Ms 189SR-105, Table T1. Selected palynological results, Hole 1168A.

| Core, section, interval (cm) | Depth (mbsf) | Age (Ma) | Skolochorate acritarchs | Number of dinocysts | % Terrestrial | % Oceanic | Acaritholaia7 sp. | Achomosphaera andalusiensis | Aleiana venucosa | Algidosphaeridium minutum cezare (o) | Algidosphaeridium minutum minutum (o) | Amiculosphaera ambiacula (o) | Aptea dinium australense | Areoligera semicirculata | Areoligera spp. (pars.) | Atasadinium cladaria (o) | Atasadinium fruhstorferi (o) | Batiacasphaera spp. (o) | Bitectatodinium tepikiense (o) | Brigantedinium spp. (o) | Caligodinium spp. (pars.) | Cannosphaeropsis sp. A (o) | Cannosphaeropsis spp. (pars.) (o) | Cerebrocysta poulsenii | Cerebrocysta sp. A | Cerebrocysta spp. (pars.) | Chiangtedinium spp. | Cleistosphaeridium placacanthum | Cooksonidium capricornum | Cordosphaeridium cantharellum | Cordosphaeridium fibrospinosum | Cordosphaeridium minimum | Cordosphaeridium spp. (pars.) | Cornudinium hastonii (o) | Cornudinium inconspicuum (o) | Cribroperidinium spp. | Dalella chathamensis | Dapsilidinium spp. | Deflandrea antarctica group | Deflandrea convera group | Deflandrea phosphoritica group | Dinopterygium spp. | Diphyes colligerum | Diphyes ficusoides | Distatodinium biffii | Distatodinium spp. (pars) | Ectosphaeropsis burdigalensis | Edwardiella sessipinosum (o) | Emmetrocyta umaformis | Enneadocysta partridgei | Eocladopyxis spp. | Eurydinium spp. | Filisphaera spp. | Celatia inflata (o) | Glaphyrocysta spp. | Habibacysta tectata (o) | Hemiplacophora semilunifera | Heteraulacysta spp. | Histiocysta spp. | Hemicystodinium spp. | Hystrichokolpoma cingulatum (o) | Hystrichokolpoma pusillum (o) | Hystrichokolpoma rigaudae (o) | Hystrichokolpoma salacia (o) | Hystrichokolpoma sp. cf. Homotryblium oceanicum (o) | Hystrichokolpoma sp. A (o) | Hystrichokolpoma spp. (pars.) (o) | Hystrichosphaeropsis spp. | Hystrichostrogylon spp. | Impagidinium aculeatum (o) | Impagidinium dispertulum (o) | Impagidinium japonicum (o) | Impagidinium maculatum (o) | Impagidinium pallidum (o) | Impagidinium paradoxum (o) | Impagidinium patulum (o) | Impagidinium sphaericum (o) | Impagidinium strialatum (o) | Impagidinium victorianum (o) | Impagidinium velorum (o) | Impagidinium spp. (pars.) (o) | Invertocysta spp. (o) | Labyrinthodinium truncatum | Lejeunecysta spp. | Lingulodinium machaerophorum | Lophocysta spp. | Melitasphaeridium pseudorecurvatum | Melitasphaeridium choanophorum | Membranilamacia? sp. | Membranilamacia? picena | Mendicodinium sp. A (Wrenn and Kokinos, 1986) | Nematosphaeropsis spp. (o) | Octodinium askinae | Operculodinium echigonense sensu (McMinn, 1992) | Operculodinium israelianum | Operculodinium piaseckii | Operculodinium spp. (pars.) | Pentaphorsadinium dalei cysts | Pentadinium laticinctum | Phthanoperidinium comatum | Phthanoperidinium filigranum | Phthanoperidinium spp. | Polysphaeridium spp. | Pyxidinopsis spp. | Reticulatosphaera actinocoronata | Rhombodinium spp. | Sumitrisia chlamydophora | Schematophora speciosa | Selenopemphix brevispinosum | Selenopemphix nephroides | Selenopemphix quanta | Spiniferites pseudofurcatus | Spiniferites mirabilis | Spiniferites cf. mirabilis | Spiniferites spp. (pars.) | Stelladinium stellatum | Stiphrosphaeridium spp. | Stovereacysta kakanuensis | Stovereacysta ornata | Stovereacysta cf. Lonense | Systematella spp. | Tectatodinium spp. | Thalassiphora pelagica | Trinovantedinium applanatum | Tuberculodinium vancampoae | Wetzeliella gochtii/symmetrica |
|---|---|---

Table T1. Selected palynological results, Hole 1168A.

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Acanthaulax?* sp.	*Achomosphaera andalousiensis*	*Aireiana verrucosa*	*Algidasphaeridium minutum cezare* (o)	*Algidasphaeridium minutum minutum* (o)	*Amiculosphaera umbracula* (o)	*Apteodinium australiense*	*Areoligera semicirculata*	*Areoligera* spp. (pars.)	*Ataxiodinium choane* (o)	*Ataxiodinium confusum* (o)	*Batiacasphaera* spp. (o)	*Bitectatodinium tepekiense* (o)	*Brigantedinium* spp. (o)	*Caligodinium pychnum*	*Caligodinium* spp. (pars.)	*Cannosphaeropsis* sp. A (o)	*Cannosphaeropsis* spp. (pars.) (o)	*Cerebrocysta poulsenii*	*Cerebrocysta* sp. A
189-1168A-																										
1H-1, 60–62	0.6			177	28.0	49.72					4					3				20						
1H-CC, 22–24	7.24			208	5.0	75.00				1	2					1			1	7						
2H-1, 60–62	7.90			225	39.2	39.11				9	6					1				6						
2H-3, 60–62	10.90			678	9.0	38.94										15				1						
2H-5, 60–62	13.90			591	13.0	48.05										8				1						
2H-CC, 9–11	17	~1.78		211	13.0	51.66					1					2			2	12						
3H-1, 60–62	17.61			984	8.0	67.07										4				1						
3H-3, 60–62	20.40			398	19.0	81.16				1	1	1				12	1			22						
3H-5, 60–62	23.37			1025	5.0	84.59										3				3						
3H-CC, 29–32	26.71			100	4.0	85.00					1					2				6						
4H-3, 60–62	29.85			249	9.0	72.69				1		1				6	3		1	6						
4H-CC, 0–5	35.75			100	12.0	60.00										2				5						
5H-1, 60–62	36.40			206	11.4	65.05				2	1	2				6	1			1						
5H-CC, 38–41	45.96	~3.58		100	9.0	40.00				1						2			1	1						
6H-3, 60–62	48.90			217	22.0	57.14				8	2	1				11	2		25	2						
6H-CC, 26–29	55.24			154	12.0	53.90						1				2				2						
7H-5, 60–62	61.40			206	11.3	78.16						1														
7H-CC, 24–29	64.93			4	0.0	50.00																				
8H-4, 60–62	69.40			159	18.8	34.59										1										
8H-CC, 8–13	73.58			135	2.0	17.04																				
9H-3, 60–62	77.40			170	11.1	62.94		2				3														
9H-CC, 27–32	82.98			31	3.0	29.03																				
10H-7, 60–62	92.90	~5.3		176	14.7	73.30										1				1						
10H-CC, 30–35	93.41			119	1.0	13.45		1																		
11H-4, 60–62	97.90			188	7.2	61.17										1										
12H-4, 60–62	107.40			75	41.0	38.67																				
13X-1, 60–62	112.40			174	11.8	58.62		1																		
14X-5, 60–62	125.10			185	9.6	68.11		1																		
14X-CC, 25–30	125.8			28	10.0	17.86		1																		
15X-3, 60–62	131.50			0	0.0	0.00																				
16X-5, 60–62	144.30			209	3.2	46.89																				
17X-3, 60–62	150.90			91	0.0	64.84																				
18X-1, 60–62	157.50			73	0.0	56.16																				
18X-CC, 29–34	164.9			0	0.0	0.00																				
19X-6, 60–62	174.60			135	0.0	24.44																				
20X-2, 60–62	178.30			91	2.6	9.89																			10	
21X-6, 60–62	193.80	~11.2	*	72	1.4	44.44	4																			
22X-5, 60–62	202.00		*	128	1.5	35.16	5											1	1						1	
22X-CC, 29–34	205.1			0	0.0	0.00																				
23X-5, 60–62	211.60		***	196	1.9	29.59	6																			
24X-7, 40–42	224.00		**	131	11.2	48.09	6											5	3							
25X-4, 60–62	229.20		**	98	0.0	68.37																				
26X-4, 60–62	238.90		*	69	8.0	46.38																				
26X-CC, 26–30	243.5			0	0.0	0.00																				
27X-1, 60–62	244.00			37	0.0	89.19																				
28X-3, 60–62	256.50			0	0.0	0.00																				
29X-3, 60–62	266.30			0	0.0	0.00																				
30X-3, 60–62	275.90	~16.4		0	0.0	0.00																				
30X-CC, 6–11	281.5			0	0.0	0.00																				
31X-3, 60–62	285.40		***	97	5.6	41.24																				
32X-4, 60–62	296.50		***	110	0.0	10.91																				1
33X-3, 60–62	304.30		*	209	17.3	5.26																				10

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Cerebrocysta* spp. (pars.)	*Chiropteridium* spp.	*Cleistosphaeridium placacanthum*	*Cooksonidium capricornum*	*Cordosphaeridium cantharellum*	*Cordosphaeridium fibrospinosum*	*Cordosphaeridium minimum*	*Cordosphaeridium* spp. (pars.)	*Corrudinium harlandii* (o)	*Corrudinium incompositum* (o)	*Cribroperidinium* spp.	*Dalella chathamensis*	*Dapsilidinium* spp.	*Deflandrea antarctica* group	*Deflandrea convexa* group	*Deflandrea phosphoritica* group	*Dinopterygium* spp.	*Diphyes colligerum*	*Diphyes ficusoides*	*Distatodinium biffii*
189-1168A-																										
1H-1, 60–62	0.6			177	28.0	49.72																				
1H-CC, 22–24	7.24			208	5.0	75.00																				
2H-1, 60–62	7.90			225	39.2	39.11																				
2H-3, 60–62	10.90			678	9.0	38.94																				
2H-5, 60–62	13.90			591	13.0	48.05																				
2H-CC, 9–11	17	~1.78		211	13.0	51.66																				
3H-1, 60–62	17.61			984	8.0	67.07																				
3H-3, 60–62	20.40			398	19.0	81.16																				
3H-5, 60–62	23.37			1025	5.0	84.59																				
3H-CC, 29–32	26.71			100	4.0	85.00									6											
4H-3, 60–62	29.85			249	9.0	72.69									3											
4H-CC, 0–5	35.75			100	12.0	60.00																				
5H-1, 60–62	36.40			206	11.4	65.05																				
5H-CC, 38–41	45.96	~3.58		100	9.0	40.00																				
6H-3, 60–62	48.90			217	22.0	57.14												1								
6H-CC, 26–29	55.24			154	12.0	53.90																				
7H-5, 60–62	61.40			206	11.3	78.16													1							
7H-CC, 24–29	64.93			4	0.0	50.00																				
8H-4, 60–62	69.40			159	18.8	34.59																				
8H-CC, 8–13	73.58			135	2.0	17.04																				
9H-3, 60–62	77.40			170	11.1	62.94												1								
9H-CC, 27–32	82.98			31	3.0	29.03																				
10H-7, 60–62	92.90	~5.3		176	14.7	73.30																				
10H-CC, 30–35	93.41			119	1.0	13.45																				
11H-4, 60–62	97.90			188	7.2	61.17																				
12H-4, 60–62	107.40			75	41.0	38.67																				
13X-1, 60–62	112.40			174	11.8	58.62																				
14X-5, 60–62	125.10			185	9.6	68.11																				
14X-CC, 25–30	125.8			28	10.0	17.86																				
15X-3, 60–62	131.50			0	0.0	0.00																				
16X-5, 60–62	144.30			209	3.2	46.89	1																			
17X-3, 60–62	150.90			91	0.0	64.84	1											5								
18X-1, 60–62	157.50			73	0.0	56.16	1																			
18X-CC, 29–34	164.9			0	0.0	0.00																				
19X-6, 60–62	174.60			135	0.0	24.44																				
20X-2, 60–62	178.30			91	2.6	9.89																				
21X-6, 60–62	193.80	~11.2	*	72	1.4	44.44																				
22X-5, 60–62	202.00		*	128	1.5	35.16																				
22X-CC, 29–34	205.1			0	0.0	0.00																				
23X-5, 60–62	211.60		***	196	1.9	29.59																				
24X-7, 40–42	224.00		**	131	11.2	48.09	2																			
25X-4, 60–62	229.20		**	98	0.0	68.37	2																			
26X-4, 60–62	238.90		*	69	8.0	46.38																				
26X-CC, 26–30	243.5			0	0.0	0.00																				
27X-1, 60–62	244.00			37	0.0	89.19																				
28X-3, 60–62	256.50			0	0.0	0.00																				
29X-3, 60–62	266.30			0	0.0	0.00																				
30X-3, 60–62	275.90	~16.4		0	0.0	0.00																				
30X-CC, 6–11	281.5			0	0.0	0.00																				
31X-3, 60–62	285.40		***	97	5.6	41.24																				
32X-4, 60–62	296.50		***	110	0.0	10.91	2		2																	
33X-3, 60–62	304.30		*	209	17.3	5.26	2												1							

