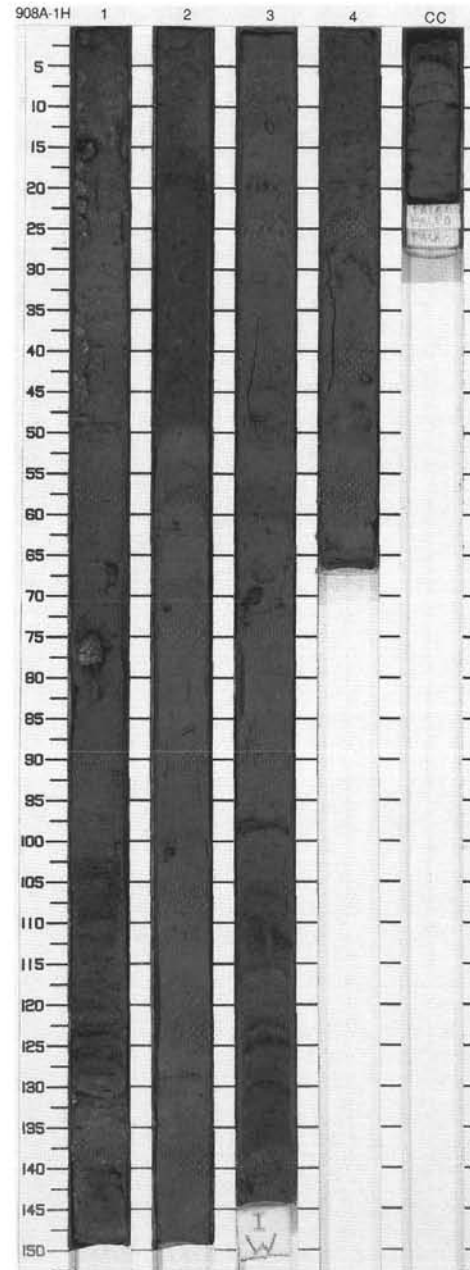


SITE 908 HOLE A CORE 1H

CORED 0.0 - 5.4 mbsf

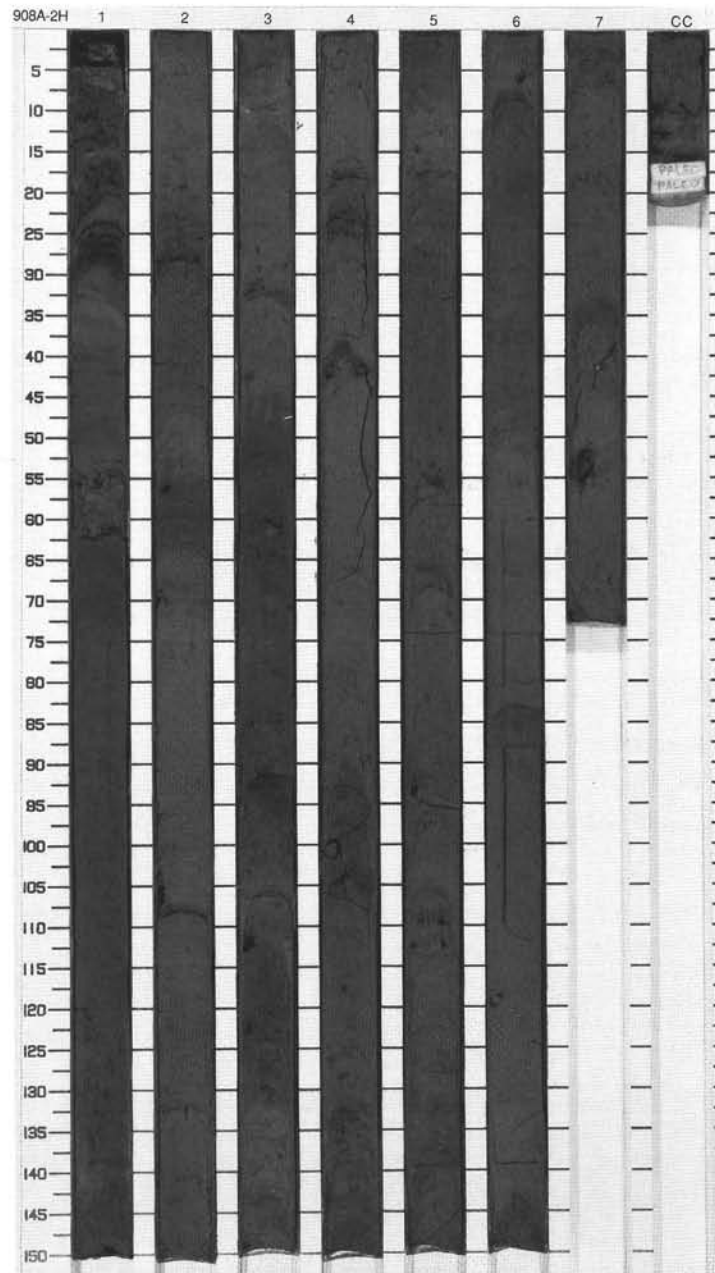
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	Quaternary	[Symbol]	I	S	10YR 3/3	<p>CLAYEY MUD</p> <p>Major Lithology: CLAYEY MUD dark grayish brown to dark gray (10YR 4/2 to 5Y 3/1). There are gradational contacts between colored layers which vary in thickness from 10 cm to 1 m. Quartz and feldspar grains dominate the sand and silt.</p> <p>Minor Lithologies: FORAMINIFER-BEARING SILTY MUD and FORAMINIFER-BEARING CLAYEY MUD dark gray to dark brown (10YR 4/2 to 5Y 4/1) Sections 1, 2, and 3 (not shown). SILTY CLAY (10YR 4/2) very dark brown Section 5.</p> <p>General Description: Sediment in Section 1 is very soft, even soupy along the liner. Other sections contain somewhat firmer sediment. Tension gashes in Section 1 may be due to splitting process. Dark colored sand grains and foraminifer tests are visible along the sediment surface throughout Section 1 and in Section 2 from 60 to 62 cm. Dropstones occur in all sections and include fine-grained clastic sedimentary and medium- to coarse-grained metamorphic rocks.</p> <p>Dropstones: Section 1, 14 cm, Ø 3.0 cm, black siltstone; Section 1, 67 cm, Ø 1.0 cm, sandstone; Section 1, 77 cm, Ø 4.0 cm, dark sandstone; Section 2, 72 cm, Ø 1.5 cm, shale siltstone; Section 3, 12 cm, Ø 1.0 cm, metamorphic; Section 3, 70 cm, Ø 2.0 cm, dark siltstone; Section 3, 70 cm, Ø 1.0 cm, black shale; Section 3, 70 cm, Ø 1.0 cm, black shale; Section 4, 45 cm, Ø 1.0 cm, shale siltstone; Section 4, 48 cm, Ø 7.0 cm, black shale; Section 4, 50 cm, Ø 6.0 cm black shale; Section 1, 14 cm, Ø 3 cm, black siltstone; 67 cm, Ø 1 cm, sandstone, etc.</p>
1	[Pattern]	1				S	10YR 4/2	
2	[Pattern]	2				S	5Y 4/3	
2	[Pattern]	2				S	5Y 4/1	
3	[Pattern]	3				S	5Y 4/3	
3	[Pattern]	3	S	10YR 4/2 To 7.5R N4/0				
4	[Pattern]	4	S	10YR 3/2				
5	[Pattern]	4	S	5Y 4/2				
5	[Pattern]	4	S	5Y 4/1				
		CC				S		



## SITE 908 HOLE A CORE 2H

CORED 5.4 - 14.9 mbsf

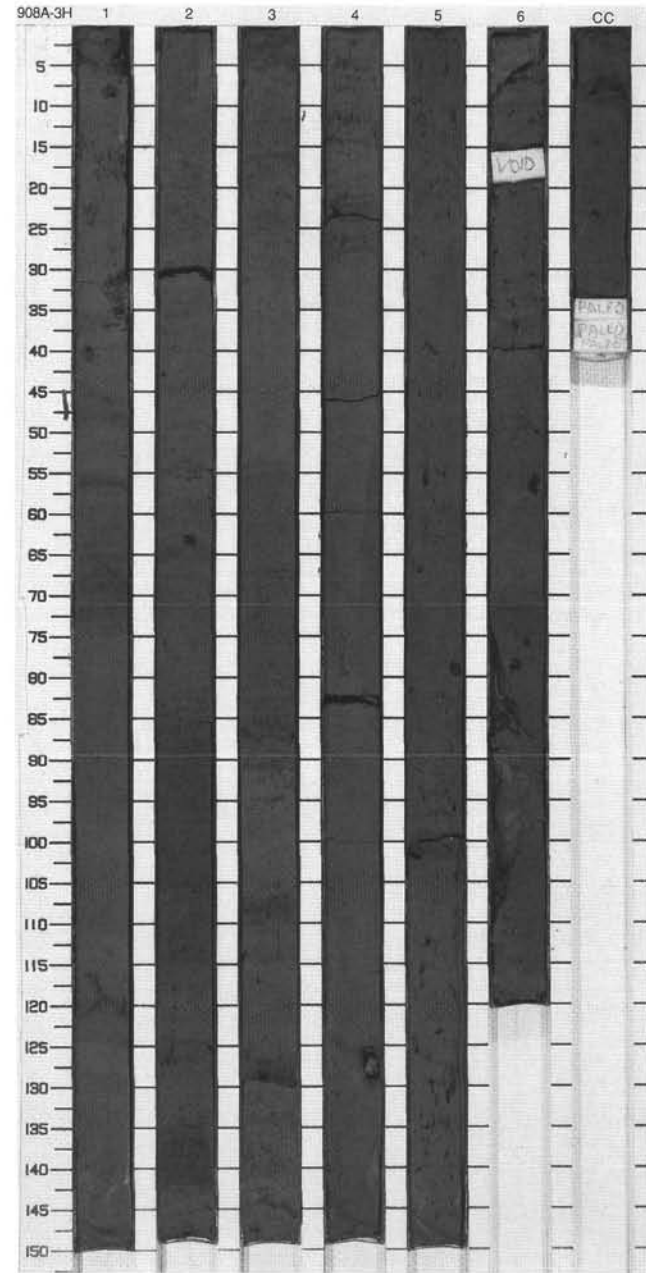
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lithology: Dotted pattern]	1	Quaternary	}	W	S	2.5Y 4/2	<p>SILTY CLAY AND CLAYEY SILT</p> <p>Major Lithology: SILTY CLAY and CLAYEY SILT, with cyclic color and grain-size variations.</p> <p>Minor Lithologies: SILTY MUD, in thin beds, 1–8 cm thick. The thicker beds are shown in the graphic lithology column. Although mostly shades of gray (dark olive gray (10Y 5/0), very dark gray (2.5Y 3/0), they are also dark grayish brown (2.5Y 4/2). FORAMINIFER-BEARING SILTY MUD, gray (2.5Y 5/0), in Section 4, 132–138 cm.</p> <p>General Description: The sediments in this core display cyclic changes in color which also correspond to grain-size changes. Cycles range from about 30 to 100 cm. The base contains silty mud, and in one bed foraminifers are also present, overlying a sharp and probably erosional contact. Gray (dark gray (5Y 4/1), very dark gray (5Y 3/1; 2.5Y 3/0), gray (10Y 5/0; 2.5Y 5/0)) SILTY CLAY and CLAYEY SILT overlie the SILTY MUD and in turn are overlain by olive gray (dark olive gray (5Y 3/2; 10Y 4/2); olive gray (5Y 4/2; 10Y 5/2)) SILTY CLAY and CLAYEY SILT. The lighter colored layers, whether olive gray or gray appear to be finer-grained. The distinctness of the color layers suggest that bioturbation was minimal, although burrows are observed in some, particularly finer grained areas.</p> <p>Dropstones: Section 2, 106 cm, Ø 1.5 cm crumbly black coal; Section 3, 112 cm, Ø 1 cm crumbly coal; Section 4, 42 cm, Ø 1.2 cm schist and 1.2 cm quartzite; Section 4, 101 cm, Ø 2 cm sandstone.</p>
						S	5Y 3/2	
						S	5Y 3/1	
						S	5Y 4/1	
						P	10Y 5/1	
						S	5Y 4/2	
						S	2.5Y N3/0	
						S	5Y 3/1	
						S	5Y 4/2	
						S	2.5Y N5/0	
						S	10Y 4/2	
						S	2.5Y N4/0	
						S	10Y 4/2	
						P	2.5Y N4/0	
						S	5Y 4/2	
S	2.5Y N5/0							
P	5Y 3/1							
S	5Y 4/2							
2	[Graphic Lithology: Horizontal lines]	2	Quaternary	}	W	S	2.5Y 4/2	
3	[Graphic Lithology: Horizontal lines]	3				S	5Y 4/2	
4	[Graphic Lithology: Horizontal lines]	4				S	2.5Y N3/0	
5	[Graphic Lithology: Horizontal lines]	5				S	5Y 3/1	
6	[Graphic Lithology: Horizontal lines]	6				S	5Y 4/2	
7	[Graphic Lithology: Horizontal lines]	7				S	2.5Y N4/0	
8	[Graphic Lithology: Horizontal lines]	8				S	10Y 4/2	
9	[Graphic Lithology: Horizontal lines]	9				S	2.5Y N4/0	
CC	[Graphic Lithology: Horizontal lines]	CC				S	5Y 4/2	



SITE 908 HOLE A CORE 3H

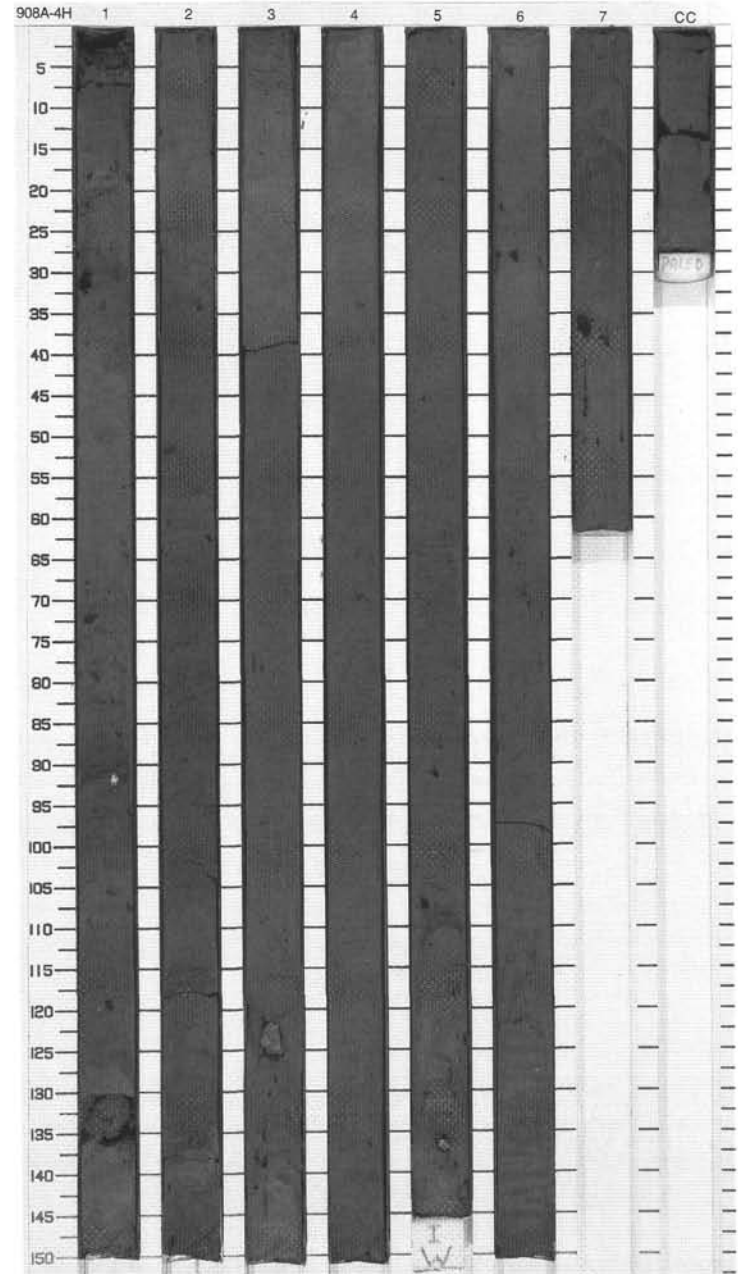
CORED 14.9 - 24.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Quaternary	◇	-	P	5Y 2/1 To 2.5Y 4/2	<p>SILTY CLAY</p> <p>Major Lithology: SILTY CLAY, color varies from black (5Y 4/1) over dark gray (5Y 3/1) to dark grayish brown (2.5Y 4/20), is mostly homogeneous and shows gradational contacts. The darker layers seem to be poorly sorted. Fining-upward sequences are present in Section 2, 65-139 cm and in Section 3, 68 to 129 cm. Sandy lenses (&lt;1 cm) or pockets of sands are present in Section 1, 75-124 cm, and Section 3, 27-45 cm.</p>
2	[Hatched pattern]	2		◇	-	S	10Y 4/1	
3	[Hatched pattern]	3		◇	-	P	5Y 2.5/1 To 2.5Y 4/2	<p>Minor Lithologies: CLAY, very dark gray (5Y 3/1), occurs in Section 3 and contains several small lenses of coarser material (silt/sand).</p>
4	[Hatched pattern]	3		◇	-	S	5Y 3/1	
5	[Hatched pattern]	4		◇	-	P	5Y 2.5/1	<p>General Description: Particles of &lt;2-mm size of black color (?coal fragments) are present throughout the core.</p>
6	[Hatched pattern]	4		◇	-	S	5Y 3/1	
7	[Hatched pattern]	5		◇	-	P	5Y 3/1	<p>Dropstones:                      Section 1, 8 cm, Ø 1.4 cm, 41 cm.                      Section 2, 63 cm, Ø 1 cm, shale.                      Section 4, 24 cm, Ø 5 cm, siltstone; 127 cm, Ø 1 cm.                      Section 6, 79 cm, Ø 1.5 cm, sandy mudstone.                      Section CC, 22 cm, Ø 1 cm.</p>
8	[Hatched pattern]	6		◇	-	P	5Y 3/1	
CC	[Hatched pattern]	CC		◇	-	M		

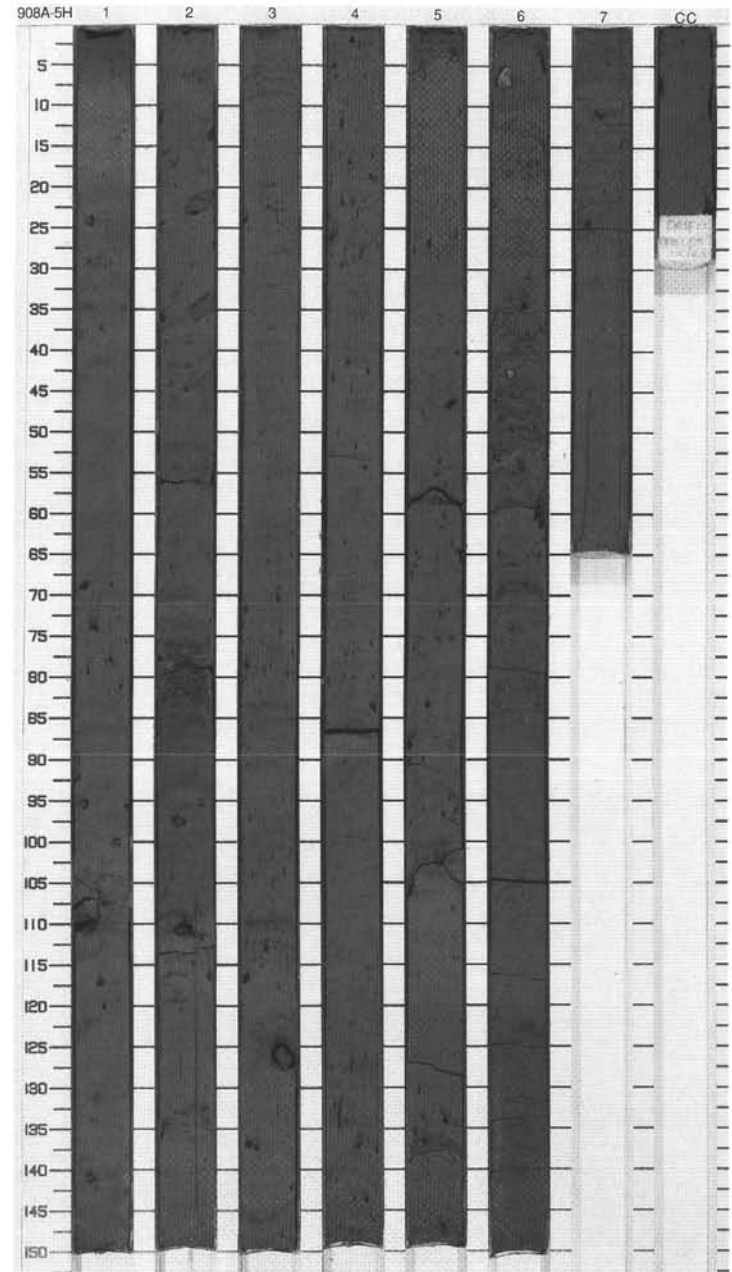


SITE 908 HOLE A CORE 4H CORED 24.4 - 33.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Symbol]	1		[Symbol]		P	5Y 3/1 To 5Y 4/1	<p><b>SANDY CLAY and CLAYEY MUD</b></p> <p>Major Lithologies:                      SANDY CLAY, very dark gray (5Y 3/1), fairly homogeneous, except for very dark scattered pods made of coarse silt and sand, or thin color banding (very dark or brown shades) in Section 6, 40-130 cm. CLAYEY MUD, dark gray (5Y4/1) to dark olive gray (5Y4/2), numerous pockets of coarse material either scattered, concentrated within mottled layers showing indistinct to distinct layering. These two lithologies mainly differ by the amount of coarse sand-sized material. Sharper contacts are observed at the base of the clayey mud which are coarser grained, the upper change through sandy clay being very gradational. Slight bioturbation throughout, burrowing more apparent at lithologic contacts.</p>
2	[Symbol]	2		[Symbol]		S P	5Y 3/1	
3	[Symbol]	3		[Symbol]		S P	5Y 4/1	
4	[Symbol]	4		[Symbol]		S P	5Y 3/1	
5	[Symbol]	5		[Symbol]		S P	5Y 4/1	
6	[Symbol]	6		[Symbol]		P	5Y 3/1	
7	[Symbol]	7		[Symbol]		P	5Y 4/1	
8	[Symbol]	4	Quaternary	[Symbol]		P	5Y 3/1	<p>Minor Lithology:                      DETRICARBONATE CLAY, Section 3, 0-18 cm, dark grayish brown (10YR 4/2), scattered small-sized clayey pockets. Sharp basal contact.</p>
9	[Symbol]	5		[Symbol]		P	5Y 3/1	<p>General Description:                      Dropstones were observed:                      Section 1, 93 cm, Ø 1.5 cm, igneous rock.                      Section 4, 120 cm; Ø 4 cm, black quartzite(?).                      Section 5, 130 cm, Ø 1 cm, green shale fragment.</p>
10	[Symbol]	6		[Symbol]		P	5Y 3/1	
11	[Symbol]	7		[Symbol]		P	5Y 4/1	
12	[Symbol]	CC		[Symbol]		M	5Y 4/1	

