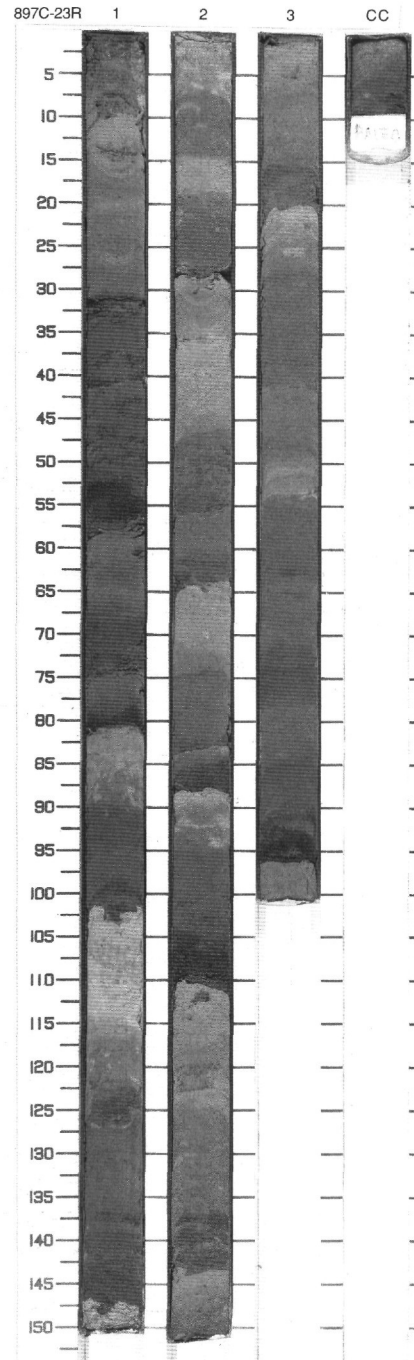


SITE 897 HOLE C CORE 23R

CORED 262.7 - 272.3 mbsf

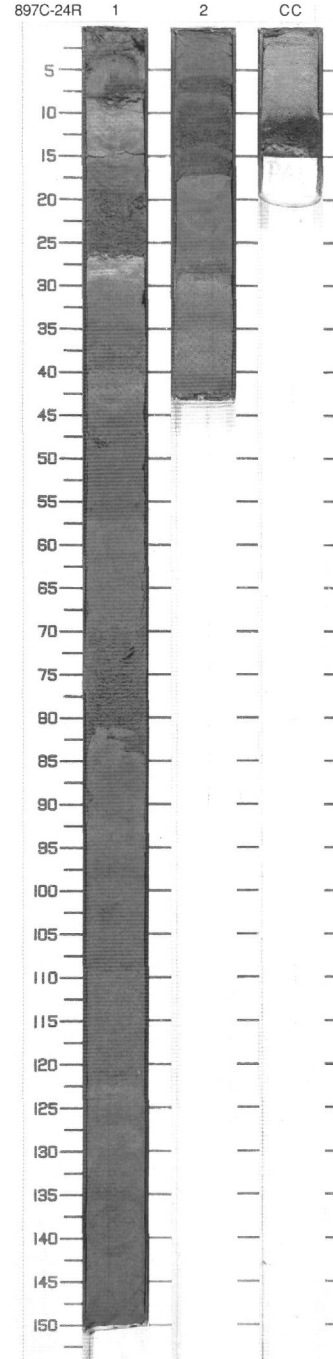
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Graphic Lithology: Alternating horizontal lines and dots representing different sediment layers]	1	early Pliocene	...	-	S	5GY 4/1 To 5Y 2/1	SILTY CLAY Major Lithology: Dark greenish gray (5GY 4/1) SILTY CLAY dominates the core. It contains up to 10% organic matter, some of which is pyritized, and around 10% inorganic carbonate material.	
2							5GY 4/1 To 5GY 4/1		Minor Lithologies: Dark greenish gray (5GY 4/1) SILTY FINE SAND forms the base of normal graded intervals and comprises about 10% of the core. It contains abundant organic matter, some of which is pyritized. NANNOFOSSIL CLAY ranges in color from medium to light gray (N5 to N6) through olive gray (5Y 4/1) and greenish gray (5GY 5/1) to olive black (5Y 2/1).
3		3		...		-	P	5GY 4/1	SILTY CLAY
4									

General Description:
The core contains at least 16 distinct normal graded intervals ranging in thickness from 5 to 75 cm. The CALCAREOUS CLAY is usually mixed with the underlying SILTY CLAY by bioturbation.



