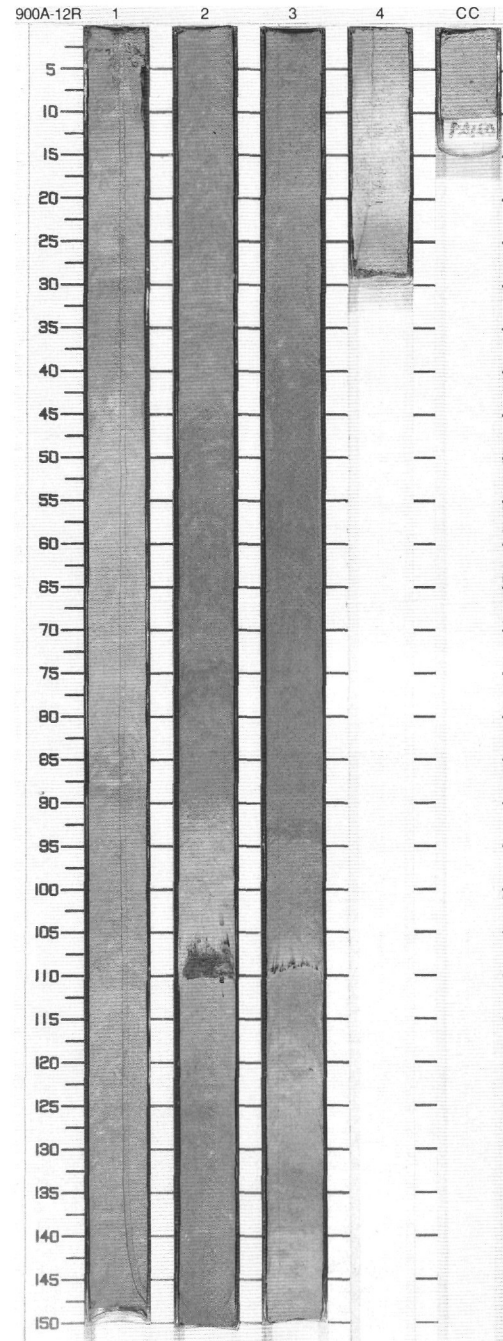


SITE 900 HOLE A CORE 12R

CORED 93.4 - 103.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Cross-hatched pattern]	1	late Miocene	}}	-	P	10YR 6/2 To 5Y 8/1	<p>NANNOFOSSIL CLAY and NANNOFOSSIL OOZE</p> <p>Major Lithologies: The core consists of pale yellowish brown (10YR 6/2), moderate yellowish brown (10YR 5/4) and white (N2) very mottled NANNOFOSSIL CLAY to NANNOFOSSIL OOZE.</p> <p>Minor Lithology: Dark gray (N2) SILT occurs in Section 2, 105 to 110 cm, and at Section 3, 110 cm.</p> <p>General Description: Intense bioturbation has mixed the NANNOFOSSIL OOZE and NANNOFOSSIL CLAY.</p>
2		2		}}		S		
3		3		}}		S		
4		4		Mn		P		
		CC				M <sup>P</sup>		

