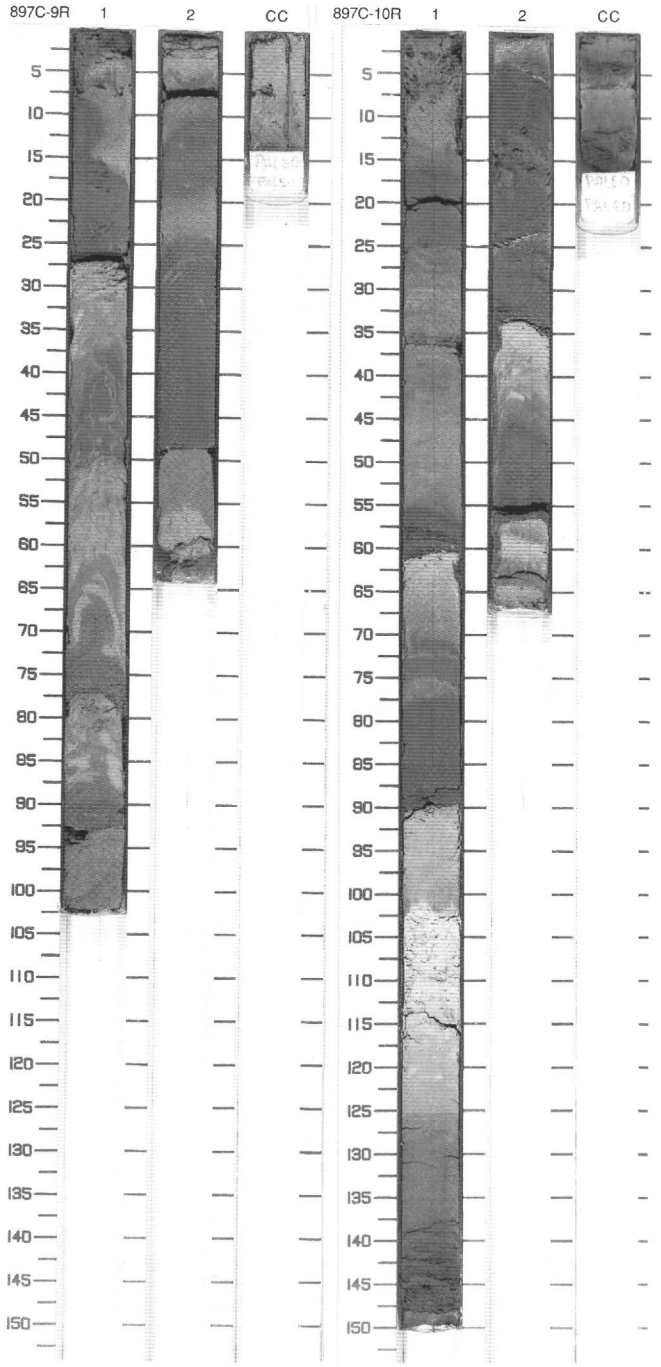
SITE 897 HOLE C CORE 9R CORED 127.5 - 137.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1 2 CC	Pleistocene			S P P S M	5GY 6/1 To 5GY 4/1 5GY 4/1	NANNOFOSSIL CLAY Major Lithology: The NANNOFOSSIL CLAY ranges in color from dark greenish gray (5GY 4/1) to greenish gray (5GY6/1); the lighter clays occur at the tops of normally graded sequences and show signs of bioturbation. Minor Lithologies: SILTY FINE SAND and SILTY CLAY occur at the bases of normally graded sequences; the silty fine sands are up to 5 mm thick. General Description: Five normally graded sequences with SILTY FINE SAND bases are present, ranging in thickness between 12 and 60 cm.

