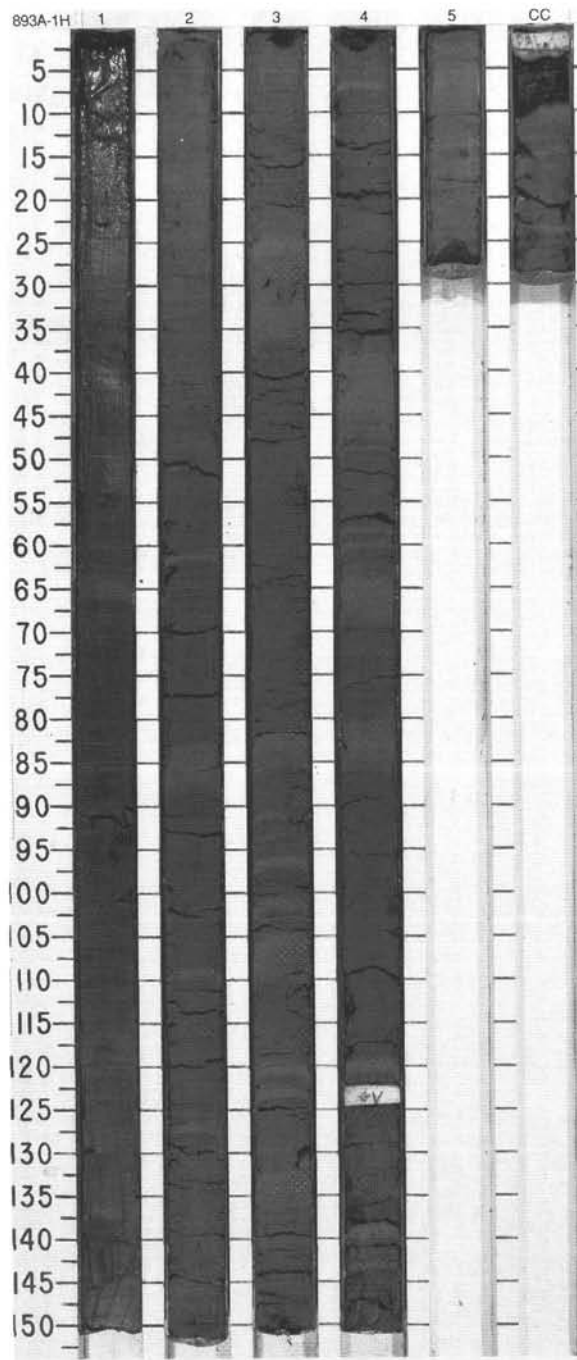


SITE 893 HOLE A CORE 1H

CORED 0.0 - 6.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0-1	[Pattern]	1		[Symbol]	○	S		DIATOM NANNOFOSSIL SILTY CLAY and DIATOM NANNOFOSSIL SILT
1-2	[Pattern]	2		[Symbol]		S		Major Lithologies: The dominant lithology is a well-laminated to indistinctly laminated DIATOM NANNOFOSSIL CLAYEY SILT with clay. Individual, pale/dark laminations were too thin to be subsampled but are probably defined by variation proportions of these major components.
2-3	[Pattern]	3	Holocene	[Symbol]		S		
3-4	[Pattern]	4		[Symbol]		S	5Y 4/2	Minor Lithologies: Gray (5Y 5/1) SILTY CLAY occurs as thin to medium interbeds in Section 1, 64-65 cm, 116-121 cm, 149-150 cm; Section 2, 0-1 cm, 61-62 cm, 83-88 cm, 109-110 cm, 128 cm; Section 3, 25-37 cm, 82-85 cm, 96-97 cm, 101-103 cm, 105-110 cm, 120-121 cm, 123-124 cm, 133-136 cm; Section 4, 5-7 cm, 38-49 cm, 58-59 cm, 60-61 cm, 64-70 cm, 80-86 cm, 119-121 cm, 138-140 cm, 142.5-143 cm; Section 5, 2-3 cm, 4-9 cm, 14-15 cm; CC, 9-11 cm, 23-24 cm. Olive gray (5Y 4/2) SILTY CLAY NANNOFOSSIL OOZE with diatoms as massive beds in Section 1, 0-13 cm, 41-53 cm, 70-91 cm; Section 2, 19-26 cm, 68-80 cm, 138-150 cm; Section 3, 46-65 cm; Section 4, 93-114 cm. Thin SAND layers are occasionally associated with the gray interbeds e.g. at Section 4, 47-48 cm.
4-5	[Pattern]	5		[Symbol]		S		
5-6	[Pattern]	CC		[Symbol]		S		

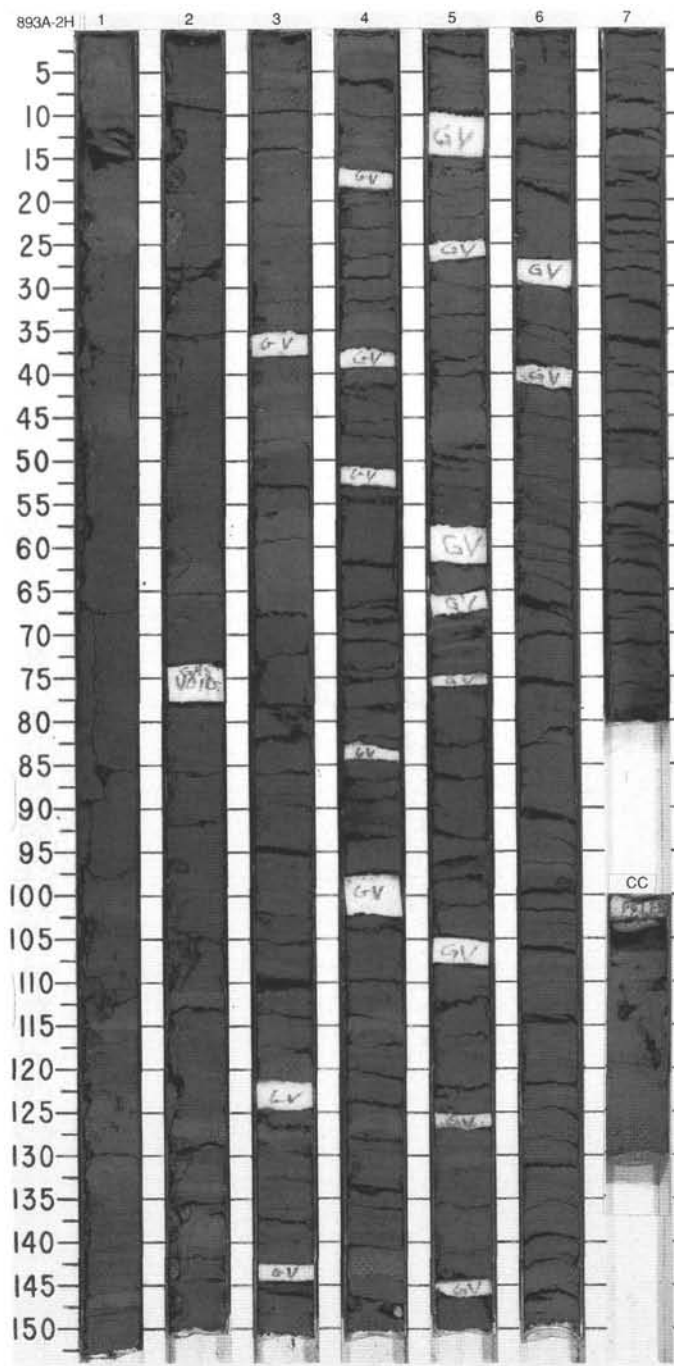
Information on Core Description Forms, for ALL sites, represents field notes taken aboard ship. Some of this information has been refined in accord with post-cruise findings, but production schedules prohibit definitive correlation of these forms with subsequent findings. Thus, the reader should be alerted to the occasional ambiguity or discrepancy.



SITE 893 HOLE A CORE 2H

CORED 6.5 - 16.0 mbsf

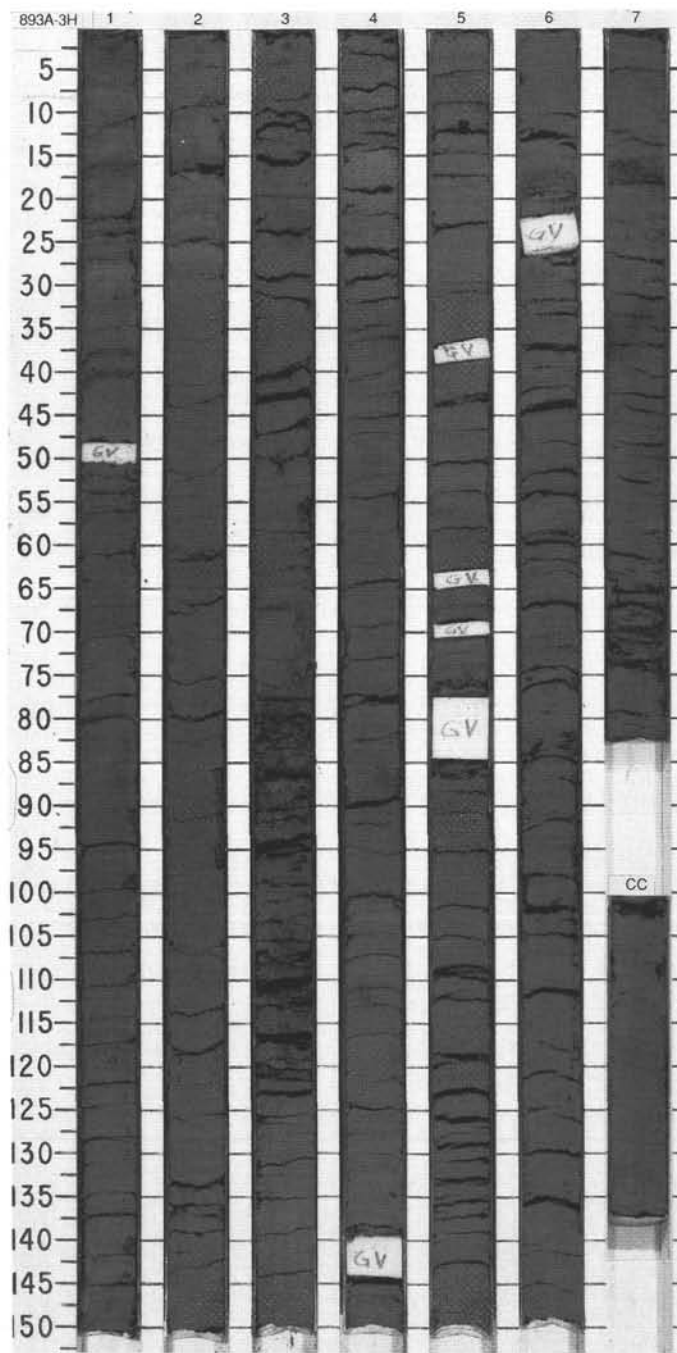
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0								DIATOM NANNOFOSSIL SILTY CLAY and DIATOM NANNOFOSSIL CLAYEY SILT
1		1				S		
2		2				S		Major Lithologies: Olive gray (5Y 4/2) DIATOM NANNOFOSSIL SILTY CLAY and DIATOM NANNOFOSSIL CLAYEY SILT. This sediment contains variably preserved laminations, most commonly with traces of laminations but with some intervals containing well-preserved laminations. Distinct, (<1mm) burrows are sometimes seen disrupting laminations, e.g. in Section 2, 130-134 cm.
3		3		M				Minor Lithologies: Gray (5Y 5/1) SILTY CLAY and NANNOFOSSIL SILTY CLAY occurs as thin to medium interbeds in Section 1, 4-11 cm, 22-25 cm, 44-46 cm, 114-115 cm, 124-135 cm, 146-148 cm; Section 2, 62-65 cm, 111-112 cm, 126-128 cm, 133-134 cm, 137-140 cm; Section 3, 5-6 cm, 41-42 cm, 45-49 cm, 56-58 cm, 120-128 cm; Section 4, 0-2 cm, 15-16 cm, 33-34 cm, 114-116 cm, 126-128 cm, 141-144 cm; Section 5, 44-47 cm, 63-65 cm, 68-69 cm, 70-71 cm, 73-74 cm; Section 6, 96-97 cm, 143-147 cm; Section 7, 9-15 cm, 51-55 cm.
4		4	Holocene				5Y 4/2	
5		5				S		Olive Gray (5Y 4/2) DIATOM NANNOFOSSIL SILTY CLAY with diatoms as a massive bed in Section 5, 77-103 cm. Thin SAND layers are occasionally present, e.g. at Section 5, 97-98 cm. A small patch of laminated olive gray material occurs in a gray bed at Section 5, 130-132 cm. Foraminifer and pollen samples from the Core Catcher suggest a Holocene age.
6		6				S		
7		7				S		
8		6						
9		7						
10		CC						



SITE 893 HOLE A CORE 3H

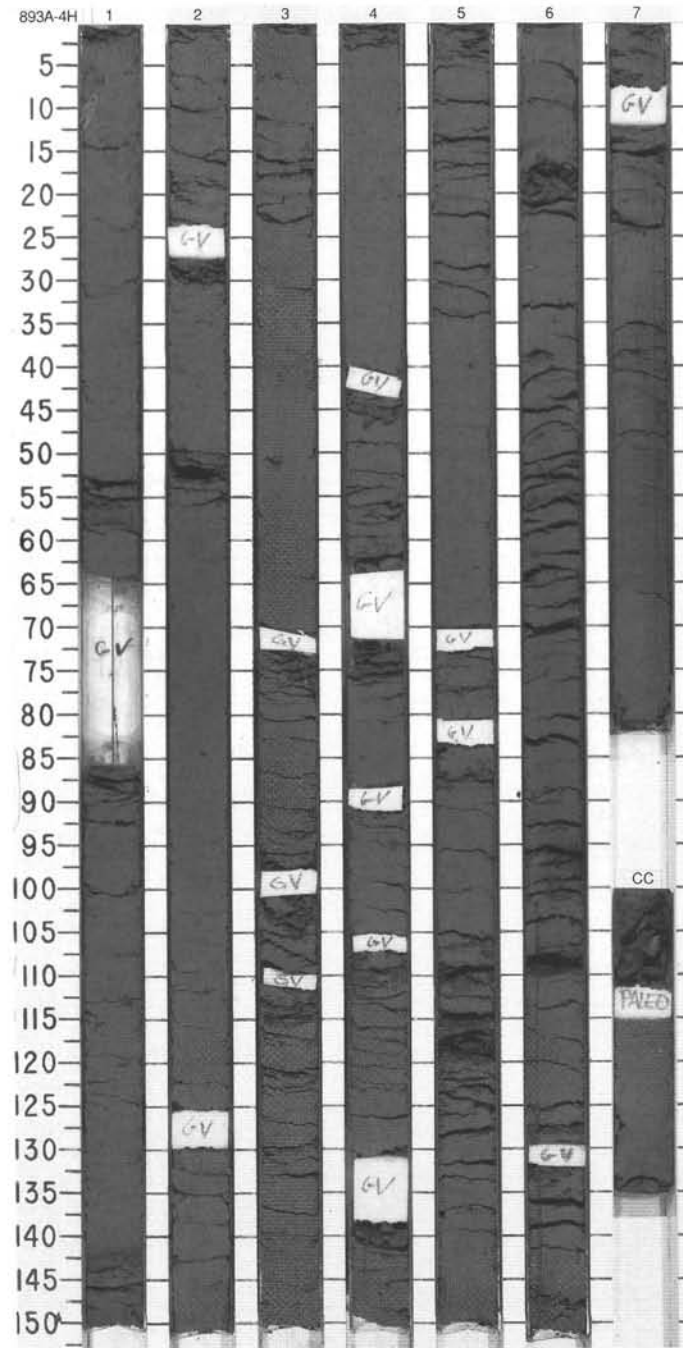
CORED 16.0 - 25.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lith. 1]	1	late Pleistocene- Holocene	[Structure 1]		S		<p>DIATOM NANNOFOSSIL SILTY CLAY and DIATOM NANNOFOSSIL CLAYEY SILT</p> <p>Major Lithologies: Olive gray (5Y 4/2) DIATOM NANNOFOSSIL SILTY CLAY and DIATOM NANNOFOSSIL CLAYEY SILT. Generally well laminated with pale/dark sub-millimeter-scale laminations in Sections 1, 4, 5, and 6. Massive and structureless in Sections 2 and 3 and Section 6, 75 cm-CC.</p> <p>Minor Lithologies: Gray SILTY CLAY and NANNOFOSSIL SILTY CLAY occur as thin to medium interbeds in Section 1, 7-9 cm; 28-37 cm; 70-85 cm; 95-96 cm; Section 2, 25-26 cm; Section 4, 15-21 cm.</p> <p>5Y 4/2 A tar-saturated pebble-sized fragment of wood or charcoal occurs in Section 5, 11 cm.</p>
2	[Graphic Lith. 2]	2		[Structure 2]		S		
3	[Graphic Lith. 3]	3		[Structure 3]		S		
4	[Graphic Lith. 4]	4		[Structure 4]		S		
5	[Graphic Lith. 5]	5		[Structure 5]		S		
6	[Graphic Lith. 6]	6		[Structure 6]		S		
7	[Graphic Lith. 7]	7		[Structure 7]		S		
8	[Graphic Lith. 8]	8		[Structure 8]		S		
9	[Graphic Lith. 9]	9		[Structure 9]		S		
10	[Graphic Lith. 10]	10		[Structure 10]		S		



