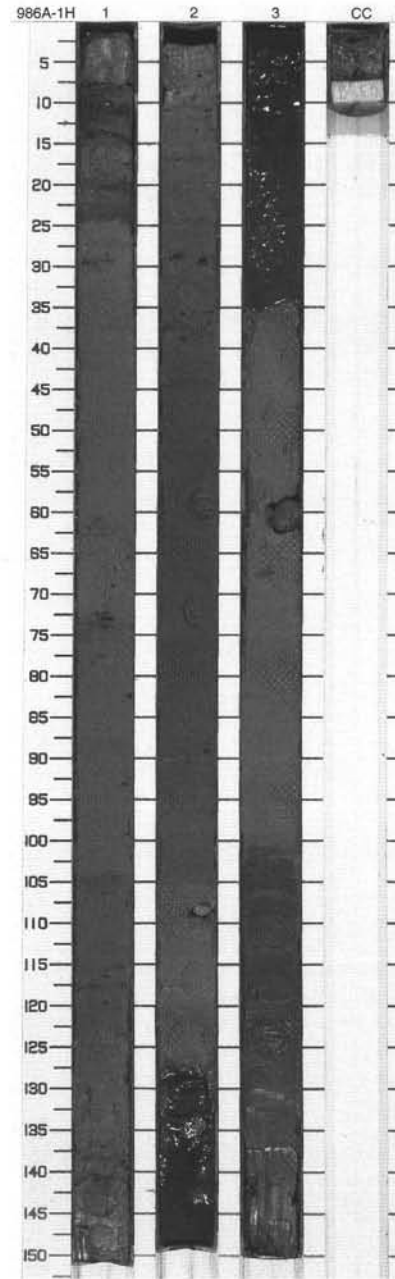


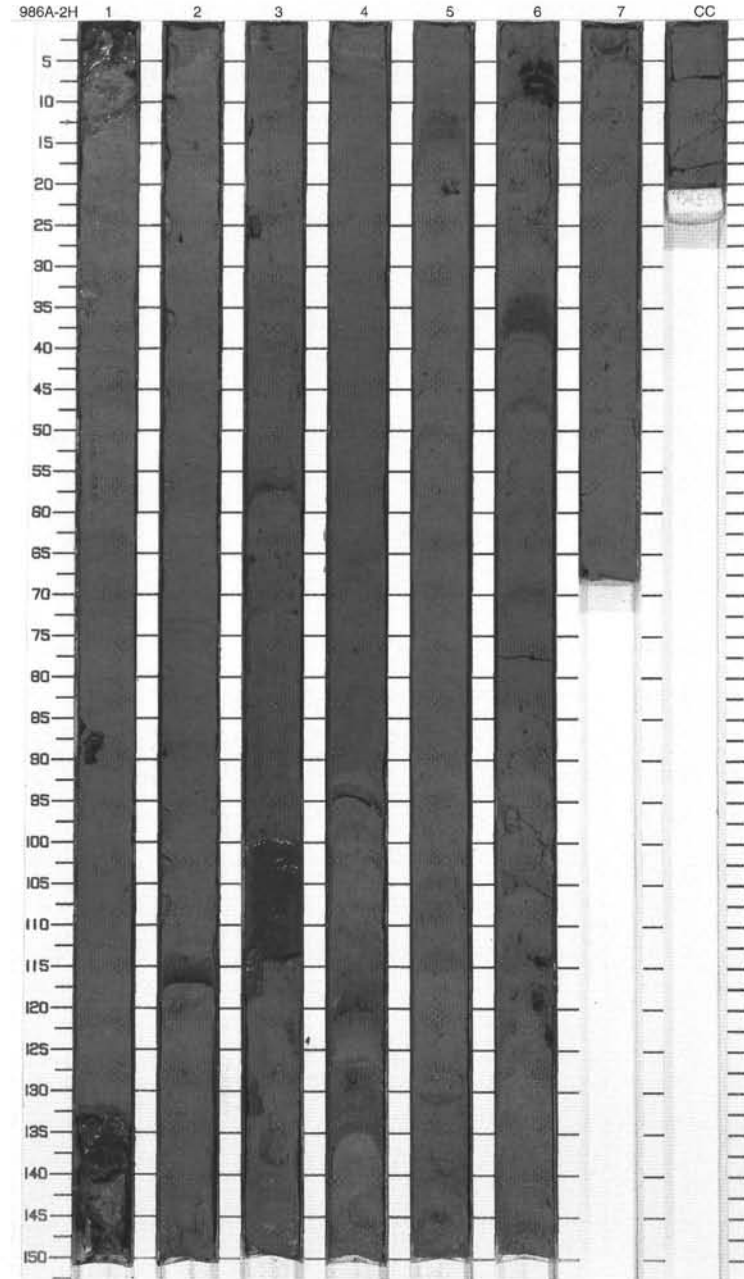
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	Pleistocene	}		S	7.5YR 4/2	<p>SILTY CLAY, CLAY WITH SILT AND NANNOFOSSILS and NANNOFOSSIL SILTY CLAY</p> <p>General Description: This core contains brown (7.5YR 4/2) NANNOFOSSIL SILTY CLAY, dark gray (10YR 4/1) CLAY WITH SILT AND NANNOFOSSILS, and very dark gray (5YR 3/1) to dark gray (5YR 4/1) SILTY CLAY. Thin brown (7.5YR 4/2) CLAY WITH SILT layers are interbedded in Section 1, 60–75 cm. A moist reddish brown (5YR 4/3) to very dark gray (5Y 3/1) QUARTZ SAND WITH SILT turbidite, with a strong erosional lower contact, is situated between Section 2, 127 cm and Section 3, 35 cm. Color bands occur in Sections 1 and 3. Sediment is soft, moist, and very sticky. Color changes are gradual. Slight bioturbation occurs throughout the core. A 4-cm-long rounded chert is present in Section 3, 59–62. A pink angular 2-cm-long syenite is present in Section 2, 108–109 cm.</p>
1	[Pattern]	1				S	10YR 4/1	
2	[Pattern]	2				S	5YR 3/1	
3	[Pattern]	3				S	5Y 3/1	
3	[Pattern]	3				S	5YR 4/1	
4	[Pattern]	3				M	5YR 3/1	



SITE 986 HOLE A CORE 2H

CORED 4.6 - 14.1 mbsf

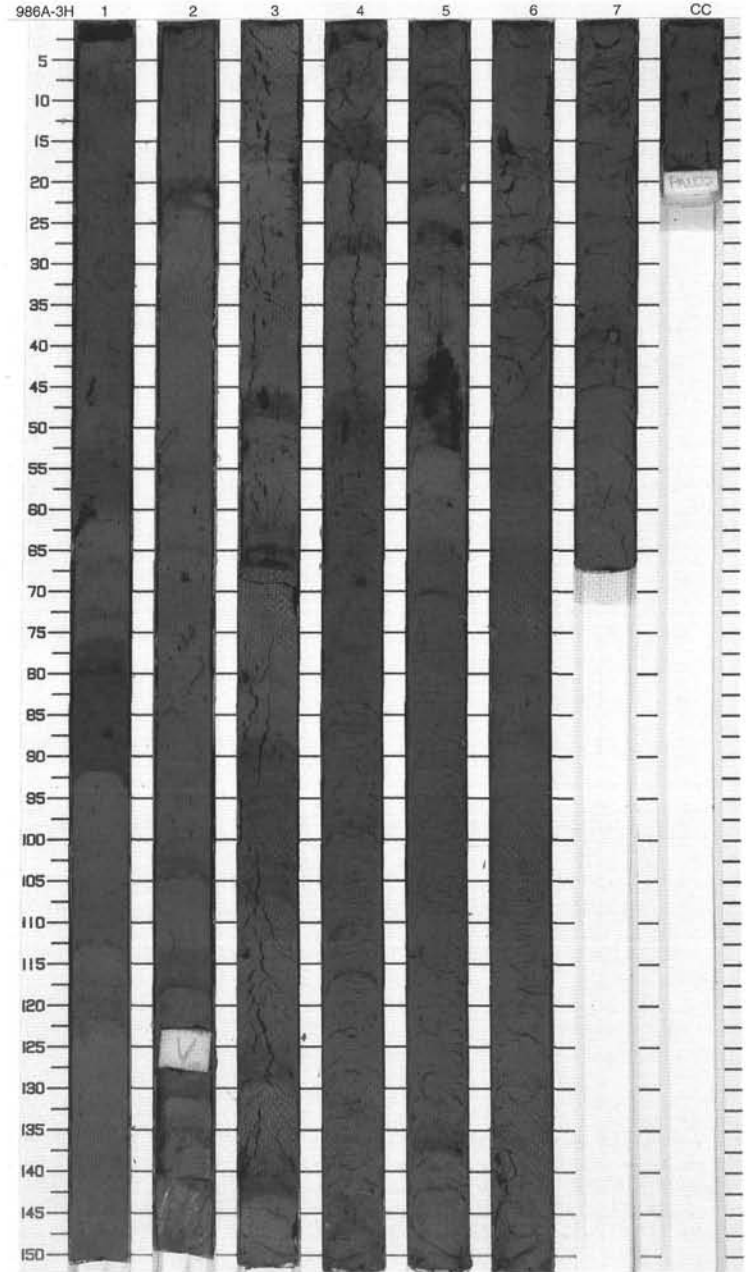
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Vertical lines]	○		5Y 4/1	<p>SILTY CLAY</p> <p>General Description: This core contains dark gray (5YR 4/1 and 5Y 4/1) and very dark gray (5YR 3/1 and 5Y 3/1) SILTY CLAY. SAND WITH SILT turbidites are present in Section 1, 133-144 cm and in Section 3, 99-113 cm. A SILTY CLAY WITH SAND layer is present in Section 4, 95-97 cm. Sediment is soft, moist, and sticky. Color changes are gradational. Core is slightly bioturbated. Yellowish and dark color bands occur throughout the core. Dark layers are sulfide-rich and may contain organic carbon. This core is soupy at the top and inside turbidite. Slight to moderate disturbance (flow-in) is present in Sections 4 and 5. A 1.7-cm-long subrounded dark mafic igneous rock is present in Section 5, 50-21 cm. A 1.8-cm-long subangular fossiliferous limestone is present in Section 6, 112-113 cm. A 1.8-cm-long subrounded granite is present in Section 6, 116-117 cm. Fissile shales form a dark layer in Section 6, 5-9 cm.</p>
2	[Dotted pattern]	2		[Vertical lines]	○		5YR 3/1	
3	[Hatched pattern]	3		[Vertical lines]	○	S	5Y 3/1	
4	[Dotted pattern]	3		[Vertical lines]	○	S	5YR 4/1	
5	[Hatched pattern]	4	Pleistocene	[Vertical lines]	○	S	5YR 4/1	
6	[Hatched pattern]	5		[Vertical lines]	○	S	5YR 4/1	
7	[Hatched pattern]	5		[Vertical lines]	○	S	5Y 4/1	
8	[Hatched pattern]	6		[Vertical lines]	◇		5YR 4/1	
9	[Hatched pattern]	6		[Vertical lines]	◇		5YR 4/1	
CC		7		[Vertical lines]	○	M	5Y 3/1	



SITE 986 HOLE A CORE 3H

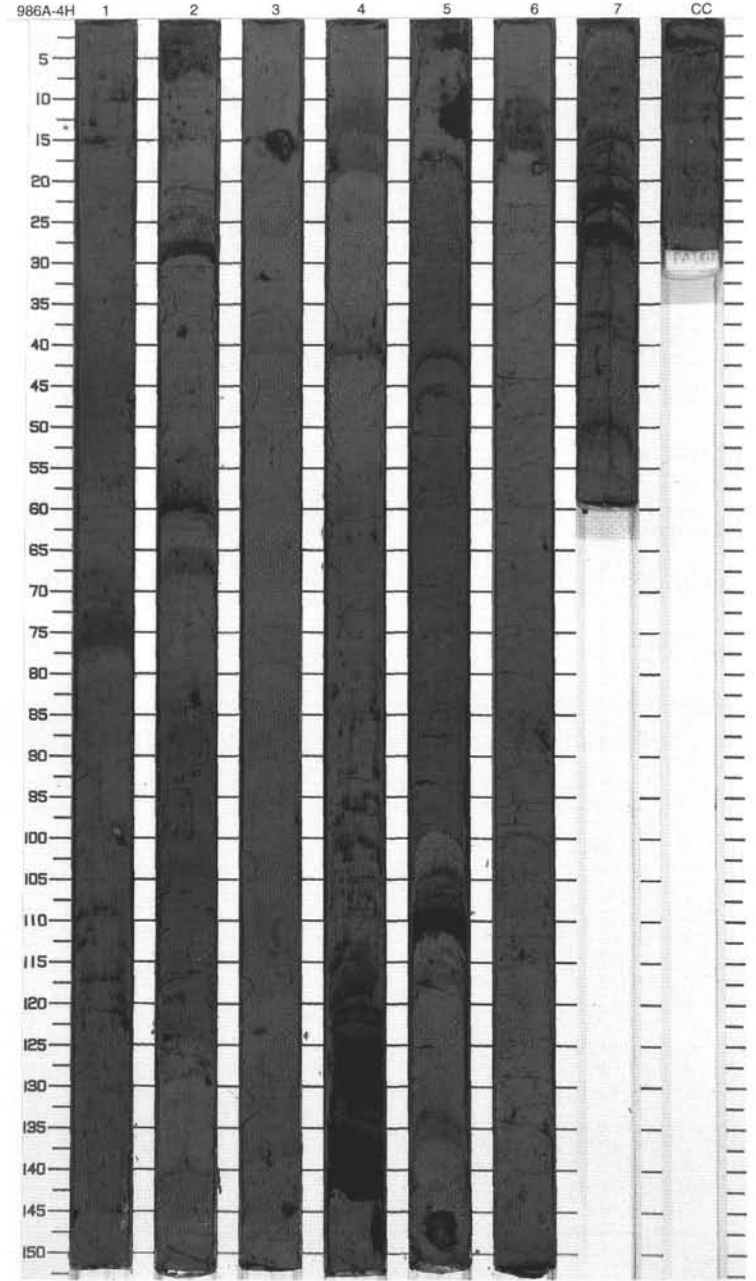
CORED 14.1 - 23.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		5		S	5YR 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (5YR 3/1) and dark gray (10YR 4/1 and 5Y 4/1) SILTY CLAY. A thick dark SULFIDE WITH QUARTZ (may be with organic material) layer is present in Section 5, 30–40 cm. Sandy thin layers are present in Section 2, 122–124 and 141–142 cm. A sandy spot is present in Section 4, 50 cm. Sediment is soft and sticky. Slight bioturbation and sulfide spots occur throughout. Yellowish and very dark layers occur throughout the entire core. Dark layers seem to be composed with sulfide (may be associated with organic carbon). A carbon-rich shale is present in Section 1, 60 cm. A 4.5-cm-long, 1-cm-wide angular granite is present in Section 6, 15 cm. A 1.5 cm subangular layered sandstone is present in Section 7, 37 cm. There is a void in Section 2, 124–126 cm. Sections 2 to 7 are slightly disturbed due to presence of gas.</p>
2	[Hatched pattern]	2		5			5Y 4/1	
3	[Hatched pattern]	3		5			10YR 4/1	
4	[Hatched pattern]	3		5			5YR 3/1	
5	[Hatched pattern]	4	Pleistocene	5			5YR 3/1	
6	[Hatched pattern]	5		5	⊙	S	N2	
7	[Hatched pattern]	5		5		S		
8	[Hatched pattern]	6		5	◇		5YR 3/1	
9	[Hatched pattern]	7		5	◇		5YR 3/1	
	[Hatched pattern]	CC				M		

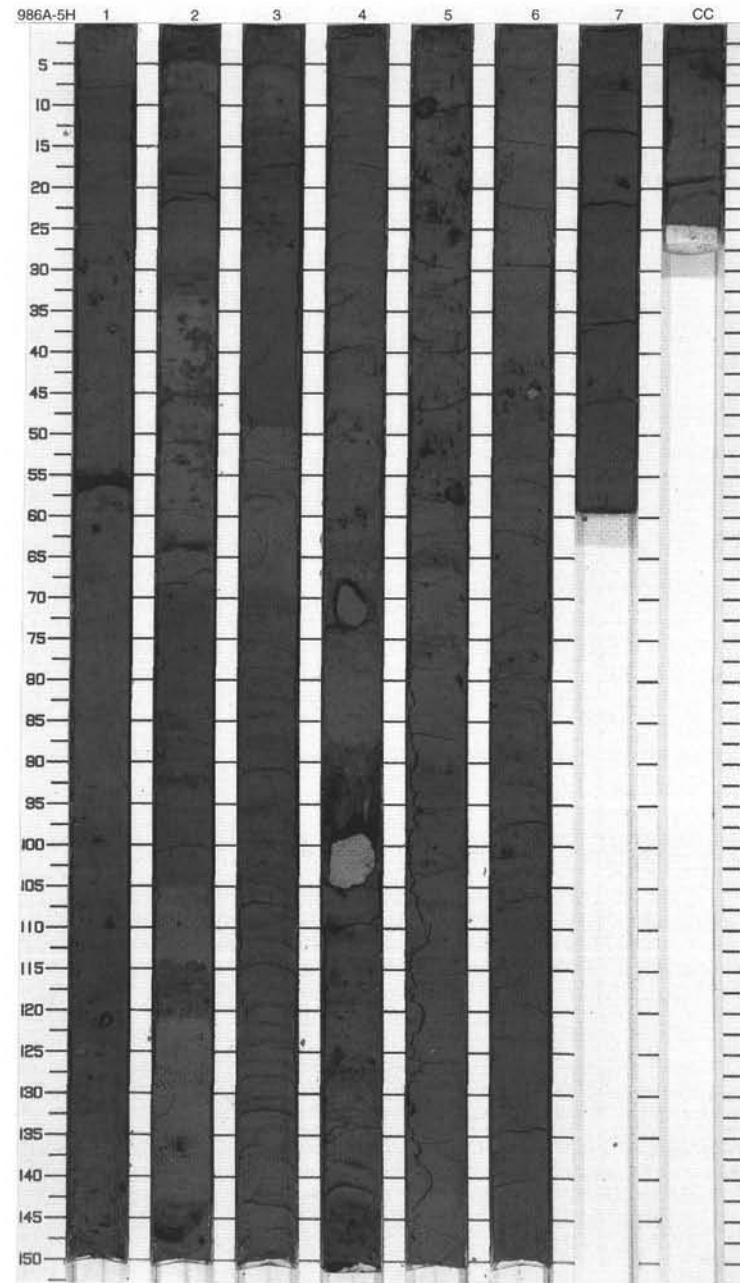


SITE 986 HOLE A CORE 4H CORED 23.6 - 33.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Wavy line]			5Y 4/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (10YR 3/1 and 5Y 3/1), very dark greenish gray (10Y 3/1), olive gray (5Y 4/2), and dark gray (5Y 4/1) SILTY CLAY. A graded CLAYEY SAND layer with a sharp lower contact is present in Section 4, 120-142. Sediment is firm and homogeneous. Slight bioturbation, disseminated sulfide and dark color mottling occur throughout the entire core. Dark layers and spots are sulfide-rich and may be carbon-rich. Color changes are gradual. A 1.3-cm-long micaschiste is present in Section 1, 99-100 cm. A black 3.3-cm-long subangular schiste is present in Section 3, 14-17 cm. A black 3.7-cm-long layered sandstone is present in Section 5, 146-150 cm. A rounded 1.3-cm-long gneiss is present in Section 6, 18 cm.</p>
2	[Hatched pattern]	2		[Wavy line]			10YR 3/1	
3	[Hatched pattern]	3		[Wavy line]			5Y 4/1	
4	[Hatched pattern]	4		[Wavy line]			5Y 3/1 To 10Y 3/1	
5	[Dotted pattern]	5		[Wavy line]		S		
6	[Dotted pattern]	6		[Wavy line]		S	10YR 3/1	
7	[Hatched pattern]	7		[Wavy line]		S	5Y 4/2	
8	[Hatched pattern]	6		[Wavy line]			10Y 3/1	
9	[Hatched pattern]	7		[Wavy line]			5Y 3/1	
CC						M		



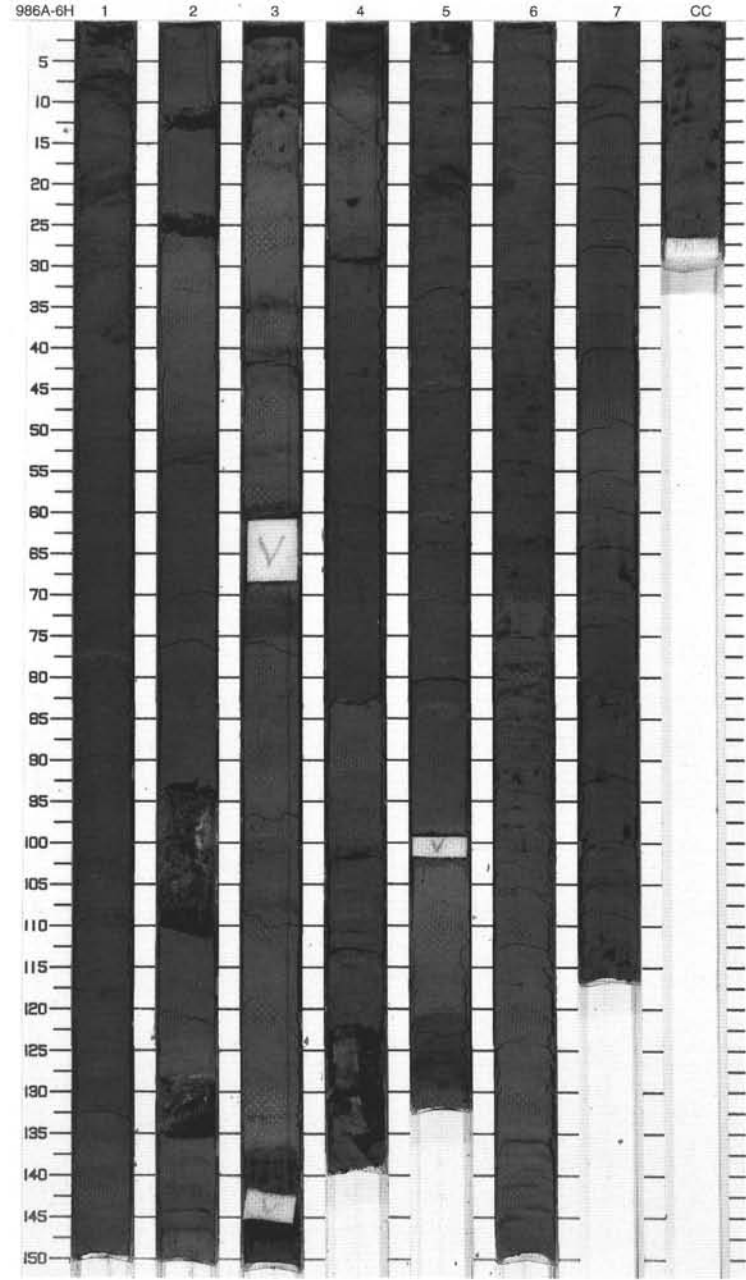
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Wavy lines]	[Vertical dashed line]	S	10Y 3/1	<p>SILTY CLAY and CLAYEY SILT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1), dark greenish gray (7.5GY 4/1 and 10Y 4/1), dark gray (5Y 4/1), and very dark gray (5Y 3/1) SILTY CLAY and CLAYEY SILT. A thin CLAYEY SILT WITH SAND layer is in Section 1, 56 cm. Core contains alternating layers of sediments with or without gravel. Black diffuse sulfides are more common in the finer layers. Lighter silt bands, shown by color band marks, are also present within the finer layers. Burrows filled with silica and darker material (sulfides) are common as poorly defined traces. Moderate to slight disturbance occur due to gas and severe disturbance due to dropstones. Coarser intervals are present in Section 1, 25-45 and 90-145 cm, in Section 2, 120-130 cm, in Section 3, 5-25 cm, in Section 4, 45-150 cm, in Section 5, 0-70 and 80-120 cm, and in Section 6, 40-50 and 75-105 cm.</p> <p>Dropstones: Section 1, 28 cm: 1.1-cm-long gray subangular siltstone; Section 1, 121 cm: 1.9-cm-long gray subangular granite; Section 4, 41 cm: 1.3-cm-long yellowish very angular highly weathered quartz-rich sandstone; Section 4, 72 cm: 5.8-cm-long subrounded quartz-rich sandstone; Section 4, 98 cm: 7.9-cm-long subrounded quartz-rich sandstone; Section 5, 9 cm: 2.2-cm-long highly weathered brown sandstone; Section 5, 18 cm: 2-cm-long black subrounded siltstone; Section 5, 25 cm: 1.2-cm-long black weathered siltstone; Section 5, 56 cm: 2.4-cm-long black subrounded siltstone; Section 6, 41 cm: 2.4-cm-long subrounded elongate schiste; Section 6, 45 cm: 1.7-cm-long subangular gabbro.</p>
							7.5GY 4/1	
2	[Hatched pattern]	2					10Y 3/1	
							7.5GY 4/1	
3	[Hatched pattern]	3					5Y 3/1	
							7.5GY 4/1	
4	[Hatched pattern]	4					5Y 4/1	
							5Y 4/1 To 10Y 4/1	
5	[Hatched pattern]	5					10Y 4/1	
6	[Hatched pattern]	6						
7	[Hatched pattern]	7						
		CC		M				



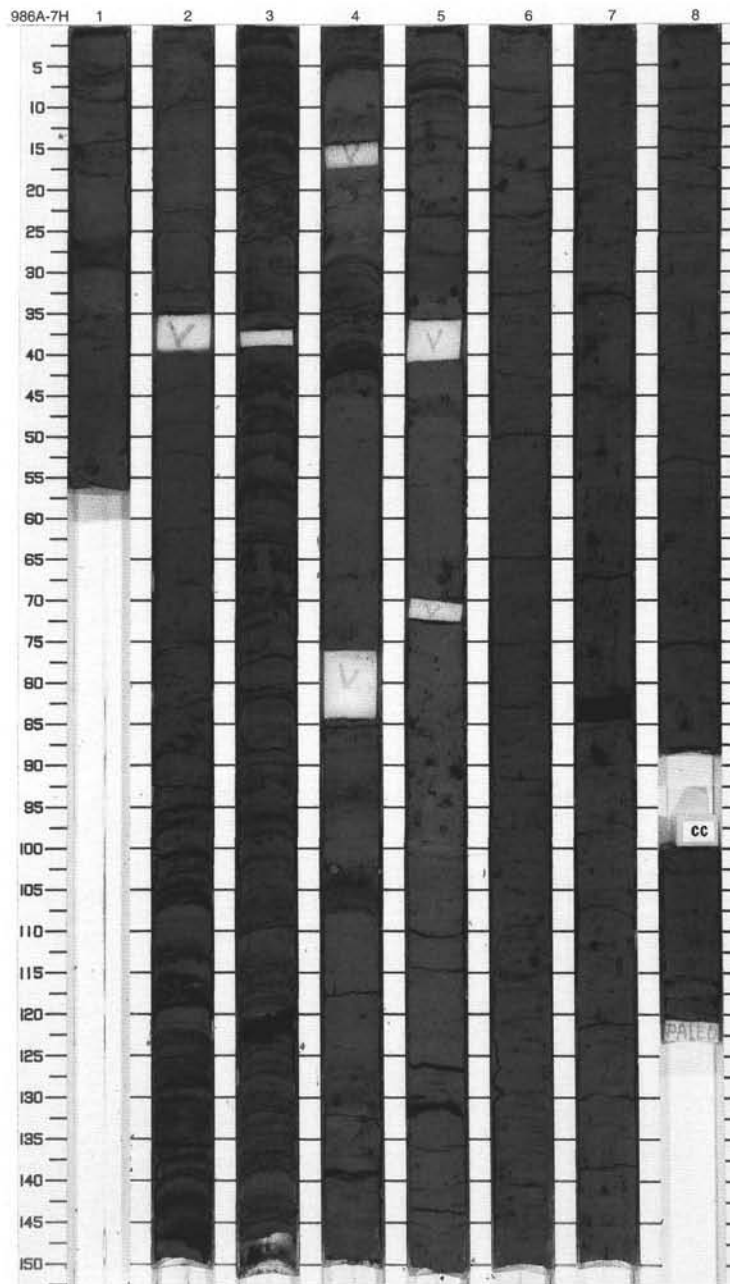
SITE 986 HOLE A CORE 6H

CORED 42.6 - 52.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Vertical lines]	---	S	5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains minor to severe disturbance due to gas expansion. It consists of dark greenish gray (5GY 4/1, 10GY 4/1) and very dark greenish gray (5GY 3/1, 10Y 3/1) SILTY CLAY with minor dark gray (2.5Y 4/1, 5YR 4/1, and 10YR 4/1) SILTY CLAY. Some of the SILTY CLAY is interbedded with laminations of CLAYEY SILT and CLAYEY SILT WITH SAND. The laminations are spaced 2 to 5 cm apart and range in thickness from about 1 cm to < 1 mm, and are a lighter tan color. The thicker laminations also show laminae. The interbedded intervals show less bioturbation than the more homogeneous intervals. The non-interbedded intervals also show more color variation. A dark black sediment at Section 3, 59 cm contains opaques which are probably sulfides. Sulfides are disseminated throughout the core, particularly in the non-laminated intervals. A dropstone at Section 4, 21 cm, is a 2-cm-long subangular, gray sandstone.</p>
2	[Hatched pattern]	2		[Wavy lines]	WWW		10GY 4/0	
3	[Hatched pattern]	3		[Wavy lines]	W	S	10Y 3/1	
4	[Hatched pattern]	3		[Wavy lines]	W	S	10GY 4/0 To 2.5Y N4/0	
5	[Hatched pattern]	4	Pleistocene	[Wavy lines]	W		10GY 4/0	
6	[Hatched pattern]	5		[Wavy lines]	W		5GY 3/1	
7	[Hatched pattern]	5		[Wavy lines]	---	S		
8	[Hatched pattern]	6		[Wavy lines]	W		10Y 4/1	
9	[Hatched pattern]	6		[Wavy lines]	---	S	5GY 3/1	
10	[Hatched pattern]	7		[Wavy lines]	---	S	5GY 4/1	
		7		[Wavy lines]	---	S	10Y 3/1	
		7		[Wavy lines]	---	S	5YR 4/1	
		CC		[Wavy lines]	---	M	10YR 4/1	



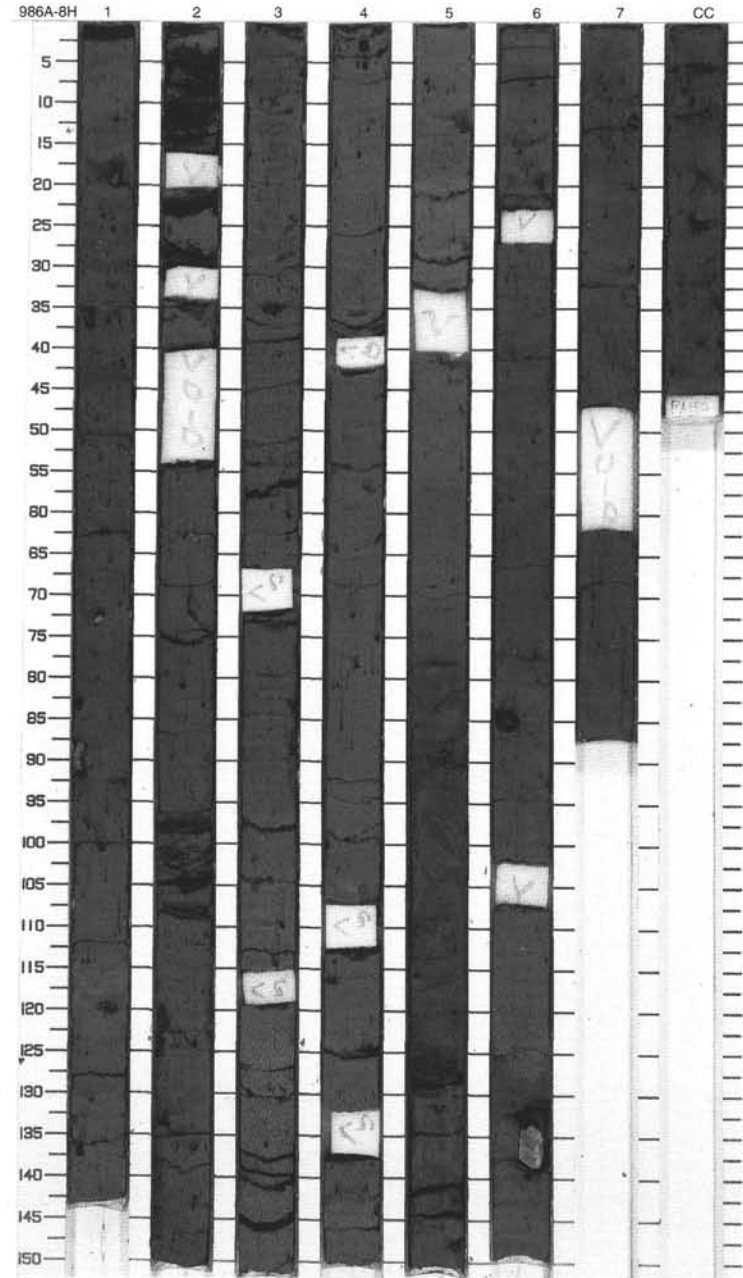
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		[Wavy line]	---		5Y 3/1	SILTY CLAY, CLAY WITH SILT, NANNOFOSSIL CLAYEY MIXED SEDIMENT WITH SILT and SILTY CLAY WITH NANNOFOSSILS
2	[Horizontal dashes]	2		[Wavy line]	W	S	10Y 3/1	<p>General Description: This core contains many small voids due to gas disturbance. The upper part is dominated by terrigenous sediments which are very dark gray (5Y 3/1) CLAY WITH SILT and very dark greenish gray (10 Y 3/1) SILTY CLAY. The SILTY CLAY contains CLAYEY SILT laminae, with little bioturbation. The lower section of the core contains dark greenish gray (5GY 4/1 and 10GY 3/1) NANNOFOSSIL CLAYEY MIXED SEDIMENT WITH SILT underlain by very dark greenish gray (5GY 3/1 and 10GY 3/1) SILTY CLAY WITH NANNOFOSSILS. These latter two lithologies contain abundant mottles attributed to dispersed sulfides. Two dropstones are present in Section 4: at 43 cm, a 1.1-cm-long subangular black siltstone and at 102 cm, a 1.8-cm-long subangular buff-colored, carbonate cemented quartz sandstone. A black layer at Section 5, 132-133 cm consists of opaques which are probably sulfides.</p>
3	[Horizontal dashes]	3		[Wavy line]	W	S		
4	[Horizontal dashes]	4		[Wavy line]	W			
5	[Horizontal dashes]	4		[Wavy line]	W			
6	[Horizontal dashes]	5	Pleistocene	[Wavy line]	W		10GY 3/0 To 5GY 4/1	
7	[Horizontal dashes]	6		[Wavy line]	W	S		
8	[Horizontal dashes]	7		[Wavy line]	W	S		
9	[Horizontal dashes]	8		[Wavy line]	W	S	10GY 3/0 To 5GY 3/1	
10	[Horizontal dashes]	8		[Wavy line]	W	S		
	[Horizontal dashes]	CC		[Wavy line]	---	M		



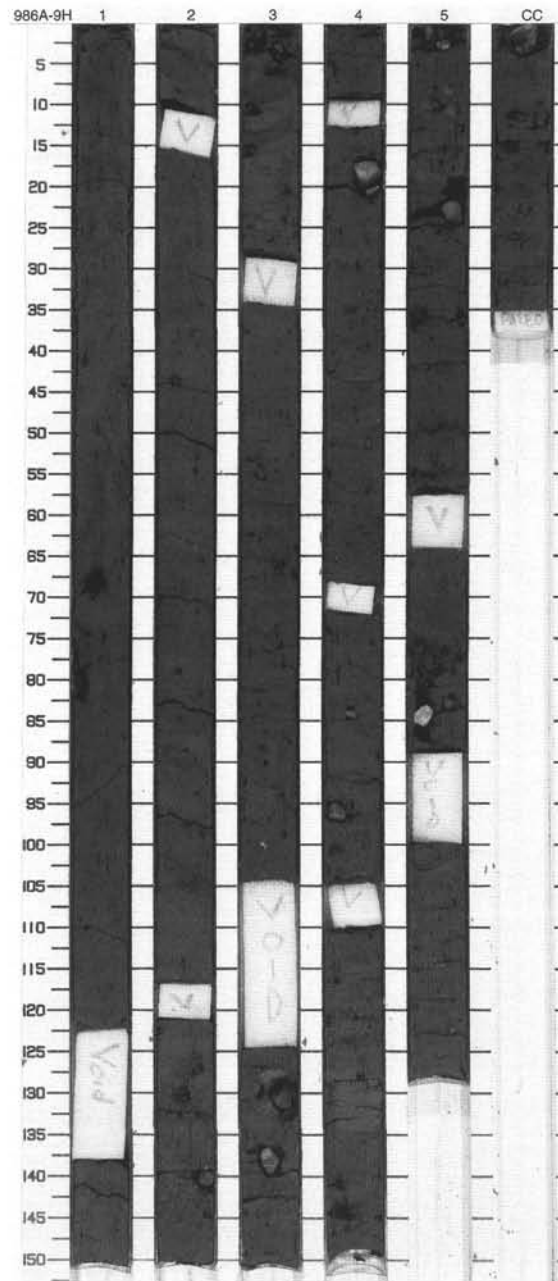
SITE 986 HOLE A CORE 8H

CORED 61.6 - 71.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		◇ ◇ ◇		S	5GY 4/1 To 10Y 4/1	SLITY CLAY, NANNOFOSSIL CLAYEY SILT, CLAY WITH SILT and QUARTZ WITH CLAY General Description: This core contains dark greenish gray to dark greenish gray (5GY 4/1 to 10Y 4/1) SILTY CLAY, dark gray (5Y 4/1) NANNOFOSSIL CLAYEY SILT and very dark gray to very dark greenish gray (5Y 3/1 to 10Y 3/1) CLAY WITH SILT interbedding QUARTZ WITH CLAY at Section 5, 78-131 cm. Color change is subtle and gradational throughout the core. Slight bioturbation occurs at several layers. Section 5, 78-131 cm contains little benthic foraminifers-bearing sandy silt coarse sediment with sharp upper and lower contacts. The sediment contains much black spots throughout the core. The top of Section 2 is moderately disturbed due to coring. The core contains several DROPSTONES and VOID areas which are shown separated.
2	Void	2						
3		3		}		S	5Y 4/1	
4		4		}				
5		5		}				
6		6		}			10GY 4/2	Dropstones: Section 1, 20 cm: 1.7-cm-size angular sedimentary rock; Section 1, 37 cm: 2-cm-size subangular sedimentary rock; Section 1, 73 cm: 1.3-cm-size subangular granite; Section 1, 90 cm: 3.5-cm-size subangular granite; Section 6, 135 cm: 5-cm-size angular sedimentary rock.
7		7				S		Void areas; Section 2, 16-21, 31-35 and 40-54 cm; Section 3, 39-44 cm; Section 5, 34-43 cm; Section 6, 25-29 and 103-107 cm; Section 7, 47-62 cm.
8		8		◇				
9		9		◇		S	5Y 3/1 To 10Y 3/1	
10		CC				M		



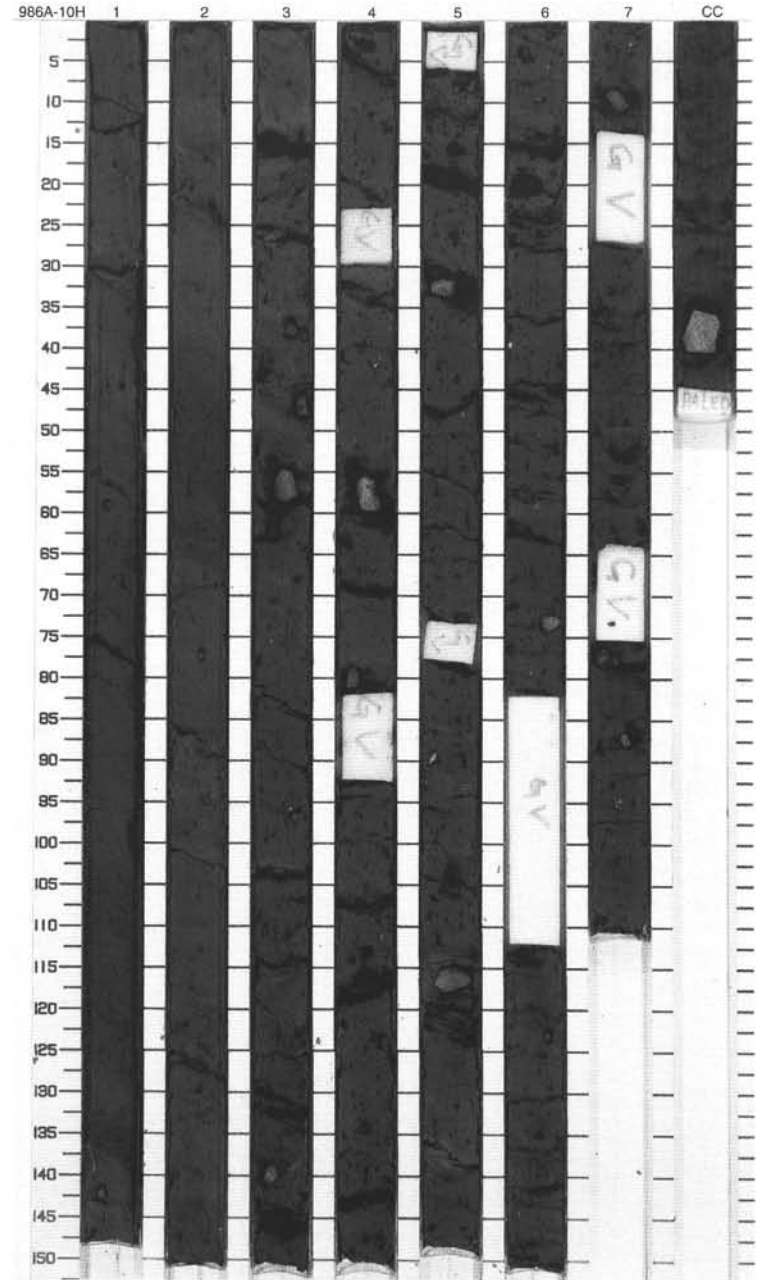
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	<p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p> <p>›</p>	-	-	5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray and very dark gray (5GY 3/1, 10Y 3/1, and 5Y 3/1) SILTY CLAY. The very slight color changes are gradational. Slight bioturbation occur at several layers. The sediment contains several black spots (sulfides) throughout the core. Few mollusc fragments are present in Section 3, 99 cm, Section 4, 65 cm, and in Section 5, 114 and 125 cm. The core contains several dropstones and VOID intervals, which are listed in the following.</p> <p>Dropstones: Section 1: 79 cm, 3.3-cm size subangular siltstone; 67 cm, 2.0-cm size coal fragment. Section 2: 49 cm, 1.1-cm size subrounded siltstone; 138 cm, 2.3-cm size subrounded siltstone. Section 3: 1 cm, 2-cm size flat sedimentary rock; 2 cm, 1.3 cm size subangular metamorphic; 55 cm, 1.4-cm size flat sedimentary rock; 128 cm, 4.2-cm size subangular shist; 137 cm, 3.2-cm size subangular siltstone. Section 4: 3.5 cm size subrounded siltstone; 51 cm, 1.4-cm size shist; 83 cm, 1.3-cm size subrounded siltstone; 95 cm, 2.5-cm size subrounded sedimentary rock; 143 cm, 1.6-cm size subrounded siltstone. Section 5: 0 cm, 3.1-cm size subrounded sedimentary rock; 1 cm, 1.7-cm size metamorphic; 9 cm, 1.1-cm size subangular siltstone; 19 cm, 2.7-cm size subrounded sedimentary; 35 cm, 1.0-cm size sandstone; 77 cm, 2.6-cm size subangular metamorphic rock; 82 cm, 1.4-cm size subangular siltstone; 121 cm, 1.0-cm size subangular siltstone. CC: 1 cm, 4.0-cm size subrounded siltstone.</p> <p>VOID intervals occur in Section 1, 122-138 cm; in Section 2, 10-16 and 117-121 cm; in Section 3, 28-34 and 104-124 cm; in Section 4, 9-12, 68-72, and 105-110 cm; and in Section 5, 57-64 and 89-100 cm.</p>
	Void						10Y 3/1	
2		2					5GY 3/1	
3		3					5Y 3/1	
4	Void							
5		4					5Y 3/1	
6		5					5Y 3/1	
7	Void							
		CC						



