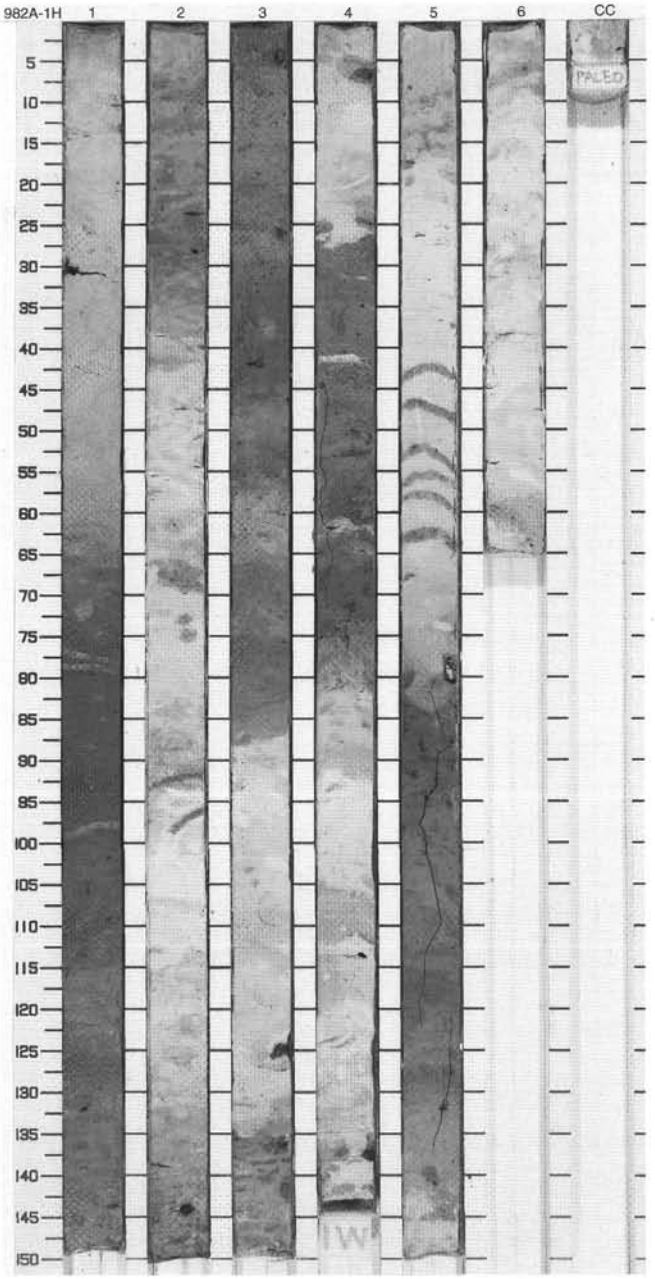
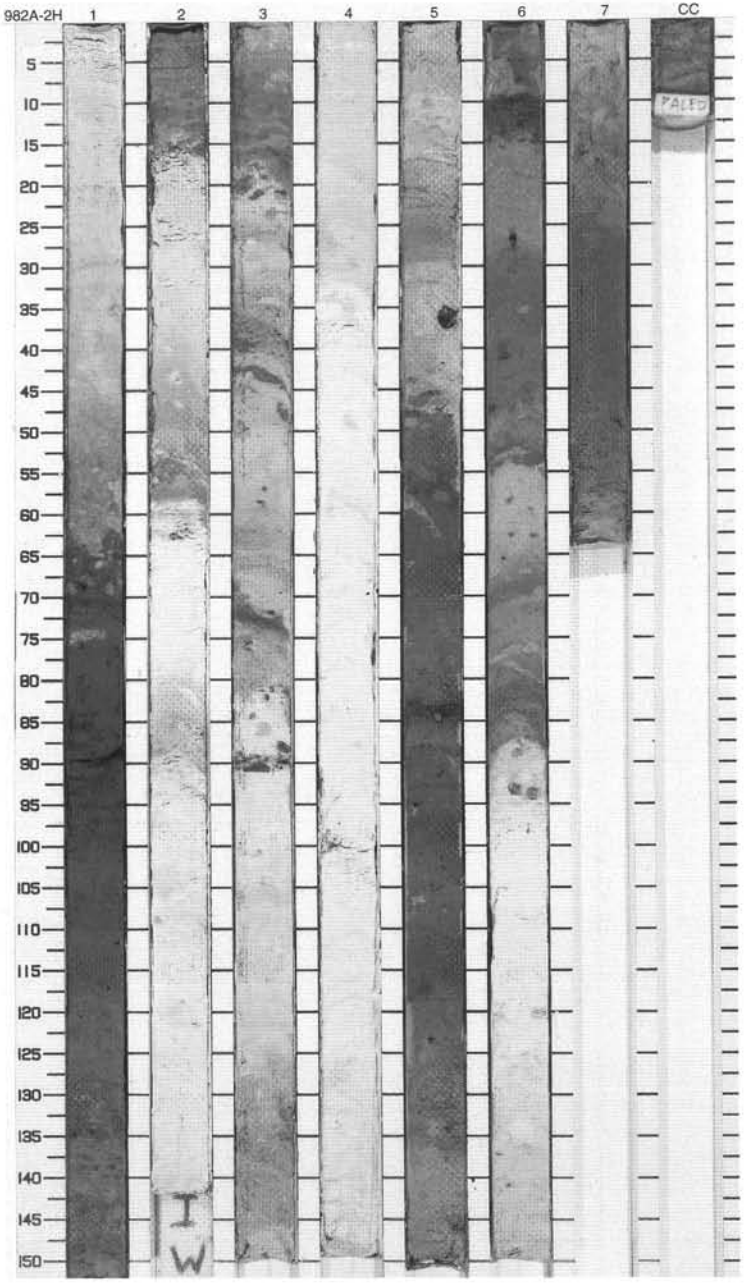
SITE 982 HOLE A CORE 1H COVERED 0.0 - 8.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	Pleistocene			S, S, S, I, S, X	2.5Y 7/2; 5Y 5/1 To 2.5Y 7/2; 10YR 5/3; 5Y 8/1; 5Y 5/1; 5Y 8/1; 10YR 5/3; 5Y 8/1; 10YR 5/3; 5Y 8/1 To 2.5Y 7/2	NANNOFOSSIL OOZE and NANNOFOSSIL SILTY CLAY General Description: This core contains white (5Y 8/1) NANNOFOSSIL OOZE alternating with brown (10YR 5/3) SILTY CLAY and gray (5Y 5/1) to light gray (2.5Y 7/2) NANNOFOSSIL SILTY CLAY. The core is slightly to moderately bioturbated throughout. White *Zoophycus* burrow occur in the dark section and dark burrows occur in light sediment. A gray quartzitic subrounded dropstone is present at Section 2, 145 cm. A granitic dropstone (2 cm) is situated at 124 cm in Section 3. A black basaltic subangular dropstone (2.3 cm) occurs in Section 5, 78 cm. Fragments of shell are found in Section 3 at 41 cm and at 80 cm in Section 4. A scaphopod is present at 42 cm in Section 3.



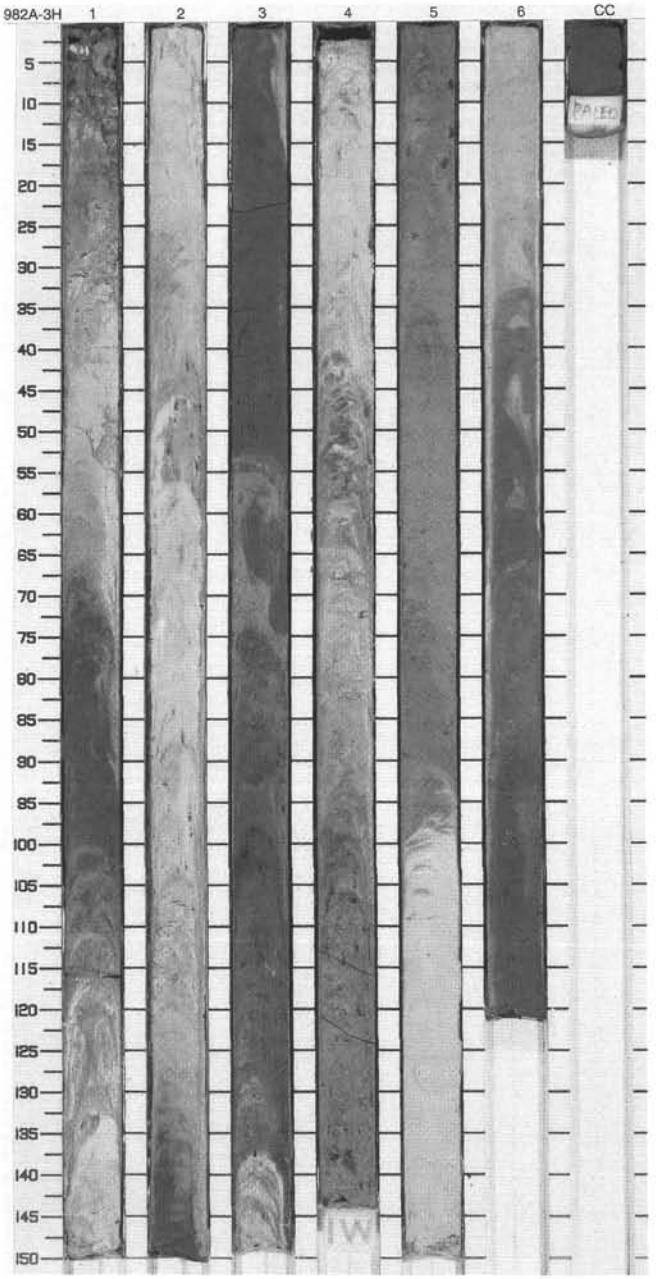
SITE 982 HOLE A CORE 2H CORED 8.2 - 17.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene			S	5Y 7/1	NANNOFOSSIL OOZE, NANNOFOSSIL SILTY CLAYEY MIXED SEDIMENT and SILTY CLAY WITH NANNOFOSSILS General Description: This core contains white (5Y 8/1) and light gray (5Y 7/1) NANNOFOSSIL OOZE alternating with gray (5Y 5/1) NANNOFOSSIL SILTY CLAYEY MIXED SEDIMENT and SILTY CLAY WITH NANNOFOSSILS. Dark gray (4Y 4/1) CLAYEY SILT layers are present in Section 1, 64–109 cm, and Section 5, 46–120 cm. SANDY SILT layers occur between 89 and 91 cm in Section 4 and between 6 and 14 cm in Section 6. Dropstones > 1 cm long, include a 2.5 cm subrounded biotite gneiss at 37 cm in Section 5 and a 1.7 subangular feldspar is present at 86 cm in Section 5. A 2.6 cm long and 0.4 cm wide burrow is situated at 101 cm in Section 3.
						S	5Y 5/1	
2		2					5Y 7/1	
						I	5Y 8/1	
3		3					5Y 7/1	
						S	5Y 8/1	
4		4		P			5Y 5/1 To 5Y 6/1	
							5Y 8/1	
5		5		◇ ◇			5Y 4/1 To 5Y 5/1	
6		6					5Y 8/1 To 5Y 5/1	
7		7					5Y 4/1	
		CC				M		



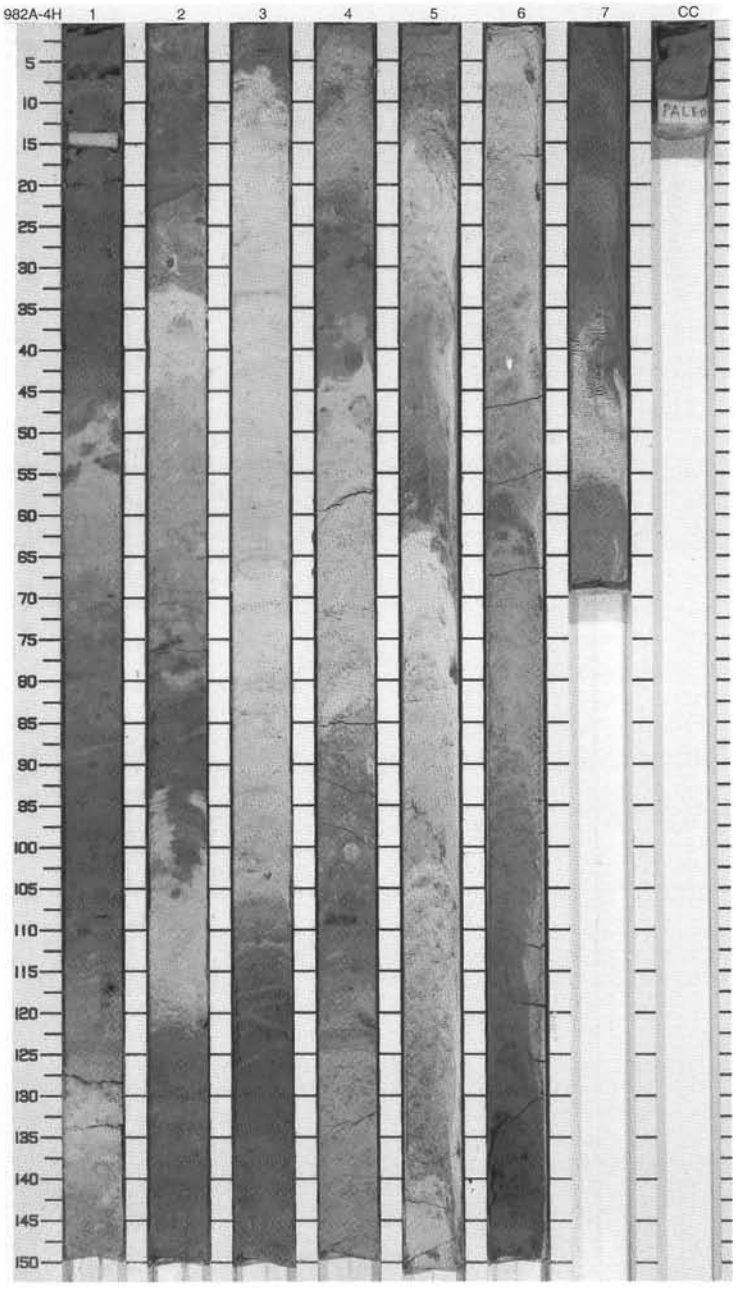
SITE 982 HOLE A CORE 3H CORED 17.7 - 27.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1	Pleistocene				5Y 5/1 To 5Y 6/1	NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL MIXED SEDIMENT General Description: This core contains gray (5Y 5/1 and 5Y 6/1) NANNOFOSSIL OOZE alternating with dark gray (10Y 4/1 and 5Y 4/10) CLAYEY NANNOFOSSIL MIXED SEDIMENT. The entire core is highly disturbed and disturbance overprints all of the primary structures and layer contacts.
		2					5Y 6/1	
		3					5Y 4/1	
		4					5Y 5/1 To 5Y 6/1	
		5				I	5Y 6/1	
		6					10Y 7/1 To 10Y 4/1	
		CC						



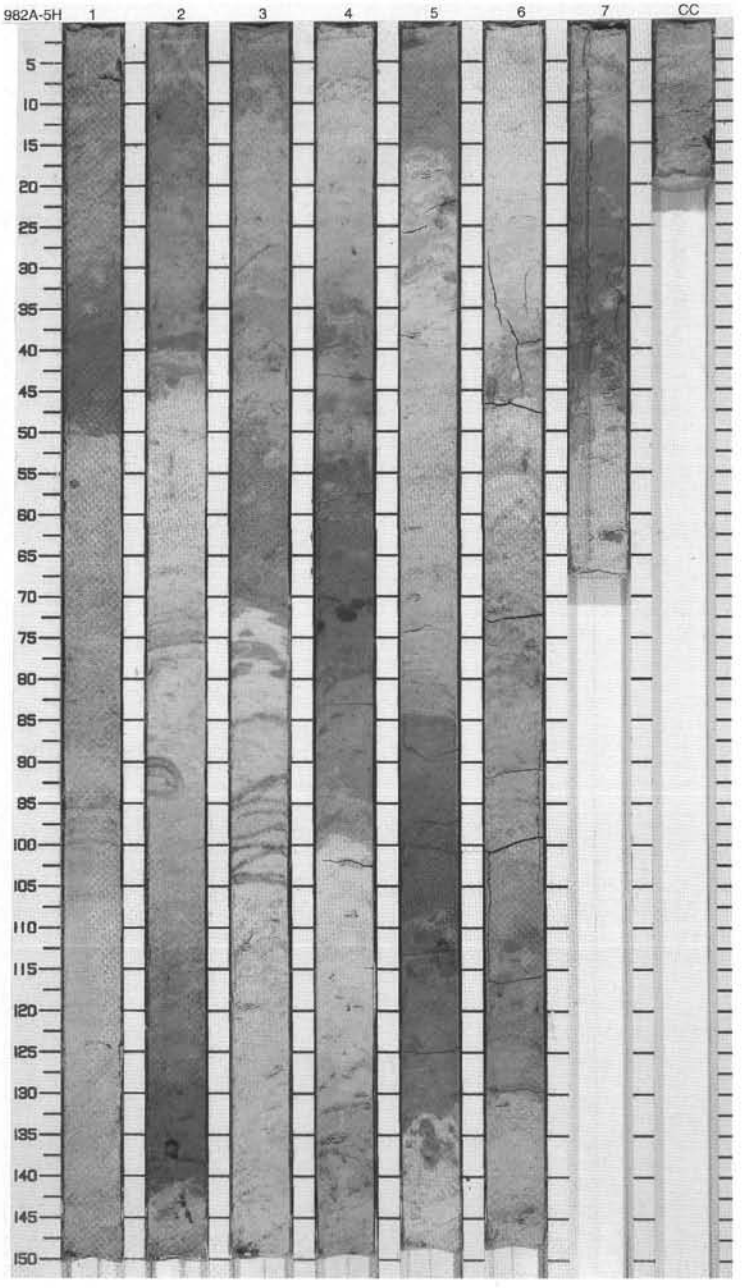
SITE 982 HOLE A CORE 4H CORED 27.2 - 36.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene–Pleistocene	↑ F, P	WWW	S	5Y 5/1	NANNOFOSSIL OOZE WITH FORAMINIFERS, SILTY CLAY WITH NANNOFOSSILS and SILTY CLAYEY NANNOFOSSIL MIXED SEDIMENT General Description: This core contains white (5Y 8/1) and light gray (5Y 7/1) to gray (5Y 6/1) NANNOFOSSIL OOZE WITH FORAMINIFERS alternating with gray (5Y 5/1) and dark gray (10Y 4/1) SILTY CLAYEY NANNOFOSSIL MIXED SEDIMENT and SILTY CLAY WITH NANNOFOSSILS. Section 3 contains a series of color bands, and Section 4 consists of greenish, gray and dark gray poorly defined layers. The sediment is coarser in the uppermost part of the core. The core is very disturbed in Sections 5, 6, and 7.
							5Y 5/1 To 5Y 7/1	
		2					5Y 7/1	
							5Y 5/1 To 5Y 7/1	
		3				S	5Y 8/1	
							5Y 5/1 To 5Y 6/1	
		4		P			5Y 7/1	
							5Y 6/1	
		5			WWWWWWWWWWWWWWWWWWWW		5Y 7/1 To 5Y 6/1	
		6					10Y 4/1 To 10Y 6/1	
		7					5Y 6/1	
		CC			WWWWWWWWWWWWWWWWWWWW	M		



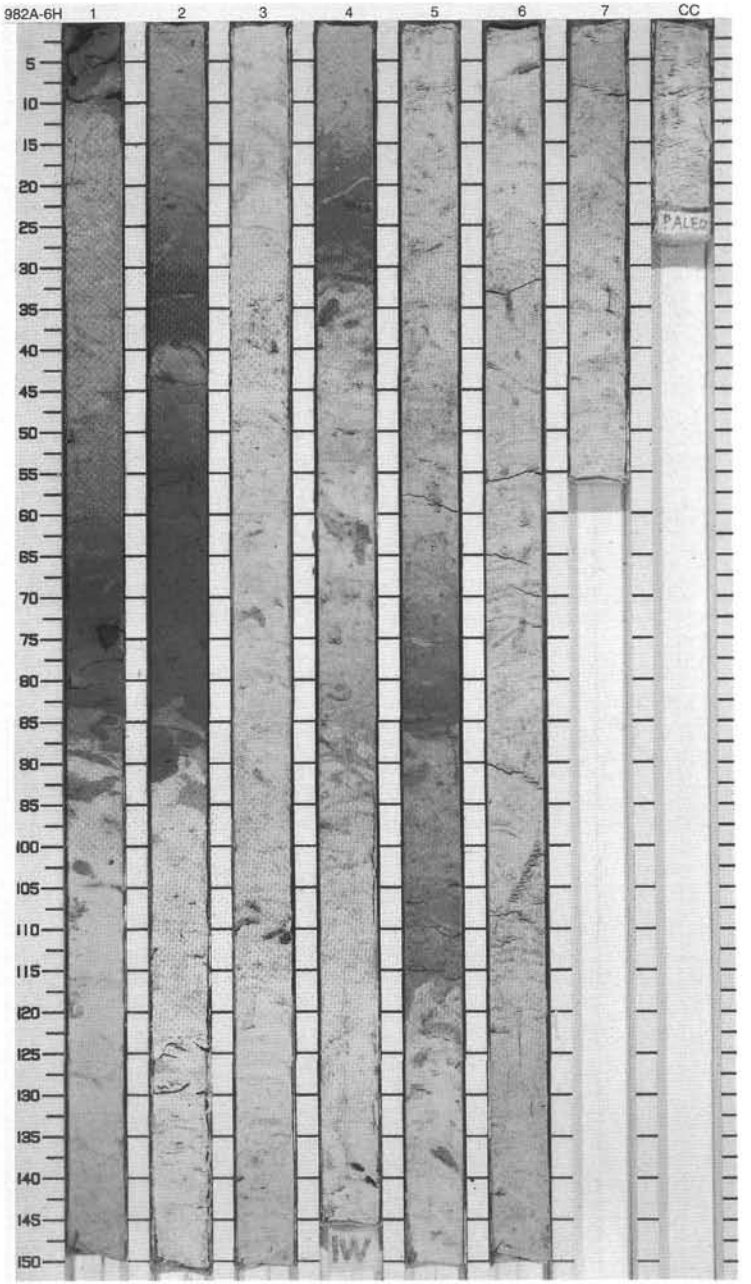
SITE 982 HOLE A CORE 5H CORED 36.7 - 46.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3 4 5 6 7 8 9		1 2 3 4 5 6 7 CC	late Pliocene	P P P		S S	5Y 5/1 5Y 7/1 5Y 5/1 5Y 6/1 5Y 7/1 5Y 6/1 5Y 8/1 To 5Y 7/1 5Y 6/1 5Y 7/1 5Y 6/1 5Y 5/1 5Y 7/1	SILTY CLAYEY NANNOFOSSIL MIXED SEDIMENT and NANNOFOSSIL OOZE WITH CLAY AND FORAMINIFERS General Description: This core contains white (5Y 8/1) and light gray (5Y 7/1) to gray (5Y 6/1) NANNOFOSSIL OOZE WITH CLAY AND FORAMINIFERS and gray (5Y 5/1) SILTY CLAYEY NANNOFOSSIL MIXED SEDIMENT. The sediment is moderately firm. Disseminated pyrite is dispersed throughout the entire core. Color bands are common in the lighter sections. A subrounded 2.3 cm greenish quartzite dropstone is present at 136 cm in Section 2. In Section 2, an unusual oxidation ring is present around a burrow at 90 cm. In Section 3, some brown gray mottles and burrows are present.



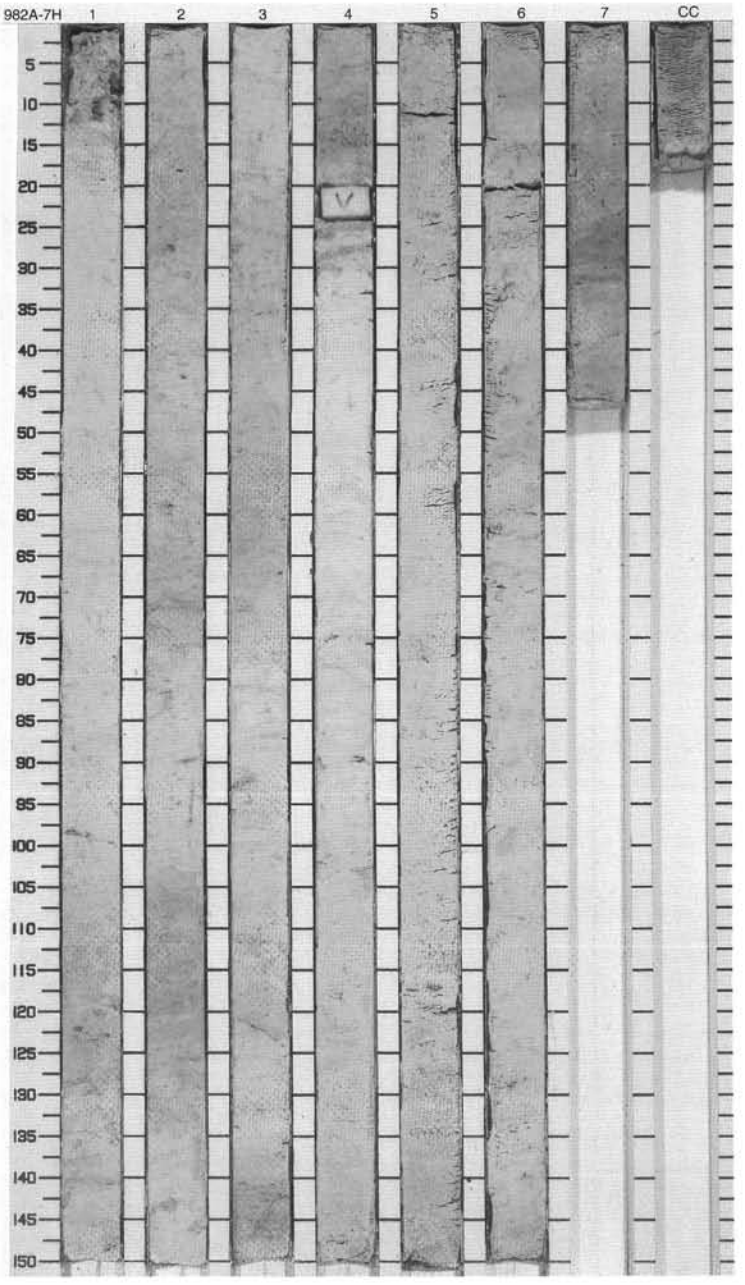
SITE 982 HOLE A CORE 6H CORED 46.2 - 55.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene	◇ P	WW		10Y 6/1	NANNOFOSSIL OOZE and CLAY WITH NANNOFOSSILS
							10Y 5/1	
							10Y 8/1	General Description:
							10Y 7/1 To 10Y 5/1	This core contains white (10Y 8/1), light greenish gray (10Y 7/1) and light greenish gray (10Y 6/1) NANNOFOSSIL OOZE and dark greenish gray (10Y 5/1) CLAY WITH NANNOFOSSILS. The sediment is firm and homogeneous. A 3 cm angular dropstone (quartz-rich igneous rock) is situated at 72 cm in Section 1. Some greenish and purple color bands often occur in very light and light sediment.
		2		P	OOO		10Y 8/1	
		3		P P			10Y 7/1 To 10Y 8/1	
		4				I	10Y 5/1	
		5					10Y 7/1	
		6					10Y 6/1	
							10Y 8/1	
		7					10Y 7/1	
		CC						



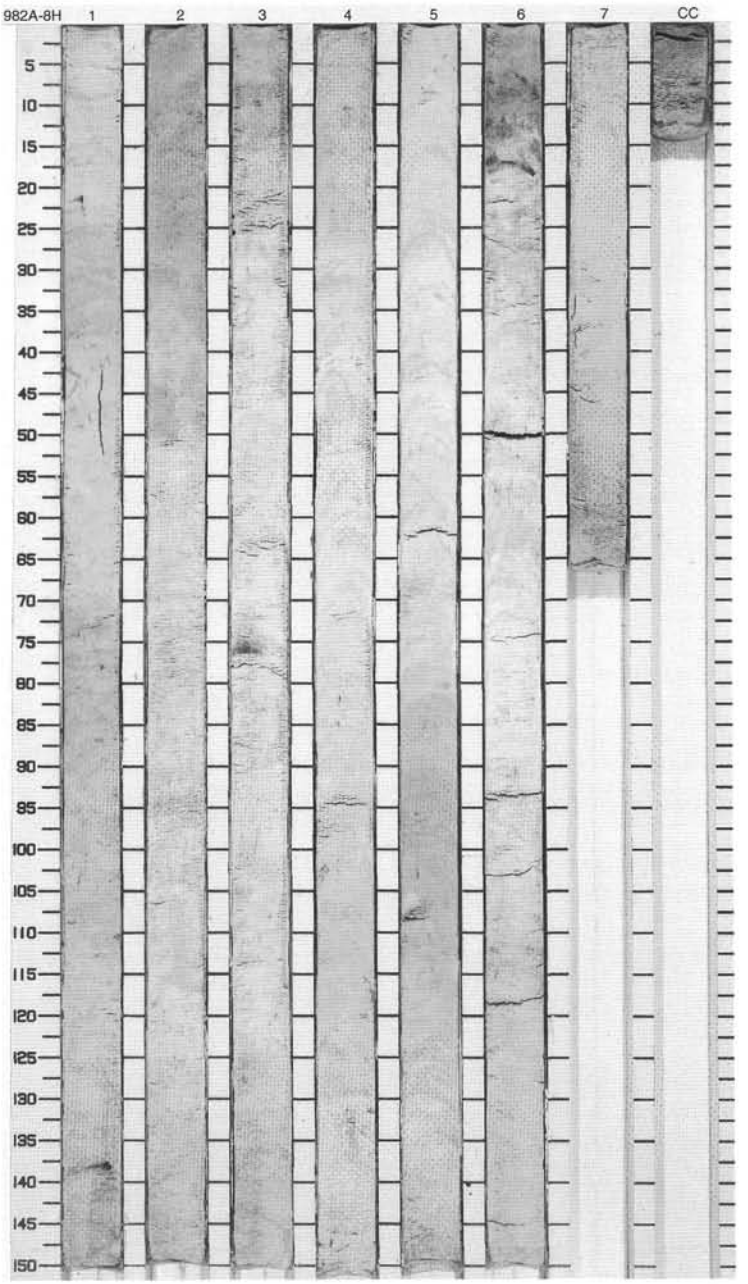
SITE 982 HOLE A CORE 7H CORED 55.7 - 65.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene	P	○	S	10Y 8/1	NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH FORAMINIFERS AND CLAY General Description: This core contains soft, homogeneous, light greenish gray to white (10Y 7/1 to 10Y 8/1) NANNOFOSSIL OOZE. Faint color bands are disposed throughout. The slight color changes are gradational, and repeated. The uppermost 12 cm of the core are soupy due to drilling disturbance.
							10Y 7/1	
							10Y 8/1	
		2		P			10Y 7/1	
		3				S	10Y 8/1 To 10Y 7/1	
		4		P			5GY 8/1	
		5					5Y 8/1	
		6						
		7						
		CC				M	10Y 8/1	



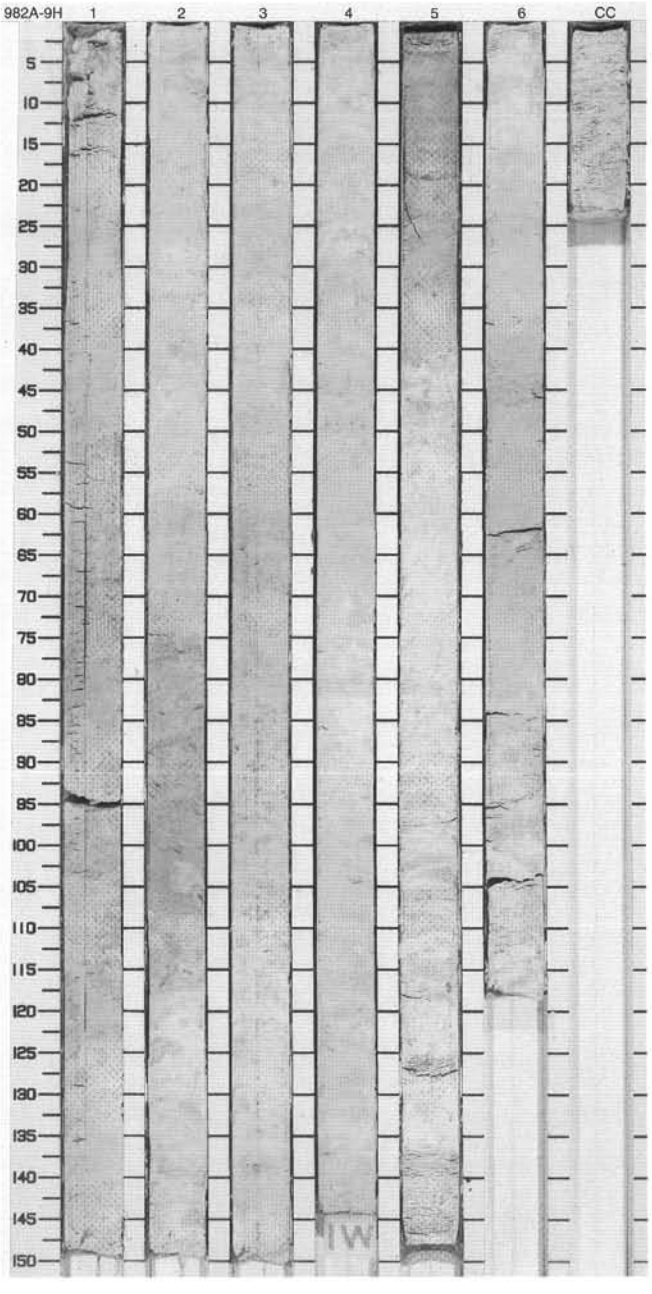
SITE 982 HOLE A CORE 8H CORED 65.2 - 74.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene	P		S	5GY 7/1	NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL OOZE WITH CLAY General Description: This core contains light greenish gray (5GY 7/1) NANNOFOSSIL OOZE WITH CLAY and light gray (5Y 7/1) NANNOFOSSIL OOZE WITH FORAMINIFERS. The sediment is moist and soft. A black sediment layer is found at Section 6, 0–15 cm. The light greenish gray (5GY 7/1) and light gray (5Y 7/1) alternating layers are slightly bioturbated with disseminated pyrite present at several layers. Discrete burrow traces are widespread in Sections 5 and 6. The top of Section 3 contains a 15 cm oxidized layer.
		2						
		3		P			5Y 7/1	
		4		⋙				
		5		≈≈≈			5GY 7/1 To 5Y 7/1	
		6		P				
		7				M	5GY 7/1	
		CC						



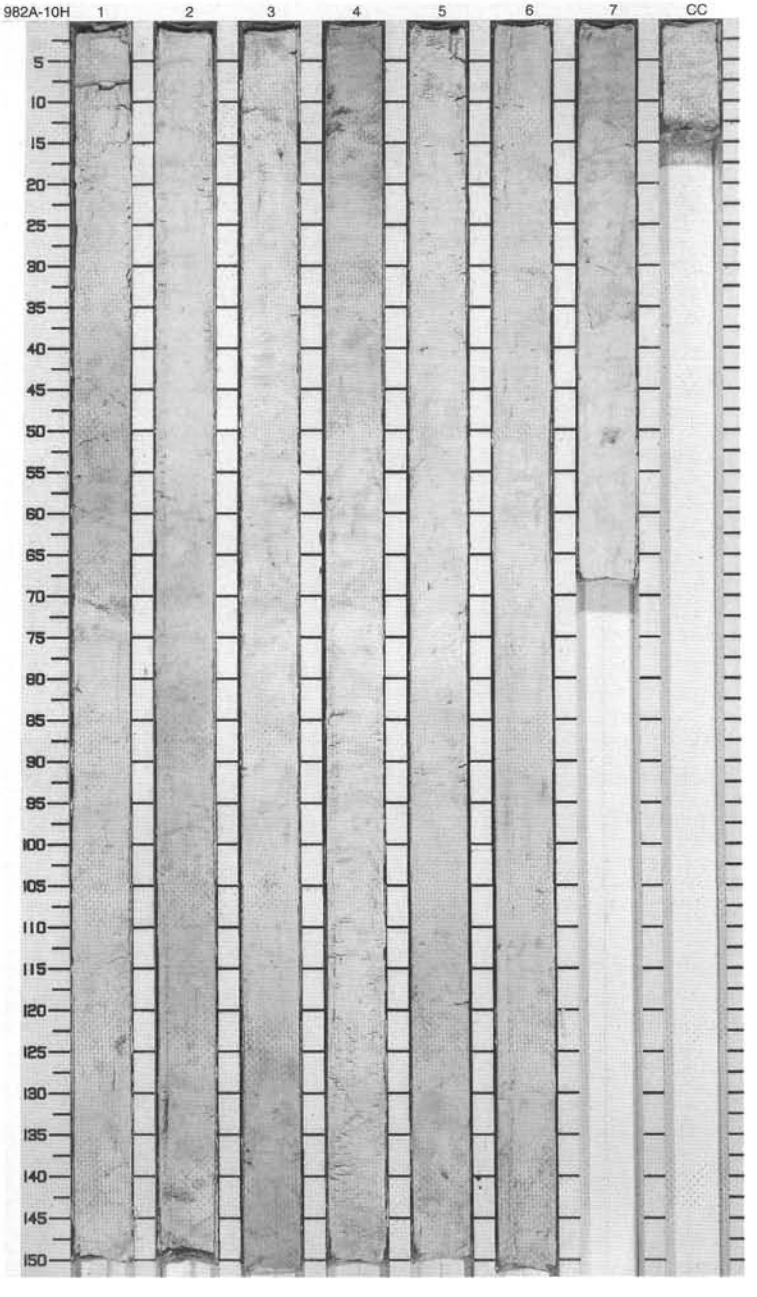
SITE 982 HOLE A CORE 9H CORED 74.7 - 84.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1	early Pliocene–late Pliocene	P			5GY 7/1	NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY General Description: This core contains light greenish gray (5GY 7/1) and light gray (5Y 7/1) NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. The sediment is moist, soft and homogeneous. Slight to moderate bioturbation occurs throughout the core, and is composed of mottled surface structure. Color changes are gradational. Disseminated pyrite was scattered at several layers. The top of the core (0–13 cm) contains soupy, very soft sediment due to the coring disturbance.
		2				S		
		3		P				
		4					5Y 7/1	
		5				I	5GY 7/1	
		6					5Y 7/1	
		CC		P	W	M	5GY 7/1	
							5Y 7/1	



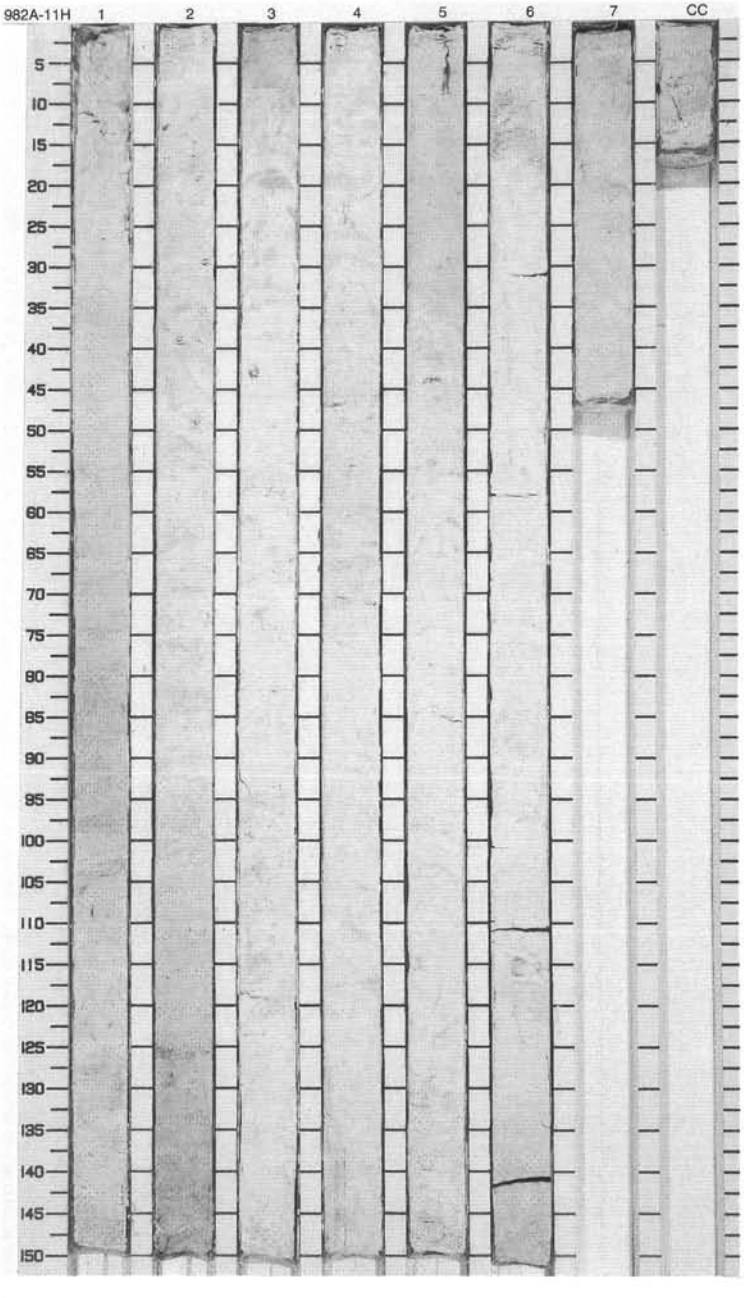
SITE 982 HOLE A CORE 10H CORED 84.2 - 93.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Pliocene	P		S	5Y 8/1 To 5Y 7/1	NANNOFOSSIL OOZE General Description: This core contains white (5Y 8/1) to light gray (5Y 7/1) NANNOFOSSIL OOZE. The sediment is homogeneous, soft and moist. Slight to moderate bioturbation occurs throughout the core. Disseminated pyrite was found at the top of the Section 3, but is generally rare. Several distinctive greenish color layers were found at Section 1, 82 cm, Section 4, 10 cm and 80 cm. No visible color change throughout the core. Small (< 1.5 cm) foraminifer-rich sand pocket was found at Section 7, 50 cm and are probably burrow fills.



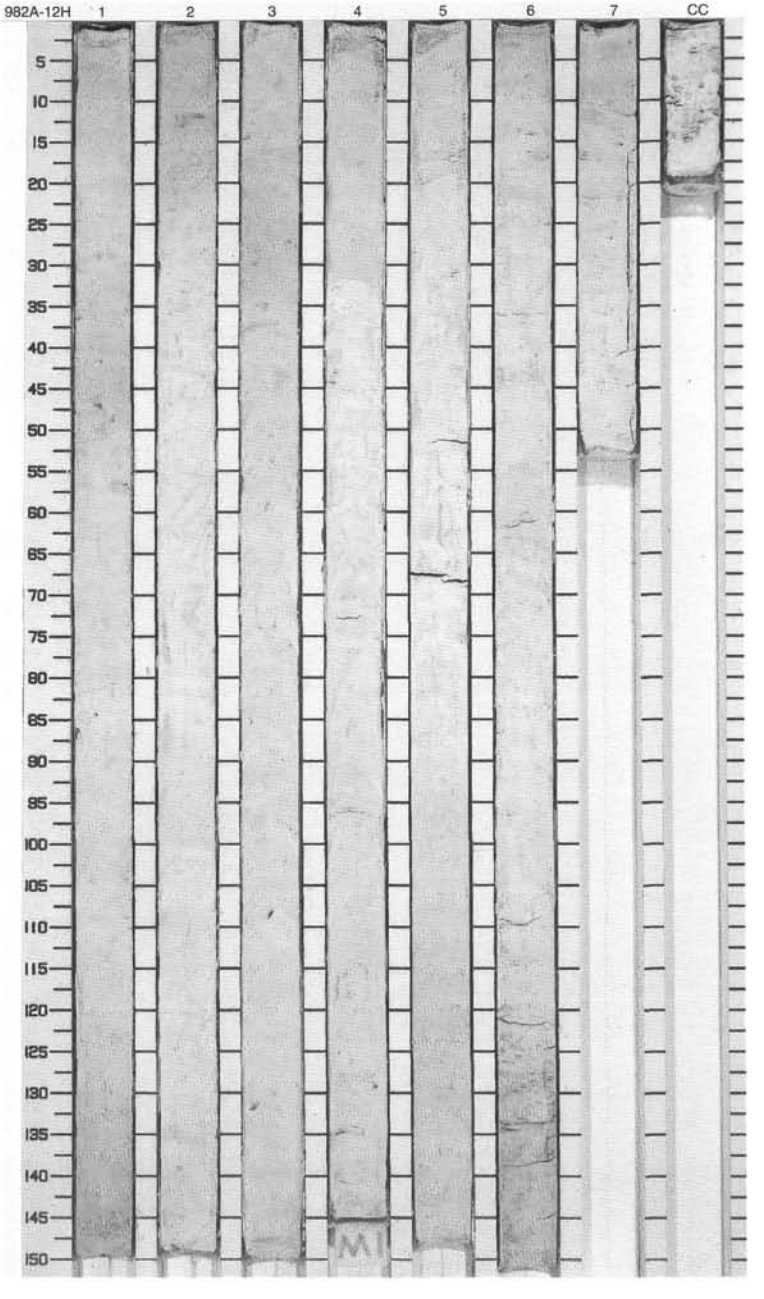
SITE 982 HOLE A CORE 11H CORED 93.7 - 103.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene		○○		10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains soft, homogeneous, light greenish gray to white (5GY 7/1 to 10Y 8/1) NANNOFOSSIL OOZE. The slight color changes are gradational, and some faint greenish and purple color bands are disposed throughout. The uppermost 15 cm of the core are soupy due to drilling procedure.
							5GY 7/1	
		2					5GY 8/1	
				P			5GY 7/1	
		3		P			10Y 8/1	
		4		P				
							5GY 8/1	
		5					5Y 8/1	
		6					10Y 8/1	
		7				M		
		CC						



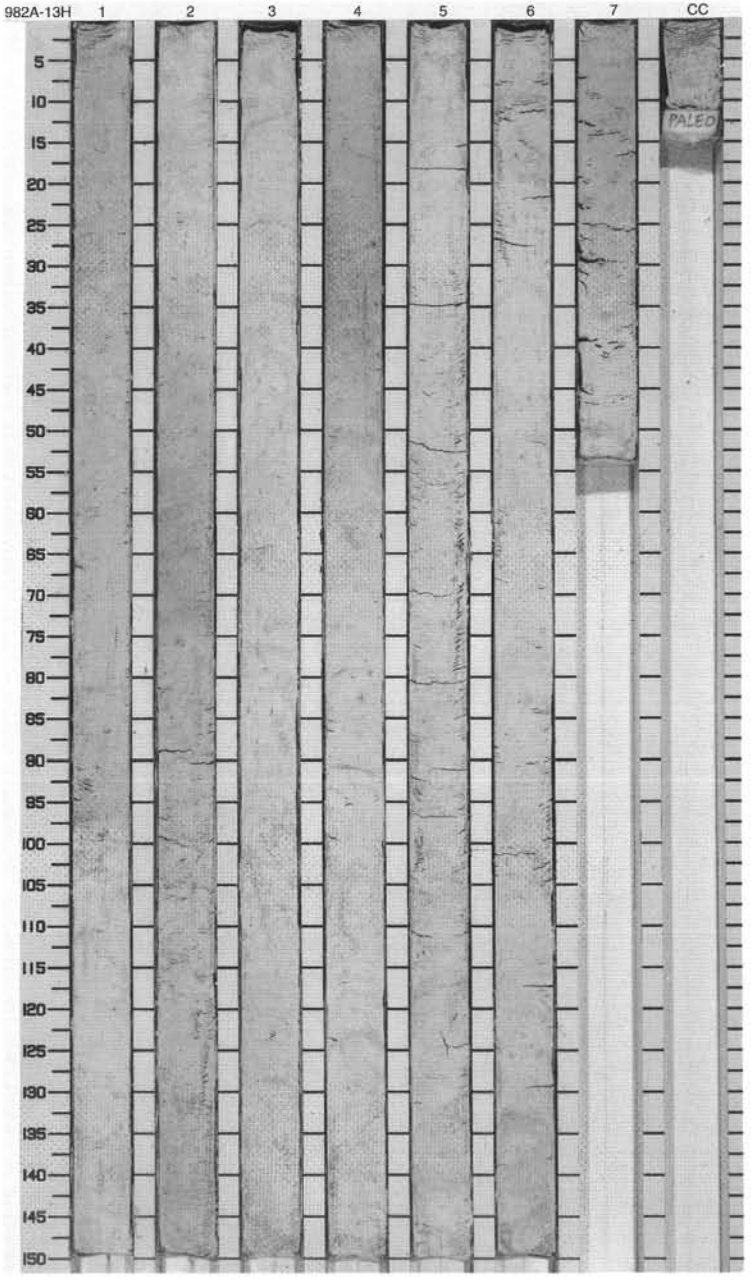
SITE 982 HOLE A CORE 12H CORED 103.2 - 112.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pliocene				5Y 8/1 To 5Y 7/1	NANNOFOSSIL OOZE General Description: This core contains white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE. The sediment is very soft, homogeneous and moist. Slight to moderate bioturbaton occurs throughout the core. Minor gradational color changes throughout. Black spots (probable disseminated pyrite) were found at several layers. The upper part of Sections 1, 2, 3, and the lower part of Sections 1 and 6 contain faint greenish color bands.
2		2						
3		3		P				
4		4		P		I		
5		5						
6		6						
7		7						
8		CC				M		
9								



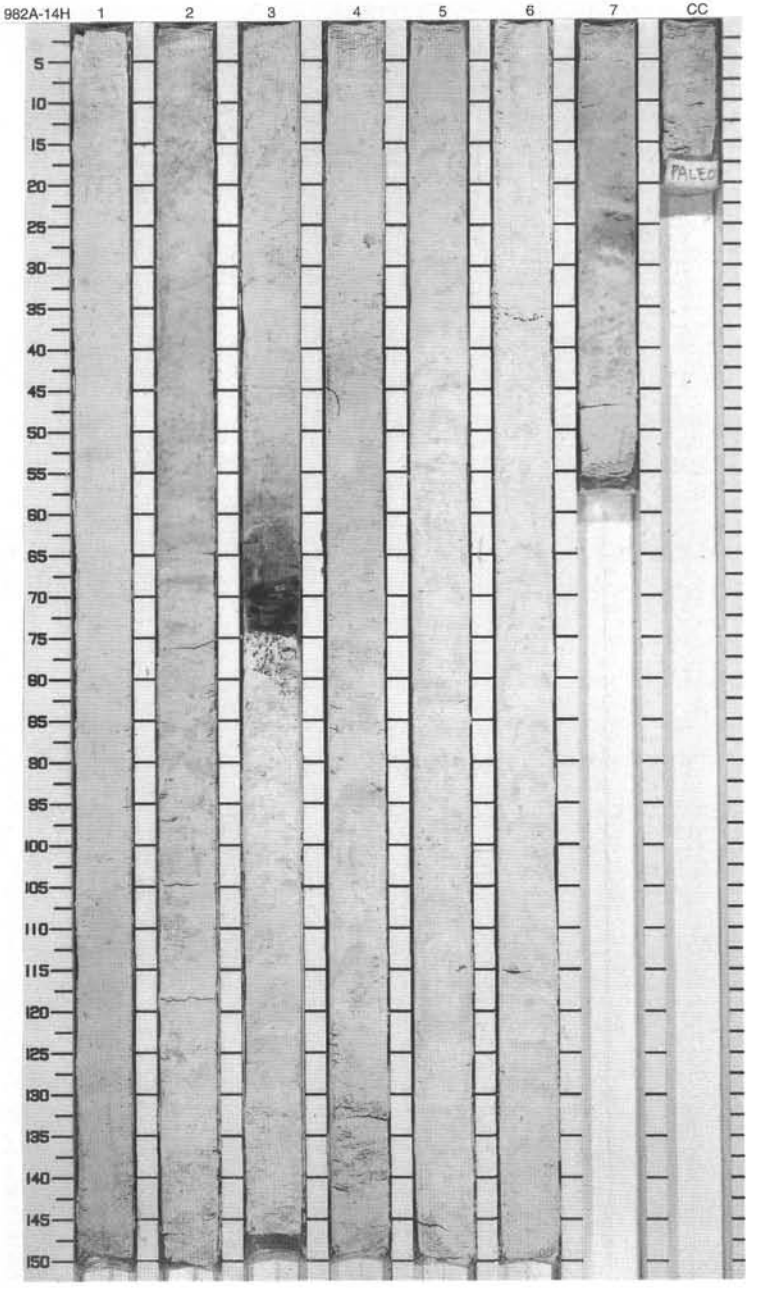
SITE 982 HOLE A CORE 13H CORED 112.7 - 122.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene				5Y 8/1	NANNOFOSSIL OOZE General Description: This core contains white (5Y 8/1) NANNOFOSSIL OOZE interbedded with light greenish gray (5GY 7/1) NANNOFOSSIL OOZE. The sediment is soft and moist except for a light greenish gray layer (5GY 7/1) which is located in Section 4, 0–50 cm which is slightly harder. Very faint greenish spots are scattered in Sections 1 and 2. Slight to moderate bioturbation, and gradational color change occurs throughout the core. Section 7 and the Core Catcher are slightly disturbed probably due to the coring disturbance.
		2						
		3				S		
		4					5GY 7/1	
		5					5Y 8/1	
		6						
		7			— — —			
		CC				M		



