

CONCEPTUAL GEOCHRONOLOGY				OBSERVED GIPPSLAND BIOSTRATIGRAPHIC SEQUENCES OF PLANKTONIC FORAMINIFERAL ASSEMBLAGES				
CORRELATION WITH PAN-TROPIC STANDARD		GIPPSLAND CHRONS		"MULTIPLE LAYER" ASSEMBLAGE ZONES		"MINIMAL LAYER" ASSEMBLAGE ZONES		
modified after:- Berggren & Van Couvering (1974) Van Couvering & Berggren (1977) Hardenbol & Berggren (1978)		Multiple layered	Minimal layered	ASSEMBLAGE ZONE LETTER CODE		ASSEMBLAGE ZONE LETTER CODE		
M.Y.	EPOCHS	BLOW (1979) ZONES	boundary time slop time interval probably unrepresented by assemblages		SUMMARY OF FAUNAL CHARACTERISTICS OF ASSEMBLAGES (Full characterisation in text)		SUMMARY OF FAUNAL CHARACTERISTICS OF ASSEMBLAGES (Full characterisation in text)	
1	PLEISTOCENE	N23 / N22	A-1 / A-2	A-1 / A-2	TOP of section Modern sea-floor assemblage of eastern Gippsland with <i>Pulleniatina G'quad dutertrei</i> and <i>G'alia tcsaensis/truncatulinoides</i>	A	TOP of section Sea-floor assemblages of Gippsland continental shelf with <i>G'alia inflata</i> (S.S.) and <i>G'alia truncatulinoides</i>	
2	LATE/MID PLIOCENE	N21	A-3	A	<i>G'alia inflata</i> (SS)	A	<i>G'alia inflata</i> GROUP (S.L.) incl. <i>G'alia puncticulata</i>	
3		N20 / N19	A-4		<i>G'alia crassaformis</i>			
4		EARLY PLIOCENE			<i>G'alia puncticulata</i>			
5	LATE MIOCENE	N17 / N16	B-1	B	<i>G'alia miotumida conomiozea</i>	B	+XXXX Keeled <i>GLOBOROTALIA</i> spp.	
6			B-2		<i>G'alia languensis</i> and <i>G'alia miotumida miotumida</i>			
7	MID MIOCENE	N15 / N14	C	C	<i>G'alia acostaensis</i>	C	+XXXX <i>G'alia mayeri</i>	
8			D-1		<i>G'ina nepenthes</i> and <i>G'alia scitula</i>			
9			D-2		<i>G'alia miotumida miotumida</i>			
10	EARLY MIOCENE	N9	E-1	E-1	<i>G'alia miozea miozea</i> and <i>G.praescitula</i>	D	+XXXX <i>G'alia conica</i>	
11			E-2	E-2	<i>G'alia praeformis</i>			
12	LATE MIOCENE	N8 / N7	F	F	<i>G'alia peripheroacuta</i> Specific diversity decline of <i>GLOBIGERINOIDES</i> spp.	E-1	+XXXX <i>Orb. universa</i>	
13			E-1	E-1	<i>Orb. universa</i>			
14	EARLY MIOCENE	N6	G	G	<i>ORBULINA DATUM</i> -as <i>Orb.suturalis</i>	E-2	+XXXX <i>Orb suturalis</i>	
15			E-2	E-2	<i>PRAEORBULINA GLOMEROSA</i> (see text)			
16	LATE MIOCENE	N4	H-1	H	Diversification <i>GLOBIGERINOIDES</i> ; with <i>G'OIDES BISPHERICUS</i> (see text)	F	+XXXX <i>Praeorb glomerosa</i>	
17			H-2		<i>G'oides bisphericus</i>			
18	EARLY MIOCENE	N3 (=P22)	I-1	I	<i>G'alia miozea miozea</i>	G	+XXXX <i>G'oides trilobus</i> +XXXX <i>G'quad dehiscens</i> (S.S.)	