SITE 893 HOLE A CORE 4H CORED 25.5 - 35.0 mbsf

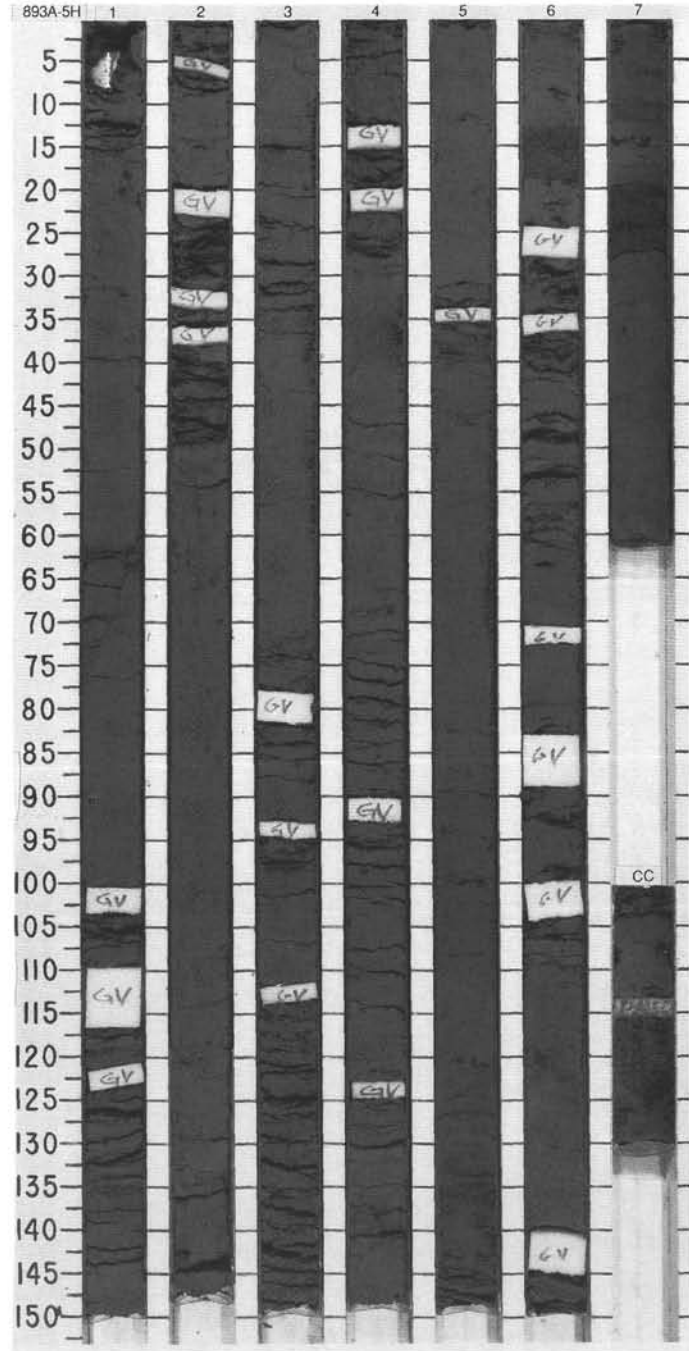
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1				<p>SILTY CLAY</p> <p>Major Lithology: Olive gray (5Y4/2) SILTY CLAY. This lithology is utterly structureless. No gray beds are present. Shell bearing layers are abundant from Section 5-CC and occasional thin sand layers are present.</p>
2	[Hatched pattern]	2					
3	[Hatched pattern]	3	....			
4	[Hatched pattern]	3	x x				
5	[Hatched pattern]	4					
6	[Hatched pattern]	4	....			
7	[Hatched pattern]	5	x			5YR 4/2	
8	[Hatched pattern]	6	x x x x				
9	[Hatched pattern]	7	x				
10	[Hatched pattern]	CC	x				



SITE 893 HOLE A CORE 5H

CORED 35.0 - 44.5 mbsf

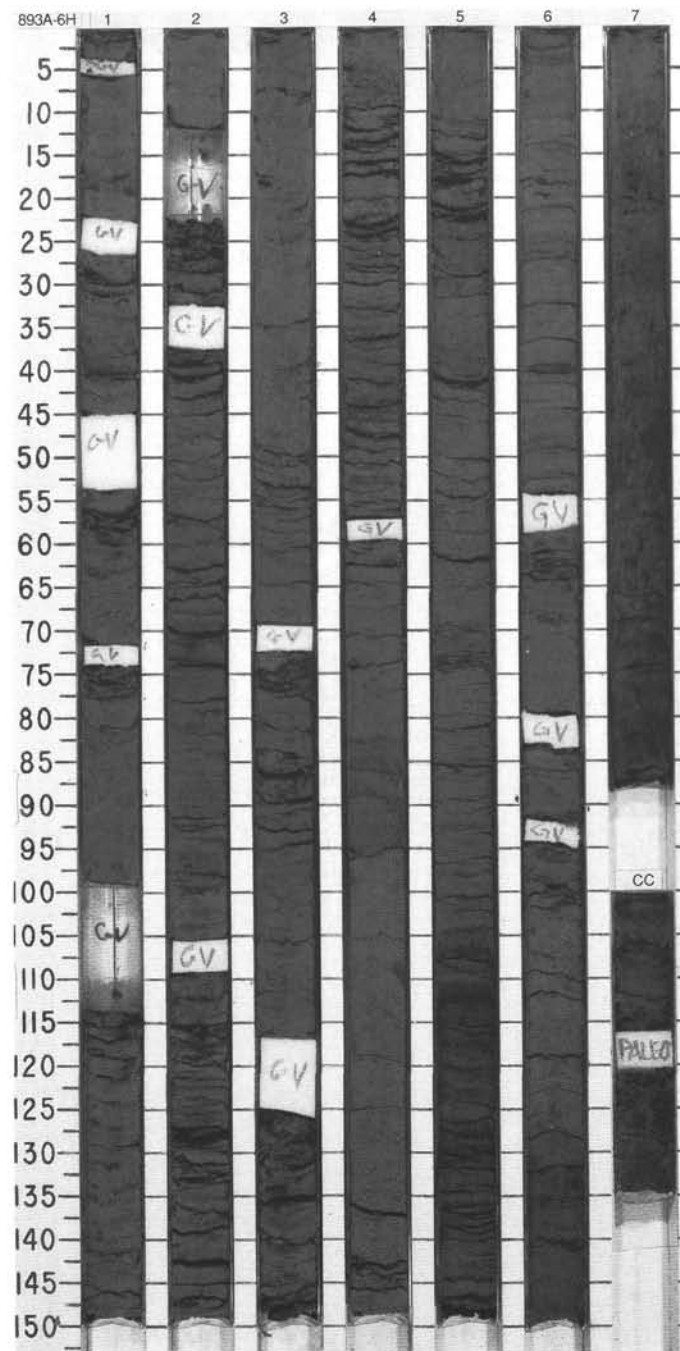
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0-1	[Hatched pattern]	1		Structureless		S		<p>NANNOFOSSIL SILTY CLAY</p> <p>Major Lithology: Olive gray (5Y 4/2) NANNOFOSSIL SILTY CLAY. This lithology is structureless throughout the core. Abundant shell-bearing layers are present. Minor sandy beds are common from Section 6-CC.</p> <p>Minor Lithology: Olive gray (5Y 4/2) well-laminated NANNOFOSSIL DIATOM SILTY CLAY at Section 1, 69-72 cm, Section 5, 134-150 cm, Section 6, 0-2 cm, and Section 7, 0-28 cm.</p>
1-2	[Hatched pattern]	2		Structureless				
2-3	[Hatched pattern]	3		Structureless		S		
3-4	[Hatched pattern]	4		Structureless				
4-5	[Hatched pattern]	5	late Pleistocene	Structureless			5Y 4/2	
5-6	[Hatched pattern]	6		Structureless				
6-7	[Hatched pattern]	7		Structureless				
7-8	[Hatched pattern]	CC		Structureless		S		



SITE 893 HOLE A CORE 6H

CORED 44.5 - 54.0 mbsf

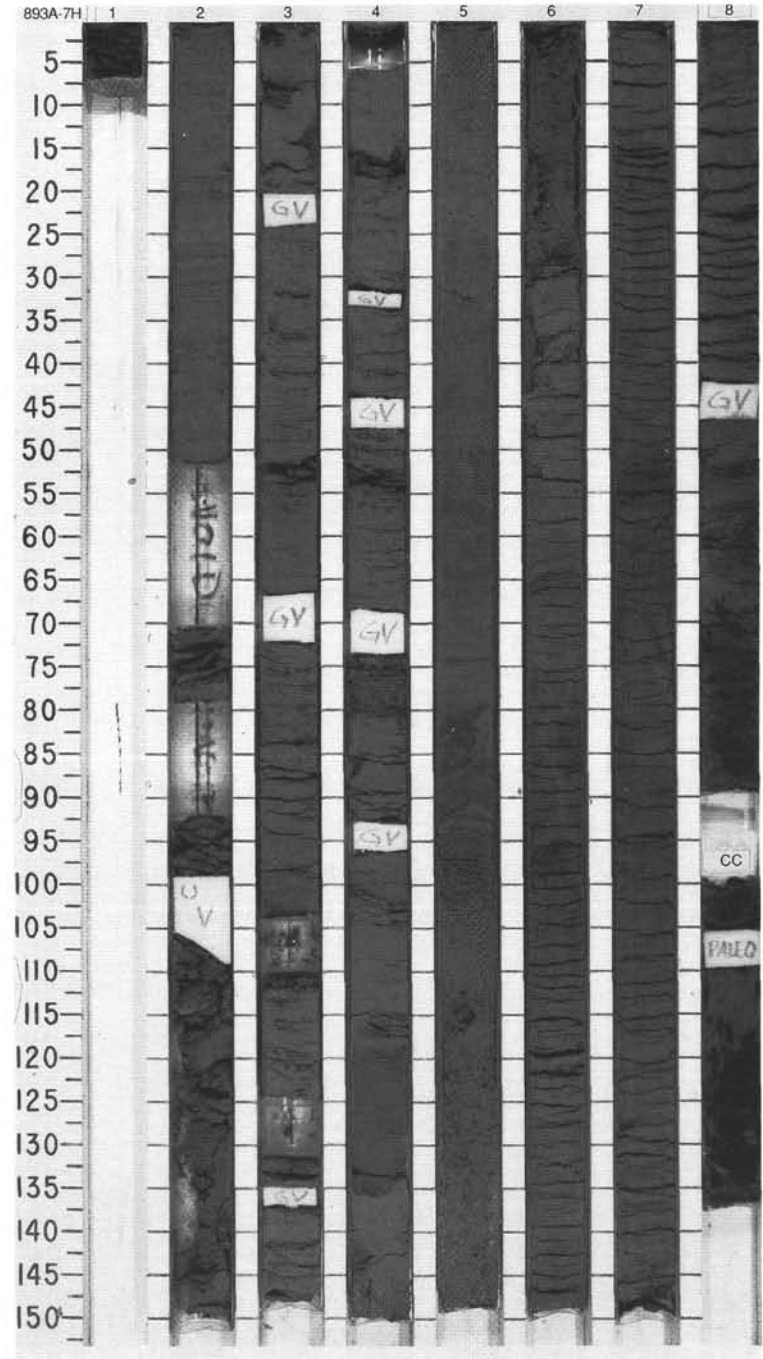
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		✗				SILTY CLAY
2	[Hatched pattern]	2		✗				Major Lithology: Olive gray (5Y 4/2) SILTY CLAY. This lithology is structureless throughout the core. Minor sands beds and shell bearing layers are present, but contain fewer sand and shell layers than Cores 4H and 5H. Clay content varies throughout the core. Minor mica content is present in more silt-rich intervals (clayey silt).
3	[Hatched pattern]	3		✗		S		Minor Lithology: Orange Ochreous DIATOM NANNOFOSSIL CLAYEY SILT. This lithology contains amorphous brown aggregates.
4	[Hatched pattern]	4	late Pleistocene	✗		S		Ochreous mottling in Section 6, 66-150 cm, and throughout Section 7.
5	[Hatched pattern]	5		✗		S	5Y 4/2	
6	[Hatched pattern]	6		✗		S		
7	[Hatched pattern]	7		✗				
8	[Hatched pattern]	8		✗				
9	[Hatched pattern]	9		✗				
10	[Hatched pattern]	10		✗				