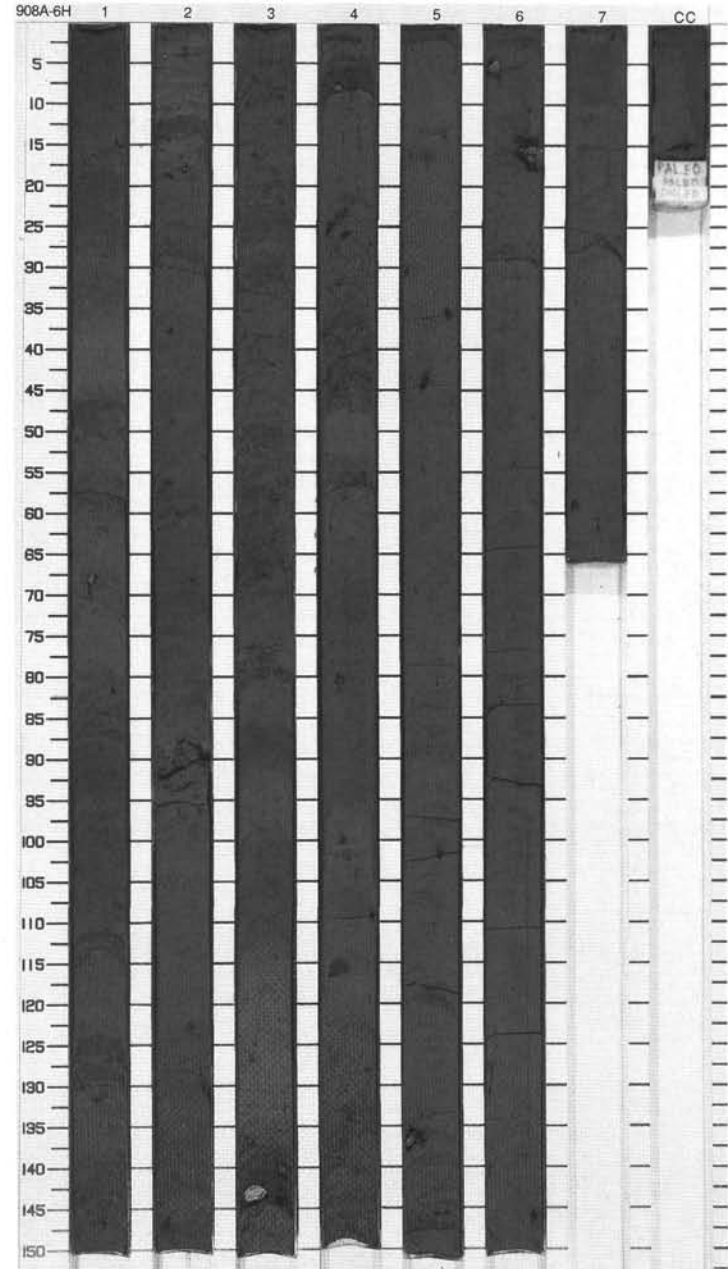


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		◇		S	5Y 3/1 To 5Y 4/1	<p>CLAYEY MUD and SILTY CLAY</p> <p>Major Lithologies:                      CLAYEY MUD and SILTY CLAY, very dark gray (5Y 3/1), is relatively homogeneous throughout the core. Section 1 exhibits alternating very dark gray (5Y 3/1) and dark gray (5Y 3.5/1) layers. Both lithologies contain mm- to cm-size pockets filled with either very dark gray (5Y 3/1) sandy sediment or black (5Y 2.5/1) sediment (possibly coaly and/or rich in opaques); these may be after burrow structures. Laminae and lenses of sandy sediment are in Section 2, 109–120 and 132–136 cm; Section 3, 4–9, 83–85, and 109–115 cm; Section 4, 83–87 cm; Section 5, 58 and 136–138 cm. Mm-size pods of white sand are scattered throughout probably burrow fills. Silt- and sand-sized grains comprising both CLAYEY MUD and SILTY CLAY include quartz (2%–40%), feldspar (5%–10%), accessory minerals (2%–6%), and opaques (&lt;3%).</p> <p>Minor Lithology:                      CLAY, dark gray (5Y 4.5/1), Section 1, 6–20 cm. It is composed of clay-sized grains of detrital carbonate (80%) and minor amounts of quartz, accessory minerals, and opaques.</p> <p>General Description:                      Dropstones:                      Section 1, 24 cm, Ø 1 cm, siltstone; 95 cm, Ø 1 cm, siltstone;                      Section 3, 126 cm, Ø 3 cm, sandstone;                      Section 6, 10 cm, Ø 1 cm, siltstone;                      Section 7, 10 cm.                      Mud clasts occur in Section 1, 100–101 cm, 141–142 cm;                      Section 2, 111–112 cm.</p>
2	[Pattern]	2		◆		S		
3	[Pattern]	3		◆		S		
4	[Pattern]	4				P		
5	[Pattern]	5				P		
6	[Pattern]	6		◇		S		
7	[Pattern]	7		◇		P		
8	[Pattern]	8		◇		P		
9	[Pattern]	9		◇		S		
CC	[Pattern]	CC				M		



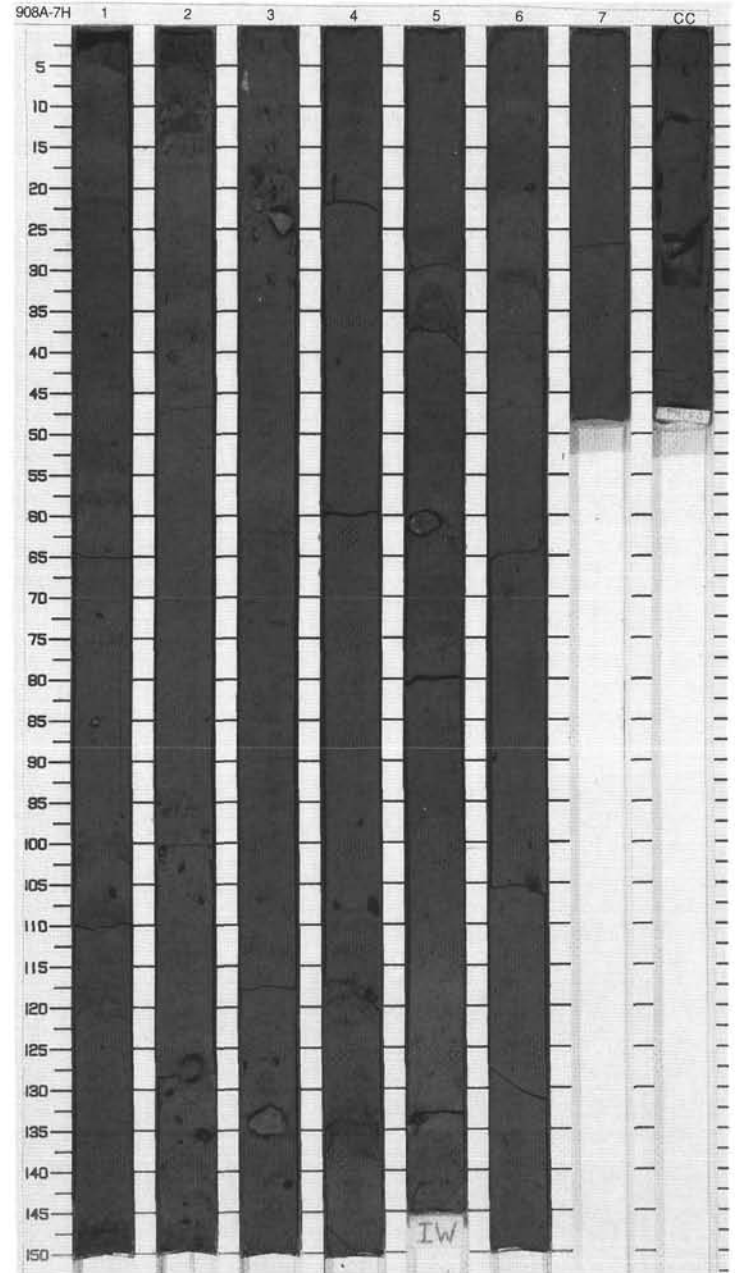
SITE 908 HOLE A CORE 6H CORED 43.4 - 52.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1				S P	5Y 3/1	SILTY MUD and SILTY CLAY
2		2				S P	5Y 3/2	Major Lithologies: SILTY MUD, very dark gray (5Y 3/1) to dark gray (5Y 4/1) is present in the interval, Section 1, 0 cm to Section 4, 10 cm. Throughout this interval, very dark gray (5Y 3/1) layers of sand and sandy mud are common. Most layers have gradational contacts, but a few have a sharp lower boundary. Thickness ranges from a few mm to 15 cm. One layer is marked in the lithology column. Two layers comprised of gray (5Y 5/1) clay-sized calcite?-crystals are present in Section 1, 37-45 cm and Section 3, 91-95 cm. In Section 2, 35-80 cm alternating bands of very dark gray (5Y 3/1) and dark gray are present. Sand-filled burrows are seen in Section 1.
3		3				S P	5Y 4/1	
4		4				S P	5Y 3/1	Homogeneous SILTY CLAY, very dark gray (5Y 3/1) is present from Section 4, 10 cm to bottom of core catcher. A few coarser grained layers are seen in the top of this interval. Up to 2-cm-thick greenish gray (5GY 4/1) and reddish gray (2.5YR 4/2) color bands in the bottom of Section 4. Mud clasts (or coal?) are common in this lithology.
5		5				S P	5Y 4/1	
6		6				S P		Minor Lithology: CLAYEY MUD, Section 3, 114-136 cm, dark gray (5Y /1).
7		7				S P		
8		8				S P	5Y 3/1	General Description: Dropstones: Section 2, 122 cm, Ø 1 cm, sedimentary. Section 3, 138 cm, Ø 1.2 cm, sandstone; 145 cm, Ø 2.5 cm, carbonate; Section 5, 135 cm; Ø 1.5 cm, amphibolite(?); Section 6, 5 cm, Ø 1 cm, siltstone; 14 cm, Ø 3 cm, slate.
9		9				S P		
CC		CC				M		



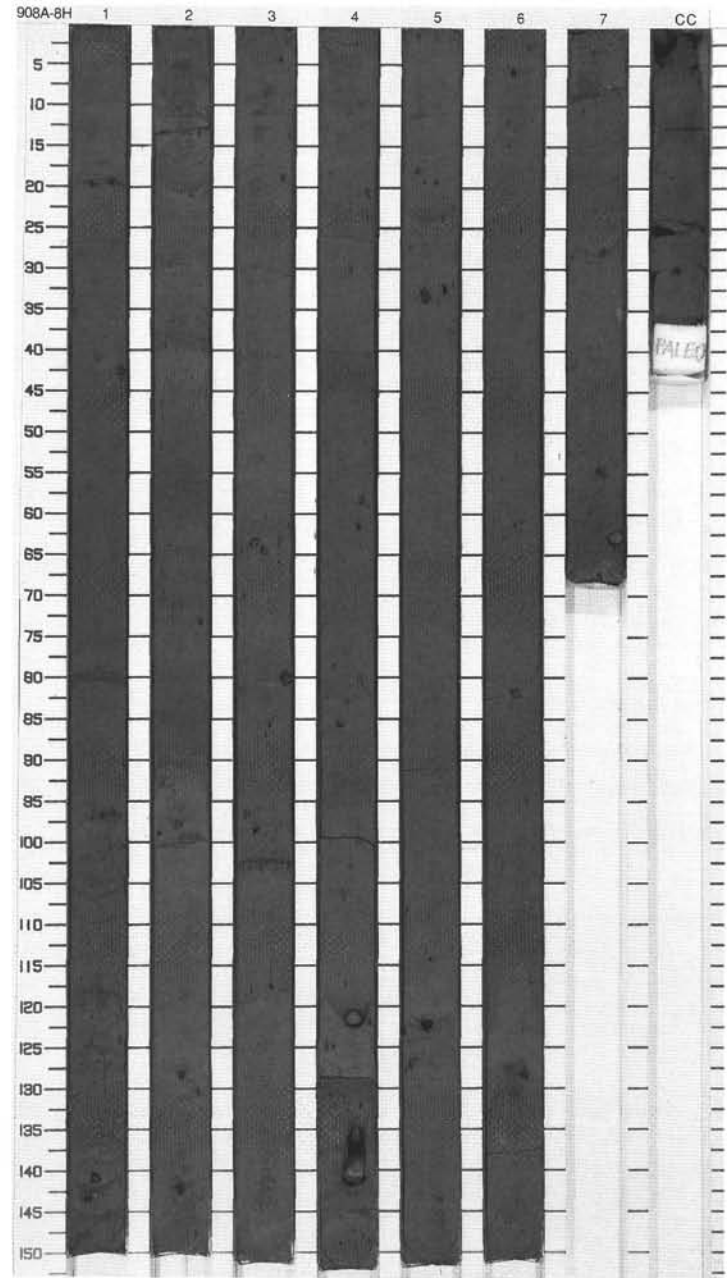


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched]	1	Pliocene-Pleistocene	[Symbol]		P		CLAYEY SILT
2	[Hatched]	2		[Symbol]		S	5Y 3/1	Major Lithology: CLAYEY SILT, homogeneous very dark gray (5Y 3/1) throughout most of the core. Faintly interbedded very dark gray to dark greenish gray (5GY 4/1) CLAYEY SILT in Section 1, top of core to 70 cm, Section 2, 10-57 and 100-150 cm, Section 3, 60-115 cm, and Section 5, 63-88 cm.
3	[Hatched]	3		[Symbol]		P		Minor Lithologies: Distinctive, (reddish) very dark gray (5YR 3/1) DETRICARBONATE-BEARING CLAYEY MUD appears in Section 3, 16-24 cm, accompanied by numerous dropstones. DETRICARBONATE CLAY appears in Section 5, 120-133 cm.
4	[Hatched]	4		[Symbol]		S	5Y 3/1 To 5GY 4/1	General Description: Dropstones found at: Section 2, 134 cm, Ø 1.8 cm (?), Section 2, 148 cm, Ø 1.5 cm Fe-rich claystone, Section 3, 6 cm, Ø 3 cm(?), Section 3, 14 cm, 1 cm shale, Section 3, 6 cm, Ø 3 cm; 21 cm, Ø 1 cm red sandstone; 23 cm, Ø 4 cm, sandstone; 133 cm, Ø 3.5, sandstone; 141 cm, Ø 1 cm, shale; Section 5, 62 cm, Ø 3 cm shale, Section 5, 135 cm, Ø 1.5 cm shale.
5	[Hatched]	5		[Symbol]		P		
6	[Hatched]	6		[Symbol]		S	5Y 3/1	
7	[Hatched]	7		[Symbol]		P		
8	[Hatched]	8		[Symbol]		S	5Y 4/1	
9	[Hatched]	9		[Symbol]		P		
CC	[Hatched]	CC				M		



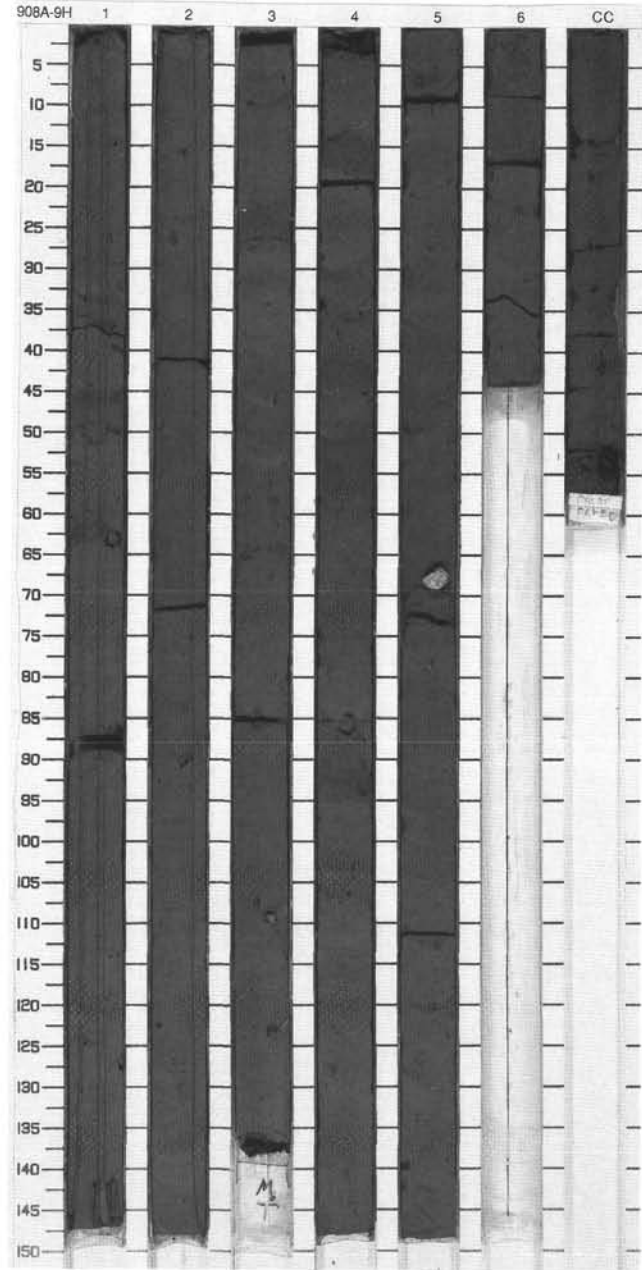
SITE 908 HOLE A CORE 8H CORED 62.4 - 71.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		---		S	5Y 3/1	<p><b>SILTY CLAY</b></p> <p>Major Lithology: SILTY CLAY, very dark gray (5Y 3/1), is homogeneous, containing mm-size white pumice(?) pods and pockets of black (5Y 2.5/1) sediment and gray (5Y 5/1) sand, &lt;1 cm in diameter. Sandy laminae or lenses are present in Section 1, 78-81 cm; Section 2, 90-100 cm; Section 3, 102-103 cm; Section 4, 40-46 cm; Section 7, 7-9 cm. Dark greenish gray (5GY 4/1) layers occur in Section 1, 27-36 cm; Section 3, 55-62 cm, 120-123 cm. Silt- and sand-sized grains in SILTY CLAY include quartz (10%-30%), feldspar (2%-10%), and accessory and opaque minerals (&lt;5%); traces of glauconite are present.</p> <p>Minor Lithology: CLAY, very dark gray (5Y 3/1, 10YR 3/1), in Sections 1, 2, and 7. It contains well-sorted and rounded, mud-sized particles of carbonate (20%-90%), which are probably detrital in origin; other silt- and sand-sized components include quartz (10%-20%), feldspar (&lt;2%), and minor to trace amounts of accessory minerals, opaques, and glauconite.</p> <p>General Description: Dropstones: Section 4, 121 cm, Ø 2.5 cm, dark sandstone; 139 cm, Ø 3.0 cm, dark shale; Section 7, 62 cm, Ø 1 cm, brown siltstone? Pebble-sized grains are present in Section 1, 83-116 and 41 cm; Section 2, 128-143 cm; Section 3, 63-65 and 96-99 cm; Section 4, 121-123 and 139-141 cm; Section 6, 5 and 81 cm; Section 7, 62 and 27 cm.</p>
1	[Pattern]	1		---		P	To 5Y 4/1	
2	[Pattern]	2		---		S		
2	[Pattern]	2		---		P		
3	[Pattern]	3		---		S		
3	[Pattern]	3		---		P		
4	[Pattern]	4		---		S		
4	[Pattern]	4		---		P		
5	[Pattern]	4		---		P	5Y 3/1	
6	[Pattern]	4		---		P		
7	[Pattern]	5		---		S		
8	[Pattern]	6		---		P		
9	[Pattern]	6		---		P		
9	[Pattern]	7		---		S	10YR 3/1	
9	[Pattern]	7		---		P		
10	[Pattern]	CC		---		M	5Y 2/1	



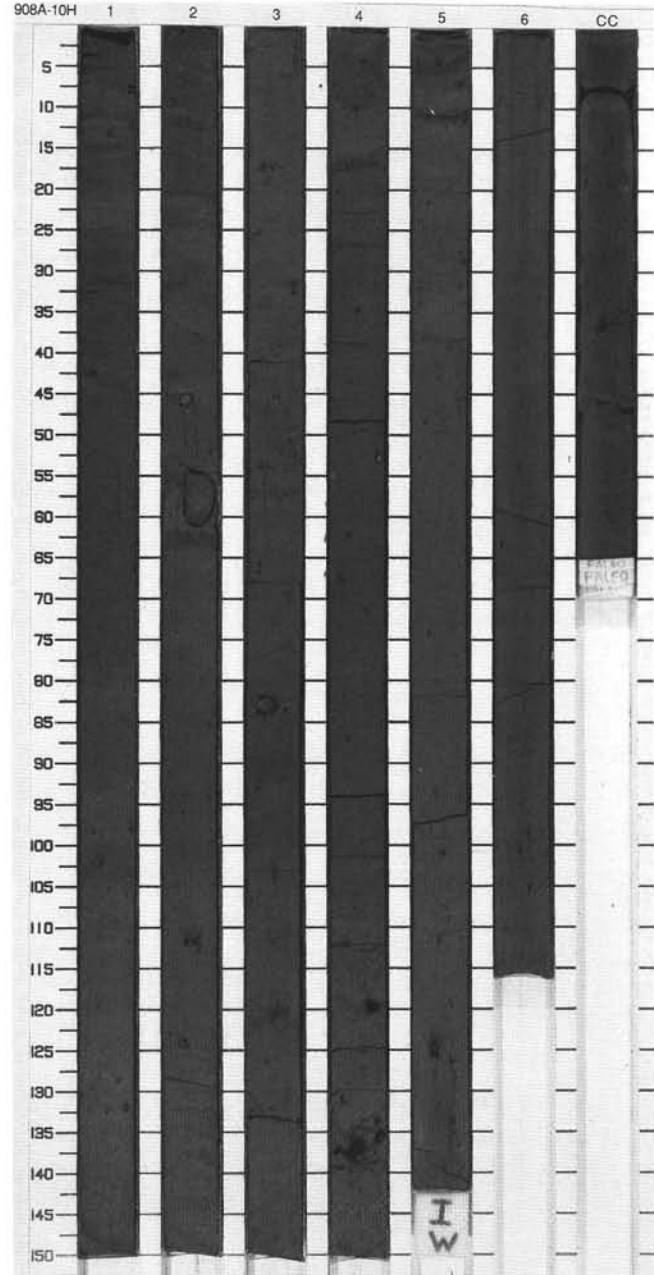


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1		[Symbol]		S P	5Y 3/1	<p>SILTY MUD and SILTY CLAY</p> <p>Major Lithologies:                      SILTY MUD, very dark gray (5Y 3/1 and 10Y 3/1) is present from Section 1, 60 cm to Section 4, 0 cm. The mud is homogeneous with dispersed pockets of coarser material and color bands. Color bands are black or dark olive gray (5Y 3/2) and consist of silty clay or clayey mud. Mud clasts up to 3.0 cm in diameter are seen throughout this lithology. SILTY CLAY, very dark gray (5Y 3/1) or dark greenish gray (10Y 4/2) is present from Section 4, 0 cm to bottom of core catcher. The clay is homogeneous, although color bands, pockets of coarser material (dark grayish brown, 10YR 4/2) and burrows are present in some intervals. Color bands are dark gray (5Y 4/1) or dark reddish gray (5YR 3/1) with thicknesses up to 3 cm. Mud clasts are present in the core catcher, 50–55 cm. One clast, 3 cm in diameter includes 30% clay-sized detrital carbonate.</p> <p>Minor Lithology:                      CLAYEY SILT, very dark gray (5Y 3/1) is present in Section 1, 0–60 cm. The uppermost 10 cm of this lithology is dark gray (10YR 4/1) clay.</p> <p>General Description:                      Dropstones:                      Section 1, 58–59 cm, Ø 2.0 cm, schist;                      Section 3, 108–109 cm, Ø 1.5 cm, porphyritic basalt;                      Section 4, 85–86 cm, Ø 2.0 cm, sandstone;                      Section 5, 48–50 cm, Ø 2.7 cm, quartz.</p>
1	[Pattern]	1		[Symbol]		S P	10Y 3/1	
2	[Pattern]	2		[Symbol]		P		
3	[Pattern]	3		[Symbol]		P		
3	[Pattern]	3		[Symbol]		S P	5Y 3/1	
4	[Pattern]	4		[Symbol]		S P		
5	[Pattern]	5		[Symbol]		S		
5	[Pattern]	5		[Symbol]		P		
6	[Pattern]	6		[Symbol]		P	10Y 4/2	
7	[Pattern]	7		[Symbol]		P		
8	[Pattern]	8		[Symbol]		P	5Y 3/1	
8	[Pattern]	CC		[Symbol]		S M		



