

Table T6 (continued).

Diatom zone	Core, section, interval (cm)	<i>Thalassiosira oliverana</i> var. 2 <i>Thalassiosira oliverana</i> var. 3 <i>Thalassiosira oliverana</i> var. 4 <i>Thalassiosira tetraoestrupii</i> var. <i>reimeri</i> <i>Thalassiosira torokina</i> <i>Thalassiosira trifulta</i> <i>Thalassiosira tumida</i> <i>Thalassiosira</i> sp. A <i>Thalassiosira</i> sp. E <i>Thalassiothrix antarctica-longissima</i> group <i>Trichotoxon reinboldii</i>		
<i>T. lentiginosa</i> / <i>F. kerguelensis</i> subzone b	177-		R	T R
	1094A-1H-1, 79–80		R	R
	1094A-1H-2, 79–80		R	R
	1094A-1H-3, 79–80		R	R
	1094A-2H-1, 79–80			T R
	1094A-2H-2, 79–80			T R
	1094A-2H-3, 79–80		R	R T
	1094A-2H-4, 79–80		T	R T
	1094A-2H-5, 79–80		R	R
	1094A-2H-6, 101–102	T R		R R
	1094A-3H-1, 79–80	R	R	R
	1094A-3H-2, 79–80	R	T T	R T
	1094A-3H-3, 79–80	R	R T	R T
	1094A-3H-4, 79–80	R R	R R T	R
1094A-3H-5, 79–80	R R	R R T	R T	
1094C-3H-5, 14	R	R T	F R	
<i>T. lentiginosa</i> / <i>F. kerguelensis</i> subzone a	1094A-4H-1, 79–80		R T	R
	1094A-4H-2, 79–80	R R T	R R	R T
	1094A-4H-3, 79–80	R R	R R	R
	1094A-4H-4, 79–80	R T	R	R R
	1094A-4H-5, 79–80	R R T	R	R T
	1094A-5H-1, 79–80	R	T T	R
	1094A-5H-2, 79–80	R	R T	R
	1094A-5H-3, 79–80	R T		R R
	1094A-5H-4, 79–80		T T	F T
	1094A-5H-5, 79–80		R	R
1094A-6H-1, 79–80	R T	R R	R R	
<i>R. constricta</i> subzone b	1094A-6H-2, 79–80	R T T	T	R
	1094A-6H-3, 79–80	R T	R R	R R
	1094A-6H-4, 79–80	T T	R	R R
	1094A-6H-5, 79–80	R T	R R	F R
	1094A-7H-1, 79–80		R	R
	1094A-7H-2, 79–80	T		T R
	1094A-7H-3, 79–80	R	R	R
	1094A-7H-4, 79–80	R		T R
1094A-7H-5, 79–80	R T	R R	R R	

Table T6 (continued).

