SITE 806 HOLE A CORE 1H CORED INTERVAL 0.0-7.7 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
PLEISTOCENE	NN22 - N23	NN20 - NN21						1	0.5					This core was not opened on ship.
									1.0					
								2						
	A/G	A/G						CC						

SITE 806 HOLE A CORE 2H CORED INTERVAL 7.7-17.2 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
PLEISTOCENE	N22	NN19						1	0.5					This core was not opened on ship.
									1.0					
	A/G	A/G						CC						

SITE 806 HOLE A CORE 3H CORED INTERVAL 17.2-26.7 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
PLEISTOCENE	N22	NN19						1	0.5					This core was not opened on ship.
									1.0					
	A/G	A/G						CC						

SITE 806 HOLE A CORE 4H CORED INTERVAL 26.7-36.2 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
PLEISTOCENE	N21?	NN19						1	0.5 1.0					This core was not opened on ship.
	A/G	A/M						CC						

SITE 806 HOLE A CORE 5H CORED INTERVAL 36.2-45.7 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
UPPER PLIOCENE	N21	NN18						1	0.5 1.0					This core was not opened on ship.
	A/G	A						2 CC						

SITE 806 HOLE A CORE 6H CORED INTERVAL 45.7-55.2 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 PLIOCENE	N21	NN17						1	0.5 1.0					This core was not opened on ship.
	A/G	A						CC						

SITE 806 HOLE A CORE 7H CORED INTERVAL 55.2-64.7 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
UPPER PLIOCENE	N19 - N20	NN16						1	0.5 1.0					This core was not opened on ship.
	A/P	A/M						2						

SITE 806 HOLE A CORE 8H CORED INTERVAL 64.7-74.2 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 PLIOCENE	N19 - N20	NN16						1	0.5 1.0					This core was not opened on ship.
	A/P	A/M						CC						

SITE 806 HOLE A CORE 9H CORED INTERVAL 74.2-83.7 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
UPPER PLIOCENE	N19 - N20	NN16						1	0.5 1.0					This core was not opened on ship.
	A/G	A/G						CC						

SITE 806 HOLE B CORE 1H CORED INTERVAL 0.0-6.5 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
PLEISTOCENE	A/P	A/G	A/G	F-C/M-G		V=1555 ρ=69.9 P=1.52 V=1588 ρ=71.7 P=1.50 V=1580 ρ=71.8 P=1.50	●%CaCO3=85.0 ●%CaCO3=84.3 ●%CaCO3=83.5 ●%CaCO3=86.7	1 2 3 4 5 CC	0.5 1.0				OG TW

NTD 17 *Pseudoeunotia doliolus*

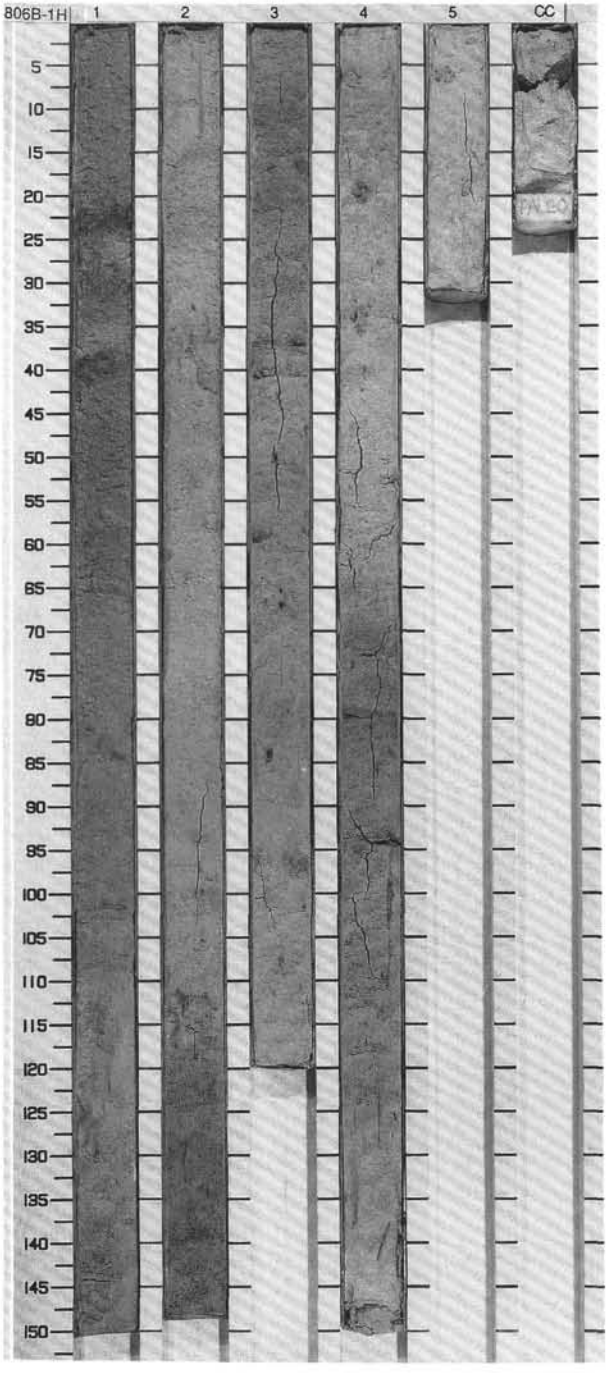
Collosphaera tuberosa

LITHOLOGIC DESCRIPTION

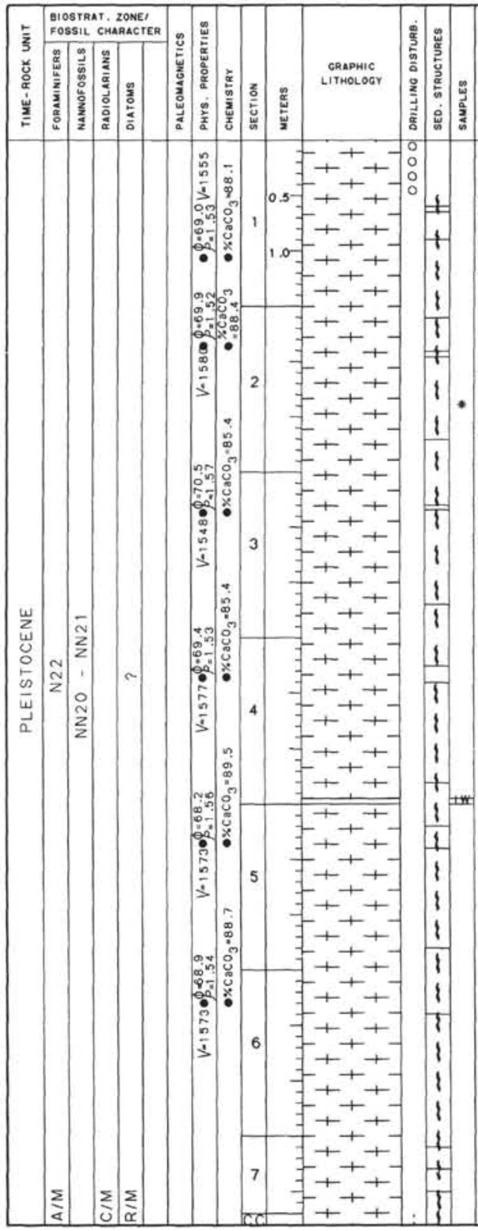
FORAMINIFER NANNOFOSSIL OOZE and NANNOFOSSIL OOZE with FORAMINIFERS. Major lithology: This core contains FORAMINIFER NANNOFOSSIL OOZE which grades into NANNOFOSSIL OOZE with FORAMINIFERS in Section 4 at 122 cm. Section 1 grades from very pale brown (10YR 7/3) into light gray (10YR 7/2 to 5Y 7/1). Below Section 1, 108 cm, the dominant color is light gray (5Y 7/1) with short intervals of light gray (10YR 7/1) and gray (2.5Y 6/0). Section 5 and Core Catcher are predominantly white (2.5Y 8/0). The sediments are moderately bioturbated with common grayish blue 5/2) and light olive gray (5Y 6/2) mottling. Faint greenish gray (10GY 5/2 and 5G 6/1) and grayish blue (5PB 5/2) color bands are sporadically present in Sections 2 through 4.

SMEAR SLIDE SUMMARY (%):

	3, 62 D	5, 20 D
TEXTURE:		
Sand	40	30
Silt	60	70
COMPOSITION:		
Foraminifers	40	23
Nannofossils	55	72
Radiolarians	5	5



SITE 806 HOLE B CORE 2H CORED INTERVAL 6.5-16.0 mbsf



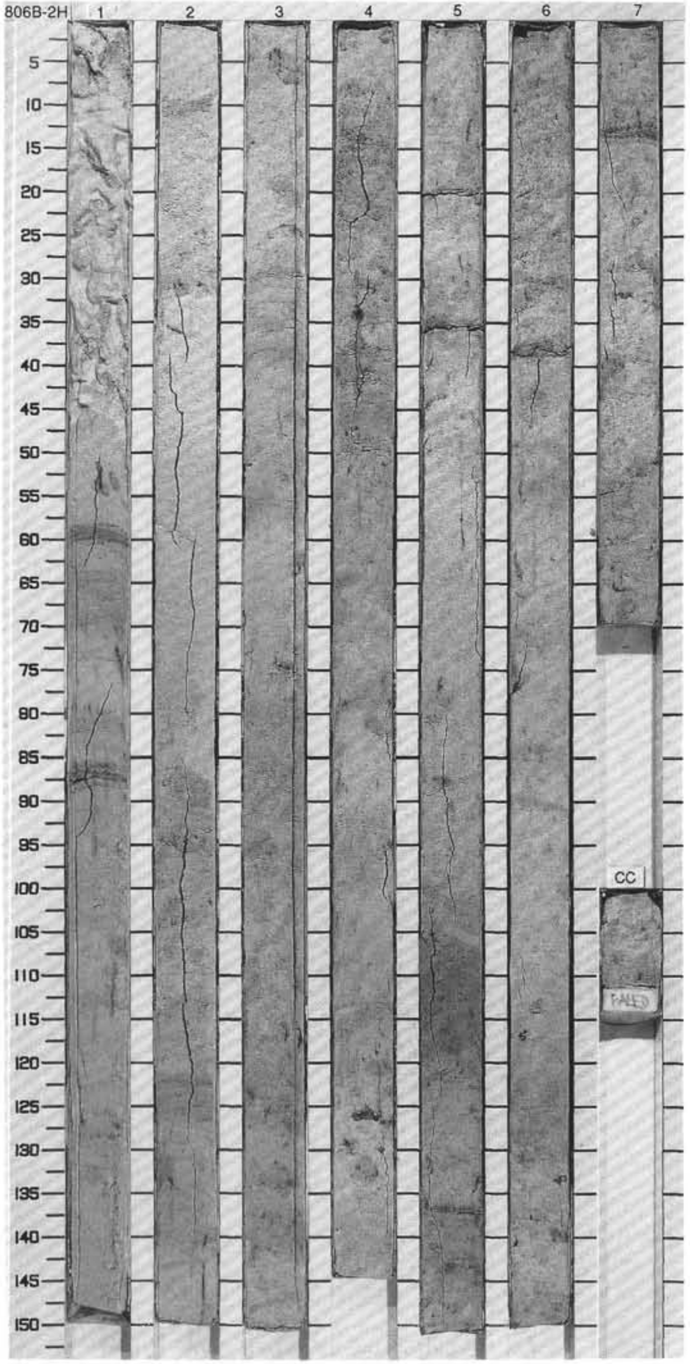
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE

Major lithology: The core contains FORAMINIFER NANNOFOSSIL OOZE. The dominant color alternates in 10 to 30 cm thick intervals between light gray (5Y 7/1), 10YR 7/1 to 10Y 7/1) and white (2.5Y 8/0) The white and lightest gray intervals are less sandy and contain fewer foraminifers than the darker ones, which are more heavily mottled. The sediments are moderately bioturbated with common, grayish blue (5PB 5/2) and light olive gray (5Y 6/2) mottling. Faint and sharp, greenish gray (5G 6/1) and grayish blue (5PB 5/2) color bands also are common.

SMEAR SLIDE SUMMARY (%):

	2, 89 D
TEXTURE:	
Sand	25
Silt	71
Clay	4
COMPOSITION:	
Foraminifers	30
Nannofossils	68
Radiolarians	1
Silicoflagellates	1



SITE 806 HOLE B CORE 3H CORED INTERVAL 16.0-25.5 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER
- FORAMINIFERS: A/G; N22
- NANNOFOSSILS: A/G; NN19
- RADIOLARIANS: A/G; *Anthocyrtidium angulare*
- DIATOMS: C/M; NTD 16b *Nitzschia reinholdii*

PALEOMAGNETICS
PHYS. PROPERTIES
CHEMISTRY
SECTION
METERS
GRAPHIC LITHOLOGY
DRILLING DISTURB.
SED. STRUCTURES
SAMPLES

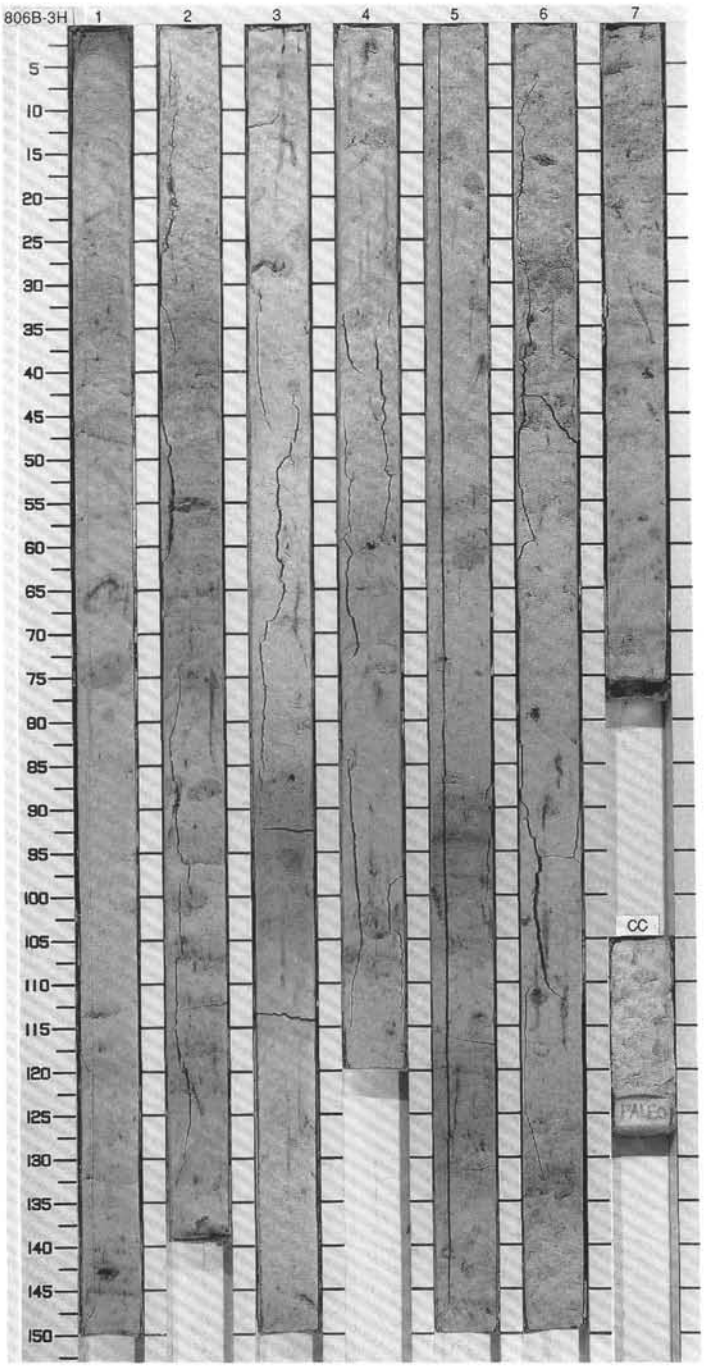
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE AND NANNOFOSSIL OOZE with FORAMINIFERS\

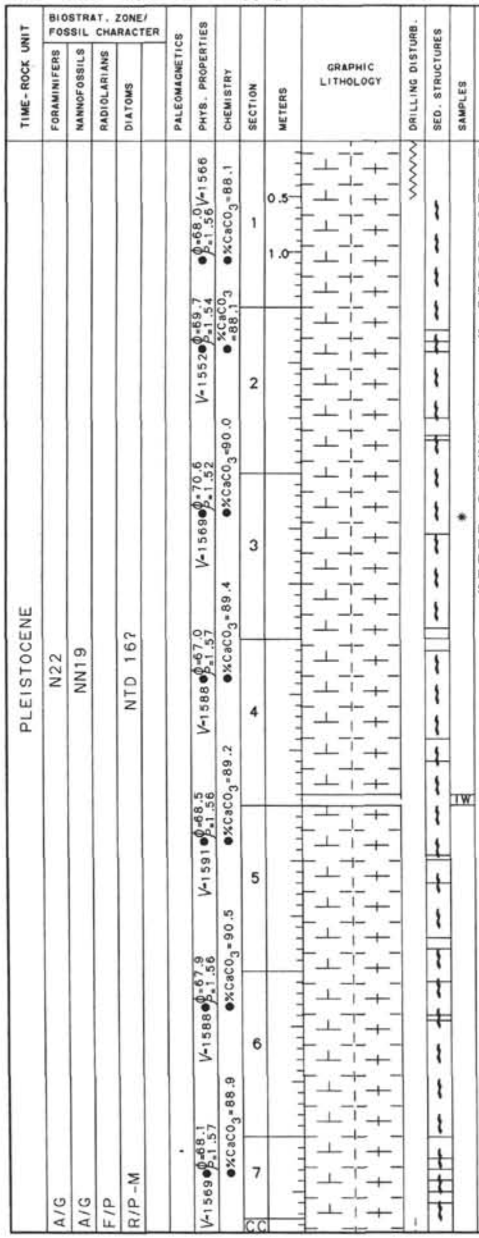
Major lithology: This core contains 10 to 70 cm thick gradational interbeds of FORAMINIFER NANNOFOSSIL OOZE and NANNOFOSSIL OOZE with FORAMINIFERS. The primary colors are white (2.5Y 8/0) for the nannofossil ooze with foraminifers and light gray (5Y 7/1) for the foraminifer nannofossil ooze. The entire core is slightly to moderately bioturbated, with light gray (5Y 7/1), light olive gray (5Y 6/2), and grayish blue (5PB 5/2) mottling. Light greenish gray (5G 7/1) and grayish blue (5PB 5/2) color bands are common.

SMEAR SLIDE SUMMARY (%):

	5, 64 D
TEXTURE:	
Sand	3
Silt	90
Clay	7
COMPOSITION:	
Foraminifers	15
Nannofossils	85
Radiolarians	Tr
Silicoflagellates	Tr



SITE 806 HOLE B CORE 4H CORED INTERVAL 25.5-35.0 mbsf



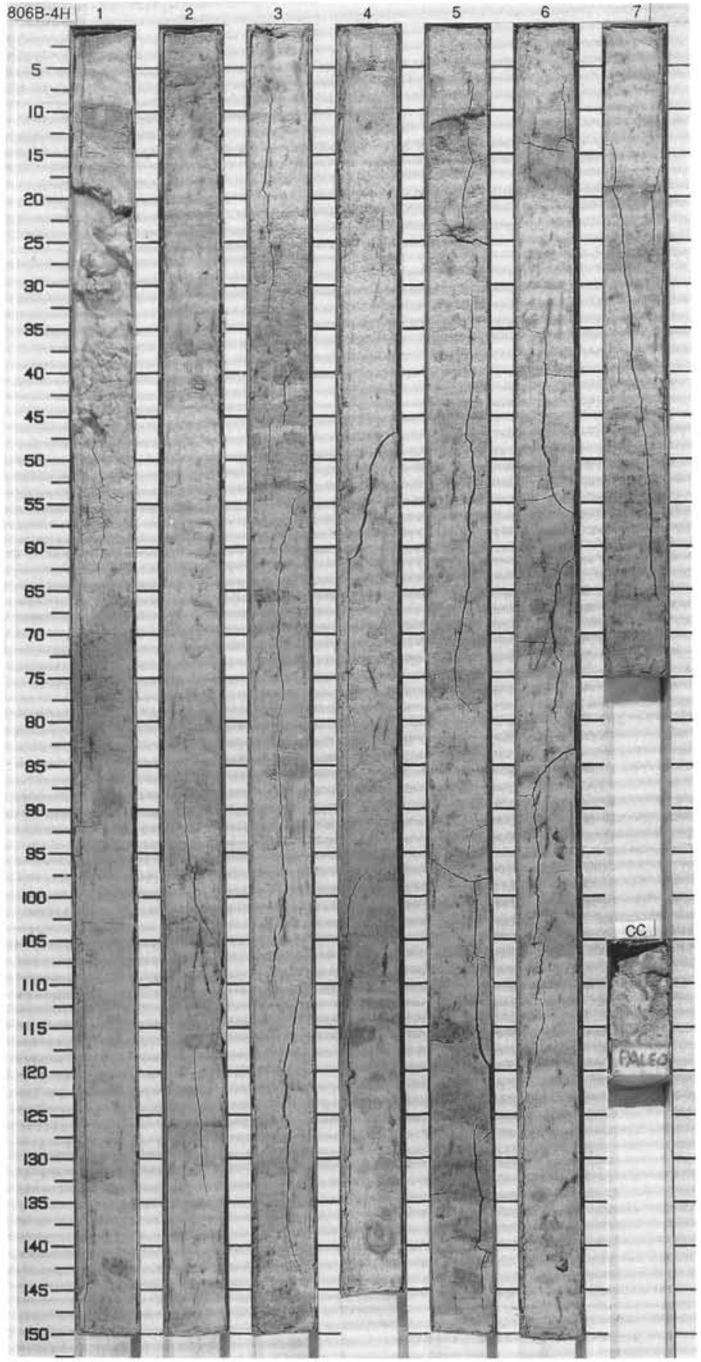
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE AND NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains 20 to 70 cm thick, gradational interbeds of FORAMINIFER NANNOFOSSIL OOZE and NANNOFOSSIL OOZE with FORAMINIFERS. The dominant colors are white (2.5Y 8/0 to 5Y 8/1) for the nannofossil ooze with foraminifers and light gray (5Y 7/1 - 5Y 7/2) for the foraminifer nannofossil ooze. Burrow fills of one sediment type are often mixed into the other. The sediment is moderately bioturbated throughout with light gray (5Y 7/1), grayish purple (5PB 5/2) and grayish blue (5PB 5/2) mottling. Several grayish purple (5PB 5/2) burrow "halos" are seen. Greenish gray (5G 6/1), light greenish gray (5G 7/1) grayish blue (5PB 5/2), grayish purple (5PB 5/2), and light gray (N7/) color bands are common.