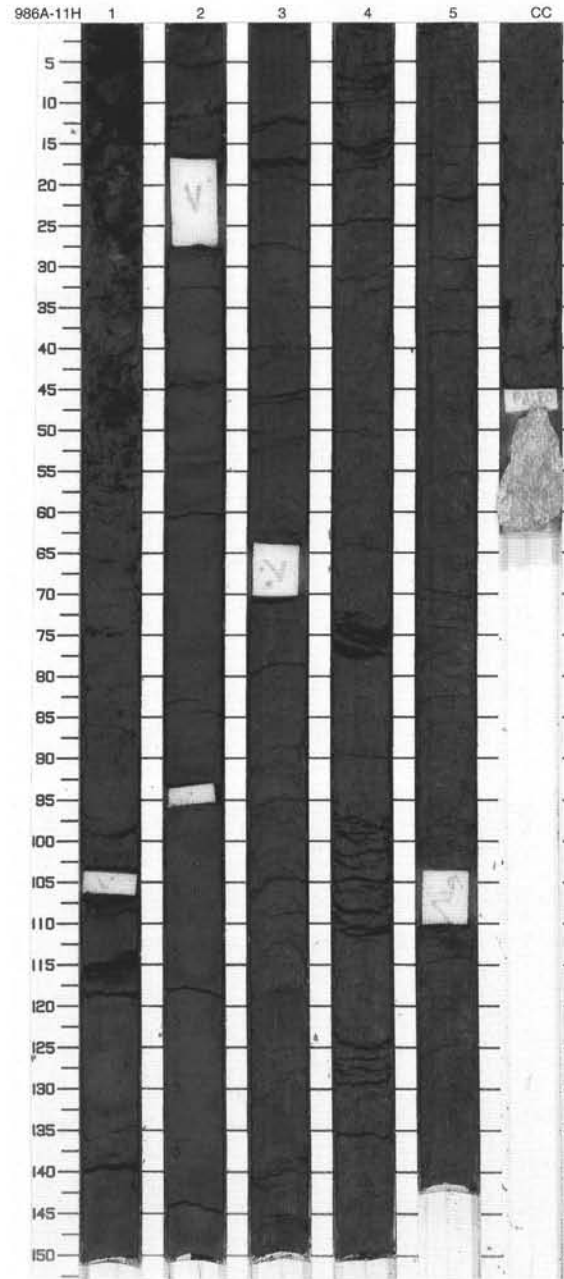
SITE 986 HOLE A CORE 10H

CORED 78.6 - 88.1 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1	◇			10Y 3/1	<p>SILTY CLAY and CLAYEY SILT WITH SAND</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY and very dark greenish gray (5Y 3/1) CLAYEY SILT WITH SAND. The color change occurs in Section 3, 20 cm, and is subtle and gradational. Slight bioturbation occurs throughout, as indicated by small burrows filled with silt and/or sulfides. Shell fragments and dropstones are scattered throughout.</p> <p>Dropstones: Section 1, 60 cm: 1.2-cm black claystone; 142 cm: 1.9-cm dark gray siltstone. Section 2, 75 cm: 1.1-cm dark gray siltstone. Section 3, 36 cm: 2.0-cm dark gray siltstone; 45 cm: 1.9-cm dark gray siltstone; 55 cm: 2.8-cm gray quartzite; 95 cm: 1.1-cm dark gray siltstone. Section 4, 4 cm: 1.1-cm black claystone; 53 cm: 1.9-cm dark gray siltstone; 78 cm: 2.6-cm dark gray siltstone; 115 cm: 4.5-cm light gray metamorphic; 136 cm: 2.6-cm light gray siltstone. Section 5, 30 cm: 3.0-cm light gray quartzite; 102 cm: 1.2-cm dark gray siltstone; 115 cm: 1.3-cm dark gray siltstone. Section 6, 4 cm: 1.2-cm dark gray siltstone; 20 cm: 3.2-cm black shale; 73 cm: 1.5-cm light gray siltstone; 122 cm: 1.0-cm green metamorphic. Section 7, 55 cm: 1.2-cm dark gray siltstone; 76 cm: 2.0-cm dark gray siltstone; 87 cm: 2.0-cm light gray siltstone. Core catcher, 20 cm: 4.5-cm gray sandstone.</p>
2		2	◇		S		
3		3	◇				
4		3	◇				
5	Void	4	◇				
5	Void	4	◇				
6		5	◇				
7		5	◇		5Y 3/1		
8		6	◇		S		
8	Void	6	◇				
9		7	◇				
9	Void	7	◇				
10		7	◇				
10	Void	7	◇				
10		CC	◇		M		



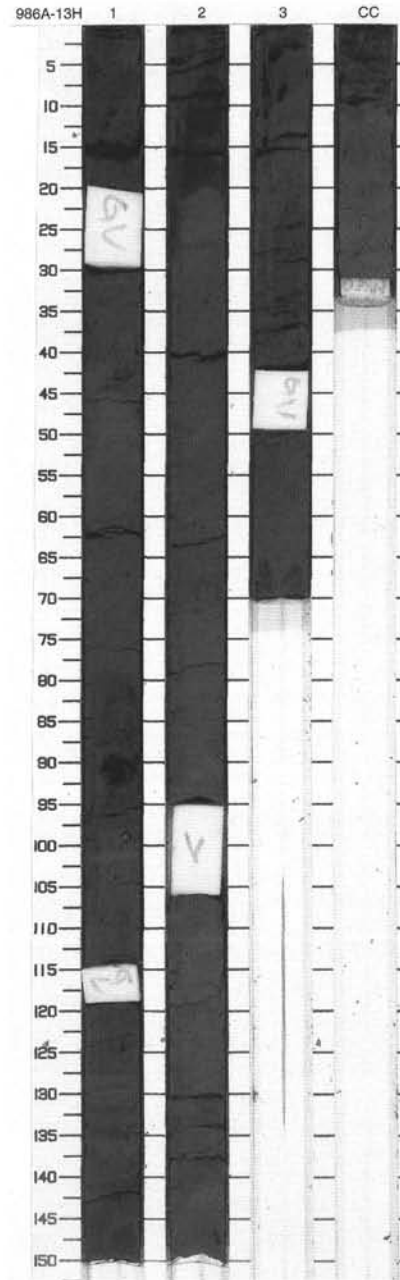
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene					<p>CLAY WITH SILT and SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) CLAY WITH SILT and SILTY CLAY. Below Section 3, 30 cm the sediment contains numerous dark gray pods which contains silty sediment (> 50% quartz). Section 1, 0–50 cm and the lower part of Section 4 are slightly disturbed due to coring. No color changes occur throughout. The Core Catcher contains a big dropstone (16.5-cm-size subangular amphibolite shist). Void intervals are present in Section 1, 103–107 cm, Section 2, 17–28 cm, Section 3, 64–71 cm, and Section 5, 104–111 cm. The sediment is homogeneous throughout and no bioturbation is present.</p>
2	[Dotted pattern]	2		S				
3	[Dotted pattern]	3		10Y 3/1				
4	[Horizontal line pattern]	4		S				
5	[Horizontal line pattern]	5						
6	[Horizontal line pattern]	CC						
7	[Horizontal line pattern]							
8	[Horizontal line pattern]			M				



SITE 986 HOLE A CORE 13H

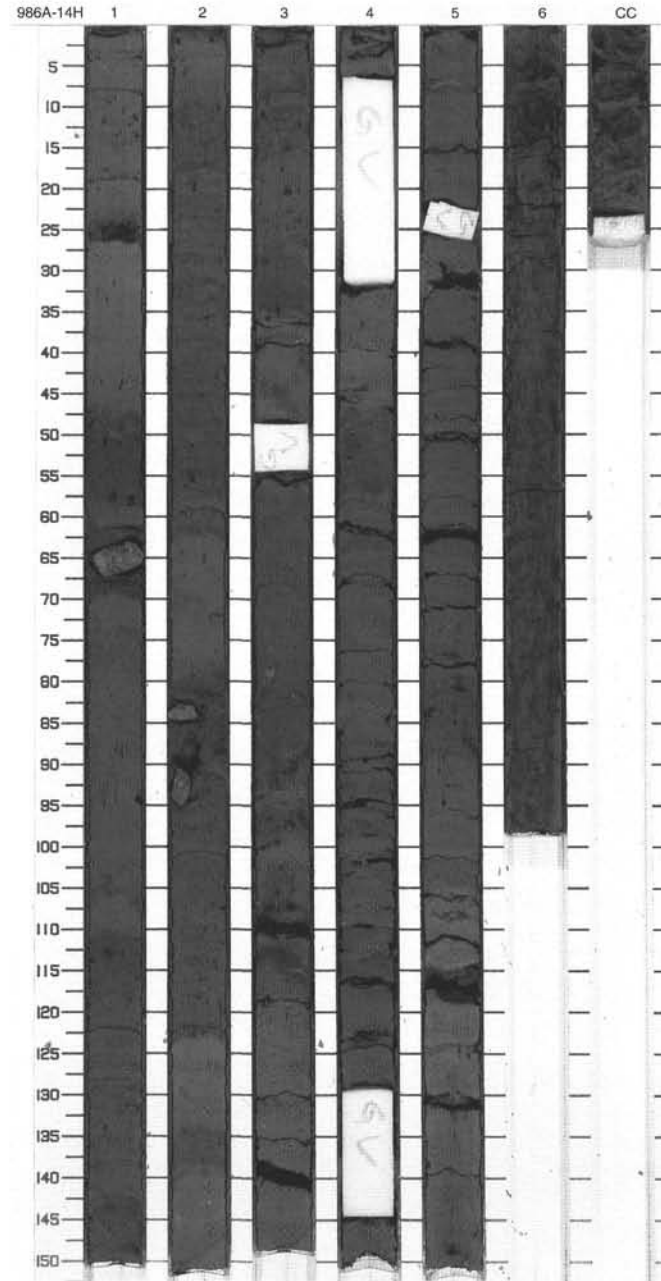
CORED 101.6 - 105.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Lithology: horizontal dashes]	1	Pleistocene	- - P		S	10Y 3/1	<p>SILTY CLAY and CLAY WITH SILT</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY and dark greenish gray (5GY 3/1) CLAY WITH SILT. Color changes are gradational throughout. Section 1, 84-90 cm contains several light spots. Slight bioturbation occur at several layers. Black spots (probably disseminated pyrite) are scattered throughout. The core contains void intervals in Section 1, 20-30 and 114-120 cm, Section 2, 96-107 cm, and in Section 3, 43-51 cm.</p>
	[Lithology: horizontal dashes]			- - P		S		
2	[Lithology: horizontal dashes]	2		- - P		S	5GY 3/1	
	[Lithology: horizontal dashes]			- - P		S		
3	[Lithology: horizontal dashes]	3		- - P		S	10Y 3/1	
	[Lithology: horizontal dashes]			- - P		S		
4	[Lithology: horizontal dashes]	CC				M		



SITE 986 HOLE A CORE 14H CORED 105.6 - 113.9 mbsf

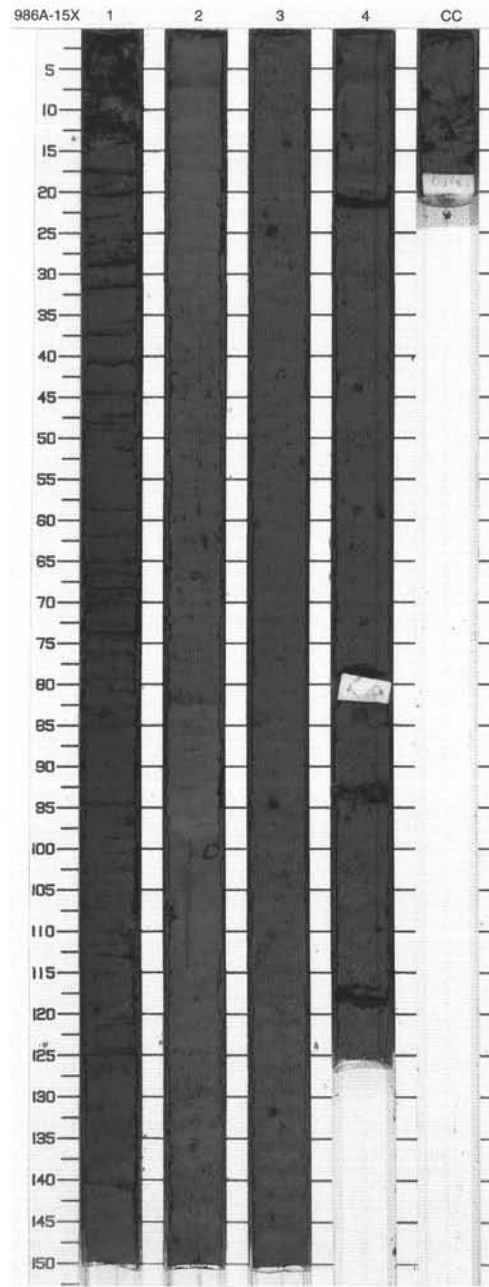
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	} } } } } } }	◆ ◇ ◇ ◇ ◇ ◇ ◇	S	10Y 4/1	CLAY WITH SILT AND ASH and SILTY CLAY General Description: This core contains very dark greenish gray (10Y 3/1) to dark greenish gray (10Y 4/1) SILTY CLAY and dark greenish gray (10Y 4/1) CLAY WITH SILT AND ASH. Inorganic calcite is a variable minor component in the SILTY CLAY, and the sediment within a slightly lighter interval in Section 2 consists of SILTY CLAY WITH INORGANIC CALCITE. All color changes are gradational. Bioturbation is evident in filled burrows and limited color mottling. Sulfides, mud clasts, and dropstones occur throughout. All occurrences larger than 1 cm are indicated graphically. Section 6 and the Core Catcher may be disturbed by flow-in, as they contain silty sediment interspersed vertically with finer sediment. Dropstones: Section 1, 65 cm: 6.0-cm light gray siltstone. Section 2, 83 cm: 3.6-cm gray siltstone; 94 cm: 4.3-cm pyrite replacement.
2	[Hatched pattern]	2					10Y 3/1	
3	[Hatched pattern]	3					10Y 4/1	
4	[Hatched pattern]	4					10Y 3/1	
5	[Hatched pattern]	5					10Y 4/1	
6	[Hatched pattern]	6					10Y 3/1	
7	[Hatched pattern]	7					10Y 4/1	
8	[Hatched pattern]	8						
	[Hatched pattern]	CC						



SITE 986 HOLE A CORE 15X

CORED 113.9 - 119.3 mbsf

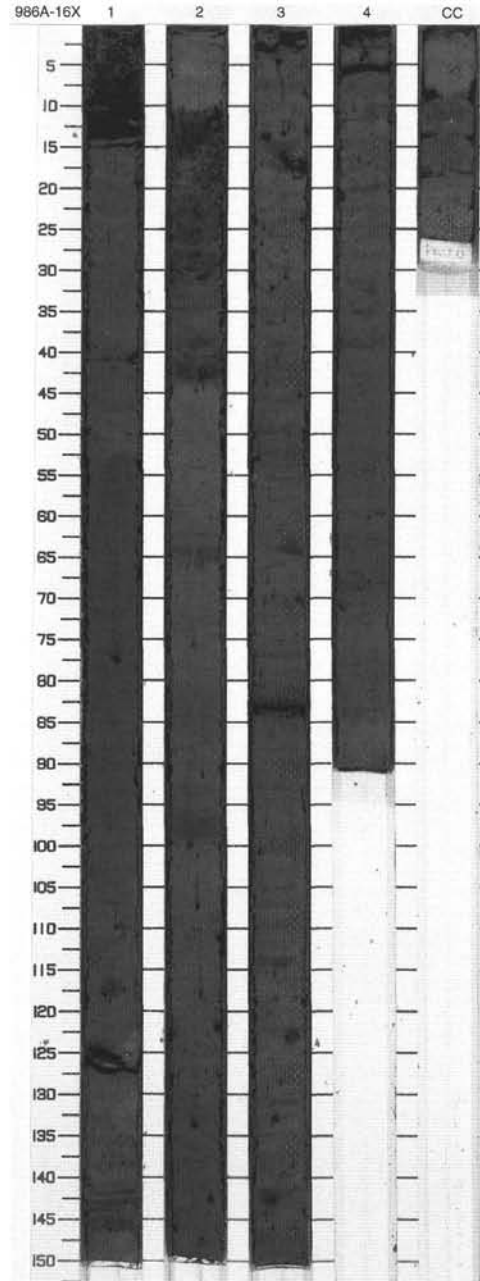
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	P	W		5Y 3/1	<p>CLAY WITH SILT and SILTY CLAY</p> <p>General Description: This core contains very dark gray (5Y 3/1, 5GY 4/1) CLAY WITH SILT and very dark gray (5G 3/1, 5G 2.5/1) SILTY CLAY. Color changes are subtle and gradational throughout. Numerous black spots (probably disseminated pyrite) are present throughout the core. Section 1, 0-50 cm is moderately to highly disturbed due to coring. Isolated mud clasts occur in Section 2, 100 cm and in Section 3, 109-111 cm. The core contains a void interval in Section 4, 78-82 cm.</p>
2	[Dotted pattern]	2		P	S		5GY 4/1	
3	[Dotted pattern]	3		P	S			
4	[Dotted pattern]	4		P	S			
5	[Dotted pattern]	4		P			5G 3/1 To 5G 2.5/1	
6	[Dotted pattern]	CC						



SITE 986 HOLE A CORE 16X

CORED 119.3 - 128.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	} P	w	S	5GY 4/1	<p>CLAY WITH SILT and SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) to very dark gray (2.5Y 3/1) CLAY WITH SILT and dark greenish gray (5GY 4/1) SLITY CLAY. The slight color changes are gradational. Slight bioturbation and several black spots (sulfides) occur throughout the core. Very slight disturbances due to gas and dropstones are present. Several dropstones are present: Section 1, 126 cm: 5.0-cm size flat sedimentary rock. Section 2, 11 cm: 1.3-cm size dark gray subrounded siltstone; 42 cm: 1.2-cm size gray subrounded sedimentary rock. Section 3, 16 cm: 1.5-cm size metamorphic rock. The uppermost 15 cm of the core are highly disturbed due to drilling.</p>
2	[Horizontal dashed pattern]	2		} P		S	2.5Y 3/2	
3	[Horizontal dashed pattern]	3		} P		S	5GY 4/1	
4	[Horizontal dashed pattern]	3		} P				
5	[Horizontal dashed pattern]	4		} P				
	[Horizontal dashed pattern]	4		} P				
	[Horizontal dashed pattern]	4		} P				
	[Horizontal dashed pattern]	4		} P				
	[Horizontal dashed pattern]	4		} P				
	[Horizontal dashed pattern]	4		} P				
	[Horizontal dashed pattern]	CC			M			

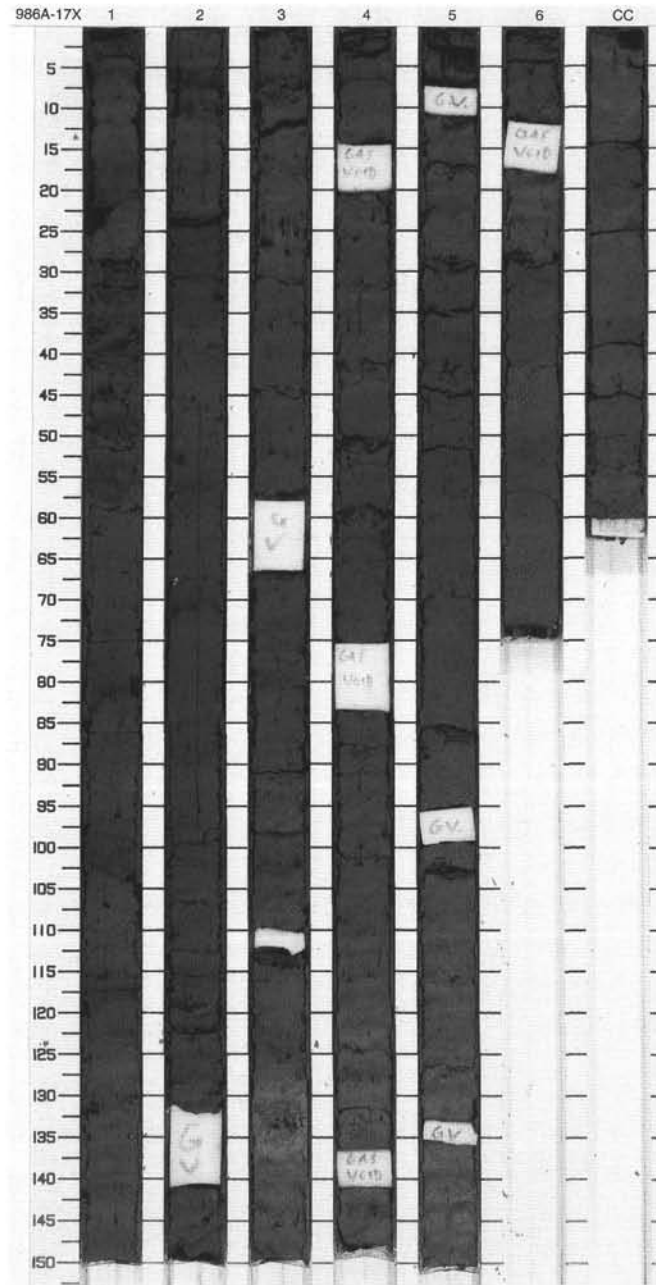


SITE 986 HOLE A CORE 17X

CORED 128.9 - 138.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lithology: Hatched patterns for silty clay, wavy lines for structure, and a diamond for dropstone]	1	Pleistocene	[Structure symbols]	[Disturb symbols]	S	10Y 4/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1), dark greenish gray (10Y 4/1), dark gray (5Y 4/1), and gray (5Y 5/1) SILTY CLAY. Sediment is firm, homogeneous, and slightly bioturbated throughout the core. Several black spots of disseminated sulfides occur throughout the entire core. Sandy layers are present in Section 1, 40-42 and 103-104 cm and in Section 2, 99-100 cm. A lighter SILTY CLAY layer is situated in Section 3, 127-140 cm. Gas voids are present in Section 2, 132-141 cm, in Section 3, 57-66 and 110-113 cm, in Section 4, 14-20, 75-84, and 136-141 cm, in Section 5, 7-11, 95-100, and 133-135 cm, and in Section 6, 12-17 cm.</p> <p>Dropstone: Section 5, 103 cm: 1-cm-long brown rounded siltstone.</p>
2		S				10Y 3/1		
3		S				5GY 4/1		
4		S				10Y 5/1		
5		S				5GY 4/1		
6		S				5GY 4/1		
7		S				5GY 4/1		
8		M				5Y 4/1		

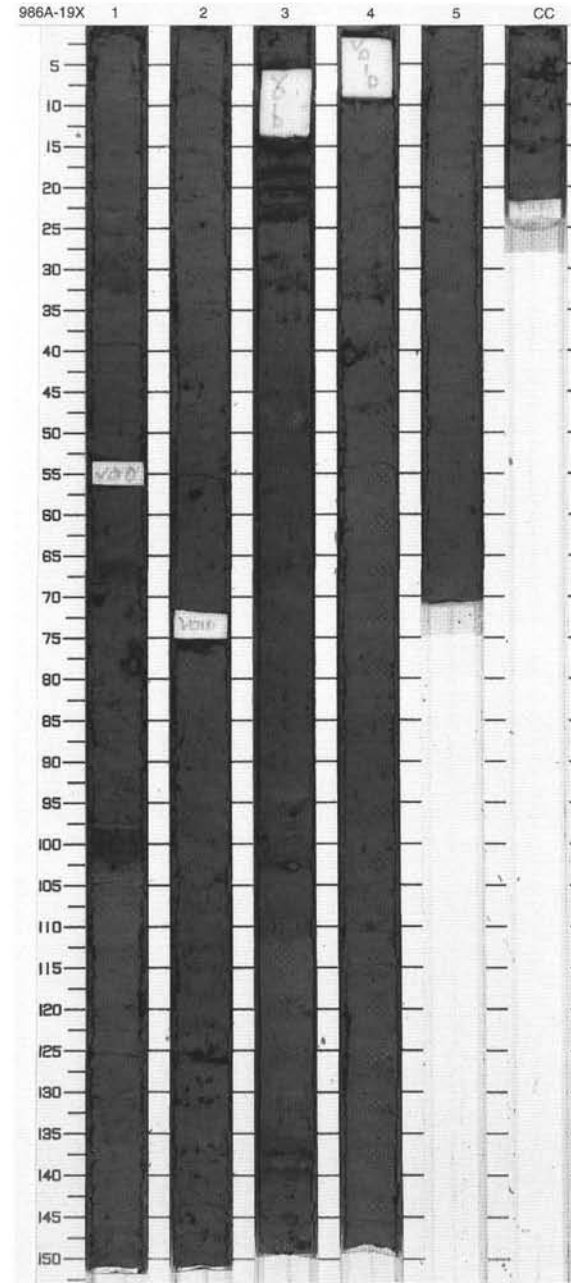
986A-18X NO RECOVERY



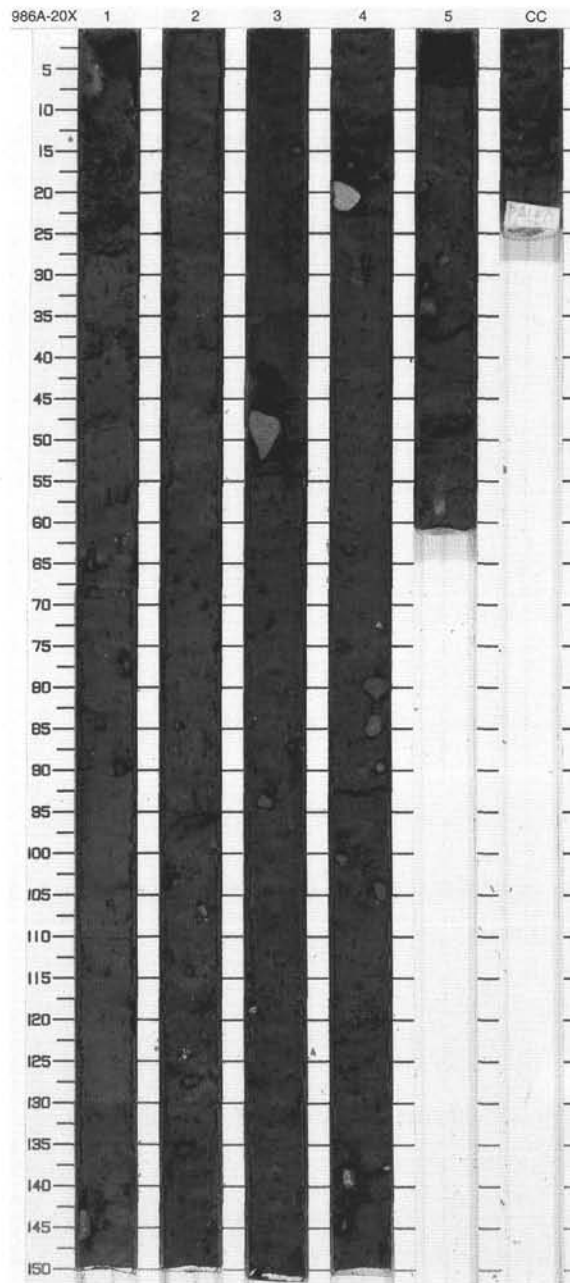
SITE 986 HOLE A CORE 19X

CORED 148.1 - 157.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	[Wavy line]	[Dashed line]	S	5GY 4/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) and dark greenish gray (10Y 4/1) SILTY CLAY. A lighter CALCAREOUS SILT WITH CLAY layer is present in Section 1, 102 cm. Dark SILTY SAND WITH CLAY layers are interbedded with SILTY CLAY in Section 3, 14–25 cm. Sediment is slightly to moderately bioturbated. Color changes are gradational. Disseminated sulfides are scattered throughout the core, especially in Section 2, 120–150 cm. A pyrite concretion is present in Section 1, 70 cm. Core is slightly disturbed throughout due to gas and dropstone. Gas voids are present in Section 1, 53–56 cm, in Section 2, 71–75 cm, in Section 3, 5–14 cm and in Section 4, 1–9 cm.</p> <p>Dropstones: Section 1, 77–79 cm: 2.1-cm-long subangular brown siltstone. Section 3, 103 cm: 1.4-cm-long sandstone. Section 4, 39–41 cm: 2.3-cm-long dark layered sandstone. Core Catcher, 5–6 cm: 1.8-cm-long dark schiste and 1 cm-long schiste.</p>
2	[Horizontal dashed lines]	2		[Wavy line]	[Dashed line]	S	5GY 3/1	
3	[Dotted pattern]	3		[Wavy line]	[Dashed line]	S	10Y 3/1	
4	[Horizontal dashed lines]	4		[Wavy line]	[Dashed line]	S	5GY 3/1	
5	[Horizontal dashed lines]	4		[Wavy line]	[Dashed line]	S	5GY 4/1	
6	[Horizontal dashed lines]	5		[Wavy line]	[Dashed line]	S	5GY 4/1	
		CC				M		



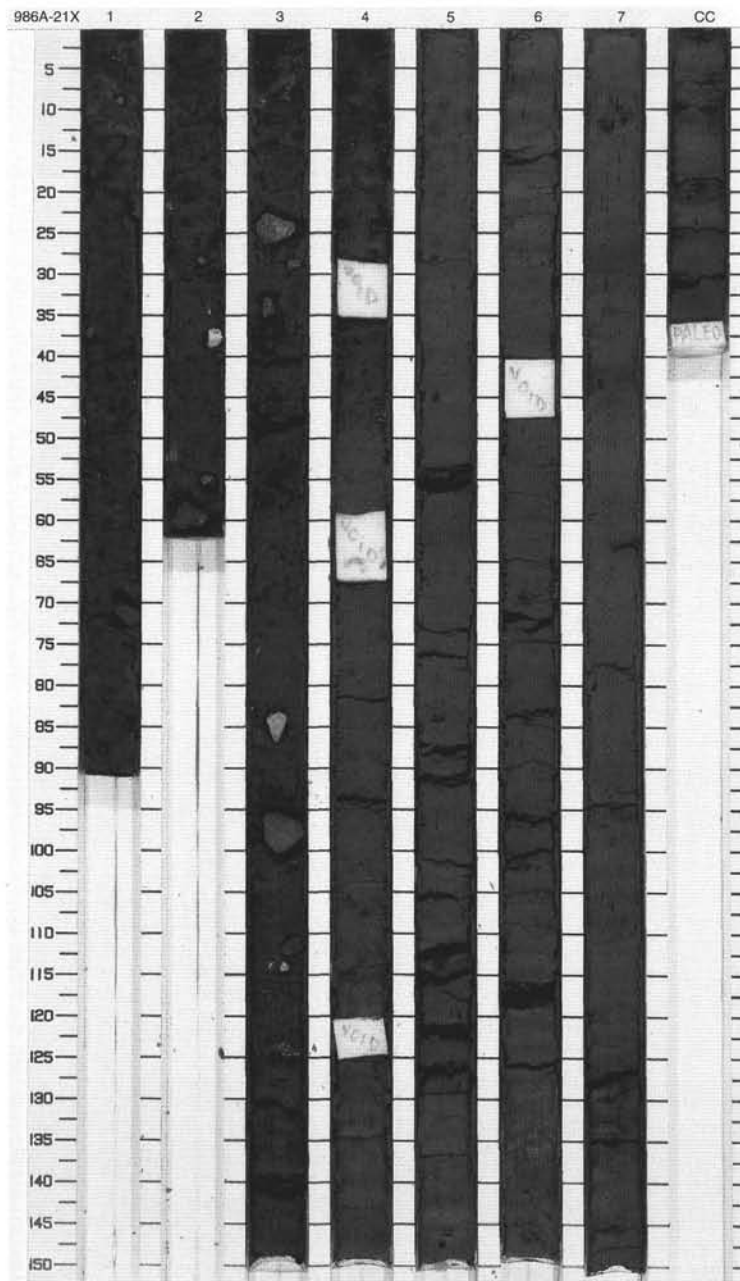
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Wavy line]	○	S	5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) and very dark gray (5Y 3/1) SILTY CLAY. The core is slightly to very disturbed due to several dropstone. Shell fragments are present in Section 1, 38 and 62 cm, in Section 2, 34, 126, and 145 cm, in Section 3, 118 cm and in Section 4, 72 cm. Mud clasts: Section 3, 35 cm and Section 4, 30 cm. Pyrite concretions: Section 1, 93 cm and Section 2, 135 cm.</p> <p>Dropstones: Section 1, 65–66 cm: 1.1 cm subgr. sandstone; 69–70 cm: 1.4-cm subang. layered sandstone; 70 cm: 1-cm subang. light gray metamorphic rock; 77–78 cm: 2-cm ang. metamorphic rock; 89–90 cm: 1.2-cm subang. quartzic and chloritic metamorphic rock; 145–148 cm: 3.7-cm gray subgr. sandstone; 145 cm: 1.4-cm r. sandstone; Section 2, 32–33 cm: 2-cm r. sedimentary rock; 84–85 cm: 1-cm subgr. metamorphic rock; 101–102 cm: 1.2-cm ang. obsidiane; 106–107 cm: 1.3-cm subang. quartz-rich metamorphic rock; 113–114 cm: 1.1-cm subgr. sandstone; 121–122 cm: 1.3-cm subgr. sandstone; 126–127 cm: 1.4-cm subang. sedimentary rock. Section 3, 14–15 cm: 1.1-cm subang. sandstone; 46–51 cm: 6-cm subang. sandstone; 86–87 cm: 1-cm subang. layered sedimentary rock; 93–94 cm: 2-cm subgr. sandstone. Section 4, 15–16 cm: 1.2-cm subgr. sandstone; 18–22 cm: 3.6-cm subgr. sandstone; 78–80 cm: 2.6-cm subang. claystone; 83–85 cm: 2.4-cm subang. sed. rock; 89–90 cm: 1.2-cm subang. gneiss; 100–101 cm: 1.6-cm subgr. sandstone; 103–104 cm: 2-cm subang. sandstone; 136–137 cm: 1.3-cm light gray layered sedimentary rock; 139–141 cm: 2.2-cm ang. sandstone; 141–142 cm: 1.5-cm ang. black metamorphic rock.</p>
2	[Hatched pattern]	2		[Wavy line]	○	S	5Y 3/1	
3	[Hatched pattern]	3		[Wavy line]	○	S	5Y 3/1	
4	[Hatched pattern]	4		[Wavy line]	○	S	5Y 3/1	
5	[Hatched pattern]	5		[Wavy line]	○	S	5Y 3/1	
6	[Hatched pattern]	6		[Wavy line]	○	S	5Y 3/1	
CC		CC				M		



SITE 986 HOLE A CORE 21X

CORED 167.5 - 177.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	X	◇	S	5Y 3/1	SILTY CLAY General Description: This core contains very dark greenish gray (5GY 3/1) and very dark gray (5Y 3/1) SILTY CLAY. Sediment is firm, homogeneous, and slightly bioturbated throughout the entire core. Color changes are gradational. The core is slightly disturbed due to dropstones in Sections 1-3 and to gas in Sections 4-7. Voids are present in Section 4, 28-35, 59-67, and 120-125 cm, in Section 6, 40-48 cm. Shell fragments are present in Section 1, 57, and 60 cm, in Section 2, 21 cm, 34 cm, in Section 3, 76, 113, and 123 cm, in Section 4, 47 cm. Mud clasts are present in Section 5, 30 cm and in Section 7, 12 cm.
2		2						
3		3						
4		4						
5		5						
6		6						
7		7						
8				◆		S	5GY 3/1	Dropstones: Section 1, 8-9 cm: 1-cm-long subangular sandstone; 13-14 cm: 2.6 cm-long subrounded weathered sandstone; 36-37 cm: 1.1-cm-long subrounded sandstone; 70-73 cm: 4-cm-long subrounded sandstone; 87-88 cm: 1.2 cm subangular sandstone. Section 2, 27-28 cm: 1-cm-long dark sandstone; 36-38 cm: 1.9-cm-long quartzitic and chloritic metamorphic rock; 54-55 cm: 2-cm-long black shale; 57-61 cm: 4.3-cm-long subangular sandstone.
9				◆		S		Section 3, 21-25 cm: 4.5-cm-long subangular sandstone; 28-29 cm: 1.4-cm-long subangular sedimentary rock; 37-38 cm: 2.1-cm-long diorite; 84-86 cm: 3.3-cm-long subangular flat layered sedimentary rock; 96-100 cm: 5.3-cm-long subrounded sedimentary rock; 110-112 cm: 2.8-cm-long subangular weathered sedimentary rock; 114-115 cm: 1.4-cm-long subrounded gneiss.
		CC				M		



SITE 986 HOLE A CORE 22X

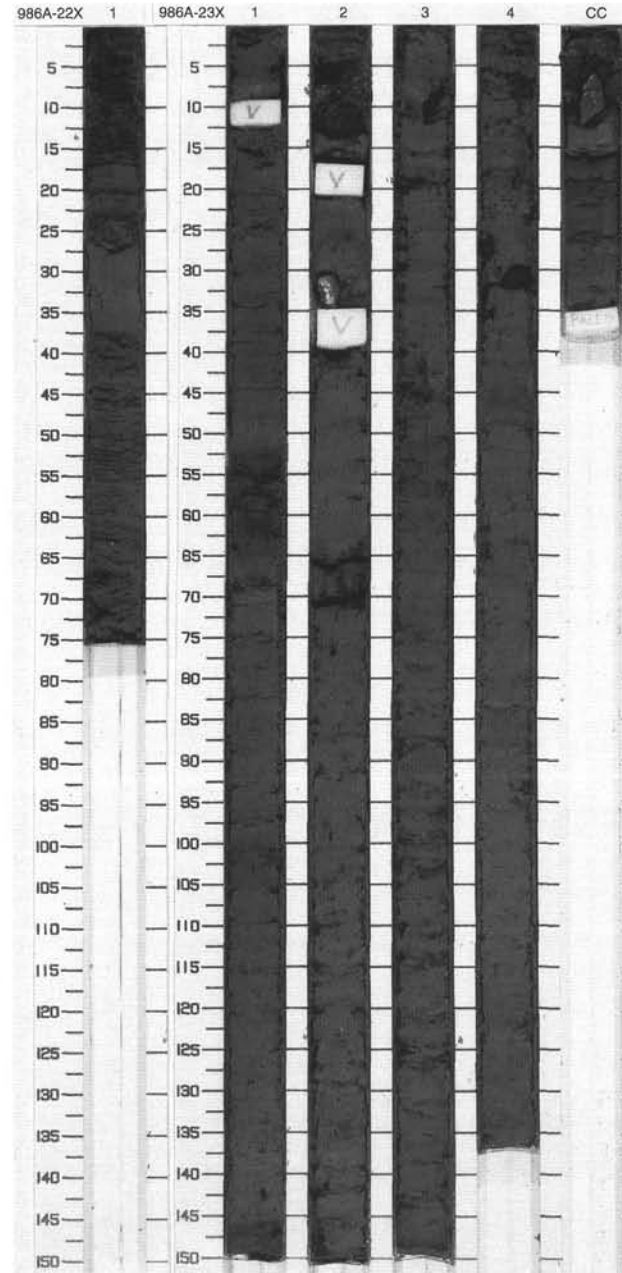
CORED 177.2 - 186.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	↑		---	S M	5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) SILTY CLAY. Sediment is firm and homogeneous. Slight bioturbation occurs throughout. The core is moderately disturbed due to coring. A finer interval occurs in Section 1, 17-38 cm.</p>
			Pleistocene					