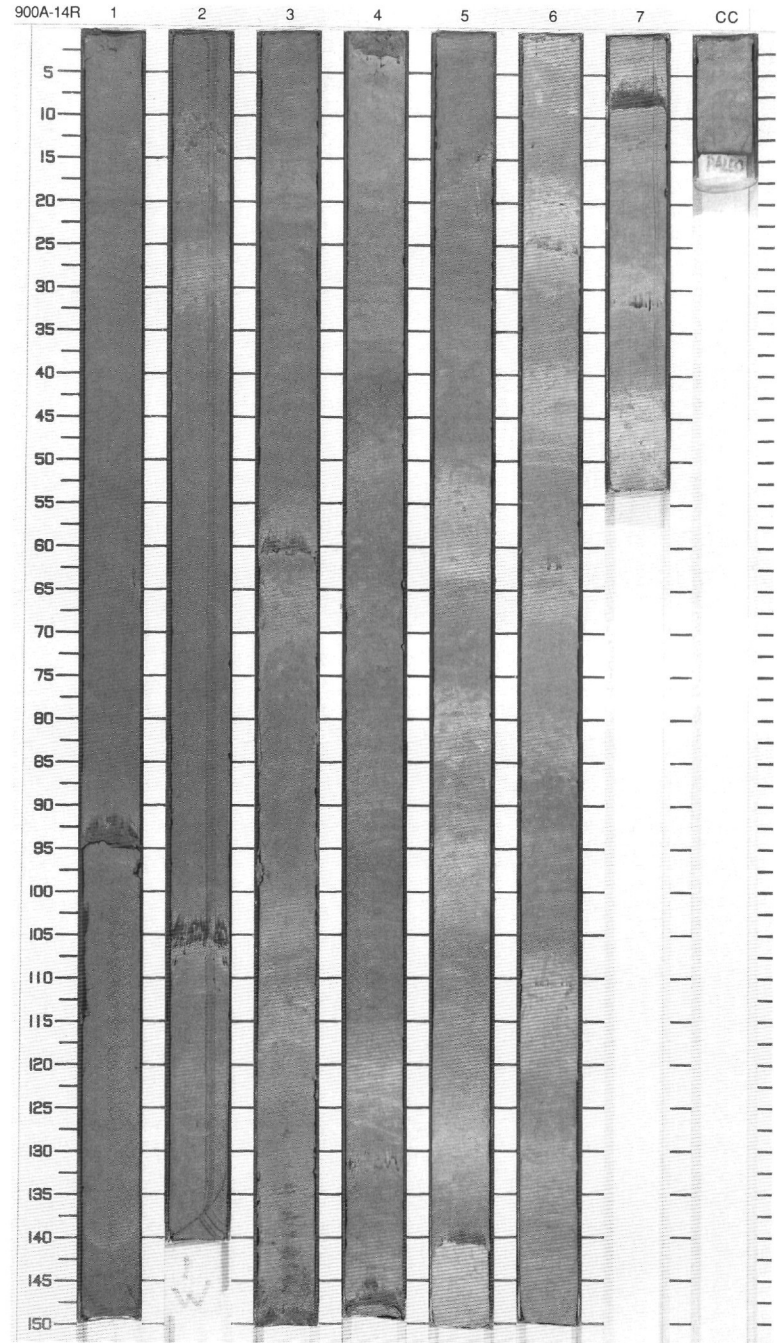
900A-13R NO RECOVERY



SITE 900 HOLE A CORE 14R

CORED 112.7 - 122.4 mbsf

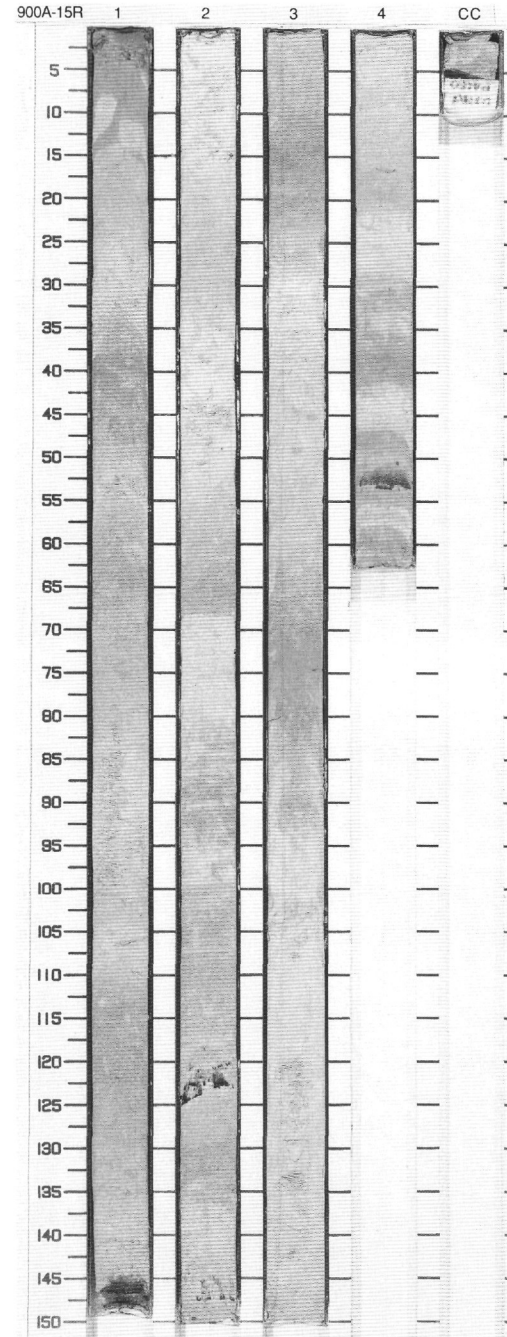
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		}}		P S		CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL CLAY
2	[Pattern]	2		}}		P		Major Lithologies: CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL CLAY are dark yellowish brown (10YR 4/2), yellowish gray (5Y 8/1) and light olive gray (5Y 6/1) in color, and together form 90% of the core. Both lithologies are intensively burrowed so it is not possible to estimate their proportions in the core.
3	[Pattern]	3		}}		I		Minor Lithologies: Medium dark gray (N4) to grayish black (N3) CLAYEY SILT or FINE SAND form 10% of the core, and occur throughout as thin (1-4 cm) layers.
4	[Pattern]	3		}}		P		
5	[Pattern]	4	late Miocene	}}		P	10YR 4/2 To 5Y 6/1	General Description: The core consists of probable mud turbidites, with basal silt layers, capped by burrow mottled NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE.
6	[Pattern]	5		}}		P		
7	[Pattern]	6		}}		S		
8	[Pattern]	6		}}		P		
9	[Pattern]	7		}}		P		
		CC				M		