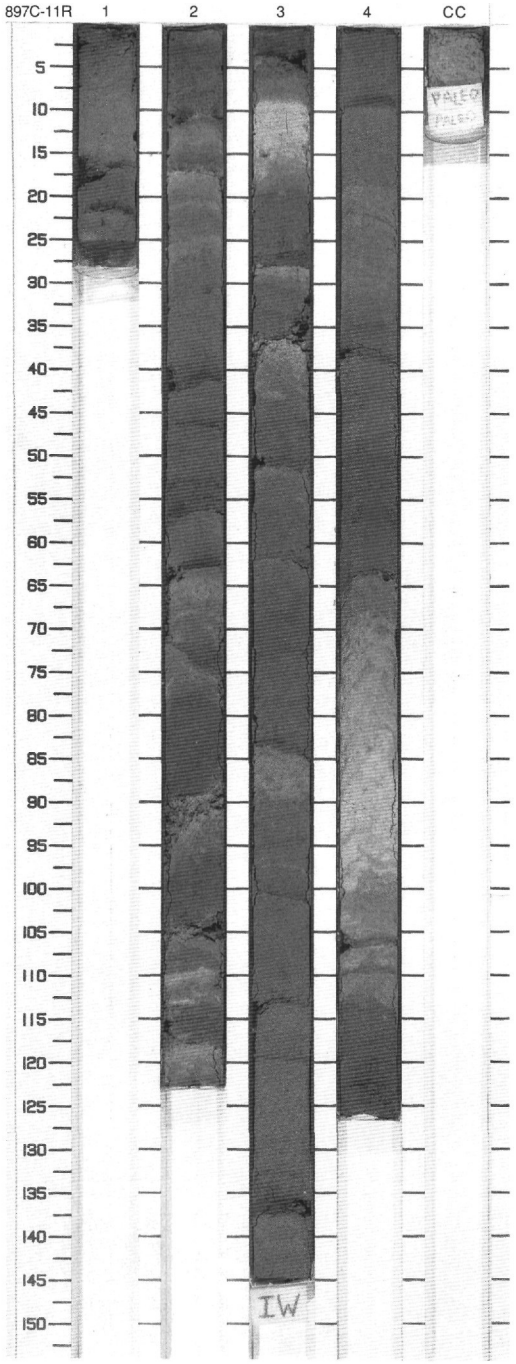
SITE 897 HOLE C CORE 10R CORED 137.2 - 146.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2		1 2 CC	Pleistocene			S P S S P M	5G 4/1 To 5G 5/1	NANNOFOSSIL CLAY and SILTY CLAY Major Lithologies: The NANNOFOSSIL CLAY is light olive gray (5GY 5/1); the SILTY CLAY is olive gray (5GY 4/1). These two lithologies are often mottled and mixed together by bioturbation. Minor Lithologies: SILTY FINE SAND occurs at the bases of the normally graded units, and forms less than 5% of the recovered sequence. General Description: 10 normally graded sequences occur in this core. They are dominated by NANNOFOSSIL CLAYS and SILTY CLAYS, with thin (2–10 cm) basal SILTY SANDS. The sequences range in thickness between 8 and 60 cm.



SITE 897 HOLE C CORE 11R CORED 146.8 - 156.6 mbsf

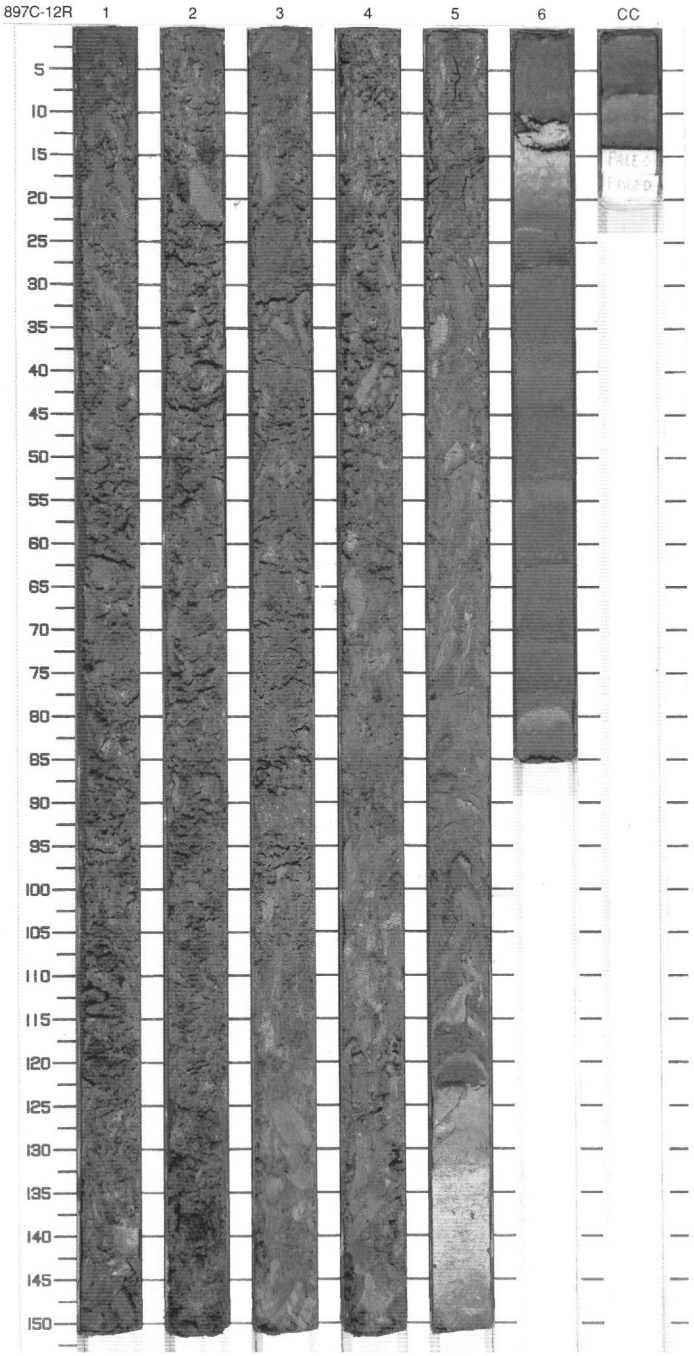
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–4		1, 2, 3, 4, CC	Pleistocene			S S S P P I P S M	5Y 2/1 To 5Y 4/1; 5Y 4/1 To 5Y 6/1; 5Y 4/1	CALCAREOUS SILTY CLAY Major Lithology: Olive black (5Y 2/1) to olive gray (5Y 4/1) CALCAREOUS SILTY CLAY. Minor Lithologies: Minor lithologies include: olive gray (5Y 4/1) to light olive gray (5Y 6/1) NANNOFOSSIL SILTY CLAY; olive black (5Y 2/1) to olive gray (5Y 4/1) CALCAREOUS CLAYEY SILT and CALCAREOUS SANDY SILT; and light gray (N7) NANNOFOSSIL CLAY. General Description: The dominant and minor lithologies are organized into approximately 25 normally graded sequences which begin at an abrupt (scoured?) base and grade upward from CALCAREOUS SANDY SILT or CLAYEY SILT (5% of the core) to CALCAREOUS SILTY CLAY (82% of the core) to NANNOFOSSIL SILTY CLAY (10% of the core), and in a few intervals into NANNOFOSSIL CLAY (3% of the core). The upper, nannofossil-rich intervals of each sequence are locally bioturbated. Some thin silty beds have been dispersed by bioturbation.