SITE 986 HOLE A CORE 23X

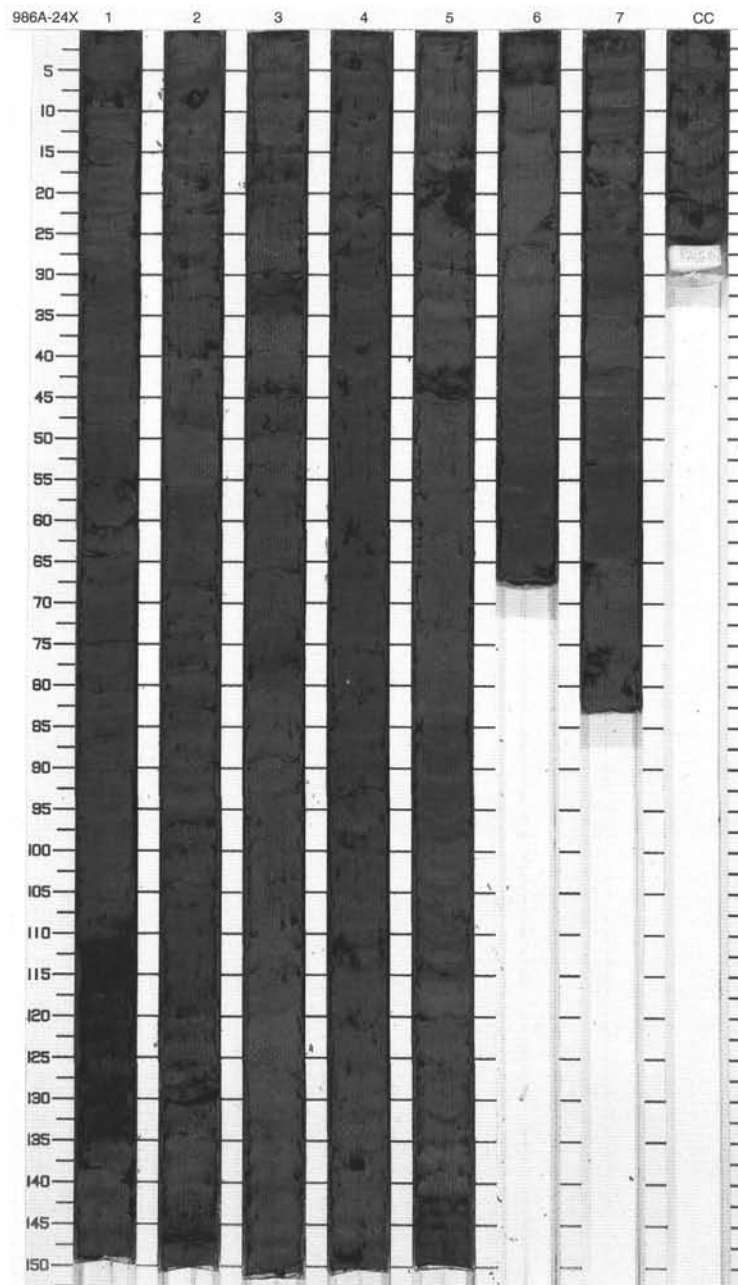
CORED 186.8 - 196.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1		1	Pleistocene		O O O O	S	10Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1), dark greenish gray (10Y 4/1 and 5GY 4/1), and dark gray (5Y 4/1) SILTY CLAY. Sandy layers with a sharp lower contact and a gradual upper one, are present in Section 1, 52-55 and 145-150 cm, in Section 4, 44-48 cm. A sand pocket is present in Section 2, 62 cm. Sulfide-rich intervals are situated in Section 2, 75-110 cm and in Section 4, 50-150 cm.</p> <p>Dropstones: Section 2, 32-34 cm: 5-cm-long rounded pink quartz. Section 3, 9-10 cm: 2-cm-long black shale. Section 4, 26-27 cm: 3-cm-long black shale; 29-31, black shale. Core Catcher, 1 cm: 6-cm-long dark angular metamorphic rock.</p>	
				5GY 4/1					
				5Y 4/1					
2		2				S	S		10Y 4/1
3		3				◇			
4		4				◇			
5		4		◇	S	M			
6		CC		◇					



SITE 986 HOLE A CORE 24X CORED 196.4 - 206.0 mbsf

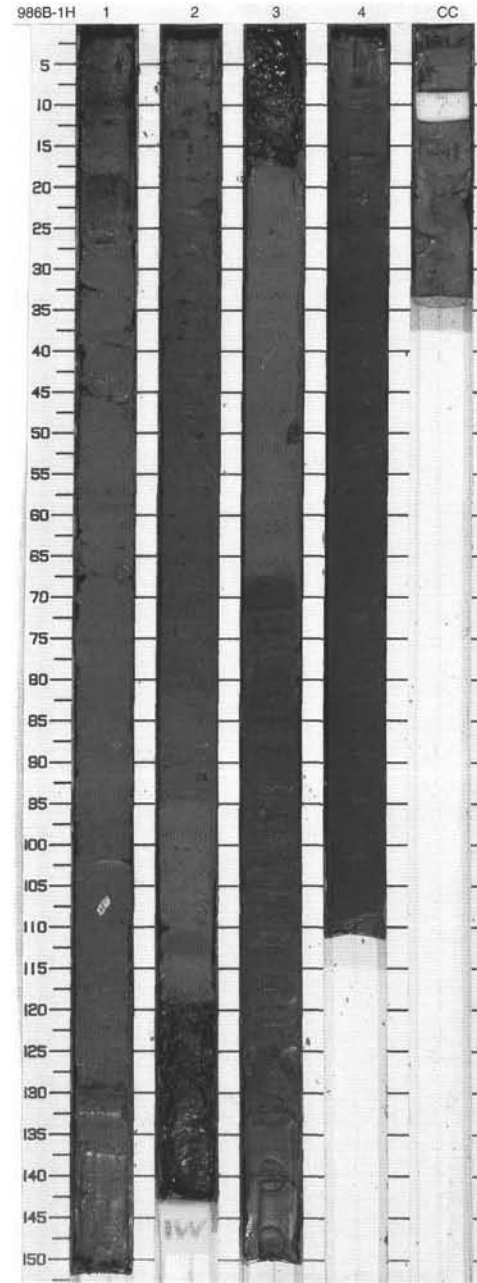
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	[Wavy line]	[Wavy line]	S	5Y 3/1	<p>SILTY CLAY and CLAY WITH SILT</p> <p>General Description: This core contains very dark gray (5YR 3/1 and 5Y 3/1) CLAY WITH SILT, dark greenish gray (5GY 4/1) and dark gray (5Y 4/1) SILTY CLAY. Sediment is firm and homogeneous. A turbiditic SANDY layer is situated in Section 1, 110–135 cm. Slight bioturbation occurs throughout the entire core. A sulfide concretion is present in Section 4, and disseminated sulfides are scattered in Sections 1–5. Thin sandy layers are present in Section 2, 146–150 cm and in Section 5, 41–44 cm.</p> <p>Dropstones: Section 2, 8–9 cm: 1.7-cm-long dark subrounded sandstone Section 5, 20–22 cm: 3.4-cm-long subangular dark quartz-rich sandstone.</p>
1	[Dotted pattern]	1					5YR 3/1	
2	[Horizontal line pattern]	2					[Wavy line]	
3	[Horizontal line pattern]	3					[Wavy line]	
4	[Horizontal line pattern]	4					[Wavy line]	
5	[Horizontal line pattern]	5					[Wavy line]	
6	[Horizontal line pattern]	6					[Wavy line]	
7	[Dotted pattern]	7	[Wavy line]	S	5Y 4/1 To 5Y 4/1			
CC	[Dotted pattern]	CC		[Wavy line]		M	5Y 3/1	



SITE 986 HOLE B CORE 1H

CORED 0.0 - 6.0 mbsf

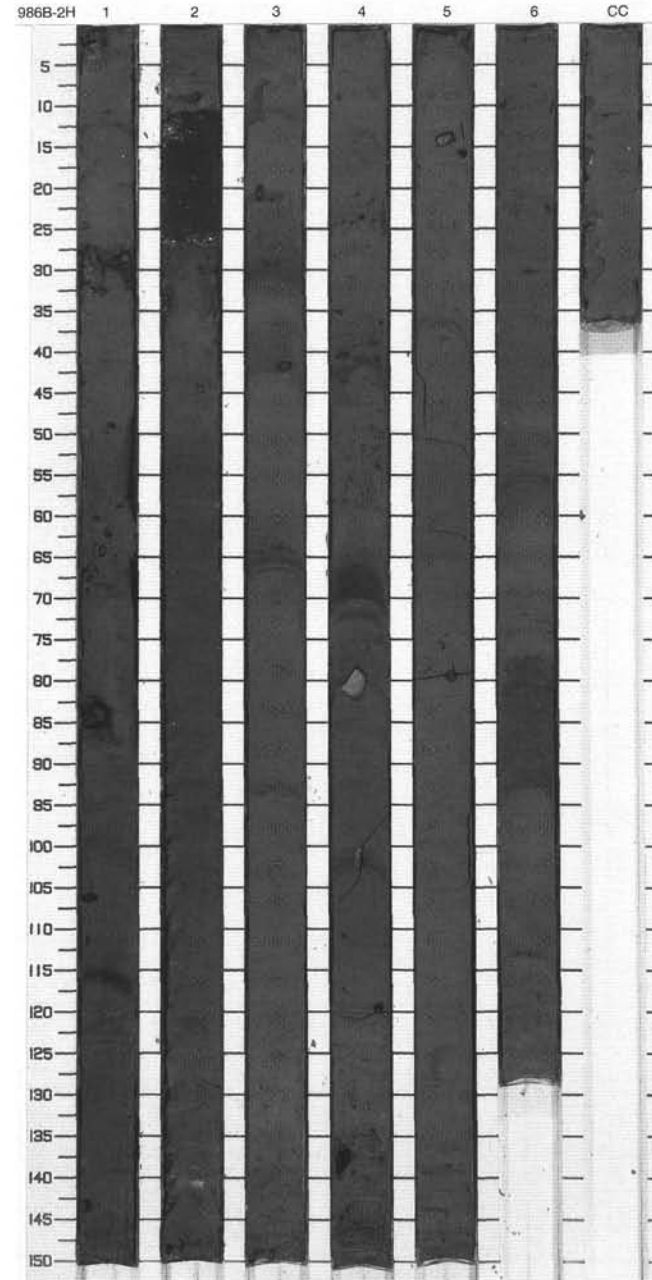
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3 4 5	[Lithological symbols: horizontal dashes, dots, and wavy lines]	1 2 3 4 CC	Pleistocene	[Structure symbols: wavy lines, horizontal dashes, and dots]	[Disturb symbols: vertical lines and asterisks]	S	7.5YR 4/2	<p>SILTY CLAY</p> <p>General Description: This core contains brown (7.5YR 4/2) SILTY CLAY WITH NANNOFOSSILS, dark gray (10YR 4/1), very dark gray (5YR 3/1), and dark gray (5YR 4/1) SILTY CLAY. Thin brown (7.5YR 4/2) clay with silt layers are interbedded in Section 1, 50–75 cm. A moist reddish brown (5 YR 4/3) to very dark gray (5Y 3/1) SAND QUARTZ WITH SILT turbidite with a sharp lower contact and a gradual upper one, is present from Section 2, 120 cm to Section 3, 16 cm. Sediment is soft, sticky, and moist. Thin clayey layers are present in Section 1, 125–130 cm. A sand pocket is present in Section 3, 48–50 cm.</p>
						S	10YR 4/1	
						S	5YR 3/1	
						S	10YR 5/2	
						I	5Y 3/1	
						I	5YR 4/1	
							5YR 3/1	
						M	10YR 4/1	



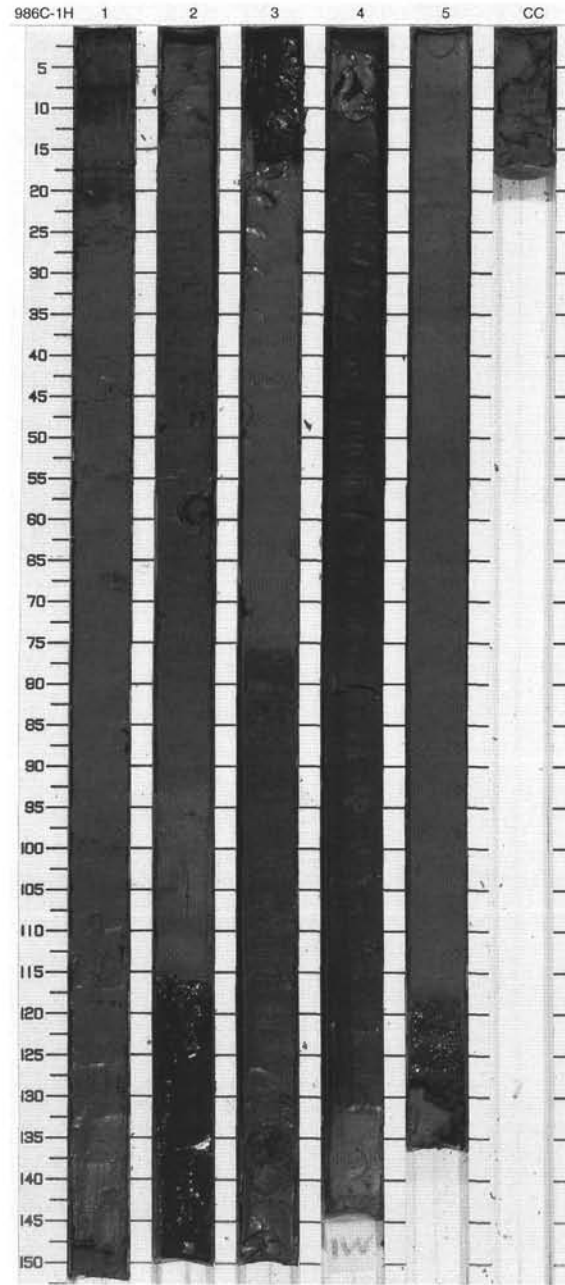
SITE 986 HOLE B CORE 2H

CORED 6.0 - 15.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		◇	----		5Y 3/1	SILTY CLAY General Description: This core contains very dark gray (5Y 3/1, 5R 3/1 and 5YR 3/1) and dark gray (5Y 4/1, 5R 4/1 and 5YR 4/1) SILTY CLAY. Sediment is soft, sticky with many color changes including small yellow-orange color bands. A coarse sand with silt layer is present in Section 2, 11-27 cm. Bioturbation is more common in Sections 3 to CC and consists of poorly defined burrow traces and silt filled burrows. Silt laminae are present in Section 6, 50-60 cm.
2		2		◇	----		5YR 4/1	
3		3		◇	----		5R 3/1	
4		3	Pleistocene	◇	----	S	5Y 3/1	Dropstones: Section 1, 28 cm: 1.0-cm-long yellow fossiliferous mudstone.
5		4		◇	----		5Y 4/1	Section 1, 48 cm: 1.0-cm-long angular layered sandstone. Section 1, 64 cm: 1.4-cm-long subrounded black mudstone. Section 1, 82 cm: 3.0-cm-long subangular black-gray sandstone. Section 1, 105 cm: 1.4-cm-long rounded black mudstone.
6		5		◇	----		10Y 3/1 To 5YR 4/1	Section 2, 41 cm: 1.3-cm-long subrounded gray layered mudstone.
7		5		◇	----	S	5Y 4/1 To 5YR 4/1	Section 3, 43 cm: 1.3-cm-long rounded brown flat mudstone. Section 4, 41 cm: 1.0-cm-long subangular igneous crystalline.
8		6		◇	----		5R 4/1	Section 4, 79 cm: 3.1-cm-long angular gray flat siltstone.
9		6		◇	----		5YR 4/1 To 5R 4/1	Section 4, 138 cm: 2.2-cm-long angular black fine-grained siltstone Section 5, 13 cm: 2.2-cm-long subrounded igneous crystalline. Section 5, 78 cm: 1.5-cm-long fossiliferous dark brown rounded mudstone.
		CC			----	M		

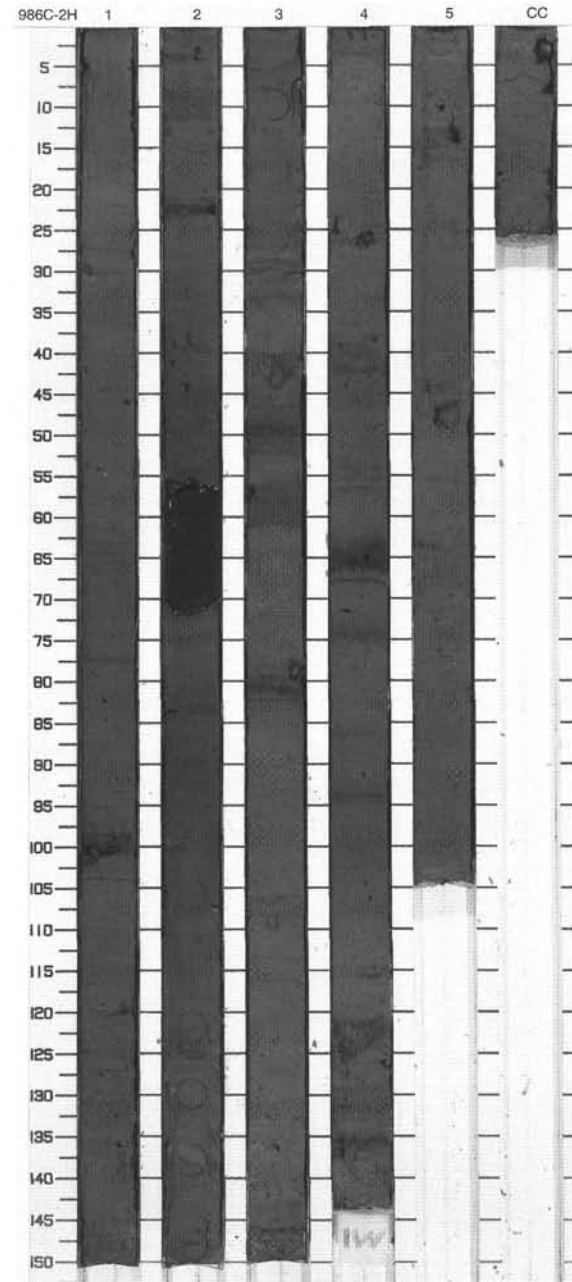


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0-1	[Hatched pattern]	1	Pleistocene	[Wavy line]	[Vertical dashed line]	S	7.5YR 4/2	<p>SILTY CLAY</p> <p>General Description: This core contains brown (7.5YR 4/2) SILTY CLAY WITH NANNOFOSSILS and dark gray (10YR 4/1), very dark gray (5YR 3/1 and 5R 3/1), and grayish brown (10YR 5/2) SILTY CLAY. Thin brown (7.5YR 4/2) CLAY WITH SILT layers are interbedded in Section 1, 55-75 cm. A moist reddish brown (5YR 4/3) to very dark gray (5Y 3/1) SAND WITH SILT layer is present from Section 2, 115 cm to Section 3, 16 cm. A SAND WITH SILT interval is situated in Section 5, 118-130 cm. Sediment is soft, moist, and sticky. Slight bioturbation occurs throughout the entire core. Yellowish and dark color bands occur in Section 5. A 2.5-cm-long dark rounded sandstone is present in Section 1, 57 cm. The core is slightly disturbed due to splitting.</p>
1-2	[Hatched pattern]	2				S	10YR 4/1	
2-3	[Hatched pattern]	3				S	5YR 3/1	
3-4	[Dotted pattern]	4				S	10YR 5/2	
4-5	[Hatched pattern]	5				I	5Y 3/1	
5-6	[Hatched pattern]	6				I	5YR 4/1	
6-7	[Hatched pattern]	7				I	10YR 4/1	
7.5	[Dotted pattern]	CC			M	5R 3/1		



SITE 986 HOLE C CORE 2H CORED 7.5 - 17.0 mbsf

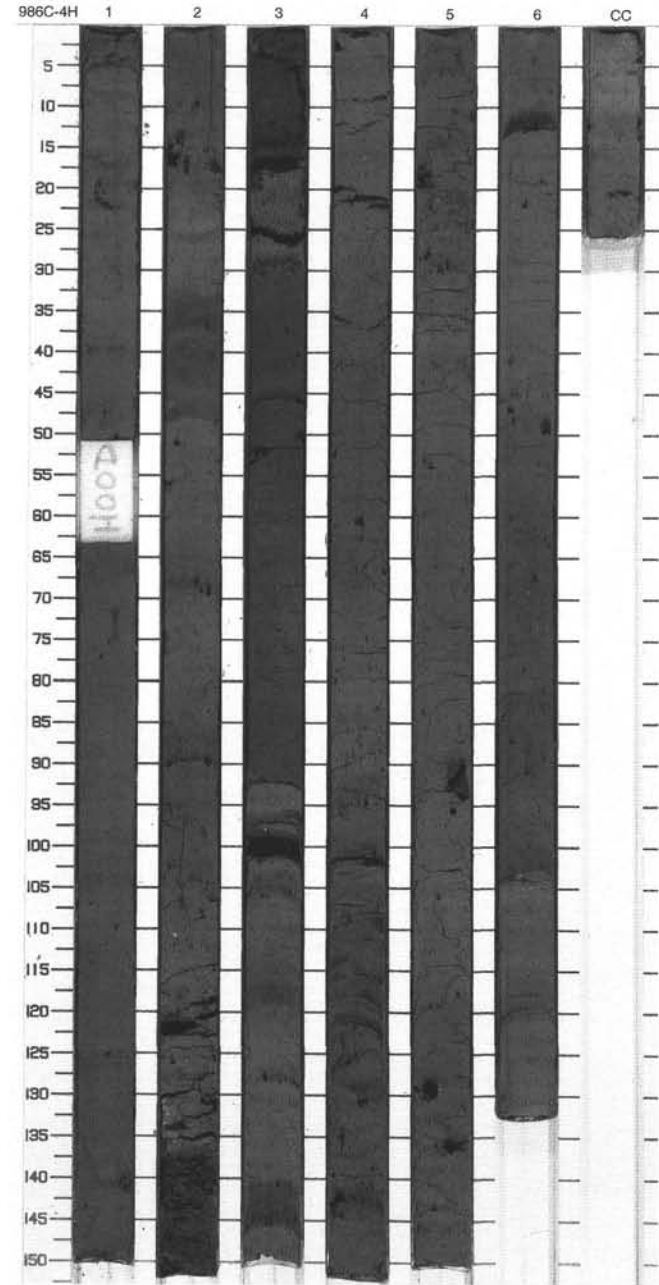
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Wavy lines]	-	S	5Y 3/1	<p>SILTY CLAY and SILTY CLAY WITH NANNOFOSSILS</p> <p>General Description: This core contains dark gray (5Y 4/1, 10YR 4/1), very dark gray (5Y 3/1, 2.5Y 4/0), dark greenish gray (10Y 4/1), and very dark greenish gray (10Y 3/1) SILTY CLAY and dark gray (10YR 4/1) SILTY CLAY WITH NANNOFOSSILS. The sediment is firm, moist, and sticky. There are multiple color changes with both gradational and sharp contacts. Thin (<1 mm) yellow-orange color bands are common, darker and thicker (cm) color bands are present but less common. Some of the redder (mica-rich) sections lack bioturbation. In other intervals bioturbation is indicated by mottled black burrow traces and silt-filled burrows. Dropstones are present as follows: Section 1, 100 cm: 1.4-cm-wide rounded sandstone; Section 3, 78 cm: 1.4 cm wide flat black subrounded mudstone; Section 4, 25 cm: 1.1-cm-wide subrounded sandstone; and Section CC, 5 cm: 1.9-cm subangular black layered mudstone.</p>
2	[Dotted pattern]	2		5R 3/1 To 10R 3/1				
3	[Hatched pattern]	3		2.5Y N4/0 To 10Y 4/1				
4	[Hatched pattern]	4		2.5YR N3/0 To 10YR 4/1				
5	[Hatched pattern]	5		2.5YR N4/0 To 10YR 4/1				
6	[Hatched pattern]	6						
7	[Hatched pattern]	7						
		CC				M		



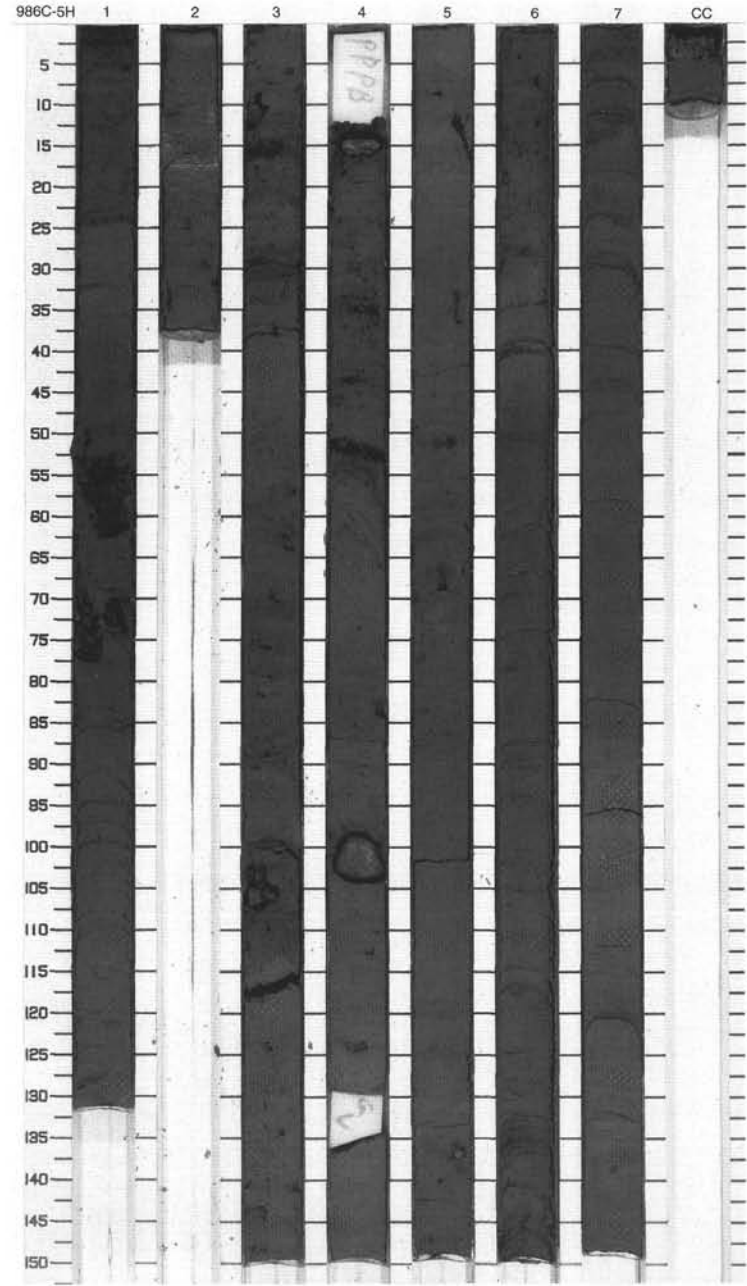
SITE 986 HOLE C CORE 4H

CORED 26.5 - 36.0 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	} S				<p>CLAY WITH SILT and SILTY CLAY</p> <p>General Description: This core contains dark greenish gray (5GY 4/1) CLAY WITH SILT and dark gray to very dark gray (5Y 4/1 to 5Y 3/1) SILTY CLAY. A very dark gray (2.5Y 3/2) CLAYEY SAND WITH SILT layer is interbedded with sharp base contact from Section 2, 141 to Section 3, 18 cm. Color changes are gradational except for sandy layer boundaries. One dropstone is present in Section 5, 90 cm (<3-cm subangular basalt). Lighter gray ponds are scattered in Sections 5 and 6. Slight bioturbation and black spots (probably disseminated pyrite or sulfides) occur in several sections. A shell fragment is present in Section 1, 84 cm.</p>
2	[Dotted pattern]	2	P		S	5GY 4/1	
3	[Dotted pattern]	3	} S		S		
4	[Dotted pattern]	3			S	2.5Y 3/2	
5	[Dotted pattern]	4	P		S	5Y 4/1 To 5Y 3/1	
6	[Dotted pattern]	5	P		S		
7	[Dotted pattern]	5	◇				
8	[Dotted pattern]	6	} S			5GY 3/1	
9	[Dotted pattern]	CC			M		



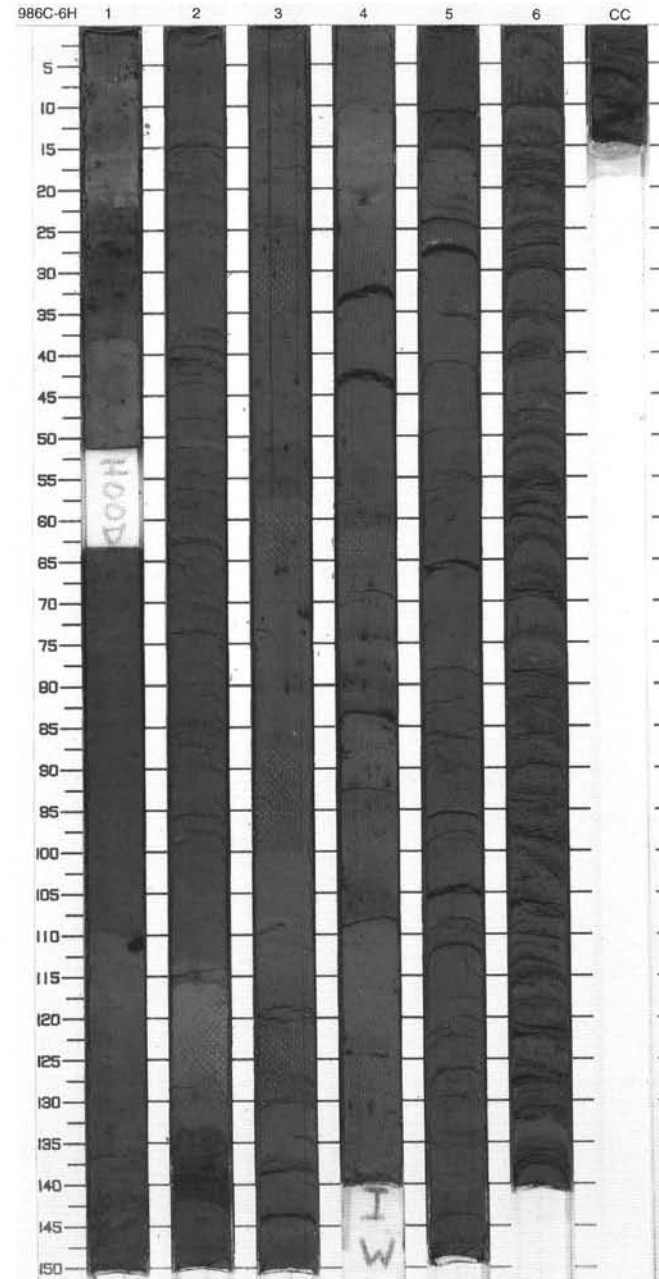
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Symbolic patterns]	[Disturbance symbols]	S	10YR 3/1	<p>SILTY CLAY</p> <p>General Description: This core consists of firm, dark gray (5Y 4/1 and 10YR 3/1), dark greenish gray (5GY 4/1), and very dark greenish gray (5GY 3/1 and 10Y 3/1) SILTY CLAY. Minor color changes are common, but lower than the resolution of the VCD color selection. In general, Sections 1-3 have more orange and brown hues and are slightly coarser. Sections 4-CC are greener and somewhat finer. Distinct silt laminations are present as indicated. The laminations at the top of Section 6 are coarser. Bioturbation is present as poorly defined burrows and silt-filled laminations. Dropstones are present as follows: Section 1 70 cm: ?; Section 3, 11 cm: 2.8-cm-long, black, subrounded mudstone; 63 cm, 1.0-cm-long, black subrounded siltstone, and 106 cm: 1.9-cm-long, subrounded, gray sandstone; Section 4, 14 cm: 4.5-cm-long, subrounded metamorphic stone, and 99 cm: 6.2-cm, black, subrounded siltstone; Section 5, 12 cm: 1.8 cm, angular, black mudstone and 137 cm: 1.4-cm-long, angular, buff, sandstone.</p>
2	[Hatched pattern]	2					5Y 4/1	
3	[Hatched pattern]	3					5Y 4/1 To 5GY 3/1	
4	[Hatched pattern]	4					10Y 4/1	
5	[Hatched pattern]	5					10Y 3/1	
6	[Hatched pattern]	6					5GY 4/1	
7	[Hatched pattern]	7					10Y 3/1	
8	[Hatched pattern]							
9	[Hatched pattern]					M		



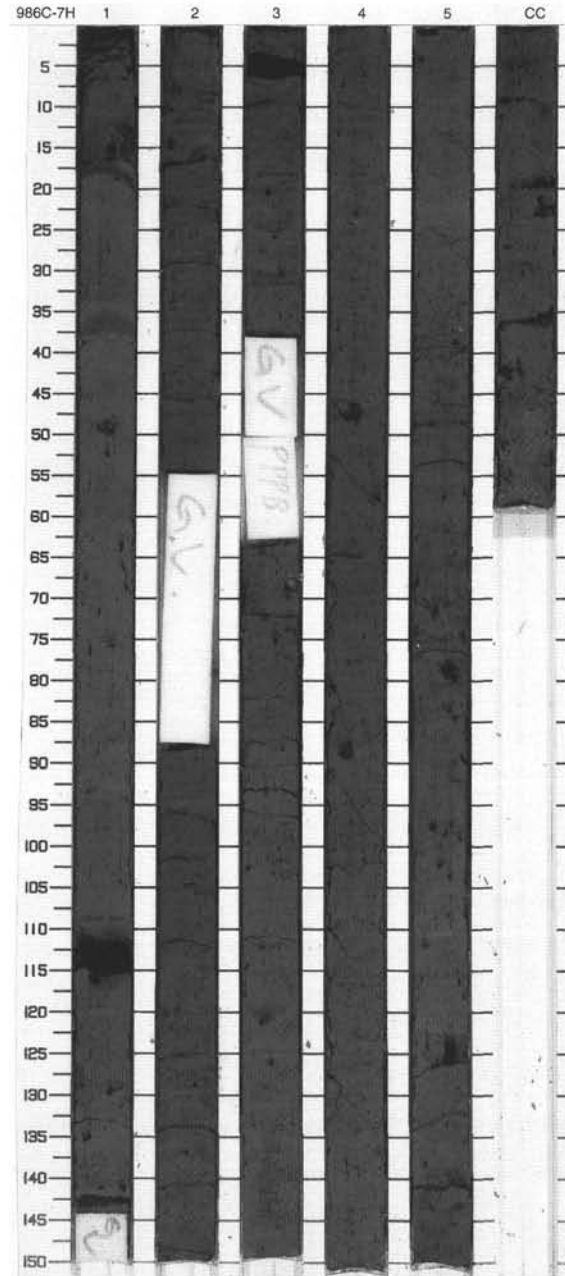
SITE 986 HOLE C CORE 6H

CORED 45.5 - 54.3 mbsf

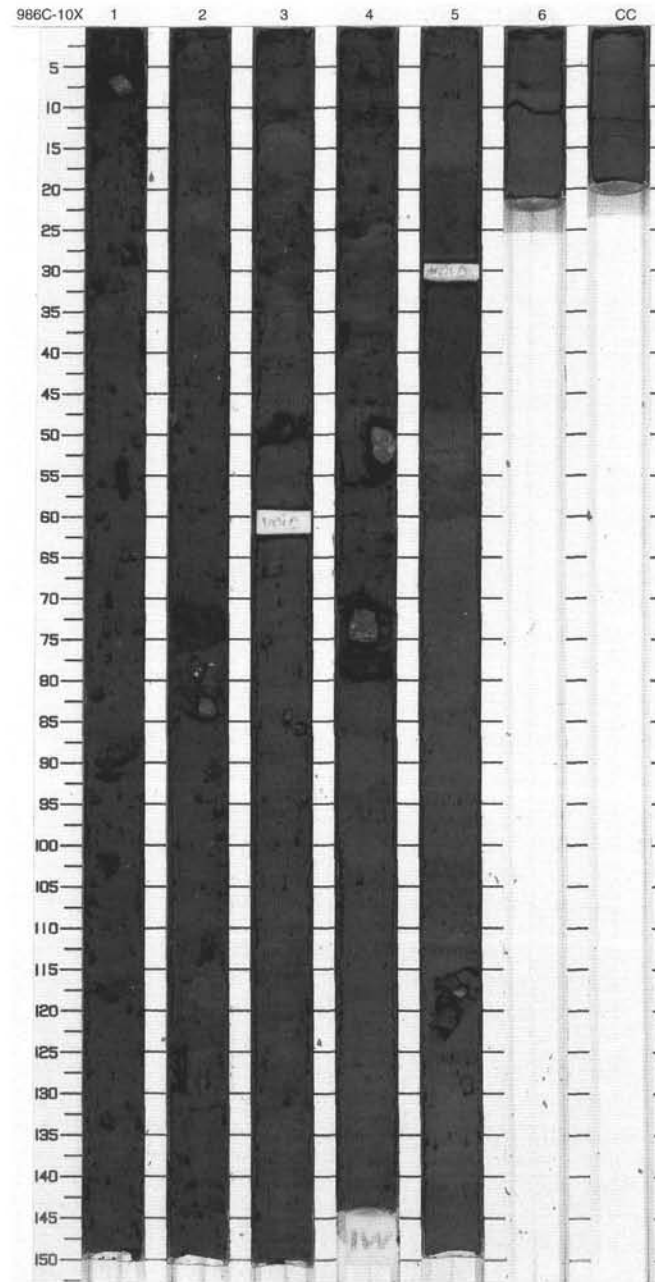
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	[Wavy lines]			5GY 4/1	<p>CLAY WITH SILT and CLAYEY SILT</p> <p>General Description: This core contains very dark greenish gray to dark greenish gray (10Y 3/1 to 10Y 4/1) CLAY WITH SILT and CLAYEY SILT. Color changes are gradational. Dark gray quartz silt (sandy silt particles) is present in the lower part of the core (Section 5 and Section 6). Section 6 contains alternating black and dark gray sediment. Slight bioturbation occur in several sections. Black ponds and spots (probably disseminated pyrite) are scattered throughout. A darker (10Y 3/1) interval is present in Section 1, 20-39 cm.</p>
2	[Dotted pattern]	2		[Horizontal lines]	P		10Y 4/1	
3	[Dotted pattern]	3		[Wavy lines]	P		5GY 4/1	
4	[Dotted pattern]	3		[Horizontal lines]	P	S	5GY 4/1	
5	[Dotted pattern]	4		[Horizontal lines]	P	I	10Y 4/1	
6	[Dotted pattern]	5		[Horizontal lines]	P	S	10Y 3/1	
7	[Horizontal lines]	5						
8	[Horizontal lines]	6		P	S			
9	[Horizontal lines]	6		P	M			



Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	} } } } } } } }	} } } } } } }	S	5GY 4/1	CLAY WITH SILT and SILTY CLAY General Description: This core contains many small voids due to gas disturbance, in addition to the two voids noted graphically. The lithologies present are dark gray (5Y 4/1) CLAY WITH SILT and very dark greenish gray (10 Y 3/1) SILTY CLAY. Sulfides occur as nodules and disseminated throughout the core.
2	Void	2						
3	[Horizontal lines]	3						
4	Void	3						
5	[Horizontal lines]	4						
6	[Horizontal lines]	4						
7	[Horizontal lines]	5						
8	[Horizontal lines]	CC					10Y 3/1	



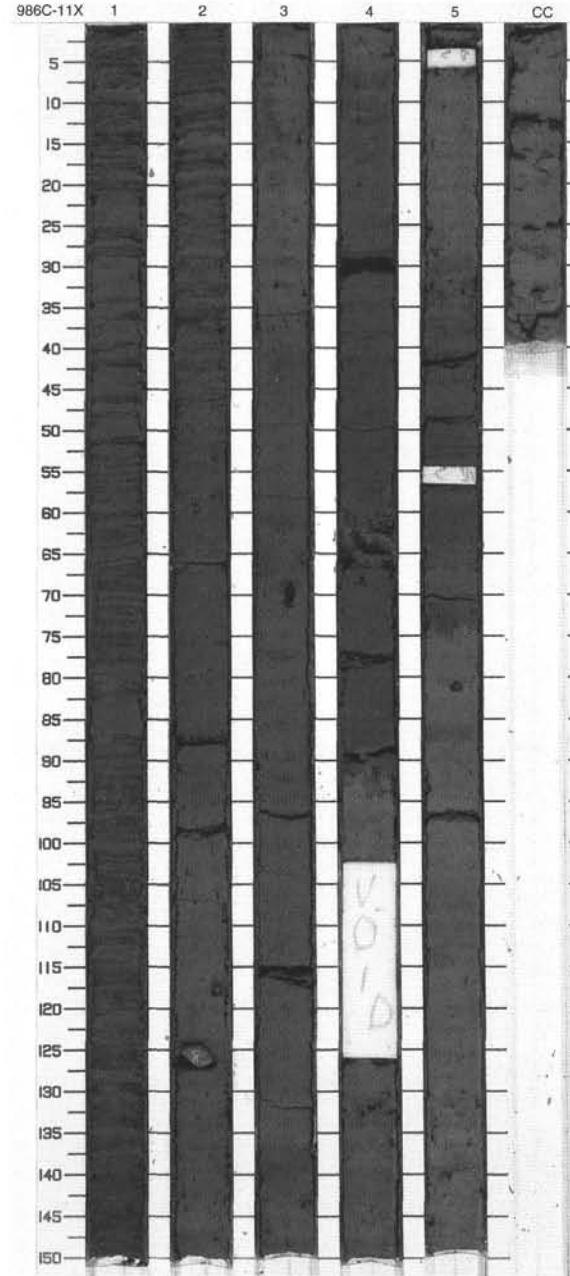
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	◆ ◇ ◆ ◆ P	I	S	5Y 3/1	<p>SILTY CLAY and CLAY WITH SILT</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY and dark greenish gray to very dark greenish gray (5GY 4/1 to 5GY 3/1) CLAY WITH SILT. Section 1, 0–10 cm, and Section 3, 48–80 cm are slightly disturbed. Several black spots (probably disseminated pyrite) are scattered throughout the core. Color changes are gradational throughout. Voids are present in Section 5, 28–30 cm, and in Section 3, 59–62 cm. Thick color bands occur in sections 2 and 5. Several dropstones are present:: Section 1, 8 cm: 3.5-cm subangular metamorphic; 28 cm: 1.7-cm, subangular siltstone; Section 2, 84 cm: 2.8-cm sedimentary rock; 113 cm: 2.0-cm siltstone; Section 3, 50 cm: 2.5-cm angular sedimentary rock; 84-85 cm: 1.5-cm size and 1.3-cm size siltstones; Section 4, 50–53 cm: 4.5 cm subrounded sedimentary; 71–75 cm: 4.7-cm, subangular metamorphic rock; Section 5, 116 cm: 1.5-cm, sedimentary rock, 117 cm, 2.5-cm sedimentary rock.</p>
2	[Dotted pattern]	2		P	S	S		
3	[Dotted pattern]	3		◇ } ◇ ◇ ◇ P	I	S	10Y 3/1 To 5R 3/1	
4	[Dotted pattern]	4		◇ ◇	I	S		
5	[Dotted pattern]	5		◇ } P - } ◇	S	S	5GY 4/1	
6	[Dotted pattern]	6			M	M		



SITE 986 HOLE C CORE 11X

CORED 90.2 - 99.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Hatched pattern]		S	10Y 3/1 To 10GY 4/0	<p>SILTY CLAY, CLAYEY SILT and CLAY WITH SILT</p> <p>General Description: This core contains dark greenish gray (10GY 4/0) to very dark greenish gray (10Y 3/1, 2.5G 4/0) SILTY CLAY, CLAYEY SILT, and CLAY WITH SILT. All color changes are gradational. Disseminated sulfides are present throughout the core. Sections 1 and 2 contain interbedded layers which appear to be silty and clayey, respectively. Dropstones are present in Section 2, 124 cm: 4.0-cm-size igneous rock; Section 3, 68 cm: 1.5-cm-size dark gray siltstone; and in Section 5, 80 cm: 1.1-cm-size black siltstone.</p>
2	[Hatched pattern]	2		[Hatched pattern]		S		
3	[Hatched pattern]	3		[Hatched pattern]		S		
4	[Hatched pattern]	4		[Hatched pattern]		S		
5	[Hatched pattern]	4		[Hatched pattern]		S		
6	[Dotted pattern]					S		Void
7	[Dotted pattern]	5		[Hatched pattern]		S	2.5G 4/0	
		CC				M		

