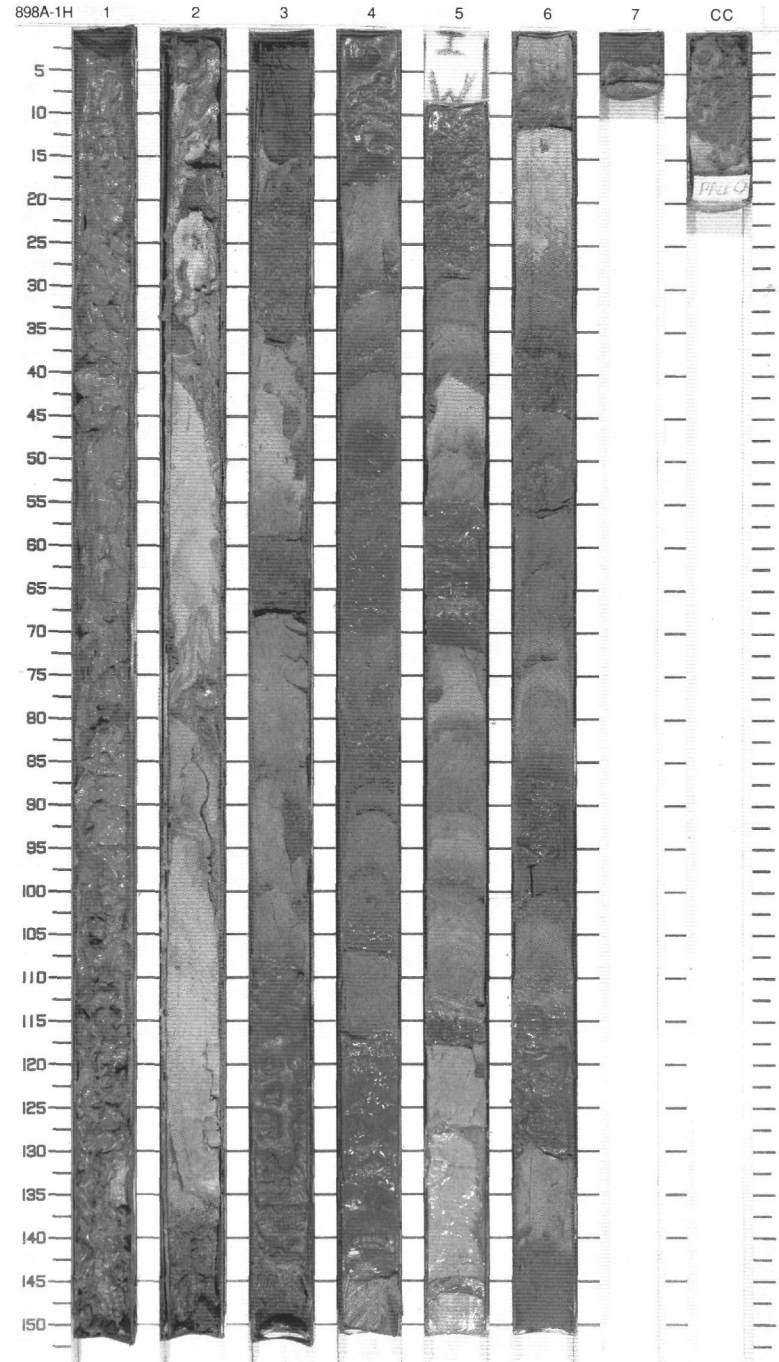


SITE 898 HOLE A CORE 1H

CORED 0.0 - 9.2 mbsf

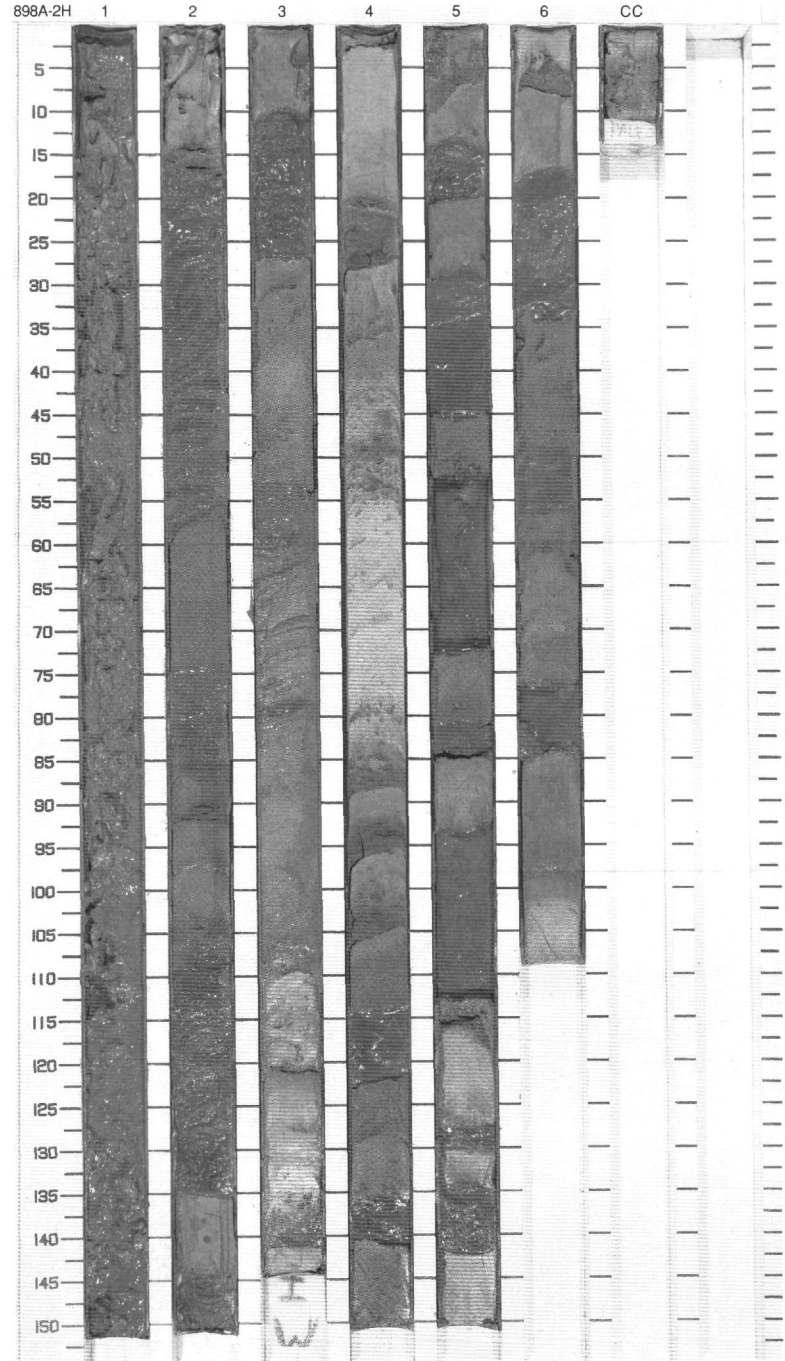
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.0 - 1.0	[Dotted pattern]	1	Pleistocene		OOOOOOOOOO	P		CALCAREOUS, SILTY CLAY and SAND  Major Lithologies: Olive gray (5Y 4/1) CALCAREOUS SILTY CLAY constitutes about 50% of the core and olive gray (5Y 4/1) fine-grained SAND about 40%.
1.0 - 2.0	[Horizontal lines]	2		P	WWWWWWWWWW			Minor Lithology: Light olive gray (5Y 7/1) FORAMINIFER SAND represents less than 10% of the core and is interbedded with the major lithology SAND.
2.0 - 3.0	[Horizontal lines]	3		S	WWWWWWWWWW			General Description: Graded sequences with a basal fine SAND passing upwards into calcareous SILTY CLAY occur throughout the core. The thickness of a single sequence varies between 8 to 30 cm. Several dark reddish (5RP 2/2) laminae are visible in the upper parts of the calcareous SILTY CLAY.
3.0 - 4.0	[Horizontal lines]	3		P	WWWWWWWWWW			
4.0 - 5.0	[Dotted pattern]	4		P	OO			5Y 6/1 To 5Y 4/1
