44. SHORE LABORATORY REPORT ON THE FORAMINIFERA FROM LEG 27 SITES, DEEP SEA DRILLING PROJECT

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Tables 1 through 5 show the distribution of planktonic foraminifera at Leg 27 sites, with indication of abundance and preservation. The symbols used in the tables are as follows:

Relative Abundance

- 0—Absent
- 1—Rare (1-10 specimens)
- 2—Moderately rare (11-25 specimens)
- 3—Common (26-50 specimens)
- 4—Abundant (51-100 specimens)

5—Very abundant (100 specimens)

*—Hundred to thousands of specimens

P—Present

Preservation

- D—Dissolution
- M—Mechanical erosion
- R—Reworked
- C—Chalky matrix
- P—Poor preservation
- mf—Mixed fauna

TABLE 1
Distribution of Foraminifera, Site 259

Age	Pleistocene	?																							
Zone	<i>Globorotalia truncatulinoides</i>	?																							
Sample (Interval in cm)	1-2, 74-76 1-3, 35-37 1-4, 75-77 1-5, 76-78 1-6, 75-77 3-1, 70-72 3-2, 95-97 4-1, 108-110 4-3, 90-92 4-4, 135-137 4-5, 99-101 4-6, 90-92 5-2, 60-62 5-3, 60-62 5-4, 60-62 5-5, 80-82 6-1, 60-62 6-2, 105-107 6-3, 60-62 6-4, 90-92 6-5, 70-72 6-6, 75-77 7-1, 110-112 7-2, 57-59 7-3, 114-116 7-4, 68-70 8-1, 61-63 8-2, 57-59 8-3, 125-127 8-4, 69-71 8-5, 43-45 8-6, 90-92																								
Total Abundance/Preservation	4D4D3D3D1D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1D	0	0	0	0	0	0	0	0
<i>Globorotalia inflata</i>	* * 5 4 1																								
<i>G. menardii</i>	1 1 0 1 0																								
<i>G. truncatulinoides</i>	2 1 1 0 0																								
<i>G. crassaformis</i>	1 0 0 0 0																								
<i>Globigerina falconensis</i>	1 0 0 0 0																								
<i>Globigerinoides trilobus</i>	1 0 0 1 0																								
<i>G. conglobatus</i>	1 1 0 0 0																								
<i>G. ruber</i>	1 0 0 0 0																								
<i>Globigerina dutertrei</i>	1 1 1 0 0																								
<i>Globigerinita glutinata</i>	1																								

TABLE 2
Distribution of Foraminifera, Site 260

Age	a	b	?
Zone	c	d	?
Sample (Interval in cm)	1-1, 24-26 1-3, 50-52 2-2, 64-66 2-3, 19-21 3-1, 105-107 3-2, 43-45 3-3, 44-46 3-4, 93-95 3-5, 53-55 3-6, 41-43 4-1, 50-52 4-5, 53-55 4-6, 2-4		
Total Abundance/Preservation	3D 0	0 4	1D 1D 0 1D 4D 4D 1D 0 0
<i>Globorotalia truncatulinoides</i>	1	0	
<i>G. unguolata</i>	1	0	
<i>G. tosaensis</i>	1	0	
<i>Globigerinoides ruber</i>	3	0	
<i>Orbulina universa</i>	2	3	
<i>Globigerinoides sacculifer</i>	2	0	
<i>Globigerinita glutinata</i>	4	0	
<i>Globigerinella aequilateralis</i>	3	0	
<i>Globigerina dutertrei</i>	2	0	
<i>G. hexagona</i>	2	0	
<i>G. falconensis</i>	2	0	
<i>Globigerinoides trilobus</i>	2	5	
<i>G. obliquus</i>	1	4	
<i>Globorotalia crassaformis</i>	1	1	
<i>Pulleniatina obliquiloculata</i>	1	0	
<i>Candeina nitida</i>	1	0	
<i>Globorotalia tumida</i>		4	
<i>G. cf. pertenuis</i>		3	
<i>Globoquadrina altispira</i>		5	
<i>Pulleniatina primalis</i>		2	
<i>Sphaeroidinellopsis seminulina</i>		4	
<i>S. subdehiscens</i>		4	P P
<i>Globoquadrina dehiscens</i>		1	mf mf
<i>Globorotalia multicamerata</i>		1	mf mf
<i>Globigerina conglomerata</i>		5	mf mf
<i>Globorotalia tumida flexuosa</i>		4	mf mf
<i>G. acostaensis humerosa</i>		1	
<i>Morozovella, Globigerapsis</i> ^e			P P
<i>Globotruncana Rugoglobigerina etc.</i> ^f			P P
<i>Globigerina sellii</i>			P P
<i>Globigerinoides sicanus</i>			P P

