

39. DATA REPORT: OLIGOCENE-PLEISTOCENE CALCAREOUS NANNOFOSSILS FROM LEG 145¹

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Oligocene through Pleistocene calcareous nannofossils were investigated from five sites in the North Pacific (Rea, Basov, Janecek, Palmer-Julson, et al., 1993). This report presents the data obtained from a study of approximately 1200 samples. In most sections the nannofossils were poorly to moderately well preserved and, in general, species diversity in each sample was low. The occurrence was sporadic throughout the sections, reflecting both preservational and ecological conditions during accumulation. Few calcareous nannofossil datum events were observed in this part of the study. Because of this, little biostratigraphic information could be extracted using the nannofossils (Table 1). For Paleogene calcareous nannofossil results in Leg 145 sediments, see Beaufort and Ólafsson (this volume).

The method used for preparation of the samples is based on that of Haq and Lohmann (1976) and is discussed in Rea, Basov, Janecek, Palmer-Julson, et al. (1993).

Abundance estimates of the nannofossils in the smear slides were made on optimum density areas of the slide, that is, areas covered with sample material without appreciable piling of the specimens or sample material. Four different levels of relative abundances are reported (Tables 2–16), similar to those outlined by Hay (1970):

A = abundant, 10%–50% (usually more than 10 specimens per field of view).

C = common, 1%–10% (1 to 10 specimens per field of view).

F = few, 0.1%–1% (1 specimen per 1 to 10 fields of view).

R = rare, <0.1% (only 1 specimen in more than 10 fields of view).

() = reworked.

Calcareous nannofossils often show signs of strong etching and strong overgrowth; more dissolution-resistant forms add secondary calcite provided by more dissolution-prone morphotypes. In constructing the range charts, the following simple codes were used to indicate the preservation state of the nannofossil assemblages:

G = good (little or no evidence of dissolution and/or secondary overgrowth of calcite, diagnostic characteristics fully preserved).

M = moderate (dissolution and/or secondary overgrowth partially alter primary morphological characteristics, but nearly all specimens can be identified at the species level).

P = poor (severe dissolution, fragmentation, and/or secondary overgrowth with primary features largely destroyed; many specimens cannot be identified at the species level).

In most cases where the preservation is reported as poor, the main cause is fragmentation. This applies to both placoliths and discoasterids and is the main reason why discoasterids cannot be identified at the species level.

Age estimates of Cenozoic calcareous nannofossil events have largely been derived by correlation to the geomagnetic polarity time scale of Berggren et al. (1985a, 1985b). During Leg 145, the geomagnetic polarity time scale of Cande and Kent (1992) was used, so the age estimates were all converted in accordance with this.

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Table 1. Calcareous nannofossil events observed in Leg 145 sediments.

Nannofossil event	Core, section, interval (cm)	Zone top	Age (Ma)
LO <i>P. lacunosa</i>	145-882B-3H-CC/4H-CC	NN19	0.493
LO small <i>Reticulofenestra</i>	13H-CC/14H-CC		2.750
FO <i>E. huxleyi</i>	145-883B-11H-5, 130–131/11H-CC	NN20	0.294
LO <i>P. lacunosa</i>	3H-5, 46–47/3H-6, 46–47	NN19	0.493
LO <i>C. macintyrei</i>	7H-7, 46–47/7H-CC		1.538
FO <i>G. oceanica</i>	7H-CC/8H-1, 46–47		1.674
LO <i>R. pseudoumbilica</i>	16H-2, 46–47/16H-3, 46–47	NN15	3.713
LO <i>C. floridanus</i>	59X-5, 46–47/59X-6, 46–47		11.807
LO <i>S. heteromorphus</i>	62X-6, 46–47/62X-7, 46–47	NN4	13.510
FO <i>S. heteromorphus</i>	65X-2, 46–47/65X-3, 46–47		18.176
Occurrence of <i>S. belemnos</i>	66X-2, 46–47		18.543–19.191
LO <i>D. bisectus</i>	69X-2, 46–47/69X-3, 47–48	NP25	23.808
LO <i>R. umbilica</i>	71X-1, 46–47/71X-2, 46–47	NP22	31.719
LO <i>I. recurvus</i>	71X-7, 46–47/71X-CC		32.500
LO <i>E. formosa</i>	74X-CC/75X-1, 45–46	NP21	32.702
LO <i>D. saipanensis/barbadiensis</i>	74X-CC/75X-1, 45–46	NP19/20	34.978
FO <i>I. recurvus</i>	75X-1, 45–46/75X-2, 37–38	NP18	35.076
LO <i>R. pseudoumbilica</i>	145-883C-13H-CC/14H-CC	NN15	3.713
FO <i>I. recurvus</i>	145-883E-9R-CC/10R-CC	NP18	35.076
LO <i>R. umbilica</i>	4R-CC/5R-CC	NP22	31.719
LO <i>D. bisectus</i>	145-884B-66X-CC/69X-5, 18–19	NP25	23.808
LO <i>R. pseudoumbilica</i>	145-884C-18X-CC/19X-CC	NN15	3.713
FO <i>E. huxleyi</i>	145-887A-IH-3, 110–111/IH-4, 110–111	NN20	0.294
FO <i>G. oceanica</i>	5H-2, 110–111/5H-6, 110–111		1.674

Notes: The biostratigraphic assignments are from Martini (1971) and the age assignments are explained in Rea, Basov, Janecek, Palmer-Julson, et al. (1993). FO = first occurrence, and LO = last occurrence.

Table 2. Occurrence of calcareous nannofossils in samples from Hole 881B.

Core, section	Abundance	Preservation	<i>Calcidiscus pelagicus</i>	<i>Reticulofenestra pseudoumbilica</i>	<i>Sphenolithus</i> sp.
1H-CC	B		+	+	+
2H-CC	B		+	+	+
3H-CC	B		+	+	+
4H-CC	B		+	+	+
5H-CC	B		+	+	+
6H-CC	B		+	+	+
7H-CC	B		+	+	+
8H-CC	B		+	+	+
9H-CC	B		+	+	+
10H-CC	B		+	+	+
11H-CC	R	P	R (R) (R)		
12H-CC	B		+	+	+
13H-CC	B		+	+	+
14H-CC	B		+	+	+
15H-CC	B		+	+	+
16H-CC	B		+	+	+
17H-CC	B		+	+	+
18H-CC	B		+	+	+

Note: Hole 881B is located at 47°6.136'N, 161°29.492'E, at a water depth of 5530.8 m, and was drilled from 0 to 167.0 mbsf.

Table 3. Occurrence of calcareous nannofossils in samples from Hole 881C.

Core, section, interval (cm)	Abundance	Preservation	<i>Calcidiscus macintryrei</i>	<i>Coccilithus pelagicus</i>	<i>Discoaster</i> (5-rayed)	<i>Discoaster brouweri</i>	<i>Gephyrocapsa</i> (small)	<i>Pseudoemiliania lacunosa</i>	<i>Reticulofenestra</i> (small)	<i>Sphenolithus</i> sp.	<i>Sphenolithus abies</i>	<i>Triceratolithus rugosus</i>
1H-CC	R	P	.	R	.	.	.	.	.	.	.	.
2H-CC	B	.	.	.	.	.	.	.	.	.	.	.
3H-CC	B	.	.	.	.	.	.	.	.	.	.	.
4H-CC	B	.	.	.	.	.	.	.	.	.	.	.
5H-CC	B	.	.	.	.	.	.	.	.	.	.	.
6H-CC	B	.	.	.	.	.	.	.	.	.	.	.
7H-CC	B	.	.	.	.	.	.	.	.	.	.	.
8H-CC	B	.	.	.	.	.	.	.	.	.	.	.
9H-CC	B	.	.	.	.	.	.	.	.	.	.	.
10H-CC	B	.	.	.	.	.	.	.	.	.	.	.
11H-CC	B	.	.	.	.	.	.	.	.	.	.	.
12H-CC	B	.	.	.	.	.	.	.	.	.	.	.
13H-CC	B	.	.	.	.	.	.	.	.	.	.	.
14H-CC	B	.	.	.	.	.	.	.	.	.	.	.
15H-CC	B	.	.	.	.	.	.	.	.	.	.	.
16H-CC	B	.	.	.	.	.	.	.	.	.	.	.
17H-CC	R	P	.	.	.	.	.	.	.	.	.	.
18X-CC	B	.	.	.	.	.	.	.	.	.	.	.
21H-1, 117–118	B	.	.	.	.	.	.	.	.	.	.	.
21H-2, 42–43	B	.	.	.	.	.	.	.	.	.	.	.
21H-2, 47–48	B	.	.	.	.	.	.	.	.	.	.	.
21H-3, 105–106	B	.	.	.	.	.	.	.	.	.	.	.
21H-4, 48–49	B	.	.	.	.	.	.	.	.	.	.	.
21H-5, 62–63	B	.	.	.	.	.	.	.	.	.	.	.
21H-6, 30–31	B	.	.	.	.	.	.	.	.	.	.	.
21H-CC	R	P	R	R	.	R	R	R	.	.	.	.
23X-1, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
23X-2, 46–47	R	M	.	.	.	.	.	.	R	.	.	.
23X-3, 46–47	R	P	.	.	.	.	.	.	R	.	.	.
23X-4, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
23X-CC	R	P	R	.	.	.	.	R	.	.	.	.
25X-1, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
25X-2, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
25X-3, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
25X-4, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
25X-CC	B	.	.	.	.	.	.	.	.	.	.	.
27X-1, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
27X-2, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
27X-3, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
27X-4, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
27X-5, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
27X-6, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
29X-1, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
29X-2, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
29X-3, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
30X-1, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
30X-2, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
30X-3, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
30X-4, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
30X-5, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
30X-6, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
30X-CC	R	P	.	.	.	.	.	R	.	.	.	.
32X-1, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
32X-2, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
32X-3, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
32X-CC	R	P	.	R	R	?	.	.	.	R	R	.
35X-1, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
35X-2, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
35X-3, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
35X-4, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
35X-5, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
35X-CC	R	P	R	.	.	.	.	.	.	R	.	.
36X-1, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
36X-2, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
36X-3, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
36X-4, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
36X-5, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
36X-6, 46–47	B	.	.	.	.	.	.	.	.	.	.	.
36X-CC	R	P	.	R	.	.	.	.	.	.	.	.

Note: Hole 881C is located at 47°6.199'N, 161°29.490'E, at a water depth of 5530.8 m, and was drilled from 0 to 363.8 mbsf.

Table 4. Occurrence of calcareous nannofossils in samples from Hole 881D.

Core, section	Abundance	Preservation	<i>Discoaster</i> (5-rayed)	<i>Gephyrocapsa</i> (small)	<i>Reticulofenestra</i> (small)
1H-CC	B	.	.	.	.
2H-CC	B	.	.	.	.
3H-CC	B	.	.	.	.
4H-CC	B	.	.	.	.
5H-CC	R	P	.	R	R
6H-CC	R	M	R	.	.

Note: Hole 881D is located at 47°6.136'N, 161°29.522'E, at a water depth of 5531.1 m, and was drilled from 155.0 to 212.0 mbsf.

Table 5. Occurrence of calcareous nannofossils in samples from Hole 882A.

Table 5 (continued).

Core, section, interval (cm)	<i>Gephyrocapsa</i> spp.	<i>Helicosphaera carteri</i>	Placoliths (small)	<i>Pontosphaera japonica</i>	<i>Pseudomiliana lacunosa</i>	<i>Reticulofenestra</i> (small)	<i>Reticulofenestra</i> spp.	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra minutula</i>	<i>Reticulofenestra pseudounbilical</i>	<i>Reticulofenestra umbilicalis</i>	<i>Sphenolithus</i> sp.	<i>Sphenolithus abies</i>	<i>Sphenolithus verensis</i>	<i>Umbilicosphaera sibogae foliosa</i>	<i>Zygrabdulus bijugatus</i>	
1H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2H-CC	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-CC	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6H-CC	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8H-CC	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10H-CC	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12H-CC	.	.	A	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14H-CC	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16H-CC	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18H-CC	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
19H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
20H-CC	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
21H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22H-1, 46–47	.	.	A	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22H-2, 46–47	.	.	A	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22H-3, 46–47	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22H-4, 46–47	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22H-5, 46–47	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22H-6, 46–47	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22H-7, 46–47	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22H-CC	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23H-1, 46–47	.	R	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
23H-2, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
23H-3, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
23H-4, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
23H-5, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
23H-6, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
23H-CC	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
24H-1, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
24H-2, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
24H-3, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
24H-4, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
24H-5, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
24H-6, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
24H-7, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
24H-CC	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
25H-1, 46–47	.	.	R	.	F	.	C	R	F	C	R	F	C	R	F	C	R
25H-2, 46–47	.	.	F	.	R	.	C	C	R	F	R	F	C	R	F	C	R
25H-3, 46–47	.	.	F	.	R	.	C	C	R	F	R	F	C	R	F	C	R
25H-4, 46–47	.	.	F	.	R	.	C	C	R	F	R	F	C	R	F	C	R
25H-5, 46–47	.	.	F	.	R	.	C	C	R	F	R	F	C	R	F	C	R
25H-6, 46–47	.	.	F	.	R	.	C	C	R	F	R	F	C	R	F	C	R
25H-7, 46–47	.	.	F	.	R	.	C	C	R	F	R	F	C	R	F	C	R
25H-CC	.	.	F	.	R	.	C	C	R	F	R	F	C	R	F	C	R
26H-1, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
26H-2, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
26H-3, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
26H-4, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
26H-5, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
26H-6, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
26H-7, 46–47	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
26H-CC	.	.	C	.	C	.	C	C	C	C	C	C	C	C	C	C	C
27H-1, 46–47	.	.	F	.	R	.	R	R	F	R	R	F	R	R	F	R	R
27H-2, 46–47	.	.	F	.	R	.	R	R	F	R	R	F	R	R	F	R	R
27H-3, 46–47	.	.	F	.	R	.	R	R	F	R	R	F	R	R	F	R	R
27H-4, 46–47	.	.	F	.	R	.	R	R	F	R	R	F	R	R	F	R	R
27H-5, 46–47	.	.	F	.	R	.	R	R	F	R	R	F	R	R	F	R	R
27H-6, 46–47	.	.	F	.	R	.	R	R	F	R	R	F	R	R	F	R	R
27H-7, 46–47	.	.	F	.	R	.	R	R	F	R	R	F	R	R	F	R	R
27H-CC	.	.	F	.	R	.	R	R	F	R	R	F	R	R	F	R	R
28H-1, 46–47	.	.	R	.	F	.	R	R	F	R	R	F	R	R	F	R	R
28H-2, 46–47	.	.	R	.	F	.	R	R	F	R	R	F	R	R	F	R	R
28H-3, 46–47	.	.	R	.	F	.	R	R	F	R	R	F	R	R	F	R	R
28H-4, 46–47	.	.	R	.	F	.	R	R	F	R	R	F	R	R	F	R	R
28H-5, 46–47	.	.	R	.	F	.	R	R	F	R	R	F	R	R	F	R	R
28H-6, 46–47	.	.	R	.	F	.	R	R	F	R	R	F	R	R	F	R	R
28H-7, 46–47	.	.	R	.	F	.	R	R	F	R	R	F	R	R	F	R	R
28H-CC	.	.	R	.	F	.	R	R	F	R	R	F	R	R	F	R	R
29H-1, 46–47	.	.	R	.	F	.	R	R	F	R	R	F	R	R	F	R	R

Table 5 (continued).

