

Chapter 11, Table T3. Stratigraphic occurrence and relative abundance of diatom taxa from the Pliocene and Pleistocene, Site 1091.

Notes: Abundance: D = dominant, A = abundant, C = common, F = few, R = rare, T = trace, X = present. Preservation: G = good, M = moderate, P = Poor.

Table T3. Stratigraphic occurrence and relative abundance of diatom taxa from the Pliocene and Pleistocene, Site 1091. (Continued on next 14 pages.)

Diatom zone	Core, section, interval (cm)	Depth (mcd)	Depth abundance, cleaned slide	Diatom abundance, uncleaned slide	Diatom preservation						
<i>T. lentiginosa</i> subzone c	177-1091A-1H-1, 79–80	0.79	A	G–M	R	R					
	1H-3, 79–80	3.79	A	M							
	1H-5, 79–80	6.70	A	G							
	2H-1, 79–80	10.61	A	M							
	2H-3, 79–80	13.61	A	M							
	2H-4, 79–80	15.11	A	M							
	2H-5, 79–80	16.61	A	M							
	3H-1, 79–80	19.37	A	M	R						
					T						
<i>T. lentiginosa</i> subzone b	3H-2, 79–80	20.87	A	M							
	3H-3, 79–80	22.37	A	M							
	3H-5, 79–80	25.37	A	M							
	3H-6, 79–80	26.87	A	G							
	4H-1, 79–80	29.89	A	G							
	4H-3, 79–80	32.89	A	M							
	4H-6, 79–80	37.39	A	M–G							
	5H-1, 79–80	39.24	A	M–G							
	5H-2, 79–80	40.74	A	M							
	5H-3, 79–80	42.24	A	M							
	5H-5, 79–80	45.24	A	G							
	5H-CC, 9–15	47.14	A	G–M							
	177-1091D-5H-CC, 11–16	48.70	A	G–M	T						
	177-1091E-5H-CC, 6–11	49.17	A	G	T						
	177-1091A-6H-1, 81	49.91	A	M	T						
<i>T. lentiginosa</i> subzone a	6H-1, 135	50.46	A	M	R						
	6H-2, 79–80	51.40	A	M	F						
	6H-4, 79–80	54.40	A	M	R						
	6H-5, 79–80	55.90	A	G	R						
	6H-6, 79–80	57.40	A	M							
	7H-2, 79–80	60.18	A	M							
	7H-4, 79–80	63.18	A	G–M							
	7H-6, 79–80	66.18	A	G–M							
	7H-7, 80–81	67.69	A	M							
	8H-1, 79–80	70.32	A	M							
	8H-3, 79–80	73.32	A	M							
	8H-4, 79–80	74.82	A	G–M							
	8H-CC, 15–20	76.25	A	M							
	9H-1, 79–80	79.38	A	M							
	9H-2, 79–80	80.88	A	G–M	T						

Table T3 (continued).

