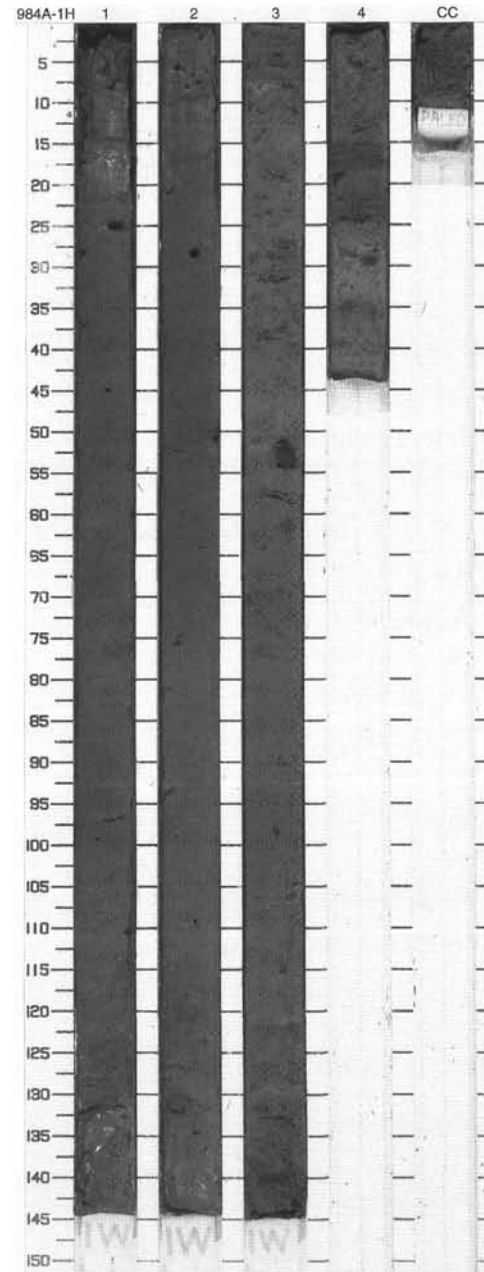


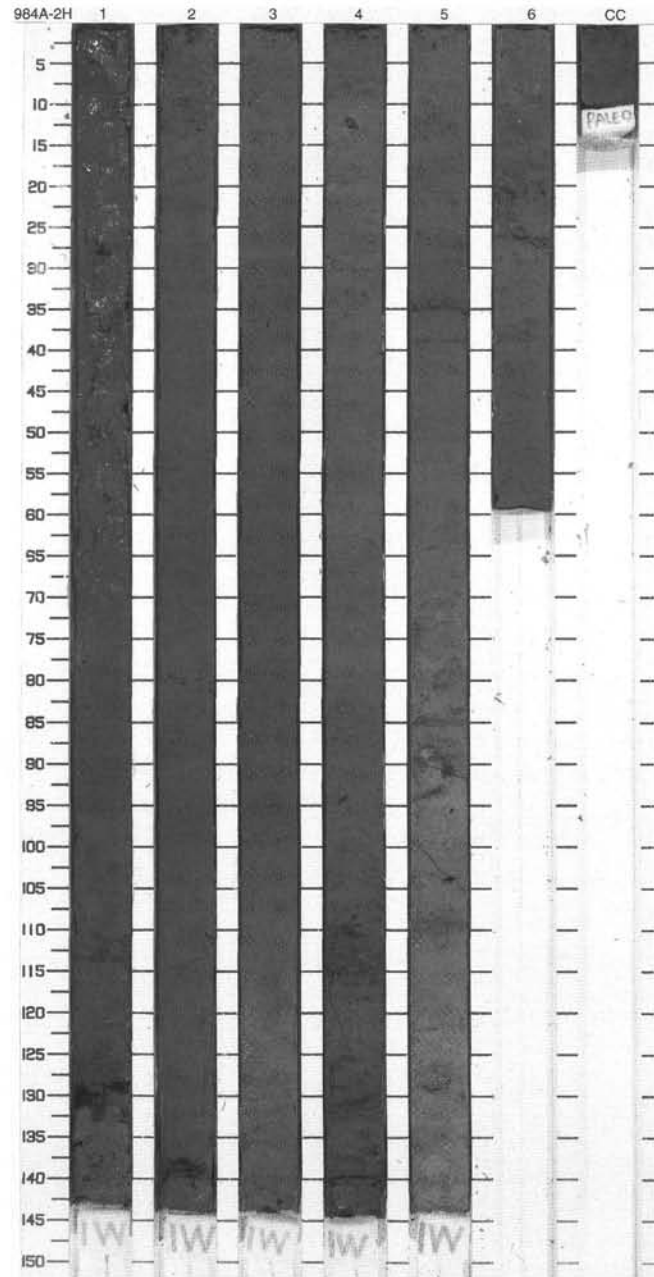
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	}	○○○	S	10Y 4/1	<p>NANNOFOSSIL SILTY CLAY and CLAY</p> <p>General Description:                      This core contains dark greenish gray (10Y 4/1) NANNOFOSSIL SILTY CLAY and dark greenish gray (5GY 4/1) CLAY. Minor components in the NANNOFOSSIL SILTY CLAY include foraminifers, diatoms, and sponge spicules. The CLAY has minimal biogenic sediment. Color mottling and slight bioturbation occur throughout. The color changes are gradational. Thin dark color bands in Section 4, 10-15 cm contain brown volcanic ash. A dark shale dropstone (1.0-cm) occurs in Section 3, 60 cm.</p>
2	[Hatched pattern]	2				I		
3	[Hatched pattern]	3				I		
4	[Hatched pattern]	4				S		
5	[Hatched pattern]	4		}		S	5GY 4/1	
		CO	S			10Y 4/1		



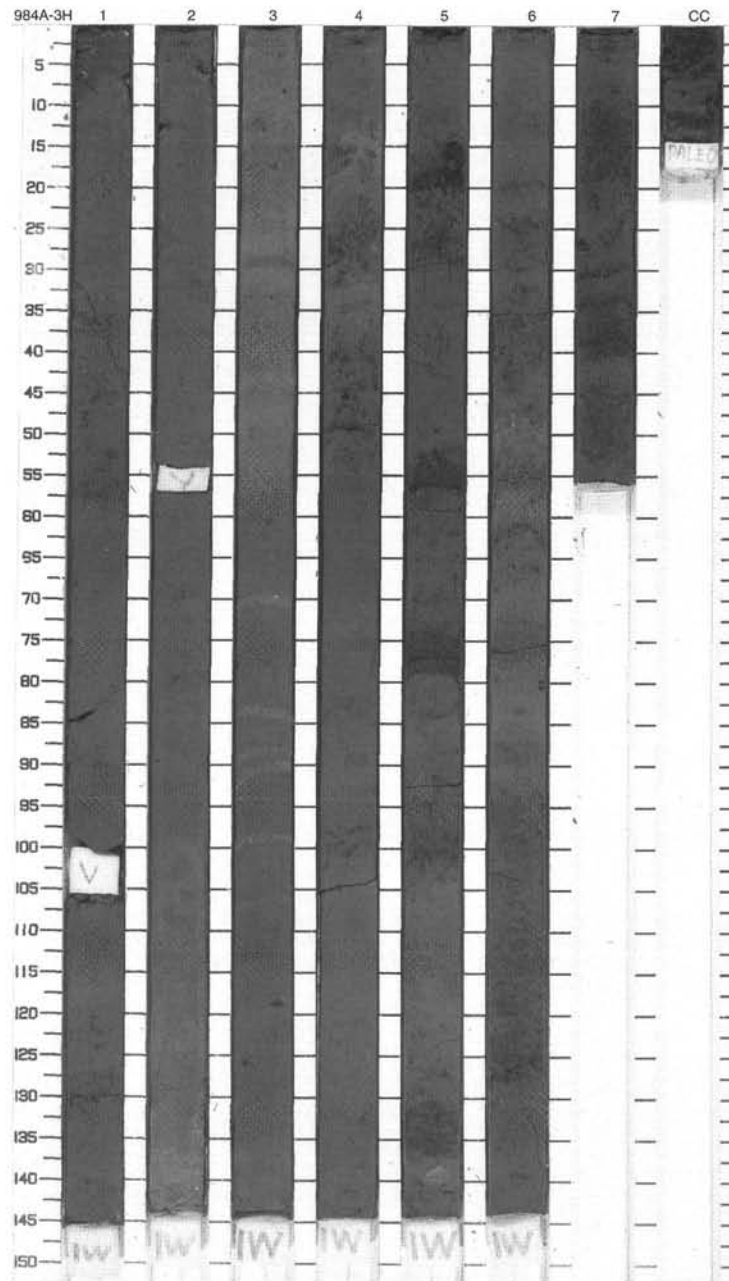
SITE 984 HOLE A CORE 2H

CORED 5.1 - 14.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Dotted pattern]	1	Pleistocene	}}	OOO	S	5Y 4/1	<p>NANNOFOSSIL SILTY CLAY and CLAY</p> <p>General Description: This core contains dark gray (5Y 4/1) SILTY CLAY alternating with dark greenish gray (10Y 4/1) NANNOFOSSIL SILT WITH CLAY and dark greenish gray (5GY 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT. All color changes are gradational. Most of the core is slightly to moderately bioturbated. Volcanic ash layers occur, with sharp bases and gradational tops, in Section 1, 111-114, and 129-132 cm, Section 2, 138-140 cm, Section 4, 140.5-141 cm, and in Section 5, 84-87 cm.</p>	
				-A		I			
				-A					
2	[Dotted pattern]	2		}}					
				-A		I			
3	[Dotted pattern]	3		}}					
4	[Dotted pattern]	3		P					
5	[Dotted pattern]	4	}}			I	10Y 4/1		
			-A			S			
6	[Dotted pattern]	4	}}				5Y 3/1 To 10Y 4/1		
			-A			I			
7	[Dotted pattern]	5	}}				5GY 4/1		
			-A			S			
			P			I			
8	[Dotted pattern]	6	}}				5Y 4/1		
			-A			M			
		CC							



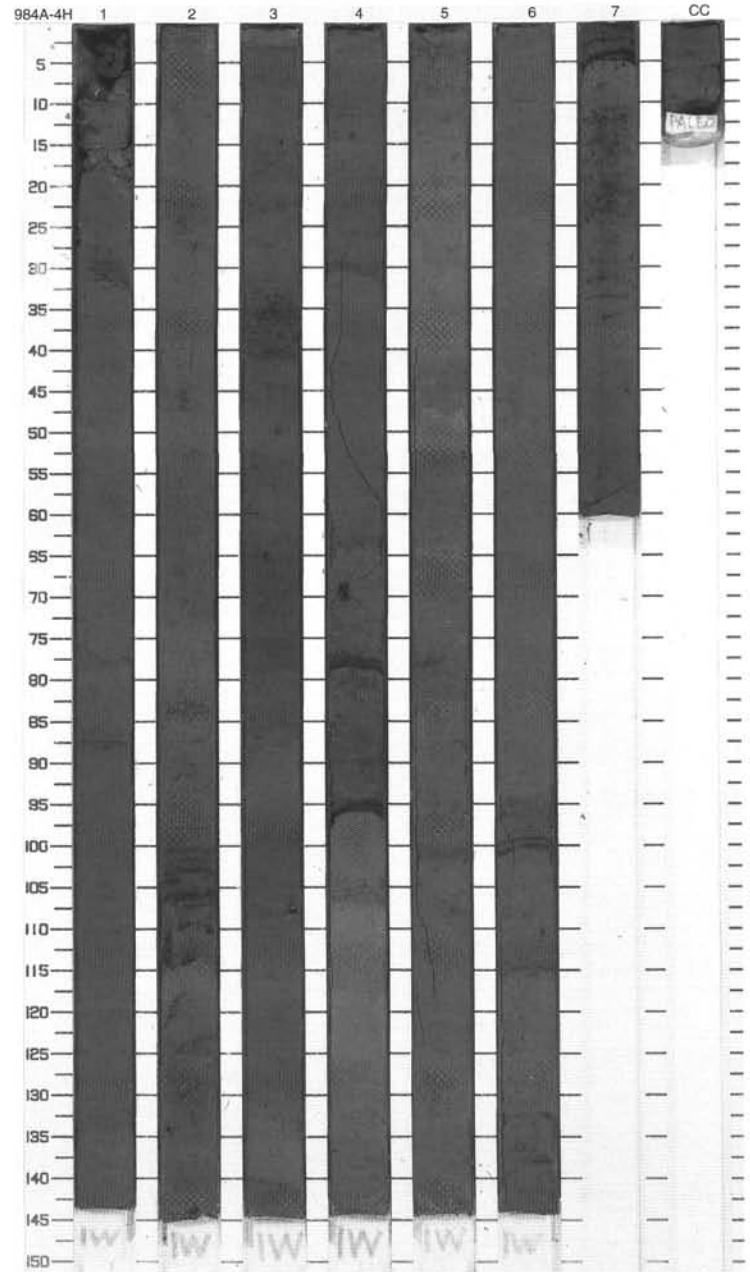
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Cross-hatched pattern]	1	Pleistocene	P	I	S	5Y 4/1 To 5Y 5/1	<p>NANNOFOSSIL OOZE WITH CLAY and SILTY CLAY</p> <p>General Description: This core contains dark gray to gray (5Y 4/1 to 5Y 5/1) NANNOFOSSIL OOZE WITH CLAY and dark gray (5Y 4/1) SILTY CLAY. The sediment is soft and moist. All color changes are very gradational. Several dropstones occur, in Section 5, 15-18 cm (&lt; 3.3 cm, probable blackshale), 49 cm (&lt; 0.3 cm). Section 3 contains a Zoophycus trace fossil. Section 5, 54-57 and 76-80 cm contains black color bands with sharp contacts. Slight bioturbation and disseminated pyrite occur throughout. VOIDS occur in Section 1, 98-107 cm and Section 2, 53-56 cm.</p>
2	[Cross-hatched pattern]	2						
3	[Cross-hatched pattern]	3						
4	[Cross-hatched pattern]	3		P	I	S		
5	[Horizontal dashed pattern]	4						
6	[Horizontal dashed pattern]	4						
7	[Horizontal dashed pattern]	5		P	I	S		
8	[Horizontal dashed pattern]	6						
9	[Horizontal dashed pattern]	7	P	I	M			
CC	[Horizontal dashed pattern]	7				5Y 3/1		



SITE 984 HOLE A CORE 4H

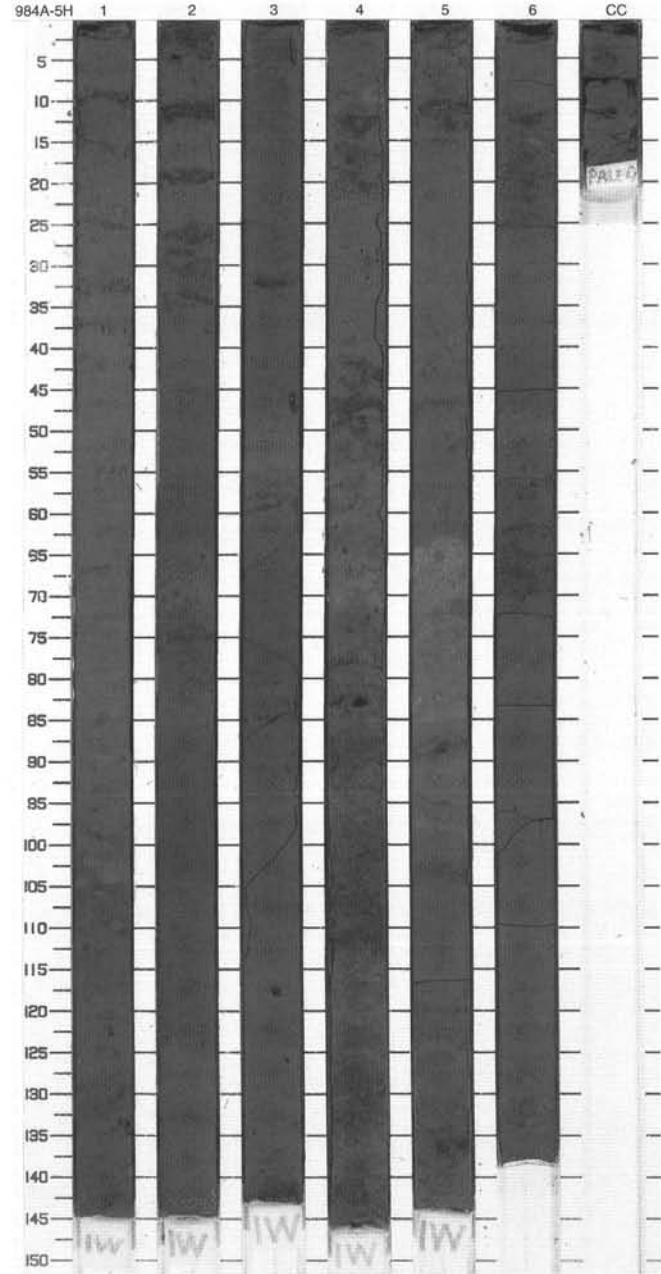
CORED 24.1 - 33.6 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	}}	W	I	5Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains dark greenish gray (5Y 4/1) and very dark greenish gray (10Y 3/1, 5Y 3.1) SILTY CLAY. The uppermost 10 cm of Section 1 is very disturbed. The sediment is firm throughout the rest of the core. Color mottling and slight bioturbation occur throughout. Several color changes are sharply defined. An ash layer in Section 2, 118 cm, and two in Section 4, 79 and 97 cm, have sharp bases and gradational tops which extend 10 cm above. A mud clast occurs in Section 4, 70 cm.</p>
2	[Hatched pattern]	2	}} -A	I	I		
3	[Hatched pattern]	3	}} ◆	I	I		
4	[Hatched pattern]	3	}}	S	S		
5	[Hatched pattern]	4	}} ◆	I	I		
6	[Hatched pattern]	4	}} -A	S	S		
7	[Hatched pattern]	5	}} -A ☼ ☼ ☼	I	I		
8	[Hatched pattern]	6	}} ☼	I	I		
9	[Hatched pattern]	6	}}	S	S		
	[Hatched pattern]	7	}}	I	I		
	[Hatched pattern]	7	}}	M	M		



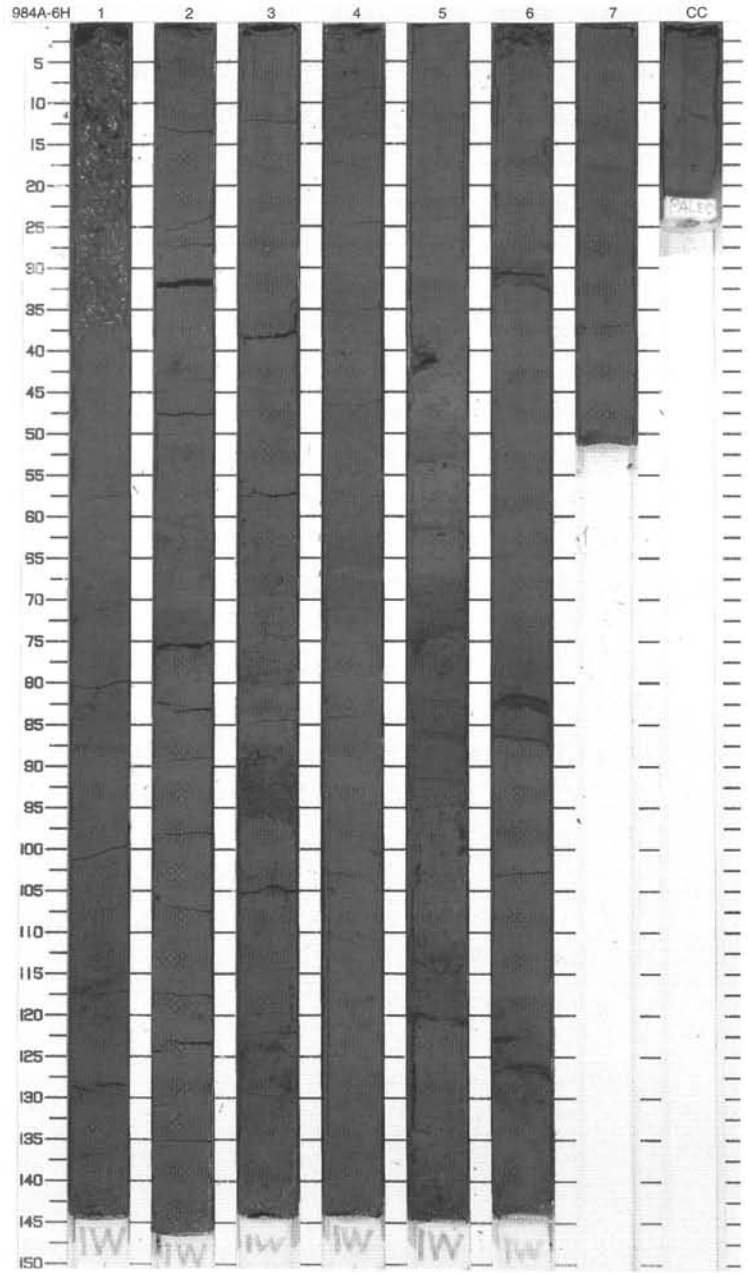


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	} } }} }}		S	10Y 3/1	<p>SILTY CLAY WITH NANNOFOSSIL and CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY WITH NANNOFOSSIL interbedded with very dark gray (5Y 3/1) CLAY WITH SILT. A dropstone (&lt; 1.0 cm, probable black shale) occurs in Section 3, 47 cm. Dark green color bands occur in Section 5, 12 cm, and Section 1, 5 and 25 cm. All color changes are gradational. Slight to moderate bioturbation occurs throughout. Disseminated pyrite also occurs throughout the core.</p>
2	[Hatched pattern]	2		} }		I		
3	[Hatched pattern]	3		} }		I		
4	[Hatched pattern]	4		} }		I		
5	[Dotted pattern]	5		} }		S	5Y 3/1	
6	[Hatched pattern]	6		} }		I		
7	[Hatched pattern]	5		} }		I	10Y 4/1 To 10Y 5/1	
8	[Hatched pattern]	6		} }		I	10Y 3/1	
9	[Hatched pattern]	CC				M		

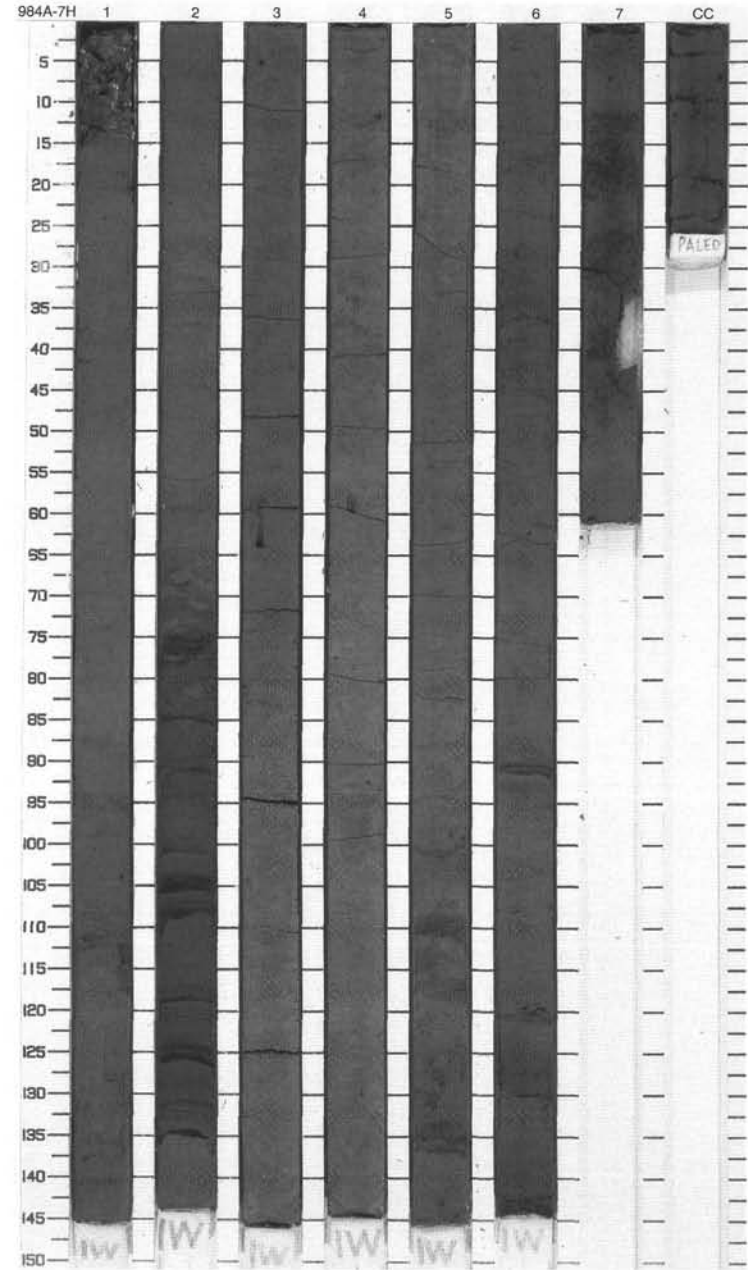


SITE 984 HOLE A CORE 6H CORED 43.1 - 52.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		P	OO	S	10Y 3/1	<p>CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT</p> <p>General Description: This core contains very dark greenish gray to dark greenish gray (10Y 3/1 to 10Y 4/1) and dark gray (5Y 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT. Very dark greenish gray (5GY 3/1) VOLCANIC ASH layers are interbedded with the dominant lithology, especially in Sections 5 and 6. The color changes are gradational, excepting the bases of most of the volcanic ash layers. The sediment is slightly bioturbated. Small mm-sized dropstones occur in Section 2, 120 cm, Section 3, 59-78 cm, Section 4, 38-42 cm, and in Section 5, 49-53 cm. The foraminifer content increases in Section 1, 70-80 cm. Volcanic ash layers are present in Section 5, 69-95 (several layers), 61-62, and 120-121 cm, and in Section 6, 0-2.5, 30-31.5, 81-83, and 123-128 cm. The uppermost 36 cm of the core are soupy due to drilling.</p>
2	[Pattern]	2		P		I		
3	[Pattern]	3		S		S	10Y 4/1	
4	[Pattern]	4		I		I		
5	[Pattern]	5	Pleistocene			S	10Y 3/1	
6	[Pattern]	6				I		
7	[Pattern]	7		-A		S	5Y 4/1	
8	[Pattern]	8		-A		I		
9	[Pattern]	9		-A		I	5Y 3/1	
CC		CC				M		



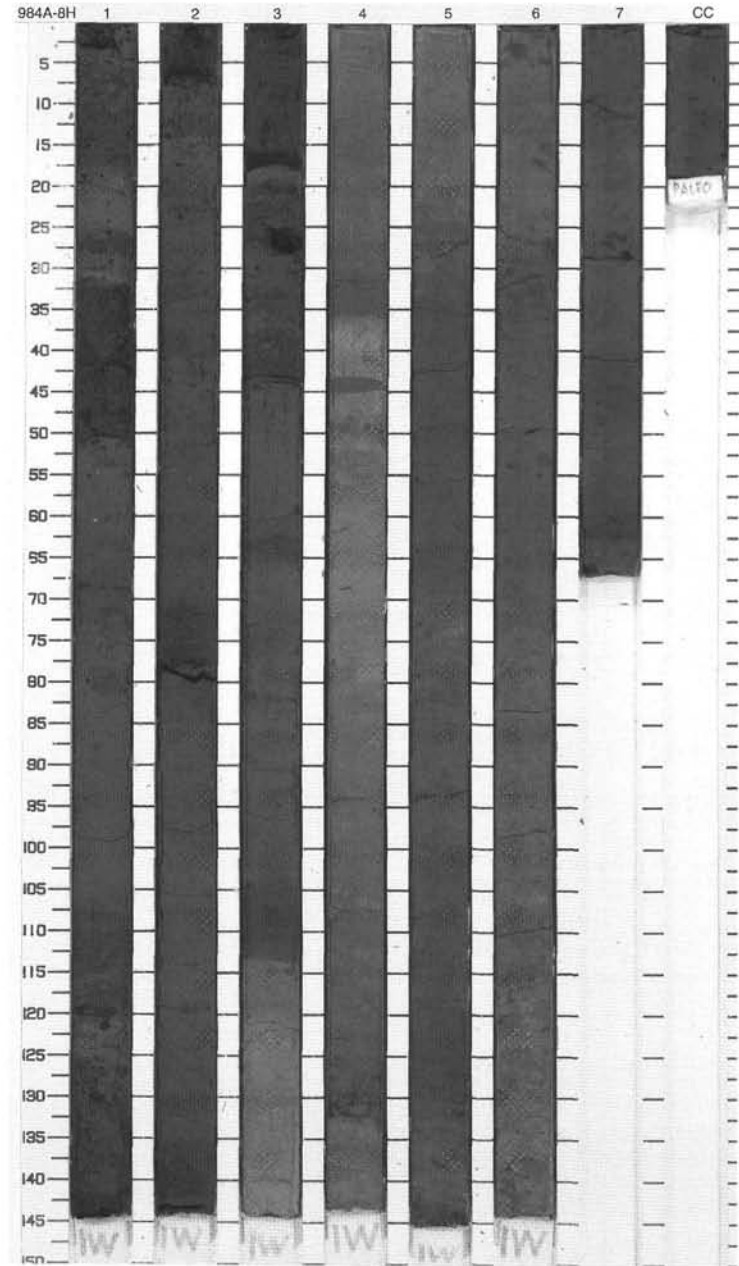
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Pattern]	1	Pleistocene	[Symbol]	○	I	5Y 3/1	<p>SILTY CLAY and CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY and dark greenish gray (5GY 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT. Sediment is firm, homogeneous, and slightly to moderately bioturbated throughout. Ash layers are present in Section 2, 75-78, 84-85, 90-91, 94, 101, 104-106, 108-109, 119-120, 124-126, 131, and 134-135 cm, in Section 6, 37, 90-93, 127-130, and 144-145 cm. These ash layers have sharp lower contacts and gradational upper ones. Faint green color bands occur in Section 1, 100-101 cm and in Section 5, 112-114 cm. Coarser intervals are situated in Section 1, 97-100 cm and in Section 5, 112-114 cm. The top of the core is soupy due to coring disturbance.</p>	
2	[Pattern]	2		[Symbol]	[Symbol]		[Symbol]		5GY 4/1
3	[Pattern]	3		[Symbol]	[Symbol]	[Symbol]	10Y 3/1		
4	[Pattern]	4		[Symbol]	[Symbol]	[Symbol]	S		5GY 4/1
5	[Pattern]	5		[Symbol]	[Symbol]	[Symbol]			
6	[Pattern]	6		[Symbol]	[Symbol]	[Symbol]			
7	[Pattern]	7		[Symbol]	[Symbol]	[Symbol]	S		10Y 3/1
8	[Pattern]	8	[Symbol]	[Symbol]	[Symbol]				
9	[Pattern]	9	[Symbol]	[Symbol]	[Symbol]	I			
		CC				M			



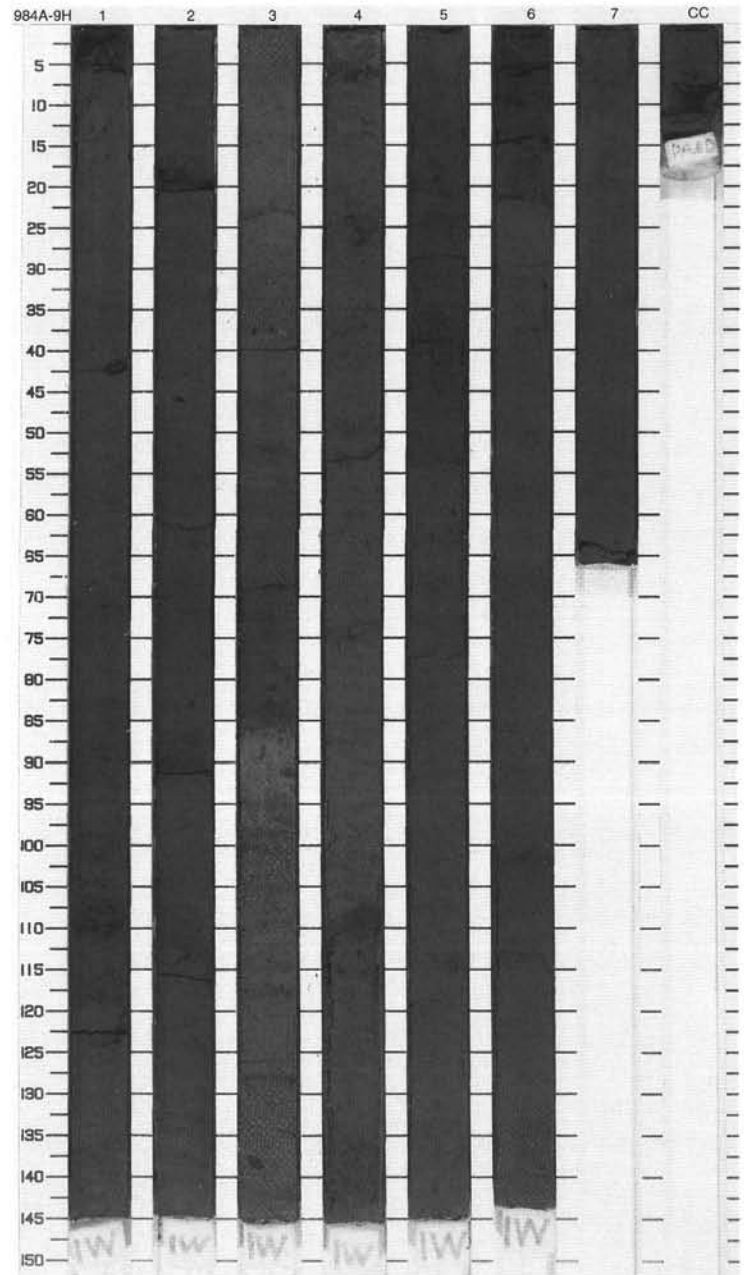
## SITE 984 HOLE A CORE 8H

CORED 62.1 - 71.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		—A —A		S	5Y 3/1	CLAY WITH NANNOFOSSILS AND SILT and NANNOFOSSIL CLAY MIXED SEDIMENT  General Description: This core contains dark gray (5Y 4/1) NANNOFOSSIL CLAY MIXED SEDIMENT alternating with very dark greenish gray (10Y 3/1) and very dark gray (5Y 3/1) CLAY WITH NANNOFOSSILS AND QUARTZ. The sediment is firm and slightly to moderately bioturbated throughout the entire core. A black 3.8-cm vesicular basalt dropstone occurs in Section 2, 26–28 cm. Ash layers are present in Section 1, 40 and 50 cm, in Section 2, 0–5 cm, in Section 3, 16–18 and 40–43 cm and in Section 4, 130–133 cm. All the ash layers have sharp lower contacts and gradational upper contacts, particularly in Section 3, 16–18 cm, where the ash layer has an erosional lower contact.
2		2		—A		I	10Y 3/1	
3		3		—A		I	5Y 3/1	
4		3		—A		I	10Y 3/1	
5		4	Pleistocene	—A		I	5Y 4/1	
6		4		—A		S	5Y 4/1	
7		5				I	10Y 3/1	
8		6				I	10Y 3/1	
9		7				I	5Y 3/1	
		CC				M	5Y 3/1	



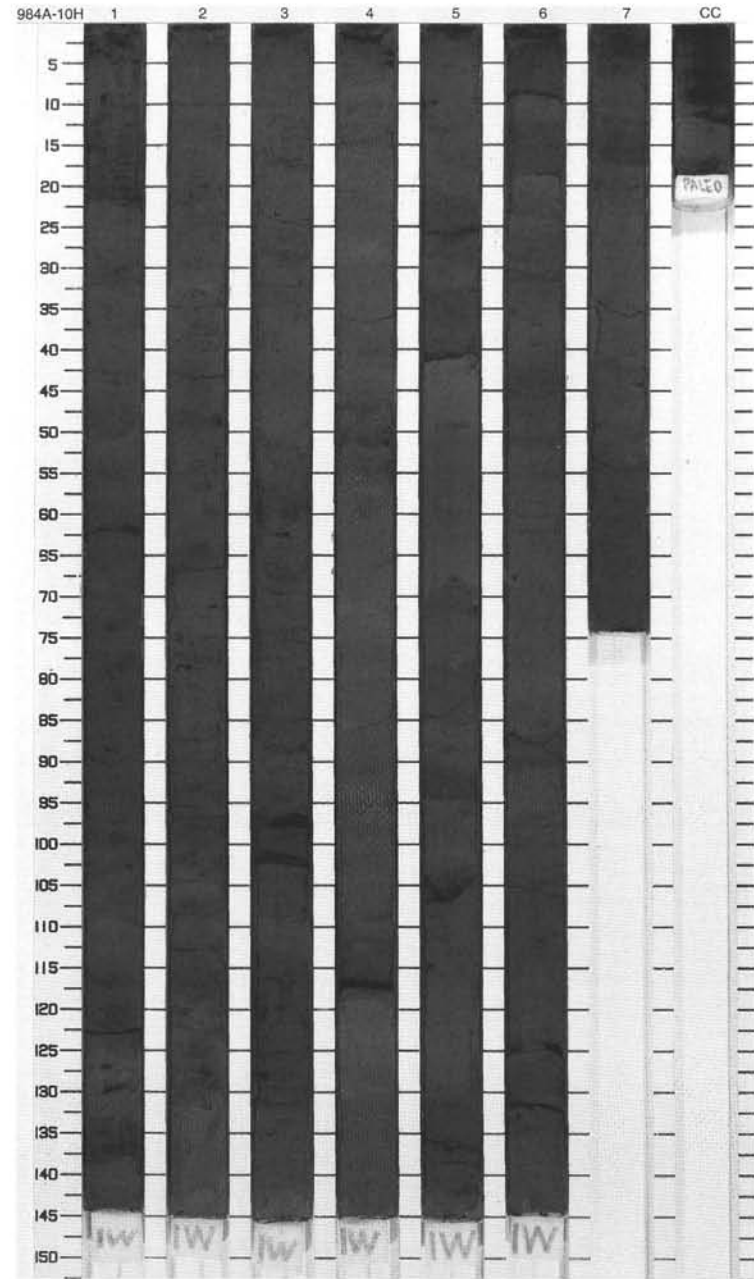
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		-A		S	10Y 3/1	<p>CLAY WITH SILT AND NANNOFOSSILS and CLAYEY NANNOFOSSIL MIXED SEDIMENT</p> <p>General Description:                      This core contains very dark greenish gray (10Y 3/1) CLAY WITH SILT AND NANNOFOSSILS alternating with dark gray (5Y 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT and dark gray (5Y 3/1) ash-rich layers. The sediment is firm, and slightly to moderately bioturbated throughout. ASH layers are present in Section 1, 0-5 cm, in Section 5, 39 cm and in Section 6, 5-6, 14-15, and 21-22 cm. These layers display sharp lower contacts and gradational upper ones. Faint green color bands occur throughout the core. A pyritized burrow is situated in Section 3, 139 cm. Coarser intervals occur in Section 1, 100-105 cm, in Section 4, 110-115 and 135-140 cm and in Section 6, 50-70 cm.</p>
2	[Pattern]	2				I		
3	[Pattern]	3				I	5Y 4/1	
4	[Pattern]	4	Pleistocene			S	10Y 3/1	
5	[Pattern]	5		-A		I	5Y 3/1	
6	[Pattern]	6		-A		I	10Y 3/1	
7	[Pattern]	7		-A		M	10Y 3/1	



SITE 984 HOLE A CORE 10H

CORED 81.1 - 90.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		-A -A }		I		<p>CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) and very dark gray (5Y 3/1) CLAY WITH SILT. Very dark (5Y 2/1) ASH layers are present in Section 1, 20-21 and 61-62 cm, in Section 3, 96-97 and 101-102 cm, in Section 4, 116-117 cm, in Section 5, 40-41 cm, and in Section 6, 9, 19, and 125-132 cm. All ASH layers have very sharp lower contacts and gradational upper ones. The sediment is firm and slightly to moderately bioturbated throughout.</p>
2	[Dotted pattern]	2		P }		S		
3	[Dotted pattern]	3		{ }		I	10Y 3/1	
4	[Dotted pattern]	4	Pleistocene	-A }		I		
5	[Dotted pattern]	5			{ }		S	
6	[Dotted pattern]	6		-A }		I	5Y 2/1 10Y 3/1	
7	[Dotted pattern]	7		-A -A }		I		
8	[Dotted pattern]	8		{ }		I	5Y 3/1	
9	[Dotted pattern]	9		{ }		I		
CC						M		

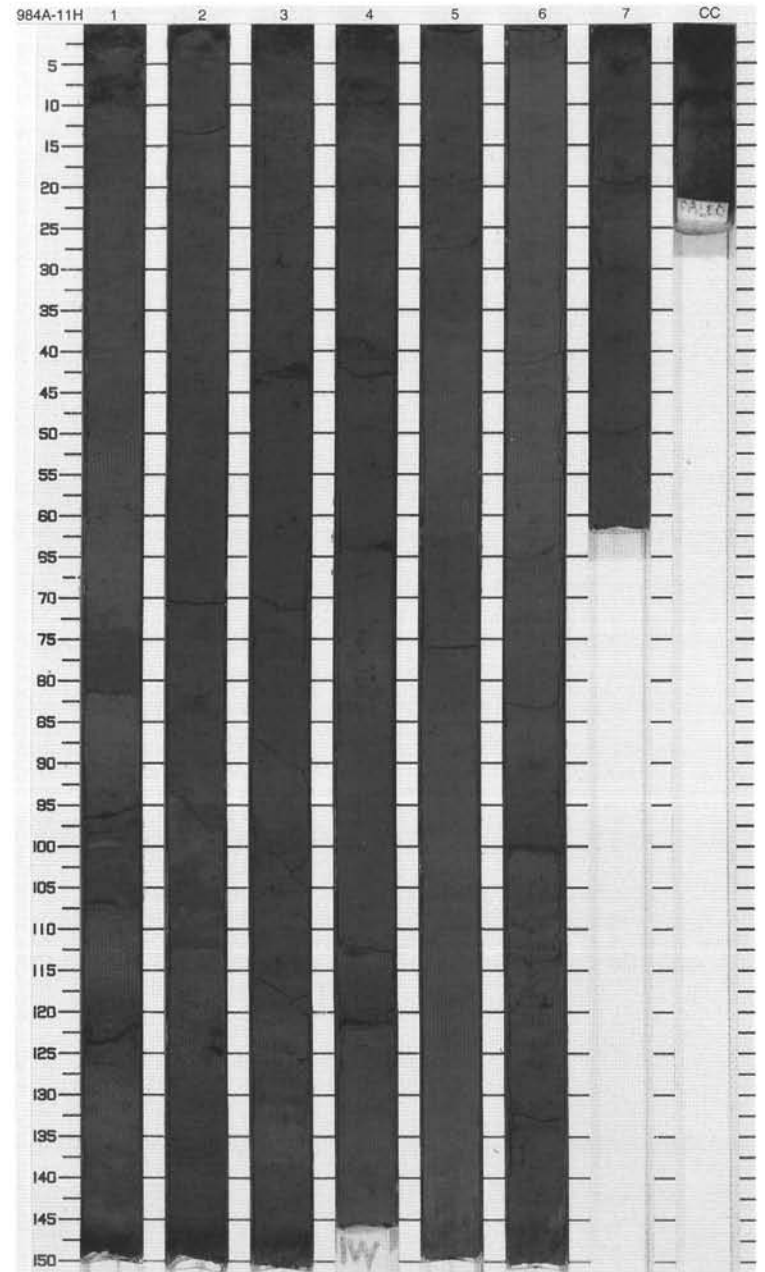




SITE 984 HOLE A CORE 11H

CORED 90.6 - 100.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	[Symbol]	I	S	10Y 3/1	CLAY and CLAY WITH SILT  General Description: This core contains very dark greenish gray (10Y 3/1) CLAY and very dark gray (5Y 3/1) CLAY WITH SILT. Dark (5Y 2/1) ASH layers are present in Section 1, 85 and 106 cm, in Section 2, 113 and 124 cm, in Section 3, 42-43 cm, in Section 4, 62-64 and 120-122 cm, and in Section 6, 100 cm. The ASH layers have sharp lower contacts and gradational upper contacts.
2	[Dotted pattern]	2		[Symbol]				
3	[Dotted pattern]	3		[Symbol]				
4	[Dotted pattern]	4		[Symbol]				
5	[Dotted pattern]	5		[Symbol]				
6	[Dotted pattern]	6		[Symbol]				
7	[Dotted pattern]	7		[Symbol]				
8	[Dotted pattern]	8		[Symbol]				
9	[Dotted pattern]	9		[Symbol]				
		CC				M	5Y 3/1 10Y 3/1	

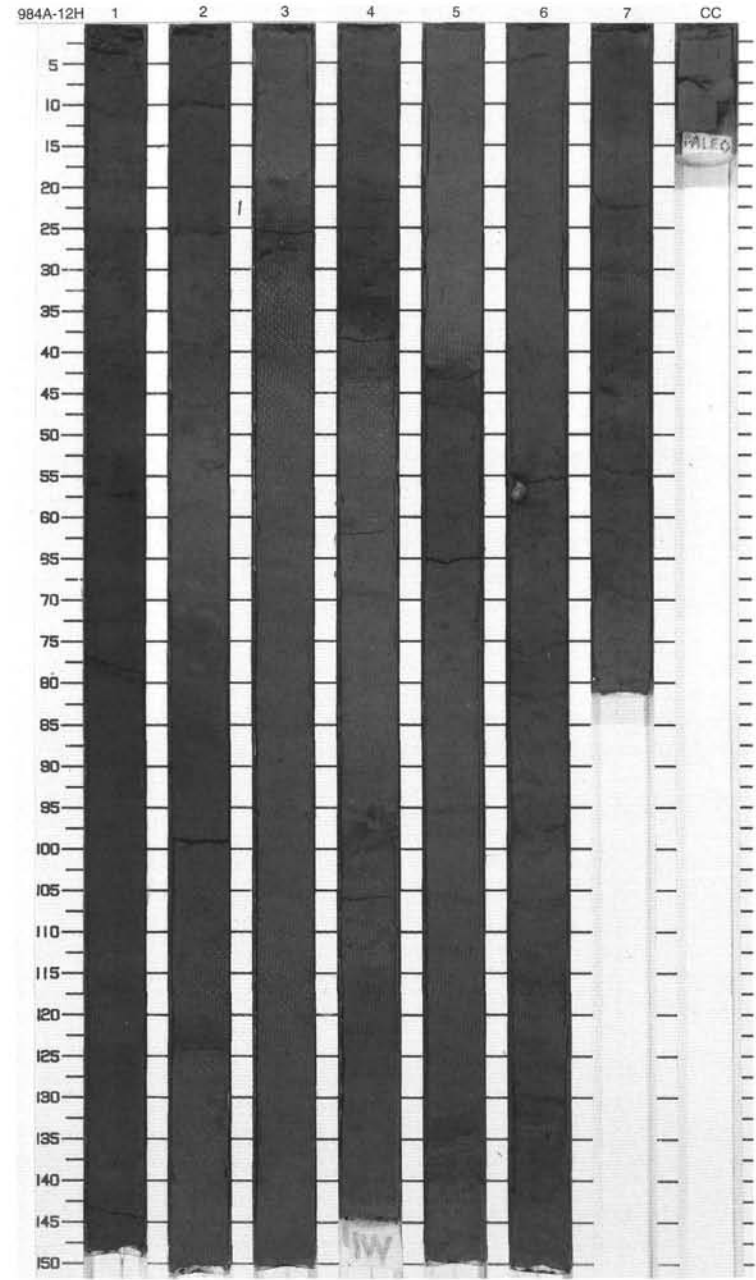




## SITE 984 HOLE A CORE 12H

CORED 100.1 - 109.6 mbsf

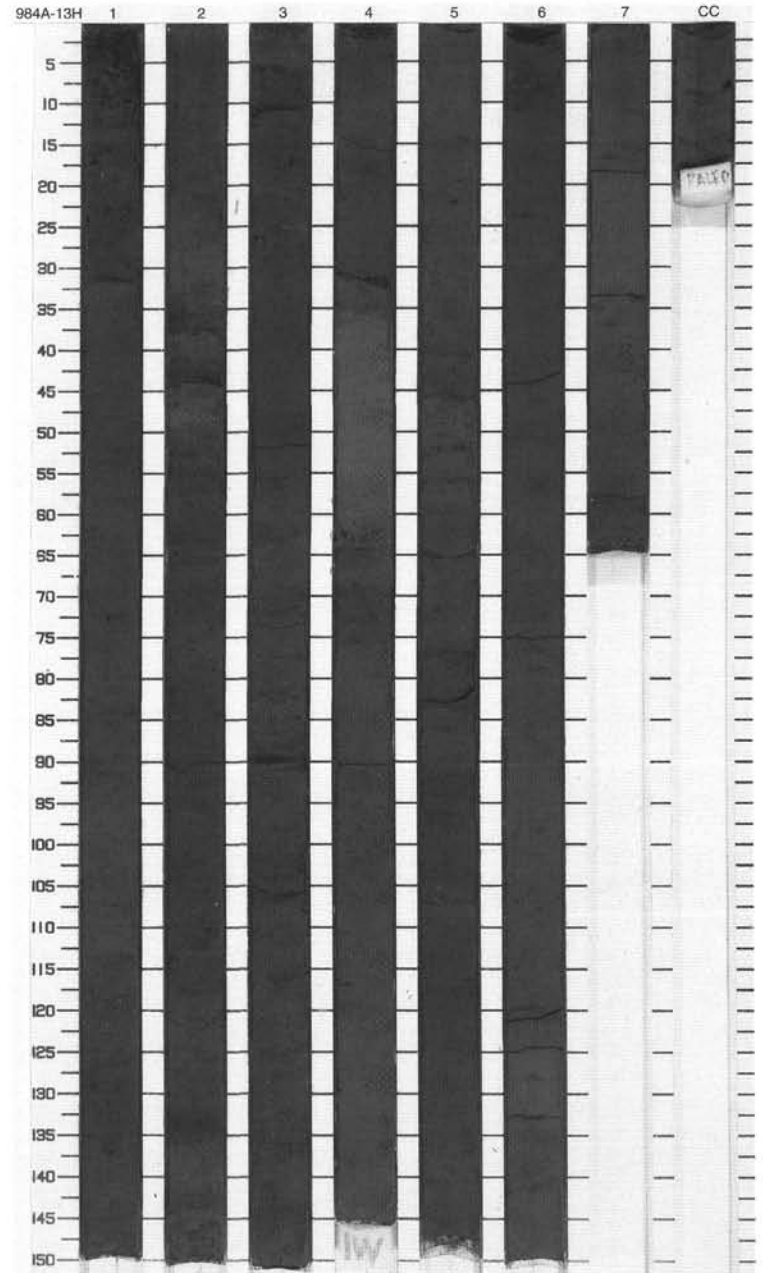
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		-A		S	5Y 3/1	CLAY WITH SILT and NANNOFOSSIL CLAY MIXED SEDIMENT  General Description: This core contains very dark greenish gray (10Y 3/1) and very dark gray (5Y 3/1) CLAY WITH SILT and dark greenish gray (5GY 4/1) NANNOFOSSIL CLAY MIXED SEDIMENT. Dark ASH layers are present in Section 1, 59 and 80 cm, in Section 2, 128-129 cm, in Section 3, 27-28 cm, in Section 4, 20-21, 24-25, and 32-36 cm, in Section 5, 41-46 cm and in Section 6, 4-5 and 130-131 cm. Each ASH layer shows a sharp lower contact and a very gradational upper one. Sediment is firm and slightly to moderately bioturbated throughout the entire core. A 2.5-cm-long light gray sandstone is situated in Section 6, 55-58 cm.
				A*				
				-A				
2		2		-A				
				-A				
3		3		-A		S	5GY 4/1	
				-A				
4		3		}}				
				}}				
5		4	Pleistocene	-A			5Y 3/1	
				}}			5GY 4/1	
6		6		}}		I	10Y 3/1	
				-A			5GY 4/1	
7		5		}}			5Y 3/1	
				}}				
8		5		-A				
				}}				
9		6		}}				
				}}				
		6		◇				
				-A			10Y 3/1	
				}}				
		7				M		



SITE 984 HOLE A CORE 13H

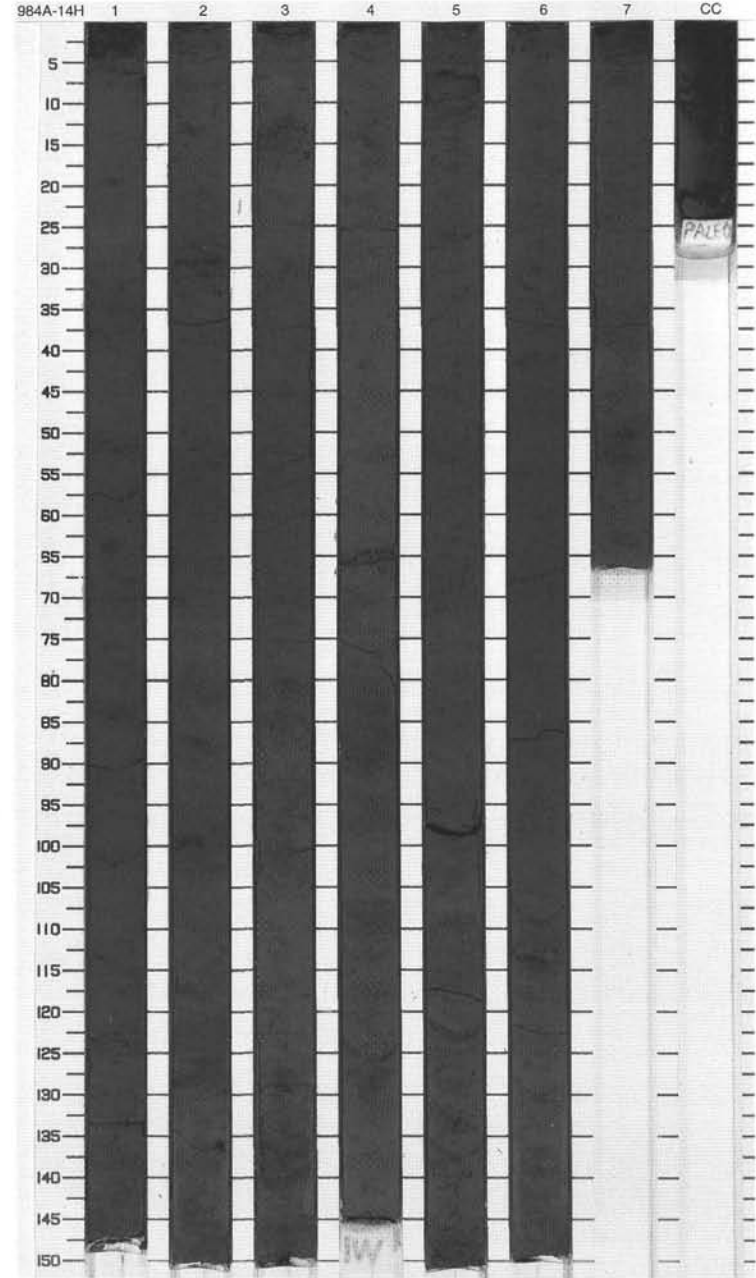
CORED 109.6 - 119.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	-A ~ ~ ~ ~ ~ ~		S	10Y 3/1	<p>SILTY CLAY and NANNOFOSSIL CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 5/3) SILTY CLAY and dark greenish gray (5GY 4/1) NANNOFOSSIL CLAY. Very dark gray ASH layers are situated in Section 1, 32 cm, in Section 2, 36-37, 43-44, 51-52, and 62-63 cm; in Section 3, 10-11 and 90-91 cm; in Section 4, 30-31 and 62-63 cm; in Section 5, 40-41, 45-46, 52-53 and 55-56 cm; and in Section 6, 120-121 cm. The ASH layers have sharp lower contacts and gradational, bioturbated, upper contacts. The sediment is very firm, and slightly bioturbated throughout the core.</p>
2	[Hatched pattern]	2		-A ~ ~ ~				
3	[Hatched pattern]	3		-A ~ ~				
4	[Hatched pattern]	3		-A ~ ~				
5	[Hatched pattern]	4		-A ~ ~ ~		S	5GY 4/1	
6	[Hatched pattern]	5		-A ~ ~ ~		I		
7	[Hatched pattern]	6		-A ~ ~ ~			10Y 3/1	
8	[Hatched pattern]	7	-A ~ ~					
9	[Hatched pattern]	7	-A ~ ~					
CC						M		