Core, section, interval (cm)	Abundance	Preservation	<i>Calcidiscus leptoporus</i>	<i>Calcidiscus macintyreai</i>	<i>Coccilithus pelagicus</i>	<i>Cyclicargolithus floridanus</i>	<i>Dictyococites hiscetus</i>	<i>Discoaster</i> spp.	<i>Discoaster asymmetricus</i>	<i>Discoaster</i> sp. cf. <i>intercalatus</i>	<i>Discoaster berggrenii</i>	<i>Discoaster brouweri</i>	<i>Discoaster deflandrei</i>	<i>Discoaster pentadiatus</i>	<i>Discoaster quinqueramus</i>	<i>Discoaster surculus</i>	<i>Discoaster variabilis</i>	<i>Gephyrocapsa</i> (small)	<i>Ericsonia formosa</i>
29H-2, 46-47	R	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
29H-3, 46-47	F	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
29H-4, 46-47	B	M	.	.	C	C	C	.	.	.	.	.	.	.	.	.	.	.	.
29H-5, 46-47	B	P	.	.	F	R	.	.	.	.	.	.	.	.	.	.	.	.	.
29H-6, 46-47	B	P	.	.	C	R	.	.	.	.	.	.	.	.	.	.	.	.	.
29H-7, 46-47	C	P	.	.	C	R	.	.	.	.	.	.	.	.	.	.	.	.	.
29H-CC	C	M	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30H-3, 46-47	C	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30H-4, 46-47	F	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30H-5, 46-47	F	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30H-6, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30H-7, 46-47	C	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30H-CC	R	M	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31H-1, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31H-2, 46-47	F	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31H-3, 46-47	C	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31H-4, 46-47	F	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31H-5, 46-47	F	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31H-6, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31H-7, 46-47	C	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31H-CC	R	M	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
32H-1, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
32H-2, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
32H-3, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
32H-4, 46-47	R	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
32H-5, 46-47	R	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
32H-6, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
32H-7, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
32H-CC	R	M	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
33H-1, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
33H-2, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
33H-3, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
33H-4, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
33H-5, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
33H-6, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
33H-CC	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
34H-1, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
34H-2, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
34H-3, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
34H-4, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
34H-5, 46-47	F	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
34H-6, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
34H-7, 46-47	R	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
34H-CC	C	M	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35H-1, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35H-2, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35H-3, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35H-4, 46-47	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35H-5, 46-47	F	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35H-6, 46-47	R	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35H-7, 46-47	C	M	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35H-CC	F	M	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36H-1, 46-47	F	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36H-2, 46-47	C	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36H-3, 46-47	R	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36H-4, 46-47	R	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36H-5, 46-47	C	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36H-6, 46-47	R	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36H-7, 46-47	F	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36H-CC	B	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.
37H-1, 46-47	C	P	.	.	F	.	R	.	F	.	.	.	.	.	.	.	.	.	.
37H-2, 46-47	C	P	.	.	F	.	F	.	F	.	.	.	.	.	.	.	.	.	.
37H-3, 46-47	C	P	.	.	F	.	F	.	F	.	.	.	.	.	.	.	.	.	.
37H-4, 46-47	C	P	.	.	F	.	F	.	F	.	.	.	.	.	.	.	.	.	.
37H-5, 46-47	C	P	.	.	F	.	F	.	F	.	.	.	.	.	.	.	.	.	.
37H-6, 46-47	A	M	.	.	F	.	F	.	F	.	.	.	.	.	.	.	.	.	.
37H-CC	A	G	.	.	F	.	F	.	F	.	.	.	.	.	.	.	.	.	.
38H-1, 46-47	C	P	.	.	F	.	R	.	R	.	.	.	.	.	.	.	.	.	.
38H-2, 46-47	B	P	.	.	F	.	R	.	R	.	.	.	.	.	.	.	.	.	.
38H-3, 46-47	R	P	.	.	F	.	R	.	R	.	.	.	.	.	.	.	.	.	.
38H-4, 46-47	R	P	.	.	F	.	R	.	R	.	.	.	.	.	.	.	.	.	.
38H-5, 46-47	B	M	.	.	F	.	R	.	R	.	.	.	.	.	.	.	.	.	.
38H-6, 46-47	F	M	.	.	F	.	R	.	R	.	.	.	.	.	.	.	.	.	.
38H-7, 46-47	F	M	.	.	F	.	R	.	R	.	.	.	.	.	.	.	.	.	.
38H-CC	F	M	.	.	F	.	R	.	R	.	.	.	.	.	.	.	.	.	.
39H-1, 46-47	C	M	.	.	F	.	R	.	R	.	.	.	.	.	.	.	.	.	.
39H-2, 46-47	C	C	.	.	F	.	R	.	R	.	.	.	.	.	.	.	.	.	.

Table 5 (continued).

Core, section, interval (cm)	<i>Gephyrocapsa</i> spp.	<i>Helicosphaera carteri</i>	<i>Placoliths</i> (small)	<i>Pomosphaera japonica</i>	<i>Pseudomiliina lacunosa</i>	<i>Reticulofenestra</i> spp.	<i>Reticulofenestra</i> (small)	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra minutula</i>	<i>Reticulofenestra pseudounbilica</i>	<i>Reticulofenestra umbilica</i>	<i>Sphenolithus</i> sp.	<i>Sphenolithus abies</i>	<i>Sphenolithus verensis</i>	<i>Umbilicosphaera sibogae foliosa</i>	<i>Zygrhabdulus bijugatus</i>
29H-2, 46-47	.	.	R	.	.	.	.	.	R	.	.	.	.	R	.	.
29H-3, 46-47	.	.	F	.	.	.	.	.	R	.	.	.	.	.	.	.
29H-4, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
29H-5, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
29H-6, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
29H-7, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
29H-CC	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
30H-3, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
30H-4, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
30H-5, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
30H-6, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
30H-7, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
30H-CC	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
31H-1, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
31H-2, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
31H-3, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
31H-4, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
31H-5, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
31H-6, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
31H-7, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
31H-CC	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
32H-1, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
32H-2, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
32H-3, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
32H-4, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
32H-5, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
32H-6, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
32H-7, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
32H-CC	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
33H-1, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
33H-2, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
33H-3, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
33H-4, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
33H-5, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
33H-6, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
33H-CC	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
34H-1, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
34H-2, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
34H-3, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
34H-4, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
34H-5, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
34H-6, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
34H-7, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
34H-CC	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
35H-1, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
35H-2, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
35H-3, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
35H-4, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
35H-5, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
35H-6, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
35H-7, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
35H-CC	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
36H-1, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
36H-2, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
36H-3, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
36H-4, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
36H-5, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
36H-6, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
36H-7, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
36H-CC	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
37H-1, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
37H-2, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
37H-3, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
37H-4, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
37H-5, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
37H-6, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
37H-CC	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
38H-1, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
38H-2, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
38H-3, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
38H-4, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
38H-5, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
38H-6, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
38H-7, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
38H-CC	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
39H-1, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.
39H-2, 46-47	.	.	C	.	.	.	.	.	R	.	.	.	.	.	.	.

Table 5 (continued).

Core, section, interval (cm)	Abundance	Preservation
39H-3, 46–47	R	P
39H-4, 46–47	B	P P P
39H-5, 46–47	F	P P P
39H-6, 46–47	R	R R R
39H-7, 46–47	C	R R R
39H-CC	B	R R R
40H-1, 46–47	R	R R R
40H-2, 46–47	R	R R R
40H-3, 46–47	F	R R R
40H-4, 46–47	B	R R R
40H-5, 46–47	C	R R R
40H-6, 46–47	F	R R R
40H-CC	F	R R R
41H-1, 46–47	F	R R R
41H-2, 46–47	F	R R R
41H-3, 46–47	B	R R R
41H-4, 46–47	R	R R R
41H-5, 46–47	R	R R R
41H-6, 46–47	B	R R R
41H-7, 46–47	R	R R R
41H-CC	B	R R R
42H-1, 46–47	R	R R R
42H-2, 46–47	R	R R R
42H-3, 46–47	R	R R R
42H-5, 46–47	B	R R R
42H6, 46–47	R	R R R
42H-7, 46–47	B	R R R
42H-CC	B	R R R

Note: Hole 882A is located at 50°21.797'N, 167°35.996'E, at a water depth of 3243.77 m, and was drilled from 0 to 398.3 mbsf.

Table 5 (continued).

Core, section, interval (cm)	<i>Gephyrocapsa</i> spp.	<i>Helicosphaera carteri</i>	Placoliths (small)	<i>Pontosphaera japonica</i>	<i>Pseudomiliana lacunosa</i>	<i>Reticulofenestra</i> (small)	<i>Reticulofenestra</i> spp.	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra minutula</i>	<i>Reticulofenestra pseudumbilicata</i>	<i>Sphenolithus</i> sp.	<i>Sphenolithus abies</i>	<i>Sphenolithus verensis</i>	<i>Umbilicosphaera sibogae foliosa</i>	<i>Zygbribdulus bijugatus</i>	<i>Ericsonia formosa</i>	<i>Gephyrocapsa</i> (small)
39H-3, 46–47	.	.	R	.	.	R	.	R	R	R	.	.	.	.	.	.
39H-4, 46–47	.	.	.	.	.	R	.	R	R	R	.	.	.	.	.	.
39H-5, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
39H-6, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
39H-7, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
39H-CC	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
40H-1, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
40H-2, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
40H-3, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
40H-4, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
40H-5, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
40H-6, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
40H-CC	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
41H-1, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
41H-2, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
41H-3, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
41H-4, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
41H-5, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
41H-6, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
41H-7, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
41H-CC	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
42H-1, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
42H-2, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
42H-3, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
42H-5, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
42H6, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
42H-7, 46–47	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.
42H-CC	.	.	.	.	.	F	.	F	F	F	.	.	.	.	.	.

Table 6. Occurrence of calcareous nannofossils in samples from Hole 882B.

Core, section, interval (cm)	Abundance	Preservation	<i>Brauridospheara</i> sp.	<i>Calcidiscus leptoporus</i>	<i>Calcidiscus macinnyrei</i>	<i>Coccolithus pelagicus</i>	<i>Cyclicargolithus floridanus</i>	<i>Dicyclocites</i> sp.	<i>Discoaster variabilis</i>	Small <i>Gephyrocapsa oceanica</i>	<i>Helicosphaera carteri</i>	<i>Helicosphaera sellii</i>	Small placoliths	<i>Pseudodentitina lacunosa</i>	Small <i>Reticulofenestra</i>	<i>Reticulofenestra</i> spp.	<i>Reticulofenestra</i> spp.	<i>Reticulofenestra</i> sp. cf. <i>asanoi</i>	<i>Reticulofenestra minutula</i>	<i>Reticulofenestra pseudoumbilica</i>
1H-CC	R	M	.	R	.	.	.	.	.	.	.	.	R	.	.	.	.	.	.	.
2H-CC	A	P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3H-CC	C	P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-CC	C	M	.	R	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5H-CC	C	M	.	R	.	C	.	.	.	.	.	.	R	.	.	.	.	.	.	.
6H-CC	A	M	.	.	.	R	.	.	.	.	.	.	R	.	.	.	.	.	.	.
7H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8H-CC	R	P	.	.	.	.	(R)	.	.	.	.	.	.	.	.	.	.	.	.	.
9H-CC	R	P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10H-CC	A	M	.	R	.	C	.	.	.	.	.	.	R	.	.	.	.	.	.	.
11H-CC	R	M	R	.	.	.	.	.	.	.	.	.	R	.	.	.	.	.	.	.
12H-CC	C	M	.	.	.	C	.	.	.	.	.	.	C	R	.	.	.	.	.	.
13H-CC	A	G	.	.	.	C	.	.	.	.	.	.	A	R	.	.	.	.	.	.
14H-CC	C	M	.	.	R	C	.	R	.	.	.	C	.	R	.	.	.	.	.	.
15H-CC	A	G	.	.	R	C	.	C	.	.	.	.	R	A	.	.	.	.	.	.
16H-CC	A	M	.	.	F	.	.	R	.	.	.	.	R	C	.	.	.	.	.	.
17H-CC	C	P	.	.	F	.	.	.	.	.	.	.	.	R	A	.	.	.	.	.
18H-CC	A	M	.	.	F	.	.	.	.	.	.	.	.	A	C	.	.	.	.	.
19H-CC	C	M	.	.	F	.	.	.	.	.	.	.	.	C	C	.	.	.	.	.
20H-CC	C	P	.	.	F	.	.	.	.	.	.	.	R	C	.	.	.	.	.	.
21H-CC	B	.	.	.	F	.	.	.	.	.	.	.	.	R	C	.	.	.	.	.
22H-CC	R	P	.	.	R	.	.	.	.	.	.	.	.	R	F	.	.	.	.	.
23H-CC	F	P	.	.	R	.	.	.	.	.	.	.	.	F	.	.	.	.	.	.
24H-1, 74-75	A	G	.	.	A	.	.	.	.	.	.	.	.	.	.	.	.	F	R	.
24H-CC	C	M	.	.	C	.	.	.	.	.	.	.	.	F	.	.	.	.	.	.
25H-CC	B	.	.	.	R	.	.	.	.	.	.	.	.	R	.	.	.	.	R	.
26H-CC	R	P	.	.	R	.	.	.	.	.	.	.	.	R	.	.	.	.	.	.
27H-CC	B	.	.	.	F	.	.	.	.	.	.	.	.	R	.	.	.	.	.	.
28H-CC	F	M	.	.	F	.	.	.	.	.	.	.	.	C	.	.	.	.	R	.
29H-CC	C	M	.	.	C	.	.	.	.	.	.	.	.	C	.	.	.	.	R	.

