SITE 752 HOLE A CORE 1H CORED INTERVAL 0-8.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MIDDLE - UPPER PLIOCENE / PLEISTOCENE - HOLOCENE	A/G — *G. tosaensis - truncatulinoides*	A/G CN14 - CN15											
Globorotalia tosensis	A/G	CN13											
	A/G	CN12b - d											
	A/G	CN 12a											
	R/P												
					Indeterminate	ϕ=75.8 ●, I=1.76	●95.4	1	0.5				*
						ϕ=67.6 ●, I=1.61	● 96.5	2	1.0				
							● 96.0	3					*
						ϕ=61.6 ●, I=1.70	● 97.5	4					
								5					*
								6					
								CC					

LITHOLOGIC DESCRIPTION

FORAMINIFERAL OOZE WITH NANNOFOSSILS AND FORAMINIFERAL NANNOFOSSIL OOZE

Soupy to moderately disturbed.

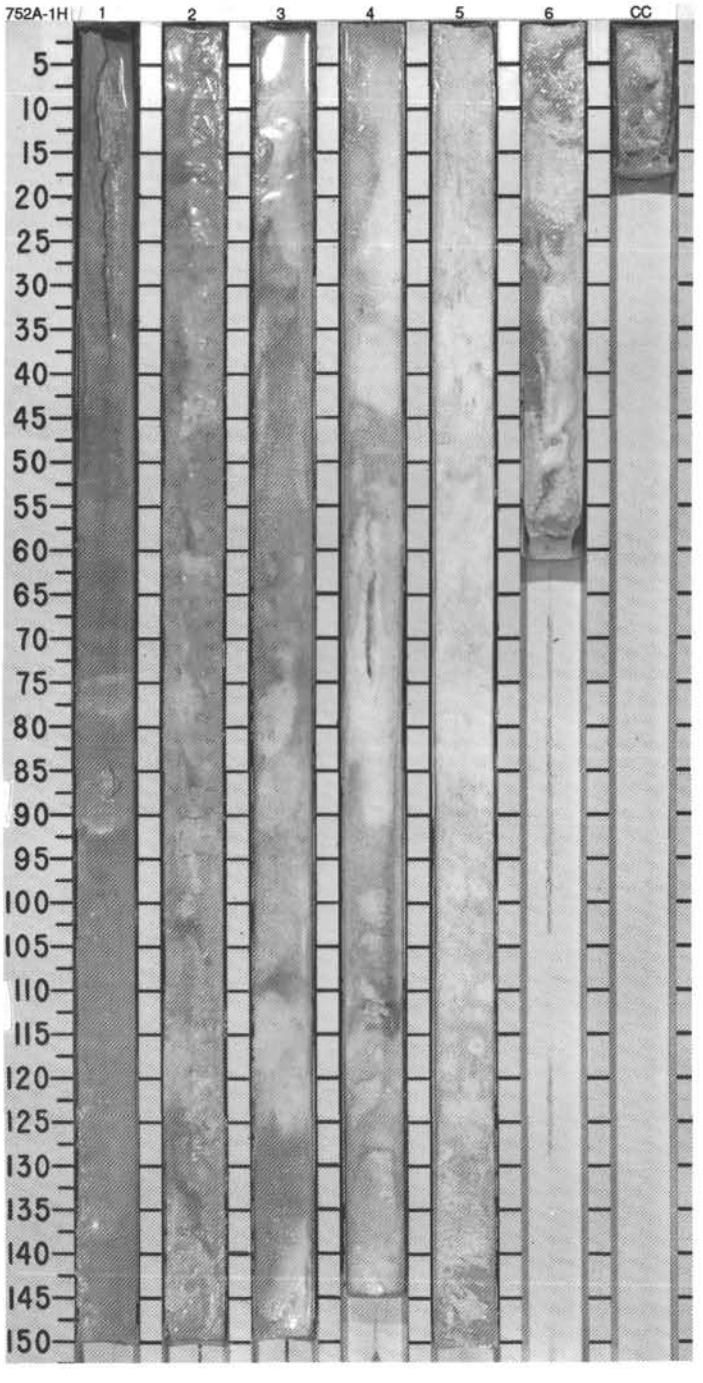
Major lithology: FORAMINIFERAL OOZE with NANNOFOSSILS and FORAMINIFERAL NANNOFOSSIL OOZE.White (10YR 8/1, 8/2) to light gray (10YR 7/1), weakly to strongly bioturbated.

Mean grain size is 55 µm for the core catcher section.

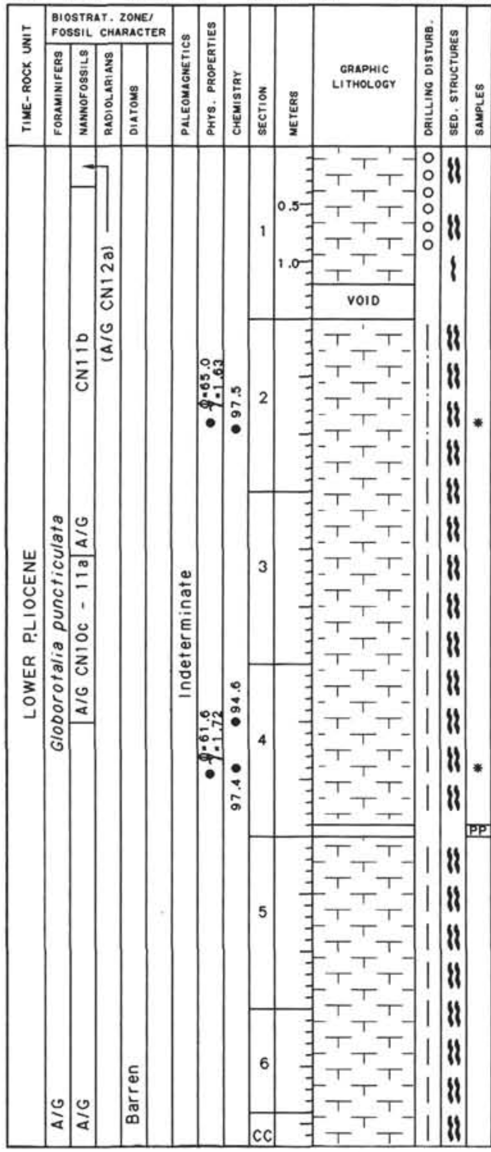
SMEAR SLIDE SUMMARY (%):

	1, 50 D	3, 50 D	5, 50 D
TEXTURE:			
Sand	50	45	20
Silt	50	55	80
COMPOSITION:			
Foraminifers	80	80	35
Glass	Tr	Tr	---
Mica	---	---	Tr
Nannofossils	20	20	65
Quartz	---	Tr	---

Information on Core Description Forms, for ALL sites, represents field notes taken aboard ship. Some of this information has been refined in accord with post-cruise findings, but production schedules prohibit definitive correlation of these forms with subsequent findings. Thus, the reader should be alerted to the occasional ambiguity or discrepancy.



SITE 752 HOLE A CORE 2H CORED INTERVAL 8.3-17.8 mbsf



LITHOLOGIC DESCRIPTION

FORAMINIFERAL OOZE WITH NANNOFOSSILS

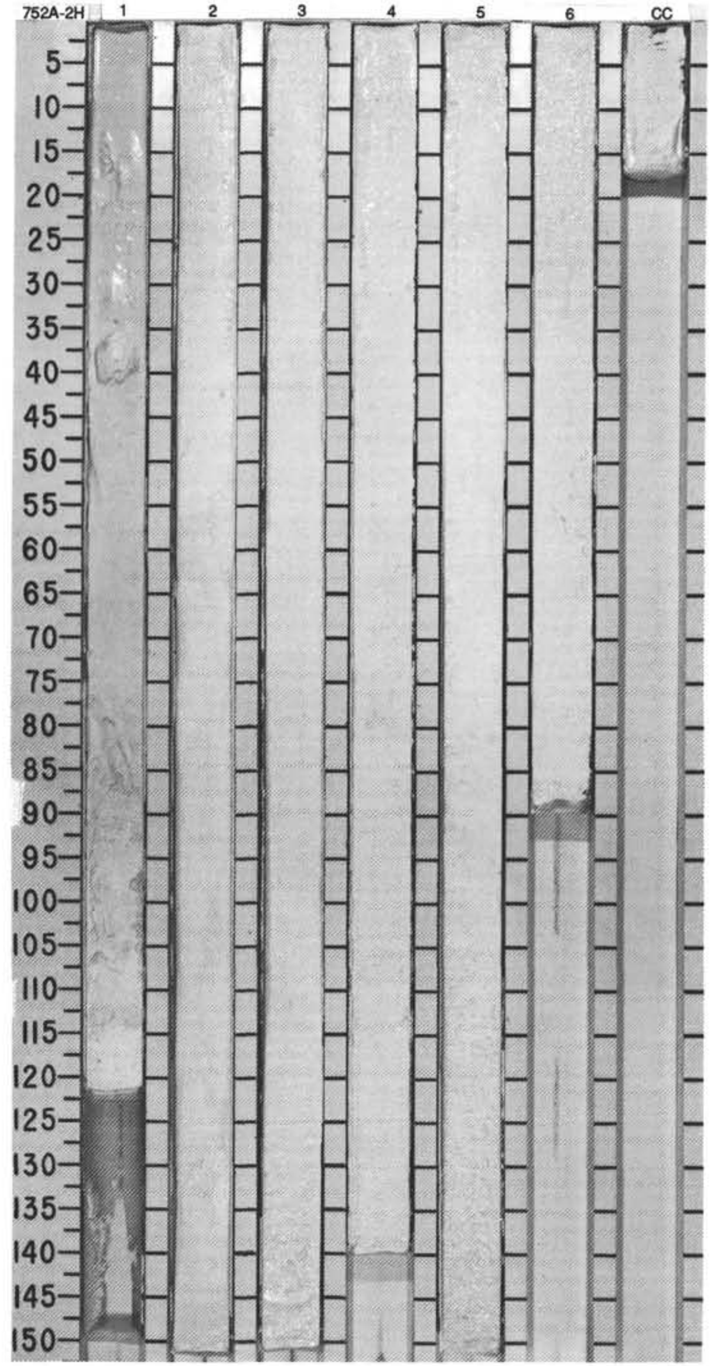
Slightly disturbed except for Section 1, which is soupy.

Major lithology: FORAMINIFERAL OOZE with NANNOFOSSILS. Stark white (whiter than the Munsell color white, 10YR 8/1), homogeneous, strongly bioturbated.

Mean grain size is 40.8 μm for the core catcher sample.

SMEAR SLIDE SUMMARY (%):

	2, 90 D	4, 90 D
TEXTURE:		
Sand	65	45
Silt	35	55
COMPOSITION:		
Foraminifers	78	60
Glass	2	2
Nannofossils	20	38



SITE 752 HOLE A CORE 3H CORED INTERVAL 17.8-27.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	A/G	A/G	A/G	R/P	Indeterminate	ρ=64.3, 1.65	96.5	6					
	A/G	CN9b - CN10a	(CN7 - CN8)			ρ=66.8, 1.60	91.6	5					
	Globorotalia conomiozea (LOWER PLIOCENE)					ρ=67.0, 1.59	95.9	4					TW, DG
			(CN10d)				97.0	3				*	
								2					
								1	0.5, 1.0				
								CC					

LITHOLOGIC DESCRIPTION

FORAMINIFERAL OOZE WITH NANNOFOSSILS

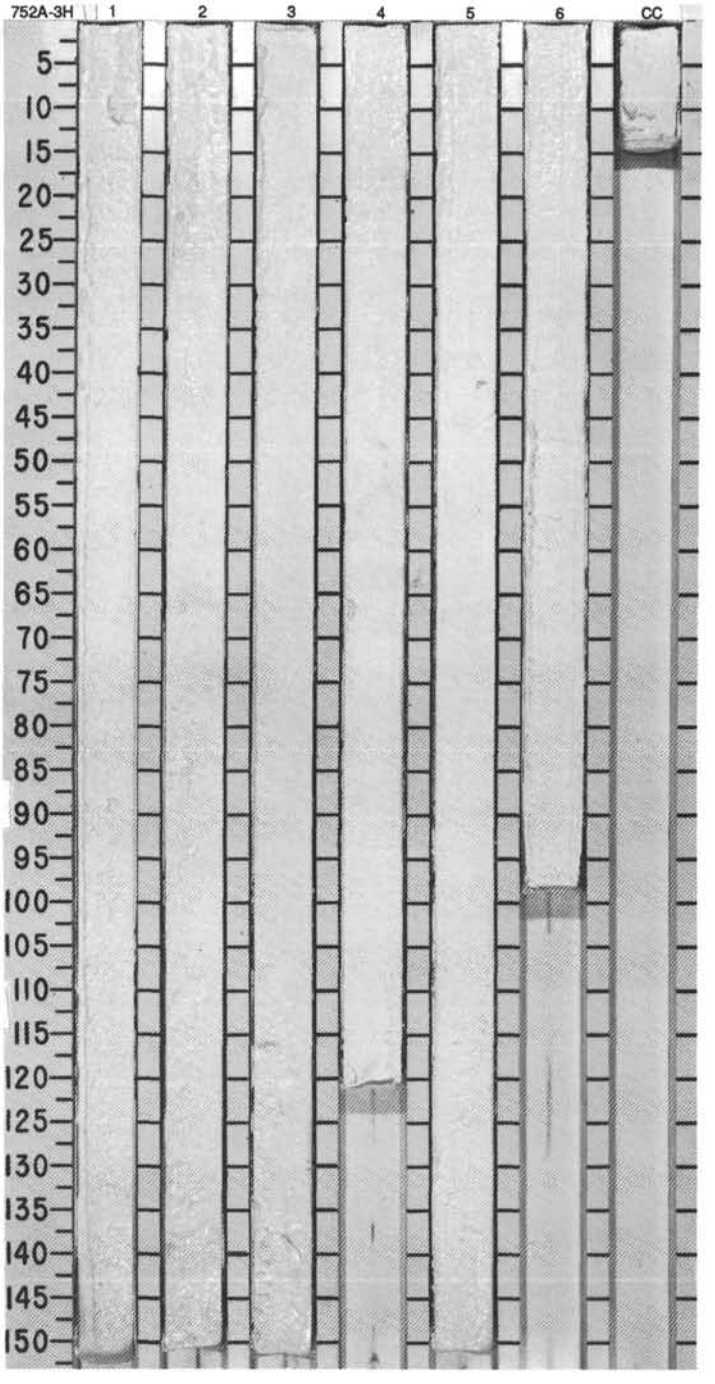
Slightly disturbed.

Major lithology: FORAMINIFERAL OOZE with NANNOFOSSILS. Stark white (whiter than the *Munsell color white, 10YR 8/1*); *homogeneous, strongly bioturbated.*

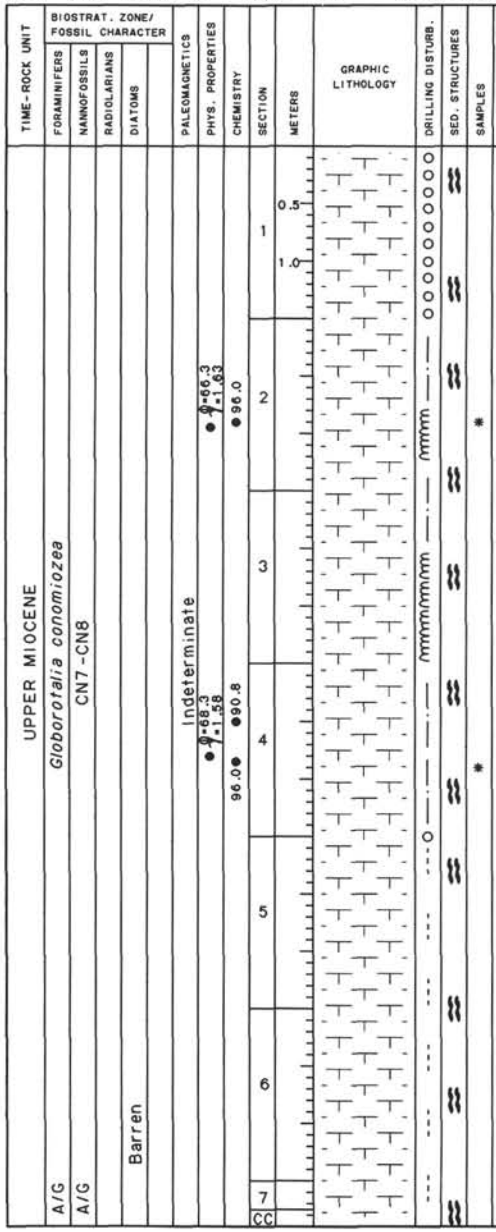
Mean grain size is 57.3 μm for the core catcher sample.

SMEAR SLIDE SUMMARY (%):

	2, 80 D
TEXTURE:	
Sand	6
Silt	35
COMPOSITION:	
Foraminifers	74
Glass	1
Nannofossils	25



SITE 752 HOLE A CORE 4H CORED INTERVAL 27.3-36.8 mbsf



LITHOLOGIC DESCRIPTION

FORAMINIFERAL OOZE WITH NANNOFOSSILS

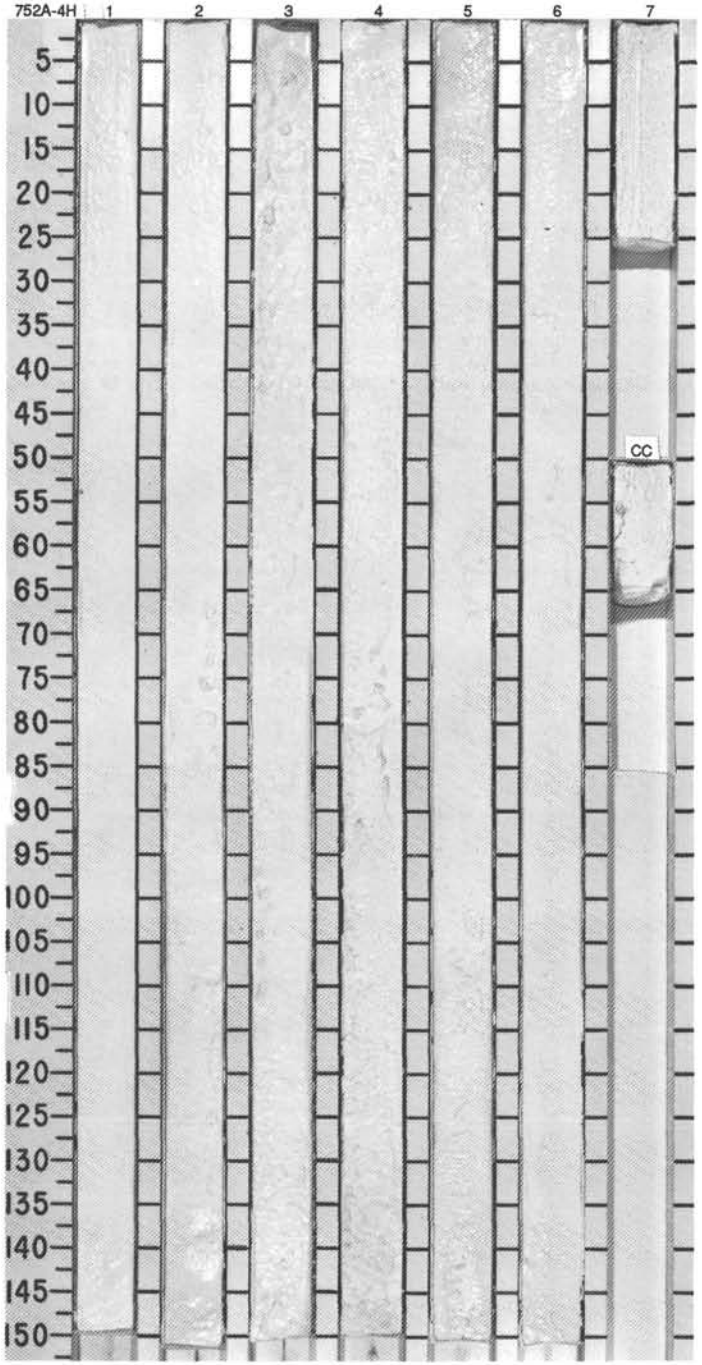
Soupy to strongly disturbed throughout Sections 1 to 4, slightly disturbed below.

Major lithology: FORAMINIFERAL OOZE with NANNOFOSSILS. Stark white (whiter than Munsell color white, 10YR 8/1), although darker than previous 3 cores, homogeneous, strongly bioturbated.

Mean grain size is 50 µm for core catcher sample.

SMEAR SLIDE SUMMARY (%):

	2, 90 D	4, 90 D
TEXTURE:		
Sand	60	70
Silt	40	30
COMPOSITION:		
Foraminifers	75	75
Nannofossils	25	25



SITE 752 HOLE A CORE 5H CORED INTERVAL 36.8-46.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MIDDLE MIOCENE	A/G *Globorotalia mayeri*	A/G CN5 - CN6	Barren		Indeterminate	● 0-63.6 ● 1-1.65 ● 96.8	97.0 ● ● 94.8	1	0.5				
						● 0-66.7 ● 1-1.62 ● 97.0		1	1.0				
						● 0-67.2 ● 1-1.59		2				*	
								3					
								4					
								5					PP
								6				*	
								7					
								CC					

LITHOLOGIC DESCRIPTION

FORAMINIFERAL OOZE WITH NANNOFOSSILS

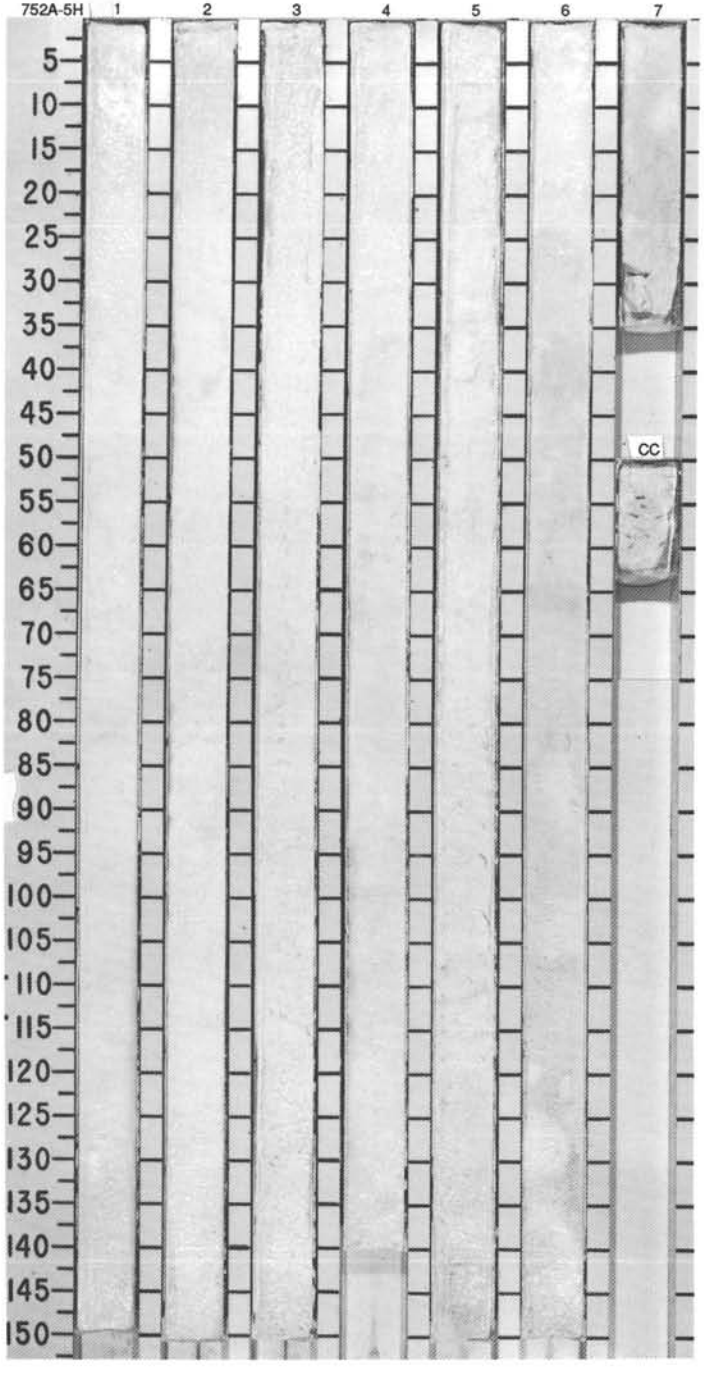
Moderately disturbed at top and mildly disturbed over the remainder of the core.

