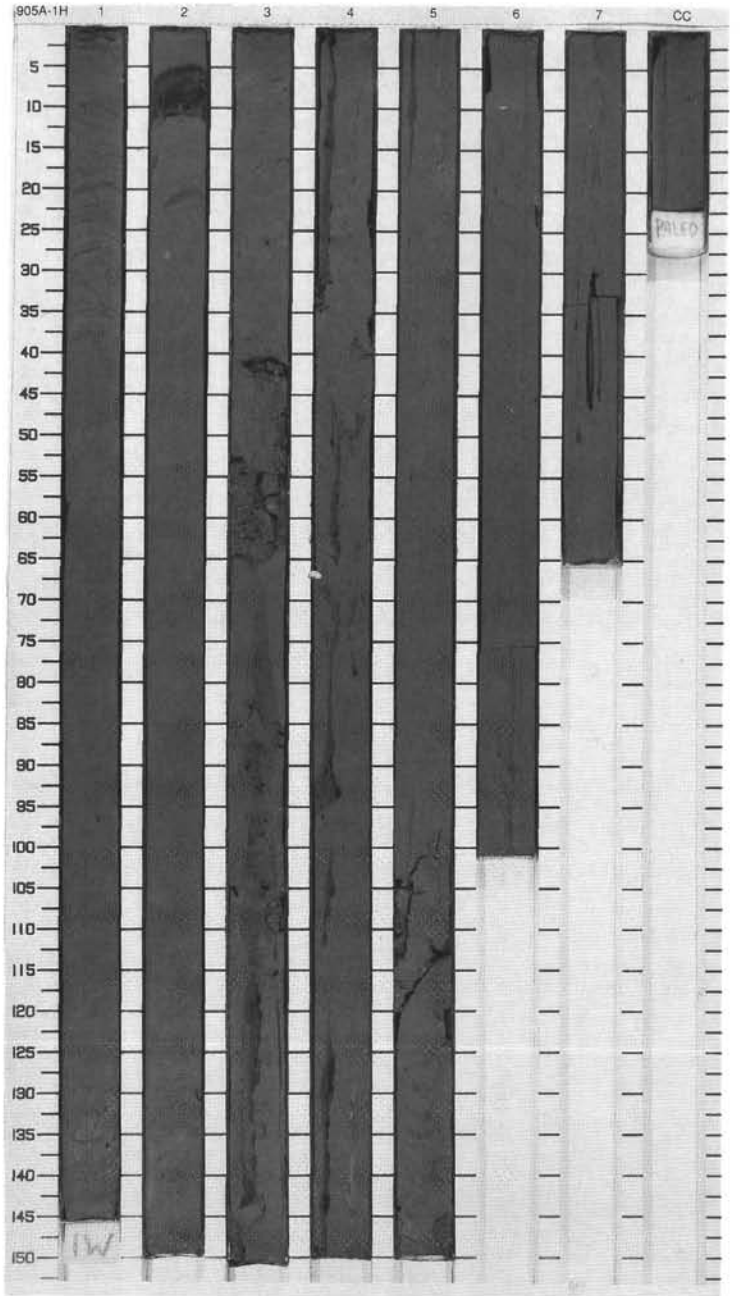
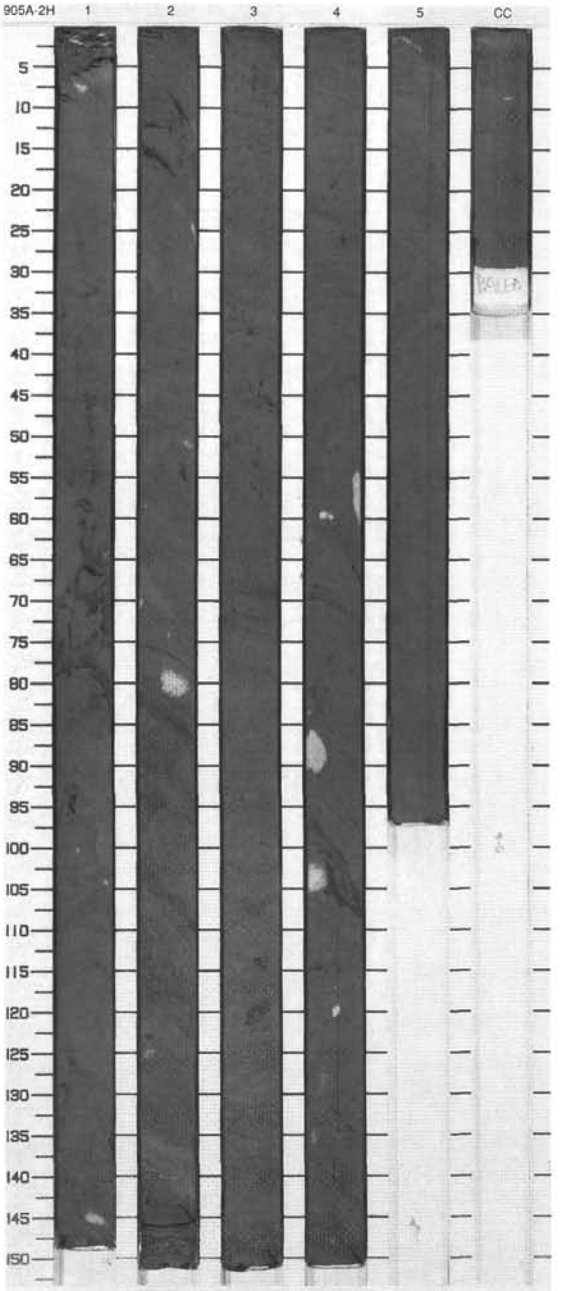
SITE 905 HOLE A CORE 1H CORED 20.0 - 29.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Pleistocene			S, P, I, S, P, S, P, M	10Y 6/1	SILTY CLAY Major Lithology: Gray SILTY CLAY with discordant and contorted thin to medium beds. Beds show subtle differences in color. Small (mm-scale) burrows filled with very fine sand-sized quartz. Minor pyrite. Minor Lithologies: GLAUCONITE bed of silt to very fine sand occurs from 5 to 11 cm in Section 2. General Description: NOTE: Flow-in from 40 cm in Section 3 to base of core.



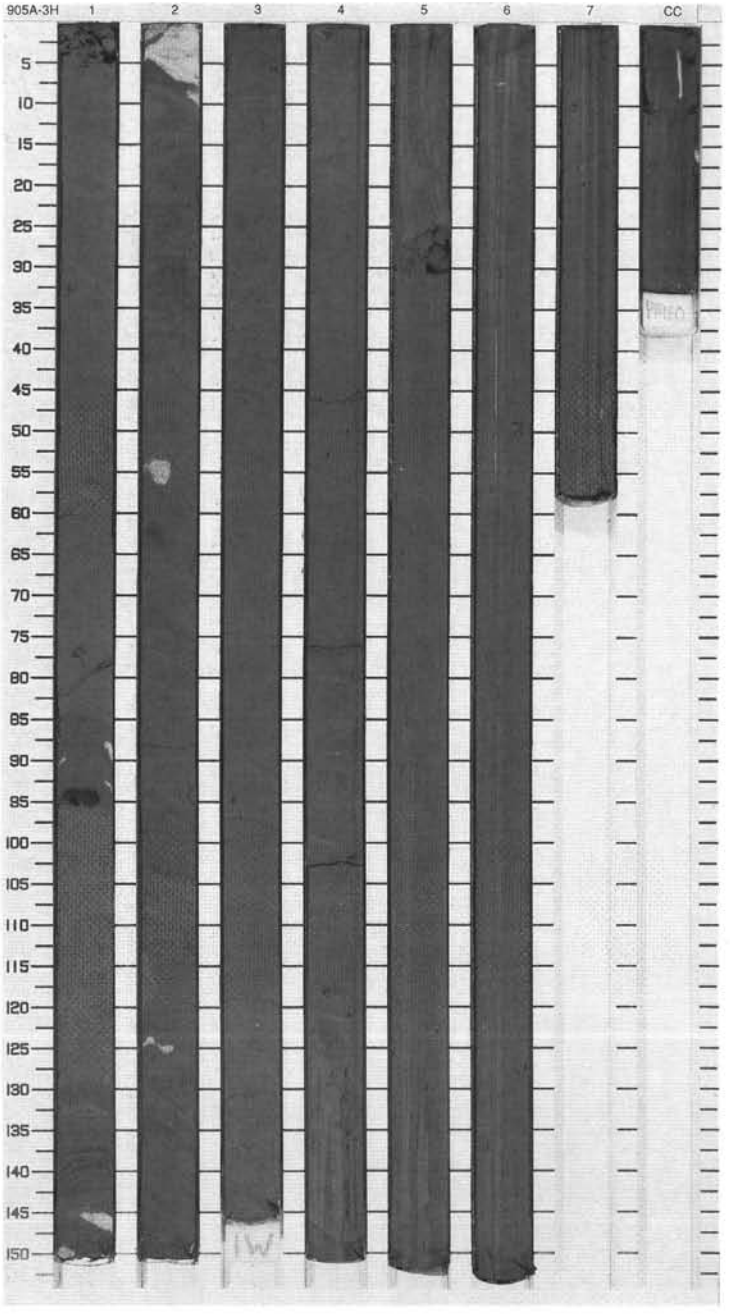
SITE 905 HOLE A CORE 2H CORED 29.5 - 36.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1	early Pleistocene				10Y 5/1 To 10Y 5/1	SILTY CLAY Major Lithology: Gray SILTY CLAY with discordant and contorted beds throughout plus common cm-scale mud clasts, most of which are white chalk or light greenish gray clay. Discordant and contorted beds show subtle differences in color. Minor Lithology: Medium to coarse quartz SAND occurs in a thin contorted bed at about 70 cm in Section 1. General Description: NOTE: Flow-in below 80 cm in Section 5 to base of core.
		2				P S		
		3				I S P D	10Y 6/1 To 10Y 5/1	
		4						
		5			VVV	P	10Y 4/1 To 10Y 3/1	
		CC				M		



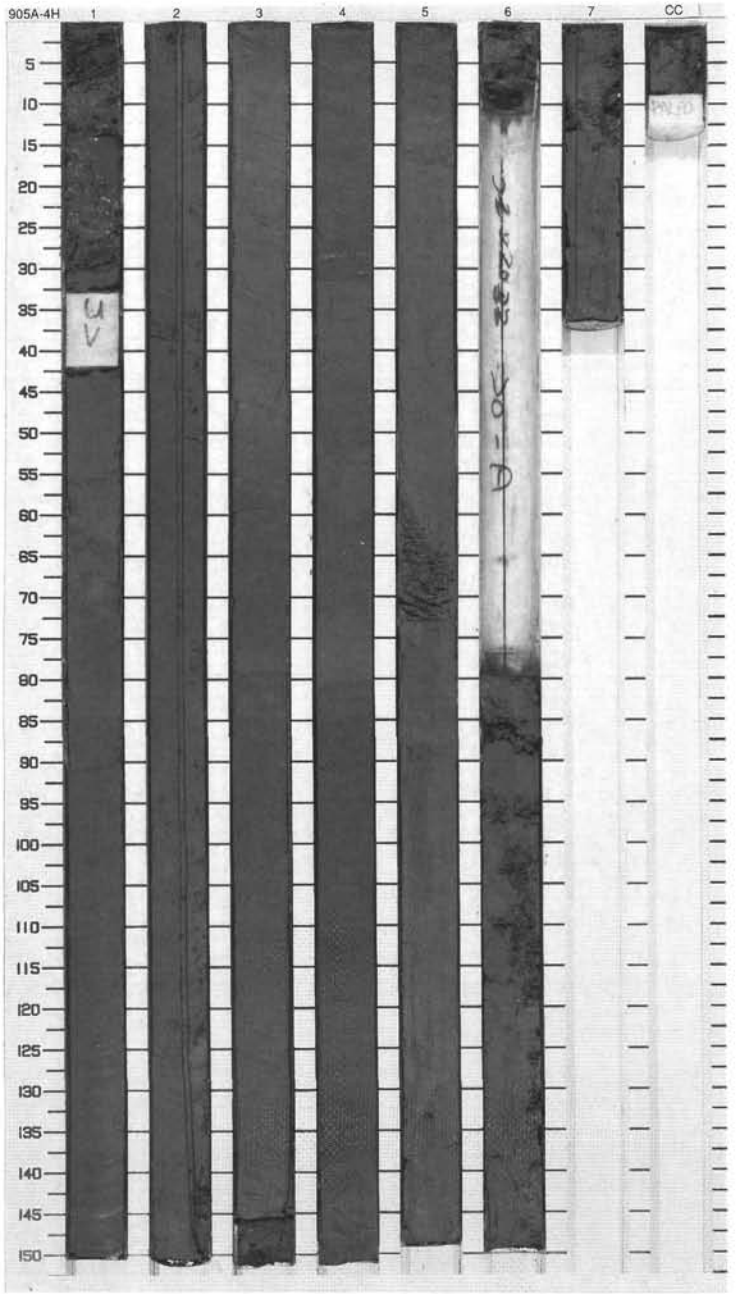
SITE 905 HOLE A CORE 3H CORED 36.0 - 45.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pleistocene			S P D	10Y 4/1 To 10Y 5/1	SILTY CLAY Major Lithology: Gray to dark gray SILTY CLAY. Discordant and contorted thin to medium beds. Soft-sediment faults with cm-scale displacement in Section 1. Greenish gray clay and white chalk mud clasts common. Minor Lithology: Laminated SANDY CLAY occurs interbedded with the SILTY CLAY at about 130 cm to base of Section 1. General Description: NOTE: Flow-in from 130 cm in Section 4 to base of core.
		2					10Y 4/1 To 10Y 3/1	
		3				P	10Y 4/1	
		4				I S P	10Y 4/1 To 10Y 5/1	
		5					10Y 4/1	
		6						
		7						
		CC				M		



SITE 905 HOLE A CORE 4H CORED 45.5 - 55.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	early Pleistocene			P	5GY 5/1	SILTY CLAY Major Lithology: Light greenish gray to dark greenish gray SILTY CLAY, indistinctly bioturbated. Discordant thin to medium beds show subtle differences in color. Rare small burrows filled with very fine sand. Possible mud clasts at 70 cm in Section 4. Color changes with unburrowed contacts. A thin normally graded sand bed occurs at 30 cm in Section 4. General Description: NOTE: Flow-in from 20 cm in Section 5 to base of core.
							5GY 4/1	
		2					5Y 4/1 To 5GY 4/1	
		3				P D	5GY 4/1	
							5G 4/1	
							5GY 4/1 To 5YR 4/1	
		4				I S	5GY 5/1	
							5GY 4/1	
		5						
		6						
		7 CC				M		

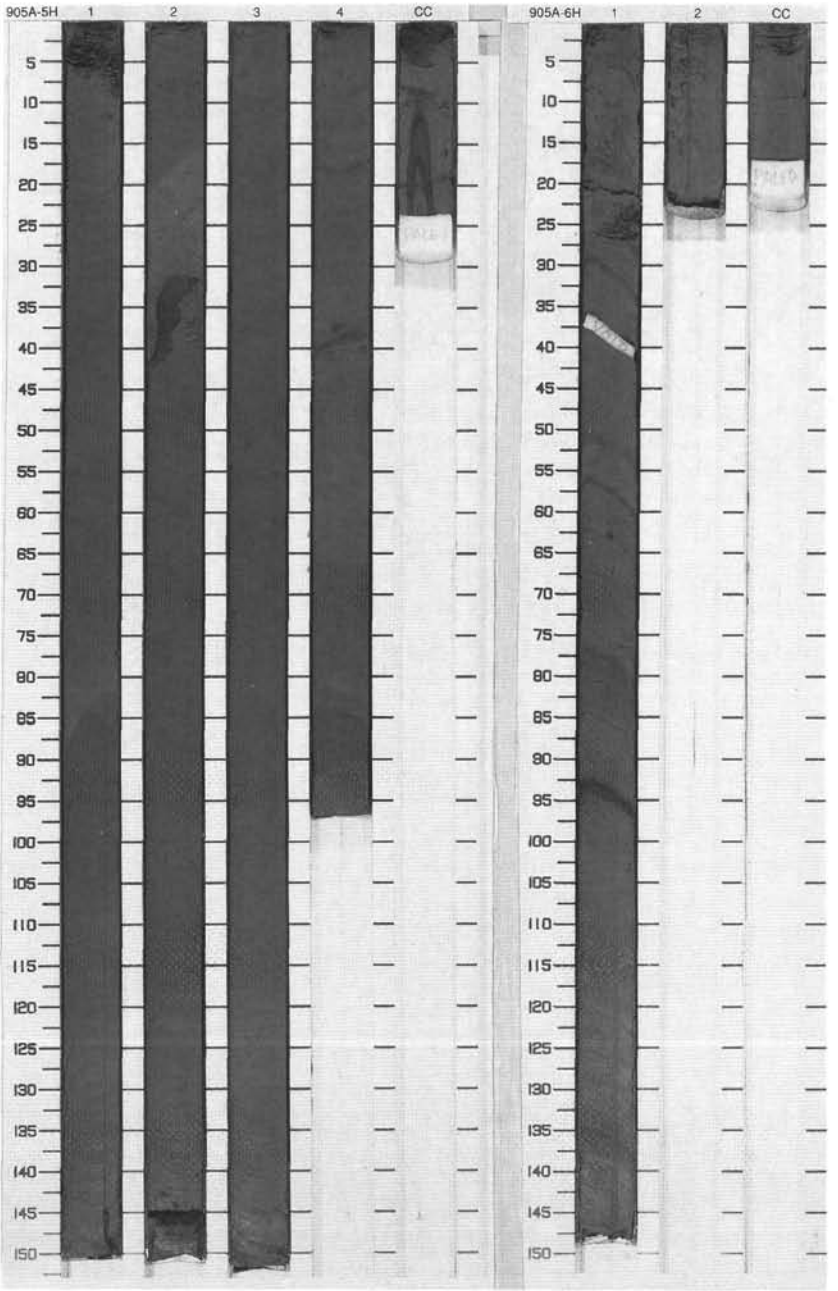


SITE 905 HOLE A CORE 5H CORED 55.0 - 61.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1	early Pleistocene		W	P	5GY 4/1	SILTY CLAY and GLAUCONITE SAND *Major Lithologies:* Dark greenish gray SILTY CLAY with small burrows and occasional shell fragments. Beds show slight color changes and have discordant, dipping contacts. Apparent sand injection feature (10 cm long, 4 cm wide) or contorted bed of GLAUCONITE SAND in Section 2. General Description: NOTE: Core Catcher is flow-in.
							5G 4/1	
		2					5GY 4/1 To 5GY 5/1	
		3				I P D	5GY 4/1	
		4				S	5GY 4/1 To 5GY 5/1	
		CC				M		

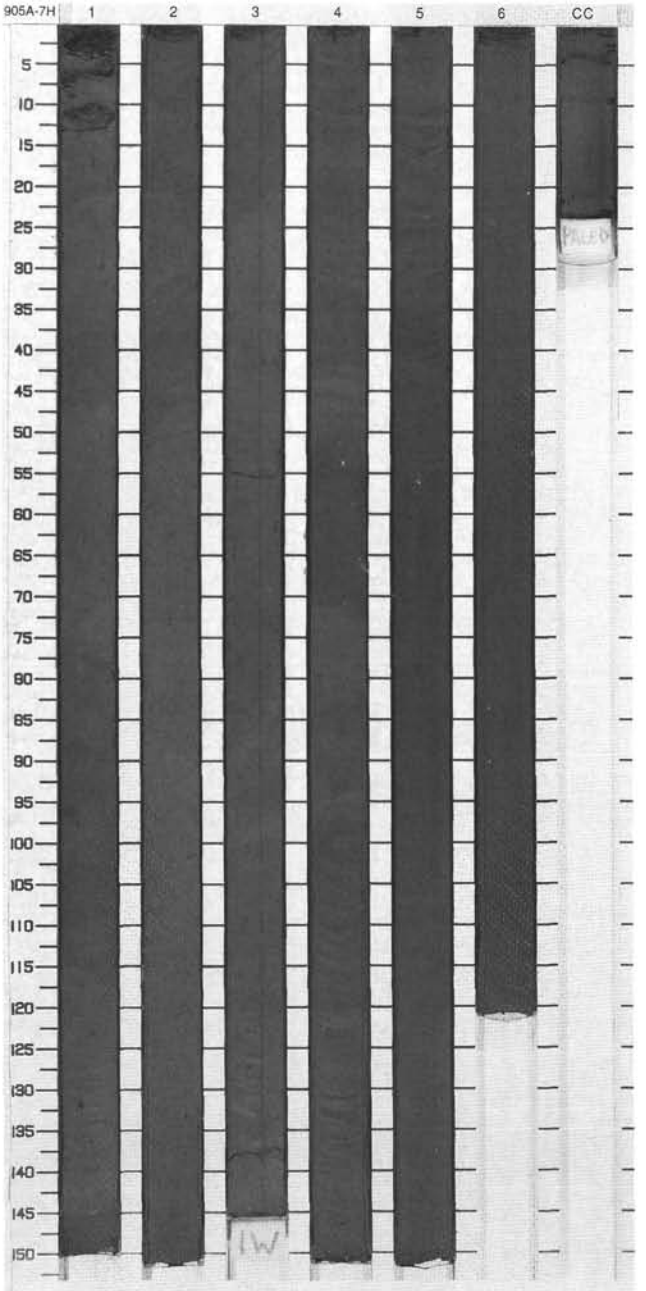
SITE 905 HOLE A CORE 6H CORED 61.0 - 63.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pleistocene	◇ Ⓟ	W	S P	N4	SILTY CLAY Major Lithology: Gray SILTY CLAY with some discordant, dipping contacts and beds of subtle color variation. Indistinct bioturbation except small burrow filled with light gray silt. Sandier layers occur at 28, 50, and 56 cm. Quartz pebbles at 62 and 70 cm. Minor Lithologies: Poorly sorted GLAUCONITIC sandy layer in Section 1, 95 cm. General Description: NOTE: Most of Section 2 and CC are flow-in.
		2 CC				M		



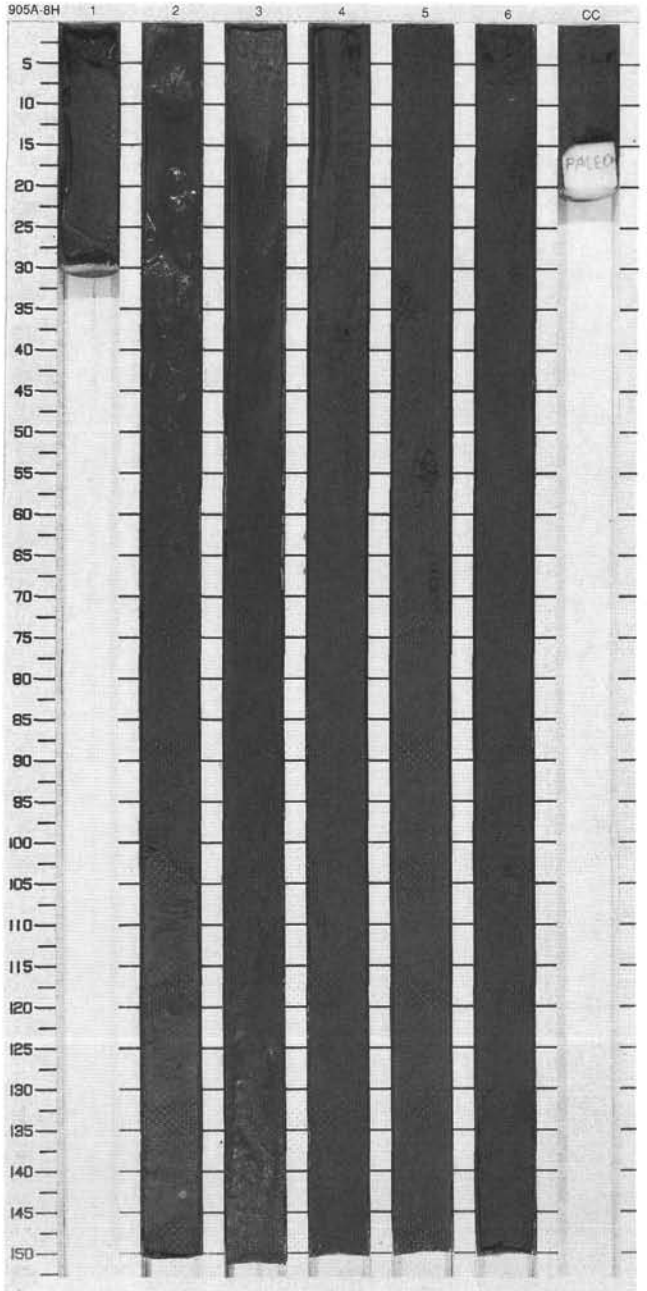
SITE 905 HOLE A CORE 7H CORED 63.0 - 72.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1	early Pleistocene			P	5BG 4/1	SILTY CLAY Major Lithology: Gray, bluish gray, and greenish gray SILTY CLAY with many discordant, dipping beds. Contorted beds also occur. Sections 1 and 2 are rarely to slightly bioturbated. Small burrows are filled with very fine sand and silt. General Description: NOTE: Flow-in from 50 cm in Section 5 to base of the core.
							5G 4/1 To 5BG 4/1	
		2				S	5Y 4/1 To 5GY 5/1	
		3				P D	5BG 4/1	
							5Y 4/1 To 5BG 4/1	
		4				I	5G 4/1	
		5				P	5G 4/1 To 5GY 4/1	
		6						
		CC				M		



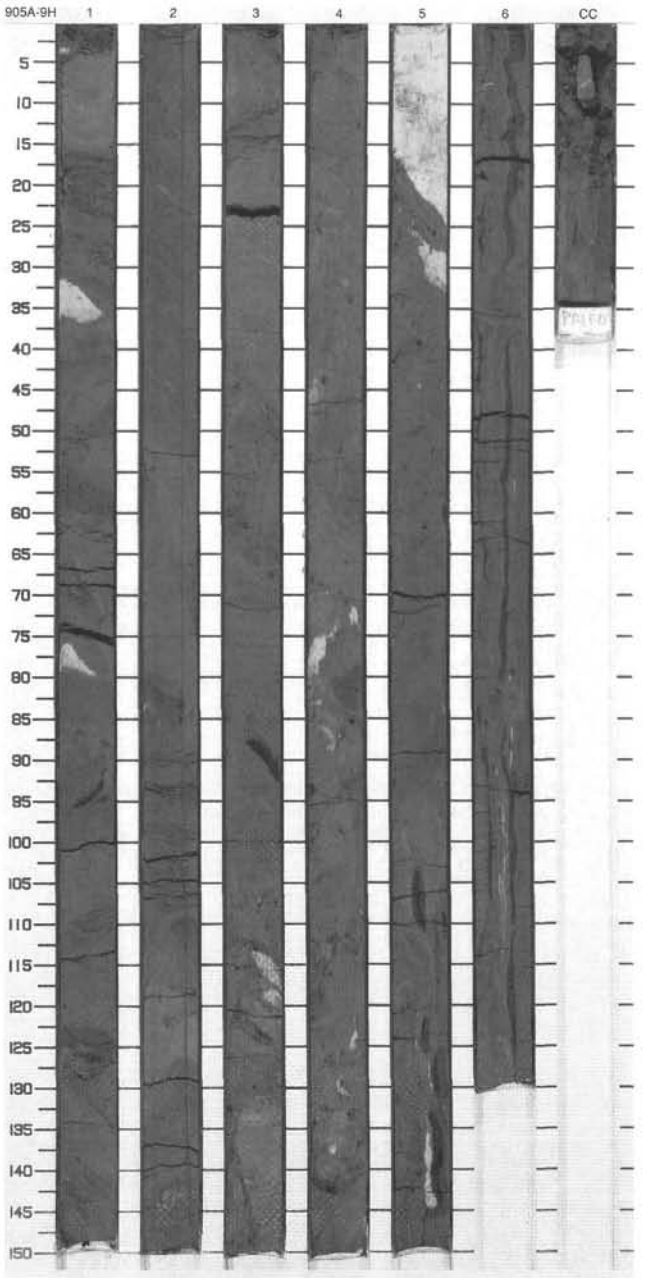
SITE 905 HOLE A CORE 8H CORED 72.0 - 80.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	early Pleistocene			P; P S; S; P S; P S; M	N4	SAND Major Lithology: Section 1 and 0–100 cm of Section 2 are gray medium-sized SAND without recognizable structures and no apparent grading. The SAND is composed of subangular to rounded quartz grains, minor glauconite, mica and shell fragments. Minor Lithologies: Gray CLAY with contorted and discordant, dipping beds, which contain two white mud clasts occur from 100 cm to the base of Section 2. General Description: NOTE: Section 3 to the base of the core appears to be flow-in which consists of medium-sized, well-sorted sand. Two gray, rounded mud clasts (2–3 cm) occur in Section 5 at 52–58 cm and 67–71 cm.



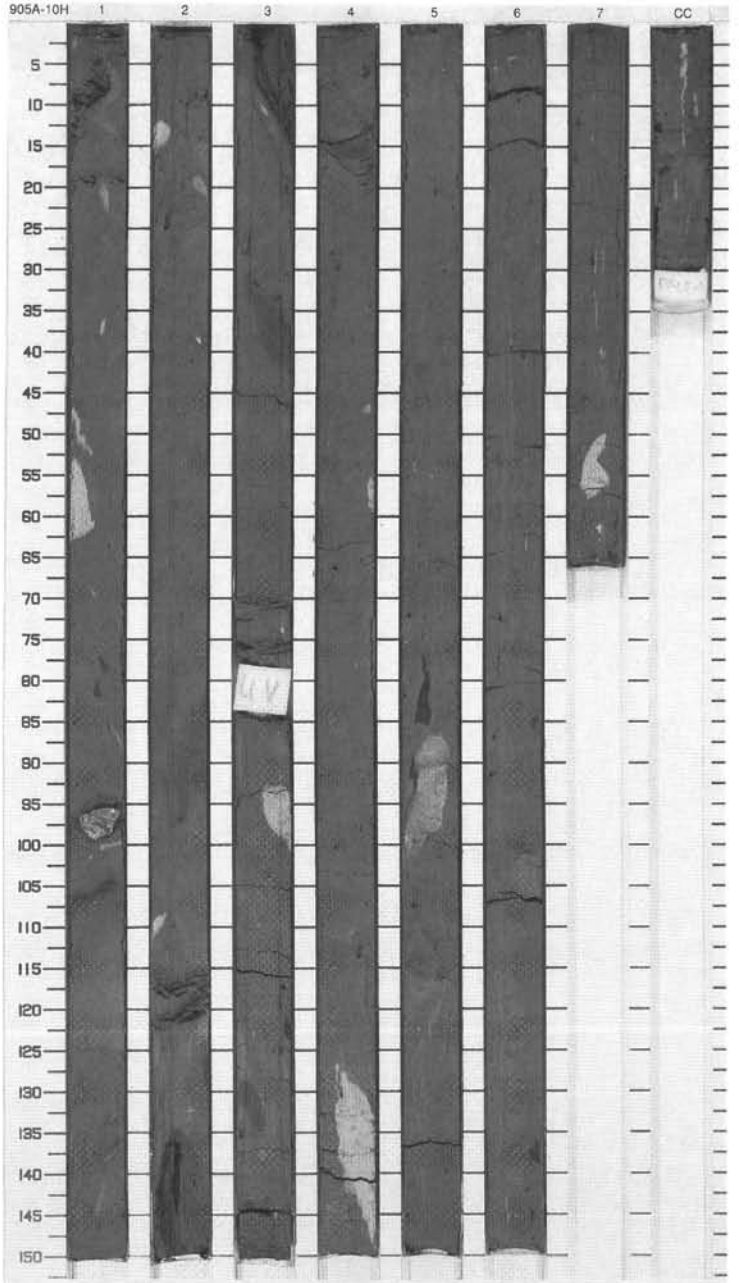
SITE 905 HOLE A CORE 9H CORED 80.0 - 89.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–6, CC	early Pleistocene			S, P, I, P D, P, M	N4 To N5	CLAY Major Lithology: Gray CLAY with contorted beds, discordant, dipping contacts, and abundant mud clasts. Subtle color changes between beds across the sharp, irregular boundaries. Clasts include white nannofossil chalk (e.g. Section 1, 30–36 cm, 77–79 cm, top of Section 5), sand (e.g. Section 3 93–95 cm, 123–125 cm), gray mud and a large sandstone clast in the CC. Some clasts are deformed and exhibit flow structures. General Description: NOTE: Probably flow-in from 100 cm in Section 5 to the base of core.



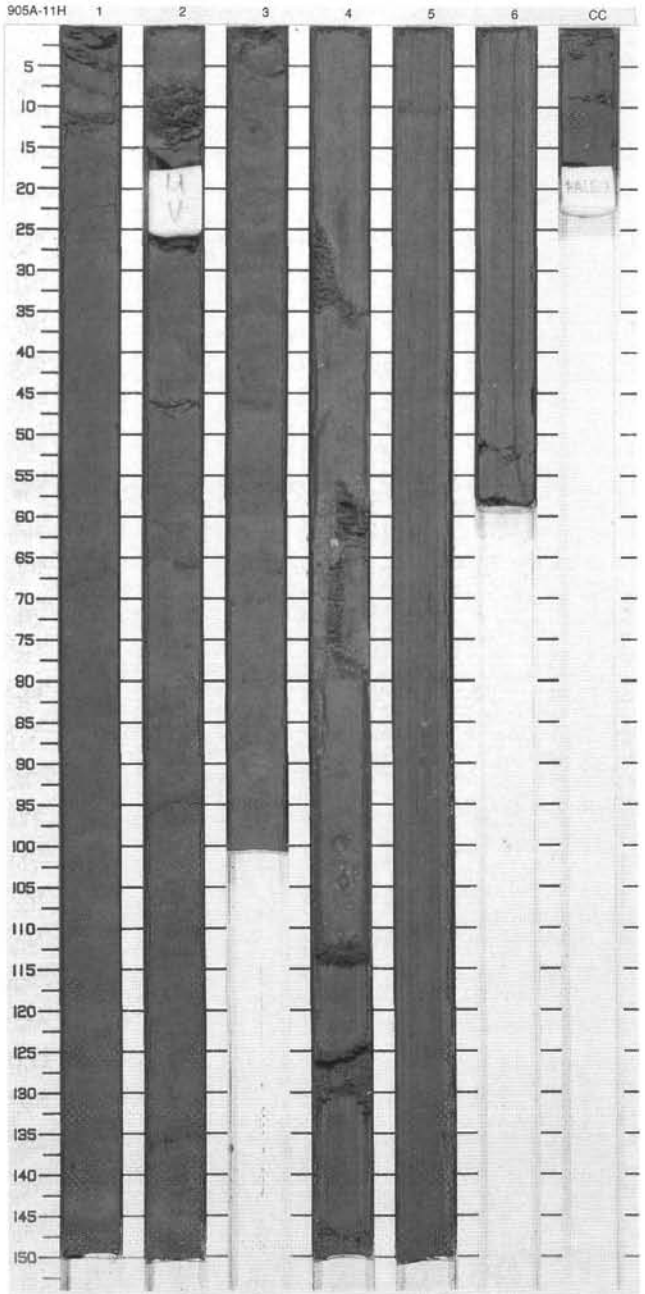
SITE 905 HOLE A CORE 10H CORED 89.0 - 98.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	early Pleistocene			S, P, D, I, M	N4 To N5	CLAY Major Lithology: Gray, variegated CLAY with contorted beds, discordant, dipping contacts and abundant mud clasts, which include white nannofossil chalk and gray mud. Many clasts are deformed and exhibit flow structures. Minor Lithology: Deformed SANDY CLAY lenses or clasts occur in Section 2, 113–121 cm and in Section 3, 64–70 cm. General Description: NOTE: From Section 5, 30 cm to the base, the core appears to be flow-in. Flow-in contains many deformed, flowed clasts.



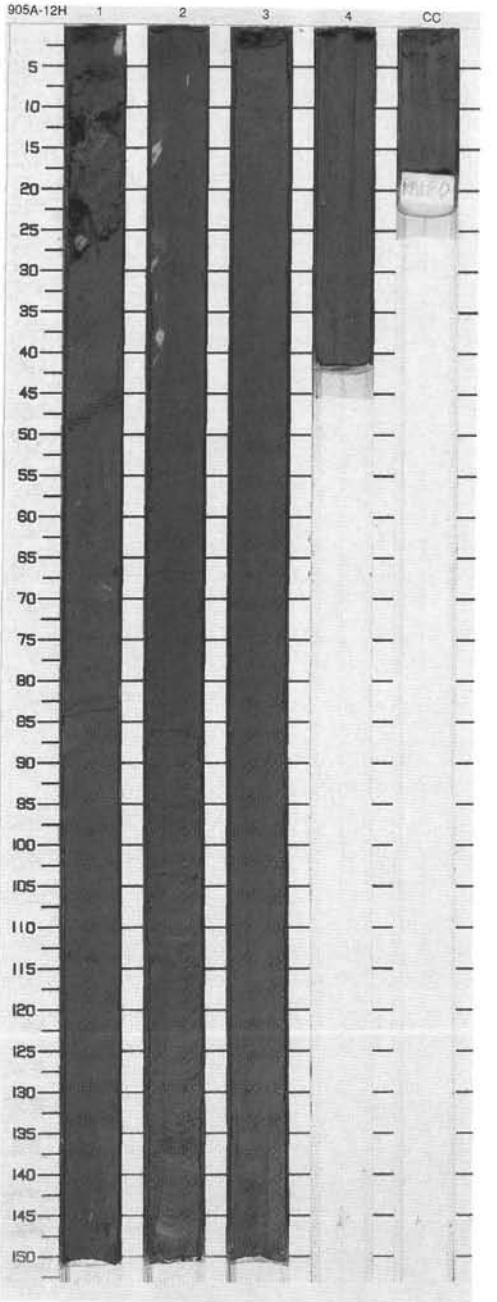
SITE 905 HOLE A CORE 11H CORED 98.5 - 106.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1, 2, 3, 4, 5, 6, CC	early Pleistocene			S, P, P, D, M	N5 To N4	SILTY CLAY Major Lithology: Dark gray, homogeneous, rarely burrowed SILTY CLAY. Rare sandy layers (<5 mm) occur in Section 1, 67–68 cm and in Section 2, and appear to be burrow fills. Faint laminations and color bands in Section 1, 80–150 cm. General Description: NOTE: Flow-in from Section 4 to the base of the core.



SITE 905 HOLE A CORE 12H CORED 106.5 - 111.5 mbsf

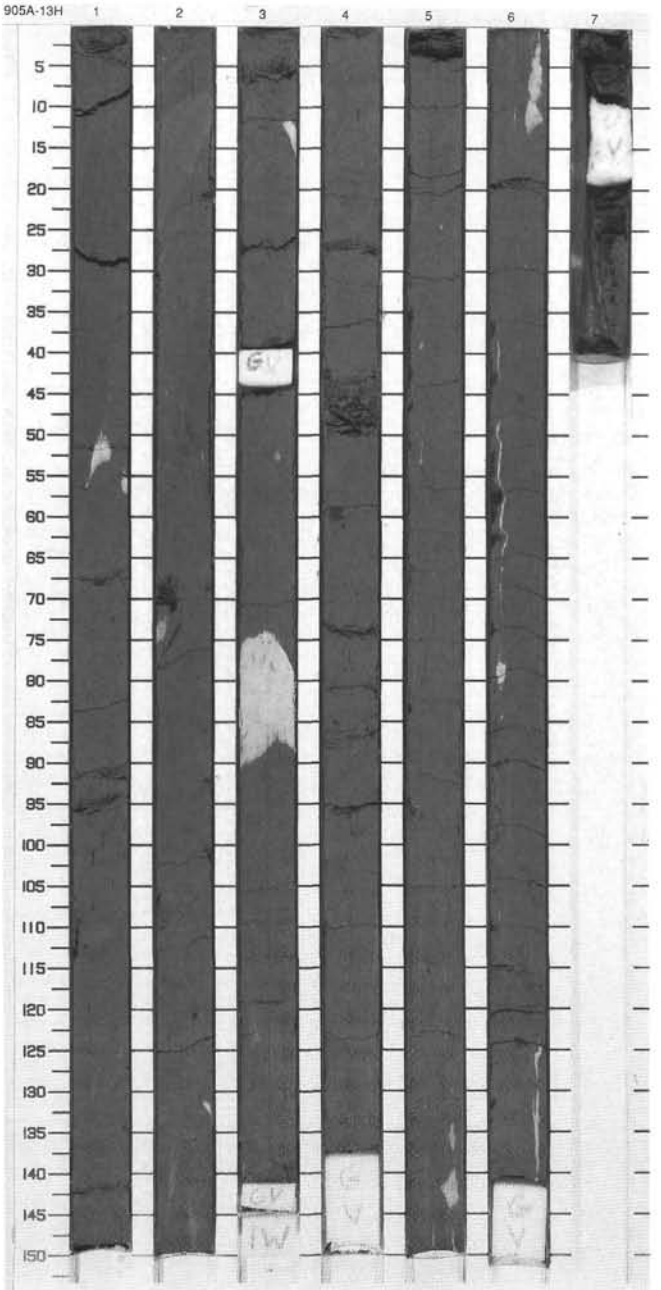
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1, 2, 3, 4, CC	early Pleistocene			S, P, D, S, M	N4 To N5	SILTY CLAY Major Lithology: Slightly sandy, gray SILTY CLAY with contorted beds, discordant, dipping, contacts, some of which show flowage, and abundant clasts (1 to 10 cm in *diameter) including gray mud clasts*, a dark gray glauconitic sand clast and white nannofossil chalk clasts. A sharp, steeply dipping contact occurs in Section 2, 20–45 cm. General Description: NOTE: Flow-in from top of Section 3 to the base of core.