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Distatodinium* spp. (pars)	*Ectosphaeropsis burdigalensis*	*Edwardsiella sexispinosum* (o)	*Emmetrocysta urnaformis*	*Enneadocysta partridgei*	*Eocladopyxis* spp.	*Eurydinium* spp.	*Filisphaera* spp.	*Gelatia inflata* (o)	*Glaphyrocysta* spp.	*Habibacysta tectata* (o)	*Hemiplacophora semilunifera*	*Heteraulacacysta* spp.	*Histiocysta* spp.	*Homotryblium* spp.	*Hystrichokolpoma cinctum* (o)	*Hystrichokolpoma pusilla* (o)	*Hystrichokolpoma rigaudiae* (o)	*Hystrichokolpoma salacia* (o)	*Hystrichokolpoma* sp. cf. *Homotryblium oceancium* (o)
189-1168A-																										
1H-1, 60–62	0.6			177	28.0	49.72																				
1H-CC, 22–24	7.24			208	5.0	75.00																				
2H-1, 60–62	7.90			225	39.2	39.11																				
2H-3, 60–62	10.90			678	9.0	38.94																				
2H-5, 60–62	13.90			591	13.0	48.05																				
2H-CC, 9–11	17	~1.78		211	13.0	51.66																				
3H-1, 60–62	17.61			984	8.0	67.07																				
3H-3, 60–62	20.40			398	19.0	81.16																				
3H-5, 60–62	23.37			1025	5.0	84.59																				
3H-CC, 29–32	26.71			100	4.0	85.00																				
4H-3, 60–62	29.85			249	9.0	72.69								1										1		
4H-CC, 0–5	35.75			100	12.0	60.00																				
5H-1, 60–62	36.40			206	11.4	65.05																				
5H-CC, 38–41	45.96	~3.58		100	9.0	40.00																				
6H-3, 60–62	48.90			217	22.0	57.14			1																	
6H-CC, 26–29	55.24			154	12.0	53.90																				
7H-5, 60–62	61.40			206	11.3	78.16																				
7H-CC, 24–29	64.93			4	0.0	50.00																				
8H-4, 60–62	69.40			159	18.8	34.59											1									
8H-CC, 8–13	73.58			135	2.0	17.04																				
9H-3, 60–62	77.40			170	11.1	62.94			1								10									
9H-CC, 27–32	82.98			31	3.0	29.03																				
10H-7, 60–62	92.90	~5.3		176	14.7	73.30																				
10H-CC, 30–35	93.41			119	1.0	13.45																				
11H-4, 60–62	97.90			188	7.2	61.17											1									
12H-4, 60–62	107.40			75	41.0	38.67			1																	
13X-1, 60–62	112.40			174	11.8	58.62																				
14X-5, 60–62	125.10			185	9.6	68.11																				
14X-CC, 25–30	125.8			28	10.0	17.86																				
15X-3, 60–62	131.50			0	0.0	0.00																				
16X-5, 60–62	144.30			209	3.2	46.89											15									
17X-3, 60–62	150.90			91	0.0	64.84			1																	
18X-1, 60–62	157.50			73	0.0	56.16																				
18X-CC, 29–34	164.9			0	0.0	0.00																				
19X-6, 60–62	174.60			135	0.0	24.44																				
20X-2, 60–62	178.30			91	2.6	9.89																				
21X-6, 60–62	193.80	~11.2	*	72	1.4	44.44																				
22X-5, 60–62	202.00		*	128	1.5	35.16			1																	
22X-CC, 29–34	205.1			0	0.0	0.00																				
23X-5, 60–62	211.60		***	196	1.9	29.59																				
24X-7, 40–42	224.00		**	131	11.2	48.09			1																	
25X-4, 60–62	229.20		**	98	0.0	68.37																				
26X-4, 60–62	238.90		*	69	8.0	46.38																				
26X-CC, 26–30	243.5			0	0.0	0.00																				
27X-1, 60–62	244.00			37	0.0	89.19																				
28X-3, 60–62	256.50			0	0.0	0.00																				
29X-3, 60–62	266.30			0	0.0	0.00																				
30X-3, 60–62	275.90	~16.4		0	0.0	0.00																				
30X-CC, 6–11	281.5			0	0.0	0.00																				
31X-3, 60–62	285.40		***	97	5.6	41.24			2																	
32X-4, 60–62	296.50		***	110	0.0	10.91			1																	
33X-3, 60–62	304.30		*	209	17.3	5.26			1																	

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Hystrichokolpoma* sp. A (o)	*Hystrichokolpoma* spp. (pars.) (o)	*Hystrichosphaeropsis* spp.	*Hystrichostrogylon* spp.	*Impagidinium aculeatum* (o)	*Impagidinium dispertitum* (o)	*Impagidinium japonicum* (o)	*Impagidinium maculatum* (o)	*Impagidinium pallidum* (o)	*Impagidinium paradoxum* (o)	*Impagidinium patulum* (o)	*Impagidinium sphaericum* (o)	*Impagidinium striatum* (o)	*Impagidinium victorianum* (o)	*Impagidinium velorum* (o)	*Impagidinium* spp. (pars.) (o)	*Invertocysta* spp. (o)	*Labyrinthodinium truncatum*	*Lejeunecysta* spp.	*Lingulodinium machaerophorum*
189-1168A-																										
1H-1, 60–62	0.6			177	28.0	49.72					5				1	1	8	1				3			20	
1H-CC, 22–24	7.24			208	5.0	75.00					65				1	29	7		2						1	3
2H-1, 60–62	7.90			225	39.2	39.11					23					13	2	1				1				2
2H-3, 60–62	10.90			678	9.0	38.94					99		3		2	109	5	11				17			3	8
2H-5, 60–62	13.90			591	13.0	48.05					38		3		2	54	19					1			1	70
2H-CC, 9–11	17	~1.78		211	13.0	51.66					32				1	39	4	1				1			3	37
3H-1, 60–62	17.61			984	8.0	67.07					71		2		1	424	7	2	1			2				71
3H-3, 60–62	20.40			398	19.0	81.16					48					156	2	6				1				7
3H-5, 60–62	23.37			1025	5.0	84.59					365				3	273	4	12				2				2
3H-CC, 29–32	26.71			100	4.0	85.00					14					41	2	1				1				2
4H-3, 60–62	29.85			249	9.0	72.69					25				1	100	1	10				3	1			1
4H-CC, 0–5	35.75			100	12.0	60.00					35					8	1								1	
5H-1, 60–62	36.40			206	11.4	65.05					20				10	24	4	3				1	1			
5H-CC, 38–41	45.96	~3.58		100	9.0	40.00					6					2	2						1		1	
6H-3, 60–62	48.90			217	22.0	57.14					17				3	6	11	1				1	6		1	1
6H-CC, 26–29	55.24			154	12.0	53.90					8					23	12	1				12	2		1	2
7H-5, 60–62	61.40			206	11.3	78.16					52					40	49					1	1			
7H-CC, 24–29	64.93			4	0.0	50.00					1					1										
8H-4, 60–62	69.40			159	18.8	34.59					6					6	25						6			
8H-CC, 8–13	73.58			135	2.0	17.04					1					1	5	14	1				1			
9H-3, 60–62	77.40			170	11.1	62.94					46					11	4						1			2
9H-CC, 27–32	82.98			31	3.0	29.03					3					1	1	2	1				1			
10H-7, 60–62	92.90	~5.3		176	14.7	73.30					3					15	17				2	4	1		1	1
10H-CC, 30–35	93.41			119	1.0	13.45					1					1	5	2								2
11H-4, 60–62	97.90			188	7.2	61.17					1					11	31					3	1			11
12H-4, 60–62	107.40			75	41.0	38.67										4						10				
13X-1, 60–62	112.40			174	11.8	58.62					3						5					18	4			
14X-5, 60–62	125.10			185	9.6	68.11									1							11	1			1
14X-CC, 25–30	125.8			28	10.0	17.86										1										
15X-3, 60–62	131.50			0	0.0	0.00																				
16X-5, 60–62	144.30			209	3.2	46.89										8						1				1
17X-3, 60–62	150.90			91	0.0	64.84									1	2										
18X-1, 60–62	157.50			73	0.0	56.16									1											
18X-CC, 29–34	164.9			0	0.0	0.00																				
19X-6, 60–62	174.60			135	0.0	24.44											1									
20X-2, 60–62	178.30			91	2.6	9.89									1	2	1							4		2
21X-6, 60–62	193.80	~11.2	*	72	1.4	44.44										2										
22X-5, 60–62	202.00		*	128	1.5	35.16									2	4					1			2		2
22X-CC, 29–34	205.1			0	0.0	0.00																				
23X-5, 60–62	211.60		***	196	1.9	29.59					2					1	2					3		27		
24X-7, 40–42	224.00		**	131	11.2	48.09									5	13		1								3
25X-4, 60–62	229.20		**	98	0.0	68.37									1	3	1	6								
26X-4, 60–62	238.90		*	69	8.0	46.38										3	1					3				
26X-CC, 26–30	243.5			0	0.0	0.00																				
27X-1, 60–62	244.00			37	0.0	89.19									1	10	1									
28X-3, 60–62	256.50			0	0.0	0.00																				
29X-3, 60–62	266.30			0	0.0	0.00																				
30X-3, 60–62	275.90	~16.4		0	0.0	0.00																				
30X-CC, 6–11	281.5			0	0.0	0.00																				
31X-3, 60–62	285.40		***	97	5.6	41.24					2						1					6	1			
32X-4, 60–62	296.50		***	110	0.0	10.91																				
33X-3, 60–62	304.30		*	209	17.3	5.26											3					7				17

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Lophocysta* spp.	*Melitasphaeridium pseudorecurvatum*	*Melitasphaeridium choanophorum*	*Membranilarnacia?* sp.	*Membranilarnacia? picena*	*Mendicodinium* sp. A (Wrenn and Kokinos , 1986)	*Nematosphaeropsis* spp. (o)	*Octodinium askiniae*	*Operculodinium echigoense* sensu (McMinn, 1992)	*Operculodinium janduchenii*	*Operculodinium microtrianium*	*Operculodinium piaseckii*	*Operculodinium* spp. (pars.)	*Pentapharsodinium dalei* cysts	*Pentadinium laticinctum*	*Phthanoperidinium comatum*	*Phthanoperidinium filigranum*	*Phthanoperidinium* spp.	*Polysphaeridium* spp.	*Pyxidinopsis* spp.
189-1168A-																										
1H-1, 60–62	0.6			177	28.0	49.72							22						12	3						
1H-CC, 22–24	7.24			208	5.0	75.00							33						16	1					1	
2H-1, 60–62	7.90			225	39.2	39.11							20						93	14						
2H-3, 60–62	10.90			678	9.0	38.94							1						56	3						6
2H-5, 60–62	13.90			591	13.0	48.05							157						45	2						4
2H-CC, 9–11	17	~1.78		211	13.0	51.66							2						30	2						1
3H-1, 60–62	17.61			984	8.0	67.07							144			1			49	1						
3H-3, 60–62	20.40			398	19.0	81.16							50			2			6	8						
3H-5, 60–62	23.37			1025	5.0	84.59							199			4			49	23						
3H-CC, 29–32	26.71			100	4.0	85.00							5			1			3	2						1
4H-3, 60–62	29.85			249	9.0	72.69							12			6			29	11						3
4H-CC, 0–5	35.75			100	12.0	60.00							4						2							
5H-1, 60–62	36.40			206	11.4	65.05							57			20			25	4						4
5H-CC, 38–41	45.96	~3.58		100	9.0	40.00							23			2			20	1						1
6H-3, 60–62	48.90			217	22.0	57.14							25						9	18						11
6H-CC, 26–29	55.24			154	12.0	53.90							18			1			38	1						1
7H-5, 60–62	61.40			206	11.3	78.16							17						1							25
7H-CC, 24–29	64.93			4	0.0	50.00																				
8H-4, 60–62	69.40			159	18.8	34.59			1				10		29	2			3							1
8H-CC, 8–13	73.58			135	2.0	17.04									110											
9H-3, 60–62	77.40			170	11.1	62.94							31		17			1								9
9H-CC, 27–32	82.98			31	3.0	29.03									18											
10H-7, 60–62	92.90	~5.3		176	14.7	73.30							84		4	3			1							
10H-CC, 30–35	93.41			119	1.0	13.45							7		45											
11H-4, 60–62	97.90			188	7.2	61.17			2				66													28
12H-4, 60–62	107.40			75	41.0	38.67			1				14						2							
13X-1, 60–62	112.40			174	11.8	58.62			1				72													2
14X-5, 60–62	125.10			185	9.6	68.11			1				113					1	1							
14X-CC, 25–30	125.8			28	10.0	17.86							4													
15X-3, 60–62	131.50			0	0.0	0.00																				
16X-5, 60–62	144.30			209	3.2	46.89			1				74			1		1	3							
17X-3, 60–62	150.90			91	0.0	64.84							55			1										
18X-1, 60–62	157.50			73	0.0	56.16							40						1							
18X-CC, 29–34	164.9			0	0.0	0.00																				
19X-6, 60–62	174.60			135	0.0	24.44							32		1				1							
20X-2, 60–62	178.30			91	2.6	9.89							5		2				2							
21X-6, 60–62	193.80	~11.2	*	72	1.4	44.44							30						1							
22X-5, 60–62	202.00		*	128	1.5	35.16							35						6							
22X-CC, 29–34	205.1			0	0.0	0.00																				
23X-5, 60–62	211.60		***	196	1.9	29.59							50			4			18							1
24X-7, 40–42	224.00		**	131	11.2	48.09						5	35						10							
25X-4, 60–62	229.20		**	98	0.0	68.37						4	56		1				7							
26X-4, 60–62	238.90		*	69	8.0	46.38							25					7	1							
26X-CC, 26–30	243.5			0	0.0	0.00																				
27X-1, 60–62	244.00			37	0.0	89.19							21													
28X-3, 60–62	256.50			0	0.0	0.00																				
29X-3, 60–62	266.30			0	0.0	0.00																				
30X-3, 60–62	275.90	~16.4		0	0.0	0.00																				
30X-CC, 6–11	281.5			0	0.0	0.00																				
31X-3, 60–62	285.40		***	97	5.6	41.24							28		1	1		1								
32X-4, 60–62	296.50		***	110	0.0	10.91							11						15							
33X-3, 60–62	304.30		*	209	17.3	5.26			1										13		45				2	