^a Pleistocene^b Lower Pliocene^c *Globorotalia truncatulinoides*^d *Globorotalia margaritae*^e Eocene^f Cretaceous

TABLE 3
Distribution of Foraminifera, Site 261

Age	?
Zone	?
Sample (Interval in cm)	3-2, 80-82 3-3, 6-8 3-4, 22-24 4-2, 25-26
Total Abundance/Preservation	0 0 0 0

TABLE 4
Distribution of Foraminifera, Site 262

Age	Holocene - Pleistocene																Pleistocene																				
Zone	<i>Globorotalia truncatulinoides</i>																																				
Sample (Interval in cm)	1-2, 91-93	1-3, 120-122	1-4, 75-77	2-2, 66-68	2-3, 114-116	2-4, 33-35	3-2, 41-43	3-3, 108-110	3-4, 62-64	3-5, 128-130	3-6, 80-82	4-2, 118-120	4-3, 72-74	4-4, 37-39	5-1, 82-84	5-3, 65-67	5-4, 125-127	5-5, 68-70	5-6, 65-67	6-1, 8-9	6-2, 50-52	6-4, 45-47	6-5, 60-62	6-6, 45-47	7-3, 89-91	7-4, 23-25	7-5, 4-6	7-6, 52-54	8-1, 58-60	8-4, 79-81	8-5, 80-82	8-6, 11-13	8-7, 22-24	8-8, 35-37	9-1, 88-90		
Total Abundance/Preservation	1	0	1	D	3	3	1	2	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	2	3	3	3	3	3	3	3	4	3	3	3	3	4
<i>Pulleniatina obliquiloculata</i>	1	0	1	2			1	1	1	1	1	2	1	1	1	2	2	2	2	1	1	2	1	1	2	2	2	2	1	2	2	2	2	2	2	2	2
<i>Orbulina universa</i>			1	2	2	1	1	2	2	2	2	1	1	2	1	1	2	2	2	1	2	2	2	1	2	2	1	1	1	2	2	2	2	2	1	2	
<i>Globigerinoides ruber</i>			2	2			2	3	2	2	2	3	3	3	3	4	3	3	3	2	3	3	3	2	3	3	3	3	3	3	4	5	4	3	4		
<i>G. sacculifer</i>	1	0	4	4	1	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	0	2	1	1	3	1	1	
<i>Globorotalia menardii</i>			3	4	1	2	2	2	2	2	3	3	3	3	3	4	3	3	3	2	3	3	2	2	2	2	2	2	3	3	3	3	4	3	4		
<i>G. tumida</i>			1	1		1	1	1	1	1	1	0	0	0	0	1	0	0	0		1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	
<i>Globigerinella aequilateralis</i>			1	3	1	1	2	1	1	1	1	1	2	2	2	3	2	2	2	1	3	2	2	1	2	2	2	2	2	2	2	3	2	2	2		
<i>Globigerina dutertrei</i>			1	3	1	2	3	3	2	2	3	3	3	3	3	4	3	3	3	1	3	3	3	2	3	3	3	3	3	3	4	5	3	3	4		
<i>Hastigerina pelagica</i>			1	1		0	0	0	0	0	0	0	0	0	0	0	0	0	0																		
<i>Globigerinoides conglobatus</i>			1	1		0	0	0	1	0	1	0	1	0	1	1	0	0	1	1	1	0	0	0	1	1	0	1	1	1	1	1	0	1	1		
<i>Globigerinita glutinata</i>			1	1		0	1	0	0	0	0	0	0	0	0	0	0	0	0																		
<i>Globigerina digitata</i>			1	1		0	0	0	0	0	0	0	0	0	0	0	0	0	0																		
<i>G. rubescens</i>			1	1		1	0	0	0	0	0	0	0	0	1	1	1	1	0																		
<i>Sphaeroidinella dehiscens</i>				1		0	0	0	0	0	0	0	0	0	0	1	0	0	0							1	0	0	0	0	0	0	0	0	0		
<i>Globorotalia truncatulinoides</i>				1		0	0	0	0	0	0	0	0	0	0	0	0	0	0																		
<i>G. hirsuta</i>				1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0																		
<i>G. crassaformis</i>						1	1	1	1	1	1	1	0	0	0	0	0	0	0				1	2	1	1	1	1	1	2	2	2	3	1	1	2	
<i>Globigerina calida</i>												1	0	1	0	1	0	0	0											1	1	0	0	0	1		
<i>Globorotalia scitula</i>																1	0	0	0																		
<i>Candeina nitida</i>																																					
<i>Globigerinella adamsi</i>																																					
<i>Globigerina conglomerata</i>																																					
<i>G. quinqueloba</i>																																					
<i>Globorotalia pseudopima</i>																																					
<i>G. cf. pseudopima</i>																																					
<i>G. tumida flexuosa</i>																																					
<i>G. tosaensis</i>																																					
<i>Globigerina calida praecalida</i>																																					
<i>Pulleniatina primalis</i>																																					
<i>Globigerina falconensis</i>																																					
<i>Globigerinoides fistulosus</i>																																					
<i>Globorotalia exilis</i>																																					
<i>G. acostaensis</i>																																					