5.0 - 6.0	[Horizontal lines]	4		P	---			
6.0 - 7.0	[Horizontal lines]	5		I				
7.0 - 8.0	[Horizontal lines]	5	P					
8.0 - 9.0	[Horizontal lines]	6						
9.0 - 9.2	[Horizontal lines]	7						
		CC				P	M	



SITE 898 HOLE A CORE 2H

CORED 9.2 - 18.7 mbsf

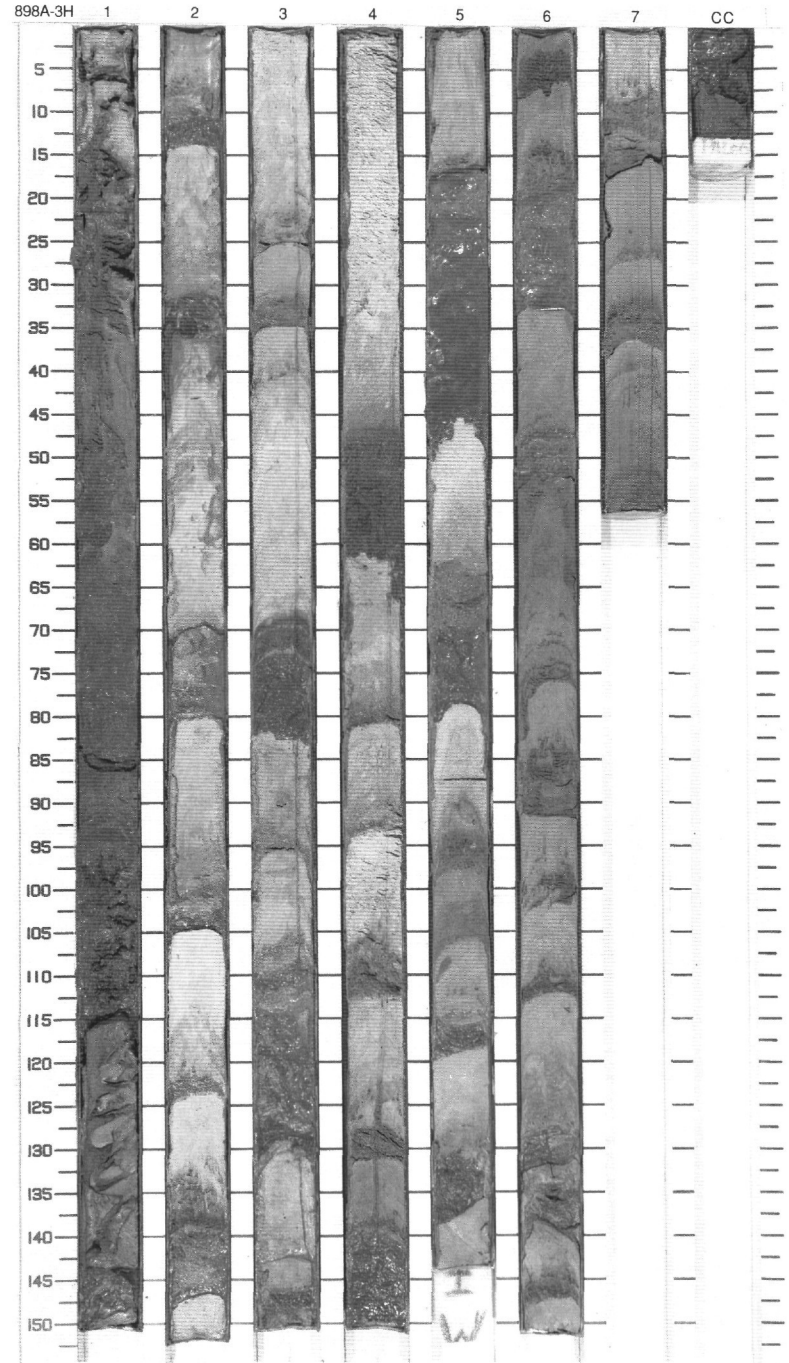
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0		1			OOOOOOOOOO	P		SILTY FINE SAND and CALCAREOUS SILTY CLAY
1		2		...	W OOOOOOOOOO	P		Major Lithologies: Olive gray (5Y 4/1) SILTY FINE SAND constitutes about 45% of core and olive gray (5Y 4/1) CALCAREOUS SILTY CLAY about 40%.
2		3		...		P		Minor Lithology: Light olive gray (5Y 6/1) FORAMINIFER NANNOFOSSIL CLAY constitutes around 15% of the core and is slightly bioturbated.
3		4		...		P		General Description: The core consists of numerous graded sequences with sharp basal fine SAND layers, fining upwards into CALCAREOUS SILTY CLAY. The thickness of the sequences varies from 10 to 50 cm.
4		5	Pleistocene	...		P	5Y 4/1 To 5Y 6/1	
5		6		...		P		
6		7		...		P		
7		8		...		P		
8		CC				M		