Major lithology: FORAMINIFERAL OOZE with NANNOFOSSILS. Stark white (whiter than the Munsell color white, (10YR 8/1), homogeneous, strongly bioturbated throughout.

Mean grain size is 41 μm for core catcher sample.

SMEAR SLIDE SUMMARY (%):

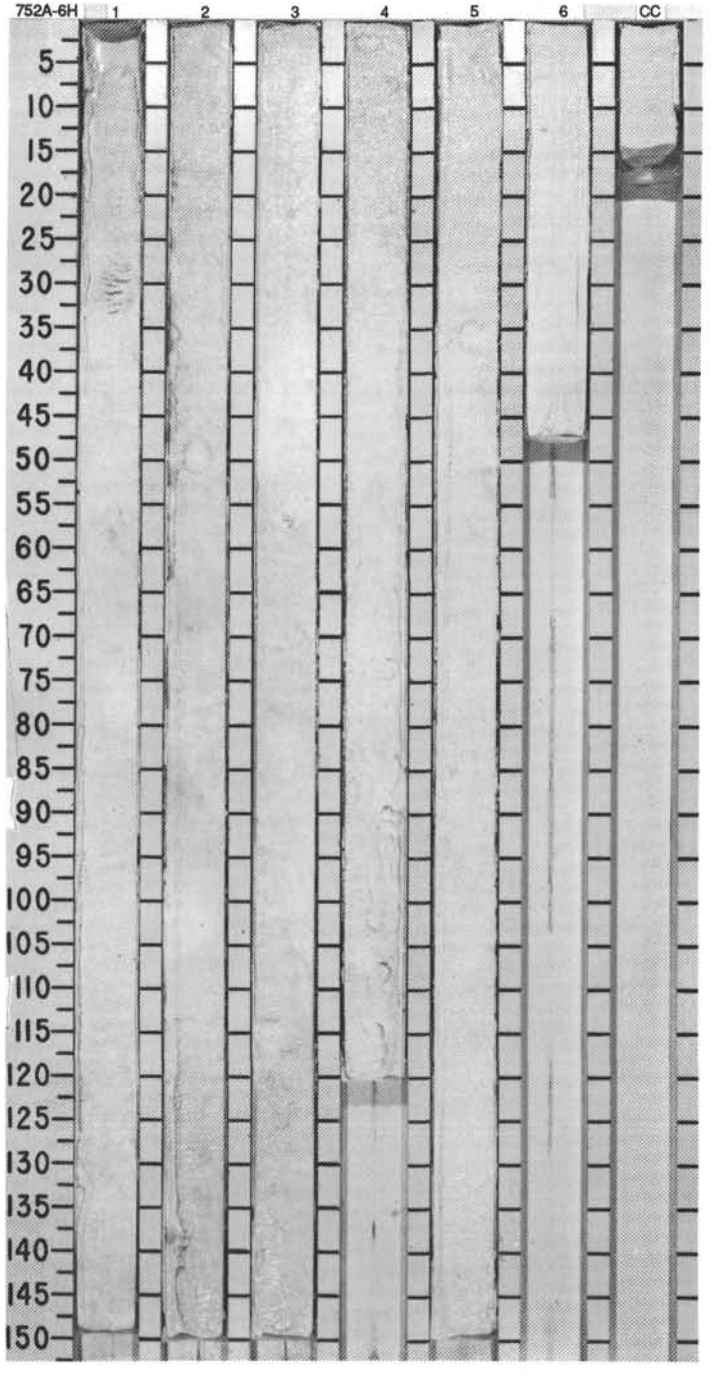
	2, 80 D	6, 65 M
TEXTURE:		
Sand	65	75
Silt	25	15
Clay	10	10
COMPOSITION:		
Foraminifers	75	85
Nannofossils	25	15



SITE 752 HOLE A CORE 6H CORED INTERVAL 46.4-56.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
MIDDLE MIOCENE	A/G	A/G	Barren		Indeterminate	● 60.7 ● 1.71 ● 62.7 ● 1.69 ● 96.9	● 96.0 ● 96.0	1 2 3 4 5 6 CC	0.5 1.0		---		OG LW	FORAMINIFERAL NANNOFOSSIL OOZE Slightly disturbed. Major lithology: FORAMINIFERAL NANNOFOSSIL OOZE. Stark white (whiter than the Munsell color white, 10YR 8/1), homogeneous, strongly bioturbated. Several faint mottles in Section 1. Mean grain size is 42.8 μm for core catcher sample. SMEAR SLIDE SUMMARY (%): 3, 90 D — 5, 90 D TEXTURE: Sand 20 — 63 Silt 80 — 17 Clay --- — 20 COMPOSITION: Foraminifers 30 — 40 Glass 1 — --- Nannofossils 69 — 60

752A-6H 1 2 3 4 5 6 CC



SITE 752 HOLE A CORE 7H CORED INTERVAL 56.1-65.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIOCENE	A/G	A/G	Barren		Indeterminate	● 7-1.65 ● 96.0	● 95.2 ● 95.1 ● 96.1	1 2 3 4 5 6 CC	0.5 1.0	VOID			*

Globorotalia miozea

CN4

● 9-63.8 7-1.67

● 9-69.1 7-1.67

LITHOLOGIC DESCRIPTION

FORAMINIFERAL NANNOFOSSIL OOZE

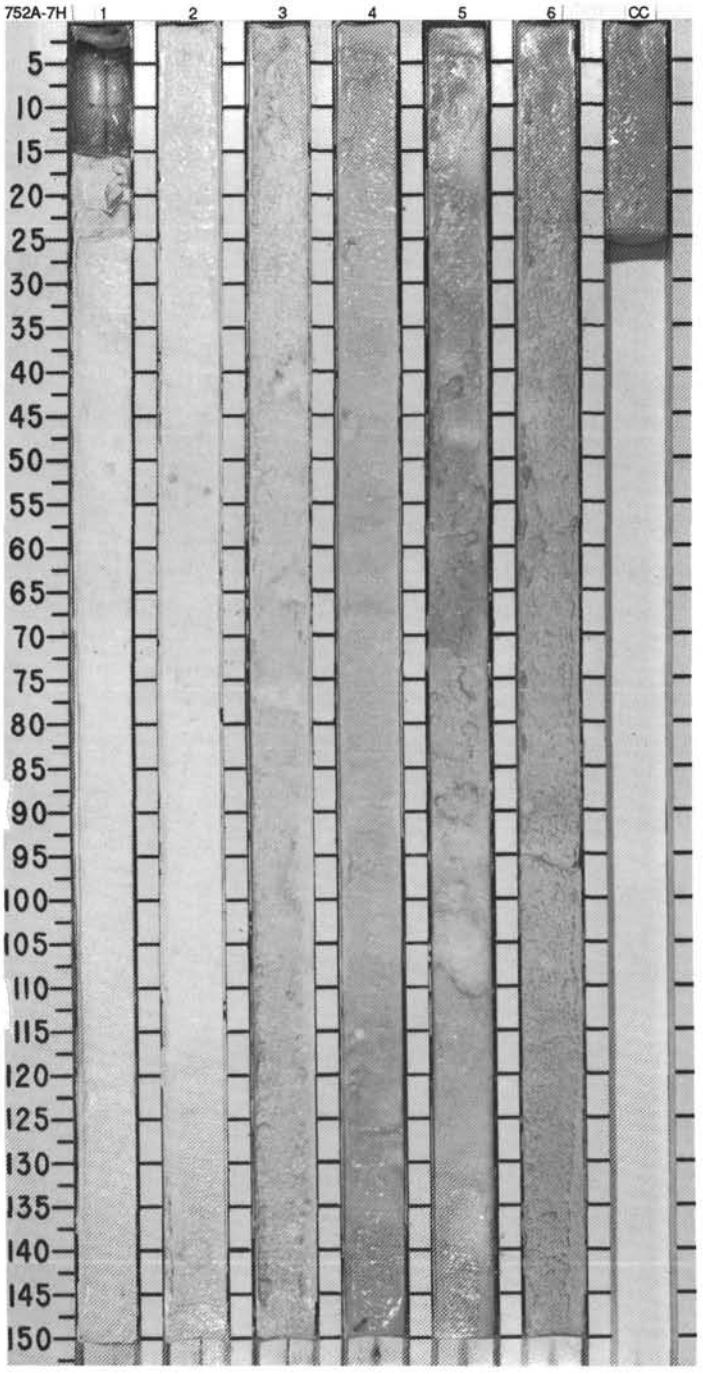
Slightly disturbed.

Major lithology: FORAMINIFERAL NANNOFOSSIL OOZE. Sections 1 to 2 are stark white (whiter than the Munsell color white,10YR 8/1); remainder of core is white (10YR 8/2). Generally homogeneous throughout with the exception of a few intervals of mottling in Sections 2 to 4. The core is slightly bioturbated except for Section 1, which is strongly bioturbated.

Mean grain size is 59.6 µm for core catcher sample.

SMEAR SLIDE SUMMARY (%):

	2, 90 D
TEXTURE:	
Sand	20
Silt	80
COMPOSITION:	
Foraminifers	30
Glass	t
Nannofossils	69



SITE 752 HOLE A CORE 8H CORED INTERVAL 65.8-75.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIOCENE	A/G *Globorotalia miozea* / A/M CN3		Barren		Indeterminate	γ-1.52 ● 96.6 / γ-1.64 ● 94.7	● 94.6	1	0.5 / 1.0				
								2					*
								3					
								4					PP
								5					
								6					*
								7					
								CC					

LITHOLOGIC DESCRIPTION

FORAMINIFERAL-NANNOFOSSIL OOZE

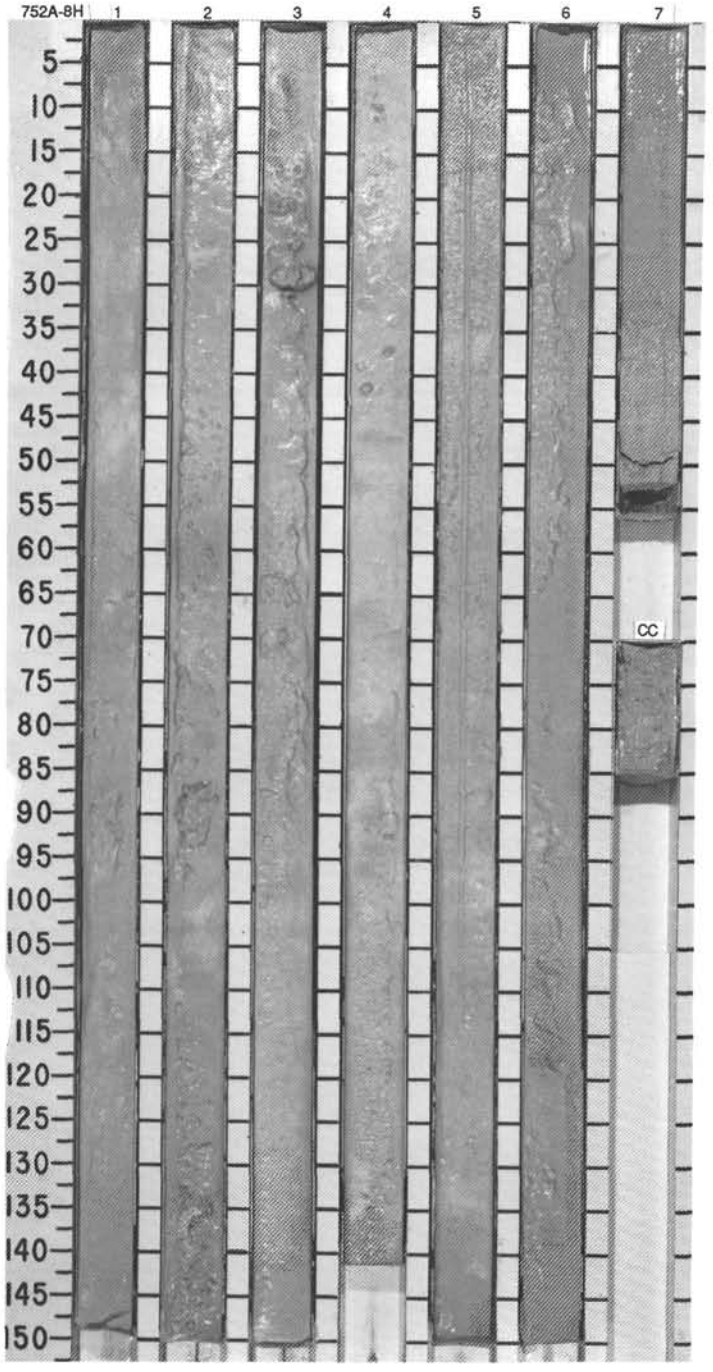
Moderately disturbed to slightly soupy.

Major lithology: FORAMINIFERAL-NANNOFOSSIL OOZE, white (10YR 8/2), homogeneous throughout the entire core with minor mottling in Sections 2 to 4. Mottles are white (10YR8/2) or very pale brown (10YR 8/3). Strongly bioturbated throughout.

Mean grain size is 56.9 μm for the core catcher sample.

SMEAR SLIDE SUMMARY (%):

	2, 90 D	6, 80 D
TEXTURE:		
Sand	50	30
Silt	50	70
COMPOSITION:		
Foraminifers	45	35
Nannofossils	55	65



SITE 752 HOLE A CORE 9H CORED INTERVAL 75.4-85.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIOCENE	*Globorotalia incognita*	CN1	Barren		indeterminate	● γ-1.86 ● γ-1.71	96.5● ● 96.0 ● 95.9	1 2 3 4 5 6 CC	0.5 1.0	VOID			OG IW

LITHOLOGIC DESCRIPTION

FORAMINIFERAL NANNOFOSSIL OOZE

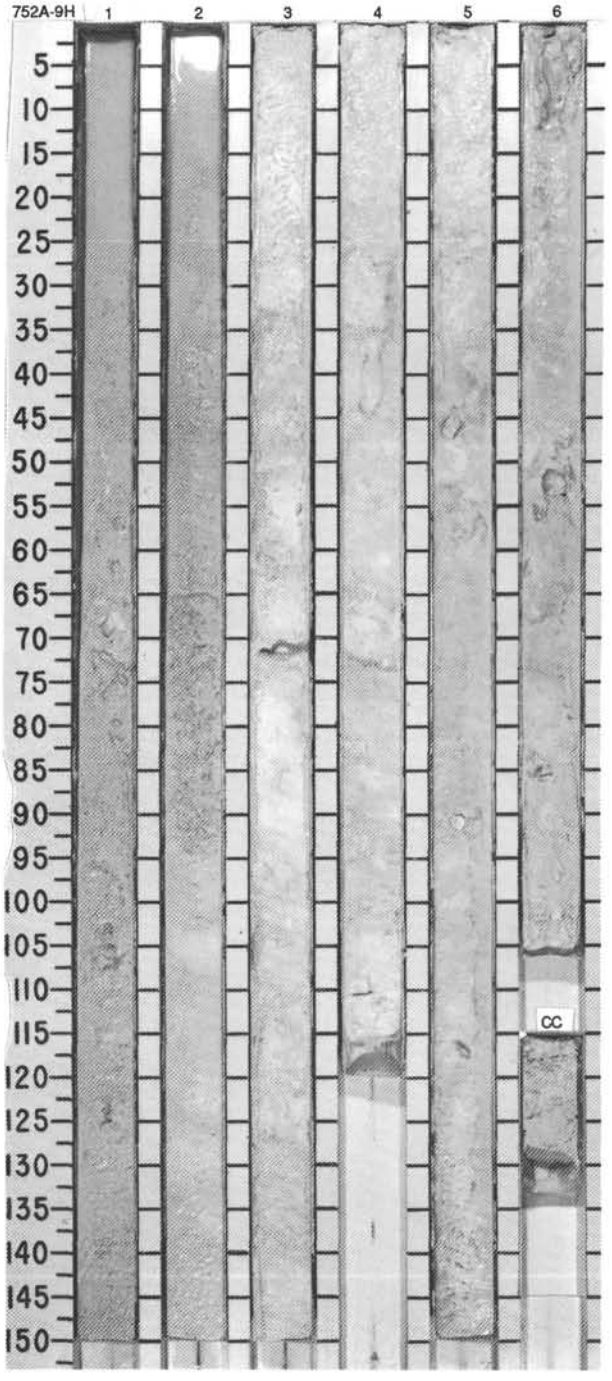
Moderately soupy to slightly disturbed in the lower sections.

Major lithology: FORAMINIFERAL-NANNOFOSSIL OOZE, very pale brown (10YR 8/3) with a sharp contact at 250 cm to white(10YR 8/2). The entire core is weakly to moderately mottled. Shell fragments of 0.5 to 3.0 cm size were noted beginning at 640 cm. The valves, oyster-like, are nearly whole.

Mean grain size at Section 2, 80 cm is 39.3 µm.

SMEAR SLIDE SUMMARY (%):

	2, 80 D	4, 80 D
TEXTURE:		
Sand	25	10
Silt	75	90
COMPOSITION:		
Diatoms	---	1
Foraminifers	40	29
Glass	---	Tr
Nannofossils	60	70
Radiolarians	Tr	---



SITE 752 HOLE A CORE 10H CORED INTERVAL 85.0-94.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER EOCENE UPPER OLIGOCENE / LOWER MIOCENE	A/G *Globoquadrina dehiscens*	CN1	Barren		Indeterminate	● γ=1.56 ● γ=1.57	● 95.9 ● 91.6 95.4 ● ● 89.9 ● 1.64	1 2 3 4 5 6 7 CC	0.5 1.0	VOID			* * * * *

LITHOLOGIC DESCRIPTION

FORAMINIFERAL NANNOFOSSIL OOZE

Slightly disturbed.

Major lithology: FORAMINIFERAL NANNOFOSSIL OOZE, white (10YR 8/2) mottled with light gray (10YR 8/2) to 445 cm. Lower, brown specks increase with depth changing the color to strong brown (7.5YR 4/6). Shell fragments are present from 470 to 925 cm where.

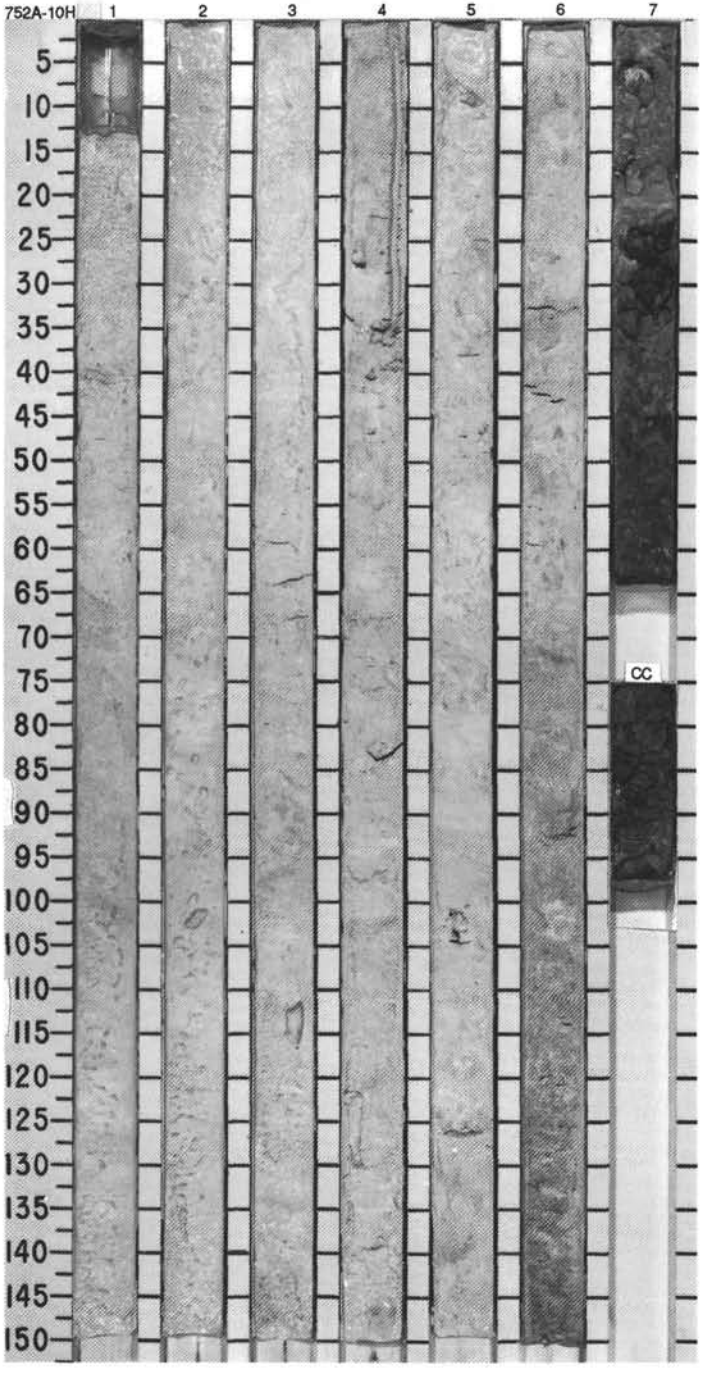
Minor lithology: Gravel, 925-935 cm. Limestone pebbles to 6 cm diameter with red to black coatings. Matrix of yellowish brown (7.5YR 7/4) to pale yellow (7.5YR 7/6) ooze.

Minor lithology: Foraminiferal nannofossil chalk, 935 to 944 cm, pale yellow (7.5YR 7/6). Color changes sharply at 945 cm to strong brown (7.5YR 4/6), and is weakly mottled.

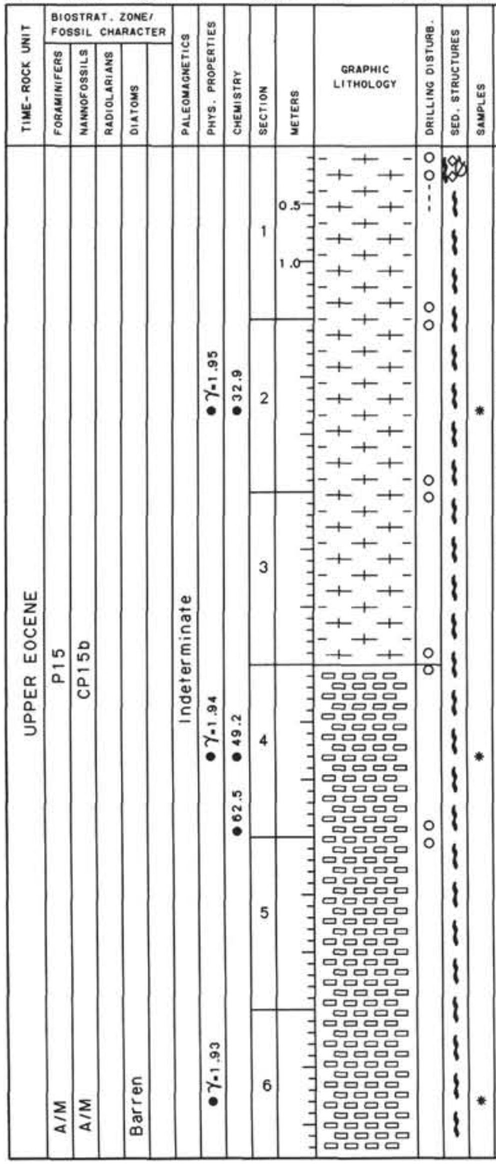
Mean grain size at Section 2, 80 cm, is 53.9 μm.