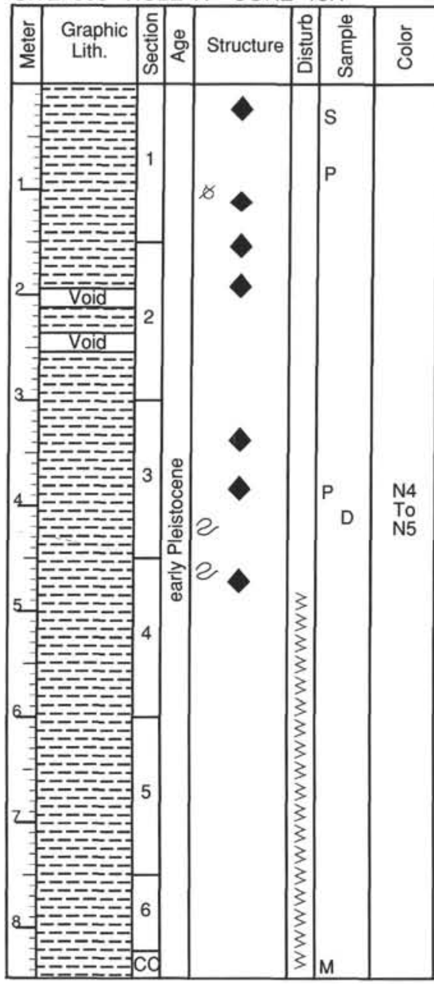
SITE 905 HOLE A CORE 13H CORED 111.5 - 121.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7 CC	early Pleistocene		Void	S, P, P D, I, M	N4 To N5	SILTY CLAY Major Lithology: Gray SILTY CLAY with discordant, often very steeply dipping, flowed beds and apparent contorted beds and isoclinal folds. Beds consist of two types of interbedded gray clay: (1) very smooth, homogeneous with low silt content; and (2) very silty with small, black, sand-filled burrows. Mud clasts are common and include white Eocene nannofossil chalk (e.g., large white clast in Section 3, 76–90 cm) and gray clay clasts. Some clasts show deformation and flowage. General Description: NOTE: Top of Section 5 to base is flow-in which contains deformed, flowed white and gray mud clasts.

905A 14H NO RECOVERY



SITE 905 HOLE A CORE 15H CORED 126.0 - 134.5 mbsf

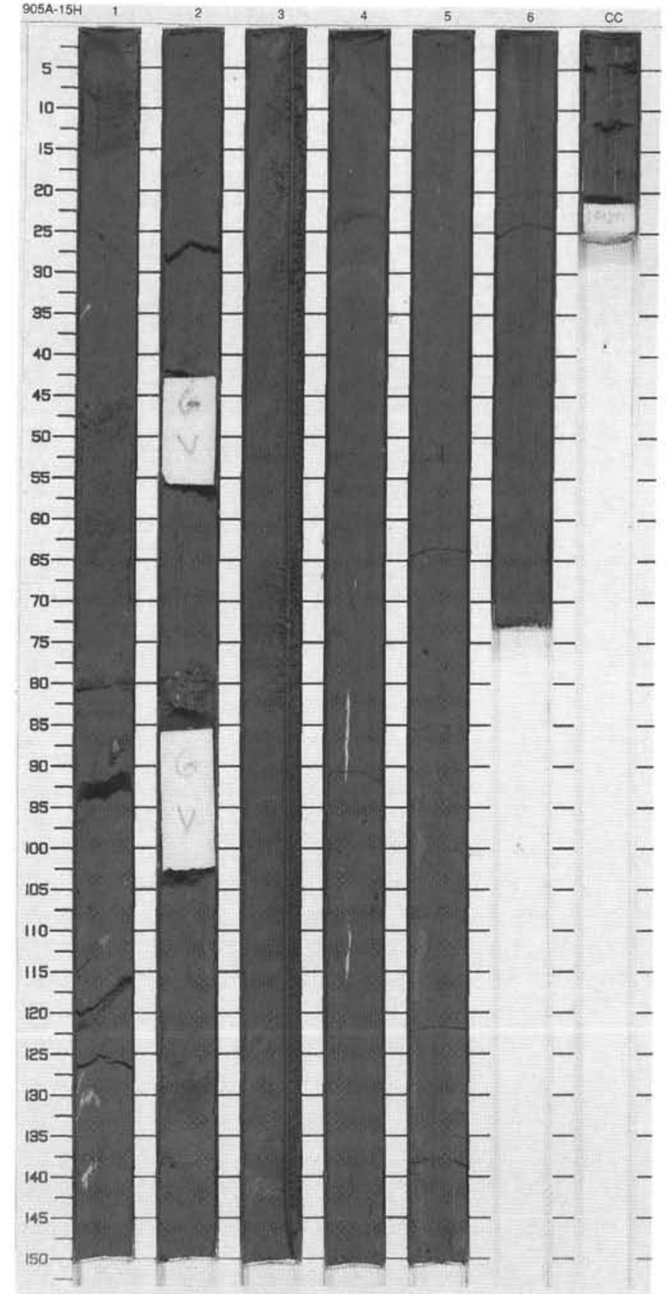


Description

SILTY CLAY

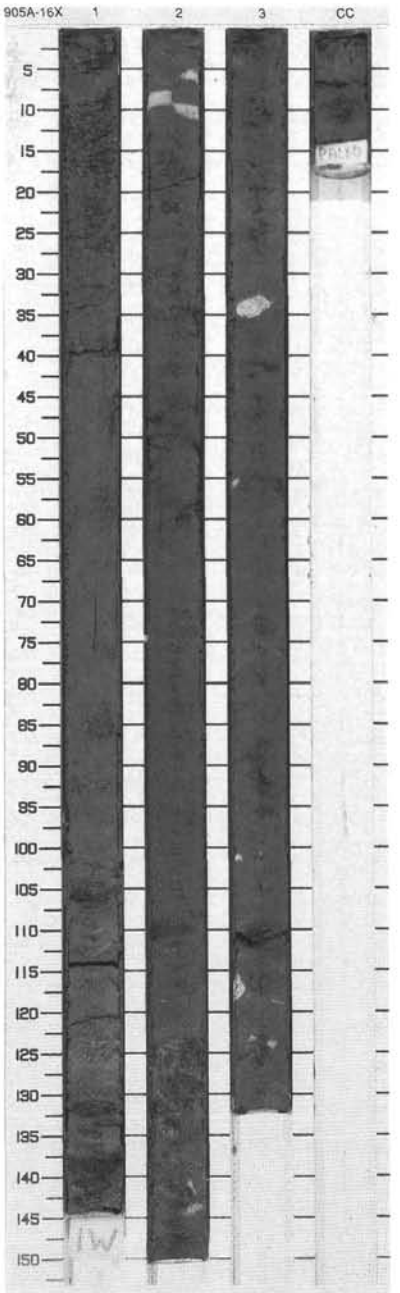
Major Lithology:
Gray SILTY CLAY with contorted beds (Sections 3 and 4), and discordant, dipping contacts. Mud clasts are common, including dark gray and brownish gray clasts, plus small white clasts of nannofossil chalk. Some beds and clasts show deformation and flowage.

General Description:
NOTE: Flow-in from Section 4, 30 cm downward to base of core. Deformed clasts in flow-in.



SITE 905 HOLE A CORE 16X CORED 134.5 - 144.1 mbsf

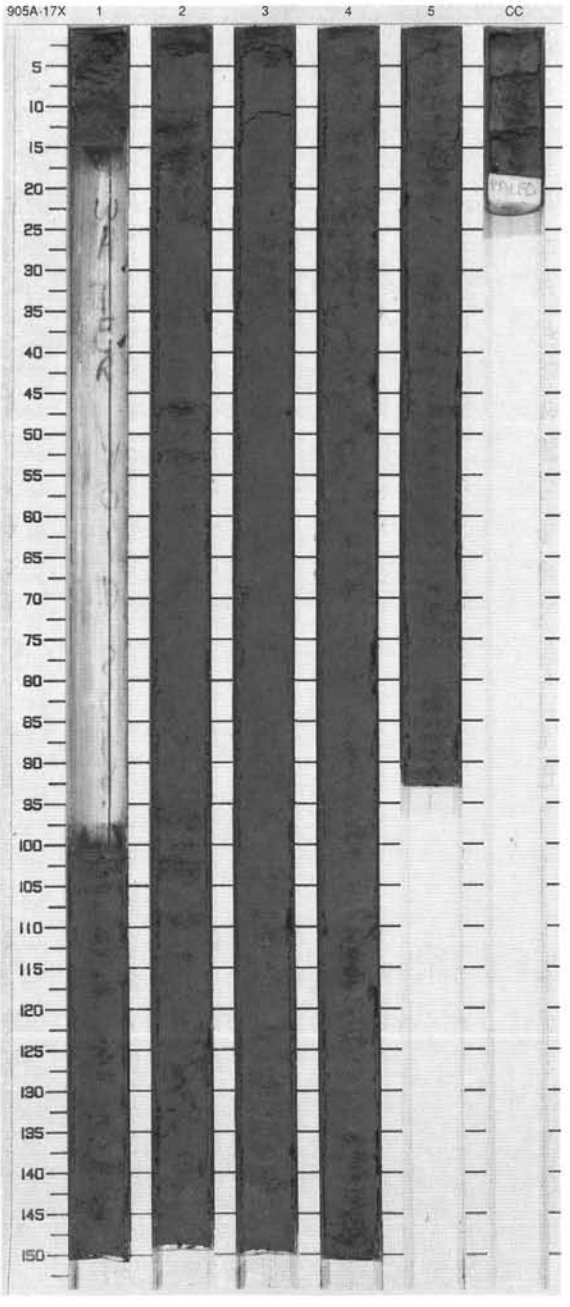
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3 4		1 2 3 CC	early Pleistocene			S P P D M	N4 To N5	CLAY Major Lithology: Gray CLAY with a few discordant, dipping contacts between beds of subtle color variation. Sections 2 and 3 contain some white chalk mud clasts, one of which is deformed by faulting.



SITE 905 HOLE A CORE 17X CORED 144.1 - 153.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7	VOID; 1; 2; 3; 4; 5; CC	1; 2; 3; 4; 5; CC	early Pleistocene		○	S; P D; P; P; M	N4 To N5	CLAY and SILTY CLAY Major Lithologies: Homogeneous gray CLAY and SILTY CLAY. Rare burrows and shell fragments. Microfracturing by gas and darker colored mottlings of hydrotroilite staining occur, but no evidence of disturbed beds or clasts as in cores above and below.

905A 18X NO RECOVERY

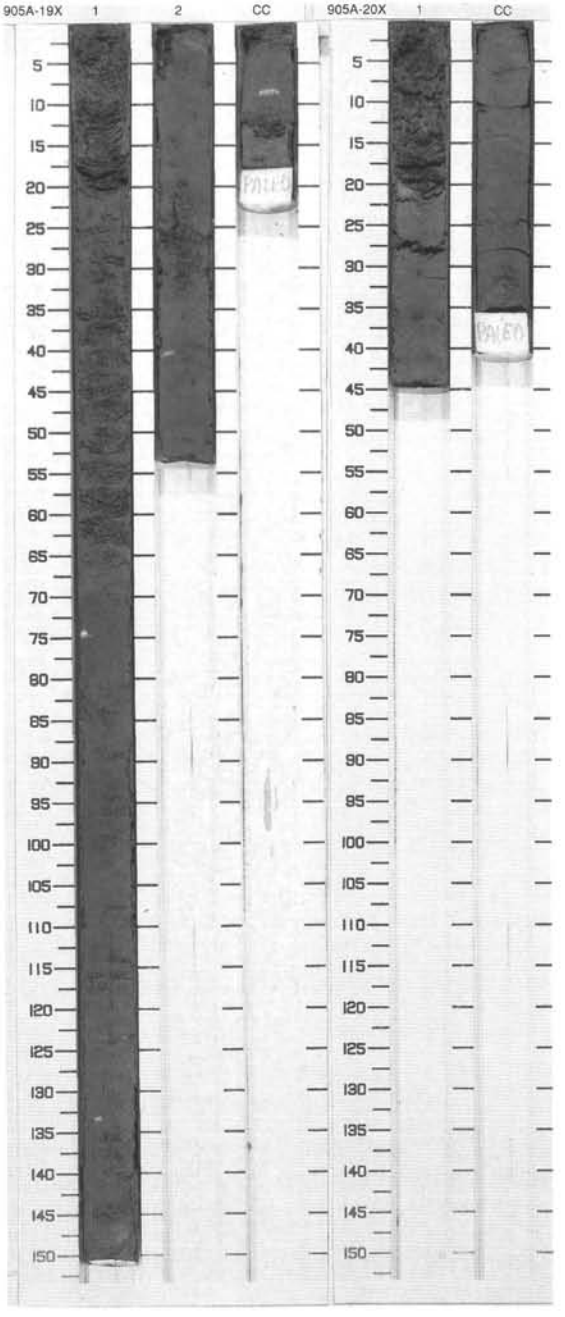


SITE 905 HOLE A CORE 19X CORED 163.4 - 173.1 mbsf

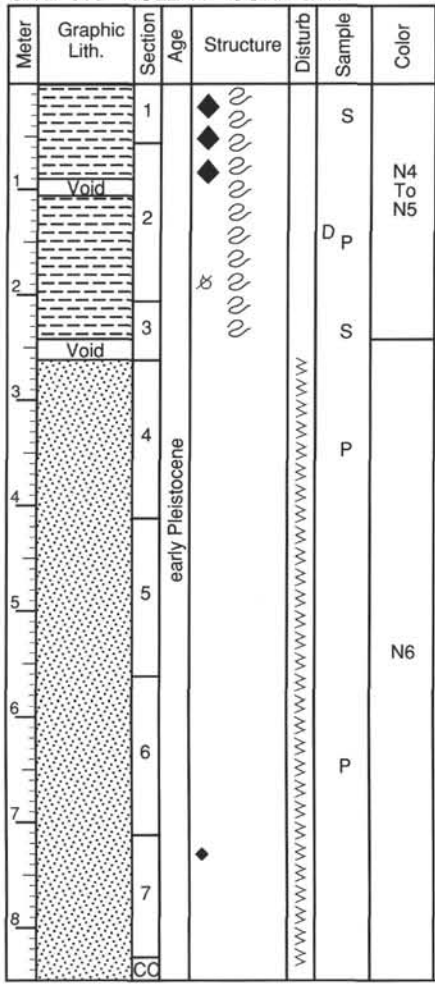
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–2		1, 2, CC	early Pleistocene			D P, S P, P	N4 To N5	SILTY CLAY Major Lithology: Gray to dark gray SILTY CLAY with discordant, dipping bedding contacts and a few greenish gray mud and white nannofossil chalk clasts.

SITE 905 HOLE A CORE 20X CORED 173.1 - 182.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1, CC	early Pleist.			D P M	N4 To N5	SILTY CLAY Major Lithology: Gray gas-fractured SILTY CLAY. A greenish gray mud clast occurs in the CC.



SITE 905 HOLE A CORE 21H CORED 182.7 - 192.2 mbsf

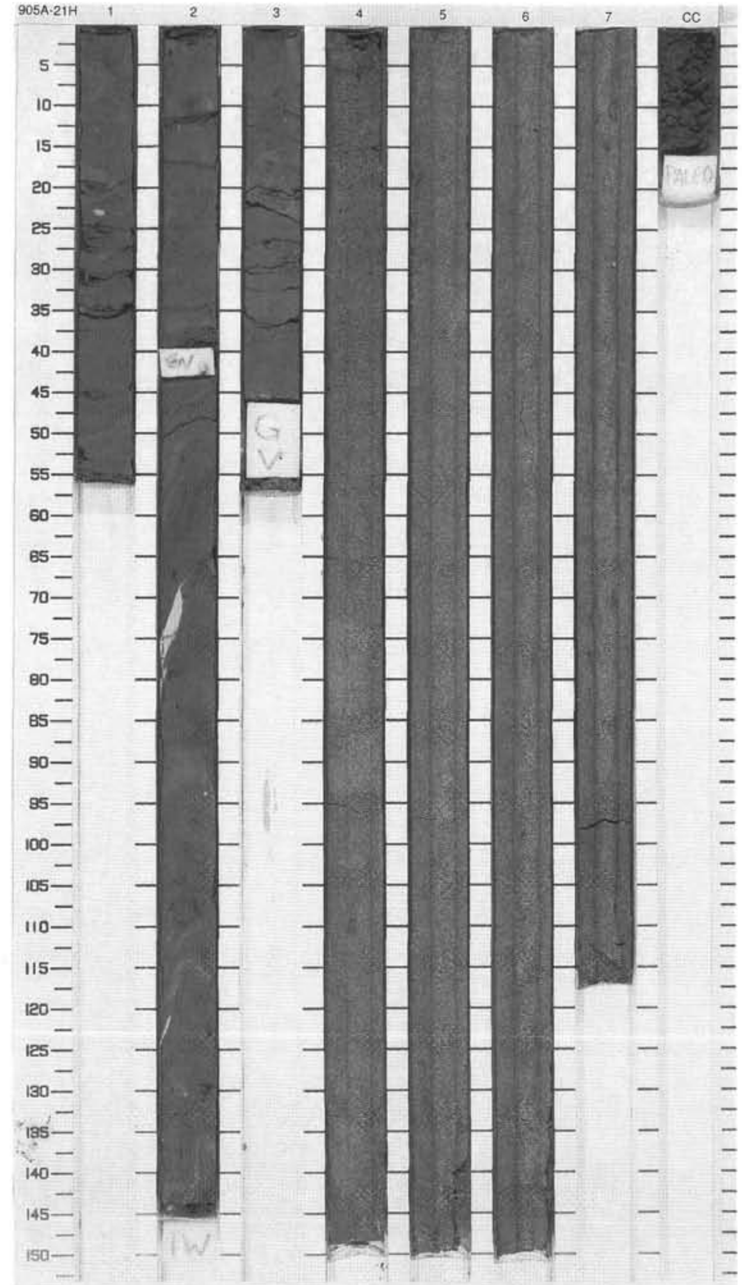


Description

SILTY CLAY and SAND

Major Lithologies:
Gray SILTY CLAY from top to 44 cm in Secton 3, is variegated colors of gray to dark gray clay. Beds are contorted, folded, or have discordant, dipping contacts and show deformation and flowage. Clasts are common and are gray mud and white nannofossil chalk, some are deformed by flowage. Microfractures from gas occur. Gray SAND occurs downward from the top of Section 4 and consists mainly of medium- to very coarse-grained quartz; this unit is mostly flow-in; however, the top 10 to 20 cm of the sand may be actual core recovery.

General Description:
NOTE: Gray sand from the uppermost part (10–25 cm) of Section 4 to the base of the core is flow-in as evidenced by vertical striations and the lack of structure or grading in the sand. The flow-in also contains rare gray mud clasts. Possibly, the sand in the top 10 to 25 cm of Section 4 is not flow-in.

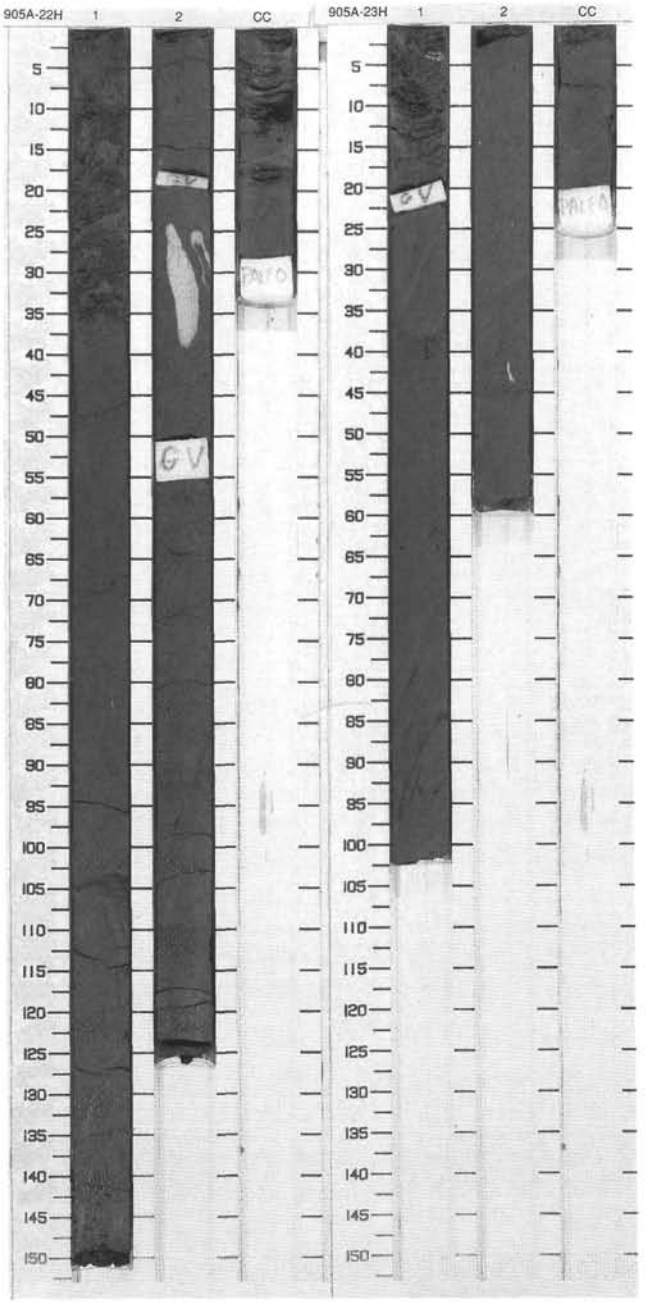


SITE 905 HOLE A CORE 22H CORED 192.2 - 195.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 3		1 2 CC	early Pleistocene		W	P S P S P D	N4 To N5	SILTY CLAY Major Lithology: Gray to dark gray SILTY CLAY with discordant, steeply dipping (including nearly vertical) contacts. Beds show deformation and flowage. Top 35 cm of Section 1 is gray mud clasts intermixed with quartz-dominated, coarse- to granule-sized sand with shell fragments. Gray mud clasts and white nannofossil chalk clasts occur; one of the white clasts is deformed into an isoclinal fold. General Description: NOTE: Flow-in in CC from 20 cm to base.

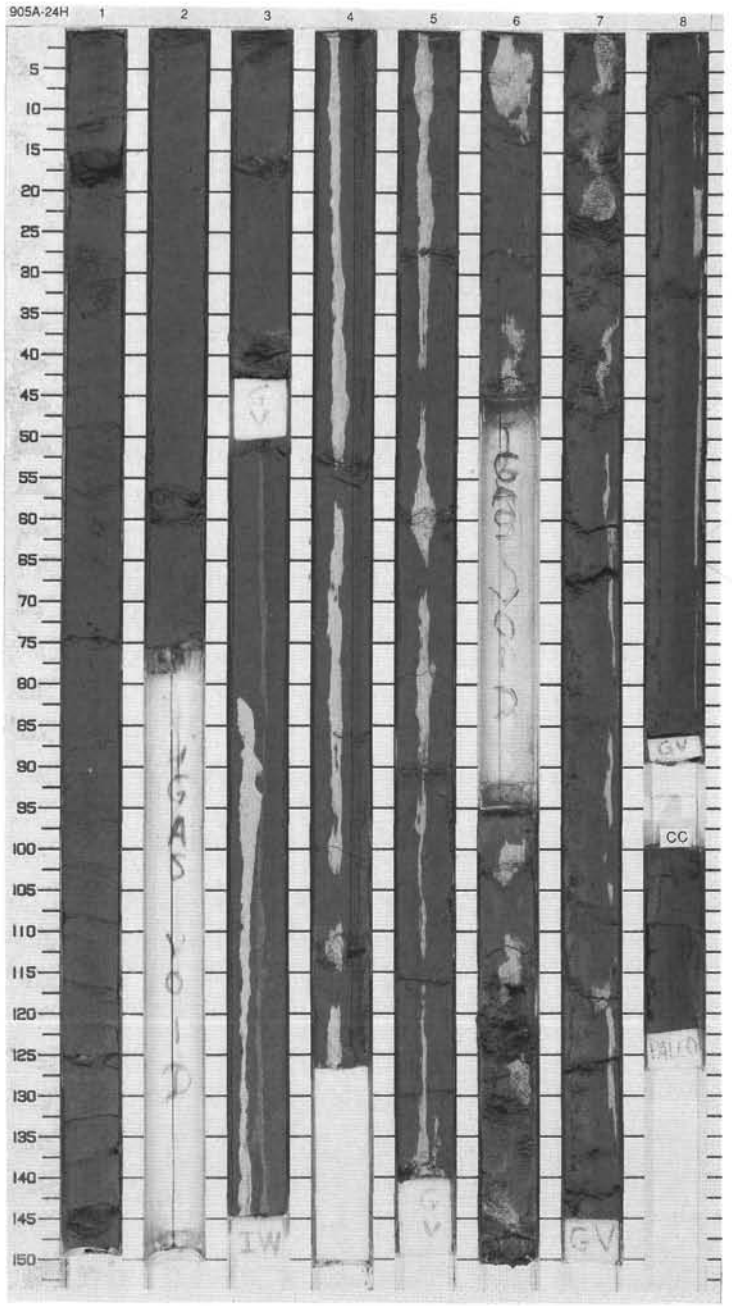
SITE 905 HOLE A CORE 23H CORED 195.7 - 201.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1 2 CC	early Pleistocene			S P D P M	N4 To N5	SILTY CLAY Major Lithology: Gray to dark gray SILTY CLAY with discordant, steeply dipping beds which show flowage. Some disseminated very fine- to medium-sized quartz sand. Rare gray mud clasts and a single white chalk clast (which is deformed). Gas microfractures at the top of Section 1.



SITE 905 HOLE A CORE 24H CORED 201.5 - 211.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–11		1	early Pleistocene			S P D	N4 To N5	SILTY CLAY Major Lithology: Gray SILTY CLAY with discordant, dipping contacts which appear to be contorted beds. Disseminated fine- to medium-sized quartz sand grains. Gray mud clasts and rare white nannofossil chalk clasts. General Description: NOTE: Flow-in from approximately 45 cm in Section 2 to base of core. Flow-in contains numerous deformed and flowed white nannofossil chalk and gray mud clasts.
		2				P		
	Void							
		3						
	Void							
		4				I		
	Void							
		5						
		6						
	Void							
		7						
		8						
		CC				M		

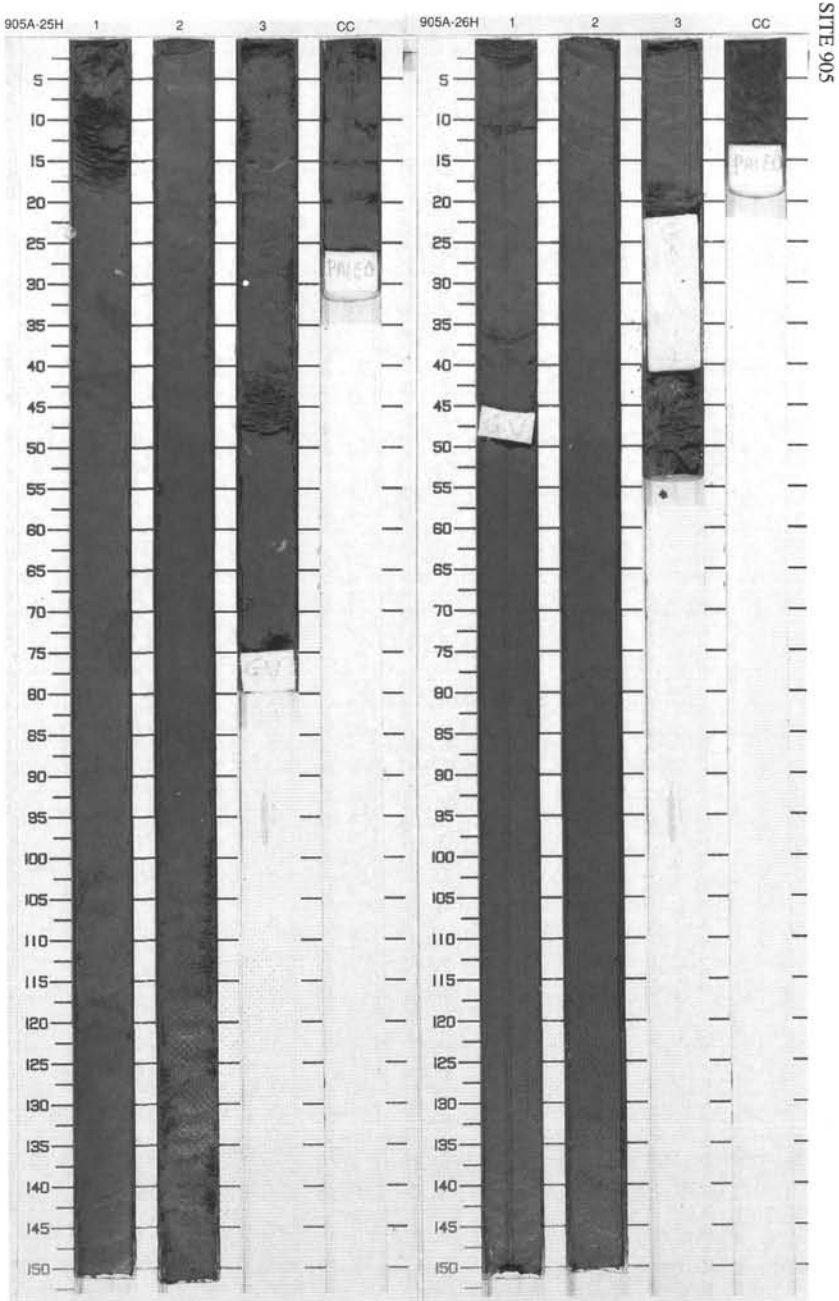


SITE 905 HOLE A CORE 25H — CORED 211.0 - 215.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–4		1, 2, 3, CC	early Pleistocene		W, W --, W	S, P, S, P, P, D	N4 To N5; N5; 10Y 5/1; N5	SILTY CLAY Major Lithology: Gray to dark gray homogeneous SILTY CLAY, which contains disseminated fine- to medium-sized quartz and minor glauconite sand from top to 120 cm in Section 1. Contorted and discordant, dipping beds are present along with gray mud clasts and a few white nannofossil chalk clasts. General Description: NOTE: CC is flow-in.

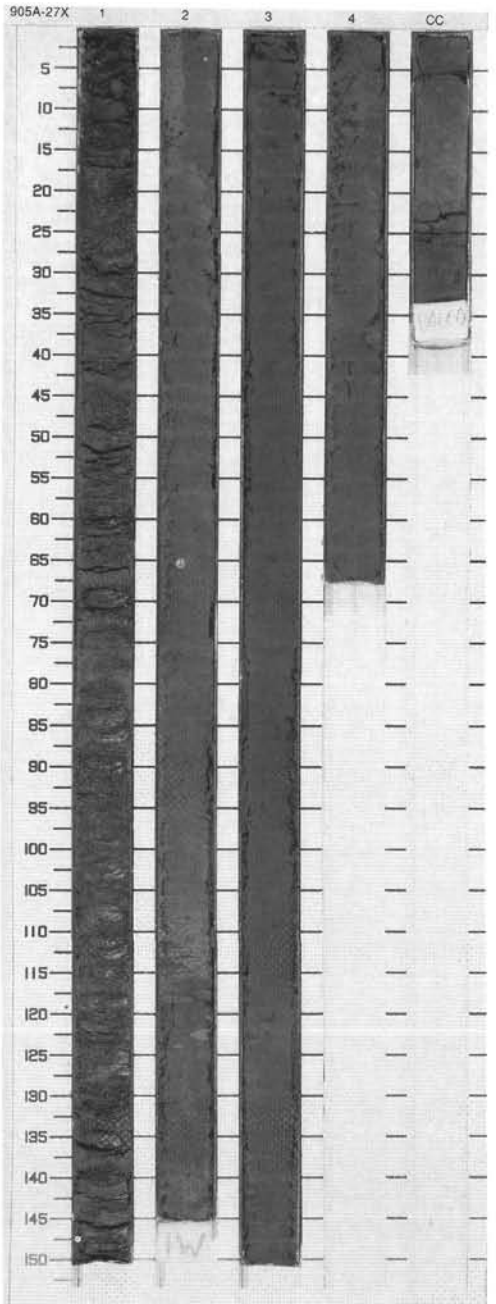
SITE 905 HOLE A CORE 26H — CORED 215.0 - 219.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–3	Void	1, 2, 3, CC	late Pliocene-early Pleistocene		—, W	S, P, S, D, P, S M	5GY 4/1; 5GY 5/1 To N4; 5GY 5/1; N4; 5GY 4/1	SILTY CLAY Major Lithology: Dark greenish gray homogeneous SILTY CLAY. CC consists of dark gray CLAYEY SAND with very fine to fine-sized quartz and minor glauconite sand.



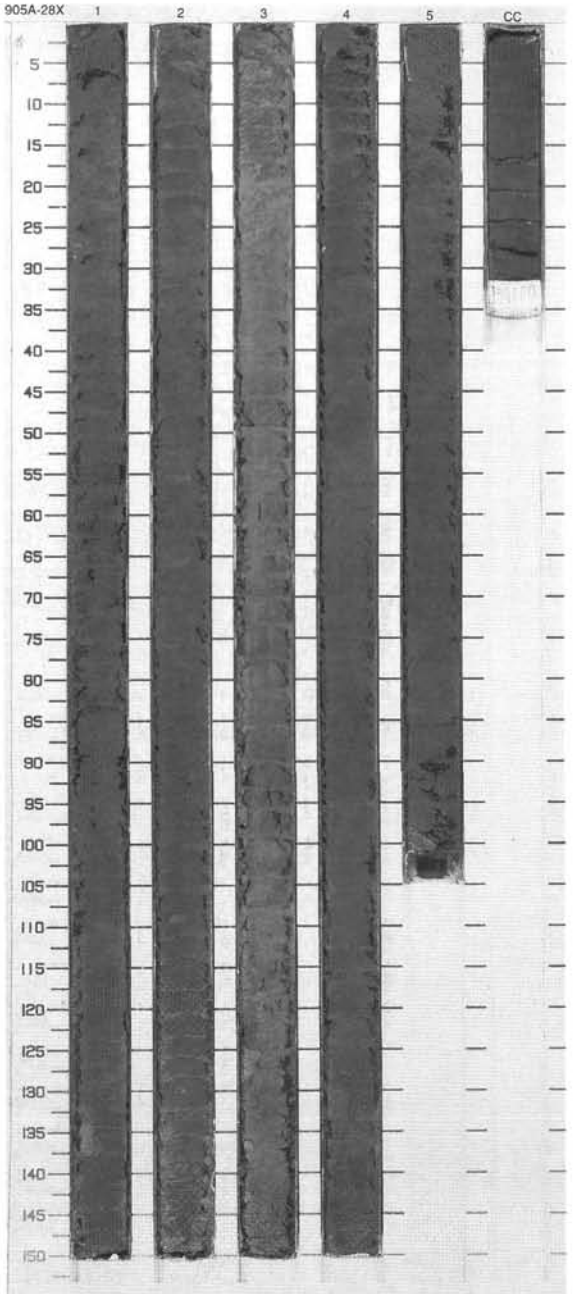
SITE 905 HOLE A CORE 27X CORED 219.0 - 224.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1, 2, 3, 4, CC	late Pliocene-early Pleistocene			S, P, S, S, S, P S D, M S S	5GY 4/1; 5GY 4/1 To 5GY 6/1; 5GY 4/1	SILTY CLAY Major Lithology: Homogeneous, dark greenish gray to gray, moderately to heavily bioturbated SILTY CLAY. Below 110 cm near the base of Section 2, burrows filled with glauconite grains include Planolites and Thalassinoides and occur below a sharp contact corresponding to a color change. Similar features occur in the CC with a sharp contact corresponding to a color change from 5GY 4/1 to 10Y 3/1. Grains of silt and sand-sized glauconite grains and tiny mica flakes are disseminated throughout the core. General Description: NOTE: Drilling "biscuits" throughout the core.



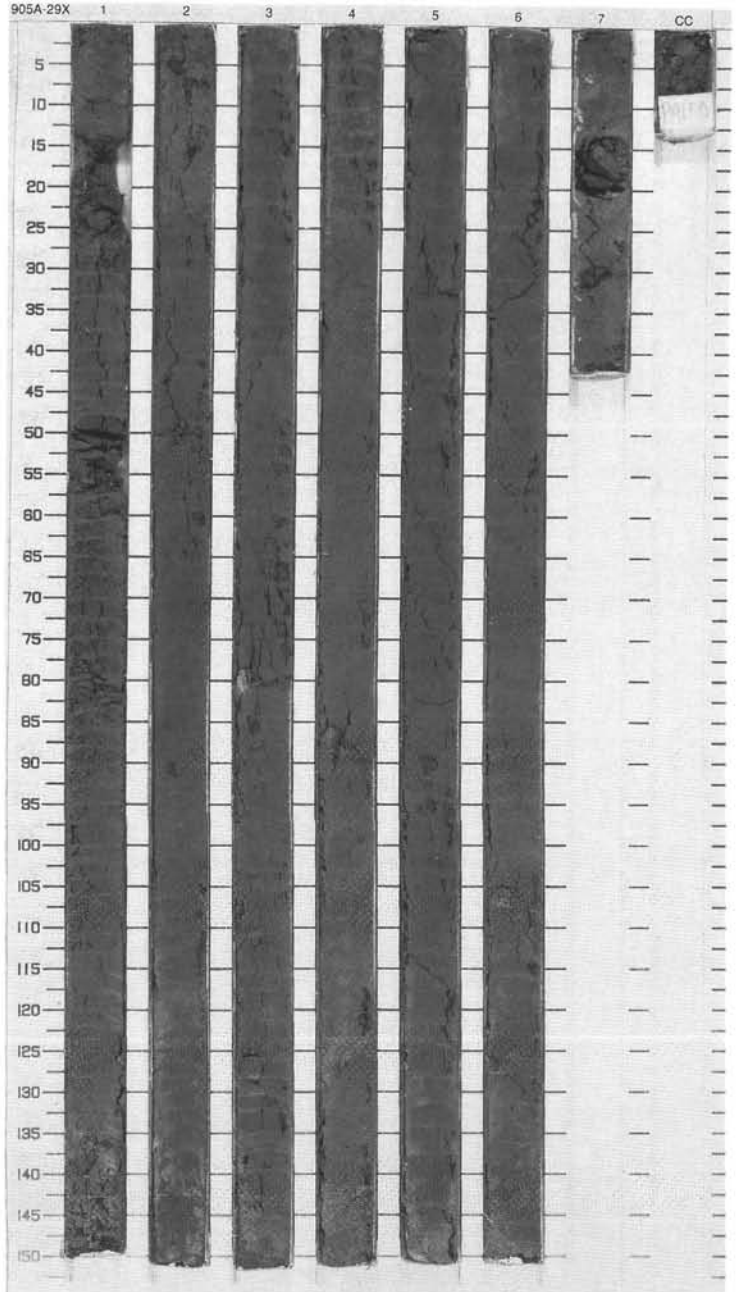
SITE 905 HOLE A CORE 28X CORED 224.0 - 232.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1, 2, 3, 4, 5, CC	late Pliocene-early Pleistocene			S, P, S, P D, S, P M	10Y 3/1	SILTY CLAY Major Lithology: Homogeneous greenish gray, slightly bioturbated SILTY CLAY. Minor amounts of glauconite grains are disseminated throughout the core. General Description: NOTE: Drilling "biscuits" throughout the core.