SITE 898 HOLE A CORE 3H

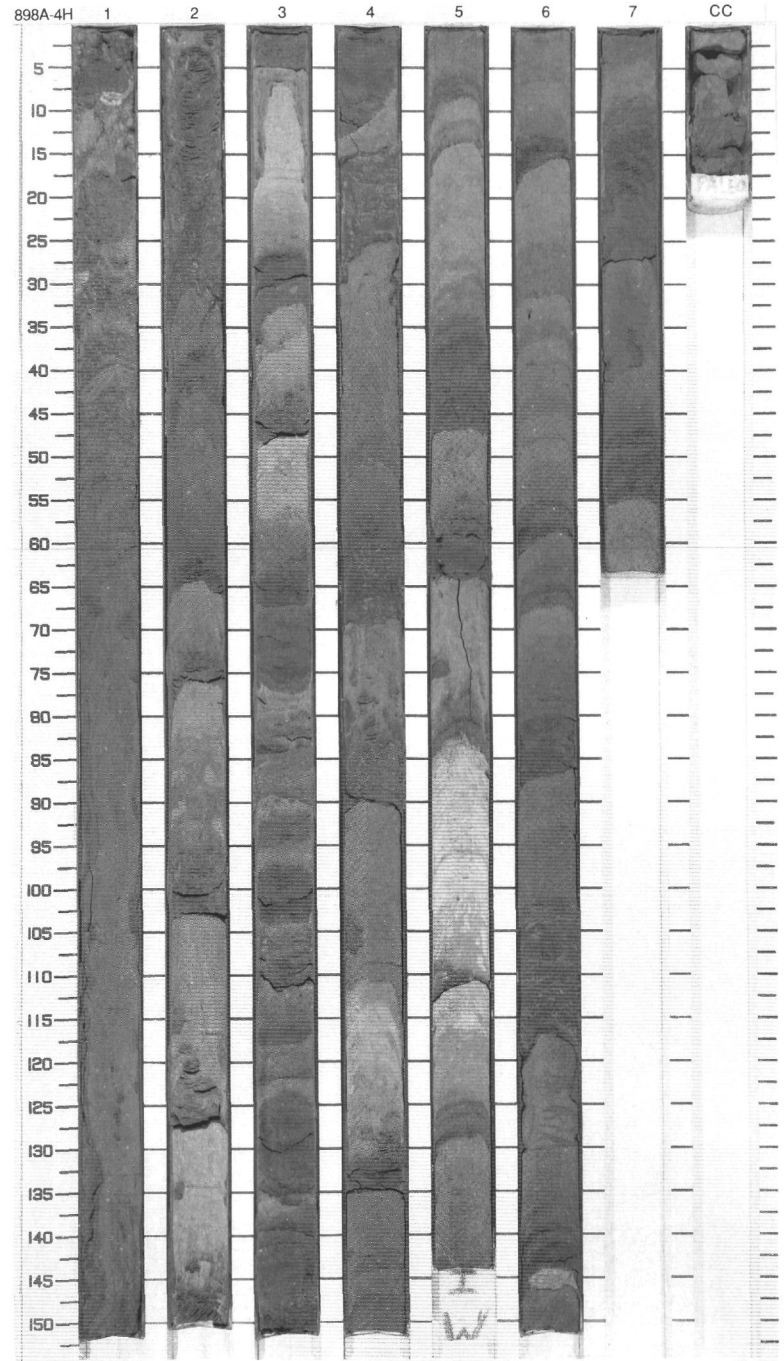
CORED 18.7 - 28.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	...		P	5Y 4/1 To 5Y 6/1	<p>SILTY FINE SAND and CALCAREOUS SILTY CLAY</p> <p>Major Lithologies: Olive gray (5Y 4/1) SILTY FINE SAND makes up about 35% of the core and olive gray (5Y 4/1) CALCAREOUS SILTY CLAY around 30%.</p> <p>Minor Lithologies: Light olive gray (5Y 6/1) NANNOFOSSIL CLAY makes up 20% and yellowish gray (5Y 8/1) CLAYEY NANNOFOSSIL OOZE 15% of the core.</p> <p>General Description: Several graded sequences, from 10 to 60 cm thick, with a basal sand layer, grade upwards into CALCAREOUS SILTY CLAY and a top layer of NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE. Manganese laminae of dark reddish purple (5RP 2/2) occur throughout the core.</p>
2	[Horizontal lines]	2		}}	---	P S		
3	[Vertical lines]	3		}}	---	P		
4	[Dotted pattern]	4		}}	---	S		
5	[Horizontal lines]	5		}}	---	P		
6	[Vertical lines]	6		}}	---	P S		
7	[Dotted pattern]	7		}}	---	P		
8	[Horizontal lines]	8		}}	---	I		
9	[Vertical lines]	9		}}	---	P		
CC	[Dotted pattern]	CC		}}	---	M		



