

# BIOSTRATIGRAPHY OF 25/11-4

GAMMA-SONIC LOG	CASING POINT	DEPTHS IN FEET	TYPE OF SAMPLE ANALYSED		FORAMINIFERAL SPECIES (TOP OCCURRENCE)	FAUNAL REMARKS	THE RATIO: AGGLUTINATED/CALCAREOUS BENTHONIC / PLANKTONIC	BIOSTRATIGRAPHY	CHRONO-STRATI-GRAPHY
			LIGHT FRACTION	RESIDUUM					
		1350-1380	X		Elphidium excavatum, Cassidulina laevigata, Nonion barleeanum, Trifarina fluens, Islandiella helena, Cibicides lobatulus, Cassidulina crassa, Elphidium groenlandicum, Elphidium albiumbilicatum, Protelphidium orbiculare, Buccella frigida, Epistominella vitrea, Virgulina loeblichii	The fauna is dominated by Quaternary calcareous foraminifera	20 40 60 80%	Elphidium excavatum-Cassidulina laevigata-Cassidulina crassa-Trifarina fluens-zone	PLEISTOCENE
		1440-1470	X						
		1530-1560	X						
		1890-1920	X		Cibicides pseudoungerianus				
		2070-2100	X		Bulimina aculeata, Bolivina pseudoplicata, Bolivina spathulata, Epistominella nipponica, Cassidulina subglobosa, Pullenia bulloides				
		2160-2190	X		Lagena costairregularis, Cibicides aff. rotundatus, Cibicides scaldsiensis, Cassidulina laevigata var. pliocarinata, Globigerina pachyderma, Globigerina bulloides	Influx of planktonic foraminifera		Lagena costairregularis-Cassidulina laevigata var. pliocarinata-Globigerina-zone	PLIO
		2340-70	X		Elphidiella hannai, Cibicides grossa, Noion boueanum, Globorotalia crassaformis, Monspeliesina pseudotepida, Siphonotextularia sculpturata.	The in situ fauna consists mainly of a small number of calcareous benthonic tests.		Bulimina elongata-Asterigerina staeschei-Orbulina universa-zone	LATE MIOCENE
		2430-60	X		Margulinopsis akneriana, Sphaeroidina bulloides, Bulimina elongata, Angulogerina gracilis, Globorotalia opima gr.				
		2520-50	X		Stilostomella hirsuta, Angulogerina gracilis tennistriata, Uvigerina acuminata, U. Semiornata, Asterigerina staeschei, Globigerina angustumbilicata, G. ouachensis, G. praebulloides, G. prasaepis, Orbulina universa.				
		2610-40	X		Elphidium cf. antonium, E. hiltermanni, Globigerina officinalis, Nonion granosum.				
		2700-30	X					Loxostomum sinuosum-Gyroidinoides soldanii-Protelphidium roemeri-zone	
		2790-820	X		Loxostomum sinuosum, Epistominella oveyi, Globorotalia continuosa, Gyroidinoides soldanii gr.				
		2880-910	X		Protelphidium roemeri				
		2970-3000	X						
		3060-90	X		Barren	Barren of in situ foraminifera			
		3150-80	X						
		3240-70	X		Fronducularia seminuda, Valvulinera complanata, Alabamina tangentialis			Fronducularia seminuda-Valvulinera complanata-zone	? EARLY ?
		3330-60	X						
		3420-50	X						
		3510-40	X				A small number of calcareous benthonic tests (in situ).		
		3600-30	X		Ammodiscus incertus, Turrillina alsatica, Asterigerina gurichi			Asterigerina gurichi-Turrillina alsatica-zone	LATE
		3690-720	X						
		3780-810	X		Stilostomella spinescens				
		3870-900	X	X	Bathysiphon — like fragments, Glomospira gordialis, Reophax spp., Haplophragmoides walteri, H. sp., Trochammina globigeriniformis, Trochammina spp., Eponides pygmeus	Influx of agglutinated tests		Glomospira Bathysiphon zone	MIDDLE
		3960-90	X						
		4050-80	X	X	Gyroidinoides mamillata			Gyroidinoides mamillata-Rotaliatina bulimoides-zone	
		4140-70	X		Glomospira charoides corona, Rotaliatina bulimoides,				
		4230-60	X	X	Cyclammina pauciloculata				
		4320-50	X		Cyclammina challinori, Ammobaculites sp., Spirosigmoinella sp. 1			Cyclammina challinori-Spirosigmoinella sp. 1.-zone	
		4410-40	X		Haplophragmoides kirki, Cyclammina placenta gr.,				
	4500-30	X		Trochammina cf. subvesicularis					
	4590-620	X		Ammolagena clavata, Karreriella cf. apicularis Ammodiscus spp.			Glomospira charoides corona-Trochammina cf. subvesicularis-Ammolagena clavata-zone	LATE	
	4680-710	X							
	4770-800	X							
	4860-90	X		Trochaminoides irregularis, Cyclammina cancellata gr.					
	4950-80	X		Spiroplectammina cf. spectabilis, Spirosigmoinella sp. 2.					
	5040-70	X		Trochaminoides cf. coronatus			Cyclammina pauciloculata-Haplophragmoides kirki-Spiroplectammina cf. spectabilis-zone	MIDDLE / EARLY	
	5130-60	X							
	5220-50	X							
	5310-40	X							
	5400-30	X		Cyclammina amplexans			Cyclammina amplexans-zone		
	5490-520	X							
	5580-610	X		Coccinodiscus spp., greenstained radiolarians					
	5670-700	X							
	5750-60	X		Cement	No microfossils recorded				
	5820-50	X							
	5910-40	X		Lenticulina cultrata, Coccinodiscus sp. 1, Spiroplectammina spectabilis	Influx of diatoms and radiolarians.		Coccinodiscus sp. 1-Ammodiscus incertus-Spiroplectammina spectabilis-zone		
	6000-30	X		Textularia plummerae, greenstained radiolarians, Ammodiscus incertus.					
	6090-120	X							
	6120-50	X		Globorotalia pseudobulloides, G. compressa, Subbotina triloculinoides, Globoconusa daubjergensis, Nordsoina sp., Gavelinella vomboensis, Rzehakina epigona, Anomalina velascoensis	Influx of planktonic foraminifera		Globoconusa daubjergensis-Anomalina velascoensis-zone	DANIAN	
	6180-210	X							
	6210-22	X		Dorothia bulleeta, D. oxycona, Chiloguembelina sp.					