TABLE 4 – Continued

Age	Pleistocene																																					
Zone	<i>Globorotalia truncatulinoides</i>																																					
Sample (Interval in cm)	17-3, 54-56	17-4, 45-47	17-5, 12-14	17-6, 20-22	18-1, 14-16	18-2, 11-13	18-3, 46-48	18-5, 136-138	18-6, 54-56	19-1, 81-83	19-2, 63-65	19-3, 44-46	19-4, 43-45	19-5, 31-33	19-6, 42-44	20-1, 48-50	20-2, 52-54	20-3, 59-61	20-4, 50-52	20-5, 61-63	20-6, 58-60	21-1, 15-17	21-2, 43-45	21-3, 62-64	21-4, 67-69	21-5, 45-47	21-6, 30-32	22-2, 42-44	22-3, 45-47	22-4, 45-47	22-5, 7-9	23-1, 132-134	23-2, 19-21	23-3, 45-47	23-4, 44-46			
Total Abundance/Preservation	4	4	4	4	4	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	2	5	5	5	4D	4D	4D	4D	3D	3D	3D	4D	4D	4D	4D		
<i>Pulleniatina obliquiloculata</i>	3	4	4	4	3	3	3	2	3	4	2	3	3	3	3	3	4	4	4	4	4	2	5	5	5	5	3	4	5	4	4	3	3	3	5	*		
<i>Orbulina universa</i>	3	3	3	2	3	3	2	3	3	5	5	4	4	4	4	3	4	3	5	3	3	5	5	5	5	4	0	1	5	3	3	3	4	*	5	*		
<i>Globigerinoides ruber</i>	*	*	*	*	*	*	*	*	*	*	*	5	5	5	5	5	5	5	5	5	5	5	*	*	*	*	*	*	*	5	5	5	5	*	5	*		
<i>G. sacculifer</i>	2	3	3	2	1	3	2	2	2	2	2	4	3	3	2	4	4	4	5	3	3	5	5	5	5	4	3	3	5	5	3	2	5	4	5	5		
<i>Globorotalia menardii</i>	5	5	5	5	5	5	5	5	5	5	5	5	4	4	5	5	4	4	5	4	4	*	*	*	5	5	5	5	4	3	3	4	3	5	5			
<i>G. tumida</i>	0	0	0	0	0	0	1	0	0	0	1	0	0	0		2	2	2	1	0	1	0	0	0	0	0	0	0	2	0	0	0	1	1	1	0		
<i>Globigerinella aequilateralis</i>	3	2	2	1	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	1	1	3	4	4	2	2	2	2	0	1	0	1	2	1	2			
<i>Globigerina dutertrei</i>	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	3	3	3	5	5	5	5	5	5	5	5	4	4	4	3	3	3			
<i>Hastigerina pelagica</i>																																						
<i>Globigerinoides conglobatus</i>	2	3	3	2	1	1	1	2	2	1	2	2	1	1	1	1	2	2	2	1	2	3	4	4	3	3	3	3	2	2	2	1	1	1	4			
<i>Globigerinita glutinata</i>	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	5	5	5	4	5	4	4	4	4	4	5	4	4	3		
<i>Globigerina digitata</i>																																						
<i>G. rubescens</i>	1	1	1	1	1	1	1	2	1	3	3	1	3	3	3	3	3	3	3	3	3	1	5	5	3	3	4	3	3	2	2	3	3	3	2			
<i>Sphaeroidinella dehiscentis</i>	1	0	1	1	0	1	1	0	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	0	0	1	0	1	1	1	1	1	1	0		
<i>Globorotalia truncatulinoides</i>	2	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0				
<i>G. hirsuta</i>																																						
<i>G. crassaformis</i>	3	2	2	2	1	2	3	2	2	1	2	2	1	1	2	2	1	1	1	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	1			
<i>Globigerina calida</i>	2	2	1	1	0	0	0	1	1	0	0	1	1	1	2	1	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	1			
<i>Globorotalia scitula</i>																																			1			
<i>Candeina nitida</i>																																			1			
<i>Globigerinella adamsi</i>																																						
<i>Globigerina conglomerata</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0																							
<i>G. quinqueloba</i>	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0																							
<i>Globorotalia pseudopima</i>																																						
<i>G. cf. pseudopima</i>											1	1	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
<i>G. tumida flexuosa</i>																												2	0	0	0	0	0	0	0			
<i>G. tosaensis</i>																																						
<i>Globigerina calida praecalida</i>																																						
<i>Pulleniatina primalis</i>																																						
<i>Globigerina falconensis</i>																																						
<i>Globigerinoides fistulosus</i>																																						
<i>Globorotalia exilis</i>																																						
<i>G. acostaensis</i>																																						