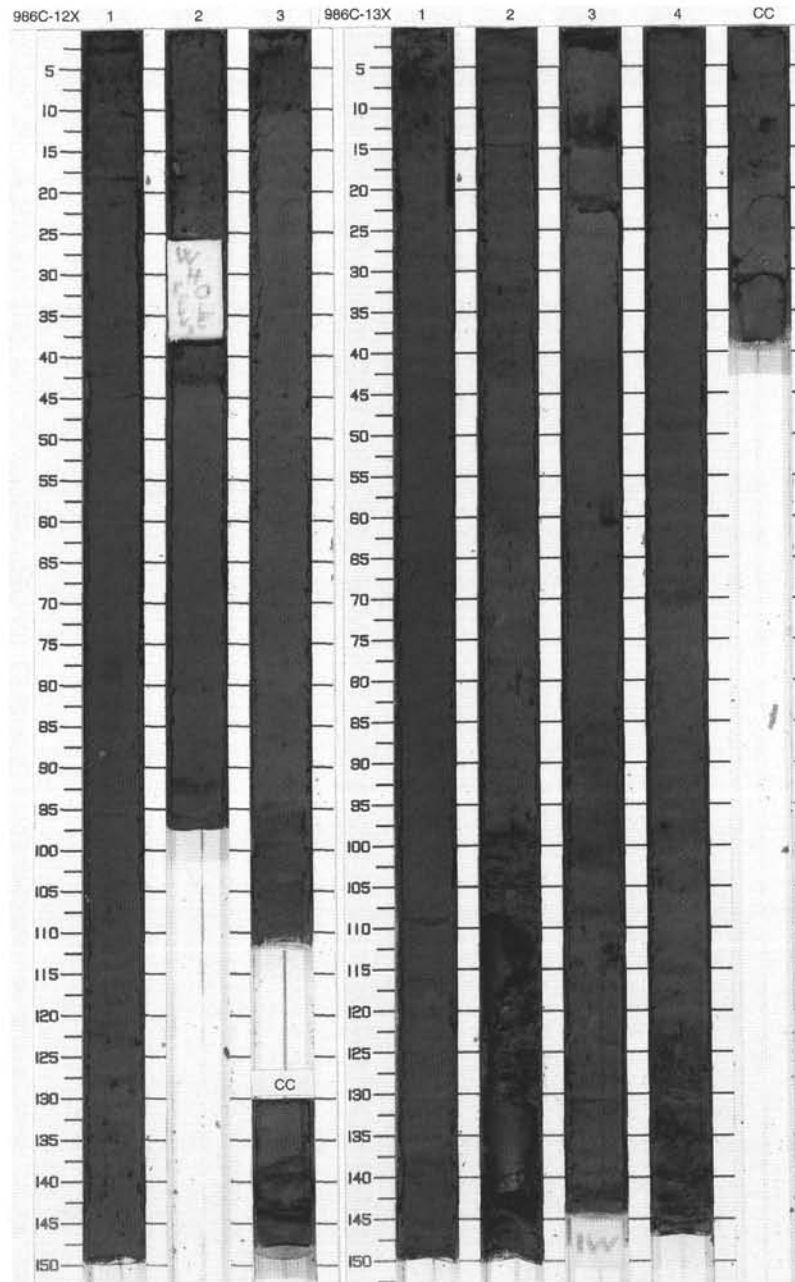


SITE 986 HOLE C CORE 12X CORED 99.8 - 109.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	S	-	S	5R 4/1	SILTY CLAY General Description: This core contains very dark gray (5R 3/1) and dark gray (5R 4/1, 5YR 4/1) SILTY CLAY. Sediment is firm and homogeneous. Slight bioturbation and disseminated sulfides occur throughout the core. Coarser intervals are present in Section 2, 0-3 cm and in Section 3, 95-112 cm. A dropstone occurs in Section 2, 16-18 cm (1.8-cm-long dark subrounded gneiss).
2		2					5R 3/1	
3		3					5R 4/1	
		CC				M	5YR 4/1	

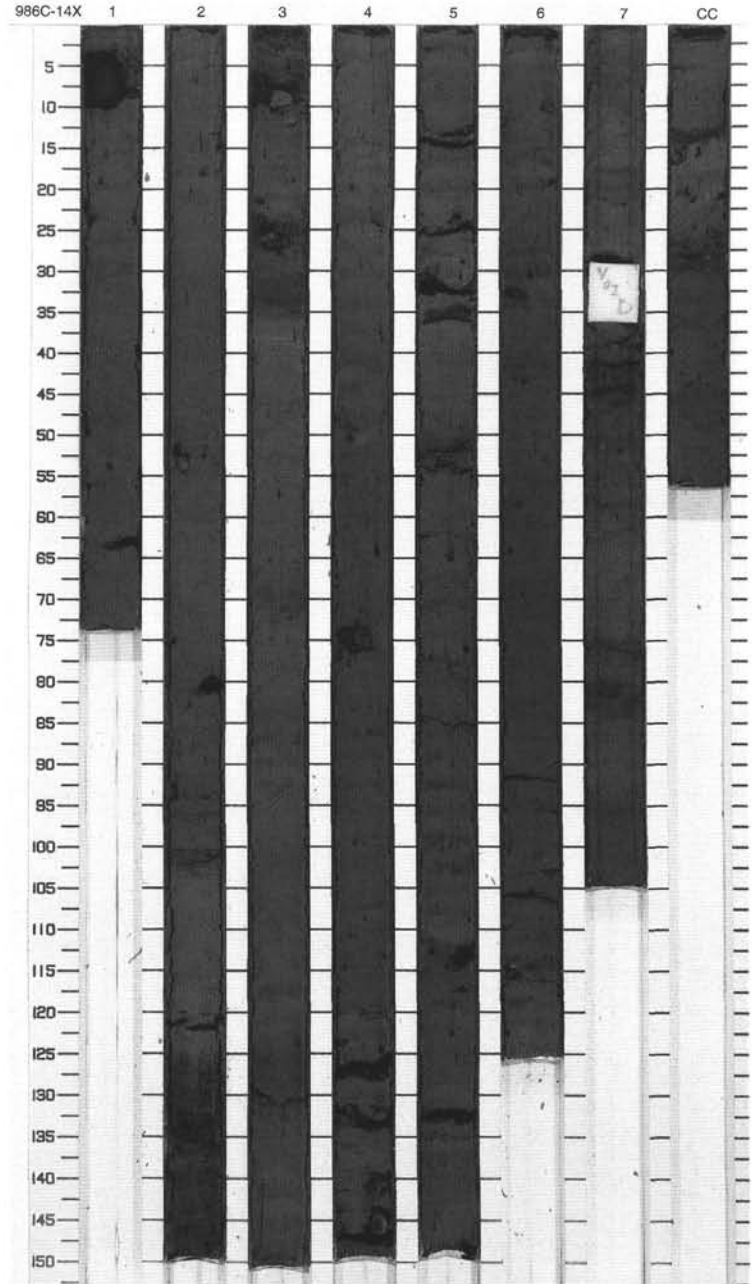
SITE 986 HOLE C CORE 13X CORED 109.5 - 119.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	S	O O O O	S	5R 4/1 To 5R 3/1	SILTY CLAY General Description: This core contains very dark greenish gray (5GY 3/1), dark greenish gray (5GY 4/1), dark gray (5R 4/1 and 5Y 4/1), and very dark gray (5R 3/1) SILTY CLAY. Sediment is firm and homogeneous. Disseminated sulfides and slight bioturbation occur throughout the core. Sediment is soupy in Section 2, 100-150 cm. Sediment is coarser in Section 4, 122-150 cm. A sand layer is present in Section 2, 100 cm, just above the soupy interval. Burrows filled with sand are present in Section 1, 15 cm and in Section 3, 30 cm.
2		2					5GY 4/1	
3		3					5GY 3/1	
4		4					5Y 4/1	
6		CC				S	5R 3/1	

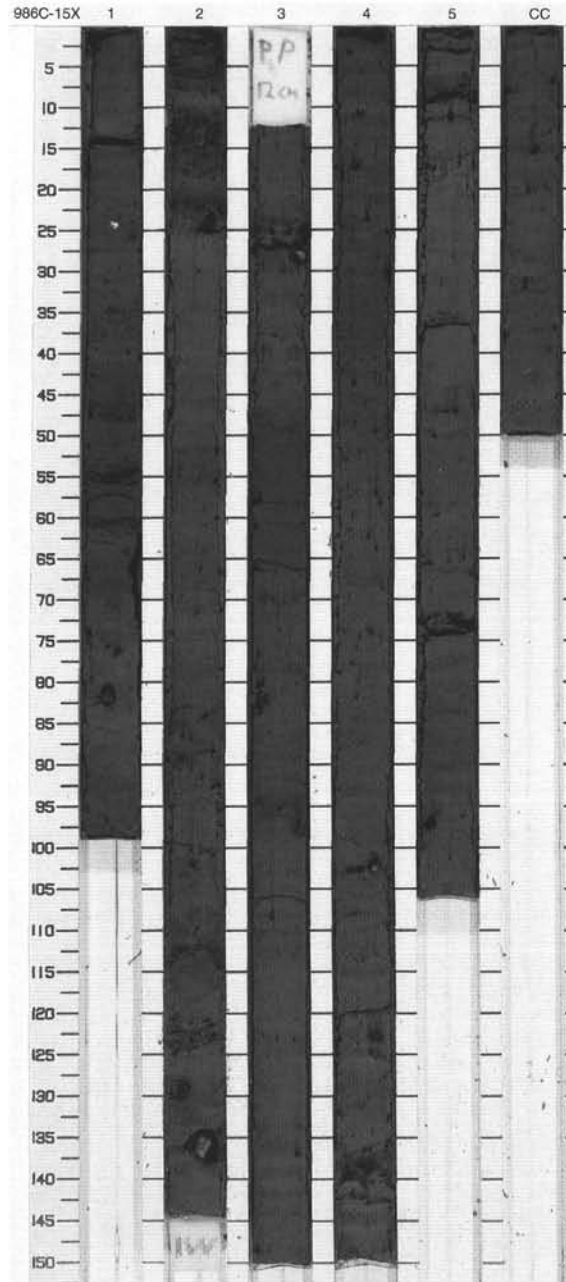


SITE 986 HOLE C CORE 14X CORED 119.2 - 128.8 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1				5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1), dark greenish gray (5GY 4/1) SILTY CLAY. A dark grayish brown (2.5Y 4/2) CALCAREOUS CLAY WITH SILT (AND PYRITE) interval, with gravels on the upper part, is present from Section 2, 125 cm to Section 3, 35 cm. SAND-rich layers are interbedded with SILTY CLAY in Section 2, 92-103 cm. Thin sandy layers are situated in Section 7, 75-76 and 81-85 cm. Sediment is firm and homogeneous. Disseminated sulfides and slight to moderate bioturbation occur throughout the entire core. Brown carbonate concretions are present in Section 4, 75-77 cm. Burrows filled with sand are present in Sections 5 and 6. There is a void in Section 7, 30-37 cm.</p> <p>Dropstones: Section 1, 5-9 cm: 4.8-cm-long subrounded sandstone; Section 2, 53-54 cm: 1.8-cm-long black flat subangular schist; Section 3, 8-10 cm: 2.7-cm-long subangular dark sandstone; Section 3, 25-27 cm: 2.6-cm-long angular layered mudstone; Section 4, 143-145 cm: 2.7-cm-long highly weathered sandstone; Section 6, 33 cm: 1.5-cm-long fissile brown shale.</p>
2		2				5GY 4/1	
2					S	2.5Y 4/2	
3		3			S		
4		4				5GY 4/1 To 5GY 3/1	
5							
6		5				5GY 4/1	
7		6					
8		7				5GY 3/1	
9							
		CC			M		



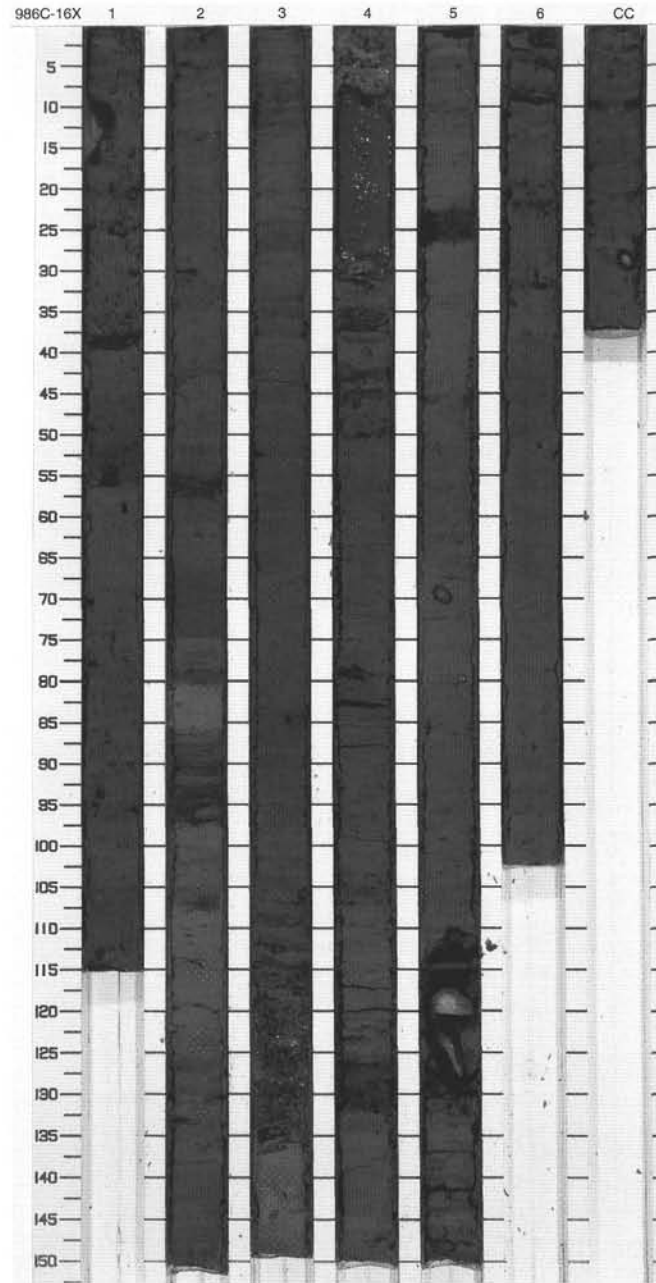
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	[Horizontal lines]	◇	S	10Y 4/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (5YR 3/1), dark gray (5YR 4/1 and 5R 4/1), and dark greenish gray (10Y 4/1) SILTY CLAY. SANDY CLAY WITH SILT (AND PYRITE) are interbedded in Section 1, 47—54 cm. Sediment is firm and homogeneous. Disseminated sulfides and slight bioturbation occur throughout the entire core. Small very moist dark intervals are situated in Section 2, 110—125 cm and in Section 4, 135—140 cm.</p> <p>Dropstones: Section 1, 81—83 cm: 2-cm-long dark subrounded sandstone; Section 2, 134—137 cm: 3.8-cm-long gneiss; Section 3, 29—30 cm: 1.1-cm-long gray subrounded sandstone; Section 3, 82—83: 1.8-cm-long subangular flat gray sandstone; Section 4, 102—103 cm: 2.5-cm-long subangular gray claystone.</p>
2	[Horizontal lines]	2		[Horizontal lines]	◇	S		
3	[Horizontal lines]	3		[Horizontal lines]	◇	I	5YR 4/1	
4	[Horizontal lines]	4		[Horizontal lines]	◇	W	5YR 4/1 To 5YR 3/1	
5	[Horizontal lines]	5		[Horizontal lines]	◇	S		
6	[Horizontal lines]	6		[Horizontal lines]	◇	S	5R 4/1	
7	[Horizontal lines]	CC				M		



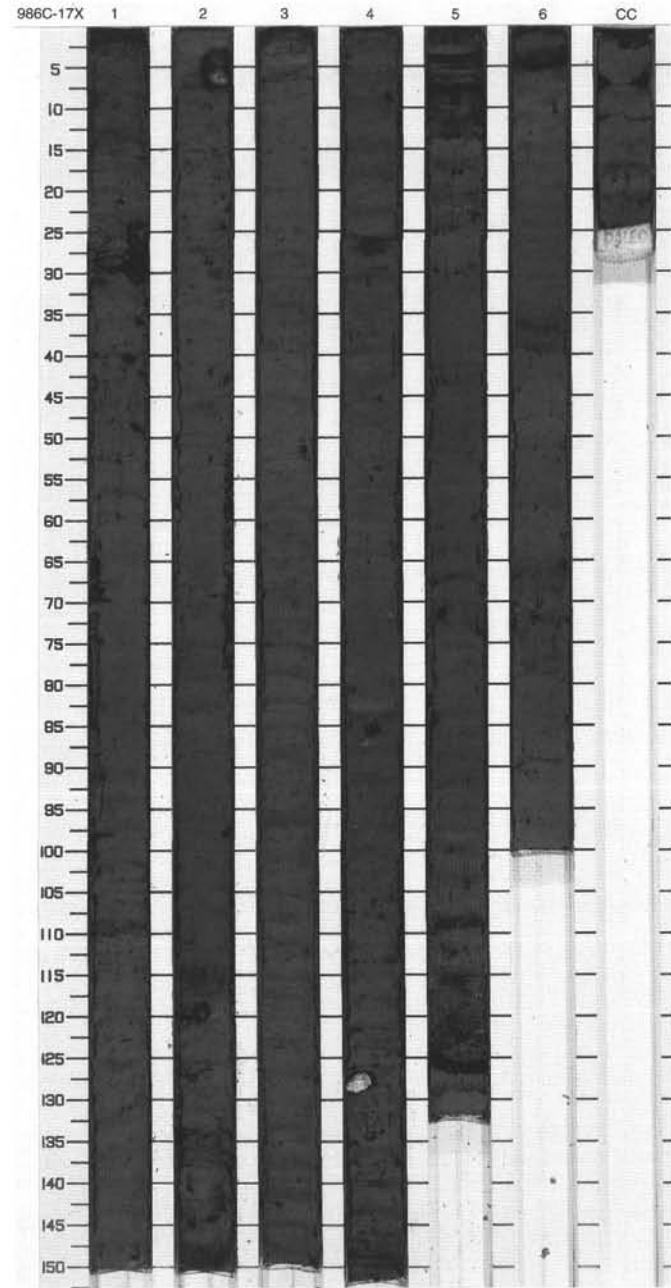
SITE 986 HOLE C CORE 16X

CORED 138.5 - 148.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene		↑ F	S	5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1 and 5G 3/1), dark greenish gray (5GY 4/1 and 10Y 4/1) SILTY CLAY. A CALCAREOUS CLAYEY SILT interval is situated in Section 2, 87—97 cm. A SILTY SAND layer is present in Section 3, 106—115 cm. A SANDY CLAY WITH SILT layer is present in Section 3, 130 cm. Sediment is firm and moderately disturbed with some minor color changes of blues and grays. Some silt laminations occur in Section 3, 19—44. Disseminated sulfides occur in both dark layers and color mottles. Two disturbed intervals are present in Section 3, 115—136 cm and in Section 4, 8—28 cm.</p> <p>Dropstones: Section 1, 20 cm: 1.1-cm-long green gray subrounded sandstone, Section 1, 29 cm: 1.3-cm-long brown subrounded sandstone; Section 3, 106 cm: 1.0-cm-long flat subangular blue-green siltstone; Section 4, 78 cm: 2.5-cm-long black subrounded siltstone; Section 5, 69 cm: 2.2-cm-long subrounded quartzite; Section 5, 119 cm: 5.3-cm-long layered silt and sandstone; Section 5, 115 cm: 5.0-cm-long layered silt and sandstone; Section 5, 125 cm: 6.0-cm-long layered silt and sandstone; Core Catcher, 29 cm: 1.6-cm-long rounded sandstone.</p>
2		2						
3		3						
4		4						
5		5						
6		6						
7		CC				M	5G 3/1	
8							10G 3/1	
							5GY 4/1 To 5GY 3/1	
							5G 3/1	



Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Horizontal dashes]	1	Pleistocene	~	-	S	5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1 and 5G 3/1) SILTY CLAY. Sediment is firm with disseminated sulfides throughout the core. Sediment is fairly homogeneous with two coarser layers in Section 2, 146—150 and 115—117 cm and one fine-grained brown CALCAREOUS SILT WITH CALCAREOUS CLAY interval in Section 3, 0—6 cm. Bioturbation is indicated by poorly defined sulfide mottles and rare silt filled burrows. Silt laminations occur from Section 4, 147 cm to Section 5, 10 cm, consisting of both light and dark SILTY SAND WITH CLAY layers interbedded with SILTY CLAY. The core is disturbed at the base of Section 5.</p> <p>Dropstones: Section 1, 24 cm: 1.2-cm-long brown weathering sandstone; Section 2, 4 cm: 3.6-cm-long rough textured light brown weathered carbonate; Section 2, 120 cm: 1.4-cm-long subrounded black siltstone; Section 4, 129 cm: 3.2-cm-long rounded quartzite (metamorphic?).</p>
2	[Horizontal dashes]	2						
3	[Horizontal dashes]	3						
4	[Horizontal dashes]	4						
5	[Horizontal dashes]	5						
6	[Horizontal dashes]	6						
7	[Horizontal dashes]	CC						

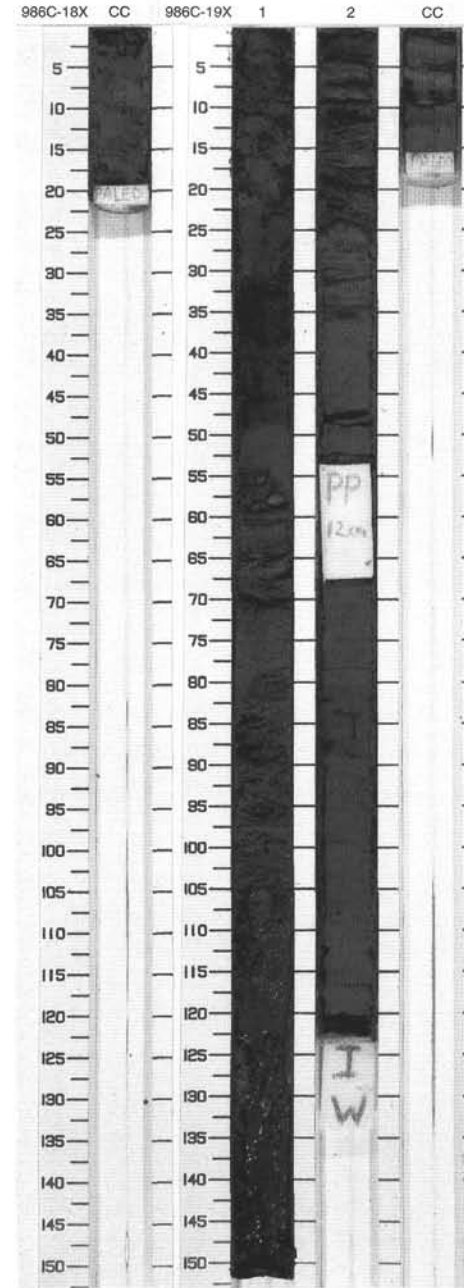


SITE 986 HOLE C CORE 18X CORED 157.8 - 167.4 mbsf

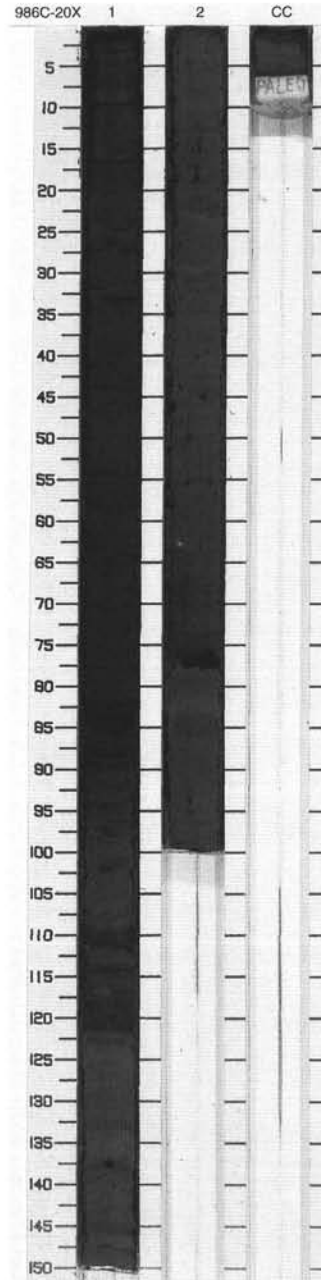
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC			W			SILTY CLAY
			Pleistocene					General Description: This core contains very dark greenish gray (5G 3/1) SILTY CLAY.

SITE 986 HOLE C CORE 19X CORED 167.4 - 177.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	⊗ ◇	W	S	5Y 3/1 To 5GY 3/1	CLAY WITH SILT and SAND WITH SILT AND CLAY General Description: This core contains very dark greenish gray (5GY 3/1 and 5G 3/1) CLAY WITH SILT and very dark greenish gray (5Y 3/1 and 5GY 3/1) SAND WITH SILT AND CLAY. The sediment is highly disturbed due to drilling in Section 1, 0—42 cm. Disturbance due to gas expansion occurs in Section 1, 42—84 cm. Coarser laminations are present in Section 2, 0-26 cm. Finer silt laminations occur in Section 2, 26—36 cm. Homogeneous CLAY WITH SILT with minor color mottles is present in Section 2, 36—120 cm. Small shell fragments are present in Section 1, 26—45 cm.
2		2		⊗ ◇	---	S	5GY 3/1 To 5G 3/1	
		CC			---	M		

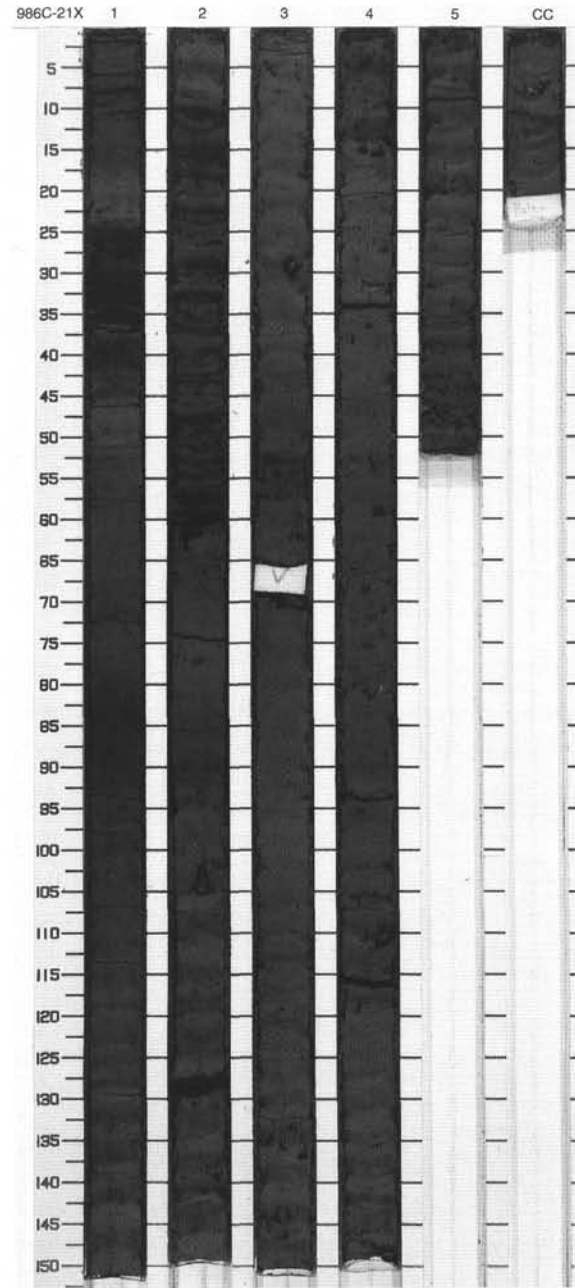


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Pleistocene	[Horizontal lines]	[Dashed line]	S	2.5YR 3/2	<p>SILTY CLAY and CLAY WITH SILT</p> <p>General Description: This core contains reddish brown (2.5YR 3/2) SILTY CLAY and dark greenish gray (5G 4/1) CLAY WITH SILT. Slight bioturbation is indicated by few black sulfide mottles and rare silt-filled burrows. Coarser lamination occurs in the reddish brown interval. In addition, this interval is nearly free of bioturbation. A turbidite of SILTY SAND occurs in Section 1, 109—121 cm. A band and a pod of light INORGANIC CALCITE SILT are present as a minor lithology in Section 1, 108 cm and in Section 2, 30 cm, respectively. The core is slightly disturbed due to gas expansion in the reddish brown interval.</p>
2	[Dotted pattern]	2		[Horizontal lines]	[Dashed line]	S	5GY 4/1	
	[Dotted pattern]			[Horizontal lines]	[Dashed line]	S		
	[Dotted pattern]			[Horizontal lines]	[Dashed line]	S		
	[Dotted pattern]			[Horizontal lines]	[Dashed line]	M		



SITE 986 HOLE C CORE 21X CORED 186.7 - 196.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Dotted pattern]	1	Pleistocene	— P		S	7.5GY 3/1	<p>CLAY WITH SILT and SILTY CLAY</p> <p>General Description: This core contains dark greenish gray (7.5GY 4/1 to 5G 4/1) CLAY WITH SILT and very dark greenish gray to very dark gray (5GY 3/1 to 5Y 3/1) SILTY CLAY. Small intervals of SILTY CLAY WITH SAND are interbedded in Section 1, 24—36 cm. Color changes are subtle and gradational throughout the core. Black spots (probably disseminated pyrite) are scattered throughout and slight bioturbation is present in several sections. Voids occur in Section 3, 65—70 cm. Several dropstones are present in Section 2, 105—106 cm: 1.9-cm-size subangular siltstone; Section 3, 29—30 cm: 1.5-cm-size siltstone; Section 3, 70—72 cm: 3.5-cm-size sedimentary rock; and in Section 4, 110—111 cm: 1.5-cm-size siltstone.</p>	
2	[Dotted pattern]	2		— P		S	5GY 3/1 To 5Y 3/1		
3	[Dotted pattern]	3		— P	◇				
4	[Dotted pattern]	4		— P	◇		S		7.5GY 4/1 To 5G 4/1
5	[Dotted pattern]	5		— P	◇				
6	[Dotted pattern]	CC		◆		M			



SITE 986 HOLE C CORE 22X

CORED 196.3 - 205.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lithology: Horizontal dashed lines]	1	Pleistocene	[Structure: Wavy lines]	W	S	7.5GY 2.5/1	<p>SILTY CLAY</p> <p>General Description: This core consists of firm, black (2.5G 3/1), very dark gray (7.5 GY 3/0 and 5GY 3/1), and dark greenish gray (5G 4/1) SILTY CLAY. Disseminated sulfides are present throughout the core and are particularly abundant in Sections 2 and 3. Three thin, dark brown (1.5Y 3/0), slightly coarser CALCAREOUS SILTY CLAY layers are present in Section 1 at 50—51, 90—96 and 144—148 cm. A thin (1 mm) CALCAREOUS SILT WITH CLAY layer is present in Section 1, 104 cm. Dropstones are present as follows: Section 1, 13 cm: 8-cm-long, subrounded, layered, gray sandstone; Section 1, 39 cm: 5.7-cm-long, subrounded, black siltstone; Section 2, 75 cm: 1.0-cm-long, subangular, black siltstone; Section 2, 99 cm: 1.0-cm-long, rounded brown sandstone; and Section 3, 22 cm: 2.0-cm-long, rounded sandstone.</p>
2							5GY 3/1	
3							2.5G 3/0	
4							2.5G 3/0 To 5G 4/1	
5								

SITE 986 HOLE C CORE 23X

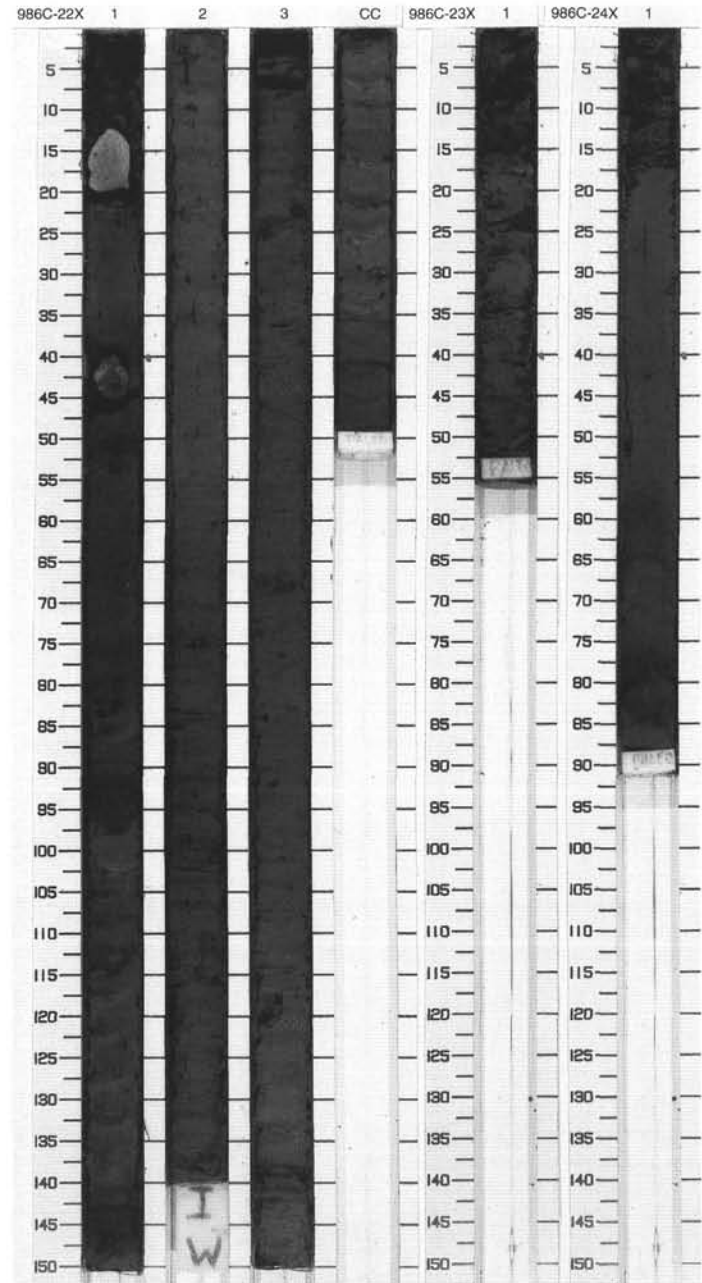
CORED 205.9 - 215.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
	[Graphic Lithology: Horizontal dashed lines]	1	Pleistocene			M	10Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (10GY) SILTY CLAY. The sediment is soft and moderately disturbed.</p>

SITE 986 HOLE C CORE 24X

CORED 215.5 - 225.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
	[Graphic Lithology: Horizontal dashed lines]	1	Pleistocene			M	10GY 3/0 To 10Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (10GY) SILTY CLAY. The sediment is soft and moderately disturbed in the upper 20 cm. Below this is a gradational color change and a dropstone.</p>



986C-25X NO RECOVERY

SITE 986 HOLE C CORE 26X

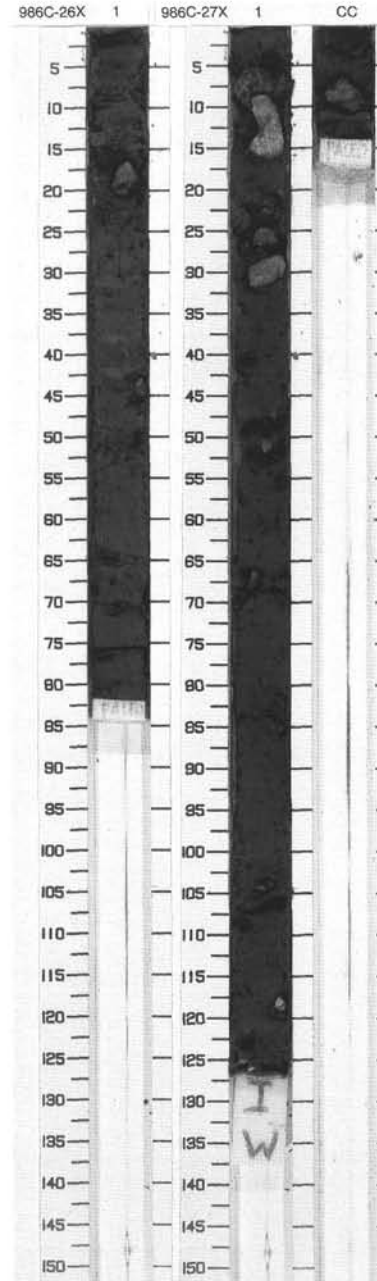
CORED 234.7 - 244.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	↑ Pleistocene	◇	---	M	10Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (10GY 3/1, 10Y 3/1) SILTY CLAY. The sediment is soft and moderately disturbed. A gradational color change occurs at 40 cm. In addition to the listed dropstones, a number of smaller lithic fragments occur.</p> <p>Dropstones: Section 1, 15 cm: 4.5-cm-size dark gray siltstone; 44 cm: 2.0-cm-size dark gray siltstone.</p>

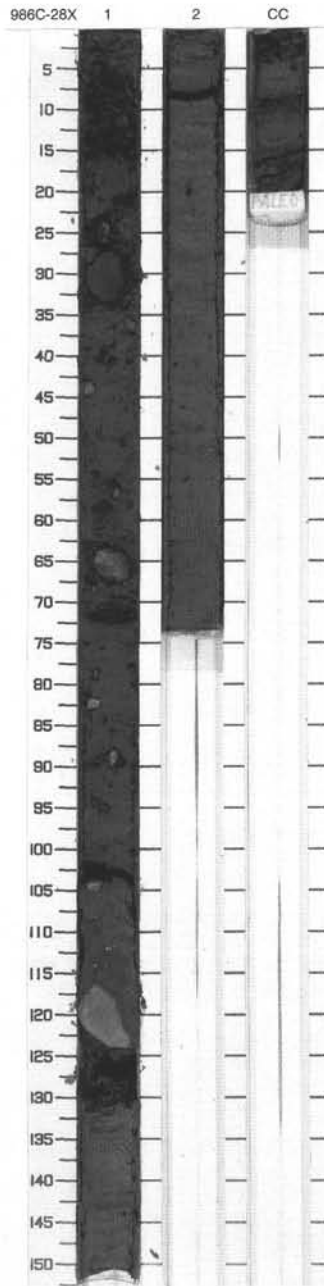
SITE 986 HOLE C CORE 27X

CORED 244.3 - 254.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1 CC	Pleistocene	◇ X ◇ ◇ ◇	wwwwww	S MI	5Y 3/1	<p>SILTY CLAY</p> <p>General Description: Highly disturbed, stiff, very dark gray (5Y 3/1) SILTY CLAY. Much of the disturbance appears to be related to the abundant dropstones. Dropstones are present as follows: Section 1, 6 cm: 5.7-cm-long, subrounded limestone; 12 cm: 8.6-cm-long, subrounded, light gray limestone; 23 cm: 3.5-cm-long, subrounded, dark gray, crystalline rock; 28 cm: 5-cm-long, rounded, green, layered mudstone; 50 cm: 1.8-cm long subrounded, gray crystalline rock; 66 cm: 3.0-cm, subrounded limestone; 70 cm: 2.4-cm, subrounded, carbonate cemented sandstone; 82 cm: 2.0-cm, subangular limestone, 86 cm: 22.1-cm, subrounded carbonate (sulferous); 100 cm: 1.3-cm, subangular, black shale; 117 cm: 1.9-cm, rounded, white, quartzite; and 125 cm: chalk, disintegrated; and Section CC, 8 cm: 5.6-cm-long, subrounded, buff sulferous, carbonate cemented sanstone. A small shell fragment is present in Section 1, 110 cm.</p>

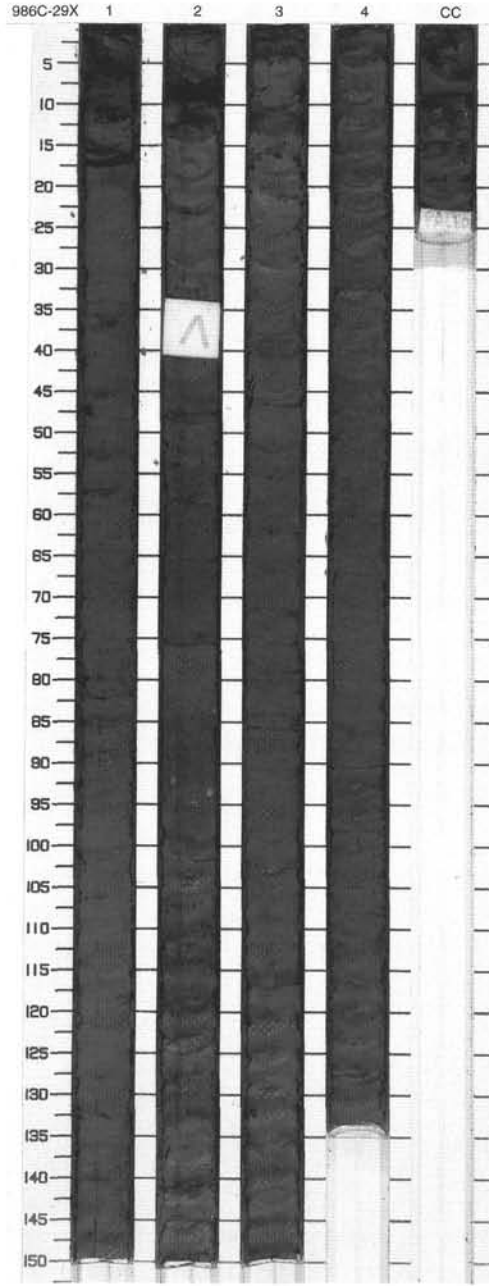


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	◇ ◇ ◇ ◇ ◇	WWW		5Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) SILTY CLAY from Section 1, 130 cm to the base of the core. Bioturbation is indicated by black sulfide mottles and few silt-filled burrows within this interval. Slight disturbances are due to gas expansion. A very dark gray (5Y 3/1) debris flow is present in Section 1, 0-130 cm. The sediment is moderately to very disturbed. Dropstones are listed as following: 17 cm: 1.7-cm-sized subrounded flat siltstone; 23 cm: 4.1-cm-sized subangular black shale; 26 cm: 6.4-cm-sized subrounded greenish gray sedimentary rock; 34 cm: 1.6-cm-sized subrounded brown sedimentary rock; 39 cm: 1.1-cm-sized rounded siltstone; 42 cm: 2.1-cm-sized flat sedimentary rock; 55 cm: 1.5-cm-sized angular igneous rock; 62 cm: 5.2-cm-sized subrounded sedimentary rock; 67 cm: 1.1-cm-sized subrounded sedimentary rock; 69 cm: 1.7-cm-sized flat sedimentary rock; 77 cm: 1.0-cm-sized subrounded sedimentary rock; 81 cm: 2.1-cm-sized subrounded metamorphic rock; 87 cm: 2.0-cm-sized subangular gray siltstone; 102 cm: 1.9-cm-sized brownish subangular limestone; 107 cm: 2.0-cm-sized subangular basaltic rock; 115 cm: 8.8-cm-sized subrounded sedimentary rock. In addition, a 2-cm-sized mud clast is present in Section 1, 105 cm.</p>
2		2		}}	}}		S	
	CC			}}		M		