SITE 897 HOLE C CORE 12R CORED 156.6 - 166.1 mbsf

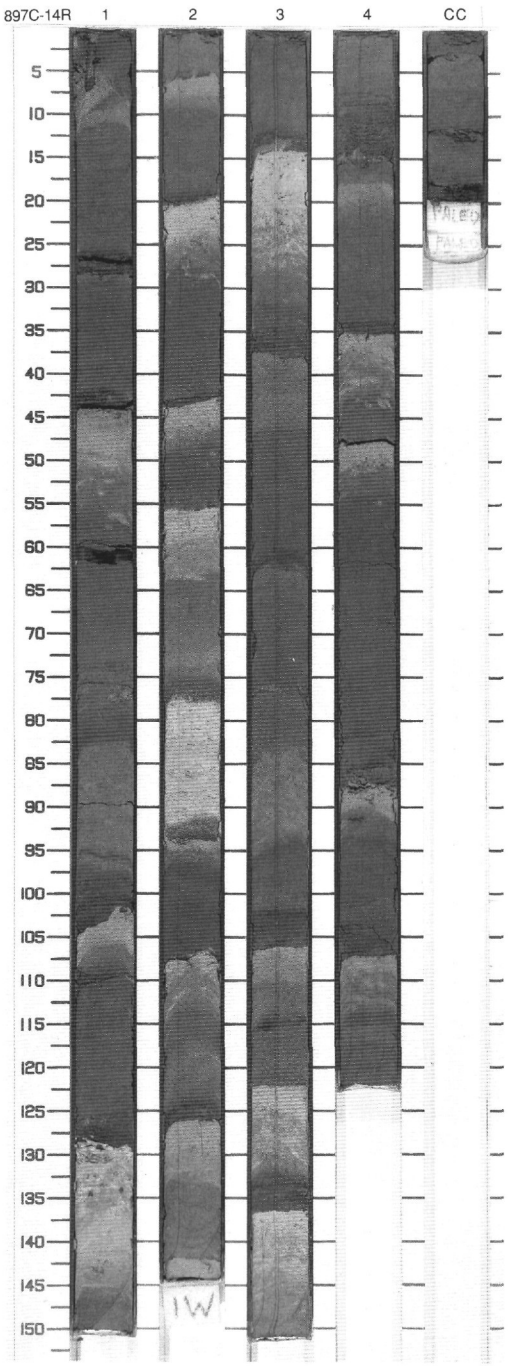
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	Pleistocene; ??; late Pliocene			P; S; S P; M	5GY 4/1 To 5Y 4/1	CALCAREOUS CLAYEY SILT Major Lithology: CALCAROUS CLAYEY SILT is mostly dark greenish gray (5GY 4/1) and highly disturbed. The CALCAREOUS CLAYEY SILT layers have been disrupted and fragments of the silt are intermixed SAND. Undisturbed layers of CALCAREOUS CLAYEY SILT extends from 115 cm, Section 5 through Section 6. Minor Lithologies: Olive gray (5Y 4/1) SAND is present in every section. Light gray (N7) NANNOFOSSIL OOZE layers occur near the base of Section 5 and at the top of Section 6; these range in thickness from 5 to 15 cm. Greenish black (5GY 2/1) SILTY SAND layers range in thickness from less than 1 to about 3 cm. General Description: In Section 6 at least four normally graded sequences are noted. These sequences consist of basal SILTY SAND intervals which are overlain by CALCAREOUS CLAYEY SILT. NANNOFOSSIL OOZE overlies the CALCAREOUS CLAY when present. FORAMINIFERAL SAND forms the bases of some graded sequences. Section 6 consists of 80% CLAYEY SILT, 14% SILTY SAND, and 6% NANNOFOSSIL OOZE.