SITE 908 HOLE A CORE 10H CORED 81.4 - 90.9 mbsf

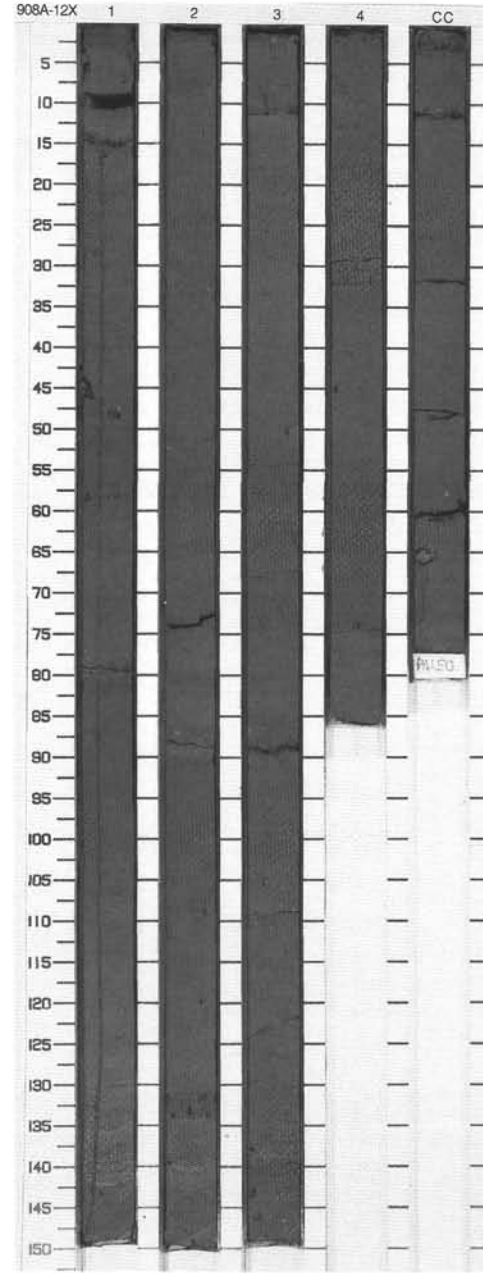
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pliocene-Pleistocene	[Diamond symbols]	-	P		<p><b>SILTY CLAY</b></p> <p>Major Lithology: SILTY CLAY, homogeneous, and scattered with small (2-5-mm) mud clasts and coal fragments. Color varies from very dark gray (5Y 3/1) to dark gray (2.5Y N4/0). Lower portion of the core (below Section 5, 40 cm) is highly disturbed due to flow-in.</p> <p>Minor Lithology: Thin, gray (10YR 5/1) SANDY MUD layers are recognized in Section 4, 17-17.5 cm, and Section 5, 10-10.5 cm.</p> <p>General Description: Dropstone occurrence: Section 1, 42 cm, Ø 1 cm, sandstone, Section 2, 45 cm, Ø 1.5 cm, quartzite; 60 cm, Ø 6 cm, basalt; 124 cm, Ø 1 cm, basalt.</p>
1	[Hatched pattern]	1		S		2.5Y N3/0		
2	[Hatched pattern]	2		P				
2	[Hatched pattern]	2		P				
3	[Hatched pattern]	3		P		2.5YR N4/0		
3	[Hatched pattern]	3		P				
4	[Hatched pattern]	4		P				
4	[Hatched pattern]	4		S				
5	[Hatched pattern]	5		P		5Y 3/1		
5	[Hatched pattern]	5		P				
6	[Hatched pattern]	6	P					
7	[Hatched pattern]	7	P					
8	[Hatched pattern]	8	P		2.5Y N4/0			
8	[Hatched pattern]	8	P					
9	[Hatched pattern]	9	CC			M		





SITE 908 HOLE A CORE 12X CORED 100.6 - 110.4 mbsf

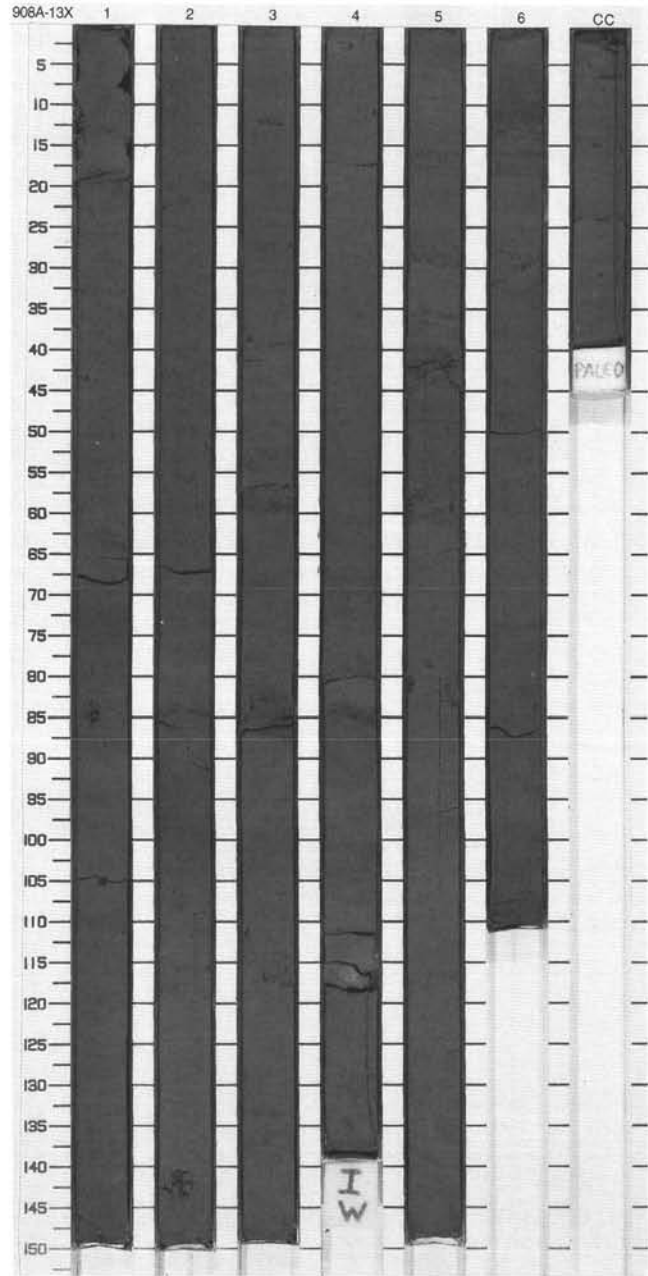
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pliocene-Pleistocene	◇		S	2.5Y N3/0	<p>CLAYEY MUD AND CLAY</p> <p>Major Lithology: SILTY CLAY and CLAY, mostly very dark gray (2.5Y 3/0), with thin bands of dark greenish gray (5GY 4/1).</p> <p>Minor Lithology: SILTY MUD and CLAYEY MUD, very dark gray (2.5Y 3/0) and dark greenish gray (5GY 4/1) as thin, 1–10-mm-thick layers, commonly just above the dark greenish gray layers.</p> <p>General Description: Fairly homogeneous core with slight color gradations and three layers of silty mud. The silty mud lies above the dark greenish gray, which grades into gray. In Section 2, 88 cm, the contact between the silty mud is sharp, possibly erosive. There are several minor color-banded intervals within these two colors.</p> <p>Dropstones: Section 1, 43 cm, Ø 1 cm, black coal/clayey slate; Section CC, 64 cm, Ø 2.2 cm, quartzite.</p>
2	[Hatched pattern]	2				P		
3	[Hatched pattern]	3				S		
4	[Hatched pattern]	3				S		
5	[Hatched pattern]	4				P		
6	[Hatched pattern]	CC				P		
				◇		MP		



SITE 908 HOLE A CORE 13X

CORED 110.4 - 120.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	Pliocene-Pleistocene		-		P	5Y 3/1	<p>SILTY CLAY and CLAYEY SILT</p> <p>Major Lithologies: Dark gray, (2.5Y 4/0), SILTY CLAY and CLAYEY SILT. Surface is firm, smooth, and homogeneous throughout. Includes 40%–55% each, silt and clay, with approximately 5% sand grains. Quartz is the dominant mineral, but substantial amounts of feldspar, opaques, and accessory minerals occur. Sediment is barren of biogenic material.</p> <p>Minor Lithologies: Dark gray, (2.5Y 4/0), DETRITAL CARBONATE-BEARING SILTY CLAY and DETRITAL CARBONATE-BEARING CLAYEY SILT. Sediments containing 30% to 50% fine (&lt;5-µm) well-sorted carbonate grains are disseminated throughout the major lithologies. The use of the term detrital here is intended to make the distinction with biogenic carbonate, and not to exclude a possible authigenic origin. CLAYEY MUD occurs in discrete 1- to 7-cm layers throughout the core. These layers are characterized by higher sand content (approximately 25%) while having similar composition to the dominant lithologies.</p> <p>General Description: Dominant lithologies are homogeneous throughout most of the core. Minor lithologies are only distinguishable in smear slides. Mud clasts occur in Section 1, 84 and 105 cm. A large (6-cm) carbonate concretion, containing trace fossils, occurs in Section 4, 115–121 cm. CLAYEY MUD layers have scoured basal contacts and gradational tops.</p>
1						S	5BG 4/1	
2						S	2.5Y N4/0	
2						P	5BG 4/1	
3						S	2.5Y N4/0	
3						S	5BG 4/1	
4						P	2.5Y N4/0	
4						S	5BG 4/1	
5						P	2.5Y N4/0	
5		S	5BG 4/1					
6		P	2.5Y N4/0					
6		S	5BG 4/1					
7		P						
8		P	2.5Y N4/0					
8		S						
9		P						
9		M						



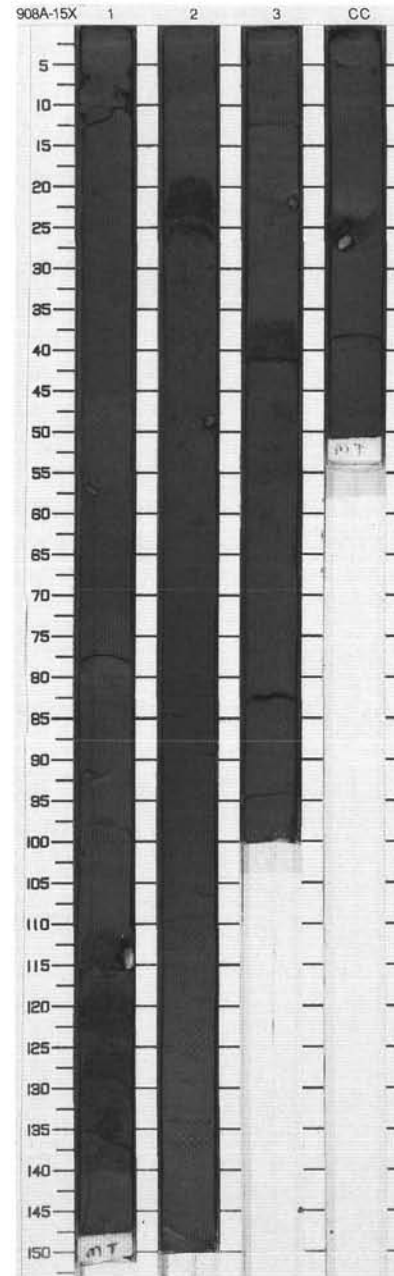




SITE 908 HOLE A CORE 15X

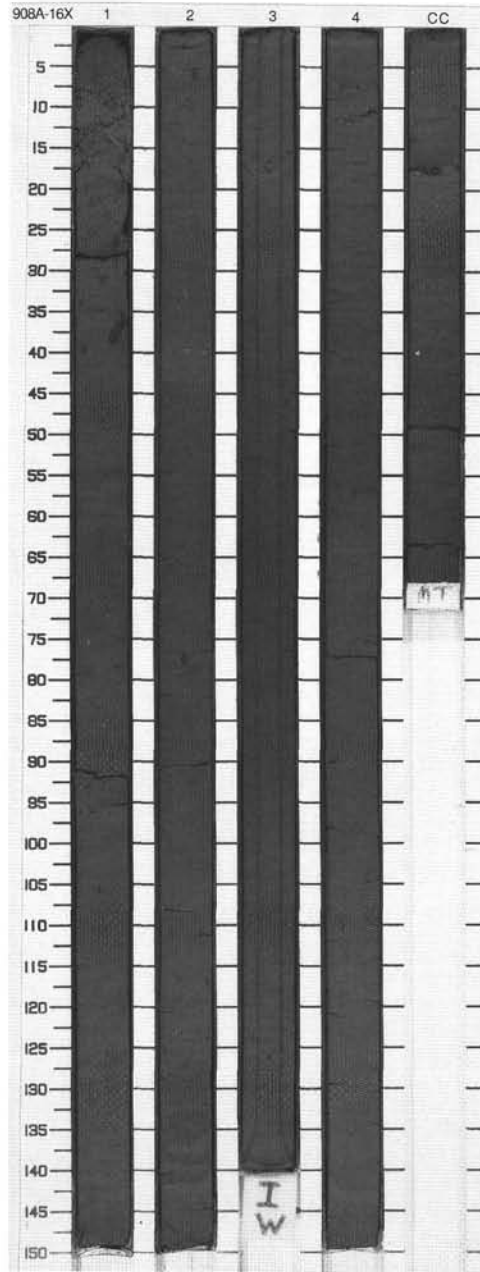
CORED 129.7 - 139.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3 4	[Stratigraphic column with patterns for sections 1, 2, 3, 4 and core CC]	1 2 3 4 CC	Pliocene-Pleistocene	[Structure symbols: dashes, diamonds, circles with 'P']	[Disturbance symbols: vertical lines, circles with 'P']	P S P P S S P P M	5Y 3/1	SILTY CLAY
							5Y 4/1	Major Lithology: SILTY CLAY, structureless and homogeneous, color varies from very dark gray (5Y 3/1) to dark gray (5Y 4/1), several pods of slightly coarser material in Section 2, 26-82 cm, and Section 3, 57-99 cm.
							5Y 4/2	
							5Y 4/1	
							5Y 3/1	Minor Lithologies: SILTY MUD, structureless and homogenous, contains pyrite concretion (2 cm Ø).
							5Y 4/1	
							5Y 3/1	General Description: Dropstones: Section 1, 115 cm, Ø 3 cm, siltstone; Section CC, 26 cm, Ø 2 cm, siltstone.
							5Y 3/1	



SITE 908 HOLE A CORE 16X CORED 139.2 - 148.7 mbsf

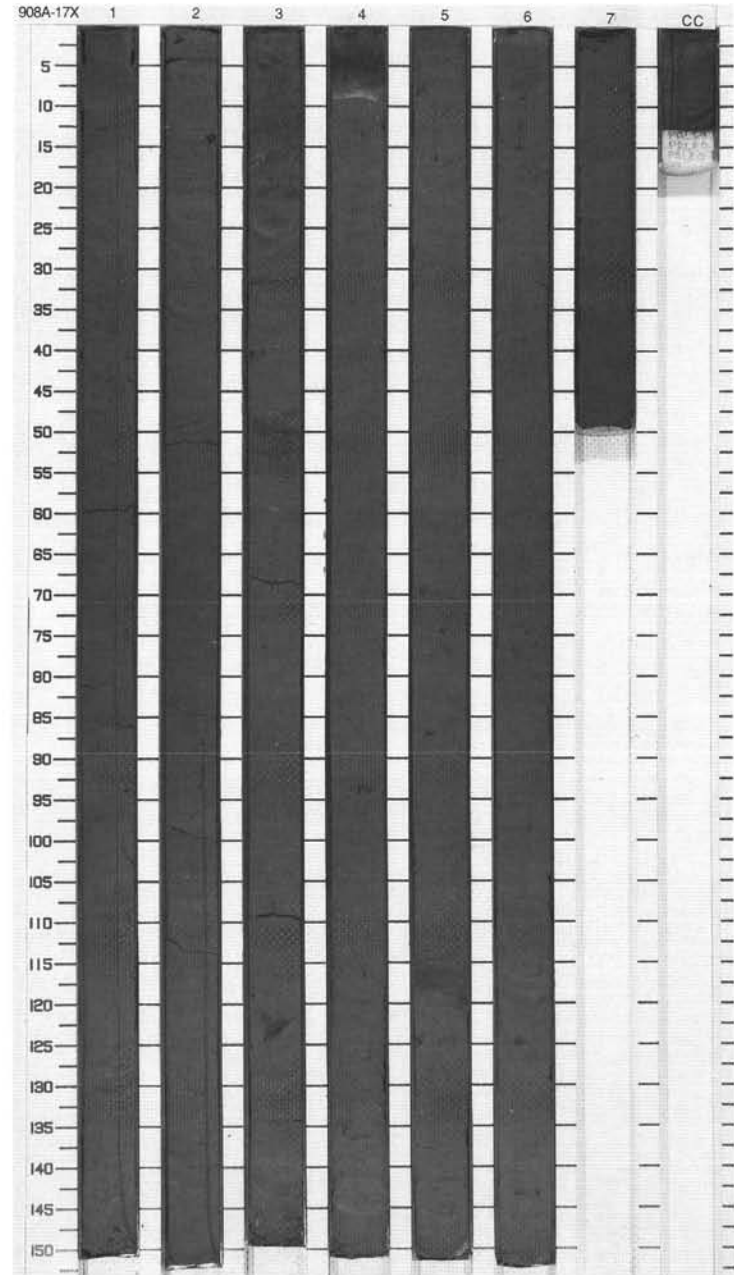
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Horizontal dashed lines]	1		}}	0	S		<p>SILTY CLAY</p> <p>Major Lithology: Homogeneous SILTY CLAY, very dark gray (5Y 3/1), stiff. Very few scattered burrow infillings by coarser sediment (clayey mud). Silt bed dispersed by bioturbation in Section 1, 22-28 cm. Incipient drilling biscuit.</p>
2	[Horizontal dashed lines]	2		}}		P		
3	[Horizontal dashed lines]	3	early Pliocene	}}		P	5Y 4/1	
4	[Horizontal dashed lines]	4		}}		I		
5	[Horizontal dashed lines]	4		}}		S		
6	[Horizontal dashed lines]	4		}}		P		
	[Horizontal dashed lines]	CC		}}		M		



SITE 908 HOLE A CORE 17X

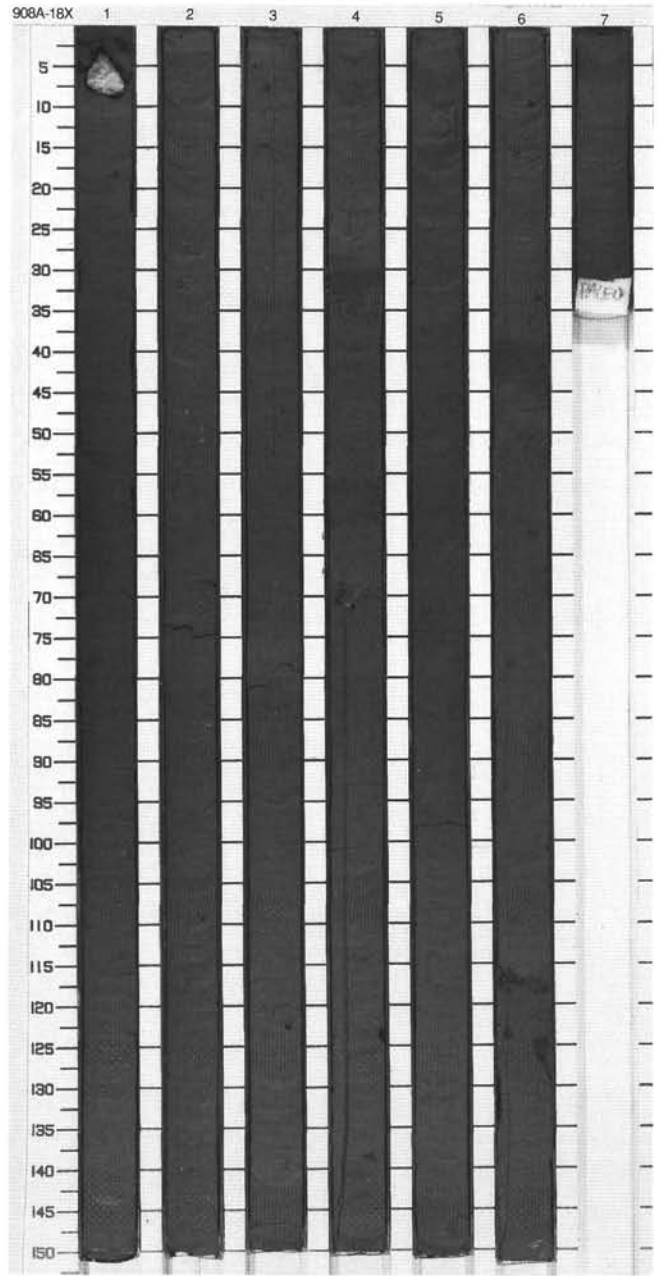
CORED 148.7 - 158.2 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1 early Pliocene			S	5Y 3/1	<p><b>SILTY CLAY</b></p> <p>Major Lithology: SILTY CLAY, very dark gray (5Y 3/1), is homogeneous, containing mm-sized white pods of sand scattered throughout the core. They are irregular in shape and &lt;1 cm in size; some may be burrows. Incipient, pyritic concretions were noted in sandy pockets in Section 3, 122-124 cm; Section 4, 93-94 cm; and Section 6. Silt- and sand-sized grains in SILTY CLAY include quartz (25%-30%) and minor amounts of feldspar, accessory minerals, and opaques; glauconite is present in trace amounts.</p> <p>Minor Lithologies: CLAYEY MUD, very dark gray (5Y 3/1), is present as discontinuous laminae in Section 2, 49 cm; Section 3, 9-21 and 48-55 cm; Section 4, 3-9 cm; Section 5, 115-119 cm. An ASH layer in Section 4, 3-9 cm, is light gray (5Y 6/1) in the lower 1 cm and grades up into very dark gray (5Y 3/1). It has a sharp basal contact and a gradational top contact. Volcanic glass shards are colorless and predominantly flat and angular with minor ridged grains.</p>
2					S P		
3					P		
4					S		
5					P		
6					P		
7					M		



SITE 908 HOLE A CORE 18X CORED 158.2 - 167.8 mbsf

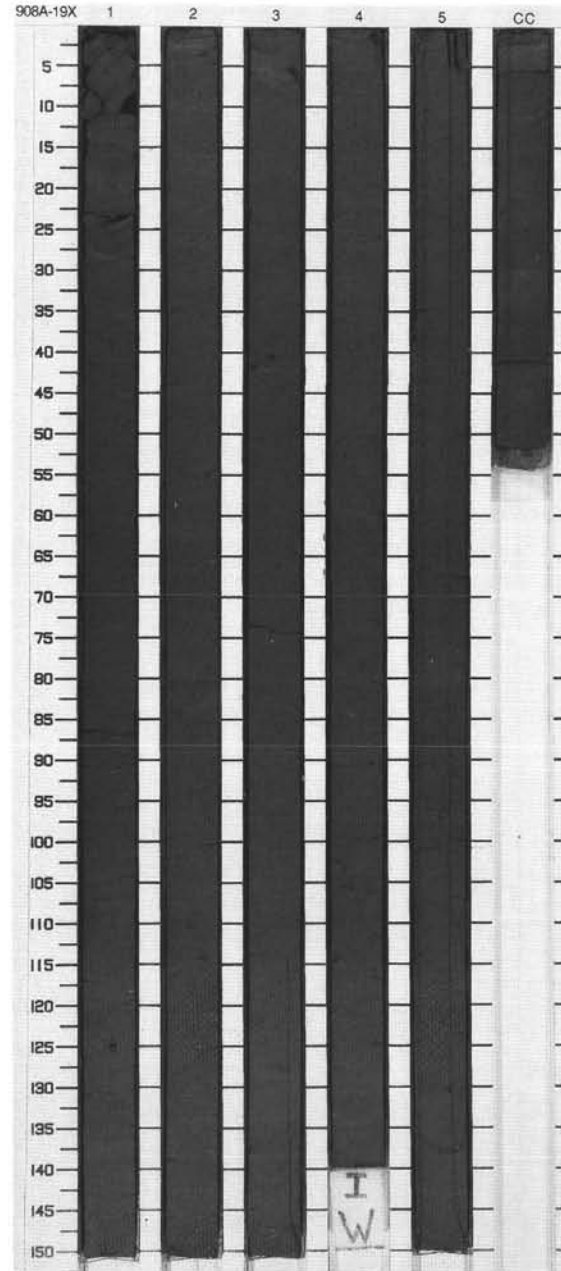
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	P	}}	S	S		<p><b>SILTY CLAY</b></p> <p>Major Lithology: Homogeneous SILTY CLAY, very dark gray (5Y 3/1), stiff. A few burrows, some are filled by friable white sand, others are brown and pyrite cemented. A very faint color banding with more greenish shades (10Y 4/1) occur in Section 3, 25-70 cm. Traces or a few percent of biosilica.</p> <p>Minor Lithology: CLAYEY MUD, dark olive gray (5Y 4/1) and dark greenish gray (5GY 4/1) occurs as discrete intervals in Section 3, 77-82 cm, Section 4, 30-33 and 56-60 cm and Section 6, 38-44 cm. These beds are strongly bioturbated.</p>
2	[Hatched pattern]	2	P	}}	S	S	5Y 3/1	
3	[Hatched pattern]	3	P	}}	S	S		
4	[Hatched pattern]	3	P		S	S	5Y 3/1 To 10Y 3/1	
5	[Hatched pattern]	4	P		S	S		
6	[Hatched pattern]	4	P	Ⓟ	S	P		
7	[Hatched pattern]	5	P	}}	S	P	5Y 3/1	
8	[Hatched pattern]	6	P	}}	S	P		
9	[Hatched pattern]	6	P		S	P		
10	[Hatched pattern]	7	P	}}	M	P		