SITE 984 HOLE A CORE 14H CORED 119.1 - 128.6 mbsf

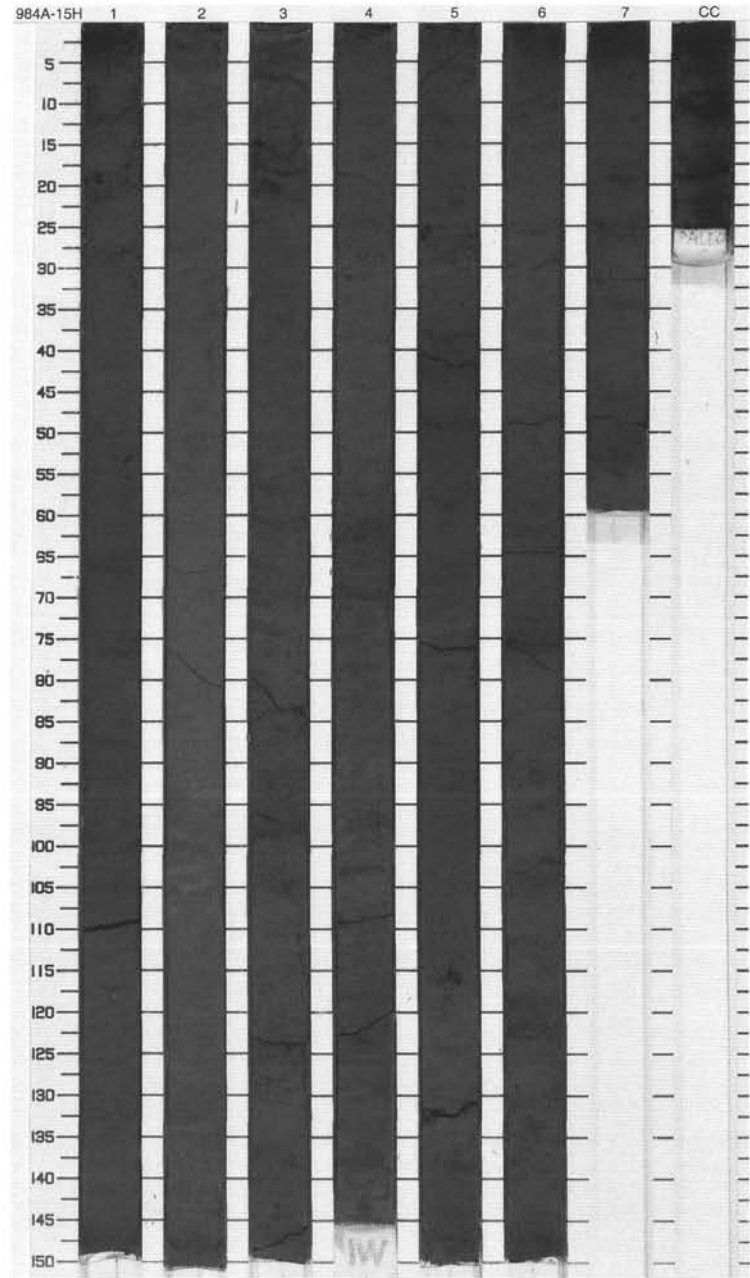
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		}}	I		5GY 3/1	<p>SILTY CLAY WITH ASH</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1 and 5GY 3/1) and dark olive gray (5GY 4/2) SILTY CLAY WITH ASH. Dark thin ASH layers are present in Section 2, 30-31 cm and in Section 4, 65-66 cm. An ash pod occurs in Section 2, 132 cm. The sediment is very firm, homogeneous, and slightly bioturbated throughout. Green and tan color bands occur in Sections 2, 5, and 6. Coarser intervals are situated in Section 1, 30-40 and 65-75 cm. The top of the core is slightly disturbed.</p>
2	[Hatched pattern]	2		}} -A			5GY 4/2	
3	[Hatched pattern]	3		}} A*	S		10Y 3/1	
4	[Hatched pattern]	4	Pleistocene	}} -A	I		5GY 4/2	
5	[Hatched pattern]	5		}} }}			10Y 3/1	
6	[Hatched pattern]	6		}} }}			5GY 4/2	
7	[Hatched pattern]	7		}}			10Y 3/1	
8	[Hatched pattern]			}}				
9	[Hatched pattern]			}}				
CC						M		



SITE 984 HOLE A CORE 15H

CORED 128.6 - 138.1 mbsf

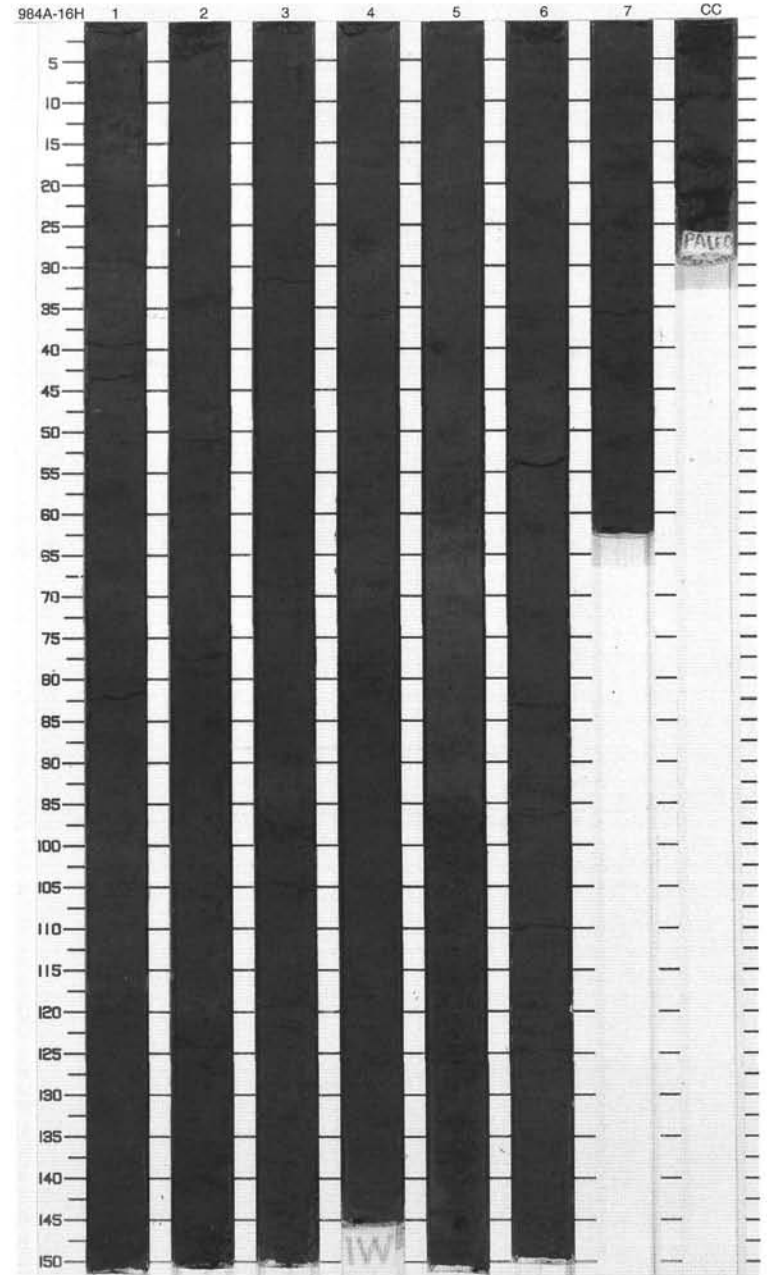
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		◇	A*		10Y 3/1	<p>CLAYEY SILT WITH BIOSILICA</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1 and 5GY 3/1) and dark greenish gray (5GY 4/1) CLAYEY SILT WITH BIOSILICA. The sediment is very firm and homogeneous. Slight to moderate bioturbation occurs throughout the core. Small (&lt; 1.0-cm) black shale dropstones are present in Section 1, 20 cm, in Section 3, 15 cm, and in Section 5, 25 and 116 cm. Green and tan color bands are dispersed throughout. Coarser intervals occur in Section 1, 0-15, 50-60, and 90-95 cm and in Section 4, 62-75 and 110-120 cm.</p>
2	[Hatched pattern]	2		~				
3	[Hatched pattern]	3		◇	A		5GY 4/1	
4	[Hatched pattern]	3		~		S		
5	[Hatched pattern]	4	Pleistocene	■				
6	[Hatched pattern]	4		~		I		
7	[Hatched pattern]	5		◇			5GY 3/1	
8	[Hatched pattern]	6		~	A			
9	[Hatched pattern]	6		~	A			
10	[Hatched pattern]	7		~	A			
11	[Hatched pattern]	7		~	A			
12	[Hatched pattern]	7		~	A			
13	[Hatched pattern]	7		~	A			
14	[Hatched pattern]	7		~	A			
15	[Hatched pattern]	7		~	A			
16	[Hatched pattern]	7		~	A			
17	[Hatched pattern]	7		~	A			
18	[Hatched pattern]	7		~	A			
19	[Hatched pattern]	7		~	A			
20	[Hatched pattern]	7		~	A			
21	[Hatched pattern]	7		~	A			
22	[Hatched pattern]	7		~	A			
23	[Hatched pattern]	7		~	A			
24	[Hatched pattern]	7		~	A			
25	[Hatched pattern]	7		~	A			
26	[Hatched pattern]	7		~	A			
27	[Hatched pattern]	7		~	A			
28	[Hatched pattern]	7		~	A			
29	[Hatched pattern]	7		~	A			
30	[Hatched pattern]	7		~	A			
31	[Hatched pattern]	7		~	A			
32	[Hatched pattern]	7		~	A			
33	[Hatched pattern]	7		~	A			
34	[Hatched pattern]	7		~	A			
35	[Hatched pattern]	7		~	A			
36	[Hatched pattern]	7		~	A			
37	[Hatched pattern]	7		~	A			
38	[Hatched pattern]	7		~	A			
39	[Hatched pattern]	7		~	A			
40	[Hatched pattern]	7		~	A			
41	[Hatched pattern]	7		~	A			
42	[Hatched pattern]	7		~	A			
43	[Hatched pattern]	7		~	A			
44	[Hatched pattern]	7		~	A			
45	[Hatched pattern]	7		~	A			
46	[Hatched pattern]	7		~	A			
47	[Hatched pattern]	7		~	A			
48	[Hatched pattern]	7		~	A			
49	[Hatched pattern]	7		~	A			
50	[Hatched pattern]	7		~	A			
51	[Hatched pattern]	7		~	A			
52	[Hatched pattern]	7		~	A			
53	[Hatched pattern]	7		~	A			
54	[Hatched pattern]	7		~	A			
55	[Hatched pattern]	7		~	A			
56	[Hatched pattern]	7		~	A			
57	[Hatched pattern]	7		~	A			
58	[Hatched pattern]	7		~	A			
59	[Hatched pattern]	7		~	A			
60	[Hatched pattern]	7		~	A			
61	[Hatched pattern]	7		~	A			
62	[Hatched pattern]	7		~	A			
63	[Hatched pattern]	7		~	A			
64	[Hatched pattern]	7		~	A			
65	[Hatched pattern]	7		~	A			
66	[Hatched pattern]	7		~	A			
67	[Hatched pattern]	7		~	A			
68	[Hatched pattern]	7		~	A			
69	[Hatched pattern]	7		~	A			
70	[Hatched pattern]	7		~	A			
71	[Hatched pattern]	7		~	A			
72	[Hatched pattern]	7		~	A			
73	[Hatched pattern]	7		~	A			
74	[Hatched pattern]	7		~	A			
75	[Hatched pattern]	7		~	A			
76	[Hatched pattern]	7		~	A			
77	[Hatched pattern]	7		~	A			
78	[Hatched pattern]	7		~	A			
79	[Hatched pattern]	7		~	A			
80	[Hatched pattern]	7		~	A			
81	[Hatched pattern]	7		~	A			
82	[Hatched pattern]	7		~	A			
83	[Hatched pattern]	7		~	A			
84	[Hatched pattern]	7		~	A			
85	[Hatched pattern]	7		~	A			
86	[Hatched pattern]	7		~	A			
87	[Hatched pattern]	7		~	A			
88	[Hatched pattern]	7		~	A			
89	[Hatched pattern]	7		~	A			
90	[Hatched pattern]	7		~	A			
91	[Hatched pattern]	7		~	A			
92	[Hatched pattern]	7		~	A			
93	[Hatched pattern]	7		~	A			
94	[Hatched pattern]	7		~	A			
95	[Hatched pattern]	7		~	A			
96	[Hatched pattern]	7		~	A			
97	[Hatched pattern]	7		~	A			
98	[Hatched pattern]	7		~	A			
99	[Hatched pattern]	7		~	A			
100	[Hatched pattern]	7		~	A			
101	[Hatched pattern]	7		~	A			
102	[Hatched pattern]	7		~	A			
103	[Hatched pattern]	7		~	A			
104	[Hatched pattern]	7		~	A			
105	[Hatched pattern]	7		~	A			
106	[Hatched pattern]	7		~	A			
107	[Hatched pattern]	7		~	A			
108	[Hatched pattern]	7		~	A			
109	[Hatched pattern]	7		~	A			
110	[Hatched pattern]	7		~	A			
111	[Hatched pattern]	7		~	A			
112	[Hatched pattern]	7		~	A			
113	[Hatched pattern]	7		~	A			
114	[Hatched pattern]	7		~	A			
115	[Hatched pattern]	7		~	A			
116	[Hatched pattern]	7		~	A			
117	[Hatched pattern]	7		~	A			
118	[Hatched pattern]	7		~	A			
119	[Hatched pattern]	7		~	A			
120	[Hatched pattern]	7		~	A			
121	[Hatched pattern]	7		~	A			
122	[Hatched pattern]	7		~	A			
123	[Hatched pattern]	7		~	A			
124	[Hatched pattern]	7		~	A			
125	[Hatched pattern]	7		~	A			
126	[Hatched pattern]	7		~	A			
127	[Hatched pattern]	7		~	A			
128	[Hatched pattern]	7		~	A			
129	[Hatched pattern]	7		~	A			
130	[Hatched pattern]	7		~	A			
131	[Hatched pattern]	7		~	A			
132	[Hatched pattern]	7		~	A			
133	[Hatched pattern]	7		~	A			
134	[Hatched pattern]	7		~	A			
135	[Hatched pattern]	7		~	A			
136	[Hatched pattern]	7		~	A			
137	[Hatched pattern]	7		~	A			
138	[Hatched pattern]	7		~	A			
139	[Hatched pattern]	7		~	A			
140	[Hatched pattern]	7		~	A			
141	[Hatched pattern]	7		~	A			
142	[Hatched pattern]	7		~	A			
143	[Hatched pattern]	7		~	A			
144	[Hatched pattern]	7		~	A			
145	[Hatched pattern]	7		~	A			
146	[Hatched pattern]	7		~	A			
147	[Hatched pattern]	7		~	A			
148	[Hatched pattern]	7		~	A			
149	[Hatched pattern]	7		~	A			
150	[Hatched pattern]	7		~	A			



## SITE 984 HOLE A CORE 16H

CORED 138.1 - 147.6 mbsf

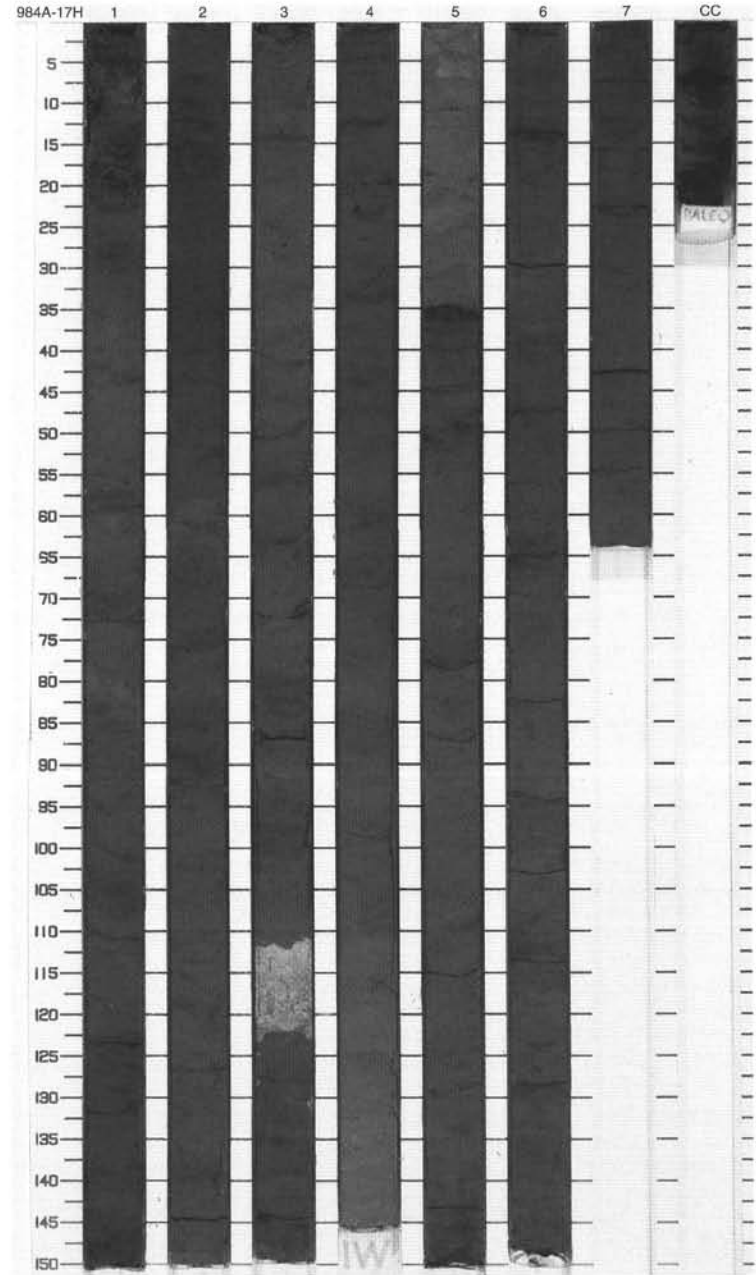
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		○ ○		S	5GY 3/1	<p>SILTY CLAY and CLAY WITH SILT AND NANNOFOSSILS</p> <p>General Description: This core contains very dark greenish gray (10Y 2.5/1, 10Y 3/1, and 5GY 3/1) SILTY CLAY and dark greenish gray (5GY 4/1) CLAY WITH SILT AND NANNOFOSSILS. The sediment is very firm and homogeneous. All color changes are gradational. Green and tan color bands are dispersed in all sections. Slight bioturbation occurs throughout. A 1.1-cm diorite dropstone occurs in Section 5, 40 cm. Coarser sediment occurs in Section 1, 0-30 cm.</p>
2		2				S		
3		3					10Y 3/1	
4		4	Pleistocene					
5		5				S	5GY 4/1	
6		6					5Y 2.5/1	
7		7						
CC		CC				M		



SITE 984 HOLE A CORE 17H

CORED 147.6 - 157.1 mbsf

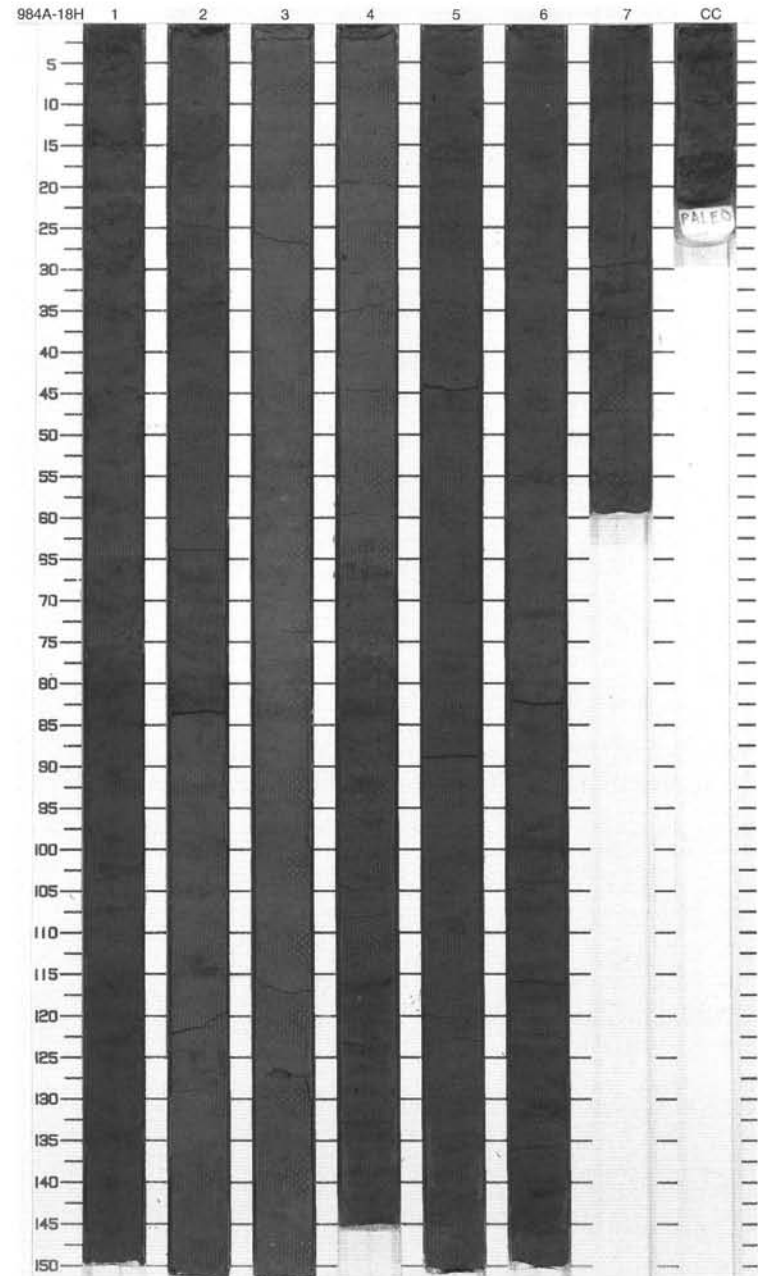
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Hatched pattern]	1	Pleistocene	}			5GY 3/1	SILTY CLAY NANNOFOSSIL MIXED SEDIMENT and CLAYEY SILT WITH NANNOFOSSIL  General Description: This core contains dark greenish gray (5GY 3/1) SILTY CLAY NANNOFOSSIL MIXED SEDIMENT and greenish gray (5G 5/1) CLAYEY SILT WITH NANNOFOSSIL. An ASH layer with sharp upper and lower contacts occurs in Section 3, 111-123. Section 1, 0-15 cm is slightly soft and black in color. Several greenish gray (5G 5/1) layers display gradational upper contacts and sharp lower contacts. Slight bioturbation occurs within several sections, and moderate bioturbation occurs at the top of Section 5. Disseminated pyrite occurs in Section 3.	
2	[Hatched pattern]	2							
3	[Hatched pattern]	3							
4	[Hatched pattern]	4							
5	[Hatched pattern]	5							
6	[Hatched pattern]	6							5G 5/1
7	[Hatched pattern]	7							5GY 3/1
8	[Hatched pattern]	8							S
9	[Hatched pattern]	9							10Y 3/1
CC						M			



## SITE 984 HOLE A CORE 18H

CORED 157.1 - 166.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1					5GY 3/1	<p>SILTY CLAY and CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT</p> <p>General Description: This core contains firm, homogeneous, very dark greenish gray (5GY 3/1) SILTY CLAY alternating with very dark gray (5GY 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT. The color changes are gradational and thin green to dark green color bands occur in several sections. The content of coarse particles (probably foraminifers) increases in Section 3, 20-140 cm and from Section 7, 35 cm to CC, 16 cm. Some mm-sized burrows filled with light sediment are present throughout most of the core.</p>
2		2						
3		3				S	5GY 4/1	
4		4						
5		5						
6		6				I		
7		7				S	5GY 3/1	
8		8						
9		9						
CC		CC				M		

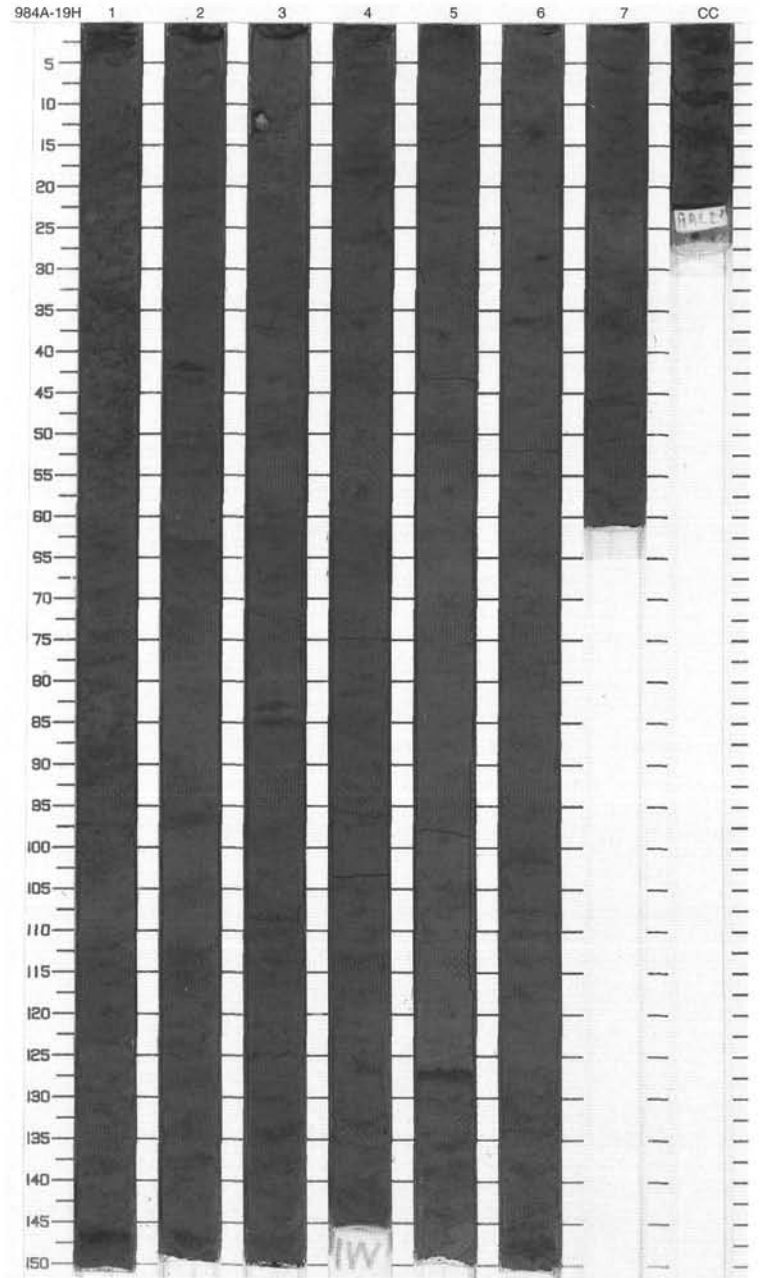




SITE 984 HOLE A CORE 19H

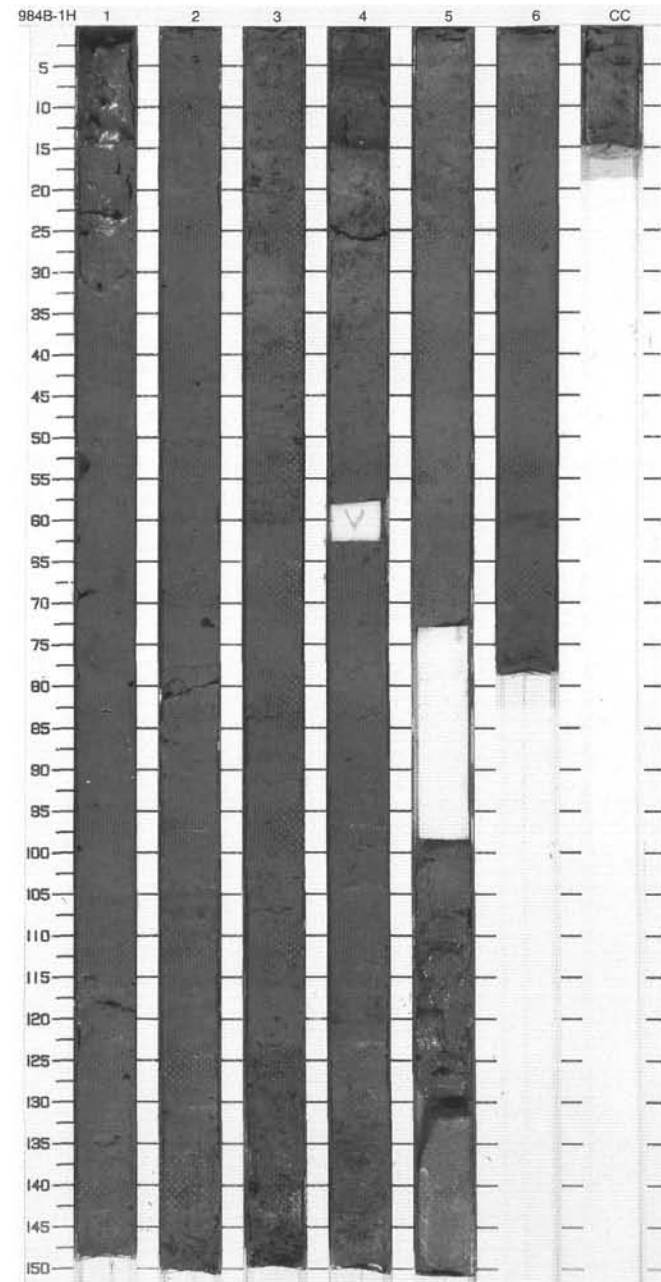
CORED 166.6 - 176.1 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1			S		<p>CLAYEY SILT WITH NANNOFOSSIL and SILTY CLAY WITH NANNOFOSSIL</p> <p>General Description: This core contains dark greenish gray (5GY 3/1) CLAYEY SILT WITH NANNOFOSSIL and very dark greenish gray (10Y 3/1) SILTY CLAY WITH NANNOFOSSIL. The sediment is very firm. A dropstone (&lt; 2 cm) occurs in Section 3, 14 cm and a small dropstone (&lt; 0.3 cm) at Section 2, 60 cm. The color changes are gradational. Dark green color bands are present throughout the core. Section 2, 45-60 cm contains coarser, foraminifer-rich, sediment. Slight bioturbation occurs throughout. Disseminated pyrite and pyrite concretion occur in several layers.</p>
2	[Hatched pattern]	2	⊙ ⊙ ~ P			5GY 3/1	
3	[Hatched pattern]	3	~				
4	[Hatched pattern]	3	~				
5	[Hatched pattern]	4	~			10Y 3/1	
6	[Hatched pattern]	4	~		I		
7	[Hatched pattern]	5	~ P				
8	[Hatched pattern]	6	⊙ ⊙ ~		S		
9	[Hatched pattern]	6	~			5GY 3/1	
	[Hatched pattern]	7	~				
	[Hatched pattern]	CC			M		



SITE 984 HOLE B CORE 1H CORED 0.0 - 8.5 mbsf

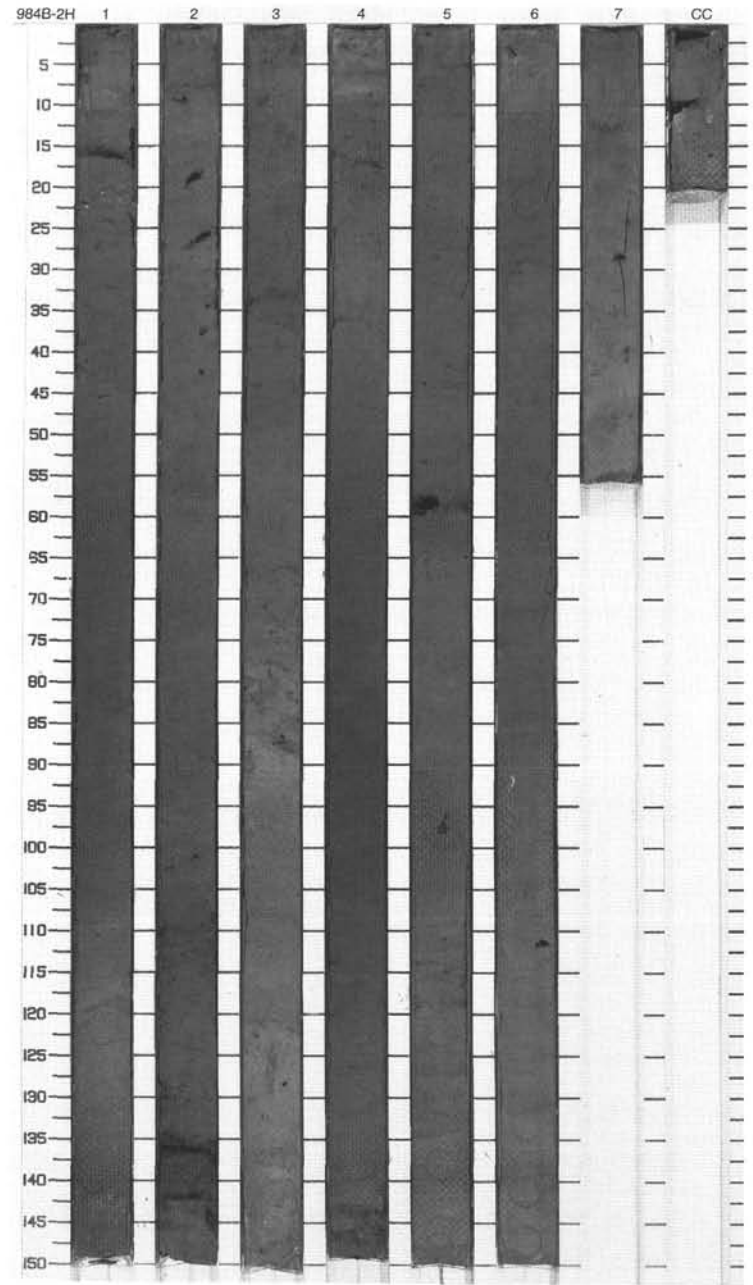
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	Pleistocene	}	W	S	10Y 4/1	<p>NANNOFOSSIL CLAY WITH ASH and SILTY CLAY</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) NANNOFOSSIL CLAY WITH ASH and dark gray (5Y 4/1) SILTY CLAY. Foraminifers are a minor component in the NANNOFOSSIL CLAY WITH ASH. The SILTY CLAY has minimal biogenic sediment. Color mottling and slight bioturbation occur throughout. The color changes are gradational. ASH layers (2-5-cm-thick) with sharp bases and gradational tops occur throughout Section 4, and at the base of Section 6. A scoria pebble (1.1 cm) occurs in Section 2, 72 cm. The uppermost 30 cm of Section 1 is very disturbed, and the lower 70 cm of Section 5 is soupy.</p>
2	[Pattern]	2						
3	[Pattern]	3		}				
4	[Pattern]	4						
5	[Pattern]	5		-A				
6	[Pattern]	6						
7	[Pattern]	7		}	O O O O		10Y 4/1	
8	[Pattern]	8						
		CC				M		



SITE 984 HOLE B CORE 2H

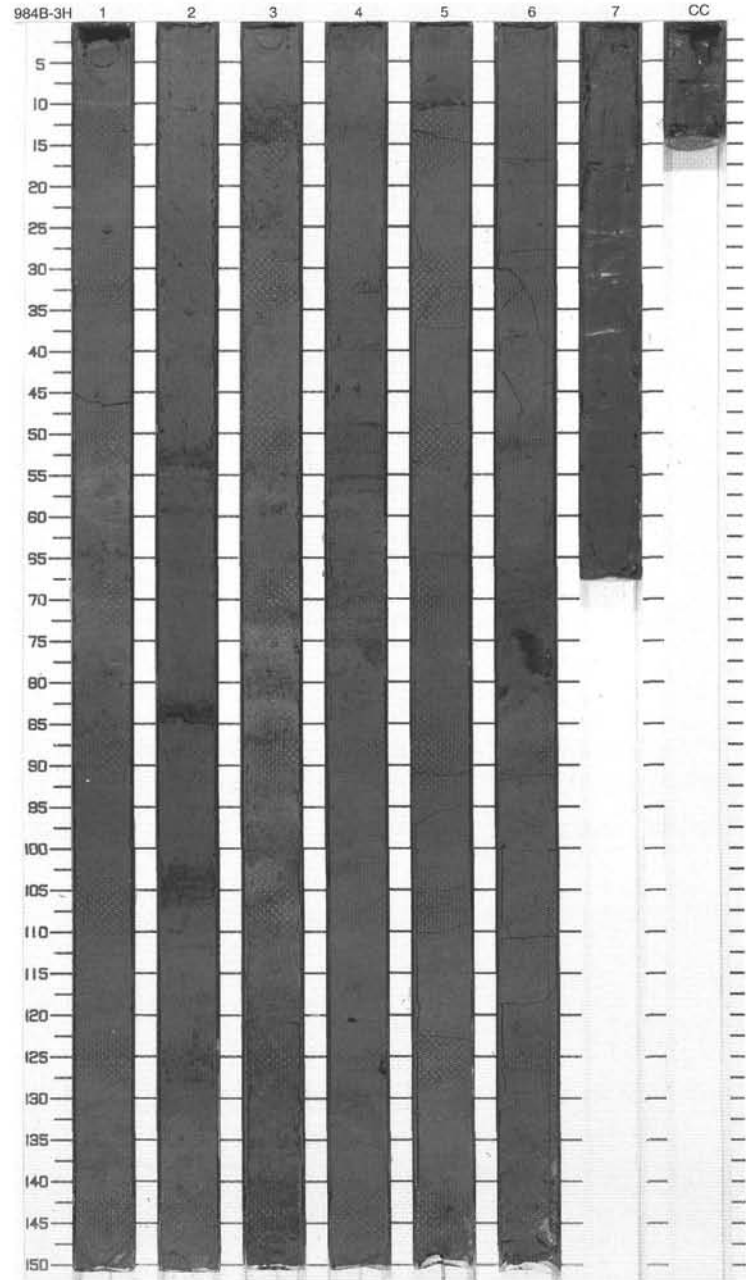
CORED 8.5 - 18.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		-A P	I	S	10Y 3/1 To 10Y 4/1	CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SPICULES, SILTY NANNOFOSSIL MIXED SEDIMENT WITH CLAY and NANNOFOSSIL OOZE WITH CLAY AND SILT
2		2		P				General Description: This core contains very dark greenish gray to gray (10Y 3/1 to 10Y 4/1) SILTY NANNOFOSSIL MIXED SEDIMENT WITH CLAY alternating with dark greenish gray (5GY 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SPICULES and dark gray (5Y 4/1) NANNOFOSSIL OOZE WITH CLAY AND SILT. The color changes are gradational, with the exception of ash layers. These volcanic ash layers are present in Section 1, 15-16 cm, in Section 2, 135.5-142 cm (sharp base), and in Section 5, 58-60 cm (heavily bioturbated). An ash pod is present in Section 3, 86-87 cm. The core is slightly bioturbated in several sections, and some unfilled burrows occur in Section 2, 17-102 cm. A 2-cm-sized basaltic dropstone is present in Section 5, 97-98 cm.
3		3		-A			5Y 4/1	
4		4	Pleistocene	A*		S	5GY 4/1	
5		5		P		S	5Y 4/1	
6		6		-A			10Y 4/1	
7		7		P			5Y 3/1	
8		8		P			5Y 4/1	
9		9		P				
		CC				M		



SITE 984 HOLE B CORE 3H CORED 18.0 - 27.5 mbsf

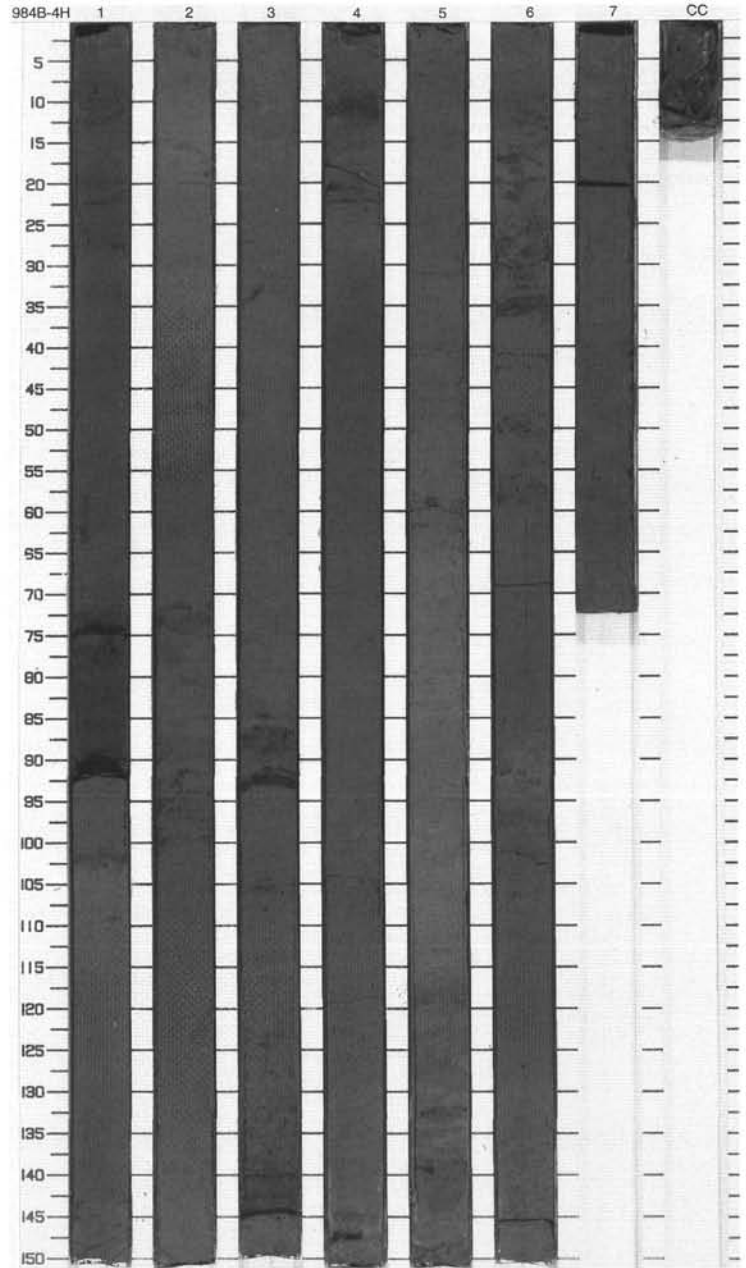
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	>>> } }		S	10Y 4/1 5Y 4/1 10Y 4/1	SILTY CLAY WITH QUARTZ and SILTY CLAY  General Description: This core contains very dark greenish to dark greenish gray (10Y 3/1 to 10Y 4/1) SILTY CLAY WITH QUARTZ and dark gray (5Y 4/1) SILTY CLAY.
2	[Hatched pattern]	2	— P				Section 6, 68–82 cm contains volcanic ash and pyrite rich black color bands. Color change is very gradational and shows alternating variation of two dominant colors. Slight bioturbation and disseminated pyrite occur in several layers.
3	[Hatched pattern]	3	— P } P			5Y 4/1	
4	[Hatched pattern]	4	— P		S		
5	[Hatched pattern]	4	— P				
6	[Hatched pattern]	5	— P			10Y 4/1	
7	[Hatched pattern]	7	— P				
8	[Hatched pattern]	6	— P				
9	[Hatched pattern]	7	— P		M	10Y 3/1	



SITE 984 HOLE B CORE 4H

CORED 27.5 - 37.0 mbsf

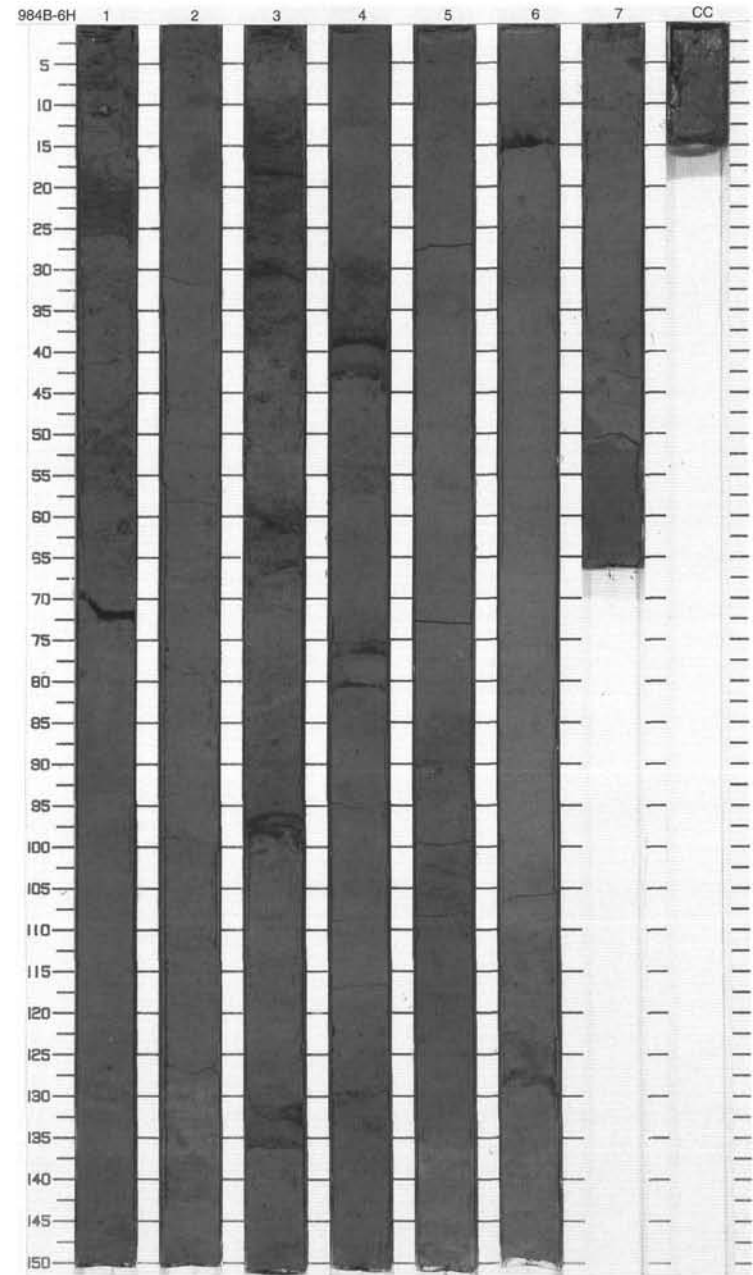
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]			P		S	5Y 3/1	<p>NANNOFOSSIL CLAY WITH SILT and SILTY CLAY WITH NANNOFOSSIL</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) NANNOFOSSIL CLAY WITH SILT alternating with very dark gray (5Y 3/1) SILTY CLAY WITH NANNOFOSSIL. This core contains several thick color bands. All color changes are gradational. Slight to moderate bioturbation occurs in several sections. Disseminated pyrite and pyrite concretions occur in several layers.</p>
2	[Pattern]			P			10Y 3/1	
3	[Pattern]			P				
4	[Pattern]			P				
5	[Pattern]	Pleistocene		P			5Y 3/1	
6	[Pattern]			P		S	10Y 4/1	
7	[Pattern]			P			10Y 3/1	
8	[Pattern]			P			10Y 4/1	
9	[Pattern]			P				
10	[Pattern]			P				







Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		~				<p>CLAY WITH SILT and NANNOFOSSIL CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) CLAY WITH SILT alternating with very dark gray (5Y 3/1) and dark gray (5Y 4/1) NANNOFOSSIL CLAY. ASH-rich layers are present in Section 3, 18-19, 30-31, 60-62, 67-68, and 135-136 cm, in Section 4, 39-40, 43-44, and 81-82 cm and in Section 6, 14-15 cm. The sediment is firm, homogeneous, and slightly to moderately bioturbated throughout the entire core. A 1.5-cm-long black basalt dropstone is situated in Section 1, 10-11 cm. A pyrite concretion is present in Section 1, 60-61 cm. Coarser intervals are present in Section 1, 20-50 cm, in Section 2, 10-70 and 95-100 cm and in Section 5, 50-65 cm.</p>
2	[Dotted pattern]	2		~		S	10Y 3/1	
3	[Dotted pattern]	3		~			5Y 3/1	
4	[Dotted pattern]	3		~			5Y 4/1	
5	[Dotted pattern]	4	Pleistocene	~			10Y 3/1	
6	[Dotted pattern]	5		~			10Y 3/1	
7	[Dotted pattern]	6		~		S	5Y 3/1	
8	[Dotted pattern]	6		~			5Y 3/1	
9	[Dotted pattern]	7		~		M		

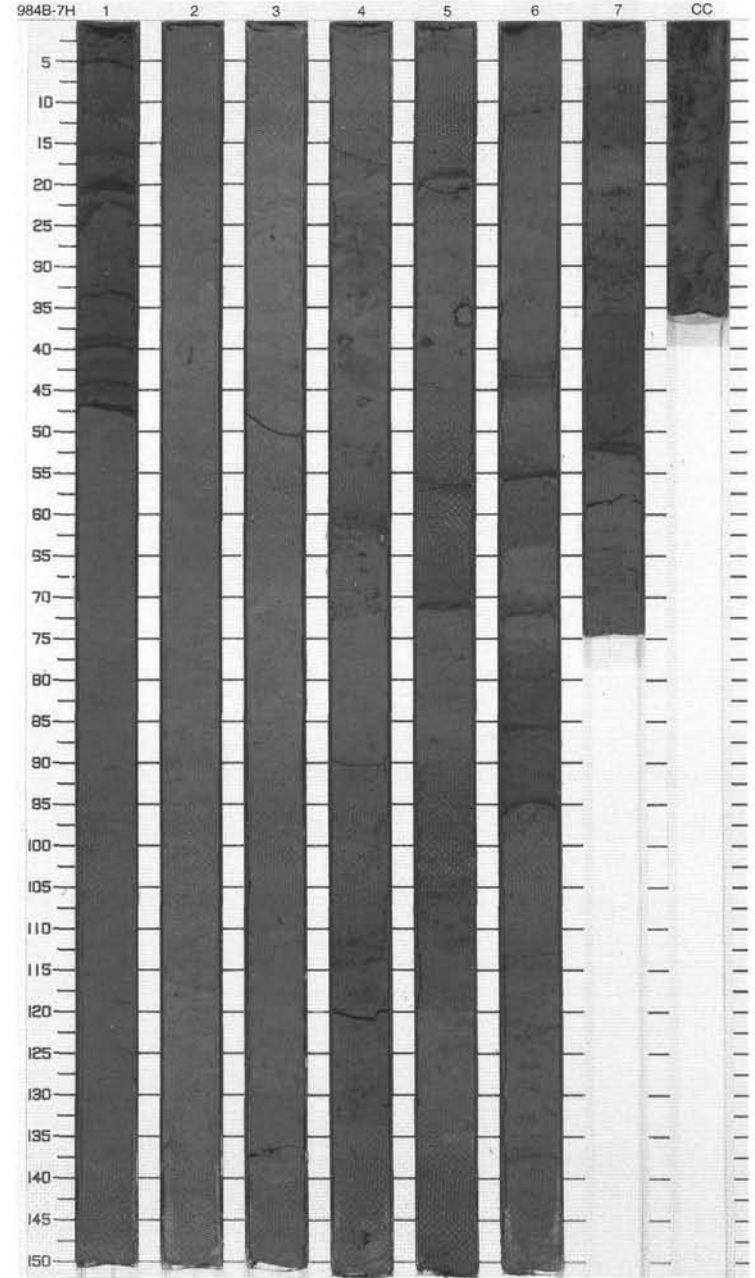




SITE 984 HOLE B CORE 7H

CORED 56.0 - 65.5 mbsf

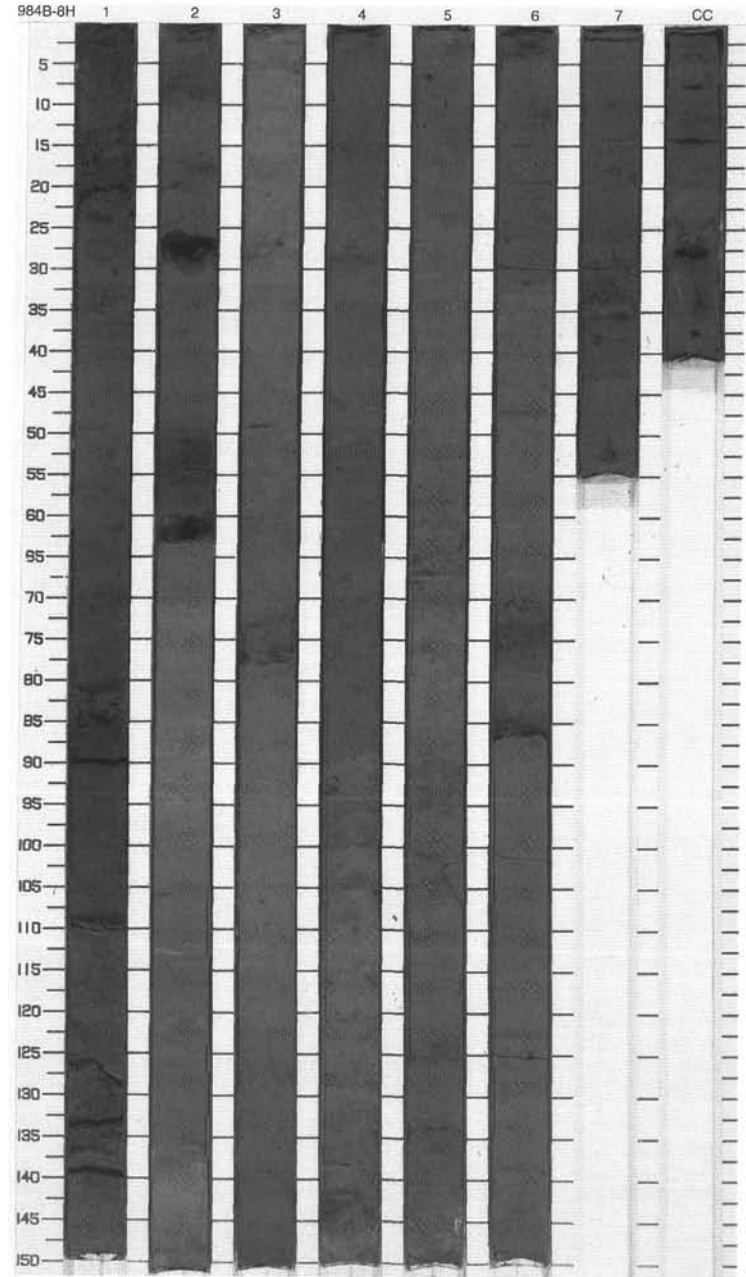
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0-1	[Pattern]	1	Pleistocene	-A -A	S	S	10Y 3/1	<p>CLAY WITH SILT AND NANNOFOSSILS and CLAYEY NANNOFOSSIL MIXED SEDIMENT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) and very dark greenish (5Y 3/1) CLAY WITH SILT AND NANNOFOSSILS alternating with dark greenish gray (10Y 4/1) and dark gray (5Y 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT. Ash layers are present in Section 1, 5-6, 20-21, 34-35, 40-41, and 46-47 cm, in Section 5, 18-19 and 70-71 cm, in Section 6, 55-56, 71-72, 85-86, and 95-96 cm and in Section 7, 55-56 cm. A very sharp erosional contact is situated below an ash layer, in Section 1, 47 cm. The sediment is firm, homogeneous, and slightly to moderately bioturbated throughout. Greenish and tan color bands are dispersed throughout core. Coarser layers are situated in Section 4, 65-70 cm and in Section 5, 90-110 cm.</p> <p>Dropstones: Section 4 - 32 cm: 1.3-cm gray sandstone; 60 cm: 1.3-cm black subangular basalt Section 5 - 37 cm; 1.0-cm black subangular basalt; 35 cm, 2.0-cm quartzite.</p>
1-2	[Pattern]	2		10Y 4/1				
2-3	[Pattern]	3		P				
3-4	[Pattern]	4						
4-5	[Pattern]	5						
5-6	[Pattern]	6		-A -A				
6-7	[Pattern]	7		-A				
7-8	[Pattern]	6	-A -A	S	5Y 3/1			
8-9	[Pattern]	7	-A	S	10Y 3/1			
9-10	[Pattern]	7	-A	S	5Y 3/1			
10	[Pattern]	CC		M	10Y 3/1			