897C-13R NO RECOVERY



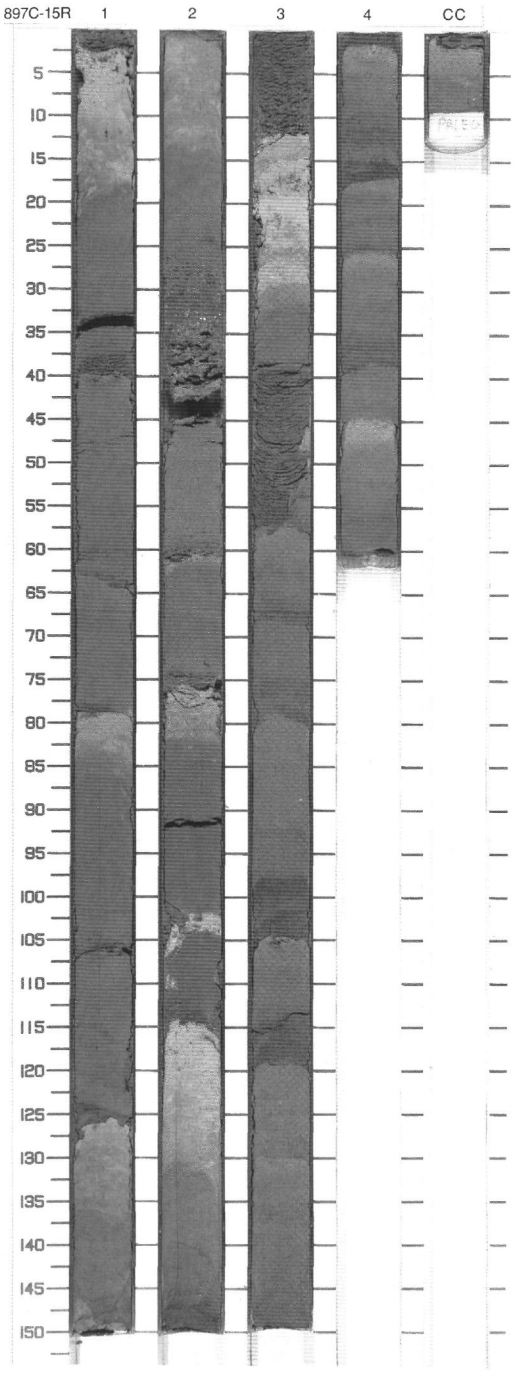
SITE 897 HOLE C CORE 14R CORED 175.8 - 185.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1, 2, 3, 4, CC	late Pliocene (??) early Pliocene			P, I, S, S, S, P, S, M	5GY 4/1 To 5GY 6/1	SILTY CLAY Major Lithology: Dark greenish gray (5GY 4/1) SILTY CLAY is the major component of normally graded sequences that dominate this core. Minor Lithologies: SILTY FINE SAND forms around 1% of the core. NANNOFOSSIL CLAY is transitional in composition between the SILTY CLAY and the NANNOFOSSIL OOZE and is greenish gray (5GY 5/1) in color. NANNOFOSSIL OOZE occurs in the following intervals: Section 2, 80–85 cm and Section 3, 15–20 and 140–145 cm. It is light gray (N7). General Description: The core contains 32 normally graded sequences with SILTY FINE SAND bases that make up around 1% of the core. These sequences vary in total thickness from 5 to 30 cm, are dominated by SILTY CLAY (>80%), and in general become lighter upwards in color as follows: NANNOFOSSIL OOZE (N7) transitional (5Y 6/1) NANNOFOSSIL CLAY (5GY 6/1) transitional (5GY 5/1) SILTY CLAY (5GY 4/1) SILTY FINE SAND (5GY 4/1).



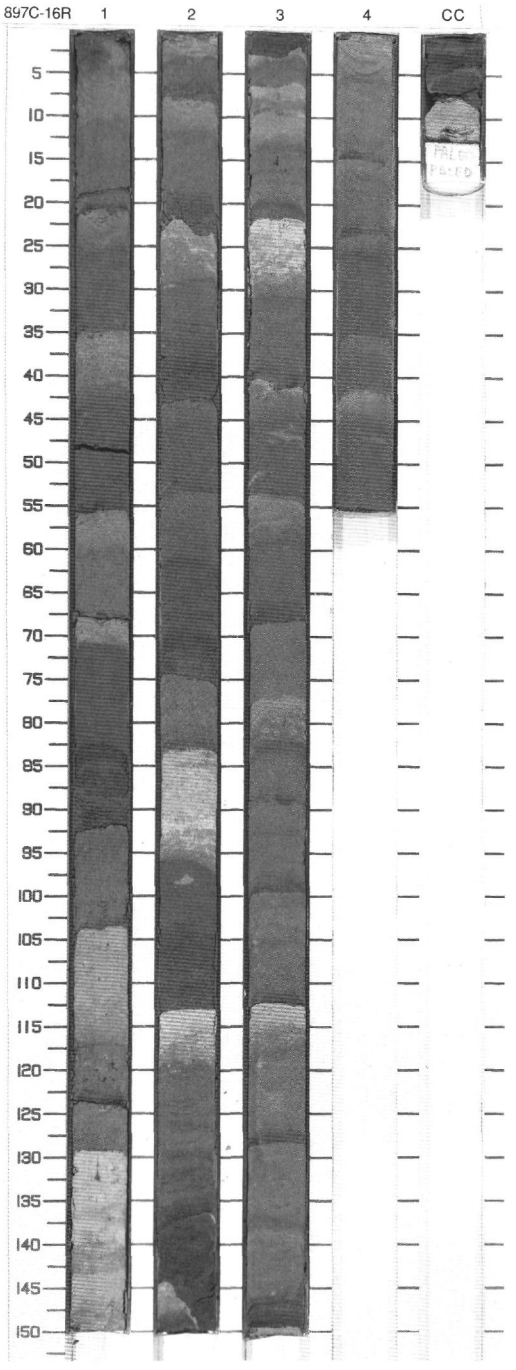
SITE 897 HOLE C CORE 15R CORED 185.4 - 195.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1, 2, 3, 4, CC	early Pliocene			S, S P, S P, P, P, M	5Y 4/1 To N7	SILTY CLAY, CLAY, and FINE SILTY SAND *Major Lithologies:* Olive gray (5Y 4/1) CLAY to SILTY CLAY sediments constitute 70% of the core. A second major lithology is FINE SILTY SAND, which forms about 20% of the core. Minor Lithology: 10% of this core is light gray (N7) NANNOFOSSIL OOZE. General Description: The core consists of 22 olive gray SAND-SILT-CLAY fining upwards sequences, capped in some cases by light gray NANNOFOSSIL OOZE. Graded bedding is pervasive and bioturbation is common in the upper parts of the CLAY and NANNOFOSSIL OOZE.



