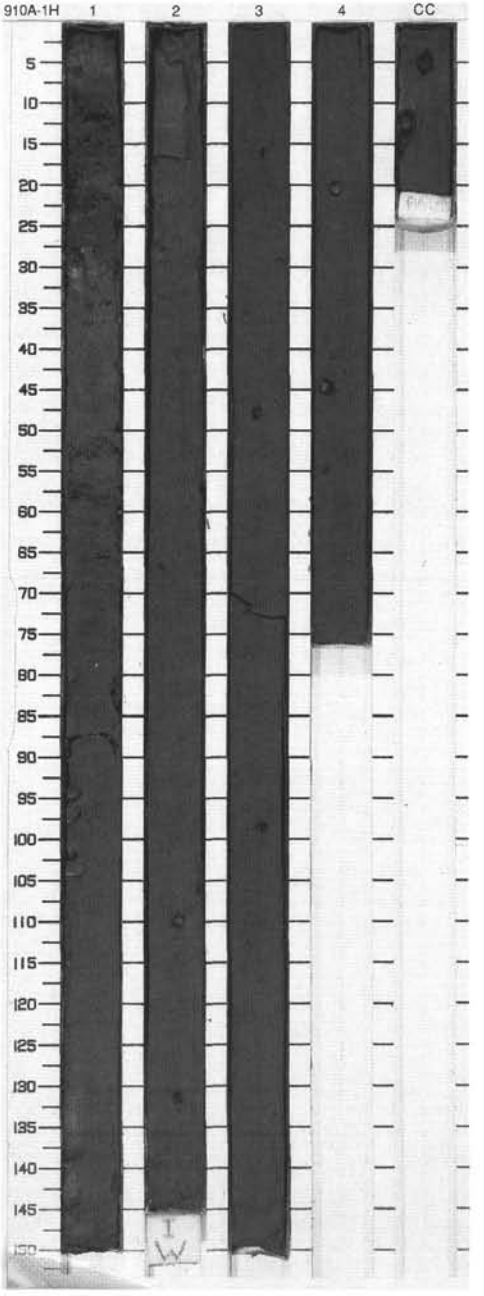
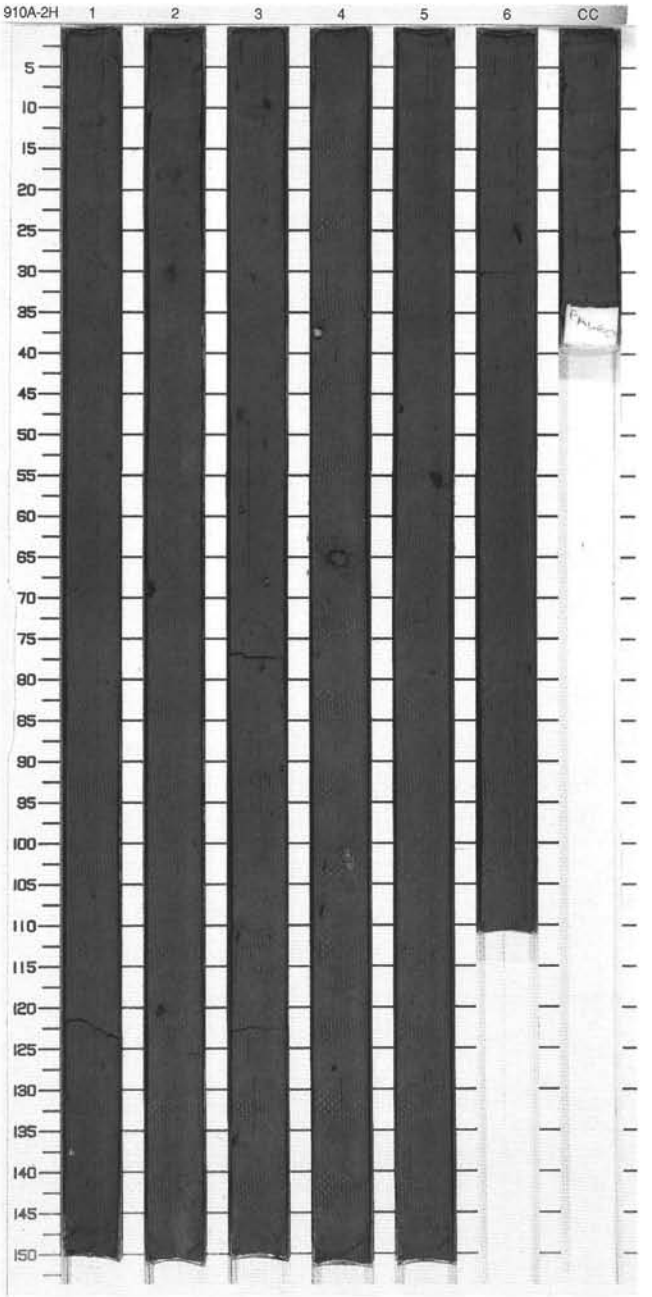
SITE 910 HOLE A CORE 1H CORED 0.0 - 5.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1	Quaternary			P P S	5Y 4/1 To 5Y 4/2	SILTY CLAY Major Lithology: SILTY CLAY, very dark gray (5Y 3/1), very homogeneous. Silt- and sand-sized grains are predominantly quartz (25%) and feldspar (15%), and minor amounts of accessory minerals, calcite, glauconite, and opaques. Color bands are present in Section 1, 0–50 cm. General Description: Dropstones: Section 2, 109 cm, Ø 1.0 cm, quartz sandstone; Section 3, 48 cm, Ø 1.0 cm, sandstone; Section 4, 20 cm, Ø 1.0 cm, sandstone; 45 cm, Ø 1.5 cm, shale?; Section CC, 4 cm, Ø 1.5 cm, shale; 12 cm, Ø 1.5 cm, siltstone.
						P		
		2		◇		S P		
						P		
						P	5Y 3/1	
		3		◇				
						P		
		4		◇				
				◇		P		
		CC		◇		M		



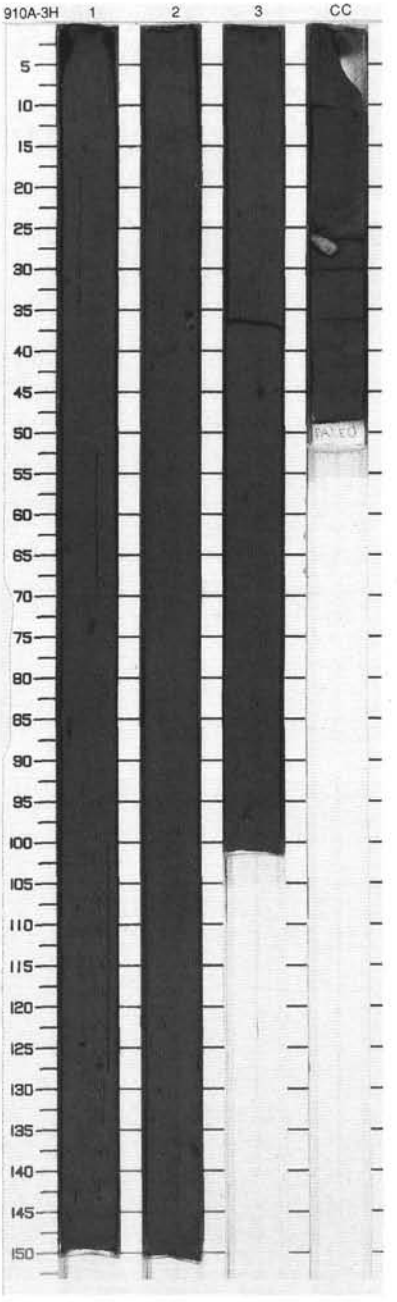
SITE 910 HOLE A CORE 2H CORED 5.5 - 15.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	Quaternary	◆ ◇ ◇ ◇		P S P P P P S P P P P P P P S P P M	5Y 3/1	CLAYEY SILT Major Lithology: Homogeneous, very dark gray (5Y 3/1) CLAYEY SILT. In Section 3, the sand content reaches 10%; in Section 1 and Section 6 only 0–3%. Sand- and silt-sized grains include in decreasing order quartz, feldspar, inorganic calcite, opaque minerals, and accessory minerals. Forams and sponge spicules occur in trace amounts. Burrows, up to 2 cm, filled with black sediment are present throughout the core. In Section 4, 100–104 cm, a pocket of sand-sized quartz grains, probably a disintegrated quartzitic dropstone, occurs. General Description: Mud clast: Section 3, 10 cm, Ø 1.0 cm. Dropstones: Section 3, 68 cm, 1.2 cm, gray siltstone; Section 4, 37 cm, 1.2 cm, rock fragment, pegmatite?; Section 4, 60 cm, 2.5 cm, laminated gray sandstone.



SITE 910 HOLE A CORE 3H CORED 15.0 - 19.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–4		1, 2, 3, CC	Quaternary			P, S, M	5Y 3/1; 5Y 3/2; 5Y 3/1	CLAYEY SILT Major Lithology: Very homogeneous, very dark gray (5Y 3/1) CLAYEY SILT. A few granules (two of them are made of friable sandstone), coarser grained round (Ø ±0.5 cm) brown burrow fillings and two diffuse layers of coarse material are present. Minor Lithology: CLAYEY MUD, dark olive gray (5Y 3/2), homogeneous, Section 2, 5–22 cm. Rather sharp upper contact, very progressive lower contact. General Description: Dropstone: Section CC, 23 cm, Ø 2.3 cm, sandstone.

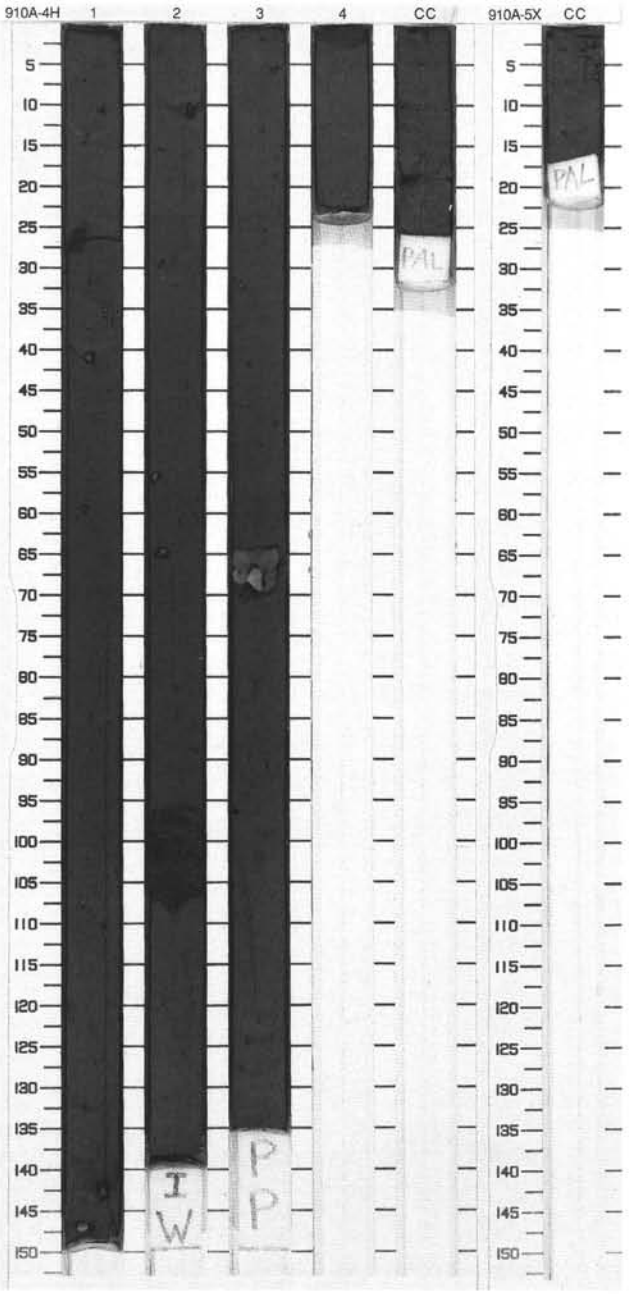


SITE 910 HOLE A CORE 4H — CORED 19.5 - 24.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1, 2, 3, 4, CC	Quaternary	↑ F		S, S, I, S, W, M	5Y 3/1; 5Y 3/1; 5Y 3/1	SILTY CLAY Major Lithology: Very firm, homogeneous very dark gray (5Y 3/1) SILTY CLAY occurs from top of core to Section 2, 96 cm, and from Section 2, 110 cm to bottom of core. Minor Lithology: Very dark gray (5Y 3/1) CLAYEY MUD is found in Section 2, 96 to 110 cm. This coarser layer exhibits a sharp base, a fining-upward sublayer from 96–101 cm, and an unusual mineral assemblage including ~30% accessory minerals. General Description: Dropstones 1 cm in diameter occur in: Section 1, 39 cm, Ø 1 cm, (?); 143 cm, Ø 1.9 cm, siltstone; 149 cm, 1 cm, sandstone; Section 2, 11 cm, Ø 1.8 cm, anthracite; 54 cm, Ø 1 cm, basalt; 65 cm, Ø 1 cm, coal; Section 3, 67 cm, Ø 3 cm, sandstone.

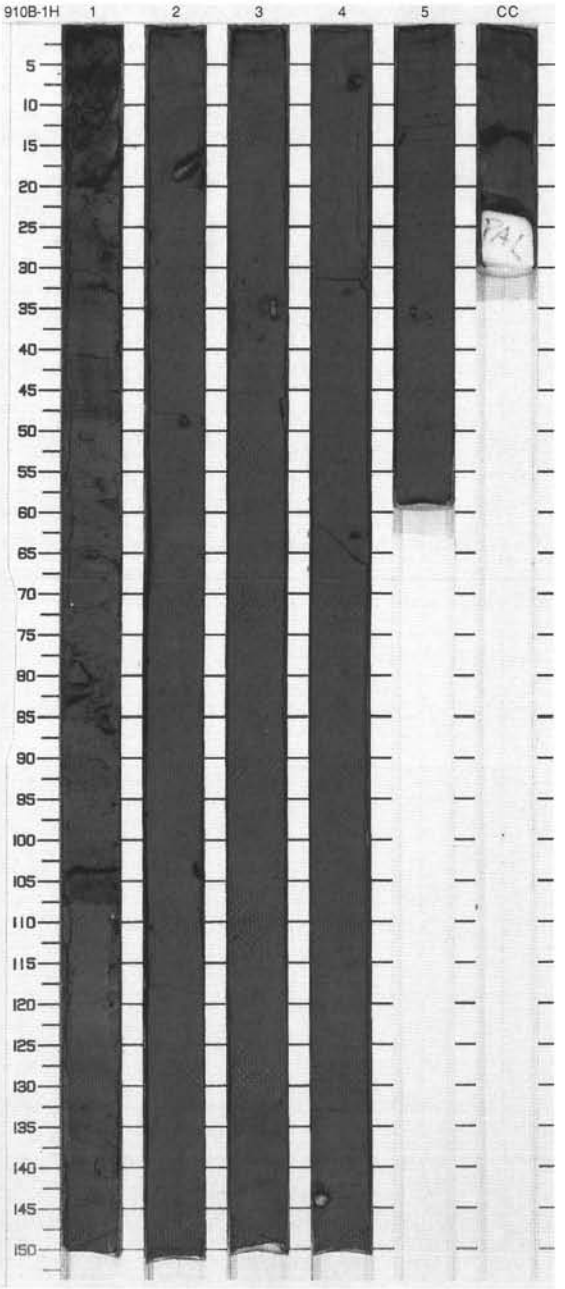
SITE 910 HOLE A CORE 5X — CORED 24.5 - 34.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC	Quat.		I	M		CLAYEY MUD Major Lithology: Homogeneous CLAYEY MUD, very dark gray (5Y 3/1).

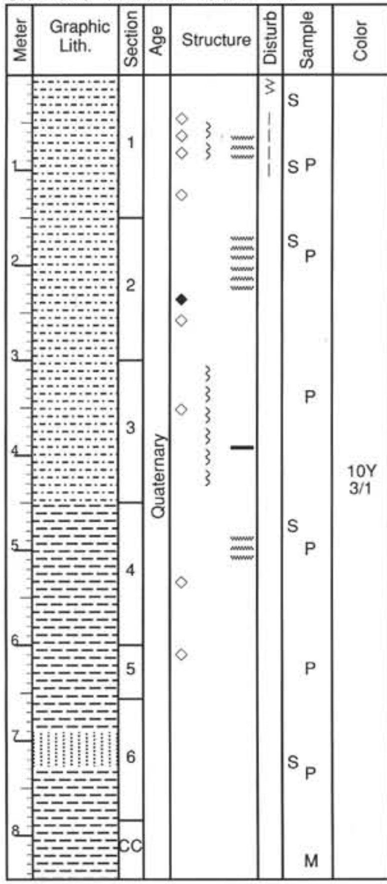


SITE 910 HOLE B CORE 1H CORED 0.0 - 6.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1–5, CC	Quaternary		V	S P	5Y 4/1 To 10YR 4/1; 2.5Y 4/2; 5Y 5/1 To 2.5Y N4/0	CLAYEY MUD Major Lithology: CLAYEY MUD, dark gray (5Y 4/1~2.5Y N4/0), structureless and homogeneous. Contains 30%–40% quartz and 9%–15% feldspar grains. Slight bioturbation is recognized in the whole core. Small mud patches (Ø 1 cm) and dropstones are common. Minor Lithologies: SANDY CLAY and SANDY MUD, olive brown (2.5Y 4/4). Compose fining-upward sequence in Section 1, 92–103 cm. Contain 20%–40% quartz and 15% feldspar grains. General Description: Dropstones: Section 1, 65 cm, Ø 1 cm, sandstone; 80 cm, Ø 3 cm, sandstone; 87 cm, Ø 1.5 cm, sandstone; Section 2, 17 cm, Ø 3 cm, schist; Section 4, 7 cm, Ø 1 cm, sandstone; 34 cm, Ø 1 cm, sandstone; 144 cm, Ø 1.5 cm, quartzite.



SITE 910 HOLE B CORE 2H CORED 6.9 - 15.4 mbsf



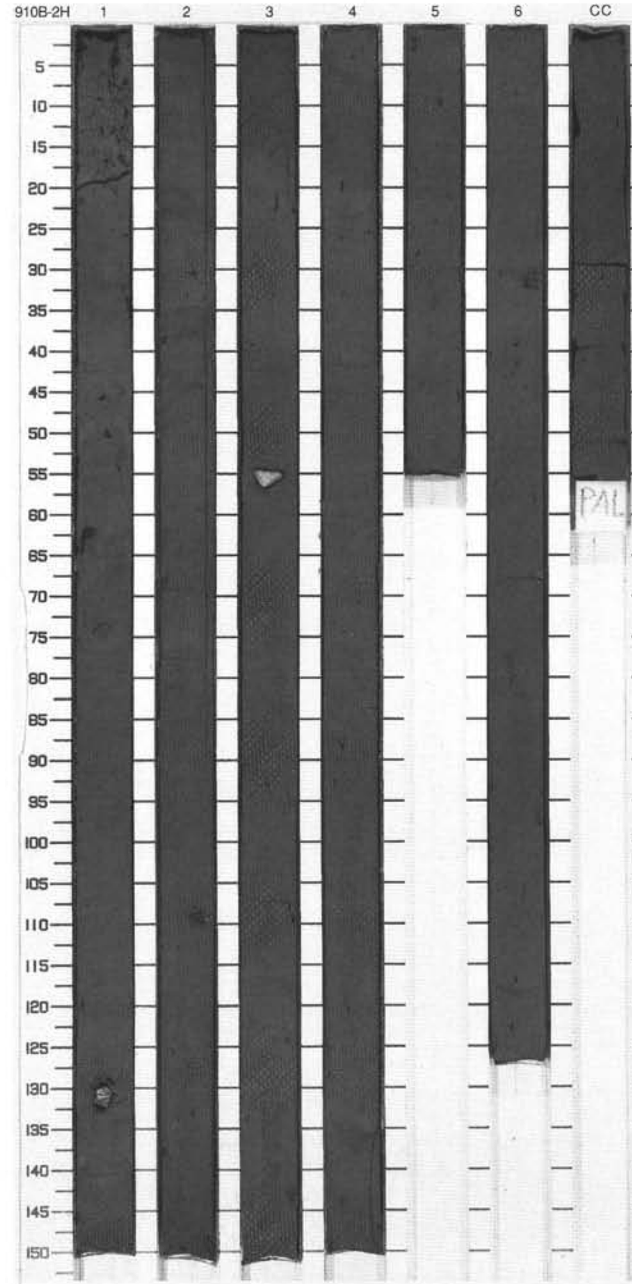
Description

SILTY CLAY and CLAYEY MUD

Major Lithologies:
SILTY CLAY and CLAYEY MUD, very dark gray (10Y 3/1), with CLAYEY MUD more dominant in the upper three sections and SILTY CLAY more common in the lower sections.