SITE 893 HOLE A CORE 7H

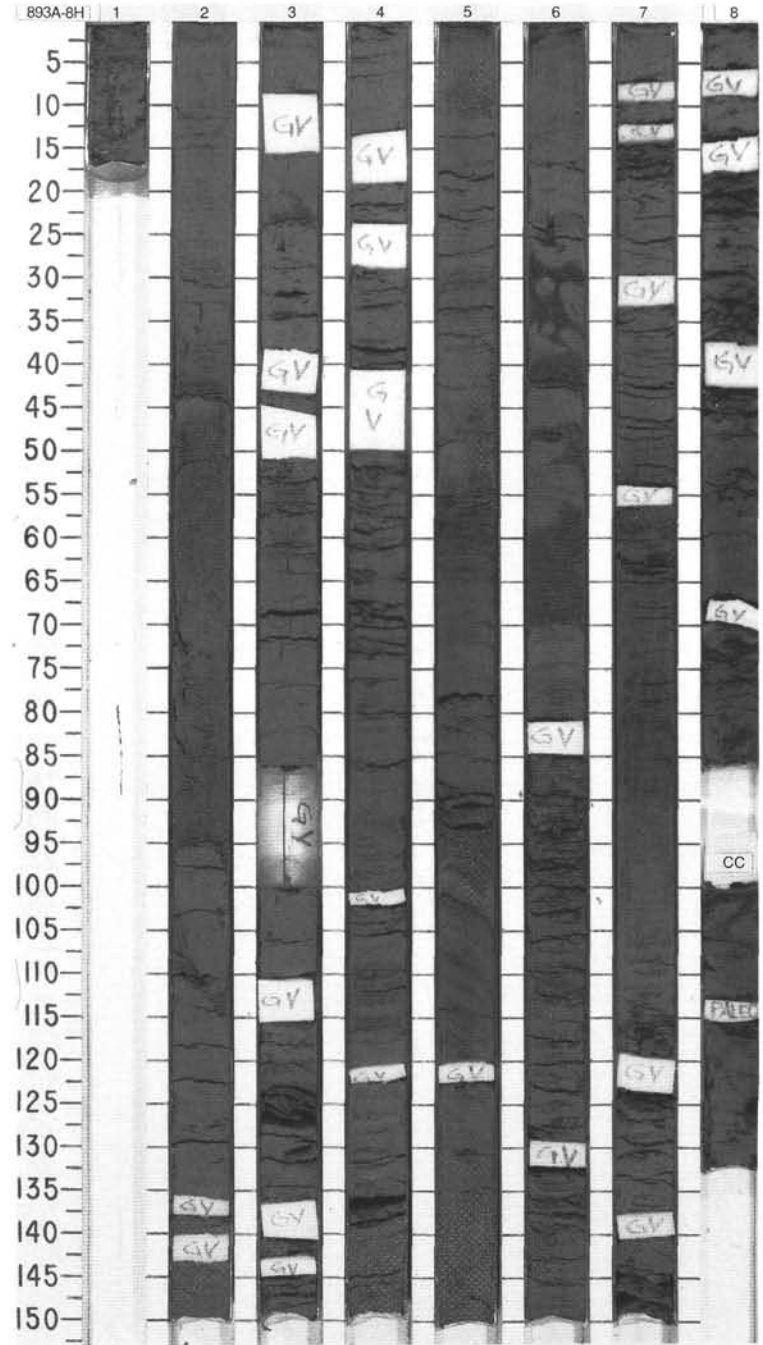
CORED 54.0 - 63.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Symbol]	2		[Symbol]		S		DIATOM SILTY CLAY TO DIATOM CLAYEY SILT
2	[Symbol]	3		[Symbol]				Major Lithology: Olive gray (5Y 4/2) DIATOM SILTY CLAY TO DIATOM CLAYEY SILT. This lithology is mainly structureless but contains an indistinctly laminated interval in Section 2, 0-50 cm. There are frequent sandy beds.
3	[Symbol]	4		[Symbol]				Minor Lithologies: SAND occurs as very thin to medium beds between 2-40 cm thick throughout the core.
4	[Symbol]	4		[Symbol]				Olive gray (5Y 4/2) well-laminated NANNOFOSSIL DIATOM SILTY CLAY occurs at Section 1, 0-35 cm, Section 7, 102-150 cm, and Section 8, 0-14 cm.
5	[Symbol]	5	late Pleistocene	[Symbol]		S	5Y 4/2	
6	[Symbol]	5		[Symbol]		S		
7	[Symbol]	6		[Symbol]		S		
8	[Symbol]	7		[Symbol]				
9	[Symbol]	8		[Symbol]				
10	[Symbol]	CC		[Symbol]				



SITE 893 HOLE A CORE 8H CORED 63.5 - 73.0 mbsf

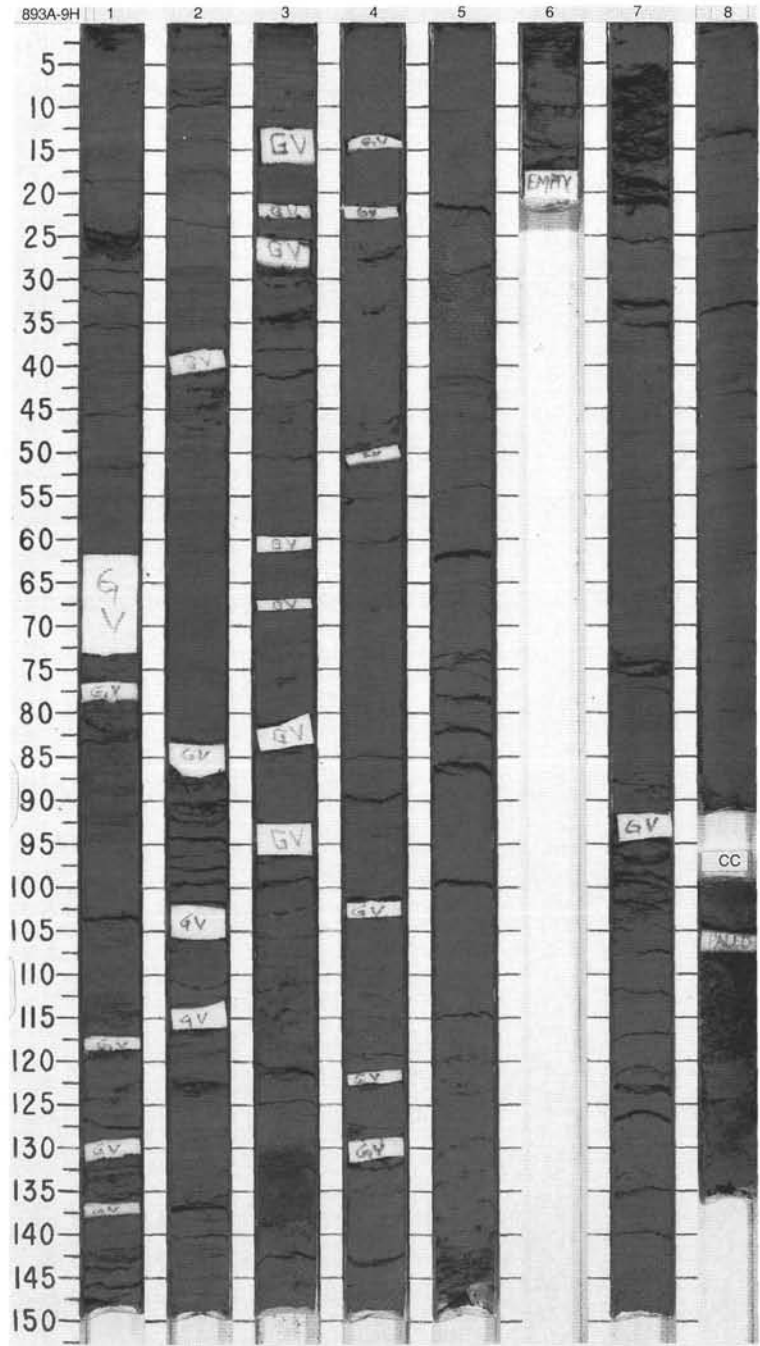
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Symbol]	1		∞		S		<p>DIATOM SILTY CLAY</p> <p>Major Lithology: Olive gray (5Y 4/2) DIATOM SILTY CLAY. This lithology is mainly structureless with two minor intervals containing traces of lamination in Section 2, 0-31 cm and Section 5, 100-120 cm.</p> <p>Minor Lithology: Dark gray (5Y 3/1) SAND occurs as very thin to thick beds.</p> <p>Olive gray (5Y 4/2) well-laminated NANNOFOSSIL DIATOM SILTY CLAY occurs at Section 1, 0-16 cm, Section 2, 0-17 cm, Section 4, 109-150 cm, Section 5, 0-107 cm, and Section 6, 70-120 cm.</p>
2	[Symbol]	2		∞				
3	[Symbol]	3		∞				
4	[Symbol]	4		∞				
5	[Symbol]	5	late Pleistocene	∞			5Y 4/2	
6	[Symbol]	6		∞				
7	[Symbol]	6		∞				
8	[Symbol]	7		∞				
9	[Symbol]	8		∞				
10	[Symbol]	CC		∞				



SITE 893 HOLE A CORE 9H

CORED 73.0 - 82.5 mbsf

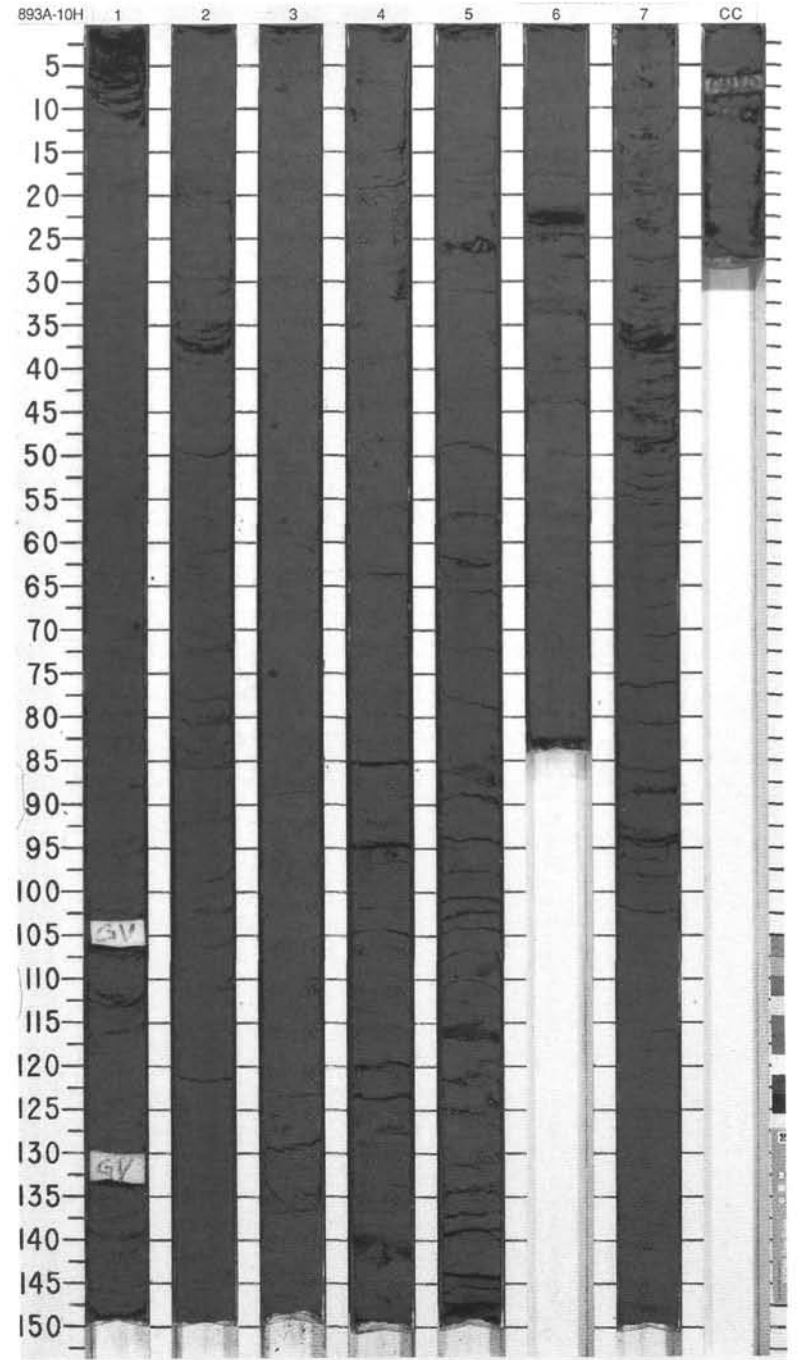
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[diagonal lines]	1	Pleistocene	....				DIATOM SILTY CLAY TO DIATOM CLAYEY SILT
2	[diagonal lines]	2		∞	S			Major Lithology: Olive gray (5Y 4/2) DIATOM SILTY CLAY and DIATOM CLAYEY SILT. This lithology is mainly structureless but contains some well-laminated intervals.
3	[diagonal lines]	3		∞				Minor Lithologies: Dark gray (5Y 3/1) SAND occurs as isolated thin beds with a thicker bed in Section 2, 127.5-137 cm.
4	[diagonal lines]	4		∞	....			An isolated gray bed occurs in Section 2, 19-17 cm.
5	[diagonal lines]	5		∞	∞			Pale olive (5Y 6/4) DIATOM OOZE occurs irregularly as isolated millimeter-scale laminations within the regular pale/dark laminated intervals e.g. at Section 1, 141 cm and Section 5, 39 cm.
6	[diagonal lines]	6		∞				
7	[diagonal lines]	7		∞				
8	[diagonal lines]	8		∞				
9	[diagonal lines]	9		∞				
10	[diagonal lines]	10		∞	....		
	[diagonal lines]	CC						



SITE 893 HOLE A CORE 10H

CORED 82.5 - 92.0 mbsf

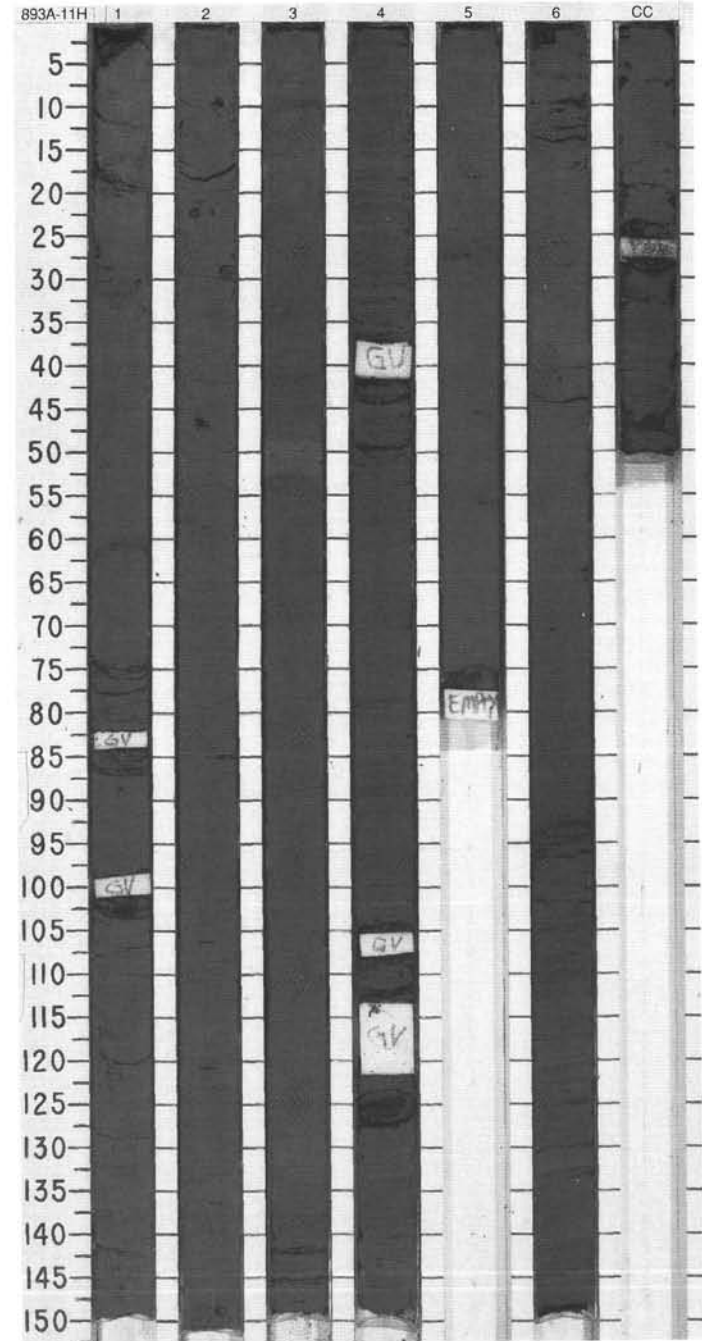
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	∞		S	5Y 4/2	SILTY CLAY
2		2		∞				
3		3		∞				Minor Lithology: Dark gray (5Y 3/1) SAND occurs as a few very thin interbeds.
4		4		∞				A single gray (5Y 5/1) bed occurs at Section 6, 47–60 cm, immediately below the thin laminated interval.
5		5		∞				Small siltstone pebbles occur within the SILTY CLAY in Section 1, 69 cm; Section 3, 47 cm, 58 cm, 61 cm, 76 cm; Section 4, 96 cm; Section 5, 25–27 cm.
6		6		∞	S		
7		7		∞			
8		8		∞		S S		
9		9		∞				
10		CC						