SITE 897 HOLE C CORE 16R CORED 195.1 - 204.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1, 2, 3, 4, CC	early Pliocene			S, S, S, P, S, P, P, P, M	5Y 4/1 To 5GY 4/1; 5Y 4/1 To N7; 5Y 4/1 To 5Y 5/1	SILTY CLAY Major Lithology: Olive gray (5Y 4/1) SILTY CLAY constitutes 77.5% of the core. Minor Lithologies: 14% of sediments in this core are olive gray (5Y 4/1) FINE SAND. A second minor lithology corresponds to light gray (N7) NANNOFOSSIL OOZE which constitutes about 8.5% of the total sediment in the core. General Description: The core consists of 31 silt-clay fining upwards sequences 10 to 20 cm in thickness. Each sequence consists of a basal, graded, fine sand layer ranging from 20 to 1 cm in thickness and grading upwards to the silty clay and clayey nannofossil ooze intervals. Basal or uppermost intervals are missing in some sequences. In between clayey lithologies, centimeter-thick laminae of a brownish color occur.

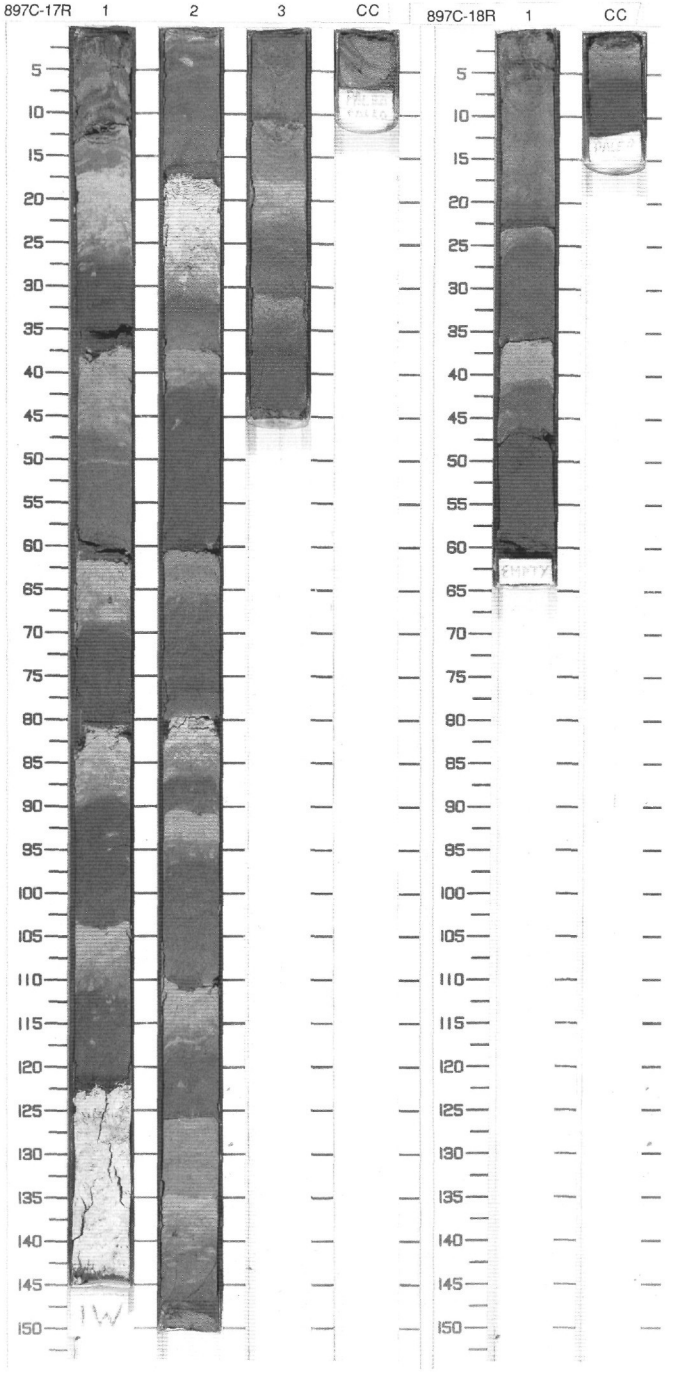


SITE 897 HOLE C CORE 17R CORED 204.7 - 214.4 mbsf

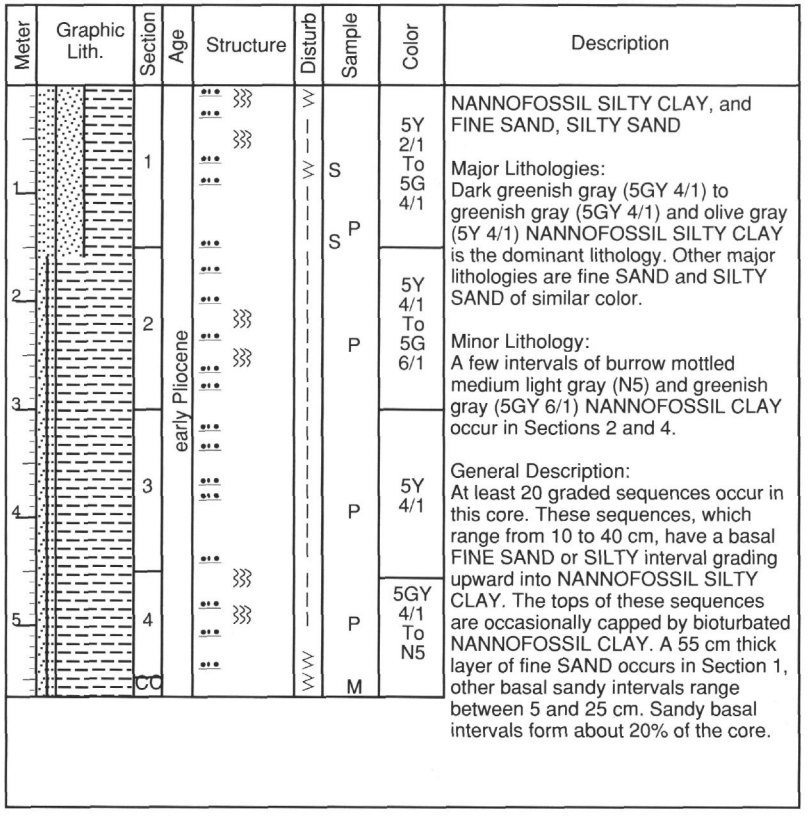
