



BIOSTRATIGRAPHY			PALEO-DEPTH Estimates in metres	FACIES UNITS
AGE	Sample depth * of 'Tops' in metres.	PLANKTONIC FORAMINIFERAL ZONES		
			0 30 60	
Top Sample	400			
MID MIOCENE or YOUNGER		?		UNIT I - Bryozoal calcarenite deposited, on high energy, shallow shelf platform - possibly intertidal.
?	800	?		
MID MIOCENE		D-2 to E		UNIT II - Interbedded micrites & calcarenites. The dominant bryozoa & frequent 'Larger Foraminifera' of the calcarenite originated on a shallow water carbonate bank & displaced into deeper water then rapidly buried by the micritic mud. Water temperature >22°C
?	1150	?		
EARLY MIOCENE		F to H		UNIT III - Similar to Unit II but carbonate bank not as luxuriant, due to reduced water temperature (<22°C). Also the depositional & burial rates were much slower.
	1410			
OLIGOCENE		I/J		UNIT IV - Calcareous siltstone deposited in anoxic muddied water with restricted oceanic circulation. Quartz grains increase down section.
?	1610			
?LATE EOCENE?		?K?		UNIT V - Dark grey siltstone & silty quartz sandstones. Marginal marine anoxic environment with <u>no oceanic penetration.</u>
	1770			
	Basal Sample			

TABLE 1: INTERPRETED FORAMINIFERAL SEQUENCE - PELICAN # 5
- BASS BASIN.

(Factual data on Table 2).

*only ditch cutting samples available; mud
contamination severe below 1150 metres.

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