SITE 893 HOLE A CORE 11H

CORED 92.0 - 101.5 mbsf

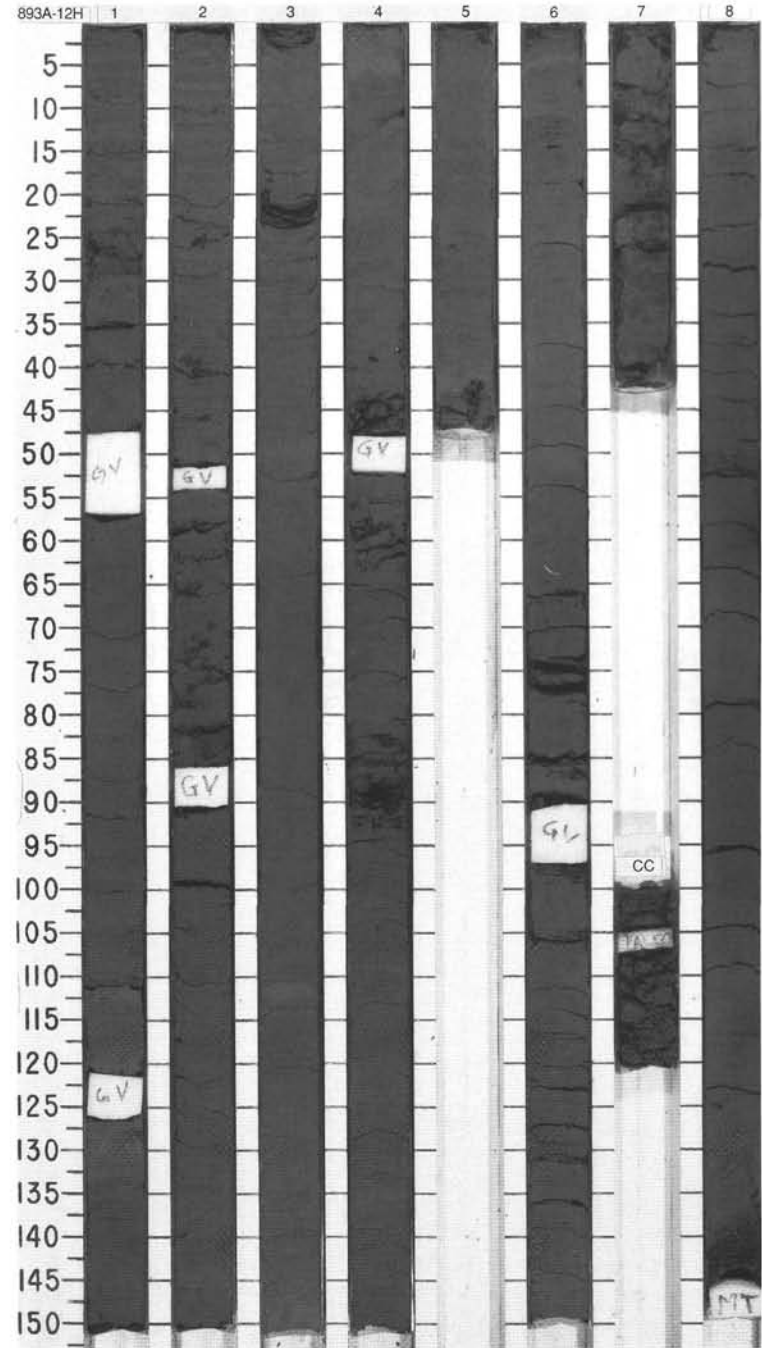
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1						<p>DIATOM SILTY CLAY</p> <p>Major Lithology: Olive gray (5Y 4/2) DIATOM SILTY CLAY. This lithology is mainly structureless with minor pale/dark sub-millimeter scale laminated intervals in Section 5, Section 6 (80-150 cm), and CC.</p> <p>Minor Lithology: Pale olive (5Y 6/3) DIATOM OOZE occurs as separate lamina within laminated intervals.</p>
2	[Hatched pattern]	2		X				
3	[Hatched pattern]	3		X				
4	[Hatched pattern]	3	late Pleistocene	[Cross-hatched]	S		5Y 4/2	
5	[Hatched pattern]	4			S			
6	[Hatched pattern]	5		X				
7	Void	6		X				
8	[Hatched pattern]	6		X				
	[Hatched pattern]	CC						



SITE 893 HOLE A CORE 12H

CORED 101.5 - 111.0 mbsf

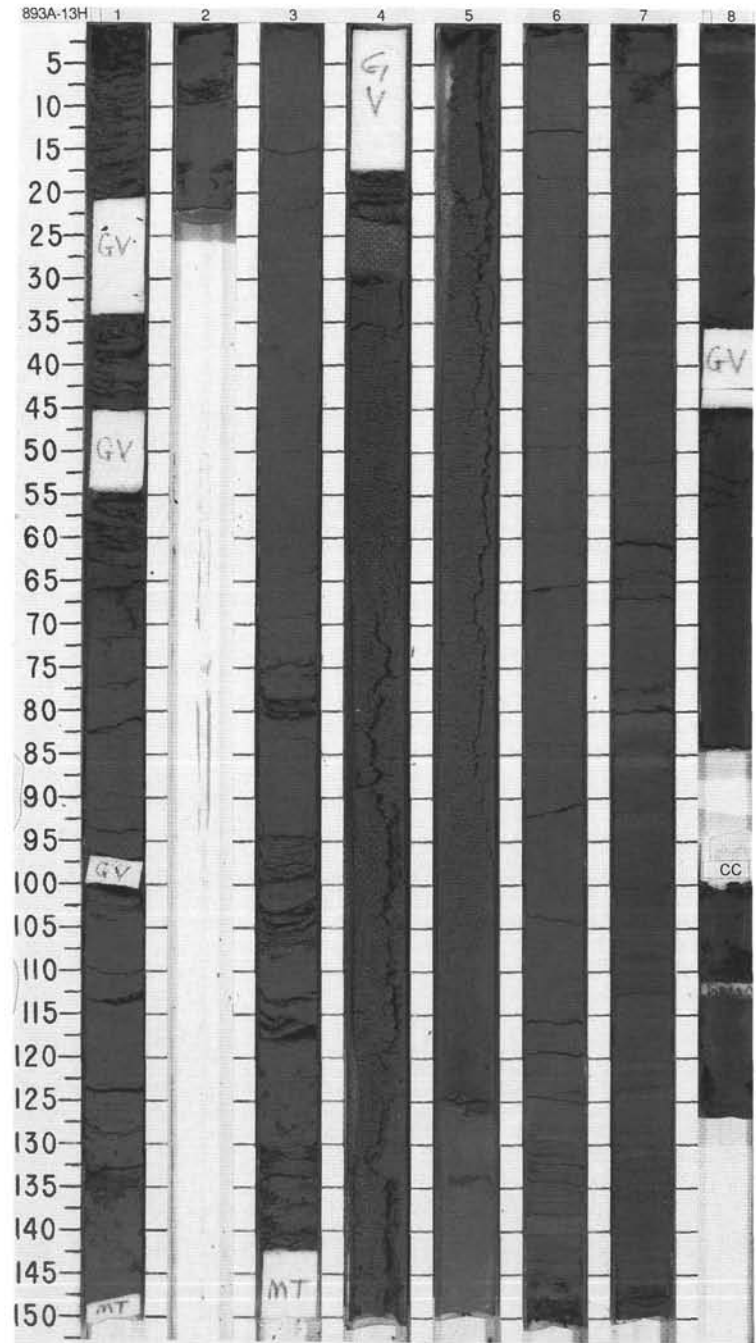
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		|||||	....			SILTY CLAY
2		2		~				Major Lithology: Olive gray (5Y 4/2) SILTY CLAY. This lithology is mostly structureless. Some mottling and well-defined bioturbation occurs. Rare thin weakly to well-laminated intervals occur.
3		3		~				Minor Lithologies: Light olive gray (5Y 5/2) beds occur in Section 1, 111-113 cm, Section 3, 111-113 cm, 148-150 cm, Section 4, 0-7 cm, Section 5, 41-43 cm, Section 6, 4.5-5 cm, and Section 8, 0-13 cm.
4		3		~				Dark gray (5Y 3/1) SAND occurs as rare very thin to thin beds.
5		4	late Pleistocene	~		S	5Y 4/2	A thin tar horizon occurs at Section 7, 22 cm.
6		5		~				
7		6		~				
8		7		~		S		
9		8		~				
10		CC		~		S		



SITE 893 HOLE A CORE 13H

CORED 111.0 - 120.5 mbsf

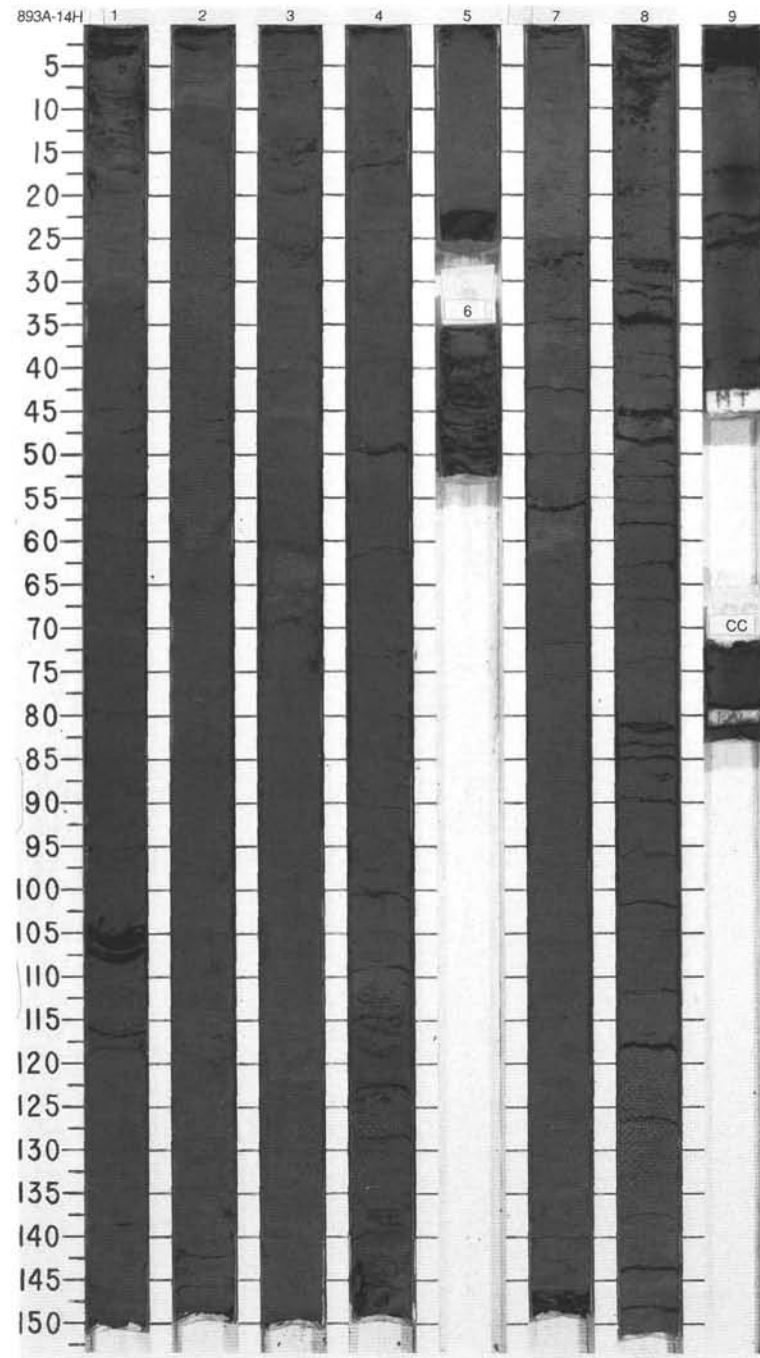
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		∞				DIATOM SILTY CLAY
2	[Hatched pattern]	2		∞				Major Lithology: Olive gray (5Y 4/4) DIATOM SILTY CLAY. This lithology is structureless to well laminated. Weakly mottling occurs in the structureless parts. Olive gray coarse sand is present.
3	[Hatched pattern]	3		∞				Minor Lithologies: Gray beds at Section 6, 128-128.5 cm, 146-147 cm, Section 7, 32.5-33 cm, 80-82 cm, 85.5-86 cm, 131-131.5 cm, and Section 8, 2-35 cm.
4	[Dotted pattern]	4		∞				Sandy intervals at Section 1, 64-67 cm, Section 4, 29-150 cm, and Section 5, 0-127 cm.
5	[Dotted pattern]	5	late Pleistocene	∞			5Y 4/4	
6	[Hatched pattern]	6		∞	S			
7	[Hatched pattern]	7		∞	S			
8	[Hatched pattern]	8		∞	S			
9	[Hatched pattern]	9		∞	S			
10	[Hatched pattern]	10		∞	S			
	[Hatched pattern]	CC		∞				



