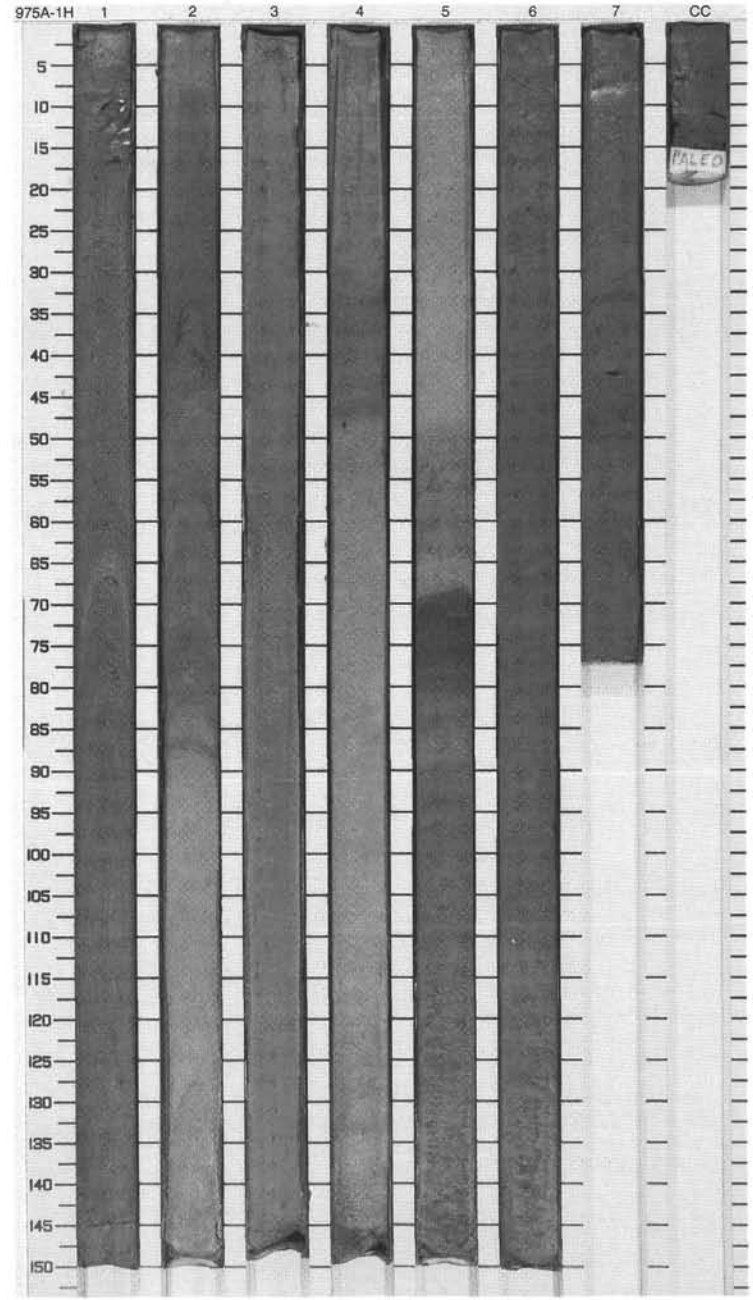
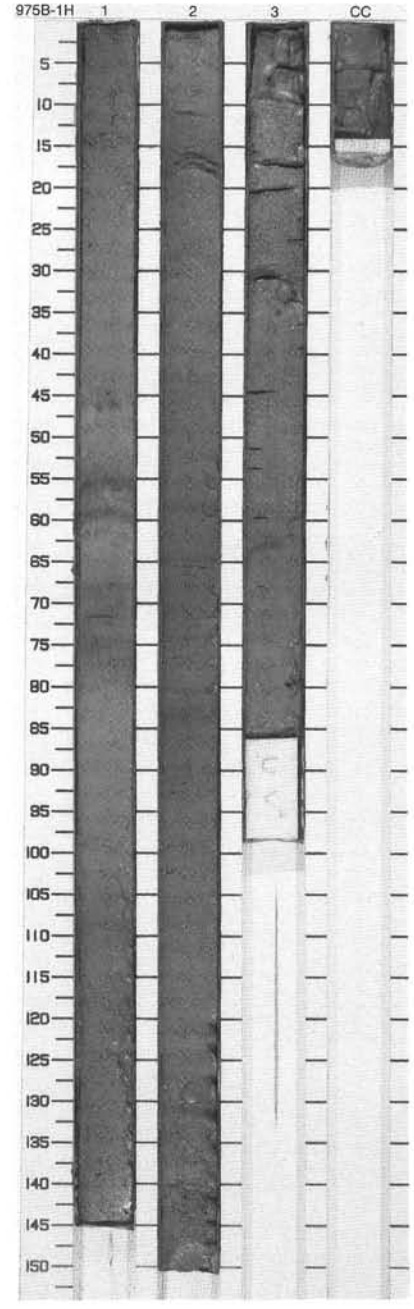
SITE 975 HOLE A CORE 1H CORED 0.0 - 9.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene			S, S, M	5Y 5/2; 5Y 6/4 To 5Y 5/2; 5Y 5/2; 5Y 4/1	NANNOFOSSIL CLAY TO NANNOFOSSIL-RICH CLAY Major Lithology: The predominant lithology is NANNOFOSSIL CLAY TO NANNOFOSSIL-RICH CLAY, light olive gray (5Y 5/2) to olive gray (5Y 4/1) in color, with color mottling pervasive in Sections 4 through 7. Faint color banding occurs in Section 4. General Description: NOTE: Flow-in occurred throughout Sections 1–3 and in the upper 35 cm of Section 4. The sediment contains approximately 10% bioclasts.



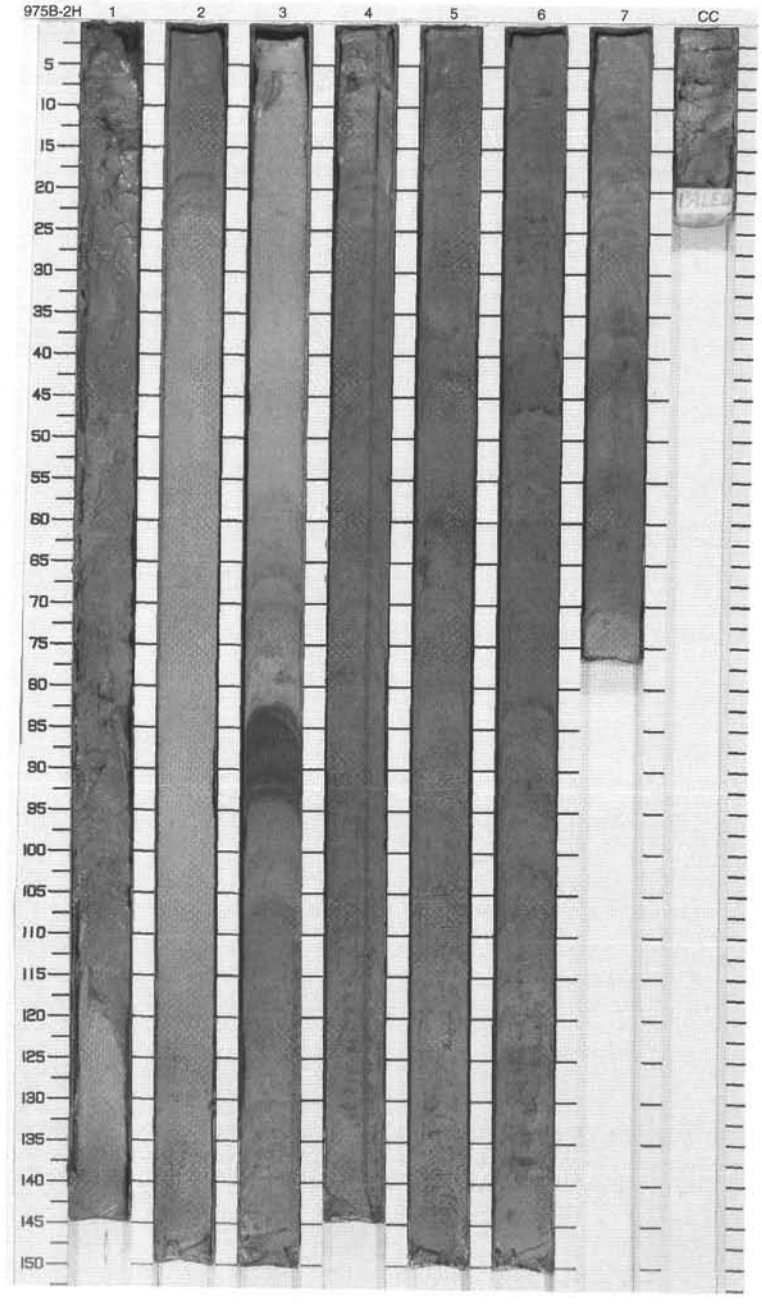
SITE 975 HOLE B CORE 1H CORED 0.0 - 4.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3 4	Void	1 2 3 CC	Pleistocene			S S M	5Y 4/1 To 10YR 4/2	NANNOFOSSIL CLAY AND CALCAREOUS SILTY CLAY Major Lithology: The major lithologies are NANNOFOSSIL CLAY AND CALCAREOUS SILTY CLAY that exhibit moderate color banding.



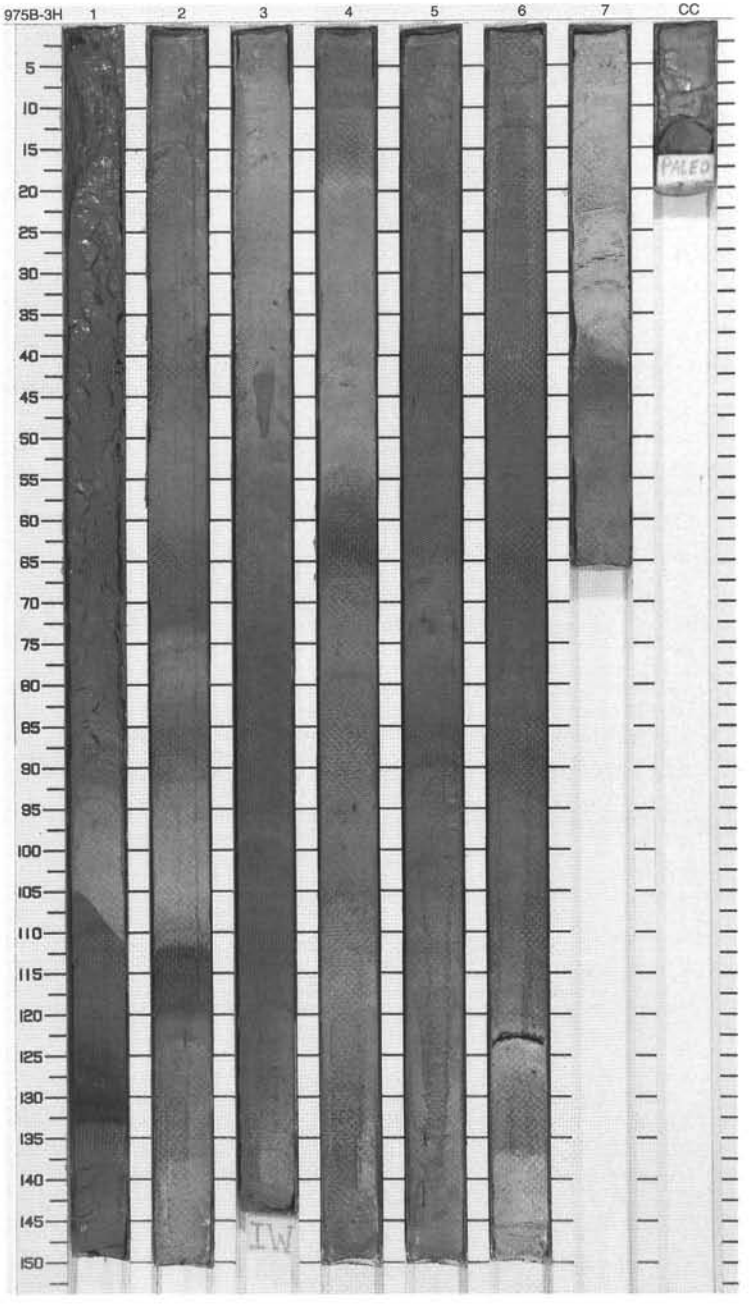
SITE 975 HOLE B CORE 2H CORED 4.1 - 13.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pleistocene		WWWWWWW	I	5Y 4/1	NANNOFOSSIL-RICH SILTY CLAY AND CALCAREOUS SILTY CLAY Major Lithology: *Two main lithologies are present:* light olive gray (5Y 5/2, 5Y 6/1) NANNOFOSSIL-RICH SILTY CLAY; olive gray (5Y 4/1) to light olive gray (5Y 5/1) CALCAREOUS SILTY CLAY. Shell fragments and pteropods occur throughout the core. General Description: One dark greenish gray (5GY 4/1) to olive gray (5Y 4/1) organic-rich layer is present in Section 3, 82–93 cm.
		2				S	5Y 5/2	
		3				S	5GY 6/1 To 5Y 4/2	
		4				I S		
		5					5Y 4/1 To 5Y 5/1	
		6						
		7						
		CC				M		



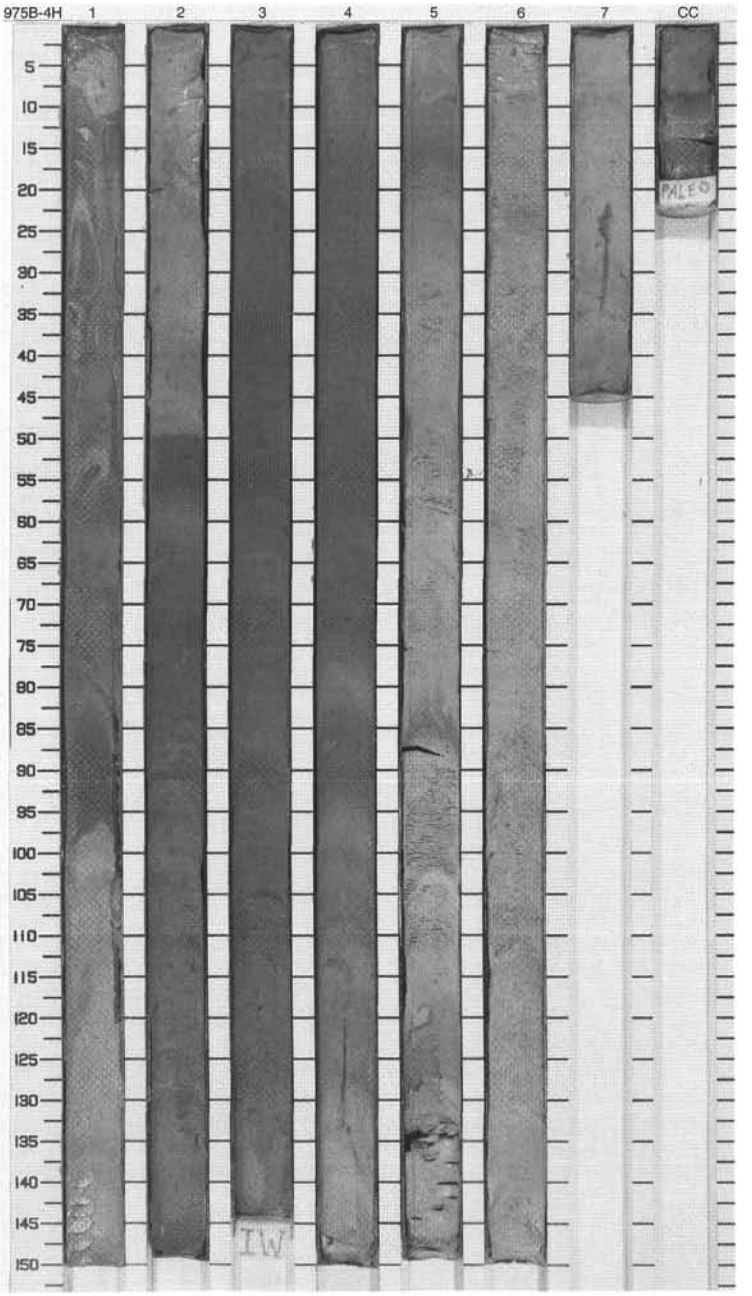
SITE 975 HOLE B CORE 3H CORED 13.6 - 23.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene			S, S, S, S, S, M	5Y 6/1 To 5Y 4/1; 5Y 4/1 To 5Y 5/2; 10Y 4/2; 5Y 4/1; 10Y 6/2; 5Y 5/2	NANNOFOSSIL AND CALCAREOUS CLAY TO SILTY CLAY Major Lithology: The core consists of alternating layers of light olive gray (5Y 6/1, 5Y 5/2) to olive gray (5Y 4/1) to grayish olive (10Y 4/2) NANNOFOSSIL AND CALCAREOUS CLAY to SILTY CLAY. Minor Lithology: One pale olive (10Y 6/2) bed of nannofossil ooze occurs in Section 7. General Description: Olive black (5Y 2/1) to olive gray (5Y 3/2, 5Y 4/1) organic-rich layers are present in Section 1, 130–133 cm; Section 2, 112–120 cm; Section 4, 60–65 cm; and Section 7, 39–45 cm.



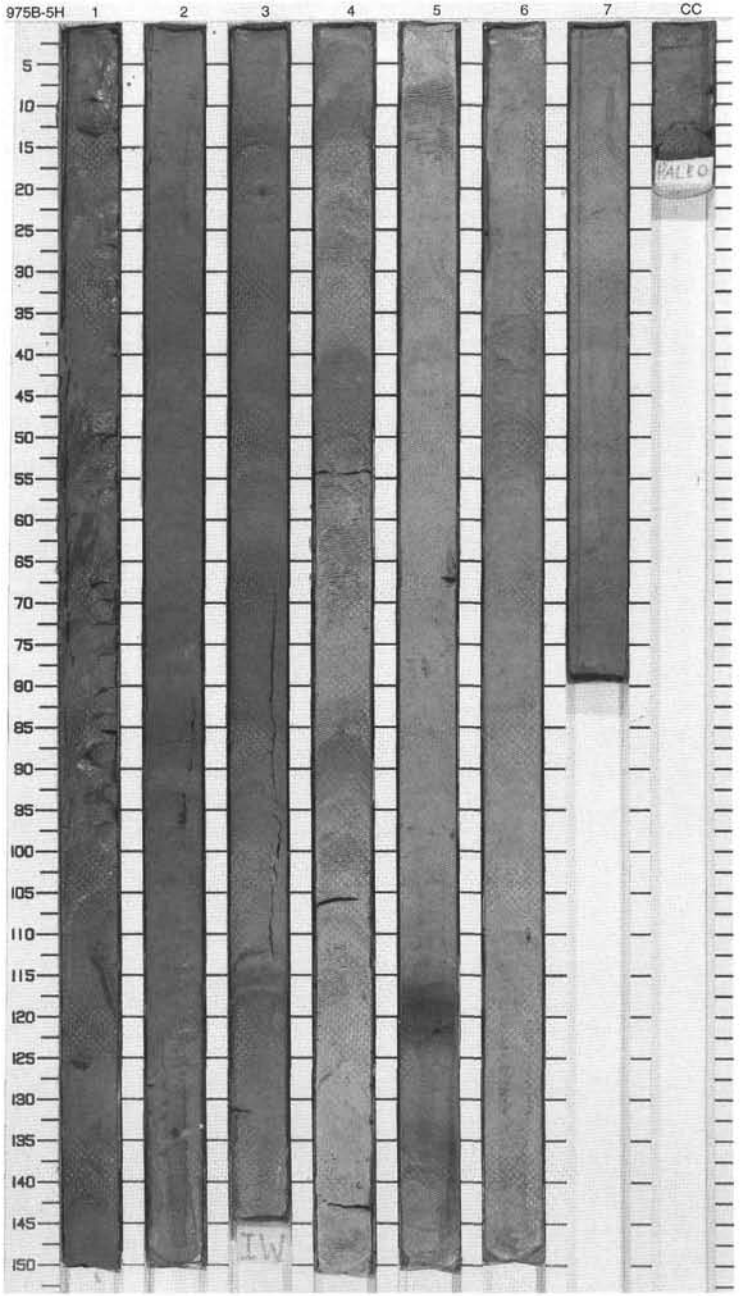
SITE 975 HOLE B CORE 4H CORED 23.1 - 32.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene		WWWWW	S, S, S, S, S, M	5Y 6/1 To 5Y 5/2; 5Y 4/1 To 5Y 5/2; 5Y 5/2	NANNOFOSSIL CLAY TO NANNOFOSSIL-RICH CLAY and NANNOFOSSIL OOZE Major Lithologies: The major lithologies are light olive gray (5Y 6/1, 5Y 5/2) NANNOFOSSIL CLAY to olive gray to light olive gray (5Y 4/1 to 5Y 5/2) NANNOFOSSIL-RICH CLAY, and light olive gray (5Y 5/2) NANNOFOSSIL OOZE. General Description: Olive gray (5Y 4/1) organic-rich layers are present in Section 2, 49.5–56.5 cm and in Section CC, 8–9.5 cm.



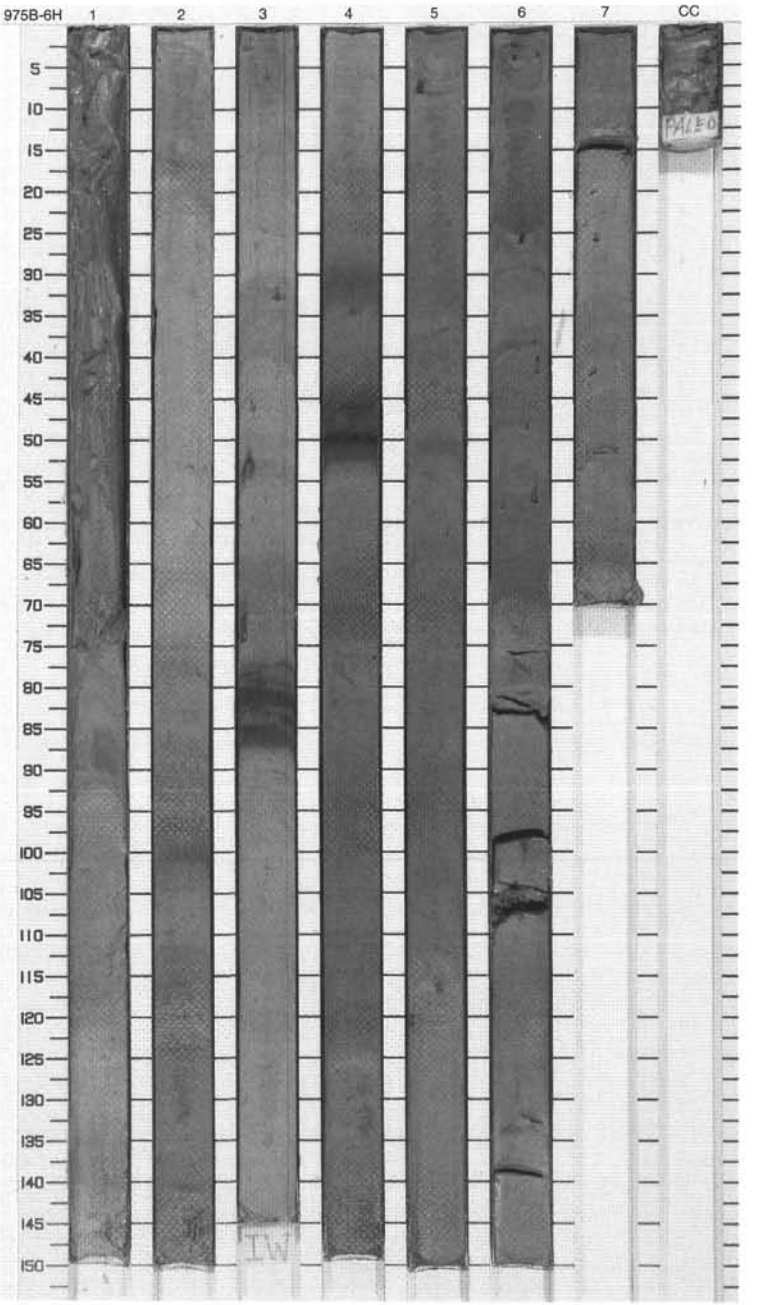
SITE 975 HOLE B CORE 5H CORED 32.6 - 42.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene		WWWWWW	S, I, S, S, M	5Y 5/2; 5Y 5/2 To 5Y 4/1; 5Y 5/2 To 5Y 6/1; 5Y 7/2; 5Y 6/1; 5Y 4/1; 5Y 5/1; 5Y 5/2 To 5Y 6/1	CALCAREOUS SILTY CLAY, NANNOFOSSIL OOZE, and NANNOFOSSIL CLAY Major Lithologies: The major lithologies are light olive gray to olive gray (5Y 5/2 to 5Y 4/1) CALCAREOUS SILTY CLAY, light olive gray to yellowish gray (5Y 5/2 to 5Y 7/2) NANNOFOSSIL OOZE, and light olive gray (5Y 5/2, 5Y 6/1) to olive gray (5Y 4/1) NANNOFOSSIL CLAY. General Description: Olive gray to light olive brown (5Y 3/2 to 5Y 5/6) organic-rich layers are present in Section 1, 58–67 cm; Section 3, 113–117.5 cm; Section 5, 37.5–41 cm, 116–123.5 cm, and 133–137 cm.



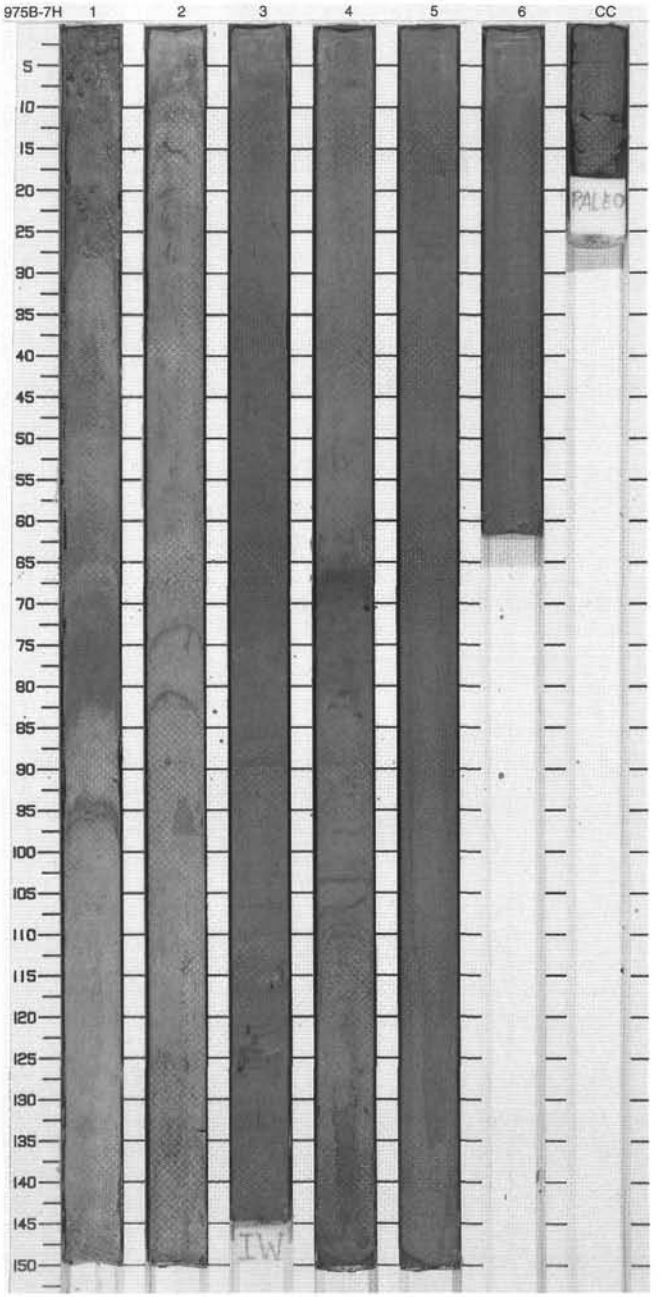
SITE 975 HOLE B CORE 6H CORED 42.1 - 51.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pleistocene				5Y 5/2	NANNOFOSSIL CLAY TO CALCAREOUS SILTY CLAY Major Lithology: Two main sediment types are present in this core. The lighter colored of the two is a NANNOFOSSIL CLAY which ranges from light olive gray (5Y 5/2) to light olive gray (5Y 6/1). The darker ranges from grayish olive (10Y 4/2) to olive gray (5Y 4/1) in color and is a CALCAREOUS SILTY CLAY. Color banding occurs in both of the principal types but is more common in the NANNOFOSSIL CLAY. Banding colors range from light to moderate olive brown (5Y 5/6 to 5Y 4/4, respectively). Minor Lithologies: Organic-rich layers are present in Section 3 at 77–87 cm and Section 4 at 44–53 cm.
		2				S	5Y 5/2 To 5Y 6/1	
		3						
		4				I	10Y 4/2 To 5Y 4/1	
		5				S	5Y 4/1	
		6					10Y 4/2 To 5Y 5/2	
		7						
		CC				M		

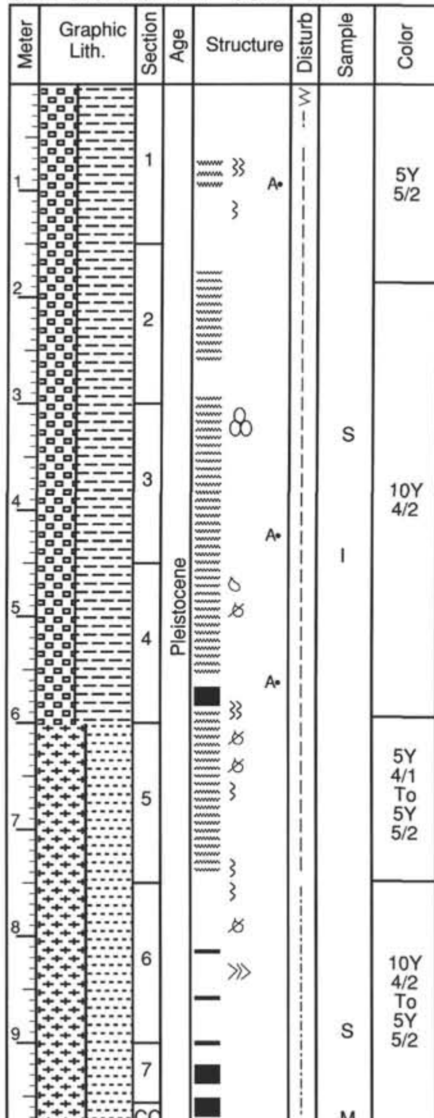


SITE 975 HOLE B CORE 7H CORED 51.6 - 61.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	Pleistocene		W	S / S / I / M	5Y 6/1 To 5Y 5/2; 5Y 5/2 To 5Y 4/1; 5Y 5/2; 5Y 4/1	CALCAREOUS SILTY CLAY Major Lithology: The main sediment type is a CALCAREOUS SILTY CLAY in which the carbonate component is composed of trace–20% foraminifers, 10–15% nannofossils and about 20% unidentified bioclasts. The terrigenous component is dominantly clay with minor volcanic glass and quartz. The main colors are light olive gray (5Y 5/2 and 5Y 6/1) and olive gray (5Y 4/1). Rare color bands are light olive brown (5Y 5/6) and dark gray (N3). General Description: The base of Sections 4 (below 131 cm), 5, 6, and the Core Catcher have been affected by flow-in. An organic-rich layer is present from 66–70.5 cm in Section 4. The unit is olive gray (5Y 3/2) in color.



SITE 975 HOLE B CORE 8H CORED 61.1 - 70.6 mbsf

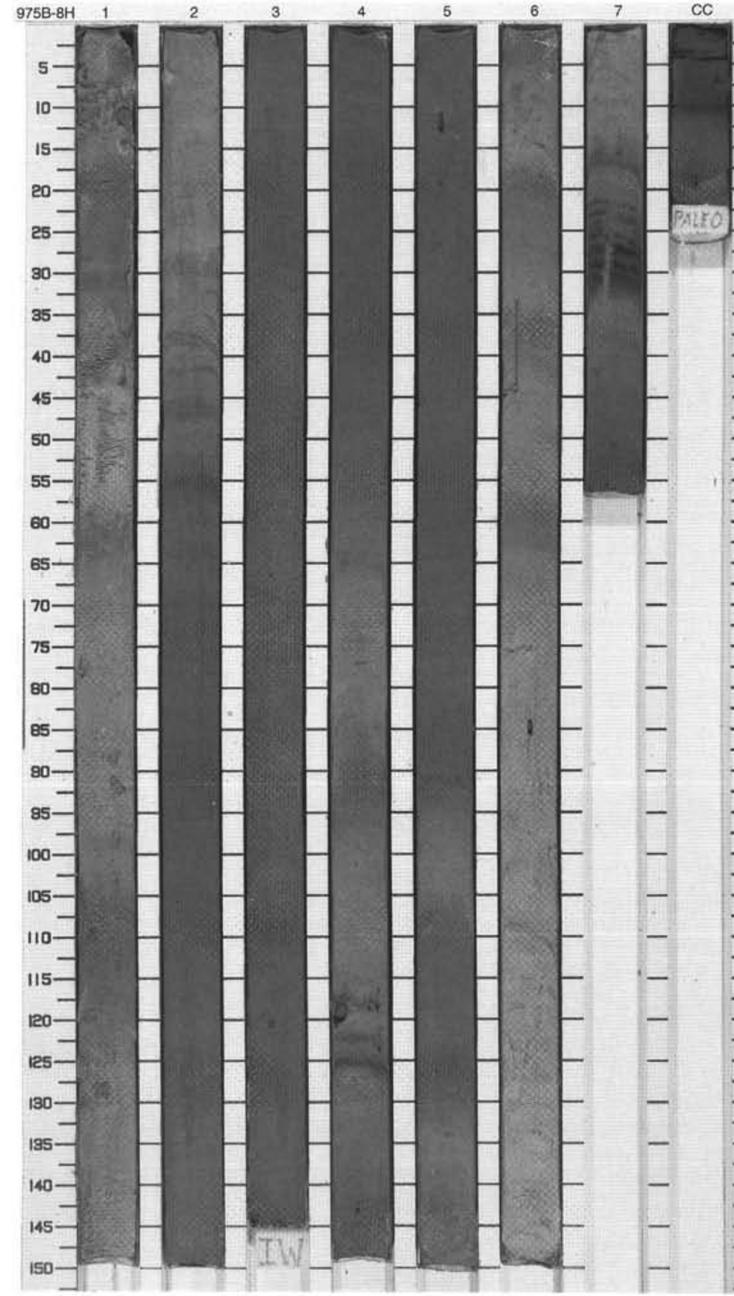


Description

FORAMINIFER-NANNOFOSSIL CLAY AND CALCAREOUS SILTY CLAY

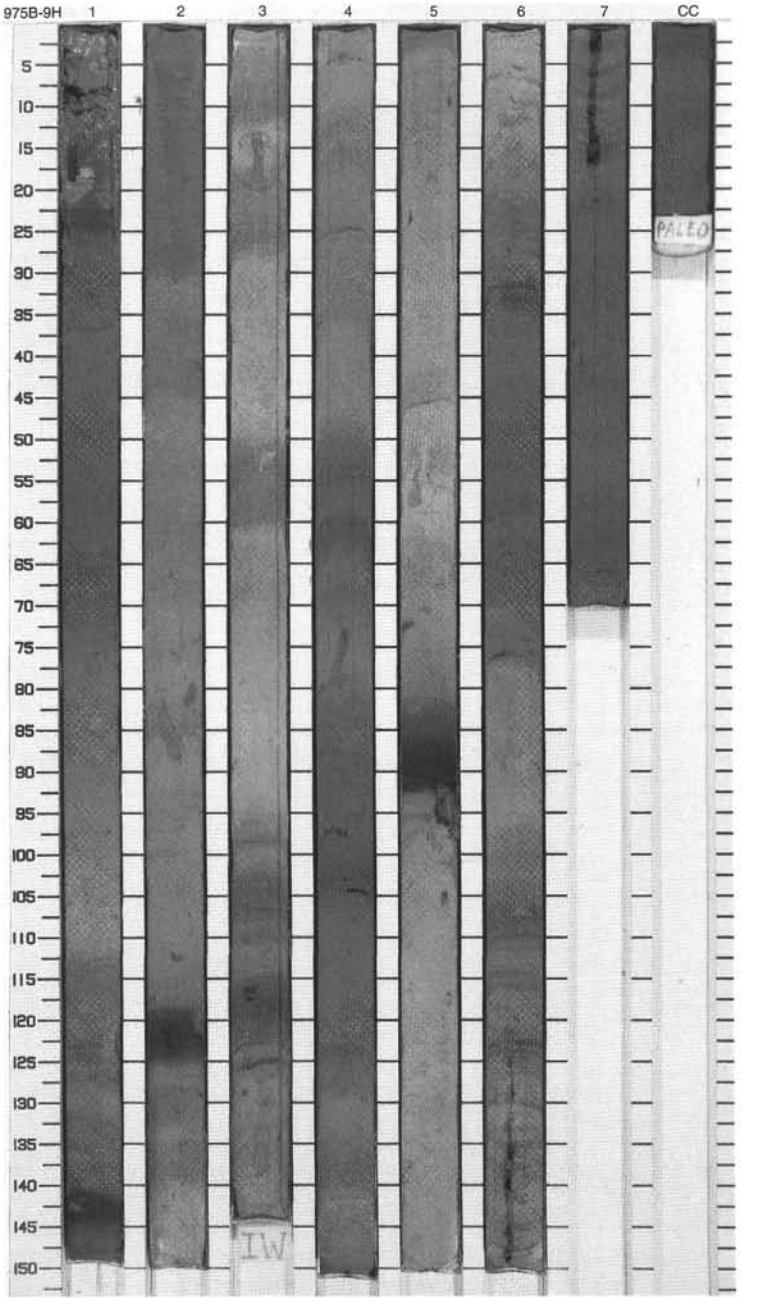
Major Lithology:
The predominant lithologies are alternating intervals of light olive gray (5Y 5/2), olive gray (5Y 4/1), and grayish olive (10Y 4/2) FORAMINIFER- NANNOFOSSIL CLAY AND CALCAREOUS SILTY CLAY. The silt component is primarily dispersed foraminifers and shell fragments, with lesser amounts of glass. Faint color bands of light olive brown (5Y 5/6) and light olive gray (5Y 5/2) are common.

General Description:
Overall, identifiable bioturbation is rare, but cemented *Zoophycos* burrows are present in Section 5 at 12 cm and in Section 6 at 82 cm. Medium gray (N5) ash pods are present in Sections 1, 3, and 4. There are two thin lamina of foraminifer silt in Section 3 at 22 and 24 cm. Organic-rich layers are present in Section 4, 125–126 cm, Section 7, 21–32 cm, and Section CC, 6–11 cm.