Minor Lithology:
CARBONATE-BEARING CLAYEY MUD, dark gray (10Y 4/1), in thin layers which look slightly browner, are present in Section 2, 20–70 cm.
SANDY MUD, very dark gray (5Y 3/1) in gradational contacts with CLAYEY MUD is found in Section 6, 35–70 cm.

General Description:
This core has faint color banding and probably minor lithologic variations in the upper four sections.
Dropstones:
Section 1, 50 cm, Ø 1 cm, crumbly sandstone; 62 cm, Ø 1.4 cm, black schist; 75 cm, Ø 2.2 cm, green schist; 131 cm, Ø 2.6, white and gray gneiss;
Section 2, 110 cm, Ø 1.1 cm, sandstone;
Section 3, 55 cm, Ø 3.1 cm, pale limestone, with carbonate coating;
Section 4, 87 cm, Ø 1 cm, mica schist;
Section 5, 2 cm, Ø 1.1 cm, schist.



SITE 910 HOLE C CORE 1R CORED 0.0 - 8.5 mbsf

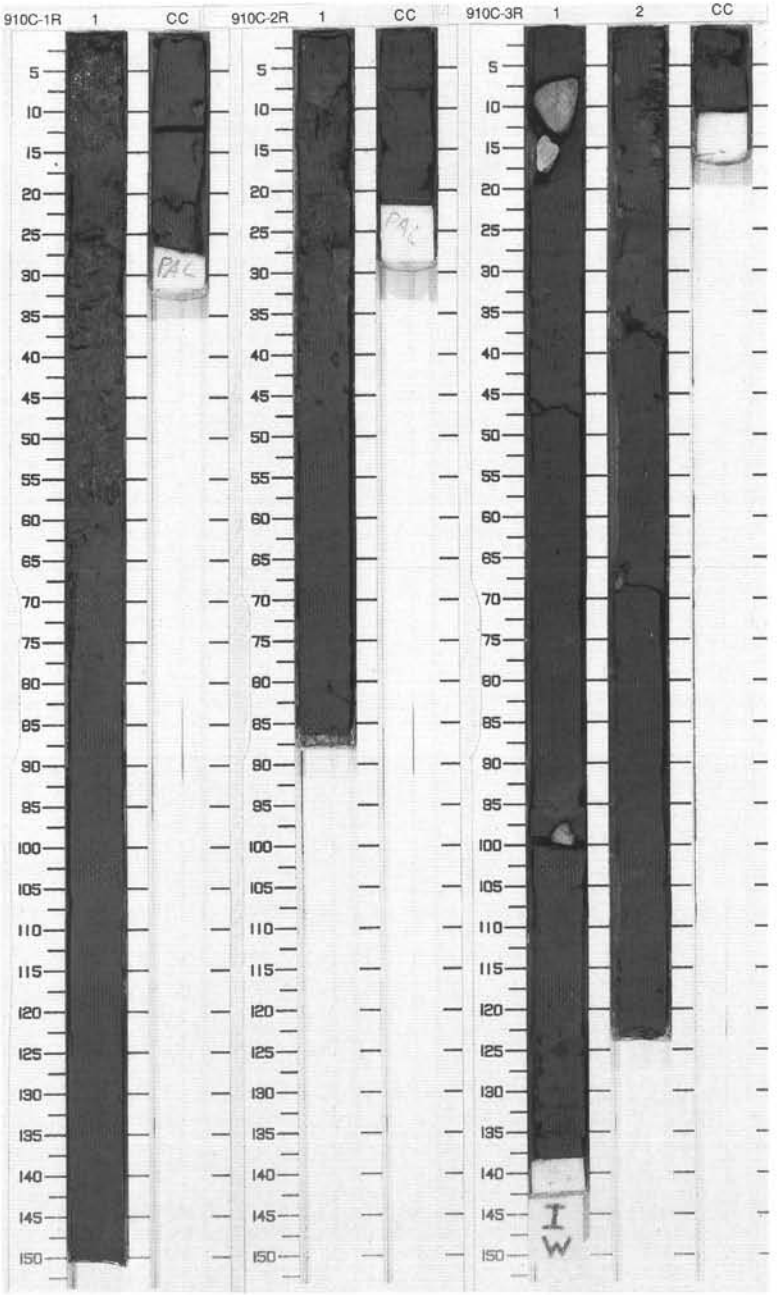
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Quaternary		W	S P S P M	2.5Y 3/2 To 5Y 3/1	CLAYEY MUD and SILTY CLAY Major Lithologies: CLAYEY MUD, very dark grayish brown (2.5Y 3/2) to dark olive gray (5Y 3/2), with sharp color contacts, occurs from top of core to Section 1, 88 cm. Coarser layers (0.3 cm thick) occur from 0–20 and 32–40 cm. Structureless, very dark gray (5Y 3/1) SILTY CLAY occurs from Section 1, 88 cm to bottom of core.
		CC						

SITE 910 HOLE C CORE 2R CORED 8.5 - 17.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		◇	W	S M P	2.5Y 3/2 To 2.5Y N3/0	CLAYEY MUD Major Lithology: CLAYEY MUD, very dark greenish brown (2.5Y 3/2) to very dark gray (2.5Y 3/2), with several coarser layers (0.3 cm thick). General Description: Dropstone: Section 1, 40 cm, Ø 1.0 cm, siltstone.
		CC						

SITE 910 HOLE C CORE 3R CORED 17.4 - 26.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Quaternary	◇ ◇ ◇ ◆		P I	2.5Y 3/2	CLAYEY MUD Major Lithology: CLAYEY MUD, very dark grayish brown (2.5Y 3/2), structureless. Silty clasts, (Ø 0.3 cm) occur in Section 1, 75–85 and 108–113 cm. General Description: Dropstones: Section 1, 13 cm, Ø 3.0 cm, siltstone; 46 cm, Ø 2.5 cm, ?; 100 cm, Ø 2.5 cm, siltstone; Section 2, 67 cm, Ø 3.0 cm, siltstone?
2		2		◇		P M		
		CC						

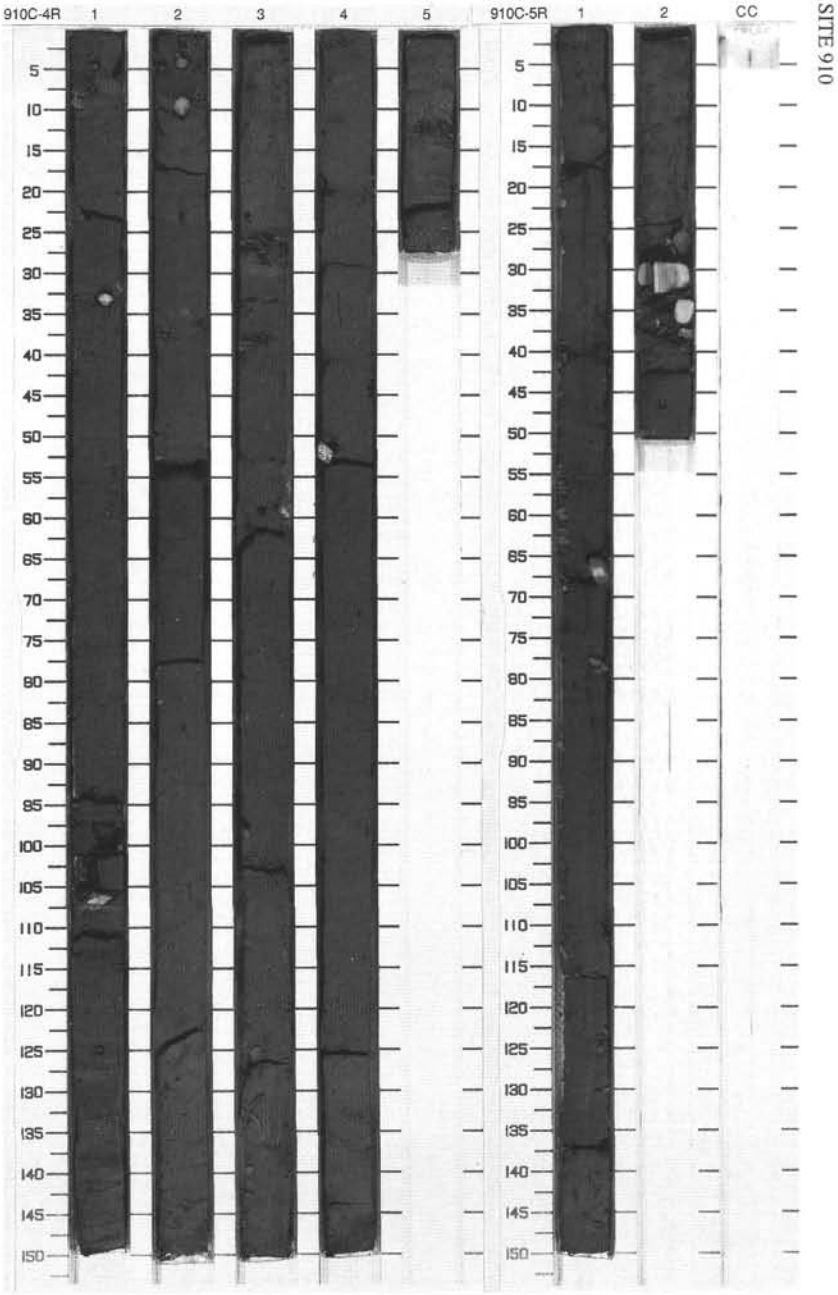


SITE 910 HOLE C CORE 4R CORED 26.4 - 35.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1–5	Quaternary			S P P P S S P M		SILTY CLAY Major Lithology: Homogeneous and massive SILTY CLAY, very dark gray (5Y 3/1), with dropstones, coal fragments, and mud clasts. Tube-like molluscan shell fragments are sparsely scattered. Minor Lithology: CLAYEY MUD layer is interbedded in Section 3, 99–103 cm. General Description: Dropstones: Section 1, 4 cm, Ø 1 cm, angular sandstone; 106–107 cm, Ø 4 cm, conglomeratic limestone; 133 cm, Ø 0.3 cm, rounded plutonic rock; Section 2, 54 cm, Ø 2 cm, rounded sandstone; Section 3, 56–59 cm, Ø 1.3 cm, angular sandstone; Section 4, 51–53 cm, Ø 2.5 cm, conglomeratic limestone, tightly cemented.

SITE 910 HOLE C CORE 5R CORED 35.3 - 44.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–2		1–2	Quaternary			S P S M P	5Y 2.5/1	SILTY CLAY and CLAYEY SILT Major Lithologies: SILTY CLAY to CLAYEY SILT, black (5Y 2.5/1), is firm and very homogeneous. Rare pockets (<1-cm size) of very dark gray (5Y 3/1) and gray (5Y 5/1) sandy sediment are present throughout. Major silt- and sand-sized grains include quartz, feldspar; minor components are inorganic calcite, accessory minerals, opaques, and glauconite. General Description: Dropstones: Section 1, 64 cm, Ø 3.5 cm, siltstone; 77 cm, Ø 1.6 cm, siltstone; 115 cm, Ø 0.7 cm, siltstone; Section 2, 26 cm, Ø 3.5 cm, sandstone; 29 cm, Ø 2 cm, siltstone; 30 cm, Ø 4.5 cm, siltstone with laminae and burrows; 34 cm, Ø 2.5 cm, sandstone; 37 cm, Ø 1.5 cm, siltstone.

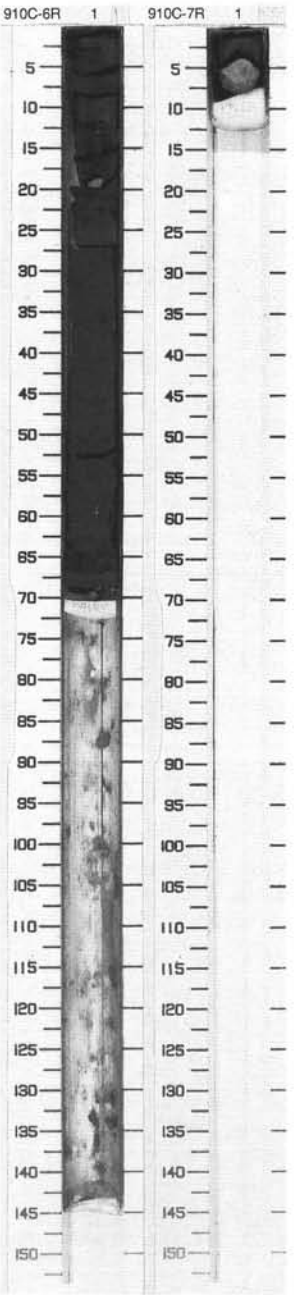


SITE 910 HOLE C CORE 6R CORED 44.9 - 54.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Quat.	◇		S P P S M	5Y 2.5/1	CLAYEY SILT Major Lithology: CLAYEY SILT, black (5Y 2.5/1), firm and very homogeneous. Black and gray (5Y 2.5/1, 5Y 5/1) sandy pockets are scattered throughout the core. Silt- and sand-sized grains include quartz, feldspar and minor accessory minerals, inorganic calcite, opaques, and glauconite. Minor Lithology: SILTY MUD, black (5Y 2.5/1), is homogeneous and occurs in Section 1, 63–67 cm. Top and bottom contacts are gradational. Silt- and sand-size grains are predominantly quartz and feldspar, with minor opaques, glauconite, and accessory minerals. General Description: Dropstone: Section 1, 18 cm, Ø 2.0 cm, siltstone.

SITE 910 HOLE C CORE 7R CORED 54.5 - 64.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
								General Description: Only 5 cm of structureless CLAYEY SILT, very dark gray (5Y 3/1), and a dropstone of calcareous siltstone, Ø 3 cm. Core catcher sampled for paleontology.



SITE 910 HOLE C CORE 8R CORED 64.2 - 73.8 mbsf

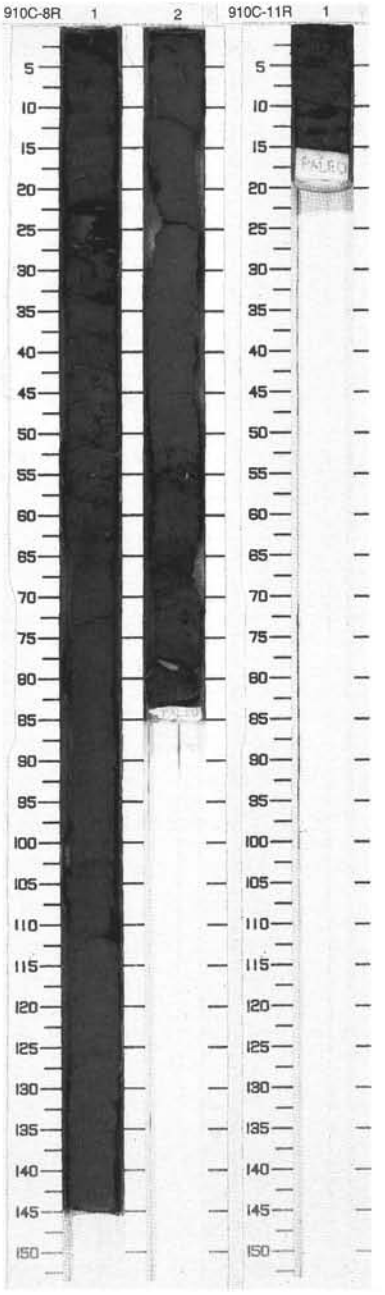
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1, 2		1, 2	Pliocene-Quaternary			S P P S I P P	5Y 3/1	SILTY CLAY and CLAYEY SILT Major Lithologies: SILTY CLAY, Section 1, 22–50 cm, black (5Y 2.5/1) changing to a less stiff and slightly lighter CLAYEY SILT (5Y 3/1), with mm-size dark burrows down to Section 2, 52 cm. Minor Lithologies: SILTY MUD, Section 1, 0–22 cm very stiff, very dark gray (5Y 3/1), structureless. SANDY–CLAYEY MUD, Section 2, 52–83 cm, very dark gray (5Y 3/1). Coarse grains and granules in indistinct layering. General Description: Dropstone: Section 2, 78 cm, Ø 2.5 cm, dark sandy shale.

910C 9R NO RECOVERY

910C 10R NO RECOVERY

SITE 910 HOLE C CORE 11R CORED 93.1 - 102.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1				M		CLAYEY SILT Major Lithology: CLAYEY SILT, very dark gray (5Y 3/1), is homogeneous. The major silt- and sand-sized components are quartz and feldspar; minor components are opaques, accessory minerals, volcanic glass, and glauconite (smear slide was made for Section 1, 8 cm). Section 1, 0–3 cm is soupy; 3–15 cm is moderately fractured by drilling.



SITE 910 HOLE C CORE 12R CORED 102.8 - 112.4 mbsf

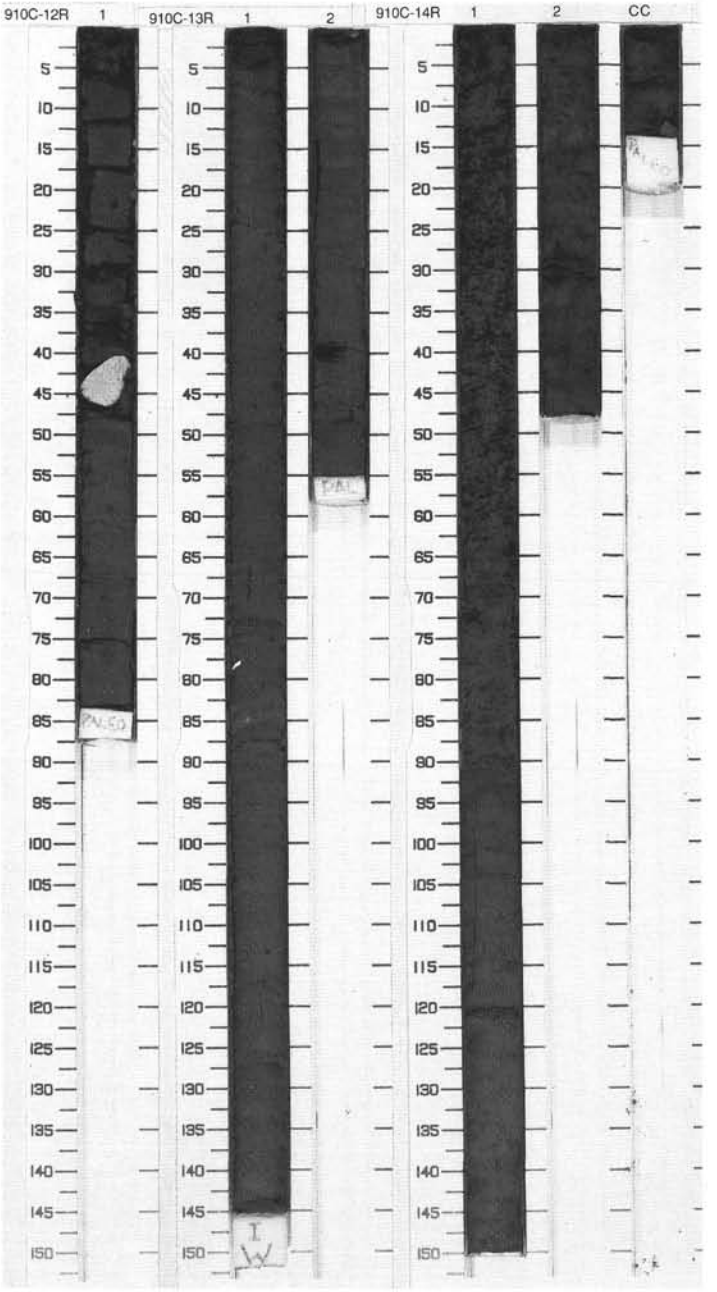
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Pliocene	◇ ◇ ▩	⊥⊥⊥	S S P S M	5Y 3/1	SILTY CLAY Major Lithology: SILTY CLAY, very dark gray (5Y 3/1), is firm and homogeneous, except for a single color band (slightly more brown) at 40–51 cm. Upper 6 cm is soupy; rest is moderately fractured. Silt- and sand-sized components include quartz (15%–20%), feldspar (5%–20%), and minor accessory minerals, opaques, volcanic glass, inorganic calcite, and glauconite. General Description: Dropstones: Section 1; 40 cm, Ø 7.5 cm, sandstone.