SITE 908 HOLE A CORE 19X

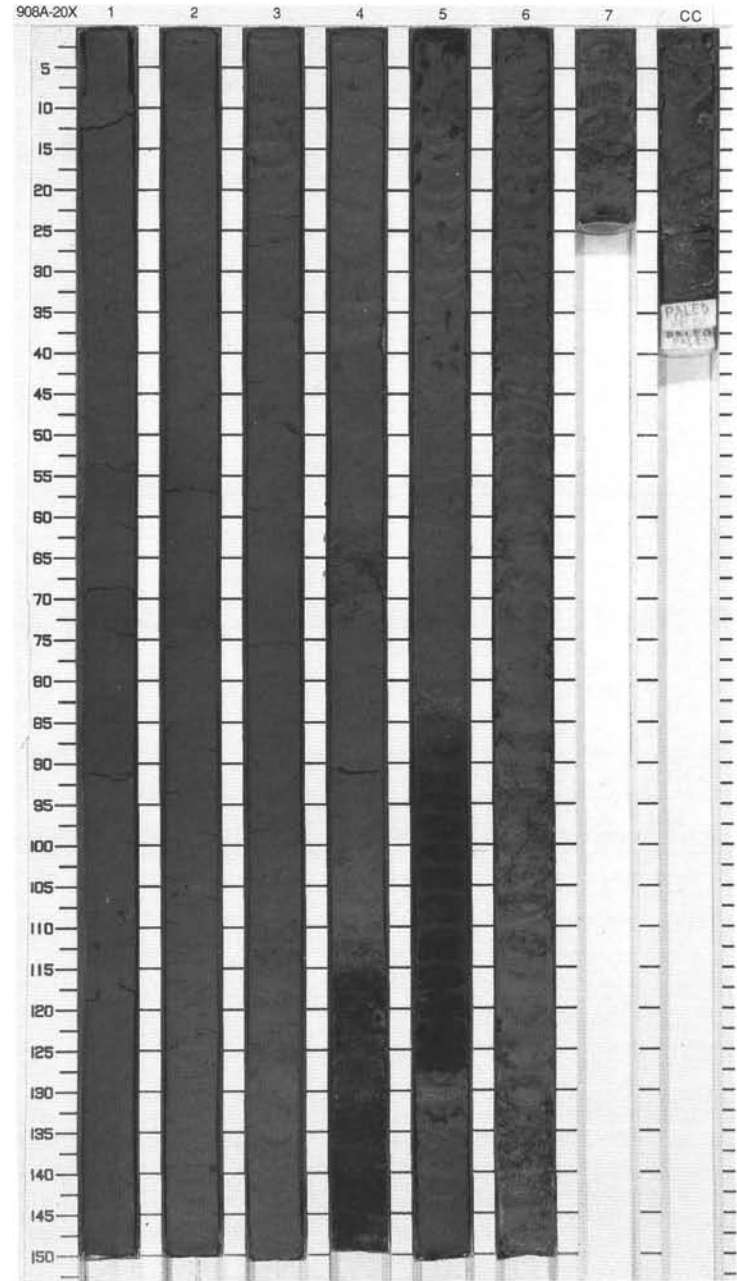
CORED 167.8 - 177.4 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1	Ⓟ	-	P	5Y 3/1	<p>SILTY CLAY</p> <p>Major Lithology: SILTY CLAY, very dark gray (5Y 3/1), nearly homogeneous and featureless. Pyritized burrows and small (mm) sand pockets present throughout core.</p> <p>Minor Lithology: Very dark gray (10Y 3/1) PYRITE-BEARING CLAYEY SILT in Section 2, 79-81 cm, containing 30% silt-sized pyrite rhombs.</p>
2		S P					
3		P					
4		Ⓟ					
5		Ⓟ					
6		Ⓟ					
7		Ⓟ					
8		CC	M		5Y 3/1 To 10Y 3/1		



SITE 908 HOLE A CORE 20X CORED 177.4 - 187.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		(P)	!	P		<p><b>SILTY CLAY AND CLAYEY SILT</b></p> <p>Major Lithology: Homogeneous, very dark gray (5Y 3/1) SILTY CLAY AND CLAYEY SILT, with common pyritized burrows and pyrite pods from top of core through Section 4, 110 cm.</p> <p>Minor Lithology: SILTY SAND in Section 4, 111 cm to Section 5, 2 cm, and from Section 5, 84-150 cm. The unit in Section 4 grades from (brownish) very dark gray (5Y 3/1) to (greenish) very dark gray (10Y 3/1). The unit in Section 5 is a (deep greenish) very dark gray (10Y 3/1), bounded at base and top by 2-4-cm-thick (yellowish) olive (5Y 4/4) silty muds. Both units contain 60%-70% glauconite.</p>
1	[Hatched pattern]			(P)		P		
2	[Hatched pattern]	2		(P)		S P	5Y 3/1	
2	[Hatched pattern]			(P)		P		
3	[Hatched pattern]	3		(P)		P		
3	[Hatched pattern]			(P)		P		
4	[Hatched pattern]	4		(P)		P		
4	[Hatched pattern]			(P)		P	5Y 3/1 To 10Y 3/1	
5	[Hatched pattern]	5		(P)		S		
5	[Hatched pattern]			(P)		S	5Y 3/1	
6	[Dotted pattern]	6		(P)		S	10Y 3/1	
6	[Dotted pattern]			(P)		S		
7	[Dotted pattern]	7		(P)		S P		
7	[Dotted pattern]			(P)		P	5Y 3/1	
9	[Hatched pattern]	9		(P)		M		
		CC						

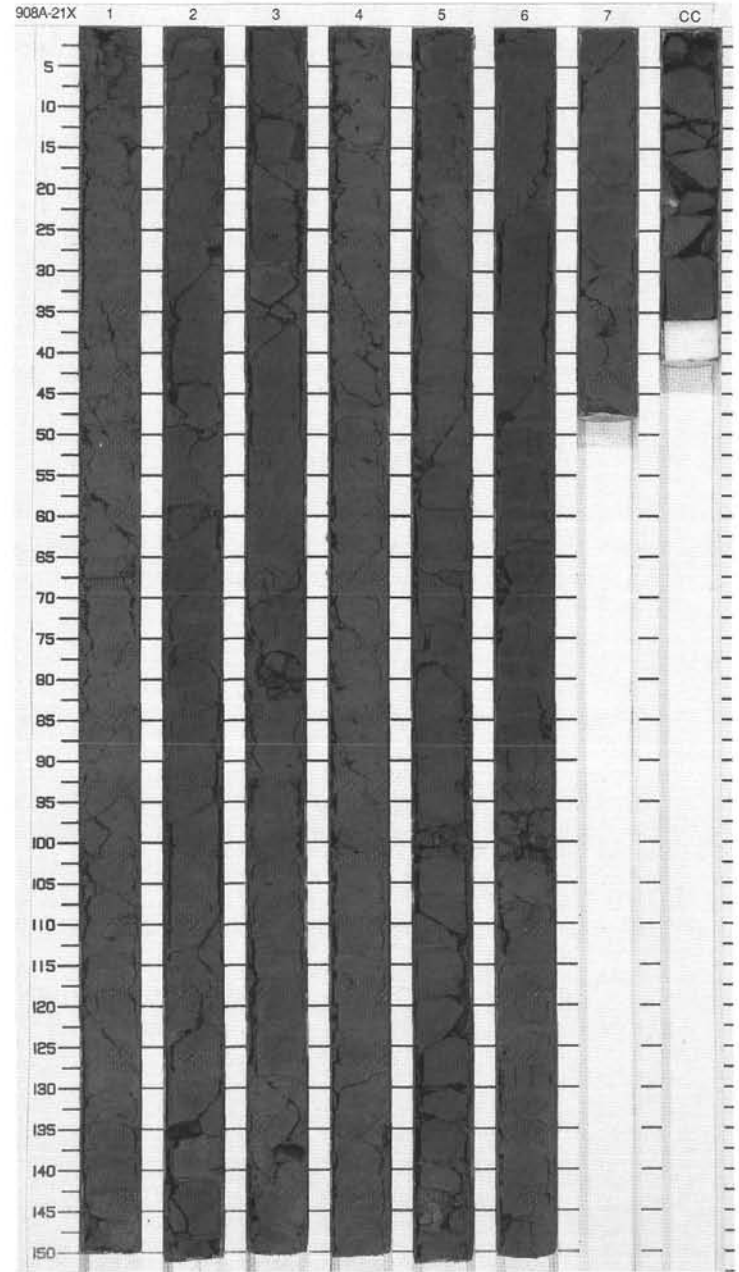




SITE 908 HOLE A CORE 21X

CORED 187.1 - 196.7 mbsf

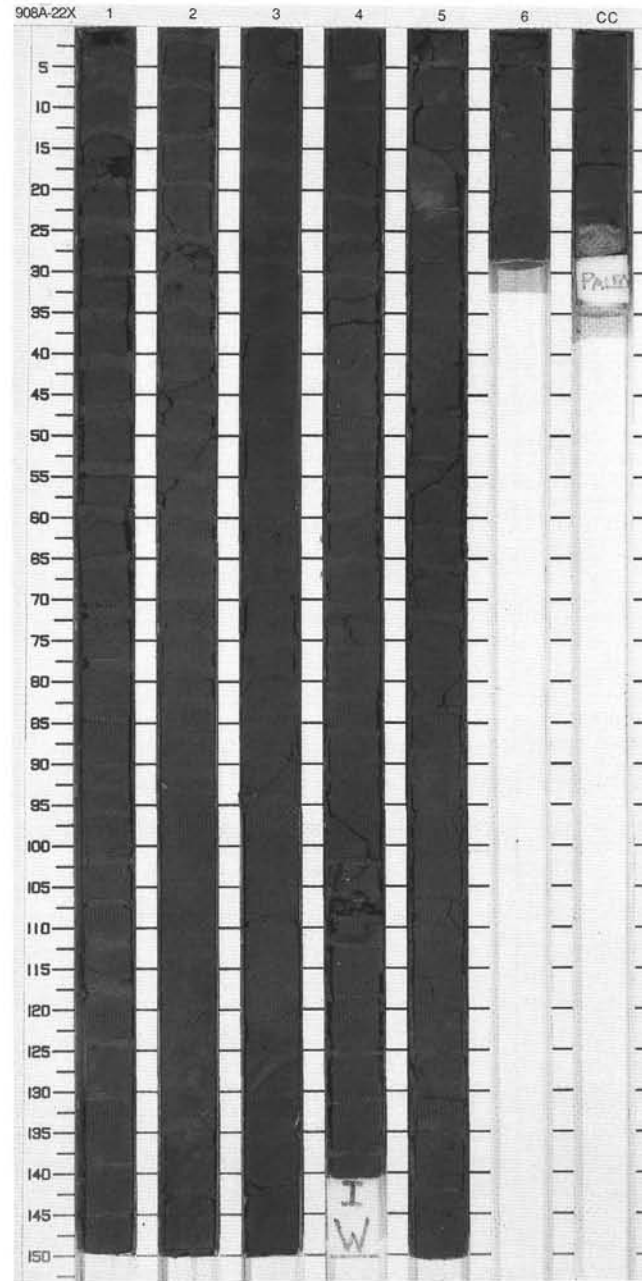
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	Oligocene-early Miocene	}}		S P	5Y 3/2	<p>DIATOM SILTY CLAY, DIATOM-BEARING SILTY CLAY and DIATOM-BEARING CLAY</p> <p>Major Lithologies:                      Homogeneous or slightly bioturbated DIATOM SILTY CLAY and DIATOM-BEARING SILTY CLAY, dark olive gray (5Y 3/2). Includes minor amounts of sponge spicules and volcanic glass (brown, green, and white shards).                      Homogeneous or slightly bioturbated DIATOM-BEARING CLAY, dark gray (5Y 4/1) is present in the interval from Section 4, 0 cm to Section 5, 40 cm.</p> <p>General Description:                      The clay is firm and had been moderately fractured (drilling biscuits) by drilling disturbance. The heavy drill disturbance made identification of primarily sediment structures difficult.</p>
2	[Pattern]	2		}}		S		
3	[Pattern]	3		}}		P		
4	[Pattern]	4		}}		S		
5	[Pattern]	5		}}		P		
6	[Pattern]	6		}}		S P		
7	[Pattern]	7		}}		P		
8	[Pattern]	8		}}		S P		
9	[Pattern]	9		}}		S P		
	[Pattern]	CC		}}		M		



## SITE 908 HOLE A CORE 22X

CORED 196.7 - 206.3 mbst

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1				S		<p>CLAY, BIOSILICA-BEARING SILTY CLAY, and SILTY CLAY</p> <p>Major Lithologies: CLAY, SILTY CLAY, and BIOSILICA-BEARING SILTY CLAY, dark gray (5Y 4/1) are firm and commonly disrupted into drilling biscuits. Faint, subhorizontal, wavy laminae are commonly disrupted by bioturbation. Coaly fragments, &lt;5 mm in diameter, are scattered throughout. Incipient concretions, pyritic(?) and &lt;1 cm in size, occur in Section 2, 32 cm; Section 3, 62-63 cm; Section CC, 15 cm. Silt- and sand-sized siliciclastic grains in BIOSILICA-BEARING SILTY CLAY and SILTY CLAY include quartz (10%-20%) and minor amounts of feldspar, volcanic glass, opaques, and inorganic calcite. Biogenic components are diatoms and sponge spicules.</p> <p>Minor Lithology: DETRITAL CARBONATE CLAY, pale olive (5Y 6/3), occurs in Section 5, 18-23 cm, and Section CC, 23-28 cm. In Section 5, it shows distorted laminae which may be a slump structure. Mm-size pods of DETRITAL CARBONATE CLAY are scattered through Sections 6 and CC. Clay-sized particles of rounded carbonate comprise 70%-80% of the carbonate clay, with the remaining components being clay, quartz, opaques, and accessory minerals.</p>
2		2		P		S		
3		3		P		P		
4		3		P		S	5Y 4/1	
5		4				S		
6		5		P		P		
7		5				S		
		6				S		
		6				S		
		CC		P		S M		



SITE 908 HOLE A CORE 23X

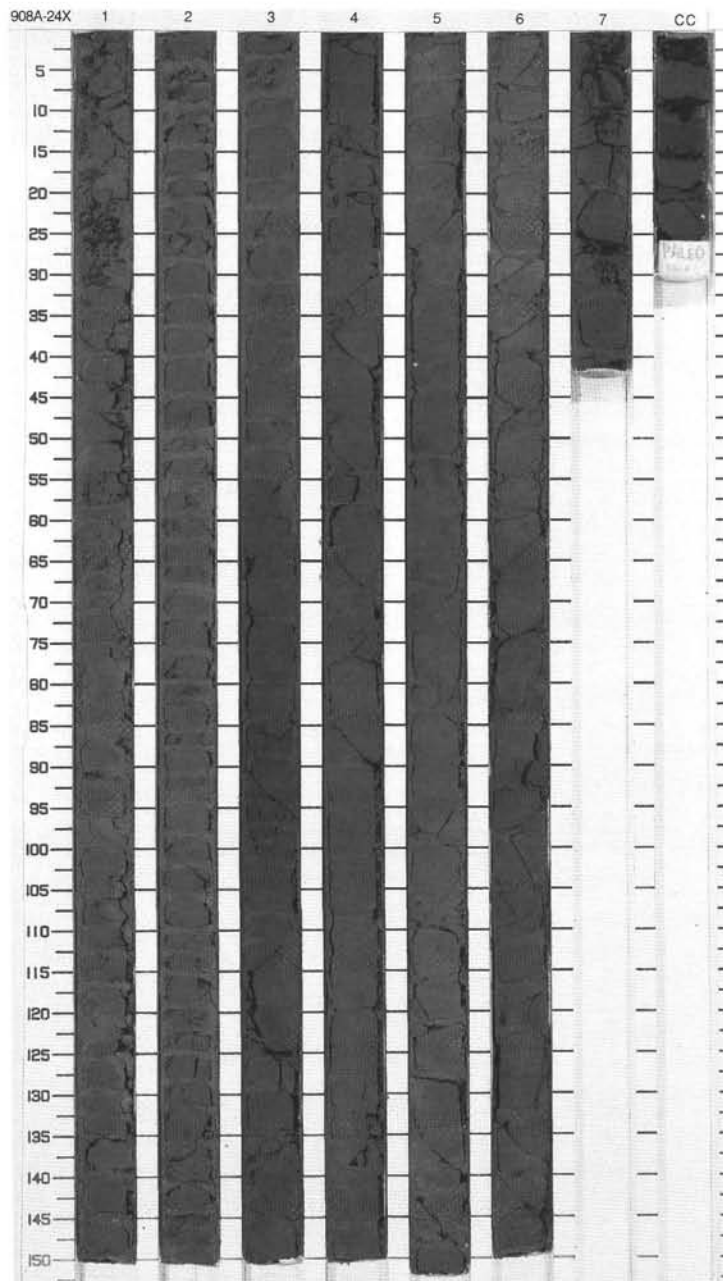
CORED 206.3 - 216.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		○	XX	S P		<p>SILTY CLAY, BIOSILICA-BEARING SILTY CLAY and BIOSILICEOUS SILTY CLAY</p> <p>Major Lithologies:                      Dark olive gray (5Y 3/2) SILTY CLAY from top of core to Section 3, 14 cm.                      Dark olive gray (5Y 3/2) BIOSILICA-BEARING SILTY CLAY from Section 3, 14 cm to Section 5, 100 cm, with faint laminations preserved. Laminae are obscured by bioturbation, including extensive horizontal burrowing, and found to bottom of core. Dark olive gray (5Y 3/2) BIOSILICEOUS SILTY CLAY from Section 5, 100 cm to bottom of core. Biosiliceous content increases from ~10% to 30% through core. Sediment formed into biscuits throughout core by drilling disturbance.</p>
2	[Hatched pattern]	2		⊕		P		
3	[Hatched pattern]	3				S P		
4	[Hatched pattern]	4				P		
5	[Hatched pattern]	5				S P	5Y 3/2	
6	[Hatched pattern]	6				P		
7	[Hatched pattern]	7				S P		
8	[Hatched pattern]	8				P		
9	[Hatched pattern]	9				S P		
10	[Hatched pattern]	10				P		
11	[Hatched pattern]	11				S P		
12	[Hatched pattern]	12				P		
13	[Hatched pattern]	13				S P		
14	[Hatched pattern]	14				P		
15	[Hatched pattern]	15				S P		
16	[Hatched pattern]	16				P		
17	[Hatched pattern]	17				S P		
18	[Hatched pattern]	18				P		
19	[Hatched pattern]	19				S P		
20	[Hatched pattern]	20				P		
21	[Hatched pattern]	21				S P		
22	[Hatched pattern]	22				P		
23	[Hatched pattern]	23				S P		
24	[Hatched pattern]	24				P		
25	[Hatched pattern]	25				S P		
26	[Hatched pattern]	26				P		
27	[Hatched pattern]	27				S P		
28	[Hatched pattern]	28				P		
29	[Hatched pattern]	29				S P		
30	[Hatched pattern]	30				P		
31	[Hatched pattern]	31				S P		
32	[Hatched pattern]	32				P		
33	[Hatched pattern]	33				S P		
34	[Hatched pattern]	34				P		
35	[Hatched pattern]	35				S P		
36	[Hatched pattern]	36				P		
37	[Hatched pattern]	37				S P		
38	[Hatched pattern]	38				P		
39	[Hatched pattern]	39				S P		
40	[Hatched pattern]	40				P		
41	[Hatched pattern]	41				S P		
42	[Hatched pattern]	42				P		
43	[Hatched pattern]	43				S P		
44	[Hatched pattern]	44				P		
45	[Hatched pattern]	45				S P		
46	[Hatched pattern]	46				P		
47	[Hatched pattern]	47				S P		
48	[Hatched pattern]	48				P		
49	[Hatched pattern]	49				S P		
50	[Hatched pattern]	50				P		
51	[Hatched pattern]	51				S P		
52	[Hatched pattern]	52				P		
53	[Hatched pattern]	53				S P		
54	[Hatched pattern]	54				P		
55	[Hatched pattern]	55				S P		
56	[Hatched pattern]	56				P		
57	[Hatched pattern]	57				S P		
58	[Hatched pattern]	58				P		
59	[Hatched pattern]	59				S P		
60	[Hatched pattern]	60				P		
61	[Hatched pattern]	61				S P		
62	[Hatched pattern]	62				P		
63	[Hatched pattern]	63				S P		
64	[Hatched pattern]	64				P		
65	[Hatched pattern]	65				S P		
66	[Hatched pattern]	66				P		
67	[Hatched pattern]	67				S P		
68	[Hatched pattern]	68				P		
69	[Hatched pattern]	69				S P		
70	[Hatched pattern]	70				P		
71	[Hatched pattern]	71				S P		
72	[Hatched pattern]	72				P		
73	[Hatched pattern]	73				S P		
74	[Hatched pattern]	74				P		
75	[Hatched pattern]	75				S P		
76	[Hatched pattern]	76				P		
77	[Hatched pattern]	77				S P		
78	[Hatched pattern]	78				P		
79	[Hatched pattern]	79				S P		
80	[Hatched pattern]	80				P		
81	[Hatched pattern]	81				S P		
82	[Hatched pattern]	82				P		
83	[Hatched pattern]	83				S P		
84	[Hatched pattern]	84				P		
85	[Hatched pattern]	85				S P		
86	[Hatched pattern]	86				P		
87	[Hatched pattern]	87				S P		
88	[Hatched pattern]	88				P		
89	[Hatched pattern]	89				S P		
90	[Hatched pattern]	90				P		
91	[Hatched pattern]	91				S P		
92	[Hatched pattern]	92				P		
93	[Hatched pattern]	93				S P		
94	[Hatched pattern]	94				P		
95	[Hatched pattern]	95				S P		
96	[Hatched pattern]	96				P		
97	[Hatched pattern]	97				S P		
98	[Hatched pattern]	98				P		
99	[Hatched pattern]	99				S P		
100	[Hatched pattern]	100				P		
101	[Hatched pattern]	101				S P		
102	[Hatched pattern]	102				P		
103	[Hatched pattern]	103				S P		
104	[Hatched pattern]	104				P		
105	[Hatched pattern]	105				S P		
106	[Hatched pattern]	106				P		
107	[Hatched pattern]	107				S P		
108	[Hatched pattern]	108				P		
109	[Hatched pattern]	109				S P		
110	[Hatched pattern]	110				P		
111	[Hatched pattern]	111				S P		
112	[Hatched pattern]	112				P		
113	[Hatched pattern]	113				S P		
114	[Hatched pattern]	114				P		
115	[Hatched pattern]	115				S P		
116	[Hatched pattern]	116				P		
117	[Hatched pattern]	117				S P		
118	[Hatched pattern]	118				P		
119	[Hatched pattern]	119				S P		
120	[Hatched pattern]	120				P		
121	[Hatched pattern]	121				S P		
122	[Hatched pattern]	122				P		
123	[Hatched pattern]	123				S P		
124	[Hatched pattern]	124				P		
125	[Hatched pattern]	125				S P		
126	[Hatched pattern]	126				P		
127	[Hatched pattern]	127				S P		
128	[Hatched pattern]	128				P		
129	[Hatched pattern]	129				S P		
130	[Hatched pattern]	130				P		
131	[Hatched pattern]	131				S P		
132	[Hatched pattern]	132				P		
133	[Hatched pattern]	133				S P		
134	[Hatched pattern]	134				P		
135	[Hatched pattern]	135				S P		
136	[Hatched pattern]	136				P		
137	[Hatched pattern]	137				S P		
138	[Hatched pattern]	138				P		
139	[Hatched pattern]	139				S P		
140	[Hatched pattern]	140				P		
141	[Hatched pattern]	141				S P		
142	[Hatched pattern]	142				P		
143	[Hatched pattern]	143				S P		
144	[Hatched pattern]	144				P		
145	[Hatched pattern]	145				S P		
146	[Hatched pattern]	146				P		
147	[Hatched pattern]	147				S P		
148	[Hatched pattern]	148				P		
149	[Hatched pattern]	149				S P		
150	[Hatched pattern]	150				P		
151	[Hatched pattern]	151				S P		
152	[Hatched pattern]	152				P		
153	[Hatched pattern]	153				S P		
154	[Hatched pattern]	154				P		
155	[Hatched pattern]	155				S P		
156	[Hatched pattern]	156				P		
157	[Hatched pattern]	157				S P		
158	[Hatched pattern]	158				P		
159	[Hatched pattern]	159				S P		
160	[Hatched pattern]	160				P		
161	[Hatched pattern]	161				S P		
162	[Hatched pattern]	162				P		
163	[Hatched pattern]	163				S P		
164	[Hatched pattern]	164				P		
165	[Hatched pattern]	165				S P		
166	[Hatched pattern]	166				P		
167	[Hatched pattern]	167				S P		
168	[Hatched pattern]	168				P		
169	[Hatched pattern]	169				S P		
170	[Hatched pattern]	170				P		
171	[Hatched pattern]	171				S P		
172	[Hatched pattern]	172				P		
173	[Hatched pattern]	173				S P		
174	[Hatched pattern]	174				P		
175	[Hatched pattern]	175				S P		
176	[Hatched pattern]	176				P		
177	[Hatched pattern]	177				S P		
178	[Hatched pattern]	178				P		
179	[Hatched pattern]	179				S P		
180	[Hatched pattern]	180				P		
181	[Hatched pattern]	181				S P		
182	[Hatched pattern]	182				P		
183	[Hatched pattern]	183				S P		
184	[Hatched pattern]	184				P		
185	[Hatched pattern]	185				S P		
186	[Hatched pattern]	186				P		
187	[Hatched pattern]	187				S P		
188	[Hatched pattern]	188				P		
189	[Hatched pattern]	189				S P		
190	[Hatched pattern]	190				P		
191	[Hatched pattern]	191				S P		
192	[Hatched pattern]	192				P		
193	[Hatched pattern]	193				S P		
194	[Hatched pattern]	194				P		
195	[Hatched pattern]	195				S P		
196	[Hatched pattern]	196				P		
197	[Hatched pattern]	197				S P		
198	[Hatched pattern]	198				P		
199	[Hatched pattern]	199				S P		
200	[Hatched pattern]	200				P		
201	[Hatched pattern]	201						