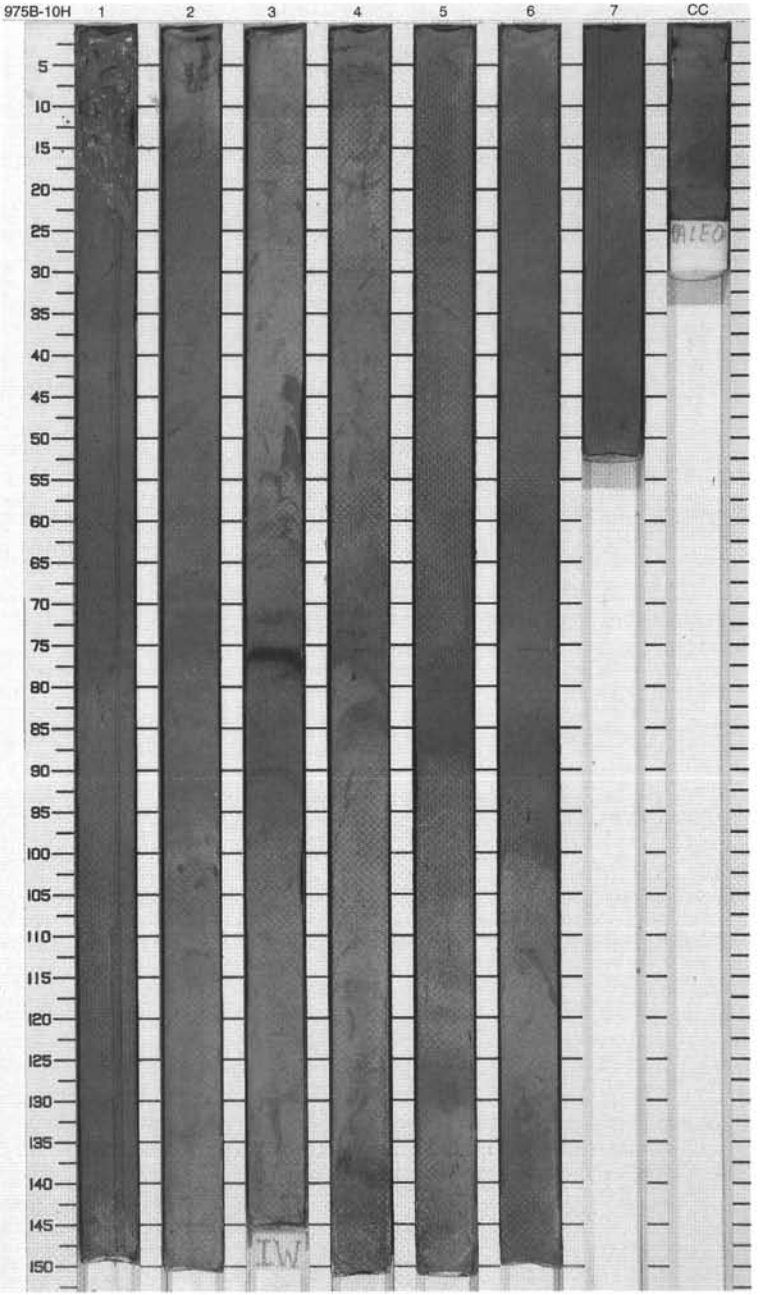
SITE 975 HOLE B CORE 9H COVERED 70.6 - 80.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene			S, I, S, S, S, M	5Y 5/2 To 5Y 4/1; 5Y 5/2 To 5Y 6/1; 5Y 5/2 To 10Y 4/2	NANNOFOSSIL SILTY CLAY TO CALCAREOUS CLAY AND SILTY CLAY Major Lithology: The main lithology is a SILTY CLAY with between 5–10% foraminifers and 15–20% nannofossils. The main color is light olive gray with subordinate olive gray (5Y 4/1), light olive gray (5Y 6/1), moderate olive brown (5Y 4/4), and grayish olive (10Y 4/2). Color banding is present in a few places, and is mainly moderate olive brown (5Y 4/4) to dark gray (N3). General Description: Organic-rich layers are present at 13–25 cm and 141–145 cm in Section 1, 119–125 cm in Section 2, 115–123 cm in Section 3 (weak), 59.5–62 cm in Section 4 (very weak), 82–92.5 cm in Section 5, 32–33 cm in Section 6 (weak), and 122–124 cm in Section 6 (?composite). Colors for these units range from grayish olive (10Y 4/2) to olive black (5Y 2/1).



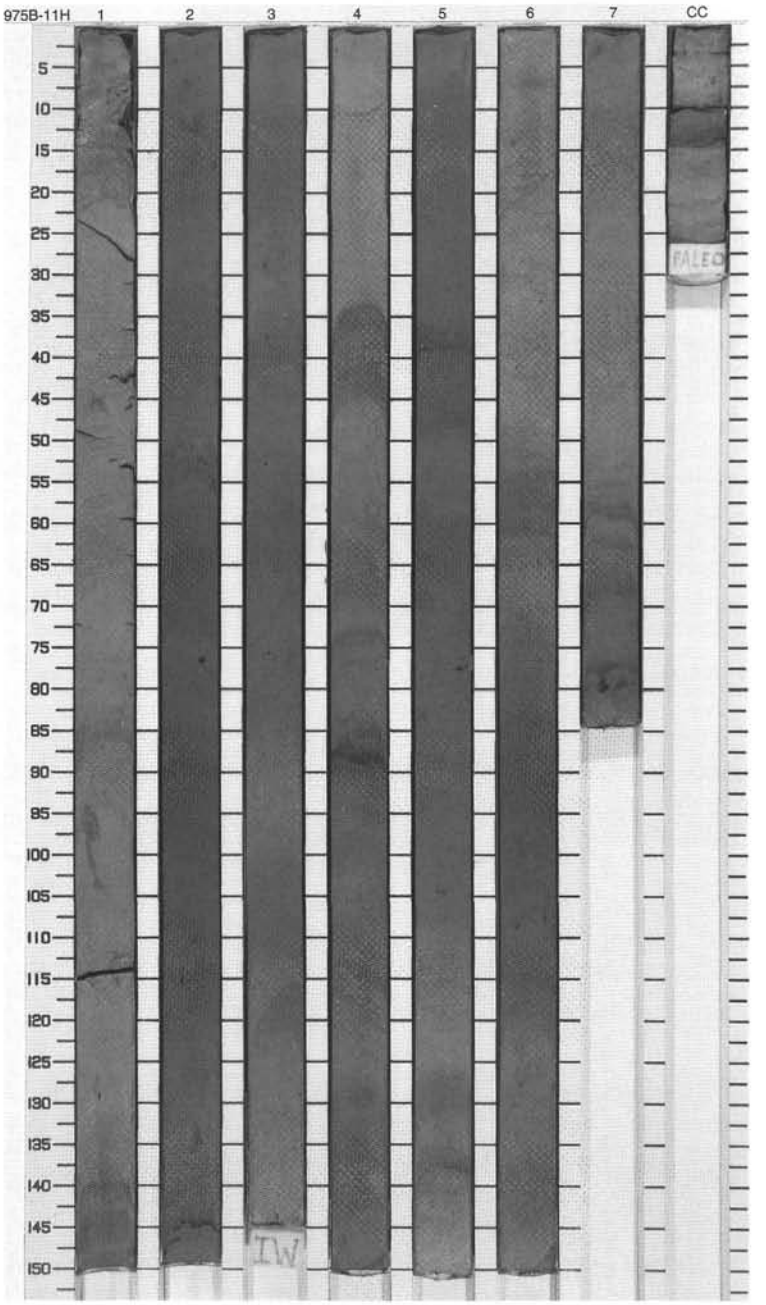
SITE 975 HOLE B CORE 10H CORED 80.1 - 89.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene			S, S, M	5Y 5/2; 5Y 5/2 To 5Y 6/1; 5Y 4/1; 5Y 5/2	CALCAREOUS CLAY AND NANNOFOSSIL-FORAMINIFER SANDY CLAY Major Lithology: The major lithologies are light olive gray (5Y 5/2, 5Y 6/1) to olive gray (5Y 4/1) CALCAREOUS CLAY and NANNOFOSSIL-FORAMINIFER SANDY CLAY. The silt to sand component throughout the core comprises dispersed foraminifer and shell fragments. General Description: Brownish black and brownish gray (5Y 2/1, 5Y 4/1) organic-rich intervals occur in Section 3, 75.5–77.5 cm and Section 4, 137–140 cm.



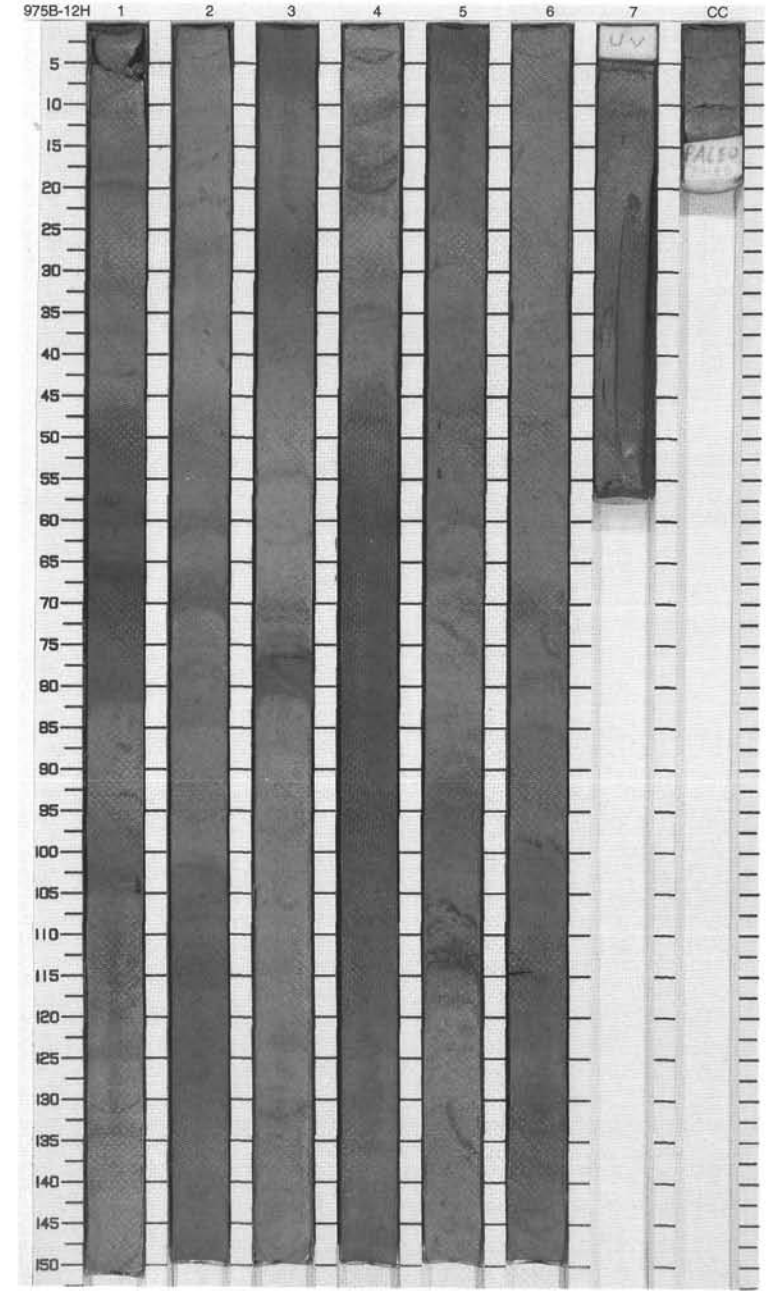
SITE 975 HOLE B CORE 11H CORED 89.6 - 99.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	Pleistocene		WWW		5Y 5/2	NANNOFOSSIL CLAY Major Lithology: The main sediment type is NANNOFOSSIL CLAY. The sediment is predominantly light olive gray (5Y 5/2) and olive gray (5Y 4/1) with common pale color bands of light olive brown (5Y 5/6) and light olive gray (5Y 6/1). Fine sand-sized foraminifers and shell fragments are present throughout the core. General Description: Olive gray to olive black (5Y 4/1 to 5Y 2/1) organic-rich intervals occur in Section 4, 87–90 cm; Section 7, 78–80 cm; and Section CC, 12–14 cm.
		2				S	5Y 4/1	
		3					5Y 5/2	
		4				S		
		5					5Y 5/2 To 5Y 4/1	
		6				S		
		7						
		CC				S M		



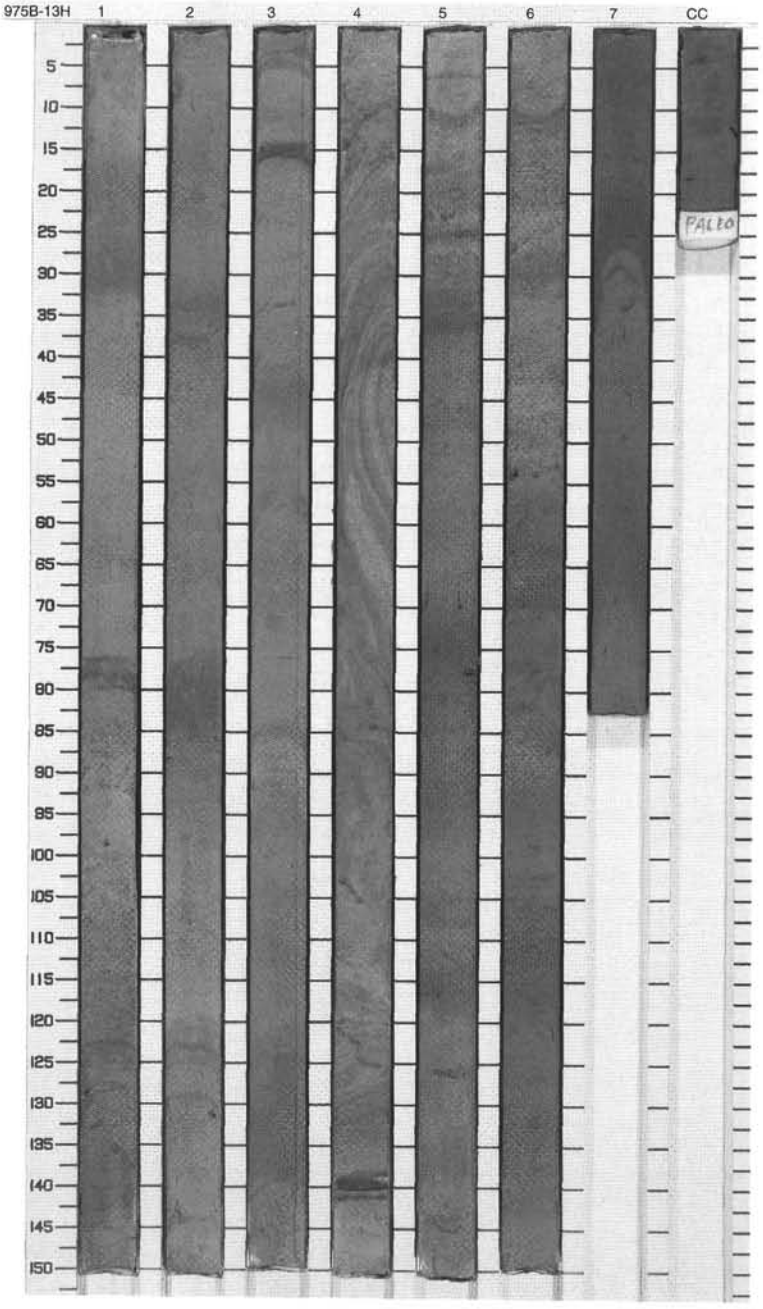
SITE 975 HOLE B CORE 12H CORED 99.1 - 108.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pleistocene			S	5Y 5/2 To 5Y 4/1	NANNOFOSSIL CLAY Major Lithology: The major lithology is light olive gray (5Y 5/2) and olive gray (5Y 4/1; 5Y 3/2) NANNOFOSSIL CLAY with pale color bands of dark yellowish brown (10YR 4/2) and moderate olive brown (5Y 4/4). Minor Lithologies: A few intervals of light olive gray (5Y 5/2, 5Y 6/1) and dark yellowish brown (10YR 4/2) calcareous silty clay with scattered sand-sized foraminifers and shell fragments are present. General Description: Olive gray (5Y 3/2) organic-rich layers occur in Section 1, 65–67 cm and Section 5, 107–110 cm.
		2				S		
		3				S		
						S	5Y 5/2	
		4				S	5Y 4/1 To 5Y 3/2	
		5						
		6				S	5Y 5/2	
		7					5Y 4/1 To 5Y 5/2	
		CC				M		



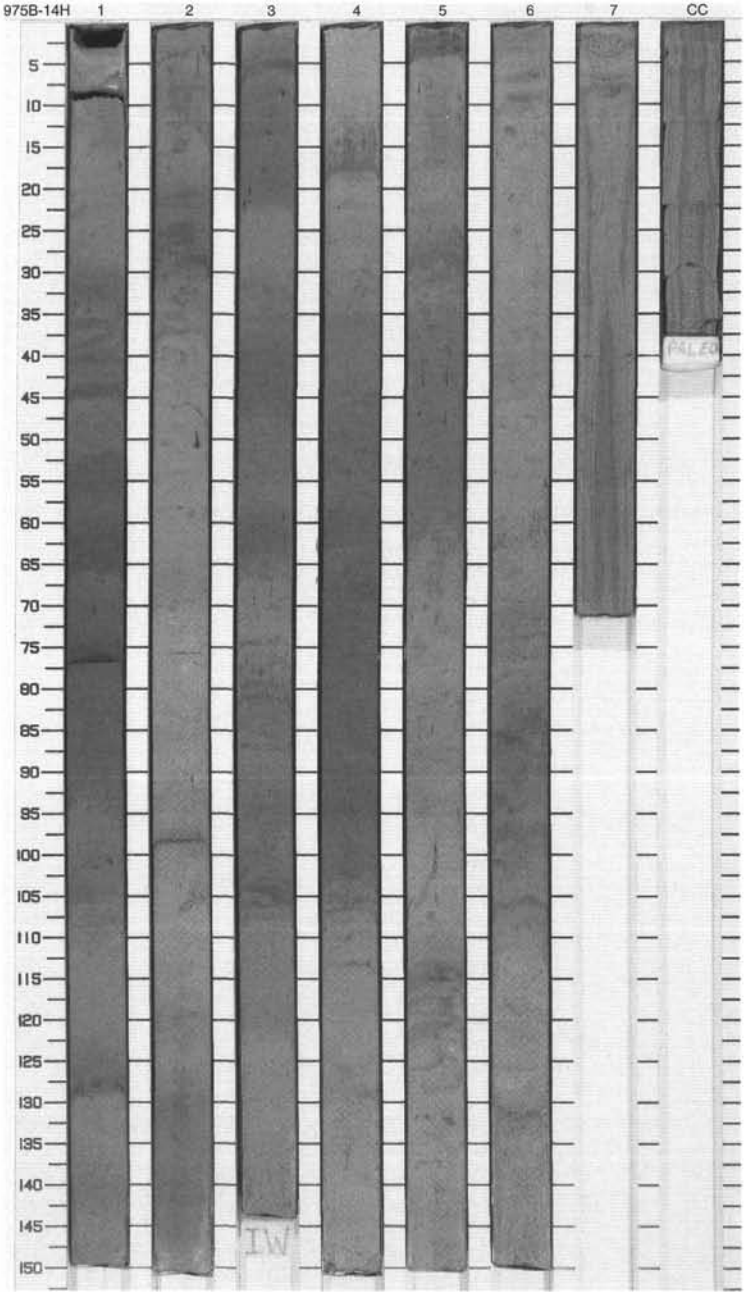
SITE 975 HOLE B CORE 13H CORED 108.6 - 118.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	late Pliocene–Pleistocene				5Y 5/2 To 5Y 4/1	NANNOFOSSIL CLAY AND CALCAREOUS CLAYEY SILT Major Lithology: Two major sediment types are present: light olive gray (5Y 5/2, 5Y 6/1) to olive gray (5Y 4/1) and moderate olive brown (5Y 4/4) NANNOFOSSIL CLAY and olive gray (5Y 4/1) to light olive gray (5Y 4/1) CALCAREOUS CLAYEY SILT. Minor Lithology: Thinly interbedded to interlaminated variegated foraminifer-nannofossil ooze, calcareous silty clay, and nannofossil clay occur in a slump fold structure within Section 4. A diagentic oxidation front cross-cuts the deformed bedding within this sequence.
		2				S	5Y 6/1 To 5Y 4/4	
		3				S		
		4				S S S	5Y 5/2 To 5G 6/1	
		5				S	5Y 5/2 To 5Y 4/1	
		6				S	5Y 4/1	
		7						
		CC				M		



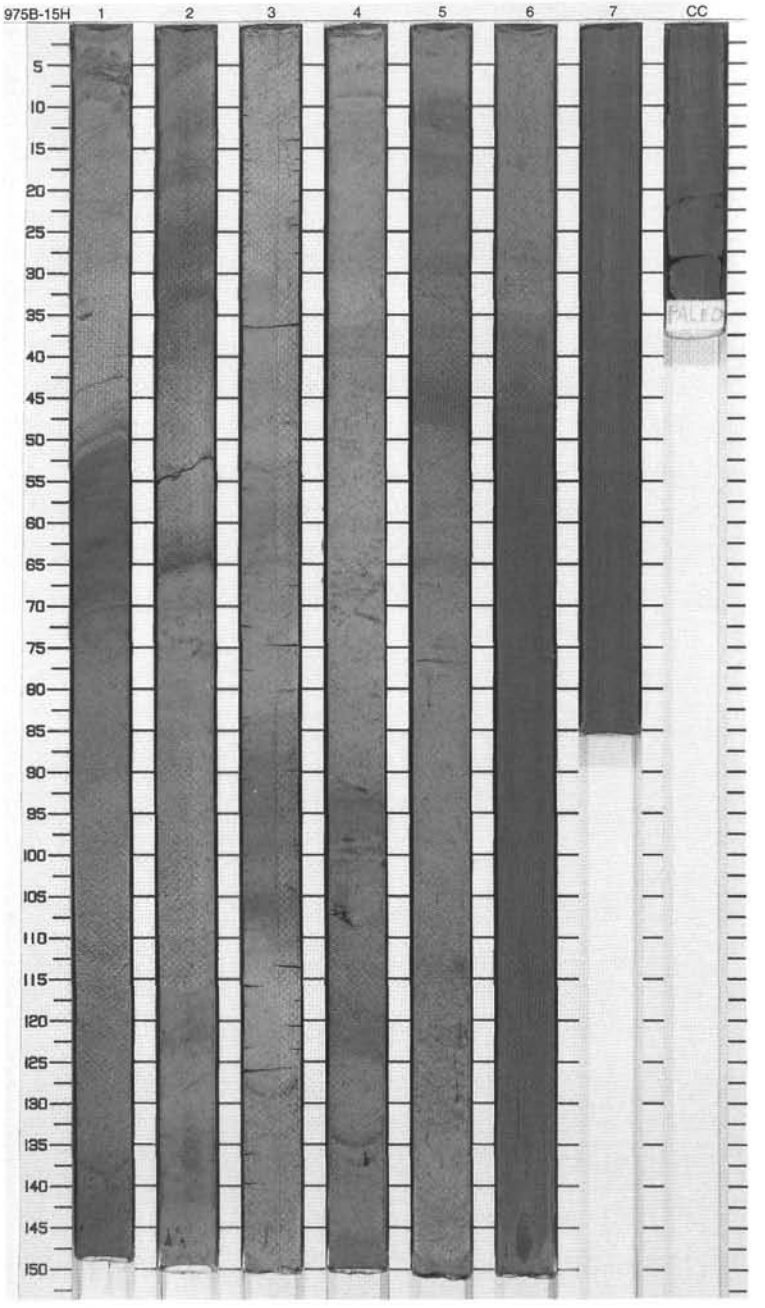
SITE 975 HOLE B CORE 14H CORED 118.1 - 127.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	late Pliocene–Pleistocene	P		S	5Y 4/1	NANNOFOSSIL CLAY Major Lithology: The major sediment type is light olive gray (5Y 5/2) to olive gray (5Y 4/1) NANNOFOSSIL CLAY with pale color bands of olive gray (5Y 3/2) and moderate olive brown (5Y 4/4). Minor Lithology: A few intervals of foraminifer-rich sandy-silty clay are present. General Description: Burrow replaced by pyrite occurs at 103 cm in Section 1. Burrow types include Chondrites. A thin, organic- and forminifer-rich clay layer occurs at 76–77 cm in Section 1.
							5Y 5/2	
		2				S	5Y 5/2 To 5Y 4/1	
							5Y 4/1	
		3				I	5Y 4/1 To 5Y 5/2	
		4					5Y 4/1	
							5Y 5/2	
		5					5Y 4/1	
							5Y 5/2	
		6					5Y 4/1	
							5Y 5/2	
		7					5Y 4/1 To 5Y 4/2	
		CC				M		



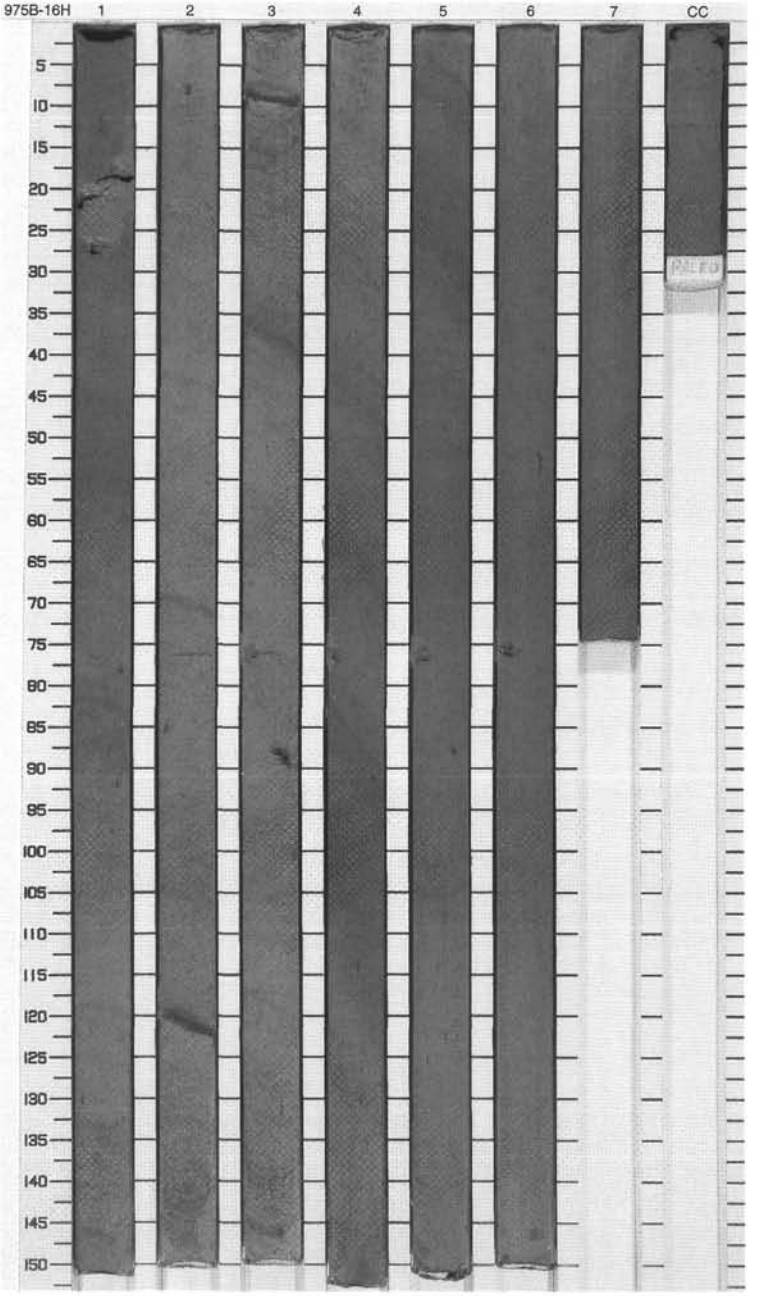
SITE 975 HOLE B CORE 15H CORED 127.6 - 137.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	late Pliocene			S	5Y 6/1	NANNOFOSSIL-RICH SILTY CLAY AND NANNOFOSSIL CLAY Major Lithology: The major lithologies are light olive gray (5Y 6/1) to olive gray (5Y 4/1) NANNOFOSSIL-RICH SILTY CLAY and light olive gray (5Y 5/2) NANNOFOSSIL CLAY with pale color bands of olive gray (5Y 4/1). Minor Lithology: A few intervals of calcareous silty clay are present. General Description: Burrow replaced by pyrite occurs at 106 cm in Section 4. A thin organic-rich pale yellowish brown (10YR 6/2) layer occurs at 53 cm in Section 2.
							5Y 4/1	
							5Y 6/1	
		2				S	5Y 4/1	
		3				S	5Y 5/2	
		4					5Y 4/1	
		5				S	5Y 5/2	
		6				S	10YR 4/2	
		7						
		CC				M		



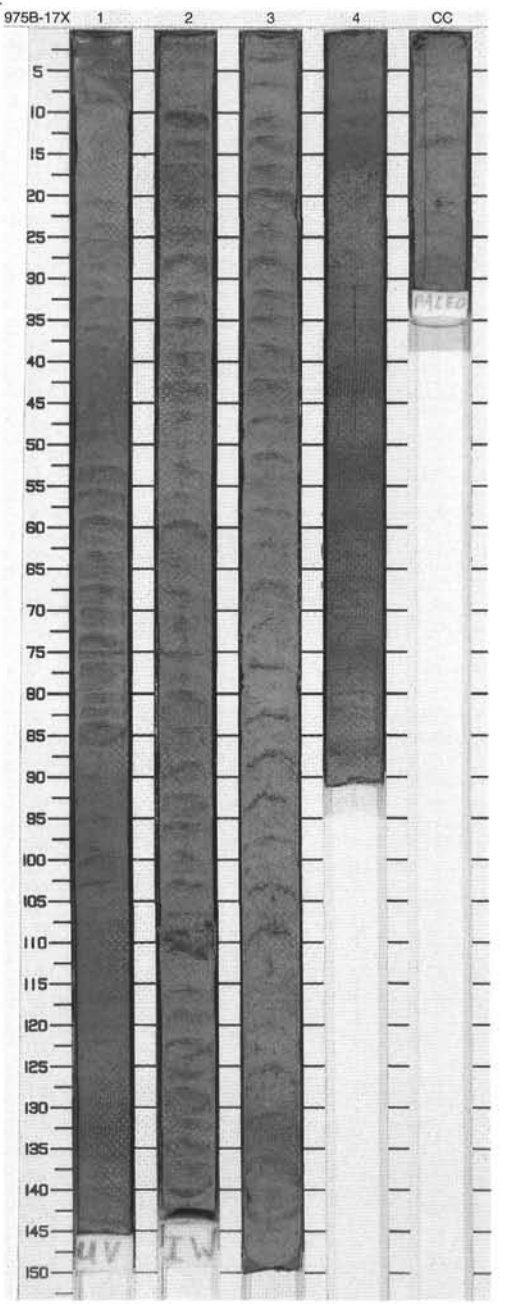
SITE 975 HOLE B CORE 16H CORED 137.1 - 146.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, CC	late Pliocene			S / M	5Y 5/2; 5Y 5/2 To 5Y 4/1; 5Y 4/1	NANNOFOSSIL CLAY Major Lithology: The main sediment type is a color banded NANNOFOSSIL CLAY in which the carbonate percentage ranges from 35% to 60%. Color ranges from mainly light olive gray (5Y 5/2) in the upper part of the core to olive gray (5Y 4/1) near the base. Very faint color banding is present where the core is not deformed. Foraminifer tests are visible throughout. Minor Lithologies: Rare laminae of foraminifer tests are present in Section 2 at 120 cm and in Section 3 at 6 cm. These layers have sharp bases and abruptly graded tops. General Description: Color banding is inclined to the core barrel with the dip increasing down core in Sections 3 and 4. A dip direction reversal occurs at the base of Section 4. The stratigraphic interval in Section 5 from 5–35 cm is a repeat of the base of Section 4.



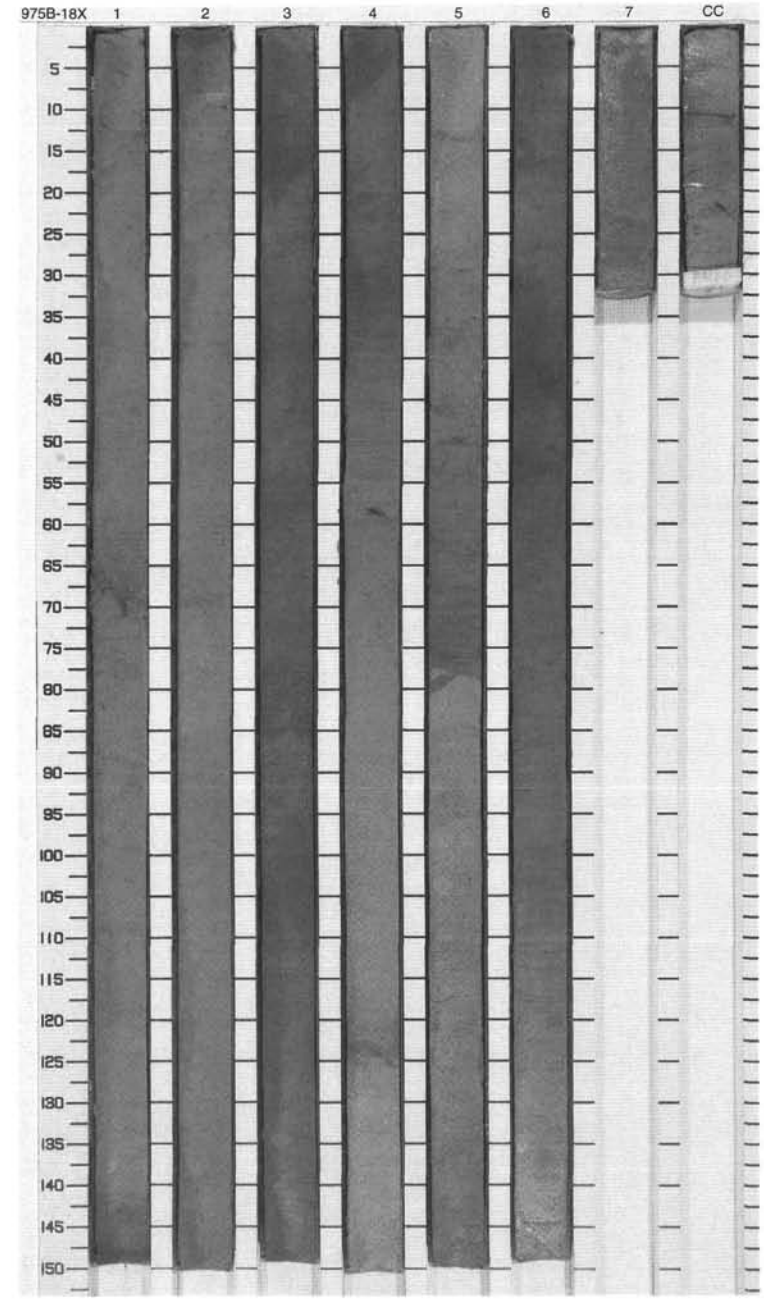
SITE 975 HOLE B CORE 17X CORED 146.6 - 156.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1, 2, 3, 4, CC	late Pliocene			S, S, I, S, M	5Y 5/2	NANNOFOSSIL-FORAMINIFER CLAY to NANNOFOSSIL CLAY Major Lithology: The predominant lithologies are NANNOFOSSIL-FORAMINIFER CLAY AND NANNOFOSSIL CLAY with visible dispersed foraminfers throughout. The primary color is light olive gray (5Y 5/2), with intervals of grayish olive (10Y 4/2). Color bands range from moderate olive brown (5Y 4/4) to olive gray (5Y 4/1). General Description: Burrows in the upper 15 cm of Section 4 may be faulted. A thin lamina of nannofossil-foraminifer sandy clay is present in Section 2 at 110–112 cm.



SITE 975 HOLE B CORE 18X CORED 156.3 - 166.3 mbsf

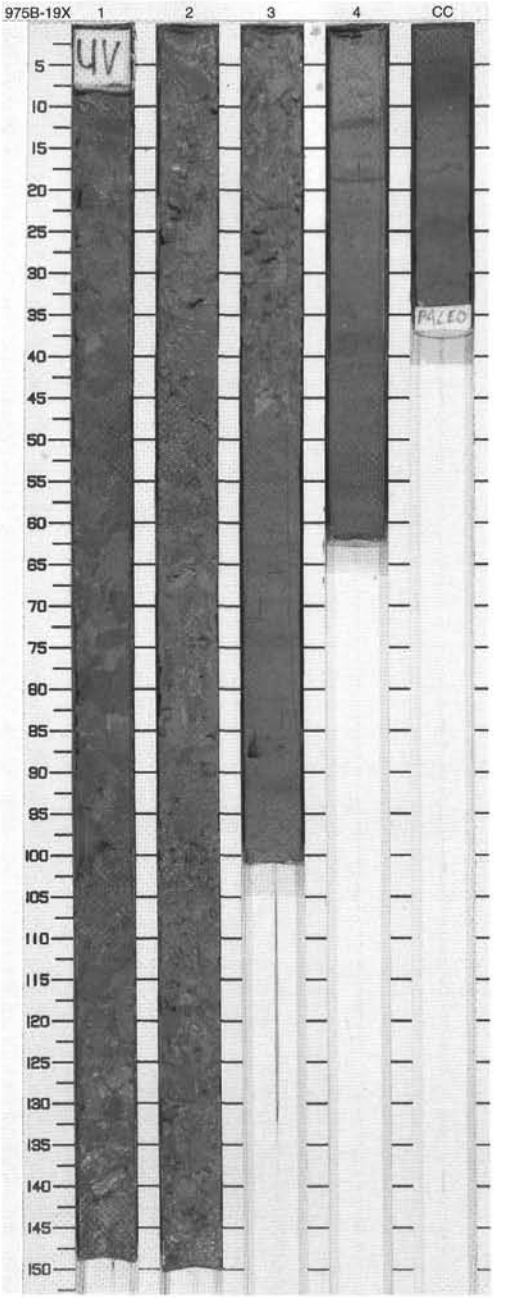
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Pliocene			S, S, M	5Y 5/2; 5Y 5/2 To 5Y 4/1	NANNOFOSSIL CLAY Major Lithology: The predominant lithology is light olive gray (5Y 5/2) to olive gray (5y 4/1) NANNOFOSSIL CLAY with disseminated foraminifers throughout. The percentage of nannofossils varies downcore between 40–50%, with lighter intervals having higher nannofossil and foraminifer contents. The bases of the darker (5Y 4/1) intervals may have sharp or gradational contacts. The transition from dark up into light intervals is almost always bioturbated.



SITE 975 HOLE B CORE 19X CORED 166.3 - 176.4 mbsf

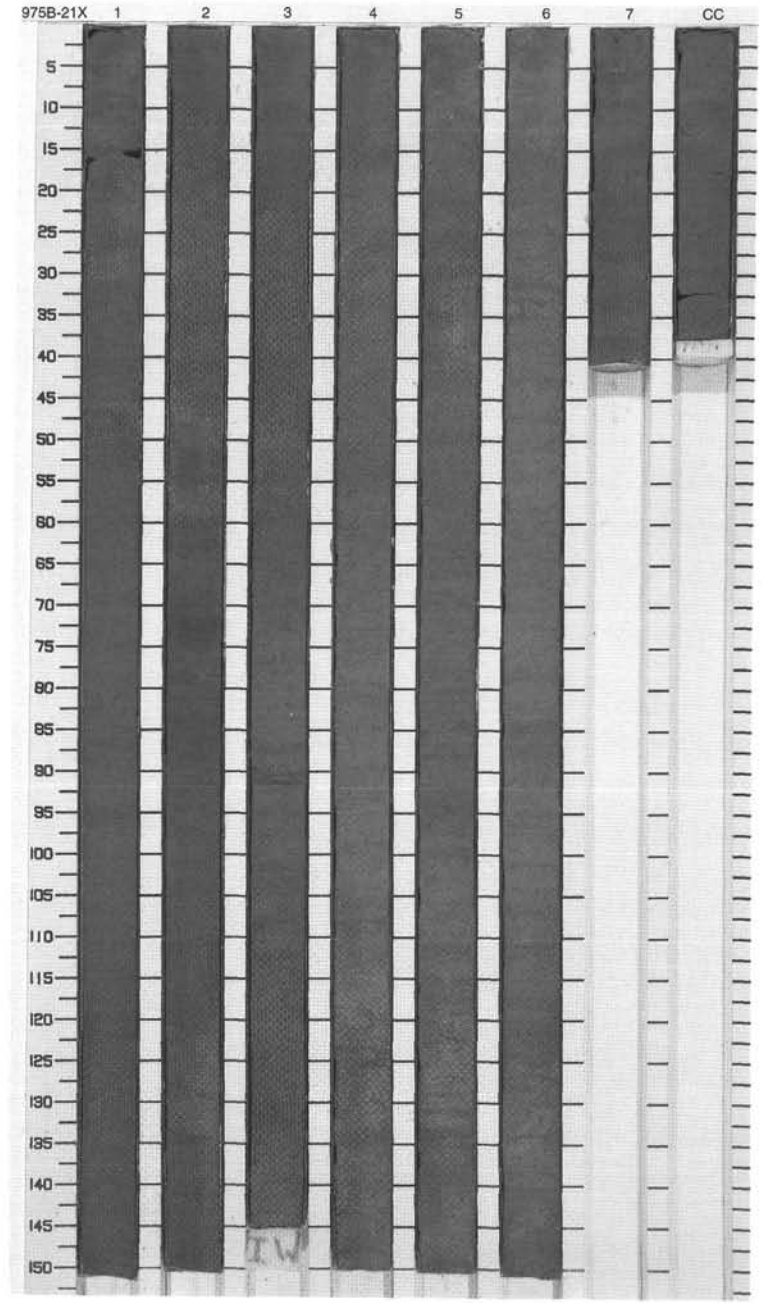
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–4		1, 2, 3, 4, CC	late Pliocene			S S S M	5Y 4/1 To 10Y 4/2 5Y 4/1 To 5Y 5/2	NANNOFOSSIL CLAY Major Lithology: The main sediment type is a NANNOFOSSIL CLAY containing up to 40% nannofossils and subordinate amounts of foraminifers. The main colors are grayish olive (5Y 4/1) to light olive gray (5Y 5/2). Banding is common. Minor Lithology: Minor amounts of calcareous clay are present throughout the cored interval. General Description: Sections 1, 2, and 0–45 cm of Section 3 consist of clasts of olive gray (5Y 4/1) calcareous clay in a grayish olive (10Y 4/2) matrix probably created by drilling. One organic-rich layer is present from 4–11 cm in the Core Catcher. This unit is grayish olive (10Y 4/2).