Diatom zone	Core, section, interval (cm)	Depth (mcd)	Diatom abundance, uncleaned slide	Diatom preservation	<i>Actinocyclus actinochilus</i> <i>Actinocyclus curvatulus</i> <i>Actinocyclus</i> aff. <i>dimorphus</i> <i>Actinocyclus ingens</i> <i>Actinocyclus karstenii</i> <i>Actinocyclus</i> sp. cf. <i>actinochilus</i> , early form sensu Harwood & Maruyama (1992) <i>Actinocyclus</i> sp. A <i>Actinocyclus</i> sp. F <i>Asteromphalus hookeri</i> <i>Asteromphalus hyalinus</i> <i>Asteromphalus parvulus</i> <i>Azpeitia nodulifer</i> <i>Azpeitia tabularis</i> <i>Chaetoceros atlanticus</i> <i>Chaetoceros bulbosum</i>					
<i>R. constricta</i> subzone a	1094A-7H-6, 79–80	62.49	A	G–M	R T R				T R T	
	1094A-8H-1, 79–80	64.53	A	G	T T T				F	
	1094A-8H-2, 79–80	66.03	A	G	R			R	F	
	1094A-8H-3, 79–80	67.53	A	G	R R				F	
	1094A-8H-4, 79–80	69.03	A	G	T R		R	R	F	
	1094A-8H-5, 79–80	70.53	A	G	T T				F	
	1094A-8H-6, 79–80	72.03	A	M	F T			T	F T	
	1094A-9H-1, 79–80	74.69	A	G–M	R R			T T	R T	
	1094A-9H-2, 79–80	76.19	A	G–M	R R			T	R	
	1094A-9H-3, 79–80	77.52	A	M	R T				T	
	1094A-9H-4, 79–80	79.19	A	G	R R				R	
	1094A-9H-5, 79–80	80.69	A	G	R R			T T	F	
	1094A-9H-6, 29–30	81.69	A	G	R R			T	R	
	1094A-10H-1, 79–80	83.73	A	G–M	R R				R	
	1094A-10H-2, 79–80	85.23	A	G	R R			T T	R	
	1094A-10H-3, 79–80	86.73	A	G	F R			T		
	1094A-10H-4, 79–80	88.23	A	G–M	R R					
1094A-10H-5, 79–80	89.73	A–C	M	F R				T		
<i>A. ingens</i> subzone c	1094A-10H-6, 79–80	91.23	A	G	R C			R		
	1094A-11H-1, 79–80	93.69	A	G	C			T	R	
	1094A-11H-2, 79–80	95.19	A	G	T C			T	T	
	1094A-11H-3, 79–80	96.69	A	M	R C				R	
	1094A-11H-4, 79–80	98.19	A	G	R T C		T	T	R	
	1094A-11H-5, 79–80	99.69	A	G	F			R T	R	
	1094A-12H-1, 79–80	101.97	A	G–M	C			T		
	1094A-12H-2, 79–80	103.47	A	M	R C			R	T	
	1094A-12H-3, 79–80	104.97	A	G	T C			R		
	1094A-12H-4, 79–80	106.47	A	G	T C			T		
	1094A-12H-5, 79–80	107.97	A–C	M	R C			T		
	1094A-12H-6, 79–80	109.47	A	G	T F			T		
	1094A-13H-1, 79–80	112.33	A	G–M	F					
	1094A-13H-2, 79–80	113.83	A	G	R F			T	T	
	1094A-13H-3, 79–80	115.33	A	G	T C			T T	R	
	1094A-13H-4, 79–80	116.53	A	G	T F				R	
	1094A-13H-5, 79–80	117.97	A	M	R F			T	T	
	1094A-13H-6, 29–30	118.97	A	G	F					
	1094D-11H-4, 39–40	120.53	A	G–M	F C			T		
	1094A-14H-2, 79–80	123.70	A	G–M	F					
1094D-12H-1, 79–80	125.93	A	G–M	R C T				T T		
1094D-12H-2, 9–10	126.73	A	G–M	R T C		R	T	T T		
1094D-12H-3, 29–30	128.43	A	G–M	A			T	T		
1094D-12H-4, 29–30	129.93	A	G	C			R			
1094A-15H-1, 79–80	131.21	A	G	C				R		
1094A-15H-2, 79–80	132.71	A	M	R A T						

Table T6 (continued).