SITE 984 HOLE B CORE 8H

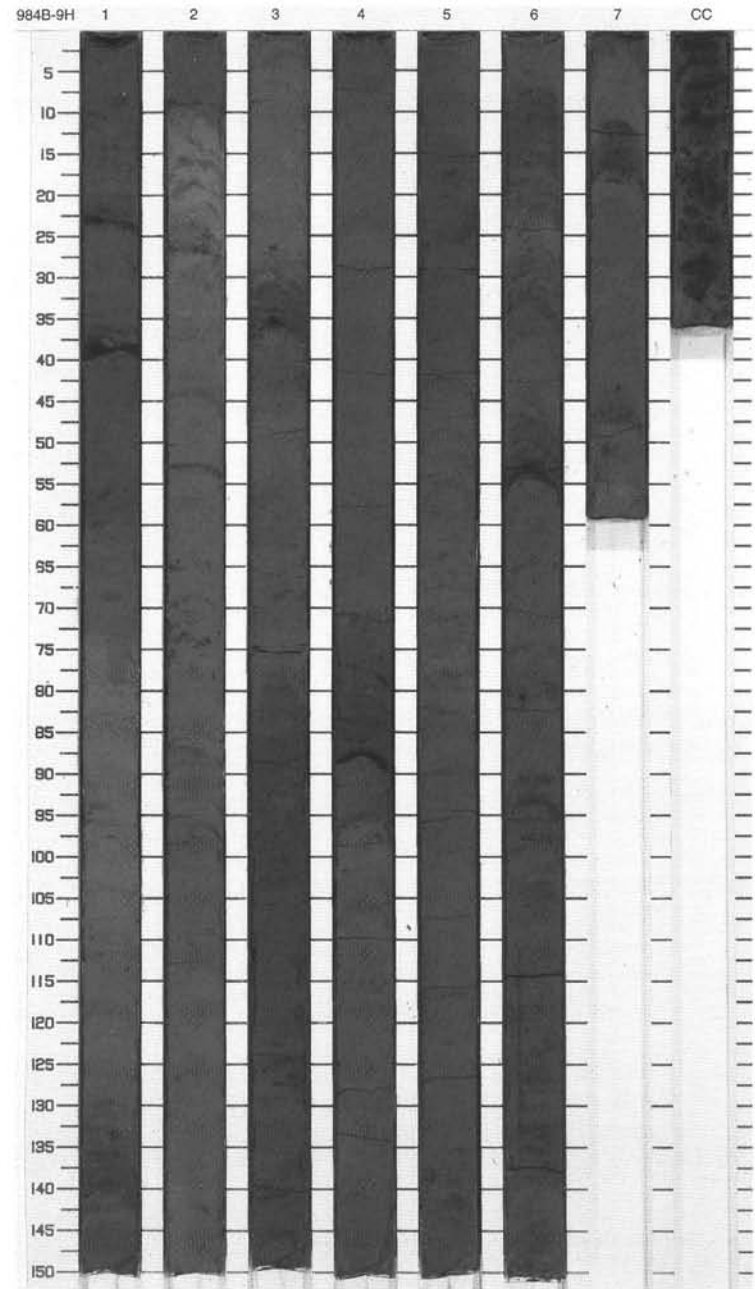
CORED 65.5 - 75.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		-A A*		S	5Y 3/1	<p>CLAYEY NANNOFOSSIL MIXED SEDIMENT and CLAY WITH SILT</p> <p><b>General Description:</b> This core contains dark greenish gray (10Y 4/1) and dark gray (5Y 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT alternating with very dark gray (5Y 3/1) CLAY WITH SILT. The upper part of the core is composed of very dark gray (5Y 3/1) SILTY CLAY. ASH-rich layers are situated in Section 1, 20-21 cm, in Section 2, 27 and 63 cm, and in Section 6, 85-86 cm. Ash pods are present in Section 1, 30 cm. Green and tan color bands are dispersed throughout the entire core. The sediment is firm, homogeneous, and slightly to moderately bioturbated. A sharp color contact occurs in Section 2, 140 cm. Coarser layers are present in Section 1, 0-20 and 80-140 cm, in Section 3, 73-80 cm, in Section 5, 60-65, 90-95, and 100-105 cm, and in Section 7, 30-35 cm.</p>
2	[Pattern]	2		-A		S	5Y 4/1	
3	[Pattern]	3		-A		S	10Y 4/1 To 5Y 4/1	
4	[Pattern]	3		-A		S	10Y 4/1 To 5Y 4/1	
5	[Pattern]	4	Pleistocene	-A		S	5Y 4/1	
6	[Pattern]	4	Pleistocene	-A		S	5Y 3/1	
7	[Pattern]	5	Pleistocene	-A		S	5Y 4/1	
8	[Pattern]	6		-A		S	5Y 3/1	
9	[Pattern]	6		-A		S	5Y 4/1	
CC		7		-A		M	5Y 3/1	

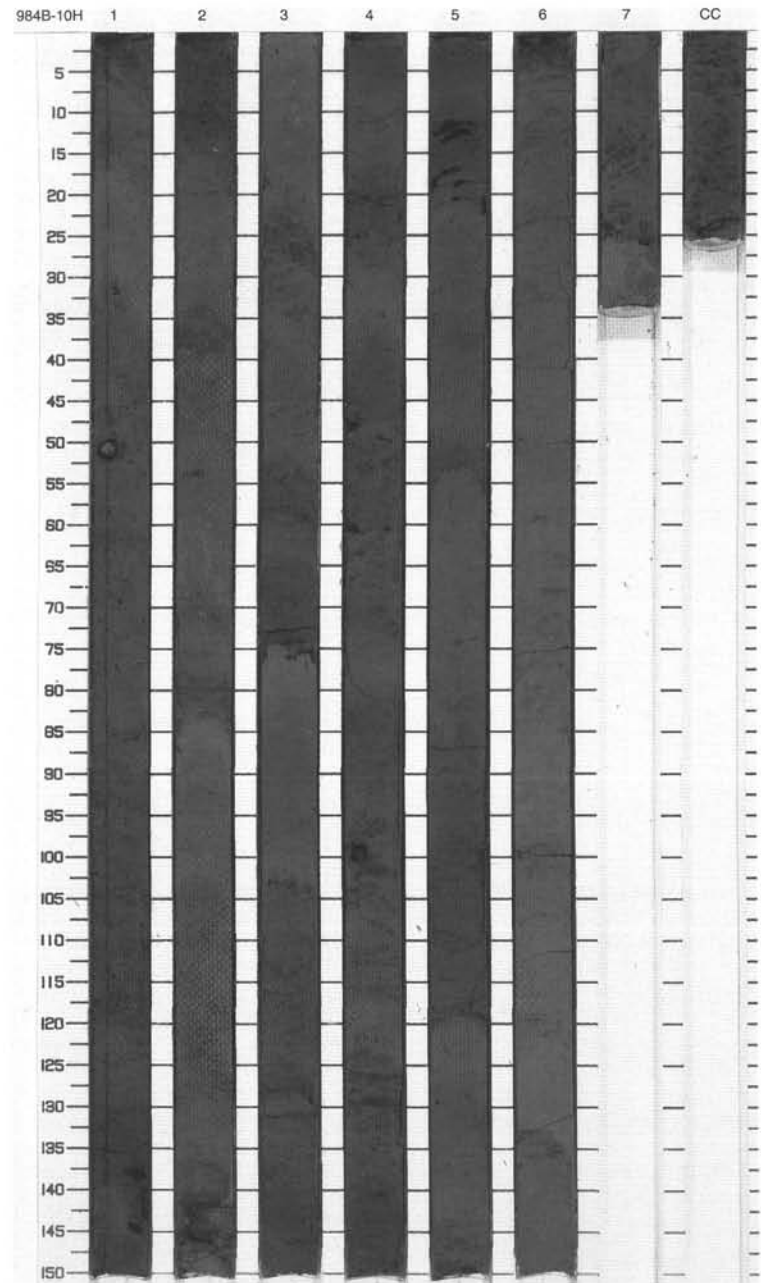


SITE 984 HOLE B CORE 9H CORED 75.0 - 84.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		-A	W	S	5Y 3/1	<p>SILTY CLAY and CLAYEY NANNOFOSSIL MIXED SEDIMENT</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY alternating with dark greenish gray (10Y 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT. ASH-rich layers are situated in Section 1, 20-21 and 39-40 cm, in Section 3, 38-39 cm, in Section 4, 78-89 cm, and in Section 6, 56-57 and 95-96 cm. The sediment is firm, homogeneous, and slightly bioturbated throughout. Most color changes are gradual. Thin coarser intervals are present within all color layers.</p>
1	[Pattern]	1		-A	W	S	10Y 4/1	
2	[Pattern]	2				S	5Y 3/1	
2	[Pattern]	2				S	10Y 4/1	
3	[Pattern]	3		-A		S	5Y 3/1	
4	[Pattern]	3		-A		S	10Y 4/1	
5	[Pattern]	4		-A		S	5Y 3/1	
5	[Pattern]	4		-A		S	10Y 4/1	
6	[Pattern]	5				S	5Y 3/1	
6	[Pattern]	5				S	10Y 4/1	
7	[Pattern]	6		-A		S	5Y 3/1	
8	[Pattern]	6		-A		S	10Y 4/1	
9	[Pattern]	7				S	5Y 3/1	
		CC				M		



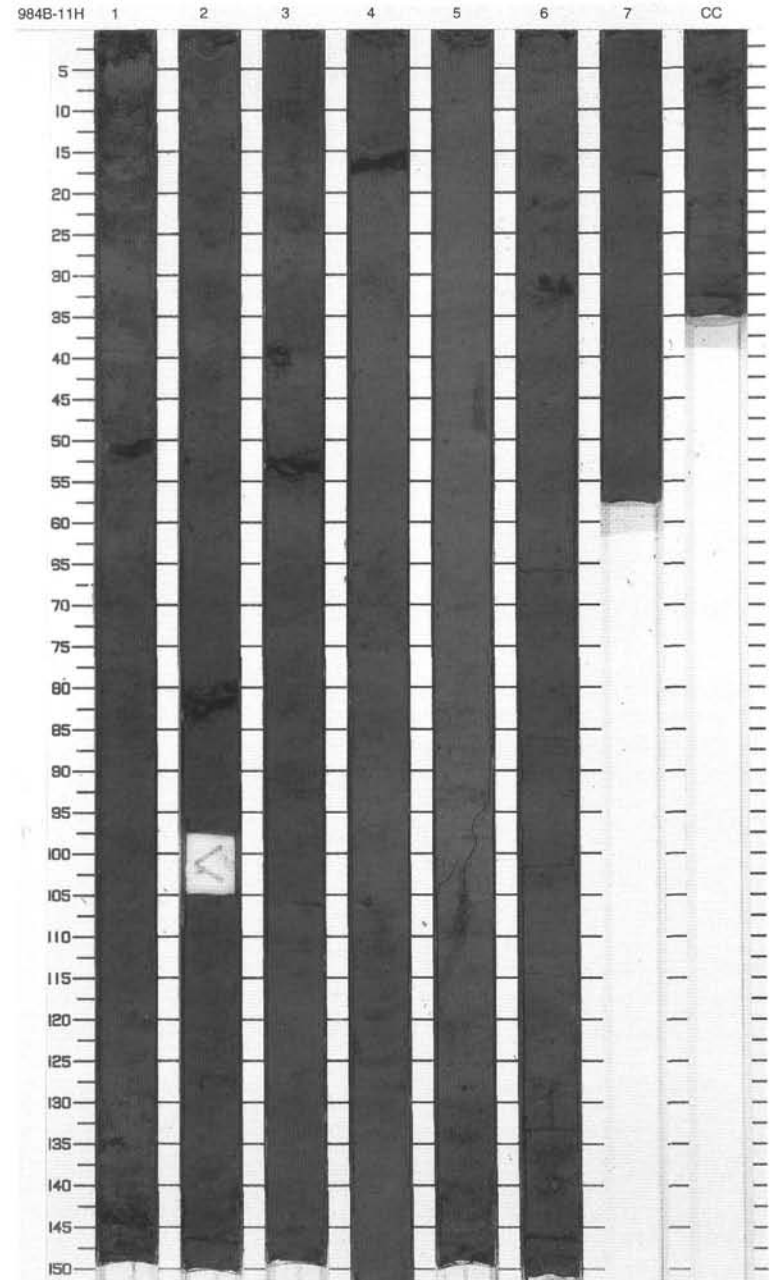
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	Pleistocene	◇		S	10Y 3/1	<p>SILTY CLAY and CLAYEY NANNOFOSSIL MIXED SEDIMENT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY alternating with dark gray (5Y 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT. ASH-rich layers are situated in Section 3, 144-145 and 77-78 cm. Ash pods (in burrows) are present in Section 1, 145 cm, in Section 4, 46 and 58 cm, and in Section 5, 30 cm. The sediment is firm and all contacts are gradational. Color changes are generally sharp from light to dark but gradual from dark to light. Coarser grains are scattered throughout and do not reflect color changes. Dropstones are situated in Section 1, 50 cm (a 3-cm-long subrounded pink feldspar-rich rock) and in Section 4, 99 cm (a 1.7-cm subrounded vuggy crystalline rock).</p>
2	[Pattern]	2		A*		S	5Y 4/1	
3	[Pattern]	3		-A			5Y 4/1 To 10Y 3/1	
4	[Pattern]	3		-A			5Y 4/1	
5	[Pattern]	4		A*			10Y 3/1	
6	[Pattern]	4		◇			5Y 4/1	
7	[Pattern]	5		A*			10Y 3/1	
8	[Pattern]	6		☼		S	5Y 4/1	
9	[Pattern]	7				M	10Y 3/1	
		CC						



## SITE 984 HOLE B CORE 11H

CORED 94.0 - 103.5 mbsf

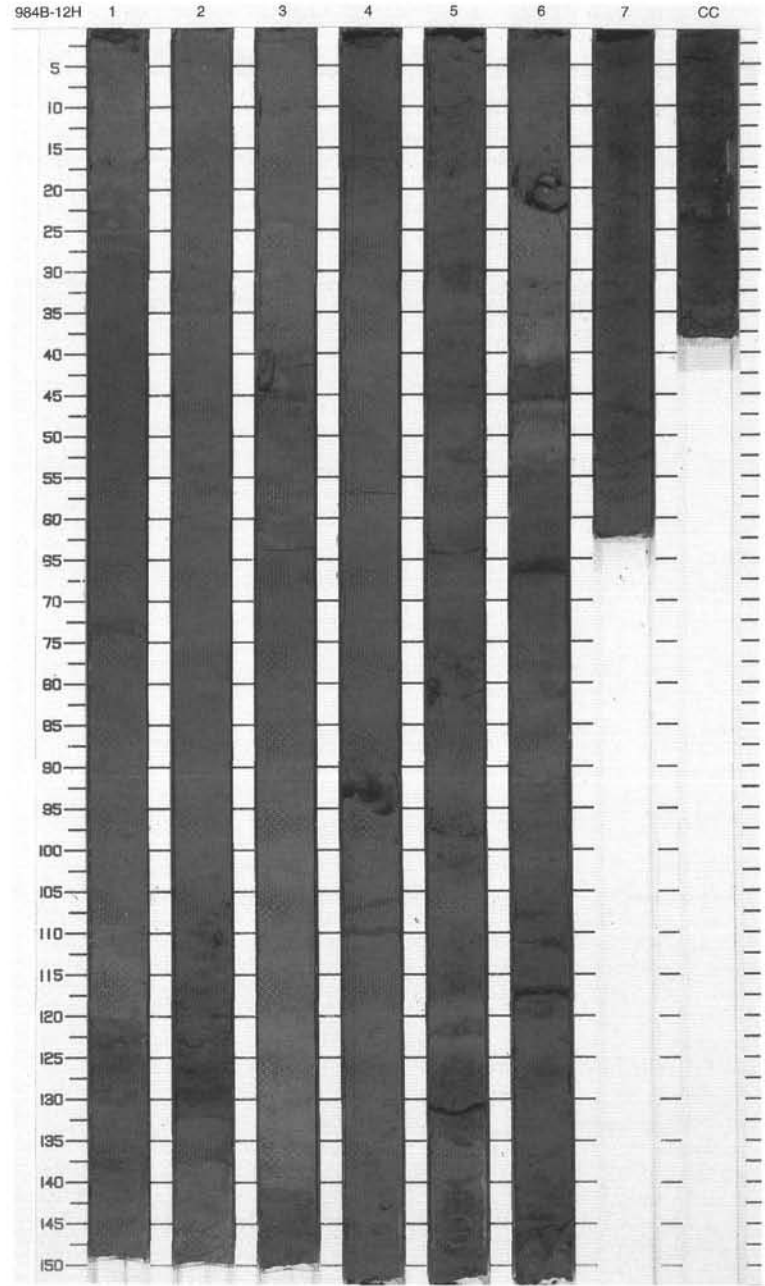
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1			W	S	10Y 4/1	CLAY WITH SILT and NANNOFOSSIL CLAY MIXED SEDIMENT
2		2				S	10Y 3/1	<p>General Description:            This core contains very dark greenish gray (10Y 3/1) CLAY WITH SILT and dark greenish gray (10Y 4/1) NANNOFOSSIL CLAY MIXED SEDIMENT. CLAY WITH SPICULES AND FORAMINIFERS appears as a minor lithology in Section 1, 40-120 cm. The sediment is firm. Some of it tends to peel or curl when cut or scraped. A small void is present in Section 2, 97-105 cm. A large pyrite-filled burrow is present in Section 5, 44-49 cm. A 2.7-cm black volcanoclastic rock is present in Section 3, 38 cm. A 1.2-cm round basalt is present in Section 6, 139 cm.</p>
3		3					10Y 4/1 To 10Y 3/1	
4		4				S	10Y 3/1	
5		5					10Y 4/1	
6		6					10Y 3/1	
7		7					10Y 4/1	
8		8					10Y 3/1	
9		9				M		
		CC						



SITE 984 HOLE B CORE 12H

CORED 103.5 - 113.0 mbsf

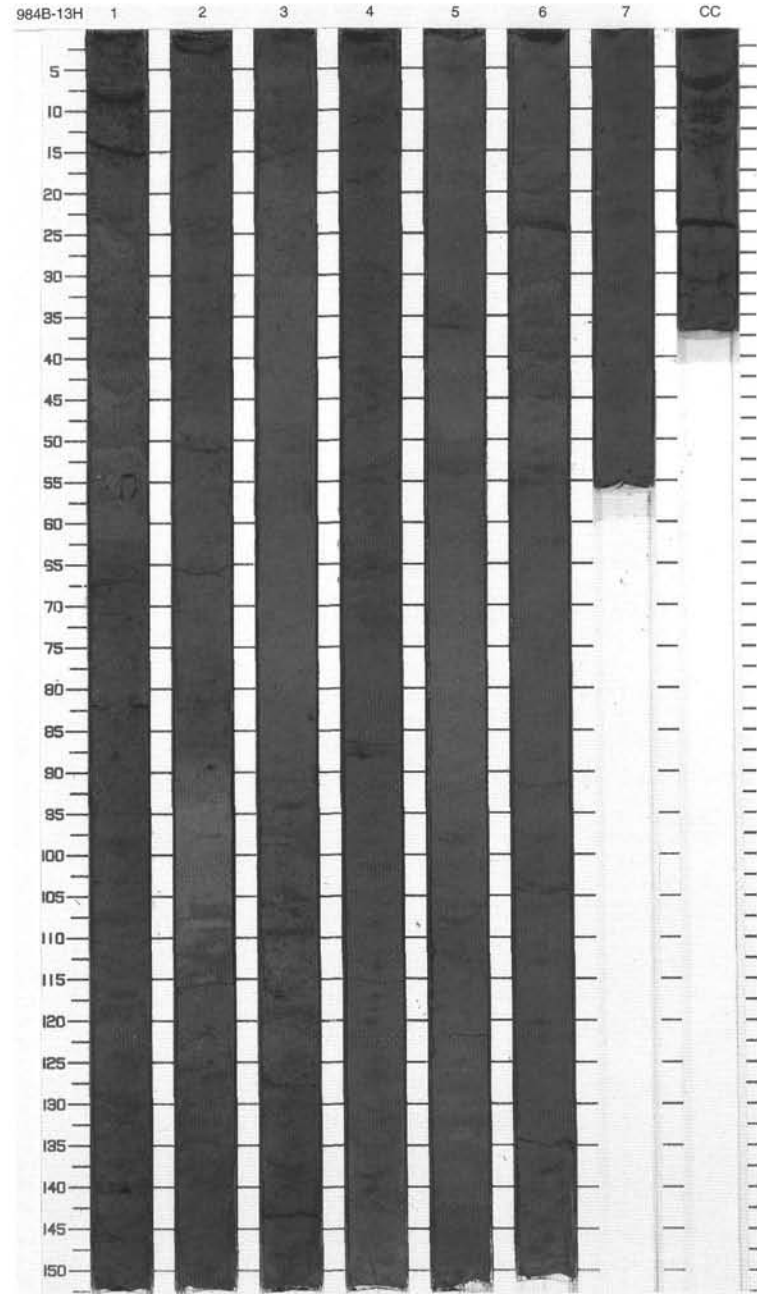
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		~			10Y 4/1	<p>CLAY WITH SILT and CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1), dark greenish gray (10Y 4/1 and 5GY 4/1) CLAY WITH SILT interbedded with very dark greenish gray (10Y 3/1), dark greenish gray (10Y 4/1 and 5GY 4/1) CLAY WITH NANNOFOSSILS. A layer of bluish gray (5B 4/1) CLAY occurs in Section 6, 30-60 cm. The sediment is firm and slightly to moderately bioturbated throughout. ASH layers are present in Section 4, 95-96 cm, in Section 5, 80-81 cm, and in Section 6, 66-67 cm and 117-118 cm. Ash pods are present in Section 1, 74 cm, in Section 2, 120-130 cm, and in Section 5, 144 cm. Burrows filled with lighter sediment are dispersed throughout the entire core. Short intervals of foraminifer-rich sediment are present in Section 2, 40-90 cm, in Section 3, 60-90 cm, from Section 4, 15 cm to Section 5, 140 cm, in Section 6, 80-110 cm, and in Section 7, 40-50 cm. A 4.5-cm-long subangular crystalline dropstone is situated in Section 3, 38 cm. A 4-cm-long black scoria is present in Section 6, 21 cm.</p>
1	[Dotted pattern]	1		~		10Y 3/1		
1	[Dotted pattern]	1		~		5GY 4/1		
1	[Dotted pattern]	1		~		10Y 4/1		
2	[Dotted pattern]	2		~		10Y 4/1		
2	[Dotted pattern]	2		~		5GY 4/1		
3	[Dotted pattern]	3		~		10Y 4/1		
3	[Dotted pattern]	3		~		10Y 3/1		
4	[Dotted pattern]	4	Pleistocene	~		10Y 3/1		
5	[Dotted pattern]	5		~		10Y 4/1		
6	[Dotted pattern]	6		~		5B 4/1		
7	[Dotted pattern]	7		~		10Y 3/1		
CC	[Dotted pattern]	CC		~		M		





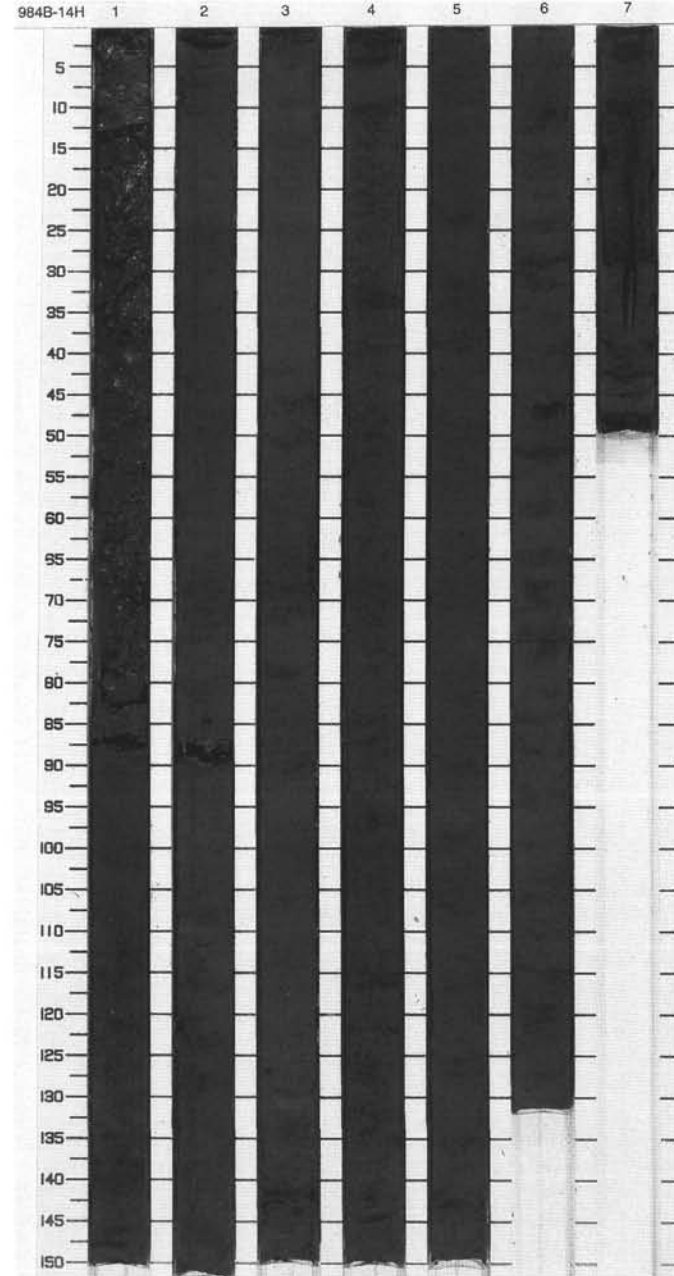
SITE 984 HOLE B CORE 13H CORED 113.0 - 122.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		-A			5GY 3/1	<p><b>NANNOFOSSIL CLAYEY MIXED SEDIMENT WITH SILT AND SPICULES and CLAY WITH SILT</b></p> <p>General Description: This core contains very dark greenish gray to dark greenish gray (5GY 3/1 to 5GY 4/1) NANNOFOSSIL CLAYEY MIXED SEDIMENT WITH SILT AND SPICULES alternating with dark greenish gray (10Y 4/1) CLAY WITH SILT. Dark greenish gray (5GY 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT is interbedded as a minor lithology. The color changes are gradational, and only small intervals are slightly bioturbated in several sections. The foraminifer content increases from Section 2, 142 cm to Section 3, 13 cm, and in Section 3, 48-92 cm. Foraminifer-filled burrows occur in Section 5, 133-143 cm. Volcanic ash layers occur in several sections, especially in Section 1, 60-65 cm, in Section 2, 50-51 and 110-111 cm, in Section 3, 109-110 cm, in Section 4, 87-88 cm, in Section 5, 35-36 cm, and in Section 6, 27-28 cm. In addition, ash pods are present in Section 1, 137-138 cm, and in Section 2, 87 cm. Dropstones occur in Section 1, 54.5-57 cm (2.5-cm-sized crystalline), and in Section 3, 117-118 cm (1-cm-sized basalt). The uppermost 15 cm of the core are slightly disturbed (2 small gaps).</p>
2	[Dotted pattern]	2		-A A*			10Y 3/1	
3	[Dotted pattern]	3		-A A* A		S	5GY 3/1	
4	[Dotted pattern]	4		-A		S	5GY 4/1	
5	[Dotted pattern]	5	Pleistocene	-A			5Y 3/1	
6	[Dotted pattern]	6		-A		S	10Y 3/1	
7	[Dotted pattern]	7		-A			10Y 4/1	
8	[Dotted pattern]	8		-A				
9	[Dotted pattern]	9		-A			5Y 3/1	
	[Dotted pattern]	CC				M		



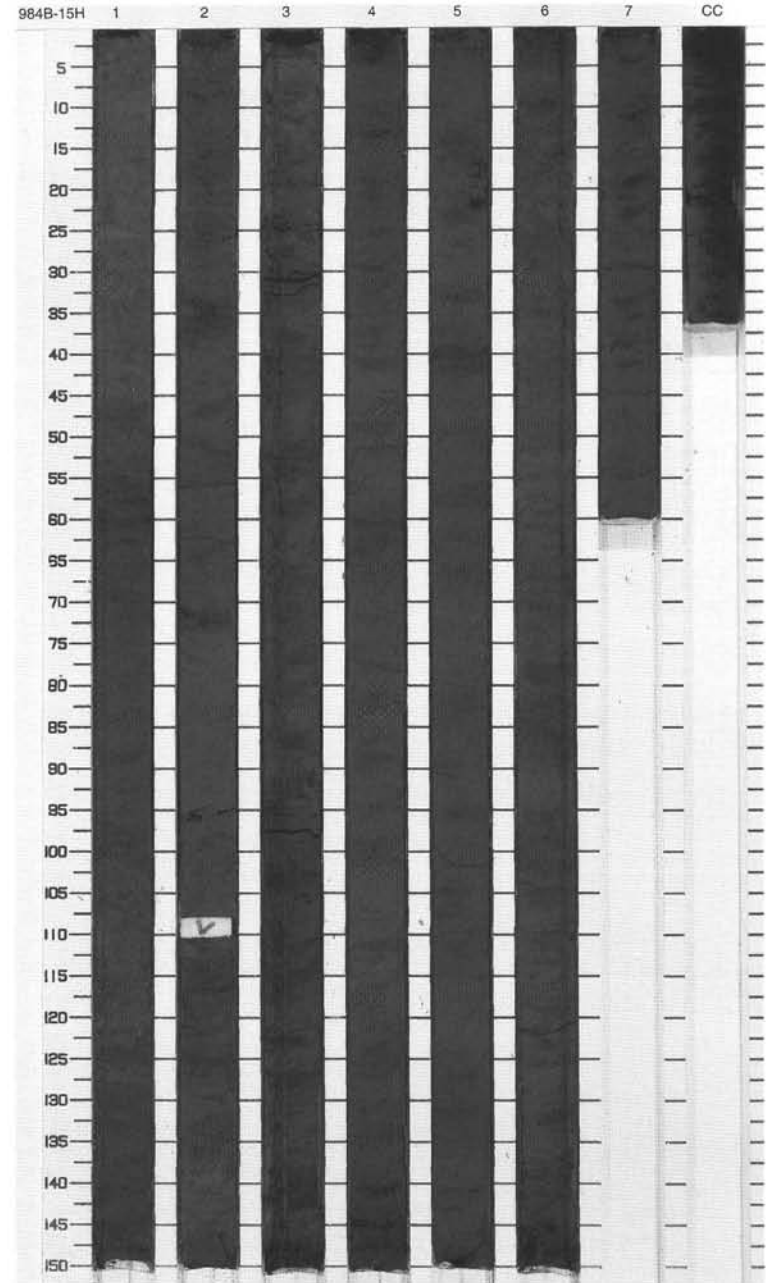


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1			○		10Y 3/1	<p>SILTY CLAY and CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) and dark greenish gray (5GY 3/1) SILTY CLAY and CLAY WITH SILT. The upper part of Section 1, 12-88 cm is soupy, and a small gap is present in Section 2, 87-90 cm. Scoria dropstones occur in Section 6, 10 cm (&lt; 0.5 cm), Section 2, 50 (&lt; 0.3 cm), 85 (&lt; 0.4 cm), and 122 cm (0.8 cm). Some volcanic ash and pyrite-rich color bands are interbedded at Section 6, 47 cm. Color change is very gradational and very subtle throughout the core. Slight bioturbation occurs at several layers. Coarser sediment with foraminifers is present at the base of Section 3. Disseminated pyrite also occurs in small horizons.</p>
2	[Hatched pattern]	2		~		S		
3	[Dotted pattern]	3		~			5GY 3/1	
4	[Dotted pattern]	4	Pleistocene	~				
5	[Hatched pattern]	5						
6	[Hatched pattern]	6		~		S	10Y 3/1	
7	[Hatched pattern]	7		~				
8	[Hatched pattern]	8		~			5GY 3/1	
9	[Hatched pattern]	9		~		M	10Y 3/1	



SITE 984 HOLE B CORE 15H CORED 132.0 - 141.5 mbsf

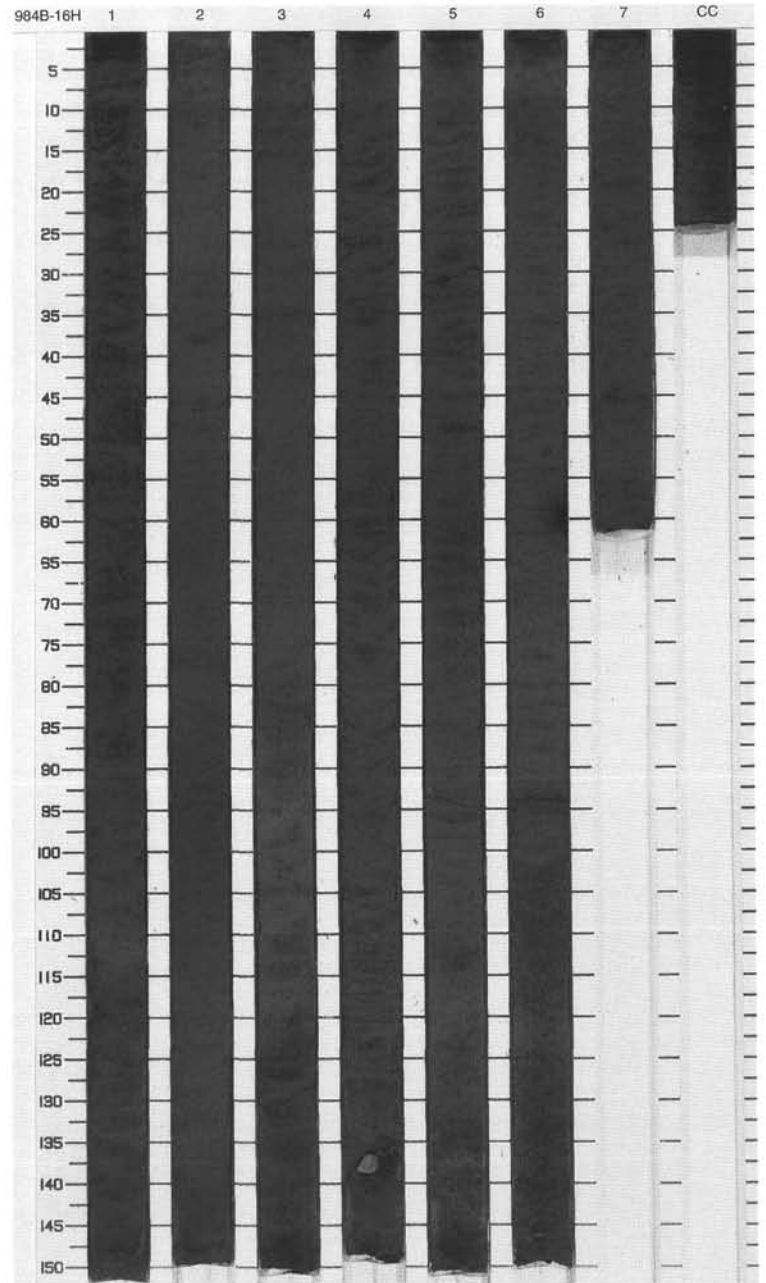
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lith. 1]	1	Pleistocene	***	W		5GY 4/1	CLAYEY SILT and CLAYEY SILT WITH BIOCARBONATE AND ASH
2	[Graphic Lith. 2]	2					5GY 3/1	General Description: This core contains very dark greenish gray (10Y 3/1, 5GY 3/1) CLAYEY SILT and very dark greenish gray (5GY 2/1) CLAYEY SILT WITH BIOCARBONATE AND ASH. The sediments are very firm and some of them peel or curl when scraped. In addition to the foram-rich intervals shown in the graphic log, intervals enriched in foraminifers are common and a < 1-mm-thick layer of foraminifer sand is present in Section 1, 57 cm. A number of smaller stones also occur. In Section 6 several burrows are filled with tan sand.
3	[Graphic Lith. 3]	3					10Y 3/1	
4	[Graphic Lith. 4]	4					5GY 2/1	
5	[Graphic Lith. 5]	5					10Y 3/1	
6	[Graphic Lith. 6]	6					5GY 2/1	
7	[Graphic Lith. 7]	7						
8	[Graphic Lith. 8]	8						
9	[Graphic Lith. 9]	9						
		CC						



SITE 984 HOLE B CORE 16H

CORED 141.5 - 151.0 mbsf

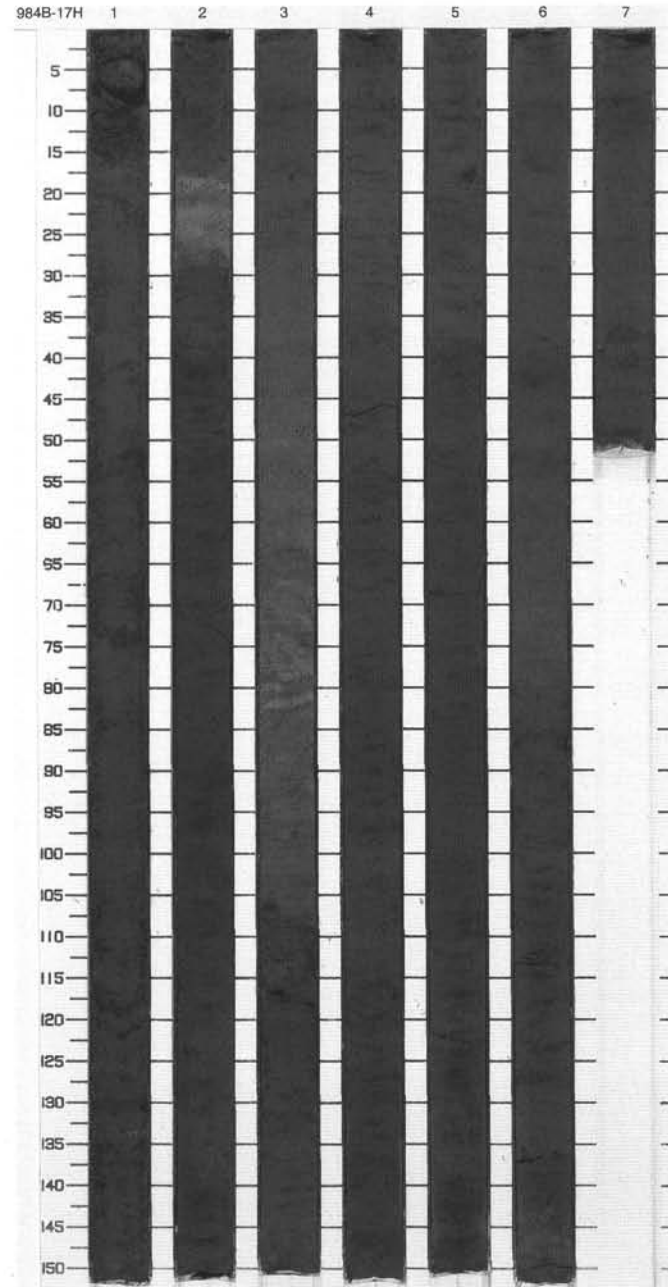
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Wavy line]			5GY 3/1	<p>SILTY CLAY and SILTY CLAY WITH NANNOFOSSILS</p> <p>General Description:                      This core contains firm, homogeneous, very dark greenish gray (5GY 3/1) SILTY CLAY alternating with very dark gray (10Y 3/1) SILTY CLAY WITH NANNOFOSSILS. All color changes are gradational and thick greenish to dark greenish color bands occur in Sections 3 and 5. The content of coarse particles (probably foraminifers) increases in Section 3, 0-103 cm. Some mm-sized burrows filled with light sediment are present throughout most of the sections.</p>
2	[Hatched pattern]	2		[Wavy line]				
3	[Hatched pattern]	3		[Wavy line]	P	S		
4	[Hatched pattern]	3		[Wavy line]				
5	[Hatched pattern]	4		[Wavy line]		S	10Y 3/1	
6	[Hatched pattern]	5		[Wavy line]				
7	[Hatched pattern]	5		[Wavy line]		S	5GY 3/1	
8	[Hatched pattern]	6						
9	[Hatched pattern]	7						
	[Hatched pattern]	CC			M	10GY 3/0		



## SITE 984 HOLE B CORE 17H

CORED 151.0 - 160.5 mbsf

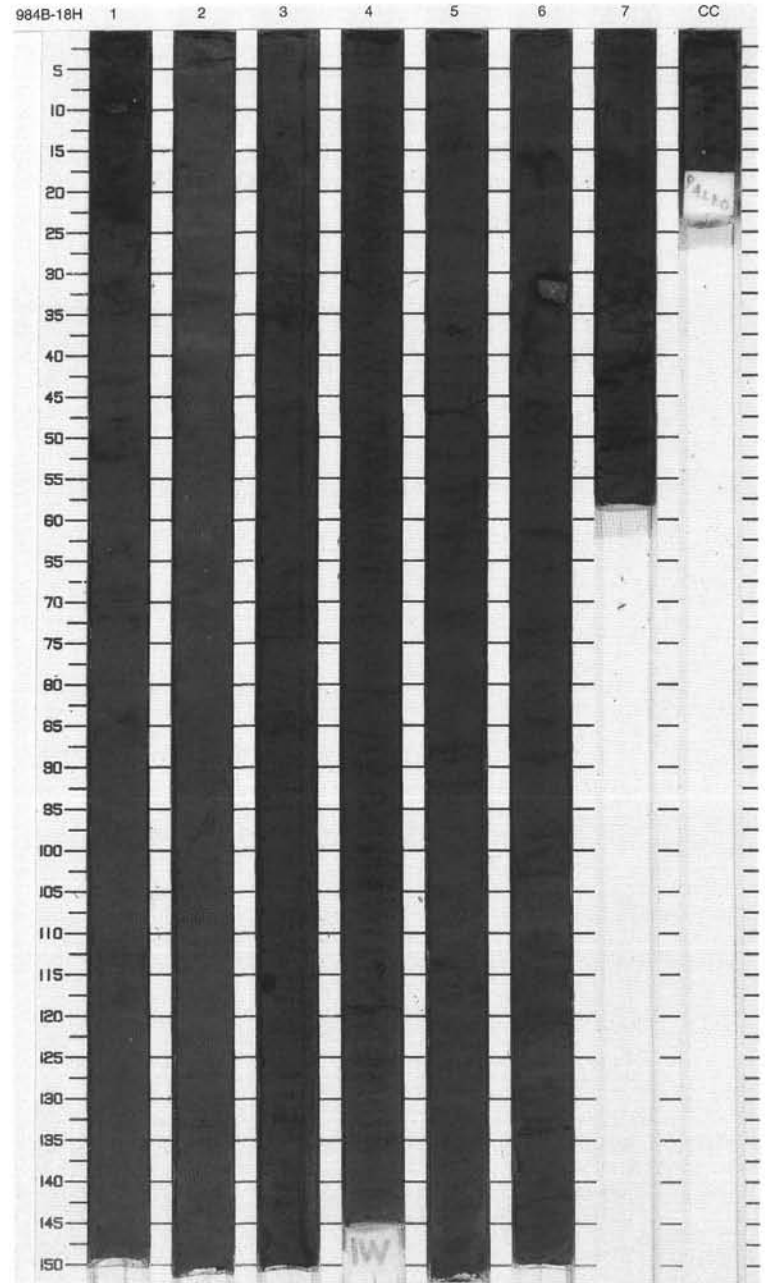
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	A*			10Y 3/1	<p>SILTY CLAY and CLAYEY MIXED SEDIMENT WITH NANNOFOSSIL AND SPICULES</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY alternating with dark greenish gray (5GY 3/1) CLAYEY MIXED SEDIMENT WITH NANNOFOSSIL AND SPICULES. This core contains an ash layer at Section 2, 18-29 cm with upper and lower sharp contact, and contains a small ash pod at Section 1, 133 cm. Top of the Section 1 (0-15 cm) is little moist and disturbed. Section 5, 15 cm contains mud clasts. Several dark green color bands are scattered in Sections 1 and 2. Color change is very subtle and gradational throughout the core. Slight bioturbation occurs in several layers. Pyrite occurs as nodules and disseminated within layers in Sections 3 and 5.</p>
2		2		-A				
3		3		(P)		S	5GY 3/1	
4		4						
5		5						
6		6		P		S	10Y 3/1	
7		7						
8		6					5GY 3/1	
9		7			M		10Y 3/1	



SITE 984 HOLE B CORE 18H

CORED 160.5 - 170.0 mbsf

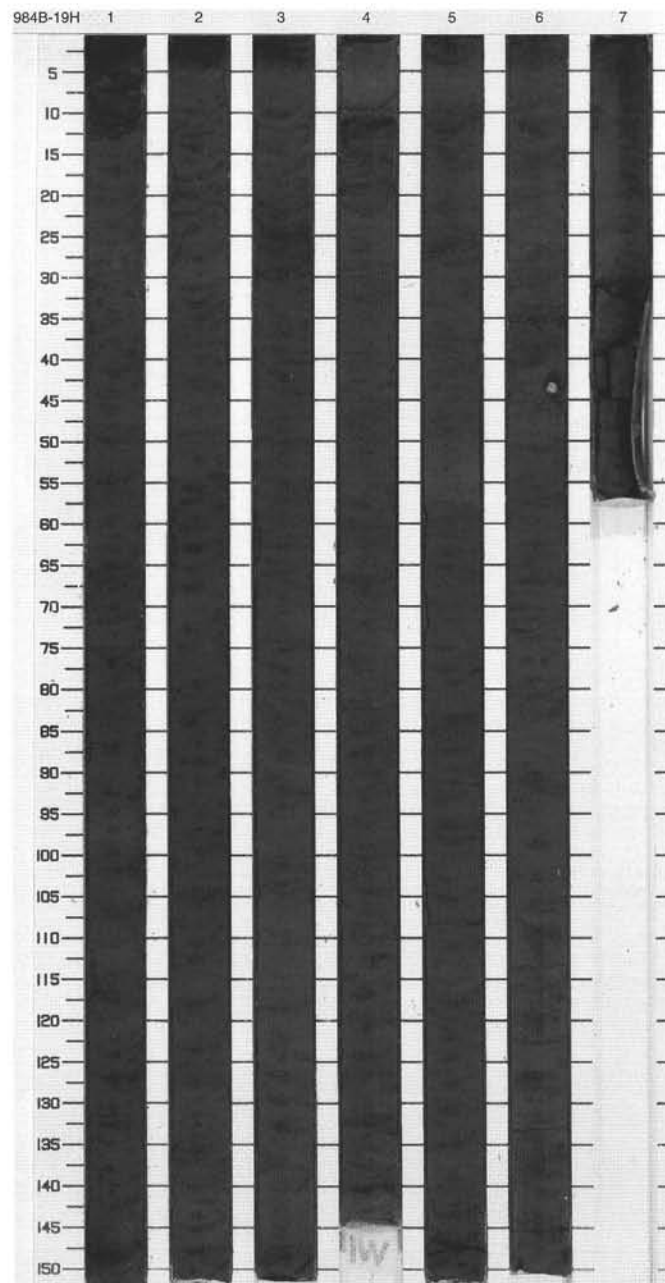
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	}}	!	5GY 4/1	SILTY CLAY and SILTY CLAY WITH NANNOFOSSILS  General Description: This core contains very dark greenish gray (5GY 3/1) SILTY CLAY and very dark greenish gray (5GY 4/1) SILTY CLAY WITH NANNOFOSSILS. The sediment is soft in Sections 1-2, and very firm in other sections. The color changes are gradational and bioturbated. Bioturbation is moderate in Sections 1-2, and slight throughout the rest of the core. Thin green, tan, and brown color bands occur throughout the core, and are also concentrated in Sections 1-2.	
2	[Hatched pattern]	2		}}	!			
3	[Hatched pattern]	3		}}	!			
4	[Hatched pattern]	4		}}	S			
5	[Hatched pattern]	5		}}	I			
6	[Hatched pattern]	6		}}	S			
7	[Hatched pattern]	7		}}	M			
CC	[Hatched pattern]	CC						



## SITE 984 HOLE B CORE 19H

CORED 170.0 - 179.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1						<p>SILTY CLAY and SILTY CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains firm, homogeneous, very dark greenish gray (10Y 3/1) SILTY CLAY alternating with very dark greenish gray (5GY 3/1) SILTY CLAY WITH NANNOFOSSILS. Layers of dark greenish gray (10Y 4/1) SILTY NANNOFOSSIL MIXED SEDIMENT WITH CLAY, SPICULES AND FORAMINIFERS are interbedded from Section 3, 141 cm to Section 4, 11 cm, and in Section 5, 50–59 cm. The color changes are gradational and thin green to dark green color bands occur in several sections. A thin volcanic ash layer is present in Section 6, 34.5–35 cm. Some mm-sized burrows filled with black and light sediment are present throughout the core. A 2-cm-sized light igneous dropstone occurs in Section 6, 42.5–44 cm. The uppermost 12 cm of the core are slightly disturbed due to drilling.</p>
2		2				S	10Y 3/1	
3		3					5GY 3/1	
4		3				S	5GY 4/1	
5		4	Pleistocene			S		
6		4				S		
7		5				I	5GY 3/1	
8		6					10Y 3/1	
9		7				M	5GY 3/1	