SITE 910 HOLE C CORE 13R CORED 112.4 - 122.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2		1 2	Pliocene	= = =	– – –	S P S P S I P S M	5Y 3/1	SILTY CLAY, CLAY Major Lithologies: Homogeneous and firm SILTY CLAY, very dark gray (5Y 3/1). Mm-sized pockets of darker sediment occur. Coal fragment (Ø 0.4 cm) is found in Section 1, 70 cm. CLAY, very dark gray (5Y 3/1) is present in Section 1, 82–88 cm.

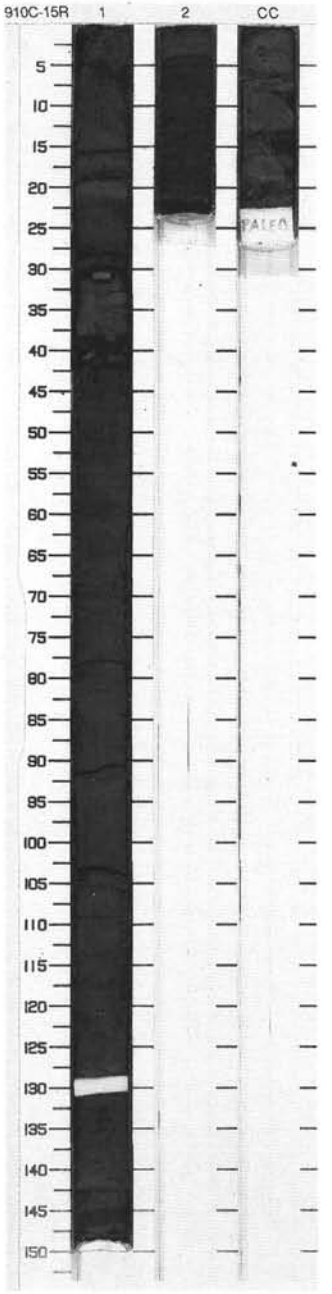
SITE 910 HOLE C CORE 14R CORED 122.0 - 131.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2		1 2 CC	Pliocene	◇	○○○○	S P S P M	5Y 3/1	CLAYEY SILT and SILTY MUD Major Lithologies: Structureless, stiff, very dark gray (5Y 3/1) CLAYEY SILT grading progressively downward in a SILTY MUD bearing coarse sand-sized grains. The first 70 cm of the core are very disturbed by coring or by the expansion of gas. General Description: Dropstone: Section CC, 12 cm, Ø 1.5 cm, siltstone.



SITE 910 HOLE C CORE 15R CORED 131.6 - 141.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2		1 2 CC	Pliocene	◇ ◇ ◇		S P S P S P M	5Y 2.5/1	SILTY CLAY and CLAYEY SILT Major Lithologies: CLAYEY SILT, very dark gray (5Y 3/1), is firm and homogeneous. SILTY CLAY, very dark gray (5Y 3/1), is similar in appearance except that it is very firm and smooth textured on the split surface; it occurs in Section 1, 13–21, 30–38, 141–145, and 147–150 cm; Section 2, 0–3 cm; Section CC. Major silt- and sand-sized constituents are quartz (20%–25%), feldspar (15%–25%); minor constituents are accessory minerals and opaques. Gray (5Y 5/1) and dark greenish gray (5GY 4/1), sandy pockets (<1-cm size) are rarely scattered throughout. Minor Lithology: CLAYEY MUD, very dark gray (5Y 3/1), in Section 2 is homogeneous. Sand comprises 20% of the sediment. The major constituents, excluding clay, are quartz, feldspar and minor volcanic glass, inorganic calcite, accessory minerals, and opaques. General Description: Dropstones: Section 1, 30 cm, Ø 2.5 cm, sandstone; 40 cm, Ø 3.0 cm, siltstone.

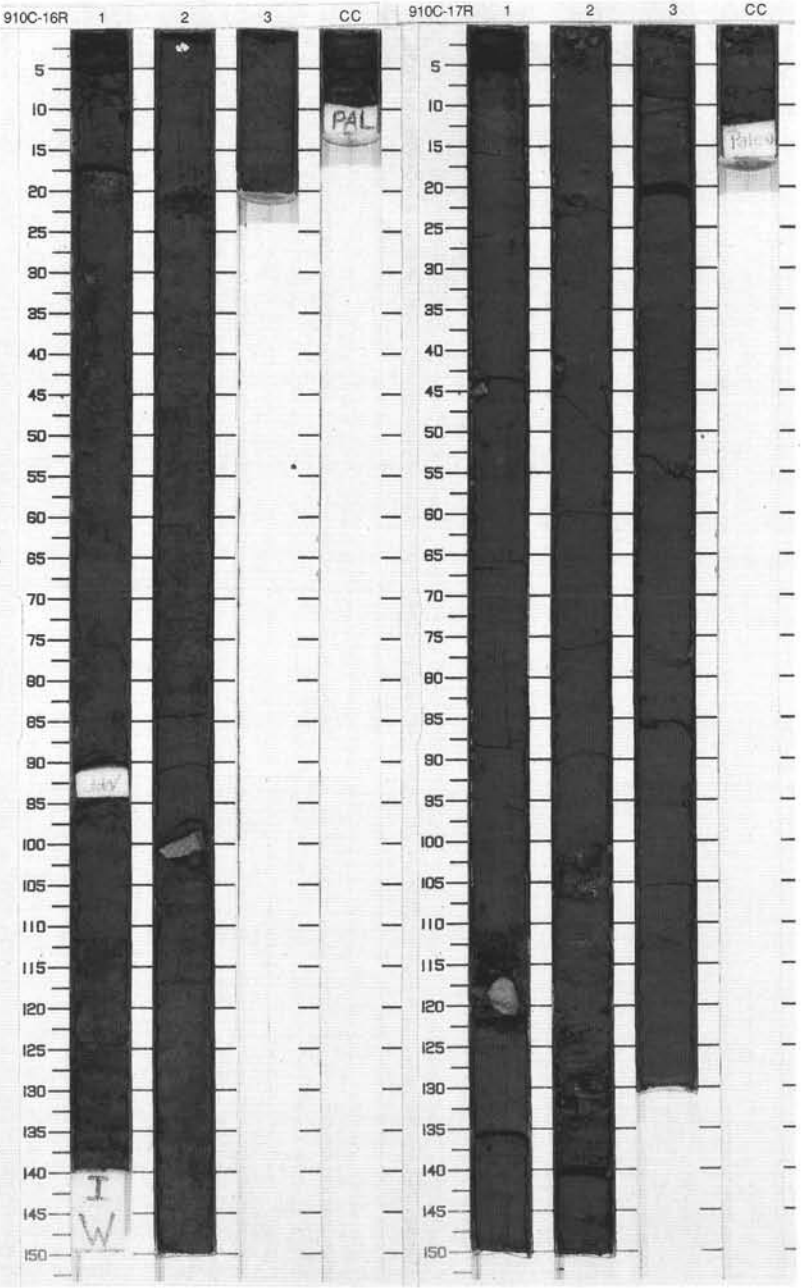


SITE 910 HOLE C CORE 16R CORED 141.2 - 150.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–3		1, 2, CC	Pliocene			S P, S P, I P, S P, P, S M	5Y 3/1	SILTY CLAY AND CLAYEY SILT Major Lithologies: SILTY CLAY AND CLAYEY SILT, very dark gray (5Y 3/1) and structureless. Minor Lithology: SILTY CARBONATE, dark olive gray (5Y 3/2), in Section 1, 16–21 cm. The layer consists of silt-sized, elongate, colorless, Mg-calcite grains. General Description: Mm-sized layers sand pockets filled with quartz sand and silt are present in Section 2. Mollusk fragments occur in the top of Section 2. Dropstones: Section 1, 30 cm, Ø 1.8 cm, sandstone; Section 2, 101 cm, Ø 6.0 cm, calcite-cemented sandstone.

SITE 910 HOLE C CORE 17R CORED 150.9 - 160.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–4		1, 2, 3, CC	Pliocene		!	P, S, P, S, S P, M	5Y 3/1	SILTY CLAY Major Lithology: SILTY CLAY, very dark gray (5Y 3/1), homogeneous throughout Section 1, 0 cm to Section 2, 120 cm. Interbedded with CLAYEY MUD below. Minor Lithology: CLAYEY MUD, very dark gray (5Y 3/1), interbedded in Sections 2, 120 cm through CC. General Description: SILTY CLAY in Section 1. In Section 2, 120–127 cm through Section CC, CLAYEY MUD, interbedded in layers 1 to 13 cm thick. Sand clasts, light to brown and smaller dropstones which include coal are present, but not common. Dropstones: Section 1, 40 cm, Ø 2.1 cm, gray granite; 116 cm, Ø 5.2 cm, large buff layered sandstone, Section 2, 21 cm, Ø 1.9 cm, black limestone; 41 cm, Ø 1.2 cm, black slate.

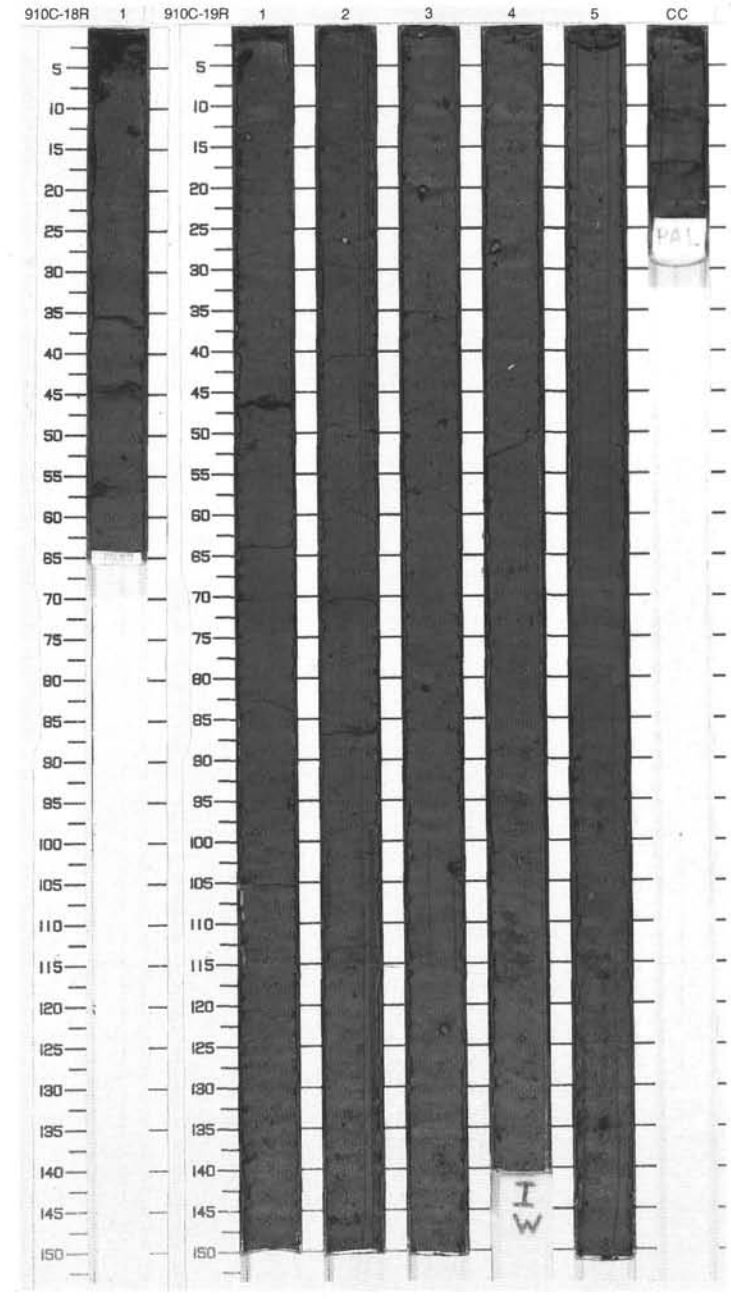


SITE 910 HOLE C CORE 18R CORED 160.5 - 170.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Plio.	◇ ⌇ ⌇	!	S M	10Y 3/1	SILTY CLAY Major Lithology: Homogeneous, dark olive gray (10Y 3/1), slightly bioturbated SILTY CLAY. Six coarser layers (0.5 cm thick) between 53–57 cm, gradational contacts.

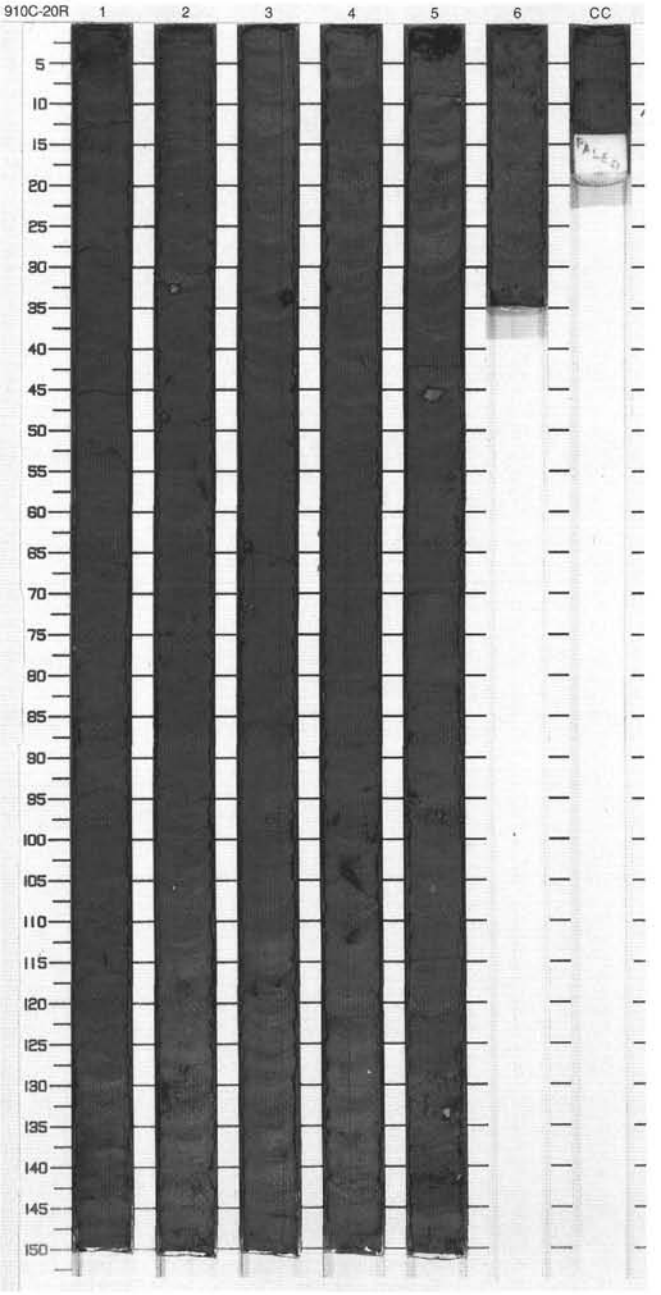
SITE 910 HOLE C CORE 19R CORED 170.2 - 179.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3 4 5 6 7		1 2 3 4 5 CC	Pliocene	◇ ⌀ ◇ Ⓟ ⌀ ◇ ⌀ ◇ ◇ Ⓟ ⌀ ◇ Ⓟ Ⓟ ◇ ◇ ◆ ◇ Ⓟ Ⓟ ⌀ Ⓟ Ⓟ ⌀		P S P S P S P I S P M	5Y 4/1	SILTY CLAY and CARBONATE-BEARING SILTY CLAY Major Lithologies: Homogeneous massive SILTY CLAY, dark gray (5Y 4/1), with small dropstones, mud clasts (Ø 2 cm) and pyrite concretions (Ø 0.5 cm). Fragmented molluscan shells are sparsely present throughout the core. CARBONATE-BEARING SILTY CLAY, from Section 5 through Section CC, contains 17% inorganic calcite. Minor Lithology: Faint coarser layer in Section 2, 69 cm, is composed of SILTY MUD. General Description: Dropstones: Section 1, 3 cm, Ø 1 cm angular mudstone; 51 cm, Ø 1 cm angular mudstone; Section 3, 123 cm, Ø 1 cm conglomeratic limestone?; Section 4, 27 cm, Ø 1.5 cm, rounded shale.



SITE 910 HOLE C CORE 20R CORED 179.8 - 189.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1, 2, 3, 4, 5, 6, CC	Pliocene			S, P, M	5Y 3/1	SILTY CLAY and INORGANIC CALCITE-BEARING SILTY CLAY Major Lithologies: SILTY CLAY and INORGANIC CALCITE-BEARING SILTY CLAY, very dark gray (5Y 3/1). Although the percentage of inorganic calcite varies from 2% to 15% (smear slide numbers), the surface color doesn't change, making it impossible to visually distinguish the two units. General Description: Slighty coarser layers, although still SILTY CLAY, are present in Section 1, 36–50 cm and Section 2, 9–14 cm. Small shell fragments, mollusks (maximum 1-cm size), are present at several locations shown in the structure column. Dropstones: Section 2, 33 cm, Ø 1.5 cm, metamorphic; 49 cm, Ø 1 cm, carbonate, Section 3, 33 cm, Ø 1 cm, pyrite; 64 cm, Ø 1 cm, dark gray siltstone, odd shape; Section 5, 44 cm, Ø 2.3 cm, black quartzite; 95 cm, Ø 1 cm, black mudstone.

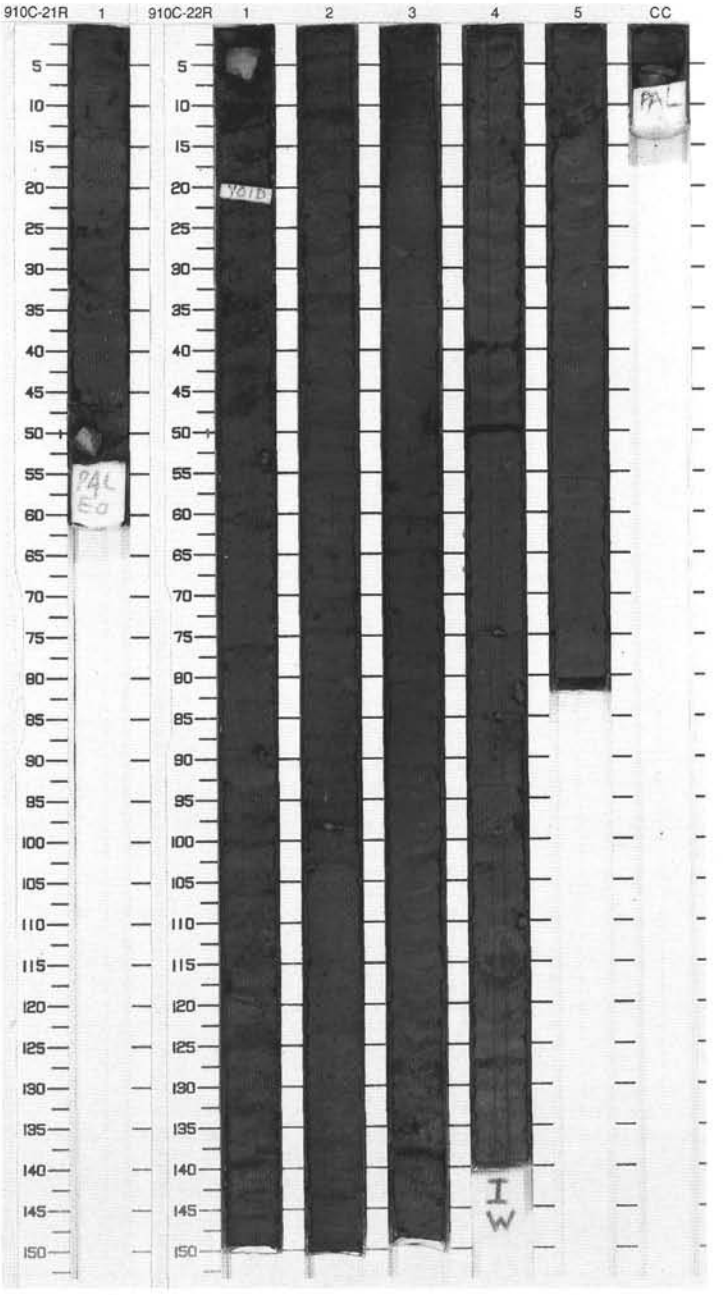


SITE 910 HOLE C CORE 21R CORED 189.4 - 199.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Plio.			P M	5Y 3/1	SILTY CLAY Major Lithology: SILTY CLAY, very dark gray (5Y 3/1). Coarser layers, ±0.5 mm thick, between 5–8 cm with gradational contacts. General Description: Dropstones: 20 cm, Ø 1.0 cm, siltstone; 26 cm, Ø 4.0 cm, siltstone.