Diatom zone	Core, section, interval (cm)	<i>Actinocyclus</i> sp. M	<i>Asteromphalus hookeri</i>	<i>Asteromphalus hyalinus</i>	<i>Asteromphalus parvulus</i>	<i>Azpeitia nodulifer</i>	<i>Azpeitia tabularis</i>	<i>Azpeitia</i> sp. A	<i>Chaetoceros</i> spp. (resting spores)	<i>Carethon criophilum</i>	<i>Coscinodiscus marginatus</i>	<i>Coscinodiscus ovaloides</i>	<i>Coscinodiscus oculus-iridis</i>	<i>Coscinodiscus radiatus</i>	<i>Coscinodiscus</i> spp.	<i>Diploneis</i> spp.	<i>Ethmodiscus rex</i>	<i>Eucampia antarctica</i>	<i>Fragilariopsis aurita</i>	<i>Fragilariopsis barronii</i>	Transition <i>F. barronii</i> / <i>F. kerguelensis</i>	<i>Fragilariopsis clementia</i>	<i>Fragilariopsis curta</i>	<i>Fragilariopsis cylindrus</i>	<i>Fragilariopsis efferaans</i>	<i>Fragilariopsis fossilis</i>	<i>Fragilariopsis interdigitoria</i>	<i>Fragilariopsis kerguelensis</i>	<i>Fragilariopsis linearis</i>	<i>Fragilariopsis natuyamae</i>	<i>Fragilariopsis natuyamae</i> var. <i>heteropola</i>
<i>T. lentiginosa</i> subzone c	177-1091A-1H-1, 79-80	T	T	F	F	F	F	T	T	R	F	F	F	F	F	R	T	A	T												
	1H-3, 79-80	T	T	F	F	F	F	R	F	R	F	F	F	F	F	R	A	A	A												
	1H-5, 79-80	T	T	F	F	F	F	T	R	R	R	R	R	R	R	T	A	D	D												
	2H-1, 79-80	T	T	F	F	F	F	T	R	R	R	R	R	R	R	T	D	D	R												
	2H-3, 79-80	T	T	R	F	F	F	T	R	R	R	R	R	R	R	T	D	D	R												
	2H-4, 79-80	T	T	R	C	F	R	T	R	T	R	F	F	F	R	F	A	A	R												
	2H-5, 79-80	T	T	R	C	F	R	T	R	T	R	F	F	F	R	F	A	A	R												
	3H-1, 79-80	T	T	R	F	R	T	T	R	T	R	F	F	F	R	F	A	A	R												
	177-1091B-3H-2, 79-80	T	R	F	F	F	T	T	R	R	R	R	R	R	R	R	A	A	A												
	3H-3, 79-80	R	F	F	F	F	T	T	R	R	R	R	R	R	R	R	D	D	R												
<i>T. lentiginosa</i> subzone b	3H-5, 79-80	T	F	R	F	F	T	T	R	R	R	R	R	R	R	R	D	D	D												
	3H-6, 79-80	T	F	R	F	F	T	T	R	R	R	R	R	R	R	R	D	D	R												
	4H-1, 79-80	R	T	R	F	F	T	T	R	R	R	R	R	R	R	R	D	D	D												
	4H-3, 79-80	T	R	F	F	F	T	T	R	R	R	R	R	R	R	R	D	D	R												
	4H-6, 79-80	T	R	C	F	F	T	T	R	R	R	R	R	R	R	R	D	D	D												
	5H-1, 79-80	R	T	F	F	F	T	T	R	R	R	R	R	R	R	R	D	D	R												
	5H-2, 79-80	T	R	F	F	F	T	T	R	R	R	R	R	R	R	R	D	D	R												
	5H-3, 79-80	T	R	F	F	F	T	T	R	R	R	R	R	R	R	R	D	D	R												
