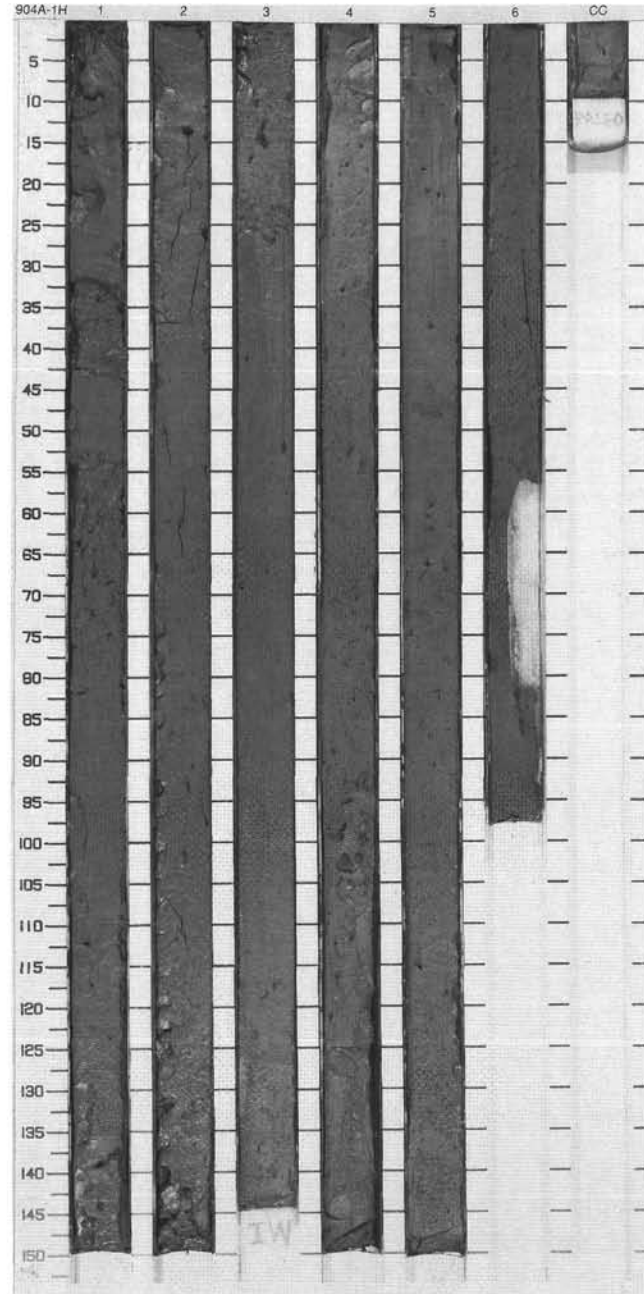


SITE 904 HOLE A CORE 1H

CORED 0.0 - 9.0 mbsf

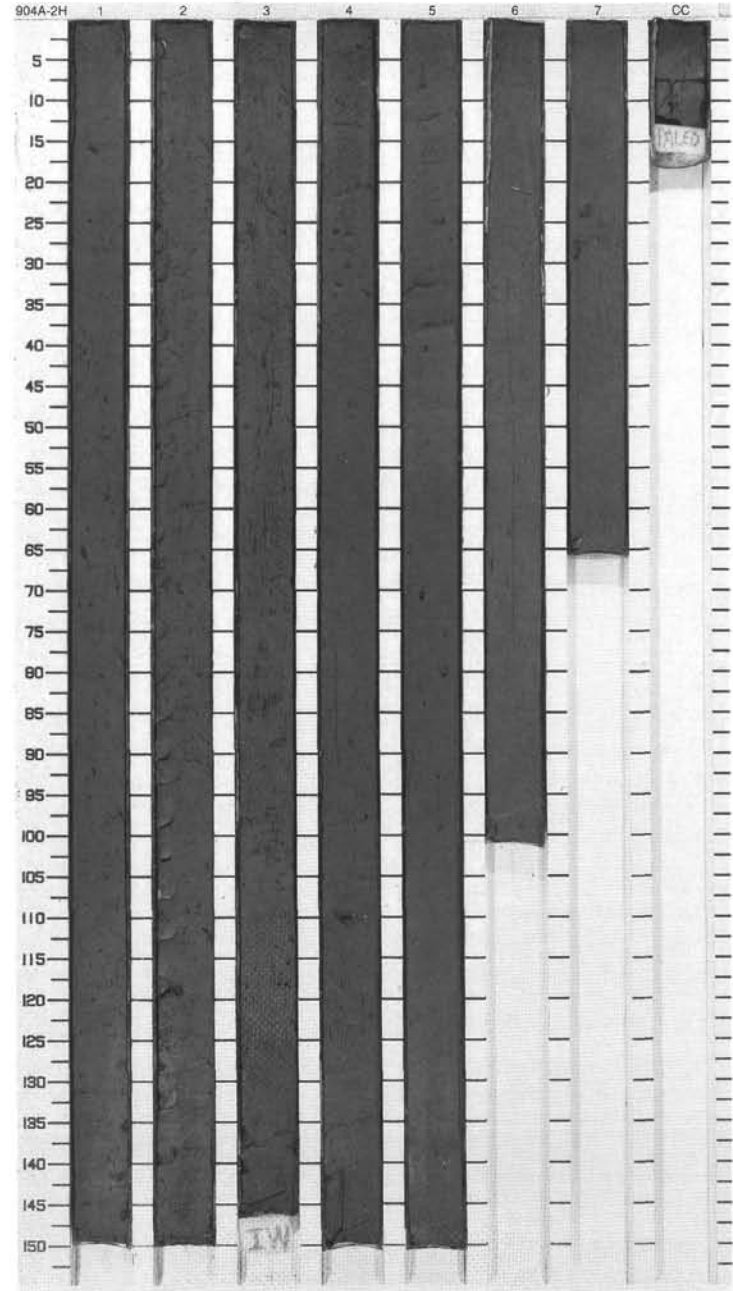
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Holocene	[Wavy arrow symbol]	[Vertical dashed line]	S	5Y 4/1	<p>SILTY CLAY</p> <p>Major Lithology: The whole core consists of slightly to moderately bioturbated, mottled SILTY CLAY with occasional mm-scale shell fragments and rare cm-scale shell. The main striking feature is the occurrence of a sharp contact in Section 3, 126 cm between slightly bioturbated, greenish gray SILTY CLAY above and pinkish gray, moderately to heavily bioturbated SILTY CLAY below. Burrows are filled with iron sulfide-rich very fine sand and silt. Plant debris, foraminifers, and nannofossils occur at the top of Section 1.</p> <p>NOTE: Core liner is deformed in Section 7, 55-85 cm.</p>
2	[Hatched pattern]	2				S		
3	[Hatched pattern]	3				P		
4	[Hatched pattern]	4				S		
5	[Hatched pattern]	4	late Pleistocene	[Wavy arrow symbol]	[Vertical dashed line]	S	5R 4/1	
6	[Hatched pattern]	5				D P		
7	[Hatched pattern]	6				S		
8	[Hatched pattern]	6				S		
						M		



SITE 904 HOLE A CORE 2H

CORED 9.0 - 18.5 mbsf

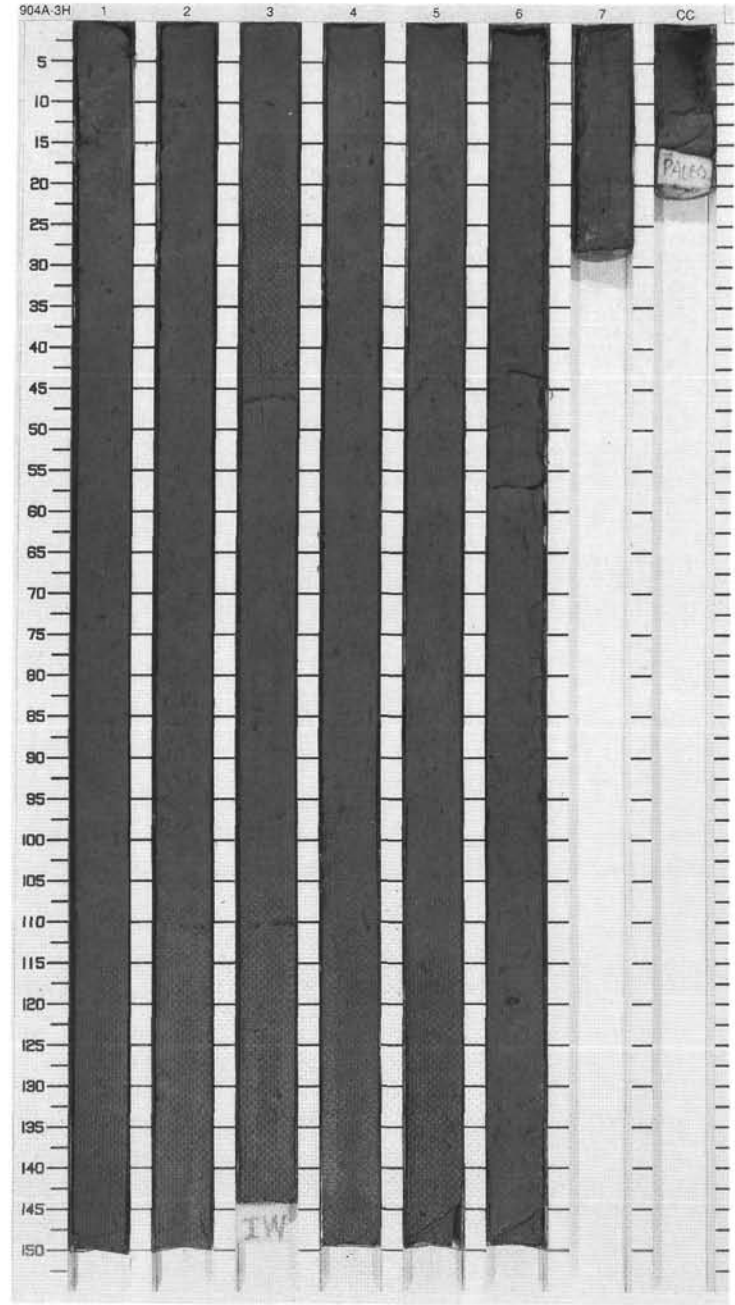
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1		1	middle Pleistocene-late Pleistocene	~		S	5R 4/1	SILTY CLAY Major Lithology: The whole core consists of gray and pinkish gray, slightly to heavily bioturbated SILTY CLAY. Burrows are filled with iron sulfide-rich very fine to fine sand. The color changes from gray to pinkish gray are generally sharp. Shell fragments occur from the base of Section 4 to the base of the core, together with rare gastropods (<1 cm). A thin sandy layer (5 mm of fine to medium sand) occurs in Section 6, 8 cm. A mm-scale pyrite concretion occurs in Section 7, 23 cm.	
2		2				S			
3		3				S			
4		4				S			
5		5				I S			
6		6				P D			N4
7		7				S			5R 4/1 To N4
8		8				S			
9		9				M			



SITE 904 HOLE A CORE 3H

CORED 18.5 - 28.0 mbsf

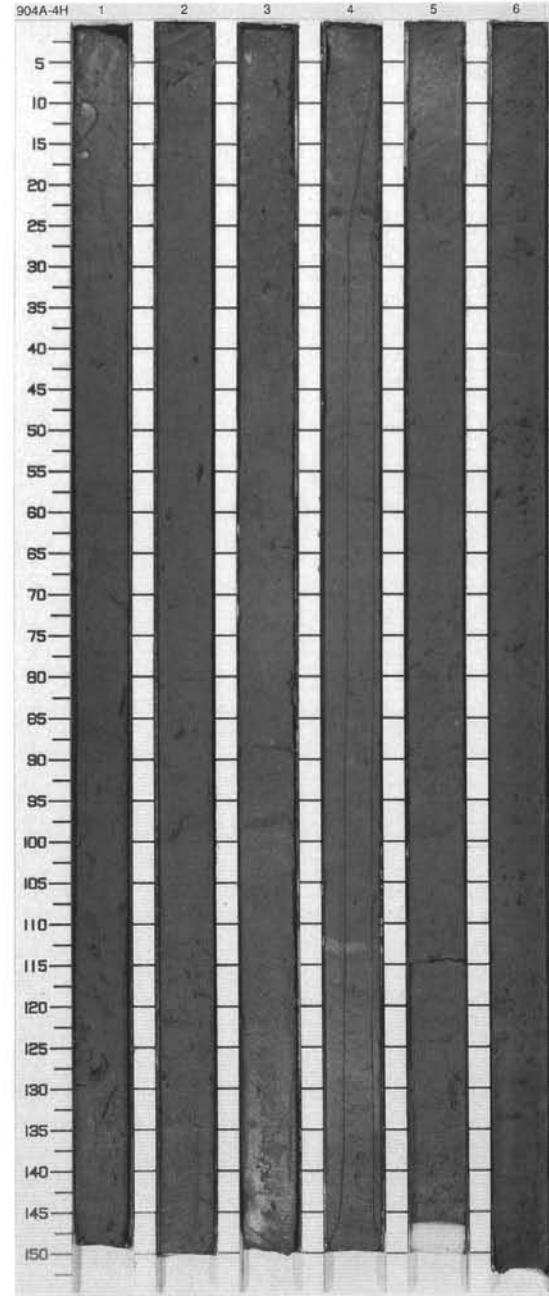
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	middle Pleistocene	[Wavy lines with symbols]	[Wavy lines]	S	5R 4/1	<p>SILTY CLAY</p> <p>Major Lithology: The whole core consists of gray and pinkish gray SILTY CLAY. Common burrows are filled with iron sulfide-rich fine sand and silt. Color changes from pinkish gray to gray SILTY CLAY are sharp in Sections 1 and 2, more gradational and subtle in other sections. Shell fragments are common in Sections 1 to 3. Two thin layers (5 mm) of micaceous, fine to medium sand occur in Section 3, 47 and 110 cm. Brownish red spots (5 mm in diameter) occur in Section 3, a brownish red burrow (1-2 cm in diameter) occurs in Section 4.</p>
2	[Hatched pattern]	2				S	5R 4/1 To N4	
3	[Hatched pattern]	3				S	N4 To N5	
4	[Hatched pattern]	4				S	N4 To 5R 4/1	
5	[Hatched pattern]	5				S	N3 To N4	
6	[Hatched pattern]	6				P		
7	[Hatched pattern]	7				M S		
CC	[Hatched pattern]	CC						



SITE 904 HOLE A CORE 4H

CORED 28.0 - 37.5 mbsf

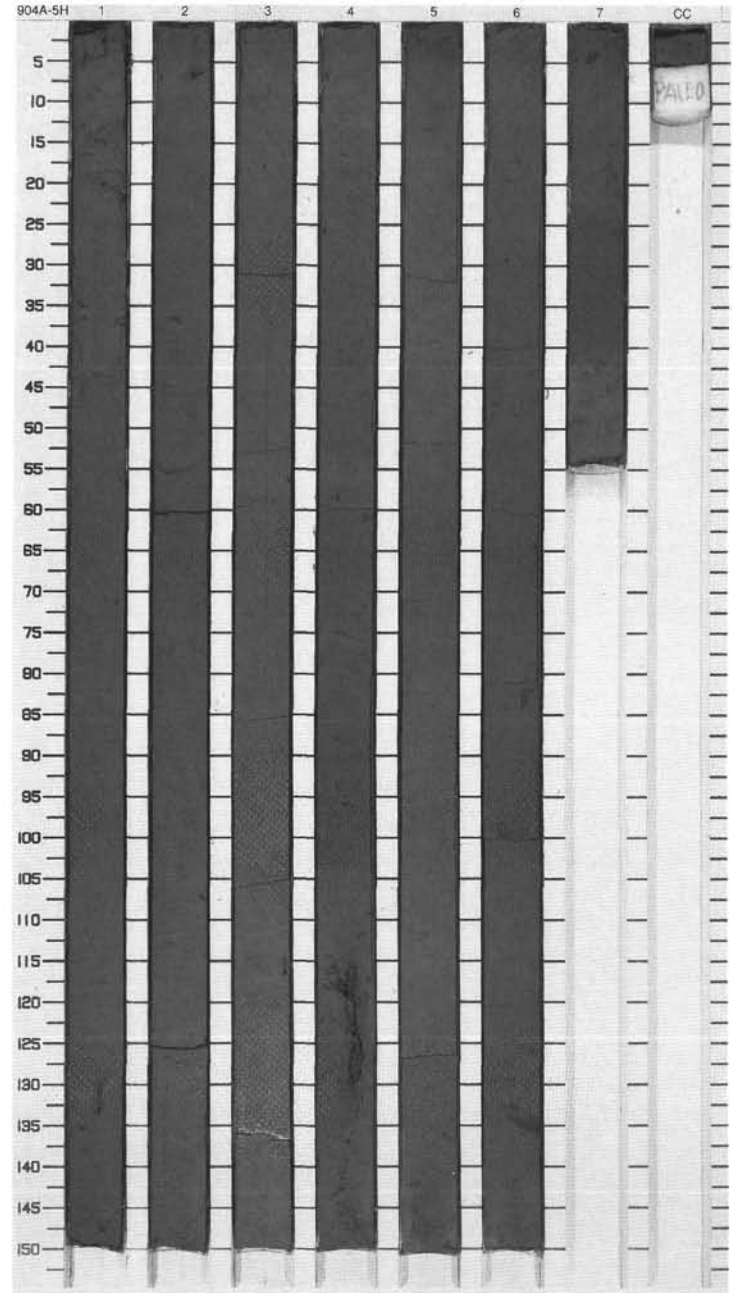
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1				S		SILTY CLAY Major Lithology: The whole core consists of homogeneous gray, slightly to moderately bioturbated, weakly micaceous SILTY CLAY. Iron sulfide-rich fine to medium sand fills burrows. Tiny shell fragments throughout. Thin layers (5 mm) of micaceous fine sand occur in Section 3, 88 and 98 cm and in Section 4, 23 cm.
2		2			P			
3		3			S			
4		3			P	D		
5		4			S			
6		4			S			
7		5			P			
8		6			S			
9		6			M			



SITE 904 HOLE A CORE 5H

CORED 37.5 - 47.0 mbsf

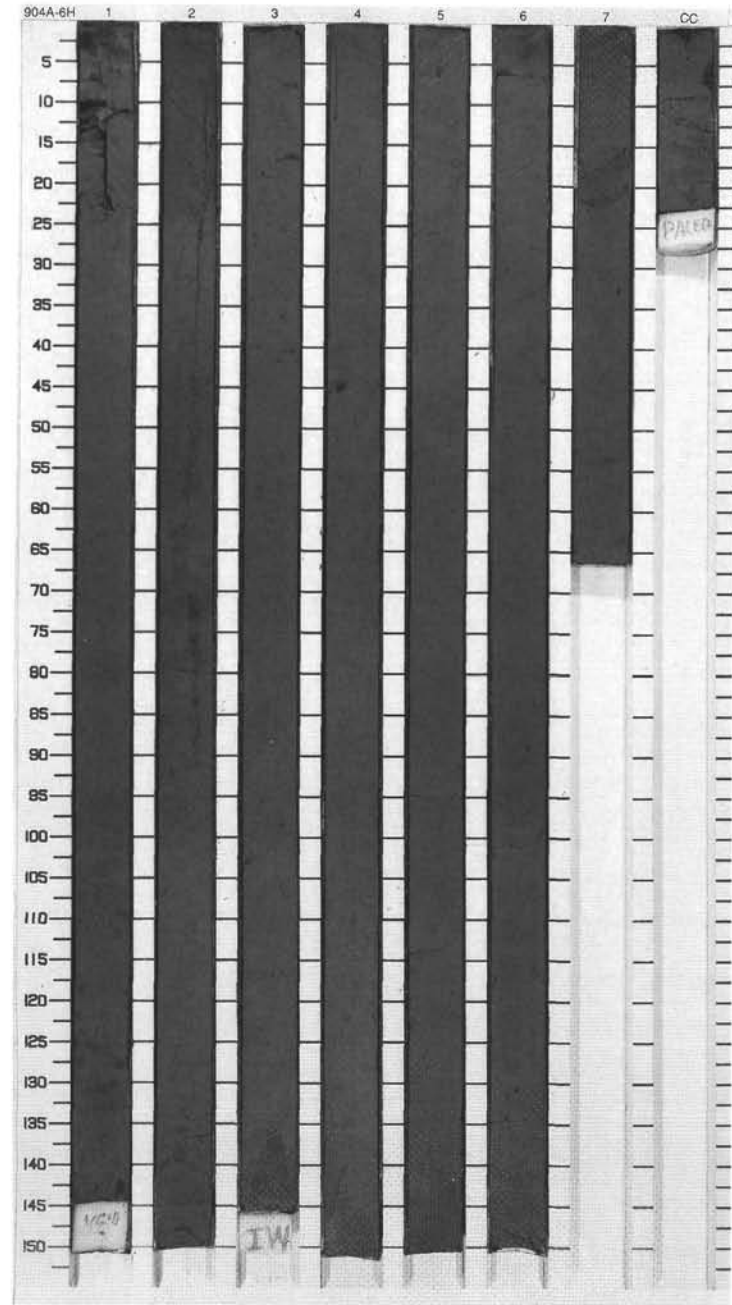
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	middle Pleistocene	⊗		S	N4	<p>SILTY CLAY and DIATOMACEOUS SILTY CLAY</p> <p>Major Lithologies: This core comprises two distinct parts. The first one, from Section 1 to Section 5 consists mainly of greenish gray, slightly bioturbated SILTY CLAY with occasional shell fragments. Very fine sand fills burrows. At the top of Section 4, a diatom-rich interval characterized by a more pronounced green color occurs up to 53 cm. The second part is composed of greenish gray, DIATOMACEOUS SILTY CLAY (about 20% of diatoms). Diatoms are particularly abundant in Section 7. Three large burrows (1-2 cm in diameter) filled with fine sand occur in Section 6. Sand is stained black.</p>
2	[Hatched pattern]	2				S		
3	[Hatched pattern]	3				S		
4	[Hatched pattern]	3				P D		
5	[Hatched pattern]	4				S	10Y 5/2	
6	[Hatched pattern]	5				S	5Y 5/1 To 5Y 4/1	
7	[Hatched pattern]	6				S	10Y 4/1	
	[Hatched pattern]	7	S	10Y 5/2				
		CC						



SITE 904 HOLE A CORE 6H

CORED 47.0 - 56.5 mbsf

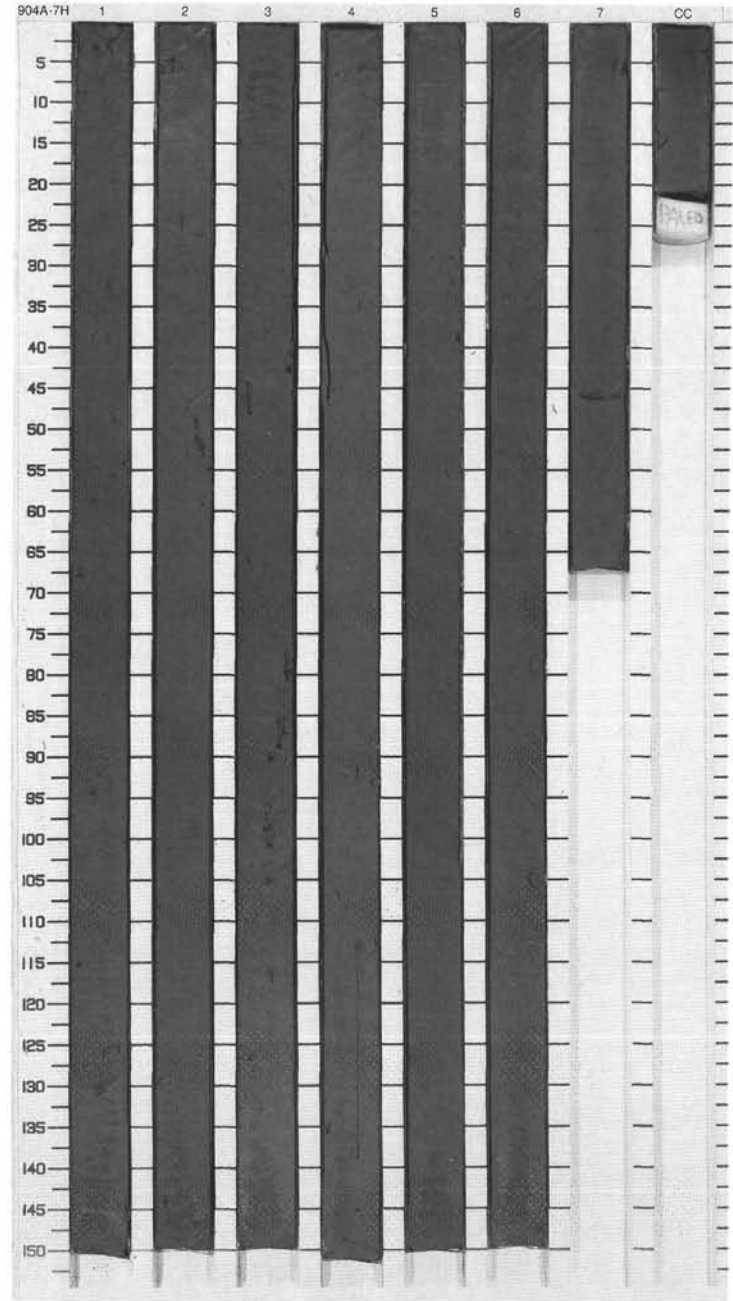
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	middle Pleistocene	}		S	10Y 4/1	SILTY CLAY Major Lithology: The whole core consists of greenish gray, slightly to rarely bioturbated SILTY CLAY. Burrows are filled with fine sand. Irregular pinkish zones occur in Section 3, 110-125 cm, in Section 4, 90-95 and 110-122 cm, in Section 5, 40-46 cm and in Section 6. Less than 10% of diatoms throughout the core.
2		2				S	10Y 4/2 To 10Y 4/1	
3		3				S		
4		4				S	10Y 4/1	
5		5				S D	10Y 4/1 To 10Y 5/1	
6		6				S	10Y 4/1	
7		7				S	10Y 5/1 To 10Y 4/1	
CC					M			



SITE 904 HOLE A CORE 7H

CORED 56.5 - 66.0 mbsf

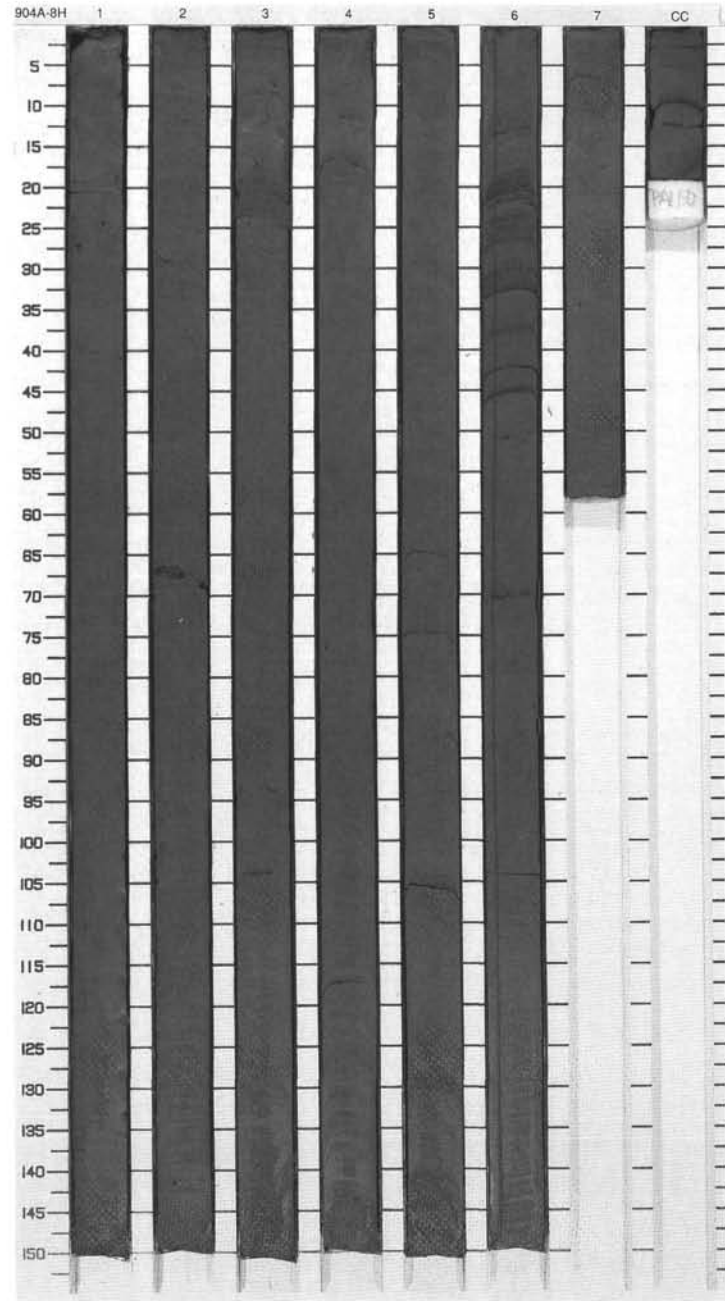
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	middle Pleistocene	S		S	10Y 4/1	SILTY CLAY Major Lithology: Greenish gray to dark gray (10Y 4/1 to 10Y 5/1), slightly bioturbated to homogeneous (possibly heavily bioturbated) SILTY CLAY, from Sections 1 to 5. Small burrows filled with fine-grained sand or pyrite occur. In Section 6 and below, the lithology changes to dark gray to very dark gray (N4 to N5) SILTY CLAY with thin (1 mm to 1 cm thick) color laminations. The color is graded into pinkish dark gray (5YR 4/1).
2		S						
3		P						
4		S						
5		D						
6		S						
7		S						
8		6		P		S	N5 To N4	
9		P						
CC		M						