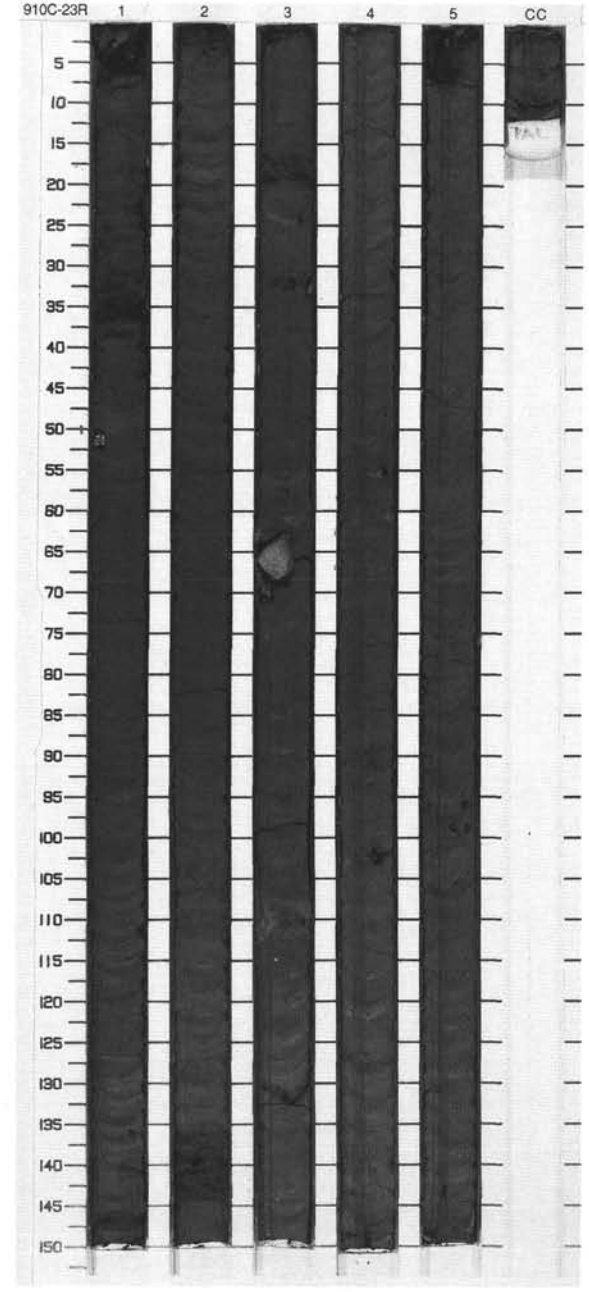
SITE 910 HOLE C CORE 22R CORED 199.0 - 208.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3 4 5 6	Void	1 2 3 4 5 CC	Pliocene		W W	P S P S P P I P M	10Y 3/1 10Y 4/1 10Y 3/1 5Y 3/1	SILTY CLAY Major Lithology: Very dark gray (5Y 3/1, 10Y 3/1) SILTY CLAY. Lithology is homogeneous throughout most of the core. Quartz (~20%) is the major non-clay mineral. Minor (<5%) quantities of biogenic silica and inorganic calcite occur at sporadic intervals. General Description: A gas void occurs in Section 1, 20 cm. Pyrite nodules occur in Section 3, 90 cm, and Section 4, 75 cm. Bioturbation is only evident as rare filled burrows. Dropstones: Section 1, 53 cm, Ø1.5 cm sedimentary; 89 cm, Ø1.0 cm siltstone; 117 cm, Ø1.0 cm, shale, Section 2, 98 cm, Ø1.5 cm, gray sand; 104 cm, Ø1.5 cm shale. Section 3, 02 cm, Ø1.5 cm, siltstone; 136 cm, Ø 2.0 cm, siltstone. Section 4, 82 cm, Ø 1.0 cm, siltstone; 110 cm, Ø 2.5 cm, siltstone. Section CC, 8 cm, Ø 4.0 cm siltstone.



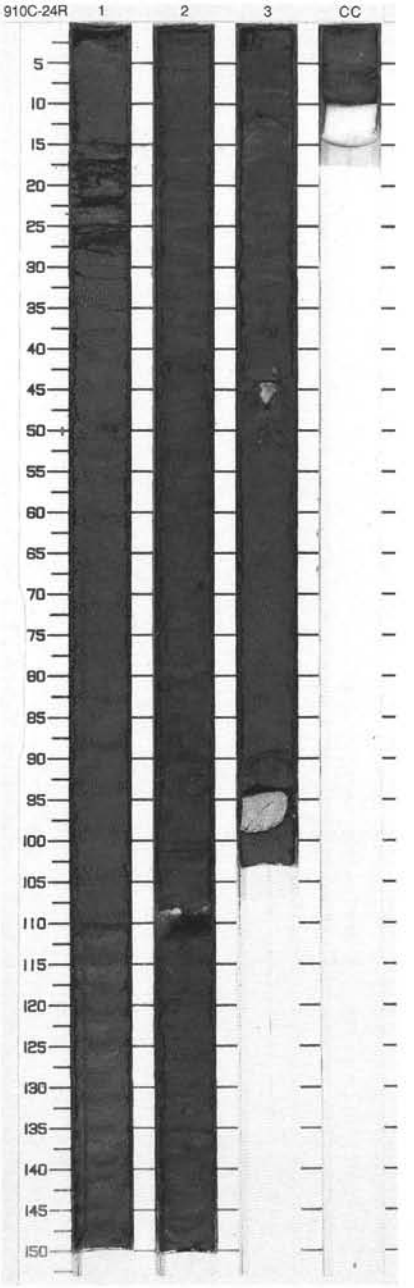
SITE 910 HOLE C CORE 23R CORED 208.7 - 218.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1–5, CC	Pliocene			P, S, M	5Y 3/1	SILTY CLAY Major Lithology: SILTY CLAY, homogeneous, very dark gray (5Y 3/1). Coarser layers (1.0 cm thick), present in upper three sections, have gradational contacts. Pyrite concretions (1.0 cm Ø) occur in Sections 1, 2, 3, and 4. General Description: Dropstones: Section 1, 51 cm, Ø 2.0 cm, metamorphic, Section 3, 64 cm, Ø 5.5 cm, siltstone, Section 4, 149 cm, Ø 1.0 cm, claystone-siltstone, Section 5, 0–4 cm, Ø 5.0 cm, rounded sandstone.



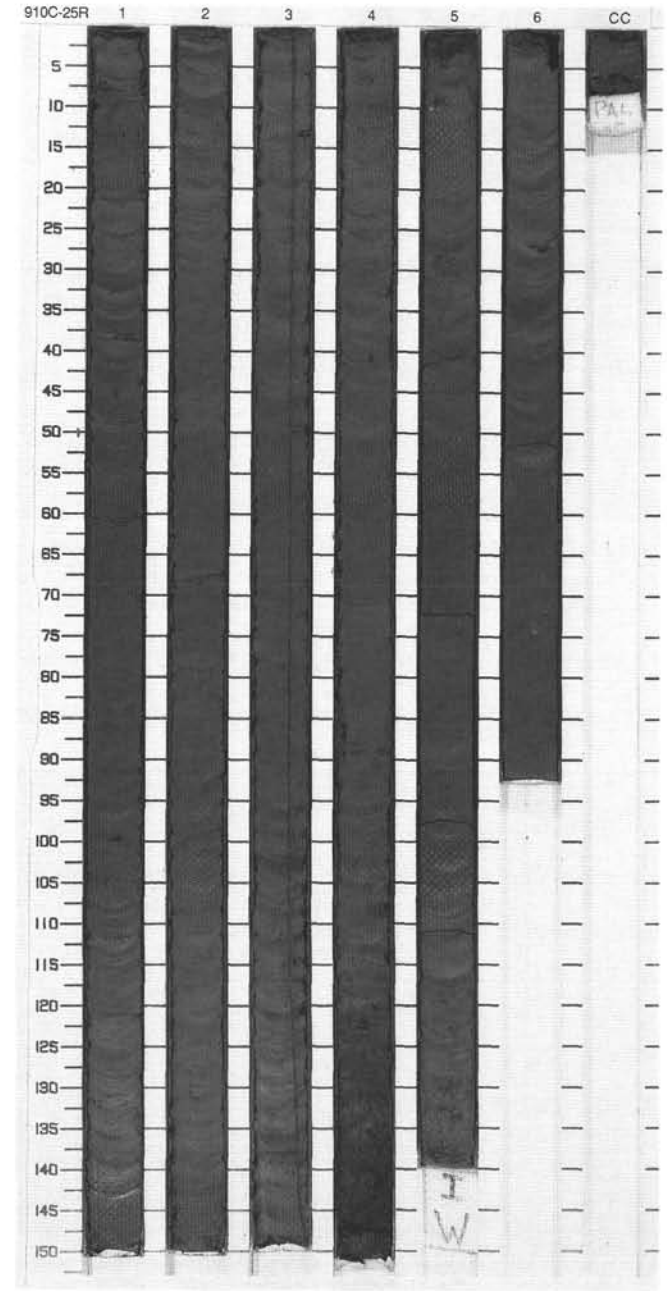
SITE 910 HOLE C CORE 24R CORED 218.3 - 228.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–4		1, 2, 3, CC	Pliocene			S, P, P, S, P, M	5Y 3/1	SILTY CLAY AND CLAYEY SILT Major Lithologies: SILTY CLAY and CLAYEY SILT, very dark gray (5Y 3/1), mottled throughout, especially in the clay section. Section 1, 41–118 cm, is the coarser CLAYEY SILT. Small shell fragments were observed in Section 3 and small sand clasts are present throughout. General Description: Dropstones: Section 3, 44 cm, Ø 4 cm, gray quartzite; 94 cm, Ø 5.8 cm, light gray quartzite.



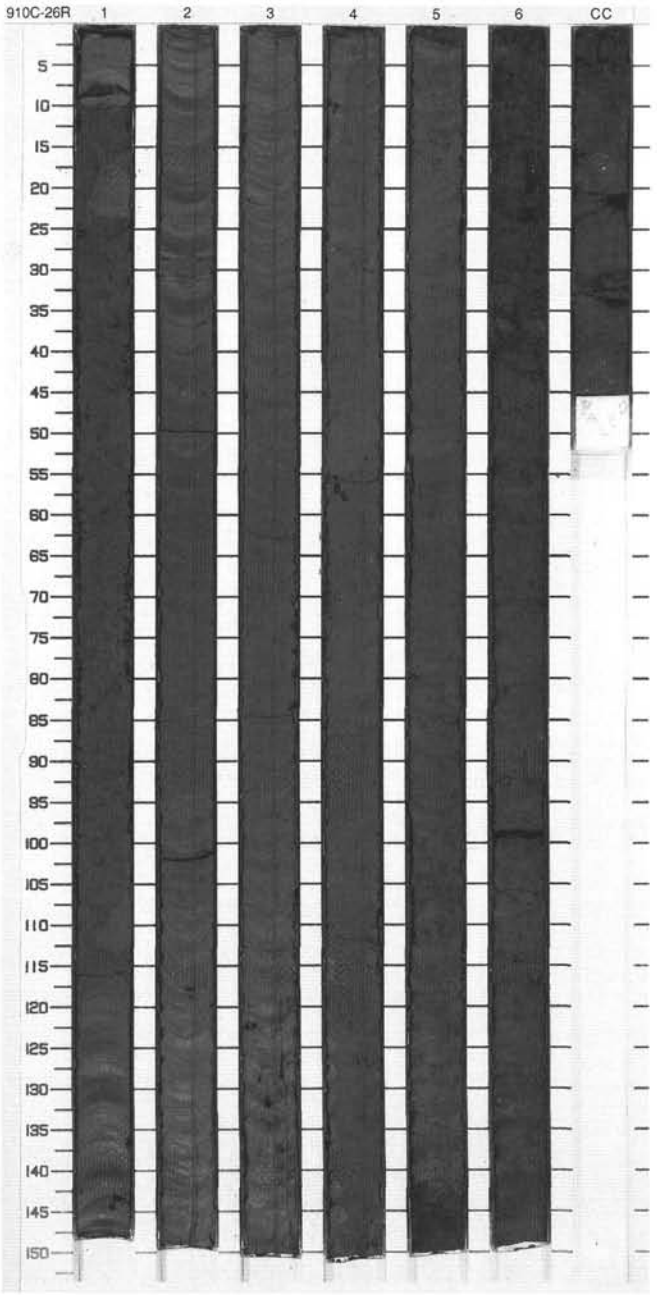
SITE 910 HOLE C CORE 25R CORED 228.0 - 237.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	Pliocene			S, P, I, M	5Y 3/1	SILTY CLAY Major Lithology: SILTY CLAY, homogeneous, very dark gray (5Y 3/1). Several coarser *layers* (1.0 *cm*) are present throughout the whole core. Gradational contacts are dominant. General Description: Pyrite concretions (0.5 cm Ø) occur in Section 1, 98 cm; Section 2, 95 and 98 cm; Section 3, 11 cm; Section 4, 44, 122, and 132 cm; Section 5, 6, 27, and 72 cm. Shell fragments are present in Sections 1, 25 and 69 cm; Section 5, 51, 72, and 112 cm.

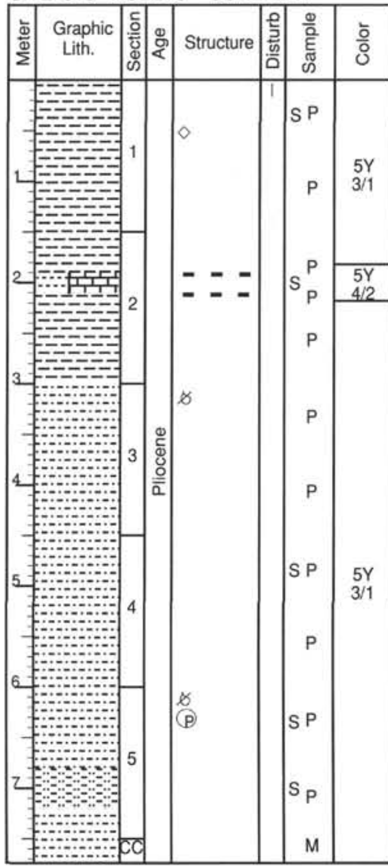


SITE 910 HOLE C CORE 26R CORED 237.6 - 247.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–6, CC	Pliocene			P, S, M	5Y 3/1	SILTY CLAY and SILTY MUD Major Lithologies: SILTY CLAY, very dark gray (5Y 3/1), has a smooth split surface and rare pyritic burrows. It grades into a SILTY MUD, slightly lighter in color and less *homogeneous*. *Sandier indistinct* patches and distinct small burrows are filled with clean quartz sand. General Description: Drilling breccia within the first 110 cm (soft and mottled sediment). Incipient drilling biscuits throughout. Dropstone: Section 6, 25 cm, Ø 1.5 cm, angular flat sandstone.



SITE 910 HOLE C CORE 27R CORED 247.2 - 256.9 mbsf



Description

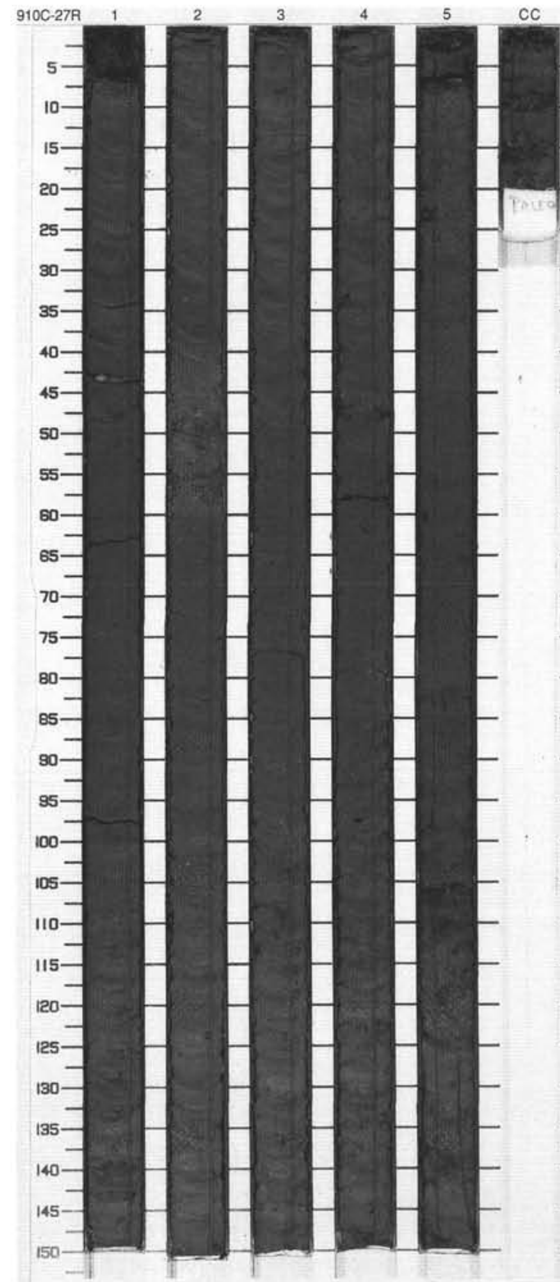
SILTY CLAY and CLAYEY MUD

Major Lithologies:
SILTY CLAY and CLAYEY MUD, very dark gray (5Y 3/1) and structureless. Gradational change between the two lithologies near the base of Section 2. Up to cm-sized pockets filled with quartz sand and shell fragments throughout the core. Larger, up to 1.2-cm mollusk fragments occur in Section 3, 7–8 cm and Section 5, 5–6 cm. One pyrite-cemented tubular burrow (1 cm) was found in Section 4, 34–35 cm. Pyrite concretion occurs in Section 5, 22–23 cm. Coarse fraction includes quartz, feldspar, accessory minerals, and opaques.

Minor Lithologies:
SILTY MUD, very dark gray (5Y 3/1) is present in Section 5, 84–122 cm. Contacts to other lithologies gradational. CLAYEY CARBONATE, olive gray (5Y 4/2) occurs in Section 2, 41–60 cm. Matrix in this layer is comprised of 60% (smear slide value which is generally much higher than the coulometer value) clay to silt-sized elongated carbonate grains. Coarse fraction consists of quartz and pyrite.

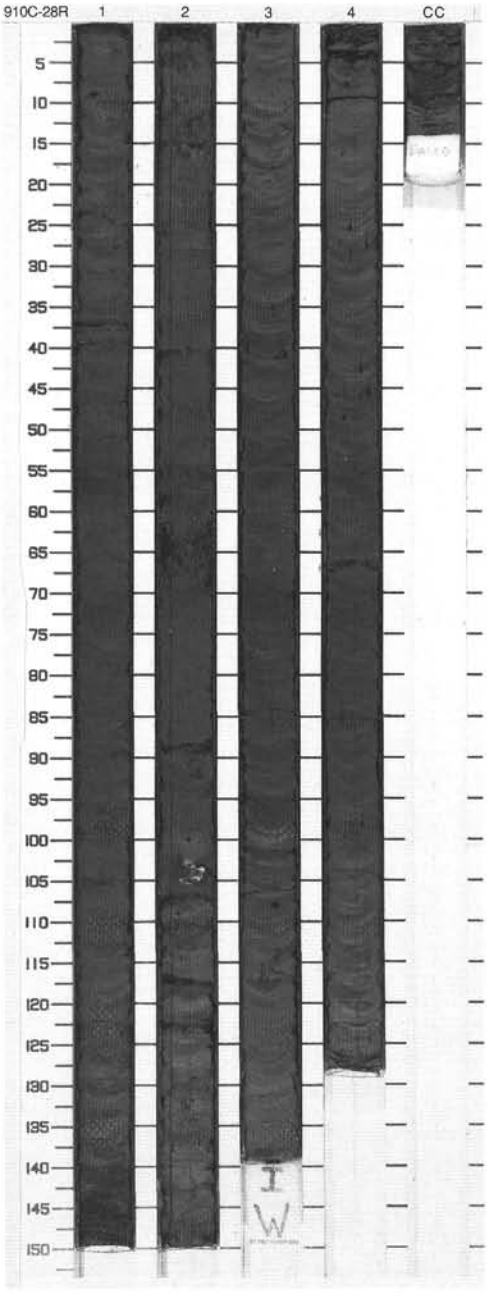
General Description:
Incipient drilling biscuits throughout the core.