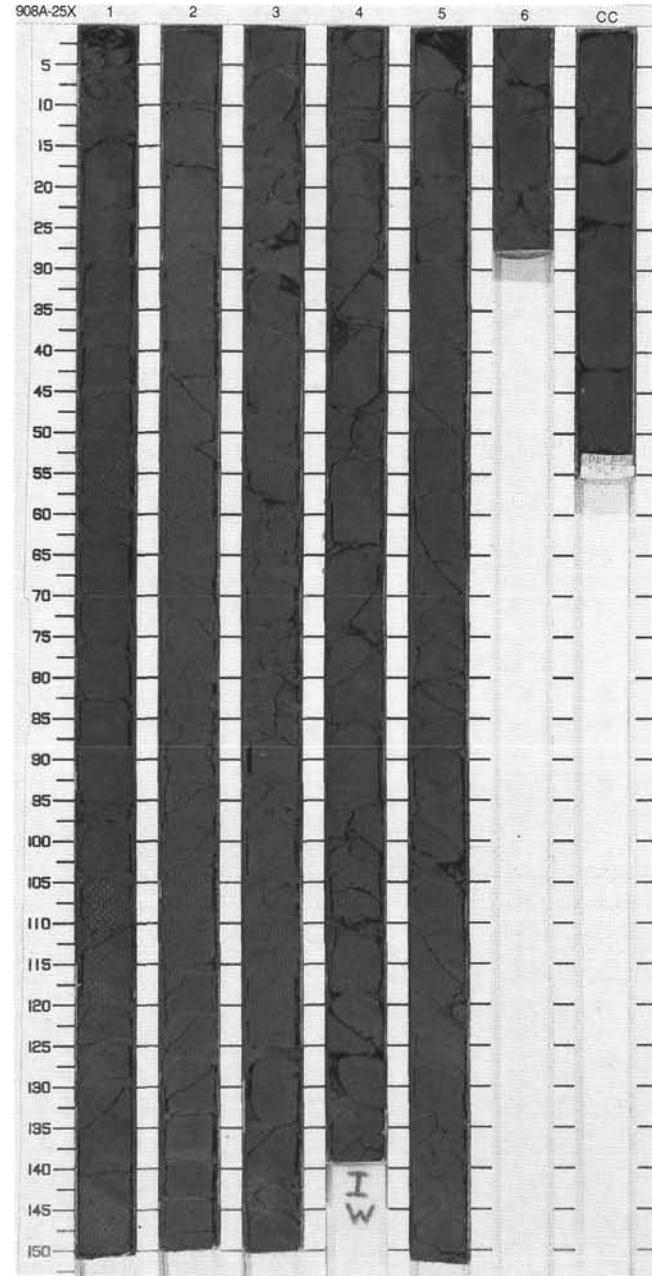
## SITE 908 HOLE A CORE 24X

CORED 216.0 - 225.6 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1	P	W	P		BIOSILICA-BEARING SILTY CLAY, BIOSILICEOUS SILTY CLAY and SILTY CLAY
2		2			S		Major Lithologies: BIOSILICA-BEARING SILTY CLAY, BIOSILICEOUS SILTY CLAY and SILTY CLAY, dark grayish brown (2.5Y 4/2) to olive gray (5Y 4/2), are firm and commonly disrupted into drilling biscuits. Faint, subhorizontal laminae with small burrows (Chondrites and Planolites?) beginning in Section 3. Dominant biogenic components are diatoms (6%–20%) and sponge spicules (1%–8%). Small molluscan fragments (length: 5–10 mm; 2–3 mm Ø, tubular shape) are present in Sections 4, 5, and 6. Pyrite grains are sparsely scattered in Section 1.
3		3			S	5Y 4/2	
4		4			P		General Description: Small sand patches in Section 4, 88–89 cm, contain fragmented echinoid spines, large spicules, molluscan shells, benthic forams, and diatoms.
5		4			S		
6		5			P		
7		5			S	2.5Y 4/2	
8		6			P		
9		7			P		
		CC			M		

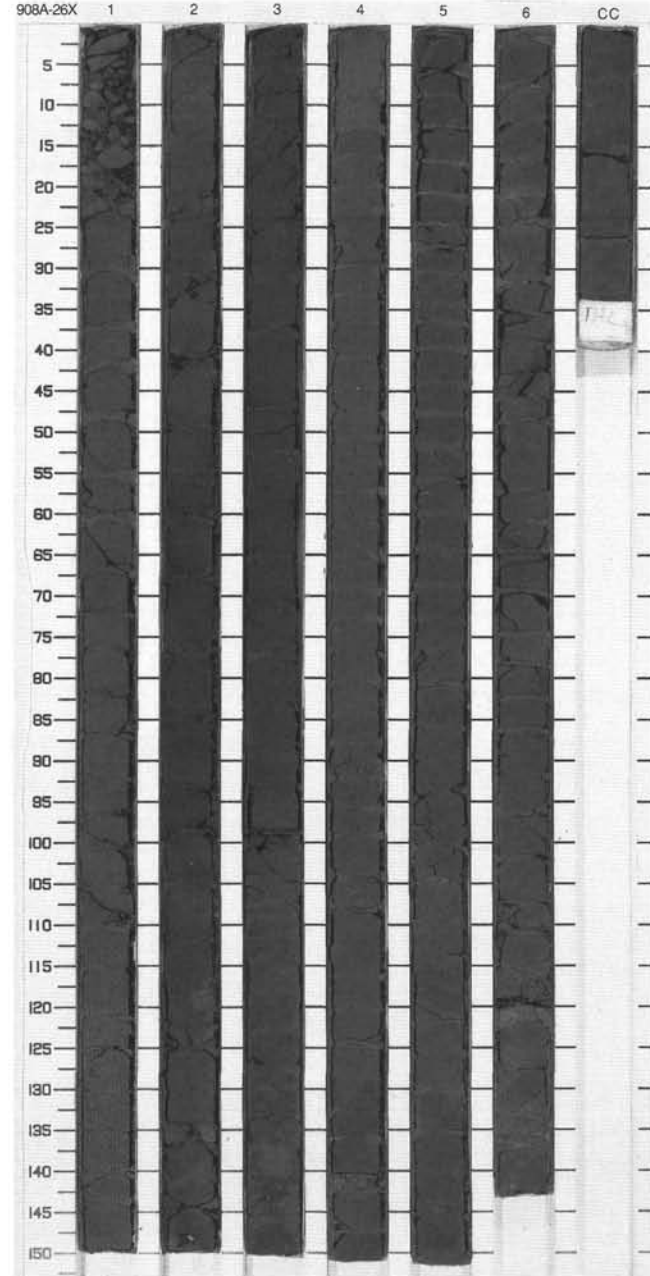


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Oligocene	~	W	S	5Y 3/2	<p>BIOSILICEOUS-BEARING SILTY CLAY and BIOSILICEOUS SILTY CLAY</p> <p>Major Lithologies: BIOSILICEOUS-BEARING SILTY CLAY and BIOSILICEOUS-BEARING SILTY CLAY, dark gray (5Y 4/1) and dark olive gray (5Y 3/2), with small and gradational size variations. Bioturbation within the core is seen as mottles of olive gray (5Y 4/2).</p> <p>Minor Lithologies: CARBONATE-BEARING BIOSILICEOUS SILTY MUD, dark olive gray (5Y 3/2) is present in Section 1, 96-98 cm. This layer has more clay-sized carbonate grains than the other silty mud layers. BIOSILICEOUS SILTY MUD, dark olive gray (5Y 3/2) and dark gray (5Y 4/1) is present in 1-5 cm-thick layers. Both upper and lower contacts are gradational. Their location is shown in the structure column.</p> <p>General Description: Subtle grain size and color variations characterize this core. Small pyrite crystals (&lt;0.5 mm) and spicules (sponge and echinoderm) are present. Shell fragments (&gt;1 cm in length), were seen in Section 4, 106 cm, and Section 6, 5 cm.</p>
1		1		~		S P		
2		2		~		S		
2		2		~		S		
3		3		~		P		
3		3		~		S		
4		4		~		P		
4		4		~		P		
5		5	~		P			
5		5	~		P			
6		6	~		I			
6		6	~		P			
7		7	~		S			
7		7	~		S			
8		8	~		P			
8		8	~		M			



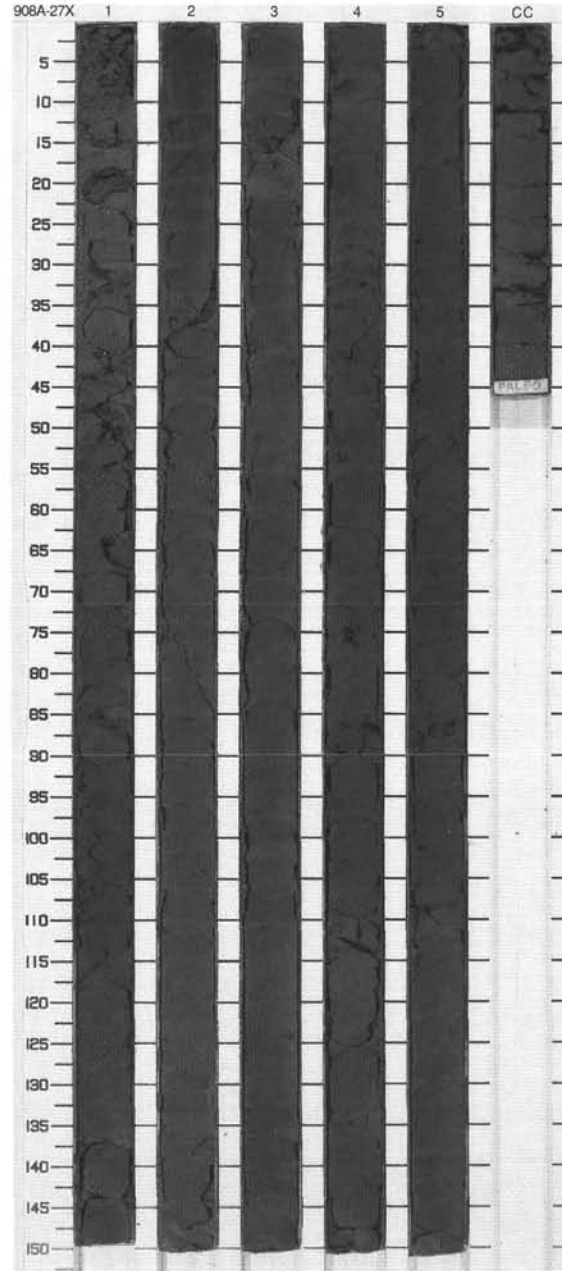
SITE 908 HOLE A CORE 26X CORED 235.2 - 244.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Symbol]	1	late Oligocene	[Symbol]	W	S	5Y 3/2	<p><b>BIOSILICEOUS SILTY CLAY</b></p> <p>Major Lithology: BIOSILICEOUS SILTY CLAY, dark olive gray (5Y 3/2), laminated (&lt;2 mm thick); color of laminae slightly more brownish. Slight to moderately bioturbated; from Section 6, 20 cm to base of core heavily bioturbated. Entire core moderately disturbed (biscuits).</p> <p>Minor Lithologies: BIOSILICA-BEARING SILTY MUD, dark olive gray (5Y 3/2), present from Section 3, 140 cm to Section 4, 10 cm. DETRITAL CARBONATE-BEARING SILTY CLAY, dark olive gray (5Y 3/2), present in Section 2, 0-15 cm.</p> <p>General Description: Shell fragments ( 1 cm) occur at Section 2, 148 cm and Section 5, 57 cm and Section 6, 20 and 144 cm. Pyrite concretions ( 1 cm) are present at Section 2, 110 and 140 cm, throughout with slightly larger ones at Section 3, 142 cm, Section CC, 10 and 25 cm, and at Section 4, 108 cm where pyrite replaces shell fragment. Diatoms and sponge spicules are abundant; radiolarians, nannofossils, and silicoflagellates are rare.</p>
2	[Symbol]	2		[Symbol]	S	P		
3	[Symbol]	3		[Symbol]	S	P		
4	[Symbol]	4		[Symbol]	S	P		
5	[Symbol]	5		[Symbol]	S	P		
6	[Symbol]	6		[Symbol]	S	P		
7	[Symbol]	7		[Symbol]	S	P		
8	[Symbol]	8		[Symbol]	S	P		
9	[Symbol]	9		[Symbol]	S	P		
		CC		[Symbol]		M	5Y 3/1	





Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	late Oligocene	[Wavy]	W	S	5Y 3/2	<p><b>BIOSILICA-BEARING SILTY CLAY</b></p> <p>Major Lithology: Dark gray (5Y 3/2), firm, BIOSILICA-BEARING SILTY CLAY. Contains 70% clay, 30% silt, and almost no sand. Silt-sized fraction dominated by quartz grains, minor feldspar, glauconite, and opaques locally. Biogenic particles constitute from 12% to 26% of the total sediment, including diatoms, sponge spicules, and calcareous nannofossils, in descending order of abundance.</p> <p>Minor Lithologies: Dark olive gray (5Y 3/2), CARBONATE SANDY MUD, dominated by inorganic calcite sand and silt. BIOSILICEOUS SILTY MUD, dark olive gray (5Y 3/2) contains 25% siliceous microfossils, including 18% diatom fragments and frustules. It is characterized by a substantial (22%) quartz sand component.</p> <p>General Description: Drilling disturbance is severe at the top of Section 1 and in Section CC. Throughout the core, relatively undisturbed sediments are present in the form of 2- to 7-cm drilling biscuits. Carbonate is disseminated throughout Sections 4 and 5.</p>
2	[Pattern]	2				S		
3	[Pattern]	3				S		
4	[Pattern]	4				P		
5	[Pattern]	5				S		
6	[Pattern]	6				C		
7	[Pattern]	7				C		
		CC	C	W	M			

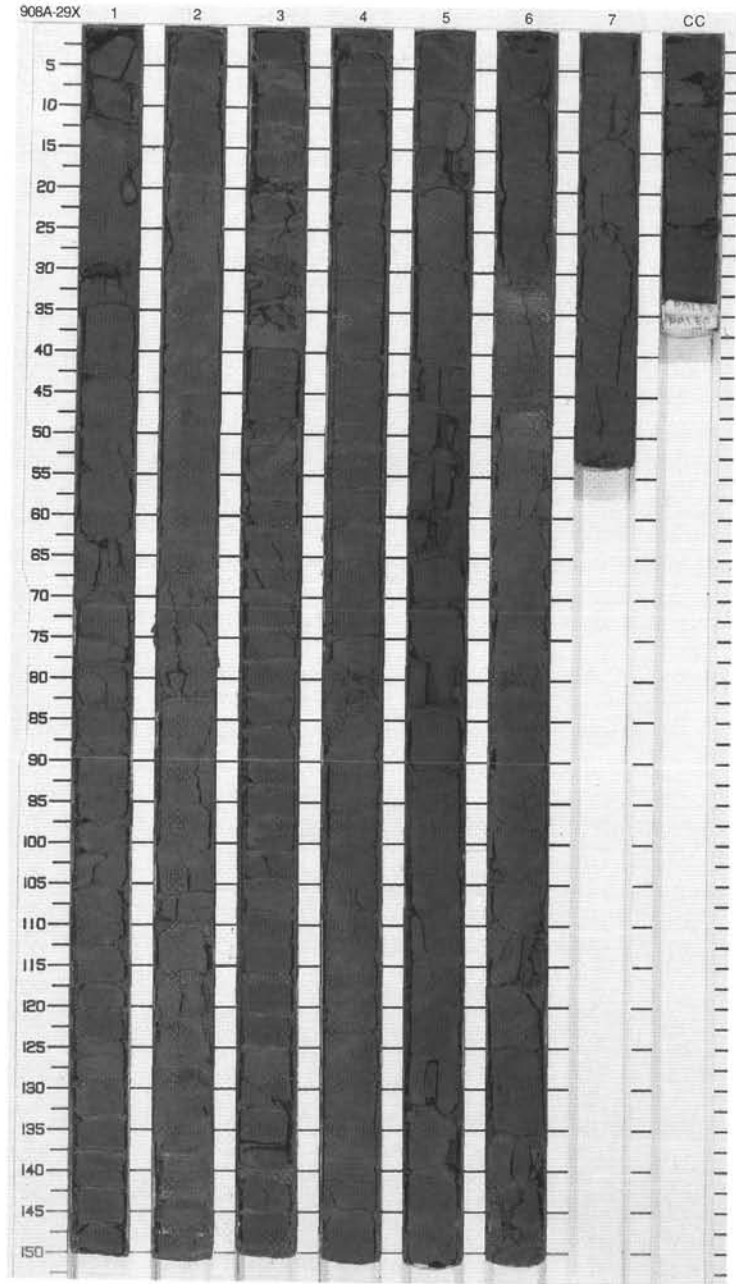




SITE 908 HOLE A CORE 29X

CORED 264.2 - 273.9 mbsf

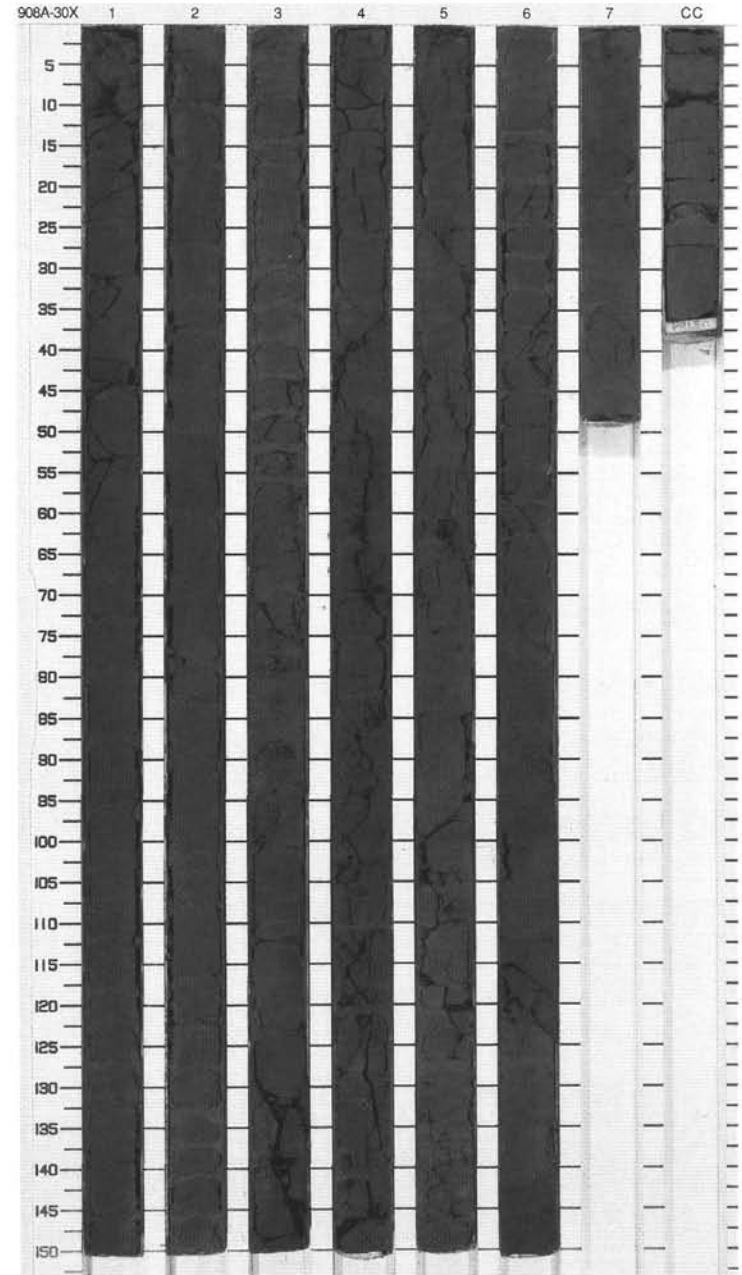
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched]	1	late Oligocene	}		S	5Y 3/2 To 5Y 4/1	<p>SILTY CLAY, BIOSILICA-BEARING SILTY CLAY</p> <p>Major Lithology: SILTY CLAY and BIOSILICA-BEARING SILTY CLAY, are either very dark grayish brown (5Y 3/2) or dark gray (5Y4/1). The former are fairly homogeneous. The latter, more clayey, showing some distinct burrows in light shade, a few pyritized burrows, and a more pervasive 'laminae-like structure' (<i>Planolites?</i>) with very thin discontinuous to continuous color banding. Such a structure is better expressed within Sections 3 and 4. Biosilica content up to 11%.</p> <p>Minor Lithology: Section 6, 25-48 cm: coarse turbidite layer, scoured lower contact, progressive upper contact, planar and cross laminae. Granules, shell fragments, very coarse quartz are found at its base and within the coarsest laminae, while detriticarbonate is the dominant matrix constituent.</p>
2	[Hatched]	2				S		
3	[Hatched]	3				P		
4	[Hatched]	4				S		
5	[Hatched]	5				P		
6	[Hatched]	6				S		
7	[Hatched]	7				P		
8	[Hatched]	8				S		
9	[Hatched]	9				P		
CC	[Hatched]	CC				M		



