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FORAMINIFERAL ANALYSIS
OF WHITING-2,
GIPPSLAND BASIN

by

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INTRODUCTION

Three sidewall cores have been processed and their residues examined. Only one sample (at 1260.0m) contained any significant numbers of foraminifera. This sample is considered to be Zone G (Early-Mid Miocene) in age.

BIOSTRATIGRAPHY

Sidewall cores 109 and 110 at 1268.0m and 1265.0m contain rare benthonic forams only. No age dating was obtained from these.

Sidewall core 111 at 1260.0m, however, yielded an abundant, diverse foraminiferal assemblage; preservation was moderate. The presence of Globigerinoides trilobus, Globorotalia miozea and Globorotalia zealandica is sufficient for a confident Zone G assignment. Other species present include Globigerina woodi woodi, Globigerina woodi connecta and Catapsiderax dissimilis which support the age determination.

TABLE 1: DATA SUMMARY, WHITING-2, GIPPSLAND BASIN

DEPTH (M)	SWC NO.	PLANKTONIC		ZONE	AGE	LITHOLOGY *
		YIELD	PRESERVATION			
1268.0	109	Barren		?	Indeterminate	Non-pelletal Glauconite abundant pyrite
1265.0	110	Barren		?	Indeterminate	Angular fine grained quartz sand abundant glauconite and pyrite
1260.0	111	High	Poor-mod.	G	Early-mid Miocene	Foraminiferal tests dominate residue - small amounts of glauconite

* from washed residues

WHITING-2 STRATIGRAPHIC TABLE

AGE (M.A.)	EPOCH	SERIES	FORMATION HORIZON	PALYNOLOGICAL ZONATION SPORE-POLLEN	PLANKTONIC FORAMINIFERAL ZONATION	DRILL DEPTH (metres)	SUBSEA DEPTH (metres)	THICKNESS (metres)
<i>SEA FLOOR</i>								
5	PLEIST.	PLIO.	SEASPRAY GROUP	GIPPSLAND LIMESTONE		A1/A2		884
						A3		
10	MIOCENE	LATE	LAKES ENTRANCE FORMATION	<i>T. bellus</i>	B1	958	937	305.5
					B2			
					C			
15	MIOCENE	MID	LAKES ENTRANCE FORMATION	<i>T. bellus</i>	DI/D2	1263.5	1242.5	305.5
					E/F			
20	MIOCENE	EARLY	LAKES ENTRANCE FORMATION	<i>T. bellus</i>	G	1263.5	1242.5	305.5
					H1 H2			
25	OLIGOCENE	LATE	LAKES ENTRANCE FORMATION	<i>P. tuberculatus</i>	"I"	1263.5	1242.5	305.5
					J1			
30	OLIGOCENE	EARLY	LAKES ENTRANCE FORMATION	<i>P. tuberculatus</i>	J2	1263.5	1242.5	305.5
					K			
35	OLIGOCENE	LATE	LAKES ENTRANCE FORMATION	<i>Upper N. asperus</i>	K	1263.5	1242.5	5.5
40	Eocene	LATE	GURNARD FM	<i>Mid N. asperus</i>		1269.0	1248.0	5.5
45	Eocene	MIDDLE	UNDIFFERENTIATED	<i>Lower N. asperus</i>		1269.0	1248.0	5.5
50	Eocene	EARLY	UNDIFFERENTIATED	<i>Lower N. asperus</i>	<i>P. asperopolus</i>	1269.0	1248.0	5.5
					<i>Upper M. diversus</i>			
55	Eocene	EARLY	UNDIFFERENTIATED	<i>Lower N. asperus</i>	<i>Mid M. diversus</i>	1269.0	1248.0	5.5
					<i>Lower M. diversus</i>			
60	PALEOCENE	LATE	UNDIFFERENTIATED	<i>Lower N. asperus</i>	<i>Upper L. balmei</i>	1269.0	1248.0	5.5
					<i>Lower L. balmei</i>			
65	PALEOCENE	EARLY	UNDIFFERENTIATED	<i>Lower N. asperus</i>		1269.0	1248.0	5.5
70	LATE CRET.		UNDIFFERENTIATED	<i>T. longus</i>		3550	3529	2281+
					<i>T. lillie</i>			