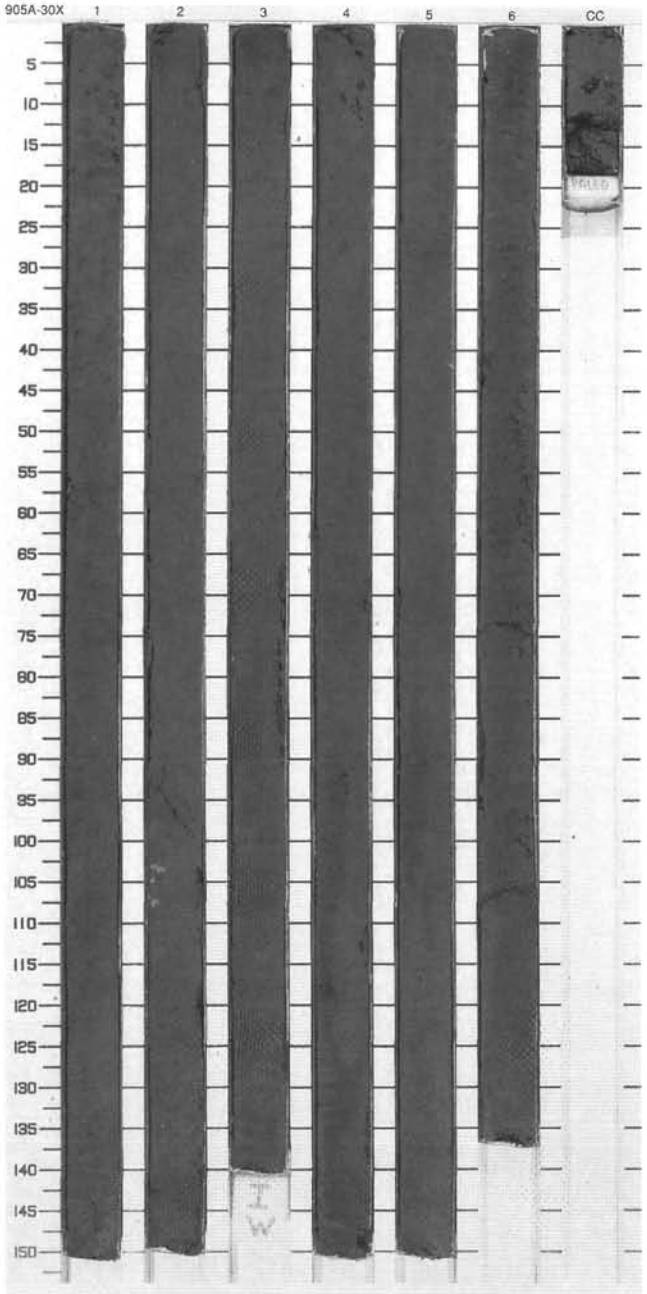
SITE 905 HOLE A CORE 29X CORED 232.4 - 242.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Pliocene	G		S, P, S, P D, S, P, M S	10Y 3/1	SILTY CLAY Major Lithology: Homogeneous, greenish gray, slightly bioturbated SILTY CLAY with rare tiny shell fragments. Minor amounts of disseminated silt-sized glauconite grains occur from the top of Section 5 down to 30 cm. General Description: Note: Drilling "biscuits" throughout the core.



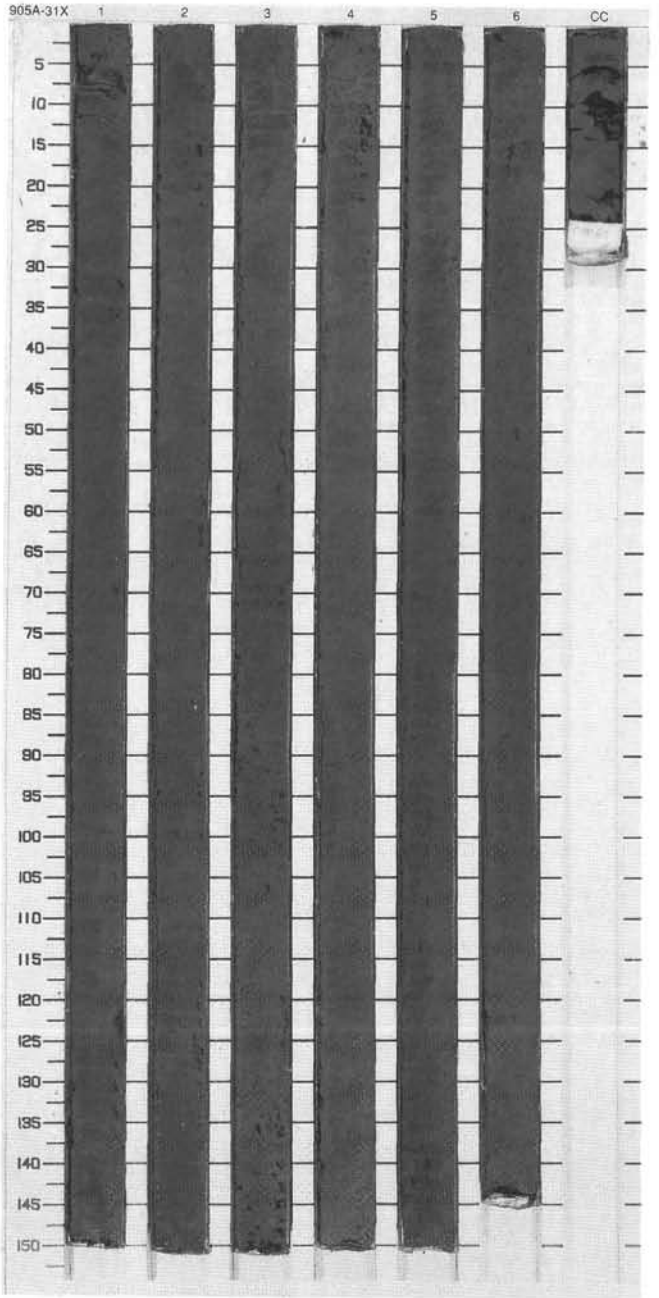
SITE 905 HOLE A CORE 30X CORED 242.0 - 251.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1, 2, 3, 4, 5, 6, CC	Pliocene			S, P, S, S, P, D, I, P, M, S	10Y 3/1	SILTY CLAY Major Lithology: Homogeneous, dark greenish gray, slightly bioturbated SILTY CLAY with rare disseminated silt-sized glauconite grains in Sections 1, 2, 3, 6, and CC. General Description: NOTE: Drilling "biscuits" throughout the core.



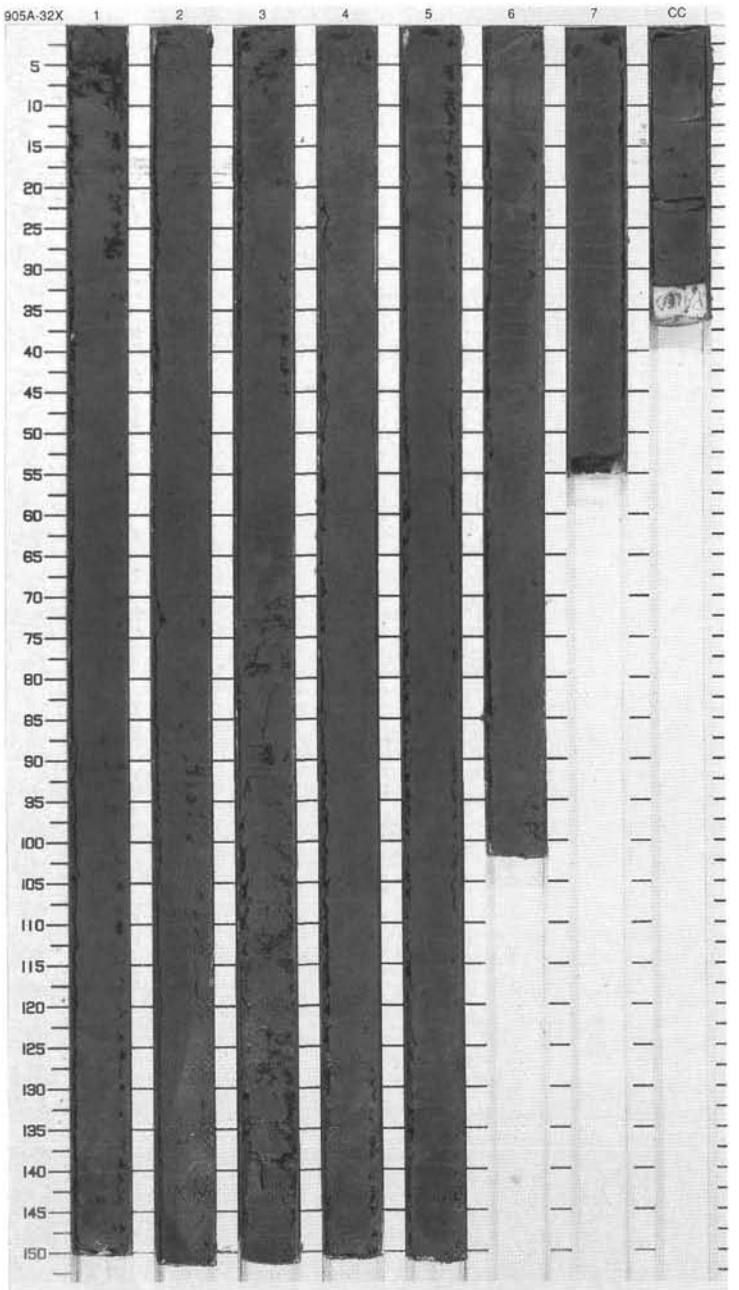
SITE 905 HOLE A CORE 31X CORED 251.7 - 261.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1, 2, 3, 4, 5, 6, CC	Pliocene			S, P, S, S, P D, S, P, M	10Y 3/1	SILTY CLAY Major Lithology: *Homogeneous, slightly bioturbated,* dark greenish gray SILTY CLAY with rare small shell fragments. General Description: NOTE: Drilling "biscuits" throughout the core.



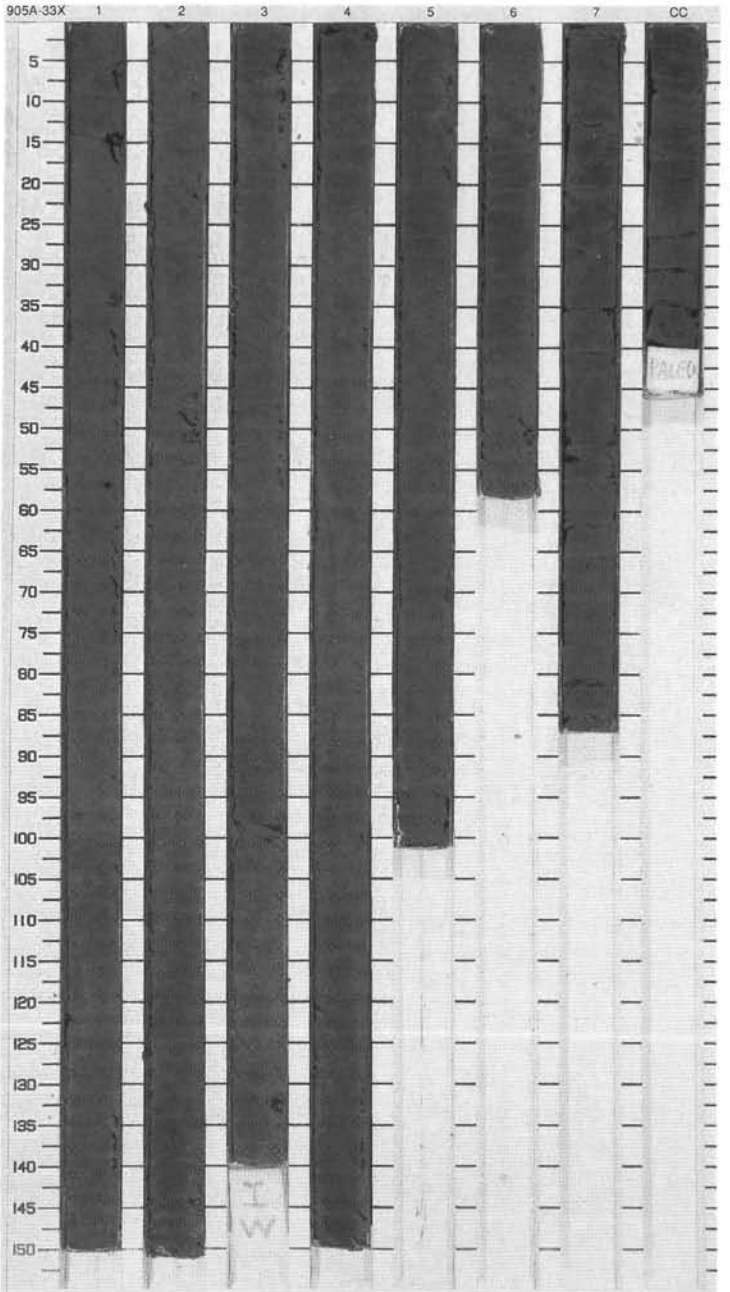
SITE 905 HOLE A CORE 32X CORED 261.3 - 271.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	Pliocene			S, P, S, P D, S, S, P, M	10Y 3/1	SILTY CLAY Major Lithology: Homogeneous, slightly bioturbated, dark greenish gray SILTY CLAY with rare shell fragments. Planolites are common at the base of Section 3 and in Sections 4 and 6. Foraminifers are abundant in Section 6. General Description: NOTE: Drilling "biscuits" throughout the core.



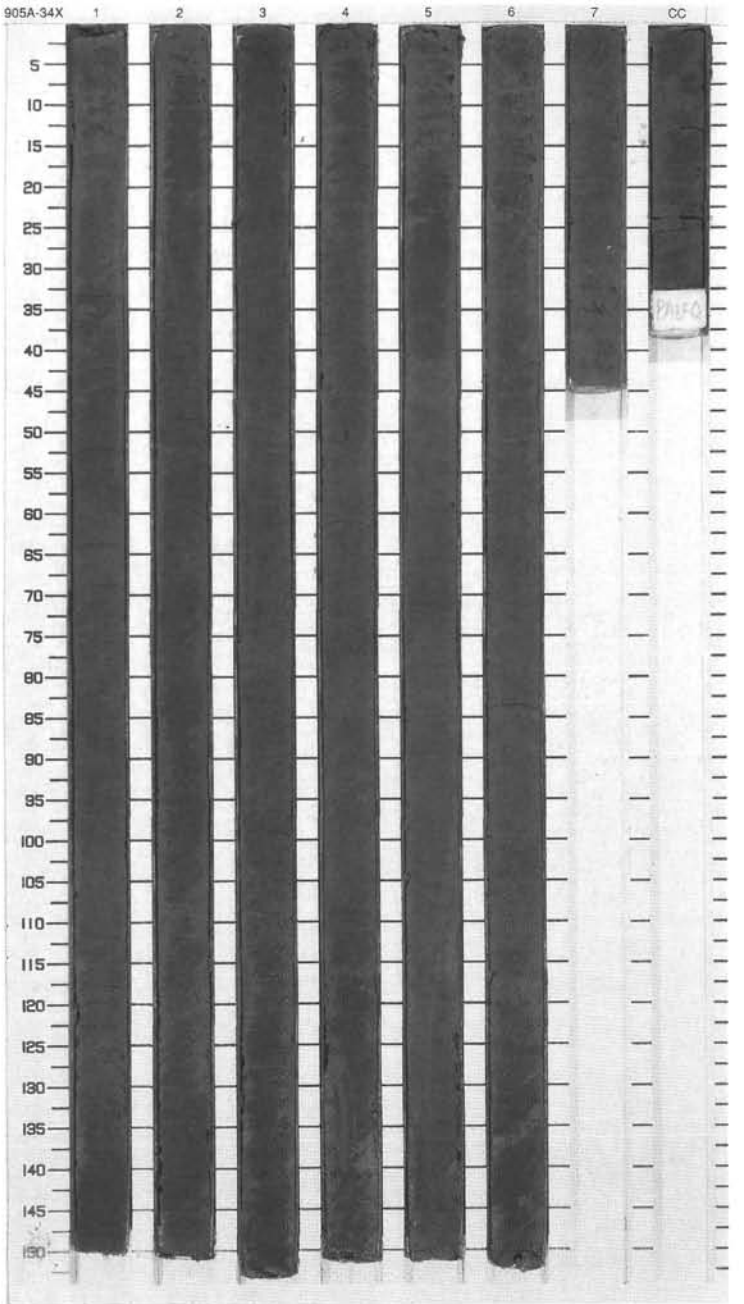
SITE 905 HOLE A CORE 33X CORED 271.0 - 280.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–7, CC	Pliocene			S, P, S, P D, I, S, P, M	10Y 3/1	SILTY CLAY Major Lithology: Homogeneous, rarely bioturbated, dark greenish gray SILTY CLAY. Planolites occurs in Section 4. General Description: NOTE: Drilling "biscuits" throughout the core.



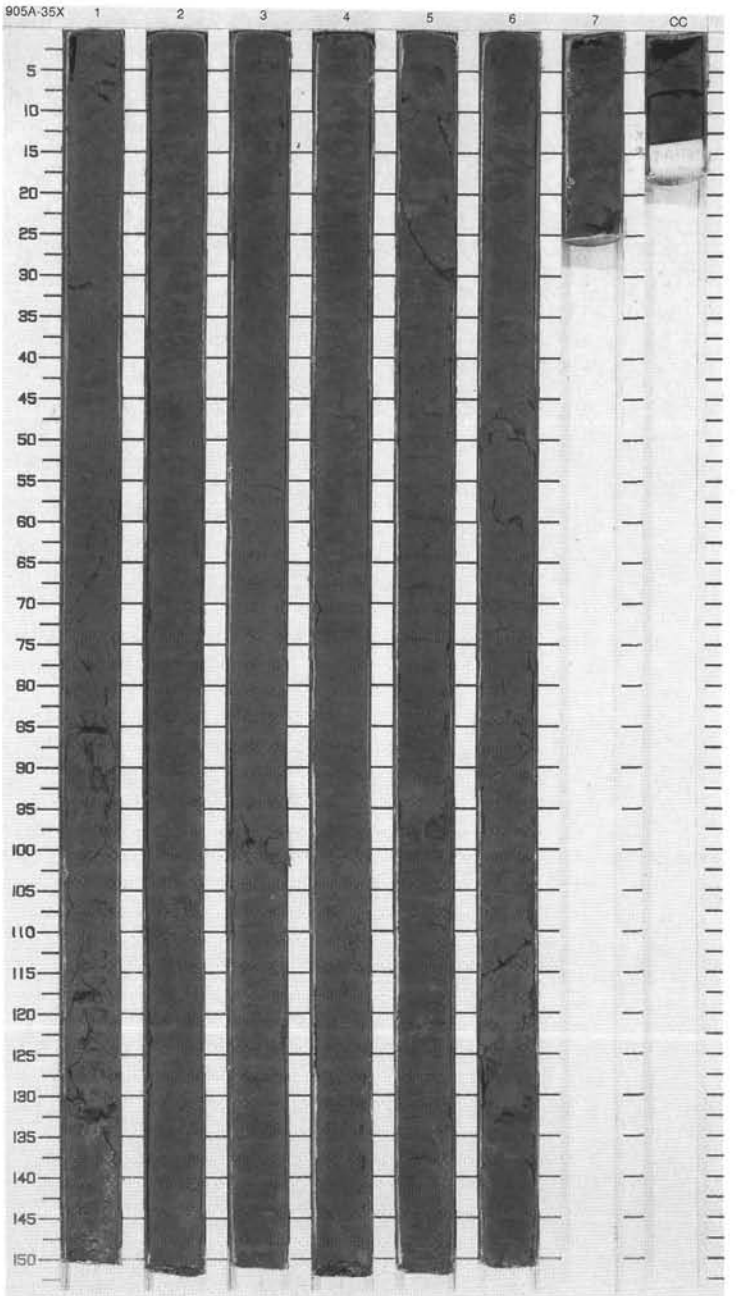
SITE 905 HOLE A CORE 34X CORED 280.6 - 290.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pliocene			S P	5Y 4/1 To 5Y 3/1	SILTY CLAY Major Lithology: Homogeneous dark gray to very dark gray SILTY CLAY, which is heavily bioturbated. Burrows filled with very dark gray sediment commonly occur in the upper portion of the dark gray SILTY CLAY interval. Below such a burrow dominant zone, distinct burrows are very rare. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.
							5Y 4/1	
		2				S	5Y 4/1 To 5Y 3/1	
							5Y 4/1	
							5Y 3/1	
		3				S D P	5Y 4/1 To 5Y 3/1	
		4				S		
							5Y 4/1	
		5				S P	5Y 3/1	
							5Y 4/1	
						S	5Y 3/1	
		6					5Y 4/1	
		7				S	5Y 4/1 To 5Y 3/1	
		CC				S M		



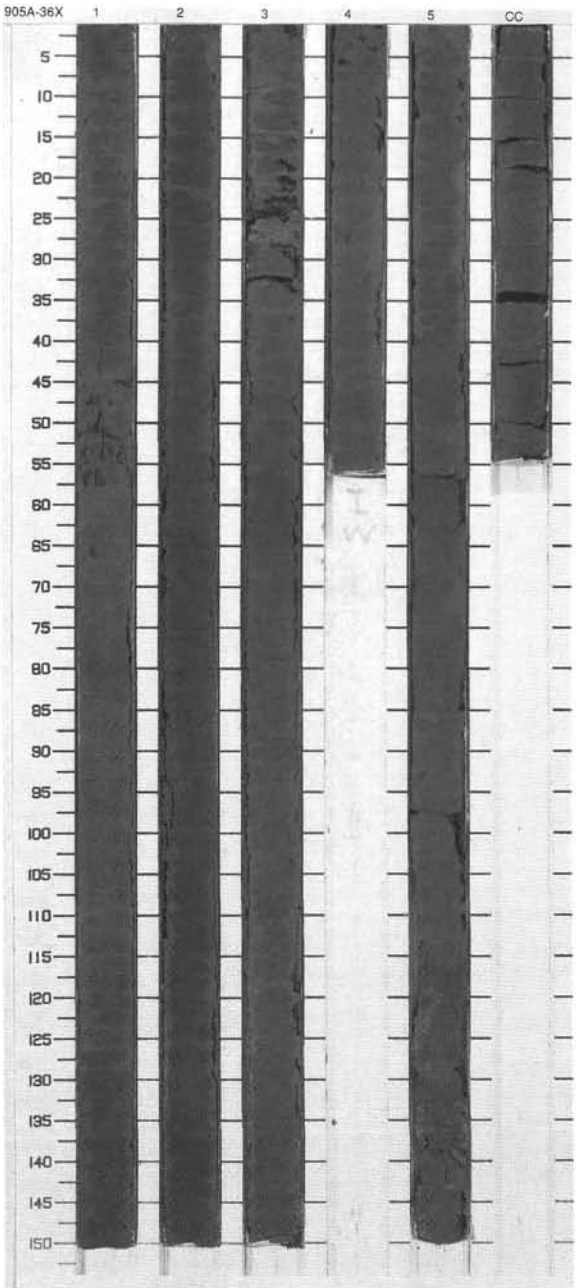
SITE 905 HOLE A CORE 35X CORED 290.2 - 299.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	Pliocene			S P	5Y 4/1 To 5Y 3/1	SILTY CLAY Major Lithology: Alternation of very dark gray and dark gray, homogeneous SILTY CLAY. Heavily bioturbated with distinct burrows filled with lighter colored sediments in the transitional zones from the lighter colored to darker colored zones. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.
		2				S	5Y 4/1	
		3				S P D	5Y 4/1 To 5Y 3/1 5Y 4/1	
		4				S	5Y 3/1 To 5Y 4/1	
		5				S P	5Y 4/1	
		6				S	5Y 4/1 To 5Y 3/1	
		7 CC				S M	5Y 3/1	



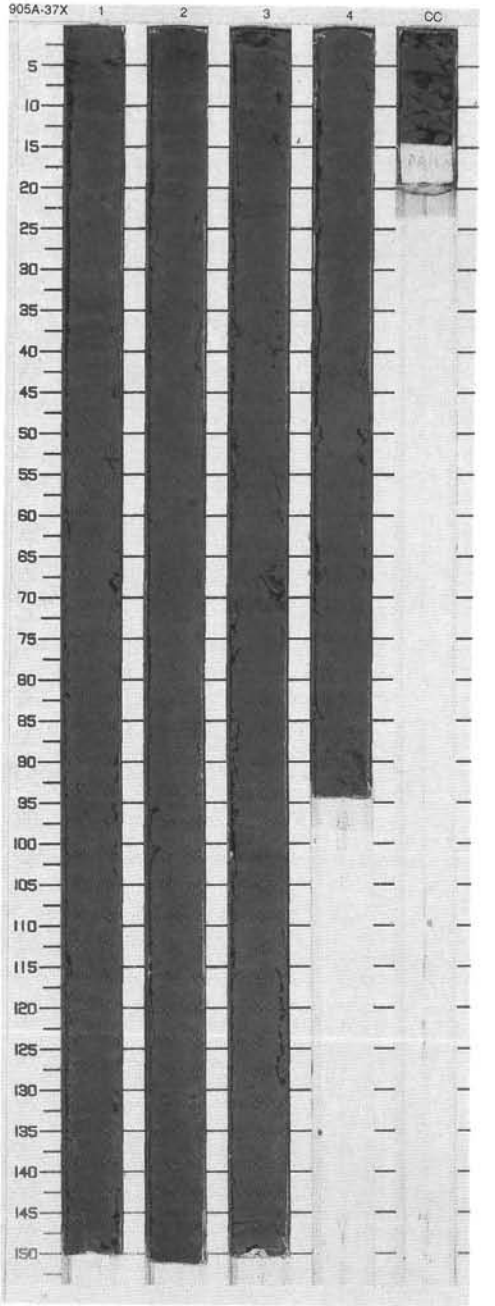
SITE 905 HOLE A CORE 36X CORED 299.6 - 308.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pliocene			S	10Y 3/1 To N4	SILTY CLAY Major Lithology: Dark gray to very dark gray, heavily bioturbated SILTY CLAY consists of lighter color, heavily bioturbated interval with distinct burrows and darker color, homogeneous interval with minor burrows. Burrows include small (1–2 mm in diameter) Chondrites, Planolites, and Thalassinoides. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.
						P		
2		2				S	10Y 3/1	
						P	N4	
							10Y 3/1	
3		3				S	10Y 3/1 To 10Y 4/1	
						D	N4	
4		4	late Miocene			S P		
5						I	10Y 3/1 To 10Y 4/1	
		5				S		
6								
7		CC				S M		



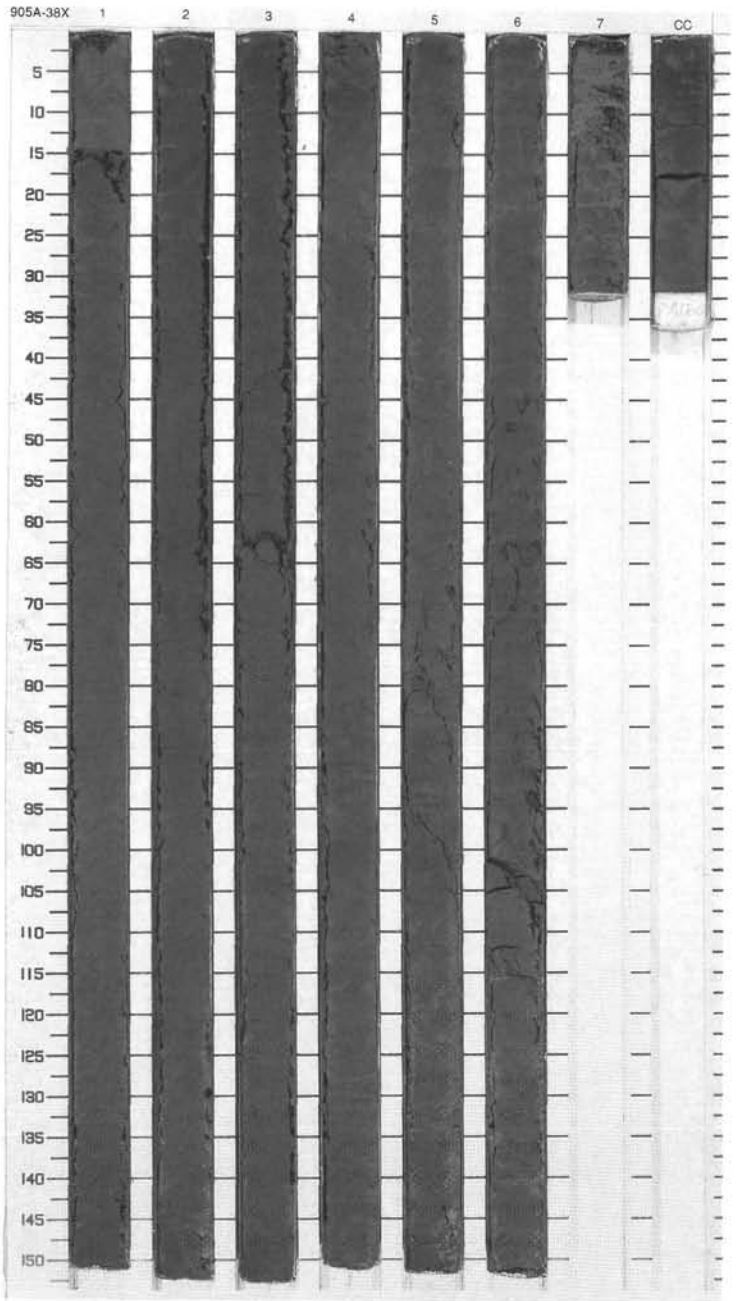
SITE 905 HOLE A CORE 37X CORED 308.9 - 318.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1, 2, 3, 4, CC	late Miocene			S, P, S, S, S, P D, S, P S M	10Y 3/1	SILTY CLAY Major Lithology: Dark greenish gray, homogeneous SILTY CLAY. Planolites occur. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



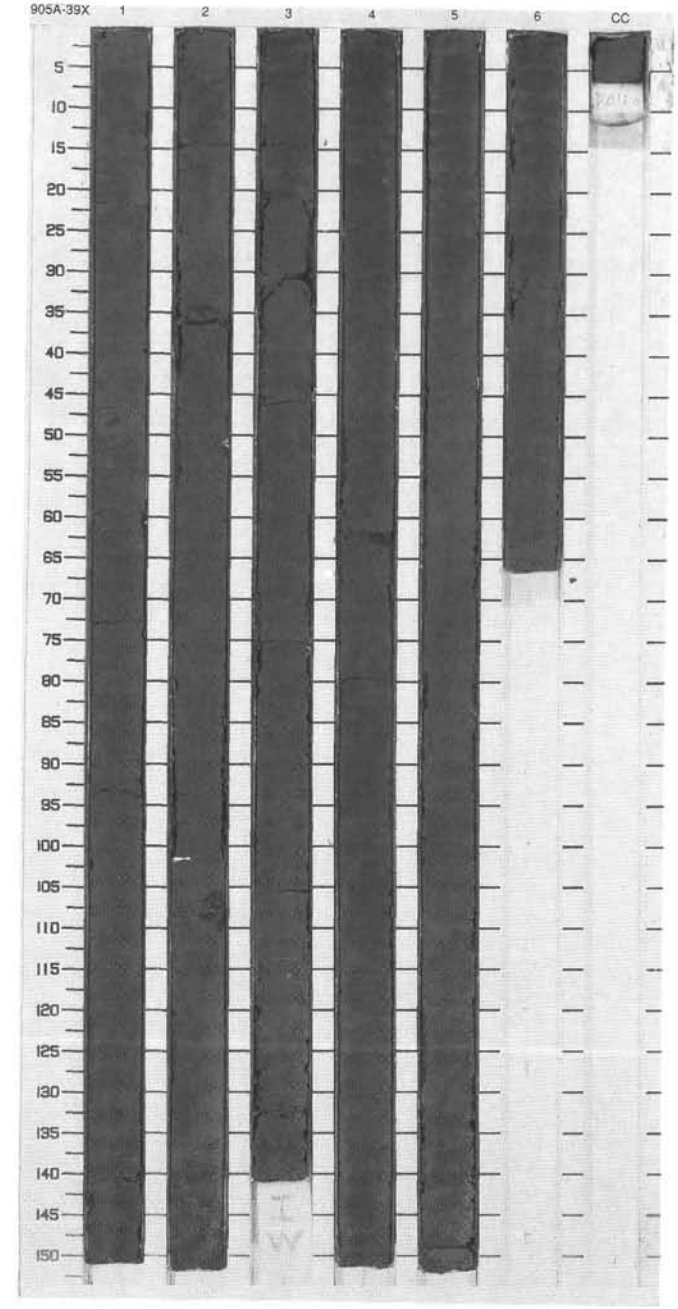
SITE 905 HOLE A CORE 38X CORED 318.3 - 327.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–6, 7, CC	late Miocene			S, P, S, S, P D, S, S, P, M	10Y 3/1	SILTY CLAY Major Lithology: Homogeneous, dark greenish gray, slightly bioturbated, SILTY CLAY. *Planolites* is common in Section 1 and Zoophycos is common in the lower half of Section 4. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.

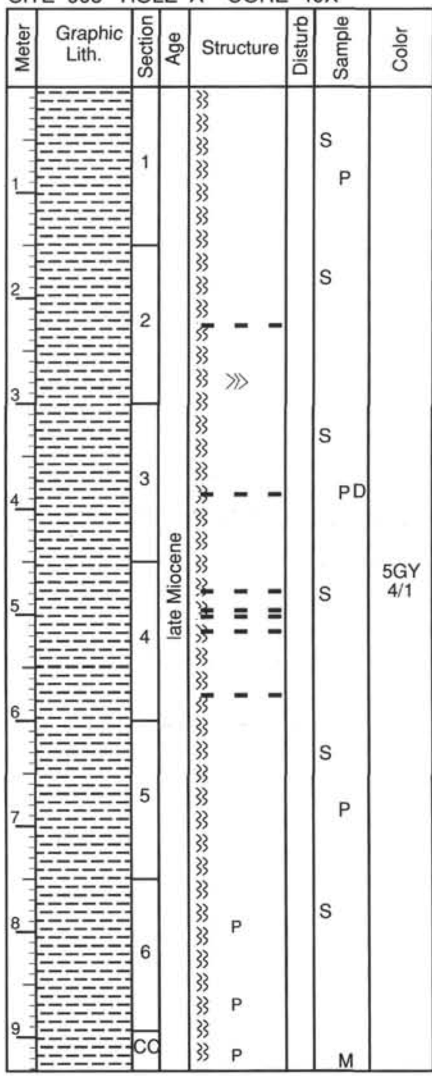


SITE 905 HOLE A CORE 39X CORED 327.7 - 337.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	late Miocene			P, S, D, I, M	5GY 4/1; 5GY 5/1; 5GY 4/1	SILTY CLAY Major Lithology: Homogeneous greenish gray, slightly to moderately bioturbated SILTY CLAY. Burrows include Chondrites in Sections 1, 4, and 5; ?Zoophycos in Section 3; Planolites in Sections 4, 5, and 6; and Thalassinoides in Sections 4 and 5. Foraminifers scattered throughout Sections 1, 4, 5, and 6. Slightly darker zones occur in Section 1 (46–52 cm) and in Section 2 (30–60 and 90–100 cm). *Pyrite-filled burrows* occur in Section 2, 3, and 4 and fragmental pyrite in Section 4. *General Description:* NOTE: Extensive drilling "biscuit" formation throughout core.



SITE 905 HOLE A CORE 40X CORED 337.3 - 347.0 mbsf

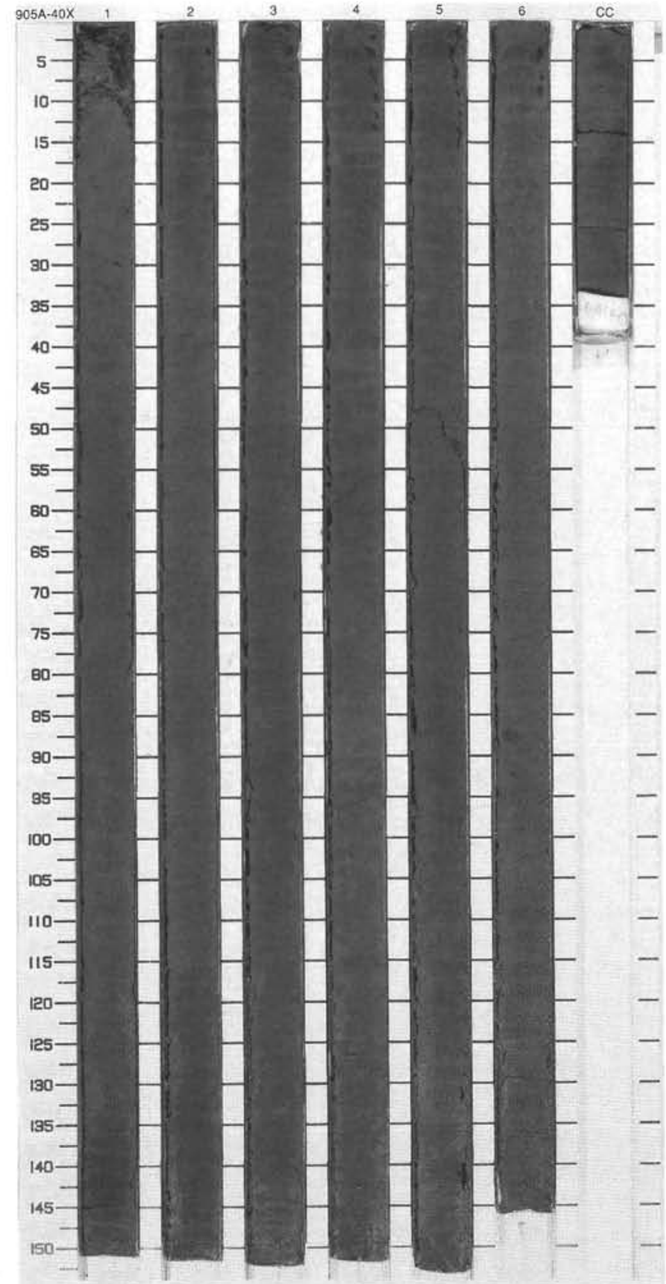


Description

SILTY CLAY

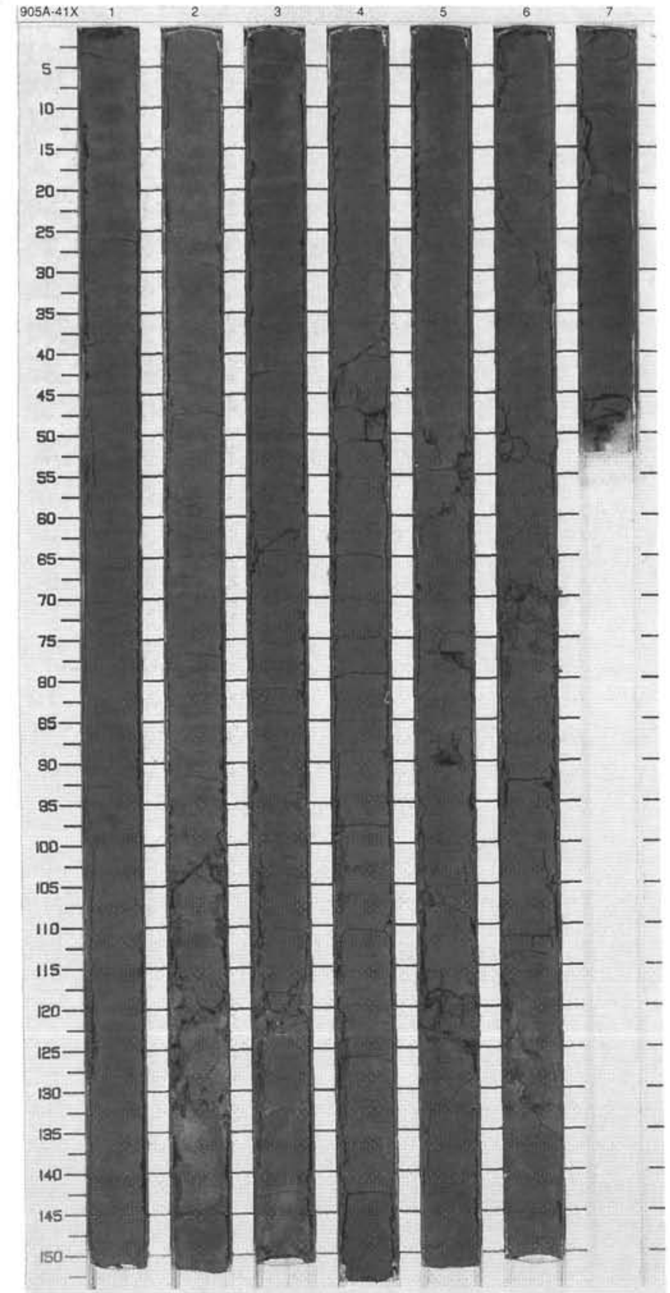
Major Lithology:
Homogeneous greenish gray, moderately bioturbated SILTY CLAY with approximately 1% foraminifers. Scattered silt-sized glauconite in Section 1. Slightly lighter gray green in the upper halves of Sections 1 and 2 and in Section 3 (0–110 cm). Planolites in Sections 1, 2, 3, and 4. Pyrite-filled burrows in Section 6 and CC.

General Description:
NOTE: Extensive drilling "biscuit" formation throughout core.