SITE 897 HOLE C CORE 24R CORED 272.3 - 282.0 mbsf

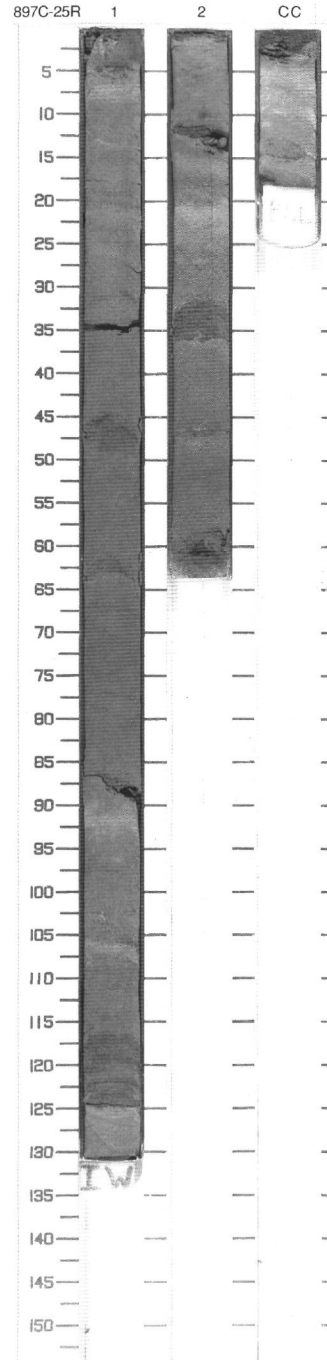
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pliocene			S	5GY 2/1	<p>SILTY CLAY</p> <p>Major Lithology: The SILTY CLAY is greenish black (5Y 2/1 to 5GY 2/1) and comprises approximately 70% of the core.</p> <p>Minor Lithologies: The greenish black (5GY 2/1) SILTY FINE SAND makes up about 20% of the core and the olive gray (5Y 2/1) NANNOFOSSIL CLAY about 5%. Intervals of the SILTY SAND vary from 15 cm to less than 1 cm. The NANNOFOSSIL CLAY is only encountered in Section 1, 27-28 cm.</p> <p>General Description: At least 4 normally graded sequences occur in this core ranging from about 5 to 40 cm in thickness. They are composed of a basal SILTY FINE SAND layer overlain by SILTY CLAY. Where present, the NANNOFOSSIL CLAY overlies the SILTY CLAY.</p>
1		1				S	To 5Y 2/1	
2		2				S	2/1	
		CC				M		