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Reticulatosphaera actinocoronata*	*Rhombodinium* spp.	*Samlandia chlamydophora*	*Schematophora speciosa*	*Selenopemphix brevispinosum*	*Selenopemphix nephroides*	*Selenopemphix quanta*	*Spiniferites pseudofurcatus*	*Spiniferites mirabilis*	*Spiniferites* cf. *mirabilis*	*Spiniferites* spp. (pars.)	*Stelladinium stellatum*	*Stoveracysta kakanuiensis*	*Stoveracysta ornata*	*Stoveracysta* cf. *conerae*	*Svalbardella* spp.	*Tectatodinium* spp.	*Thalassiphora pelagica*	*Trinovantedinium applanatum*	*Tuberculodinium vancampoae*	*Wetzeliella gochtii/symmetrica*
189-1168A-																											
1H-1, 60–62	0.6			177	28.0	49.72							4		5	3	61								1		
1H-CC, 22–24	7.24			208	5.0	75.00									2		35										
2H-1, 60–62	7.90			225	39.2	39.11									4	1	29										
2H-3, 60–62	10.90			678	9.0	38.94									107	89	143										
2H-5, 60–62	13.90			591	13.0	48.05									76	15	94	1									
2H-CC, 9–11	17	~1.78		211	13.0	51.66									6	1	34										
3H-1, 60–62	17.61			984	8.0	67.07									54	36	113										
3H-3, 60–62	20.40			398	19.0	81.16									49	8	17										
3H-5, 60–62	23.37			1025	5.0	84.59									13	32	38										
3H-CC, 29–32	26.71			100	4.0	85.00									5	2	5										
4H-3, 60–62	29.85			249	9.0	72.69							1		7	2	12									1	
4H-CC, 0–5	35.75			100	12.0	60.00									1	1	40										
5H-1, 60–62	36.40			206	11.4	65.05									5		15										
5H-CC, 38–41	45.96	~3.58		100	9.0	40.00									2	2	32										
6H-3, 60–62	48.90			217	22.0	57.14									15	10	29										
6H-CC, 26–29	55.24			154	12.0	53.90								1	7	1	19						1				
7H-5, 60–62	61.40			206	11.3	78.16											18										
7H-CC, 24–29	64.93			4	0.0	50.00								1			1										
8H-4, 60–62	69.40			159	18.8	34.59									1		67										
8H-CC, 8–13	73.58			135	2.0	17.04											2										
9H-3, 60–62	77.40			170	11.1	62.94											31										
9H-CC, 27–32	82.98			31	3.0	29.03											4										
10H-7, 60–62	92.90	~5.3		176	14.7	73.30	6								1		30						1				
10H-CC, 30–35	93.41			119	1.0	13.45									3		52										
11H-4, 60–62	97.90			188	7.2	61.17	1										31										
12H-4, 60–62	107.40			75	41.0	38.67											43										
13X-1, 60–62	112.40			174	11.8	58.62											68										
14X-5, 60–62	125.10			185	9.6	68.11									1		51									2	
14X-CC, 25–30	125.8			28	10.0	17.86									2		20										
15X-3, 60–62	131.50			0	0.0	0.00																					
16X-5, 60–62	144.30			209	3.2	46.89								1	4		97									1	
17X-3, 60–62	150.90			91	0.0	64.84											25										
18X-1, 60–62	157.50			73	0.0	56.16											30										
18X-CC, 29–34	164.9			0	0.0	0.00																					
19X-6, 60–62	174.60			135	0.0	24.44									5		95										
20X-2, 60–62	178.30			91	2.6	9.89	1								1		60										
21X-6, 60–62	193.80	~11.2	*	72	1.4	44.44									2		33										
22X-5, 60–62	202.00		*	128	1.5	35.16									7		60										
22X-CC, 29–34	205.1			0	0.0	0.00																					
23X-5, 60–62	211.60		***	196	1.9	29.59	1										81										
24X-7, 40–42	224.00		**	131	11.2	48.09	1								1		40										
25X-4, 60–62	229.20		**	98	0.0	68.37											17										
26X-4, 60–62	238.90		*	69	8.0	46.38	1										28										
26X-CC, 26–30	243.5			0	0.0	0.00																					
27X-1, 60–62	244.00			37	0.0	89.19											4										
28X-3, 60–62	256.50			0	0.0	0.00																					
29X-3, 60–62	266.30			0	0.0	0.00																					
30X-3, 60–62	275.90	~16.4		0	0.0	0.00																					
30X-CC, 6–11	281.5			0	0.0	0.00																					
31X-3, 60–62	285.40		***	97	5.6	41.24											54										
32X-4, 60–62	296.50		***	110	0.0	10.91	3										75										
33X-3, 60–62	304.30		*	209	17.3	5.26	3										104										

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Acanthaulax?* sp.	*Achomosphaera andalousiensis*	*Aireiana verrucosa*	*Algidasphaeridium minutum cezare* (o)	*Algidasphaeridium minutum minutum* (o)	*Amiculosphaera umbracula* (o)	*Apteodinium australiense*	*Areoligera semicirculata*	*Areoligera* spp. (pars.)	*Ataxiodinium choane* (o)	*Ataxiodinium confusum* (o)	*Batiacasphaera* spp. (o)	*Bitectatodinium tepekiense* (o)	*Brigantedinium* spp. (o)	*Caligodinium pychnum*	*Caligodinium* spp. (pars.)	*Cannosphaeropsis* sp. A (o)	*Cannosphaeropsis* spp. (pars.) (o)	*Cerebrocysta poulsenii*	*Cerebrocysta* sp. A
33X-6, 60–62	308.80		***	37	0.0	10.81																				1
34X-1, 60–62	310.60		***	152	24.0	11.84																		1		1
34X-5, 60–62	316.60		***	138	4.7	2.90																				4
34X-CC, 0–5	319.5			125	6.0	7.20																				4
35X-3, 60–62	323.20		***	81	4.2	3.70																				3
35X-5, 60–62	326.20		*	147	30.3	9.52																				1
36X-3, 60–62	332.80		***	163	5.8	4.91							1							1						1
36X-4, 60–62	334.30		***	113	36.8	13.27														1						2
37X-2, 60–62	340.90		***	198	5.9	4.55																				1
37X-6, 60–62	346.90		***	113	9.5	4.42							1													2
38X-2, 60–62	350.50		***	192	12.7	13.02							3							1	1					1
38X-4, 60–62	353.50		***	39	0.0	7.69																				2
38X-CC, 50–55	357.9			3	1.0	0.00																				
39X-1, 60–62	358.60		***	179	12.4	10.06															1					
39X-5, 60–62	364.60		***	85	7.9	7.06																				1
40X-2, 60–62	369.40		**	134	1.4	25.37							1					2								
40X-6, 60–62	375.70		***	177	10.4	5.65																				1
41X-3, 60–62	380.80		***	135	9.0	4.44																				1
41X-5, 60–62	383.90		***	187	5.1	12.83																				2
42X-1, 60–62	387.50		***	162	3.7	3.70							1													1
42X-4, 60–62	392.01		***	328	11.1	7.32							4													
42X-CC, 32–37	396.6			33	10.0	3.03							1													
43X-5, 60–62	403.10		**	141	6.4	9.93							7													
43X-7, 44–46	405.64		*	178	12.3	7.87							12													
44X-2, 63–64	408.23		*	159	7.0	1.89							1													
44X-7, 33–35	415.13			200	7.6	9.50												1								
45X-3, 59–61	419.29	~23.8		191	11.8	4.71							20													
45X-6, 60–62	423.80			172	16.6	8.14							14													
46X-1, 61–64	425.91			192	13.3	3.13							15													
46X-4, 65–68	430.45			178	18.7	5.62							2											1		
46X-CC, 37–42	435.1			74	6.0	6.76							3													
47X-3, 60–62	438.50			184	8.3	13.59																				
47X-5, 60–62	441.50			161	10.8	6.83							2													
48X-2, 60–62	446.60			145	9.2	4.83							1													
48X-6, 60–62	452.60			188	18.3	8.51																				
49X-4, 60–62	459.20			188	5.3	7.98																				
49X-5, 60–62	460.50		**	160	2.7	8.13							1													
50X-2, 60–62	465.80			167	26.0	4.79							1											1		
50X-3, 60–62	467.30		**	153	15.0	9.15							1													
50X-CC, 43–48	472.7			47	10.0	8.51																				
51X-1, 60–62	473.90		*	139	13.9	3.60							1													
51X-4, 60–62	478.40			189	13.7	2.65																		1		
52X-5, 60–62	489.50			146	12.0	7.53							3													
52X-6, 60–62	491.00			179	14.2	2.79							1													
53X-3, 67–69	496.17			210	2.7	5.24																				
53X-6, 60–62	500.60			150	16.6	0.67																				
54X-2, 60–62	504.20			147	9.4	1.36																				
54X-5, 60–62	508.70			157	25.4	7.01							1													
54X-CC, 30–35	511.7			106	13.7	1.89																				
55X-4, 60–62	516.80			149	3.9	2.01																				
55X-7, 60–62	520.80			181	12.7	2.76																				
56X-1, 60–62	522.00			164	23.2	1.22																				
56X-4, 60–62	526.50		*	164	5.7	1.22							1													

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Cerebrocysta* spp. (pars.)	*Chiropteridium* spp.	*Cleistosphaeridium placacanthum*	*Cooksonidium capricornum*	*Cordosphaeridium cantharellum*	*Cordosphaeridium fibrospinosum*	*Cordosphaeridium minimum*	*Cordosphaeridium* spp. (pars.)	*Corrudinium harlandii* (o)	*Corrudinium incompositum* (o)	*Cribroperidinium* spp.	*Dalella chathamensis*	*Dapsilidinium* spp.	*Deflandrea antarctica* group	*Deflandrea convexa* group	*Deflandrea phosphoritica* group	*Dinopterygium* spp.	*Diphyes colligerum*	*Diphyes ficusoides*	*Distatodinium biffii*
33X-6, 60–62	308.80		***	37	0.0	10.81	4												2							
34X-1, 60–62	310.60		***	152	24.0	11.84	8												3							
34X-5, 60–62	316.60		***	138	4.7	2.90	3												1							
34X-CC, 0–5	319.5			125	6.0	7.20	3												2							
35X-3, 60–62	323.20		***	81	4.2	3.70	2																			
35X-5, 60–62	326.20		*	147	30.3	9.52	1												2							
36X-3, 60–62	332.80		***	163	5.8	4.91	4		1										1							
36X-4, 60–62	334.30		***	113	36.8	13.27	2		1										1							
37X-2, 60–62	340.90		***	198	5.9	4.55	1												1							
37X-6, 60–62	346.90		***	113	9.5	4.42	2		3																	
38X-2, 60–62	350.50		***	192	12.7	13.02	1												1							
38X-4, 60–62	353.50		***	39	0.0	7.69																				
38X-CC, 50–55	357.9			3	1.0	0.00	1																			
39X-1, 60–62	358.60		***	179	12.4	10.06	1												1							
39X-5, 60–62	364.60		***	85	7.9	7.06																				
40X-2, 60–62	369.40		**	134	1.4	25.37													1							
40X-6, 60–62	375.70		***	177	10.4	5.65	1						1						2							
41X-3, 60–62	380.80		***	135	9.0	4.44	1		1										2							
41X-5, 60–62	383.90		***	187	5.1	12.83													4							
42X-1, 60–62	387.50		***	162	3.7	3.70	1												1							
42X-4, 60–62	392.01		***	328	11.1	7.32													5							
42X-CC, 32–37	396.6			33	10.0	3.03													1							
43X-5, 60–62	403.10		**	141	6.4	9.93			2										1							
43X-7, 44–46	405.64		*	178	12.3	7.87													3							
44X-2, 63–64	408.23		*	159	7.0	1.89	1		1				1													
44X-7, 33–35	415.13			200	7.6	9.50			1										3							
45X-3, 59–61	419.29	~23.8		191	11.8	4.71			5										4							
45X-6, 60–62	423.80			172	16.6	8.14					1			2					4							
46X-1, 61–64	425.91			192	13.3	3.13	1		1				1						6							
46X-4, 65–68	430.45			178	18.7	5.62		1	1				1						1							
46X-CC, 37–42	435.1			74	6.0	6.76																				
47X-3, 60–62	438.50			184	8.3	13.59							1						18							
47X-5, 60–62	441.50			161	10.8	6.83		1											1							
48X-2, 60–62	446.60			145	9.2	4.83			1										2							
48X-6, 60–62	452.60			188	18.3	8.51			1				1				16		3							
49X-4, 60–62	459.20			188	5.3	7.98							1						4							
49X-5, 60–62	460.50		**	160	2.7	8.13			1				1													
50X-2, 60–62	465.80			167	26.0	4.79		1	1								2		2							
50X-3, 60–62	467.30		**	153	15.0	9.15		10					1													
50X-CC, 43–48	472.7			47	10.0	8.51																				
51X-1, 60–62	473.90		*	139	13.9	3.60											1									
51X-4, 60–62	478.40			189	13.7	2.65																				
52X-5, 60–62	489.50			146	12.0	7.53			1		1															
52X-6, 60–62	491.00			179	14.2	2.79											2		1							
53X-3, 67–69	496.17			210	2.7	5.24																				
53X-6, 60–62	500.60			150	16.6	0.67			1										1							
54X-2, 60–62	504.20			147	9.4	1.36			1										3							1
54X-5, 60–62	508.70			157	25.4	7.01											1		1							
54X-CC, 30–35	511.7			106	13.7	1.89			40										2							
55X-4, 60–62	516.80			149	3.9	2.01			1										2							
55X-7, 60–62	520.80			181	12.7	2.76			23										1							
56X-1, 60–62	522.00			164	23.2	1.22			8																	
56X-4, 60–62	526.50		*	164	5.7	1.22	1		23										2			1				