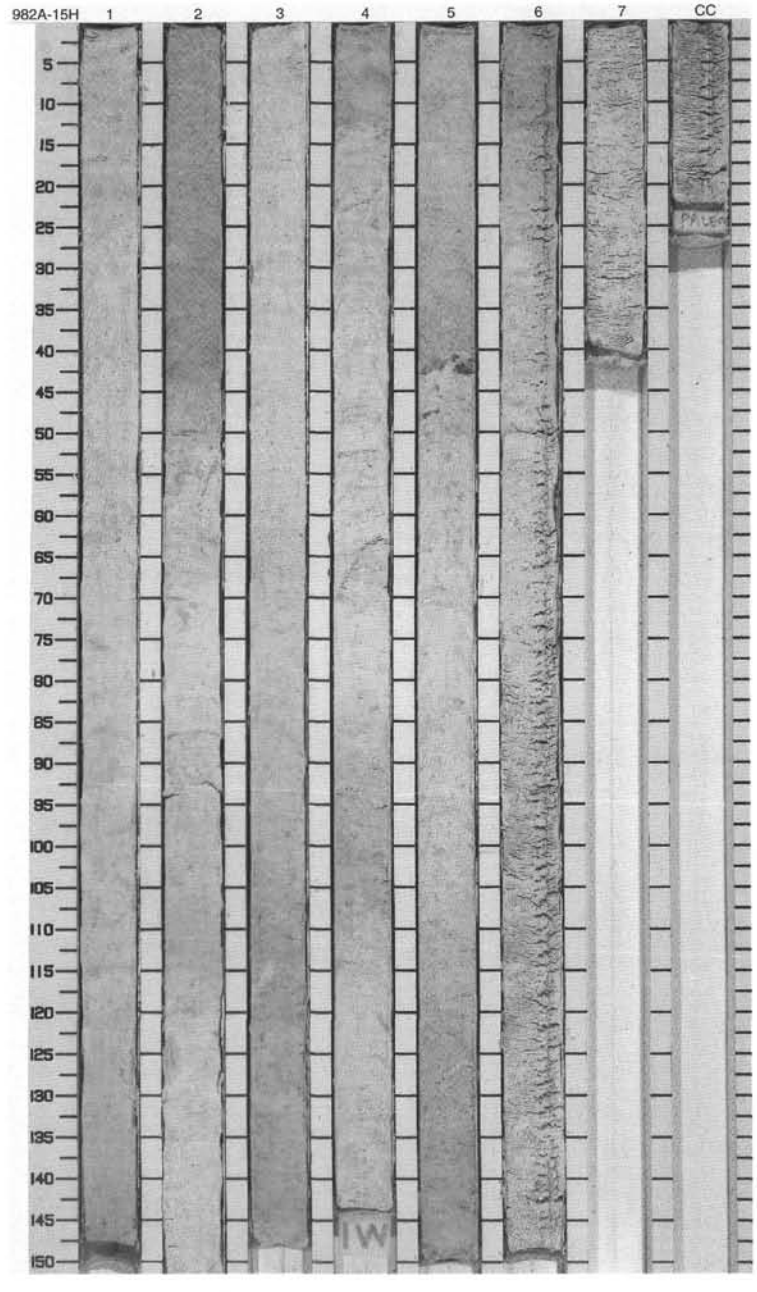
SITE 982 HOLE A CORE 14H CORED 122.2 - 131.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene				5Y 8/1	NANNOFOSSIL OOZE General Description: This core contains white (5Y 8/1) to light greenish (5GY 7/1) NANNOFOSSIL with minor dark greenish to black (5GY 4/1 to N2.5/) VOLCANIC ASH WITH CLAY in Section 3, 59–75 cm, including volcanic ashes, pyrite, and quartz. In Section 1, black spots and very faint greenish color bands were scattered throughout the section. Gradational color changes occur throughout except for Section 3. Slight to moderate bioturbation occurs throughout the core.
		2					5Y 7/1	
		3				S	5Y 8/1 To 5Y 7/1	
							N3	
							5Y 8/1	
		4				S	5Y 7/1	
		5					5Y 8/1	
		6						
		7					5GY 7/1	
		CC						



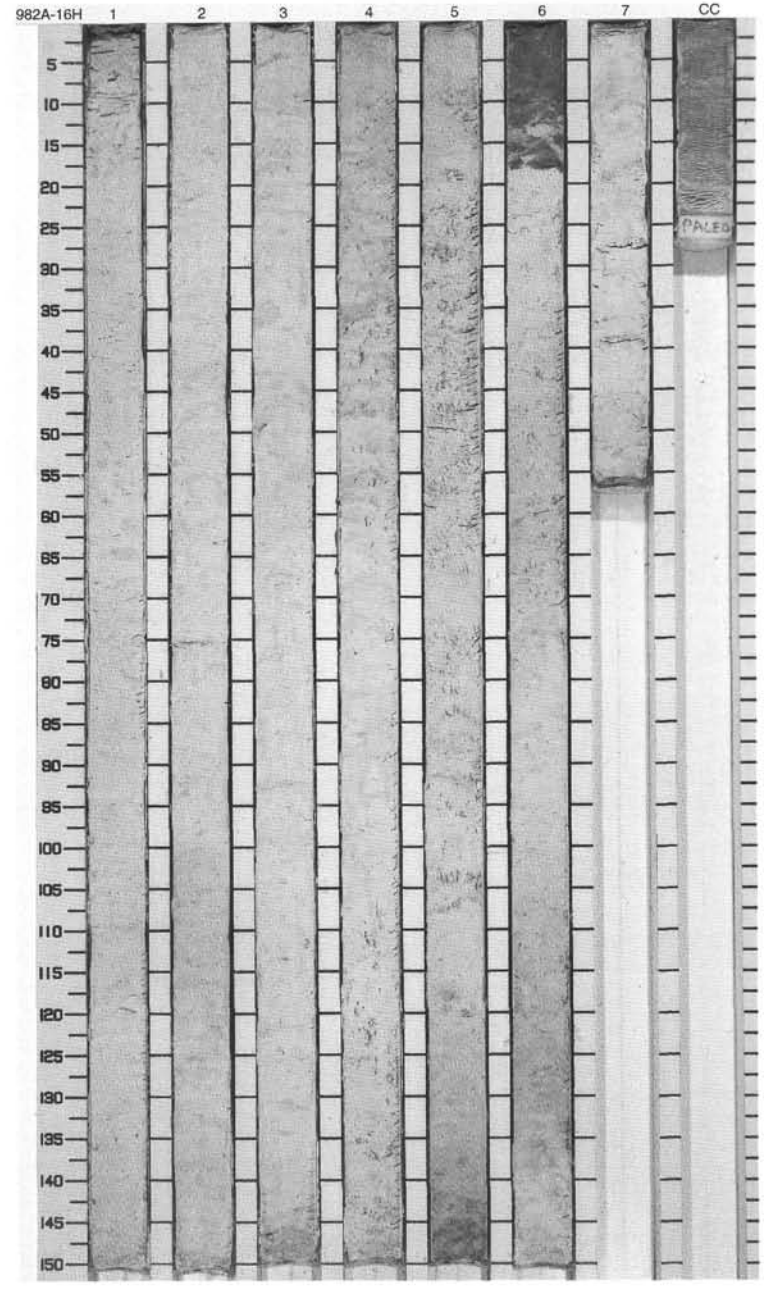
SITE 982 HOLE A CORE 15H CORED 131.7 - 141.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pliocene		W		10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains white to light greenish gray (10Y 8/1 to 5GY 6/1) NANNOFOSSIL OOZE. The sediment is very soft and moist. Slight to moderate bioturbaton occurs throughout the core. The color changes are subtle and gradational. Black spots of pyrite are sparsely disseminated throughout the core.
2		2					5GY 7/1	
3		3				S		
4		4					10Y 8/1	
5		5				I		
6		6						
7		7						
8		CC				M		



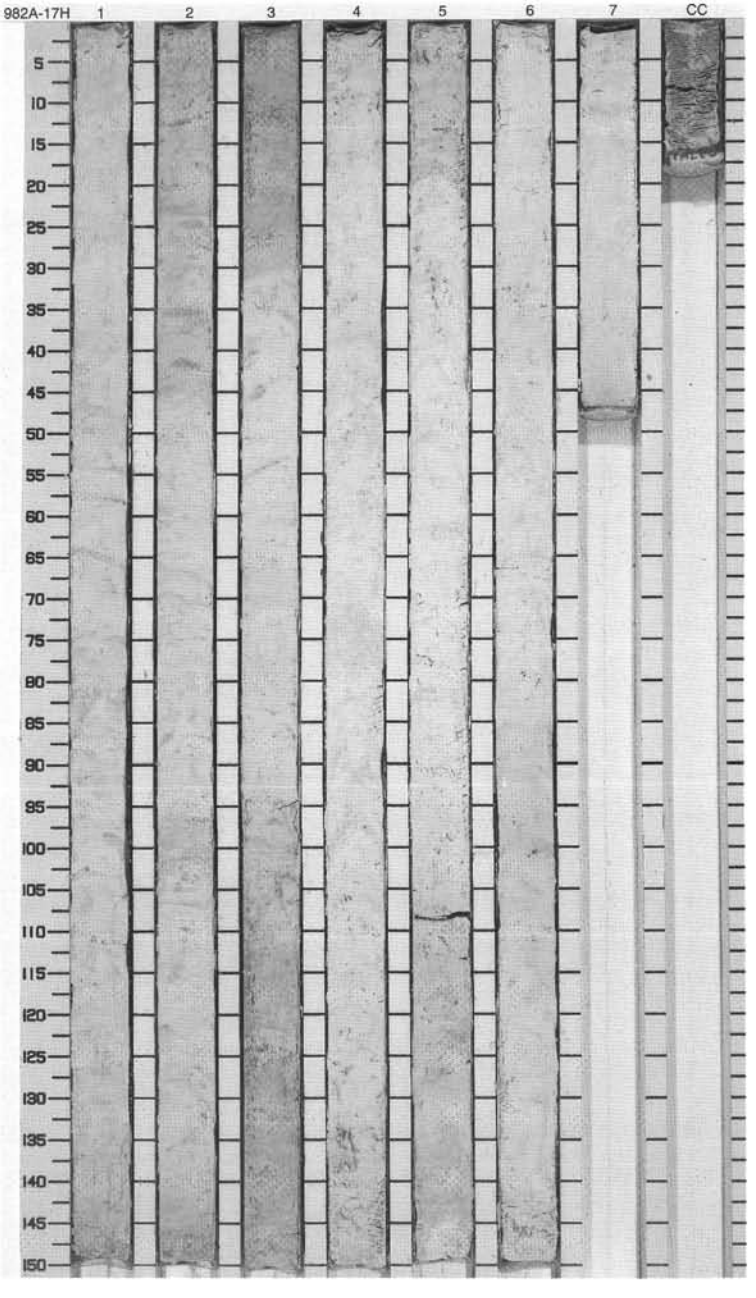
SITE 982 HOLE A CORE 16H CORED 141.2 - 150.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene	P				NANNOFOSSIL OOZE General Description: This core contains white (10Y 8/1) and light greenish gray (5GY 7/1) NANNOFOSSIL OOZE. A single layer of dark greenish gray (5GY 4/1) NANNOFOSSIL OOZE WITH VOCANIC ASH is found between 0 and 15 cm in Section 6. Sediment is firm and homogeneous. Very faint greenish color bands are dispersed throughout Sections 5 and 6. Black spots of pyrite are disseminated throughout the core.
		2				S	10Y 8/1	
		3		P				
		4					5GY 7/1	
		5					10Y 8/1	
		6		A		S	5GY 4/1	
		7					10Y 8/1	
		CC				M		



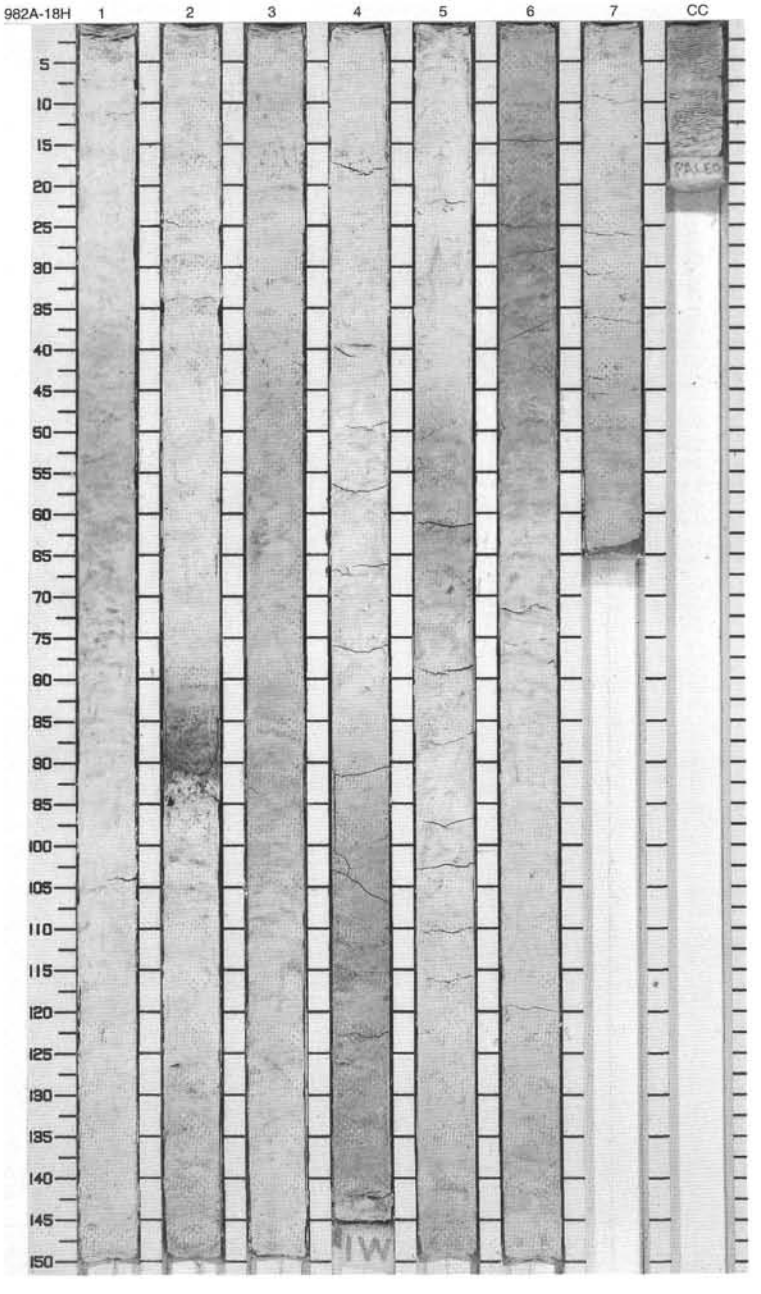
SITE 982 HOLE A CORE 17H CORED 150.7 - 160.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pliocene				10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains white (10Y 8/1) to light greenish gray (5GY 7/1) NANNOFOSSIL OOZE. Sediment is firm, homogeneous, and moist in Sections 1, 2, and 3. Greenish and purple color bands are dispersed throughout the entire core. Black points of pyrite are disseminated throughout the core. Color changes are subtle and gradational.
							5GY 7/1	
2		2					10Y 8/1	
3							5GY 7/1	
		3				S	10Y 8/1	
4							5GY 7/1	
5		4					10Y 8/1	
6							5GY 7/1	
7		5					10Y 8/1 To 5GY 7/1	
8		6					10Y 8/1	
9		7						
		CC				M		



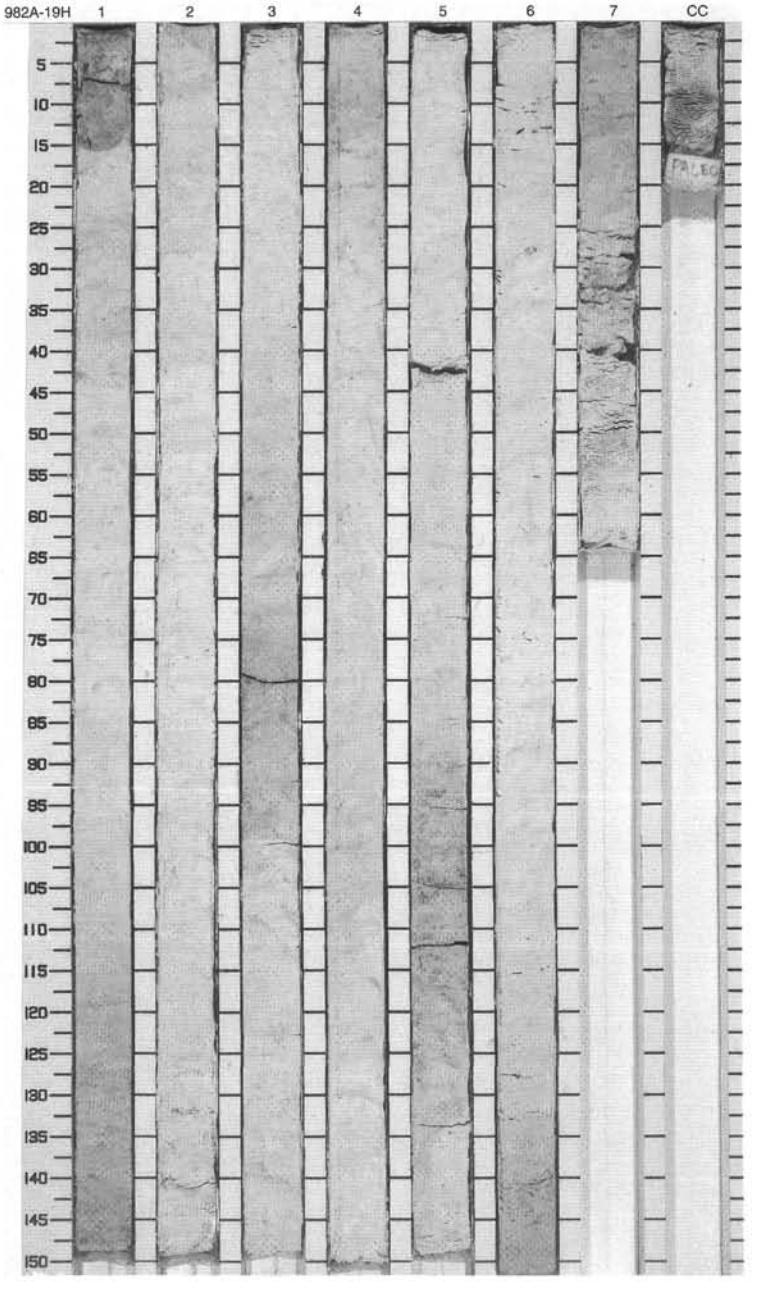
SITE 982 HOLE A CORE 18H CORED 160.2 - 169.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene–late Miocene				5Y 8/1	NANNOFOSSIL OOZE
							10Y 6/1	General Description: This core contains white (5Y 8/1) to light greenish gray (10Y 6/1) NANNOFOSSIL OOZE. A dark layer of NANNOFOSSIL OOZE WITH ASH is situated in Section 2 between 85 and 90 cm. Sediment is firm and homogeneous. Small black spots of pyrite and some greenish color bands are disseminated throughout the entire core.
						S	5Y 8/1	
		2		A		S		
							5Y 8/1	
		3		P			10Y 6/1	
		4					5Y 8/1	
				P		I	10Y 6/1	
							5Y 8/1	
		5					10Y 6/1	
							5Y 8/1	
		6				S	10Y 6/1	
		7					5Y 8/1	
		CC						



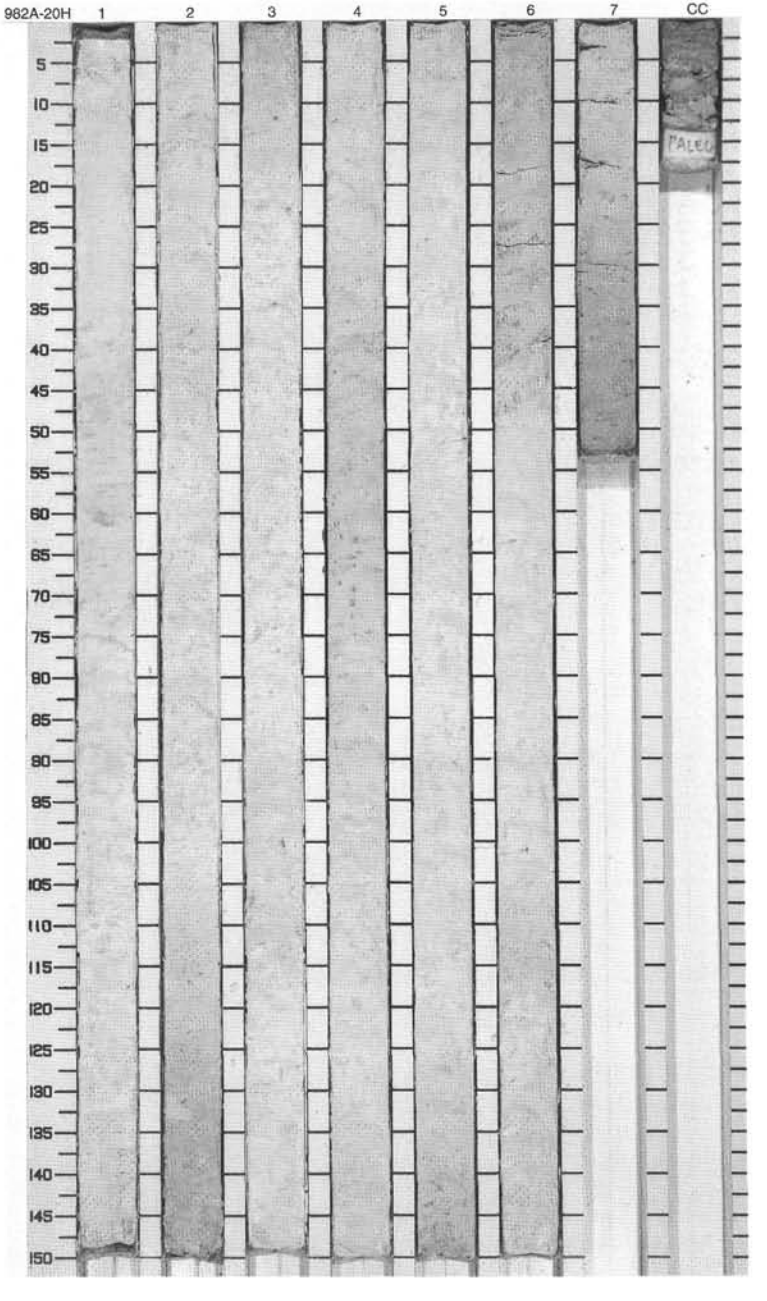
SITE 982 HOLE A CORE 19H CORED 169.7 - 179.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene				10Y 7/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (10Y 8/1) and light greenish gray (10Y 7/1) NANNOFOSSIL OOZE. Black spots of pyrite and greenish color bands are dispersed throughout the entire core. Color changes are subtle and gradational.
							10Y 8/1	
		2		P				
						S	10Y 8/1 To 10Y 7/1	
		3		P				
		4					10Y 8/1	
		5				S	10Y 7/1	
		6					10Y 8/1	
		7						
		CC				M		



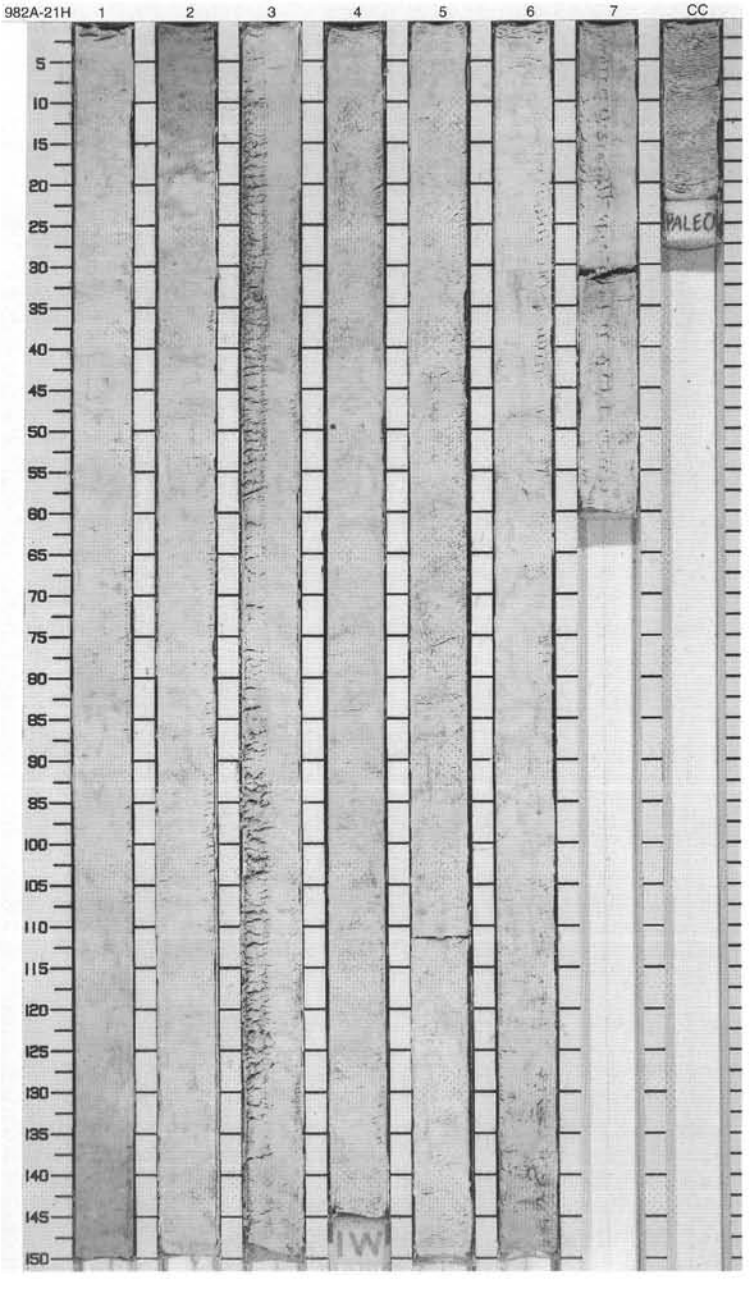
SITE 982 HOLE A CORE 20H CORED 179.2 - 188.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Miocene			S	10Y 8/1	NANNOFOSSIL OOZE
							10Y 7/1	General Description: This core contains light greenish gray (10Y 8/1) and greenish gray (10Y 7/1) NANNOFOSSIL OOZE. Black spots of pyrite are dispersed throughout the entire core. Color changes are subtle and gradational.
2		2					10Y 8/1	
3		3					10Y 7/1	
4							10Y 8/1	
5		4					10Y 7/1	
6		5					10Y 8/1	
7							10Y 7/1	
8		6					10Y 8/1	
9		7					10Y 7/1	
		CC				M		



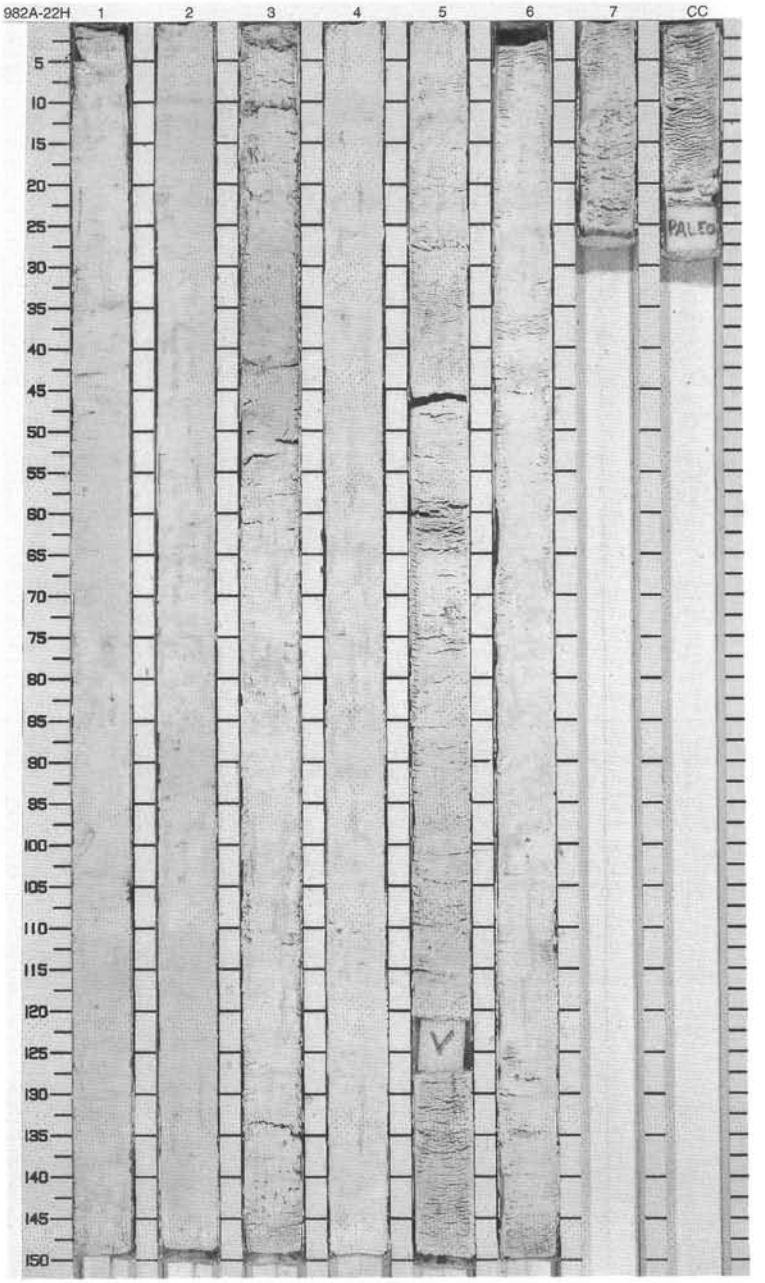
SITE 982 HOLE A CORE 21H CORED 188.7 - 198.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene		W	S, I, M	10Y 8/1; 10Y 7/1; 10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains light greenish gray (10Y 8/1) to greenish gray (10Y 7/1) NANNOFOSSIL OOZE. Color changes are subtle and gradational. Firmness varies but it's not clear if it's original or due to coring disturbance. Some sections are fairly soft, others are fairly stiff.



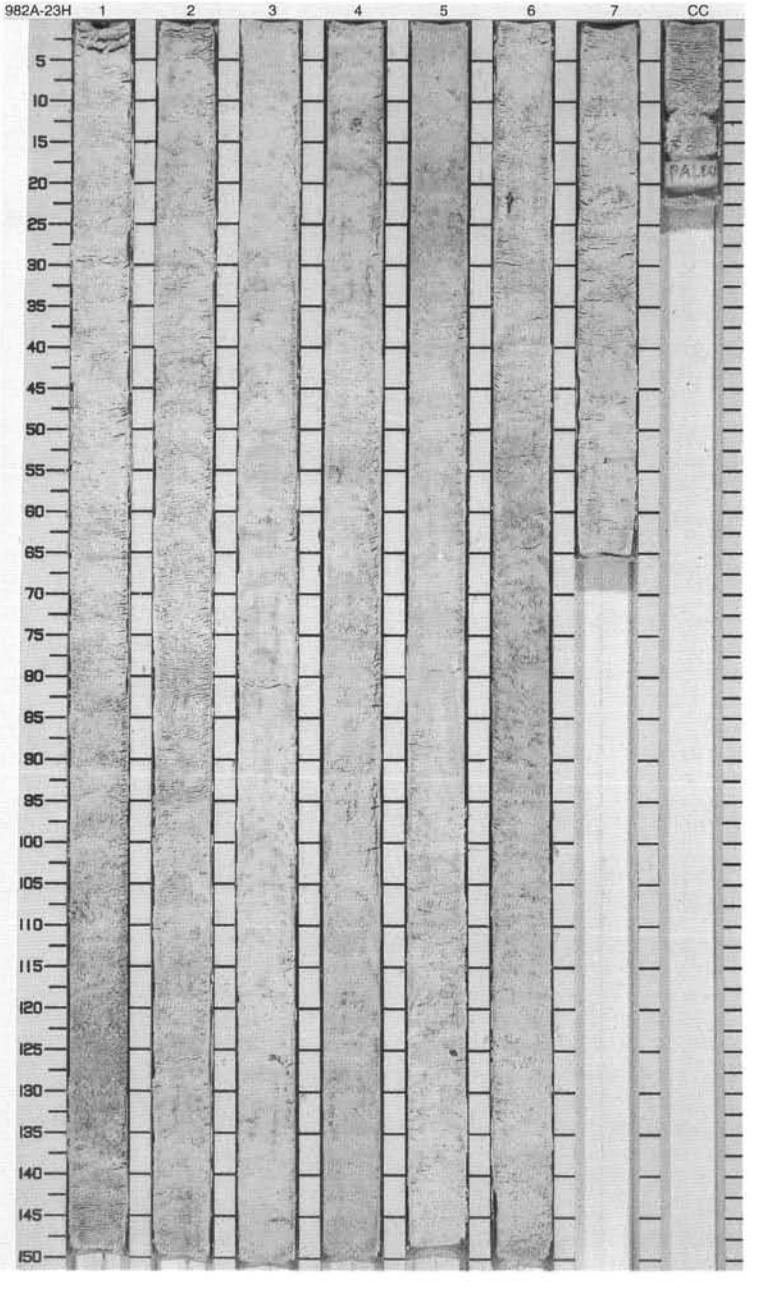
SITE 982 HOLE A CORE 22H CORED 198.2 - 207.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene	P	OO	S	10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (5GY 8/1 and 10Y 8/1) to light greenish gray (10Y 7/1) NANNOFOSSIL OOZE. Black spots of pyrite and faint greenish to purple color bands are dispersed throughout the entire core. Color changes are subtle and gradational. Core is slightly mottled and bioturbated throughout. Two 13-cm-long vertical burrows are present in Section 2, 125–138 cm. Sediment is firm but sticky. Some coring disturbance is present.
		2		P				
		3		P	W		10Y 7/1	
		4		P			5GY 8/1	
		5		P			10Y 7/1	
	Void	6		P			5GY 8/1	
		7						
		CC						



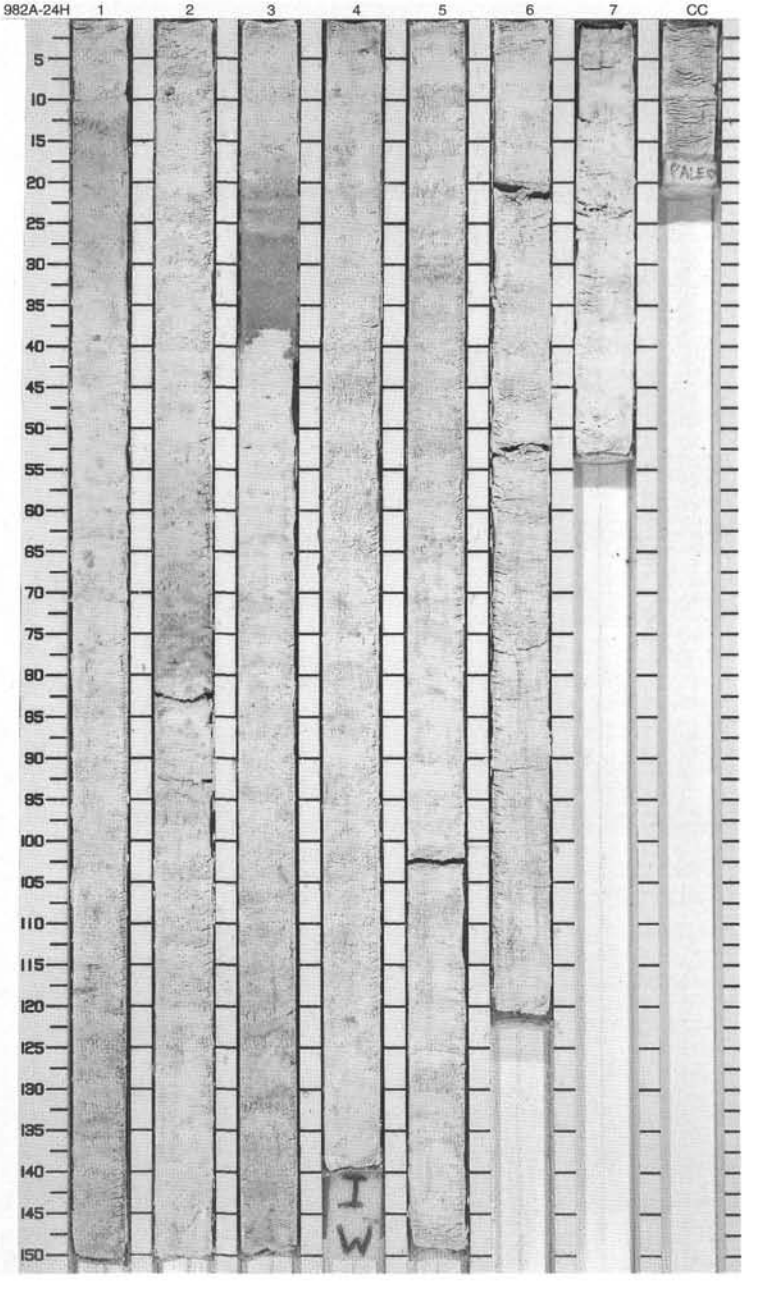
SITE 982 HOLE A CORE 23H CORED 207.7 - 217.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Miocene				10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (10Y 8/1) to light greenish gray (10Y 7/1) NANNOFOSSIL OOZE. Sediment is firm, but very sticky. Several long pyritized burrows are present: the longest is in Section 5 (3-cm-long). Other pockets of disseminated pyrite occur in less well defined burrows. Light, green and gray mottles are dispersed throughout the entire core. Some may be considered to be poorly defined color bands.
							10Y 7/1	
2		2				S		
3		3					10Y 8/1	
4				P				
5		4						
6							10Y 7/1	
7		5		P			10Y 8/1	
8		6		P			10Y 7/1	
9		7					10Y 8/1	
		CC				M		



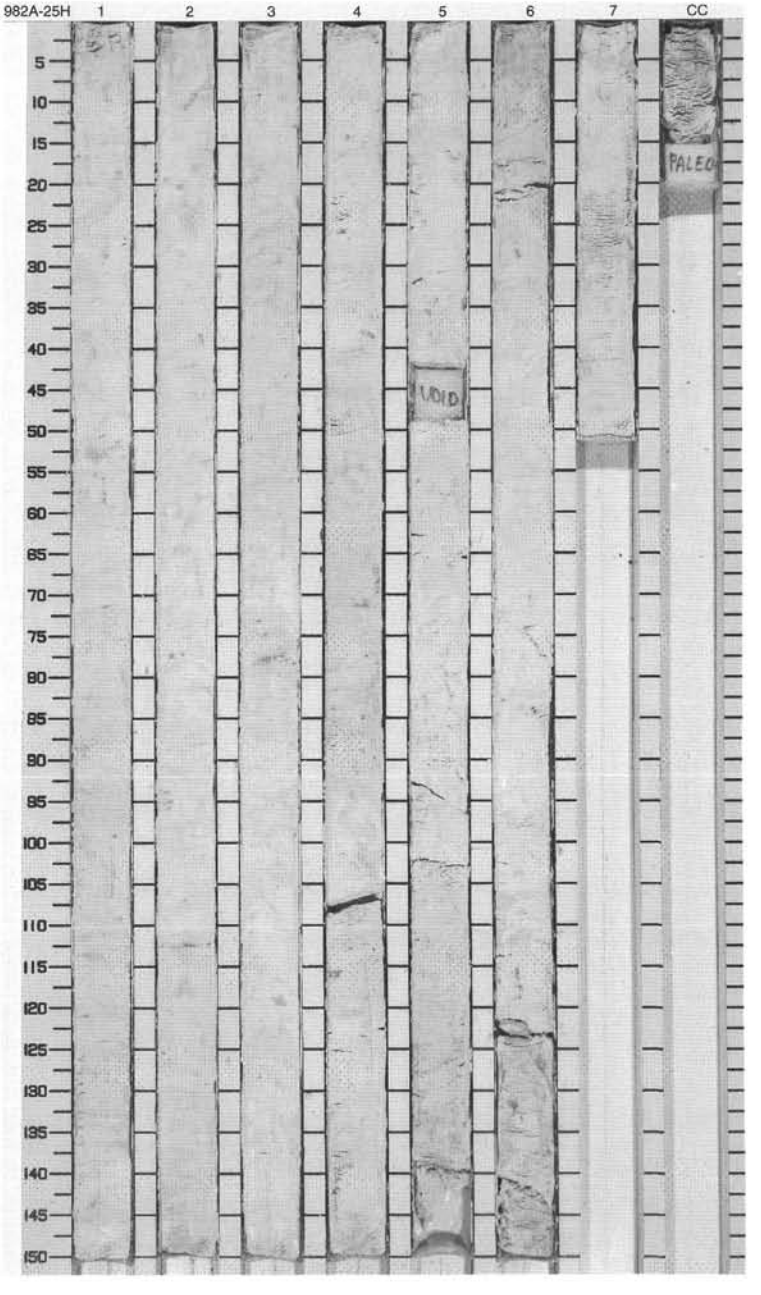
SITE 982 HOLE A CORE 24H CORED 217.2 - 226.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene				10Y 7/1	NANNOFOSSIL OOZE General Description: This core is dominated by very light greenish gray (10Y 8/1) and light greenish gray (10Y 7/1) NANNOFOSSIL OOZE. Sediment is firm but sticky. Tan, green, and dark gray color mottles are dispersed throughout the entire core, probably due to bioturbation. Some gray vertical burrow traces are more than 14 cm long, other shorter ones are pyritized. A tan burrow trace is more than 30 cm long in Section 6. A NANNOFOSSIL ASHY, CLAYEY, MIXED SEDIMENT layer is present in Section 3, 20–39 cm and a thin layer of CALCAREOUS OOZE WITH SPICULES AND CLAY occurs in Section 2, 37–38 cm.
				P				
		2				S	10Y 8/1	
		3		F		S	5GY 7/1	
		4				I		
		5					10Y 8/1	
		6						
		7						
		CC				M		



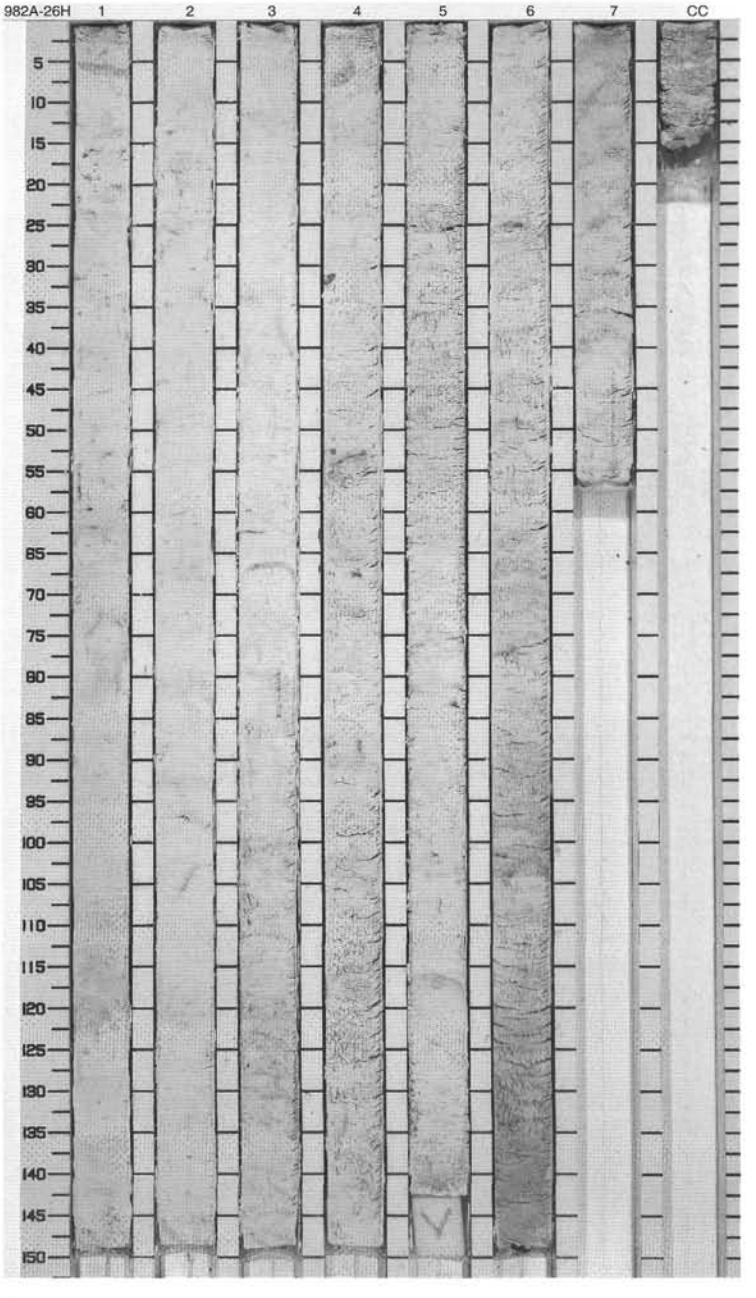
SITE 982 HOLE A CORE 25H CORED 226.7 - 236.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9	Void	1–7, CC	late Miocene	P		S, M	10Y 8/1 To 10Y 7/1; 10Y 8/1 To 10Y 7/1; 10Y 8/1; 10Y 7/1; 10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (10Y 8/1) and light greenish gray (10Y 7/1) NANNOFOSSIL OOZE. Black spots of pyrite and greenish and gray color mottles are dispersed throughout the entire core. Sediment is firm and very sticky. Some gaps occur in Sections 4 and 5.



SITE 982 HOLE A CORE 26H CORED 236.2 - 245.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9	Void	1–7, CC	late Miocene			S, M	10Y 8/1	NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY General Description: This core contains very light greenish gray (10Y 8/1) firm and sticky NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. As sediment becomes stiffer toward the base of the core, it becomes more difficult to achieve a smooth surface. Green and gray mottles occur throughout core and are especially prominent in Section 3. The gray is probably caused by burrows which have been pyritized. There are fewer tan burrows and mottles than in some of the overlying cores. Tan burrows are present in Section 3,100–150 cm.

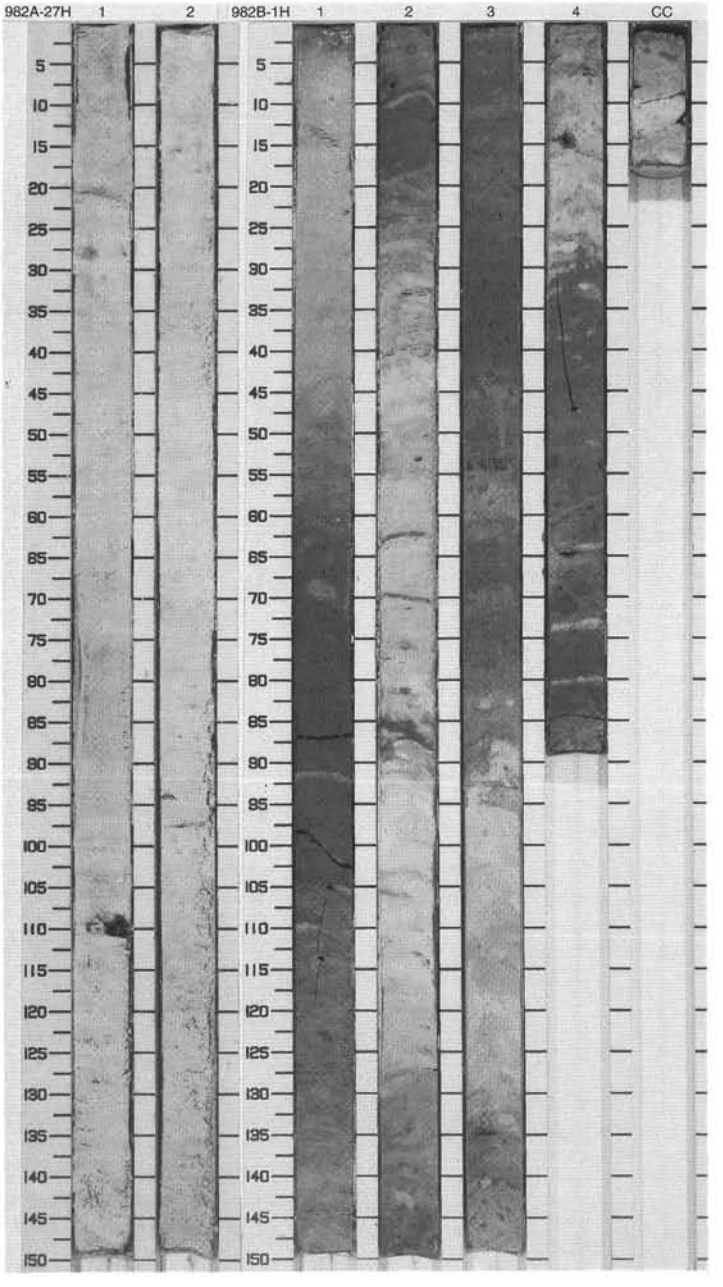


SITE 982 HOLE A CORE 27H CORED 245.7 - 248.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3		1 2	late Miocene	P P		M	10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (10Y 8/1) NANNOFOSSIL OOZE. Sediment is stiff and sticky. A long pyritized burrow is situated at 110 cm in Section 1. Some gray and very few green and tan mottles are dispersed throughout core.