975B 20X Entire core given to micropalentologists.



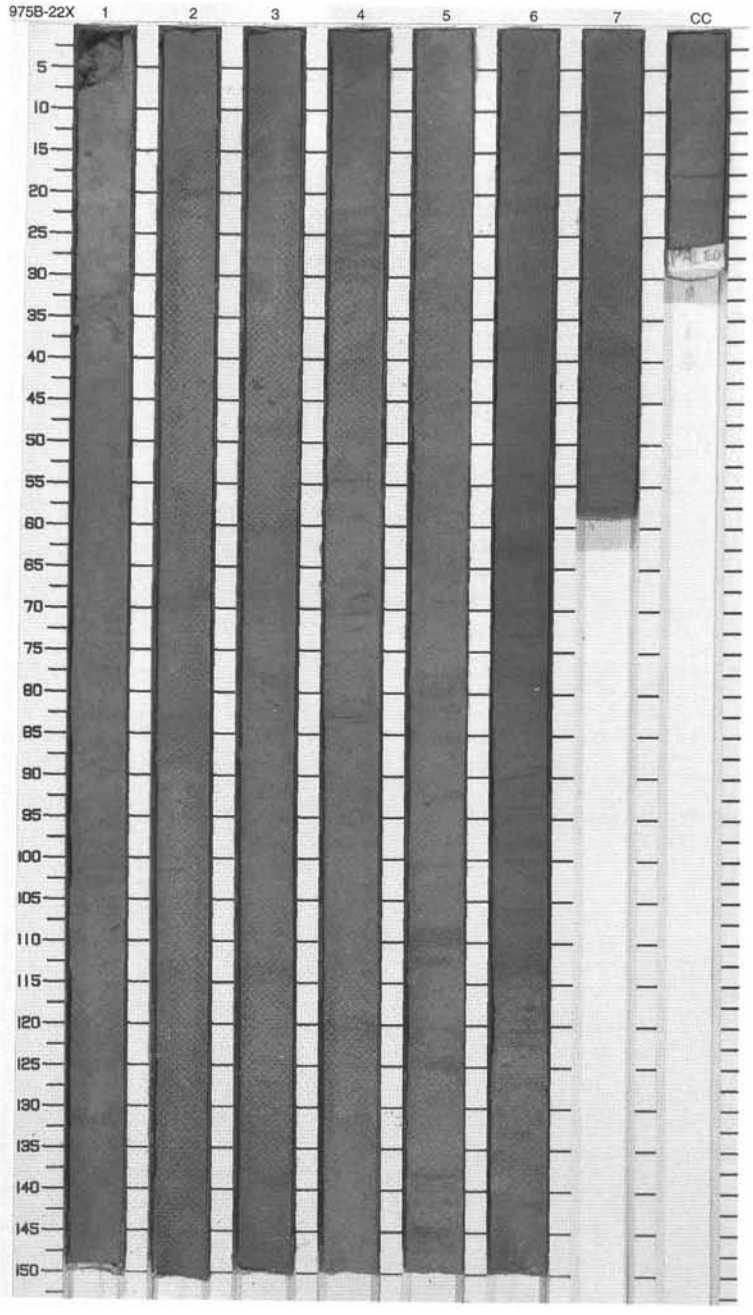
SITE 975 HOLE B CORE 21X CORED 186.4 - 196.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene				5Y 5/2	NANNOFOSSIL CLAY Major Lithology: *The main sediment type is a* NANNOFOSSIL CLAY with sparse foraminifers visible throughout. The unit is strongly to moderately burrowed with Chondrites traces present in Sections 2, 4, and 6, and *Zoophycos* and *Cylindricus* may also be present. Colors in the unit range from olive gray (5Y 4/1) to grayish olive (10Y 4/2) and light olive gray (5Y 5/2). Most banding is defined by light olive brown (5Y 5/6). General Description: The core is visibly biscuited throughout *except near the base of Sections 3* and 4.
		2					5Y 4/1	
		3				I	10Y 4/2 To 5Y 4/1	
		4				S	5Y 5/2	
		5						
		6						
		7					5Y 4/1	
		CC				M	5Y 5/2	



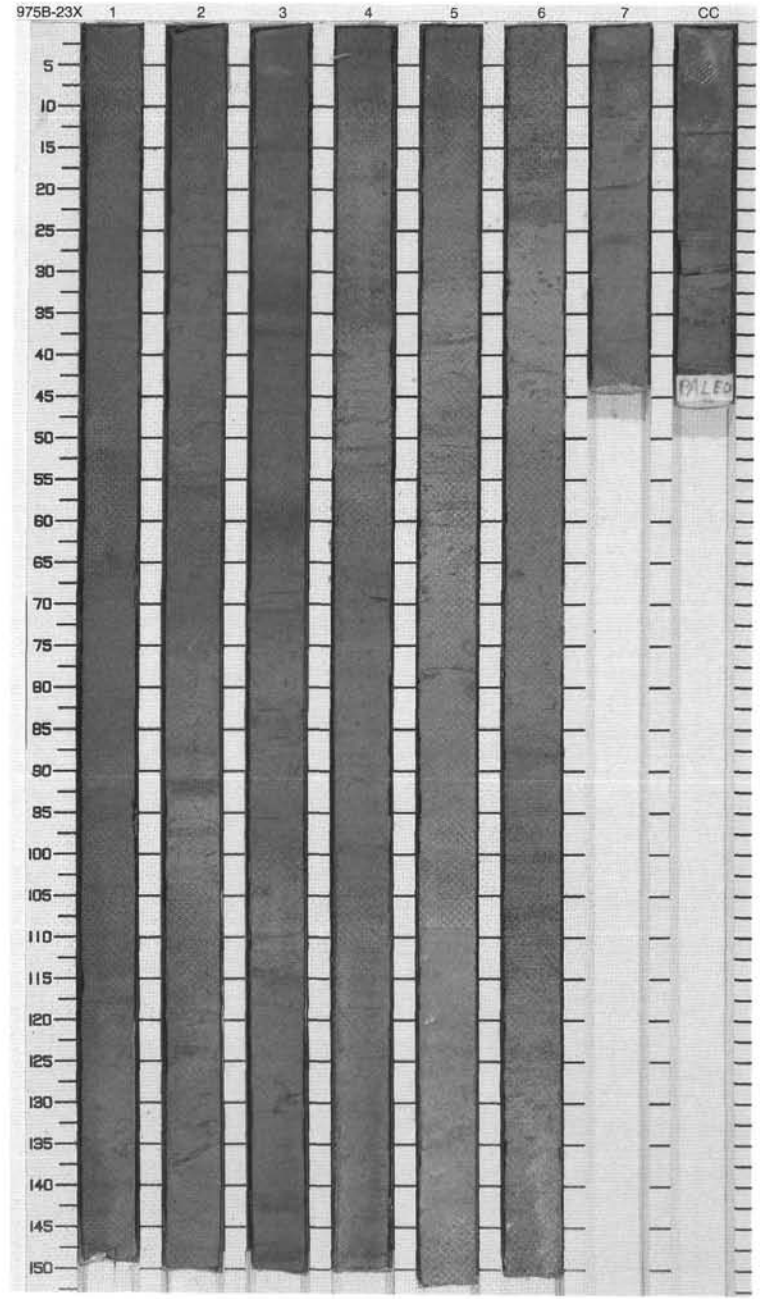
SITE 975 HOLE B CORE 22X CORED 196.2 - 206.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Pliocene			S, M	5Y 5/2; 5Y 4/1	NANNOFOSSIL CLAY Major Lithology: The main sediment type is a NANNOFOSSIL CLAY in which the carbonate fraction is dominated by nannofossils with subordinate foraminifers. Bioturbation, evidenced by abundant color mottling together with some discrete burrows, is present throughout. Color ranges from light olive gray (5Y 5/2) to olive gray (5Y 4/1) with some bands which are mostly moderate olive brown (5Y 4/4) in color. Identifiable burrows are mainly *Chondrites*, but *Planolites*(?) is also present. Foraminifer tests and small silt pods are visible throughout. General Description: Drilling-induced biscuits are present from the middle of Section 2 to the base of the core.



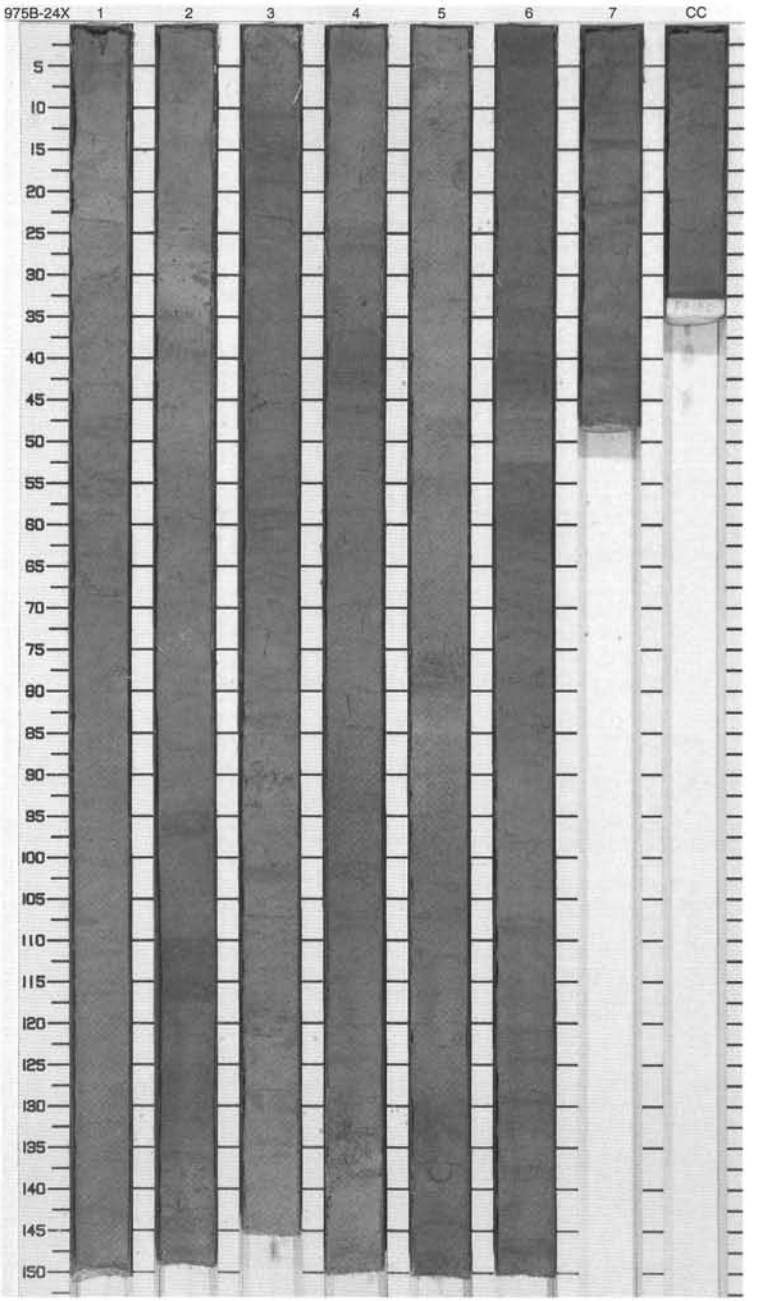
SITE 975 HOLE B CORE 23X CORED 206.2 - 215.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Pliocene			S, M	5Y 5/2; 10Y 4/2 To 10Y 6/2; 5Y 5/2	NANNOFOSSIL CLAY Major Lithology: The main sediment type is a light olive gray (5Y 5/2) NANNOFOSSIL CLAY with grayish olive (10Y 4/2) and pale olive (10Y 6/2) varieties also present. Bioturbation has produced color mottling throughout much of the core and numerous burrows, including *Zoophycos* and *Chondrites* are present. At least some of the horizontal bands are burrows. Faint color banding is common and foraminifer tests are visible throughout.



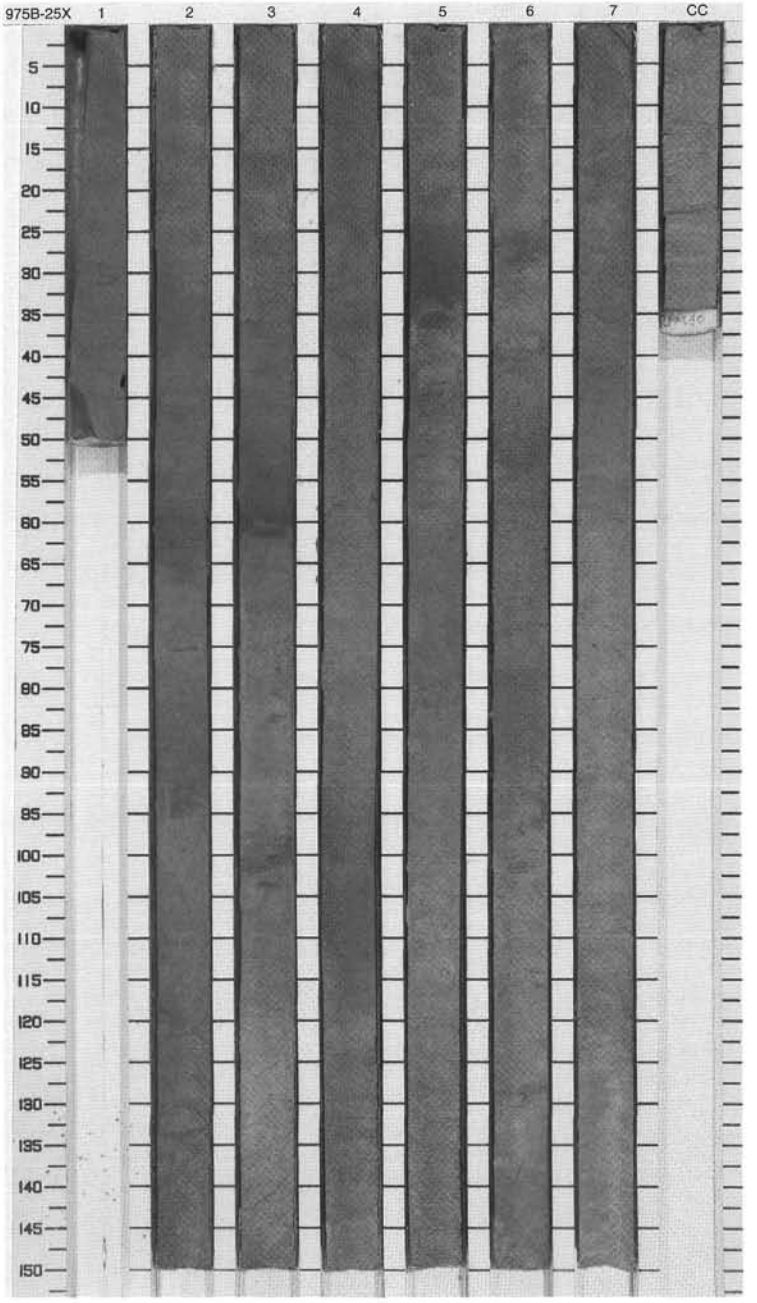
SITE 975 HOLE B CORE 24X CORED 215.9 - 225.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene			S	5Y 5/2 To 5Y 6/1	CALCAREOUS CLAY Major Lithology: The major lithology is light olive gray (5Y 5/2, 5Y 6/1) CALCAREOUS CLAY with color bands of yellowish gray (5Y 7/2) and olive gray (5Y 4/1). General Description: Burrows replaced by pyrite occur in Sections 3, 6, 7, and CC.
		2					5Y 7/2 To 5Y 4/1	
		3				I		
		4						
		5					5Y 5/2 To 5Y 6/1	
		6						
		7						
		CC				M		



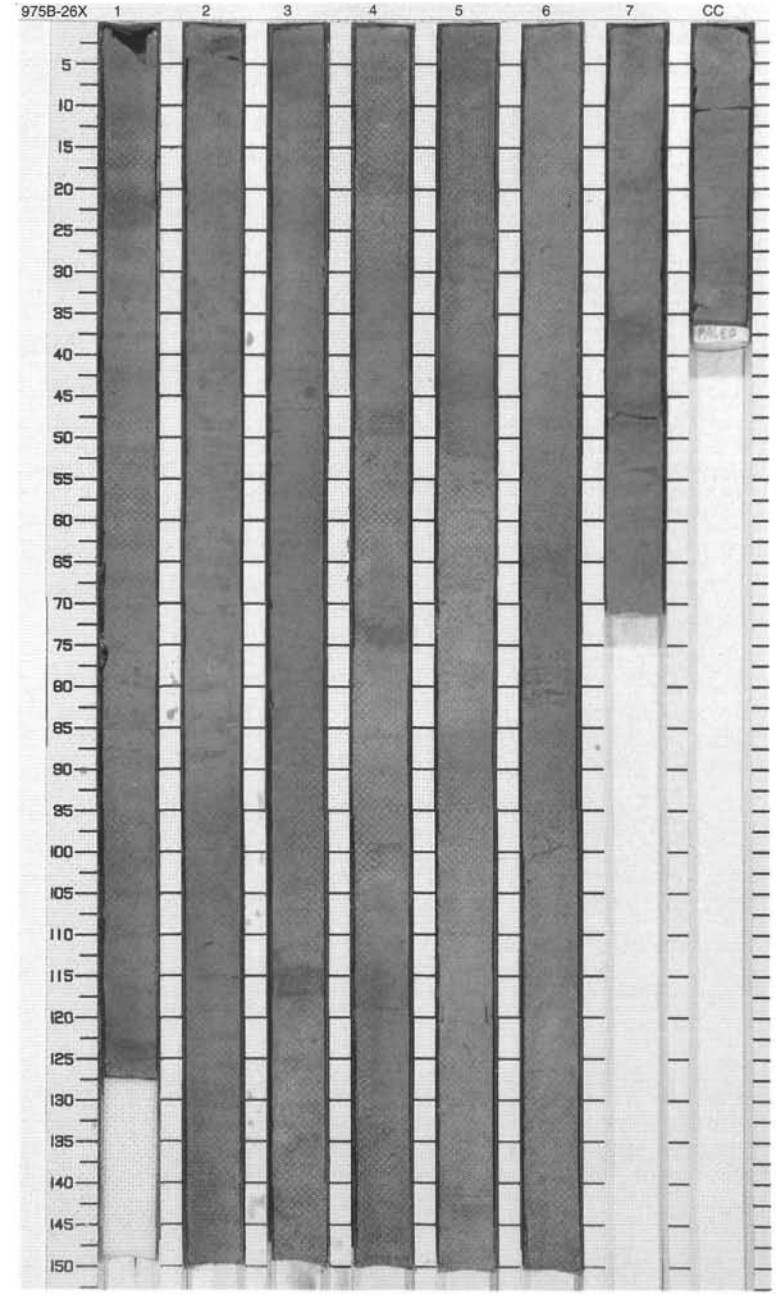
SITE 975 HOLE B CORE 25X CORED 225.4 - 235.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene–early Pliocene		WWW		5Y 5/2	CALCAREOUS SILTY CLAY Major Lithology: The core consists of moderately color banded to homogeneous CALCAREOUS SILTY CLAY which contains up to 30% micrite. General Description: Part of Section 1 slipped from the liner and was washed from the core barrel.
		2					5Y 5/2 To 5Y 4/1	
		3						
							5Y 6/1	
		4						
		5				S	5Y 5/2	
						S		
		6						
							5Y 4/1 To 5Y 3/2	
		7						
		CC				M	5Y 5/2 To 5Y 4/4	



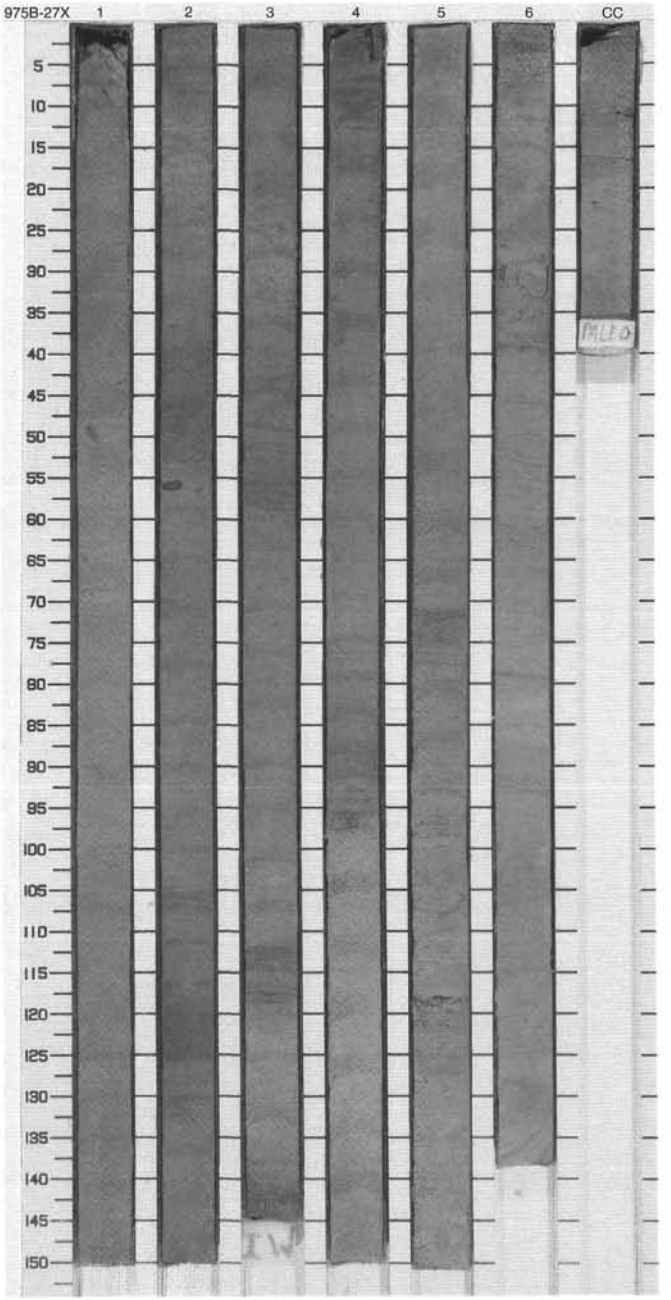
SITE 975 HOLE B CORE 26X CORED 235.1 - 244.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene				5Y 5/2	FORAMINIFER-RICH NANNOFOSSIL CLAY Major Lithology: The core consists of locally bioturbated FORAMINIFER-RICH NANNOFOSSIL CLAY. General Description: Section 1 is short because it slipped from the liner and was washed from the barrel.
		2						
		3						
		4				S	5Y 5/2 To 5Y 4/1	
		5					5Y 5/2	
		6						
		7					5Y 4/4	
		CC				M	5Y 5/2	



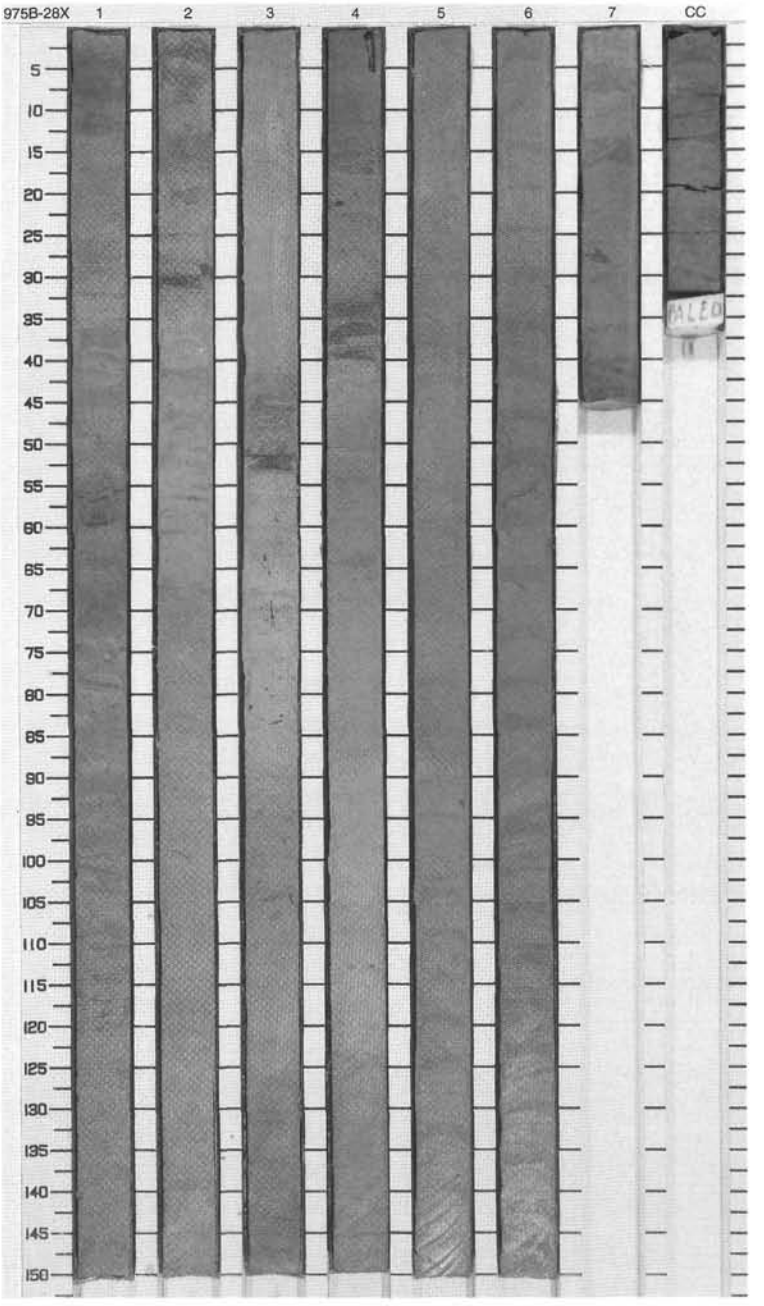
SITE 975 HOLE B CORE 27X CORED 244.8 - 254.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–6, CC	early Pliocene			S, S, I, S, M	5Y 5/2; 5Y 4/1; 5Y 5/2; 5Y 6/1; 5Y 5/2; 5Y 4/1; 5Y 5/2; 5Y 4/1	FORAMINIFER-RICH NANNOFOSSIL CLAY and NANNOFOSSIL-FORAMINIFER OOZE Major Lithologies: The major sediment types are light olive gray (5Y 5/2; 5Y 6/1) to olive gray (5Y 4/1) NANNOFOSSIL-FORAMINIFER OOZE to FORAMINIFER-RICH NANNOFOSSIL CLAY. Olive gray (5Y 4/1) layers of FORAMINIFER-RICH NANNOFOSSIL CLAY with faint parallel horizontal laminations are interbedded with moderately bioturbated, light olive gray (5Y 5/2) FORAMINIFER-RICH NANNOFOSSIL CLAY containing scattered sand-sized foraminifers. Discrete burrows occur in beds of homogeneous NANNOFOSSIL-FORAMINIFER OOZE. Minor Lithology: Calcareous olive gray (5Y 3/2) layer of nannofossil silty clay occurs at 120–126 cm in Section 2. General Description: The core exhibits drilling-biscuits.



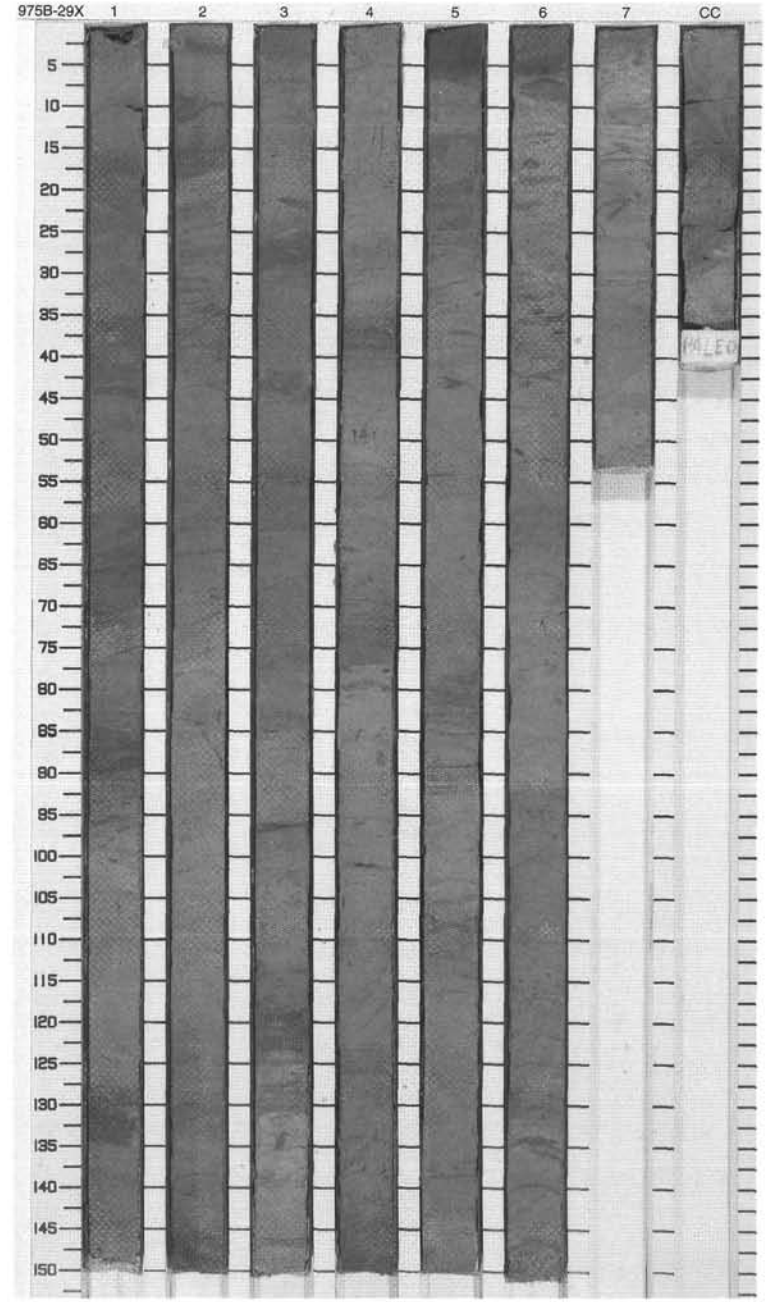
SITE 975 HOLE B CORE 28X CORED 254.5 - 264.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene				5Y 5/2 To 5Y 6/1	NANNOFOSSIL-FORAMINIFER SANDY CLAY and NANNOFOSSIL-FORAMINIFER OOZE Major Lithologies: The major lithologies are light olive gray (5Y 6/1; 5Y 5/2) NANNOFOSSIL-FORAMINIFER OOZE and NANNOFOSSIL-FORAMINIFER SANDY CLAY. Minor Lithology: A few intervals and thin intercalations of olive gray (5Y 4/1) to moderate olive brown (5Y 4/4) nannofossil-foraminifer clay occur with scattered sand-sized foraminifers. Pyrite pods occur in homogeneous intervals of nannofossil-foraminifer clay.
		2				S		
		3					5Y 5/2	
		4				S		
		5				S	5Y 6/1	
		6					5Y 5/2	
							5Y 6/1	
		7					5Y 5/2	
		CC				M		



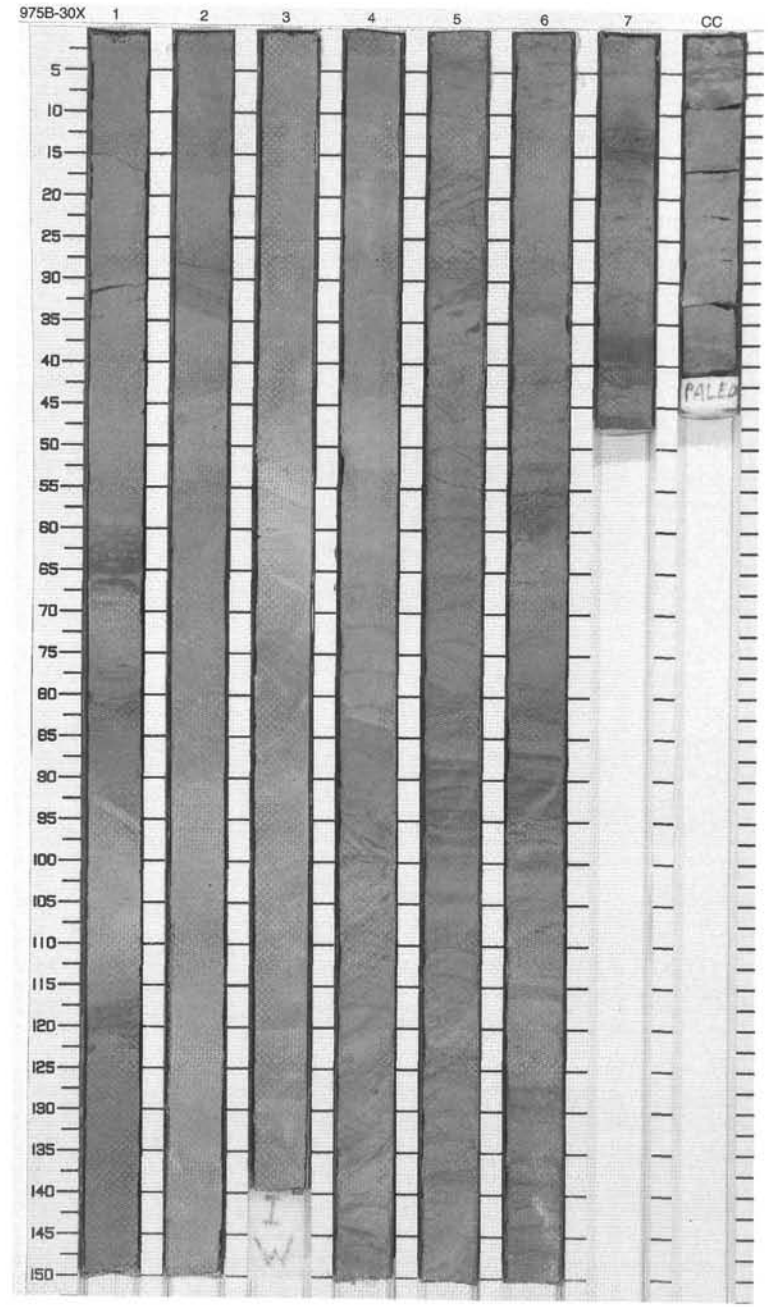
SITE 975 HOLE B CORE 29X CORED 264.1 - 273.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene				5Y 5/2 To 5Y 4/1	NANNOFOSSIL-FORAMINIFER CLAY Major Lithology: The major lithology is light olive gray (5Y 6/1; 5Y 5/2) to olive gray (5Y 4/1) NANNOFOSSIL-FORAMINIFER CLAY. Minor Lithology: Moderate olive brown (5Y 4/4) to light olive gray (5Y 5/2) banded intercalations of calcareous silty clay are present. General Description: Faintly parallel horizontal laminations occur at 59–68 cm and 83–99 cm in Section 1, 68–71 cm in Section 4, and 88–90 cm in Section 5. Burrows occur in all sections of this core, including *Zoophycos* and *Chondrites*. Pyrite pods occur in some homogeneous layers of NANNOFOSSIL-FORAMINIFER CLAY.
		2				S	5Y 5/2	
		3					5Y 5/2 To 5Y 4/1	
		4					5Y 5/2 To 5Y 4/4	
		5				S	5Y 5/2	
		6				S	5Y 4/1	
		7					5Y 5/2	
		CC				M		



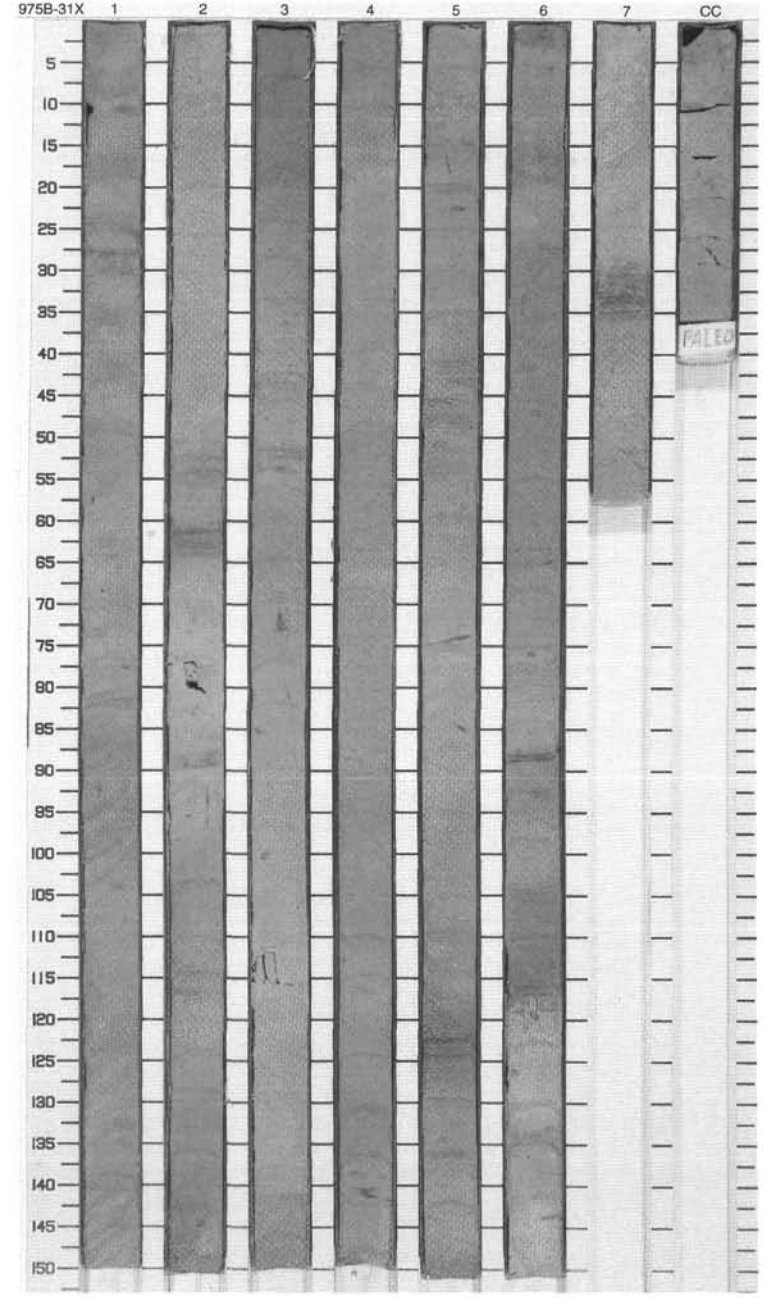
SITE 975 HOLE B CORE 30X CORED 273.6 - 283.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene			S	5Y 5/2	NANNOFOSSIL OOZE Major Lithology: The major lithology is light olive gray (5Y 6/1 to 5Y 5/2) NANNOFOSSIL OOZE with local *Zoophycos* and *Chondrites* burrows. Minor Lithology: The minor lithology is olive gray (5Y 5/2) nannofossil clay.
							5Y 6/1	
		2						
		3				I	5Y 5/2 To 5Y 6/1	
		4				S		
						S		
		5						
							5Y 5/2	
		6				S		
							5Y 6/1 To 5Y 5/2	
		7						
		CC				M		