SMEAR SLIDE SUMMARY (%):

	2, 80 D	4, 70 D	6, 70 D	7, 18 D	7, 50 D	CC,15 D
TEXTURE:						
Sand	25	20	22	45	35	40
Silt	75	80	78	55	65	60
COMPOSITION:						
Bioclast	---	---	---	Tr	---	---
Foraminifers	40	35	30	40	35	38
Glass	Tr	1	1	2	4	2
Nannofossils	60	64	69	55	56	50
Opaques	---	---	---	3	2	10
Quartz	---	---	---	---	3	---
Radiolarians	---	---	Tr	---	---	---



SITE 752 HOLE A CORE 11H CORED INTERVAL 94.7-103.3 mbsf



LITHOLOGIC DESCRIPTION

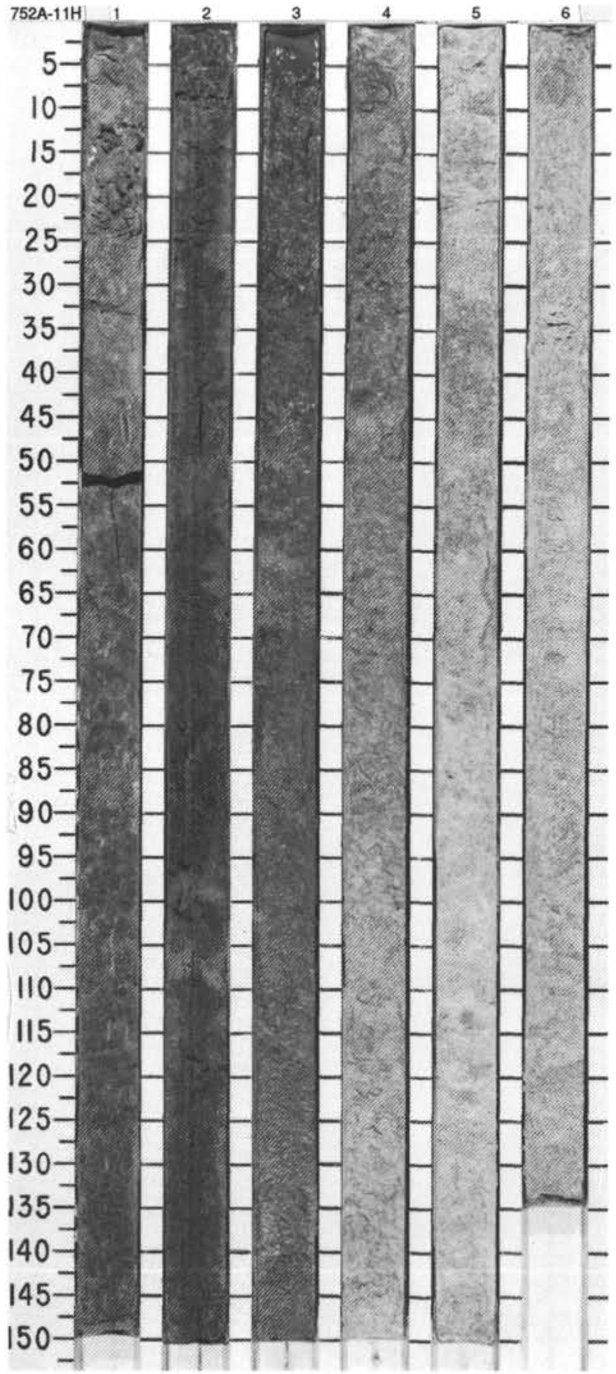
NANNOFOSSIL FORAMINIFERAL OOZE WITH SAND AND CALCAREOUS OOZE WITH ASH

Section tops are soupy to 5 cm.

Major lithology: NANNOFOSSIL FORAMINIFERAL OOZE with SAND and CALCAREOUS OOZE with ASH, pale yellow (10 YR 6/6) to strongly brown (7.5YR 5/8) ooze with shell fragments and pebbles in Section 1, 12-24 cm.

SMEAR SLIDE SUMMARY (%):

	2, 80 D	4, 80 D	6, 80 D
TEXTURE:			
Sand	40	40	40
Silt	60	60	60
COMPOSITION:			
Bioclast	---	Tr	---
Dolomite	---	Tr	Tr
Foraminifers	50	35	25
Glass	3	15	10
Micrite	---	20	50
Nannofossils	35	20	10
Opaques	10	10	5
Quartz	2	Tr	Tr
Zeolite	Tr	---	---

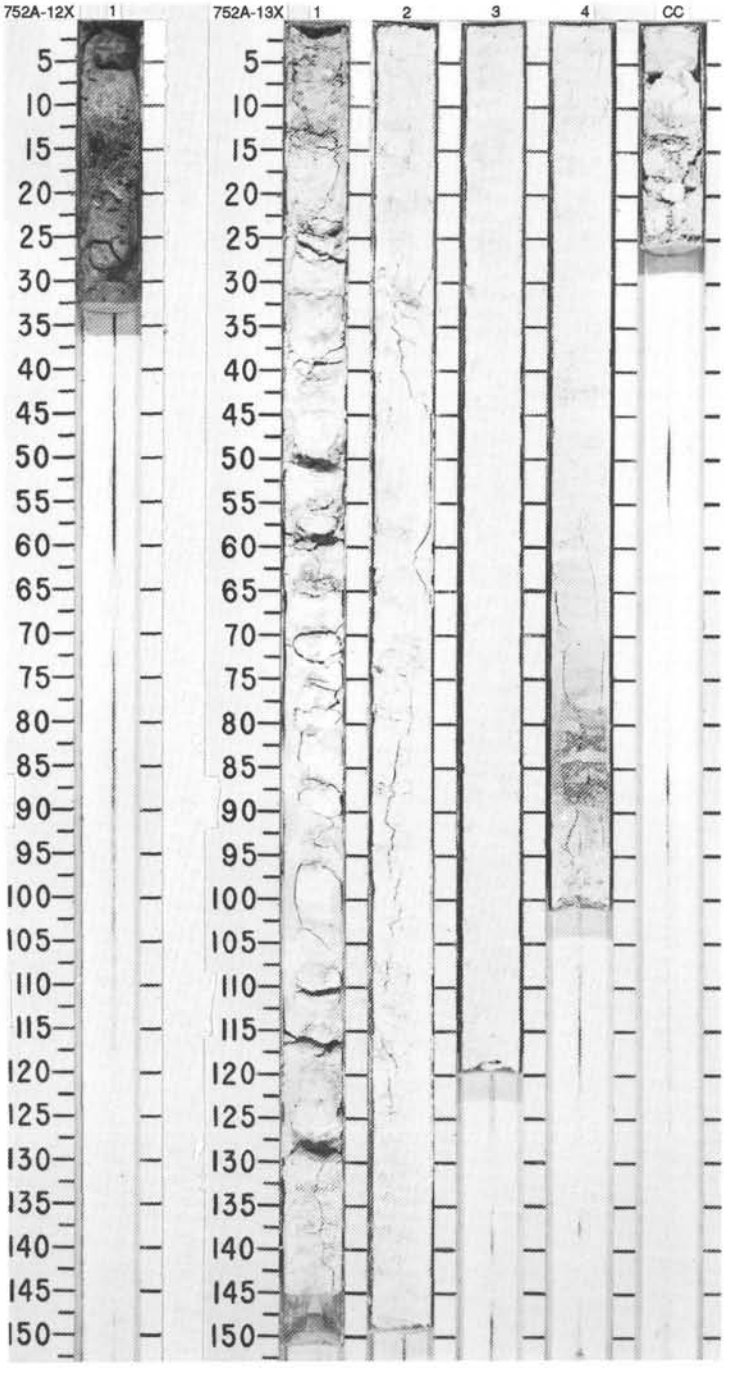


SITE 752 HOLE A CORE 12X CORED INTERVAL 103.3-112.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER EOCENE	P15	A/M CP15a-b C/M		Barren	Indeterminate		6.48 ●	1						CALCAREOUS OOZE WITH GRAVEL The entire core is very disturbed. Major lithology: CALCAREOUS OOZE with GRAVEL, 0-5 cm consists of dark limestone pebbles reaching 5 cm in length.The pebbles are in a very pale brown ooze. 5-21 cm consists of pebbles and shell fragments in yellowish brown (10YR 5/4) ooze. 21-28 cm is a pale brown (10YR 6/3) ooze.

SITE 752 HOLE A CORE 13X CORED INTERVAL 112.9-122.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER EOCENE	P6 - P8	A/M CP10 A/M CP9		R/P *P. gracilis*	Indeterminate Reversed	● 9-53.1 7-1.81 ● 94.1 ● 88.3 ● 9-25.6 7-1.91		1 2 3 4 CC	0.5 1.0	VOID VOID		◇	OG IW * * *	NANNOFOSSIL CHALK WITH ASH AND NANNOFOSSIL CHALK Very disturbed to 150 cm, moderately disturbed to 420 cm, then only slightly disturbed. Major lithology: NANNOFOSSIL CHALK with ASH and NANNOFOSSIL CHALK, white (2.5Y 8/0; 5Y 8/0). At Section 4, 70 cm with; color grades to light greenish gray (10Y 6/1). The core has varying light to moderate induration. Drilling biscuits from Section 1 are surrounded by disturbed material until Section 4. At Section 4, 70 cm the core contains white clasts and faint horizon laminae.This layer is ash rich and contains small burrows. SMEAR SLIDE SUMMARY (%): 2, 64 D / 4, 85 M / CC, 14 D TEXTURE: Sand 10 / 25 / 10 Silt 90 / 75 / 90 COMPOSITION: Foraminifers --- / Tr / --- Glass 10 / 20 / 5 Nannofossils 90 / 75 / 88 Radiolarians --- / 5 / 7 Spicules --- / Tr / Tr



SITE 752 HOLE A CORE 14X CORED INTERVAL 122.6-132.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER EOCENE	A/M	A/M		C/M	Reversed / Normal	● 51.0 ● 1.86 ● 80.0 ● 81.1 ● 79.5 ● 82.2 ● 73.1 ● 53.1 ● 1.81		1 2 3 4 5 CC	0.5 1.0				

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Sections 1-4 are slightly disturbed. Section 5 is moderately disturbed.

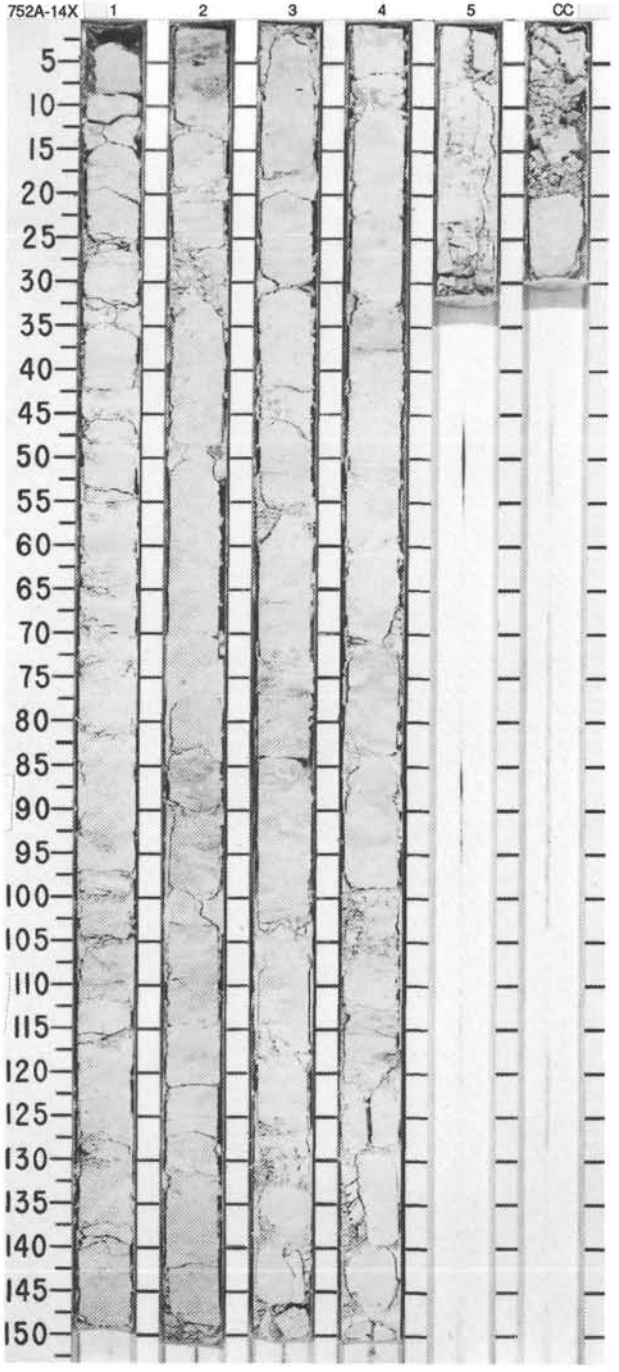
Major lithology: NANNOFOSSIL CHALK. Minor color change at core top. Section 1, 1-150 cm, white (5Y 8/1) grades into light gray (5Y 7/1). The chalk, in drilling biscuits 3-6 cm wide, is mottled.

Minor lithology: Volcanic ash (glass) layers in Section 2,0-12 cm; Section 3, 78-89 cm; and Section 4, 37-40, 114-117 cm.

Minor lithology: Chert pebbles in Section 2, at 50, 75 cm.

SMEAR SLIDE SUMMARY (%):

	2, 3 M	2, 80 D	4, 80 D
TEXTURE:			
Sand	15	15	5
Silt	85	85	95
COMPOSITION:			
Diatoms	1	1	---
Feldspar	---	Tr	---
Foraminifers	3	5	2
Glass	10	5	1
Nannofossils	80	83	96
Radiolarians	5	5	1
Spicules	1	1	Tr



SITE 752 HOLE A CORE 15X CORED INTERVAL 132.3-142.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER EOCENE	P6 - 8	CP9		*P. gracilis*	Reversed / Normal	● 0-52.8 ▽ 1.88 ● 0-49.7 ▽ 1.98	● 75.1 84.3 ● 88.3 ● 36.1	1 2 3 4 5 CC	0.5 1.0				
	A/M	A/M		C/M									

LITHOLOGIC DESCRIPTION

FORAMINIFERAL CALCAREOUS CHALK WITH NANNOFOSSILS

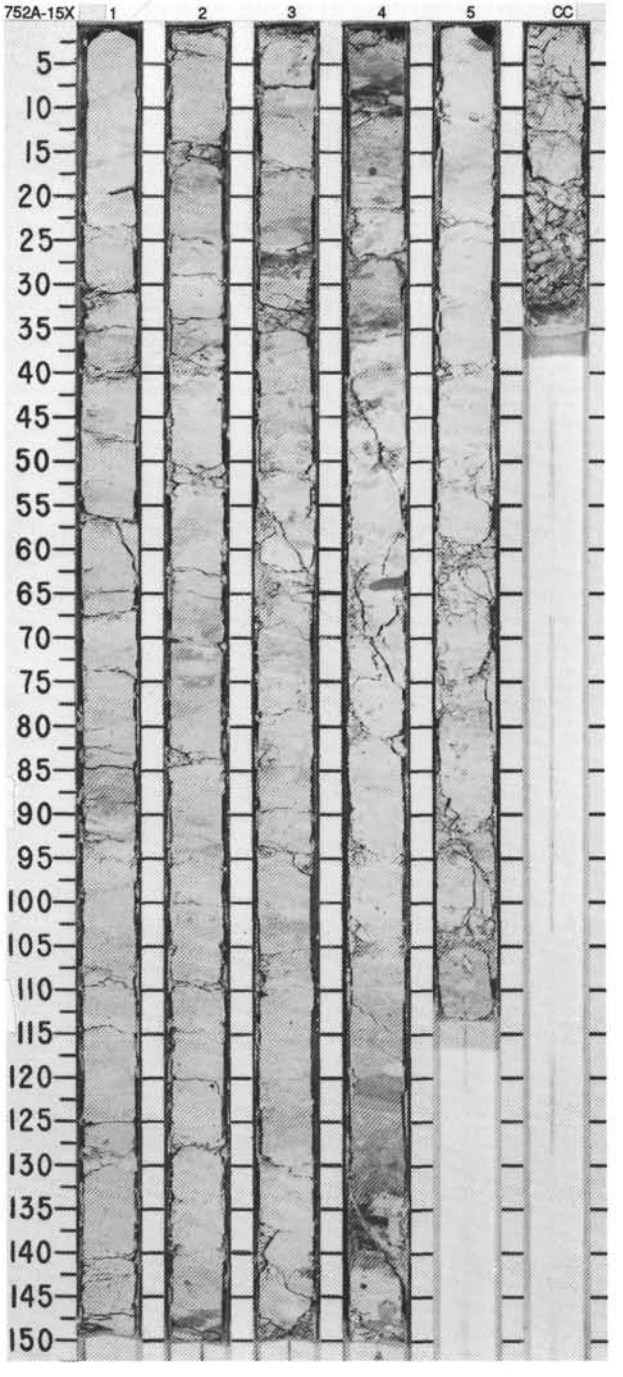
Slightly disturbed.

Major lithology: FORAMINIFERAL CALCAREOUS CHALK with NANNOFOSSILS, varying from light greenish gray (10Y 8/1) to very dark gray (5Y 3/1). Chalk is semi-lithified, massive,and mottled.

Minor lithology: Volcanic ash layer, dark gray, (5Y 3/1),Section 4, 134-141 cm.

SMEAR SLIDE SUMMARY (%):

	2, 80 D	2, 148 M	4, 8 M	4, 80 D	4, 137 M
TEXTURE:					
Sand	5	5	5	4	3
Silt	90	80	85	80	90
Clay	5	15	10	16	7
COMPOSITION:					
Dolomite	Tr	---	---	Tr	---
Foraminifers	25	15	---	10	5
Glass	1	7	5	2	60
Micrite	50	48	50	68	---
Nannofossils	20	20	30	20	15
Opaques	4	5	5	---	---
Radiolarians	---	5	10	---	5
Spicules	Tr	Tr	Tr	Tr	---
Spar Cement	---	---	---	---	15
Zeolite	Tr	---	---	Tr	---



SITE 752 HOLE A CORE 16X CORED INTERVAL 142.0-151.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER EOCENE	A/M P6 - 8	A/M CP9		C/M *P. gracilis*	Normal	● 0-53.7 ▽ 1.84	● 87.1	1 2 3 4 5 CC	0.5 1.0				* * * OC IW

LITHOLOGIC DESCRIPTION

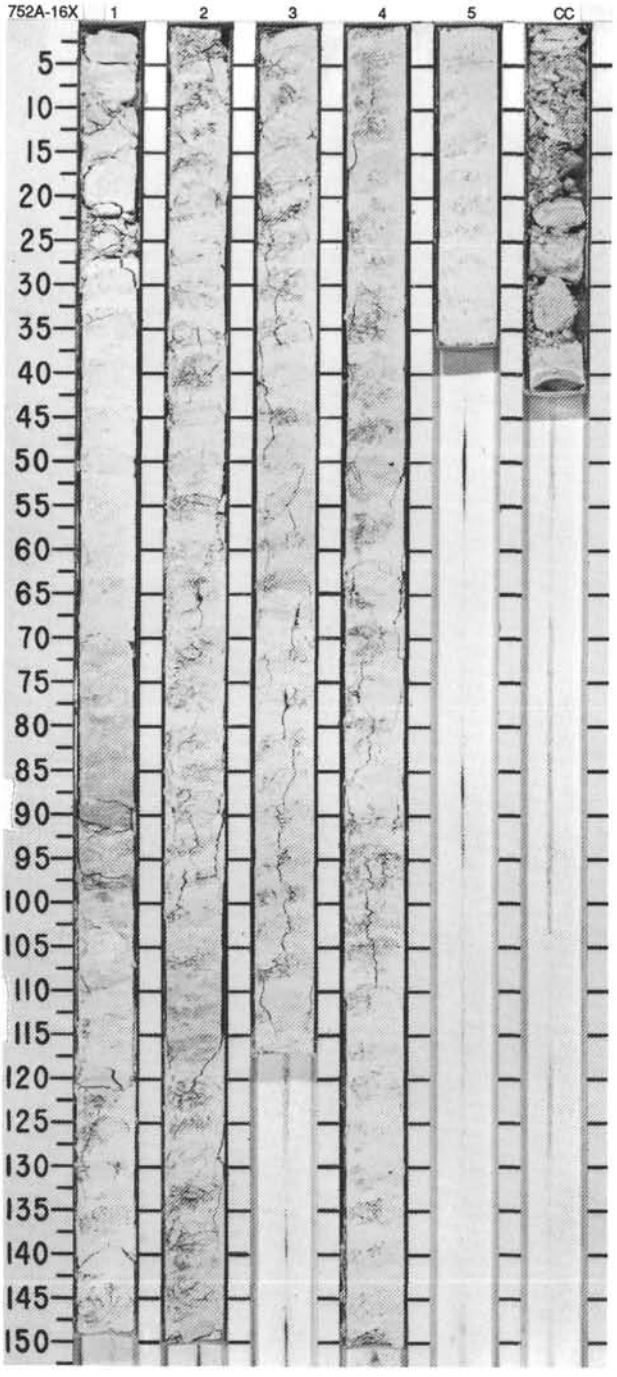
FORAMINIFERAL AND CALCAREOUS NANNOFOSSIL CHALK, AND CALCAREOUS CHALK WITH FORAMINIFERS AND NANNOFOSSILS, AND FORAMINIFERAL AND NANNOFOSSIL CALCAREOUS CHALK.

Mildly disturbed drilling biscuits amid disturbed sediment resulting from rotary extended core barrel drilling.

Major lithology: FORAMINIFERAL and CALCAREOUS NANNOFOSSIL CHALK, and FORAMINIFERAL CALCAREOUS CHALK with FORAMINIFERS and NANNOFOSSILS, and FORAMINIFERAL, NANNOFOSSIL CALCAREOUS CHALK, white (5Y 8/1; 2.5Y N8/0) and light gray (5Y 8/1). Biscuits are distributed at intervals of 2 to 5 cm throughout entire core. Biscuits are slightly disturbed and slightly bioturbated. Several mottled zones, greenish gray (5GY7/1), are scattered throughout the core.