SITE 900 HOLE A CORE 15R

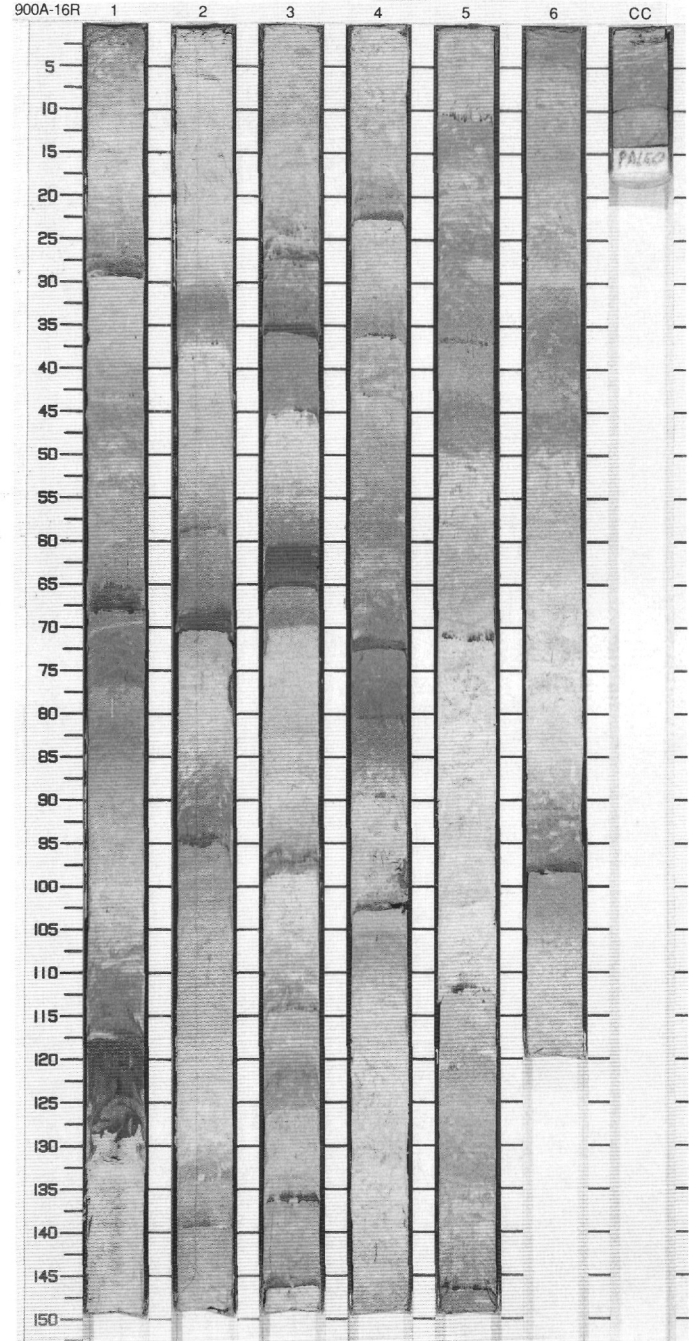
CORED 122.4 - 132.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	late Miocene	}}		P		NANNOFOSSIL CLAY
2	[Pattern]	2		}}		P		Major Lithology: 95% of the core consists of intensively mottled yellowish gray (5Y 8/1) or light olive gray (5Y 6/1) NANNOFOSSIL CLAY.
3	[Pattern]	3		}}		S	10YR 4/2 To 5Y 6/1	Minor Lithology: Dark gray (N3) NANNOFOSSIL SANDY CLAY forms 5% of the core.
4	[Pattern]	4		}}		I		General Description: The core consists of serval, carbonate-rich mud turbidites. A typical sequence comprises a basal NANNOFOSSIL SANDY CLAY, followed by light olive gray (5Y 6/1) NANNOFOSSIL CLAY and overlain by yellowish gray (5Y 8/1) NANNOFOSSIL CLAY. All lithologies are pervasively bioturbated.
5	[Pattern]	5		}}		S		
				}}		P		
				}}		M		