SITE 897 HOLE C CORE 25R

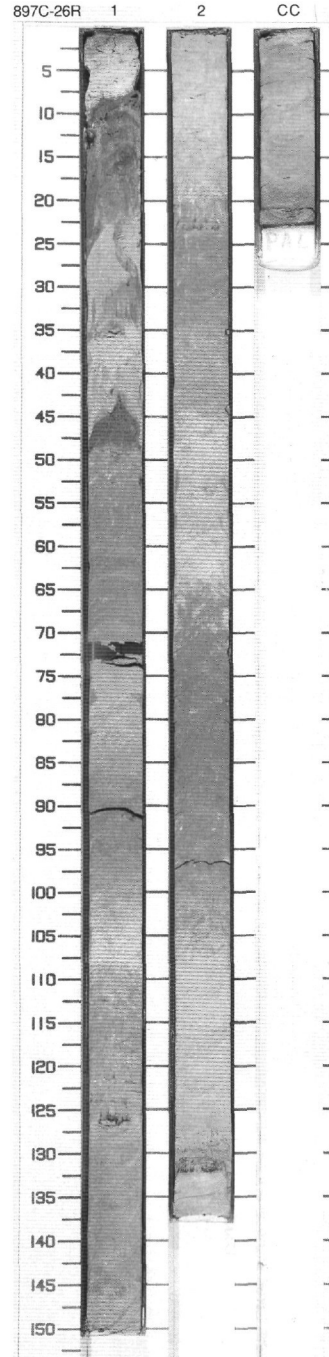
CORED 282.0 - 291.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pliocene		-	I	5GY 4/1	<p>SILTY CLAY</p> <p>Major Lithology: The SILTY CLAY is dark greenish gray (5GY 4/1) in color.</p> <p>Minor Lithology: SILTY FINE SAND is dark greenish (5GY 4/1) in color and forms about 10% of the core.</p> <p>General Description: The lithologies are similar to those encountered in Cores 23 and 24. SILTY FINE SAND forms the bases of the 10 normally graded units encountered. These range from 15 to 50 cm in thickness, but the thicker clayey intervals may contain several finer grained graded units. Lighter colored sediments found in the overlying cores are virtually absent, except for some mottling due to bioturbation which involves olive gray clays (5Y 4/1) at 90-95 cm, Section 1 and 20-25 cm, Section 2.</p>
2		2						
		CC				M		



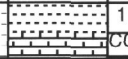
SITE 897 HOLE C CORE 26R CORED 291.5 - 301.2 mbsf

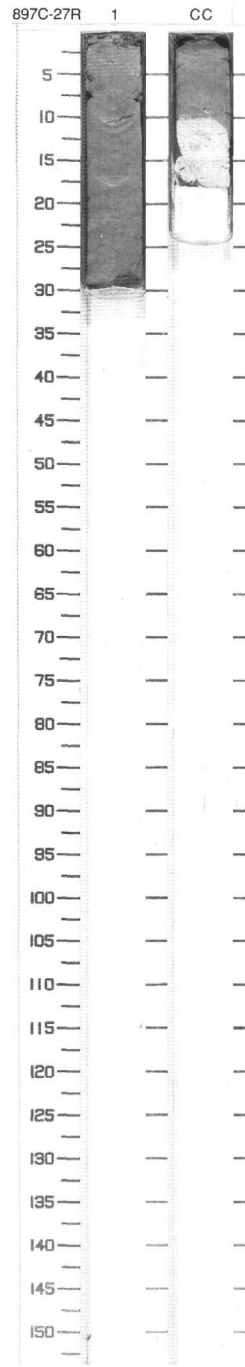
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lithology: Dotted pattern]	1	early Pliocene	~	W/W	P	5Y 3/2	<p>NANNOFOSSIL CLAY, CLAY, and NANNOFOSSIL SILTY CLAY</p> <p>Major Lithologies: The core consists of interbedded light olive gray (5Y 5/2) NANNOFOSSIL CLAY (60% of core), moderate olive brown (5Y 4/4) CLAY (20% of core), and greenish gray (5G 6/1) NANNOFOSSIL SILTY CLAY (20% of core).</p> <p>Minor Lithology: Graded to laminated olive black (5Y 2/1) SILTY SAND occurs at 124 cm in Section 1, and at 24 and 131 cm in Section 2.</p> <p>General Description: The first 50 cm of Section 1 consists of very disturbed mixture of lithologies described in Core 25R; these include: olive gray (5Y 3/2) SILTY CLAY TO CLAYEY SILT, light olive gray (5Y 6/1) NANNOFOSSIL CLAY, and light gray (N7) NANNOFOSSIL OOZE. Contacts between major lithologies in Section 1, 50-150 cm, Section 2, and the Core Catcher are bioturbated.</p>
2							5Y 5/2 To 5Y 4/4	
3							5G 6/1	
		2	late Miocene	~		S		
		CC				M		