SMEAR SLIDE SUMMARY (%):

	3, 39 D
TEXTURE:	
Sand	20
Silt	78
Clay	2
COMPOSITION:	
Diatoms	1
Foraminifers	28
Nannofossils	69
Radiolarians	1
Spicules	1



SITE 806 HOLE B CORE 5H CORED INTERVAL 35.0-44.5 mbsf

TIME-ROCK UNIT: UPPERMOST PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: A/G — N22
- NANNOFOSSILS: A/G — NN18
- RADIOLARIANS: A/G — *Pterocanium prismatium*
- DIATOMS: A/G-M *(Nitzschia reinholdii)* NTD 16a - NTD 15c *(Rhizosolenia praebergonii)*

PALEOMAGNETICS: V-1559

PHYS. PROPERTIES: V-1548 Φ=68.9 ρb 1.53; V-1580 Φ=69.2 ρb 1.54; V-1595 Φ=67.6 ρb 1.56; V-1584 Φ=67.7 ρb 1.57; V-1580 Φ=68.0 ρb 1.55; V-1569 Φ=66.0 ρb 1.59; Φ=67.2 ρb 1.58

CHEMISTRY: %$CaCO_3$=83.9; %$CaCO_3$=90.5; %$CaCO_3$=; %$CaCO_3$=90.1; %$CaCO_3$=89.0; %$CaCO_3$=90.3; %$CaCO_3$=89.8

SECTION: 1 2 3 4 5 6 7 CC

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES: *

SAMPLES: TW

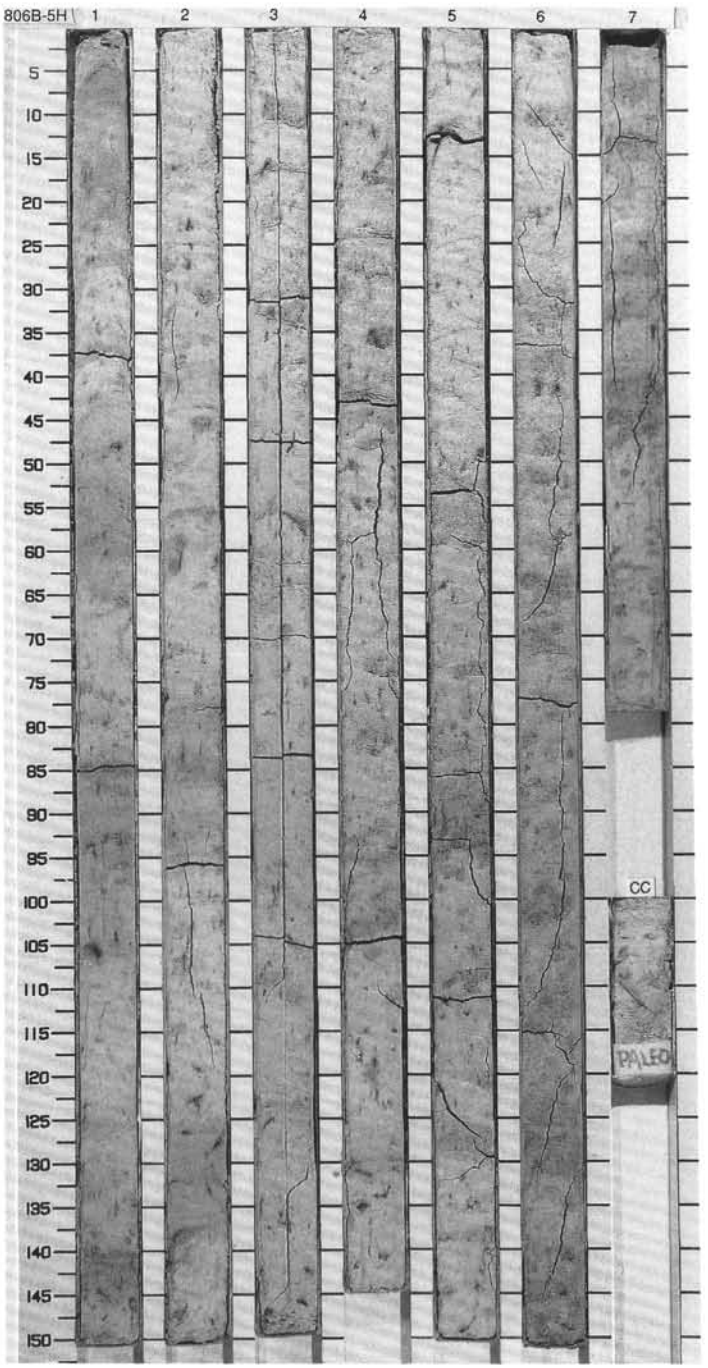
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE to NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains FORAMINIFER NANNOFOSSIL OOZE, grading to NANNOFOSSIL OOZE with FORAMINIFERS. The dominant sediment colors range from white (5Y 8/1) to light gray (5Y 7/1 and 5Y 7/2), with light gray (5Y 7/1), grayish purple (5P 4/2), and grayish blue (5PB 5/2) mottling. Bioturbation is moderate throughout the core. Light greenish gray (5G 7/1) and light gray (N7/) color bands are common throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 100
	D
TEXTURE:	
Sand	25
Silt	70
Clay	5
COMPOSITION:	
Diatoms	1
Foraminifers	33
Nannofossils	65
Radiolarians	1
Spicules	Tr



SITE 806 HOLE B CORE 6H CORED INTERVAL 44.5-54.0 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 PLIOCENE	A/M	N21	A/G	*Spongaster pentas*	A/G	NTD 15b	A/G						

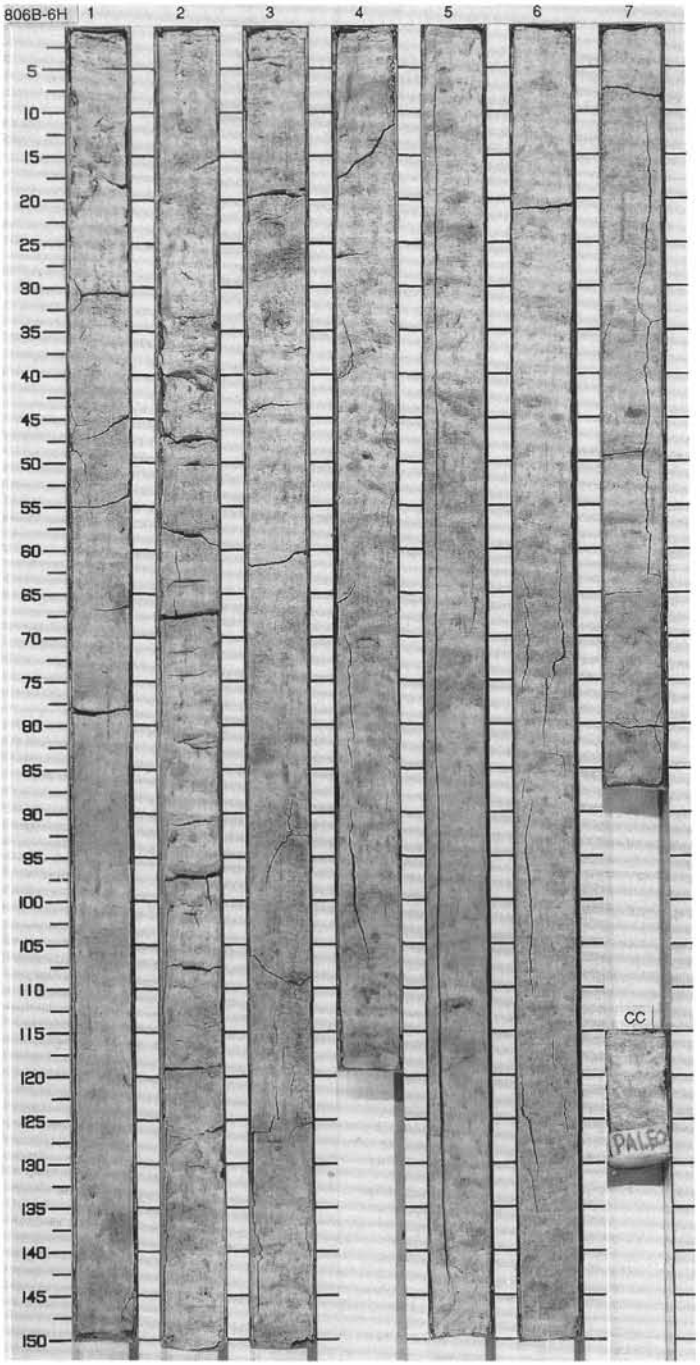
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (5Y 8/1), light gray (5Y 7/1), and light greenish gray (5G 7/1) NANNOFOSSIL OOZE with FORAMINIFERS, which is heavily bioturbated and mottled. Diffuse greenish gray (5G 6/1) and light gray (N7/) color bands are present to abundant throughout this core.

SMEAR SLIDE SUMMARY (%):

	3, 60 D
TEXTURE:	
Sand	10
Silt	85
Clay	5
COMPOSITION:	
Diatoms	Tr
Foraminifers	20
Nannofossils	78
Radiolarians	1
Silicoflagellates	1
Spicules	Tr



SITE 806 HOLE B CORE 7H CORED INTERVAL 54.0-63.5 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 PLIOCENE	A/G N21	A/G NN16	A/G *Spongaster pentas*	A-C/M NTD 15b		V=1559 ρ=66.2 p=1.60 V=1580 ρ=65.8 p=1.59 V=1566 ρ=66.5 p=1.58 V=1559 ρ=66.4 p=1.58 V=1534 ρ=64.6 p=1.62 V=1562 ρ=68.0 p=1.55 V=1591 ρ=70.3 p=1.52	●%$CaCO_3$=90.5 ●%$CaCO_3$=92.2 ●%$CaCO_3$=90.9 ●%$CaCO_3$=90.9 ●%$CaCO_3$=89.8 ●%$CaCO_3$=89.7 ●%$CaCO_3$=89.1	1 2 3 4 5 6 7 CC	0.5 1.0		OOO	≈	*

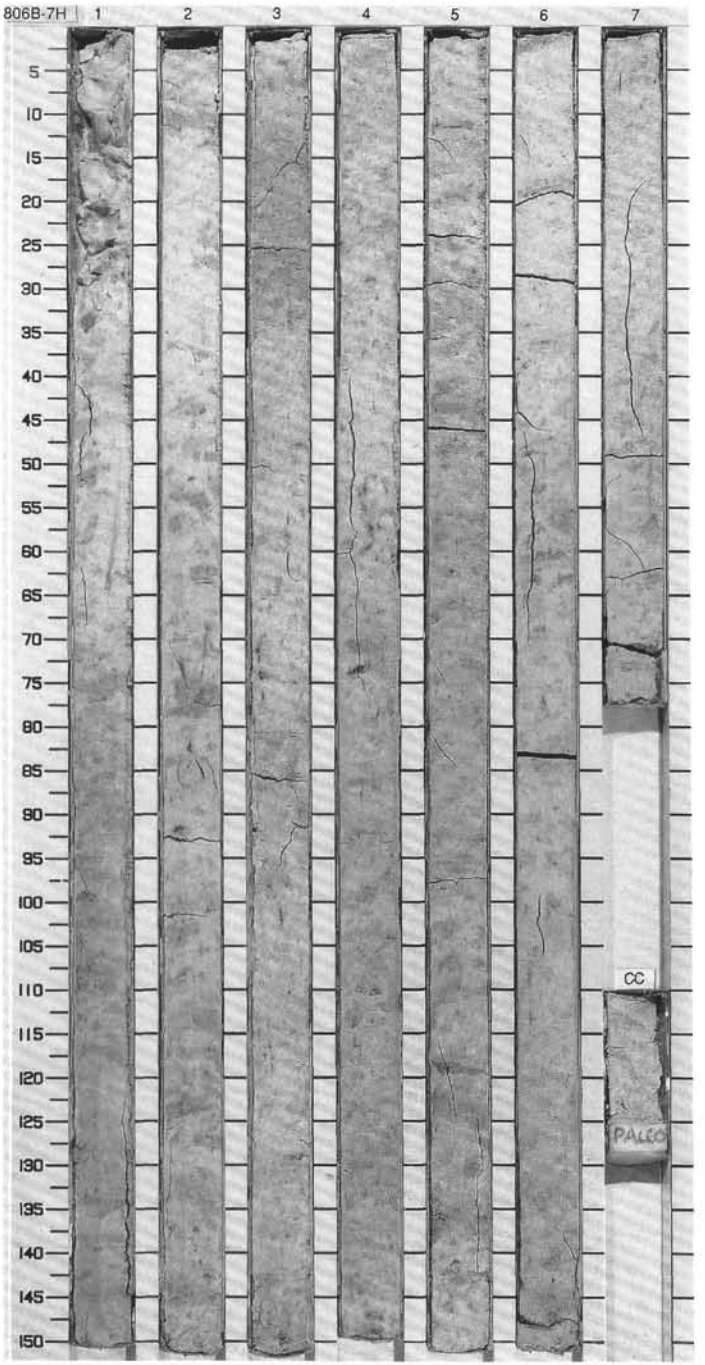
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (5Y 8/1) to light gray (5Y 7/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. It is heavily bioturbated, evident from abundant mottles (light gray, 5Y 7/2) and pyrite-filled burrows. Occasional to common, diffuse, cm scale, pale yellowish green (10GY 7/2), greenish gray (5G 6/1), and pale purple (5P 6/2) color bands are present. A slight odor of H_2S was noticed when the core was split.

SMEAR SLIDE SUMMARY (%):

	4, 74 D
TEXTURE:	
Sand	12
Silt	60
Clay	28
COMPOSITION:	
Diatoms	Tr
Foraminifers	30
Nannofossils	68
Radiolarians	Tr
Siliceous fragments	2
Spicules	Tr



SITE 806 HOLE B CORE 8H CORED INTERVAL 63.5-73.0 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 PLIOCENE	A/G	N21	A/G	NN16	A/G	*Spongaster pentas*	C/M	NTD 15									

LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (5Y 8/1) to light gray (5Y 7/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. It is heavily bioturbated, evident from abundant light gray (5Y 7/2) mottles, pyritization of burrows, and large pale purple (5P 6/2) color "halos". Horizontal, diffuse, 2 to 3 cm thick, pale yellowish green 10GY 7/2) color bands, spaced about 10-20 cm apart, are noted. Pale purple (5P 6/2) to reddish gray (5R 6/1) color bands, about 0.5 cm wide, are also common. These bands are often inclined.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	50
Clay	40
COMPOSITION:	
Diatoms	1
Foraminifers	30
Nannofossils	66
Radiolarians	Tr
Siliceous fragments	3

SITE 806 HOLE B CORE 9H CORED INTERVAL 73.0-82.5 mbsf

TIME-ROCK UNIT: UPPER PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: N19 - N20, A/G
- NANNOFOSSILS: NN16, A/G
- RADIOLARIANS: *Spongaster pentas*, A/G
- DIATOMS: NTD 15 - NTD 14 (*Nitzschia jouseae*), C/M

PALEOMAGNETICS

PHYS. PROPERTIES / CHEMISTRY:
- Section 1: V=1559, Φ=68.2, ρ=1.56, %CaCO3=90.4
- Section 2: Φ=68.2, ρ=1.56, %CaCO3=90.8; V=1555; %CaCO3=91.5
- Section 3: V=1580, Φ=69.0, ρ=1.54; %CaCO3=92.0
- Section 4: V=1569, Φ=66.6, ρ=1.57; %CaCO3=91.1
- Section 5: V=1566, Φ=68.4, ρ=1.56; %CaCO3=92.1
- Section 6: V=1562, Φ=67.4, ρ=1.56; %CaCO3=92.8
- Section 7: V=1566, Φ=66.5, ρ=1.59

SECTION: 1, 2, 3, 4, 5, 6, 7, CC

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: * (Section 3); OG, IW (Section 4)

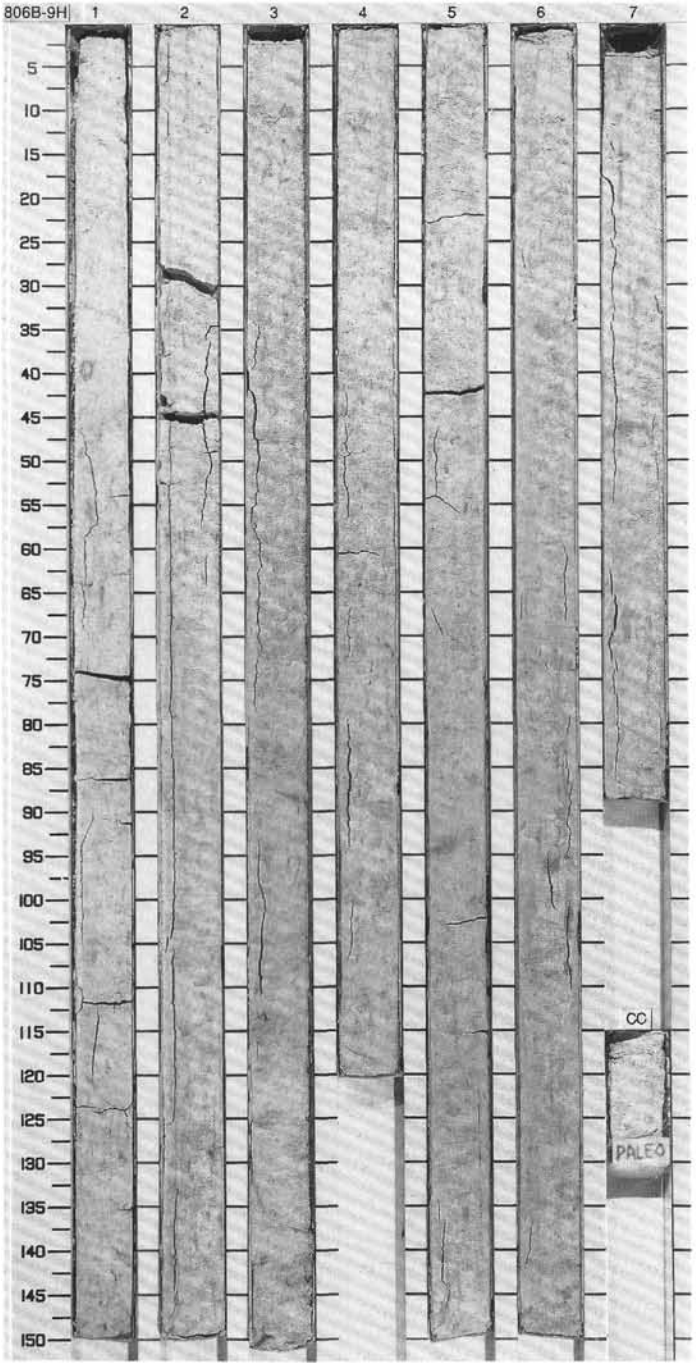
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (5Y 8/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. The sediment is heavily bioturbated, with light gray (5Y 7/1) mottles throughout. Horizontal,1 to 2 cm thick, pale yellowish green (10GY 7/2) color bands are common. Pale purple (5P 6/2) streaks and specks also are common, especially around burrows. Vertical pale purple streaks in some instances overprint green bands.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	50
Clay	40
COMPOSITION:	
Diatoms	1
Foraminifers	25
Nannofossils	70
Radiolarians	1
Siliceous fragments	2



SITE 806 HOLE B CORE 10H CORED INTERVAL 82.5-92.0 mbsf

TIME-ROCK UNIT: UPPER PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: A/G — N19 - N20
- NANNOFOSSILS: A/M — NN16
- RADIOLARIANS: A/M — *Spongaster pentas*
- DIATOMS: R/M — NTD 14?

PALEOMAGNETICS

PHYS. PROPERTIES

CHEMISTRY

SECTION / METERS

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

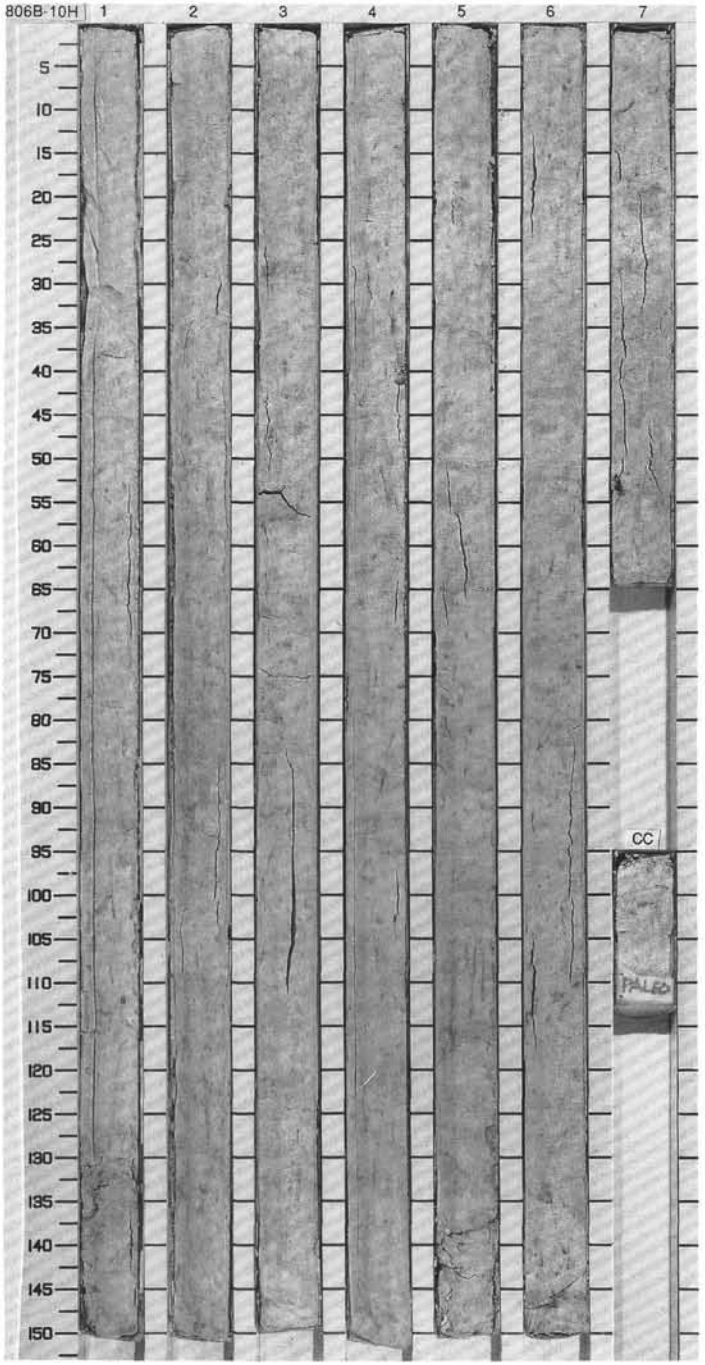
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (5Y 8/1) NANNOFOSSIL OOZE *with* FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. The sediment is heavily bioturbated, with light gray (5Y 7/1) mottles and burrows throughout. Horizontal, diffuse, 1 to 2 cm thick, pale yellowish green (10GY 7/2) color bands are present throughout the core. Pale purple (5P 6/2) streaks and specks are common, especially around burrows. Vertical pale purple streaks, in some instances, overprint many green bands. A slight H_2S odor was noticed when the core was split.

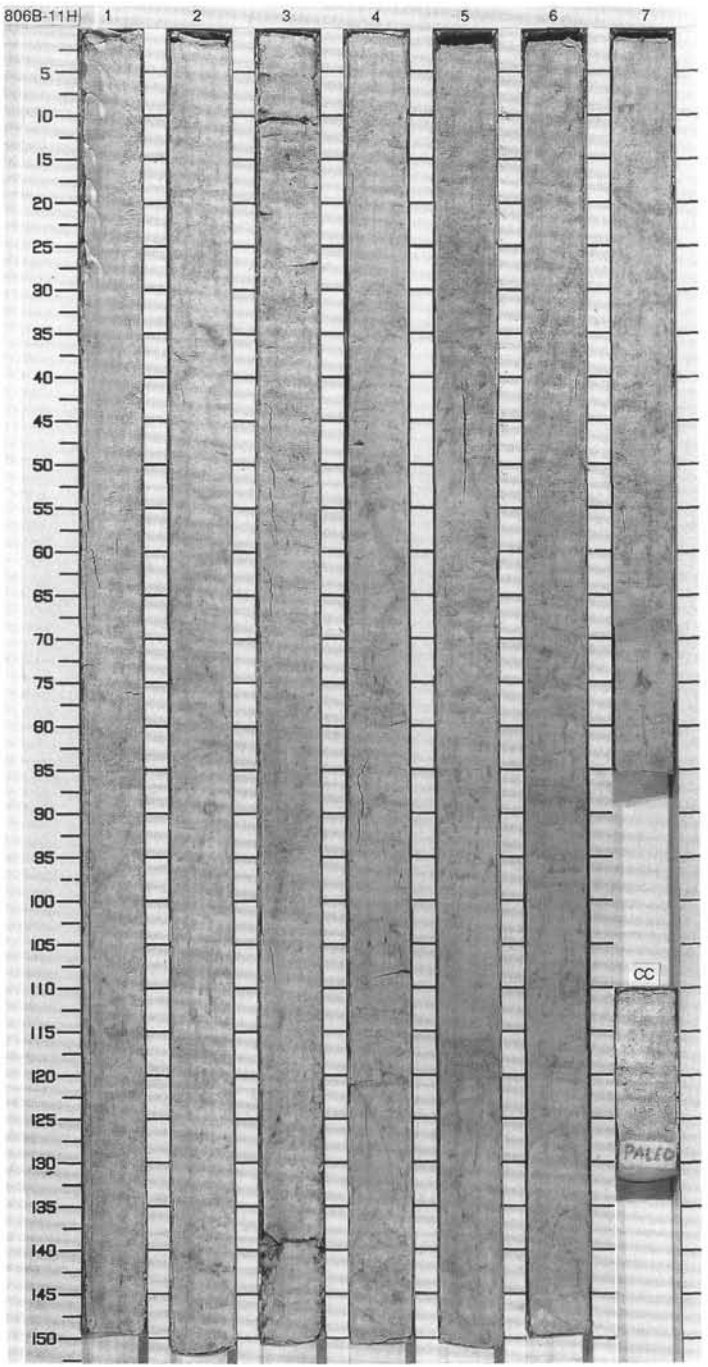
SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	25
Silt	45
Clay	30
COMPOSITION:	
Diatoms	Tr
Foraminifers	35
Nannofossils	65
Radiolarians	Tr



SITE 806 HOLE B CORE 11H CORED INTERVAL 92.0-101.5 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	LITHOLOGIC DESCRIPTION
LOWER PLIOCENE	A/G N19 - N20	A/M NN14 - NN15	A/M *Spongaster pentas*		V=1538 ϕ=65.9 ρb=1.60	V=1555 ϕ=66.2 ρb=1.60 V=1545 ϕ=65.5 ρb=1.61 V=1548 ϕ=66.0 ρb=1.58 V=1588 ϕ=65.2 ρb=1.61 V=1552 ϕ=65.7 ρb=1.60	%CaCO3=89.4 %CaCO3=90.8 %CaCO3=90.0 %CaCO3=91.1 %CaCO3=92.5 %CaCO3=93.3 %CaCO3=92.4	7 CC 6 5 4 3 2 1	0.5 1.0			*		NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE Major lithology: This core contains homogeneous, white (5Y 8/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. The sediment is heavily bioturbated, with abundant light gray (5Y 7/2) mottles and trace fossils, as well as pyritized burrows and "halos" in pale purple (5P 6/1). Faint diffuse, mm to cm thick, color bands, mostly yellowish green (10GY 7/2) and a few pale purple (5P 6/2) in color, are abundant throughout the core. A slight H_2S odor was noticed when the core was split. SMEAR SLIDE SUMMARY (%): 3, 75 D TEXTURE: Sand 10 Silt 50 Clay 40 COMPOSITION: Diatoms Tr Foraminifers 30 Nannofossils 67 Radiolarians Tr Siliceous fragments 3



SITE 806 HOLE B CORE 12H CORED INTERVAL 101.5-111.0 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER PLIOCENE	N18 - N19 A/M	NN14 - NN15 A/G	*Spongaster pentas* A/G	NTD 14 F/M		V=1559; V=1566; V=1559 Φ=66.7 ρ=1.58; V=1591 Φ=66.5 ρ=1.58; V=1559 Φ=65.6 ρ=1.59; V=1580 Φ=65.3 ρ=1.60; Φ=65.9 ρ=1.60 V=1591	%CaCO3=93.5; %CaCO3=90.6; %CaCO3=91.1; %CaCO3=*; %CaCO3=90.9; %CaCO3=89.4; %CaCO3=88.8	1, 2, 3, 4, 5, 6, 7, CC	0.5, 1.0				*, OG, IW

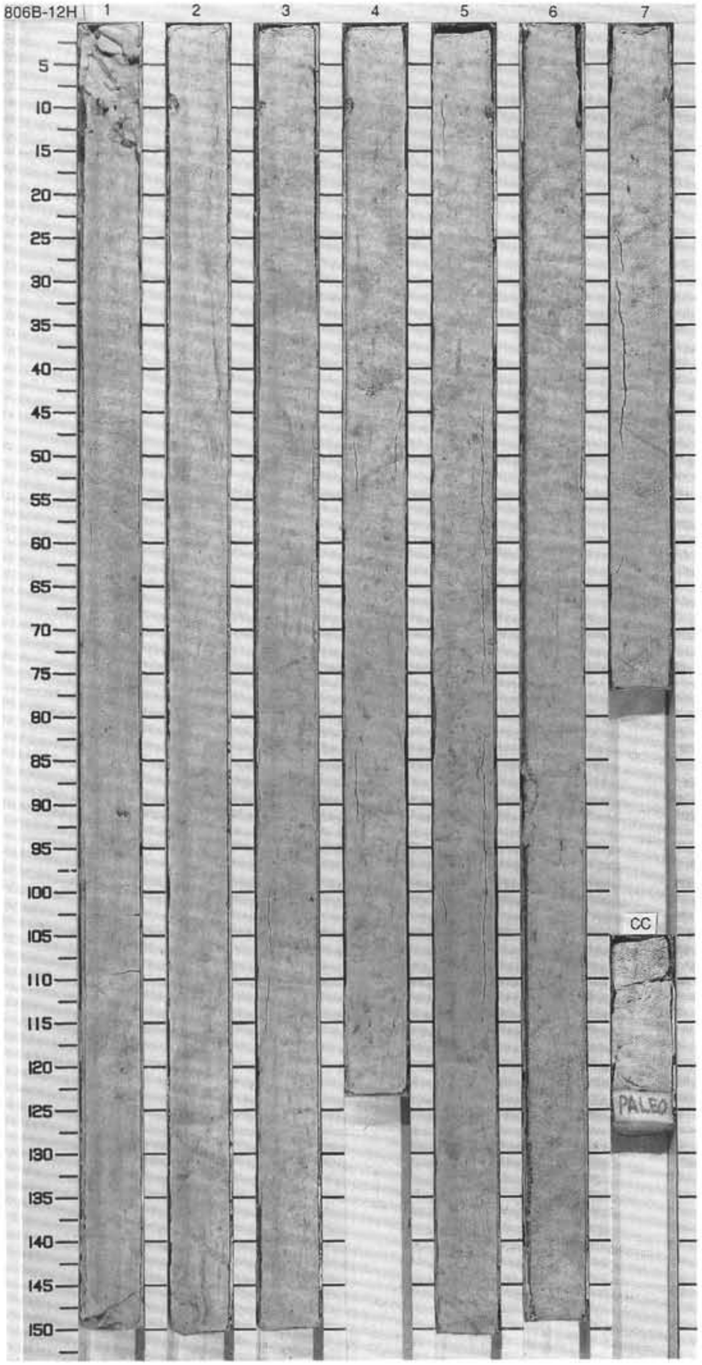
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (5Y 8/1) to light gray (5Y 7/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. It is heavily bioturbated, with abundant light gray (5Y7/2) mottles and pyritized burrow. Pale purple (5P 6/2) "halos" and mottles, also are associated with this bioturbation. Faint horizontal, thin (0.5 cm thick) pale purple color band and thicker (1 to 2 cm thick) pale yellow green (10GY 7/2) color bands are observed. A slight H_2S odor was noted upon splitting the core.