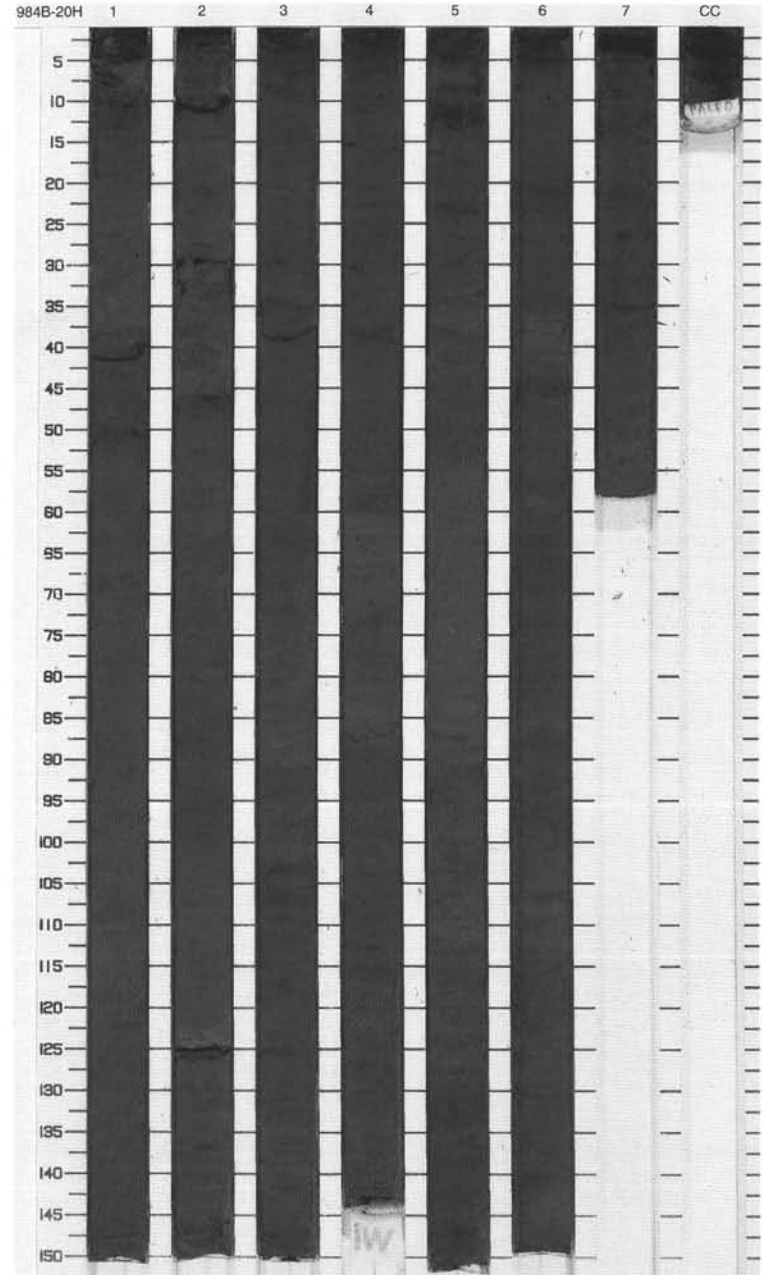




SITE 984 HOLE B CORE 20H

CORED 179.5 - 189.0 mbsf

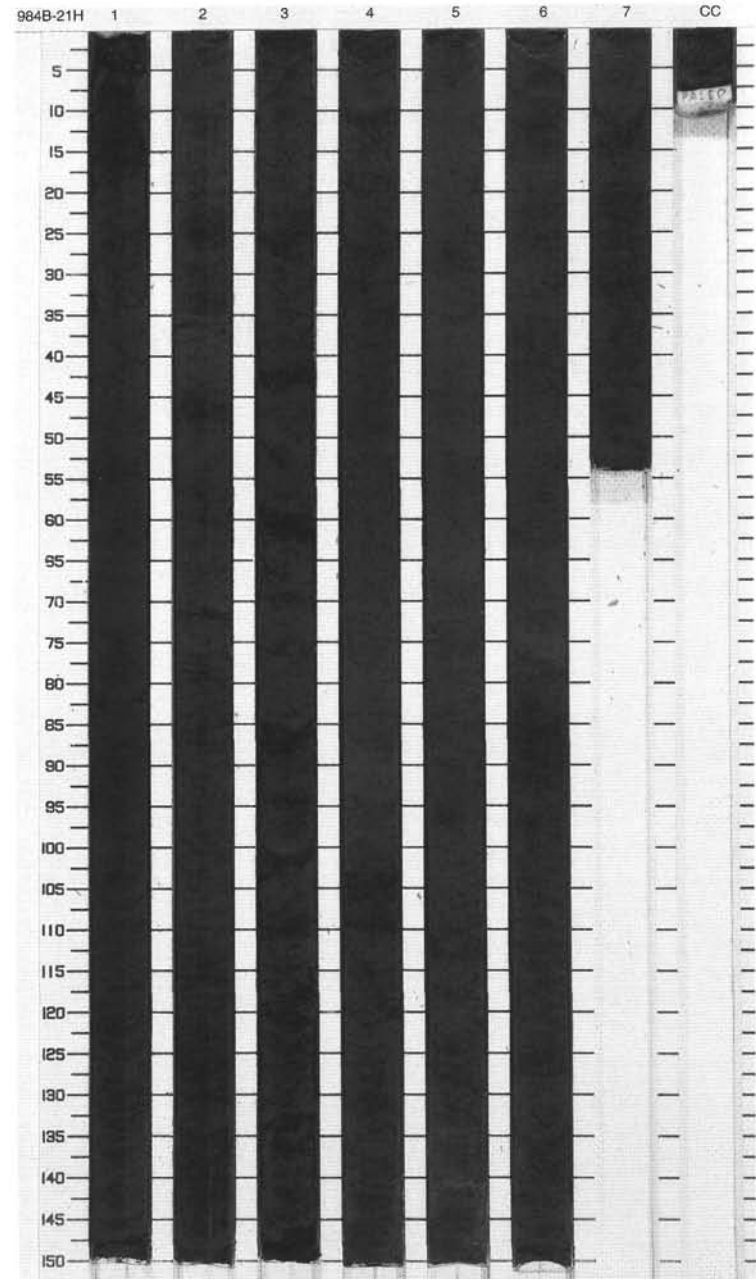
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		☉ } ☼ } P				<p>NANNOFOSSIL CLAY WITH SILT and CLAY WITH SILT AND FORAMINIFERS</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) NANNOFOSSIL CLAY WITH SILT and CLAY WITH SILT AND FORAMINIFERS. The sediment is very firm. The CLAY WITH SILT AND FORAMINIFERS occurs in Section 1, 10-50 cm, and Section 5, 30-80 cm. Dark green and brown color bands occur throughout the core. Slight bioturbation and color mottling also occur throughout the core.</p>
2	[Dotted pattern]	2		}}		S		
3	[Dotted pattern]	3		}}				
4	[Dotted pattern]	3	late Pliocene	}}				
5	[Dotted pattern]	4		}}			5GY 3/1	
6	[Dotted pattern]	4		}}		I		
7	[Dotted pattern]	5		☉ } }}		S		
8	[Dotted pattern]	6		☼ } ☼ } }}				
9	[Dotted pattern]	7		}}				
		CC		-A		M		



## SITE 984 HOLE B CORE 21H

CORED 189.0 - 198.5 mbsf

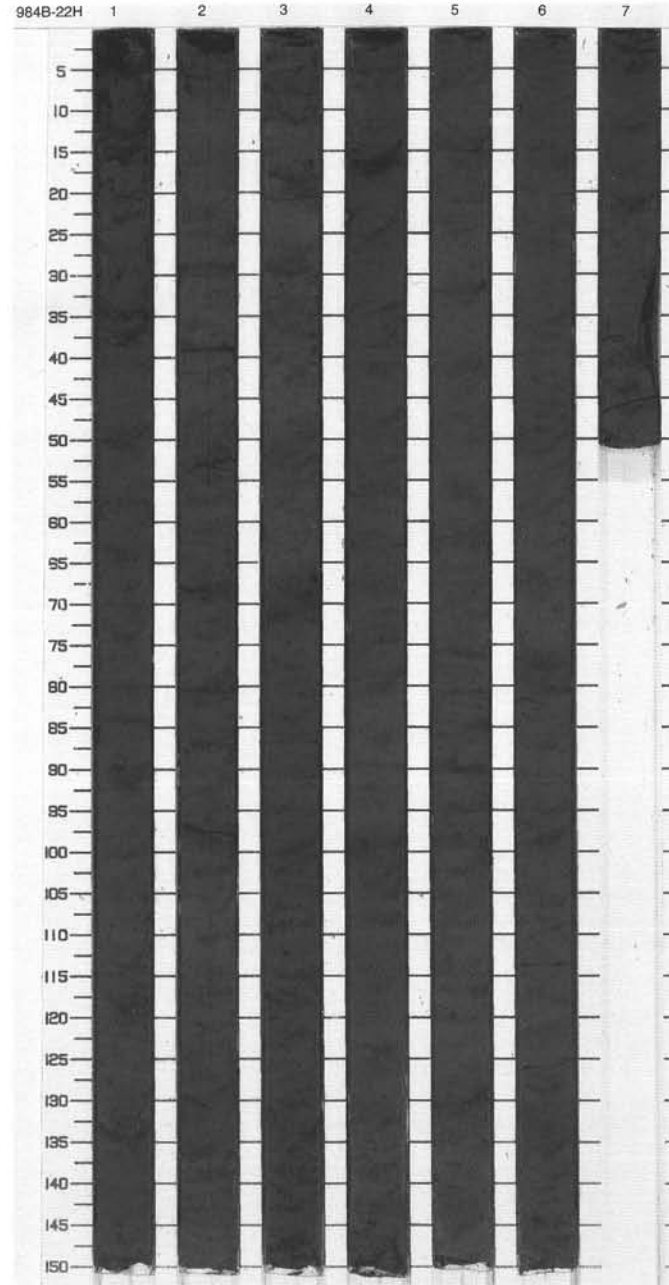
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1						<p>SILTY CLAY WITH NANNOFOSSILS and SILTY CLAY</p> <p>General Description: This core contains dark greenish gray (5GY 3/1) SILTY CLAY WITH NANNOFOSSILS alternating with very greenish gray (10Y 3/1) SILTY CLAY. Lower part of Section 5, and Section 2 shows little coarse sediment with rich foraminifers. The sediment is very hard and homogeneous. This core contains dark green color bands and pods around 105 and 110 cm in Section 5. Color change is very subtle and gradational throughout the core. The top of Section 1 (0-18 cm) is moderately disturbed.</p>
2		2		}}		S	5GY 3/1	
3		3				S	10Y 3/1	
4		4	late Pliocene	}}				
5		5		}}				
6		6					5GY 3/1	
7		7		⊗				
8		6		~~~~~ } ~~~~~ }			10Y 3/1	
9		7				M		



SITE 984 HOLE B CORE 22H

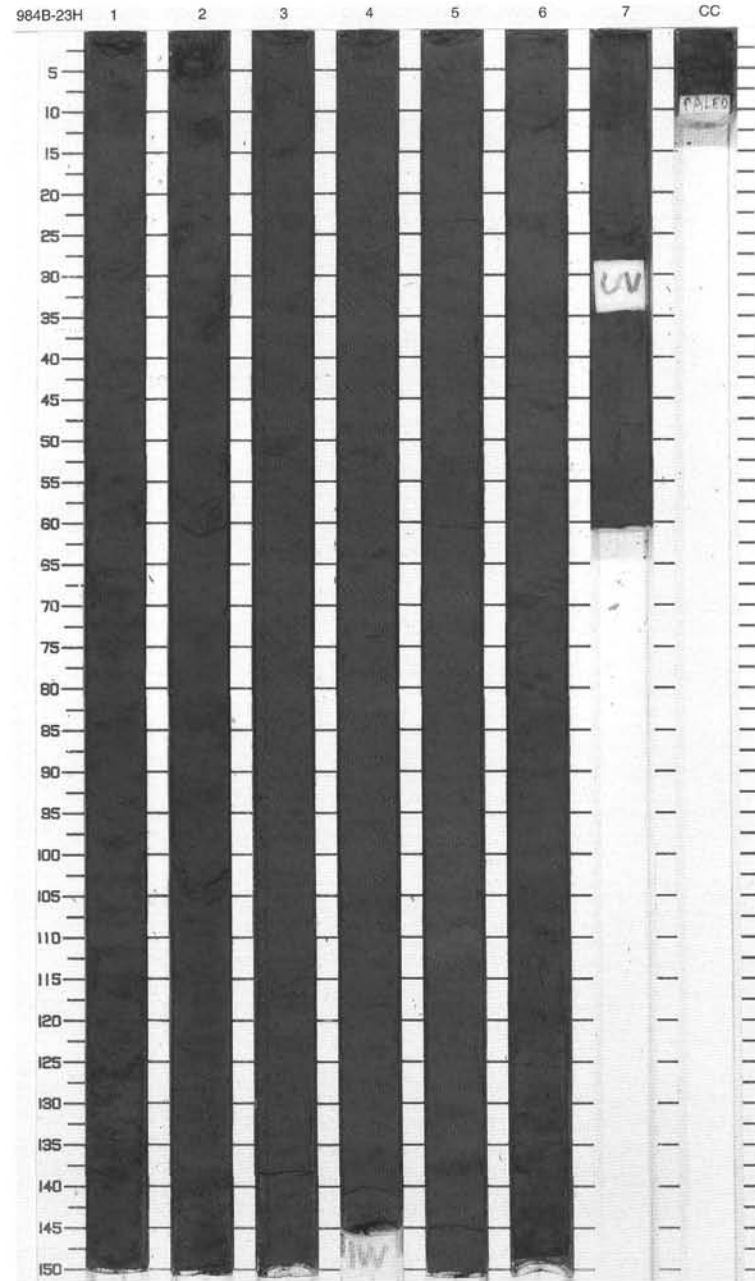
CORED 198.5 - 208.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1				S		<p>SILTY CLAY and SILTY CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains firm homogeneous very dark greenish gray (5GY 3/1) SILTY CLAY alternating with very dark greenish gray (10Y 3/1) SILTY CLAY WITH NANNOFOSSILS. The color changes are subtle and gradational. Thin dark green color bands occur in several sections. The content of coarse particles (probably foraminifers) increases from Section 2, 100 cm to Section 3, 4 cm and in Section 5, 65-120 cm. Some mm-sized burrows filled with light sediment are present throughout most of the core. A volcanic ash layer occurs in Section 2, 28-29 cm.</p>
2	[Hatched pattern]	2		~A			5GY 3/1	
3	[Hatched pattern]	3		—				
4	[Hatched pattern]	4	late Pliocene	—		S	10Y 3/1	
5	[Hatched pattern]	5		~				
6	[Hatched pattern]	6		~			5GY 3/1	
7	[Hatched pattern]	7		—		M		

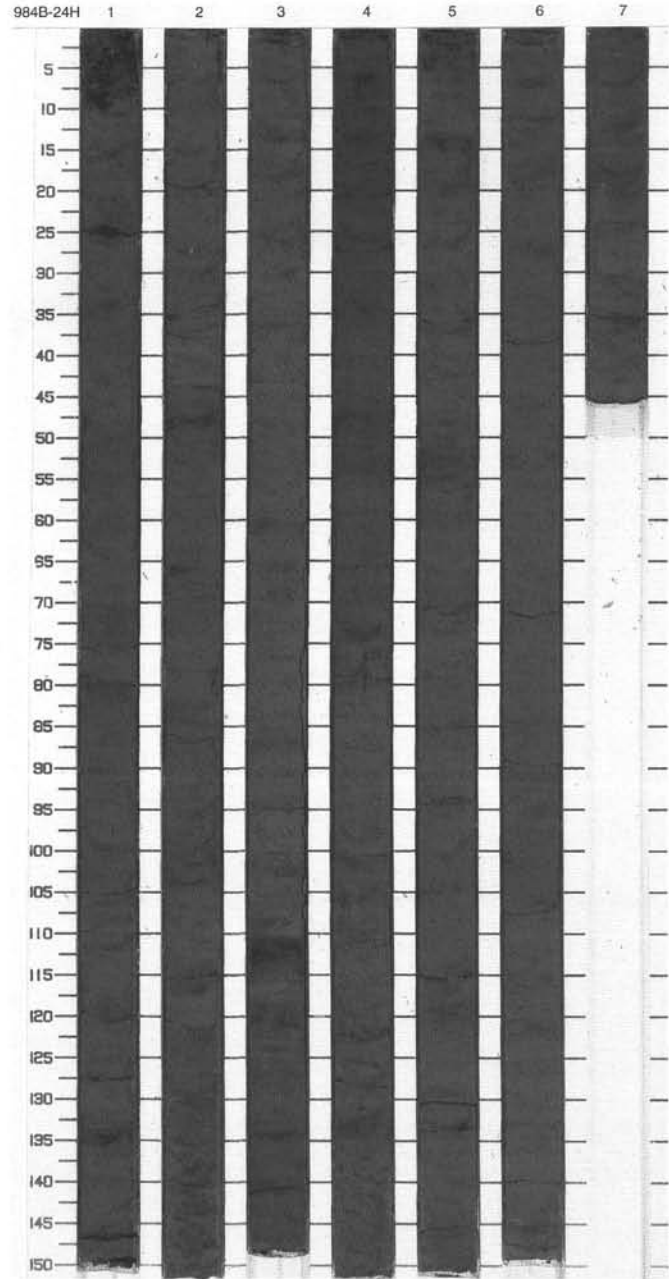


## SITE 984 HOLE B CORE 23H CORED 208.0 - 217.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1				S		SILTY CLAY WITH NANNOFOSSILS  General Description: This core contains very dark greenish gray (5GY 3/1 and 10Y 3/1) SILTY CLAY WITH NANNOFOSSILS. The sediment is very firm, homogeneous, and slightly to moderately bioturbated. Coarser intervals are present in Section 1, 65-70 and 110-139 cm and in Section 2, 30-35 cm. Some green and tan color bands are sparsely distributed throughout the entire core.
2		2						
3		3					5GY 3/1	
4		3						
5		4	late Pliocene					
6		4						
7		5						
8		6					10Y 3/1	
9		6						
		7					5GY 3/1	
						M		



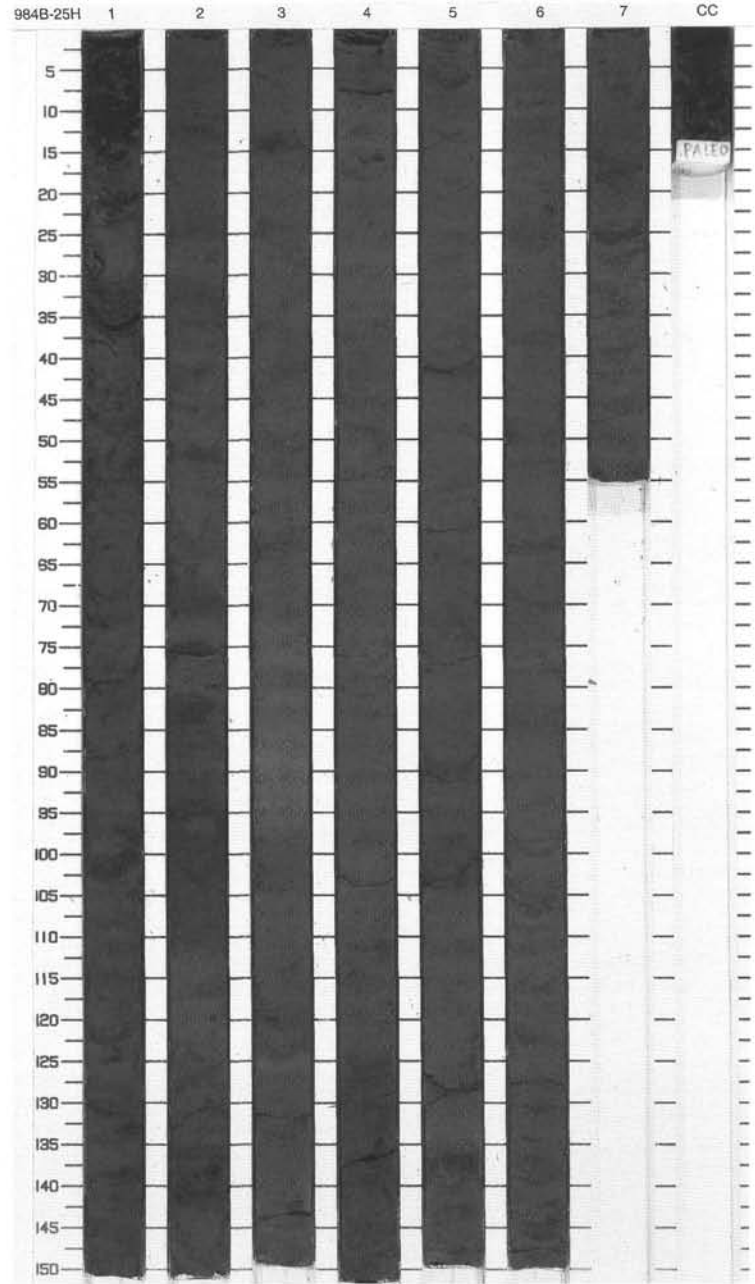
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0								CLAY WITH SILT AND NANNOFOSSILS
1		1						<p>General Description:                      This core contains very dark greenish gray (5GY 3/1) CLAY WITH SILT AND NANNOFOSSILS. The sediment is very firm, homogeneous, and slightly to moderately bioturbated throughout the core. A few faint green and tan color bands occur in Sections 2-5. Coarser intervals are present in Section 1, 0-10 cm and in Section 2, 135-150 cm.</p>
2		2	late Pliocene			S	5GY 3/1	
3		3						
4		4						
5		5						
6		6				S		
7		7				M		



SITE 984 HOLE B CORE 25H

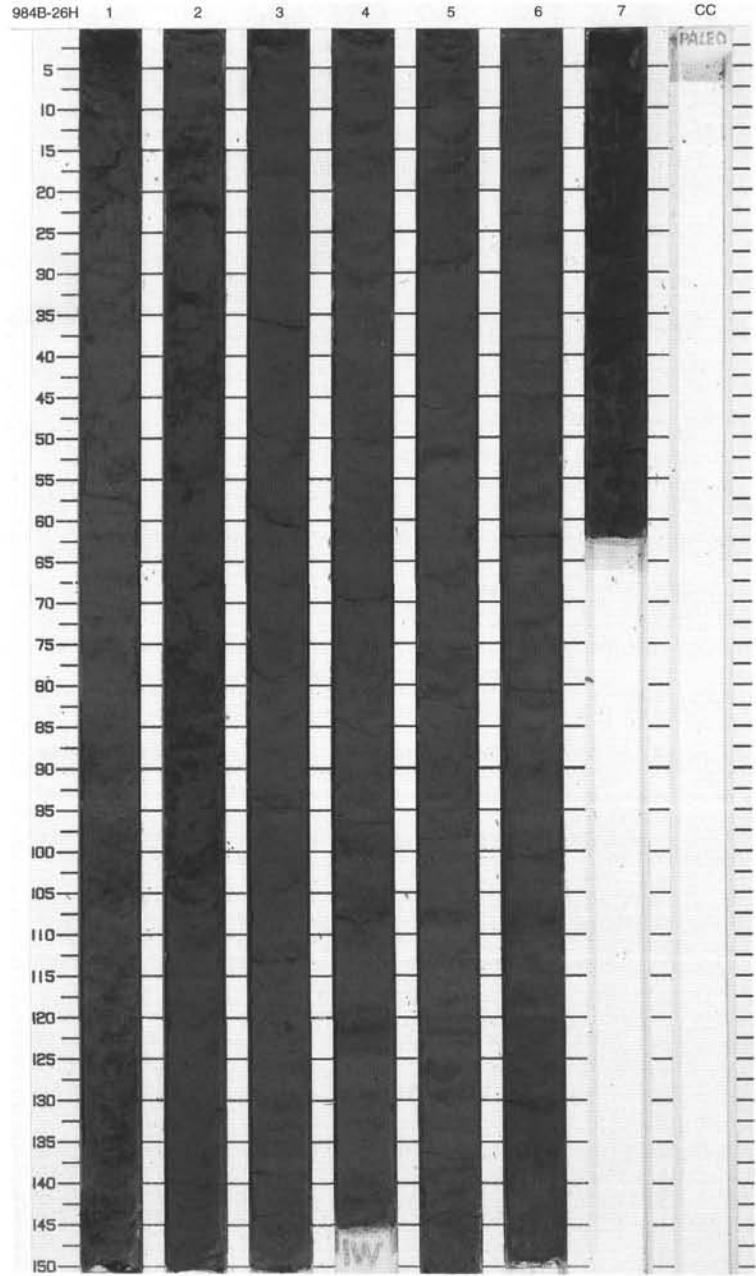
CORED 227.0 - 236.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		[Symbol]	W		5GY 3/1	<p>SILTY CLAY and CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) SILTY CLAY and very dark greenish gray (10Y 3/1) to dark greenish gray (10Y 4/1) CLAY WITH SILT. The sediment is very firm, homogeneous, color mottled, and slightly to moderately bioturbated throughout the entire core. Faint green color bands occur in all sections. A coarser interval is present in Section 1, 45-65 cm. The uppermost part of the section is very disturbed due to drilling procedure.</p>
2	[Dotted pattern]	2		[Symbol]		S	10Y 3/1	
3	[Dotted pattern]	3		[Symbol]			10Y 4/1	
4	[Dotted pattern]	4	late Pliocene	[Symbol]			10Y 3/1	
5	[Dotted pattern]	5		[Symbol]		S	10Y 3/1	
6	[Dotted pattern]	6		[Symbol]			5GY 3/1	
7	[Dotted pattern]	7		[Symbol]		M		



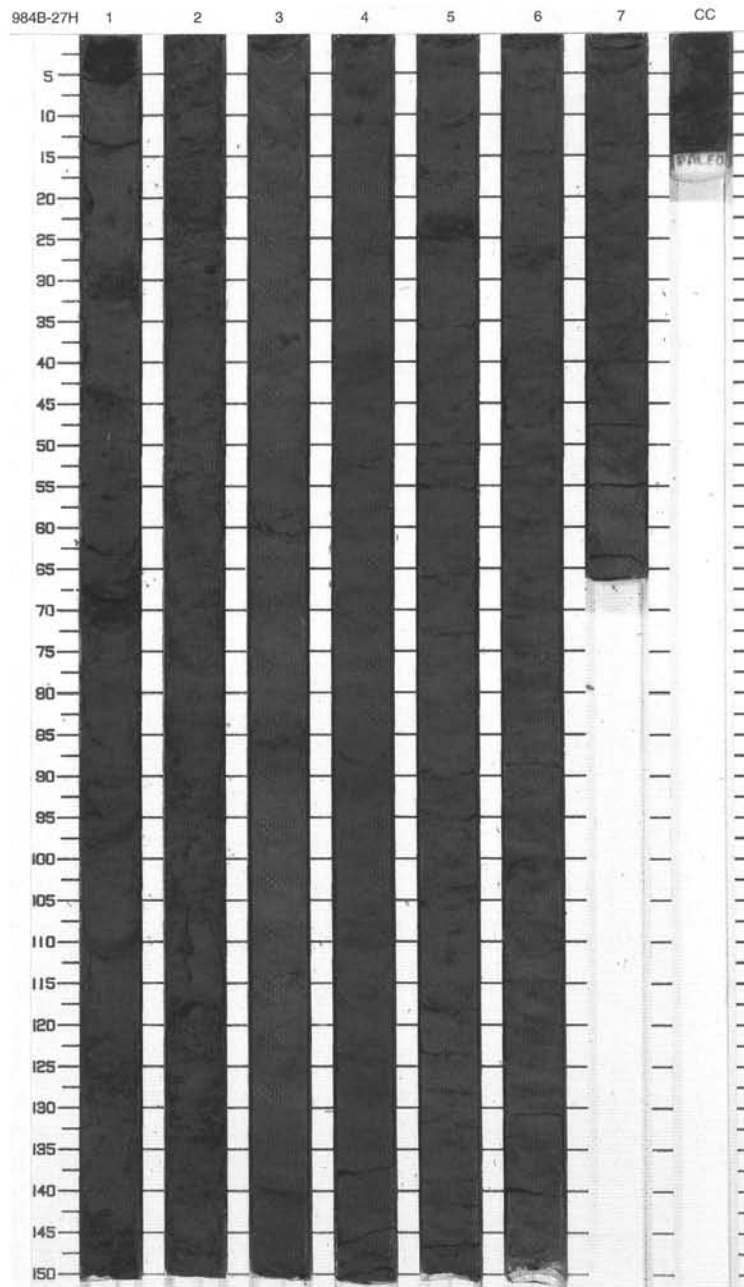


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy pattern]	W		5Y 3/1	SILTY CLAY and SILTY CLAY WITH NANNOFOSSILS
2	[Hatched pattern]	2		[Wavy pattern]			10Y 3/1	<p>General Description:                      This core contains very dark greenish gray (10Y 3/1) SILTY CLAY WITH NANNOFOSSILS and very dark gray (5Y 3/1) SILTY CLAY. The sediment is firm and homogeneous. Slight to moderate bioturbation occurs throughout the entire core. A series of green and tan color bands are present in Sections 2, 3, 4, 5, and 6. Coarser intervals are present in Section 2, 35-50 and 70-110 cm. The top of the core is disturbed by drilling procedure.</p>
3	[Hatched pattern]	3		[Wavy pattern]		S	5Y 3/1	
4	[Hatched pattern]	4	late Pliocene	[Wavy pattern]				
5	[Hatched pattern]	5		[Wavy pattern]		I	10Y 3/1	
6	[Hatched pattern]	6		[Wavy pattern]		S		
7	[Hatched pattern]	7		[Wavy pattern]	W	M	5Y 3/1	

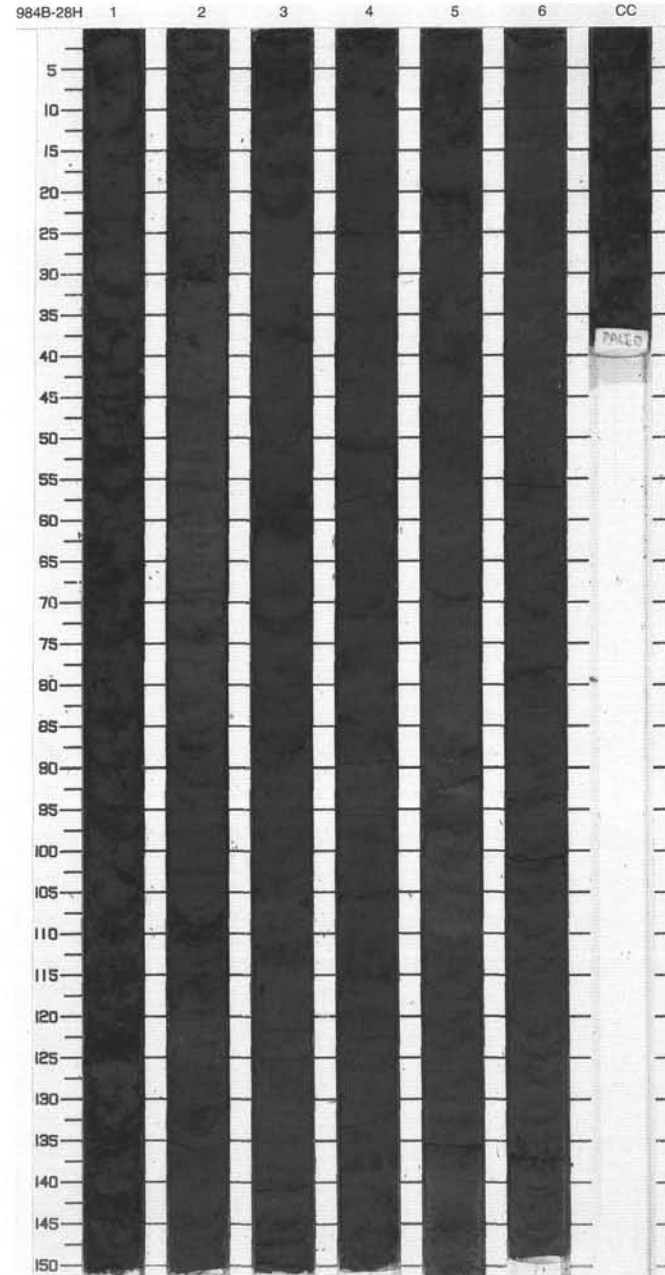


SITE 984 HOLE B CORE 27H CORED 246.0 - 255.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1						<p>SILTY CLAY and CLAY WITH NANNOFOSSILS AND SILT</p> <p>General Description:                      This core contains very dark greenish gray (10Y 3/1 and 5GY 3/1) SILTY CLAY and dark greenish gray (10Y 4/1) CLAY WITH NANNOFOSSILS AND SILT. The sediment is very firm, and slightly to moderately bioturbated throughout. A very hard clay-rich layer is situated in Section 3, 63-69 cm. Some green and tan color bands occur in Sections 3, 4, and 5. Pyrite is present in Section 2, 28 cm (concretion) and in Section 3, 37 cm (pyrite filled burrow). The uppermost part of the core (Section 1) is very disturbed and Sections 2 and 5 to 7 are moderately disturbed by drilling procedure.</p>
2	[Hatched pattern]	2		⊗	---		10Y 3/1	
3	[Hatched pattern]	3		⊗	---		10Y 3/1	
4	[Dotted pattern]	3		⊗	---	S	10Y 4/1	
5	[Hatched pattern]	4	late Pliocene	⊗	---		10Y 3/1	
6	[Hatched pattern]	5		⊗	---		10Y 3/1	
7	[Hatched pattern]	6		⊗	---	S	10Y 3/1	
8	[Hatched pattern]	6		⊗	---		10Y 3/1	
9	[Hatched pattern]	7		⊗	---		5GY 3/1	
CC						M		



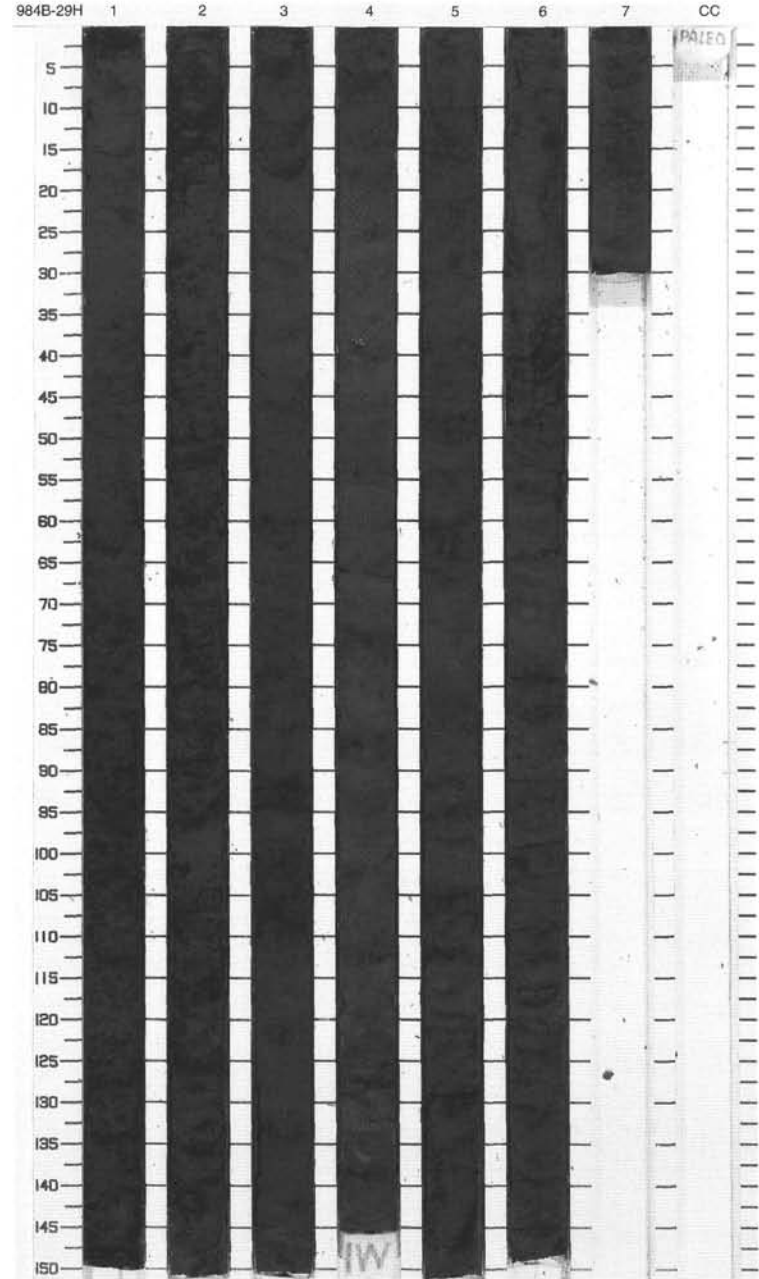
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1				S		<p>CLAY and SILTY CLAY</p> <p>General Description:                      This core contains very dark greenish gray (5GY 3/1) CLAY and very dark gray (5Y 3/1) SILTY CLAY. The sediment is very firm and homogeneous. Slight bioturbation occurs throughout the entire core. A thick, lighter color band is present in Section 2, 100-120 cm. Sediment becomes harder in Section 6, 37-50 cm. A few color bands occur in Sections 2, 3, 5, and 6. Section 1 is very disturbed by drilling procedure. The rest of the core is slightly disturbed.</p>
2	[Dotted pattern]	2		[Cloud pattern]	---		5GY 3/1	
3	[Dotted pattern]	3		[Cloud pattern]	---			
4	[Dotted pattern]	3		[Cloud pattern]	---			
5	[Dotted pattern]	4	late Pliocene	[Cloud pattern]	---			
6	[Dotted pattern]	4		[Cloud pattern]	---			
7	[Dotted pattern]	5		[Cloud pattern]	---	S	5Y 3/1	
8	[Dotted pattern]	6		[Cloud pattern]	---			
9	[Dotted pattern]	6		[Cloud pattern]	---			
	[Dotted pattern]	CC		[Cloud pattern]		M		



## SITE 984 HOLE B CORE 29H

CORED 265.0 - 274.5 mbsf

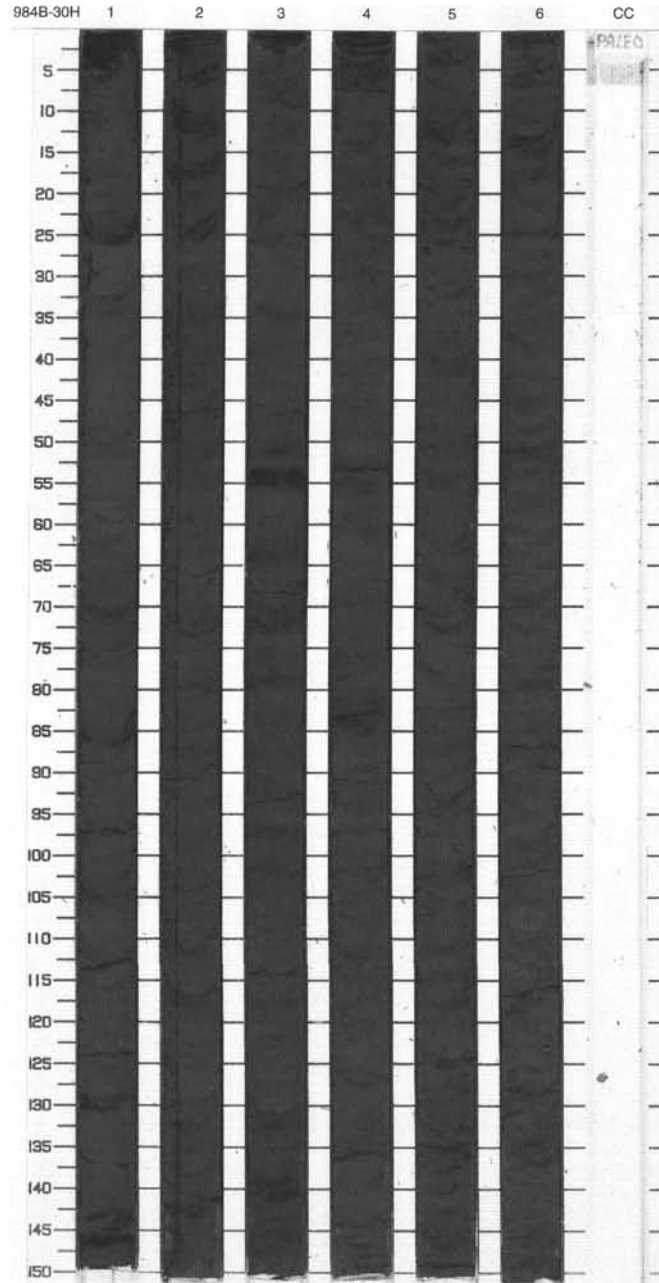
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1			---	S		SILTY CLAY and CLAY WITH SILT AND NANNOFOSSILS  General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY and dark gray (5Y 4/1) CLAY WITH SILT AND NANNOFOSSILS. The sediment is very firm and homogeneous. Color changes are gradational. Slight to moderate bioturbation and color mottling are present throughout the entire core. Sections 1, 2, and 6 are slightly to very disturbed by coring procedure.
2		2					10Y 3/1	
3		3						
4		3						
5		4	late Pliocene			S	5Y 4/1	
6		4				I		
7		5						
8		6					10Y 3/1	
9		6						
		7			---	M		



SITE 984 HOLE B CORE 30H

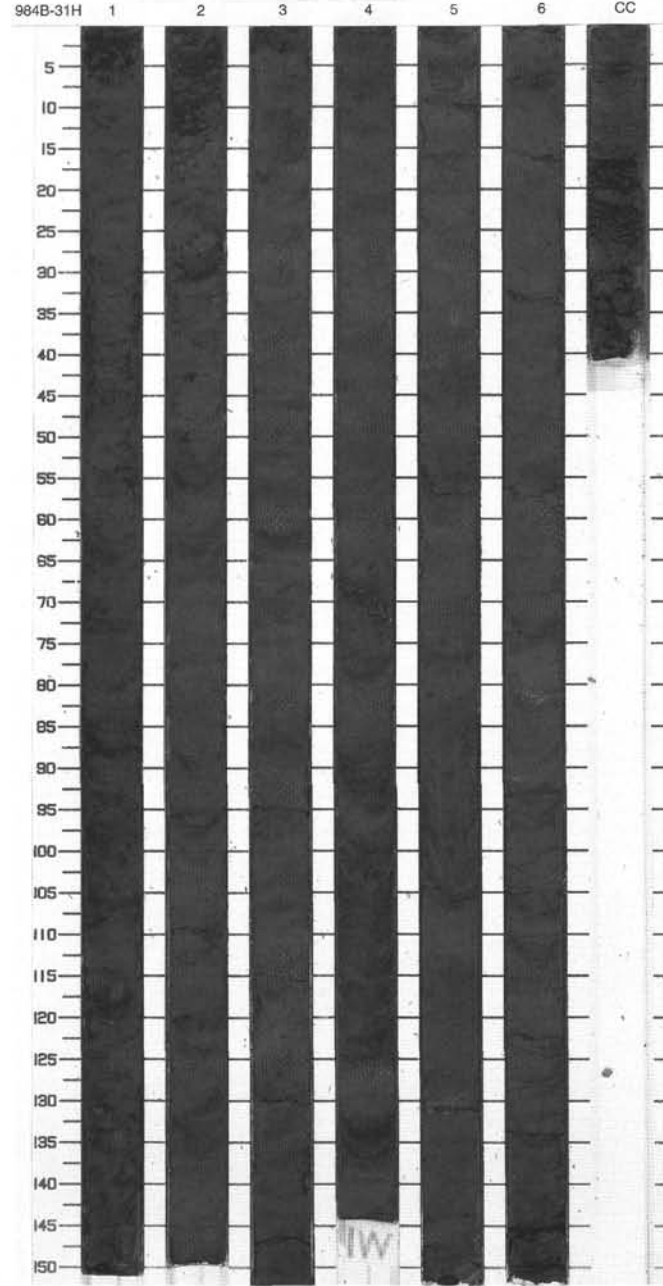
CORED 274.5 - 284.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy line]	W/W			<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) and very dark greenish gray (5GY 3/1) SILTY CLAY. The sediment is very firm and homogeneous. Slight bioturbation and color mottling occur throughout the core. Green and tan color bands are situated in Section 3. Section 1 is disturbed due to drilling procedure.</p>
2	[Hatched pattern]	2		[Wavy line]		S	10Y 3/1	
3	[Hatched pattern]	3		[Wavy line]				
4	[Hatched pattern]	3	late Pliocene	[Wavy line]				
5	[Hatched pattern]	4		[Wavy line]		S	5GY 3/1	
6	[Hatched pattern]	5		[Wavy line]				
6	[Hatched pattern]	6		[Wavy line]		M	10Y 3/1	



SITE 984 HOLE B CORE 31H CORED 284.0 - 293.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1						<p>SILTY CLAY WITH NANNOFOSSIL and NANNOFOSSIL CLAY WITH SILT</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY WITH NANNOFOSSILS interbedded with very dark greenish gray (10Y 3/1) NANNOFOSSIL CLAY WITH SILT. The sediment is very firm and homogeneous. Light gray color bands are interbedded at Section 5, 130-131 cm and Section 6, 80 cm. Small light gray pods are also present around Section 5, 34-40 cm. These light gray color bands are composed mostly of ashes. Color changes in this core are very subtle and gradational throughout. Slight bioturbation occurs in Sections 3 and 4.</p>
2	[Hatched pattern]	2				S	5Y 3/1	
3	[Hatched pattern]	3				S	10Y 3/1	
4	[Hatched pattern]	4				I		
5	[Hatched pattern]	5				S	5Y 3/1	
6	[Hatched pattern]	6						
7	[Hatched pattern]	7						
8	[Hatched pattern]	8						
9	[Hatched pattern]	9						
		CC				M		

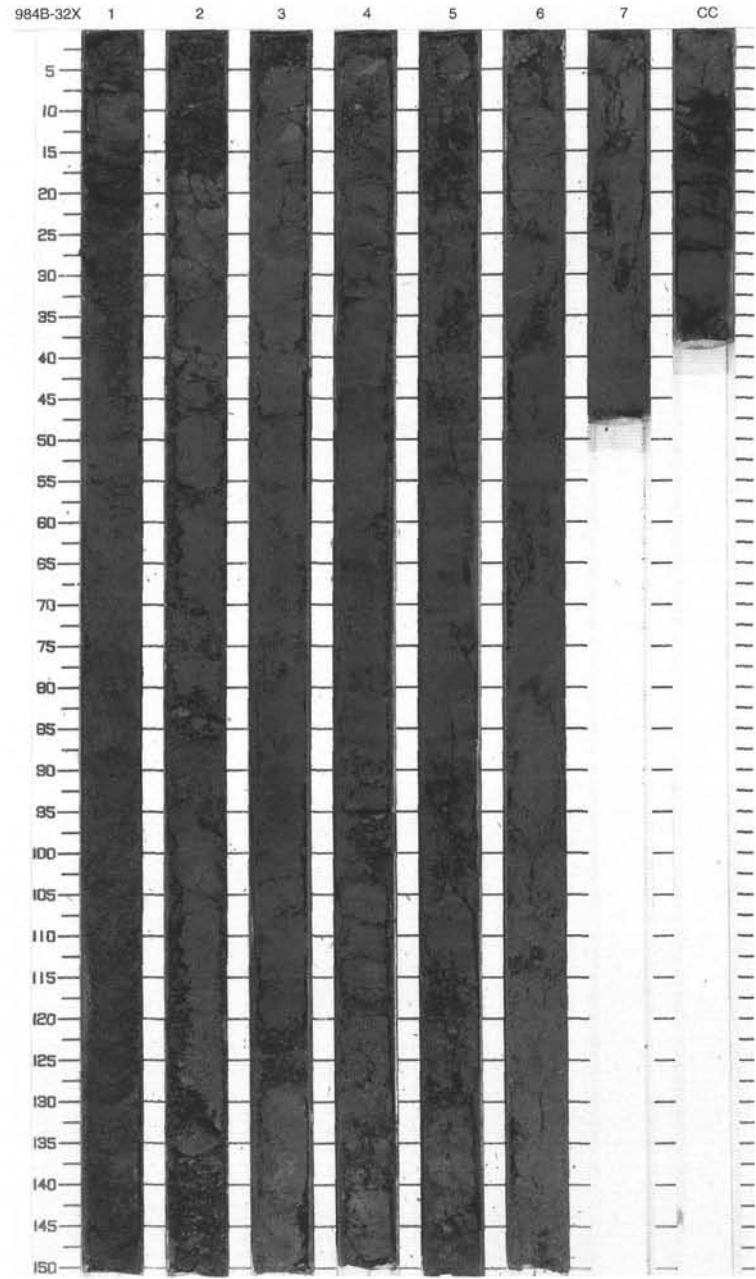




SITE 984 HOLE B CORE 32X

CORED 293.5 - 301.8 mbsf

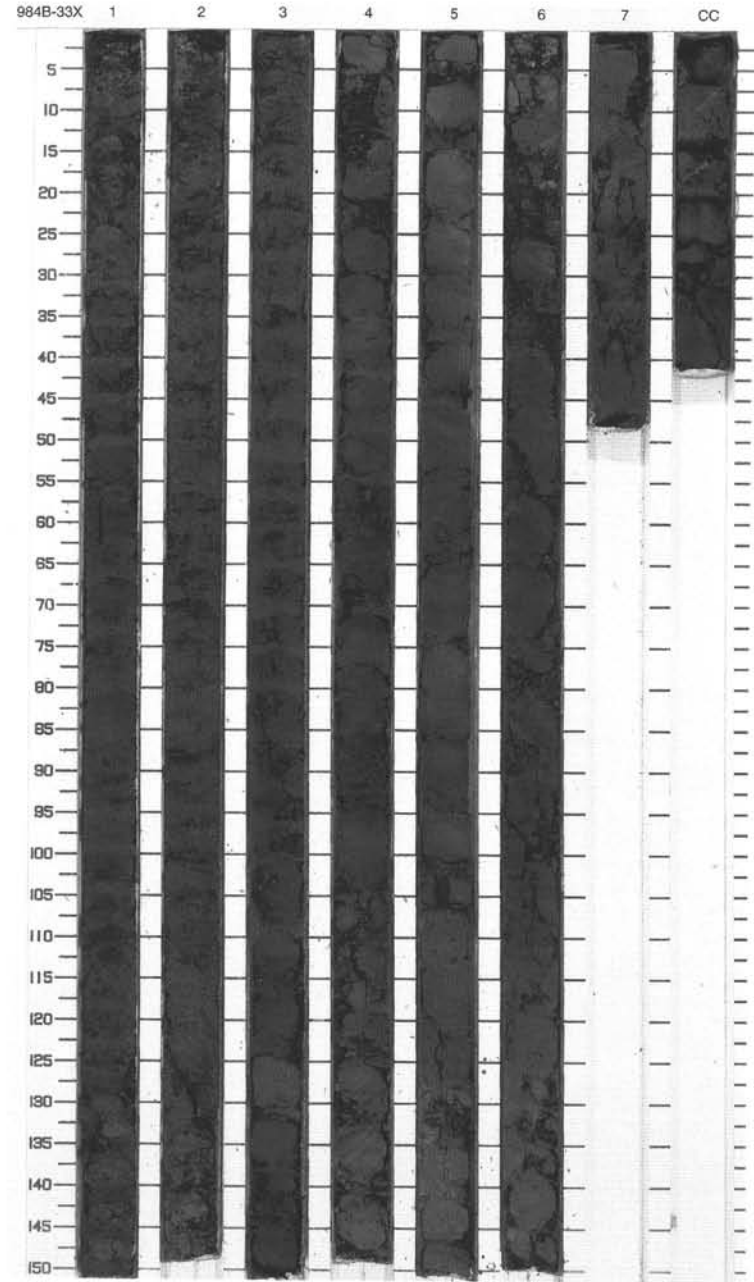
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		W			<b>SILTY CLAY</b>  General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY. The sediment is very hard, homogeneous, and displays a nearly biscuited condition. Several sections contain spread black bands with mottled surface (probable Zoophycus due to the bioturbation). No color changes occur throughout the core. The sediment is slightly to very disturbed.
2	[Hatched pattern]	2		W	S		
3	[Hatched pattern]	3		W			
4	[Hatched pattern]	4	late Pliocene	W		5Y 3/1	
5	[Hatched pattern]	5		W			
6	[Hatched pattern]	6		W			
7	[Hatched pattern]	7		W			
9	[Hatched pattern]	CC		W	M		



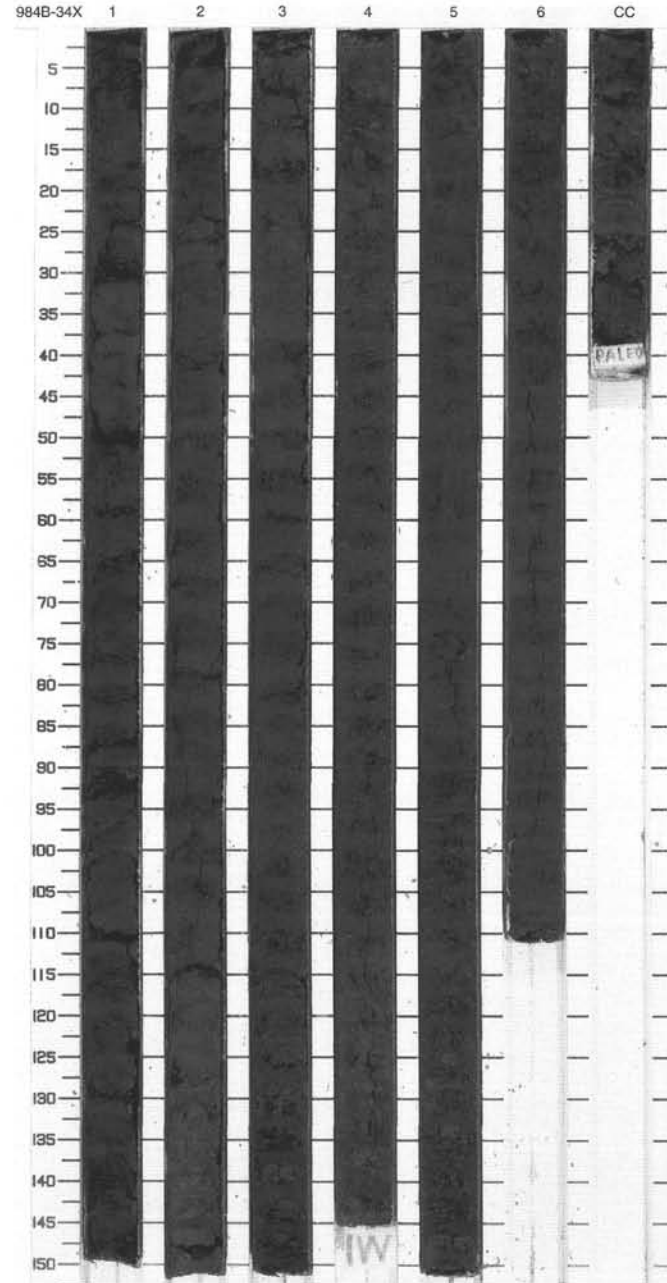
SITE 984 HOLE B CORE 33X

CORED 301.8 - 311.4 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	}	[Wavy line]			<p>NANNOFOSSIL CLAY WITH SILT</p> <p>General Description: This core contains very dark gray (5Y 3/1) NANNOFOSSIL CLAY WITH SILT. The sediment is firm to hard, homogeneous, and highly fractured throughout the core. There are no color changes, but both black burrows and thin black bands (probably volcanic glass and pyrite) occur in all of the sections. A thin green band is present in Section 5, 146-149 cm. A scaphopod fragment occurs in Section 3, 103 cm, and a pyritized burrow is present in Section 7, 25 cm.</p>
2	[Dotted pattern]	2	}	[Wavy line]			
3	[Dotted pattern]	3	}	[Wavy line]	S		
4	[Dotted pattern]	3	}	[Wavy line]			
5	[Dotted pattern]	4	}	[Wavy line]		5Y 3/1	
6	[Dotted pattern]	4	}	[Wavy line]	S		
7	[Dotted pattern]	5	}	[Wavy line]			
8	[Dotted pattern]	6	}	[Wavy line]	(P)		
9	[Dotted pattern]	7	}	[Wavy line]	(P)		
CC	[Dotted pattern]		}	[Wavy line]	M		