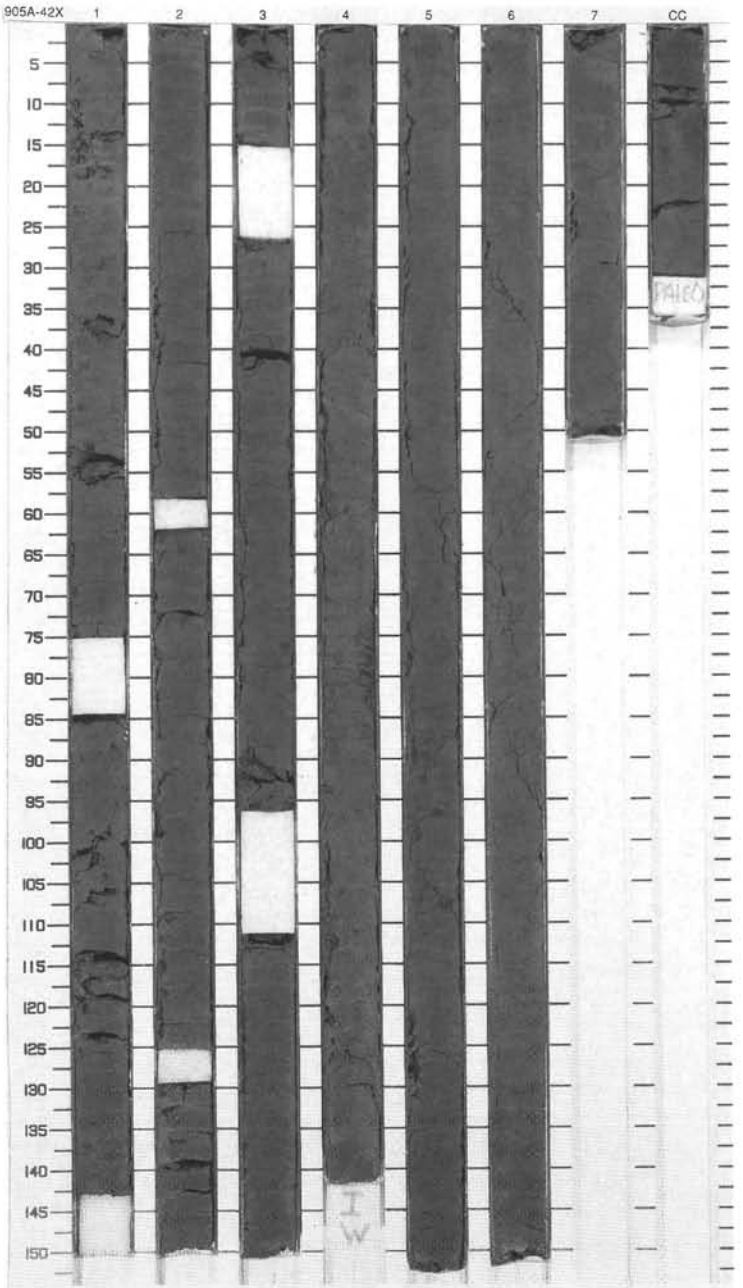
SITE 905 HOLE A CORE 41X CORED 347.0 - 356.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Miocene	P P P P		S P	5Y 4/1 To 5GY 4/1	SILTY CLAY Major Lithology: Dark gray to greenish gray, heavily bioturbated SILTY CLAY with common foraminifers. Alternation between darker and lighter shaded zones, and rarely banded zones in Section 3. Disseminated pyrite occurs in Sections 1, 3, and 4. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.
2		2				S	5GY 4/1	
3, 4		3		P P		S P D	5GY 4/1 To N4; 5GY 4/1	
5, 6		4		P		S	5GY 4/1 To 5GY 5/1	
7		5				S P	5GY 4/1 To 5Y 4/1	
8		6				S	5Y 4/1	
9		7				M	5GY 5/1	
		CC						



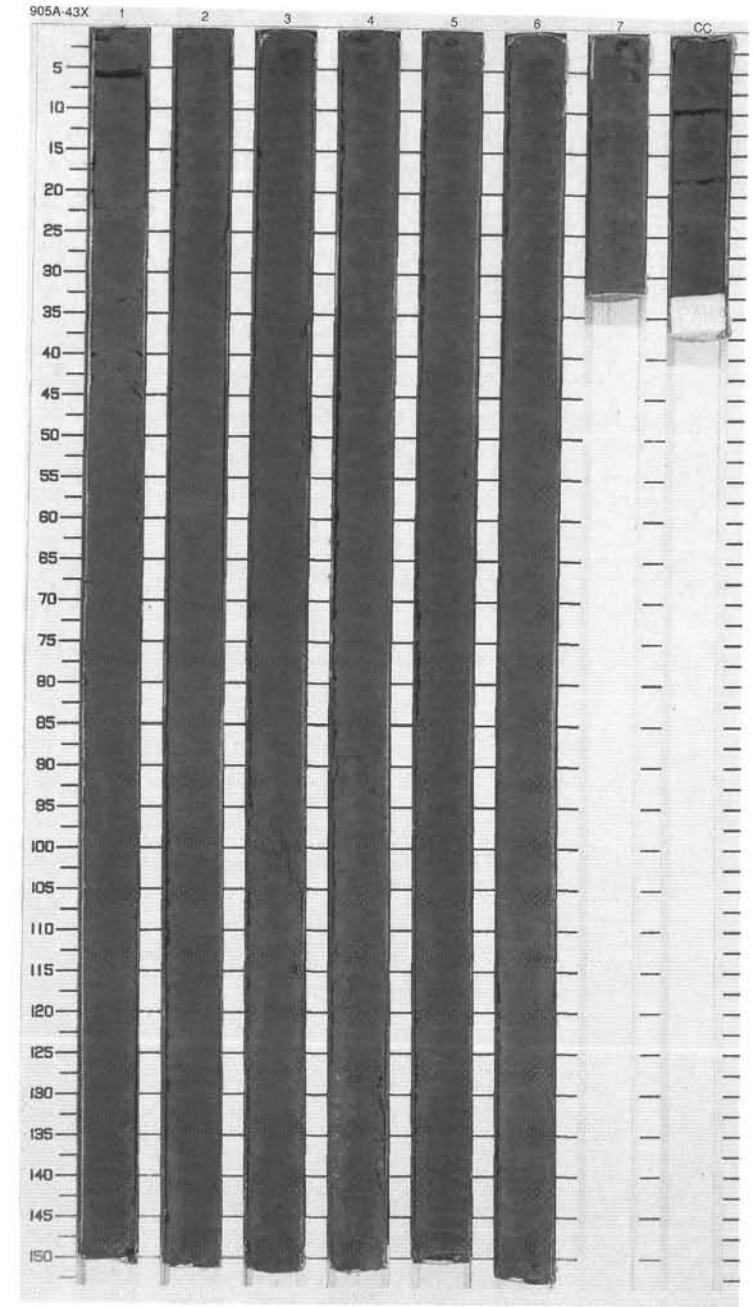
SITE 905 HOLE A CORE 42X CORED 356.6 - 366.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene			P S	5Y 4/1	DIATOMACEOUS SILTY CLAY and CLAYEY SILT Major Lithologies: Homogeneous greenish gray DIATOMACEOUS SILTY CLAY and SILTY CLAY. Smear slides show 10%–20% of diatoms and sponge spicules are also abundant. Bioturbation common. Diffuse, cream colored (5Y 5/1), siderite-cemented bands occur in Sections 2, 3, and 5. Burrows crosscut these cream-colored bands. Minor Lithologies: SANDY SILT and CLAYEY SILT. A more sandy layer with heterogeneous particle size occurs in Section 1.
		2						
		3				P		
		4						
		5				D P		
		6				W		
		7						
		CC				M		



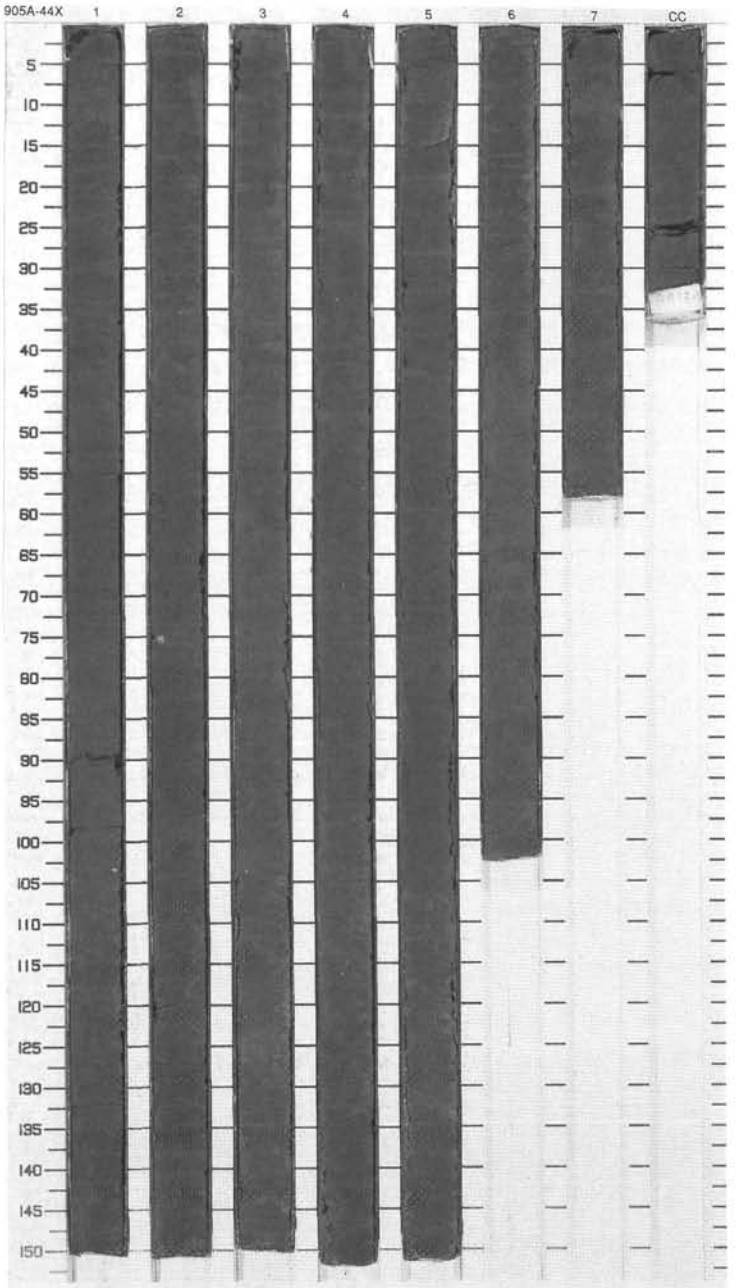
SITE 905 HOLE A CORE 43X CORED 366.2 - 375.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene			S, P, S, S, P D, S, S, P, S, S, M	10Y 4/1	SILTY CLAY Major Lithology: Moderately bioturbated, greenish gray SILTY CLAY with foraminifers. Burrows include Planolites (base of Sections 1 and 5), rare Zoophycos (base of Section 6) and rare Thalassinoides (Section 2, 96 cm). Some pyritized, mm-scale burrows occur in Sections 2, 6, 7, and CC. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



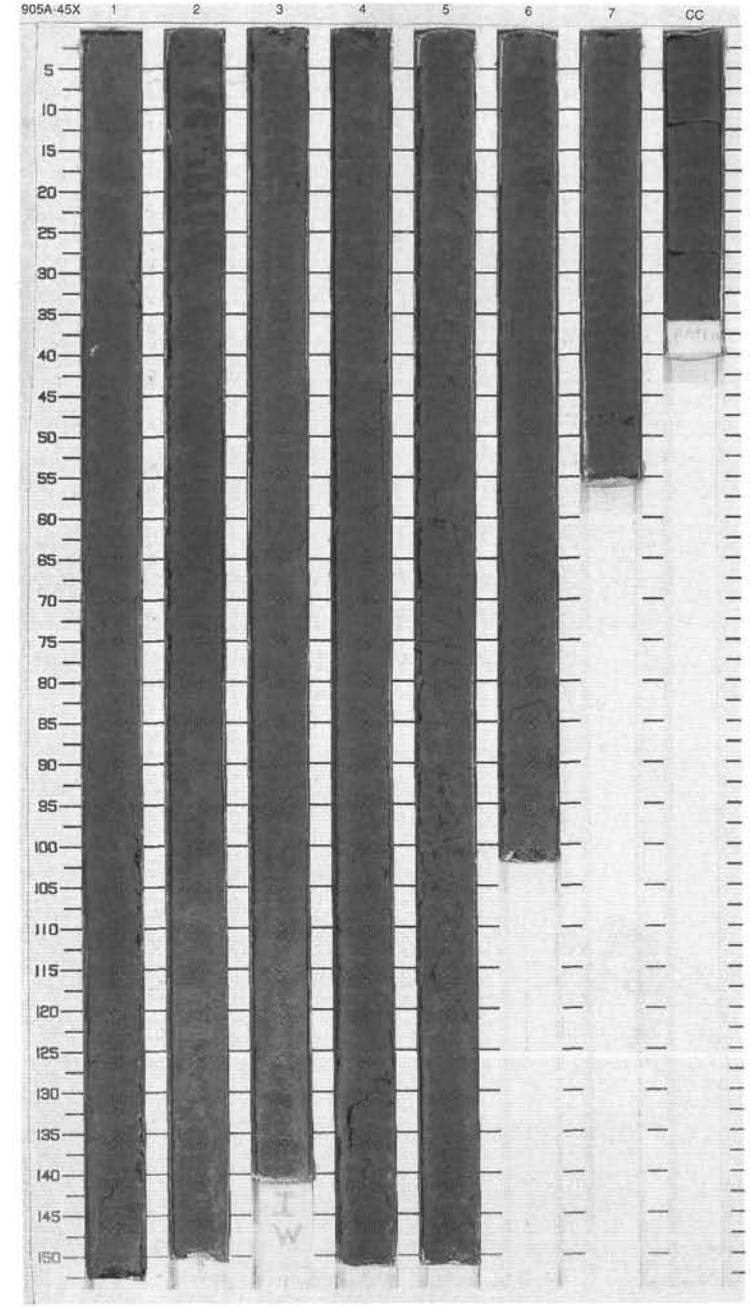
SITE 905 HOLE A CORE 44X CORED 375.9 - 385.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene			S, P, S, S, P D, S, P, S, S, M	10Y 4/1	SILTY CLAY Major Lithology: Slightly to moderately bioturbated, greenish gray SILTY CLAY with scattered foraminifers. Pyrite fills some mm-scale burrows. Trace fossils include Planolites and Chondrites. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



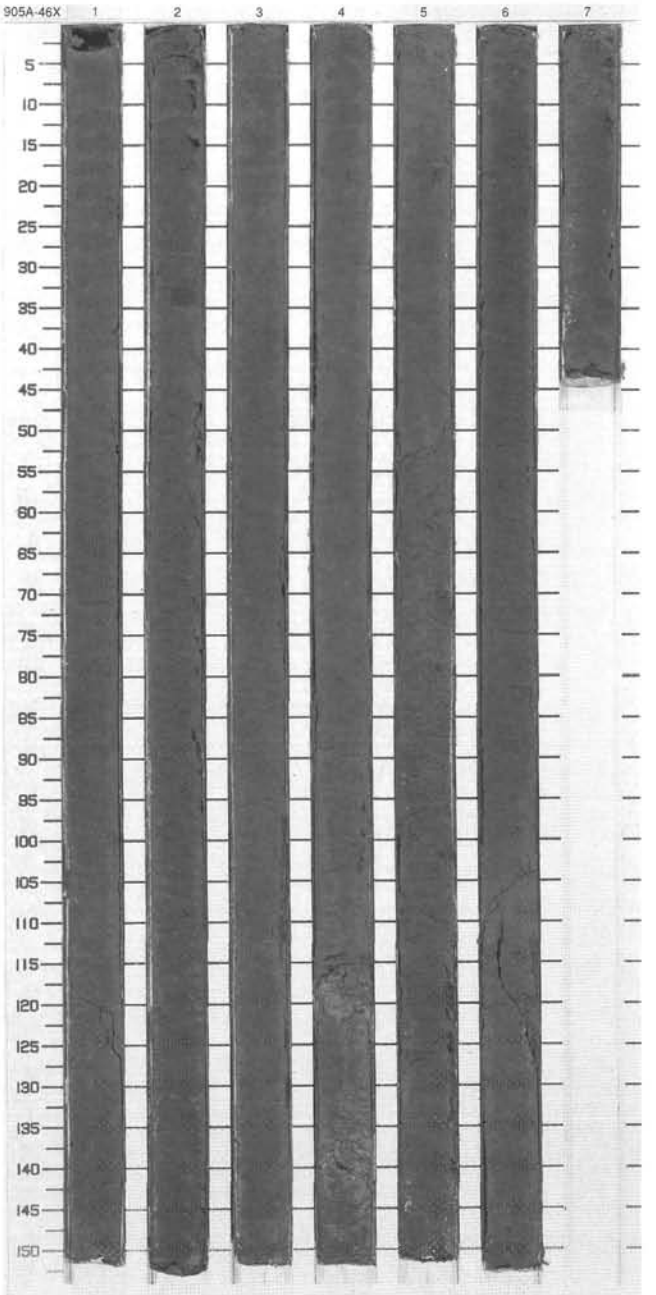
SITE 905 HOLE A CORE 45X CORED 385.5 - 395.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene			S, P, S, S, P D, I S, S, P, S, S, M	10Y 4/1	SILTY CLAY Major Lithology: Slightly bioturbated, greenish gray SILTY CLAY with scattered foraminifers. Chondrites occur in Section 7 and CC. Pyrite occurs in Section 4. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



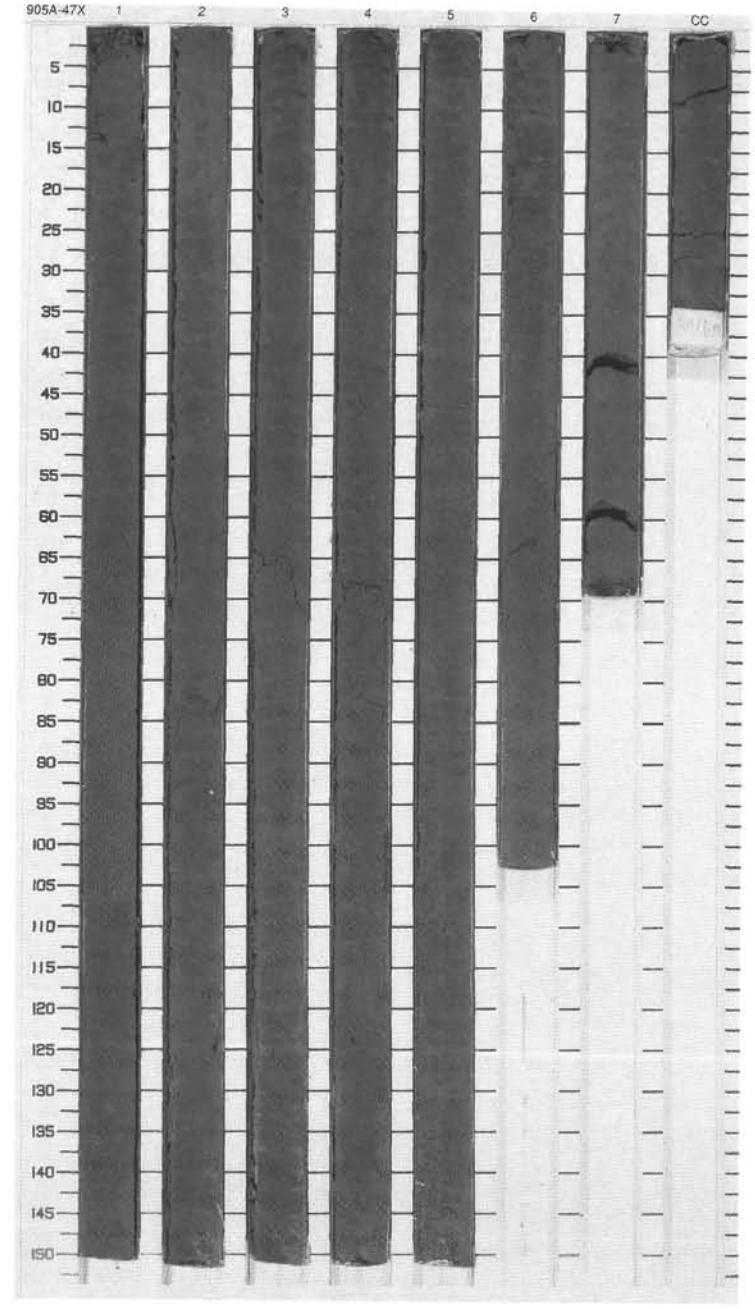
SITE 905 HOLE A CORE 46X CORED 395.2 - 404.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene		W	S, P, D, M	10Y 3/1	SILTY CLAY Major Lithology: Rarely to slightly burrowed, greenish gray SILTY CLAY with abundant foraminifers. Occasionally, pyrite fills burrows. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



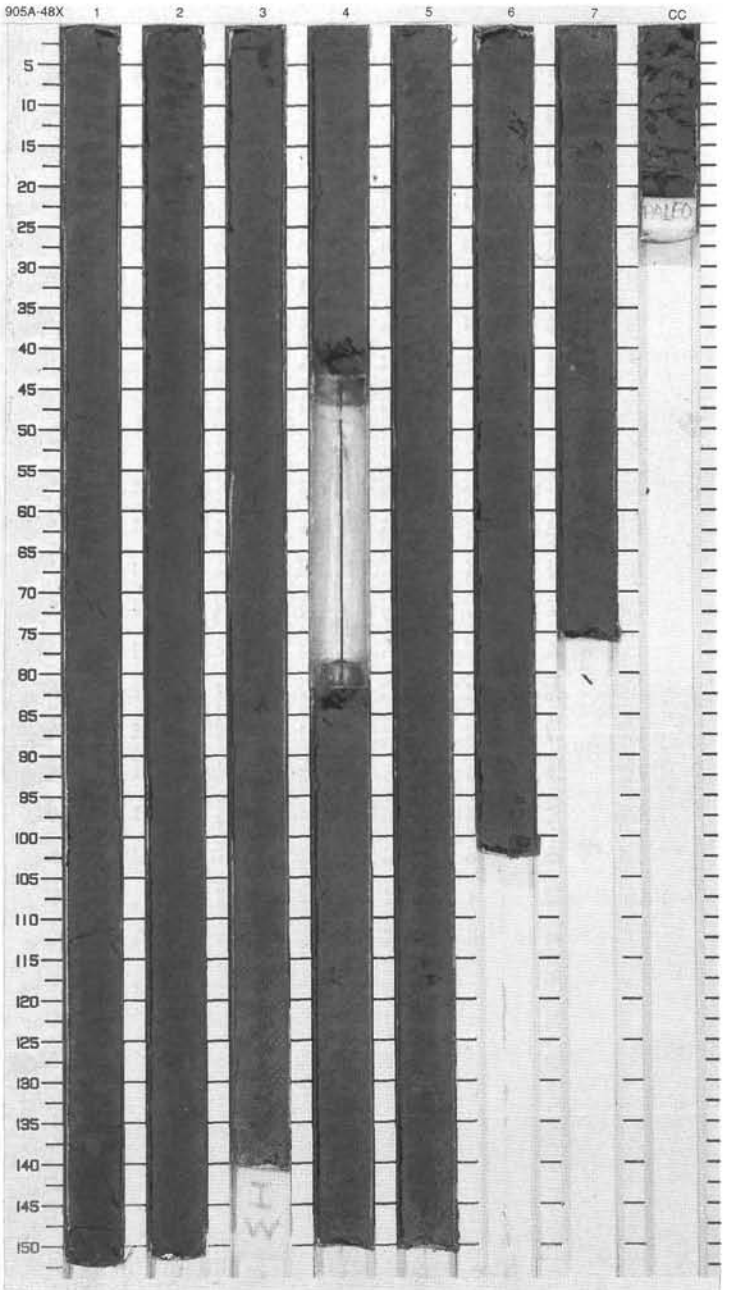
SITE 905 HOLE A CORE 47X CORED 404.8 - 414.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene			S P	10Y 3/1	SILTY CLAY Major Lithology: *Homogeneous dark greenish gray,* slightly bioturbated SILTY CLAY with scattered foraminifers. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.
		2				S		
		3				S P D		
		4				S		
		5				S P		
		6				S		
		7				S		
		CC			M			



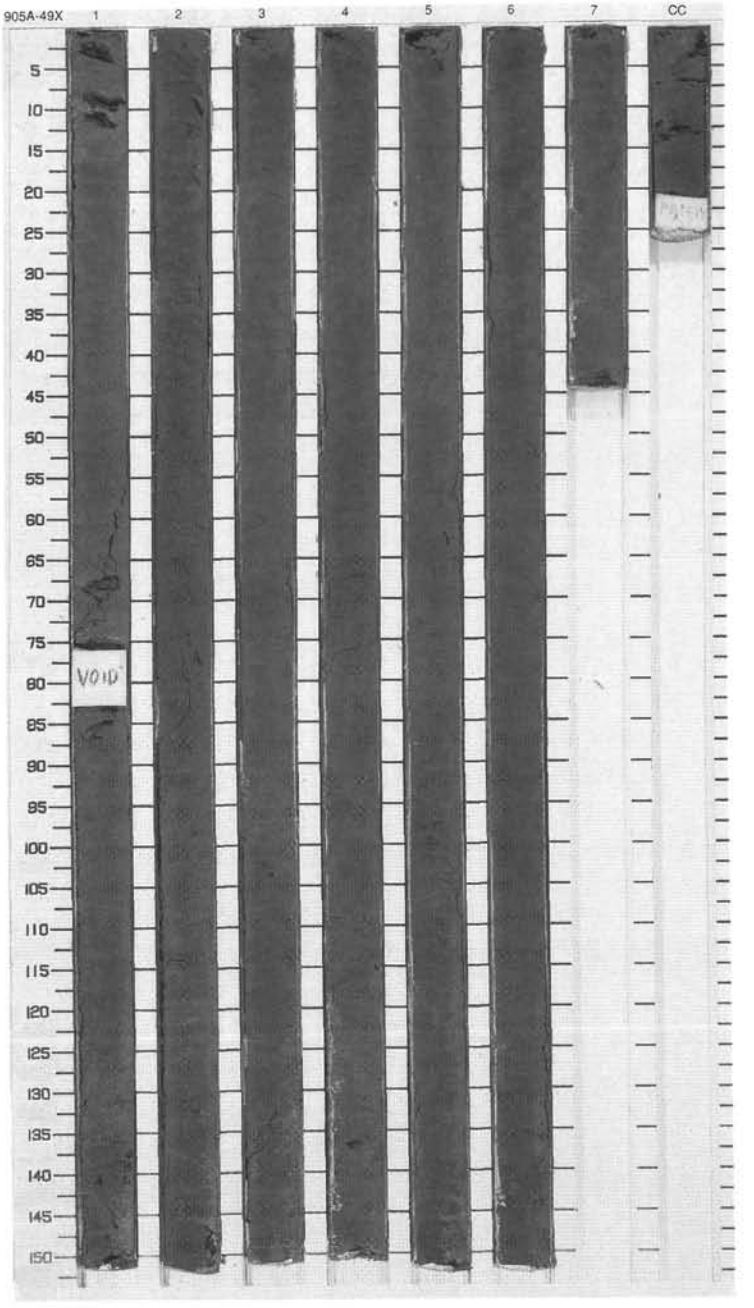
SITE 905 HOLE A CORE 48X CORED 414.5 - 423.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9	Void	1–7, CC	late Miocene			S, P, S, S, P D, I, S, S, P, S, M	10Y 3/1	SILTY CLAY Major Lithology: Homogeneous dark greenish gray SILTY CLAY with abundant foraminifers. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



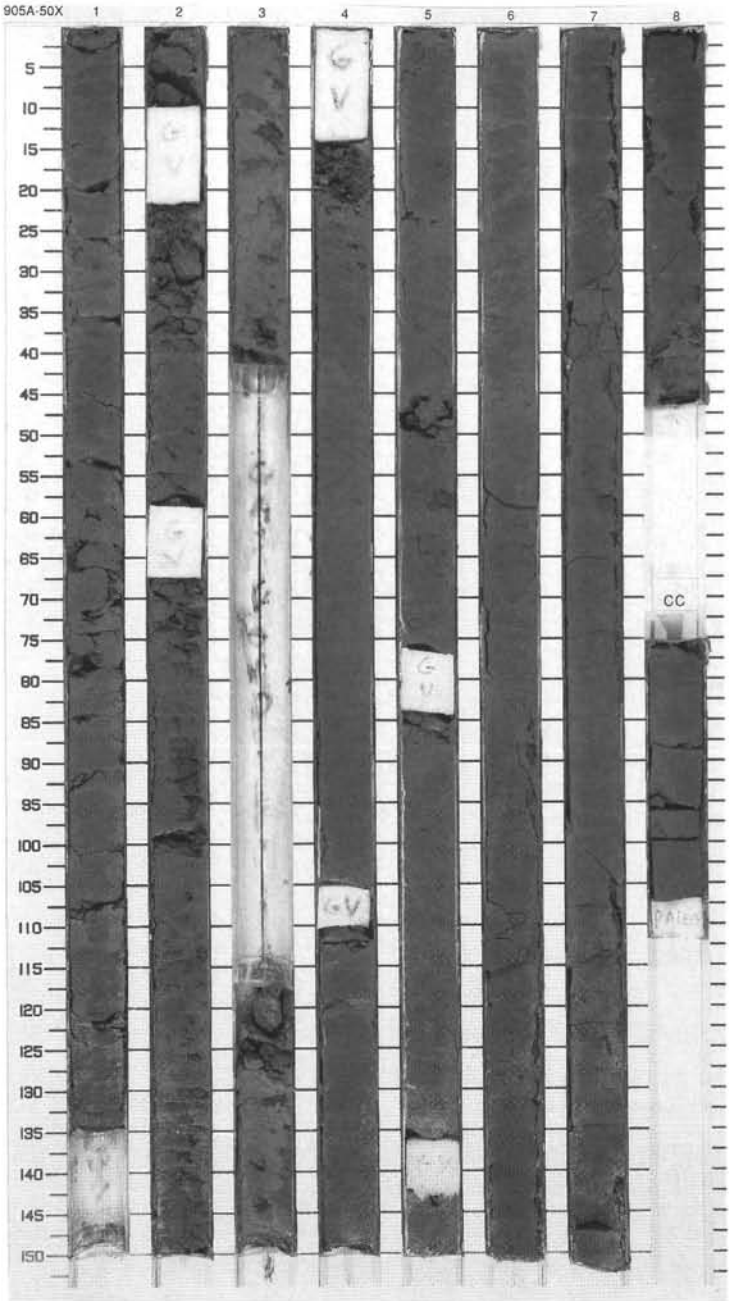
SITE 905 HOLE A CORE 49X CORED 423.8 - 433.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene			S, P, S, S, P D, S, P, S, S M	10Y 3/1	SILTY CLAY Major Lithology: Slightly to rarely bioturbated, dark greenish gray SILTY CLAY with abundant foraminifers. NOTE: Void in Section 1, 75–83 cm.



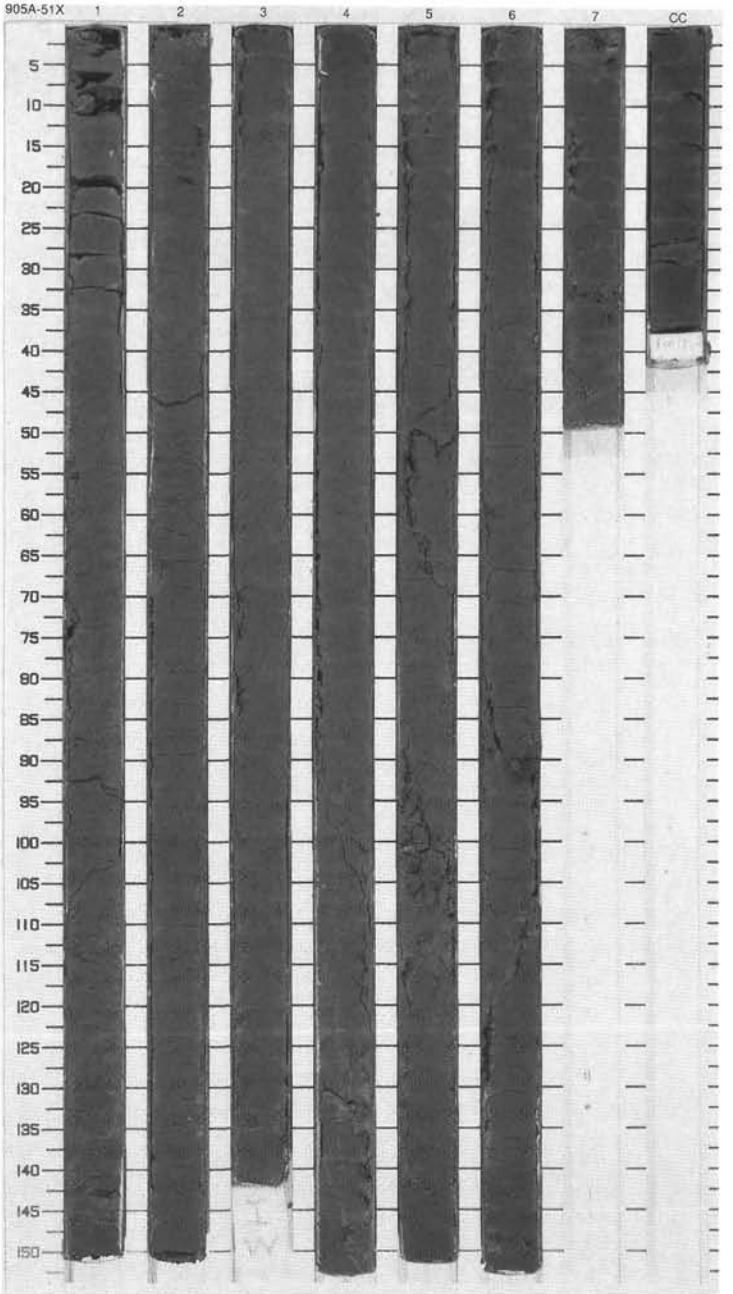
SITE 905 HOLE A CORE 50X CORED 433.3 - 443.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Miocene			S	10Y 3/1	SILTY CLAY Major Lithology: Dark greenish gray (10Y 3/1), homogeneous SILTY CLAY with distinct burrows. Small burrows filled with pyrite occur. NOTE: Heavy disturbance due to gas. Section 1 blew out on drill floor due to gas.
	Void					P		
2	Void	2				S		
3						D		
	Void	3				S		
4								
	Void							
5		4				S		
						P		
6								
		5				S		
7	Void							
8		6				S		
						P		
9								
		7				S		
10								
		8				S		
11		CC				M		



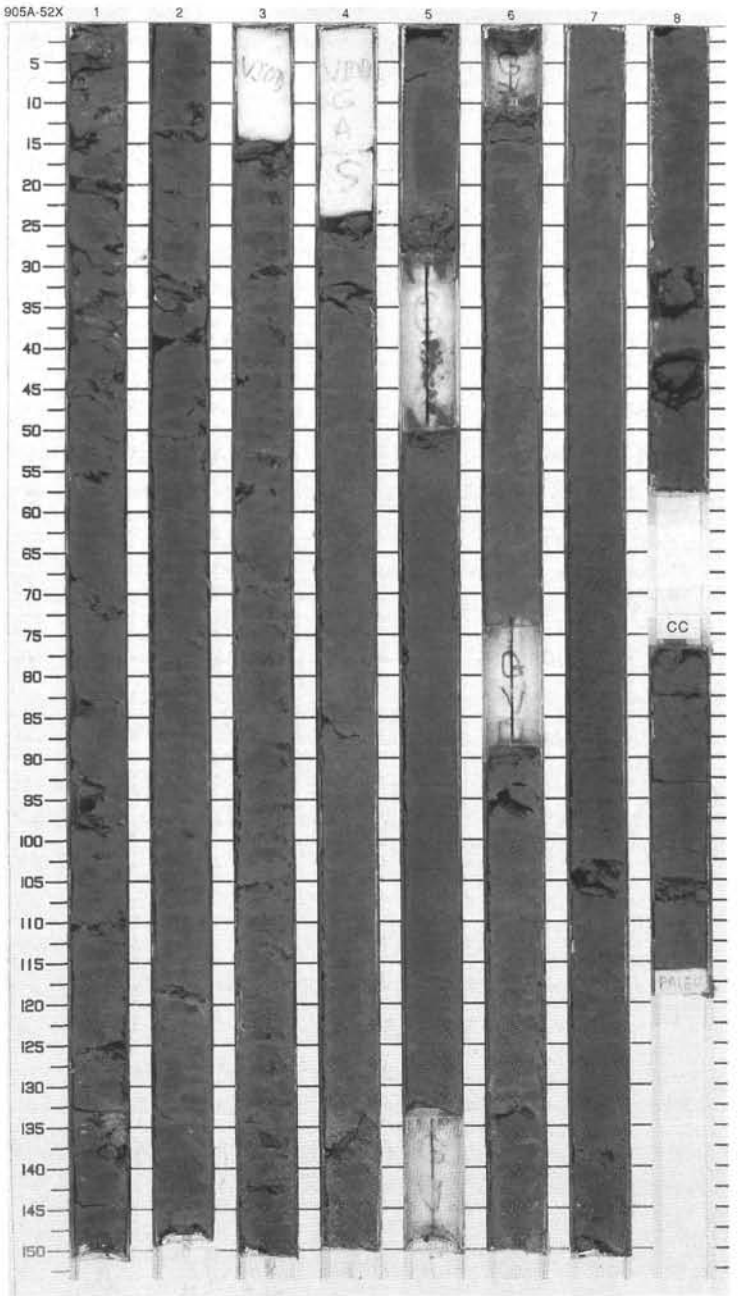
SITE 905 HOLE A CORE 51X CORED 443.0 - 452.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene			S, P, S, P D, I, S, P, S, M	10Y 3/1	SILTY CLAY Major Lithology: Dark greenish gray, slightly bioturbated SILTY CLAY, moderately bioturbated in Sections 3 and 4.