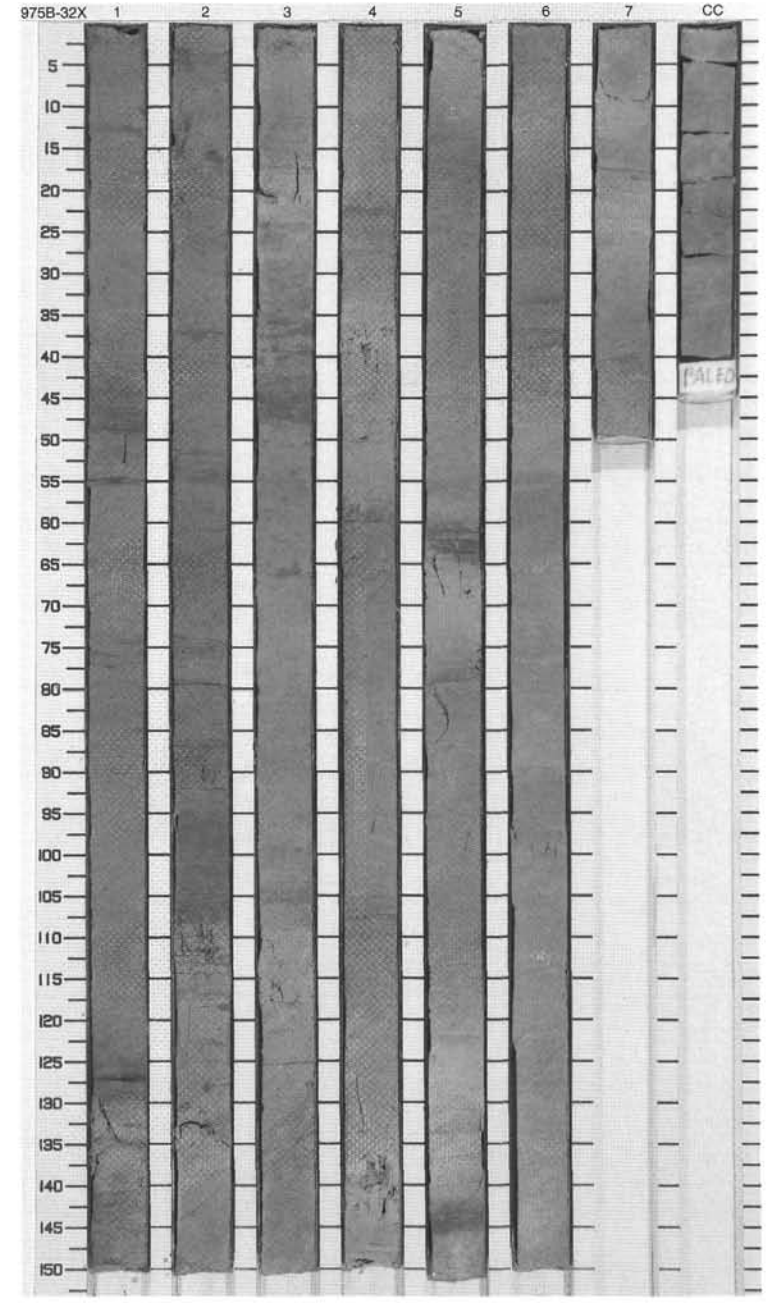
SITE 975 HOLE B CORE 31X CORED 283.8 - 292.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene			S	5Y 5/2 To 5Y 6/1	NANNOFOSSIL OOZE Major Lithology: The main sediment type is light olive gray (5Y 5/2) NANNOFOSSIL OOZE which is extensively bioturbated and locally color-banded in dusky yellow (5Y 6/4). Minor Lithology: Light olive gray (5Y 5/2) foraminifer-rich nannofossil ooze is present in the most heavily burrowed intervals and is most often found in, or adjacent to, individual burrows. General Description: Burrows of *Zoophycos* and *Chondrites* are common.
		2					5Y 5/2	
		3					10Y 6/2	
		4						
		5				S	5Y 5/2 To 5Y 6/4	
		6						
		7						
		CC				M		

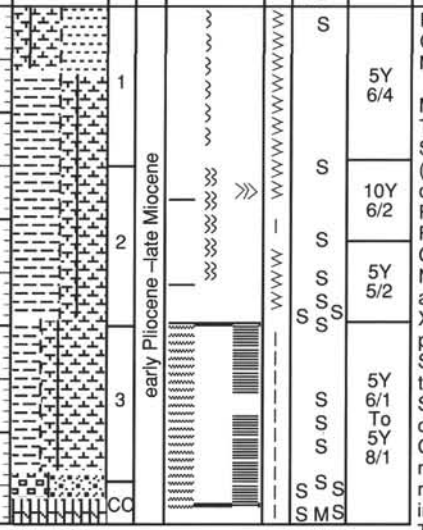


SITE 975 HOLE B CORE 32X CORED 292.8 - 302.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene			S	5Y 5/2	NANNOFOSSIL OOZE Major Lithology: The predominant lithology is NANNOFOSSIL OOZE, light olive gray (5Y 5/2) to pale olive gray (10Y 6/2) in color, which is extensively bioturbated and locally color banded in dusky yellow (5Y 6/4), moderate olive brown (5Y 4/4), and light olive brown (5Y 5/6). Minor Lithology: The minor lithology is foraminifer-rich nannofossil ooze, dusky yellow (5Y 6/4) to light olive gray (5Y 5/2) in color. It is found only in the lower 2.3 m of the core.
		2						
		3					5Y 5/2 To 10Y 6/2	
		4						
		5					5Y 5/2 To 5Y 6/4	
		6				S		
		7						
		CC				M		



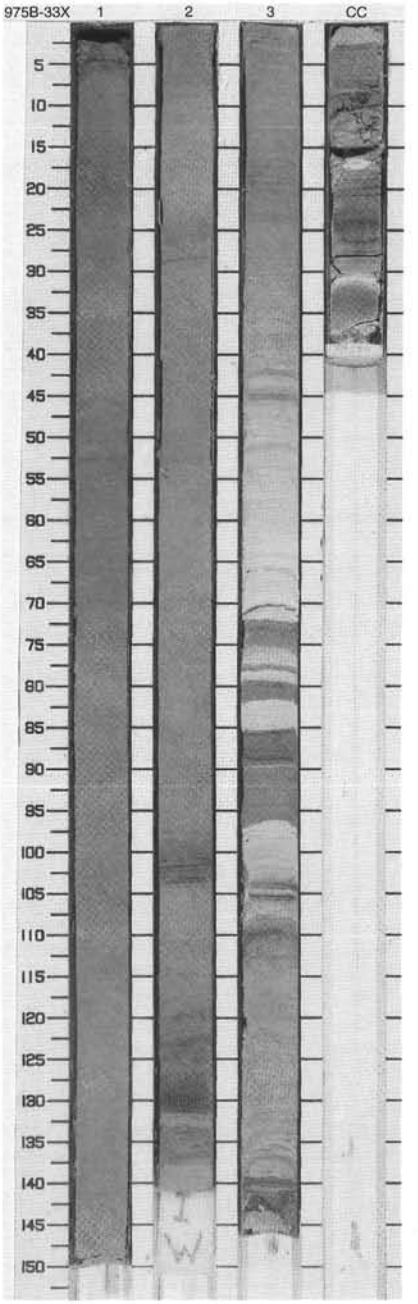
SITE 975 HOLE B CORE 33X CORED 302.4 - 310.0 mbsf



FORAMINIFER-RICH NANNOFOSSIL CLAY, SILTY CLAY, AND OOZE, MICRITE and MICRITIC SILTY CLAY

Major Lithologies:
The major lithology in Section 1 and Section 2, 0–131 cm is dusky yellow (5Y 6/4), pale olive (10Y 6/2), and light olive gray (5Y 5/2) FORAMINIFER-RICH NANNOFOSSIL SILTY CLAY, FORAMINIFER-RICH NANNOFOSSIL CLAY and FORAMINIFER-RICH NANNOFOSSIL OOZE. Minor amounts of dolomite was detected by X-ray diffraction. Silt-rich laminae are present at 26 cm and 99–101 cm in Section 2. Bioturbation is common throughout. The major lithologies from Section 2, 131 cm to Section CC, 11 cm are MICRITE and MICRITIC SILTY CLAY. The yellowish gray (5Y 8/1) micrite and greenish gray (5GY 6/1) micritic silty clay are finely-interlaminated to thinly-interlayered. The calcite of the micrite is combined with clay minerals, quartz, and traces of dolomite and feldspar in the micritic silty clay.

Minor Lithologies:
Intervals of light gray (N7) to greenish gray (5GY 6/1) calcareous silty sand are present in Section 3, 140–144 cm and Section CC, 3–11 cm. These intervals contain abundant foraminifers and micrite and a wide variety of detrital minerals including quartz, clay minerals, and feldspar. The interval in Section 3 is graded. The interval in the Core Catcher is finely laminated and contains celestite. Finely-laminated yellowish brown (10YR 5/4) and greenish gray (5G 6/1) gypsum is present in Section CC, 11–38 cm. A thin lamina of white (N9) anhydrite is present in Section CC at 30 cm.

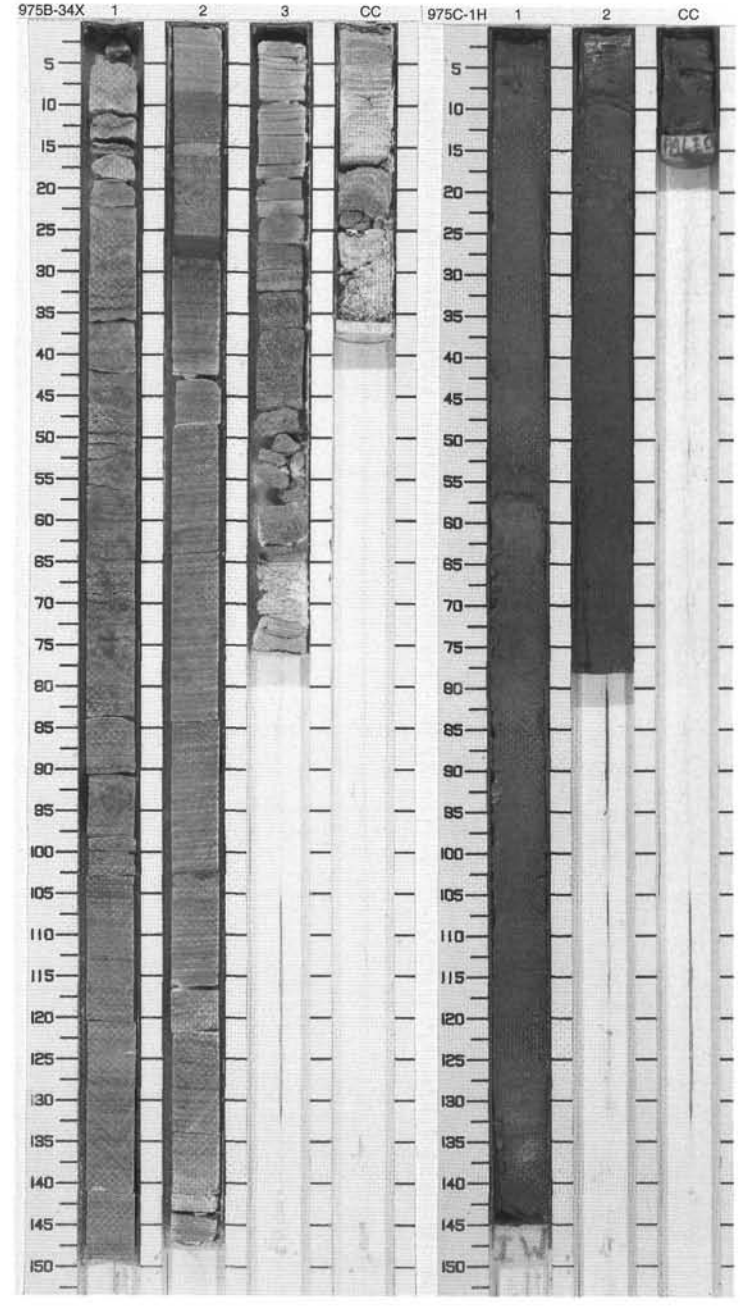


SITE 975 HOLE B CORE 34X CORED 310.0 - 317.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–4		1, 2, 3, CC	late Miocene			S, S, S, S S, S S, S M S	5Y 6/2 To 5Y 4/4	GYPSUM and GYPSIFEROUS CHALK Major Lithologies: The major lithologies are light olive gray (5Y 6/2 and 5Y 5/2) to moderate olive brown (5Y 4/4) GYPSUM and GYPSIFEROUS CHALK. The gypsum has two forms: finely laminated and nodular. The gypsiferous chalk consists of coarse gypsum crystals (up to 1 cm) in a micrite matrix. Minor Lithologies: Thin (1–2 mm) intervals of grayish green (5G 4/2) clay to micritic clay are interbedded with the gypsum and gypsiferous chalk. This lithology contains clay minerals, calcite, quartz, and minor to trace gypsum and feldspar. An interval of foraminifer-rich gypsum silty sand is present in Section CC at 2–4 cm.

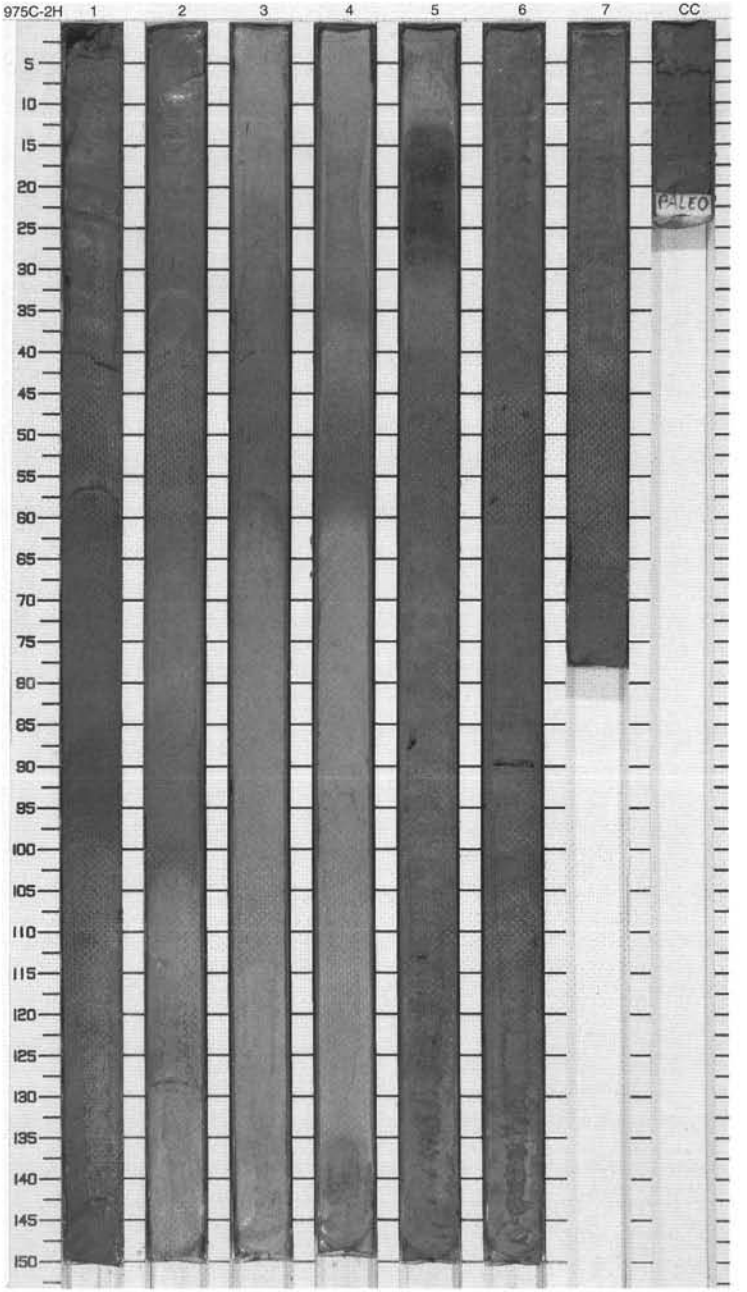
SITE 975 HOLE C CORE 1H CORED 0.0 - 2.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–2		1, 2, CC	Pleistocene		W	I M	5Y 5/2 To 10YR 5/4	CALCAREOUS CLAYEY SILT Major Lithology: The major sediment type is a CALCAREOUS CLAYEY SILT which is mainly structureless, but with minor color banding and mottling. The clay is light olive gray (5Y 5/2) to light olive brown (5Y 5/6) in color. The top 70 cm of Section 1 is moderate yellowish brown (10YR 5/4) in color.



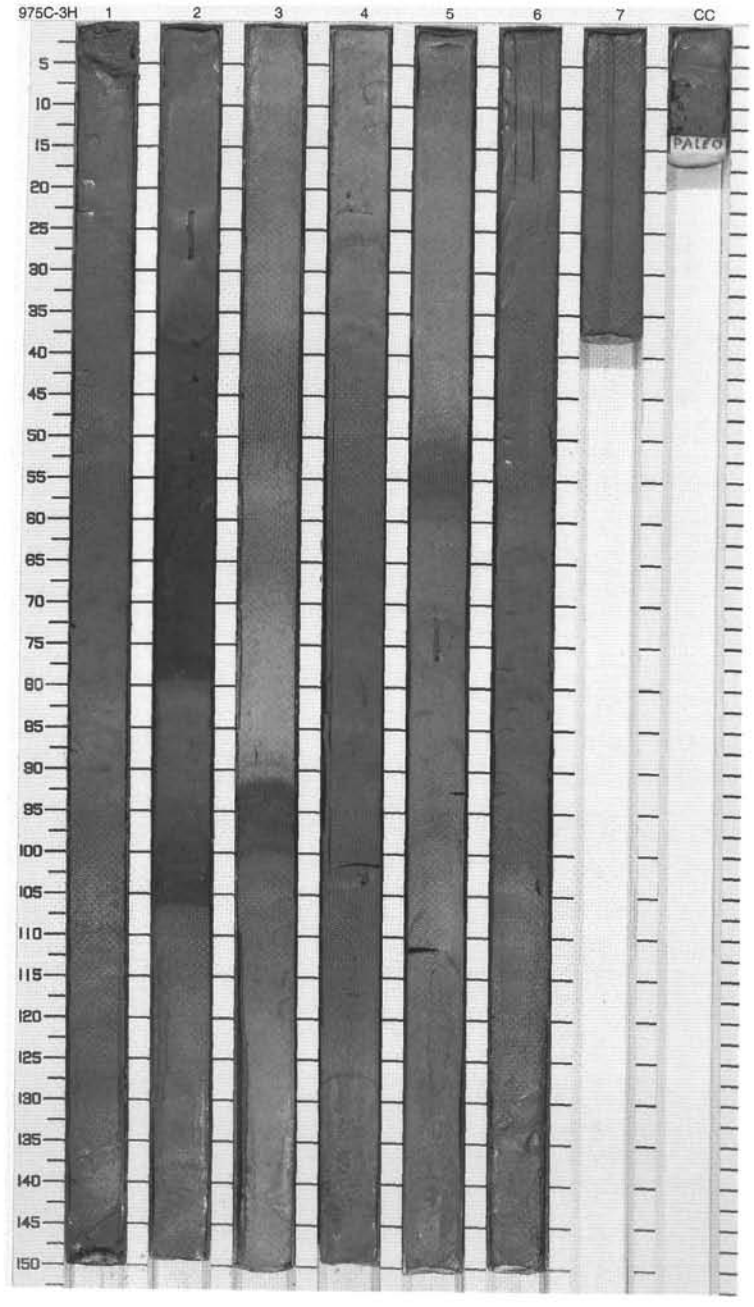
SITE 975 HOLE C CORE 2H CORED 2.4 - 11.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	Pleistocene				5Y 5/2	CALCAREOUS CLAY and NANNOFOSSIL OOZE
							5Y 4/4	
							5Y 5/2	Major Lithologies: Olive gray (5Y 4/1) CALCAREOUS CLAY and light olive gray (5Y 6/1) to pale yellowish brown (10YR 6/2) to pale olive (10Y 6/1) to dusky yellow (5Y 6/4) NANNOFOSSIL OOZE are the dominant lithologies. The NANNOFOSSIL CLAY exhibits thin to medium color banding.
		2						
		3					10YR 6/2	Minor Lithology: Thin (<1 cm) silty laminae are present in Section 1 at 55 cm and 95 cm.
								General Description: One organic-rich layer is present in Section 5 at 12 to 28.5 cm.
							5Y 5/6	
		4					5Y 6/1	
						S	5Y 6/4	
						S	5Y 3/2	
		5					5Y 4/1	
		6				S	5Y 4/1 To 5Y 5/2	
		7					5Y 4/1	
		CC				M		



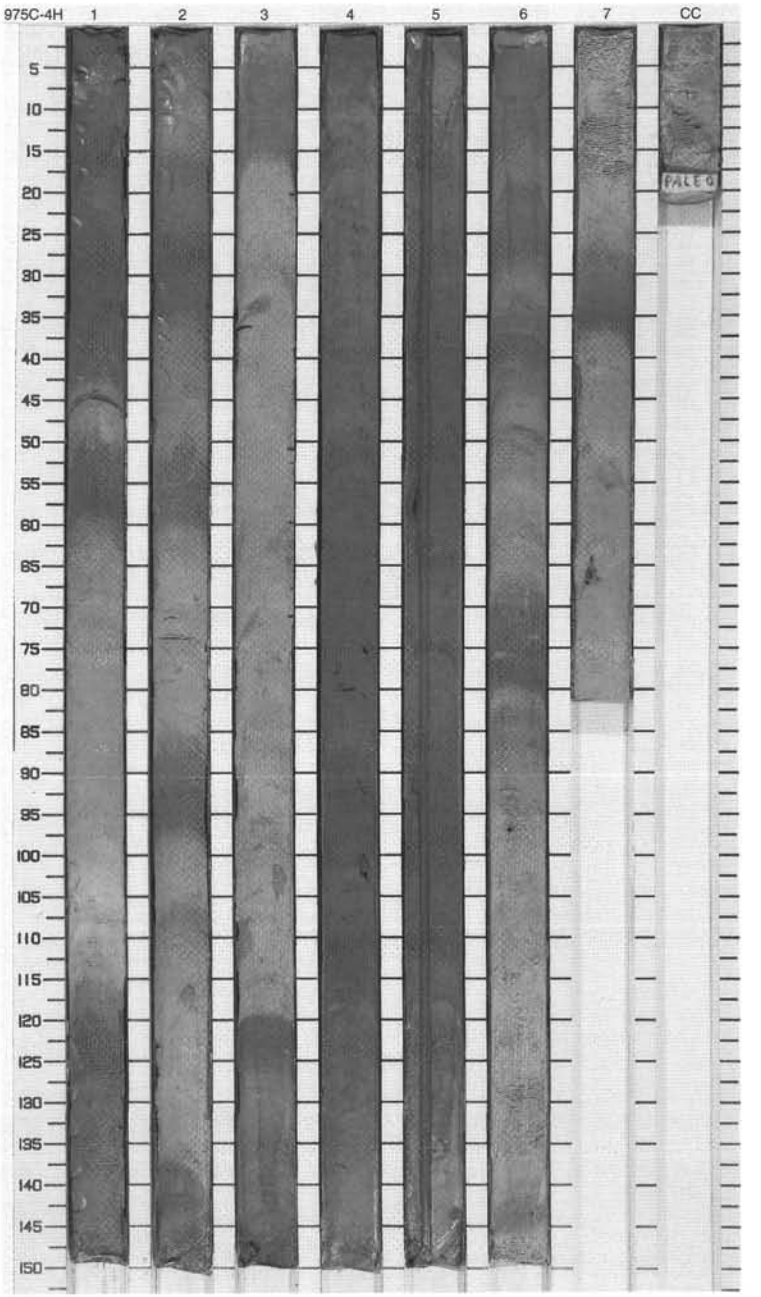
SITE 975 HOLE C CORE 3H CORED 11.9 - 21.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pleistocene				5Y 4/1	NANNOFOSSIL CLAY and NANNOFOSSIL SILTY CLAY Major Lithologies: The core consists of homogeneous to color-banded NANNOFOSSIL CLAY to NANNOFOSSIL SILTY CLAY with local pyrite concretions and shell concentrations, some of which are normally graded. Minor Lithology: Olive gray (5Y4/1) Calcareous clay is present at the top of the core. General Description: Organic-rich layers are present in Section 2 at 38–77 cm (faulted upper contact?) and 97–106 cm, Section 3 at 92.5–101 cm, and in Section 5 at 53–57 cm.
		2		P			5Y 3/2 To 5Y 2/1	
							5Y 4/1	
		3				S	5Y 5/2	
							5Y 3/2	
							5Y 5/2	
		4					5Y 4/1	
		5		P		S	5Y 5/2	
		6					5Y 5/2 To 5Y 4/1	
		7				M		
		CC						



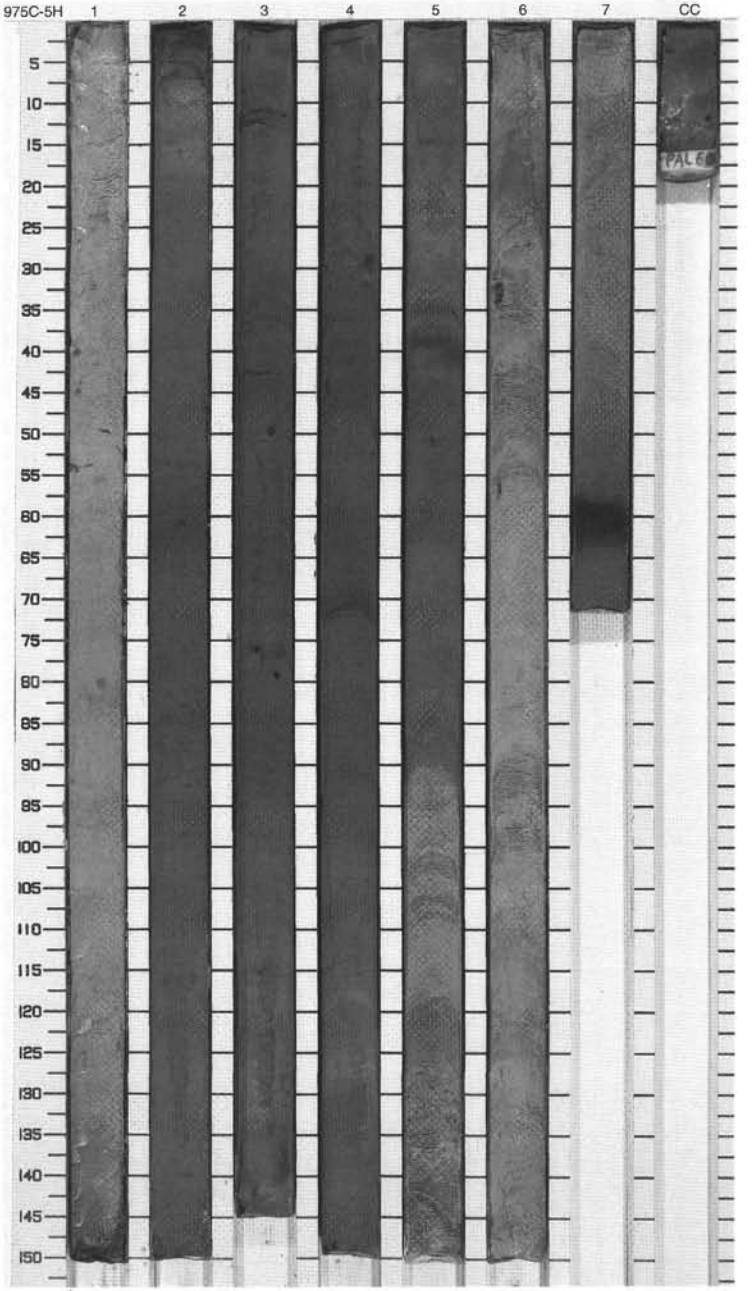
SITE 975 HOLE C CORE 4H CORED 21.4 - 30.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	Pleistocene			S S	5Y 5/2	NANNOFOSSIL-RICH CLAY and NANNOFOSSIL OOZE Major Lithologies: NANNOFOSSIL-RICH CLAY and NANNOFOSSIL OOZE occur in alternating beds throughout the core. Minor Lithologies: A thin lamina of calcareous sandy silty clay to fine sand occurs at 44 cm in Section 1, and a thin foraminifer lag occurs at 145 cm in Section 4. General Description: Sections 2, 3, 6, and 7 contain alternating cycles of light olive gray (5Y 5/2) NANNOFOSSIL-RICH CLAY overlain at a bioturbated contact by pale olive (10Y 6/2) NANNOFOSSIL OOZE, that, in turn, is overlain at an abrupt contact by NANNOFOSSIL-RICH CLAY. One organic-rich layer is present in Section 1 at 121–122 cm
							10Y 6/2	
						S	5Y 4/4	
		2				S	5Y 5/2	
							10Y 6/2 To 5Y 5/2	
		3					10Y 6/2	
		4					5Y 5/2 To 5Y 4/1	
		5		P			5Y 4/1	
		6					5Y 5/2	
							5Y 5/2 To 5Y 6/1	
		7					5Y 6/1	
		CC				M		

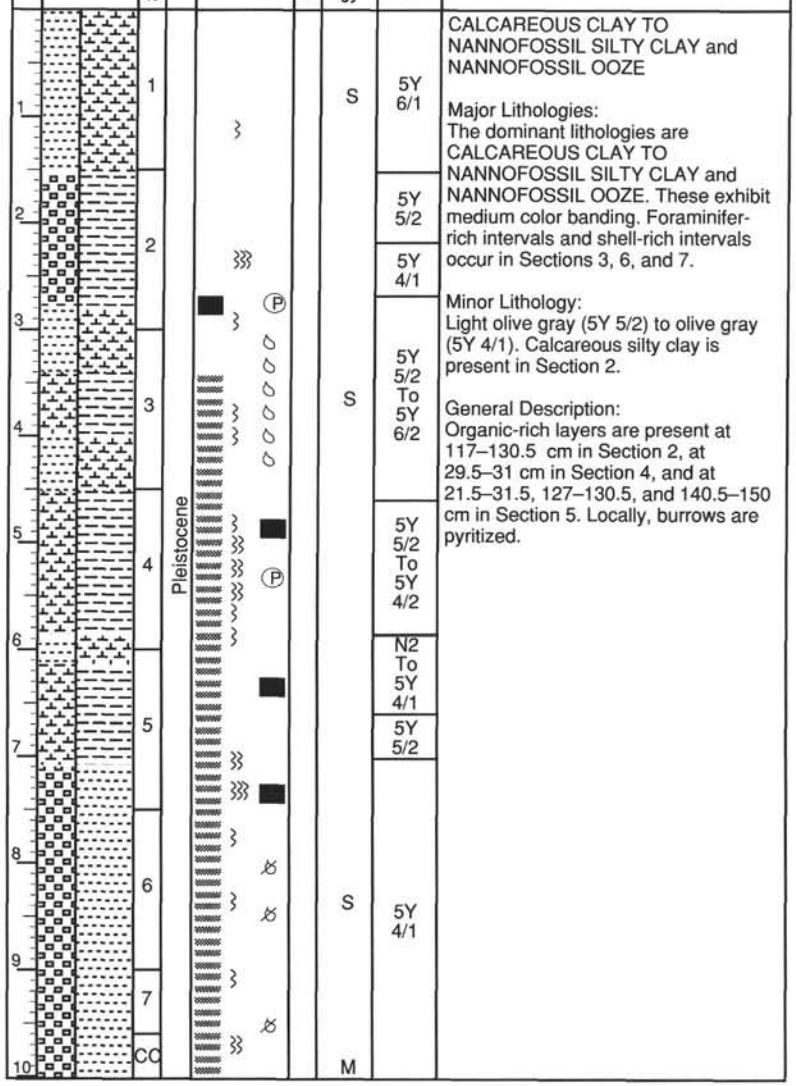


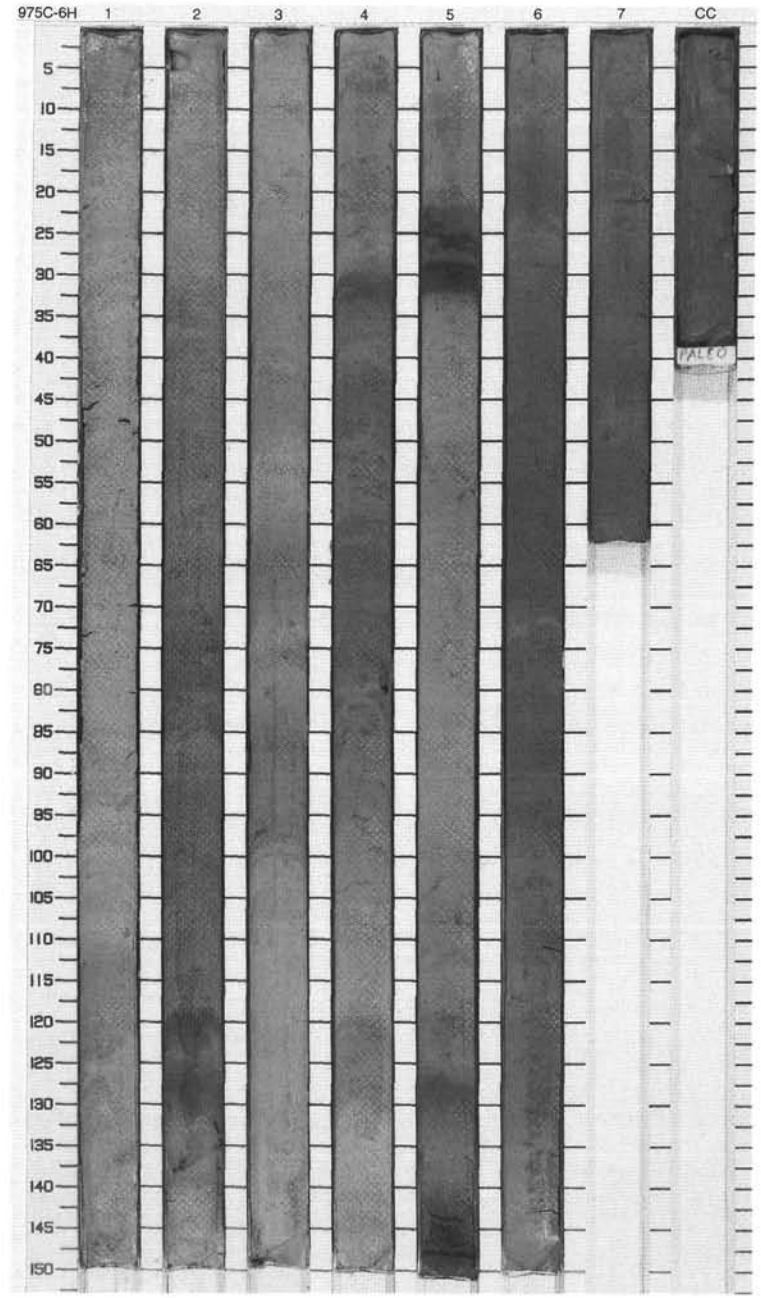
SITE 975 HOLE C CORE 5H CORED 30.9 - 40.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pleistocene			S	10Y 6/2	NANNOFOSSIL OOZE and CALCAREOUS SILTY CLAY Major Lithologies: The dominant lithologies are NANNOFOSSIL OOZE and CALCAREOUS SILTY CLAY.
							5Y 3/2	
		2					5Y 4/1	Minor Lithology: One lamina of calcareous silt occurs at 70 cm in Section 4. General Description: Three organic-rich layers are present: at 147 cm in Section 1, to 7 cm in Section 2; at 37–39.5 cm, Section 5; and 57.5–63.5 cm, Section 7. Burrows throughout the core are commonly filled with dark (pyrite?) material.
						S	5Y 3/2	
		3					5Y 4/1	
						I		
		4				S	5Y 4/1 To 5Y 5/2	
		5		Ⓟ			5Y 6/1	
							5Y 5/2	
		6					5Y 6/1	
		7						
		CC				M	5Y 4/1	



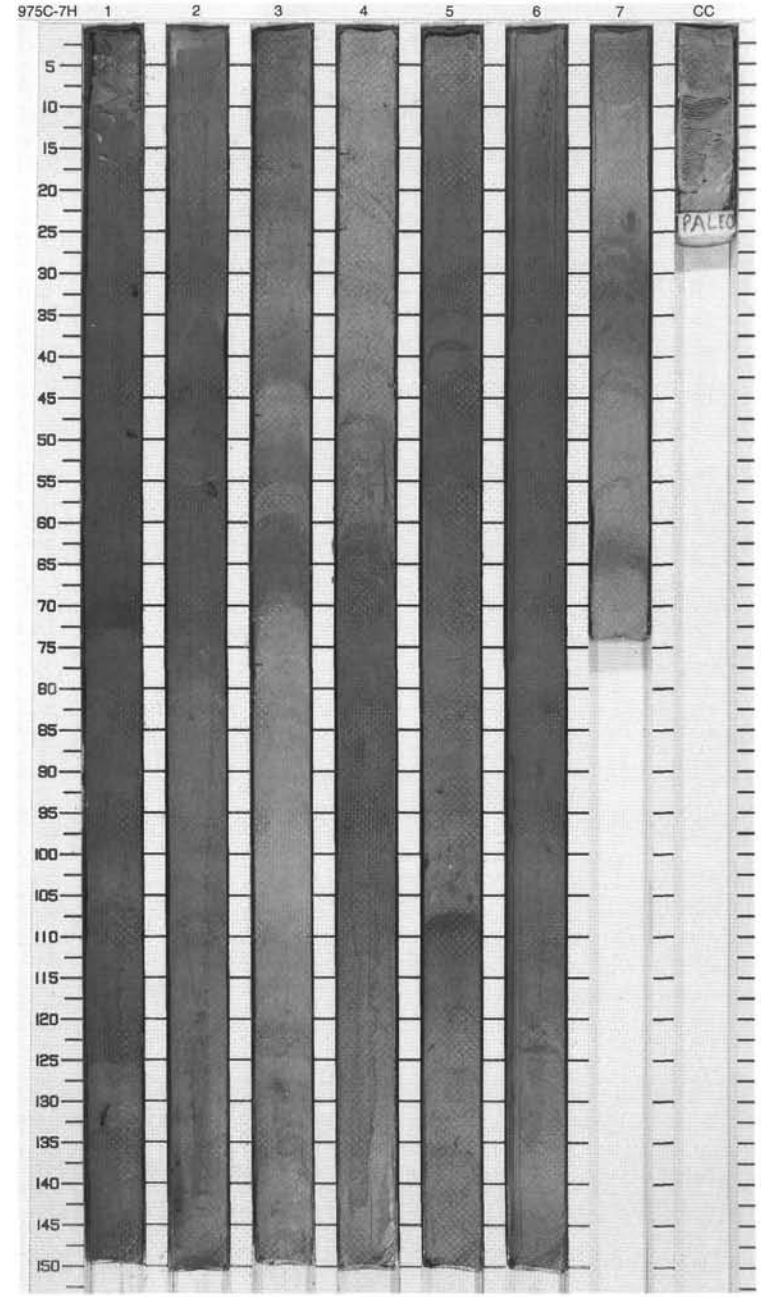
SITE 975 HOLE C CORE 6H CORED 40.4 - 49.9 mbsf





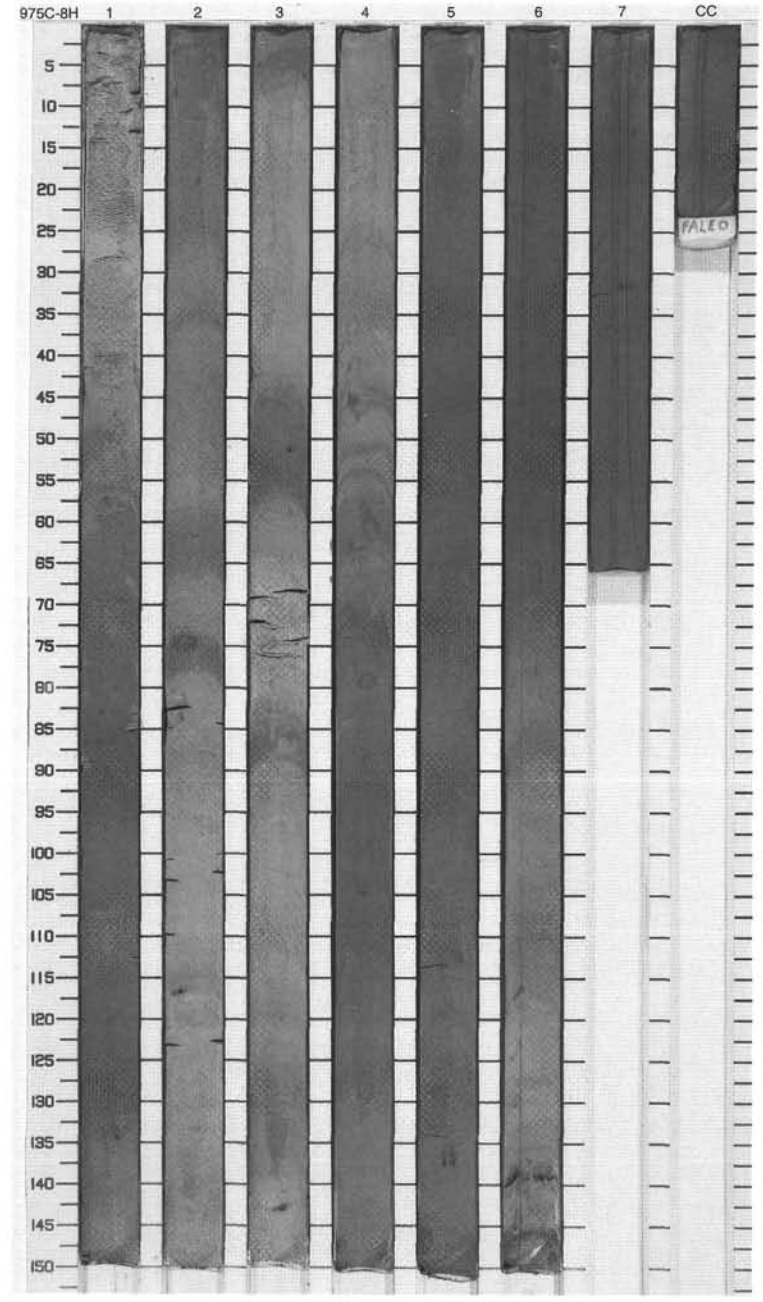
SITE 975 HOLE C CORE 7H CORED 49.9 - 59.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pleistocene			S	5Y 3/2	NANNOFOSSIL CLAY Major Lithology: The major lithology is light olive gray (5Y 5/2) to olive gray (5Y 4/1) NANNOFOSSIL CLAY. Minor Lithology: Lithologic cyclic sequences from light olive gray (5Y 5/2) nannofossil clay to moderately bioturbated olive gray (5Y 4/1) nannofossil clay occur. Olive gray (5Y 3/2) calcareous silty clay is found at the top of Section 1. General Description: Olive gray (5Y 3/2) organic-rich layers occur at 68–73 cm in Section 1 and at 108–109.5 cm in Section 5. Locally, burrows are replaced by pyrite.
							5Y 5/2 To 5Y 4/1	
		2						
		3				S	5Y 6/1 To 5Y 5/2	
		4					5Y 6/1	
							5Y 5/2 To 5Y 4/1	
		5		–A		S	5Y 5/2	
							5Y 4/1	
		6				S	5Y 5/2	
				–A				
		7					5Y 6/1 To 5Y 5/2	
		CC				M		