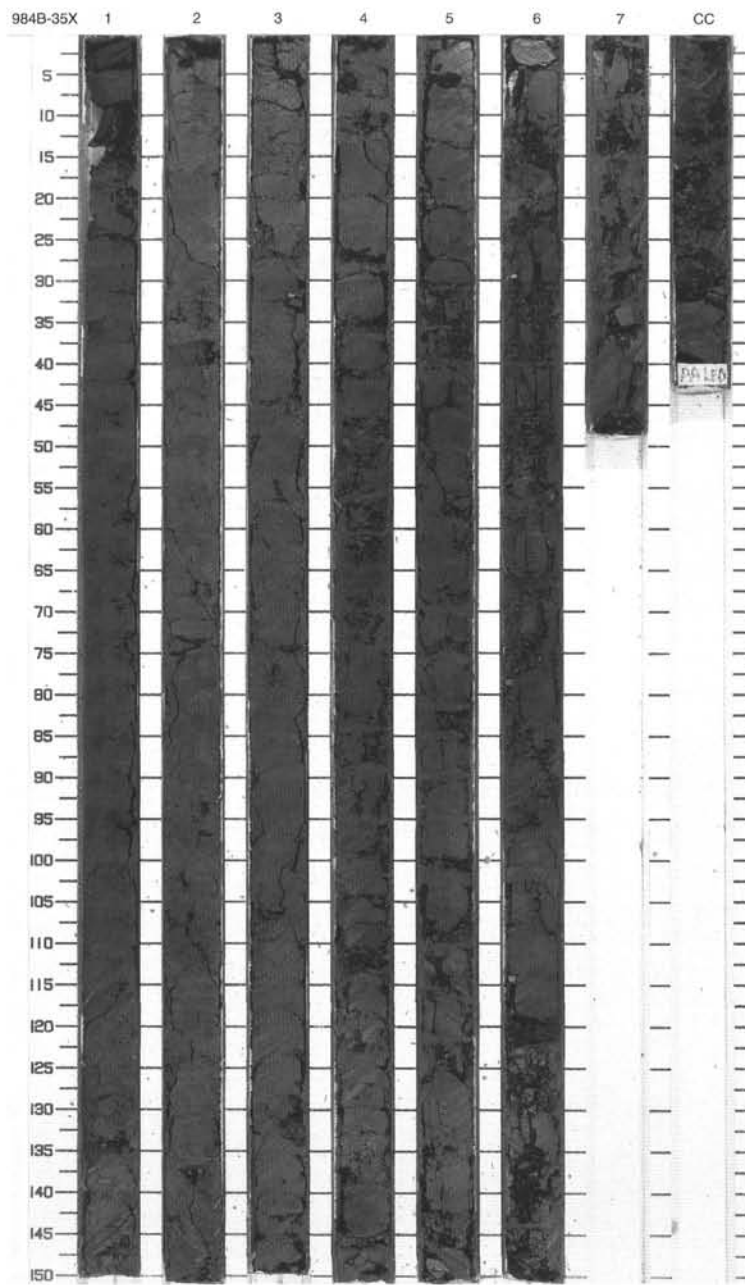
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1			[Wavy pattern]			<p>SILTY CLAY WITH ASH AND NANNOFOSSILS</p> <p>General Description: This core is so severely disturbed that it is difficult to observe much on the core surface. It consists almost exclusively of very dark greenish gray (10Y 3/1) SILTY CLAY WITH ASH AND NANNOFOSSILS with some thinner more glass-rich black areas, shown with the mottled symbol.</p>
2	[Hatched pattern]	2			[Wavy pattern]			
3	[Hatched pattern]	3			[Wavy pattern]			
4	[Hatched pattern]	3	late Pliocene		[Wavy pattern]		10Y 3/1	
5	[Mottled pattern]	4			[Wavy pattern]			
6	[Mottled pattern]	5			[Wavy pattern]			
7	[Mottled pattern]	5			[Wavy pattern]			
8	[Mottled pattern]	6			[Wavy pattern]			
9	[Mottled pattern]	CC			[Wavy pattern]		M	



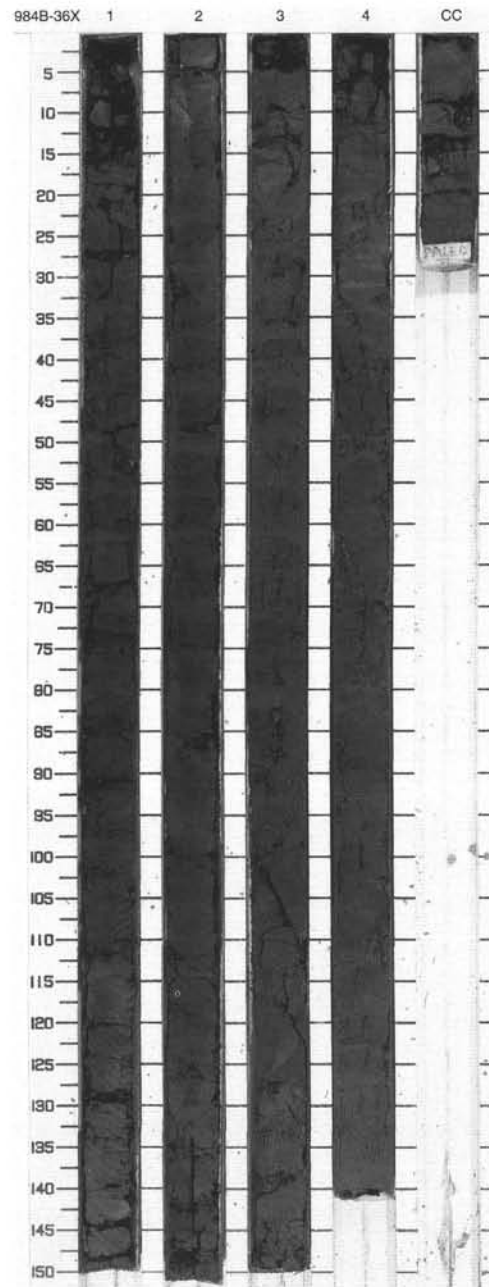
## SITE 984 HOLE B CORE 35X

CORED 321.0 - 330.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		~			10Y 3/1	CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT and SILTY CLAY  General Description: This core contains very dark greenish gray (5GY 3/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT alternating with very dark greenish gray to very dark gray (10Y 3/1 to 5Y 3/1) SILTY CLAY. The sediment is firm to hard, homogeneous, and highly fractured throughout the core. The color changes are subtle and gradational. Black burrows and thin black bands occur in several sections. A shell fragment occurs in Section 3, 31–32 cm. The sediment is coarser in Section 3, 51–60 cm, from Section 3, 139 cm to Section 4, 12 cm, from Section 4, 144 cm to Section 5, 9 cm, and in Section 6, 96–104 cm.
2		2		~		S		
3		3		~			5GY 3/1	
4		4	late Pliocene	~		S		
5		5		~			10Y 3/1	
6		6		~		S		
7		7		~			5Y 3/1	
8		8		~		S		
9		9		~			10Y 3/1	
CC		CC				M		

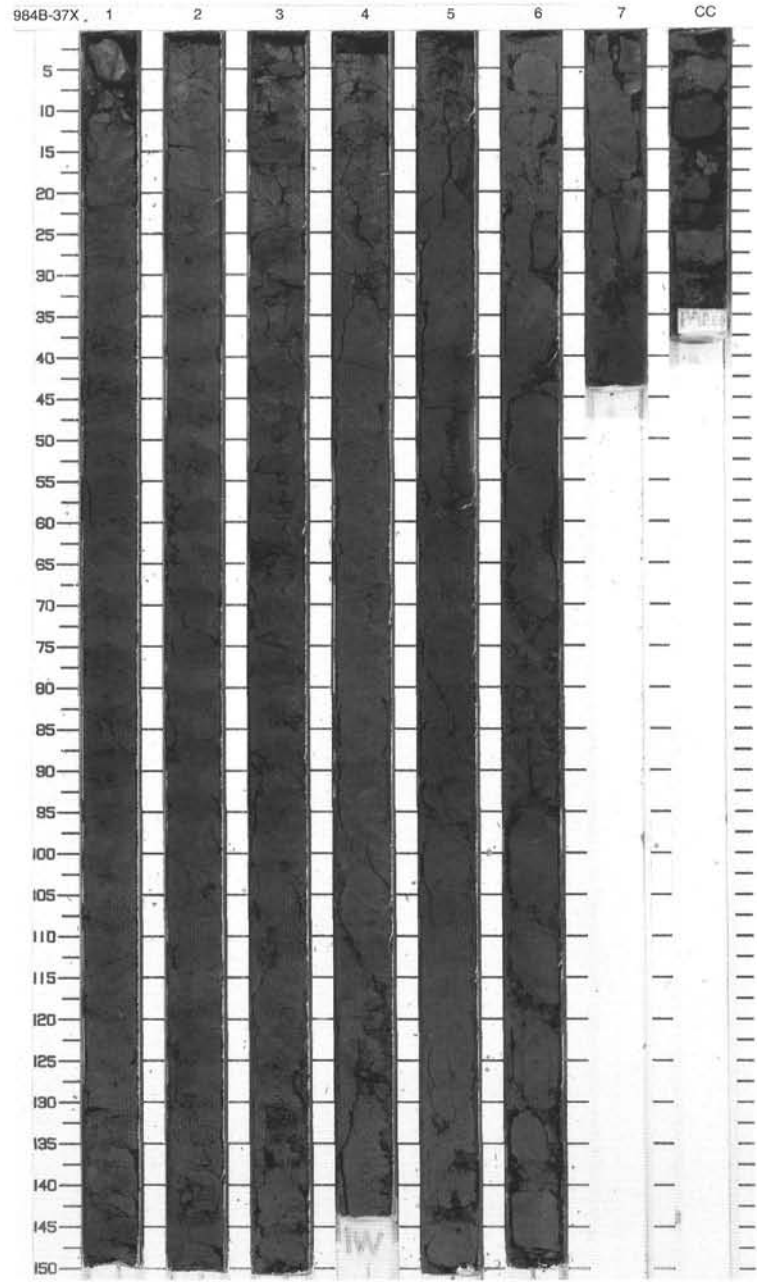


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Pliocene	◇	[Wavy line pattern]	S	10Y 3/1	<p>CLAYEY SILT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) CLAYEY SILT. The sediment is very hard, disturbed, and biscuited throughout. Section 4 contains light green color bands in the upper portion and black color bands in the lower portion. A 4-cm dropstone (probably siltstone) occurs at the top of Section 1. No color changes occur throughout the core, but slightly mottled surfaces are present in Sections 3 and 4.</p>
2	[Hatched pattern]	2						
3	[Hatched pattern]	3						
4	[Hatched pattern]	4		☼				
5	[Hatched pattern]	4		☼				
6	[Hatched pattern]	4		☼				
CC						M		



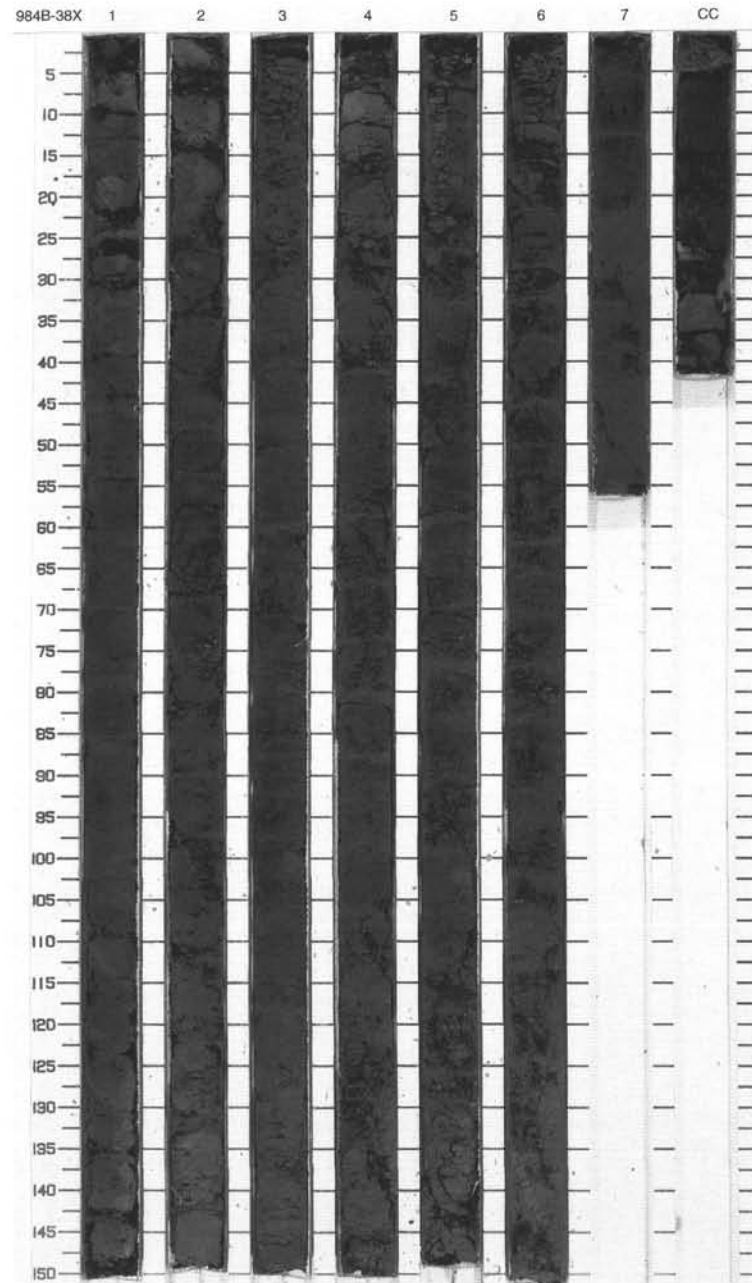
SITE 984 HOLE B CORE 37X CORED 340.2 - 349.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Cross-hatched pattern]	1						<p>CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SPICULES AND QUARTZ, SILTY CLAY and NANNOFOSSIL CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SPICULES AND QUARTZ alternating with very dark greenish gray (10Y 3/1) SILTY CLAY and very dark gray (5Y 3/1) NANNOFOSSIL CLAY. The sediment is firm to hard, homogeneous, and highly fractured throughout the core. The slight color changes (gradational thin black bands) occur in several sections. The sediment is coarser in Section 7, 2-8 cm.</p>
2	[Cross-hatched pattern]	2		~		S	5Y 3/1	
3	[Horizontal dashed pattern]	3		>> ~			10Y 3/1	
4	[Horizontal dashed pattern]	4		>> ~		S	5GY 3/1	
5	[Cross-hatched pattern]	4	late Pliocene	>> ~			10Y 3/1	
6	[Cross-hatched pattern]	4		>> ~		I	5GY 3/1	
7	[Horizontal dashed pattern]	5		~			10Y 3/1	
8	[Horizontal dashed pattern]	6		~		S	10Y 3/1	
9	[Cross-hatched pattern]	7		~		M	5Y 3/1	
		CC						



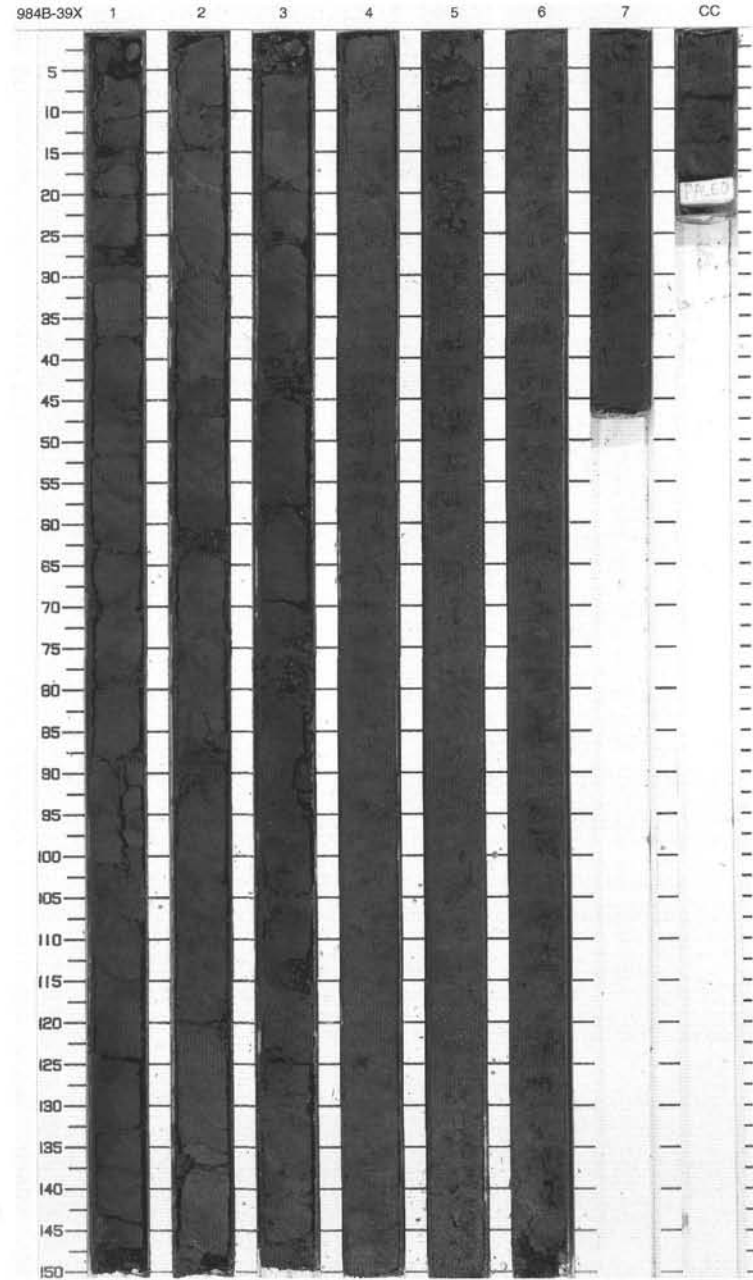


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1			W			<p><b>SILTY CLAY</b></p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY. The sediment is very firm and homogeneous. The sediment is biscuited and moderately to highly disturbed throughout the core. Small gray pods (possibly due to bioturbation) occur from Sections 2 to 7. No color changes occur throughout the core.</p>
2	[Hatched pattern]	2			W	S		
3	[Hatched pattern]	3		~	W			
4	[Hatched pattern]	4		~	W			
5	[Hatched pattern]	4	late Pliocene	~	W		10Y 3/1	
6	[Hatched pattern]	5		~	W			
7	[Hatched pattern]	6		~	W			
8	[Hatched pattern]	6		~	W			
9	[Hatched pattern]	7		~	W			
	[Hatched pattern]	CC			W	M		



SITE 984 HOLE B CORE 39X CORED 359.4 - 369.1 mbsf

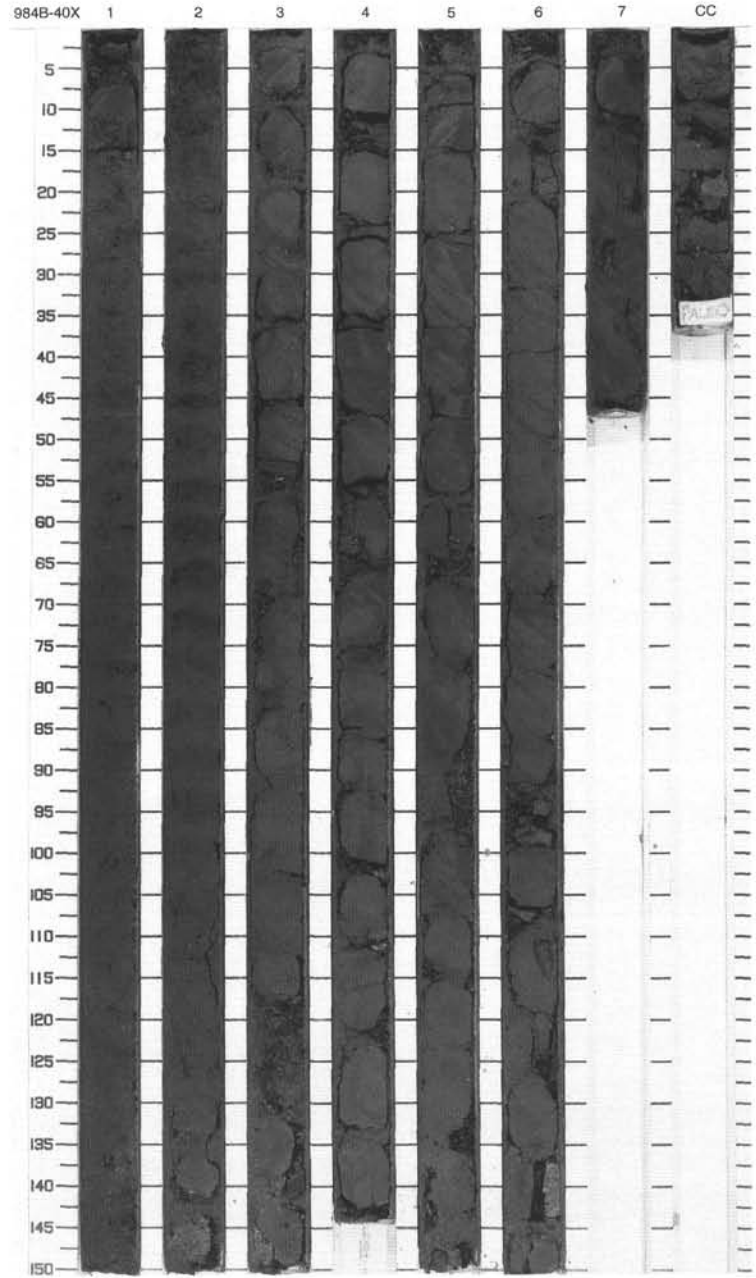
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		◇				<p>SILTY CLAY and NANNOFOSSIL CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY and very dark greenish gray (5GY 3/1) NANNOFOSSIL CLAY. Sections 1-3 are moderately fractured and Sections 4-7 are biscuited by drilling procedure. The sediment is very hard, moderately bioturbated, and color mottled in Sections 4-7. No color changes occur. A gray, rounded, 2.6-cm dioritic dropstone is present at the top of Section 1.</p>
2	[Hatched pattern]	2				S	10Y 3/1	
3	[Hatched pattern]	3						
4	[Hatched pattern]	4	late Pliocene	[Wavy pattern]				
5	[Dotted pattern]	5		[Wavy pattern]		S	5GY 3/1	
6	[Dotted pattern]	6		[Wavy pattern]				
7	[Dotted pattern]	7		[Wavy pattern]				
8	[Dotted pattern]	CC						
9	[Dotted pattern]					M		



SITE 984 HOLE B CORE 40X

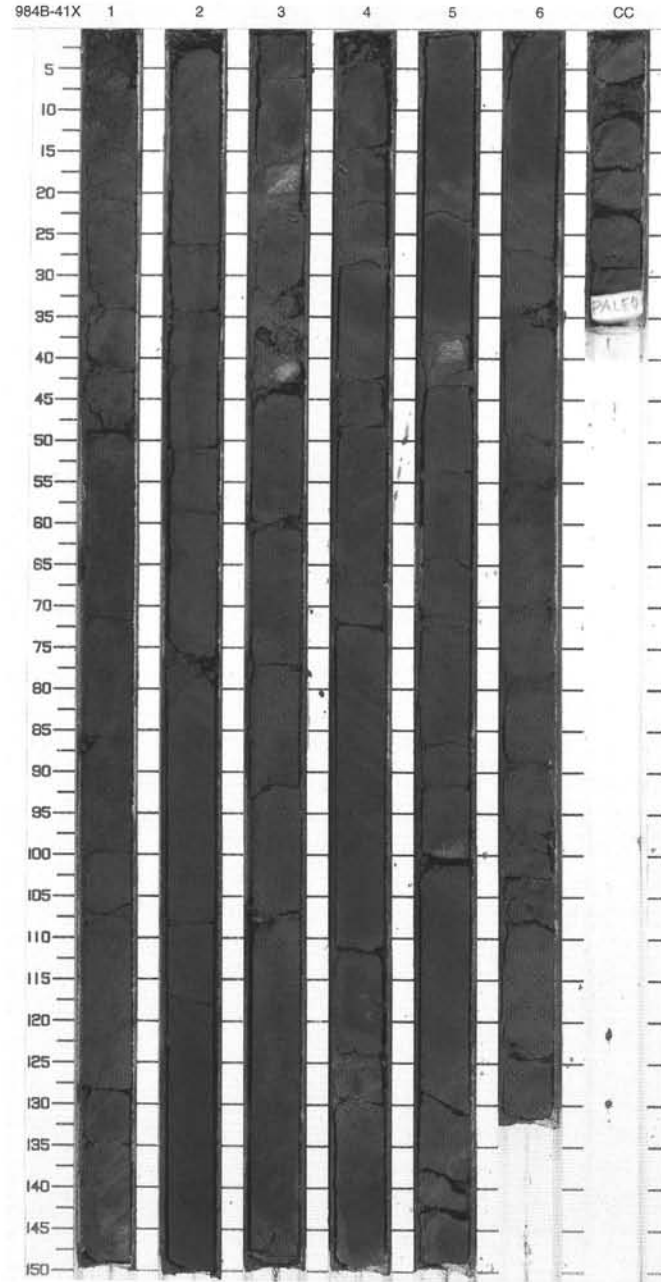
CORED 369.1 - 378.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		»» } }	[Wavy line]	S	10Y 3/1	<p>SILTY CLAY and CLAY WITH SILT AND NANNOFOSSILS</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) CLAY WITH SILT AND NANNOFOSSILS and very dark greenish gray (5GY 3/1) SILTY CLAY. Sections 1 and 2 are biscuited. Sections 2-7 are moderately fractured. The sediment is massive, and no sedimentary features can be observed. A green layer is present in Section 3, 30-35 cm, and a dark color band is present in Section 5, 10-12 cm.</p>
2	[Dotted pattern]	2		}	[Wavy line]			
3	[Horizontal line]	3		}	[Vertical line]			
4	[Horizontal line]	4		}	[Vertical line]			
5	[Horizontal line]	4	late Pliocene	}	[Vertical line]			
6	[Horizontal line]	6		}	[Vertical line]	I		
7	[Horizontal line]	5		}	[Vertical line]	S	5GY 3/1	
8	[Horizontal line]	6		}	[Vertical line]			
9	[Horizontal line]	7		}	[Vertical line]			
CC		CC		}	[Vertical line]	M		

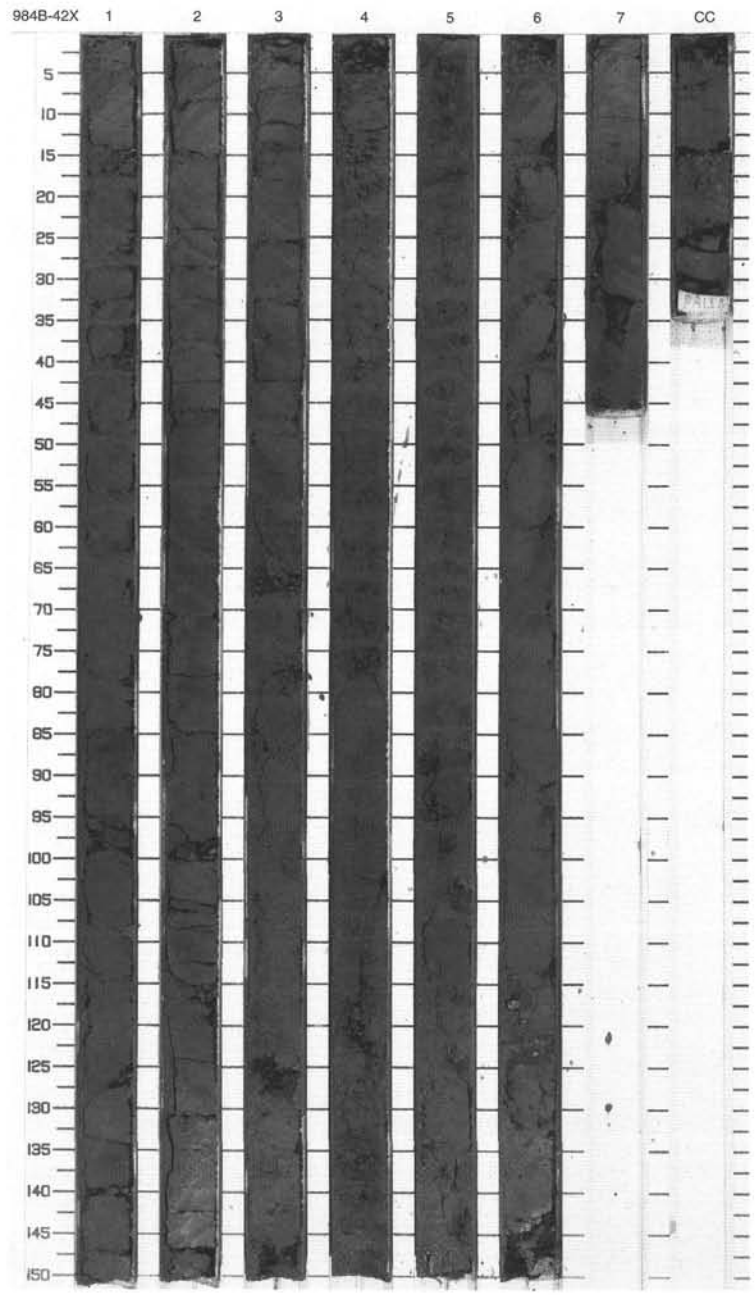


SITE 984 HOLE B CORE 41X CORED 378.7 - 388.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		}}	+	S		<p>CLAY WITH SILT and SILTY CLAY WITH ASH</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY WITH ASH and dark gray (5Y 4/1) CLAY WITH SILT. The sediment is very hard and slightly bioturbated throughout the entire core. Color changes are minor. The sediment is moderately fractured throughout the entire core.</p>
2	[Hatched pattern]	2		}}	+		10Y 3/1	
3	[Dotted pattern]	3		}}	+		5GY 4/1	
4	[Dotted pattern]	4	late Pliocene	}}	+	S	10Y 3/1	
5	[Dotted pattern]	5		}}	+		5Y 4/1	
6	[Dotted pattern]	6		}}	+		10Y 3/1	
7	[Dotted pattern]	7		}}	+			
8	[Dotted pattern]	8		}}	+			
9	[Dotted pattern]	9		}}	+			
		CC				M		



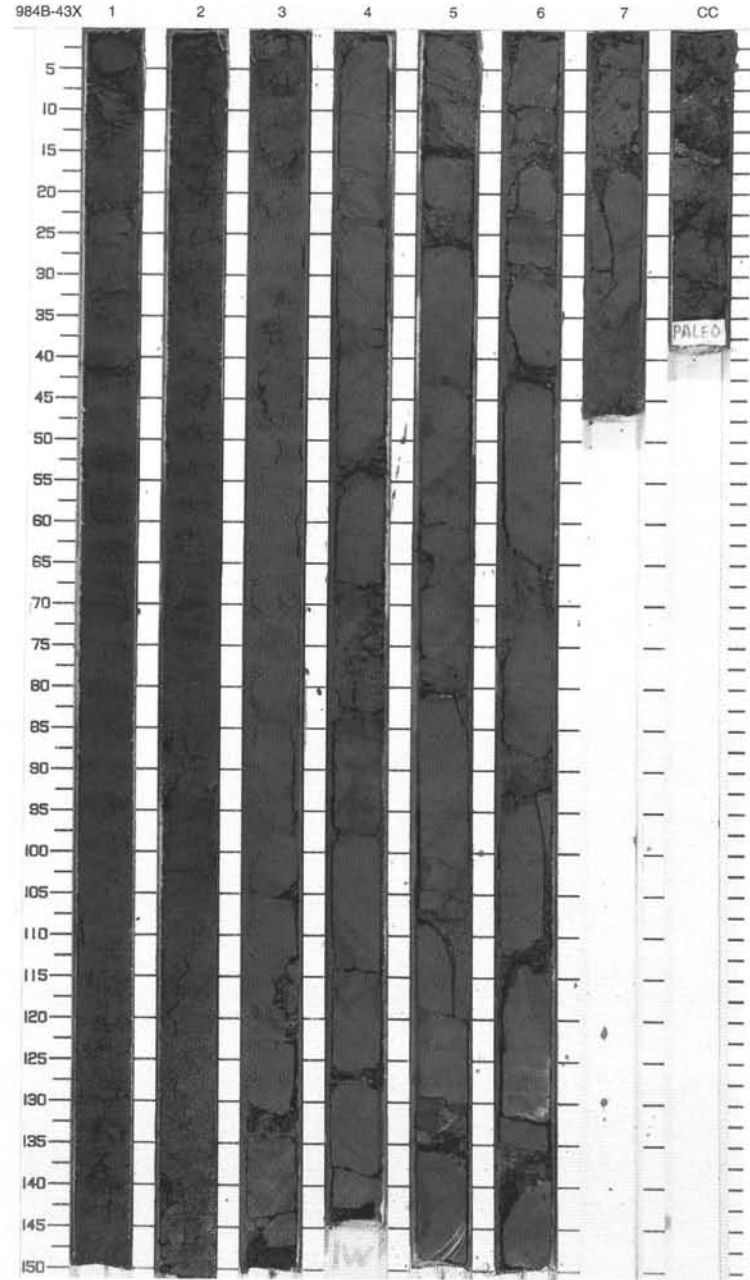
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		}}				<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1 and 5Y 3/1) SILTY CLAY. The sediment is very hard, and slightly bioturbated throughout. Sections 1-3 and 6-7 are moderately fractured. Sections 4 and 5 are highly fractured (biscuited) and sedimentary features are difficult to observe.</p>
2	[Hatched pattern]	2		}}		S		
3	[Hatched pattern]	3		}}				
4	[Hatched pattern]	3		}}				
5	[Hatched pattern]	4	late Pliocene	}}			10Y 3/1	
6	[Hatched pattern]	4		}}				
7	[Hatched pattern]	5		}}				
8	[Hatched pattern]	5		}}				
9	[Hatched pattern]	6		}}				
	[Hatched pattern]	6		}}				
	[Hatched pattern]	7		}}				
	[Hatched pattern]	7		}}				
	[Hatched pattern]	7		}}				
	[Hatched pattern]	7		}}				
	[Hatched pattern]	CC				S M		



SITE 984 HOLE B CORE 43X

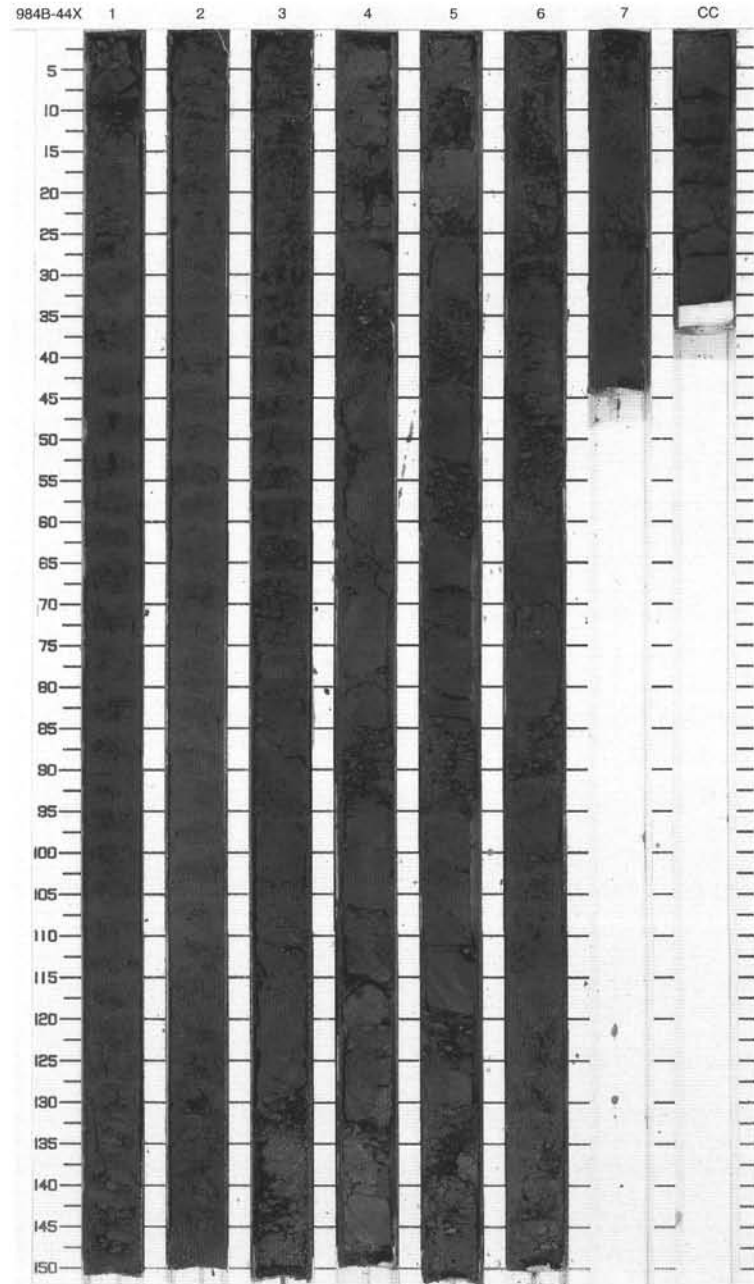
CORED 398.0 - 407.6 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		[Vertical line]			<p>NANNOFOSSIL CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) NANNOFOSSIL CLAY. The sediment is hard, massive, homogeneous, and slightly bioturbated throughout the entire core. No color changes occur in the core. Sections 1, 2, and 7 are biscuited. The rest of the core is moderately fractured.</p>
2	[Dotted pattern]	2		[Vertical line]			
3	[Dotted pattern]	3	}}	[Vertical line]	S		
4	[Dotted pattern]	4	}}	[Vertical line]		10Y 3/1	
5	[Dotted pattern]	4	}}	[Vertical line]			
6	[Dotted pattern]	4	}}	[Vertical line]	I		
7	[Dotted pattern]	5	}}	[Vertical line]			
8	[Dotted pattern]	6	}}	[Vertical line]			
9	[Dotted pattern]	7	}}	[Vertical line]			
CC				[Vertical line]	M		



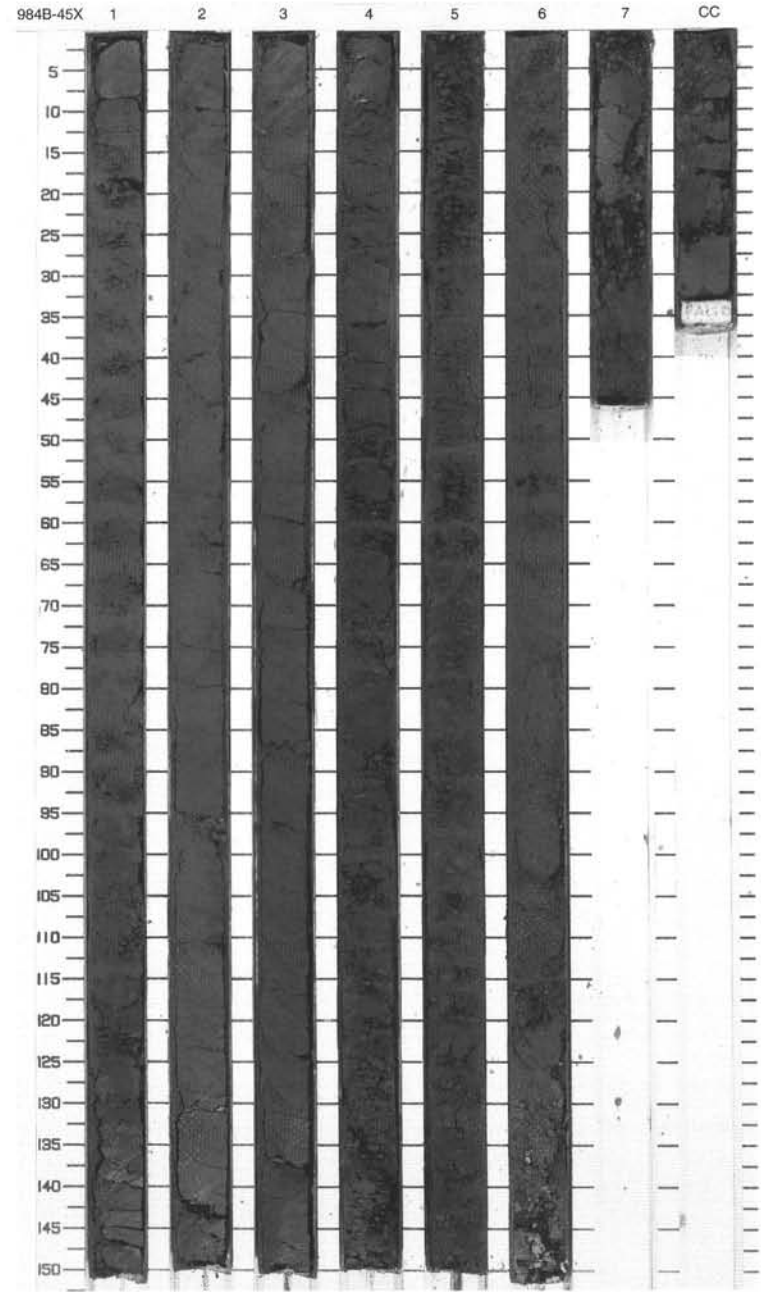


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0		1		~	+			<p>CLAY WITH SILT and CLAY WITH SILT AND NANNOFOSSILS</p> <p>General Description:                      This core contains very dark greenish gray (10Y 3/1) CLAY WITH SILT AND NANNOFOSSILS and very dark greenish gray (5GY 3/1) CLAY WITH SILT. The sediment is compact, firm, and homogeneous. Slight bioturbation occurs throughout the entire core. Section 1, 20–150 cm, all of Section 2, Section 3, 0–75, Section 6, 100–150 cm, and Section 7 are biscuited. The rest of the core is moderately fractured. A 20-cm-long vertical filled burrow is present in Section 1, 0–20 cm. A dark filled burrow is present in Section 1, 43–56.</p>
1		2		~	+		10Y 3/1	
2		3		~	+	S		
3		4	late Pliocene	~	+			
4		5		~	+	S	5GY 3/1	
5		6		~	+			
6		7		~	+			
7		CC		~	+	M		



SITE 984 HOLE B CORE 45X CORED 417.3 - 426.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0								
1		1		}}	+			<p>SILTY CLAY and CLAY WITH SILT AND NANNOFOSSILS</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) CLAY WITH SILT AND NANNOFOSSILS and very dark gray (5Y 3/1) SILTY CLAY. The sediment is massive, homogeneous, and slightly to moderately bioturbated. Color mottles occurs throughout the entire core. Section 1, 15-130 cm, Section 4, 70-150, and Sections 5-7 are biscuited. The rest of the core is moderately fractured.</p>
2		2		}}	+		10Y 3/1	
3		3		}}	+		S	
4		3		}}	+		S	
5		4	late Pliocene	}}	+		S	
6		4		}}	+		S	
7		5		}}	+		5Y 3/1	
8		6		}}	+		5Y 3/1	
9		7		}}	+		5Y 3/1	
10		CC			+		M	



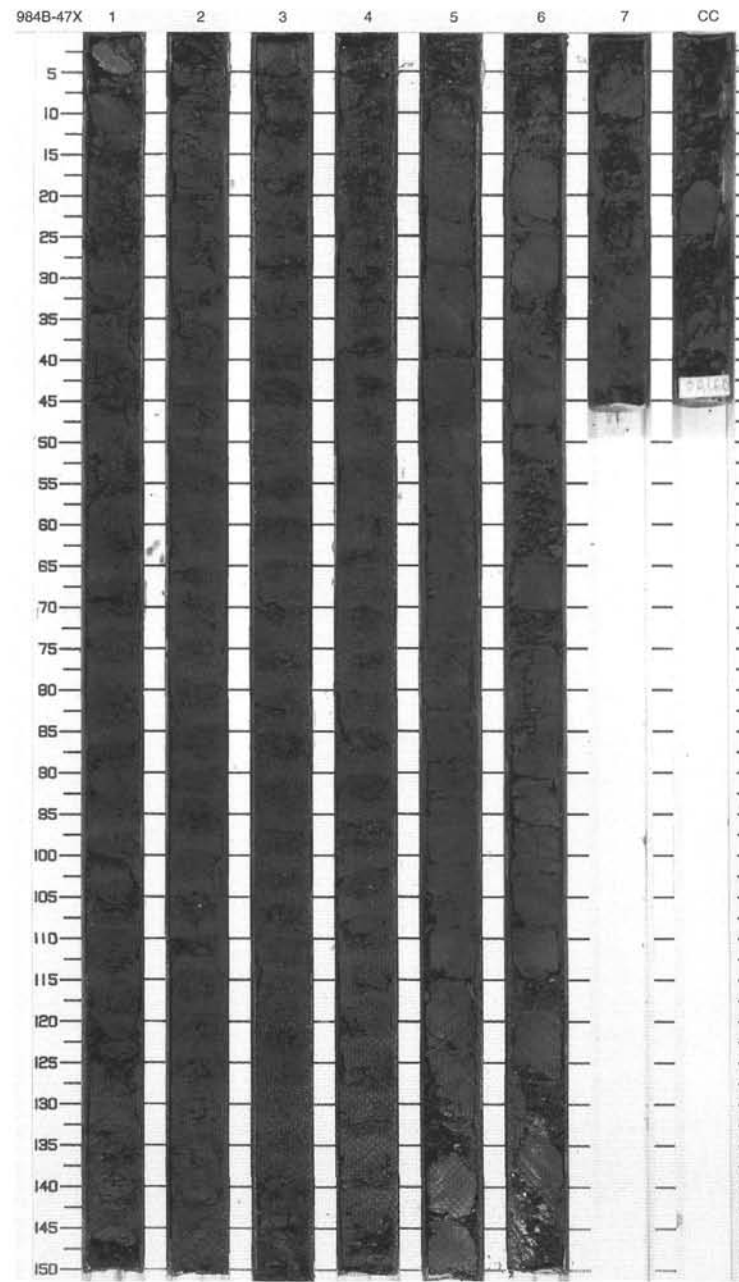


## SITE 984 HOLE B CORE 47X

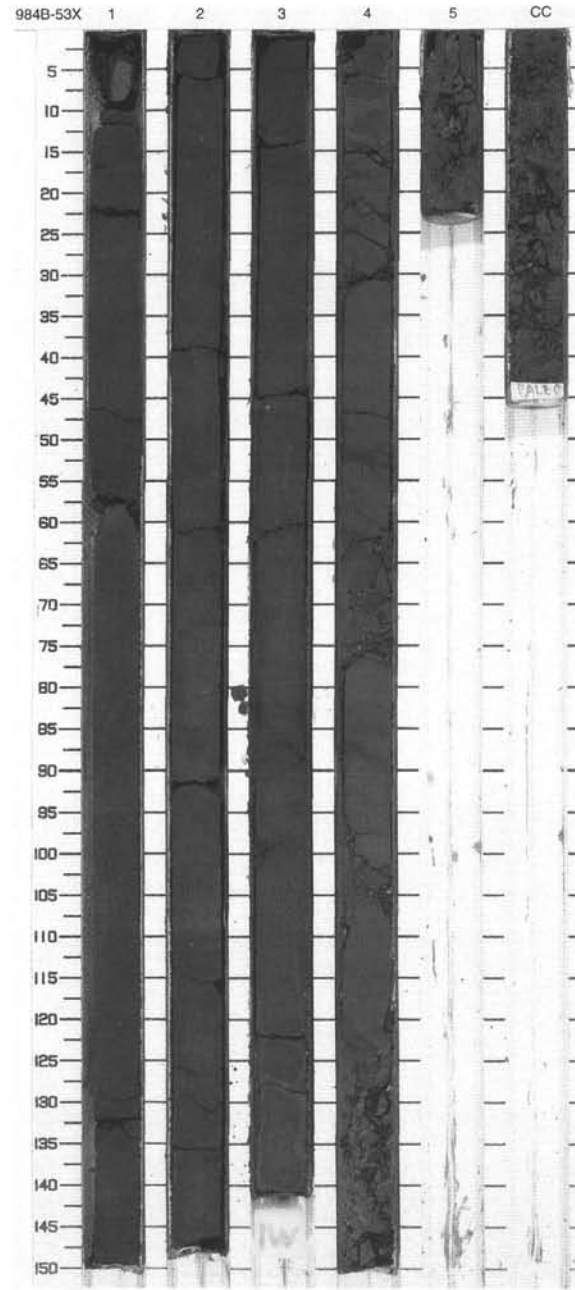
CORED 436.5 - 446.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1				S	5Y 3/1	CLAY WITH SILT and SILTY CLAY WITH NANNOFOSSILS  General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY WITH NANNOFOSSILS and very dark gray (5Y 3/1) CLAY WITH SILT. The sediment is massive and slightly bioturbated throughout. Section 1, 30-150, Sections 2, 3, 4, and Section 5, 0-10 cm are biscuited. The rest of the core is moderately fractured due to drilling procedure. Sedimentary features are difficult to observe due to disturbance.
2		2						
3		3					10Y 3/1	
4		3						
5		4	late Pliocene					
6		4						
7		5				S		
8		6					5Y 3/1	
9		7						
		CC				M		

984B-48X NO RECOVERY  
 984B-49X NO RECOVERY  
 984B-50X NO RECOVERY  
 984B-51X NO RECOVERY  
 984B-52X NO RECOVERY



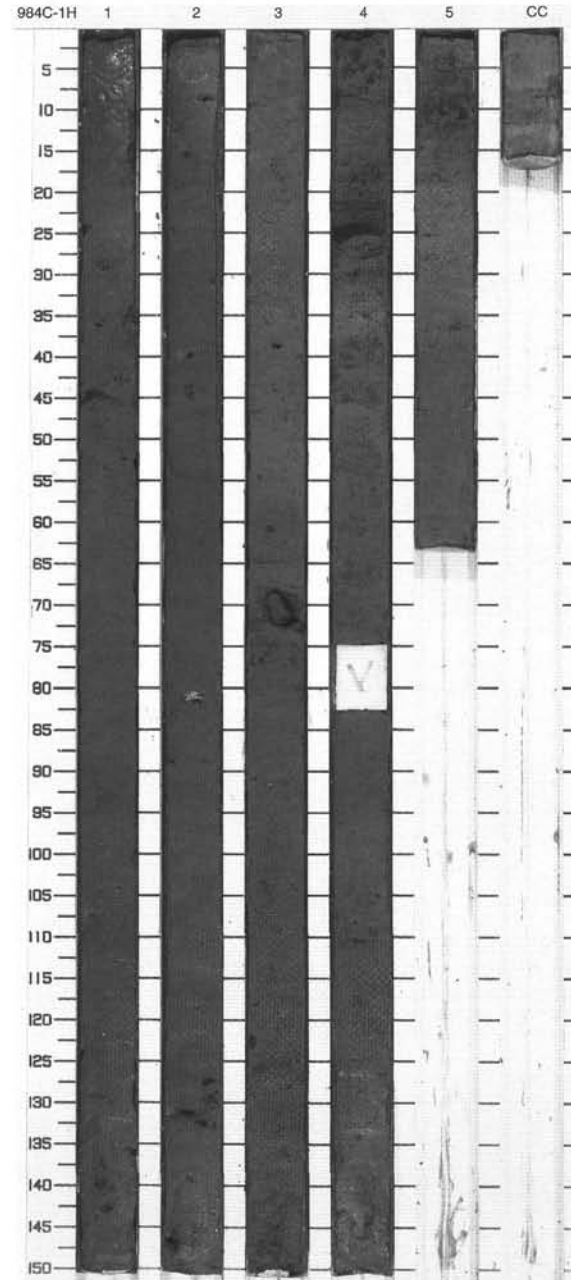
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Pliocene		w	S	10Y 3/1	<p>SILTY CLAY and SILTY CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains two dominant lithologies. Very dark greenish gray (10Y 3/1) SILTY CLAY occurs in Sections 1-3, and very dark gray (5Y 3/1) SILTY CLAY WITH NANNOFOSSIL in Sections 4-5. The sediment is moderately fractured throughout the core. Sections 4-5 contain slight bioturbation traces. All color changes are gradational. The top of Section 1 contains a dropstone (6.0-cm, probably igneous).</p>
2	[Hatched pattern]	2			±			
3	[Hatched pattern]	3			±			
4	[Hatched pattern]	4			±			
5	[Hatched pattern]	5			±			
6	[Hatched pattern]	CC		w	I	5Y 3/1		
				w	S			
				w	M			



## SITE 984 HOLE C CORE 1H

CORED 0.0 - 6.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	} A*	-	S	10Y 4/1	<p>SILTY CLAY and CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH FORAMINIFERS</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH FORAMINIFERS and dark gray (5Y 4/1) SILTY CLAY. Brown ash is a minor component in the CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH FORAMINIFERS. The SILTY CLAY has minimal biogenic sediment. Color mottling and slight bioturbation occur throughout. The color changes are gradational. An ash layer with a sharp base and gradational top occurs in Section 4, 20-25 cm. Several thin ash laminations occur 2-5 cm above the ash bed. Ash pods occur in Section 1 at 27, 45, and 133 cm. A basalt pebble (4.4-cm) occurs in Section 3, 50 cm. Small pebbles occur within the SILTY CLAY in Section 2. Several beds containing shells occur throughout Sections 1-2. A layer containing pteropods occurs in Section 2, 146-150. The uppermost 10 cm of Section 1 is disturbed.</p>
1		1		} A*		S		
2		2		} A*		S		
2		2		} Ø		S		
3		3		} Ø		S		
3		3		} Ø		S		
4		4	} Ø		S	5Y 4/1		
4		4	} -A		S			
5	Void	4	} -A		S	5Y 4/1		
5		5	} -A		S			
6		5	} -A		S	5Y 4/1		
6		5	} -A		S			
		CO			M			