	5H-5, 79-80	T	T	F	F	F	T	T	R	R	R	R	R	R	R	R	D	D	R												
	5H-CC, 9-15	T	T	F	F	F	T	T	R	R	R	R	R	R	R	R	D	D	R												
<i>T. lentiginosa</i> subzone a	177-1091D-3H-2, 79-80	T	R	F	F	F	T	T	R	R	R	R	R	R	R	R	A	A	A												
	177-1091E-3H-3, 79-80	T	F	F	F	F	T	T	R	R	R	R	R	R	R	R	A	A	A												
	177-1091F-3H-4, 79-80	T	F	F	F	F	T	T	R	R	R	R	R	R	R	R	A	A	A												
	177-1091G-3H-5, 79-80	T	F	F	F	F	T	T	R	R	R	R	R	R	R	R	A	A	A												
	177-1091H-3H-6, 79-80	T	F	F	F	F	T	T	R	R	R	R	R	R	R	R	A	A	A												
	177-1091I-3H-7, 79-80	T	F	F	F	F	T	T	R	R	R	R	R	R	R	R	A	A	A												
	177-1091J-3H-8, 79-80	T	F	F	F	F	T	T	R	R	R	R	R	R	R	R	A	A	A												
	177-1091K-3H-9, 79-80	T	F	F	F	F	T	T	R	R	R	R	R	R	R	R	A	A	A												
	177-1091L-3H-10, 79-80	T	F	F	F	F	T	T	R	R	R	R	R	R	R	R	A	A	A												
	177-1091M-3H-11, 79-80	T	F	F	F	F	T	T	R	R	R	R	R	R	R	R	A	A	A												
<i>T. lentiginosa</i> subzone a	6H-1, 135	T	R	F	R	C	T	X	R	F	F	F	F	X	T	R	D	A	A												
	6H-2, 79-80	T	R	F	R	C	T	X	R	F	F	F	F	X	T	T	A	A	A												
	6H-4, 79-80	T	R	F	R	C	T	X	R	F	F	F	F	X	T	T	A	A	A												
	6H-5, 79-80	T	R	F	R	F	T	X	R	F	F	F	F	X	T	T	A	A	A												
	6H-6, 79-80	T	R	F	R	F	T	X	R	F	F	F	F	X	T	T	A	A	A												
	7H-2, 79-80	T	R	F	R	F	T	X	R	F	F	F	F	X	T	T	A	A	A												
	7H-4, 79-80	T	R	F	R	F	T	X	R	F	F	F	F	X	T	T	A	A	A												
	7H-6, 79-80	T	R	F	R	F	T	X	R	F	F	F	F	X	T	T	A	A	A												
	7H-7, 80-81	R	T	R	R	F	T	X	R	F	F	F	F	X	T	T	A	A	A												
	8H-1, 79-80	T	R	F	R	F	T	X	R	F	F	F	F	X	T	T	A	A	A												
<i>T. lentiginosa</i> subzone a	8H-3, 79-80	R	R	F	F	F	T	X	R	F	F	F	F	X	T	T	A	A	A												
	8H-4, 79-80	R	T	F	F	F	T	X	R	F	F	F	F	X	T	T	D	D	R												
	8H-CC, 15-20	R	R	R	R	F	T	X	R	F	F	F	F	X	T	T	D	D	T												
	9H-1, 79-80	R	T	T	R	R	T	X	R	F	F	F	F	X	T	T	D	D	T												
	9H-2, 79-80	R	R	R	R	F	T	X	R	F	F	F	F	X	T	R	D	D	T												
	10H-1, 79-80	R	R	R	R	F	T	X	R	F	F	F	F	X	T	T	D	D	T												
	10H-2, 79-80	R	R	R	R	F	T	X	R	F	F	F	F	X	T	T	D	D	T												
	10H-3, 79-80	R	R	R	R	F	T	X	R	F	F	F	F	X	T	T	D	D	T												
	10H-4, 79-80	R	R	R	R	F	T	X	R	F	F	F	F	X	T	T	D	D	T												
	10H-5, 79-80	R	R	R	R	F	T	X	R	F	F	F	F	X	T	T	D	D	T												