SMEAR SLIDE SUMMARY (%):

	3, 75
	D
TEXTURE:	
Sand	5
Silt	50
Clay	45
COMPOSITION:	
Foraminifers	35
Nannofossils	63
Radiolarians	Tr
Siliceous fragments	2



SITE 806 HOLE B CORE 13H CORED INTERVAL 111.0-120.5 mbsf

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (5Y 8/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE, both of which are moderately to heavily bioturbated throughout. Light gray (5Y 7/1 and N7/), light greenish gray (5G 7/1), and grayish blue (5PB 5/2) mottles and light gray (N7/) to grayish blue (5PB 5/2) burrow halos are common to abundant. Diffuse light gray (N7/) and light greenish gray (5G 7/1) color bands are common. Inclined color bands appear to be parts of large burrow halos intersected by the core.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	26
Silt	50
Clay	24
COMPOSITION:	
Diatoms	Tr
Foraminifers	25
Nannofossils	74
Radiolarians	Tr
Volcanic ash	1

SITE 806 HOLE B CORE 14H CORED INTERVAL 120.5-130.0 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 PLIOCENE	A/G	N18 - N19	A/G	NN14 - NN15	A/M	*Spongaster pentas*	A/M-G	NTD 14											

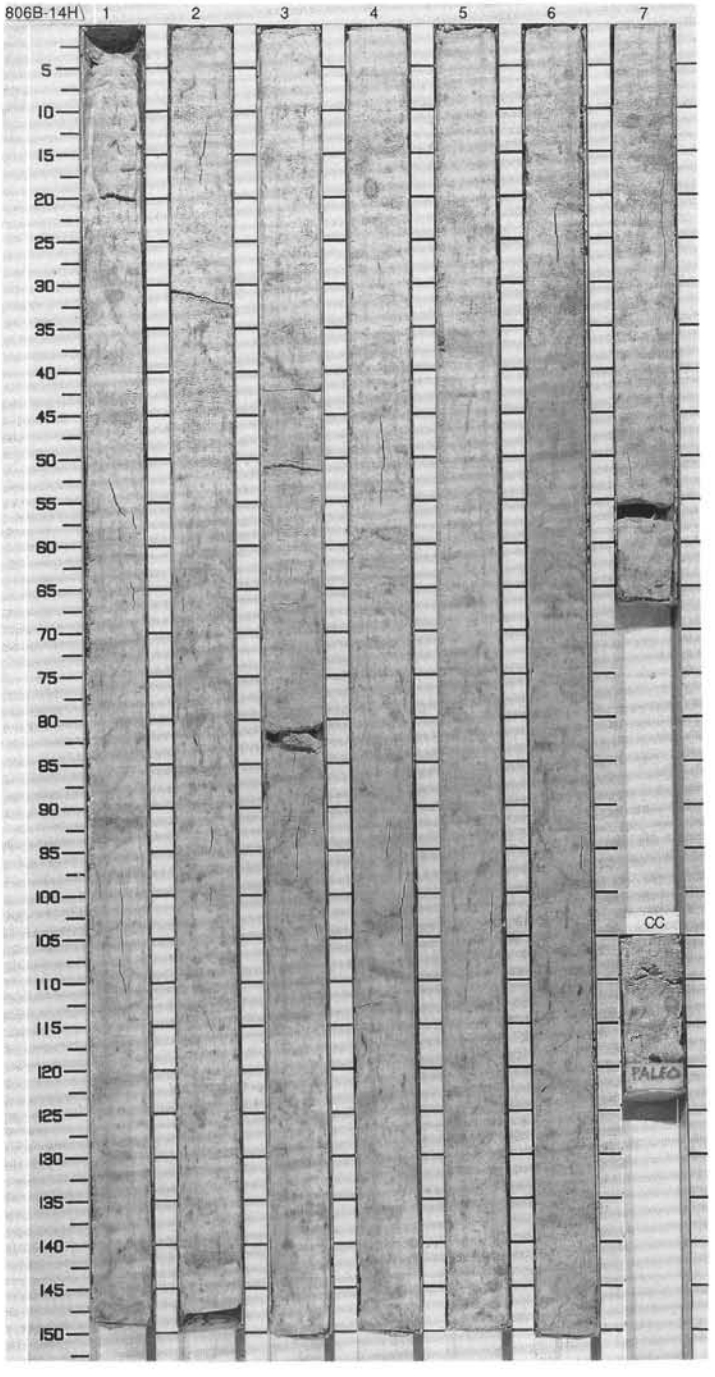
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. The sediment is white (5Y 8/1 and 2.5Y 8/0), with significant amounts of light gray (5Y 7/1 and 5Y 7/2) mottling caused by bioturbation. Grayish blue (5PB 5/2) burrow mottles and burrow "halos" are also common, ranging from cm scale and intense to mm scale and diffuse. Diffuse color bands, 1 to 2 cm thick, are common to abundant and are light greenish gray (5GY 7/1 and 5G 7/1) and grayish blue (5PB 5/2) in color.

SMEAR SLIDE SUMMARY (%):

	4, 50 D
TEXTURE:	
Sand	15
Silt	65
Clay	20
COMPOSITION:	
Foraminifers	20
Nannofossils	80
Radiolarians	Tr
Volcanic ash	Tr



SITE 806 HOLE B CORE 15H CORED INTERVAL 130.0-139.5 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
LOWER PLIOCENE	A/G	N18 - N19	*Spongaster pentas*	C-A/M NTD 14	V=1569	ϕ=63.7 ρ=1.63 V=1591 ϕ=64.9 ρ=1.60 ●%$CaCO_3$=91.9 V=1580 ϕ=64.1 ρ=1.62 ●%$CaCO_3$=92.0 V=1569 ϕ=63.4 ρ=1.63 ●%$CaCO_3$=93.5 V=1569 ϕ=64.7 ρ=1.61 ●%$CaCO_3$=92.4 V=1541 ϕ=63.5 ρ=1.63 ●%$CaCO_3$=94.6 V=1591 ϕ=62.0 ρ=1.66 ●%$CaCO_3$=94.0	1 2 3 4 5 6 7 CC	0.5 1.0			OG TW	

LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. The sediment is white (2.5Y 8/0), with intervals of light gray (5Y 7/1 and 5Y 7/2) mottling caused by bioturbation. Grayish blue (5PB 5/2) mottles and burrow "halos" are also common, ranging from cm scale and intense to mm scale and diffuse. Diffuse light greenish gray (5GY 7/1 and 5G 8/1) and grayish blue (5PB 5/2) color bands, 1 to 2 cm thick, are present throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	15
Silt	82
Clay	3
COMPOSITION:	
Foraminifers	30
Nannofossils	65
Radiolarians	3
Silicoflagellates	1
Volcanic ash	1

SITE 806 HOLE B CORE 16H CORED INTERVAL 139.5-149.0 mbsf

TIME-ROCK UNIT: LOWER PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: A/G — N18 - N19
- NANNOFOSSILS: A/G — NN12
- RADIOLARIANS: A/M — *Stichocorys peregrina*
- DIATOMS: A/M-G — NTD 13c? (*Thalassiosira convexa*)

PALEOMAGNETICS

PHYS. PROPERTIES:
- V=1573 @ 63.2 ρ=1.64
- V=1595 @ 65.4 ρ=1.59
- V=1595 @ 64.8 ρ=1.60
- V=1580 @ 65.1 ρ=1.60
- V=1580 @ 64.7 ρ=1.60
- V=1606 @ 63.5 ρ=1.63

CHEMISTRY:
- %CaCO3=91.5
- %CaCO3=93.2
- %CaCO3=93.0
- %CaCO3=94.4
- %CaCO3=93.0
- %CaCO3=94.9

SECTION: 1, 2, 3, 4, 5, 6, 7, CC

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: *

LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is white (2.5Y 8/0), with intervals of light gray (5Y 7/1 and 5Y 7/2) mottling caused by bioturbation. Grayish blue (5PB 5/2) mottles and burrow "halos" also are common, ranging from cm scale and intense to mm scale and diffuse. Diffuse light greenish gray (5GY 7/1 and 5G 8/1), pale purple (5P 6/2), and grayish blue (5PB 5/2) color bands, 1 to 2 cm thick, are present throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 102 D
TEXTURE:	
Sand	20
Silt	75
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	77
Radiolarians	3

SITE 806 HOLE B CORE 17H CORED INTERVAL 149.0-158.5 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS
LOWER PLIOCENE	N18 A/G		*Stichocorys peregrina* A/M	NTD 13c?		V-1588 ● Φ=65.2 ρ=1.60	● %$CaCO_3$=94.7	1	0.5, 1.0
						V-1591 ● Φ=64.6 ρ=1.61	● %$CaCO_3$=92.5	2	
						V-1591 ● Φ=65.2 ρ=1.60	● %$CaCO_3$=92.6	3	
						V-1614 ● Φ=63.9 ρ=1.63	● %$CaCO_3$=92.7	4	
						V-1577 ● Φ=65.0 ρ=1.60	● %$CaCO_3$=90.5	5	
						V-1584	● %$CaCO_3$=91.6	6	
						● Φ=62.8 ρ=1.63	● %$CaCO_3$ =90.8	7	
								CC	

GRAPHIC LITHOLOGY | DRILLING DISTURB. | SED. STRUCTURES | SAMPLES

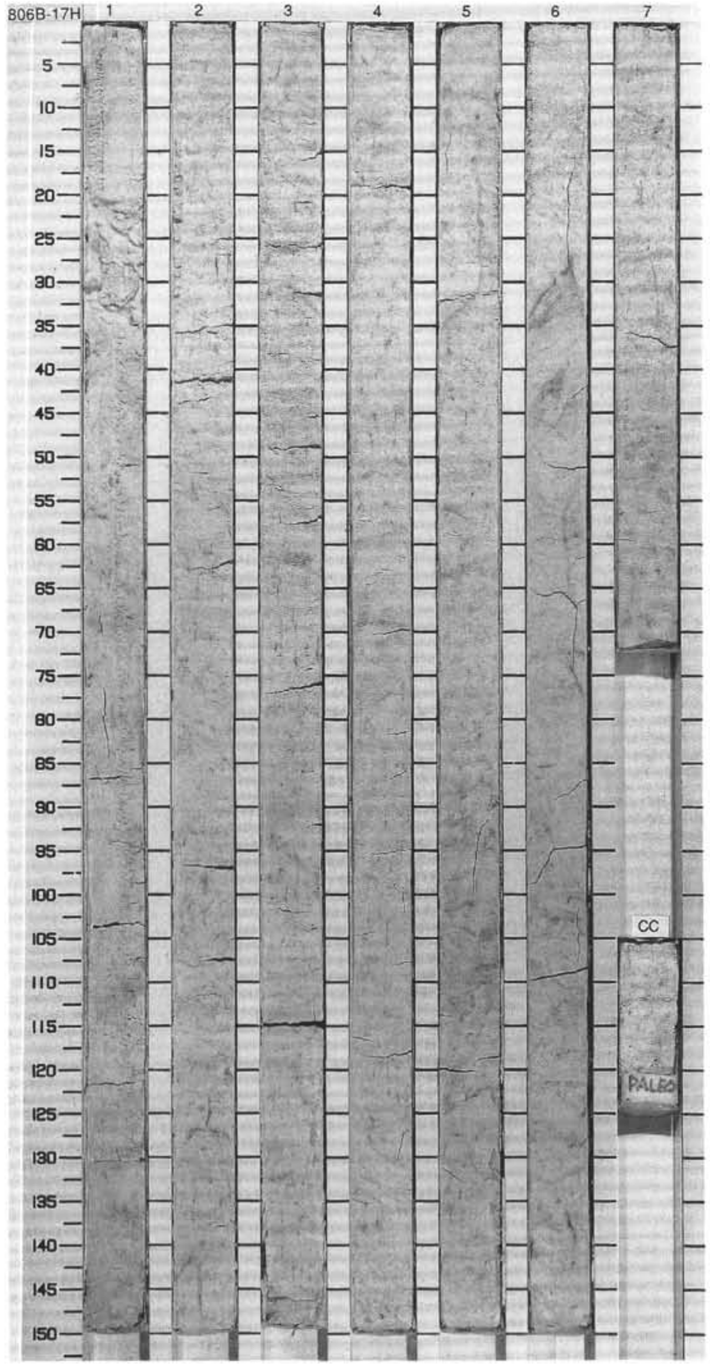
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is white (5Y 8/1 and 2.5Y 8/0), with light gray (5Y 7/1 and 5Y 7/2) mottling caused by bioturbation. Grayish blue (5PB 5/2) to pale purple (5P 6/2) mottles and burrow "halos" are common. Steeply inclined and horizontal color bands and diffuse 0.5 to 2 cm thick, horizontal, light greenish gray (5G 7/1) color bands are present throughout the core. The steep grayish blue bands may cross the greenish bands.

SMEAR SLIDE SUMMARY (%):

	3, 99 D
TEXTURE:	
Sand	20
Silt	80
COMPOSITION:	
Foraminifers	15
Nannofossils	82
Radiolarians	3



SITE 806 HOLE B CORE 18H CORED INTERVAL 158.5-168.0 mbsf

SITE 806 HOLE B CORE 19H CORED INTERVAL 168.0-177.5 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 MIOCENE	A/G N17b	A/M NN11	A/G *Stichocorys peregrina*	A/M NTD 13	V-1562	V-1606 ●0-61.0 P-1.68 ●0-62.6 P-1.64 ●%$CaCO_3$=91.6	V-1577 ●0-63.5 P-1.64 ●%$CaCO_3$=92.2	7 CC					
						V-1577 ●0-63.5 P-1.64 ●%$CaCO_3$=92.0	V-1559 ●0-63.1 P-1.64 ●%$CaCO_3$=64.0	5					
						V-1584 ●0-61.6 P-1.67 ●%$CaCO_3$=92.5	V-1577 ●0-63.0 P-1.64 ●%$CaCO_3$=93.4	3					
						V-1577 ●0-63.5 P-1.64 ●%$CaCO_3$=91.8	V-1617 ●0-63.5 P-1.64 ●%$CaCO_3$=91.8	2					
								1	0.5 1.0				

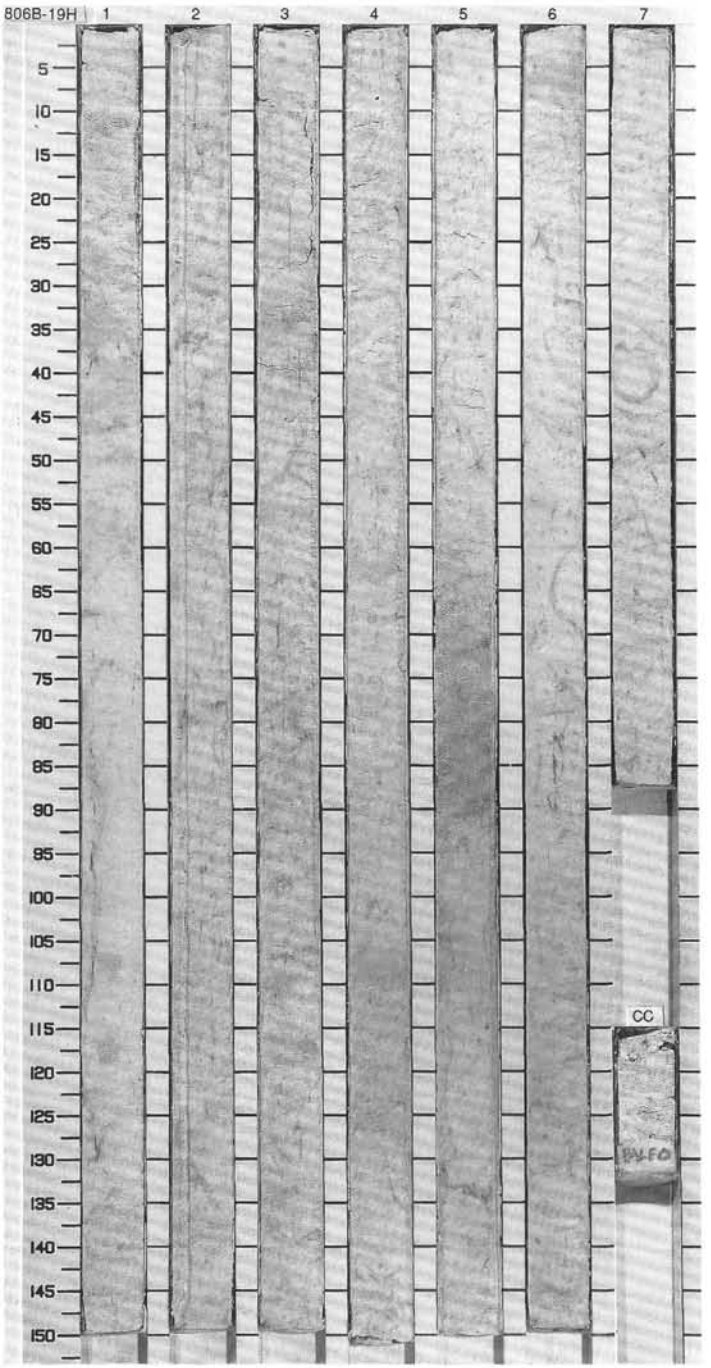
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (5Y 8/1 to 2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Bioturbation is moderate to heavy throughout the core, with cm scale, light gray (5Y 7/1 and 5Y 7/2) mottling and mm to cm scale grayish purple (5PB 5/2) mottling and burrow "halos". Very faint, light greenish gray (5G 7/1) and diffuse grayish purple (5PB 5/2) color bands are present to common.

SMEAR SLIDE SUMMARY (%):

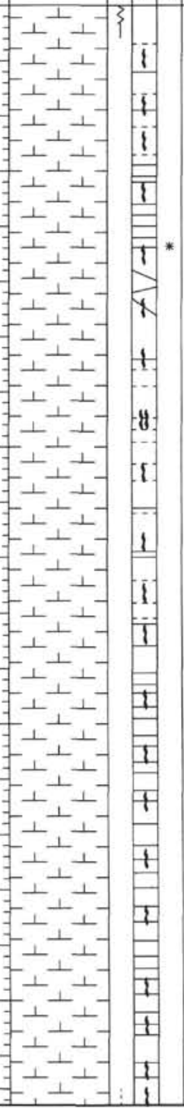
	3, 74 D
TEXTURE:	
Sand	15
Silt	55
Clay	30
COMPOSITION:	
Accesory minerals	1
Foraminifers	22
Nannofossils	75
Siliceous fragments	2



SITE 806 HOLE B CORE 20H CORED INTERVAL 177.5-187.0 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS
UPPER MIOCENE	N17b	NN11	*Stichocorys peregrina*	NTD 12 - NTD 13 (*Nitzschia miocenica*) (*Thalassiosira convexa*)		V-1606 ●Φ=63.3 ρ=1.65	●%CaCO3=94.3	1	0.5, 1.0
						V-1599 ●Φ=62.8 ρ=1.65	●%CaCO3=92.4	2	
						V-1555 ●Φ=62.5 ρ=1.65	●%CaCO3=94.5	3	
						V-1633 ●Φ=62.0 ρ=1.66	●%CaCO3=93.1	4	
						●V-1641	●%CaCO3=93.0	5	
						V-1603 ●Φ=62.1 ρ=1.67	●%CaCO3=95.0	6	
								7	
	A/G	A/M	A/M	A/M				CC	

GRAPHIC LITHOLOGY | DRILLING DISTURB. | SED. STRUCTURES | SAMPLES



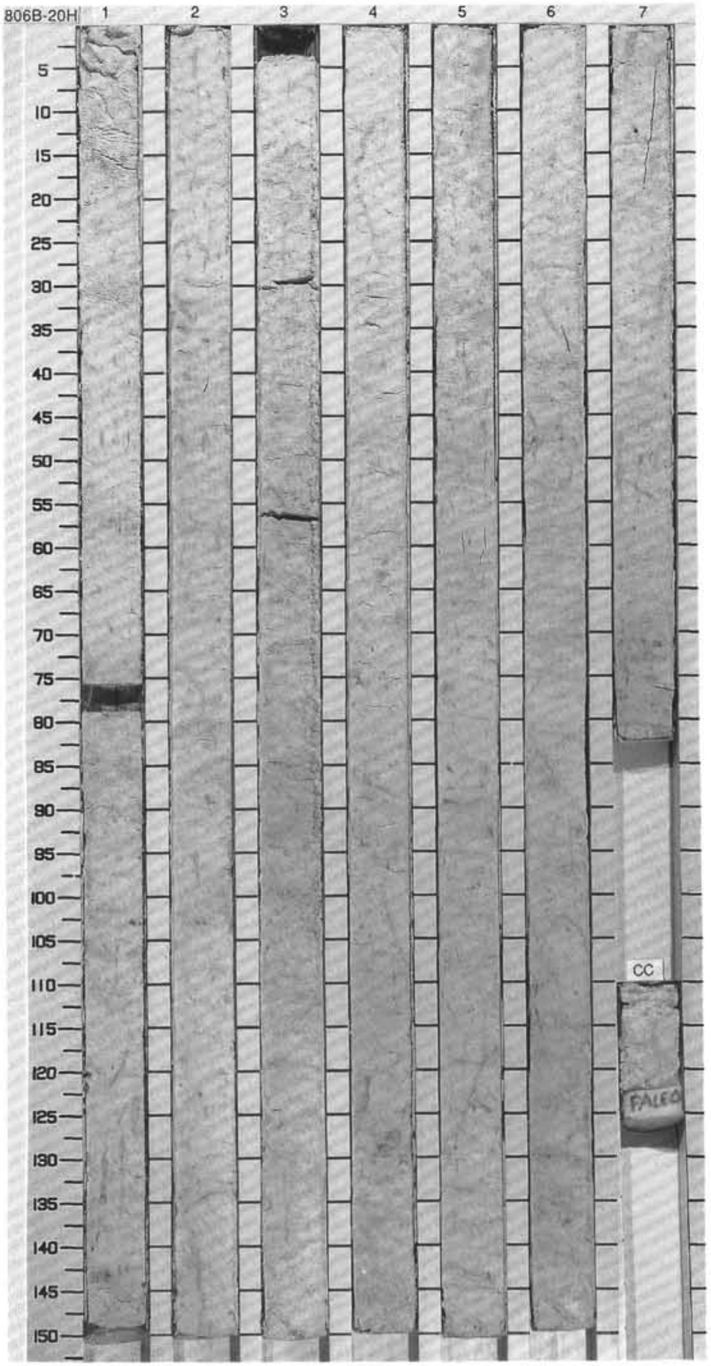
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Bioturbation is moderate, with cm scale, light gray (5Y 7/1) and white (5Y 8/0) mottling and mm to cm scale, grayish blue (5PB 5/2) to pale purple (5P 6/2) mottling and burrow "halos". Very faint, light greenish gray (5G 7/1) and diffuse grayish blue (5PB 5/2) to pale purple (5P 6/2) color bands are present to common throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 69
	D
TEXTURE:	
Sand	25
Silt	75
COMPOSITION:	
Foraminifers	20
Nannofossils	75
Radiolarians	5