Diatom zone	Core, section, interval (cm)	<i>Chaetoceros dichchaeta</i> <i>Chaetoceros</i> spp. (resting spores) <i>Corethron criophilum</i> <i>Coscinodiscus asteromphalus</i> <i>Coscinodiscus marginatus</i> <i>Coscinodiscus oculoides</i> <i>Coscinodiscus oculus-iridis</i> <i>Coscinodiscus</i> spp. <i>Diploneis</i> spp. <i>Ethmodiscus rex</i> <i>Eucampia antarctica</i> <i>Fragilariopsis</i> aff. <i>arcuata</i> * <i>Fragilariopsis aurica</i> * <i>Fragilariopsis barronii</i> Transition <i>F. barronii</i> / <i>F. kerguelensis</i> <i>Fragilariopsis curta</i> <i>Fragilariopsis cylindrus</i> <i>Fragilariopsis interfrigidaria</i> * <i>Fragilariopsis kerguelensis</i> <i>Fragilariopsis linearis</i> <i>Fragilariopsis obliquecostata</i> <i>Fragilariopsis</i> aff. <i>praecurta</i> * <i>Fragilariopsis praeinterfrigidaria</i> * <i>Fragilariopsis pseudonana</i> <i>Fragilariopsis reinholdii</i> <i>Fragilariopsis rhombica</i> <i>Fragilariopsis ritscheri</i> <i>Fragilariopsis ritscheri</i> var. A <i>Fragilariopsis separanda</i> <i>Fragilariopsis sublinearis</i>											
<i>R. constricta</i> subzone a	1094A-7H-6, 79-80	R		T	R	F	R	A		T	R	F	C
	1094A-8H-1, 79-80	F			R	R	R	D			R	F	F
	1094A-8H-2, 79-80	F	T	T	F	R	R	D			R	F	F
	1094A-8H-3, 79-80	F				R		A		T	R	R	F
	1094A-8H-4, 79-80	F		T		F	R	A			R	F	F
	1094A-8H-5, 79-80	F				F	R	D		R	R	R	R
	1094A-8H-6, 79-80	C			R	F	R	C		F	R	F	R
	1094A-9H-1, 79-80	F		T		F	R	A		R	R	F	R
	1094A-9H-2, 79-80	F				F	R	A		T	R	F	R
	1094A-9H-3, 79-80	C				R	R	C			R	F	R
	1094A-9H-4, 79-80	F				R	R	A			R	R	F
	1094A-9H-5, 79-80	F				R	R	A			R	R	F
	1094A-9H-6, 29-30					R	R	D			R	R	R
	1094A-10H-1, 79-80	F		T	T	R	R	D		T	R	R	R
	1094A-10H-2, 79-80	F				R	R	A			R	F	F
	1094A-10H-3, 79-80	R		T		F		A			R	C	F
	1094A-10H-4, 79-80					R	R	D			R	F	F
1094A-10H-5, 79-80	C		R		R	F	T	C		R	R	R	
<i>A. ingens</i> subzone c	1094A-10H-6, 79-80	F			R	R	R	C		R	R	R	R
	1094A-11H-1, 79-80	R			X	R	R	A			R	F	F
	1094A-11H-2, 79-80	R			F	R	A			R	R	F	R
	1094A-11H-3, 79-80	C			X	F	A			R	R	R	R
	1094A-11H-4, 79-80	F	T	T	X	F	C			R	R	F	R
	1094A-11H-5, 79-80	R			R	R	A			R	C	F	R
	1094A-12H-1, 79-80	F	T		X	R	C	T		T	R	F	F
	1094A-12H-2, 79-80	R			X	R	C				F	F	T
	1094A-12H-3, 79-80	R		T	F	R	A				R	F	F
	1094A-12H-4, 79-80	R			X	T	A			T	R	R	F
	1094A-12H-5, 79-80	F			R	R	A			T	R	R	
	1094A-12H-6, 79-80	F		T	R	R	A			R	R	F	R
	1094A-13H-1, 79-80	F	R		T	X	A			R	R	F	R
	1094A-13H-2, 79-80	F	T			R	A	T			R	C	F
	1094A-13H-3, 79-80	F		T	T	R	C				R	R	F
	1094A-13H-4, 79-80	F				C	A				R	R	R
	1094A-13H-5, 79-80	F	R	R		C	C	T		R	R	R	R
	1094A-13H-6, 29-30	F	T			F	A	T		R	R	F	F
	1094D-11H-4, 39-40	F			R	X	A			R	R	C	F
	1094A-14H-2, 79-80	F				X	A	T			R	F	R
	1094D-12H-1, 79-80	F			R	R	C	R		R	R	R	T
	1094D-12H-2, 9-10	F	R		R	R	C			R	R	R	R
	1094D-12H-3, 29-30	F			R	R	A				R	F	F
1094D-12H-4, 29-30	F				R	A				R	R	R	
1094A-15H-1, 79-80	F		R		R	R	T	C	T	R	R	F	F
1094A-15H-2, 79-80	F				R	R	T	C	T	R	R	R	R

Table T6 (continued).