SITE 900 HOLE A CORE 16R CORED 132.0 - 141.6 mbsf

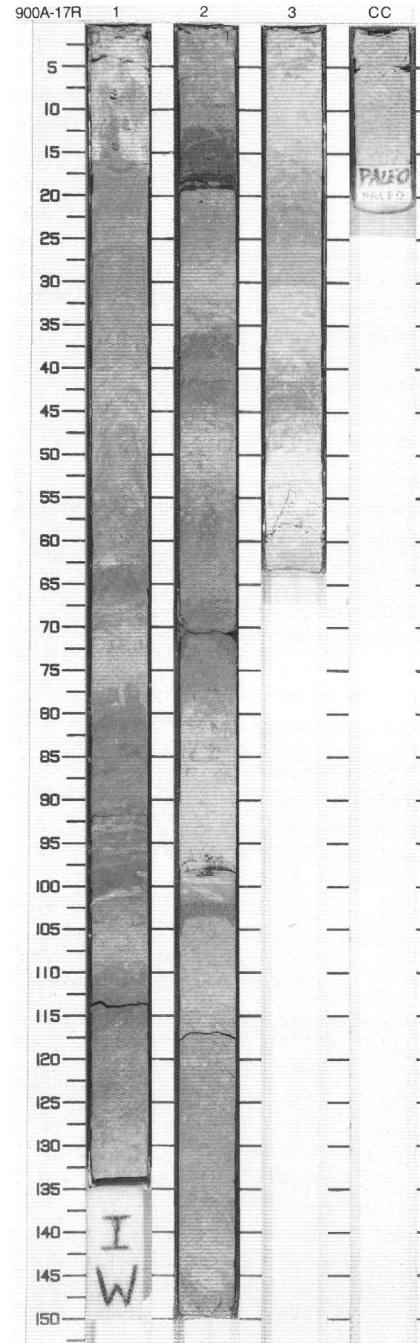
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	late Miocene	}}		P S	5Y 4/1 To N8	<p>NANNOFOSSIL OOZE and NANNOFOSSIL CLAY</p> <p>Major Lithologies: Very light gray (N8) NANNOFOSSIL OOZE forms 50% of core and is mottled with greenish gray (5GY 6/1) NANNOFOSSIL CLAY, which forms 40%.</p> <p>Minor Lithology: Olive gray (5Y 4/1) to dark gray (N4) nannofossil- and foraminifera-rich SILTY SANDSTONE comprises 10% of this core.</p> <p>General Description: The core consists of several silty to clayey turbidite sequences consisting of a basal SILTY SAND to NANNOFOSSIL CLAY capped by NANNOFOSSIL OOZE. Bioturbation is abundant and is more conspicuous in the darker lithologies.</p>
2	[Pattern]	2		}}		P		
3	[Pattern]	3		}}		S		
4	[Pattern]	4		}}		P S		
5	[Pattern]	5		}}		P S		
6	[Pattern]	6		}}		P		
7	[Pattern]	CC		}}		M		
8	[Pattern]			}}				
	[Pattern]			}}				
	[Pattern]			}}				