SITE 904 HOLE A CORE 8H

CORED 66.0 - 75.5 mbsf

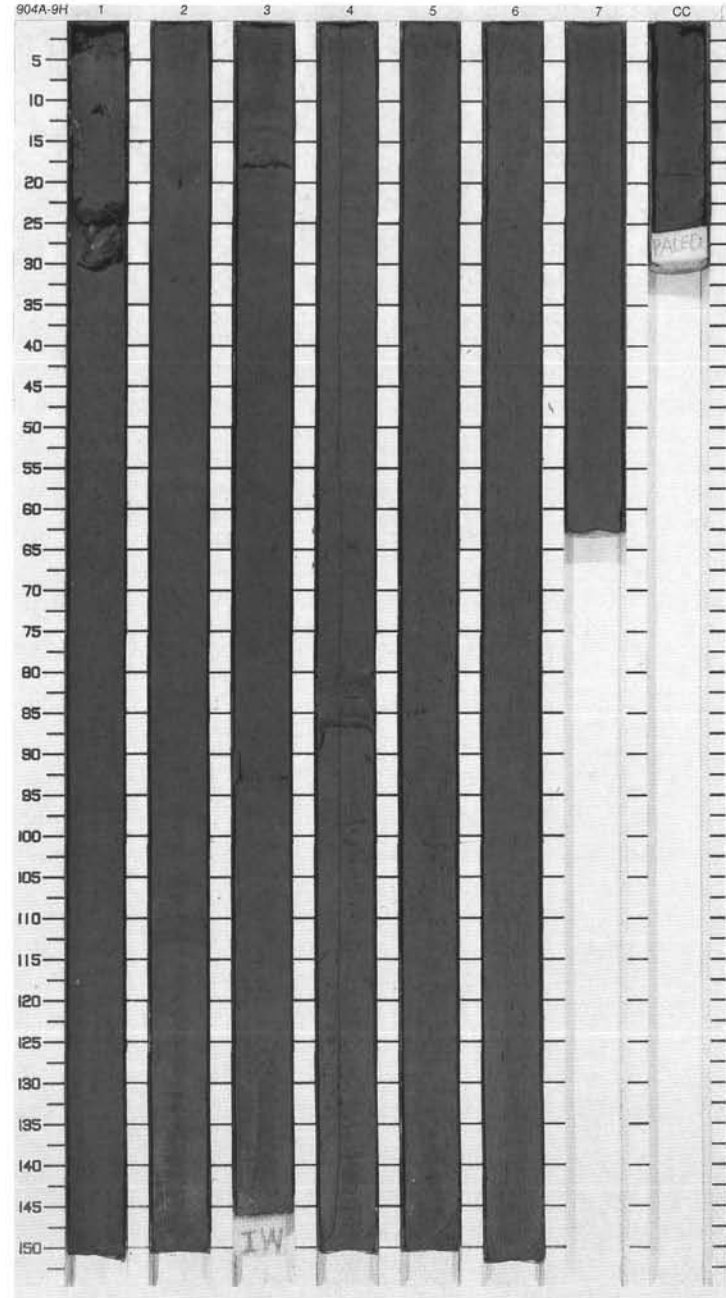
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	middle Pleistocene	[Symbol]	-	S	5YR 4/1 To 5YR 5/1	SILTY CLAY Major Lithology: Color-banded, gray (5YR 4/1) and gray brown (5YR 5/1) SILTY CLAY. Banding has diffuse margins. Common 1-2 cm graded silt laminae, with sharp bases. 1-cm thick very fine to fine quartz sand graded laminae occur throughout core and are more common in Sections 5, 6, and 7. Isolated 3-5 cm sand laminae occur in the middle of Section 2, near the base in Section 5 and at the top of Section 6. At 20 cm in Section 3, a 6 cm-thick, soupy fine quartz sandy graded bed with a very sharp base occurs. Bioturbation occurs rarely at the base of the sand laminae. In Sections 3 and 4, homogeneous SILTY CLAY with only minor color banding and rare burrow structures occurs.
2	[Hatched pattern]	2				S		
3	[Hatched pattern]	3				S		
4	[Hatched pattern]	3				P		
5	[Hatched pattern]	4				S		
6	[Hatched pattern]	4				D		
7	[Hatched pattern]	5				S		
8	[Hatched pattern]	6	S	5YR 4/1				
9	[Hatched pattern]	7	S	5YR 4/1 To 5YR 5/1				
CC						M		



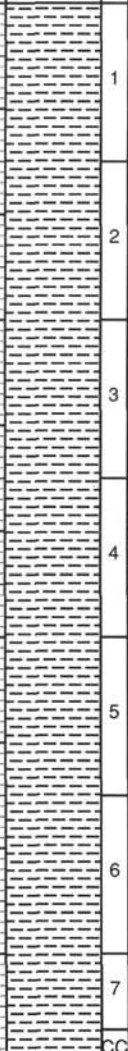
SITE 904 HOLE A CORE 9H

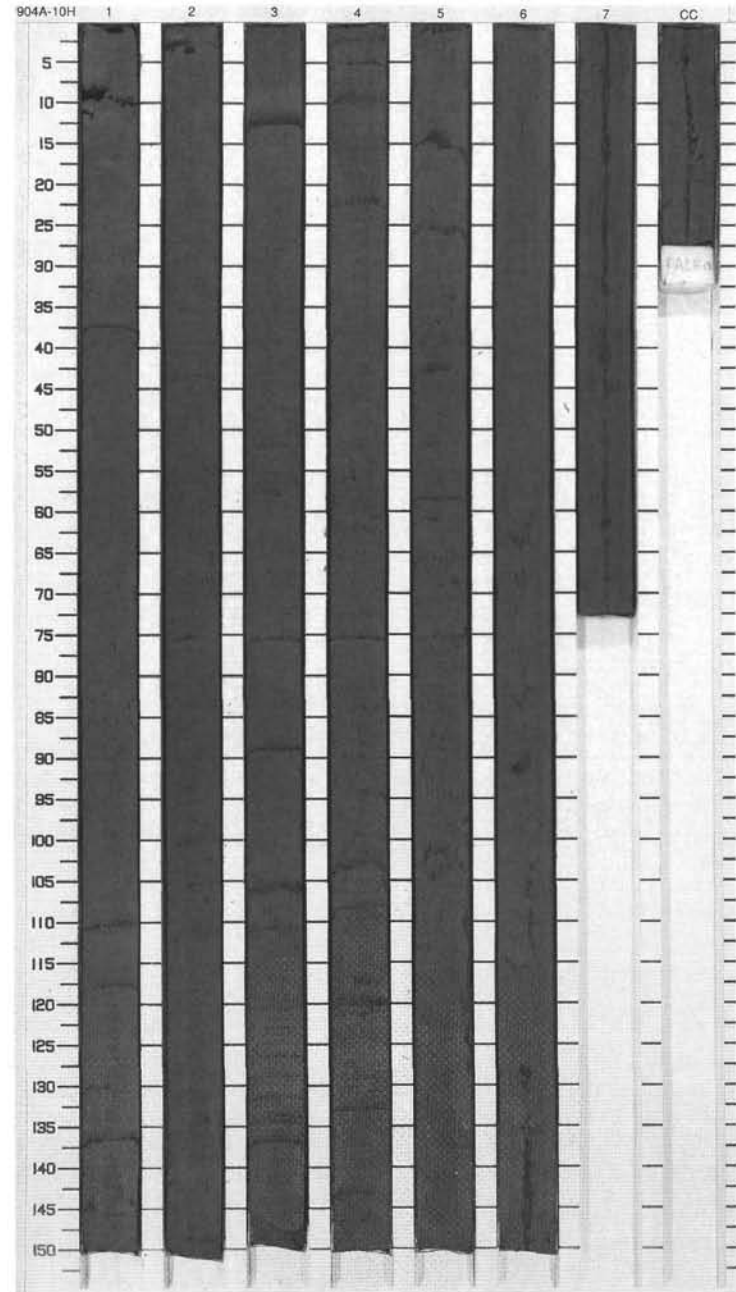
CORED 75.5 - 85.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy pattern]		S		<p>SILTY CLAY</p> <p>Major Lithology: From top of this core to 83 cm in Section 4, dark gray to dark reddish gray (5YR 4/1 to 5/2), slightly bioturbated SILTY CLAY. Dark gray to very dark reddish gray, thin (ranging from less than 1 to 5 cm thick), color bands occur throughout this interval. White, quartz-dominated, thin (5 mm thick), graded, silt to very fine sand layers are also intercalated. Very dark gray, graded, thin (3 cm thick), silt to very fine sand bed is intercalated at the base of this lithologic interval with sharp contact. Below the base of this sand bed (83 cm in Section 4) to base of this core, dark gray (10Y 4/1 to 2.5Y N4/0), moderately bioturbated SILTY CLAY. Small burrows (3 to 5 mm in diameter) filled with black material (pyrite?) occur commonly throughout this core.</p> <p>General Description: Note: Flow-in from 40 cm in Section 6 to base of this core.</p>
2	[Hatched pattern]	2		[Wavy pattern]		S		
3	[Hatched pattern]	3		[Wavy pattern]		P	5YR 4/1 To 5YR 5/2	
4	[Hatched pattern]	3		[Wavy pattern]	***	S		
5	[Hatched pattern]	3		[Wavy pattern]	***	D		
6	[Hatched pattern]	4	Middle Pleistocene	[Wavy pattern]		I		
7	[Hatched pattern]	4		[Wavy pattern]	***	S		
8	[Hatched pattern]	5		[Wavy pattern]	***	P		
9	[Hatched pattern]	5		[Wavy pattern]		S		
10	[Hatched pattern]	6		[Wavy pattern]		P	10Y 4/1 To 2.5Y N4/0	
11	[Hatched pattern]	6		[Wavy pattern]				
12	[Hatched pattern]	7		[Wavy pattern]				
13	[Hatched pattern]	7		[Wavy pattern]				
14	[Hatched pattern]	CC		[Wavy pattern]		M		



SITE 904 HOLE A CORE 10H CORED 85.0 - 94.5 mbsf

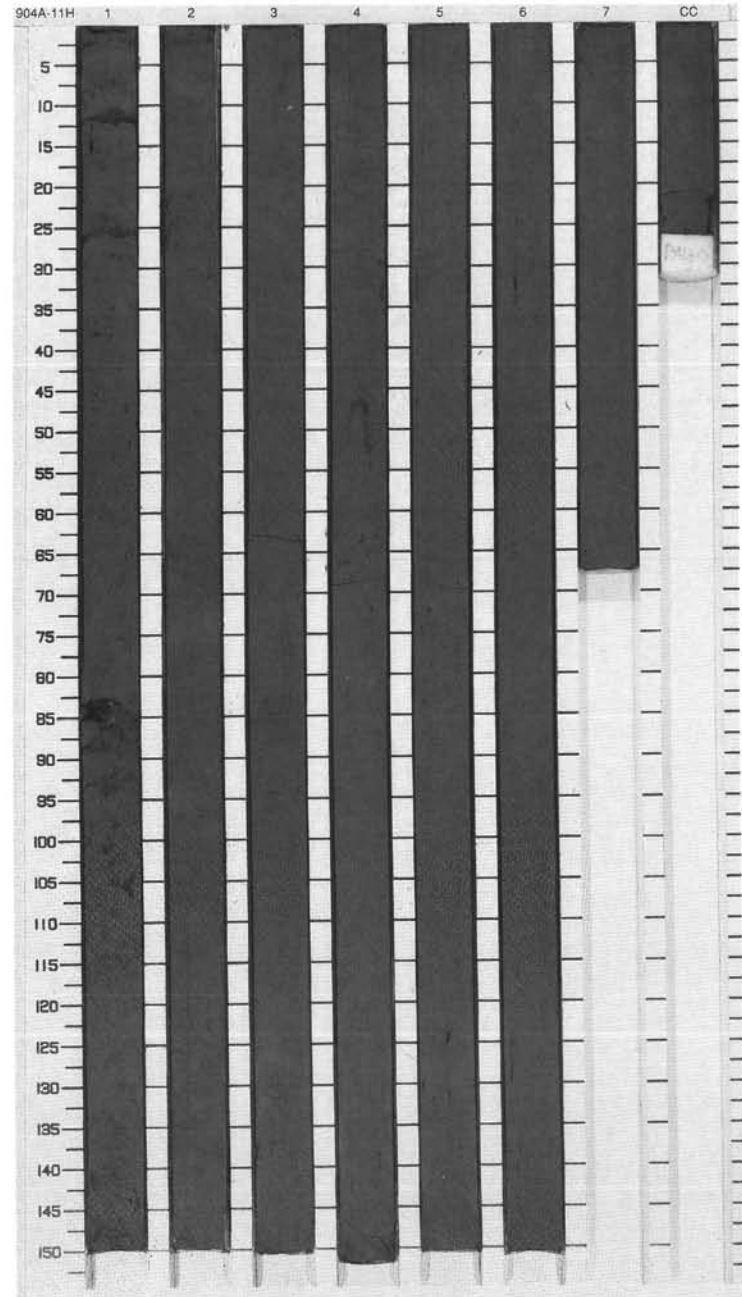
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		middle Pleistocene		↑ F		S	N4	SILTY CLAY Major Lithology: Weakly color-banded SILTY CLAY, with red-gray (2.5YR 4/2) laminae. Abundant thin, graded, very fine to fine quartz and mica sand laminae, typically <5 mm with sharp basal contacts. General Description: Note: "Flow-in" below 76 cm in Section 5.
2				↑ F		S		
3				↑ F		S		
4				↑ F		S		
5				↑ F		S		
6				↑ F		S		
7				↑ F		S		
8				↑ F		S		
9				↑ F		S		
10					CC			



SITE 904 HOLE A CORE 11H

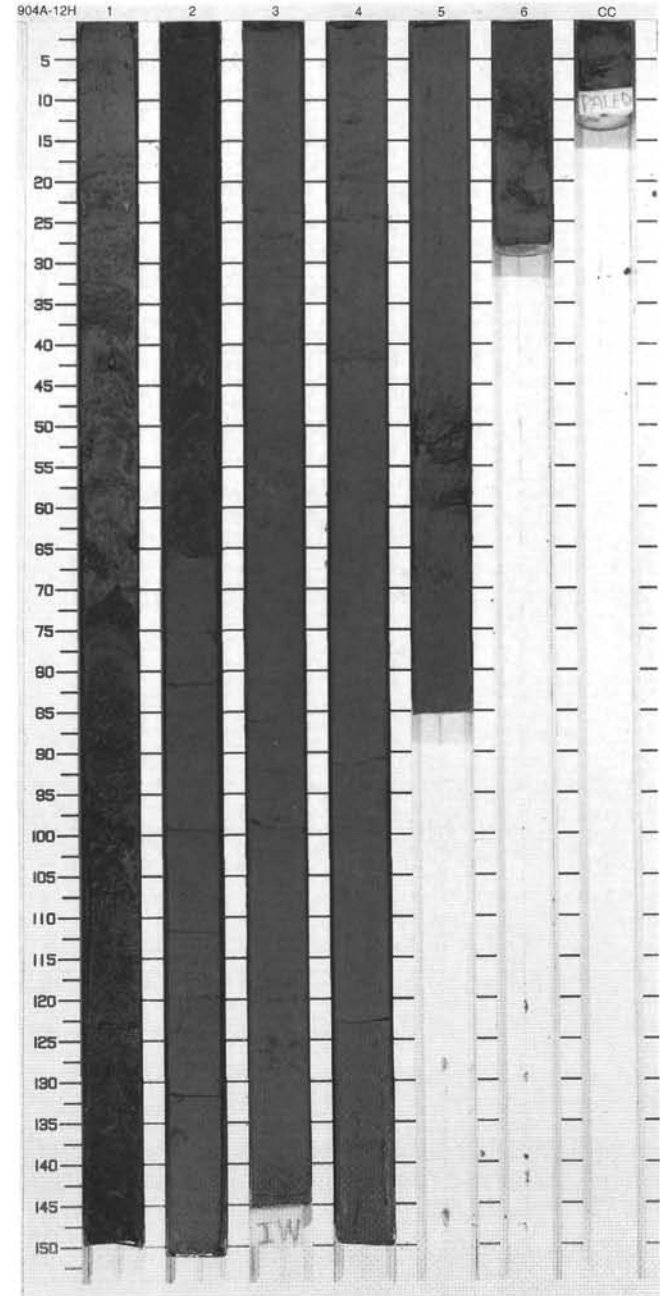
CORED 94.5 - 104.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		↑ F ↑ F		S		<p>SILTY CLAY</p> <p>Major Lithology: Dark gray (10YR4/1 to N4), moderately bioturbated SILTY CLAY with undisturbed, graded, very fine to fine sand layers, from top of Section 1 to 2 cm in Section 2. Small burrows filled with very fine to fine sand-sized, mica and quartz dominated sand commonly occur. Slumped unit of SILTY CLAY occurs from below 2 cm in Section 2 to 32 cm in Section 4.</p> <p>Minor Lithologies: Dark gray (N4) CLAY with color bands, from 137 to 150 cm in Section 2.</p> <p>General Description: Note: "Flow-in" from 32 cm in Section 4 to base of the core.</p>
2	[Hatched pattern]	2		↑ F ↑ F		S		
3	[Hatched pattern]	3				P D	10YR 4/1 To N4	
4	[Hatched pattern]	4				S		
5	[Hatched pattern]	5	middle Pleistocene			P S		
6	[Hatched pattern]	6						
7	[Hatched pattern]	7						
8	[Hatched pattern]	8					N4	
9	[Hatched pattern]	9						
	[Hatched pattern]	CC				M		



SITE 904 HOLE A CORE 12H CORED 104.0 - 111.0 mbsf

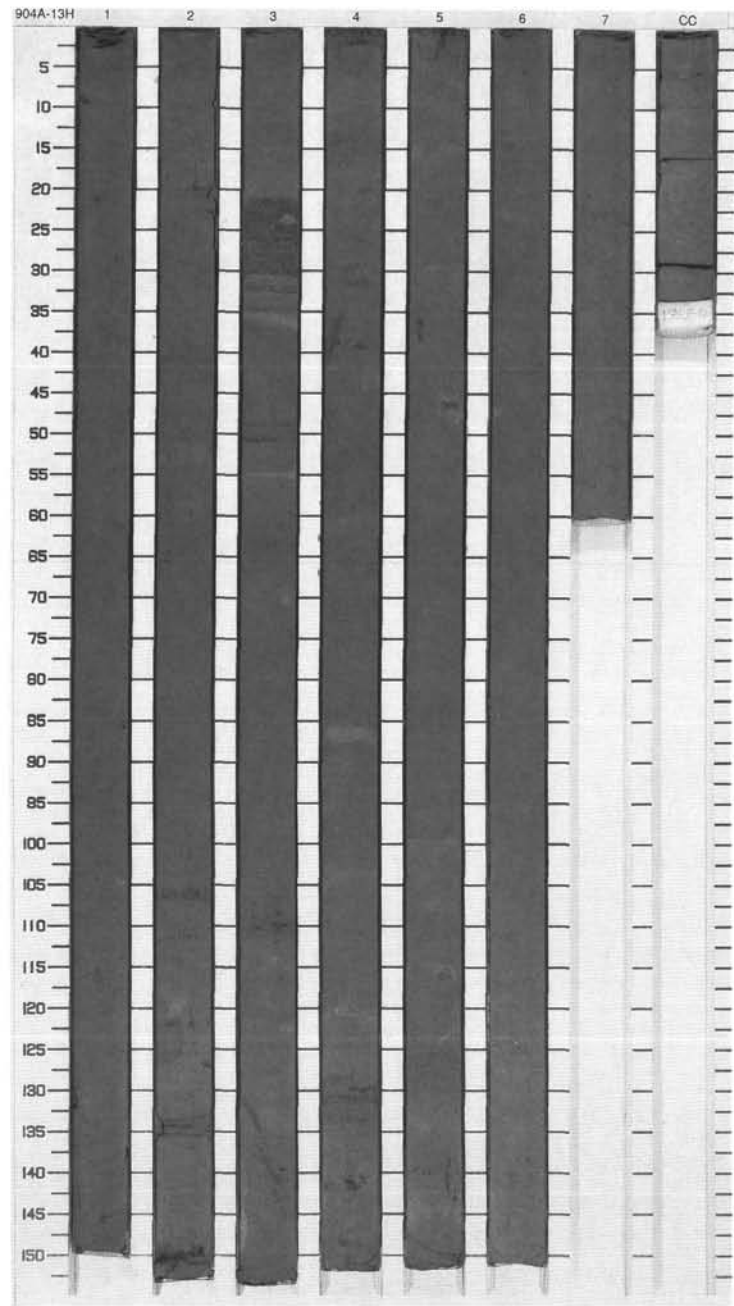
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Symbol]	1	Middle Pleistocene	[Symbol]		S	N4	DIATOMACEOUS SILTY CLAY, GLAUCONITIC SAND and GLAUCONITIC SILTY SAND
1-2	[Symbol]	1	Middle Pleistocene	[Symbol]		S P	5G 4/2	Major Lithologies: Dark gray (5Y 4/1, 4/2), moderately to heavily bioturbated DIATOMACEOUS SILTY CLAY with fine to coarse sand-sized quartz and mica, from 66 cm in Section 2 to base of this core. The DIATOMACEOUS SILTY CLAY contains about 15%-20% of diatoms. Silt to very fine sand-sized, graded, thin (<1 cm thick), quartz-dominated sand layer occurs at 56 cm in Section 3. Greenish black gray to greenish black (5G 3/1, 3/2, N1, and 5GY 2/1) glauconite-dominated interval overlies the SILTY CLAY interval. The glauconite-dominated interval is divided into three lithologic units; (1) SILTY CLAY with glauconite patches (from 16 cm in Section 1 to 72 cm in Section 1), (2) GLAUCONITIC SAND, from 72 cm in Section 1 to 134 cm in Section 1, consists mainly of fine to very coarse sand-sized glauconite with granule to pebble clasts, and (3) GLAUCONITIC SILTY SAND, from 134 cm in Section 1 to 66 cm in Section 2, composed of fine to granule-sized glauconite with granule clasts.
2-3	[Symbol]	2	Middle Pleistocene	[Symbol]		S P	5G 3/2	
3-4	[Symbol]	3	Middle Pleistocene	[Symbol]		S P	5G 3/1	
4-5	[Symbol]	3	Middle Pleistocene	[Symbol]		S D		
5-6	[Symbol]	4	Late Miocene	[Symbol]		S		
6-7	[Symbol]	4	Late Miocene	[Symbol]		I	5Y 4/1	
7-8	[Symbol]	5	Late Miocene	[Symbol]		S P		
8-9	[Symbol]	5	Late Miocene	[Symbol]		S		
9-10	[Symbol]	6	Late Miocene	[Symbol]		S		
10-11	[Symbol]	6	Late Miocene	[Symbol]		P	5Y 4/2	
11-12	[Symbol]	6	Late Miocene	[Symbol]		M		



SITE 904 HOLE A CORE 13H

CORED 111.0 - 120.5 mbsf

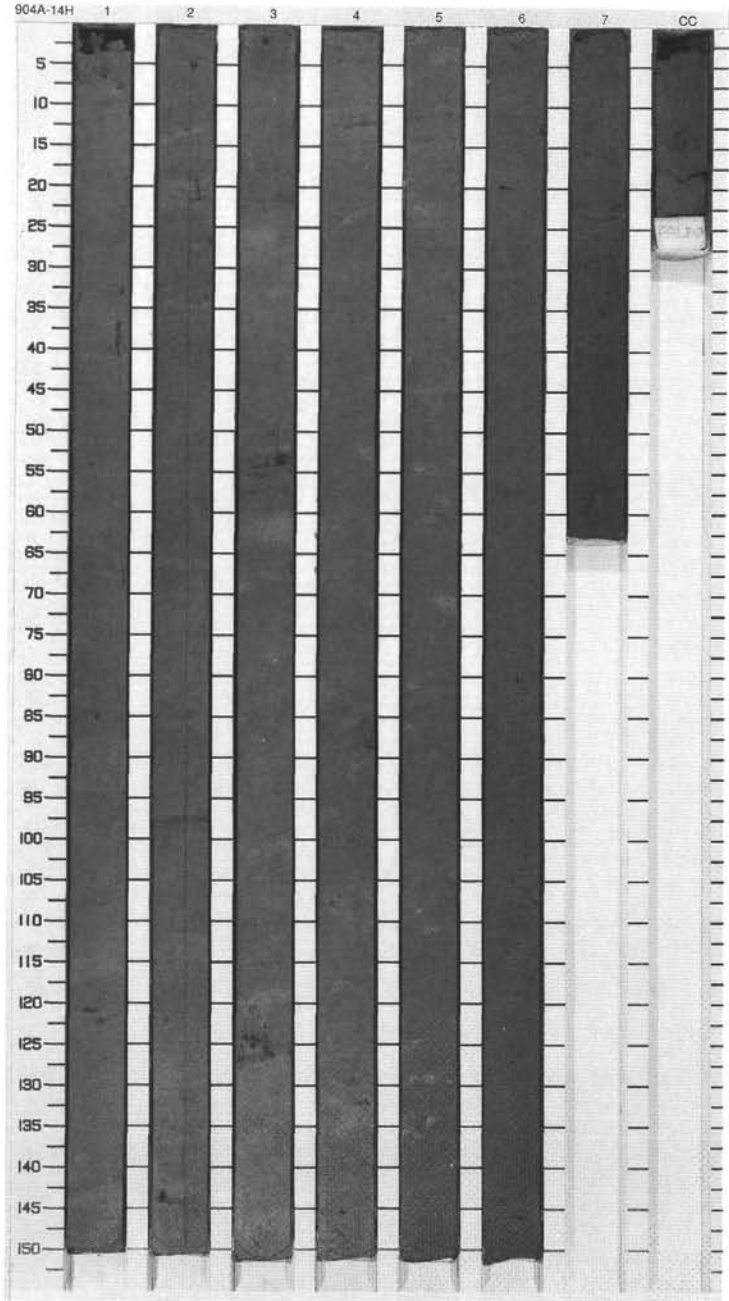
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		~		S		<p>CLAY, SILTY CLAY and SAND</p> <p>Major Lithologies: CLAY: heavily bioturbated, slightly color mottled (N4), minor mica, quartz, and silt. Burrows are filled with light gray and black micaceous silt, and with iron sulfide-rich fine sand. Unlithified cream-colored nodules (2 to 3 cm in diameter) and occasional cream-colored bands (5Y 5/2) with diffuse boundaries occur throughout the core. SILTY CLAY: common quartz and mica, heavily bioturbated, faintly color mottled (N/7), rare burrows. SAND: thinly laminated (0.5 cm), graded laminae, very fine-grained quartz sand, sharp base, often disturbed by burrowing.</p>
1	[Horizontal lines]			~		P		
2	[Horizontal lines]	2		~		S	10Y 5/1	
3	[Dotted pattern]			~	↑ F	S		
3	[Horizontal lines]			~	↑ F	S		
4	[Horizontal lines]			~	⊙	P		
5	[Dotted pattern]			~	⊙	S		
5	[Dotted pattern]	4	late Miocene	~		S		
6	[Dotted pattern]			~	⊙	S		
7	[Dotted pattern]			~	⊙	P	10Y 5/1 To 10Y 4/1	
8	[Dotted pattern]	6		~	⊙	S		
9	[Dotted pattern]			~		S		
		7		~		S		
		CC		~		M		



SITE 904 HOLE A CORE 14H

CORED 120.5 - 130.0 mbsf

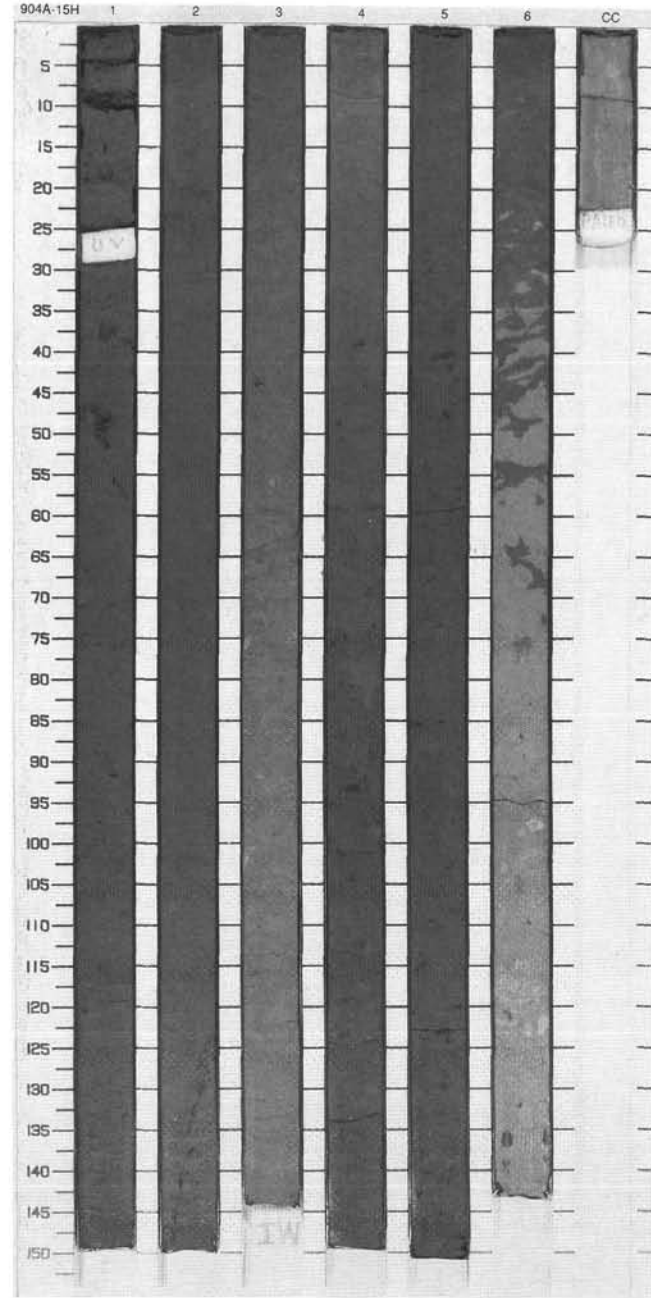
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	(P)		S		<p>CLAY</p> <p>Major Lithology: CLAY: greenish gray, moderately bioturbated, slightly micaceous, woody fragments, burrows filled with micaceous black silt and fine-grained sand. Occasional pyrite concretion (mm to cm scale). Cream-colored bands with diffuse boundaries and unlithified carbonate nodules (1 to 2 cm).</p> <p>General Description: NOTE: Core is flow-in from Section 7 (20 cm) to the base of the Core Catcher.</p>
2	[Dotted pattern]	2	(P)		S		
3	[Dotted pattern]	3	(P)		S		
4	[Dotted pattern]	3	(P)		P		
5	[Dotted pattern]	4	(C)		S	10Y 4/1 To 10Y 5/1	
6	[Dotted pattern]	4	(C)		D		
7	[Dotted pattern]	5	(C) ↑		S		
8	[Dotted pattern]	5	(C) ↑		P		
9	[Dotted pattern]	6	(C) ↑		S		
CC	[Dotted pattern]	7	(C) ↑		S		
					M		



