

Table T12. Distribution of organic walled dinoflagellate cysts (dinocysts; specimen counts) and percentages of other palynomorph groups in selected samples, Hole 1170D. (Continued on next page.)

Core, section, interval (cm)	Depth (mbsf)	Preservation	Group abundance	N (palynomorphs)	Sporomorphs (%)	Foraminifer linings (%)	Acritarchs (%)	N (dinocysts)	Reworked Cretaceous	<i>Achilleodinium biformoides</i>	<i>Alterbidinium distinctum</i>	<i>Alterbidinium</i> spp. (pars.)	<i>Arachnodinium antarcticum</i>	<i>Areosphaeridium diktyoplokum</i>	<i>Batiacasphaera compta</i>	<i>Cerebrocysta bartonensis</i>	<i>Cerebrocysta?</i> sp.	<i>Cordosphaeridium fibrospinosum</i>	<i>Cordosphaeridium minimum</i>	<i>Corruclidium</i> sp. (G&F '83)	<i>Dapsilidinium pseudocolligerum</i>	<i>Deflandrea phosphoritica</i> group	<i>Elytrocysta</i> spp.	<i>Enneadocysta harrisii</i>	<i>Enneadocysta partridgei</i>	<i>Enneadocysta pectiniforme</i>	<i>Fibrocysta axialis</i>	<i>Glaphyrocysta exuberans</i>	<i>Hemiplacophora semilunifera</i>	
189-1170D-																														
1R-CC, 11-16	427.27	B																												
2R-CC, 14-21	437.50	B																												
3R-CC, 15-20	444.95	B																												
6R-CC, 21-27	472.72	G C	100	5.0	10.0	1.0	103	1		1	1	1								1		33	5		3	1				
7R-CC, 17-22	479.85	G A	195	7.7	3.1	1.0	238			7	5	1								1		47	15		6	1				
8R-CC, 0-7	488.35	G A	195	6.7	2.6	0.5	220	2		7	14									1		30	10		3					
9R-CC, 10-15	497.66	G C	156	4.5	3.2	0.6	170			1	15											12	5		4					
10R-CC, 10-15	506.41	G A	218	1.4	0.5	0.5	215				1											200	1		2					
11R-CC, 16-21	518.31	G C	90	2.2	5.6	1.1	83				3					1	1			1	1	16			32					
12R-CC, 16-22	524.59	G A	183	7.1	1.1	0.5	259	1		2	3	3	1		2	3		1		1		62	1	5	120	1	1	2	1	
13R-CC, 16-21	534.83	G A	182	2.2	1.6	0.5	225			15	1				2	1				2		51			18					
14R-CC, 0-5	548.46	G A	161	3.1	0.6	0.0	247				1	1										180			19					
15R-CC, 6-11	558.49	G A	211	1.4	0.9	0.0	212				10	1				3		1				85			21					
16R-CC, 20-25	567.29	G A	191	2.1	3.1	0.5	223					2	1			1		1				82			39					
17R-CC, 17-22	577.77	G A	180	2.8	3.9	1.1	209			1	1											82	3		102					
18R-CC, 0-4	585.10	G A	243	0.4	0.8	0.0	199			1	1											8	5		175					
19R-CC, 15-19	596.97	G A	265	1.5	0.8	0.8	263			4	2	1										60	1	4	165					
20R-CC, 12-17	606.55	G A	216	0.5	2.3	0.0	210					1										42	1	3	150					
21R-CC, 0-7	615.17	G A	232	0.9	0.9	0.9	233			4	1											160	2		30					
22R-CC, 18-23	625.92	G A	206	1.5	0.5	1.0	202			1	1											120	1		55					
23R-CC, 10-15	635.30	G A	218	3.2	0.5	0.5	211			4	2	1					1					61	1	4	120					
24R-CC, 11-16	645.02	G A	284	1.8	0.4	1.1	275			3	12											135	2		65					
25R-CC, 15-20	654.76	G A	239	0.8	0.4	0.4	249			1	2	1						1				55	6	5	150					
26R-CC, 8-13	664.32	G A	296	0.7	0.3	0.3	302				2	1			1	1						90	1	5	175					
27R-CC, 11-16	671.46	G A	211	0.5	0.5	0.5	219			1	1	1										10			5	190				
28R-CC, 9-14	681.96	G A	232	0.4	0.4	0.4	242			1	1	1										50	1	6	170					
30R-CC, 17-22	701.41	M C	159	5.0	6.3	1.3	207	1		7	2							3				100	1	1	34					
32R-CC, 18-23	722.15	M C	157	3.8	7.6	3.2	149	1			15							2				45			10					
34R-CC, 21-26	741.48	G A	254	1.6	2.0	1.2	253		1		3	1	1					2				90	3		117					
36R-CC, 19-24	760.56	G A	227	2.2	2.6	0.9	214				3	1	1					1				70	3		110					
38R-CC, 25-30	779.69	G A	233	3.4	3.4	2.6	204				5	5	1					3				95	1		62					

Notes: G&F '83 = Goodman and Ford, 1983; B&B '93 = Brinkhuis and Biffi, 1993; C&H '96 = Crouch and Hollis, 1996. Group abundance refers to abundance of dinocysts: A = abundant, C = common, B = barren. Preservation: G = good, M = moderate.