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Distatodinium* spp. (pars)	*Ectosphaeropsis burdigalensis*	*Edwardsiella sexispinosum* (o)	*Emmetrocysta urnaformis*	*Enneadocysta partridgei*	*Eocladopyxis* spp.	*Eurydinium* spp.	*Filisphaera* spp.	*Gelatia inflata* (o)	*Glaphyrocysta* spp.	*Habibacysta tectata* (o)	*Hemiplacophora semilunifera*	*Heteraulacacysta* spp.	*Histiocysta* spp.	*Homotryblium* spp.	*Hystrichokolpoma cinctum* (o)	*Hystrichokolpoma pusilla* (o)	*Hystrichokolpoma rigaudiae* (o)	*Hystrichokolpoma salacia* (o)	*Hystrichokolpoma* sp. cf. *Homotryblium oceancium* (o)
33X-6, 60–62	308.80		***	37	0.0	10.81																				
34X-1, 60–62	310.60		***	152	24.0	11.84			2																	
34X-5, 60–62	316.60		***	138	4.7	2.90																				
34X-CC, 0–5	319.5			125	6.0	7.20																				
35X-3, 60–62	323.20		***	81	4.2	3.70			1																	
35X-5, 60–62	326.20		*	147	30.3	9.52																				
36X-3, 60–62	332.80		***	163	5.8	4.91			1			4														
36X-4, 60–62	334.30		***	113	36.8	13.27			1					1							1					
37X-2, 60–62	340.90		***	198	5.9	4.55																				
37X-6, 60–62	346.90		***	113	9.5	4.42			1																	
38X-2, 60–62	350.50		***	192	12.7	13.02			1					1										1		
38X-4, 60–62	353.50		***	39	0.0	7.69																		2		
38X-CC, 50–55	357.9			3	1.0	0.00																				
39X-1, 60–62	358.60		***	179	12.4	10.06			2																	
39X-5, 60–62	364.60		***	85	7.9	7.06			1			2												1		
40X-2, 60–62	369.40		**	134	1.4	25.37			1															2		
40X-6, 60–62	375.70		***	177	10.4	5.65	1							1										1		
41X-3, 60–62	380.80		***	135	9.0	4.44	1		1						1	1								4		
41X-5, 60–62	383.90		***	187	5.1	12.83																		1		
42X-1, 60–62	387.50		***	162	3.7	3.70			1						1									1		
42X-4, 60–62	392.01		***	328	11.1	7.32									1	1					2			12		
42X-CC, 32–37	396.6			33	10.0	3.03																				
43X-5, 60–62	403.10		**	141	6.4	9.93									1									9		
43X-7, 44–46	405.64		*	178	12.3	7.87										1								1		
44X-2, 63–64	408.23		*	159	7.0	1.89						4				1								1		
44X-7, 33–35	415.13			200	7.6	9.50	1	1				4							1		1					
45X-3, 59–61	419.29	~23.8		191	11.8	4.71	1	1				3				1								7		
45X-6, 60–62	423.80			172	16.6	8.14						4														
46X-1, 61–64	425.91			192	13.3	3.13										6						1		4	1	
46X-4, 65–68	430.45			178	18.7	5.62		1							1	1			1		1			1		
46X-CC, 37–42	435.1			74	6.0	6.76										12										
47X-3, 60–62	438.50			184	8.3	13.59									1	2										
47X-5, 60–62	441.50			161	10.8	6.83									1	1								2		
48X-2, 60–62	446.60			145	9.2	4.83		1							3									2		
48X-6, 60–62	452.60			188	18.3	8.51	1								1				1		2			1		
49X-4, 60–62	459.20			188	5.3	7.98									2						1			1		
49X-5, 60–62	460.50		**	160	2.7	8.13									1	2								6		
50X-2, 60–62	465.80			167	26.0	4.79		1							3				1		6			1		
50X-3, 60–62	467.30		**	153	15.0	9.15		1							1									11		
50X-CC, 43–48	472.7			47	10.0	8.51																				
51X-1, 60–62	473.90		*	139	13.9	3.60										1								2		
51X-4, 60–62	478.40			189	13.7	2.65		1							1											
52X-5, 60–62	489.50			146	12.0	7.53									1	1			1					9		
52X-6, 60–62	491.00			179	14.2	2.79										1			1		3			1		
53X-3, 67–69	496.17			210	2.7	5.24										1			2		1	1		1		
53X-6, 60–62	500.60			150	16.6	0.67										1								1		
54X-2, 60–62	504.20			147	9.4	1.36										1								1		
54X-5, 60–62	508.70			157	25.4	7.01									2				1		1					
54X-CC, 30–35	511.7			106	13.7	1.89										1								2		
55X-4, 60–62	516.80			149	3.9	2.01															1					
55X-7, 60–62	520.80			181	12.7	2.76									1											
56X-1, 60–62	522.00			164	23.2	1.22	1								1	1			1		3					
56X-4, 60–62	526.50		*	164	5.7	1.22	1									4					2			1		

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Hystrichokolpoma* sp. A (o)	*Hystrichokolpoma* spp. (pars.) (o)	*Hystrichosphaeropsis* spp.	*Hystrichostrogylon* spp.	*Impagidinium aculeatum* (o)	*Impagidinium dispertitum* (o)	*Impagidinium japonicum* (o)	*Impagidinium maculatum* (o)	*Impagidinium pallidum* (o)	*Impagidinium paradoxum* (o)	*Impagidinium patulum* (o)	*Impagidinium sphaericum* (o)	*Impagidinium striatum* (o)	*Impagidinium victorianum* (o)	*Impagidinium velorum* (o)	*Impagidinium* spp. (pars.) (o)	*Invertocysta* spp. (o)	*Labyrinthodinium truncatum*	*Lejeunecysta* spp.	*Lingulodinium machaerophorum*
33X-6, 60–62	308.80		***	37	0.0	10.81					1					1										
34X-1, 60–62	310.60		***	152	24.0	11.84			1							3						3	1			1
34X-5, 60–62	316.60		***	138	4.7	2.90												1			1					
34X-CC, 0–5	319.5			125	6.0	7.20												7								
35X-3, 60–62	323.20		***	81	4.2	3.70										1										
35X-5, 60–62	326.20		*	147	30.3	9.52		1								1	1	1				10				2
36X-3, 60–62	332.80		***	163	5.8	4.91										4										
36X-4, 60–62	334.30		***	113	36.8	13.27		1			1					2						5				1
37X-2, 60–62	340.90		***	198	5.9	4.55																6	1			1
37X-6, 60–62	346.90		***	113	9.5	4.42										1		1								
38X-2, 60–62	350.50		***	192	12.7	13.02		1														18	1			1
38X-4, 60–62	353.50		***	39	0.0	7.69										1										
38X-CC, 50–55	357.9			3	1.0	0.00																				
39X-1, 60–62	358.60		***	179	12.4	10.06		3			2											5				6
39X-5, 60–62	364.60		***	85	7.9	7.06																3				
40X-2, 60–62	369.40		**	134	1.4	25.37					7				1						1	4	1			1
40X-6, 60–62	375.70		***	177	10.4	5.65		3	1		1											3	1			
41X-3, 60–62	380.80		***	135	9.0	4.44																				1
41X-5, 60–62	383.90		***	187	5.1	12.83		3														11				1
42X-1, 60–62	387.50		***	162	3.7	3.70																1	1			
42X-4, 60–62	392.01		***	328	11.1	7.32	1	1														1	2			2
42X-CC, 32–37	396.6			33	10.0	3.03												1								2
43X-5, 60–62	403.10		**	141	6.4	9.93																3				2
43X-7, 44–46	405.64		*	178	12.3	7.87		7														2	2			3
44X-2, 63–64	408.23		*	159	7.0	1.89															1	1				10
44X-7, 33–35	415.13			200	7.6	9.50		1		1	1											6	1		1	1
45X-3, 59–61	419.29	~23.8		191	11.8	4.71						1														
45X-6, 60–62	423.80			172	16.6	8.14	3	7														2				
46X-1, 61–64	425.91			192	13.3	3.13																				
46X-4, 65–68	430.45			178	18.7	5.62																5				
46X-CC, 37–42	435.1			74	6.0	6.76					1	1					1	1			1					
47X-3, 60–62	438.50			184	8.3	13.59		11														6				1
47X-5, 60–62	441.50			161	10.8	6.83																				1
48X-2, 60–62	446.60			145	9.2	4.83															1					1
48X-6, 60–62	452.60			188	18.3	8.51		1		1												1				1
49X-4, 60–62	459.20			188	5.3	7.98		6			1											3				1
49X-5, 60–62	460.50		**	160	2.7	8.13																2				1
50X-2, 60–62	465.80			167	26.0	4.79	1															1				
50X-3, 60–62	467.30		**	153	15.0	9.15			1														1			1
50X-CC, 43–48	472.7			47	10.0	8.51					2															
51X-1, 60–62	473.90		*	139	13.9	3.60			2	1																1
51X-4, 60–62	478.40			189	13.7	2.65		2														1				4
52X-5, 60–62	489.50			146	12.0	7.53																				
52X-6, 60–62	491.00			179	14.2	2.79		1														1				
53X-3, 67–69	496.17			210	2.7	5.24		8																		
53X-6, 60–62	500.60			150	16.6	0.67																				3
54X-2, 60–62	504.20			147	9.4	1.36																			1	3
54X-5, 60–62	508.70			157	25.4	7.01																8				4
54X-CC, 30–35	511.7			106	13.7	1.89																				
55X-4, 60–62	516.80			149	3.9	2.01																				
55X-7, 60–62	520.80			181	12.7	2.76		2															1			1
56X-1, 60–62	522.00			164	23.2	1.22																1				1
56X-4, 60–62	526.50		*	164	5.7	1.22																			1	1

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Lophocysta* spp.	*Melitasphaeridium pseudorecurvatum*	*Melitasphaeridium choanophorum*	*Membranilarnacia?* sp.	*Membranilarnacia? picena*	*Mendicodinium* sp. A (Wrenn and Kokinos , 1986)	*Nematosphaeropsis* spp. (o)	*Octodinium askiniae*	*Operculodinium echigoense* sensu (McMinn, 1992)	*Operculodinium janduchenii*	*Operculodinium microtrianium*	*Operculodinium piaseckii*	*Operculodinium* spp. (pars.)	*Pentapharsodinium dalei* cysts	*Pentadinium laticinctum*	*Phthanoperidinium comatum*	*Phthanoperidinium filigranum*	*Phthanoperidinium* spp.	*Polysphaeridium* spp.	*Pyxidinopsis* spp.
33X-6, 60–62	308.80		***	37	0.0	10.81							2						10		1					
34X-1, 60–62	310.60		***	152	24.0	11.84							8					3	35		1					
34X-5, 60–62	316.60		***	138	4.7	2.90			7				2						15		2					
34X-CC, 0–5	319.5			125	6.0	7.20							2						48							8
35X-3, 60–62	323.20		***	81	4.2	3.70							1						10		1					
35X-5, 60–62	326.20		*	147	30.3	9.52												1	17							1
36X-3, 60–62	332.80		***	163	5.8	4.91							1						25		1					
36X-4, 60–62	334.30		***	113	36.8	13.27							3						16		2					
37X-2, 60–62	340.90		***	198	5.9	4.55							2						18		1					
37X-6, 60–62	346.90		***	113	9.5	4.42							2						17							6
38X-2, 60–62	350.50		***	192	12.7	13.02							1						19		1					1
38X-4, 60–62	353.50		***	39	0.0	7.69													3		2					2
38X-CC, 50–55	357.9			3	1.0	0.00													1							
39X-1, 60–62	358.60		***	179	12.4	10.06							6						23							
39X-5, 60–62	364.60		***	85	7.9	7.06							1				1		8							
40X-2, 60–62	369.40		**	134	1.4	25.37							15						11							
40X-6, 60–62	375.70		***	177	10.4	5.65							1					1	11							
41X-3, 60–62	380.80		***	135	9.0	4.44					1					1			25		1					
41X-5, 60–62	383.90		***	187	5.1	12.83							9					1	20						1	
42X-1, 60–62	387.50		***	162	3.7	3.70							1						30							
42X-4, 60–62	392.01		***	328	11.1	7.32					1		6			3			14		2					14
42X-CC, 32–37	396.6			33	10.0	3.03												3	2		1					
43X-5, 60–62	403.10		**	141	6.4	9.93							1			1			14		1					
43X-7, 44–46	405.64		*	178	12.3	7.87							2						18		1					1
44X-2, 63–64	408.23		*	159	7.0	1.89										1			50							
44X-7, 33–35	415.13			200	7.6	9.50							9					2	4							
45X-3, 59–61	419.29	~23.8		191	11.8	4.71							1				1		26		1					
45X-6, 60–62	423.80			172	16.6	8.14							2					1	13		1					
46X-1, 61–64	425.91			192	13.3	3.13											1		19							
46X-4, 65–68	430.45			178	18.7	5.62							2					2	5							
46X-CC, 37–42	435.1			74	6.0	6.76													6							
47X-3, 60–62	438.50			184	8.3	13.59					1		7					4	16							
47X-5, 60–62	441.50			161	10.8	6.83							8				1		10							
48X-2, 60–62	446.60			145	9.2	4.83							1				1		6							
48X-6, 60–62	452.60			188	18.3	8.51					1		12						2							1
49X-4, 60–62	459.20			188	5.3	7.98							2						23							
49X-5, 60–62	460.50		**	160	2.7	8.13							4				1		12		1					
50X-2, 60–62	465.80			167	26.0	4.79							1						5							1
50X-3, 60–62	467.30		**	153	15.0	9.15							1						16		1					
50X-CC, 43–48	472.7			47	10.0	8.51							2						8							
51X-1, 60–62	473.90		*	139	13.9	3.60							3						10							
51X-4, 60–62	478.40			189	13.7	2.65													36							
52X-5, 60–62	489.50			146	12.0	7.53							1						15							
52X-6, 60–62	491.00			179	14.2	2.79							2						10							
53X-3, 67–69	496.17			210	2.7	5.24							1						9							
53X-6, 60–62	500.60			150	16.6	0.67													17		1					
54X-2, 60–62	504.20			147	9.4	1.36							1						15		1					
54X-5, 60–62	508.70			157	25.4	7.01							1						16		1					1
54X-CC, 30–35	511.7			106	13.7	1.89													6							
55X-4, 60–62	516.80			149	3.9	2.01							3						19							
55X-7, 60–62	520.80			181	12.7	2.76	1						1						40							
56X-1, 60–62	522.00			164	23.2	1.22	1												14							
56X-4, 60–62	526.50		*	164	5.7	1.22							1						9		1					