Dropstone:
Section 1, 42 cm, Ø 1.5 cm, quartz.



SITE 910 HOLE C CORE 28R CORED 256.9 - 266.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1–4, CC	Pliocene			P, S, P, P, S, P, P, S, P, P, I, P, P, M	5Y 3/1	SILTY CLAY and CLAYEY SILT Major Lithologies: SILTY CLAY and CLAYEY SILT, very dark gray (5Y 3/1), are homogeneous, except for scattered pockets (mm size) of black (5Y 2.5/1) and gray (5Y 5/1) sandy sediment throughout the core. Quartz and feldspar are the major silt- and sand-sized grains. Minor Lithology: SANDY MUD, very dark gray (5Y 3/1), in Section 2, 60–70 cm occurs in pockets and discontinuous layers. Top and bottom contacts of this interval are gradational. The dominant sand- and silt-sized components are quartz, feldspar, inorganic calcite, and accessory minerals. General Description: Dropstones, <0.5 cm in size, are scattered throughout Sections 2 to CC. Section 2, 103 cm, Ø 4 cm, containing quartz, feldspar, biotite, and sulfides (vein filling?).



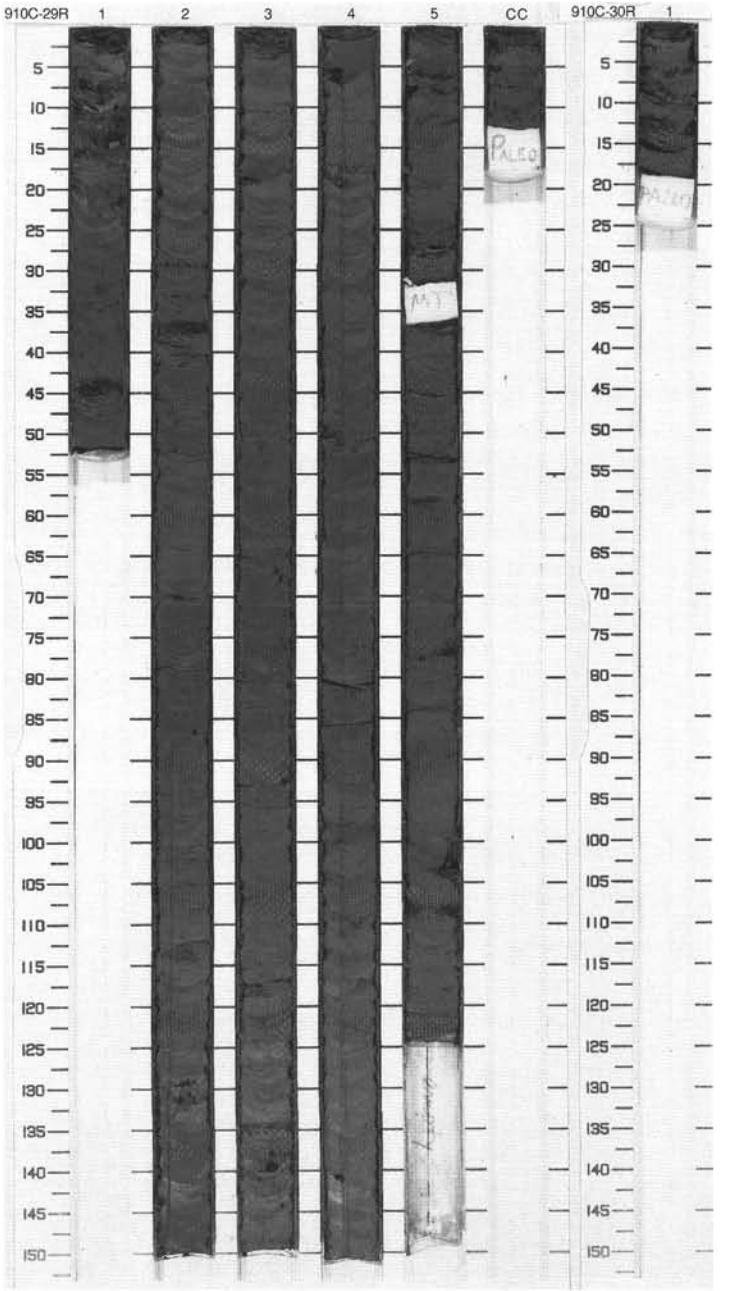
SITE 910 HOLE C CORE 29R CORED 266.5 - 276.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1–5, CC	Pliocene			P; S P; P; P; P; P; P; S P; P; S M P I	5Y 3/1	SILTY CLAY and CLAYEY SILT Major Lithologies: SILTY CLAY and CLAYEY SILT, very dark gray (5Y 3/1), very homogeneous. Only fresh scraped surface shows fine darker patches indicative of bioturbation. Section 5 is slightly coarser grained. Four occurrences of (0.5–0.7 cm) large spherical irregular concretions with pyrite crystals, in Section 3, 79 and 140 cm, and Section 4, 40 and 140 cm. Thin shell fragments in Section 5. Section 1 is probably only drilling breccia.

SITE 910 HOLE C CORE 30R CORED 276.2 - 285.8 mbsf

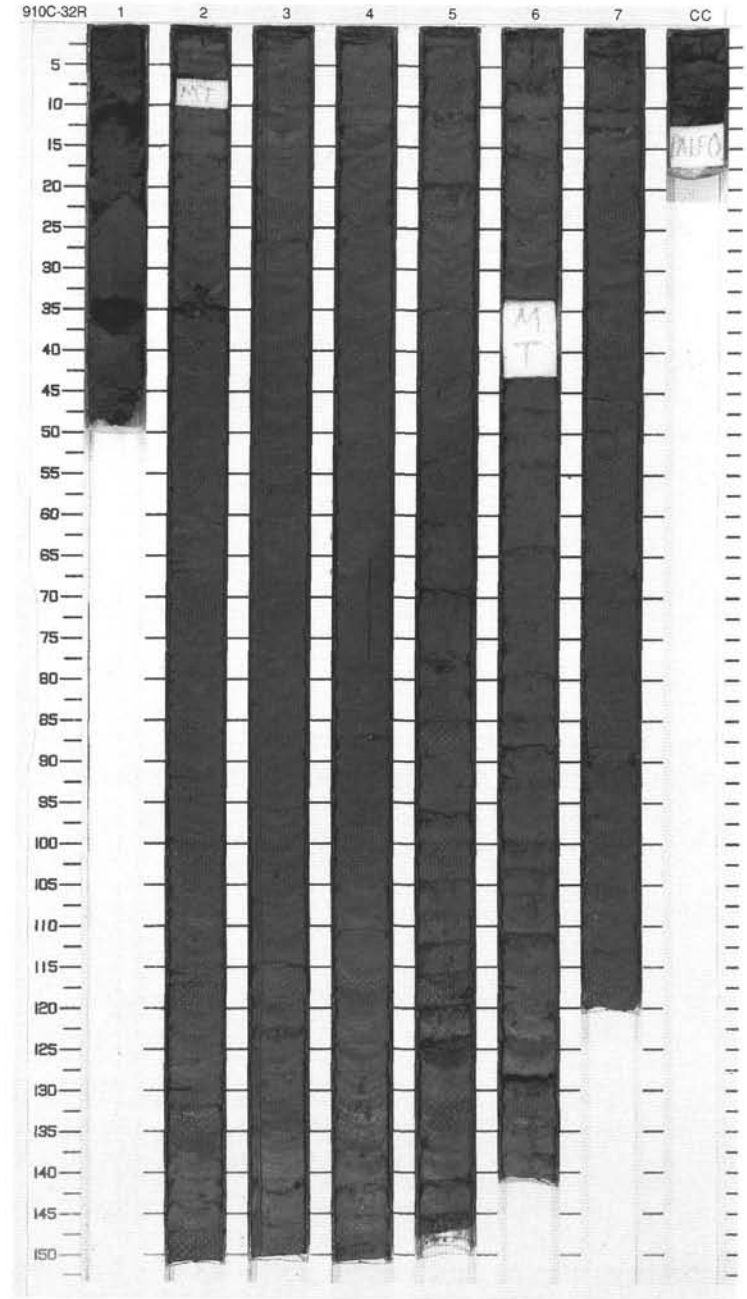
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Plio.			S M		SILTY CLAY Major Lithology: SILTY CLAY, very dark gray (5Y 3/1), homogeneous. Fine darker patches indicative of bioturbation. Disturbed by coring.

910C 31R HARD ROCK



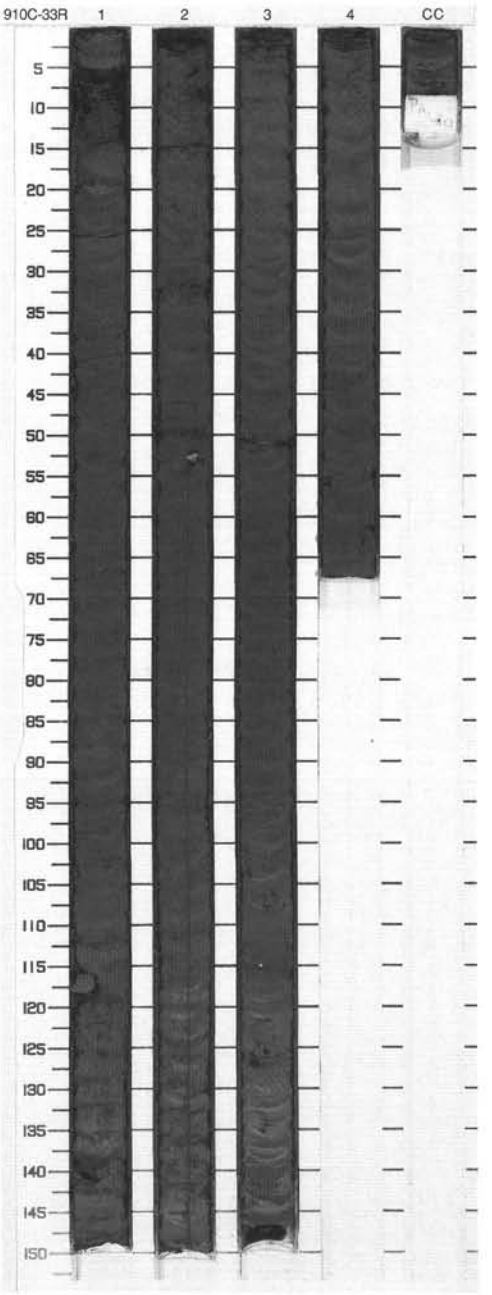
SITE 910 HOLE C CORE 32R CORED 295.5 - 305.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7	VOID	1–7, CC	Pliocene	⊙	VVV	P, S, I, M	5Y 3/1	SILTY CLAY Major Lithology: SILTY CLAY, very dark gray (5Y 3/1) is homogeneous, containing pockets (<1 cm size) of gray (5Y 5/1) sandy sediment sparsely scattered throughout the core. Incipient concretions, <1 cm size, occur in Section 2, 34 cm; Section 5, 78, 118, and 124 cm. Dominant silt- and sand-sized grains are quartz, accessory minerals, and feldspar. General Description: The entire core is disrupted into drill biscuits.



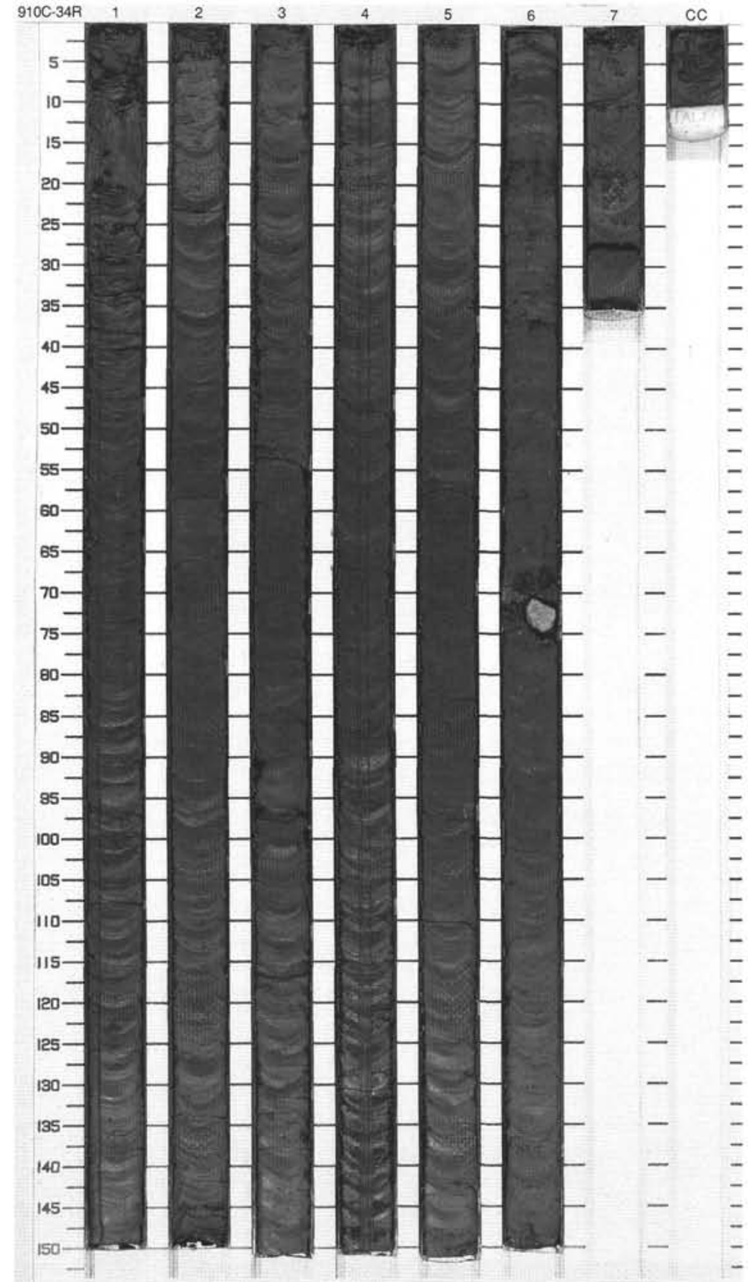
SITE 910 HOLE C CORE 33R CORED 305.1 - 314.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1, 2, 3, 4, CC	Pliocene	⊙ ◇ ◇ ◇ ◇ ⊘	I I	P S P S P P P S P I P M	5Y 3/1	SILTY CLAY and CLAYEY SILT Major Lithologies: SILTY CLAY and CLAYEY SILT, very dark gray (5Y 3/1), stiff and structureless. The two lithologies alternate throughout the core. The coarse fraction includes quartz, feldspar, inorganic calcite, accessory minerals, opaques, and glauconite. General Description: Concretions (<0.5 cm) occur throughout the core. One large (1 cm) and several small concretions are found in Section 1, 115–120 cm. Quartz and pyrite crystals are included in the concretions. Dropstones: Section 1, 140 cm, Ø 3.2 cm, sulfide-bearing propylite; Section 2, 4 cm, Ø 4.1 cm, siltstone; 8.0 cm, Ø 1.2 cm, siltstone; 53 cm, Ø 1.5 cm, quartz.



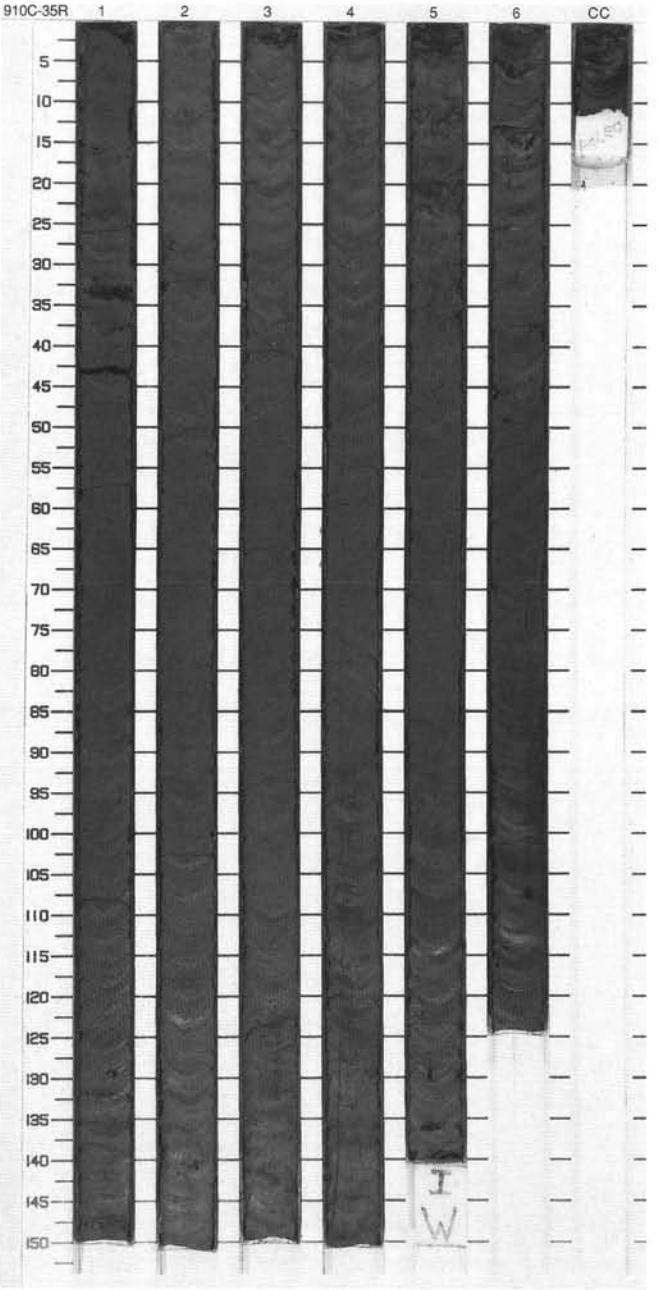
SITE 910 HOLE C CORE 34R CORED 314.8 - 324.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0–9	Silty clay	1, 2, 3, 4, 5, 6, 7, CC	Pliocene	◇ (Section 6)	I	S P; P; P; P; S; P; S; S P; P; M	5Y 3/1	SILTY CLAY Major Lithology: Very stiff, homogeneous, very dark gray (5Y 3/1) SILTY CLAY. Major silt- and sand-sized components are quartz (20%–25%) and feldspar (5%). Inorganic calcite is present in minor amounts. General Description: A single siltstone dropstone (Ø 4.1 cm) occurs in Section 6, 72 cm, at the base of a 50-cm layer marked by numerous 2–5-mm sandy pods.



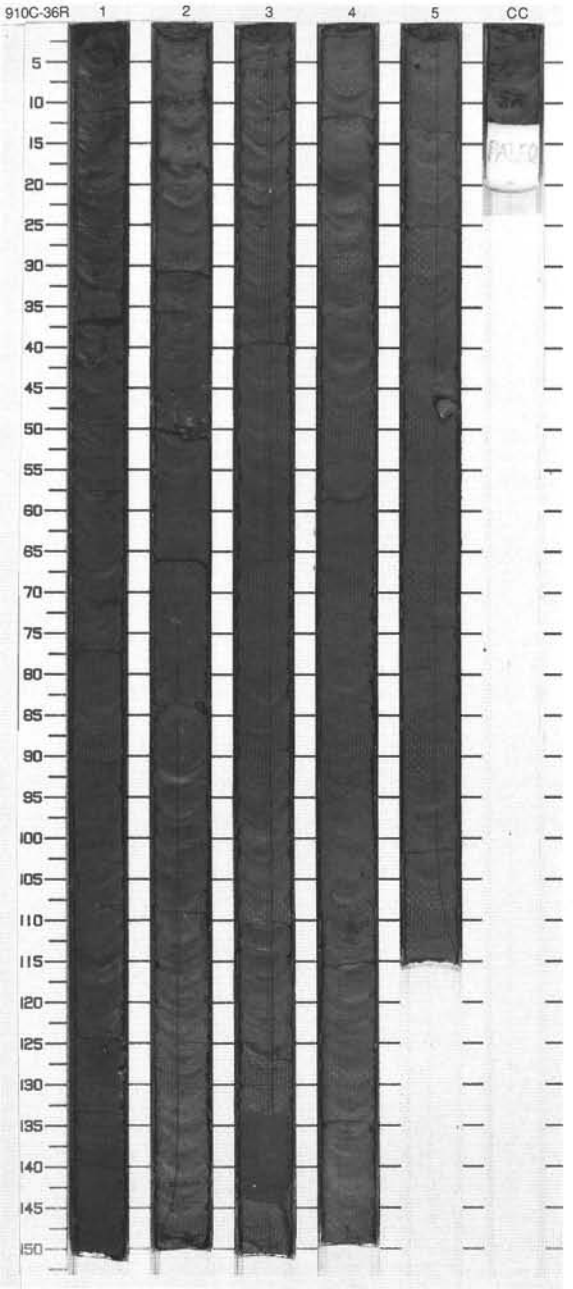
SITE 910 HOLE C CORE 35R CORED 324.4 - 334.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	Pliocene			S, P, I, M	5Y 3/1	SILTY CLAY Major Lithology: SILTY CLAY, homogeneous, very dark gray (5Y 3/1). Several coarser layers (1.0 cm thick) are present and have gradational contacts. General Description: Pyrite concretions, Ø 0.5 cm, occur in Section 1, 25–37 cm; Seciton 1, 57–90 cm; Section 2, 0–21 cm; Section 2, 120–150 cm; Section 3, 0–108 cm; Section 4, 0–45 cm, Section 4, 110–130 cm; Section 5, 0–100 cm. They are probably burrow fills.