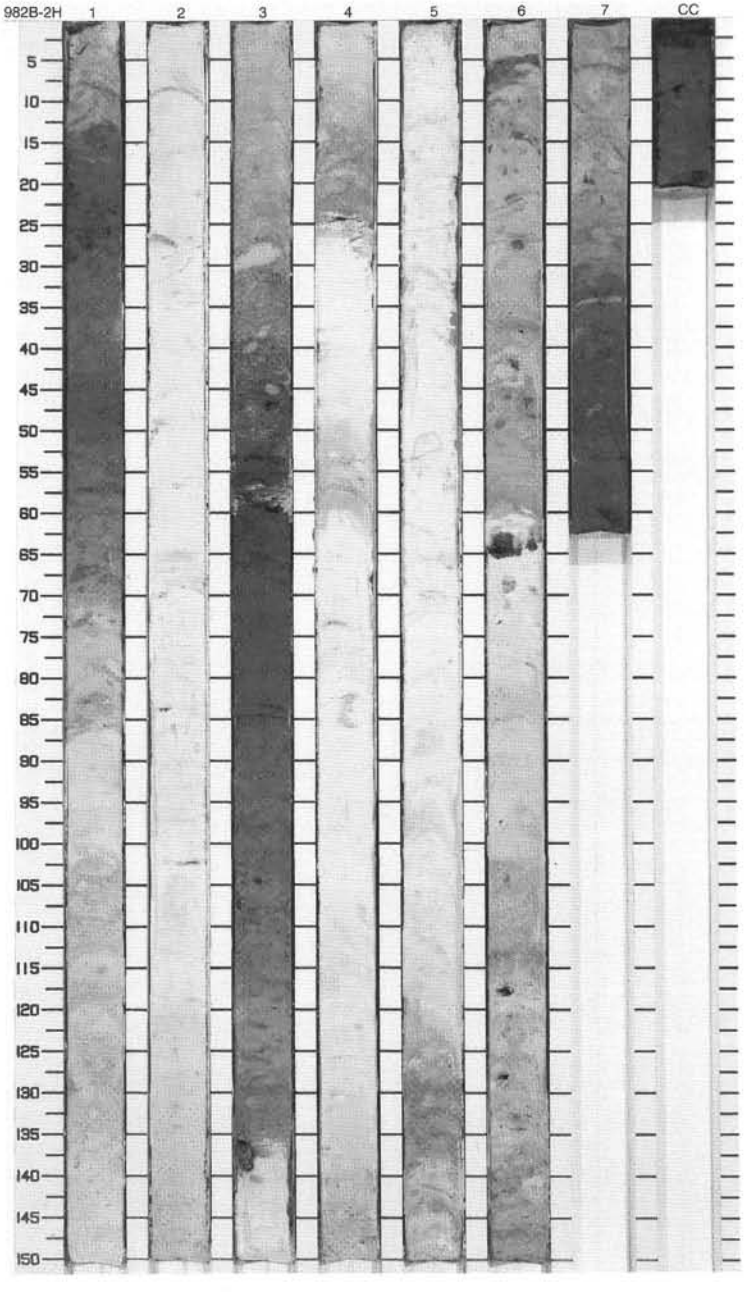
SITE 982 HOLE B CORE 1H CORED 0.0 - 5.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3 4 5		1 2 3 4 CC	Pleistocene	S S S S S 	! !	S S S S M	10Y 6/1 2.5Y 5/2 2.5Y 8/2 5Y 5/3 10Y 7/2 2.5Y 5/2	SILTY CLAY and NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains interbedded light greenish gray (10Y 6/1) to pale yellow (2.5Y 8/2) NANNOFOSSIL OOZE WITH FORAMINIFERS and grayish brown (2.5Y 5/2) to very dark gray (5Y 3/1) SILTY CLAY. The sediment is soft and moist. Color bands occur in all layers, and all color changes are mottled and/or gradational. Bioturbation is slight to moderate in all sections. The uppermost 10 cm and the Core Catcher are disturbed.



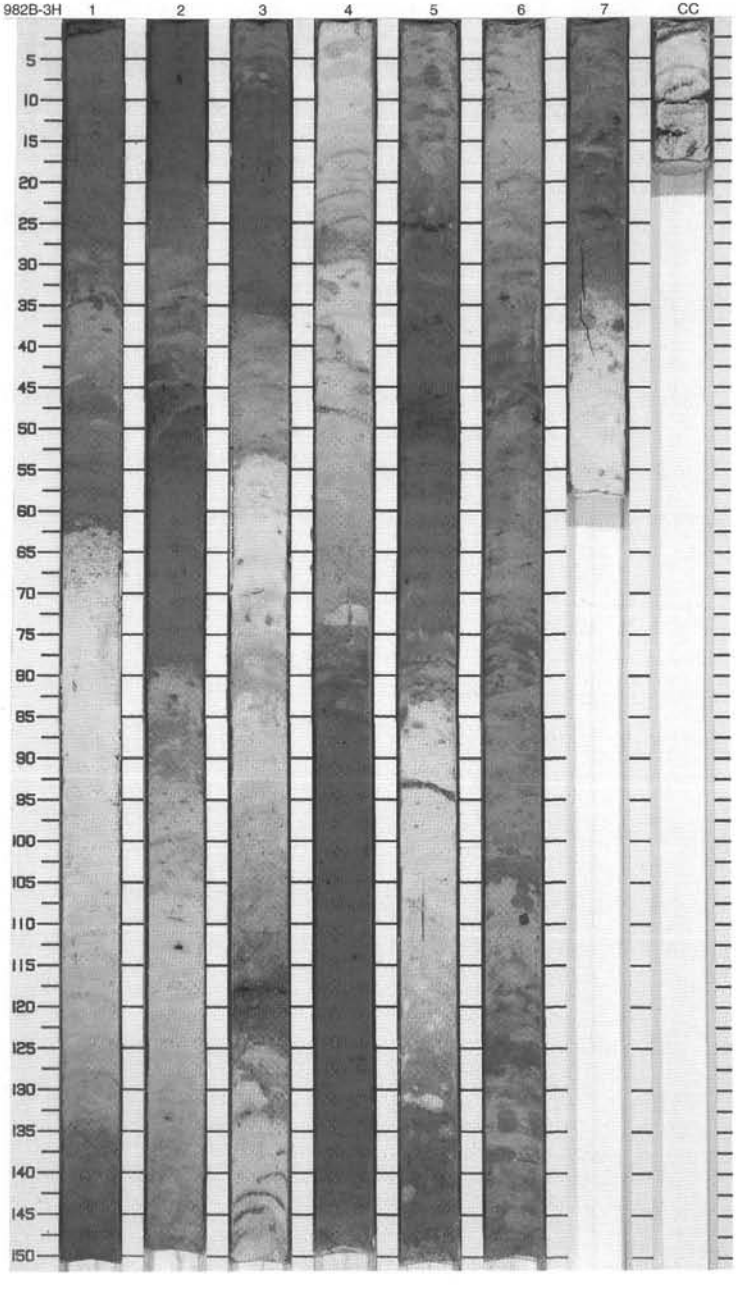
SITE 982 HOLE B CORE 2H CORED 5.5 - 15.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pleistocene				5Y 5/2	NANNOFOSSIL OOZE, NANNOFOSSIL CLAYEY MIXED SEDIMENT WITH FORAMINIFERS AND and QUARTZ
							5Y 7/1	
		2		P			5Y 8/1	General Description: This core contains soft gray to light gray (5Y 6/1 to 5Y 8/1) NANNOFOSSIL OOZE alternating with dark gray (5Y 4/1) NANNOFOSSIL CLAYEY MIXED SEDIMENT WITH FORAMINIFERS AND QUARTZ. Light *Zoophycus* burrows occur in dark sediment intervals especially in Section 3, 0–52 cm, Section 6, 95–113 cm, and in Section 7, 37–48 cm. In addition, dark burrows are present in light sediment at Section 1, 50–87 cm, and at Section 6, 5–65 cm. Light sediments have thin greenish color bands, and are slightly mottled. Pyrite is disseminated in a few of the sections. Coarse fraction increases at Section 1, 14–30 cm, and at Section 3, 38–75 cm. Foraminifer content is higher from Section 3, 137 cm to Section 4, 45 cm, at Section 4, 60–150 cm, and from Section 6, 114 cm to Section 7, 30 cm. Dropstones occur in Section 3, 135–138 cm (light grayish shist), and in CC, 18–19 cm (angular basalt).
		3		P		S	5Y 4/1	
							5Y 6/1	
		4					5Y 6/1 To 5Y 8/1	
		5				S		
							5Y 6/1	
		6		P			5Y 7/1	
		7		P			5Y 4/1	
		CC				M		



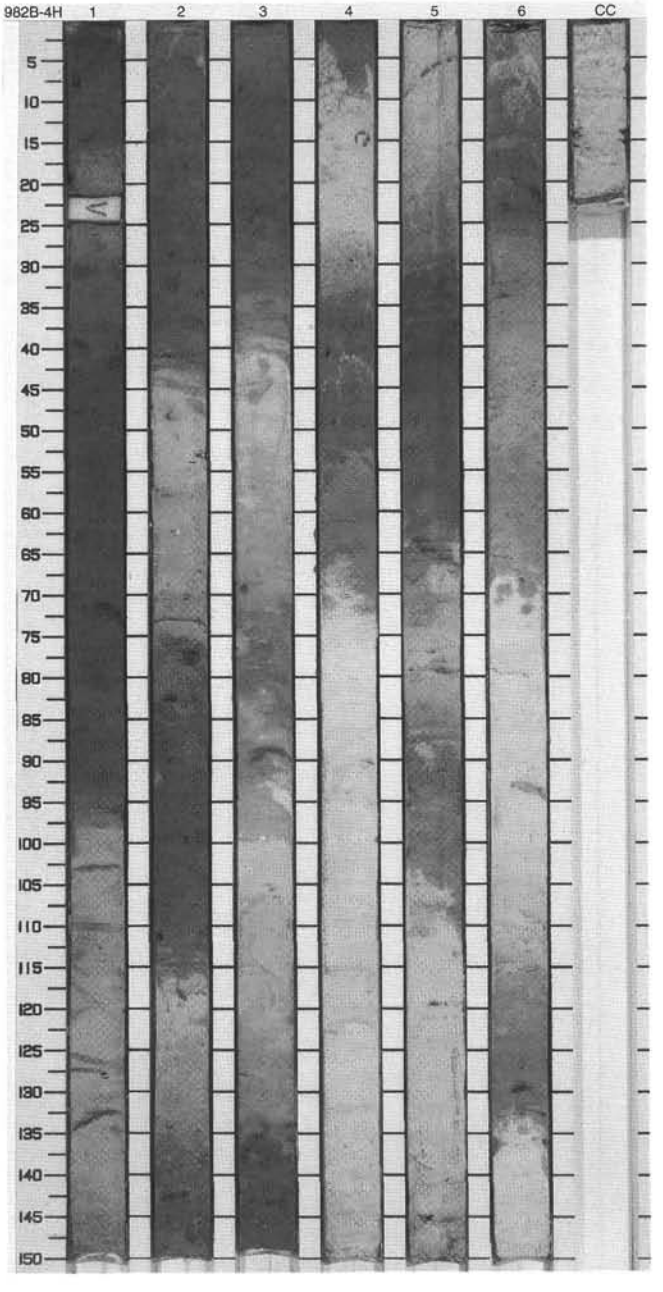
SITE 982 HOLE B CORE 3H CORED 15.0 - 24.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pleistocene	P		S	5Y 4/1	SILTY CLAY WITH NANNOFOSSILS, NANNOFOSSIL OOZE WITH FORAMINIFERS and CLAYEY SILTY NANNOFOSSIL MIXED SEDIMENT General Description: This core contains white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE WITH FORAMINIFERS alternating with dark gray to light gray (5Y 4/1 to 5Y 7/1) SILTY CLAY WITH NANNOFOSSILS and CLAYEY SILTY NANNOFOSSIL MIXED SEDIMENT. The core shows intense color changes, but is dominanted by dark gray to gray colors. The white to light gray layers of Sections 1 and 2 contain very faint greenish colors. Slight to strong bioturbation, pyrite concretions, and disseminated pyrite are present throughout the core. A multiple layer at Section 5, 50–70 cm consists of light olive brown sediment and a black-colored band, underlain by a foraminifer-rich silty sand layers.
							5Y 5/1	
							5Y 8/1	
		2		(P)			5Y 4/1 To 2.5Y 6/2	
							5Y 7/1	
		3		(P)			5Y 4/1	
				P		S	5Y 7/1	
		4					5Y 4/1 To 5Y 5/1	
		5		(P)			5Y 7/1	
							5Y 6/1 To 5Y 5/1	
		6		(P)			5GY 6/1	
		7		(P)			5Y 6/1	
		CC				M	5Y 8/1	



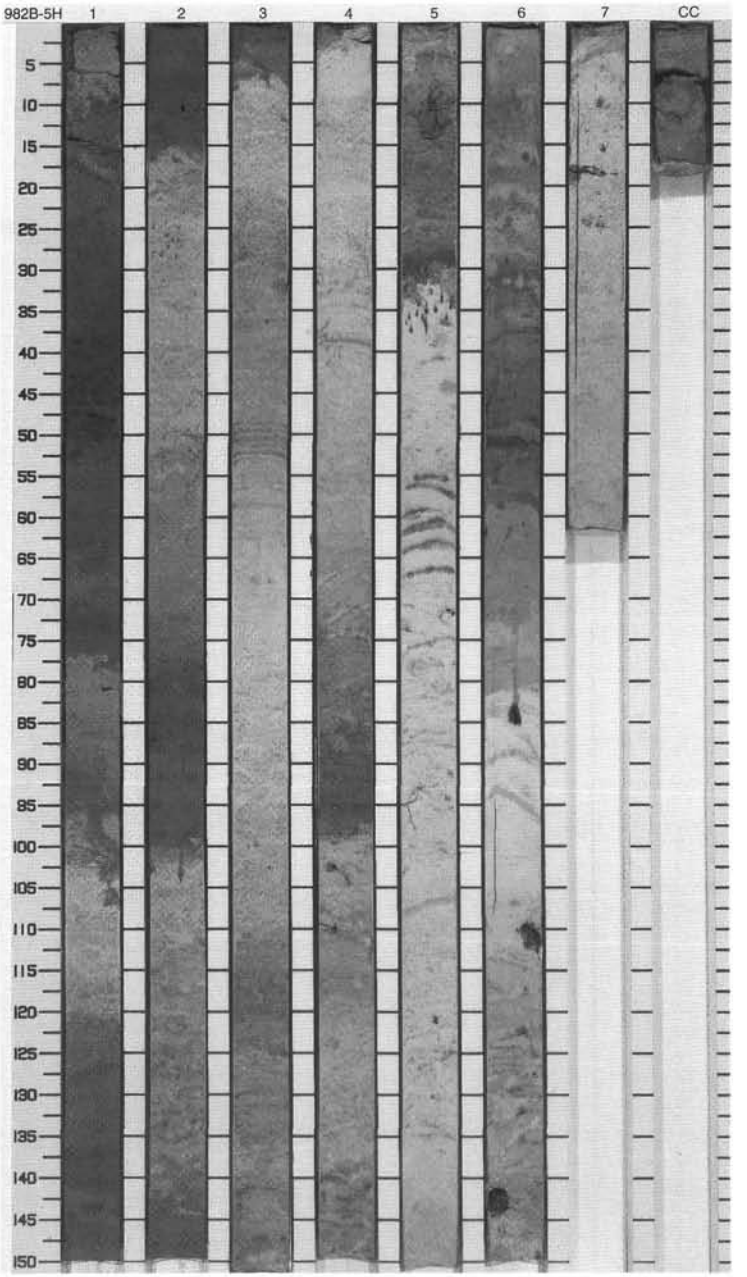
SITE 982 HOLE B CORE 4H CORED 24.5 - 34.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–6, CC	Pliocene–Pleistocene ??	P, P, P, P, P, P, P		S, S, S, M	5Y 4/1; 10Y 7/1 To 10Y 5/1; 5Y 5/1; 5Y 7/1; 5Y 5/1; 5GY 7/1; 5Y 5/1; 5GY 8/1; 10Y 5/1; 10Y 8/1; 10Y 6/1; 10Y 8/1; 5Y 8/1	SILTY CLAY WITH NANNOFOSSILS, NANNOFOSSIL OOZE WITH FORAMINIFERS and CLAYEY SILTY NANNOFOSSIL MIXED SEDIMENT General Description: This core contains of very light greenish gray to light greenish gray (5GY 8/1 to 5GY 7/1) and light gray to white (10Y 7/1 to 10Y 8/1 or 5Y 8/1) NANNOFOSSIL OOZE WITH FORAMINIFERS alternating with dark gray to light gray (5Y 4/1 to 5Y 7/1) CLAYEY SILTY NANNOFOSSIL MIXED SEDIMENT and dark gray to gray (5Y 4/1 to 5Y 5/1) SILTY CLAY WITH NANNOFOSSILS. Most of the color changes are gradational, and color sequences are repeated. A thick light gray (5Y 7/1) band at Section 4, 5–30 cm occurs within the dark gray (5Y 5/1) interval from Section 3, 134 cm to Section 4, 70 cm. In addition, gray layers occur within some light intervals. Section 4 consists of a series of greenish color bands. Dark pyritized color bands are present at Section 1, 38–42 cm, and at Section 6, 20–25 cm. Some disseminated pyrite occurs throughout the core. The contents of foraminifers increases at Section 1, 16–35 cm, and 90–120 cm, from Section 1, 140 cm to Section 2, 17 cm, at Section 2, 44–74 cm, Section 3, 105–130 cm, and from Section 6, 145 cm to the base of the core. Coarse fraction increases at Section 1, 40–80 cm, Section 2, 84–113 cm, Section 3, 10–25 cm and 135–145 cm, Section 4, 33–41 cm, and at Section 6, 10–22 cm.



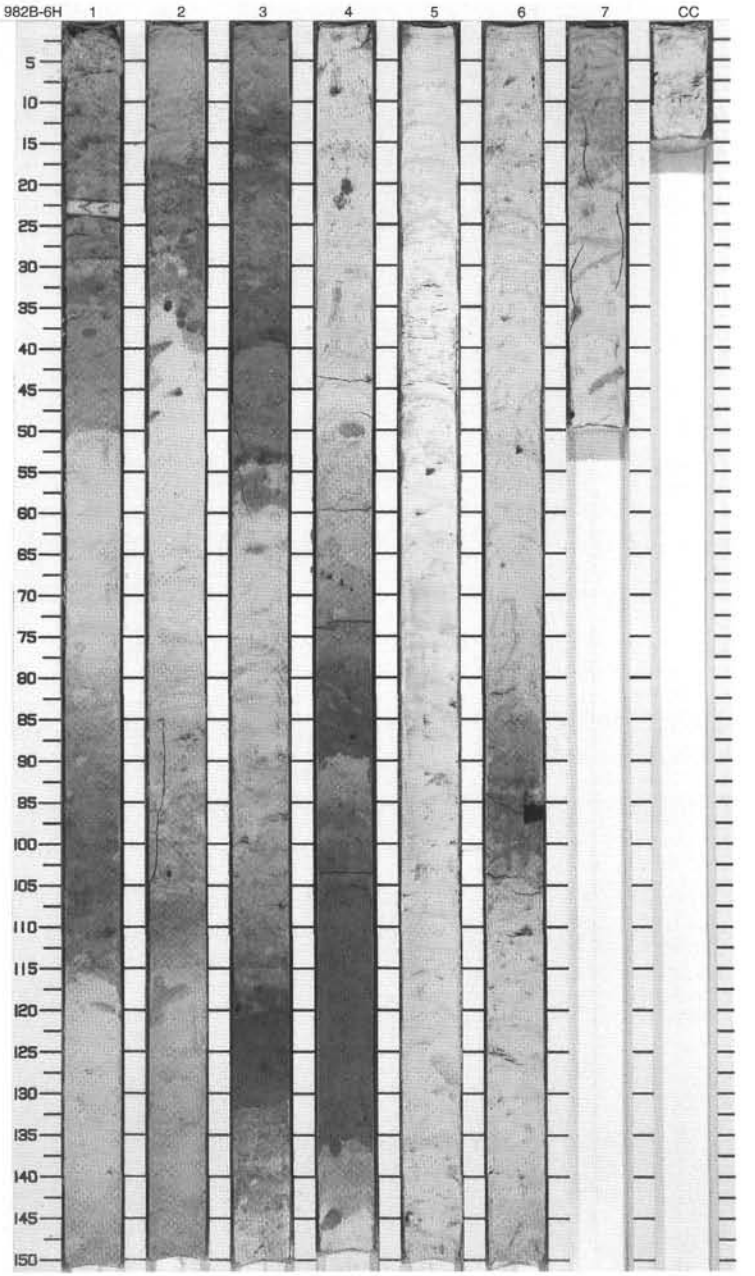
SITE 982 HOLE B CORE 5H CORED 34.0 - 43.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene		!		10Y 4/1	CLAYEY NANNOFOSSIL MIXED SEDIMENT and NANNOFOSSIL OOZE WITH CLAY AND FORAMINIFERS
							5Y 5/1	
							5Y 7/1	
							5Y 5/1	General Description: This core contains light gray (5Y 7/1) NANNOFOSSIL OOZE WITH CLAY AND FORAMINIFERS interbedded with gray to dark greenish gray (5Y 5/1 to 10Y 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT. The sediment is soft and moist throughout. Sharp color contacts occur in Sections 1, 2, and 5. All other color changes are *gradational. Green color bands occur* in Sections 3, 4, and 5 varying from sharp bands to subtle coloration. Pyrite and other sulfides occur in nodules, layers, and disseminated throughout the core.
							5Y 7/1	
		2				S	5Y 5/1	
							5Y 7/1	
		3		P	I			
					I			
		4		P	I	S	5Y 5/1	
					I			
				P			5Y 7/1	
		5		P		S		
							5Y 5/1	
		6			I			
					I			
							5Y 7/1	
		7						
		CC				M		



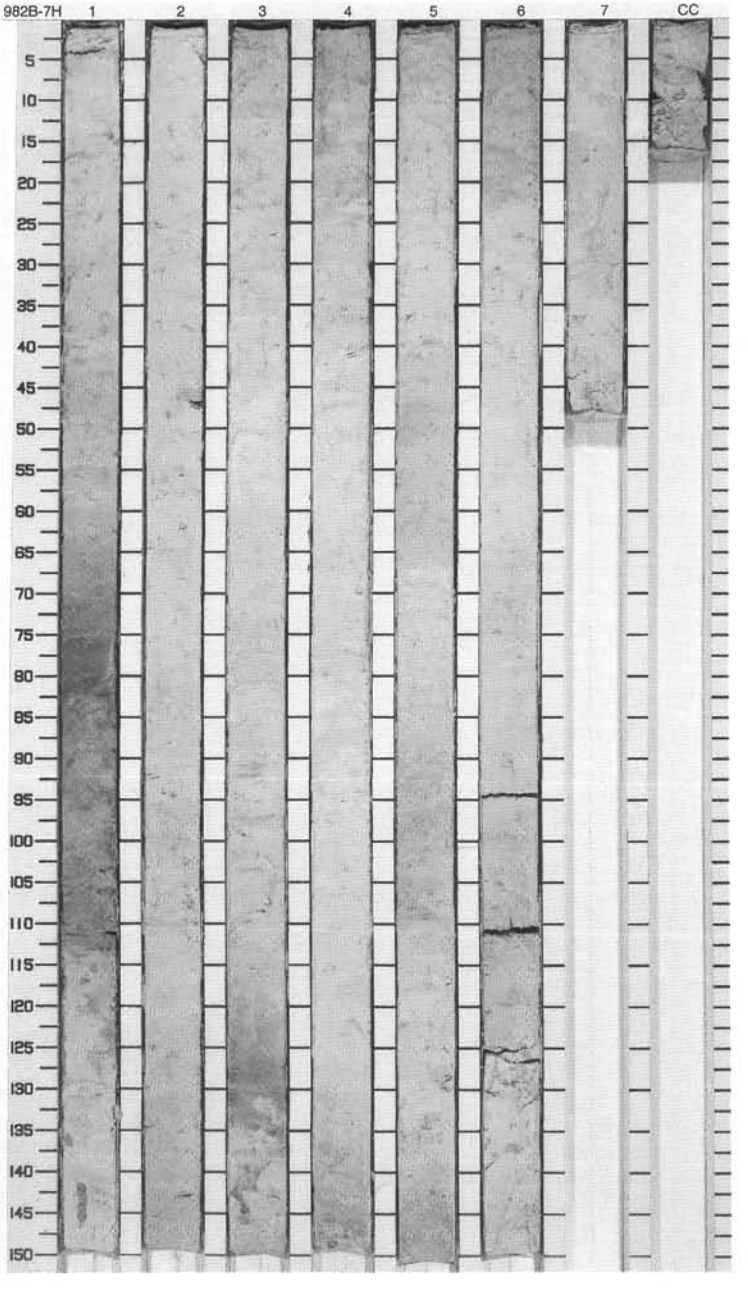
SITE 982 HOLE B CORE 6H CORED 43.5 - 53.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene				5GY 7/1 To 5Y 8/1	CLAY WITH NANNOFOSSILS, NANNOFOSSIL OOZE and SILTY CLAY WITH NANNOFOSSILS General Description: This core contains light greenish gray (5GY 7/1) and gray to light gray (5Y 5/1 to 5Y 7/1) CLAY WITH NANNOFOSSILS alternating with greenish gray (5GY 6/1) and gray to white (5Y 6/1 to 5Y 8/1) NANNOFOSSIL OOZE and dark gray to light gray (5Y 4/1 to 5Y 7/1) SILTY CLAY WITH NANNOFOSSILS. Many color changes are present and the core consists of repeated color sequences. A very dark to dark gray (5Y 3/1 to 4/1) horizon occurs at Section 3, 117–132 cm. In addition, the dark gray interval of Section 4, 68–138 cm contains a thin blackish band. Foraminifer-rich pods were found at several layers. The core is slightly bioturbated throughout. Disseminated pyrite and pyrite concretions are present throughout the core. This core is void at Section 1, 22–24 cm.
							5Y 5/1	
							5Y 7/1	
							5GY 6/1	
		2		P			5Y 6/1 To 5Y 8/1	
		3		P				
		4		P		S	5Y 7/1 To 5Y 8/1	
							5Y 4/1	
		5		P		S	5Y 8/1	
		6		P				
							5Y 5/1	
		7		P		M	5Y 7/1	
		CC						



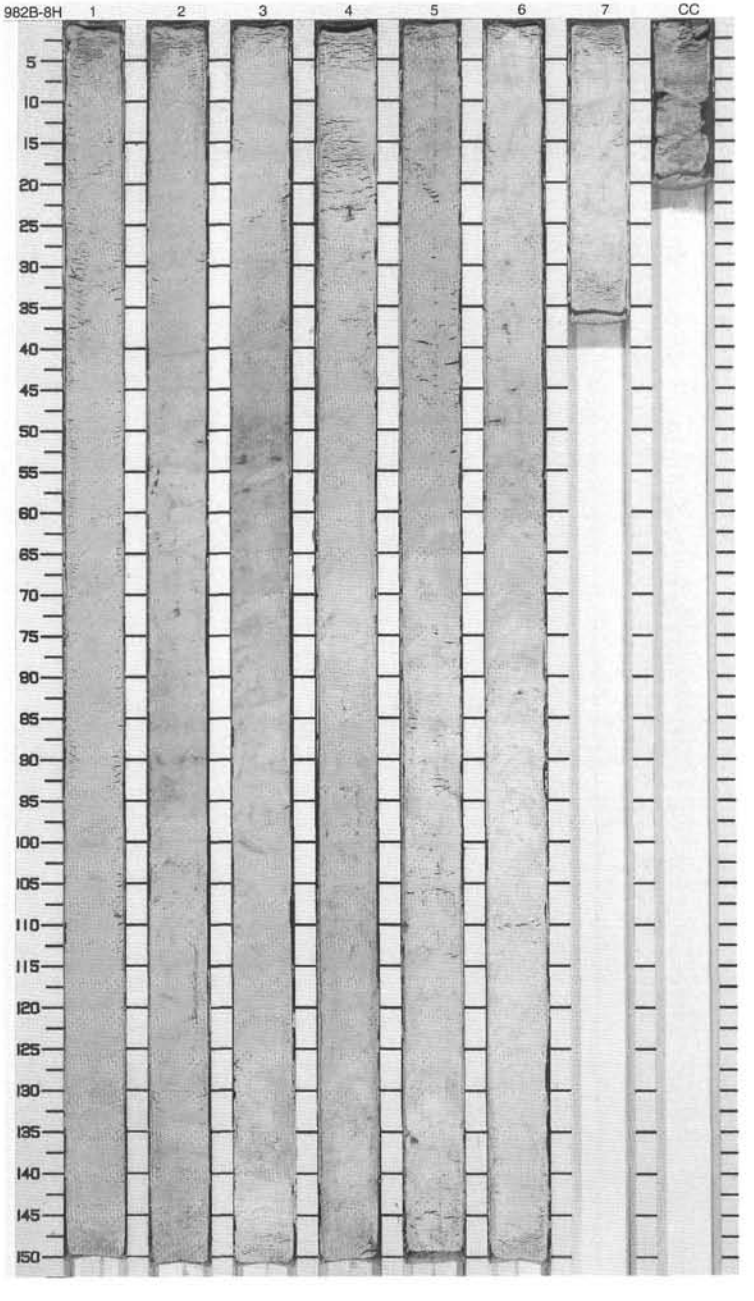
SITE 982 HOLE B CORE 7H CORED 53.0 - 62.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene			S	5Y 8/1	NANNOFOSSIL OOZE WITH FORAMINIFERS AND SPONGE SPICULES and NANNOFOSSIL OOZE WITH SPONGE SPICULES, SILTY CLAY AND FORAMS
							5Y 6/1	
		2					10Y 8/1	General Description: This core contains of firm, homogeneous, light greenish gray to white (10Y 7/1 to 10Y 8/1) NANNOFOSSIL OOZE WITH FORAMINIFERS AND SPONGE SPICULES alternating with gray (5Y 6/1) and light greenish gray (10Y 6/1) NANNOFOSSIL OOZE WITH SPONGE SPICULES, SILTY CLAY AND FORAMINIFERS. The core is slightly mottled throughout. Slight color changes occur gradational, and faint greenish and purple color bands are present throughout the core. A burrow filled by sponges spicules is present at Section 3, 141–146 cm. Coarse fraction increases at Section 1, 45–113 cm, and at Section 3, 120–136 cm.
		3				S	10Y 6/1	
							5Y 7/1	
		4				S	7.5GY 8/1	
		5		P			7.5GY 8/1 To 10Y 8/1	
							10Y 8/1	
		6					5GY 7/1	
							10Y 8/1	
							5GY 7/1	
		7				M	10Y 8/1	
		CC						



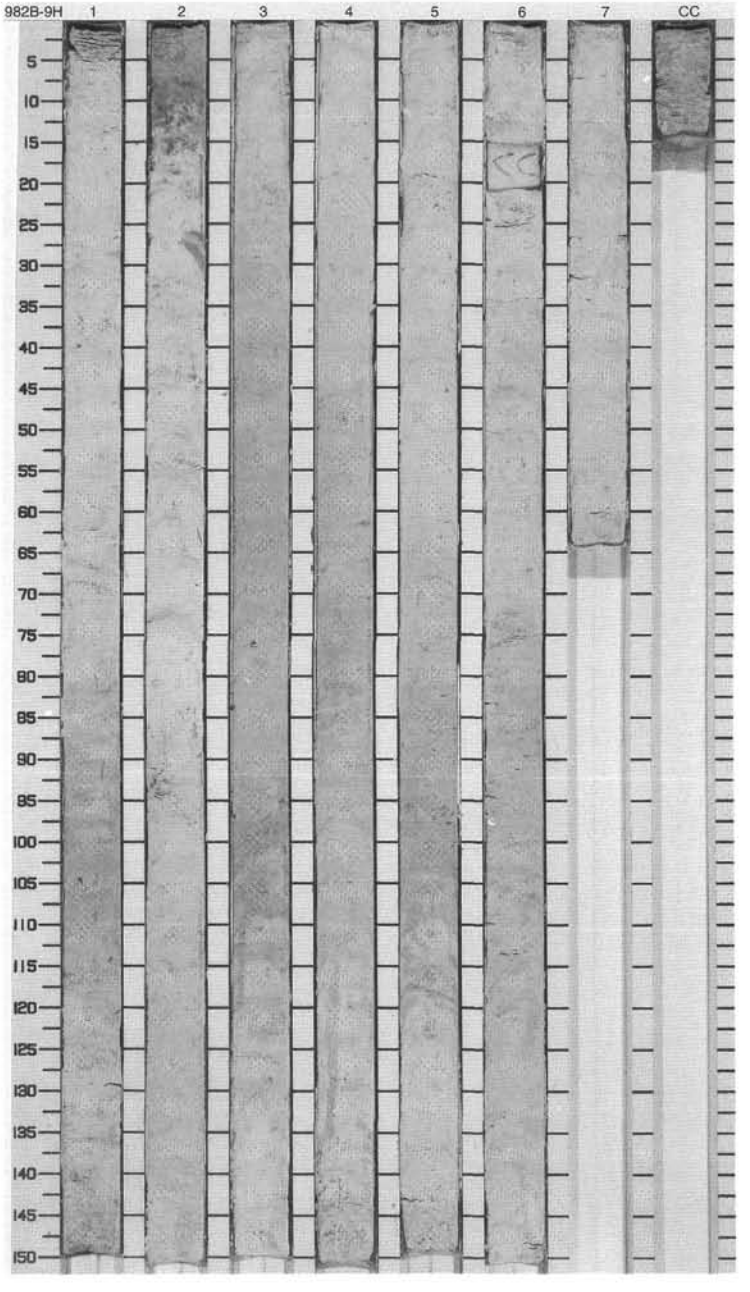
SITE 982 HOLE B CORE 8H CORED 62.5 - 72.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene		!	S	5Y 8/1	NANNOFOSSIL OOZE General Description: This core contains white (5Y 8/1) NANNOFOSSIL OOZE. A 40-cm-thick layer of light greenish gray (5GY 6/1) NANNOFOSSIL OOZE WITH CLAY occurs in Section 3, 35–75 cm. The color transitions are subtle and gradational. Bioturbation is slight throughout, and moderate within the light greenish gray layer. The uppermost 15 cm of Section 1 and the entire Core Catcher are disturbed. Within each of the other sections, the sediment is soft and sticky enough to part unevenly when split.
		2				S		
		3				S	5GY 6/1	
		4						
		5					5Y 8/1	
		6						
		7			!	M		
		CC						



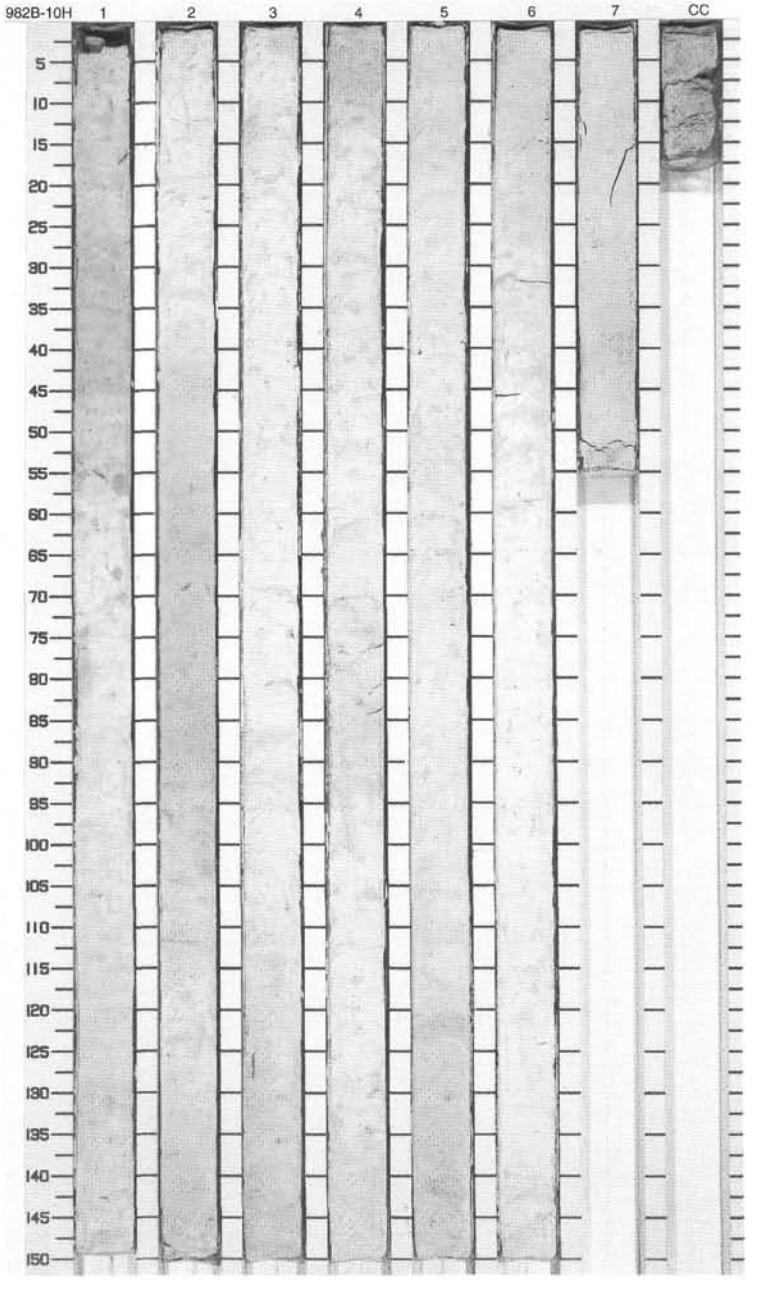
SITE 982 HOLE B CORE 9H COVERED 72.0 - 81.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pliocene–late Pliocene	P			5Y 8/1	NANNOFOSSIL OOZE *General Description:* This core contains white to light gray (5Y 8/1 to 5Y 7/1) and light greenish gray (5GY 7/1) NANNOFOSSIL OOZE. The color changes are gradational. In the white to light gray intervals, thin faint greenish gray color bands are present. A dark gray (5Y 4/1) NANNOFOSSIL OOZE WITH CLAY layer occurs at Section 3, 0–18 cm. Slight to moderate bioturbation and disseminated pyrite were scattered throughout the core. This core contains a small void at Section 6, 15–20 cm.
							5Y 7/1	
2		2		P		S	5Y 8/1	
3		3		P		S	5GY 7/1 To 5Y 7/1	
4		4		P			5Y 7/1 To 5Y 8/1	
5		5		P			5GY 7/1	
6		6					5Y 8/1	
7		7						
		CC				M		



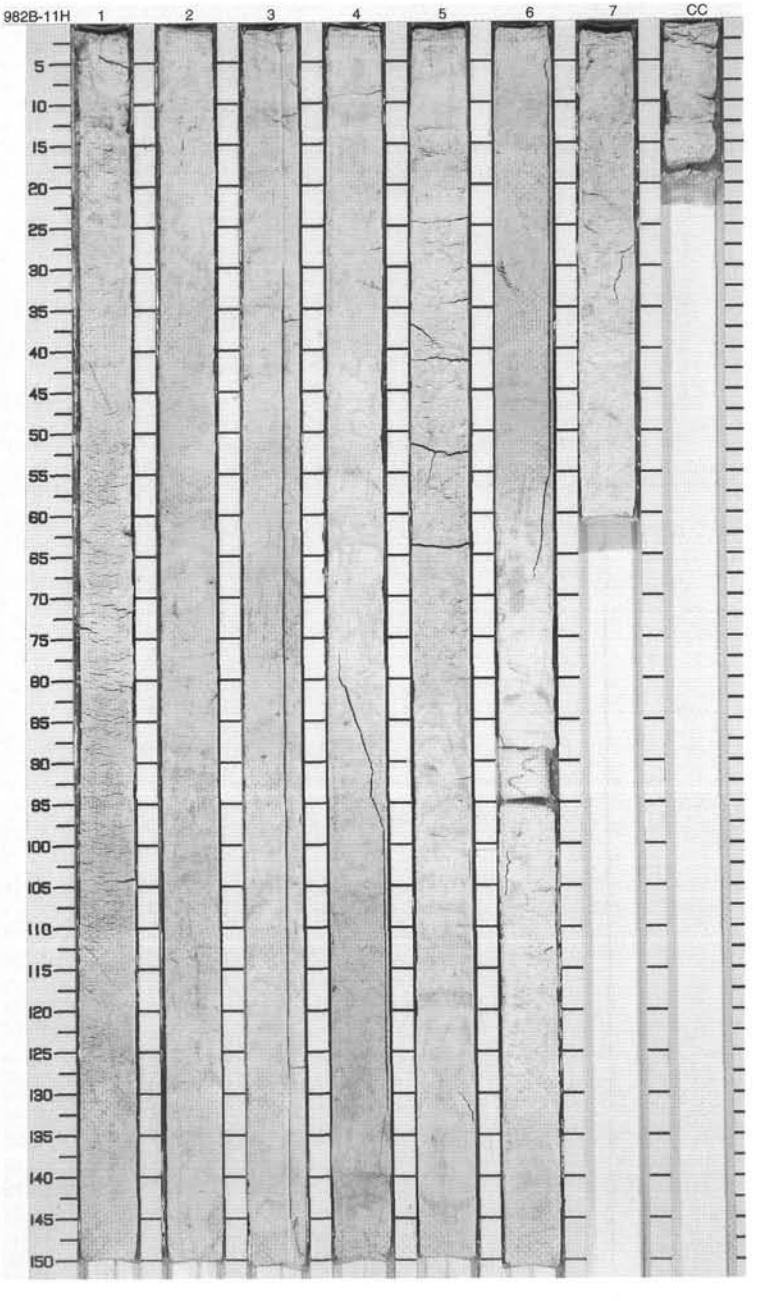
SITE 982 HOLE B CORE 10H CORED 81.5 - 91.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene	P			10Y 7/1	NANNOFOSSIL OOZE General Description: This core contains homogeneous, firm, light greenish gray to white ((10 Y 7/1 to 5Y 8/1) NANNOFOSSIL OOZE. All of the slight color changes are gradational. The core is both slightly color mottled and slightly bioturbated throughout. Sparse disseminated pyrite occurs in small blebs in Sections 1, 2, and 6.
							5Y 8/1	
		2		P			10Y 7/1	
							5Y 8/1	
		3				S		
							10Y 7/1	
		4					5GY 7/1	
							5GY 8/1	
		5						
							10Y 7/1	
		6		P			5GY 8/1	
		7				M		
		CC						



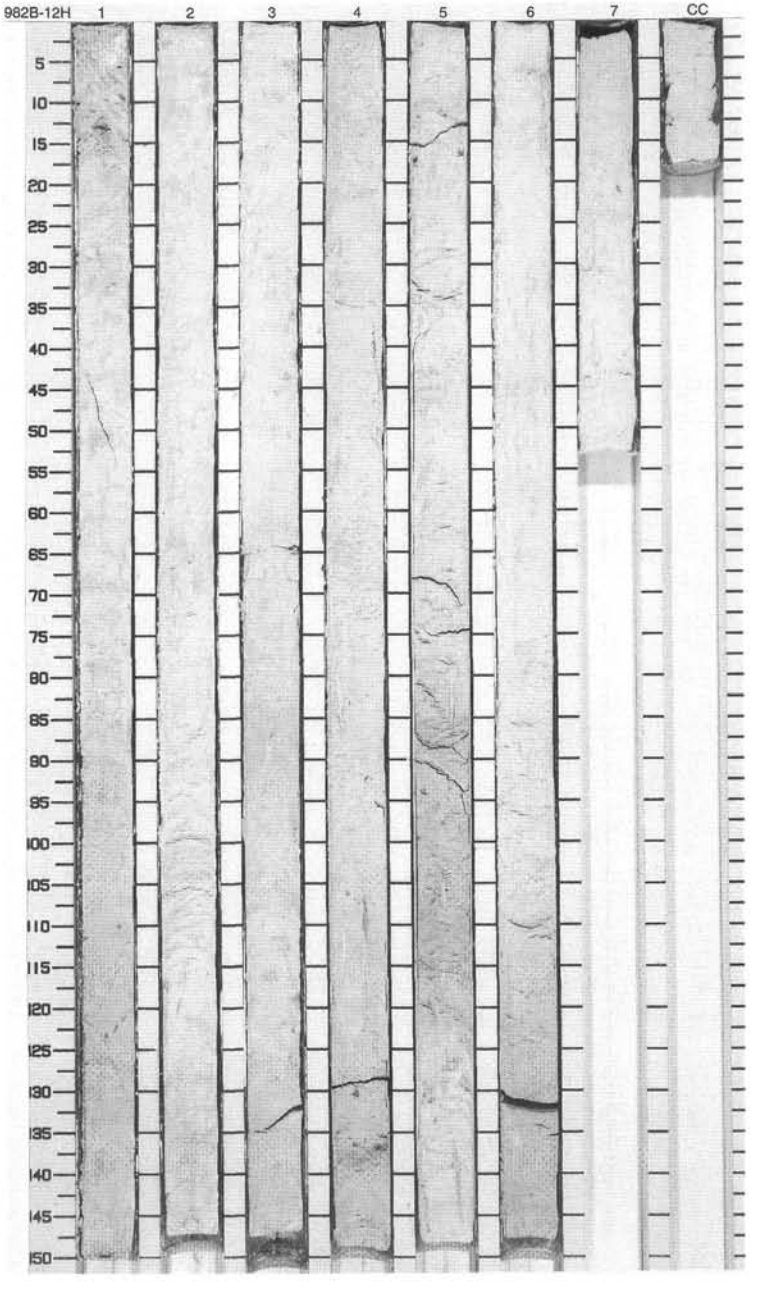
SITE 982 HOLE B CORE 11H CORED 91.0 - 100.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Pliocene	P		S, M	5Y 8/1 To 5Y 7/1; 7.5GY 7/1; 5Y 8/1; 5GY 7/1; 5Y 8/1	NANNOFOSSIL OOZE General Description: This core contains white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE alternating with light greenish gray (5GY 7/1) NANNOFOSSIL OOZE. The sediment is very soft, moist and homogeneous. Gradational color changes and slight bioturbation occur throughout the core. Several greenish spots were found in the top of Section 2, and greenish color bands were also present in Sections 3 and 7.



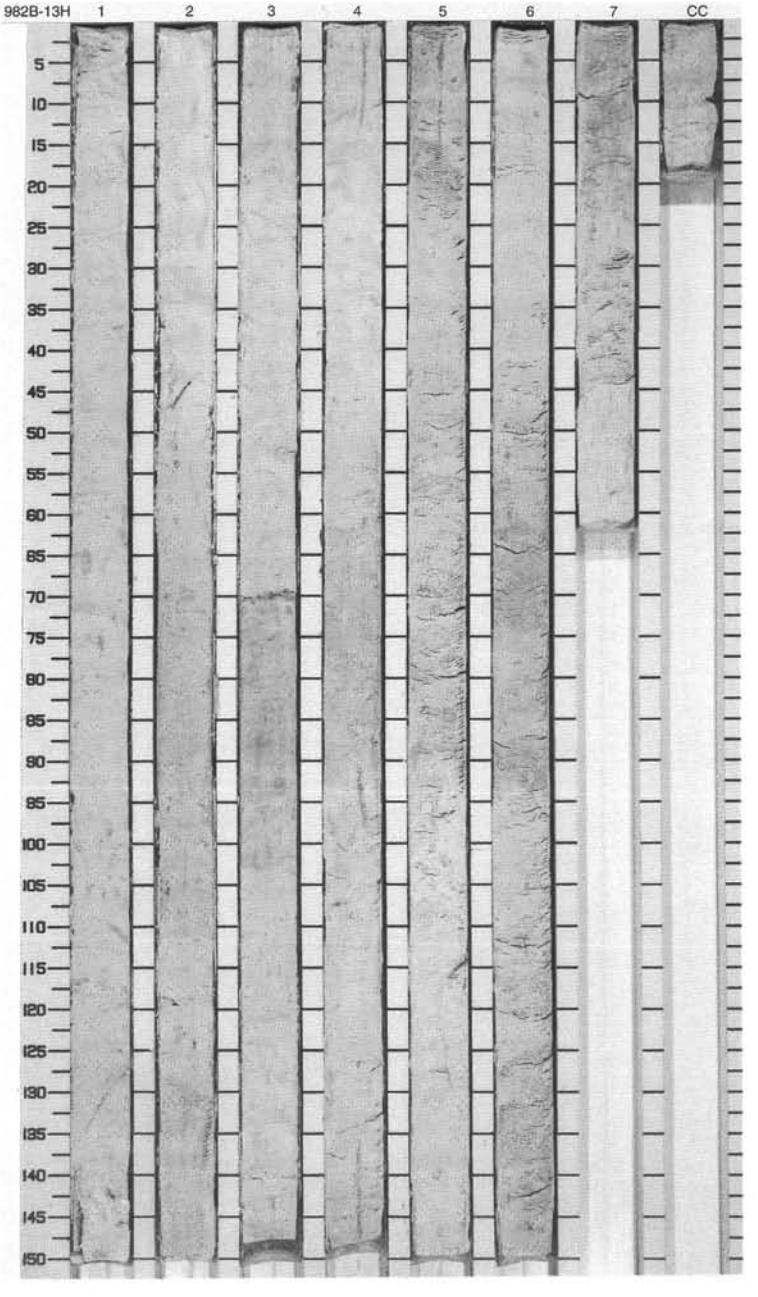
SITE 982 HOLE B CORE 12H CORED 100.5 - 110.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene	P	OO		5Y 8/1 To 10Y 7/1	NANNOFOSSIL OOZE General Description: This core contains white (5Y 8/1) and light greenish gray (10Y 7/1 and 5 GY 7/1) NANNOFOSSIL OOZE. Sediment is moist and homogeneous. Slight bioturbation color mottles are disseminated throughout the core. Faint greenish bands and spots are dispersed in all sections. Long vertical tan burrows occur in Sections 3 and 6.
		2				S		
		3			I		5Y 8/1 To 10Y 7/1	
		4			I			
					I			
		5		P		S	5GY 7/1	
		6			I–I		10Y 7/1	
		7					5GY 7/1	
		CC				M	10Y 7/1	



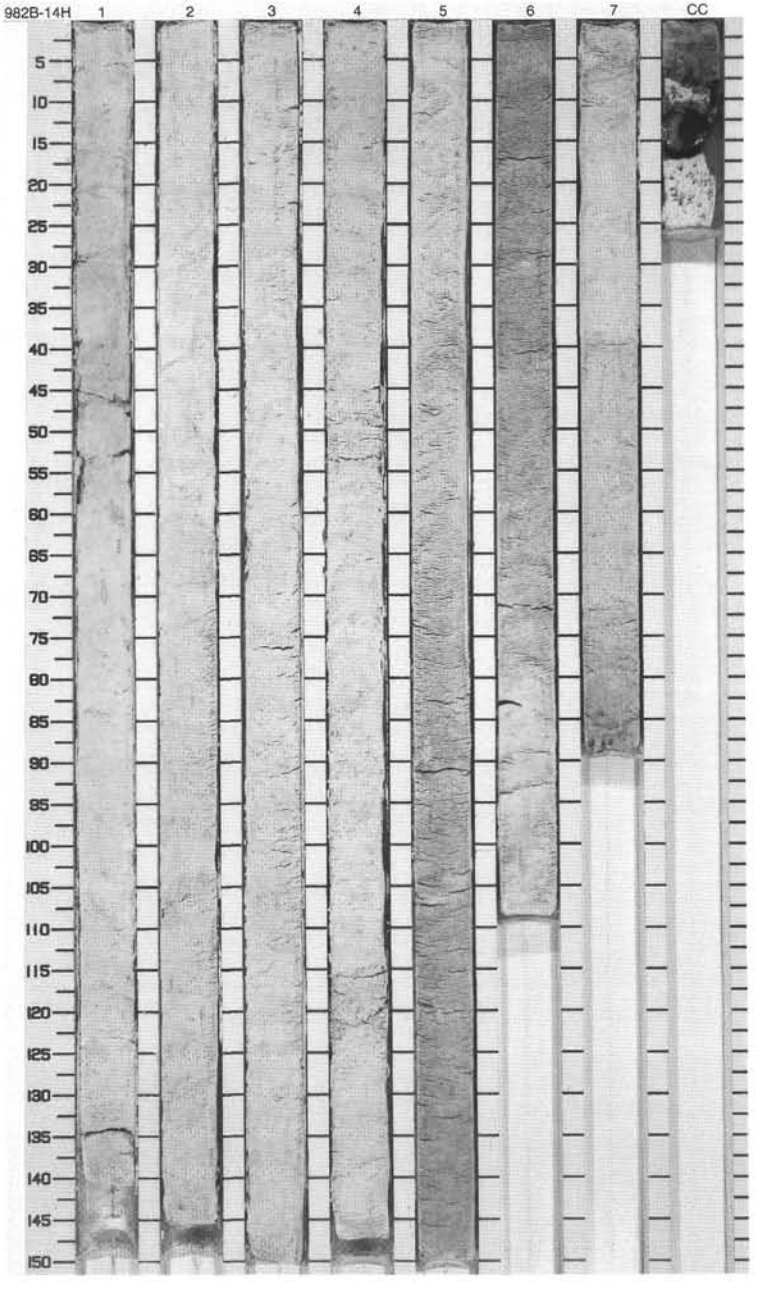
SITE 982 HOLE B CORE 13H CORED 110.0 - 119.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene	P		S	5Y 8/1	NANNOFOSSIL OOZE General Description: This core contains white (5Y 8/1) and light greenish gray (10Y 7/1) NANNOFOSSIL OOZE. Sediment is firm and homogeneous but sticky. Well defined greenish layers are situated in Section 3. Long tan vertical burrows occur in Sections 2 to 4.
		2		P		S	10Y 7/1	
		3					5Y 8/1	
		4		P			10Y 7/1 5Y 8/1	
		5					10Y 7/1 To 5Y 8/1	
		6					10Y 7/1	
		7		P		M	5Y 8/1	
		CC						



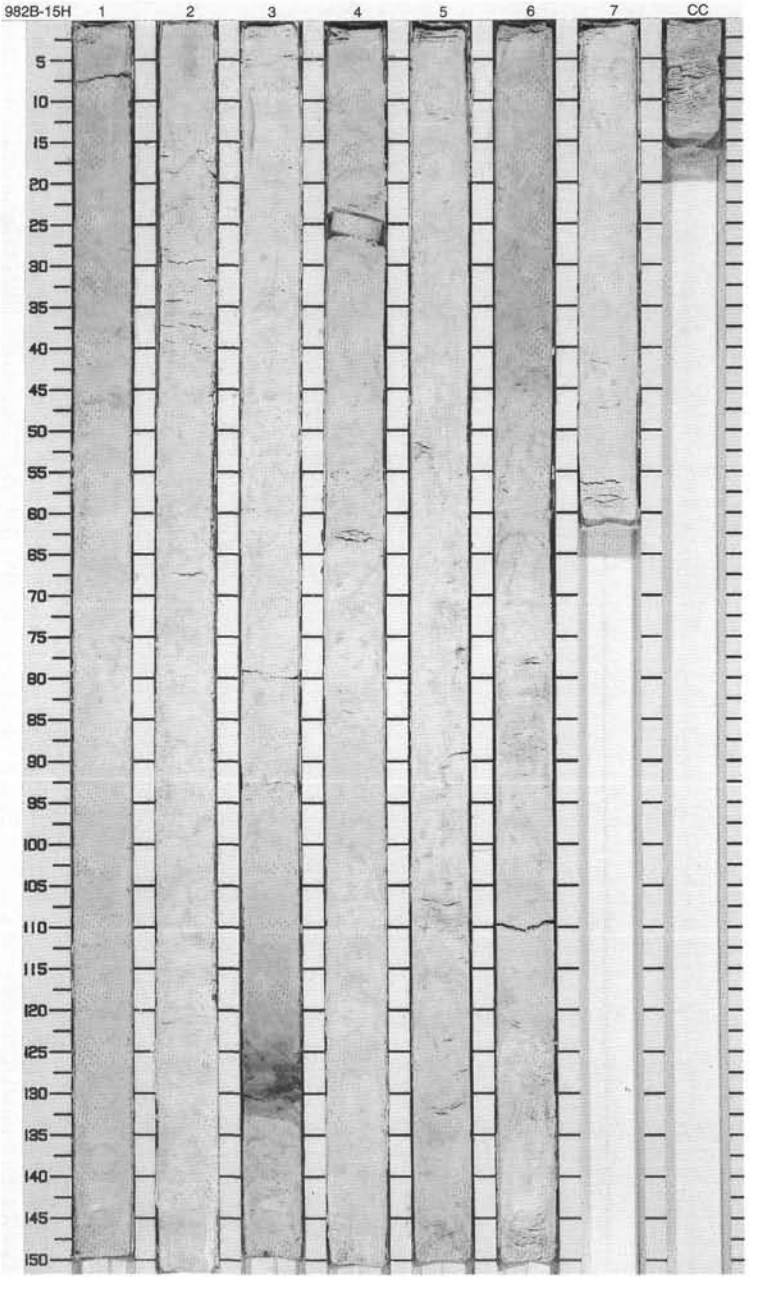
SITE 982 HOLE B CORE 14H CORED 119.5 - 129.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Pliocene	A		S	5Y 8/1; 10Y 7/1; 5Y 8/1; 5Y 7/1	NANNOFOSSIL OOZE General Description: This core contains white (5Y 8/1) and light greenish gray (10Y 7/1) NANNOFOSSIL OOZE. Sediment is firm, homogeneous, and moist. Faint greenish and tan color bands and spots are dispersed throughout the entire core. Green and gray long vertical burrows occur in all sections. A dark ash-rich layer is situated in the Core Catcher.



