

FORAMINIFERAL ANALYSIS
OF TURRUM-3,
GIPPSLAND BASIN

by

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D.G. FILE = TURRUM3

PALEO.CARDS MBR = TURR3F

1702L

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INTRODUCTION

Seven sidewall core samples were examined from across the Latrobe Group/Seaspray Group boundary. The top of the Latrobe Group lies between sidewall cores at 1573.5m and 1567.4m and is marked by a change from fine grained micaceous sand to a marl.

No ages could be obtained from within the Latrobe Group. The deepest sample from the Lakes Entrance Formation is at 1567.4m which is Early Miocene, Zone H-1 in age.

BIOSTRATIGRAPHY

(1) Zone H-1 - Early Miocene (1567.4m)

The presence of Globigerina woodi connecta without Globigerinoides trilobus in this sample assigns it to Zone H-1.

The fauna derived from this sample was of low diversity and very poorly preserved.

(2) Zone G - Early Miocene (1561.0m-1552.9m)

The appearance of Globigerinoides trilobus in the sample at 1561.0m marks the base of this zone. Preservation of fauna from this interval is quite good, although it deteriorates down hole. Diversity was moderate.

TABLE-1
INTERPRETATIVE DATA SUMMARY - TURRUM-3

DEPTH (M)	SWC NO.	PRESERVATION	PLANKTONIC DIVERSITY	ZONE (conf. Rtg.)	AGE
1552.9	69	Good	Moderate	G (1)	Early Miocene
1557.0	67	Fair	Moderate	G (1)	Early Miocene
1561.0	65	Poor	Moderate	G (1)	Early Miocene
1565.0	63	Abyssmal	-	?	Indeterminate
1567.4	62	Poor	Low	H-1 (2)	Early Miocene
1573.5	58	-	Barren	?	Indeterminate
1571.5	57	-	Barren	?	Indeterminate

1702L/4

MICROPALAEONTOLOGICAL DATA SHEET

BASIN: Giposland

ELEVATION: KB: 21 GL: -60

WELL NAME: Turrum-3

TOTAL DEPTH: 2996.0

AGE	FORAM. ZONULES	HIGHEST DATA					LOWEST DATA					
		Preferred Depth	Rtg	Alternate Depth	Rtg	Two Way Time	Preferred Depth	Rtg	Alternate Depth	Rtg	Two Way Time	
PLEIS- TOCENE	A ₁											
	A ₂											
PLIO- CENE	A ₃											
	A ₄											
MIOCENE	LATE	B ₁										
		B ₂										
		C										
	MIDDLE	D ₁										
		D ₂										
		E ₁										
		E ₂										
		EARLY	F									
			G	1552.9	1			1561.0	1			
	H ₁		1567.4	2								
	OLIGOCENE	LATE	H ₂									
			I ₁									
I ₂												
EARLY		J ₁										
		J ₂										
		K										
EOC- ENE	Pre-K											

COMMENTS: Top of G = Top sample examined.

- CONFIDENCE RATING:
- 0: SWC or Core - Complete assemblage (very high confidence).
 - 1: SWC or Core - Almost complete assemblage (high confidence).
 - 2: SWC or Core - Close to zonule change but able to interpret (low confidence).
 - 3: Cuttings - Complete assemblage (low confidence).
 - 4: Cuttings - Incomplete assemblage, next to uninterpretable or SWC with depth suspicion (very low confidence).

NOTE: If an entry is given a 3 or 4 confidence rating, an alternative depth with a better confidence rating should be entered, if possible. If a sample cannot be assigned to one particular zone, then no entry should be made, unless a range of zones is given where the highest possible limit will appear in one zone and the lowest possible limit in another.

DATA RECORDED BY: M.J. Hannah DATE: July 1985

DATA REVISED BY: _____ DATE: _____