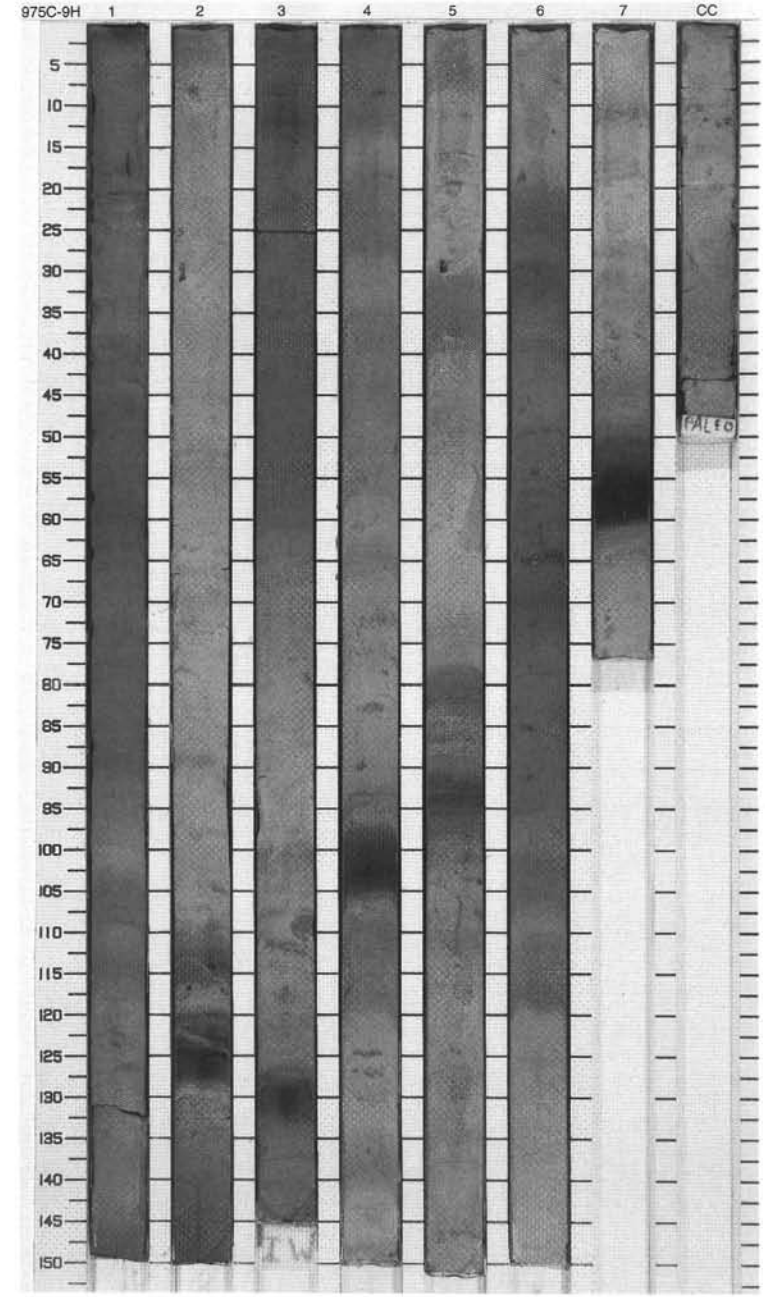
SITE 975 HOLE C CORE 8H CORED 59.4 - 68.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pleistocene				5Y 6/1	NANNOFOSSIL CLAY and CALCAREOUS SILT Major Lithologies: The major lithologies are light olive gray (5Y 5/2; 5Y 6/1) NANNOFOSSIL CLAY and light olive gray (5Y 5/2), olive gray (5Y 4/1), and moderate olive brown (5Y 4/4) CALCAREOUS SILT. Minor Lithologies: Minor lithologies include light olive gray (5Y 5/2) to olive gray (5Y 4/1) nannofossil silty clay and calcareous silty clay. General Description: Pods of shell fragments and scattered shells occur throughout the NANNOFOSSIL CLAY. Locally, burrows are replaced by pyrite. One olive gray (5Y 3/2) organic-rich layer occurs at 146–148 cm in Section 6.
							5Y 5/2	
		2						
							5Y 5/2 To 5Y 6/1	
		3						
		4					5Y 5/2 To 5Y 4/1	
		5				S		
						S	5Y 5/2 To 5Y 4/4	
		6		A		S	5Y 5/2 To 5Y 4/1	
		7					5Y 4/1	
		CC				M		



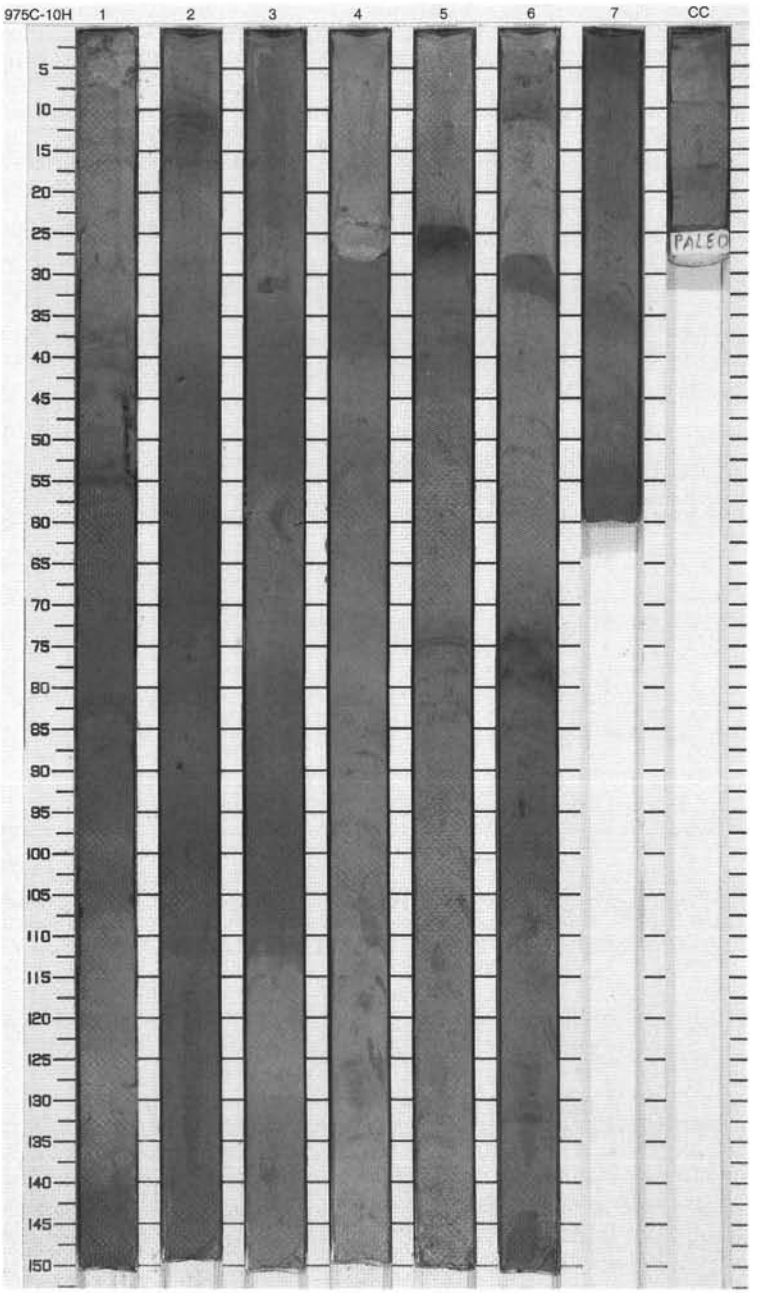
SITE 975 HOLE C CORE 9H CORED 68.9 - 78.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, CC	Pleistocene			S, I, S, M	5Y 5/2; 10Y 6/2; 5Y 5/2	NANNOFOSSIL CLAY TO NANNOFOSSIL SILTY CLAY Major Lithology: The main sediment types are NANNOFOSSIL CLAY to NANNOFOSSIL SILTY CLAY with dispersed visible foraminifers. The clay is mostly structureless to banded with only minor visible evidence of bioturbation. Shell fragments are rare. The main color is light olive gray (5Y 5/2), but grayish olive (10Y 4/2) and light olive gray (5Y 6/1) also occur. Banding is olive gray (5Y 4/1) and moderate olive brown (5Y 4/4); mottles are mainly light olive gray (5Y 5/2). Minor Lithologies: Silty foraminifer-rich layers occur at 117 cm in Section 2, at 13 cm in Section 3, at 7, 79, and 91 cm in Section 4, at 20 and 29 cm in Section 5, and at 35–40 cm in Section 7 (silt pods). A medium- to coarse-grained sand occurs from 63.5–65.5 cm in Section 7. General Description: Organic-rich layers occur at 112–116 cm and 120–128 cm (composite) in Section 2, 127–133 cm in Section 3, 2–5 cm and 7–12 cm (composite) and 98–106 cm in Section 4, and 91–97 cm in Section 5. Colors range from grayish olive (10Y 4/2) to olive gray (5Y 3/2) and olive black (5Y 2/1).



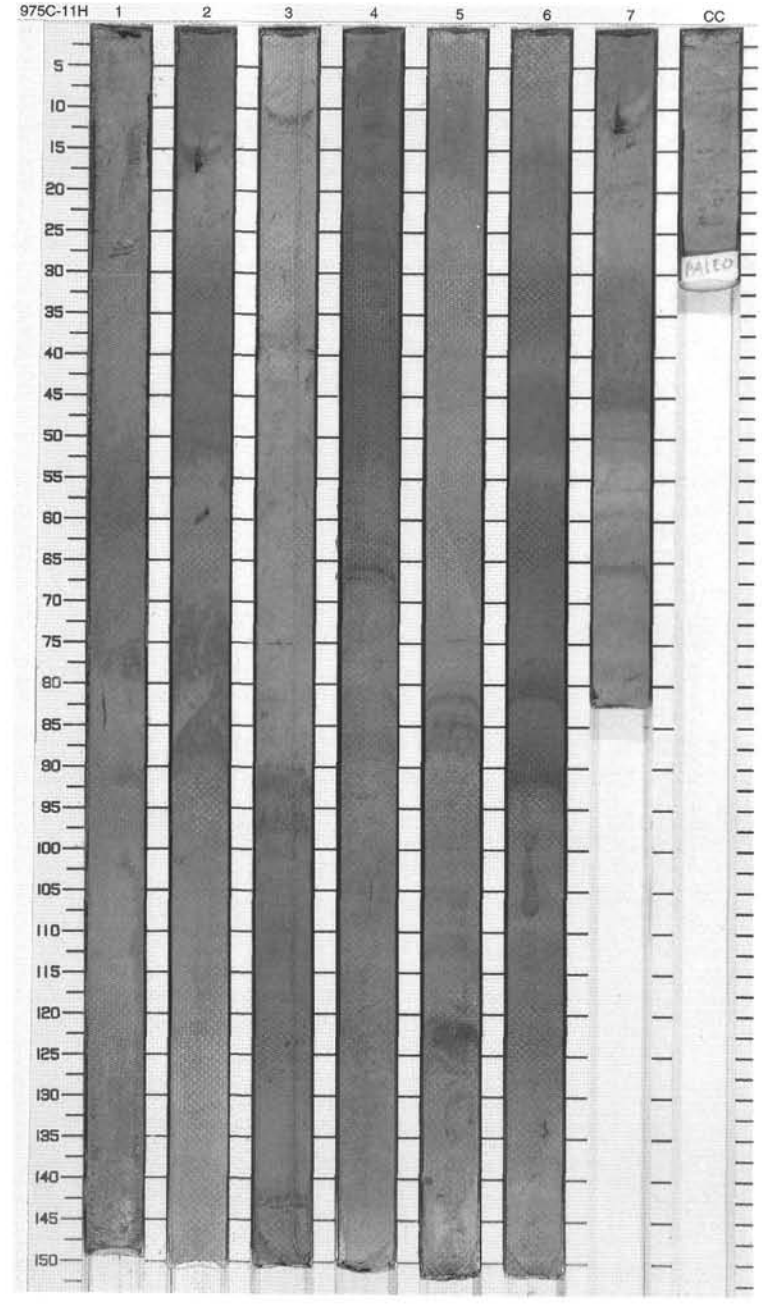
SITE 975 HOLE C CORE 10H CORED 78.4 - 87.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene			S, S, M	5Y 5/2; 5Y 5/2 To 5Y 6/1	CALCAREOUS CLAY Major Lithology: The principal sediment type is CALCAREOUS CLAY. Dispersed foraminifer tests are visible throughout the core. Color banding is prominent in Section 1 and at the top of Section 2 where it is mainly olive gray (5Y 4/1), but is rare below this. Bioturbation and color mottling are common. Color of the clay is mainly light olive gray (5Y 5/2), but moderate olive brown (5Y 4/4), olive gray (5Y 3/2), and dusky yellow (5Y 6/4) varieties also occur. Burrows are dusky yellow green (5GY 5/2) or medium gray (N5) in color. Minor Lithologies: Foraminifer-rich layers occur at 11 and 31 cm in Section 6. Shell fragment laminae are present from 21–23 cm and from 25–27 cm in Section 4. These two layers have sharp bases and gradational tops and are internally graded. They are yellowish gray (5Y 8/1) in color. General Description: Organic-rich layers are present from 54–55.5 cm in Section 1 (questionable), from 9–12.5 cm in Section 2 (composite), from 24–28 cm in Section 5 (homogeneous), and from 73–79 cm in Section 6 (questionable). Colors are olive gray (5Y 3/2), grayish olive (10Y 4/2), and olive gray (5Y 4/1).



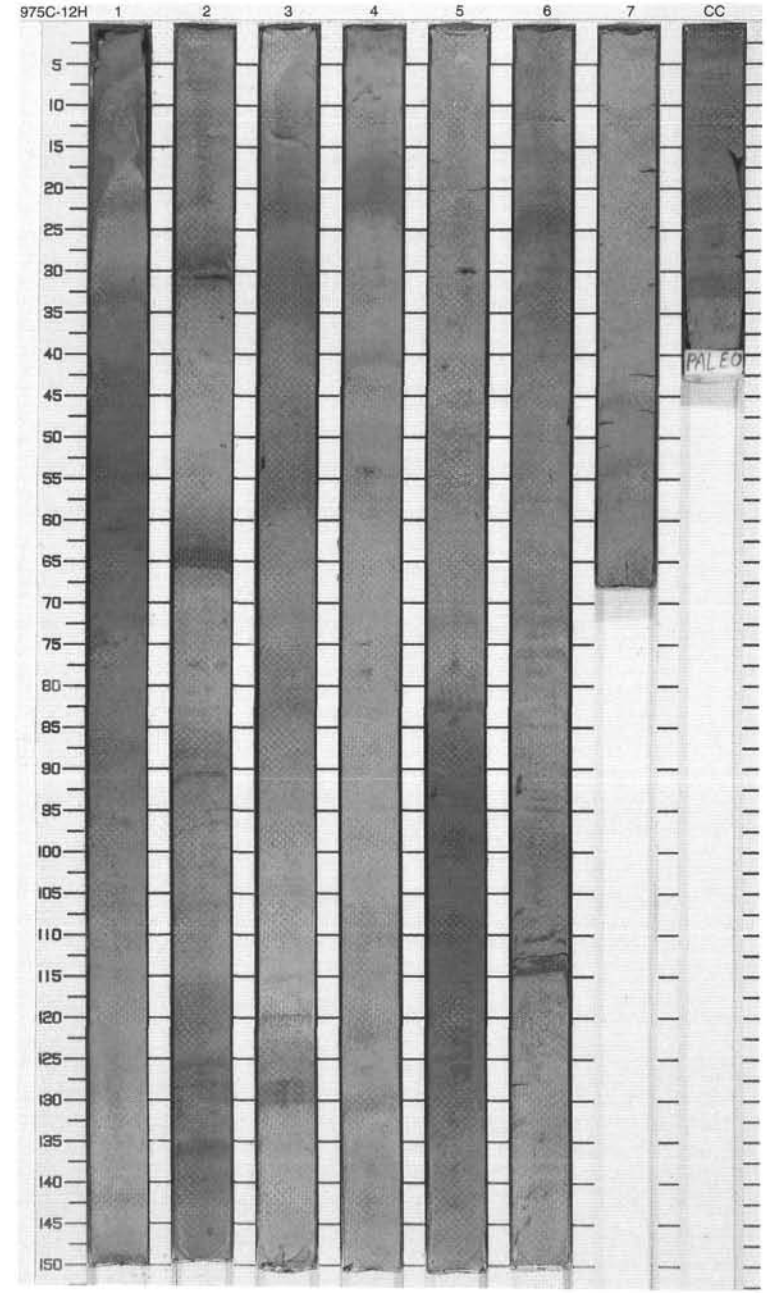
SITE 975 HOLE C CORE 11H CORED 87.9 - 97.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	Pleistocene			S	5Y 5/2	CALCAREOUS CLAY Major Lithology: The predominant sediment type is CALCAREOUS CLAY, light olive gray (5Y 5/2) to olive gray (5Y 4/1) in color with local light olive brown (5Y 5/6) color bands and intervals of bioturbation. Dispersed foraminifer tests are visible throughout. General Description: An olive gray (5Y 3/2) organic-rich layer is present from 121.5–124 cm in Section 5.
		2						
		3					10Y 6/2	
		4					5Y 5/2	
		5						
		6					5Y 4/1	
		7				M	5Y 5/2 To 10Y 4/2	
		CC						



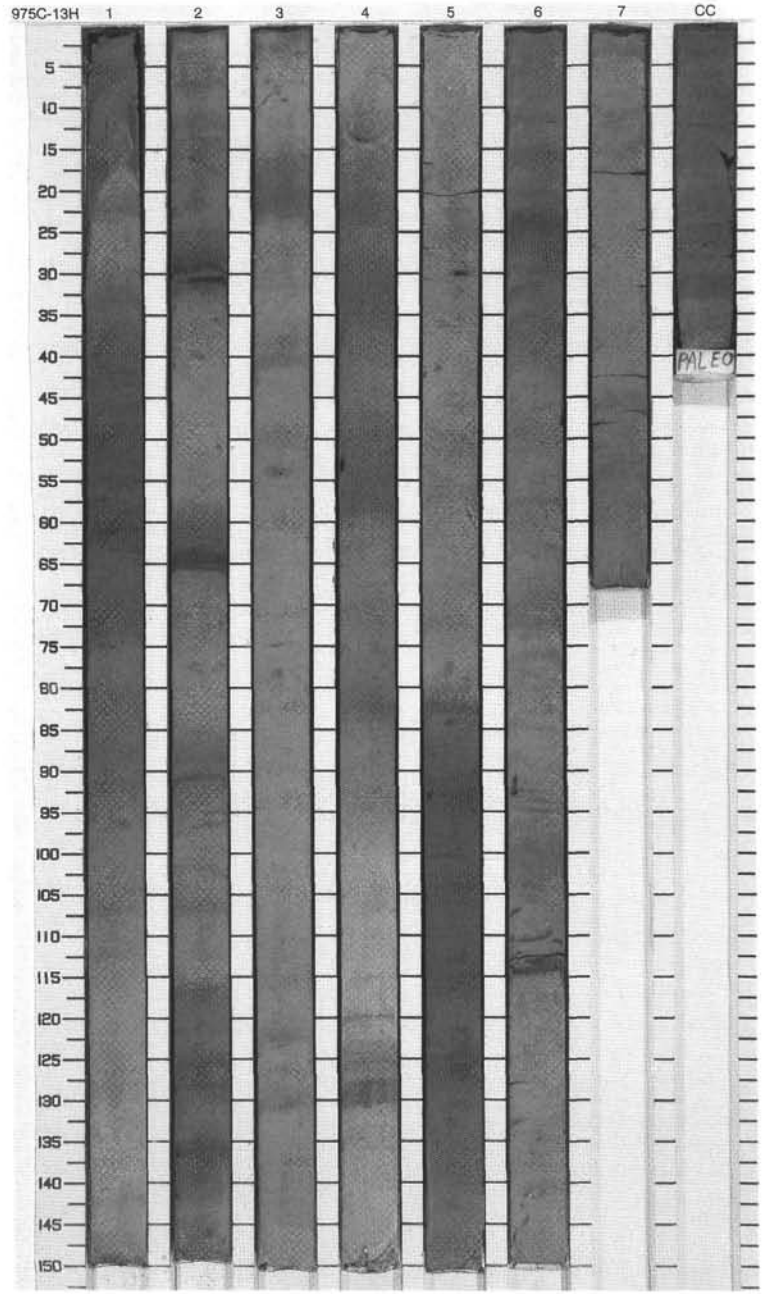
SITE 975 HOLE C CORE 12H CORED 97.4 - 106.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	Pleistocene				5Y 6/1 To 5Y 4/1	NANNOFOSSIL CLAY AND NANNOFOSSIL SILTY CLAY Major Lithology: The predominant lithologies are NANNOFOSSIL CLAY and NANNOFOSSIL SILTY CLAY, light olive gray (5Y 5/2 and 5Y 6/1) to olive gray (5Y 4/1) in color. Color bands, dusky yellow (5Y 6/4) to moderate olive brown (5Y 4/4), are locally present. General Description: Organic-rich layers are present in Section 2, 28–30 cm and 135–137.5 cm.
		2					5Y 5/2 To 5Y 4/1	
		3					5Y 6/1	
		4					5Y 5/2 To 10Y 4/1	
		5				S	5Y 5/2 To 5Y 2/1	
		6					5Y 5/2 To 5Y 6/1	
		7						
		CC				M		



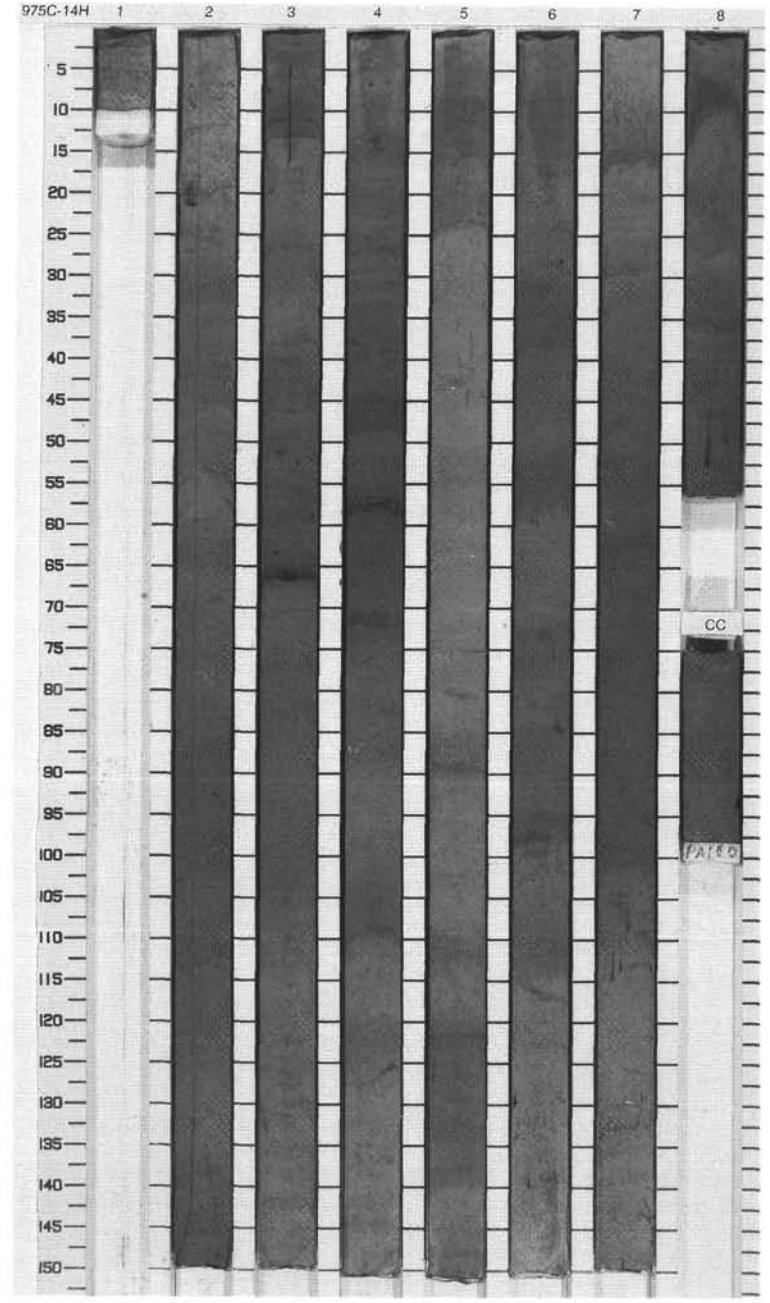
SITE 975 HOLE C CORE 13H CORED 106.9 - 116.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, CC	late Pliocene–Pleistocene			I S S S S M	5Y 5/2; 5Y 5/2 To 10Y 6/2; 5Y 5/2 To 5Y 6/1; 5Y 5/2 To 10Y 6/2; 5Y 5/2 To 5Y 6/4	NANNOFOSSIL CLAY TO NANNOFOSSIL-FORAMINIFER CLAY and CALCAREOUS CLAY Major Lithologies: The predominant lithologies are NANNOFOSSIL CLAY to NANNOFOSSIL-FORAMINIFER CLAY AND CALCAREOUS CLAY, light olive gray (5Y 5/2) to pale olive (10Y 6/2) in color with moderate bioturbation. General Description: There is a slumped interval beginning in Section 5, 47 cm which continues to Section 6, 55 cm. The base of the slump is marked by a 4-cm-thick silty interval which is in scoured contact with underlying clay. The slump interval shows multiple color bands ranging from light olive gray (5Y 6/1 and 5Y 5/2), to pale olive (10Y 6/2) and light olive brown (5Y 5/6).



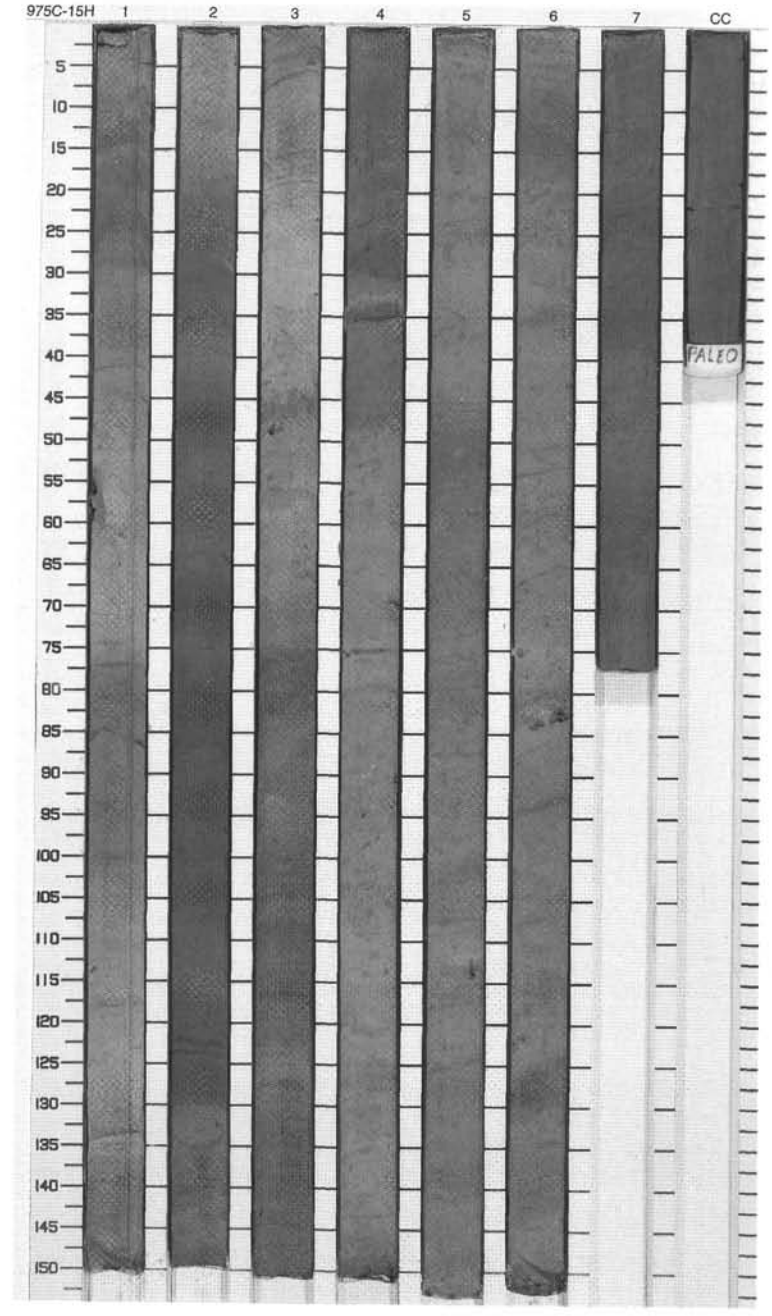
SITE 975 HOLE C CORE 14H CORED 116.4 - 125.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–8, CC	late Pliocene–Pleistocene			S, S, S, M	5Y 5/2 To 5Y 4/1; 5Y 4/1 To 5Y 6/1; 5Y 4/1 To 5Y 5/2	NANNOFOSSIL CLAY Major Lithology: The major lithology is light olive gray (5Y 5/2) NANNOFOSSIL CLAY. General Description: Olive gray (5Y 4/1) color bands of calcareous clay are found in Section 5.



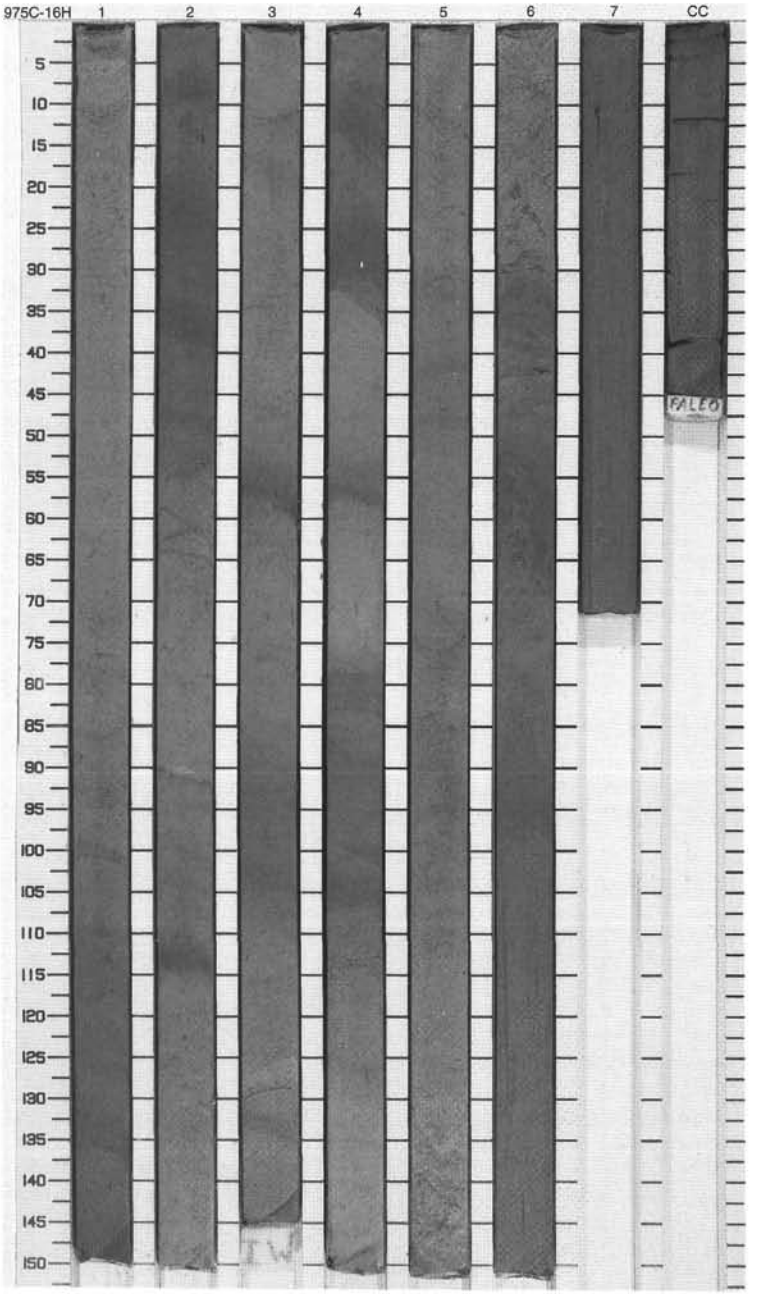
SITE 975 HOLE C CORE 15H CORED 125.9 - 135.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	late Pliocene		WWW		5Y 5/2	NANNOFOSSIL CLAY and CALCAREOUS CLAY Major Lithologies: The major lithologies are light olive gray (5Y 5/2; 5Y 6/1) to olive gray (5Y 4/1) NANNOFOSSIL CLAY and CALCAREOUS CLAY. Minor Lithology: Cyclic lithologic sequences from light olive gray (5Y 5/2) nannofossil clay to moderately bioturbated, olive gray (5Y 4/1) nannofossil clay occur. Foraminifer sand lamina (ooze) locally occur in the basal part of light olive gray (5Y 5/2) nannofossil clay layers. Thin color banded layers ranging in color from light olive gray (5Y 5/2; 5Y 6/1) to olive gray (5Y 4/1) are present throughout the core. General Description: Below 61 cm in Section 7, the core consists of flow-in material.
							5Y 6/1	
		2				S	5Y 5/2 To 5Y 4/1	
						S	5Y 5/2	
		3					5Y 5/2 To 5Y 4/1	
		4				S	5Y 6/1	
		5					5Y 4/1 To 5Y 5/2	
		6					5Y 5/2	
							5Y 4/1 To 5Y 5/2	
		7					5Y 5/2	
		CC				M	5Y 4/1	



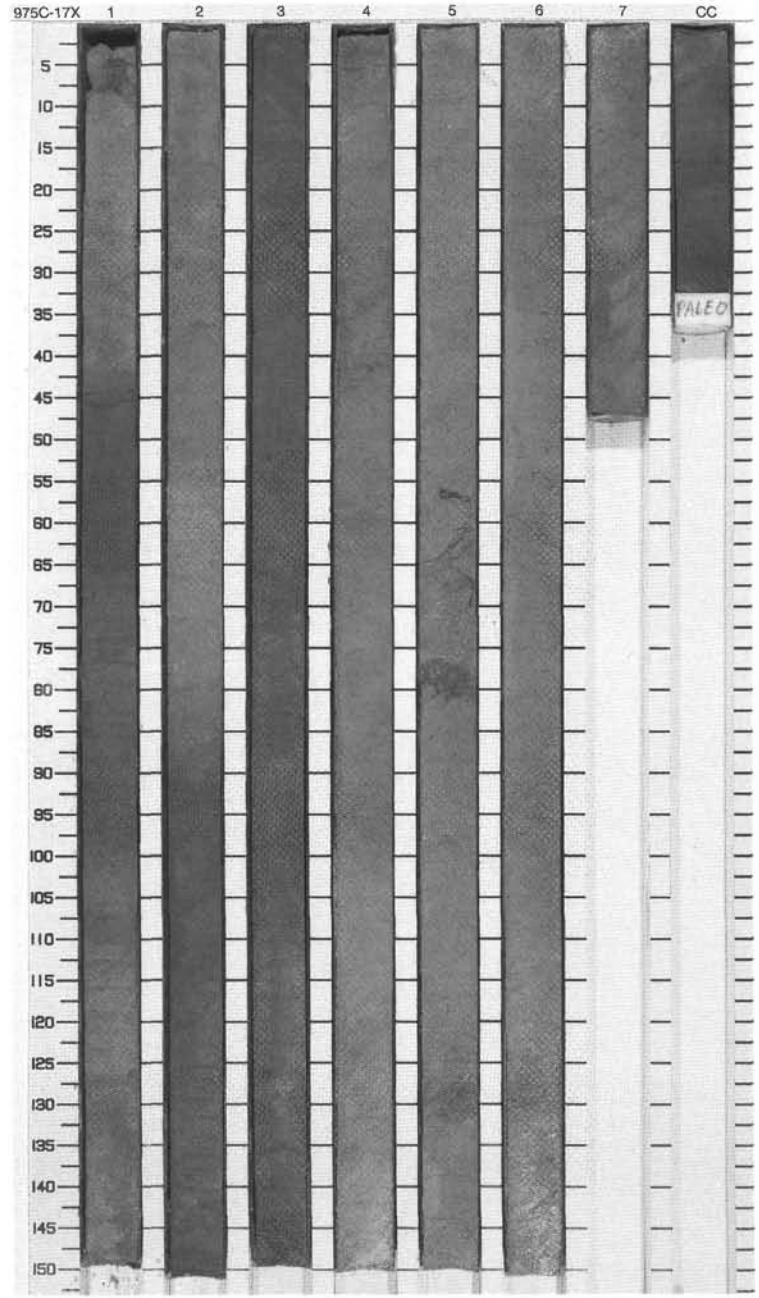
SITE 975 HOLE C CORE 16H CORED 135.4 - 144.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, CC	late Pliocene			S, I, S, M	5R 4/2; 5Y 5/2; 5Y 5/2 To 5Y 4/1; 5Y 5/2; 5Y 5/2 To 5Y 4/1; 5Y 4/1 To 5Y 6/1; 5Y 5/2; 5Y 5/2	NANNOFOSSIL-FORAMINIFER OOZE Major Lithology: The major lithology is light olive gray (5Y 5/2; 5Y 6/1) NANNOFOSSIL-FORAMINIFER OOZE. Minor Lithologies: Cyclic lithologic sequences from light olive gray (5Y 5/2) nannofossil-foraminifer ooze to moderately bioturbated, olive gray (5Y 4/1) nannofossil- foraminifer clay occur throughout the core. A foraminifers sand occurs at 90–91 cm in Section 2. Olive gray (5Y 4/1) calcareous silty clay occurs in Section 4. General Description: Normal microfaults occur at 13–17 cm and at 31–36 cm in Section 4. Thin to medium color-banded layers range in color from light olive gray (5Y 5/2; 5Y 6/1) to olive gray (5Y 4/1) and contain scattered sand-sized foraminifers. Alternating thin layers of foraminifer clay and nannofossil clay occur at 34–48 cm in Section 6. Flow-in drilling disturbance occurs below 80 cm in Section 6.