SITE 893 HOLE A CORE 14H

CORED 120.5 - 130.0 mbsf

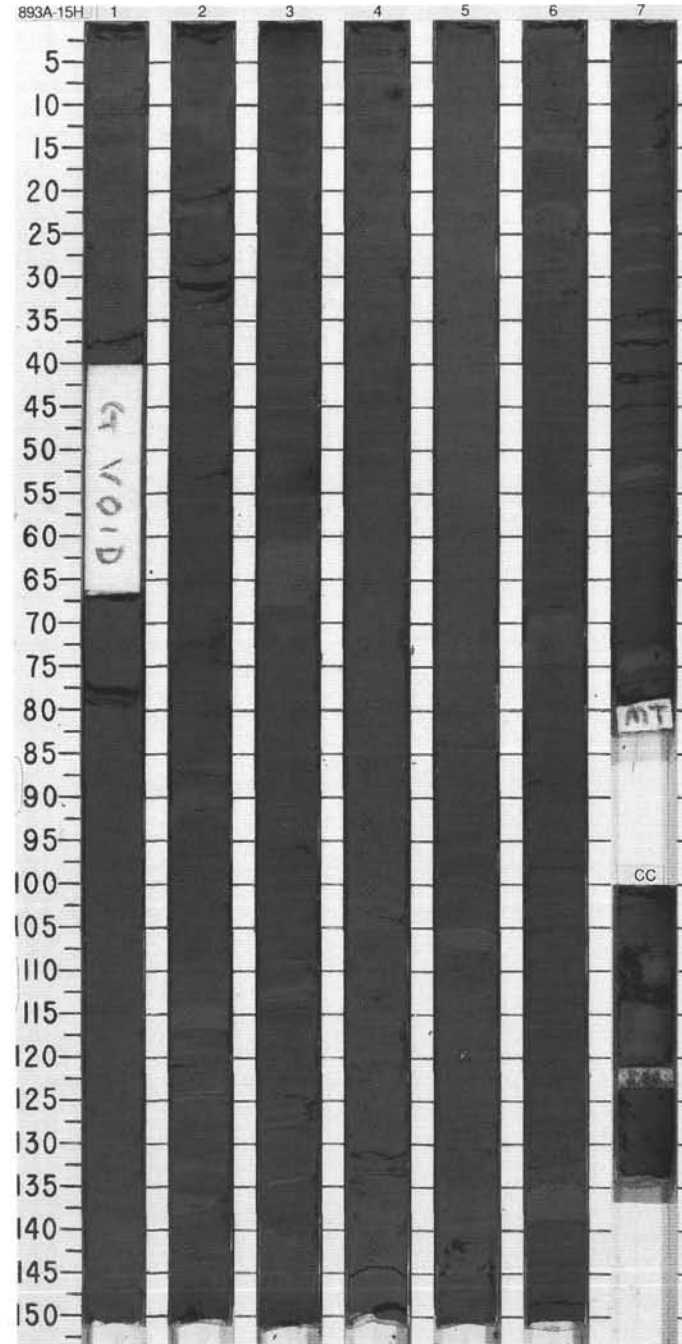
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pleistocene	|||||	---			DIATOM SILTY CLAY
2		2		}}	---	S		Major Lithology: Olive gray (5Y 4/2) DIATOM SILTY CLAY. This lithology is dominantly structureless. Mottling and bioturbation are found throughout. Because of color differences, the bioturbation structures are found especially in light olive gray intervals.
3		3		}}	---			Minor Lithology: Light olive gray (5Y 5/2) SILTY CLAY. Occurs in Section 1, 29 cm, 70 cm, Section 2, 6-9 cm, Section 3, 45 cm, Section 7, 12-25 cm, 35-37 cm, Section 8, 44-49 cm, 149-150 cm, Section 9, 6.8 cm.
4		3		}}	---	S		
5		4		}}	---	S	5Y 4/2	
6		5		}}	---			
7		6		}}	---	S		
8		7		}}	---			
9		8		}}	---			
10		9		}}	---			



SITE 893 HOLE A CORE 15H

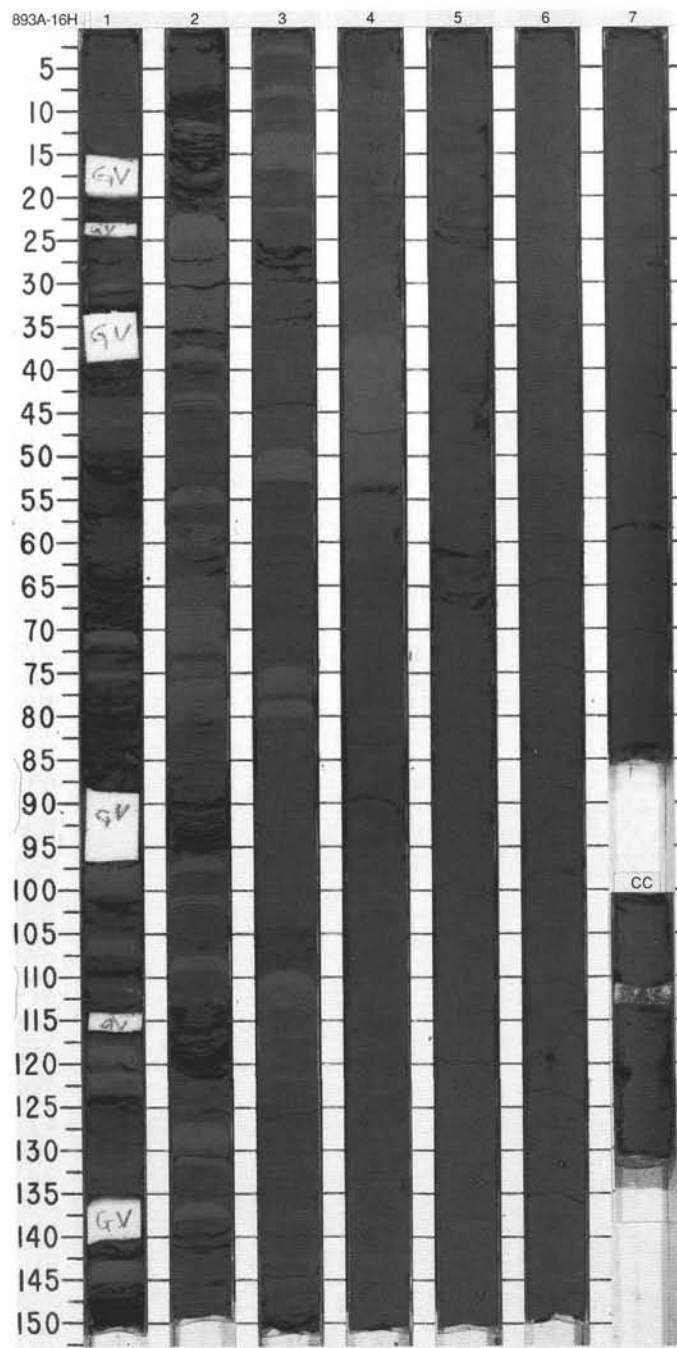
CORED 130.0 - 139.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy lines]		S		<p>SILTY CLAY</p> <p>Major Lithology: Olive gray (5Y 4/2) SILTY CLAY. This lithology varies from well laminated through partly bioturbated/mottled to structureless. Well-laminated intervals contain frequent gray silty beds (see below).</p> <p>Minor Lithologies: Pale olive (5Y 6/3) DIATOM OOZE LAMINAE. Occurs in well-laminated intervals, especially in Section 2, 75-150 cm, Section 3, 21-50 cm, and Section 6, 16-55 cm, 107-150 cm.</p> <p>Gray (5Y 5/1) SILTY CLAY beds. Occurs in Section 2, 86-87 cm, 114-117 cm, 124-125 cm, Section 3, 45-45.5 cm, 61-68 cm, 112-113 cm, 127.5-128 cm, 134-134.5 cm, Section 5, 105-108 cm, Section 6, 1-2 cm, 69-75 cm, 135-139 cm, Section 7, 36-37.5 cm, 51.5-54 cm, 73-75 cm, and the CC, 19-20 cm.</p> <p>Light gray (5Y 5/2) SILTY CLAY beds. Occurs in Section 2, 23-28 cm, Section 4, 3-4 cm, and Section 6, 14.5-15 cm, 21-23 cm.</p>
2	[Hatched pattern]	2		[Hatched pattern]	[Cross-hatched]	S		
3	[Hatched pattern]	3		[Dotted]	[Dotted]	S		
4	[Hatched pattern]	3		[Dotted]	[Dotted]	S		
5	[Hatched pattern]	4	late Pleistocene	[Dotted]	[Dotted]	S	5Y 4/2	
6	[Hatched pattern]	4		[Dotted]	[Dotted]	S		
7	[Hatched pattern]	5		[Hatched pattern]	[Dotted]	S		
8	[Hatched pattern]	6		[Hatched pattern]	[Dotted]	S		
9	[Hatched pattern]	7		[Hatched pattern]	[Dotted]	S		
10	[Hatched pattern]	CC		[Hatched pattern]	[Dotted]	S		



SITE 893 HOLE A CORE 16H CORED 139.5 - 149.0 mbsf

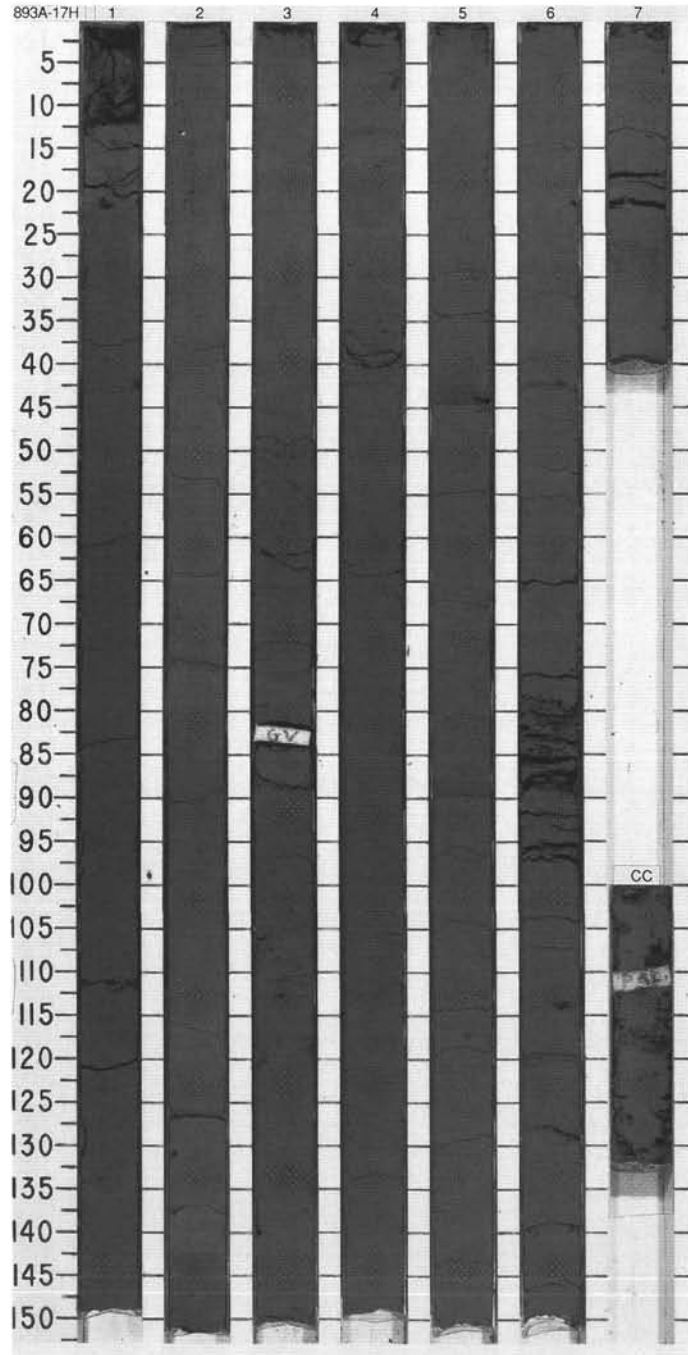
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1				S	5Y 3/1	FORAMINIFER DIATOM SILTY CLAY and DIATOM SILTY CLAY
2		2				S	5Y 4/2 To 5Y 5/1	Major Lithologies: Very dark olive gray (5Y 3/1) FORAMINIFER DIATOM SILTY CLAY intercalated with olive gray (5Y 4/2) indistinctly laminated silty clay beds, and gray to light olive gray (5Y 5/1 to 5Y 6/3) silty clay beds. Occurs in Section 1, 0-150 cm, and in Section 2, 0-21 cm.
3		3				S		Olive gray (5Y 4/2) DIATOM SILTY CLAY intercalated with common gray to light olive gray (5Y 5/1 to 5Y 4/2) silty clay and olive gray (5Y 4/2) clayey silt; olive gray silty clay becomes indistinctly laminated in lower part. This lithology is nonlaminated and structureless from Section 5 to CC.
4		4	late Pleistocene					Minor Lithology: Gray (5Y 5/1) SILTY CLAY AND CLAYEY SILT. Can be found in Section 1, 30-31 cm, 70-71.5 cm, 75.5-76 cm, 97-100.5 cm, 106-108 cm, 118-120.5 cm, 121-124 cm, 143-145 cm, Section 2, 22-35.3 cm, 38-39.5 cm, 101-102 cm, 108-110 cm, 129-130 cm, 131-132 cm, 136-138 cm, Section 3, 2.5-3.5 cm, 7.9-9 cm, 13-17 cm, 5-53 cm, 74-77.5 cm, 79-81 cm, 109.5-114 cm, Section 4, 36-56 cm. Light olive gray (5Y 5/2) bed. Occurs in Section 2, 63.5-66 cm. Shell bearing beds. Occurs in Section 5, 9 cm, 21 cm, and in Section 6, 6-84 cm, 132 cm. Pale olive (5Y 6/3) CLAY layers at Section 2, 13-17 cm, 57.5-60 cm. Pale olive (5Y 6/3) Thin DIATOM OOZE laminae distributed through well-laminated intervals.
5		5					5Y 4/2	
6		6				S		
7		7						
10		CC						



SITE 893 HOLE A CORE 17H

CORED 149.0 - 158.5 mbsf

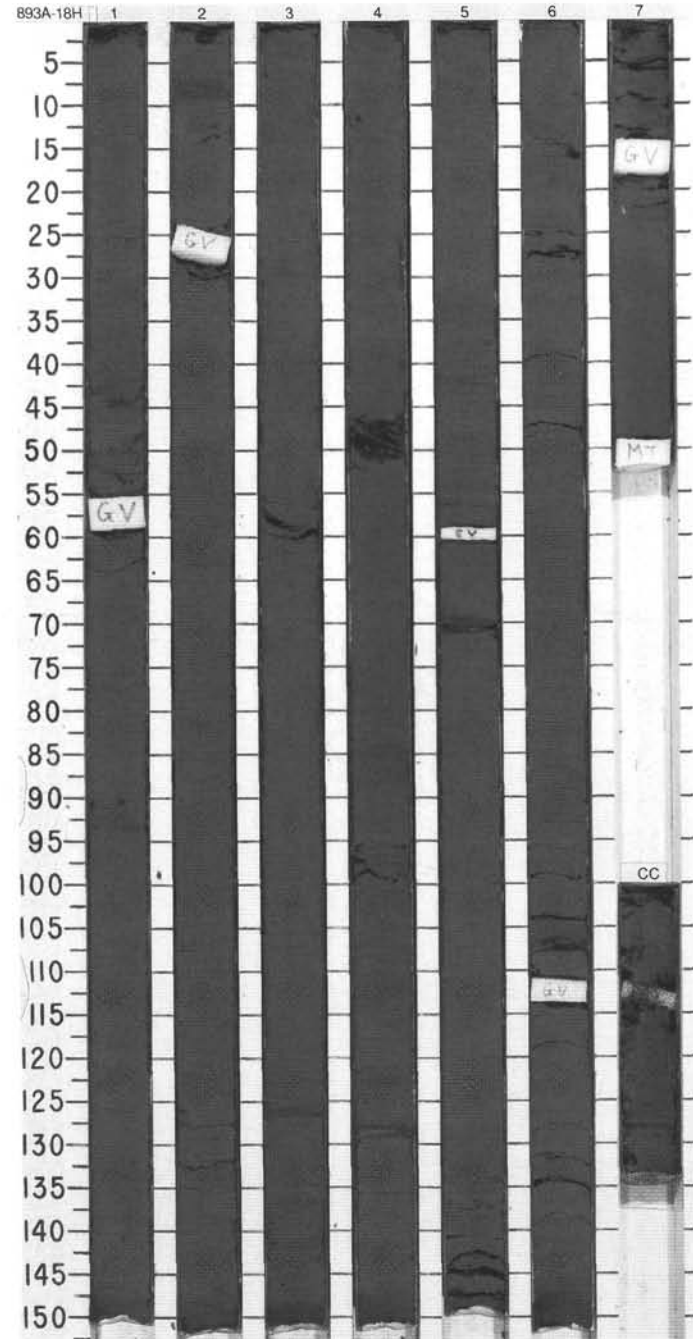
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1				S		<p>SILTY CLAY</p> <p>Major Lithology: Pale olive to olive gray (5Y 6/3-5Y 4/2) SILTY CLAY. This lithology is structureless with moderate bioturbation. Color changes gradationally in beds over 10's of cm. Some contacts are sharp. Sharp color contacts occur in Section 2, 79 cm, 115 cm, 143 cm, Section 5, 90 cm, and Section 6, 43 cm.</p>
2	[Hatched pattern]	2		~		S		
3	[Hatched pattern]	3		~				
4	[Hatched pattern]	3		~				
5	[Hatched pattern]	4	late Pleistocene	~			5Y 4/2	
6	[Hatched pattern]	4		~				
7	[Hatched pattern]	5		~		S		
8	[Hatched pattern]	6		~				
9	[Hatched pattern]	7		~				
	[Hatched pattern]	CC						