TABLE 4 – Continued

Age	Pleistocene																																							
Zone	Globorotalia truncatulinoides																																							
Sample (Interval in cm)	32-4, 50-52	32-5, 12-14	32-6, 15-17	33-1, 58-60	33-2, 48-50	33-3, 48-50	33-4, 30-32	33-5, 20-22	33-6, 30-32	34-1, 45-47	34-2, 40-42	34-3, 34-36	34-4, 30-32	35-1, 131-133	35-2, 46-48	35-3, 41-43	35-4, 32-34	35-5, 50-52	35-6, 50-52	36-1, 40-42	36-2, 40-42	36-3, 40-42	36-4, 20-22	36-5, 41-43	36-6, 46-48	37-1, 11-13	37-2, 25-27	37-3, 54-56	37-4, 24-26	37-5, 6-8	37-6, 10-12	38-1, 17-19	38-2, 18-20	38-3, 43-45	38-4, 27-29					
Total Abundance/Preservation	4D	3D	3D	3D	3D	4D	3D	3D	3D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D	4D			
<i>Pulleniatina obliquiloculata</i>	*	P	P	P	P	P	P	P	P	*	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	*	P	P	P	P	P	P	P	P	P	P			
<i>Orbulina universa</i>	3	P	P	P	P	P	P	P	P	4	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	5	P	P	P	P	P	P	P	P	P	P			
<i>Globigerinoides ruber</i>	*	P	P	P	P	P	P	P	P	*	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	*	P	P	P	P	P	P	P	P	P	P			
<i>G. sacculifer</i>	*	P	P	P	P	P	P	P	P	*	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	*	P	P	P	P	P	P	P	P	P	P			
<i>Globorotalia menardii</i>	*	P	P	P	P	P	P	P	P	5	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	3	P	P	P	P	P	P	P	P	P	P			
<i>G. tumida</i>	1	0	0	0	P	P	P	P	P	2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	0	0	0	0	P	0	P	P	P	P	0	0			
<i>Globigerinella aequilateralis</i>	0	0	0	0	0	0	0	0	P	1	0	0	0	0	0	0	0	0	P	P	P	P	0	0	0	0	0	0	0	0	0	0	0	P	P	0	0			
<i>Globigerina dutertrei</i>	*	P	P	P	P	P	P	P	P	*	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	*	P	P	P	P	P	P	P	P	P	P			
<i>Hastigerina pelagica</i>																																								
<i>Globigerinoides conglobatus</i>	2	0	P	P	P	P	P	0	P	2	0	P	0	P	P	0	0	P	P	P	P	P	P	0	0	0	1	P	P	0	0	P	P	P	0	0	0			
<i>Globigerinita glutinata</i>	5	P	P	P	P	P	P	P	P	5	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	5	P	P	P	P	P	P	P	P	P	P			
<i>Globigerina digitata</i>																																								
<i>G. rubescens</i>																																								
<i>Sphaeroidinella dehiscentis</i>	3	P	P	P	P	P	P	0	0	1	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	3	P	P	P	P	P	P	P	P	P	P				
<i>Globorotalia truncatulinoides</i>	1	0	0	0	P	P	0	P	P	1	0	0	0	P	P	0	0	0	P	0	0	P	0	0	P	0	1	P	P	P	P	0	P	P	0	0	0			
<i>G. hirsuta</i>																																								
<i>G. crassaformis</i>																P	P	P	P	P	P	P	P	P	P	P	1	0	P	P	P	P	0	0	0	P				
<i>Globigerina calida</i>																																								
<i>Globorotalia scitula</i>																																								
<i>Candeina nitida</i>	0	0	0	0	0	0	0	0	0																									P	0	0	0			
<i>Globigerinella adamsi</i>																																								
<i>Globigerina conglomerata</i>																																								
<i>G. quinqueloba</i>																																								
<i>Globorotalia pseudopima</i>	2	P	P	P	P	P	P	P	P	2	P	P	P	P	P	P	P	0	P	P	P	P	0	P	P	0	3	P	P	P	P	P	P	P	P	P	P			
<i>G. cf. pseudopima</i>																																								
<i>G. tumida flexuosa</i>															P																									
<i>G. tosaensis</i>	2	P	P	P	P	P	P	P	P	2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	2	P	P	P	P	P	P	P	P	P	P	P			
<i>Globigerina calida praecalida</i>																																								
<i>Pulleniatina primalis</i>	2	P	P	P	P	P	P	P	P	2	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	3	P	P	P	P	P	P	P	P	P	P	P			
<i>Globigerina falconensis</i>																																								
<i>Globigerinoides fistulosus</i>	0	0	0	0	0	0	0	0	0												P	0	0	0	0	1	0	P	P	0	P	P	P	0	0	0				
<i>Globorotalia exilis</i>										cf				cf																										
<i>G. acostaensis</i>										3cf	0	P	P	P	P	P	P	0	P	0	0	P	0	0	0	0	0						P	P	P	P	P			