SITE 900 HOLE A CORE 17R

CORED 141.6 - 151.3 mbsf

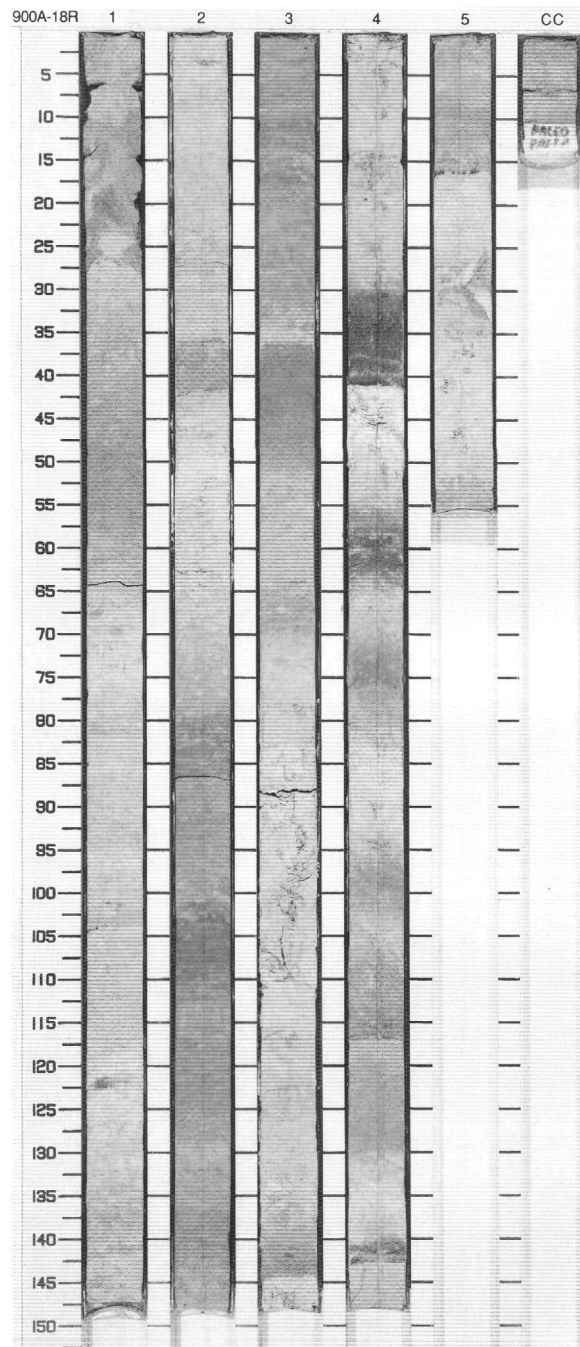
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Dotted pattern]	1	middle Miocene	}}	W	P	5Y 6/1 To 5Y 5/1	<p>CLAY and NANNOFOSSIL CLAY</p> <p>Major Lithologies:                      CLAY ranges in color from light olive gray (5Y 5/1) to greenish gray (5GY 5/1), and comprises 64% of the core. NANNOFOSSIL CLAY is yellowish gray (5Y 8/1), light olive gray (5Y 6/1) and light greenish gray (5G 7/1), and forms 32% of the core.</p> <p>Minor Lithologies:                      NANNOFOSSIL OOZE is very light gray (N8) in color and forms 4% of the core (Section 3, 40-58 cm). NANNOFOSSIL SILTY CLAY is olive gray (5Y 4/1) and only occurs in Section 2, 13-18 cm and 102-104 cm. SILTY SAND is greenish black (5GY 2/1) in color and occurs in thin (2-5 mm) layers and blebs.</p> <p>General Description:                      The core is dominated by mottled light and dark bands (20-40 cm thick) or completely burrow mixed CLAY and NANNOFOSSIL CLAY. One upwards-lightening sequence occurs (Section 2, 43-72 cm), and two upwards-darkening sequences (Section 2, 101-73 cm, Section 3, 40-58 cm).</p>	
2	[Dotted pattern]	2		}}			S		S
3	[Dotted pattern]	3		}}		S	S		5Y 6/1 To 5GY 5/1
	[Dotted pattern]	CC		}}		W	P		5G 8/1 To 5GY 2/1
	[Dotted pattern]			}}		M	M		
	[Dotted pattern]			}}					



SITE 900 HOLE A CORE 18R

CORED 151.3 - 160.9 mbsf

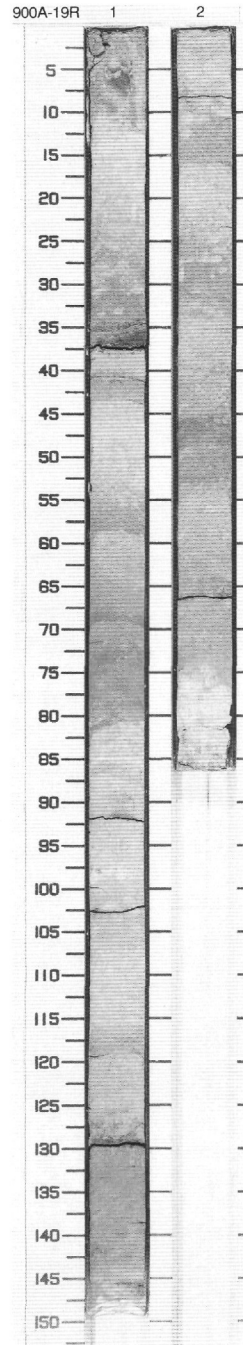
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	middle Miocene	}}		S	N8 To 5G 4/1	<p>NANNOFOSSIL OOZE and NANNOFOSSIL CLAY</p> <p>Major Lithologies: Light gray (N7) to olive gray (5Y 4/1) NANNOFOSSIL CLAY comprises 50% of the core and greenish gray (5G 4/1) CLAY WITH NANNOFOSSILS 40%.</p> <p>Minor Lithologies: Very light gray (N8) NANNOFOSSIL OOZE totals 10% of the core. Greenish black (5G 2/1) SANDY SILT constitutes less than 1% of the core.</p> <p>General Description: The sequences present in this core are distinctly different from those described in earlier cores (e.g. cores 1R-7R). Light colored NANNOFOSSIL CLAY overlies, where present, SANDY SILT. The NANNOFOSSIL CLAY is in turn overlain by CLAY WITH NANNOFOSSILS, producing upwards-darkening sequences up to 30 cm thick. A few sequences composed of a darker clay-rich interval passing upward into a lighter carbonate-rich interval also occur. Bioturbation is common and extends to the base of upwards-darkening intervals.</p>
2	[Pattern]	2		}}		S P		
3	[Pattern]	3		}}		P P		
4	[Pattern]	4		}}		S P		
5	[Pattern]	5		}}		S P		
6	[Pattern]	6		}}		P P		
	[Pattern]	cc		}}		M		