19			I-1		<i>GLOBIGERINOIDES TRILOBUS</i> GROUP-see text <i>G'alia kugleri</i>			
20	LATE MIOCENE	N2 (=P21)	J-1	J	<i>G'alia kugleri &amp; G'quad dehiscens</i> (S.S.)	H	+XXXX <i>G'ina woodi woodi</i> +XXXX <i>G'alia opima opima</i>	
21			J-1		<i>G'ina woodi connecta</i>			
22	OLIGOCENE	N1 (=P20)	K	K	<i>G'ina woodi woodi</i>	I	+XXXX <i>G'ina woodi woodi</i> +XXXX <i>G'alia opima opima</i>	
23			K		<i>G'quad dehiscens</i> (S.L.)			
24	EARLY OLIGOCENE	P18	L	L	Planktonic assemblage not recognised	I-2	+XXXX <i>Guembeltria</i> or <i>G'alia testarugosa</i> and <i>G. extans</i>	
25			L		<i>G'ina angiporoides angiporoides</i>			
26	LATE OLIGOCENE	P17	M	M	<i>G'alia opima opima</i>	J	+XXXX <i>G'alia opima opima</i> +XXXX <i>Chiloguembelina</i>	
27			M		<i>G'ina angiporoides angiporoides</i>			
28	EARLY EOCENE	P16	N	N	<i>G'ina brevis &amp; G'alia gemma</i>	J-1	+XXXX <i>G'ina angiporoides angiporoides</i>	
29			N		Planktonic assemblage not recognised			
30	LATE EOCENE	P15	O	O	DISLOCATION of BIO-CHARACTER with DIRECT SUPER-POSITION of MULTIPLE-LAYER ASSEMBLAGES upon MINIMAL-LAYER ASSEMBLAGES in SOME OFFSHORE SECTIONS.	K	+XXXX <i>G'alia primitiva</i> , <i>G. renzi</i> <i>G. collectea</i> , <i>G'ina angiporoides minima</i>	
31			O		Pre-Oligocene multiple layers assemblages have not been recognised in the Gippsland Basin.			
32	EARLY EOCENE	P14	P	P	BIO-EVENT SYMBOLS	N	+XXXX <i>G'theka index</i> +XXXX <i>G'ina frontosa &amp; G'ina higginsii</i>	
33			P		+ local arrival of taxon			
34	MID EOCENE	P13	Q	Q	+ MM Morphometric fragmentation of lineage (see text)	O	+XXXX <i>G'alia centralis</i> <i>Plan.wilcoxensis</i> & <i>G'alia australiformis</i>	
35			Q		+ XXXX local departure of taxon			
36	LATE EOCENE	P12	R	R	+ brief transient presence of taxon	P	+XXXX <i>G'ina frontosa</i>	
37			R		+++ disjunct range when compared with multiple layer assemblage zones			
38	EARLY EOCENE	P11	S	S		O	+XXXX <i>G'ina frontosa</i>	
39			S					
40	MID EOCENE	P10	T	T		P	BASE OF GIPPSLAND PLANKTONIC FORAM SEQUENCE	
41			T					
42	LATE EOCENE	P9	U	U		P	BASE OF GIPPSLAND PLANKTONIC FORAM SEQUENCE	
43			U					
44	EARLY EOCENE	P8	V	V		P	BASE OF GIPPSLAND PLANKTONIC FORAM SEQUENCE	
45			V					
46	MID EOCENE	P7	W	W		P	BASE OF GIPPSLAND PLANKTONIC FORAM SEQUENCE	
47			W					
48	LATE EOCENE	P6	X	X		P	BASE OF GIPPSLAND PLANKTONIC FORAM SEQUENCE	
49			X					
49	EARLY EOCENE	P5	Y	Y		P	BASE OF GIPPSLAND PLANKTONIC FORAM SEQUENCE	
50			Y					