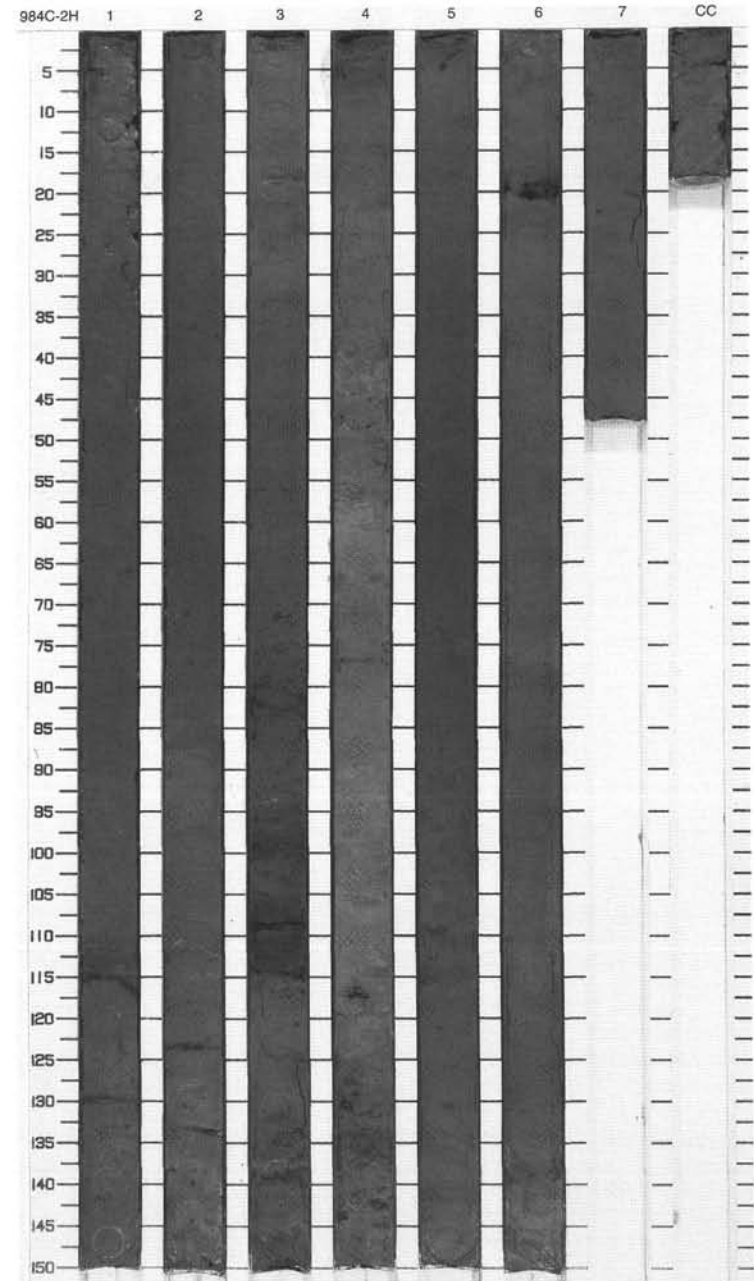




SITE 984 HOLE C CORE 2H

CORED 6.8 - 16.3 mbsf

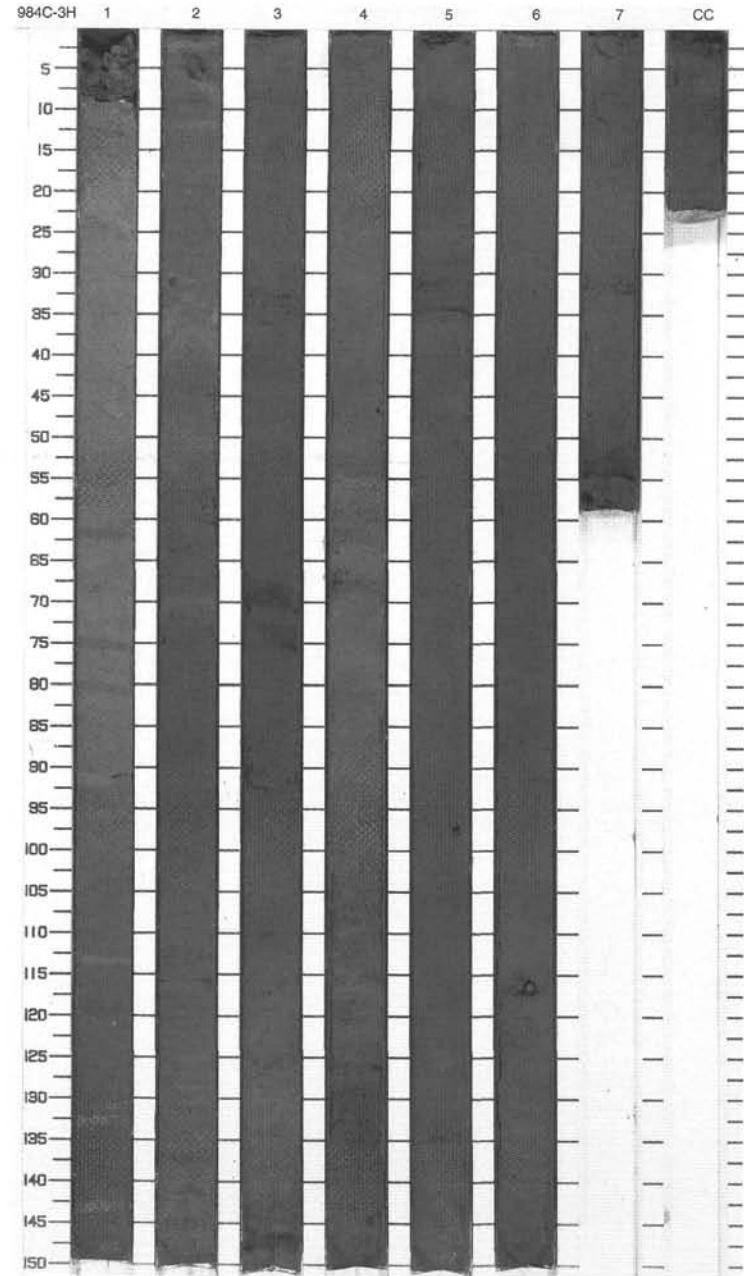
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		~			5Y 4/1	<p>CLAY WITH SILT and CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT</p> <p>General Description:                      This core contains homogeneous dark gray to dark greenish gray (5Y 4/1 to 10Y 4/1) CLAY WITH SILT and dark greenish gray (10Y 5/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT. The color changes are gradational, except at the base of the ash layers. Thin green color bands and mm-sized brown and black burrows occur throughout the core. Volcanic ash layers are present in Section 1, 114-116 cm, Section 3, 109-110 cm, and in Section 6, 18-21 cm. The coarse fraction (probably foraminifers) increases from Section 3, 145 to Section 4, 5 cm, and from Section 4, 130 cm to Section 5, 4 cm. The uppermost 25 cm of the core is slightly disturbed.</p>
2	[Dotted pattern]	2		~			10Y 4/1	
3	[Dotted pattern]	3		~			5Y 4/1	
4	[Dotted pattern]	4		~			10Y 5/1	
5	[Dotted pattern]	5		~			5Y 3/1	
6	[Dotted pattern]	6		~			10Y 4/1	
7	[Dotted pattern]	7		~				
		CC				M		



## SITE 984 HOLE C CORE 3H

CORED 16.3 - 25.8 mbsf

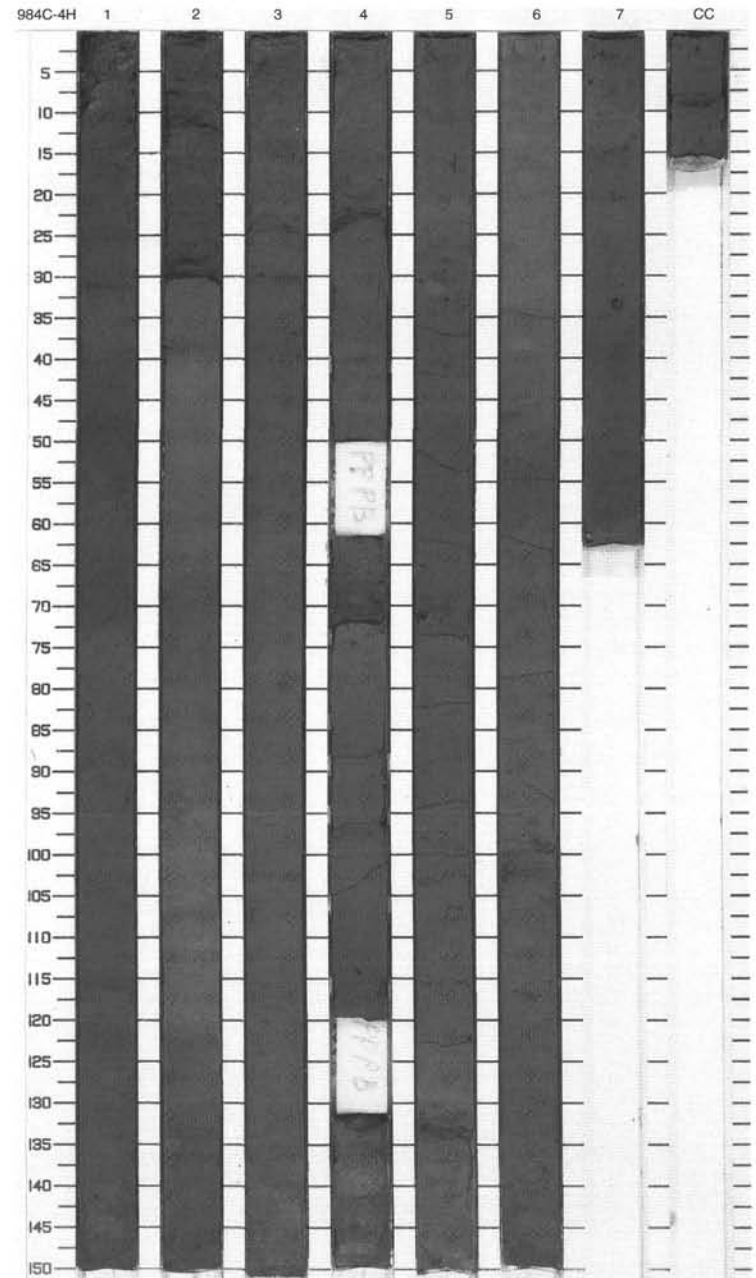
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene		○	S	5Y 6/1	<p>NANNOFOSSIL MIXED SEDIMENT WITH CLAY AND SPICULES and SILTY CLAY</p> <p>General Description: This core contains gray (5Y 5/1) NANNOFOSSIL MIXED SEDIMENT WITH CLAY AND SPICULES and dark greenish gray (10Y 4/1 to 3/1) to dark gray (5Y 4/1) SILTY CLAY. The upper portion of Section 1 (0-8 cm) is very soft and soupy. The core contains many small size (&lt; 1-cm) DROPSTONES which are spread throughout. A 1.7-cm sedimentary dropstone is present at Section 6, 115 cm. All color changes are gradational. Slight bioturbation occurs in almost every section. The lower portion of Section 1 and upper portion of Section 2 contain several distinct zoophycos trace fossils. Disseminated pyrite and concrete pyrite also occur in several layers. The top of Section 2 contains foraminifers-rich coarse sediment. The lower part of Section 5 contains an ash pod and the boundary of the Core Catcher and Section 7 contains a volcanic ash layer (1-cm-thick black color band).</p>
2		2					10Y 4/1 To 10Y 3/1	
3		3						
4		4						
5		5					5Y 4/1	
6		6						
7		7						
8		8			S	10Y 4/1		
9		9						
CC		CC		-A				



SITE 984 HOLE C CORE 4H

CORED 25.8 - 35.3 mbsf

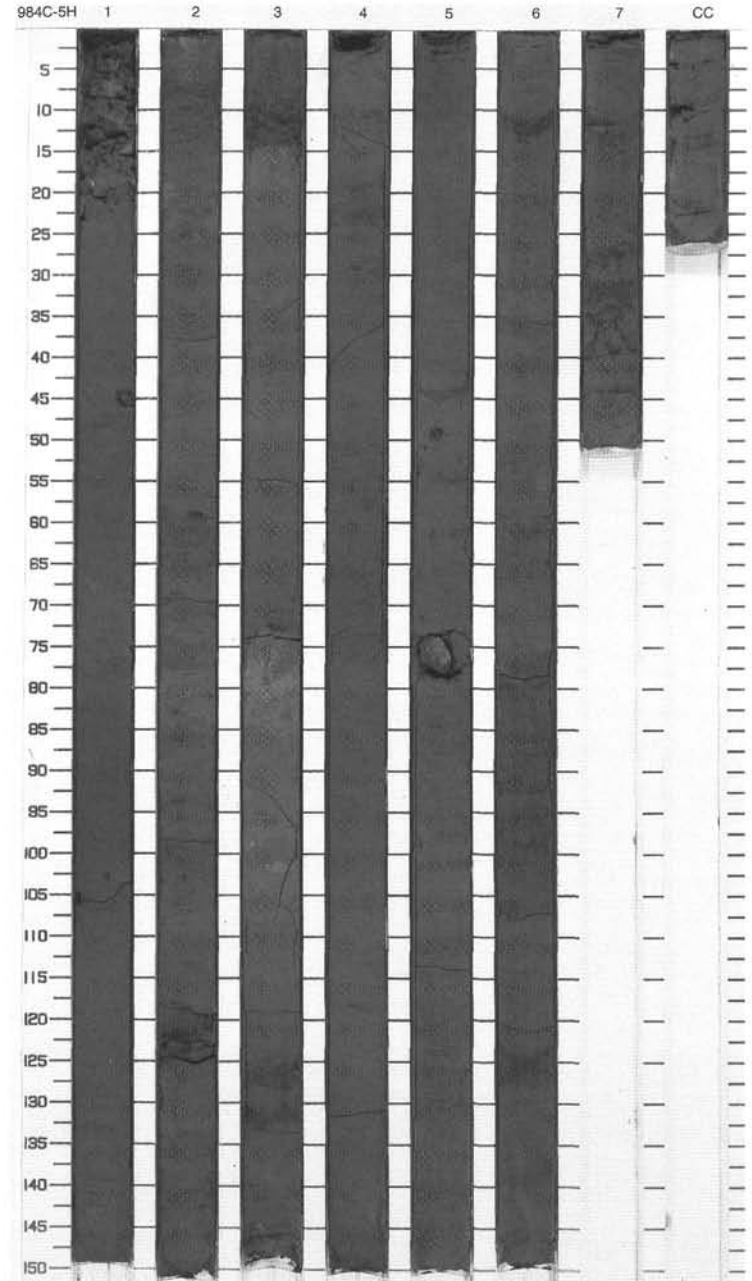
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		~			10Y 3/1	<p>SILTY CLAY WITH NANNOFOSSILS and CLAYEY NANNOFOSSIL MIXED SEDIMENT</p> <p>General Description: This core contains homogeneous dark gray to dark greenish gray (5Y 4/1 to 10Y 4/1) SILTY CLAY WITH NANNOFOSSILS and dark greenish gray (10Y 5/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT. The color changes are gradational, except of the color changes at the base of the ash layers. Thin greenish color bands occur in several intervals. Volcanic ash layers are present in Section 2, 10-12 and 28-30 cm, and in Section 6, 20-23 and 69-71 cm. The content of foraminifers increase from Section 2, 137 cm to Section 3, 5 cm. A basaltic 1.1-cm-sized dropstone is present in Section 7, 33-34 cm.</p>
1	[Hatched pattern]	1		~		5Y 3/1		
2	[Hatched pattern]	2		~	-A	5GY 3/1		
2	[Hatched pattern]	2		~	-A	10Y 4/1		
3	[Hatched pattern]	3		~		5GY 4/1		
4	[Hatched pattern]	3		~		10Y 4/1		
5	[Hatched pattern]	4	Pleistocene	~	-A	5GY 3/1		
6	[Hatched pattern]	4		~	-A	10Y 4/1		
7	[Hatched pattern]	5		~	P	5Y 3/1		
8	[Hatched pattern]	6		~		10Y 4/1		
9	[Hatched pattern]	7		~		10Y 3/1		
	[Hatched pattern]	CC		~		M		



## SITE 984 HOLE C CORE 5H

CORED 35.3 - 44.8 mbsf

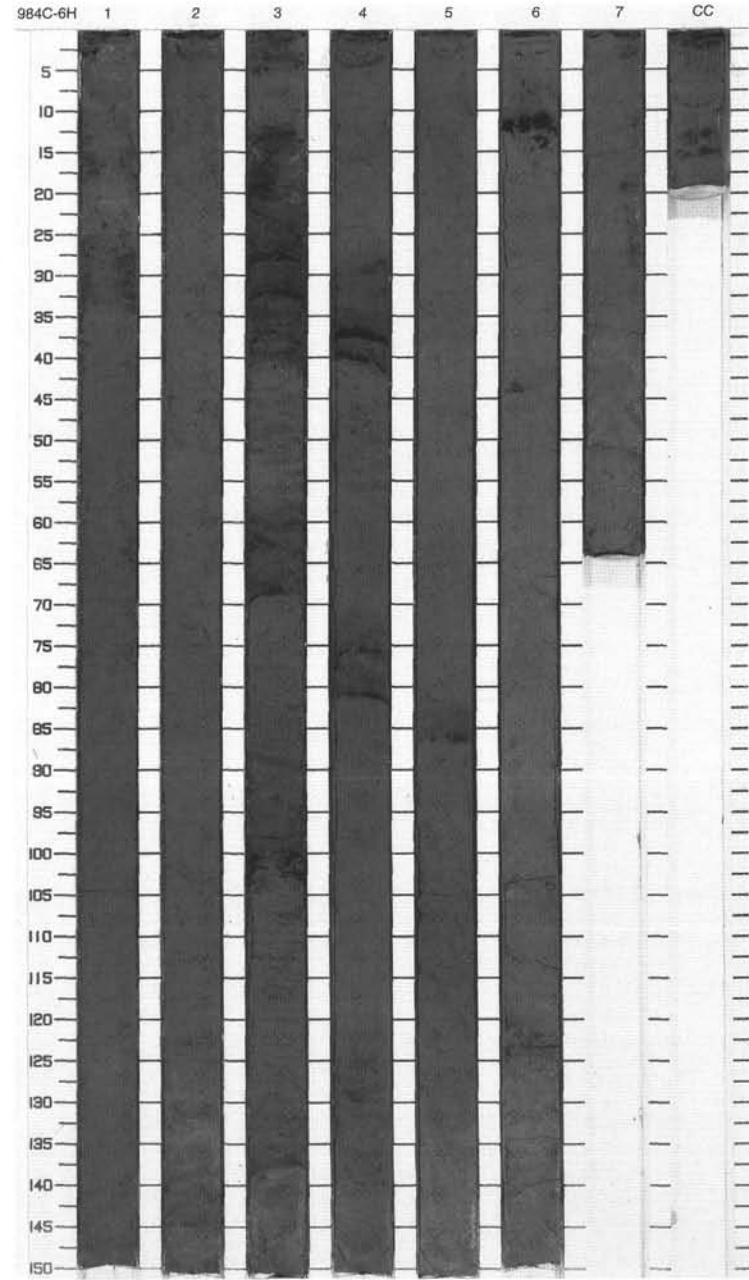
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		◇ ⊙			10Y 3/1	<p>NANNOFOSSIL CLAY WITH SILT and CLAY WITH SILT</p> <p>General Description: This core contains homogeneous dark gray to dark greenish gray (5Y 4/1 to 10Y 4/1) NANNOFOSSIL CLAY WITH SILT and very dark gray (10Y 5/1) CLAY WITH SILT. The color changes are gradational, and some thin green color bands in several intervals. Thin volcanic ash layers are present in Section 2, 93 cm and in Section 3, 73 cm. The coarse fraction increases in Section 2, 57-86 cm (mm-sized dropstones), and from Section 3, 140 cm to Section 4, 5 cm (probably foraminifers). Dropstones occur in Section 1, 44-45 cm (basalt) and Section 5, 48-49 (basalt) and 74-78 cm (5-cm-sized gabbro). Firm dark gray layers occur in Section 2, 118-125 cm and in Section 3, 9-14 cm.</p>
2		2		-A		S	5Y 4/1	
3		3		-A		S	10Y 4/1	
4		4				S		
5		5				S		
6		6		P				
7		7		◇ ◇				
8		8					5Y 3/1	
9		9						
		CC				M		



SITE 984 HOLE C CORE 6H

CORED 44.8 - 54.3 mbsf

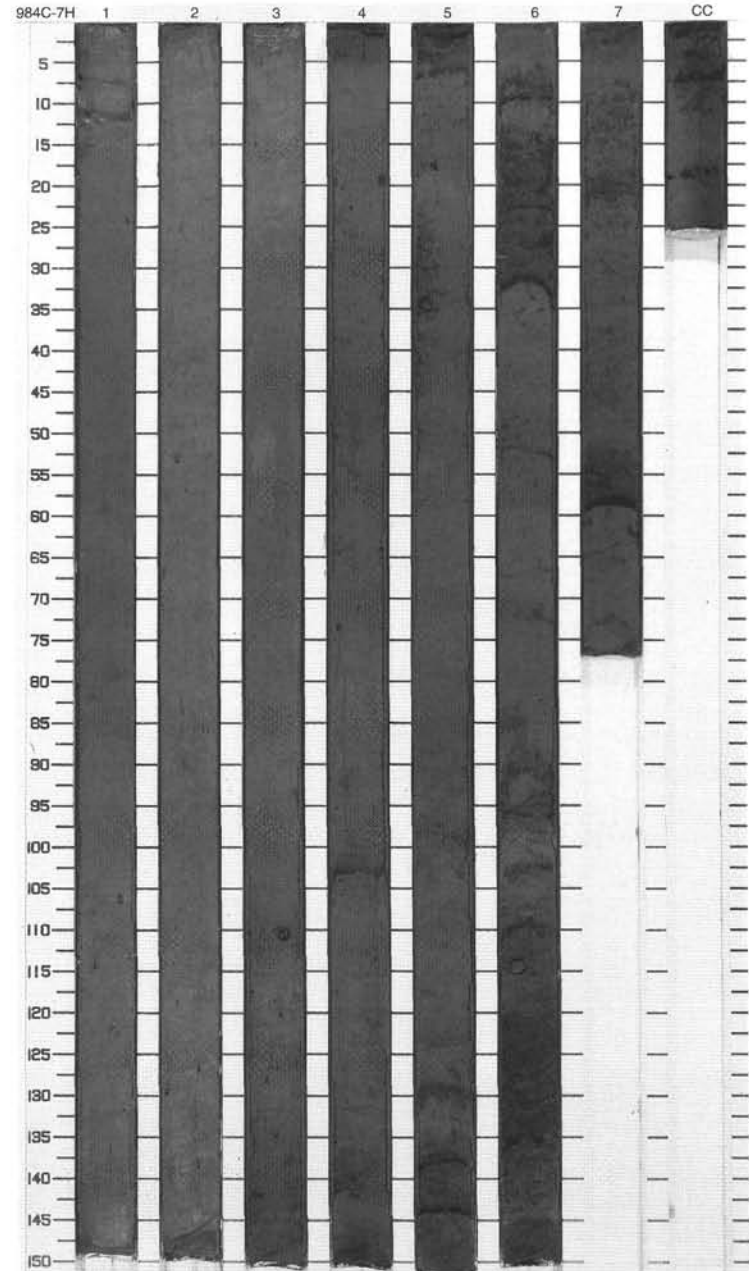
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy line]			10Y 4/1	<p>SILTY CLAY, NANNOFOSSIL OOZE WITH CLAY and CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains dark greenish gray (10Y 4/1) and dark gray (5Y 4/1) SILTY CLAY and CLAY WITH NANNOFOSSIL interbedding with dark greenish gray (5GY 4/1) NANNOFOSSIL OOZE WITH CLAY at Section 6. The core contains several thick color bands which are composed of volcanic ashes and pyrite. Section 1, 14-17 cm contains a dark green color band. Slight to moderate bioturbation occurs throughout the core. Disseminated pyrite and pyrite concretions occur in several layers. All color changes are gradational.</p>
2	[Dotted pattern]	2		[Wavy line] P		S		
3	[Cross-hatched pattern]	3		[Wavy line] -A		S	5Y 4/1	
4	[Dotted pattern]	4	Pleistocene	[Wavy line] -A		S		
5	[Dotted pattern]	5		[Wavy line] -A		S		
6	[Dotted pattern]	6		[Wavy line] -A		S		
7	[Dotted pattern]	7		[Wavy line] -A		S	10Y 4/1	
8	[Dotted pattern]	8		[Wavy line] -A		S	5GY 4/1	
9	[Dotted pattern]	9		[Wavy line]		M	10Y 4/1	



## SITE 984 HOLE C CORE 7H

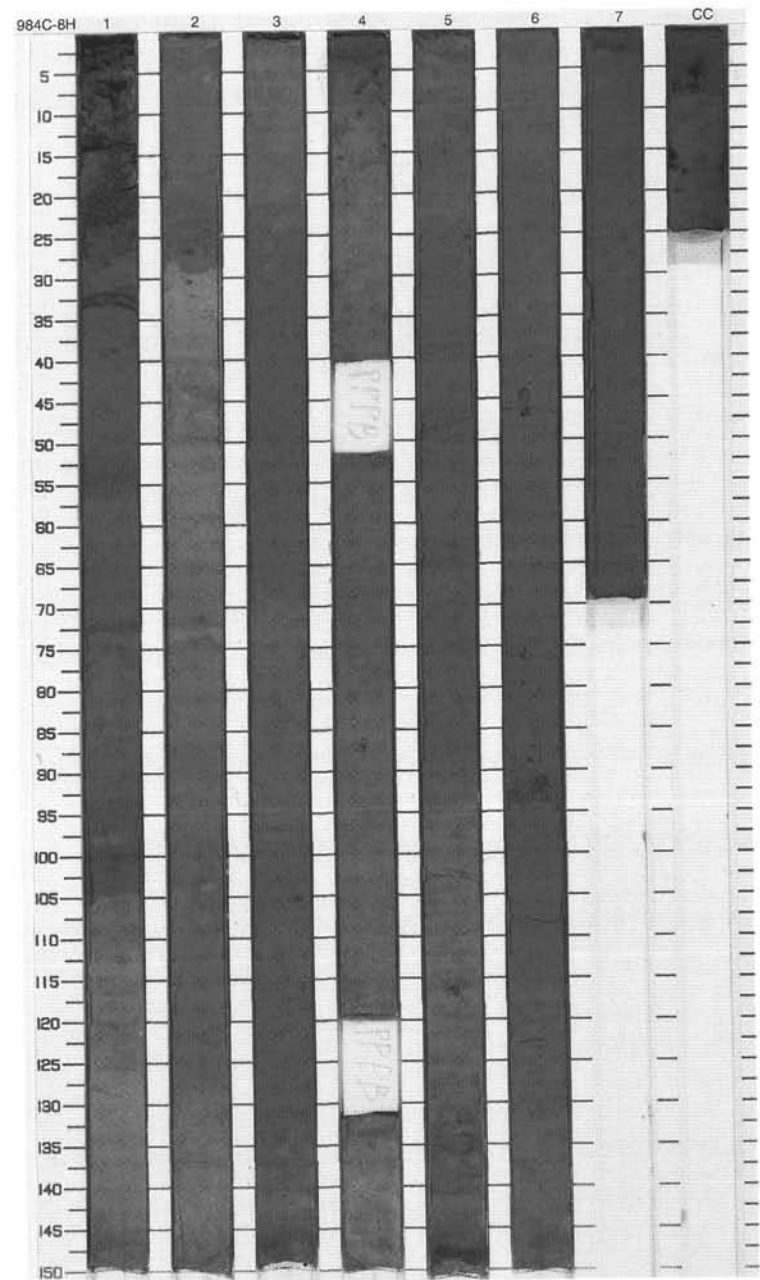
CORED 54.3 - 63.8 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1					<p>NANNOFOSSIL OOZE WITH CLAY and SILTY CLAY</p> <p>General Description: This core contains dark greenish gray (5GY 4/1) NANNOFOSSIL OOZE WITH CLAY and dark gray to dark greenish gray (5Y 4/1 to 10Y 4/1) SILTY CLAY. Dropstones occur in Section 6, 112 cm (1.7-cm, probably sedimentary) and in Section 3, 111 cm (igneous). The sediment of Section 1-3 is homogeneous with subtle color changes. The boundary of Sections 3 and 4 displays a gradational color change. The sediment is slightly to moderately bioturbated throughout. Sections 5 and 6 contain ash layers with sharp contact. Disseminated pyrite and pyrite nodules occur in several layers.</p>
2		2			S	5GY 4/1	
3		3					
4		4					
5		5					
6		6				5Y 4/1	
7		7					
8		8				5Y 4/1 To 10Y 4/1	
9		9				10Y 4/1	
10		CC			M		



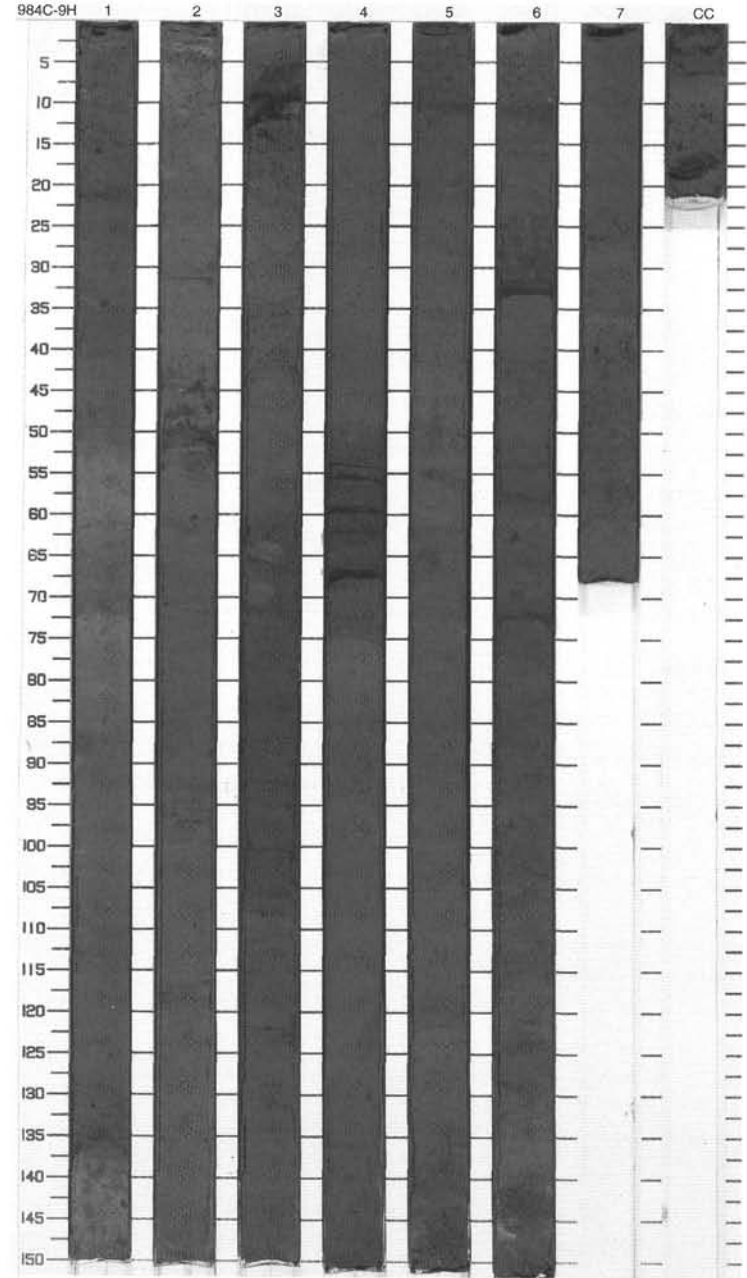


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		-A	W		5Y 3/1	SILTY NANNOFOSSIL MIXED SEDIMENT WITH CLAY, NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT
2	[Pattern]	2		-A			5Y 4/1	
3	[Pattern]	3				S	10Y 4/1	General Description: This core contains very dark greenish gray to dark greenish gray (5GY 3/1 to 5GY 4/1) SILTY NANNOFOSSIL MIXED SEDIMENT WITH CLAY alternating with dark greenish gray (10Y 4/1) NANNOFOSSIL OOZE and very dark greenish gray (10Y 3/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT. The color changes are gradational, and thin greenish color bands occur throughout the core. Dark greenish gray color bands occur in Section 1, 95-106 cm, in Section 5, 131-134 cm, and in Section 6, 88-94 cm (with coarser sediment). Thin volcanic ash layers are present in Section 1, 31-33 cm and 100 cm, in Section 5, 145-148 cm, and in CC, 5-8 cm. Dropstones occur in Section 6, 90-91 cm (basalt). Pyritized burrows are present in Section 5, 115 cm, and in Section 6, 45-46 and 75-76 cm. A scaphopod fragment occurs in Section 4, 87 cm. The uppermost 24 cm of the core are highly disturbed.
4	[Pattern]	4				S	5GY 3/1	
5	[Pattern]	5	Pleistocene			W	5GY 4/1	
6	[Pattern]	6				W		
7	[Pattern]	7				S	10Y 3/1	
8	[Pattern]	8		-A			5GY 4/1	
9	[Pattern]	9		-A			10Y 3/1	
		CC				M		

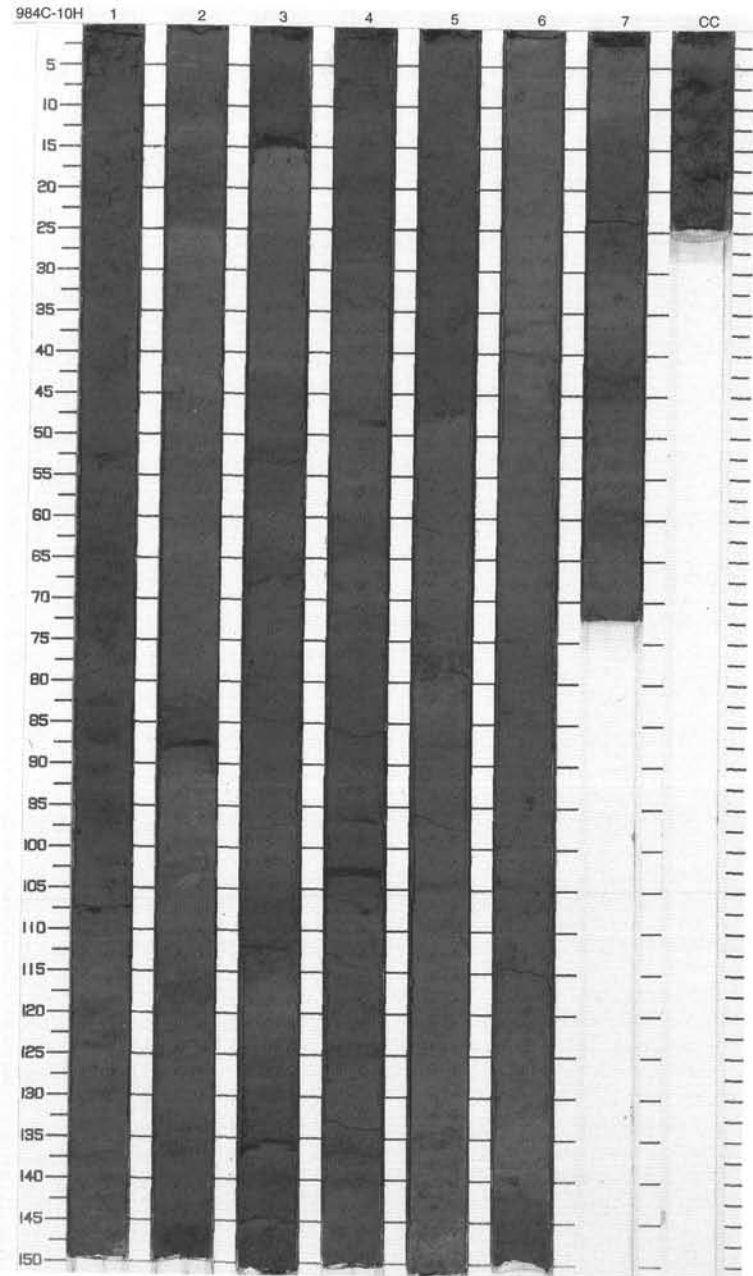


SITE 984 HOLE C CORE 9H CORED 73.3 - 82.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	A*		S	5Y 3/1	<p>SILTY CLAY and CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) and dark greenish gray (10Y 4/1) SILTY CLAY alternating with very dark gray (5Y 3/1) CLAY WITH SILT. Dark ash-rich layers (5Y 2/1) are present in Section 3, 10-12 cm, in Section 4, 53, 55, 59, 61, and 65-67 cm, and in Section 6, 31 and 72 cm. The sediment is firm and homogeneous. Slight to moderate bioturbation occurs throughout the core. Green, light gray, and tan color bands are present in all sections.</p>
2		2					10Y 4/1	
3		3		A			10Y 3/1	
4		4					10Y 4/1	
5		5		A			5Y 2/1	
6		6		A		S	10Y 3/1	
7		7					5Y 3/1	
8		8		A			10Y 3/1	
9		9		A			5Y 2/1	
		CC				M	10Y 3/1	



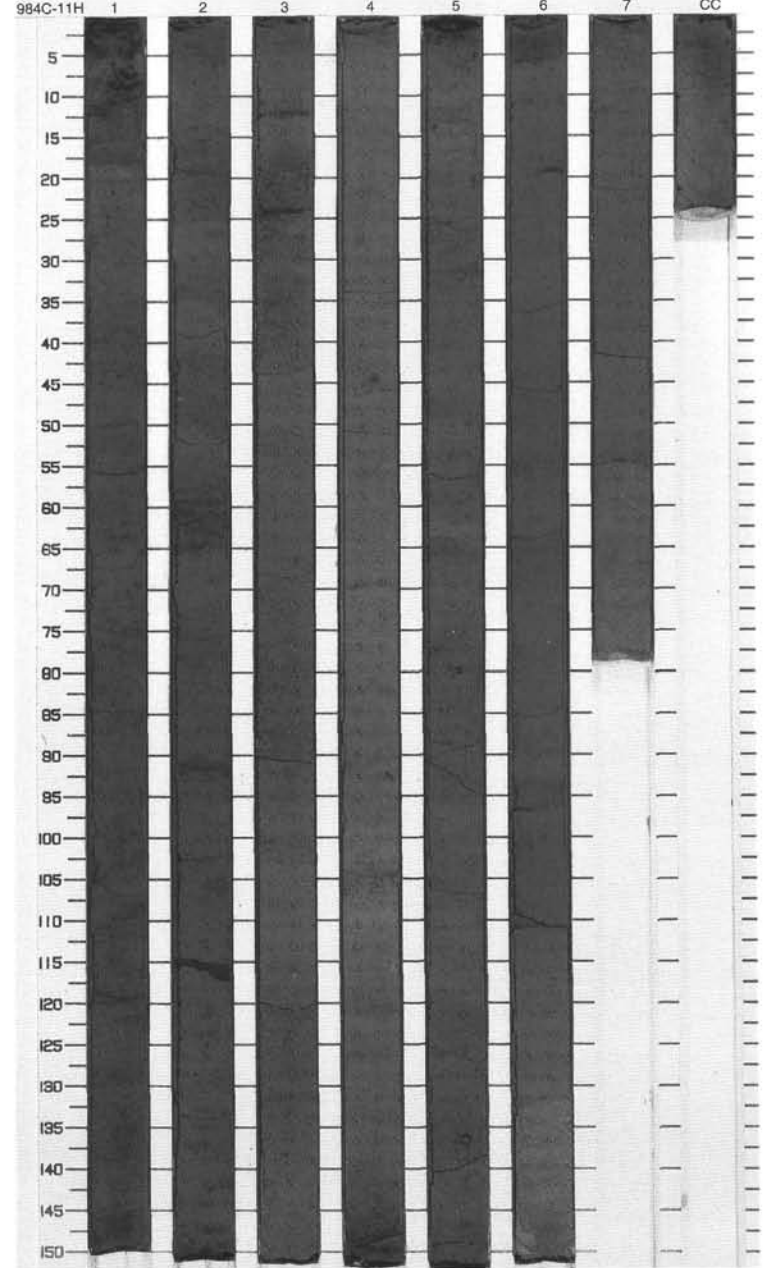
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1					5Y 3/1	<p>CLAY WITH SILT and NANNOFOSSIL CLAY WITH SILT</p> <p>General Description: This core contains very dark gray (5Y 3/1) and dark gray (5Y 4/1) CLAY WITH SILT alternating with dark grayish brown (2.5Y 4/2) NANNOFOSSIL CLAY WITH SILT. Dark ash-rich layers occur in Section 2, 86 cm, in Section 3, 14 cm, 65, 112, 136, and 145 cm, and in Section 4, 96 and 103 cm. The sediment is firm, homogeneous, and slightly to moderately bioturbated throughout the entire core. Section 1 is moist. A normal micro-fault is situated in Section 3, 136 cm. A dark color band is situated in Section 5, 75 cm. A pyrite-rich layer is present in Section 4, 38 cm.</p>
2		2		-A			2.5Y 4/2	
3		3		-A			5Y 3/1	
4		3		-A			2.5Y 4/2	
5		4	Pleistocene	-A			5Y 3/1	
6		4		P			2.5Y 4/2	
7		5		-A		S	5Y 3/1	
8		5		A*		S	2.5Y 4/2	
9		6					5Y 4/1	
10		7					5Y 3/1	
		CC				M		



## SITE 984 HOLE C CORE 11H

CORED 92.3 - 101.8 mbsf

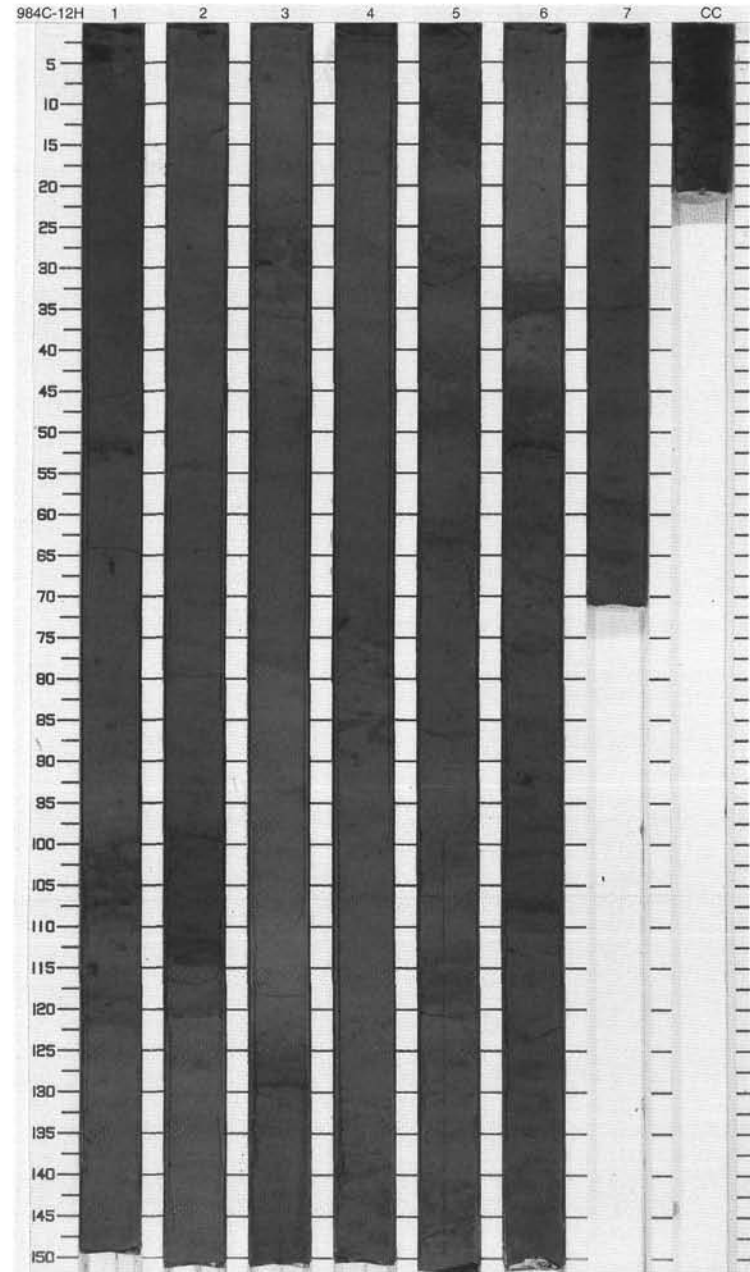
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
							10Y 3/1	SILTY CLAY and NANNOFOSSIL CLAY
1		1					5Y 3/1	<p>General Description: This core contains very dark greenish gray (10Y 3/1) and dark greenish gray (10Y 4/1) NANNOFOSSIL CLAY alternating with very dark gray (5Y 3/1) and dark gray (5Y 4/1) SILTY CLAY. Dark ash-rich thin layers are present in Section 2, 115 cm, in Section 3, 24 cm, in Section 4, 69 cm and in Section 7, 52 cm. A small (&lt; 1-cm) black basaltic dropstone occurs in Section 5, 135 cm. The sediment is firm, homogeneous, and slightly bioturbated throughout the core. Color mottling occurs in all sections. Sharp contacts separate different lithologies. The uppermost part of the core is slightly disturbed due to coring procedure.</p>
2		2			-A	5Y 4/1		
3		3			-A	10Y 3/1		
4		3				5Y 4/1		
5		4	Pleistocene		-A	10Y 4/1		
6		4				5Y 3/1		
7		5				5Y 3/1		
8		6			A*	5Y 4/1		
9		6				5Y 4/1		
10		7			-A	5Y 3/1		
		CC						



SITE 984 HOLE C CORE 12H

CORED 101.8 - 111.3 mbsf

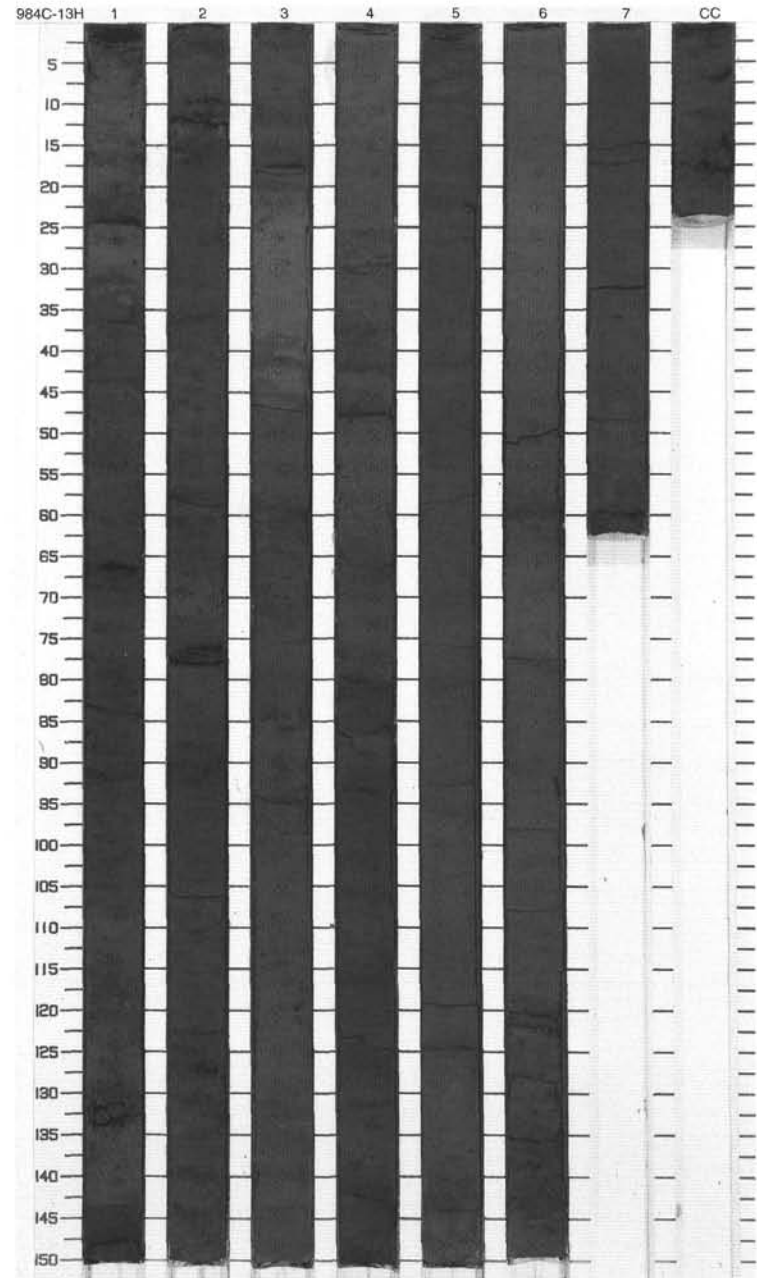
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	A*		S	5Y 3/1	<p>CLAY WITH SILT AND NANNOFOSSILS and SILTY CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains dark greenish gray (5GY 4/1 and 10Y 4/1) and dark gray (5Y 4/1) CLAY WITH SILT AND NANNOFOSSILS alternating with very dark gray (5Y 3/1) SILTY CLAY WITH NANNOFOSSILS. A SILTY CLAY-rich blue layer is situated in Section 6, 23-41 cm. A thick dark ash-rich layer is situated inside this blue interval. Ash-rich layers are present in Section 1, 108 cm, in Section 3, 130 cm, in Section 6, 52, 102, and 108 cm and in Section 7, 100 cm. Ash pods occur in Section 1, 29 cm, in Section 3, 29 cm and in Section 4, 29 cm. The sediment is firm, homogeneous, and slightly to moderately bioturbated throughout the entire core. Green color bands are present in Sections 1 and 3.</p>
2		2		A			5GY 4/1	
3		3		A*			10Y 4/1	
4		4		A			5Y 4/1	
5		5		A*			5GY 4/1	
6		6		A			10Y 4/1	
7		7		A			10Y 3/1	
CC		CC						



## SITE 984 HOLE C CORE 13H

CORED 111.3 - 120.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		-A -A A*			10Y 3/1	<p>SILTY CLAY WITH NANNOFOSSILS and CLAY WITH NANNOFOSSILS AND SILT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY WITH NANNOFOSSILS alternating with dark greenish gray (10Y 4/1) and gray (5Y 5/1) CLAY WITH NANNOFOSSILS AND SILT. Ash-rich layers are present in Section 1, 25, 37, and 144 cm, in Section 3, 17 cm, in Section 4, 47 cm, in Section 5, 125 cm and in Section 6, 121 and 128 cm. In Section 4, the ash-rich layer is situated just above a thick green colored band. Ash pods are dispersed in all sections. A red 2-cm-long felsic dropstone is present in Section 1, 133-135 cm. Sediment is firm, homogeneous, and slightly to moderately bioturbated throughout the entire core.</p>
2		2		-A -A -A			10Y 4/1	
3		3		-A			5Y 5/1	
4		3		-A			10Y 4/1	
5		4	Pleistocene	-A				
6		4		A*			10Y 3/1	
7		5		A*		S		
8		6		-A				
9		6		-A			10Y 4/1	
		7		-A				
		CC				M		

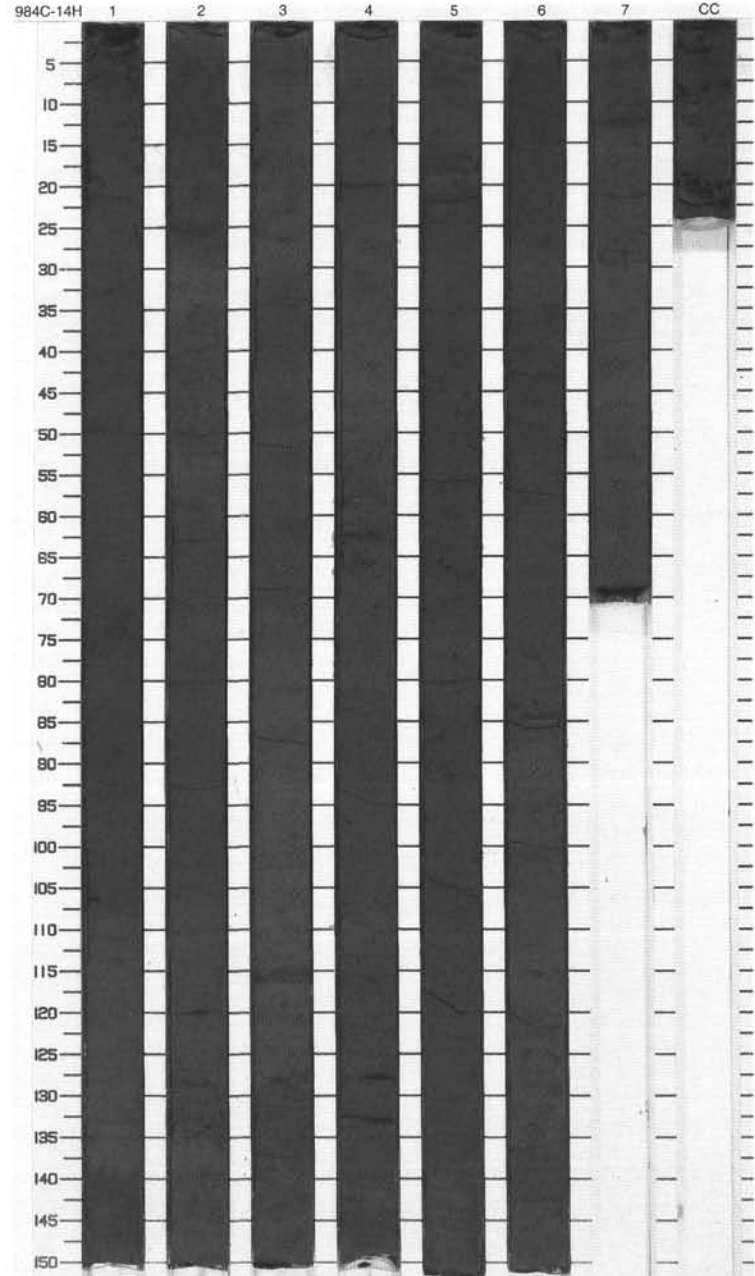




SITE 984 HOLE C CORE 14H

CORED 120.8 - 130.3 mbsf

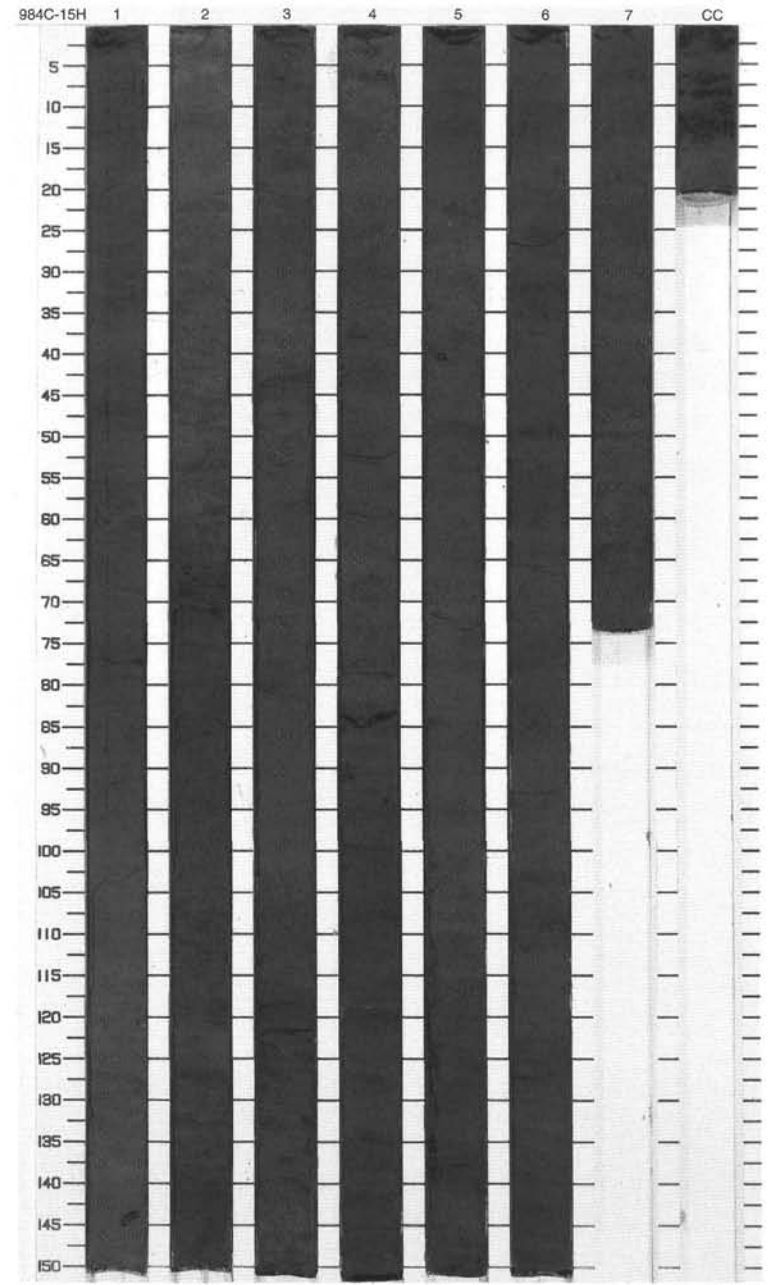
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	A*	w	S	10Y 3/1	<p>SILTY CLAY</p> <p>General Description:                      This core contains very dark greenish gray (10Y 3/1 and 5GY 3/1) and very dark gray (5Y 3/1) SILTY CLAY. A foraminifer-rich interval is present in Section 4, 0-60 cm. Foraminifer abundance decreases upward. Ash-rich layers occur in Section 4, 130-134 cm and in Section 6, 84 cm. The sediment is very firm and slightly to moderately bioturbated throughout. Large silt-filled burrows are present in Section 5, 9-20 and 43-68 cm and in Section 4, 135-140 cm. The uppermost part of the core is very disturbed due to drilling.</p>
2	[Hatched pattern]	2					5GY 6/1	
3	[Hatched pattern]	3					10Y 3/1	
4	[Hatched pattern]	4					5Y 3/1	
5	[Hatched pattern]	5					10Y 3/1	
6	[Hatched pattern]	6					5GY 3/1	
7	[Hatched pattern]	7					10Y 3/1	
8	[Hatched pattern]	6	A	M				
9	[Hatched pattern]	7						
	[Hatched pattern]	CC						