SITE 900 HOLE A CORE 19R

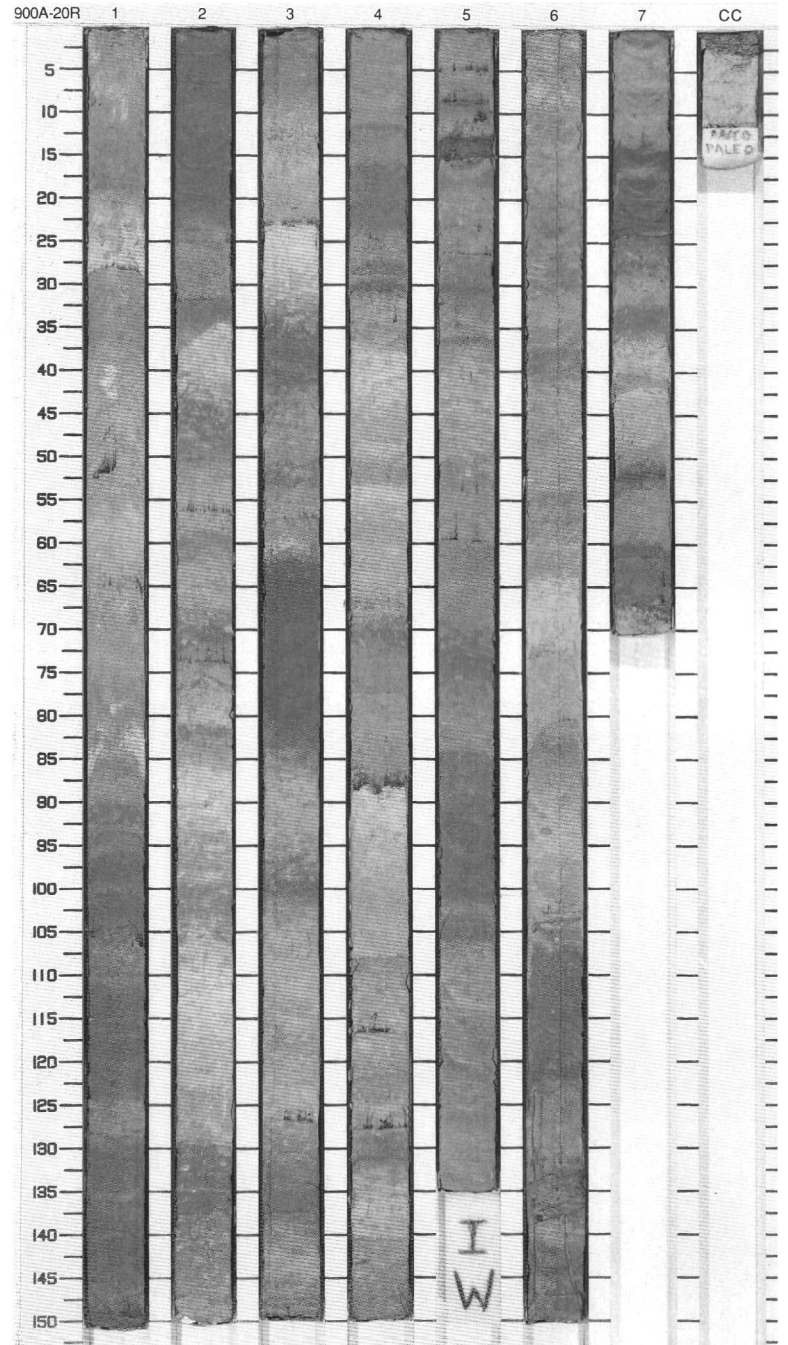
CORED 160.9 - 170.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	middle Miocene	}}		P	5G 8/1 To 5G 5/1	<p>NANNOFOSSIL CLAY and CLAY</p> <p>Major Lithologies:                      NANNOFOSSIL CLAY ranges in color from light to medium gray (N7-8), light greenish gray (5G 8/1) and light olive gray (5Y 6/1); it forms 53% of the core. CLAY is olive gray (5Y 5/1) and greenish gray (5G 6/1) in color, and forms 44% of the core.</p> <p>Minor Lithologies:                      NANNOFOSSIL OOZE is very light gray (N8) in color, and forms 3% of the core and occurs at the base of Section 2. SILTY SAND occurs as thin, often impersistent beds (0.5-5 mm thick), and is dark greenish gray (5GY 4/1) in color.</p> <p>General Description:                      Upwards-lightening and -darkening, sharp-based sequences 10 to 20 cm thick, usually with SILTY SAND at their bases, form nearly half the core. The remainder consists of burrow mottled bands of the lighter and darker lithologies.</p>
2	[Cross-hatched pattern]	2		}}		P	N7 To 5GY 6/1	



