

K. I. MCGONIGAL AND S. W. WISE JR.
Eocene Calcareous Nanofossil Biostratigraphy

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Chapter 4, Table T1 (continued).

Age	Nannofossil zone/subzone		Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	Lithology	<i>Reticulofenestra hillae</i>	<i>Reticulofenestra placomorpha</i>	<i>Reticulofenestra reticulata</i>	<i>Reticulofenestra</i> spp. (<4µm)	<i>Reticulofenestra umbilica</i>	<i>Rhabdosphaera gladius</i>	<i>Rhabdosphaera inflata</i>	<i>Rhabdosphaera tenuis</i>	<i>Sphenolithus editus</i>	<i>Sphenolithus furcatolithoides</i>	<i>Sphenolithus heteromorphus</i>	<i>Sphenolithus moriformis</i>	<i>Sphenolithus obtusus</i>	<i>Sphenolithus radians</i>	<i>Sphenolithus spiniger</i>	<i>Thoracosphaera operculata</i>	<i>Toweius emimens</i>	<i>Toweius magnicrassus</i>	<i>Tribrachiatulus contortus</i>	<i>Tribrachiatulus orthostylus</i>	<i>Tribrachiatulus</i> spp.	<i>Zygrrhablithus bijugatus</i>	<i>Zygrrhablithus kerabyi</i>	Reworked Cretaceous
	Martini (1971)	Okada & Bukry (1980)																													
middle Eocene	NP16	CP14a	173-1067A-																												
			1R-1, 120-121	649.20	A	G	Greenish gray calcareous claystone	F										F	R		F										
			1R-2, 36-37	649.86	C	M	Greenish gray calcareous claystone	F																							
			1R-2, 122-123	650.72	A	M	Greenish gray calcareous claystone	F														F									
			1R-3, 36-37	651.36	A	M	Greenish gray calcareous claystone	F							F	F		F	F	F		F						A			
			1R-3, 121-122	652.21	A	M	Greenish gray calcareous claystone	R										F	R		R						F	R			
			1R-4, 31-32	652.81	F	M	Greenish gray calcareous claystone																								
			1R-CC, 21-23	653.53	V	G		C							F			F		C	F						A	R			
	NP15	CP13c	2R-1, 121-122	658.81	B	B	Grayish green claystone																								
			2R-2, 36-37	659.46	F	M	Grayish green claystone																								
			2R-2, 122-123	660.32	F	M	Greenish gray silty claystone	R												R								F			
			2R-3, 34-35	660.94	A	M	Grayish green claystone	R									F		F	F											
			2R-CC, 13-16	661.39	A	M		C					R	R		F		R		R							C				
		CP13b	3R-1, 34-35	667.64	V	G	Grayish green claystone	F		C					F	F	F	F		F	F		R				C			F	
			3R-2, 13-14	668.93	A	G	Greenish gray silty claystone	F										F		F	F						C				
			3R-2, 17-18	668.97	C	P	Light gray siltstone													R							F				
			3R-2, 123-124	970.03	R	P	Light gray siltstone																								
			3R-4, 39-40	672.19	A	M	Greenish gray silty claystone	F					R			F		F	R	R	F						A				
			3R-CC, 23-25	672.57	A	M					C							F		F	F						F				
			4R-1, 25-26	677.15	V	M	Greenish gray calcareous silty claystone					C					F		F	F	R						A				
			4R-1, 121-122	678.11	R	P	Grayish green claystone																								
			4R-2, 15-16	678.55	V	M	Greenish gray calcareous silty claystone	A			F				F			C	F	C	C		C			A	A		F		
			4R-2, 121-122	679.61	B	B	Light gray siltstone																								
			4R-3, 80-81	680.70	A	M	Greenish gray calcareous silty claystone			C			R		R	F		R	F	F							F		F		
			4R-3, 120-121	681.10	A	M	Grayish green claystone	R		A			R					F		R			R			F		F			
			4R-CC, 18-20	681.37	B	B																									
			5R-1, 32-33	686.82	V	M	Greenish gray calcareous claystone	F																							
			5R-1, 120-121	687.70	V	M	Grayish green claystone	F					R					F		F			F	R			C				
			5R-2, 23-24	688.23	F	M	Grayish green-brown claystone																								
			5R-2, 57-58	688.57	F	P	Moderate brown claystone																								
			5R-2, 120-121	689.20	C	P	Grayish green claystone																								
			5R-3, 8-9	689.36	V	G	Greenish gray calcareous claystone	F										F			F						C				
			5R-3, 48-49	689.76	A	M	Greenish brown claystone													F	F						C				
			5R-3, 102-103	690.30	V	M	Greenish gray calcareous claystone	F												F	F						A				
			5R-CC, 14-16	690.52	A	M					C									F							F				
		CP13a	6R-1, 5-6	696.15	V	P	Grayish green-brown claystone										F										A				
			6R-1, 18-20	696.28	C	M	Greenish gray calcareous claystone			F					F			F									C				
			6R-1, 36-38	696.46	A	M	Greenish gray calcareous claystone			F				R	F			F									C				
			6R-1, 63-65	696.73	V	M	Greenish gray calcareous claystone			A				R	F	F		C	R	C							A				
			6R-1, 82-83	696.92	A	M	Greenish gray calcareous claystone			A				F				C	F	F			F							F	