Table T3 (continued).

Table T3 (continued).

Diatom zone	Core, section, interval (cm)	Rhizosolenia polydactyla f. polydactyla Rhizosolenia sp. cf. styliformis (big form) Rhizosolenia sp. B Rhizosolenia sp. C Rouxia antarctica	Rouxia constricta Rouxia cf. californica Rouxia leventiae Rouxia nivaloides Stellaria micotrichia	Stephanoprysia turris group	Thalassionema bacillaris Thalassionema nitzschioides var. cf. antiqua	Thalassionema nitzschioides var. capitulata Thalassionema nitzschioides var. claviformis Thalassionema nitzschioides var. incurvata Thalassionema nitzschioides var. inflata Thalassionema nitzschioides var. lanceolata Thalassionema nitzschioides var. parva	Thalassiosira antarctica Thalassiosira complicata Thalassiosira convexa Thalassiosira eccentrica Thalassiosira elliptipora Thalassiosira elliptipora var. A Thalassiosira fasciculata Thalassiosira ferelinacea	Thalassiosira fringuelliopsis/frenquelli group
<i>T. lentiginosa</i> subzone c	177-1091A- 1H-1, 79-80 1H-3, 79-80 1H-5, 79-80 2H-1, 79-80 2H-3, 79-80 2H-4, 79-80 2H-5, 79-80 3H-1, 79-80	R R T	T R R	R	T T	T T	T R	T R
<i>T. lentiginosa</i> subzone b	3H-2, 79-80 3H-3, 79-80 3H-5, 79-80 3H-6, 79-80 4H-1, 79-80 4H-3, 79-80 4H-6, 79-80 5H-1, 79-80 5H-2, 79-80 5H-3, 79-80 5H-5, 79-80 5H-CC, 9-15 177-1091D- 5H-CC, 11-16 177-1091E- 5H-CC, 6-11 177-1091A- 6H-1, 81	T T R T T T	T T T T T	T R R	T T R	T T T	R T T T T T	T R R R R R
<i>T. lentiginosa</i> subzone a	6H-1, 135 6H-2, 79-80 6H-4, 79-80 6H-5, 79-80 6H-6, 79-80 7H-2, 79-80 7H-4, 79-80 7H-6, 79-80 7H-7, 80-81 8H-1, 79-80 8H-3, 79-80 8H-4, 79-80 8H-CC, 15-20 9H-1, 79-80 9H-2, 79-80	R R F F F F F F F F R C	T T T T T T T T T T T C	R R	R R T T T R T R R	R R T T T R T T T	R R R R R R T T T	T R R R R R T T T

Table T3 (continued).

Table T3 (continued).

Diatom zone	Core, section, interval (cm)	Depth (mcd)	Depth abundance, cleaned slide	Diatom abundance, uncleaned slide	Diatom preservation						
<i>A. ingens</i>	9H-3, 79–80	82.38	A	G	T	<i>Actinocyclus actinochilus</i>	F	<i>Actinocyclus curvatus</i>	C	<i>Actinocyclus fasciculatus</i>	A
	9H-4, 79–80	83.88	A	G–M			F		F		F
	9H-5, 79–80	85.38	A	G–M					C		
	9H-CC, 11–16	86.67	A	M					A		
	10H-1, 79–80	89.82	A	M					F		
	10H-3, 79–80	92.82	A	G–M					F		
	10H-5, 79–80	95.82	A	G					F		
	11H-1, 79–80	99.69	A	G–M					F		
	11H-2, 79–80	101.19	A	M					C		
	11H-3, 79–80	102.69	A	M					C		
	11H-5, 79–80	105.69	A	M					C		
	11H-6, 79–80	107.19	A	M					A		
	12H-1, 79–80	110.69	A	M					C		
	12H-3, 79–80	113.69	A	M		T	C				
	12H-5, 79–80	116.69	A	G–M		T	F				
	13H-1, 79–80	119.47	A	M		T	F				
	13H-3, 79–80	122.47	A	M		T	F				
	13H-6, 79–80	126.97	A	M		R	F				
	14H-1, 79–80	131.04	A	M		T	C				
	14H-3, 79–80	134.04	A	M		T	F				
	14H-6, 79–80	138.54	A	M							
	15H-1, 79–80	141.77	A	M		R	F				
	15H-3, 79–80	144.77	A	M							
<i>A. ingens</i>	15H-4, 79–80	146.27	A	M	T	<i>Actinocyclus ingens</i> var. A	A	<i>Actinocyclus karsenii</i>		<i>Actinocyclus maccollumii</i>	
	15H-5, 79–80	147.77	A	M			C			<i>Actinocyclus sp.</i> cf. <i>actinochilus</i> , early form sensu Hanwood & Maruyama (1992)	
	15H-CC, 11–21	148.95	A	M		R	C			<i>Actinocyclus sp.</i> F	
	16H-2, 79–80	156.79	A	M		T	A			<i>Actinocyclus sp.</i> I	
	16H-4, 79–80	159.79	A	M		R	C				
	16H-CC, 11–16	162.94	A	M		T	A				
	17H-2, 79–80	165.14	A	G–M		T	A				
	17H-4, 79–80	168.14	A	M			A				
	17H-6, 29–30	170.64	A	M			A				
	18H-2, 79–80	176.42	A	G		T	A				
	18H-5, 79–80	180.92	A	G		R	D				
	19H-2, 79–80	187.56	A	M		T	D				
	19H-5, 79–80	192.06	A	M		T	D				
	20H-2, 79–80	198.37	A	G		T	D				
	20H-4, 79–80	201.37	A	M		T	A				
<i>A. ingens</i>	21H-1, 79–80	205.82	A	G–M	T	D					
	21H-2, 79–80	207.22	A	G–M							
	21H-3, 79–80	208.35	A	G		T	A				
	21H-4, 79–80	209.85	A	G		T	C				
	22H-1, 79–80	217.57	A	M		T	A				
	22H-2, 79–80	219.07	A	G–M		T	A				
	22H-3, 79–80	220.57	A	G–M		R	D				