TABLE 5
Distribution of Foraminifera, Site 263

Age	Pleistocene					a	
Zone	b					c	
Sample (Interval in cm)	1-2, 70-72	1-3, 34-36	2-2, 3-5	2-3, 0-2	2-4, 89-91	3-3, 68-70	3-6, 46-48
Total Abundance/Preservation	3D	4	4	4	2D	4D	4D
<i>Globorotalia truncatulinoides</i>	2	2	3	2	1	1	1
<i>G. menardii</i>	1	3	3	3	1	3	3
<i>G. inflata</i>	3	*	4	3	0	0	1
<i>G. crassaformis</i>	2	4	3	2	1	1	3
<i>Globigerina dutertrei</i>	3	4	5	5	1	1	0
<i>G. hexagona</i>	1	1	1	1	0	0	0
<i>Globigerinoides ruber</i>	3	5	*	*	0	*	*
<i>G. sacculifer</i>	3	*	*	*	1	*	*
<i>G. conglobatus</i>	1	2	3	3	0	0	2
<i>Globigerinella aequilateralis</i>	1	1	1	1	0	1	1
<i>Pulleniatina obliquiloculata</i>	1	2	3	3	1	1	2
<i>Sphaeroidinella dehiscens</i>		1	1	1	1	0	0
<i>Orbulina universa</i>		1	2	3	1	3	4
<i>Globorotalia scitula</i>			1	1	0	1	1
<i>G. tumida</i>			3	4	0	0	1
<i>Globoquadrina altispira</i>			R	R	0	2	3
<i>Globigerinita glutinata</i>		1	1	1	0	3	2
<i>Sphaeroidinellopsis seminulina</i>				R	0	0	1
<i>Candeina nitida</i>						1	1
<i>Globigerina falconensis</i>						3	3
<i>Globoquadrina dehiscens</i>						1	1
<i>Globotruncana</i>						R	0
<i>Globorotalia margaritae</i>						1	1
<i>Globigerinoides obliquus</i>						3	2
<i>Globorotalia cf. multicamerata</i>						1	1
<i>Globigerina bulloides</i>						1	0
<i>Globigerinoides fistulosus</i>							1
<i>Globorotalia humerosa</i>							1
<i>G. cf. pertenuis</i>							1

^aPleistocene/Pliocene ?

^b*Globorotalia truncatulinoides*

^cMixed Zonal Species