

Table T13. Dinoflagellate cyst, pollen, and palynomorph range chart, Hole U1340A. (See table notes.)

Core, section	Depth (mbsf)		Preservation	Marine	Pollen and spores				Dinoflagellate cyst assemblages																		
	Top	Bottom		Dinoflagellate cysts	Organic lining of foraminifers	<i>Pediastrum</i> + <i>Botryococcus</i>	Pollen (herbs)	Pollen (shrubs)	Pollen (trees)	Spores of pteridophytes	Reworked palynomorphs	<i>Brigantidium cariacense</i>	<i>Brigantidium simplex</i>	<i>Brigantidium</i> spp.	<i>Filisphaera filifera</i>	<i>Impagidinium pallidum</i>	<i>Impagidinium aculeatum</i>	<i>Impagidinium japonicum</i>	<i>Islandinium imnutum</i>	<i>Impagidinium</i> spp.	<i>Operculodinium centrocarpum</i>	<i>Operculodinium centrocarpum</i> var. short processes	<i>Polykrikos</i> - Arctic morphotype	<i>Protopendinium americanum</i>	<i>Quinquecuspsis concreta</i>	<i>Selenopemphix nephroides</i>	<i>Spiniferites belerius</i>
323-U1340A-																											
1H-CC	3.80	3.90	M	A	C			F	R	F	R	A	D				A	D	R	R	R						
3H-CC	23.39	23.49	M	A	C				C	F	C	F	A	D				F	R	R	R						
5H-CC	42.35	42.45	M	A	C	F	F	C	F	F	F	A	D				R	R	R							R	
7H-CC	61.41	61.51	G	A	C		F		C	F	F	A	D				R	R	F								
9H-CC	80.35	80.45	M	C	A	F	R	F	R	F	F	F	D											R	R		
11H-CC	99.42	99.52	M	C	C	R	F	C	F	C	C	A	D														
13H-CC	118.53	118.63	M	A	C	F	F	C		C	F	A	D				R										
15H-CC	137.12	137.22	P	C	C	R	F	F	R	C	C	F	D				F	F	R								
17H-CC	156.48	156.58	M	A	F		F	C	C	C	C	F	D				R										
19H-CC	175.45	175.55	P	C	C			F		C	C	F	D														
21H-CC	185.61	185.71	P	C	C	F	C	F	C	C	C	F	P														
23HC-C	196.34	196.44	P	C	C		F			C	C	R	D														
25H-CC	215.60	215.70	G	C	C			F	F	F	R	A	D	F			R									R	
27H-CC	234.62	234.72	M	C	C		C	F	F	C	C	F	P	P													
29H-CC	243.98	244.08	G	C	C			F	F		F	A	A	D													
31H-CC	272.57	272.67	M	C	C					C	C	P	P														
33H-CC	291.66	291.76	M	C	F		F			C	R	F	D														
35H-CC	310.58	310.68	M	C	C			F	F	C	C	F	D				R	R									
37H-CC	327.26	327.36	M	C	F			F	F	F	C	F	D														
39H-CC	343.55	343.65	M	C	F			C		C	C	R	D	R													
41H-CC	354.63	354.73	G	A	C					F	C	A	D														
42H-CC	358.58	358.70	G	C	C		F			C	C	F	D	R			R										
43H-CC	358.70	358.77	M	C	F					F	F	R	F	D													
44X-CC	365.09	365.19	P	F	C		F	F	F	C	C	P															
47X-CC	399.41	399.51	P	C	C			C	C	C	C	P	P														
49X-CC	417.96	418.06	M	C	C		F		F	C	C	F	D	A													
51H-CC	435.51	435.61	P	F				C	F	C	C	P	P														
53X-CC	457.62	457.72	M	C	C					C	C	P	P	P													
55X-CC	476.23	476.33	G	C	C			C	F	F	R	F	D														
57X-CC	492.82	492.92	P	F	F					R	F	P															
59X-CC	515.11	515.21	M	C	C		F	F		F	C	P	P	P													
63H-CC	546.74	546.77	M	F	R		R	F		F	C	P	P				P	P									
65H-CC	557.37	557.43	P	C	C					F	C	P															
67H-CC	565.80	565.90	G	C	C		F			F	C	F	D														P
69H-CC	585.18	585.28	M	C	C				F		C	P															
71X-CC	604.51	604.61	M	C	C			F	R		C	R	D														

Notes: Absolute abundance: A = abundant (>2000/cm³), C = common (>200/cm³), F = few (>100/cm³), R = rare (<100/cm³). Relative abundance of dinoflagellate cysts: D = dominant (>30%), A = abundant (>10%), F = few (>5%), R = rare (<5%), P = occurrence (when counts are <20). Preservation: G = good, M = moderate, P = poor.