Note: Hole 882B is located at 50°21.798'N, 167°35.976'E, at a water depth of 3244.2 m, and was drilled from 0 to 270.40 mbsf.

Table 7. Occurrence of calcareous nannofossils in samples from Hole 883A.

Core, section, interval (cm)	Abundance	Preservation	<i>Coccolithus pelagicus</i>	<i>Gephyrocapsa</i> spp.
1H-1, 0-1	F	M	F	.
1H-CC	B	.	.	.
2H-CC	A	M	A	.
3H-CC	R	M	R	.
4H-CC	R	P	R	R

Note: Hole 883A is located at 51°11.898'N, 167°46.128'E, at a water depth 2396.0 m, and was drilled from 0 to 38.00 mbsf.

Table 8. Occurrence of calcareous nannofossils in samples from Hole 883B.

	Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Braunodiscus</i> sp.	<i>Calcidiscus leptoporus</i>	<i>Calcidiscus macintyreai</i>	<i>Coccilithus pelagicus</i>	<i>Cyclicargolithus abisectus</i>	<i>Cyclicargolithus floridanus</i>	<i>Dicyclococites</i> sp.	<i>Dicyclococites bisectus</i>	<i>Discoaster</i> spp.	<i>Emiliania huxleyi</i>	Small <i>Gephyrocapsa</i>	<i>Gephyrocapsa</i> spp.	<i>Gephyrocapsa caribbeana</i>	<i>Gephyrocapsa oceanica</i>	<i>Helicosphaera carteri</i>	<i>Helicosphaera sellii</i>	Small placoliths	<i>Pontosphaera</i> sp.	<i>Pseudomiliaria lacanosa</i>	Small <i>Reticulofenestra</i>	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra perplexa</i>	<i>Reticulofenestra pseudounbilica</i>	<i>Sphenolithus abies</i>
NN21	1H-1, 9-10	C	M	.	R	C	.	.	.	.	.	.	.	R	.	R	.	.	.	F	.	.	.	.	.	.	.
	1H-1, 46-47	A	M	.	.	A	.	.	.	.	.	.	.	F	.	.	.	.	.	F	.	.	.	.	.	.	.
	1H-2, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	1H-3, 46-47	B	M	.	.	F	.	.	.	.	.	.	.	R	.	R	.	.	.	.	.	.	.	.	.	.
	1H-4, 46-47	B	M	.	.	.	.	.	.	.	.	.	.	R	.	R	.	.	.	.	.	.	.	.	.	.
	1H-5, 46-47	B	M	.	.	C	.	.	.	.	.	.	.	F	R	.	R	.	A	.	.	.	.	.	.	.
	1H-5, 130-131	A	M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
NN20	1H-CC	F	M	.	.	F	.	.	.	.	.	.	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.
	2H-1, 46-47	A	M	.	R	A	.	.	.	.	.	.	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.
	2H-2, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	2H-3, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	2H-4, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	2H-5, 46-47	F	P	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	2H-6, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	2H-7, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	2H-CC	R	M	.	.	R	.	.	.	.	.	.	.	.	R	.	.	.	.	F	.	.	.	.	.	.	.
	3H-1, 46-47	C	M	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	C	.	.	.	.	.	.	.
	3H-2, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A	.	.	.	.	.	.	.
	3H-3, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	3H-4, 46-47	C	M	.	R	R	.	.	.	.	.	.	.	C	R	.	.	.	.	.	.	.	.	.	.	.	.
	3H-5, 46-47	A	M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
NN19	3H-6, 46-47	B	M	.	.	C	.	.	.	.	.	.	.	.	F	.	.	.	C	R	.	.	.	.	.	.	.
	3H-7, 46-47	B	M	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	R	A	.	.	.	.	.	.	.
	3H-CC	R	M	.	.	F	.	.	.	.	.	.	.	.	.	.	R	.	.	R	F	.	.	.	.	.	(R)
	4H-1, 46-47	A	M	.	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	R	R	.	.	.	.	.	.
	4H-2, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	C	R	R	.	.	.	.	.
	4H-3, 37-38	C	M	.	R	C	.	.	.	.	.	.	.	.	.	R	.	.	C	C	.	.	.	.	.	.
	4H-3, 46-47	C	P	.	R	C	.	.	.	.	.	.	.	.	.	R	.	.	R	F	.	.	.	.	.	.
	4H-4, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	C	C	.	.	.	.	.	.
	4H-5, 19-20	C	M	.	R	C	.	.	.	.	.	.	.	.	R	.	.	R	R	R	.	.	.	.	.	.
	4H-5, 46-47	C	M	.	.	R	.	.	.	.	.	.	.	.	.	R	.	.	R	R	R	.	.	.	.	.
	4H-6, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	R	R	R	.	.	.	.	.
	4H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	5H-1, 59-60	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	5H-2, 46-47	F	M	.	R	F	.	.	.	.	.	.	.	.	.	F	.	.	R	R	.	.	.	.	.	.	.
	5H-3, 40-41	B	.	.	.	F	.	.	.	.	.	.	.	.	.	.	R	.	.	F	.	.	.	.	.	.	.
	5H-3, 46-47	F	P	.	.	R	.	.	.	.	.	.	.	.	.	R	.	.	R	R	.	.	.	.	.	.	.
	5H-4, 46-47	R	M	.	.	R	.	.	.	.	.	.	.	.	.	R	.	.	R	R	R	.	.	.	.	.	.
	5H-5, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	R	R	R	.	.	.	.	.	.
	5H-6, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	R	R	R	.	.	.	.	.	.
	5H-6, 103-104	B	.	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	R	R	R	.	.	.	.	.	.
Unzoned	5H-CC	R	P	.	.	R	C	.	.	.	.	.	.	.	.	R	.	.	C	R	.	.	.	.	.	.	.
	6H-1, 99-100	C	P	.	.	C	.	.	.	.	.	.	.	.	.	R	.	.	R	R	.	.	.	.	.	.	.
	6H-2, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	R	F	.	.	.	.	.	.	.
	6H-3, 47-48	R	P	.	.	R	C	.	.	.	.	.	.	.	.	R	.	.	R	R	.	.	.	.	.	.	.
	6H-4, 46-47	R	M	.	.	R	C	.	.	.	.	.	.	.	.	R	.	.	R	R	.	.	.	.	.	.	.
	6H-5, 46-47	C	P	.	.	C	.	.	.	.	.	.	.	.	.	R	.	.	R	R	.	.	.	.	.	.	.
	6H-6, 46-47	R	M	.	.	R	.	.	.	.	.	.	.	.	.	R	.	.	R	R	.	.	.	.	.	.	.
	6H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	R	R	.	.	.	.	.	.	.
	7H-1, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	R	R	.	.	.	.	.	.	.
	7H-2, 46-47	A	M	.	R	A	.	.	.	.	.	.	.	.	F	.	F	R	R	C	R	.	.	.	.	.	.
	7H-2, 144-145	C	M	.	R	C	.	.	.	.	.	.	.	.	F	.	R	R	R	R	R	.	.	.	.	.	.
	7H-3, 46-47	C	M	.	.	C	.	.	.	.	.	.	.	.	F	.	R	.	R	R	R	.	.	.	.	.	.
	7H-4, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	R	.	R	.	C	.	.	.	.	.	.	.	.
	7H-5, 46-47	R	M	.	.	R	.	.	.	.	.	.	.	.	R	.	R	.	C	.	.	.	.	.	.	.	.
	7H-6, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	R	.	R	.	C	.	.	.	.	.	.	.	.
	7H-7, 46-47	C	P	.	R	F	.	.	.	.	.	.	.	.	F	.	R	.	F	R	.	.	.	.	.	.	.
	7H-CC	C	M	.	R	R	C	.	.	.	.	.	.	.	F	.	R	.	C	R	.	.	.	.	.	.	.
Unzoned	8H-1, 46-47	B
	8H-2, 46-47	B
	8H-3, 46-47	B
	8H-3, 49-50	F	M	.	.	R
	8H-4, 46-47	B
	8H-5, 46-47	B
	8H-6, 46-47	B
	8H-6, 134-135	F	P	.	R	R	F	R
	8H-7, 46-47	B	C	R
	8H-CC	B	C	R
Unzoned	9H-2, 46-47	B
	9H-3, 46-47	B
	9H-4, 46-47	A	M	.	R	R	A	.	.	.	.	.	.	.	R	.	.	.	C	R	.	.	.	.	.	.	.
	9H-5, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	R	.	.	C	R	.	.	.	.	.	.	.
	9H-5, 46-47	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	C	R	.	.	.	.	.	.	.

Table 8 (continued).

Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Brauradophphaera</i> sp.	<i>Calcidiscus leptophorus</i>	<i>Calcidiscus macintyrei</i>	<i>Coccolithus pelagicus</i>	<i>Cyclicargolithus abisectus</i>	<i>Cyclicargolithus floridanus</i>	<i>Dictyococcites</i> sp.	<i>Dictyococcites bisectus</i>	<i>Discoaster</i> spp.	<i>Emiliania huxleyi</i>	<i>Small Gephyrocapsa</i>	<i>Gephyrocapsa</i> spp.	<i>Gephyrocapsa caribbeanica</i>	<i>Gephyrocapsa oceanica</i>	<i>Helicosphaera carteri</i>	<i>Helicosphaera sellii</i>	<i>Pseudoemiliania lacunosa</i>	<i>Small placoliths</i>	<i>Pontosphaera</i> sp.	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra perplexa</i>	<i>Reticulofenestra pseudounbilicala</i>	<i>Reticulofenestra umbilicala</i>	<i>Sphenolithus abies</i>
Unzoned																											
	9H-6, 46-47	R	P	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	9H-CC	R	M	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	10H-1, 46-47	F	M	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	10H-1, 146-147	F	M	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	10H-2, 46-47	R	M	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	10H-3, 46-47	B	M	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	10H-4, 46-47	B	M	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	10H-5, 46-47	B	M	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	10H-CC	B	M	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	11H-2, 46-47	F	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	11H-3, 46-47	C	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	11H-4, 46-47	C	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	11H-5, 46-47	A	M	M	.	.	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	11H-6, 46-47	R	P	M	.	.	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	11H-7, 46-47	A	M	M	.	.	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	11H-7, 59-60	C	M	M	.	.	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	11H-CC	A	M	M	.	.	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	12H-1, 46-47	R	M	M	.	.	R	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	12H-2, 46-47	A	M	M	.	.	R	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	12H-3, 84-85	A	M	M	.	.	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	12H-3, 46-47	C	M	M	.	.	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	12H-4, 46-47	A	M	M	.	.	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	12H-5, 46-47	A	M	M	.	.	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	12H-6, 46-47	C	M	M	.	.	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	12H-CC	R	M	M	.	.	R	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	13H-1, 46-47	F	P	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	13H-2, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	13H-2, 136-137	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	13H-3, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	13H-4, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	13H-5, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	13H-6, 46-47	A	P	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	13H-CC	A	G	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	14H-1, 46-47	C	P	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	14H-2, 46-47	C	P	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	14H-3, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	14H-4, 46-47	F	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	14H-5, 46-47	C	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	14H-6, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	14H-7, 46-47	A	G	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	14H-7, 74-75	A	G	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	14H-CC	A	G	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	15H-1, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	15H-2, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	15H-3, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	15H-4, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	15H-5, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	15H-6, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	15H-7, 46-47	A	M	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	15H-CC	A	G	M	.	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
NN15	16H-3, 46-47	A	M	.	R	C	.	.	.	.	.	.	.	.	.	.	.	.	A	.	.	F	.	R	.	R	.
	16H-4, 46-47	A	G	.	R	R	C	.	.	.	.	.	.	.	.	.	.	.	A	A	.	C	.	R	.	R	.
	16H-5, 46-47	A	P	.	R	C	.	.	.	.	.	.	.	.	.	.	.	A	A	.	C	.	R	.	R	.	
	16H-5, 99-100	A	G	.	R	C	.	.	.	.	.	.	.	.	.	.	.	A	A	.	C	.	R	.	R	.	
	16H-6, 46-47	A	M	.	R	C	.	.	.	.	.	.	.	.	.	.	.	A	A	.	C	.	R	.	R	.	
	16H-7, 46-47	C	P	.	R	C	.	.	.	.	.	.	.	.	.	.	.	A	A	.	C	.	R	.	R	.	
	16H-CC	A	M	.	R	C	.	.	.	.	.	.	.	.	.	.	.	A	A	.	C	.	R	.	R	.	
	17H-1, 46-47	R	M	.	R	R	C	.	.	.	.	.	.	.	.	.	.	R	C	.	R	.	R	.	R	.	
	17H-2, 46-47	C	P	.	R	R	C	.	.	.	.	.	.	.	.	.	.	C	C	.	R	.	R	.	R	.	
	17H-3, 46-47	C	M	.	R	R	C	.	.	.	.	.	.	.	.	.	.	C	C	.	R	.	R	.	R	.	
	17H-4, 46-47	A	M	.	R	R	C	.	.	.	.	.	.	.	.	.	.	A	A	.	R	.	R	.	R	.	
	17H-4, 49-50	A	M	.	R	R	C	.	.	.	.	.	.	.	.	.	.	A	A	.	R	.	R	.	R	.	
	17H-5, 46-47	A	M	.	R	R	C	.	.	.	.	.	.	.	.	.	.	A	A	.	R	.	R	.	R	.	
	17H-6, 46-47	A	M	.	R	R	C	.	.	.	.	.	.	.	.	.	.	A	A	.	R	.	R	.	R	.	
	17H-7, 46-47	A	P	.	R	R	C	.	.	.	.	.	.	.	.	.	.	A	A	.	R	.	R	.	R	.	
	17H-CC	A	M	.	R	R	C	.	.	.	.	.	.	.	.	.	.	A	A	.	R	.	R	.	R	.	
	18H-1, 46-47	C	M	.	R	R	C	.	.	.	.	.	.	.	.	.	.	C	C	.	R	.	R	.	R	.	
	18H-2, 46-47	A	P	.	R	R	C	.	.	.	.	.	.	.	.	.	.	C	C	.	R	.	R	.	R	.	
	18H-3, 46-47	A	M	.	R	R	C	.	.	.	.	.	.	.	.	.	.	A	A	.	R	.	R	.	R	.	
	18H-4, 46-47	A	M	.	R	R	A	.	.	.	.	.	.	.	.	.	.	A	A	.	R	.	R	.	R	.	
	18H-5, 46-47	A	M	.	R	R	A	.	.	.	.	.	.	.	.	.	.	A	A	.	R	.	R	.	R	.	
	18H-6, 46-47	C	M	.	.	.	F	.	.	.	.	.	.	.	.	.	.	C	C	.	R	.	R	.	R	.	
	18H-7, 46-47	C	M	.	.	.	F	.	.	.	.	.	.	.	.	.	.	C	C	.	R	.	R	.	R	.	
	18H-CC	F	M	.	.	.	F	.	.	.	.	.	.	.	.	.	.	C	C	.	R	.	R	.	R	.	