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Reticulatosphaera actinocoronata*	*Rhombodinium* spp.	*Samlandia chlamydophora*	*Schematophora speciosa*	*Selenopemphix brevispinosum*	*Selenopemphix nephroides*	*Selenopemphix quanta*	*Spiniferites pseudofurcatus*	*Spiniferites mirabilis*	*Spiniferites* cf. *mirabilis*	*Spiniferites* spp. (pars.)	*Stelladinium stellatum*	*Stoveracysta kakanuiensis*	*Stoveracysta ornata*	*Stoveracysta* cf. *conerae*	*Svalbardella* spp.	*Tectatodinium* spp.	*Thalassiphora pelagica*	*Trinovantedinium applanatum*	*Tuberculodinium vancampoae*	*Wetzeliella gochtii/symmetrica*
33X-6, 60–62	308.80		***	37	0.0	10.81											15										
34X-1, 60–62	310.60		***	152	24.0	11.84	11										70										
34X-5, 60–62	316.60		***	138	4.7	2.90											102										
34X-CC, 0–5	319.5			125	6.0	7.20									1		50										
35X-3, 60–62	323.20		***	81	4.2	3.70											62										
35X-5, 60–62	326.20		*	147	30.3	9.52	18										90										
36X-3, 60–62	332.80		***	163	5.8	4.91	1							1			116										
36X-4, 60–62	334.30		***	113	36.8	13.27	5										66						1				
37X-2, 60–62	340.90		***	198	5.9	4.55	6										160										
37X-6, 60–62	346.90		***	113	9.5	4.42								1			76										
38X-2, 60–62	350.50		***	192	12.7	13.02	2										135						1				
38X-4, 60–62	353.50		***	39	0.0	7.69								1			25				1						
38X-CC, 50–55	357.9			3	1.0	0.00											1										
39X-1, 60–62	358.60		***	179	12.4	10.06	1										128										
39X-5, 60–62	364.60		***	85	7.9	7.06								1	1		65										
40X-2, 60–62	369.40		**	134	1.4	25.37									1		85										
40X-6, 60–62	375.70		***	177	10.4	5.65	1				1						145										
41X-3, 60–62	380.80		***	135	9.0	4.44	1							1			90						1				
41X-5, 60–62	383.90		***	187	5.1	12.83	1										133										
42X-1, 60–62	387.50		***	162	3.7	3.70									1		120						1				
42X-4, 60–62	392.01		***	328	11.1	7.32	2								2		246				1		5				
42X-CC, 32–37	396.6			33	10.0	3.03	5										17										
43X-5, 60–62	403.10		**	141	6.4	9.93	3										95						1				
43X-7, 44–46	405.64		*	178	12.3	7.87	4										121										
44X-2, 63–64	408.23		*	159	7.0	1.89									1		85										
44X-7, 33–35	415.13			200	7.6	9.50	17					1			1		141										
45X-3, 59–61	419.29	~23.8		191	11.8	4.71	1								1		115						1			1	
45X-6, 60–62	423.80			172	16.6	8.14	4										114										
46X-1, 61–64	425.91			192	13.3	3.13	4								1		130						1				
46X-4, 65–68	430.45			178	18.7	5.62	11					1	1				138										
46X-CC, 37–42	435.1			74	6.0	6.76	5										43										
47X-3, 60–62	438.50			184	8.3	13.59	4										112										
47X-5, 60–62	441.50			161	10.8	6.83	2										130									1	
48X-2, 60–62	446.60			145	9.2	4.83	3					1					120						1				
48X-6, 60–62	452.60			188	18.3	8.51	1										140										
49X-4, 60–62	459.20			188	5.3	7.98	7										136										
49X-5, 60–62	460.50		**	160	2.7	8.13	1										125							1			
50X-2, 60–62	465.80			167	26.0	4.79	3										135										
50X-3, 60–62	467.30		**	153	15.0	9.15	7										100										
50X-CC, 43–48	472.7			47	10.0	8.51	1										34										
51X-1, 60–62	473.90		*	139	13.9	3.60	10								1		105									1	
51X-4, 60–62	478.40			189	13.7	2.65	1										142										
52X-5, 60–62	489.50			146	12.0	7.53	1								1		110						1				
52X-6, 60–62	491.00			179	14.2	2.79	1					2					152										
53X-3, 67–69	496.17			210	2.7	5.24	6							1			179										
53X-6, 60–62	500.60			150	16.6	0.67	3							1	1		120										
54X-2, 60–62	504.20			147	9.4	1.36	5							1	2		110						1				
54X-5, 60–62	508.70			157	25.4	7.01	4				1						114										
54X-CC, 30–35	511.7			106	13.7	1.89	2										53										
55X-4, 60–62	516.80			149	3.9	2.01	10							1	1		110						1				
55X-7, 60–62	520.80			181	12.7	2.76											110										
56X-1, 60–62	522.00			164	23.2	1.22											130						1			1	
56X-4, 60–62	526.50		*	164	5.7	1.22	1						1				110						2			1	

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Acanthaulax?* sp.	*Achomosphaera andalousiensis*	*Aireiana verrucosa*	*Algidasphaeridium minutum cezare* (o)	*Algidasphaeridium minutum minutum* (o)	*Amiculosphaera umbracula* (o)	*Apteodinium australiense*	*Areoligera semicirculata*	*Areoligera* spp. (pars.)	*Ataxiodinium choane* (o)	*Ataxiodinium confusum* (o)	*Batiacasphaera* spp. (o)	*Bitectatodinium tepekiense* (o)	*Brigantedinium* spp. (o)	*Caligodinium pychnum*	*Caligodinium* spp. (pars.)	*Cannosphaeropsis* sp. A (o)	*Cannosphaeropsis* spp. (pars.) (o)	*Cerebrocysta poulsenii*	*Cerebrocysta* sp. A
57X-2, 60–62	533.20			178	13.1	2.81																				
57X-7, 60–62	540.10		*	221	15.0	2.26							3													
58X-3, 60–62	544.30			193	18.3	8.29							1													
58X-CC, 45–50	550.6			3	0.0	0.00																				
59X-1, 60–62	560.00			132	24.5	3.79																				
59X-6, 60–62	558.50			171	23.0	6.43																				
60X-2, 60–62	562.10			104	54.2	1.92																				
60X-4, 60–62	565.10			163	30.5	1.84																				
61X-3, 60–62	573.20			139	8.5	5.04								1												
61X-5, 60–62	576.20			177	9.9	8.47																				
62X-1, 60–62	579.60	~28.5		103	6.8	1.94																				
62X-4, 60–62	584.30			127	41.9	6.30																				
62X-CC, 32–37	587.2			44	43.2	4.55																				
63X-2, 60–62	590.90			46	78.5	6.52																				
63X-3, 60–62	592.40			136	3.3	4.41																	1			
64X-5, 60–62	602.00			133	3.0	6.02																				
64X-6, 60–62	606.50			143	36.6	4.90																				
65X-2, 60–62	610.10			154	18.4	4.55								1												
65X-3, 60–62	611.60			138	8.7	5.07																				
66X-1, 60–62	618.20			93	49.8	3.23																		1		
66X-5, 60–62	624.20			125	27.3	8.80																				
66X-CC, 34–39	625.5			62	15.0	1.61																				
67X-2, 58–60	629.28			69	64.8	5.80																				
67X-4, 60–62	632.20			128	7.6	6.25																				
68X-3, 60–62	640.40			131	31.7	3.05								1												
68X-6, 60–62	644.80			147	9.5	4.76																				
69X-1, 60–62	645.00			158	19.0	4.43																				
69X-4, 60–62	651.50			161	14.6	4.35									1											
70X-2, 60–62	658.20			161	9.4	17.39																				
70X-3, 60–62	659.70			163	18.8	4.29							1	1									2			
70X-CC, 36–41	661.5			247	5.0	2.83							2										5			
71X-3, 60–62	669.50			191	9.2	1.05																				
71X-5, 60–62	672.40			82	60.2	4.88							1	1												
72X-2, 63–65	677.53			120	22.1	6.67																				
72X-4, 46–48	680.36			97	55.8	5.15									1											
73X-1, 60–62	685.60			104	21.7	2.88								1												
73X-3, 57–59	688.57			147	25.6	4.76																				
74X-2, 63–65	696.83			130	31.3	6.15							1	1	1											
74X-5, 60–62	701.30			84	55.5	3.57							3													
74X-CC, 32–37	702.3			105	10.0	29.52							5													
75X-3, 60–62	707.90			106	60.1	3.77																1				
75X-6, 60–62	712.40			115	47.8	1.74																				
75X-CC, 27–32	714.1			18	70.0	0.00																				
76X-1, 60–62	714.50			29	86.6	6.90																				
76X-5, 60–62	720.50			99	80.1	1.01																				
77X-2, 60–62	725.50			121	63.3	3.31																				
77X-4, 60–62	728.70			112	47.9	5.36																				
78X-4, 60–62	737.20			137	77.5	12.41																				
78X-7, 60–62	741.75			29	86.1	17.24																				
78X-CC, 43–48	743.2	~33.7		2	80.0	0.00																				
79X-3, 60–62	746.20			87	76.1	8.05																				
79X-5, 60–62	749.40			51	64.4	5.88																				
79X-CC, 34–39	752.5			64	40.0	4.69																				

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Cerebrocysta* spp. (pars.)	*Chiropteridium* spp.	*Cleistosphaeridium placacanthum*	*Cooksonidium capricornum*	*Cordosphaeridium cantharellum*	*Cordosphaeridium fibrospinosum*	*Cordosphaeridium minimum*	*Cordosphaeridium* spp. (pars.)	*Corrudinium harlandii* (o)	*Corrudinium incompositum* (o)	*Cribroperidinium* spp.	*Dalella chathamensis*	*Dapsilidinium* spp.	*Deflandrea antarctica* group	*Deflandrea convexa* group	*Deflandrea phosphoritica* group	*Dinopterygium* spp.	*Diphyes colligerum*	*Diphyes ficusoides*	*Distatodinium biffii*
57X-2, 60–62	533.20			178	13.1	2.81			3										4							2
57X-7, 60–62	540.10		*	221	15.0	2.26	1		8		1	1	1						7							1
58X-3, 60–62	544.30			193	18.3	8.29			30										3							
58X-CC, 45–50	550.6			3	0.0	0.00			1																	
59X-1, 60–62	560.00			132	24.5	3.79	1		15				1													
59X-6, 60–62	558.50			171	23.0	6.43			10										6							
60X-2, 60–62	562.10			104	54.2	1.92													3							
60X-4, 60–62	565.10			163	30.5	1.84			4										4							
61X-3, 60–62	573.20			139	8.5	5.04			7								1		10				2			
61X-5, 60–62	576.20			177	9.9	8.47							1						3							
62X-1, 60–62	579.60	~28.5		103	6.8	1.94			30								2		1							
62X-4, 60–62	584.30			127	41.9	6.30	1												3				4			
62X-CC, 32–37	587.2			44	43.2	4.55													1							
63X-2, 60–62	590.90			46	78.5	6.52																	1			
63X-3, 60–62	592.40			136	3.3	4.41			12										25							
64X-5, 60–62	602.00			133	3.0	6.02			1				1						9							
64X-6, 60–62	606.50			143	36.6	4.90													1				1			
65X-2, 60–62	610.10			154	18.4	4.55	1		2									1	18							
65X-3, 60–62	611.60			138	8.7	5.07			1				1						6			1	1			
66X-1, 60–62	618.20			93	49.8	3.23			1										9							
66X-5, 60–62	624.20			125	27.3	8.80			1																	
66X-CC, 34–39	625.5			62	15.0	1.61			2																	
67X-2, 58–60	629.28			69	64.8	5.80			1										2				1			
67X-4, 60–62	632.20			128	7.6	6.25													4			2				
68X-3, 60–62	640.40			131	31.7	3.05			1																	
68X-6, 60–62	644.80			147	9.5	4.76			8				1						4				1			
69X-1, 60–62	645.00			158	19.0	4.43			12				1						10							
69X-4, 60–62	651.50			161	14.6	4.35			5				2						4							
70X-2, 60–62	658.20			161	9.4	17.39			10				1						3							
70X-3, 60–62	659.70			163	18.8	4.29	1		11										4							
70X-CC, 36–41	661.5			247	5.0	2.83			3										17							
71X-3, 60–62	669.50			191	9.2	1.05			1										1			1				
71X-5, 60–62	672.40			82	60.2	4.88	1		2										6							
72X-2, 63–65	677.53			120	22.1	6.67			1				1						12							
72X-4, 46–48	680.36			97	55.8	5.15	1		1										11							
73X-1, 60–62	685.60			104	21.7	2.88			1										12							
73X-3, 57–59	688.57			147	25.6	4.76					1						2									
74X-2, 63–65	696.83			130	31.3	6.15										1			6			2				
74X-5, 60–62	701.30			84	55.5	3.57			1				1						2			1				
74X-CC, 32–37	702.3			105	10.0	29.52			1																	
75X-3, 60–62	707.90			106	60.1	3.77			1				1									2	1			
75X-6, 60–62	712.40			115	47.8	1.74							1						1			2				
75X-CC, 27–32	714.1			18	70.0	0.00			1																	
76X-1, 60–62	714.50			29	86.6	6.90			3				1						1			3				
76X-5, 60–62	720.50			99	80.1	1.01			27			4	1				1									
77X-2, 60–62	725.50			121	63.3	3.31			1			1	1				2		4			2				
77X-4, 60–62	728.70			112	47.9	5.36							3									1	1			
78X-4, 60–62	737.20			137	77.5	12.41					1					1						15				
78X-7, 60–62	741.75			29	86.1	17.24				1												3				
78X-CC, 43–48	743.2	~33.7		2	80.0	0.00																				
79X-3, 60–62	746.20			87	76.1	8.05			4										2			4				
79X-5, 60–62	749.40			51	64.4	5.88			2					2								6	1			
79X-CC, 34–39	752.5			64	40.0	4.69			33													1				