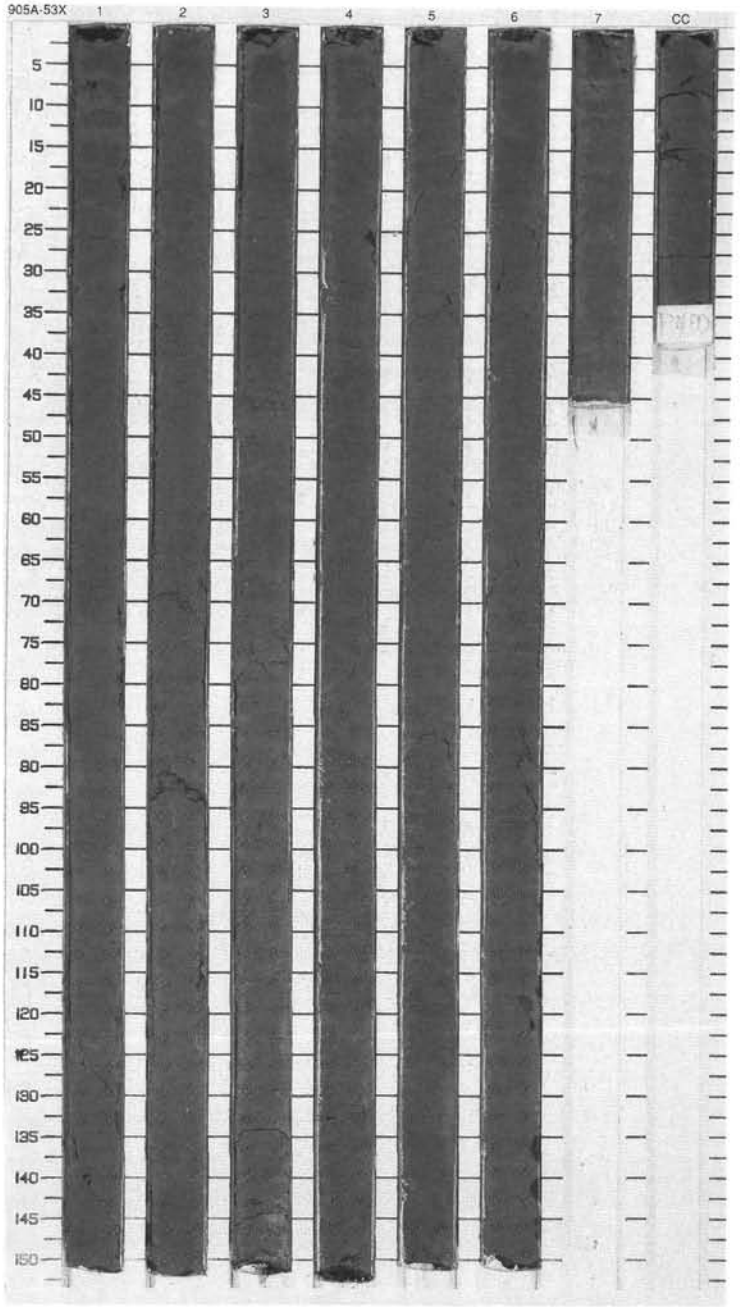
SITE 905 HOLE A CORE 52X CORED 452.7 - 462.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Miocene	P P P	W W W W W	S P	10Y 3/1	SILTY CLAY Major Lithology: Very dark gray to very dark greenish gray (10Y 3/1, 5GY 4/1, 10GY 4/0), heavily bioturbated to homogeneous (possibly heavily biotubated) SILTY CLAY. Fine to medium sand-sized pyrite commonly occurs throughout this core. Foraminifers are visible as white, very small dots. NOTE: Disturbance due to gas and "drilling biscuit" throughout this core.
2		2		P P P	W W W W W	S	5GY 4/1	
3	Void							
4		3		P	W W W W W	S P D	5GY 4/1 To 10Y 4/1	
5	Void							
6		4		P P P P	W W W W W	S	5GY 4/1	
7	Void	5		P P P	W W W W W	S P	5GY 4/1	
8	Void							
9		6		P P	W W W W W	S	5GY 4/1	
10		7		P P P	W W W W W	S P	5GY 4/1 To 10Y 4/1	
11		8		P	W W W W W	S	10GY 4/0	
		CC				M		



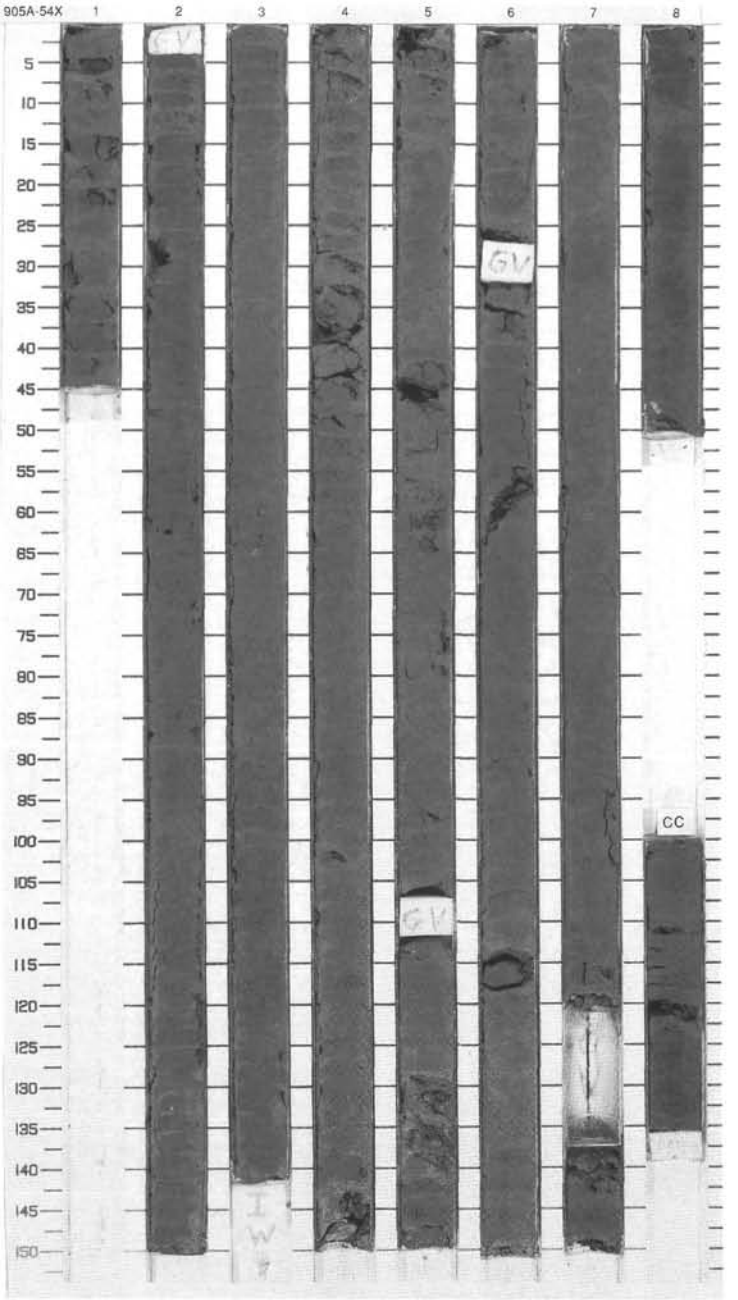
SITE 905 HOLE A CORE 53X CORED 462.3 - 472.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene			S, P, S, S, P D, S, S, P, S, M	10Y 4/1	SILTY CLAY Major Lithology: Dark greenish gray, moderately to heavily bioturbated SILTY CLAY, homogeneous in Section 7 and CC. Scattered foraminifers (up to 1%) throughout core. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



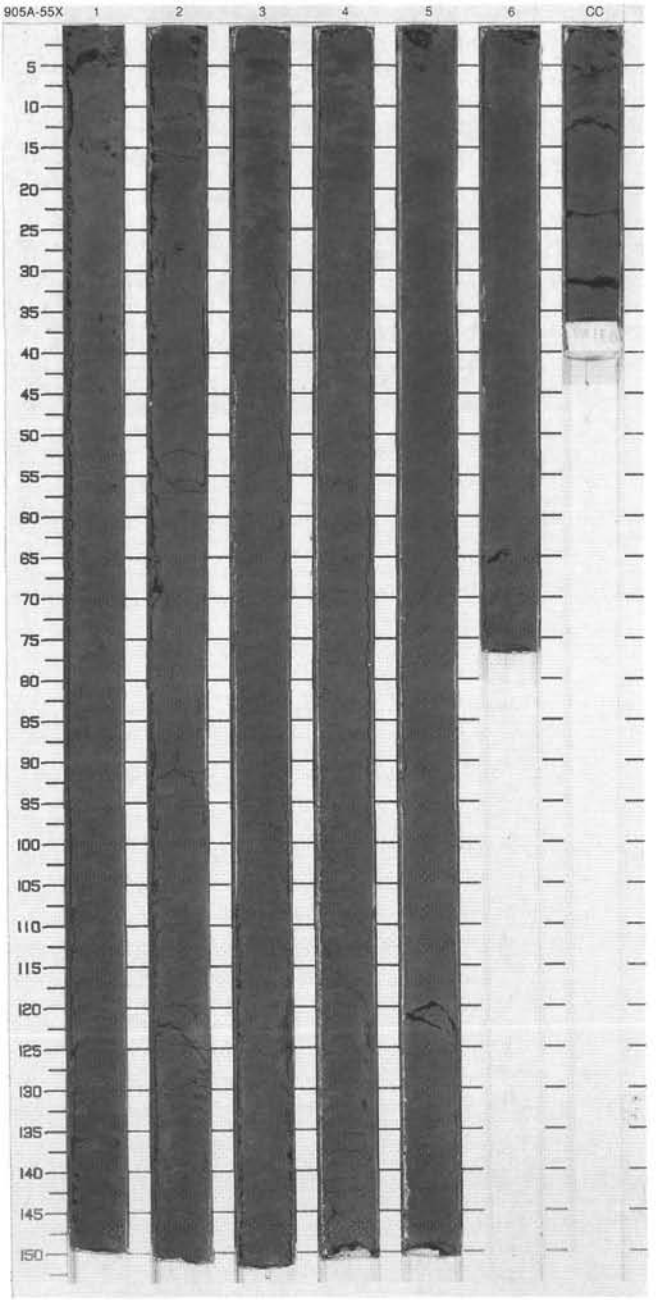
SITE 905 HOLE A CORE 54X CORED 472.0 - 481.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, Void, 8, CC	late Miocene			S, S, P, S, D, S, P, S, P, S, M	10Y 3/1	SILTY CLAY Major Lithology: Dark greenish gray, homogeneous SILTY CLAY. Distinct burrows are visible in the homogeneous background. Some burrows filled with pyrite. General Description: NOTE: Extensive drilling "biscuits" formation throughout core.



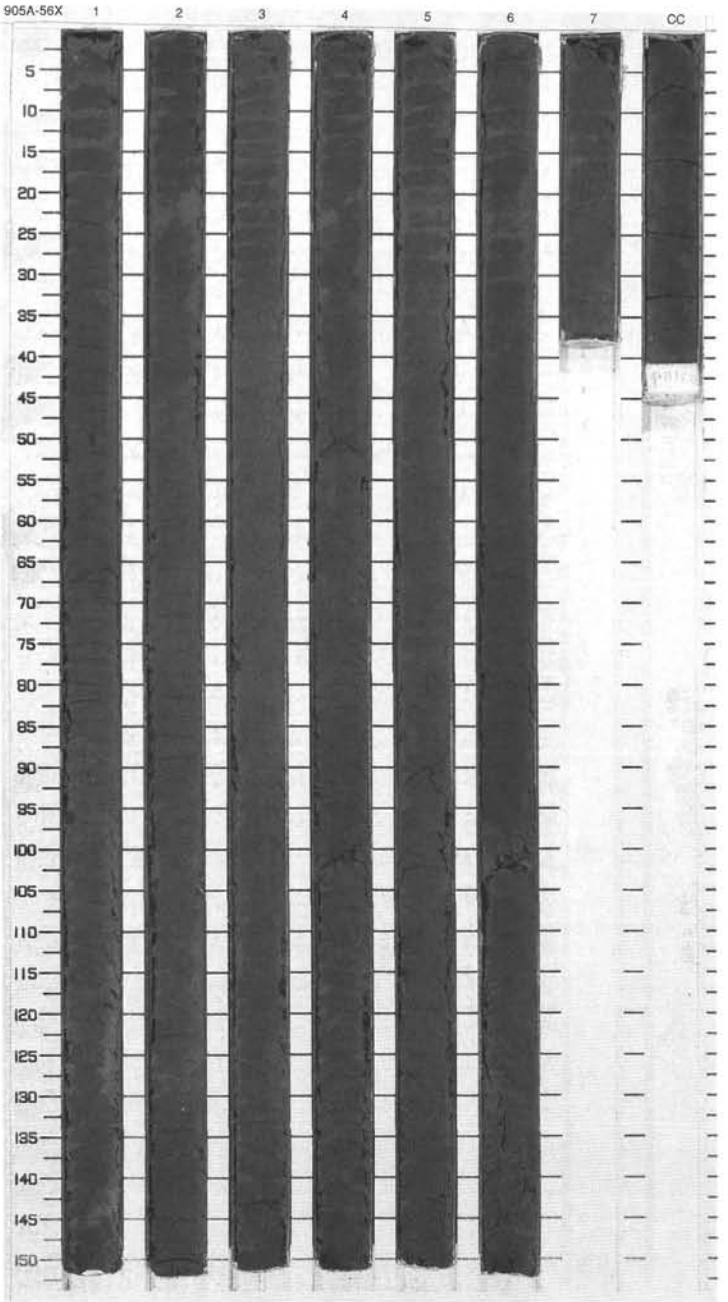
SITE 905 HOLE A CORE 55X CORED 481.6 - 491.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1, 2, 3, 4, 5, 6, CC	late Miocene	P (1), P (2), P (3)		S, P, S, S, PD, S, S, P, S, M	10Y 4/1	SILTY CLAY Major Lithology: Greenish gray SILTY CLAY, homogenized, scattered pyrite, burrows include Chondrites. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



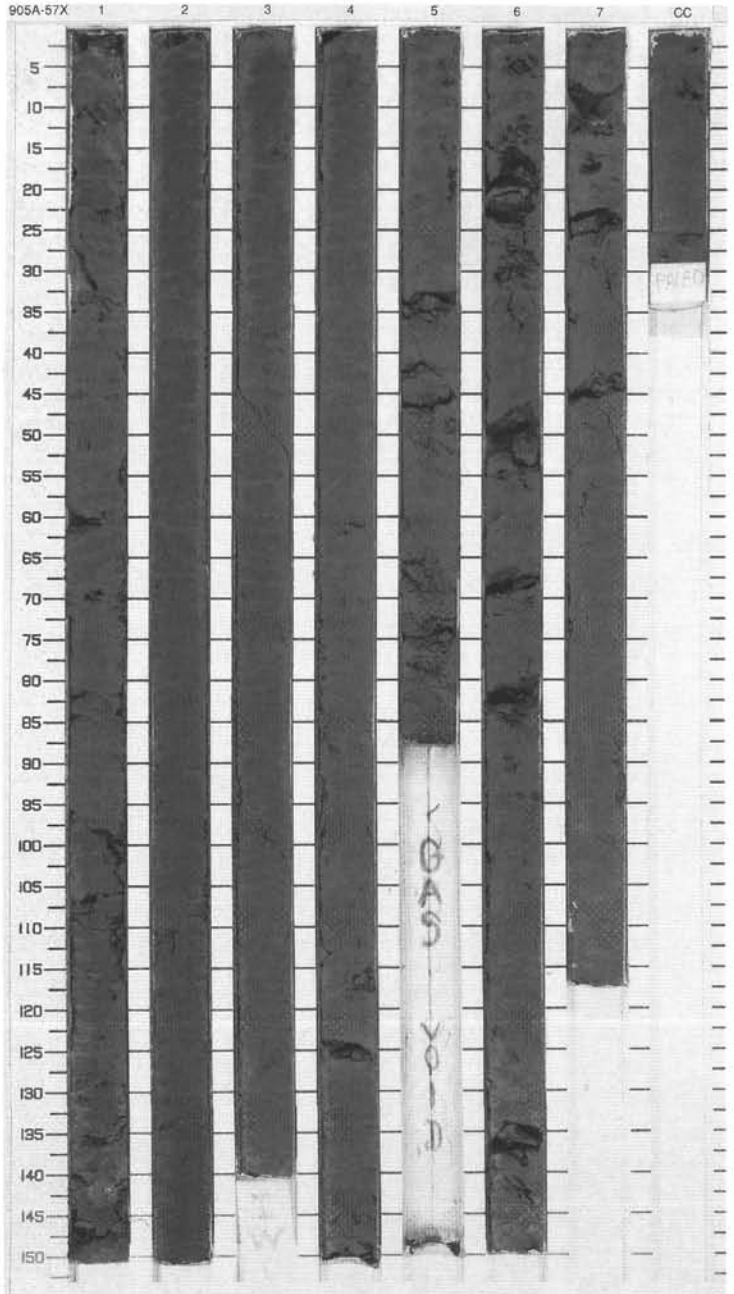
SITE 905 HOLE A CORE 56X CORED 491.3 - 500.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene			S P	10Y 4/1	SILTY CLAY Major Lithology: Greenish gray SILTY CLAY, slightly to moderately bioturbated. Recognizable trace fossils include Chondrites and Planolites. Scattered foraminifers throughout. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.
		2				S		
		3				S P D		
		4				S		
		5				S P		
		6				S		
		7				S		
		CC				M		



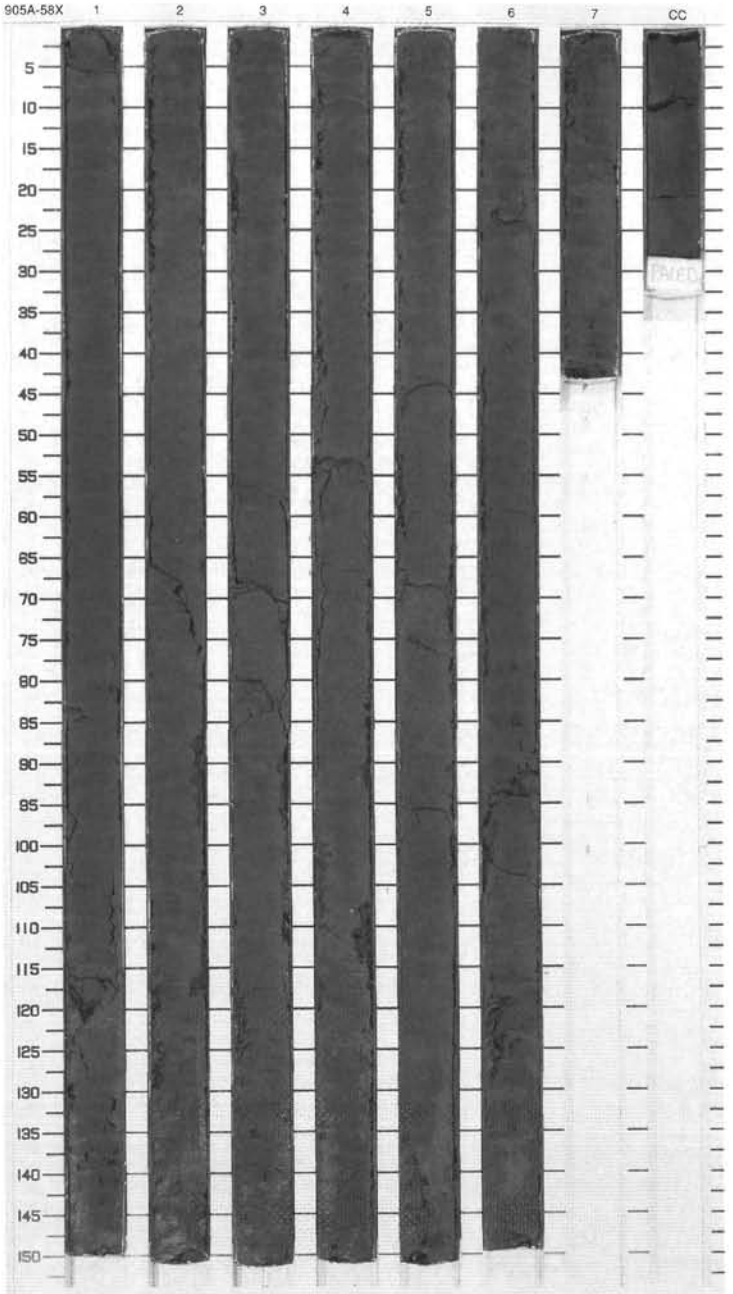
SITE 905 HOLE A CORE 57X CORED 500.6 - 510.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10	Void	1–7, CC	late Miocene			S, P, S, S, P D, I, S, S, P, S, S, P, M	10Y 3/1 To 10Y 4/1; 10Y 4/1	SILTY CLAY and CLAYEY SILT Major Lithologies: Dark greenish gray to very dark gray, homogeneous SILTY CLAY (from top of Section 1 to base of Secton 3) and CLAYEY SILT (top of Section 4 to base of this core). Heavily burrowed from top of Section 4 to base; Chondrites and Planolites filled with dark gray sediment. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



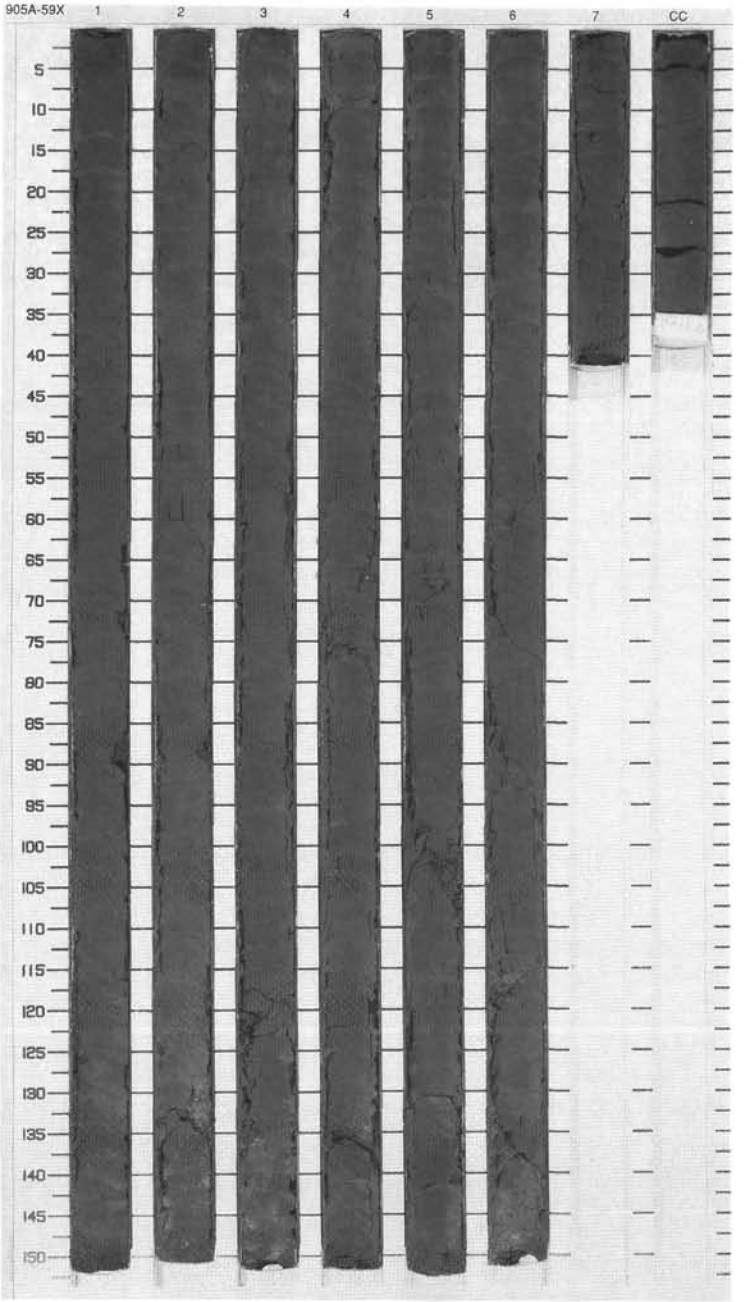
SITE 905 HOLE A CORE 58X CORED 510.2 - 519.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene			S, P, S, S, S, S, D P, S, S, P, S, M	5Y 4/1; 5Y 4/1 To 5Y 3/1	CLAYEY SILT Major Lithology: Dark greenish gray to very dark gray heavily bioturbated to homogeneous CLAYEY SILT with disseminated silt- to very fine sand-sized glauconite and quartz. Radiolarians and diatoms are very common, but nannofossils very rare throughout this core. Small Chondrites and Planolites filled with very dark gray sediments commonly occur. Homogeneous interval occurs from 40 cm in Section 3 to base of Section 5; small Chondrites are present. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



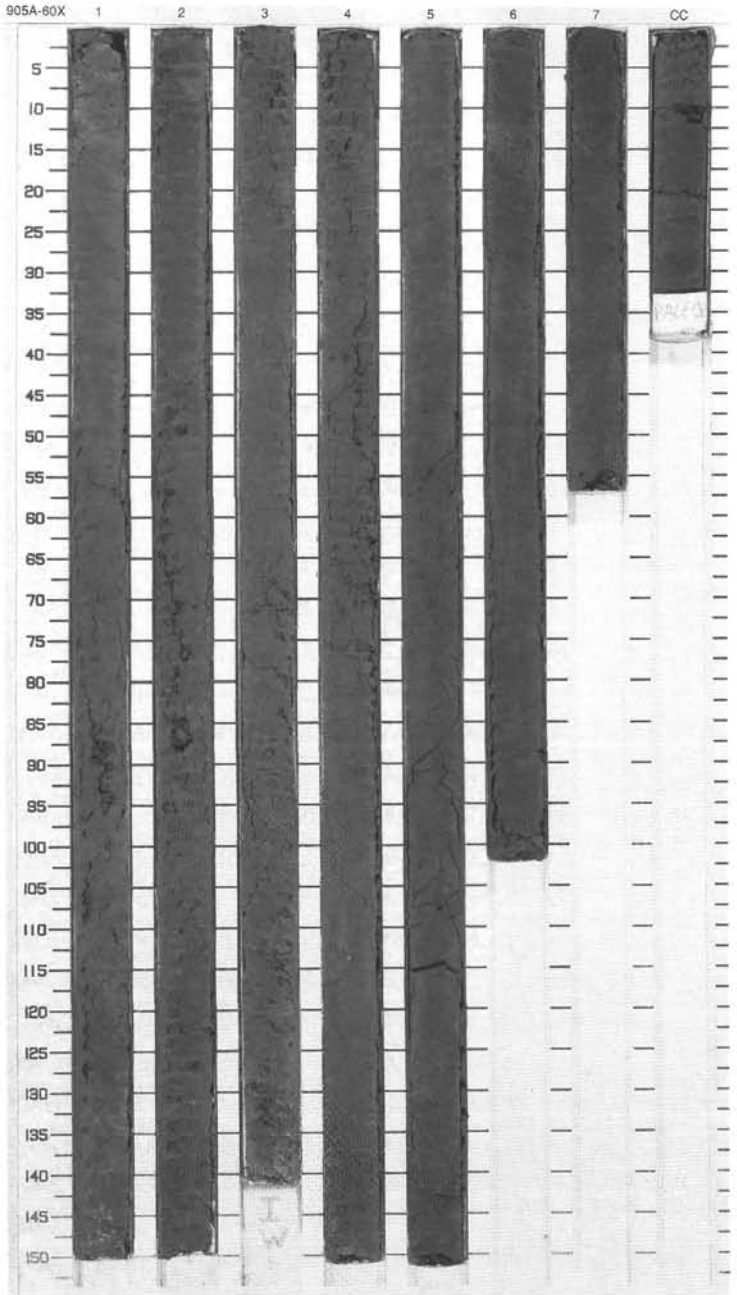
SITE 905 HOLE A CORE 59X CORED 519.9 - 529.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene	P		S, P, S, S, P D, S, P, S, S, M	10Y 4/1	CLAYEY SILT Major Lithology: Dark greenish gray, moderately bioturbated CLAYEY SILT, which contains disseminated glauconite. Trace fossils include Planolites, Chondrites, and ?Zoophycos. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



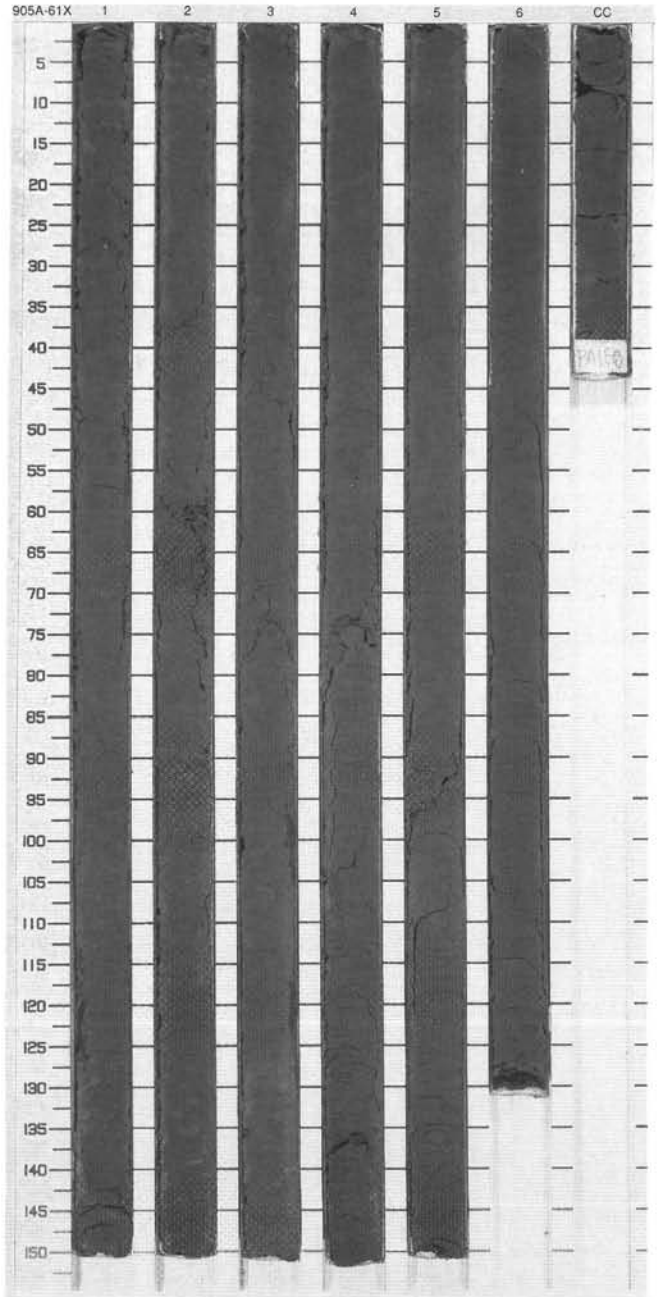
SITE 905 HOLE A CORE 60X CORED 529.5 - 539.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	late Miocene			S P S S P D I S S P S S P S S M	10Y 5/1	CLAYEY SILT and CLAYEY SILT SAND Major Lithologies: Homogeneous dark greenish gray SILTY CLAY, moderately bioturbated, comprises Sections 1 to 5, 130 cm. Possible cm-scale, light greenish gray mud clasts in Section 5, 130 and 136 cm. A thin darker grayish green glauconitic CLAYEY SILT and SAND bed occurs from 136 to 142 cm. Grayish green CLAYEY SILT from 142 cm in Section 5 down to 10 cm in Section 6. Grayish green CLAYEY SILT and SAND occur down to Section 7, 40 cm and include medium- to coarse-grained quartz and glauconite sand with sharp base; this bed also contains some gray angular mud clasts near top of Section 7, and scattered large (<0.5 cm), rounded quartz grains. Grayish green, bioturbated, CLAYEY SILT from 40 cm in Section 7 to base of core. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



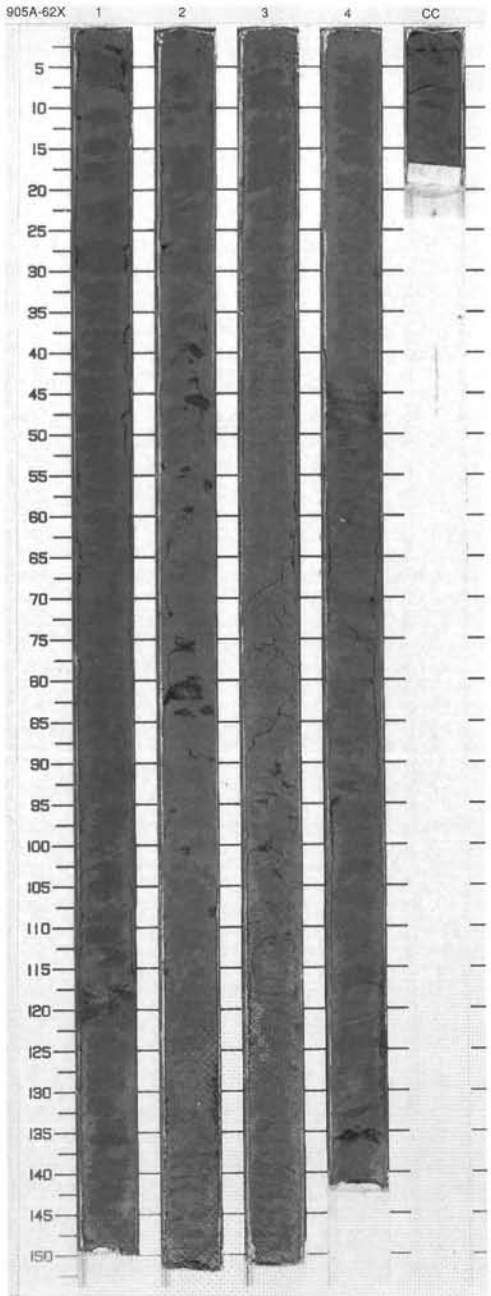
SITE 905 HOLE A CORE 61X CORED 539.1 - 548.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–6, CC	late Miocene			S, P, S, S, P, D, S, S, P, S, M	10Y 5/1	SILTY CLAY and SANDY SILTY CLAY Major Lithologies: Dark greenish gray, slightly to moderately bioturbated, SILTY CLAY in Sections 1 to 3. Section 4 to base of the core is slightly bioturbated SANDY SILTY CLAY with fine- to medium-sized sand grains of quartz and glauconite disseminated throughout. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



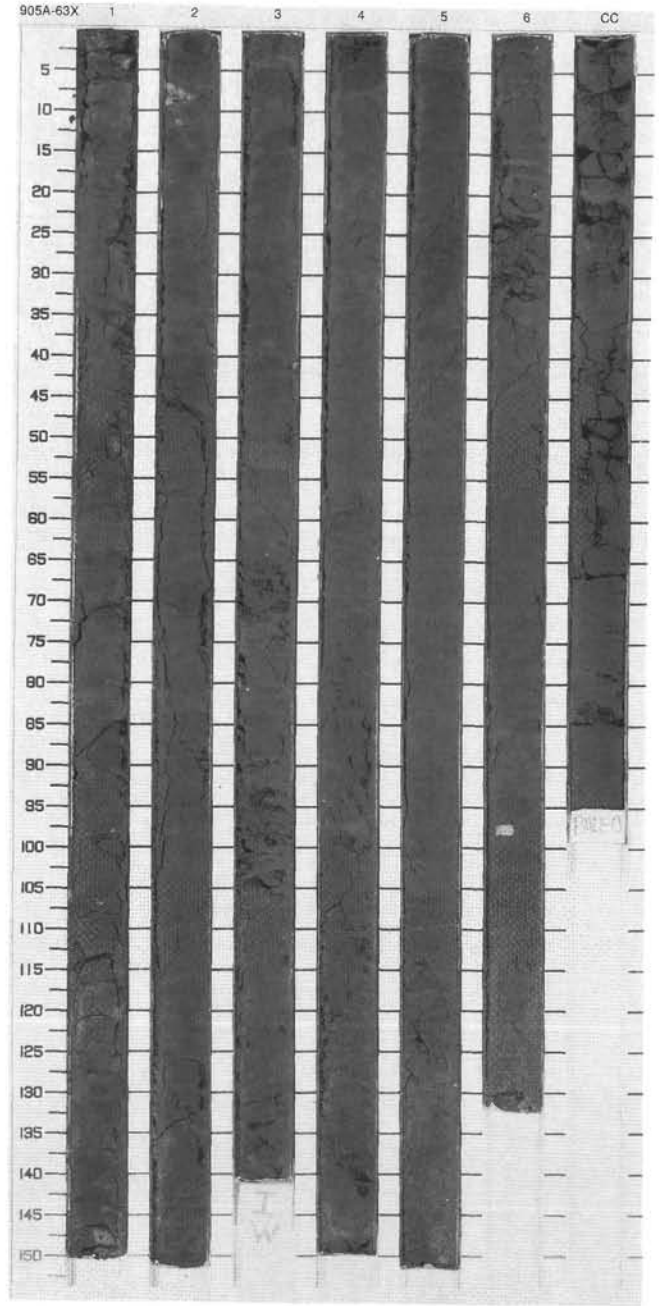
SITE 905 HOLE A CORE 62X CORED 548.8 - 558.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–6		1, 2, 3, 4, CC	late Miocene			S, P, S, S, P D, S, M	10Y 5/1	SILTY CLAY and CONGLOMERATE Major Lithologies: Section 1 to Section 4, 40 cm, consists of dark greenish gray, slightly to moderately bioturbated SILTY CLAY. A glauconitic (60%), well-sorted, fine- to medium-sized, laminated sand with sharp top and bottom occurs in Section 1, 117–122 cm. Also, medium-sized sand grains of quartz and glauconite are disseminated between 90 and 110 cm, together with few coarse grains. Section 4, 40 cm to base of the core consists of a mud clast CONGLOMERATE, probably clast supported, but with a muddy matrix. Cm-scale mud clasts display various colors, from greenish gray to greenish brown and dark brown plus one white nannofossil chalk clast. Mud clasts are commonly flat-topped and laterally elongated because of compaction, and display "pinched out" lateral margins. The topmost part of this unit (43–49 cm) has an irregularly cross-laminated glauconitic, well-sorted, fine-sized green sand, which is generally clay-rich and without obvious bioturbation. Interval from 49–51 cm is gray poorly sorted, medium- to coarse-sized quartz sand with quartz grains up to 4 mm in diameter. From 51–61 cm is sandy with mud clasts including a white 1 cm chalk clast. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



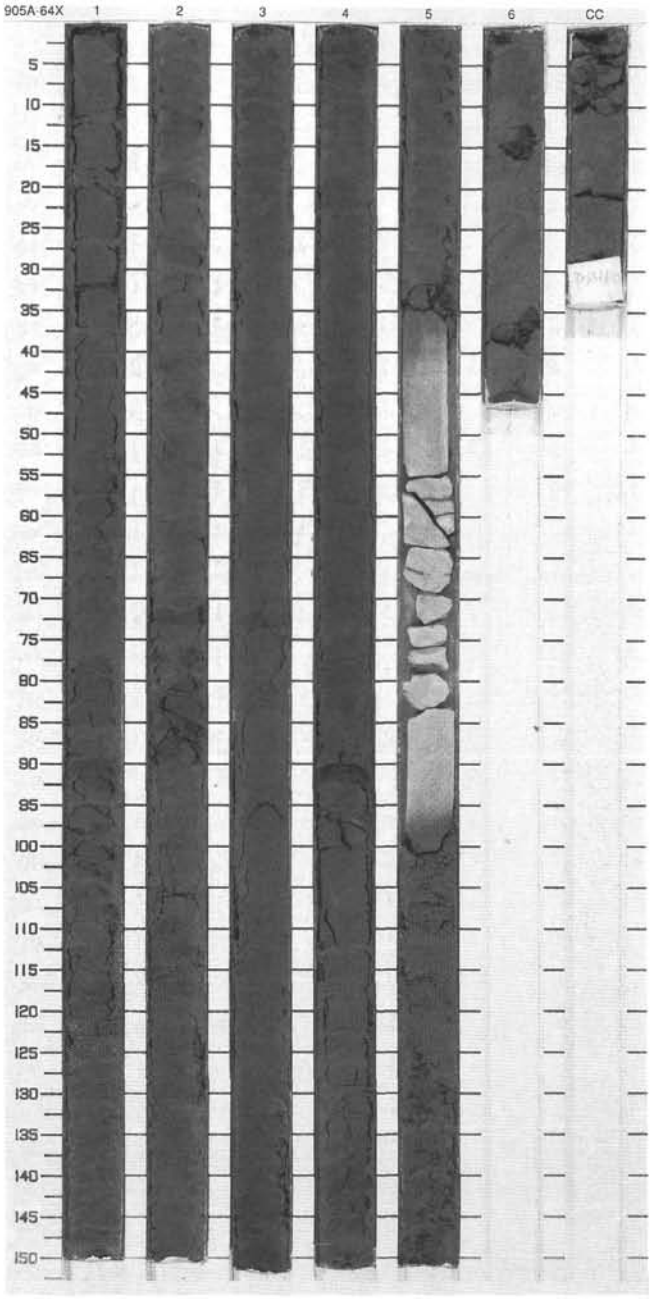
SITE 905 HOLE A CORE 63X CORED 558.5 - 568.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–6, CC	late Miocene			S, P, S, S, P, I, S, S, P D, S, S, M	10Y 3/1 To 5Y 3/1; 10Y 3/1	CONGLOMERATE and SILTY CLAY Major Lithologies: *Clast-supported muddy* CONGLOMERATE from top of core to Section 6, 102 cm consists of mud clasts of various colors and sizes including greenish to dark greenish gray and brownish gray angular to rounded clasts. Angular, buff to white nannofossil chalk clasts occur in Section 1, 107 cm, at the top of Section 2, in Section 3 (65 cm) and in Section 6, 97 cm. Discordant, angular contacts are common throughout this unit. A sandy clay interval occurs in Section 4, 136–145 cm. From 102 cm in Section 6 down to base, the core consists of dark greenish gray, slightly bioturbated SILTY CLAY which appears to be undisturbed. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



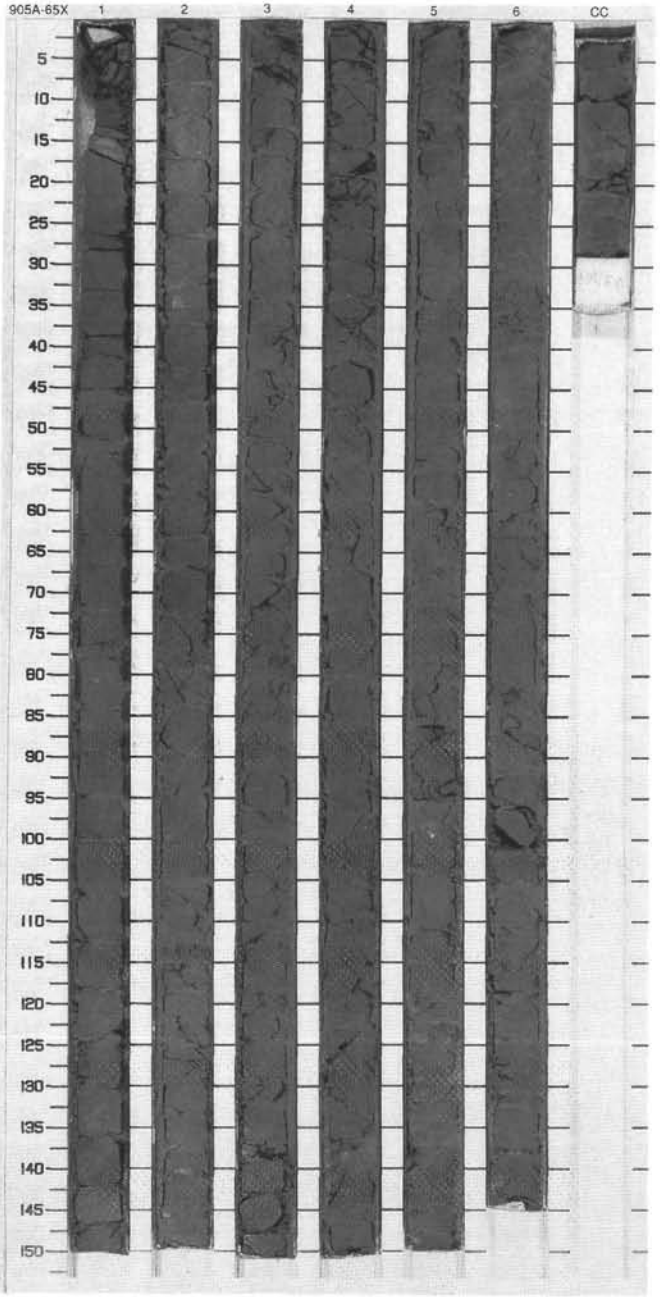
SITE 905 HOLE A CORE 64X CORED 568.2 - 577.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	late Miocene			S, P, S, S, P D, S, S, P, S, M	10Y 3/1; 10Y 3/1 To 5Y 3/1; 10Y 3/1; 5Y 4/1; 10Y 3/1	CONGLOMERATE, SILTY CLAY and CARBONATE-CEMENTED SILTSTONE Major Lithologies: Top of core to 85 cm of Section 4 is muddy CONGLOMERATE composed of dark greenish gray to brownish gray, angular to rounded SILTY CLAY mud clasts, some of which show flow structures, isoclinal microfolds and contorted laminae (e.g., Section 1, 110–125 cm; base of Section 2). Mud clasts are flattened by compaction. Numerous discordant, dipping contacts are probably boundaries between larger clasts. At the base of this upper unit (85–92 cm, Section 3) is a 7-cm-thick graded(?) sand bed composed of well-sorted quartz and glauconite grains (Section 4, 85–92 cm). Glauconite decreases upward. Section 4, 92 cm, down to Section 5, 35 cm, is mud clasts similar to upper unit. An indurated CARBONATE-CEMENTED SILTSTONE occurs between 35 and 101 cm of Section 5; it is unclear whether this unit is a displaced rock clast or a diagenetic feature that is in place. The remainder of the core shows subtle discordant, dipping contacts indicating probable mud clasts. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