SITE 806 HOLE B CORE 21H CORED INTERVAL 187.0-196.5 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 MIOCENE	A/G	N17b	NN11	A/G	*Didymocyrtis penultima* - *Stichocorys peregrina*	C/M	NTD 12 - NTD 13							

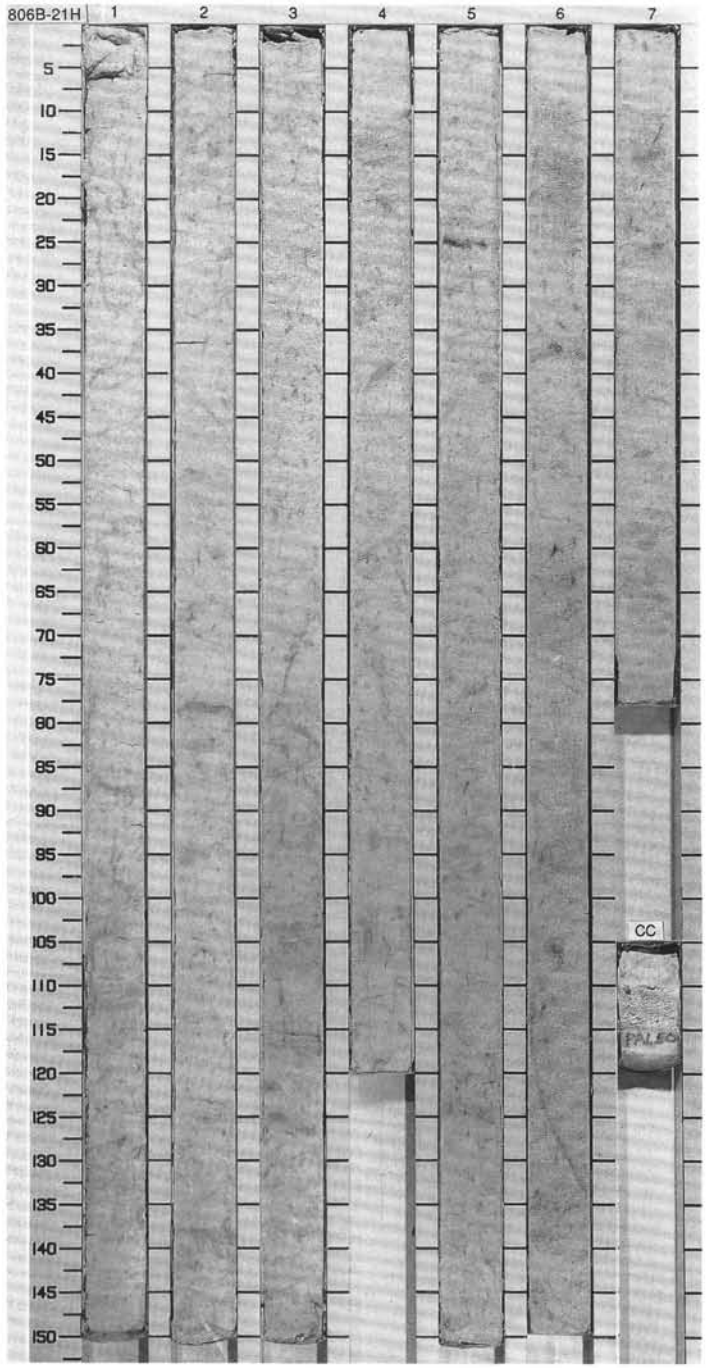
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Bioturbation is moderate throughout the core with cm scale, light gray (5Y 7/1 and 5Y 7/2) and olive (5Y 5/3) mottling and mm to cm scale grayish blue (5PB 5/2) mottling and burrow "halos". Very faint, light greenish gray (5G 7/1) and diffuse grayish blue 5PB 5/2) color bands are present to common throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 90 D
TEXTURE:	
Sand	20
Silt	75
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	75
Radiolarians	5



SITE 806 HOLE B CORE 22H CORED INTERVAL 196.5-206.0 mbsf

TIME-ROCK UNIT: UPPER MIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: N17b (A/G)
- NANNOFOSSILS: NN11 (A/M)
- RADIOLARIANS: *Didymocyrtis penultima* - *Stichocorys peregrina* (A/G)
- DIATOMS: NTD 12 (C/M)

PALEOMAGNETICS | PHYS. PROPERTIES | CHEMISTRY | SECTION | METERS | GRAPHIC LITHOLOGY | DRILLING DISTURB. | SED. STRUCTURES | SAMPLES

SECTION	PHYS. PROPERTIES	CHEMISTRY
1	V=1617 ● ϕ=62.3, ρ=1.66	●%$CaCO_3$=94.0
2		●%$CaCO_3$=92.6
3	V=1573 ● ϕ=62.6, ρ=1.65	●%$CaCO_3$=94.0
4	V=1588 ● ϕ=61.8, ρ=1.66	●%$CaCO_3$=92.8
5	V=1618 ● ϕ=61.8, ρ=1.65	●%$CaCO_3$=94.0
6	V=1580 ● ϕ=62.5, ρ=1.65	●%$CaCO_3$=93.0
7		
CC		

METERS: 0.5, 1.0

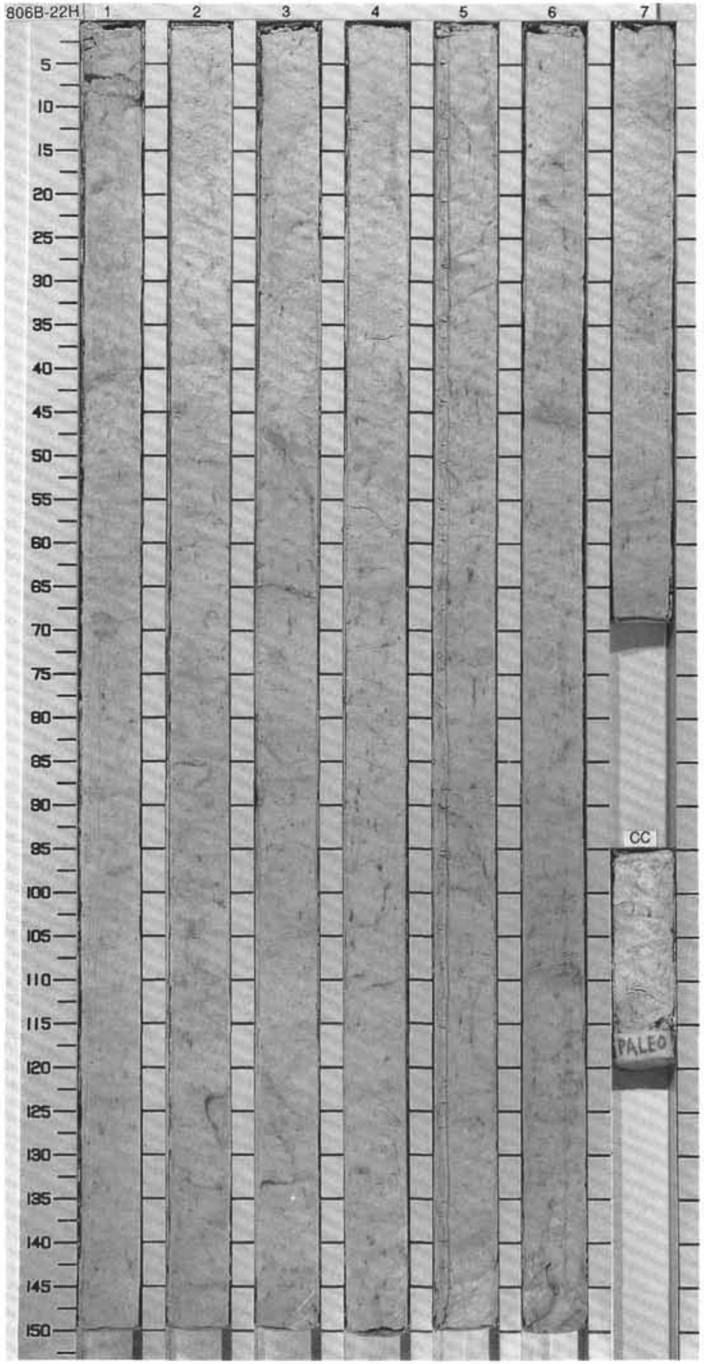
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is predominantly white (2.5Y 8/0 to 5Y 8/1) with a single diffuse, 25 cm thick zone of light gray (5Y 7/1). The sediment is slightly to moderately bioturbated with cm scale, light gray (5Y 7/1 and 5Y 7/2) mottling and mm to cm scale, grayish blue (5PB 5/2) mottling and burrow "halos". Very faint, light greenish gray (5G 7/1) and diffuse grayish blue (5PB 5/2) color bands are present to abundant throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 89
	D
TEXTURE:	
Sand	20
Silt	80
COMPOSITION:	
Foraminifers	15
Nannofossils	80
Radiolarians	5



SITE 806 HOLE B CORE 23H CORED INTERVAL 206.0-215.5 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 MIOCENE	A/G	N17a	A/M	NN11	A/G	*Didymocyrtis penultima - Stichocorys peregrina*	NTD 12						

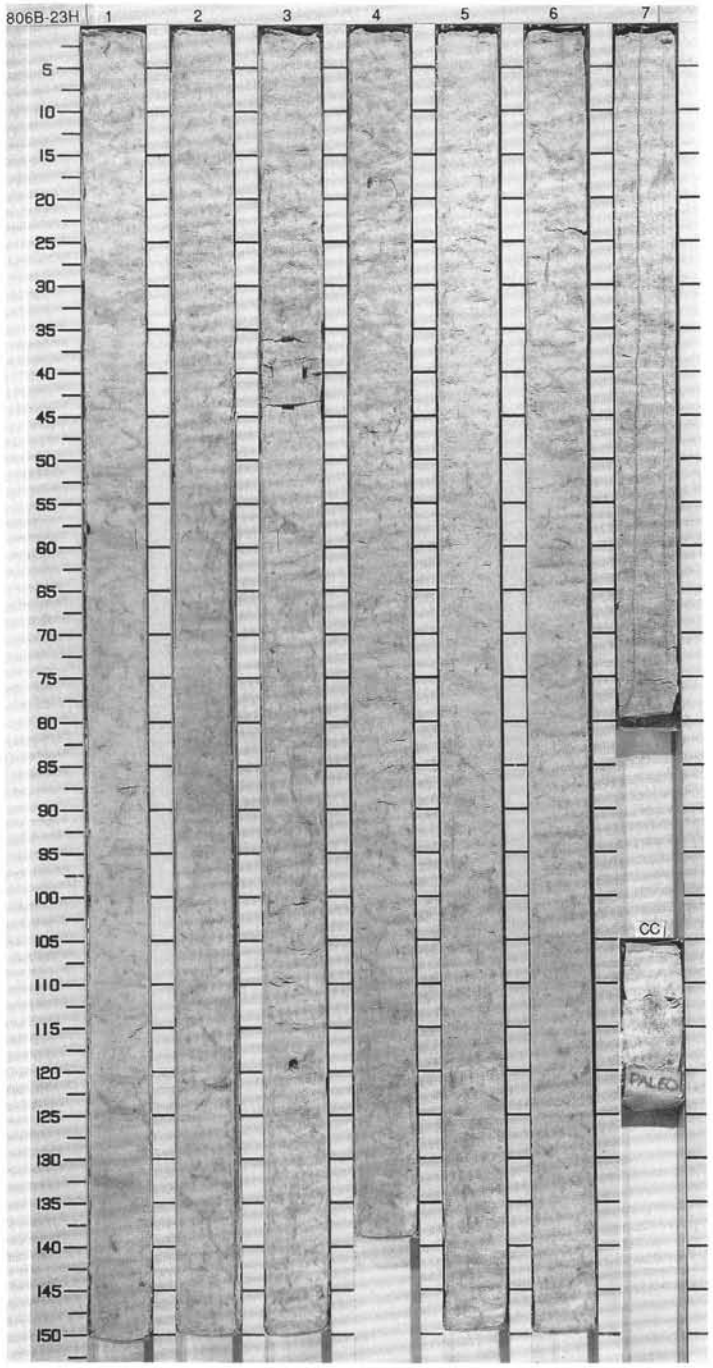
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

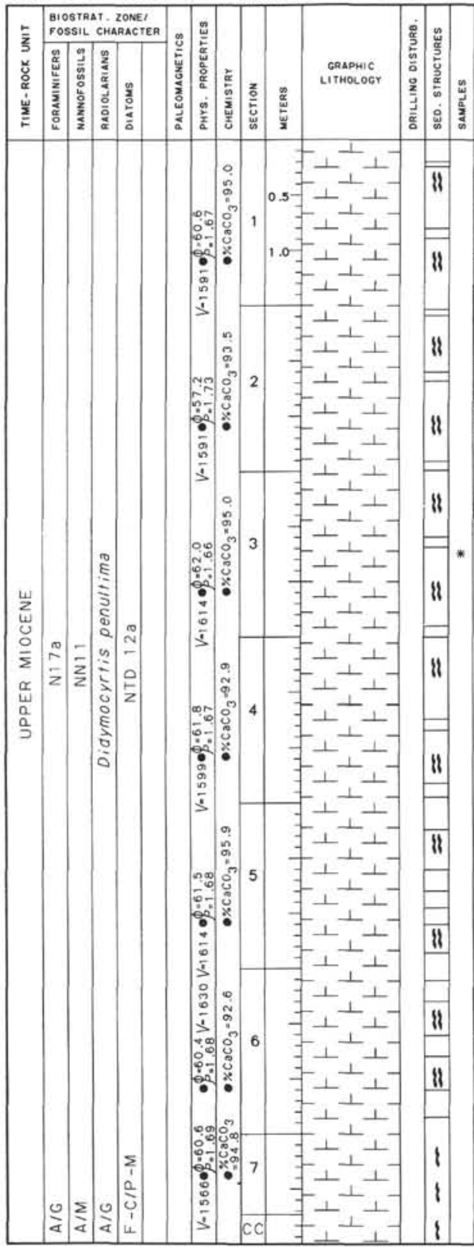
Major lithology: This core contains moderately to heavily bioturbated, homogeneous, white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Predominantly horizontal, cm scale, light gray (5Y 7/1) and grayish blue (5PB 5/2) burrow mottles are abundant, and mm scale, grayish blue pyritic burrow fills are common. In Section 2, the outlines of large burrow "halos" are observed as dipping grayish blue color bands. Faint light greenish gray (5G 7/1) and diffuse grayish blue (5PB 5/2) color bands are present. Rare, cm thick, stiffer intervals are spaced irregularly throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 72 D
TEXTURE:	
Sand	10
Silt	85
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	79
Radiolarians	1



SITE 806 HOLE B CORE 24H CORED INTERVAL 215.5-225.0 mbsf



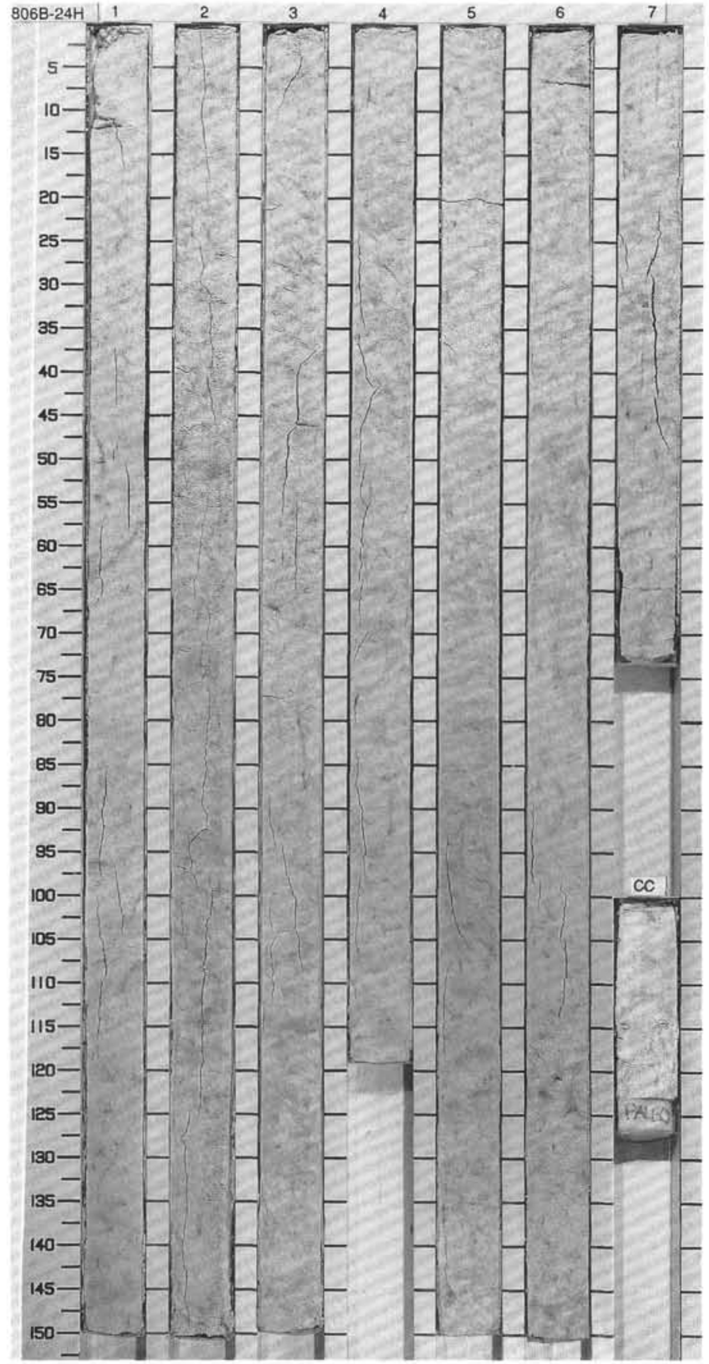
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sediments are moderately to heavily bioturbated, with abundant light gray (5Y 7/1) mottles and pale purple (5P 6/2) pyritized burrows an "halos." Faint diffuse, mm to cm thick, greenish gray (5G 7/1) color bands are abundant. Rare cm thick, stiffer intervals are spaced irregularly throughout the core. A slight H_2S odor was noted when the core was split.

SMEAR SLIDE SUMMARY (%):

	3, 75
	D
TEXTURE:	
Sand	10
Silt	50
Clay	40
COMPOSITION:	
Foraminifers	20
Nannofossils	77
Radiolarians	1
Siliceous fragments	2



SITE 806 HOLE B CORE 25H CORED INTERVAL 225.0-234.5 mbsf

TIME-ROCK UNIT	UPPER MIOCENE
BIOSTRAT. ZONE/ FOSSIL CHARACTER — FORAMINIFERS	A/G N17a
NANNOFOSSILS	A/M NN11
RADIOLARIANS	A/M-P
DIATOMS	NTD 12
PALEOMAGNETICS	V-1606
PHYS. PROPERTIES	V-1577 Φ=60.7 P=1.69; Φ=60.5 P=1.68; V-1569 Φ=60.8 P=1.68; V-1591 Φ=61.4 P=1.66; V-1595 Φ=61.8 P=1.65; V-1599 Φ=60.5 P=1.67
CHEMISTRY	%CaCO3=92.6; %CaCO3=94.1; %CaCO3=95.1; %CaCO3=94.6; %CaCO3=94.9; %CaCO3=92.4
SECTION	CC, 7, 6, 5, 4, 3, 2, 1
METERS	1.0, 0.5
GRAPHIC LITHOLOGY	
DRILLING DISTURB.	
SED. STRUCTURES	
SAMPLES	

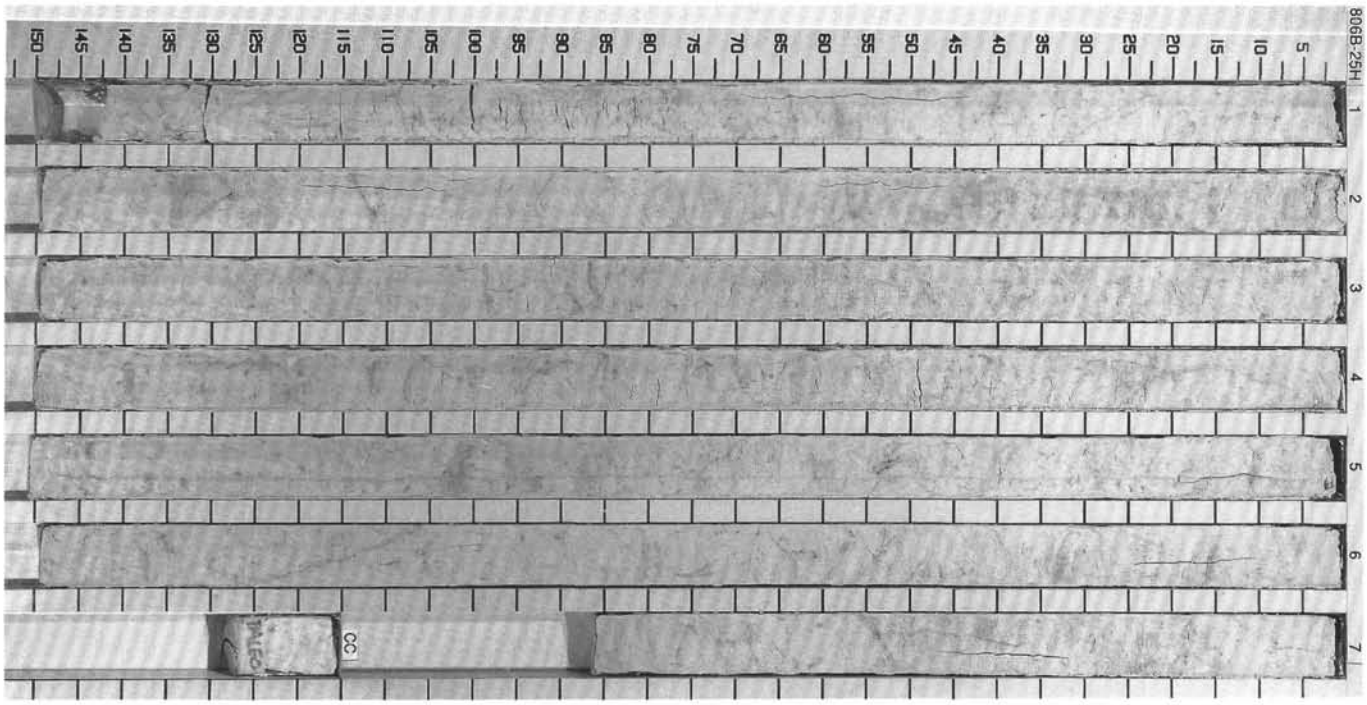
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Abundant thin (0.2 to 0.5 cm) pale purple (5P 6/2) and reddish gray (5R 6/1) color bands and streaks are observed. These colors appear to be related to bioturbation patterns. Numerous light gray (2.5Y 7/2) mottles, mostly subhorizontal, are also noted, although a few are vertical. Some very faint, pale yellowish green (10GY 7/2) color zones are also visible. The sediment is firm to stiff. A slight odor of H_2S was apparent when the core was split.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	50
Clay	40
COMPOSITION:	
Diatoms	Tr
Foraminifers	20
Nannofossils	78
Radiolarians	Tr
Siliceous fragments	2



SITE 806 HOLE B CORE 26H CORED INTERVAL 234.5-244.0 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 MIOCENE	A/G	N17a	NN11	*Didymocyrtis penultima*	NTD 12	C-A/P-M								

LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is white (7.5YR 8/0) with numerous pale purple (5P 6/2) and light gray (2.5Y 7/2) mottles. A few, very faint, pale yellow green (10GY 7/2) color bands are discernable. The ooze is stiff, with thin (1 cm) zones of hard to semi-lithified material irregularly distributed throughout the core, especially in Sections 5 and 6. A slight H_2S odor was noticed when the core was split.