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Distatodinium* spp. (pars)	*Ectosphaeropsis burdigalensis*	*Edwardsiella sexispinosum* (o)	*Emmetrocysta urnaformis*	*Enneadocysta partridgei*	*Eocladopyxis* spp.	*Eurydinium* spp.	*Filisphaera* spp.	*Gelatia inflata* (o)	*Glaphyrocysta* spp.	*Habibacysta tectata* (o)	*Hemiplacophora semilunifera*	*Heteraulacacysta* spp.	*Histiocysta* spp.	*Homotryblium* spp.	*Hystrichokolpoma cinctum* (o)	*Hystrichokolpoma pusilla* (o)	*Hystrichokolpoma rigaudiae* (o)	*Hystrichokolpoma salacia* (o)	*Hystrichokolpoma* sp. cf. *Homotryblium oceancium* (o)
57X-2, 60–62	533.20			178	13.1	2.81										1					1					
57X-7, 60–62	540.10		*	221	15.0	2.26						12				14					1			3		1
58X-3, 60–62	544.30			193	18.3	8.29									1	5								5		1
58X-CC, 45–50	550.6			3	0.0	0.00																				
59X-1, 60–62	560.00			132	24.5	3.79										2								5		
59X-6, 60–62	558.50			171	23.0	6.43									1									1		
60X-2, 60–62	562.10			104	54.2	1.92									1	1										
60X-4, 60–62	565.10			163	30.5	1.84										2							2	1		
61X-3, 60–62	573.20			139	8.5	5.04										1			7					4		1
61X-5, 60–62	576.20			177	9.9	8.47																		1		
62X-1, 60–62	579.60	~28.5		103	6.8	1.94										1								1		
62X-4, 60–62	584.30			127	41.9	6.30										1			4		1			1		
62X-CC, 32–37	587.2			44	43.2	4.55																		1		
63X-2, 60–62	590.90			46	78.5	6.52									1	1			1					1		
63X-3, 60–62	592.40			136	3.3	4.41	1									1								2		
64X-5, 60–62	602.00			133	3.0	6.02									1	1							1	2		1
64X-6, 60–62	606.50			143	36.6	4.90																1		1		
65X-2, 60–62	610.10			154	18.4	4.55																				1
65X-3, 60–62	611.60			138	8.7	5.07									1	1							1	4		
66X-1, 60–62	618.20			93	49.8	3.23																		1		
66X-5, 60–62	624.20			125	27.3	8.80									3	1								6		1
66X-CC, 34–39	625.5			62	15.0	1.61																		1		
67X-2, 58–60	629.28			69	64.8	5.80										1			1					1		
67X-4, 60–62	632.20			128	7.6	6.25																	1	6		1
68X-3, 60–62	640.40			131	31.7	3.05										1								1		
68X-6, 60–62	644.80			147	9.5	4.76									1	1					1			2		1
69X-1, 60–62	645.00			158	19.0	4.43									1	2								6		
69X-4, 60–62	651.50			161	14.6	4.35										1					2					
70X-2, 60–62	658.20			161	9.4	17.39										5								25		
70X-3, 60–62	659.70			163	18.8	4.29																1				
70X-CC, 36–41	661.5			247	5.0	2.83						3				23								2		
71X-3, 60–62	669.50			191	9.2	1.05	2																			
71X-5, 60–62	672.40			82	60.2	4.88	1																	1		
72X-2, 63–65	677.53			120	22.1	6.67	2																	5	1	1
72X-4, 46–48	680.36			97	55.8	5.15	1																	2		
73X-1, 60–62	685.60			104	21.7	2.88	1									3								3		
73X-3, 57–59	688.57			147	25.6	4.76									1									2		
74X-2, 63–65	696.83			130	31.3	6.15																		3	2	
74X-5, 60–62	701.30			84	55.5	3.57	3									1										
74X-CC, 32–37	702.3			105	10.0	29.52	1					17				1								30		
75X-3, 60–62	707.90			106	60.1	3.77									1				1							
75X-6, 60–62	712.40			115	47.8	1.74																		2		
75X-CC, 27–32	714.1			18	70.0	0.00																				
76X-1, 60–62	714.50			29	86.6	6.90										1										
76X-5, 60–62	720.50			99	80.1	1.01																				
77X-2, 60–62	725.50			121	63.3	3.31																		1		
77X-4, 60–62	728.70			112	47.9	5.36									1				2	1				1		
78X-4, 60–62	737.20			137	77.5	12.41	3				1										2			15		
78X-7, 60–62	741.75			29	86.1	17.24	1														1	1		1		
78X-CC, 43–48	743.2	~33.7		2	80.0	0.00																				
79X-3, 60–62	746.20			87	76.1	8.05																		3		
79X-5, 60–62	749.40			51	64.4	5.88	1									1								1		
79X-CC, 34–39	752.5			64	40.0	4.69	1																	2		

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Hystrichokolpoma* sp. A (o)	*Hystrichokolpoma* spp. (pars.) (o)	*Hystrichosphaeropsis* spp.	*Hystrichostrogylon* spp.	*Impagidinium aculeatum* (o)	*Impagidinium dispertitum* (o)	*Impagidinium japonicum* (o)	*Impagidinium maculatum* (o)	*Impagidinium pallidum* (o)	*Impagidinium paradoxum* (o)	*Impagidinium patulum* (o)	*Impagidinium sphaericum* (o)	*Impagidinium striatum* (o)	*Impagidinium victorianum* (o)	*Impagidinium velorum* (o)	*Impagidinium* spp. (pars.) (o)	*Invertocysta* spp. (o)	*Labyrinthodinium truncatum*	*Lejeunecysta* spp.	*Lingulodinium machaerophorum*
57X-2, 60–62	533.20			178	13.1	2.81		3														1				3
57X-7, 60–62	540.10		*	221	15.0	2.26																				3
58X-3, 60–62	544.30			193	18.3	8.29	1	6		1												1				
58X-CC, 45–50	550.6			3	0.0	0.00																				
59X-1, 60–62	560.00			132	24.5	3.79																				
59X-6, 60–62	558.50			171	23.0	6.43		6														3				3
60X-2, 60–62	562.10			104	54.2	1.92		1																		
60X-4, 60–62	565.10			163	30.5	1.84																				
61X-3, 60–62	573.20			139	8.5	5.04				1												2				
61X-5, 60–62	576.20			177	9.9	8.47		14																		1
62X-1, 60–62	579.60	~28.5		103	6.8	1.94									1											
62X-4, 60–62	584.30			127	41.9	6.30	2	4		1												1			1	1
62X-CC, 32–37	587.2			44	43.2	4.55						1														
63X-2, 60–62	590.90			46	78.5	6.52				1												1				
63X-3, 60–62	592.40			136	3.3	4.41			1	2												3			1	
64X-5, 60–62	602.00			133	3.0	6.02					2											1				
64X-6, 60–62	606.50			143	36.6	4.90	1	2		1												1				
65X-2, 60–62	610.10			154	18.4	4.55		3														3				
65X-3, 60–62	611.60			138	8.7	5.07				1					1											
66X-1, 60–62	618.20			93	49.8	3.23		1																	1	3
66X-5, 60–62	624.20			125	27.3	8.80				5													1			1
66X-CC, 34–39	625.5			62	15.0	1.61																				
67X-2, 58–60	629.28			69	64.8	5.80		2		1												1				
67X-4, 60–62	632.20			128	7.6	6.25				3																
68X-3, 60–62	640.40			131	31.7	3.05		1		1												1				1
68X-6, 60–62	644.80			147	9.5	4.76				1		2											1			1
69X-1, 60–62	645.00			158	19.0	4.43																				
69X-4, 60–62	651.50			161	14.6	4.35		1														2			1	
70X-2, 60–62	658.20			161	9.4	17.39																	1			
70X-3, 60–62	659.70			163	18.8	4.29		1																		
70X-CC, 36–41	661.5			247	5.0	2.83				8																
71X-3, 60–62	669.50			191	9.2	1.05				5	1															1
71X-5, 60–62	672.40			82	60.2	4.88		2		1																1
72X-2, 63–65	677.53			120	22.1	6.67																				
72X-4, 46–48	680.36			97	55.8	5.15	1	1		1																
73X-1, 60–62	685.60			104	21.7	2.88																				
73X-3, 57–59	688.57			147	25.6	4.76		3																	2	3
74X-2, 63–65	696.83			130	31.3	6.15					1									1						1
74X-5, 60–62	701.30			84	55.5	3.57		1		1												1				3
74X-CC, 32–37	702.3			105	10.0	29.52				3		1													3	1
75X-3, 60–62	707.90			106	60.1	3.77		1														1			2	
75X-6, 60–62	712.40			115	47.8	1.74																				
75X-CC, 27–32	714.1			18	70.0	0.00																			2	
76X-1, 60–62	714.50			29	86.6	6.90																1				
76X-5, 60–62	720.50			99	80.1	1.01			2											1						
77X-2, 60–62	725.50			121	63.3	3.31						1								1		1			1	1
77X-4, 60–62	728.70			112	47.9	5.36																3				10
78X-4, 60–62	737.20			137	77.5	12.41																1			6	
78X-7, 60–62	741.75			29	86.1	17.24		3																		
78X-CC, 43–48	743.2	~33.7		2	80.0	0.00																				
79X-3, 60–62	746.20			87	76.1	8.05														3		1				
79X-5, 60–62	749.40			51	64.4	5.88																			3	
79X-CC, 34–39	752.5			64	40.0	4.69						1														

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Lophocysta* spp.	*Melitasphaeridium pseudorecurvatum*	*Melitasphaeridium choanophorum*	*Membranilarnacia?* sp.	*Membranilarnacia? picena*	*Mendicodinium* sp. A (Wrenn and Kokinos , 1986)	*Nematosphaeropsis* spp. (o)	*Octodinium askiniae*	*Operculodinium echigoense* sensu (McMinn, 1992)	*Operculodinium janduchenii*	*Operculodinium microtrianium*	*Operculodinium piaseckii*	*Operculodinium* spp. (pars.)	*Pentapharsodinium dalei* cysts	*Pentadinium laticinctum*	*Phthanoperidinium comatum*	*Phthanoperidinium filigranum*	*Phthanoperidinium* spp.	*Polysphaeridium* spp.	*Pyxidinopsis* spp.
57X-2, 60–62	533.20			178	13.1	2.81							1						22							
57X-7, 60–62	540.10		*	221	15.0	2.26							1				12		20							
58X-3, 60–62	544.30			193	18.3	8.29	1						1						11		1			1		
58X-CC, 45–50	550.6			3	0.0	0.00													1							
59X-1, 60–62	560.00			132	24.5	3.79	1												2							
59X-6, 60–62	558.50			171	23.0	6.43													4							
60X-2, 60–62	562.10			104	54.2	1.92													1							
60X-4, 60–62	565.10			163	30.5	1.84											1		17							
61X-3, 60–62	573.20			139	8.5	5.04											1		5							
61X-5, 60–62	576.20			177	9.9	8.47													8							1
62X-1, 60–62	579.60	~28.5		103	6.8	1.94													20							
62X-4, 60–62	584.30			127	41.9	6.30													4							
62X-CC, 32–37	587.2			44	43.2	4.55													3							
63X-2, 60–62	590.90			46	78.5	6.52													1							
63X-3, 60–62	592.40			136	3.3	4.41											1		5							
64X-5, 60–62	602.00			133	3.0	6.02													8							
64X-6, 60–62	606.50			143	36.6	4.90							1						1							
65X-2, 60–62	610.10			154	18.4	4.55													8							1
65X-3, 60–62	611.60			138	8.7	5.07	1												7							
66X-1, 60–62	618.20			93	49.8	3.23													3					1		
66X-5, 60–62	624.20			125	27.3	8.80													14							
66X-CC, 34–39	625.5			62	15.0	1.61													55							
67X-2, 58–60	629.28			69	64.8	5.80	1												1							
67X-4, 60–62	632.20			128	7.6	6.25													4							
68X-3, 60–62	640.40			131	31.7	3.05	1						1						2							
68X-6, 60–62	644.80			147	9.5	4.76													17							
69X-1, 60–62	645.00			158	19.0	4.43											5		13							
69X-4, 60–62	651.50			161	14.6	4.35	3						4						1							1
70X-2, 60–62	658.20			161	9.4	17.39							2						12							
70X-3, 60–62	659.70			163	18.8	4.29							3						1							
70X-CC, 36–41	661.5			247	5.0	2.83													12							
71X-3, 60–62	669.50			191	9.2	1.05							1						22							1
71X-5, 60–62	672.40			82	60.2	4.88							1						4		1					1
72X-2, 63–65	677.53			120	22.1	6.67							1						10							
72X-4, 46–48	680.36			97	55.8	5.15							1						3						2	
73X-1, 60–62	685.60			104	21.7	2.88													15							
73X-3, 57–59	688.57			147	25.6	4.76							1						2							
74X-2, 63–65	696.83			130	31.3	6.15													8							
74X-5, 60–62	701.30			84	55.5	3.57							1						9							
74X-CC, 32–37	702.3			105	10.0	29.52													15							
75X-3, 60–62	707.90			106	60.1	3.77							1						34					1		
75X-6, 60–62	712.40			115	47.8	1.74													10							
75X-CC, 27–32	714.1			18	70.0	0.00													6							
76X-1, 60–62	714.50			29	86.6	6.90							1						1			1				
76X-5, 60–62	720.50			99	80.1	1.01													16		1	2				
77X-2, 60–62	725.50			121	63.3	3.31													8						2	
77X-4, 60–62	728.70			112	47.9	5.36	1						1						6							
78X-4, 60–62	737.20			137	77.5	12.41													28			2		1		1
78X-7, 60–62	741.75			29	86.1	17.24													2				1			1
78X-CC, 43–48	743.2	~33.7		2	80.0	0.00													1							
79X-3, 60–62	746.20			87	76.1	8.05													17							6
79X-5, 60–62	749.40			51	64.4	5.88							2						1					4		1
79X-CC, 34–39	752.5			64	40.0	4.69													2							