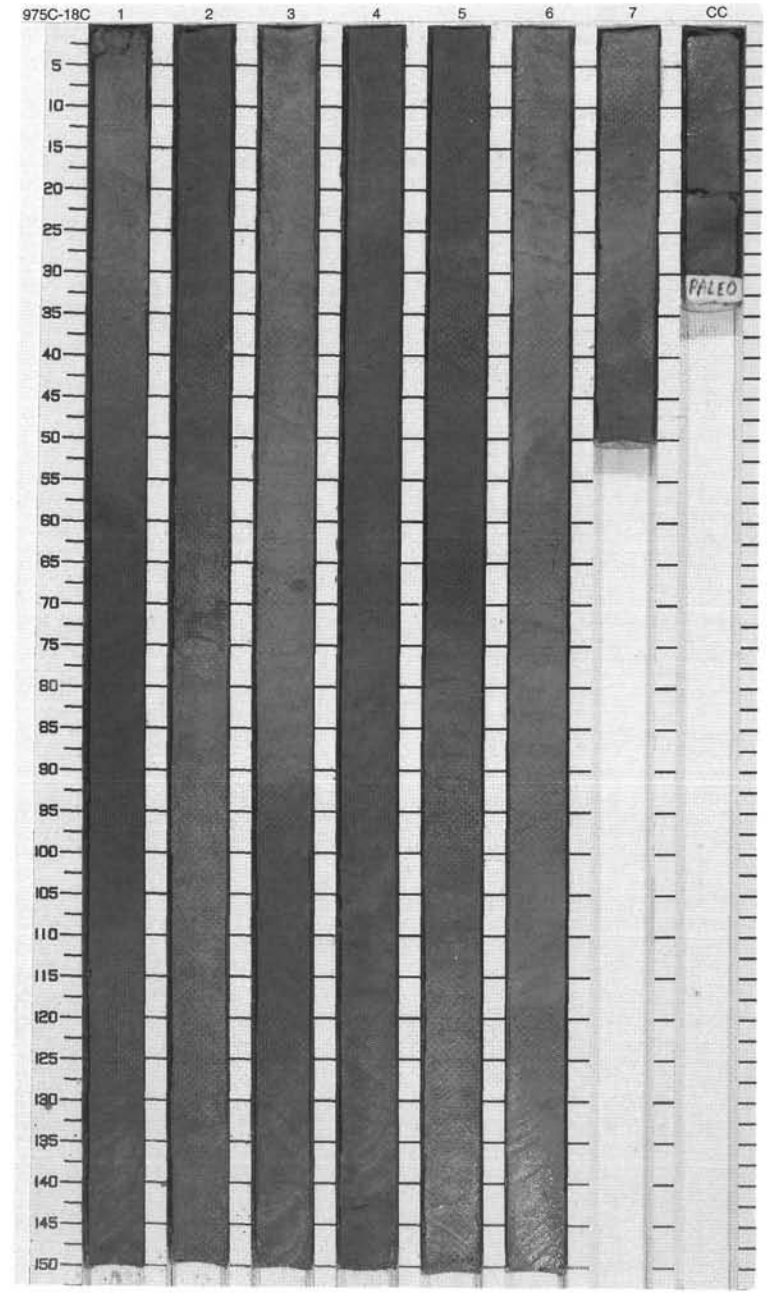
SITE 975 HOLE C CORE 17X CORED 144.9 - 154.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene				5Y 6/1	CALCAREOUS SILTY CLAY Major Lithology: The major lithology is light olive gray (5Y 5/2; 5Y 6/1) to olive gray (5Y 4/1) CALCAREOUS SILTY CLAY that contains approximately 15% micrite.
							5Y 4/1 To 5Y 5/2	
		2					5Y 6/1	Minor Lithology: A light olive gray (5Y 6/1) foraminifer ooze with 50% foraminifers occurs at 66–81 cm in Section 5. General Description: Cyclic lithologic sequences from light olive gray (5Y 5/2 and 5Y 6/1) CALCAREOUS SILTY CLAY to olive gray (5Y 4/1) CALCAREOUS SILTY CLAY occur throughout the core. *Chondrites* burrows are found throughout.
		3				S	5Y 5/2 To 5Y 4/1	
		4						
		5				S		
		6					5Y 5/2	
		7					5Y 5/2 To 5Y 4/1	
		CC				M		



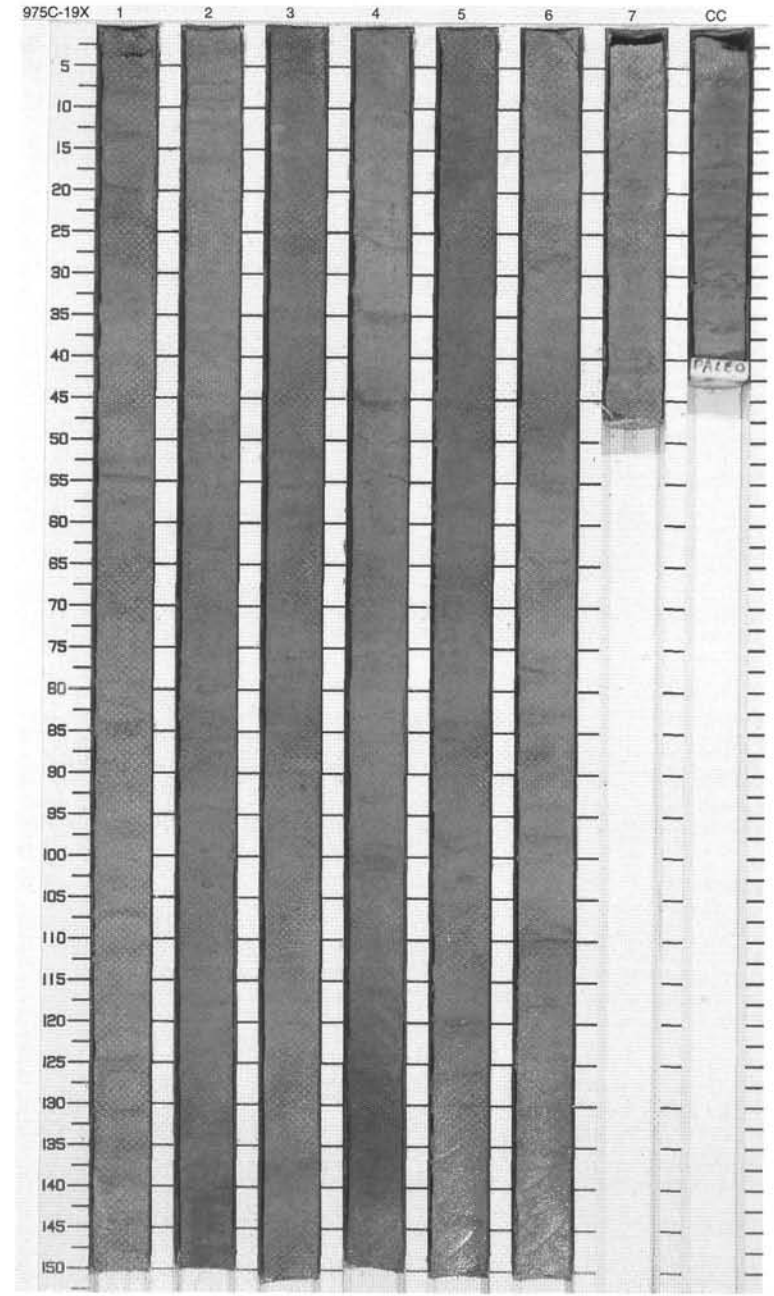
SITE 975 HOLE C CORE 18X CORED 154.4 - 164.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene			S	5Y 5/2	NANNNOFOSSIL SILTY CLAY Major Lithology: The major lithology is light olive gray (5Y 5/2; 5Y 6/1) to olive gray (5Y 4/1) NANNNOFOSSIL SILTY CLAY. General Description: Cyclic lithologic sequences from light olive gray (5Y 5/2) to moderate bioturbated, olive gray (5Y 4/1) NANNNOFOSSIL SILTY CLAY and from moderate bioturbated, light olive gray (5Y 5/2) to homogeneous olive gray (5Y 4/1) NANNNOFOSSIL SILTY CLAY occur throughout the core. *Chondrites* and *Zoophycos* burrows occur throughout the core.
							5Y 4/1 To 5Y 5/2	
		2					5Y 4/1	
		3					5Y 5/2	
		4					5Y 6/1	
		5					5Y 4/1 To 5Y 5/2	
		6						
		7						
		CC				M		



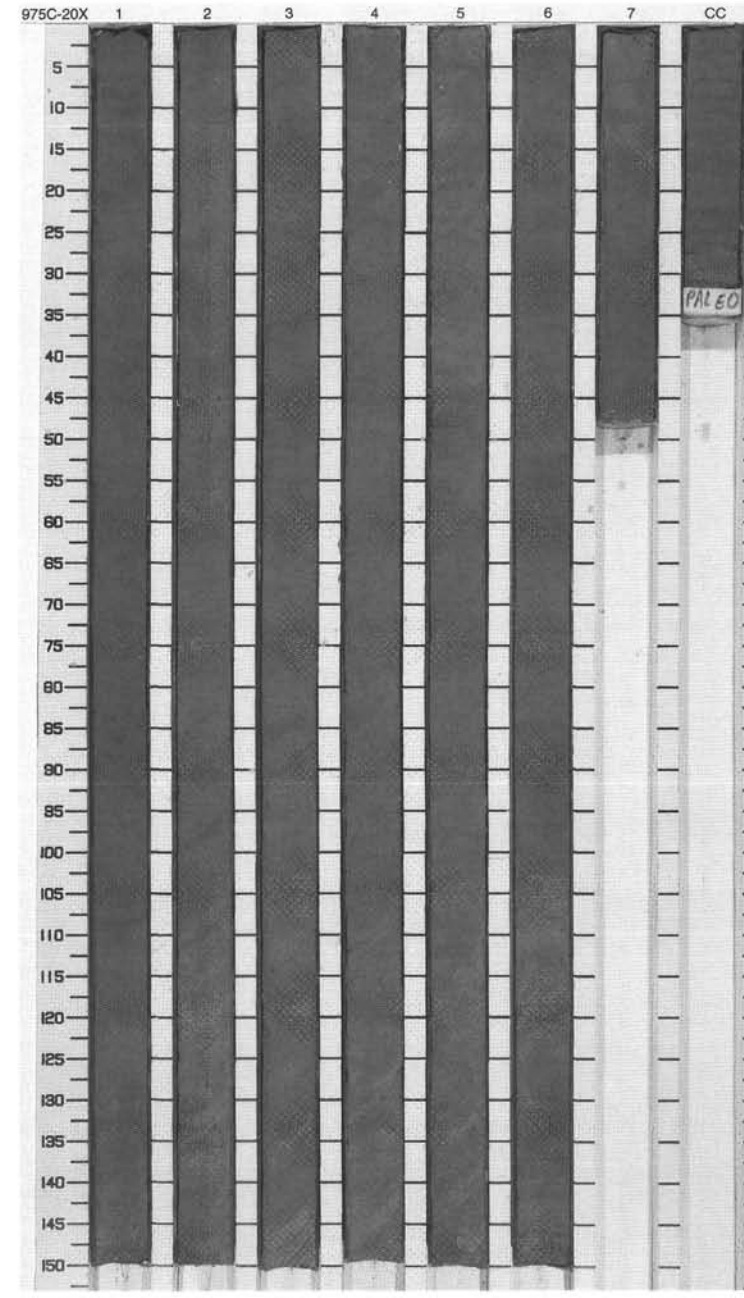
SITE 975 HOLE C CORE 19X CORED 164.1 - 173.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene				5Y 6/1	NANNOFOSSIL SILTY CLAY Major Lithology: The major lithology is light olive gray (5Y 5/2; 5Y 6/1) to olive gray (5Y 6/1) NANNOFOSSIL SILTY CLAY. General Description: *Cyclic lithologic sequences from light* olive gray (5Y 5/2) to moderately bioturbated, olive gray (5Y 4/1) NANNOFOSSIL SILTY CLAY occur throughout the core. An olive gray (5Y 4/1), parallel-laminated layer occurs at 82–85 cm in Section 2.
		2				S		
		3					5Y 5/2	
		4				S	5Y 4/1 To 5Y 5/2	
		5					5Y 4/1	
		6					5Y 6/1	
		7						
		CC				M	5Y 5/2	



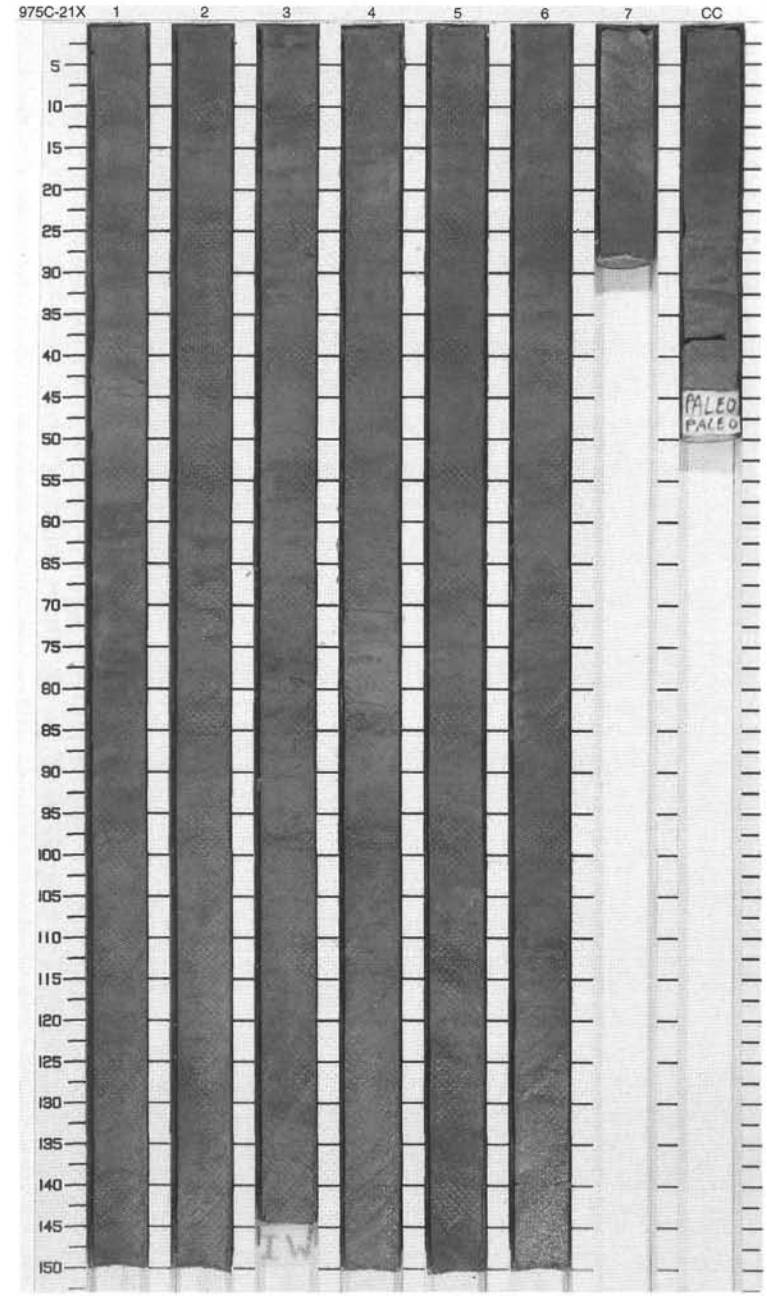
SITE 975 HOLE C CORE 20X CORED 173.7 - 183.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene				5Y 4/1 To 5Y 5/2	NANNOFOSSIL OOZE AND NANNOFOSSIL SILTY CLAY Major Lithology: The major lithologies are light olive gray (5Y 5/2; 5Y 6/1) to olive gray (5Y 4/1) NANNOFOSSIL OOZE and light olive gray (5Y 5/2) to olive gray (5Y 4/1) NANNOFOSSIL SILTY CLAY.
		2					5Y 4/1	
		3						
		4				S	5Y 6/1 To 5Y 5/2	
		5					5Y 4/1 To 5Y 5/2	
		6				S		
		7						
		CC				M		



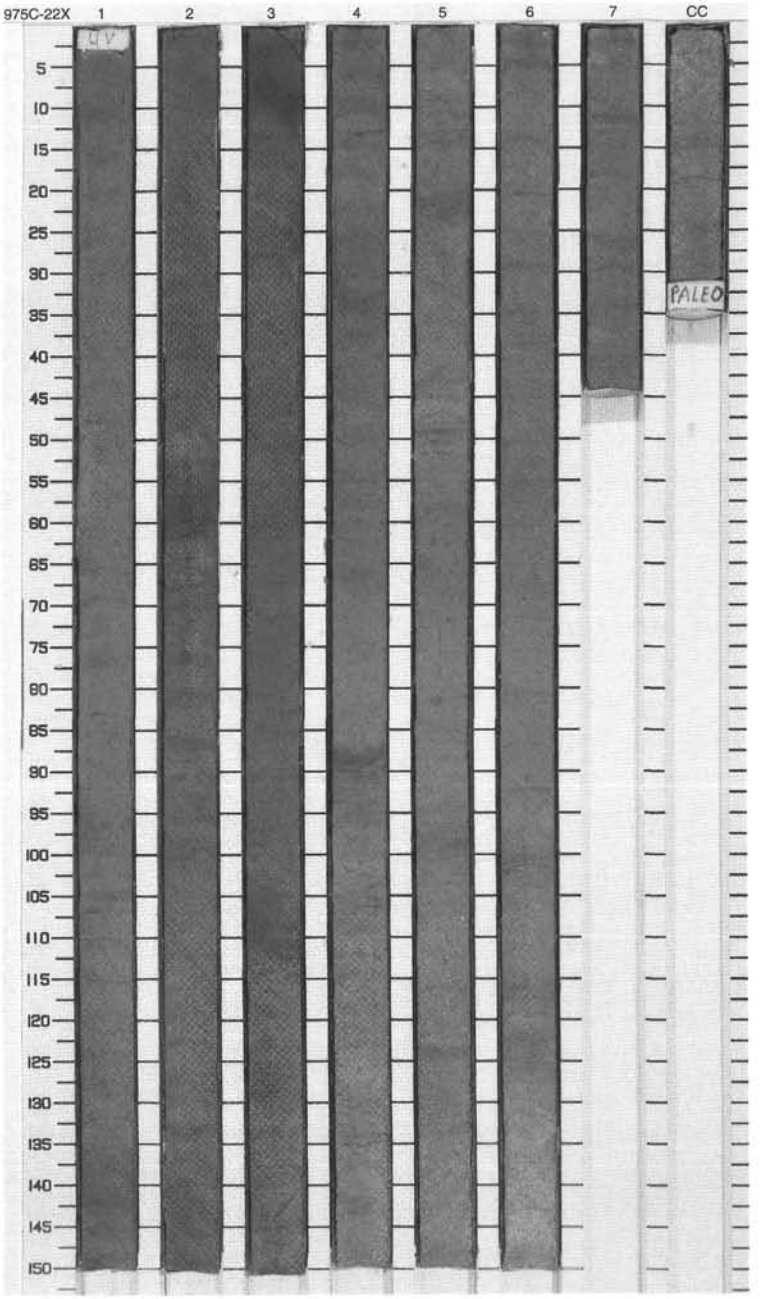
SITE 975 HOLE C CORE 21X CORED 183.4 - 192.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene				5Y 5/2	NANNOFOSSIL CLAY TO NANNOFOSSIL SILTY CLAY Major Lithology: The major lithologies are light olive gray (5Y 5/2) to olive gray (5Y 4/1) NANNOFOSSIL CLAY and light olive gray (5Y 5/2; 5Y 6/1) NANNOFOSSIL SILTY CLAY. General Description: Thin to medium color banded NANNOFOSSIL CLAY layers, ranging in color from light olive gray (5Y 5/2) to olive gray (5Y 4/1), occur throughout the core. A burrow replaced by pyrite occurs at 79–80 cm in Section 3. *Zoophycos* occurs at 76–77 cm in Section 4.
		2					5Y 4/1 To 5Y 5/2	
		3		P		S	5Y 5/2	
							5Y 5/2 To 5Y 4/1	
						I	5Y 4/1	
		4					5Y 5/2	
		5				S	5Y 4/1	
							5Y 5/2	
		6					5Y 5/2 To 5Y 6/1	
		7					5Y 4/1 To 5Y 5/2	
		CC				M		



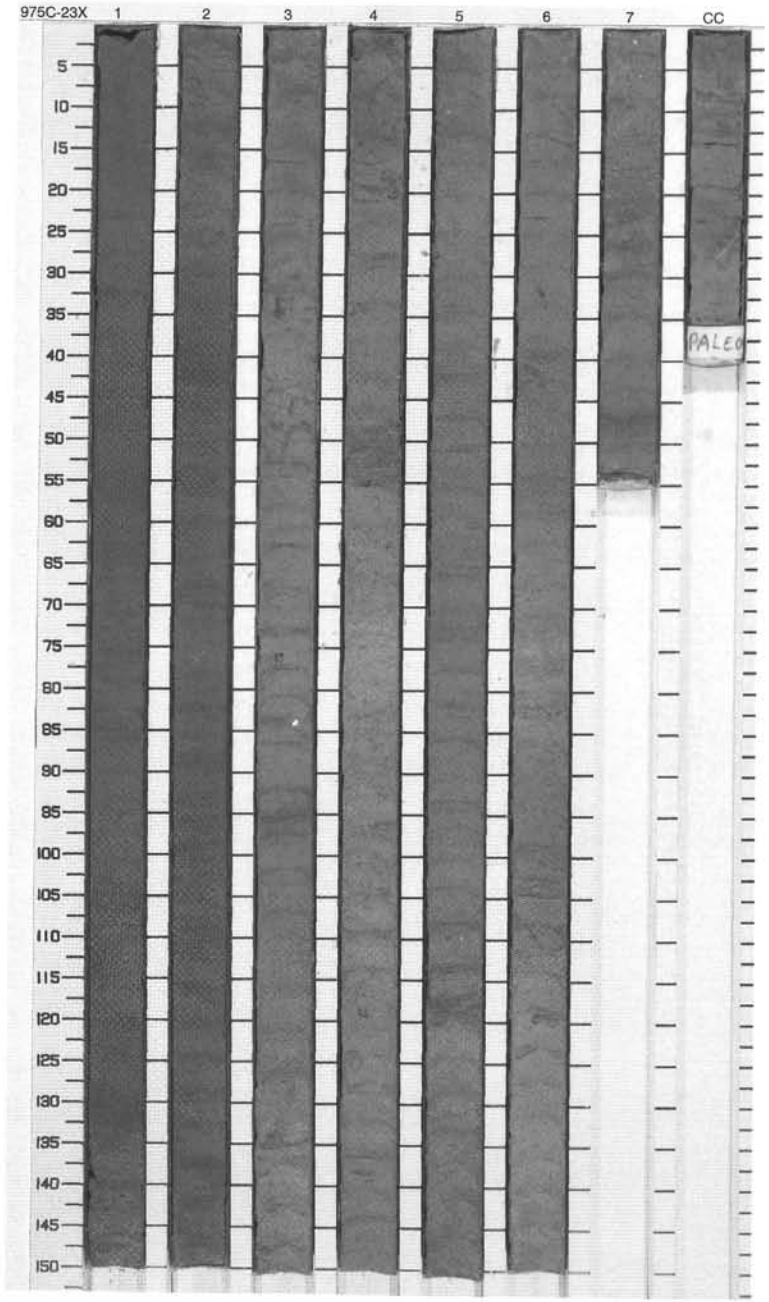
SITE 975 HOLE C CORE 22X CORED 192.9 - 202.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene				5Y 5/2	NANNOFOSSIL SILTY CLAY Major Lithology: The predominant lithology is a NANNOFOSSIL SILTY CLAY with variable amounts of dispersed foraminifer tests. The sediment is moderately burrowed. The main color is light olive gray (5Y 5/2) with minor intervals of olive gray (5Y 4/1) and faint bands of moderate olive brown (5Y 4/4). Most of the visible foraminifer tests are grayish olive (10Y 4/2) in color. General Description: Visible biscuiting throughout the core.
		2						
		3				S	5Y 4/1	
		4						
		5					5Y 5/2	
		6						
		7						
		CC				M		



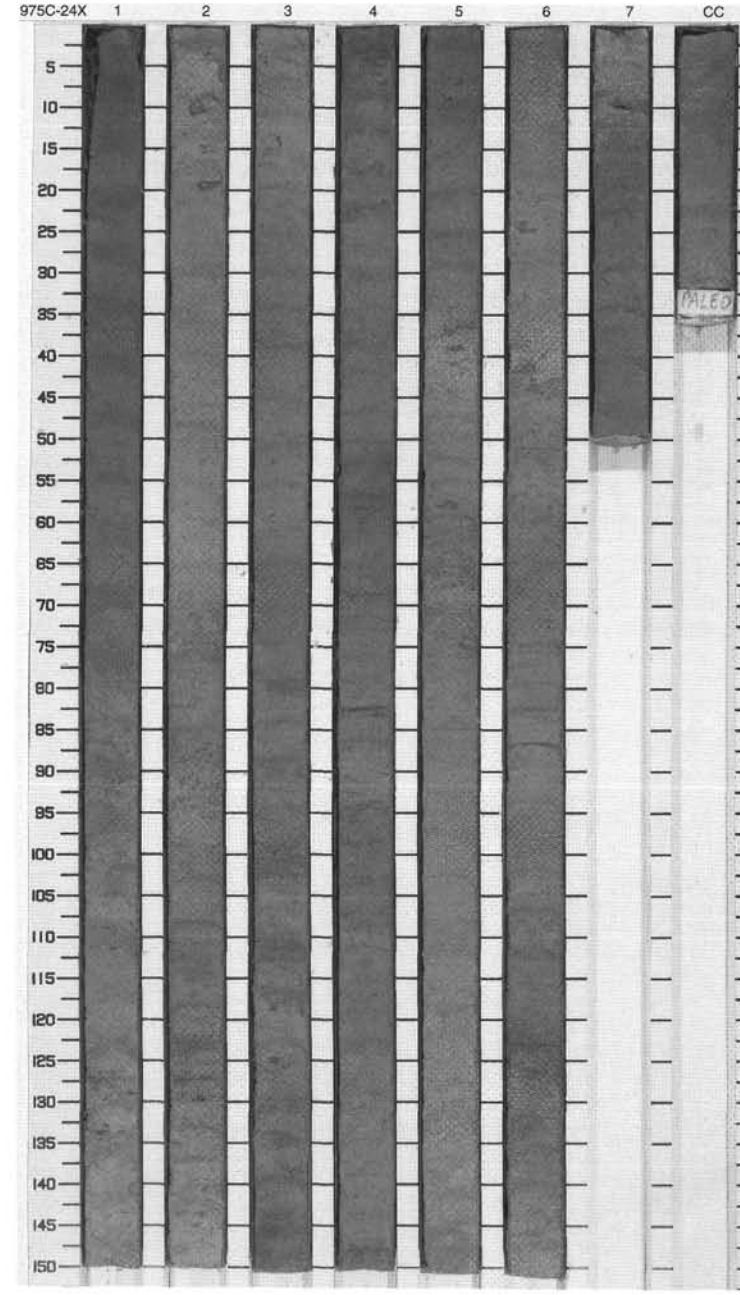
SITE 975 HOLE C CORE 23X CORED 202.5 - 212.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Pliocene			S, M	10Y 4/2; 5Y 5/2	NANNOFOSSIL CLAY Major Lithology: *The main lithology is a* NANNOFOSSIL CLAY which is *moderately to intensely burrowed and* contains visible foraminifer tests. The *main color is light olive gray* (5Y 5/2) with subordinate grayish olive (10Y 4/2) *near the top of the core. Rare* color banding is mainly moderate olive brown (5Y 4/4). Trace fossils *are* predominantly olive gray (5Y 4/1) in color. General Description: Visible biscuiting is present throughout the core. Trace fossils *Chondrites and Planolites* are present at several horizons.



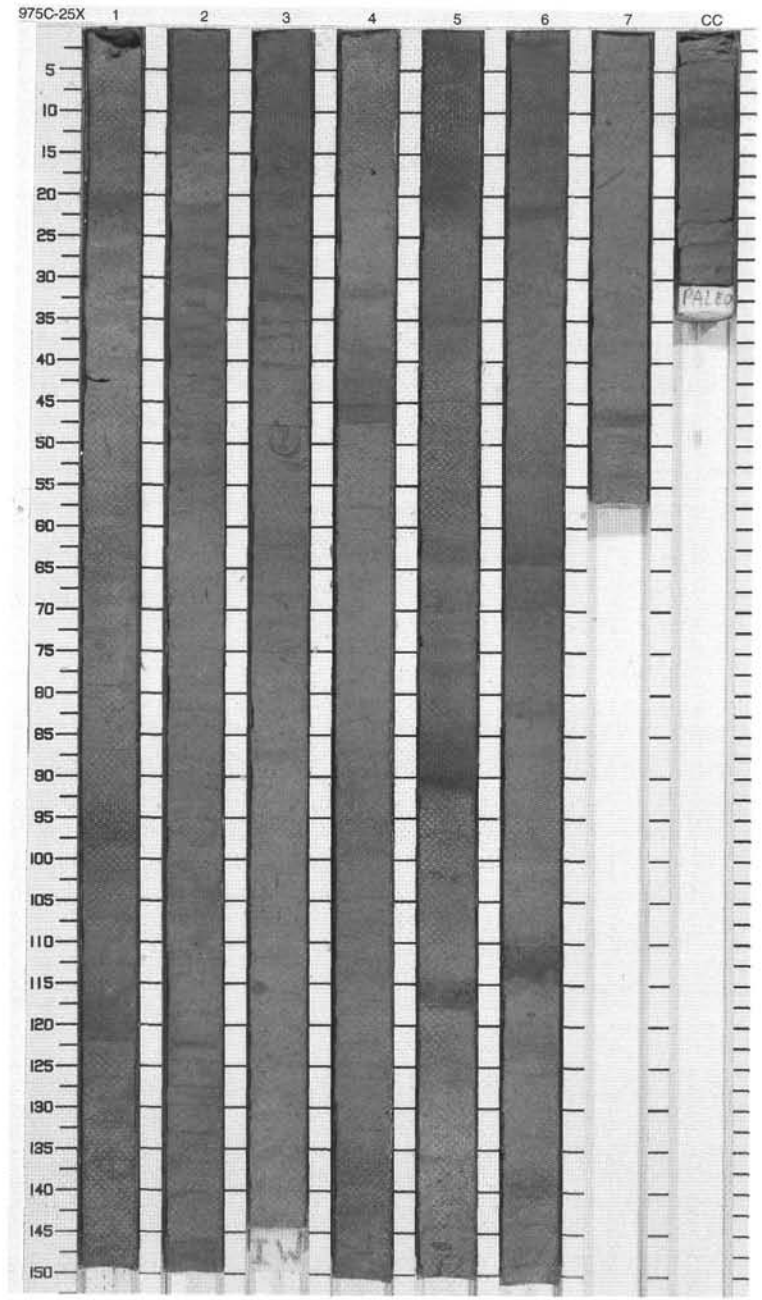
SITE 975 HOLE C CORE 24X CORED 212.2 - 221.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Pliocene			S, M	5Y 5/2; 10Y 6/2; 5Y 5/2	CALCAREOUS CLAY Major Lithology: The predominant lithology is a CALCAREOUS CLAY, light olive gray (5Y 5/2) in color with diffuse color banding mainly light olive brown (5Y 5/6) to moderate olive brown (5Y 5/6) in color. The sediment is moderately burrowed. Relatively common *Chondrites* (stained by 5Y 4/4) and rare *Zoophycos* occur. Minor Lithologies: Discontinuous silty laminae occur rarely (e.g., Section 2, 130 cm). General Description: Biscuiting visible throughout core. * Upper 123 cm stuck in barrel.



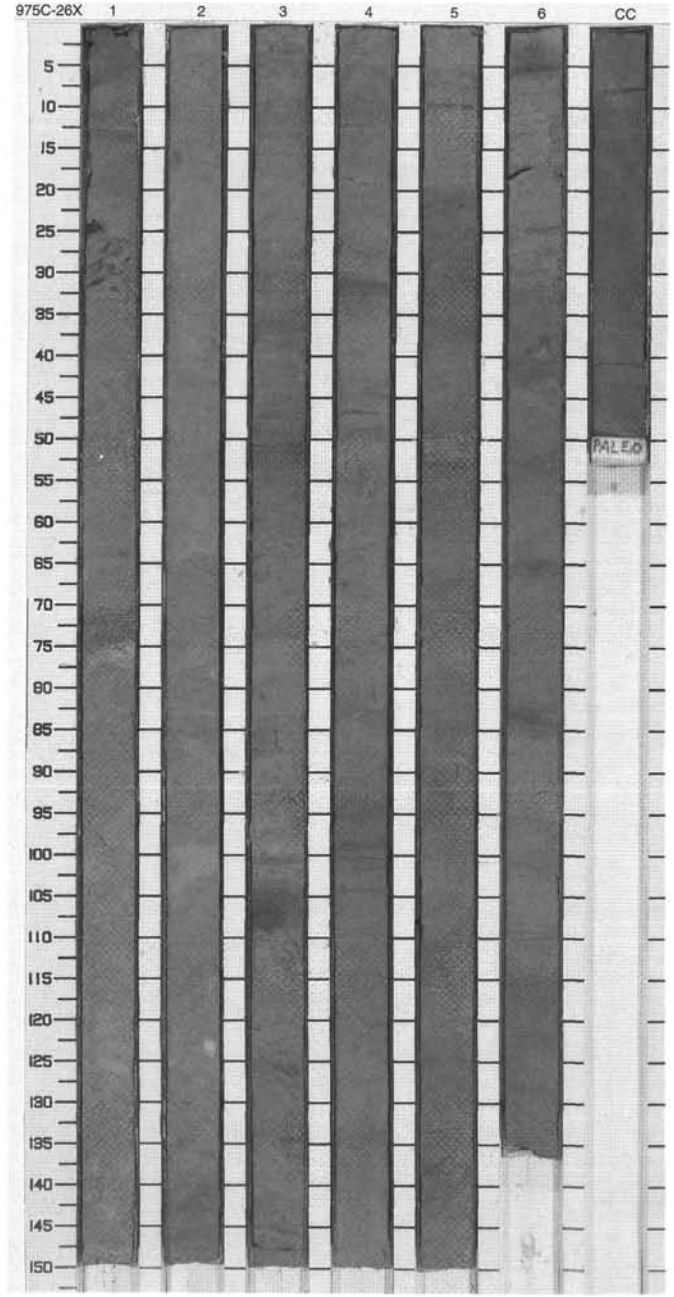
SITE 975 HOLE C CORE 25X CORED 221.7 - 231.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Pliocene–early Pliocene			I, S, S, M	5Y 5/2	NANNOFOSSIL CLAY TO CALCAREOUS CLAY. Major Lithology: The main lithologies are NANNOFOSSIL CLAY and CALCAREOUS CLAY which are burrowed and contain sparse dispersed foraminifers. The principal color of these sediments is light olive gray (5Y 5/2) with minor occurrences of grayish olive (10Y 4/2), light olive brown (5Y 5/6), and olive gray (5Y 4/1). The burrows are mainly olive gray (5Y 4/1) or grayish olive (10Y 4/2). The main burrow type is *Chondrites* which occurs in zones up to 10 cm thick. Minor Lithologies: Rare, thin silt laminae have sharp bases and gradational tops. General Description: Visible biscuiting is present throughout the core. *Upper 42 cm stuck in core barrel.



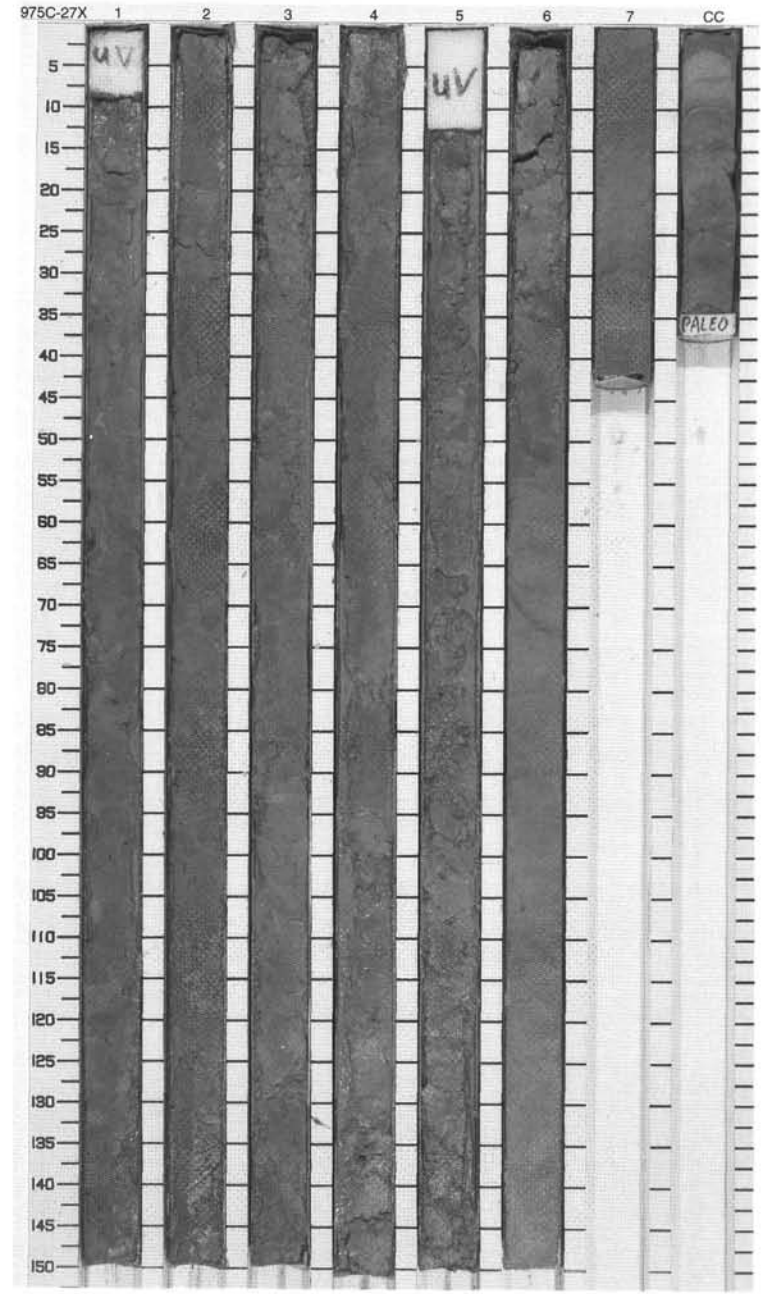
SITE 975 HOLE C CORE 26X CORED 231.4 - 241.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Pliocene–early Pliocene			S	5Y 5/2	CALCAREOUS OOZE Major Lithology: The predominant sediment type is CALCAREOUS OOZE, mainly light olive gray (5Y 5/2) in color with rare intervals of pale olive (10Y 6/2) color. The sediment is slightly to moderately burrowed and contains visible foraminifers. A number of well-developed, horizontal, *Zoophycos* burrows are present. General Description: A slump is present over the interval Section 2, 26 cm, to Section 3, 132 cm. Here, the sediment has extensive development of thin, interlaminated color bands; these color bands are inclined and/or folded throughout the interval. Biscuiting is present throughout the core.
		2					10Y 6/2	
		3						
		4					5Y 5/2	
		5						
		6						
		CC				M		



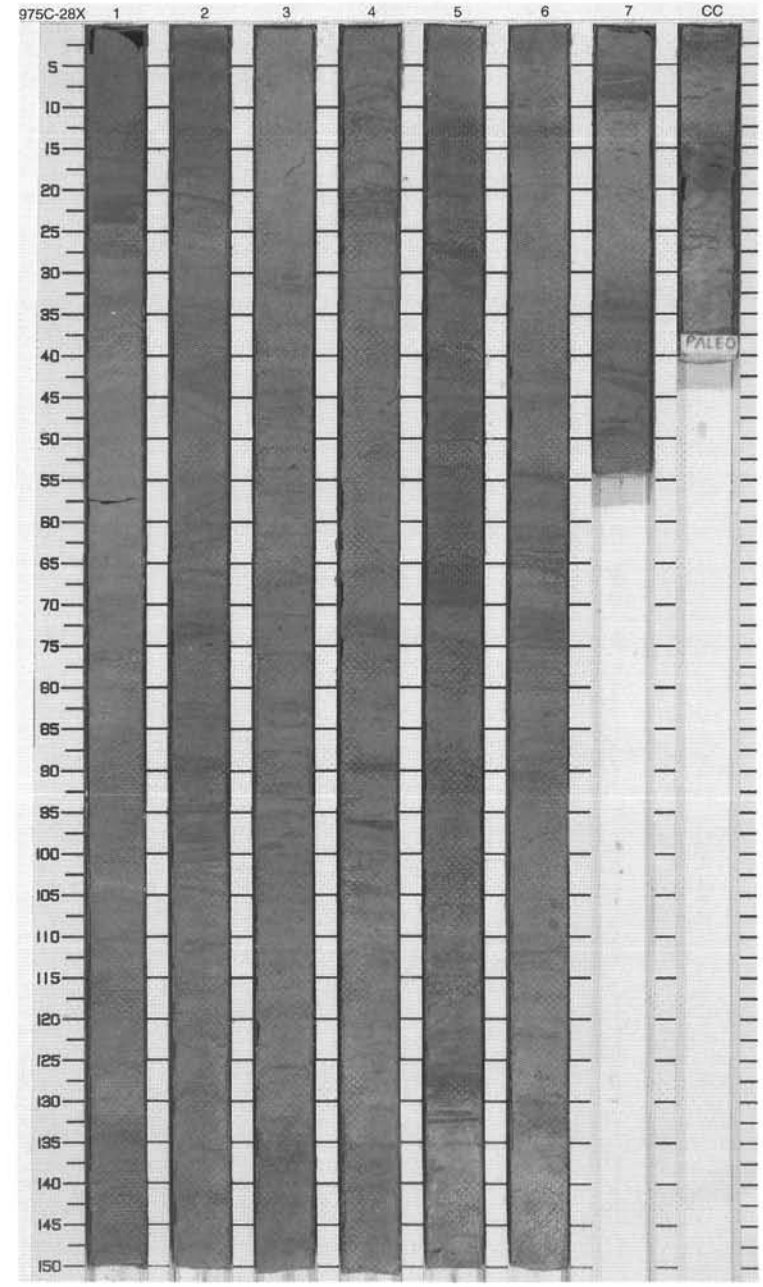
SITE 975 HOLE C CORE 27X CORED 241.0 - 251.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1, 2, 3, 4, 5, 6, 7, CC	early Pliocene			S, M	10Y 6/2; 5Y 5/2	NANNOFOSSIL CLAY Major Lithology: The main sediment type is NANNOFOSSIL CLAY, pale olive (10Y 6/2) in color, with moderate burrowing developed beginning in Section 6, 50 cm and continuing through Section 7, 42 cm. General Description: The sediment has been highly disrupted by drilling to produce a clay-clast-rich (aspect ratios 6:4 to 7:4 except where locally fractured and broken; some rounding on corners) sediment with a soupy clay matrix surrounding the clasts (more abundant in lower levels of the core than in upper). The clasts have their long axes oriented subparallel to the long axis of the core.