Table 8 (continued).

Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Brauriadosphaera</i> sp.	<i>Calcidiscus leptoporus</i>	<i>Calcidiscus macintyrei</i>	<i>Coccolithus pelagicus</i>	<i>Cyclargolithus absecus</i>	<i>Cyclargolithus floridanus</i>	<i>Dictyococcites</i> sp.	<i>Dictyococcites bisectus</i>	<i>Discoaster</i> spp.	<i>Emiliania huxleyi</i>	Small <i>Gephyrocapsa</i>	<i>Gephyrocapsa</i> spp.	<i>Gephyrocapsa caribbeanica</i>	<i>Gephyrocapsa oceanica</i>	<i>Helicosphaera carteri</i>	<i>Helicosphaera sellii</i>	Small piacoliths	<i>Pantosphaera</i> sp.	<i>Pseudomilania lacunosa</i>	Small <i>Reticulofenestra</i>	<i>Reticulofenestra perplexa</i>	<i>Reticulofenestra pseudoambilica</i>	<i>Reticulofenestra umbilica</i>	<i>Sphenolithus abies</i>
Unzoned	19H-1, 46-47	C M .	R .	F	C F .	.	F .	R		
	19H-2, 46-47	F M .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A F .	?	F .	R .	.	R	.	.
	19H-3, 46-47	A M .	R .	C .	.	.	.	.	.	.	.	.	.	.	.	.	F A .	.	R F F R .	R .	.	R	.	.
	19H-4, 46-47	F M .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	F C .	.	F .	R .	.	R	.	.
	19H-5, 46-47	B .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	C A F C C .	.	?	R R F .	.	R	.	.
	19H-6, 46-47	F M .	.	.	.	C C .	C C .	.	.	.	.	.	.	.	.	.	R F C .	.	F R R R .	R .	.	R	.	.
	19H-7, 46-47	A M .	.	.	C C .	C C .	.	.	.	.	.	.	.	.	.	.	F C R .	.	F R R R .	R .	.	R	.	.
	19H-CC	C M .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	20H-1, 46-47	C M .	.	.	R F .	.	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	20H-2, 46-47	B .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	20H-3, 46-47	C M .	.	.	R F .	C C .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	20H-4, 46-47	A M .	.	R .	C C .	.	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	20H-5, 46-47	F M .	.	.	R F .	C C .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	20H-6, 46-47	C M .	.	R .	C C .	.	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	20H-7, 46-47	C M .	.	R .	C C .	.	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	20H-CC	C M .	.	R .	C C .	.	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	21H-1, 46-47	R P .	.	.	R .	.	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	21H-2, 46-47	F M .	.	.	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	21H-3, 46-47	A M .	.	R .	R .	A .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	21H-4, 46-47	F P .	.	R .	R .	F C .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	21H-5, 46-47	C M .	.	R .	R .	C C .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	21H-6, 46-47	A G .	.	R .	R .	R A .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	21H-7, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	21H-CC	C M .	.	R .	R .	C C .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	22H-1, 46-47	C M .	.	R .	R .	C C .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	22H-2, 46-47	C M .	.	R .	R .	C C .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	22H-3, 46-47	C M .	.	R .	R .	C C .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	22H-4, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	22H-5, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	22H-6, 46-47	B .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	22H-7, 46-47	F P .	.	R .	R .	F .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	22H-CC	B .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	23H-1, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	23H-2, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	23H-3, 46-47	B .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	23H-4, 46-47	A M .	.	R .	R .	C C .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	23H-5, 46-47	R P .	.	R .	R .	F C .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	23H-6, 46-47	F P .	.	R .	R .	C C .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	23H-7, 46-47	C P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	23H-CC	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	24H-CC	B .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	25H-1, 46-47	C M .	.	R .	R .	F F .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	25H-2, 46-47	F P .	.	R .	R .	F F .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	25H-3, 46-47	R M .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	25H-4, 46-47	C P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	25H-5, 46-47	F P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	25H-6, 46-47	F P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	25H-7, 46-47	F P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	25H-CC	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	26H-1, 46-47	C P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	26H-2, 46-47	F P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	26H-3, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	26H-4, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	26H-5, 46-47	F P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	26H-6, 46-47	B .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	26H-CC	C P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	27H-1, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	27H-2, 46-47	C P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	27H-5, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	27H-6, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	27H-CC	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	28H-1, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	28H-2, 46-47	F P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	28H-3, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	28H-4, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	28H-5, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	28H-6, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	28H-7, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	28H-CC	B .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	29H-1, 46-47	B P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	29H-2, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	29H-3, 46-47	B .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	29H-4, 46-47	B .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	29H-5, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R	.	.
	29H-6, 46-47	R P .	.	R .	R .	R .	.	.	.	.	.	.	.	.	.	.	F C R F .	.	F R R R .	R .	.	R</		

Table 8 (continued).

Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Bryarudospaera</i> sp.	<i>Calcidiscus leptopus</i>	<i>Calcidiscus macintyrei</i>	<i>Coccolithus pelagicus</i>	<i>Cyclargolithus abisetus</i>	<i>Cyclargolithus floridanus</i>	<i>Dicyococtites</i> sp.	<i>Dicyococtites bisectus</i>	<i>Discaster</i> sp.	<i>Emiliania huxleyi</i>	<i>Gephyrocapsa</i> spp.	<i>Gephyrocapsa caribbeana</i>	<i>Gephyrocapsa oceanica</i>	<i>Helicosphaera carteri</i>	<i>Helicosphaera sellii</i>	<i>Pontosphaera</i> sp.	<i>Pseudomiliinia lacunosa</i>	<i>Reticulofenestra</i>	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra perplexa</i>	<i>Reticulofenestra pseudounbilicalis</i>	<i>Sphenolithus umbilica</i>	<i>Sphenolithus abies</i>
Unzoned	30H-2, 46-47	B	P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	30H-3, 46-47	B	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	30H-4, 46-47	B	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	30H-5, 46-47	B	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	30H-6, 46-47	B	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	30H-7, 46-47	B	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	30H-CC	B	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	31H-1, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	31H-2, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	31H-3, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	31H-4, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	31H-5, 46-47	F	P	.	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	31H-6, 46-47	F	P	.	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	31H-CC	F	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	32X-1, 46-47	F	P	.	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	32X-2, 46-47	F	P	.	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	32X-3, 46-47	F	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	32X-4, 46-47	F	P	.	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	32X-5, 46-47	B	P	.	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	32X-6, 46-47	F	P	.	.	.	.	C	(C)	(C)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	32X-CC	C	G	.	.	.	.	R	R	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	33X-1, 46-47	C	G	.	.	.	.	R	R	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	33X-2, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	33X-3, 46-47	A	P	.	.	.	.	C	R	A	(R)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	33X-CC	A	P	.	.	.	.	R	R	A	(R)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	34X-1, 46-47	B	R	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	34X-2, 46-47	F	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	34X-3, 46-47	C	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	34X-4, 46-47	C	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	34X-5, 46-47	C	P	.	.	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	34X-CC	B	P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	35X-1, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	35X-2, 46-47	F	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	35X-3, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	35X-4, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	35X-5, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	35X-CC	C	P	.	.	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	36X-1, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	36X-CC	C	P	.	.	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	37X-1, 46-47	B	P	.	.	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	37X-2, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	37X-3, 46-47	B	.	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	37X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	38X-1, 46-47	B	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	38X-2, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	38X-3, 46-47	B	.	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	38X-4, 46-47	B	.	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	38X-5, 46-47	B	.	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	38X-6, 46-47	B	.	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	38X-CC	B	.	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	39X-1, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	39X-2, 46-47	R	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	39X-3, 46-47	F	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	39X-4, 46-47	C	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	39X-5, 46-47	C	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	39X-6, 46-47	C	P	.	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
	39X-CC	A	M	.	.	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Note: Hole 883B is located at 51°11.908'N, 167°46.128'E, at a water depth of 2384.0 m, and was drilled from 0 to 695.41 mbsf. Small *Reticulofenestra* = unidentified reticulofenestrids <5 µm.

Table 9. Occurrence of calcareous nannofossils in samples from Hole 883B, Cores 145-883B-40X through 75X.

Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Calcidiscus leptoporus</i>	<i>Calcidiscus macintyrei</i>	<i>Chiasmolithus</i> spp.	<i>Coccolithus eopalagicus</i>	<i>Coccolithus miopeLAGicus</i>	<i>Coccolithus</i> sp. cf. <i>pelagicus</i>	<i>Coccolithus pelagicus</i>	<i>Coronocyclus nitescens</i>	<i>Cyclicargolithus obisectus</i>	<i>Cyclicargolithus floridanus</i>	<i>Dicyococcites</i> sp.	<i>Dicyococcites antarctica</i>	<i>Dicyococcites bisectus</i>	<i>Dicyococcites scriptcae</i>	<i>Dicyoc. sp.</i> 7 µm (<i>R. perplexa</i>)
Unzoned	40X-1, 46-47	C	P	.	.	.	.	.	F	.	.	.	.	.	.	.	.
	40X-2, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	40X-3, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	40X-4, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	40X-5, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	40X-6, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	40X-7, 46-47	R	C	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	40X-CC			.	.	.	.	.	R	.	.	.	.	.	.	.	.
	41X-1, 46-47	G	C	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	41X-2, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	41X-3, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	41X-4, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	41X-5, 46-47	F	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	41X-6, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	41X-CC	C	C	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	42X-1, 49-50	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	42X-2, 49-50	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	42X-3, 49-50	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	42X-4, 49-50	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	42X-5, 49-50	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	42X-6, 49-50	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	42X-CC	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	43X-1, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	42X-2, 46-47	F	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	43X-3, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	43X-4, 46-47	F	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	43X-5, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	43X-6, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	43X-7, 46-47	R	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	43X-CC	C	G	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	44X-1, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	44X-2, 46-47	R	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	44X-3, 46-47	F	M	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	44X-4, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	44X-5, 46-47	C	M	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	44X-6, 46-47	B	M	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	44X-CC	R	M	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	45X-1, 46-47	B	M	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	45X-2, 46-47	R	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	45X-3, 46-47	F	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	45X-4, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	45X-5, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	45X-6, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	45X-7, 46-47	G	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	45X-CC	C	M	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	46X-CC	C	M	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	47X-CC	G	M	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	48X-2, 47-48	B	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	48X-3, 47-48	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	48X-4, 47-48	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	48X-5, 47-48	R	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	48X-6, 47-48	F	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	48X-7, 47-48	R	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	48X-CC	B	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	49X-1, 46-47	F	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	49X-3, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	49X-4, 46-47	R	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	49X-5, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	49X-6, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	49X-7, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	49X-CC	C	M	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	50X-1, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	50X-2, 46-47	R	C	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	50X-3, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	50X-4, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	50X-5, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	50X-6, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	50X-CC	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	51X-1, 46-47	A	M	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	51X-2, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	51X-3, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	51X-4, 46-47	A	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	51X-5, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	51X-6, 46-47	C	P	.	.	.	.	.	R	.	.	.	.	.	.	.	.
	51X-CC	A	G	.	.	.	.	.	R	.	.	.	.	.	.	.	.

Table 9 (continued).

Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Discoaster</i> sp. (5-rayed)	<i>Discoaster adamanteus</i>	<i>Discoaster bifax</i>	<i>Discoaster bollii</i>	<i>Discoaster brouweri</i>	<i>Discoaster calculus</i>	<i>Discoaster deflandrei</i>	<i>Discoaster drugii</i>	<i>Discoaster exilis</i>	<i>Discoaster</i> sp. cf. <i>intercalaris</i>	<i>Discoaster perplexus</i>	<i>Discoaster quinqueramus</i>	<i>Discoaster</i>	<i>Discoaster surculus</i>
Unzoned	40X-1, 46-47	C	P														
	40X-2, 46-47	A	P														
	40X-3, 46-47	A	P														
	40X-4, 46-47	A	P														
	40X-5, 46-47	A	P														
	40X-6, 46-47	A	P														
	40X-7, 46-47	R	P														
	40X-CC	C	P														
	41X-1, 46-47	C	P					R									
	41X-2, 46-47	C	P														
	41X-3, 46-47	A	P														
	41X-4, 46-47	A	P														
	41X-5, 46-47	F	P														
	41X-6, 46-47	A	P					R									
	41X-CC	C	P														
	42X-1, 49-50	C	P														
	42X-2, 49-50	C	P														
	42X-3, 49-50	A	P														
	42X-4, 49-50	A	P														
	42X-5, 49-50	A	P														
	42X-6, 49-50	C	P														
	42X-CC	C	P														
	43X-1, 46-47	C	P														
	42X-2, 46-47	C	P														
	43X-3, 46-47	C	P														
	43X-4, 46-47	F	P														
	43X-5, 46-47	C	P														
	43X-6, 46-47	A	P														
	43X-7, 46-47	R	M														
	43X-CC	C	G														
	44X-1, 46-47	C	P														
	44X-2, 46-47	R	M														
	44X-3, 46-47	R	M														
	44X-4, 46-47	C	P														
	44X-5, 46-47	R	M														
	44X-6, 46-47	B															
	44X-CC	R	M														
	45X-1, 46-47	B															
	45X-2, 46-47	R	P														
	45X-3, 46-47	F	P														
	45X-4, 46-47	C	P														
	45X-5, 46-47	A	P														
	45X-6, 46-47	C	P														
	45X-7, 46-47	C	P														
	45X-CC	C	M														
	46X-CC	C	M														
	47X-CC	C	M														
	48X-2, 47-48	B															
	48X-3, 47-48	C	P					R									
	48X-4, 47-48	C	P					R									
	48X-5, 47-48	R															
	48X-6, 47-48	F	P														
	48X-7, 47-48	R	P														
	48X-CC	B															
	49X-1, 46-47	F	P														
	49X-3, 46-47	C	P					R									
	49X-4, 46-47	R	P					R									
	49X-5, 46-47	C	P					R									
	49X-6, 46-47	C	P					R									
	49X-7, 46-47	A	P					R									
	49X-CC	C	M					R									
	50X-1, 46-47	A	P					R									
	50X-2, 46-47	C	P					R									
	50X-3, 46-47	A	P					R									
	50X-4, 46-47	C	P					R									
	50X-5, 46-47	A	P					R									
	50X-6, 46-47	C	P					R									
	50X-CC	C	P					R									
	51X-1, 46-47	A	M					F									
	51X-2, 46-47	C	P														
	51X-3, 46-47	A	P														
	51X-4, 46-47	A	P														
	51X-5, 46-47	C	P														
	51X-6, 46-47	C	P														
	51X-CC	A	G														

Table 9 (continued).

Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Discoaster variabilis</i>	<i>Ericsonia formosa</i>	<i>Ericsonia subdiscicollis/obruna</i>	<i>Helicosphaera carteri</i>	<i>Helicosphaera scissura</i>	<i>Isthmolithus recurvus triplus</i>	<i>Markalitus inversus</i>	<i>Pontosphaera</i> sp.	<i>Pyrocyclus</i> sp.	<i>Pyrocyclus inversus</i>	<i>Pyrocyclus orangensis</i>	<i>Reticulofenestra</i> sp.	<i>Reticulofenestra daviesi</i>	<i>Reticulofenestra dicyclopa</i>	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra hamptensis</i>
Unzoned	40X-1, 46-47	C	P	R	.	.	.	.	.	C	.	.	.	.	.	.	R	R	R
	40X-2, 46-47	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	F	F	F
	40X-3, 46-47	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	40X-4, 46-47	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	40X-5, 46-47	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	40X-6, 46-47	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	40X-7, 46-47	R	C	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	40X-CC	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	41X-1, 46-47	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	41X-2, 46-47	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	41X-3, 46-47	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	41X-4, 46-47	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	41X-5, 46-47	F	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	41X-6, 46-47	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	41X-CC	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	42X-1, 49-50	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	42X-2, 49-50	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	42X-3, 49-50	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	42X-4, 49-50	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	42X-5, 49-50	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	42X-6, 49-50	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	42X-CC	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	43X-1, 46-47	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	42X-2, 46-47	F	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	43X-3, 46-47	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	43X-4, 46-47	F	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	43X-5, 46-47	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	43X-6, 46-47	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	43X-7, 46-47	R	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	43X-CC	C	G	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	44X-1, 46-47	C	C	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	44X-2, 46-47	R	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	44X-3, 46-47	F	M	M	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	44X-4, 46-47	C	M	M	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	44X-5, 46-47	R	M	M	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	44X-6, 46-47	B	M	M	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	44X-CC	R	M	M	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	45X-1, 46-47	B	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	45X-2, 46-47	R	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	45X-3, 46-47	F	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	45X-4, 46-47	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	45X-5, 46-47	A	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	45X-6, 46-47	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	45X-7, 46-47	C	P	R	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	45X-CC	C	M	M	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	46X-CC	C	M	M	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	47X-CC	C	M	M	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	48X-2, 47-48	B	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	48X-3, 47-48	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	48X-4, 47-48	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	48X-5, 47-48	R	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	48X-6, 47-48	F	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	48X-7, 47-48	R	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	48X-CC	B	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	49X-1, 46-47	F	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	49X-3, 46-47	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	49X-4, 46-47	R	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	49X-5, 46-47	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	49X-6, 46-47	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	49X-7, 46-47	A	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	49X-CC	C	M	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	50X-1, 46-47	A	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	50X-2, 46-47	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	50X-3, 46-47	A	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	50X-4, 46-47	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	50X-5, 46-47	A	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	50X-6, 46-47	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	50X-CC	C	M	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	51X-1, 46-47	A	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	51X-2, 46-47	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	51X-3, 46-47	A	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	51X-4, 46-47	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	51X-5, 46-47	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	51X-6, 46-47	C	P	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R
	51X-CC	A	G	P	.	.	.	.	.	A	.	.	.	.	.	.	R	R	R

Table 9 (continued).

Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Reticulofenestra hillae</i>	<i>Reticulofenestra minutula</i>	<i>Reticulofenestra oamaurensis</i>	<i>Reticulofenestra perplexa</i>	<i>Reticulofenestra pseudounbilica</i>	<i>Reticulofenestra reticulata</i>	<i>Reticulofenestra umbilica</i> <14 µm	<i>Reticulofenestra umbilica</i> >14 µm	<i>Sphenolithus abies</i>	<i>Sphenolithus belemnoides</i>	<i>Sphenolithus sp. cf. conicus</i>	<i>Sphenolithus dissimilis</i>	<i>Sphenolithus heteromorphus</i>	<i>Sphenolithus moriformis</i>	<i>Triquerorhabdulus milowii</i>	<i>Triquerorhabdulus rugosus</i>	<i>Zyghrabdulus bijugatus</i>
Unzoned	40X-1, 46-47	C	P	.	.	.	.	F	R	.	.	.	.	.	.	.	.	.	.
	40X-2, 46-47	A	PP	.	.	.	.	FF	CC	F	.	.	.	.	.	.	.	.	.
	40X-3, 46-47	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	40X-4, 46-47	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	40X-5, 46-47	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	40X-6, 46-47	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	40X-7, 46-47	R	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	40X-CC	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	41X-1, 46-47	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	41X-2, 46-47	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	41X-3, 46-47	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	41X-4, 46-47	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	41X-5, 46-47	F	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	41X-6, 46-47	41X-CC	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	42X-1, 49-50	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	42X-2, 49-50	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	42X-3, 49-50	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	42X-4, 49-50	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	42X-5, 49-50	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	42X-6, 49-50	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	42X-CC	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	43X-1, 46-47	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	43X-2, 46-47	F	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	43X-3, 46-47	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	43X-4, 46-47	F	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	43X-5, 46-47	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	43X-6, 46-47	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	43X-7, 46-47	R	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	43X-CC	C	PG	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	44X-1, 46-47	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	44X-2, 46-47	R	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	44X-3, 46-47	F	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	44X-4, 46-47	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	44X-5, 46-47	R	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	44X-6, 46-47	B	M	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	44X-CC	R	M	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	45X-1, 46-47	B	M	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	45X-2, 46-47	R	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	45X-3, 46-47	F	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	45X-4, 46-47	C	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	45X-5, 46-47	A	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	45X-6, 46-47	C	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	45X-7, 46-47	C	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	45X-CC	C	M	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	46X-CC	C	M	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	47X-CC	C	M	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	48X-2, 47-48	B	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	48X-3, 47-48	C	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	48X-4, 47-48	R	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	48X-5, 47-48	R	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	48X-6, 47-48	F	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	48X-7, 47-48	R	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	48X-CC	B	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	49X-1, 46-47	F	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	49X-3, 46-47	C	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	49X-4, 46-47	R	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	49X-5, 46-47	C	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	49X-6, 46-47	C	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	49X-7, 46-47	A	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	49X-CC	C	M	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	50X-1, 46-47	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	50X-2, 46-47	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	50X-3, 46-47	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	50X-4, 46-47	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	50X-5, 46-47	A	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	50X-6, 46-47	C	PP	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	50X-CC	C	M	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	51X-1, 46-47	A	M	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	51X-2, 46-47	C	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	51X-3, 46-47	A	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	51X-4, 46-47	A	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	51X-5, 46-47	C	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	51X-6, 46-47	C	P	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.
	51X-CC	A	G	.	.	.	.	FF	FF	F	.	.	.	.	.	.	.	.	.

Table 9 (continued).

Table 9 (continued).

Table 9 (continued).

Table 9 (continued).

Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Reticulofenestra hillae</i>	<i>Reticulofenestra minuula</i>	<i>Reticulofenestra oamaurensis</i>	<i>Reticulofenestra perplexa</i>	<i>Reticulofenestra pseudounbilica</i>	<i>Reticulofenestra reticulata</i>	<i>Reticulofenestra umbilicata <14 µm</i>	<i>Reticulofenestra umbilicata >14 µm</i>	<i>Spenolithus abies</i>	<i>Spenolithus belemnos</i>	<i>Sphenolithus sp. cf. conicus</i>	<i>Sphenolithus dissimilis</i>	<i>Sphenolithus heteromorphus</i>	<i>Sphenolithus moriformis</i>	<i>Triquerorhabdulus milowii</i>	<i>Triquerorhabdulus rugosus</i>	<i>Zygrhabdulus bijugatus</i>
Unzoned																				
	53X-1, 46-47	C	P																	
	53X-2, 46-47	C	P																	
	53X-3, 46-47	C	P																	
	53X-4, 46-47	C	P																	
	53X-5, 46-47	C	P																	
	53X-6, 46-47	A	P																	
	53X-7, 46-47	R																		
	53X-CC																			
	54X-1, 46-47	C	G																	
	54X-2, 46-47	C	P																	
	54X-3, 46-47	C	P																	
	54X-4, 46-47	C	P																	
	54X-5, 46-47	C	P																	
	54X-6, 46-47	C	P																	
	54X-7, 46-47	C	P																	
	54X-CC																			
	55X-1, 46-47	C	M																	
	55X-2, 46-47	C	M																	
	55X-3, 46-47	A	M																	
	55X-4, 46-47	A	M																	
	55X-5, 46-47	A	M																	
	55X-6, 46-47	A	M																	
	55X-7, 46-47	C	P																	
	55X-CC	B	P																	
	57X-1, 46-47	C	P																	
	57X-2, 46-47	C	P																	
	57X-3, 46-47	B	P																	
	57X-4, 46-47	R																		
	57X-5, 46-47	B	P																	
NN6 - - - - -																				
	57X-6, 46-47	B	P																	
	57X-7, 46-47	B	P																	
	57X-CC	B	P																	
	58X-1, 48-49	C	M																	
	58X-CC	A	M																	
	59X-1, 46-47	A	M																	
	59X-2, 46-47	A	M																	
	59X-3, 46-47	A	M																	
	59X-4, 46-47	A	M																	
	59X-5, 46-47	C	M																	
	59X-6, 46-47	C	M																	
	59X-7, 46-47	C	M																	
	59X-CC	A	M																	
	60X-1, 46-47	F	P																	
	60X-2, 46-47	A	P																	
	60X-3, 46-47	C	P																	
	60X-4, 46-47	C	P																	
	60X-5, 46-47	B	P																	
	60X-6, 46-47	F	P																	
	60X-7, 46-47	R	P																	
	60X-CC	R	P																	
	61X-1, 46-47	B	P																	
	61X-2, 46-47	B	P																	
	61X-3, 46-47	R	P																	
	61X-4, 46-47	B	P																	
	61X-5, 46-47	B	P																	
	61X-6, 46-47	F	P																	
	61X-7, 46-47	R	P																	
	61X-CC	C	M																	
	62X-1, 46-47	B	P																	
	62X-2, 46-47	R	P																	
	62X-3, 46-47	R	P																	
	62X-4, 46-47	B	P																	
	62X-5, 46-47	C	P																	
NN5	62X-7, 46-47	C	P																	
	62X-CC	C	M																	
	63X-1, 46-47	A	G																	
	63X-2, 46-47	C	G																	
	63X-3, 46-47	C	G																	
	63X-4, 46-47	A	G																	
	63X-5, 46-47	A	G																	
	63X-6, 46-47	A	G																	
	63X-7, 46-47	A	G																	
	63X-CC	A	M																	
	64X-CC	A	M																	
	65X-1, 46-47	C	P																	
	65X-2, 46-47	C	M																	

Table 9 (continued).