SITE 897 HOLE C CORE 27R

CORED 301.2 - 310.9 mbsf

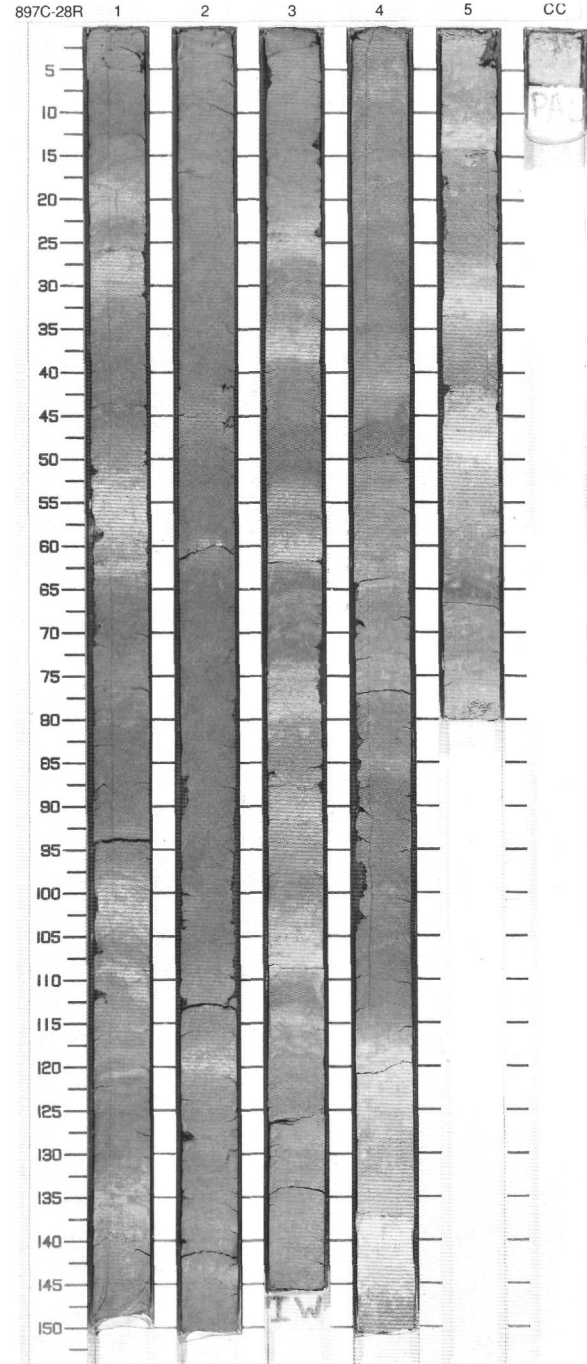
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1 CC	late Miocene	3	—	S P S M S		<p>SILTY CLAY and NANNOFOSSIL OOZE</p> <p>Major Lithologies: Dark yellowish brown (10YR 4/2) SILTY CLAY occurs between 8 and 30 cm, Section 1 and 10 cm in the Core Catcher. Light bluish gray (5B 7/1) NANNOFOSSIL OOZE occurs between 10 and 18 cm in the Core Catcher.</p> <p>Minor Lithology: Dark yellowish brown (10YR 4/2) CLAY WITH NANNOFOSSILS occurs in the top 8 cm of Section 1. This sediment contains about 10% silt and 10% nannofossils.</p> <p>General Description: The mottling in the SILTY CLAY and the NANNOFOSSIL SILTY CLAY is probably due to bioturbation.</p>