WHITING DISCOVERY

P. asperopolus OIL SAND CORRELATION

WHITING-2 

WHITING-1 

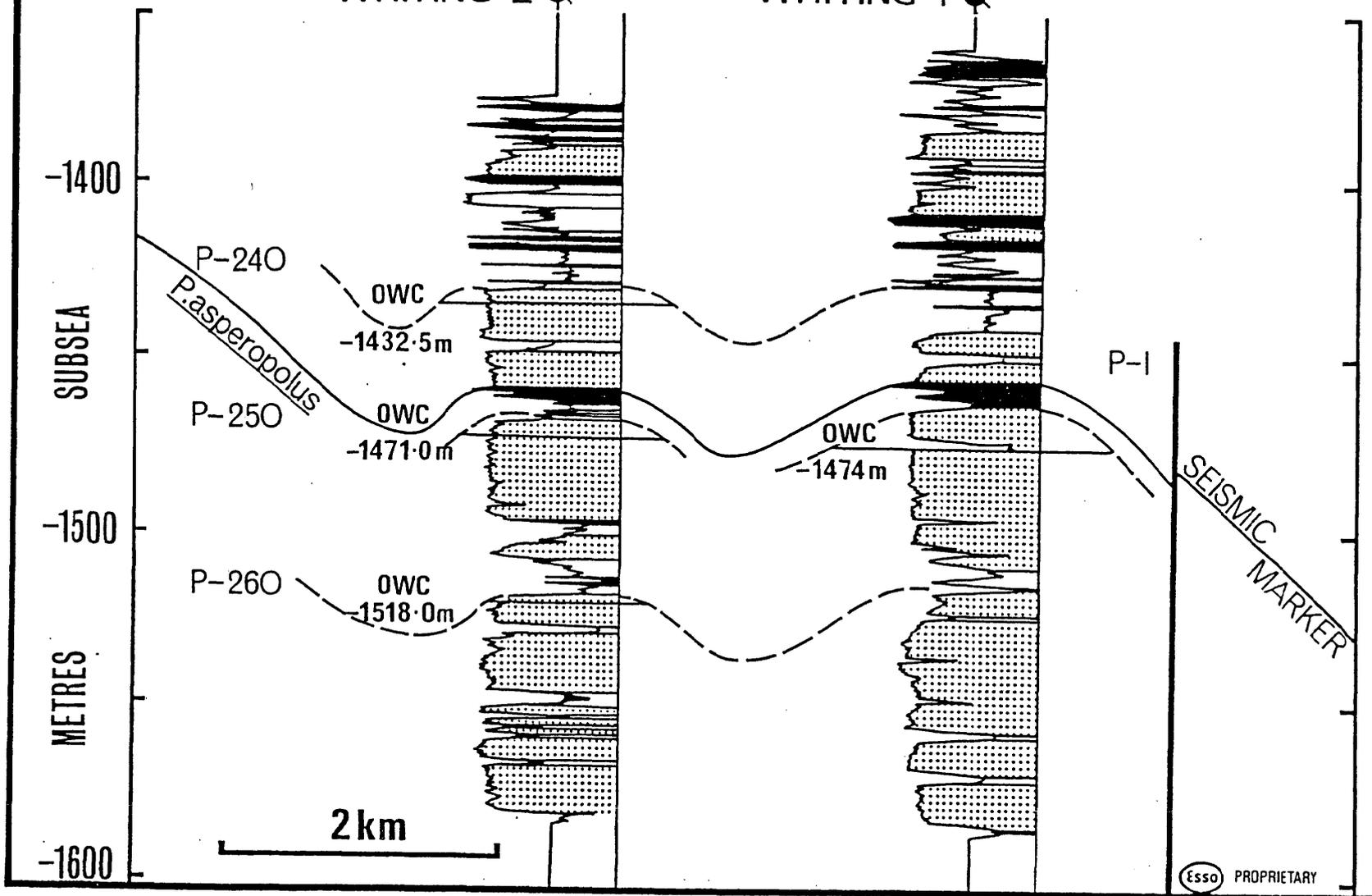


FIGURE 2