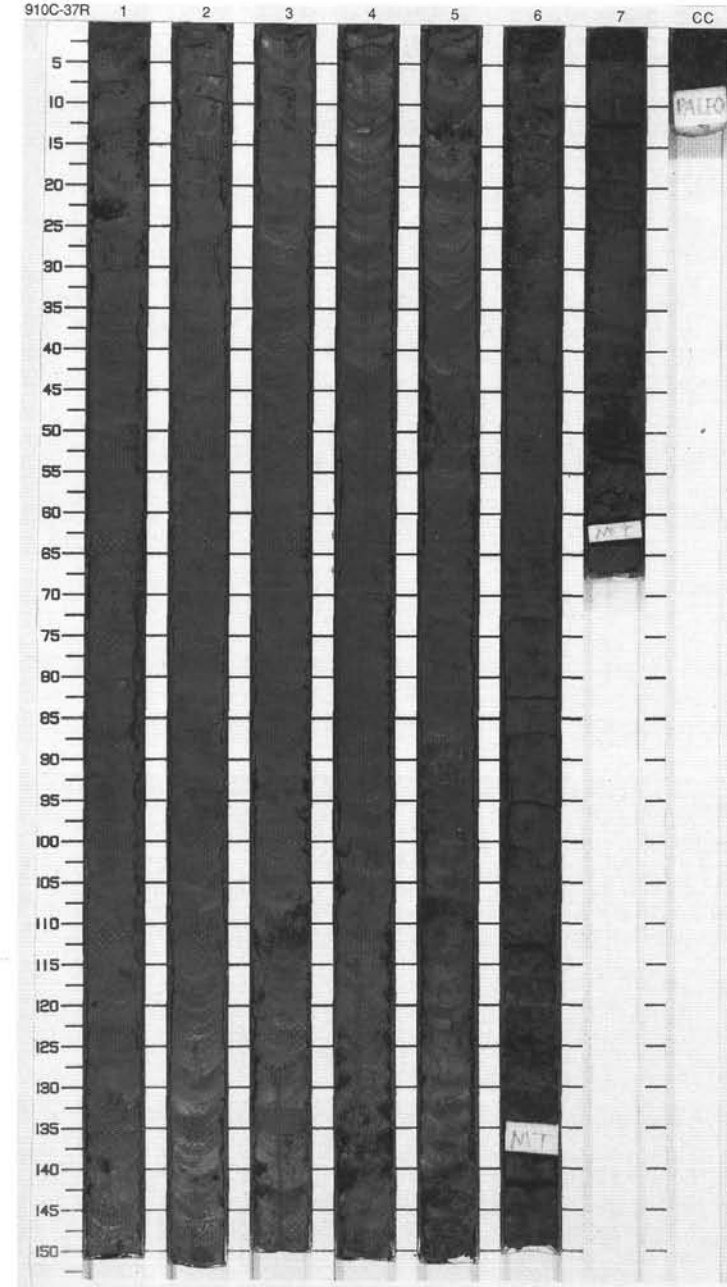
SITE 910 HOLE C CORE 36R CORED 334.1 - 343.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1	Pliocene			S P	5Y 3/1	SILTY CLAY Major Lithology: Very dark gray (5Y 3/1) SILTY CLAY. The lithology is homogeneous and very firm, with a smooth surface. Quartz is the predominant non-clay mineral. Feldspar, inorganic calcite, and light and dark brown glass shards are present in minor quantities (<5%). Minor Lithology: Scattered pods of CLAYEY SILT occur throughout the core. These may constitute burrow infillings. Within this lithology, sand grains are an important minor component (9%), while silt and clay are present in approximately equal proportions (45%). This lithology contrasts sharply with the dominant lithology in its episodic appearance, relatively coarse grain size, friable texture, and light gray (2.5Y 7/2) to white (2.5Y 8/0) color.
		2		P		P		
		3		P		P		
		4		◆ ◆		P S		
		5		◇		P		
		CC		Ⓟ		M		



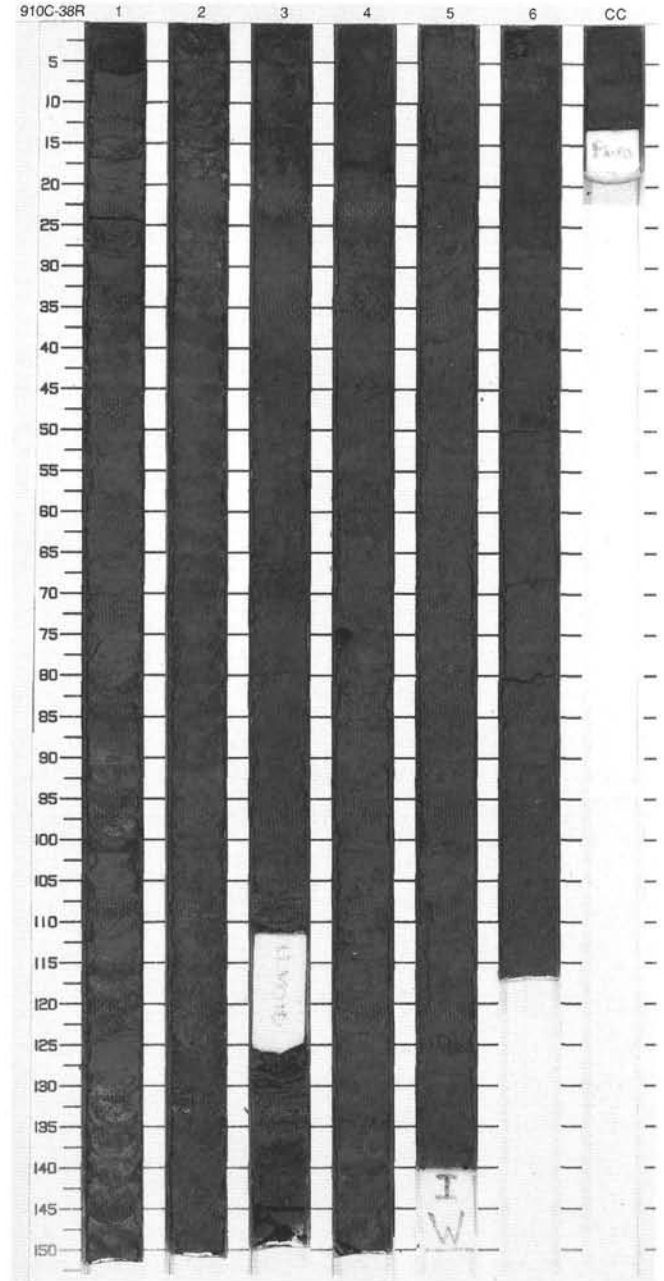
SITE 910 HOLE C CORE 37R CORED 343.8 - 353.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pliocene			S P; P; S P; P; S P; P; S M P	5Y 4/1; 10YR 4/2	SILTY CLAY and CLAYEY MUD Major Lithologies: Dark gray (5Y 4/1), homogeneous and firm SILTY CLAY, showing artificial layering (<2 mm thick; every 2–3 cm) caused by drilling shear in Sections 1–5. Drilling biscuits occur in Section 6. CLAYEY MUD, dark grayish brown (10YR 4/2), is dominant in Sections 6 to CC. General Description: Pyritized wood fragment in Section 1, 23–24 cm, Ø 1.5 cm. Rounded pyrite concretions, <0.5 cm, in Section 1, 120 cm; Section 4, 40 cm, Section 5, 13 cm. Voids: Section 6, 134–136 cm; Section 7, 61–64 cm.



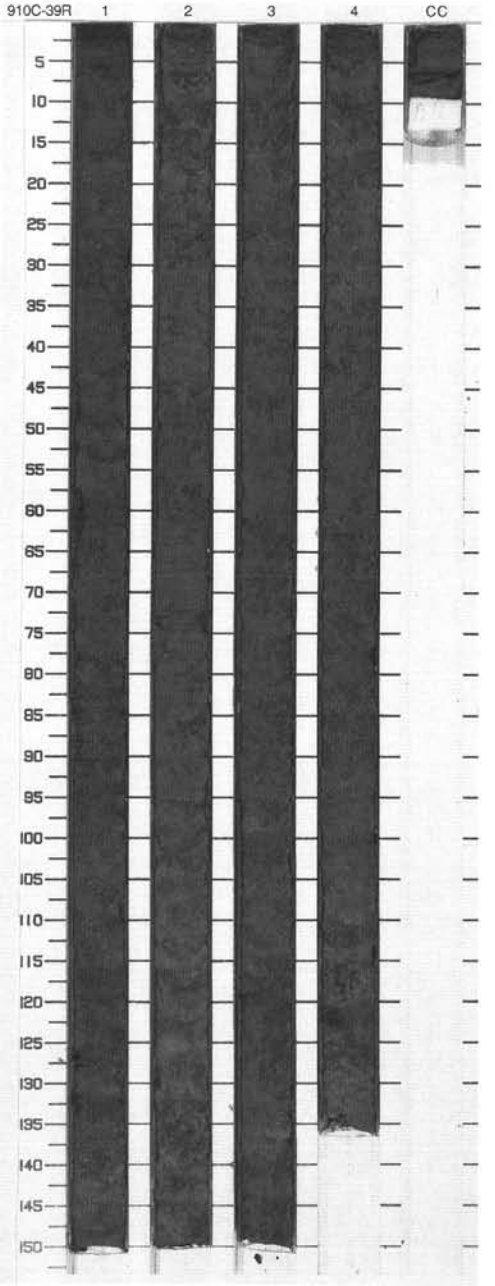
SITE 910 HOLE C CORE 38R CORED 353.4 - 362.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8	Void	1–6, CC	Pliocene			P, S P, S P, P, P, I, P, S M	5Y 3/1	SILTY CLAY AND CLAYEY SILT and CLAYEY MUD Major Lithologies: SILTY CLAY, CLAYEY SILT and CLAYEY MUD, very dark gray (5Y 3/1). There are many grain-size variations in this core, which in part can be correlated with softness. Section 1, 0 cm to Section 2, 110 cm, are very firm SILTY CLAY. There may be thinner interbeds of coarser material, but these are difficult to detect. Most size changes are gradual and in Section 6, the sharpest contact is bioturbated. Bioturbation is moderate to abundant in the slightly coarser layers where burrows concentrate sand. With the exception of the more complete shell fragments in Sections 1, 104 cm and Section 5, 78 cm, all of the shell fragments are adjacent to or part of burrows. Both horizontal and vertical burrows are present. The longest vertical burrow is >7 cm long. Both burrow types are >1 cm in diameter. Minor Lithology: SILTY MUD is present in Section 3, 40–100 cm. General Description: A single dropstone is present in Section 4, 74 cm, Ø 2.6 cm, black mudstone.



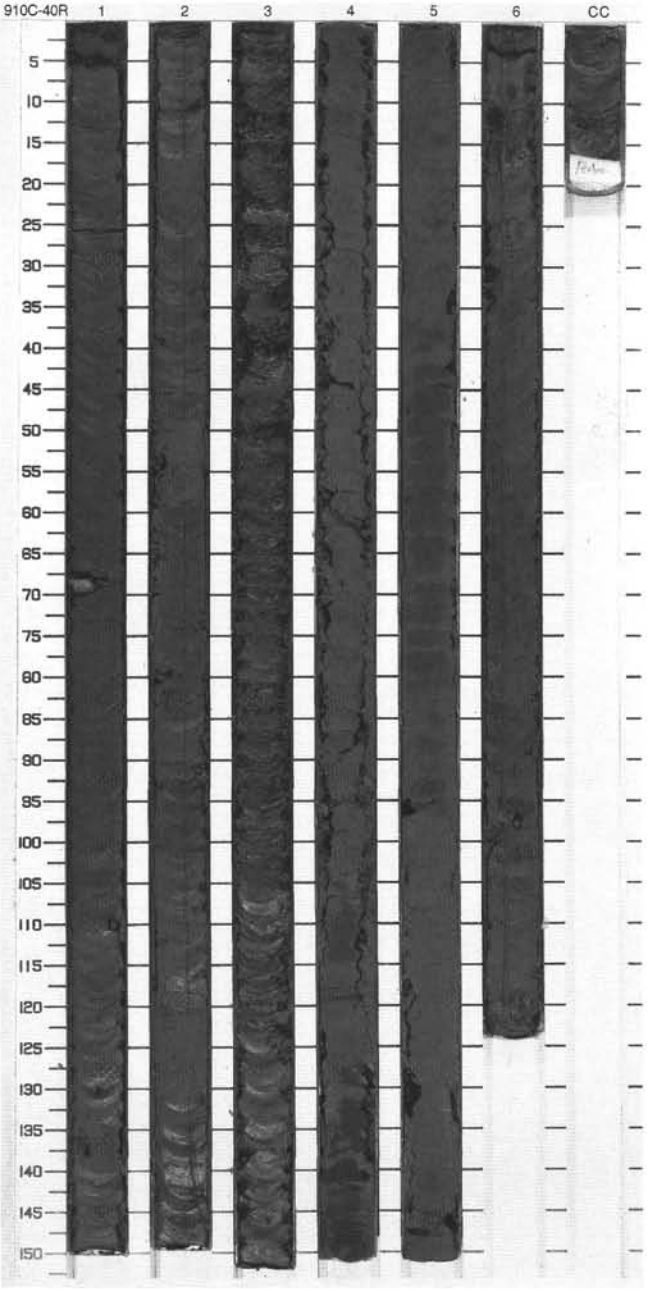
SITE 910 HOLE C CORE 39R CORED 362.9 - 372.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1, 2, 3, 4, CC	Pliocene			S, P, P, S, P, P, M	5Y 3/1	SILTY MUD Major Lithology: SILTY MUD, homogeneous, very dark gray (5Y 3/1), contains several slightly coarser layers (1.0 cm thick) with gradational contacts. General Description: A pyrite concretion occurs in Section 4, 42 cm. Dropstones: Section 4, 120 cm, Ø 1.5 cm, siltstone; 134 cm, Ø 2.5 cm, igneous?.



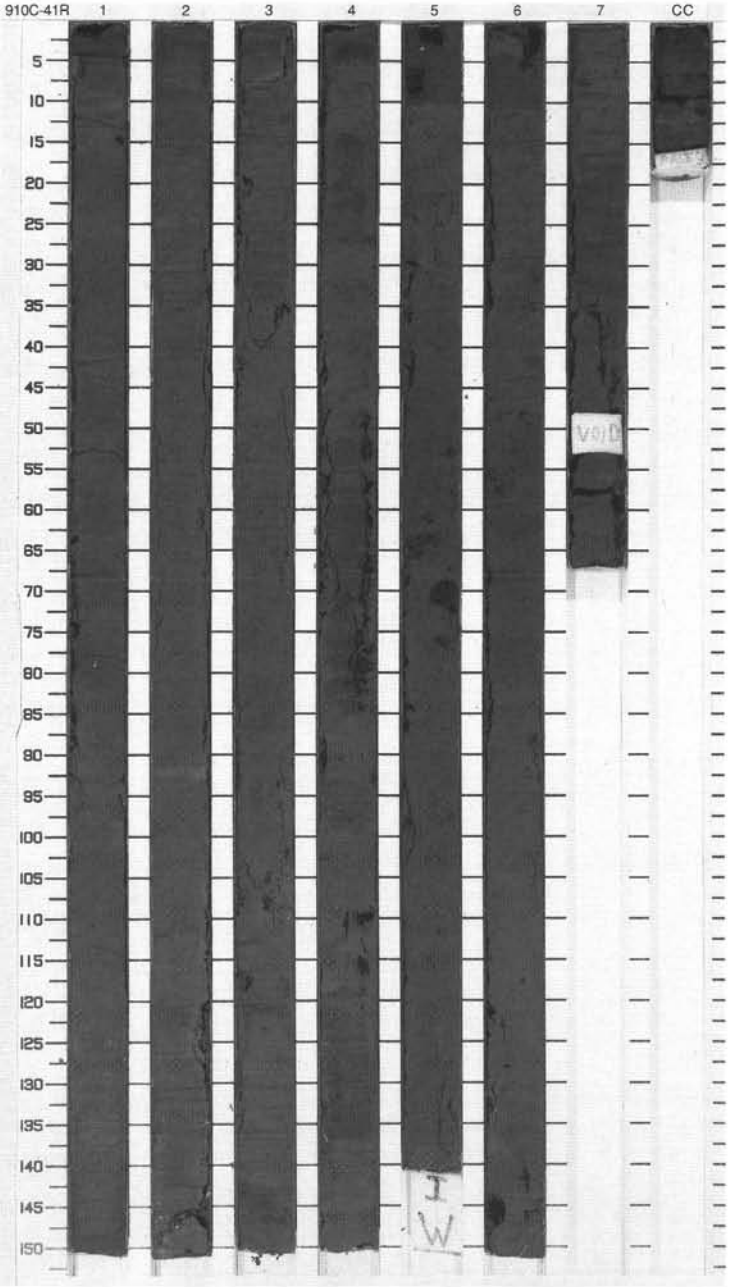
SITE 910 HOLE C CORE 40R CORED 372.4 - 381.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pliocene	◇ ◇		P	5Y 3/1	CLAY and SILTY CLAY Major Lithologies: CLAY and SILTY CLAY, very dark gray (5Y 3/1), throughout. Bioturbation is present in many areas and may be more prevalent than indicated. The cores have to be fairly intensely scraped to see the mottling, as drilling and cutting disturbance makes it difficult to see features in core. General Description: Dropstones: Sections 1, 69 cm, Ø 3.0 cm, gray siltstone; 110 cm, Ø 1.0 cm, angular black siltstone, Section 6, 97 cm, Ø 1.0 cm pyrite clast.
2		2				S		
3		3				P		
4						P		
5		4						
6						S P		
7		5				P		
8		6		◇		P		
		CC				M		



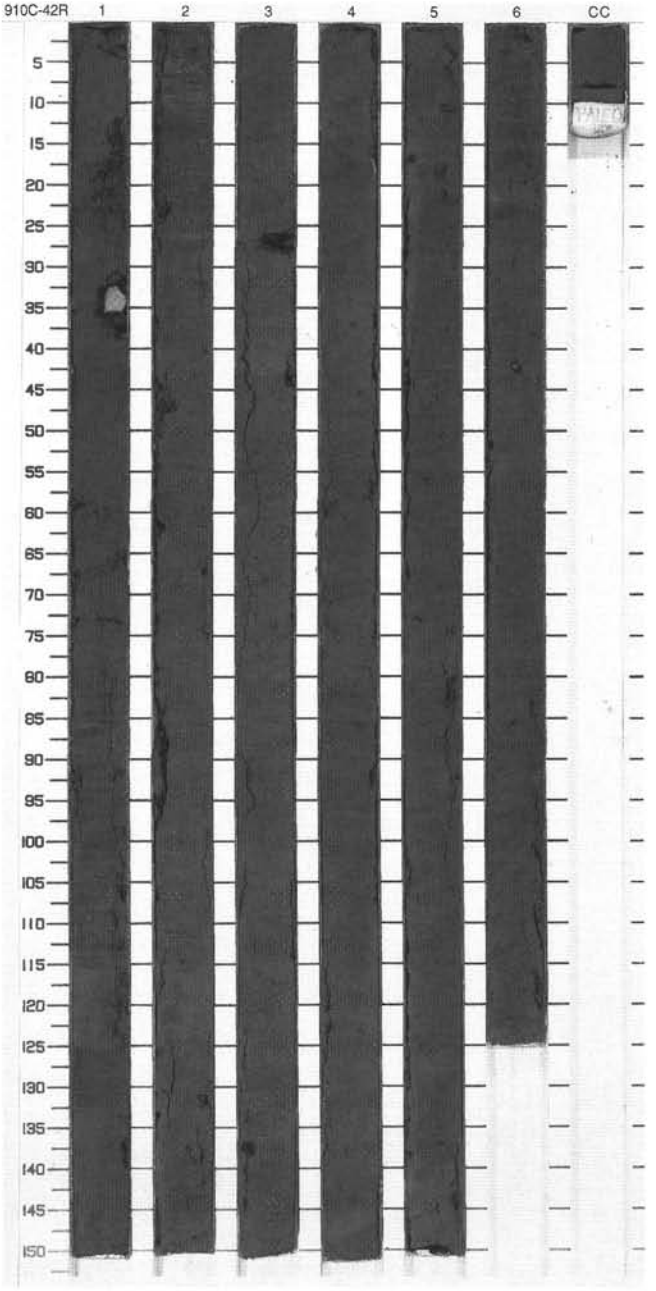
SITE 910 HOLE C CORE 41R CORED 381.9 - 391.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pliocene			S, P, S, P, P, S, P, S, I, S, P, M	5Y 3/1	SILTY CLAY Major Lithology: SILTY CLAY, homogeneous, very dark gray (5y 3/1), is moderately to heavily bioturbated; burrows are present throughout the core. Slightly coarser layers (1.0 cm thick) occur in Sections 2, 3, and 5 and typically have gradational contacts. Minor Lithologies: CLAY, very dark gray (5Y 3/1), in Section 1, 0–30 cm. DETRITAL CARBONATE-BEARING SILTY CLAY, homogeneous, dark gray (5Y 4/1), is present in Section 2, 90–92 cm. General Description: Pyrite concretions occur in Section 1, 15 cm; Section 2, 99 cm. Shell fragments are present in Sections 6 and CC.



