



PE990486

FORAMINIFERAL ANALYSIS - KIPPER-1  
GIPPSLAND BASIN

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ESSO AUSTRALIA LTD.  
PALAEOLOGY REPORT NO. 16 / 1986

APRIL 1986

2236L

## INTRODUCTION:

Five washed residues from near the top of the Latrobe Group in Kipper-1 have been examined and their foraminiferal assemblages noted.

Sidewall cores 110 and 1418.0m and 111 at 1412.0m contained reasonable foraminiferal assemblages, the remainder were barren.

## TOP OF LATROBE GROUP:

The top of the Latrobe group lies between sidewall core 110 at 1418.0m and sidewall core 111 at 1412.0m and is marked, upsection, by a change from a glauconite dominated sand to a recrystallised carbonate. A significant unconformity and/or condensed section occurs between these two samples: sidewall core 100 being dated as Late Eocene/Early Oligocene and sidewall core 111 being assigned an Early Miocene age.

## BIOSTRATIGRAPHY:

ZONE K. Late Eocene-Early Oligocene SWC 110 at 1418.0m

The K zonal determination is based on the identification of Globigerina linaperta, Globorotalia postcretacea and Globigerina angiporoides. The absence of Globigerinathaeka index means that an Early Oligocene age for the sample can not be ruled out.

The assemblage recovered was moderately diverse but poorly preserved, the yield, however, was good.

Zone H-1 - Early Miocene; SWC 111 at 1412.5.

The zonal assignment of sidewall core 111 is made difficult by both reworking and contamination. The H-1 determination is based on the presence of Globorotalia miozea and Globigerina woodi connecta without Globigerinoides trilobus.

Reworked into this assemblage is Globorotalia postcretacea and Globigerina linaperta, both Late Eocene/Early Oligocene species. The presence of the Late Miocene species Globorotalia pandus is considered to be due to down-hole contamination.

The assemblage obtained was of moderate yield and fair preservation.

PLANKTONIC  
MICROFOSSIL

DEPTH (M)	SWC NO.	YIELD	PRESERVATION	ZONE	AGE	LITHOLOGY
1464.0m	107	Barren		-	Indeterminate	fine grained quartz sand, micaceous.
1457.0	108	Barren		-	Indeterminate	fine grained quartz sand
1421.0	109	Barren		-	Indeterminate	shaly fine quartz sand, abundant oxidized glauconite
1418.0	110	Good	poor	K	Late Eocene - Oligocene	fine quartz sand, highly glauconitic
1412.0	111	Moderate	fair	H1	Early Miocene	Recrystallized carbonate

DATA SUMMARY KIPPER-1

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