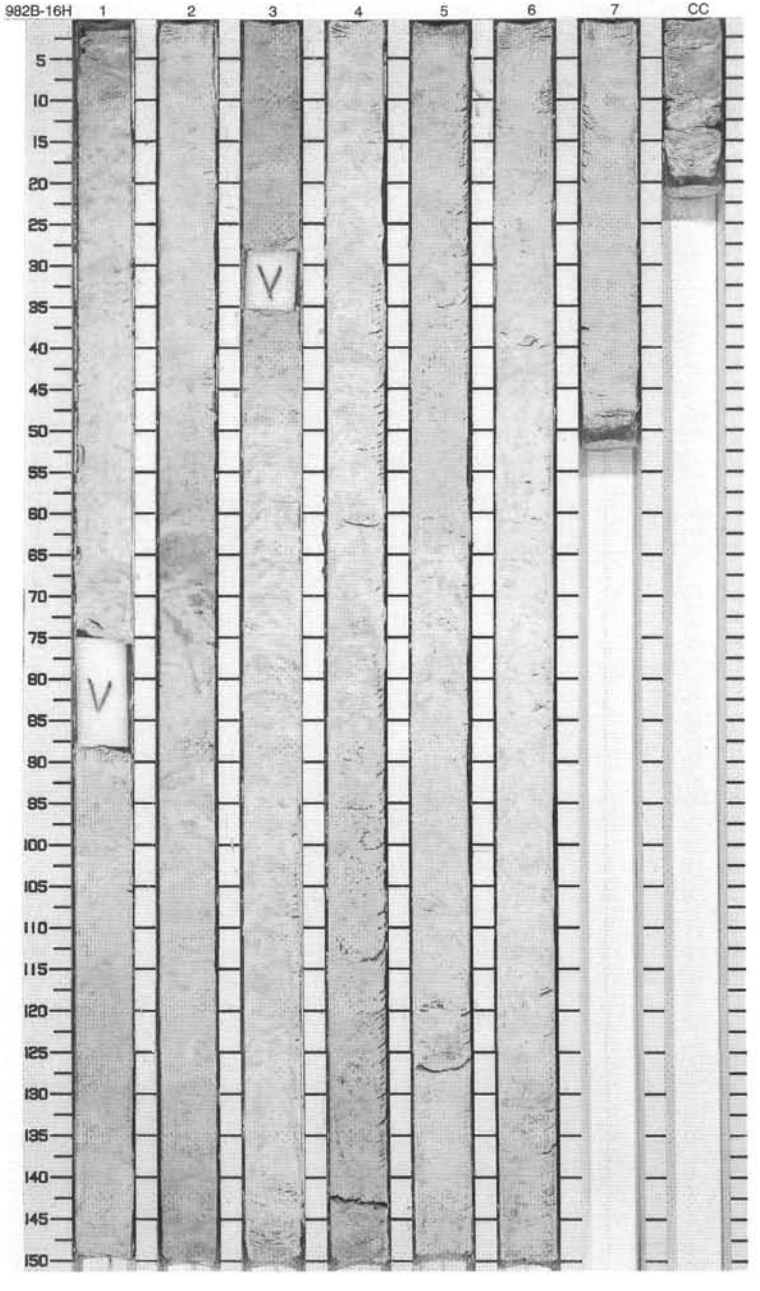
SITE 982 HOLE B CORE 15H CORED 129.0 - 138.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Pliocene			S, M, A	10Y 8/1; 5Y 8/1; 10Y 8/1; 5Y 8/1; 10Y 8/1; 5GY 7/1; 5Y 8/1	NANNOFOSSIL OOZE General Description: This core contains white (5Y 8/1), very light greenish gray (10Y 8/1) and light greenish gray (5GY 7/1) NANNOFOSSIL OOZE. Sediment is firm, moist, and homogeneous. Green and tan colored mottles and burrows occur in all sections. A dark ash-rich layer is situated between 124 and 130 cm in Section 3. Its lower contact is sharp and its upper one is gradual.



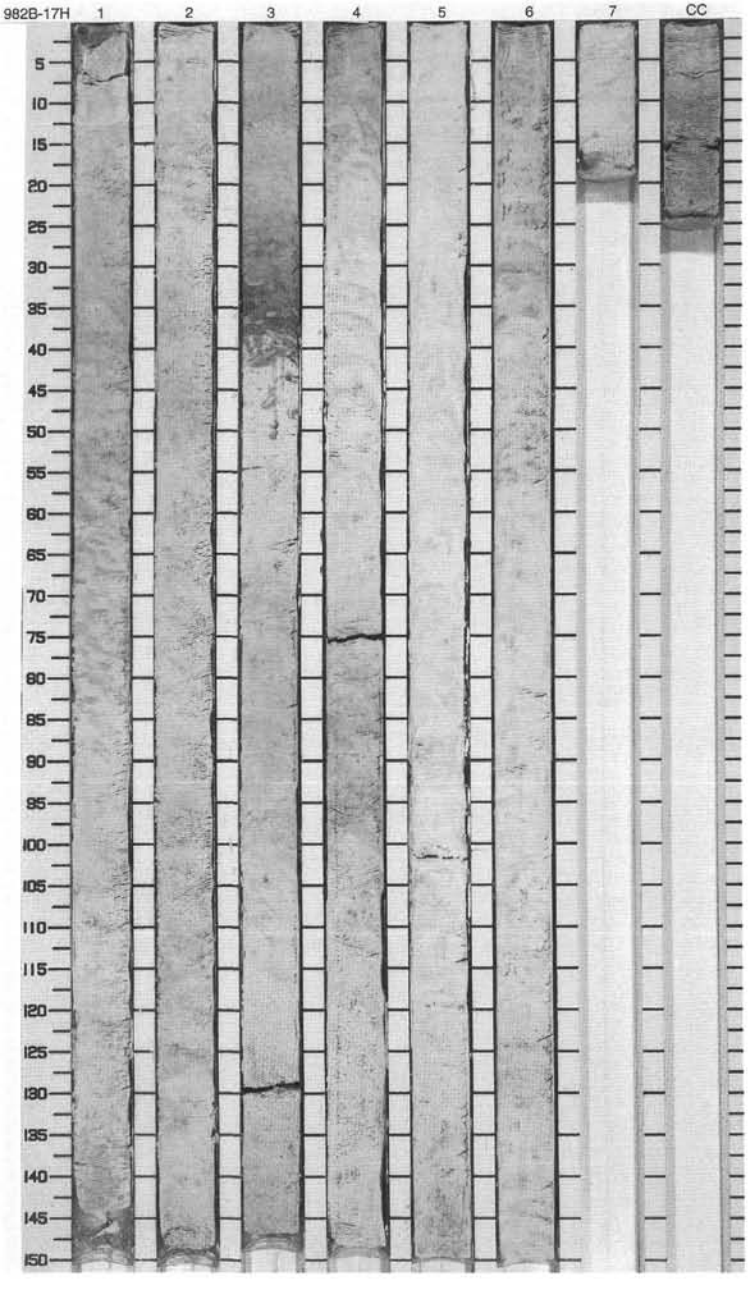
SITE 982 HOLE B CORE 16H CORED 138.5 - 148.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9	Void; nannofossil ooze	1–7, CC	early Pliocene	A		S, M	10Y 8/1; 10Y 7/1; 10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (10Y 8/1) to light greenish gray (10Y 7/1) NANNOFOSSIL OOZE. Sediment is firm, sticky with some voids (Section 1, 75–86 cm, Section 3, 29–36 cm) and smaller spaces throughout core, especially in Sections 4 to 6, where core seems drier. Tan mottles are abundant, gray ones are common and light ones are rare. A disseminated ash layer is situated in Section 2, 62–64 cm.



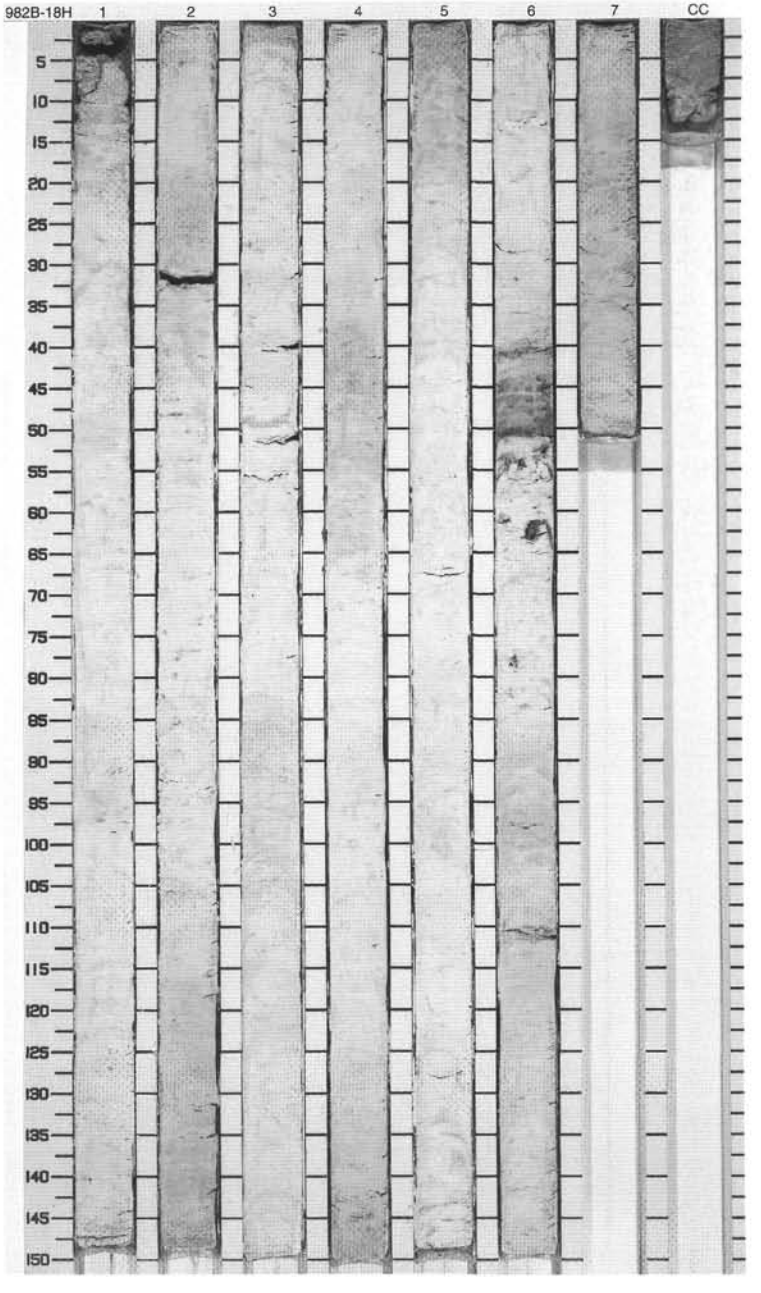
SITE 982 HOLE B CORE 17H CORED 148.0 - 157.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pliocene		W		10Y 7/1	NANNOFOSSIL OOZE General Description: Sediment is a firm, very sticky, very light greenish gray (10Y 8/1) to light greenish gray (10Y 7/1 and 5GY 7/1) NANNOFOSSIL OOZE which produces a rough texture on the split surface. An ash layer is situated in Section 3, 27–39 cm. The layer is bioturbated at its base, becoming increasingly disseminated at top. The original layer was probably situated between 33 and 39 cm. Mottles are dominantly tan with light green and minor gray. Green mottles are especially common above the ash layer.
							10Y 8/1	
2		2					10Y 7/1	
							10Y 8/1	
3		3		A		S	5GY 7/1	
							10Y 8/1	
4		4					10Y 7/1	
5							10Y 8/1	
		5				S		
6							5GY 7/1	
		6					10Y 8/1	
7		7						
		CC				M	10Y 7/1	



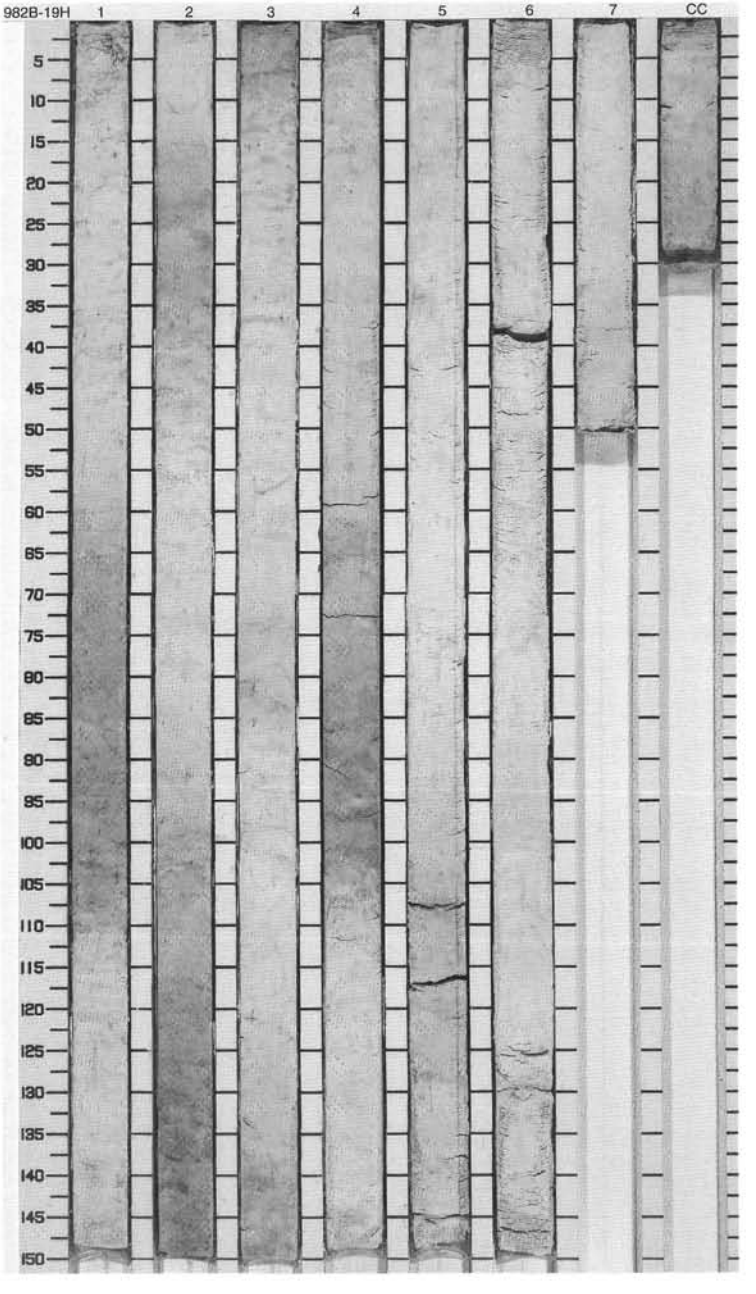
SITE 982 HOLE B CORE 18H CORED 157.5 - 167.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene–early Pliocene	P, A, C	V	S, M	5Y 8/1; 10Y 7/1; 10Y 8/1; 5Y 7/1; 5Y 8/1; 5Y 7/1; 5Y 8/1; 5Y 7/1	NANNOFOSSIL OOZE General Description: This core contains firm, homogeneous, light gray to white (5Y 7/1 to 5Y 8/1) NANNOFOSSIL OOZE. The slight color changes are gradational. Pyrite is disseminated throughout the core. The uppermost 12 cm of the core are very disturbed due to drilling. Several small gaps (1–3 cm) occur throughout the core, especially in Section 3, 40–60 cm, and in Section 5, 65–67 cm. An ash layer with a sharp bottom contact is present in Section 6, 42–51 cm. This ash is also present in burrows of the underlying sediments. A celestite concretion resembling a sulfide burrow occurs at Section 6, 60–62 cm, and possibly at 78–79 cm.



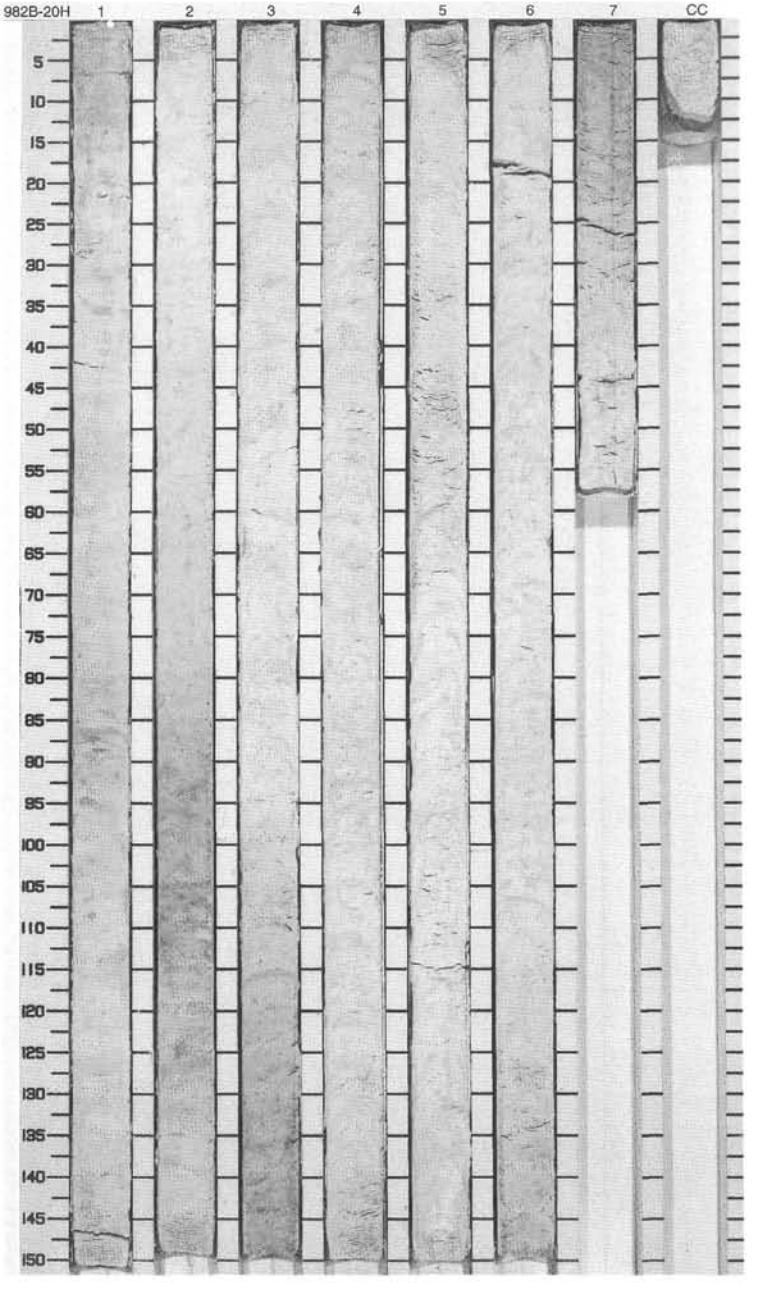
SITE 982 HOLE B CORE 19H CORED 167.0 - 176.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene	P		S	5Y 8/1	NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY General Description: This core contains firm white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE alternating with greenish gray (5GY 6/1) NANNOFOSSIL OOZE WITH CLAY. The core is slightly bioturbated throughout. Disseminated pyrite is present at several layers. Color changes are gradational. Between Section 1, 117 cm and Section 2, 116 cm, a light greenish gray (5GY 7/1) interval is interbedded. The white interval in Section 3 contains faint greenish color bands. Small gaps are present in Sections 5 and 6, especially at 107, 117, and 37–39 cm, respectively.
							5GY 6/1	
		2					5Y 7/1	
							5GY 6/1	
		3		P			5Y 8/1	
		4		P			5GY 6/1	
		5				S	5Y 8/1	
							5GY 7/1	
		6					5Y 8/1 To 5Y 7/1	
		7						
		CC				M	5GY 7/1	



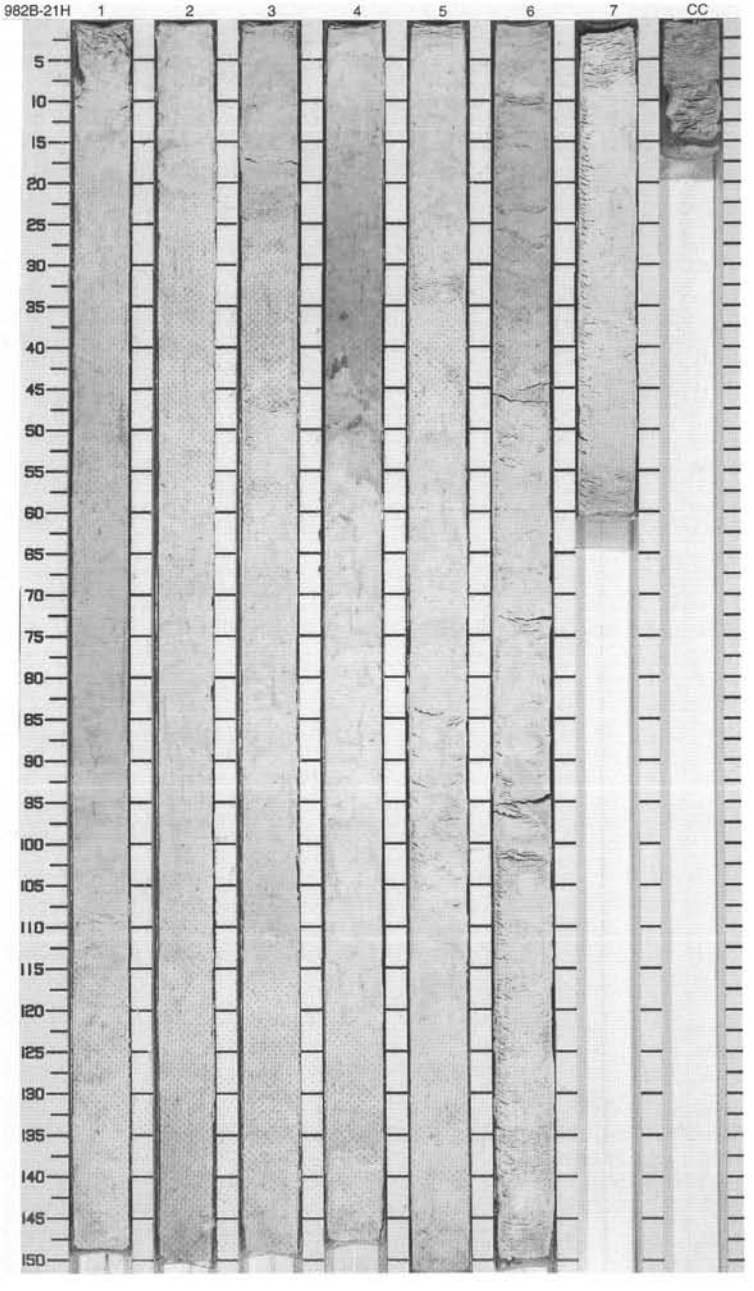
SITE 982 HOLE B CORE 20H CORED 176.5 - 186.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene				5Y 8/1 To 5Y 7/1	NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY General Description: This core contains alternating white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE and light greenish gray (5GY 7/1) NANNOFOSSIL OOZE WITH CLAY. The color changes are gradational. Faint greenish color bands occur in the uppermost part of Section 2. Slight to moderate bioturbation occurs throughout the core. Disseminated pyrite is present at several layers. Section 7 is slightly disturbed.
		2		P		S	5GY 7/1	
		3		P			5Y 8/1 To 5Y 7/1	
		4		P		S	5GY 7/1	
		5					5Y 8/1	
		6						
		7			| | |		5GY 7/1	
		CC				M	5Y 8/1	



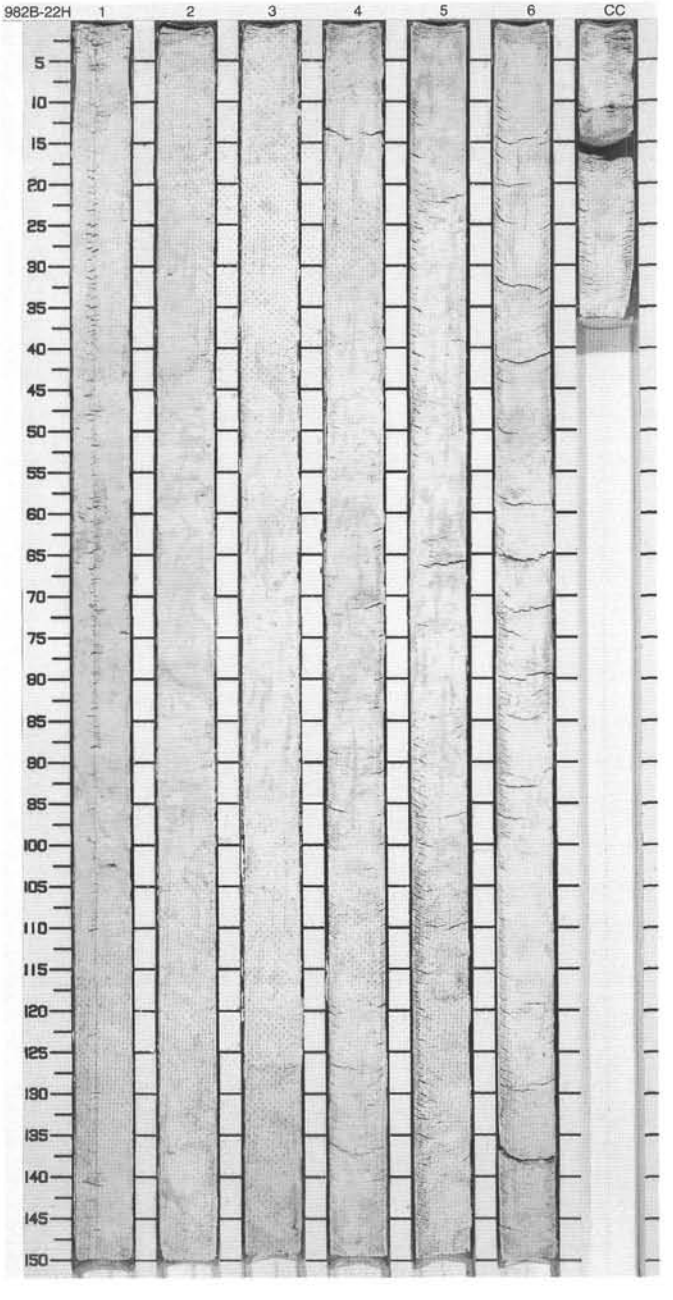
SITE 982 HOLE B CORE 21H CORED 186.0 - 195.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene		W	S, M	10Y 8/1; 10Y 6/1; 10Y 8/1; 10Y 8/1; 10Y 6/1	NANNOFOSSIL OOZE General Description: This core contains light greenish gray (10Y 6/1) to very light greenish gray (10Y 8/1) NANNOFOSSIL OOZE. The color changes are subtle and gradational. Pale green color bands occur in Section 2, 30–70 cm. Sulfides are disseminated throughout the core. Bioturbation is slight to moderate throughout. The uppermost 10 cm of Section 1 is very disturbed. Much of Sections 6 and 7 are slightly disturbed, so that bedding planes curve along the core liner.



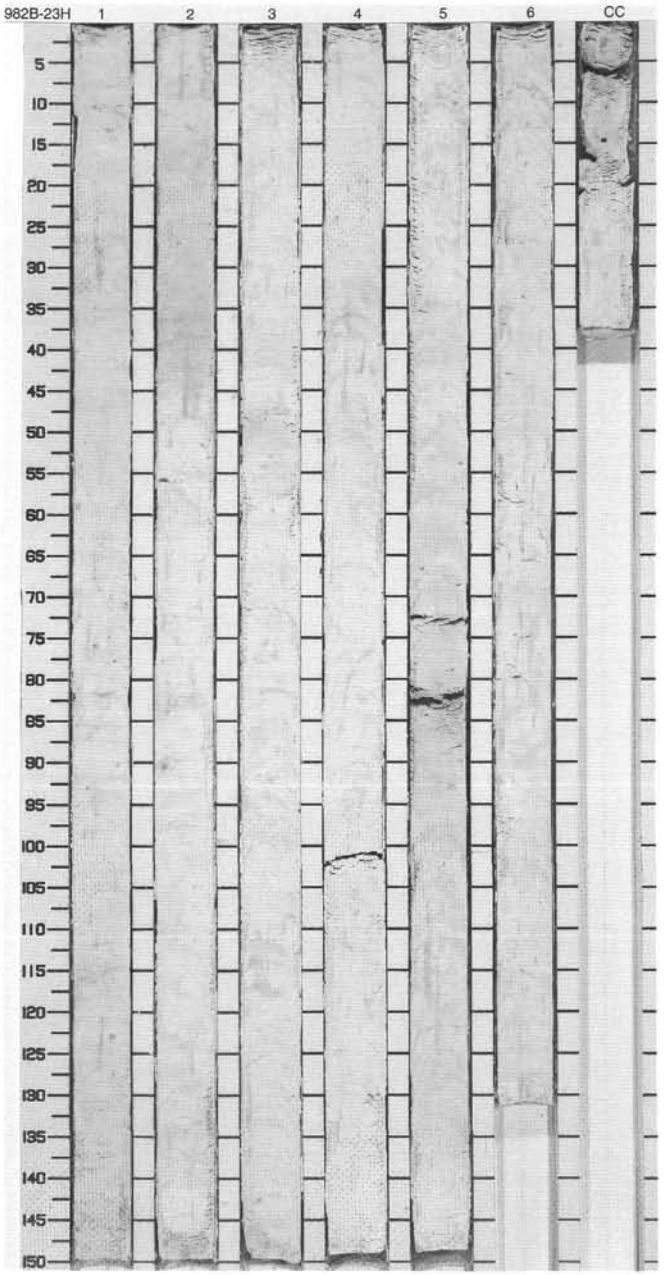
SITE 982 HOLE B CORE 22H CORED 195.5 - 205.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–6, CC	late Miocene	P (Sections 3 and 4)		S (Section 3), M (CC)	5Y 8/1 To 5GY 7/1 (Sections 1–3); 5Y 8/1 To 5Y 7/1 (Sections 4–6, CC)	NANNOFOSSIL OOZE General Description: This core contains white to light greenish gray (5Y 8/1 to 5GY 7/1) and white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE. Faint greenish color bands are present in the lowermost parts of Sections 3, 6, and in the Core Catcher. A small void interval is present in the Core Catcher, 14–17 cm. Slight to moderate bioturbation occurs throughout the core, and disseminated pyrite is present at several layers.



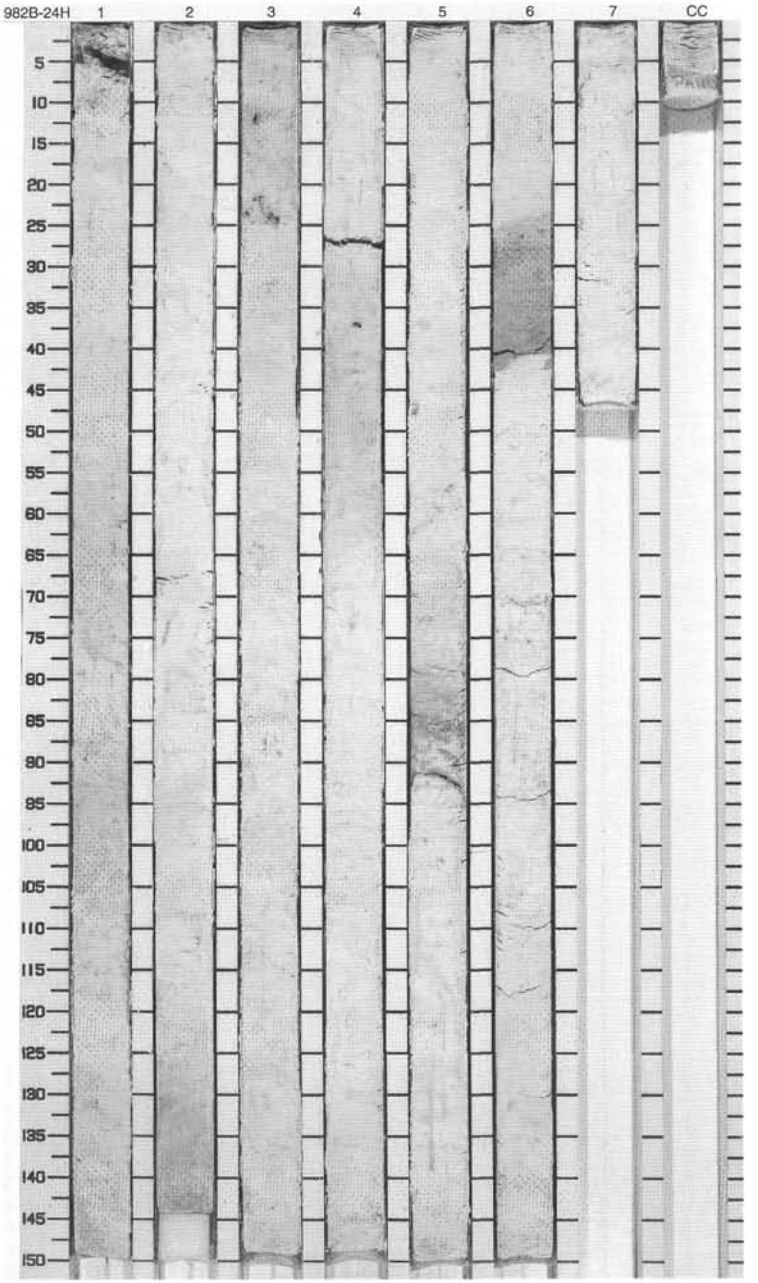
SITE 982 HOLE B CORE 23H CORED 205.0 - 214.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1, 2, 3, 4, 5, 6, CC	late Miocene	P	—	S, M	5Y 8/1 To 5Y 7/1	NANNOFOSSIL OOZE General Description: This core contains white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE. Faint greenish color bands occur in Section 2, 10–35 cm, and in Section 5, 50–90 cm. There are no other visible color changes. Slight bioturbation occurs throughout the core. Section 4, 99–100 cm and Section 5, 80–82 cm are slightly disturbed.



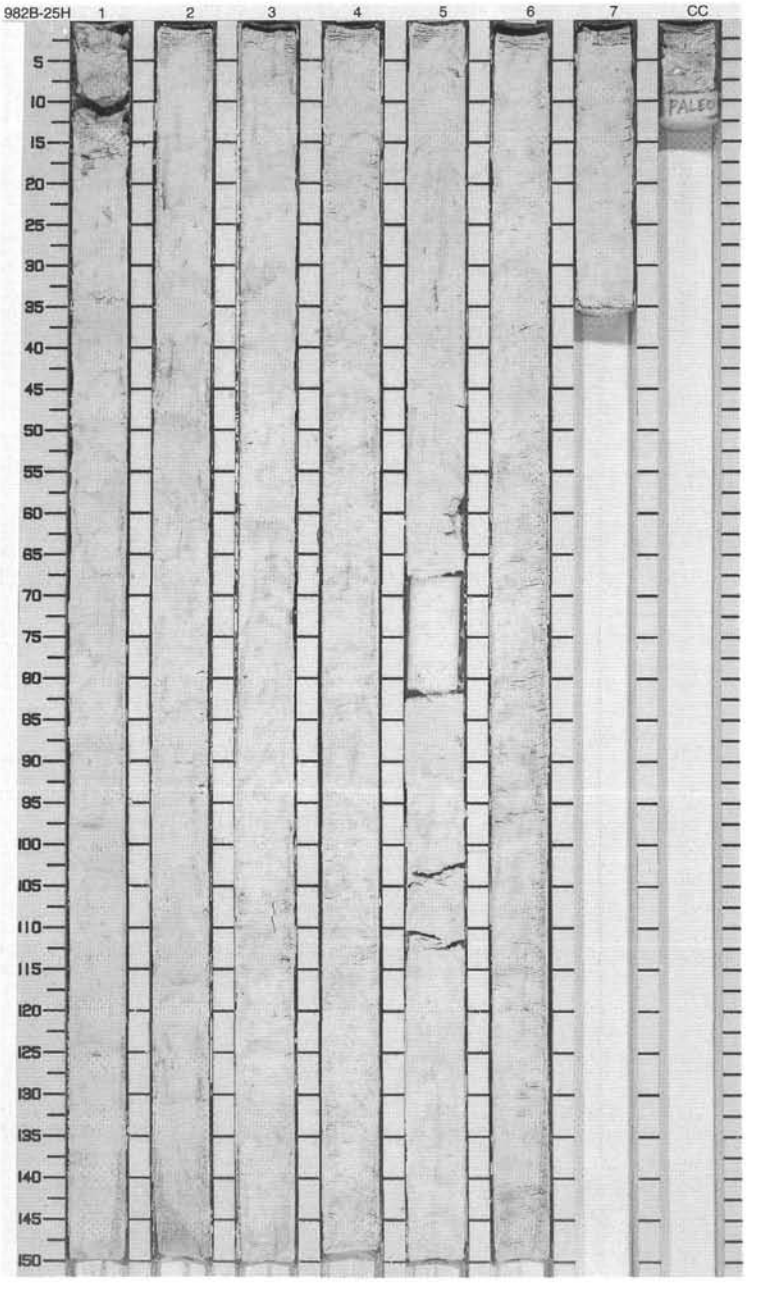
SITE 982 HOLE B CORE 24H CORED 214.5 - 224.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene		W	S, S, M	5GY 8/1; 10Y 6/1; 5GY 8/1	NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL OOZE WITH FORAMINIFERS AND CLAY General Description: This core contains light greenish gray (5Y 8/1) NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL OOZE WITH FORAMINIFERS AND CLAY. The sediment is soft and moist. Bioturbation is slight throughout the core. Sulfides are disseminated throughout, including a layer in Section 3, 50 cm. A pyrite nodule occurs in Section 4, 50 cm. Subtle color banding occurs within Sections 4 and 5. A visibly coarse layer of light gray (5GY 7/1) FORAMINIFER OOZE WITH NANNOFOSSILS AND MICRITE occurs in Section 6, 25–40 cm. It has a sharp base, a gradational top, is graded, and is composed primarily of foraminifer fragments.



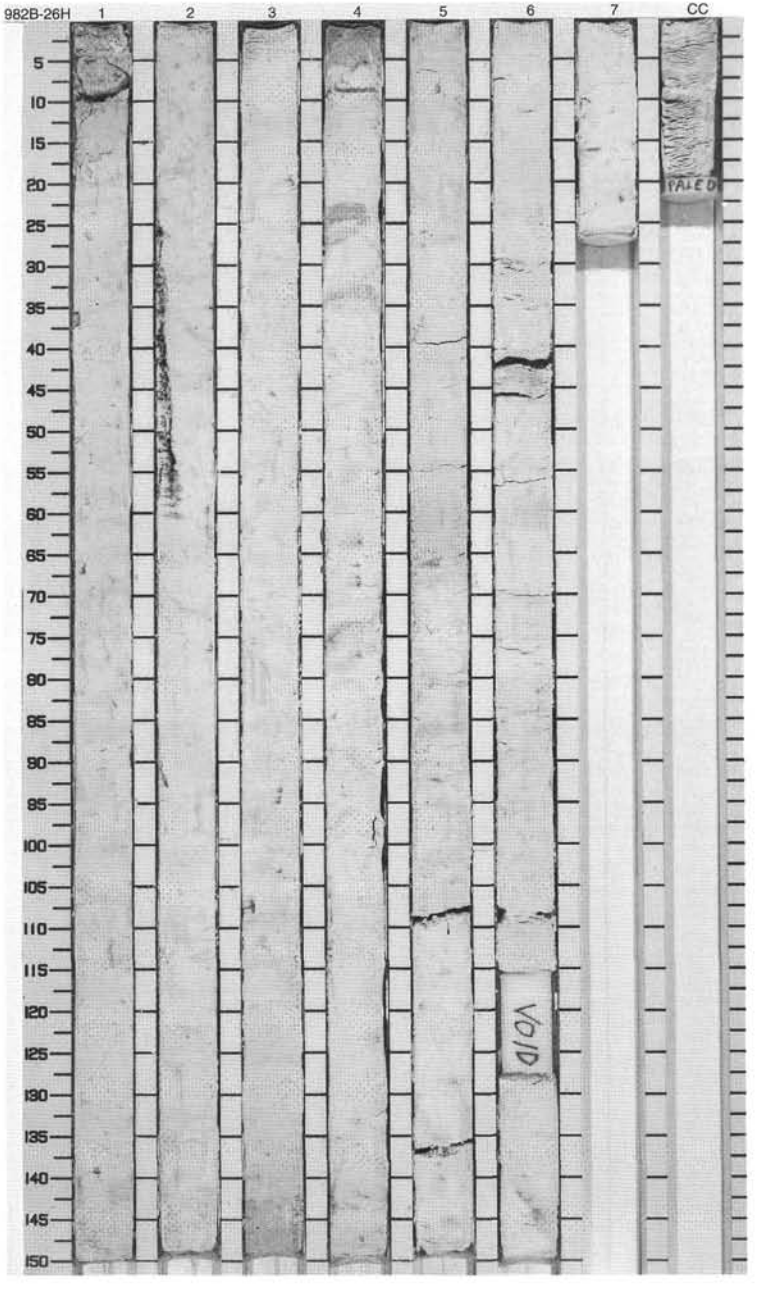
SITE 982 HOLE B CORE 25H CORED 224.0 - 233.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9	Void	1–7, CC	late Miocene	P		S, M	5Y 8/1 To 5Y 7/1	NANNOFOSSIL OOZE General Description: This core contains white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE. Section 5, 102–114 cm is slightly disturbed. There are no visible color changes. Slight bioturbation occurs throughout the core. The sediment is void at Section 5, 69–83 cm.



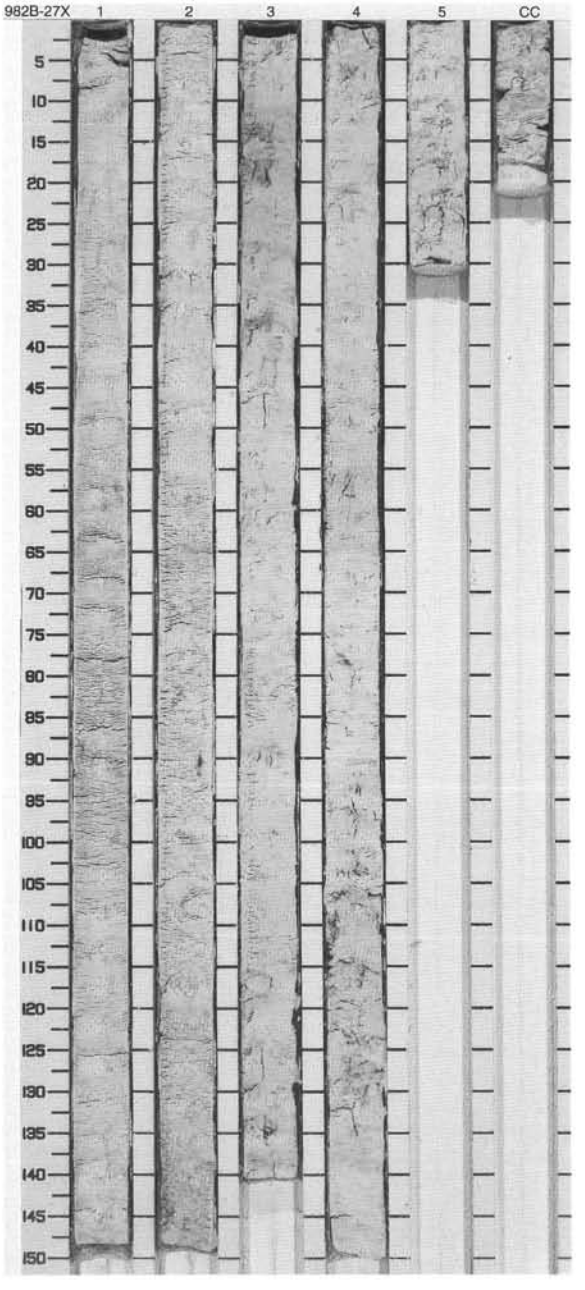
SITE 982 HOLE B CORE 26H CORED 233.5 - 243.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9	Void	1–6, 7, CC	late Miocene	P	⩘	S, M	5GY 8/1, 5GY 7/1	NANNOFOSSIL OOZE General Description: This core contains homogeneous white (5GY 8/1) NANNOFOSSIL OOZE. Gray bands with minor amounts of pyrite and a few glass grains are present from Section 3, 143 cm to Section 4, 6 cm, and in Section 4, 22–24 cm. This sediment is bioturbated into the underlying sediment. The uppermost 10 cm of the core are disturbed due to drilling. In addition, several small gaps are present, especially in Section 5, 108–110, and 135–138 cm, in Section 6, 41–47, and 109–110 cm.



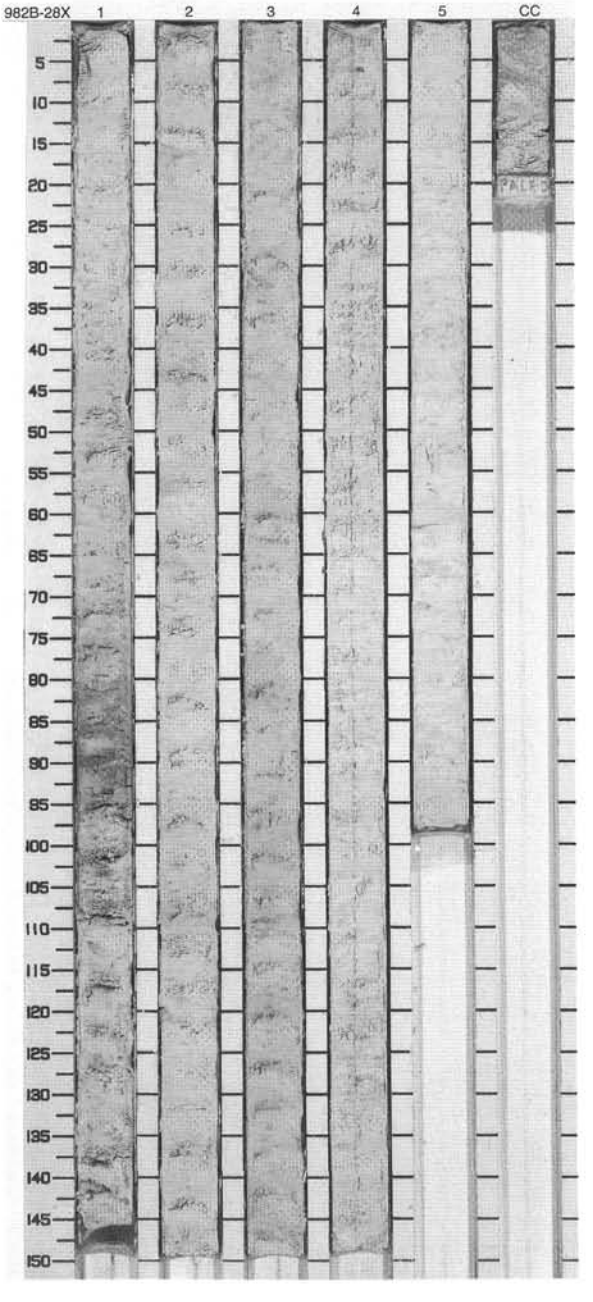
SITE 982 HOLE B CORE 27X CORED 243.0 - 249.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1, 2, 3, 4, 5, CC	late Miocene			S, I, M	5GY 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (5GY 8/1) NANNOFOSSIL OOZE. Faint green color bands occur in Section 2, 100 cm. Sulfides are disseminated throughout the core, and occur as pods in Section 2, 100 cm, and Section 3, 110 cm. The uppermost 15 cm of Section 1, intervals within Sections 2–4, and the entire Section 5 and Core Catcher are slightly to moderately disturbed by coring and/or splitting.