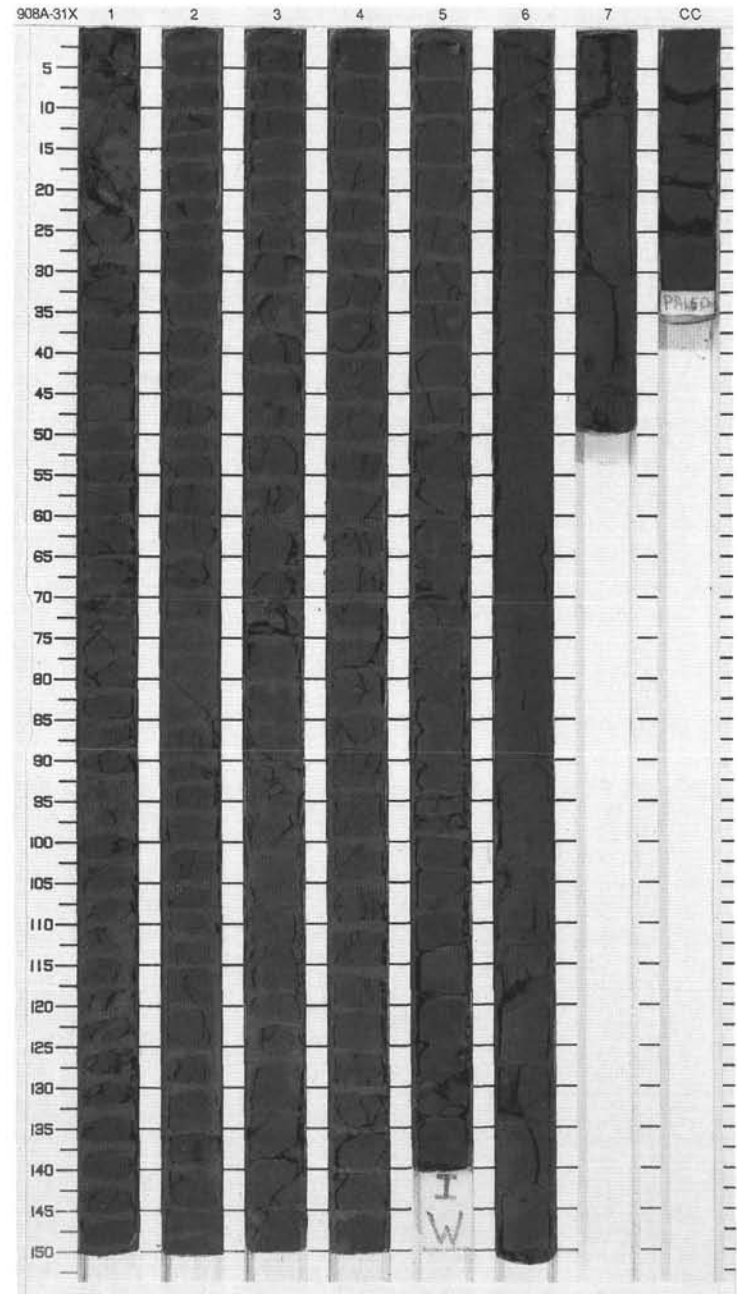
## SITE 908 HOLE A CORE 30X

CORED 273.9 - 283.5 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1	~		S		<p>BIOSILICEOUS SILTY CLAY, BIOSILICA-BEARING SILTY CLAY, SILTY CLAY and CLAY</p> <p>Major Lithologies:            BIOSILICEOUS SILTY CLAY, very dark grayish brown (2.5Y 3/2), faintly laminated, some intervals slightly bioturbated. The clay is firm and disrupted into drilling biscuits in many parts of the core. In Sections 1 and 2, the biosilica content is almost 50%, in Sections 3, 4, and 5 only 35%–40%. Burrows cemented by pyrite are common in this lithology. BIOSILICA-BEARING SILTY CLAY and SILTY CLAY, very dark grayish brown (2.5Y 3/2) or dark olive gray (5Y 3/2) are present in the intervals, Section 6, 78 cm to bottom of core catcher and Section 2, 128 cm to Section 3, 100 cm, respectively. Slightly bioturbated lamination is common in some intervals. The biosilica content ranges from 5%–15%. Moderately bioturbated CLAY, alternating very dark gray (5Y 3/1) and dark olive gray (5Y 3/2), is present from Section 5, 85 cm to Section 6, 78 cm.</p> <p>Minor Lithology:            NANNOFOSSIL-BEARING BIOSILICEOUS SILTY CLAY, dark olive gray (5Y 3/2), is present in Section 5, 40–85 cm. Contains about 40% biosilica and 10% nannofossils.</p>
2		2	~		P	2.5Y 3/2	
3		3	~		S	5Y 3/2	
4		3	~		P		
5		4	~		S P	2.5Y 3/2	
6		4	~		P		
7		5	~		S	5Y 3/2	
8		5	~		P	5Y 3/1	
9		6	~		S P	5Y 3/2	
10		6	~		S	2.5Y 3/2	
11		7	~		S	2.5Y 3/2	
12		7	~		P	5Y 3/2	
13		CC			M		

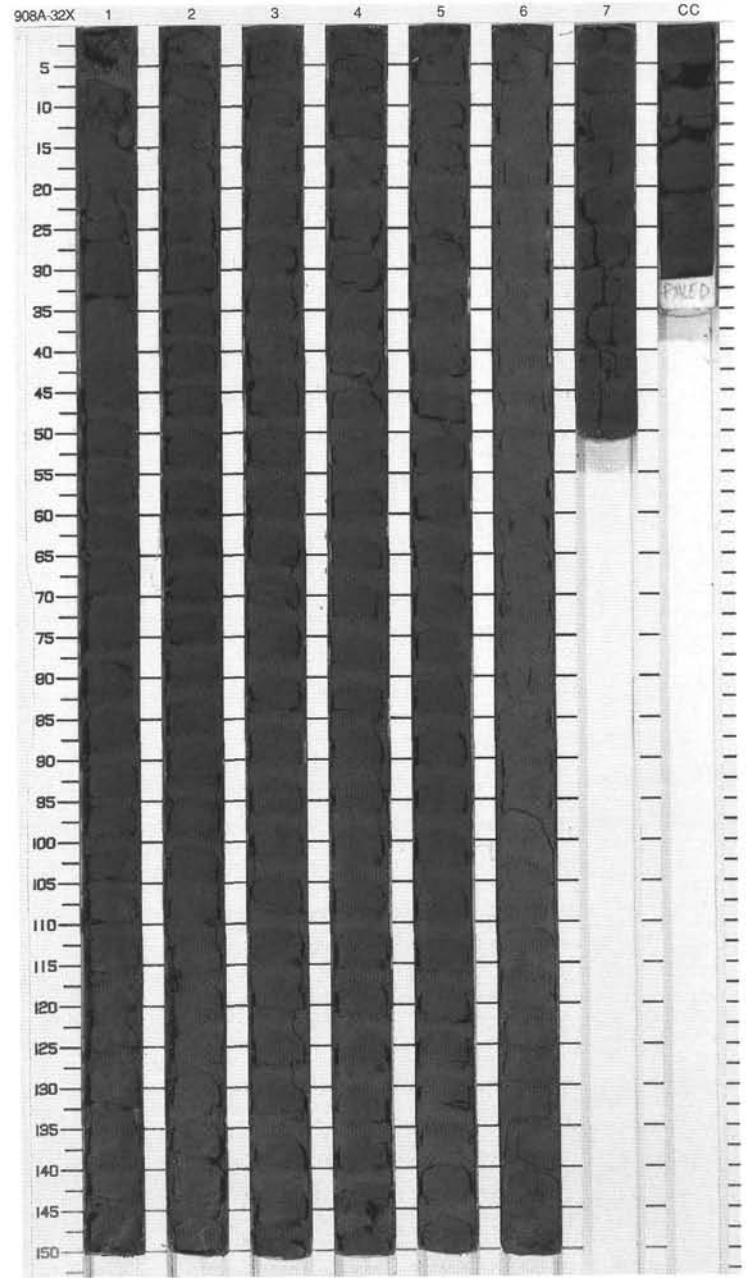


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	late Oligocene	[Structure]	[Disturb]	S	5Y 3/1	<p>CLAY, BIOSILICA-BEARING CLAYEY SILT and BIOSILICA-BEARING SILTY MUD</p> <p>Major Lithologies:                      CLAY, very dark gray (5Y 3/1), in Sections 1 and 2 is homogeneous but locally mottled due to bioturbation.                      CLAY, dark gray (5Y 4/1), in Sections 3 to 5 contains olive (5Y 5/3, 5Y 4/3) lenses and pods, distorted by bioturbation. Laminae, low-angle and horizontal, are present in Section 5, 74-117 cm. Both CLAY types contain mm-sized, black (5Y 2.5/1) pods, possibly coaly. Silt-sized grains include quartz (10%-15%) and minor/trace amounts of feldspar, accessory minerals, opaques, and glauconite.                      BIOSILICA-BEARING CLAYEY SILT and BIOSILICA-BEARING SILTY MUD, dark grayish brown (2.5Y 3/2), occur in Sections 6 to CC and are homogeneous, showing faint mottling due to bioturbation. Silt- and sand-sized siliciclastic grains include quartz and feldspar (20%-40%) and minor amounts of glauconite and opaques. Section 6, 127-136 cm, shows very dark gray mottling due to abundant (30%) opaques (pyrite?). Biogenic components include diatoms (20%) and sponge spicules (2%).</p>
2	[Pattern]	2						
3	[Pattern]	3						
4	[Pattern]	4						
5	[Pattern]	5						
6	[Pattern]	6						
7	[Pattern]	7						
8	[Pattern]	6						
9	[Pattern]	7						
	[Pattern]	CC				M	2.5Y 3/2	<p>Minor Lithologies:                      CLAY-BEARING NANNOFOSSIL OOZE and CARBONATE CLAY, olive, occurs as discontinuous lenses and burrows, mm-scale in size, in CLAY. Clay-sized carbonate grains and nannofossils are the major components (60%-80%).</p> <p>General Description:                      The entire core is firm and disrupted into drilling biscuits. A pyrite concretion was noted in Section 5, 106-108 cm.</p>



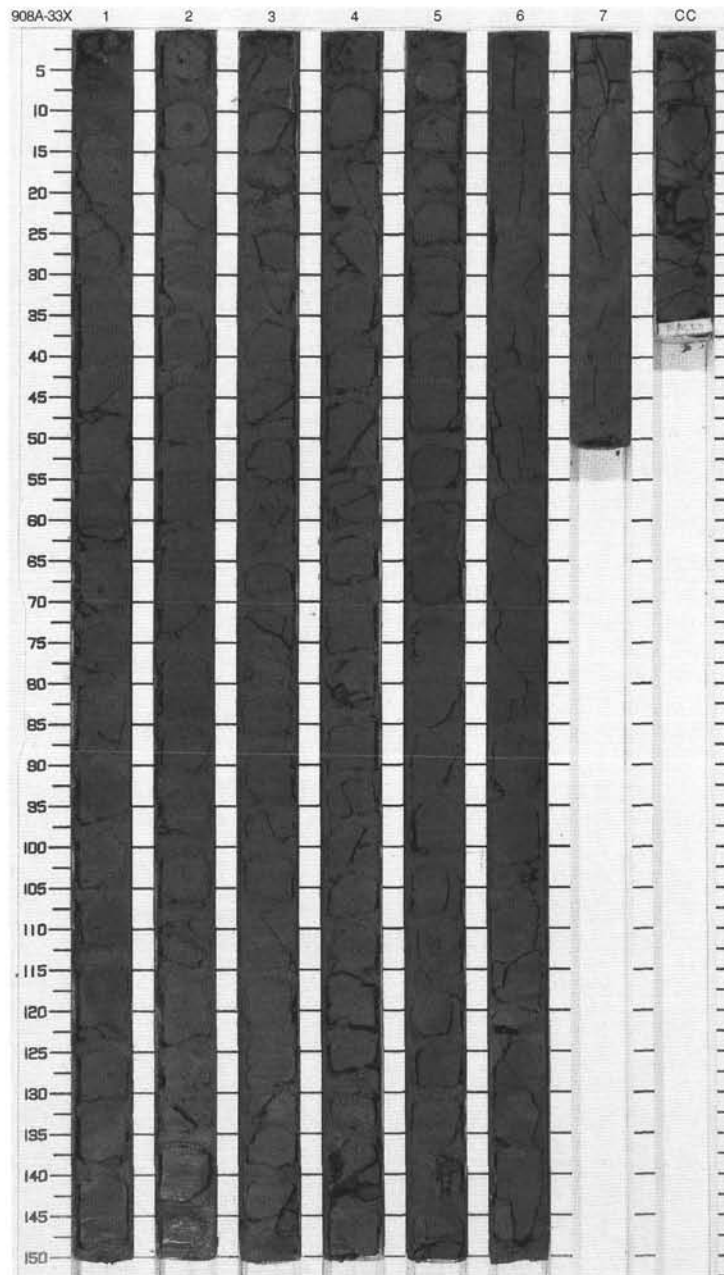
SITE 908 HOLE A CORE 32X CORED 293.2 - 302.8 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	~	X	P		<p>BIOSILICEOUS CLAY, BIOSILICEOUS SILTY CLAY and NANNOFOSSIL-BEARING BIOSILICEOUS CLAY</p> <p>Major Lithologies:                      Section 1 is largely composed of very dark gray (10YR 2/2) BIOSILICEOUS CLAY, from top of core to Section 1, 125 cm, from Section 3, 125 cm to Section 5, 110 cm, and from Section 6, 132 cm to the bottom of the core. Very dark gray (10YR 2/2) BIOSILICEOUS SILTY CLAY occurs from Section 1, 125 cm to Section 3, 125 cm. Olive gray (5Y 4/2) NANNOFOSSIL-BEARING BIOSILICEOUS CLAY occurs from Section 5, 110 cm to Section 6, 132 cm.</p> <p>General Description:                      Lithologic subdivisions of the core are based primarily on smear slide analysis. The only visibly distinct unit is the NANNOFOSSIL-BEARING BIOSILICEOUS CLAY. Faint thin laminations occur throughout core, obscured by slight bioturbation.</p>
2	[Pattern]	2	~		P		
3	[Pattern]	3	~		S	10YR 2/2	
4	[Pattern]	3	~		P		
5	[Pattern]	3	~		S		
6	[Pattern]	3	~		P		
7	[Pattern]	3	~		S		
8	[Pattern]	3	~		P		
9	[Pattern]	3	~		S		
10	[Pattern]	3	~		P		
11	[Pattern]	3	~		S		
12	[Pattern]	3	~		P		
13	[Pattern]	3	~		S		
14	[Pattern]	3	~		P		
15	[Pattern]	3	~		S		
16	[Pattern]	3	~		P		
17	[Pattern]	3	~		S		
18	[Pattern]	3	~		P		
19	[Pattern]	3	~		S		
20	[Pattern]	3	~		P		
21	[Pattern]	3	~		S		
22	[Pattern]	3	~		P		
23	[Pattern]	3	~		S		
24	[Pattern]	3	~		P		
25	[Pattern]	3	~		S		
26	[Pattern]	3	~		P		
27	[Pattern]	3	~		S		
28	[Pattern]	3	~		P		
29	[Pattern]	3	~		S		
30	[Pattern]	3	~		P		
31	[Pattern]	3	~		S		
32	[Pattern]	3	~		P		
33	[Pattern]	3	~		S		
34	[Pattern]	3	~		P		
35	[Pattern]	3	~		S		
36	[Pattern]	3	~		P		
37	[Pattern]	3	~		S		
38	[Pattern]	3	~		P		
39	[Pattern]	3	~		S		
40	[Pattern]	3	~		P		
41	[Pattern]	3	~		S		
42	[Pattern]	3	~		P		
43	[Pattern]	3	~		S		
44	[Pattern]	3	~		P		
45	[Pattern]	3	~		S		
46	[Pattern]	3	~		P		
47	[Pattern]	3	~		S		
48	[Pattern]	3	~		P		
49	[Pattern]	3	~		S		
50	[Pattern]	3	~		P		
51	[Pattern]	3	~		S		
52	[Pattern]	3	~		P		
53	[Pattern]	3	~		S		
54	[Pattern]	3	~		P		
55	[Pattern]	3	~		S		
56	[Pattern]	3	~		P		
57	[Pattern]	3	~		S		
58	[Pattern]	3	~		P		
59	[Pattern]	3	~		S		
60	[Pattern]	3	~		P		
61	[Pattern]	3	~		S		
62	[Pattern]	3	~		P		
63	[Pattern]	3	~		S		
64	[Pattern]	3	~		P		
65	[Pattern]	3	~		S		
66	[Pattern]	3	~		P		
67	[Pattern]	3	~		S		
68	[Pattern]	3	~		P		
69	[Pattern]	3	~		S		
70	[Pattern]	3	~		P		
71	[Pattern]	3	~		S		
72	[Pattern]	3	~		P		
73	[Pattern]	3	~		S		
74	[Pattern]	3	~		P		
75	[Pattern]	3	~		S		
76	[Pattern]	3	~		P		
77	[Pattern]	3	~		S		
78	[Pattern]	3	~		P		
79	[Pattern]	3	~		S		
80	[Pattern]	3	~		P		
81	[Pattern]	3	~		S		
82	[Pattern]	3	~		P		
83	[Pattern]	3	~		S		
84	[Pattern]	3	~		P		
85	[Pattern]	3	~		S		
86	[Pattern]	3	~		P		
87	[Pattern]	3	~		S		
88	[Pattern]	3	~		P		
89	[Pattern]	3	~		S		
90	[Pattern]	3	~		P		
91	[Pattern]	3	~		S		
92	[Pattern]	3	~		P		
93	[Pattern]	3	~		S		
94	[Pattern]	3	~		P		
95	[Pattern]	3	~		S		
96	[Pattern]	3	~		P		
97	[Pattern]	3	~		S		
98	[Pattern]	3	~		P		
99	[Pattern]	3	~		S		
100	[Pattern]	3	~		P		
101	[Pattern]	3	~		S		
102	[Pattern]	3	~		P		
103	[Pattern]	3	~		S		
104	[Pattern]	3	~		P		
105	[Pattern]	3	~		S		
106	[Pattern]	3	~		P		
107	[Pattern]	3	~		S		
108	[Pattern]	3	~		P		
109	[Pattern]	3	~		S		
110	[Pattern]	3	~		P		
111	[Pattern]	3	~		S		
112	[Pattern]	3	~		P		
113	[Pattern]	3	~		S		
114	[Pattern]	3	~		P		
115	[Pattern]	3	~		S		
116	[Pattern]	3	~		P		
117	[Pattern]	3	~		S		
118	[Pattern]	3	~		P		
119	[Pattern]	3	~		S		
120	[Pattern]	3	~		P		
121	[Pattern]	3	~		S		
122	[Pattern]	3	~		P		
123	[Pattern]	3	~		S		
124	[Pattern]	3	~		P		
125	[Pattern]	3	~		S		
126	[Pattern]	3	~		P		
127	[Pattern]	3	~		S		
128	[Pattern]	3	~		P		
129	[Pattern]	3	~		S		
130	[Pattern]	3	~		P		
131	[Pattern]	3	~		S		
132	[Pattern]	3	~		P		
133	[Pattern]	3	~		S		
134	[Pattern]	3	~		P		
135	[Pattern]	3	~		S		
136	[Pattern]	3	~		P		
137	[Pattern]	3	~		S		
138	[Pattern]	3	~		P		
139	[Pattern]	3	~		S		
140	[Pattern]	3	~		P		
141	[Pattern]	3	~		S		
142	[Pattern]	3	~		P		
143	[Pattern]	3	~		S		
144	[Pattern]	3	~		P		
145	[Pattern]	3	~		S		
146	[Pattern]	3	~		P		
147	[Pattern]	3	~		S		
148	[Pattern]	3	~		P		
149	[Pattern]	3	~		S		
150	[Pattern]	3	~		P		
		CC			M	10YR 2/2	



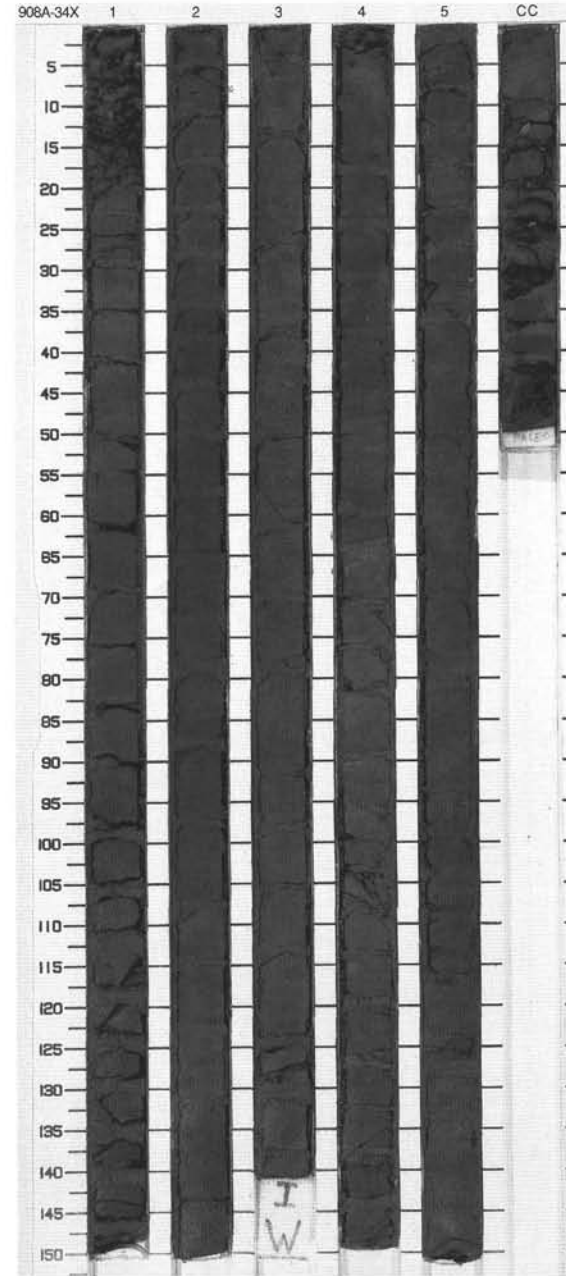


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Lithology]	1		}}	X	S		<p>BIOSILICEOUS SILTY CLAY, BIOSILICA-BEARING SILTY CLAY</p> <p>Major Lithology: BIOSILICEOUS SILTY CLAY and BIOSILICA-BEARING SILTY CLAY, dominantly dark olive gray (5Y 4/2) are homogeneous except faint change in bioturbation: pervasive very fine, mm-scale bioturbation, only observed on wet surface, larger dark burrows in Sections 1 and 7. Pyrite grains are scattered or concentrated within lenticular pockets. Diatoms range from 10%-40%. Minor nannofossils are present throughout.</p> <p>General Description: Section 6, 100-145 cm, several color patches, dark gray (5Y 4/1) and very dark gray (5Y 3/1) mimic elongated soft mud clasts, 1-2 cm thick, dispersed in a very dark grayish brown (2.5Y 3/2) matrix. A similar but indistinct feature occurs in Section 3, 130 cm. As smear slides show only slight difference between matrix and "mud clasts", the latter are interpreted to be diagenetic features associated with large burrows.</p> <p>Carbonate concretion Section 5, 10 cm, 0.8 cm Ø.</p>
2	[Lithology]	2		}}		P		
3	[Lithology]	3		}}		S		
4	[Lithology]	4		}}		P		
5	[Lithology]	5		}}		S		
6	[Lithology]	6		}}		P		
7	[Lithology]	7		}}		S		
CC	[Lithology]	CC		}}		M		
							5Y 3/2	
							5Y 3/2 To 5Y 4/1	
							5Y 3/2	