SITE 898 HOLE A CORE 4H CORED 28.2 - 37.7 mbsf

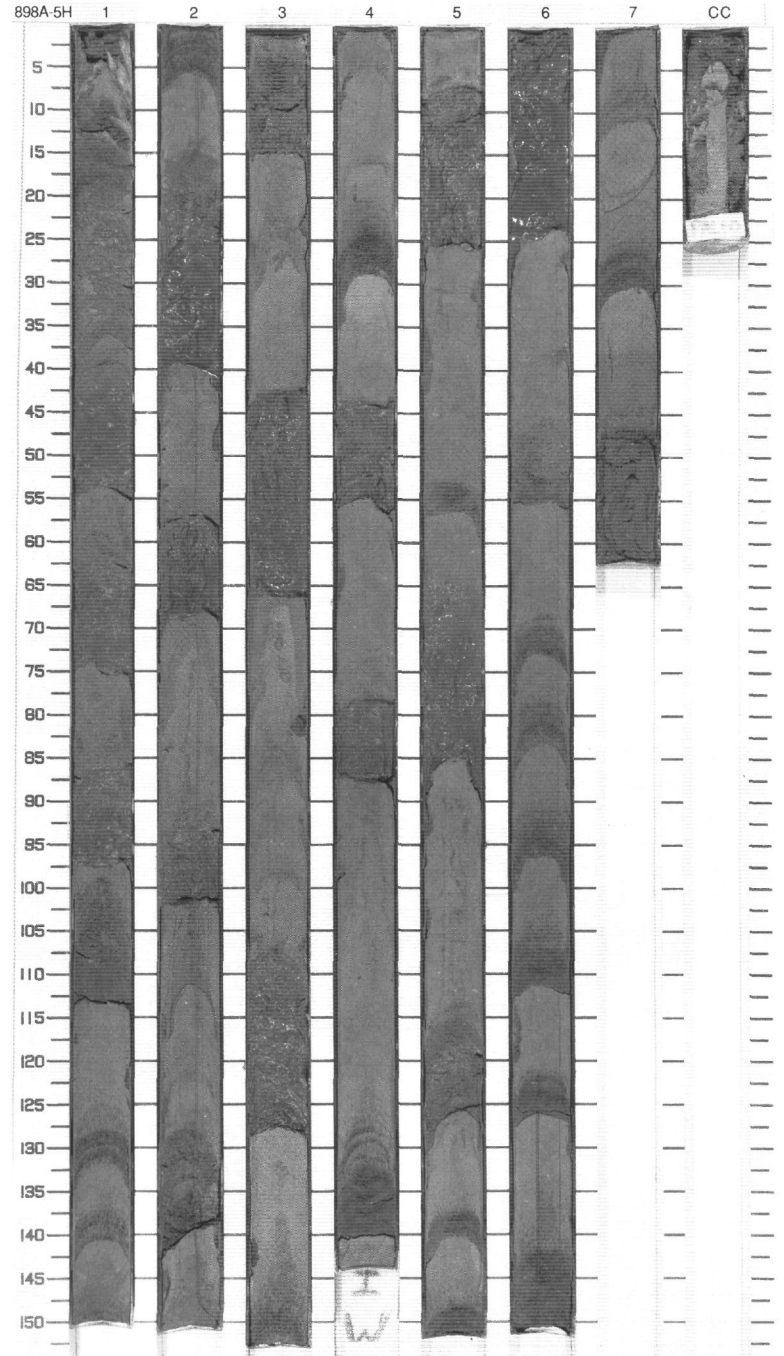
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene			P	5Y 4/1	CLAY and SAND  Major Lithologies: The CLAY is olive gray (5Y 4/1) and constitutes about 50% of the core. The olive gray (5Y 4/1) SAND is fine-grained and makes up about 30% of the core.
2	[Dotted pattern]	2		...	S P			Minor Lithologies: A medium light gray (N6) FORAMINIFER SAND layer represents less than 1% of the core and is present at Section 6, 143 cm. It grades upward into a light olive gray (5Y 6/1) NANNOFOSSIL CLAYSTONE which makes up 18% of the core. NANNOFOSSIL OOZE is medium light gray (N6) to yellowish gray (5Y 7/1) and represents about 3% of the core.
3	[Dotted pattern]	3		...	S			
4	[Dotted pattern]	4		...	P			
5	[Dotted pattern]	5		...				
6	[Dotted pattern]	6		...	P		5Y 4/1 To 5Y 6/1	General Description: Two types of graded sequences occur in this core. One consists of a basal SAND grading upward into mostly olive gray (5Y 4/1) CLAY. The other type, which is absent in Sections 6 and 7, consists of a basal sand grading upward into a light olive gray (5Y 6/1) NANNOFOSSIL CLAY. The maximum thickness of both sequences is about 25 cm.
7	[Dotted pattern]	7		...	S P			
8	[Dotted pattern]	6	...	I				
9	[Dotted pattern]	7	...	P				
	[Dotted pattern]	CC				M		