Diatom zone	Core, section, interval (cm)	<i>Thalassiosira oliverana</i> var. 2 <i>Thalassiosira oliverana</i> var. 3 <i>Thalassiosira oliverana</i> var. 4 <i>Thalassiosira tetraoestrupii</i> var. <i>reimeri</i> <i>Thalassiosira torokina</i> <i>Thalassiosira trifulta</i> <i>Thalassiosira tumida</i> <i>Thalassiosira</i> sp. A <i>Thalassiosira</i> sp. E <i>Thalassiothrix antarctica-longissima</i> group <i>Trichotoxon reinboldii</i>		
<i>R. constricta</i> subzone a	1094A-7H-6, 79–80	R T	R	R R
	1094A-8H-1, 79–80			R R
	1094A-8H-2, 79–80	R	R R	R R
	1094A-8H-3, 79–80	T R	R R	R R
	1094A-8H-4, 79–80	R	R	R R
	1094A-8H-5, 79–80		R	R R
	1094A-8H-6, 79–80	T T		R
	1094A-9H-1, 79–80	R	T	R
	1094A-9H-2, 79–80		T	R R
	1094A-9H-3, 79–80	R	T	R
	1094A-9H-4, 79–80	T R T		R
	1094A-9H-5, 79–80	R	T T	R
	1094A-9H-6, 29–30	R	R R	R
	1094A-10H-1, 79–80	R		R
	1094A-10H-2, 79–80	T T	R R	R
	1094A-10H-3, 79–80	R R	R R	R
1094A-10H-4, 79–80	R	R	R	
1094A-10H-5, 79–80	T	T	R	
<i>A. ingens</i> subzone c	1094A-10H-6, 79–80	R R	T	R
	1094A-11H-1, 79–80	R R	T	R
	1094A-11H-2, 79–80	F	T R	
	1094A-11H-3, 79–80	R T	T T	R R
	1094A-11H-4, 79–80	R R	R	R R R
	1094A-11H-5, 79–80	T T	T	R
	1094A-12H-1, 79–80	R T	T	R R
	1094A-12H-2, 79–80	T R R	T	R R
	1094A-12H-3, 79–80	R R	R	R
	1094A-12H-4, 79–80	R	T	R
	1094A-12H-5, 79–80	R	R	T F
	1094A-12H-6, 79–80	R		R R
	1094A-13H-1, 79–80	T	T	R T
	1094A-13H-2, 79–80	R R	T R	R R
	1094A-13H-3, 79–80	R T	T	R
	1094A-13H-4, 79–80	T T	R	R
	1094A-13H-5, 79–80	R		R
	1094A-13H-6, 29–30	R R	T	R R R
	1094D-11H-4, 39–40	R	T	F R
	1094A-14H-2, 79–80		T	T R T
	1094D-12H-1, 79–80	T R R	R	F
	1094D-12H-2, 9–10	R T	T	F
1094D-12H-3, 29–30	T F T	R	F T	
1094D-12H-4, 29–30	R		C	
1094A-15H-1, 79–80	R F T		F T	
1094A-15H-2, 79–80	F		F R	

Table T6 (continued).