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Chapter 4, Table T1 (continued).

Age	Nannofossil zone/subzone		Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	Lithology	<i>Reticulofenestra hillae</i>	<i>Reticulofenestra placomorpha</i>	<i>Reticulofenestra reticulata</i>	<i>Reticulofenestra</i> spp. (<4µm)	<i>Reticulofenestra umbilica</i>	<i>Rhabdosphaera gladius</i>	<i>Rhabdosphaera inflata</i>	<i>Rhabdosphaera tenuis</i>	<i>Sphenolithus editus</i>	<i>Sphenolithus furcatolithoides</i>	<i>Sphenolithus heteromorphus</i>	<i>Sphenolithus moriformis</i>	<i>Sphenolithus obtusus</i>	<i>Sphenolithus radians</i>	<i>Sphenolithus spiniger</i>	<i>Thoracosphaera operculata</i>	<i>Toweius emimens</i>	<i>Toweius magnicrassus</i>	<i>Tribrachiatius contortus</i>	<i>Tribrachiatius orthostylus</i>	<i>Tribrachiatius</i> spp.	<i>Zygrrhablithus bijugatus</i>	<i>Zygrrhablithus kerabyi</i>	Reworked Cretaceous	
	Martini (1971)	Okada & Bukry (1980)																														
middle Eocene	NP15	CP13a	6R-1, 88-89	696.98	A	M	Moderate brown claystone				C				F				C	F												F
			6R-1, 121-123	697.31	V	M	Greenish gray calcareous claystone					F							F													
			6R-2, 30-31	697.90	A	M	Greenish gray calcareous claystone												F													
			6R-2, 86-87	698.46	C	P	Light gray calcareous siltstone			F	F		R	R					F													
			6R-CC, 18-20	699.26	V	G					C		R	F					R	R	F	R										
			7R-1, 30-31	706.10	A	M	Greenish gray calcareous claystone												F													
			7R-1, 122-123	707.02	V	G	Greenish gray nannofossil claystone			F	A		F		R				F	F		F										
			7R-2, 37-38	707.67	V	M	Grayish green calcareous claystone	F											F		F	F										
			7R-2, 117-118	708.47	V	M	Greenish gray calcareous claystone	F						C					C		F					R						
			7R-3, 32-33	709.12	A	M	Greenish gray calcareous claystone						R								R											
			7R-CC, 20-22	709.69	A	M													F	R												
	NP14	CP12b	8R-1, 34-35	715.84	A	P	Grayish green claystone				F		F						C	R	F	F										
			8R-1, 121-122	716.71	A	M	Greenish gray calcareous silty claystone	R			C								F													F
			8R-2, 36-37	717.36	C	P	Grayish green claystone				F																					
			8R-2, 126-127	718.26	A	M	Greenish gray calcareous silty claystone						A						F													
			8R-3, 38-39	718.88	V	M	Greenish gray calcareous silty claystone				C								R		F	R										
			8R-3, 118-119	719.68	C	P	Greenish brown claystone																									
			8R-4, 30-31	720.30	A	M	Greenish gray calcareous silty claystone				C		F						F		F					R						F
			8R-CC, 23-25	720.73	V	G									R						R											
			9R-1, 35-36	725.55	B	B	Moderate brown claystone																									
			9R-1, 121-123	726.41	C	P	Greenish brown claystone																									
		CP12a	9R-2, 36-37	727.06	V	M	Greenish gray calcareous siltstone	R	R		C										F											
			9R-2, 118-119	727.88	F	P	Greenish brown claystone												R													
			9R-3, 37-38	728.57	C	P	Moderate brown claystone												F													
			9R-3, 121-122	729.41	R	P	Moderate brown claystone																									
			9R-4, 36-37	730.06	B	B	Moderate brown claystone																									
			9R-4, 119-120	730.89	C	M	Greenish brown claystone																									
early Eocene	NP13	CP11	9R-5, 36-37	731.56	A	M	Greenish gray calcareous siltstone																									
			9R-CC, 21-22	732.37	C	M																										
			10R-1, 44-45	735.24	C	M	Grayish green silty claystone																									
			10R-1, 120-121	736.00	F	M	Greenish brown claystone																									
			10R-2, 38-39	736.68	B	B	Moderate brown claystone																									
			10R-3, 35-36	738.15	C	P	Grayish green-brown silty claystone												F		F											
			10R-4, 35-36	739.15	C	M	Grayish green silty claystone												R													
			10R-CC, 15-17	739.57	C	M	Greenish claystone														F											
			10R-CC, 33-34	739.73	F	M	Light gray calcareous siltstone							R																		
			11R-1, 36-37	739.96	B	B	Moderate brown claystone																									
			11R-1, 119-120	740.79	C	M	Grayish green silty claystone																									
	NP11	CP9b	11R-2, 36-37	714.46	A	P	Grayish brown claystone												A		C											
			11R-2, 121-122	742.31	C	M	Grayish green silty claystone												R													