SITE 900 HOLE A CORE 20R CORED 170.6 - 180.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	early Miocene	}}		S	5G 4/1 To 5G 6/1	<p>CLAY and NANNOFOSSIL CLAY</p> <p>Major Lithologies:                      CLAY shows olive gray (5Y 4/1) and dark greenish gray (5GY 4/1, 5G 4/1) colors, and forms 60% of the core. NANNOFOSSIL CLAY ranges in color from light olive gray (5Y 6/1), greenish gray (5GY 6/1, 5G 6/1) to light gray (N7), and forms 40%.</p> <p>Minor Lithologies:                      SILTY SAND is greenish black (5GY 2/1) in color, and occurs as thin laminae (&lt;1 mm). FORAMINIFERAL SAND is greenish gray (5GY 6/1) in color and occurs in laminae 1-2 mm thick, which sometimes contain smaller scale clay laminae, and some wavy laminations.</p> <p>General Description:                      Upwards-lightening and -darkening sequences, 10-25 cm thick occur in many parts of the core, and most have a basal SILTY SAND or FORAMINIFERAL SAND. The remainder of the core shows burrow mottled CLAY and NANNOFOSSIL CLAY, with a few intervals of massive CLAY 5-20 cm thick.</p>
2	[Dotted pattern]	2		}}		P	5Y 4/1	
3	[Dotted pattern]	3		}}		P		
4	[Dotted pattern]	4		}}		S	5Y 6/1 To 5Y 5/1	
5	[Dotted pattern]	5		}}		P		
6	[Dotted pattern]	6		}}		P	5GY 5/1 To 5GY 6/1	
7	[Dotted pattern]	7		}}		S	5GY 4/1 To 5GY 6/1	
CC						M		