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3		1 2 3 CC	early Pliocene			S P S S S I P P M	5Y 4/1 To 5GY 5/1 5Y 4/1 To N9 5Y 4/1	SILTY CLAY, NANNOFOSSIL CLAY, and CLAYEY NANNOFOSSIL OOZE Major Lithologies: Olive gray (5Y 4/1) to dark greenish gray (5GY 4/1) SILTY CLAY to NANNOFOSSIL CLAY make up more than 70% of total sediments recovered in this core. A second major lithology is greenish gray (5GY 6/1), light gray (N7) to white (N9) CLAYEY NANNOFOSSIL OOZE. Minor Lithology: Dark greenish gray (5GY 4/1) and olive gray (5Y 4/1) SILTY FINE SAND. General Description: Fining upwards sequences similar to ones recovered in Cores 15 and 16, are present here. Thin basal sand intervals show sharp basal contacts marked by mm-thick sand laminae. Weak parallel lamination of alternating sand /clay are observed at the lowermost part of the sequences.

SITE 897 HOLE C CORE 18R CORED 214.4 - 224.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1 CC	early Pliocene		W	P S S M	5GY 4/1	SILTY CLAY Major Lithology: This core contains dark greenish gray (5GY 4/1) to greenish gray (5GY 6/1) SILTY CLAY. Minor Lithologies: Dark greenish gray (5GY 4/1) fine SAND and greenish gray (5GY 4/1) NANNOFOSSIL CLAY General Description: Sequences recovered at Core 17 have features similar to previously described cores at Hole 897C. Note that portions of this core may be disturbed by drilling.