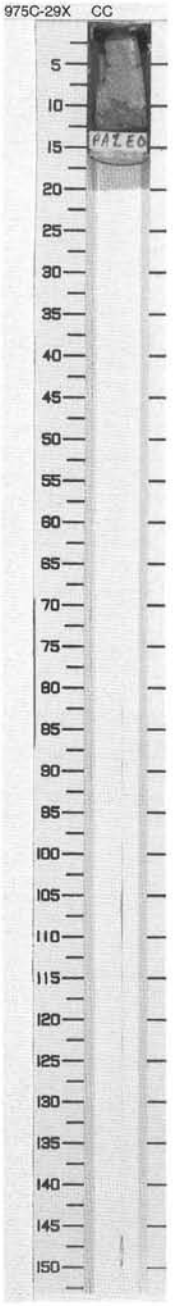
SITE 975 HOLE C CORE 28X CORED 251.0 - 261.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pliocene				5Y 6/1	NANNOFOSSIL OOZE Major Lithology: The major lithology is light olive gray (5Y 6/1, 5Y 5/2) NANNOFOSSIL OOZE ranging up to brownish gray (5Y 4/1) and moderate olive brown (5Y 4/4) in color-banded intervals.
		2				S	5Y 5/2	
		3				S		
		4					5Y 5/2 To 5Y 4/4	
		5					5Y 5/2 To 5Y 4/1	
		6						
		7						
		CC				M		



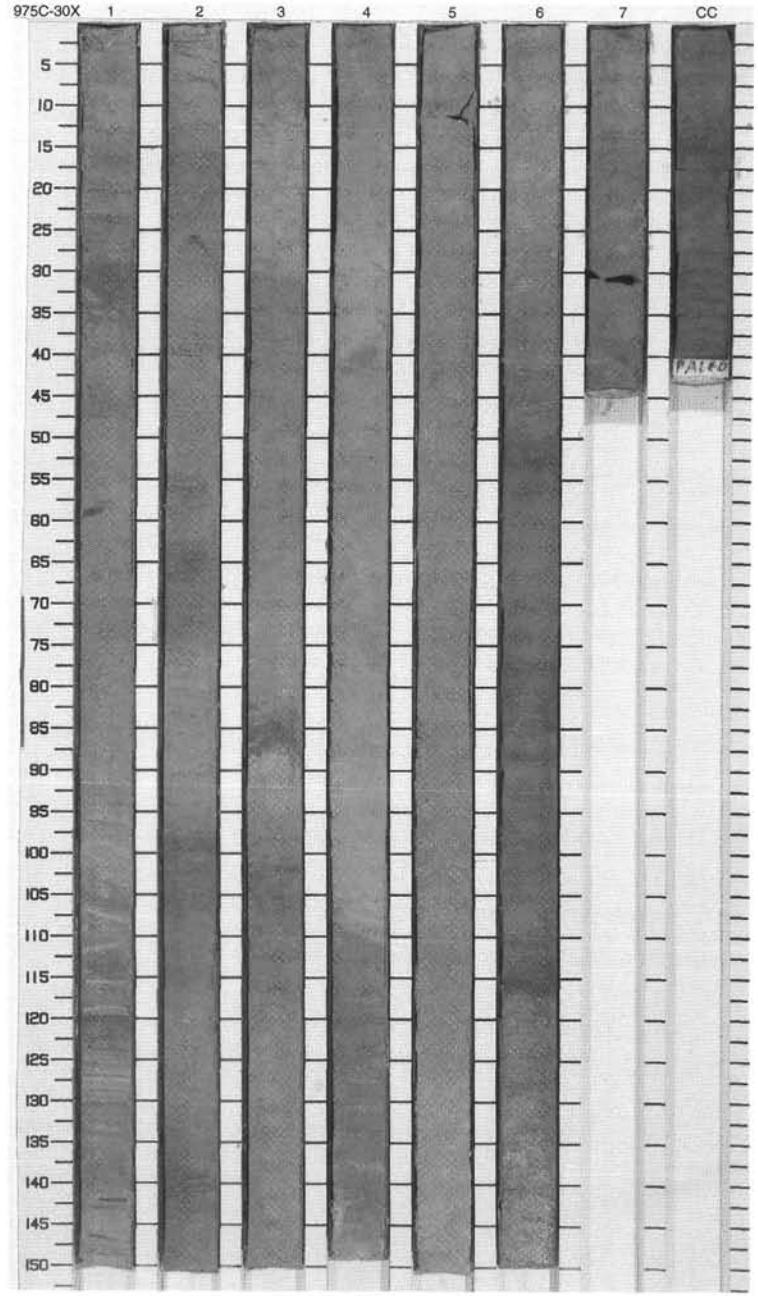
SITE 975 HOLE C CORE 29X CORED 261.0 - 270.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		CC						NANNOFOSSIL OOZE AND NANNOFOSSIL CLAY Major Lithology: Homogeneous light olive gray (5Y 6/1) NANNOFOSSIL OOZE (0–7 cm) and olive gray (5Y 4/1) NANNOFOSSIL CLAY (7–12 cm) are present. General Description: Only 15 cm (1%) recovery. 3 cm given to paleontologists.



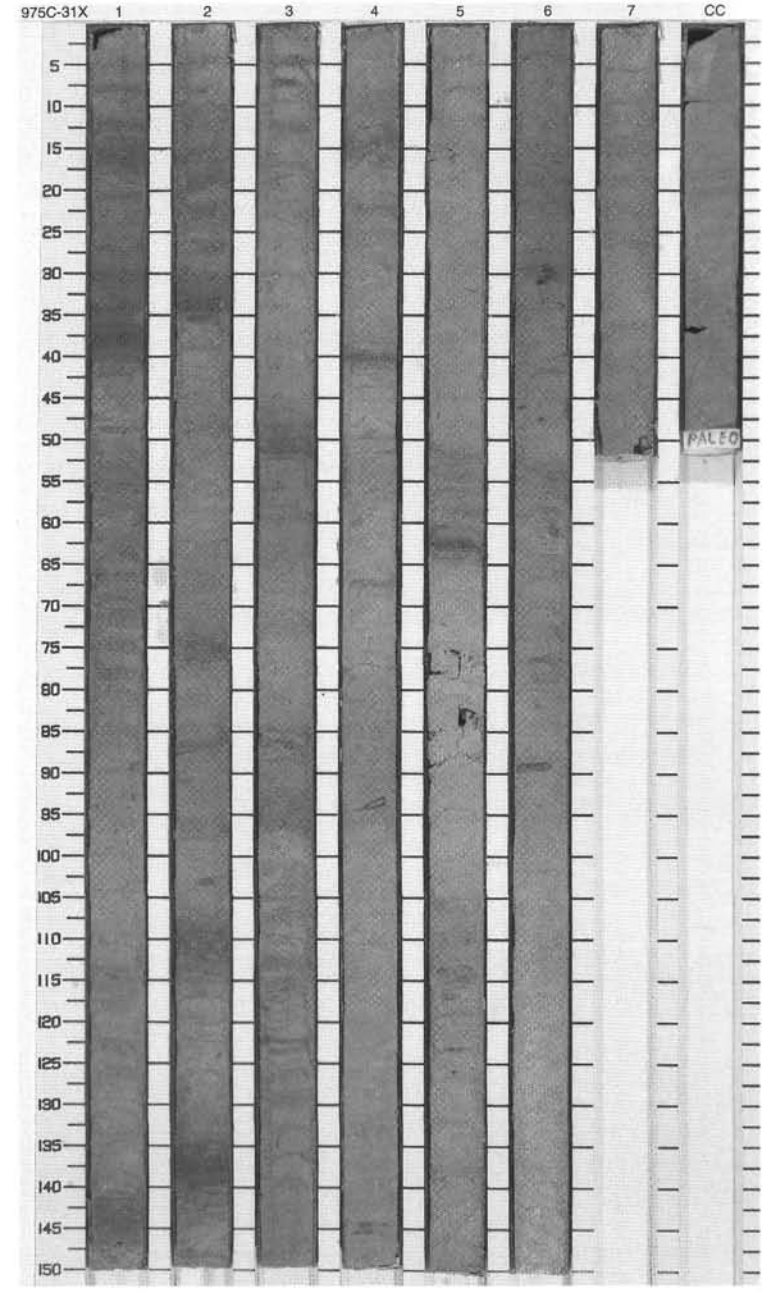
SITE 975 HOLE C CORE 30X CORED 270.9 - 280.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Pliocene			S, S, M	10YR 6/2; 5Y 5/2 To 5Y 4/4; 5Y 6/4 To 10YR 5/4; 5Y 5/2; 10YR 6/2; 5Y 6/1; 5Y 5/2	NANNOFOSSIL OOZE AND NANNOFOSSIL-FORAMINIFER OOZE Major Lithology: The major lithologies are light olive gray (5Y 5/2, 5Y 6/1) NANNOFOSSIL OOZE and pale yellowish brown (10YR 6/2), moderate yellowish brown (10YR 5/4), and dusky yellow (5Y 6/4) NANNOFOSSIL-FORAMINIFER OOZE. General Description: Pyrite-bearing burrows are present throughout the core. Dispersed angular sandy fragments occur in Section 1, 80–110 cm.



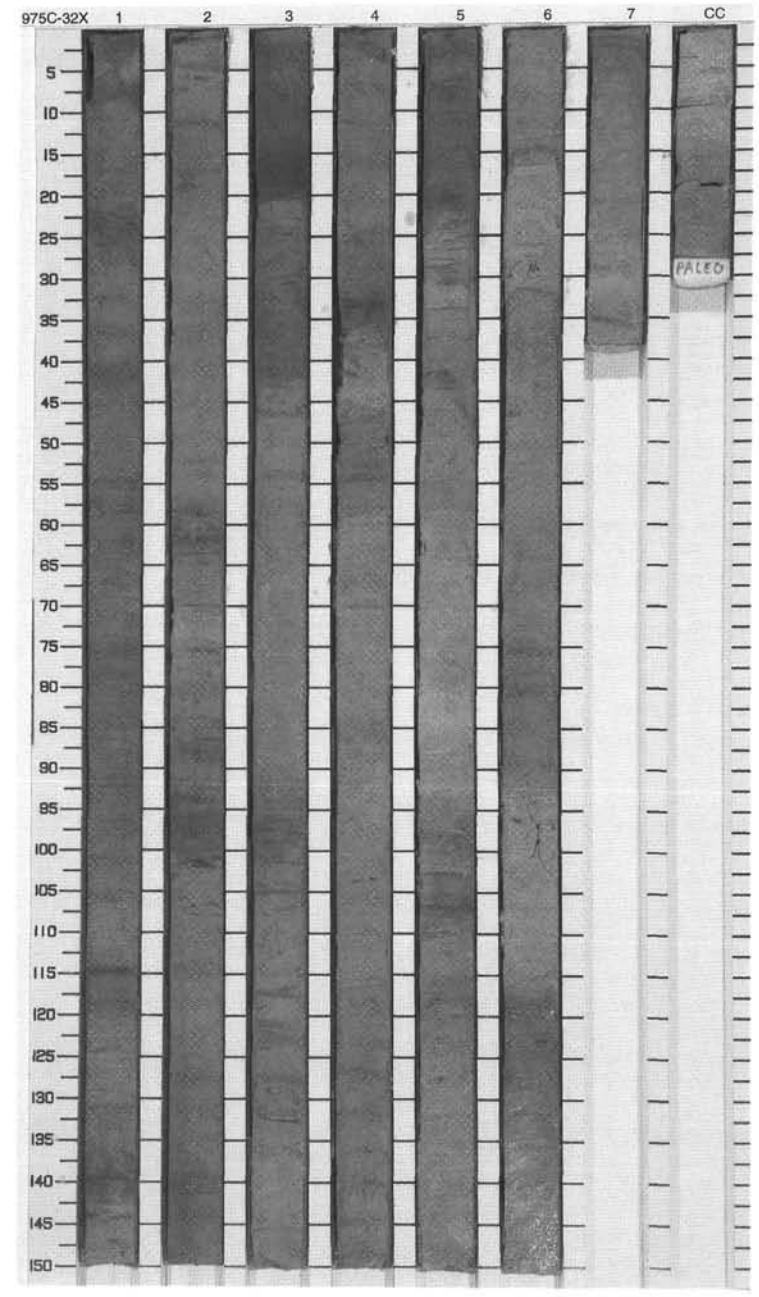
SITE 975 HOLE C CORE 31X CORED 280.8 - 290.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	early Pliocene			S	5Y 6/1 To 5Y 4/1	NANNOFOSSIL OOZE AND NANNOFOSSIL-FORAMINIFER OOZE Major Lithology: Light olive gray (5Y 5/2, 5Y 6/1) to olive gray and pale yellowish brown (5Y 4/1 and 10YR 6/2) NANNOFOSSIL OOZE and light olive gray (5Y 5/2) to yellowish gray (5Y 7/2) NANNOFOSSIL- FORAMINIFER OOZE are the predominant lithologies.
		2					5Y 5/2 To 5Y 4/1	
		3						
		4					5Y 6/1 To 5Y 5/2	
		5				S	5Y 5/2 To 5Y 7/2	
		6					5Y 5/2 To 10YR 6/2	
		7						
		CC				M		



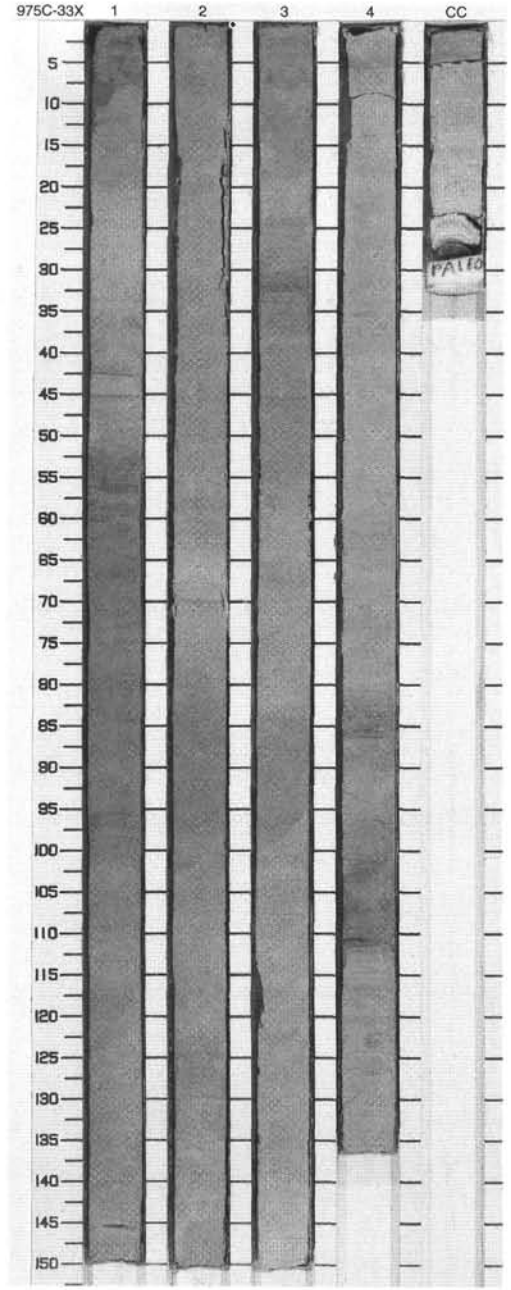
SITE 975 HOLE C CORE 32X CORED 290.8 - 300.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Pliocene			S, S, M	5Y 5/2 To 5Y 4/4	NANNOFOSSIL OOZE Major Lithology: The major lithology is light olive gray to yellowish gray (5Y 5/2 to 5Y 7/2) NANNOFOSSIL OOZE with a moderate to high content of foraminifers. Moderate olive brown (5Y 4/4) oxidation zones occur within NANNOFOSSIL OOZE throughout the core.



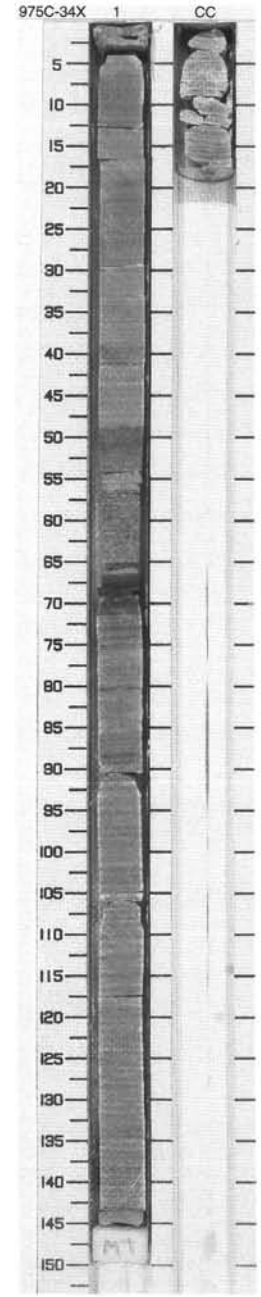
SITE 975 HOLE C CORE 33X CORED 300.7 - 310.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1, 2, 3, 4, CC	miocene–early Pliocene			S, S, S, M	5Y 5/2; 10YR 6/2; 10YR 6/2 To 5Y 6/4; N6; 5Y 6/1 To 5Y 4/1	NANNOFOSSIL-FORAMINIFER OOZE Major Lithology: The dominant lithology is slightly bioturbated, moderately color-banded NANNOFOSSIL-FORAMINIFER OOZE. Foraminifer content is greatest in Sections 1 and 2. Minor Lithologies: Calcareous sandy silt occurs in two thin beds at 80–110 cm in Section 4, with an intervening thin bed (86–100 cm) of nannofossil-foraminifer ooze. The lower part of Section 4 (112–136 cm) and the CC consist of finely laminated (mm scale; white and green) *calcareous (micritic)* silty clay. A pebble (4.5 cm diameter) of granule conglomerate occurs at the base of the CC. In thin section, this pebble consists of clasts of quartz, quartzite, metaquartzite and chert cemented by twinned coarse-carbonate and minor quartz overgrowth cement; the rock has undergone brittle deformation, with localized cataclastic texture and intergranular pressure solution.



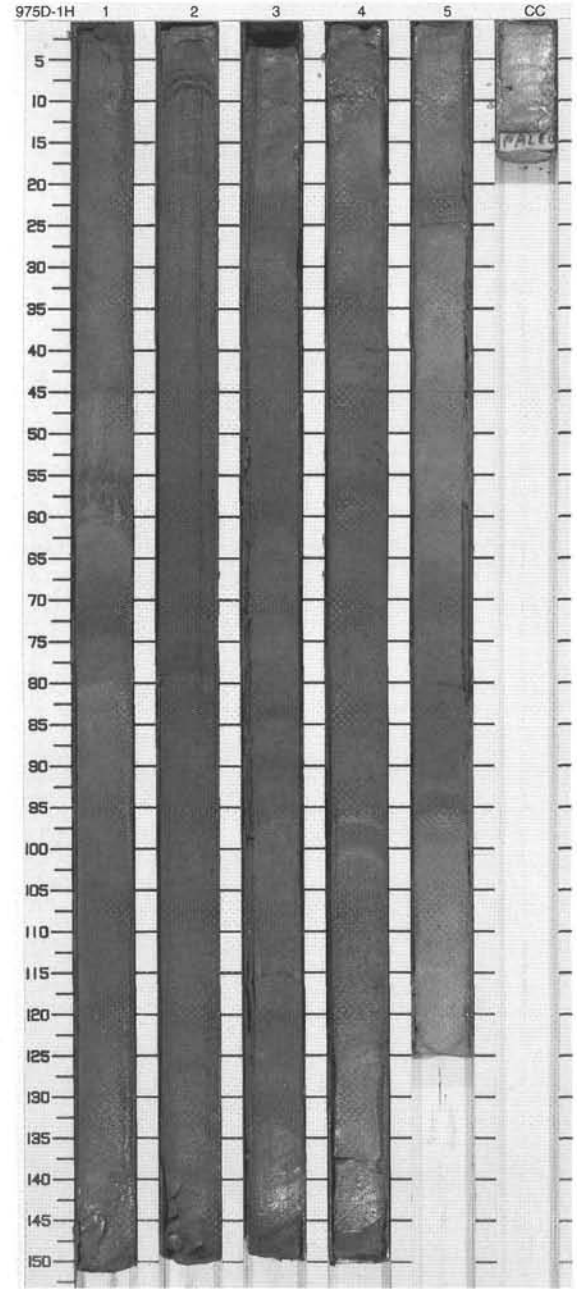
SITE 975 HOLE C CORE 34X CORED 310.7 - 313.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1 CC	Miocene			S S S S S M S	10Y 6/2 To 10Y 8/2	LAMINATED GYPSUM Major Lithology: The main lithology is LAMINATED GYPSUM. The laminae have planar bases with planar to wavy upper surfaces; concentrations of clay and micrite occur along lamina boundaries. In thin section, the laminae show reverse grading. Some laminae in the interval from 69 to 85 cm in Section 1 show evidence for irregular (stellate?) growth of gypsum crystals along bedding surfaces and/or recrystallization and nodule formation. Minor Lithologies: Nodular gypsum at 69–71 cm in Section 1 is overlain by grayish green (5G 4/2) massive to laminated clay at 66.5–69 cm, that is in turn overlain by thinly bedded to laminated dusky yellow green (5Y 5/2) to greenish gray (5GY 6/1) gypsifeous chalk from 48–66.5 cm. Authigenic gypsum crystals within the gypsifeous chalk range up to 5 mm in length. A thin bed of greenish gray (5GY 6/1) gypsifeous micrite occurs at 143–145 cm in Section 1.



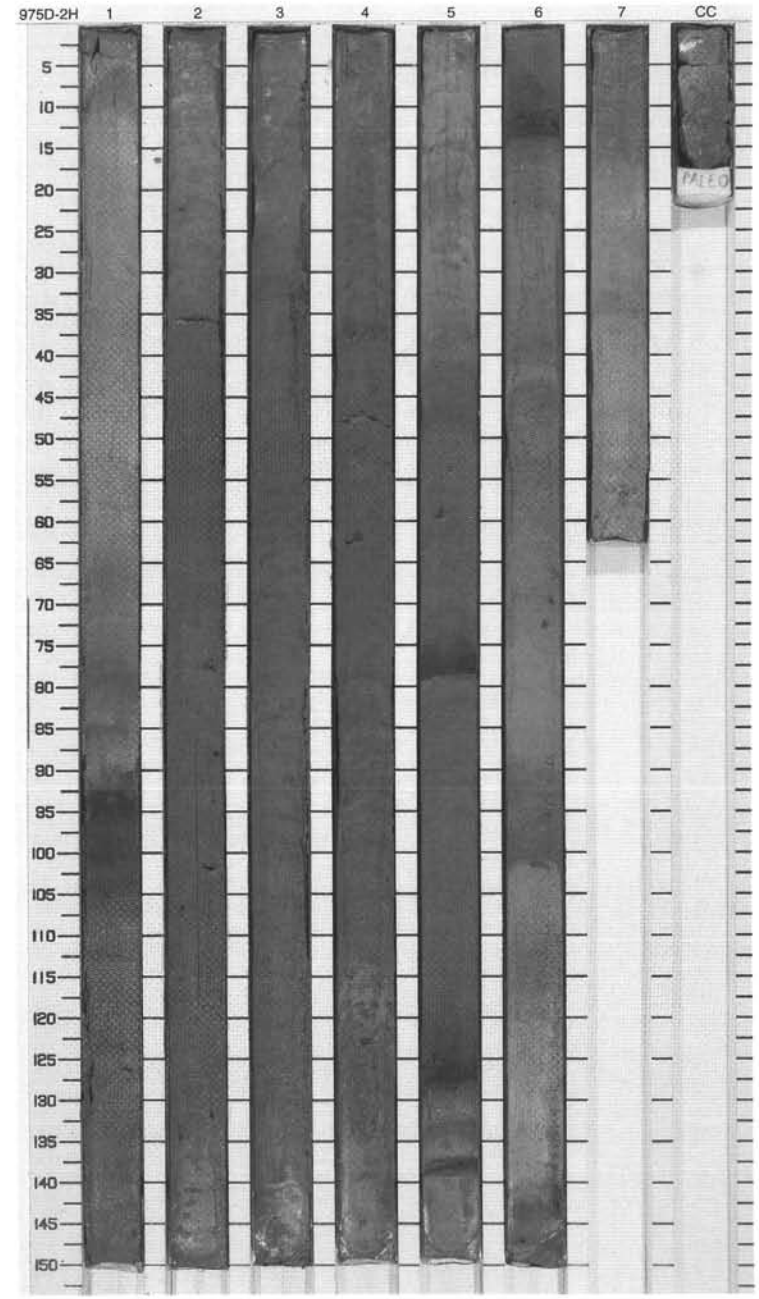
SITE 975 HOLE D CORE 1H CORED 0.0 - 7.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1	Pleistocene			S	10YR 5/4	NANNOFOSSIL CLAY AND NANNOFOSSIL SILTY CLAY Major Lithology: The major lithologies are light olive gray (5Y 5/2, 5Y 6/1) to olive gray (5Y 4/1) NANNOFOSSIL CLAY AND NANNOFOSSIL SILTY CLAY, with a moderate content of shell fragments throughout the core. General Description: Section 5, 25–37 cm disturbed - collapsed a void on the catwalk.
							5Y 4/4	
		2					5Y 4/1	
							5Y 5/2	
		3				S	5Y 4/1	
		4					5Y 5/2 To 5Y 4/1	
		5					5Y 5/2 To 5Y 6/1	
		CC				M		



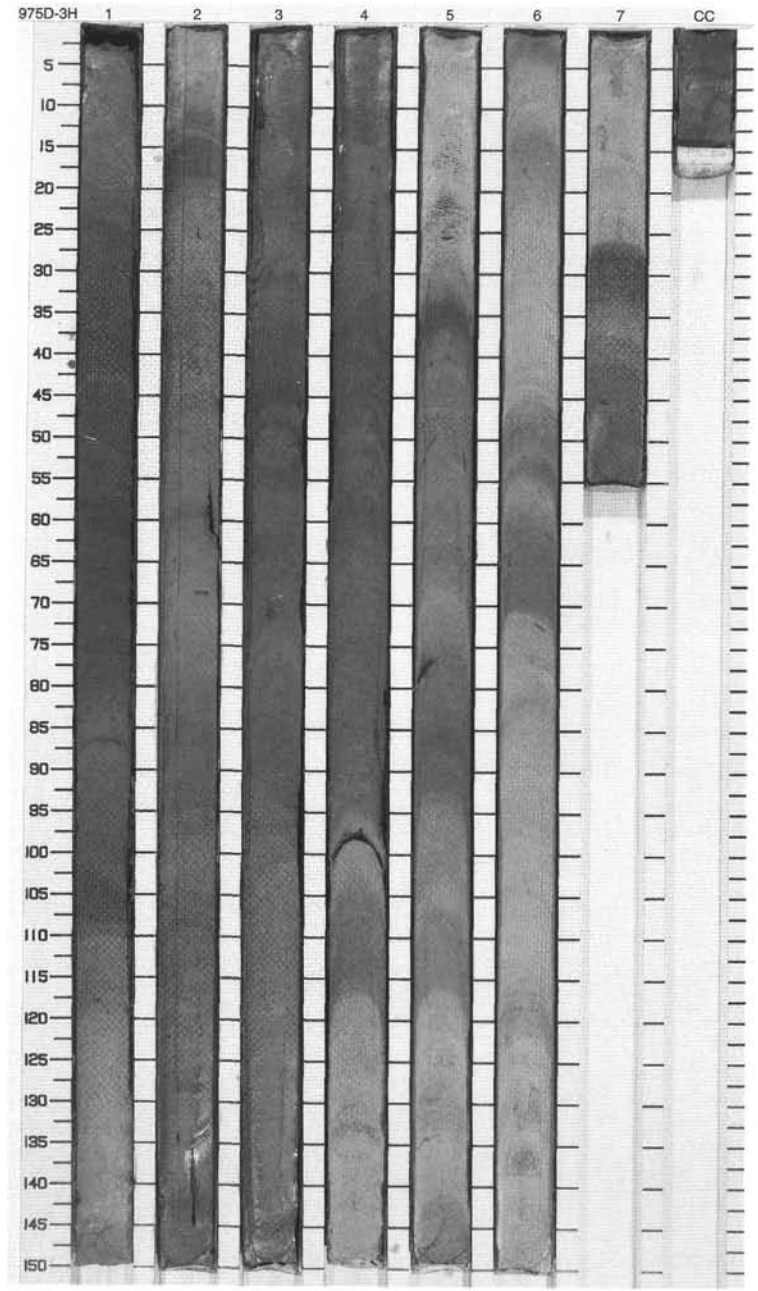
SITE 975 HOLE D CORE 2H CORED 7.4 - 16.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene			M	5Y 5/2; 10Y 4/2; 5Y 5/2	NANNOFOSSIL CLAY Major Lithology: The main sediment type is NANNOFOSSIL CLAY, light olive gray (5Y 5/2 to grayish olive (10Y 4/2) in color, which is generally uniform except for several intervals of color mottling and color banding (olive gray - 5Y 4/1 and moderate olive brown - 5Y 4/4). Shell fragments and intact pteropod fragments visible throughout. General Description: Organic-rich layers are present in Section 2, 91.5–101.5 cm (5Y 3/2) and Section 5, 76–79 cm (5Y 3/2) and 122–129 and 138–139 cm (the latter two make up a composite layer).



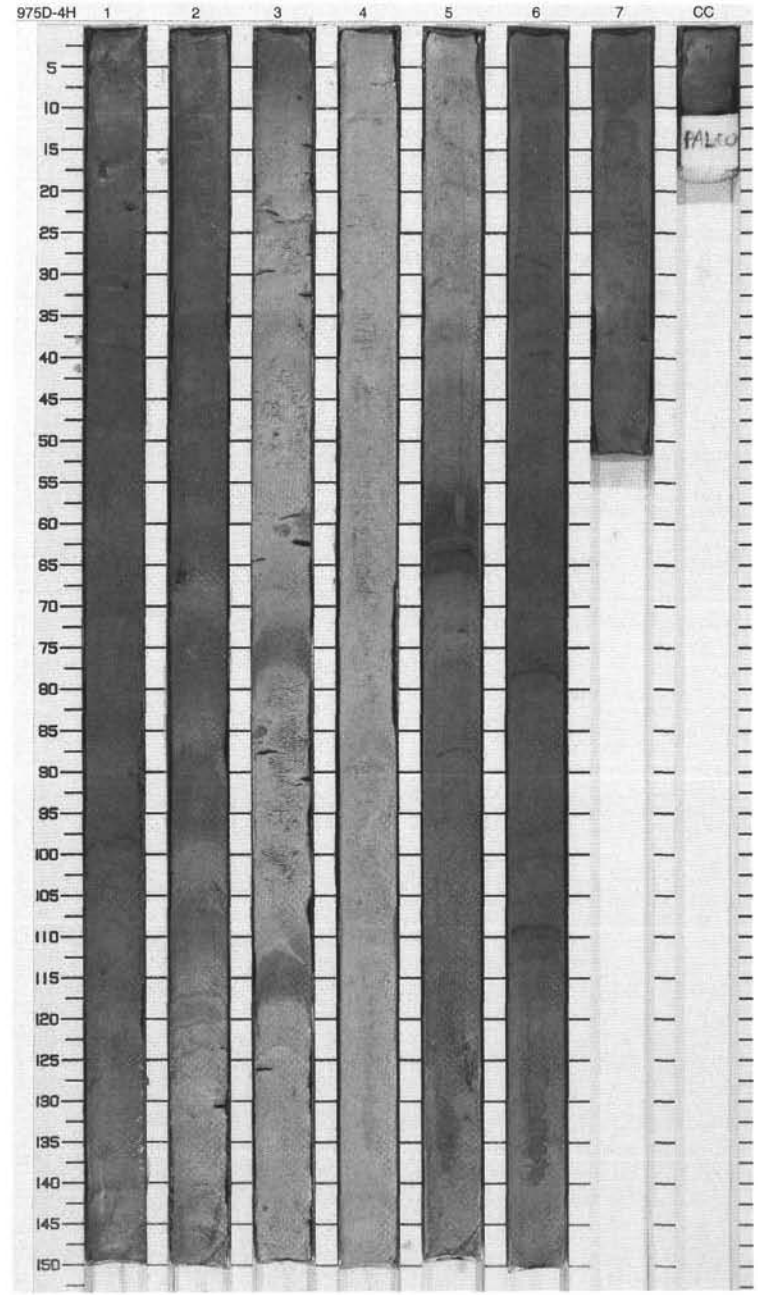
SITE 975 HOLE D CORE 3H CORED 16.9 - 26.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene			M	5Y 5/2 To 10Y 4/2; 10Y 4/2; 5Y 5/2; 10Y 6/2; 5Y 5/2 To 10Y 6/2	NANNOFOSSIL CLAY TO NANNOFOSSIL-RICH CLAY Major Lithology: The main lithologies are NANNOFOSSIL CLAY and NANNOFOSSIL-RICH CLAY, the former light olive gray (5Y 4/2) to pale olive (10Y 6/2) in color and the latter light olive gray (5Y 5/2) to grayish olive (10Y 4/2) in color. Banding is rare throughout and is variably light olive brown (5Y 5/6), grayish olive (10Y 4/2), moderate olive brown (5Y 4/4), and olive gray (5Y 4/1). Banding increases in frequency near the base of the core. Minor Lithologies: Olive gray (5Y 4/1), thin, graded laminae rich in shell fragments occur in Section 4, 100 cm and Section 6, 120 cm (adjacent clay intervals may be calcareous silty clay). General Description: Organic-rich layers occur in Section 2, 14–19 cm (5Y 4/1) and Section 7, 26–33 cm. Pyritized burrows are present in the core. Shell fragments are common in the upper part of the core but are less common down core.



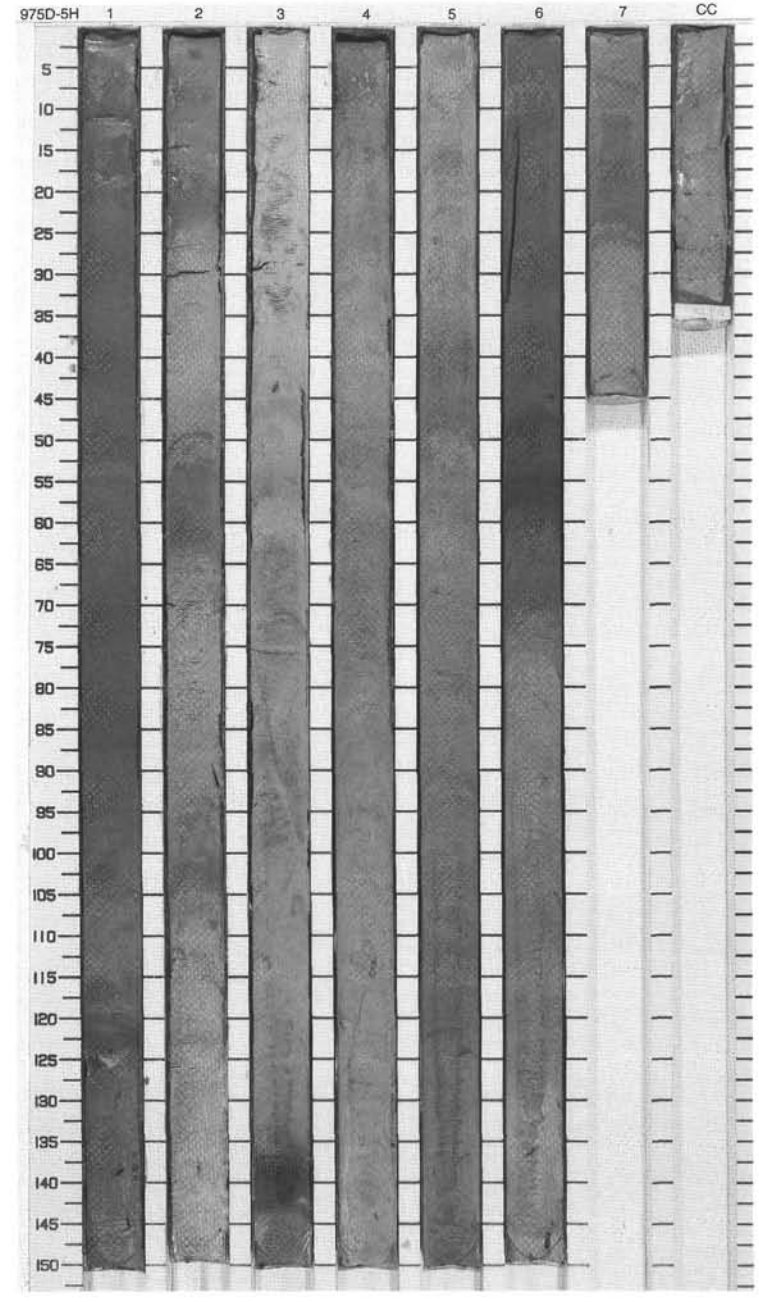
SITE 975 HOLE D CORE 4H CORED 26.4 - 35.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene			M	5Y 5/2 To 10Y 4/2; 5Y 5/2; 5Y 5/2 To 10Y 6/2; 5Y 7/2; 5Y 5/2; 5Y 4/1	NANNOFOSSIL CLAY Major Lithology: The main lithology is NANNOFOSSIL CLAY, mainly light olive gray in color but locally varying to pale olive (10Y 4/2) and grayish olive (10Y 6/2). Minor Lithology: The minor lithology is nannofossil ooze, mainly yellowish gray (5Y 7/2) in color. General Description: An organic-rich layer occurs in Section 5, 55–65.5 cm. Rare color bands in moderate olive brown (5Y 4/4), pale olive (10Y 6/2), and light olive (5Y 5/6) occur. Several intervals show minor to moderate bioturbation.