SMEAR SLIDE SUMMARY (%):

	4, 74 D
TEXTURE:	
Sand	10
Silt	65
Clay	25
COMPOSITION:	
Accessory minerals	2
Foraminifers	15
Nannofossils	8
Siliceous fragments	3

SITE 806 HOLE B CORE 27H CORED INTERVAL 244.0-253.5 mbsf

UPPER MIOCENE	TIME-ROCK UNIT
A/M N17a	FORAMINIFERS
A/M NN11	NANNOFOSSILS
A/G *Didymocyrtis penultima*	RADIOLARIANS
	DIATOMS
	PALEOMAGNETICS
V=1566 ϕ=60.7 ρ=1.68 %CaCO3=95.1 V=1569 ϕ=60.5 ρ=1.67 %CaCO3=94.8 V=1559 ϕ=60.9 ρ=1.66 %CaCO3=93.9 V=1584 ϕ=61.1 ρ=1.67 %CaCO3=95.0 V=1591 ϕ=59.4 ρ=1.70 %CaCO3=95.0 V=1614 ϕ=58.9 ρ=1.70 %CaCO3=94.7	PHYS. PROPERTIES / CHEMISTRY
CC 7 6 5 4 3 2 1	SECTION
1.0 0.5	METERS
	GRAPHIC LITHOLOGY
	DRILLING DISTURB.
	SED. STRUCTURES
TW OG *	SAMPLES

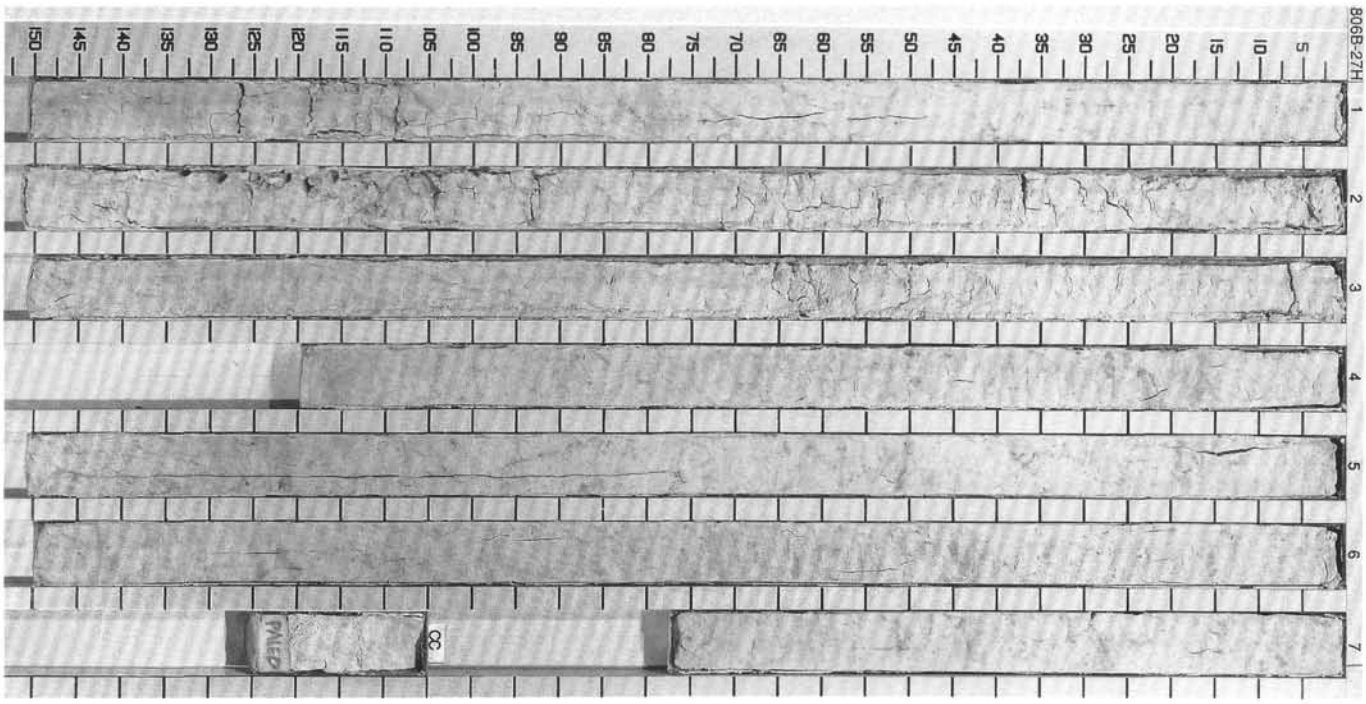
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFER

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is white (7.5YR 8/0) with numerous pale purple (5P 6/2) and light gray (2.5Y 7/2) mottles. Pale purple bands are predominantly sub-horizontal and arcuate halo-segments. A few pieces of the sediment are markedly indurated. Some small pale yellowish green (10GY 7/2) specks are apparent. The sediment has a slight H_2S odor.

SMEAR SLIDE SUMMARY (%):

	D	
TEXTURE:		
Sand	10	
Silt	50	
Clay	40	
COMPOSITION:		
Foraminifers	10	
Nannofossils	90	
Radiolarians	Tr	
Siliceous fragments	Tr	
Siliceous sponge spicules	Tr	



SITE 806 HOLE B CORE 28H CORED INTERVAL 253.5-263.0 mbsf

UPPER MIOCENE	TIME-ROCK UNIT
A/M: N17a	FORAMINIFERS (BIOSTRAT. ZONE/FOSSIL CHARACTER)
A/P: NN11	NANNOFOSSILS
A/G: *Didymocyrtis antepenultima*	RADIOLARIANS
C-A/M: NTD 11b - NTD 11b *(Nitzschia porteri)*	DIATOMS
	PALEOMAGNETICS
V=1588 ρ=1.66 Φ=61.0; V=1603 ρ=1.67 Φ=60.7; V=1618 ρ=1.69 Φ=59.2; V=1588 ρ=1.70 Φ=59.3; V=1595 ρ=1.67 Φ=60.2; V=1591 ρ=1.68 Φ=60.3	PHYS. PROPERTIES
%$CaCO_3$=94.5; %$CaCO_3$=94.8; %$CaCO_3$=95.2; %$CaCO_3$=95.5; %$CaCO_3$=94.8; %$CaCO_3$=94.9	CHEMISTRY
CC 7 6 5 4 3 2 1	SECTION
1.0 0.5	METERS
	GRAPHIC LITHOLOGY
	DRILLING DISTURB.
	SED. STRUCTURES
*	SAMPLES

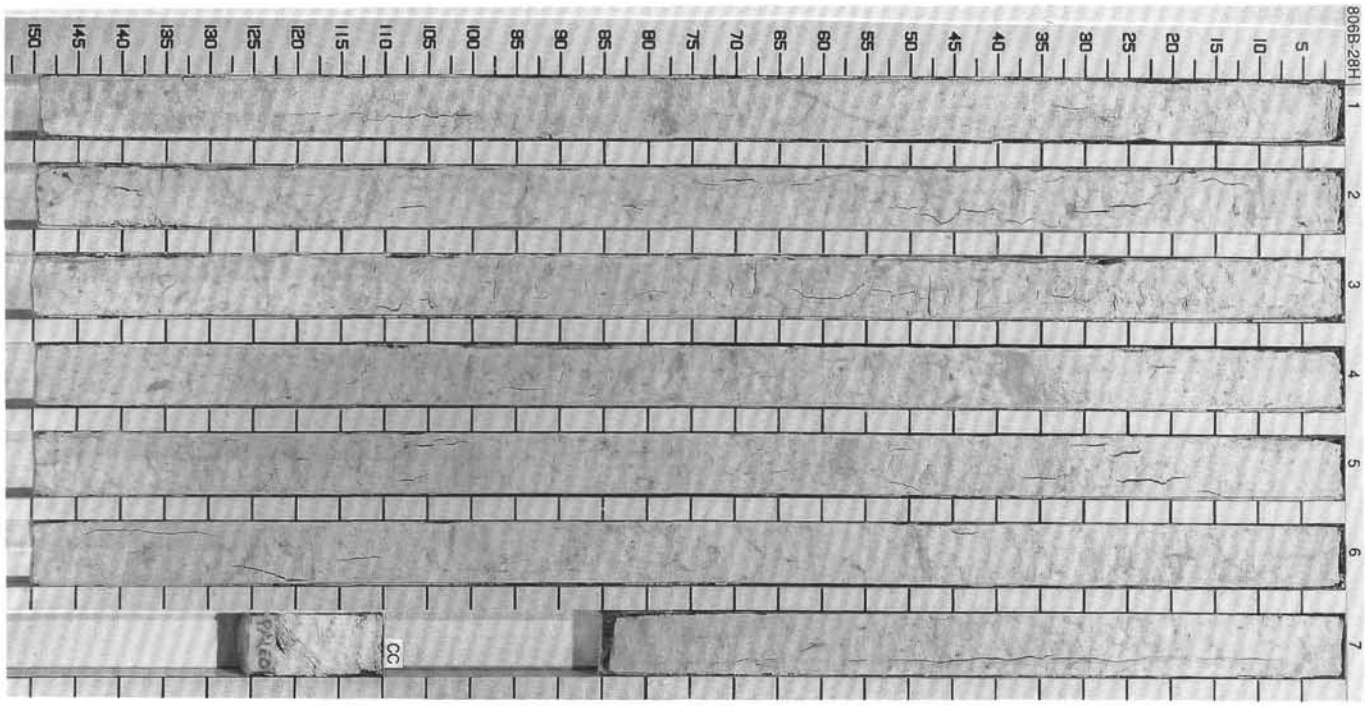
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The ooze is firm with some irregular semi-lithified areas. Abundant white (2.5Y 8/2) burrow-fills and mottles indicate significant bioturbation. Pale purple (5P 6/2) streaks, "halos", and, to a lesser extent, bands that are up to 1 cm thick are present throughout. Horizontal bands are particularly prominent in Section 6, 25 cm to 62 cm. There are a few pale yellowish green (10GY 7/2) specks in this core. The sediment has a slight H_2S odor.

SMEAR SLIDE SUMMARY (%):

	2, 75 D
TEXTURE:	
Sand	10
Silt	50
Clay	40
COMPOSITION:	
Foraminifers	12
Nannofossils	86
Radiolarians	Tr
Siliceous fragments	Tr
Siliceous sponge spicules	Tr



SITE 806 HOLE B CORE 29H CORED INTERVAL 263.0-272.5 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 MIOCENE	A/M	N16	A/M	NN11	A/G	*Didymocyrtis antepenultima*	A/M	NTD 11							

LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. It is moderately to heavily bioturbated, with abundant light gray (2.5Y 7/2) and pale purple (5P 6/2) mottles and pyrite-filled burrows. Very faint, pale purple (5P 6/2) and greenish gray (5G 7/2) color bands occasionally are present. Hard and semi-lithified intervals, 1 cm thick and closely spaced, are distributed throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Foraminifers	15
Nannofossils	80
Siliceous fragments	5

SITE 806 HOLE B CORE 30H CORED INTERVAL 272.5-282.0 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 MIOCENE	A/G	N16	A	NN11	A/P	*Didymocyrtis antepunultima*	A/M	NTD 11									

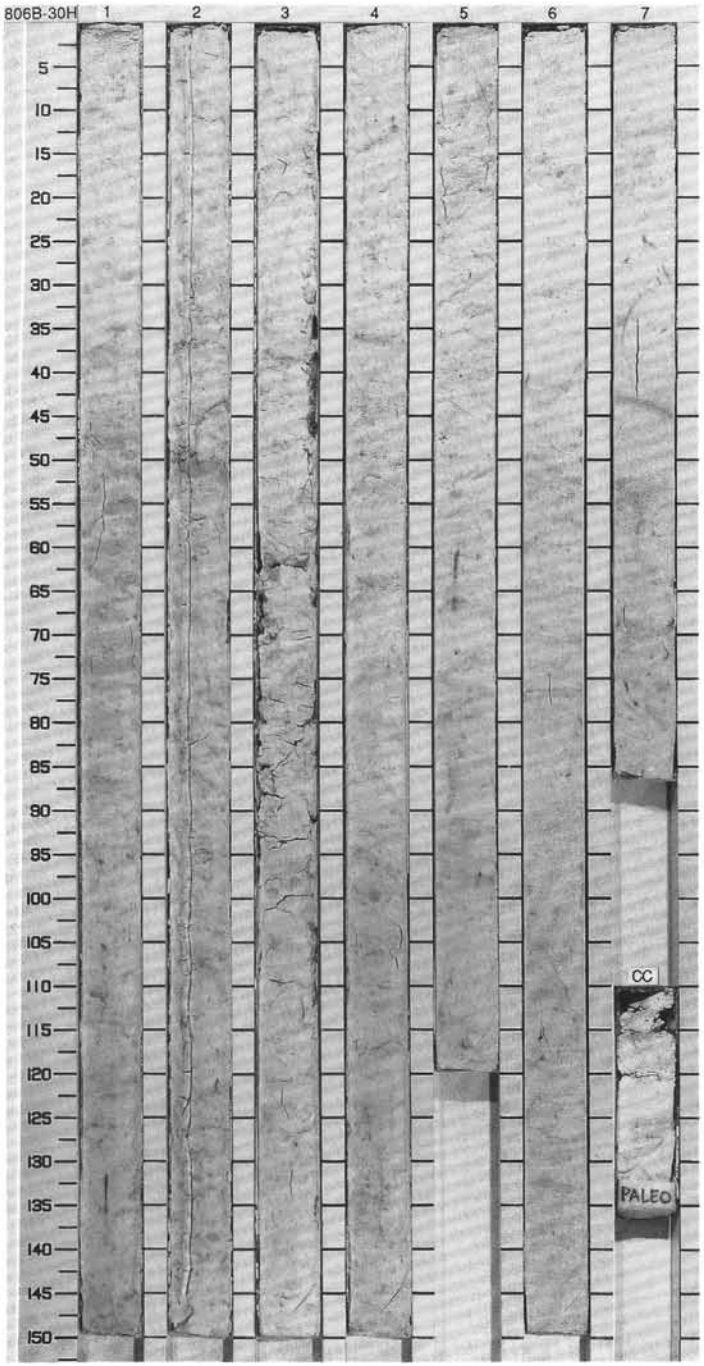
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. It is moderately to heavily bioturbated, with light gray (2.5Y 7/2) and pale purple (5P 6/2) mottles (0.5-1 cm in diameter) and fewer pyrite-filled burrow. Occasional, very faint, pale purple (5P 6/2) and greenish gray (5G 7/2) color bands are noted. Hard and semi-lithified intervals, about 1 cm thick and closely spaced, are distributed throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	50
Clay	40
COMPOSITION:	
Diatoms	1
Foraminifers	20
Nannofossils	77
Siliceous fragments	2



SITE 806 HOLE B CORE 31H CORED INTERVAL 282.0-291.5 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 MIOCENE	A/G	N16	A/M	NN10	*Didymocyrtis antepenultima*	A/G	NTD 11	A/M						

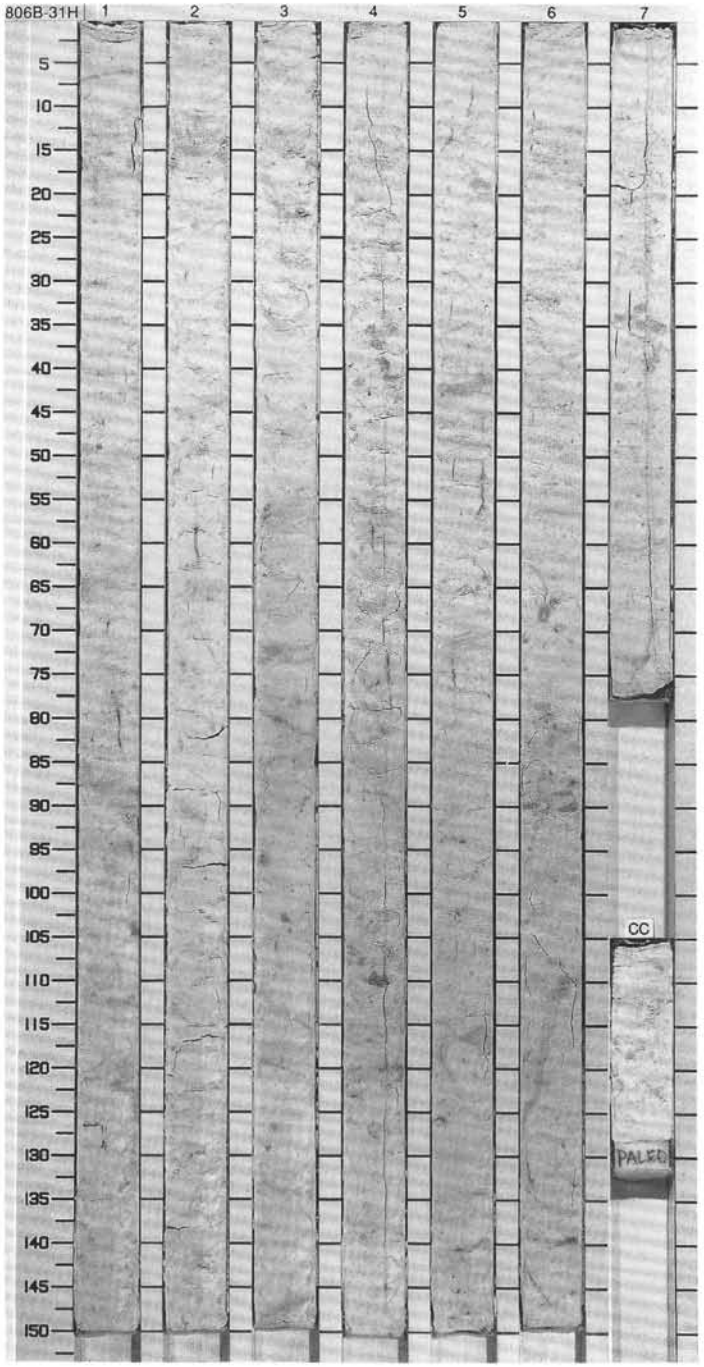
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. It is moderately to heavily bioturbated, with abundant pyrite-filled burrows and frequent light gray (2.5Y 7/2) and pale purple (5P 6/2) burrow mottles. Faint banding is common, with colors of pale purple (5P 6/2), reddish gray (5R 6/1) and pale yellowish green (10GY 7/2). The ooze alternates between stiff and semi-lithified intervals on a scale of several cm. Several microfaults, displacing color bands, were observed in Section 6.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	8
Silt	60
Clay	32
COMPOSITION:	
Diatoms	1
Foraminifers	20
Nannofossils	76
Radiolarians	Tr
Siliceous fragments	3



SITE 806 HOLE B CORE 32H CORED INTERVAL 291.5-301.0 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 MIOCENE	A/G N16	A/M NN10	A/G *Didymocyrtis antepenultima*	A/M NTD 11		V=1618 ϕ=60.2 ρ=1.68 V=1637 ϕ=61.7 ρ=1.66 V=1595 ϕ=63.8 ρ=1.63 V=1603 ϕ=61.5 ρ=1.66	%CaCO3=95.6 %CaCO3=93.7 %CaCO3=93.5 %CaCO3=92.2 %CaCO3=93.5 %CaCO3=93.5 %CaCO3=92.8	1 2 3 4 5 6 7 CC	0.5 1.0				

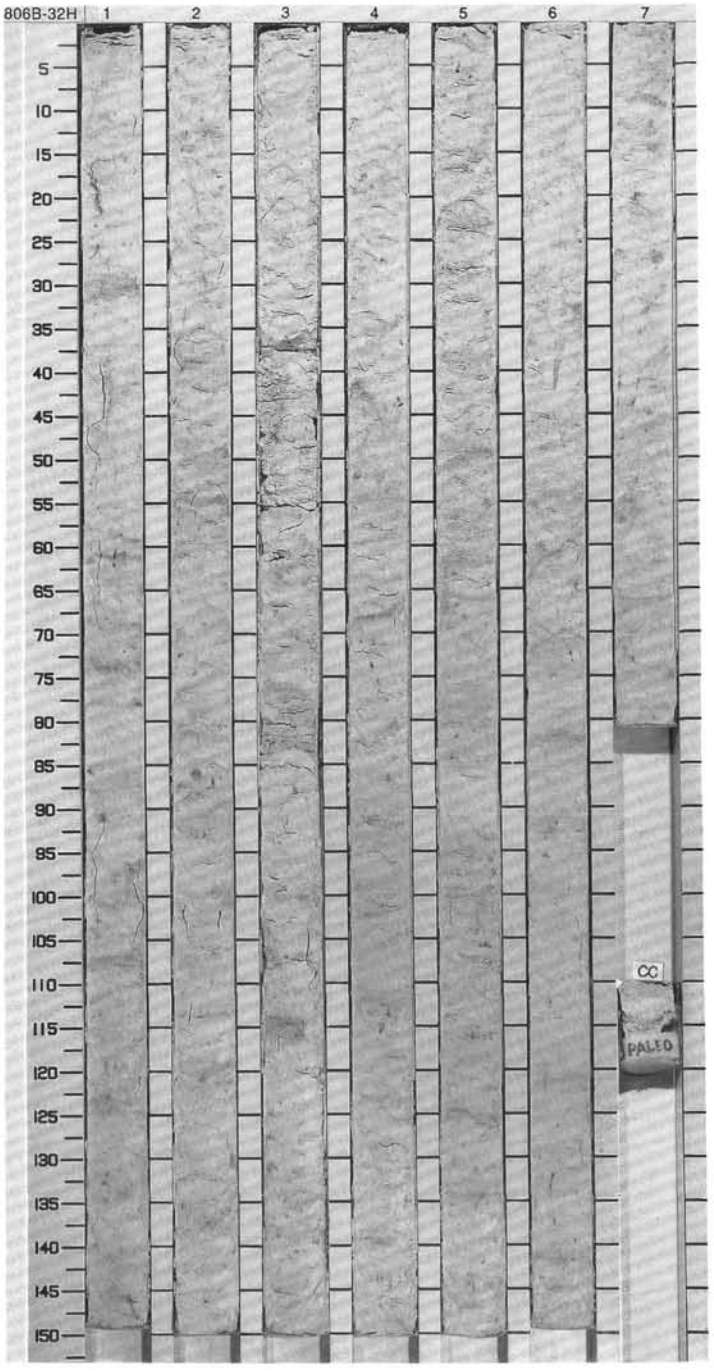
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. It is predominantly white (7.5YR 8/0) with frequent, faint, pale purple (5P 6/2) and pale yellowish green (10GY 7/2) color bands. Bioturbation is moderate to heavy, with mottles and pyritic burrow fills. These mottles are either light gray (2.5Y 7/2) or pale-purple in color. A few burrows in Sections 6 and 7 are up to 5 cm in diameter and up to 10 cm long. The ooze is very stiff to hard, with abundant semi-lithified zones several cm thick.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	5
Silt	50
Clay	45
COMPOSITION:	
Diatoms	3
Foraminifers	20
Nannofossils	73
Radiolarians	1
Siliceous fragments	3



SITE 806 HOLE B CORE 33H CORED INTERVAL 301.0-310.5 mbsf

SITE 806 HOLE B CORE 34H CORED INTERVAL 310.5-320.0 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 MIOCENE	A/M	N16	A	NN10	A/G	*Didymocyrtis antepenultima*	A/M	NTD 10											

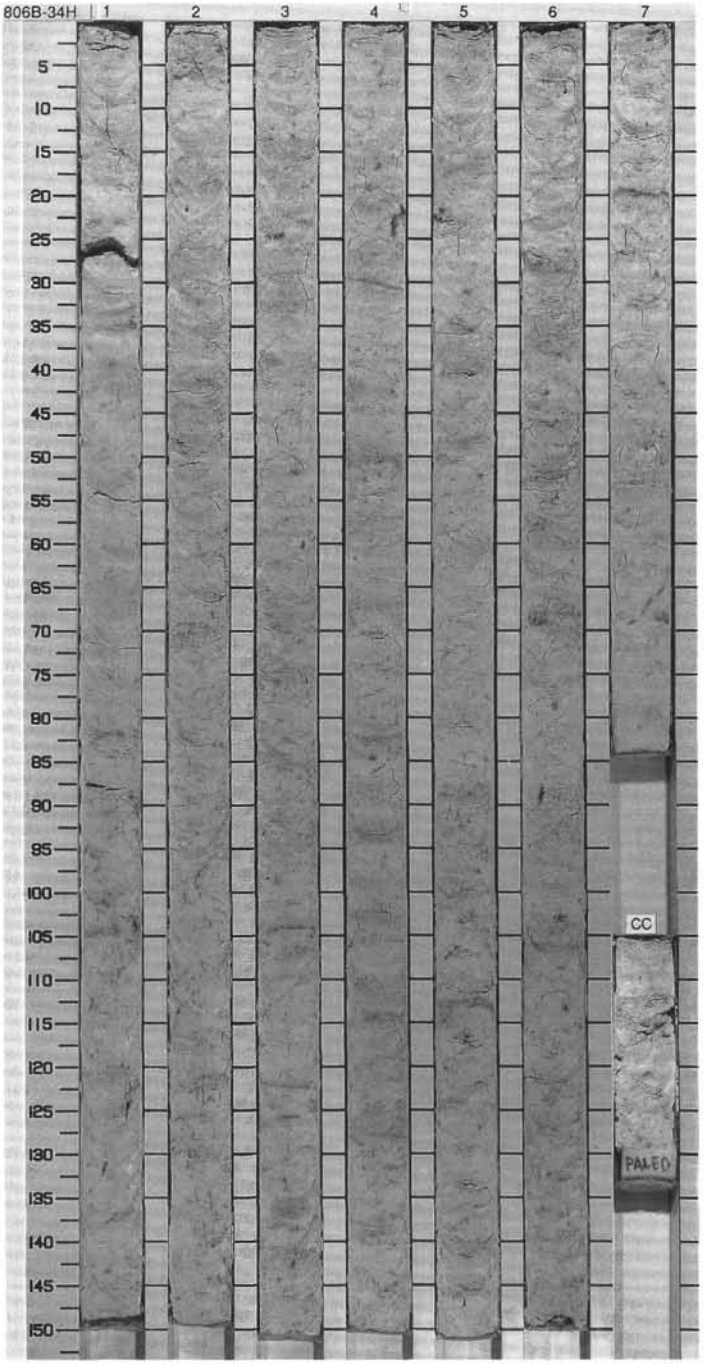
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

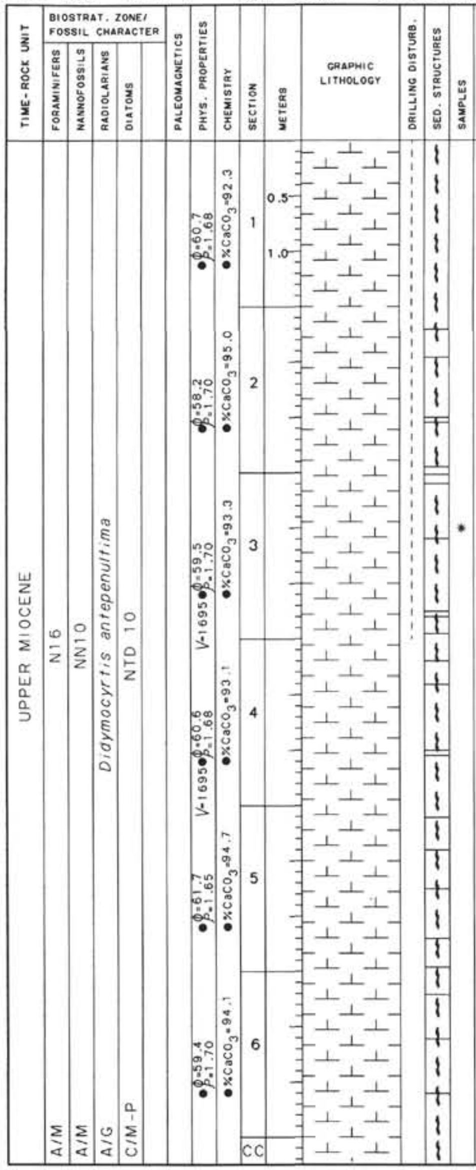
Major lithology: This core consists of NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is stiff and slightly biscuited, with alternating hard and soft intervals. The color is white (2.5Y 8/0) with light gray (5Y 7/1), white (10YR 8/0), dusky blue (5PB 3/2), and grayish blue (5PB 5/2) mottling. Bioturbation is slight to moderate. Faint to diffuse light greenish gray (5G 7/1), grayish blue (5PB 5/2), and pale pink (5RP 8/2) color bands are common.