SMEAR SLIDE SUMMARY (%):

	1, 120 D	2, 80 D	4, 80 D
TEXTURE:			
Sand	5	3	---
Silt	90	90	95
Clay	5	7	5
COMPOSITION:			
Foraminifers	30	20	20
Glass	Tr	Tr	Tr
Micrite	30	60	48
Nannofossils	40	20	30
Opaques	Tr	---	---
Radiolarians	Tr	Tr	2
Spicules	Tr	Tr	---



SITE 752 HOLE A CORE 17X CORED INTERVAL 151.7-161.4 mbsf

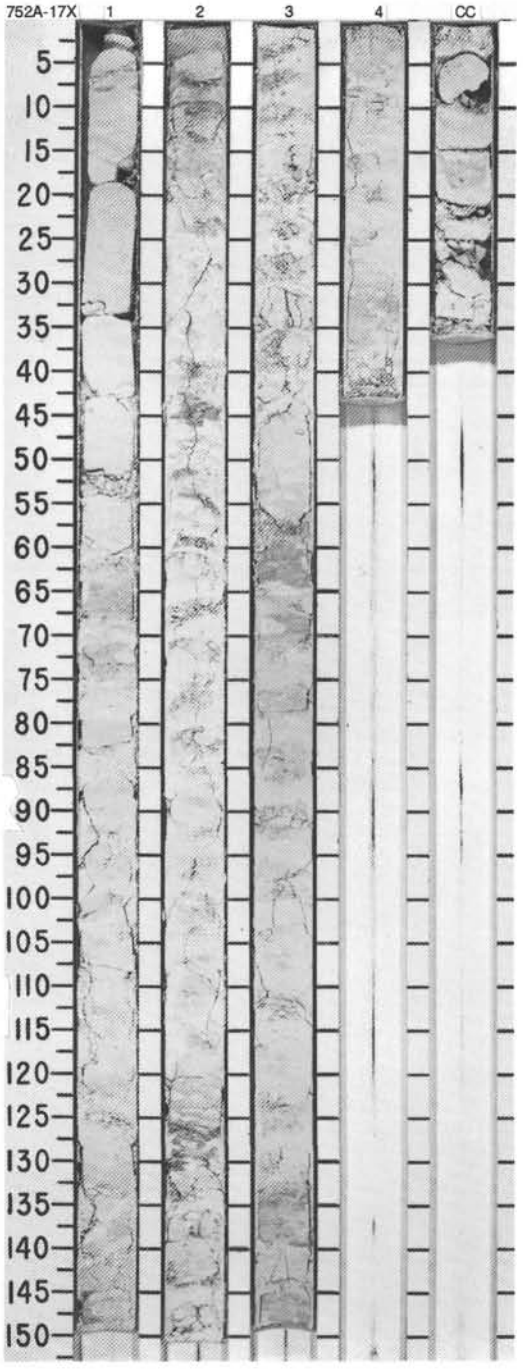
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER EOCENE	P6 - 8	CP9a		*P. gracilis*	Normal / Reversed	●49.8 ●1.91 / ●49.3 ●1.89	●84.8 ●84.1 ●85.0	1, 2, 3, 4, CC	0.5, 1.0		mm		*	CALCAREOUS NANNOFOSSIL CHALK WITH FORAMINIFERS

Mildly disturbed drilling biscuits interspersed with highly disturbed sediment resulting from rotary extended core barrel drilling.

Major lithology: CALCAREOUS NANNOFOSSIL CHALK with FORAMINIFERS. White (5Y 8/1) and light gray (5Y 7/1) and greenish gray (5GY 6/1) biscuits 5 to 10 cm long and spaced 3 to 5 cm apart. Biscuits are slightly disturbed, mottled,and bioturbated.

SMEAR SLIDE SUMMARY (%):

	1, 45 D	2, 129 D	3, 140 D
TEXTURE:			
Sand	5	30	5
Silt	90	65	90
Clay	5	5	5
COMPOSITION:			
Foraminifers	10	15	15
Glass	---	8	Tr
Micrite	45	35	35
Nannofossils	45	40	50
Radiolarians	Tr	---	Tr
Spicules	Tr	Tr	Tr



SITE 752 HOLE A CORE 18X CORED INTERVAL 161.4-171.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER PALEOCENE / LOWER EOCENE	P6 - 8	CP9a		*T. tesselatum*	Reversed	● 0-51.7 ● 1-1.87	● 83.8 ● 83.6 ● 89.4	1	0.5				*
A/M	A/M CP8		C/G					1	1.0				*
								2					
								CC					

LITHOLOGIC DESCRIPTION

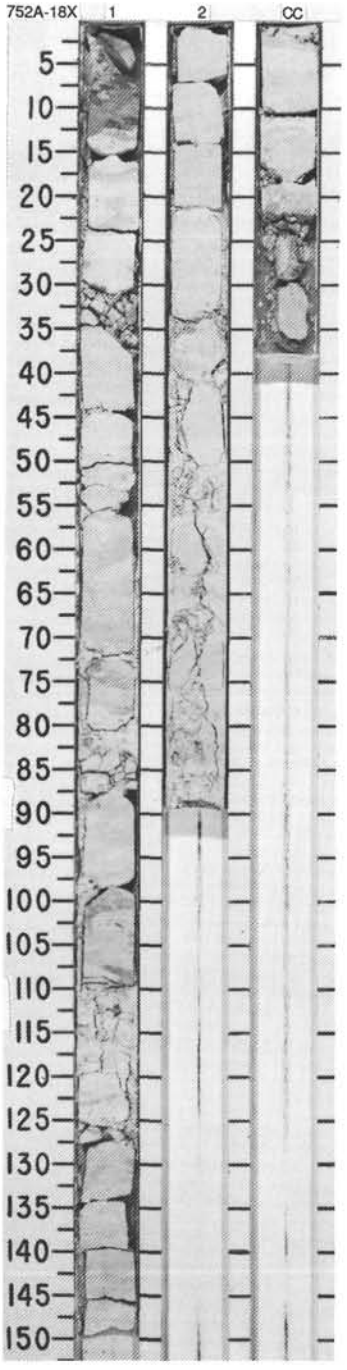
NANNOFOSSIL CALCAREOUS CHALK WITH FORAMINIFERS

Mildly disturbed biscuits interspersed with highly disturbed sediment resulting from rotary extended core barrel drilling.

Major lithology: NANNOFOSSIL CALCAREOUS CHALK with FORAMINIFERS. White (5Y 8/1) biscuits and fragments are 5 to 15 cm long and spaced 2 to 5 cm apart. Biscuits are slightly bioturbated and mottled in many places.

SMEAR SLIDE SUMMARY (%):

	1, 10 D	1, 90 D
TEXTURE:		
Sand	25	30
Silt	70	60
Clay	5	10
COMPOSITION:		
Foraminifers	12	15
Glass	7	Tr
Micrite	50	50
Nannofossils	30	35
Spicules	Tr	Tr



SITE 752 HOLE A CORE 19X CORED INTERVAL 171.1-180.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER PALEOCENE	P5/6	CP8	*T. tesselatum*		Reversed	● 0-53.4 ▼ 1.80	● 71.8	1	0.5 / 1.0				*
	A/M	A/M		C/M		● 0-59.9 ▼ 1.76	● 38.8	2					
						● 0-58.6 ▼ 1.67	62.5 ● 72.4	3					* OG
								4					LW *
								CC					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CALCAREOUS CHALK WITH FORAMINIFERS

Moderately disturbed drilling biscuits that are surrounded by more disturbed sediment resulting from the rotary extended core barrel drilling.

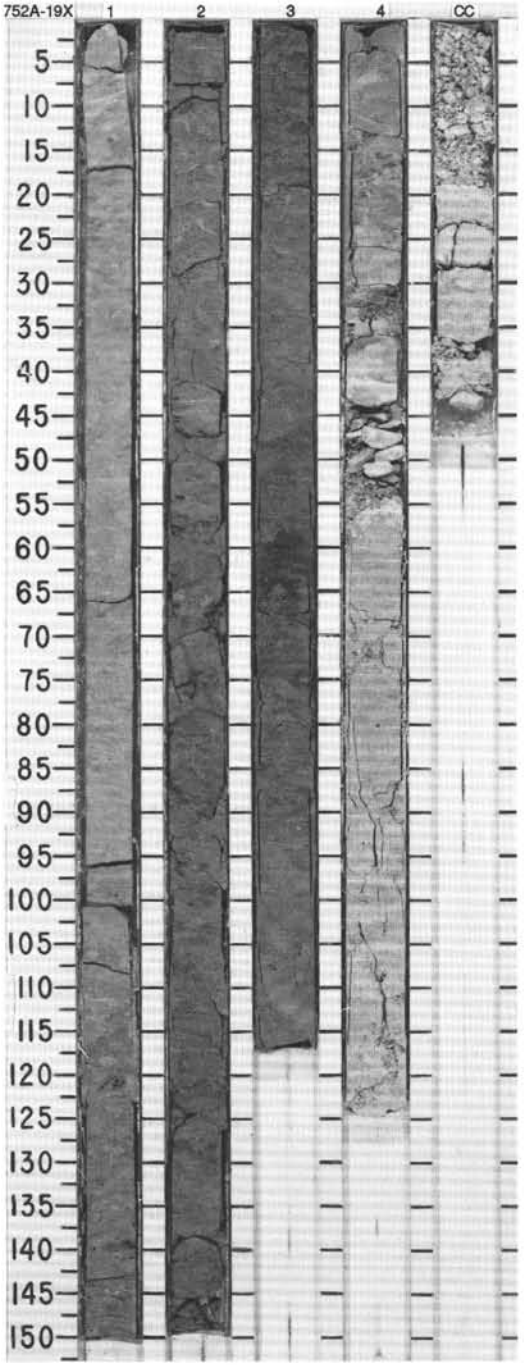
Major lithology: NANNOFOSSIL CALCAREOUS CHALK with FORAMINIFERS. Light gray (5Y 6/1) grading into gray (5Y5/1). Biscuits are highly mottled and bioturbated.

Minor lithology: Chert Section 4, 43-57 cm, light gray Z(5Y 7/1) layer consisting of chert fragments that are pebble size to several centimeters across.

Minor lithology: Ash. Section 3 60 to 65 cm. Volcanic ash with foraminifers, nannofossils and micrite that is gray(5Y 7/1) in color.

SMEAR SLIDE SUMMARY (%):

	1, 60 D	3, 60 M	4, 60 D
TEXTURE:			
Sand	25	10	15
Silt	70	80	75
Clay	5	10	10
COMPOSITION:			
Foraminifers	12	13	12
Glass	3	55	Tr
Micrite	50	17	45
Nannofossils	35	15	40
Spicules	Tr	Tr	---



SITE 752 HOLE A CORE 20X CORED INTERVAL 180.7-190.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER PALEOCENE	C/M P5/6	A/M CP8		C/M *T. tesselatum*	Reversed	●47.9 ●1.89	80.7 ● ●80.0	1, 2, CC	0.5, 1.0				*

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CALCAREOUS CHALK WITH FORAMINIFERS.

Drilling biscuits that are mildly to moderately disturbed at the base of the core.

Major lithology: NANNOFOSSIL CALCAREOUS CHALK with FORAMINIFERS. Light gray (5Y 7/1) biscuits are slightly bioturbated and moderately to very disturbed. The biscuits are mottled throughout the entire core.

SMEAR SLIDE SUMMARY (%):

	1, 60 D
TEXTURE:	
Sand	10
Silt	75
Clay	15
COMPOSITION:	
Foraminifers	15
Glass	Tr
Micrite	50
Nannofossils	35
Spicules	Tr

SITE 752 HOLE A CORE 21X CORED INTERVAL 190.4-200.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER PALEOCENE	C/M P4	A/M CP8		A/G *T. tesselatum*	Reversed	●47.1 ●1.99 ●54.7 ●1.81	83.6 ● 87.1 ● 64.1	1, 2, CC	0.5, 1.0				* * *

LITHOLOGIC DESCRIPTION

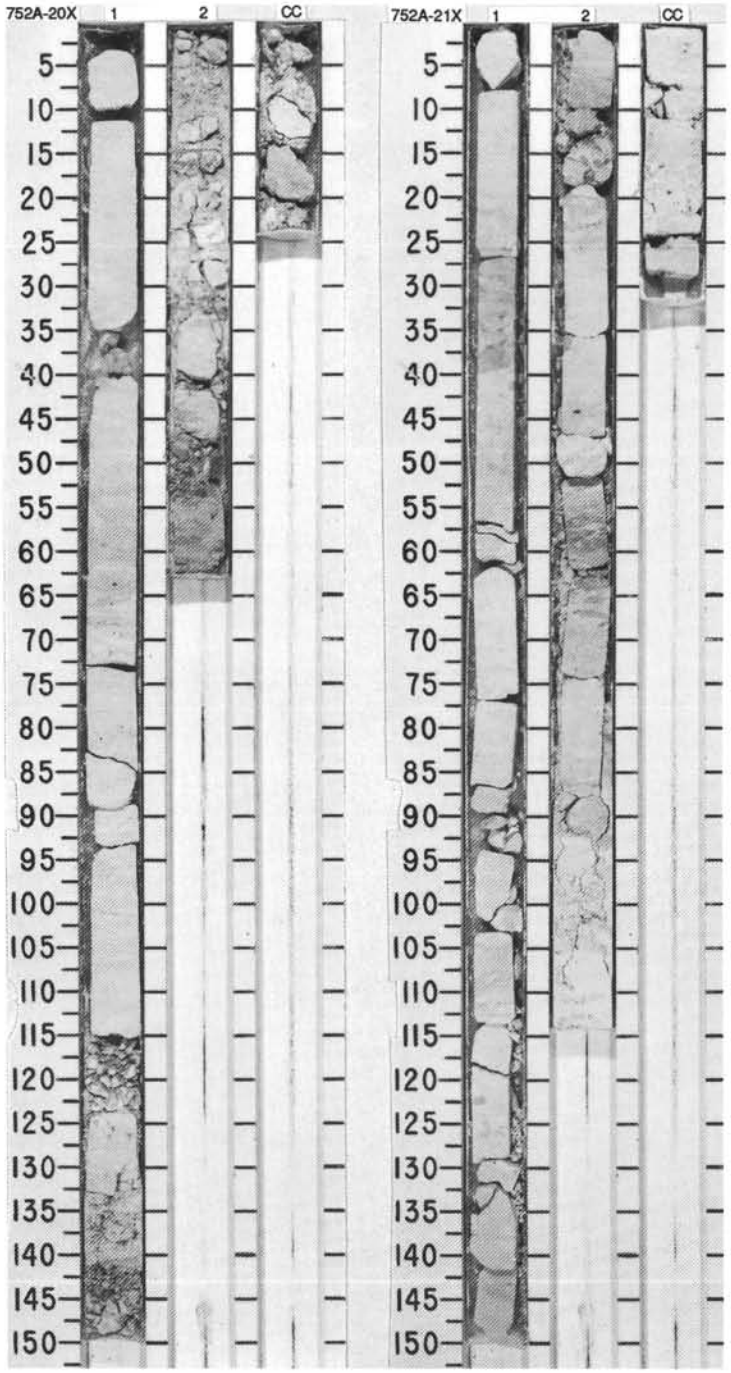
CALCAREOUS CHALK WITH NANNOFOSSILS

Mildly to moderately disturbed drilling biscuits surrounded by more disturbed sediment due to rotary extended core barrel drilling.

Major lithology: CALCAREOUS CHALK with NANNOFOSSILS.White (5Y 8/1) to light gray (5Y 7/1) and gray (5Y 5/1) biscuits that are 5 to 25 cm in length and are faintly to strongly mottled. Volcanic ash (up to 5%) present in darker portions of core.

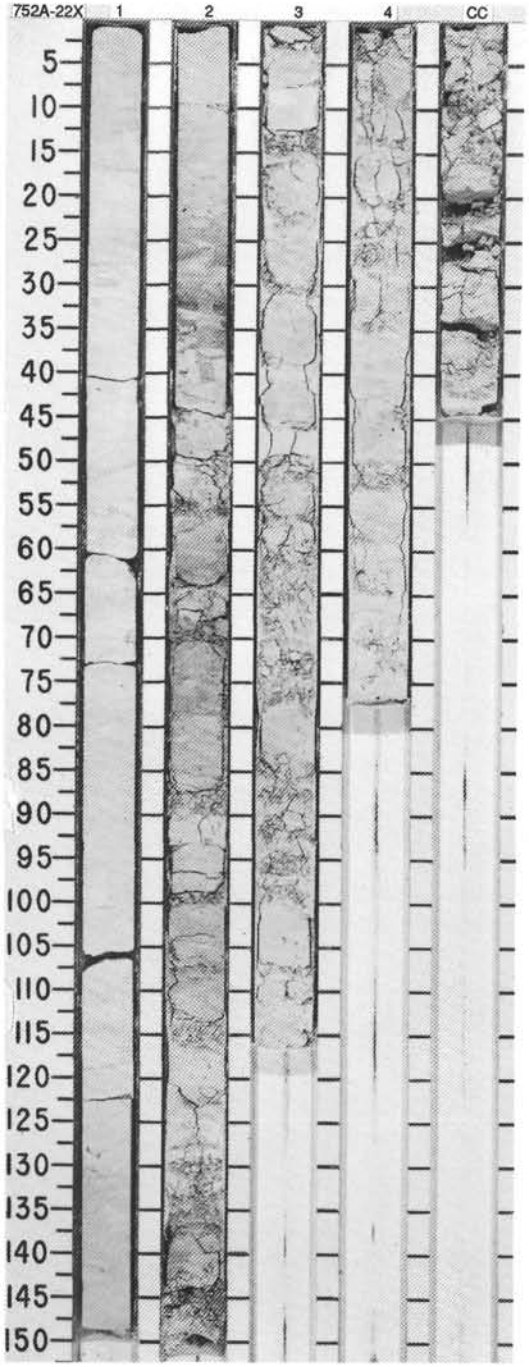
SMEAR SLIDE SUMMARY (%):

	1, 80 D	1, 99 M	2, 58 D
TEXTURE:			
Sand	7	10	10
Silt	80	80	75
Clay	13	10	15
COMPOSITION:			
Diatoms	---	1	---
Foraminifers	5	---	8
Glass	Tr	5	5
Micrite	75	69	65
Nannofossils	15	15	20
Radiolarians	---	10	---
Spicules	1	Tr	1
Silicoflagellates	---	Tr	---



SITE 752 HOLE A CORE 22X CORED INTERVAL 200.1-209.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER PALEOCENE	A/M P4	A/M CP7 / CP8		A/G *T. tesselatum*	Normal / Reversed	79.1 ● 84.7 ● 88.9 ● 9-42.5 12.02 ● 9-42.1 12.03		1 2 3 4 CC	0.5 1.0				TW OG	CALCAREOUS CHALK WITH NANNOFOSSILS Biscuits of minor disturbance in drilling matrix. Disturbance is most pronounced in Sections 2 and 3. Major lithology: CALCAREOUS CHALK with NANNOFOSSILS. Biscuits are light gray (2.5Y 7/1) grading into a greenish gray (5G 7/1) and finally into a white color (5Y 8/1).Biscuits are mottled throughout the entire core. SMEAR SLIDE SUMMARY (%): 1, 90 D / 4, 40 D TEXTURE: Sand 8 4 Silt 80 75 Clay 12 20 COMPOSITION: Foraminifers 5 5 Glass Tr 3 Micrite 80 80 Nannofossils 12 10 Spicules Tr Tr



SITE 752 HOLE A CORE 23X CORED INTERVAL 209.8-219.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER PALEOCENE	A/M P4	A/M CP6		A/G *T. tesselatum*	Normal	● 0.43.5 ● 0.44.9 ● 1.97 ● 2.01	● 85.6 ● 80.4 ● 77.8	1, 2, CC	0.5, 1.0				*

LITHOLOGIC DESCRIPTION

CALCAREOUS CHALK WITH NANNOFOSSILS AND NANNOFOSSIL CALCAREOUS CHALK

Sections 1-2 are moderately disturbed.

Major lithology: CALCAREOUS CHALK with NANNOFOSSILS and NANNOFOSSIL CALCAREOUS CHALK, light gray (N7/), with mottling, bioturbation and dark blebs throughout core. Drilling biscuits 3-7 cm long within fragmented chalk matrix.

Chert fragments in Section 1.

SMEAR SLIDE SUMMARY (%):

	1, 91 D	CC, 6 D
TEXTURE:		
Sand	5	2
Silt	80	90
Clay	15	8
COMPOSITION:		
Foraminifers	3	---
Glass	Tr	Tr
Micrite	86	60
Nannofossils	10	35
Radiolarians	1	4
Spicules	Tr	1

SITE 752 HOLE A CORE 24X CORED INTERVAL 219.5-229.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER PALEOCENE	A/M P4	A/G CP5		A/G *T. tesselatum*	(68.8) Reversed	● 0.25.9 ● 0.66.0 ● 1.83 ● 1.74	● 64.7 ● 58.2	1, 2	0.5, 1.0	VOID		P	*

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CALCAREOUS CHALK WITH RADIOLARIANS, AND RADIOLARIAN AND NANNOFOSSIL CALCAREOUS CHALK

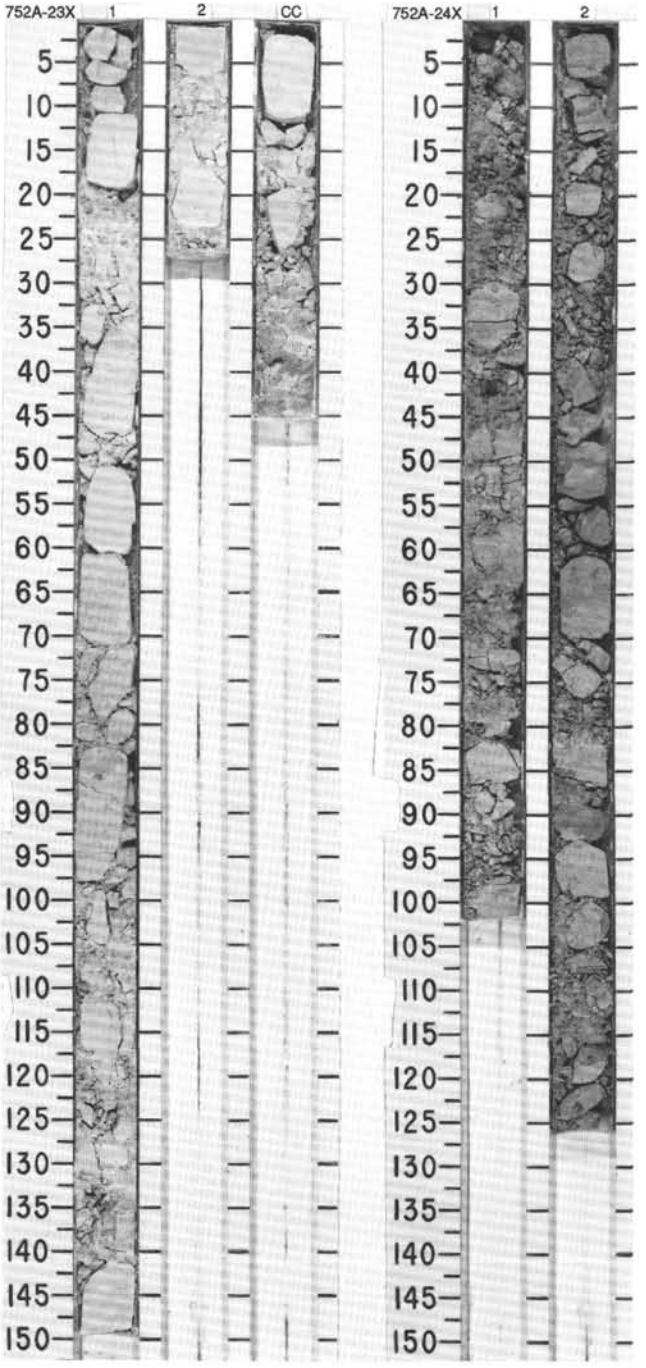
Moderately disturbed.

Major lithology: NANNOFOSSIL CALCAREOUS CHALK with RADIOLARIANS, and RADIOLARIAN and NANNOFOSSIL CALCAREOUS CHALK, greenish gray (5G, 5/1), mottled and bioturbated throughout core. Drilling biscuits 2-9 cm long within fragmented chalk matrix.

Pyrite pebble, 3 cm diameter, Section 1, 0-3 cm.