SITE 898 HOLE A CORE 5H

CORED 37.7 - 47.2 mbsf

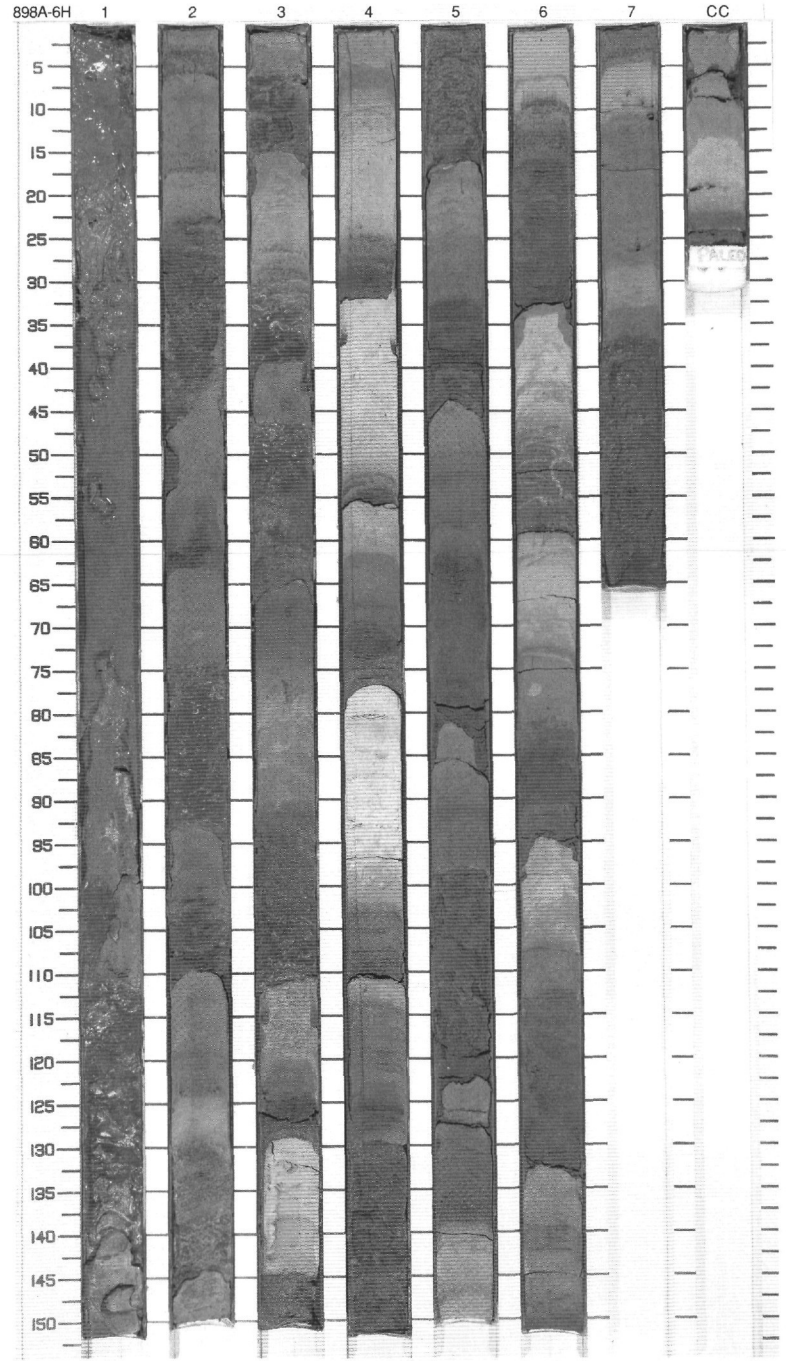
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		...	W			<p>SILTY CLAY and SAND</p> <p>Major Lithologies: The olive gray (5Y 4/1) SILTY CLAY comprises 60% of core. The SAND is olive black (5Y 2/1) and comprises 40% of the core.</p> <p>Minor Lithology: Light olive gray (5Y 5/2) CLAY comprises &lt;1% of core and contains a small amount of carbonate.</p> <p>General Description: Graded sequences composed of basal very fine SANDS that pass upward into SILTY CLAY occur throughout the core. The SILTY CLAY is structureless except for minor burrowing and parallel laminae at transitions with sands. Minor CLAY occurs at the tops of three sequences. SAND thickness varies from 1 to 25 cm, SILTY CLAY from 5 to 30 cm.</p>
2		2		...		P		
3		3		...		P		
4		3		...		P		
5		4	Pleistocene	...		P	5Y 2/1 To 5Y 2/1	
6		4		...		I		
7		5		...		S		
8		6		...		P		
9		7		...		M		
		CC						