SMEAR SLIDE SUMMARY (%):

	3, 50 D
TEXTURE:	
Sand	15
Silt	82
Clay	3
COMPOSITION:	
Diatoms	1
Foraminifers	20
Nannofossils	72
Radiolarians	5
Spicules	1



SITE 806 HOLE B CORE 35X CORED INTERVAL 320.0-329.7 mbsf



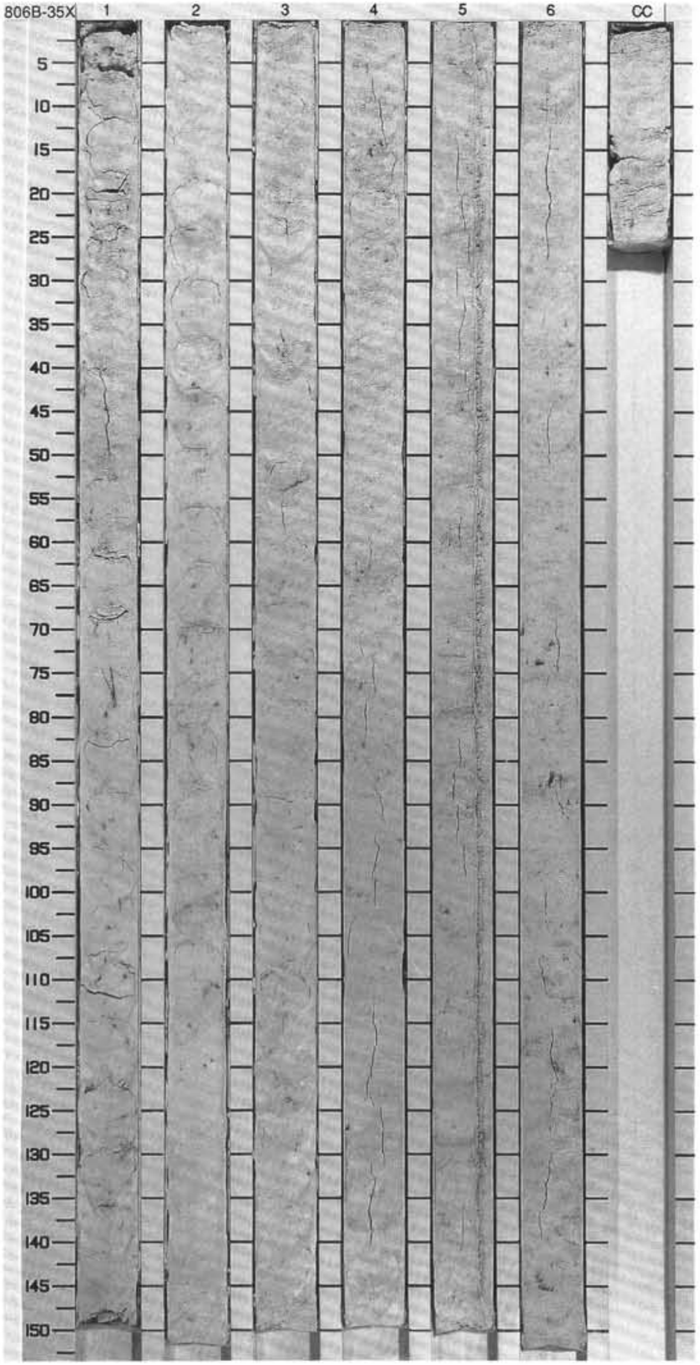
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core consists of NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is stiff and slightly biscuited, with alternating hard and soft intervals. The color is white (2.5Y 8/0), with light gray (5Y 7/1), white (10YR 8/0), dusky blue (5PB 3/2) and grayish blue (5PB 5/2) mottling. Bioturbation is slight. Diffuse light greenish gray (5G 7/1), grayish blue (5PB 5/2), and pale purple (5P 6/2) color bands are common.

SMEAR SLIDE SUMMARY (%):

	3, 50
	D
TEXTURE:	
Sand	12
Silt	60
Clay	28
COMPOSITION:	
Diatoms	Tr
Foraminifers	15
Nannofossils	83
Radiolarians	2
Spicules	Tr



SITE 806 HOLE B CORE 36X CORED INTERVAL 329.7-339.4 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 MIOCENE	A/P N15 - N16	NN9	*Diartus pettersoni*;	A/G A/M-G NTD 9 (*Actinocyclus moronensis*)		ϕ=58.0 ρ=1.72 ϕ=60.3 ρ=1.69 V=1547 ϕ=60.9 ρ=1.66 ϕ=62.1 ρ=1.66 ϕ=58.3 ρ=1.72 ϕ=60.3 ρ=1.68	%$CaCO_3$=84.6 %$CaCO_3$=94.2 %$CaCO_3$=93.4 %$CaCO_3$=94.0 %$CaCO_3$=94.4	1 2 3 4 5 6 7 CC	0.5 1.0			OG IW *	

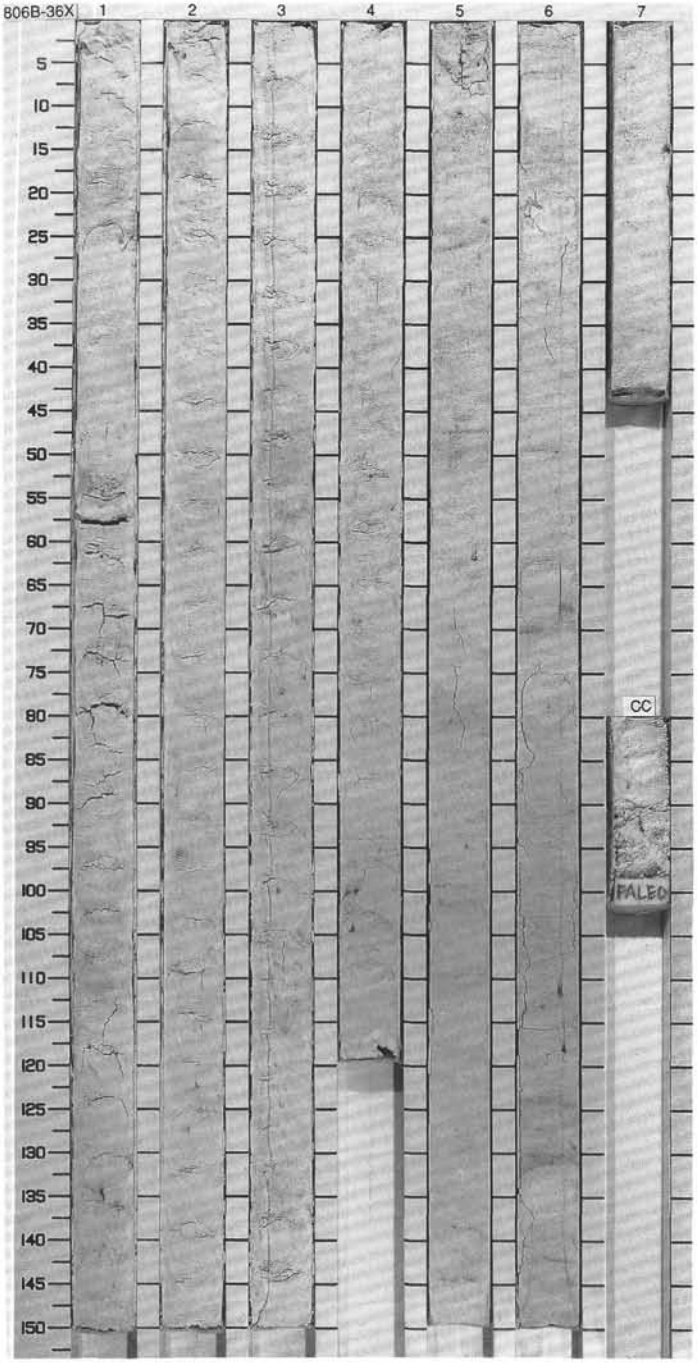
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core consists of NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is stiff and slightly biscuited. The color is white (2.5Y 8/0) with grayish blue (5PB 5/2) mottling. Bioturbation is slight. Diffuse, light greenish gray (5G 7/1), grayish blue (5PB 5/2) and pale pink (5RP 8/2) color bands are common.

SMEAR SLIDE SUMMARY (%):

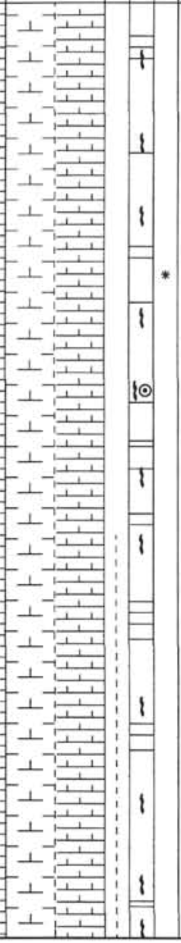
	5, 60 D
TEXTURE:	
Sand	25
Silt	70
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	75
Radiolarians	5



SITE 806 HOLE B CORE 37X CORED INTERVAL 339.4-349.1 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS
UPPER MIOCENE	N15 - N16	NN9	*Diartus petterssoni*	NTD 9					
						V-1559 ● Φ=58.9 ρ=1.71	● %$CaCO_3$=94.1	1	0.5, 1.0
								2	
						● Φ=61.0 ρ=1.66	● %$CaCO_3$=94.3	3	
								4	
						● Φ=63.4 ρ=1.61	● %$CaCO_3$=93.6	5	
	C/P	A	A/G	A/M				6	
								CC	

GRAPHIC LITHOLOGY / DRILLING DISTURB. / SED. STRUCTURES / SAMPLES



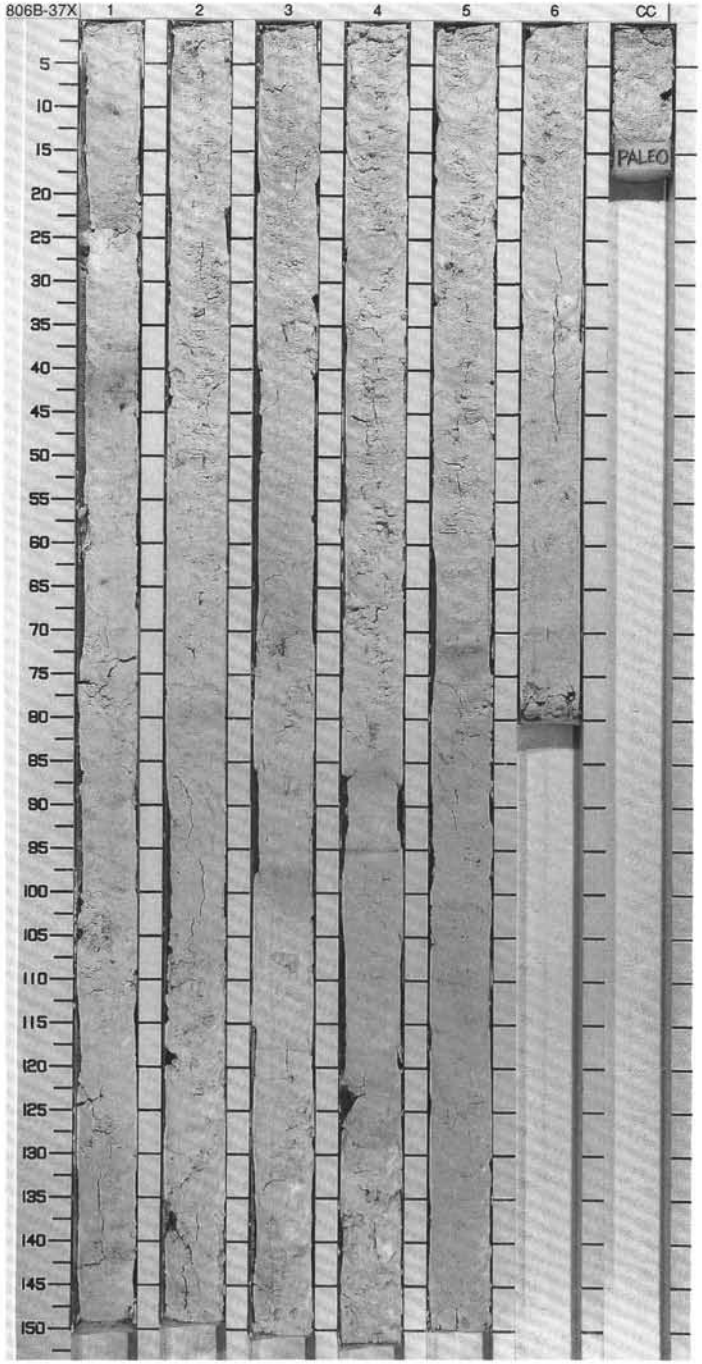
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE/CHALK with FORAMINIFERS

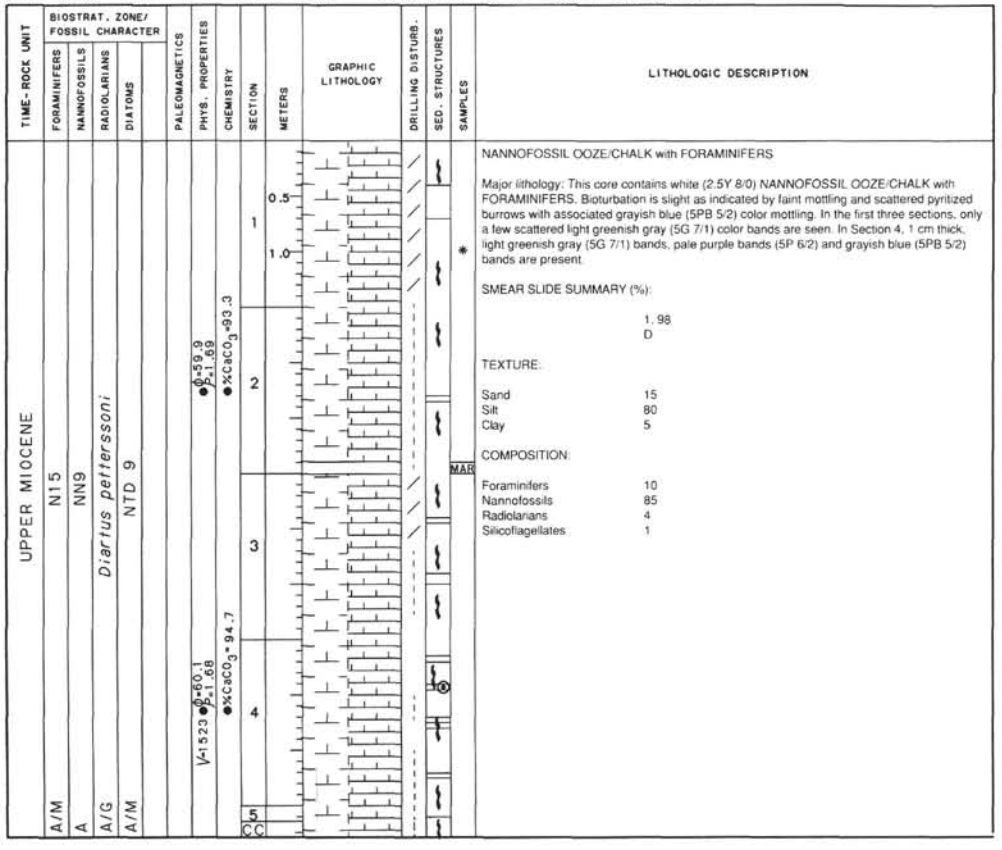
Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE/ CHALK with FORAMINIFERS. The stiffness of the sediment varies on a scale of cm. Slight bioturbation is indicated by faint mottling and individual pyritized burrows with associated pale purple mottling. Pale purple (5P 6/2), 4 cm thick color bands are present every 1.2 to 2 m. Light greenish gray (5G 7/1), 1 cm thick color bands are present in all sections.

SMEAR SLIDE SUMMARY (%):

	2, 96
	D
TEXTURE:	
Sand	20
Silt	75
Clay	5
COMPOSITION:	
Foraminifers	15
Nannofossils	80
Radiolarians	5



SITE 806 HOLE B CORE 38X CORED INTERVAL 349.1-358.8 mbsf

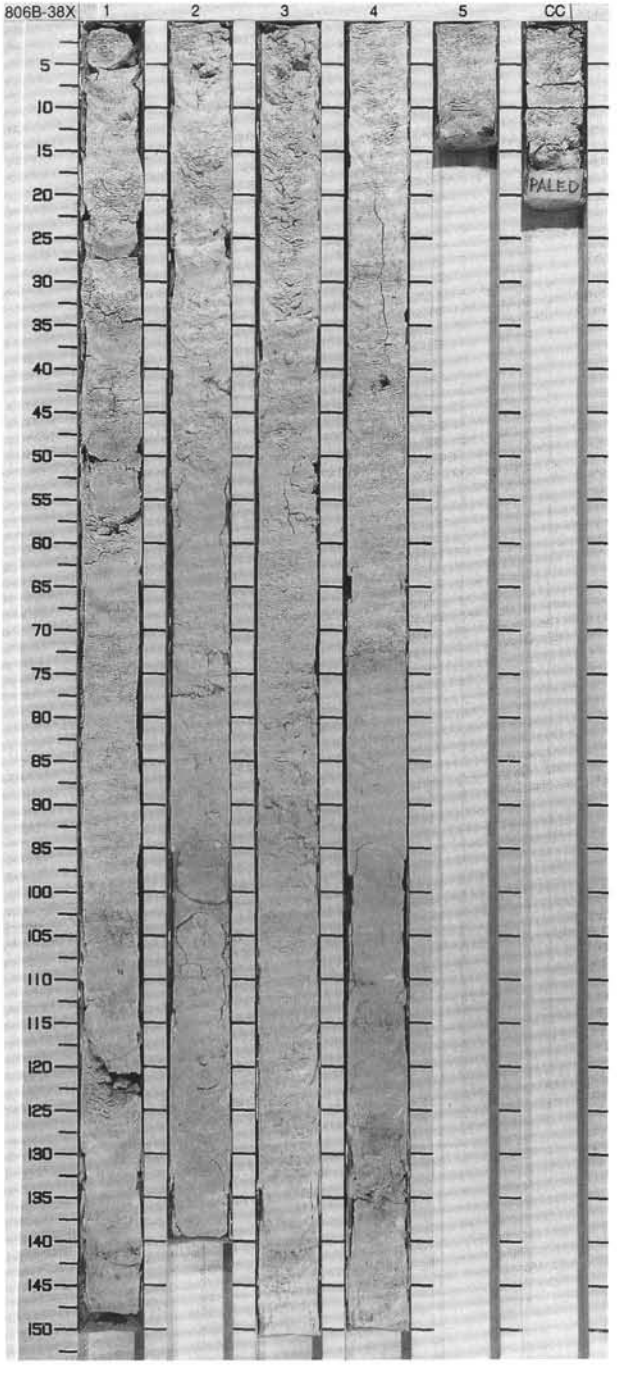


NANNOFOSSIL OOZE/CHALK with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE/CHALK with FORAMINIFERS. Bioturbation is slight as indicated by faint mottling and scattered pyritized burrows with associated grayish blue (5PB 5/2) color mottling. In the first three sections, only a few scattered light greenish gray (5G 7/1) color bands are seen. In Section 4, 1 cm thick, light greenish gray (5G 7/1) bands, pale purple bands (5P 6/2) and grayish blue (5PB 5/2) bands are present.

SMEAR SLIDE SUMMARY (%):

	1, 98 D
TEXTURE:	
Sand	15
Silt	80
Clay	5
COMPOSITION:	
Foraminifers	10
Nannofossils	85
Radiolarians	4
Silicoflagellates	1



SITE 806 HOLE B CORE 39X CORED INTERVAL 358.8-368.5 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
MIDDLE MIOCENE	A/M N14	A/M NN8	A/G *Diartus pettersoni*	C/M-P ?		V=1719 ρb=1.72 V=1637 ρb=1.71 V=1684 ρb=1.71 V=1645 ρb=1.68 ρb=1.75	%$CaCO_3$=94.1 %$CaCO_3$=93.1 %$CaCO_3$=94.2 %$CaCO_3$=94.3	1 2 3 4 5 6 CC	0.5 1.0				OG IW

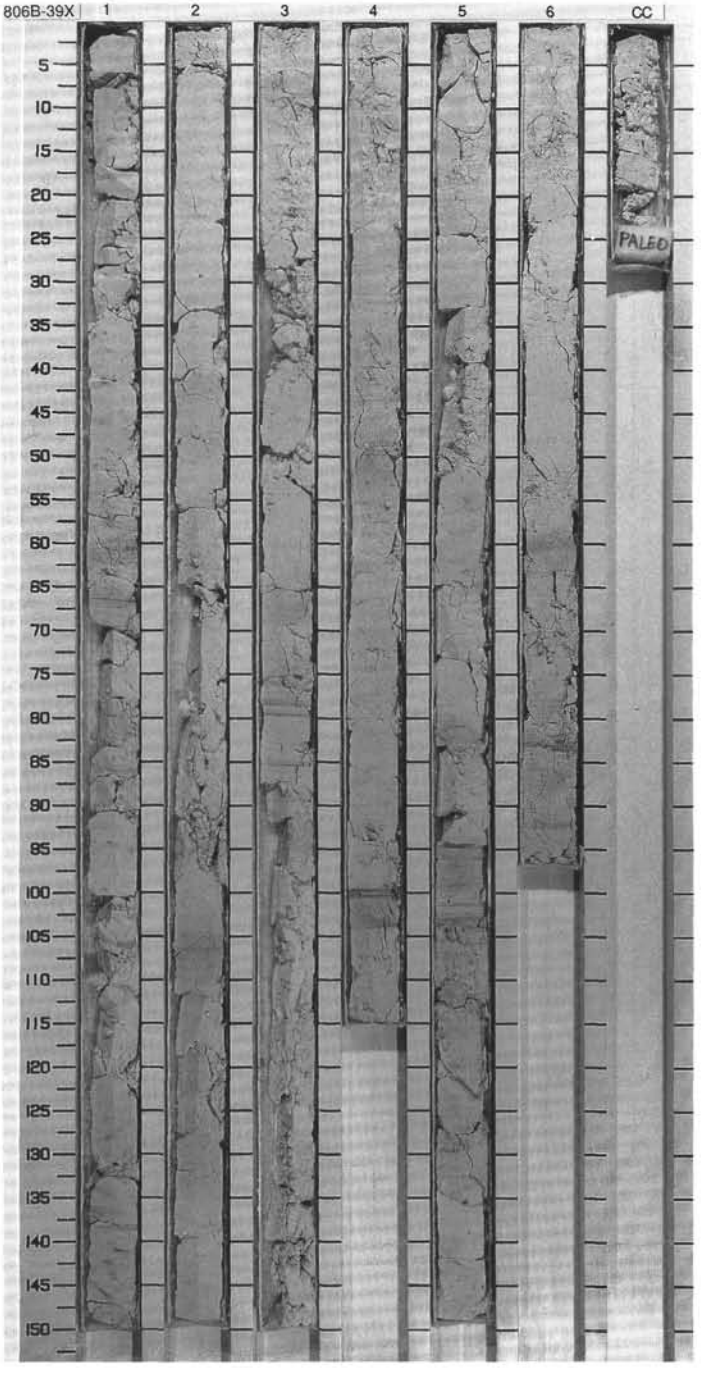
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL CHALK with FORAMINIFERS. The sediment is white (2.5Y 8/0 grading to 5Y 8/1) with pale purple (5P 6/2), 4 to 5 cm thick bands spaced at irregular intervals. The sediment is slightly bioturbated with light gray (2.5Y 7/2) mottled and by pyritized grayish purple (5P 4/2) burrows. Distinct mm size, grayish green (5G 5/2) to light grayish green (5G 7/1), pale purple (5P 6/2) and gray (N6/ to N5/) color bands occur in zones or as single bands.