SITE 904 HOLE A CORE 15H

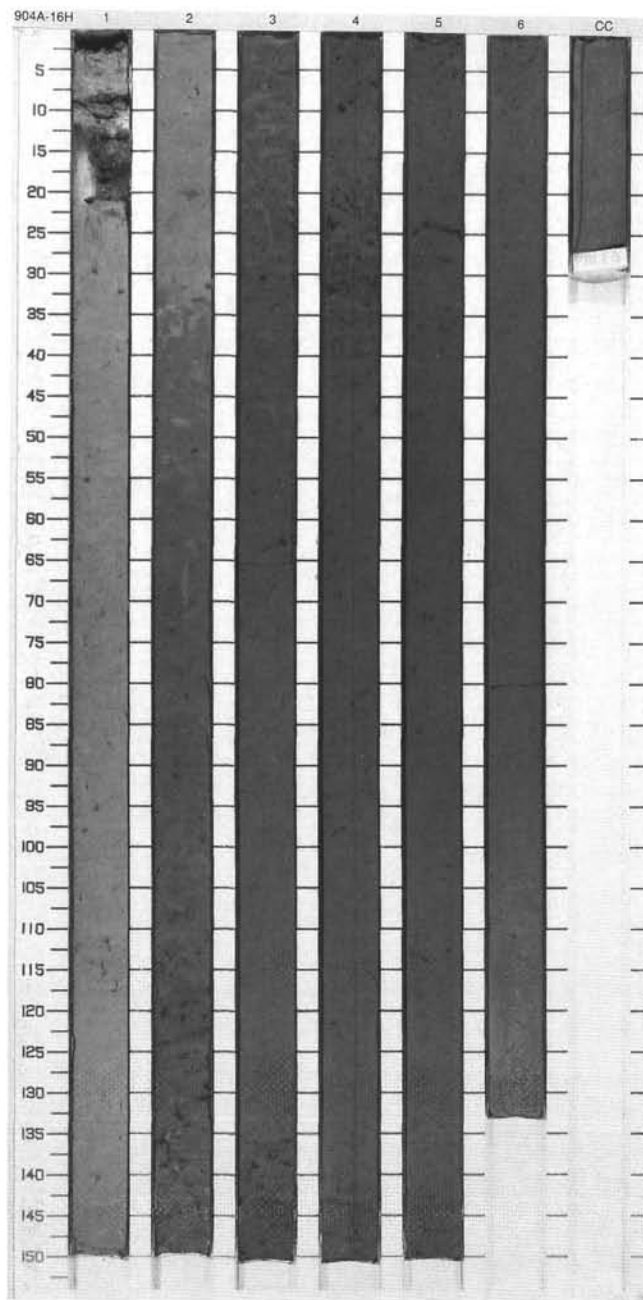
CORED 130.0 - 139.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Miocene	}}		S	10Y 3/1	<p>SILTY CLAY and CLAY</p> <p>Major Lithologies: SILTY CLAY: Dark greenish gray, micaceous, rare glauconite, and moderately bioturbated. Burrows (mm-scale) filled with black, very fine-grained sand. CLAY: light gray, moderate bioturbation, occasional wood fragments (mm-scale). Cream-colored carbonate concretions with diffuse boundaries (Section 3, 58, 75, and 102 cm). Zoophycos with sprieten structure up to 8 cm long (Section 6, 30 to 70 cm).</p>
2	[Hatched pattern]	2	late Miocene	}}		P	10Y 3/1 To 10Y 3/1	
3	[Hatched pattern]	3	late Miocene	}}		S	10Y 5/1	
4	[Hatched pattern]	4	late Miocene	}}		P	10Y 5/1 To 10Y 3/1	
5	[Hatched pattern]	5	late Miocene	}}		S	10Y 3/1	
6	[Hatched pattern]	6	late Miocene	}}		P	10Y 3/1	
7	[Hatched pattern]	7	late Miocene	}}		S	10Y 5/1	
8	[Hatched pattern]	8	late Miocene	}}		P	10Y 5/1	
9	[Hatched pattern]	9	late Miocene	}}		M	10Y 5/1	



SITE 904 HOLE A CORE 16H CORED 139.5 - 149.0 mbsf

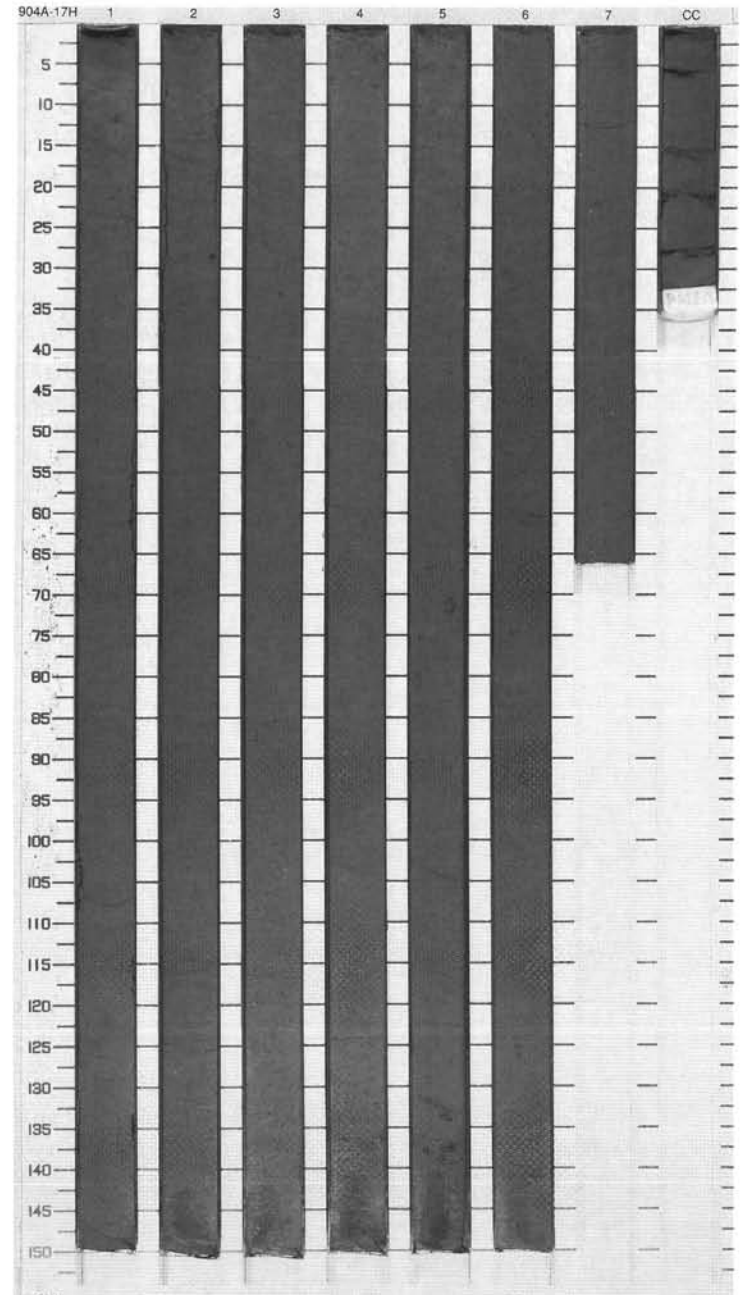
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		⋈ (P)	W	S	10Y 5/1	<p>CLAY and SILTY CLAY</p> <p>Major Lithologies: Section 1 and Section 2 up to 30 cm consists of light gray moderately burrowed CLAY with occasional shell fragments and mm-to cm-sized pyrite concretions. Burrows are filled with pyrite and often stained black. From Section 2, 30 cm to the base of the core, sediment consists of gray to dark gray, slightly to heavily bioturbated, micaceous SILTY CLAY. A gradational color change from light gray CLAY to gray SILTY CLAY occurs in Section 2 (30–120 cm). A fining upward sequence is well expressed in this interval. Glauconite is common in Sections 3 and 4. Silt to fine sand-sized grains are disseminated in the sediment and concentrated in burrows. Small (<2 mm) burrows are filled with light gray silt. Rare woody fragments occur in Section 3.</p> <p>General Description: NOTE: Flow-in from Section 6, 95 cm and CC.</p>
2	[Dotted pattern]	2		⋈ ↑ F		P	10Y 5/1 To 10Y 4/1	
3	[Dotted pattern]	3		⋈ ↑ F		S		
4	[Dotted pattern]	4		⋈ ↑ F		P		
5	[Dotted pattern]	5	late Miocene	⋈ ↑ F		D		
6	[Dotted pattern]	6		⋈ ↑ F		S	10Y 3/1	
7	[Dotted pattern]	7		⋈ ↑ F		P		
8	[Dotted pattern]	8		⋈ ↑ F		S		
9	[Dotted pattern]	9		⋈ ↑ F		M		



SITE 904 HOLE A CORE 17H

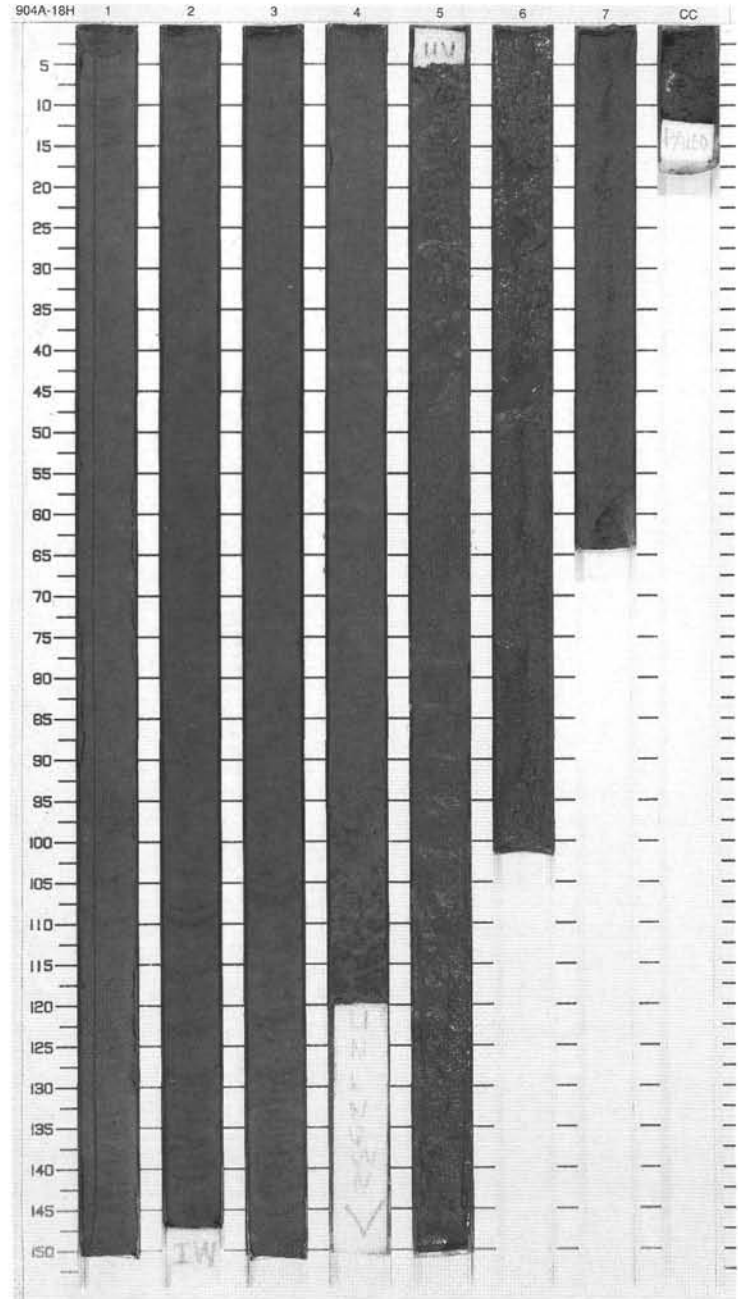
CORED 149.0 - 158.5 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	[Wavy structure]		S	5Y 4/1	<p>SILTY CLAY</p> <p>Major Lithology: Greenish gray, moderately to heavily bioturbated SILTY CLAY. Mica flakes are common and occur together with comminuted woody debris. Burrows are filled with glauconitic fine sand. Glauconite grains are common in Section 6. Occasional occurrence of shell fragments.</p>
2					P		
3					S		
4					P D		
5							
6							
7					S		
8					P		
9					S		
10					CC		



SITE 904 HOLE A CORE 18H CORED 158.5 - 168.0 mbsf

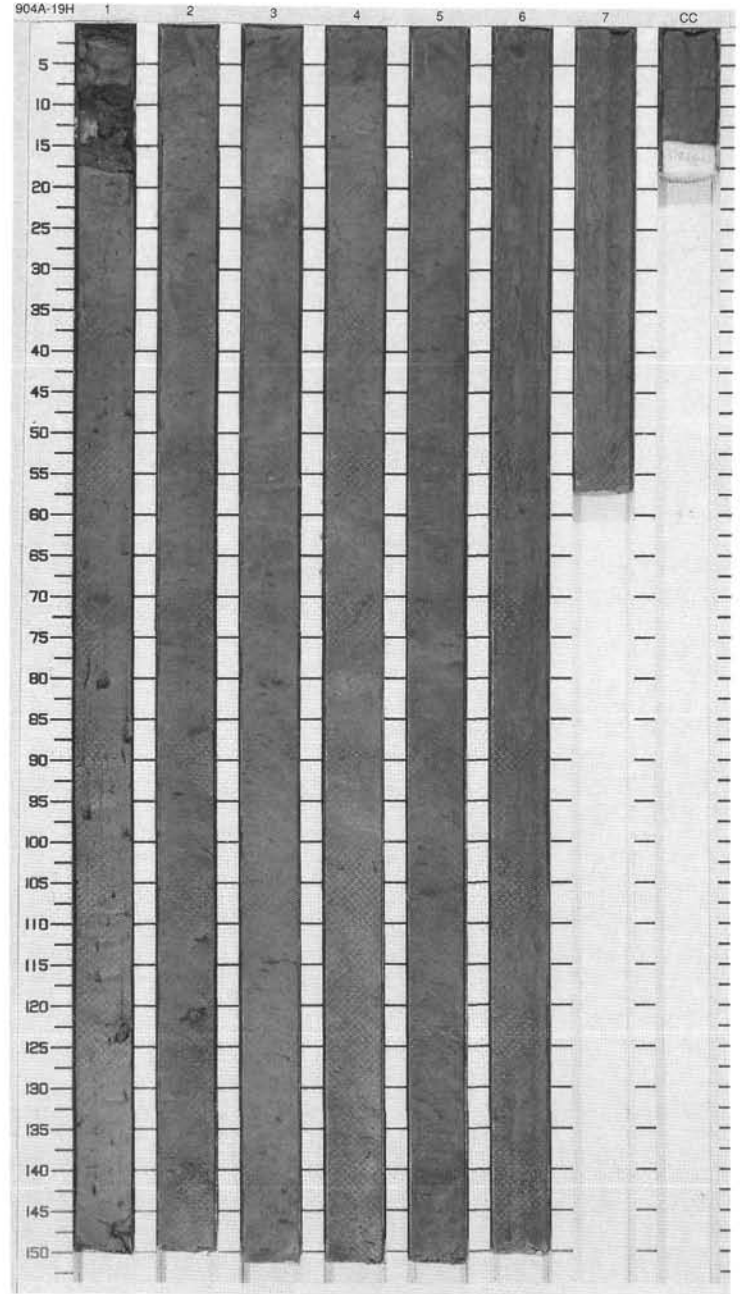
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1	A	S	S	5Y 4/1	<p>SILTY CLAY and SAND</p> <p>Major Lithologies: The core comprises two distinct units. The first one, from Section 1 to Section 4, is composed of greenish gray, slightly micaceous, moderately bioturbated SILTY CLAY. Burrows are filled with micaceous silt. The abundance of sand grains increases from the top to the base of the unit. Large burrows filled with medium sand from bed below occur in Section 4, below 90 cm. The second unit consists of medium to very coarse SAND with a soupy aspect and showing a fining-upward sequence. The SAND is poorly sorted and is mainly composed of subangular to well-rounded quartz grains, minor glauconite, and pyrite and shell fragments. This slightly graded sand unit with coarser sand downward and clasts suggest sandy mass flow.</p>
2		2			P		
3		3			I		
4		3			PD		
5		4			P		
6		Void					
7		5			P		
8		6	M	N3 To N4	P		
7		7			P		
8		6			P		
9		7			P		



SITE 904 HOLE A CORE 19H

CORED 168.0 - 177.5 mbsf

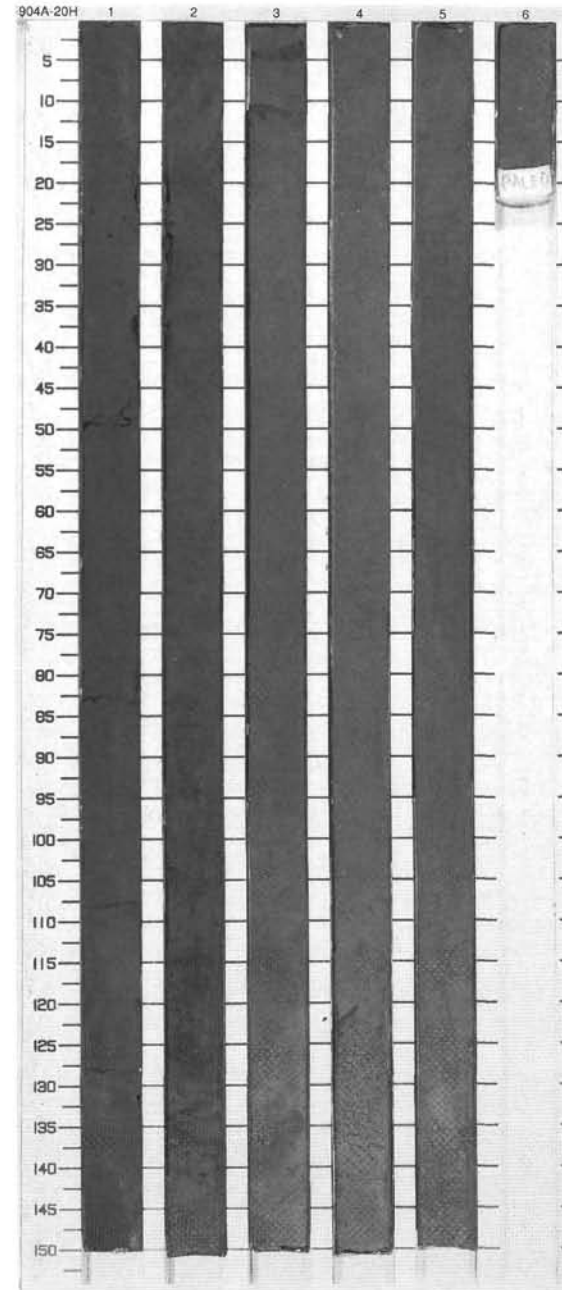
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Miocene	}	O	S	10Y 6/1	<p>SILTY CLAY</p> <p>Major Lithology: The whole core consists of light greenish gray, rarely burrowed SILTY CLAY. Pyrite nodules (1 to 2 cm in diameter) occur in Sections 1 and 2. Many smaller concretions are developed in burrows throughout the core. Faint, lighter cream-colored halos developed around some burrows in Section 4.</p> <p>General Description: NOTE: Flow-in from Section 6, 5 cm to the base.</p>
2	[Hatched pattern]	2				P		
3	[Hatched pattern]	3				S		
4	[Hatched pattern]	4				P		
5	[Hatched pattern]	5				S		
6	[Hatched pattern]	6				P		
7	[Hatched pattern]	7				P		
CC	[Wavy pattern]	CC			M			



SITE 904 HOLE A CORE 20H

CORED 177.5 - 187.0 mbsf

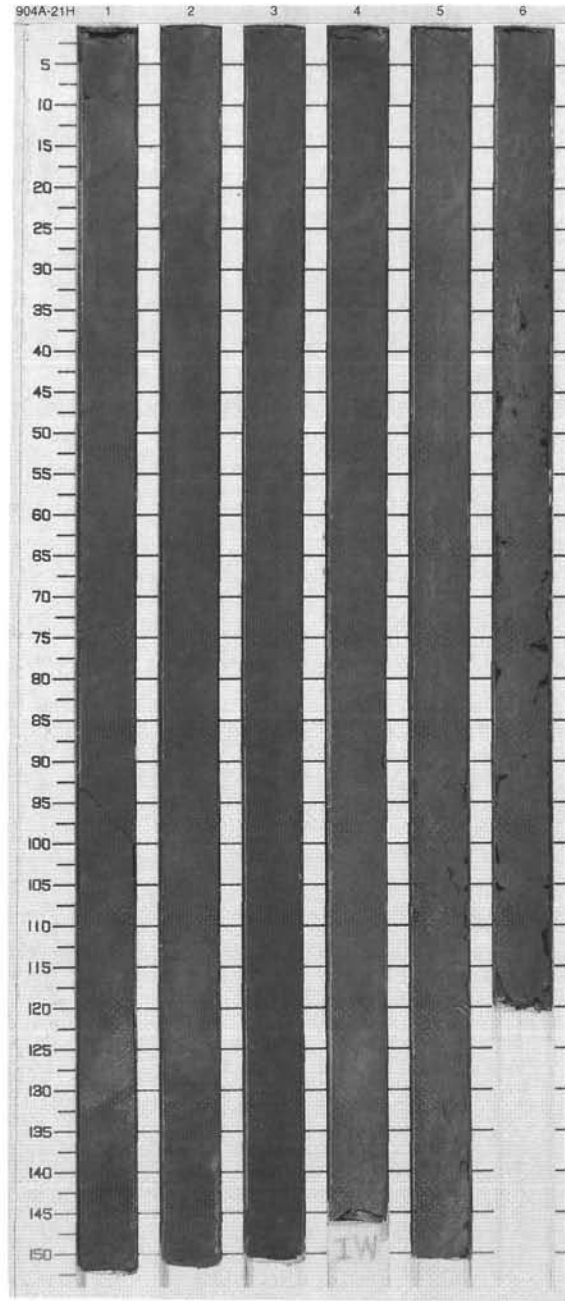
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	middle Miocene	Ⓞ		S	5Y 3/1 To 10Y 3/1	<p>SILTY CLAY and GLAUCONITIC SANDY CLAY</p> <p>Major Lithologies: The core consists mainly of greenish gray, rarely burrowed SILTY CLAY. Silt to fine sand-sized glauconite grains are disseminated throughout. The main striking feature of the core is the occurrence of moderately burrowed GLAUCONITIC SANDY CLAY in Section 2, 80-129 cm. Large burrows (Planolites) filled with glauconite occur below this interval between 129 and 142 cm.</p> <p>General Description: NOTE: Flow-in from Section 5, 40 cm to the base of the core.</p>
2	[Hatched pattern]	2				P		
3	[Hatched pattern]	3		S				
4	[Hatched pattern]	4		P D				
5	[Hatched pattern]	5		P				
6	[Hatched pattern]	6		S				
					wwwwwwww	M		



SITE 904 HOLE A CORE 21H

CORED 187.0 - 196.5 mbsf

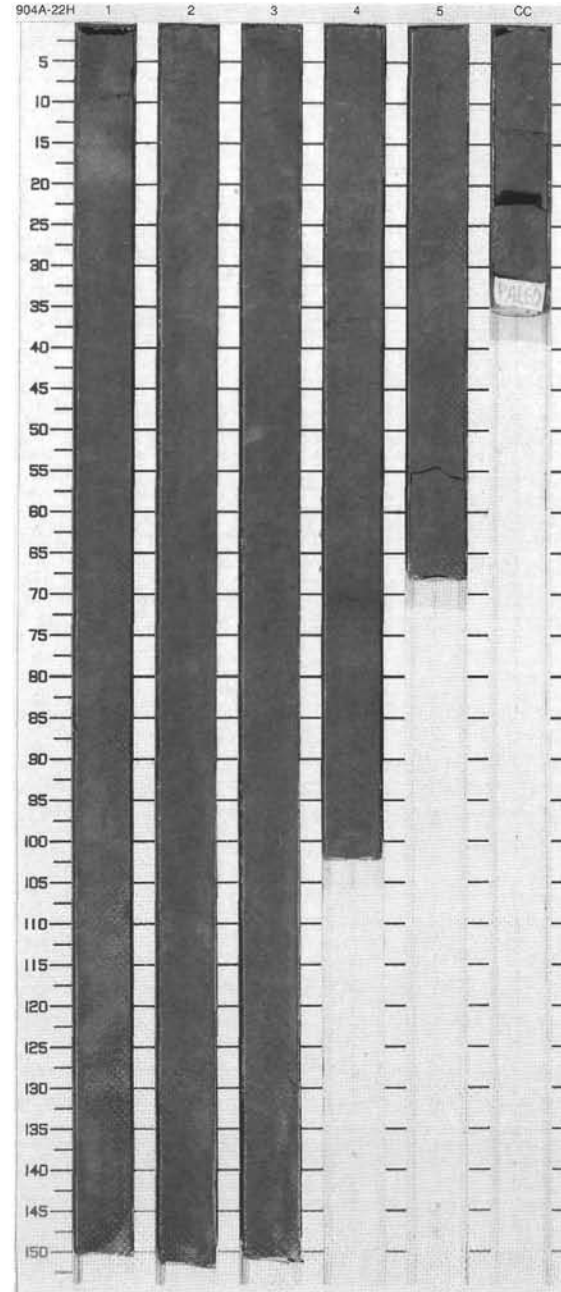
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		(G)		S		<p>SILTY CLAY</p> <p>Major Lithology: The whole core consists of greenish gray, slightly bioturbated and slightly glauconitic SILTY CLAY. Disseminated glauconite is silt-sized, rare burrows infilled with very fine sand-sized glauconite.</p>
2	[Hatched pattern]	2		(G)		P		
3	[Hatched pattern]	3				S		
4	[Hatched pattern]	4		(G)		P D	5Y 3/2	
5	[Hatched pattern]	5	Middle Miocene	(G)		P		
6	[Hatched pattern]	6		(G)		J		
								M



SITE 904 HOLE A CORE 22H

CORED 196.5 - 203.0 mbsf

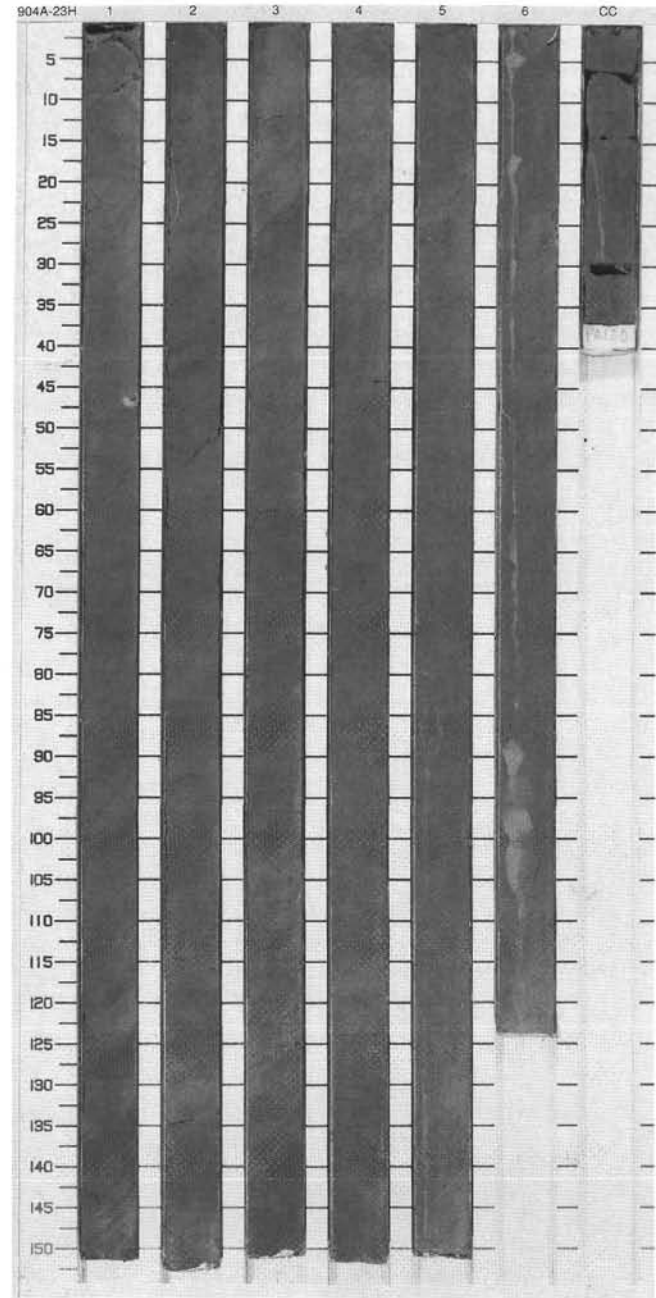
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description		
1		1	middle Miocene	G	S	P	5Y 5/1	SILTY CLAY Major Lithology: Homogeneous, slightly bioturbated greenish gray SILTY CLAY with common silt-sized glauconite grains. Cream-colored siderite nodules with diffuse margins occur in the base of Section 2 and in the top of Section 3.		
2		2							S	P
3		3							S	P
4		3							S	P
5		4							S	P
6		5							S	P
		CC				M				



