structure
Lower M.diversus	Time Structure
Middle M.diversus	Time Structure
Upper M.diversus	Time Structure
Top EVCM	Time Structure
Demon's Bluff	Time Structure
Late Oligocene	Time Structure
Early Miocene	Time Structure
Late Miocene	Time Structure

Interval maps were also presented in the report. The interpretation that produced this mapping was continued with the incorporation of the Rocky Cape and associated reprocessed data.

2 INTERPRETATION

2.1 Stratigraphic Control

The well distribution as seen in Figures 1.1 & 1.2 provided reasonable control for the central and northern part of the permit. The southern and eastern zones have no well control and with the seismic correlatability being particularly poor the stratigraphy is poorly understood.

All wells except Pelican 3 have sonic logs to allow synthetic seismogram generation and these were generated within the geophysical workstation software SYNVIEW (part of the Geoquest software). Each well has checkshot data available, although detailed surveys were only carried out in Narimba 1, Pelican 4, Pipipa 1, Pelican 5 and Flinders 1. VSP data was acquired in Narimba 1, Pelican 5 & Flinders 1. VSP data handling is not possible with Geoquest at present, however the corridor stacks have very good correlatability with the synthetic seismogram character in this instance so the interpretation is not handicapped by this shortcoming.

Each well has detailed electric log suites, lithology and palynology descriptions available. A generalised stratigraphic table for the Bass Basin can be found in Figure 2.1, Well Information with Palynology in Appendix 1 and Checkshot Data in Appendix 2.