SITE 897 HOLE C CORE 19R CORED 224.1 - 233.8 mbsf

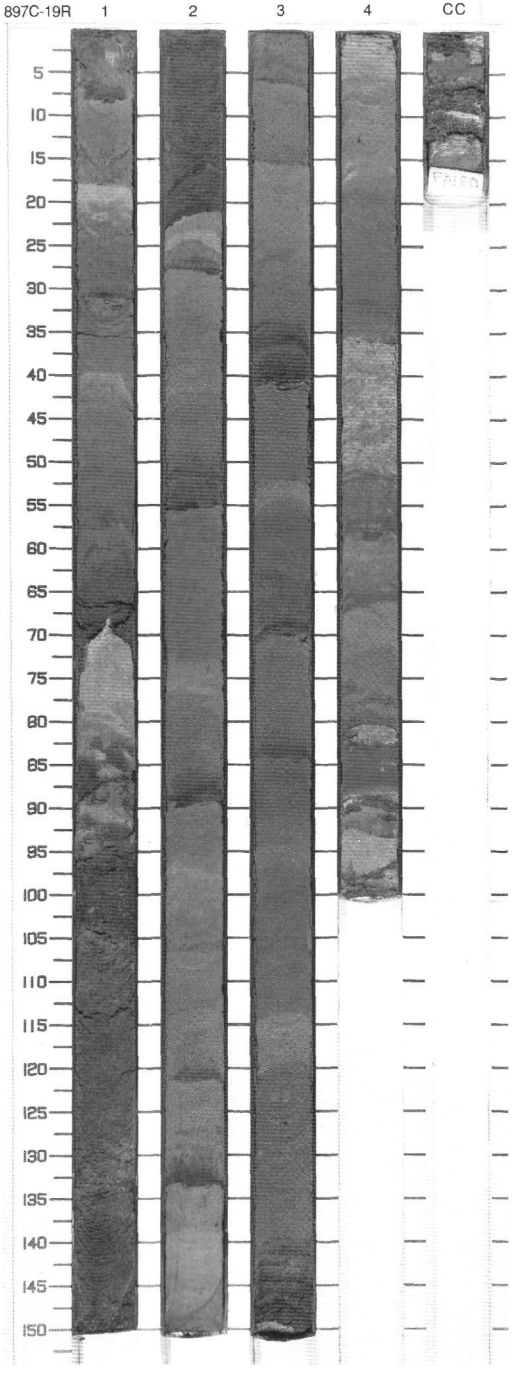


NANNOFOSSIL SILTY CLAY, and FINE SAND, SILTY SAND

Major Lithologies:
Dark greenish gray (5GY 4/1) to greenish gray (5GY 4/1) and olive gray (5Y 4/1) NANNOFOSSIL SILTY CLAY is the dominant lithology. Other major lithologies are fine SAND and SILTY SAND of similar color.

Minor Lithology:
A few intervals of burrow mottled medium light gray (N5) and greenish gray (5GY 6/1) NANNOFOSSIL CLAY occur in Sections 2 and 4.

General Description:
At least 20 graded sequences occur in this core. These sequences, which range from 10 to 40 cm, have a basal FINE SAND or SILTY interval grading upward into NANNOFOSSIL SILTY CLAY. The tops of these sequences are occasionally capped by bioturbated NANNOFOSSIL CLAY. A 55 cm thick layer of fine SAND occurs in Section 1, other basal sandy intervals range between 5 and 25 cm. Sandy basal intervals form about 20% of the core.