SITE 904 HOLE A CORE 23H

CORED 203.0 - 212.5 mbsf

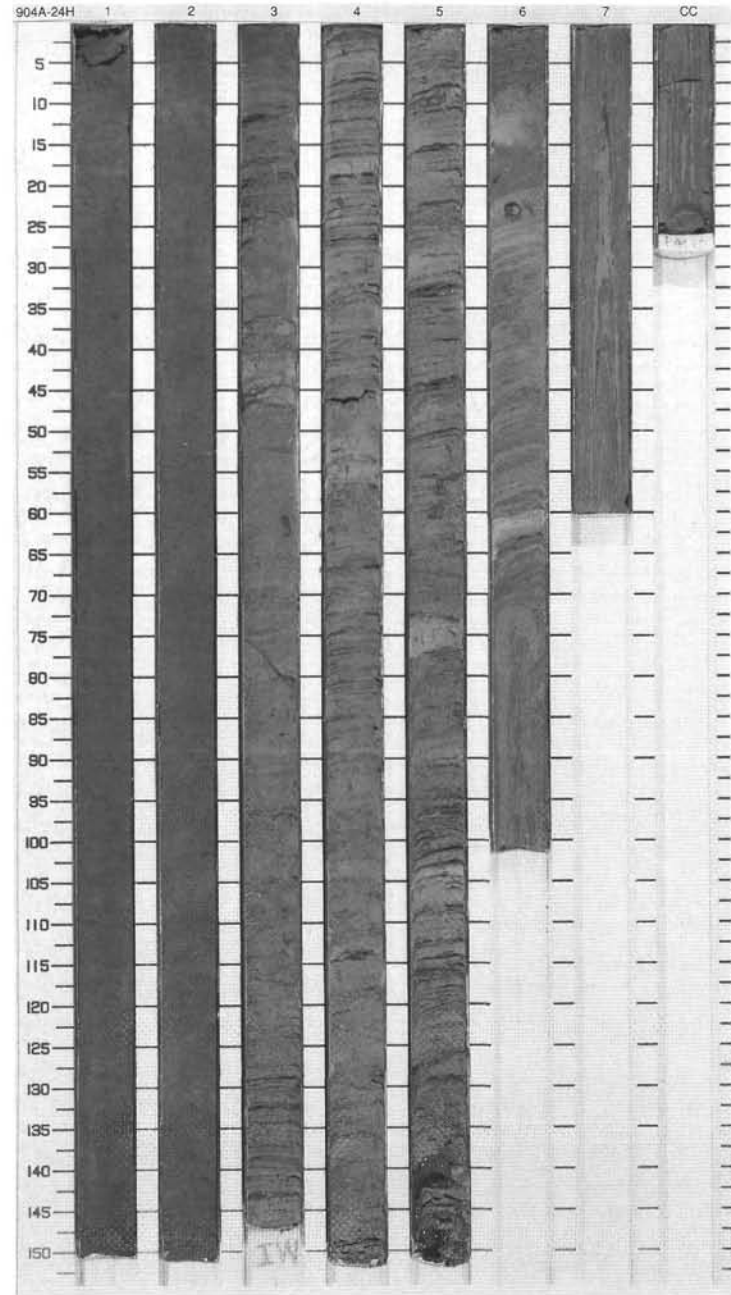
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description					
1		1	middle Miocene			S	5Y 3/2	<p>SILTY CLAY</p> <p>Major Lithology: Dark olive gray to dark gray (5Y 4/1 to 5Y 3/2), moderately to heavily bioturbated SILTY CLAY with very fine to fine sand-grained glauconite and quartz. Glauconite content gradually increases downward in this core. Buff colored, olive gray (5Y 4/2) bands of diagenetic origin commonly occur. Burrows filled with disseminated pyrite are also observable.</p> <p>General Description: Note: "Flow-in" below 80 cm in Section 5 to base of this core.</p>					
2									2	P	P	S	S
3													
4									4	P	P	D	S
5													
6									6	P	P	S	
7													7
8									8	P	P	S	
9													9



SITE 904 HOLE A CORE 24H

CORED 212.5 - 222.0 mbsf

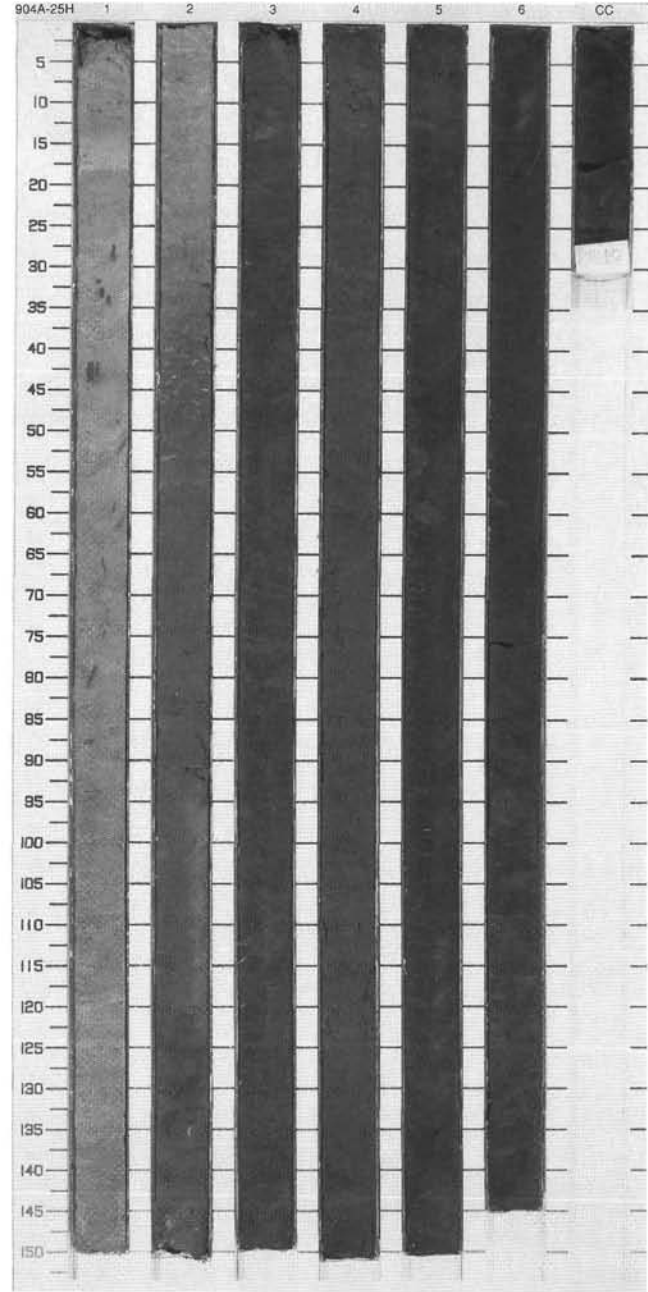
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		[Symbol]		P	5Y 4/1 To 5Y 4/2	<p>INTERBEDDED SAND AND SILT and SILTY CLAY</p> <p>Major Lithologies: Thinly INTERBEDDED SAND AND SILT. The sand laminae have sharp, undulose, scoured bases and consist of very fine, clean quartz and mica sand, with common 1-2 mm thick laminae of flaky plant debris. These sand laminae are rarely crosscut by silt-filled burrows. The silt laminae are greenish gray with very minor very fine sand. Siderite (5Y 6/3) commonly replace the silty laminae. Rare zones of moderate bioturbation in Sections 4 and 5. Heavily bioturbated, dark gray-olive gray, SILTY CLAY with common very fine to fine sand-sized glauconite and very rare plant debris in Sections 1 and 2. Becoming sandier towards the base of Section 2.</p>
2	[Pattern]	2		[Symbol]		P		
3	[Pattern]	3		[Symbol]		P D	5Y 5/1	<p>Minor Lithology: Moderately to heavily bioturbated SANDY SILT thin laminations disturbed by bioturbation, common very fine and fine quartz and mica sand with common glauconite and minor organics.</p>
4	[Pattern]	4		[Symbol]		P I		
5	[Pattern]	5		[Symbol]		P	10Y 5/1	<p>General Description: Note: "Flow-in" below 70 cm in Section 6.</p>
6	[Pattern]	6		[Symbol]		P		
7	[Pattern]	7		[Symbol]		P		
8	[Pattern]	8		[Symbol]		P		
9	[Pattern]	9		[Symbol]		M		



SITE 904 HOLE A CORE 25H

CORED 222.0 - 231.3 mbsf

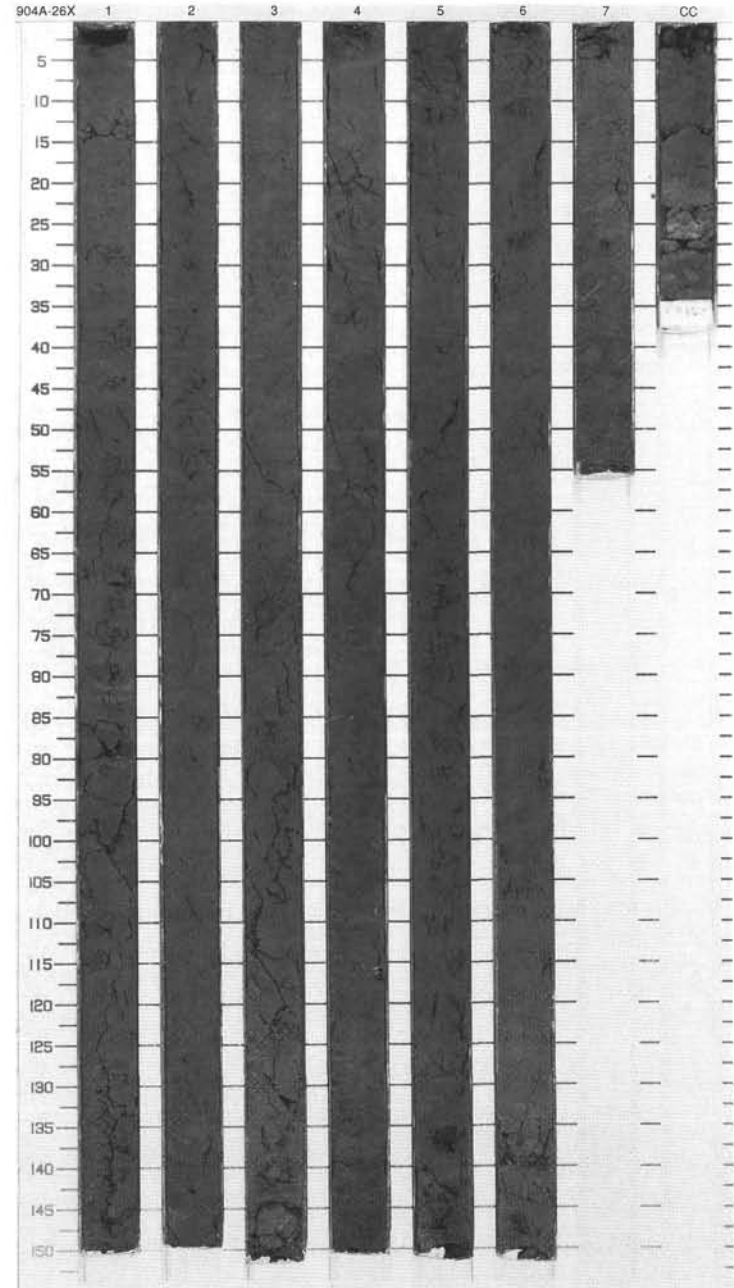
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Symbol]	1		P	○	S		<p>SILTY CLAY, GLAUCONITIC SILT and GLAUCONITIC SANDY SILT</p> <p>Major Lithologies: Greenish gray, SILTY CLAY, moderately to heavily bioturbated, down to 110 cm in Section 2. GLAUCONITIC SILT and GLAUCONITIC SANDY SILT, moderately to heavily bioturbated occurs down to the base. Chondrites, Thalassinoides, and Terebellina occur in Section 2. Zoophycos occurs in Section 3.</p>
2	[Symbol]	2		P	∕∕	S	5GY 5/1	
3	[Symbol]	3		G	-	S	5Y 4/2	
4	[Symbol]	3		G	-	S	5Y 4/1 To 5Y 3/2	
5	[Symbol]	4	Miocene	G	-	S	5Y 4/2 To 5Y 3/2	
6	[Symbol]	5		G	-	S		
7	[Symbol]	6		G	-	P	N1	
8	[Symbol]	6		G	-	S		
9	[Symbol]	6		G	-	P		
10	[Symbol]	6		G	-	S		
11	[Symbol]	CC				M		



SITE 904 HOLE A CORE 26X

CORED 231.3 - 240.9 mbsf

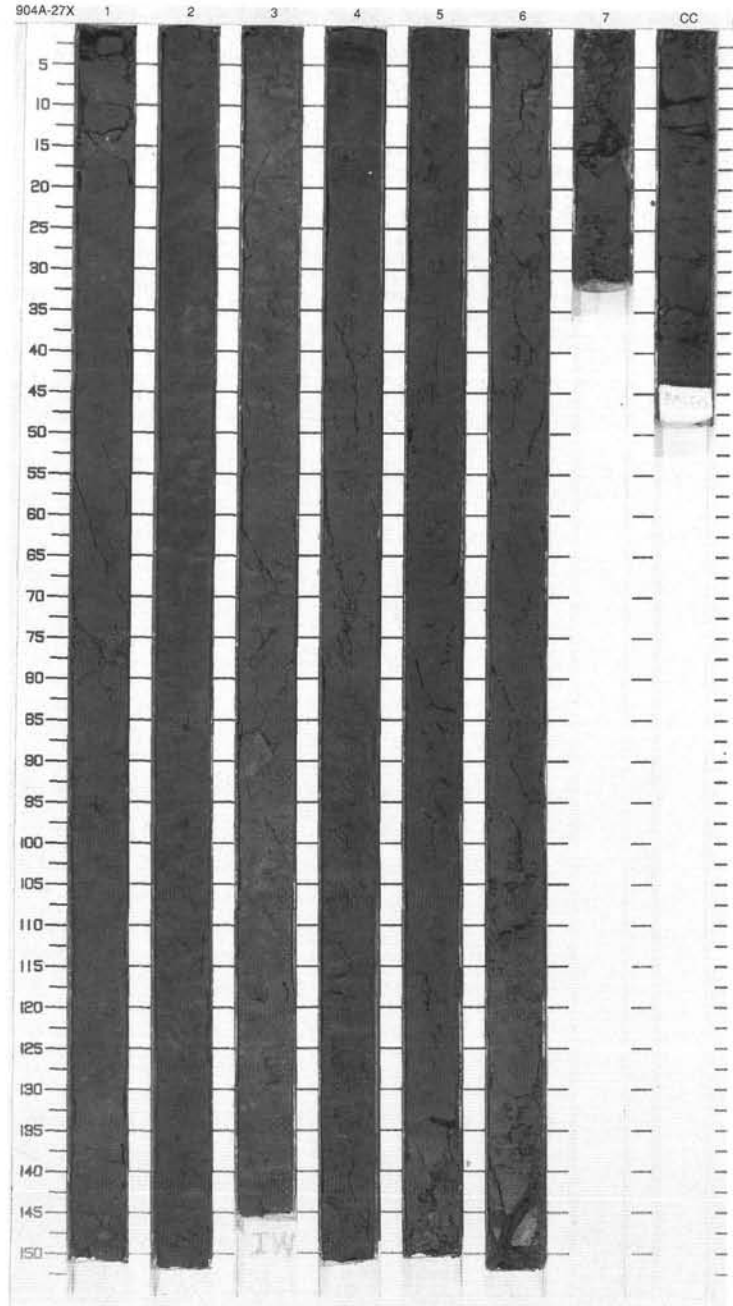
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description	
1		middle Miocene	G	S	S	5Y 4/1 To 5Y 4/2	GLAUCONITIC SILT and GLAUCONITIC SILTY CLAY Major Lithologies: Dark to olive gray, heavily bioturbated GLAUCONITIC SILT down to 36 cm in Section 5 and below 100 cm in Section 6. Heavily bioturbated, dark gray GLAUCONITIC SILTY CLAY, silty clay occurs at the base of Section 5 and the top of Section 6. Zoophycos is the common trace fossil.	
2								P
3								S
4								P
5								S
6								S
7								P
8								S
9								S
CC								M



SITE 904 HOLE A CORE 27X

CORED 240.9 - 250.3 mbsf

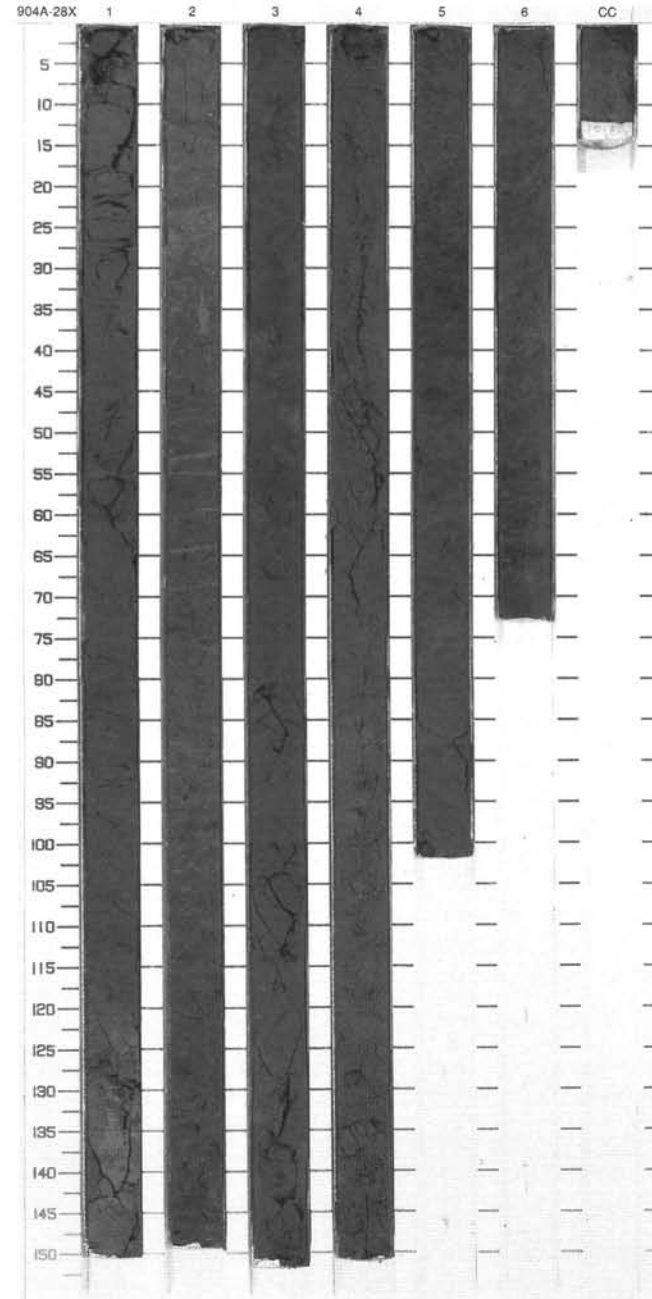
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	middle Miocene	[G]	-	S		GLAUCONITIC SANDY SILT, GLAUCONITIC SILT and SILTY CLAY Major Lithologies: Very dark, olive gray, heavily bioturbated GLAUCONITIC SANDY SILT occurs in Sections 1, 2, and 3. In Section 3, it is interbedded with dark gray GLAUCONITIC SILT. In Sections 4 and 5, GLAUCONITIC SANDY SILT is interbedded with dark yellowish brown, moderately bioturbated SILTY CLAY. Section 6 to the base comprises heavily bioturbated very dark gray-brown SILTY CLAY alone. Zoophycos occurs in Sections 4 and 5.
2	[Dotted pattern]	2		[G]		S	5Y 3/1 To 5Y 3/2	
3	[Dotted pattern]	3		[G]		S	5Y 5/2 To 5Y 4/1	
4	[Dotted pattern]	4		[G]		S	5Y 3/2 To 5Y 3/1	
5	[Dotted pattern]	5		[G]		S	10YR 4/2 To 10YR 3/2	
6	[Dotted pattern]	6		[G]		S	10YR 3/2 To 10YR 3/1	
7	[Dotted pattern]	7		[G]		S	5Y 4/1 To 5Y 3/1	
8	[Horizontal lines]	8	early Miocene	[G]		P		
9	[Horizontal lines]	9		[G]		P		
CC	[Horizontal lines]	CC		[G]		M		



SITE 904 HOLE A CORE 28X

CORED 250.3 - 260.1 mbsf

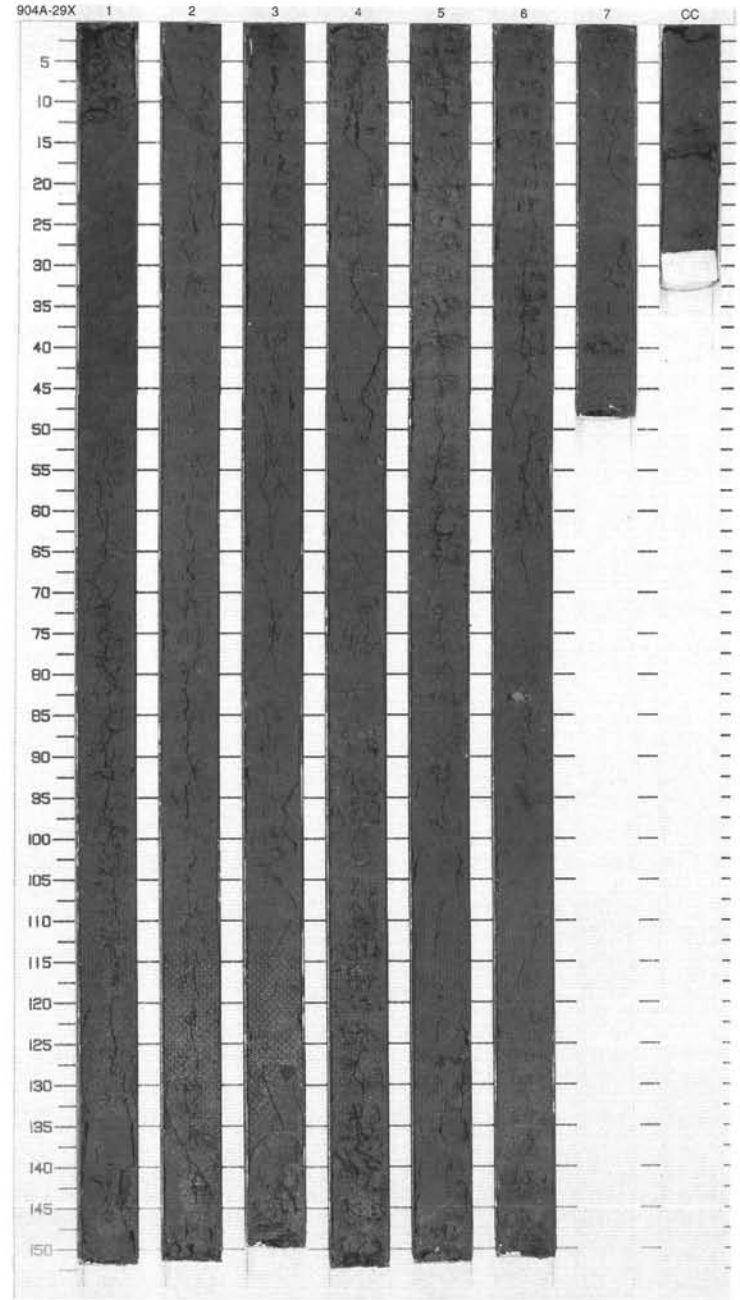
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		~ G	-	S	5Y 3/1 To 5Y 3/2	GLAUCONITIC SILT, SILTY CLAY and GLAUCONITIC SANDY SILT Major Lithologies: Dark gray and very dark gray GLAUCONITIC SILT interbedded with GLAUCONITIC SANDY SILT. Dark gray SILTY CLAY occurs at the base of Section 1. An excellent example of Zoophycos occurs in Section 2 from 30-70 cm.
2		2		~ G	-	S	5Y 4/1 To 5Y 3/2	
3		3		~ G	-	P		
4		3		~ G	-	S	10YR 3/1	
5		4		~ G	-	S		
6		4		~ G	-	P _D	10YR 4/1 To 10YR 4/2	
7		5		~ G	-	S	10YR 4/2 To 10YR 3/1	
8		6		~ G	-	S		
				~ G	-	P _M		



SITE 904 HOLE A CORE 29X

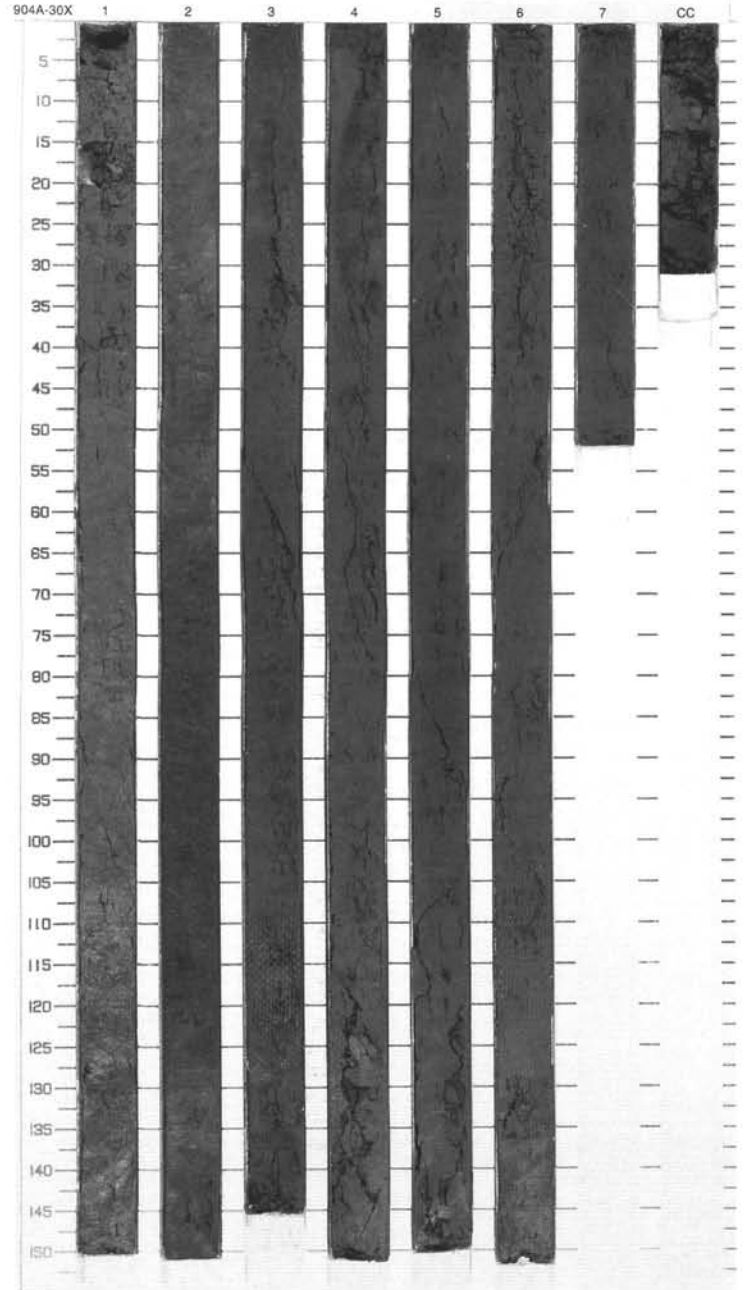
CORED 260.1 - 269.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Stippled pattern]	1	early Miocene	[Wavy pattern]	W	P S	5Y 3/1 To 5Y 4/1	<p>GLAUCONITIC SANDY SILT, GLAUCONITIC SILT and SILT</p> <p>Major Lithologies: Dark gray to very dark gray, heavily bioturbated GLAUCONITIC SANDY SILT occur from Sections 1 to 3, from Section 5, 55 cm to Section 6, 103 cm and in the CC. Glauconite decreases at the base of Section 3. Dark gray to olive gray, heavily bioturbated SILT occurs in Section 4 and at the top of Section 5 up to 12 cm, GLAUCONITIC SILT occurs in Section 6, 103 cm and Section 7.</p> <p>Minor Lithologies: A 43-cm-thick interval of dark gray to gray heavily bioturbated, CLAYEY SILT with rare glauconite occurs in Section 5. GLAUCONITIC SILTY SAND occurs in Section 6, 70-103 cm.</p>
2	[Stippled pattern]	2		S				
3	[Stippled pattern]	3		S				
4	[Stippled pattern]	4		P D				
5	[Stippled pattern]	5		S				
6	[Stippled pattern]	6		S				
7	[Stippled pattern]	7		P				
8	[Stippled pattern]	6	S		5Y 3/1 To 5Y 4/1			
9	[Stippled pattern]	7						
	[Stippled pattern]	CC				M		