SMEAR SLIDE SUMMARY (%):

	4,70 D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Foraminifers	14
Nannofossils	85
Radiolarians	Tr
Siliceous fragments	1



SITE 806 HOLE B CORE 40X CORED INTERVAL 368.5-378.2 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MIDDLE MIOCENE	A/M	A/M	A/P	F-C/M-P	V=1618	ϕ=59.2 ρ=1.68	%$CaCO_3$=94.5	1	0.5	VOID	~	~	
	N13 - N14	NN6 - NN7	*Diartus pettersoni*	NTD 9?	V=1551	ϕ=60.2 ρ=1.68	%$CaCO_3$=92.7	1	1.0				
								2					
							%$CaCO_3$=92.5	3					
								4					
								5					
								CC					*

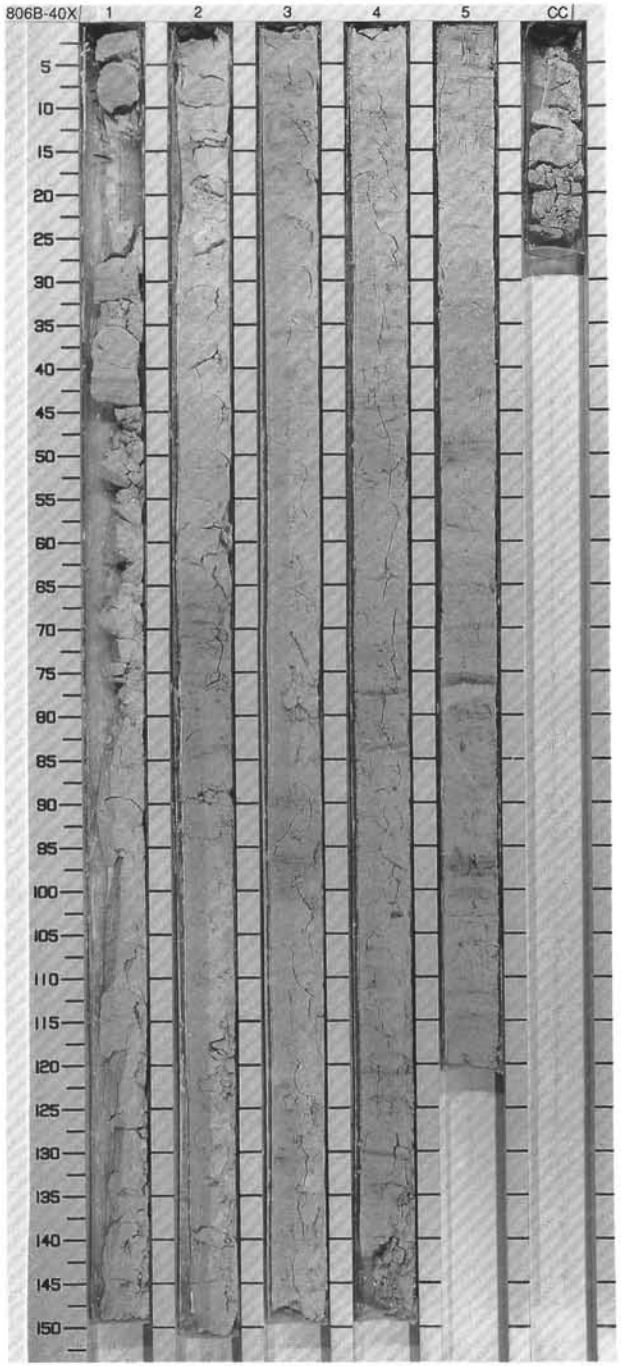
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

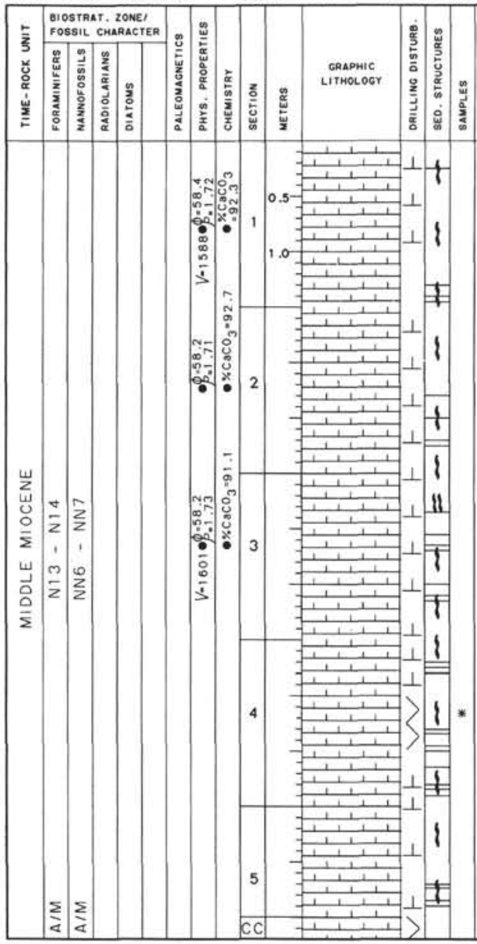
Major lithology: This core contains white (2.5Y 8/0 and 5Y 8/1) NANNOFOSSIL CHALK. The sediment is slightly to moderately bioturbated, with pyritized burrows and white (10YR 8/1) mottles. Millimeter-scale grayish blue (5PB 5/2), pale purple (5P 6/2), greenish gray (5G 6/1) and light greenish gray (5G 7/1) color bands are common.

SMEAR SLIDE SUMMARY (%):

	3, 90 D
TEXTURE:	
Sand	1
Silt	90
Clay	9
COMPOSITION:	
Foraminifers	7
Nannofossils	91
Radiolarians	1
Siliceous fragments	1



SITE 806 HOLE B CORE 41X CORED INTERVAL 378.2-387.9 mbsf



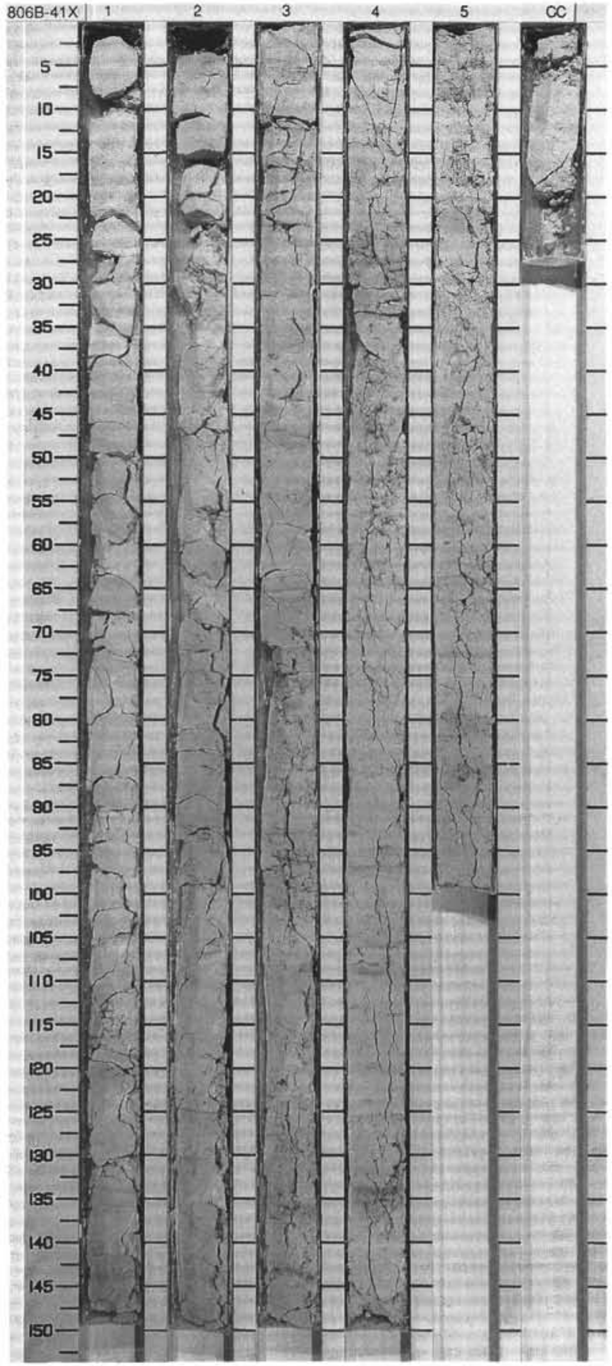
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (5Y 8/1) NANNOFOSSIL CHALK with FORAMINIFERS. The color grades to pale blue (5PB 7/2) or light greenish gray (5G 7/1) over short intervals. The sediment is slightly to heavily bioturbated, with sand-size pyritic burrow fills. Well-defined, mm scale, greenish gray (5G 6/1), light greenish gray (5G 7/1) and grayish blue (5PB 5/2) color bands are present.

SMEAR SLIDE SUMMARY (%):

	4, 67 D
TEXTURE:	
Sand	7
Silt	90
Clay	3
COMPOSITION:	
Foraminifers	15
Nannofossils	82
Radiolarians	1
Siliceous fragments	1
Silicoflagellates	1



SITE 806 HOLE B CORE 42X CORED INTERVAL 387.9-397.5 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MIDDLE MIOCENE	N13 - N14 A/M	NN6 - NN7 A/M	*Diartus petterssoni* A/M	NTD 9? C-A/M-P		V-1598 ● Φ=58.0 ρ=1.73; ● Φ=58.6 ρ=1.71; ● Φ=59.0 ρ=1.70	● %CaCO$_3$ =92.2; ● %CaCO$_3$=94.0; ● %CaCO$_3$=94.2	1, 2, 3, 4, 5, 6, 7, CC	0.5, 1.0				*, OG, IW

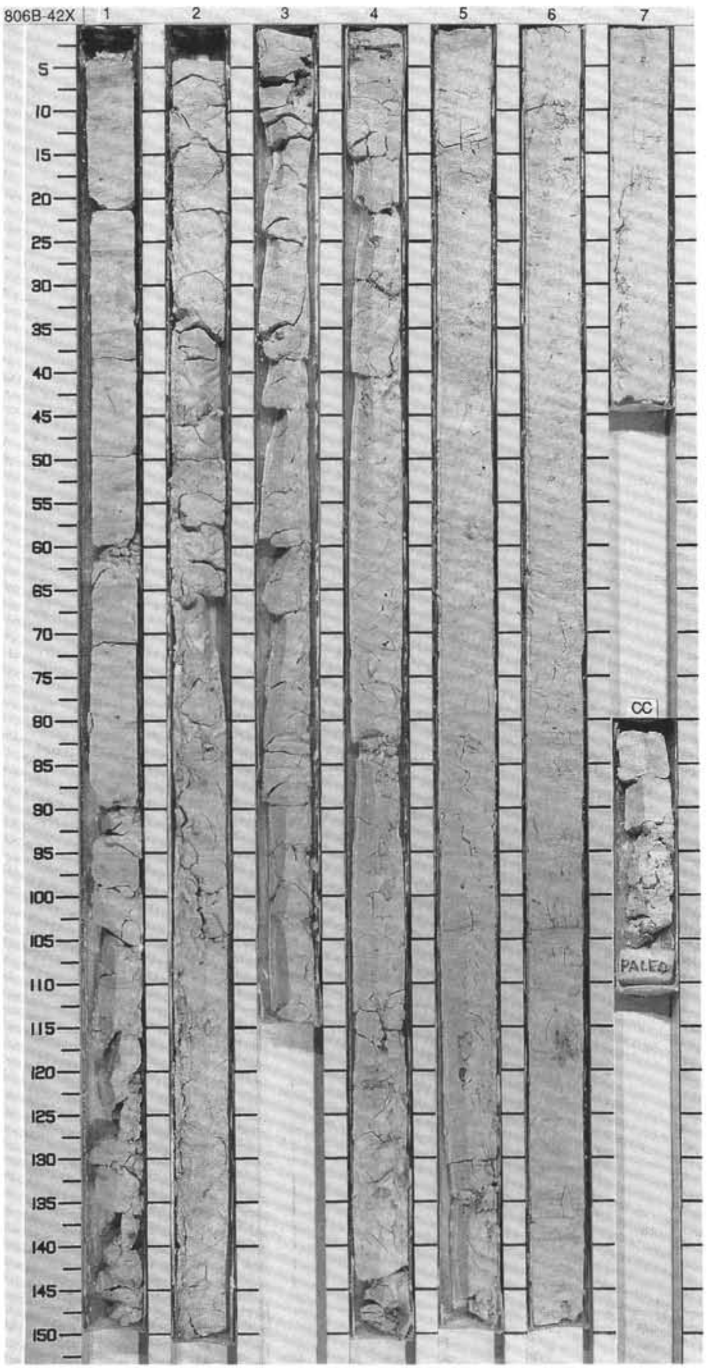
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL CHALK with FORAMINIFERS. The sediment is slightly to moderately bioturbated, with light gray (5Y 7/1) pyritized burrows. Millimeter-size light greenish gray (5G 7/1), light gray (N 6/) and pale purple (5P 6/2) color bands are present throughout the core.

SMEAR SLIDE SUMMARY (%):

	1, 80
	D
TEXTURE:	
Sand	15
Silt	80
Clay	5
COMPOSITION:	
Foraminifers	10
Nannofossils	88
Radiolarians	2
Silicoflagellates	Tr



SITE 806 HOLE B CORE 43X CORED INTERVAL 397.5-407.2 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	N13 - N14	A/M	NN6 - NN7	C/M-P	NTD 8 (*Craspedodiscus coscinodiscus*)							

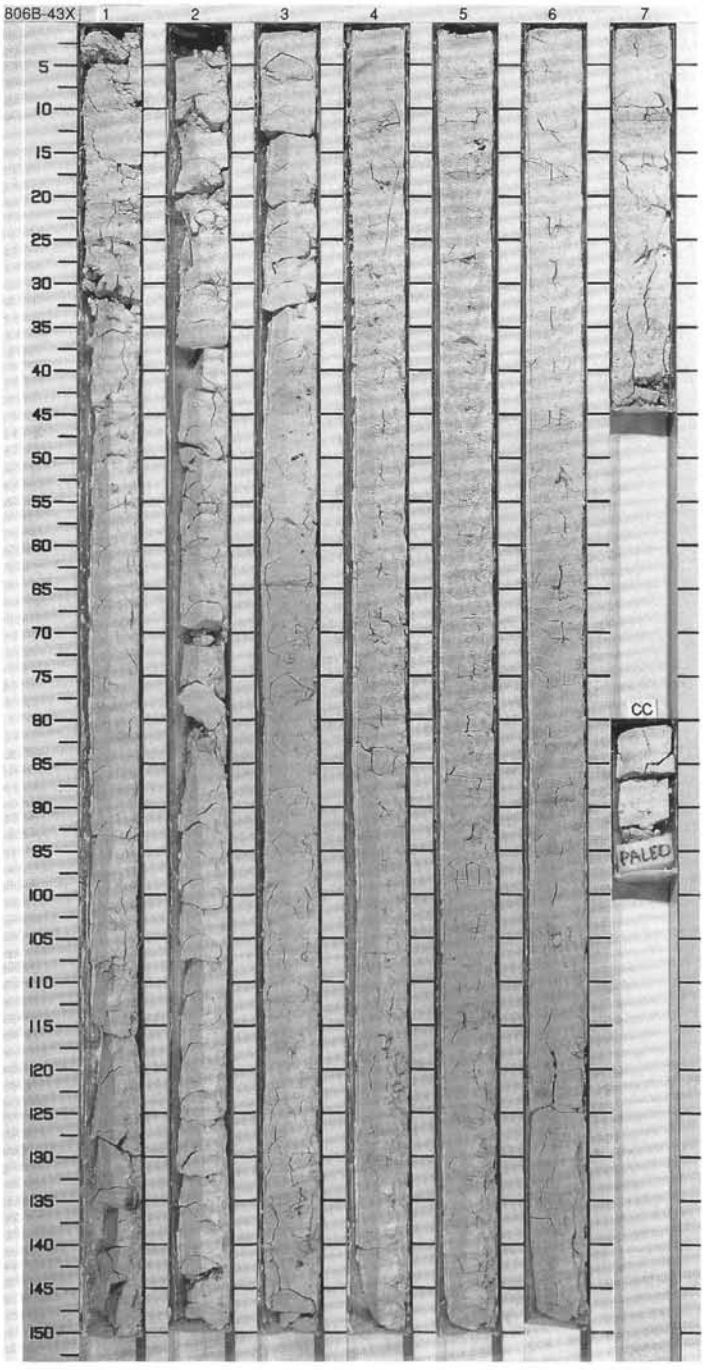
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. The sediment is slightly to moderately bioturbated, with light gray (5Y 7/1) pyritized burrows. Millimeter-size, light greenish gray (5G 7/1), light gray (N 6/), grayish blue (5PB 5/2) and pale purple (5P 6/2) color bands are common throughout the core.

SMEAR SLIDE SUMMARY (%):

	1, 80 D
TEXTURE:	
Sand	20
Silt	75
Clay	5
COMPOSITION:	
Foraminifers	17
Nannofossils	80
Radiolarians	3



SITE 806 HOLE B CORE 44X CORED INTERVAL 407.2-416.9 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
MIDDLE MIOCENE	A/M	A/M	A/G	A/M				1	0.5				
	N12	NN6 - NN7	*Dorcadospyris alata*	NTD 8 - NTD 7					1.0				
						V-16559 D-59.8 P-1.68	%$CaCO_3$ =91.3						
						V-18639 D-58.2 P-1.71	%$CaCO_3$=91.2	2					
						V-16129 D-52.8 P-1.80	%$CaCO_3$=91.5	3					*
						D-58.0 P-1.71	%$CaCO_3$=92.6	4					
					V-17119 D-57.3 P-1.73		%$CaCO_3$=92.0	5					
								6					
								7					
								CC			X		

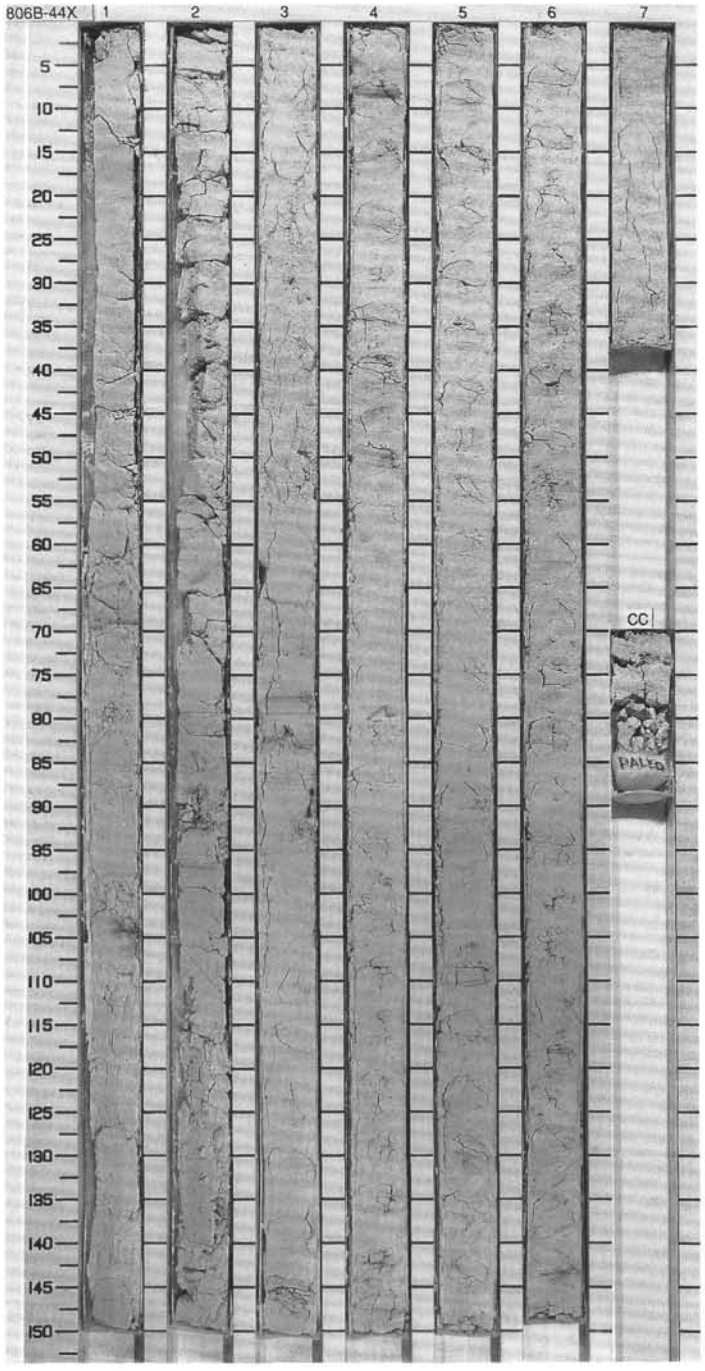
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (5Y 8/1) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. The sediment is slightly mottled due to biolurbation, and single pyritized burrows are seen. Millimeter-size light greenish gray (5G 7/1), light gray (N 5/) and pale purple (5P 6/2) color bands are visible.

SMEAR SLIDE SUMMARY (%):

	3, 46 D
TEXTURE:	
Sand	15
Silt	82
Clay	3
COMPOSITION	
Foraminifers	20
Nannofossils	77
Radiolarians	2
Spicules	1



SITE 806 HOLE B CORE 45X CORED INTERVAL 416.9-426.5 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
MIDDLE MIOCENE	N12	NN6				ϕ=60.7 ρ=1.66 V=1611 ϕ=59.1 ρ=1.70 ϕ=58.9 ρ=1.70 ϕ=58.1 ρ=1.71	%CaCO3=92.3 %CaCO3=92.4 %CaCO3=92.7 %CaCO3=92.5	1 2 3 4 5 6 CC	0.5 1.0			*	OG IW

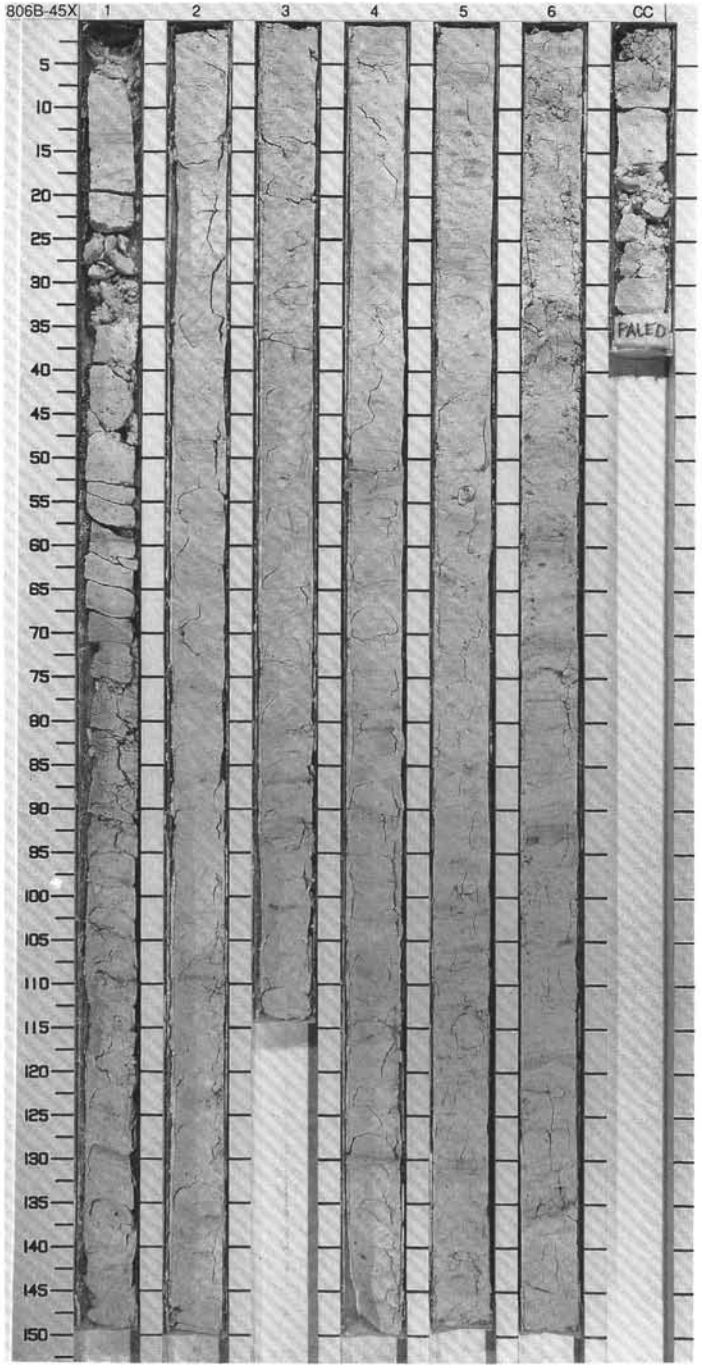
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. The sediment is slightly to moderately bioturbated as reflected by cm scale, light gray (5Y 7/2) and grayish blue (5PB 5/2) mottling and mm scale pyritic burrow fills. Several large (5 to 10 cm in diameter) grayish blue (5PB 5/2) burrow "halos" are seen. Faint to well-defined color bands, light greenish gray (5G 7/1) to gray (N6/) and diffuse grayish blue (5G 7/1) in color, are common throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 78 D
TEXTURE:	
Sand	40
Silt	55
Clay	5
COMPOSITION:	
Foraminifers	35
Nannofossils	60
Radiolarians	5



SITE 806 HOLE B CORE 46X CORED INTERVAL 426.5-436.1 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 MIOCENE	A/M	N12	A/M	NN6	A/G	*Dorcadospyris alata*	A/M	top NTD 6? (*Coscinodiscus lewisianus*)					

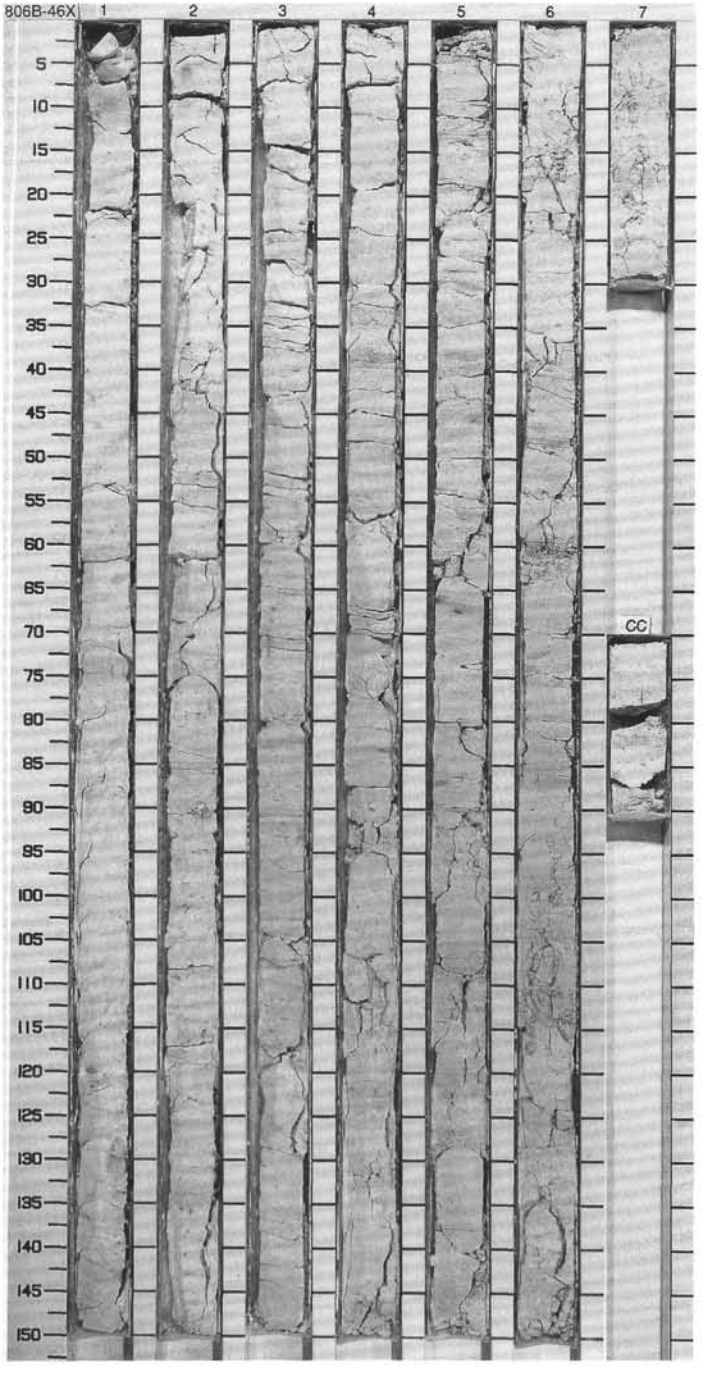
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. The sediment is slightly to moderately bioturbated as reflected by light gray (5Y 7/2), cm scale mottles and grayish blue (5PB 5/2), cm scale and mm scale mottles and pyritic burrow fills. Well-developed *Zoophycos* trace fossils are seen, as well as several grayish blue (5PB 5/2) burrow "halos". Diffuse light greenish gray (5G 7/1) and pale purple (5P 6/2) color bands are present throughout the core.