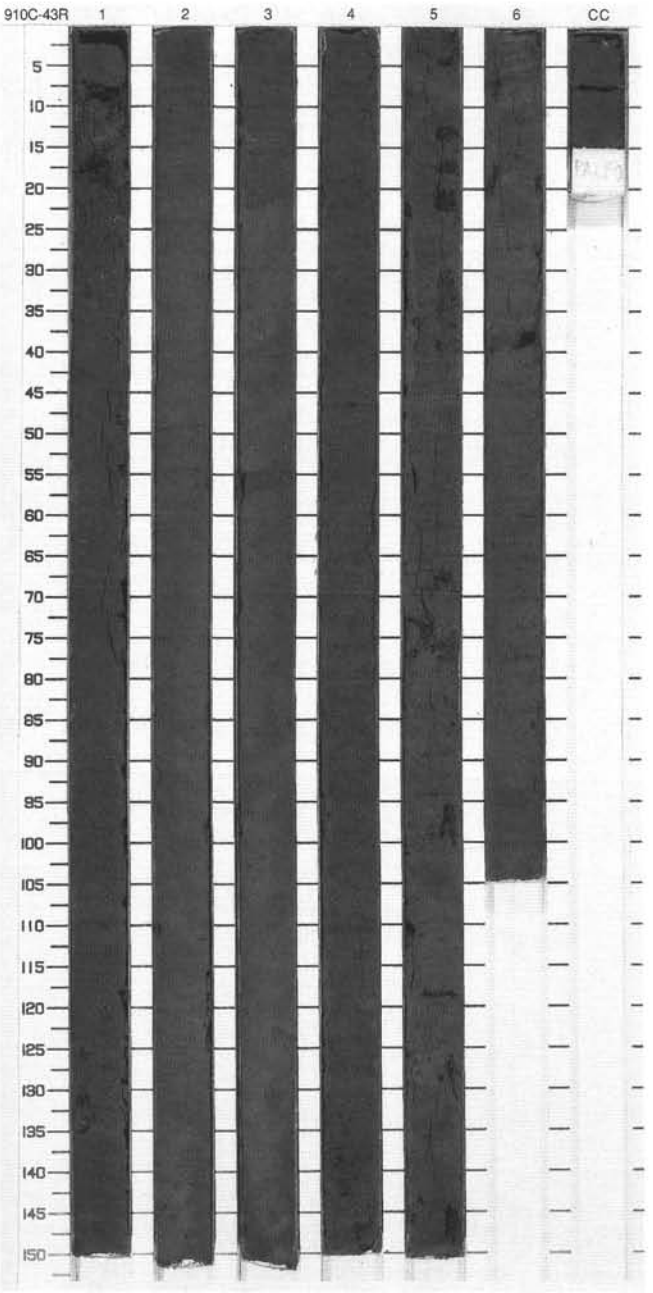
SITE 910 HOLE C CORE 42R CORED 391.5 - 401.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	Pliocene	◇ ◇ ◇ ◇ Ca ⊙ ◇ ◇ ⊙ ◇ ⊙	W	P S P P S P P S P M	5Y 3/1	SILTY MUD and CLAYEY SILT Major Lithologies: SILTY MUD and CLAYEY SILT, very dark gray (5Y 3/1), is homogeneous, except for very rare pockets of gray (5Y 5/1) and dark olive gray (5Y 3/2) sandy sediment (burrows?) scattered through the core. Quartz (35%–40%) and feldspar (15%–30%) are the main silt- and sand-sized constituents. A carbonate nodule in Section 3, 25–28 cm is composed of coarse to very fine crystals of brownish calcite; it has been largely removed by dissolution, leaving a void. Black concretions, pyritic and less than 0.5 cm in size), occur in Section 3, 137 cm; Section 5, 137 cm; Section 6, 85 cm, 113 cm. Mm-sized mollusk fragments occur locally in Section 1. General Description: Dropstones: Section 1, 32 cm, Ø 3.5 cm, sandstone, Section 5, 16 cm, Ø 1.1 cm, shale.



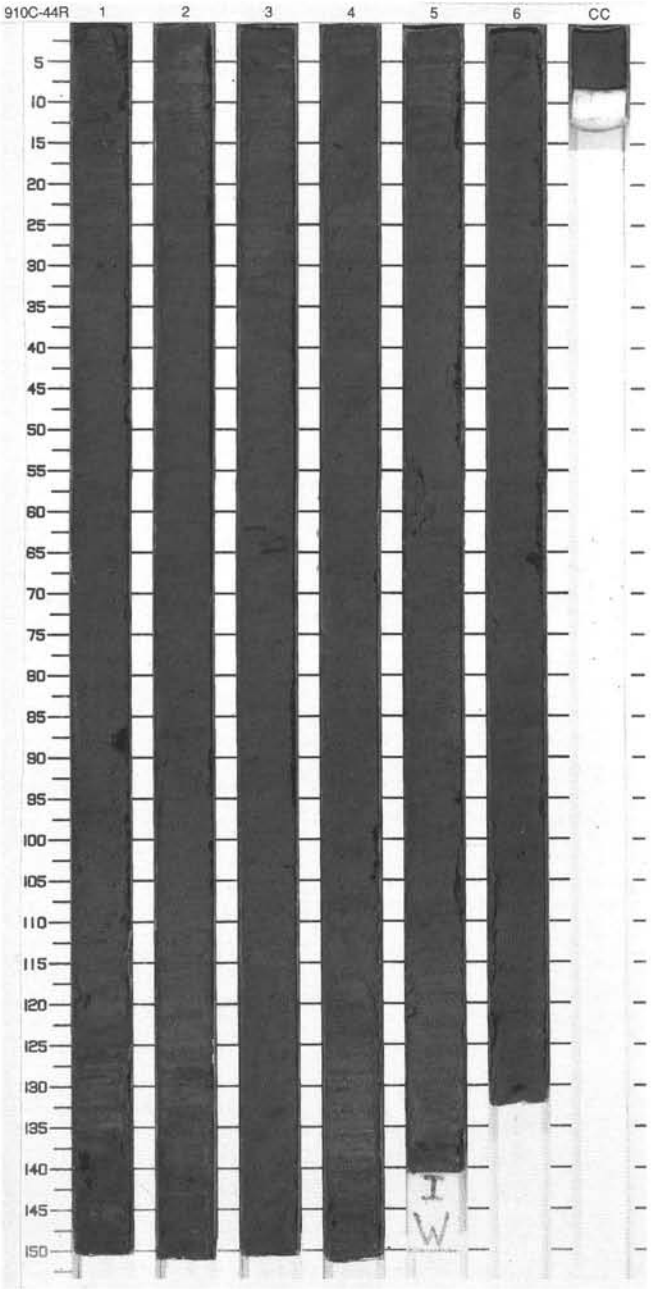
SITE 910 HOLE C CORE 43R CORED 401.2 - 410.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	Pliocene		WWW	P, S, P, S, P, S, P, S, P, M	5Y 3/1	CLAYEY SILT, SILTY CLAY, and SILTY MUD Major Lithologies: CLAYEY SILT, SILTY CLAY, and SILTY MUD, very dark gray (5Y 3/1), stiff and slightly bioturbated throughout the core. Contacts between lithologies are gradational. Sand-filled burrows are scarce. Sand- and silt-sized grains include quartz, inorganic calcite, feldspar, and opaques. The inorganic calcite content exceeds 10% in smear slides from Sections 2 and 6. Nannofossils (up to 3%) are present throughout the core. General Description: Incipient drilling biscuits throughout the core. Section 1, 0–80 cm is very disturbed.



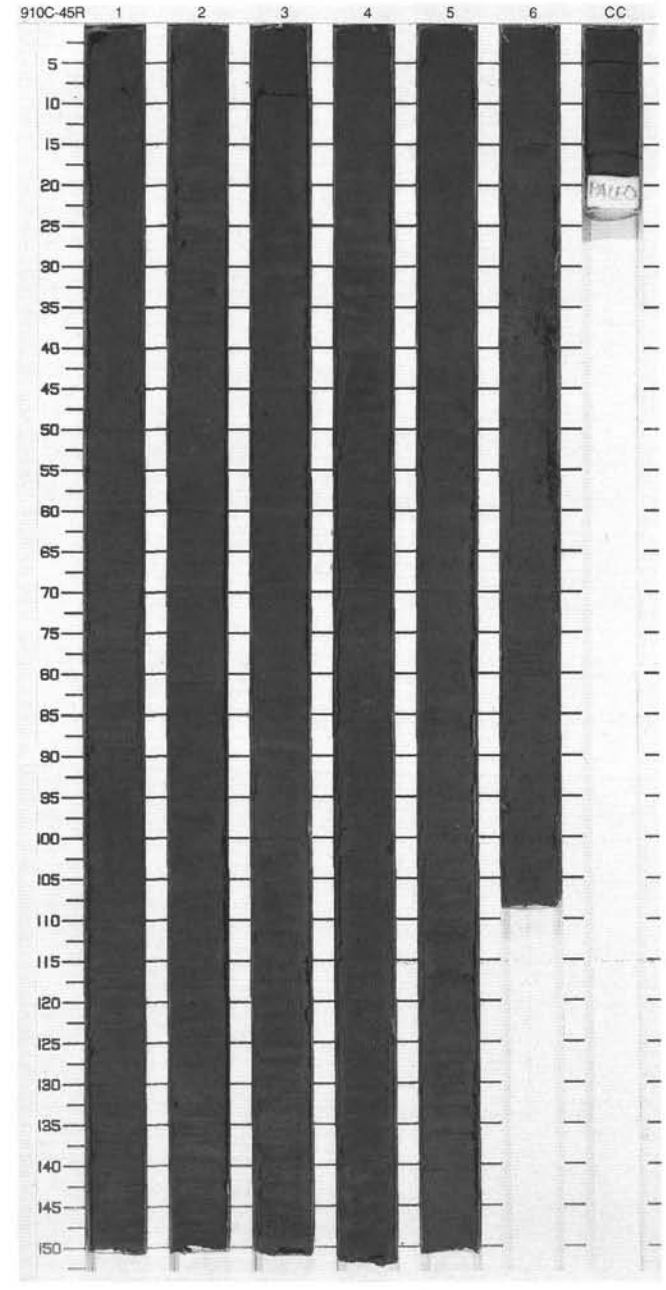
SITE 910 HOLE C CORE 44R CORED 410.8 - 420.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pliocene		W	S	5Y 3/1	CLAYEY SILT and SILTY CLAY Major Lithologies: Homogeneous, very dark gray (5Y 3/1), CLAYEY SILT to SILTY CLAY is slightly to moderately bioturbated as shown by: mm-size discontinuous patches of siltier sediment throughout; burrows surrounded by clean (white) quartz which are more numerous in Section 3; and a few larger pyrite-cemented burrows. The sediment is slightly more clayey in Sections 5 and 6. Correspondingly, the amount of fine inorganic calcite grains decreases from 20% to 10%. Nannofossils occur in trace amounts.
						P		
2		2				P		
3		3				P		
4						P		
5		4				S		
						P		
6		5				P		
7						I		
8		6				S		
		CC				P M		



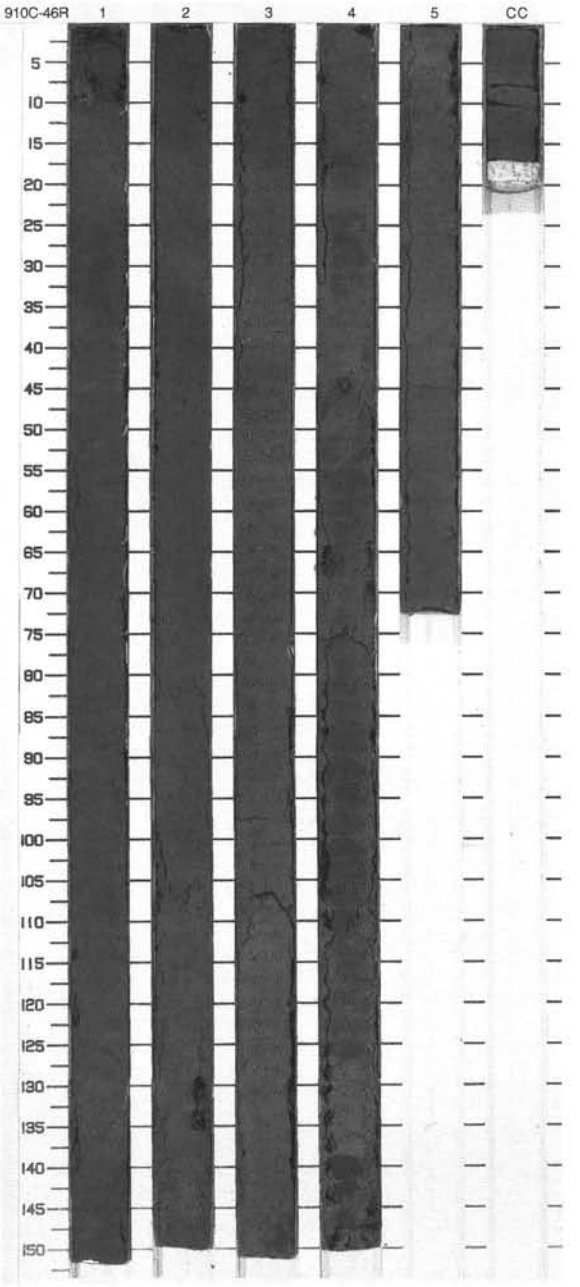
SITE 910 HOLE C CORE 45R CORED 420.5 - 430.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1	Pliocene	⊙		S	5Y 3/1	SILTY CLAY and CLAYEY SILT Major Lithologies: SILTY CLAY and CLAYEY SILT, very dark gray (5Y 3/1), is relatively homogeneous. Burrow structures are commonly recognized as slightly lighter colored areas and may contain silt- and clay-sized grains of inorganic calcite (Section 5, 49–51 cm). Gray sandy pockets are sparsely scattered throughout the core. Black concretions(?) are pyritic and typically 1–3 mm in size; larger concretions (1 cm) occur in Section 1, 8 cm; Section 5, 37 cm. Silt- and sand-sized grains in SILTY CLAY and CLAYEY SILT are quartz, feldspar, inorganic calcite, opaques, and accessory minerals. Trace nannofossils are recognized in Section 4, 75 cm. General Description: Entire core is disrupted into drill biscuits.
						P		
		2				S		
						P		
		3				P		
		4				S		
						P		
		5		⊙		S		
						P		
		6				P		
		CC				M		



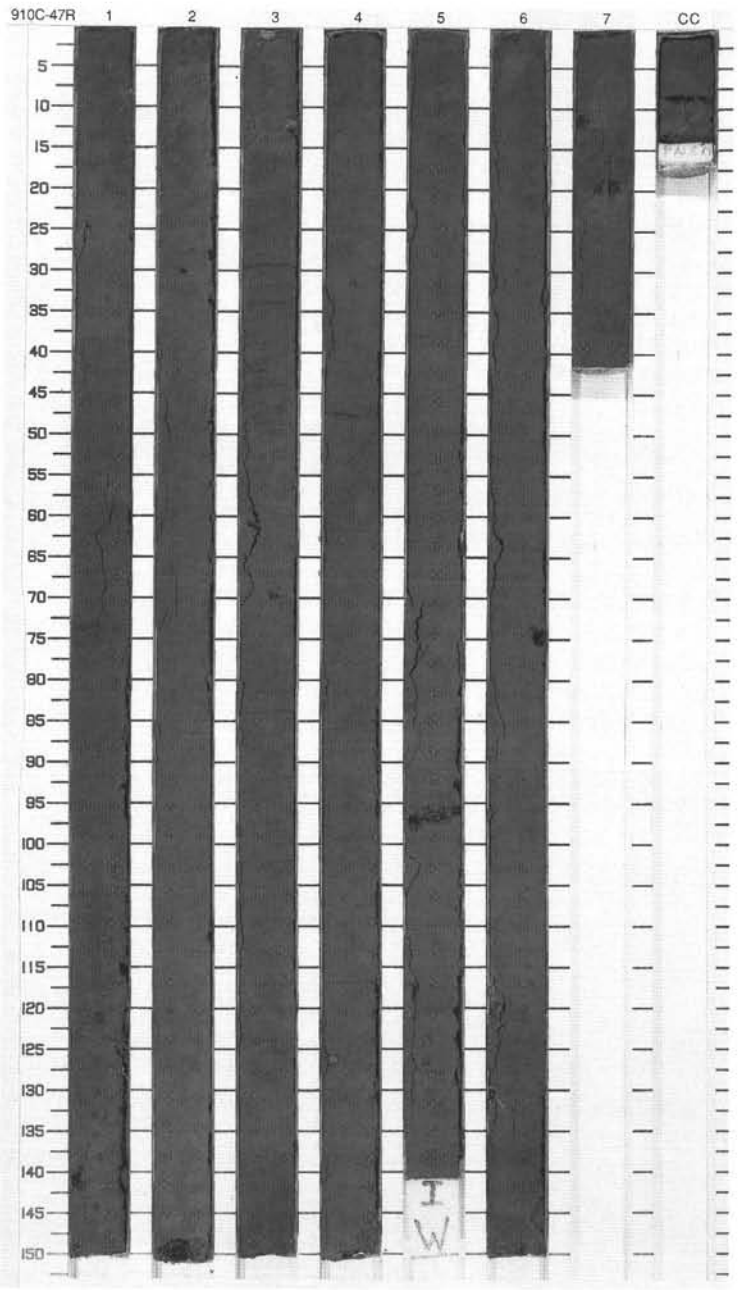
SITE 910 HOLE C CORE 46R CORED 430.1 - 439.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1–5, CC	Pliocene			S, P, M	5Y 3/1	SILTY CLAY and CLAYEY SILT Major Lithologies: Very homogeneous, very dark gray (5Y 3/1) SILTY CLAY or CLAYEY SILT, with similar clay and silt content (40%–55%) and less than 5% sand; inorganic calcite comprises 1%–3%. Small darker specks and small depressions on washed split surface indicate pervasive bioturbation. A few larger (Ø 0.5-mm) burrows are pyrite cemented.