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Reticulatosphaera actinocoronata*	*Rhombodinium* spp.	*Samlandia chlamydophora*	*Schematophora speciosa*	*Selenopemphix brevispinosum*	*Selenopemphix nephroides*	*Selenopemphix quanta*	*Spiniferites pseudofurcatus*	*Spiniferites mirabilis*	*Spiniferites* cf. *mirabilis*	*Spiniferites* spp. (pars.)	*Stelladinium stellatum*	*Stoveracysta kakanuiensis*	*Stoveracysta ornata*	*Stoveracysta* cf. *conerae*	*Svalbardella* spp.	*Tectatodinium* spp.	*Thalassiphora pelagica*	*Trinovantedinium applanatum*	*Tuberculodinium vancampoae*	*Wetzeliella gochtii/symmetrica*
57X-2, 60–62	533.20			178	13.1	2.81	7										130										
57X-7, 60–62	540.10		*	221	15.0	2.26	6					1		1	2		120							1			
58X-3, 60–62	544.30			193	18.3	8.29											118					5					
58X-CC, 45–50	550.6			3	0.0	0.00											1										
59X-1, 60–62	560.00			132	24.5	3.79	5										100										
59X-6, 60–62	558.50			171	23.0	6.43	2										135										
60X-2, 60–62	562.10			104	54.2	1.92						1					95										1
60X-4, 60–62	565.10			163	30.5	1.84	12										120										
61X-3, 60–62	573.20			139	8.5	5.04	5										90							1			
61X-5, 60–62	576.20			177	9.9	8.47	3										145										
62X-1, 60–62	579.60	~28.5		103	6.8	1.94	1						1				45										
62X-4, 60–62	584.30			127	41.9	6.30	8										90										
62X-CC, 32–37	587.2			44	43.2	4.55	4										34										
63X-2, 60–62	590.90			46	78.5	6.52	1										37										
63X-3, 60–62	592.40			136	3.3	4.41	4					1					75							1			
64X-5, 60–62	602.00			133	3.0	6.02	3					1					100							1			
64X-6, 60–62	606.50			143	36.6	4.90	21										110							1			
65X-2, 60–62	610.10			154	18.4	4.55	3										112										
65X-3, 60–62	611.60			138	8.7	5.07	6					3			1		100							1			
66X-1, 60–62	618.20			93	49.8	3.23	1								1		70										
66X-5, 60–62	624.20			125	27.3	8.80	1								1		90										
66X-CC, 34–39	625.5			62	15.0	1.61											4										
67X-2, 58–60	629.28			69	64.8	5.80											55							1			
67X-4, 60–62	632.20			128	7.6	6.25	16										90							1			
68X-3, 60–62	640.40			131	31.7	3.05	7					1					110							1			
68X-6, 60–62	644.80			147	9.5	4.76	8								1		95						1				
69X-1, 60–62	645.00			158	19.0	4.43	1								1		105										1
69X-4, 60–62	651.50			161	14.6	4.35	13										120										
70X-2, 60–62	658.20			161	9.4	17.39	1										100							1			
70X-3, 60–62	659.70			163	18.8	4.29	1	1									134							1			
70X-CC, 36–41	661.5			247	5.0	2.83											92							80			
71X-3, 60–62	669.50			191	9.2	1.05	1								12		140						1	1			
71X-5, 60–62	672.40			82	60.2	4.88	3										50						1	3			1
72X-2, 63–65	677.53			120	22.1	6.67	4								1		80							1			
72X-4, 46–48	680.36			97	55.8	5.15	1										65						3	1			1
73X-1, 60–62	685.60			104	21.7	2.88	4								1		60							2			1
73X-3, 57–59	688.57			147	25.6	4.76	5										89							36			
74X-2, 63–65	696.83			130	31.3	6.15	2										65							35			
74X-5, 60–62	701.30			84	55.5	3.57	1										55										
74X-CC, 32–37	702.3			105	10.0	29.52											24										3
75X-3, 60–62	707.90			106	60.1	3.77	1					1					56										
75X-6, 60–62	712.40			115	47.8	1.74			1						3		95										
75X-CC, 27–32	714.1			18	70.0	0.00											8							1			
76X-1, 60–62	714.50			29	86.6	6.90											16										
76X-5, 60–62	720.50			99	80.1	1.01	3										41										
77X-2, 60–62	725.50			121	63.3	3.31							4		15		75										
77X-4, 60–62	728.70			112	47.9	5.36								1	1		79										
78X-4, 60–62	737.20			137	77.5	12.41	5					2		1	2		50										
78X-7, 60–62	741.75			29	86.1	17.24						1		1	1		11										
78X-CC, 43–48	743.2	~33.7		2	80.0	0.00											1										
79X-3, 60–62	746.20			87	76.1	8.05			2					1			40			4							
79X-5, 60–62	749.40			51	64.4	5.88								1	1		21		2	1							
79X-CC, 34–39	752.5			64	40.0	4.69											24										

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Acanthaulax*? sp.	*Achomosphaera andalousiensis*	*Aireiana verrucosa*	*Algidasphaeridium minutum cezare* (o)	*Algidasphaeridium minutum minutum* (o)	*Amiculosphaera umbracula* (o)	*Apteodinium australiense*	*Areoligera semicirculata*	*Areoligera* spp. (pars.)	*Ataxiodinium choane* (o)	*Ataxiodinium confusum* (o)	*Batiacasphaera* spp. (o)	*Bitectatodinium tepekiense* (o)	*Briganteedinium* spp. (o)	*Caligodinium pychnum*	*Caligodinium* spp. (pars.)	*Cannosphaeropsis* sp. A (o)	*Cannosphaeropsis* spp. (pars.) (o)	*Cerebrocysta poulsenii*	*Cerebrocysta* sp. A
80X-2, 60–62	754.40			101	84.5	8.91																				
80X-5, 60–62	758.90			272	50.0	3.68																		1		
80X-6, 60–62	760.50			79	62.6	12.66																				
80X-CC, 34–39	762			2	75.0	0.00																				
81X-3, 60–62	765.20			49	60.7	0.00																				
81X-7, 60–62	771.00			5	95.0	0.00																				
81X-CC, 24–29	771.8			2	90.0	0.00																				
82X-1, 60–62	772.20			31	72.5	9.68									1											
82X-5, 60–62	778.10			6	95.0	0.00																				
82X-CC, 33–38	781			35	60.0	0.00																				
83X-4, 60–62	786.30			31	85.3	3.23																				
83X-7, 60–62	790.20			147	25.0	2.04									1									1		
83X-CC, 35–41	790.9			2	99.0	0.00																				
84X-3, 60–62	794.40			79	57.2	0.00									1											
84X-6, 60–62	798.80			107	67.3	14.95									4											
84X-CC, 31–36	799.5			1	99.0	0.00																				
85X-2, 60–62	802.50			99	68.8	2.02									5											
85X-4, 60–62	805.50			35	66.0	2.86																				
85X-CC, 25–31	809			8	90.0	0.00																				
86X-1, 64–66	810.54			33	77.0	6.06																				
86X-5, 60–62	816.50			61	46.5	4.92																				
86X-CC, 37–42	818.3			5	88.0	0.00																				
87X-2, 60–62	821.60			20	86.4	5.00																				
87X-5, 60–62	826.00			103	63.5	7.77																				
87X-CC, 22–27	828.4			6	87.0	0.00																				
88X-1, 60–62	829.70			30	84.7	6.67																				
88X-6, 55–57	837.15			24	82.6	4.17			1																	
89X-3, 60–62	842.30			20	75.6	10.00																				
89X-4, 60–62	843.80			101	64.2	1.98																		1		
90X-1, 60–62	848.90			8	90.3	0.00																				
90X-2, 60–62	849.90			10	89.5	20.00																				
91X-3, 60–62	859.00			10	80.1	30.00																				
91X-5, 60–62	861.00			3	95.0	0.00																				
92X-2, 60–62	863.50			8	85.3	12.50																				
92X-7, 55–57	870.80			5	82.7	0.00																				
92X-CC, 33–38	871.2			1	90.0	0.00																				
93X-2, 60–62	869.60			12	85.0	8.33									1											
93X-6, 48–50	875.44			12	86.8	16.67																				
93X-CC, 28–35	876			0	100.0	0.00																				
94X-1, 60–62	876.10			6	74.4	16.67																				
94X-3, 64–66	876.97			42	71.3	4.76																				
94X-CC, 33–39	878.1			0	100.0	0.00																				
95X-1, 64–66	878.14			14	78.7	14.29																				
95X-2, 56–58	879.56			11	83.7	9.09																				
95X-CC, 24–29	880.4	~37.4		1	100.0	0.00																				

Notes: Oceanic (non-neritic) dinocysts are marked with (o). Ages are derived from **Stickley et al.**, this volume. Shaded areas = slides poor in dinocysts. * = samples characterized by huge influxes of acritarchs; number of asterisks indicates the relative abundance. These are not included in the general palynomorph count, as discussed in **"Palynological Processing and Counting,"** p. 3, in "Material and Methods."

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Cerebrocysta* spp. (pars.)	*Chiropteridium* spp.	*Cleistosphaeridium placacanthum*	*Cooksonidium capricornum*	*Cordosphaeridium cantharellum*	*Cordosphaeridium fibrospinosum*	*Cordosphaeridium minimum*	*Cordosphaeridium* spp. (pars.)	*Corrudinium harlandii* (o)	*Corrudinium incompositum* (o)	*Cribroperidinium* spp.	*Dalella chathamensis*	*Dapsilidinium* spp.	*Deflandrea antarctica* group	*Deflandrea convexa* group	*Deflandrea phosphoritica* group	*Dinopterygium* spp.	*Diphyes colligerum*	*Diphyes ficusoides*	*Distatodinium biffii*
80X-2, 60–62	754.40			101	84.5	8.91			1	3	1	1				2	1					4				
80X-5, 60–62	758.90			272	50.0	3.68				6		18				3			9			19				
80X-6, 60–62	760.50			79	62.6	12.66			2	2				1		2			1			3	1			
80X-CC, 34–39	762			2	75.0	0.00																				
81X-3, 60–62	765.20			49	60.7	0.00			1													1				
81X-7, 60–62	771.00			5	95.0	0.00																2				
81X-CC, 24–29	771.8			2	90.0	0.00																				
82X-1, 60–62	772.20			31	72.5	9.68			2	1																
82X-5, 60–62	778.10			6	95.0	0.00						1										2				
82X-CC, 33–38	781			35	60.0	0.00			13								1								1	
83X-4, 60–62	786.30			31	85.3	3.23			2	1				1								2	1			
83X-7, 60–62	790.20			147	25.0	2.04			1	95													4			
83X-CC, 35–41	790.9			2	99.0	0.00																				
84X-3, 60–62	794.40			79	57.2	0.00			37	1		1										8	1		1	
84X-6, 60–62	798.80			107	67.3	14.95			6	6							2						4			
84X-CC, 31–36	799.5			1	99.0	0.00																				
85X-2, 60–62	802.50			99	68.8	2.02			1	17		1				1	1					1				
85X-4, 60–62	805.50			35	66.0	2.86				11							1		1							
85X-CC, 25–31	809			8	90.0	0.00											2					1				
86X-1, 64–66	810.54			33	77.0	6.06			2	1		1														
86X-5, 60–62	816.50			61	46.5	4.92			1	28						1							1			
86X-CC, 37–42	818.3			5	88.0	0.00																3				
87X-2, 60–62	821.60			20	86.4	5.00																6				
87X-5, 60–62	826.00			103	63.5	7.77				2	1	1					1		1			30	5			
87X-CC, 22–27	828.4			6	87.0	0.00																5				
88X-1, 60–62	829.70			30	84.7	6.67																1				
88X-6, 55–57	837.15			24	82.6	4.17																1				
89X-3, 60–62	842.30			20	75.6	10.00				1						1	1									
89X-4, 60–62	843.80			101	64.2	1.98				5				3			1		2			3				
90X-1, 60–62	848.90			8	90.3	0.00			1																	
90X-2, 60–62	849.90			10	89.5	20.00			1	1									1			3				
91X-3, 60–62	859.00			10	80.1	30.00													1			3				
91X-5, 60–62	861.00			3	95.0	0.00						1										2				
92X-2, 60–62	863.50			8	85.3	12.50													1			2		2		
92X-7, 55–57	870.80			5	82.7	0.00	1					1									1	1				
92X-CC, 33–38	871.2			1	90.0	0.00																				
93X-2, 60–62	869.60			12	85.0	8.33				1	1	1									1	1				
93X-6, 48–50	875.44			12	86.8	16.67			2				1						1		1			1		
93X-CC, 28–35	876			0	100.0	0.00																				
94X-1, 60–62	876.10			6	74.4	16.67			1													2				
94X-3, 64–66	876.97			42	71.3	4.76																8				
94X-CC, 33–39	878.1			0	100.0	0.00																				
95X-1, 64–66	878.14			14	78.7	14.29			2	3	1											1				
95X-2, 56–58	879.56			11	83.7	9.09			1	1										1	1	1				
95X-CC, 24–29	880.4	~37.4		1	100.0	0.00																1				