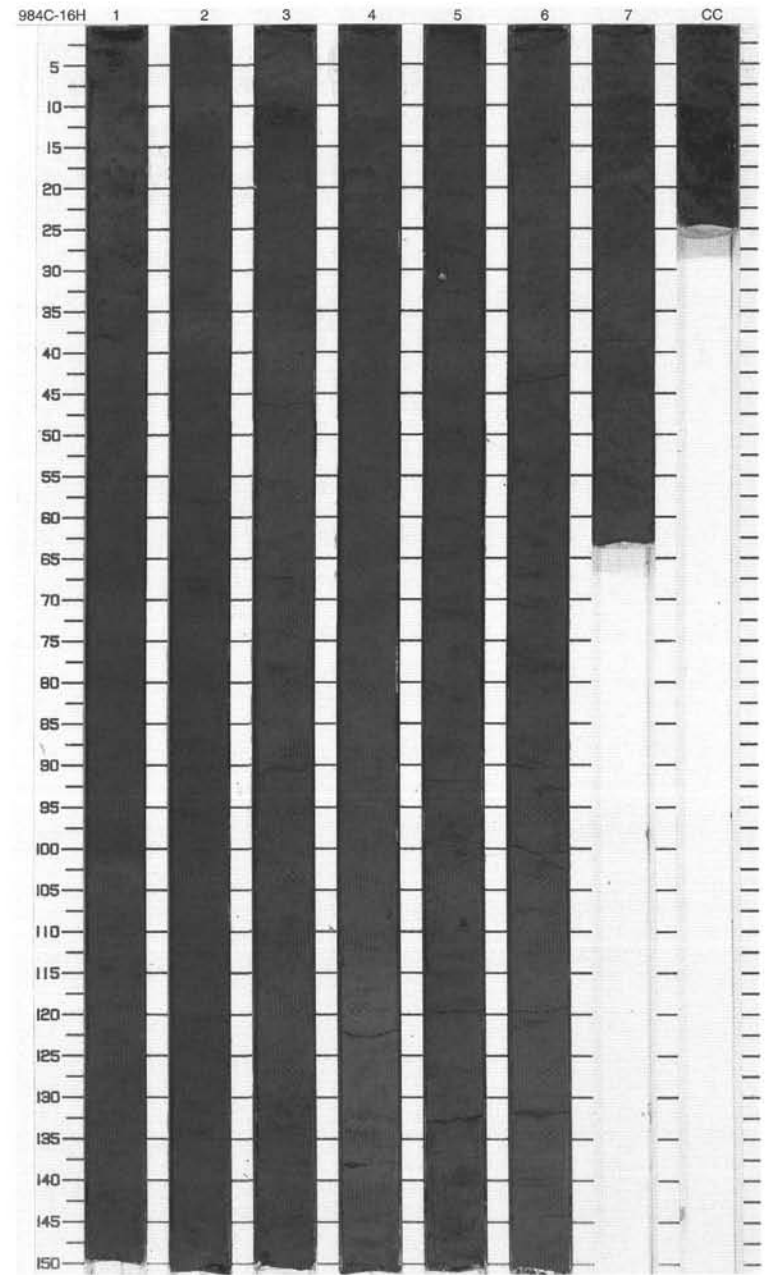
## SITE 984 HOLE C CORE 15H

CORED 130.3 - 139.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1					10Y 3/1	CLAY WITH NANNOFOSSILS AND SILT and SILTY CLAY  General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY alternating with very dark greenish gray (7.5Y 3/1) CLAY WITH NANNOFOSSILS AND SILT. The sediment is very firm. A very dark greenish gray foraminifer-rich interval is present in Section 7, 0-60 cm. A 2.7-cm-long pyritized burrow is present in Section 1, 144 cm. A green clayey layer is situated in Section 2, 70-72 cm. Subrounded mudstones are present in Section 2, 66-67 cm and in Section 5, 41 cm.
1		1		(P)		S	7.5GY 3/1	
2		2		◆				
3		3						
4		3						
5		3						
6		4	Pleistocene	A*			10Y 3/1	
7		4		◆		S		
8		5						
9		6						
		6						
		7					7.5GY 3/1	
		7					10Y 3/1	
		CC				M		



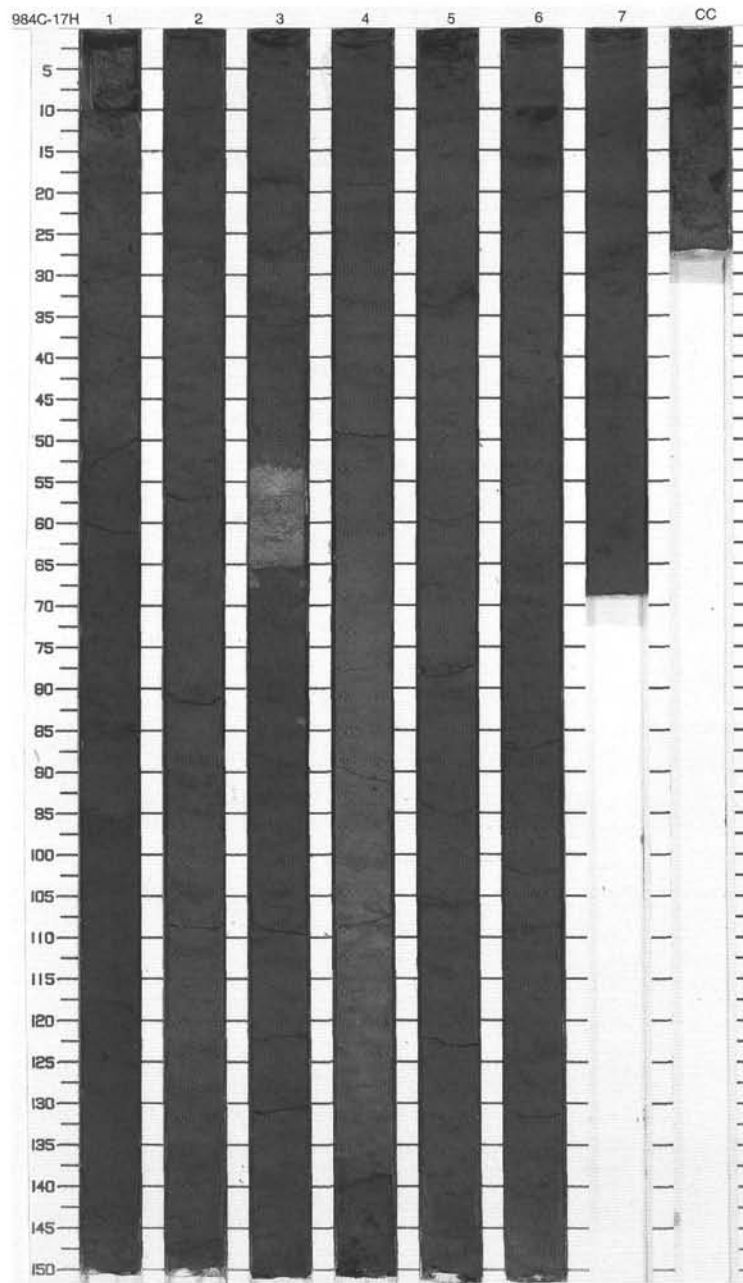
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Hatched pattern]	1	Pleistocene	[Wavy line]	[Wavy line]	S	10Y 3/1	<p>SILTY CLAY and NANNOFOSSIL CLAY WITH SILT</p> <p>General Description:                      This core contains very dark greenish gray (10Y 3/1) SILTY CLAY and very dark greenish gray (5GY 3/1) NANNOFOSSIL CLAY WITH SILT. The sediment is very stiff, slightly to moderately bioturbated, and color mottled throughout the core. Pyrite is disseminated throughout the core or concentrated in burrows. Black mudclasts are present in Section 2, 72 cm and in Section 5, 112 cm. A 0.9-cm-long mollusk fragment is present in Section 5, 31 cm. A green clayey layer occurs in Section 7, 12-18 cm.</p>	
2	[Hatched pattern]	2							
3	[Hatched pattern]	3							
4	[Hatched pattern]	3							
5	[Hatched pattern]	4							
6	[Hatched pattern]	4							5GY 3/1
7	[Hatched pattern]	5							10Y 3/1
8	[Hatched pattern]	6	M	[Wavy line]	[Wavy line]				
9	[Hatched pattern]	7							
	[Hatched pattern]	CC							



## SITE 984 HOLE C CORE 17H

CORED 149.3 - 158.8 mbsf

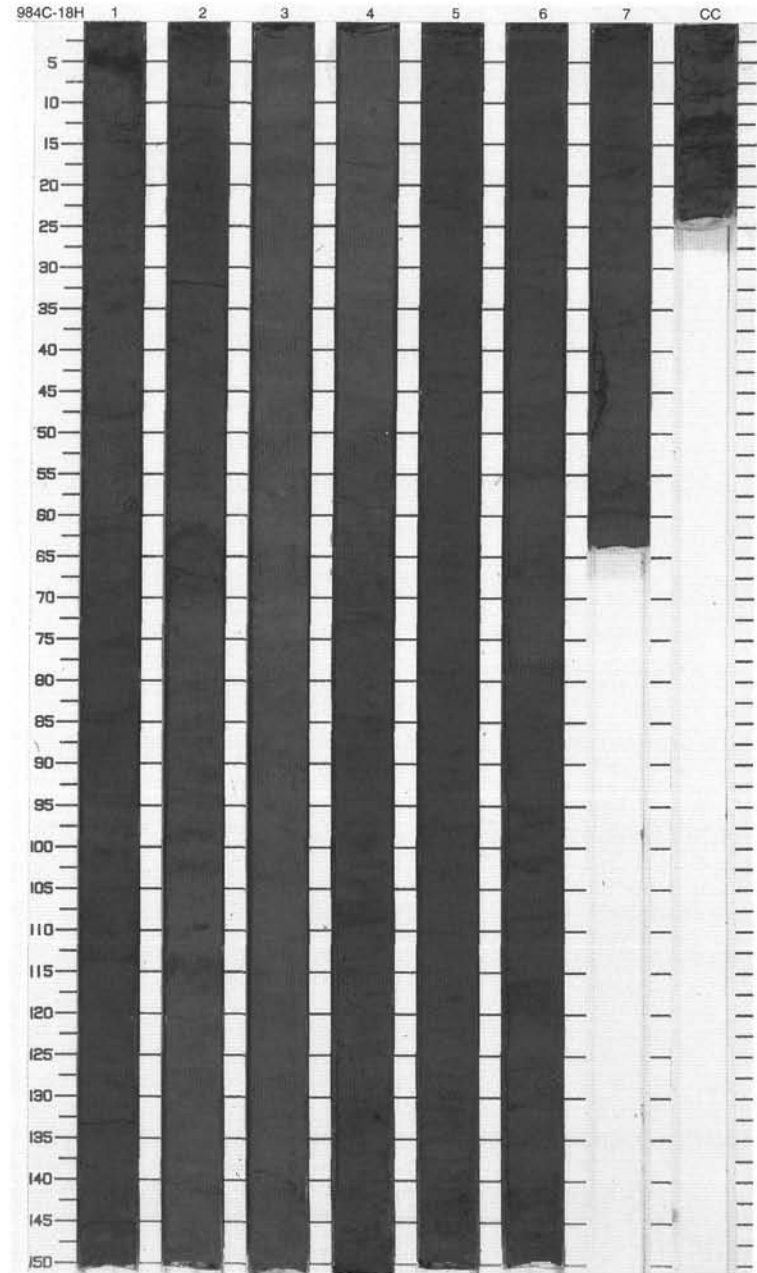
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		~		S	10Y 3/1	<p>SILTY CLAY and NANNOFOSSIL CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1 and 5GY 3/1) SILTY CLAY alternating with dark greenish gray (7.5GY 4/1) NANNOFOSSIL CLAY WITH SILT. An ash-rich layer is present in Section 3, 50-65 cm. A foraminifer-rich layer is situated in Section 1, 138-145. The sediment is very firm and slightly to heavily bioturbated and color mottled throughout the entire core. Ash-filled burrows are present in Section 6, 17-40 cm. A hard dark green layer is present in Section 5, 4-6 cm. A very stiff black and green layer is situated in Section 4, 141-146 cm.</p>
2		2		~		S	5GY 3/1	
3		3		~		S	10Y 3/1	
4		3		~		S	10Y 3/1	
5		4	Pleistocene	~		S	7.5GY 4/1	
6		5		~		S	10Y 3/1	
7		6		~		S	10Y 3/1	
8		7		~		S	5GY 4/1	
9		7		~		M	5GY 4/1	
		CC						



SITE 984 HOLE C CORE 18H

CORED 158.8 - 168.3 mbsf

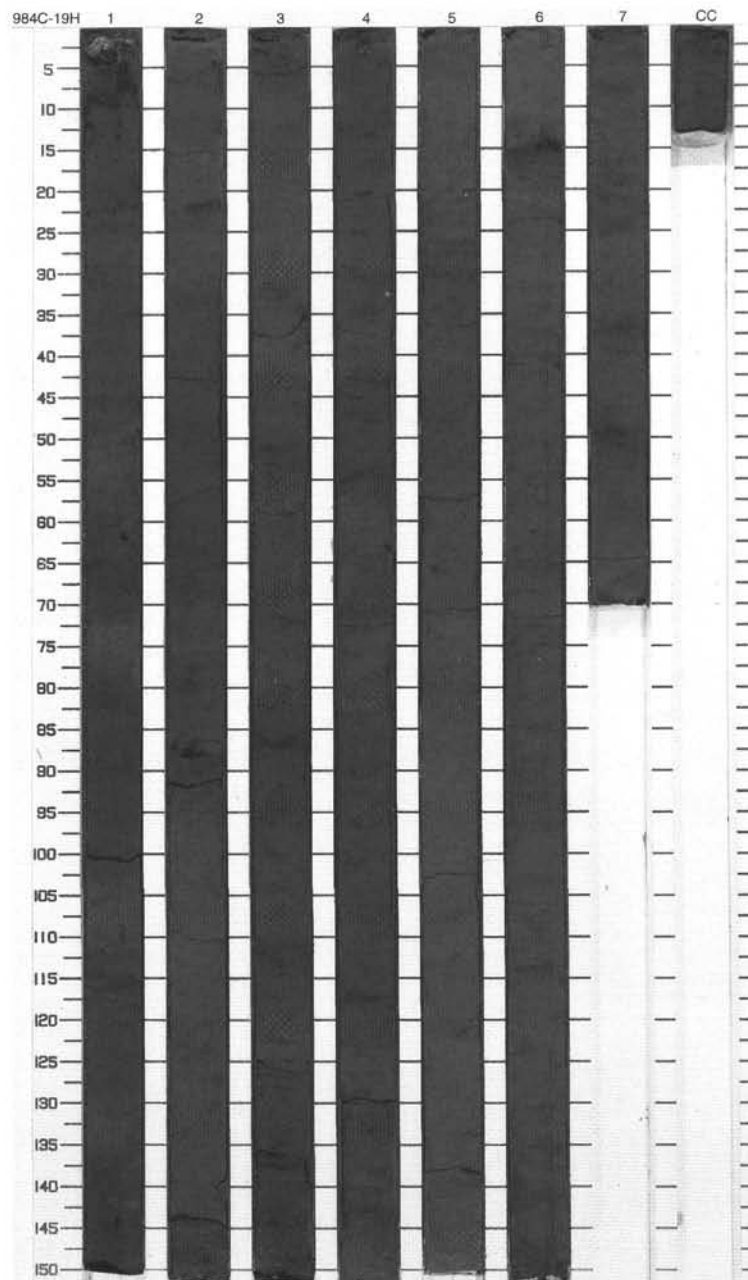
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Dotted pattern]	1	Pleistocene	[Wavy line]	[Symbol]	S	10Y 3/1	<p>CLAY WITH SILT and NANNOFOSSIL CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) CLAY WITH SILT and dark gray (5Y 4/1) NANNOFOSSIL CLAY. The sediment is firm and slightly bioturbated throughout the entire core. Mottling is distinct in Sections 2-4. All color changes are gradual. A pyrite bleb is present in Section 4, 134 cm. A mollusk shell fragment is present in Section 1, 60 cm.</p>	
2	[Dotted pattern]	2					5Y 4/1		
3	[Dotted pattern]	3				S	[Symbol]		
4	[Dotted pattern]	4							10Y 3/1
5	[Dotted pattern]	5							
6	[Dotted pattern]	6				M	[Symbol]		
7	[Dotted pattern]	7							
CC									



## SITE 984 HOLE C CORE 19H

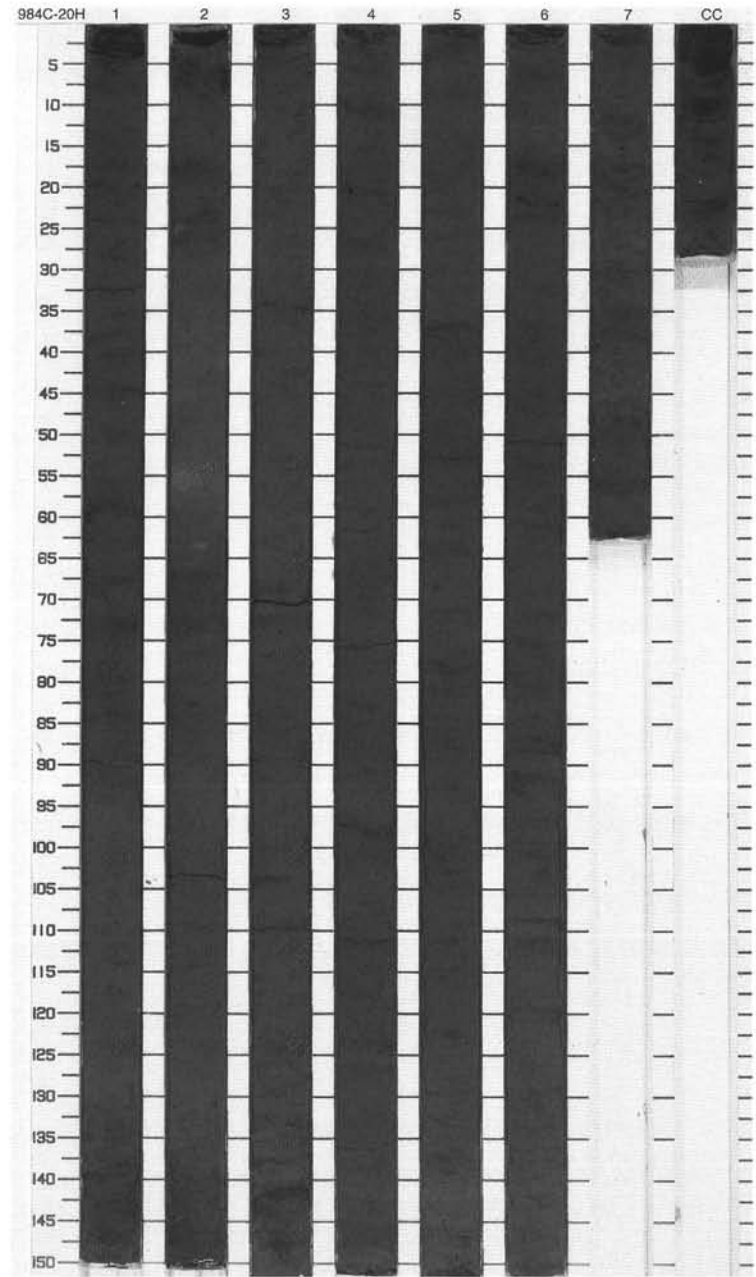
CORED 168.3 - 177.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	P		S	5GY 3/1 To 5GY 4/1	<p>SILT CLAY AND SILTY CLAY WITH NANNOFOSSIL</p> <p>General Description: This core contains dark greenish gray (5GY 3/1 to 5GY 4/1) SILT CLAY AND SILTY CLAY WITH NANNOFOSSIL. The sediment is firm and homogeneous. All color changes are subtle and gradational throughout with slightly lighter sediment in Section 5. Slight bioturbation occurs throughout the core, with mottled surfaces in several layers. Sections 2 and 6 contain foraminifers-rich coarse sediment. The top of Section 1 (0-5 cm) is very soft. The core contains several dark green color bands and pods throughout. Pyrite and disseminated pyrite also occur in several layers. Section 5, 22 cm contains fish debris? (&lt; 0.2-cm).</p>
2		2		P		S		
3		3		P		S		
4		4		P		S		
5		5		P		S		
6		6		P		S		
7		7		P		S		
8		8						
9		9						
						M		



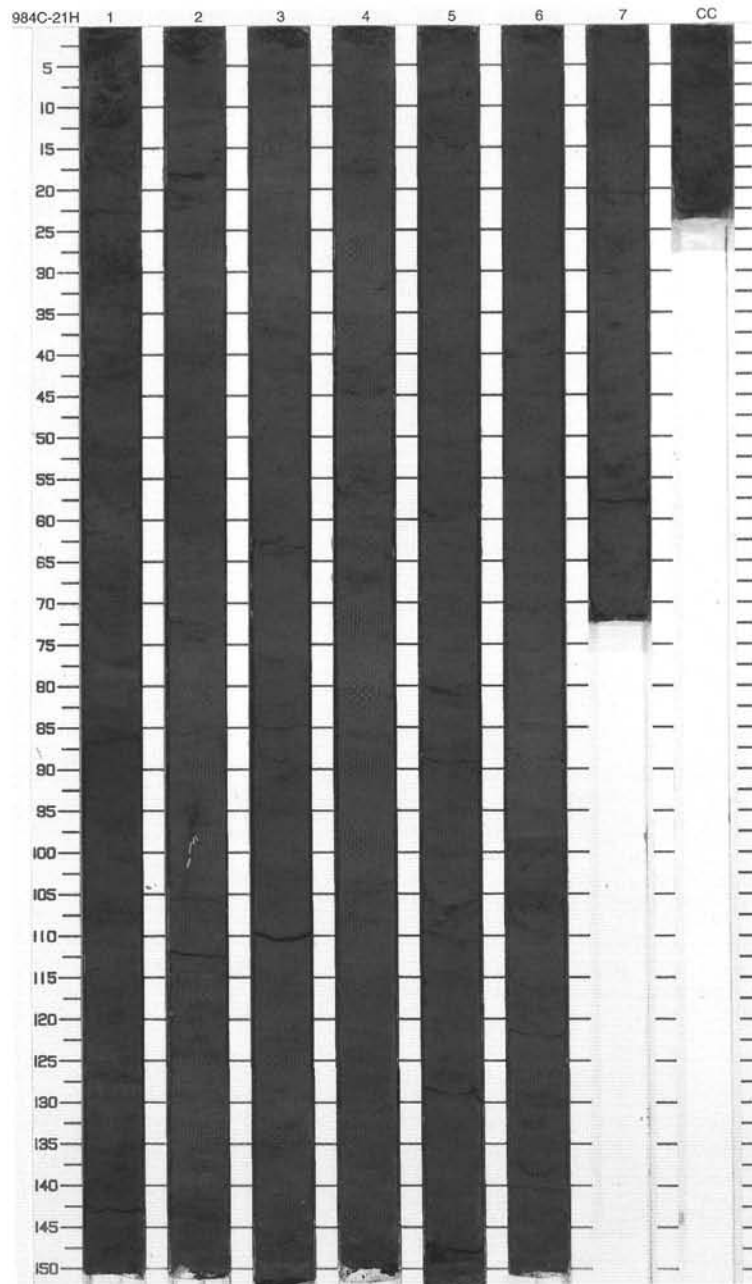


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1					5GY 3/1	<p>CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT, NANNOFOSSIL CLAY and CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (10GY 3/1 and 5GY 3/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT alternating with very dark greenish gray (5G 3/1) NANNOFOSSIL CLAY and very dark greenish gray (5GY 3/1) CLAY WITH SILT. The content of foraminifers increases in Section 1, 121-139 cm, in Section 2, 118-137 cm, in Section 3, 104-140 cm, and from Section 6, 111 cm to Section 7, 12 cm. The sediment is firm and slightly bioturbated in several sections. Hard and stiff dark green layers are present in Section 1, 139-142 cm and in Section 3, 141-144 cm.</p>
2	[Cross-hatched pattern]	2		}		S	10GY 3/0	
3	[Dotted pattern]	3		}			5GY 3/1	
4	[Dotted pattern]	4		}		S	5G 3/1	
6	[Dotted pattern]	6		}			5GY 3/1	
7	[Dotted pattern]	7		}		M	5GY 3/1	
CC	[Dotted pattern]	CC		}				
		late Pliocene-Pleistocene						



SITE 984 HOLE C CORE 21H CORED 187.3 - 196.8 mbsf

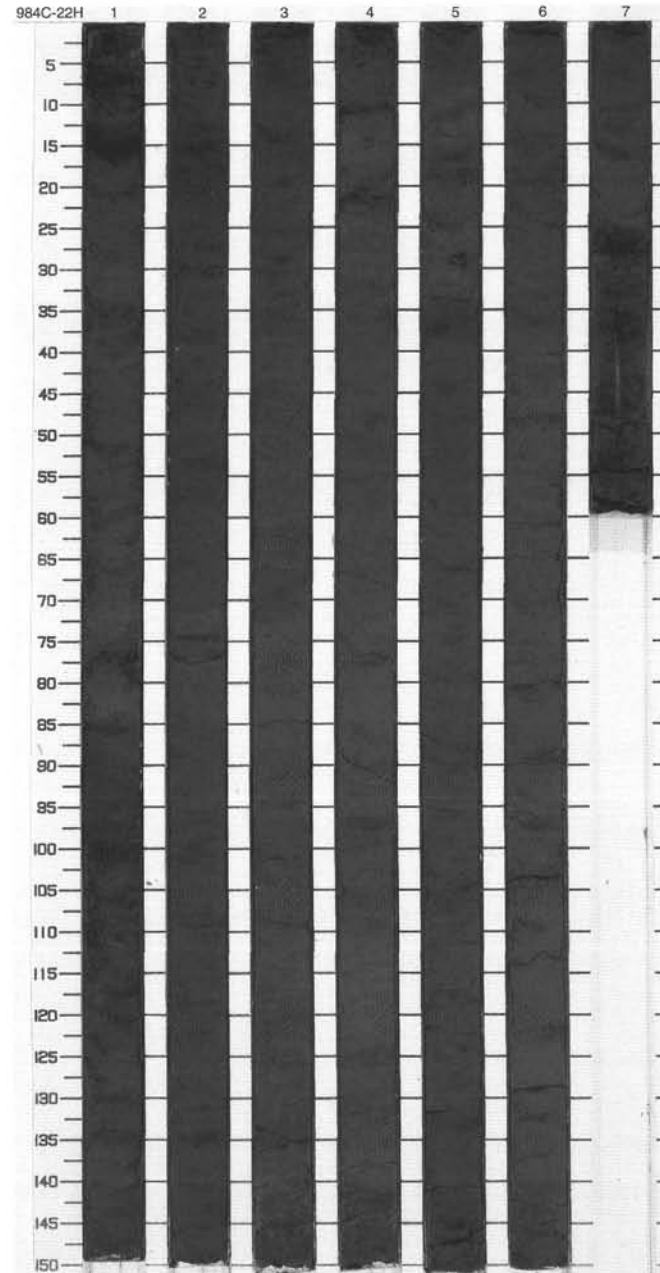
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy line]		S	10Y 3/1	<p>SILTY CLAY and SILTY CLAY WITH NANNOFOSSILS</p> <p>General Description:                      This core contains very dark greenish gray (10Y 3/1) SILTY CLAY alternating with dark greenish gray (5GY 3/1) SILTY CLAY WITH NANNOFOSSILS. All color changes are very subtle and gradational. Faint, dark green color bands occur in several sections. The top of Section 1 (0-10 cm) is soft and contains black sediment. Section 2, 110 cm contains a thin white object (probably a scaphopod). Slight bioturbation occurs throughout the section with several individual color bands. The bottoms of Sections 2 and 7 contain foraminifers-rich coarse sediment. Section 2, 20 cm contains a thin black color band (&lt; 0.2-cm, probable ash layer).</p>
2	[Dotted pattern]	2		[Wavy line]	-A			
3	[Dotted pattern]	3		[Wavy line]			5GY 3/1	
4	[Dotted pattern]	4		[Wavy line]				
5	[Dotted pattern]	5	late Pliocene	[Wavy line]				
6	[Dotted pattern]	6		[Wavy line]				
7	[Dotted pattern]	7		[Wavy line]			10Y 3/1	
8	[Hatched pattern]	8		[Wavy line]				
9	[Hatched pattern]	9		[Wavy line]				
CC	[Hatched pattern]	CC		[Wavy line]		M		



SITE 984 HOLE C CORE 22H

CORED 196.8 - 206.3 mbsf

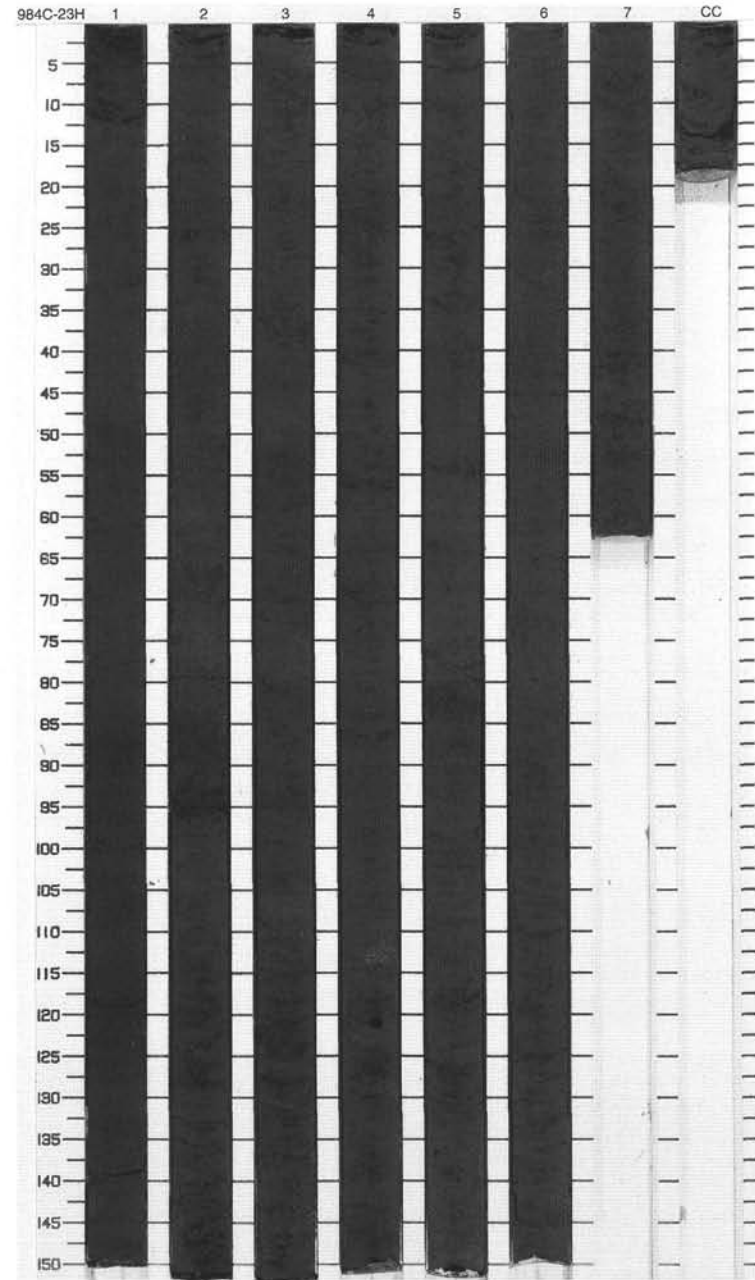
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy line]	W			<p>SILTY CLAY WITH NANNOFOSSILS and SILTY CLAY WITH VOLCANIC ASH</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY WITH VOLCANIC ASH alternating with very dark greenish gray (5GY 3/1 to 7.5 GY 3/1) SILTY CLAY WITH NANNOFOSSILS. The sediment is firm and slightly bioturbated throughout. Some intervals are greener and harder than others. A dropstone (1.6-cm-sized schist) is present in Section 5, 29–30 cm.</p>
2	[Hatched pattern]	2		[Wavy line]		S	10Y 3/1	
3	[Hatched pattern]	3		[Wavy line]				
4	[Hatched pattern]	3		[Wavy line]				
5	[Hatched pattern]	4	late Pliocene	[Wavy line]		S	7.5GY 3/1	
6	[Hatched pattern]	5		[Wavy line]			10Y 3/1	
7	[Hatched pattern]	6		[Wavy line]			5GY 3/1	
8	[Hatched pattern]	6		[Wavy line]				
9	[Hatched pattern]	7		[Wavy line]		M		



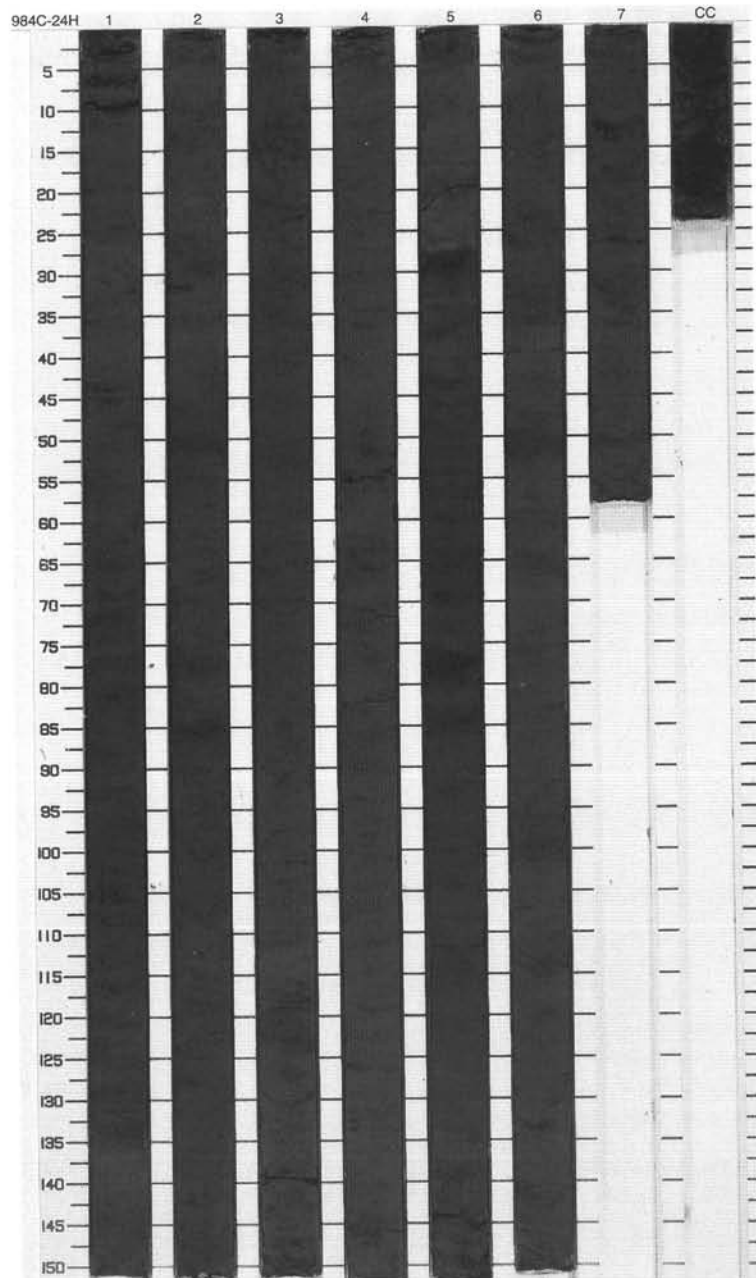
## SITE 984 HOLE C CORE 23H

CORED 206.3 - 215.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1				S	10Y 3/1	<p>CLAY WITH NANNOFOSSIL and SILTY CLAY WITH SPICULES AND ASH</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) CLAY WITH NANNOFOSSIL and SILTY CLAY WITH SPICULES AND ASH interbedded with dark greenish gray (5GY 3/1) CLAY WITH NANNOFOSSIL. The sediment is very firm and homogeneous. Slight color changes occur throughout the core. A volcanic ash layer occurs in Section 4, 113-116 cm. Foraminifer-rich coarse sediment occurs within the lower half of Section 2. Dark green color bands are scattered in Section 5, creating a mottled surface.</p>
2		2				S	5GY 3/1	
3		3						
4		4						
5		4	late Pliocene					
6		5					10Y 3/1	
7		5				S		
8		6						
9		7						
		CC						

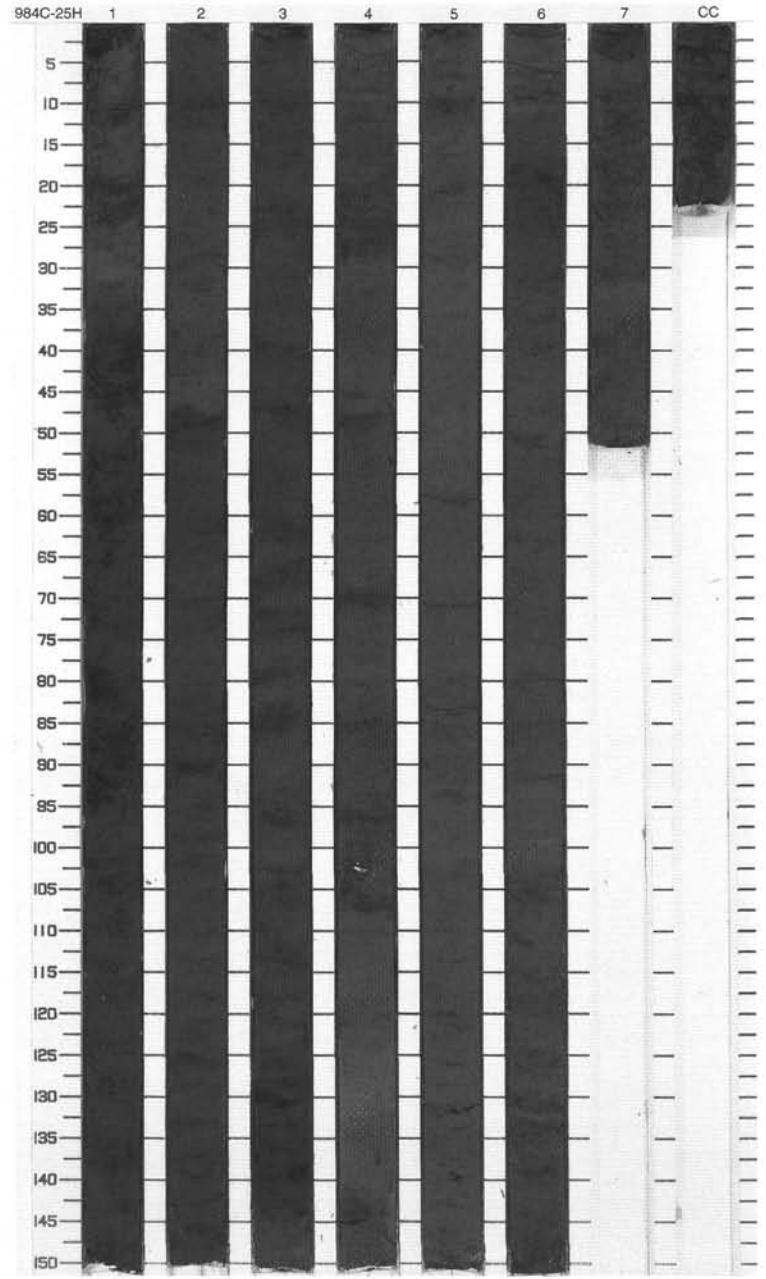


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	late Pliocene	} } (wavy lines) }	I	S	5Y 3/1	<p>CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) CLAY WITH SILT. The sediment is very firm, homogeneous, and slightly bioturbated throughout the core. Green and brown color bands occur in Section 1, 5, and 6. Color mottling occurs in the lower half of Section 1 and throughout Section 6.</p>
2	[Dotted pattern]	2		} } (wavy lines) }				
3	[Dotted pattern]	3		} }				
4	[Dotted pattern]	4		} }				
5	[Dotted pattern]	5		} } (wavy lines) }				
6	[Dotted pattern]	6		} } (wavy lines) } (solid black) } (wavy lines) }				
7	[Dotted pattern]	7		}				
CC	[Dotted pattern]	CC					M	



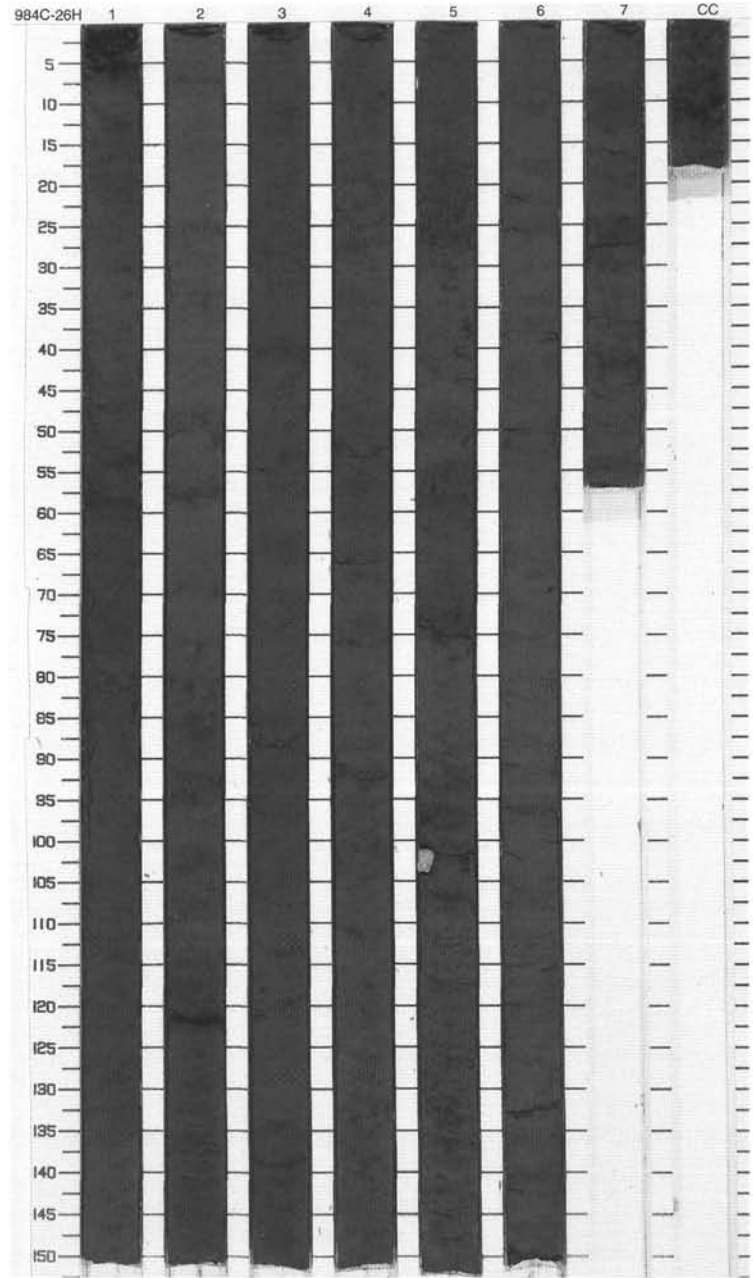
SITE 984 HOLE C CORE 25H CORED 225.3 - 234.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1						<p>CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT and CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH SILT alternating with very dark greenish gray (5G 3/1) NANNOFOSSIL CLAY and very dark greenish gray (5GY 3/1 and 5Y 3/1) CLAY WITH SILT. The sediment is very firm and slightly bioturbated in several sections. Stiff dark green layers are present throughout the core, especially in Sections 3 to 6. The content of foraminifers increases from Section 3, 48 cm to Section 4, 145 cm (especially from Section 3, 145 cm to Section 4, 10 cm). A shell fragment occurs in Section 4, 103-104 cm.</p>
2	[Dotted pattern]	2					5GY 3/1	
3	[Dotted pattern]	3						
4	[Dotted pattern]	3					10GY 3/0	
5	[Dotted pattern]	4	late Pliocene					
6	[Dotted pattern]	4				S	5GY 3/1 To 5G 3/1	
7	[Dotted pattern]	5						
8	[Dotted pattern]	6				S	5GY 3/1	
9	[Dotted pattern]	7					10Y 3/1	
		CC				M		





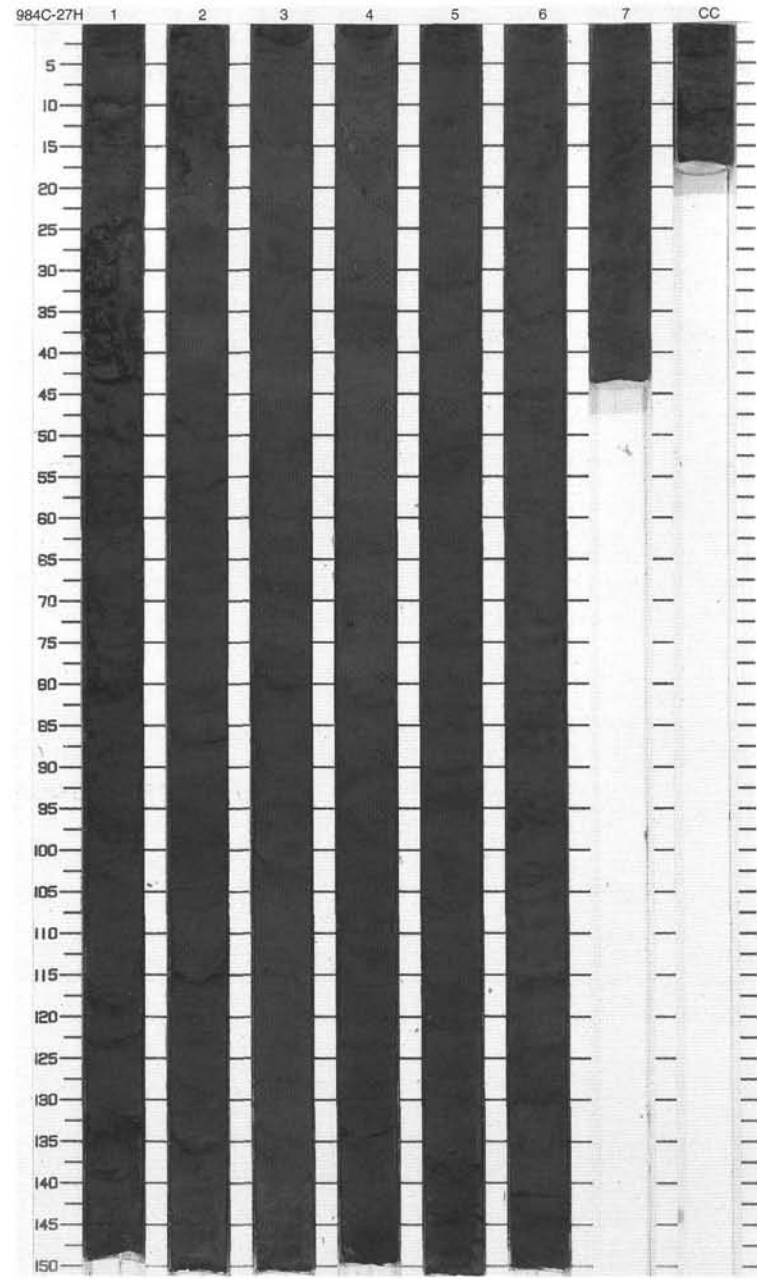
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		—			10Y 3/1	<p>SILTY CLAY and SILTY CLAY WITH NANNOFOSSIL</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY alternating with dark greenish gray (5GY 3/1) SILTY CLAY WITH NANNOFOSSIL. The sediment is firm and homogeneous. A 2.8-cm granite dropstone occurs in Section 5, 99–102 cm. The top of Section 1 (0–5 cm) is soft. All color changes are gradational and subtle throughout the core. Dark green color bands and pods are scattered throughout. Slight bioturbation occurs within several intervals. Sections 7 and CC contain slightly coarser sediment.</p>
2	[Dotted pattern]	2		~		S	5GY 5/1	
3	[Hatched pattern]	3		—		S	10Y 3/1	
4	[Hatched pattern]	4	late Pliocene	~			5GY 3/1	
5	[Dotted pattern]	5		—			5GY 3/1 To 10Y 3/1	
6	[Hatched pattern]	6		—			5GY 3/1	
7	[Hatched pattern]	7		—			5GY 3/1	
CC	[Hatched pattern]	CC		—				



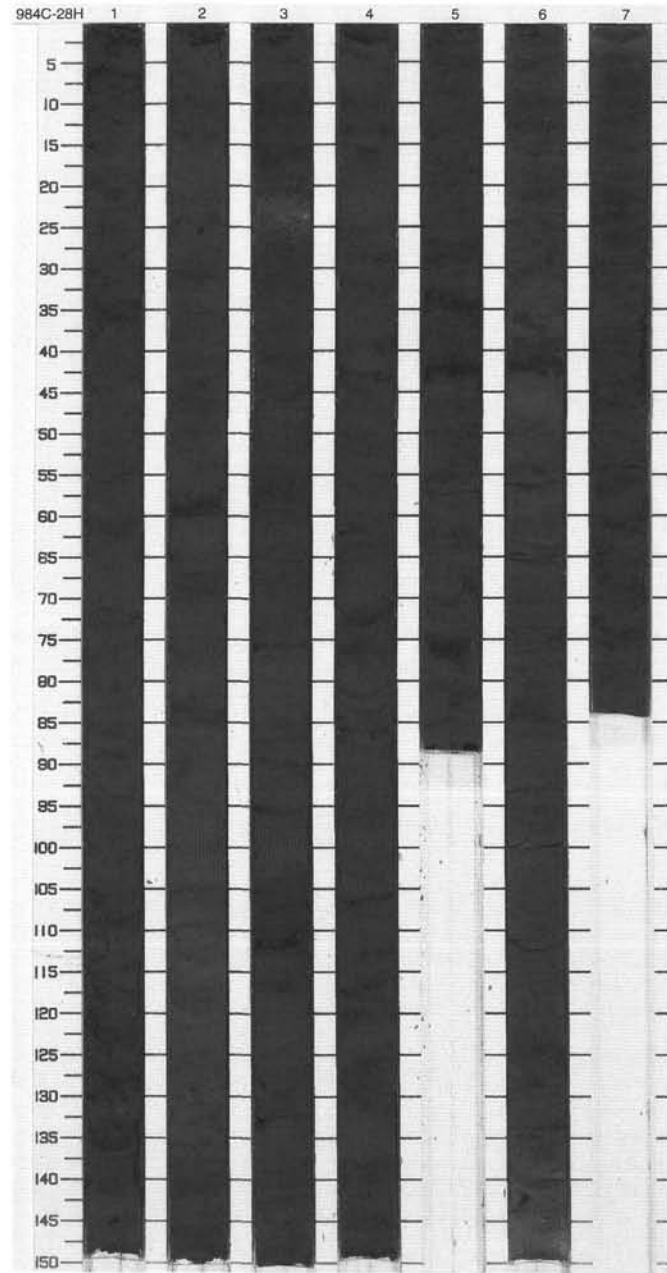
## SITE 984 HOLE C CORE 27H

CORED 244.3 - 253.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0		1			○ ○		10Y 3/1	<p>SILTY CLAY WITH NANNOFOSSILS and SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1 and 5GY 3/1) SILTY CLAY WITH NANNOFOSSILS and very dark gray (5Y 3/1) SILTY CLAY. The uppermost part of the core is soupy due to coring disturbance. The sediment below this disturbed interval is very firm and homogeneous. Sediment is slightly to moderately bioturbated throughout. Green and tan color bands occur in Sections 3 and 5. A very hard dark interval is present in Section 4, 10-20 cm.</p>
1		2				5GY 3/1		
2		3				10Y 3/1		
3		4	late Pliocene			S		
4		5				5Y 3/1		
5		6				S		
6		7				5GY 3/1		
7		CC				M		

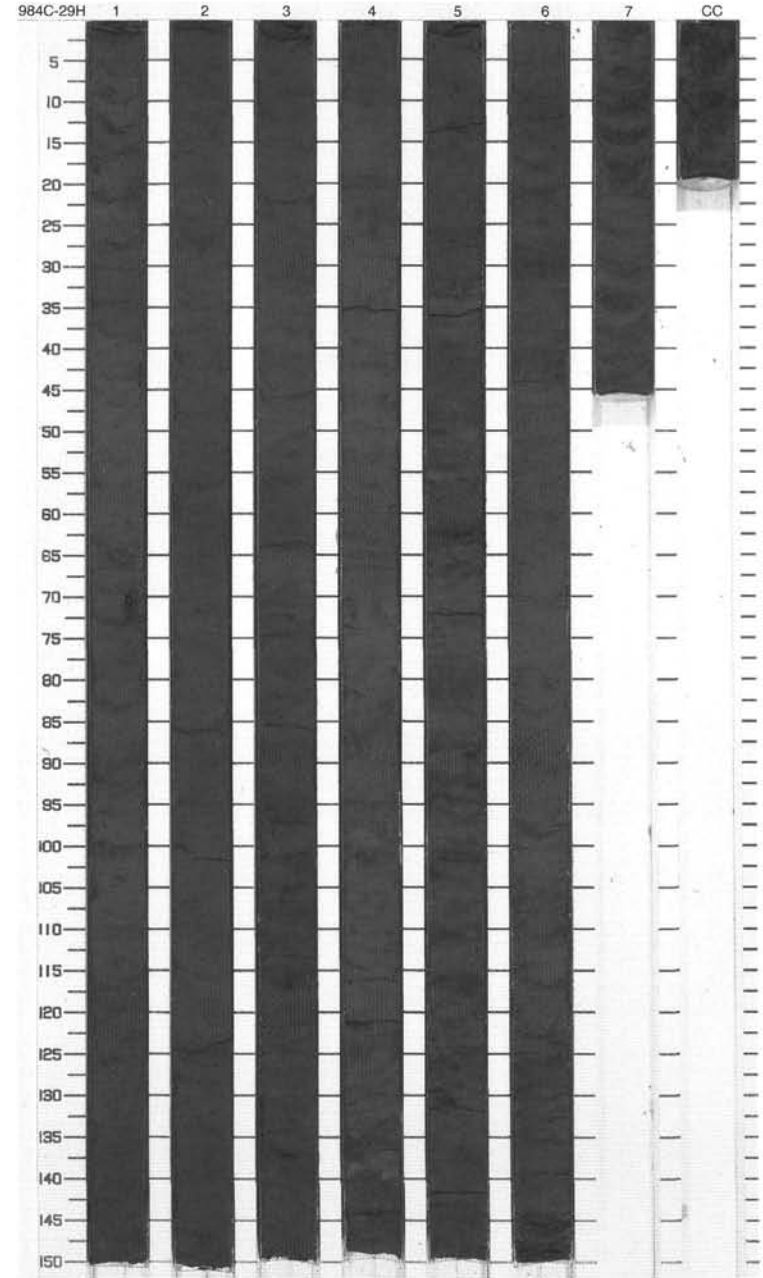


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy line]			5GY 3/1	<p>SILTY CLAY and SILTY CLAY WITH NANNOFOSSILS</p> <p>General Description:                      This core contains very dark greenish gray (5GY 3/1) and dark gray (5Y 4/1) SILTY CLAY WITH NANNOFOSSILS and very dark gray (5Y 3/1) SILTY CLAY. A light gray volcanic glass-rich layer, with a bioturbated lower contact and a graded upper one, occurs in Section 3, 20–26 cm. The sediment is very firm and slightly to moderately bioturbated throughout the core. Green and tan color bands occur in Sections 1, 3, 5, and 6. A very hard dark interval occurs in Section 6, 140–150 cm.</p>
2	[Hatched pattern]	2		[Wavy line]		S		
3	[Hatched pattern]	3		[Wavy line]				
4	[Hatched pattern]	4	late Pliocene	[Wavy line]			5Y 3/1	
5	[Hatched pattern]	5		[Wavy line]			5GY 3/1	
6	[Hatched pattern]	6		[Wavy line]			5Y 4/1	
7	[Hatched pattern]	7		[Wavy line]		S M	5Y 3/1	