Table T3 (continued).

Table T3 (continued).

Table T3 (continued).

Table T3 (continued).

Diatom zone	Core, section, interval (cm)	<i>Thalassiosira gracilis</i>	<i>Thalassiosira gracilis</i> var. <i>expecta</i>	<i>Thalassiosira gravida</i>	<i>Thalassiosira insignia</i>	<i>Thalassiosira inuita</i>	<i>Thalassiosira insignia/T. inuita</i> transition form	<i>Thalassiosira kolbei</i> (flat type)	<i>Thalassiosira kolbei</i> (convex type)	<i>Thalassiosira lentiginosa</i>	<i>Thalassiosira lentiginosa</i> var. 1	<i>Thalassiosira lentiginosa</i> var. 2	<i>Thalassiosira lentiginosa</i> var. obovatus	<i>Thalassiosira lineata</i>	<i>Thalassiosira oestrupii</i>	<i>Thalassiosira oliveriana</i> var. 1	<i>Thalassiosira oliveriana</i> var. 2	<i>Thalassiosira oliveriana</i> var. 3	<i>Thalassiosira oliveriana</i> var. 4	<i>Thalassiosira oliveriana</i> var. <i>sparsa</i>	<i>Thalassiosira tetraestripii</i> var. <i>reimeri</i>	<i>Thalassiosira torkina</i>	<i>Thalassiosira trifolia</i>	<i>Thalassiosira tumida</i>	<i>Thalassiosira vulnifica</i>	<i>Thalassiosira</i> sp. A	<i>Thalassiothrix</i> sp. E	<i>Thalassiothrix antarctica-longissima</i> group	<i>Thalassiothrix</i> sp. A	<i>Trichotoxon reinboldii</i>
A. <i>ingens</i>	9H-3, 79–80	T								R						R	R	R	R	R					R	R	R	R	R	
	9H-4, 79–80									R						R	R	R	R	R					R	R	R	R	R	
	9H-5, 79–80									C						T	R	R	R	R					F	F	F	F	F	
	9H-CC, 11–16									C						R	R	R	R	R					R	R	R	R	R	
	10H-1, 79–80									C						R	R	R	R	R					F	F	F	F	F	
	10H-3, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	10H-5, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	11H-1, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	11H-2, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	11H-3, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	11H-5, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	11H-6, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	12H-1, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	12H-3, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	12H-5, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	13H-1, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	13H-3, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	13H-6, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	14H-1, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	14H-3, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	14H-6, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	15H-1, 79–80									C						R	R	R	R	R					R	R	R	R	R	
	15H-3, 79–80									C						R	R	R	R	R					R	R	R	R	R	
A. <i>ingens</i>	15H-4, 79–80	T								C						T	T	R	R	R					R	F	F	F	F	
	15H-5, 79–80									C						T	T	R	R	R					R	F	F	F	F	
	15H-CC, 11–21									C						T	T	R	R	R					R	F	F	F	F	
	16H-2, 79–80									C						T	T	R	R	R					R	F	F	F	F	
	16H-4, 79–80									C						T	T	R	R	R					R	F	F	F	F	
	16H-CC, 11–16									C						T	T	R	R	R					R	F	F	F	F	
	17H-2, 79–80									C						T	T	R	R	R					R	F	F	F	F	
	17H-4, 79–80									C						T	T	R	R	R					R	F	F	F	F	
	17H-6, 29–30									C						T	T	R	R	R					R	F	F	F	F	
	18H-2, 79–80									C						T	T	R	R	R					R	F	F	F	F	
	18H-5, 79–80									C						T	T	R	R	R					R	F	F	F	F	
	19H-2, 79–80									C						T	T	R	R	R					R	F	F	F	F	
	19H-5, 79–80									C						T	T	R	R	R					R	F	F	F	F	
	20H-2, 79–80									C						T	T	R	R	R					R	F	F	F	F	
	20H-4, 79–80									C						T	T	R	R	R					R	F	F	F	F	
	21H-1, 79–80									C						T	T	R	R	R					R	F	F	F	F	
A. <i>ingens</i>	21H-2, 79–80	T								F						T	T	R	R	R					R	R	R	R	R	
	21H-3, 79–80									F						T	T	R	R	R					R	R	R	R	R	
	21H-4, 79–80									F						T	T	R	R	R					R	R	R	R	R	
	22H-1, 79–80									F						T	T	R	R	R					R	R	R	R	R	
	22H-2, 79–80									C						T	T	R	R	R					R	R	R	R	R	
	22H-3, 79–80									F						T	T	R	R	R					R	R	R	R	R	

