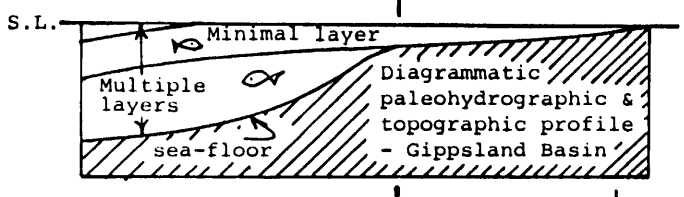
W795 FINAL REPORT SELENE-1

CONCEPTUAL GEOCHRONOLOGY					OBSERVED GIPPSLAND BIOSTRATIGRAPHIC SEQUENCES OF PLANKTONIC FORAMINIFERAL ASSEMBLAGES			
CORRELATION WITH PAN-TROPIC STANDARD (modified after:- Berggren & Van Couvering (1974); Van Couvering & Berggren (1977); Hardenbol & Berggren (1978))			GIPPSLAND CHRONS		"MULTIPLE LAYER" ASSEMBLAGE ZONES		"MINIMAL LAYER" ASSEMBLAGE ZONES	
M.Y.	EPOCHS	BLOW (1979) ZONES	Multiple layered	Minimal layered	ASSEMBLAGE ZONE LETTER CODE	SUMMARY OF FAUNAL CHARACTERISTICS OF ASSEMBLAGES (Full characterisation in text)	ASSEMBLAGE ZONE LETTER CODE	SUMMARY OF FAUNAL CHARACTERISTICS OF ASSEMBLAGES (Full characterisation in text)
			boundary time slop					
			time interval probably unrepresented by assemblages					
1	PLEISTOCENE	N23 / N22	A-1 / A-2		A-1 / A-2	TOP of section: Modern sea-floor assemblage of eastern Gippsland with *Pulleniatina G'quad dutertrei* and *G'alia tosaensis/truncatulinoides*	A	TOP of section: Sea-floor assemblages of Gippsland continental shelf with *G'alia inflata* (S.S.) and *G'alia truncatulinoides*
1.6			1.6					
2–3	LATE/MID PLIOCENE	N21	A-3	A	A-3	*G'alia inflata* (SS)		
3.0								
4		N20 / N19	A-4		A-4	*G'alia crassaformis*; *G'alia puncticulata*		*G'alia inflata* GROUP (S.L.) incl. ? *G'alia puncticulata*
4.2	EARLY PLIOCENE							
4.5								
5			B-1		B-1			XXXX Keeled *GLOBOROTALIA* spp.
5.2								
6	LATE MIOCENE	N17 / N16		B		*G'alia miotumida conomiozea*	B	
6.6								
7–9			B-2		B-2	XXX *G'alia lenguaensis* and *G'alia miotumida miotumida*		
10								
10.4		N15 / N14	C	C	C	*G'alia acostaensis*	C	XXXX *G'alia mayeri*
11						*G'ina nepenthes* and *G'alia scitula*		
12	MID MIOCENE	N13				*G'alia miotumida miotumida*		XXXX *G'alia conica*
12.0								
12–13		N12 N11 N10	D-1		D-1	XXXX *G'alia miozea miozea* and *G.praescitula*; *G'alia praefoshi*	D	
13.5				D		*G'alia peripheroacuta*; Specific diversity decline of *GLOBIGERINOIDES* spp.		
14		N9	D-2		D-2			
14.5						*Orb. universa*		*Orb universa*
15			E-1	E-1	E-1	*ORBULINA* DATUM-as *Orb.suturalis*	E-1	*Orb suturalis*
15.0			E-2	E-2	E-2	*PRAEORBULINA GLOMEROSA* (see text)	E-2	*Praeorb glomerosa*
15.5								
16–17		N8 / N7	F	F	F	Diversification *GLOBIGERINOIDES*; with *G'OIDES BISPHERICUS* (see text)	F	*G'oides bisphericus*
17.5								
18–19	EARLY MIOCENE	N6						
20–21		N5	G	G	G		G	
21						*G'alia miozea miozea*		
22						*GLOBIGERINOIDES TRILOBUS* GROUP-see text		*G'oides trilobus*
22.5								
23		N4	H-1		H-1	XXX *G'alia kugleri*; *G'alia kugleri* & *G'quad dehiscens* (S.S.)	H	*G'quad dehiscens* (S.S.)
24				H		*G'ina woodi connecta*		
24.0			H-2		H-2	*G'ina woodi woodi*; *G'alia opima opima*		*G'ina woodi woodi*; *G'alia opima opima*
25		N3 (=P22)	I-1		I-1			
25.0								
26						*G'quad dehiscens* (S.L.)		
26.0								
27–29	LATE OLIGOCENE	N2 (=P21)		I		Planktonic assemblage not recognised	I	*Guembelitria* or *G'alia testarugosa* and *G. extans*
28					I-2		I-2	
30						XXXX *G'ina angiporoides angiporoides*		*G'alia opima opima*; *Chiloguembelina*
30.0								
31		N1 (=P20)		J			J	
32		?–?	J-1		J-1			
32.0								
33				33.0				*G'ina angiporoides angiporoides*
34	EARLY OLIGOCENE	?–?– P19				XXXX *G'ina brevis* & *G'alia gemma*		
34.5								
35–36		P18	J-2		J-2			Planktonic assemblage not recognised
35.5								
37		P17		37.0			K	XXX *G'theka* & *G'ina linaperta*
37.0								
38	LATE EOCENE	P16		K 38.0		DISLOCATION of BIO-CHARACTER with DIRECT SUPER-POSITION of MULTIPLE-LAYER ASSEMBLAGES upon MINIMAL-LAYER ASSEMBLAGES in SOME OFFSHORE SECTIONS.		*G'ina brevis*
39		P15						Planktonic assemblages nowhere recognised in Gippsland Basin.
40				40.0				
40.0								
41–42	MID EOCENE	P14				Pre-Oligocene multiple layers assemblages have not been recognised in the Gippsland Basin.		XXX *G'alia primitiva*, *G. renzi*, *G. collactea*, *G'ina angiporoides minima*
43		P13		N			N	
44–45		P12						*G'theka index*; XX *G'ina frontosa* & *G'ina higginsi*
46				46.0				
46–47	EOCENE	P11		O			O	*G'alia centralis*; XXX *Plan.wilcoxensis* & *G'alia australiformis*
47.5								
48		P10		P			P	
49								*G'ina frontosa*
49.0	EARLY EOCENE	P9	Base of Gippsland foram. sequence	49.0				BASE OF GIPPSLAND PLANKTONIC FORAM SEQUENCE
50								



BIO-EVENT SYMBOLS

- local arrival of taxon
- MM Morphometric fragmentation of lineage (see text)
- XXXX local departure of taxon
- brief transient presence of taxon
- †††† disjunct range when compared with multiple layer assemblage zones

SUMMARY PLANKTONIC FORAMINIFERAL BIOSTRATIGRAPHY - GIPPSLAND BASIN (Final draft to accompany M.S.)

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SELENE-1: WELL COMPLETION REPORT B-5814
ENCLOSURE 9