SITE 982 HOLE B CORE 28X CORED 249.3 - 258.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Miocene	~				NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (10Y 8/1) NANNOFOSSIL OOZE. Sediment is firm, homogeneous, sticky and undisturbed. Faint small blebs of disseminated pyrite are dispersed throughout the core. Core is very slightly burrow mottled. A disseminated ash interval with more concentrated amounts of fine, disseminated pyrite is situated in Section 1, 80–95 cm. The ash interval is darker in color (2.5GY 6/1) with gradational contacts.
2		2		~				
3		3		~		S	10Y 8/1	
4		4		~				
5		5		~				
6		CC				M		

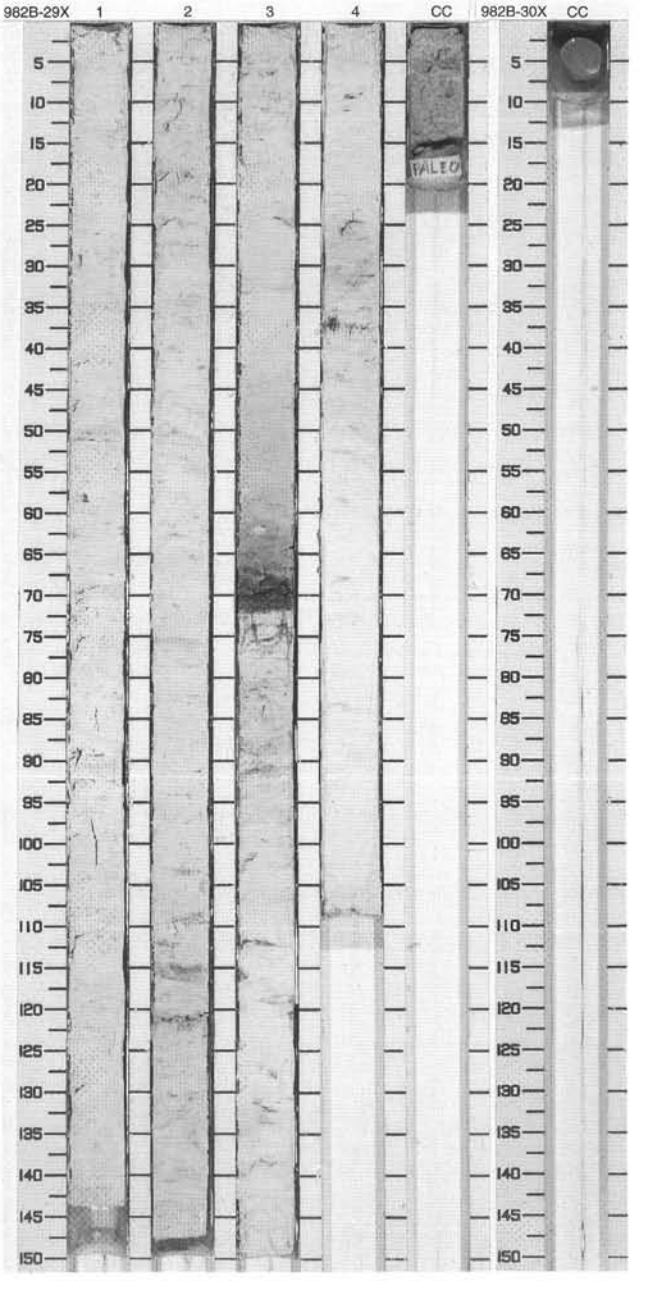


SITE 982 HOLE B CORE 29X CORED 258.9 - 268.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1, 2, 3, 4, CC	late Miocene	–A		S, M	5GY 8/1	NANNOFOSSIL OOZE General Description: This core contains firm, sticky, undisturbed, homogeneous, very light greenish gray (5GY 8/1) NANNOFOSSIL OOZE. Stringers and blebs of finely disseminated pyrite are distributed throughout the core. An ash layer, with gradational upper contact and sharp bottom contact is situated in Section 3, 67–70 cm. Burrows occur directly below contact. An elongate pyritized burrow is present in Section 4, 35–36 cm.

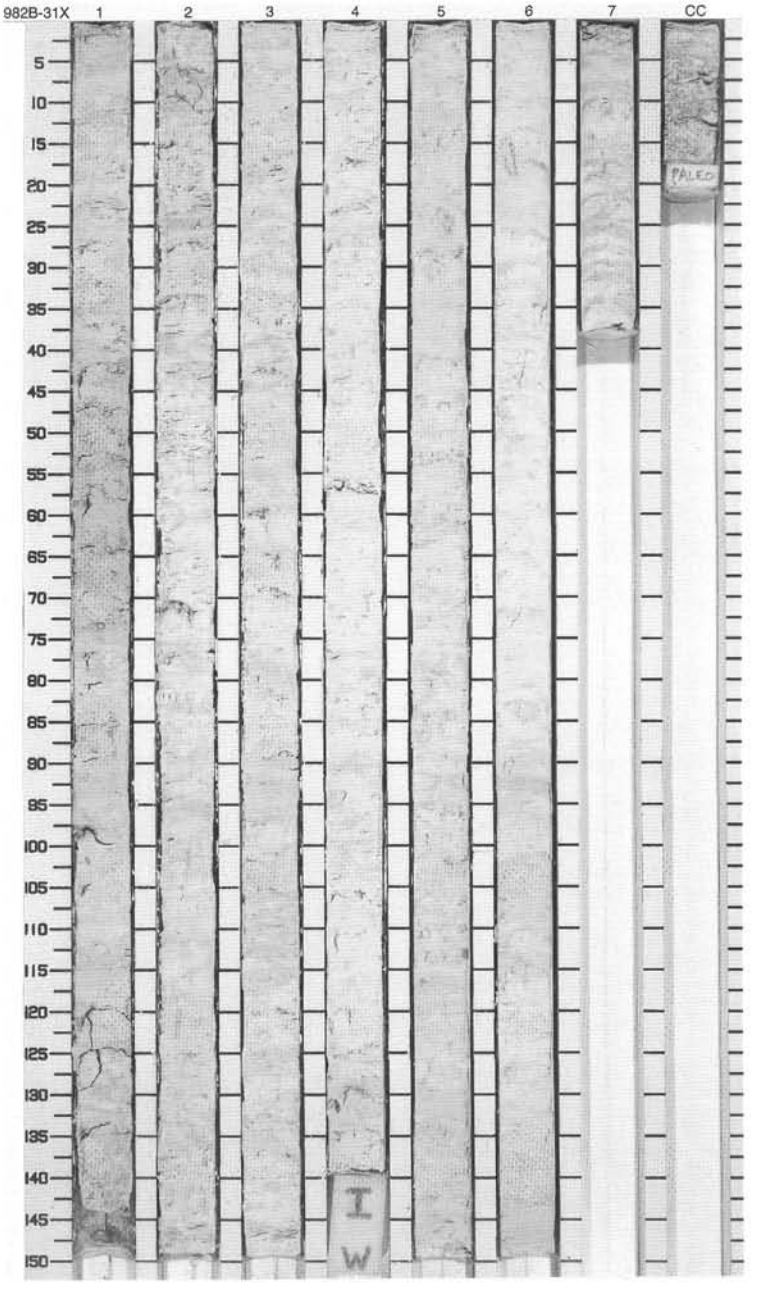
SITE 982 HOLE B CORE 30X CORED 268.5 - 278.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC						SILICA CEMENTED FORAMINIFER SAND General Description: The core contained a single 6-cm-long rounded rock. In thin section, the rock was dominated by foraminifers in a silica matrix. The foraminifers have a planctonic:benthic ratio of 4:1. Glauconite is also present. Wire line logs show this to be part of a turbidite and porewater studies suggest this may be part of a cap rock.



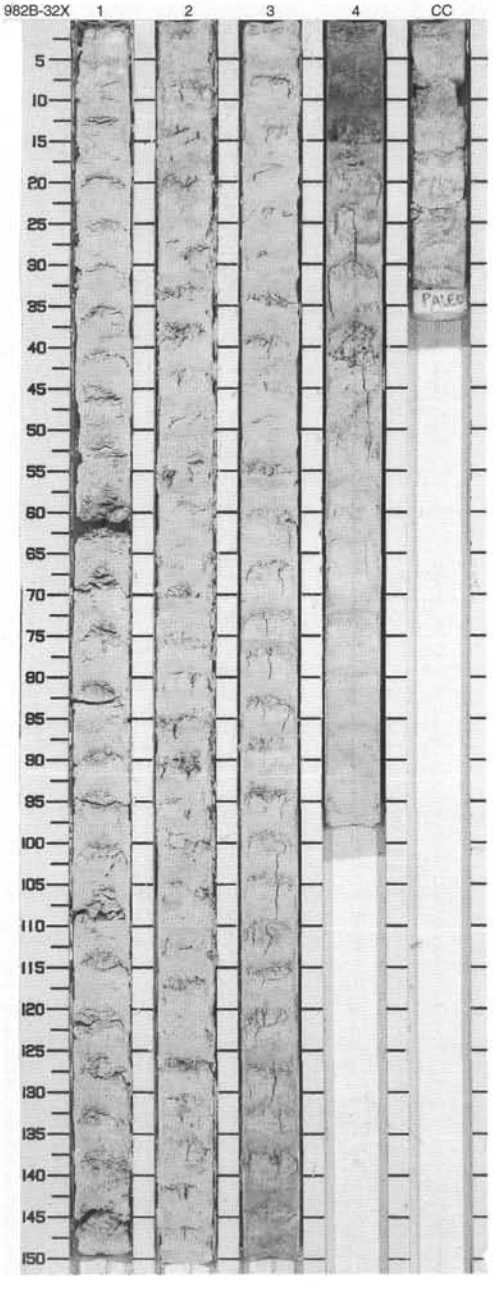
SITE 982 HOLE B CORE 31X CORED 278.2 - 287.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene	≀≀≀	WWWWWWWWW	S, I	10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray NANNOFOSSIL OOZE. Core is firmer and less sticky in Sections 6 and 7 than rest of the core. Sections 1 to 5 are moister and stickier. Core shows evidence of biscuiting, particularly in Sections 1, 6, and 7. Faint, slightly concentrated darker blebs, stringers of disseminated pyrite are dispersed throughout the core. A 7 cm gap is created by splitting at bottom of Section 1. Entire core is homogeneous in color getting firmer with depth.



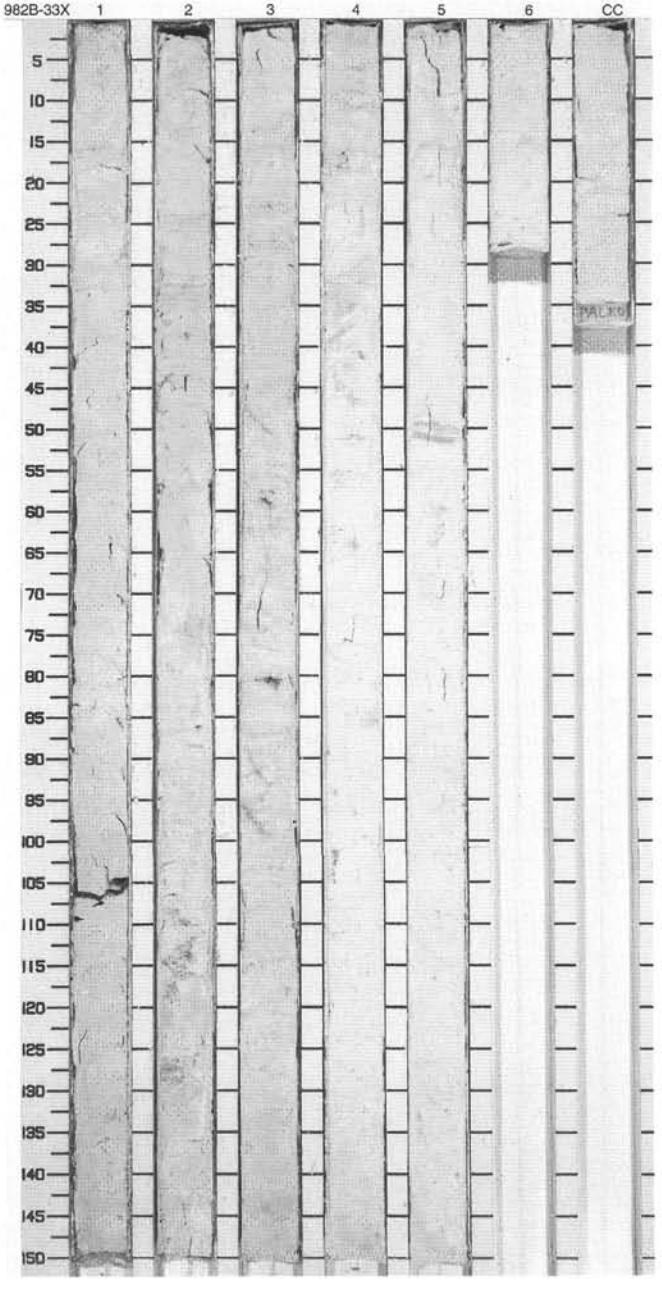
SITE 982 HOLE B CORE 32X CORED 287.8 - 297.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1, 2, 3, 4, CC	late Miocene	A, P		S, M	10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (10Y 8/1) NANNOFOSSIL OOZE. Entire core is regularly biscuited by the drilling process. Biscuits are very firm and many have been broken into pieces (during splitting?). A darkened disseminated ASH layer occurs in Section 4, 0–16 cm, containing disseminated pyrite. An interval of concentrated blebs of disseminated pyrite occurs in Section 4, 38–43 cm.



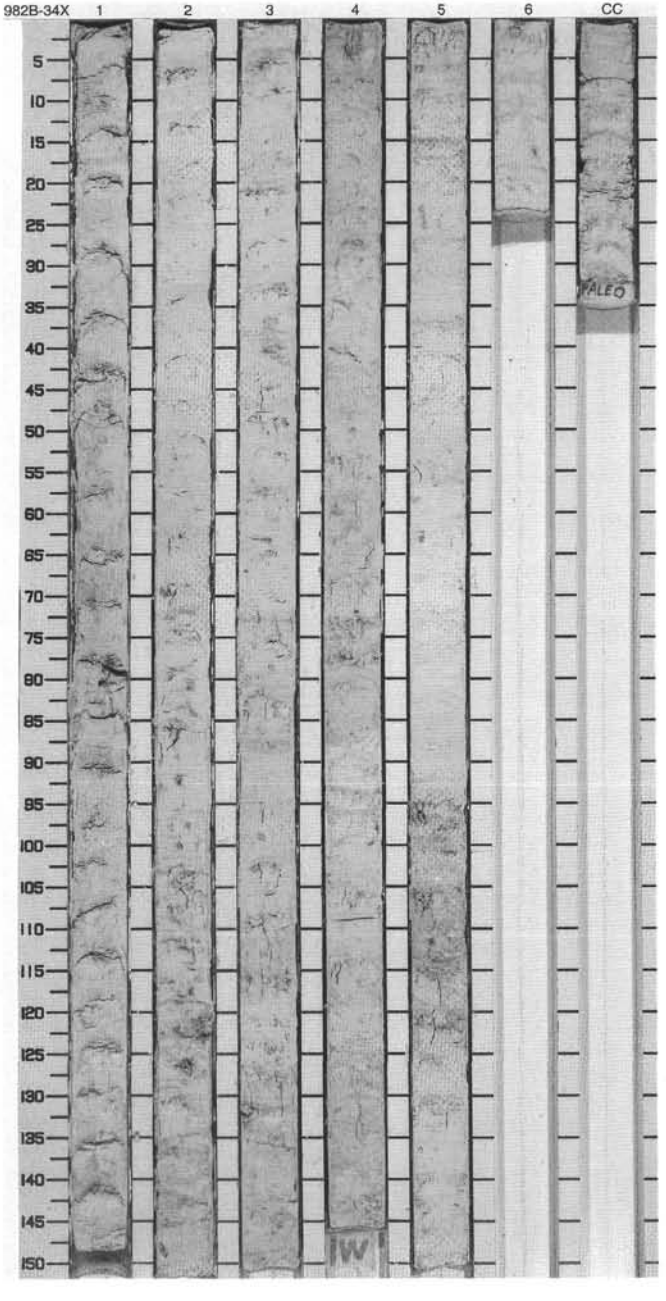
SITE 982 HOLE B CORE 33X CORED 297.4 - 307.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1, 2, 3, 4, 5, 6, CC	late Miocene	P, P		S, M	10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (10Y 8/1) NANNOFOSSIL OOZE. The entire core is biscuited with slurry in between a few minor voids. Disseminated pyrite occurs throughout, but concentrated in burrows. A few greenish bands occur in Sections 2, 3, and 4.



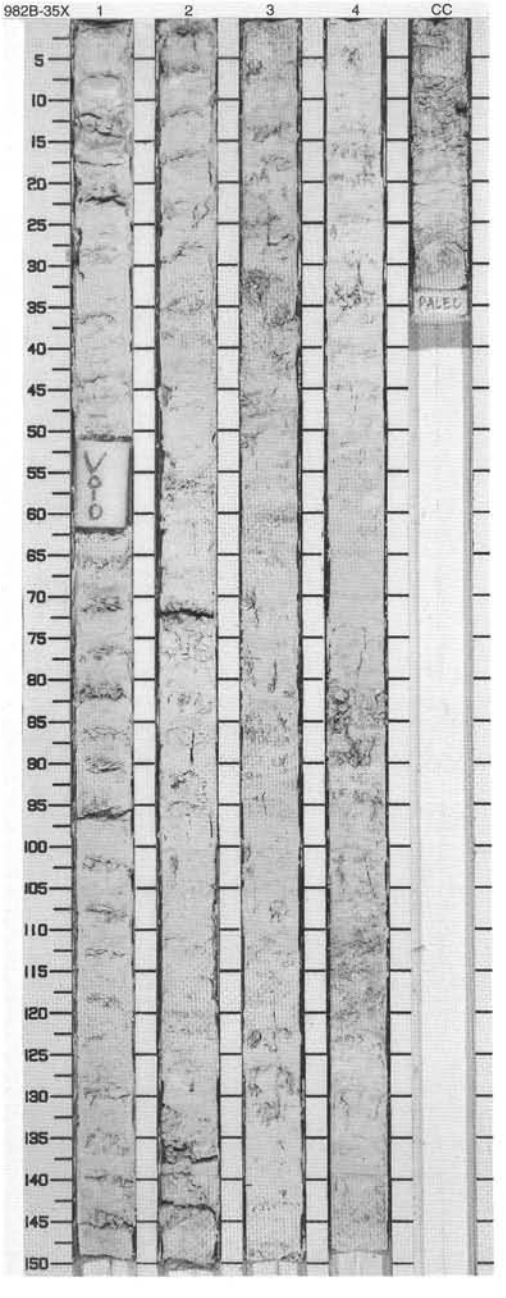
SITE 982 HOLE B CORE 34X CORED 307.1 - 316.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1, 2, 3, 4, 5, 6, CC	late Miocene	P, P		I, S, M	10Y 8/1; 5GY 8/1; 10Y 8/1; 5GY 7/1; 10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains NANNOFOSSIL OOZE which is dominantly very light greenish gray (10Y 8/1), with minor amounts of light greenish gray (5GY 7/1) and very light greenish gray (5GY 8/1). The core is biscuited with moderate amounts of drilling slurry. Disseminated pyrite is present throughout and concentrated in burrows. Minor thin greenish layers are present and commonly associated with pyrite.



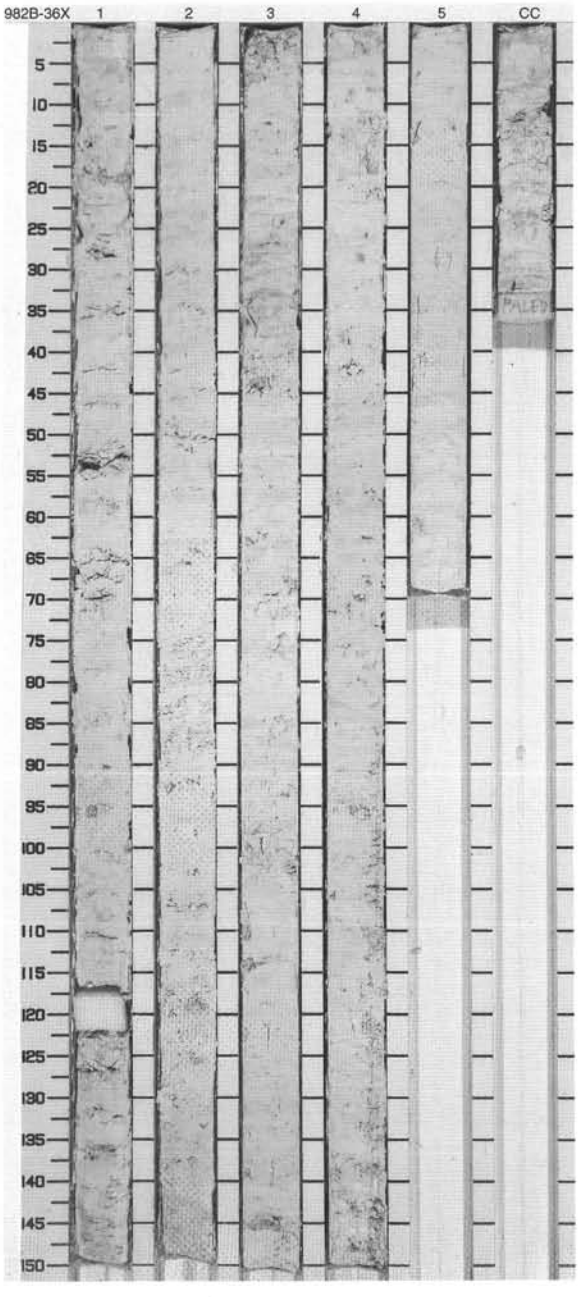
SITE 982 HOLE B CORE 35X CORED 316.7 - 326.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3 4 5 6		1 2 3 4 CC	late Miocene			S M	10Y 3/1	NANNOFOSSIL OOZE General Description: A highly disturbed and biscuited very light greenish gray (10Y 8/1) NANNOFOSSIL OOZE.



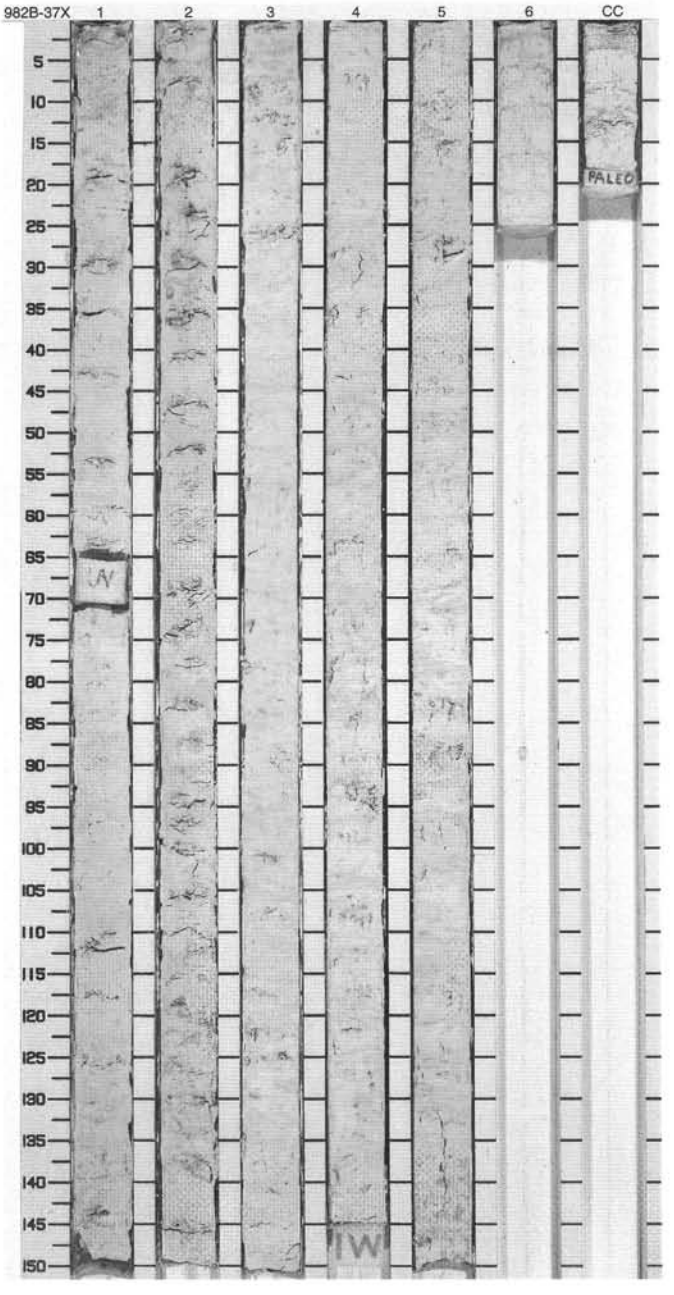
SITE 982 HOLE B CORE 36X CORED 326.3 - 336.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1, 2, 3, 4, 5, CC	late Miocene			M	10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (10Y 8/1) NANNOFOSSIL OOZE. The entire core is very disturbed and biscuited. Some parts are very hard. Disseminated pyrite occurs throughout the entire core. Minor mottles of light greenish gray, gray, and tan occur in all sections.



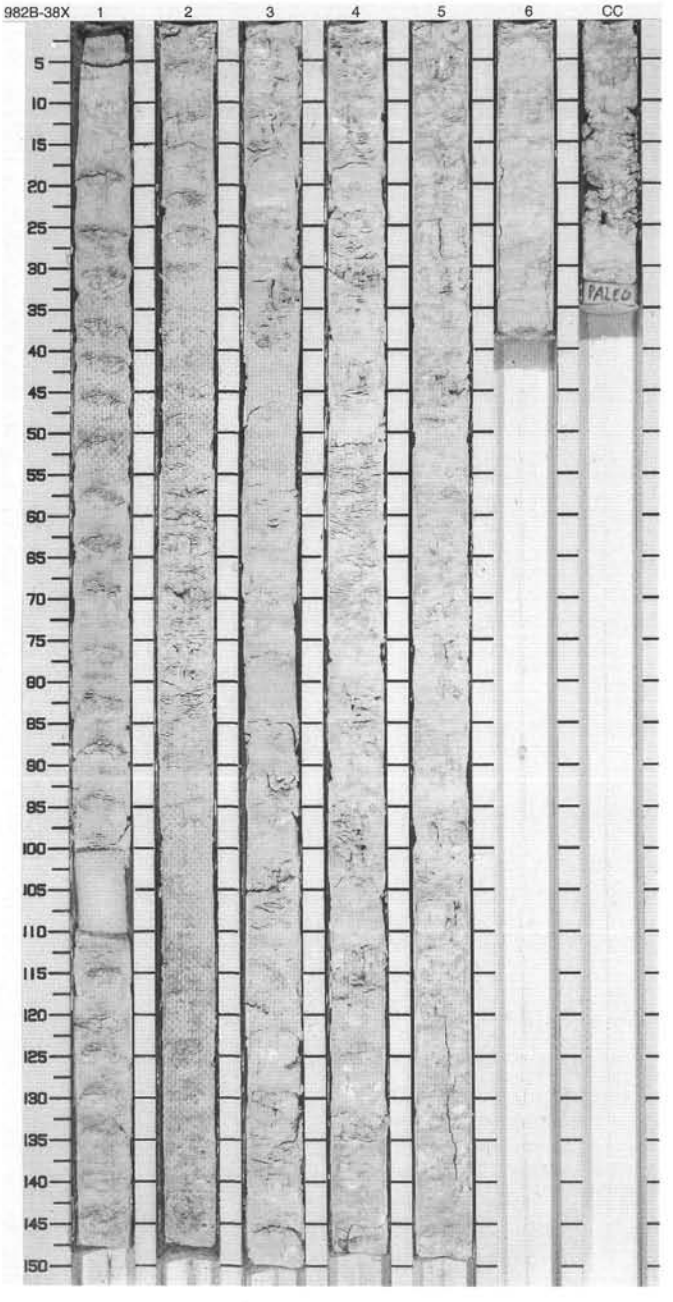
SITE 982 HOLE B CORE 37X CORED 336.0 - 345.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1, 2, 3, 4, 5, 6, CC	late Miocene			S, I, M	10Y 8/1	NANNOFOSSIL OOZE General Description: This is a highly disturbed and biscuited very light greenish gray (10Y 8/1) NANNOFOSSIL OOZE. Greenish gray, gray, and tan mottles are present throughout with some very slight color banding. Pyrite is disseminated throughout. There is a void in Section 1, 61–71 cm.



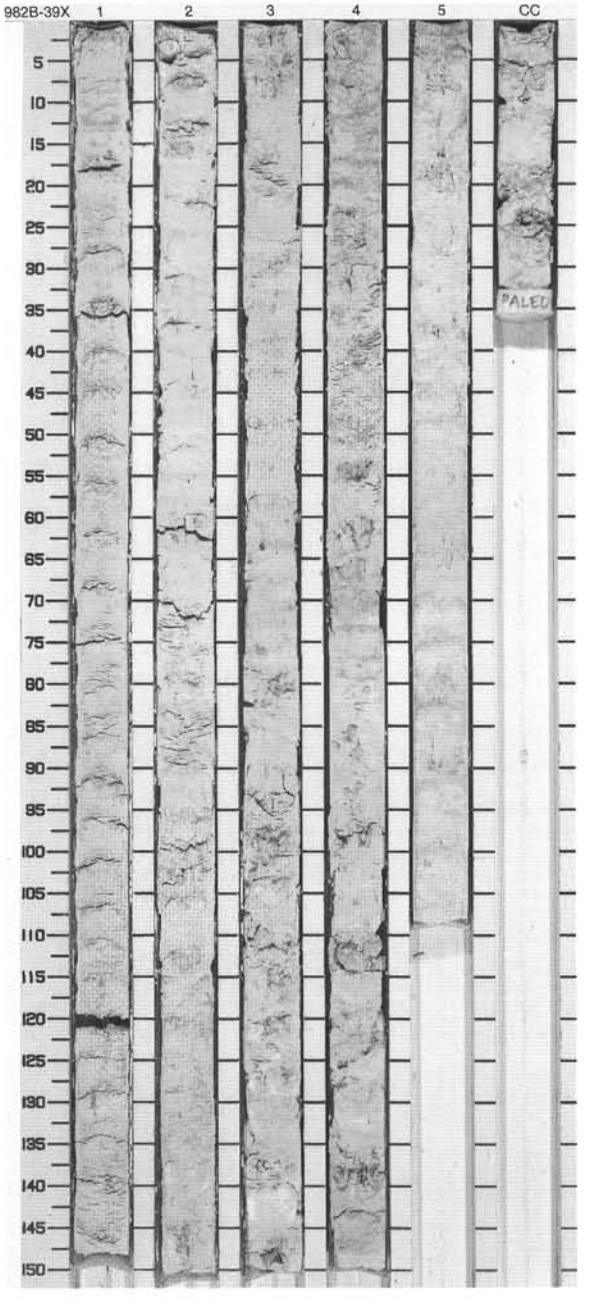
SITE 982 HOLE B CORE 38X CORED 345.6 - 355.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8	Void	1, 2, 3, 4, 5, 6, CC	late Miocene			S, M	10Y 3/1 To 5GY 8/1	NANNOFOSSIL OOZE/CHALK General Description: Highly disturbed and biscuited very light greenish gray (10Y 8/1 to 5GY 8/1) NANNOFOSSIL OOZE AND CHALK.



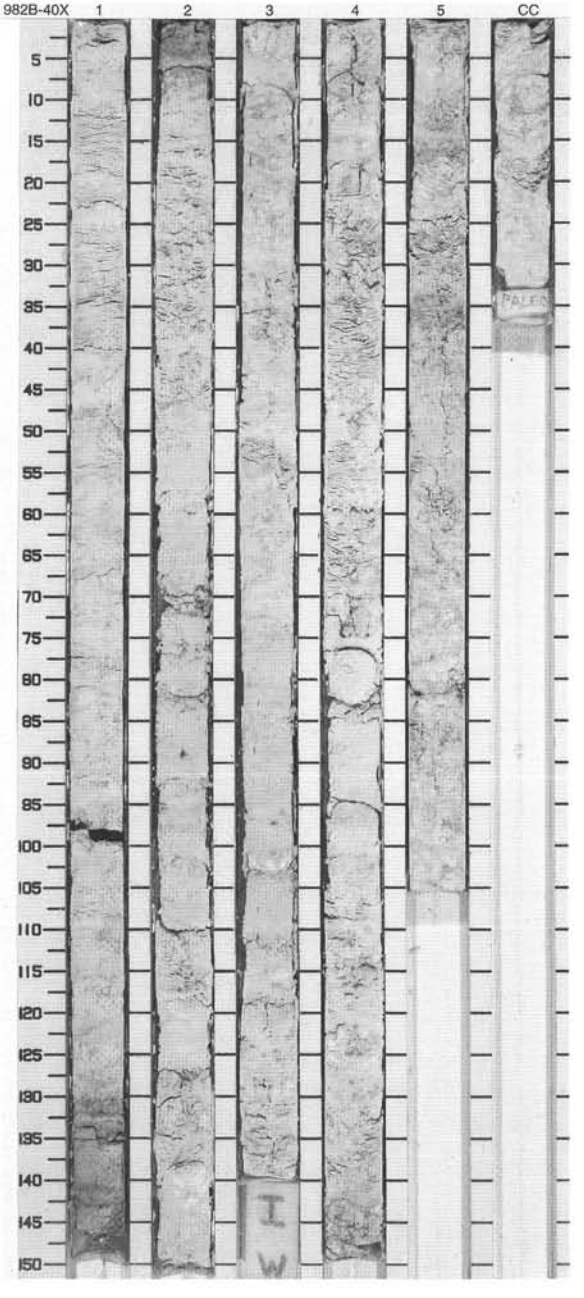
SITE 982 HOLE B CORE 39X CORED 355.2 - 364.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1, 2, 3, 4, 5, CC	late Miocene	P, P		S, M	10Y 8/1 To 5GY 8/1	NANNOFOSSIL OOZE/CHALK General Description: Highly disturbed and biscuited very light greenish gray (10Y 8/1 to 5GY 8/1) NANNOFOSSIL OOZE and CHALK. There are minor color bands and mottles of light greenish gray, gray, and tan. Pyrite is disseminated throughout and is concentrated in burrows.



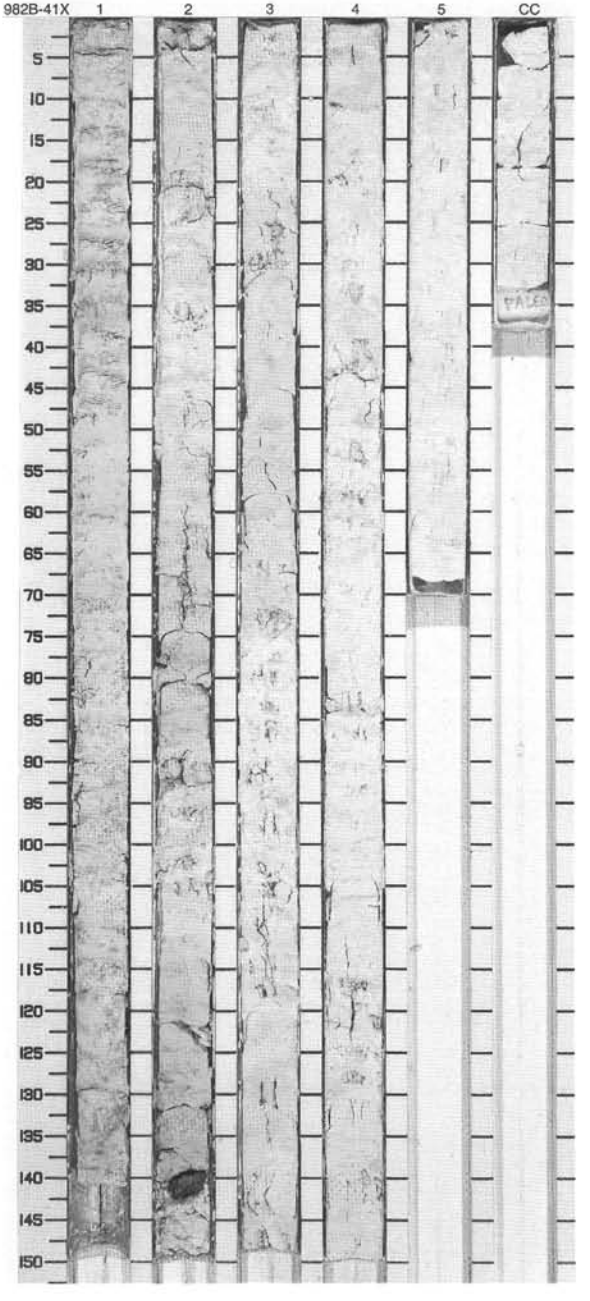
SITE 982 HOLE B CORE 40X CORED 364.9 - 374.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1, 2, 3, 4, 5, CC	late Miocene	A, P		S, S, I, M	10Y 8/1 To 5GY 2/1	NANNOFOSSIL CHALK/OOZE General Description: This cores contains highly disturbed and biscuited very light greenish gray (10Y 8/1 to 5GY 8/1) NANNOFOSSIL OOZE AND CHALK. A disseminated gray (5GY 5/1) ASH layer with disseminated pyrite is present in Section 2, 0–10 cm. Above it are 2 greenish gray color bands. Greenish gray, gray, and tan mottles are present throughout the core.



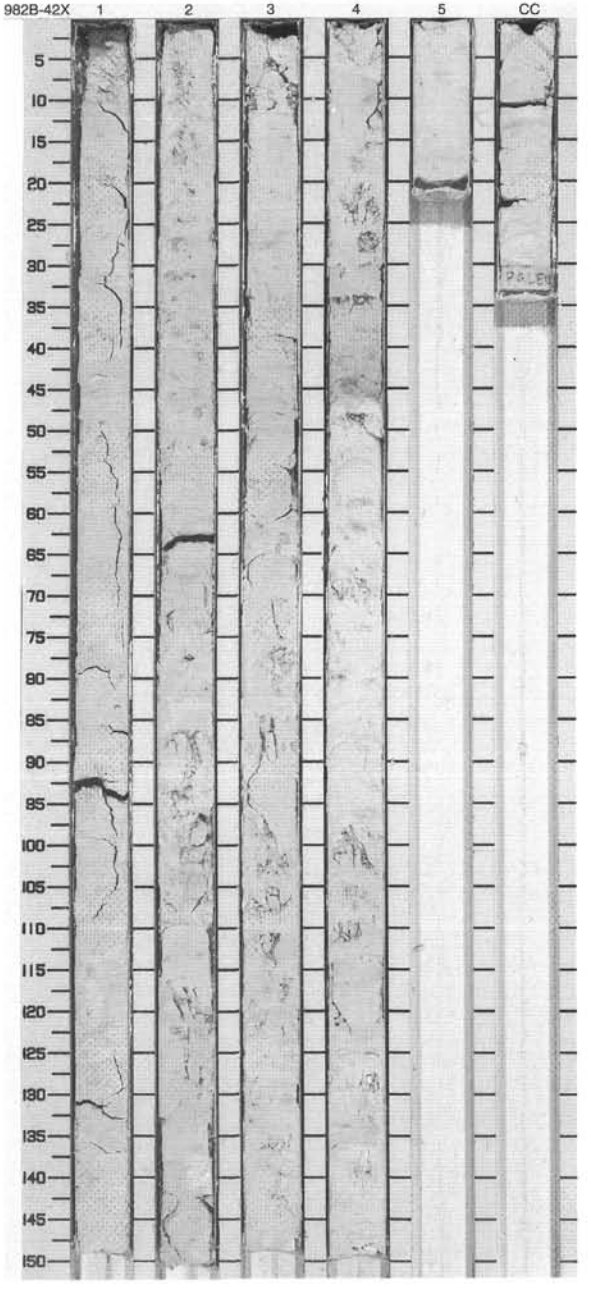
SITE 982 HOLE B CORE 41X CORED 374.5 - 384.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1, 2, 3, 4, 5, CC	middle Miocene–late Miocene	P, P, C, P		S, M	5GY 8/1; 5GY 7/1; 5GY 8/1	NANNOFOSSIL OOZE/CHALK General Description: This core contains light greenish gray (5GY 7/1) to white (10GY 7/1) NANNOFOSSIL OOZE and CHALK. Some minor color bands of light greenish and purple color occur throughout the core. A 4-cm-sized celestite concretion is present at Section 2, 140–144 cm. Pyrite is disseminated in very small blebs and enriched in burrows throughout most of the core. Sections 2 and 3 are highly disturbed and biscuited, and Section 4 is moderately disturbed.



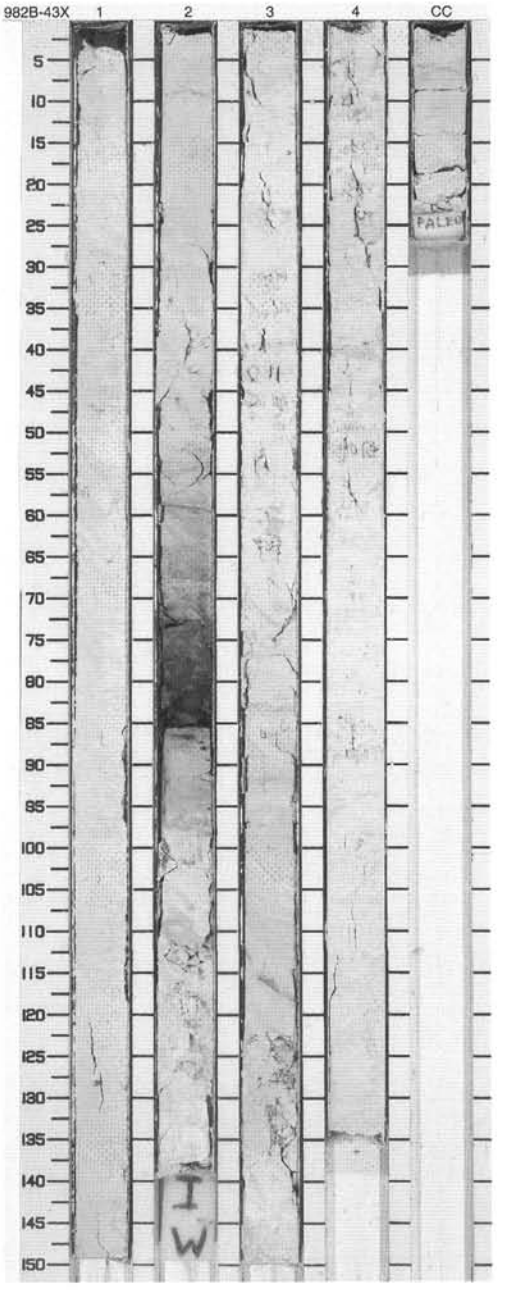
SITE 982 HOLE B CORE 42X CORED 384.1 - 393.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1, 2, 3, 4, 5, CC	middle Miocene			S, M	5GY 8/1; 5GY 7/1; 5GY 8/1	NANNOFOSSIL CHALK/OOZE General Description: This core contains white (5GY 8/1) NANNOFOSSIL CHALK/OOZE. The sediment is moderately to very disturbed throughout. Green color bands occur in Sections 2 and 4. A light greenish gray layer occurs in Section 4, 10–60 cm. Bioturbation is slight throughout.



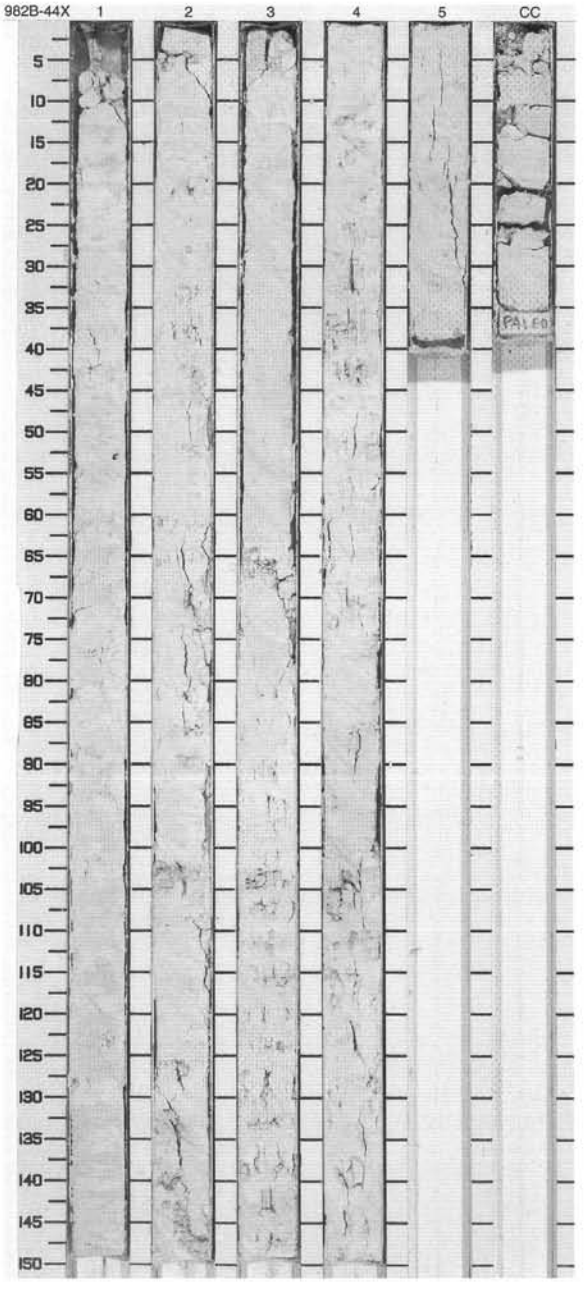
SITE 982 HOLE B CORE 43X CORED 393.8 - 403.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1, 2, 3, 4, CC	middle Miocene	A		I, M	5Y 8/1; N3; 5Y 8/1	NANNOFOSSIL CHALK/OOZE General Description: This core contains white (5Y 8/1) NANNOFOSSIL CHAIK/OOZE. A volcanic ash layer (volcanic ash grains, pyrite, acc. mineral) is present at Section 2, 75–85 cm. This core is highly disturbed except for the uppermost part of Section 1. In Section 3, greenish color bands are present.



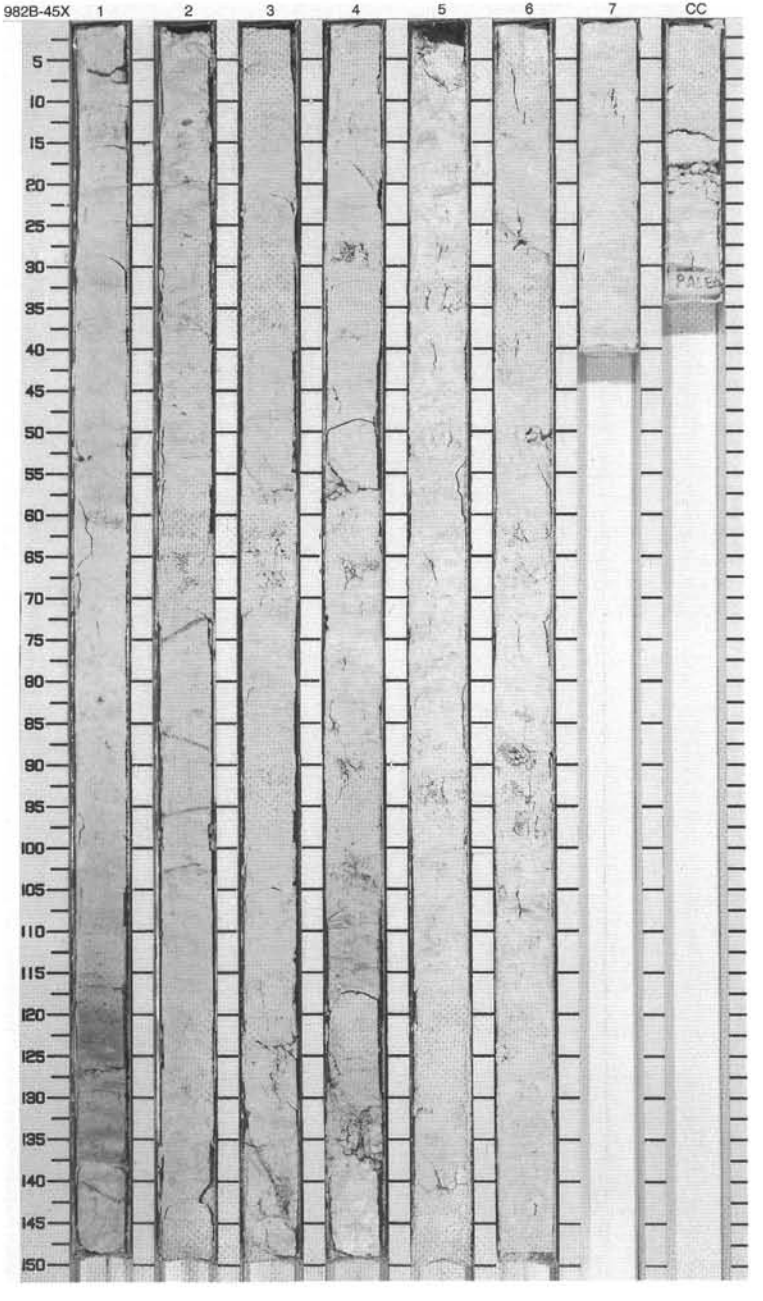
SITE 982 HOLE B CORE 44X CORED 403.4 - 413.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1, 2, 3, 4, 5, CC	middle Miocene	P, P	W	S, M	10Y 8/1	NANNOFOSSIL OOZE/CHALK General Description: This core contains white (10Y 8/1) NANNOFOSSIL OOZE and CHALK. The core is both slightly mottled and slightly bioturbated throughout. Light greenish color bands are present throughout most of the sections. The uppermost 5 cm of the core are missing. Section 2, the lower part of Section 3, and the upper part of Section 4 are very disturbed, and biscuited. The rest of the core is moderately disturbed.



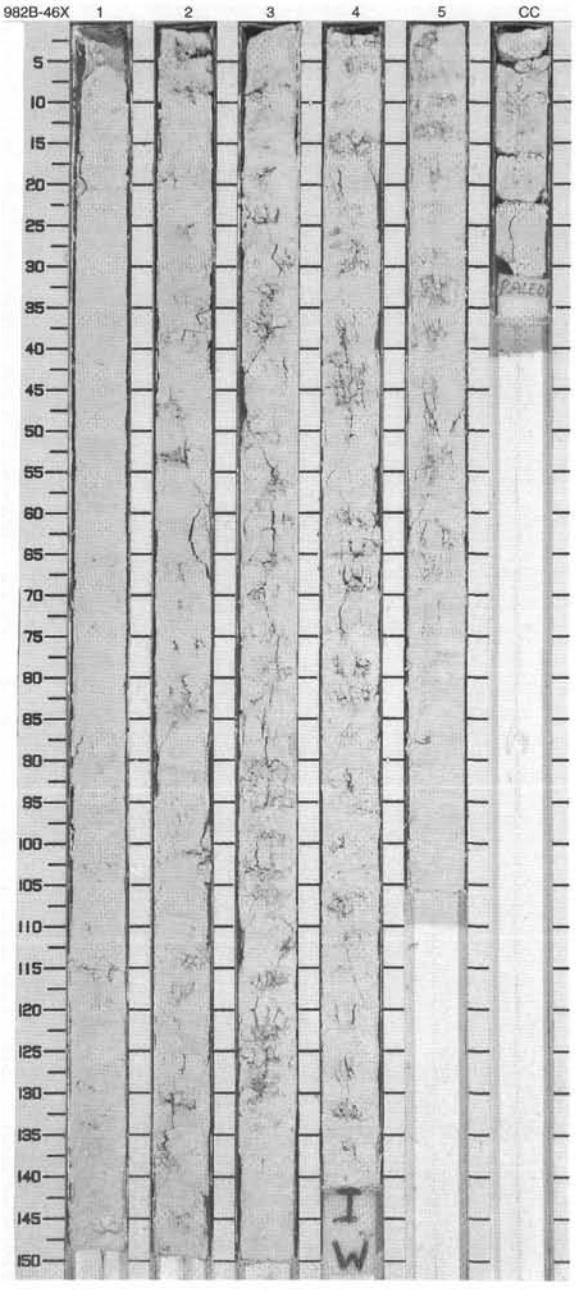
SITE 982 HOLE B CORE 45X CORED 413.0 - 422.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	middle Miocene			M	5Y 7/1 To 5GY 7/1; 5Y 8/1 To 5Y 7/1	NANNOFOSSIL OOZE/CHALK General Description: This core contains light gray to light greenish gray (5Y 7/1 to 5GY 8/1) NANNOFOSSIL OOZE/CHALK. Section 3, 110–118 cm contains greenish gray (5GY 5/1) color bands. *Zoophycus* burrows are present at Section 2, 75, 86, 97, and 104 cm. A dark greenish NANNOFOSSIL OOZE/CHALK WITH CLAY is present in Section 1, 120–135. Section 1, 138 cm includes *Chondrites*. Slight bioturbation occurs throughout the core. This core is moderately to very disturbed.