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Notes: Abundance: V = very abundant, A = abundant, C = common, F = few, R = rare, B = barren. Preservation: G = good, M = moderate, P = poor.

Chapter 4, Table T1 (continued).

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Chapter 4, Table T1 (continued).

Age	Nannofossil zone/subzone		Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	Lithology	<i>Reticulofenestra hilla</i> <i>Reticulofenestra placomorpha</i> <i>Reticulofenestra reticulata</i> <i>Reticulofenestra</i> spp. (<4µm) <i>Reticulofenestra umbilica</i> <i>Rhabdosphaera gladius</i> <i>Rhabdosphaera inflata</i> <i>Rhabdosphaera tenuis</i> <i>Sphenolithus edithus</i> <i>Sphenolithus furcatolithoides</i> <i>Sphenolithus heteromorphus</i> <i>Sphenolithus moriformis</i> <i>Sphenolithus obtusus</i> <i>Sphenolithus radicans</i> <i>Sphenolithus spiniger</i> <i>Thoracosphaera operculata</i> <i>Toweius eminiensis</i> <i>Toweius magnicrassus</i> <i>Tribrochiatius contortus</i> <i>Tribrochiatius orthostylus</i> <i>Tribrochiatius</i> spp. <i>Zygirhablithus bijugatus</i> <i>Zygirhablithus kerabyi</i> <i>Bowditchia</i> <i>cretae</i>		
	Martini (1971)	Okada & Bukry (1980)								
early Eocene	NP11	CP9b	11R-3, 40-41	743.00	A	P	Pale brown claystone			
			11R-4, 26-27	743.86	A	M	Pale brown claystone			
			11R-4, 50-51	744.10	C	M	Pale brown claystone			
			11R-CC, 14-16	744.31	C	M				
			12R-1, 0-1	744.50	B	B	Moderate brown claystone			
			12R-1, 10-11	744.60	C	P	Moderate brown claystone			
			12R-1, 46-47	744.96	C	M	Grayish orange calcareous claystone			
			12R-2, 15-16	745.65	C	P	Moderate brown claystone			
			12R-2, 24-25	745.74	A	M	Greenish gray sandy siltstone			
			12R-2, 47-48	745.97	R	B	Moderate brown claystone			
			12R-CC, 0-1	746.09	C	M	Moderate brown claystone			
			12R-CC, 9-10	746.18	C	P	Moderate brown claystone			
			12R-CC, 10-12	746.19	C	M	Greenish gray sandy siltstone			
	NP10	CP9a	12R-CC, 25-27	746.34	A	M				
			13R-1, 7-8	754.27	B	B	Dark greenish gray brown claystone			
			13R-1, 30-31	754.50	A	M	Grayish green nannofossil claystone			