SITE 897 HOLE C CORE 28R

CORED 310.9 - 320.5 mbsf

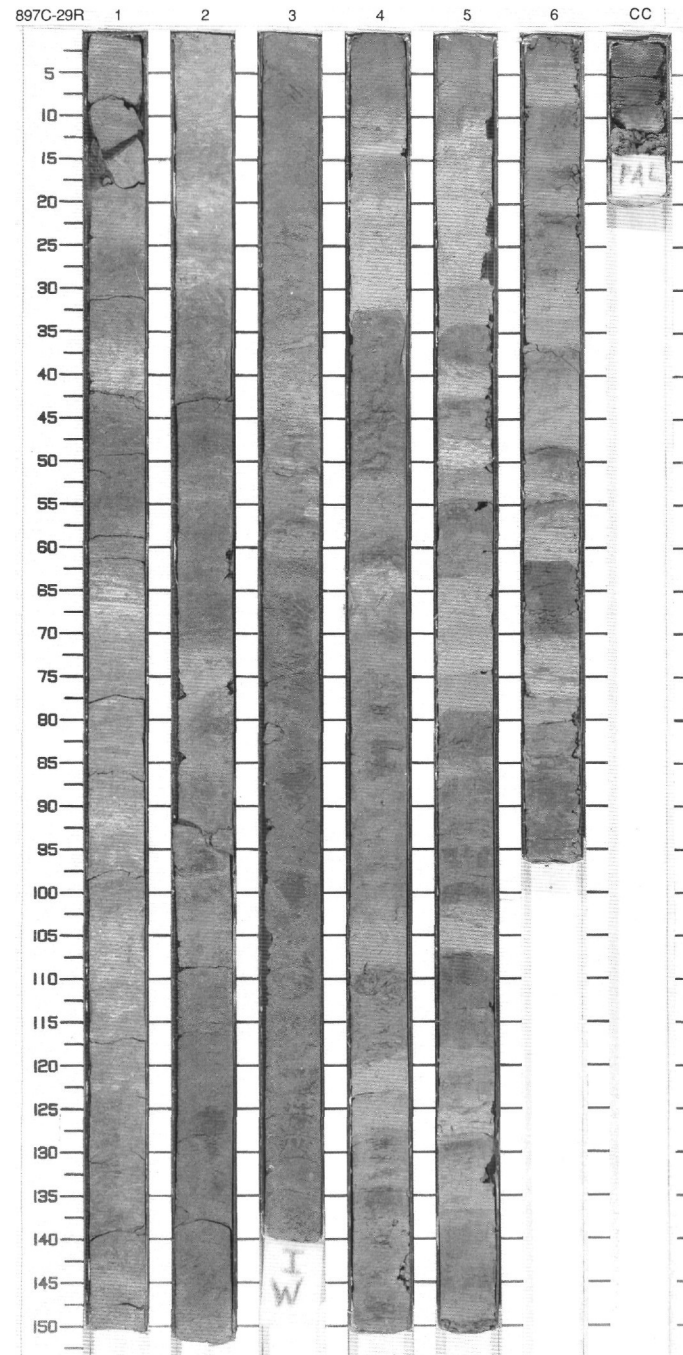
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		}}		P	10YR 4/2 To 5Y 6/1	SILTY CLAY Major Lithology: Dark yellowish brown (10YR 4/2) SILTY CLAY shows only faint burrow mottling and consists of about one third silt, with only a trace of fine sand.
2	[Pattern]	2		}}		S	10YR 4/2	Minor Lithologies: NANNOFOSSIL OOZE and NANNOFOSSIL SILTY CLAY are both olive gray (5Y 6/1) in color. NANNOFOSSIL SILTY CLAY occurs as a single bed at 133-144 cm, Section 4 and in the Core Catcher. SANDY SILTY CLAY occurs as thin (up to two cm) medium bluish gray (5B 6/1) intervals. Both lithologies contain about 10% glauconite.
3	[Pattern]	3	late Miocene	}}		P	10YR 4/2 To 5Y 6/1	General Description: SILTY CLAY forms about 60% of the core, and a mixture (due to burrow mottling) of NANNOFOSSIL CLAY, NANNOFOSSIL SILTY CLAY, and SILTY CLAY which together form 40% of the core. This is the last core to be wire cut: comparison with sawn sections in similar facies in Core 29 suggests that the amount of bioturbation in this core has been underestimated. The comparison also shows that specific burrow types cannot be identified in wire cut cores.
4	[Pattern]	4		}}		S	10YR 4/2	
5	[Pattern]	5		}}		P	10YR 4/2 To 5Y 6/1	
6	[Pattern]	cc		}}		S M		