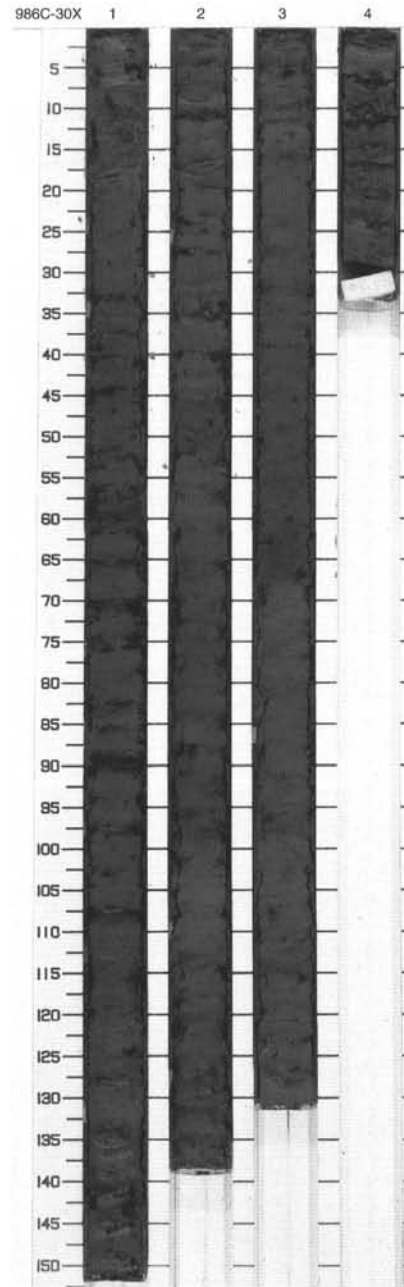


SITE 986 HOLE C CORE 29X CORED 259.0 - 263.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	}		S	5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) and very dark gray (10GY 3/0 to 5G 3/1) SILTY CLAY. The color changes are gradational. Slight bioturbation occurs in several sections and disseminated pyrite (black spots) is scattered throughout the core. Section 2, 8–11 cm contains a dark gray silty layer. Thin color bands are present in Section 2, 114–134 cm and in Section 3, 10–13 cm. Voids occur in Section 2, 34–41 cm.</p>
1	[Hatched pattern]	1						
2	[Hatched pattern]	2		} P				
2	[Hatched pattern]	2		} P				
3	[Hatched pattern]	3		} P				
3	[Hatched pattern]	3		} P				
3	[Hatched pattern]	3		} P				
4	[Hatched pattern]	4		} P				
5	[Hatched pattern]	4		} P				
5	[Hatched pattern]	4		} P				
6	[Hatched pattern]	4		} P				
		CC						



Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description			
1		1	Pleistocene	} S	W	S	5G 3/1 To 5G 4/1	SILTY CLAY General Description: This core contains of very dark greenish gray (5G 3/1) to dark greenish gray (5G 4/1) and very dark gray (10YR 3/1) SILTY CLAY. The color changes are gradational. Few dark sulfide-rich bands are present. Slight bioturbation indicated by few dark color mottles (sulfide) occurs in the dark greenish gray intervals. In contrast there is a lack of bioturbation in the interval from Section 2, 123 cm to Section 3, 67 cm. Dropstones occur in Section 1, 140 cm: 1.5-cm-sized subangular sedimentary rock; 142 cm: 2.0-cm-sized rounded sandstone; and in Section 2, 34 cm: 1.6-cm-sized subangular sedimentary rock. The uppermost 18 cm of the core are highly disturbed due to drilling and some intervals are slightly disturbed due to gas expansion.			
2		2							} S	S	10YR 3/1
3		3									
4		4							} P	M	



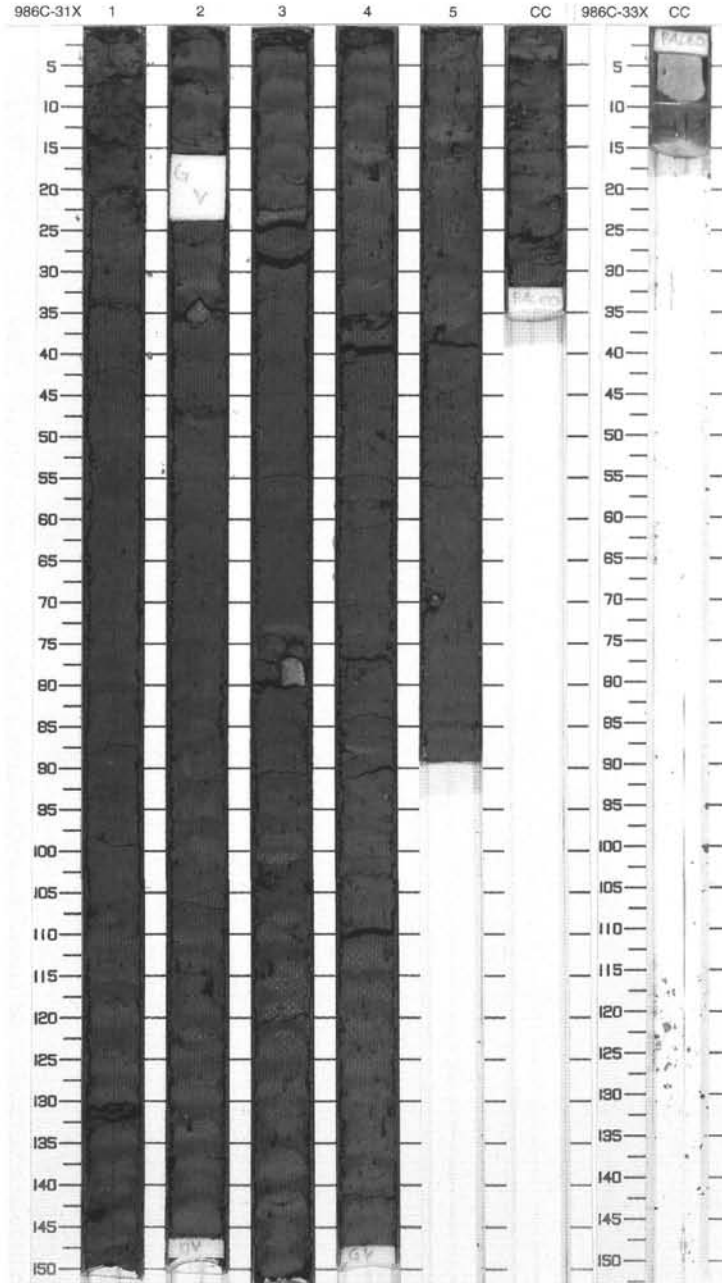
SITE 986 HOLE C CORE 31X CORED 273.2 - 282.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description				
1	[Hatched pattern]	1	Pleistocene	}		S	5GY 3/1 To 10Y 3/1	SILTY CLAY General Description: This core contains very dark gray (5GY 3/1, 10Y 3/1) SILTY CLAY. The sediment is firm and homogeneous. Gradational color changes occur throughout. Many small silt-filled burrows are scattered throughout. Dropstones: Section 2, 35 cm: 3.0-cm-size light gray sandstone; Section 3, 75 cm: 3.5-cm-size gray siltstone; Section 5, 15 cm: 1.5-cm-size gray siltstone; 32 cm: 1.2-cm-size black claystone; 75 cm: 2.0-cm-size gray siltstone; Core Catcher, 75 cm: 3.5-cm-size dark gray siltstone.				
2	Void	2							}		S	5GY 3/1
3	Void	3										
4	[Hatched pattern]	4							}		S	5GY 3/1
6	Void	5										
CC		CC										

986C-32X 3cm undescribed sediment recovered.

SITE 986 HOLE C CORE 33X CORED 292.4 - 302.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
CC		CC						ROCK General Description: This core contains only a single 6.0-cm crystalline dropstone. The clast has been chewed up by drilling.

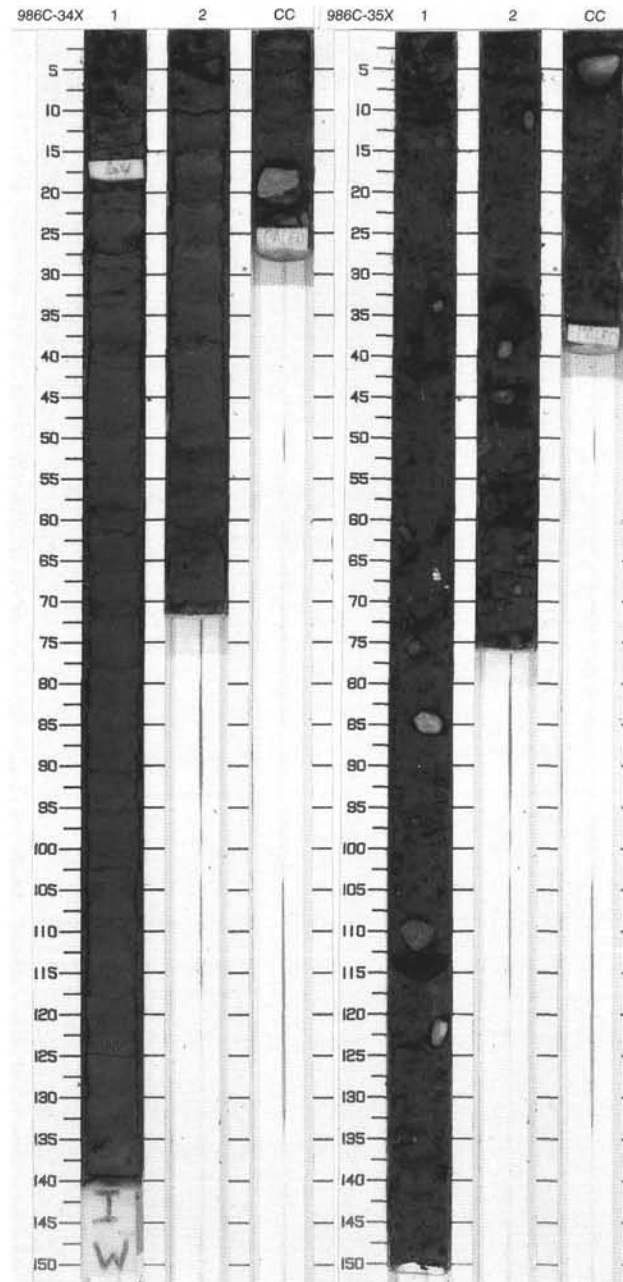


SITE 986 HOLE C CORE 34X CORED 302.1 - 311.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	}	-	S	5Y 3/1 To 5GY 3/1	SILTY CLAY General Description: This core contains very dark gray (5GY 3/1, 5Y 3/1) SILTY CLAY. The sediment is firm. A gradational color change occurs in Section 2. A single 5-cm gray sandstone occurs in the Core Catcher.
2		S I						
CC		M						

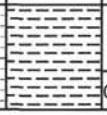
SITE 986 HOLE C CORE 35X CORED 311.7 - 321.3 mbsf

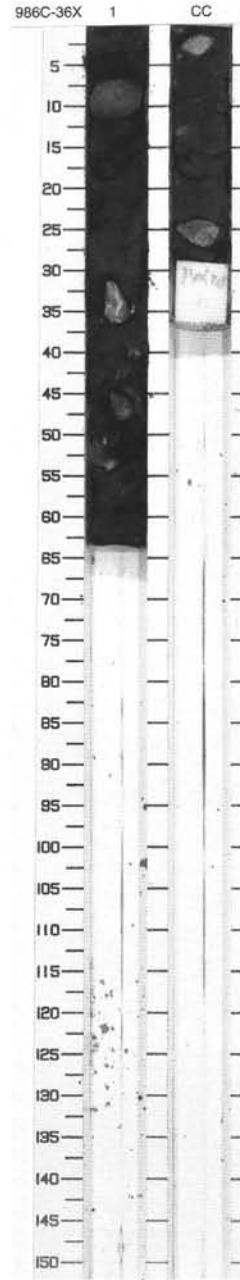
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	◇	-	S	5Y 3/1	SILTY CLAY General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY. The core is slightly disturbed and many dropstones are present: Section 1, 32 cm: 1.7-cm-size subrounded sedimentary rock; 60 cm: 2.6-cm-size subangular metamorphic; 74 cm: 2.0-cm-size subrounded sandstone; 83 cm: 3.7-cm-size rounded sedimentary rock; 92 cm: 1.5-cm-size subrounded siltstone; 97 cm: 1.1-cm-size subrounded siltstone; 101 cm: 1.4-cm-size subrounded siltstone; 105 cm: 1.0-cm-size subrounded siltstone; 108 cm: 4-cm-size rounded siltstone; 121 cm: 3.2-cm-size sedimentary rock; 134 cm: 1.2-cm-size subangular metamorphic rock; 135 cm: 2.0-cm-size subangular metamorphic rock; 146 cm: 1.1-cm-size subround siltstone; Section 2, 10 cm: round siltstone; 34 cm: 5.6-cm-size angular sedimentary rock; 45 cm: 3-cm-size angular siltstone; 38 cm: 2.7-cm-size subrounded sandstone; 64 cm: 1.4-cm-size angular silt; 68 cm: 1.5-cm-size subrounded siltstone; CC, 5cm: 5.0-cm-size subrounded siltstone, 32 cm, 2.5-cm-size subrounded siltstone. The core contains much smaller-sized (<1 cm) dropstones throughout.
2		M						
CC								



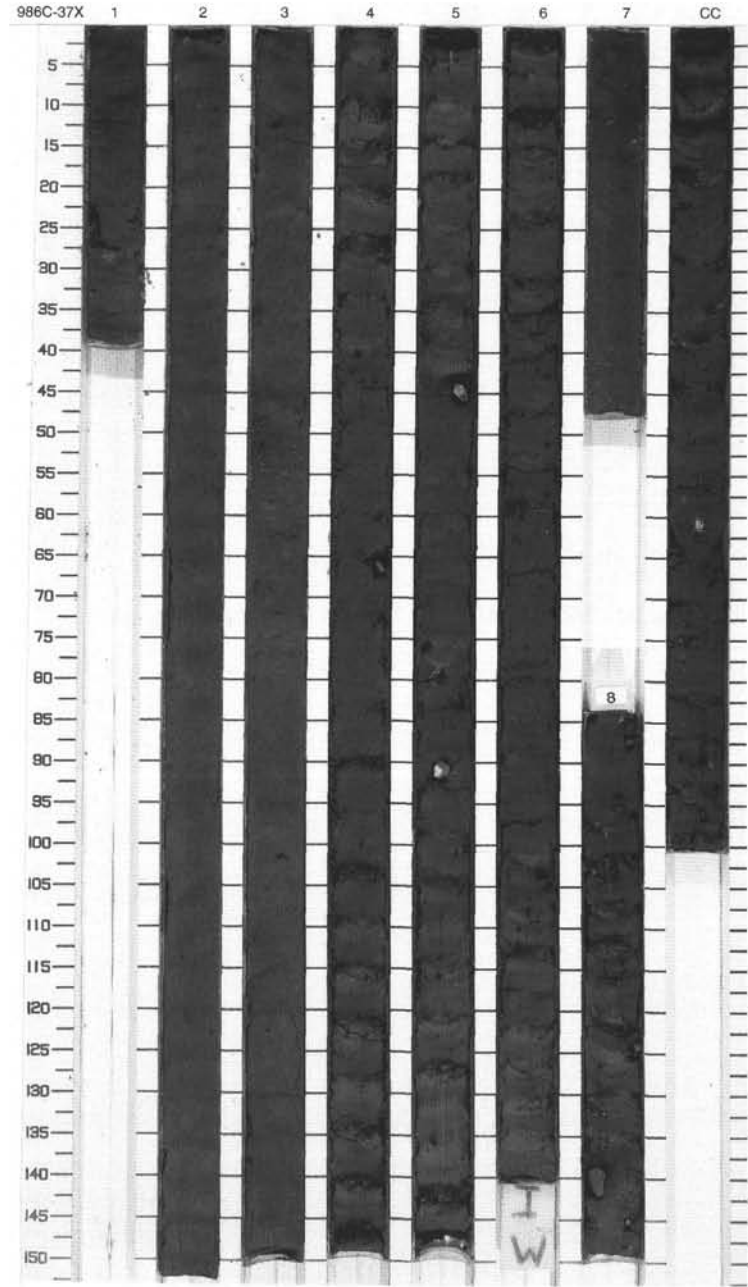
SITE 986 HOLE C CORE 36X

CORED 321.3 - 330.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1 CC	Pleistocene		---	S M	5Y 3/1	<p>SILT CLAY</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILT CLAY. The sediment is slightly disturbed throughout. Many dropstones are present:</p> <p>Section 1, 7 cm: 8-cm-size subround siltstone; 30 cm: 5.2-cm-size subround siltstone; 43 cm: 3.5-cm-size subround siltstone; CC, 3 cm: 3-cm-size angular siltstone; 14 cm: 5-cm-size angular siltstone; 22 cm: 4-cm-size angular siltstone.</p> <p>In addition, numerous small-sized (<1 cm) dropstones occur. CC is very firm.</p>



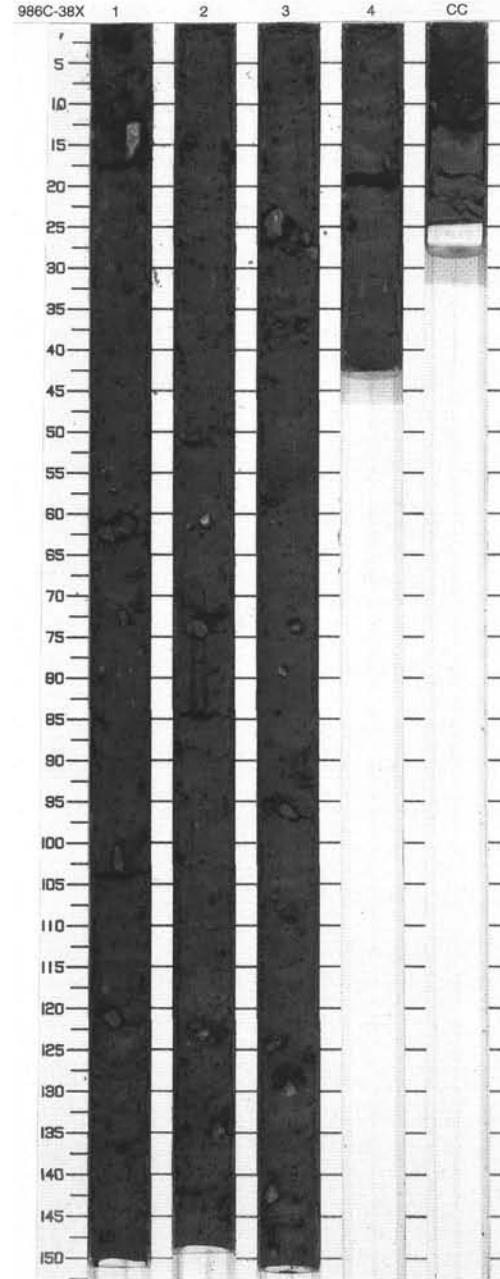
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Wavy line]	[Wavy line]	S	5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1 and 5G 3/1) SILTY CLAY. A very moist SANDY CLAY WITH SILT interval is present in Section 3, 43-70 cm (may be a turbidite). This core is moderately disturbed in Sections 1-3 and very disturbed due to coring in Sections 4-CC. Slight bioturbation and few small shell fragments occur throughout the entire core. Some silt-filled burrows are present in all sections.</p> <p>Dropstones: Section 1, 28-29 cm: 1.4-cm-size dark weathered sandstone; Section 4, 65-66 cm: 1.5-cm-size dark subangular weathered sandstone; Section 5, 43-45 cm: 1.8-cm-size subangular dark sandstone; 90-92 cm: 2.2-cm-size subrounded dark sedimentary rock; Section 8, 3-4 cm: 1-cm-size subrounded sandstone; 40-41 cm: 1-cm-size subrounded sandstone; 54-57 cm: 3-cm-size subrounded sandstone.</p>
2	[Hatched pattern]	2						
3	[Hatched pattern]	3						
4	[Hatched pattern]	4						
5	[Hatched pattern]	5						
6	[Hatched pattern]	6						
7	[Hatched pattern]	7						
8	[Hatched pattern]	8						
9	[Hatched pattern]	CC						
10	[Hatched pattern]							



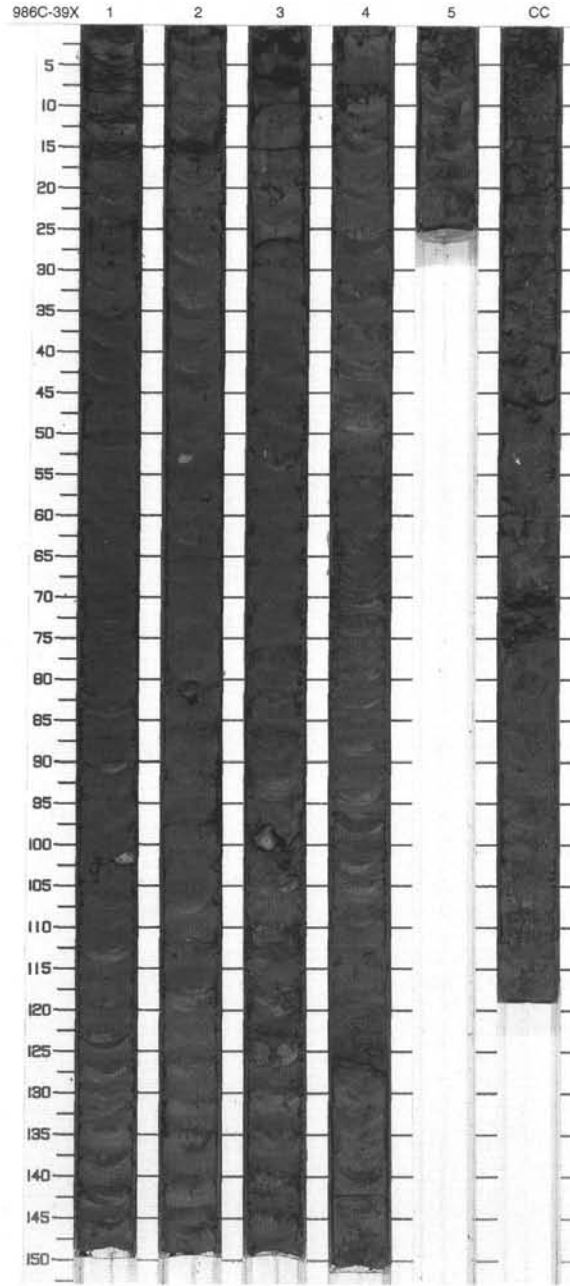
SITE 986 HOLE C CORE 38X

CORED 340.6 - 350.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Wavy line]	[Wavy line]	S	5Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY. A SANDY CLAY interval is present in the Core Catcher. Sediment is slightly bioturbated but the entire core is very disturbed due to dropstones and coring. Silt and sand filled burrows are present but not common. Mud clasts are present in Section 3, 36 cm and in Section 4, 33 cm.</p> <p>Dropstones: Section 1, 14—18 cm: 4.7-cm subrounded quartz-rich metamorphic rock; Section 1, 60—63 cm: 3.5-cm subrounded layered highly weathered sedimentary rock; Section 1, 72—73 cm: 1.8-cm subangular metamorphic rock; Section 1, 101—103 cm: 3.1-cm dark metamorphic rock; Section 1, 120—122 cm: 2-cm subangular sandstone;</p> <p>Section 2, 60—61 cm: 1.4-cm angular white quartz with chlorite; Section 2, 70—72 cm: 2-cm subangular dark sandstone; Section 2, 109—110 cm: 1.5-cm subangular dark igneous rock; Section 2, 122—123 cm: 1.2-cm subangular quartz-rich metamorphic rock; Section 2, 132—134 cm: 2-cm subrounded gray metamorphic rock; Section 3, 23—24 cm: 3.3-cm subrounded sandstone; 1.1-cm subrounded metamorphic rock; 1.4-cm rounded igneous rock; Section 3, 38—40 cm: 1.2-cm subangular sedimentary rock; Section 3, 72—73 cm: 1.2-cm subangular metamorphic rock; Section 3, 79—90 cm: 1.2-cm rounded quartz; Section 3, 90—92 cm: 2.4-cm subrounded sedimentary rock; Section 3, 127—129 cm: black organic-rich shale, Section 3, 124—126 cm: 2.2-cm subangular claystone; Section 3, 146—147 cm: subrounded sandstone.</p>
2	[Hatched pattern]	2		[Wavy line]	[Wavy line]	S		
3	[Hatched pattern]	3		[Wavy line]	[Wavy line]	S		
4	[Hatched pattern]	4		[Wavy line]	[Wavy line]	S		
5	[Dotted pattern]	CC		[Wavy line]	[Wavy line]	M		



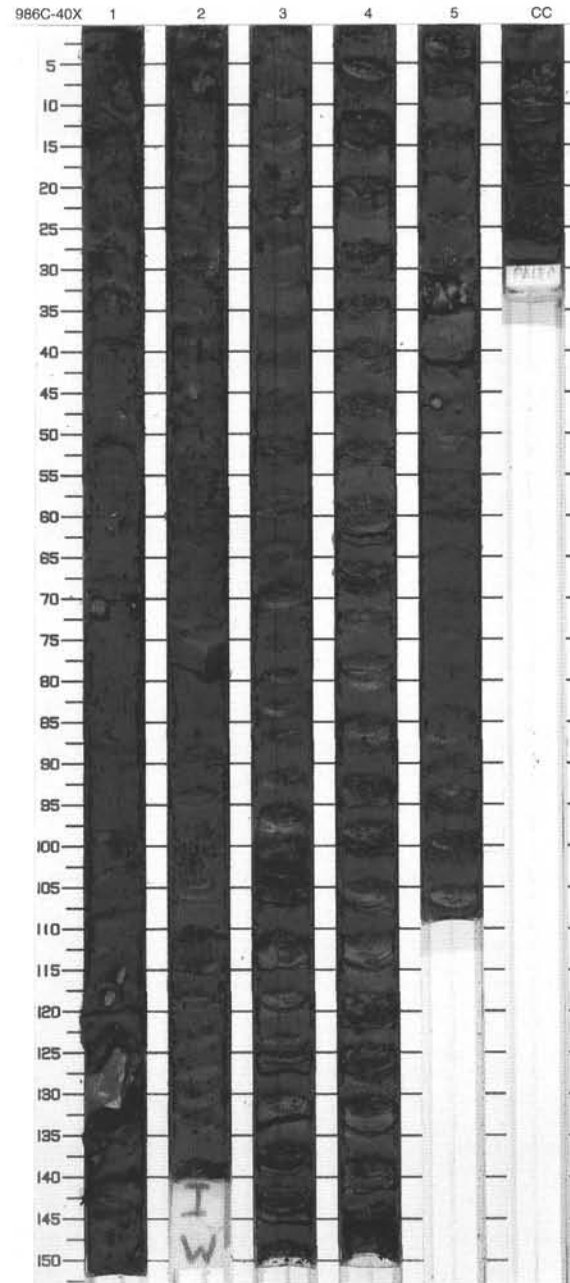
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	} } } } } } }		S	5G 3/1	SILTY CLAY General Description: This core contains very dark greenish gray (5G 3/1) SILTY CLAY. Sediment is very firm where intact. Core is biscuited throughout. Gas expansion has caused much of the sediment to extrude out of the Core Catcher during recovery. Core Catcher, 0—76 cm are highly disturbed. Silt filled burrows occur in Section 2, 52—53 cm, in Section 3, 17—18 cm, and in Section 4, 38—39 cm. SANDY SILT layers are present in Section 2, 14—15 cm and in Section 4, 117—127 cm, with bioturbated lower and upper contacts. Dropstones: Section 1, 101—102 cm: 3-cm-size subrounded sandstone; Section 2, 80—82 cm: 2-cm-size angular basalt(?); Section 3, 98—101 cm: 3-cm-size weathered subrounded sandstone.
2		2						
3		3						
4		4						
5		5						
6		5						
7		CC						



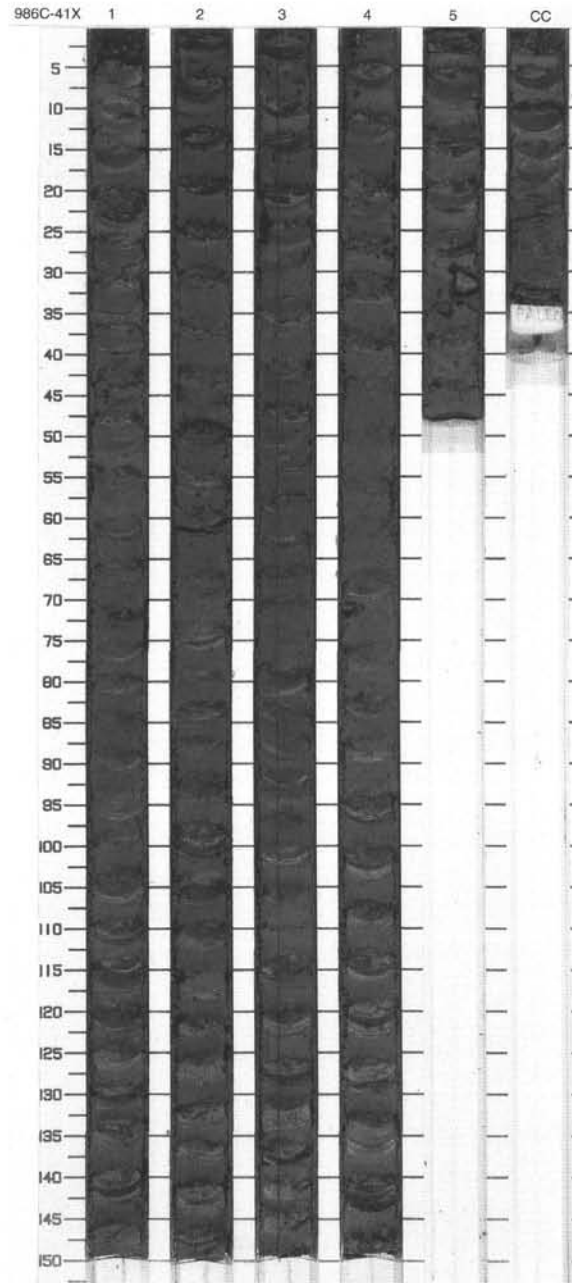
SITE 986 HOLE C CORE 40X

CORED 359.8 - 369.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	◇		S	5GY 4/1	<p>SILTY CLAY</p> <p>General Description: This core contains dark greenish gray (5G 4/1 and 5GY 4/1) SILTY CLAY. Sediment is slightly bioturbated but very disturbed in Sections 1–2 to highly biscuited in Sections 3–5. Sediment is very firm where intact. Sand and silt filled burrows are present in Section 1, 47, 55, 67, and 100 cm and in Section 2, 30 and 45 cm. Shell fragments are present in Section 1, 65 cm. A mud clast is situated in Section 3, 18 cm.</p> <p>Dropstones: Section 1, 70–72 cm: 2-cm-size subangular sandstone, 113–114 cm: 2-cm-size rounded sandstone, 116–117 cm: 2-cm-size subangular siltstone, 125–130 cm: 6.5-cm subangular weathered sandstone; Section 2, 30–35 cm: 5-cm-size highly weathered fissil sandstone, 45–46 cm: 1.8-cm-size sandstone.</p>
2		2		◇		I		
3		3		◆		I		
4		4		◇		S	5G 4/1	
5		5		◇		S		
6		5	◇		S			
7		CC			M			



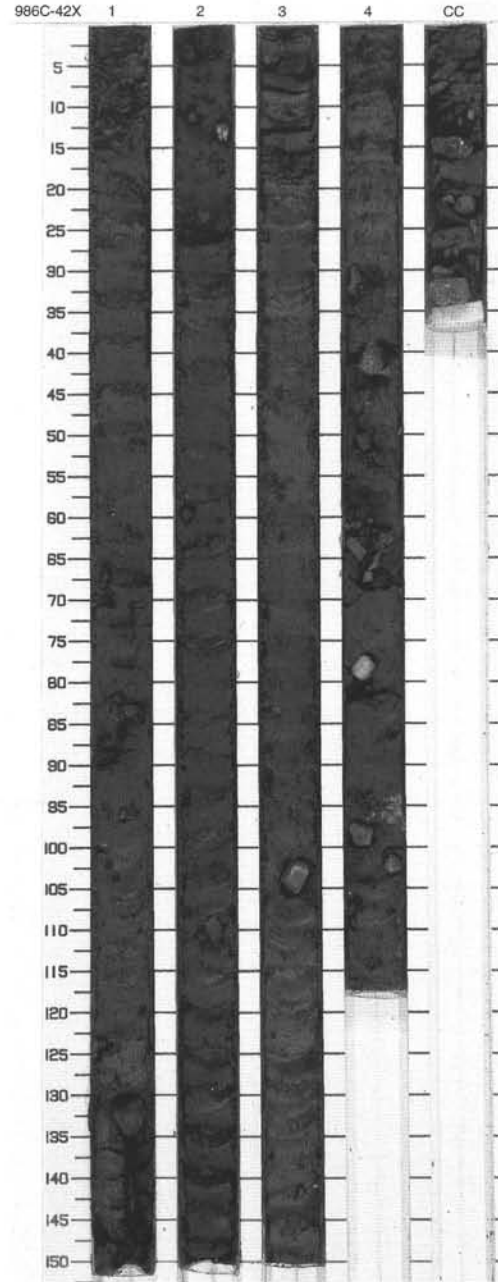
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Symbol]	[Symbol]	S	5G 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5G 3/1 and 5GY 3/1) SILTY CLAY. This core is biscuited due to drilling. Sediment is slightly bioturbated throughout the core. Silt-filled burrows are present in Section 3, 7 and 50 cm and in Section 4, 8 cm. A mud clast is present in Section 4, 119 cm. Dropstones: Section 1, 71-72 cm: 1.6-cm-long dark rounded sandstone; Section 5, 30-32 cm: 2.8-cm-long subangular sandstone.</p>
2	[Hatched pattern]	2		[Symbol]	[Symbol]	S		
3	[Hatched pattern]	3		[Symbol]	[Symbol]			
4	[Hatched pattern]	4		[Symbol]	[Symbol]		5GY 3/1	
5	[Hatched pattern]	4		[Symbol]	[Symbol]			
6	[Hatched pattern]	5		[Symbol]	[Symbol]			
		CC				M		



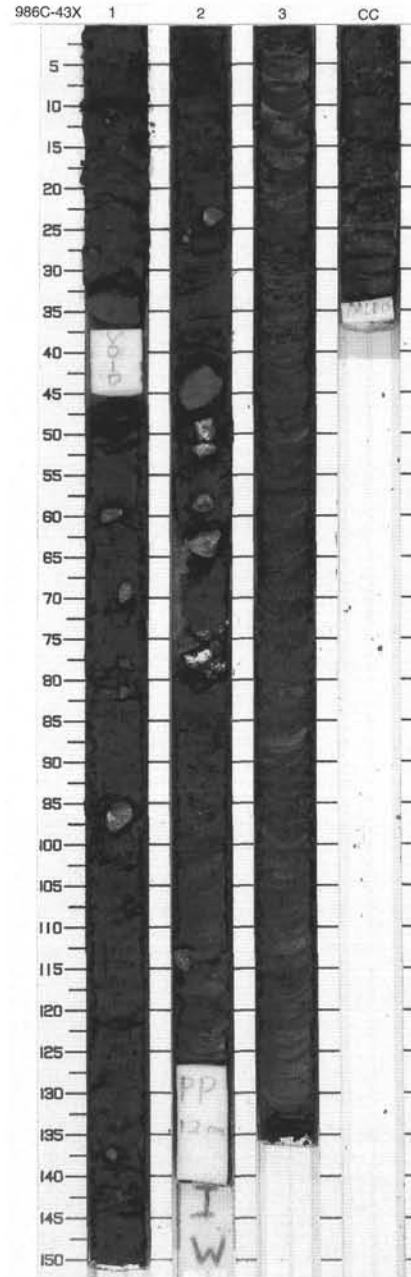
SITE 986 HOLE C CORE 42X

CORED 379.1 - 388.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	Pleistocene	[Symbol]	[Symbol]	S	10Y 3/1	<p>SILTY CLAY and SILTY CLAY WITH SAND</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY WITH SAND and very dark greenish gray (5GY 3/1) SILTY CLAY. Sediment is very firm. The silty clay interval contains fewer dropstones. Minor sulfides are mixed with some of the dropstones. Bioturbation is difficult to see due to coring disturbance and to the large number of dropstones.</p> <p>Dropstones: Section 1, 81 cm: 1.3-cm light gray subr. quartzite; 82 cm: 2.3-cm subr. gray cryst. quartzite; 96 cm: 1.3-cm subr. gray quartzite; 128 cm: 1.8-cm black subr. quartzite; 129 cm: 1.1-cm subr. igneous cryst. rock; 130 cm: 4.3-cm black subr. igneous cryst. rock; Section 2, 10 cm: 1.3 cm suba. light gray igneous cryst. rock; 10 cm: 2.4-cm subr. gray metamorphic rock; 25 cm: 1.2-cm suba. black pyritic mudstone; 58 cm: 1.6-cm subr. layered light gray igneous cryst. rock; 109 cm: 3.5-cm subr. dark gray sandstone; Section 3, 16 cm: 1.5-cm black r. siltstone; 102 cm: 4.1-cm r. limestone; 141 cm: 1.4-cm shiny black suba. metamorphic rock; Section 4, 30 cm: 5.2-cm black suba. metamorphic rock; 47 cm: 3.4-cm dark gray layered subr. limestone; 66 cm: 2.4-cm black subr. sandstone; 76 cm: 2.9-cm gray r. limestone; 80 cm: 3.1-cm suba. gray sandstone; 96 cm: 3-cm subr. pyritic coated cryst. rock; 101 cm: 2.6-cm gray subr. cryst. rock; 113 cm: 1.3-cm suba. gray cryst. rock; CC, 8 cm: 1.3-cm subr. limestone; 10 cm: 2.7-cm r. limestone; 12 cm: 2.6-cm limestone; 15 cm: 5.8-cm black subr. quartzite; 20-cm: 4.2-cm subr. limestone; 20 cm: 2.9-cm subr. limestone; 27 cm: 2.6-cm subr. limestone; 30 cm: 6-cm suba. light gray quartzite.</p>
2	[Pattern]	2		[Symbol]	[Symbol]	S	5GY 3/1	
3	[Pattern]	3		[Symbol]	[Symbol]	S	5GY 3/1	
4	[Pattern]	4		[Symbol]	[Symbol]	S	5GY 3/1	
5	[Pattern]	4		[Symbol]	[Symbol]	S	10Y 3/1	
6	[Pattern]	CC		[Symbol]	[Symbol]	M	10Y 3/1	



Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0-1	[Pattern]	1	Pleistocene	[Symbol]	[Symbol]	S	5Y 3/1	<p>SILTY CLAY and SILTY CLAY WITH INORGANIC CALCITE</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) SILTY CLAY and very dark gray (5Y 3/1) SILTY CLAY WITH INORGANIC CALCITE. The core is disturbed by dropstones in Sections 1-2 then biscuited due to drilling. There is a void in Section 1, 37-45 cm. Some silt-filled burrows occur throughout. A shell fragment is present in Section 2, 94 cm. Precipitated calcite occurs around a large dropstone in Section 3, 74-80 cm.</p>
1-2	[Pattern]	2						
2-3	[Pattern]	3						
3-4	[Pattern]	3						
4	[Pattern]	CC				M	10Y 3/1	<p>Dropstones: Section 1, 35-37 cm: 7-cm black suba. igneous rock; 59-61 cm: 3-cm suba. gray siltstone; 70-72 cm: 2-cm suba. gray siltstone; 78-79 cm: 1.3-cm highly weathered sandstone; 95-98 cm: 3.5-cm subangular igneous rock; 107-109 cm: 1.2-cm light gray suba. quartzite; 142-143 cm: 1.7-cm suba. dark sandstone; Section 2, 23-25 cm: 2.4-cm a. dark metamorphic rock; 27-28 cm: 1-cm gray suba. siltstone; 41-45 cm: 6-cm subr. dark igneous rock; 46-50 cm: two 4-cm a. quartzites; 55-58 cm: 3.3-cm r. dark igneous rock; 60-64 cm: 4.8-cm suba. metamorphic rock; 57-58 cm: 3-cm dark subr. sandstone; 74-76 cm: 3-cm long dark metamorphic rock; 113-115 cm: 3-cm claystone.</p>



SITE 986 HOLE C CORE 44X CORED 398.3 - 408.0 mbsf

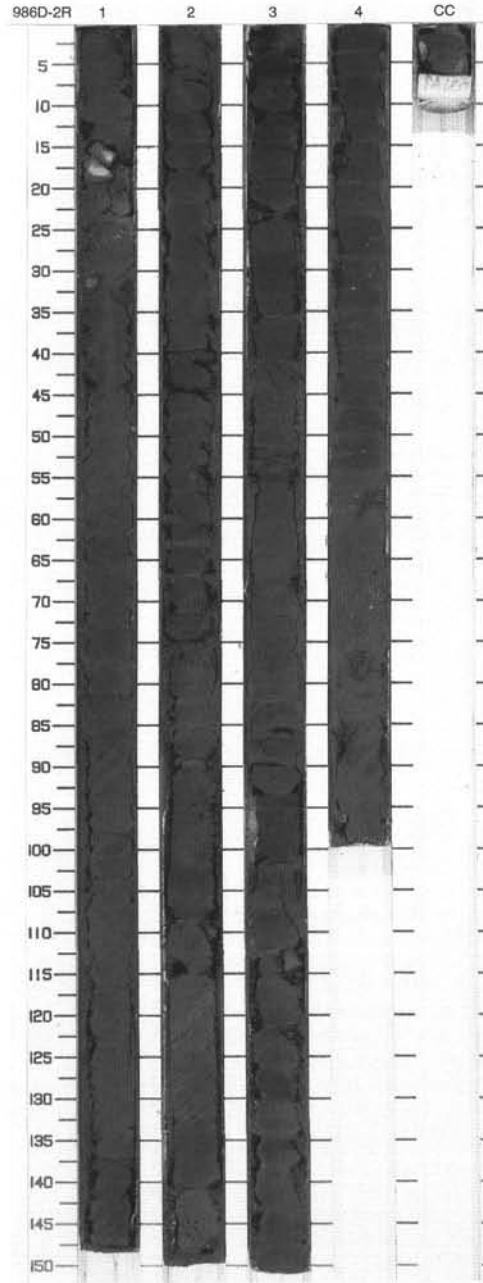
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Wavy line pattern]	[Sawtooth pattern]	S	5Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) SILTY CLAY. The entire core is highly disturbed by drilling (biscuited). Sediment is very firm where intact. Silt- and sand-filled burrows occur in Section 3, 57 and 105 cm. A light brown carbonate concretion is present in Section 2, 29-31 cm.</p>
2	[Hatched pattern]	2						
3	[Hatched pattern]	3						
4	[Hatched pattern]	CC				M		