	NN5	Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Calcidiscus leptoporus</i>	<i>Calcidiscus macintyreai</i>	<i>Chiasmolithus</i> spp.	<i>Coccolithus eopalaeicus</i>	<i>Coccolithus miopelagicus</i>	<i>Coronacyclus nitescens</i>	<i>Coccolithus</i> sp. cf. <i>pelagicus</i>	<i>Coccolithus pelagicus</i>	<i>Cyclargolithus abiseetus</i>	<i>Cyclargolithus floridanus</i>	<i>Dicyococtes</i> sp.	<i>Dicyococtes antarctica</i>	<i>Dicyococtes bisectus</i>	<i>Dicyococtes scriptae</i>	<i>Dicyococtes</i> sp. 7 µm (<i>R. perplexa</i>)
	NP23	- - - - -	NP25	NN1 -					(C)	C										
	NP22	- - - - -																		
	NP18-21	- - - - -																		
			63X-3, 46-47	A	M	-	R													
			65X-2, 46-47	A	M	-	R	R												
			65X-4, 46-47	A	M	-	R	R												
			65X-5, 46-47	A	M	-	R	R												
			65X-CC	A	P	-														
			66X-1, 46-47	A	M	-														
			66X-2, 46-47	A	M	-														
			66X-3, 46-47	A	M	-														
			66X-4, 46-47	A	M	-														
			66X-5, 46-47	A	M	-														
			66X-6, 46-47	A	M	-														
			66X-7, 46-47	C	M	-														
			66X-CC	A	P	-														
			67X-1, 47-48	C	P	-														
			67X-2, 46-47	C	P	-														
			67X-3, 46-47	A	M	-														
			67X-4, 46-47	A	M	-														
			67X-5, 46-47	A	M	-														
			67X-6, 46-47	A	M	-														
			67X-7, 46-47	A	M	-														
			67X-CC	A	M	-														
			68X-2, 46-47	F	P	-														
			68X-3, 47-48	A	P	-														
			68X-4, 45-46	A	M	-														
			68X-5, 51-52	B	M	-														
			68X-CC	A	P	-														
			69X-1, 46-47	A	R	-														
			69X-2, 46-47	A	M	-														
			70X-3, 47-48	A	M	-														
			70X-4, 46-47	A	M	-														
			70X-5, 46-47	A	M	-														
			70X-6, 46-47	A	M	-														
			70X-CC	A	M	-														
			71X-1, 46-47	A	M	-														
			71X-2, 46-47	A	M	-														
			71X-4, 46-47	A	M	-														
			71X-5, 46-47	A	M	-														
			71X-6, 46-47	A	M	-														
			71X-7, 46-47	C	P	-														
			71X-CC	A	M	-														
			72X-1, 46-47	A	M	-														
			72X-2, 46-47	A	M	-														
			72X-3, 46-47	C	M	-														
			72X-4, 46-47	A	P	-														
			72X-5, 46-47	A	M	-														
			72X-6, 46-47	A	M	-														
			72X-7, 46-47	A	M	-														
			72X-CC	A	M	-														
			73X-1, 46-47	A	M	-														
			73X-2, 46-47	A	G	-														
			73X-3, 46-47	A	M	-														
			73X-4, 46-47	C	P	-														
			73X-5, 46-47	A	M	-														
			73X-6, 46-47	A	M	-														
			73X-7, 46-47	A	M	-														
			73X-CC	A	M	-														
			74X-1, 46-47	A	M	-														
			74X-2, 46-47	A	M	-														
			74X-CC	A	M	-														
			75X-1, 45-46	X	X	-														
			75X-2, 37-38	X	X	-														
			75X-3, 45-46	A	M	-														
			75X-4, 36-37	A	M	-														
			75X-5, 45-46	A	M	-														
			75X-CC	A	M	-														

Table 9 (continued).

	Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Discoaster</i> spp.	<i>Discoaster</i> sp. (5-rayed)	<i>Discoaster adamanteus</i>	<i>Discoaster bifax</i>	<i>Discoaster bolivi</i>	<i>Discoaster brouweri</i>	<i>Discoaster calculosus</i>	<i>Discoaster deflandrei</i>	<i>Discoaster druggii</i>	<i>Discoaster exilis</i>	<i>Discoaster</i> sp. cf. <i>intercalaris</i>	<i>Discoaster perplexus</i>	<i>Discoaster quinquevamus</i>	<i>Discoaster</i>	<i>Discoaster surculus</i>
		65X-3, 46-47	A M																
		65X-4, 46-47	A M																
		65X-5, 46-47	A M																
		65X-CC	A P																
		66X-1, 46-47	A M							R									
		66X-2, 46-47	A M							R									
		66X-3, 46-47	A M							R									
		66X-4, 46-47	A M							R									
		66X-5, 46-47	A M							R									
		66X-6, 46-47	A M							R									
		66X-7, 46-47	C M							R									
		66X-CC	A P							R									
		67X-1, 47-48	C P							R									
		67X-2, 46-47	C P							R									
		67X-3, 46-47	A M							R									
		67X-4, 46-47	A M							R									
		67X-5, 46-47	A M							R									
		67X-6, 46-47	A M							R									
		67X-7, 46-47	A M							R									
		67X-CC	A M							R									
		68X-2, 46-47	F P							R									
		68X-3, 47-48	A P							R									
		68X-4, 45-46	A M							R									
		68X-5, 51-52	B							R									
		68X-CC	A M							R									
		69X-1, 46-47	A P							R									
		69X-2, 46-47	R M							R									
NN1	NP23- - - - NP25																		
		69X-3, 47-48	A M							R									
		69X-4, 46-47	A M							R									
		69X-5, 46-47	A M							R									
		69X-6, 46-47	A M							R									
		69X-CC	A G							R									
		70X-1, 46-47	C G							R									
		70X-2, 46-47	A M							R									
		70X-3, 46-47	A M							R									
		70X4, 46-47	A M							R									
		70X-5, 46-47	A M							R									
		70X-6, 46-47	A M							R									
		70X-CC	A M							R									
		71X-1, 46-47	A M							R									
NP22		71X-2, 46-47	A M							R									
		71X-4, 46-47	A M							R									
		71X-5, 46-47	A M							R									
		71X-6, 46-47	A M							R									
		71X-7, 46-47	C P							R									
		71X-CC	A M							R									
		72X-1, 46-47	A M							R									
		72X-2, 46-47	A M							R									
		72X-3, 46-47	C M							R									
		72X-4, 46-47	A P							R									
		72X-5, 46-47	A M							R									
		72X-6, 46-47	A M							R									
		72X-7, 46-47	A M							R									
		72X-CC	A M							R									
		73X-1, 46-47	A M							R									
		73X-2, 46-47	A G							R									
		73X-3, 46-47	A M							R									
		73X-4, 46-47	C P							R									
		73X-5, 46-47	A M							R									
		73X-6, 46-47	A M							R									
		73X-7, 46-47	A M							R									
		73X-CC	A M							R									
		74X-1, 46-47	A M							R									
		74X-2, 46-47	A M							R									
		74X-CC	A M							R									
NP18-21		75X-1, 45-46	X X							R								P	
		75X-2, 37-38	X X							R								F	
		75X-3, 45-46	A M							R								P	
		75X-4, 36-37	A M							R								F	
		75X-5, 45-46	A M							R								F	
		75X-CC	A M							R								F	

Notes: Hole 883B located at 51°11.908'N, 167°46.128'E, at a water depth of 2384.0 m, drilled from 0 to 695.41 mbsf. Abbreviations given in text.

Table 9 (continued).

NN5	Zonation	Core, section, interval (cm)				Abundance	Preservation	<i>Discoaster variabilis</i>	<i>Ericsonia formosa</i>	<i>Ericsonia subdiscata/obruna</i>	<i>Helicosphaera carteri</i>	<i>Helicosphaera scissura</i>	<i>Isthmolithus recurvus triplus</i>	<i>Markalius inversus</i>	Small placoliths	<i>Pontosphaera</i> sp.	<i>Pyrocyclus</i> sp.	<i>Pyrocyclus inversus</i>	<i>Pyrocyclus orangensis</i>	Small <i>Reticulofenestra</i>	<i>Reticulofenestra</i> sp.	<i>Reticulofenestra daviesi</i>	<i>Reticulofenestra dictyoda</i>	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra hammonensis</i>	
		N	N	N	N																					
65X-3, 46-47	A	M	M	M	P																					
65X-4, 46-47	A	M	M	M	P																					
65X-5, 46-47	A	M	M	M	P																					
65X-CC	A	A	A	A	A																					
66X-1, 46-47	A	M	M	M	P																					
66X-2, 46-47	A	M	M	M	P																					
66X-3, 46-47	A	M	M	M	P																					
66X-4, 46-47	A	M	M	M	P																					
66X-5, 46-47	A	M	M	M	P																					
66X-6, 46-47	A	M	M	M	P																					
66X-7, 46-47	C	M	M	M	P																					
66X-CC	A	P	P	P	P																					
67X-1, 47-48	C	P	P	P	P																					
67X-2, 46-47	C	P	P	P	P																					
67X-3, 46-47	A	M	M	M	P																					
67X-4, 46-47	A	M	M	M	P																					
67X-5, 46-47	A	M	M	M	P																					
67X-6, 46-47	A	M	M	M	P																					
67X-7, 46-47	A	M	M	M	P																					
67X-CC	A	M	M	M	P																					
68X-2, 46-47	F	P	P	P	P																					
68X-3, 47-48	A	P	P	P	P																					
68X-4, 45-46	A	M	M	M	P																					
68X-5, 51-52	B	M	M	M	P																					
68X-CC	A	A	A	A	A																					
69X-1, 46-47	A	A	A	A	A																					
69X-2, 46-47	R	M	M	M	P																					
NN1 - - -	NN1	-	-	-	-																					
NP23 - - - - NP25	NP23	-	-	-	-																					
69X-3, 47-48	A	M	M	M	P																					
69X-4, 46-47	A	M	M	M	P																					
69X-5, 46-47	A	M	M	M	P																					
69X-6, 46-47	A	M	M	M	P																					
69X-CC	A	G	G	G	P																					
70X-1, 46-47	C	G	G	G	P																					
70X-2, 46-47	A	M	M	M	P																					
70X-3, 46-47	A	M	M	M	P																					
70X-4, 46-47	A	M	M	M	P																					
70X-5, 46-47	A	M	M	M	P																					
70X-6, 46-47	A	M	M	M	P																					
70X-CC	A	M	M	M	P																					
71X-1, 46-47	A	M	M	M	P																					
71X-2, 46-47	A	M	M	M	P																					
71X-4, 46-47	A	M	M	M	P																					
71X-5, 46-47	A	M	M	M	P																					
71X-6, 46-47	A	M	M	M	P																					
71X-7, 46-47	C	P	P	P	P																					
71X-CC	A	M	M	M	P																					
72X-1, 46-47	A	M	M	M	P																					
72X-2, 46-47	A	M	M	M	P																					
72X-3, 46-47	C	M	M	M	P																					
72X-4, 46-47	A	P	P	P	P																					
72X-5, 46-47	A	M	M	M	P																					
72X-6, 46-47	A	M	M	M	P																					
72X-7, 46-47	A	M	M	M	P																					
72X-CC	A	M	M	M	P																					
73X-1, 46-47	A	M	G	G	P																					
73X-2, 46-47	A	M	G	G	P																					
73X-3, 46-47	A	M	G	G	P																					
73X-4, 46-47	C	P	P	P	P																					
73X-5, 46-47	A	M	M	M	P																					
73X-6, 46-47	A	M	M	M	P																					
73X-7, 46-47	A	M	M	M	P																					
73X-CC	A	M	M	M	P																					
74X-1, 46-47	A	M	M	M	P																					
74X-2, 46-47	A	M	M	M	P																					
74X-CC	A	A	M	M	P																					
75X-1, 45-46	X	X	X	P	P																					
75X-2, 37-38	X	X	X	C	C																					
75X-3, 45-46	A	M	M	C	R																					
75X-4, 36-37	A	M	M	C	R																					
75X-5, 45-46	A	M	M	C	R																					
75X-CC	A	A	M	M	P																					
NP18-21																										

Table 9 (continued).

	Zonation	Core, section, interval (cm)	Abundance	Preservation	<i>Reticulofenestra hillae</i>	<i>Reticulofenestra minuta</i>	<i>Reticulofenestra oamaurensis</i>	<i>Reticulofenestra perplexa</i>	<i>Reticulofenestra pseudounbilica</i>	<i>Reticulofenestra reticulata</i>	<i>Reticulofenestra umbilica</i> <14 µm	<i>Reticulofenestra umbilica</i> >14 µm	<i>Sphenolithus abies</i>	<i>Sphenolithus belemnos</i>	<i>Sphenolithus sp. cf. conicus</i>	<i>Sphenolithus dissimilis</i>	<i>Sphenolithus heteromorphus</i>	<i>Sphenolithus moriformis</i>	<i>Triquetorhabdulus milowii</i>	<i>Triquetorhabdulus rugosus</i>	<i>Zygrhabdulus bijugatus</i>
NN5	NP23 - - - - NP25	65X-3, 46-47 65X-4, 46-47 65X-5, 46-47 65X-CC	A A A A	M M M P	.. . . .	C C C C	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
		66X-1, 46-47 66X-2, 46-47 66X-3, 46-47 66X-4, 46-47 66X-5, 46-47 66X-6, 46-47 66X-7, 46-47 66X-CC	A A A A A A A A	M M M M M M M P	.. . . .	F C C C C C C .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
		67X-1, 47-48 67X-2, 46-47 67X-3, 46-47 67X-4, 46-47 67X-5, 46-47 67X-6, 46-47 67X-7, 46-47 67X-CC	C C A A A A A A	M P M M M M M M	.. . . .	C C C C A C C .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
		68X-2, 46-47 68X-3, 47-48 68X-4, 45-46 68X-5, 51-52 68X-CC	F A A B A	P P P M R	.. . . .	R F C .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
		69X-1, 46-47 69X-2, 46-47	A A	M P	C
		69X-3, 47-48 69X-4, 46-47 69X-5, 46-47 69X-6, 46-47 69X-CC	A A A A A	M M M M G	.. . . .	C C C C G	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
		70X-1, 46-47 70X-2, 46-47 70X-3, 46-47 70X4, 46-47 70X-5, 46-47 70X-6, 46-47 70X-CC	C A A A A A A	G M M M M M M	.. . . .	R C C C C C C	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
		71X-1, 46-47	A	M	.. . . .	R	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
NP22	NP23 - - - - NP25	69X-3, 47-48 69X-4, 46-47 69X-5, 46-47 69X-6, 46-47 69X-CC	A A A A A	M M M M G	.. . . .	C C C C G	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
		70X-1, 46-47 70X-2, 46-47 70X-3, 46-47 70X4, 46-47 70X-5, 46-47 70X-6, 46-47 70X-CC	C A A A A A A	G M M M M M M	.. . . .	R C C C C C C	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
		71X-2, 46-47 71X-4, 46-47 71X-5, 46-47 71X-6, 46-47 71X-7, 46-47 71X-CC	A A A A A A	M M M M M M	.. . . .	R R R R R R	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
		72X-1, 46-47 72X-2, 46-47 72X-3, 46-47 72X-4, 46-47 72X-5, 46-47 72X-6, 46-47 72X-7, 46-47 72X-CC	A A A A A A A A	M M M M M M M M	.. . . .	R R R R R R R R	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
		73X-1, 46-47 73X-2, 46-47 73X-3, 46-47 73X-4, 46-47 73X-5, 46-47 73X-6, 46-47 73X-7, 46-47 73X-CC	A A A A A A A A	M G M P M M M M	.. . . .	R F C P F C C C	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .
		74X-1, 46-47 74X-2, 46-47 74X-CC	A A A	M M M	R R P
NP18-21		75X-1, 45-46 75X-2, 37-38 75X-3, 45-46 75X-4, 36-37 75X-5, 45-46 75X-CC	X X A A A A	X X M M M M	.. . . .	F .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	.. . . .	P P	P F	.. . . .	.. . . .