SITE 897 HOLE C CORE 29R

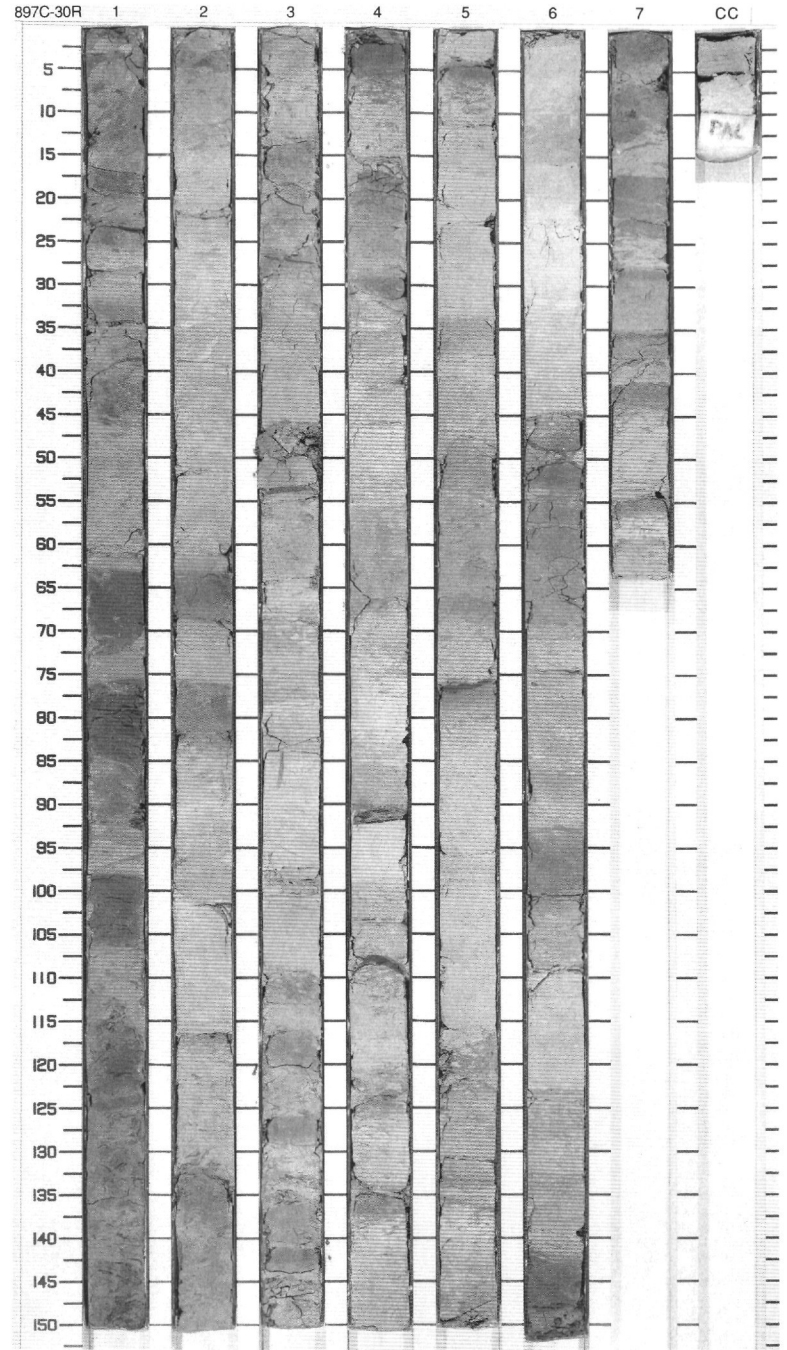
CORED 320.5 - 330.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description		
1	[Dotted pattern]	1	late Miocene	[Wavy lines]	[Vertical lines]	S P	10YR 6/2 To 5Y 6/1	<p>CLAYSTONE</p> <p>Major Lithology: Heavily bioturbated and mottled pale yellowish brown (10YR 6/2) and light olive (5Y 6/1) to greenish gray (5GY 6/1) CLAYSTONE dominates the core.</p>		
2									P	<p>Minor Lithology: NANNOFOSSIL CLAYSTONE is light bluish gray (5B 7/1) and light greenish gray (5G 8/1).</p>
3									S	<p>General Description: CLAYSTONE is the main lithology in this core, but heavy and pervasive bioturbation and mottling do not allow precise estimate of NANNOFOSSIL CLAYSTONE contents. Discrete Zoophycos traces are abundant, together with Chondrites, Planolites, and unnamed vertical and horizontal burrows.</p>
4									P	
5									I	
6									[Dotted pattern]	2
7	P									
8	P	5G 8/1 To 5Y 6/1								