SITE 986 HOLE D CORE 1R CORED 387.8 - 397.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1						<p>DROPSTONES</p> <p>General Description: This core contains 5 dropstones: 5.0-cm-size gray siltstone; 4.0-cm-size dark gray siltstone; 2.4-cm-size light gray siltstone; 3.5-cm-size gray siltstone; 2.2-cm-size black claystone;</p>



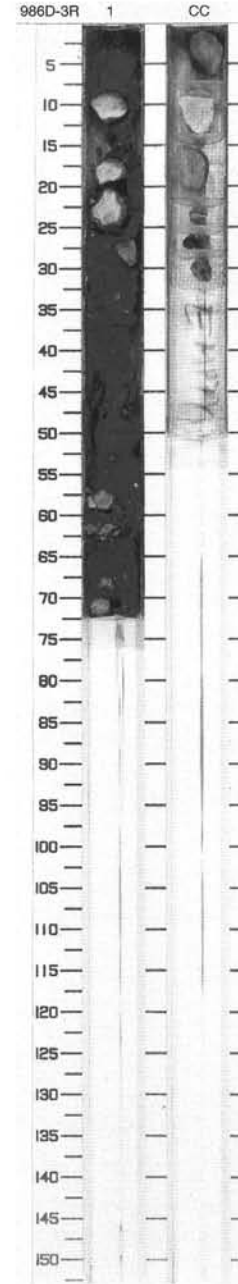
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	- - -		S	5GY 3/1 To 10Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1 to 10Y 3/1) SILTY CLAY. The sediment is slightly biscuited throughout. Several slight gradational color changes occur throughout the core. Few small-sized (<1.0 cm) and large-sized (>1.0 cm) dropstones are present: Section 1, 12 cm: 1.3-cm-sized subangular black claystone, 14 cm: 3.3-cm-sized and 3.5-cm-sized subangular siltstones; 30 cm: 2.9-cm-sized subangular siltstone; Section 2, 81 cm: 1.2-cm-sized subangular black claystone; Section 3, 85 cm: 1-cm-sized rounded siltstone, 99 cm: subangular siltstone; CC, 5 cm: 2.5-cm-sized subrounded siltstone.</p>
2	[Hatched pattern]	2		- - -				
3	[Hatched pattern]	3		- - -				
4	[Hatched pattern]	4		- - -				
5	[Hatched pattern]	4		- - -				
		CC				M		



SITE 986 HOLE D CORE 3R CORED 407.1 - 416.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1 CC	↑ Pleistocene	◇ ◇ ◇	--- W	M	5Y 3/1	<p>SILTY CLAY WITH GRAVEL</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY WITH GRAVEL. Many small (<1.0 cm) dropstones are present in addition to the following: Section 1: 8 cm: 4.6-cm-sized subrounded igneous rock; 16 cm: 4.5-cm-sized subangular limestone; 19 cm: 6.2-cm-sized subrounded limestone; 46 cm: 1.2-cm-sized black angular metam. rock; 47 cm: 1.3-cm-sized flat black shist; 52 cm: 1.1-cm-sized gray subang. sedimentary rock; 57 cm: 3.5-cm-sized subang. yellowish limestone; 61 cm: 2.0-cm-sized yellowish limestone; 1.6-cm-sized brownish limestone; 67 cm: 2.7-cm-sized subrounded black sedimentary rock; 70 cm: 3.0-cm-sized light subrounded igneous rock; 71 cm: 1.0-cm-sized light subang. igneous rock; Section CC: 5.7-cm-sized dark-brownish subrounded sedimentary rock; 5.8-cm-sized brownish subrounded limestone; 5.8-cm-sized dark subrounded metamorphic rock; 2.6-cm-sized subangular limestone; 2.4-cm-sized subangular igneous rock; 1.9-cm-sized subrounded sedimentary rock; 3.1-cm-sized subangular gray limestone.</p>

986D-04R NO RECOVERY



SITE 986 HOLE D CORE 5R CORED 426.3 - 435.9 mbsf

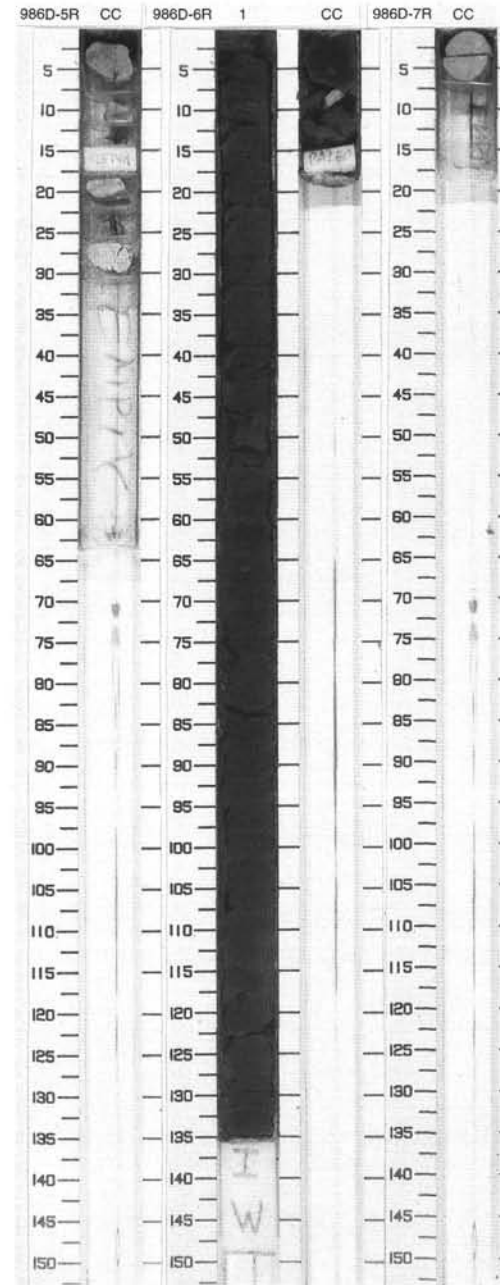
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC		◇ ◇ ◇		M		DROPSTONES
			Pleistocene					<p>General Description: This core contains 11 dropstones: 5.7-cm subrounded gray siltstone; 5.0-cm subrounded quartzite; 3.5-cm subrounded gray siltstone; 2.2-cm subangular gray siltstone; 2.5-cm subangular gray siltstone; 1.2-cm subangular gray sandstone; 5.5-cm subrounded pinkish gray quartzite; 2.8-cm subrounded gray meta-sandstone; 3.0-cm subrounded pinkish gray quartzite; 4.2-cm subangular dark gray siltstone; 3.6-cm subangular dark gray siltstone.</p>

SITE 986 HOLE D CORE 6R CORED 435.9 - 445.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Pleistocene			S	5GY 3/1	SILTY CLAY
		CC		◇		M		<p>General Description: This core contains very dark greenish gray (5GY 3/1) SILTY CLAY. The sediment is biscuitied throughout. The sediment contains few small black spots (probably pyrite) throughout the core. A pyrite nodule is present in Section 1, 118 cm. The core contains a 3.5-cm-sized angular siltstone in CC, 8 cm.</p>

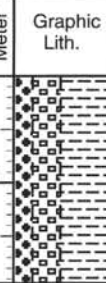
SITE 986 HOLE D CORE 7R CORED 445.5 - 455.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC						DROPSTONE
								<p>General Description: This core contains a 5.5-cm gray limestone (micrite).</p>



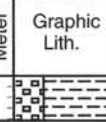
SITE 986 HOLE D CORE 8R

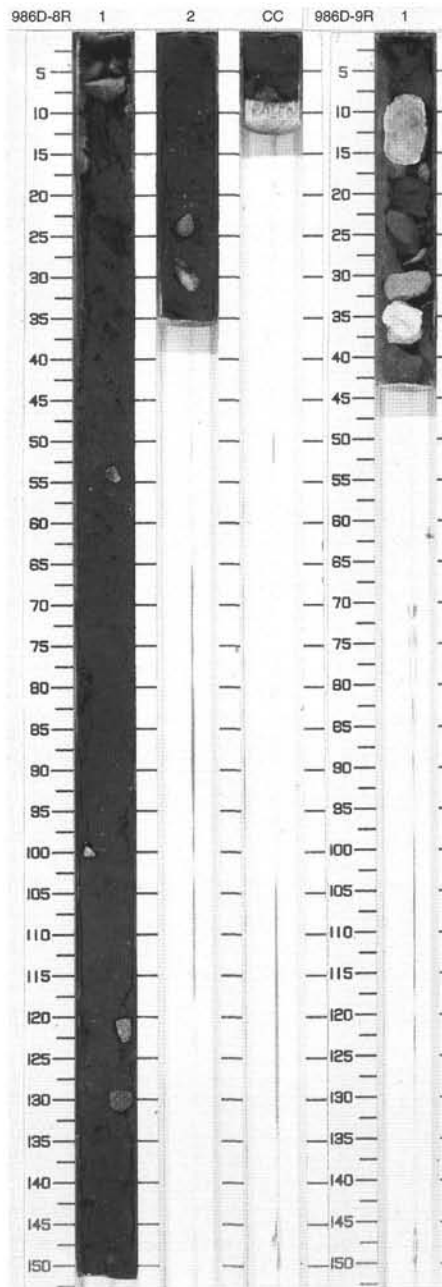
CORED 455.1 - 464.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Pleistocene	◇	W	S	5Y 4/1	SILTY CLAY WITH INORGANIC CALCITE (AND GRAVEL) General Description: This core contains dark gray (5Y 4/1) SILTY CLAY WITH INORGANIC CALCITE (AND GRAVEL). The core is slightly disturbed due to dropstones and gravel.
		2		◇	---			
<p>Dropstones:</p> <p>Section 1, 0–6 cm: 6-cm subrounded layered sedimentary rock; 53–54 cm: 2 cm subrounded limestone; 99–100 cm: 1.3-cm angular quartz; 120–123 cm: 3-cm subrounded granite; 128–131 cm: 2.5-cm rounded granite;</p> <p>Section 2, 22–25 cm: 3-cm rounded sedimentary rock; 27–31 cm: 5-cm rounded limestone (with recrystallized foraminifers or pelloids);</p> <p>Core Catcher, 6–8 cm: subangular 2-cm quartzite.</p>								

SITE 986 HOLE D CORE 9R

CORED 464.7 - 474.3 mbsf


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	▲	◇	W	S	5Y 3/1	SILTY CLAY WITH INORGANIC CALCITE
			Pleistocene					<p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY WITH INORGANIC CALCITE (25%) in Section 1, 0–8 and 18–22 cm. The rest of the section contains several dropstones.</p> <p>Dropstones: Section 1, 8–16 cm: 9-cm subrounded light quartzite, 16–18 cm: 2.5-cm subangular dark sandstone; 2.7-cm dark subangular sandstone; 2.6-cm subangular metamorphic rock; 24–29 cm: 5.6-cm dark gray subangular sandstone; 1.2-cm dark angular metamorphic rock; 1.9-cm, dark angular limestone; 29–33 cm: 6-cm subrounded light gray coarse-grained quartz and amphibole-rich igneous rock (granite?); 33–34 cm: 3.8-cm light gray subrounded fine-grained limestone (micrite); 35–39 cm: 4.8-cm white subangular quartz; 39–42 cm: 5-cm dark angular layered limestone.</p>



SITE 986 HOLE D CORE 10R CORED 474.3 - 483.9 mbsf

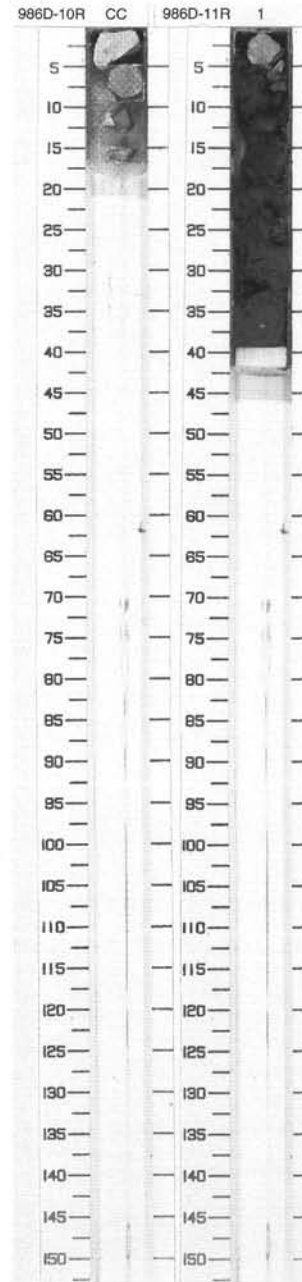
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC						DROPSTONES
<p>General Description: Core Catcher, 0–5 cm: 6.2-cm light gray subangular limestone; Core Catcher, 5–10 cm: 4.5-cm dark subangular limestone (micrite); Core Catcher, 10–14 cm: 2-cm light gray limestone; 3-cm dark brown subrounded limestone (micrite); Core Catcher, 14–17 cm: 4-cm subangular quartz-rich igneous or metamorphic rock.</p>								

SITE 986 HOLE D CORE 11R CORED 483.9 - 493.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1		◇	W	S M	5Y 3/1	SILTY CLAY WITH INORGANIC CALCITE (AND GRAVEL)
<p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY WITH INORGANIC CALCITE (AND GRAVEL).</p> <p>Dropstones: Section 1, 0–4 cm: 4.8-cm subangular dark limestone; 4–10 cm: 2.9-cm subangular very light gray limestone (micrite); 2.2-cm subangular light brownish siltstone; 1.2-cm dark angular limestone; 2.2-cm dark subrounded highly weathered granite; 1.8-cm light grayish brown subangular siltstone; 2-cm dark subangular metamorphic rock; 1.5-cm rounded light gray limestone.</p>								

986D-12R NO RECOVERY

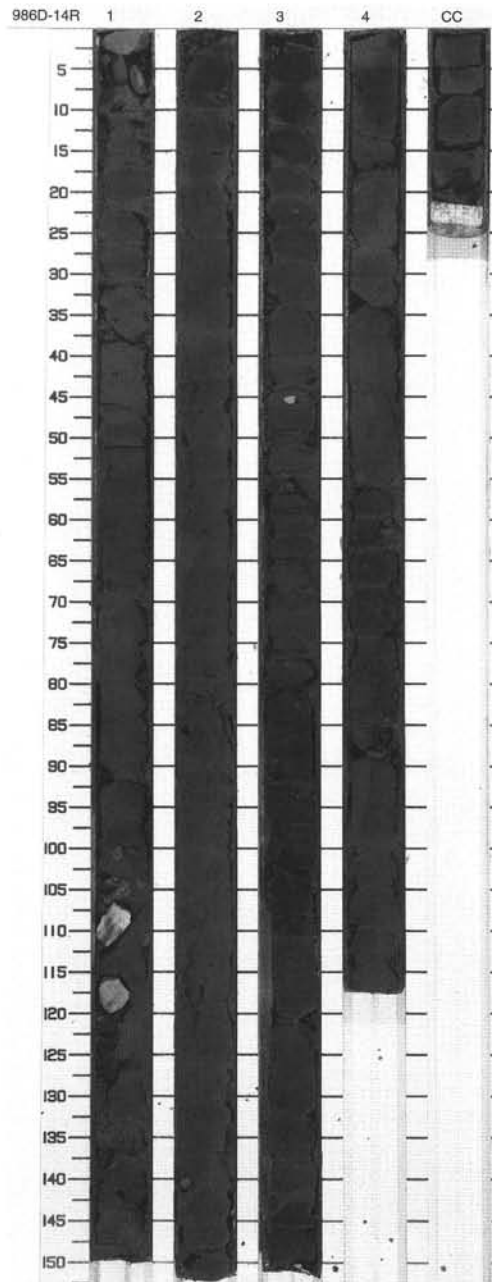
386D-13R NO RECOVERY



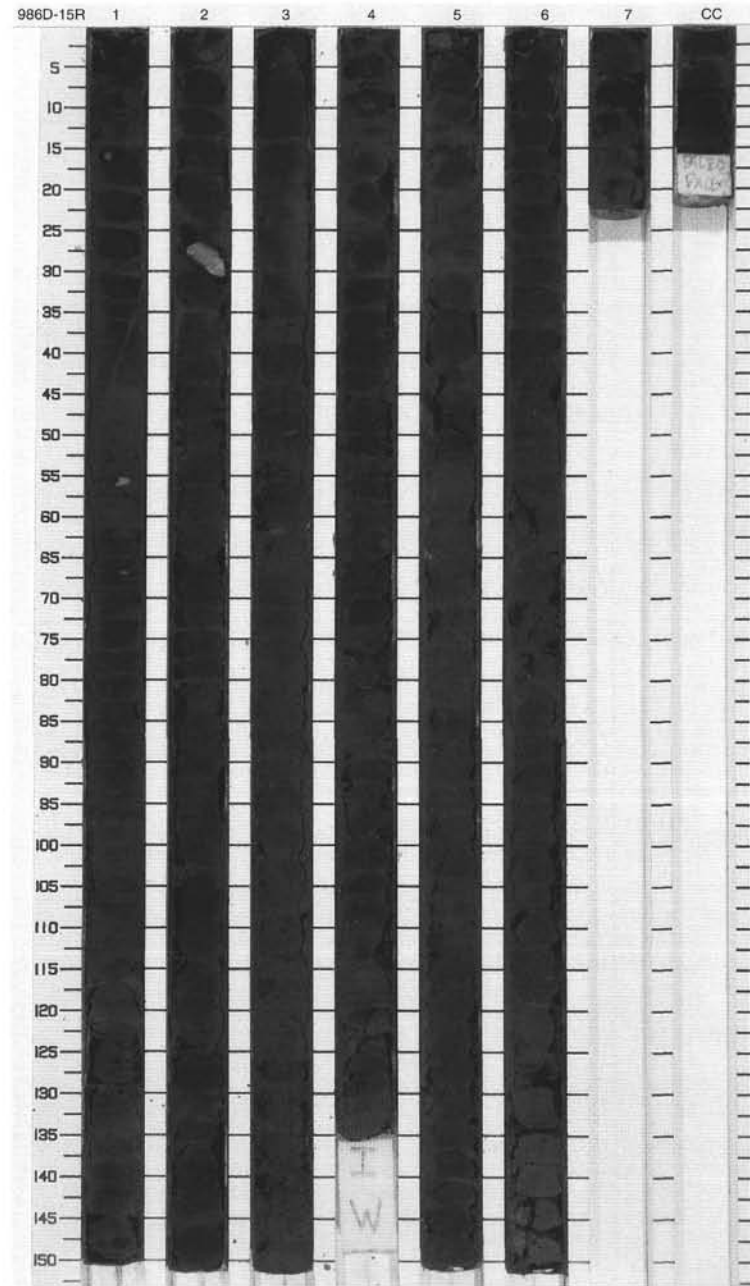
SITE 986 HOLE D CORE 14R

CORED 512.7 - 522.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	[Wavy line]	[Wavy line]	S	5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) SILTY CLAY. The core is moderately to very disturbed due to drilling. Sediment is very firm where intact and seems to be in place. Small numbers of gravel occur throughout the entire core. The core is slightly bioturbated throughout.</p> <p>Dropstones: Section 1, 0–2 cm: 6.5-cm subrounded gray sandstone, 2–3 cm: 4.7-cm subangular gray sandstone; 4.1-cm subangular gray sandstone; 5–7 cm: 2.5-cm subangular gray sandstone; 3.8-cm subangular gray sandstone; 101–102 cm: 1.1-cm light gray subangular sandstone; 103–106 cm: 2.4- and 3.5-cm light gray layered limestone (slightly metamorphized); 112–113 cm: 1.5-cm light gray layered limestone (slightly metamorphized); 107–11 cm: 6.2-cm light gray layered limestone (slightly metamorphized); 116–119 cm: 4.5-cm subrounded sandstone; Section 2, 140–141 cm: 1.5-cm subrounded gray sandstone, Section 3, 45–46 cm: 1.5-cm light gray sandstone; Section 4, 15–16 cm: 2-cm dark gray subangular sedimentary rock fine-grained; 60–61 cm: 1.3-cm gray subangular sandstone.</p>
2	[Hatched pattern]	2		[Wavy line]	[Wavy line]			
3	[Hatched pattern]	3		[Wavy line]	[Wavy line]			
4	[Hatched pattern]	3		[Wavy line]	[Wavy line]			
5	[Hatched pattern]	4		[Wavy line]	[Wavy line]			
		CC				M		

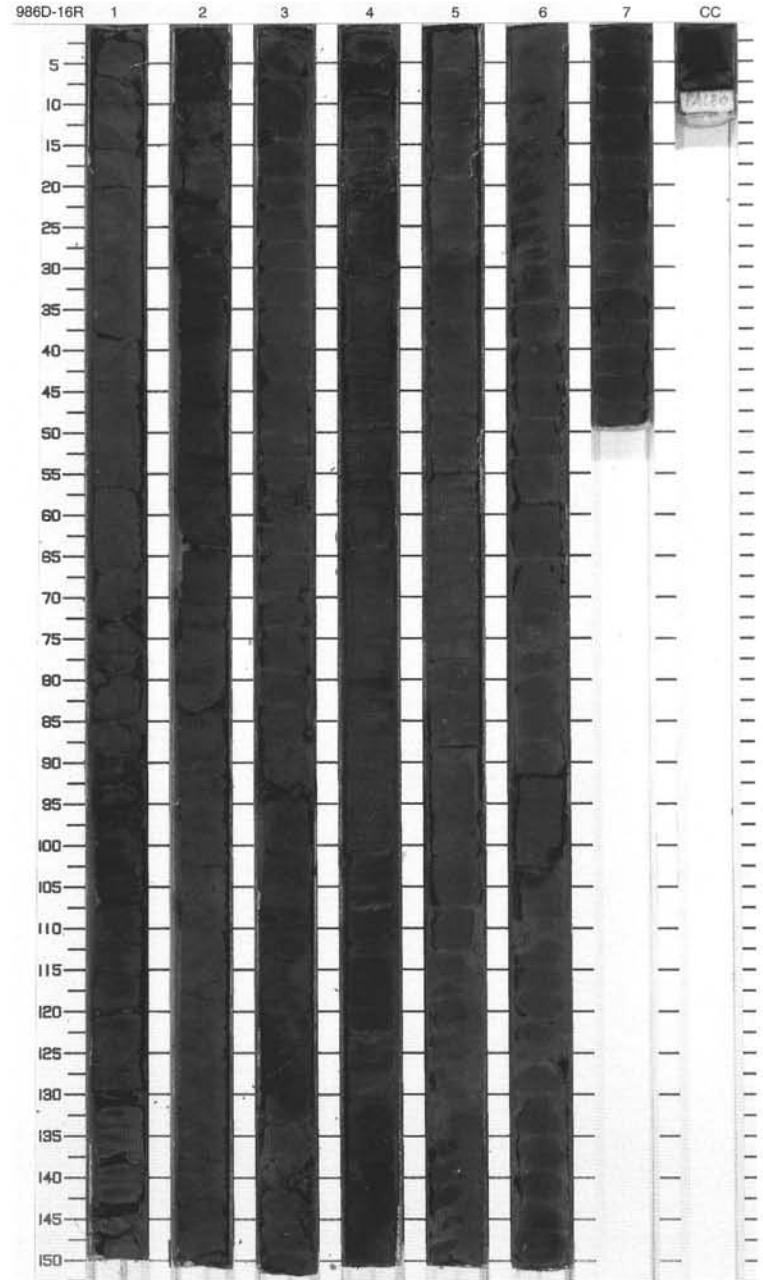


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	◇		S	5YR 3/1	<p>SILTY CLAY and SILTY CLAY WITH GRAVEL</p> <p>General Description: This core contains very dark greenish gray (5GY 3/1) and very dark gray (5YR 3/1) and black (10G 2.5/1) SILTY CLAY and SILTY CLAY WITH GRAVEL. The sediment is hard and fractured into biscuits by the drilling process. Soft sediment deformation, possibly part of a slump feature, is present in Section 5, 10-27 cm. No evidence of bioturbation was observed. Dropstones are present as follows: Section 1, 15 cm: 1.3-cm-long, subangular, pyrite covered mudstone; 55 cm: 2.1-cm-long, subangular, gray igneous crystalline; 66 cm: 1.8-cm-long subangular, gray igneous crystalline; Section 2, 26 cm: 6-cm-long, subrounded, gray igneous crystalline; Section 3, 34 cm: 1.2-cm-long, subangular, gray igneous crystalline; 48 cm: 1.2-cm-long, gray subangular igneous crystalline; 48 cm: 1.5-cm-long, dark brown mudstone; 62 cm: 2.2-cm-long, subangular igneous crystalline; Section 5, 0 cm: 22.6-cm-long, subrounded buff, sandstone; and Section 6, 3-cm: 1.7-cm-long, layered siltstone; 44 cm: 1.0-cm-long, subangular sandstone; 47 cm: 1.9-cm-long layered, brown siltstone; 62 cm: 3.3-cm long, layered brown siltstone. Most of these dropstones were not removed for measurement.</p>
2	[Hatched pattern]	2		◇		S	5GY 3/1	
3	[Hatched pattern]	3		◇		S	5GY 3/1	
4	[Hatched pattern]	3		◇		S	5GY 3/1	
5	[Hatched pattern]	4		◇		S	10G 2.5/1	
6	[Hatched pattern]	4		◇		I	10G 2.5/1	
7	[Hatched pattern]	5		◇		S	5GY 3/1	
8	[Hatched pattern]	6	◇		S	5GY 3/1		
9	[Hatched pattern]	7			M			
	[Hatched pattern]	CC			M			

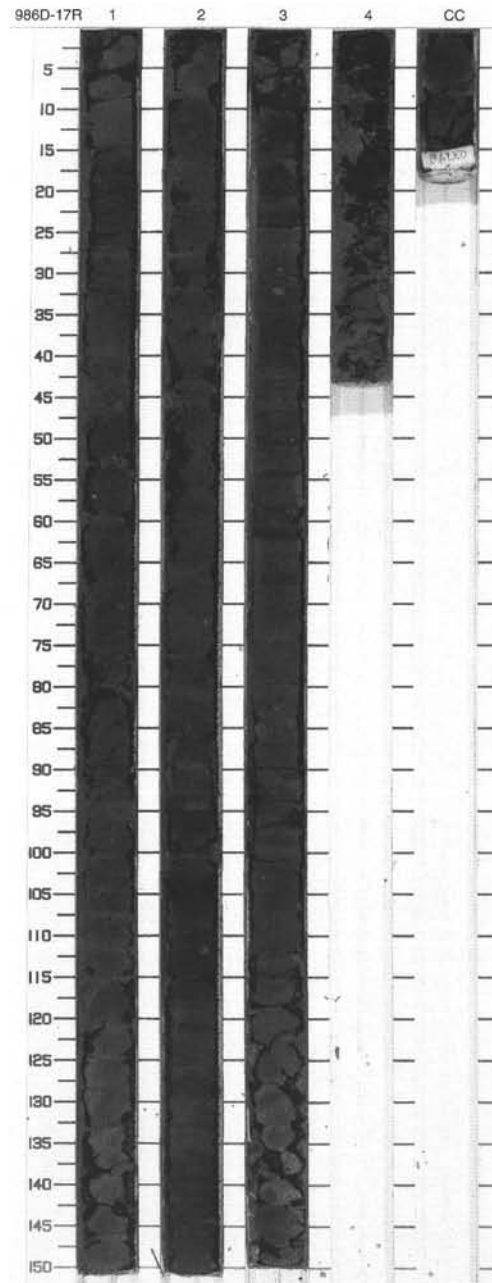


SITE 986 HOLE D CORE 16R CORED 531.9 - 541.5 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	◇	+		5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains hard, very dark greenish gray (10Y 3/1 and 5GY 3/1), very dark gray (5Y 3/1), and black (5Y 2.5/1) SILTY CLAY and SILTY CLAY WITH GRAVEL. Benthic foraminifers are visible on the surface of the darker sediment. The redder sediment (5Y 3/1) is more deformed by coring and is probably softer. Dropstones are present as follows: Section 1, 3.0-cm-long, buff sandstone; 90 cm: 1.2-cm-long igneous crystalline; Section 3, 65 cm: 1.2-cm-long, subrounded, igneous crystalline; Section 3, 65 cm: 1.2-cm-long, subrounded, igneous crystalline; Section 5, 64 cm: 1.0-cm-long, subrounded, igneous crystalline; 144 cm: 1.3-cm-long, subrounded igneous crystalline; and Section 6, 72 cm: 1.0-cm subrounded siltstone; 90 cm: 1.1-cm, subrounded, igneous crystalline.</p>
2	[Hatched pattern]	2	◇	+	S	5Y 2.5/1	
3	[Hatched pattern]	3	◇	+		5GY 3/1	
4	[Hatched pattern]	3	◇	+		10Y 3/1	
5	[Hatched pattern]	4	●	+	S	5Y 2.5/1	
6	[Hatched pattern]	5	◇	+		5GY 3/1 To 5Y 3/1	
7	[Hatched pattern]	6	◇	+	S	5GY 3/1	
8	[Hatched pattern]	7	◇	+		5Y 2.5/1	
9	[Hatched pattern]	7	◇	+	M	5Y 2.5/1	



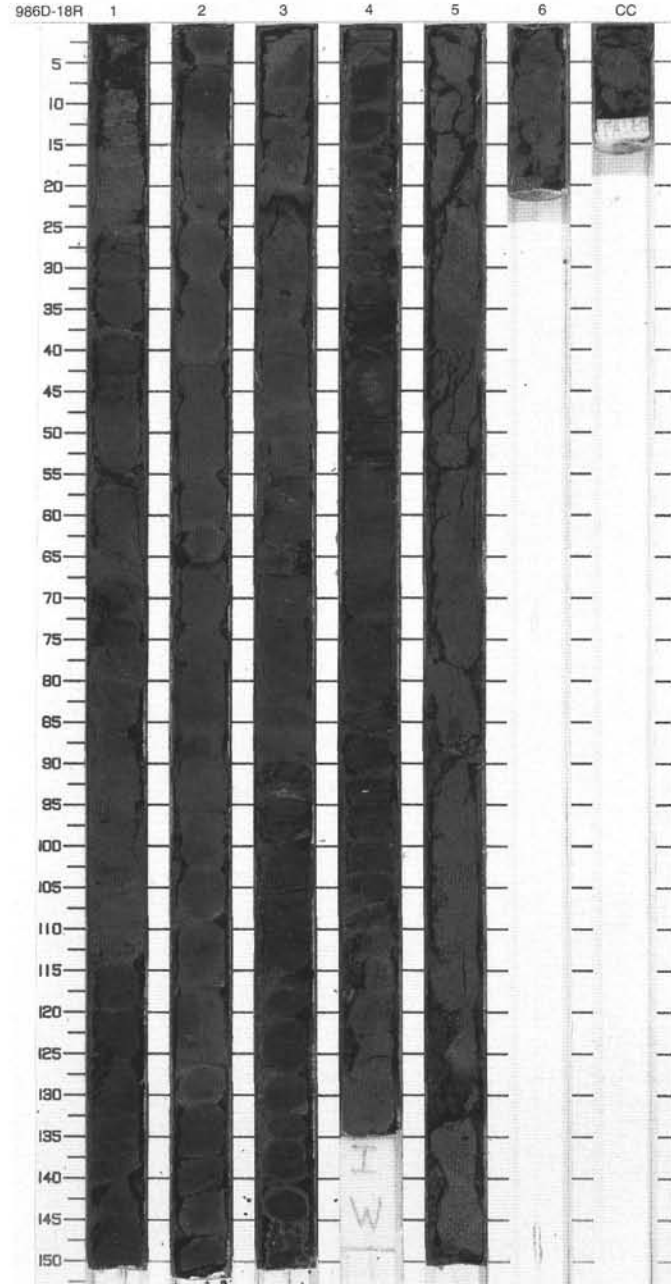
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	Pleistocene	P	[Vertical line pattern]	S	10Y 3/1 To 5GY 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1 to 5GY 3/1) SILTY CLAY. The sediment is moderately to highly disturbed throughout. Small-size (<1.0 cm) black spots are scattered throughout the core. Slightly coarser layers are present at Section 2, 118-120 cm and Section 3, 98-100 cm. The core contains several small-sized (<1.0 cm) and >1 cm-sized dropstones: Section 2, 37 cm: 1.2-cm subangular siltstone; 49 cm: 1.5-cm subangular siltstone; 112 cm: 1.1-cm subangular sandstone; Section 3, 2-7 cm: contain several fractured angular sedimentary rocks.</p>
2	[Hatched pattern]	2		P				
3	[Hatched pattern]	3		P				
4	[Hatched pattern]	4		P				
5	[Hatched pattern]	CC		M				



SITE 986 HOLE D CORE 18R

CORED 551.1 - 560.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	} ◆ ◇				CLAY WITH SILT General Description: This core contains very dark gray (10Y 3/1) CLAY WITH SILT. The sediment is disturbed to some extent throughout the core, with the disturbance ranging from moderately fractured (2–20 cm biscuits) to highly disturbed drilling slurry. Slight and gradational color and textural changes occur throughout the core. Numerous small clasts and stones occur, including three dropstones larger than 1.0-cm. A 4-cm-long burrow in Section 3, 58 cm, contains fine to coarse crystalline INORGANIC CALCITE. Small white (shell?) fragments are scattered in section 4. Dropstones: Section 1, 147 cm: 1.0-cm black claystone; Section 2, 124 cm: 1.3-cm gray metamorphic; Section 3, 17 cm: 1.6-cm gray siltstone.
2		2		} ◆ ◇				
3		3		} C ◆		S	10Y 3/1	
4		4		} X		S		
5		5		} }		I		
6								
7								
						M		



SITE 986 HOLE D CORE 19R CORED 560.7 - 570.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Pliocene-Pleistocene	}	-----	S	5Y 3/1	<p>SILTY CLAY and CLAYEY SILT WITH SAND</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY and very dark gray (10YR 3/1) CLAYEY SILT WITH SAND. The sediment is highly to moderately disturbed throughout most of the core, except of the interval Section 1, 8—26 cm. The sediment is firm at the top and soft within Sections 2 and 3. Internal structures are not visible, but the sediment is siltier below Section 1, 130 cm. A 1.6-cm-sized subangular black igneous rock is present in Section 2, 30 cm.</p>
2	[Hatched pattern]	2						
3	[Hatched pattern]	3						
4	[Hatched pattern]	3						
						M		

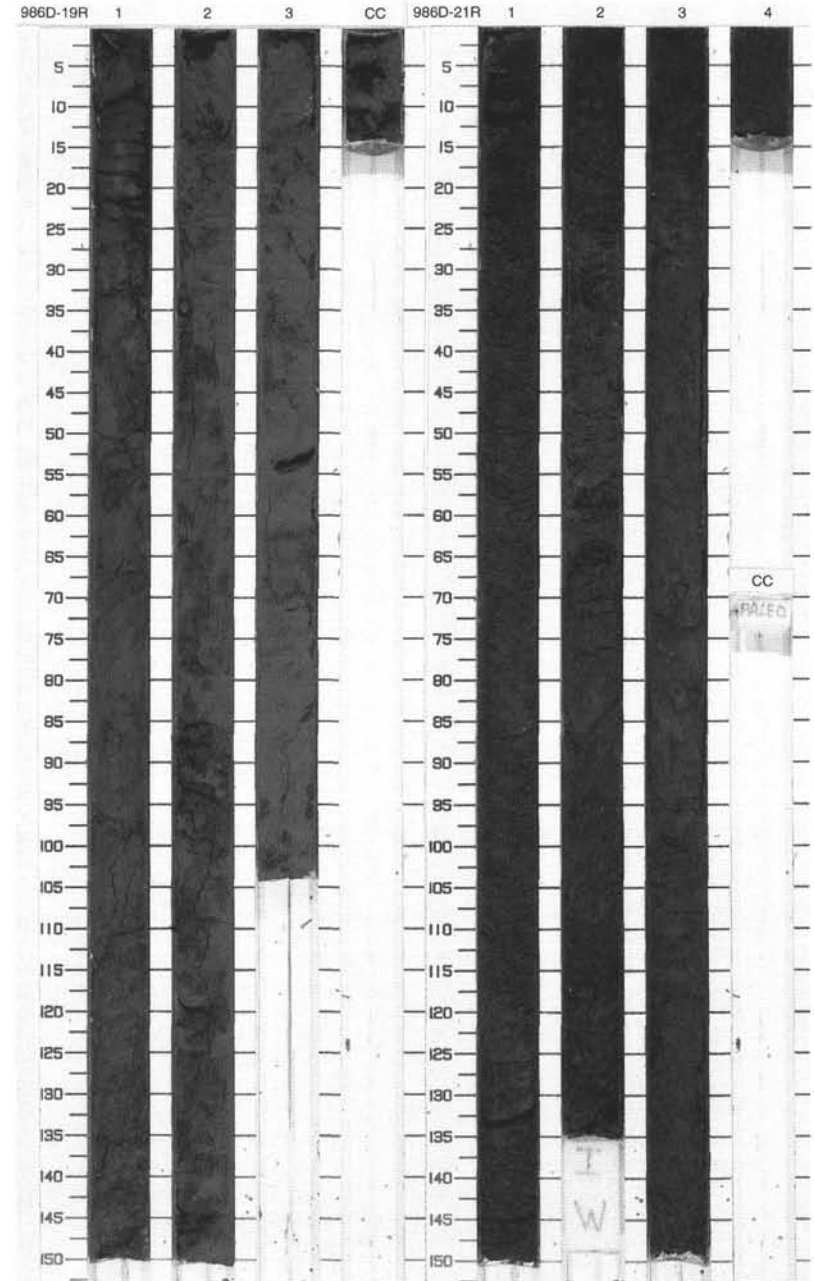
986D-20R Entire 0.01 m of core to paleontology

SITE 986 HOLE D CORE 21R CORED 580.0 - 589.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	late Pliocene-Pleistocene		-----	S	5Y 3/1	<p>SANDY SILT WITH CLAY</p> <p>General Description: This core contains very dark gray (5Y 3/1) SANDY SILT WITH CLAY. The sediment is soft, slightly moist in Section 2, 25—45 cm, and slightly disturbed throughout. Specific structures are not visible.</p>
2	[Dotted pattern]	2						
3	[Dotted pattern]	3						
4		??				M		


986D-22R NO RECOVERY

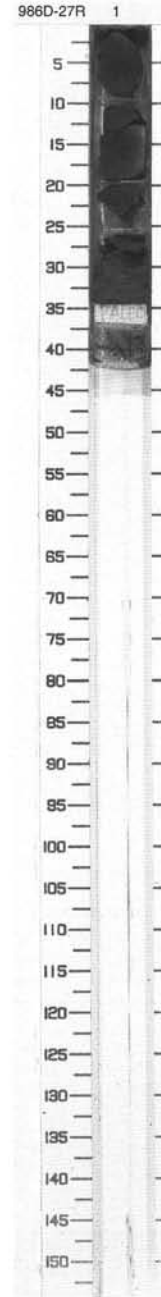
986D-23R NO RECOVERY



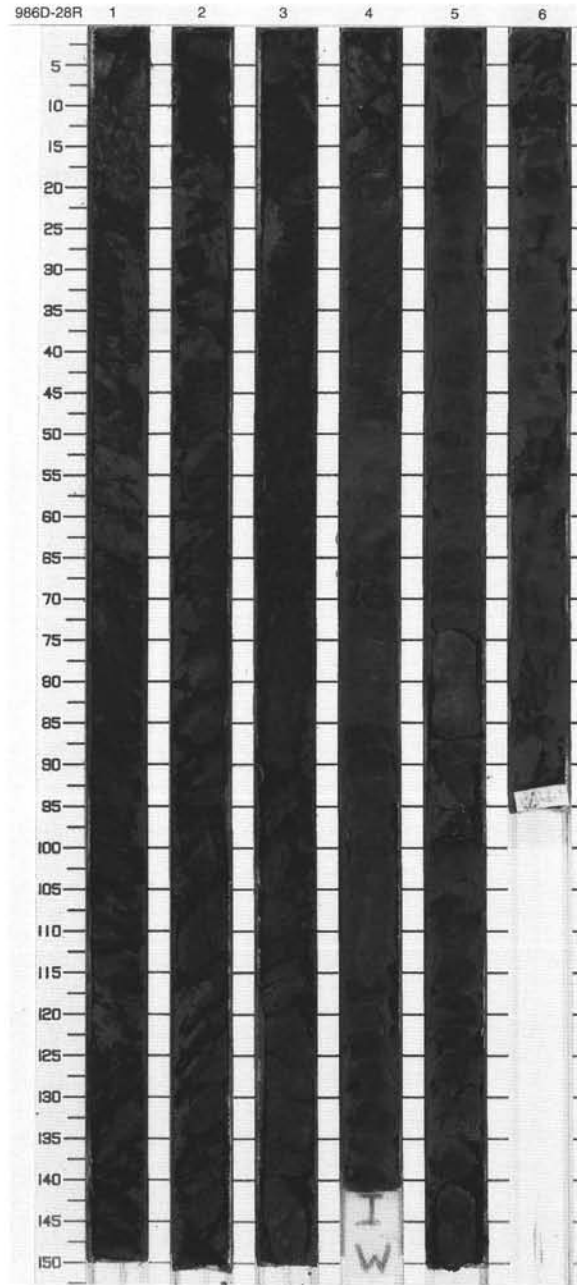
986D-24R NO RECOVERY
 986D-25R NO RECOVERY
 986D-26R NO RECOVERY

SITE 986 HOLE D CORE 27R CORED 637.7 - 647.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	▲	◇		M		SILTY CLAY WITH SAND
<p>late Pliocene-Pleistocene</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY WITH SAND in Section 1, 26—34 cm. The rest of the core contains dropstones.</p> <p>Dropstones: Section 1, 0—7 cm: 7-cm gray limestone; 8—17 cm: 9-cm gray limestone; 20—25 cm: subangular gray limestone.</p>								