SITE 904 HOLE A CORE 30X CORED 269.8 - 279.5 mbsf

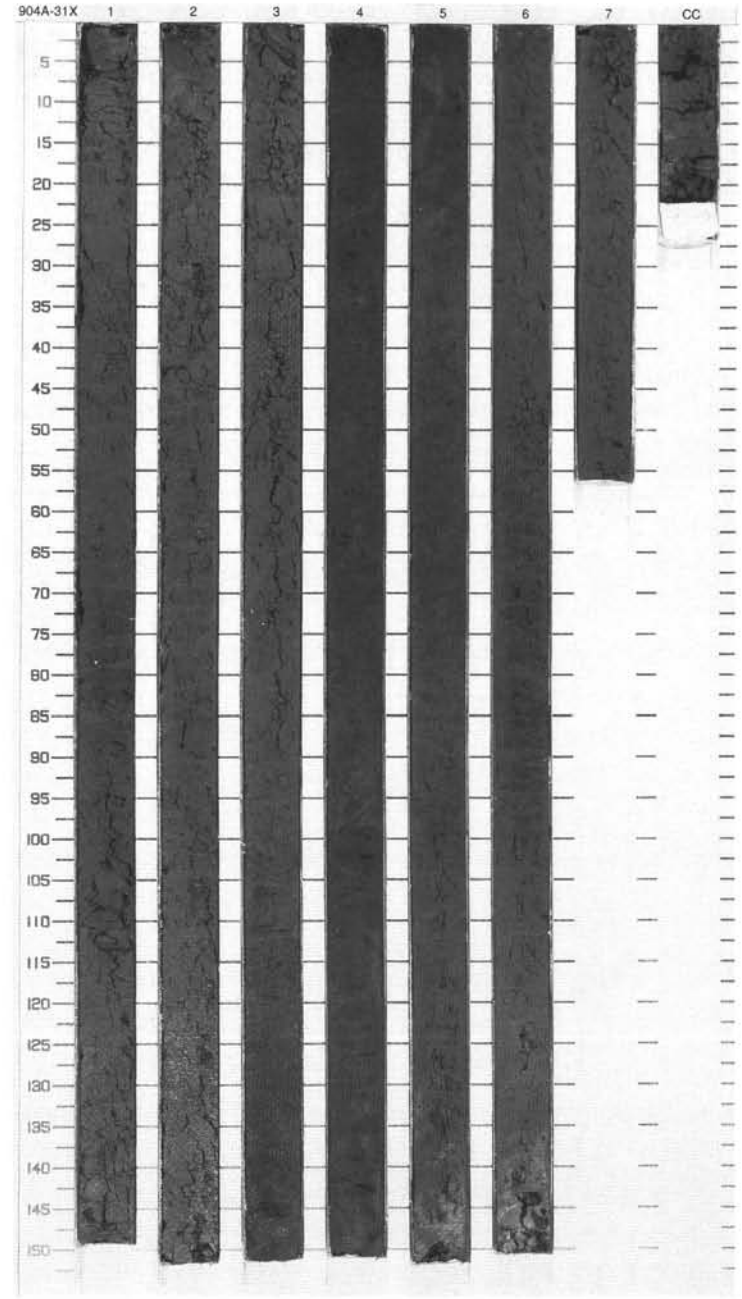
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	(stippled)	1		(wavy)	W	S	10YR 3/2	<p>GLAUCONITIC SILT, GLAUCONITIC SANDY SILT and CLAYEY SILT</p> <p>Major Lithologies: The upper part of the core up to Section 5, 100 cm, is composed of dark gray, dark brown, and olive gray, heavily bioturbated GLAUCONITIC SILT and GLAUCONITIC SANDY SILT. The lower part, from Section 5, 100 cm, to the base of the core, consists of very dark gray, heavily bioturbated CLAYEY SILT without glauconite.</p>
2	(stippled)	2		(wavy)	W	S	5Y 4/1	
3	(stippled)	3		(wavy)	W	S	5Y 5/2 To 5Y 4/1	
4	(stippled)	4	early Miocene	(wavy)	W	S		
5	(stippled)	5		(wavy)	W	S		
6	(stippled)	6		(wavy)	W	P	5Y 3/1	
7	(stippled)	7		(wavy)	W	S		
8	(stippled)	8		(wavy)	W	P		
9	(stippled)	9		(wavy)	W	S		
CC	(stippled)	CC		(wavy)	W	M		



SITE 904 HOLE A CORE 31X

CORED 279.5 - 289.1 mbsf

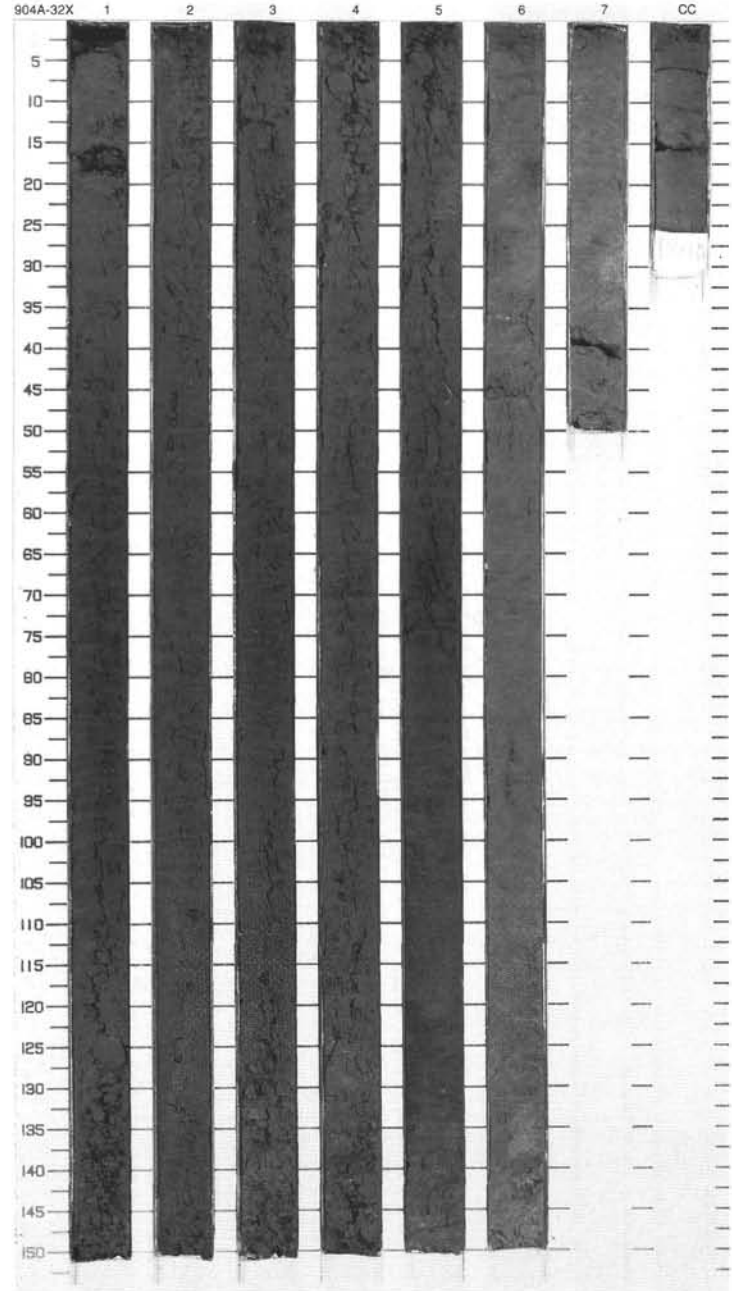
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	[Wavy structure]	[Vertical wavy line]	S	5Y 3/1	<p>SILTY CLAY and GLAUCONITIC SILTY SAND</p> <p>Major Lithologies: The core consists of three lithologic units. The first one (Section 1 to Section 3, 115 cm, is composed of dark gray to olive-gray, heavily bioturbated SILTY CLAY. Glauconite occurs, and grain size increases at the base of this unit (Section 3, 65–115 cm). The second unit corresponds to very dark gray to black, heavily bioturbated GLAUCONITIC SILTY SAND (fine to medium sand). The third unit is mainly composed of SILTY CLAY which is also heavily bioturbated.</p> <p>Minor Lithology: The top of Unit 3 is characterized by the occurrence of glauconitic CLAYEY SILT and SILT. The gradational change from CLAYEY SILT and SILT to SILTY CLAY occurs at the top of Section 6.</p>
2	[Hatched pattern]	2	[Wavy structure]	[Vertical wavy line]	S	5Y 4/1 To 5Y 4/2	
3	[Hatched pattern]	3	[Wavy structure]	[Vertical wavy line]	S	5Y 4/1	
4	[Dotted pattern]	4	[Wavy structure]	[Vertical wavy line]	S	5Y 3/1 To N1	
5	[Dotted pattern]	5	[Wavy structure]	[Vertical wavy line]	P		
6	[Dotted pattern]	6	[Wavy structure]	[Vertical wavy line]	S		
7	[Hatched pattern]	7	[Wavy structure]	[Vertical wavy line]	S	5Y 3/1	
8	[Hatched pattern]	6	[Wavy structure]	[Vertical wavy line]	P		
9	[Hatched pattern]	7	[Wavy structure]	[Vertical wavy line]	S		
	[Hatched pattern]	CC		[Vertical wavy line]	M		



SITE 904 HOLE A CORE 32X

CORED 289.1 - 298.8 mbsf

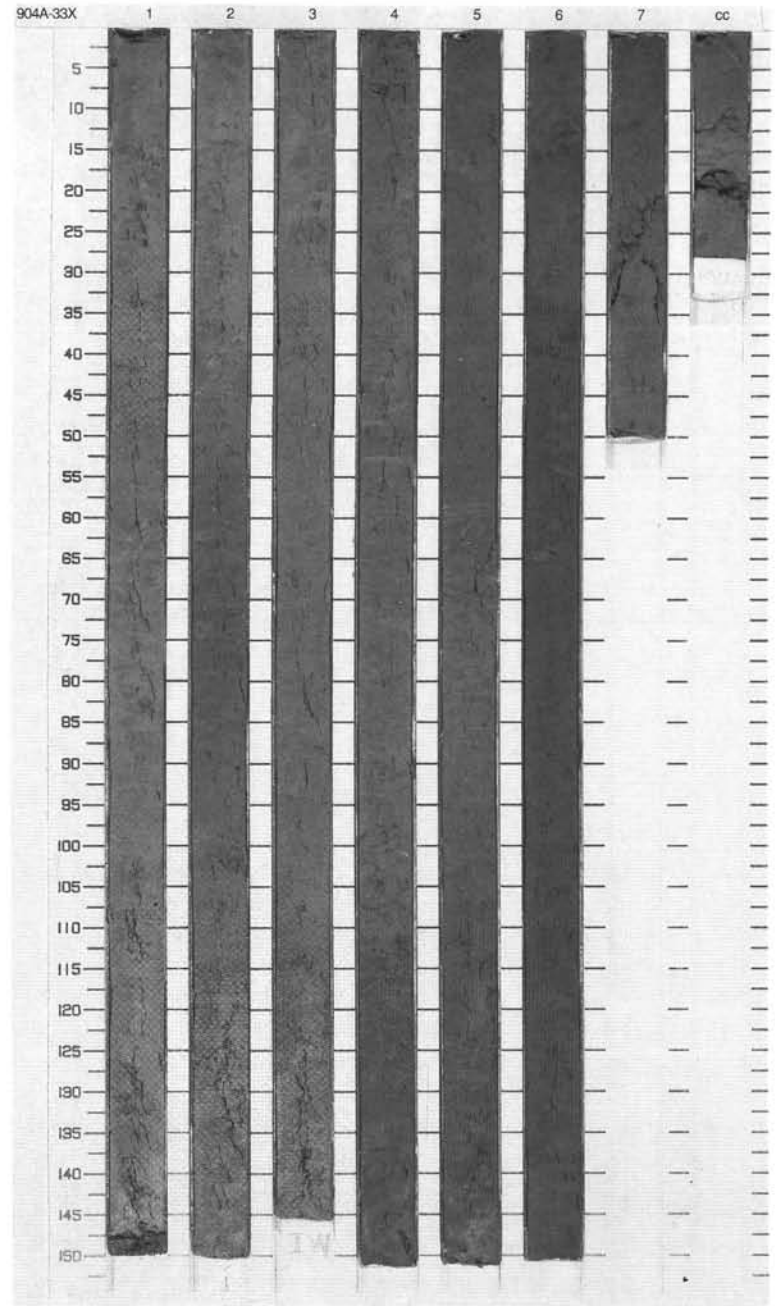
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	early Miocene	[Symbol]	---	S	10YR 3/1	<p>SILTY CLAY, GLAUCONITIC SAND and CLAYEY SILT</p> <p>Major Lithologies: Brownish green to very dark brown SILTY CLAY without distinct structures in Sections 1 to 4, except glauconitic patches. In Section 5, SILTY CLAY is grading downward to moderately to heavily GLAUCONITIC SAND. Below this layer, slightly to moderately bioturbated, light greenish gray CLAYEY SILT occurs. The top of Section 6 up to 20 cm and Section 7 are characterized by the occurrence of large (cm-scale) burrows filled with glauconitic silt.</p>
2	[Hatched pattern]	2				P	10YR 3/2	
3	[Hatched pattern]	3				S		
4	[Hatched pattern]	4				P	10YR 3/1	
5	[Hatched pattern]	5				S		
6	[Hatched pattern]	6				S		
7	[Dotted pattern]	7				P	5Y 3/1	
8	[Hatched pattern]	6	S	5Y 3/2				
9	[Hatched pattern]	7	P S	5Y 5/2				
		CC			M			



SITE 904 HOLE A CORE 33X

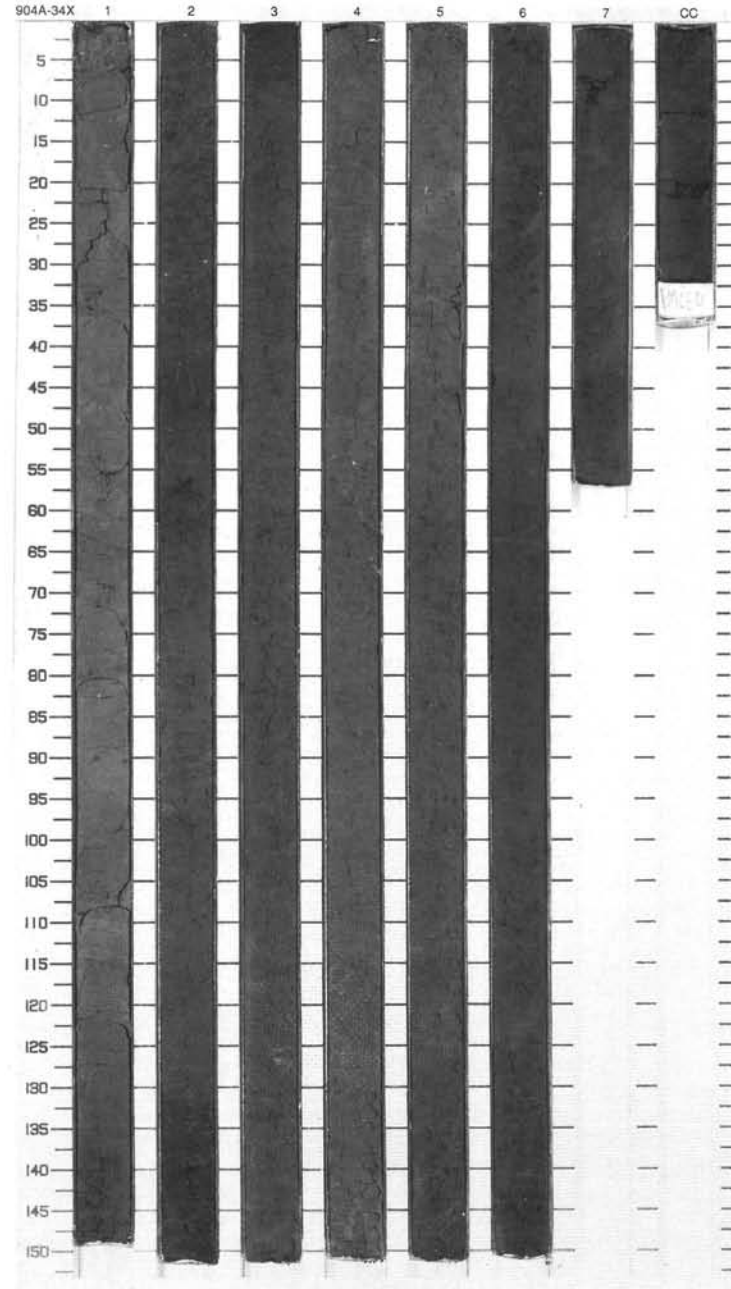
CORED 298.8 - 308.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Symbol]	1		[Symbol]		S		<p>CLAYEY SILT and GLAUCONITIC CLAYEY SILT</p> <p>Major Lithologies: Slightly to heavily bioturbated, light olive gray to olive gray, weakly glauconitic CLAYEY SILT. Planolites are common, some scattered glauconite grains fill burrows. Zoophycos also occur in Sections 4 and 5 in slightly darker zones. Numerous shell fragments occur throughout. GLAUCONITIC CLAYEY SILT occurs from Section 4, 110 cm to Section 5, 64 cm, to the base of Section 6. Large burrows (cm-scale) occur in this interval. Biogenic remains consist of nannofossils (20% to 35%) and diatoms (5% to 15%).</p> <p>Minor Lithology: GLAUCONITIC SILT with large burrows (Planolites, cm-scale) occurs in Section 7. Less glauconite than above. A darker band occurs in Section 2, 60-90 cm.</p>
2	[Symbol]	2		[Symbol]		P	5Y 5/2	
3	[Symbol]	3		[Symbol]		S		
4	[Symbol]	3		[Symbol]		D	5Y 4/3	
5	[Symbol]	4	early Miocene	[Symbol]		S	5Y 4/2	
6	[Symbol]	5		[Symbol]		S	10Y 4/2	
7	[Symbol]	5		[Symbol]		P		
8	[Symbol]	6		[Symbol]		S	5Y 3/2 To 5Y 4/2	
9	[Symbol]	7		[Symbol]		P	5Y 5/2	
	[Symbol]	CC		[Symbol]		M		



SITE 904 HOLE A CORE 34X CORED 308.4 - 317.8 mbsf

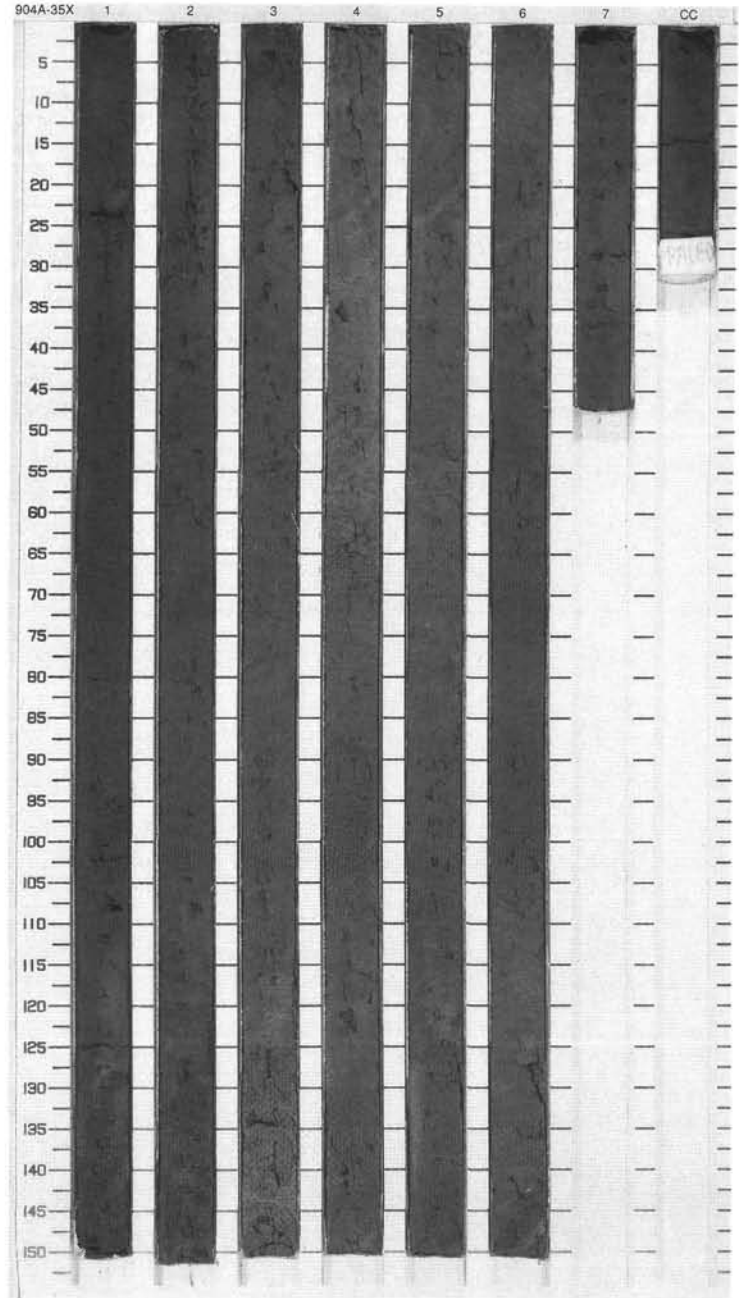
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	early Miocene	[Symbol]	W	S	5Y 5/2	<p>CLAYEY SILT, GLAUCONITIC CLAYEY SILT, SILTY CLAY and GLAUCONITIC SILTY CLAY</p> <p>Major Lithologies: Section 1 consists of brownish gray, moderately bioturbated CLAYEY SILT with scattered foraminifers and glauconite grains throughout. Glauconite is concentrated in burrows (Planolites). GLAUCONITIC CLAYEY SILT occurs at the base of the Section, the contact being gradational. Section 2 is composed of moderately bioturbated SILTY CLAY (55-132 cm), GLAUCONITIC SILTY CLAY (23-55 and 132-150 cm) and GLAUCONITIC CLAYEY SILT with sand-sized quartz grains at base (0-23 cm). These lithologies are separated by gradational contacts. Small Skolithos burrows occur between 20 and 55 cm. Sections 3, 5, and 6 consist of GLAUCONITIC CLAYEY SILT with scattered foraminifers. Planolites are recognizable throughout Section 6.</p> <p>Minor Lithology: Section 4 and Section 7 are composed of moderately bioturbated GLAUCONITIC SILT. Glauconite decreases from the top to the base of Section 4 which contain also scattered foraminifers. Skolithos occurs in Section 4, 140-150 cm.</p>
2	[Pattern]	2		S		5Y 3/2 To 5Y 4/2		
3	[Pattern]	3		S		5Y 3/1		
4	[Pattern]	3		P		5Y 3/1 To 5Y 4/2		
5	[Pattern]	4		S		5Y 4/2		
6	[Pattern]	4		P		5Y 4/2		
7	[Pattern]	5		S		5Y 4/2		
8	[Pattern]	6	late Oligocene	[Symbol]	W	S	5Y 3/2	
9	[Pattern]	7		P		5Y 3/2		
CC	[Pattern]	CC		S		5Y 3/2		
						M		



SITE 904 HOLE A CORE 35X

CORED 317.8 - 327.2 mbsf

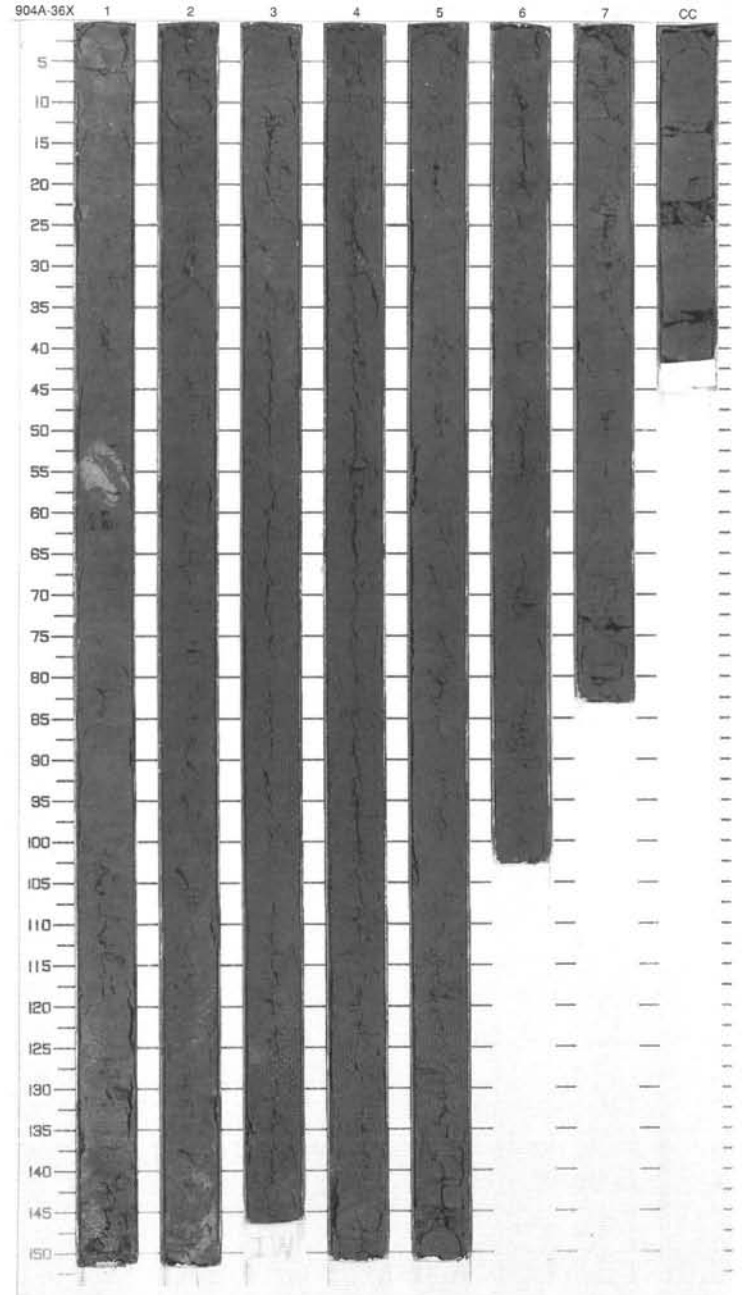
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Oligocene	⊗		S	5Y 3/2	<p>GLAUCONITIC SILTY CLAY and GLAUCONITIC CLAYEY SILT</p> <p>Major Lithologies: The whole core consists of dark greenish gray to olive-gray, moderately bioturbated GLAUCONITIC SILTY CLAY and GLAUCONITIC CLAYEY SILT. Glauconite (silt-sized grains) is particularly abundant in Sections 1, 2, 7, and CC.</p>
2	[Hatched pattern]	2		⊗		S		
3	[Hatched pattern]	3		⊗		S		
4	[Hatched pattern]	3		⊗		P D	5Y 3/1	
5	[Hatched pattern]	4		⊗		S		
6	[Hatched pattern]	5		⊗		S		
7	[Hatched pattern]	5		⊗		P	5Y 4/2	
8	[Hatched pattern]	6		⊗		S		
9	[Hatched pattern]	7		⊗		P S	5Y 3/1	
	[Hatched pattern]	CC		⊗		M		



SITE 904 HOLE A CORE 36X

CORED 327.2 - 336.5 mbsf

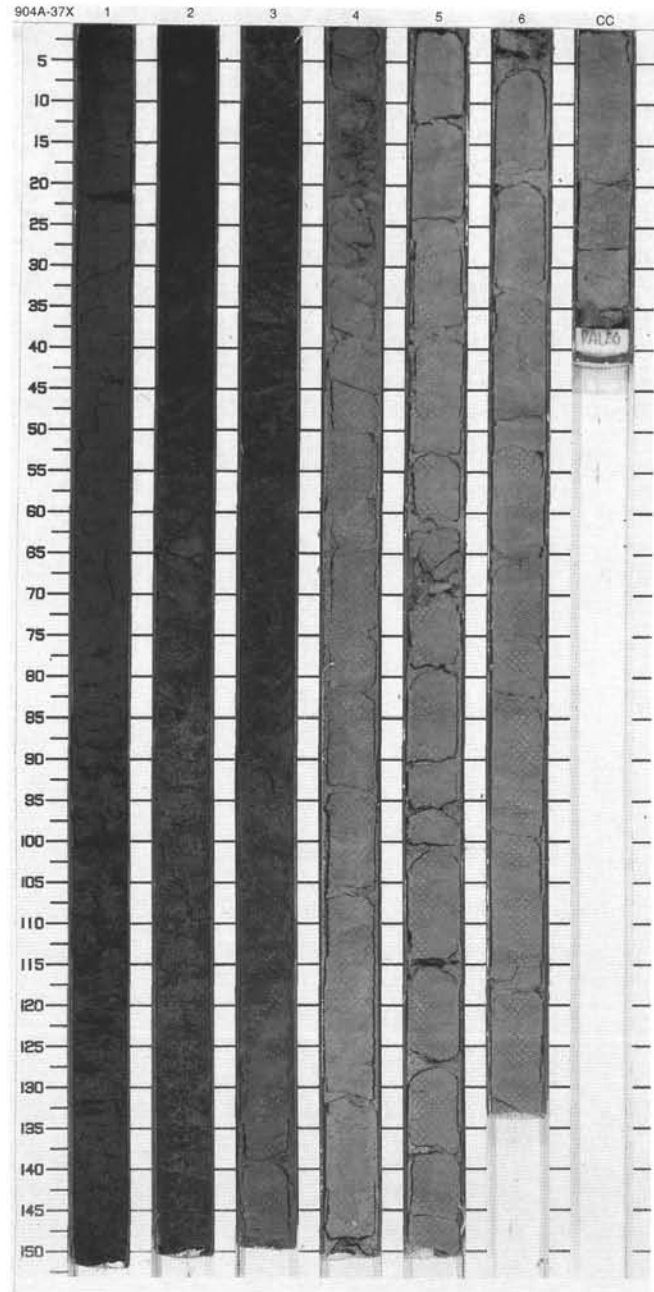
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Symbol]	1	late Oligocene	[Symbol]	[Symbol]	S	5Y 3/2	<p>SILTY CLAY and CLAYEY SILT</p> <p>Major Lithologies: The whole core consists of dark olive gray, moderately burrowed SILTY CLAY and CLAYEY SILT with abundant silt-sized glauconite grains. Zone (5Y 4/2) at the top of Section 1 is lighter colored because of low disseminated glauconite. A light blue irregular glauconitic concretion occurs in Section 1, 51-58 cm. Smear slides show diatoms, 5%-10% and a few percent of radiolarians.</p>
2	[Symbol]	2		S				
3	[Symbol]	3		P				
4	[Symbol]	3		S				
5	[Symbol]	4		I				
6	[Symbol]	4		S				
7	[Symbol]	5		P				
8	[Symbol]	6		S				
9	[Symbol]	7		S _D				
	[Symbol]	7		P				
	[Symbol]	7		S				
	[Symbol]	CC		M				