SITE 897 HOLE C CORE 30R CORED 330.2 - 339.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	early Miocene	...		S	5G 6/1 To 5GY 6/1	<p>CLAYSTONE</p> <p>Major Lithology: Bioturbated and mottled CLAYSTONE, showing various hues and chromas of brown, green and gray (light greenish gray (5GY 8/1 and 5G 8/1), greenish gray (5GY 6/1, 5G 6/1), light bluish gray (5B 7/1), medium bluish gray (5B 5/1), light brownish gray (5YR 6/1), and brownish gray (5YR 4/1)).</p> <p>Minor Lithologies: Very thin intervals of greenish gray (5GY 6/1) or medium bluish (5G 6/1) CALCAREOUS SILTY CLAYSTONE, and very light greenish gray (5G 8/1) or bluish white (5B 9/1) CALCAREOUS CLAYSTONE.</p> <p>General Description: The core consists mostly of variegated clay burrow-mottled to produce mixed colors and lithologies. The upper part (0-15 cm) of CALCAREOUS SILTY SANDSTONE layers, less than 5 cm thick and forming less than 5% of the core, are present throughout. These form the bases of repetitive fining upwards sequences. Ichnofauna includes abundant Zoophycos, Chondrites, Planolites, and other horizontal and vertical burrows. Section 2, 1 to 15 cm, consists of an intraformational "mud" conglomerate including lithologies similar to those in the rest of the core.</p>
2	[Dotted pattern]	2		P	5B 6/1 To 5GY 6/1			
3	[Dotted pattern]	3		P	5B 7/1 To 5B 7/1			
4	[Dotted pattern]	4		P	5G 7/1 To 5G 8/1			
5	[Dotted pattern]	5		P	5G 6/1 To 5G 8/1			
6	[Dotted pattern]	6		P	5G 6/1 To N7			
7	[Dotted pattern]	7		P	5G 8/1			
8	[Dotted pattern]	CC			M			