SMEAR SLIDE SUMMARY (%):

	1, 32 D	2, 57 M	2, 91 D
TEXTURE:			
Sand	3	4	2
Silt	90	86	90
Clay	7	10	8
COMPOSITION:			
Diatoms	---	2	2
Foraminifers	7	---	---
Glass	1	3	2
Micrite	---	54	35
Nannofossils	25	25	25
Opaques	Tr	---	Tr
Radiolarians	22	15	35
Spicules	Tr	Tr	Tr
Silicoflagellates	Tr	1	---
Spar Cement	45	---	---



SITE 752 HOLE A CORE 25X CORED INTERVAL 229.1-238.8 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER PALEOCENE	A/M P4	A/M CP5		A/G *T. tesselatum*	Reversed / Normal	• 0-61.7 • 1.83 • 0-50.5 • 1.88	• 72.5 • 78.7 • 61.4	1, 2, 3, CC	0.5, 1.0				OG, IW

LITHOLOGIC DESCRIPTION

RADIOLARIAN CALCAREOUS CHALK WITH NANNOFOSSILS, AND NANNOFOSSIL AND RADIOLARIAN CALCAREOUS CHALK

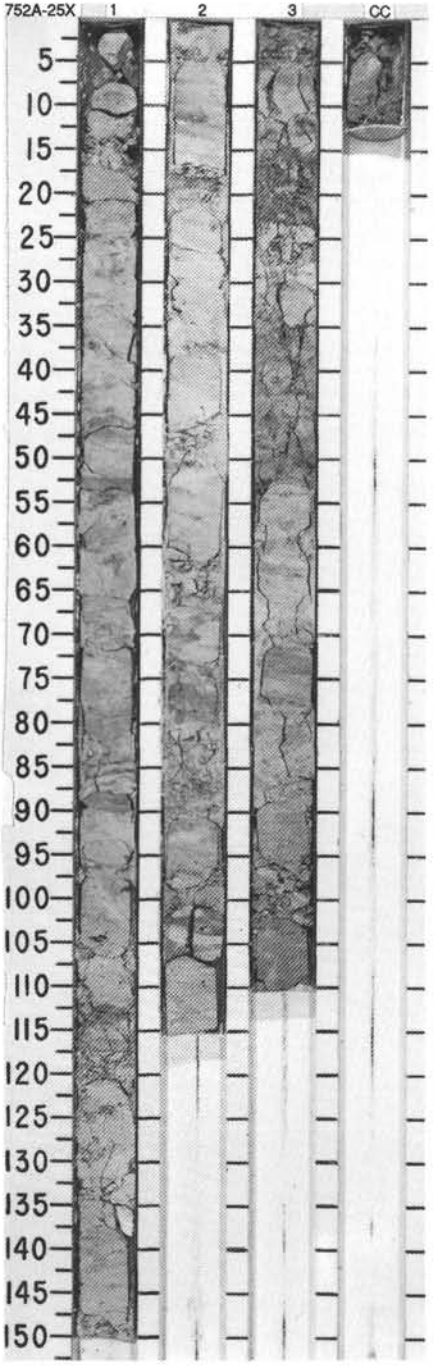
Drilling disturbance: Sections 1-3 are slightly disturbed.

Major lithology: RADIOLARIAN CALCAREOUS CHALK with NANNOFOSSILS, and NANNOFOSSIL and RADIOLARIAN CALCAREOUS CHALK, greenish gray (5G 6/1) to pale green (5G 6/2) chalk biscuits, in fragmented matrix, which are mottled and bioturbated.

Shell fragments in Section 1, 120 cm and Section 2, 114 cm.

SMEAR SLIDE SUMMARY (%):

	1, 89 M	1, 143 D	2, 93 D
TEXTURE:			
Sand	15	2	2
Silt	75	92	90
Clay	10	6	8
COMPOSITION:			
Diatoms	1	2	3
Foraminifers	Tr	5	3
Glass	2	2	1
Micrite	51	46	38
Nannofossils	30	20	25
Opaques	---	Tr	---
Radiolarians	15	25	30
Spicules	1	Tr	Tr
Silicoflagellates	---	Tr	Tr



SITE 752 HOLE A CORE 26X CORED INTERVAL 238.8-248.4 mbsf

TIME-ROCK UNIT: UPPER PALEOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS: P4 (C/M); NANNOFOSSILS: CP5 (A/M); RADIOLARIANS: (A/G); DIATOMS: *H. incurvus*

PALEOMAGNETICS: Reversed

PHYS. PROPERTIES: ● 60.7, ● 60.1, ● 52.7, ● 64.4

CHEMISTRY: ● 59.7, 75.8 ●, ● 67.7

SECTION: 1, 2, 3, 4, 5, 6, CC

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY: VOID, VOID, VOID

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: *

LITHOLOGIC DESCRIPTION

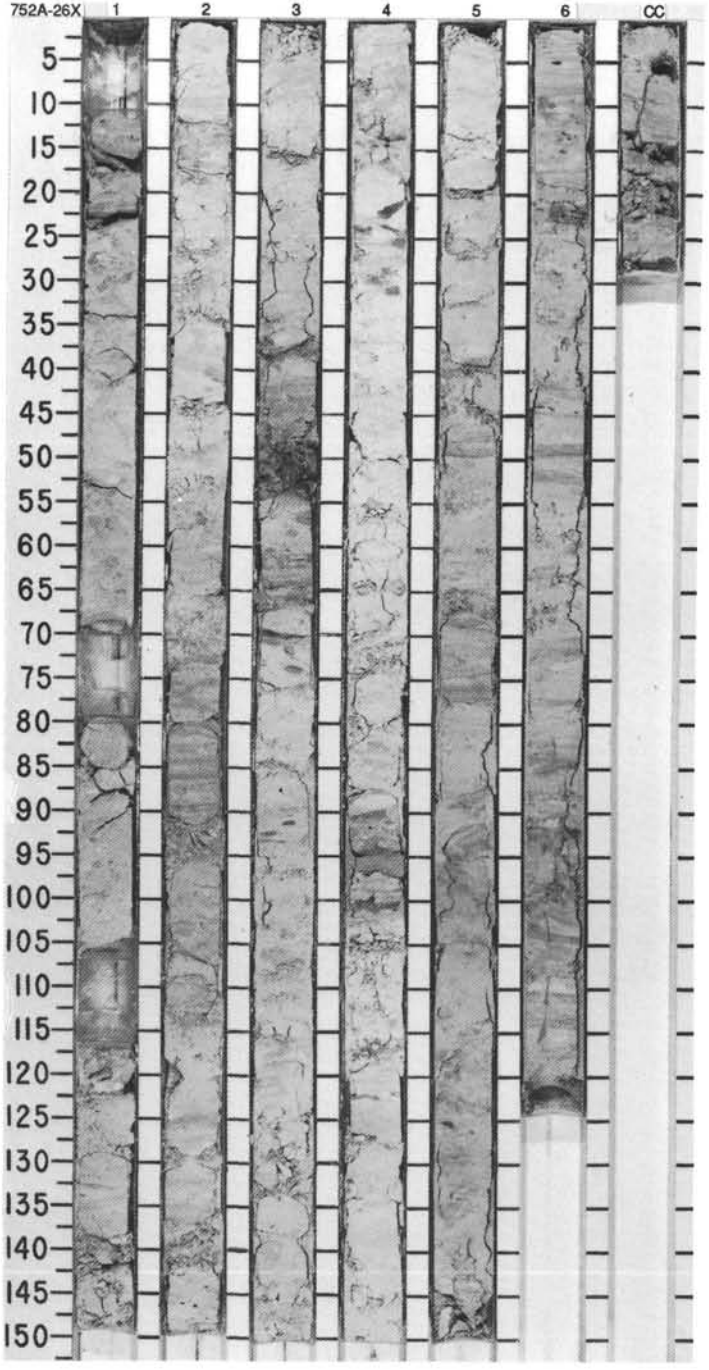
CALCAREOUS CHALK WITH NANNOFOSSILS, RADIOLARIANS, AND DIATOMS, AND DIATOM CALCAREOUS CHALK WITH NANNOFOSSILS

Drilling disturbance is severe to moderate between drilling biscuits, the total core being moderately disturbed.

Major lithology: CALCAREOUS CHALK with NANNOFOSSILS, RADIOLARIANS, and DIATOMS, and DIATOM CALCAREOUS CHALK with NANNOFOSSILS, light greenish gray (5G 7/1, 5BG 7/1) in color. The core is mottled with alternating layers of horizontal green laminae and cross-bedded laminae with bioturbated layers with visible burrows. Biscuits occur at nearly regular intervals of 10 to 20 cm.

SMEAR SLIDE SUMMARY (%):

	2, 38 D	3, 52 M	4, 76 D	4, 94 M	6, 77 D
TEXTURE:					
Sand	10	10	15	20	8
Silt	85	80	80	70	85
Clay	5	10	5	10	7
COMPOSITION:					
Diatoms	20	15	25	1	25
Foraminifers	---	---	Tr	---	Tr
Glass	1	10	1	60	1
Micrite	44	58	50	22	50
Nannofossils	15	15	19	15	15
Radiolarians	19	2	5	---	9
Spicules	1	---	Tr	2	Tr



SITE 752 HOLE A CORE 27X CORED INTERVAL 248.4-258.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MIDDLE PALEOCENE	A/M P3 - P4	A/M CP4 - CP5		A/G *H. incurous*	Reversed	ϕ=52.9 ● 1.86 ϕ=59.7 ● 1.73	● 76.6 ● 81.2 ● 58.2	1 2 3 4 CC	0.5 1.0				* *

LITHOLOGIC DESCRIPTION

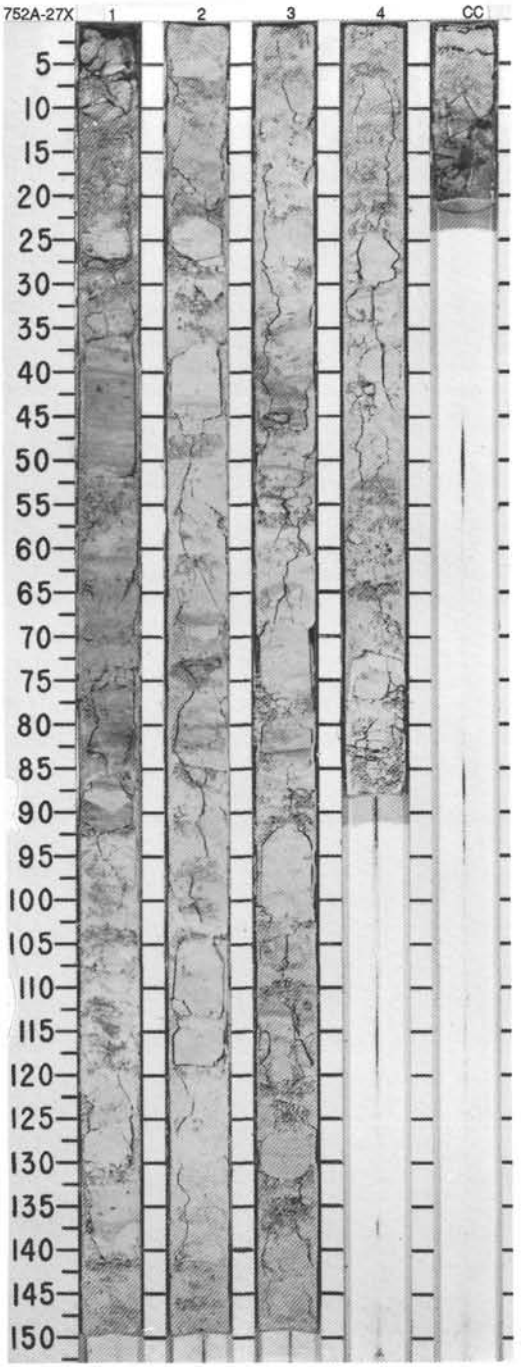
CALCAREOUS CHALK WITH DIATOMS AND NANNOFOSSILS

Moderate drilling disturbance with biscuits in a severely disturbed matrix.

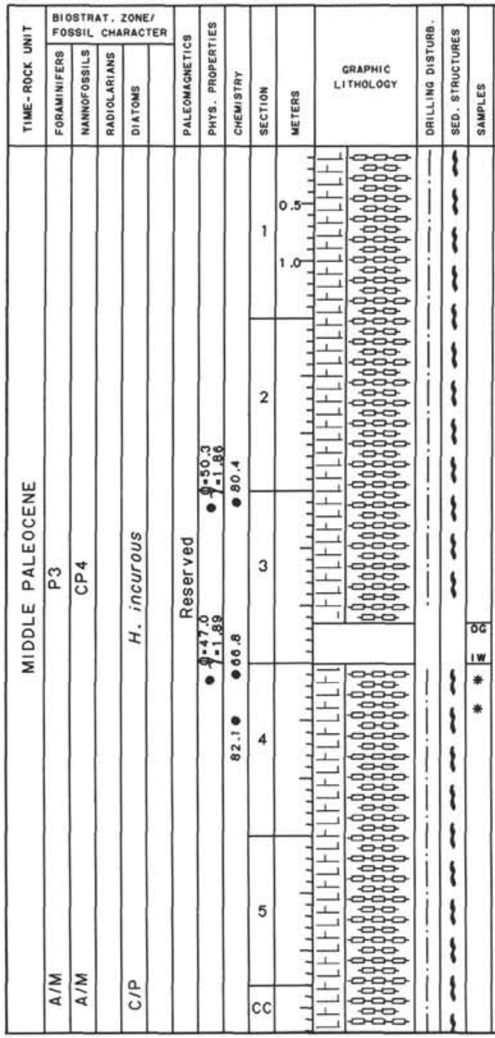
Major lithology: CALCAREOUS CHALK with DIATOMS and NANNOFOSSILS, greenish gray (5G 6/1) to light greenish gray(5G 7/1) in color. The core is mottled and alternately bioturbated and laminated as seen in biscuits. Nearly whole shells and shell fragments at 12 and 28 cm.

SMEAR SLIDE SUMMARY (%):

	1, 40 D	2, 40 D
TEXTURE:		
Sand	2	---
Silt	83	90
Clay	15	10
COMPOSITION:		
Diatoms	20	10
Glass	Tr	Tr
Micrite	70	70
Nannofossils	10	20
Radiolarians	Tr	Tr



SITE 752 HOLE A CORE 28X CORED INTERVAL 258.1-267.7 mbsf



LITHOLOGIC DESCRIPTION

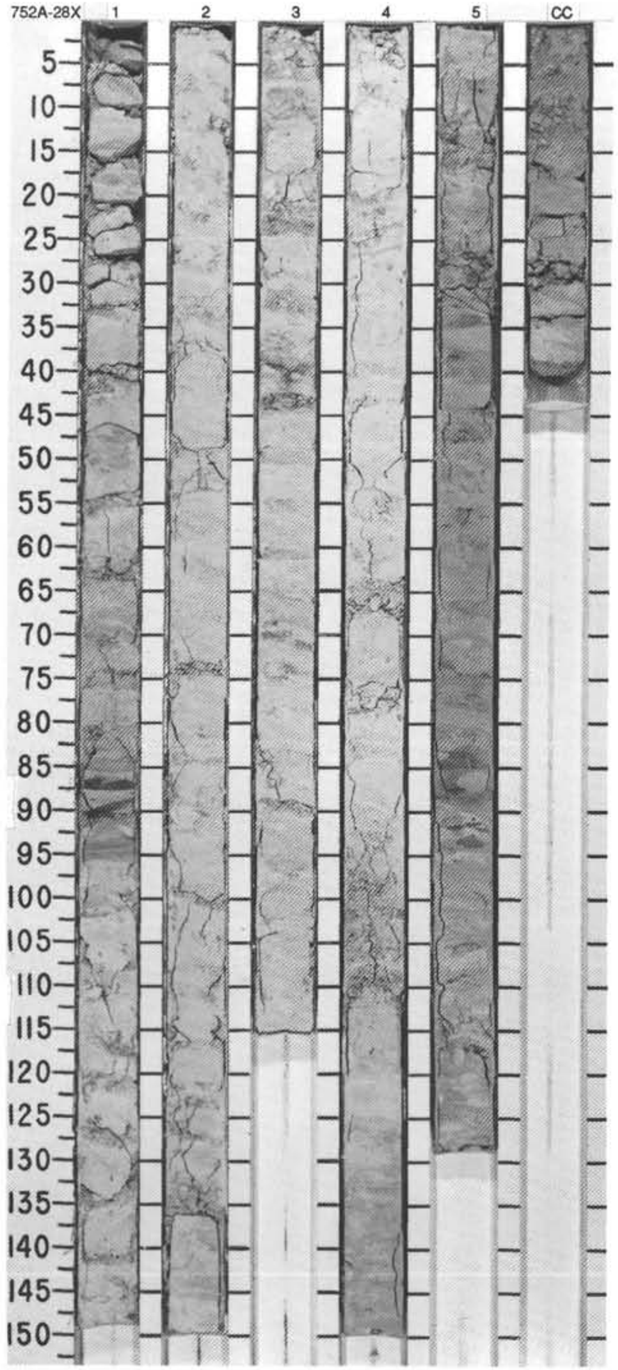
NANNOFOSSIL CALCAREOUS CHALK WITH RADIOLARIANS AND DIATOMS

Moderate disturbance with biscuits in drilling matrix.

Major lithology: NANNOFOSSIL CALCAREOUS CHALK with RADIOLARIANS and DIATOMS, light greenish gray (5G 7/1, 5B7/1) to greenish gray (5BG 6/1). The core is mottled with bioturbated and laminated sections visible in the biscuits.

SMEAR SLIDE SUMMARY (%):

	4, 15 D	4, 40 D
TEXTURE:		
Sand	2	10
Silt	90	75
Clay	8	15
COMPOSITION:		
Diatoms	15	20
Foraminifers	3	Tr
Glass	Tr	Tr
Micrite	40	40
Nannofossils	32	30
Radiolarians	10	10
Spicules	Tr	Tr
Silicoflagellates	Tr	Tr



SITE 752 HOLE A CORE 29X CORED INTERVAL 267.7-277.4 mbsf

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CALCAREOUS CHALK

Moderately disturbed with biscuits in matrix.

Major lithology: NANNOFOSSIL CALCAREOUS CHALK, light greenish gray (5G, 7/1) to greenish gray (5BG 6/1) drilling biscuits, in fragmented and soft matrix. Some biscuits show planar laminae, while others are mottled and bioturbated.

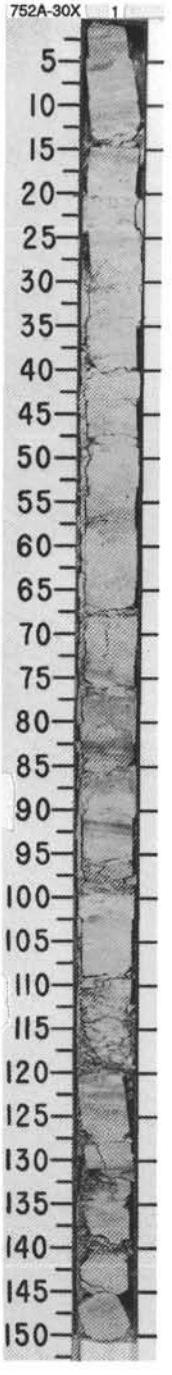
Angular chert pebbles, smaller than 0.5 cm, in Sections 1,0-4 and 27-29 cm, and 2, 27-29 cm.

SMEAR SLIDE SUMMARY (%):

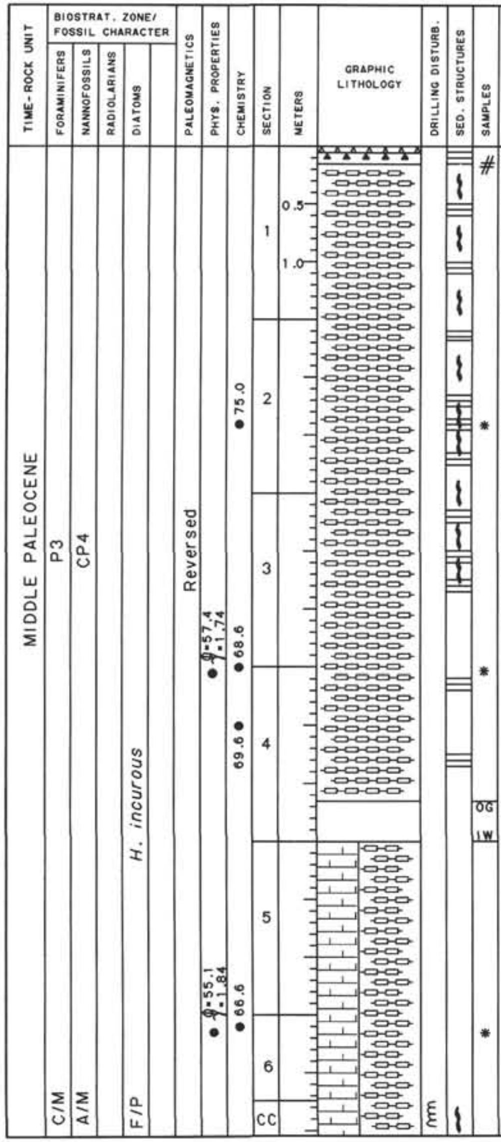
	4, 13 D	4, 13 D	6, 148 D
TEXTURE:			
Sand	3	3	---
Silt	93	92	96
Clay	4	5	4
COMPOSITION:			
Diatoms	8	10	2
Foraminifers	3	3	5
Glass	Tr	Tr	Tr
Micrite	50	50	50
Nannofossils	31	30	35
Opaques	Tr	Tr	---
Quartz	Tr	Tr	Tr
Radiolarians	8	7	8
Spicules	Tr	Tr	---
Silicoflagellates	Tr	---	---

SITE 752 HOLE A CORE 30X CORED INTERVAL 277.4-279.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
MIDDLE PALEOCENE	P3	CP4		Barren	Reversed	● 46.0 ● 1.95	● 78.1	1	0.5 1.0				*	NANNOFOSSIL CALCAREOUS CHALK Moderately disturbed. Major lithology: NANNOFOSSIL CALCAREOUS CHALK, light gray (N7/) to light greenish gray (5Y 7/1) drilling biscuits, in fragmented matrix. Some biscuits are planar laminated, a few laminae show planar cross-bedding, while mottling and bioturbation are common. SMEAR SLIDE SUMMARY (%): 1, 123 D TEXTURE: Sand 3 Silt 92 Clay 5 COMPOSITION: Diatoms 5 *Foraminifers* 7 Glass Tr Micrite 50 Nannofossils 35 Radiolarians 3 Spicules Tr



SITE 752 HOLE A CORE 31X CORED INTERVAL 279.4-288.7 mbsf



LITHOLOGIC DESCRIPTION

CALCAREOUS CHALK, AND NANNOFOSSIL CALCAREOUS CHALK

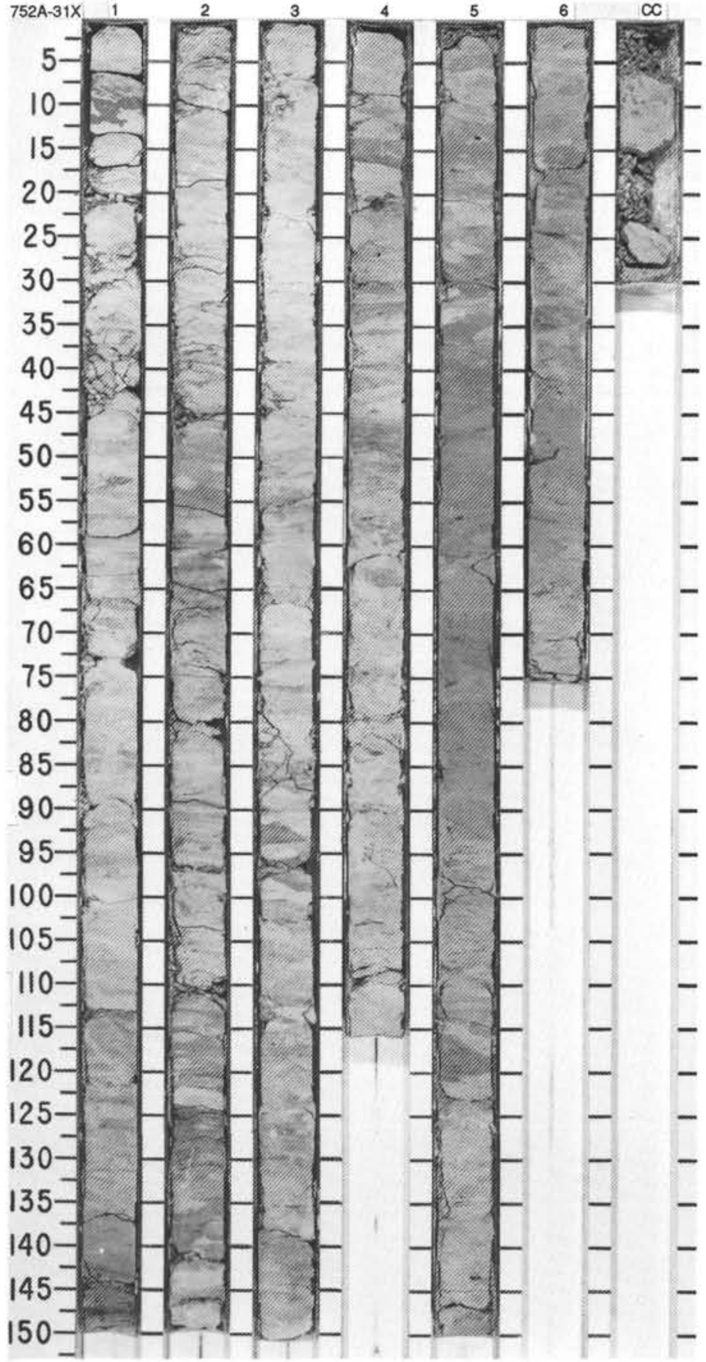
Undisturbed.