Diatom zone	Core, section, interval (cm)	Depth (mcd)	Diatom abundance, uncleaned slide	Diatom preservation	<i>Actinocyclus actinochilus</i>	<i>Actinocyclus curvatulus</i>	<i>Actinocyclus</i> aff. <i>dimorphus</i>	<i>Actinocyclus ingens</i>	<i>Actinocyclus karstenii</i>	<i>Actinocyclus</i> sp. cf. <i>actinochilus</i> , early form sensu Harwood & Maruyama (1992)	<i>Actinocyclus</i> sp. A	<i>Actinocyclus</i> sp. F	<i>Asteromphalus hookeri</i>	<i>Asteromphalus hyalinus</i>	<i>Asteromphalus parvulus</i>	<i>Azpeitia nodulifer</i>	<i>Azpeitia tabularis</i>	<i>Chaetoceros atlanticus</i>	<i>Chaetoceros bulbosum</i>
<i>A. ingens</i> subzone b	1094A-15H-3, 79-80	134.21	A	M			A												
	1094A-15H-4, 79-80	135.71	A	G	R	T	C					T			R				
	1094A-15H-5, 79-80	137.21	A	G	R		C	T										R	
	1094A-15H-7, 29-30	139.41	A	G-M	T		C								T			R	
	1094A-16H-1, 79-80	140.71	A	M	T		C					T						R	
	1094A-16H-2, 79-80	142.21	A	M			C			R								R	
	1094A-16H-3, 79-80	143.71	A	G			A												
	1094A-16H-4, 79-80	145.21	A	G-M	T		C								R		T		
	1094D-14H-1, 79-80	147.11	A	G-M	T	T	C			R									
	1094D-14H-2, 79-80	148.61	A	G-M			C												T
	1094D-14H-3, 79-80	150.11	A	A	M	T		C		T		T			T				
	1094D-14H-4, 79-80	151.61	A	A	M			C		R		T			T				
	1094D-14H-5, 79-80	153.11	A	A	G	T		A				T	T		T		T		
	1094D-14H-6, 79-80	154.61	A	A	G			C				T			T				
	<i>A. ingens</i> subzone a	1094D-15H-2, 79-80	156.28	A	G	T	F	T			R								
1094D-15H-3, 79-80		157.78	A	M	T	R	A	T		T		T			T				
1094D-15H-4, 0-1		158.49	A	M			D					T	R		T		T		
1094A-18H-6, 29-30		159.56	A	G		R	D						T		T		T		
1094D-15H-5, 100-101		160.99	A	M		T	D						T	T					
1094D-15H-6, 100-101		162.49	A	M			D					R		T	T				
1094D-16H-1, 50-51		163.99	A	M	T	T	D	T				R							
1094D-16H-2, 50-51		165.49	A	M			D						R						
1094D-16H-3, 0-1		166.49	A	M	T		A	R		T		F							
1094D-16H-3, 79-80		167.28	A	M	R	R	T	C	T				T					T	
1094D-16H-4, 79-80		168.78	A	A	G			A	T			R							
1094D-16H-5, 0-1		169.33	A	A	M	T		C	R		T		R						

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

Table T6 (continued).

Diatom zone	Core, section, interval (cm)	<i>Thalassiosira oliverana</i> var. 2 <i>Thalassiosira oliverana</i> var. 3 <i>Thalassiosira oliverana</i> var. 4 <i>Thalassiosira tetraoestrupii</i> var. <i>reimeri</i> <i>Thalassiosira torokina</i> <i>Thalassiosira trifulta</i> <i>Thalassiosira tumida</i> <i>Thalassiosira</i> sp. A <i>Thalassiosira</i> sp. E <i>Thalassiothrix antarctica-longissima</i> group <i>Trichotoxon reinboldii</i>		
<i>A. ingens</i> subzone b	1094A-15H-3, 79–80	R		F
	1094A-15H-4, 79–80	R F	T	R T
	1094A-15H-5, 79–80	R R	T	T R R
	1094A-15H-7, 29–30	R R		R R
	1094A-16H-1, 79–80	R	T	R R
	1094A-16H-2, 79–80	R R		T R R
	1094A-16H-3, 79–80	R		R R
	1094A-16H-4, 79–80	R	R	R R
	1094D-14H-1, 79–80	R R	T	F
	1094D-14H-2, 79–80	T		R R
	1094D-14H-3, 79–80	R R R	T	R R
	1094D-14H-4, 79–80	R		R
	1094D-14H-5, 79–80	R R R	T T	R R
	1094D-14H-6, 79–80	T R		R R
<i>A. ingens</i> subzone a	1094D-15H-2, 79–80	R		T R R
	1094D-15H-3, 79–80	T R		R R
	1094D-15H-4, 0–1	R R	T	R
	1094A-18H-6, 29–30	R R T F		
	1094D-15H-5, 100–101	R	R	R
	1094D-15H-6, 100–101	R	T	R
	1094D-16H-1, 50–51	R R		R R
	1094D-16H-2, 50–51	R R		R
	1094D-16H-3, 0–1	F R T	T	R
	1094D-16H-3, 79–80	F R		R
	1094D-16H-4, 79–80	F R	T	R
	1094D-16H-5, 0–1	R R T	R	R