SITE 898 HOLE A CORE 6H

CORED 47.2 - 56.7 mbsf

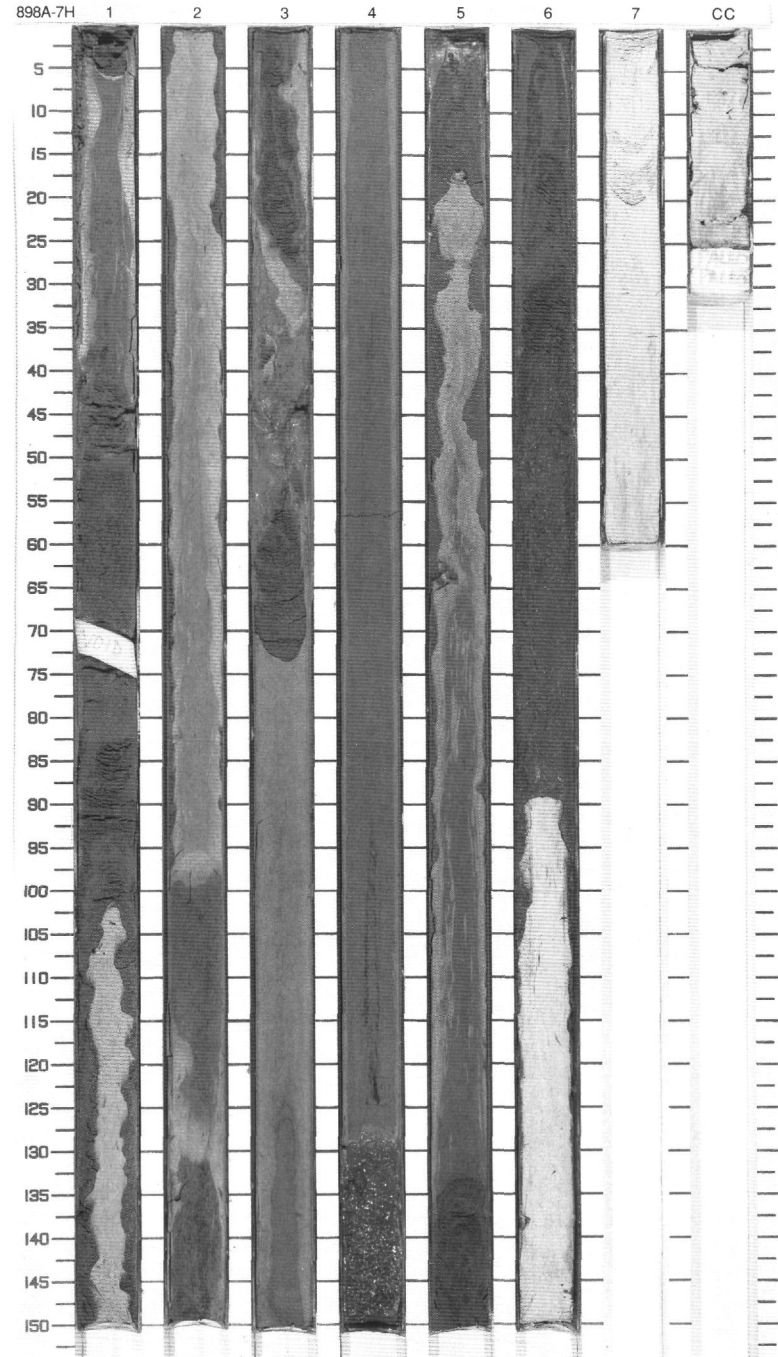
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	Pleistocene	...	OOOOOOOOOO			<p><b>CALCAREOUS SILTY CLAY, SAND and NANNOFOSSIL CLAY</b></p> <p><b>Major Lithologies:</b>                      The greenish black (5G 2/1) SAND makes up about 50% of the core and is mostly fine-grained, although some medium-grained SAND also occurs.                      The greenish black (5G 2/1) CALCAREOUS SILTY CLAY comprises about 30% of the core and the greenish gray (5G 6/1) to medium light gray (N6) NANNOFOSSIL CLAY forms 20% of the core.</p> <p><b>Minor Lithology:</b>                      The light gray (N7) NANNOFOSSIL OOZE constitutes about 1% of the core and is only present in Section 4.</p> <p><b>General Description:</b>                      Graded sequences occur throughout the core and range from about 10 to 40 cm in thickness. These sequences are dominated by SAND overlain by CALCAREOUS SILTY CLAY in Section 2. NANNOFOSSIL CLAY is common in the remainder of the core and overlies the CALCAREOUS SILTY CLAY. NANNOFOSSIL OOZE, where present, overlies the NANNOFOSSIL CLAY. In places, the NANNOFOSSIL OOZE appears to have been eroded away by overlying graded sequences. The SAND intervals are usually soupy and sedimentary structures are destroyed or disrupted.</p>
2	[Pattern]	2		...	---		5G 2/1	
3	[Pattern]	3		}}	---			
4	[Pattern]	3		}}	---			
5	[Pattern]	4		}}	---			
6	[Pattern]	4		}}	---			
7	[Pattern]	5		}}	---		5G 2/1 To 5G 6/1	
8	[Pattern]	6		}}	---			
9	[Pattern]	7		}}	---			
		CC		}}			M	