Major lithology: CALCAREOUS CHALK, and NANNOFOSSIL CALCAREOUS CHALK, sometimes in drilling biscuit form, light gray (N7) to pale green (5G 6/2). Some chalk sections have planar laminae, while others are mottled and bioturbated.

Minor lithology: Porcellanite, Section 1, 0-6 cm. Chert,Section 1, 6-13 cm.

SMEAR SLIDE SUMMARY (%):

	1, 9 M	2, 91 D	4, 4 D	6, 15 D
TEXTURE:				
Sand	---	5	5	5
Silt	---	85	90	90
Clay	---	10	5	5
COMPOSITION:				
Diatoms	---	1	9	2
Foraminifers	80	Tr	Tr	---
Glass	---	Tr	1	Tr
Micrite	---	70	70	65
Nannofossils	---	20	10	25
Opal	5	---	---	---
Opaques	---	2	1	---
Pore Space	3	---	---	---
Radiolarians	10	7	9	8
Spicules	---	Tr	---	Tr
Spicules	2	---	---	---



SITE 752 HOLE A CORE 32X CORED INTERVAL 288.7-298.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
(LOWER PALEOCENE) MIDDLE PALEOCENE	C/P P2 - 3	A/M (CP3) CP4	Barren		Reversed	● 0-43.5 1-2.04 ● 75.9	● 0-63.1 1-1.68 ● 41.5 ● 0-55.2 1-1.78 ● 70.3	1 2 3 4 5 6 7 CC	0.5 1.0		mm ---		* * *

LITHOLOGIC DESCRIPTION

CALCAREOUS CHALK WITH NANNOFOSSILS

Moderately disturbed with drilling biscuits in matrix.

Major lithology: CALCAREOUS CHALK with NANNOFOSSILS. Light gray (5GN 7/1) to dark gray (5Y 4/1) and greenish gray (5GY6/1) drilling biscuits, generally exhibiting mottles.Intervals of distinct (millimeter thick) grayish green laminae (5G 5/2) occur in Sections 4 to 6. Disseminated ash pumice pockets occur throughout entire core.

Minor lithology: Chert that is dark bluish gray (5BG 4/1) and occurs in Section 6, 123 to 125 cm.

SMEAR SLIDE SUMMARY (%):

	2, 20 D	3, 105 D	6, 80 D
TEXTURE:			
Sand	10	5	5
Silt	75	80	85
Clay	15	15	10
COMPOSITION:			
Foraminifers	2	7	Tr
Glass	2	Tr	Tr
Micrite	80	80	85
Nannofossils	10	10	10
Quartz	---	---	Tr
Radiolarians	2	Tr	Tr
Spicules	Tr	---	---

SITE 752 HOLE A CORE 33X CORED INTERVAL 298.4-308.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER PALEOCENE	C/M	A/M	Barren		Reversed	● 76.1 ● 43.5 1.2.04 ● 49.7 ● 52.0 1.1.81 ● 78.1 ● 42.8 1.2.07 ● 78.4 ● 40.8 1.2.15		1 2 3 4 CC	0.5 1.0			* *	

LITHOLOGIC DESCRIPTION

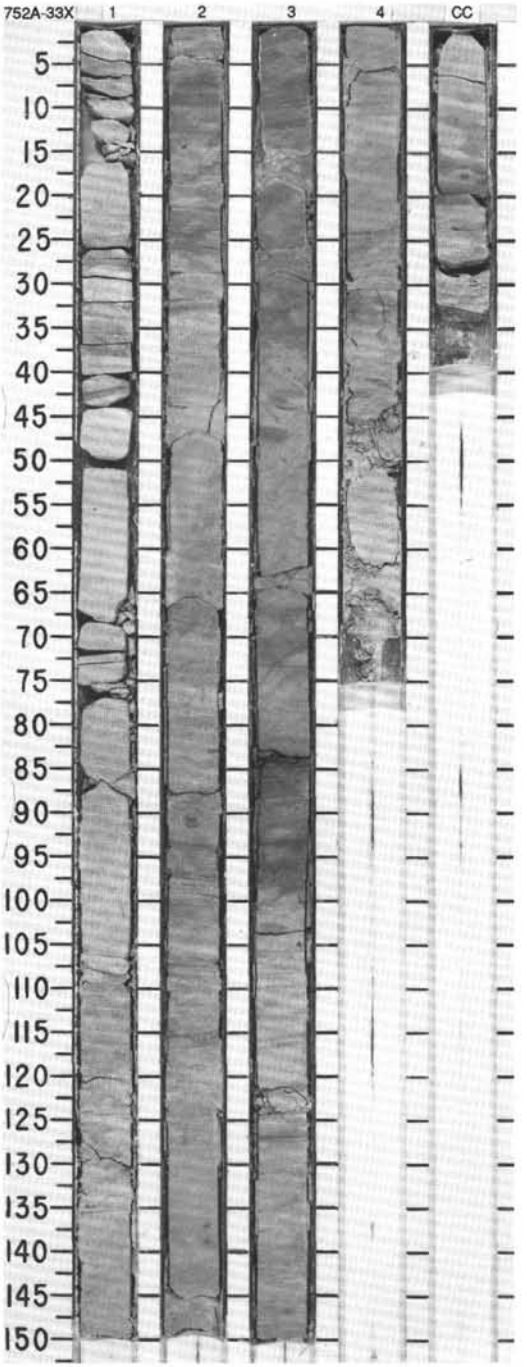
CALCAREOUS CHALK WITH NANNOFOSSILS

Sightly disturbed, chalk biscuits are surrounded by more disturbed sediment resulting from rotary extended core barrel drilling.

Major lithology: CALCAREOUS CHALK with NANNOFOSSILS. Light gray (5Y 7/1) chalk biscuits that show millimeter thick greenish gray (5G 5/1) laminae, that occur throughout the entire core. Cross-bedding relationships are common amongst these laminae. Mottling is common in the unlaminated sections. Pockets of disseminated ash occur in Section 2.

SMEAR SLIDE SUMMARY (%):

	1, 95 D	3, 95 D
TEXTURE:		
Sand	3	5
Silt	80	85
Clay	17	10
COMPOSITION:		
Apatite	---	Tr
Foraminifers	2	Tr
Glass	1	Tr
Micrite	80	85
Nannofossils	15	11
Quartz	1	1

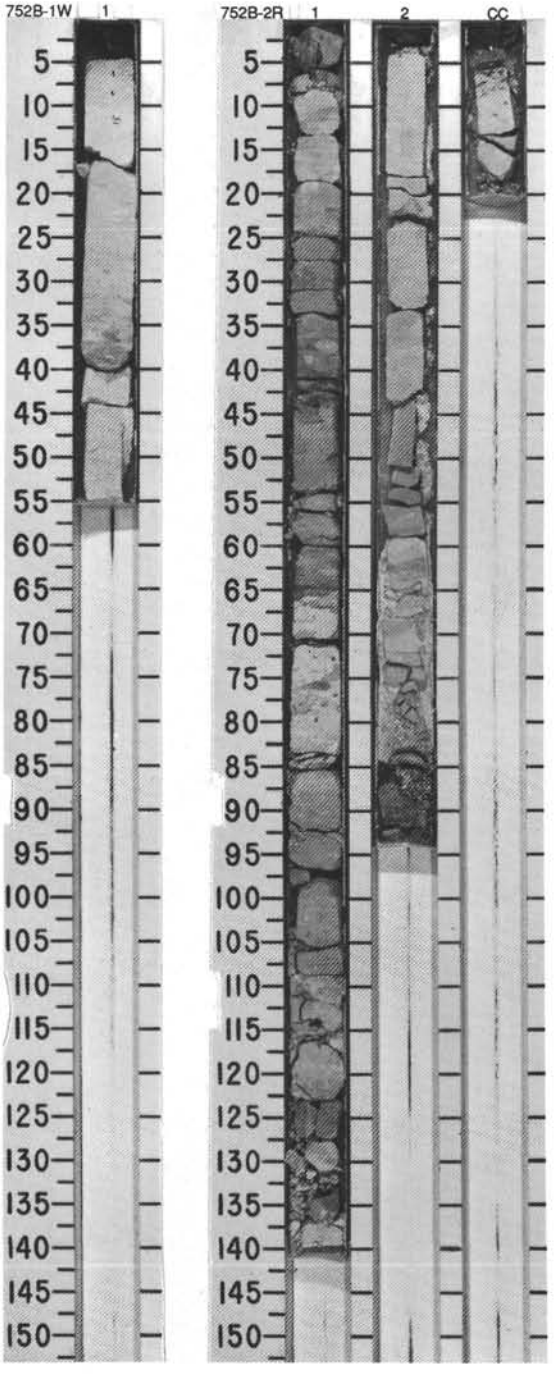


SITE 752 HOLE B CORE 1W CORED INTERVAL 0-120.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER EOCENE	A/M P6-8	A/M CP9b - 10		C/M *P. gracilis*	not measured			1						NANNOFOSSIL CHALK Major lithology: NANNOFOSSIL CHALK, white (5Y 8/1; 10YR8/1), moderately bioturbated. Small pumice blebs occur in the interval 5-15 cm. The upper 5 cm consists of pebble fragments, a grayish green (5G 4/2), ash-rich fragment and iron-stained limestones with shell fragments.

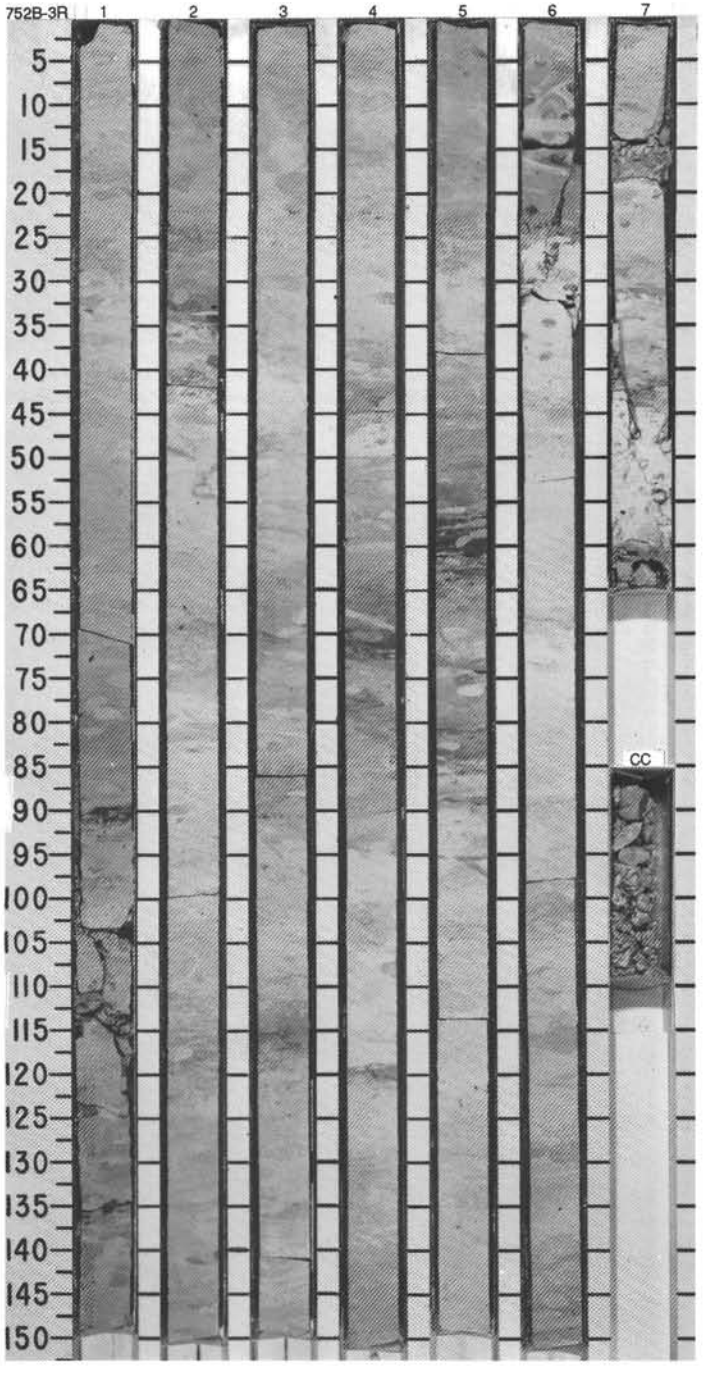
SITE 752 HOLE B CORE 2R CORED INTERVAL 120.0-129.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER EOCENE	no det.	A/M CP9b - 10		C/M *P. gracilis*	Normal	Φ=53.0 ● V=1995 V=2049 ● Φ=51.5 ρ=1.84 ρ=1.94	● 83.1 ● 84.8	1	0.5 1.0				*	CALCAREOUS CHALK WITH NANNOFOSSILS Core is moderately disturbed. Major Lithology: CALCAREOUS CHALK with NANNOFOSSILS. White(10YR 8/1) and light gray (5YR 7 /1) drilling biscuits that are mottled and bioturbated. Some faint ash layers are present. SMEAR SLIDE SUMMARY (%): 1, 80 D TEXTURE: Sand 5 Silt 85 Clay 10 COMPOSITION: Glass Tr Micrite 85 Nannofossils 12
								2					IW	
								CC						

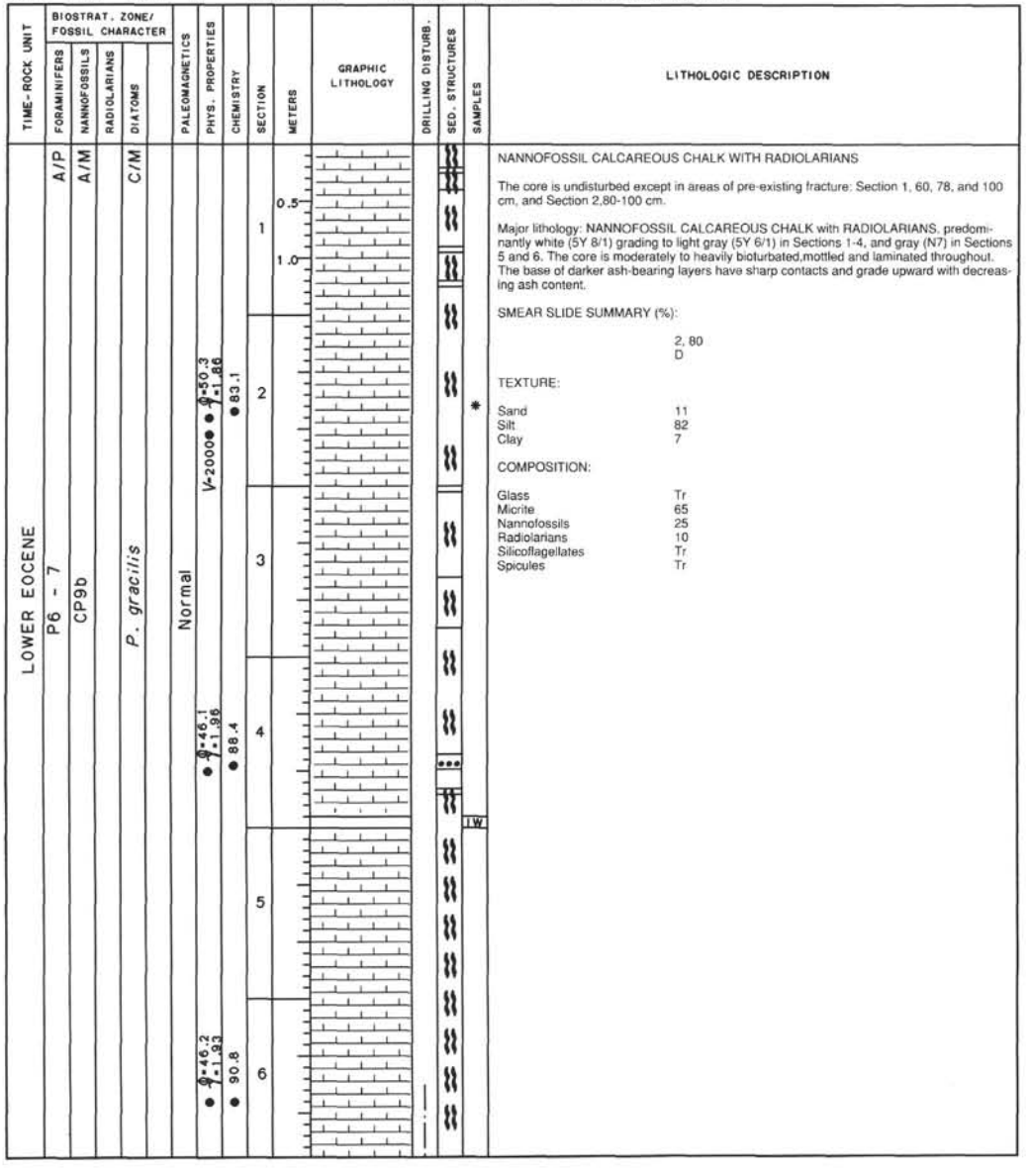


SITE 752 HOLE B CORE 3R CORED INTERVAL 129.7-139.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER EOCENE	P6 - 7	CP9b - 10	*P. gracilis*	A/M	A/M	C/M	Reversed	● 0-51.4 V-2004 1.91 ● 81.2	● 0-47.3 V-2156 1.99 ● 83.6	1	0.5					CALCAREOUS CHALK WITH NANNOFOSSILS Core is slightly disturbed. Major lithology: CALCAREOUS CHALK with NANNOFOSSILS. White (5Y 8/1) and light gray (10YR 7/1, 5Y 7/1) with moderate to heavy mottling. Ash layers and ash pockets present throughout the core. SMEAR SLIDE SUMMARY (%): 2, 90 D TEXTURE: Sand 5 Silt 80 Clay 15 COMPOSITION: Foraminifers Tr Micrite 85 Nannofossils 10
								2	1.0					
								3						
								4						
								5						
					Normal	● 0-46.6 V-2157 1.99 ● 87.2		6						
								7						
								CC						



SITE 752 HOLE B CORE 4W CORED INTERVAL 139.4-297.0 mbsf



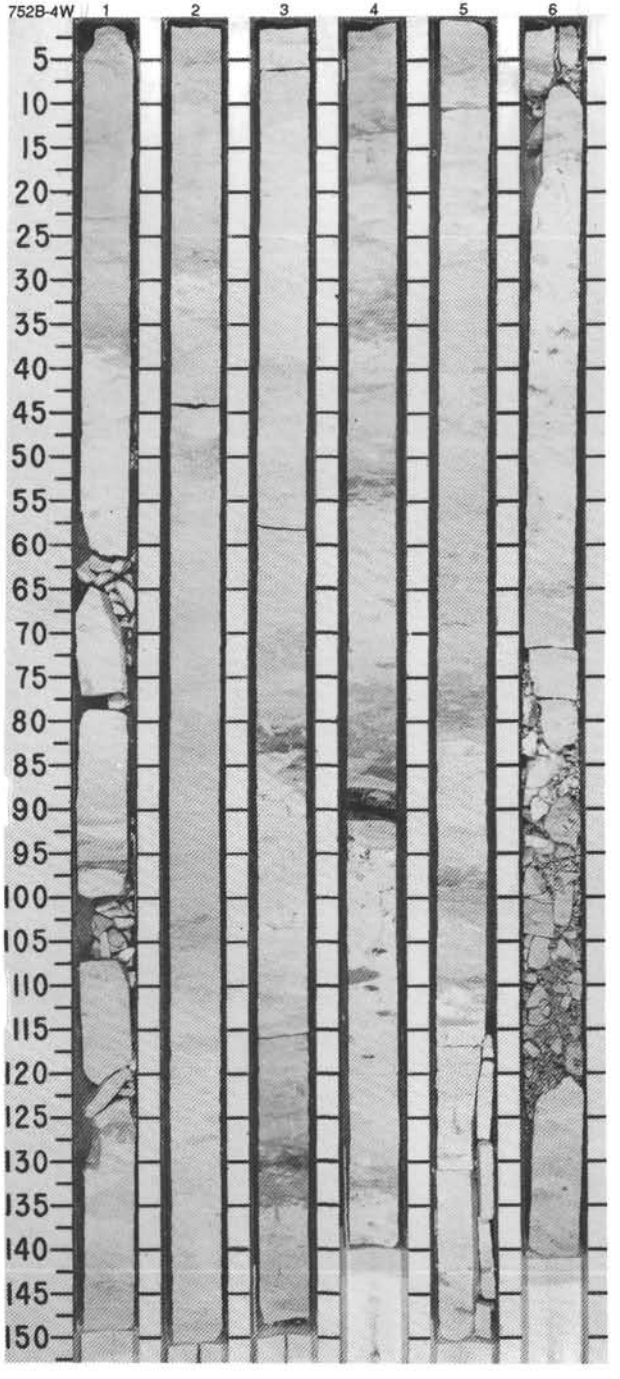
NANNOFOSSIL CALCAREOUS CHALK WITH RADIOLARIANS

The core is undisturbed except in areas of pre-existing fracture: Section 1, 60, 78, and 100 cm, and Section 2,80-100 cm.