Table 10. Occurrence of calcareous nannofossils in samples from Hole 883C.

Core, section, interval (cm)	Abundance	Preservation	<i>Calcidiscus leptoporus</i>	<i>Coccolithus pelagicus</i>	<i>Cyclcoccolithus floridanus</i>	<i>Dicyclocites</i> sp.	<i>Dicyclocites hisectus</i>	<i>Helicosphaera carteri</i>	<i>Helicosphaera sellii</i>	Small placoliths	<i>Pontosphaera</i> sp.	<i>Pseudonanomia lacunosa</i>	Small <i>Reticulofenestra</i>	<i>Reticulofenestra pseudounihamata</i>	<i>Sphenolithus abies</i>
1H-CC	B		.												
2H-CC	R	M	.	.	R										
3H-CC	B	M	.	.	R										
4H-CC	R	M	.	.	R										
5H-CC	B														
6H-CC	R	M	.	.	F										
7H-CC	B														
8H-CC	B														
9H-CC	F	M	.	.											
10H-CC	B														
11H-CC	C	M	.	.	C										
12H-CC	C	G	.	.	FF										
13H-CC	A	G	.	.	CR										
14H-CC	C	M	.	.	FF										
15H-CC	A	M	.	.	CC										
16H-CC	A	M	.	.	CC										
17H-CC	A	G	R	R	CC										
18H-CC	C	M	.	.	C										
19H-CC	C	M	.	.	F										
20H-CC	B														
21H-CC	R	P	.	.	R										
22H-CC	B														
23H-CC	R	M	.	.	R										
24H-CC	B														
25H-CC	R	M	.	.	R										
26H-CC	B														
27H-CC	B														
28X-CC	B														
29X-CC	B														
30X-CC	B														
31X-CC	B														
32X-CC	C	P	P	P	C										
33X-CC	C	P	P	P	R										
34X-CC	R	P	.	.	R										
35H-CC	F	M	R	R	F										
36H-CC	R	M	.	R	R										
37H-CC	R	M	.	R	R										
38H-CC	B	.	.	.	.						

Note: Hole 883C is located at 51°11.919'N, 167°46.123'E, at a water depth of 2385.5 m, and was drilled from 0 to 355.0 mbsf.

Table 11. Occurrence of calcareous nannofossils in samples from Hole 883E.

Core, section, interval (cm)	Abundance	Preservation	<i>Calcidiscus macintyreai</i>	<i>Chiasmolithus</i> spp.	<i>Chiasmolithus extensus</i>	<i>Chiasmolithus grandis</i>	<i>Chiasmolithus omanensis</i>	<i>Chiasmolithus solitus</i>	<i>Coccolithus copelagicus</i>	<i>Coccolithus pelagicus</i>	<i>Coronocyclus</i> spp.	<i>Cyclargolithus abisectus</i>	<i>Cyclargolithus floridanus</i>	<i>Dicyococtites</i> spp.	<i>Dicyococtites bisectus</i>	<i>Discoaster</i> spp.	<i>Discoaster bifurcatus</i>	<i>Discoaster gemmifer</i>	<i>Discoaster kueperi</i>	<i>Discoaster lidoensis</i>	<i>Discoaster saipanensis/paradensis</i>	<i>Discoaster sublobensis</i>
IW-3, 120–121	R	M	R	.	.	.	.	.	R	.	.	.	R	.	.	.	R	.	.	.	.	.
IR-CC	C	M	F	.	.	.	.	.	F	.	.	.	C	.	.	.	F	.	.	.	.	.
2R-CC	C	M	.	.	.	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
3R-CC	C	M	.	.	.	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
4R-CC	A	M	.	.	.	.	.	.	.	.	.	.	A	.	.	.	F	.	.	.	.	.
5R-CC	C	M	.	.	.	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
6R-CC	A	M	.	.	.	.	.	.	.	.	.	.	A	.	.	.	F	.	.	.	.	.
7R-CC	A	G	.	.	.	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
8R-CC	A	M	.	.	.	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
9R-CC	A	M	.	.	.	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
10R-CC	A	P	.	.	C	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
11R-CC	A	P	.	.	.	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
12R-6, 30–31	A	P	.	.	P	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
13R-CC	A	M	.	.	P	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
14R-CC	A	P	.	.	P	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
15R-CC	A	M	.	.	P	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
16R-CC	A	M	.	.	P	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
17R-CC	C	P	.	.	P	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
18R-CC	A	P	.	.	P	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.
19R-CC	B	.	.	.	.	.	.	.	.	.	.	.	C	.	.	.	F	.	.	.	.	.

Note: Hole 883E is located at 51°11.917'N, 167°46.098'E, at a water depth of 2385.5 m, and was drilled from 547.0 to 856 mbsf.

Table 12. Occurrence of calcareous nannofossils in samples from Hole 884B.

Miocene	Pliocene	Pleistocene	Age	Core, section, interval (cm)	Abundance	Preservation
1H-CC	B	B	B	BB	M	<i>Calcidiscus leptoporus</i>
2H-CC	B	R	B	BB	M	<i>Calcidiscus macintyrei</i>
3H-CC	B	R	B	BB	M	<i>Chiasmolithus</i> sp.
4H-CC	B	R	B	BB	M	<i>Chiasmolithus grandis</i>
5H-CC	B	R	B	BB	M	<i>Chiasmolithus medius</i>
6H-CC	B	R	B	BB	M	<i>Chiasmolithus solitus</i>
7H-CC	B	R	B	BB	M	<i>Coccolithus eopelagicus</i>
8H-CC	B	R	B	BB	M	<i>Coccolithus pelagicus</i>
9H-2, 79–80	A	B	G	G	M	<i>Coronocyclus</i> sp.
9H-CC	B	B	B	B	M	<i>Cyclicargolithus floridanus</i>
10H-CC	B	B	B	B	M	<i>Dicyococtites</i> spp.
11H-CC	B	B	B	B	M	<i>Dictyococtites bisectus</i>
12X-CC	B	B	B	B	M	<i>Discoaster</i> spp.
13X-CC	B	B	B	B	M	<i>Discoaster barbadensis</i>
14X-CC	B	B	B	B	M	<i>Discoaster brouweri</i>
15X-CC	B	B	B	B	M	<i>Discoaster deflandrei</i>
16X-CC	B	B	B	B	M	<i>Discoaster kuepperi</i>
17X-CC	B	B	B	B	M	<i>Discoaster saipanensis</i>
18X-3, 81–82	A	B	G	G	M	<i>Ericsonia formosa</i>
18X-CC	B	B	B	B	M	Small <i>Gephyrocapsa</i>
19X-3, 70–71	A	C	GMM	P	M	<i>Gephyrocapsa caribbeanica</i>
19X-CC	C	B	GMM	P	M	<i>Gephyrocapsa oceanica</i>
21X-3, 89–90	A	C	MM	P	M	<i>Isthmolithus recurvus</i> S.S.
21X-CC	B	R	MM	P	M	<i>Isthmolithus recurvus triplis</i>
22X-CC	B	B	MM	P	M	<i>Markalius inversus</i>
23X-CC	B	B	MM	P	M	
24X-CC	B	B	MM	P	M	
25X-CC	B	B	MM	P	M	
26X-CC	B	B	MM	P	M	
27X-CC	B	B	MM	P	M	
28X-CC	R	B	MM	P	M	
29X-CC	B	B	MM	P	M	
30X-CC	B	B	MM	P	M	
31X-CC	B	B	MM	P	M	
32X-CC	B	B	MM	P	M	
33X-CC	B	B	MM	P	M	
34X-CC	B	B	MM	P	M	
35X-CC	B	F	MM	P	M	
36X-5, 4–5	R	F	MM	P	M	
36X-CC	F	R	MM	P	M	
37X-CC	F	F	MM	P	M	
38X-CC	B	C	MM	P	M	
39X-CC	B	B	MM	P	M	
40X-CC	B	B	MM	P	M	
41X-CC	B	B	MM	P	M	
42X-CC	B	B	MM	P	M	
43X-CC	C	C	MM	P	M	
44X-CC	B	C	MM	P	M	
45X-CC	C	C	MM	P	M	
46X-CC	C	C	MM	P	M	
47X-CC	C	A	MM	P	M	
48X-CC	R	R	MM	P	M	
49X-CC	B	B	MM	P	M	
50X-CC	B	B	MM	P	M	
51X-CC	B	B	MM	P	M	
52X-CC	B	B	MM	P	M	
53X-CC	B	R	MM	P	M	
54X-CC	B	R	MM	P	M	
55X-CC	B	R	MM	P	M	
56X-CC	B	R	MM	P	M	
57X-CC	B	R	MM	P	M	
58X-CC	B	R	MM	P	M	
59X-CC	B	R	MM	P	M	
60X-CC	B	R	MM	P	M	
61X-CC	B	R	MM	P	M	
62X-CC	B	R	MM	P	M	
63X-CC	R	A	MM	P	M	
64X-CC	A	C	MM	P	M	
65X-CC	F	C	MM	P	M	
66X-CC	B	F	MM	P	M	
67X-CC	B	B	MM	P	M	
68X-CC	B	A	M	M	M	
69X-5, 18–19	A	M	M	M	M	

Table 12 (continued).

Miocene	Pliocene	Pleistocene	Age	Core, section, interval (cm)	Abundance	Preservation	
1H-CC	B	.	.	.	.	.	<i>Nannotetina fulgens</i>
2H-CC	B	.	.	.	.	.	<i>Neococcolithes</i> sp.
3H-CC	R	.	.	.	.	.	<i>Neococcolithes dubius</i>
4H-CC	B	.	.	.	.	.	<i>Neococcolithes minutus</i>
5H-CC	R	.	.	.	.	.
6H-CC	R	.	.	.	.	.
7H-CC	B	.	.	.	.	.
8H-CC	B	.	.	.	.	.
9H-2, 79-80	A	G	.	.	.	.
9H-CC	B	.	.	.	.	.
10H-CC	B	.	.	.	.	.
11H-CC	B	.	.	.	.	.
12X-CC	B	.	.	.	.	.
13X-CC	B	.	.	.	.	.
14X-CC	B	.	.	.	.	.
15X-CC	B	.	.	.	.	.
16X-CC	B	.	.	.	.	.
17X-CC	B	.	.	.	.	.
18X-3, 81-82	A	G	.	.	.	.
18X-CC	B	G	.	.	.	.
19X-3, 70-71	A	M	.	.	.	.
19X-CC	C	M	.	.	.	.
21X-3, 89-90	B	M	.	.	.	.
21X-CC	B	P	.	.	.	.
22X-CC	R	P	.	.	.	.
23X-CC	B	P	.	.	.	.
24X-CC	B	P	.	.	.	.
25X-CC	B	P	.	.	.	.
26X-CC	B	P	.	.	.	.
27X-CC	B	P	.	.	.	.
28X-CC	R	P	.	.	.	.
29X-CC	B	P	.	.	.	.
30X-CC	B	P	.	.	.	.
31X-CC	B	P	.	.	.	.
32X-CC	B	P	.	.	.	.
33X-CC	B	P	.	.	.	.
34X-CC	B	P	.	.	.	.
35X-CC	F	P	.	.	.	.
36X-5, 4-5	F	M	.	.	.	.
36X-CC	R	M	.	.	.	.
37X-CC	F	M	.	.	.	.
38X-CC	B	M	.	.	.	.
39X-CC	B	M	.	.	.	.
40X-CC	B	M	.	.	.	.
41X-CC	B	M	.	.	.	.
42X-CC	B	M	.	.	.	.
43X-CC	C	M	.	.	.	.
44X-CC	C	M	.	.	.	.
45X-CC	C	M	.	.	.	.
46X-CC	C	M	.	.	.	.
47X-CC	A	M	.	.	.	.
48X-CC	R	M	.	.	.	.
49X-CC	B	M	.	.	.	.
50X-CC	B	M	.	.	.	.
51X-CC	B	M	.	.	.	.
52X-CC	B	M	.	.	.	.
53X-CC	B	M	.	.	.	.
54X-CC	B	M	.	.	.	.
55X-CC	B	M	.	.	.	.
56X-CC	B	M	.	.	.	.
57X-CC	B	M	.	.	.	.
58X-CC	B	M	.	.	.	.
59X-CC	R	M	.	.	.	.
60X-CC	B	M	.	.	.	.
61X-CC	B	M	.	.	.	.
62X-CC	B	M	.	.	.	.
63X-CC	R	M	.	.	.	.
64X-CC	A	M	.	.	.	.
65X-CC	C	M	.	.	.	.
66X-CC	F	M	.	.	.	.
67X-CC	B	M	.	.	.	.
68X-CC	B	M	.	.	.	.
69X-5, 18-19	A	M	.	.	.	.

Table 12 (continued).