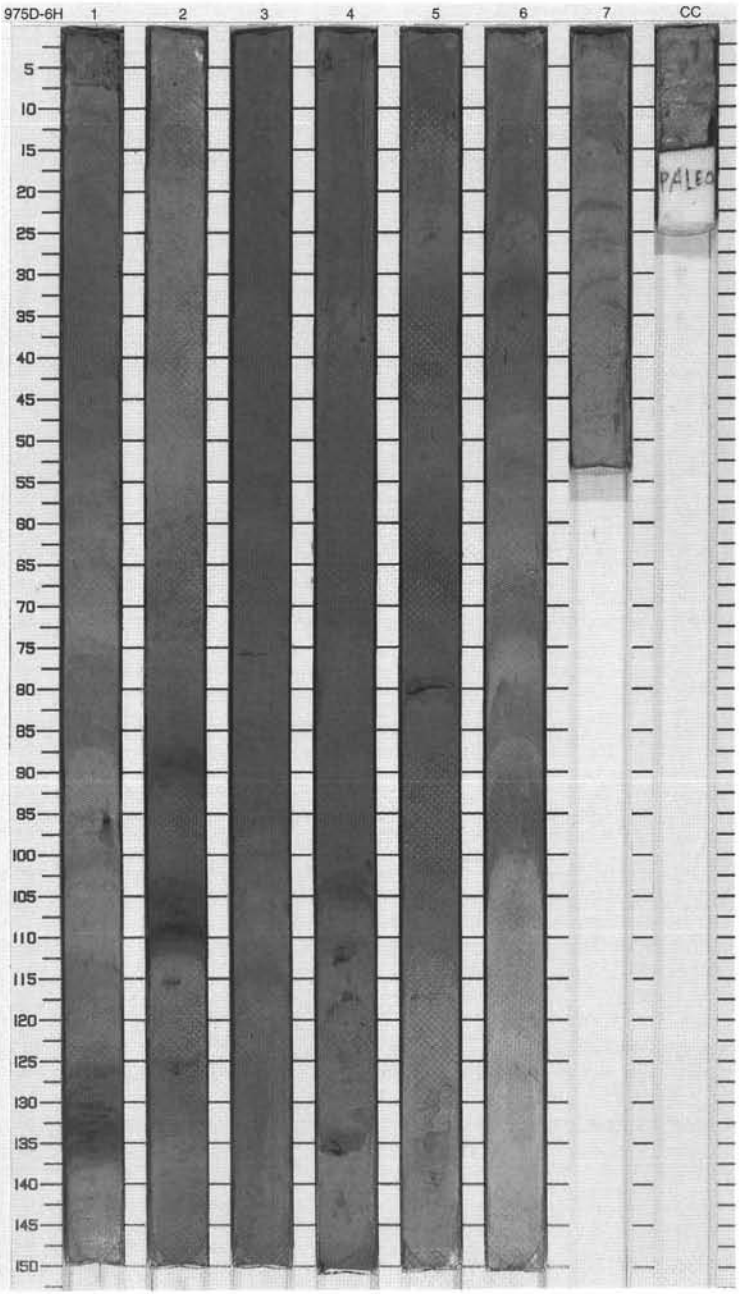
SITE 975 HOLE D CORE 5H CORED 35.9 - 45.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene			M	5Y 5/2 To 5Y 6/1; 5Y 5/2; 5Y 5/2 To 5Y 4/1	NANNOFOSSIL CLAY AND CALCAREOUS SILTY CLAY Major Lithology: The major lithologies are NANNOFOSSIL CLAY and CALCAREOUS SILTY CLAY, mainly light olive gray (5Y 5/2 and 5Y 6/1) and olive gray (5Y 4/1), with nannofossil clay generally being lighter in color. Color bands are mainly produced by alternation of the above colors, but pale olive (10Y 6/2) bands occur rarely. General Description: Organic-rich layers occur in Section 1, 115–123 cm (composite type), Section 3, 136–143 (homogeneous) and Section 6, 47–49 cm and 54–58 cm (the latter two intervals comprise a composite type). Shell fragments are common in the lower part of the core, whereas color mottling, probabaly a result of bioturbation, is more common in the upper part. Foraminifer tests are visible throughout.



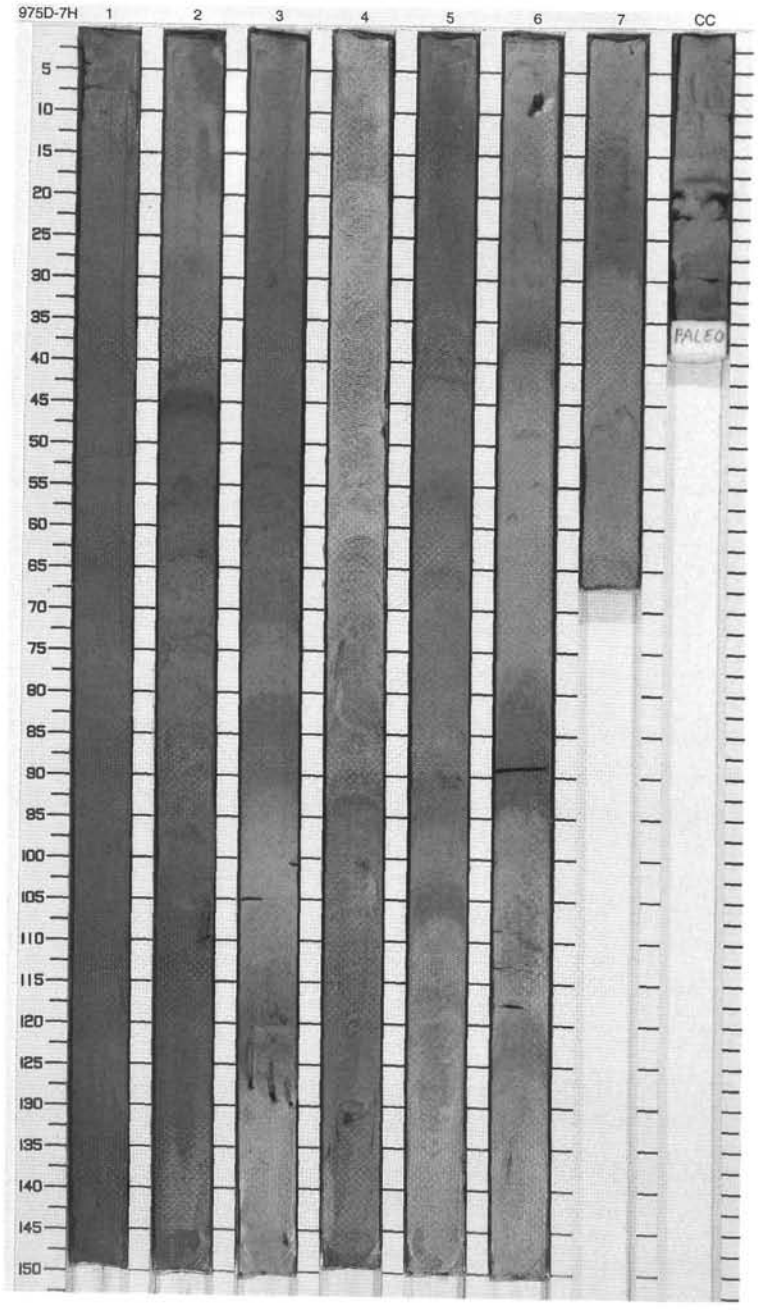
SITE 975 HOLE D CORE 6H CORED 45.4 - 54.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pleistocene			M	5Y 5/2 To 10Y 6/2; 10Y 6/2 To 5Y 4/1; 10Y 4/2; 5Y 5/2 To 5Y 4/1; 5Y 5/2	NANNOFOSSIL CLAY, NANNOFOSSIL OOZE, CALCAREOUS SILTY CLAY Major Lithology: The main lithologies are NANNOFOSSIL CLAY, NANNOFOSSIL OOZE, and CALCAREOUS SILTY CLAY. The nannofossil clay and calcareous silty clay are mainly light olive gray (5Y 5/2) to olive gray (5Y 4/1) whereas the nannofossil ooze is mainly light olive gray (5Y 6/1) to pale olive (10Y 6/2). General Description: Organic-rich layers are present in Section 1, 125.5–138 cm (olive black, 5Y 2/1), Section 2, 86–92 cm (olive black, 5Y 5/2) and 103–112.5 cm (olive black, 5Y 5/2), and Section 4, 102–106 cm (olive black, 5Y 5/2). The sediments are variously color banded and/or burrowed and contain shell fragments discontinuously throughout.



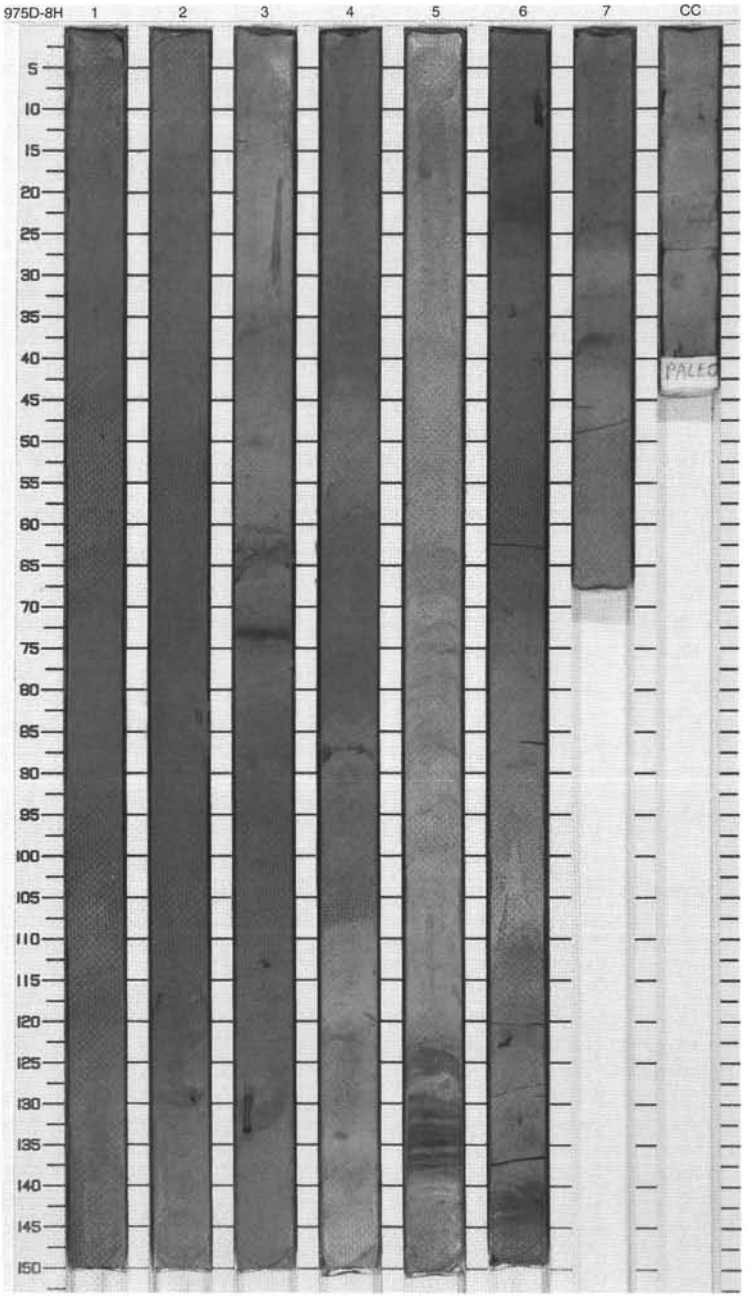
SITE 975 HOLE D CORE 7H CORED 54.9 - 64.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	Pleistocene				5Y 5/2 To 10Y 4/2	NANNOFOSSIL CLAY Major Lithology: The major lithology in this core is NANNOFOSSIL CLAY, light olive gray (5Y 5/2 and 5Y 6/1) to olive gray (5Y 4/1) in color. Minor Lithology: The minor lithology in this core is calcareous silty clay, mainly light olive gray (5Y 5/2) to (less often) grayish olive (10Y 4/2). General Description: An organic-rich layer occurs in Section 2, 43.5–47 cm. Visible foraminifers and shell fragments occur rarely. Color bands occur primarily from Section 3 on, and are light olive brown (5Y 5/6) to moderate olive brown (5Y 4/4) in color.
		2						
		3						
		4					5Y 5/2	
		5						
		6					5Y 5/2 To 5Y 6/1	
		7					5Y 5/2	
		CC				M		



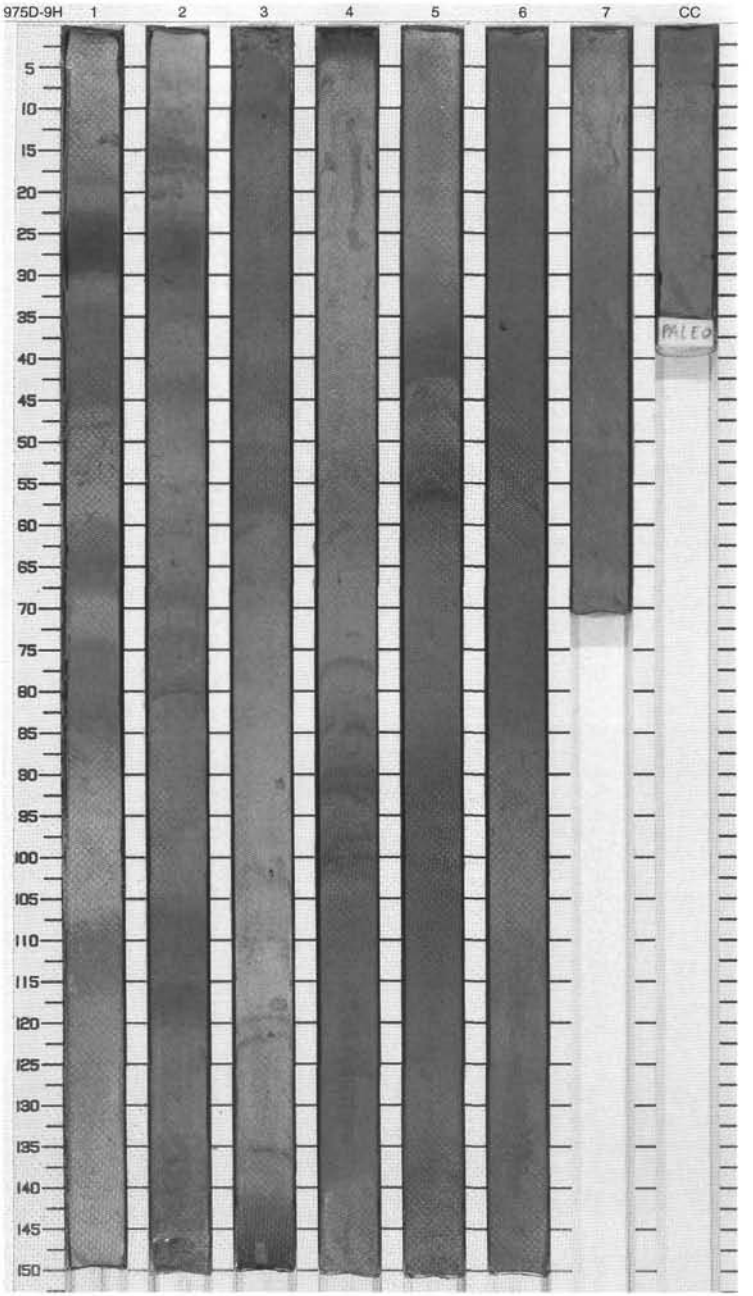
SITE 975 HOLE D CORE 8H CORED 64.4 - 73.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, CC	Pleistocene			M	5Y 5/2; 5Y 5/2 To 5Y 4/4; 5Y 5/2 To 5Y 4/1; 5Y 5/2; 5Y 5/2 To 5Y 4/4; 5Y 5/2; 5Y 5/2 To 5Y 4/1	NANNOFOSSSIL CLAY TO CALCAREOUS CLAY Major Lithology: The main lithologies are NANNOFOSSIL CLAY and CALCAREOUS CLAY, light olive gray (5Y 5/2 and 5Y 6/1) to olive gray (5Y 4/1), and light olive gray (5Y 4/1), respectively. The calcareous clay is distinguished on the basis of a higher foraminifer content. Minor Lithology: The minor lithology is calcareous silty clay, olive gray (5Y 4/1) in color. General Description: Organic-rich layers occur in Section 3, 72.5–74 cm (questionable layer), Section 5, 130.5–139 cm (composite type), and Section 6, 140–145 cm (homogeneous type). In the major sediment types, both color banding and burrowing are present. Color bands are moderate olive brown (5Y 4/4) and pale olive (10y 6/2) in color.



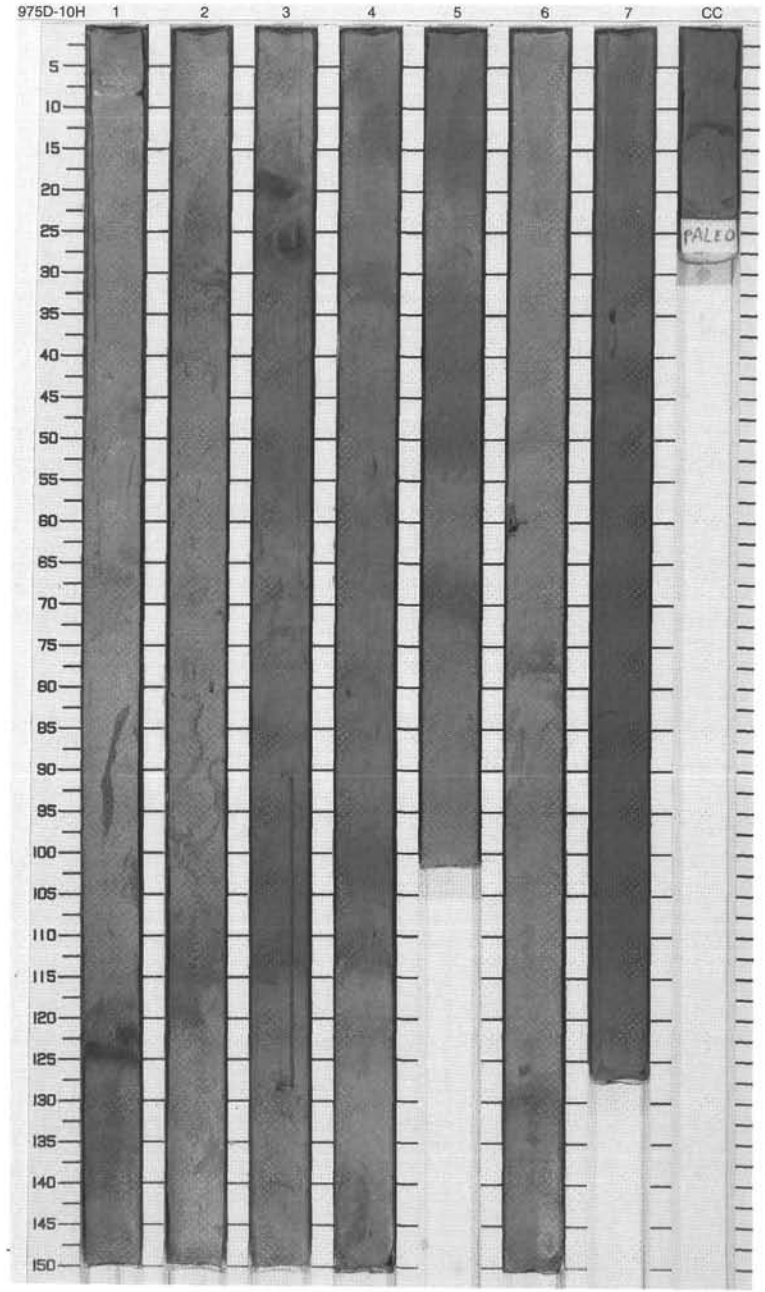
SITE 975 HOLE D CORE 9H CORED 73.9 - 83.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	Pleistocene				5Y 5/2 To 10Y 6/2	NANNOFOSSIL CLAY Major Lithology: The main lithology is NANNOFOSSIL CLAY, light olive gray (5Y 5/2) in color but with bands of light olive brown (5Y 5/6), moderate olive brown (5Y 4/4), and olive gray (5Y 4/1). Section 1 and Section 2 comprise regular alternating bands of darker light olive gray (5Y 5/2) and lighter olive (10Y 6/2). The darker layers are visibly burrowed throughout. Some lighter layers are burrowed whereas others are not. General Description: Organic-rich layers occur in Section 1, 22.5–29.5 cm (olive black, 5Y 2/1), Section 2, 24.5–29 cm (olive gray, 5Y 3/2), Section 3, 143–150 cm to Section 4, 0–4 cm (brownish black, 5YR 2/1), Section 4, 100.5–101 (very weak, olive gray , 5Y 4/1), and Section 5 (grayish olive, 10Y 4/2). In the main lithology, shell fragments and sand to silt-sized foraminifers are present in variable amounts. The sediment is alternately banded to burrowed but these are not mutually exclusive.
		2						
		3					5Y 5/2 To 10Y 6/2	
		4						
		5					5Y 5/2 To 5Y 4/2	
		6					5Y 5/2 To 5Y 4/1	
		7						
		CC				M		



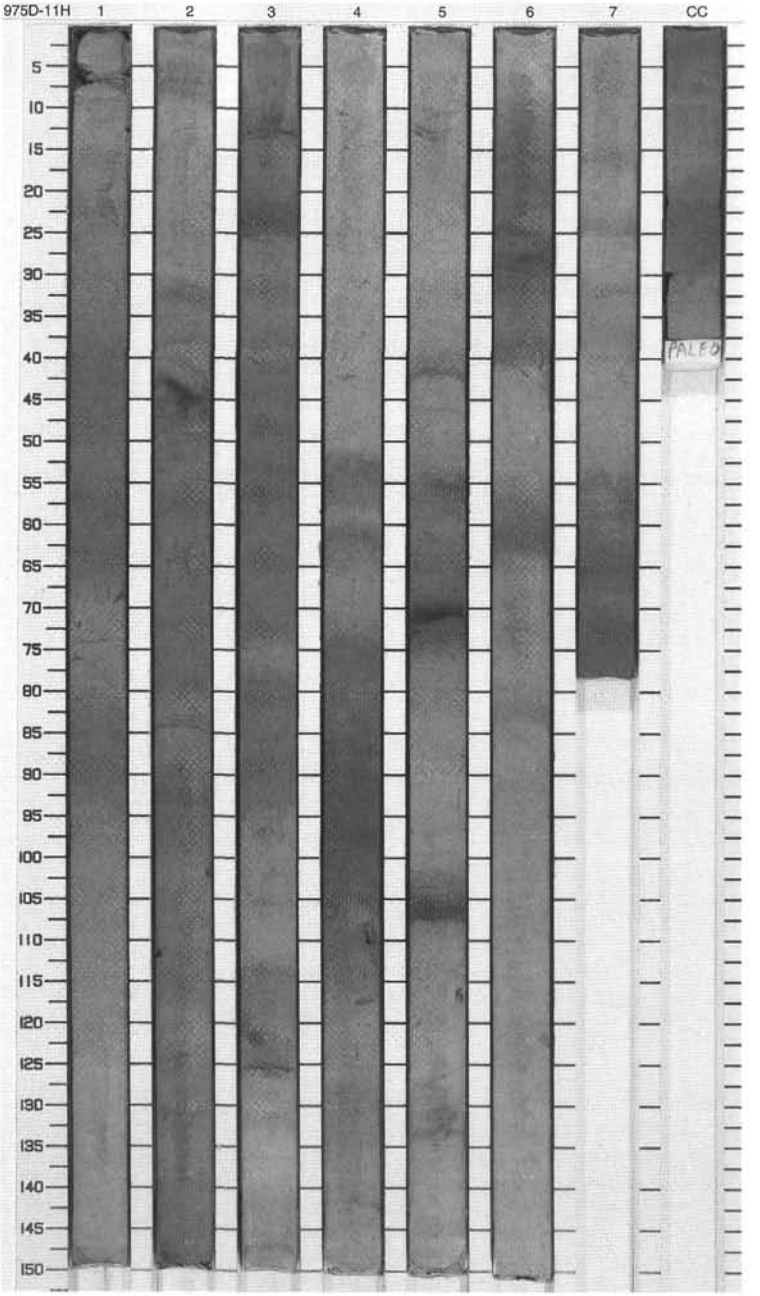
SITE 975 HOLE D CORE 10H CORED 83.4 - 92.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, CC	Pleistocene			M	5Y 5/2; 5Y 6/1 To 5Y 5/2; 5Y 5/2; 5Y 4/1	NANNOFOSSIL CLAY AND CALCAREOUS CLAY Major Lithology: The predominant sediment types are NANNOFOSSIL CLAY AND CALCAREOUS CLAY, light olive gray (5Y 5/2, 5Y 6/1) to olive gray (5Y 4/1) in color, with a minor content of foraminifers throughout the core. General Description: Moderate olive brown (5Y 4/4) organic-rich layers are present in Section 1, 120.5–124.5 cm, and in Section 3, 17–20.5 and 23.5–28 cm (repetition by reverse faulting).



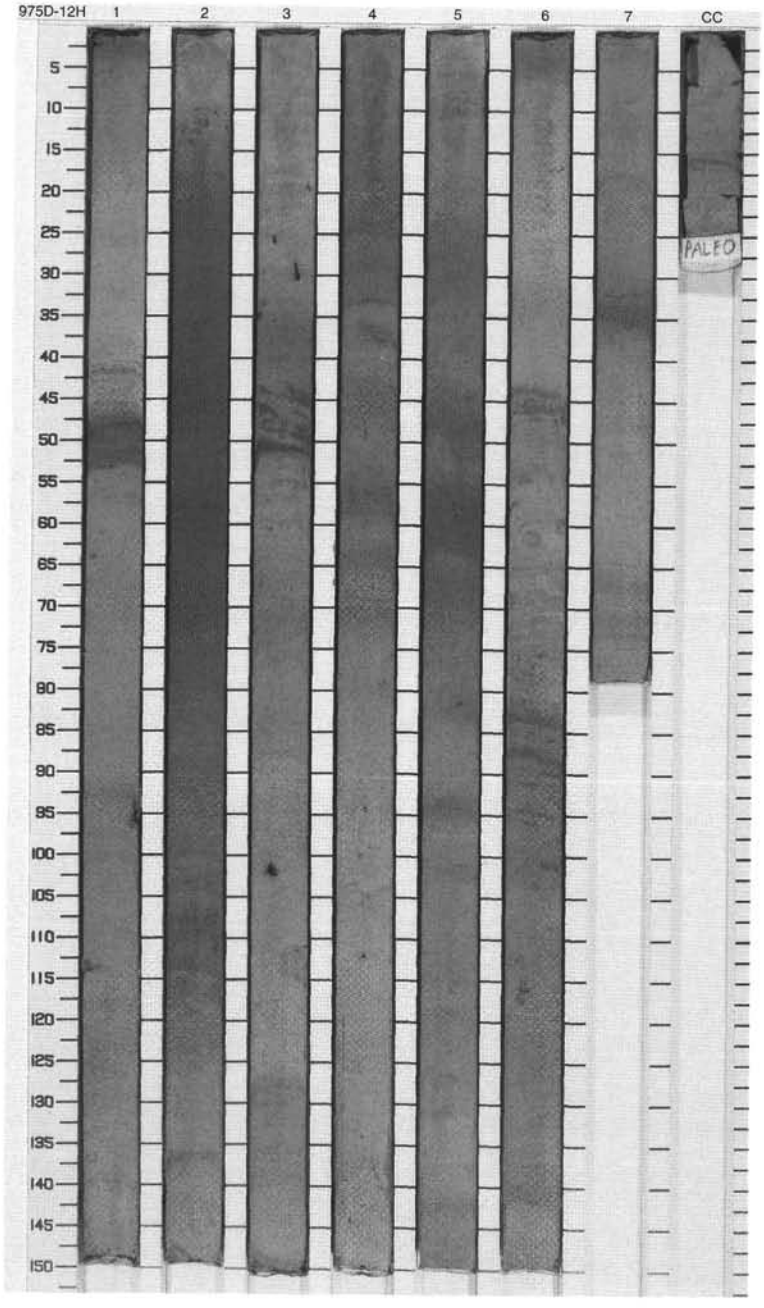
SITE 975 HOLE D CORE 11H CORED 92.9 - 102.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, CC	Pleistocene		!	M	5Y 5/2 To 5Y 6/1; 5Y 5/2 To 5Y 4/1; 5Y 5/2; 5Y 5/2 To 5Y 4/1	NANNOFOSSIL CLAY Major Lithology: The major lithology is light olive gray (5Y 5/2, 5Y 6/1) to olive gray (5Y 4/1) NANNOFOSSIL CLAY. Intervals of moderate olive brown (5Y 4/4) occur thoughout the core. General Description: Organic-rich layers are present in Section 2, 42.5–46 cm, in Section 5, 69–71.5 cm, and in Section 6, 27–29 cm. Laminae rich in foraminifers are present in Section 2, 83.5–85 cm, Section 3, 12.5–14 cm, Section 4, 57.5–58 cm, and Section 6, 24.5–25 cm.



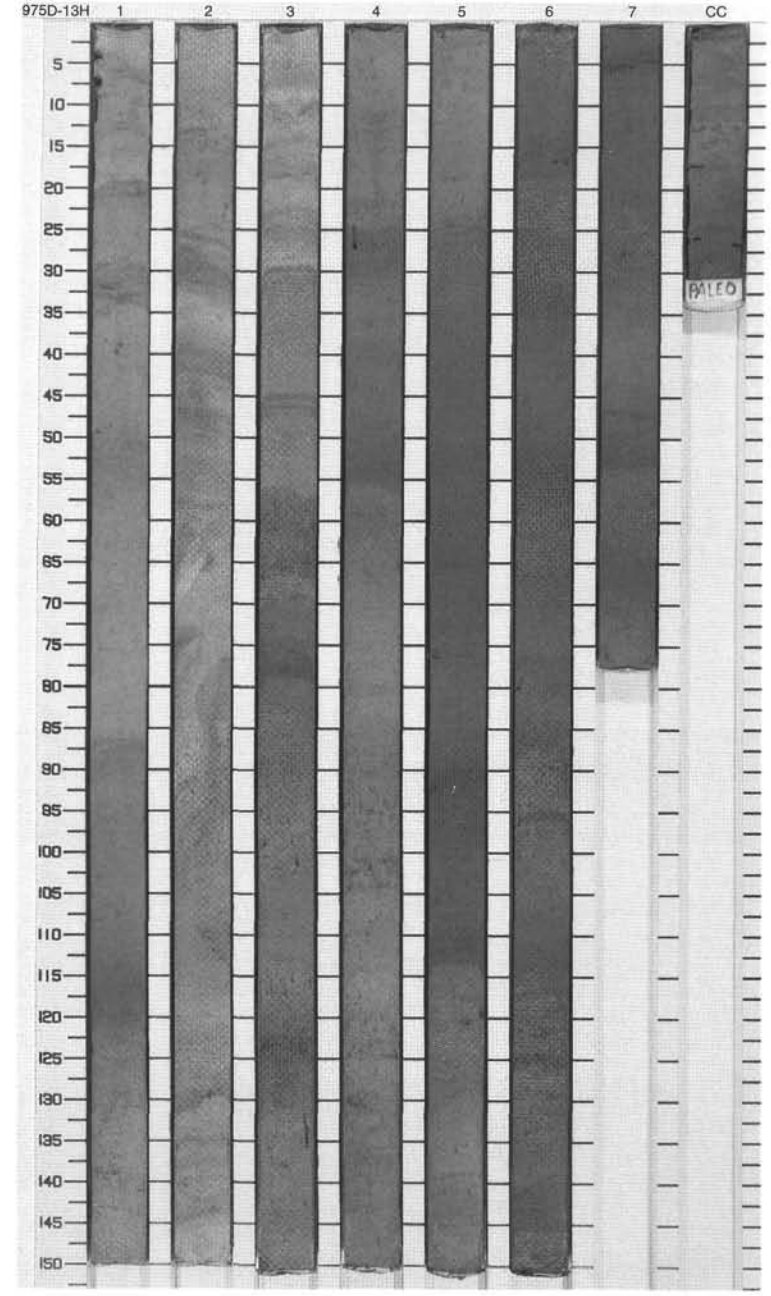
SITE 975 HOLE D CORE 12H CORED 102.4 - 111.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	late Pliocene–Pleistocene				5Y 6/1 To 5Y 5/2	NANNOFOSSIL CLAY AND NANNOFOSSIL SILTY CLAY Major Lithology: The predominant lithologies are light olive gray (5Y 5/2, 5Y 6/1) to olive gray (5Y 4/1) NANNOFOSSIL CLAY AND NANNOFOSSIL SILTY CLAY, with a moderate content of foraminifers throughout the core.
		2						
		3					5Y 4/1 To 5Y 5/2	
		4					5Y 4/1	
							5Y 6/1	
		5					5Y 5/2 To 5Y 4/1	
		6						
		7						
		CC				M		



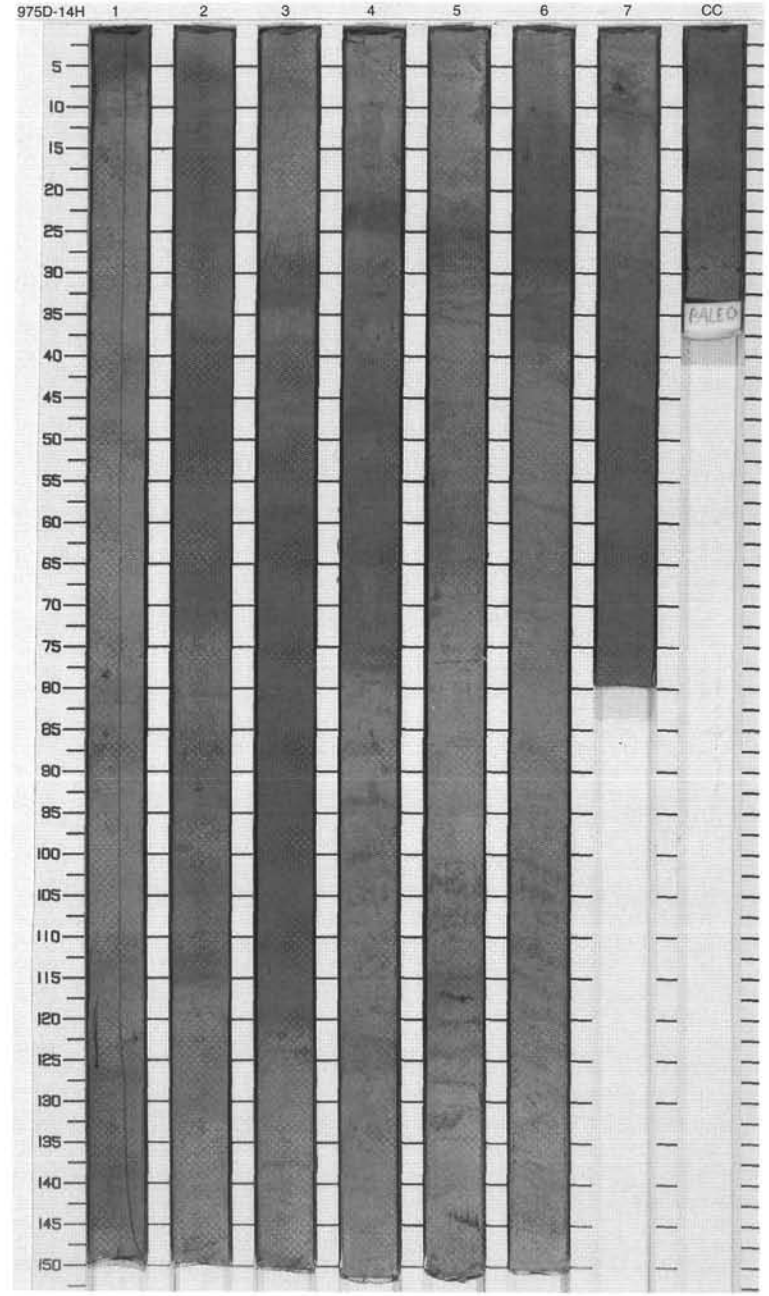
SITE 975 HOLE D CORE 13H CORED 111.9 - 121.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	late Pliocene–Pleistocene				5Y 5/2	NANNOFOSSIL CLAY AND NANNOFOSSIL SILTY CLAY Major Lithology: The major lithologies are light olive gray (5Y 5/2, 5Y 6/1) to olive gray (5Y 4/1) and moderate olive brown (5Y 4/4) NANNOFOSSIL CLAY AND NANNOFOSSIL SILTY CLAY with a variable content of foraminifers. Minor Lithology: Brownish gray (5YR 4/1) to moderate olive brown (5Y 4/4) and medium bluish gray (5B 5/1) foraminifer-nannofossil ooze and calcareous clay occur in a slump fold structure within Sections 2 and 3. General Description: A brownish black (5YR 2/1) organic-rich layer is present in Section 7, 3–5 cm.
		2					5YR 4/1 To 5Y 4/4	
		3					5Y 6/1 To 5B 5/1	
		4					5Y 5/2 To 5Y 4/1	
		5					5Y 4/1 To 5Y 4/4	
		6					5Y 4/1 To 5Y 5/2	
		7						
		CC				M		



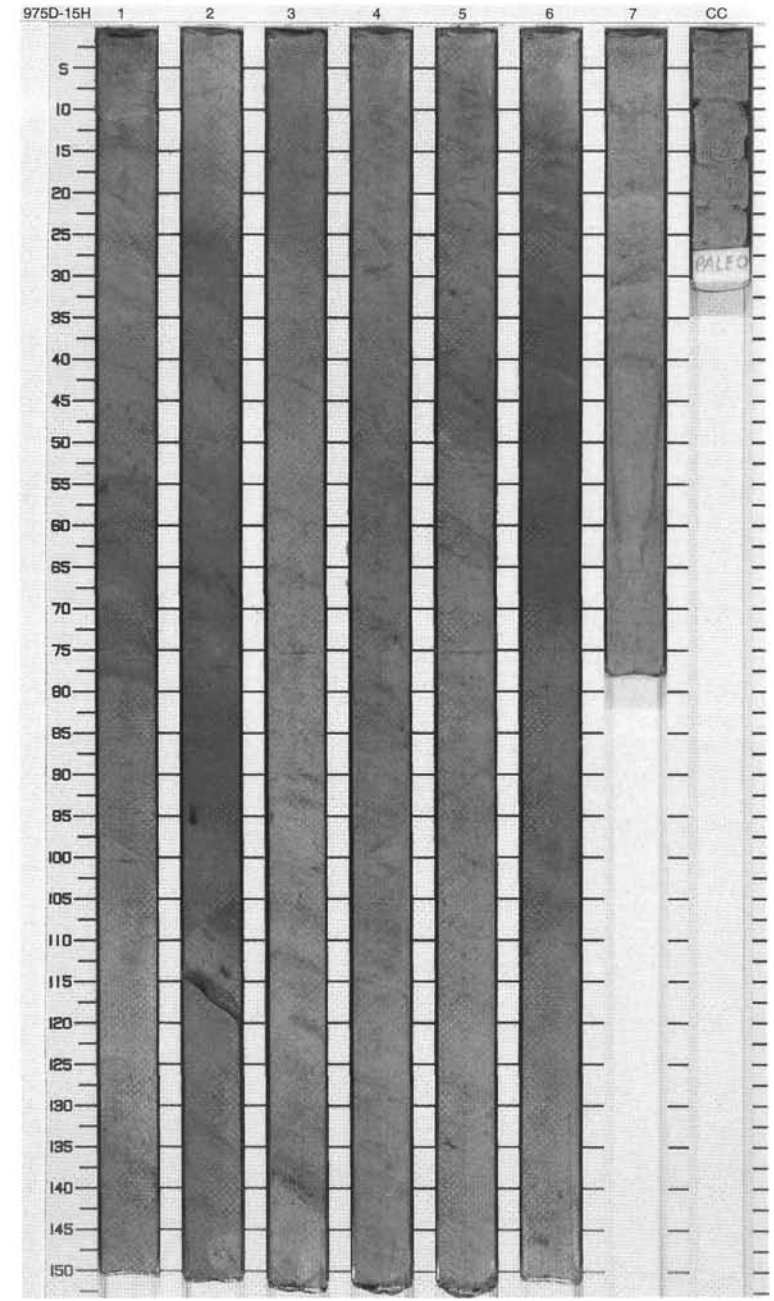
SITE 975 HOLE D CORE 14H CORED 121.4 - 130.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	late Pliocene				10Y 6/2	NANNOFOSSIL CLAY Major Lithology: The predominant lithology is light olive gray (5Y 5/2, 5Y 6/1) to olive gray (5Y 4/1) NANNOFOSSIL CLAY. Minor Lithologies: A few intervals and thin intercalations of pale olive (10Y 6/2) and moderate olive brown (5Y 4/4) nannofossil clay with scattered sand-sized foraminifers are present. General Description: Olive gray (5Y 4/1, 5Y 3/2) organic-rich layers occur in Section 1, 3–5 cm; and in Section 2, 112–115 cm.
		2					5Y 4/1 To 5YR 4/1	
		3					5Y 6/1	
							5Y 6/1 To 5Y 4/1	
		4					5Y 5/2 To 5Y 4/1	
		5						
		6					5Y 5/2	
		7					5Y 5/2 To 5Y 4/1	
		CC				M		



SITE 975 HOLE D CORE 15H CORED 130.9 - 140.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	late Pliocene				5Y 5/2	NANNOFOSSIL CLAY Major Lithology: The main lithology is a light olive gray (5Y 5/2) banded NANNOFOSSIL CLAY with abundant visible foraminifers.
							10Y 6/2	
		2						Minor Lithologies: Thinly-bedded units of foraminifer sand are present. These beds comprise foraminifer tests in a silt-clay matrix and are olive gray (5Y 4/1) in color.
		3						General Description: Color bands are present in the main lithology in olive brown (5Y 4/4), grayish olive (10Y 4/2), and olive gray (5Y 4/1). Banding is inclined between Section 2, 5 cm and Section 6, 68 cm. Within this interval, normal faulting of color bands is common. Dips up to 40 degrees are recognized.
		4					5Y 5/2	
		5						
		6						
		7			VV		5Y 6/1	
		CC				M	5Y 5/2	



SITE 975 HOLE D CORE 16H CORED 140.4 - 149.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	late Pliocene				5Y 5/2	NANNOFOSSIL CLAY Major Lithology: The major lithology is NANNOFOSSIL CLAY, light olive gray (5Y 5/2) in color. Locally the color may range to grayish olive (10Y 4/2). General Description: Color bands, moderate olive brown (5Y 4/4) in color, are found throughout the core. Burrows can be recognized throughout the core, some of which are cemented or mineralized.
		2						
		3					10Y 4/2	
		4						
		5					5Y 5/2	
		6						
		7						
		CC				M