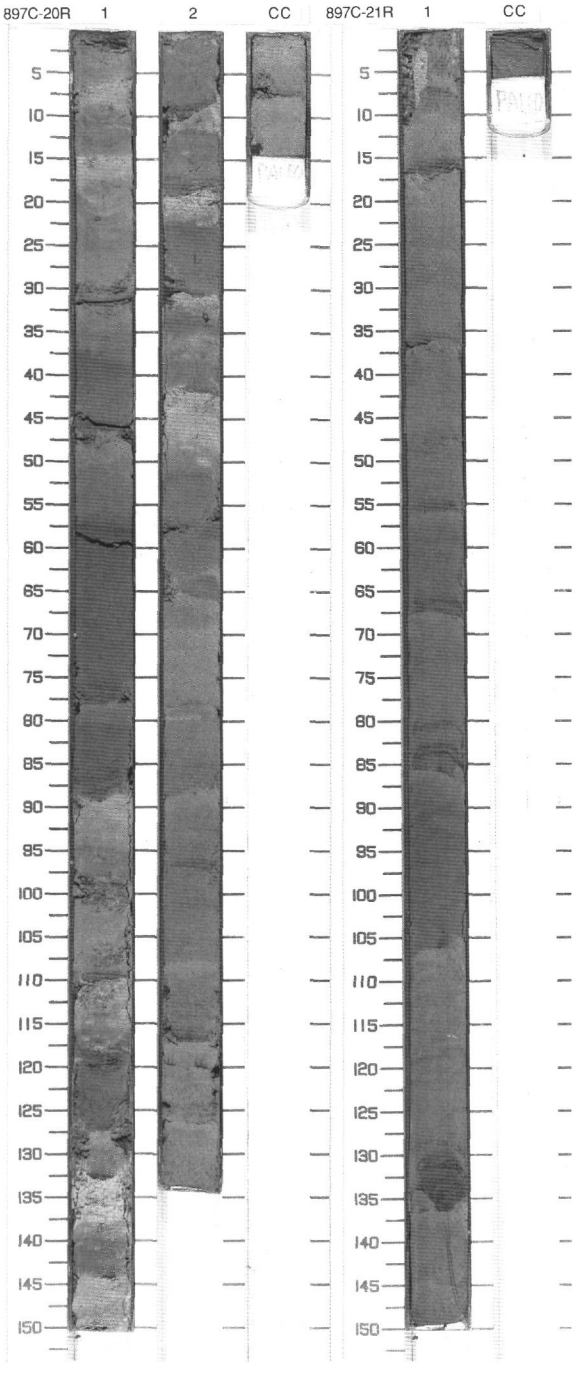


SITE 897 HOLE C CORE 20R CORED 233.8 - 243.4 mbsf

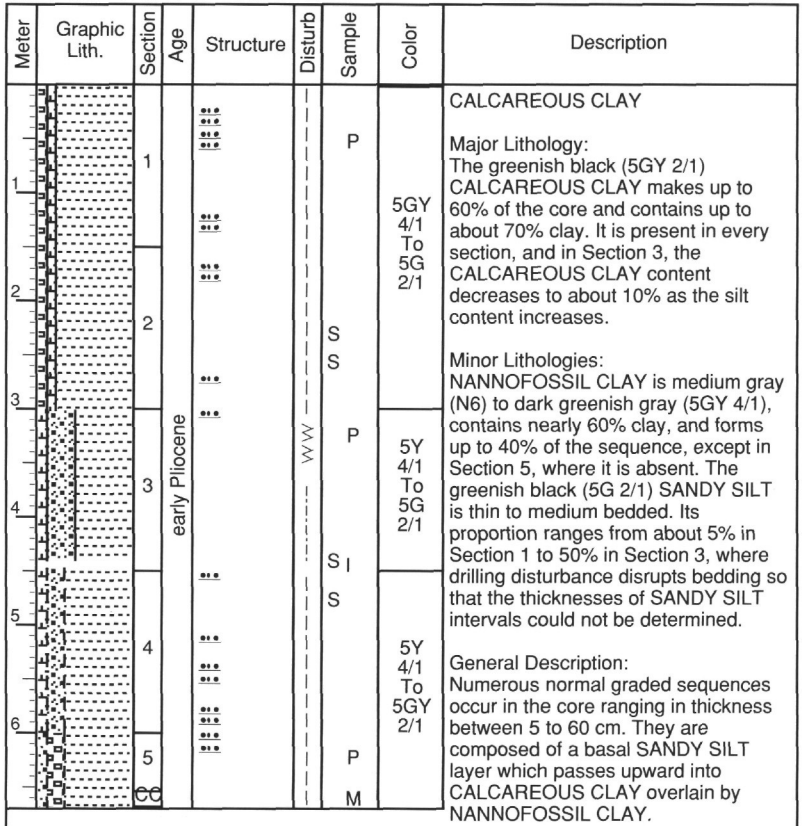
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–3		1, 2, CC	early Pliocene			S P; S; P; M	5GY 4/1 To 5Y 4/1; 5Y 4/1 To 5GY 2/1	SILTY CLAY Major Lithology: SILTY CLAY varying from olive gray (5Y 4/1) to dark greenish gray (5GY 4/1). Minor Lithology: Dark greenish gray (5GY 5/1) FINE SAND and medium gray (N6) CALCAREOUS CLAY. General Description: As in preceding cores, Core 20 consists of SILTY CLAY to CLAY fining upwards sequences, most of which begin with a small basal sand layer. Basal sand intervals constitute about 10% of the core. A total of 22 of these sequences occurs in this core.

SITE 897 HOLE C CORE 21R CORED 243.4 - 253.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1, CC	early Pliocene			P; S; S; M	5G 2/1 To 5GY 2/1	SILTY CLAY Major Lithology: SILTY CLAY constitutes approximately 90% of the core, is greenish black in color (5GY 2/1 and 5G 2/1), and contains up to 70% clay. The greenish black (5GY 2/1) SILTY CLAY is generally bioturbated. Minor Lithology: The greenish black (5G 2/1) SILTY SAND represents about 10% of the section and ranges from less than 1 cm to approximately 4 cm in thickness. The average thickness of the SILTY SAND is about 1 cm. General Description: At least 7 graded sequences occur in this core with thicknesses ranging from 7 to 20 cm thick. Basal SILTY SAND intervals pass upward into SILTY CLAY, the top of which is usually bioturbated.



SITE 897 HOLE C CORE 22R CORED 253.0 - 262.7 mbsf



CALCAREOUS CLAY

Major Lithology:
The greenish black (5GY 2/1) CALCAREOUS CLAY makes up to 60% of the core and contains up to about 70% clay. It is present in every section, and in Section 3, the CALCAREOUS CLAY content decreases to about 10% as the silt content increases.

Minor Lithologies:
NANNOFOSSIL CLAY is medium gray (N6) to dark greenish gray (5GY 4/1), contains nearly 60% clay, and forms up to 40% of the sequence, except in Section 5, where it is absent. The greenish black (5G 2/1) SANDY SILT is thin to medium bedded. Its proportion ranges from about 5% in Section 1 to 50% in Section 3, where drilling disturbance disrupts bedding so that the thicknesses of SANDY SILT intervals could not be determined.

General Description:
Numerous normal graded sequences occur in the core ranging in thickness between 5 to 60 cm. They are composed of a basal SANDY SILT layer which passes upward into CALCAREOUS CLAY overlain by NANNOFOSSIL CLAY.