SITE 904 HOLE A CORE 37X

CORED 336.5 - 345.8 mbsf

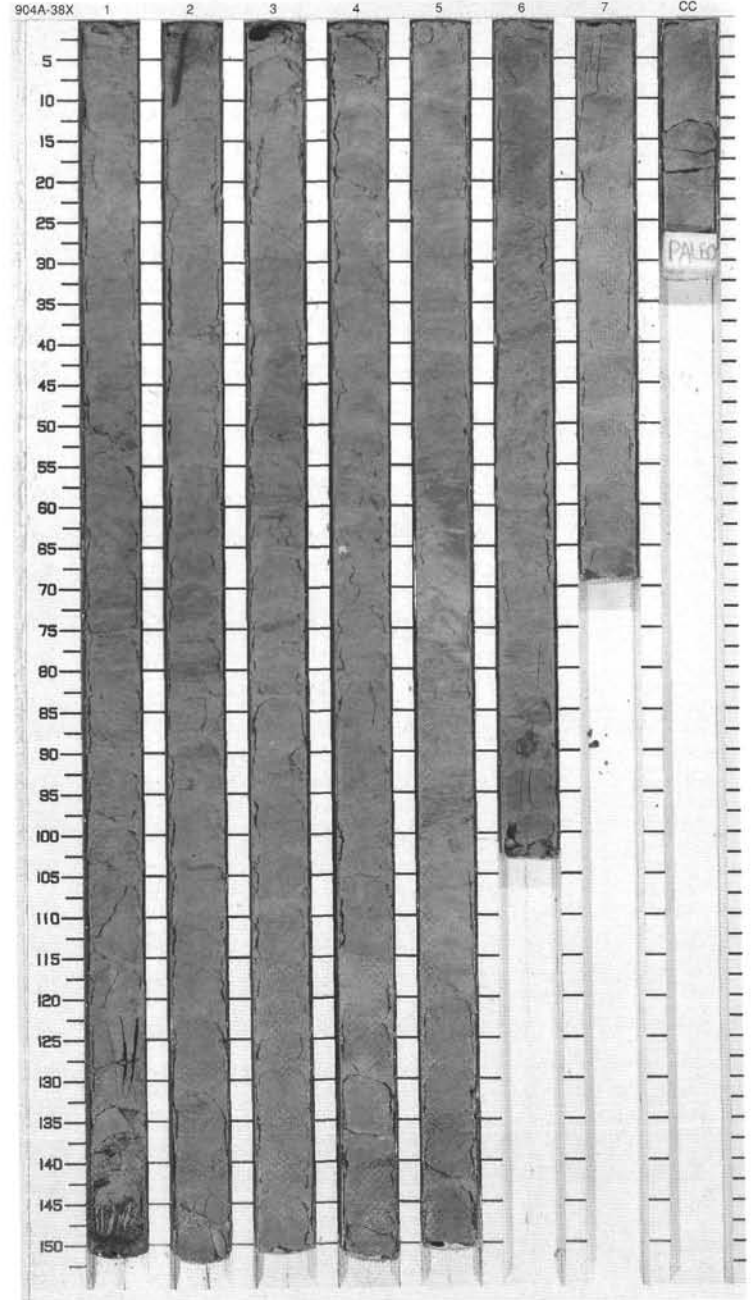
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	late Oligocene	⊗		P S	5Y 4/1	<p>GLAUCONITIC SANDY SILTY CLAY and NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithologies: Olive green gray GLAUCONITIC SANDY SILTY CLAY, slightly to heavily bioturbated. Common silt and sand-sized glauconite disseminated in sediment, becoming very abundant below 75 cm in Section 1 and decreasing in abundance in the basal part of Section 3. Glauconite is very common in burrows in same interval. Below 130 cm in Section 3, sediment is lighter in color (5Y 5/2) with scattered glauconite. Down to 21 cm in Section 4, disturbed, light olive green (5Y 6/1) with common glauconite sand. Unconformable contact with the NANNOFOSSIL CLAYEY CHALK at 21 cm in Section 4. Moderated to heavily bioturbated NANNOFOSSIL CLAYEY CHALK, with rare, small shell fragments and disseminated silt-sized glauconite, slightly concentrated in burrows.</p>
2	[Pattern]	2	late Oligocene	⊗		P S	5Y 3/2	
3	[Pattern]	3	late Oligocene	⊗		P S	5Y 4/2	
4	[Pattern]	4	late Oligocene	⊗		P S	5Y 4/2 To 5Y 5/2	
5	[Pattern]	5	late Eocene	⊗	W	P S		
6	[Pattern]	6	late Eocene	⊗		P S		
7	[Pattern]	7	late Eocene	⊗		P S	10Y 6/2	
8	[Pattern]	8	late Eocene	⊗		P S		
9	[Pattern]	CC		⊗		M		



SITE 904 HOLE A CORE 38X

CORED 345.8 - 355.5 mbsf

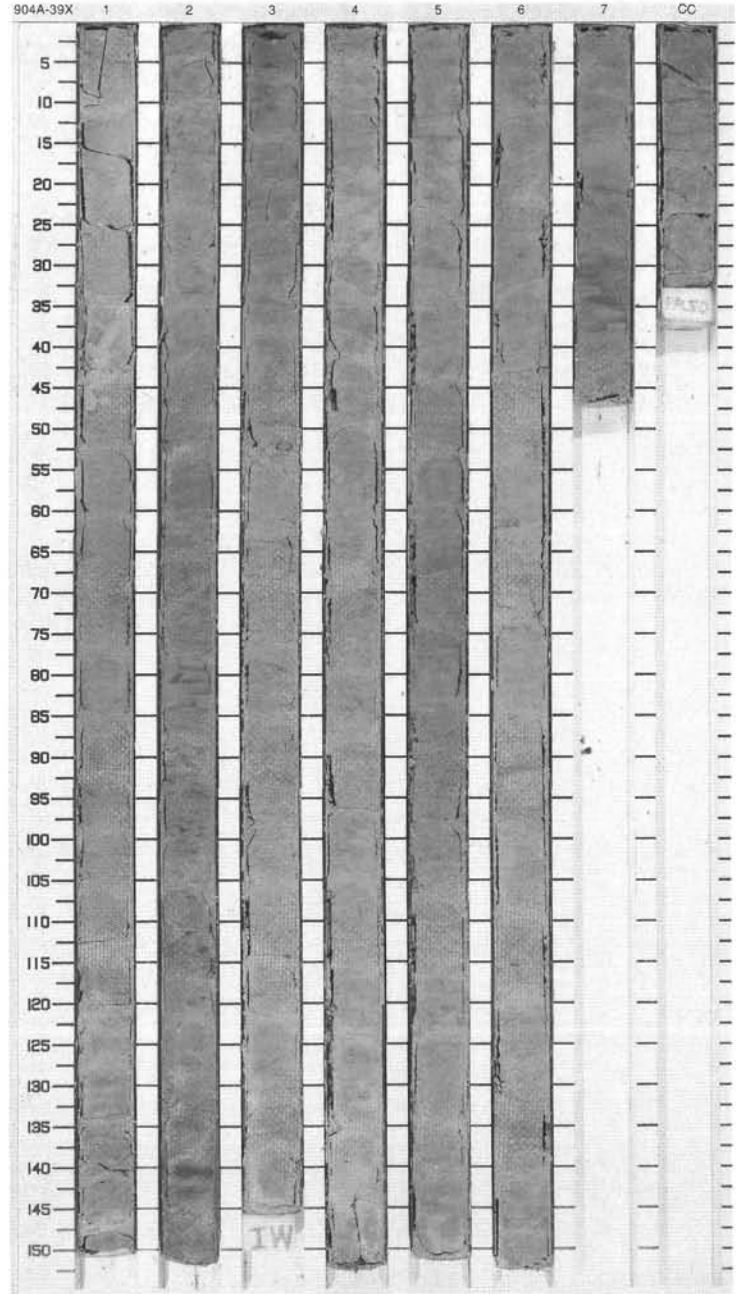
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	~		S		<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: Light greenish gray, moderately to heavily bioturbated NANNOFOSSIL CLAYEY CHALK with very minor silt-sized glauconite disseminated throughout.</p>
2	[Pattern]	2	~		P		
3	[Pattern]	3	~		S		
4	[Pattern]	3	~		P		
5	[Pattern]	late Eocene	~		D	10Y 6/2 To 10Y 6/1	
6	[Pattern]	4	~		P		
7	[Pattern]	5	~		S		
8	[Pattern]	6	~		P		
9	[Pattern]	7	~		S		
		CC			M		



SITE 904 HOLE A CORE 39X

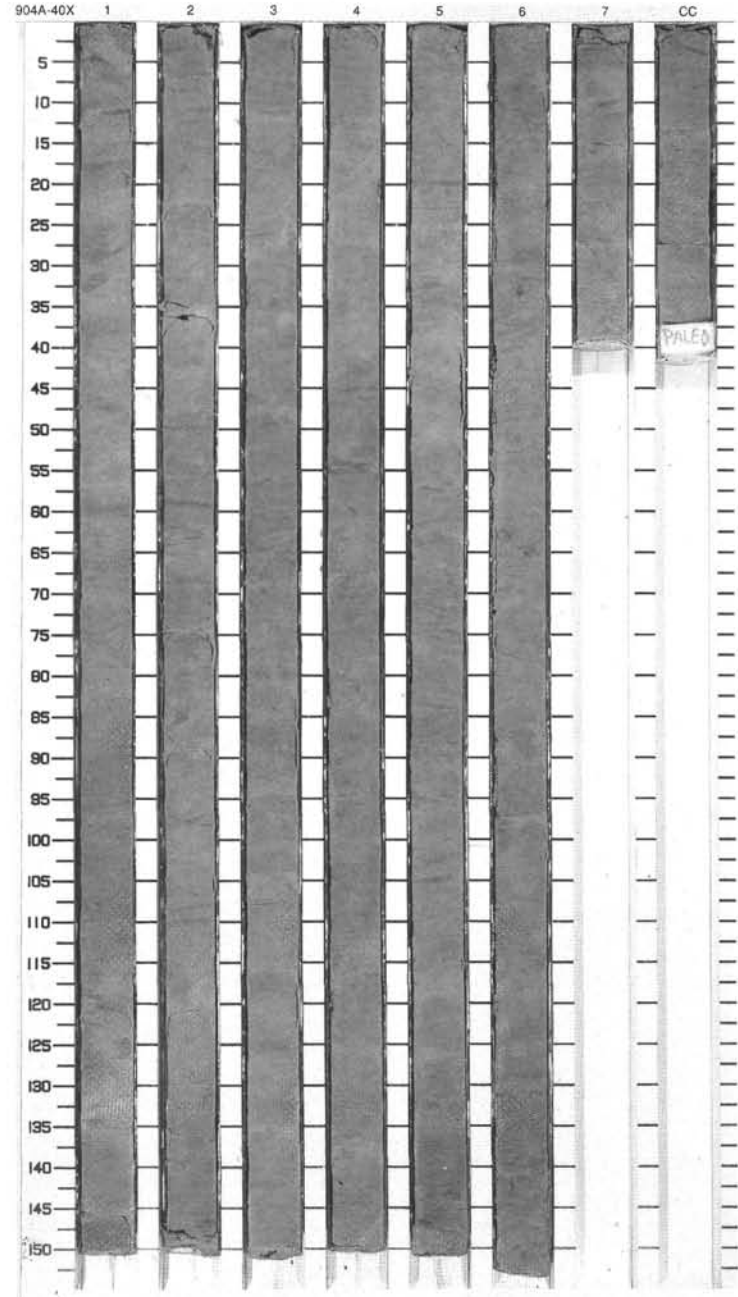
CORED 355.5 - 365.1 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	~		S		NANNOFOSSIL CLAYEY CHALK Major Lithology: Light greenish gray, slightly to heavily bioturbated NANNOFOSSIL CLAYEY CHALK.
2	[Hatched pattern]	2	~		P D		
3	[Hatched pattern]	3	~		S		
4	[Hatched pattern]	4	~		P		
5	[Hatched pattern]	4	~		I	5GY 6/1	
6	[Hatched pattern]	5	~		S		
7	[Hatched pattern]	7	~		P		
9	[Hatched pattern]	7	~		S		
CC					M		



SITE 904 HOLE A CORE 40X CORED 365.1 - 374.8 mbsf

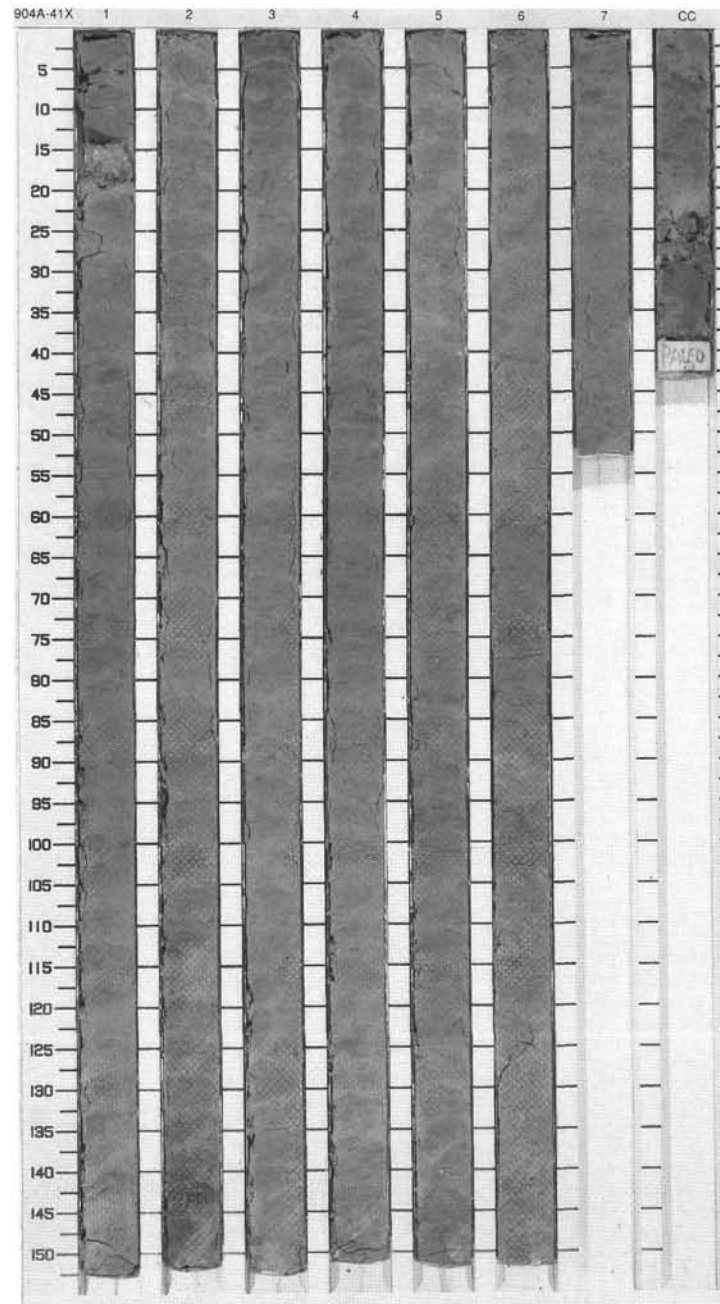
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	~	-	S	5GY 6/1	NANNOFOSSIL CLAYEY CHALK Major Lithology: Light greenish gray, slightly to moderately bioturbated NANNOFOSSIL CLAYEY CHALK.
2		2			P		
3		3			P		
4		3			P D		
5		4			S		
6		5			P		
7		7					
9	CC				M		



SITE 904 HOLE A CORE 41X

CORED 374.8 - 384.4 mbsf

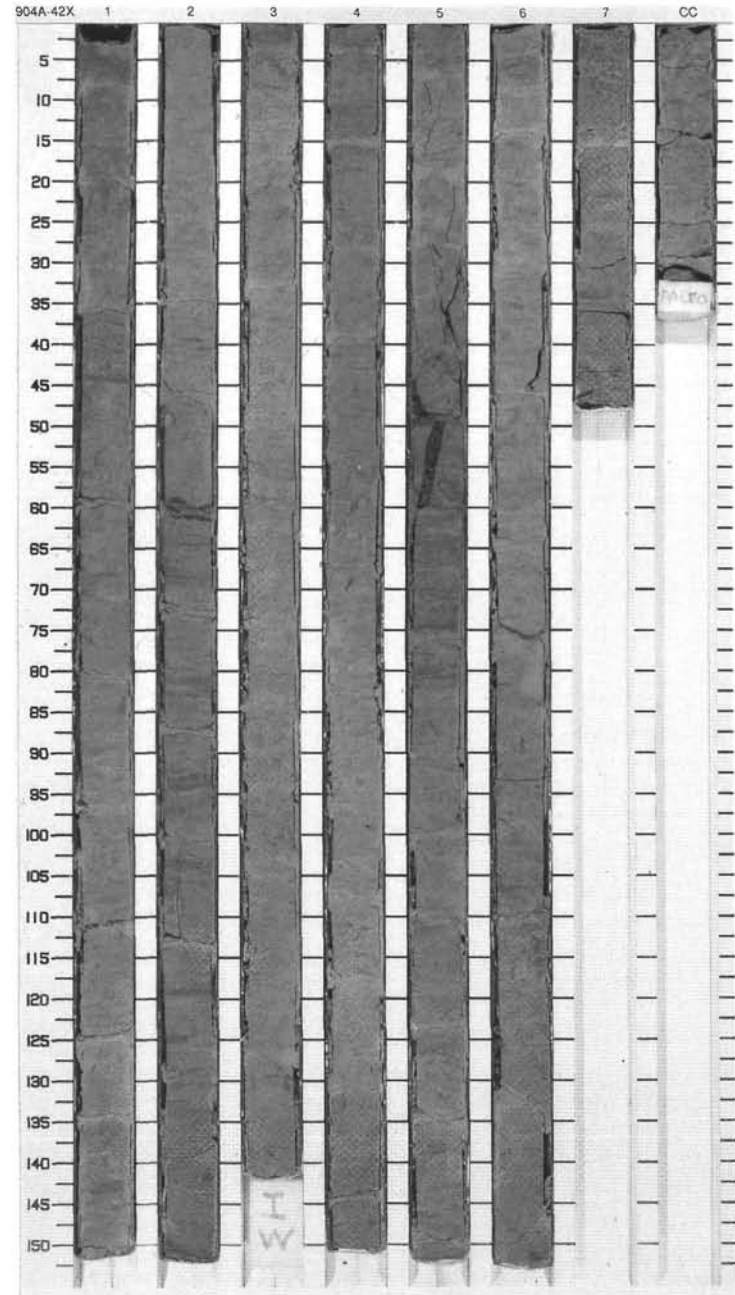
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]			~		S		<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: Light greenish gray, heavily bioturbated NANNOFOSSIL CLAYEY CHALK, with many well-preserved burrows including Chondrites, Planolites, Thalassinoides, Zoophycos and Skolithos. Minor zones of olive gray (10Y 5/2) NANNOFOSSIL CLAYEY CHALK.</p>
2	[Pattern]			~		P		
3	[Pattern]			~				
4	[Pattern]			~		P	D	
5	[Pattern]			~		S	5GY 6/1	
6	[Pattern]			~				
7	[Pattern]			~		P		
8	[Pattern]			~				
9	[Pattern]			~				
				~		M		



SITE 904 HOLE A CORE 42X

CORED 384.4 - 394.1 mbsf

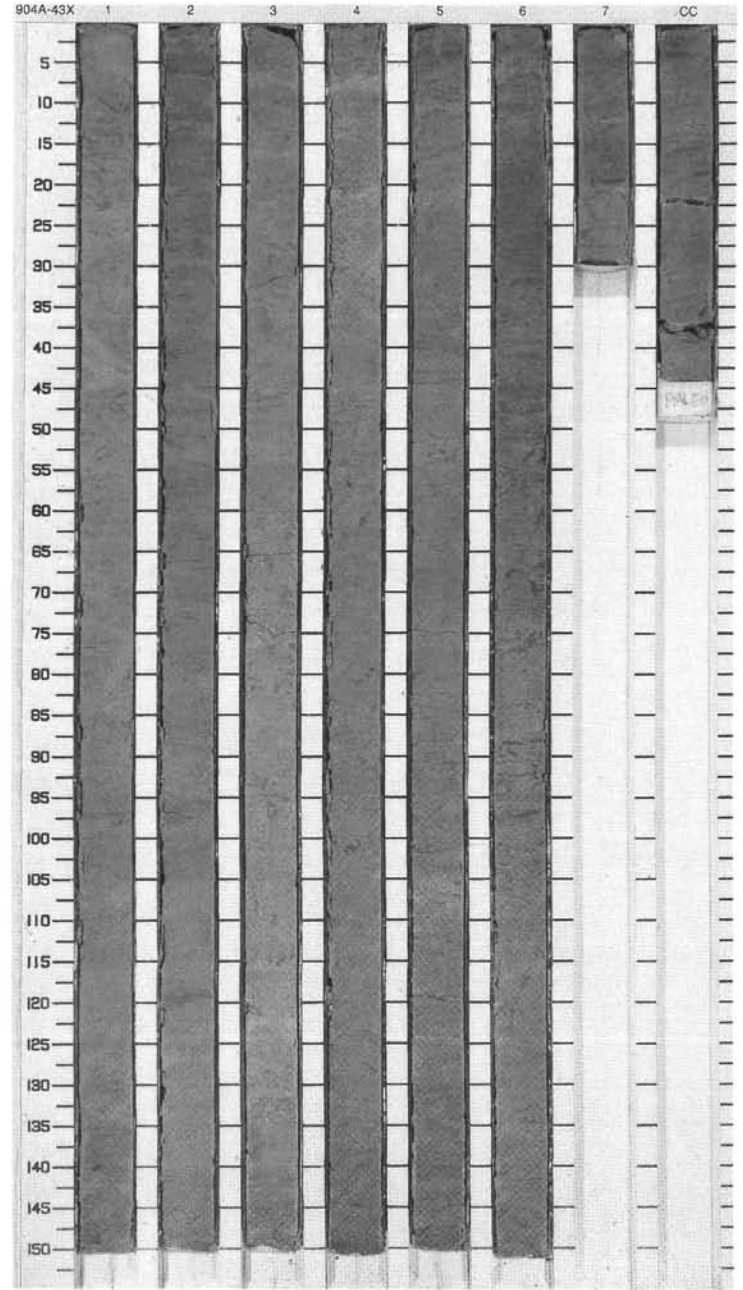
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Brick pattern]	1	late Eocene	[Wavy lines]	-	S	5GY 6/1	NANNOFOSSIL CLAYEY CHALK Major Lithology: Light greenish gray, heavily biotubated, NANNOFOSSIL CLAYEY CHALK. Traces include: Chondrites, Planolites, Thalassinoides, Teichichnus, and Zoophycos; burrow fills are olive gray. Sand-sized pyrite filling burrows? occurs in Section 5, 50-60 cm.
2		P						
3		P						
4		P _D						
5		S						
6		P						
7		P						
8	6	[Wavy lines]	-	-	-	-	-	
9	7							
	CC					M		



SITE 904 HOLE A CORE 43X

CORED 394.1 - 403.8 mbsf

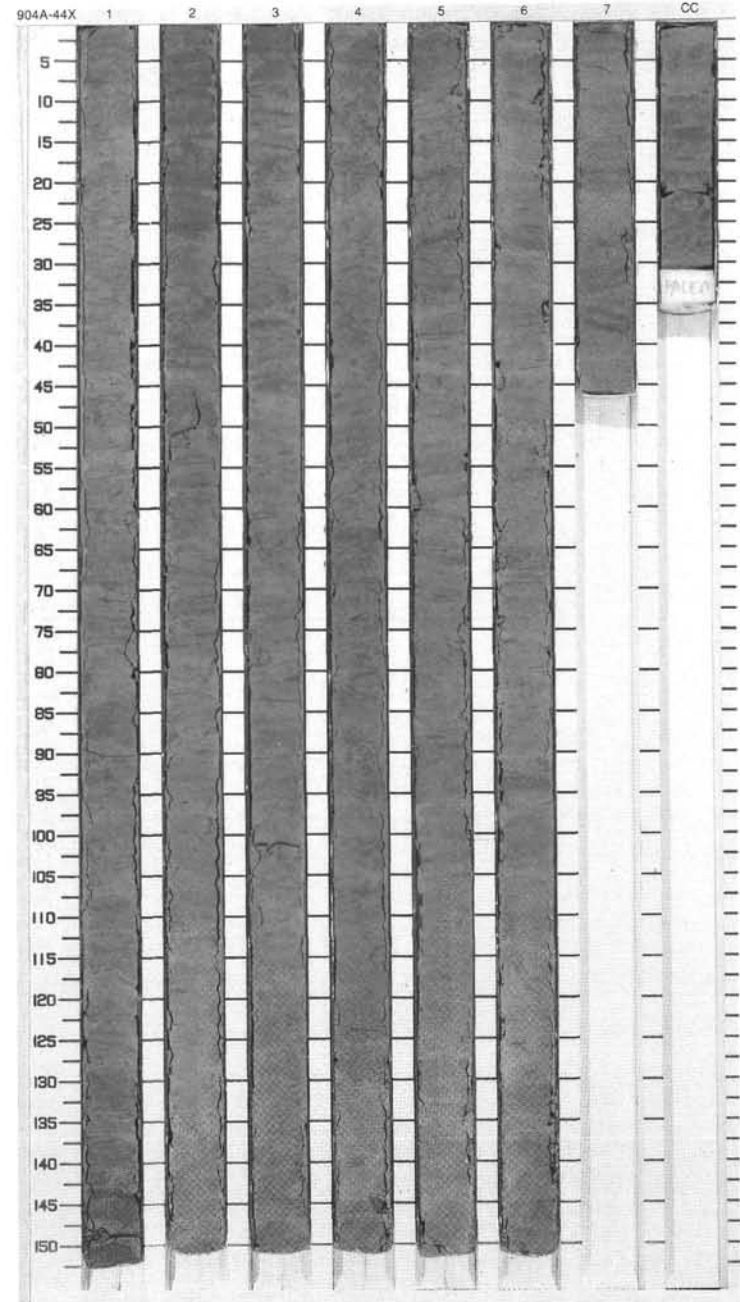
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lithology]	1	late Eocene	»»	-	S	5GY 6/1	NANNOFOSSIL CLAYEY CHALK Major Lithology: Light greenish gray, heavily bioturbated, NANNOFOSSIL CLAYEY CHALK. Burrows include Chondrites, Planolites, Thalassinoides, Teichichnus, and Zoophycos; burrow fills are olive gray.
2	[Graphic Lithology]	2				P		
3	[Graphic Lithology]	3				P		
4	[Graphic Lithology]	3				P D		
5	[Graphic Lithology]	4				S		
6	[Graphic Lithology]	5				P		
7	[Graphic Lithology]	6						
8	[Graphic Lithology]	7						
9	[Graphic Lithology]	CC				M		