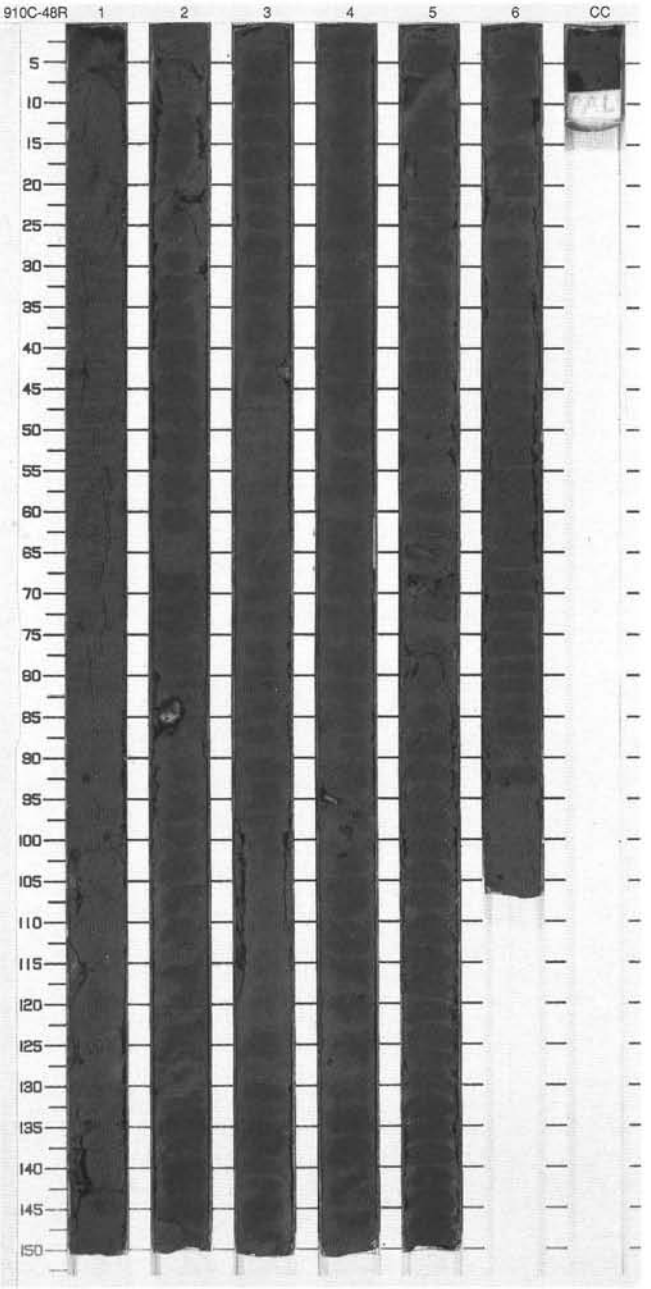
SITE 910 HOLE C CORE 47R CORED 439.7 - 449.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pliocene			P, S, P, P, S, P, P, I, S, P, P, M	5Y 3/1	SILTY CLAY, CLAYEY SILT, and SILTY MUD Major Lithologies: SILTY CLAY, CLAYEY SILT, and SILTY MUD, very dark gray (5Y 3/1), slightly bioturbated throughout the core. A few larger burrows (up to 4 cm) filled with darker sediment occur. SILTY CLAY is predominant in the upper part of the core and CLAYEY SILT in the lower part. SILTY MUD is present in Section 4. Contacts between lithologies are gradational. *Coarse fraction includes quartz*, feldspar, accessory minerals, opaques, volcanic glass, and inorganic calcite. General Description: Incipient drilling biscuits throughout the core. Calcite concretions (pockets of sand-sized calcite grains), up to 5 cm Ø, occur from Section 2, 147 cm to Section 3, 15 cm and in Section 4, 125–127 cm. Dropstones: Section 3, 52 cm, Ø 3.5 cm, siltstone, Section 6, 74 cm, Ø 1.8 cm, claystone.

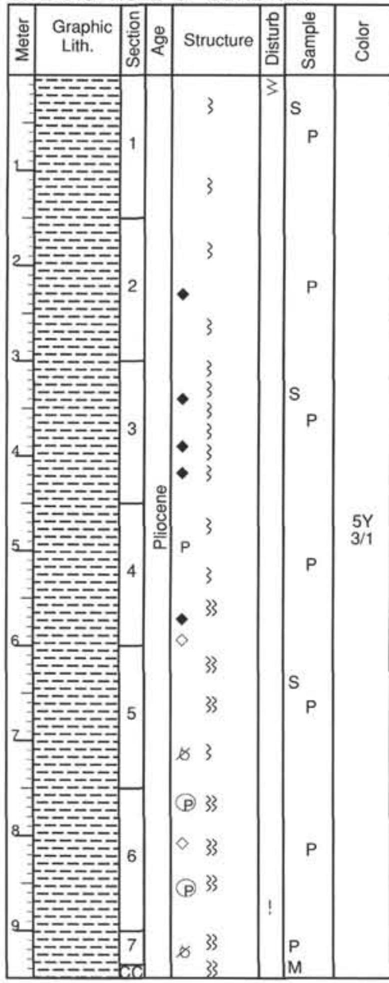


SITE 910 HOLE C CORE 48R CORED 449.4 - 459.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3 4 5 6 7 8		1 2 3 4 5 6 CC	Pliocene			S P P P S P P P P M	5Y 3/1	SILTY CLAY and CLAYEY MUD Major Lithologies: CLAYEY MUD, homogeneous, very dark gray (5Y 3/1), moderately bioturbated with pyritized burrows. Slightly coarser layers (1.0 cm thick) occur in Sections 1 through 3. SILTY CLAY, homogeneous, very dark gray (5Y 3/1), in Sections 4 through CC. Moderately bioturbated with pyritized burrows. Shell fragments are common in both lithologies as indicated by the structure column. General Description: Dropstones (1.0 cm): Section 1, 143 cm, Ø 1.5 cm, siltstone, Section 2, 86 cm, Ø 3.0 cm, siltstone, Section 3, 42 cm, Ø 2.0 cm, metamorphic?.



SITE 910 HOLE C CORE 49R CORED 459.0 - 468.7 mbsf

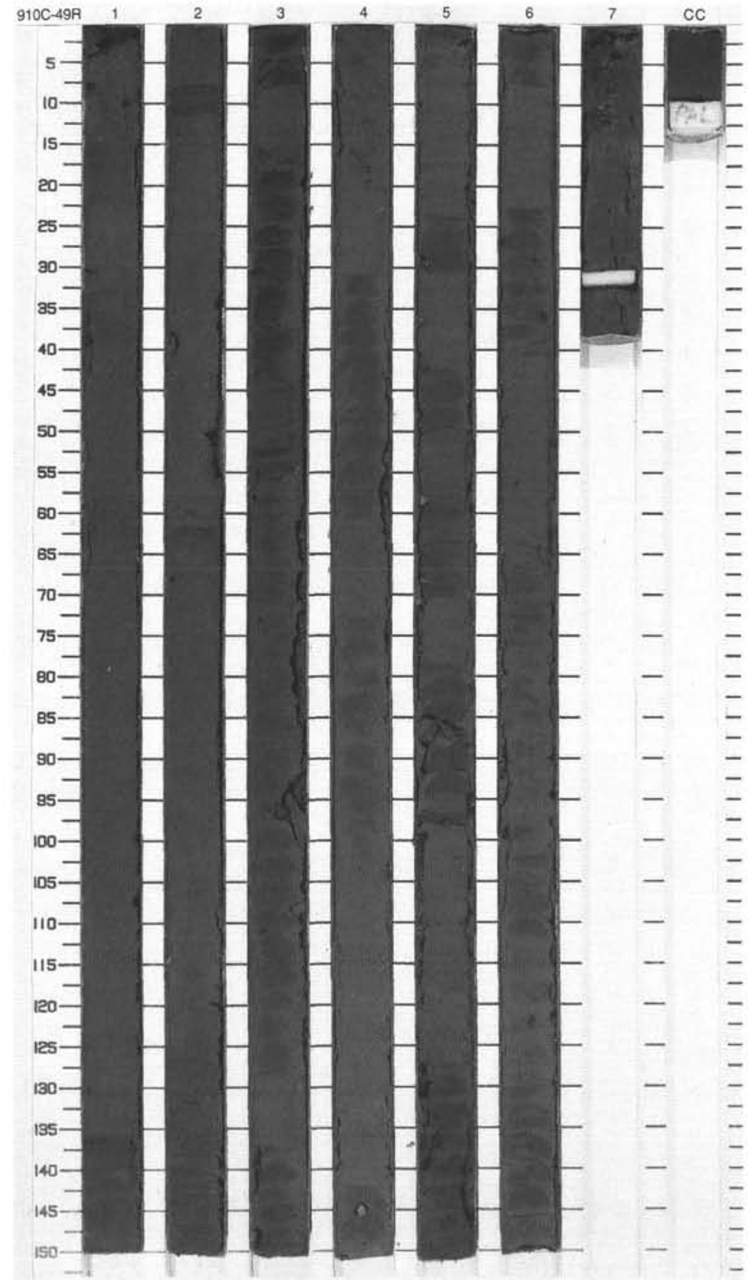


Description

SILTY CLAY

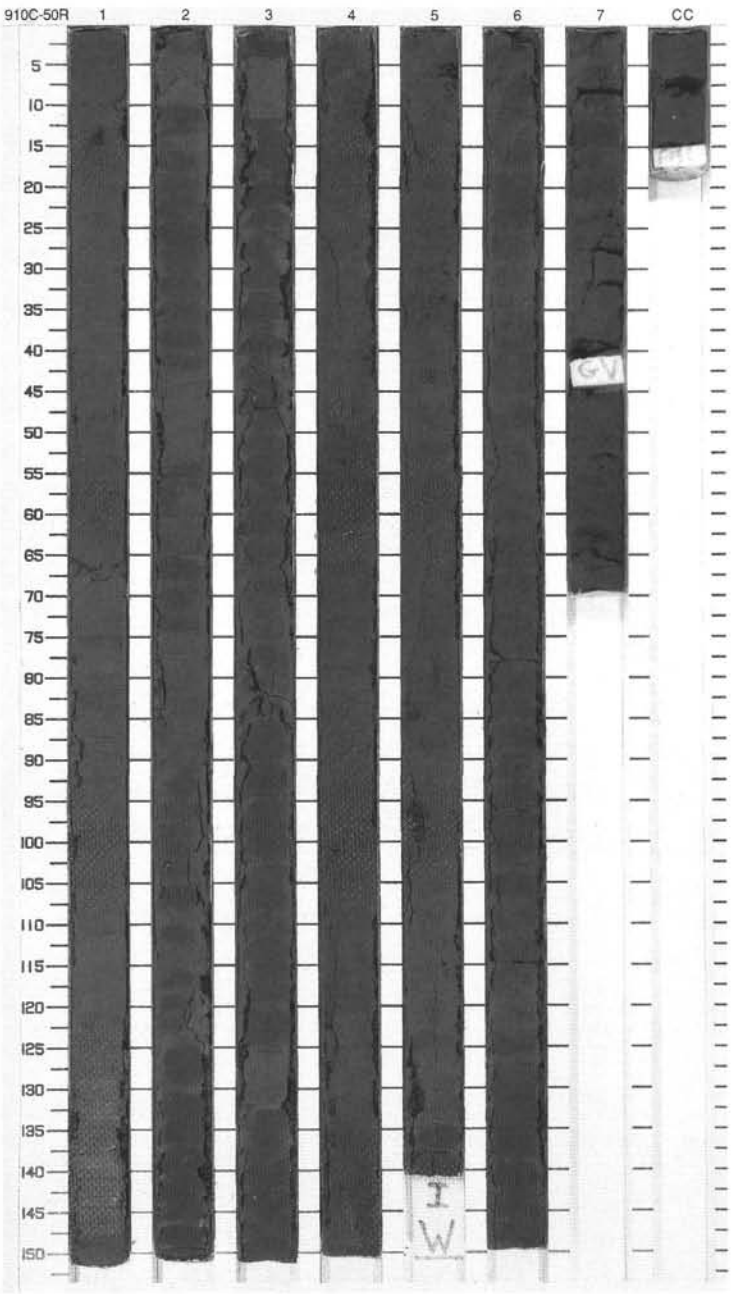
Major Lithology:
Firm, very dark gray (5Y 3/1) SILTY CLAY. The sediment is nearly homogeneous and massive throughout the core. Bioturbation is evident as distinct burrow structures and a faintly mottled surface. The burrows are filled with coarse grains, pyrite, and shell fragments. Bioturbation generally increases with depth in the core. Small mud clasts and dropstones occur in all sections.

General Description:
A large dropstone occurs in Section 4, 145 cm, Ø 1.5 cm, metasediment.



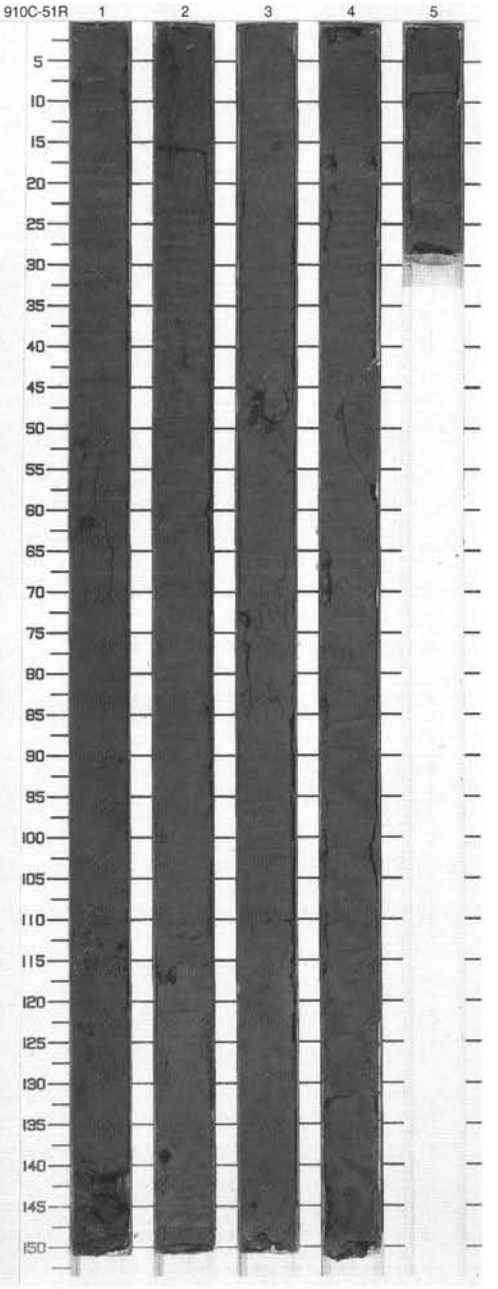
SITE 910 HOLE C CORE 50R CORED 468.7 - 478.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pliocene			S P	5Y 3/1	SILTY CLAY and CLAYEY MUD Major Lithologies: SILTY CLAY and CLAYEY MUD, very dark gray (5Y 3/1). The CLAYEY MUD layers are more disturbed, as if they have been reconstituted. The SILTY CLAY layers are heavily biscuited. Small shell fragments are common and the larger shell concentrations are highly fragmented. Bioturbation is common, but difficult to detect. Washed-out burrows are observed on the surface and small concentrations of white sand, interpreted to be burrow fills are observed within the core.
2		2				P		
3		3				S P		
4		4			W	P		
5		5				S P		
6		6				I P		
7		7			W	S P		
		CC				M		



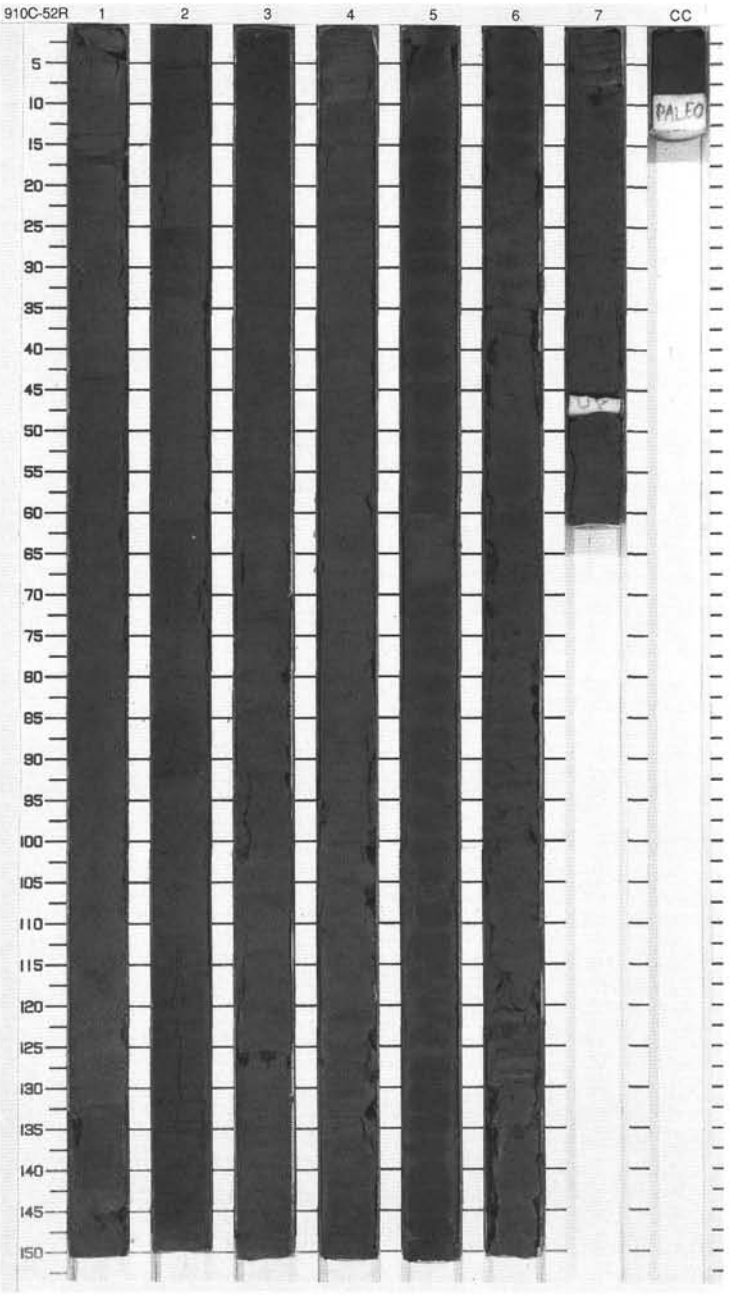
SITE 910 HOLE C CORE 51R CORED 478.4 - 488.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1–5	Pliocene			P, S, P, P, S, P, M P	5Y 3/1	SILTY MUD Major Lithology: SILTY MUD, homogeneous, very dark gray (5Y 3/1), is moderately bioturbated; burrows are present throughout the core. The occurrences of shell fragments are as indicated in the structure column.



SITE 910 HOLE C CORE 52R CORED 488.0 - 497.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pliocene		W	P, S, M	5Y 3/1	CLAYEY SILT *Major Lithology:* CLAYEY SILT, homogeneous, very dark gray (5Y 3/1). Sections 1 and 2 are slightly bioturbated; Section 3 to CC are moderately bioturbated. Shell fragments and layers of shell fragments are present as indicated by the structure column. General Description: Mud clasts are present in Section 1, 77 and 89 cm; Section 4, 82 cm. Disseminated pyrite occurs in Section 2, 135 cm; Section 4, 46 cm; Section 6, 75 cm; and Section 7, 9 cm. Dropstones: Section 1, 144 cm, Ø 1.0 cm, siltstone.



SITE 910 HOLE C CORE 53R CORED 497.7 - 507.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1–5, CC	Pliocene			S P; P; P; S P; I; S P; M	5Y 3/1	SILTY CLAY and CLAYEY SILT Major Lithologies: SILTY CLAY to CLAYEY SILT, homogeneous, very dark gray (5Y 3/1), with moderate bioturbation. Burrows are commonly filled by micropyrite nodules (Ø <1 mm). Small shell fragments, including tube-shape mollusks, are also scattered through sections. Minor Lithology: CARBONATE SANDY SILT occurs in pockets in Section 3, 42.5–43.5 cm, Ø 1 cm; Section 4, 56–57 cm, Ø 2.5 cm. Grains are predominantly inorganic calcite, yellowish brown to light yellowish brown (10YR 5/4~6/4). General Description: Dropstones: Section 5, 105 cm, Ø 1 cm and 2.5 cm, siltstone.