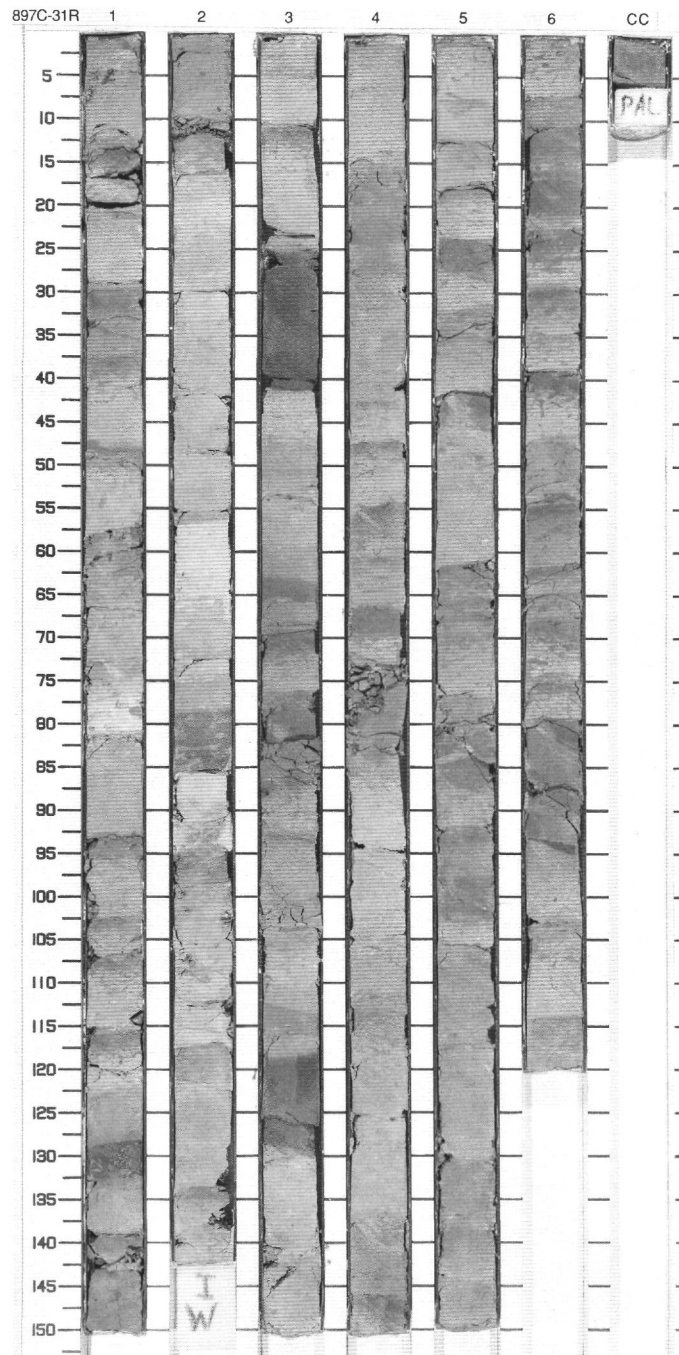


SITE 897 HOLE C CORE 31R

CORED 339.9 - 349.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	early Miocene	[Wavy lines]	[Vertical lines]	P	5G 7/1 To 5G 6/1	<p>CLAYSTONE</p> <p>Major Lithology: Moderately bioturbated and mottled CLAYSTONE. This lithology consists of alternating colors which vary between dark gray (5Y 4/1), greenish gray (5G 6/1), medium gray (5G 6/1), light greenish gray (5G 6/1), and grayish green (5G 7/1).</p> <p>Minor Lithology: Thin SILTSTONE laminae intercalate within the main lithology, forming less than 5% of the core.</p> <p>General Description: This core consists mostly of slightly bioturbated CLAYSTONE. Small variations in silt content do not appear to be related to the observed color variation. Bioturbation is locally heavy, but generally less than observed in Core 149-897-30R. Ichnofauna includes Chondrites, and of minor degree Zoophycos, and an unnamed tube-shaped burrow.</p>
2	[Dotted pattern]	2				S	5G 6/1 To 5GY 4/1	
3	[Dotted pattern]	3				I	5G 5/1 To 5Y 4/1	
4	[Dotted pattern]	4				P		
5	[Dotted pattern]	5				D	5G 6/1 To 5G 5/1	
6	[Dotted pattern]	6				D		
7	[Dotted pattern]	5			P	5B 4/1 To 5G 5/1		
8	[Dotted pattern]	6			D			
	[Dotted pattern]					M		

897C-32R NO RECOVERY



SITE 897 HOLE C CORE 33R CORED 359.1 - 368.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		}}		S P	10YR 5/2	<p>CLAYSTONE</p> <p>Major Lithology: Homogeneous yellowish brown (10YR 5/2) to greenish gray (5GY 6/1) CLAYSTONE.</p> <p>Minor Lithology: Greenish gray (5GY 6/1) to light olive gray (5Y 5/1) SILTY CLAYSTONE forms minor lithology of this core.</p> <p>General Description: This core consists (>90%) of very homogeneous CLAYSTONE with pronounced color mottling from gray to yellow brown. Locally, bioturbation, dominated by Zoophycos is abundant.</p>
2	[Dotted pattern]	2		}}		S D	5GY 6/1 To 10YR 5/2	
3	[Dotted pattern]	3		}}		P		
4	[Dotted pattern]	4	early Miocene			P	5GY 5/2 To 5Y 5/1	
5	[Dotted pattern]	5				P		
6	[Dotted pattern]	6				P	5GY 5/1 To 5Y 4/1	
7	[Dotted pattern]	7				S D		
8	[Dotted pattern]	CC				M		