SITE 904 HOLE A CORE 44X

CORED 403.8 - 413.4 mbsf

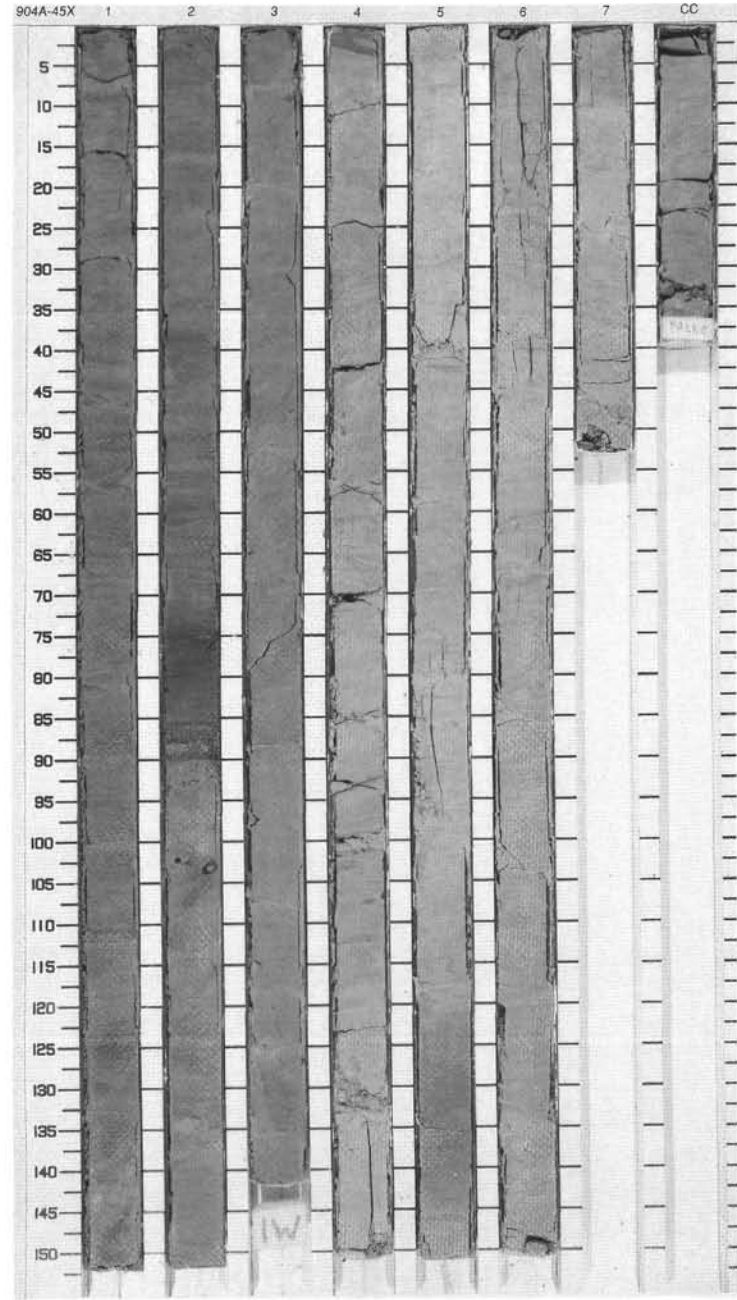
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]			}}		S		<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: Light greenish gray, heavily bioturbated NANNOFOSSIL CLAYEY CHALK. Burrows include Chondrites, Planolites, Thalassinoides, Teichichnus, and Zoophycos.</p>
2	[Pattern]			}}		P		
3	[Pattern]			}}				
4	[Pattern]			}}		P D		
5	[Pattern]		late Eocene	}}		S	5GY 6/1	
6	[Pattern]			}}				
7	[Pattern]			}}		P		
CC	[Pattern]			}}		M		



SITE 904 HOLE A CORE 45X

CORED 413.4 - 423.0 mbsf

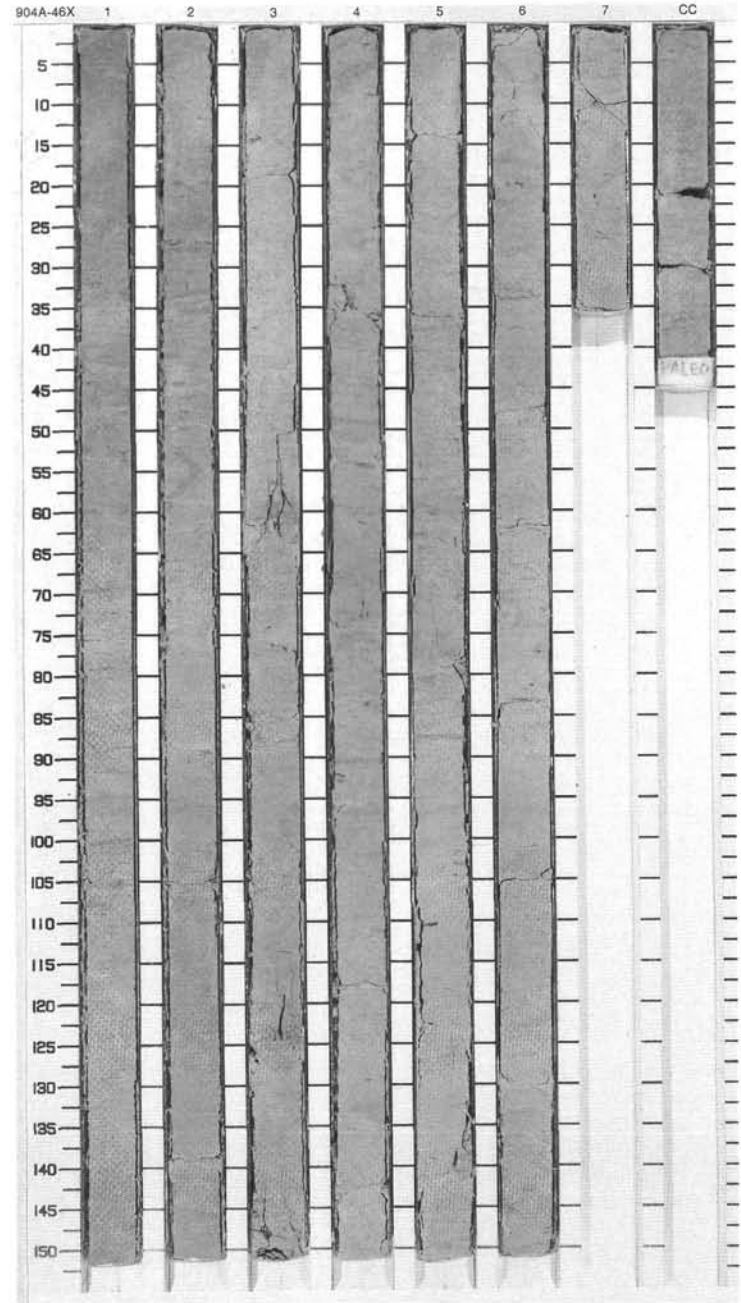
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	late Eocene	[Symbol]		S	5GY 6/1	<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: Light greenish gray NANNOFOSSIL CLAYEY CHALK, moderately to heavily bioturbated in Sections 1, 2, 5, 6, and 7, slightly to moderately bioturbated in lower half of Section 2 and Sections 3 and 4. Burrows include Chondrites, Planolites, Thalassinoides, and Zoophycos. An early formed, burrowed carbonate nodule occurs at 135 cm in Section 2. NANNOFOSSIL CLAYEY CHALK in Sections 3 and 4 deformed by slump folds and normal faults with slickensides. In Section 2, between 74 and 90 cm, a series of thin-graded beds containing microtektites occurs. The basal laminae fines up from granule-sized clasts. This is overlain by a fining-up laminae with coarse sand at the base. The final graded laminae has very fine sand at its base. The sands are heterogeneous with abundant, spherical, coarse sand grains with shiny luster. These sands have an abundant microflora and fauna of diatoms, sponge spicules, radiolarians, foraminifers, and nannofossils. Above the sand laminae are dark gray laminated and cross-laminated silts. Chondrites well developed between 80 and 85 cm. In the NANNOFOSSIL CLAYEY CHALK at 100 cm, two small pebbles and scattered granules occur.</p>
2	[Pattern]	2		[Symbol]		P		
3	[Pattern]	3	[Symbol]		S			
4	[Pattern]	4	[Symbol]		P			
5	[Pattern]	5	[Symbol]		S			
6	[Pattern]	6	[Symbol]		P			
7	[Pattern]	7	[Symbol]		S			
8	[Pattern]	8	middle Eocene	[Symbol]		P		
9	[Pattern]	9		[Symbol]		S		
		CC				M		



SITE 904 HOLE A CORE 46X

CORED 423.0 - 432.5 mbsf

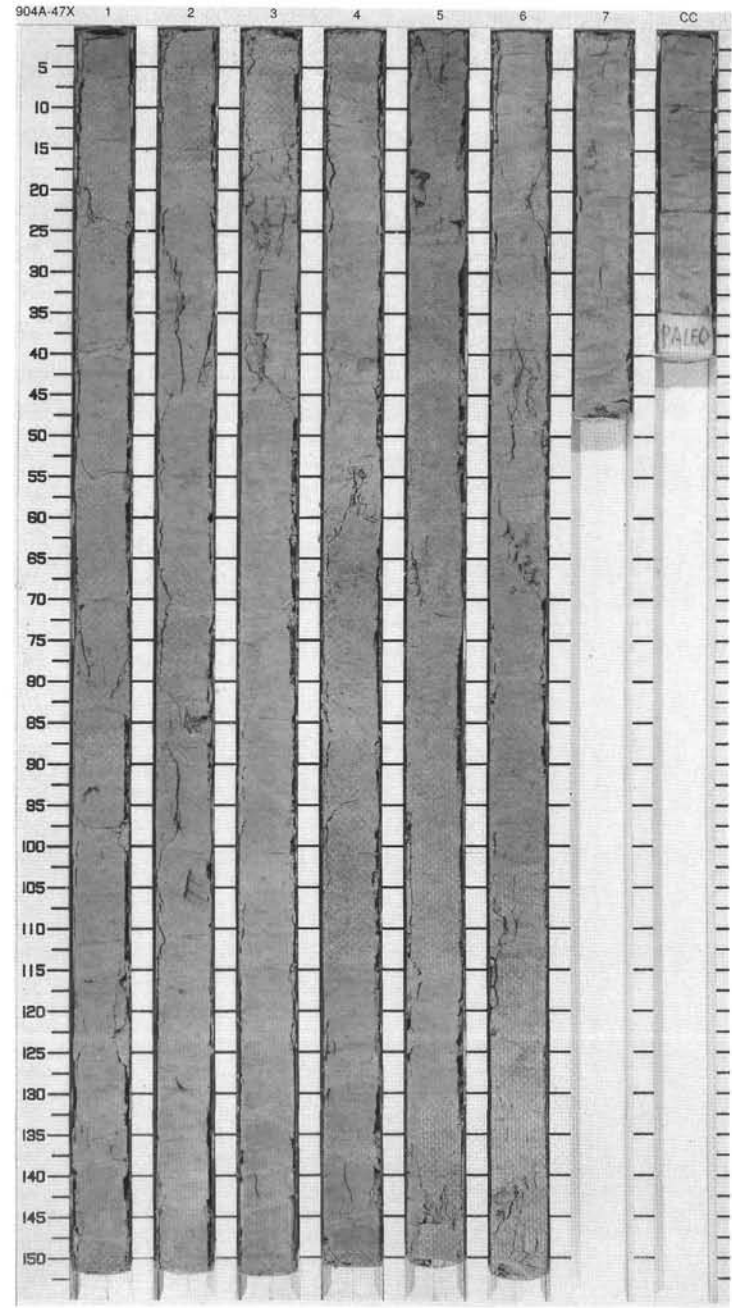
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		}}		S		<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: Light greenish gray (5GY 6/1 to 7/1), moderately to heavily bioturbated NANNOFOSSIL CLAYEY CHALK. Well-preserved trace fossils, which are usually filled with gray to olive gray sediments, abundantly occur and include Chondrites, Planolites, Thalassinoides, Teichichnus, and Zoophycos. Diplocraterion-like burrow is observable at 135 to 145 cm in Section 3 and was cut by the Zoophycos-spreite.</p>
				}}		P		
				}}				
				}}				
				}}				
2	[Pattern]	2		}}				
				}}				
				}}				
				}}				
				}}				
3	[Pattern]	3		}}		P		
				}}				
				}}				
4	[Pattern]	4		}}				
				}}				
5	[Pattern]	5		}}		S	5GY 6/1	
				}}		D		
6	[Pattern]	6		}}				
				}}				
				}}		P		
7	[Pattern]	7		}}				
				}}				
8	[Pattern]	8		}}				
				}}				
9	[Pattern]	9		}}				
				}}				
		CC		}}		M		



SITE 904 HOLE A CORE 47X

CORED 432.5 - 442.0 mbsf

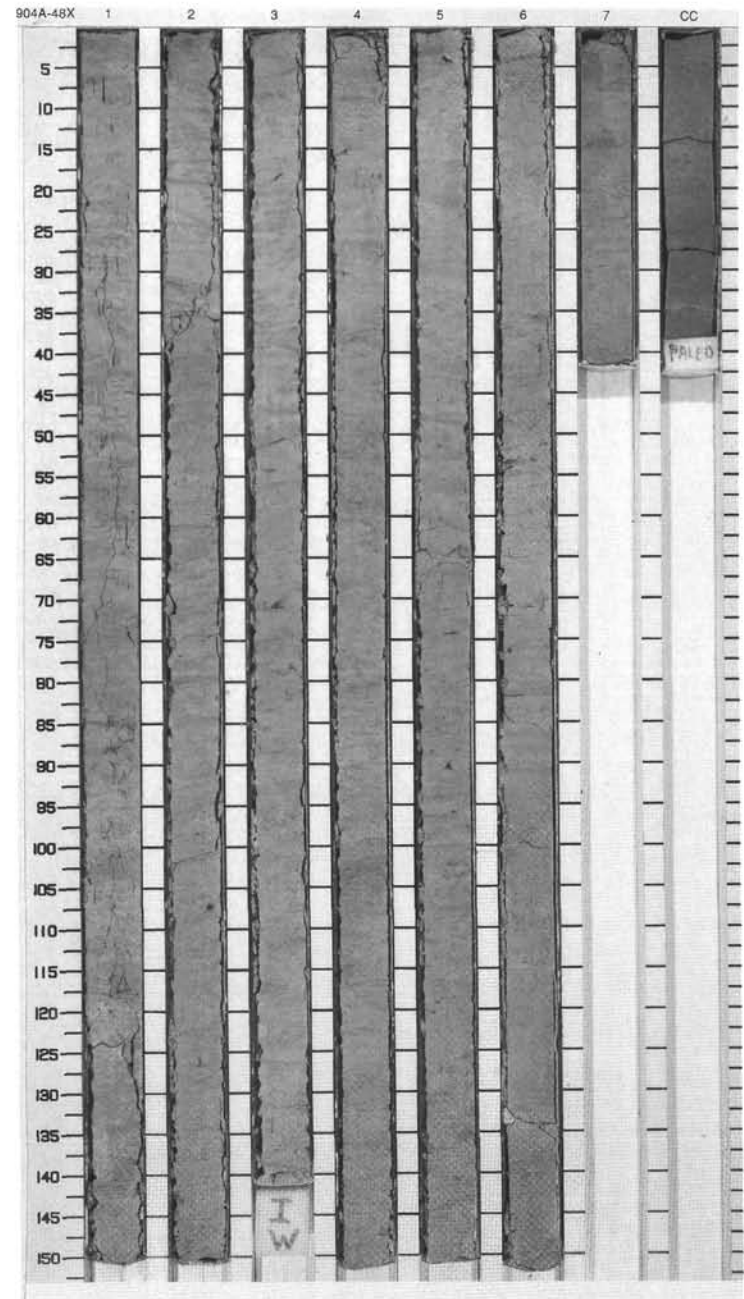
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	~	~		S		<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: Light greenish gray, moderately to heavily bioturbated NANNOFOSSIL CLAYEY CHALK, with minor flakes of organic material. Pyrite occurs as disseminated grains, fracture fills, burrow fills, and small nodules.</p>
2	[Pattern]	2	~	P		P		
3	[Pattern]	3	~	~		P ^D		
4	[Pattern]	4	~	~		S	10GY 7/0	
5	[Pattern]	5	~	~		P		
6	[Pattern]	6	~	~				
7	[Pattern]	7	~	~				
	[Pattern]	CC				M		



SITE 904 HOLE A CORE 48X

CORED 442.0 - 451.5 mbsf

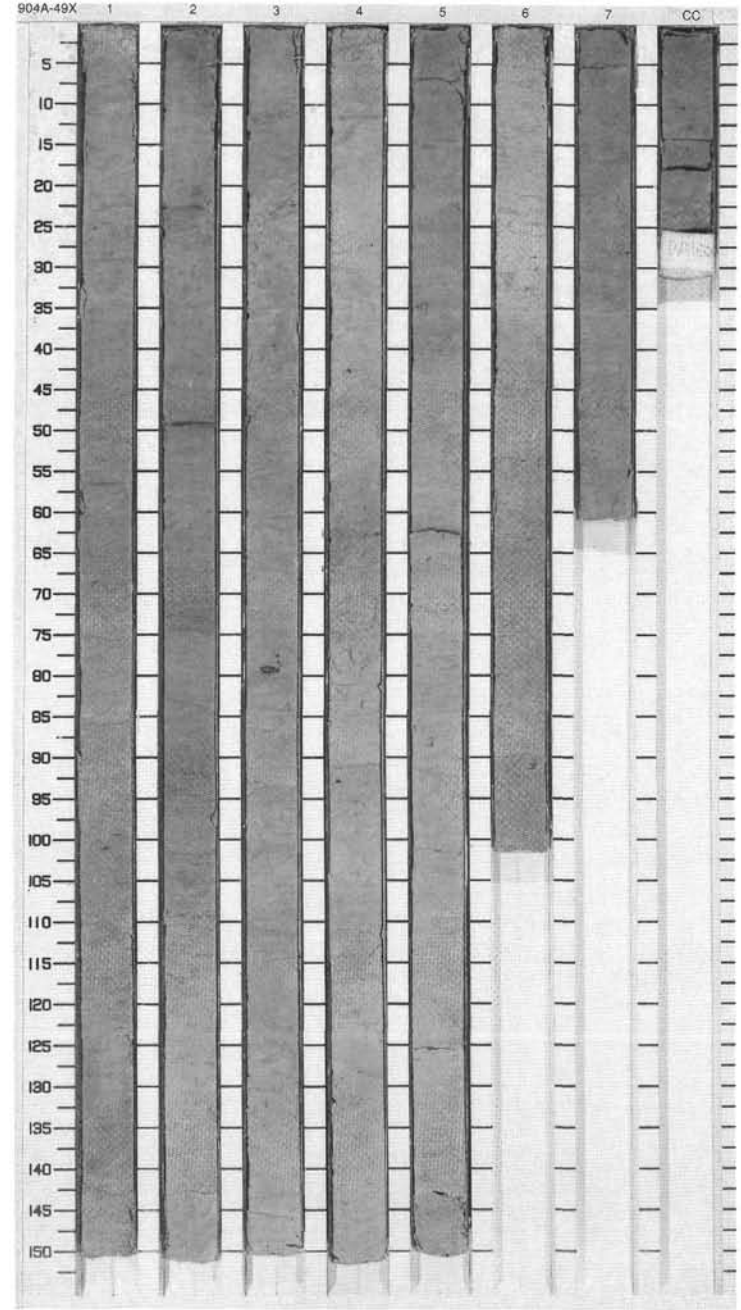
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Brick pattern lithology]	1	middle Eocene	»»		S		<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: Moderately bioturbated, light greenish gray NANNOFOSSIL CLAYEY CHALK. Trace fossils include abundant Chondrites, Planolites, and Zoophycos. Scattered pyrite specks throughout Sections 1 and 2. Occasional cm-scale pyrite nodules in Sections 5 and 6.</p>	
				»»		P			
					»»				
					»»				
					»»				
2				2	»»				
					»»				
					»»				
					»»				
					»»				
3				3	»»				
					»»		P		
4				4	»»		I S		5GY 7/1
					»»				
5		5	»»	(P)					
			»»		P				
6		6	»»	(P)					
			»»						
7		7	»»						
			»»						
8		8	»»						
			»»						
9		9	»»						
			»»						
		CC				M			



SITE 904 HOLE A CORE 49X

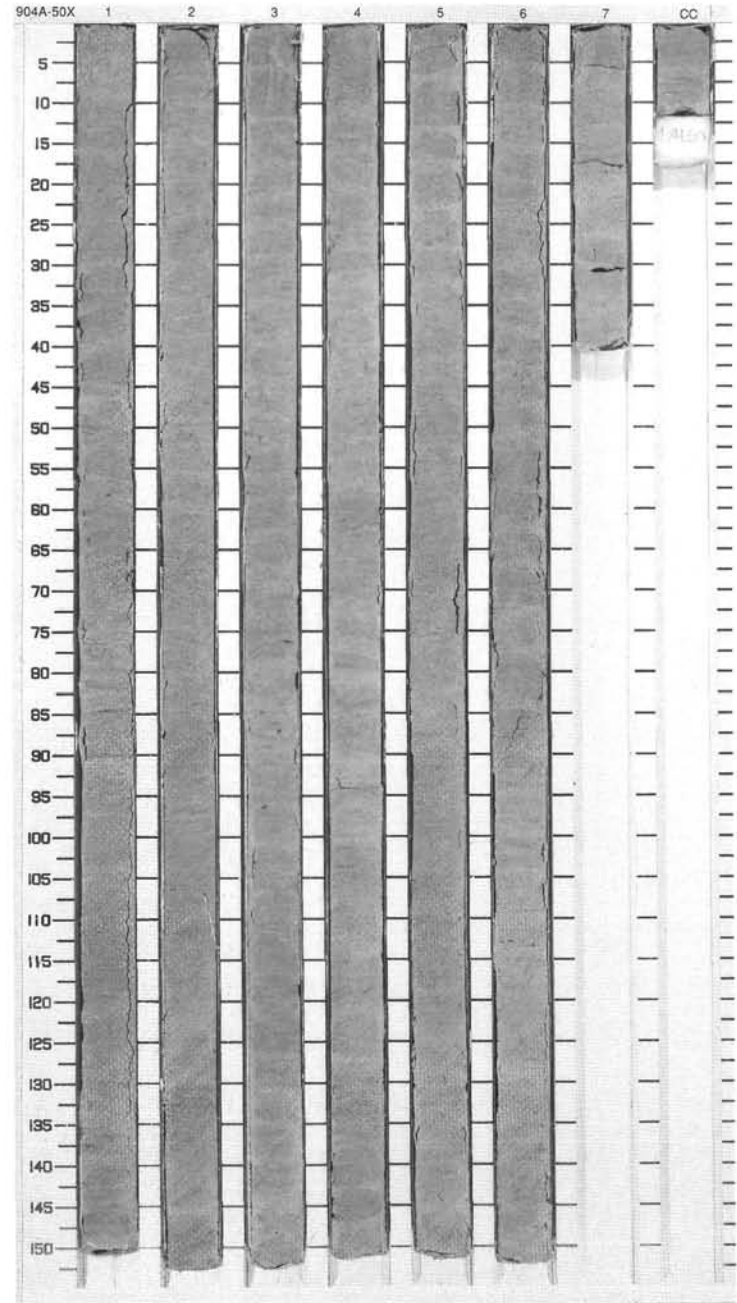
CORED 451.5 - 461.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1		1	middle Eocene	»»» Ⓟ »»»		S	5GY 7/1	NANNOFOSSILS CLAYEY CHALK Major Lithology: Moderately to heavily bioturbated, light greenish gray NANNOFOSSILS CLAYEY CHALK with occasional cm-scale pyrite nodules from Section 3 downward. Trace fossils include Chondrites, Planolites, Thalassinoides, Teichichnus, and Zoophycos.	
2						P			
3						P			
4						»»» Ⓟ »»»	P		5GY 7/1 To 5GY 6/1
5									
6						»»» Ⓟ »»»	P D		5GY 7/1
7									
8						»»» Ⓟ »»»	M		5GY 7/1 To 5GY 6/1
9									
	CC								



SITE 904 HOLE A CORE 50X CORED 461.2 - 470.9 mbsf

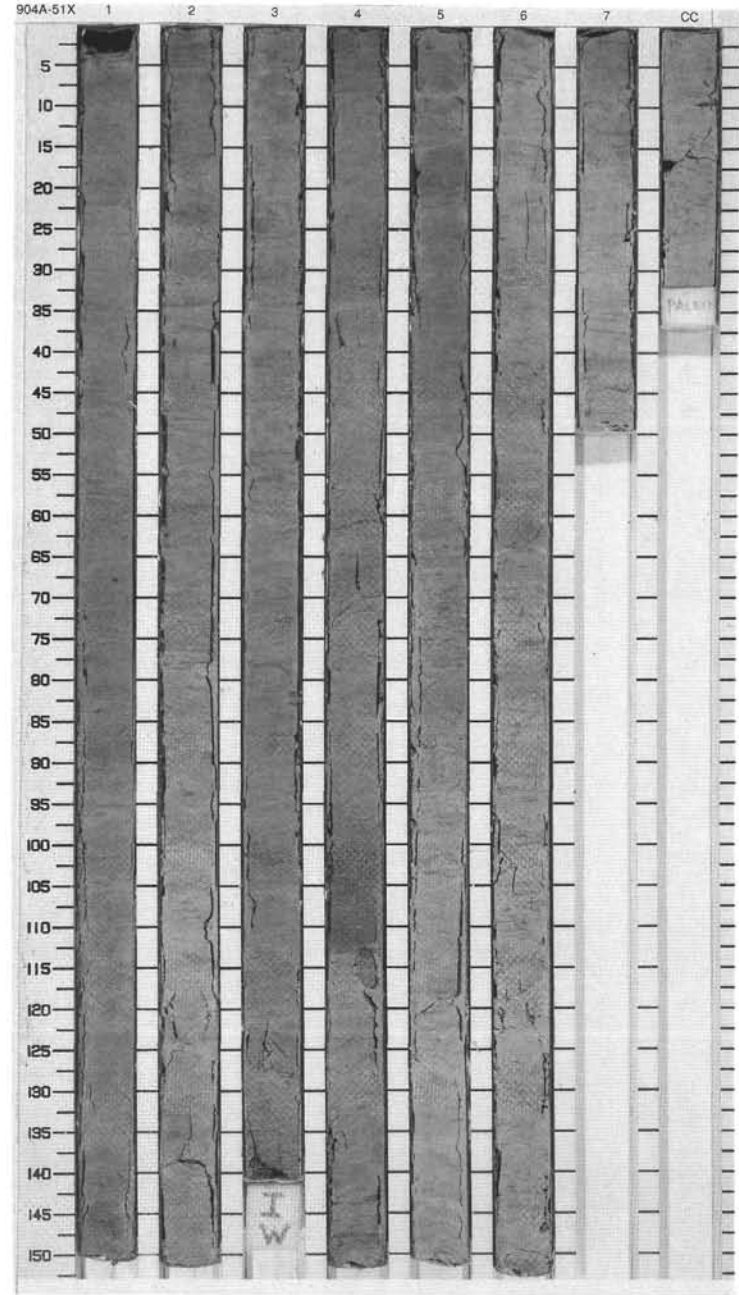
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		⋈ (P) ⋈		P		<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: Light greenish gray, heavily bioturbated NANNOFOSSIL CLAYEY CHALK. Scattered, mm-scale pyrite concretions occur throughout. Chondrites, Planolites, and Zoophycos are common.</p>
2	[Hatched pattern]	2		⋈ ⋈				
3	[Hatched pattern]	3		⋈ ⋈				
4	[Hatched pattern]	3		⋈ (P) ⋈		P		
5	[Hatched pattern]	4	middle Eocene	⋈ ⋈			5GY 6/1	
6	[Hatched pattern]	4		⋈ ⋈				
7	[Hatched pattern]	5		⋈ ⋈		P D		
8	[Hatched pattern]	6		⋈ ⋈				
9	[Hatched pattern]	7		⋈ (P) ⋈				
	[Hatched pattern]	CC		⋈ ⋈		M		



SITE 904 HOLE A CORE 51X

CORED 470.9 - 480.5 mbsf

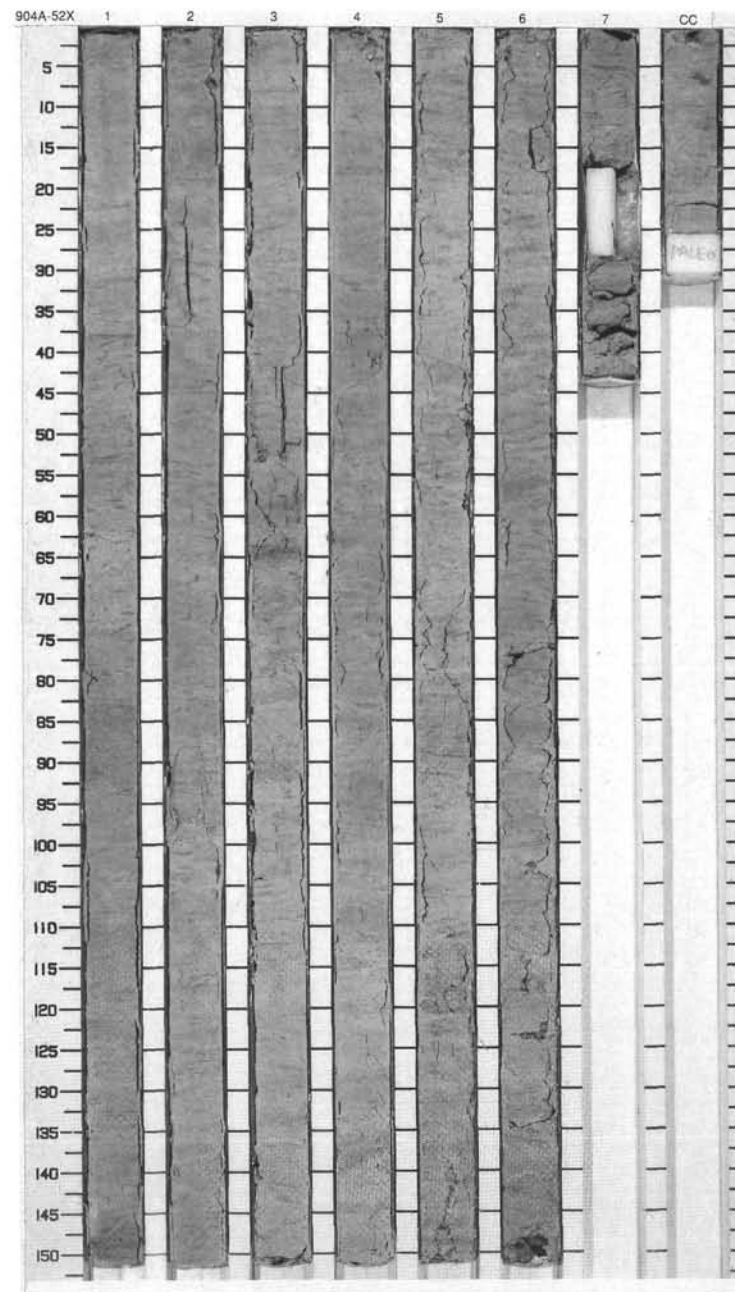
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	»»		S		<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: Heavily bioturbated, light greenish gray NANNOFOSSIL CLAYEY CHALK. Chondrites, Planolites, and Zoophycos are abundant throughout. Thalassinoides and Teichichnus occur in Section 5. Pyrite nodules (mm-scale) are common. A large and thick shell fragment occurs at the base of Section 3. The most striking feature of the core is the occurrence in Section 4, 100–112 cm of a darker interval (5Y 5/1 to 5GY 5/1), slightly bioturbated at the base, moderately bioturbated in the middle part and heavily bioturbated at the top. This interval displays a sharp contact at the base and shows a fining-upward structure.</p>
	[Pattern]		»»		P		
2	[Pattern]	2	»»				
	[Pattern]		»»				
3	[Pattern]	3	»»				
	[Pattern]		»»		P		
4	[Pattern]	4	»»				
	[Pattern]		»»		I		
5	[Pattern]	5	»»		S	5GY 6/1	
	[Pattern]		»»		D		
6	[Pattern]	6	»»				
	[Pattern]		»»		P		
7	[Pattern]	7	»»				
	[Pattern]		»»				
8	[Pattern]	8	»»				
	[Pattern]		»»				
9	[Pattern]	9	»»				
	[Pattern]		»»				
CC	[Pattern]	CC	»»		M		