SITE 893 HOLE A CORE 18H

CORED 158.5 - 168.0 mbsf

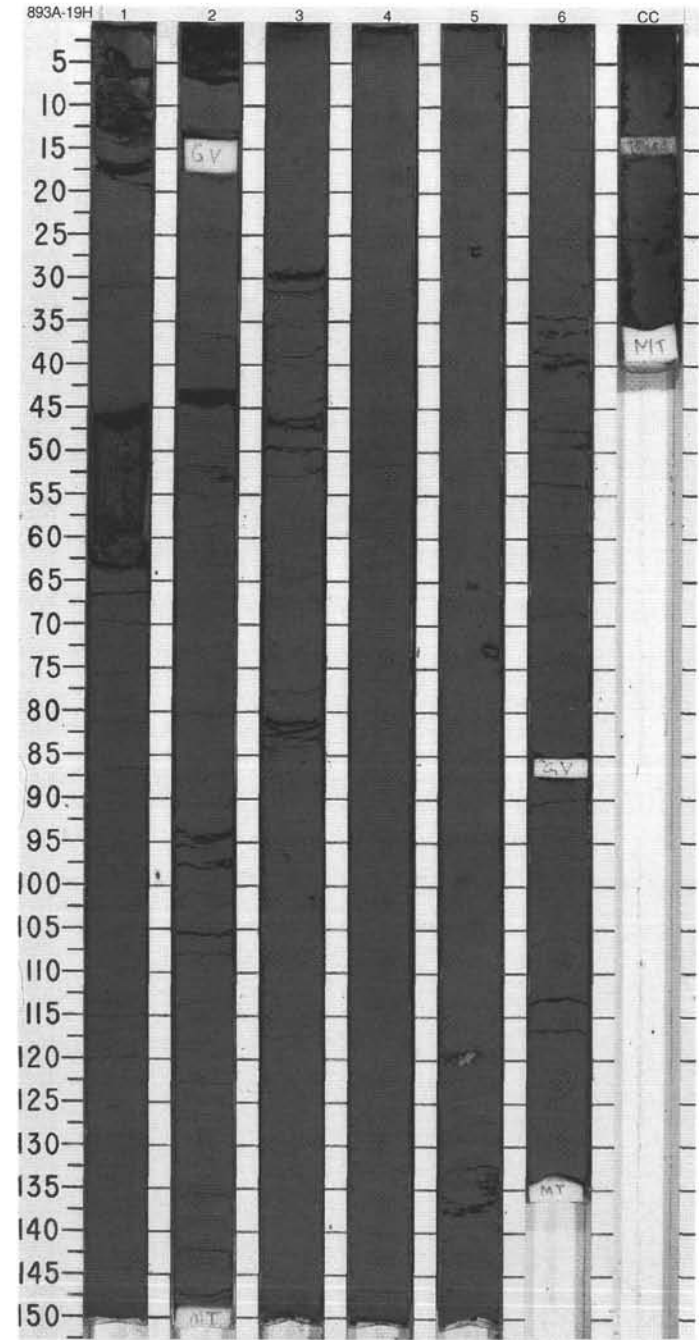
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		⌘				CLAYEY SILT TO SILTY CLAY Major Lithology: Olive gray (5Y 4/2) bioturbated massive CLAYEY SILT TO SILTY CLAY with intercalated 10-35 cm-thick packets of well-laminated silty clay to clayey silt (olive gray and light olive gray, 5Y 4/2 and 5Y 5/2).
2		2		⌘				
3		3		⌘				
4		3		⌘		S		
5		4	late Pleistocene	⌘			5Y 4/2	
6		4		⌘		S		
7		5		⌘				
8		6		⌘				
9		7		⌘				
		CC						



SITE 893 HOLE A CORE 19H

CORED 168.0 - 177.5 mbsf

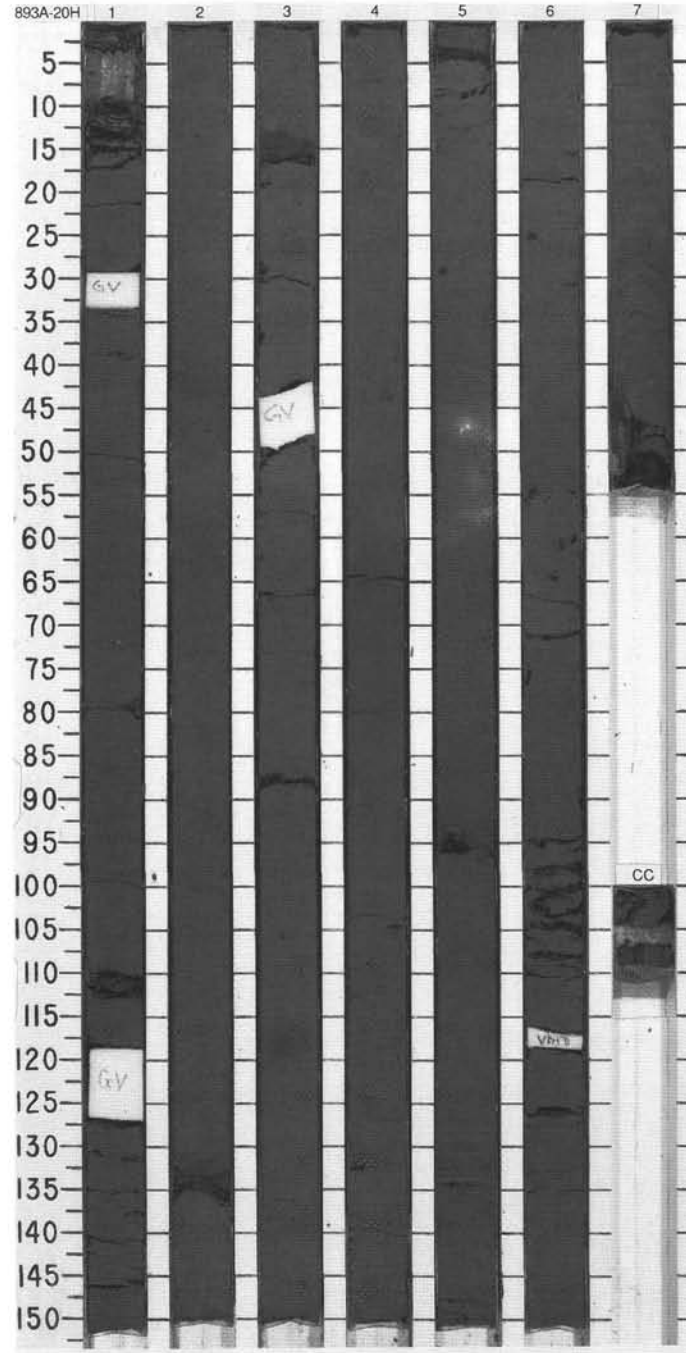
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	P				<p>SILTY CLAY TO CLAYEY SILT</p> <p>Major Lithology: Olive gray (5Y 4/2) massive bioturbated SILTY CLAY to CLAYEY SILT, with dark gray (N3) specks (pyrite) occurring throughout. Intercalated olive gray to light olive gray (5Y 4/2-5Y 5/1) packages of well- to indistinctly laminated silty clay in Sections 2, 4, and 5.</p> <p>Minor Lithology: Pyrite concretions occur at Section 1, 4 cm; Section 3, 98 cm; Section 5, 27 cm, 65 cm, 73 cm.</p>
2	[Horizontal line pattern]	2	⌘				
3	[Horizontal line pattern]	3	⌘				
4	[Horizontal line pattern]	4	⌘				
5	[Horizontal line pattern]	5	⌘				
6	[Horizontal line pattern]	6	⌘				
7	[Horizontal line pattern]	5	P				
8	[Horizontal line pattern]	6	⌘				
9	[Horizontal line pattern]	CC					



SITE 893 HOLE A CORE 20H

CORED 177.5 - 188.0 mbsf

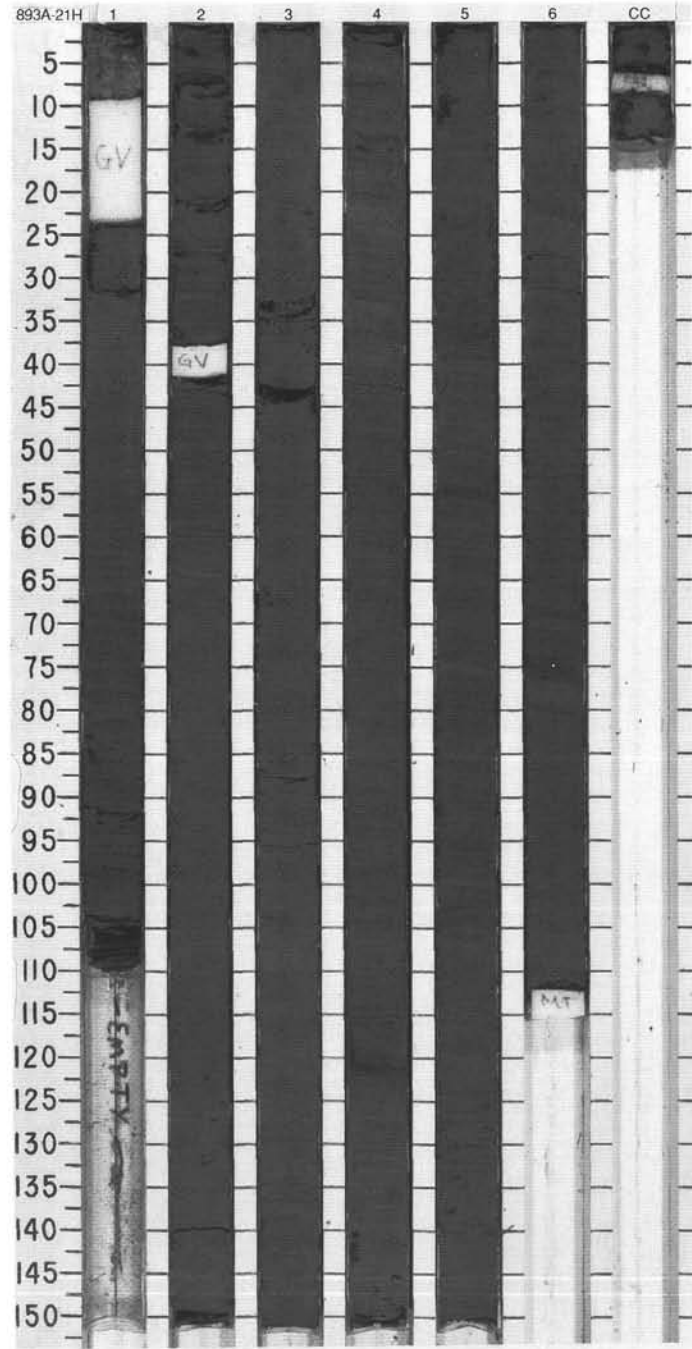
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lith. Pattern 1]	1	late Pleistocene	} } } } } } } } } }			5Y 4/2	SILTY CLAY TO CLAYEY SILT
2	[Graphic Lith. Pattern 2]	2						
3	[Graphic Lith. Pattern 3]	3						
4	[Graphic Lith. Pattern 4]	4						
5	[Graphic Lith. Pattern 5]	5						
6	[Graphic Lith. Pattern 6]	6						
7	[Graphic Lith. Pattern 7]	7						
8	[Graphic Lith. Pattern 8]	6						
9	[Graphic Lith. Pattern 9]	7						
CC	[Graphic Lith. Pattern CC]	CC						Major Lithology: Olive gray (5Y 4/2) massive, partly bioturbated SILTY CLAY to CLAYEY SILT with dark (N3) specks (pyritic) occurring throughout.
								Minor Lithologies: A very dark gray (5Y 3/1) to light olive gray (5Y 5/1) well-laminated interval occurs at Section 5, 125-139.5 cm.
								Sandy layers occur at Section 1, 79.5-80 cm, 110-111 cm < Section 2, 133.5-135.5 cm; Section 3, 13-16.5 cm, 87.5-88 cm; Section 5, 3-4 cm, 95-96.5 cm.
								Gray (5Y 5/1) SILTY CLAY beds occur at Section 6, 40-45 cm, 64-72.5 cm.
								Shell-bearing beds occur at Section 1, 26-28 cm, 39 cm; Section 2, 102 cm; Section 4, 43-44 cm, 132 cm; Section 5, 29 cm, 149 cm; Section 6, 55 cm; Section 7, 7 cm.



SITE 893 HOLE A CORE 21H

CORED 188.0 - 196.5 mbsf

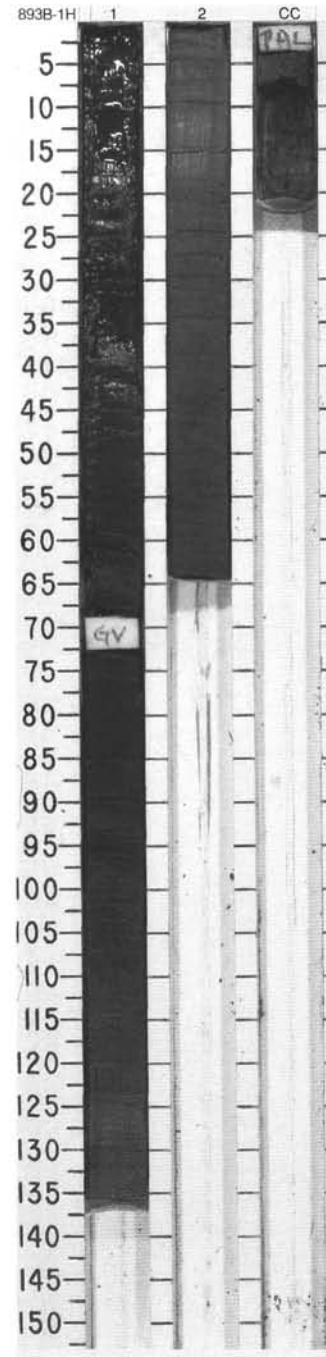
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Graphic Lith. 1]	1	late Pleistocene	[Structure 1]			5Y 4/2	<p>SILTY CLAY</p> <p>Major Lithology: Olive gray (5Y 4/2) well-laminated SILTY CLAY composed of 0.5 mm-scale individual laminae of very dark gray (5Y 3/1), light olive gray (5Y 5/2), and gray (5Y 5/1). Gray laminae are typically 3–8 mm thick and irregularly interspersed, and olive gray (5Y 4/2) massive SILTY CLAY, locally finely mottled, with rare distinct bioturbation. Well-laminated intervals occur at Section 1, 59–104 cm; Section 2, 8–18 cm, 27–65 cm; Section 3, 136–147 cm; Section 4, 46–106 cm, 122–141 cm; Section 5, 0–6 cm, 28–128 cm, 148–150 cm; Section 6, 0–7 cm, 21–24 cm, 37–41 cm, 68–77 cm, 109–112 cm; CC, 0–2 cm. Indistinct laminations occur at Section 4, 8–46 cm.</p> <p>Minor Lithologies: Sand layers occur at Section 2, 6–7 cm, 27–27.5 cm; Section 4, 7–7.5 cm, 21–22.5 cm, 150–151 cm.</p> <p>Shell-bearing beds occur at Section 2: 98 cm, 102 cm, 106 cm, 122 cm, and 132 cm; Section 3: 15 cm, 22 cm, 33–37 cm, and 104 cm.</p> <p>Gray beds occur at Section 5, 75–76 cm, Section 6, 77–80 cm.</p> <p>Charcoal piece occurs at Section 4, 109 cm. Black thin laminations occur at Section 7, 55 cm.</p>	
2	[Graphic Lith. 2]	2		[Structure 2]	....			
3	[Graphic Lith. 3]	3		[Structure 3]	∞	S			
4	[Graphic Lith. 4]	4		[Structure 4]	∞	S			
5	[Graphic Lith. 5]	5		[Structure 5]	....			
6	[Graphic Lith. 6]	6		[Structure 6]	....			
7	[Graphic Lith. 7]	7		[Structure 7]	....			
8	[Graphic Lith. 8]	8		[Structure 8]	....	S			
	[Graphic Lith. CC]	CC							