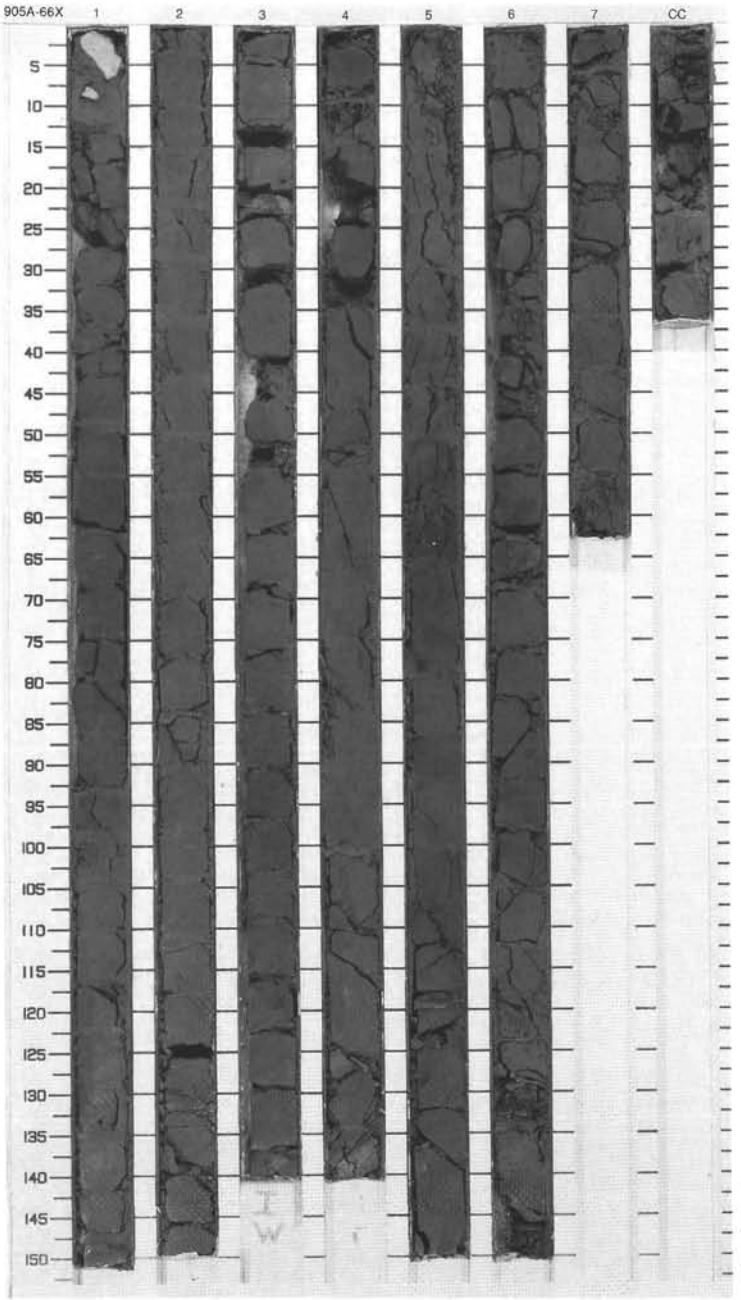
SITE 905 HOLE A CORE 65X CORED 577.8 - 587.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–6, CC	late Miocene			S, P, S, S, P D, S, S, P, S, MS	10Y 3/1	SILTY CLAY Major Lithology: Homogeneous to slightly bioturbated, dark greenish gray SILTY CLAY. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



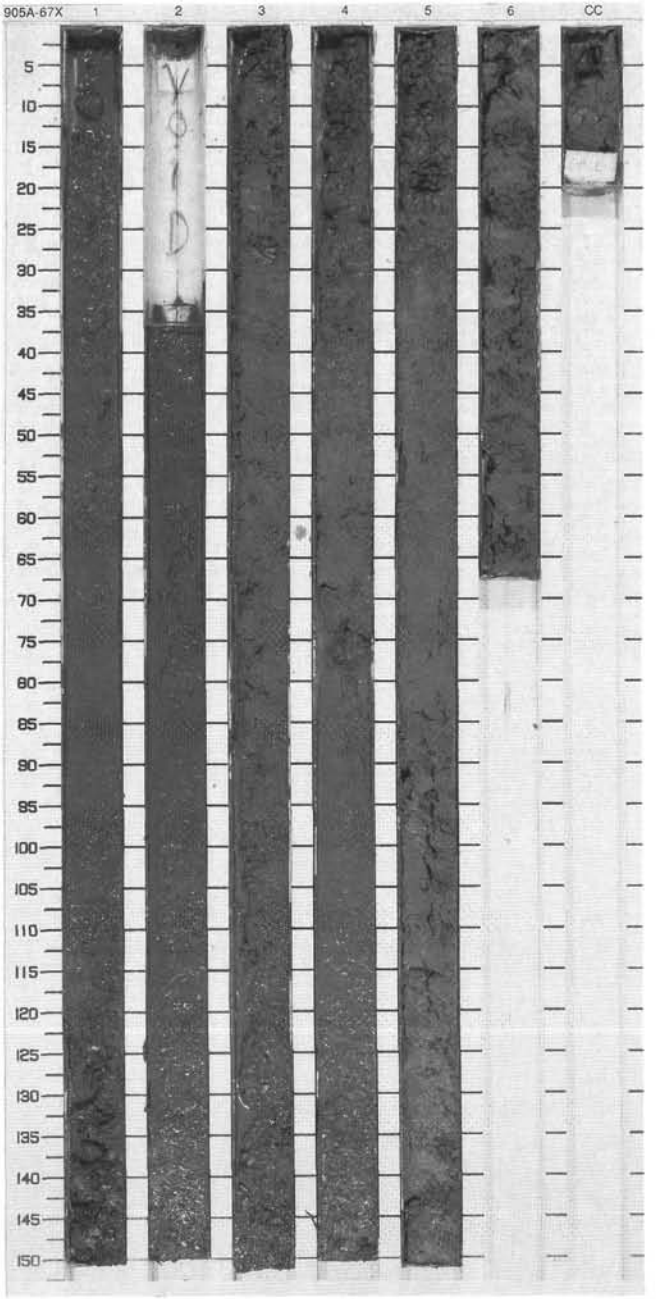
SITE 905 HOLE A CORE 66X CORED 587.4 - 597.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	late Miocene			S P	5Y 4/1 To 5Y 3/1	SILTY CLAY Major Lithology: Homogeneous to slightly bioturbated greenish gray SILTY CLAY. NOTE: The top 12 cm in Section 1 is drilling slurry. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.
		2				S		
		3				S P D I		
		4				S		
		5				S P		
		6				S		
		7				S		
		CC				M		



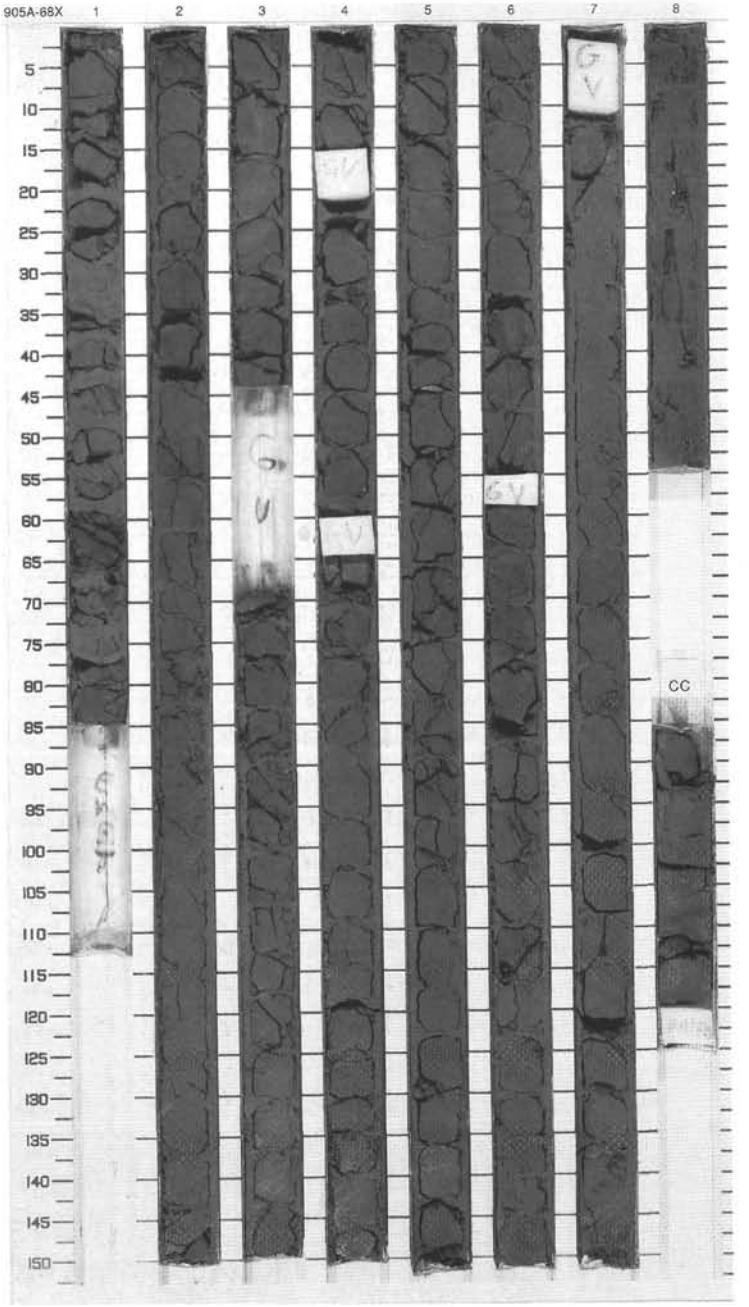
SITE 905 HOLE A CORE 67X CORED 597.1 - 606.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–8		1–6, CC	middle Miocene					HIGHLY DISTURBED SILTY CLAY Major Lithology: Greenish gray HIGHLY DISTURBED SILTY CLAY. NOTE: This core is probably all drilling cavings. No samples were taken.



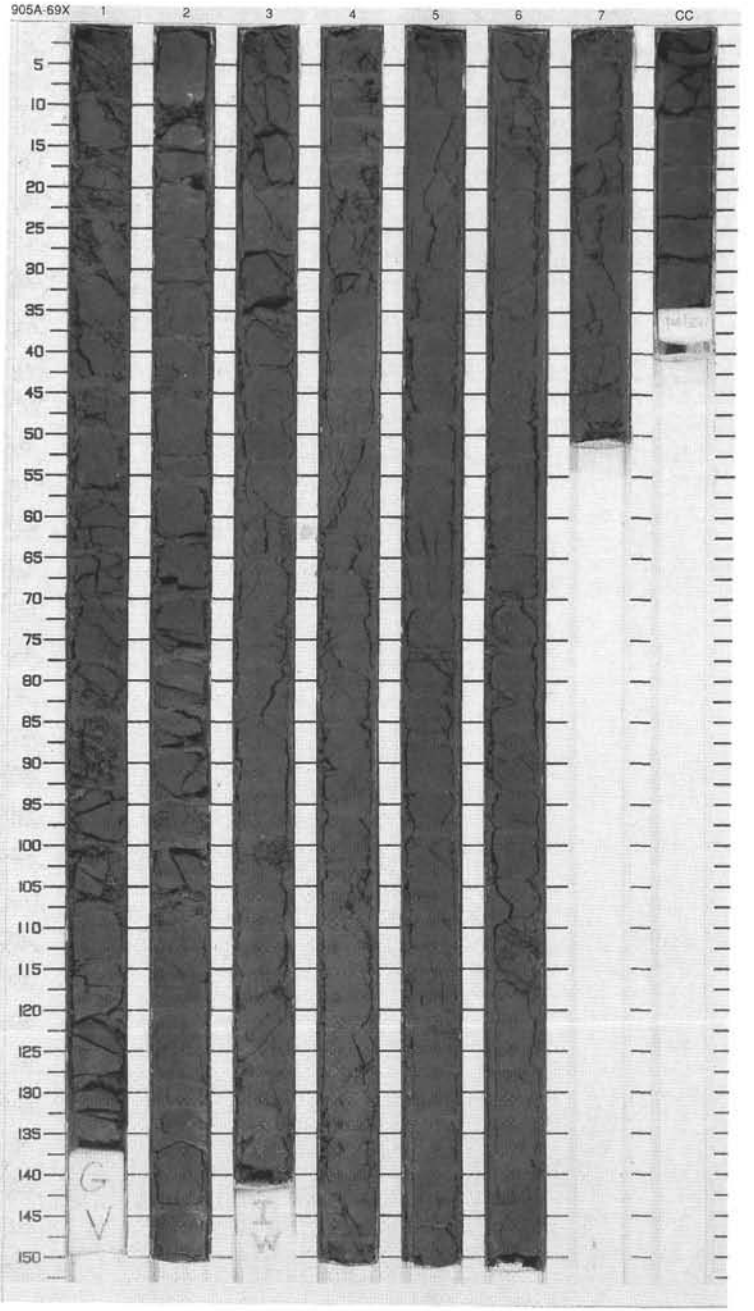
SITE 905 HOLE A CORE 68X CORED 606.7 - 616.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–8, CC	middle Miocene			S, P, S, S, S, P, D, S, S, P, S, S, M	5Y 3/2	SILTY CLAY Major Lithology: Homogeneous to slightly bioturbated greenish gray SILTY CLAY. Burrows filled with glauconite sand in Section 8 and in the Core Catcher. A small microfault occurs near the top of Section 2 and a possible mud clast(?) occurs below. At 23 cm in the Core Catcher, laminated material has an apparent dip, contains minor glauconite sand; this feature may represent cross-stratification. General Description: NOTE: Extensive drilling "biscuit" formation throughout core. Numerous gas voids: Section 3, 44–68 cm, Section 4, 14–20 cm and 58–64 cm, Section 6, 53–56 cm, Section 7, 0–15 cm.
3	Void	3						
8	Void	7					5Y 3/2	



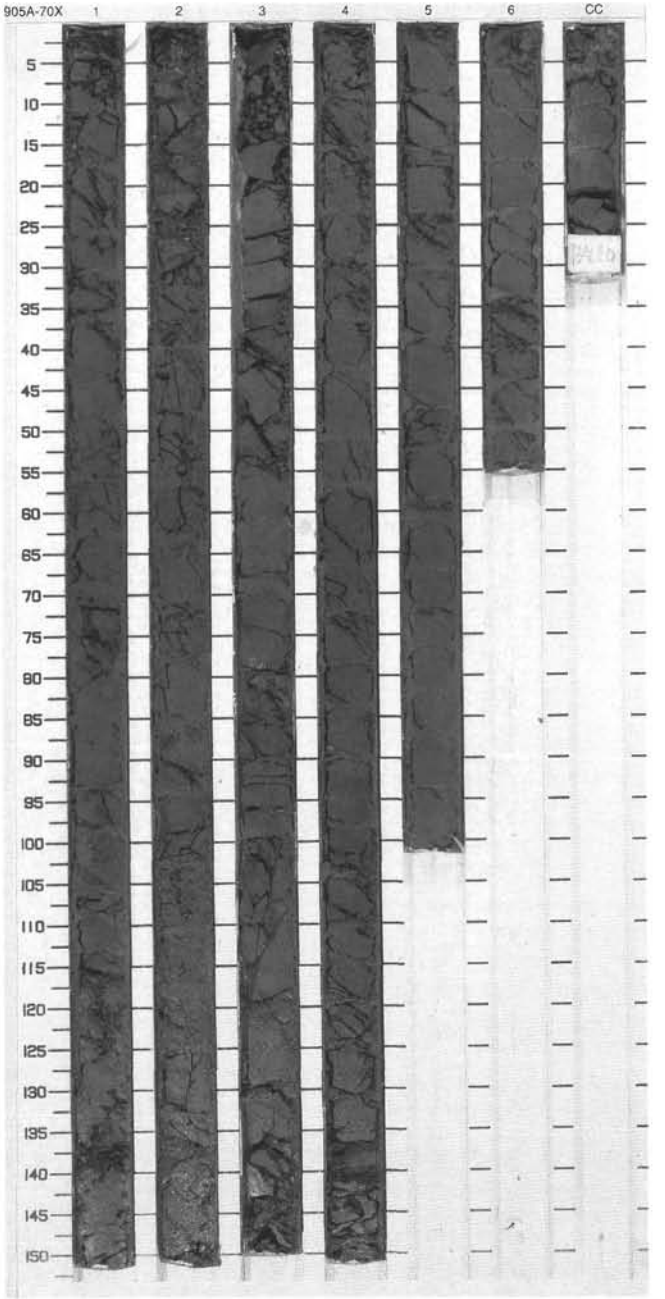
SITE 905 HOLE A CORE 69X CORED 616.3 - 626.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	middle Miocene			S, P, S, S, P D, I, S, S, P, S, S, M	5Y 3/2; 5Y 3/2 To 10Y 4/2; 10Y 4/1 To 10Y 4/2; 5Y 3/2 To 5Y 4/2; 5Y 3/2	SILTY CLAY AND MUD-CLAST CONGLOMERATE Major Lithologies: Dark olive-gray homogenous to heavily bioturbated SILTY CLAY from top to 80 cm in Section 2; appears undisturbed. Minor silt-sized to fine-sized glauconitic sand laminae at 119 cm in Section 1. Clast-supported muddy CONGLOMERATE from 120 cm in Section 2 to middle of Section 4, which contains silty clay mud clasts up to cobble and small boulder (<30 cm) size of various shades from brownish to greenish gray. Between 80 and 125 cm in Section 3, matrix contains abundant very fine- to medium-sized glauconite sand. Laminae of very fine sand to pebble-sized quartz at 120 cm in Section 3. Between 65 cm in Section 4 and 15 cm in Section 6, beds are convolutely folded, contorted dark gray to very dark olive-gray, heavily bioturbated SILTY CLAY with rare mud clasts in Section 5. Thin, white isoclinal folds occur in mud clasts at 40–45 cm in Section 5. Section 6, 15 cm, to base of core is apparently undisturbed, heavily bioturbated dark olive-gray SILTY CLAY. Common Planolites and Chondrites burrows in Section 6. General Description: NOTE: Extensive drilling "biscuit" formation throughout core. Gas void in Section 1, 135–150 cm.



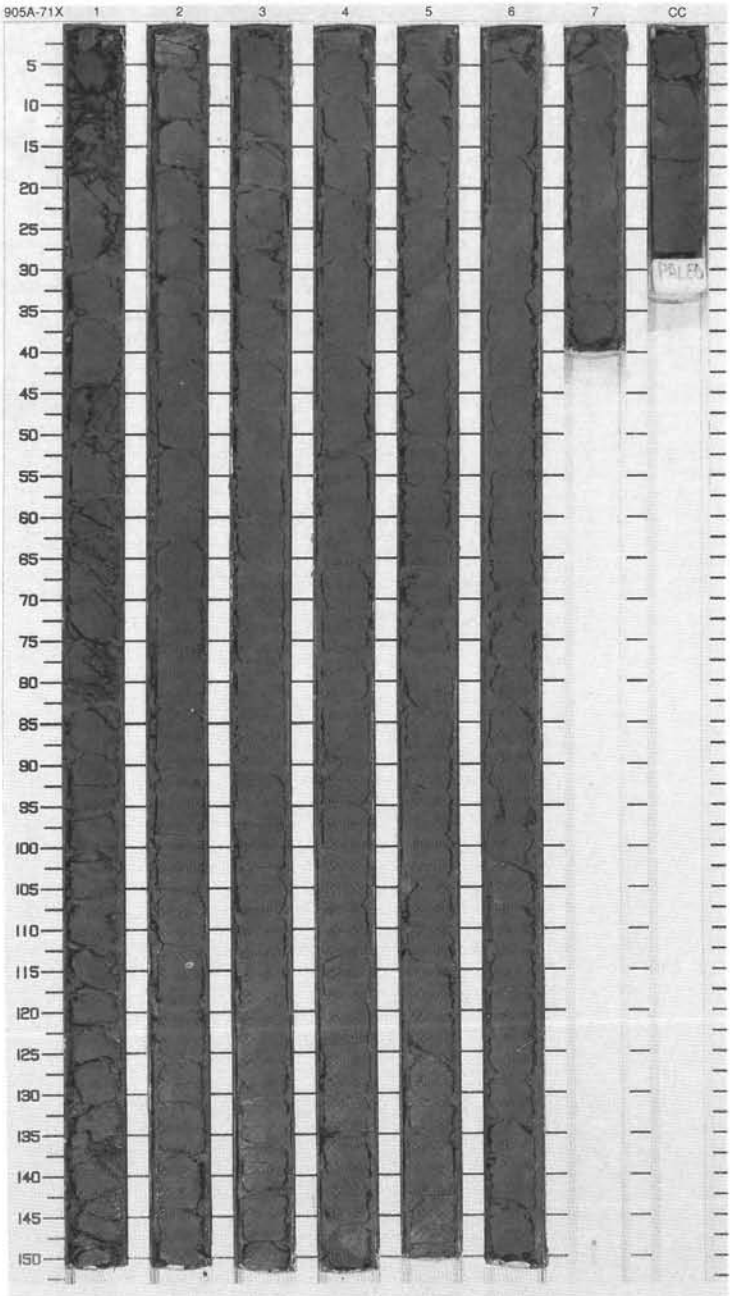
SITE 905 HOLE A CORE 70X CORED 626.0 - 635.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–7		1, 2, 3, 4, 5, 6, CC	middle Miocene			P, P D, P, M	5Y 3/2	SILTY CLAY Major Lithology: Homogeneous to slightly bioturbated, dark greenish gray SILTY CLAY. Thin intervals of disseminated silt-sized glauconite between 58–68 cm in Section 1 and 60–70 cm in Section 5. General Description: NOTE: Extensive drilling "biscuit" formation and fracturing throughout core.



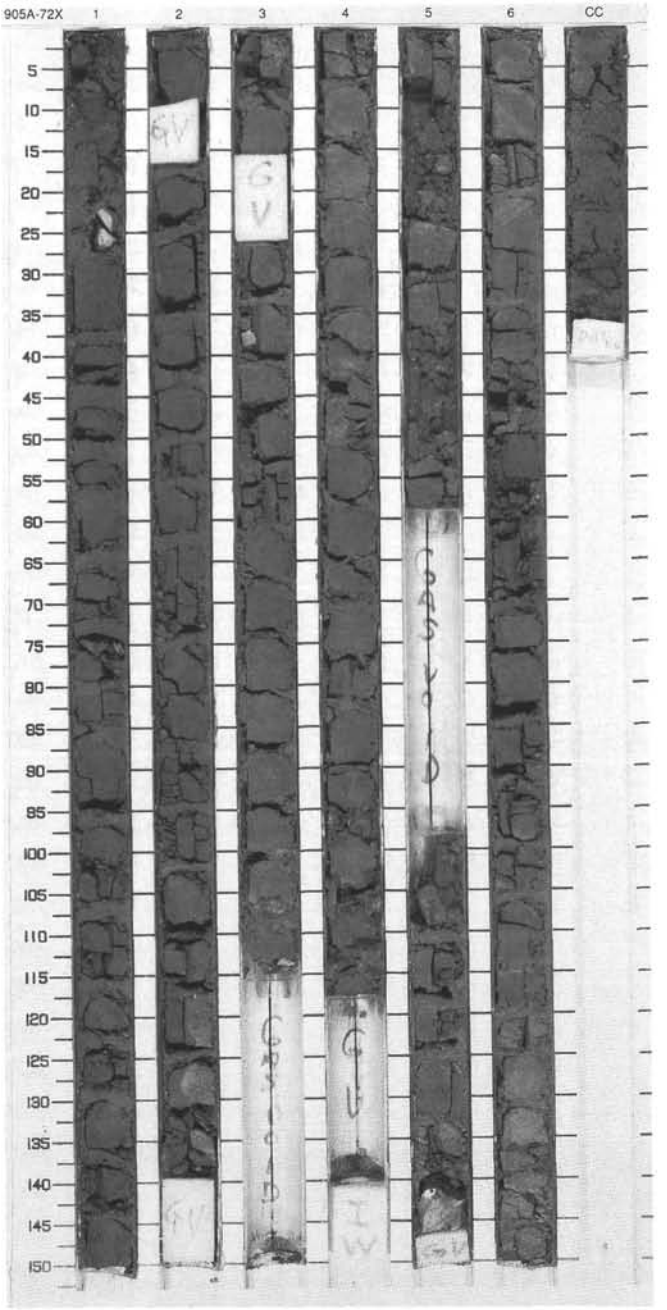
SITE 905 HOLE A CORE 71X CORED 635.6 - 645.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	middle Miocene			S	5Y 3/2	SILTY CLAY Major Lithology: Greenish gray, moderately to heavily bioturbated slightly SILTY CLAY. Burrows filled with darker material, include Planolites, Chondrites, and Zoophycos. A small zone of isoclinal folds and possible mud clasts occurs from 115 to 150 cm of Section 1. Minor Lithologies: Dark greenish gray SILTY CLAY, slightly bioturbated at top of Section 1 and moderately bioturbated at the bottom of Section 1. General Description: Note: Extensive drilling "biscuit" formation throughout core.
						P		
		2				S		
		3				S		
						P	D	
		4				S	5Y 4/1	
		5				S		
						P		
		6				S		
		7						
		CC				M		



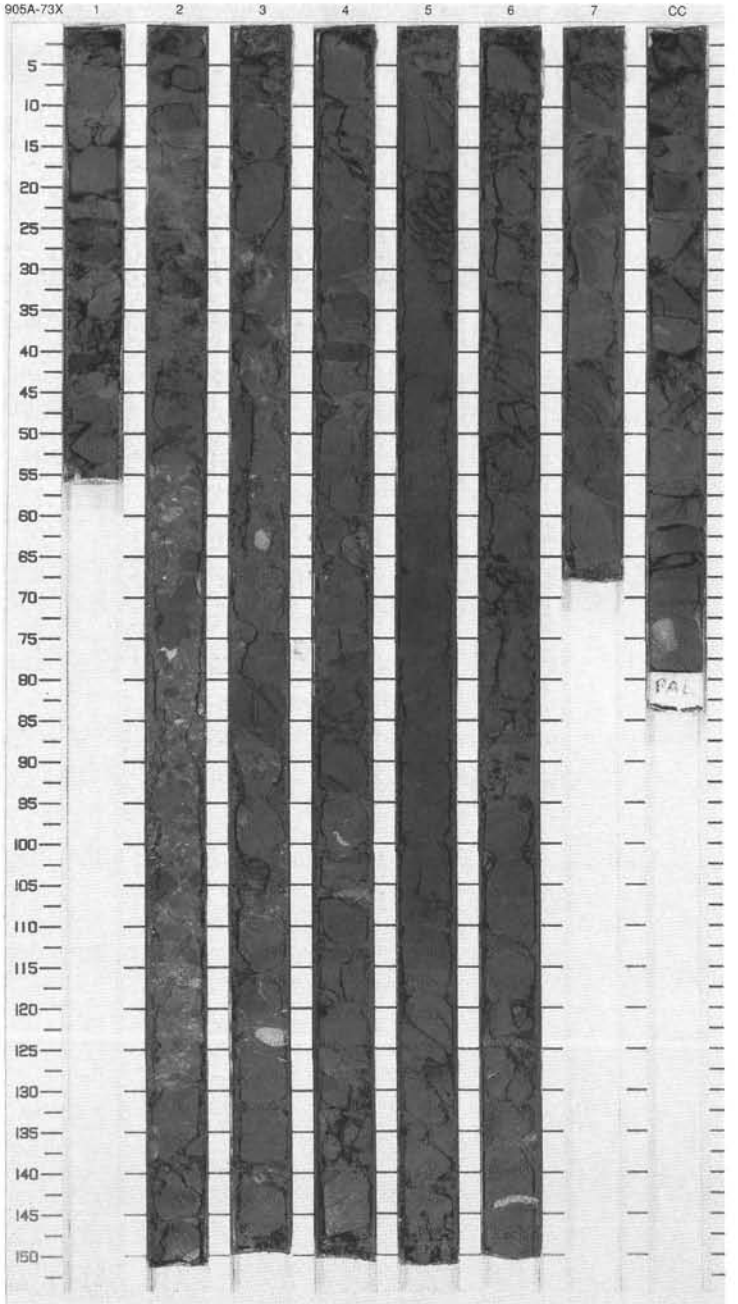
SITE 905 HOLE A CORE 72X CORED 645.2 - 654.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–6, CC	middle Miocene			S, P, S, S, P D, S, S, P, S, M	5Y 5/1	SILTY CLAY Major Lithology: Greenish gray, moderately bioturbated SILTY CLAY with diatoms and nannofossils. Burrows filled with darker material include Chondrites and Zoophycos (?). General Description: NOTE: Extensive drilling "biscuit" formation throughout core.
	Void							
	Void							
	Void							



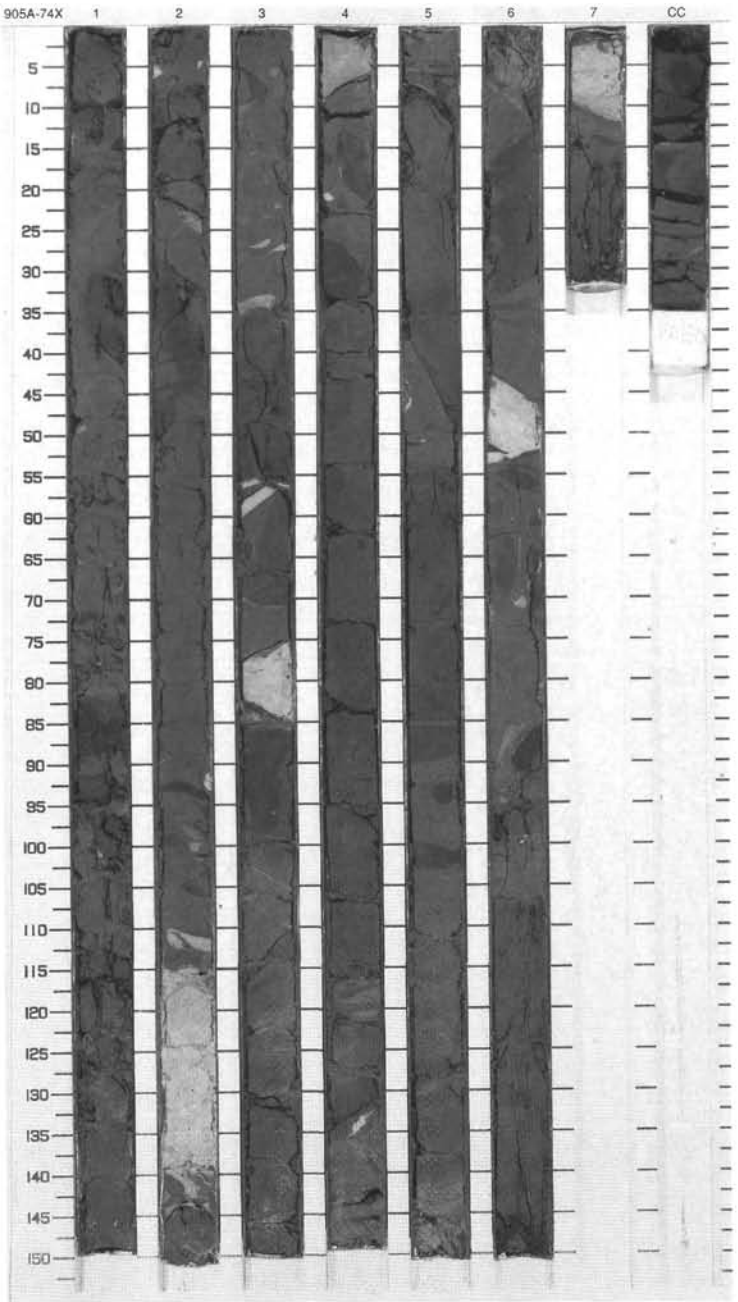
SITE 905 HOLE A CORE 73X CORED 654.9 - 664.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1	middle Miocene			S	5Y 3/2 To 10Y 3/1	CLAY CONGLOMERATE amd SANDY CLAY Major Lithologies: Top to 120 cm in Section 6 is a clast-supported CLAY CONGLOMERATE consisting of rounded to subangular mud clasts. Colors range from light to very dark gray (5Y 3/1, 3/2, 10Y 3/1 to 8/1) and brownish gray (5YR 3/2, 4/2) mud clasts. White nannofossil chalk clasts and black, glauconite-sand clasts also occur. The size of the clasts ranges from <1 to 20 cm. Smaller clasts occur in a zone between 55–130 cm in Section 2. Some zones have a sandy clay matrix which displays flow structures. A sand bed with possible cross-stratification (climbing ripples?) occurs from 13–20 cm in Section 2. From 120 cm in Section 6 to base is SANDY CLAY with mud clasts. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.
		2				P		
		3				S		
		4						
		5				P		
		6					5Y 3/2	
		7				P		
		CC				S		
						M		

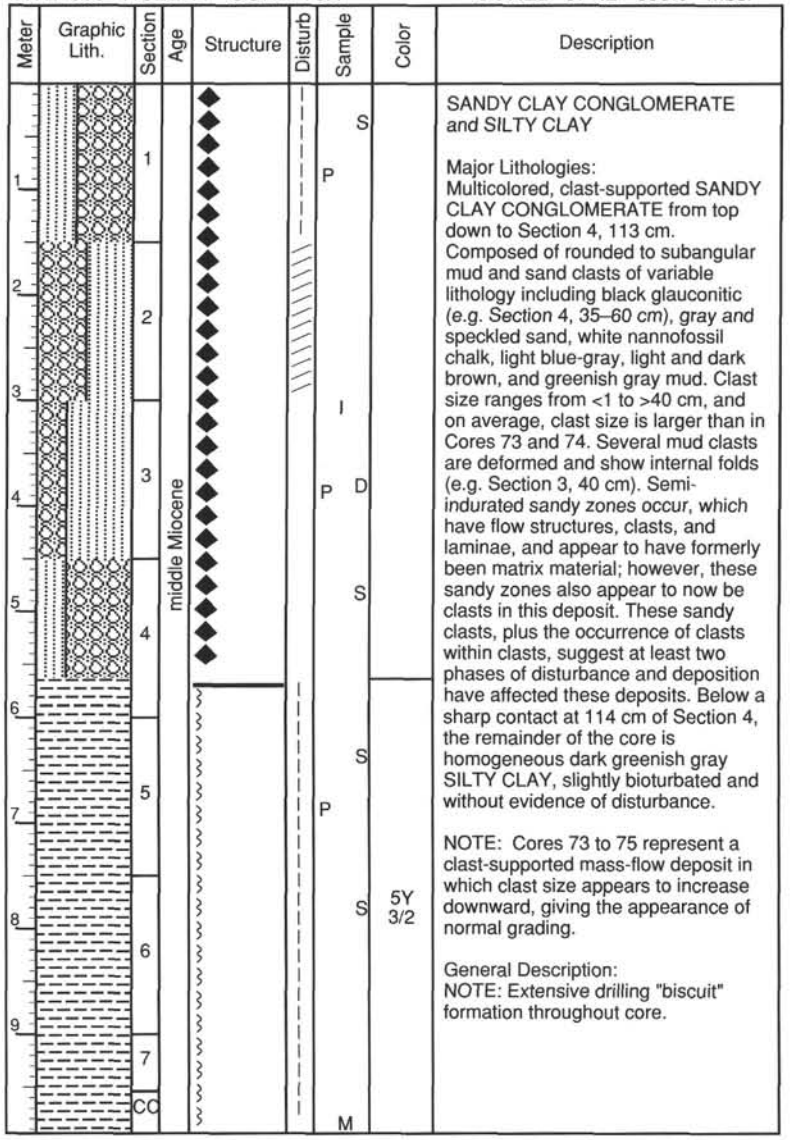


SITE 905 HOLE A CORE 74X CORED 664.5 - 674.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	middle Miocene			S, P, D, S, P, P, M	5Y 3/2 To 10Y 7/1; 5Y 3/2 To 10Y 6/1; 5Y 4/1 To 10Y 5/1	CLAY CONGLOMERATE Major Lithology: Clast-supported CLAY CONGLOMERATE composed of rounded to subangular, mud clasts of variable lithology, color, and size; similar to Core 73. Clasts include white nannofossil chalk, black glauconitic sand, dark gray to brownish gray clay to silt, and gray sand. Discordant, dipping contacts suggest clasts range in size from a few mm to >10 cm. Semi-indurated gray laminated sandy zones occur, which have flow structures and appear to have previously been matrix material; however, these zones also appear to be clasts in this deposit. These sandy clasts, plus the occurrence of clasts within clasts, suggest that at least two phases of disturbance and redeposition have affected these deposits. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



SITE 905 HOLE A CORE 75X CORED 674.2 - 683.8 mbsf

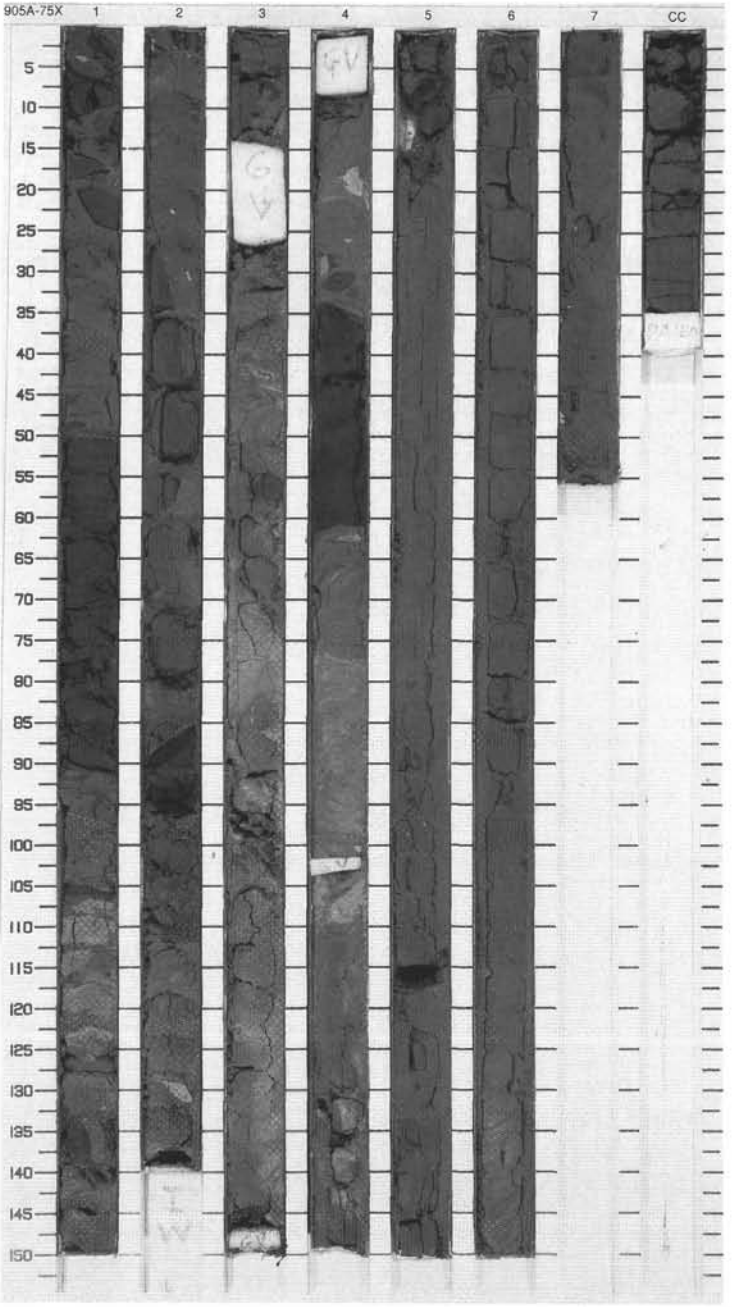


SANDY CLAY CONGLOMERATE and SILTY CLAY

Major Lithologies:
Multicolored, clast-supported SANDY CLAY CONGLOMERATE from top down to Section 4, 113 cm. Composed of rounded to subangular mud and sand clasts of variable lithology including black glauconitic (*e.g. Section 4, 35–60 cm*), gray and speckled sand, white nannofossil chalk, light blue-gray, light and dark brown, and greenish gray mud. Clast size ranges from <1 to >40 cm, and on average, clast size is larger than in Cores 73 and 74. Several mud clasts are deformed and show internal folds (e.g. Section 3, 40 cm). Semi-indurated sandy zones occur, which have flow structures, clasts, and laminae, and appear to have formerly been matrix material; however, these sandy zones also appear to now be clasts in this deposit. These sandy clasts, plus the occurrence of clasts within clasts, suggest at least two phases of disturbance and deposition have affected these deposits. Below a sharp contact at 114 cm of Section 4, the remainder of the core is homogeneous dark greenish gray SILTY CLAY, slightly bioturbated and without evidence of disturbance.