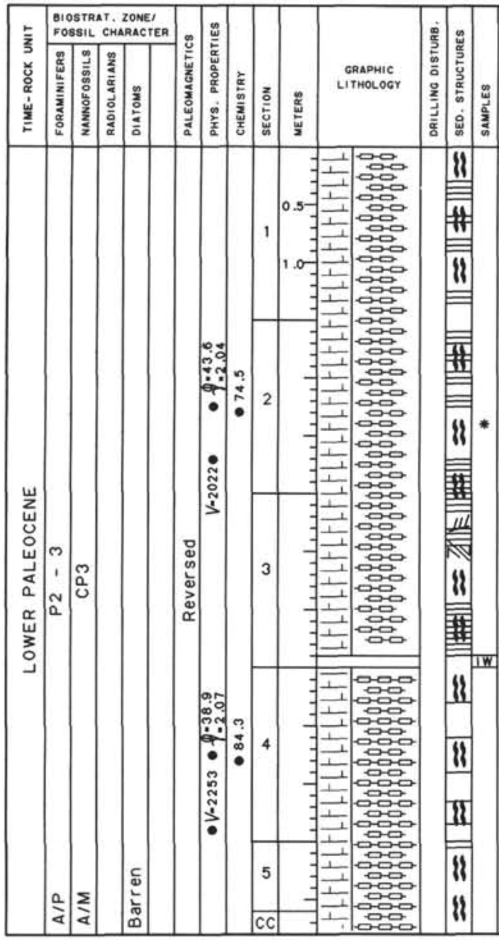
Major lithology: NANNOFOSSIL CALCAREOUS CHALK with RADIOLARIANS, predominantly white (5Y 8/1) grading to light gray (5Y 6/1) in Sections 1-4, and gray (N7) in Sections 5 and 6. The core is moderately to heavily bioturbated,mottled and laminated throughout. The base of darker ash-bearing layers have sharp contacts and grade upward with decreasing ash content.

SMEAR SLIDE SUMMARY (%):

	2, 80 D
TEXTURE:	
Sand	11
Silt	82
Clay	7
COMPOSITION:	
Glass	Tr
Micrite	65
Nannofossils	25
Radiolarians	10
Silicoflagellates	Tr
Spicules	Tr



SITE 752 HOLE B CORE 5R CORED INTERVAL 297-306.6 mbsf



LITHOLOGIC DESCRIPTION

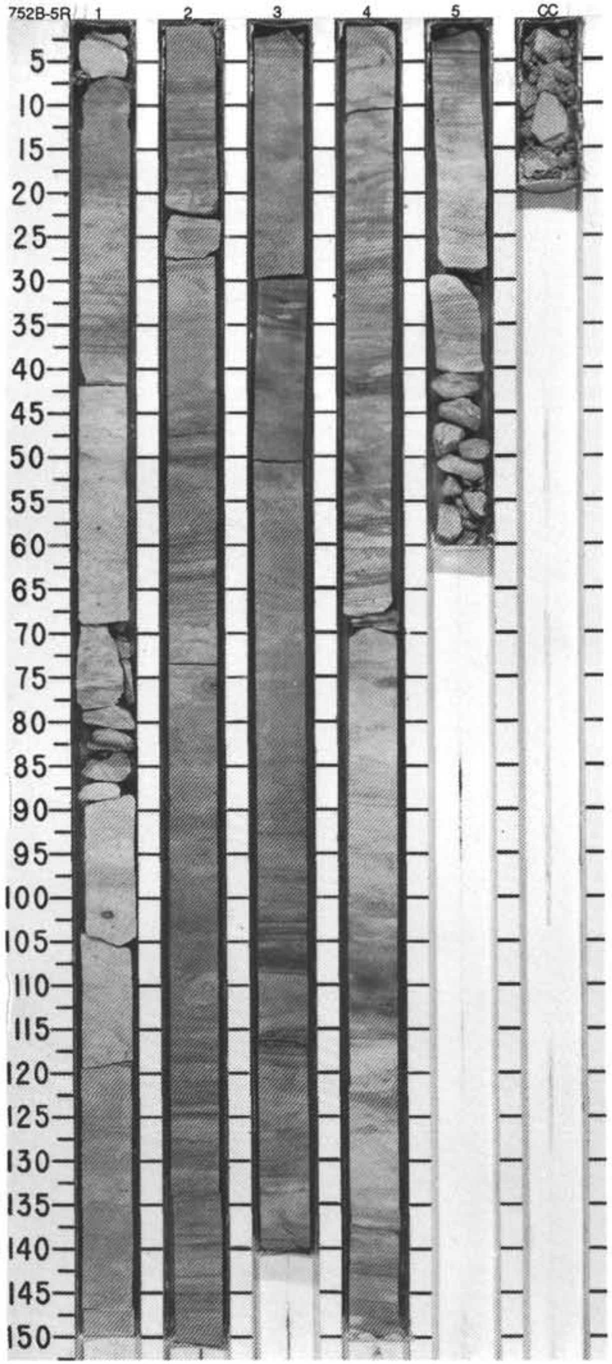
NANNOFOSSIL CALCAREOUS CHALK

Moderate disturbance only in Section 1, 70-85 cm and Section 5, 38-60 cm.

Major lithology: NANNOFOSSIL CALCAREOUS CHALK, greenish gray (5GY 6/1) in color with grayish green (5G 5/2) laminae. The laminae are clearly cross-bedded at Section 3, 30 cm. The core is strongly mottled. Visible burrows are noted, and the unit is moderately to heavily bioturbated. A large microfault is visible in Section 3 from 35-55 cm.

SMEAR SLIDE SUMMARY (%):

	2, 90 D
TEXTURE:	
Sand	---
Silt	93
Clay	7
COMPOSITION:	
Glass	2
Micrite	63
Nannofossils	35



SITE 752 HOLE B CORE 6R CORED INTERVAL 306.6-316.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER PALEOCENE	P2 - 3	CP3		Barren	Reversed / Normal / Reversed	V-2719 ● V-3462 ● ϕ-31.4 τ-2.21 ϕ-24.6 τ-2.30 ● 76.0 ● 81.6		1 2 3 4 5 CC	0.5 1.0				* #

LITHOLOGIC DESCRIPTION

CALCAREOUS CHALK

Core is undisturbed.

Major lithology: CALCAREOUS CHALK, light greenish gray (5G7/1), moderately bioturbated, containing smeared mottle sand wavy-laminae. Black blebs (ash?) appear in Section 3,at 36, 39, 50, and 57 cm.

Minor lithology: Porcellanite, light blue gray (5B 7/1),occurs throughout the core in minor amounts except Section 5, which is 50% porcellanite, and the core catcher, which is 100% porcellanite.

SMEAR SLIDE SUMMARY (%):

	2, 90 D	4, 50 M
TEXTURE:		
Silt	90	---
Clay	10	---
COMPOSITION:		
Carbonate	---	50
Foraminifers	1	10
Glass	1	---
Micrite	90	---
Nannofossils	5	---
Opal	---	30
Plagioclase	Tr	---
Quartz	Tr	---
Radiolarians	---	10

SITE 752 HOLE B CORE 7R CORED INTERVAL 316.1-325.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER PALEOCENE	P2 - 3 A/P	CP2 CP3 A/P	Barren		Reversed (V-2669) ● 9-33.6 ● 7-2.19 ● 64.4	V-2530 ● V-2600 ● ● 9-30.3 ● 7-2.18 ● 58.2 ● 9-30.2 ● 7-2.25 ● 89.4		1 2 3 4 5 6	0.5 1.0			* #	

LITHOLOGIC DESCRIPTION

CALCAREOUS CHALK

Core is undisturbed.

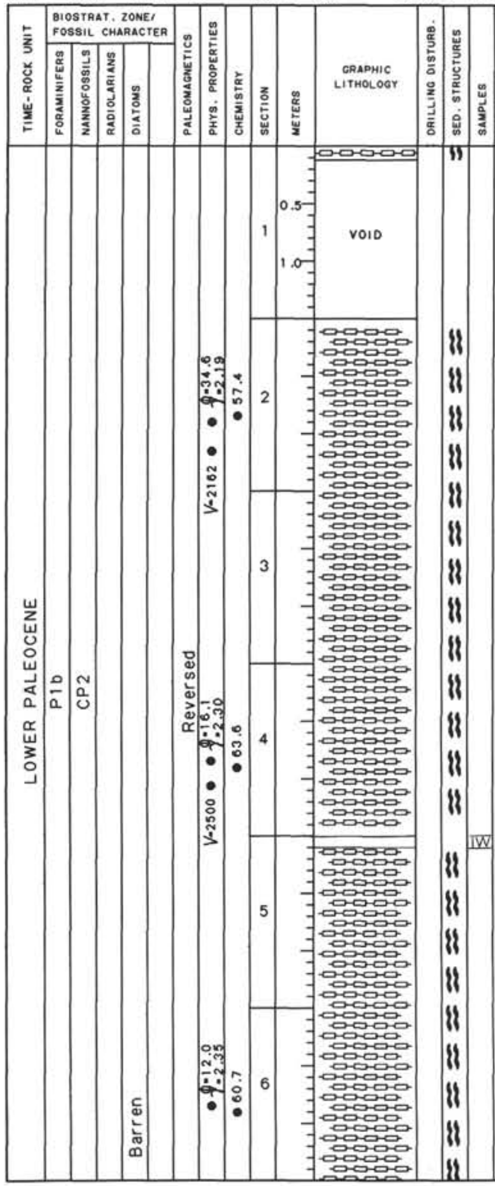
Major lithology: CALCAREOUS CHALK, light greenish gray(5GY 7/1) to greenish gray (5GY 6/1), moderately to heavily mottled and bioturbated. Dark layers and blebs (ash?) throughout the core. Occasional thin (0.5 to 3 mm) laminae, wavy to sub-horizontal. Microfaults in Sections 4, 80-90 cm and 6, 115-130 cm.

Minor lithology: Porcellanite, light blue gray (5B 7/1),in 14 cm intervals or less, in Sections 1-3 and 6.

SMEAR SLIDE SUMMARY (%):

	2, 55 M	2, 78 D
TEXTURE:		
Sand	---	2
Silt	---	78
Clay	---	20
COMPOSITION:		
Carbonate	60	---
Foraminifers	15	5
Glass	---	1
Micrite	---	87
Nannofossils	---	7
Opal	15	---
Quartz	---	Tr
Radiolarians	10	---

SITE 752 HOLE B CORE 8R CORED INTERVAL 325.8-335.4 mbsf



LITHOLOGIC DESCRIPTION

CALCAREOUS CHALK

Core is undisturbed.

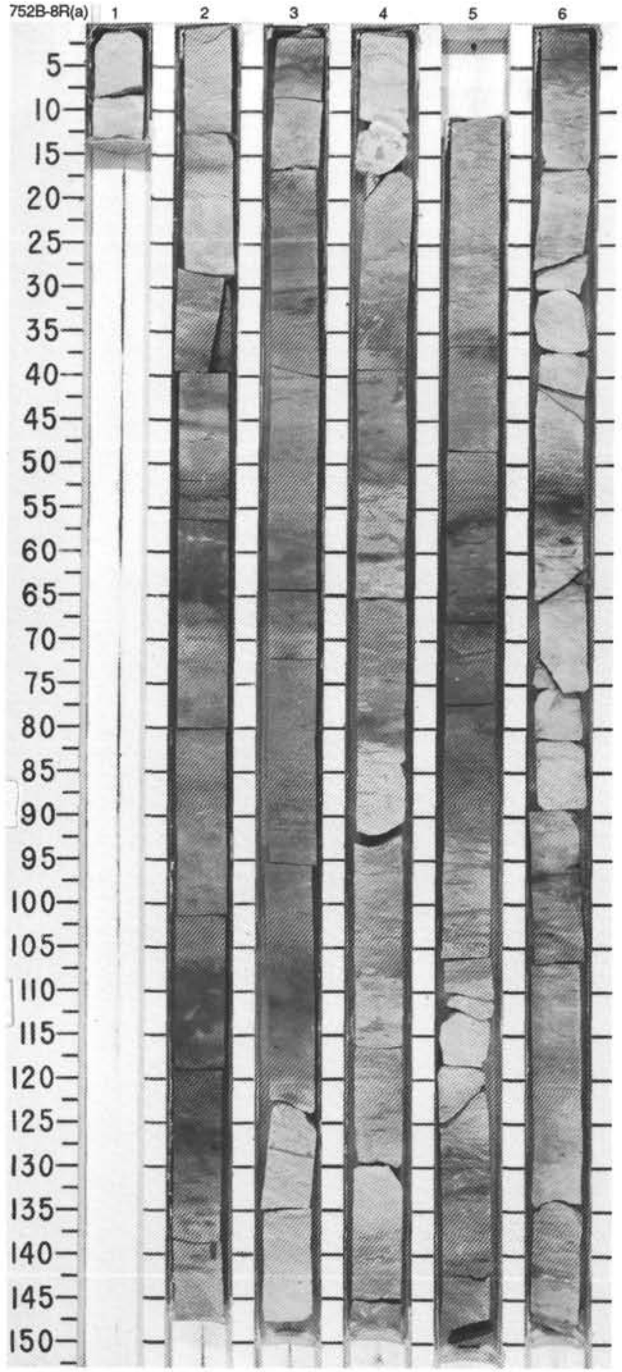
Major lithology: CALCAREOUS CHALK, greenish gray (5G 5/1,5G 6/1) to dark greenish gray (5G 4/1) in color with strong mottling. Color gradations begin lighter, and grade downwards to the darker shades. The basal contacts of these layers are fairly sharp, with only minor disturbance.The darkening of color is due to increasing ash content (up to 10%). The core is heavily bioturbated, with several visible burrows.

Minor lithology: Porcellanite, light greenish gray (5BG 7/1, 5 G 7/1) in color with small chert blebs of gray (5Y5/1) noted in Section 4, 10-20 cm.

SMEAR SLIDE SUMMARY (%):

	7, 55 M
TEXTURE:	
Silt	80
Clay	20
COMPOSITION:	
Accessory Minerals	Tr
Apatite	1
Foraminifers	15
Glass	60
Hornblende	Tr
Micrite	10
Nannofossils	10
Plagioclase	1
Quartz	1

Cont.

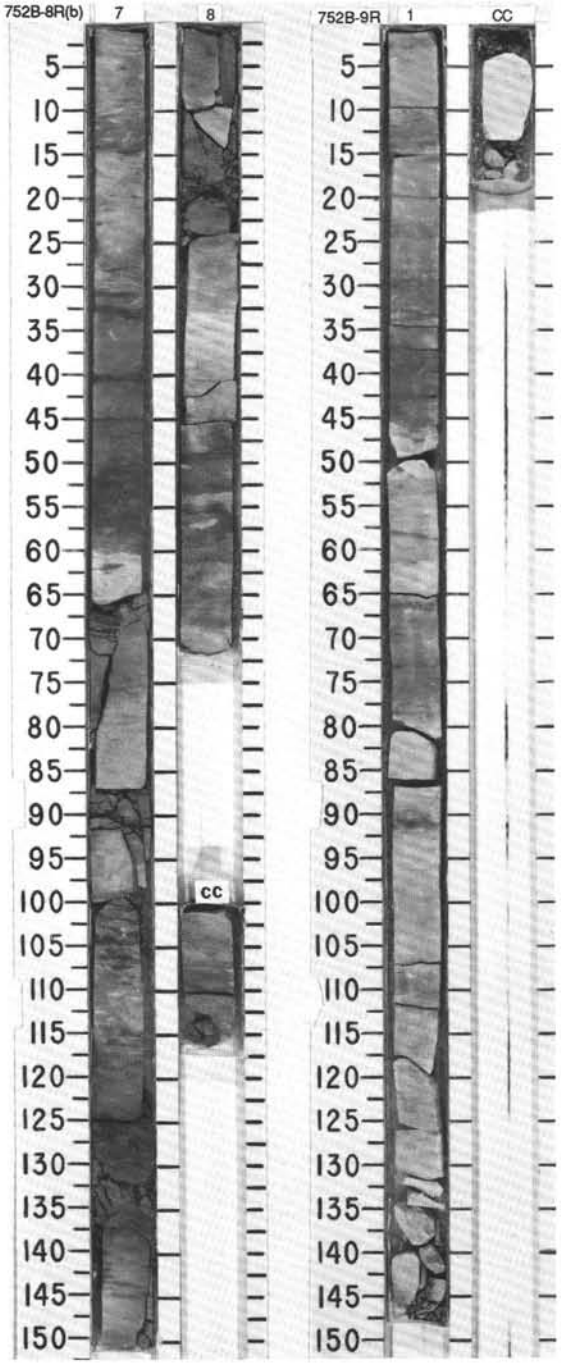


SITE 752 HOLE B CORE 8R CORED INTERVAL 325.8-335.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	A/P	CP2		Barren				7	0.5 1.0				*	Cont.
	A/M							8						
	Barren							CC						

SITE 752 HOLE B CORE 9R CORED INTERVAL 335.4-345.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER PALEOCENE	A/P				Reversed	V-2972 ● 9-27.2 ● 7-2.26 ● 69.7		1	0.5 1.0					CALCAREOUS CHALK The core is undisturbed. Major lithology: CALCAREOUS CHALK, greenish gray (5G 6/1)to dark greenish gray (5G 4/1) in color. The core is heavily bioturbated and mottles are smeared horizontally to give a streaky appearance. Minor lithology: Porcellanite, greenish gray (5G 6/1) and light greenish gray (5BG 7/1) in Sections 1 and 2 respectively. In Section 1 porcellanite occurs from 133-138 cm,and in all of Section 2. In Section 2 mottling is smeared horizontally and faint burrows are seen.
P1b	A/M	CP2						CC						
CP2														
Barren														



SITE 752 HOLE B CORE 10R CORED INTERVAL 345.1-354.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER PALEOCENE	A/P P1b A/M CP1a	CP1b	Barren		Reversed / Normal / R / Normal / Reversed	ρ=1.47.0 τ=2.07 V=2080 ρ=1.23.2 τ=2.37 V=2786 ρ=1.27.0 τ=2.27 V=2647	31.1 74.1 68.4	1 2 3 4 5 6 7 CC	0.5 1.0				# *

LITHOLOGIC DESCRIPTION

CALCAREOUS CHALK

The core is undisturbed.

Major lithology: CALCAREOUS CHALK, light greenish gray (5GY 7/1) and greenish gray (5GY 5/1) in color over Sections 1-5 and greenish gray (5G 4/2) over Sections 6-CC. Core is moderately bioturbated and mottled. Microfractures occur in several section.

Minor lithology: Porcellanite, light greenish gray (5BG 7/1), with gray (N6/1) chert blebs and minor mottling. This lithology occurs in Section 1 at 120-150 cm and in Section 2, 0-2 cm.

SMEAR SLIDE SUMMARY (%):

	6, 70 D	7, 25 D
TEXTURE:		
Silt	90	10
Clay	10	90
COMPOSITION:		
Clay	---	50
Feldspar	---	Tr
Glass	3	---
Micrite	90	50
Nannofossils	5	---
Quartz	Tr	---

SITE 752 HOLE B CORE 11R CORED INTERVAL 354.8-364.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MAESTRICHTIAN / LOWER PALEOCENE	A/M *A. mayaroensis*	A/M CC26 *N. frequens*	Barren	UPPER MAESTRICHTIAN	Reversed / Normal	• 9-42.2 • 7-1.99 • V-2039		1, 2, 3, 4	0.5, 1.0				# * #

LITHOLOGIC DESCRIPTION

VOLCANIC ASH WITH MICRITE

The core is undisturbed.

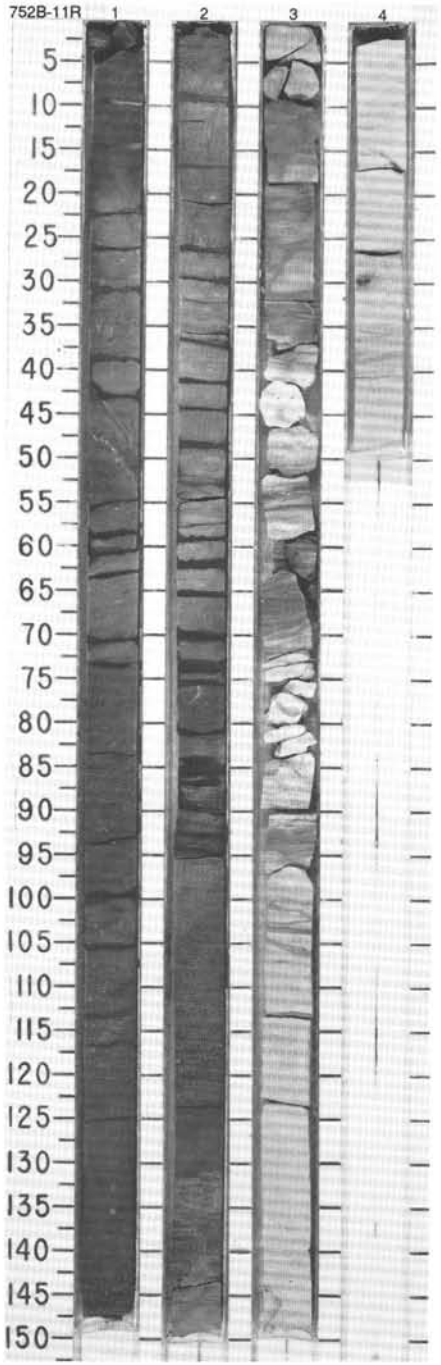
Major lithology: VOLCANIC ASH with MICRITE. Grayish green (5G 4/2) grading into a dark gray (5Y 4/1) color over Section 1 and 2. Slight to moderate bioturbation and mottling occurs.

Minor lithology: Calcareous chalk with ash. Alternating layers of dark gray (5Y 4/1) and light greenish gray (5Y 7/1) occur throughout Section 3,0-90 cm. Faint laminae occur in Section 3 between 15 and 24 cm. The chalk is mottled and bioturbated.

Minor lithology: Calcareous chalk. Light greenish gray (5Y 7/1), occurs from 98 cm in Section 3 to base of core. This section is mottled and bioturbated. A clay filled vug occurs at Section 4, 14 to 15 cm.