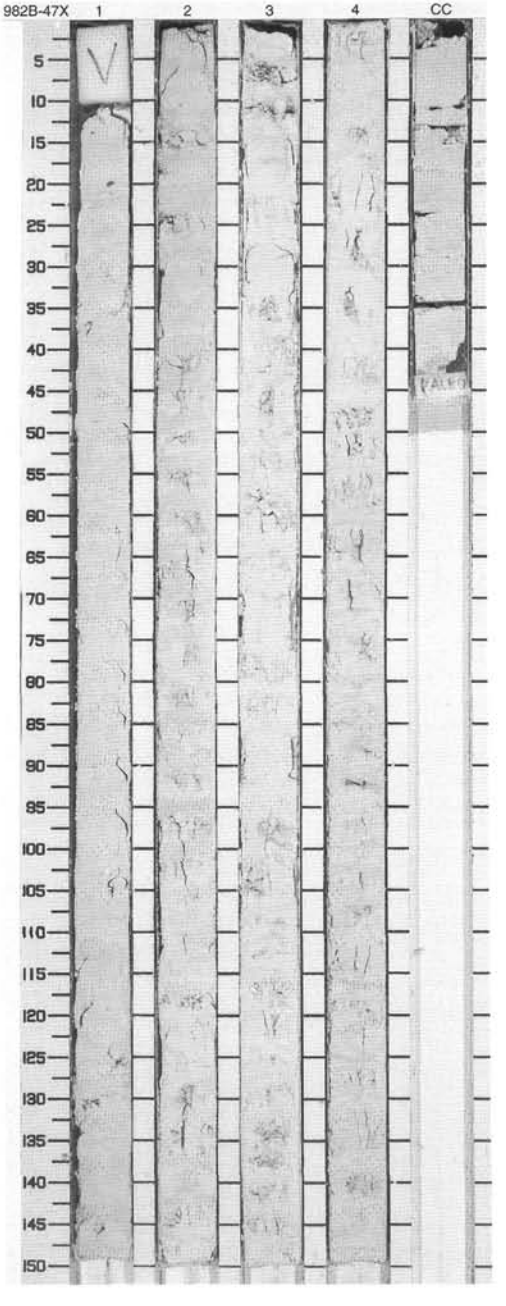
SITE 982 HOLE B CORE 46X CORED 422.6 - 432.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1, 2, 3, 4, 5, CC	middle Miocene			S, I, M	10Y 8/1	NANNOFOSSIL OOZE/CHALK General Description: This core contains highly disturbed and biscuited white (10Y 8/1) NANNOFOSSIL OOZE/CHALK. Very little color variation occurs throughout the core. Some pyrite is disseminated in very small blebs.



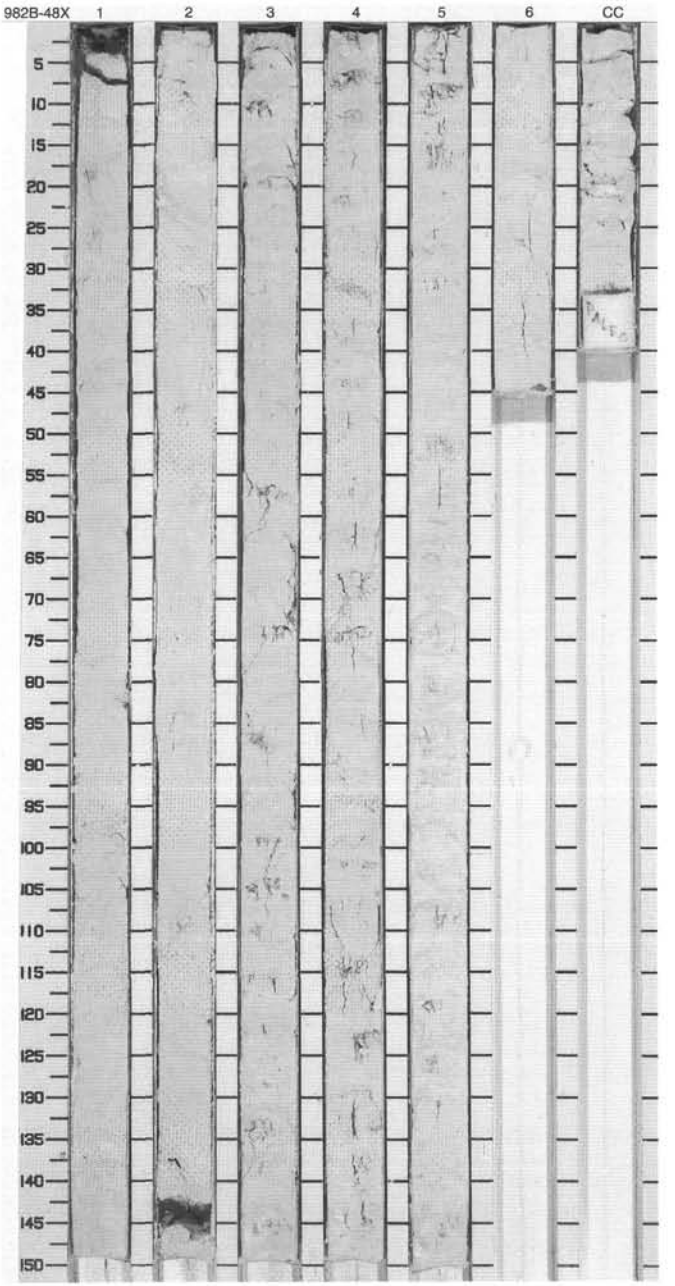
SITE 982 HOLE B CORE 47X CORED 432.2 - 441.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1, 2, 3, 4, CC	middle Miocene	P		S, M	10Y 8/1	NANNOFOSSIL OOZE/CHALK General Description: This core contains highly disturbed and biscuited white (10Y 8/1) NANNOFOSSIL OOZE/CHALK. The core is slightly bioturbated throughout, and with very little color variations. The topmost 11 cm of the core are void.



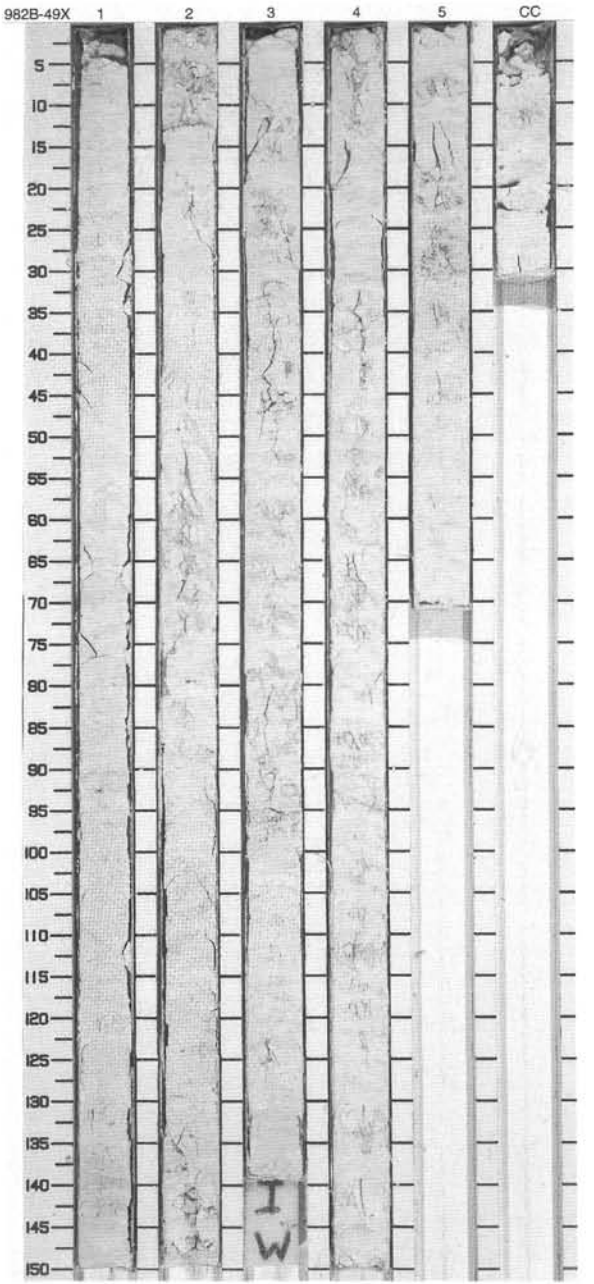
SITE 982 HOLE B CORE 48X CORED 441.8 - 445.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1, 2, 3, 4, 5, 6, CC	middle Miocene	P, P		S, M	5Y 8/1 To 5Y 7/1	NANNOFOSSIL OOZE/CHALK General Description: This core contains white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE/CHALK. Slight bioturbation occurs throughout the core. The upper part of the core is moderately disturbed. The interval from Section 3, 70 cm to the bottom of the core is very disturbed and biscuited. Black spots of disseminated pyrite occur in several layers. Section 1, 0–7 cm, and Section 2, 141–146 cm are void.



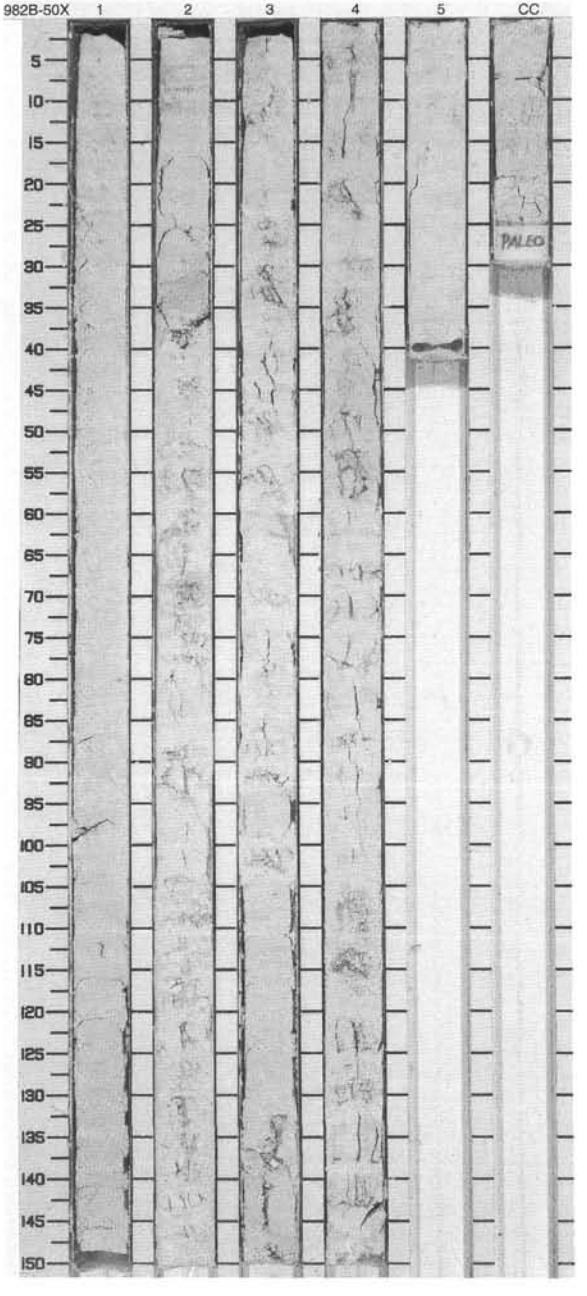
SITE 982 HOLE B CORE 49X CORED 451.4 - 461.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1, 2, 3, 4, 5, CC	middle Miocene			I, M	5Y 8/1 To 5Y 7/1	NANNOFOSSIL OOZE/CHALK General Description: This core contains white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE/CHALK. The core is very disturbed and biscuited throughout. Section 5, 18–34 cm contains faint greenish color bands. Zoophycus burrows are present at Section 1, 61, 92, and 140 cm, at Section 2, 13 cm, and at Section 3, 29, 90, and 130 cm.



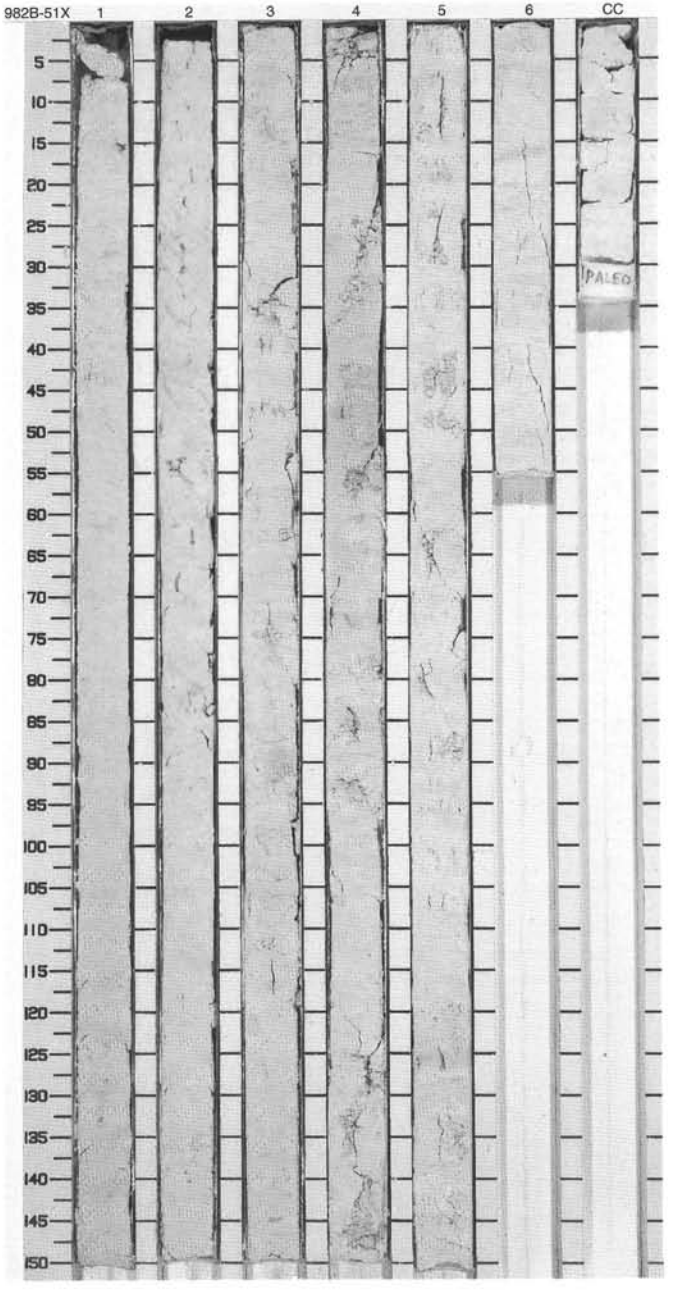
SITE 982 HOLE B CORE 50X CORED 461.0 - 470.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1–5, CC	middle Miocene			M	5GY 7/1; 5Y 7/1 To 5Y 8/1	NANNOFOSSIL OOZE/CHALK General Description: This core contains light greenish gray to white (5GY 7/1 to 5Y 8/1) NANNOFOSSIL OOZE/CHALK. The core is both slightly bioturbated and moderately to highly disturbed throughout. *Zoophycus* trace fossils are present at Section 3, 60 cm, and at Section 4, 68 cm.



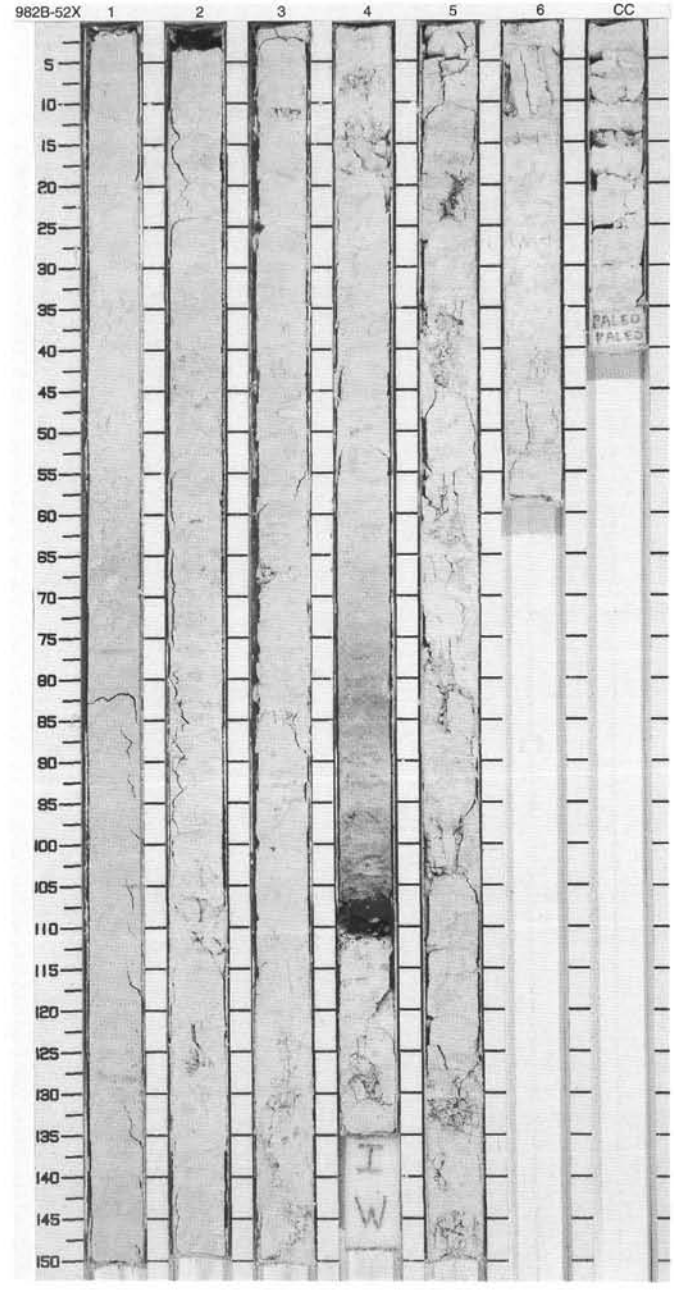
SITE 982 HOLE B CORE 51X CORED 470.6 - 480.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1, 2, 3, 4, 5, 6, CC	middle Miocene	P; P; P		S; S; M	5Y 8/1 To 5Y 7/1	NANNOFOSSIL OOZE/CHALK General Description: This core contains white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE/CHALK. Slight bioturbation and moderate core disturbance occur throughout. *Zoophycus* trace fossils are present at Section 4, 5, and 42–44 cm, and at Section 6, 20 cm.



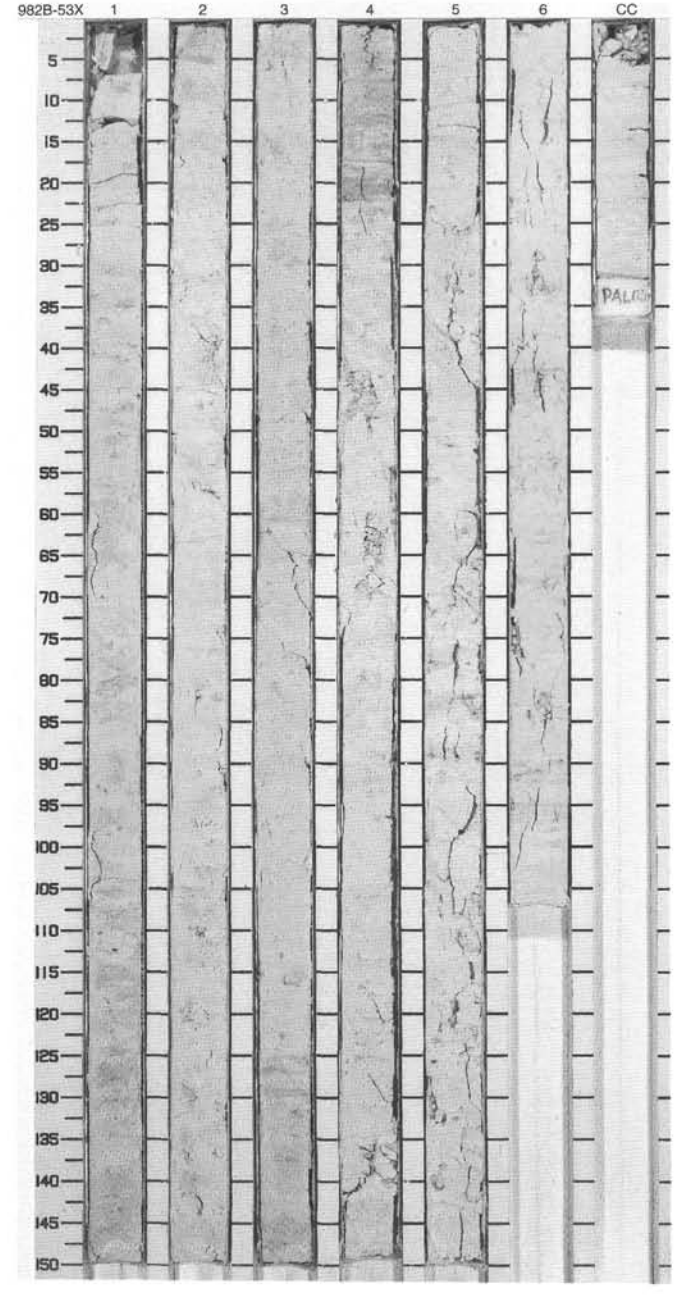
SITE 982 HOLE B CORE 52X CORED 480.2 - 489.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1	middle Miocene			S	5Y 7/1	NANNOFOSSIL CHALK General Description: This core contains light gray to white (5Y 7/1 to 5Y 8/1) NANNOFOSSIL CHALK. A black (N/3) volcanic ash layer occurs at Section 4, 106–110 cm. This ash layer has a sharp base and a gradational contact with the overlying sediment. Slight bioturbation occurs throughout the core.
		2						
		3					5Y 7/1 To 5Y 8/1	
		4		A			N3/1	
		5				I	5Y 7/1 To 5Y 8/1	
		6						
		CC				M		



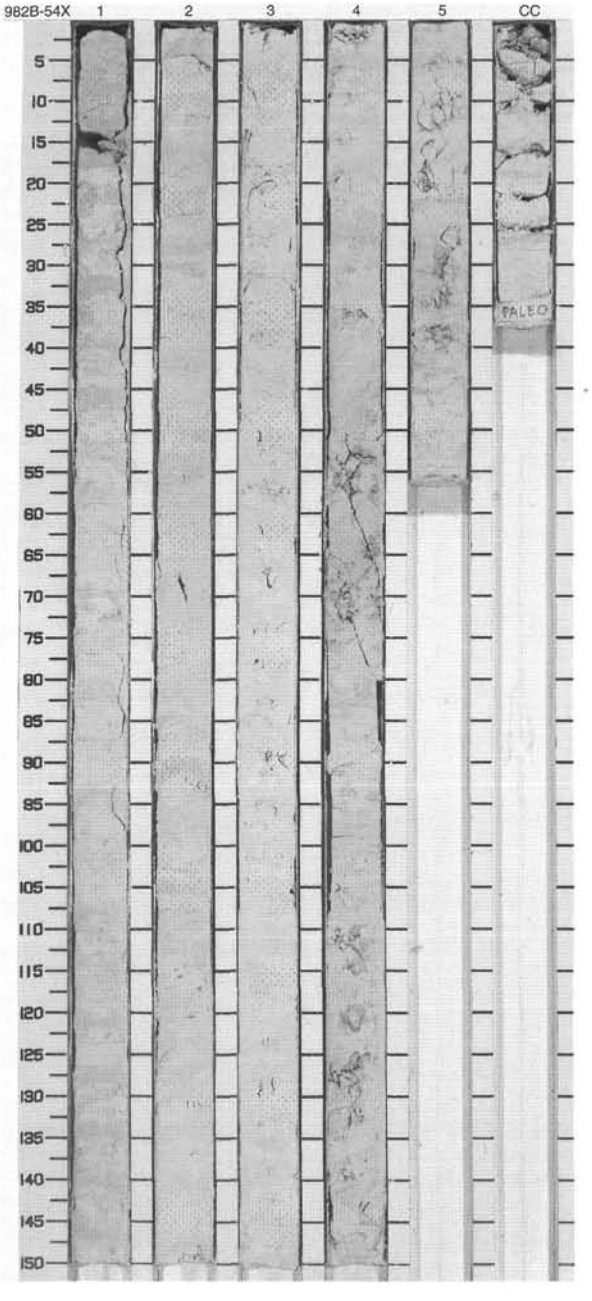
SITE 982 HOLE B CORE 53X CORED 489.7 - 499.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1, 2, 3, 4, 5, 6, CC	middle Miocene	P, P, P, P, P		S, M	5GY 8/1; 5GY 7/1; 5GY 8/1	NANNOFOSSIL CHALK General Description: This core contains highly disturbed and biscuited white (5GY 8/1) NANNOFOSSIL CHALK. Only very small color changes occur throughout but light greenish bands are present in all sections. Pyrite is disseminated in very small blebs in Sections 3, 5, and 6. A heavily bioturbated light greenish interval occurs in the uppermost part of Section 4. The slight color change is due to an increase in the amount of pyrite.



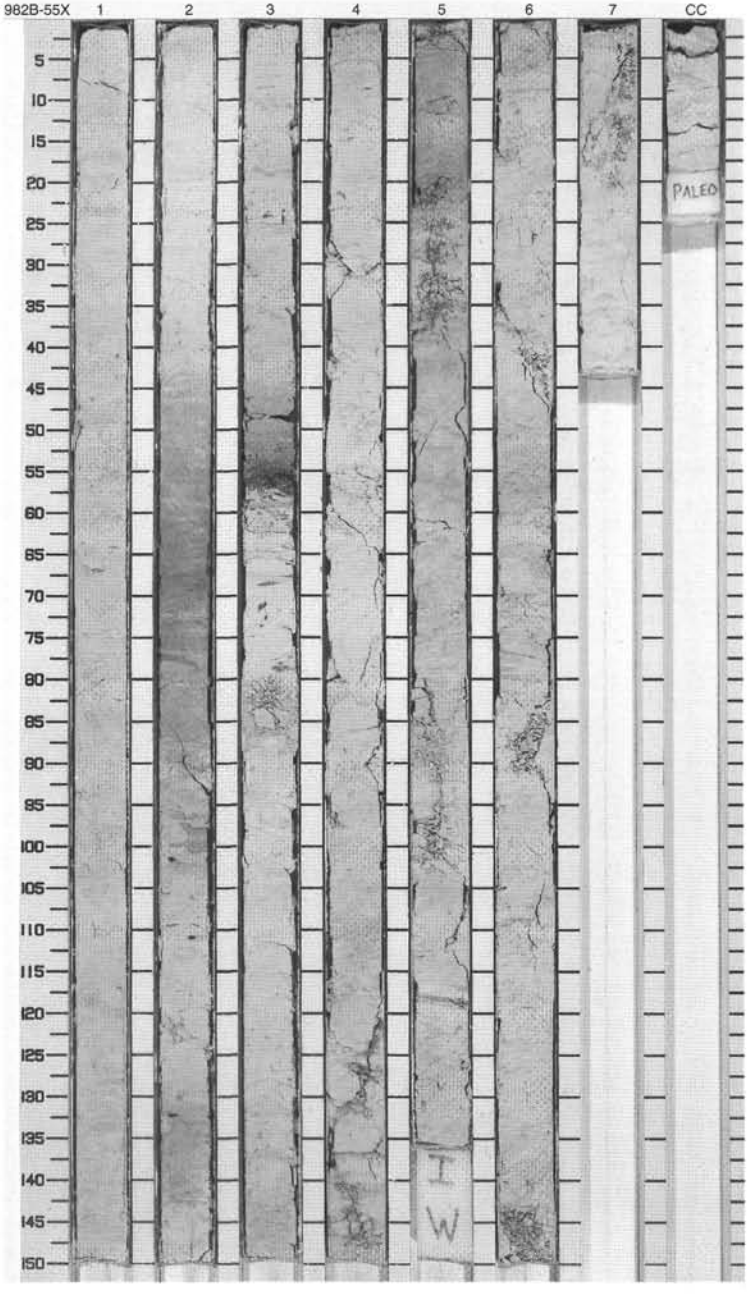
SITE 982 HOLE B CORE 54X CORED 499.3 - 508.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1, 2, 3, 4, 5, CC	middle Miocene			M	5GY 8/1	NANNOFOSSIL CHALK General Description: This core contains white (5Y 8/1) NANNOFOSSIL CHALK. The sediment is moderately to very disturbed by coring, and forms 4–7 cm drilling biscuits. Green and black color bands occur in all sections. Slight to moderate bioturbation occurs throughout. A darker, slightly clayey, layer with a sharp lower contact in Section CC, 27 cm, occurs below a *Zoophycos* trace.



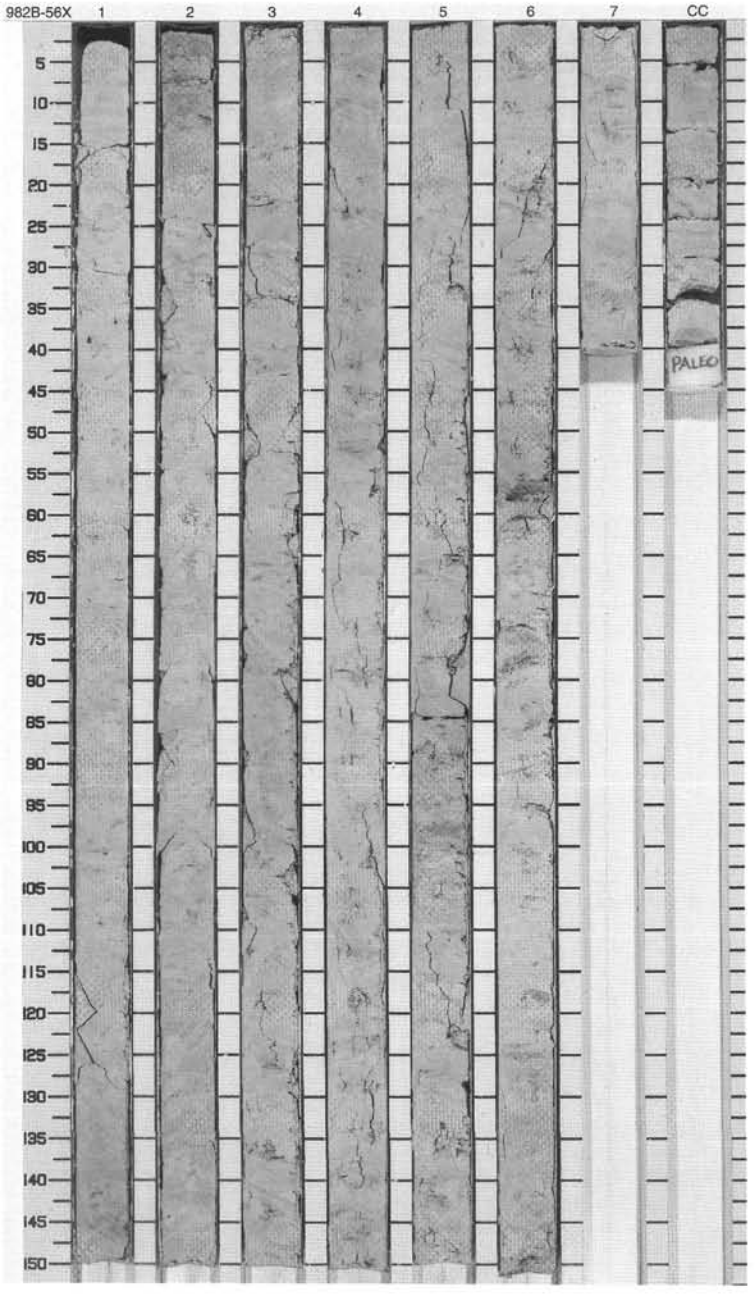
SITE 982 HOLE B CORE 55X CORED 508.9 - 518.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	middle Miocene				5GY 8/1	NANNOFOSSIL CHALK and NANNOFOSSIL CHALK WITH SPICULES AND FORAMINIFERS General Description: This core contains white (5GY 8/1) NANNOFOSSIL CHALK, which alternates with 50-cm-thick layers of light gray (5Y 6/1) NANNOFOSSIL CHALK WITH SPICULES AND FORAMINIFERS. The sediment is moderately to very disturbed by coring, and forms 4–7 cm drilling biscuits. Green and black color bands occur in all sections. Slight to moderate bioturbation occurs throughout, and the darker layers are very bioturbated.
		2				S	5Y 6/1	
							5GY 8/1	
		3				S	5Y 6/1	
		4					5GY 8/1	
							5Y 6/1	
		5				I	5GY 8/1	
		6						
		7				M		
		CC						



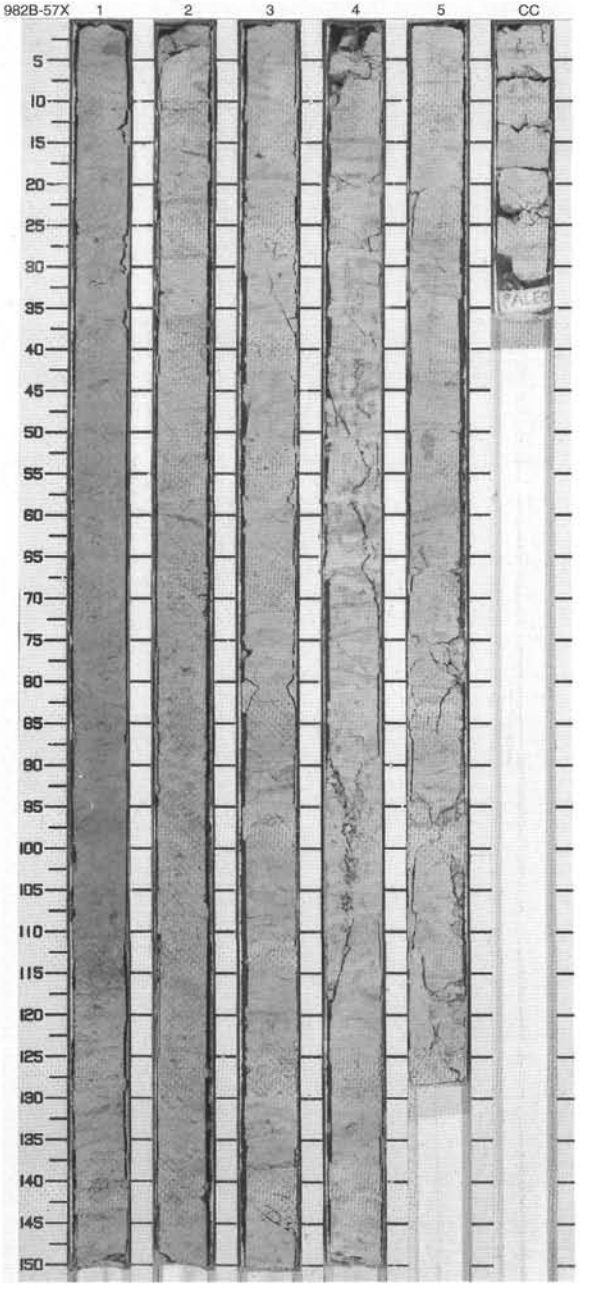
SITE 982 HOLE B CORE 56X CORED 518.5 - 528.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Miocene–middle Miocene	P, P, P, (P), P, P, P, P, P	wavy	S, S, M	5GY 7/1, 5GY 8/1	NANNOFOSSIL CHALK General Description: This core contains light gray to white (5GY 7/1 to 5GY 8/1) NANNOFOSSIL CHALK. Only very small color changes occur throughout. Light greenish and purple color bands are present throughout. Pyrite is disseminated in very small blebs in all sections. A dark pyrite-rich layer with a sharp bottom contact and a gradational top occurs at Section 6, 55–58 cm. The sediment is moderately to very disturbed, and biscuited by coring. Slight to moderate bioturbation occur in all sections.



SITE 982 HOLE B CORE 57X CORED 528.1 - 537.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1, 2, 3, 4, 5, CC	early Miocene	P		S, M	5GY 6/1 To 5GY 7/1	NANNOFOSSIL CHALK General Description: This core contains greenish gray (5GY 6/1) to light greenish gray (5GY 7/1) NANNOFOSSIL CHALK. Entire core contains numerous darker 0.5-cm-wide horizontal *Zoophycus* burrows and some *Planolites* burrows with halos. The uppermost part of the core, Section 1, 0–100 cm, is biscuited. The rest of the core exhibits fracturing due to coring disturbance. Color changes are gradual. Very faint, finely disseminated pyrite is dispersed throughout core. A thin dark horizontal burrow is situated in Section 4, 51–54 cm.

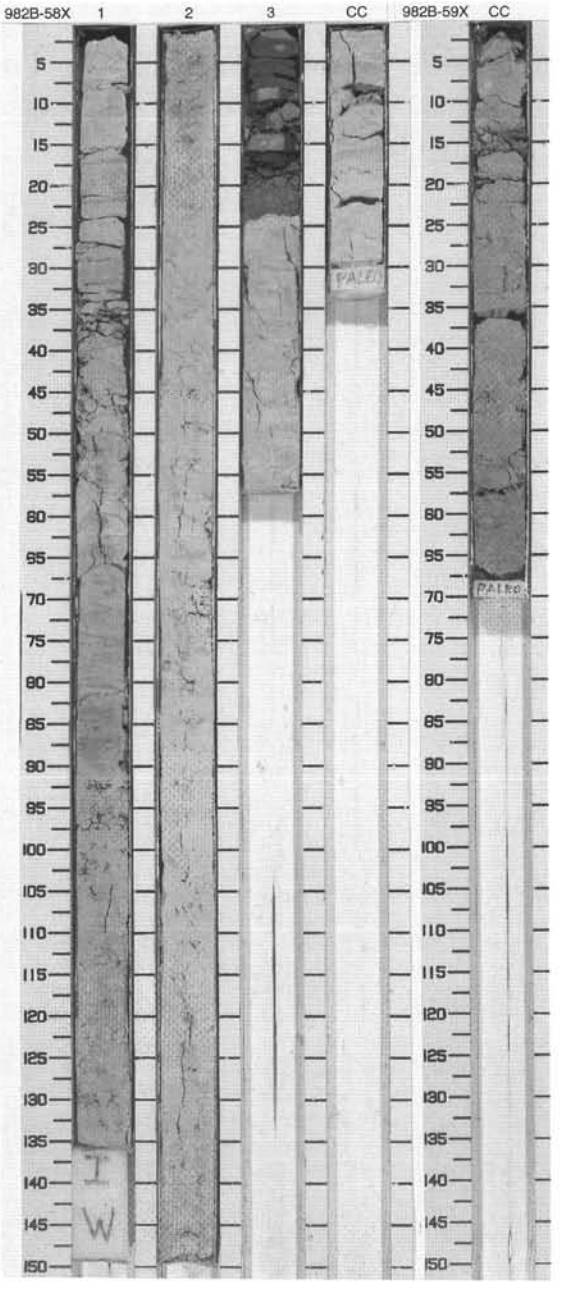


SITE 982 HOLE B CORE 58X CORED 537.7 - 547.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–3		1, 2, 3, CC	early Miocene			I, S, T	10Y 7/1 To 10Y 8/1; 10Y 4/1; 10Y 8/1	NANNOFOSSIL CHALK General Description: This core contains very light greenish gray (10Y 8/1) to light greenish gray (10Y 7/1) NANNOFOSSIL CHALK. Drilling biscuits occur in Section 1, 90–135 cm. Two layers of indurated dark greenish gray (10Y 4/1) FORAMINIFERAL OOZE, medium-grained are situated in Section 3, 0–25 cm. Both dark layers are broken into a series of rounded horizontal chunks. These chunks are very hard and are dominated by foraminifers cemented with silica. Many of the foraminifers are partially or completely replaced by glauconite. Minor amounts aponge spicules, quartz and feldspar are also present. The top-most chunk shows a sharp color contact between dark greenish gray (10Y 4/1) and very light greenish gray (10Y 8/1). Two lighter layers are less indurated and essentially similar in composition except for the presence of more light mineral grains. The interval is possibly a siliceously cemented turbidite deposit.

SITE 982 HOLE B CORE 59X CORED 547.4 - 557.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC	early Miocene			S	5Y 6/1	NANNOFOSSIL CHALK General Description: This core contains gray (5Y 6/1) NANNOFOSSIL CHALK. Entire core is biscuited with a highly fractured interval between 12 and 20 cm. Sediment is homogeneous except for a slightly bioturbated interval below 60 cm to the end of core.

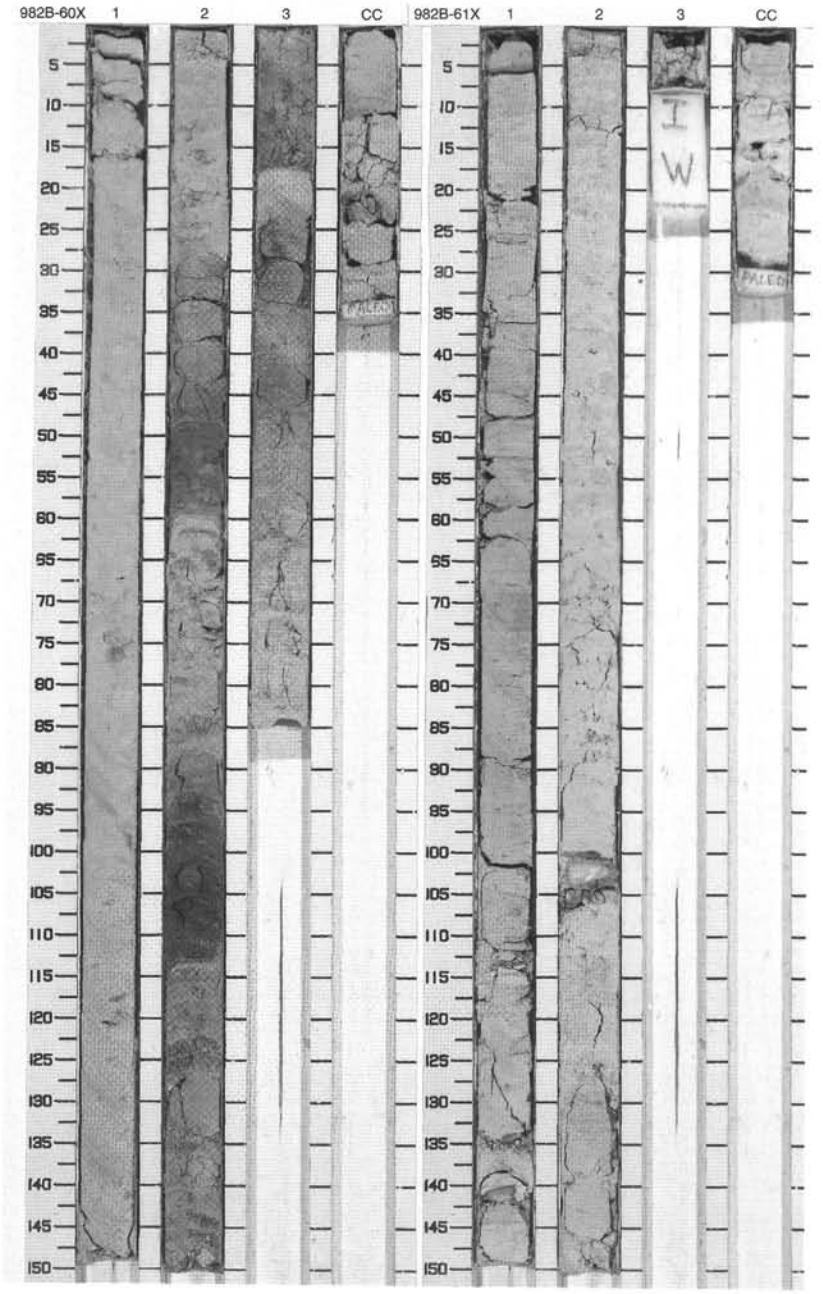


SITE 982 HOLE B CORE 60X CORED 557.0 - 566.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–4		1, 2, 3, CC	early Miocene	P		S, M	5GY 7/1; 5Y 4/1; 5GY 7/1; 5Y 4/1; 5GY 7/1	NANNOFOSSIL CHALK General Description: This core contains very hard light greenish gray (5GY 7/1) and dark gray (5Y 4/1) NANNOFOSSIL CHALK. Core is fractured by drilling in its uppermost part, then, biscuited down to 30 cm in Section 2. Small pyritized inclusions are present in the Core Catcher between 3 and 20 cm.

SITE 982 HOLE B CORE 61X CORED 566.7 - 576.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–3		1, 2, 3, CC	early Miocene	Ch, Ch, Ch		S, I, M	5Y 6/1 To 10Y 8/1	NANNOFOSSIL CHALK General Description: This core contains very light greenish gray (10Y 8/1) to gray (5Y 6/1) NANNOFOSSIL CHALK. The entire core is moderately fractured due to coring disturbance. Color changes are gradational. Section 2 is slightly bioturbated throughout. Section 3 is highly disturbed and Core Catcher is biscuited. Chert nodules are situated at Section 1, 134–136, and 140–143 cm. A chert layer is situated in Section 2, 100–107 cm.



SITE 982 HOLE B CORE 62X CORED 576.4 - 586.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	early Miocene		V V V	S	5Y 7/1	NANNOFOSSIL CHALK
		CC				M		General Description: This core is composed of very hard light gray (5Y7/1) NANNOFOSSIL CHALK which is fractured below 28 cm. The entire core is bioturbated throughout. The Core Catcher is softer and shows evidence of deformed banding.

SITE 982 HOLE B CORE 63X CORED 586.0 - 595.6 mbsf

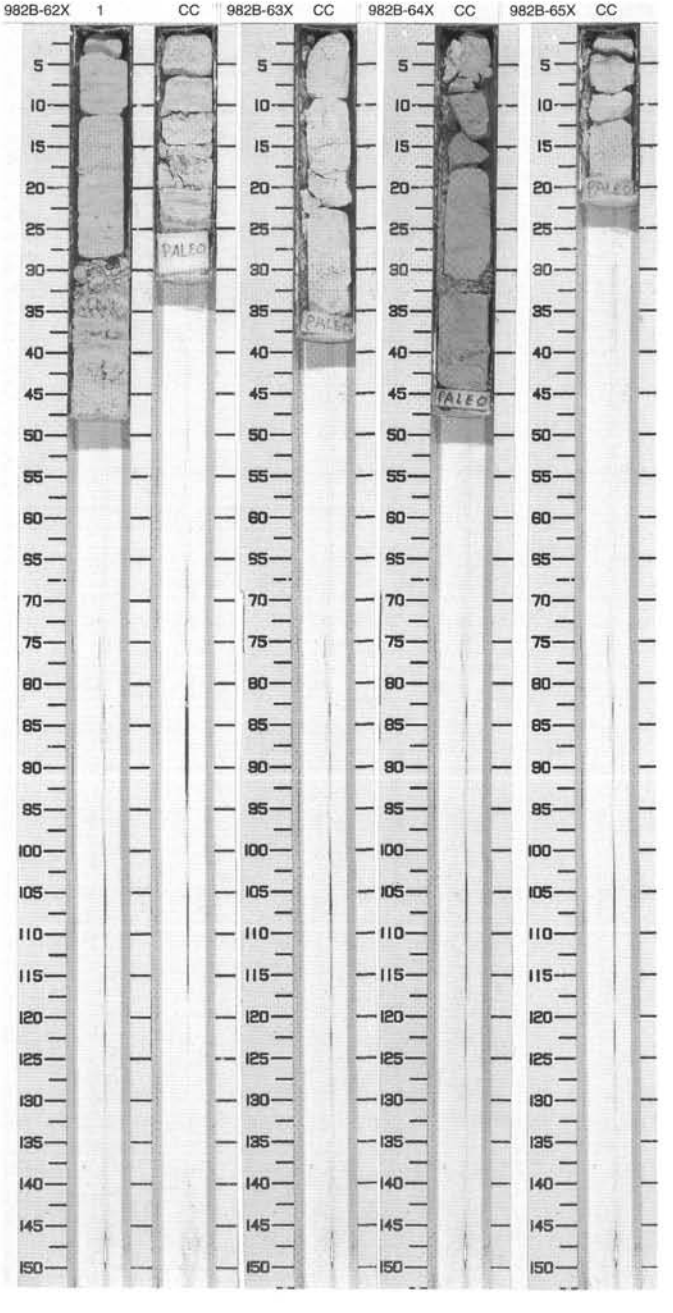
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC	early Miocene	≀	≀	S	5Y 8/1	NANNOFOSSIL CHALK
								General Description: This core contains hard white (5Y 8/1) and moderately bioturbated NANNOFOSSIL CHALK. Some light green veins are present at 15 and 19 cm.

SITE 982 HOLE B CORE 64X CORED 595.6 - 605.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC	early Miocene	≀≀	⊢⊢	S	10Y 7/1	NANNOFOSSIL CHALK
								General Description: This core contains light greenish gray (10Y 7/1) NANNOFOSSIL CHALK. Entire core is bioturbated throughout. Fine black grains are scattered throughout.

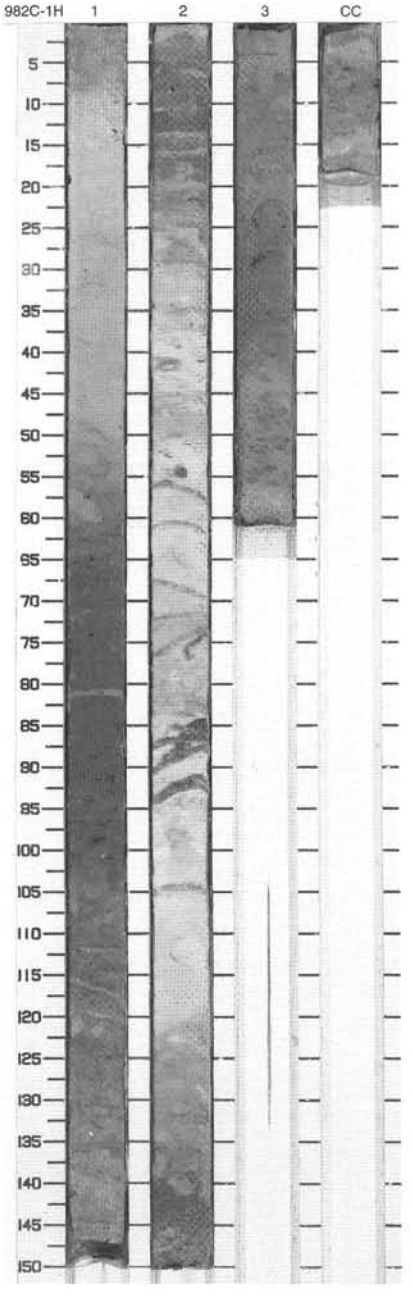
SITE 982 HOLE B CORE 65X CORED 605.3 - 614.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC				S		NANNOFOSSIL CHALK
								General Description: This core contains fractured white (5Y 8/1) NANNOFOSSIL CHALK. Entire core is moderately bioturbated.