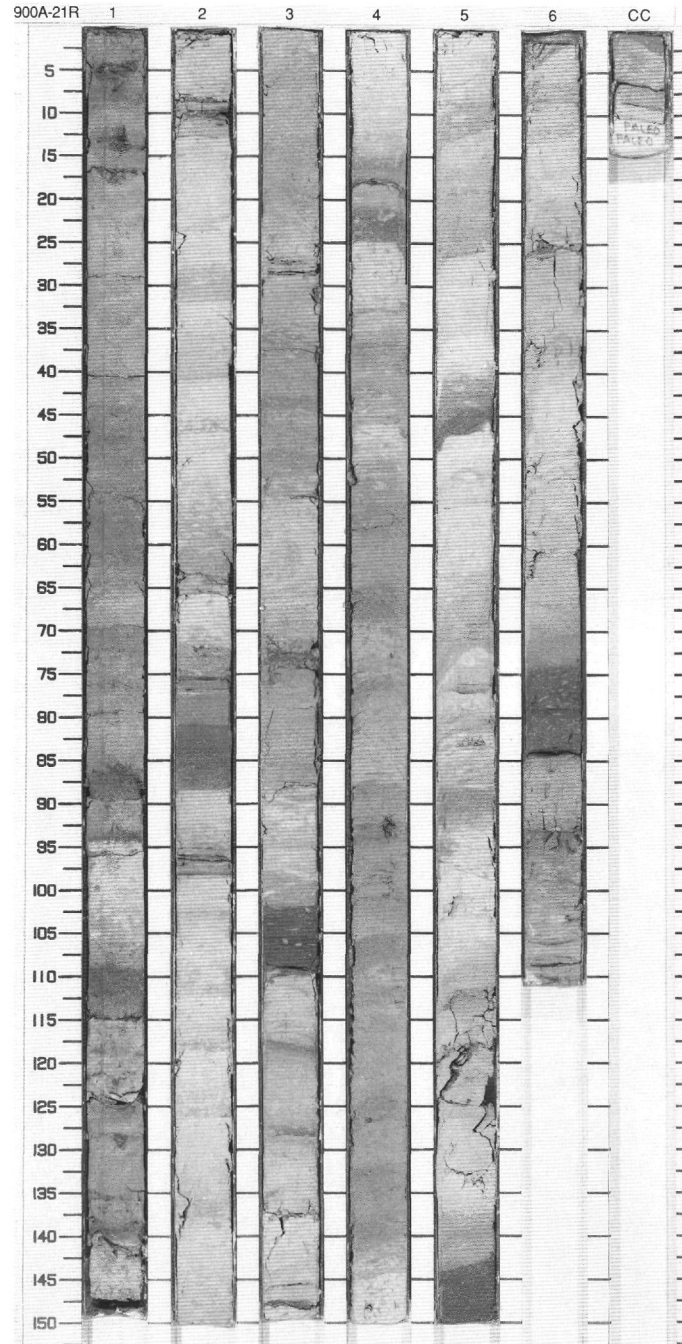




SITE 900 HOLE A CORE 21R

CORED 180.3 - 189.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	early Miocene	~	/	S	5G 6/1 To N7	<p>NANNOFOSSIL CHALK and NANNOFOSSIL CLAYSTONE</p> <p>Major Lithologies: Light gray (N7) NANNOFOSSIL CHALK makes up 55% of the core and olive gray (5Y 4/1) to greenish gray (5G 6/1) NANNOFOSSIL CLAYSTONE 43%.</p> <p>Minor Lithologies: Olive gray (5Y 4/1) to greenish gray (5G 6/1) SILTY SANDSTONE forms 2% of the core. Olive gray (5Y 4/1) SILTY CLAYSTONE WITH FORAMINIFER forms less than 1% of the core, and is present only in Section 6, 83-84 cm.</p> <p>General Description: CLAYSTONE and NANNOFOSSIL CLAYSTONE alternate throughout the core. Bioturbation masks some of the stratigraphic relationships. SILTY SANDSTONES exhibit sharp bases and some sharp tops, are lenticular to continuous, and in places are cross laminated.</p>
2	[Pattern]	2				P		
3	[Pattern]	3				S		
4	[Pattern]	4				P		
5	[Pattern]	5				P		
6	[Pattern]	6				P		
7	[Pattern]	7				P		
8	[Pattern]	8				P		
CC	[Pattern]	CC				S		
						M		



SITE 900 HOLE A CORE 22R CORED 189.9 - 199.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	early Miocene	[Symbol]	[Symbol]	S	5G 4/1 To 5GY 6/1	<p>NANNOFOSSIL CHALK and NANNOFOSSIL CLAYSTONE</p> <p>Major Lithologies: Greenish gray (5GY 6/1) to light gray (N7) NANNOFOSSIL CHALK forms 60% of the core, and dark greenish gray (5G 4/1) and olive gray (5Y 4/1) NANNOFOSSIL CLAYSTONE 38%.</p> <p>Minor Lithologies: Medium gray (N5), greenish black (5G 2/1), and light olive gray (5Y 6/1) CLAYEY SANDSTONE WITH FORAMINIFERA forms 2% of the core.</p> <p>General Description: Thin (usually less than 5 mm) SANDSTONE layers are more common in this core than in previous cores, but the overall proportion of sand does not differ. Upwards-darkening sequences formed by lighter colored NANNOFOSSIL CLAYSTONE or NANNOFOSSIL CHALK overlain by darker CLAYSTONE occur throughout. Additionally, upwards-lightening sequences of CLAYSTONE overlain by NANNOFOSSIL CLAYSTONE and NANNOFOSSIL CHALK also occur. The thicknesses of both types of sequences range from less than 5 to about 12 cm. The CLAYEY SAND WITH FORAMINIFERA locally occurs at their bases. Bioturbation is pervasive and Chondrites, Planolites, and Zoophycos are present.</p>
2	[Pattern]	2				P		
3	[Pattern]	3				S		
4	[Pattern]	3				S		
5	[Pattern]	4				P		
6	[Pattern]	4				P		
7	[Pattern]	5				S		
8	[Pattern]	5				P		
	[Pattern]	6						
	[Pattern]	CC				M		