SMEAR SLIDE SUMMARY (%):

	1, 41 D	1, 70 D	2, 78 D	3, 61 D
TEXTURE:				
Sand	---	10	---	1
Silt	---	80	---	10
Clay	---	10	---	89
COMPOSITION:				
Accessory Minerals	---	---	2	---
Apatite	Tr	---	---	---
Bioclast	---	---	---	1
Clay	25	---	20	---
Cristobal	5	---	2	---
Feldspar	Tr	---	2	---
Foraminifers	Tr	---	2	---
Glass	20	75	15	49
Glauconite	1	---	---	---
Micrite	---	25	3	---
Opaques	1	Tr	---	---
Plagioclase	---	Tr	---	---
Pyroxene	Tr	---	1	---
Quartz	Tr	---	Tr	---
Rock Fragment	---	---	---	1
Zeolite	45	---	50	---



SITE 752 HOLE B CORE 12R CORED INTERVAL 364.4-374.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MAESTRICHTIAN	C/M *A. mayaorensis*	A/M CC25 - CC26	Barren		Normal	● 9-29.5 ▽-2.32 V-3218 ● 83.0 ● 9-36.2 ▽-2.17 V-2462 ● 53.7		1 2 3 4 5 6 CC	0.5 1.0				* *

LITHOLOGIC DESCRIPTION

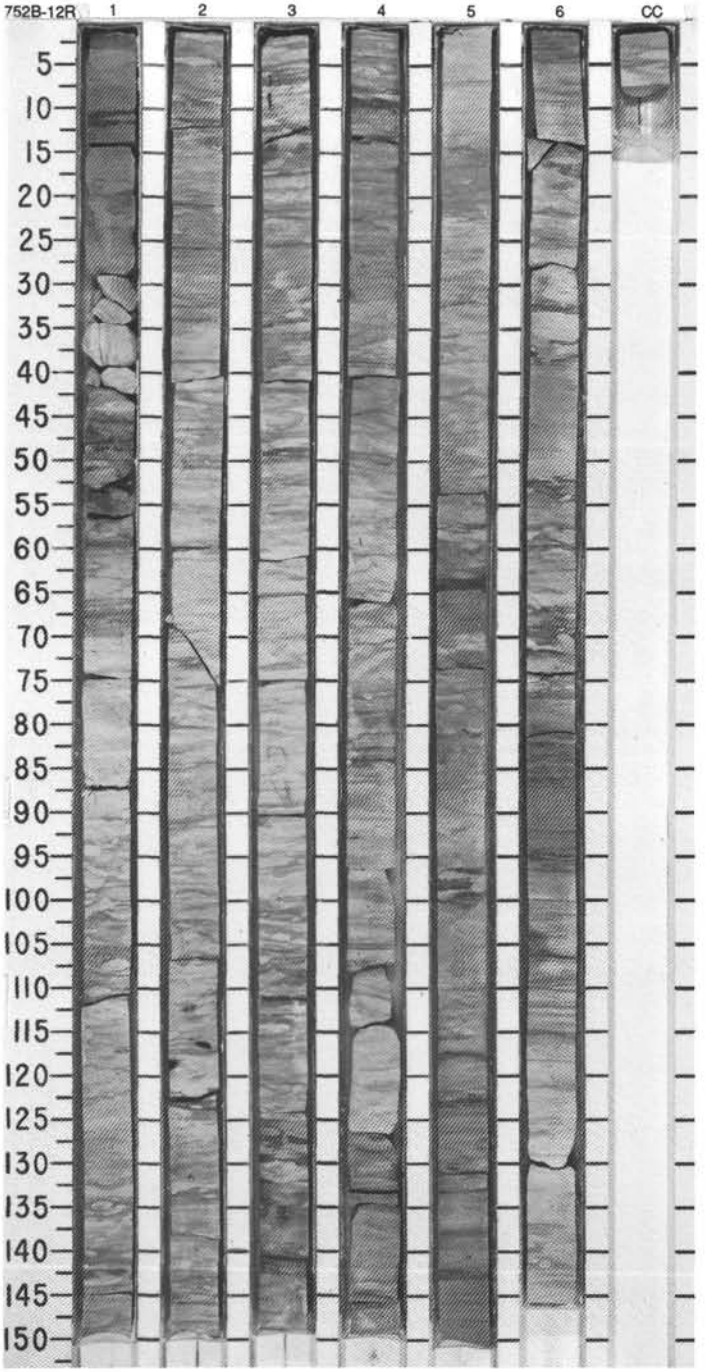
CALCAREOUS CHALK

The core is undisturbed.

Major lithology: CALCAREOUS CHALK. Light gray (5Y 5/1) alternating with dark gray (5Y 4/1) intervals with gradational contacts over Section 1 to 4. Alternating intervals of greenish gray (5GY 6/1, or 5GY 5/1) and light greenish gray (5GY 7/1) occur throughout Sections 5, 6 and CC. Moderate to strong mottling and bioturbation have obscured most laminae. Millimeter-scale, grayish green (5G 5/2) planar laminae are scattered throughout core. Cross-bedded laminae occur at Section 4, 26 to 30 cm and 143 to 144 cm.

SMEAR SLIDE SUMMARY (%):

	1, 70 D	6, 90 D
TEXTURE:		
Silt	90	85
Clay	10	15
COMPOSITION:		
Micrite	95	90
Nannofossils	3	4
Quartz	1	2



SITE 752 HOLE B CORE 13R CORED INTERVAL 374.0-383.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MAESTRICHTIAN	*A. mayaroensis*	CC25 -CC26		Barren	Normal	● Φ=25.3 ρ=2.35 V=3375 ● 85.4 ● Φ=27.0 ρ=2.34 V=2929 ● 68.1 ● Φ=43.3 ρ=2.09 V=2298 ● 47.7		1 2 3 4 5 6	0.5 1.0				* *

LITHOLOGIC DESCRIPTION

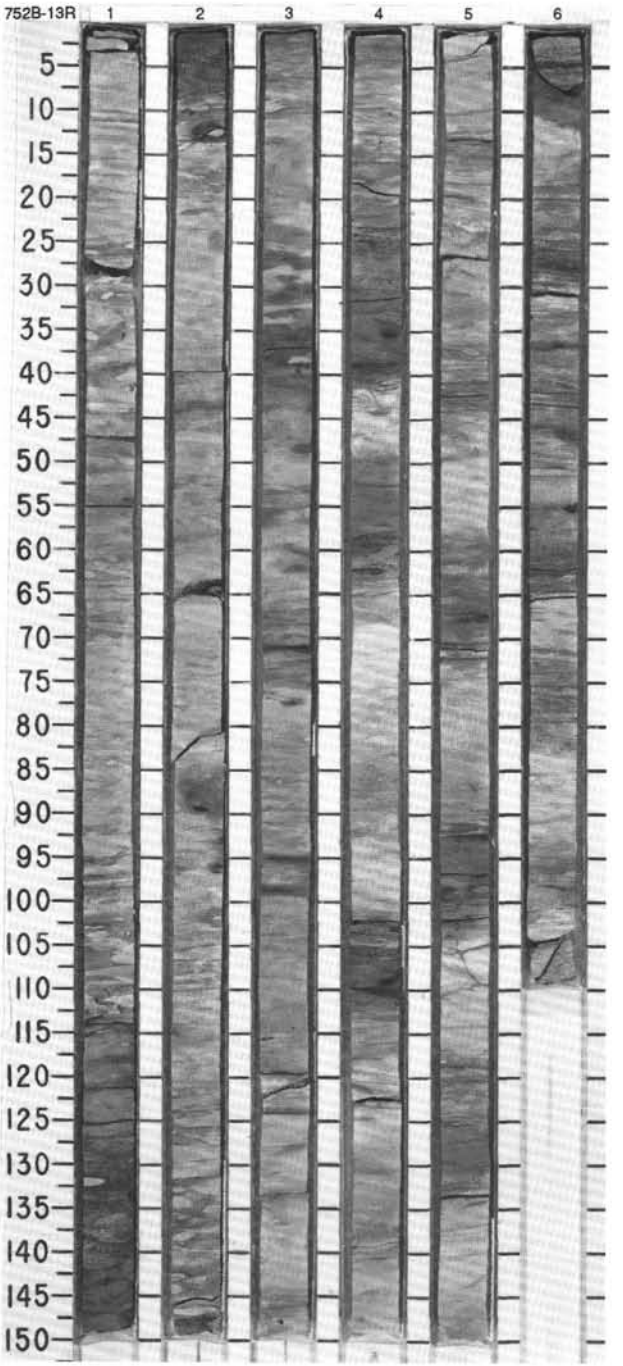
CALCAREOUS CHALK

The core is undisturbed.

Major lithology: CALCAREOUS CHALK. Light gray (5Y 7/1) alternating with greenish gray (5GY 7/1). Moderate to strong mottling and bioturbation have obscured most laminae but some grayish green (5G 5/2)millimeter-scale planar laminae are scattered throughout core. The darker intervals have ash concentrations up to 5%.

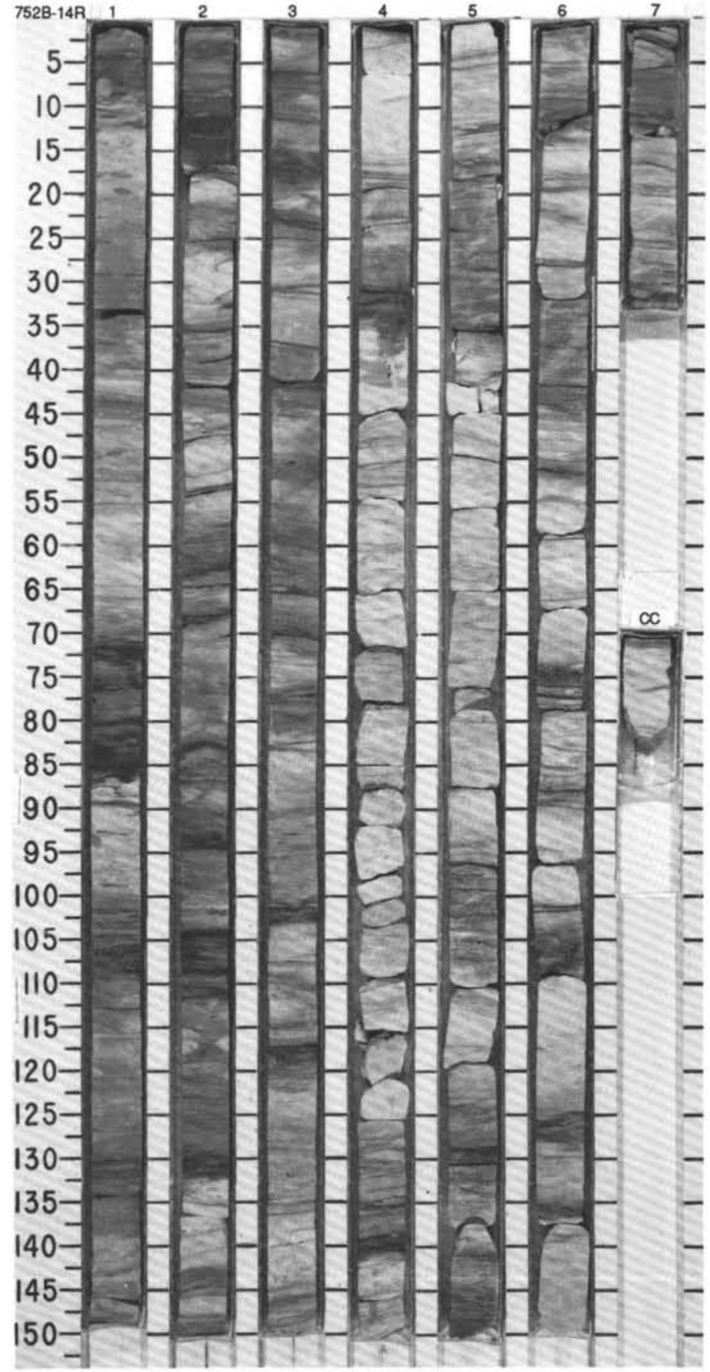
SMEAR SLIDE SUMMARY (%):

	1, 120 D	5, 80 D
TEXTURE:		
Sand	3	---
Silt	87	90
Clay	10	10
COMPOSITION:		
Apatite	Tr	---
Glass	4	Tr
Micrite	85	90
Nannofossils	5	5
Quartz	3	---
Spicules	---	Tr



SITE 752 HOLE B CORE 14R CORED INTERVAL 383.6-393.3 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER MAESTRICHTIAN	*A. mayaroensis* C/M	CC25 - CC26 A/M	Barren		(V-2847) Normal; Reversed; Normal; Reversed	φ=25.3 γ=2.32; φ=26.7 γ=2.28 V=3188; φ=30.1 γ=2.27 V=3353	88.2; 87.6; 90.9	1, 2, 3, 4, 5, 6, 7, CC	0.5, 1.0					CALCAREOUS CHALK The core is undisturbed. Major lithology: CALCAREOUS CHALK. Alternating intervals of greenish gray (5GY 5/1), and gray (5Y 6/1) in a matrix of light gray (5Y 7/1) and light greenish gray (5GY 7/1) and light greenish gray (5GY 7/1). Planar and cross-bedded, greenish gray (5G 6/1), and dark bluish gray (5B 4/1),laminae occur throughout core. Slight to moderate bioturbation and mottling occur in non-laminated intervals. Pyrite infills some burrows. Black blebs of pumice occur at Section 5, 90 t 95 cm.



SITE 752 HOLE B CORE 15R CORED INTERVAL 393.3-403.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MAESTRICHTIAN	*A. mayaroensis*	CC25 - CC26		Barren	Reserved / Normal	ρ-26.8 ρ-23.5 V-2683 V-2935 ρ-2.28 ρ-2.24 84.1 95.1		1 2 3 4 5 6	0.5 1.0				

LITHOLOGIC DESCRIPTION

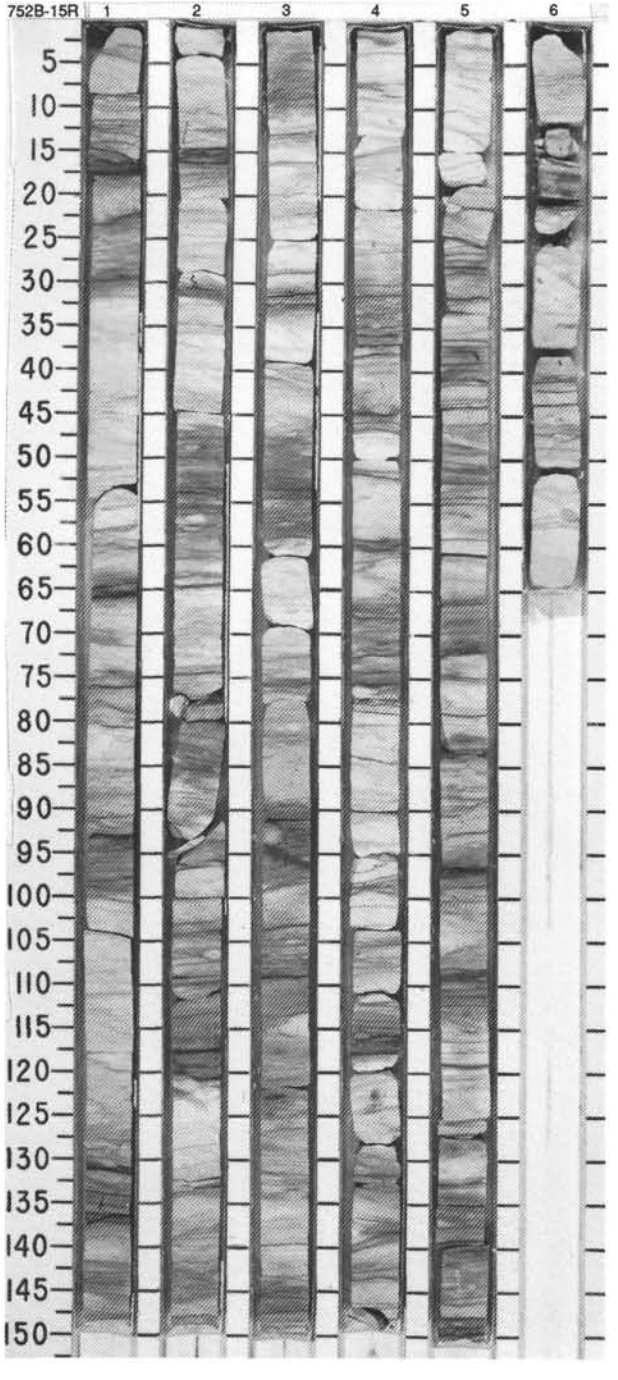
CALCAREOUS CHALK

Core is undisturbed.

Major lithology: CALCAREOUS CHALK, light greenish gray (5GY 7/1) with darker, greenish gray (5GY 5/1) interbeds. Green horizontal and slightly wavy laminations characterize most of the core. Laminations show rare cross-bedding and sharp, scoured basal contacts. A few small microfaults occur. Mottles and larger burrows occur throughout, burrow fill is often grayer than the host rock. A pyrite bleb occurs in Section 4, 102 cm, and a 1.5 mm shell fragment with a five-pointed star shape occurs in Section 3,61 cm.

SMEAR SLIDE SUMMARY (%):

	3, 95 D
TEXTURE:	
Sand	1
Silt	84
Clay	15
COMPOSITION:	
Foraminifers	5
Glass	Tr
Micrite	90
Nannofossils	Tr
Opaques	Tr
Quartz	Tr



SITE 752 HOLE B CORE 16R CORED INTERVAL 403-412.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MAESTRICHTIAN	C/P *A. mayaroensis*	A/M CC25 - CC26		Barren	Reversed	V=2858 ●● 9-23.1 7-2.41	● 93.2	1 2 3 CC	0.5 1.0		mm		*

LITHOLOGIC DESCRIPTION

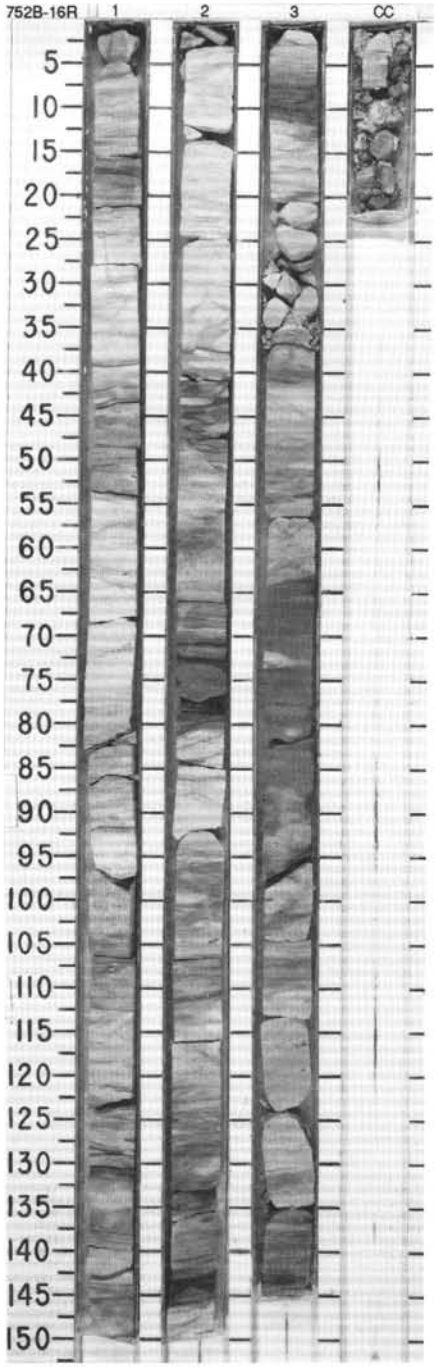
CALCAREOUS CHALK

Core is undisturbed.

Major lithology: CALCAREOUS CHALK, light greenish gray (5GY 7/1) with darker, greenish gray (5GY 5/1) interbeds. Green horizontal and slightly wavy laminations characterize most of the core; laminations show rare cross-bedding and sharp, scoured basal contacts. A few small microfaults occur. Mottled and larger burrows occur throughout, burrow fill is often grayer than the host rock. A pyrite bleb and a shell fragment occur in Section 1, at 63 and 62 cm respectively.

SMEAR SLIDE SUMMARY (%):

	2, 90 D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Accessory Minerals	Tr
Foraminifers	5
Glass	Tr
Micrite	85
Nannofossils	7
Quartz	Tr



SITE 752 HOLE B CORE 17R CORED INTERVAL 412.6-422.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MAESTRICHTIAN	*A. mayaroensis*	CC25 - CC26		Barren	Reversed	V-3151 ● ρ=28.9 ● V=2975 ρ=30.3 ● V=2.28 ● 83.2 ● 86.9		1 2 3 4 5 CC	0.5 1.0		mm	P P	* # #

LITHOLOGIC DESCRIPTION

CALCAREOUS CHALK

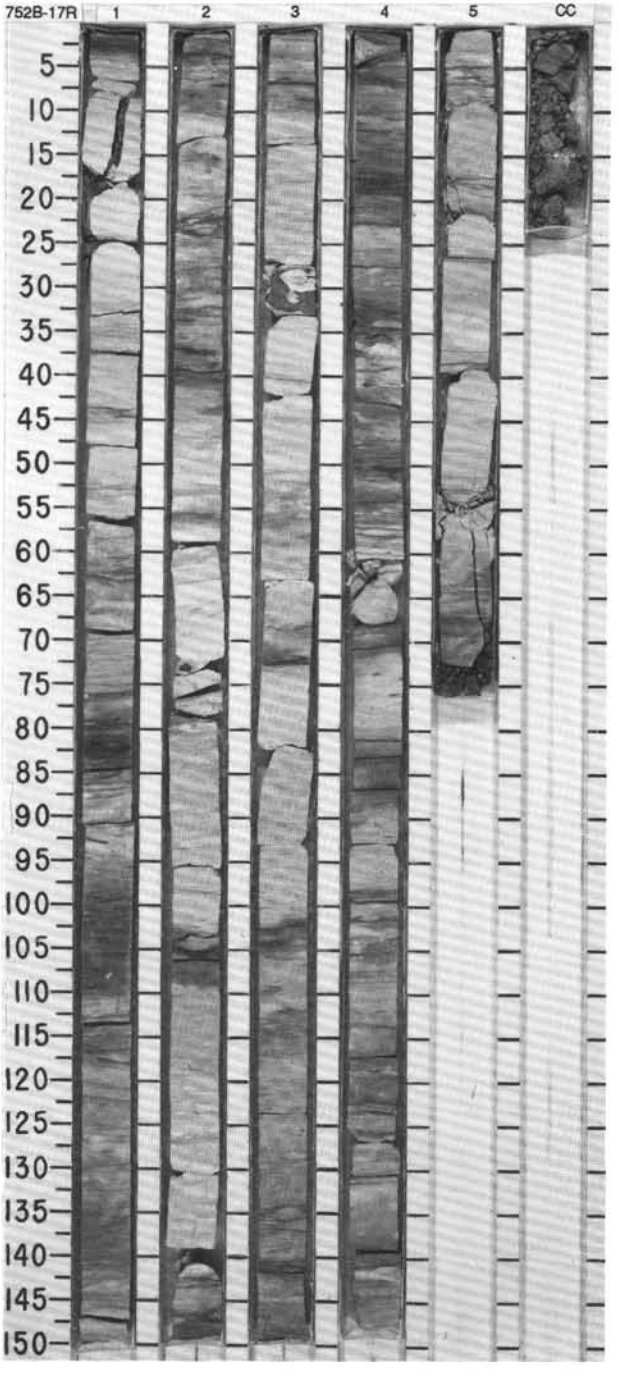
Core is undisturbed.

Major lithology: CALCAREOUS CHALK, light greenish gray (5GY 7/1) with darker, greenish gray (5GY 5/1) interbeds. Green horizontal and slightly wavy laminations characterize most of the core. Laminations show rare cross-bedding and sharp, scoured basal contacts. A few small microfaults occur. Mottles and larger burrows occur throughout, burrow fill is often grayer than the host rock. Pyrite occurs in small cavities throughout Section 1, and in blebs in Section 3, at 3 and 29 cm. Chert fragments occur in Sections 1, 17-18 cm, 2, 72-74 cm, and 3, 26-32 cm. Porcellanite occurs in Section 2, 74-76 cm.

SMEAR SLIDE SUMMARY (%):

	2, 90 D	3, 30 M	5, 71 M
TEXTURE:			
Sand	3	---	---
Silt	93	---	---
Clay	4	---	---
COMPOSITION:			
Bioclast	---	---	10
Calcite	---	15	---
Carbonate	---	25	---
Foraminiters	Tr	15	30
Glass	5	---	Tr
Micrite	95	---	60
Nannofossils	Tr	---	---
Opal	30	---	
Quartz	---	15	---

752B-18R No Recovery



SITE 752 HOLE B CORE 19R CORED INTERVAL 431.6-435.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER MAESTRICHTIAN	C/P *G. gansseri*	A/M CC24		Barren	Reversed	V-3422 ● ● 27.0 ● 72.34 ● 81.6		1	0.5					CALCAREOUS CHALK Core is undisturbed. Major lithology: CALCAREOUS CHALK, light greenish gray (5GY 7/1) with darker, greenish gray (5GY 5/1) interbeds. Green horizontal and slightly wavy laminations characterize most of the core. Laminations show rare cross-bedding and sharp, scoured basal contacts. Mottles and larger burrows occur throughout. Burrow fill is often grayer than the host rock. Chert occurs in Section 2, 46-49 cm.
									1.0					
								2						
								3						
								CC