		Age	Core, section, interval (cm)	Abundance	Preservation	<i>Calcidiscus leptopus</i>	<i>Calcidiscus macintyrei</i>	<i>Chiasmolithus sp.</i>	<i>Chiasmolithus solitus</i>	<i>Coccolithus eopelagicus</i>	<i>Coccolithus pelagicus</i>	<i>Coronocyclus sp.</i>	<i>Cyclicargolithus floridanus</i>	<i>Dicyococtites bisectus</i>	<i>Dicyococtites spp.</i>	<i>Discoaster barbadensis</i>	<i>Discoaster brasieri</i>	<i>Discoaster cf. landrei</i>	<i>Discoaster kuepperi</i>	<i>Discoaster salpanensis</i>	<i>Ericsonia formosa</i>	<i>Small Gephyrocapsa</i>	<i>Gephyrocapsa caribbeanica</i>	<i>Gephyrocapsa oceanica</i>	<i>Isthmolithus recurvus s.s.</i>	<i>Isthmolithus recurvus triplus</i>	<i>Markalius inversus</i>	
Eocene	Oligocene	69X-CC	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
		70X-1, 47–48	F	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		70X-1, 99–100	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		70X-CC	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		71X-CC	C	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		72X-6, 29–30	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		72X-CC	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		73X-CC	C	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		74X-1, 49–50	A	G	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		74X-CC	R	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		75X-2, 131–132	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		75X-3, 131–132	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		75X-CC	A	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		76X-CC	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		77X-CC	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		78X-CC	R	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		79X-5, 90–91	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		79X-CC	R	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		80X-CC	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		81X-CC (Br)	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		81X-CC (Wh)	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		82X-CC	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		83X-CC	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Note: Hole 884B is located at 51°27.026'N, 168°20.228'E, at a water depth of 3824.8 m, and was drilled from 0 to 853.9 mbsf. Sample 81X-CC (Br) = brown part of the sediment, and Sample 81X-CC (Wh) = white part of the sediment. Abbreviations given in text.

Table 12 (continued).

		Age	Core, section, interval (cm)	Abundance	Preservation	<i>Nanotetina fulgens</i>	<i>Neococcolithes dubius</i>	<i>Neococcolithes minutus</i>	<i>Small placoliths</i>	<i>Pseudonitiania lacunosa</i>	<i>Pyrocyclus sp.</i>	<i>Small Reticulofenestra</i>	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra hamptenensis</i>	<i>Reticulofenestra minutula</i>	<i>Reticulofenestra oamaruensis</i>	<i>Reticulofenestra perplexa</i>	<i>Reticulofenestra pseudounbilicata</i>	<i>Reticulofenestra umbilicata</i>	<i>Rhabdosphaera sp.</i>	<i>Sphenolithus sp. cf. primus</i>	<i>Sphenolithus moriformis</i>	<i>Tribrachiatus orthostylus</i>	<i>Ericsonia formosa</i>	<i>Small Gephyrocapsa</i>	<i>Gephyrocapsa caribbeanica</i>	<i>Gephyrocapsa oceanica</i>	<i>Isthmolithus recurvus s.s.</i>	<i>Isthmolithus recurvus triplus</i>	<i>Markalius inversus</i>
Eocene	Oligocene	69X-CC	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		70X-1, 47–48	F	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		70X-1, 99–100	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		70X-CC	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		71X-CC	C	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		72X-6, 29–30	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		72X-CC	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		73X-CC	C	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		74X-1, 49–50	A	G	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		74X-CC	R	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		75X-2, 131–132	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		75X-3, 131–132	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		75X-CC	A	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		76X-CC	A	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		77X-CC	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		78X-CC	R	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		79X-5, 90–91	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		79X-CC	R	P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		80X-CC	B	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		81X-CC (Br)	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		81X-CC (Wh)	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		82X-CC	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
		83X-CC	A	M	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			

Table 13. Occurrence of calcareous nannofossils in samples from Hole 884C.

Core, section, interval (cm)		Abundance	Preservation	<i>Calcidiscus leptoporus</i>	<i>Calcidiscus macintyrei</i>	<i>Coccolithus pelagicus</i>	<i>Cyclargolithus floridanus</i>	<i>Dicyclococites</i> spp.	<i>Discoaster</i> spp.	<i>Gephyrocapsa</i> spp.	Small <i>Gephyrocapsa</i>	<i>Gephyrocapsa caribeanica</i>	<i>Gephyrocapsa oceanica</i>	Small placoliths	<i>Pontosphaera discospora</i>	<i>Pseudoemiliania lacunosa</i>	<i>Reticulofenestra</i> spp.	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra minutula</i>	<i>Reticulofenestra perplexa</i>	<i>Reticulofenestra pseudounbilicata</i>	<i>Sphenolithus abies</i>	<i>Umbilicosphaera</i> sp.	
1H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-CC	C	M	R	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5H-CC	R	M	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6X-CC	R	M	.	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8H-CC	C	M	R	.	C	(R)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9H-CC	C	M	.	.	C	(R)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14X-CC	R	M	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16X-CC	A	M	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17X-CC	F	P	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18X-CC	R	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
19X-CC	F	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
20X-CC	R	M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
21X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
24X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
25X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
26X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28X-6, 69–70	C	P	.	.	C	.	R	.	.	.	.	.	.	.	.	.	.	.	.	R	R	.	.	.
28X-6, 136–137	F	P	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	F	R	R	.	.	.
28X-CC	R	M	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	F	F	.	.	.	.
29X-CC	C	M	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	F	F	.	.	.	.
30X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
31X-5, 91–92	R	P	R	R	R	R	.	R	.	.	.	.	.	.	.	.	R	.	.	.	.	.	.
31X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
32X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
34X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
36X-CC	A	G	.	R	R	R	.	R	.	.	.	.	.	.	.	.	R	C	R	.	R	R	.	
37X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
38X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Note: Hole 884C is located at 51°27.038'N, 168°20.217'E, at a water depth of 3824.9 m, and was drilled from 0 to 357.80 mbsf.

Table 14. Occurrence of calcareous nannofossils in samples from Hole 887A.

Core section, interval (cm)	Abundance	Preservation	<i>Calcidiscus leptopus</i>	<i>Calcidiscus macintyreai</i>	<i>Coccolithus micralagucus</i>	<i>Coccolithus pelagicus</i>	<i>Cyclicargolithus floridanus</i>	<i>Cyclicargolithus abisectus</i>	<i>Dicyoococcites spp.</i>	<i>Dicyoococcites hiscetus</i>	<i>Discoaster spp.</i>	<i>Discoaster sp. et intercalaris</i>	<i>Discoaster variabilis</i>	<i>Emiliania huxleyi</i>	Small <i>Gephyrocapsa</i>	<i>Gephyrocapsa spp.</i>	<i>Gephyrocapsa sp. 3 µm</i>	<i>Gephyrocapsa caribbeanaica</i>	<i>Gephyrocapsa oceanica</i>	<i>Pyrocyclus sp.</i>	<i>Pyrocyclus inversus</i>	<i>Pyrocyclus orangensis</i>	Small <i>Reticulofenestra</i>	<i>Reticulofenestra</i> spp.	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra minitula</i>	<i>Reticulofenestra perplexa</i>	<i>Reticulofenestra pseudounifilica</i>
1H-1, 110-111	C	M	.	.	C	.	.	.	.	.	.	.	F	.	F	.	.	.	.	.	.	.	.	.	.	.	.
1H-2, 110-111	C	M	.	.	C	.	.	.	.	.	.	.	R	.	R	.	.	.	.	.	.	.	.	.	.	.	.
1H-3, 110-111	C	M	.	.	F	.	.	.	.	.	.	.	F	.	C	.	.	.	.	.	.	.	.	.	.	.	.
1H-4, 110-111	C	P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2H-1, 110-111	C	M	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2H-2, 110-111	C	P	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2H-3, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2H-4, 110-111	R	P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2H-5, 110-111	C	M	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2H-6, 110-111	I	M	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3H-1, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3H-2, 110-111	C	P	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3H-3, 110-111	C	M	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3H-4, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3H-5, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-1, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-2, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-3, 19-20	A	M	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-3, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-4, 50-51	A	G	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-4, 110-111	R	P	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-5, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-6, 110-111	A	M	R	.	C	(R)	.	(R)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4H-CC	R	P	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5H-1, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5H-2, 110-111	A	M	.	.	A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5H-3, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5H-4, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5H-5, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5H-6, 110-111	C	P	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6H-1, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6H-2, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6H-3, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6H-4, 110-111	C	P	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6H-5, 110-111	F	P	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6H-6, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7H-1, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7H-2, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7H-3, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7H-4, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7H-5, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7H-6, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8H-1, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8H-2, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8H-3, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8H-4, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8H-5, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8H-6, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9H-1, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9H-2, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9H-3, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9H-4, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9H-5, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10H-1, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10H-2, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10H-3, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10H-4, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10H-5, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10H-6, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11H-1, 110-111	R	M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11H-2, 110-111	C	M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11H-3, 110-111	C	M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11H-4, 110-111	C	M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11H-5, 110-111	A	M	.	.	F	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11H-6, 110-111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11H-CC	F	M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12H-1, 110-111	F	M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Table 14 (continued).

Table 14 (continued).

Core section, interval (cm)	Abundance	Preservation	<i>Calcidiscus leptoporus</i>	<i>Calcidiscus macintryrei</i>	<i>Coccolithus micropelagicus</i>	<i>Coccolithus pelagicus</i>	<i>Cyclocargolithus floridanus</i>	<i>Cyclocargolithus abisectus</i>	<i>Dicyococtes</i> spp.	<i>Discoaster</i> spp.	<i>Discoaster</i> sp. cf. <i>intercalaris</i>	<i>Discoaster variabilis</i>	<i>Emiliania huxleyi</i>	<i>Small Gephyrocapsa</i>	<i>Gephyrocapsa</i> spp.	<i>Gephyrocapsa</i> sp. 3 µm	<i>Gephyrocapsa caribbeanica</i>	<i>Gephyrocapsa oceanica</i>	<i>Small placoliths</i>	<i>Pyrocyclus</i> sp.	<i>Pyrocyclus inversus</i>	<i>Pyrocyclus orangensis</i>	<i>Small Reticulofenestra</i>	<i>Reticulofenestra</i> spp.	<i>Reticulofenestra gelida</i>	<i>Reticulofenestra minutula</i>	<i>Reticulofenestra perplexa</i>	<i>Reticulofenestra pseudounbilicata</i>	<i>Sphenolithus</i> sp. cf. <i>meocabis</i>
25H-6, 110–111	F	P	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35H-CC	A	M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27H-1, 110–111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27H-2, 110–111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27H-3, 110–111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
27H-CC	A	M	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28H-1, 110–111	A	M	.	.	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28H-2, 110–111	A	G	.	.	.	A	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28H-3, 110–111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28H-4, 110–111	C	P	.	.	R	.	C	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28H-6, 110–111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
28H-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
29X-1, 110–111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
29X-2, 110–111	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
29X-CC	B	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30X-CC	A	P	.	.	F	A	A	.	.	R	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Notes: Hole 887A located at 54°21.921'N, 148°26.765'W, at a water depth of 3631.2 m, drilled from 0 to 286.0 mbsf. Abbreviations given in text.

Table 15. Occurrence of calcareous nannofossils in samples from Hole 887B.

Core, section, interval (cm)	Abundance	Preservation	<i>Caccolithus pelagicus</i>	Small <i>Gephyrocapsa</i>	<i>Gephyrocapsa caribbeanica</i>	Small placoliths
1H-CC	R	M	R	.	.	.
2H-CC	R	M	R	.	.	.
3H-CC	B	.	.	.	.	.
4H-3, 78–79	A	M	F	A	R	.
4H-CC	C	M	C	.	.	F

Note: Hole 887B is located at 54°21.921'N, 148°26.778'W, at a water depth of 3635.9 m, and was drilled from 0 to 40 mbsf.

Table 16. Occurrence of calcareous nannofossils in samples from Hole 887C.

Core, section, interval (cm)	Abundance	Preservation	<i>Calcidiscus leptoporus</i>	<i>Coccolithus pelagicus</i>	<i>Cyclocargolithus floridanus</i>	<i>Dicyococtes</i> sp.	<i>Discoaster</i> sp. cf. <i>challengeri</i>	<i>Discoaster</i> sp. cf. <i>deflandrei</i>	<i>Small Reticulofenestra</i>	<i>Reticulofenestra pseudounbilicata</i>	<i>Reticulofenestra perplexa</i>
1H-CC	B	.	.	.	.	.	.	.	.	.	.
2H-CC	B	.	.	.	.	.	.	.	.	.	.
3H-CC	R	.	.	.	.	.	.	.	.	.	.
4H-CC	B	P	.	.	.	.	.	.	.	.	.
5H-CC	B	.	.	.	.	.	.	.	.	.	.
6H-CC	B	.	.	.	.	.	.	.	.	.	.
7H-CC	B	.	.	.	.	.	.	.	.	.	.
8H-CC	B	.	.	.	.	.	.	.	.	.	.
9H-CC	B	.	.	.	.	.	.	.	.	.	.
10H-CC	B	.	.	.	.	.	.	.	.	.	.
11H-CC	C	M	.	.	.	.	.	.	.	.	.
12H-CC	C	P	.	.	.	.	.	.	.	.	.
13H-CC	C	C	.	.	.	.	.	.	.	.	.
14H-CC	B	.	.	.	.	.	.	.	.	.	.
15H-CC	B	.	.	.	.	.	.	.	.	.	.
16H-CC	B	.	.	.	.	.	.	.	.	.	.
17H-CC	B	.	.	.	.	.	.	.	.	.	.
18H-CC	B	.	.	.	.	.	.	.	.	.	.
19H-CC	B	.	.	.	.	.	.	.	.	.	.
20H-CC	A	P	R	C	.	R	.	.	A	R	.
21H-CC	B	.	.	.	.	.	.	.	.	.	.
22H-CC	R	P	.	.	.	.	.	.	C	A	.
23H-CC	A	M	.	C	.	.	.	.	C	C	.
24H-CC	C	M	.	.	.	.	.	.	C	A	.
25H-CC	A	M	.	.	.	.	.	.	C	A	.
26H-CC	B	.	.	.	.	.	.	.	C	A	.
27H-CC	A	M	.	.	.	.	.	.	C	A	.
28H-CC	B	.	.	.	.	.	.	.	C	A	.
29H-CC	C	M	.	R	R	.	R	.	R	R	R
30H-CC	A	M	.	R	.	.	R	.	A	R	R

Note: Hole 887C is located at 54°21.934'N, 148°26.778'W, at a water depth of 3633.6 m, and was drilled from 0 to 273.8 mbsf.