SITE 984 HOLE C CORE 29H CORED 263.3 - 272.8 mbsf

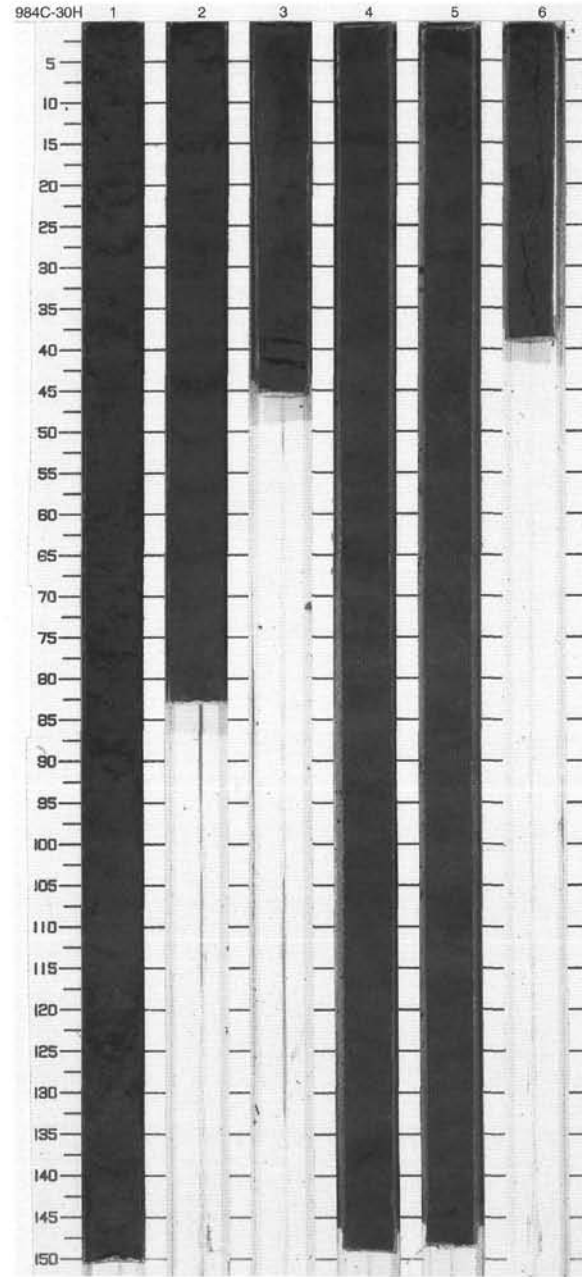
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy line]				<p>SILTY CLAY and SILTY CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY and very dark gray (5Y 3/1) SILTY CLAY WITH NANNOFOSSILS. The sediment is very firm, and slightly to moderately bioturbated throughout the entire core. Color mottling occurs in Sections 4-6. Slight disturbance occurs in the uppermost part of the core and in Sections 4-6.</p>
2	[Hatched pattern]	2		[Wavy line]		S	10Y 3/1	
3	[Hatched pattern]	3		[Wavy line]				
4	[Hatched pattern]	4		[Wavy line]				
5	[Hatched pattern]	5		[Wavy line]				
6	[Hatched pattern]	6		[Wavy line]				
7	[Hatched pattern]	7		[Wavy line]				
		CC				M		
			late Pliocene					
				[Floral symbols]			5Y 3/1	
				[Floral symbols]			10Y 3/1	
				[Floral symbols]			5Y 3/1	
				[Floral symbols]			10Y 3/1	



SITE 984 HOLE C CORE 30H

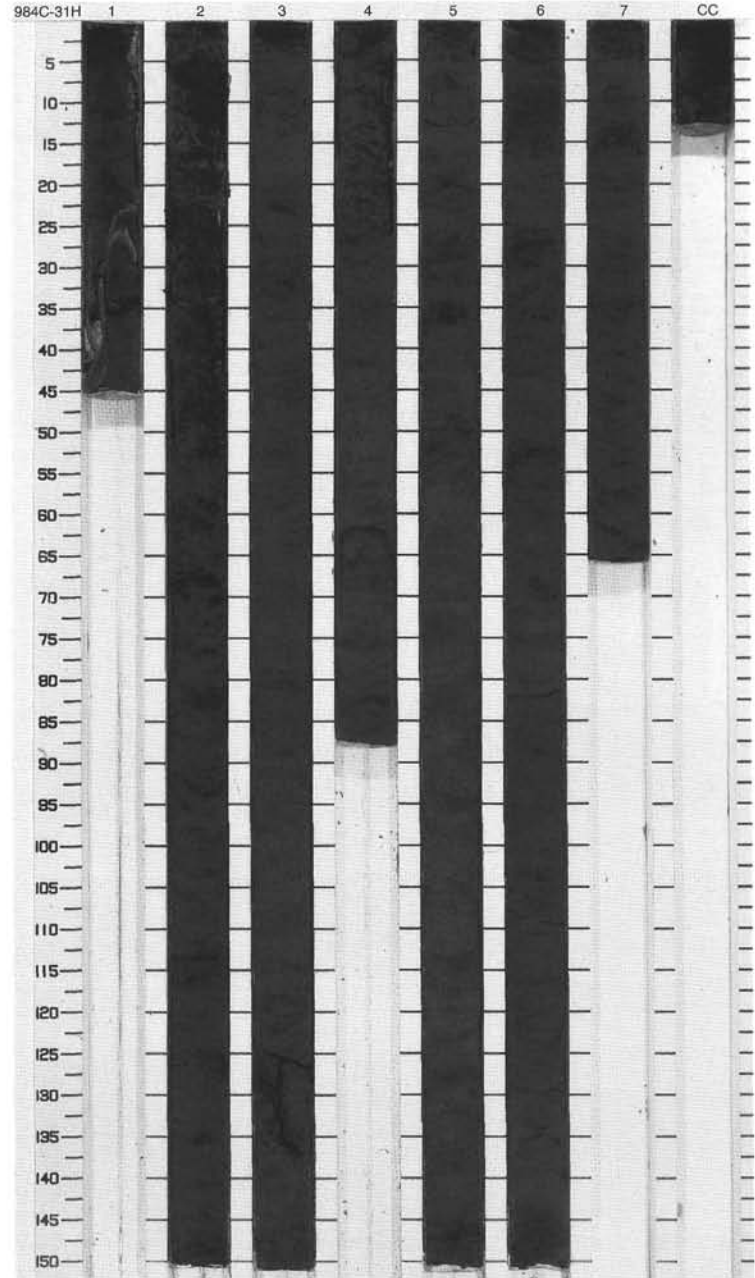
CORED 272.8 - 282.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy line]				<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY. The sediment is very firm. Sections 3-6 are very disturbed. The core has been deformed (Section 6 is only 6-cm in diameter) by drilling procedure.</p>
2	[Hatched pattern]	2		[Wavy line]		S		
3	[Hatched pattern]	3		[Wavy line]	[Wavy line]			
3	[Hatched pattern]	3	late Pliocene	[Wavy line]	[Wavy line]		10Y 3/1	
4	[Hatched pattern]	4		[Wavy line]	[Wavy line]			
5	[Hatched pattern]	5		[Wavy line]	[Wavy line]	S		
6	[Hatched pattern]	6		[Wavy line]	[Wavy line]	M		



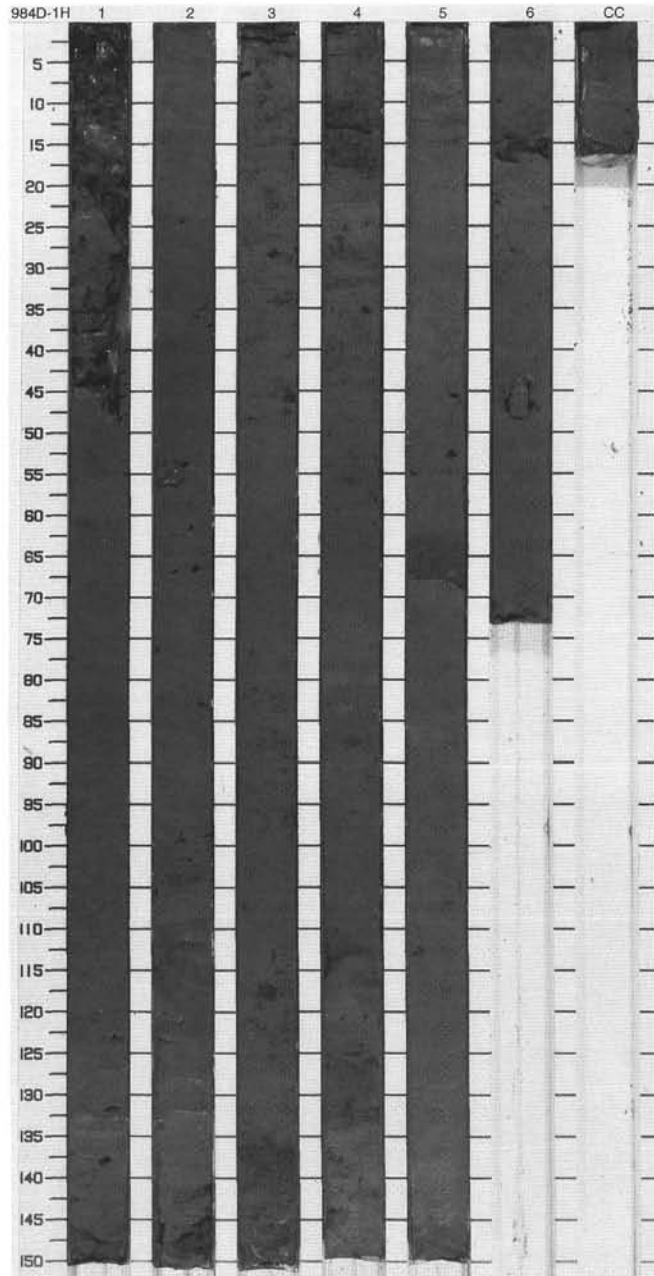
SITE 984 HOLE C CORE 31H CORED 282.3 - 290.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1			W			CLAY WITH SILT
2	[Dotted pattern]	2		—	OOOOO	S	5GY 3/1	<p>General Description:                      This core contains very dark greenish gray (5GY 3/1) and very dark gray (5Y 3/1) CLAY WITH SILT. The sediment is firm, homogeneous, and slightly to moderately bioturbated throughout the entire core. Dark color bands occur in Section 2. Top of Section 1 is soupy to moderately disturbed due to drilling. Section 4 is moderately disturbed.</p>
3	[Dotted pattern]	3				S		
4	[Dotted pattern]	4					5Y 3/1	
5	[Dotted pattern]	5	late Pliocene	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~				
6	[Dotted pattern]	6		~ ~ ~ ~ ~ ~ ~ ~ ~ ~				
7	[Dotted pattern]	7		~ ~ ~ ~ ~			5GY 3/1	
8	[Dotted pattern]					M		





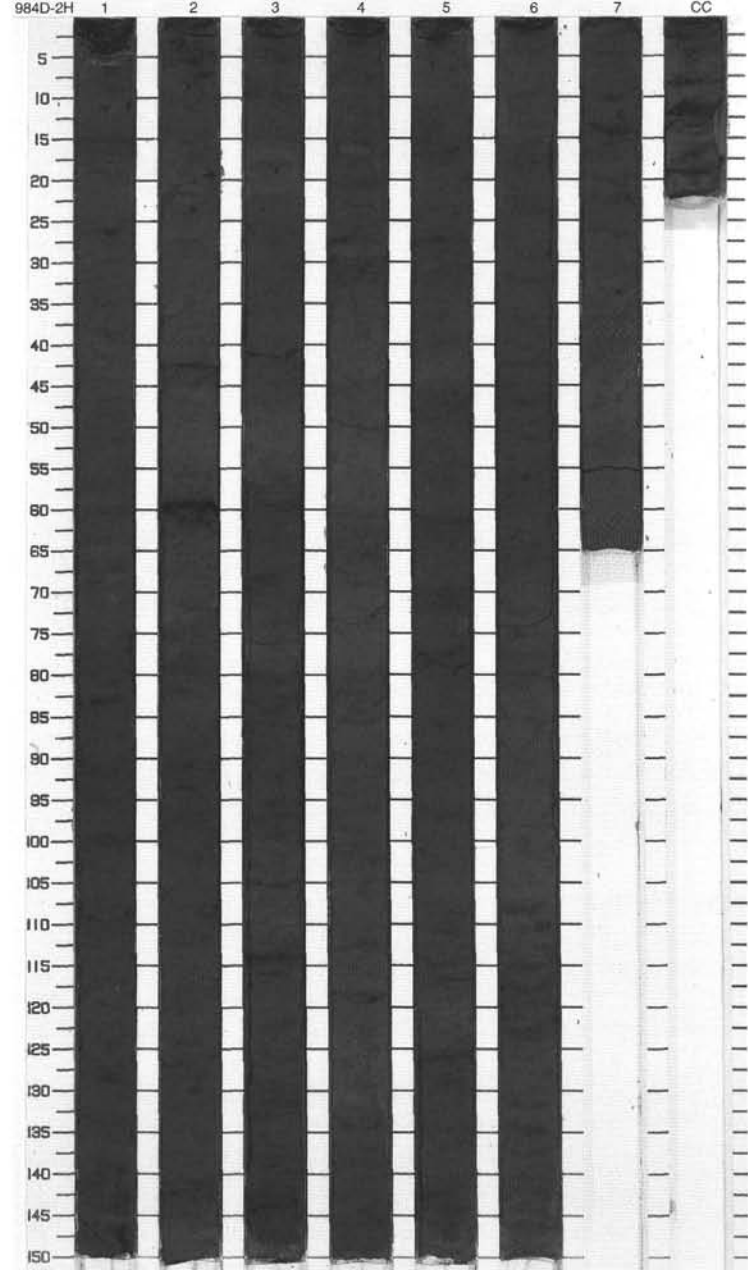
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description		
1	[Pattern]	1	Pleistocene	[Symbol]	○ ○ ○ ○ ○	S	10Y 3/1	<p>SILTY CLAY and NANNOFOSSIL CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) NANNOFOSSIL CLAY WITH SILT and dark gray (5Y 4/1) SILTY CLAY. The sediment is very soft. Color intervals and occurrence of coarser sediments do not exactly overlap. There are many interbedded coarser layers in Sections 3-4. Ash-rich layers are present in Section 4, 10-18 cm, in Section 5, 67 cm (2 thin layers) and Section 6, 14-16 cm. A dark gray 1.1-cm-long conglomeratic subrounded but soft stone (similar to rocks we considered mudclasts) is present in Section 3, 45 cm. A gray 5-cm-long conglomeratic dropstone is situated in Section 6, 44 cm.</p>		
2	[Pattern]	2		[Symbol]			[Symbol]		[Symbol]	5Y 4/1
3	[Pattern]	3		[Symbol]			[Symbol]		[Symbol]	10Y 3/1
4	[Pattern]	4		[Symbol]		[Symbol]	S		5Y 4/1	
5	[Pattern]	5		[Symbol]		[Symbol]				
6	[Pattern]	6		[Symbol]		[Symbol]				
7	[Pattern]	7		[Symbol]						
8	[Pattern]	8		[Symbol]						
CC						M				



SITE 984 HOLE D CORE 2H

CORED 166.2 - 175.7 mbsf

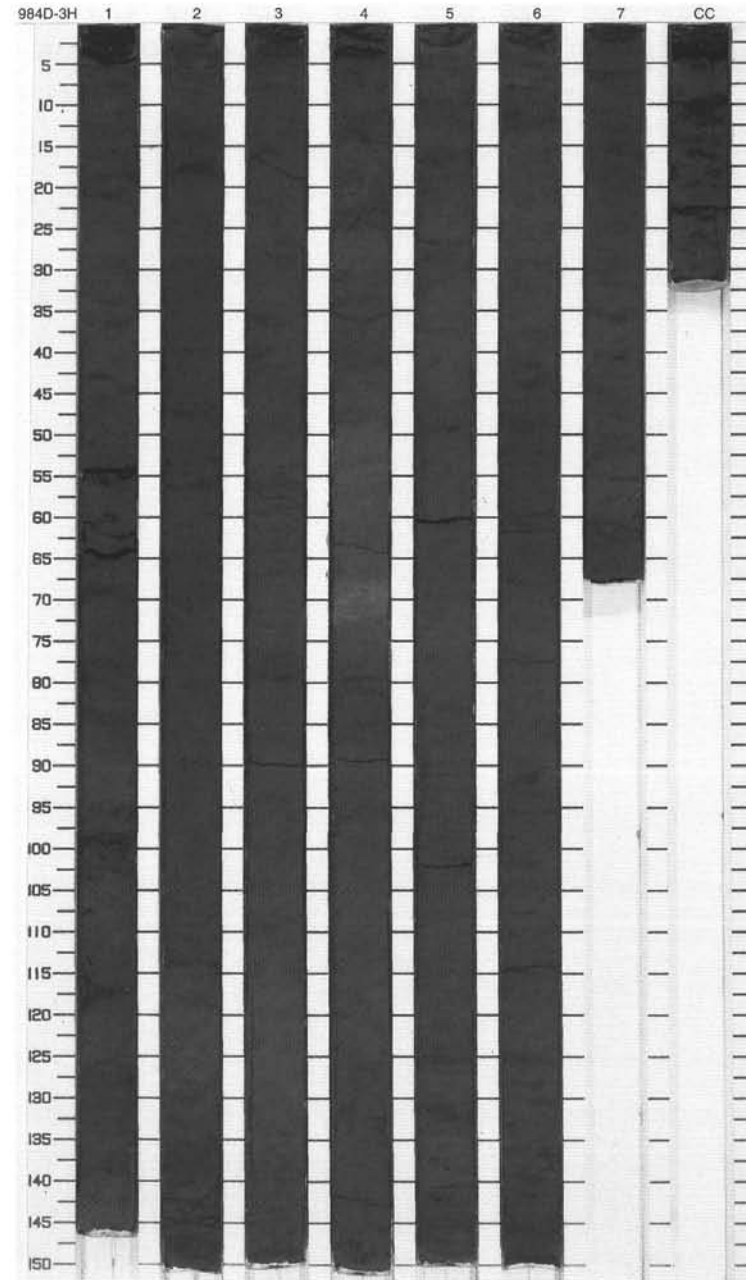
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	[Wavy lines]	○	S	5GY 3/1	<p>CLAY WITH SILT and NANNOFOSSIL CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1), very dark gray (5Y 3/1), and dark greenish gray (5GY 4/1) CLAY WITH SILT alternating with very dark greenish gray (7.5GY 3/1) NANNOFOSSIL CLAY WITH SILT. The sediment is very firm and slightly to moderately bioturbated throughout the entire core. The uppermost part of the core is soupy due to coring disturbance. Green and light gray color mottles occur in Sections 1, 2, 3, 6, and 7. Color changes are mainly gradational except in Section 6, 15 cm. A thick green colored layer with small mud clasts is situated in Section 2, 44-60 cm. A thin light gray (5Y 7/1) layer is present within the very dark greenish gray (7.5GY 3/1) in Section 4, 27-29.</p>
2	[Dotted pattern]	2		[Wavy lines]				
3	[Dotted pattern]	3		[Wavy lines]				
4	[Dotted pattern]	3		[Wavy lines]				
5	[Dotted pattern]	4		[Wavy lines]	S	7.5GY 3/1		
6	[Dotted pattern]	5		[Wavy lines]	S	5GY 3/1		
7	[Dotted pattern]	6		[Wavy lines]				
8	[Dotted pattern]	6	[Wavy lines]	M		5Y 3/1		
9	[Dotted pattern]	7	[Wavy lines]					
		CC						



SITE 984 HOLE D CORE 3H

CORED 175.7 - 185.2 mbsf

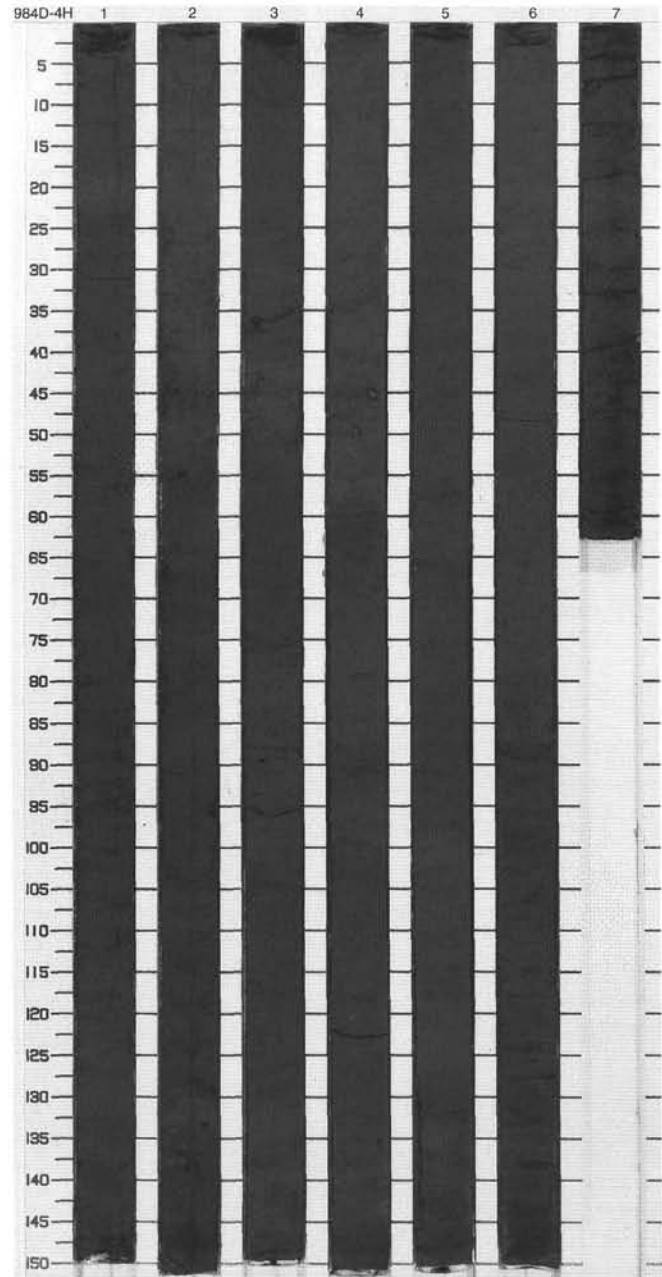
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		[Wavy line]	✓			<p>NANNOFOSSIL CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (7.5GY 3/1 and 5GY3/1) NANNOFOSSIL CLAY WITH SILT. Foraminifer-rich layers are situated in Section 3, 130–150 cm, in Section 4, 145–150 cm, in Section 5, 140–150 cm, and in Section 6, 0–10 cm. Dark greenish gray (5GY 4/1) nannofossil-rich layers are present in Section 4, 50–52 and 64–72 cm. Thin green color bands with gradational contacts are present throughout the entire core. Some of the color bands are firmer than the surrounding sediment, but not all. There are minor grain-size changes and disseminated pyrite throughout.</p>
2	[Dotted pattern]	2		[Wavy line]			7.5GY 3/1	
3	[Dotted pattern]	3		[Wavy line]				
4	[Dotted pattern]	4	Pleistocene	[Wavy line]			5GY 3/1	
5	[Dotted pattern]	5		[Wavy line]		S		
6	[Dotted pattern]	6		[Wavy line]				
7	[Dotted pattern]	7		[Wavy line]		S	7.5GY 3/1	
8	[Dotted pattern]	CC		[Wavy line]				
9	[Dotted pattern]			[Wavy line]		M		



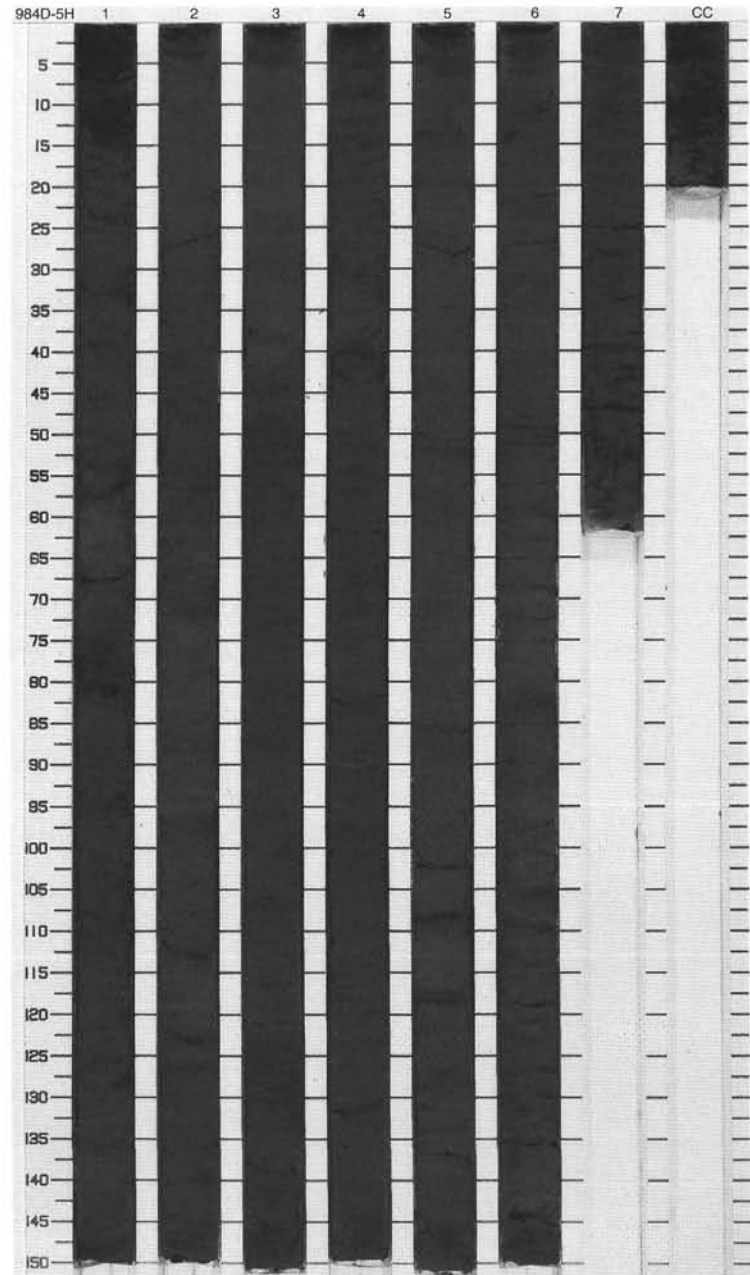
SITE 984 HOLE D CORE 4H

CORED 185.2 - 194.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Wavy line]	[Cloud symbol]		5GY 3/1	<p>SILTY CLAY WITH NANNOFOSSILS</p> <p>General Description:                      This core contains very dark greenish gray (5GY 3/1) and very dark gray (5Y 3/1) SILTY CLAY WITH NANNOFOSSILS. An ash-rich layer is present in Section 3, 88 cm. The sediment is very firm, and slightly to moderately bioturbated throughout. Grayish green (5G 4/2) layers are present in Section 2, 25-60 cm, in Section 3, 40-50 cm, in Section 4, 40-70 cm, and in Section 6, 40-50 cm. Coarser intervals are situated in Section 2, 10-140 cm, in Section 4, 40-70 cm and in Section 6, 80-110 cm. A black 1.1-cm-long subrounded basalt is present in Section 4, 44 cm. Section 7 is very disturbed due to splitting.</p>
2	[Hatched pattern]	2					5G 4/2	
3	[Hatched pattern]	3	[Wavy line]	[Cloud symbol]		5GY 3/1		
4	[Hatched pattern]	4	[Wavy line]	[Cloud symbol]		5Y 3/1		
5	[Hatched pattern]	5	[Wavy line]	[Cloud symbol]				
6	[Hatched pattern]	6	[Wavy line]	[Cloud symbol]				
7	[Hatched pattern]	7	[Wavy line]	[Cloud symbol]				
8	[Hatched pattern]	8	late Pliocene	[Wavy line]			5GY 3/1	
9	[Hatched pattern]	9		[Wavy line]				

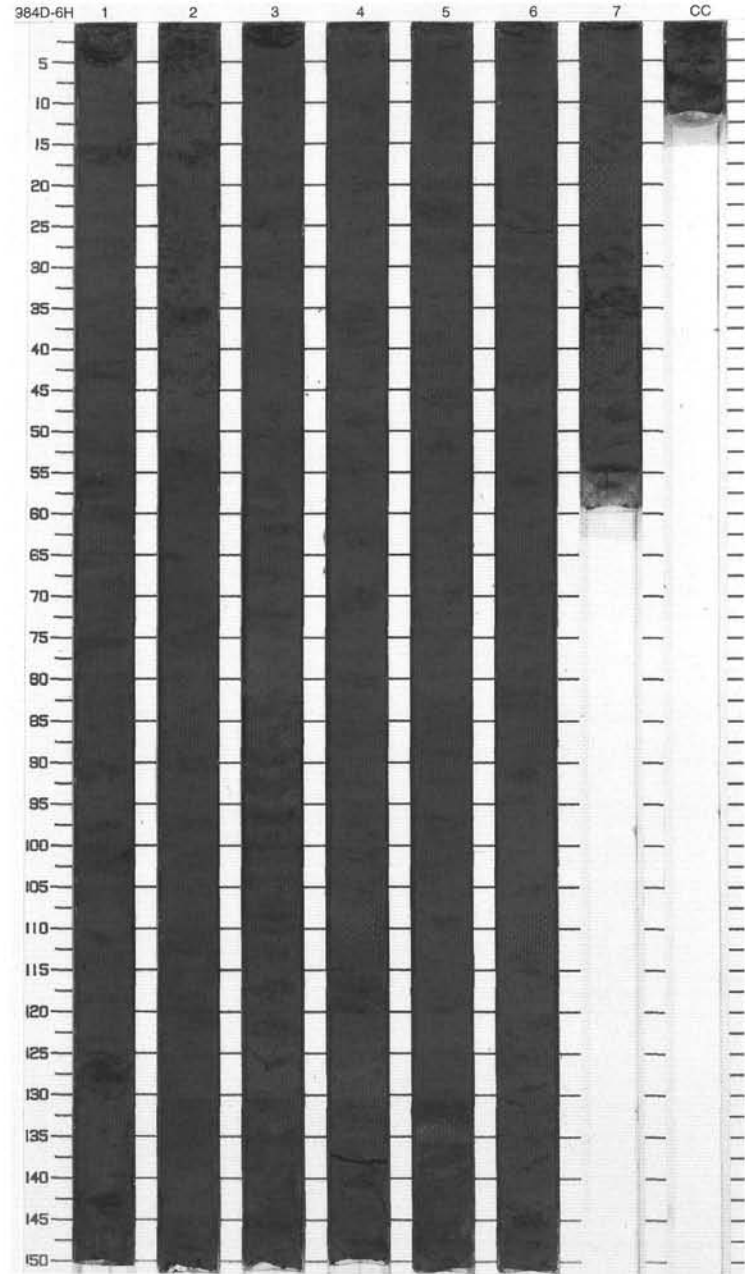


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		}			10Y 3/1	<p>SILTY CLAY and FORAMINIFER SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY alternating with very dark greenish gray (5GY 3/1 to 7.5GY 3/1) FORAMINIFER SILTY CLAY. The sediment is firm and slightly bioturbated throughout. Some intervals are greener and harder than others. Color bands and color mottling occur throughout. All color transitions are gradational. Foraminifers occur on the surface within the FORAMINIFER SILTY CLAY.</p>
2	[Hatched pattern]	2		}-			5GY 3/1	
3	[Hatched pattern]	3		}-			10Y 3/1	
4	[Hatched pattern]	4	late Pliocene	}-			5GY 3/1	
5	[Hatched pattern]	5		}-			10Y 3/1	
6	[Hatched pattern]	6		}-			5GY 3/1	
7	[Hatched pattern]	7		}			10Y 3/1	
						S		
						M		



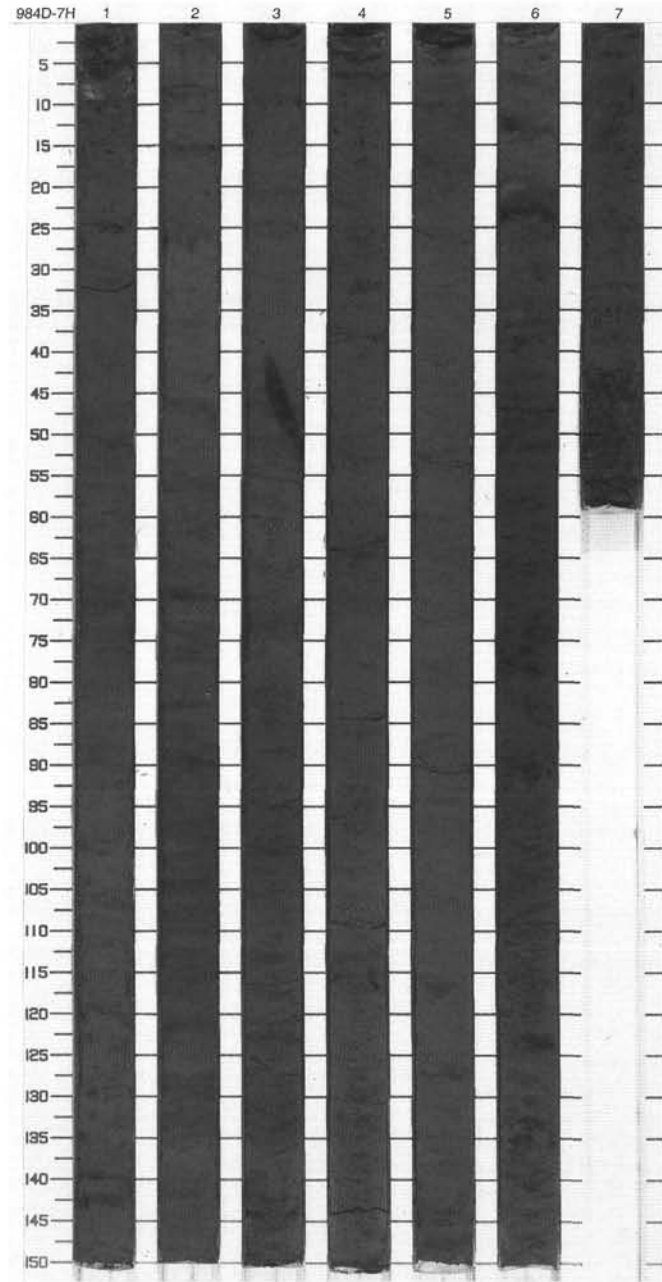
SITE 984 HOLE D CORE 6H CORED 204.2 - 213.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy line]	○		7.5GY 3/1	<p>SILTY CLAY</p> <p>General Description: The core contains very firm, very dark greenish gray (5GY 3/1, 7.5GY 3/1 and 10Y 3/1) SILTY CLAY. A minor lithology, SILTY CLAY WITH FORAMINIFERS, is present in Section 1, 98-102 cm and Section 3, 87-110 cm. The foraminifer-rich layers lie above darker green and harder, clay-rich layers. A light buff ASH layer is present in Section 5, 132-135 cm.</p>
2	[Hatched pattern]	2		[Wavy line]		S		
3	[Hatched pattern]	3		[Wavy line]	○		5GY 3/1	
4	[Hatched pattern]	3		[Wavy line]		S		
5	[Hatched pattern]	4	late Pliocene	[Wavy line]				
6	[Hatched pattern]	5		[Wavy line]				
7	[Hatched pattern]	5		[Wavy line]				
8	[Hatched pattern]	6		[Wavy line]			10Y 3/1	
9	[Hatched pattern]	6		[Wavy line]				
	[Hatched pattern]	7		[Wavy line]				
	[Hatched pattern]			[Wavy line]		M		



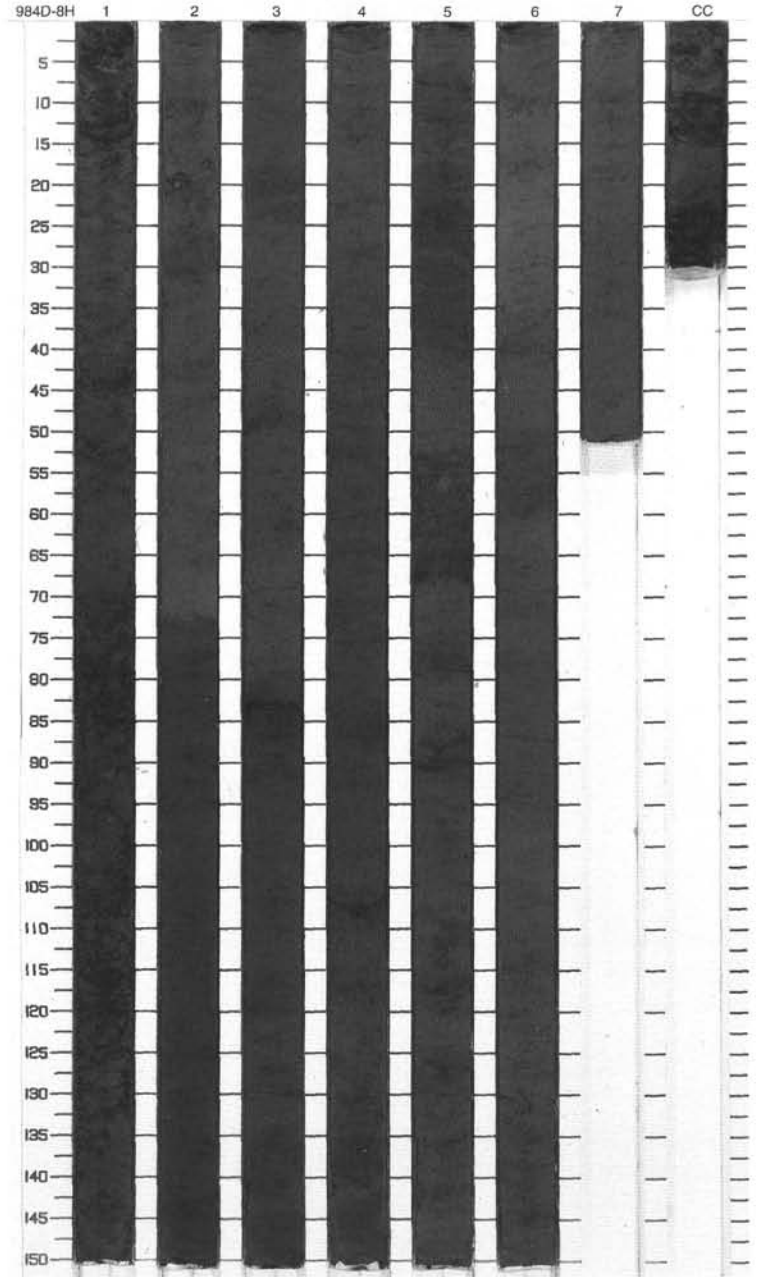


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		[Symbol]	W		10GY 3/0	<p>SILTY CLAY, NANNOFOSSIL CLAY WITH SILT and CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH DIATOMS AND SILT</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1 and 10GY 3/0) SILTY CLAY alternating with very dark greenish gray (5GY 3/1) NANNOFOSSIL CLAY WITH SILT and very dark greenish gray (5GY 3/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH DIATOMS AND SILT. The color changes are slight and gradational. The sediment is firm and slightly bioturbated. Some intervals are greener and harder than others. Green color bands and color mottling occur throughout. The foraminifer content increases within Section 2, 137 cm to Section 3, 41 cm. A 2.0-cm-sized basaltic dropstone is present in Section 6, 10–11.5 cm.</p>
2	[Pattern]	2		[Symbol]				
3	[Pattern]	3		[Symbol]		S		
4	[Pattern]	3		[Symbol]				
5	[Pattern]	4	late Pliocene	[Symbol]		S	5GY 3/1	
6	[Pattern]	5		[Symbol]				
7	[Pattern]	5		[Symbol]				
8	[Pattern]	6		[Symbol]		S		
9	[Pattern]	7		[Symbol]			10GY 3/0	
						M		

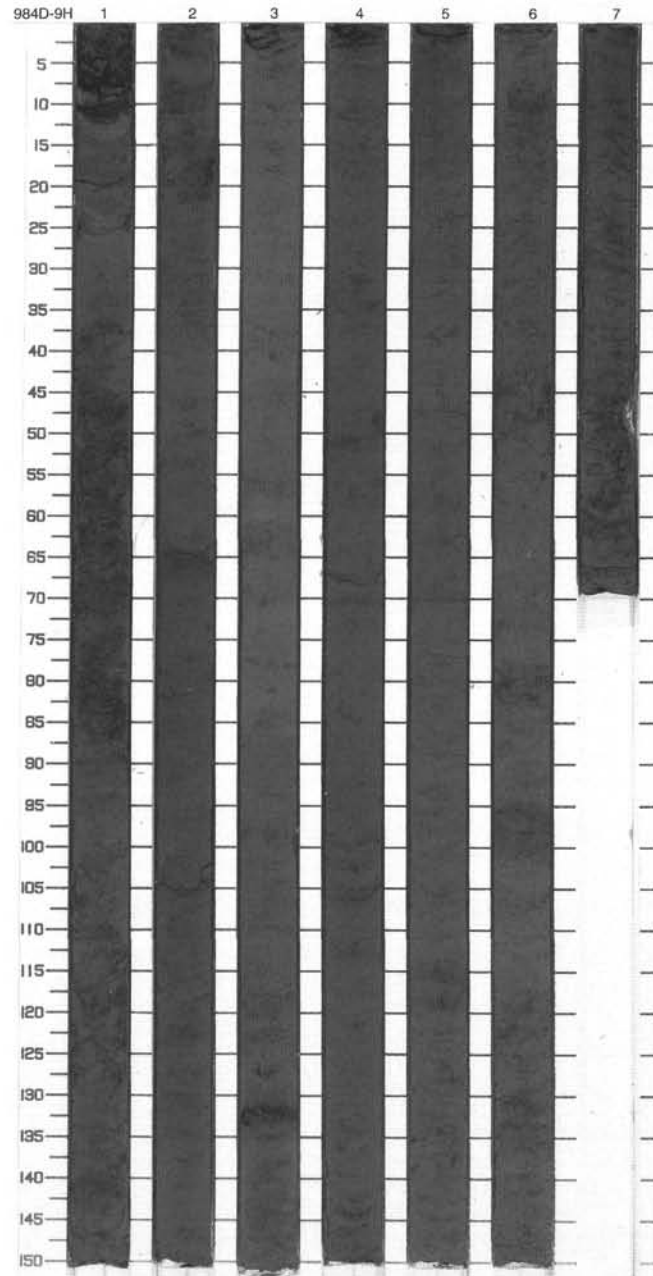


SITE 984 HOLE D CORE 8H CORED 223.2 - 232.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1				S		<p>SILTY CLAY and NANNOFOSSIL CLAY</p> <p>General Description:                      This core contains very dark greenish gray (5GY 3/1) SILTY CLAY interbedded with dark greenish gray (5GY 4/1) NANNOFOSSIL CLAY. Very subtle color changes occur throughout. Light sediment occurs in Section 2, 40-72 cm and Section 6, 18-35 cm. The sediment is very firm and homogeneous. Dark green color bands occur throughout. Slight bioturbation occurs at several layers. A small dropstone (&lt; 0.7-cm) occurs in Section 2, 20 cm. The CC is slightly disturbed. The lower portion of Section 4 and upper portion of Section 5 contain slightly coarse foraminifer-rich sediment.</p>
2	[Hatched pattern]	2				S		
3	[Hatched pattern]	3		~				
4	[Hatched pattern]	4	late Pliocene	~			5GY 3/1 To 5GY 4/1	
5	[Hatched pattern]	5		⊗				
6	[Hatched pattern]	6		~				
7	[Hatched pattern]	7						
CC	[Hatched pattern]	CC				M		



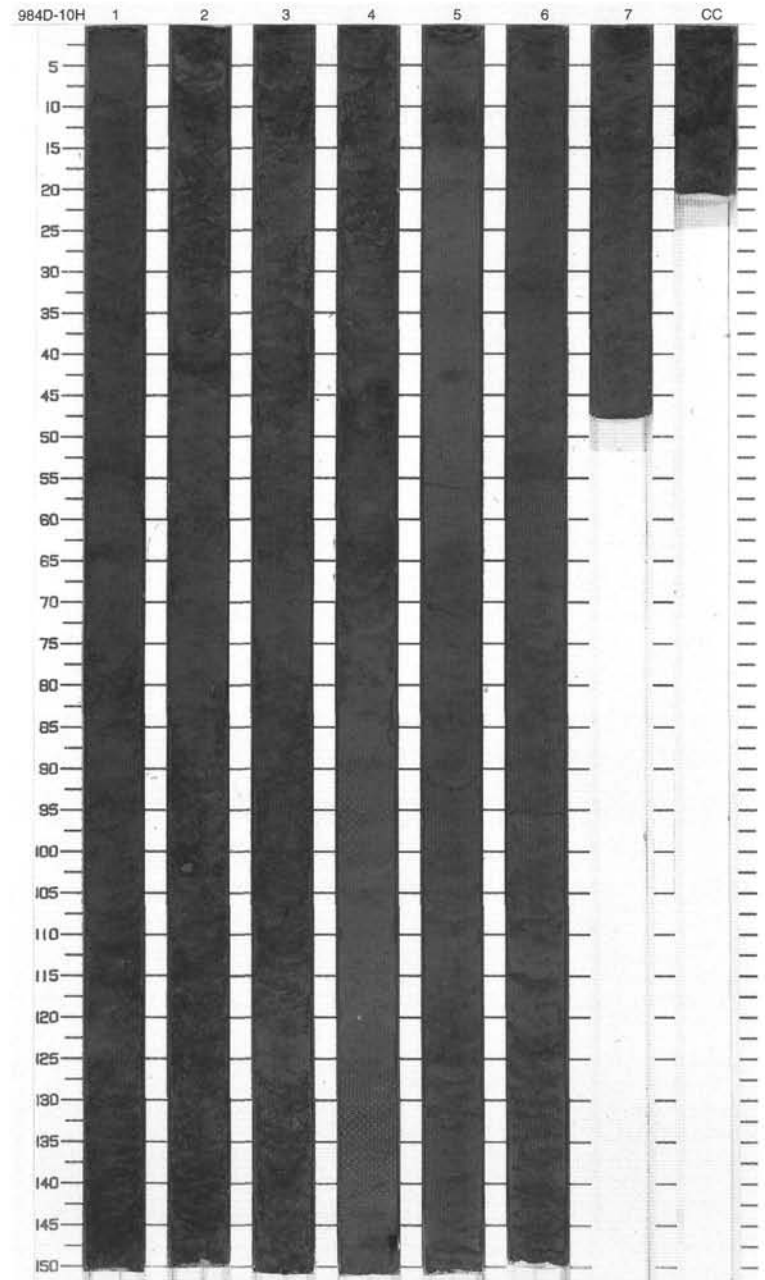
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy line]	W			<p>SILTY CLAY and SILTY CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY and very dark gray (5Y 3/1) SILTY CLAY WITH NANNOFOSSILS. Foraminifer-rich intervals are situated in Section 3, 60-130 cm and in Section 6, 10-40 cm. The sediment is very firm, homogeneous, and slightly to moderately bioturbated throughout. Green and tan color bands occur throughout.</p>
2	[Hatched pattern]	2		[Wavy line]		S	10Y 3/1	
3	[Hatched pattern]	3		[Wavy line]		S	5Y 3/1	
4	[Hatched pattern]	4		[Wavy line]			10Y 3/1	
5	[Hatched pattern]	5		[Wavy line]			5Y 3/1	
6	[Hatched pattern]	6		[Wavy line]			10Y 3/1	
7	[Hatched pattern]	7		[Wavy line]	I	M		



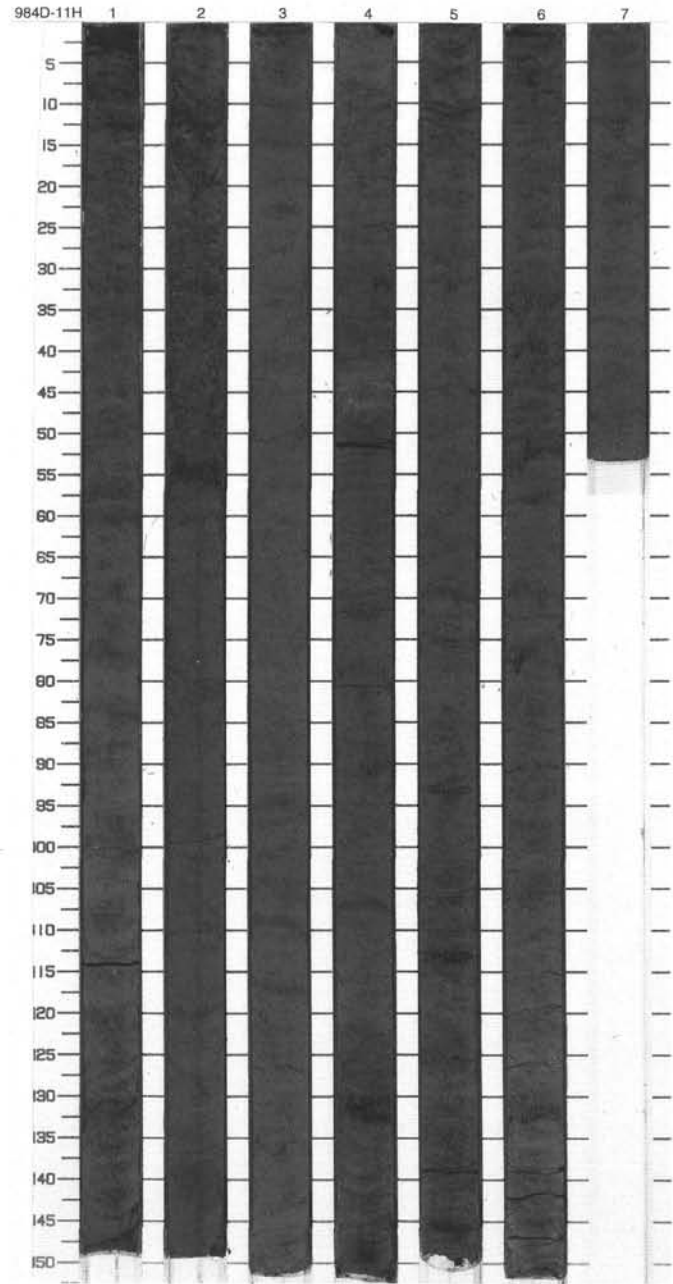
## SITE 984 HOLE D CORE 10H

CORED 242.2 - 251.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1				S	10Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) and dark gray (5Y 4/1) SILTY CLAY. The sediment is firm, homogeneous, and slightly to moderately bioturbated throughout. Color mottling occurs in Section 5. Green layers and blebs are dispersed throughout, especially in Sections 1, 4, 5, and 6. A gray 1.8-cm-long subrounded dioritic dropstone is present in Section 2, 111 cm. A black 2-cm-long rounded basalt is present in Section 4, 147 cm. A very hard interval occurs in Section 4, 136–144 cm. Sections 1 and 2 are slightly disturbed due to coring.</p>
2		2						
3		3						
4		3						
5		4	late Pliocene			S	5Y 4/1	
6		5						
7		5						
8		6					10Y 3/1	
9		7						
		CC				M		



Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		[Wavy line]				<p>CLAY WITH SILT</p> <p>General Description; This core contains very dark greenish gray (10Y 3/1 to 5GY 3/1) CLAY WITH SILT. An ash-rich layer with a bioturbated lower contact and a graded upper contact occurs in Section 4, 40-47. The sediment is firm, homogeneous, and slightly bioturbated throughout. Color mottling occurs in Section 4. Disseminated pyrite is dispersed in Section 4.</p>
2	[Dotted pattern]	2		[Wavy line]				
3	[Dotted pattern]	3		[Wavy line]				
4	[Dotted pattern]	3		[Wavy line]		S		
5	[Dotted pattern]	4	late Pliocene	[Wavy line]			10Y 3/1 To 5GY 3/1	
6	[Dotted pattern]	4		[Wavy line]				
7	[Dotted pattern]	5		[Wavy line]				
8	[Dotted pattern]	6		[Wavy line]		P		
9	[Dotted pattern]	6		[Wavy line]		P		
		7		[Wavy line]		M		



SITE 984 HOLE D CORE 12H

CORED 261.2 - 270.7 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	[Wavy line]	[Dashed line]			<p>CLAY WITH SILT</p> <p>General Description:            This core contains very dark greenish gray CLAY WITH SILT. The sediment is very firm, homogeneous, and slightly bioturbated throughout. Green and dark color bands are dispersed in Sections 5 and 6. Section 1 is slightly disturbed. Sections 6 and 7 are very disturbed due to coring.</p>
2	[Dotted pattern]	2	[Wavy line]				
3	[Dotted pattern]	3	[Wavy line]				
4	[Dotted pattern]	4	[Wavy line]				
5	[Dotted pattern]	5	[Wavy line]				
6	[Dotted pattern]	6	[Wavy line]				
7	[Dotted pattern]	7	[Wavy line]				
		late Pliocene				10Y 3/1	
8	[Dotted pattern]		[Wavy line]				
9	[Dotted pattern]		[Wavy line]				
						M	