SITE 908 HOLE A CORE 34X CORED 312.5 - 320.2 mbsf

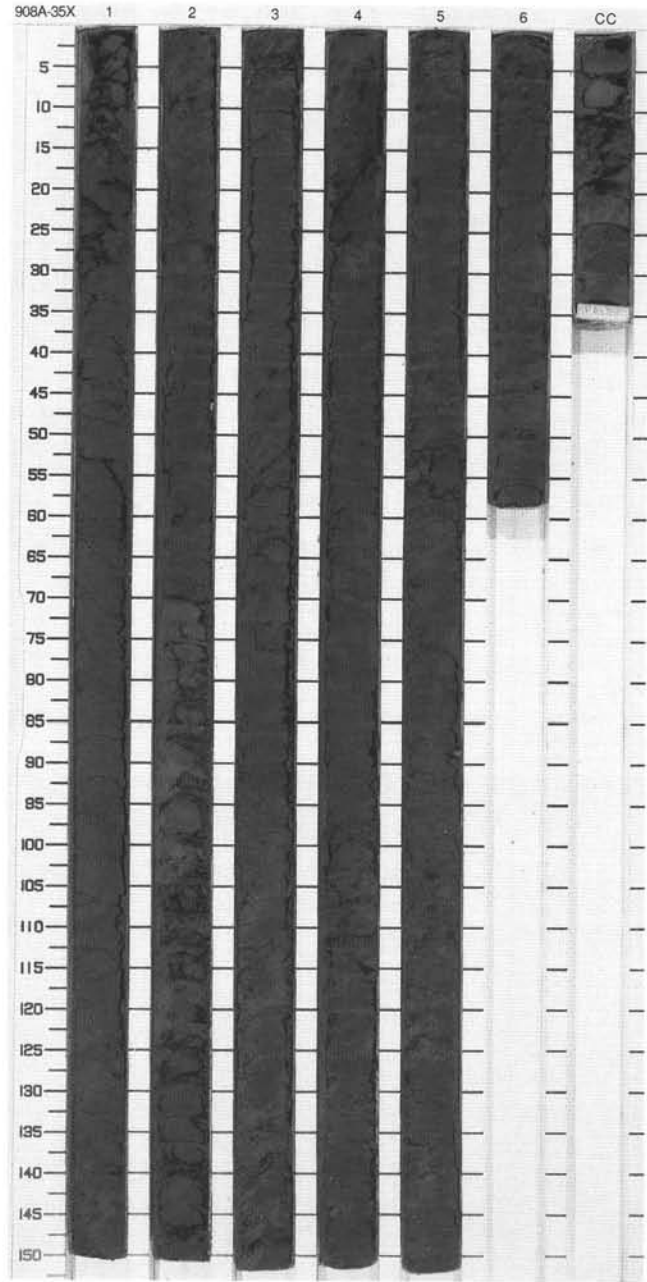
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Symbol]	1	late Oligocene	[Symbol]	W	S	5Y 3/2	BIOSILICA-BEARING CLAYEY MUD, BIOSILICA-BEARING SILTY CLAY and BIOSILICEOUS SILTY CLAY  Major Lithologies: Dark olive gray (5Y 3/2) BIOSILICA-BEARING CLAYEY MUD, BIOSILICA-BEARING SILTY CLAY, and BIOSILICEOUS SILTY CLAY. Lithologies are distinguished based on biosilica content, which is as much as 40% in the BIOSILICEOUS SILTY CLAY, and quartz sand, which constitutes as much as 15% of the BIOSILICA-BEARING CLAYEY MUD.  General Description: Core consists of 2-10-cm drilling biscuits. The combination of similar characteristics, dark coloration, and drilling disturbance render the major lithologies indistinguishable except in smear slides. An overall trend is apparent, with higher sand content at the top of the core and more siliceous microfossils in the middle. The sediment is mottled throughout all sections, with subhorizontal elongate sediment pods. Section 4, 60-90 cm and Section 5, 0-30 cm, contain contorted slump structures and imbricate pods. A sharp contact occurs at Section CC, 10 cm. Below this horizon, the sediment is very dark gray (2.5Y 3/2), homogeneous, and brittle.	
2	[Symbol]	2							S
3	[Symbol]	3							S
4	[Symbol]	4							S
5	[Symbol]	5							S
6	[Symbol]	CC							M
7	[Symbol]								2.5Y 3/2



SITE 908 HOLE A CORE 35X

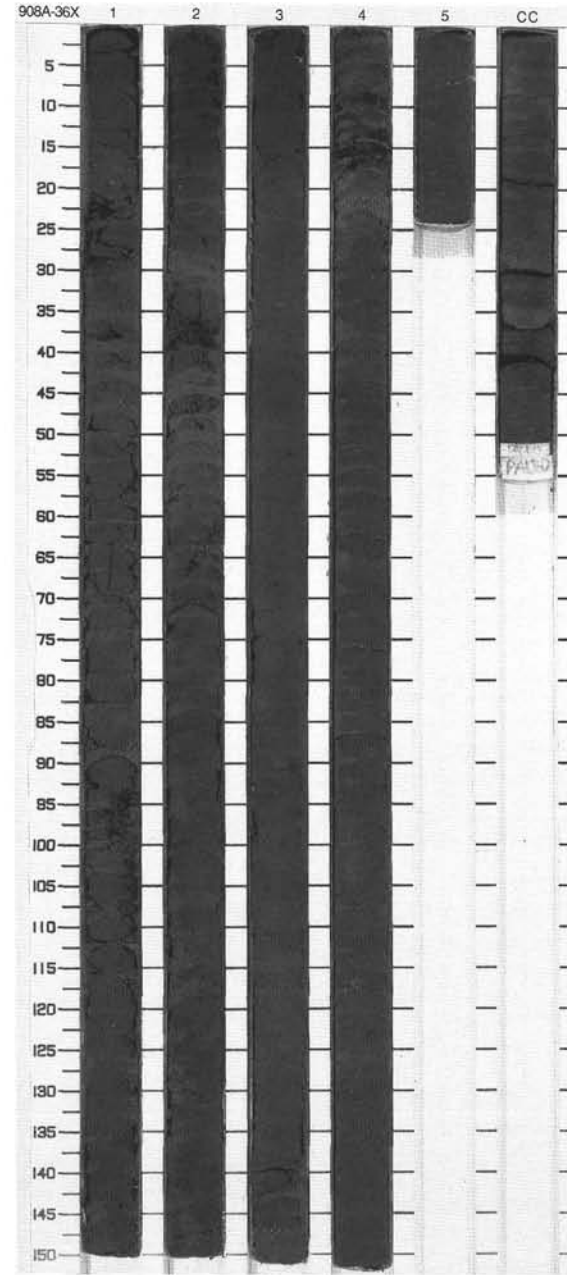
CORED 320.2 - 330.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		}}	W	S	5Y 3/2	<p>SILTY CLAY</p> <p>Major Lithology: SILTY CLAY, dark olive gray (5Y 3/2) seems to be originally laminated (mm scale), laminae show color changes to more brownish color; moderate to highly bioturbated; whole core moderately disturbed due to drilling.</p> <p>Minor Lithologies: SILTY CLAY, olive gray (5Y 4/2), present in Section 2, 70-90 cm, nanofossils abundant. CALCAREOUS CLAY, olive (5Y 5/3), with high dolomite content, is present in Section CC, 4-9 cm.</p>
2	[Hatched pattern]	2		}}		P		
3	[Hatched pattern]	3		}}		P		
4	[Hatched pattern]	4	Oligocene	}}		S	5Y 4/2	
5	[Hatched pattern]	5		}}		P		
6	[Hatched pattern]	6		}}		S	5Y 3/2	
7	[Hatched pattern]	7		}}		P		
8	[Hatched pattern]	8		}}		P		
	[Hatched pattern]	CC		}}		S	5Y 4/3	



SITE 908 HOLE A CORE 36X CORED 330.1 - 340.0 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	}}	W	S	5Y 3/2	<p><b>SILTY CLAY</b></p> <p><b>Major Lithology:</b> SILTY CLAY, dark olive gray (5Y 3/2), seems to be originally laminated on mm scale, lamination disturbed by moderate to heavy bioturbation.</p> <p><b>Minor Lithologies:</b> SILTY MUD, olive gray (5Y 4/2), moderately bioturbated; glauconite grains are present.</p> <p><b>General Description:</b> Glauconite-rich layers are present in Section 3, 36-56 cm; Section 4, 50-52 cm; Section 5, 19-23 cm.</p>
2	[Hatched pattern]	2	}}		S	5Y 4/2	
3	[Hatched pattern]	3	}}		P	5Y 3/2	
4	[Hatched pattern]	3	}}		P	5Y 3/2	
5	[Hatched pattern]	4	}}	W	S	5Y 4/2	
6	[Hatched pattern]	4	}}		P	5Y 3/2	
	[Hatched pattern]	5	}}		S	5Y 4/2	
	[Hatched pattern]	CC	}}		S M	5Y 4/2	

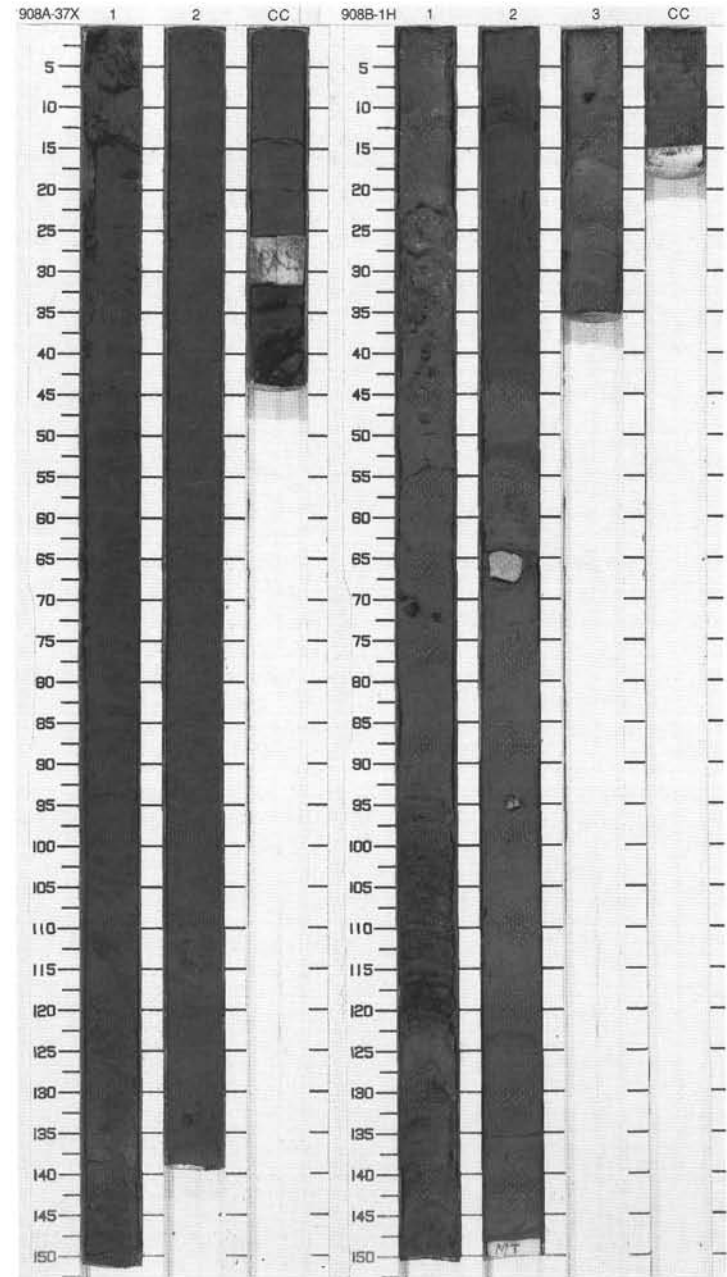


SITE 908 HOLE A CORE 37X CORED 340.0 - 344.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Oligocene	[Wavy lines]	[Vertical line]	S	5Y 3/1	SILTY CLAY  Major Lithology: SILTY CLAY, dark olive gray (5Y 3/1), structureless, moderately bioturbated.  General Description: Glauconite rich layer in Section 1, 23-25 cm; siltstone fragments up to 1.5 cm are present in Sections 2, 94-150 cm; CC, 0-44 cm.
2		P						
3		S						
2	[Hatched pattern]	2	Oligocene	[Wavy lines]	[Vertical line]	S	5Y 4/1	
3		P						
CC		S						
3	[Hatched pattern]	3	Oligocene	[Wavy lines]	[Vertical line]	S	5Y 2.5/1	
CC		M						

SITE 908 HOLE B CORE 1H CORED 0.0 - 3.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Oligocene	[Diamonds]	[Vertical line]	P	10YR 5/3 To 2.5Y 4/2	SILTY MUD and CLAYEY MUD  Major Lithologies: Many alternations between SILTY MUD and CLAYEY MUD are recognized throughout the core. Color varies cyclically from brown-grayish brown (10YR 5/3-2.5Y 5.2) to dark gray (5Y 4/1) in 10-30 cm orders, with relatively sharp contacts. Thin laminated beds are present in Section 1, 95-120 and 130-140 cm, Section 2, 140-148 cm. Faint bioturbation recognized in Section 1, 76-95 cm, Section 2, 80-135 cm.  General Description: DROPSTONES: Section 1, 40 cm, Ø 1 cm; 71 cm, Ø 2.5 cm, brittle; Section 2, 64 cm, Ø 4.5 cm, sandstone; Section 2, 95 cm, Ø 2 cm, limestone; Section 3, 8 cm, Ø 1 cm, black shale.
2		S						
3		P						
2	[Hatched pattern]	2	Oligocene	[Diamonds]	[Vertical line]	S	2.5YR N2.5/0	
3		P						
CC		P						

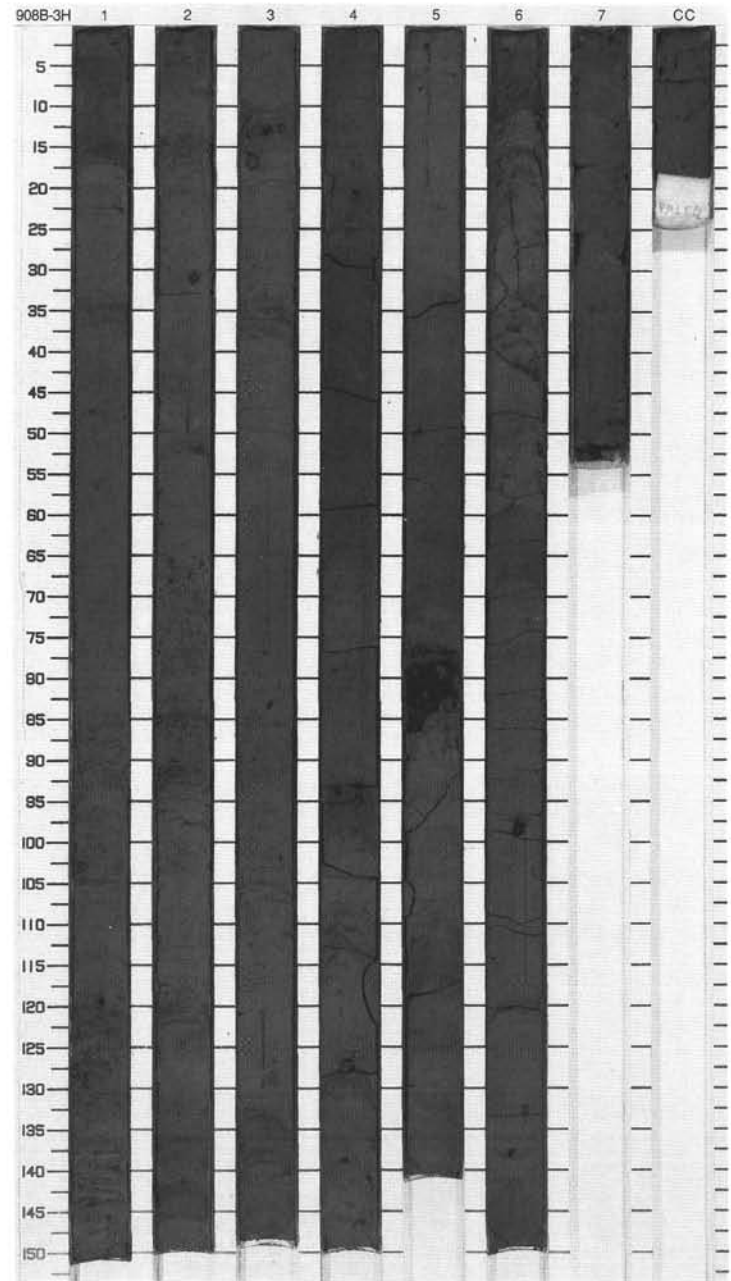




SITE 908 HOLE B CORE 3H

CORED 13.0 - 22.5 mbsf

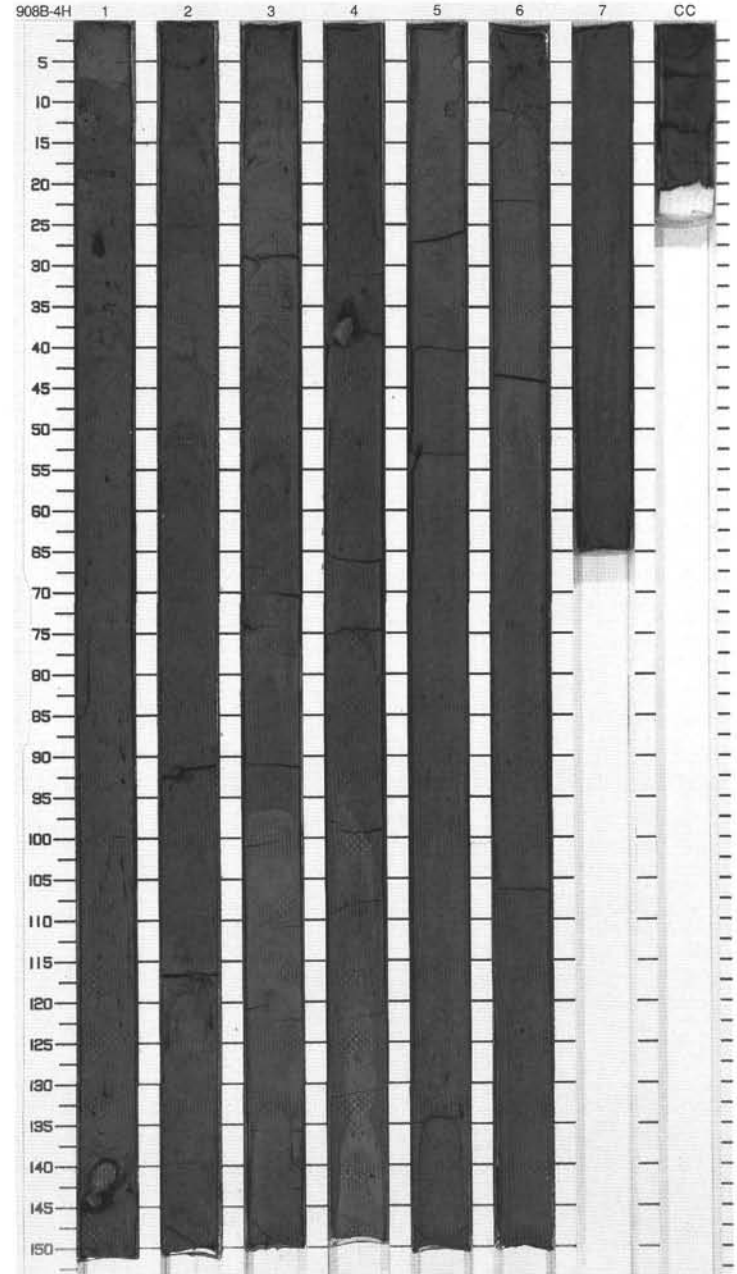
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1	---		S P	5Y 4/2 To 5Y 3/1	FORAMINIFER-BEARING SILTY CLAY, SILTY CLAY, CLAYEY SILT and CLAYEY MUD
2		2	~		P	5Y 4/2	Major Lithologies: Olive gray (5Y 4/2) to very dark gray (5Y 3/1) SILTY CLAY, FORAMINIFER-BEARING SILTY CLAY, and CLAYEY SILT. Dark gray (10Y 4/1) CLAYEY MUD.
3		3	~		S	5Y 5/2	FORAMINIFER-BEARING SILTY CLAY contains 8% to 18% benthic agglutinated foraminifers. SILTY CLAY and CLAYEY SILT contain
4		3	~		S P	10Y 5/4	between 13% and 25% quartz grains, and a more variable amount of feldspar (3%–18%). These lithologies also include minor amounts of glauconite and accessory minerals.
5		4	~		S P	5Y 4/2	CLAYEY MUD occurs in the lower sections of the core, and is characterized by higher sand content and lower silt content than the overlying sediment.
6		4	~		P	2.5Y N4/0	General Description: Gradual color changes characterize the core. Bioturbation is light through much of the sediment, resulting in a mottled appearance. Thin color bands are apparent in Section 3, 30–60 and 130–150 cm and Section 5, 30–50 cm. Well-preserved laminations occur in Section 2, 125–145 cm. A 10-cm-thick, very dark brown (10YR 2/2) layer in Section 3, 82 cm, contains fine dolomite, five dropstones, and sulfides.
7		5	~		P	5Y 4/1	
8		5	~		S	5Y 5/1	
9		6	~		P	5Y 4/1	
10		7	~		P	10Y 3/1 To 5Y 4/1	Dropstones: Section 2, 30 cm, Ø 1 cm, black shale; Section 3, 12 cm, Ø 1.5 cm; 15 cm, Ø 1.5 cm; Section 4, 127 cm, Ø 1 cm, fine-grained; Section 5, 79 cm, Ø 2.1 cm, black shale; 79 cm, Ø 1.2, black shale; 80 cm, Ø 1.0, black shale; 84 cm, Ø 1.0 black shale; 90 cm, Ø 1.0 cm, black shale.
11		7	~		P	10Y 4/1	Section 6, 98 cm, Ø 1.5 cm, black shale.
12		CC			M		