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Distatodinium* spp. (pars)	*Ectosphaeropsis burdigalensis*	*Edwardsiella sexispinosum* (o)	*Emmetrocysta urnaformis*	*Enneadocysta partridgei*	*Eocladopyxis* spp.	*Eurydinium* spp.	*Filisphaera* spp.	*Gelatia inflata* (o)	*Glaphyrocysta* spp.	*Habibacysta tectata* (o)	*Hemiplacophora semilunifera*	*Heteraulacacysta* spp.	*Histiocysta* spp.	*Homotryblium* spp.	*Hystrichokolpoma cinctum* (o)	*Hystrichokolpoma pusilla* (o)	*Hystrichokolpoma rigaudiae* (o)	*Hystrichokolpoma salacia* (o)	*Hystrichokolpoma* sp. cf. *Homotryblium oceancium* (o)
80X-2, 60–62	754.40			101	84.5	8.91					5													3		
80X-5, 60–62	758.90			272	50.0	3.68																		2		
80X-6, 60–62	760.50			79	62.6	12.66													1					1		
80X-CC, 34–39	762			2	75.0	0.00																				
81X-3, 60–62	765.20			49	60.7	0.00																				
81X-7, 60–62	771.00			5	95.0	0.00																				
81X-CC, 24–29	771.8			2	90.0	0.00																				
82X-1, 60–62	772.20			31	72.5	9.68							1			1								1		
82X-5, 60–62	778.10			6	95.0	0.00																				
82X-CC, 33–38	781			35	60.0	0.00																				
83X-4, 60–62	786.30			31	85.3	3.23	1									1			1	3						
83X-7, 60–62	790.20			147	25.0	2.04					5															
83X-CC, 35–41	790.9			2	99.0	0.00																				
84X-3, 60–62	794.40			79	57.2	0.00	9									1				2						
84X-6, 60–62	798.80			107	67.3	14.95	2				4							1						9		
84X-CC, 31–36	799.5			1	99.0	0.00																				
85X-2, 60–62	802.50			99	68.8	2.02					7							9						1		
85X-4, 60–62	805.50			35	66.0	2.86														2						
85X-CC, 25–31	809			8	90.0	0.00																				
86X-1, 64–66	810.54			33	77.0	6.06	8													1				1		
86X-5, 60–62	816.50			61	46.5	4.92	1									1			1		1			2		
86X-CC, 37–42	818.3			5	88.0	0.00																				
87X-2, 60–62	821.60			20	86.4	5.00	4																			
87X-5, 60–62	826.00			103	63.5	7.77				1	2													8		
87X-CC, 22–27	828.4			6	87.0	0.00																				
88X-1, 60–62	829.70			30	84.7	6.67				1			1						1							
88X-6, 55–57	837.15			24	82.6	4.17				1																
89X-3, 60–62	842.30			20	75.6	10.00				2																
89X-4, 60–62	843.80			101	64.2	1.98				3	5							2						1		
90X-1, 60–62	848.90			8	90.3	0.00	1									1										
90X-2, 60–62	849.90			10	89.5	20.00																				
91X-3, 60–62	859.00			10	80.1	30.00																				
91X-5, 60–62	861.00			3	95.0	0.00																				
92X-2, 60–62	863.50			8	85.3	12.50																				
92X-7, 55–57	870.80			5	82.7	0.00																				
92X-CC, 33–38	871.2			1	90.0	0.00																				
93X-2, 60–62	869.60			12	85.0	8.33										2										
93X-6, 48–50	875.44			12	86.8	16.67																				
93X-CC, 28–35	876			0	100.0	0.00																				
94X-1, 60–62	876.10			6	74.4	16.67																				
94X-3, 64–66	876.97			42	71.3	4.76	1			4																
94X-CC, 33–39	878.1			0	100.0	0.00																				
95X-1, 64–66	878.14			14	78.7	14.29																				
95X-2, 56–58	879.56			11	83.7	9.09				2																
95X-CC, 24–29	880.4	~37.4		1	100.0	0.00																				

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Hystrichokolpoma* sp. A (o)	*Hystrichokolpoma* spp. (pars.) (o)	*Hystrichosphaeropsis* spp.	*Hystrichostrogylon* spp.	*Impagidinium aculeatum* (o)	*Impagidinium dispertitum* (o)	*Impagidinium japonicum* (o)	*Impagidinium maculatum* (o)	*Impagidinium pallidum* (o)	*Impagidinium paradoxum* (o)	*Impagidinium patulum* (o)	*Impagidinium sphaericum* (o)	*Impagidinium striatum* (o)	*Impagidinium victorianum* (o)	*Impagidinium velorum* (o)	*Impagidinium* spp. (pars.) (o)	*Invertocysta* spp. (o)	*Labyrinthodinium truncatum*	*Lejeunecysta* spp.	*Lingulodinium machaerophorum*
80X-2, 60–62	754.40			101	84.5	8.91						1								3						
80X-5, 60–62	758.90			272	50.0	3.68						2								1	1					20
80X-6, 60–62	760.50			79	62.6	12.66		5														1				1
80X-CC, 34–39	762			2	75.0	0.00																				
81X-3, 60–62	765.20			49	60.7	0.00																				
81X-7, 60–62	771.00			5	95.0	0.00																				
81X-CC, 24–29	771.8			2	90.0	0.00																				
82X-1, 60–62	772.20			31	72.5	9.68		2																		1
82X-5, 60–62	778.10			6	95.0	0.00																				
82X-CC, 33–38	781			35	60.0	0.00																			1	
83X-4, 60–62	786.30			31	85.3	3.23		1																	1	
83X-7, 60–62	790.20			147	25.0	2.04																2				
83X-CC, 35–41	790.9			2	99.0	0.00																				
84X-3, 60–62	794.40			79	57.2	0.00																				
84X-6, 60–62	798.80			107	67.3	14.95														3		4				
84X-CC, 31–36	799.5			1	99.0	0.00																				
85X-2, 60–62	802.50			99	68.8	2.02																				
85X-4, 60–62	805.50			35	66.0	2.86		1																		
85X-CC, 25–31	809			8	90.0	0.00																				
86X-1, 64–66	810.54			33	77.0	6.06																1				
86X-5, 60–62	816.50			61	46.5	4.92																			1	
86X-CC, 37–42	818.3			5	88.0	0.00																				
87X-2, 60–62	821.60			20	86.4	5.00		1																		1
87X-5, 60–62	826.00			103	63.5	7.77																				
87X-CC, 22–27	828.4			6	87.0	0.00																				
88X-1, 60–62	829.70			30	84.7	6.67																1			1	
88X-6, 55–57	837.15			24	82.6	4.17																1				
89X-3, 60–62	842.30			20	75.6	10.00		1																		
89X-4, 60–62	843.80			101	64.2	1.98																				
90X-1, 60–62	848.90			8	90.3	0.00																				
90X-2, 60–62	849.90			10	89.5	20.00		1														1				
91X-3, 60–62	859.00			10	80.1	30.00																3				
91X-5, 60–62	861.00			3	95.0	0.00																				
92X-2, 60–62	863.50			8	85.3	12.50		1																		
92X-7, 55–57	870.80			5	82.7	0.00																				
92X-CC, 33–38	871.2			1	90.0	0.00																				
93X-2, 60–62	869.60			12	85.0	8.33																1				
93X-6, 48–50	875.44			12	86.8	16.67		1						1												
93X-CC, 28–35	876			0	100.0	0.00																				
94X-1, 60–62	876.10			6	74.4	16.67								1												
94X-3, 64–66	876.97			42	71.3	4.76		1	1													1				
94X-CC, 33–39	878.1			0	100.0	0.00																				
95X-1, 64–66	878.14			14	78.7	14.29		1						1												
95X-2, 56–58	879.56			11	83.7	9.09																1				
95X-CC, 24–29	880.4	~37.4		1	100.0	0.00																				

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Lophocysta* spp.	*Melitasphaeridium pseudorecurvatum*	*Melitasphaeridium choanophorum*	*Membranilarnacia?* sp.	*Membranilarnacia? picena*	*Mendicodinium* sp. A (Wrenn and Kokinos , 1986)	*Nematosphaeropsis* spp. (o)	*Octodinium askiniae*	*Operculodinium echigoense* sensu (McMinn, 1992)	*Operculodinium janduchenii*	*Operculodinium microtrianium*	*Operculodinium piaseckii*	*Operculodinium* spp. (pars.)	*Pentapharsodinium dalei* cysts	*Pentadinium laticinctum*	*Phthanoperidinium comatum*	*Phthanoperidinium filigranum*	*Phthanoperidinium* spp.	*Polysphaeridium* spp.	*Pyxidinopsis* spp.
80X-2, 60–62	754.40			101	84.5	8.91													9							
80X-5, 60–62	758.90			272	50.0	3.68		1											25							
80X-6, 60–62	760.50			79	62.6	12.66							1						3							
80X-CC, 34–39	762			2	75.0	0.00													1							
81X-3, 60–62	765.20			49	60.7	0.00													18							
81X-7, 60–62	771.00			5	95.0	0.00													1							
81X-CC, 24–29	771.8			2	90.0	0.00													1							
82X-1, 60–62	772.20			31	72.5	9.68													1			1				
82X-5, 60–62	778.10			6	95.0	0.00													1							
82X-CC, 33–38	781			35	60.0	0.00													15							
83X-4, 60–62	786.30			31	85.3	3.23													1					2		1
83X-7, 60–62	790.20			147	25.0	2.04													12					2		
83X-CC, 35–41	790.9			2	99.0	0.00													1							
84X-3, 60–62	794.40			79	57.2	0.00													1							
84X-6, 60–62	798.80			107	67.3	14.95		2		19									8					4		
84X-CC, 31–36	799.5			1	99.0	0.00													1							
85X-2, 60–62	802.50			99	68.8	2.02													14					3		
85X-4, 60–62	805.50			35	66.0	2.86													1					2	1	
85X-CC, 25–31	809			8	90.0	0.00													4							
86X-1, 64–66	810.54			33	77.0	6.06													3			1				1
86X-5, 60–62	816.50			61	46.5	4.92								1					1					1		1
86X-CC, 37–42	818.3			5	88.0	0.00													1							
87X-2, 60–62	821.60			20	86.4	5.00													1							
87X-5, 60–62	826.00			103	63.5	7.77													11			1		1		
87X-CC, 22–27	828.4			6	87.0	0.00													1							
88X-1, 60–62	829.70			30	84.7	6.67							1						1			1				
88X-6, 55–57	837.15			24	82.6	4.17													5			1				
89X-3, 60–62	842.30			20	75.6	10.00													3							
89X-4, 60–62	843.80			101	64.2	1.98													3					5		
90X-1, 60–62	848.90			8	90.3	0.00													1							
90X-2, 60–62	849.90			10	89.5	20.00																				
91X-3, 60–62	859.00			10	80.1	30.00																				
91X-5, 60–62	861.00			3	95.0	0.00																				
92X-2, 60–62	863.50			8	85.3	12.50																				
92X-7, 55–57	870.80			5	82.7	0.00																				
92X-CC, 33–38	871.2			1	90.0	0.00													1							
93X-2, 60–62	869.60			12	85.0	8.33																				
93X-6, 48–50	875.44			12	86.8	16.67								1												1
93X-CC, 28–35	876			0	100.0	0.00																				
94X-1, 60–62	876.10			6	74.4	16.67																				
94X-3, 64–66	876.97			42	71.3	4.76																				
94X-CC, 33–39	878.1			0	100.0	0.00																				
95X-1, 64–66	878.14			14	78.7	14.29																				2
95X-2, 56–58	879.56			11	83.7	9.09																				
95X-CC, 24–29	880.4	~37.4		1	100.0	0.00																				

Table T1(continued).

Core, section, interval (cm)	Depth (mbsf)	Age (Ma)	Skolochorate acritarchs	Number of dinocysts	% Terrestrial	% Oceanic	*Reticulatosphaera actinocoronata*	*Rhombodinium* spp.	*Samlandia chlamydophora*	*Schematophora speciosa*	*Selenopemphix brevispinosum*	*Selenopemphix nephroides*	*Selenopemphix quanta*	*Spiniferites pseudofurcatus*	*Spiniferites mirabilis*	*Spiniferites* cf. *mirabilis*	*Spiniferites* spp. (pars.)	*Stelladinium stellatum*	*Stoveracysta kakanuiensis*	*Stoveracysta ornata*	*Stoveracysta* cf. *conerae*	*Svalbardella* spp.	*Tectatodinium* spp.	*Thalassiphora pelagica*	*Trinovantedinium applanatum*	*Tuberculodinium vancampoae*	*Wetzeliella gochtii/symmetrica*
80X-2, 60–62	754.40			101	84.5	8.91	3										64										
80X-5, 60–62	758.90			272	50.0	3.68	1										120			42				1			
80X-6, 60–62	760.50			79	62.6	12.66								1	1		51			1							
80X-CC, 34–39	762			2	75.0	0.00											1										
81X-3, 60–62	765.20			49	60.7	0.00											28			1							
81X-7, 60–62	771.00			5	95.0	0.00											2										
81X-CC, 24–29	771.8			2	90.0	0.00											1										
82X-1, 60–62	772.20			31	72.5	9.68											17			1				1			
82X-5, 60–62	778.10			6	95.0	0.00											2										
82X-CC, 33–38	781			35	60.0	0.00											4										
83X-4, 60–62	786.30			31	85.3	3.23			1								11										
83X-7, 60–62	790.20			147	25.0	2.04									1		23										
83X-CC, 35–41	790.9			2	99.0	0.00											1										
84X-3, 60–62	794.40			79	57.2	0.00			1			1					13			1							
84X-6, 60–62	798.80			107	67.3	14.95	1		1						1		26										
84X-CC, 31–36	799.5			1	99.0	0.00																					
85X-2, 60–62	802.50			99	68.8	2.02			1			1					36										
85X-4, 60–62	805.50			35	66.0	2.86											15										
85X-CC, 25–31	809			8	90.0	0.00											1										
86X-1, 64–66	810.54			33	77.0	6.06											13										
86X-5, 60–62	816.50			61	46.5	4.92			1								18										
86X-CC, 37–42	818.3			5	88.0	0.00											1										
87X-2, 60–62	821.60			20	86.4	5.00				1							6										
87X-5, 60–62	826.00			103	63.5	7.77			1	1				2			34										
87X-CC, 22–27	828.4			6	87.0	0.00																					
88X-1, 60–62	829.70			30	84.7	6.67		1		2							18										
88X-6, 55–57	837.15			24	82.6	4.17				2							12										
89X-3, 60–62	842.30			20	75.6	10.00				1							10										
89X-4, 60–62	843.80			101	64.2	1.98			1	18							48										
90X-1, 60–62	848.90			8	90.3	0.00				1							3										
90X-2, 60–62	849.90			10	89.5	20.00											2										
91X-3, 60–62	859.00			10	80.1	30.00											3										
91X-5, 60–62	861.00			3	95.0	0.00																					
92X-2, 60–62	863.50			8	85.3	12.50											2										
92X-7, 55–57	870.80			5	82.7	0.00											1										
92X-CC, 33–38	871.2			1	90.0	0.00																					
93X-2, 60–62	869.60			12	85.0	8.33				1							2										
93X-6, 48–50	875.44			12	86.8	16.67											2										
93X-CC, 28–35	876			0	100.0	0.00																					
94X-1, 60–62	876.10			6	74.4	16.67											2										
94X-3, 64–66	876.97			42	71.3	4.76				1							25										
94X-CC, 33–39	878.1			0	100.0	0.00																					
95X-1, 64–66	878.14			14	78.7	14.29											3										
95X-2, 56–58	879.56			11	83.7	9.09											3										
95X-CC, 24–29	880.4	~37.4		1	100.0	0.00																					