Table T3 (continued).

Diatom zone	Core, section, interval (cm)	Depth (mcd)	Depth abundance, cleaned slide	Diatom abundance, uncleaned slide	Diatom preservation	<i>Actinocyclus actinochilus</i>	<i>Actinocyclus curvatus</i>	<i>Actinocyclus fasciculatus</i>	<i>Actinocyclus ingens</i>	<i>Actinocyclus ingens</i> var. A	<i>Actinocyclus karstenii</i>	<i>Actinocyclus maccollumii</i>	<i>Actinocyclus sp.</i> cf. <i>actinochilus</i> , early form sensu Hanwood & Maruyama (1992)	<i>Actinocyclus sp.</i> F	<i>Actinocyclus sp.</i> I
subzone a	22H-4, 79–80 23H-1, 79–80 23H-5, 79–80 24H-CC, 10–15 25H-5, 79–80 25H-7, 79–80 26H-3, 79–80	222.07 228.33 234.33 247.70 254.40 256.90 261.12	A A A A A A A	M G–M M–P G G M M		T	A A A C A A C				R		R		
<i>P. barboi</i>	26H-4, 79–80 26H-5, 79–80 26H-CC, 18–23 177-1091B-27H-CC, 12–17	262.62 264.12 266.46 270.59	A A A A	M G–M G–M G			C A A	T							
<i>T. kolbei/</i> <i>F. matuyamae</i>	177-1091A-27H-4, 79–80 27H-7, 29–30 28H-1, 79–80 28H-2, 79–80 28H-5, 79–80 29H-2, 79–80 29H-4, 79–80 29H-6, 79–80 29H-7, 29–30 30H-1, 79–80	271.68 275.68 277.90 279.40 283.90 288.64 291.64 294.64 295.64 296.90	A A A A A A A A A A	M G–M M M M M M–P M M M	T	T T T T T T T T T	C D A A C C F F C F	T T A T T T R T R T	T T T T T R R R R T	T T F R R R T	R	R	R	C	T
<i>T. vulnifica</i>	30H-2, 79–80 30H-3, 79–80 30H-6, 79–80 31H-1, 79–80 31H-2, 79–80 31H-3, 79–80	298.40 299.90 304.40 306.40 307.90 309.40	A A A A A A	M M M M P G–M		T	R R R R F R	R T R R R R	R T R R R R	R R R R R T	T	T	T	T	T
<i>T. insigna/</i> <i>F. weaveri</i>	31H-4, 79–80 31H-5, 79–80 31H-CC, 13–18 32H-1, 79–80 32H-3, 79–80 32H-5, 79–80 32H-CC, 30–35 33H-1, 79–80 33H-2, 79–80 33H-3, 79–80 33H-4, 79–80 33H-5, 79–80 33H-6, 79–80 33H-CC, 21–26	310.90 312.40 312.97 315.90 318.90 321.90 322.38 325.40 326.90 328.40 329.90 331.40 332.90 333.56	A A A A A A A A A A A A A A	M–P M M G–M G–M M–P M M G–M M M–P M P M	T	T T T T T T T T T T T T T T	R R R R F F F F R R R R R	R F C R T F F F R R R R R	R C R R T R F F R R R R R	F R R R T R R R T R R R T	R	R	R	T	T