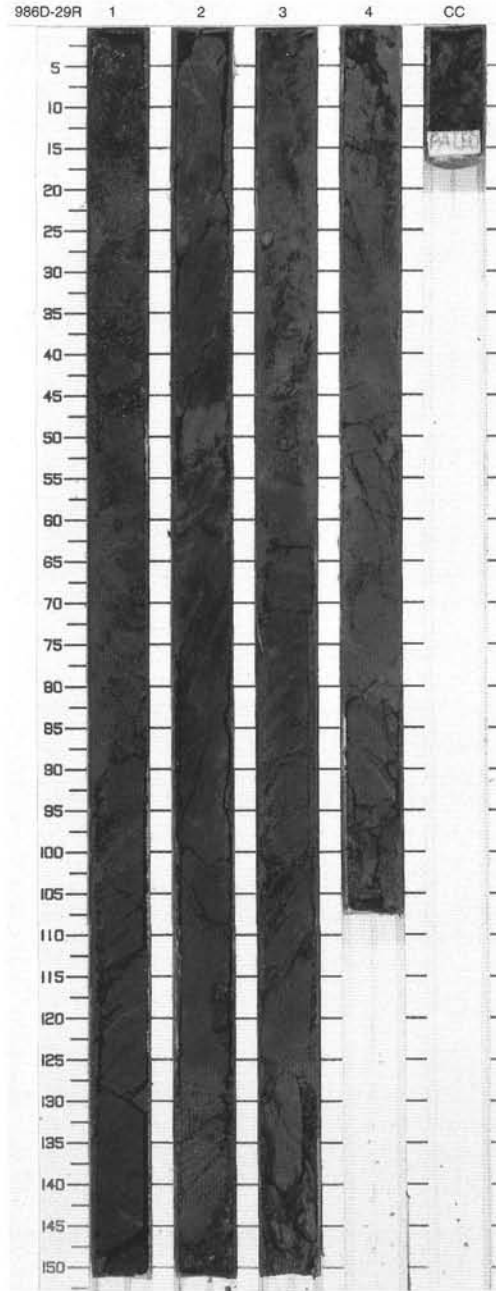
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1			XX	S	5Y 3/1	<p>SILTY CLAY WITH SAND and CLAY WITH SILT</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY WITH SAND and very dark gray (5YR 3/1) CLAY WITH SILT.</p> <p>The core is highly fractured in Sections 1—3 and 6. Sediment is biscuited in Sections 4—5. Sediment is firm where intact. Sediment is breaking along preferential plane, and shows inclined bedding probably due to drilling disturbance. There is no evidence of structures or bioturbation. The uppermost part of the core is sandy.</p>
2	[Horizontal dashed pattern]	2			XX	S	5Y 3/1	
3	[Horizontal dashed pattern]	3			XX	S	5Y 3/1	
4	[Horizontal dashed pattern]	4	late Pliocene-Pleistocene		XX	I	5YR 3/1	
5	[Horizontal dashed pattern]	5			XX	S	5YR 3/1	
6	[Horizontal dashed pattern]	6			XX	M		
7	[Horizontal dashed pattern]	??			XX			



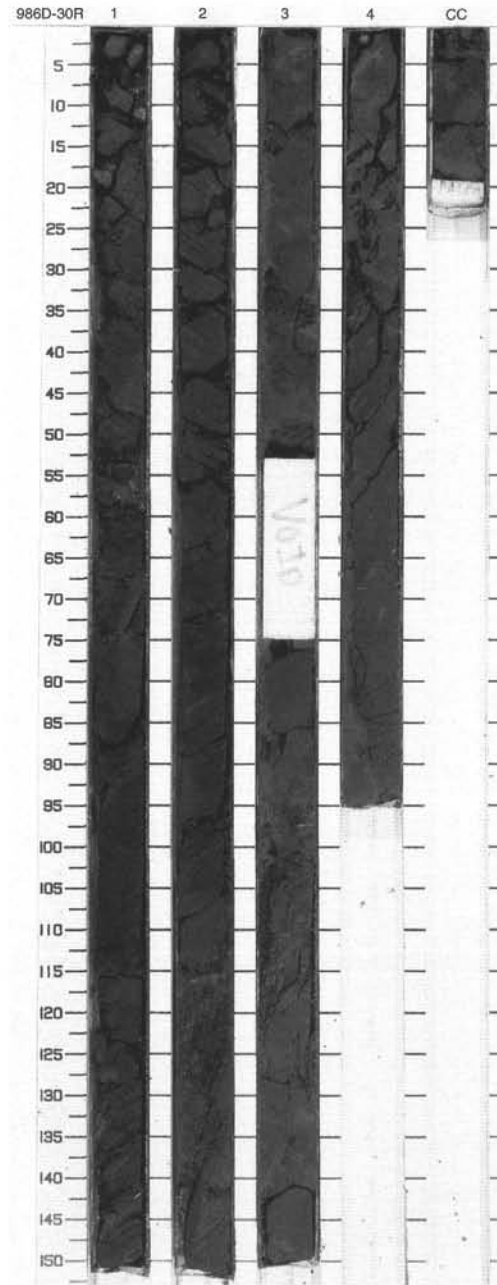
SITE 986 HOLE D CORE 29R

CORED 656.9 - 666.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	late Pliocene-Pleistocene	[Wavy lines]	[X pattern]	S	10Y 3/1	<p>CLAY WITH SILT and SILTY CLAY WITH SAND</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) CLAY WITH SILT and very dark gray (5Y 3/1) SILTY CLAY WITH SAND. This core contains several highly disturbed intervals. Sedimentary layering is at a high angle to the core (above 70 degrees from horizontal) defined by small color and composition changes (may be due to drilling?). From Section 3, 60 cm to the base of Section 2, sediment is coarser but too disturbed to see if any grading is present. Light brown clasts within this interval are composed of CLAY WITH SILT AND INORGANIC CALCITE. From Section 3, 107 cm through Section 4 base, bedding is not as well defined, but is still at a high angle from horizontal.</p>
2	[Dotted pattern]	2					5Y 3/1	
3	[Dotted pattern]	3					10Y 3/1	
4	[Dotted pattern]	4					5Y 3/1	
CC		??				M		



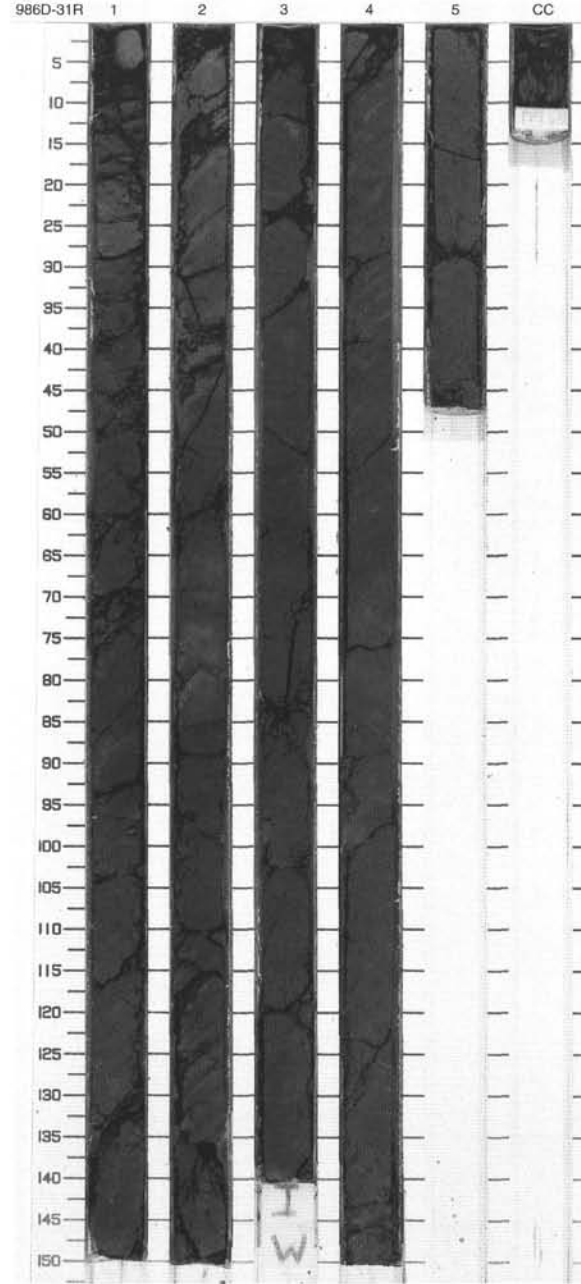
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Pliocene-Pleistocene	[Vertical lines]	[Vertical lines]	S	5YR 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (5Y 3/1 and 5YR 3/1) SILTY CLAY. The core contains fractured very hard sediment. There is no visible evidence of bioturbation. Bedding is difficult to see due to the dark color and sediment fracturing. In Section 4, 30—95 cm, sediment is contorted. In Section 4, 0 cm, there is a 2-cm-long rounded light brown carbonate cemented sandstone. Two stones are present at the top of the core but they are probably not in place.</p>
2	[Hatched pattern]	2					5Y 3/1	
3	[Hatched pattern]	3					5Y 3/1	
4	[Hatched pattern]	3					5Y 3/1	
5	[Hatched pattern]	4					5YR 3/1	
	CC??					M		



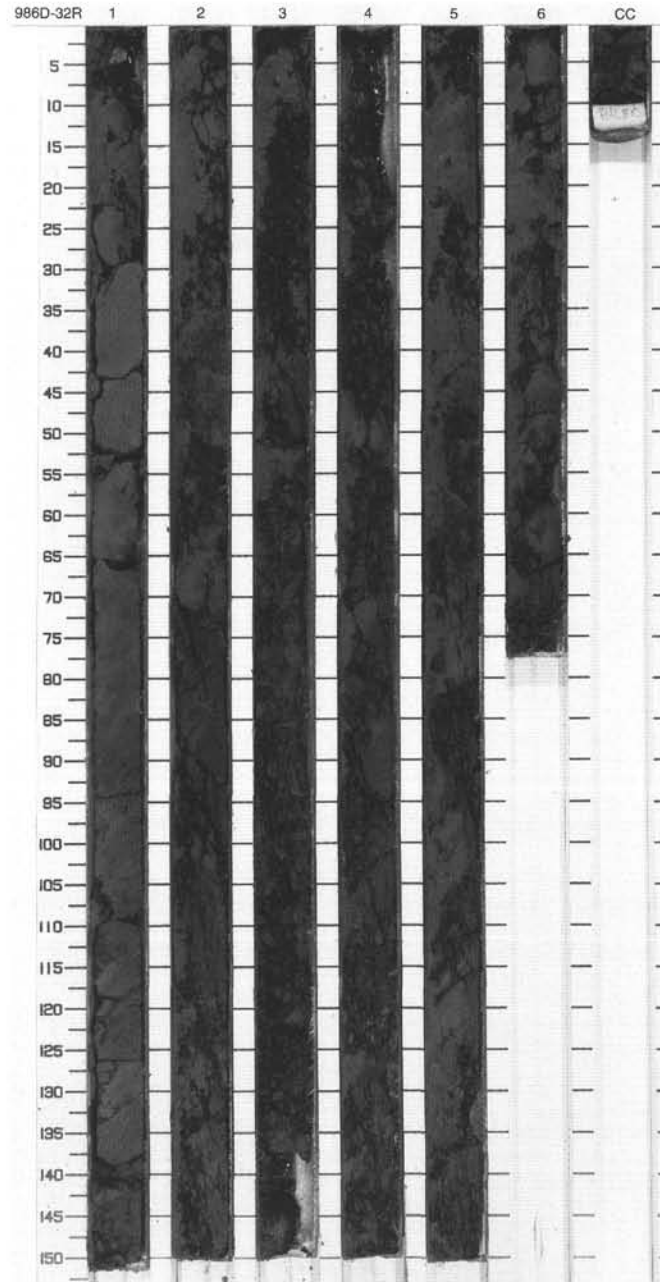
SITE 986 HOLE D CORE 31R

CORED 676.2 - 685.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Pliocene-Pleistocene	3	[Disturbance symbols]	S	5Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY. Sediment is moderately to highly fractured throughout the entire core. There is no visible evidence of bioturbation. A shell fragment is present in Section 3, 54 cm. A 5-cm-long light brown calcareous cemented sandstone is present at the top of the core.</p>
2	[Hatched pattern]	2						
3	[Hatched pattern]	3						
4	[Hatched pattern]	4						
5	[Hatched pattern]	5						
6	[Hatched pattern]	6	??			M		



Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	[Wavy lines]	[X pattern]	S	5Y 4/1	<p>SILTY CLAY and CLAYEY SILT WITH SAND AND NANNOFOSSILS</p> <p>General Description: This core contains dark gray (5Y 4/1) SILTY CLAY and very dark gray (5YR 3/1 and 5Y 3/1) CLAYEY SILT WITH SAND AND NANNOFOSSILS. This core is highly disturbed, making description of primary features almost impossible. In Section 1, color changes and shapes suggest bioturbation. Thin, poorly defined layers, possibly primary bedding, dip steeply (approximately 70 degrees) throughout Sections 2—6.</p>
2	[Hatched pattern]	2	[Wavy lines]	[X pattern]	S	5Y 3/1	
3	[Hatched pattern]	3	[Wavy lines]	[X pattern]	S	5YR 3/1	
4	[Hatched pattern]	4	[Wavy lines]	[X pattern]	S	5YR 3/1	
5	[Hatched pattern]	5	[Wavy lines]	[X pattern]	S	5YR 3/1	
6	[Hatched pattern]	6	[Wavy lines]	[X pattern]	S	5YR 3/1	
7	[Hatched pattern]	7	[Wavy lines]	[X pattern]	S	5YR 3/1	
8	[Hatched pattern]	8	[Wavy lines]	[X pattern]	S	5YR 3/1	
CC	[Hatched pattern]	??	[Wavy lines]	[X pattern]	M		

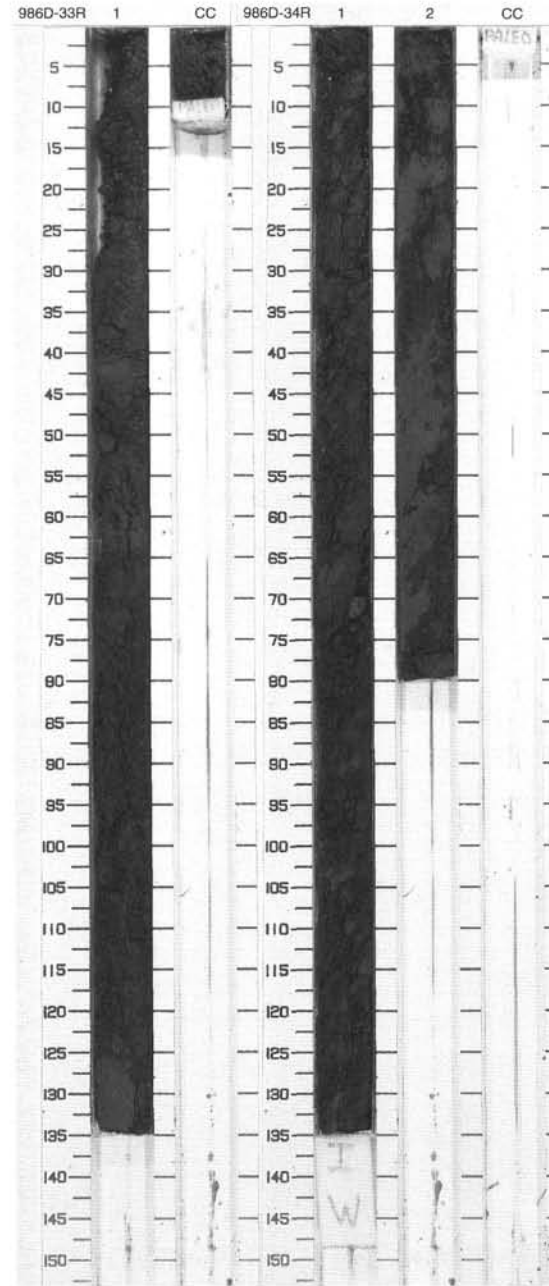


SITE 986 HOLE D CORE 33R CORED 695.4 - 705.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pliocene-Pleistocene		XXXX	S M	5Y 3/1	<p>CLAY WITH SILT AND SAND</p> <p>General Description: This core contains very dark gray (5Y 3/1) CLAY WITH SILT AND SAND. Drilling induced brecciation has obliterated any primary sedimentary structures. At the base of Section 1, 107-125 cm, there is a suggestion of high angle bedding (70 degrees). A slightly lighter colored mud clast at 40 cm consists of CLAY WITH SILT and may be part of an original bed.</p>

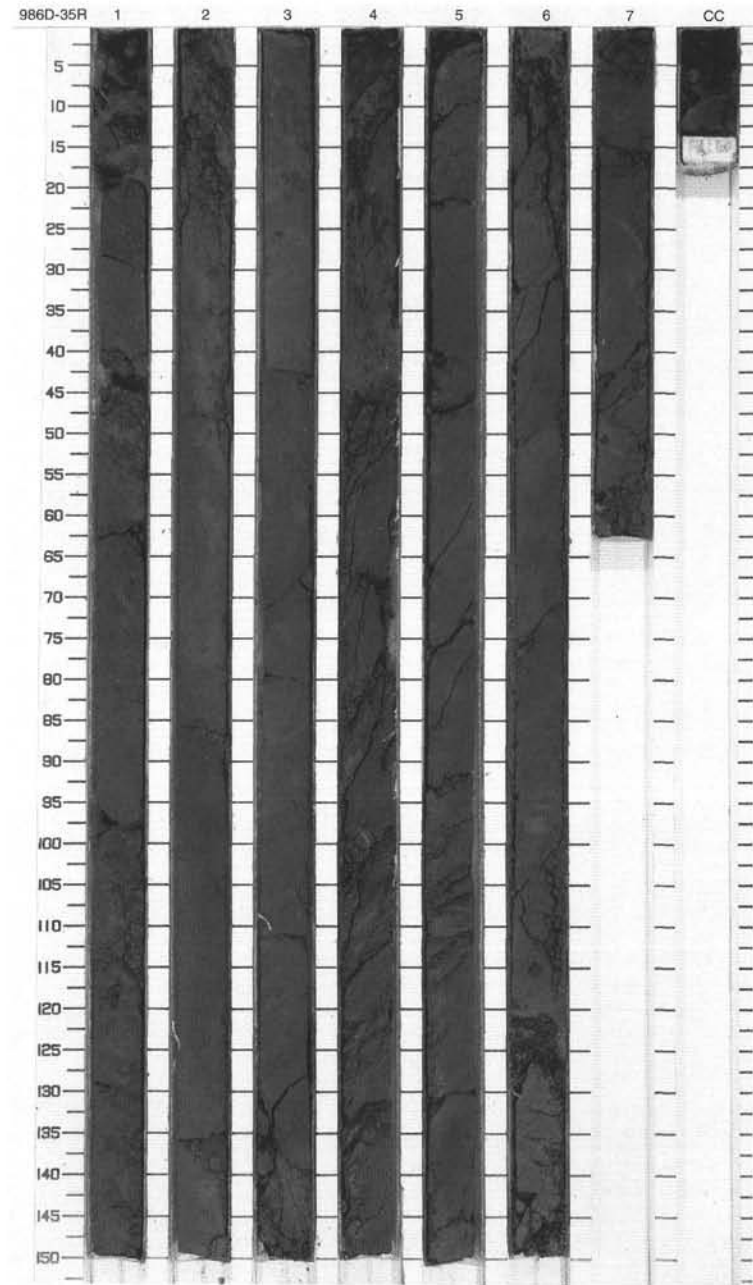
SITE 986 HOLE D CORE 34R CORED 705.0 - 714.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pliocene		XXXX	S I	5Y 3/1	<p>CLAYEY SILT WITH SAND AND NANNOFOSSILS</p> <p>General Description: This core contains very dark gray (5Y 3/1) CLAYEY SILT WITH SAND AND NANNOFOSSILS. It is highly disturbed obliterating any primary sedimentary structures. There is some evidence of high angle bedding.</p>
2		2	??		XXXX	M		



Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1					<p>SANDY SILTY CLAY and SANDY CLAYEY SILT</p> <p>General Description: This core contains very dark gray (5Y 3/1) SANDY SILTY CLAY and SANDY CLAYEY SILT. The sediment is moderately to very disturbed and fractured throughout. Some low angle and many high angle fractures occur, possibly related to drilling, although a filled fracture occurs in Section 4, 130—148 cm. Disturbance varies along the fracture surfaces, from clean linear breaks in Section 3 to crumbly in Section 4.</p>
2	[Dotted pattern]	2					
3	[Dotted pattern]	3					
4	[Dotted pattern]	3	∩		S		
5	[Dotted pattern]	4	C		S	5Y 3/1	
6	[Dotted pattern]	4	◇		S		
7	[Dotted pattern]	5					
8	[Dotted pattern]	6					
9	[Dotted pattern]	7					
CC??					M		

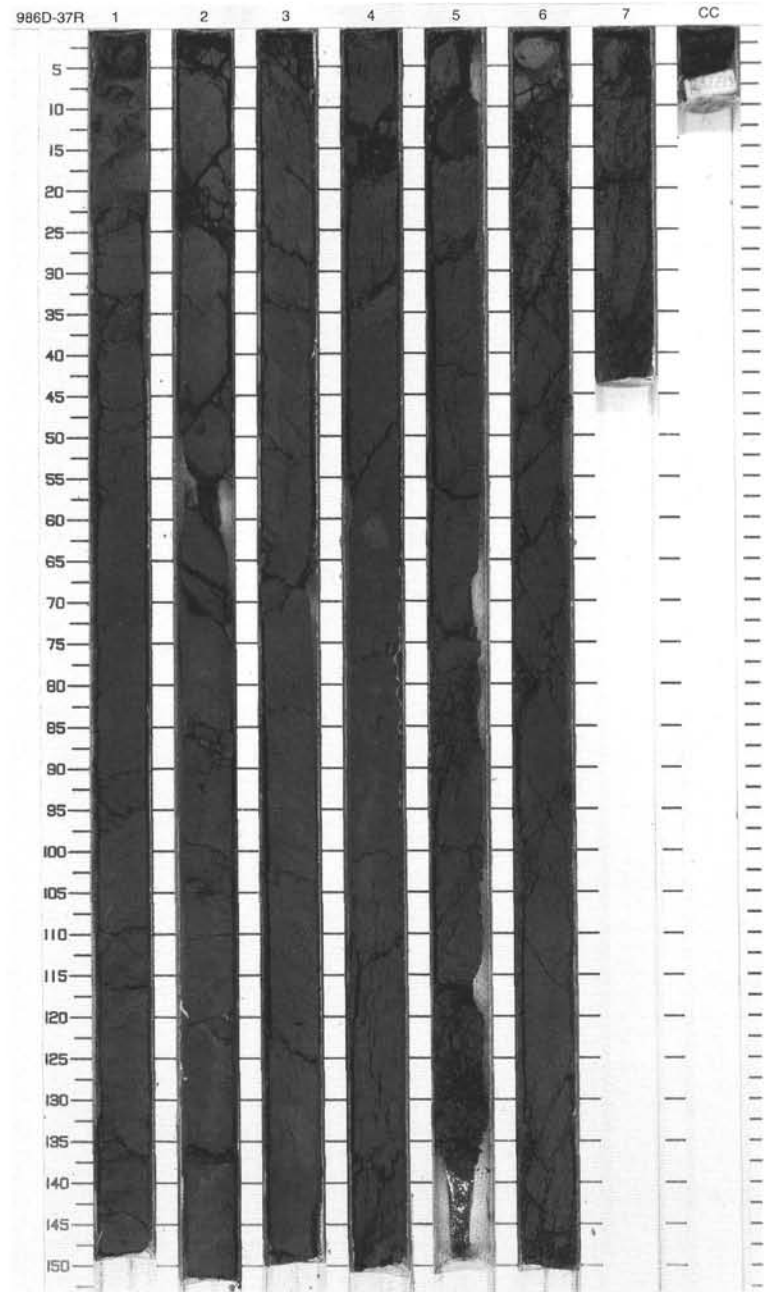
986D-36R Entire 0.01 m of core to paleontology



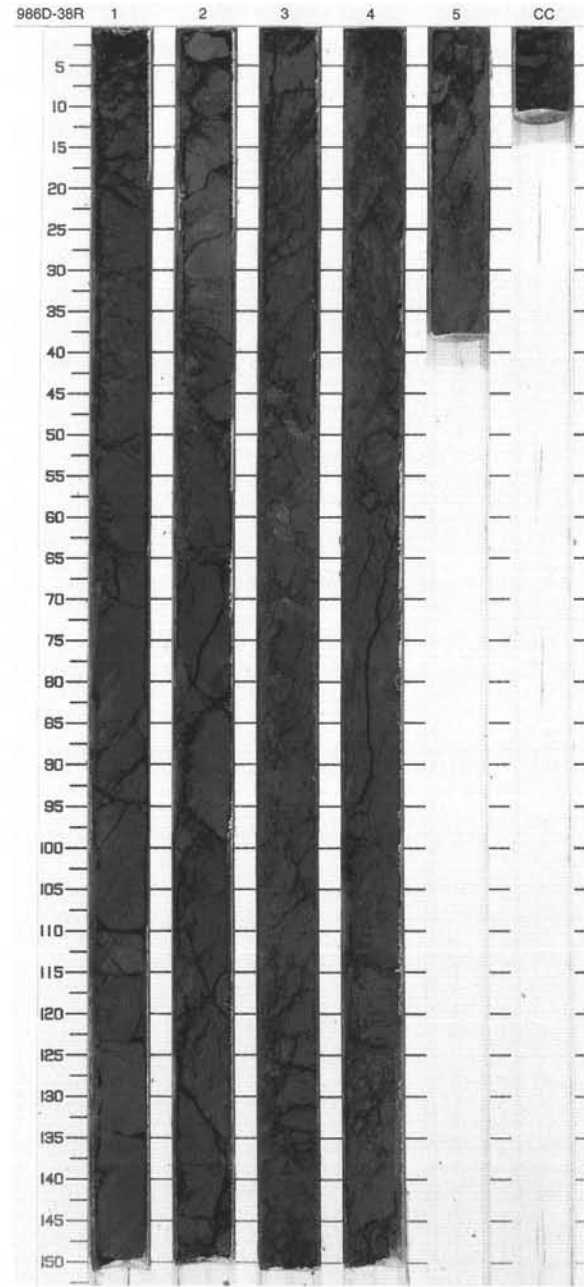
SITE 986 HOLE D CORE 37R

CORED 733.8 - 743.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1						<p>CLAYEY SILT WITH SAND</p> <p>General Description: This core contains very dark gray (5Y 3/1) CLAYEY SILT WITH SAND. There are no color changes and no visible bioturbation throughout the core. The sediment is slightly to moderately fractured. In Section 6, 0-10 cm, there is as calcite-rich concretion which is fractured into several parts.</p>
2	[Hatched pattern]	2				S		
3	[Hatched pattern]	3						
4	[Hatched pattern]	4	late Pliocene				5Y 3/1	
5	[Hatched pattern]	5				S		
6	[Hatched pattern]	6						
7	[Hatched pattern]	7						
8	[Hatched pattern]	CC	??					
9	[Hatched pattern]						M	

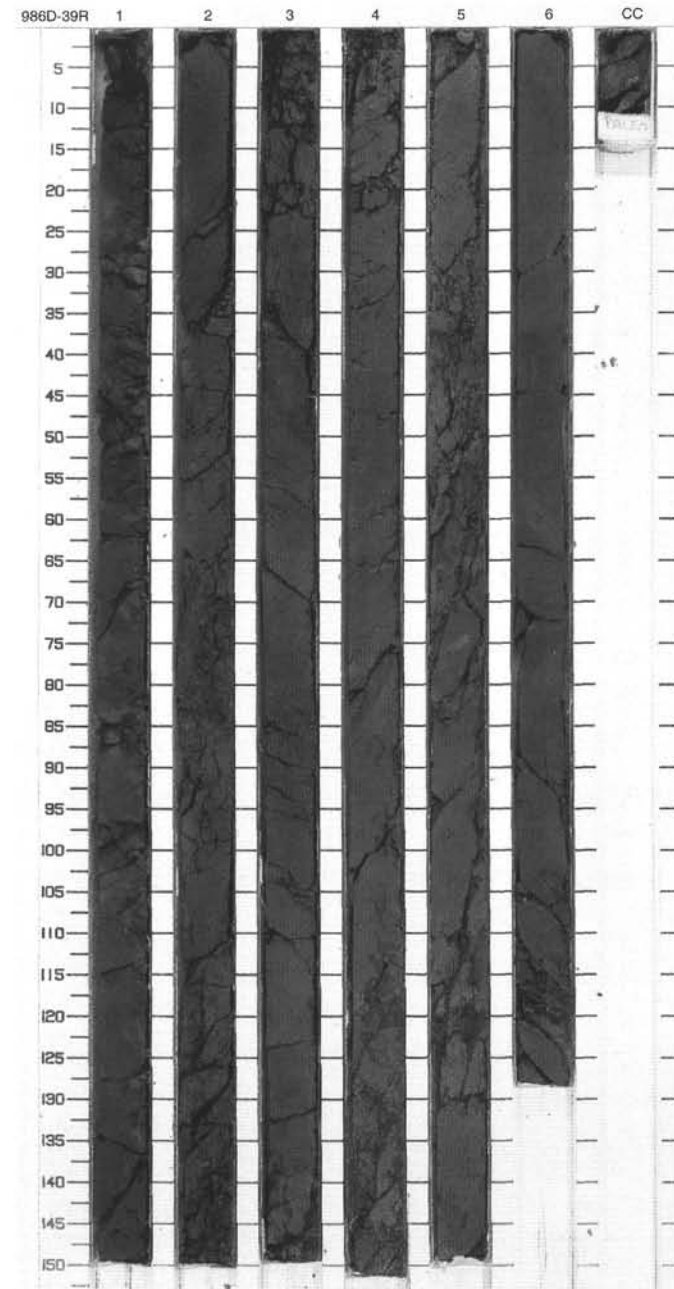


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		∞			5Y 3/1	<p>CLAYEY SILT WITH SAND and CLAYEY SILT WITH NANNOFOSSIL AND INORGANIC CALCITE</p> <p>General Description: This core contains very dark gray (5Y 3/1) CLAYEY SILT WITH SAND and dark gray (5Y 4/1) CLAYEY SILT WITH NANNOFOSSIL AND INORGANIC CALCITE. The entire core is slightly fractured. Color changes are gradational throughout. There are no visible structures and bioturbation throughout. Section 1, 69 cm contains a small (<0.3 cm) shell fragment.</p>
2	[Hatched pattern]	2				S	5Y 4/1	
3	[Hatched pattern]	3				S		
4	[Hatched pattern]	4					5Y 3/1	
5	[Hatched pattern]	5						
6	[Hatched pattern]	CC??				M		

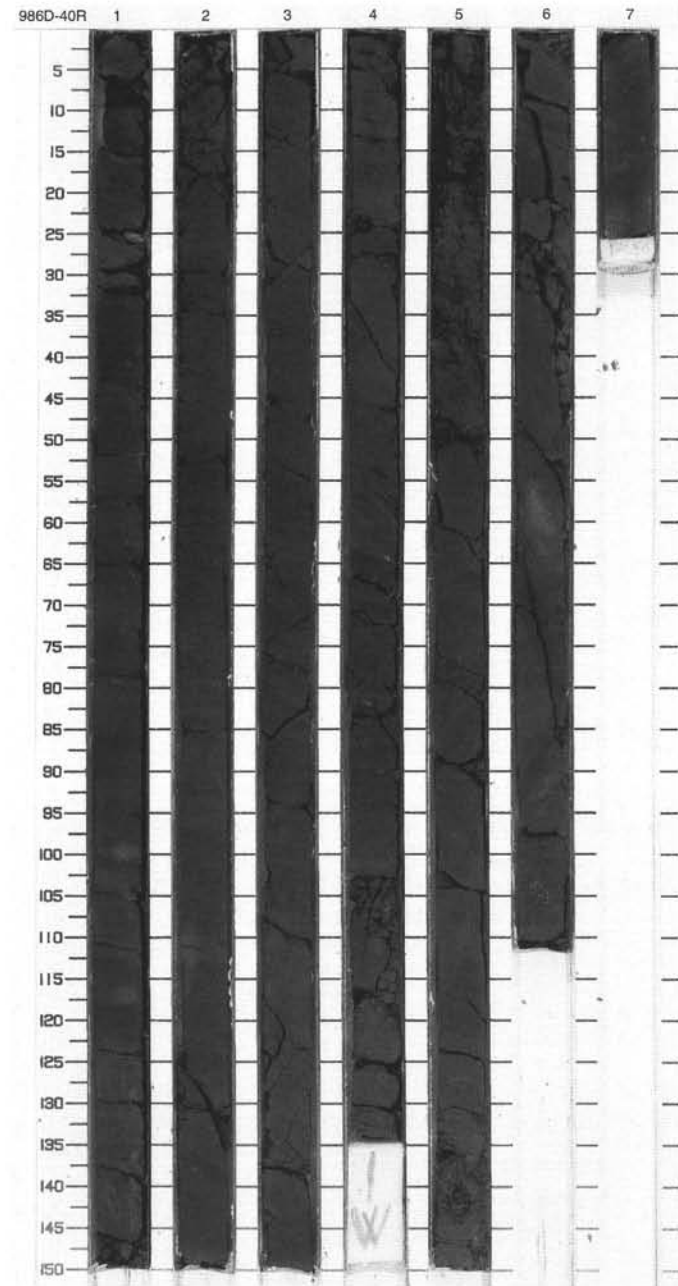


SITE 986 HOLE D CORE 39R CORED 753.0 - 762.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	late Pliocene	C		S	5Y 3/1 To 10Y 3/1	SANDY SILTY CLAY and CLAYEY SANDY SILT General Description: This core contains very dark greenish gray (5Y 3/1, 10Y 3/1) SANDY SILTY CLAY interbedded with CLAYEY SANDY SILT. The sediment is very firm and gritty. It is discontinuous throughout, with some sub-horizontal fractures and many high-angle fractures. Some intervals are more resistant, notably Sections 3, upper 4, and 6. Others are more friable, notably Sections 2, lower 4, and 5. Contorted bedding is evident in the less friable intervals of Sections 2, 3, and 6.
2	[Dotted pattern]	2						
3	[Dotted pattern]	3						
4	[Dotted pattern]	3						
5	[Dotted pattern]	4						
6	[Dotted pattern]	4						
7	[Dotted pattern]	5						
8	[Dotted pattern]	5						
	[Dotted pattern]	6		S				
	[Dotted pattern]	CC ??						

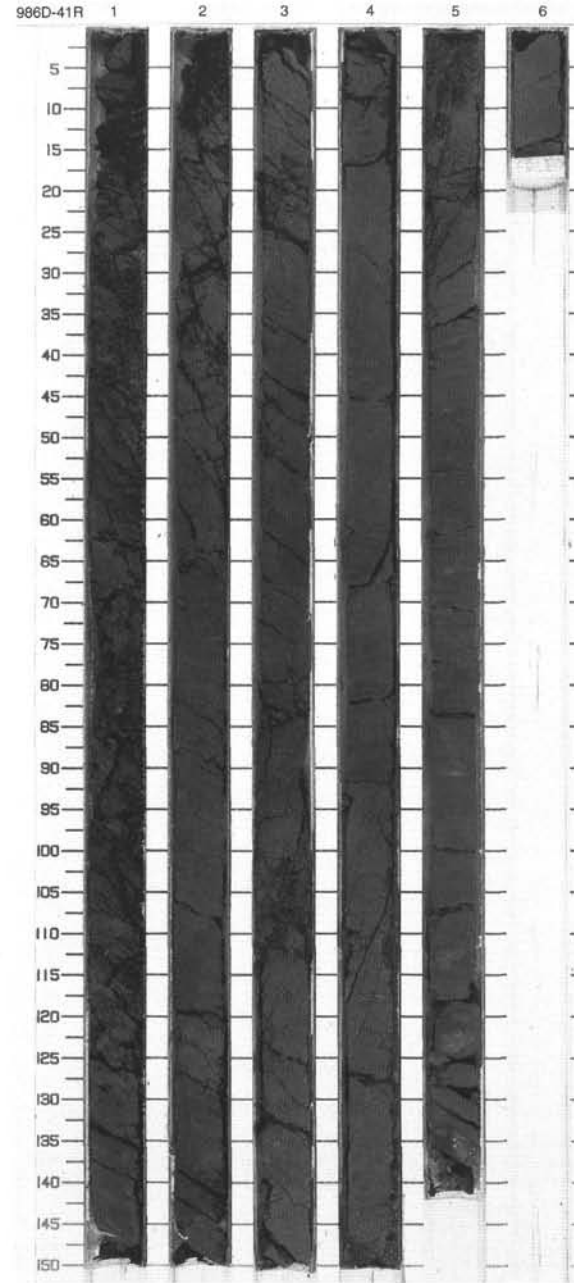


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		} } }				CLAYEY SILT WITH SAND General Description: This core contains very dark gray (5Y 3/1) to very dark greenish gray (10Y 3/1) CLAYEY SILT WITH SAND. The entire core is slightly to moderately fractured. There are no visible color changes throughout the core. The sediment contains numerous parallel thin laminations. Contorted beds are present in Sections 6 and 7. Slight bioturbation occurs in several sections.
2	[Hatched pattern]	2		} }		S		
3	[Hatched pattern]	3		}				
4	[Hatched pattern]	4	late Pliocene	} }			5Y 3/1 To 10Y 3/1	
5	[Hatched pattern]	5		}		S		
6	[Hatched pattern]	6		} }		I		
7	[Hatched pattern]	7		} }		M		

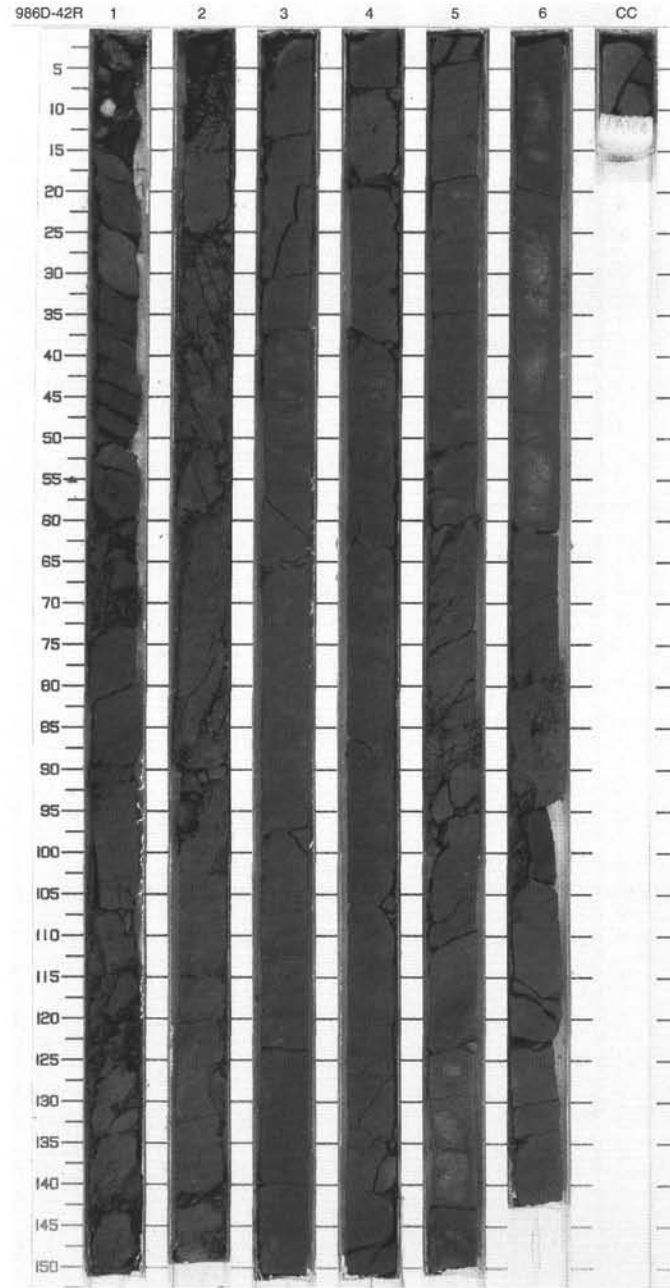


SITE 986 HOLE D CORE 41R CORED 772.2 - 781.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	late Pliocene	[Pattern]	X	S	10Y 3/1	<p>CLAYEY SILT WITH SAND</p> <p>General Description: This core contains very dark greenish gray (10Y 3/1) CLAYEY SILT WITH SAND. The core is slightly to highly fractured throughout. Low angle as well as high angle fractures occur, most possibly due to drilling. The sediment is very firm throughout. The primary bedding dip with relatively low angle. Except of these thin layers there are no visible structures in most of the intervals. The sediment is contorted in Section 4 and uppermost part of Section 5.</p>
2	[Pattern]	2		[Pattern]	X	S		
3	[Pattern]	3		[Pattern]	X	S		
4	[Pattern]	4		[Pattern]	X	S		
5	[Pattern]	5		[Pattern]	X	S		
6	[Pattern]	6		[Pattern]	X	M		



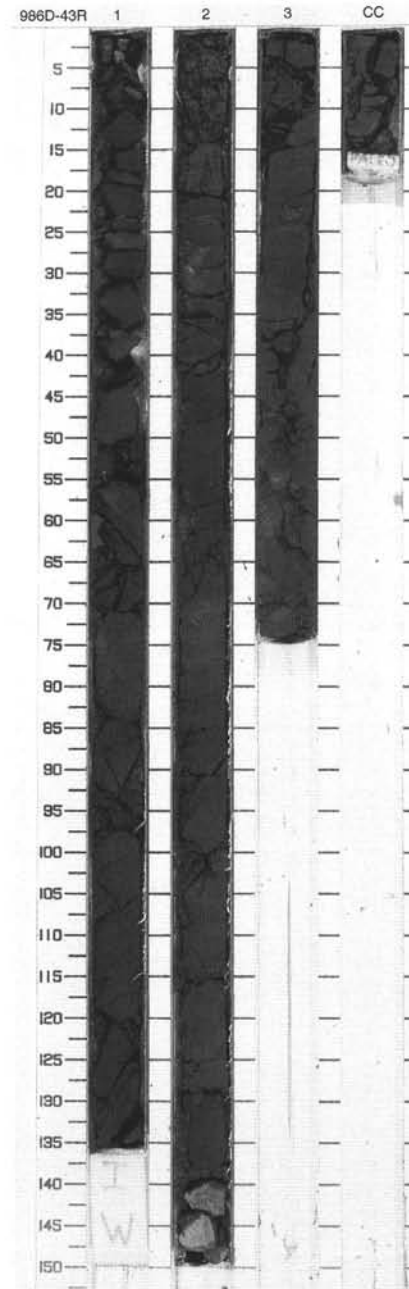
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Pliocene	◇	XXXX	S	5Y 3/1	<p>SILTY CLAY WITH SAND</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY WITH SAND. Dropstones at the top of the core are probably due to fall-in during drilling. This core is slightly to highly fractured. Sediment is firm where intact, especially in Sections 3 and 4, in Section 5, 0—60 cm and in Section 6, 0—70 cm. It is difficult to see sedimentary structures in crumbly intervals. Low and high angle fractures seem to be due to drilling.</p>
2	[Hatched pattern]	2						
3	[Hatched pattern]	3						
4	[Hatched pattern]	4						
5	[Hatched pattern]	5						
6	[Hatched pattern]	6						
7	[Hatched pattern]	7			M			
8	[Hatched pattern]	8						
9	[Hatched pattern]	9			CC			