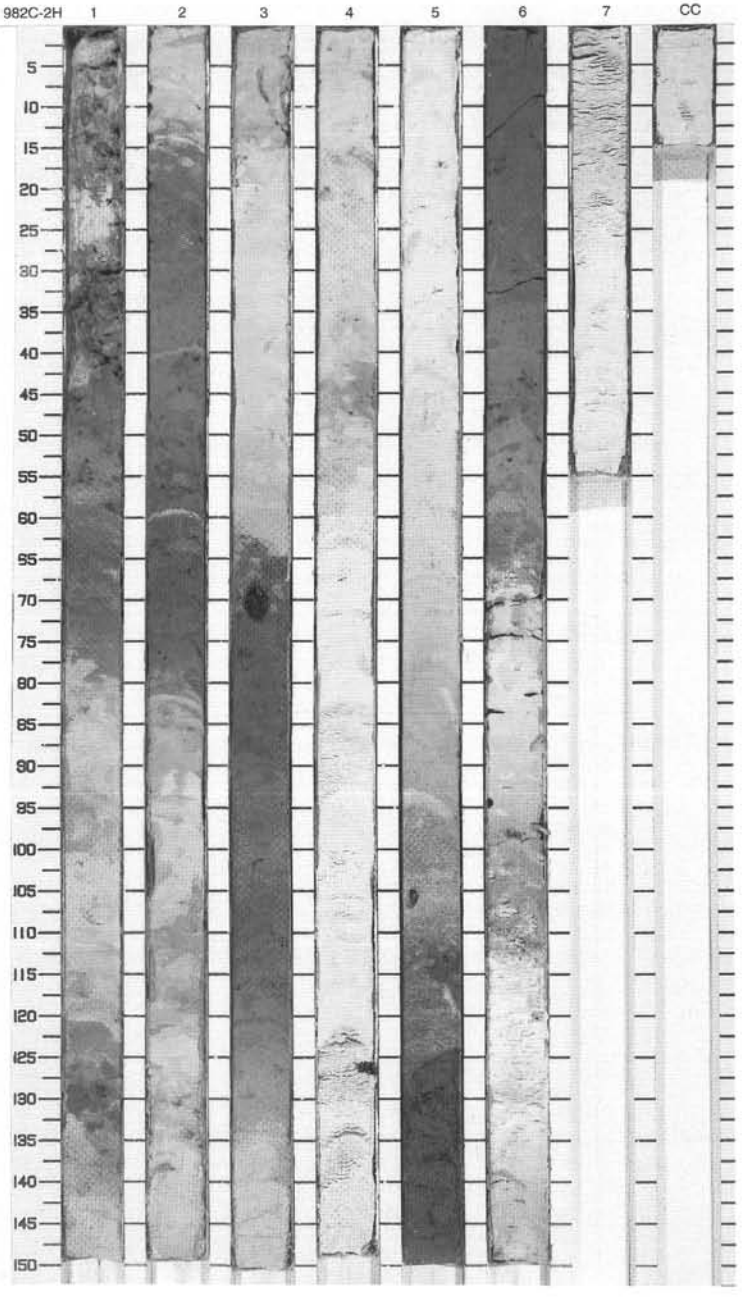
SITE 982 HOLE C CORE 1H CORED 0.0 - 3.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	P		S	5Y 6/1	NANNOFOSSIL OOZE WITH FORAMINIFERS and SILTY CLAY WITH NANNOFOSSILS General Description: This core contains gray (5Y 6/1) and very light brown (10YR 8/2) NANNOFOSSIL OOZE WITH FORAMINIFERS alternating with brown (10YR 5/3) to dark gray (5Y 4/1) SILTY CLAY WITH NANNOFOSSILS. Sediment is soft, moist, and slightly bioturbated throughout. Color changes are gradational. *Zoophycus* burrows and color mottles occur in Sections 1 and 2.
							5Y 4/1	
2		2					10YR 5/3	
							10YR 8/2	
3		3					10YR 5/3	
		CC						



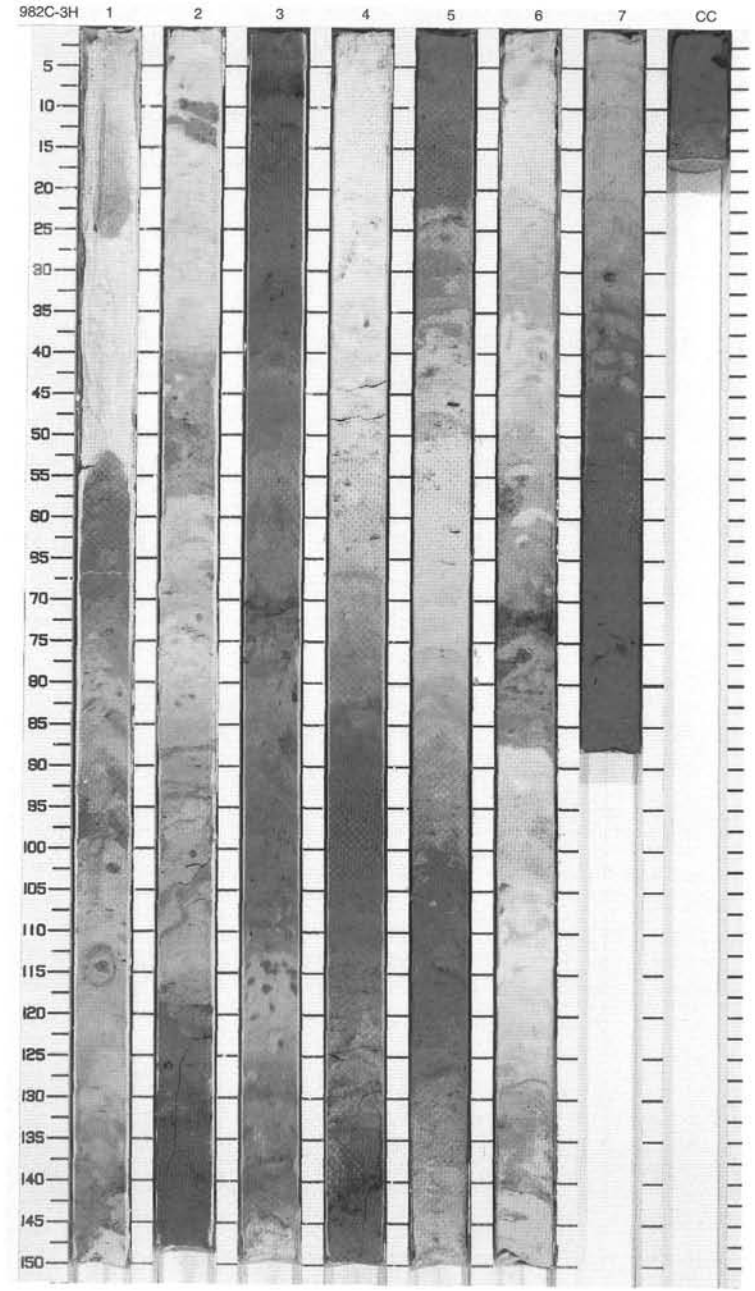
SITE 982 HOLE C CORE 2H CORED 3.8 - 13.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pleistocene		○○○		2.5Y 5/2	NANNOFOSSIL OOZE and SILTY CLAY WITH NANNOFOSSILS General Description: This core contains light gray (5Y 7/1) and gray (5Y 5/1) NANNOFOSSIL OOZE alternating with dark grayish brown (2.5Y 4/2) SILTY CLAY WITH NANNOFOSSILS. *Zoophycus* burrows occur in Section 2. *Chondrites*-like burrows occur in Section 5, 70–120 cm. Core is color mottled throughout. A gneiss 4-cm-long dropstone is situated in Section 3, 67 cm. A black igneous 1.3-cm-long dropstone is present at 126 cm in Section 5.
							5Y 7/1	
		2		⋙			2.5Y 5/2	
				⋙			5Y 7/1	
		3		◇		S	5Y 5/1	
		4		P	— — —		5Y 7/1	
		5		◇			2.5Y 5/2	
		6			— — — — — —		5Y 7/1	
		7				M		
		CC						



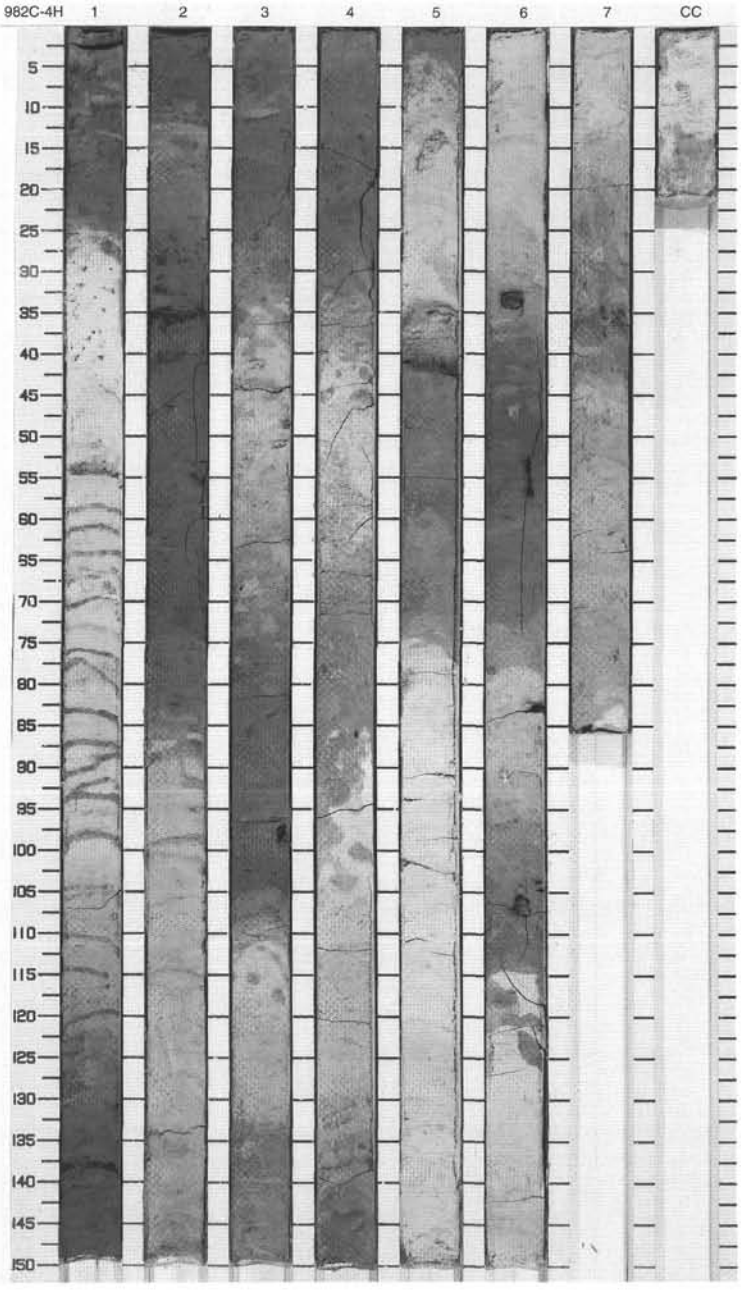
SITE 982 HOLE C CORE 3H CORED 13.3 - 22.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	Pleistocene				5Y 8/1	NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL MIXED SEDIMENT General Description: This core contains white (5Y 8/1) to gray (5Y 5/1) NANNOFOSSIL OOZE alternating with dark greenish gray (10Y 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT. Coarser ooze layers are softer than the clayey ones. Colors change commonly before grain size. Some clayey silt with sand layers are situated in Section 3, 70–73 cm, and in Section 4, 110–115 cm. A coarser NANNOFOSSIL OOZE WITH FORAMINIFERS AND CLAY layer is situated between Section 3, 10 cm and Section 2, 115 cm. *Chondrites* burrows are present in Section 5, 80–128 cm and Section 7, 36–60 cm. A tan, irregular 1-cm-long chert dropstone is situated at Section 7, 30 cm.
							10Y 4/1 To 5Y 5/1	
		2					5Y 8/1	
		3				S	10Y 4/1	
							5Y 5/1	
		4					5Y 8/1	
							5Y 5/1	
		5					5Y 8/1	
							5Y 5/1	
		6					5Y 8/1	
		7		P		M		
		CC						



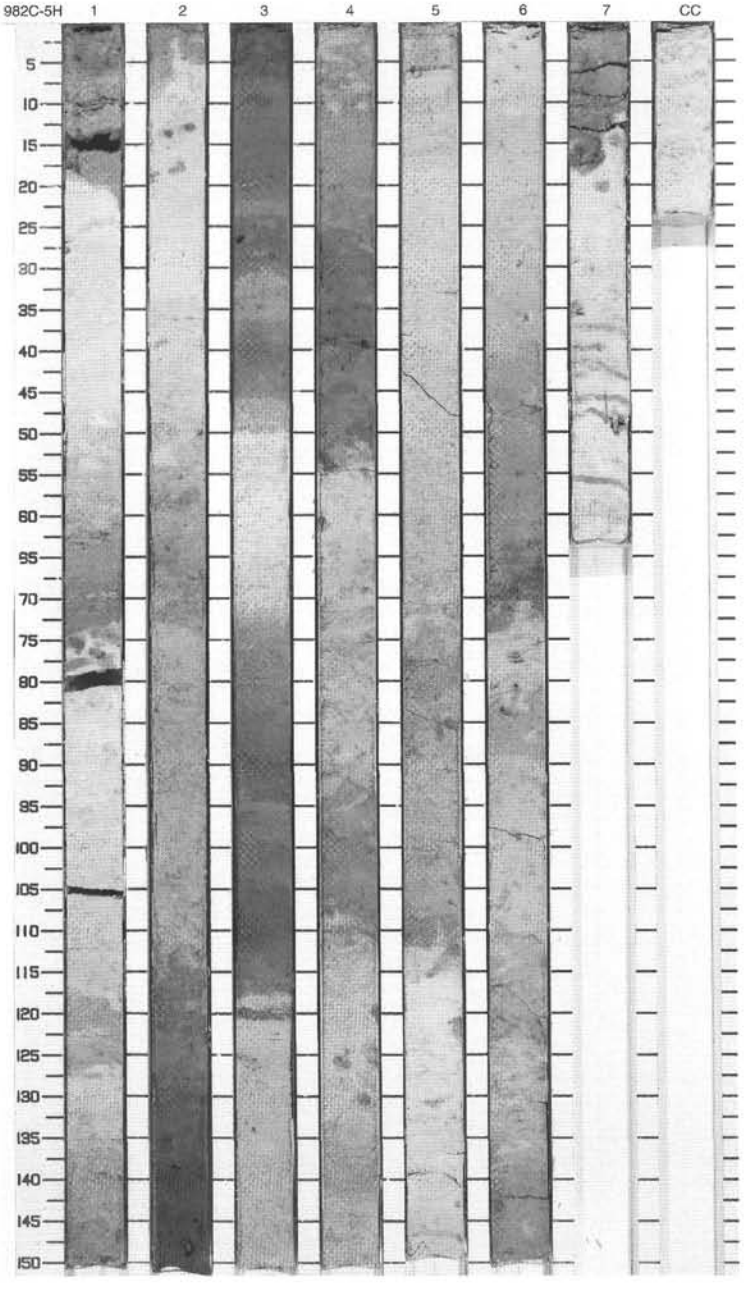
SITE 982 HOLE C CORE 4H CORED 22.8 - 32.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pleistocene	P		S	2.5Y 4/2	NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL CLAY MIXED SEDIMENT WITH FORAMINIFERS General Description: This core contains white (5Y8/1) to gray (5Y 5/1) NANNOFOSSIL OOZE WITH FORAMINIFERS alternating with dark greenish gray (10Y 4/1) and dark grayish brown (2.5Y 4/2) NANNOFOSSIL CLAY MIXED SEDIMENT WITH FORAMINIFERS. Color sequences are repeated. Some darker layers occur within the light intervals and lighter layers occur within dark intervals. A series of *Zoophycus* burrows are present in Sections 1 and 2. Faint greenish bands and disseminated pyrite are dispersed throughout core. A chert nodule dropstone is present at 98 cm in Section 3. An angular 2.8 cm granite dropstone is present at 32 cm in Section 3. A 1.8 cm sandstone granite is present at 106 cm in Section 6. Coarse fraction increases in Section 4, 30–70, and 110–130 cm.
							5Y 8/1	
		2		P			2.5Y 4/2	
							5Y 8/1	
							2.5Y 4/2	
		3					5Y 8/1	
		4		P			5Y 5/1 To 5Y 8/1	
							5Y 8/1	
		5		P			5Y 5/1	
				P			5Y 8/1	
		6		P			10Y 4/1	
				P			5Y 5/1	
							5Y 8/1	
		7					5Y 5/1	
		CC						



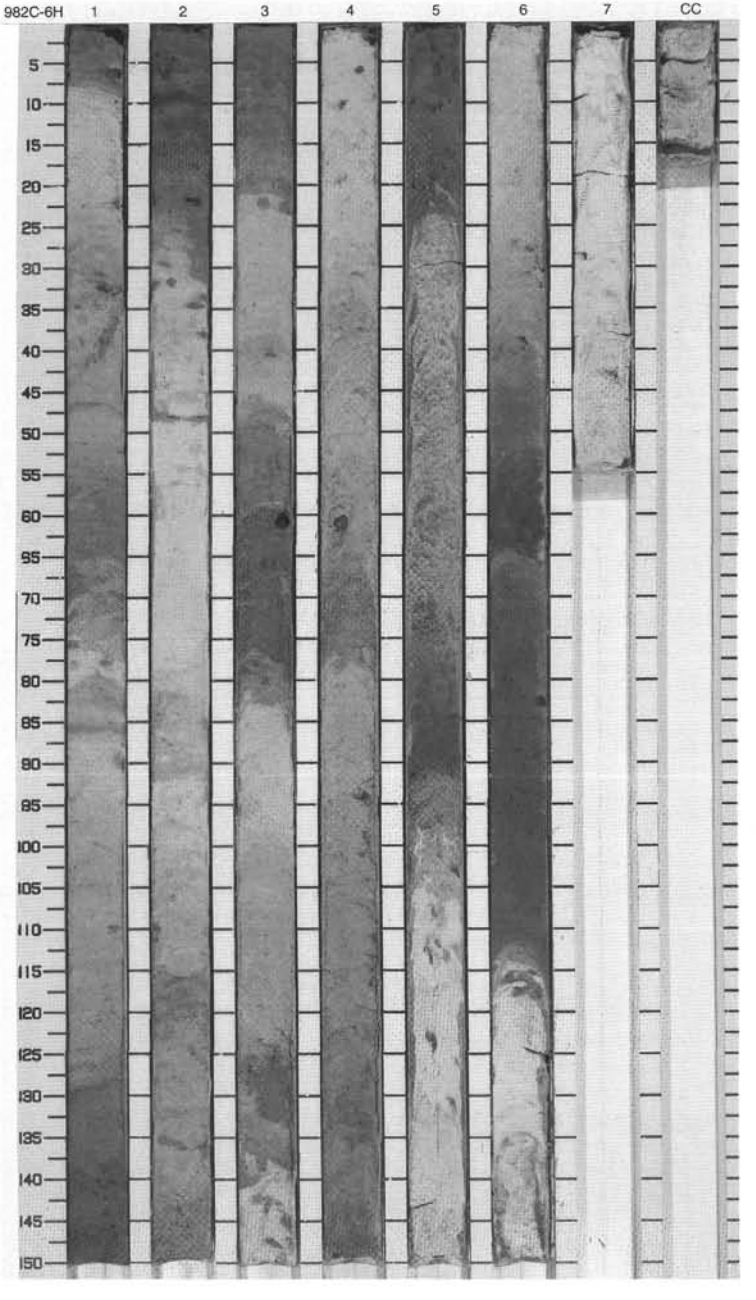
SITE 982 HOLE C CORE 5H CORED 32.3 - 41.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene–Pleistocene				5Y 6/1	CLAYEY NANNOFOSSIL MIXED SEDIMENT and NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains white (5Y 8/1) NANNOFOSSIL OOZE interbedded with dark gray (5Y 4/1) to gray (5Y 6/1) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. Sediment is moderately firm with voids in Section 1. A minor SPICULAR OOZE WITH CLAY lithology is present between 8–10 cm in Section 1. Composition and colors vary. The dark to light transition is usually gradual but the light to dark one is usually abrupt. Grain size changes cross color boundaries. A few green color bands are present in Sections 4–7. A 3-cm-long and 2-cm-thick pyrite burrow occurs in Section 7, 48–51 cm. Disseminated pyrite is dispersed throughout the entire core.
							5Y 8/1	
		2		◇			5Y 6/1	
							10Y 6/1	
		3					5Y 4/1	
							5Y 8/1	
		4					5Y 6/1	
							5Y 8/1	
		5				S	5Y 6/1	
							5Y 8/1	
		6					5Y 6/1	
							5Y 8/1	
		7					5Y 6/1	
		CC				M	5Y 8/1	



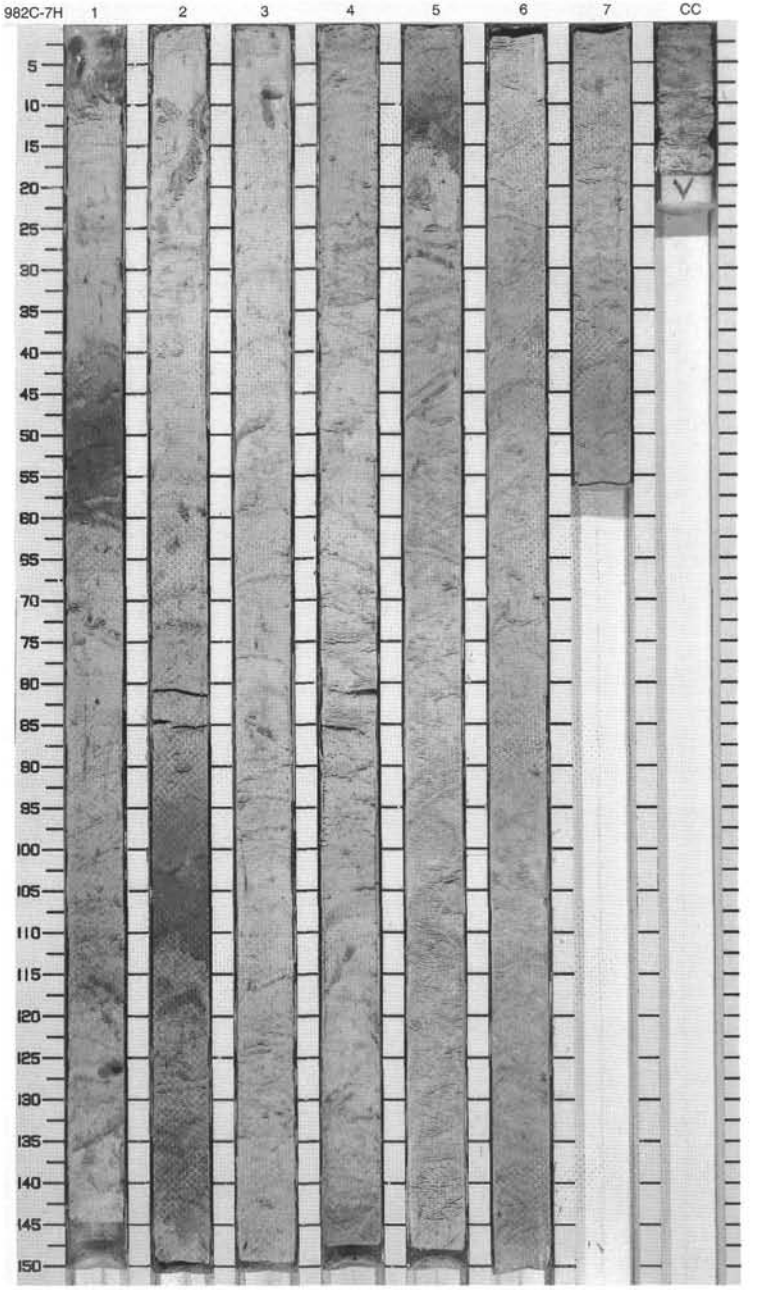
SITE 982 HOLE C CORE 6H CORED 41.8 - 51.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene				5Y 6/1	NANNOFOSSIL OOZE WITH FORAMINIFERS and CLAYEY NANNOFOSSIL MIXED SEDIMENT. General Description: This core contains moderately firm white (10Y 8/1) to gray (5Y 6/1) NANNOFOSSIL OOZE WITH FORAMINIFERS and dark gray (10Y 4/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT with many subtle color variations. A small void is situated in Section 2, 48–49 cm. Disseminated pyrite occurs both in small spots and in burrows. A black subangular 1.8-cm-long conglomerate quartzitic dropstone is present in Section 3, 41 cm. A 1.7-cm-long subangular chert occurs in Section 4, 61 cm.
							10Y 4/1	
		2					10Y 8/1	
							5Y 6/1	
		3		◇			10Y 8/1	
				◆			5Y 6/1	
		4		◇			10Y 8/1 To 5Y 6/1	
							10Y 8/1 To 10Y 4/1	
		5					5Y 6/1 To 10Y 4/1	
						S		
		6					10Y 8/1	
				P			10Y 4/1	
		7					10Y 8/1	
		CC				M		



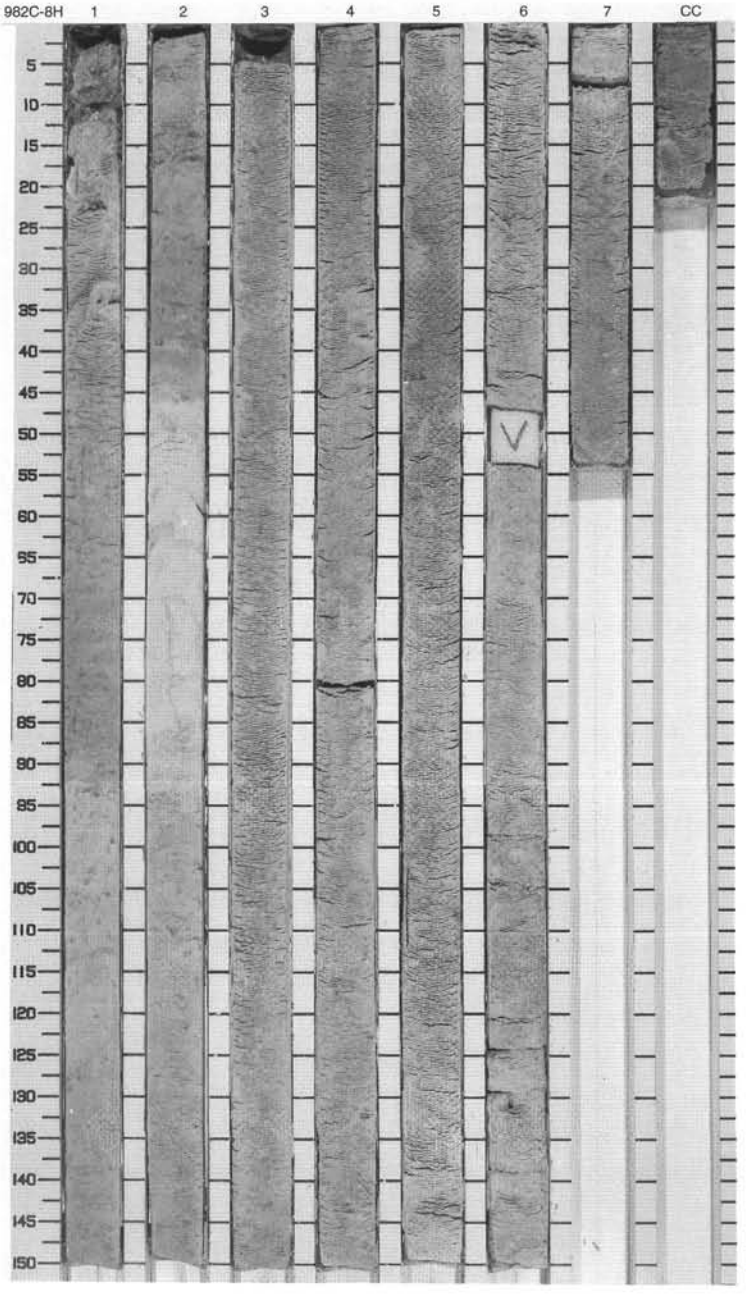
SITE 982 HOLE C CORE 7H CORED 51.3 - 60.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pliocene		W	S	5Y 7/1	NANNOFOSSIL OOZE WITH FORAMINIFERS and CLAYEY NANNOFOSSIL MIXED SEDIMENT General Description: This core contains white (5Y 8/1) and light gray (5Y 7/1) NANNOFOSSIL OOZE interbedded with gray (5Y 5/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT. Sediment is firm with disseminated pyrite throughout. Gray and green color bands and burrows are present thoughout. A NANNOFOSSIL CLAY layer is situated between 30 and 50 cm in Section 1. There is a void in the lower part of the Core Catcher.
							5Y 5/1	
							5Y 7/1	
							5Y 5/1	
2		2					5Y 7/1	
							5Y 5/1	
3		3					5Y 8/1	
							5Y 7/1	
4		4					5Y 8/1	
							5Y 5/1	
5							5Y 7/1	
6		5					5Y 8/1	
							5Y 7/1	
7		6					5Y 8/1	
8							5Y 7/1	
9		7					5Y 8/1	
		CC				M	5Y 7/1	



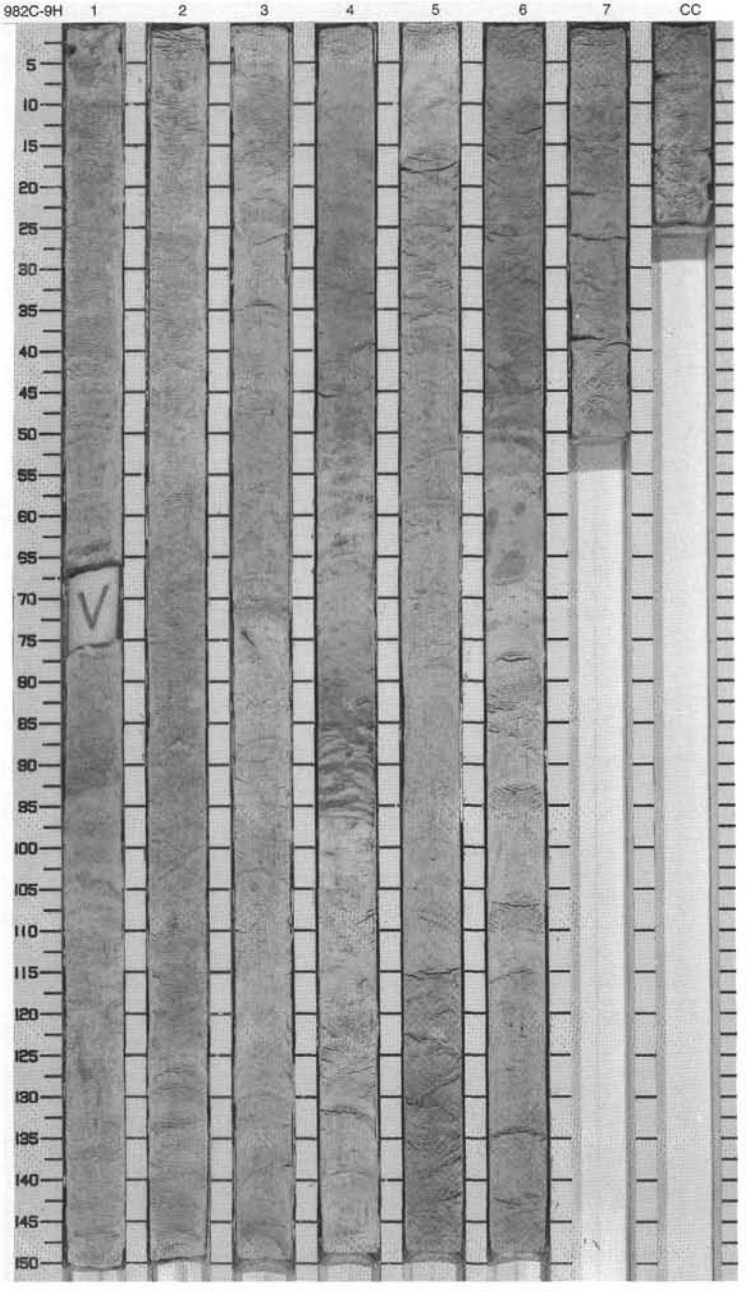
SITE 982 HOLE C CORE 8H CORED 60.8 - 70.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene				10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray (10Y 8/1) to light greenish gray (10Y 6/1) NANNOFOSSIL OOZE. Sediment is firm and only minor color changes appear. Pyrite is disseminated throughout the entire core and concentrated in burrows. Greenish color bands are more prevalent in Sections 1–4. In Section 2, one long vertical burrow extends between 71 and 88 cm.
		2					10Y 6/1	
		3				S	10Y 8/1	
		4					10Y 6/1	
		5					10Y 8/1	
		6						
		7						
		CC				M		



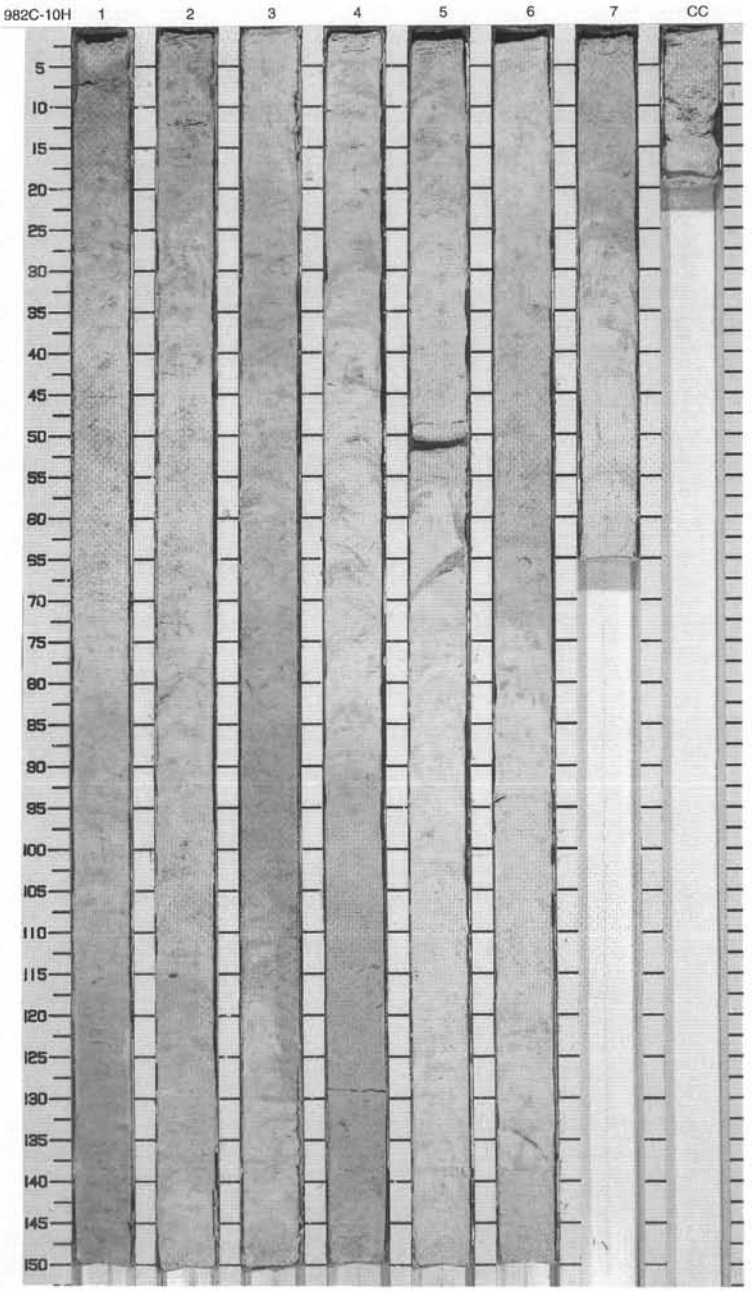
SITE 982 HOLE C CORE 9H CORED 70.3 - 79.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pliocene–late Pliocene			S	10Y 8/1	NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY General Description: This core contains firm very light greenish gray (10Y 8/1) to light greenish gray (10Y 7/1) NANNOFOSSIL OOZE with lesser amounts of gray (5Y 6/1) and light greenish gray (10Y 7/1) NANNOFOSSIL OOZE WITH CLAY. There is a SPICULE NANNOFOSSIL LAYER situated at Section 1, 64–67 cm. There are minor color and composition variations. Pyrite is disseminated throughout and concentrated in some burrows. Green gray and tan mottles are present throughout.
							10Y 7/1	
2		2					10Y 8/1	
							10Y 7/1	
3		3					10Y 8/1	
							10Y 7/1	
4							10Y 8/1	
5		4				S	10Y 7/1	
							5Y 6/1	
6		5					10Y 8/1	
7							10Y 7/1	
8		6					10Y 8/1	
9		7						
		CC				M		



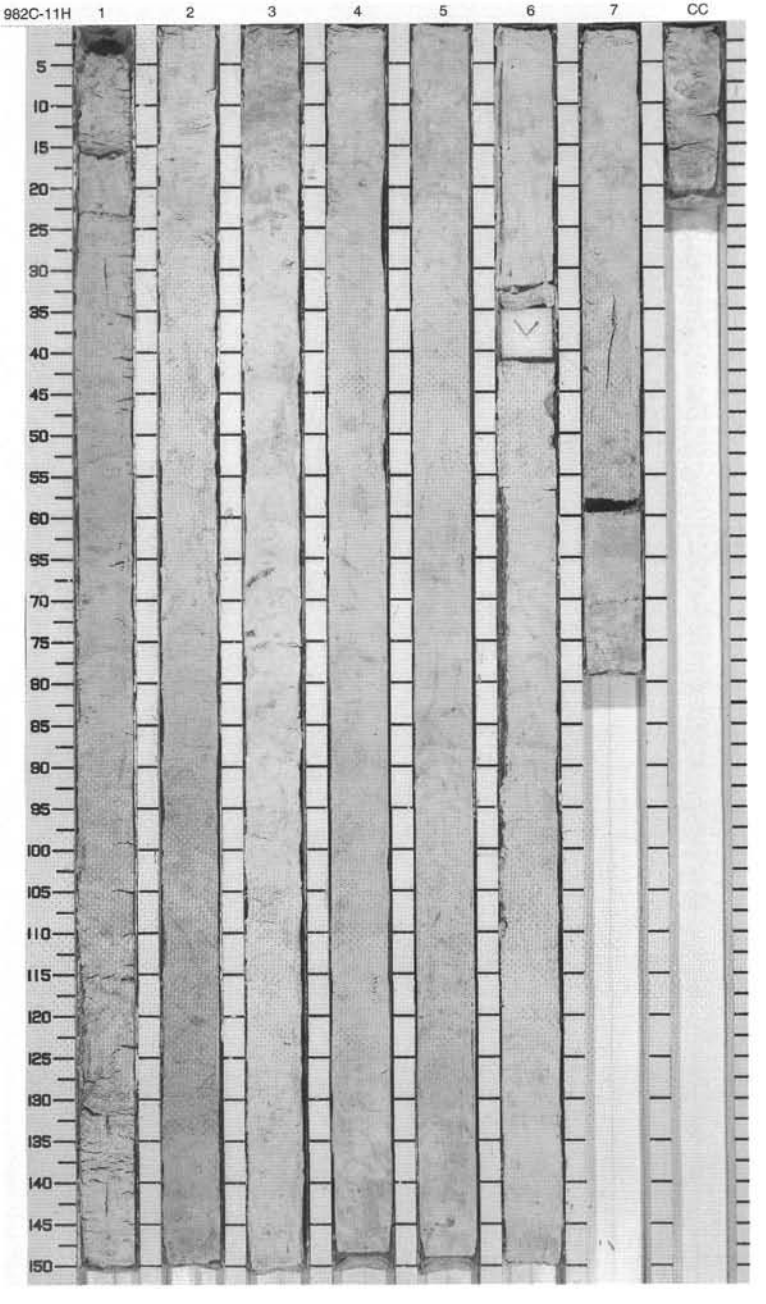
SITE 982 HOLE C CORE 10H CORED 79.8 - 89.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pliocene				10Y 6/1	NANNOFOSSIL OOZE General Description: This core contains white (5Y 8/1) and light gray (10Y 6/1) NANNOFOSSIL OOZE. The lithologies are interbedded, with alternating layers of 30–130 cm thickness. Bioturbation is slight throughout. Brown color bands occur in Section 4, 50–80 cm. Sulfides are disseminated throughout. The uppermost 10 cm of Section 1 and the entire Core Catcher are moderately disturbed.
							5Y 8/1	
							10Y 6/1	
2		2		S			5Y 8/1	
							10Y 6/1	
3		3		S			5Y 8/1	
							10Y 6/1	
4		4		S		S	5Y 8/1	
5								
6							10Y 6/1	
7		5					5Y 8/1	
8		6		S			10Y 6/1	
							5Y 8/1	
9		7					10Y 6/1	
		CC					5Y 8/1	



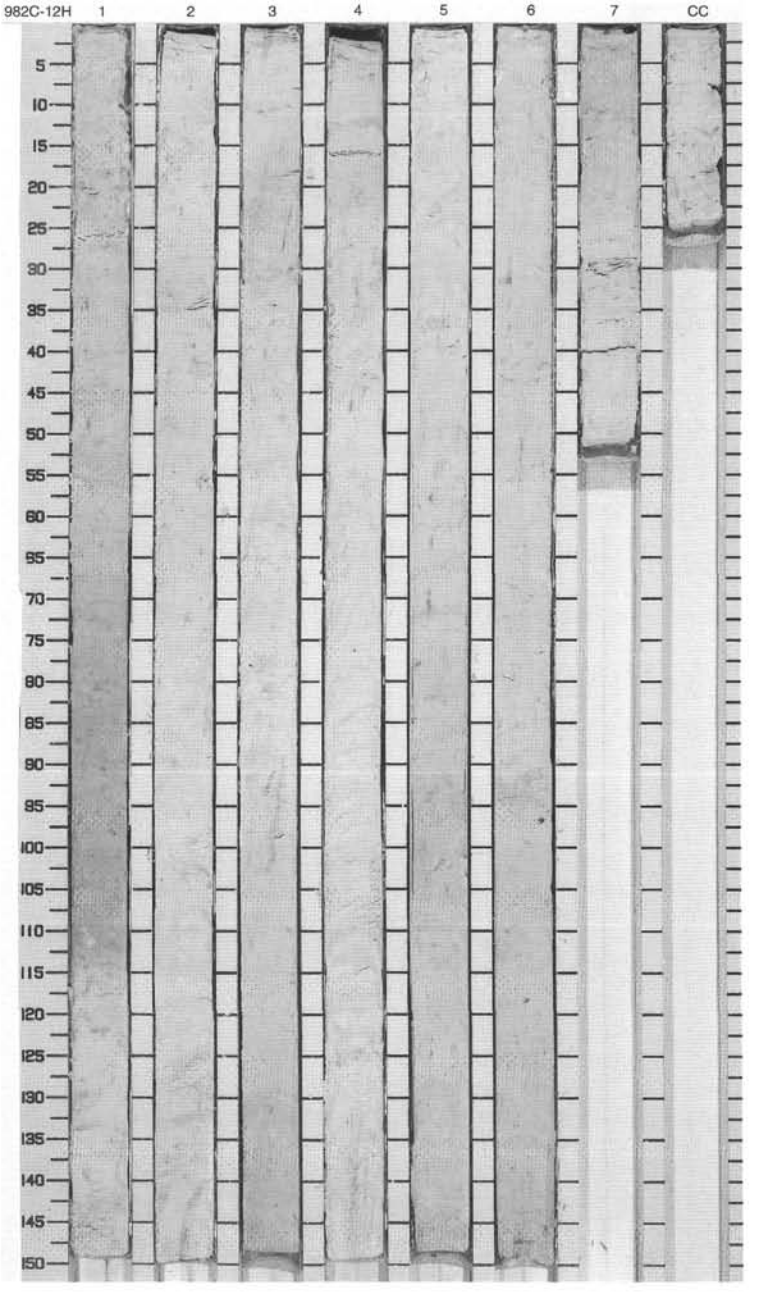
SITE 982 HOLE C CORE 11H CORED 89.3 - 98.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, CC	early Pliocene	P, P, P		S, M	10Y 8/1; 5Y 8/1	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray to white (10Y 8/1 to 5Y 8/1) NANNOFOSSIL OOZE. Sediment is firm and only minor color changes appear. Pyrite is sparsely disseminated in some sections and concentrated in small burrows. Greenish color bands are more prevalent in Sections 2–3. The topmost 30 cm of the core are moderately disturbed by drilling, and small gaps occur in Sections 6 and 7. Section 6, 33–43 cm is void.



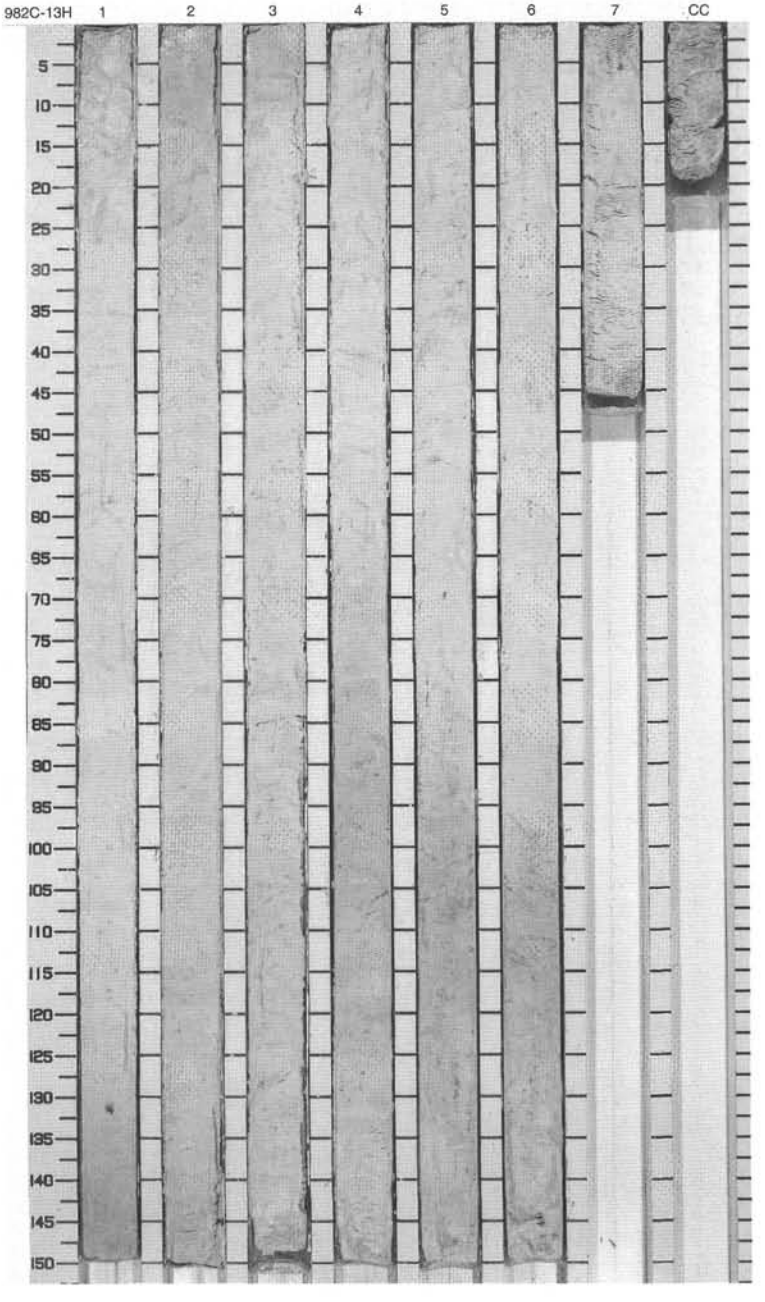
SITE 982 HOLE C CORE 12H CORED 98.8 - 108.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene	P P			5GY 8/1 To 5GY 7/1	NANNOFOSSIL OOZE General Description: This core contains light greenish gray to white (10Y 7/1 to 5Y 8/1) NANNOFOSSIL OOZE. Sediment is firm and minor color changes are gradual. Pyrite is sparsely disseminated throughout the core and concentrated in small burrows. Most of the intervals are slightly bioturbated. Light greenish color bands are more prevalent in Sections 1–3. The uppermost 26 cm of the core are slightly disturbed by drilling.
		2		P P			5GY 8/1	
		3		P P		S	10Y 8/1	
		4		P			5Y 8/1	
		5		P			10Y 7/1	
		6		P P P			10Y 8/1 To 10Y 7/1	
		7						
		CC				M		



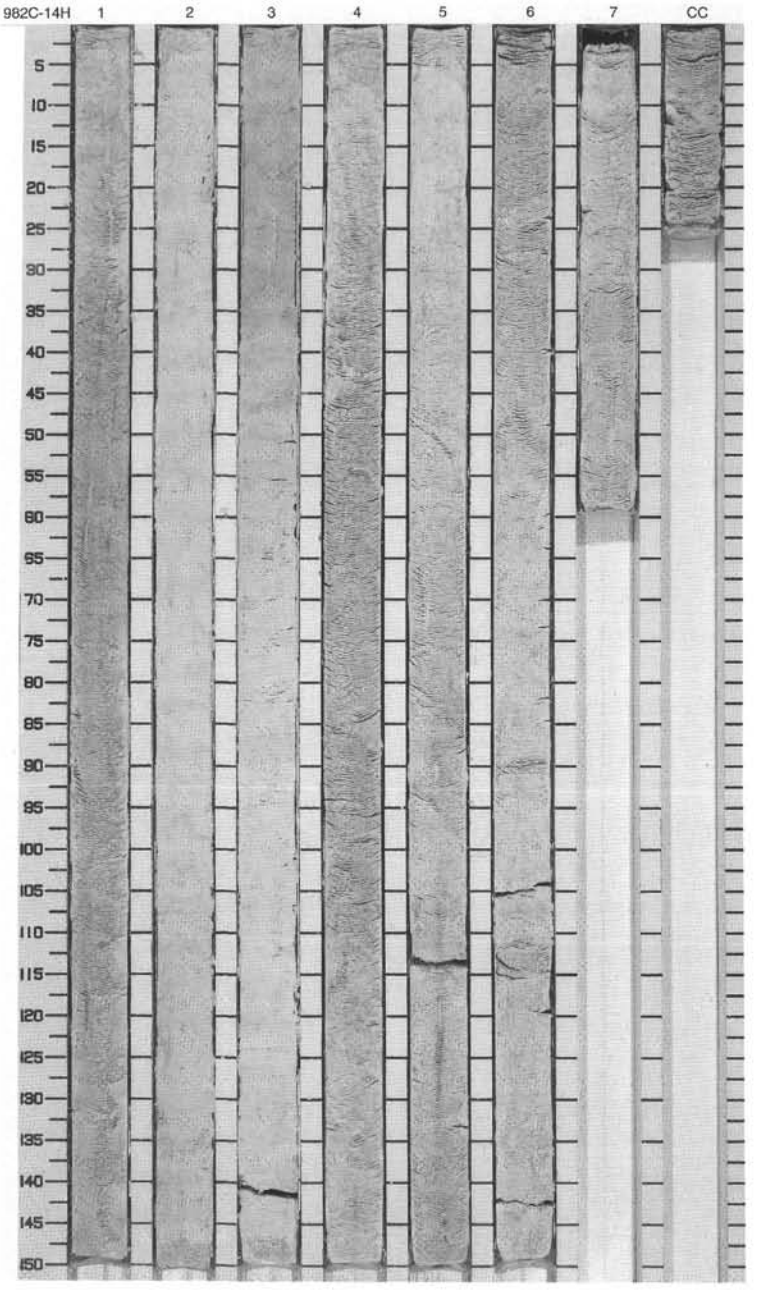
SITE 982 HOLE C CORE 13H CORED 108.3 - 117.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Pliocene	P; P; P; P; P; P	○○○	S; S; M	5Y 8/1 To 5GY 7/1	NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE alternating with light greenish gray (5GY 7/1) NANNOFOSSIL OOZE WITH FORAMINIFERS. Thin light greenish gray bands are present at Section 1, 130 cm, at Section 2, 20 cm, at Section 4, 80–110 cm, at Section 5, 97–130 cm, and at Section 6, 105–127 cm. Color changes are gradational throughout. Slight bioturbation occurs throughout the core and disseminated pyrite occurs at several layers. The topmost 15 cm of Section 1 contain very soft to soupy sediment. A small foraminifer pod (< 1 cm) occurs at Section 1, 132 cm.