Notes: Abundance: D = dominant, A = abundant, C = common, F = few, R = rare, T = trace, X = present. Preservation: G = good, M = moderate, P = Poor.

Table T3 (continued).

Table T3 (continued).

Table T3 (continued).

Diatom zone	Core, section, interval (cm)	Rhizosolenia polydactyla f. polydactyla Rhizosolenia sp. cf. styliformis (big form) Rhizosolenia sp. B Rhizosolenia sp. C Rouxia antarctica Rouxia constricta Rouxia cf. californica Rouxia leventiae Rouxia nivaloides Stellarima microtrias	Stephanopyxis turris group Thalassionema bacillaris Thalassionema nitzschioides Thalassionema nitzschioides var. cf. antiqua Thalassionema nitzschioides var. capitulata Thalassionema nitzschioides var. claviformis Thalassionema nitzschioides var. incurvata Thalassionema nitzschioides var. inflata Thalassionema nitzschioides var. lanceolata Thalassionema nitzschioides var. parva	Thalassiosira antarctica Thalassiosira complicata Thalassiosira convexa Thalassiosira convexa var. aspinosa Thalassiosira eccentrica Thalassiosira elliptipora Thalassiosira elliptipora var. A Thalassiosira fasciculata Thalassiosira ferelineata Thalassiosira frenguellensis/frenguelli group					
subzone a	22H-4, 79–80 23H-1, 79–80 23H-5, 79–80 24H-CC, 10–15 25H-5, 79–80 25H-7, 79–80 26H-3, 79–80	T R R R T	R F A R C F T F C F F F F T	T	T	T	T	T	T T R R T T R T R
P. barboi	26H-4, 79–80 26H-5, 79–80 26H-CC, 18–23 177-1091B- 27H-CC, 12–17	T T T	A F T R C C R F	F T	R T F				F F T R R R
T. kolbei/ F. matuyamae	177-1091A- 27H-4, 79–80 27H-7, 29–30 28H-1, 79–80 28H-2, 79–80 28H-5, 79–80 29H-2, 79–80 29H-4, 79–80 29H-6, 79–80 29H-7, 29–30 30H-1, 79–80	R T R R R R F T R F R T T R R	T T T R T R R R F R R R R T	R R T T T R R F R R T T T R T	T	T	T	T R T R T R T R T R T R T T R T	
T. vulnifica	30H-2, 79–80 30H-3, 79–80 30H-6, 79–80 31H-1, 79–80 31H-2, 79–80 31H-3, 79–80	F T T R R R R T T T R T R	R T R R T T T T R A	R R T R R R R R A	T	R R T F R T	T	T T T T T T T	
T. insigna/ F. weaveri	31H-4, 79–80 31H-5, 79–80 31H-CC, 13–18 32H-1, 79–80 32H-3, 79–80 32H-5, 79–80 32H-CC, 30–35 33H-1, 79–80 33H-2, 79–80 33H-3, 79–80 33H-4, 79–80 33H-5, 79–80 33H-6, 79–80 33H-CC, 21–26	F T T T T T T R R T R T T T R T R T R T R T R T F F R	T T T T T T T T T T C F R	F A R R F R F R R R F T T F R R R T T T T T T T T	R T	F R T R T T T	T	T T T F	

Table T3 (continued).