SITE 898 HOLE A CORE 7H

CORED 56.7 - 66.2 mbsf

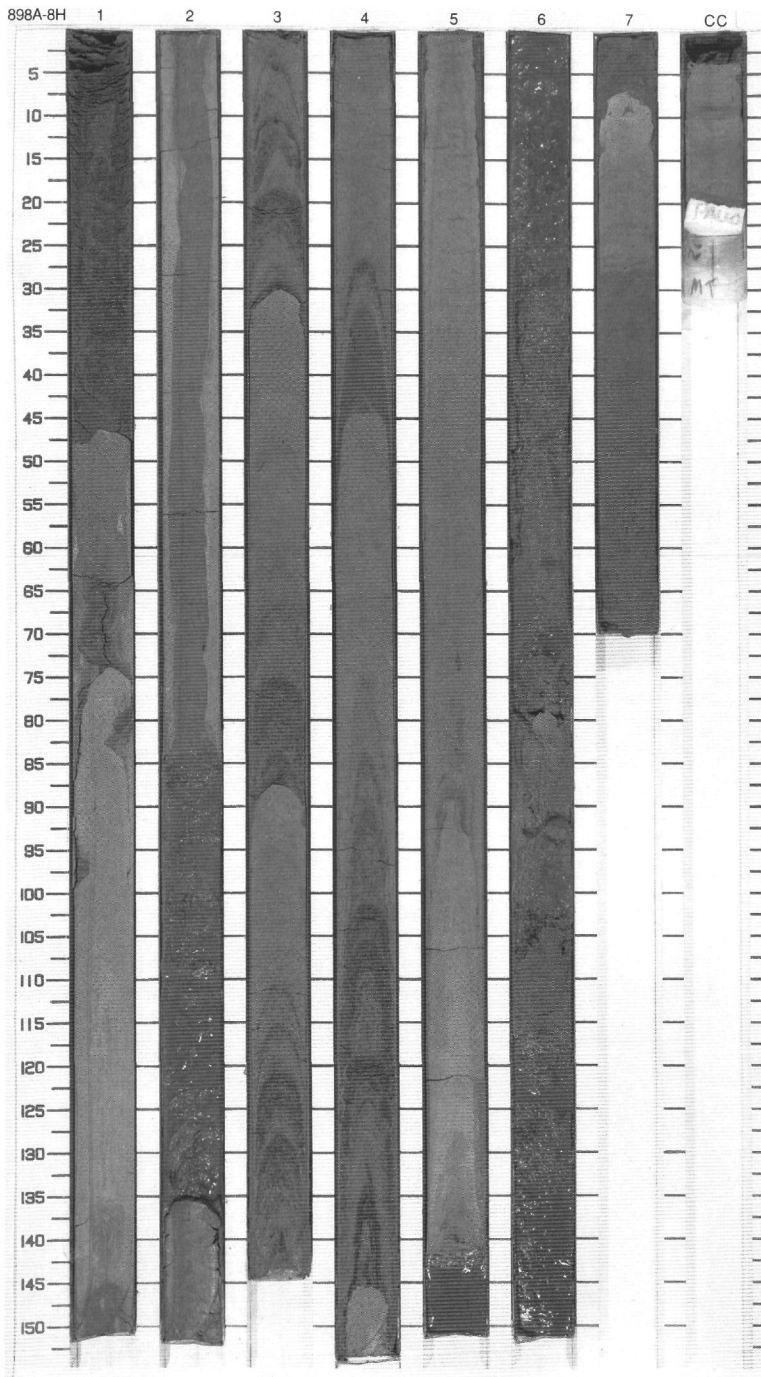
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	VOID	1	Pleistocene			P		SAND and CALCAREOUS SILTY CLAY  Major Lithologies: Dark greenish gray (5GY 4/1) SAND comprises 30% of the core, and CALCAREOUS SILTY CLAY showing the same color forms 33%.  Minor Lithologies: NANNOFOSSIL CLAY is greenish gray (5GY 5/1) in color and comprises 20% of the core. NANNOFOSSIL OOZE is very light gray (N8) and forms 17% of the core, mostly over the interval from Section 7, 0 cm to the Core Catcher, 26 cm.  General Description: The core is intensely disturbed, lithologies have flowed in up to 70 cm along the sections, and in places a column of one lithology is surrounded by another. This disturbance has obliterated any structures or grading that may have been present, and makes it impossible to determine the original positions of boundaries between lithologies. An attempt has been made in the 'Graphic Lithology' column to indicate the main lithological changes through the core.
2		2			P			
3		3			P			
4		4			P		5GY 4/1 To 5GY 5/1	
5		5			P			
6		6			P			
7		7			P			
8		6			P			
9		7			P		N8	
		CC				M		



SITE 898 HOLE A CORE 8H

CORED 66.2 - 75.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene			P	5GY 4/1 To 5G 4/1	<p>CALCAREOUS SILTY CLAY and SAND</p> <p>Major Lithologies:                      CALCAREOUS SILTY CLAY is dark greenish gray (5GY 4/1) and comprises 50% of the core. SAND (45% of core) is very fine-grained, except in Section 6, 77-95 cm, where fine-grained FORAMINIFER SAND occurs; throughout the core SAND is dark greenish gray (5GY 4/1).</p> <p>Minor Lithology:                      NANNOFOSSIL CLAY forms 5% of the lithologies in the core and is dark greenish gray (5G 4/1) in color.</p> <p>General Description:                      Core disturbance is not as severe in Core 7, but still smears out most structures; some distorted graded units and parallel laminated intervals were observed.</p>
2	[Dotted pattern]	2		...		P		
3	[Dotted pattern]	3		...				
4	[Dotted pattern]	4		...		P		
5	[Dotted pattern]	5		...		P		
6	[Dotted pattern]	6		...		P		
7	[Dotted pattern]	7		...		P		
CC						M		