SITE 893 HOLE B CORE 1H

CORED 0.0 - 2.3 mbsf

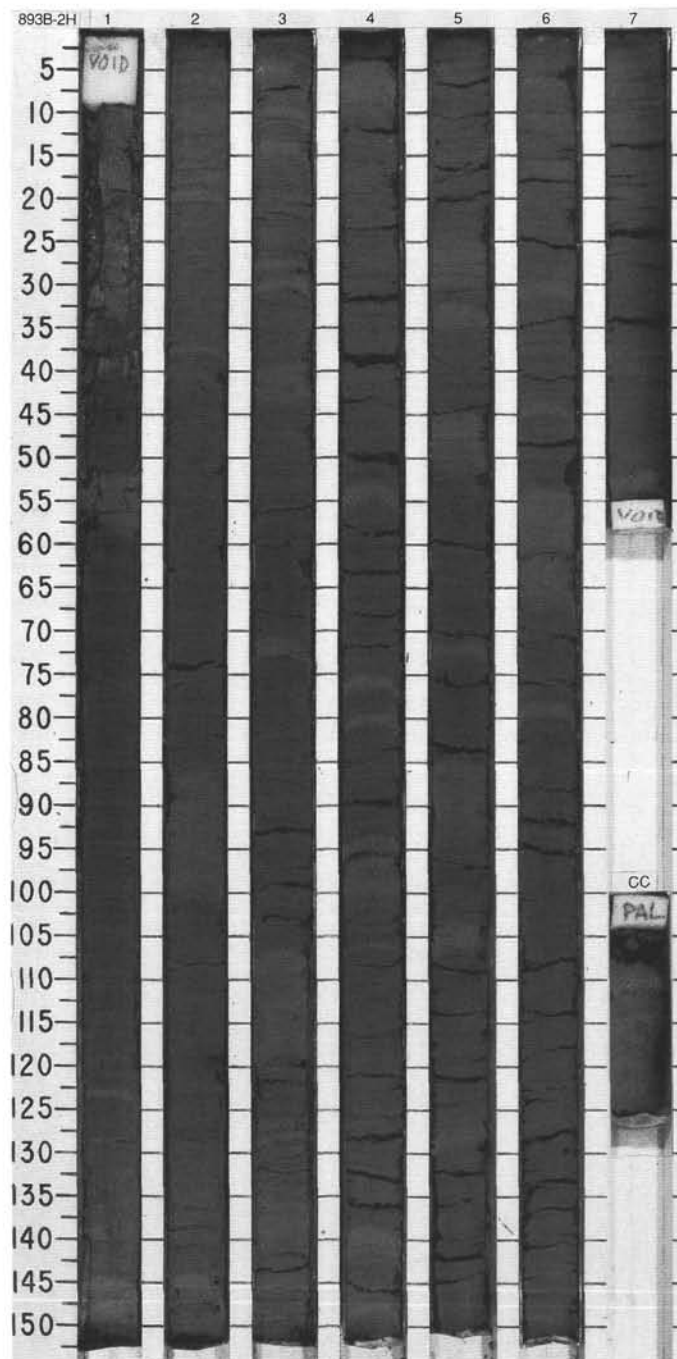
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Holocene			S	5Y 4/2	<p>DIATOM NANNOFOSSIL SILTY CLAY</p> <p>Major Lithology: Olive gray (5Y 4/2) DIATOM NANNOFOSSIL SILTY CLAY. This lithology is mainly well laminated with minor structureless intervals in Section 1, 40.5–53.5 cm, 75–92 cm; Section 2, 35–43 cm, and CC, 14–20 cm.</p> <p>Minor Lithology: Gray (5Y 5/1) massive beds of SILTY CLAY AND CLAYEY SILT found in Section 1.64–65 cm, 123.5–123.8 cm, 124.5–129 cm, and Section 2, 10–19 cm.</p> <p>General Description: Comment: During description, color of freshly split core changes from black (N1) to olive gray due to oxidation.</p> <p>Some massive olive beds preserve a crudely laminated amalgamation of normally graded and massive sublayers.</p> <p>Gray bed in Section 2, 10–19 cm, contains 4 discrete depositional units; gray bed in Section 1, 124.5–129 cm, appears to consist 3 discrete, normally graded depositional units.</p>
2		2		S				
		CC				S		



SITE 893 HOLE B CORE 2H

CORED 2.3 - 11.8 mbsf

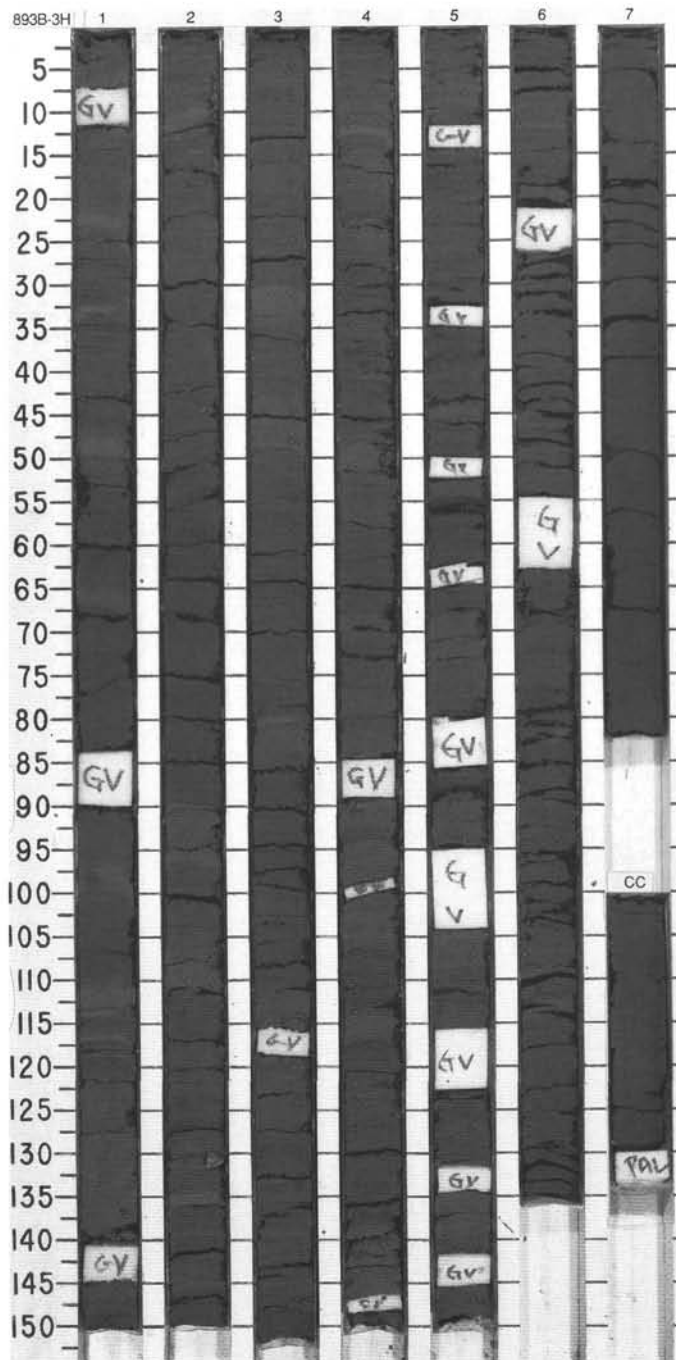
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1		1	Holocene			S	5Y 4/2	DIATOM NANNOFOSSIL SILTY CLAY	
2		2						S	<p>Major Lithology: Olive gray (5Y 4/2) DIATOM SILTY CLAY. This lithology is well laminated to indistinctly laminated silty clay, with intercalated gray (5Y 5/1) beds and olive gray (5Y 4/2) massive, partly bioturbated intervals at Section 1, 79-86 cm, 131-141 cm; Section 2, 48-51 cm, 107-125 cm; Section 4, 11-50 cm, 56-66 cm; Section 5, 111-150 cm; Section 6, 70 cm-bottom 150 cm; Section 7, all massive, and CC, all massive.</p> <p>Minor lithology Gray (5Y 5/1) SILTY CLAY beds occur at Section 1, 51-59 cm, 123-124 cm, 145-150 cm; Section 2, 19-20 cm, 37-38 cm, 86-100 cm, 144-148 cm; Section 3, 4-6 cm, 9-11 cm, 13-16 cm, 27-28 cm, 29-30 cm, 39-43 cm, 71-73 cm, 107-119 cm; Section 4, 4-10 cm, 53-55 cm, 75-77 cm, 80-81 cm, 94-96 cm, 139-142 cm, 148-149 cm; Section 5, 26-36 cm, 45-51 cm; Section 6, 44-45 cm, 54-67 cm, 78-80 cm; Section 7, 3-7 cm, 52-54 cm; and CC, 10-11 cm, 15-16 cm.</p> <p>General Description: Color banding is subtle but apparent as core dries. Contains light olive brown layers (2.5Y 4/3) mottled with black in Section 4, 93-102 cm, and Section 5, 46-54 cm, and 84-93 cm.</p>
3		3						S	
4		4						S	
5		5						S	
6		6						S	
7		7						S	
8		6						S	
9		7						S	
		CC							



SITE 893 HOLE B CORE 3H

CORED 11.8 - 21.3 mbsf

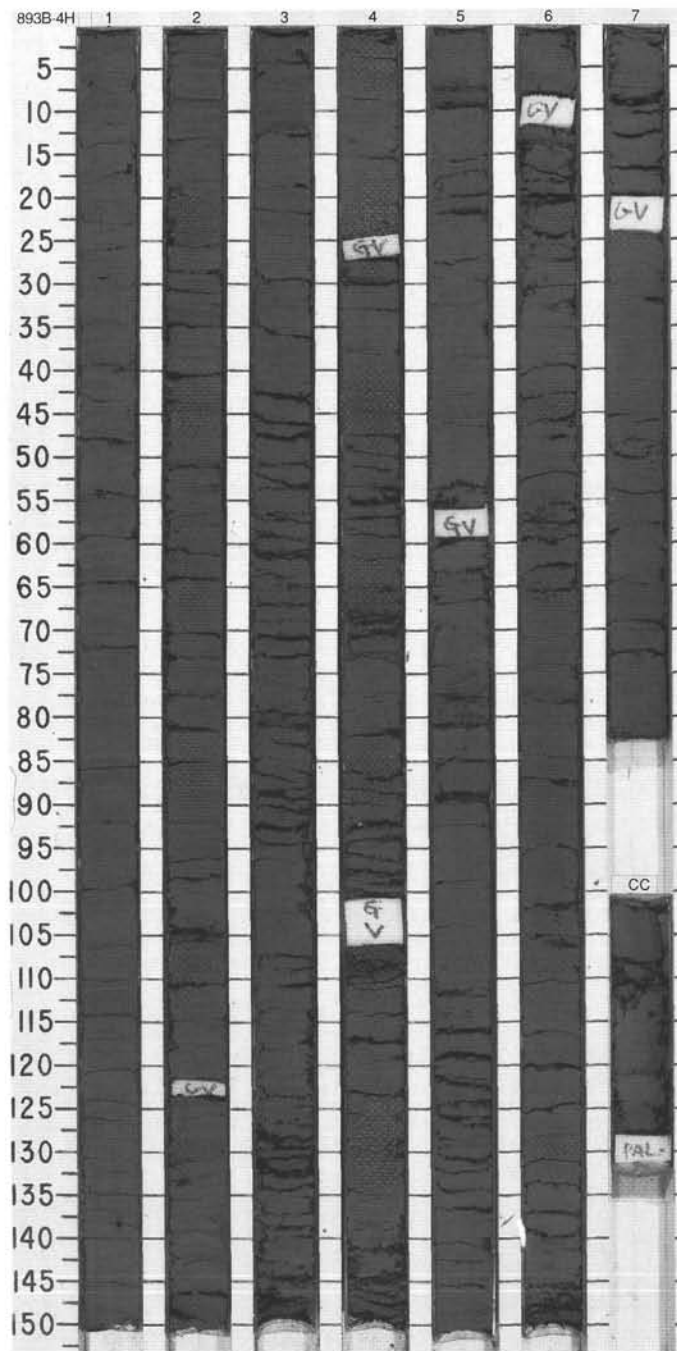
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Holocene					DIATOM NANNOFOSSIL SILTY CLAY
2		2		S				Major Lithology: Olive gray (5Y 4/2) well-laminated to indistinctly laminated DIATOM NANNOFOSSIL SILTY CLAY, intercalated with gray beds (5Y 5/1). Olive gray (5Y 4/2) massive, partly bioturbated intervals are present in Section 1, 58-71 cm, 122-150 cm; Section 2, 0-60 cm, 64-75 cm; Section 3, 125-129 cm, 140-143 cm; Section 4, 15-27 cm, 49-59 cm, 82-92 cm, 95-107 cm; Section 7, 30-82 cm; and CC, 0-34 cm. Middle portion of core is light olive gray (2.5Y 5/3) and appears orangish to eye.
3		3		S				Minor Lithologies: Gray (5Y 5/1) beds of SILTY CLAY and CLAYEY SILT occur at Section 1, 21-22 cm, 32-33 cm, 47-49 cm, 65-66 cm, 97-100 cm, 111-114 cm, 116-117 cm; Section 2, 9-12 cm, 90-97 cm, 105-111 cm; Section 3, 30-35 cm, 43-49 cm, 80-84 cm; Section 4, 12-13 cm, 69-71 cm; and Section 6, 11-12 cm.
4		4		S				Distinct burrow mottling occurs at Section 4, 82-92 cm, 94-106 cm, 139-150 cm, Section 5, 0-10 cm, 68-109 cm, 135-150 cm; Section 6, 107-135 cm; and Section 7, 0-33 cm.
5		5						
6		6						
7		7						
8		8						
9		9						
10		10						