SITE 904 HOLE A CORE 52X

CORED 480.5 - 490.2 mbsf

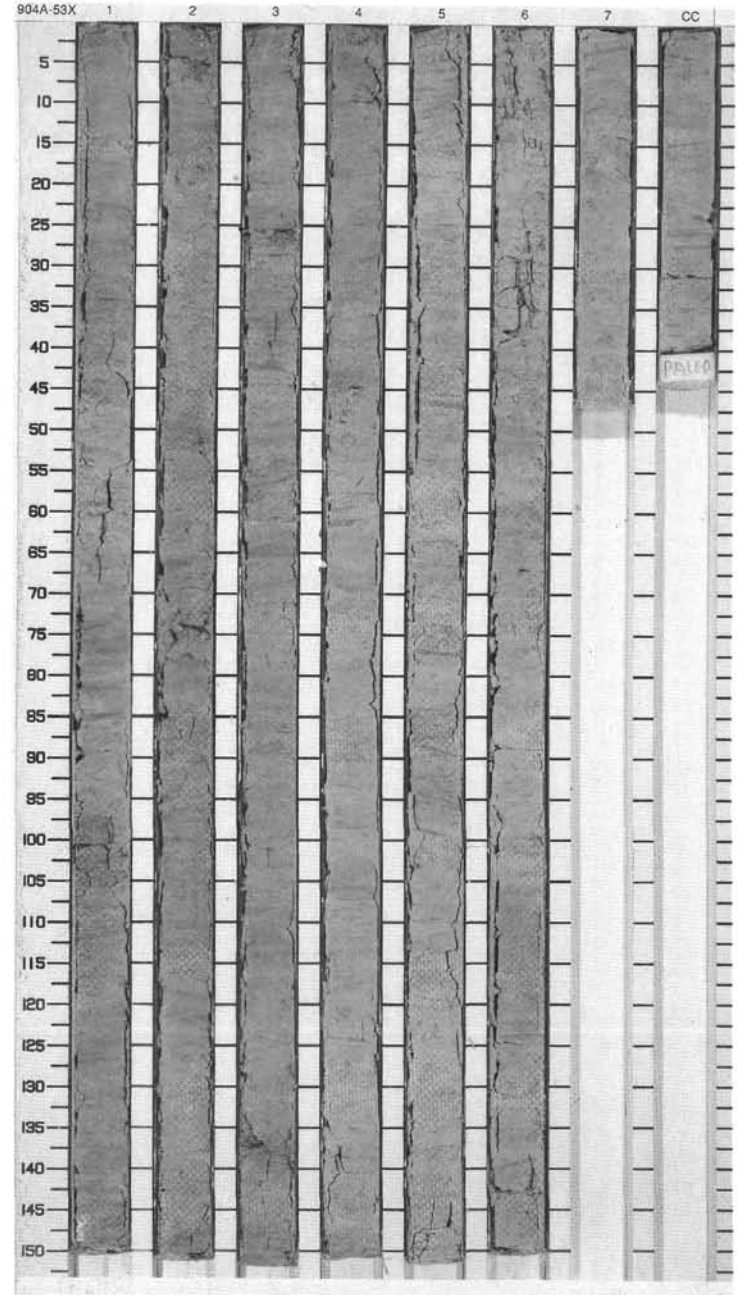
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		»» (P)		S		NANNOFOSSIL CLAYEY CHALK Major Lithology: Heavily bioturbated, light greenish gray NANNOFOSSIL CLAYEY CHALK with occasional mm-scale pyrite nodules. Trace fossils consist mainly of abundant Planolites, Chondrites, and Zoophycos. General Description: Note: Void in Section 7 between 15 and 30 cm. This section is very disturbed.
2		2		»»		P		
3		3		»»		S	5GY 7/1	
4		4		»»		P		
5		5		»»		D		
6		6		»»		P		
7		7		»» (P)		WW		
8		8		»»		M		
9		9		»»				
		CC						



SITE 904 HOLE A CORE 53X

CORED 490.2 - 499.8 mbsf

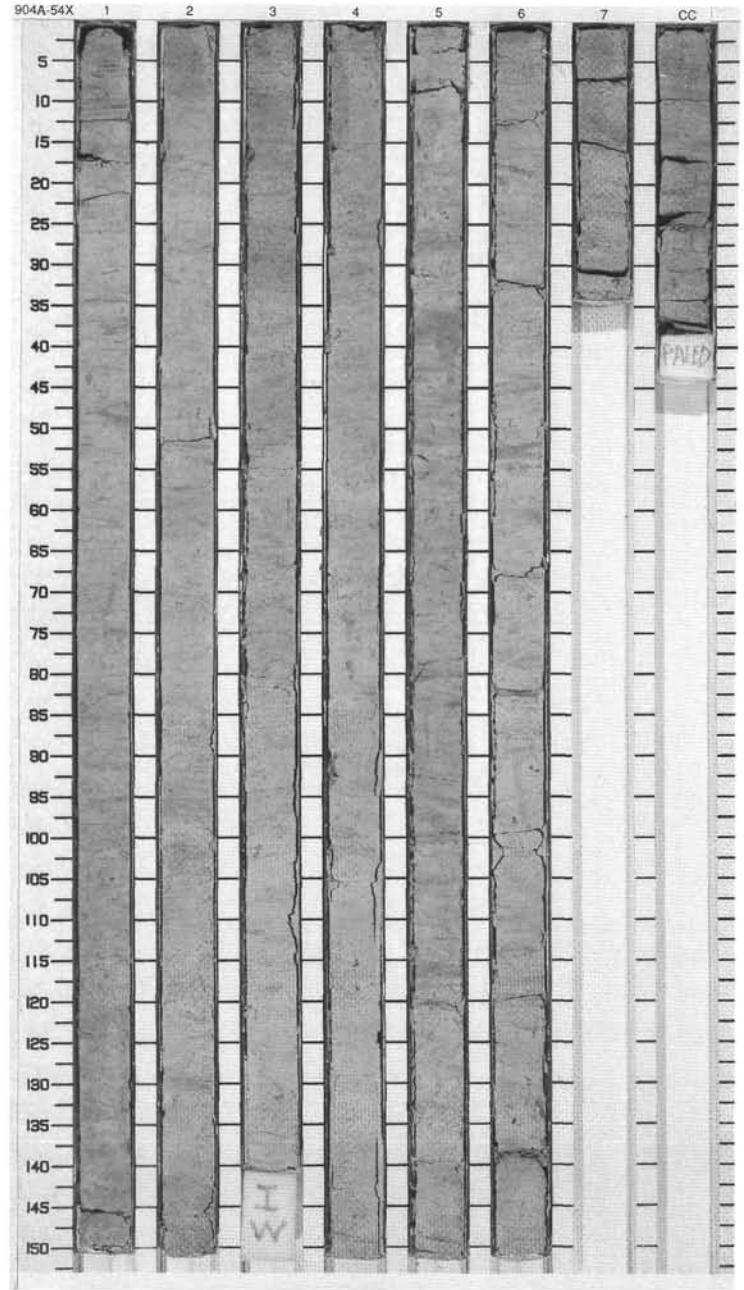
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		}}		S		<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: The core consists of light greenish gray, heavily bioturbated NANNOFOSSIL CLAYEY CHALK. Trace fossils include Chondrites, Zoophycos, and Planolites.</p>
				}}		P		
2	[Hatched pattern]	2		}}				
				}}				
3	[Hatched pattern]	3		}}				
				}}		P		
4	[Hatched pattern]	4	middle Eocene	}}		S	5GY 7/1	
				}}		D		
5	[Hatched pattern]	5		}}				
				}}		P		
6	[Hatched pattern]	6		}}				
				}}				
7	[Hatched pattern]	7		}}				
				}}				
8	[Hatched pattern]	CC		}}		M		



SITE 904 HOLE A CORE 54X

CORED 499.8 - 509.5 mbsf

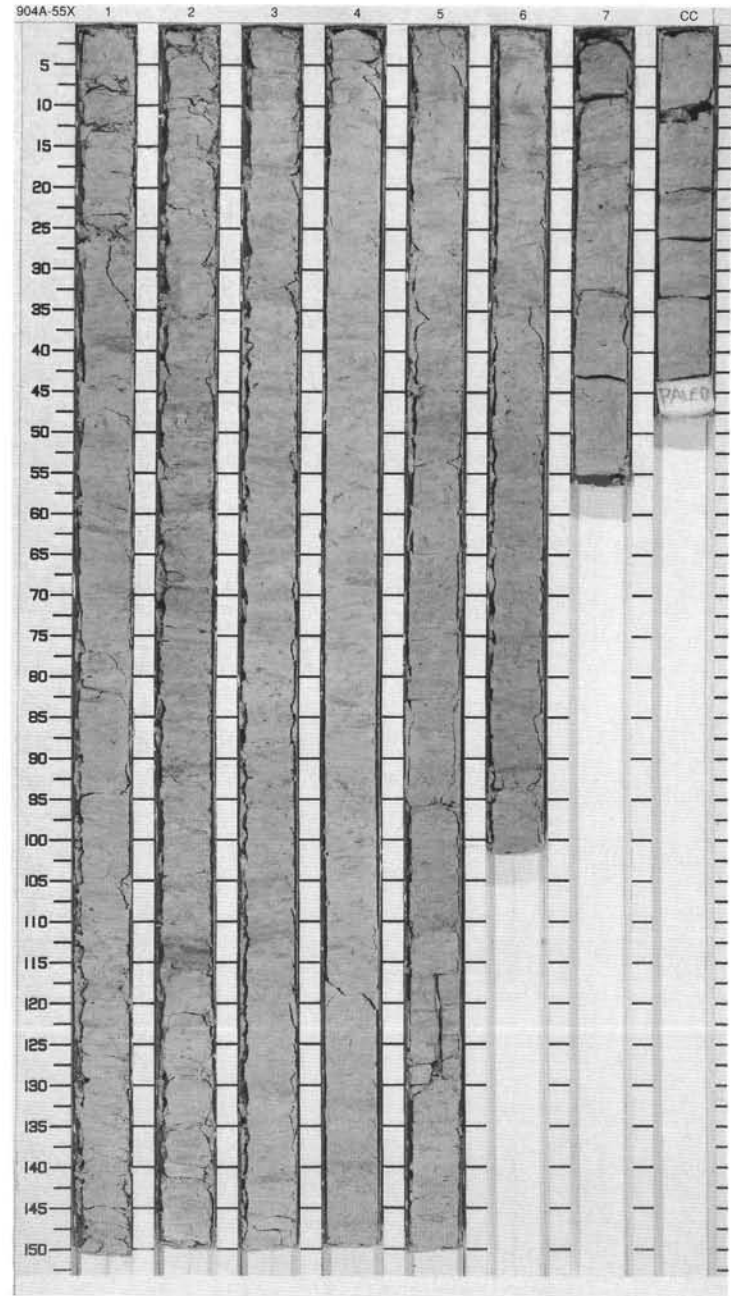
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Brick pattern]	middle Eocene	»»	-	S	5GY 7/1	<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: The whole core consists of light greenish gray, heavily bioturbated NANNOFOSSIL CLAYEY CHALK. Planolites, Chondrites, and Zoophycos are the most common burrows.</p>
2					P		
3					D		
4							
5					S		
6					P		
7					»»		
8							
9	CC						



SITE 904 HOLE A CORE 55X

CORED 509.5 - 518.8 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1	»»» »»» »»» »»» »»» »»» »»» »»» »»»	-	S	5GY 7/1	NANNOFOSSIL CLAYEY CHALK Major Lithology: Light greenish gray, heavily bioturbated NANNOFOSSIL CLAYEY CHALK. Planolites, Chondrites, and Zoophycos are the most common burrows.
2					P		
3					P		
4					P		
5					S		
6					D		
7					P		
8					P		
9					P		
	CC				M		

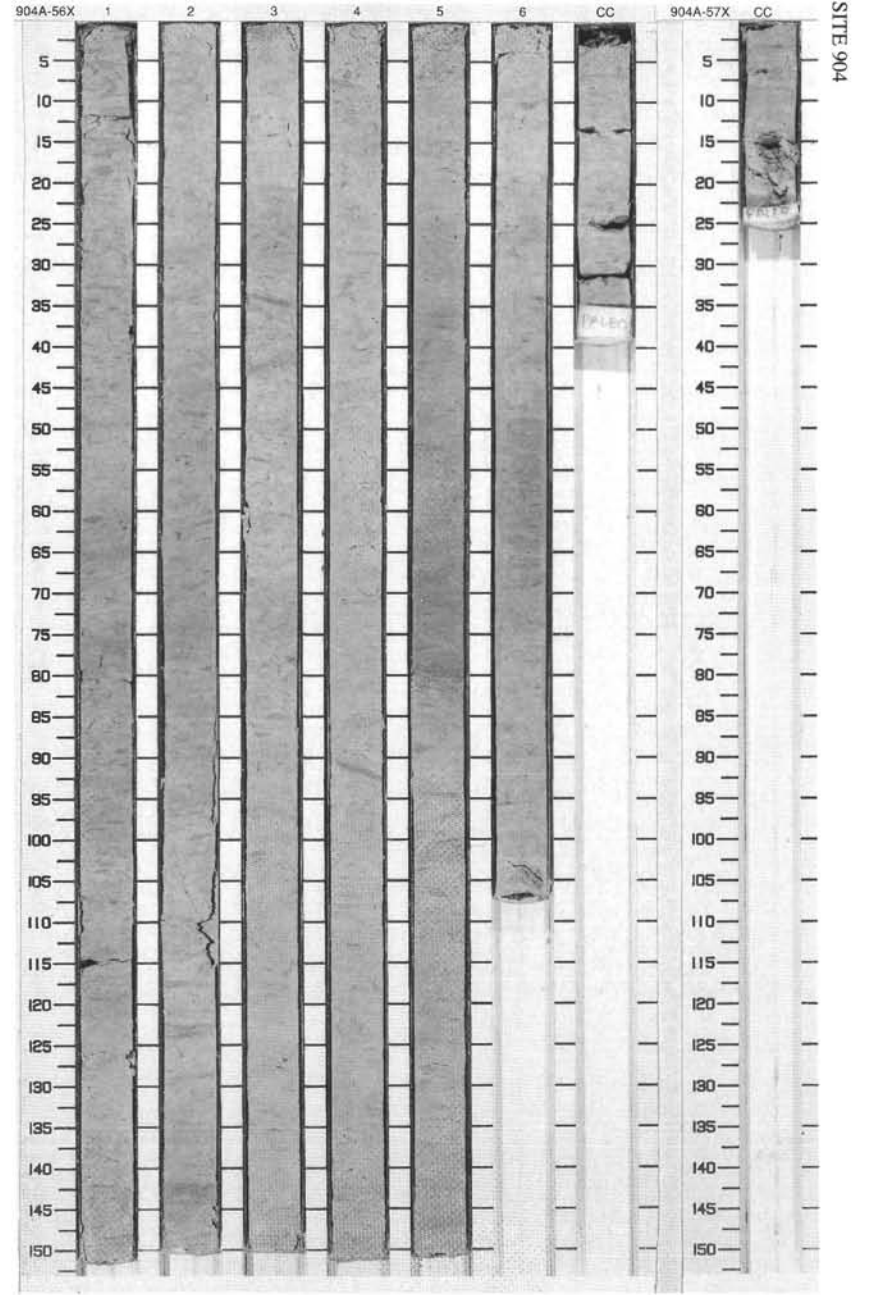


SITE 904 HOLE A CORE 56X CORED 518.8 - 528.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		[Symbol]		S		<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: Light greenish gray NANNOFOSSIL CLAYEY CHALK, heavily bioturbated. Burrow types include Zoophycus, Planolites, and Chondrites.</p>
2	[Pattern]	2		[Symbol]		P		
3	[Pattern]	3		[Symbol]		T		
4	[Pattern]	3		[Symbol]		P D		
5	[Pattern]	4	middle Eocene	[Symbol]		S	5GY 7/1	
6	[Pattern]	5		[Symbol]		P T		
7	[Pattern]	6		[Symbol]				
8	[Pattern]	6		[Symbol]				
	[Pattern]	CC		[Symbol]		M		

SITE 904 HOLE A CORE 57X CORED 528.4 - 529.4 mbsf

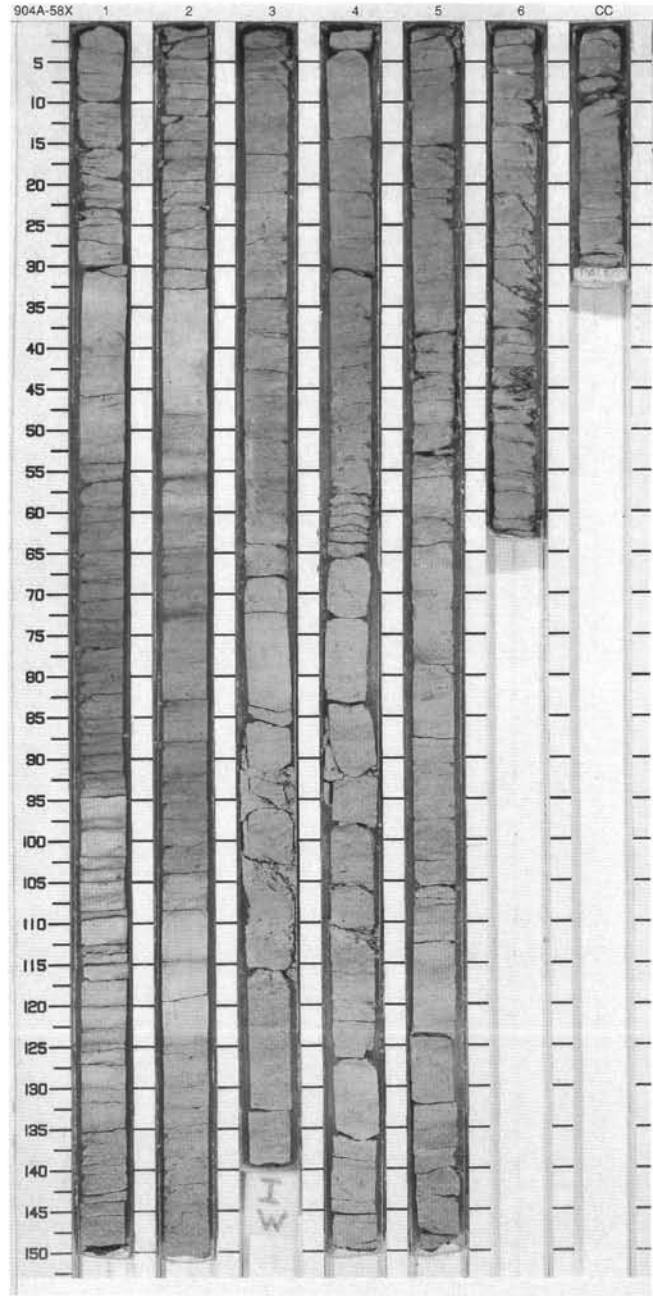
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
	[Pattern]	CC		[Symbol]		M		<p>NANNOFOSSIL CLAYEY CHALK</p> <p>Major Lithology: Light greenish gray (5GY 7/1), heavily bioturbated NANNOFOSSIL CLAYEY CHALK.</p>



SITE 904 HOLE A CORE 58X

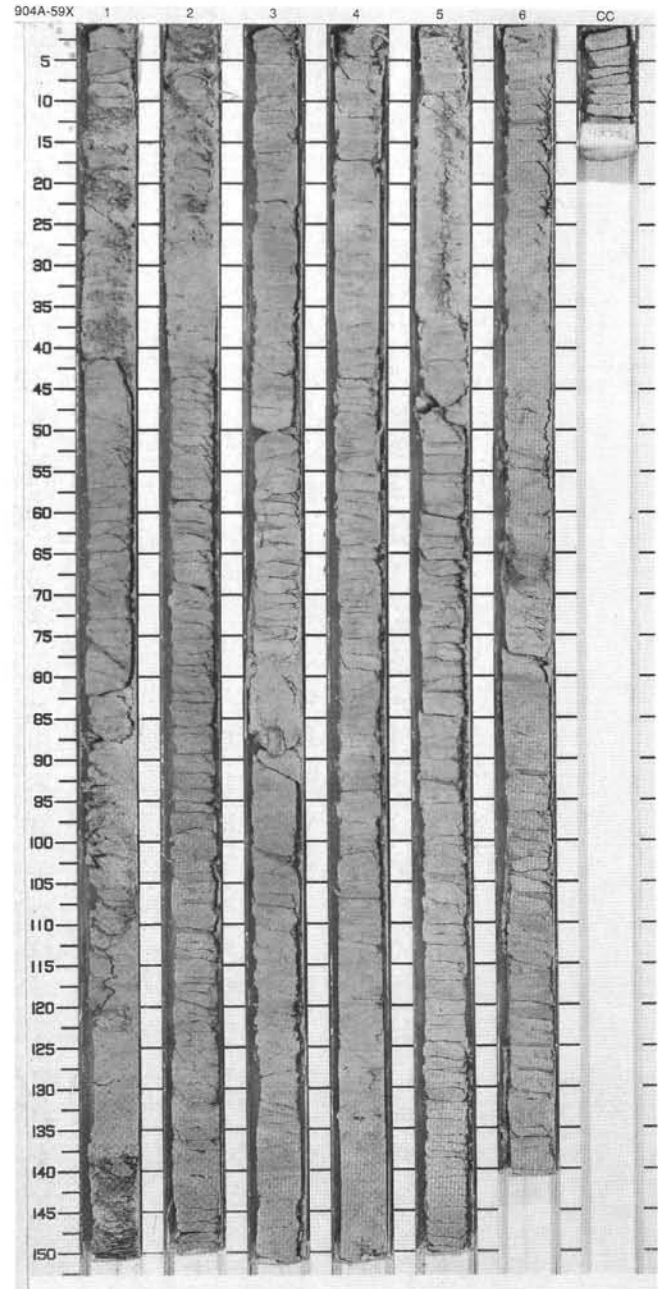
CORED 529.4 - 538.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1				P		PORCELLANITIC NANNOFOSSIL CHALK Major Lithology: Very light greenish gray, moderately to heavily bioturbated PORCELLANITIC NANNOFOSSIL CHALK.
2	[Pattern]	2				T		
3	[Pattern]	3				P		
4	[Pattern]	3				I	5Y 7/1	
5	[Pattern]	4				T		
6	[Pattern]							
7	[Pattern]	5						
8	[Pattern]	6						
	CC					M		



SITE 904 HOLE A CORE 59X CORED 538.0 - 547.7 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Brick pattern]	1	~	~	P	5Y 7/1	<p>PORCELLANITIC NANNOFOSSIL CHALK</p> <p>Major Lithology: Light greenish gray, moderately to highly fractured PORCELLANITIC NANNOFOSSIL CHALK. Less porcellanitic in Section 1. Common fracturing due to drilling deformation.</p>
2	[Brick pattern]	2	~	~			
3	[Brick pattern]	3	~	~	P		
4	[Brick pattern]	4	~	~	T		
5	[Brick pattern]	5	~	~			
6	[Brick pattern]	6	~	~	D		
7	[Brick pattern]		~	~			
8	[Brick pattern]	6	~	~			
9	[Brick pattern]	CC	~	~	M		



SITE 904 HOLE A CORE 60X

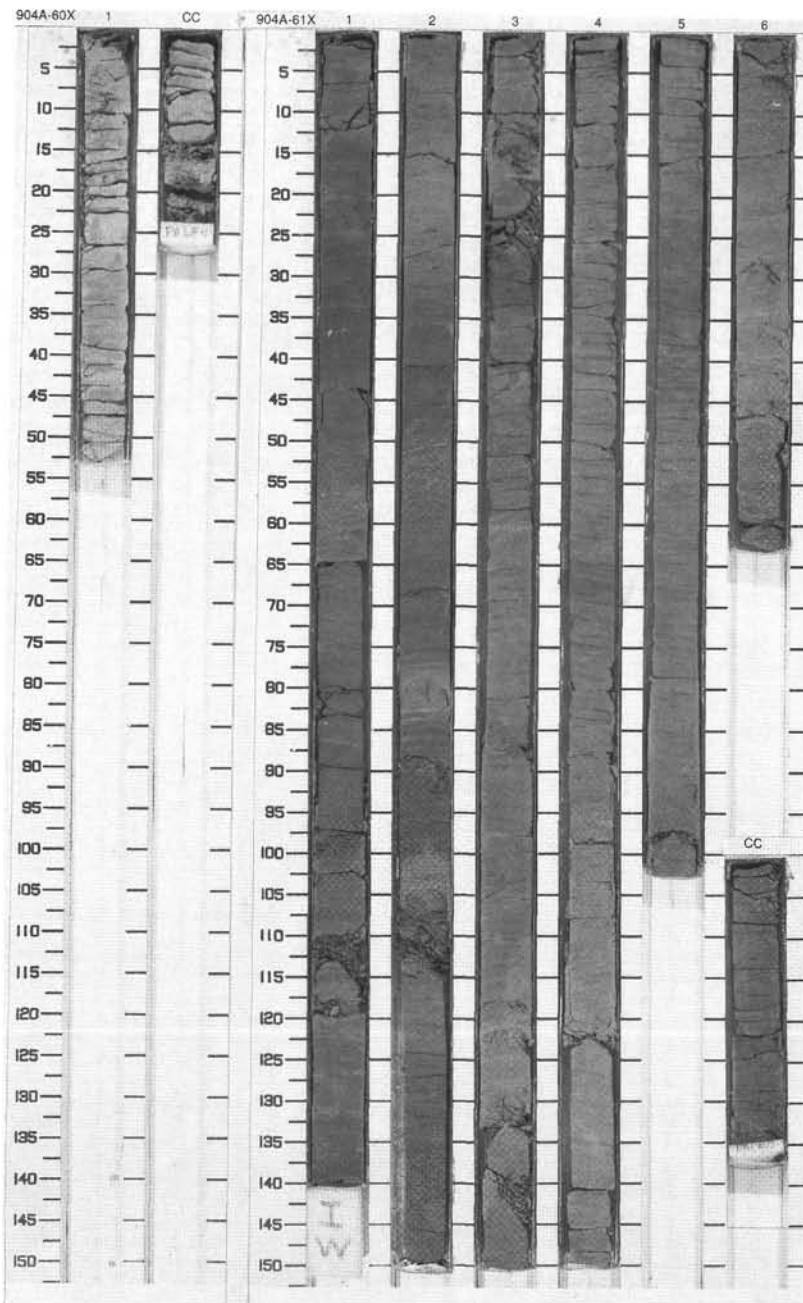
CORED 547.7 - 557.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	middle Eoc.	}}		P	5Y 7/1	PORCELLANITIC NANNOFOSSIL CHALK Major Lithology: Light greenish gray, moderately bioturbated PORCELLANITIC NANNOFOSSIL CHALK.
		CC		}}		M		

SITE 904 HOLE A CORE 61X

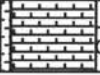

CORED 557.3 - 567.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		}}		P	5Y 5/2	NANNOFOSSIL CLAYEY CHALK Major Lithology: Light olive greenish gray, moderately to heavily bioturbated NANNOFOSSIL CLAYEY CHALK. Color laminated, well defined in Section 2 between 30 and 110 cm.
2		2	Miocene		V		5Y 5/2 To 5Y 6/2	
3		3	middle Miocene	}}	V			
4				}}		DT		
5		4		}}		P	5Y 6/2	
6		5	early Eocene	}}				
7		6		}}				
		CC		}}		M		



SITE 904 HOLE A CORE 62X

CORED 567.0 - 576.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	early Eoc.	~	-	P	5Y 6/2	NANNOFOSSIL CLAYEY CHALK Major Lithology: Light olive greenish gray, heavily bioturbated NANNOFOSSIL CLAYEY CHALK.
		CC			-	M		