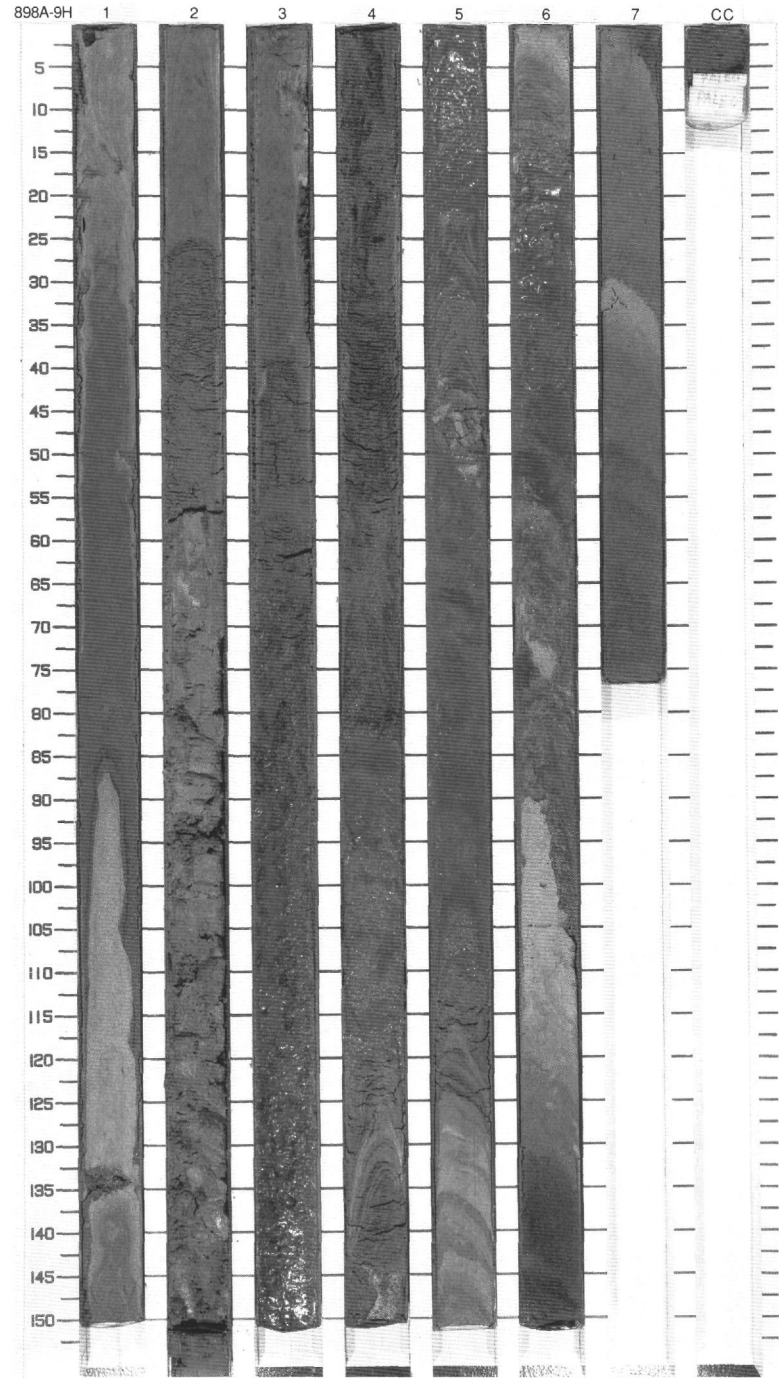




SITE 898 HOLE A CORE 9H

CORED 75.7 - 85.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	Mn		P	5GY 4/1 To 5GY 8/1	<p>SAND and CLAYEY SILT TO SILTY CLAY</p> <p>Major Lithologies: The dark greenish gray (5GY 4/1) to greenish black (5GY 2/1) SAND comprises about 51% of the core and is mostly fine-grained, although some medium-grained SAND also occurs. The dark greenish gray (5GY 4/1) SILTY CLAY to CLAYEY SILT makes up about 46% of the core.</p> <p>Minor Lithologies: Greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL OOZE and light greenish gray (5GY 8/1) foraminifer-rich NANNOFOSSIL OOZE constitutes about 3% of the core and is present in Sections 1, 2, 3, and 7.</p> <p>General Description: Normal graded sequences occur throughout the core and range from about 25 to 50 cm in thickness. These sequences are formed by fine- to medium-grained SAND at their bases, grading upwards to CLAYEY SILT or SILTY CLAY, which in few sequences are overlain by foraminifera-rich CLAYEY NANNOFOSSIL OOZE or NANNOFOSSIL OOZE. The SAND intervals are mostly soupy and sedimentary structures originally present are destroyed.</p>
2	[Hatched pattern]	2			P			
3	[Dotted pattern]	3			P	5GY 4/1		
4	[Dotted pattern]	4			S P	5GY 4/1 To 5Y 4/1		
5	[Dotted pattern]	5			P			
6	[Dotted pattern]	6			S	5GY 4/1		
7	[Dotted pattern]	7		Mn		S P	5GY 4/1 To 5GY 6/1	
8	[Hatched pattern]	8			P			
9	[Hatched pattern]	9			M			



SITE 898 HOLE A CORE 10H CORED 85.2 - 94.7 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturbo	Sample	Color	Description
1	[Dotted pattern]	1		○○○	S	5GY 2/1 To 5GY 6/1	<p>SAND, SILTY CLAY and CLAY</p> <p>Major Lithologies: The greenish black (5GY 2/1) to dark greenish gray (5GY 4/1) SAND comprises about the 65% of the core and is mostly fine-grained although medium-grained SAND occurs. The dark greenish gray (5GY 4/1) SILTY CLAY makes up about 20% of the lithologies.</p> <p>Minor Lithologies: The olive gray (5Y 4/1) CLAY represents less than 5% of the core, and the greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL OOZE about 10% of the core lithologies; they are moderately bioturbated.</p> <p>General Description: The core consists of several sharp-based sequences that grade from thick (maximum 150 cm) intervals of fine-grained SAND at the base, to SILTY CLAY or CLAY at the top. Several sequences are capped by light colored, bioturbated NANNOFOSSIL OOZE or NANNOFOSSIL CLAYEY OOZE. The upper part of some sequences is delineated by a thin, dark manganese-rich layer.</p>
2	[Dotted pattern]	2	***	---	P		
3	[Dotted pattern]	3	***	---	S	5GY 2/1 To 5GY 4/1	
4	[Dotted pattern]	4	***	○○○	P		
5	[Dotted pattern]	5	***	---	P		
6	[Dotted pattern]	6	***	---	S	5GY 6/1 To 5GY 4/1	
7	[Dotted pattern]	7	***	---	P		
CC				WWW	M		