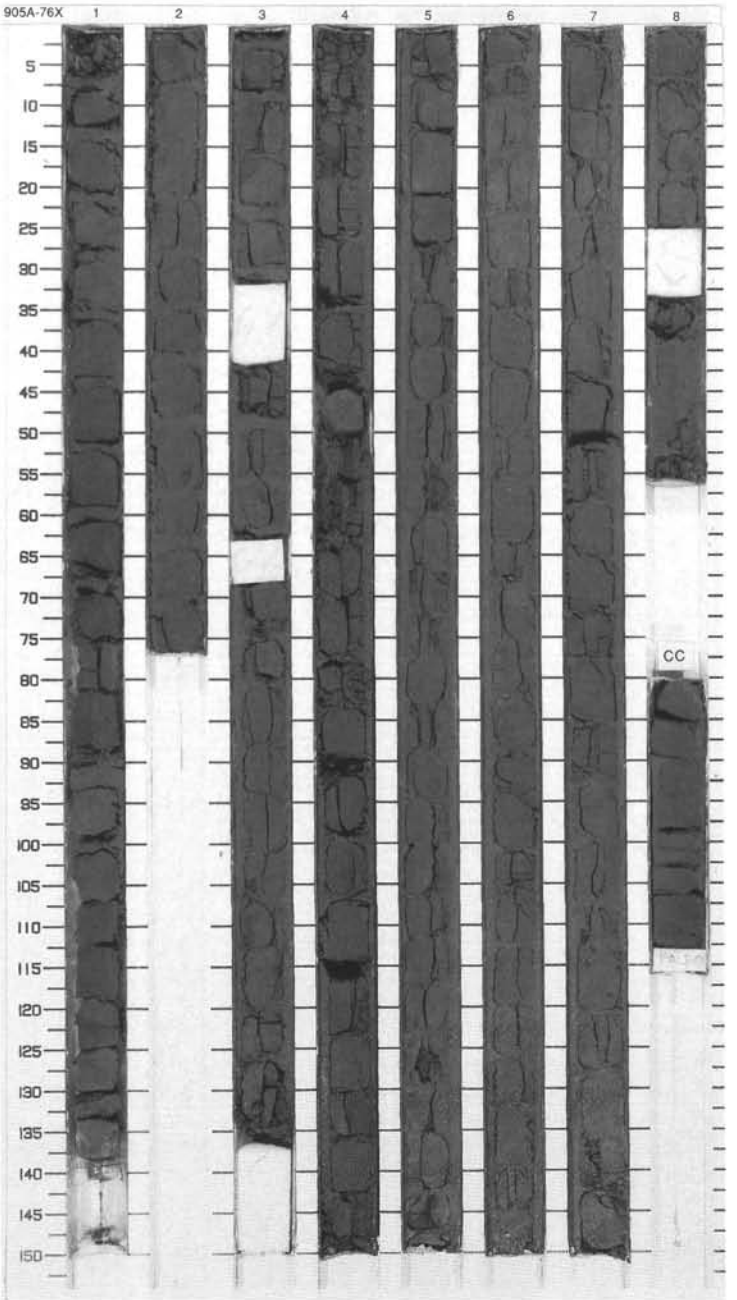
NOTE: Cores 73 to 75 represent a clast-supported mass-flow deposit in which clast size appears to increase downward, giving the appearance of normal grading.

General Description:
NOTE: Extensive drilling "biscuit" formation throughout core.



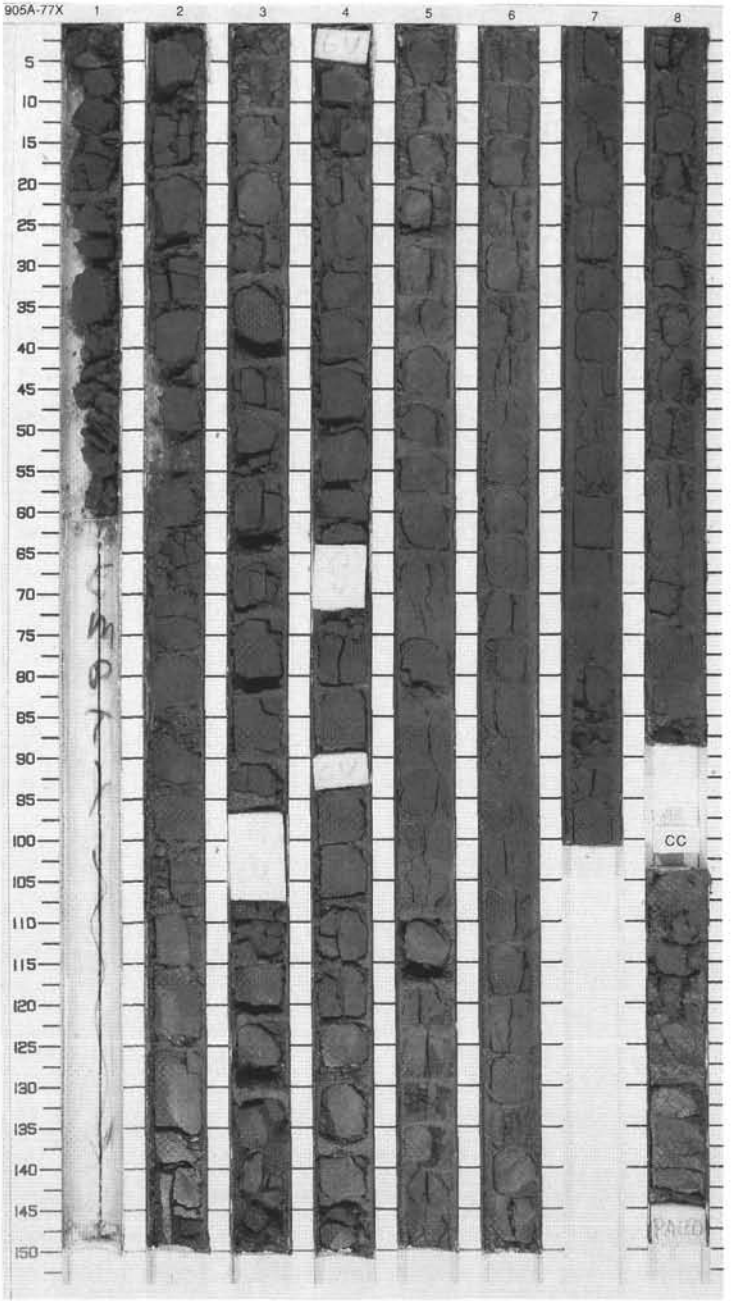
SITE 905 HOLE A CORE 76X CORED 683.8 - 693.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–8, CC	middle Miocene			S, P, S, P D, S, P, S, P, M	5Y 3/2	SILTY CLAY Major Lithology: Greenish gray SILTY CLAY, slightly bioturbated. Trace fossils generally indistinct. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



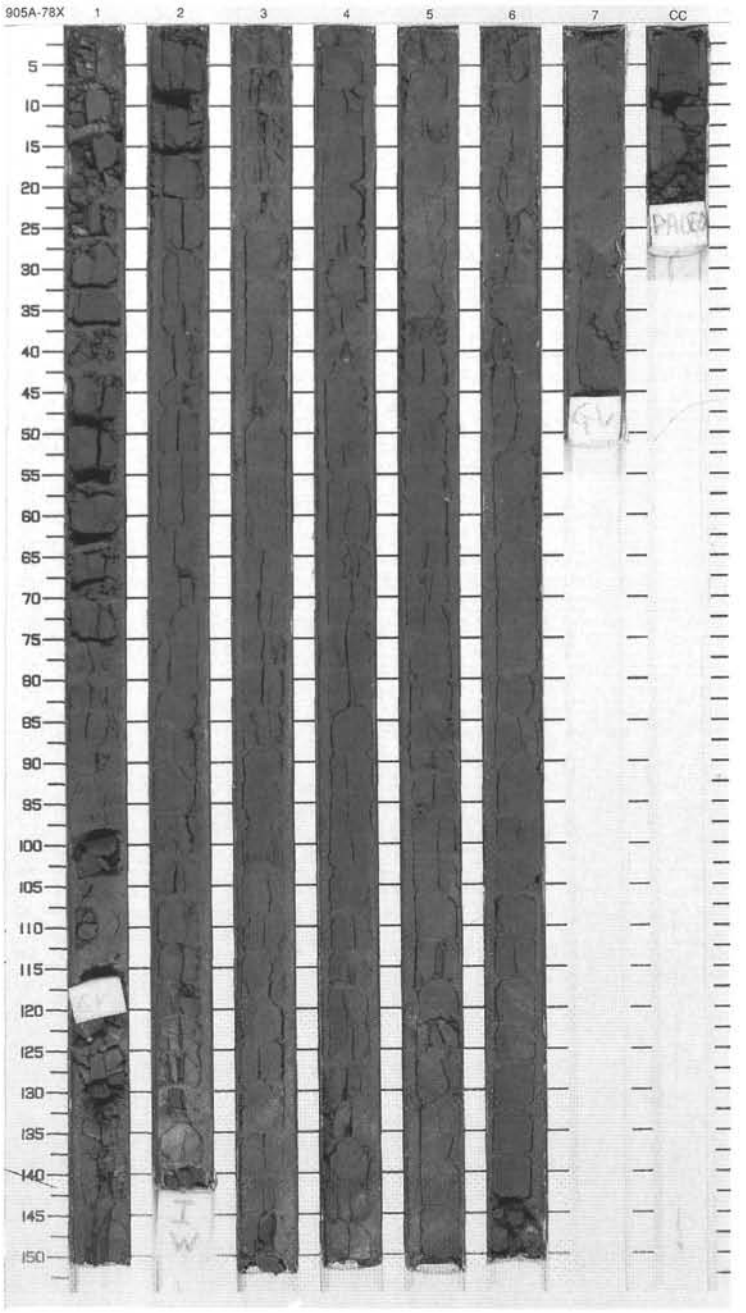
SITE 905 HOLE A CORE 77X CORED 693.4 - 702.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, CC	middle Miocene		WW	S, P, S, D, P, S, P, S, P, M	5Y 4/1	SILTY CLAY Major Lithology: Greenish gray SILTY CLAY, slightly bioturbated; trace fossils generally indistinct. General Description: NOTE: Extensive drilling "biscuit" formation throughout core. Gas voids in Section 3, 97–107 cm and Section 4, 63, 72, and 90–93 cm.



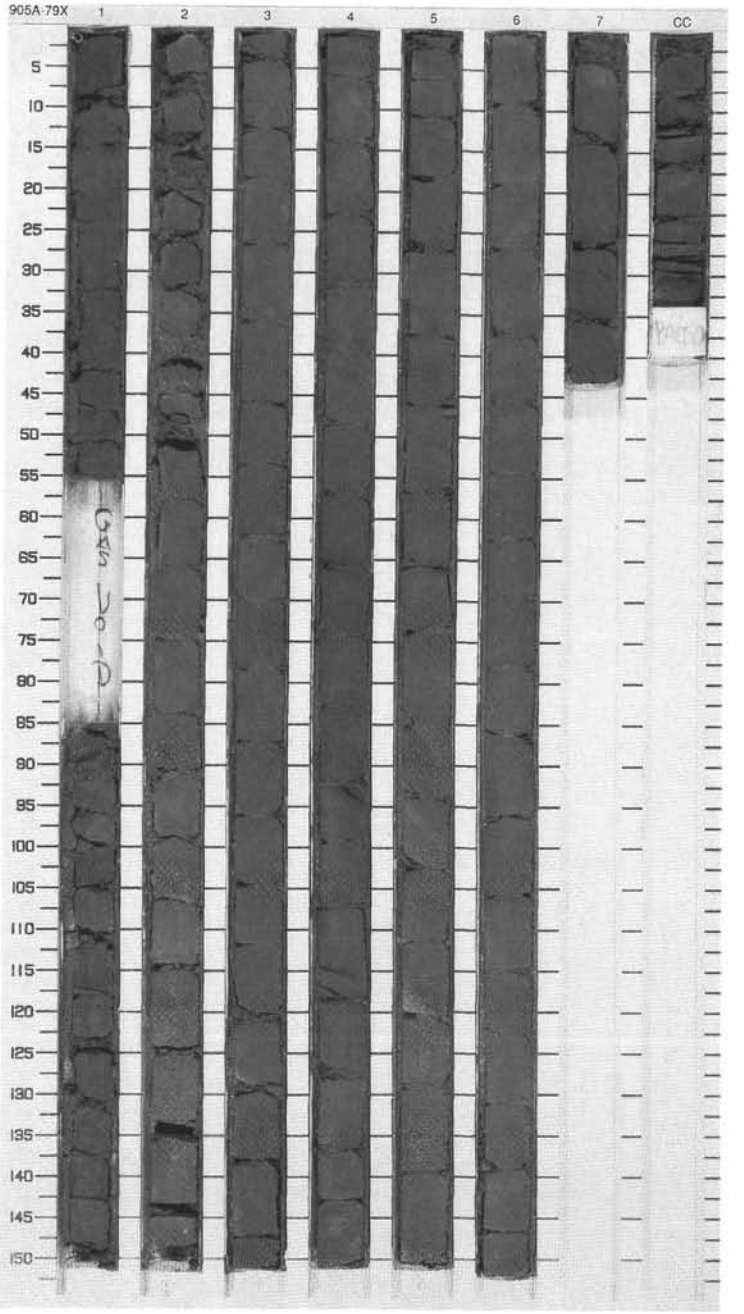
SITE 905 HOLE A CORE 78X CORED 702.9 - 712.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1, 2, 3, 4, 5, 6, 7, CC	middle Miocene			S P S I S P D S P S M	5Y 4/1	SILTY CLAY Major Lithology: Grayish green SILTY CLAY, slightly bioturbated; most trace fossils indistinct. Rare Zoophycos. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



SITE 905 HOLE A CORE 79X CORED 712.6 - 722.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9	Void	1	middle Miocene			S	5Y 3/1	SILTY CLAY Major Lithology: Very dark gray to dark greenish gray, homogeneous SILTY CLAY. Heavily burrowed with Chondrites, Planolites, Thalassinoides, and Zoophycos. These trace fossils are filled with darker sediment. *General Description:* NOTE: Extensive drilling "biscuit" formation throughout core.
		2				P		
		3				S	5GY 5/1	
		4				P D	5GY 4/1	
		5				S	5GY 5/1	
		6				P		
		7					5GY 5/1 To 5GY 4/1	
		CC				M		

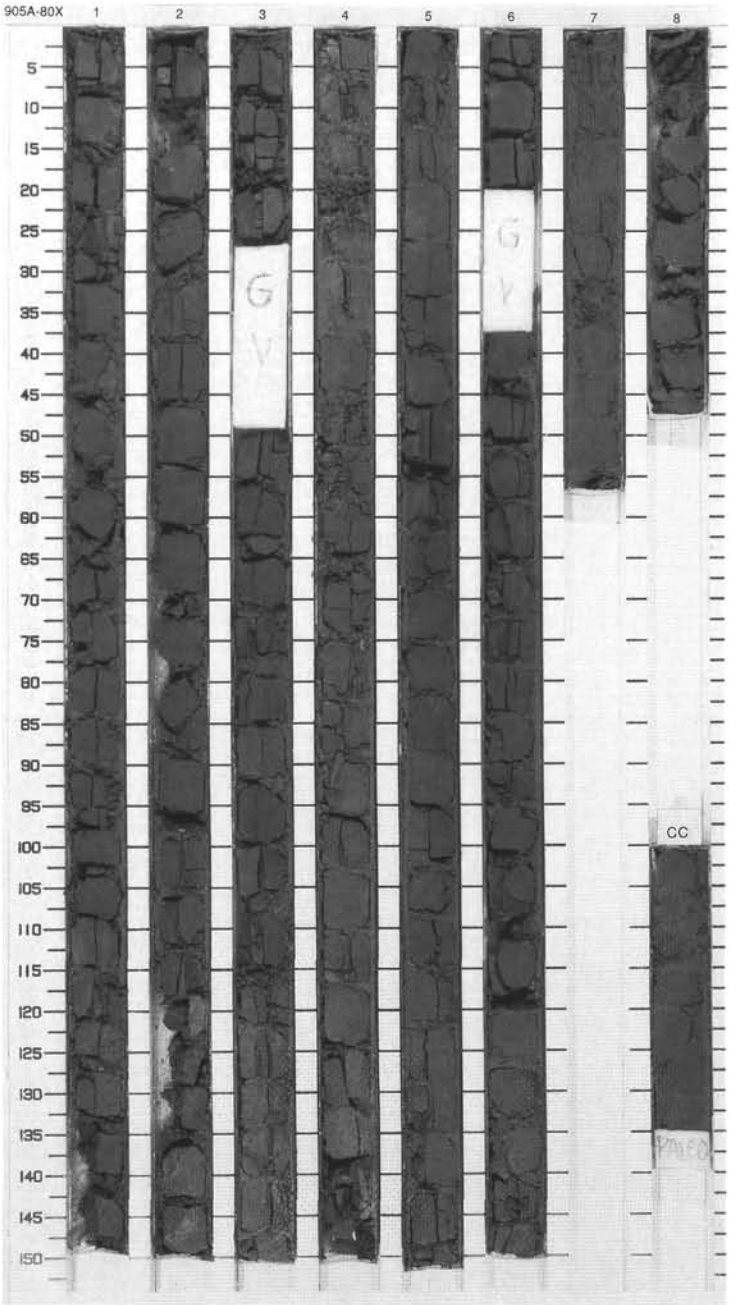


SITE 905 HOLE A CORE 80X CORED 722.2 - 731.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–CC	middle Miocene			S, P, P D, S, S, P, S, M	5GY 5/1 To 5GY 4/1; 10Y 4/2; 10Y 4/2 To 10Y 5/2; 10Y 4/2; 10Y 4/1	SILTY CLAY Major Lithology: Dark greenish gray, dark gray and dark olive gray, homogeneous SILTY CLAY. Some zones heavily bioturbated; Planolites commonly filled with darker sediment. Very fine glauconite sand is scattered between 110–138 cm in Section 3. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.

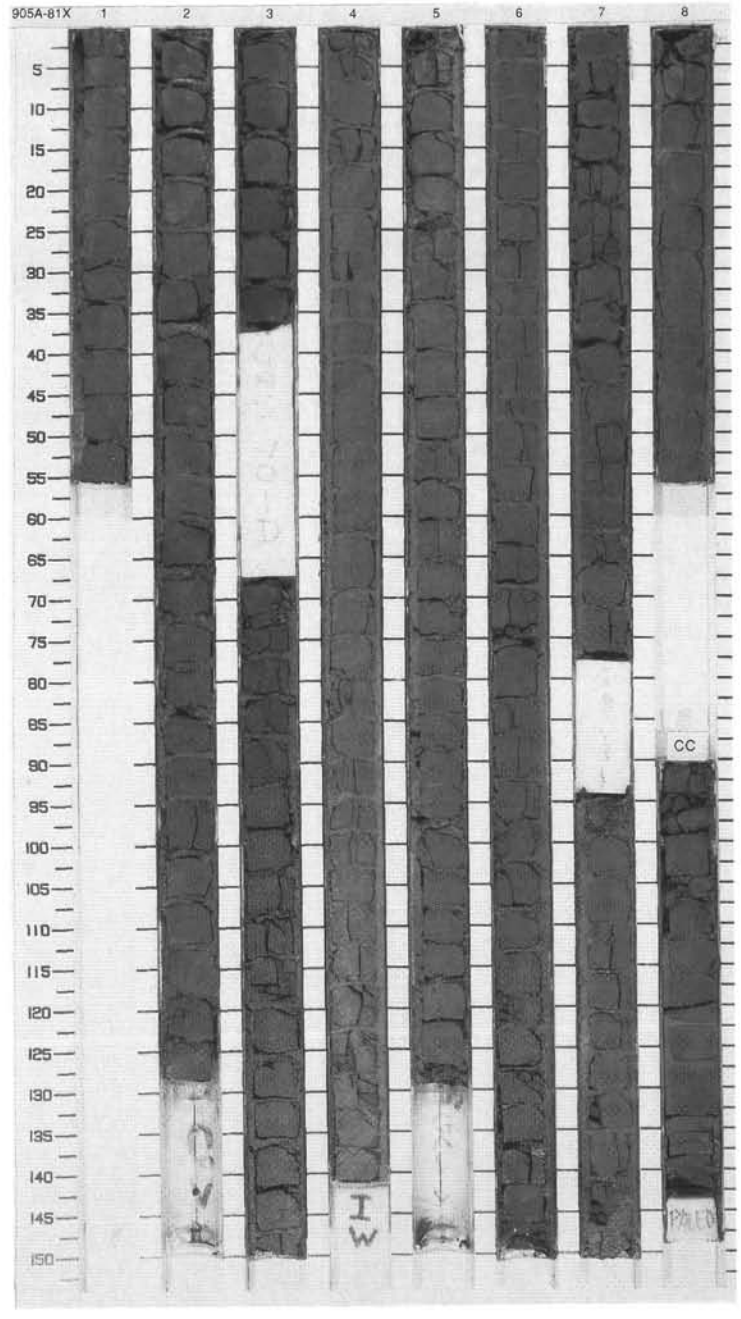
Void

Void



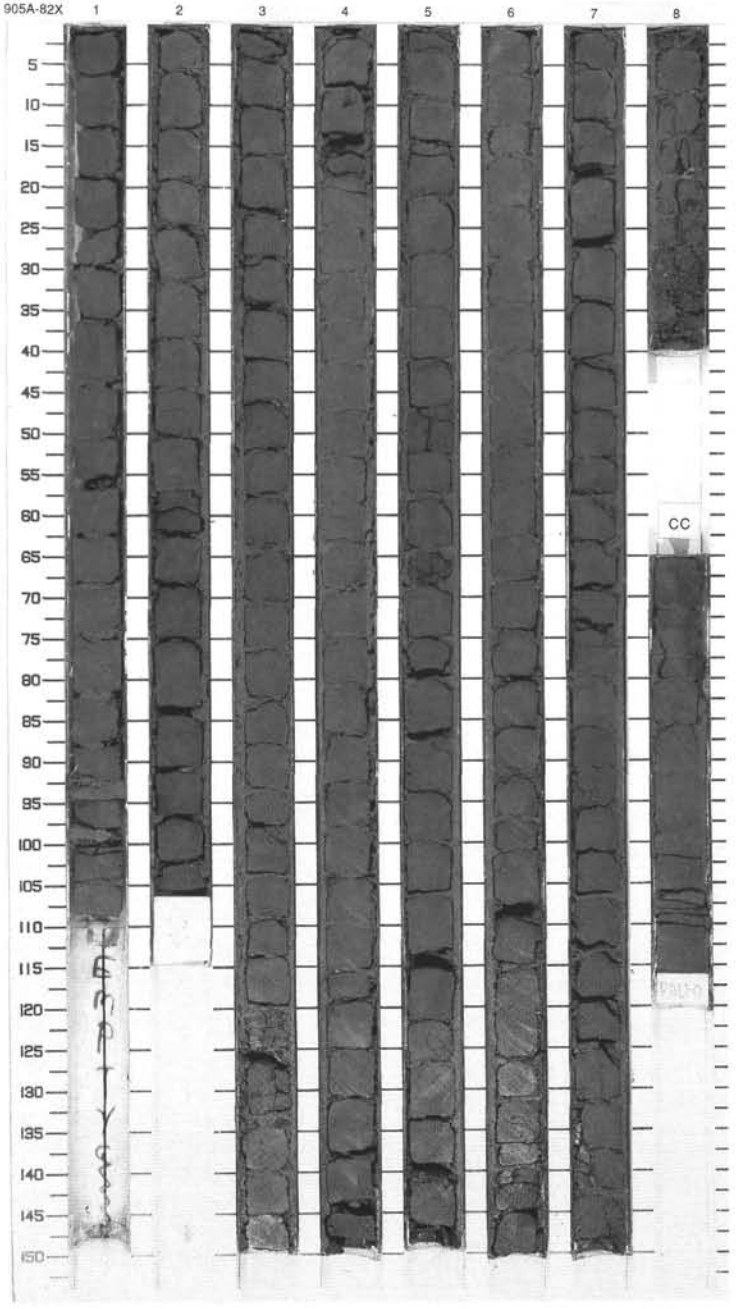
SITE 905 HOLE A CORE 81X CORED 731.8 - 741.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	middle Miocene					SILTY CLAY
		2				S P	10Y 4/1 To 10Y 4/2	Major Lithology: Gray to very dark gray, and olive gray intervals of homogeneous SILTY CLAY. Some zones heavily burrowed. Distinct burrows filled with darker color sediment are visible in lighter color intervals, and include Chondrites, Planolites, and Zoophycos.
2	Void							
	Void	3				D	5Y 3/1 To 5Y 4/1	General Description: NOTE: Extensive drilling "biscuit" formation throughout core. Several gas voids.
3							5Y 4/1	
4		4				S P		
5						S	10Y 5/1 To 10Y 4/1	
6		5						
	Void							
7		6				S P	10Y 4/1 To 10Y 3/1	
8						S	10Y 4/1	
		7					10Y 5/1	
9	Void							
		8					10Y 5/1 To 10Y 4/1	
10		CC				M		



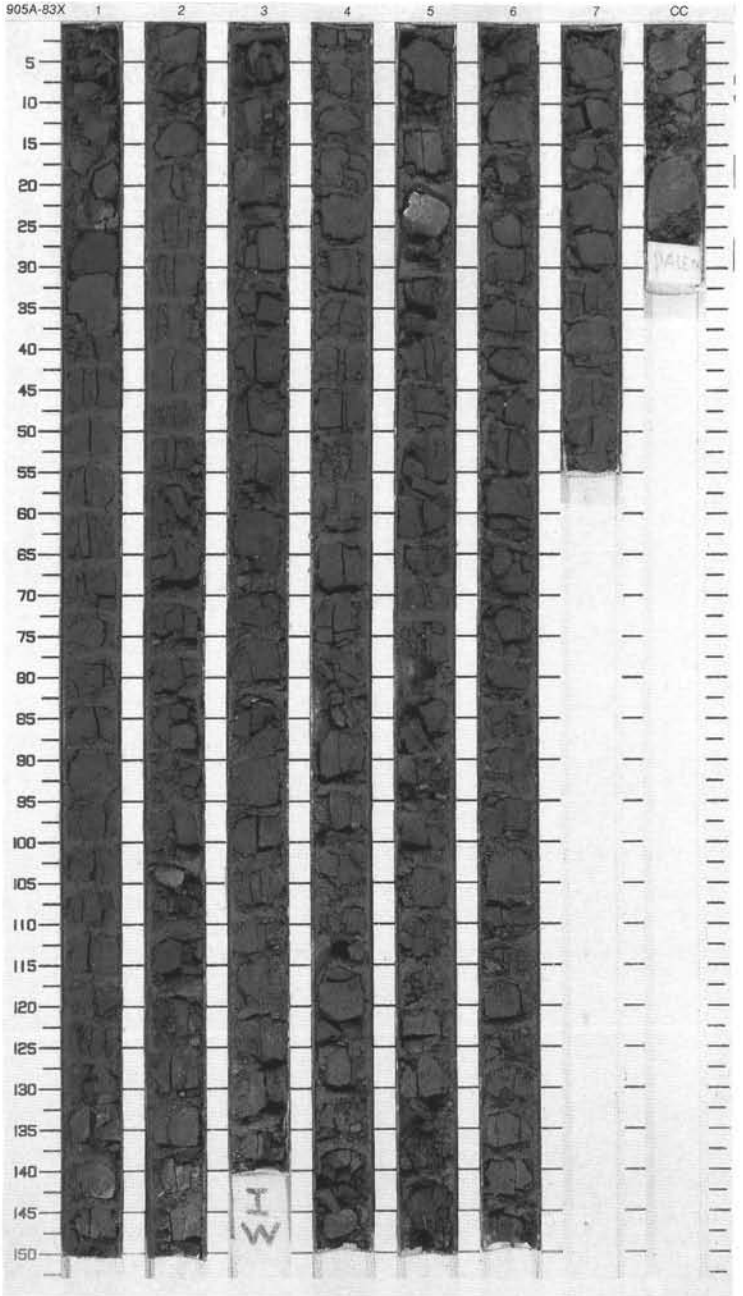
SITE 905 HOLE A CORE 82X CORED 741.5 - 751.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, 8, CC	middle Miocene			S, P, S, P D, S, P, S, M	10Y 4/1 To 10Y 4/2	SILTY CLAY Major Lithology: Homogeneous gray to olive-gray, moderately to heavily bioturbated SILTY CLAY with scattered wood fragments (1 cm) and scattered rare foraminifers. Burrows include common Planolites and rare Zoophycos. General Description: Note: Extensive drilling "biscuit" formation throughout core.



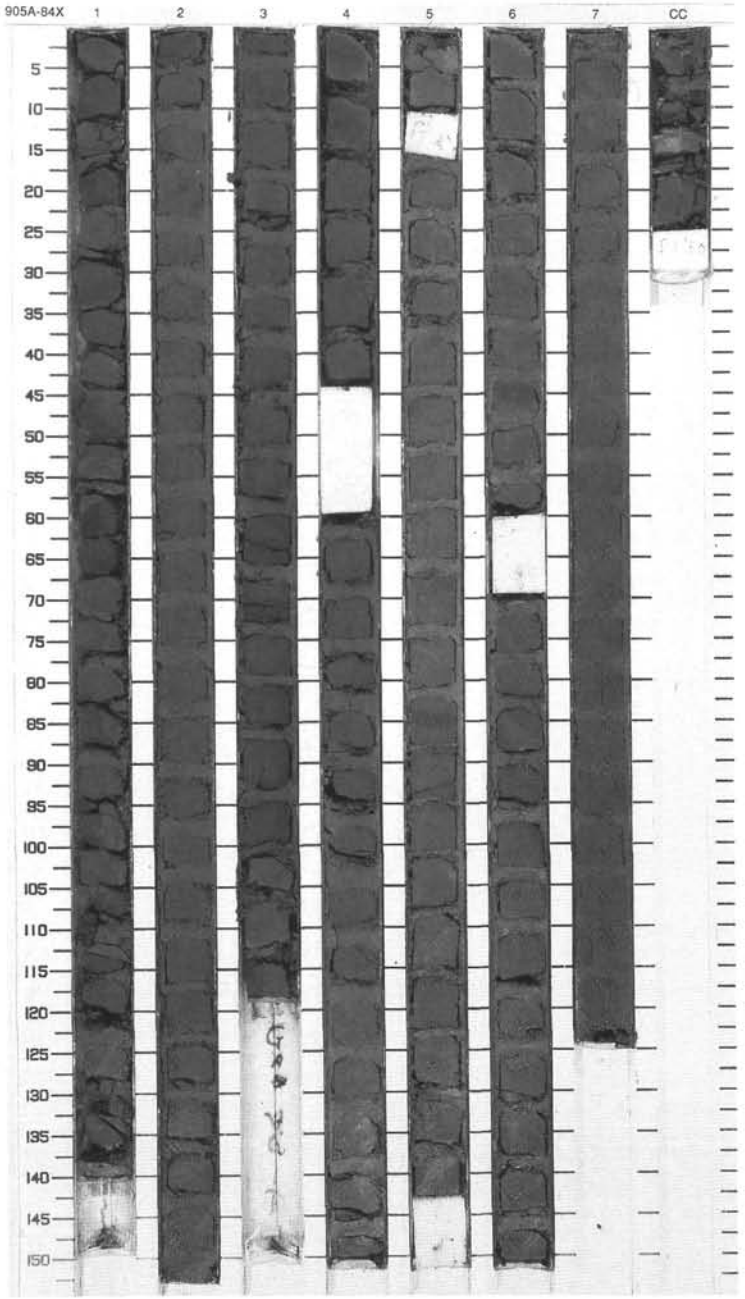
SITE 905 HOLE A CORE 83X CORED 751.1 - 760.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10	Void; Void	1–7, CC	middle Miocene		W	S, P, S, D, P, S, P, S, M	10Y 4/1 To 10Y 4/2	SILTY CLAY Major Lithology: Homogeneous gray to olive-gray, slightly to heavily burrowed SILTY CLAY with occasional thin, mm- to cm-scale shell fragments. Burrows include Planolites, Chondrites and Thalassinoides(?) in darker zones of Section 5, 83–85 cm, and Section 6, 40–43 cm. General Description: NOTE: Extensive drilling "biscuit" formation throughout core. Numerous gas voids.



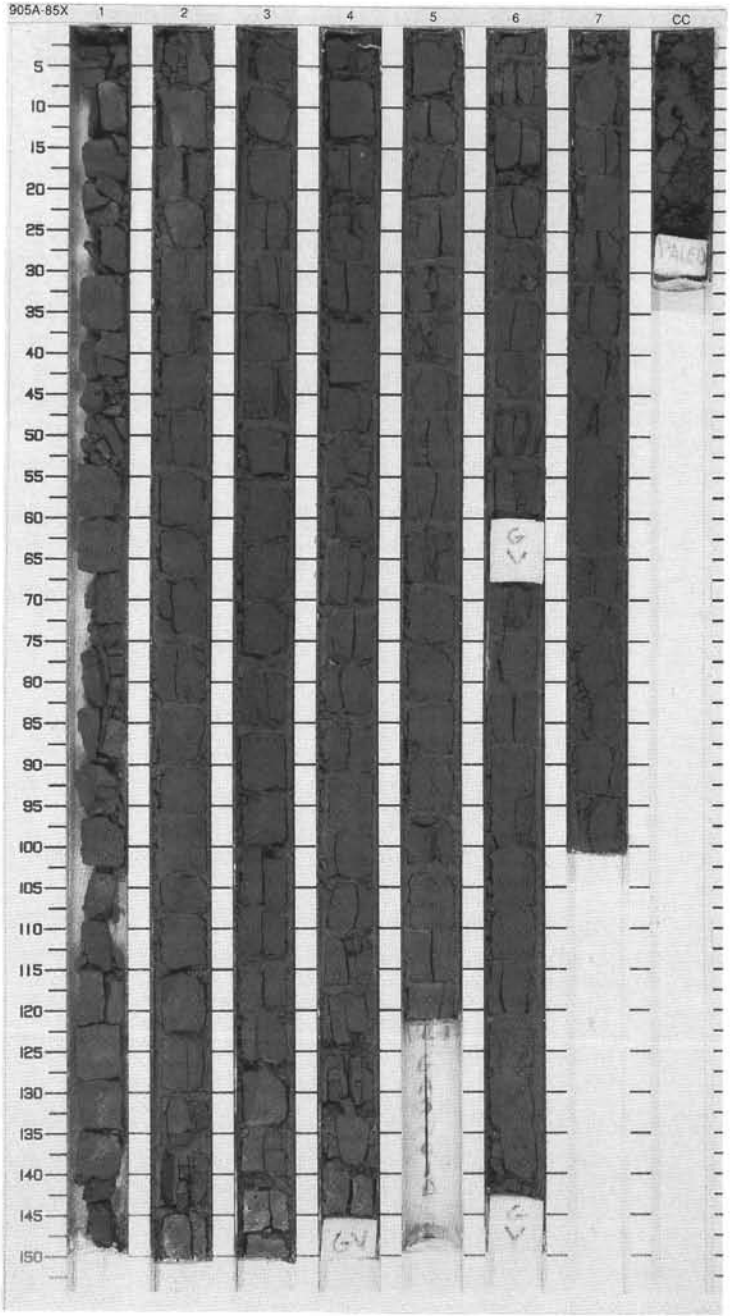
SITE 905 HOLE A CORE 84X CORED 760.7 - 770.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	middle Miocene		W	S, P, S, P, D, I, S, P, S	10Y 4/1 To 10Y 4/2	SILTY CLAY Major Lithology: Homogeneous, slightly to moderately burrowed, gray to olive-gray SILTY CLAY. Planolites and Chondrites are common. Occurrence of rare foraminifers in Section 5. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



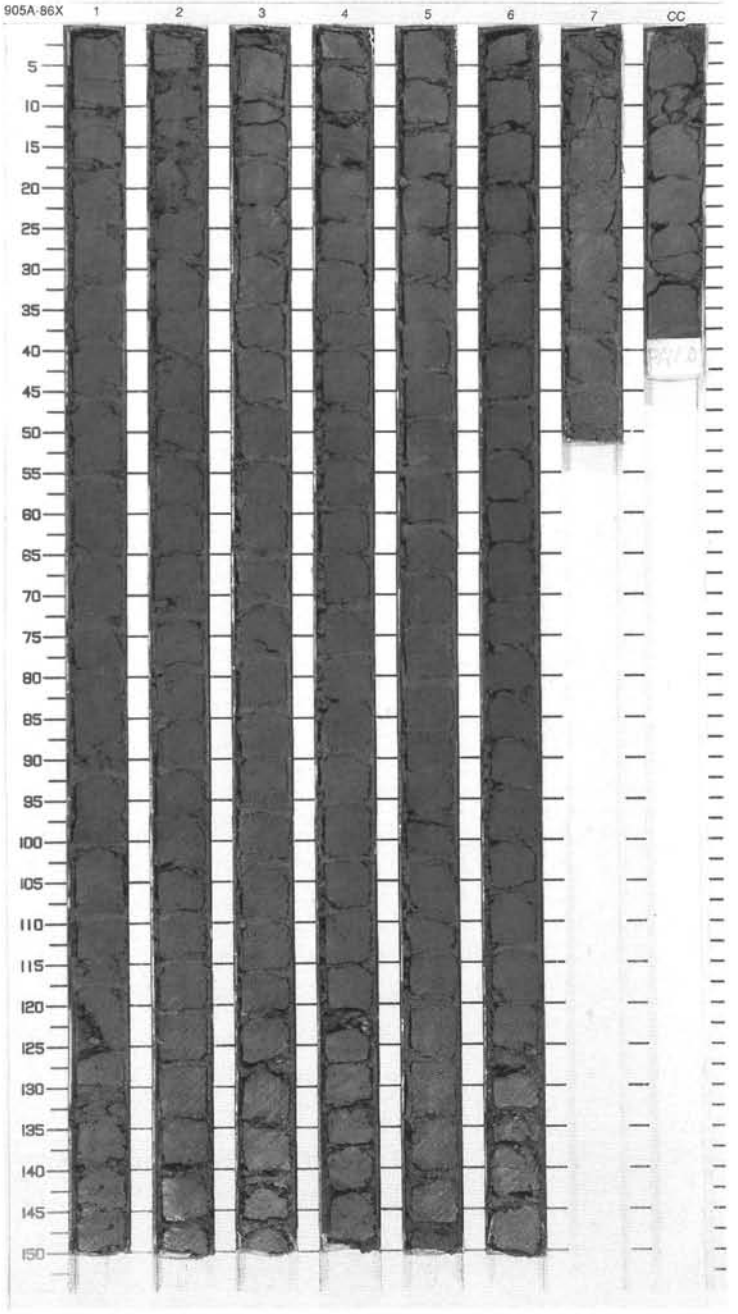
SITE 905 HOLE A CORE 85X CORED 770.4 - 780.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10	Void	1–7, CC	middle Miocene			S, P, S, P, S, P, S, M	10Y 4/2	SILTY CLAY Major Lithology: Homogeneous, slightly burrowed, olive-gray SILTY CLAY. General Description: NOTE: Extensive drilling "biscuit" formation throughout core. Numerous gas voids.



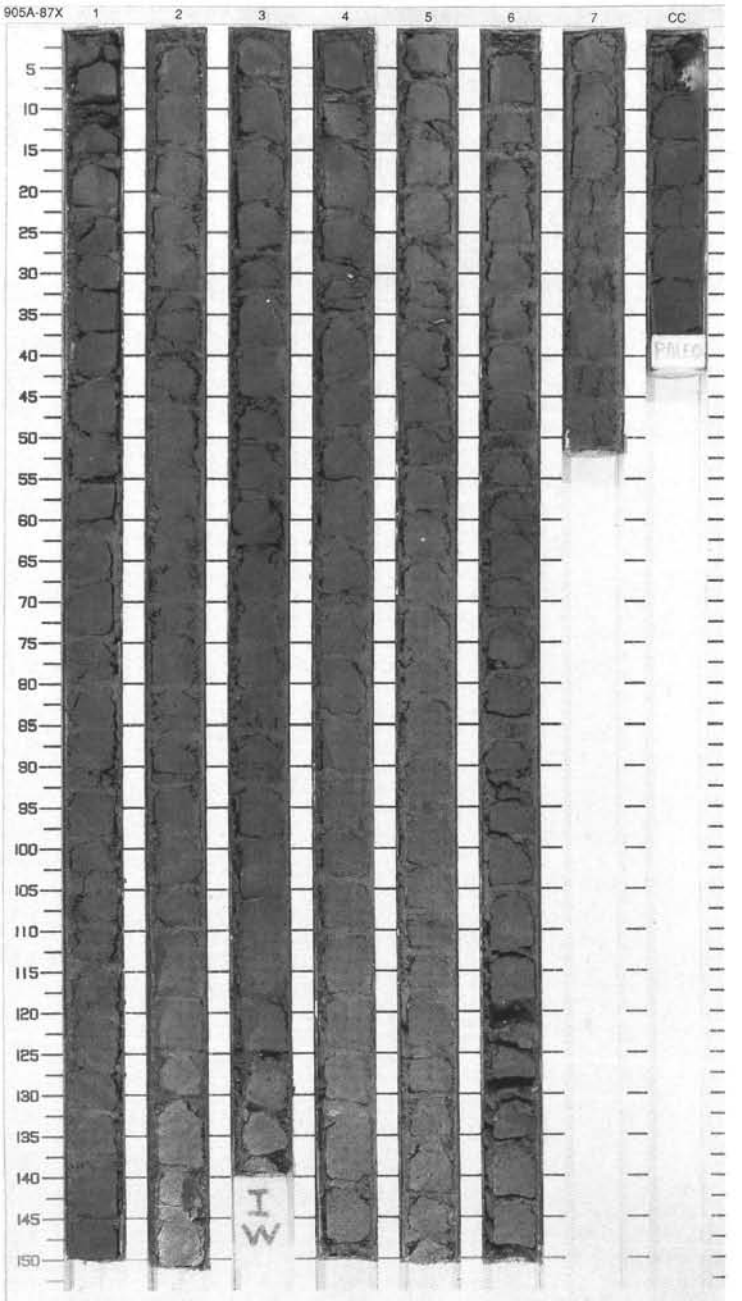
SITE 905 HOLE A CORE 86X CORED 780.1 - 789.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	middle Miocene			S, P, S, P D, S, P, S, M	10Y 4/2	SILTY CLAY Major Lithology: Homogeneous, olive-gray, slightly to heavily burrowed SILTY CLAY with rare, thin shell fragments (mm). Planolites and Chondrites are common. General Description: Note: Extensive drilling "biscuit" formation throughout core.