SITE 893 HOLE B CORE 4H

CORED 21.3 - 30.8 mbsf

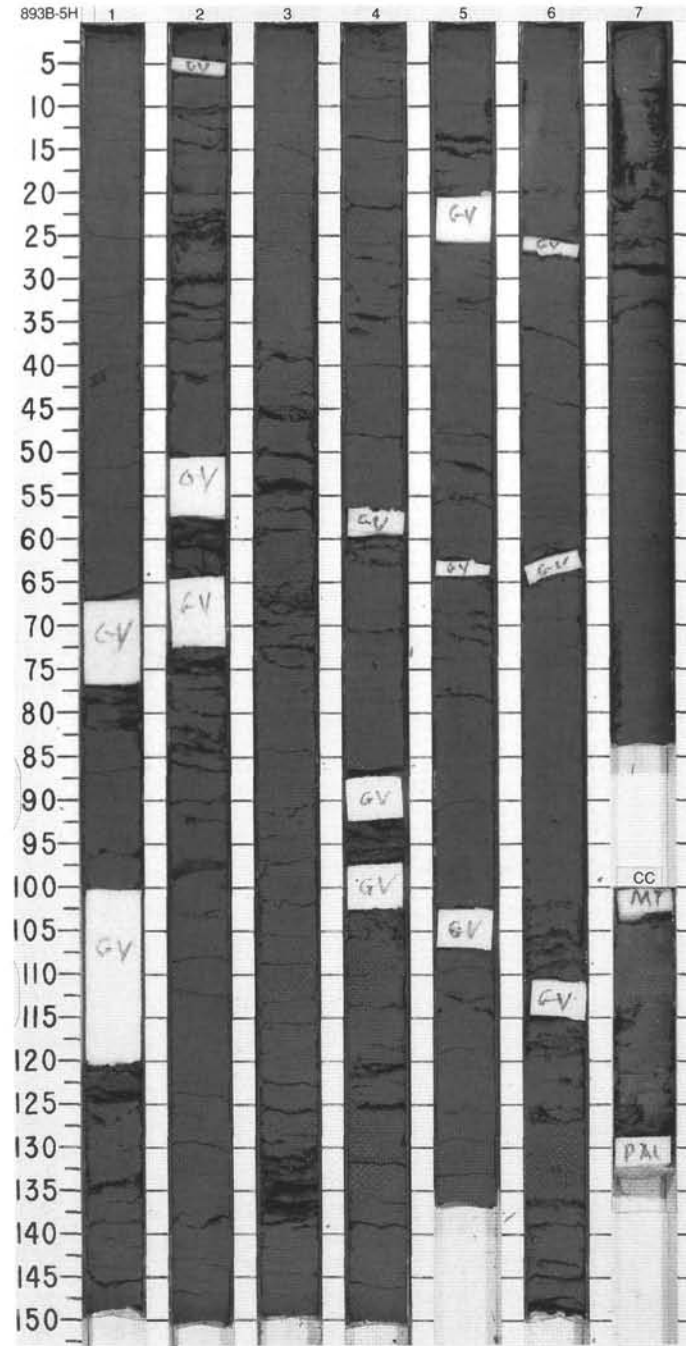
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pleistocene	~	S	5Y 4/2	5Y 4/2	<p>NANNOFOSSIL DIATOM SILTY CLAY and SILTY CLAY</p> <p>Major Lithologies: Sections 1, 2. Olive gray (5Y4/2) well-laminated DIATOM NANNOFOSSIL SILTY CLAY, intercalated with subordinate, 1-5 cm thick, structureless olive gray intervals in Section 1, 49-54 cm, 76-78 cm, 80-85 cm, 149-150 cm, and Section 2, 16-17 cm, 48-50 cm, 75-76 cm, 100-103 cm, 128-130 cm, 137-139 cm, 140-141 cm, and 148-150 cm.</p>
2		2						
3		3						
4		3						
5		3						
6		4						
7		5						
8		6						
9		7						
10		CC						
					S	5Y 4/2 To 5Y 5/3		<p>Section 3-CC Light olive gray brown (2.5Y 5/3) to olive gray (5Y4/2) massive SILTY CLAY, partly bioturbated/mottled, with dark gray to black (N3-N2) specks throughout.</p> <p>Minor Lithologies: Sand to sandy silt layers can be found in Section 3, 11-12 cm; Section 5, 7-8 cm, 9-10 cm, 77-78 cm; and Section 6, 78-79 cm.</p>



SITE 893 HOLE B CORE 5H

CORED 30.8 - 40.3 mbsf

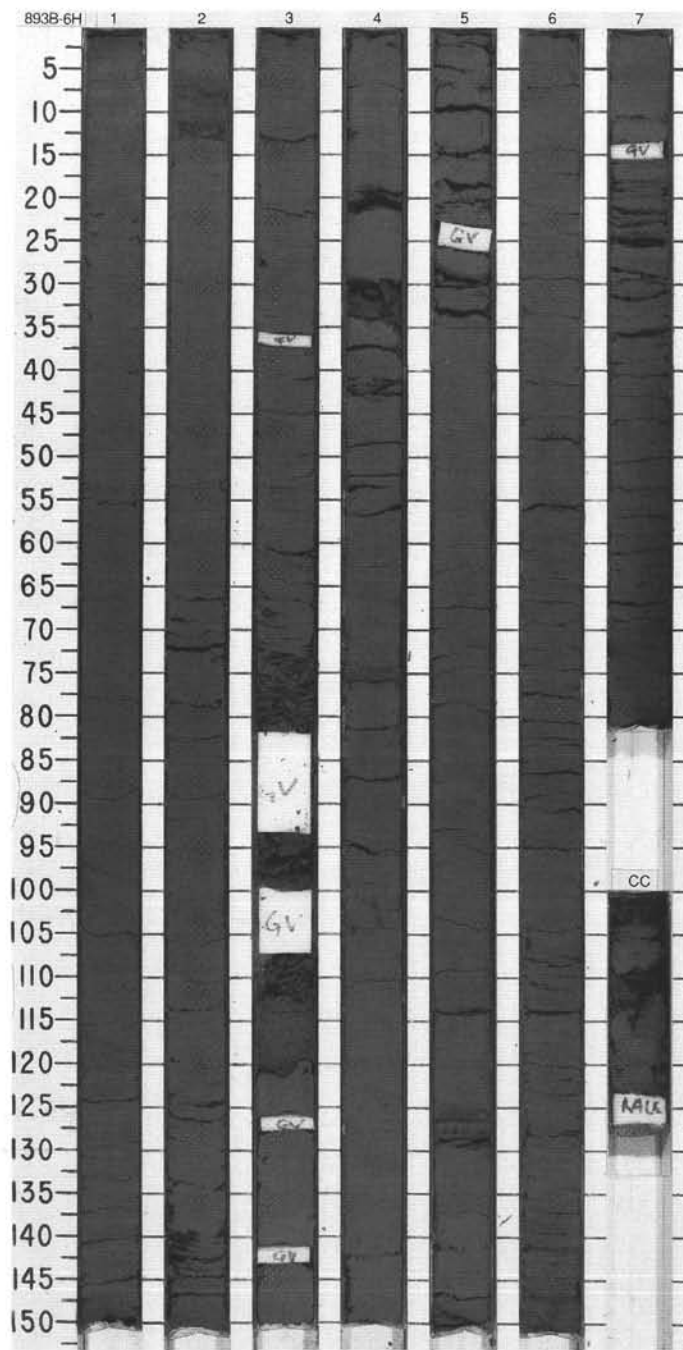
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		}}				SILTY CLAY Major Lithology: Olive gray (5Y 4/2) massive SILTY CLAY. Mottling occurs throughout. Minor Lithologies: Layers of olive gray (5Y 4/2) SAND occur at Section 2, 98-100 cm. Thin intervals of laminated DIATOM NANNOFOSSIL SILTY CLAY occur at Section 6, 0-6 cm, 54-61 cm.
2		2		}}				
3		3		}}				
4		3	late Pleistocene	}}				
5		4		}}	S	5Y 4/2		
6		5		}}				
7		6		}}				
8		6		}}				
9		7		}}				
		CC		}}				



SITE 893 HOLE B CORE 6H

CORED 40.3 - 49.8 mbsf

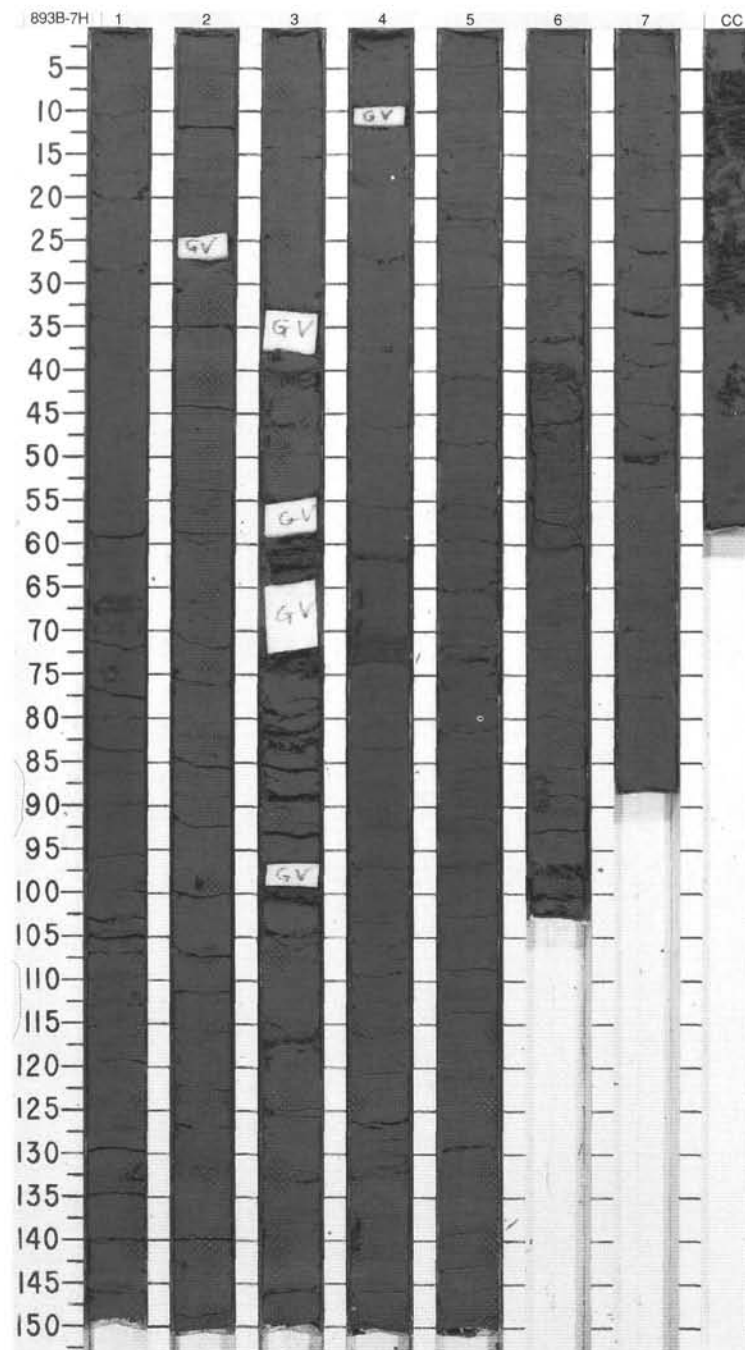
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Pleistocene	✗				SILTY CLAY Major Lithology: Olive gray (5Y 4/2) massive SILTY CLAY which is mottled and bioturbated throughout.
2	[Hatched pattern]	2		✗ ✗ ✗	.....	S		Minor Lithology: Olive gray (5Y 4/2) laminated NANNOFOSSIL DIATOM SILTY CLAY is found in Section 1, 121-128 cm; Section 3, 1-10 cm; Section 6, 106-150 cm; and Section 7, 17-24 cm.
3	[Hatched pattern]	3		✗				Olive gray (5Y 4/2) SAND to SILTY SAND layers occur in Section 2, 10-13 cm; Section 3, 110-121 cm; Section 4, 29-32 cm, 76-77 cm; and Section 5, 126-127 cm, 129-130 cm.
4	[Hatched pattern]	4		.....		S		
5	[Hatched pattern]	4		M ✗	.....			5Y 4/2 Gray (5Y 5/1) SILTY CLAY bed at Section 7, 25-27 cm.
6	[Hatched pattern]	5		M ✗	.....	S		Yellowish red (5YR 4/6) mottling in Section 4, 10-24 cm, 100-124 cm, and Section 5, 11-72 cm.
7	[Hatched pattern]	5		.....			
8	[Hatched pattern]	6		✗				
9	[Hatched pattern]	7		✗		S		
10	[Hatched pattern]	CC						



SITE 893 HOLE B CORE 7H

CORED 49.8 - 59.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pleistocene	✗ ✗ ✗				SILTY CLAY and DIATOM SILTY CLAY Major Lithologies: Olive gray (5Y 4/2) massive SILTY CLAY which is mottled throughout with blackish and yellowish red streaks.
2		2		✗ ✗	---			Olive gray (5Y 4/2) and very dark gray (5Y 3/1) laminated DIATOM SILTY CLAY at Section 1, 90-149 cm, Section 2, 3-20 cm, 27-31 cm, 35-56 cm, Section 4, 74-109 cm, 122-150 cm, Section 5, 1-2 cm, 7-76 cm, 80-89 cm, 102-126 cm, 130-136 cm, 138-149 cm, Section 6, 7-12 cm, Section 7, 0-8 cm, and CC, 33-54 cm.
3		3		✗				Minor Lithologies: Gray (5Y 5/1) beds at Section 1, 149-150 cm, Section 2, 0-3 cm, 31-35 cm, Section 5, 3-7 cm, 77-80 cm, 97-102 cm, 126-129 cm, 136-137 cm, and Section 6, 0-7 cm.
4		4		✗ ✗	....		5Y 4/2	Sandy beds at Section 4, 70-74 cm, and Section 6, 36-37 cm and 39-61 cm.
5		5		✗	---			Sandy pocket in Section 6, 87-91 cm, appears to be drilling disturbance.
6		6		✗ ✗ ✗	---			Tar pebble (?) at Section 2, 99-100 cm.
7		7		✗ ✗ ✗	---			
8		6		✗ ✗ ✗	....		
9		7		✗ ✗ ✗	---			
10		CC		✗ ✗ ✗	....		



SITE 893 HOLE B CORE 8H

CORED 59.3 - 68.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Pleistocene	[Vertical lines]		S		SILTY CLAY Major Lithology: Very dark gray (5Y 3/1) to olive gray (5Y 4/2) well-laminated DIATOM SILTY CLAY in Section 1, 65-124 cm, Section 4, 53-150 cm, Section 5 143-150 cm, and partially bioturbated lamination in Section 6, 71-88 cm, Section 7, 5-18 cm, 34-60 cm. Thin laminae of pure DIATOM OOZE occasionally occur.
2	[Void]	2		[X]	[Dotted]			
3	[Void]	3		[X]	[Dotted]			
4	[Hatched pattern]	3		[X]	[Dotted]		S	Olive gray (5Y 4/2) SAND at Section 5, 73-143 cm. Olive gray (5Y 4/2) massive SILTY CLAY.
5	[Hatched pattern]	4		[X]	[Dotted]			Minor Lithologies: Thin SAND layers are found in Section 2, 8-11 cm, 133-139 cm, Section 3, 50-52 cm, 127-128 cm, and Section 6, 0-6 cm.
6	[Hatched pattern]	4		[X]	[Dotted]		S	Gas voids at Section 2, 37-79 cm, 89-135 cm and Section 5, 42-66 cm.
7	[Void]	5		[X]	[Dotted]			Drilling disturbances at Section 2, 13-26 cm, Section 3, 0-50 cm, and CC, 0-20 cm.
8	[Dotted pattern]	5		[X]	[Dotted]		S	
9	[Hatched pattern]	6		[X]	[Dotted]		S	
10	[Hatched pattern]	7		[X]	[Dotted]			
	[Hatched pattern]	CC						