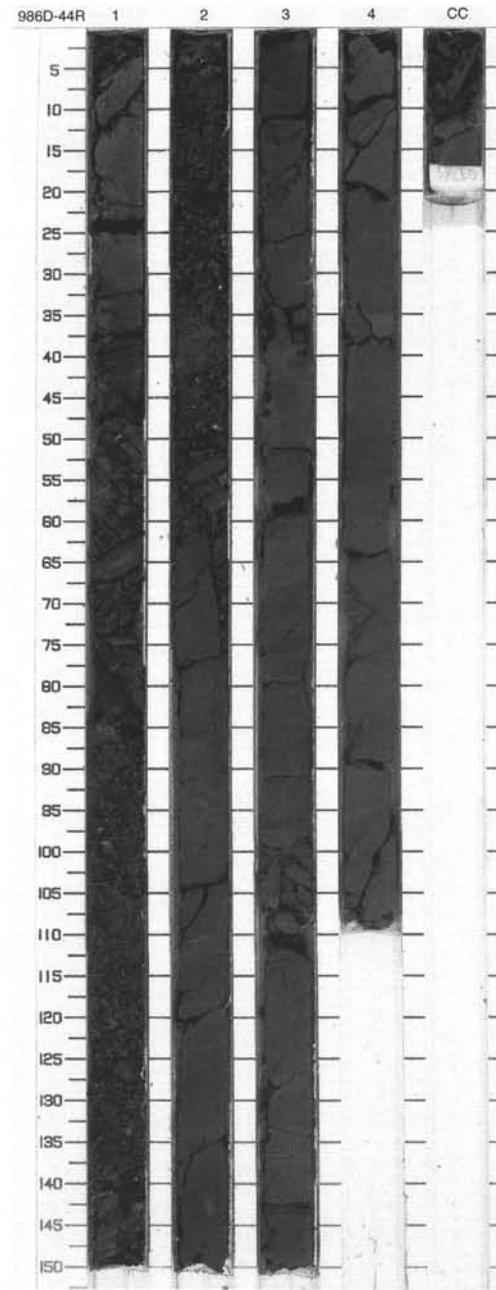
SITE 986 HOLE D CORE 43R

CORED 791.4 - 801.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pliocene	◇	∧	S	5Y 4/1	<p>SILTY CLAY and SILTY CLAY WITH SAND</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY WITH SAND and dark gray (5Y 4/1) SILTY CLAY. The core is very fractured due to drilling. Beds are dipping at 5—15 degrees from horizontal. Dipping seems to be natural rather than to be a coring effect. Section 1 and Section 2, 0—130 cm are coarser than the rest of the core. Dropstones are present at the top of the core, but they are probably due to fall-in during drilling. Dropstones: Section 1, 52—55 cm: 3-cm-long black subrounded igneous rock with quartz filled fractures; Section 2, 135—140 cm: 6-cm-long carboante cemented sandstone; Section 2, 140—145 cm: 4.5-cm-long carboante cemented sandstone; Section 2, 145—150 cm: 5-cm light gray layered sandstone.</p>
2		2		◇	∧	I		
3		3		◇	∧	S	5Y 3/1	
		CC				M		



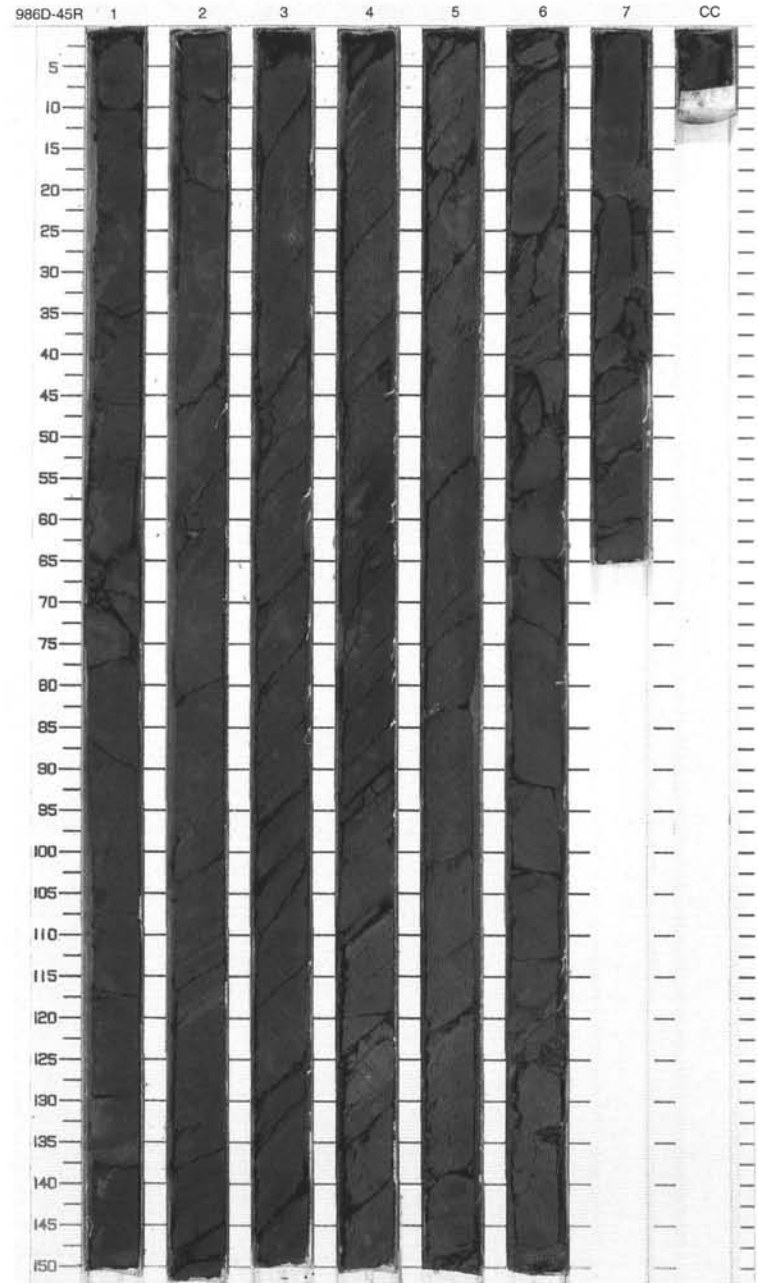
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	late Pliocene	}	XXXXXX	S	5Y 4/1	<p>SILTY CLAY WITH SAND and CLAYEY SILT WITH SAND</p> <p>General Description: This core contains dark gray (5Y 4/1) SILTY CLAY WITH SAND and very dark gray (5Y 3/1) CLAYEY SILT WITH SAND. This core is moderately to very fractured due to drilling. Sedimentary structures are difficult to see but there is some evidence of slight bioturbation throughout the core. Thin colored laminations are present throughout the entire core, especially in Section 2, 20—60 and 110—150 cm. Sediment is firm and massive in Section 2, 70—150 cm and in Sections 3—4.</p>
2	[Pattern]	2						
3	[Pattern]	3				S		
4	[Pattern]	4						
5	[Pattern]	CC				M		



SITE 986 HOLE D CORE 45R

CORED 810.7 - 820.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		}}				<p>SANDY SILTY CLAY and SILTY CLAY WITH SAND</p> <p>General Description: This core contains very dark gray (5Y 3/1) SANDY SILTY CLAY and SILTY CLAY WITH SAND. Beds are dipping from Sections 2 to Core Catcher, at 35 degrees, with fractures along bedding planes. Dipping appears to be natural rather than coring disturbance. Sediment is silty and very firm. A pyritized burrow is present in Section 2, 61—62 cm. Carbonate pods (filled burrows?) are present in Section 2, 30—31 cm, in Section 3, 24—26 cm, and in Section 5, 81—83 cm. Sediment is very slightly bioturbated.</p>
2		2		C Ⓟ		S		
3		3		C				
4		3		}}				
5		4	late Pliocene	}}			5Y 3/1	
6		4		}}		S		
7		5		C				
8		6		}}				
9		7		}}				
		CC				M		

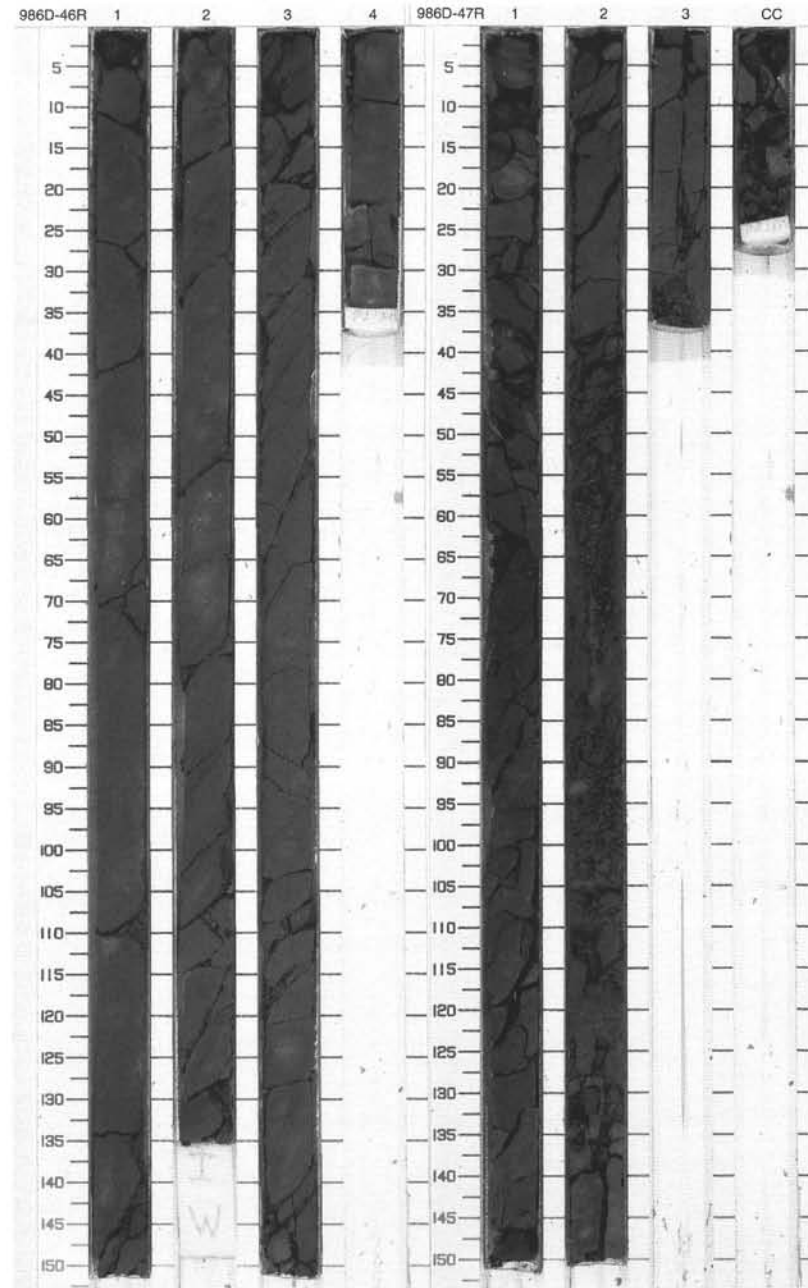


SITE 986 HOLE D CORE 46R CORED 820.3 - 829.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Pliocene	[Wavy line]	[Diagonal lines]	S	5Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY. The core is slightly fractured and bioturbated throughout. Sediment is firm and massive. Sediment is thinly interbedded with some lighter sandy layers and darker clayey layers in Sections 2 and 3. Beds are dipping at an angle varying from 0 to 35 degrees.</p>
2	[Hatched pattern]	2		[Wavy line]	[Diagonal lines]	I		
3	[Hatched pattern]	3		[Wavy line]	[Diagonal lines]	S		
4	[Hatched pattern]	4		[Wavy line]	[Diagonal lines]	M		

SITE 986 HOLE D CORE 47R CORED 829.9 - 839.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	late Pliocene	[Circle]	[Diagonal lines]	S	5Y 4/1 To 5Y 3/1	<p>SILTY CLAY and SANDY SILTY CLAY</p> <p>General Description: This core contains dark gray (5Y 4/1) to very dark gray (5Y 3/1) SILTY CLAY. Top of Section 1 contains SANDY SILTY CLAY. Sediment is very hard. The core is highly disturbed. Sediment is bedded with irregular quartz sand layers interbedded with finer clay and silt layers. Layers are not continuous and dip at widely varying angles from 10 degrees to 70 degrees. They dip more steeply in Section 1. Some foraminifer shells are visible on the surface, but they are an isolated occurrence. A 2.7-cm-long subrounded gray metamorphic rock with partial pyrite coating is present at the top of Section 1, but may not be in place.</p>
2	[Hatched pattern]	2		[Circle]	[X pattern]			
3	[Hatched pattern]	3		[Circle]	[Diagonal lines]	S		
CC	[Hatched pattern]	CC		[Circle]	[X pattern]	M		



SITE 986 HOLE D CORE 48R

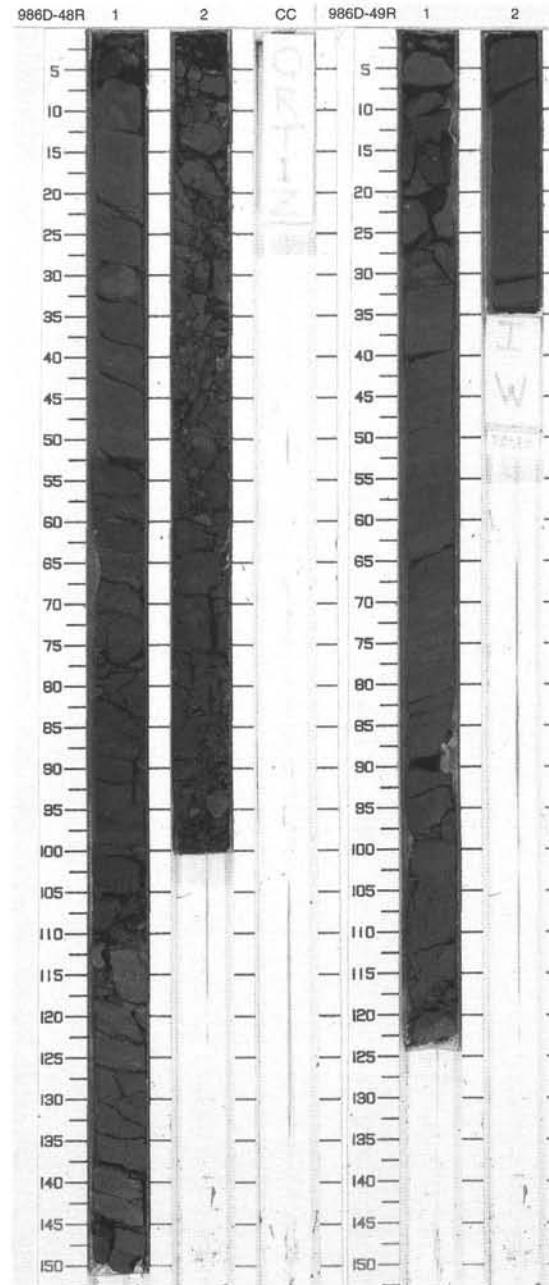
CORED 839.5 - 849.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pliocene			S	5Y 4/1 To 5Y 3/1	SILTY CLAY General Description: This core contains very dark gray (5Y 3/1) to dark gray (5Y 4/1) SILTY CLAY. Sediment is very hard. This core is moderately disturbed. Slight bioturbation occurs throughout. Moderate bioturbation and gravel occur in Section 1, 64—74 and 110—125 cm. Beds are dipping at varying angles (15 to 30 degrees). Some foraminifer shell are present in Section 2, 126 and 135 cm. An angular 1.2-cm black claystone is present in Section 2, 60—61 cm.
2		2				S		
		CC				M		

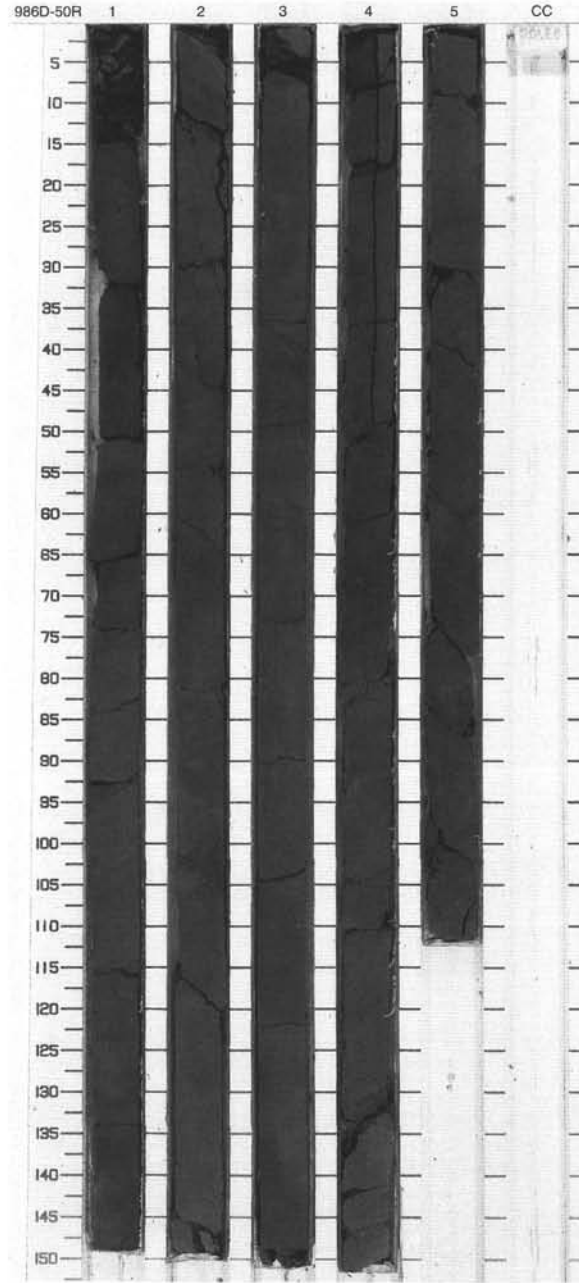
SITE 986 HOLE D CORE 49R

CORED 849.2 - 858.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pliocene			S	5Y 4/1	SILTY CLAY and SILTY CLAY WITH SAND General Description: This core contains dark gray (5Y 4/1) SILTY CLAY. A dark gray (5Y 4/1) SILTY CLAY WITH SAND layer is present in Section 1, 0—70 cm. Sediment is hard and homogenous. The core is slightly fractured. Thin black clayey laminations and quartz-rich light gray ones are interbedded throughout the entire core. Beds are dipping at an angle of 20 degrees. A 1.3-cm gray subangular sandstone is present in Section 1, 7 cm.
		2				M ₁		

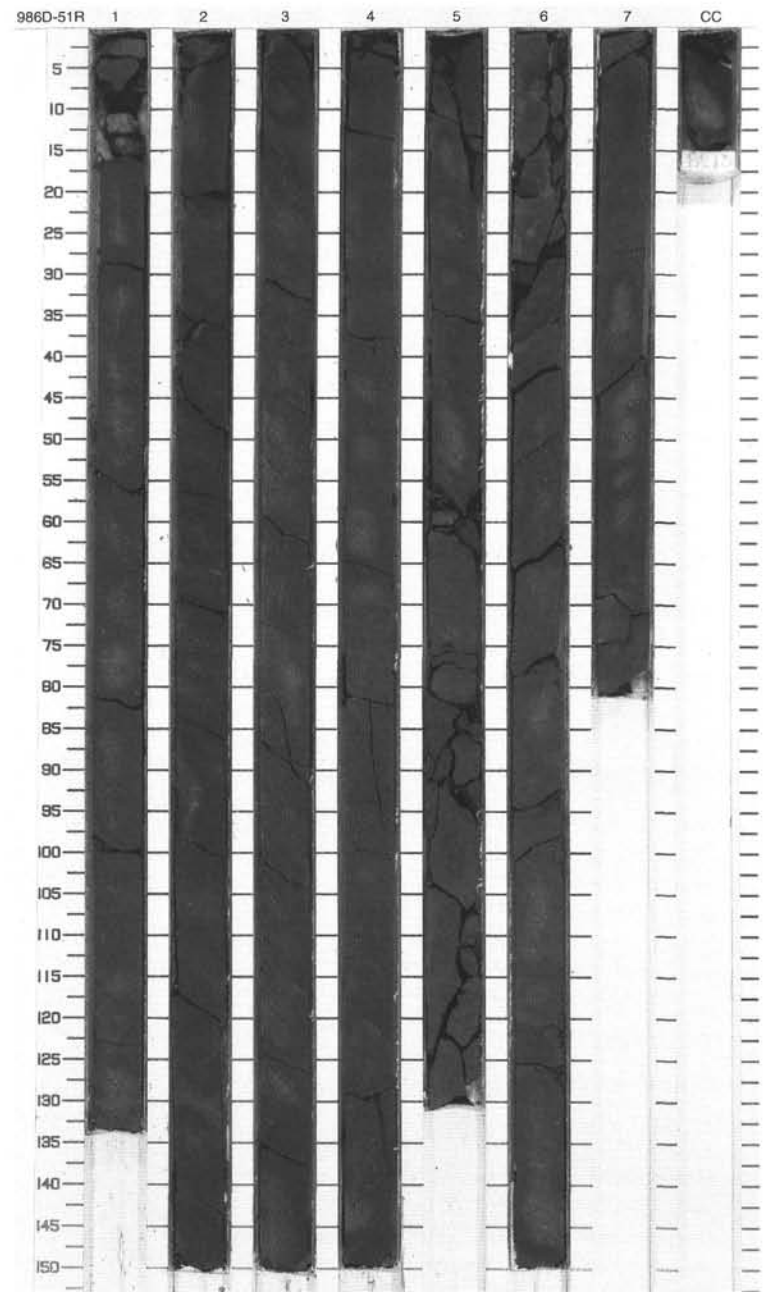


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	late Pliocene	[Vertical lines]	[X pattern]			<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (2.5Y 3/1) to black (2.5Y N2.5/0) SILTY CLAY. The core is well bedded between Section 2, 13 cm and Section 3, 50 cm, between Section 4, 65 cm and Section 5, 50 cm, and in Section 3, 117–144 cm, with clear evidence of soft sediment deformation, probably slumps. Visually there is a lighter very dark gray (2.5Y 3/1) and a darker black (2.5Y N2.5/0) sediment although they have lithologies which are indistinguishable in smear slides. The darker beds range in thickness from 2 mm to 1 cm. Lighter beds are generally thicker, from 4 mm to several cm. There is no evidence of bioturbation.</p>
2	[Hatched pattern]	2		[Wavy lines]	[X pattern]	S		
3	[Hatched pattern]	3		[Wavy lines]	[X pattern]	S	2.5Y 3/1 To 2.5Y N2.5/0	
4	[Hatched pattern]	4		[Wavy lines]	[X pattern]			
5	[Hatched pattern]	5		[Wavy lines]	[X pattern]			
6	[Hatched pattern]	6	[Wavy lines]	[X pattern]				
7	[Hatched pattern]	7		[X pattern]				

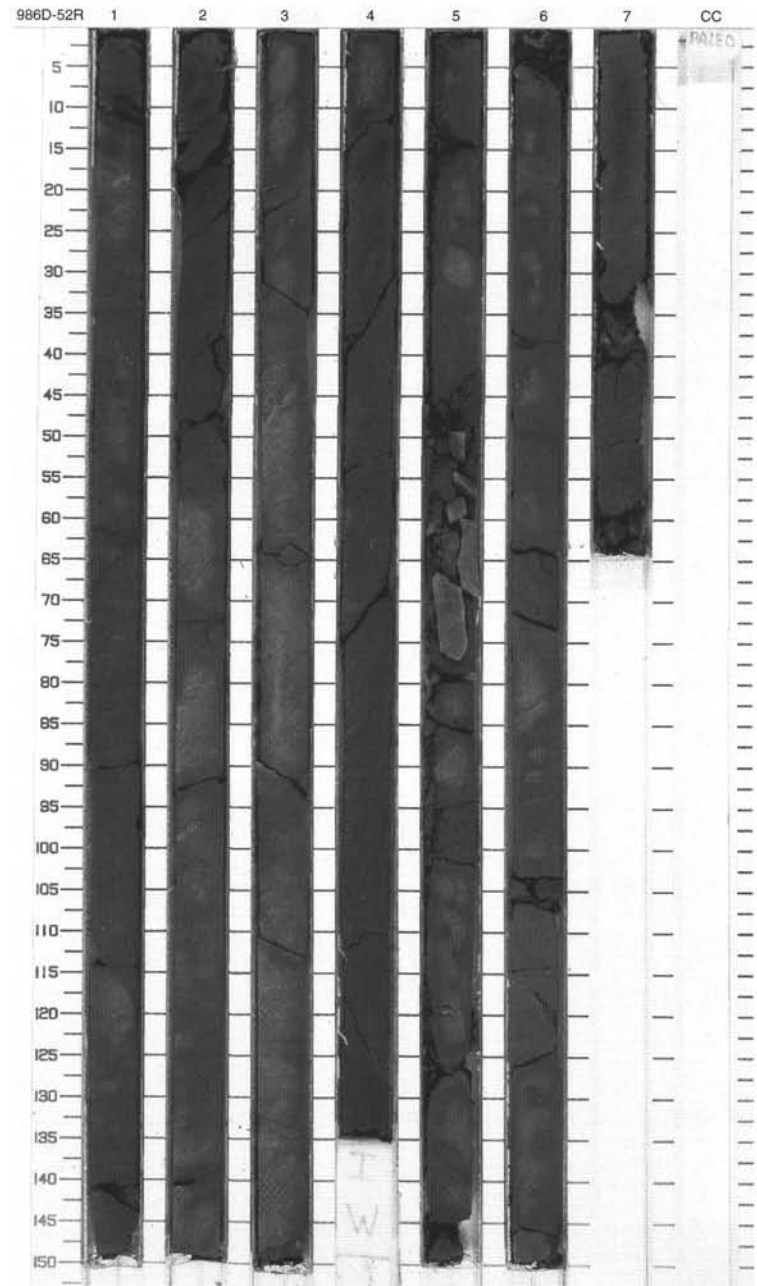


SITE 986 HOLE D CORE 51R CORED 868.4 - 878.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Vertical lines]	[Vertical lines]			<p>SILTY CLAY</p> <p>General Description: This core contains black (2.5Y 3/0) SILTY CLAY with laminations. The laminations consist of darker and lighter layers with only minor size differences as seen in smear slides. The darker laminations are thinner (<2 mm) and irregular, commonly with an almost stylitic appearance. Bedding dips between 10 and 45 degrees with the steeper dips between Section 5, 96 cm and the base of the core. Both benthic foraminifers and small pyrite nodules are common. There is no clear evidence of bioturbation although some of the discontinuous layers may be due, in part, to burrowing. The core fractures both parallel to and at a high angle to laminations. Several small broken shell fragments were observed near the base of the core. A dropstone in Section 1, 13 cm, is a subangular gray limestone, 5.6-cm-long and is assumed to be downhole contamination.</p>
2	[Hatched pattern]	2		[Circle with P]	[Vertical lines]			
3	[Hatched pattern]	3		[Circle with P]	[Vertical lines]	S		
4	[Hatched pattern]	4		[Circle with P]	[Vertical lines]			
5	[Hatched pattern]	4	late Pliocene	[Circle with P]	[Vertical lines]		2.5Y N3/0	
6	[Hatched pattern]	5		[Circle with P]	[Vertical lines]			
7	[Hatched pattern]	6		[Circle with P]	[Vertical lines]			
8	[Hatched pattern]	7		[Circle with P]	[Vertical lines]			
9	[Hatched pattern]	7		[Circle with P]	[Vertical lines]			
CC				[Circle with X]	[Vertical lines]			M



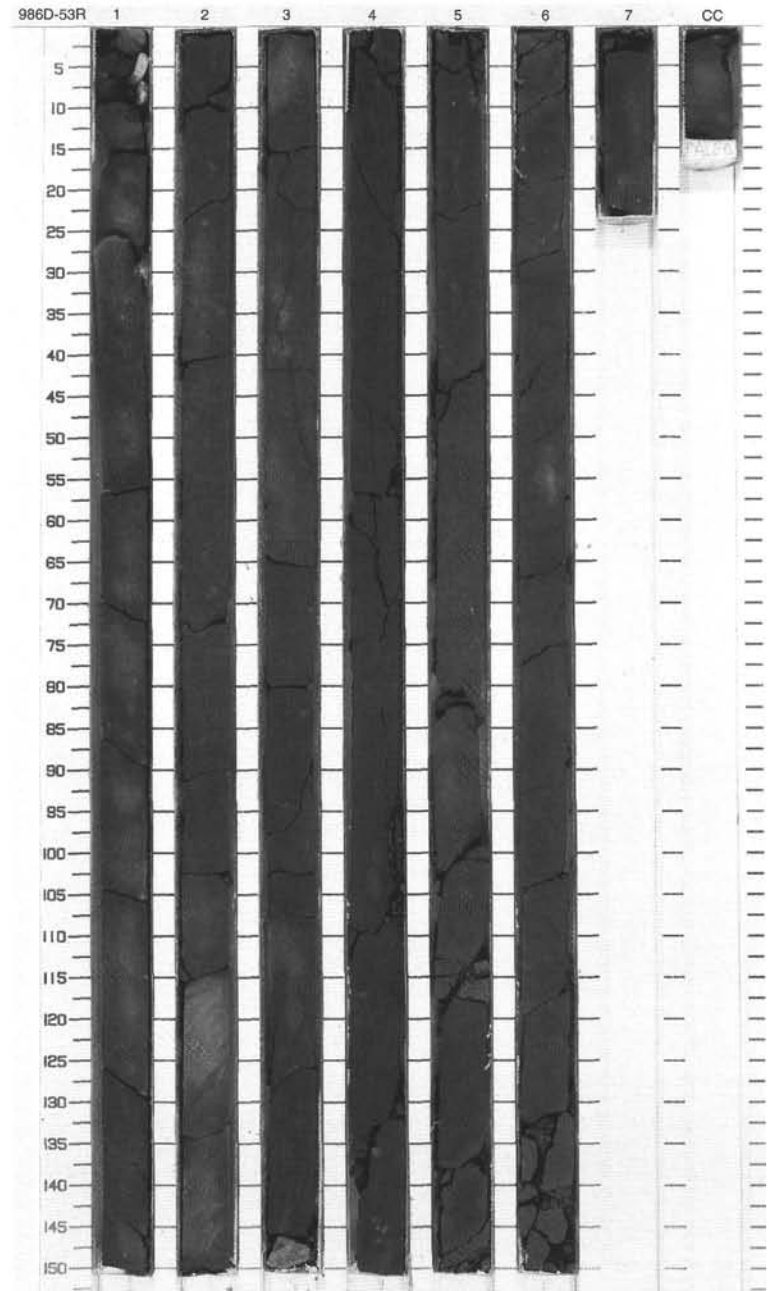
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		[Horizontal lines]	[Vertical lines]			<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (2.5Y 3/1 to 5Y 3/1) SILTY CLAY. The sediment is slightly to highly fractured throughout, especially within Section 5. Numerous laminated intervals and contorted beds are present. A small pyrite nodule (<0.3 cm) occurs in Section 4, 64 cm. Color changes and bioturbation are not visible throughout the core.</p>
2	[Hatched pattern]	2		[Horizontal lines]	[Vertical lines]	S		
3	[Hatched pattern]	3		[Horizontal lines]	[Vertical lines]			
4	[Hatched pattern]	3		[Horizontal lines]	[Vertical lines]			
5	[Hatched pattern]	4	late Pliocene	[Horizontal lines]	[Vertical lines]		2.5Y 3/1 To 5Y 3/1	
6	[Hatched pattern]	4		[Wavy lines]	[Vertical lines]	I		
7	[Hatched pattern]	5		[Horizontal lines]	[Vertical lines]			
8	[Hatched pattern]	6		[Wavy lines]	[Vertical lines]	S		
9	[Hatched pattern]	7		[Horizontal lines]	[Vertical lines]	M		



SITE 986 HOLE D CORE 53R

CORED 887.6 - 897.3 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1	(P)				<p>SILTY CLAY WITH SAND</p> <p>General Description: This core contains hard, black (2.5Y 3/0) SILTY CLAY WITH SAND. Multiple veins are present which are similar to mud filled veins reported at active margin sites. Although the veins are darker, no compositional difference is observed between them and the surrounding sediment in smear slides. The core breaks both parallel to and at a high angle to the "mud veins." Some of the veins cut pyrite nodules (Section 2, 68—70), others are deformed around pyrite nodules (Section 2, 112—113). The relationship of these veins to primary bedding, defined by a weakly developed discontinuous layering, is not consistent. Slumping in Sections 3 and 4 is suggested by the core splitting at almost 90 degrees to horizontal and contortions in color bands. Benthic foraminifers are common throughout the sediment surface and there is no visible evidence of bioturbation.</p>
2		2	(P)		S		
3		3	(P)		S		
4		4	(P)				
5		5	(P)				
6		6	(P)				
7		7	(P)				
8		8	(P)				
9		9	(P)				
		CO			M		



SITE 986 HOLE D CORE 54R CORED 897.3 - 906.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pliocene			S	5Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark greenish gray (5Y 3/1) SILTY CLAY. The sediment is very firm, and has been disturbed by drilling into 1—10 cm fragments. Thin bedding is evident on several of the drilling biscuits.</p>
CC						M		

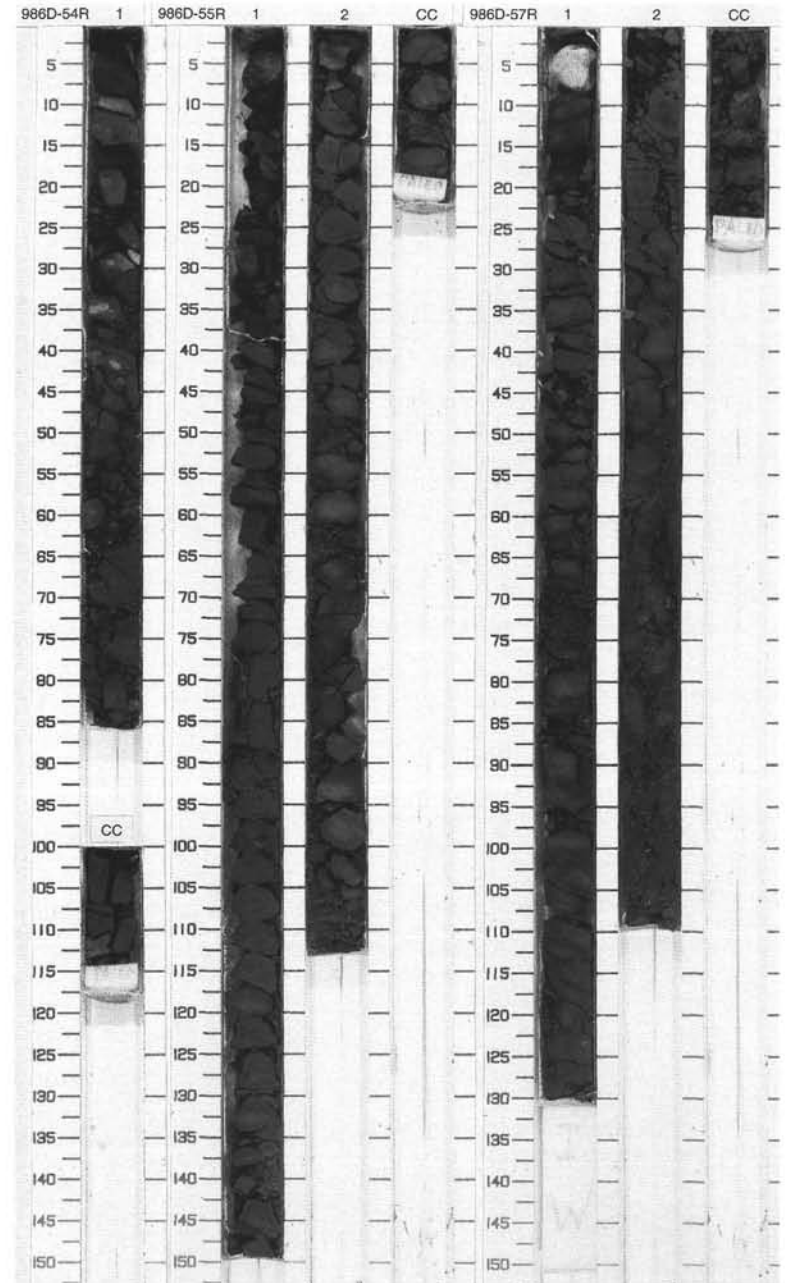
SITE 986 HOLE D CORE 55R CORED 906.9 - 916.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pliocene			S	5Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY. The sediment is very firm and highly fractured throughout. No color changes occur throughout. Several thin beddings are present on biscuit sediment.</p>
2		2				M		

986D-56R NO RECOVERY

SITE 986 HOLE D CORE 57R CORED 926.1 - 935.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pliocene			S	5Y 3/1	<p>SILTY CLAY</p> <p>General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY. This core is moderately to very fractured due to drilling. Dropstones are present at the top of the core but they are probably due to fall-in during coring. There is no evidence of bioturbation.</p>
2		2				M		



SITE 986 HOLE D CORE 58R

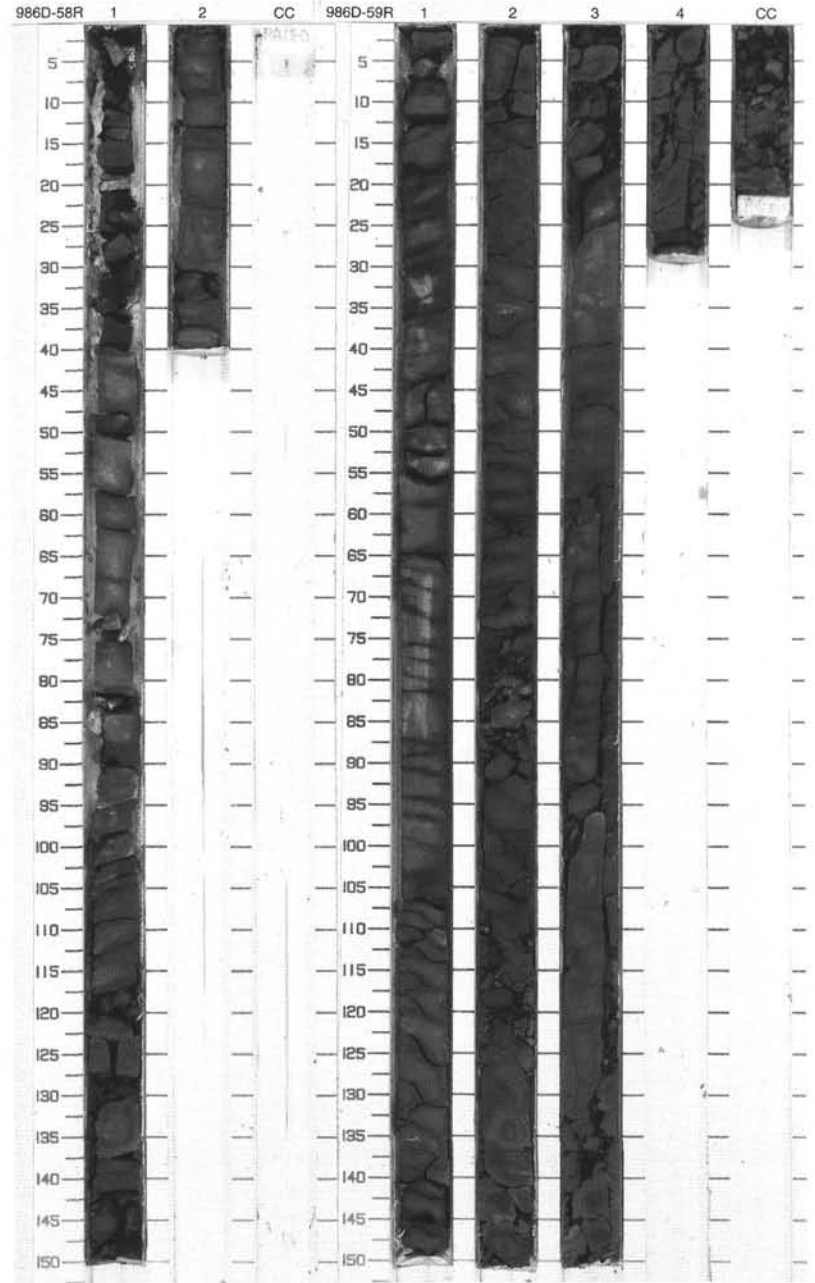
CORED 935.7 - 945.3 mbsf




Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pliocene			S	5Y 3/1	SILTY CLAY General Description: This core contains very dark gray (5Y 3/1) SILTY CLAY. This core is moderately to highly fractured throughout due to drilling. There is no evidence of bioturbation. Some dropstones are present in Section 1 but they seem to be due to fall-in during drilling.
2		2						

SITE 986 HOLE D CORE 59R

CORED 945.3 - 955.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description		
1		1	late Pliocene			S	5Y 2.5/1	SILTY CLAY General Description: This core contains very dark gray (5Y 3/1) to black (5Y 2.5/1) SILTY CLAY. Sediment is massive and very hard with thin laminations throughout especially in Section 3, 10—40 cm. Core is slightly to moderately bioturbated by place. Dropstones are present at the top of the core due to fall-in during drilling. This core is slightly to highly fractured throughout.		
2		2								
3		3							S	5Y 3/1
4		4							M	5Y 2.5/1
5	CC	CC				M				



Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	late Pliocene	P P P		S	2.5Y 2.5/1	<p>SILTY CLAY</p> <p>General Description: This core contains black (2.5Y 2.5/1) SILTY CLAY. Sediment is highly fractured with weak bedding defined by short quartz-rich layers and agglutinated foraminifers. Pyrite nodules are common and range from silt size to 2-cm. There is no clear evidence of bioturbation. A rounded gray dropstone present at the top of Section 1 is considered to be downhole contamination.</p>
		CC				M		