SITE 908 HOLE B CORE 4H CORED 22.5 - 32.0 mbsf

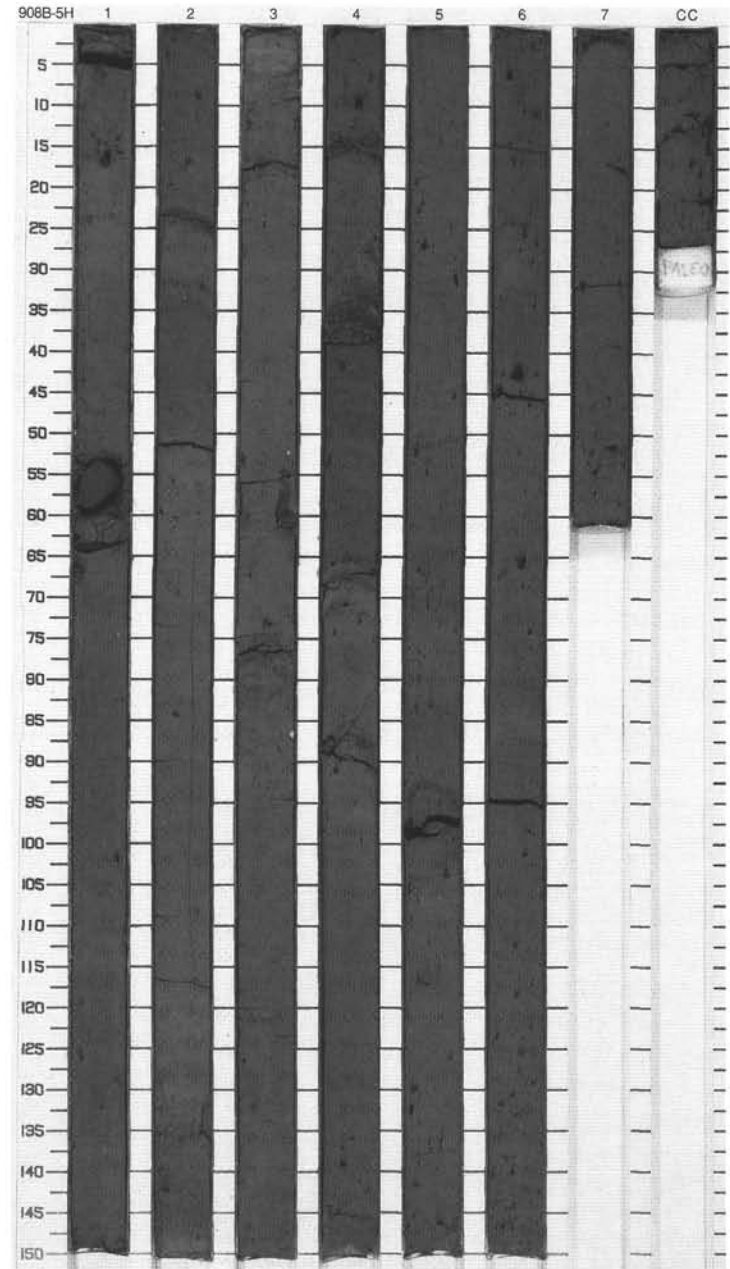
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pliocene - Pleistocene	}	-	S	5Y 3/1	<p>SILTY CLAY and CLAYEY MUD</p> <p>Major Lithologies: SILTY CLAY and CLAYEY MUD, very dark gray (5Y 3/1), homogeneous or slightly bioturbated. Up to cm-sized burrows or patches of black sediment are present throughout the core. These are comprised of coal or hydrotroilite (FeS nH O). Silt- and sand-sized components include in increasing order: quartz, feldspar, opaques, and accessory minerals. Layers of silty mud, including up to 10% glauconite and 5% volcanic glass, occur throughout the core.</p>
2	[Hatched pattern]	2				S P		
3	[Hatched pattern]	3				P		
4	[Hatched pattern]	4				S		
5	[Hatched pattern]	5				S		
6	[Hatched pattern]	6				S		
7	[Hatched pattern]	7				S		
8	[Hatched pattern]	8				S		
9	[Hatched pattern]	9				S		
		CC				M		<p>Minor Lithologies: Very dark gray (5Y 3/1), homogeneous CLAY is present in Section 4, 0-100 cm. CLAYEY CARBONATE, dark gray (5Y 4/1), comprised of 60% clay-sized carbonate grains is present in Section 4, 100-150 cm.</p> <p>General Description: The hole core is slightly to moderately disturbed.</p> <p>Dropstones: Section 1, Ø 2.6 cm, sandstone; Ø 3.5 cm, siltstone; Section 2, Ø 1.5 cm, possibly dropstone; Section 4, Ø 4.0 cm, siltstone.</p>



SITE 908 HOLE B CORE 5H

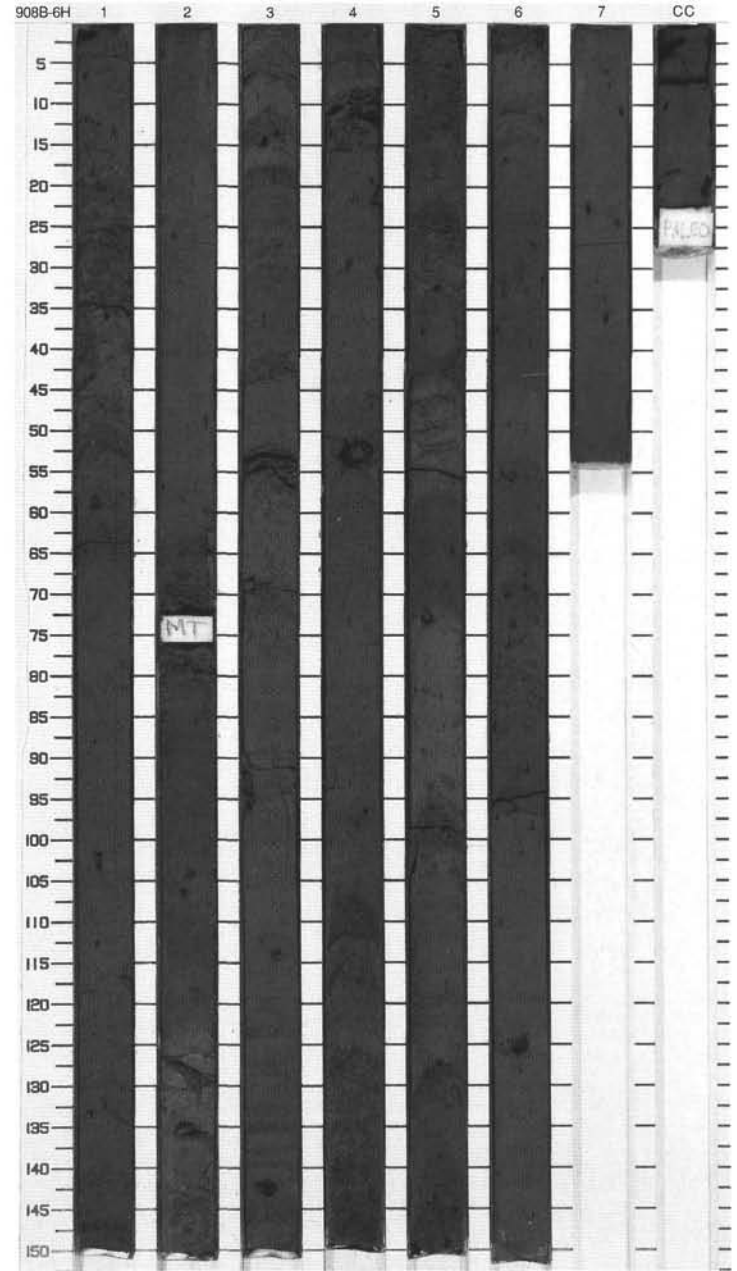
CORED 32.0 - 41.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		◆		P		<p><b>SILTY CLAY</b></p> <p>Major Lithology: Very dark gray (5Y 3/1), massive SILTY CLAY with common mud clasts, most composed of iron-sulfide blebs (probably pyritized burrows), some composed of coal.</p> <p>Minor Lithologies: Very dark grayish brown (2.5Y 3/2) CARBONATE CLAY occurs from Section 2, 148 cm to Section 3, 8 cm, composed of ~80% inorganic calcite. Very dark gray (5Y 3/1) CLAYEY MUD, occurs in visibly coarser layers in Section 2, 22 cm, Section 3, 72-80 cm, Section 4, 25-39, 69-71, and 88 cm, Section 5, 95-100 cm.</p> <p>General Description: Small packages (~5 cm) of graded coloration, from faintly greenish to brownish very dark gray (5Y 3/1) (~5 cm), seen in non-massive sections.</p> <p>Dropstones: Section 1, 55 cm, Ø 6 cm, sandstone; Section 3, 70 cm, Ø 1 cm, quartz; Section 4, 40 cm, Ø 1 cm, basalt; Section 7, 52 cm, Ø 1 cm.</p>
1	[Hatched pattern]	1		◇		S P		
2	[Hatched pattern]	2		◆		P		
2	[Hatched pattern]	2			—	P		
3	[Hatched pattern]	3				P		
3	[Hatched pattern]	3			—	S P		
4	[Hatched pattern]	3		◆		P		
4	[Hatched pattern]	3		◇		P		
5	[Hatched pattern]	4		◆		S P	5Y 3/1	
5	[Hatched pattern]	4		◇		P		
6	[Hatched pattern]	5		◆		P		
7	[Hatched pattern]	5			—	P		
8	[Hatched pattern]	6		◆		P		
8	[Hatched pattern]	6		◆		S P		
9	[Hatched pattern]	7				P		
9	[Hatched pattern]	7		◇		P		
	[Hatched pattern]	CC				M		

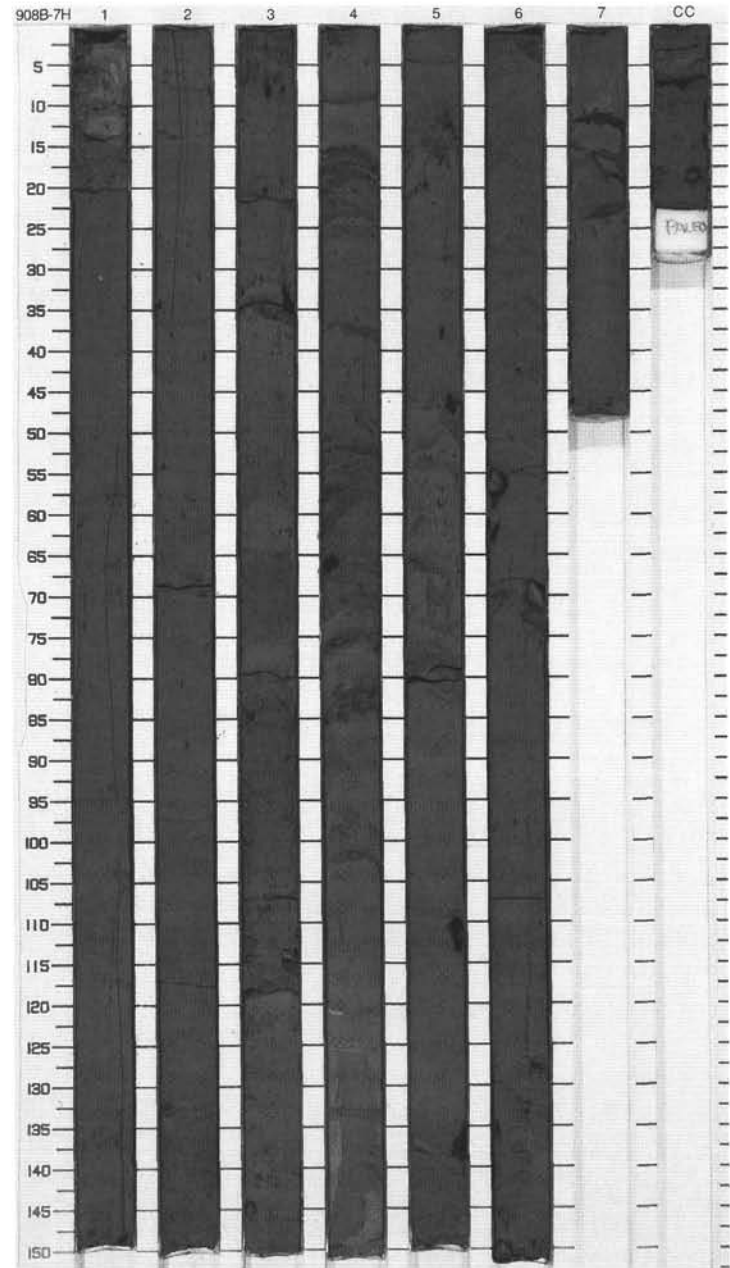


SITE 908 HOLE B CORE 6H CORED 41.5 - 51.0 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1	◇		P		<p>CLAYEY MUD and SILTY CLAY</p> <p>Major Lithologies:                      CLAYEY MUD, dark gray to very dark gray (5Y 4/1, 5Y 3/1), dominates Sections 1 to 6. Medium to thick color banding can be distinguished locally and discontinuous laminae and lenses of more sandy sediment are present throughout the core. Mm-size black (5Y 2.5/1) pockets (coaly?) and white pods (quartz?) are scattered throughout. Silt- and sand-size grains comprising CLAYEY MUD include quartz (35%–50%), feldspar (5%–10%), and minor amounts of opaques, accessory minerals, and glauconite; clay content is 45%–55%. SILTY CLAY, very dark gray (5Y 3/1), occurs in Section 6 to CC and is homogeneous. Silt-sized grains include quartz, feldspar, opaques, and accessory minerals.</p> <p>Minor Lithology:                      CLAYEY CARBONATE, olive gray (5Y 4/2), occurs in Section 5, 46–52 cm. It is indurated, and has sharp top and bottom contacts. Clay/silt-sized carbonate grains comprise approximately 60%; the remainder is clay, quartz, and opaques.</p> <p>General Description:                      Dropstones:                      Section 1, 102 cm, Ø 1 cm;                      Section 2, 135 cm, Ø 2.0 cm;                      Section 3, 143 cm, Ø 1.0 cm, basaltic?;                      Section 4, 51 cm, Ø 4.0 cm, mylonite?;                      Section 5, 72 cm, Ø 1.5 cm, sandstone.</p>
2	VOID	2			S	5Y 3/1	
3		3	◇		P	5Y 4/1	
4		3			S	5Y 4/1 To 10Y 3/1	
5		4	◇		P	5Y 3/1	
6		5	◇		S		
7		5	◇		P		
8		6			S	5Y 3/1 To 10Y 3/1	
9		7			P	5Y 3/1	
CC					M		

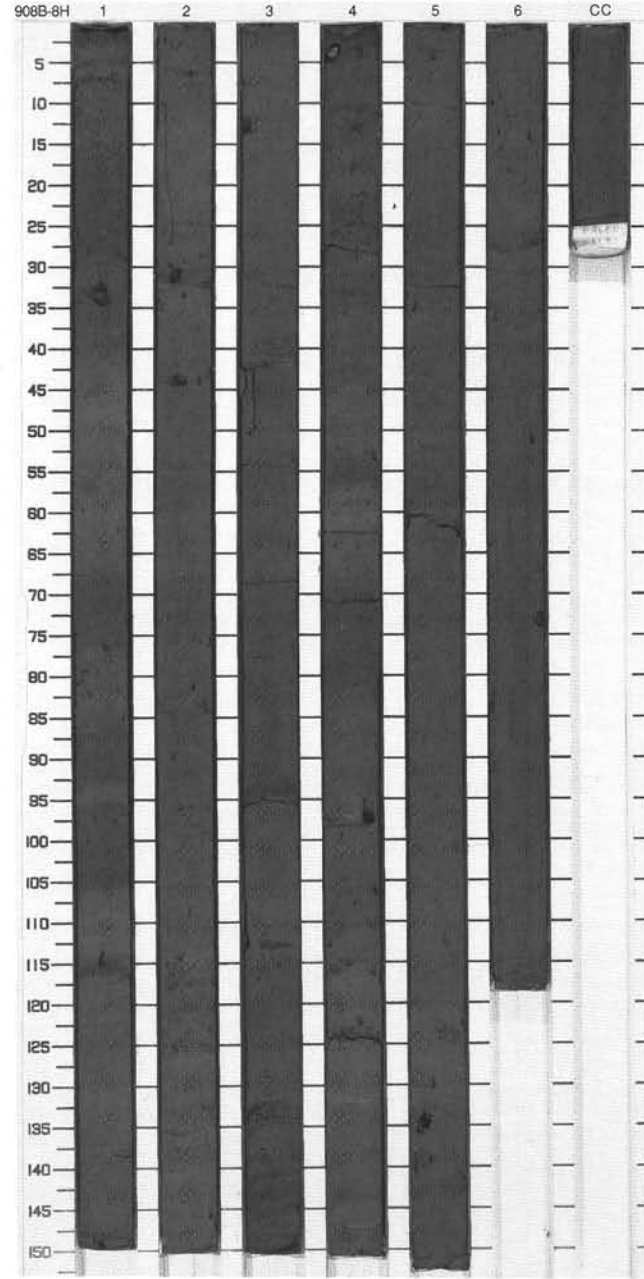


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1				P		<p>CLAYEY MUD and CLAY</p> <p>Major Lithologies:                      CLAYEY MUD, very dark gray (5Y 3/1), homogeneous, is present from top of Section 1 to Section 3, 28 cm. Patches of black or dark grayish brown (2.5Y 4/2) sediment are seen within this mud. Silt- and sand-sized components include in decreasing order, quartz, feldspar, and accessory minerals. CLAY, very dark gray (5Y 3/1), with dark gray (5Y 4/1) and dark olive gray (5Y 3/2) bands, is present below Section 3, 28 cm. The number of color bands decreases downsection. Dark gray color bands consist of silty clay. Between color bands, layers, and patches of very dark gray (5Y 3/1) clayey mud is found. Burrows and patches filled with black and dark reddish brown (2.5YR 2.5/4) sediment are present in some intervals. The coarse fraction includes, quartz, feldspar, and accessory minerals.</p> <p>General Description:                      Dropstones:                      Section 3, 104, Ø 1.0 cm, quartz; 144 cm; Ø 2.0 cm, amphibolite;                      Section 5, 109 cm; Ø 1.5 cm, sandstone;                      Section 6, 56 cm; Ø 2.0 cm, siltstone with pyrite; 69 cm; Ø 2.8 cm, sandstone; 69 cm; Ø 3.1 cm, sandstone.</p>
2	[Dotted pattern]	2				S	5Y 3/1	
3	[Dotted pattern]	3				P		
4	[Dotted pattern]	3				S	5Y 3/1 To 5Y 4/1	
5	[Dotted pattern]	4				P		
6	[Dotted pattern]	5				S P		
7	[Dotted pattern]	6				P	5Y 3/1	
8	[Dotted pattern]	6				P		
9	[Dotted pattern]	7				S		
10	[Dotted pattern]	7				P		
11	[Dotted pattern]	7				M		



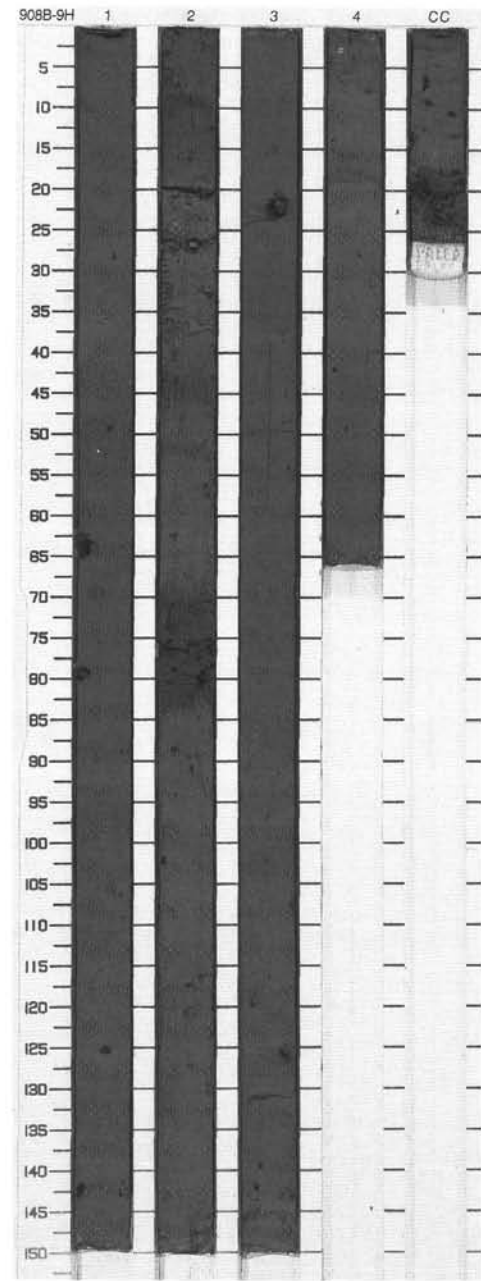
SITE 908 HOLE B CORE 8H CORED 60.5 - 70.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1		1	Pliocene-Pleistocene	P	P	P	5Y 3/1 To 5Y 4/1	<p><b>SILTY CLAY</b></p> <p>Major Lithology: Two dominant sublithologies of very dark gray (5Y 3/1) SILTY CLAY are found, one massive with mud clasts, the other commonly exhibiting (brownish) dark gray (5Y 4/1) to dark greenish gray (5GY 4/1) layers. Layered SILTY CLAY occurs from the top of core to Section 1, 107 cm, and from Section 3, 130 cm to Section 4, 117 cm. Massive SILTY CLAY occurs from Section 1, 107 cm to Section 3, 130 cm, and from Section 4, 117 cm to bottom of core.</p> <p>Dropstones: Section 1, 32 cm, Ø 2 cm; Section 2, 30 cm, Ø 1.5 cm; Section 2, 43 cm, Ø 1.6 cm (shale); Section 4, 5 cm, Ø 3 cm; Section 6, 73 cm, Ø 1.5 cm.</p>	
2							P		5Y 3/1
3							P		5Y 3/1 To 5Y 4/1
4							S		5Y 3/1
5							P		5Y 4/1
6							P		5Y 3/1
7							S		5Y 3/1
8							P		5Y 3/1
CC						M			



SITE 908 HOLE B CORE 9H      CORED 70.0 - 75.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pliocene-Pleistocene	◇		P	5Y 3/1 To 5GY 4/1	<p><b>SILTY CLAY</b></p> <p>Major Lithology:                      SILTY CLAY, very dark gray to dark greenish gray (5Y 3/1, 5GY 4/1), is homogeneous but locally shows color banding. Gray and very dark gray (5Y 5/1, 5Y 3/1), sandy pockets are scattered throughout the core. White quartz pods occur in Section 2, 84 cm to Section CC. Silt- and sand-sized grains in SILTY CLAY include quartz (20%–30%), feldspar (5%–10%) and minor accessory minerals, and opaques.</p>
2	[Hatched pattern]	2				S P		
3	[Hatched pattern]	3				S P		
4	[Hatched pattern]	4				P		
5	[Hatched pattern]	4				S P		
		CC				P	5GY 4/1	<p>Minor Lithologies:                      CLAYEY CARBONATE is dark gray (5Y 4/1) in Section 2, 18–46 cm and very dark grayish brown (2.5Y 3/2) in Section CC, 18–26 cm. The layer in Section 2 has gradational top and bottom contacts. Clay/silt-sized carbonate (nonbiogenic) grains are the dominant components; quartz and opaques occur in minor amounts.</p>
						S M		<p>CLAYEY MUD, black (5Y 2.5/1), in Section 2, 70–84 cm is homogeneous and contains abundant dropstones, &lt;5 mm in size. Clay-sized grains of carbonate, apparently nonbiogenic, comprise about 10%.</p> <p>Dropstones:                      Section 1, 64 cm, Ø 2 cm; 80 cm, Ø 1 cm; Section 2, 26 cm, Ø 2 cm, tabular, black; Section 3, 22 cm, Ø 1.5, gray.</p>



SITE 908 HOLE B CORE 10H CORED 75.4 - 83.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Hatched pattern]	1	Pliocene - Pleistocene	◇		S		<p><b>SILTY CLAY and CLAYEY MUD</b></p> <p>Major Lithologies:                      Homogeneous SILTY CLAY, very dark gray (5Y 3/1) is present from Section 1, 20 cm to Section 5, 23 cm. Black (5Y 2.5/1), dark gray (5Y 4/1) and dark olive gray (5Y 3/2) color bands are common in this clay. Black bands are comprised of clayey mud, all other color bands of silty clay. Patches of black and dark brownish gray (2.5Y 4/2) sediment are present. Silt- and sand-sized components include quartz, feldspar, accessory minerals, and opaques. Very dark gray (5Y 3/1), homogeneous CLAYEY MUD is present from Section 5, 23 cm to bottom of core catcher. Includes quartz, feldspar, accessory minerals, opaques, and glauconite.</p> <p>Minor Lithology:                      CLAYEY CARBONATE, dark gray (5Y 4/1) is present in Section 1, 0-20 cm.</p> <p>General Description:                      Concretion, 2.5 cm in diameter, comprised of clay-sized material and sand-sized calcite grains was found in Section 5, 112 cm.</p> <p>Dropstones:                      Section 1, 48 cm; 1.5 cm, siltstone?;                      Section 2, 10 cm; 3.6 cm, laminated clay/siltstone;                      Section 2, 43 cm; 1.0 cm, quartz;                      Section 5, 57 cm; 1.0 cm, coal.</p>	
1	[Hatched pattern]	1					P		
2	[Hatched pattern]	2		◇			S		
2	[Hatched pattern]	2		◇			S		
3	[Hatched pattern]	3					P		
4	[Hatched pattern]	3					P		5Y 3/1
5	[Hatched pattern]	4		◇			S		
6	[Hatched pattern]	4					P		
7	[Hatched pattern]	5	◇			S			
7	[Hatched pattern]	5	◇			P			
8	[Hatched pattern]	CC				M			