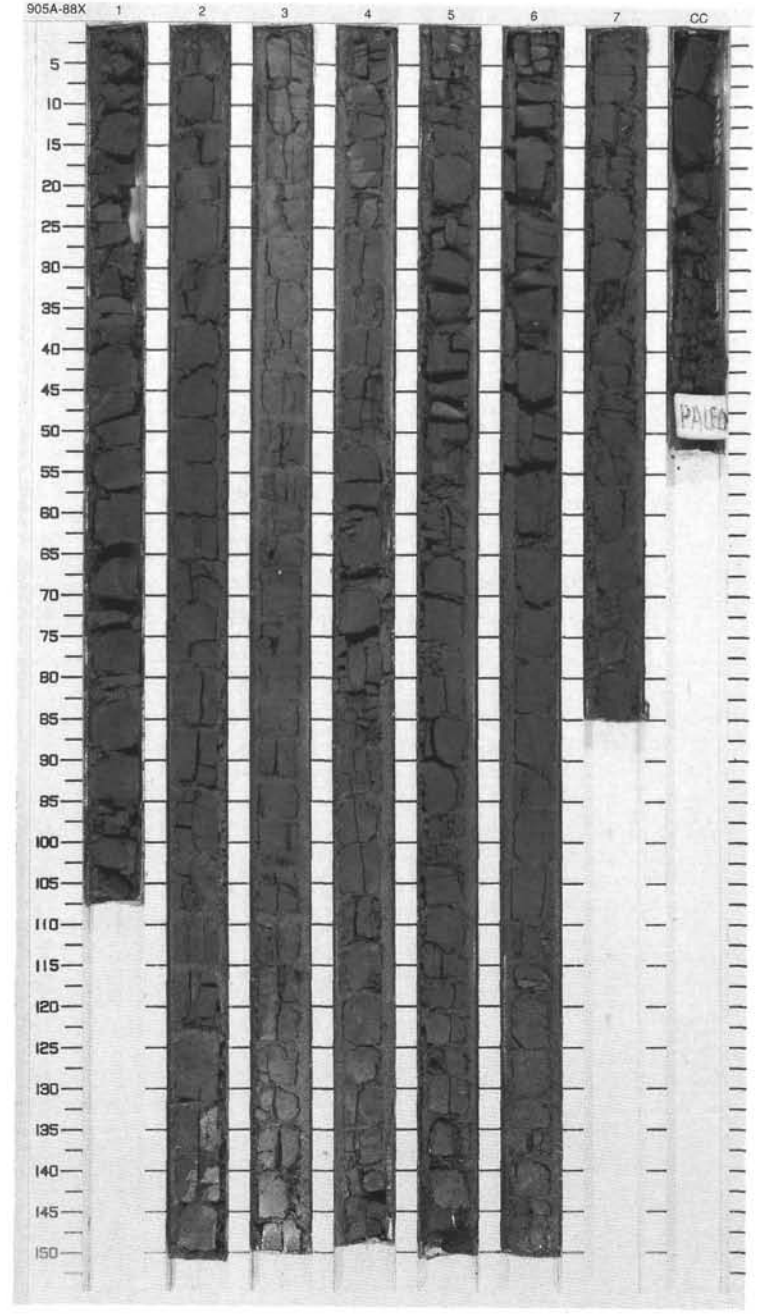
SITE 905 HOLE A CORE 87X CORED 789.7 - 799.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	middle Miocene			S, P, S, P D, I, S, P, S, M	5Y 4/2	SILTY CLAY Major Lithology: Homogeneous, moderately bioturbated, olive greenish gray SILTY CLAY. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



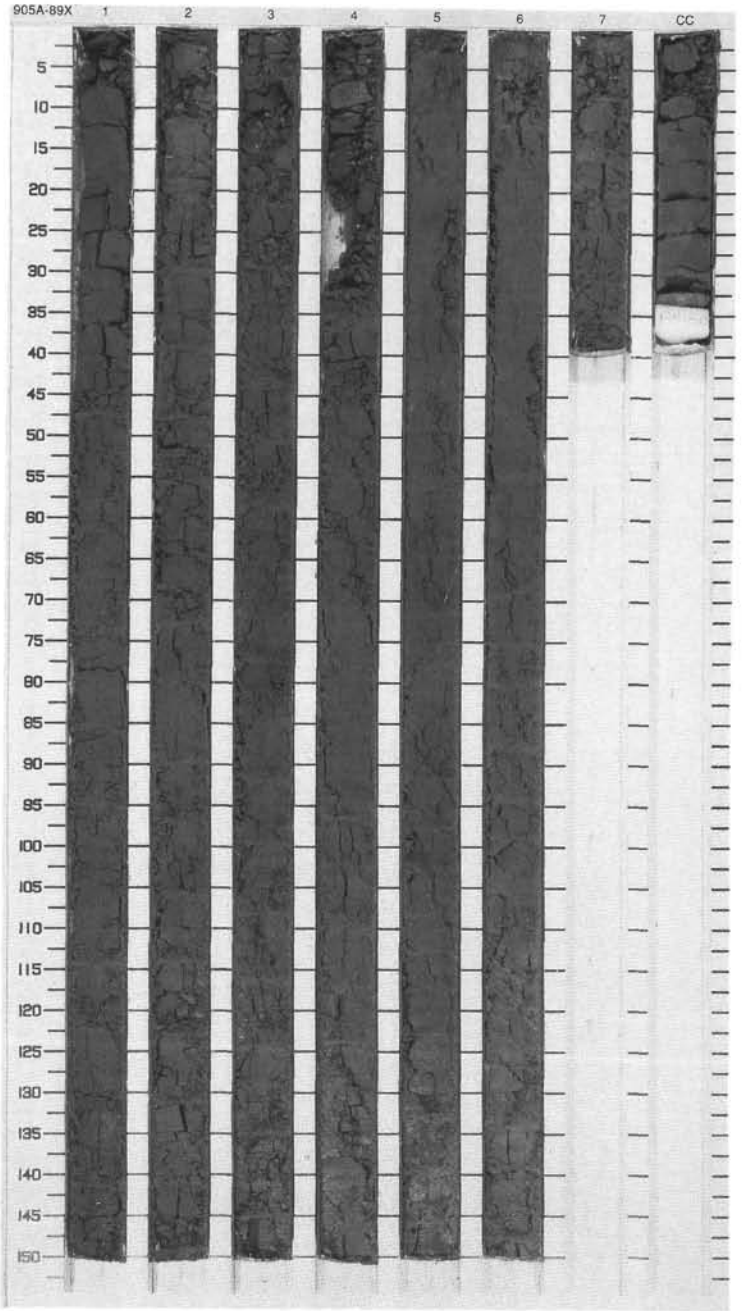
SITE 905 HOLE A CORE 88X CORED 799.4 - 809.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	middle Miocene			S, P, S, P D, S, P, S, M	5Y 4/2; 10Y 4/2; 10Y 4/2 To 5Y 4/2; 5Y 4/2	SILTY CLAY Major Lithology: Homogeneous, olive greenish gray, *slightly to heavily bioturbated* SILTY CLAY. Subtle variations of color occur. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



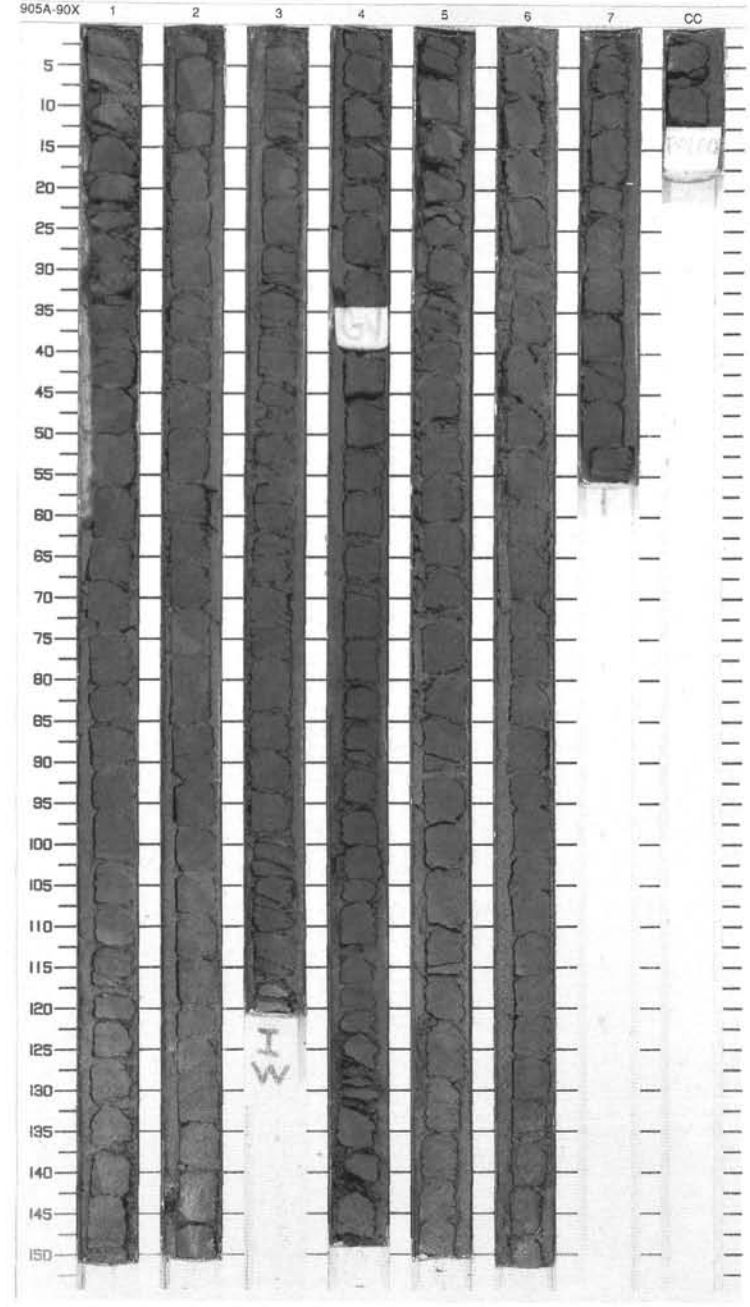
SITE 905 HOLE A CORE 89X CORED 809.1 - 818.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	middle Miocene			S, P, S, P, D, P, S, M	10Y 4/2	SILTY CLAY Major Lithology: Homogeneous, slightly bioturbated, olive greenish-gray SILTY CLAY. General Description: Note: Extensive drilling "biscuit" formation throughout core.



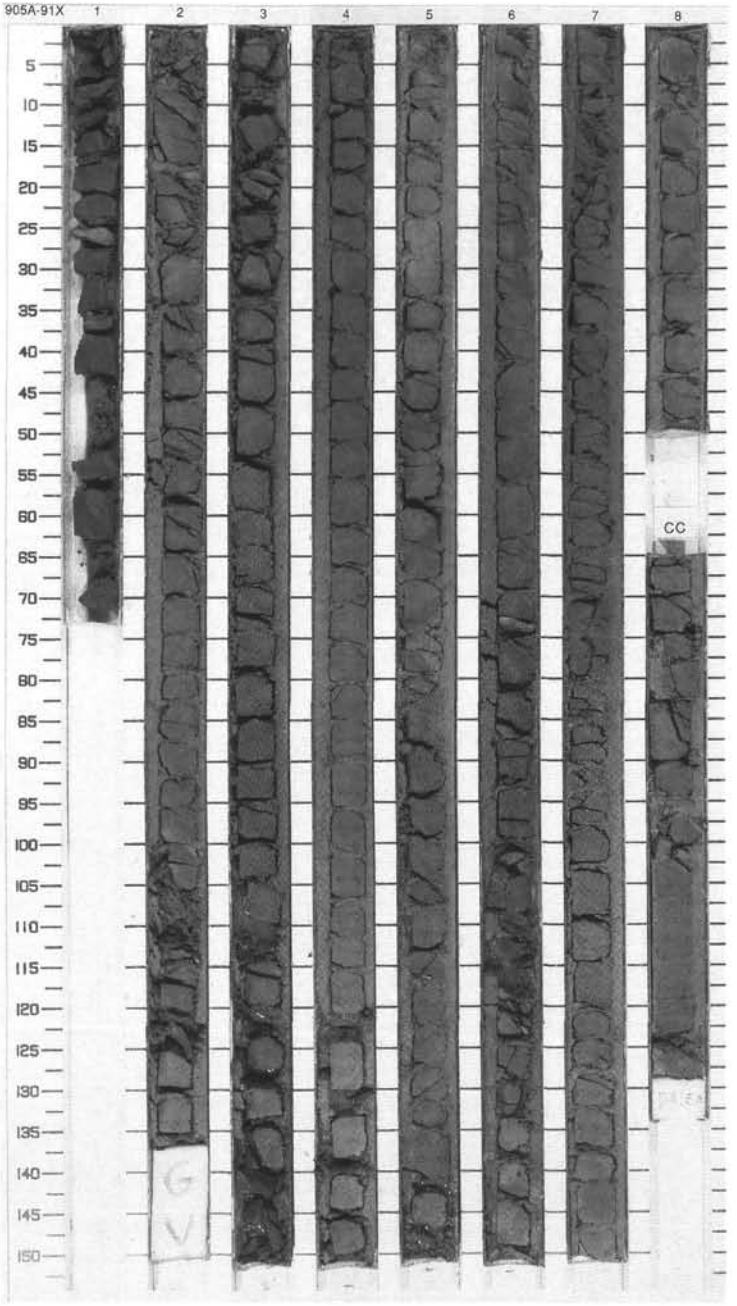
SITE 905 HOLE A CORE 90X CORED 818.7 - 828.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–9		1–7, CC	middle Miocene			S, P, S, P, I, S, P, D, S, M	5Y 4/1 To 5Y 4/2	SILTY CLAY Major Lithology: Homogeneous, silghtly to moderately bioturbated, olive greenish gray SILTY CLAY. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



SITE 905 HOLE A CORE 91X CORED 828.4 - 838.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10	Void	1	middle Miocene		W	S	10Y 3/1	SILTY CLAY Major Lithology: Homogeneous, dark gray to olive gray SILTY CLAY. Gradational color changes are common. Burrows include Planolites, Chondrites, and rare Zoophycos. Thalassinoides and Terebellina(?) occur in CC. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.
		2			W	P	10Y 4/1 To 10Y 4/2	
		3			W	S D		
		4			W	P	10Y 4/1	
		5			W	S	10Y 4/1 To 10Y 4/2	
		6			W	P	10Y 4/1 To 10Y 3/1	
		7			W	S		
		8			W	P	10Y 4/1 To 10Y 4/2	
		CC			W	M		



SITE 905 HOLE A CORE 92X CORED 838.0 - 847.7 mbsf

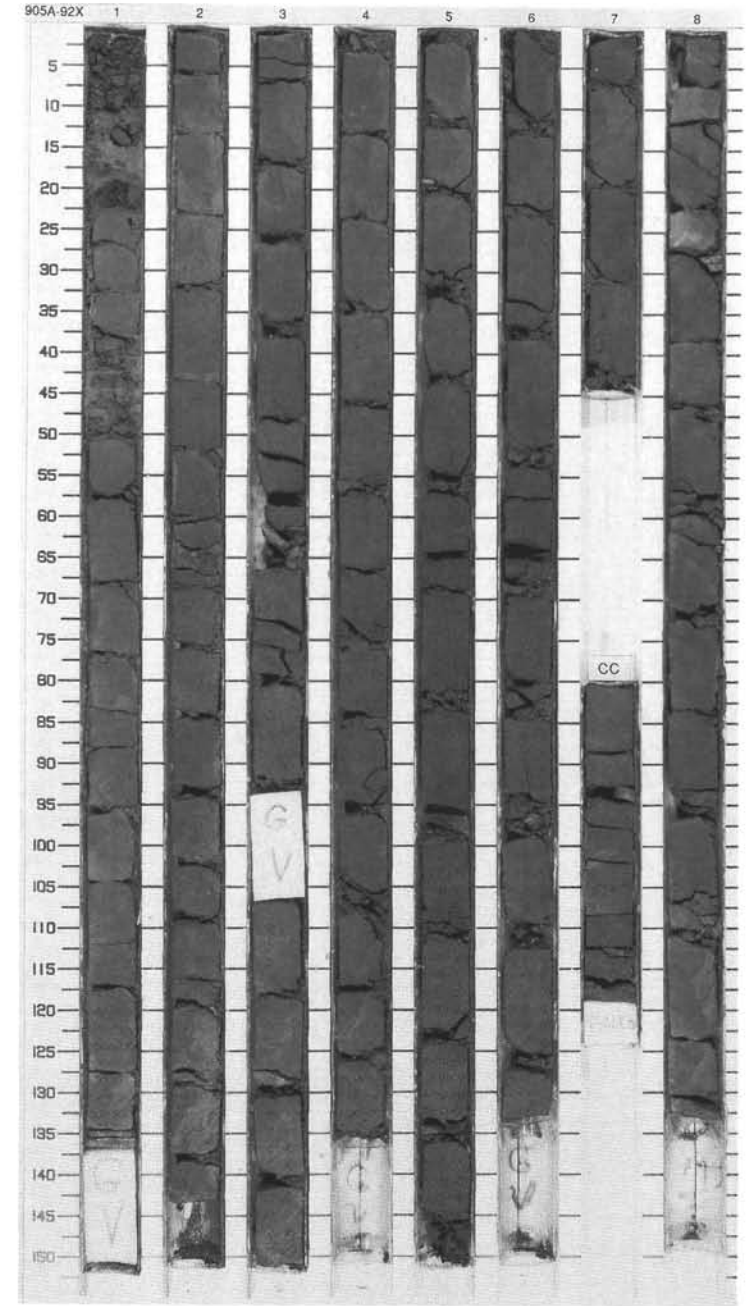
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–11		1–8, CC	middle Miocene			S, P, S, D, P, D, S, P, S, P, M	10Y 4/2	SILTY CLAY Major Lithology: Homogeneous, olive greenish gray, moderately to heavily bioturbated SILTY CLAY. Burrows include Zoophycos, Planolites, and Chondrites. General Description: NOTE: Extensive drilling "biscuit" formation throughout core. Numerous gas voids.

Void

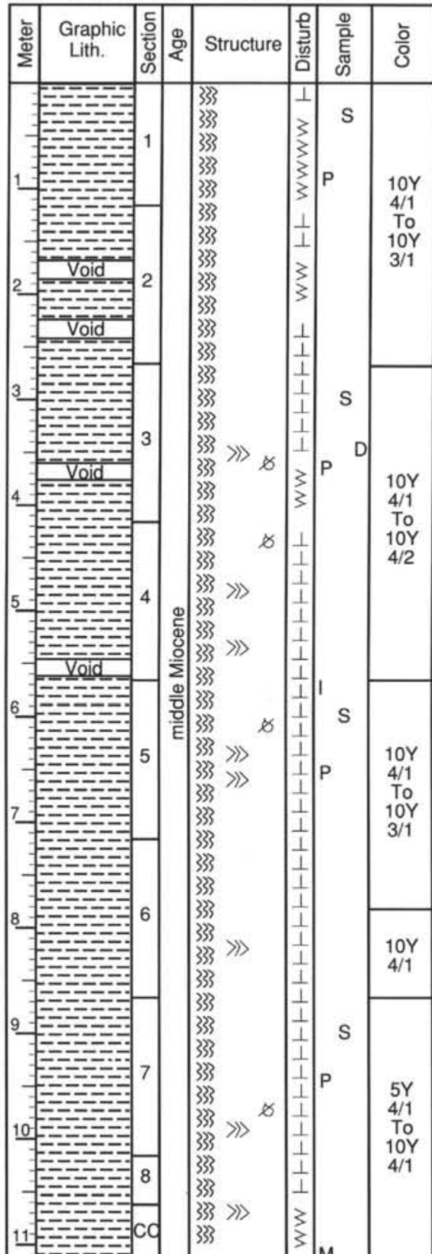
Void

Void

Void



SITE 905 HOLE A CORE 93X CORED 847.7 - 857.4 mbsf

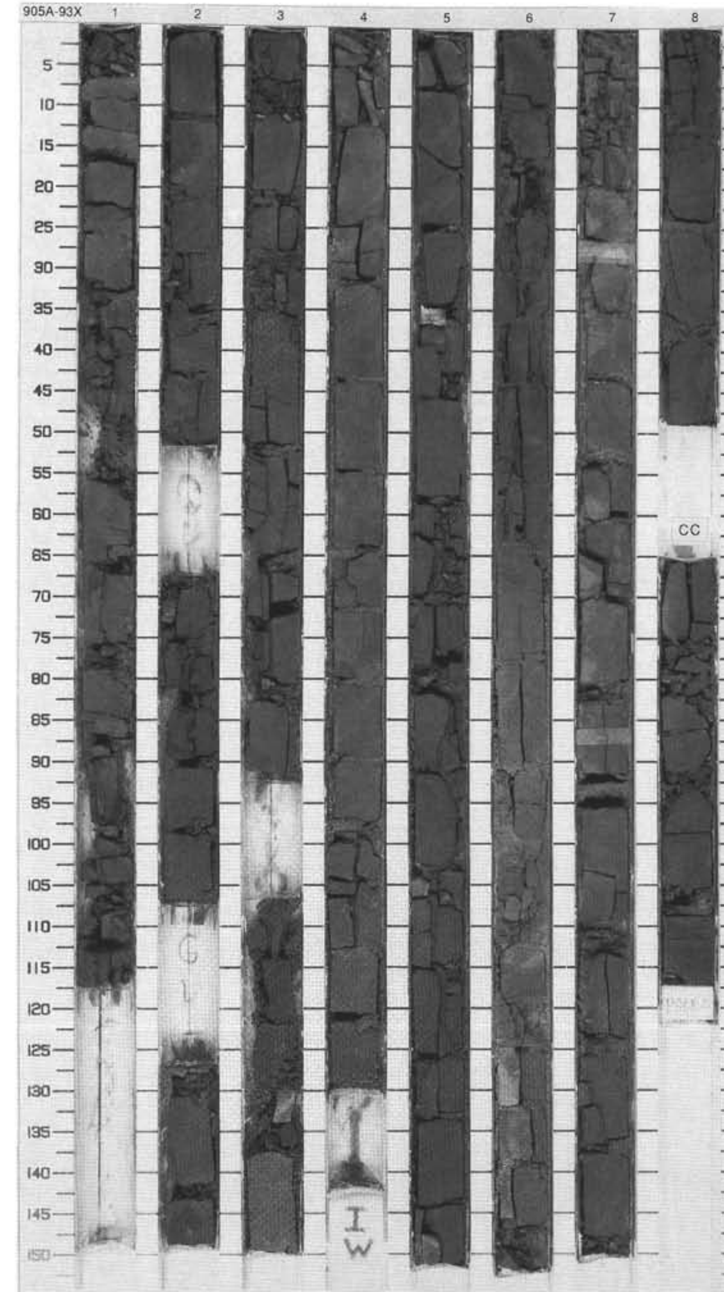


Description

SILTY CLAY

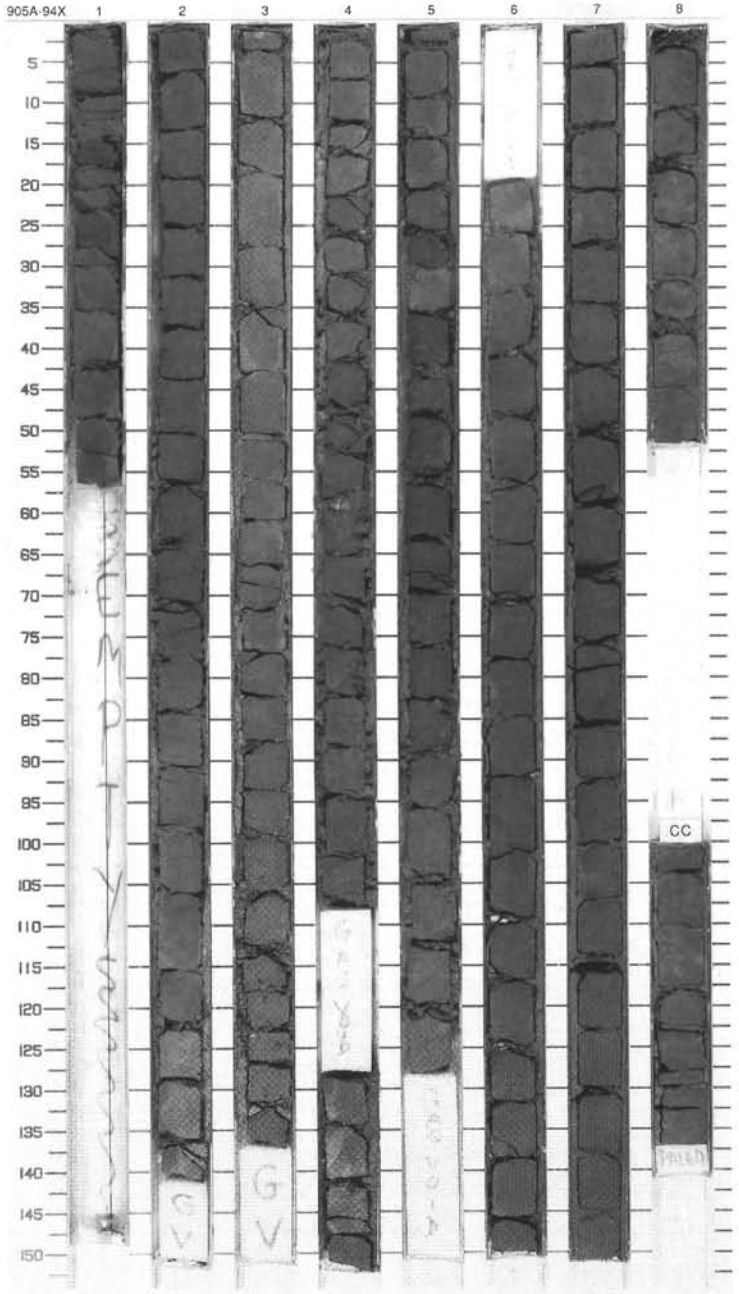
Major Lithology:
Homogeneous, dark gray to very dark gray, heavily bioturbated SILTY CLAY. Common Planolites, Chondrites, and Zoophycos.

General Description:
NOTE: Extensive drilling "biscuit" formation and gas voids throughout core.



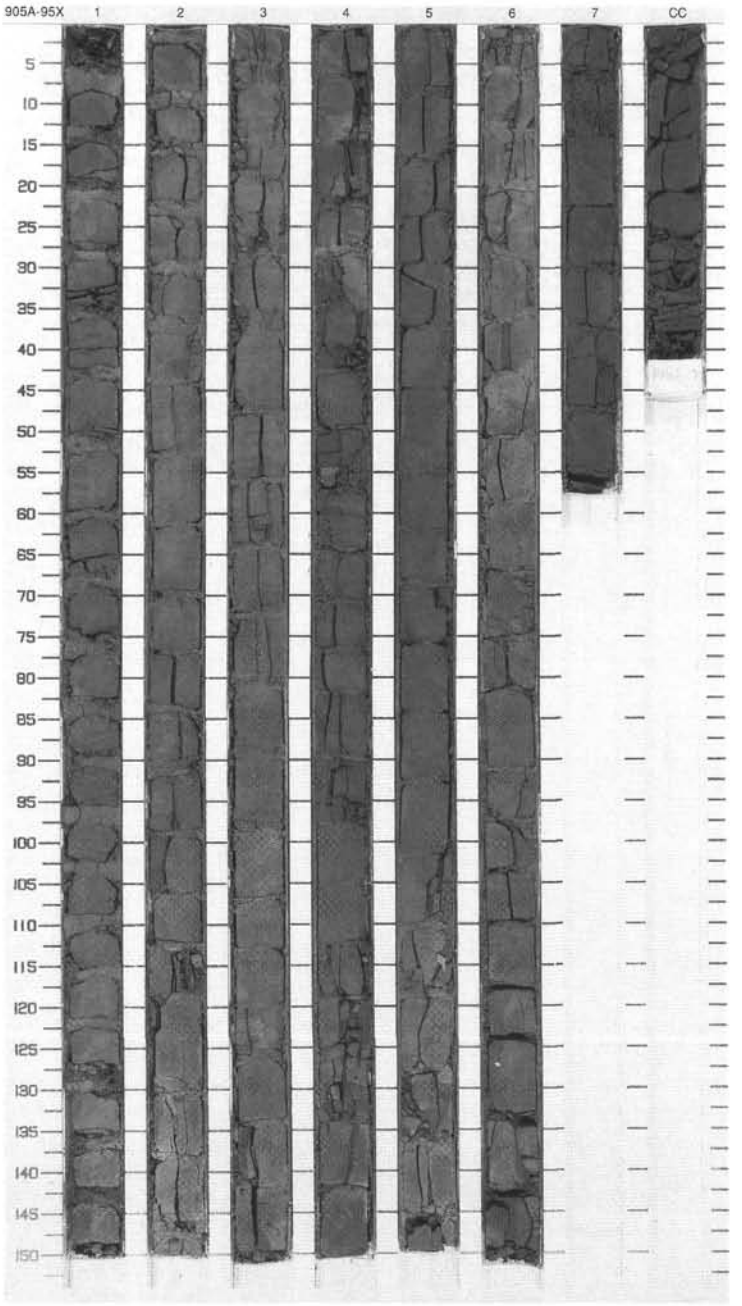
SITE 905 HOLE A CORE 94X CORED 857.4 - 867.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1	middle Miocene			S	10YR 4/1	SILTY CLAY Major Lithology: Dark olive and brownish gray, heavily bioturbated SILTY CLAY. Burrows include abundant Planolites, and common Teichichnus (e.g., Section 2, 90–100 cm), Thalassinoides, and Zoophycos. General Description: NOTE: Extensive drilling "biscuit" formation throughout core. Abundant gas voids.
		2				P	10YR 4/1 To 10Y 4/1	
		3				S	10Y 4/1	
	Void							
		4				P	10Y 4/1 To 10YR 4/1	
	Void					D		
		5				S	10YR 4/1	
	Void						10Y 4/1	
		6				P	10Y 4/1 To 10YR 4/1	
		7				S	10YR 4/1	
		8					10YR 4/1 To 5G 5/1	
		CC				M		



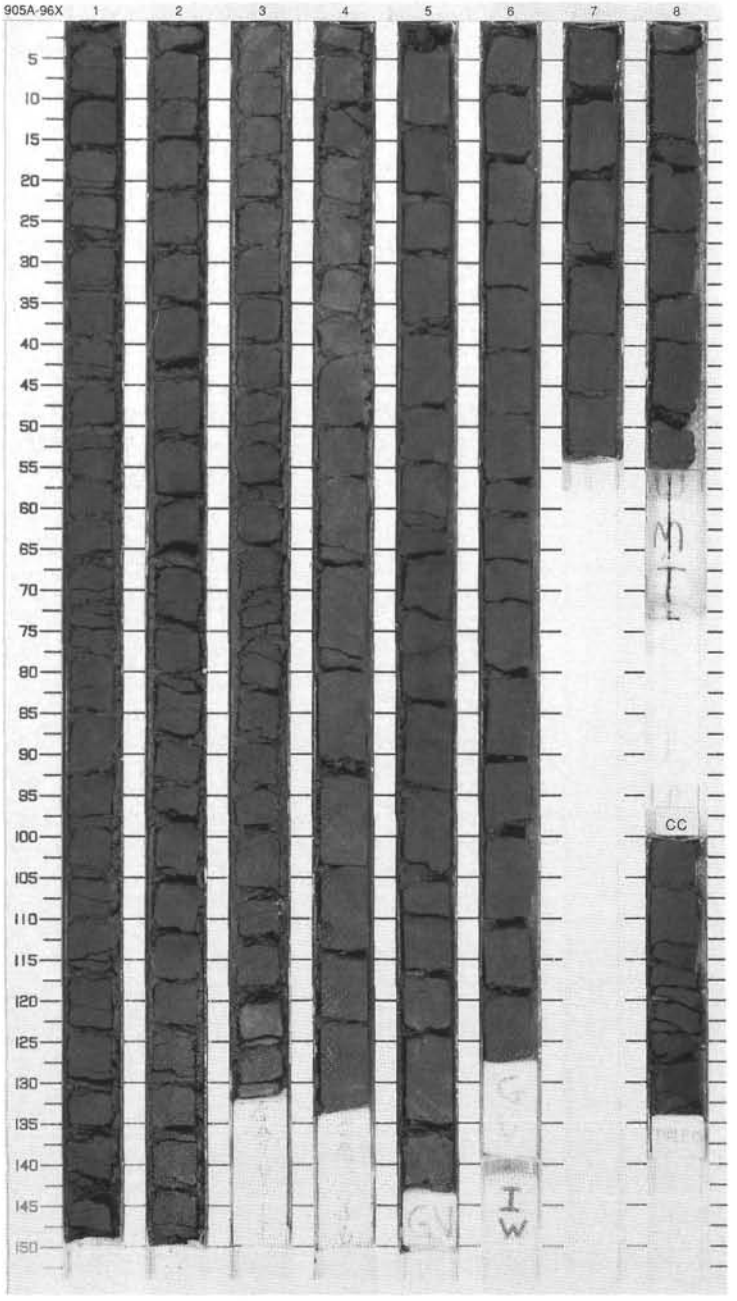
SITE 905 HOLE A CORE 95X CORED 867.0 - 876.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10		1–7, CC	middle Miocene			S, P, S, P, D, S, P, S, M	5Y 4/1 To 10YR 4/1; 10YR 4/1; 5Y 4/2; 5Y 4/1; 10YR 4/1 To 5Y 4/1	SILTY CLAY Major Lithology: Dark gray to slightly brownish gray, heavily bioturbated SILTY CLAY. Planolites are common and are filled with brownish gray sediment. Scattered Zoophycos in Sections 3 and 6. Chondrites and Thalassinoides in Section 5. Greenish gray zones with Planolites at top of Section 4. General Description: NOTE: Extensive drilling "biscuit" formation throughout core.



SITE 905 HOLE A CORE 96X CORED 876.6 - 886.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–10	Void; Void	1, 2, 3, 4, 5, 6, 7, 8, CC	middle Miocene			S; P; S; P D; S; P; I S; M	5Y 3/1 To 5Y 3/2	SILTY CLAY Major Lithology: Greenish to brownish gray, heavily bioturbated SILTY CLAY. Planolites are common. Chondrites occur in Section 5, as well as tiny shell fragments. Section 7 has a bluish irregular, diagenetic(?) zone (5BG 5/1, 20–22 cm). General Description: NOTE: Extensive drilling "biscuit" formation throughout core. Abundant gas voids.



SITE 905 HOLE A CORE 97X CORED 886.2 - 887.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1 CC	middle Mio.		W	D S M	5Y 3/1 To 5Y 3/2	SILTY CLAY Major Lithology: Greenish gray, heavily bioturbated SILTY CLAY.

SITE 905 HOLE A CORE 98X CORED 887.9 - 890.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC			W	M S		SILTY CLAY Major Lithology: Greenish gray (5Y3/1 to 5Y3/2), moderately bioturbated SILTY CLAY.

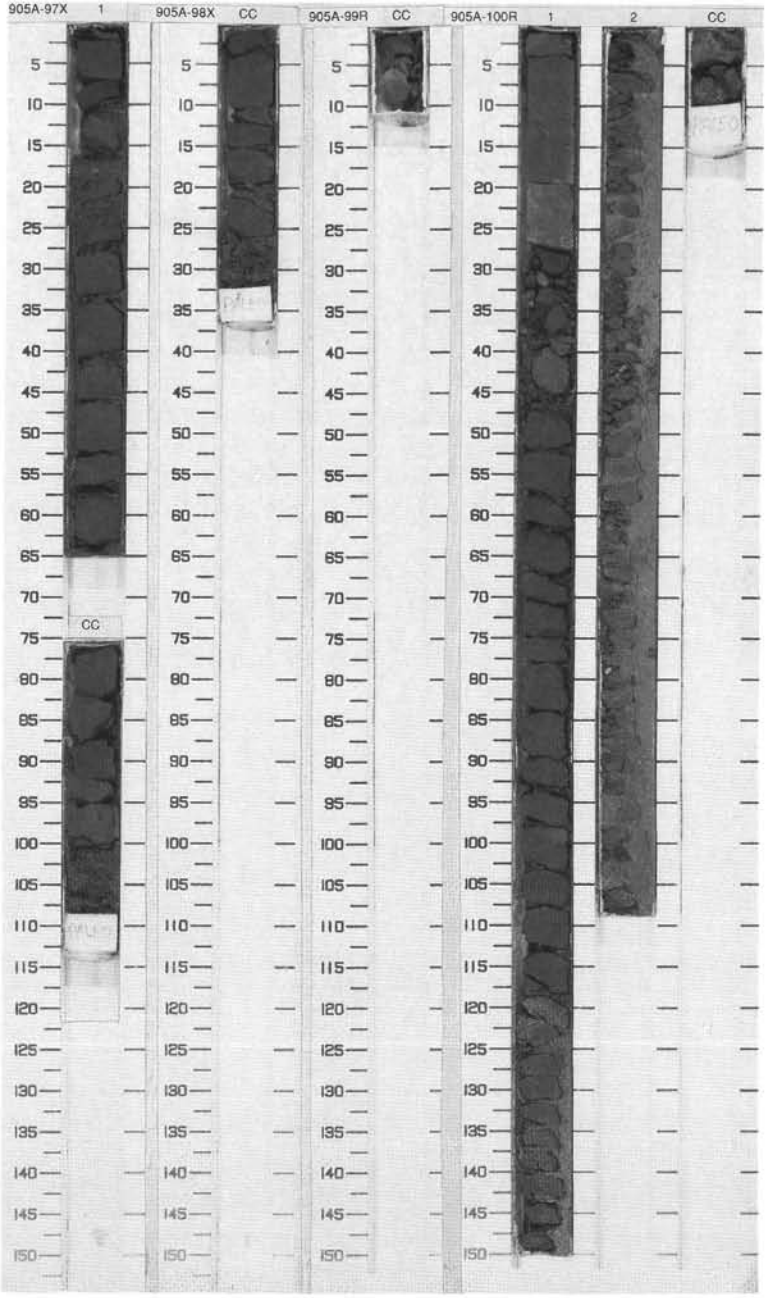
SITE 905 HOLE A CORE 99R CORED 890.0 - 895.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC						SILTY CLAY Major Lithology: Dark gray (10Y 4/1), homogeneous SILTY CLAY. Nannofossils and diatoms are present.

SITE 905 HOLE A CORE 100R CORED 895.5 - 897.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2		1 2 CC	middle Miocene			S P PD S P S M	5Y 4/1 5Y 3/1 To 10YR 3/1 5Y 5/1 To 5GY 5/1	SILTY CLAY Major Lithology: Dark gray, dark brownish gray and very dark greenish gray, heavily bioturbated SILTY CLAY. Nannofossils are present (about 10% to 15%).

905A 101R NO RECOVERY



SITE 905 HOLE A CORE 102R CORED 899.6 - 904.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2		1 2 CC	middle Miocene			S P D M P	5Y 4/2 To 5Y 3/2	SILTY CLAY and SILTY CLAYSTONE Major Lithologies: Dark greenish to brownish gray, heavily bioturbated SILTY CLAY/SILTY CLAYSTONE. Burrows include common Chondrites and Planolites. Foraminifers common.

SITE 905 HOLE A CORE 103R CORED 904.6 - 909.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1 CC	middle Miocene			P D S M	5Y 3/1	SILTY CLAY Major Lithology: Dark olive greenish to brownish gray, heavily bioturbated SILTY CLAY. Very indurated, almost a claystone. Common Planolites and Chondrites. Two claystone pebbles occur at base of Section 1 that are very indurated and show conchoidal fractures.

SITE 905 HOLE A CORE 104R CORED 909.6 - 910.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
								SILTY CLAYSTONE Major Lithology: Dark olive-gray chips of SILTY CLAYSTONE. No real core recovery.