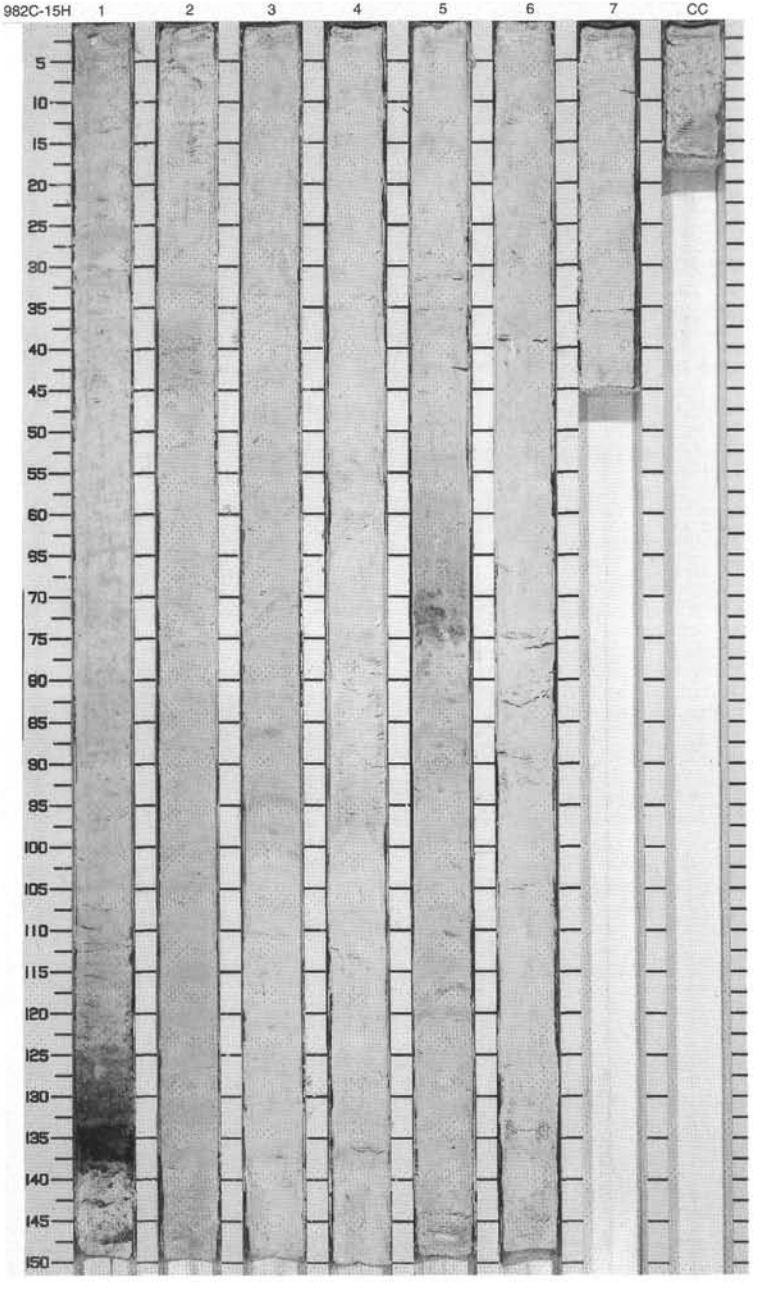
SITE 982 HOLE C CORE 14H CORED 117.8 - 127.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene				10Y 7/1	NANNOFOSSIL OOZE General Description: This core contains white (10Y 8/1) and very light gray (10Y 7/1) NANNOFOSSIL OOZE. The sediment is soft and homogeneous, and parts unevenly when split. All color transitions are gradational. Faint greenish and tan color bands and spots are dispersed throughout the entire core. Bioturbation is slight throughout, and individual long vertical burrows occur in all sections.
		2				S	10Y 8/1	
		3					10Y 7/1	
		4						
		5					10Y 8/1	
		6						
		7						
		CC						



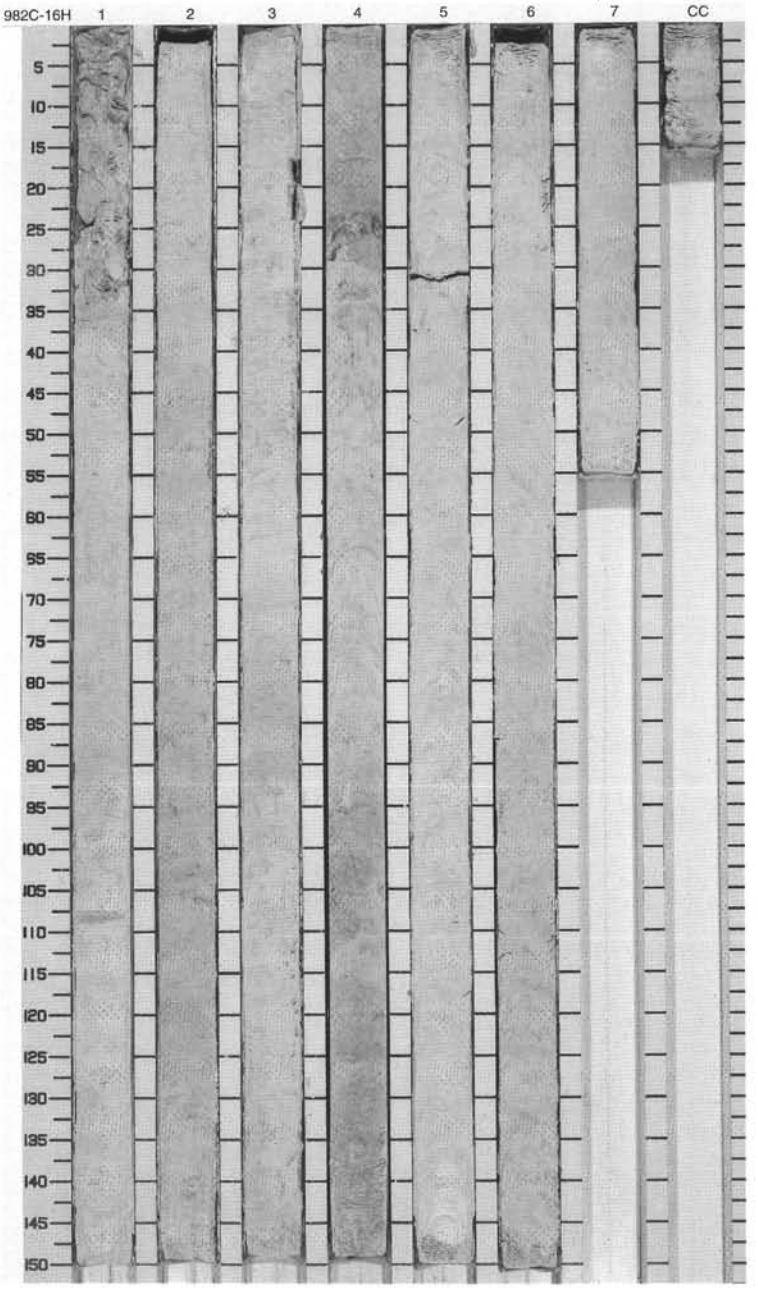
SITE 982 HOLE C CORE 15H CORED 127.3 - 136.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pliocene	P P P A		S	10Y 8/1 N3	NANNOFOSSIL OOZE General Description: This core contains very light greenish gray to white (10Y 8/1 to 5 Y 8/1) NANNOFOSSIL OOZE. A volcanic ASH layer with a sharp bottom contact and a gradational top is present at Section 1, 133–138 cm. All other color changes are gradational. Disseminated pyrite is concentrated to Section 1, and is sparse in the other sections. Burrows filled with disseminated pyrite are present at Section 5, 68–74 cm. The content of foraminifers increases in Section 4, 70–98 cm.
2		2						
3		3		P			10Y 8/1	
4						S		
5		4					5Y 8/1	
6		5		P P			10Y 8/1	
7		6					5Y 8/1	
8		7		P		M		
9		CC						



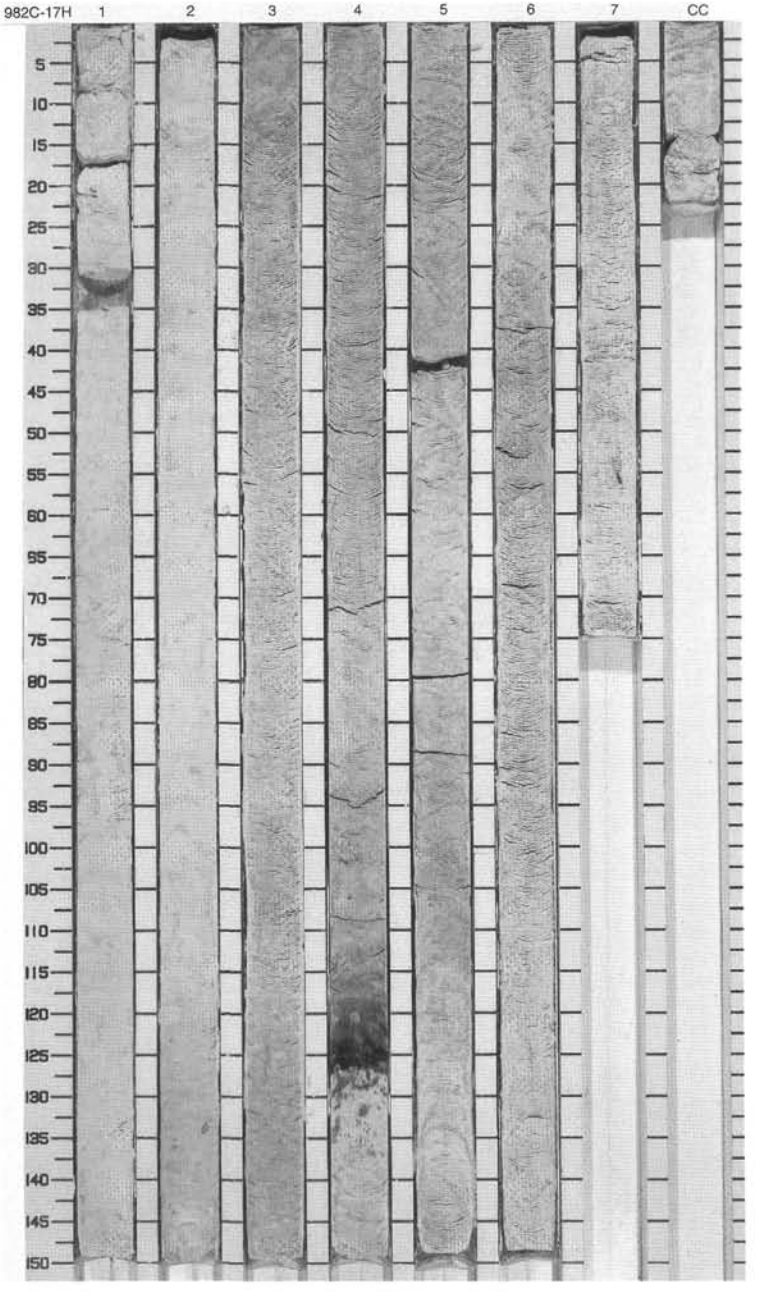
SITE 982 HOLE C CORE 16H CORED 136.8 - 146.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Pliocene	P P	○○	S S M	5Y 8/1 To 5GY 7/1	NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains white to light gray (5Y 8/1 to 5Y 7/1) and light greenish gray (5GY 7/1) NANNOFOSSIL OOZE WITH FORAMINIFERS. Light greenish gray bands are present at Section 2, 80–120 cm, Section 3, 70–100 cm, Section 4, 95–136 cm, and at Section 6, 96–115 cm. The top of Section 4 (0–30 cm) contains light greenish gray color bands, with a black band at the bottom. Slight bioturbation and very gradational color changes occur throughout the core. The core is void at Section 5, 32–33 cm.



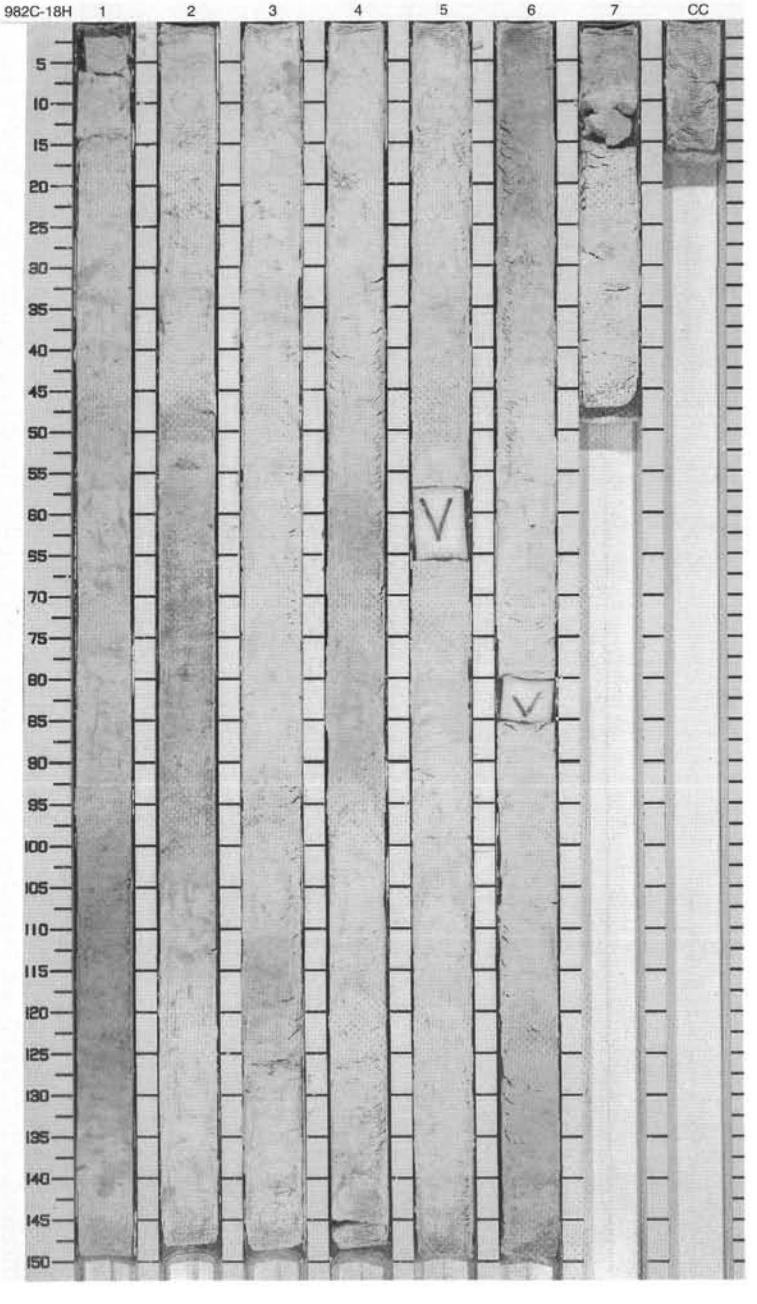
SITE 982 HOLE C CORE 17H CORED 146.3 - 155.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Pliocene			S	10Y 8/1; 10Y 6/1; 10Y 8/1; 10Y 8/1; 10Y 6/1; 10Y 8/1; 10Y 6/1; 10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains white (10Y 8/1) and light gray (10Y 6/1) NANNOFOSSIL OOZE. All color changes are gradational. Slight bioturbation occurs throughout the core. Sulfides are disseminated throughout, and a pyrite nodule occurs in Section 7, 30 cm. An ASH layer in Section 3, 125–130 cm, has a sharp base and a gradational top, both of which are penetrated by burrows.



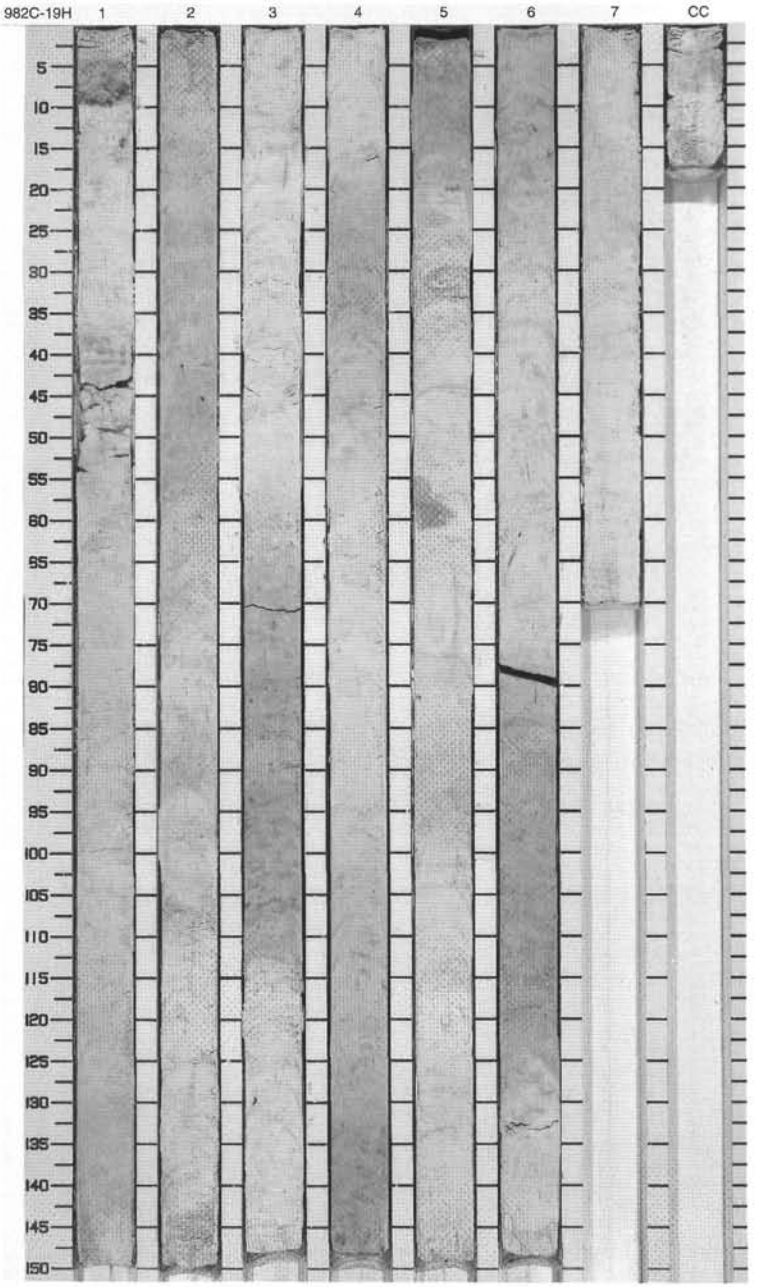
SITE 982 HOLE C CORE 18H CORED 155.8 - 165.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene–early Pliocene		I		5GY 8/1	NANNOFOSSIL OOZE General Description: This core contains firm homogeneous very light greenish gray to white (10Y 8/1 to 5GY 8/1) NANNOFOSSIL OOZE. Most of the sections are both slightly mottled and slightly bioturbated. Slight color changes are gradational, and the color sequence is repeated. The uppermost 15 cm of the core are slightly disturbed. The sediment is void at Section 5, 57–65 cm, and at Section 6, 79–84 cm.
							5GY 7/1	
		2					5GY 8/1	
							5GY 7/1	
		3		P			5GY 8/1	
							10Y 8/1	
		4					5GY 8/1	
							10Y 8/1	
				P			5GY 8/1	
	Void	5					10Y 8/1	
				P			5GY 8/1	
							10Y 8/1	
	Void	6					5GY 8/1	
							10Y 8/1	
		7						
		CC				M	5GY 8/1	



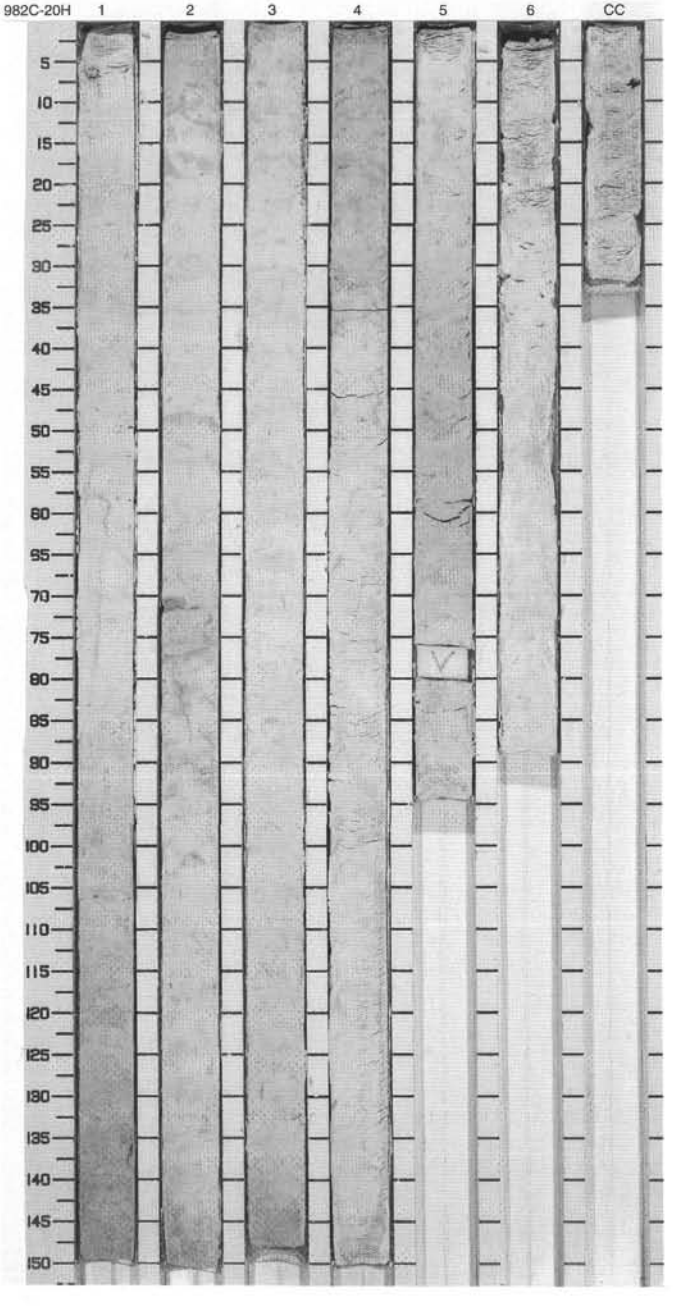
SITE 982 HOLE C CORE 19H CORED 165.3 - 174.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene	P	○		5Y 8/1 To 5Y 7/1	NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY General Description: This core contains white to light gray (5Y 8/1 to 5Y 7/1) NANNOFOSSIL OOZE and light greenish gray (5GY 7/1 to 5GY 6/1) NANNOFOSSIL OOZE WITH CLAY. The core is slightly bioturbated throughout, and disseminated pyrite is scattered at several layers. Color changes are gradational. A blackish layer with a sharp bottom contact is present at Section 1, 4–10 cm. The sediment is void at Section 7, 77–78 cm.
							5GY 7/1	
		2		P			5Y 8/1 To 5Y 7/1	
		3		P		S	5GY 7/1	
							5Y 8/1	
		4					5GY 7/1	
							5Y 7/1	
							5GY 7/1	
		5					5Y 7/1 To 5Y 8/1	
		6		P		S	5GY 6/1	
		7				M	5Y 8/1 To 5Y 7/1	
		CC						



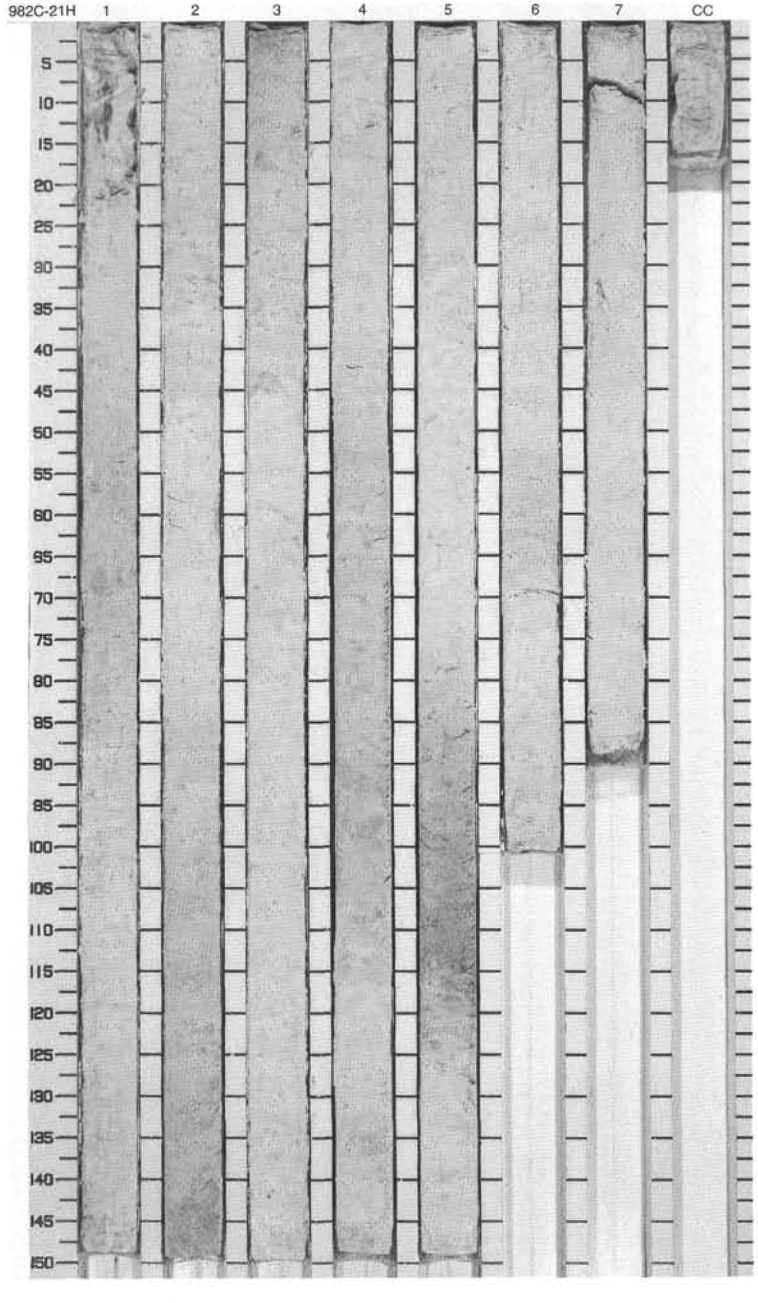
SITE 982 HOLE C CORE 20H CORED 174.8 - 184.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1	late Miocene				10Y 8/1	NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY General Description: This core contains white (10Y 8/1) and *light gray* (10Y 6/1) NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. All color changes are gradational. Slight bioturbation occurs throughout the core. Sulfides are disseminated throughout, and a pyrite nodule occurs in Section 7, 30 cm. An ash layer in Section 3, 125–130 cm, has a sharp base and a gradational top, both of which are penetrated by burrows.
							10Y 6/1	
		2					10Y 8/1	
		3				S		
							10Y 6/1	
		4					10Y 8/1	
							10Y 6/1	
		5						
	Void							
		6					10Y 8/1	
		CC						



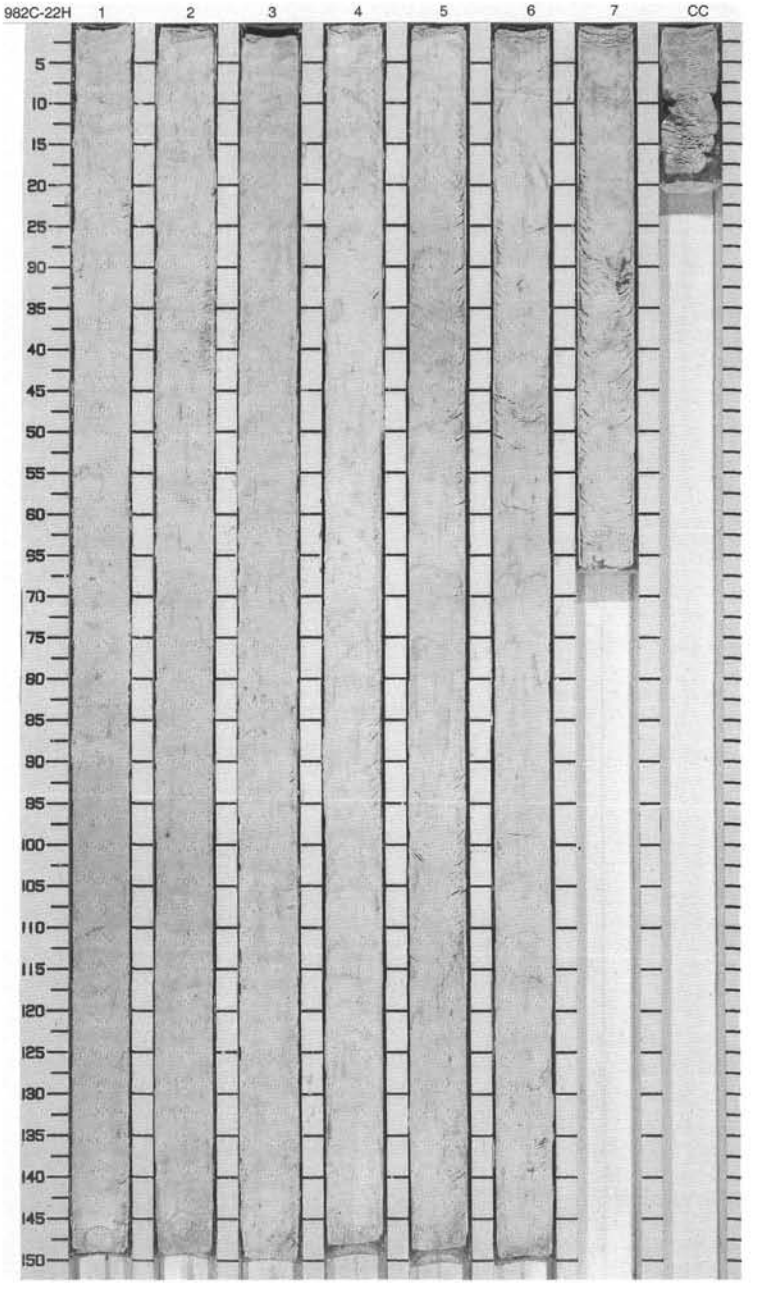
SITE 982 HOLE C CORE 21H CORED 184.3 - 193.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene	P	V		10Y 8/1 To 10Y 7/1	NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY General Description: This core contains firm, homogeneous, light greenish gray to white (10Y 8/1 to 5GY 8/1) NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY. The core is slightly mottled throughout. The color changes are gradational. Most of the sections are slightly to moderately bioturbated. Disseminated pyrite occurs in small blebs throughout most of the core. The uppermost 22 cm of the core are very disturbed due to drilling. Small gaps are present in Sections 6 and 7.
		2		P			5GY 8/1	
		3		P		S	10Y 8/1	
		4		P			5GY 8/1	
		5		P			10Y 8/1	
		6		P			5GY 8/1	
		7		P			10Y 7/1	
		CC				M	5Y 8/1	
							10Y 8/1	
							5Y 8/1	



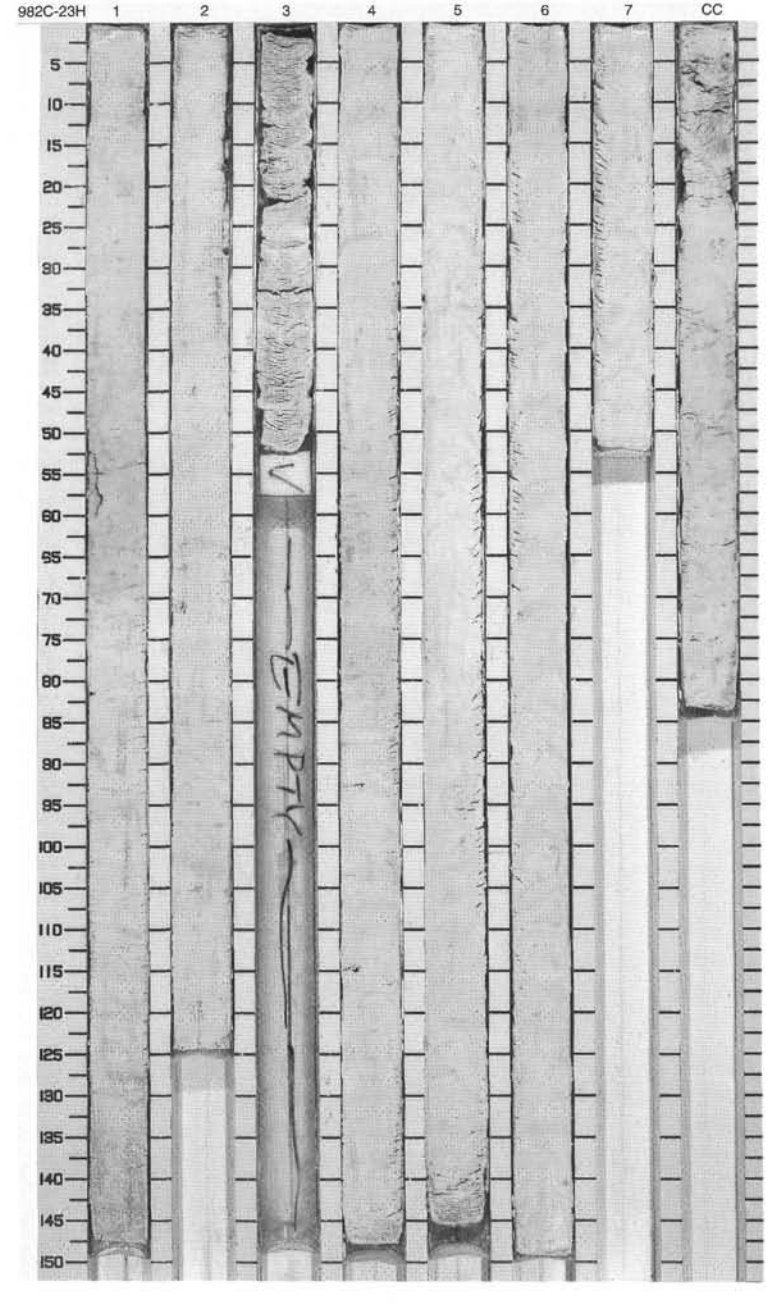
SITE 982 HOLE C CORE 22H CORED 193.8 - 203.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1, 2, 3, 4, 5, 6, 7, CC	late Miocene			S, M	5Y 7/1 To 5Y 8/1	NANNOFOSSIL OOZE General Description: This core contains white to light gray (5Y 7/1 to 5Y 8/1) NANNOFOSSIL OOZE. The only color change observed was in Section 4, 26–56 cm, where a light gray (5GY 7/1) interval is present. Slight bioturbation occurs throughout and disseminated pyrite is present within several layers.



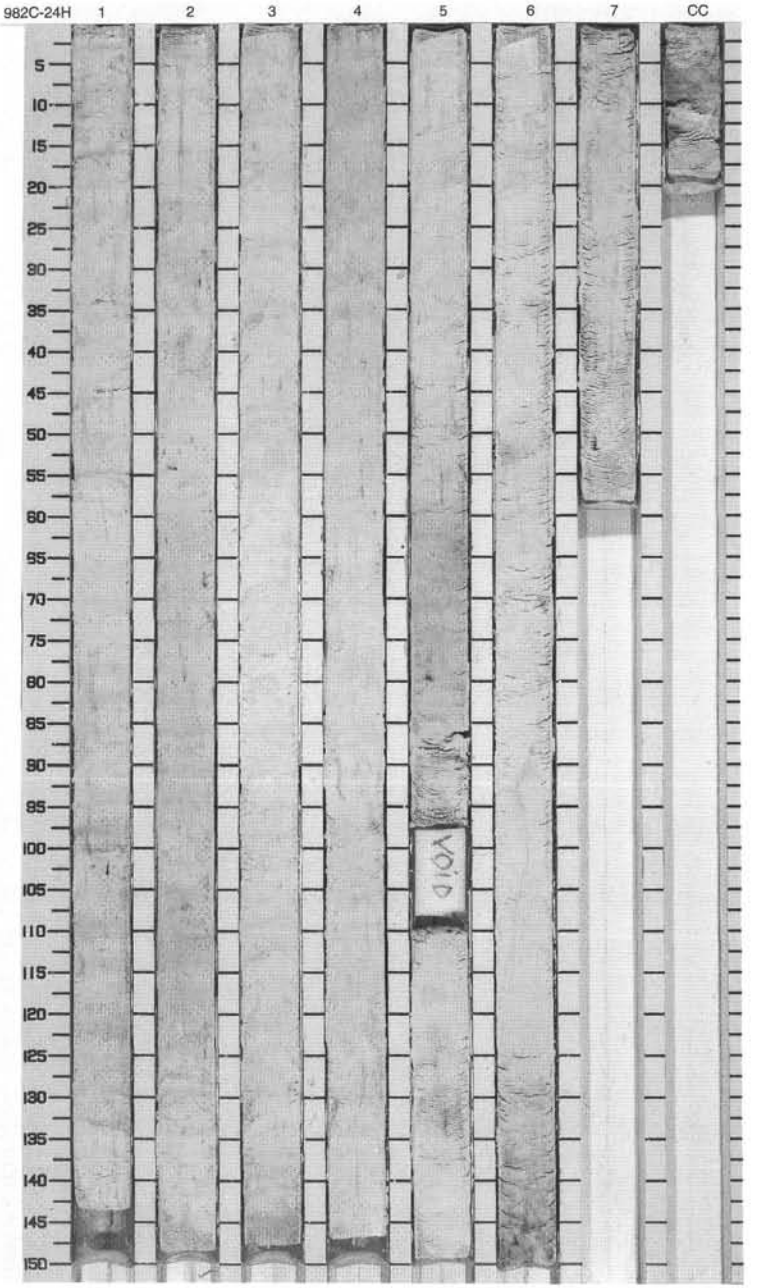
SITE 982 HOLE C CORE 23H CORED 203.3 - 212.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Miocene				10Y 8/1	NANNOFOSSIL OOZE General Description: This core contains firm homogeneous very light greenish gray to white (10Y 8/1 to 5GY 8/1) NANNOFOSSIL OOZE. The very slight color changes are gradational, and only few thin light greenish color bands occur throughout. Section 3 is very disturbed, and the sediment is void at Section 3, 52–57 cm.
2		2		S, P, P			5GY 8/1	
3		3						
4		4		P, P			10Y 8/1	
5		5					5Y 8/1	
6		6						
7		7		P				
8		CC				M	10Y 8/1 5Y 8/1	
9								



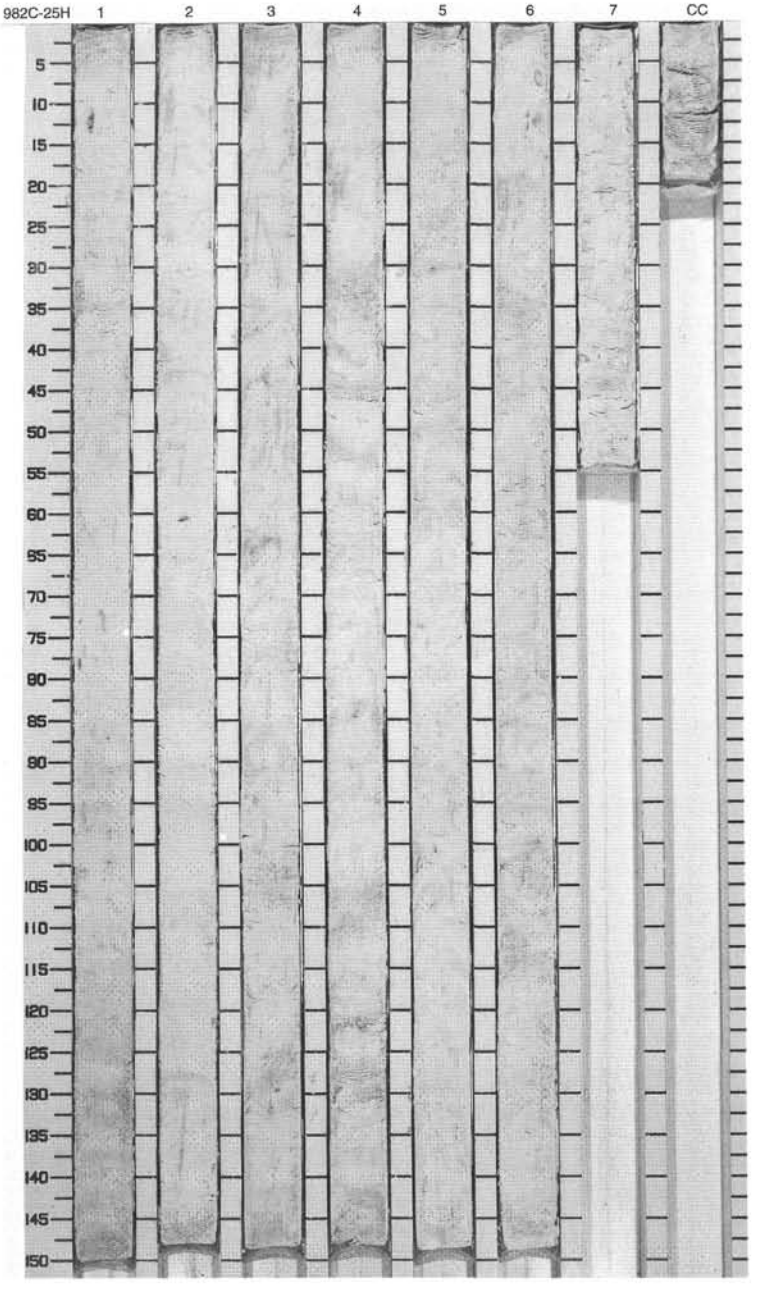
SITE 982 HOLE C CORE 24H CORED 212.8 - 222.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8	Void	1	late Miocene	P		S	5Y 7/1 To 5Y 8/1	NANNOFOSSIL OOZE General Description: This core contains gray to white (5Y 6/1 to 5Y 8/1) and light greenish gray (5GY 7/1) NANNOFOSSIL OOZE. Sections 1 and 2 contain thin faint greenish color bands. Gradational color changes occur throughout the core. The sediment is soft and moist. Section 6, 138–148 cm, and CC, 5–10 cm contain more dark gray (5Y 5/1 to 4/1) color bands with gradual color changes. Slight bioturbation occurs throughout the core. This core is void at Section 5, 95–108 cm.
		2		P				
		3		P				
		4		P			5GY 7/1	
		5		P			5Y 7/1 To 5Y 8/1	
		6					5GY 7/1	
		7		P			5Y 7/1	
		CC				M	5Y 7/1 To 5Y 6/1	



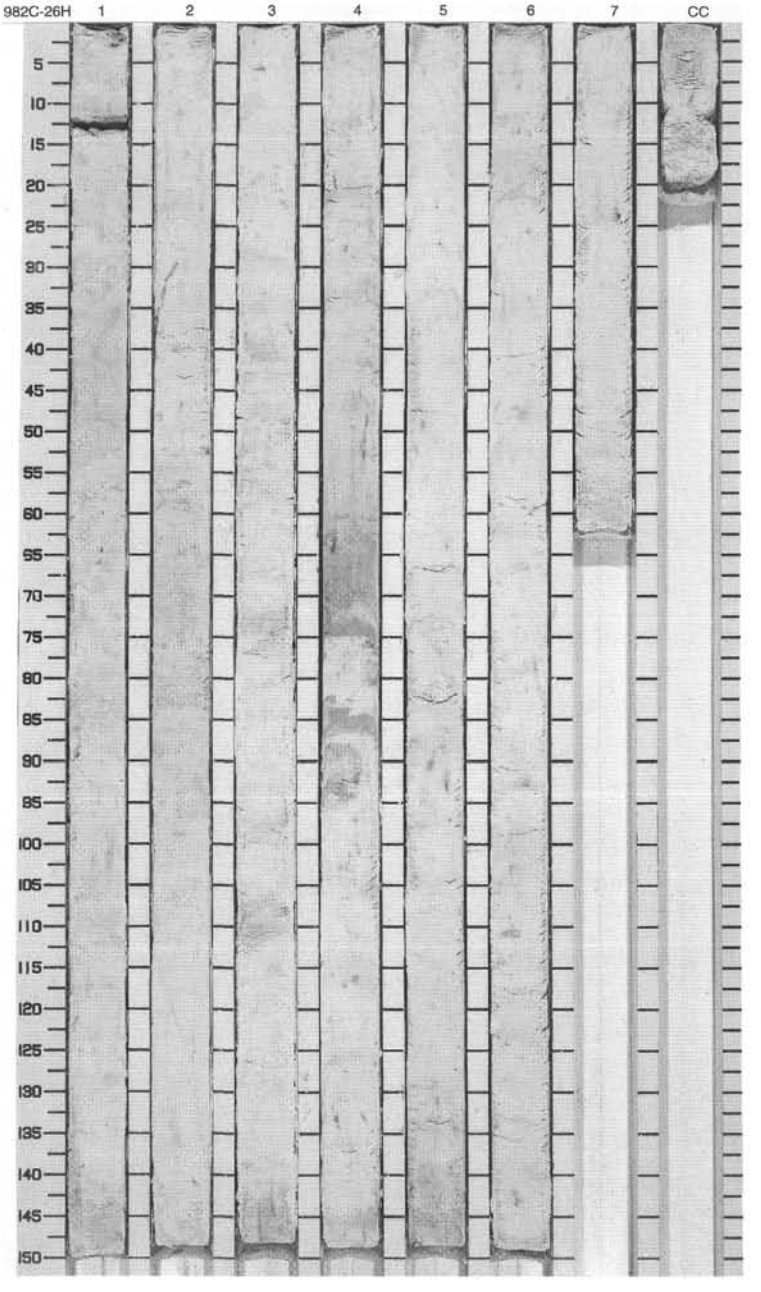
SITE 982 HOLE C CORE 25H CORED 222.3 - 231.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Miocene		!		10Y 7/1 To 10Y 6/1	NANNOFOSSIL OOZE General Description: This core contains very light gray to light gray (10Y 7/1 to 10Y 6/1) NANNOFOSSIL OOZE. The color changes are subtle and gradational. Slight bioturbation occurs throughout the core. Disseminated sulfides and faint color bands occur in each section. A chalk layer occurs in Section 4, 117–123 cm.
2		2						
3		3						
4		4						
5		5						
6		6						
7		7						
8		CC			!			
9								



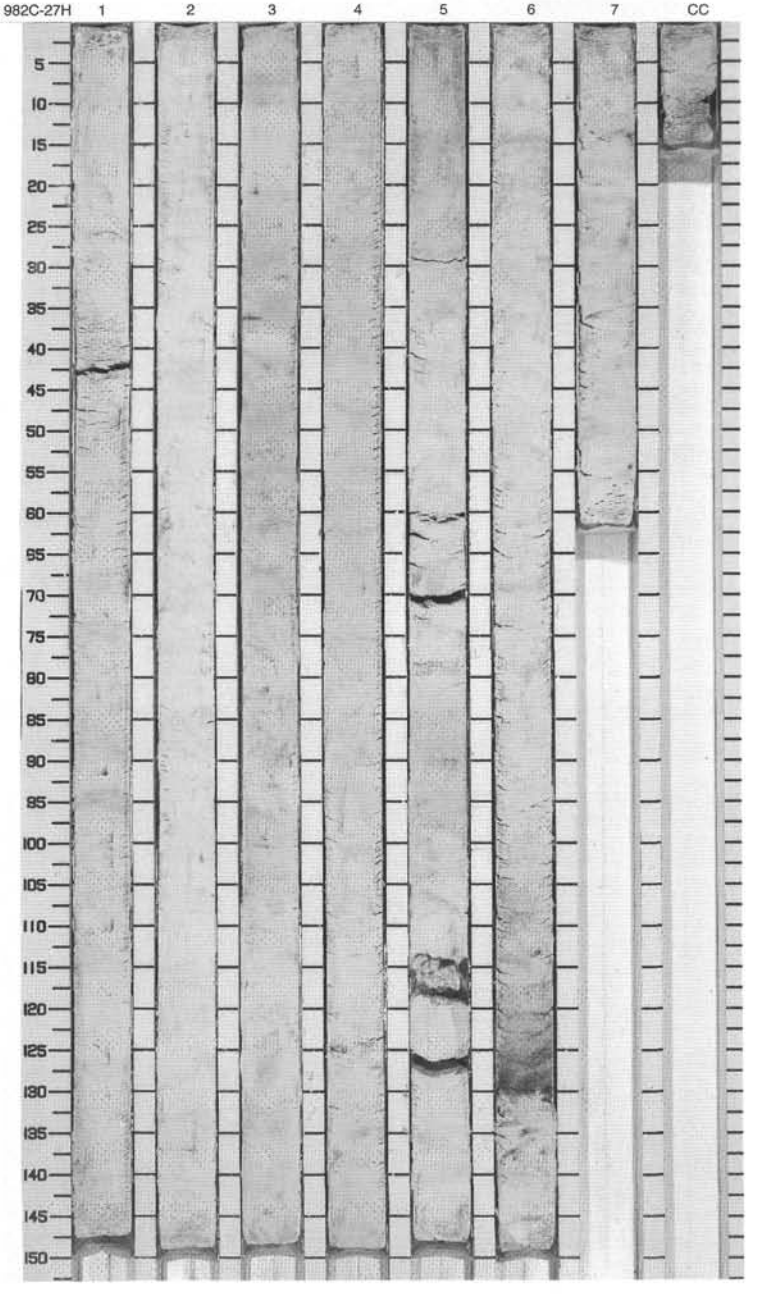
SITE 982 HOLE C CORE 26H CORED 231.8 - 241.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene	P; ≫; ≈	I	S; M	5GY 8/1; 5GY 7/1; 5GY 8/1	NANNOFOSSIL OOZE General Description: This core contains homogeneous white (5GY 8/2) and light greenish gray (5GY 7/1) NANNOFOSSIL OOZE. The two light greenish gray horizons (Section 4, 64–75 and 84–87 cm) contain slightly more pyrite. They have relatively sharp basal contacts and gradational tops. No other color changes were observed. Disseminated pyrite occurs in small burrrows in all sections.



SITE 982 HOLE C CORE 27H CORED 241.3 - 250.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene	A		S	5Y 8/1	NANNOFOSSIL OOZE General Description: This core contains white (10Y 8/1) NANNOFOSSIL OOZE. The sediment is soft, homogeneous, and sticky. Slight bioturbation occurs throughout the core. An ASH layer occurs in Section 6, 120–132 cm. It has a sharp base and a gradational top. The uppermost 10 cm of Section 1 and the Core Catcher are disturbed and there are several small voids in Section 5.



SITE 982 HOLE D CORE 1H CORED 20.0 - 29.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	P			5Y 4/1	NANNOFOSSIL OOZE WITH FORAMINIFERS and CLAYEY NANNOFOSSIL SEDIMENT WITH FORAMINIFERS AND QUARTZ General Description: This core contains greenish gray to white (10Y 6/1 to 5GY 8/1) NANNOFOSSIL OOZE WITH FORAMINIFERS alternating with gray to dark gray (5Y 5/1 to 5Y 4/1) SILTY CLAY WITH NANNOFOSSILS AND SAND. The core shows intense color changes. Most of the color changes are gradational, and color sequences are repeated. Dark pyritized color bands are present at Section 2, 38–42 cm, and at Section 5, 10–15 cm. In addition, disseminated pyrite occurs throughout the core. The contents of foraminifers increases at Section 1, 115–128 cm, at Section 4, 5–60 cm, at Section 6, 98–116 cm, and at Section 7, 30–55 cm. Coarse fraction increases at Section 1, 0–90 cm, from Section 1, 137 cm to Section 2, 44 cm, at Section 5, 40–68 cm, and at Section 7, 75–90 cm.
				P			10Y 6/1	
				P			5Y 4/1	
2		2		P		S	5GY 8/1	
							5GY 6/1	
				P			10Y 6/1	
3		3		P		S	5Y 6/1	
							10Y 6/1	
							5Y 5/1	
4		4		P			5Y 8/1	
				P			5Y 5/1	
				P		S		
5		5		P			5Y 6/1	
				P			10Y 6/1	
				P			5GY 7/1	
6		6		P			5Y 5/1	
				P			10Y 6/1	
							5Y 5/1	
7		7					10Y 6/1	
		CC				M