Table T12 (continued).

Core, section, interval (cm)	Depth (mbsf)	Preservation	Group abundance	Group abundance																														
				<i>Hytrichosphaeridium tubiferum</i>	<i>Hytrichostrogylon</i> spp.	<i>Impagidinium dispersitum</i>	<i>Impagidinium</i> sp. (B&B '93)	<i>Impagidinium</i> sp. a (C&H '96)	<i>Impagidinium victorianum</i>	<i>Lejeunecysta</i> spp.	<i>Octodinium askiniae</i>	<i>Operculodinium centrocarpum</i>	<i>Operculodinium</i> sp. A	<i>Operculodinium</i> sp. B	<i>Pentadinium goniferum</i>	<i>Phthanooperidinium</i> spp.	<i>Pyxidinoopsis</i> sp.	<i>Pyxidinoopsis waipawaensis</i>	<i>Samlandia chlamydothora</i>	<i>Selenopemphix nephroides</i>	<i>Spinidinium macmurdoense</i>	<i>Spiniferites membranaceus</i>	<i>Spiniferites ramosus</i>	<i>Stoveracysta kakanuiensis</i>	<i>Systematophora placacantha</i>	<i>Tectatodinium</i> spp.	<i>Thalassiphora pelagica</i>	<i>Turbiosphaera filosa</i>	<i>Vozzhernikovia</i> spp.	<i>Wetzeliella</i> spp.	<i>Wilsonidinium ornatum</i>			
1R-CC, 11-16	427.27	B																																
2R-CC, 14-21	437.50	B																																
3R-CC, 15-20	444.95	B																																
6R-CC, 21-27	472.72	G	C			3	3	1	10	3	1	2	4		1		1	1	4		4	3	1	7								5		
7R-CC, 17-22	479.85	G	A		1	3	3	1	15	4	1	4	5										2	2	2	13						40		
8R-CC, 0-7	488.35	G	A	1				2	10	7	1	9			8							3	37	1	1	1	2					72		
9R-CC, 10-15	497.66	G	C					2	6	1		6			5							3	17									91		
10R-CC, 10-15	506.41	G	A						7			1																					2	
11R-CC, 16-21	518.31	G	C						2	1		3			1										3	8						8		
12R-CC, 16-22	524.59	G	A			2			1	2	2	11	6	4					1		2	10			1							8		
13R-CC, 16-21	534.83	G	A	2	1	1	1	1	1	5	1	1	10	1	2	1			1	9	2	18			1							76		
14R-CC, 0-5	548.46	G	A		1				2			5							2	2	3			1	12							18		
15R-CC, 6-11	558.49	G	A	1		1		1	2		4	7	3	1		4	5			10	12				3							37		
16R-CC, 20-25	567.29	G	A					1	3	1	1	6	1	5	1				1	1	11				25							40		
17R-CC, 17-22	577.77	G	A	1					2			4	1	2	1				1	2	2			1		1						3		
18R-CC, 0-4	585.10	G	A				1	1					1						2		1			1		1						1		
19R-CC, 15-19	596.97	G	A	1					1	2		7								1	2	2		3		9						9		
20R-CC, 12-17	606.55	G	A	1				1				1	1							1	1			1		1						7		
21R-CC, 0-7	615.17	G	A					1		1	2	5		1						1	15			1		8						8		
22R-CC, 18-23	625.92	G	A			1	1		2	1	1	1	1							15				1		1						1		
23R-CC, 10-15	635.30	G	A	1						1	1	1	1	1						2	2			2		6						6		
24R-CC, 11-16	645.02	G	A				1		1	1	1		1				1				6			40								6		
25R-CC, 15-20	654.76	G	A				4			1	1	2	10							1				1		8						8		
26R-CC, 8-13	664.32	G	A							3	2	2	10		1	1				1				5		1						1		
27R-CC, 11-16	671.46	G	A						1	1			2						1					1		4						4		
28R-CC, 9-14	681.96	G	A						1	1	1		1						1		3			1	1	1	1					1		
30R-CC, 17-22	701.41	M	C			1	4		6	2		1	2			10			4	1	8			15		5						5		
32R-CC, 18-23	722.15	M	C						3				2						1	2	9			9		45						2		
34R-CC, 21-26	741.48	G	A					1	1		1		1	1	5				1		1			1	10							12		
36R-CC, 19-24	760.56	G	A					2	1	1	1		3	1	1						6			2		7						7		
38R-CC, 25-30	779.69	G	A						3	1	1	1	3	11	1						1			2		8						8		