SMEAR SLIDE SUMMARY (%):

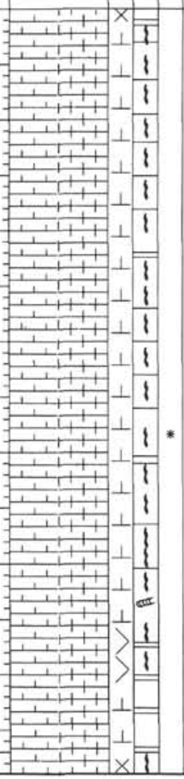
	4, 70 D
TEXTURE:	
Sand	35
Silt	60
Clay	5
COMPOSITION:	
Foraminifers	25
Nannofossils	70
Radiolarians	4
Silicoflagellates	1



SITE 806 HOLE B CORE 47X CORED INTERVAL 436.1-445.8 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION
MIDDLE MIOCENE	N11 - N12	NN6		top NTD 6?		● Φ=59.1 ρ=1.70	● %CaCO$_3$ =90.5	1
								2
						● Φ=58.8 ρ=1.69	● %CaCO$_3$=91.8	3
						● Φ=56.8 ρ=1.73	● %CaCO$_3$=91.5	4
								5
	A/M	A/M		A/M				CC

METERS: 0.5, 1.0



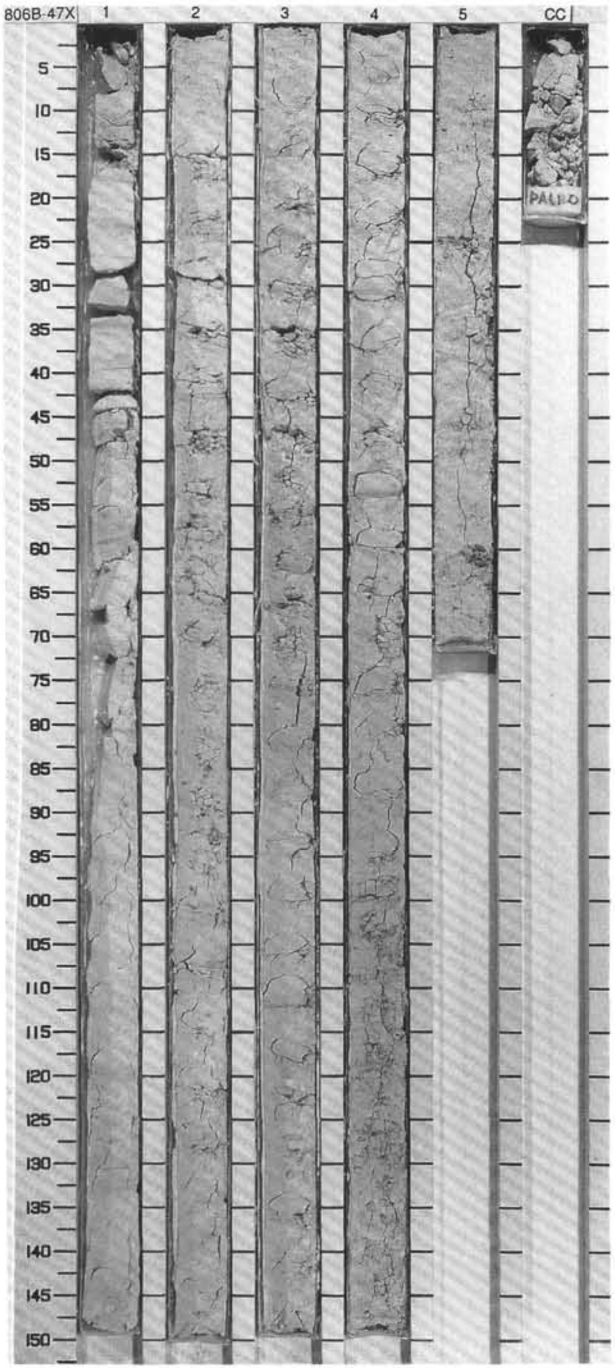
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (2.5Y 8/0 to 10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. Slight to moderate bioturbation is indicated by light gray (2.5Y 7/2 to 10YR 7/1) mottling, mm scale pyritic burrow fills and well-developed *Zoophycos* trace fossils. Millimeter to cm size, diffuse light greenish gray (5G 7/1), and grayish blue (5PB 5/2) color bands occur in intervals about 5 to 10 cm thick.

SMEAR SLIDE SUMMARY (%):

	3, 93 D
TEXTURE:	
Sand	30
Silt	65
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	74
Radiolarians	4
Silicoflagellates	2



SITE 806 HOLE B CORE 48X CORED INTERVAL 445.8-455.5 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
MIDDLE MIOCENE	A/M N11 - N12	A/M NN6	A/M *Dorcadospyris alata*	A/M NTD 6		▽=1719 Φ=59.7 ρ=1.67	%CaCO3 ●=89.0	1	0.5				
									1.0				
								2					
								3				*	
								4					CC LW
								5					
								6					
								7					
								CC					

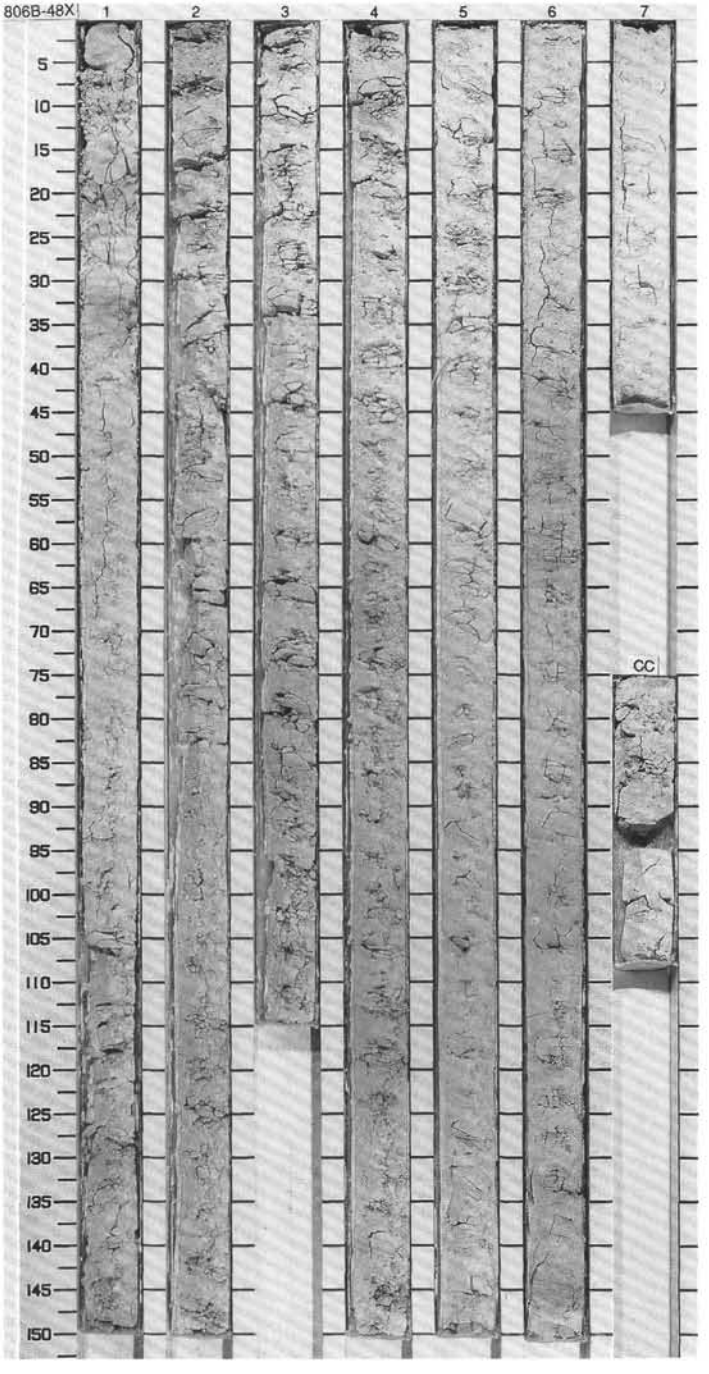
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. It is slightly to moderately bioturbated with cm scale, light gray mottles and some pyrite infilling of burrows. Faint to distinct, mm scale, greenish gray (5G 6/1) color banding is common only in specific intervals throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Diatoms	2
Foraminifers	25
Nannofossils	70
Radiolarians	Tr
Siliceous fragments	3



SITE 806 HOLE B CORE 49X CORED INTERVAL 455.0-463.6 mbsf

MIDDLE MIOCENE

A/G N11 - N12

A/M NN6

A/M NTD 6

TIME-ROCK UNIT

BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS; NANNOFOSSILS; RADIOLARIANS; DIATOMS

PALEOMAGNETICS

PHYS. PROPERTIES: V=1769 Φ=58.0 ρ=1.70; V=1760 Φ=56.9 ρ=1.74; V=1735 Φ=59.6 ρ=1.69

CHEMISTRY: %CaCO3=94.2; %CaCO3=92.8; %CaCO3=90.9

SECTION: CC, 7, 6, 5, 4, 3, 2, 1

METERS: 1.0, 0.5

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

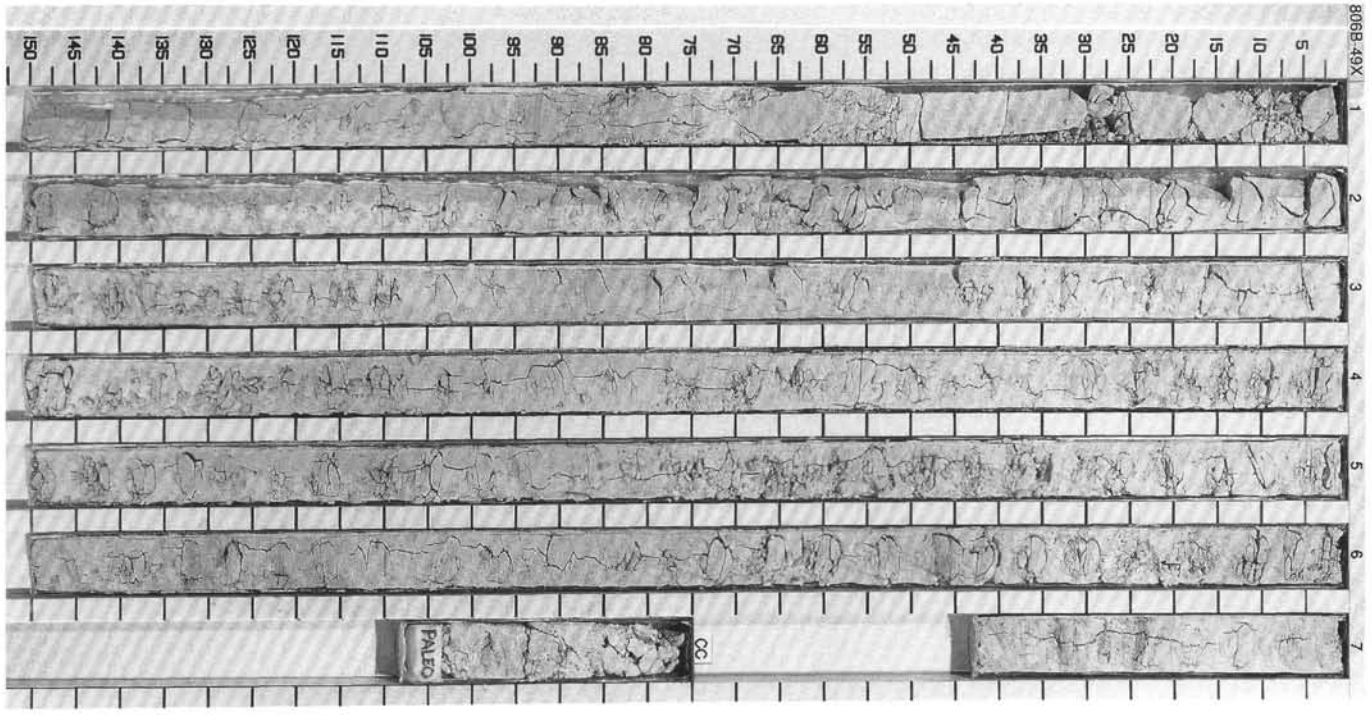
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. It is predominantly white (7.5YR 8/0) with distinct greenish gray (5GY 7/2) color bands. A few light gray (2.5Y 7/2) to light brownish gray (2.5Y 6/2) burrows were noted. Some pyritization streaks were also observed.

SMEAR SLIDE SUMMARY (%):

	3, 74	D
TEXTURE:		
Sand	10	
Silt	60	
Clay	30	
COMPOSITION:		
Accessory minerals	2	
Diatoms	Tr	
Foraminifers	18	
Nannofossils	77	
Radiolarians	Tr	
Siliceous fragments	3	



SITE 806 HOLE B CORE 50X CORED INTERVAL 463.6-473.3 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 MIOCENE	A/M N11	A/M NN6	A/G *Dorcadospyris alata*	A/M NTD 6		● ϕ=56.8 ρ_s=1.72	● $\%CaCO_3$=93.3	1	0.5				
									1.0				
						● ϕ=55.0 ρ_s=1.74	● $\%CaCO_3$=90.3	2					
					● ϕ=58.1 ρ_s=1.72 V=1677		● $\%CaCO_3$=91.2	3					*
								4					
								5					
								6					
								CC					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. Numerous borrows and mottles indicate significant bioturbation. Many drilling biscuits contain 1 mm thick, subhorizontal bands, light greenish gray (5GY 7/1) and, to a lesser extent, pale purple (5P 6/2) in color. The biscuits are spaced at 5 to 10 cm intervals. The top of Section 1 contains calcite concretion, which probably represents a burrow -fill.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	15
Silt	50
Clay	35
COMPOSITION:	
Diatoms	3
Foraminifers	25
Nannofossils	68
Radiolarians	1
Siliceous fragments	3

SITE 806 HOLE B CORE 51X CORED INTERVAL 473.3-482.6 mbsf

Field	Entry
TIME-ROCK UNIT	MIDDLE MIOCENE
BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS	N11 (A/M)
BIOSTRAT. ZONE/FOSSIL CHARACTER: NANNOFOSSILS	NN4 - NN5 (A/M)
BIOSTRAT. ZONE/FOSSIL CHARACTER: RADIOLARIANS	
BIOSTRAT. ZONE/FOSSIL CHARACTER: DIATOMS	NTD 6 (A/M)
PALEOMAGNETICS	
PHYS. PROPERTIES	Section 1: V=1691 ● Φ=56.4 ρ=1.75; Section 2: ● Φ=54.8 ρ=1.78
CHEMISTRY	Section 1: ● %CaCO3 =95.3; Section 2: ● %CaCO3=91.6
SECTION	1, 2, 3, 4, 5, 6, 7, CC
METERS	0.5, 1.0
SAMPLES	* (Section 3)

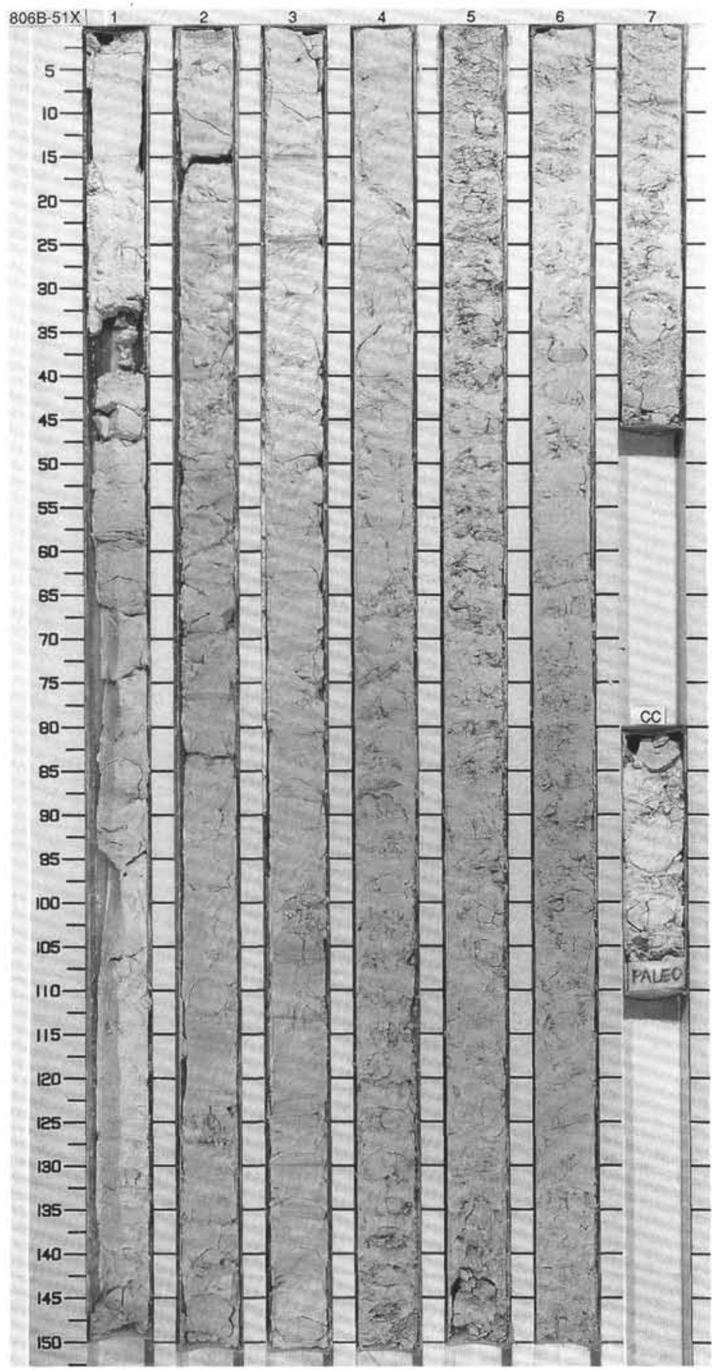
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. Many biscuits contain 1 mm thick, sub-horizontal bands, light greenish gray (5GY 7/1) and, to a lesser extent, pale purple (5P 6/2) in color. In some instances, the color bands are cross-cutting. Biscuits are spaced at 5 to 10 cm intervals. Numerous borrows, *Zoophycos* trace fossils, and mottles indicate significant bioturbation.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	15
Silt	60
Clay	25
COMPOSITION:	
Diatoms	Tr
Foraminifers	20
Nannofossils	76
Radiolarians	Tr
Siliceous fragments	



SITE 806 HOLE B CORE 52X CORED INTERVAL 482.6-492.3 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 MIOCENE	N10 A/M	NN4 - NN5 A/P	*Dorcadospyris alata* A/M	NTD 6? F-C/P-M		V=1856 Φ=56.2 ρ=1.75; V=1793 Φ=56.4 ρ=1.75; V=1728 Φ=55.5 ρ=1.76; V=1825 Φ=57.9 ρ=1.71	%CaCO3=92.9; %CaCO3=94.0; %CaCO3=93.5; %CaCO3=92.7	1, 2, 3, 4, 5, CC	0.5, 1.0				*, *, OG, IW

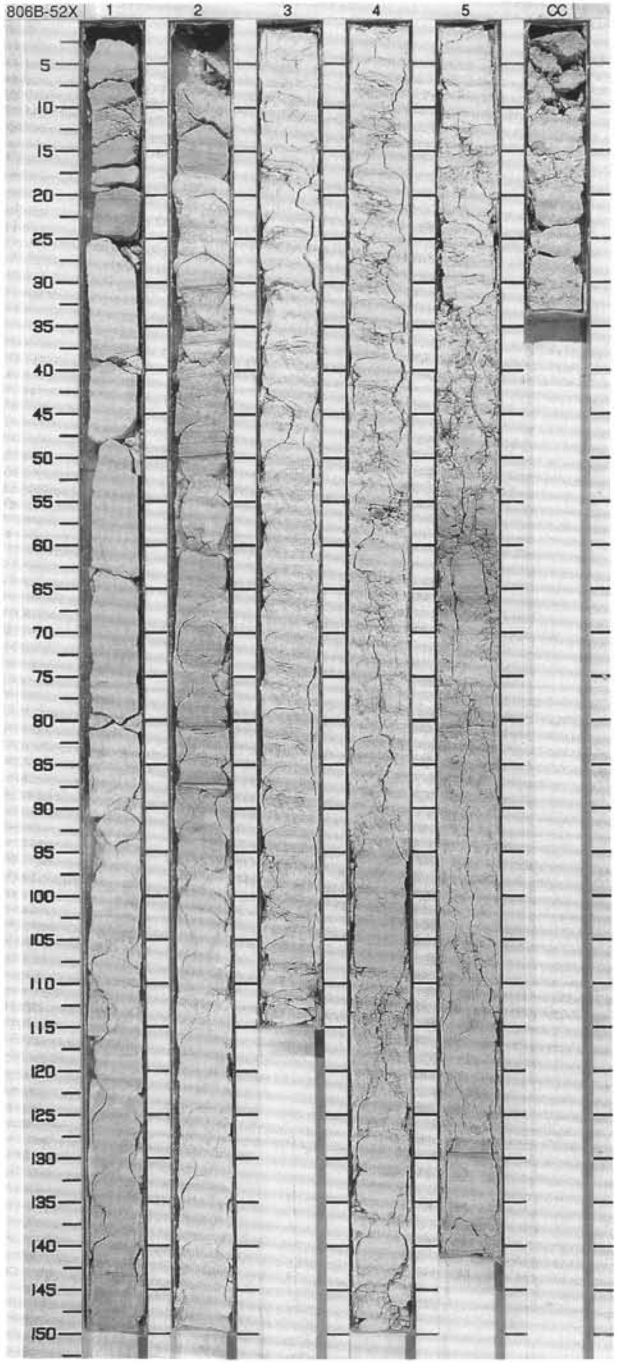
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains nearly equal proportions of white (7.5YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. From Section 2, 93 cm, through Section 5, 50 cm, the chalk is uniformly white. Above and below this interval, 10 to 15 cm thick, faint pale purple (5P 6/2) bands are separated by white intervals. The purplish bands contain 1 mm thick, sub-horizontal, light greenish gray (5GY 7/1) and pale purple (5P 6/2) color bands. Numerous burrows, *Zoophycos* trace fossils, and mottles indicate significant bioturbation.

SMEAR SLIDE SUMMARY (%):

	1, 48 M	1, 134 D
TEXTURE:		
Sand	15	30
Silt	60	50
Clay	25	20
COMPOSITION:		
Foraminifers	20	40
Nannofossils	80	60
Radiolarians	Tr	—
Siliceous sponge spicules	—	Tr



SITE 806 HOLE B CORE 53X CORED INTERVAL 492.3-501.9 mbsf

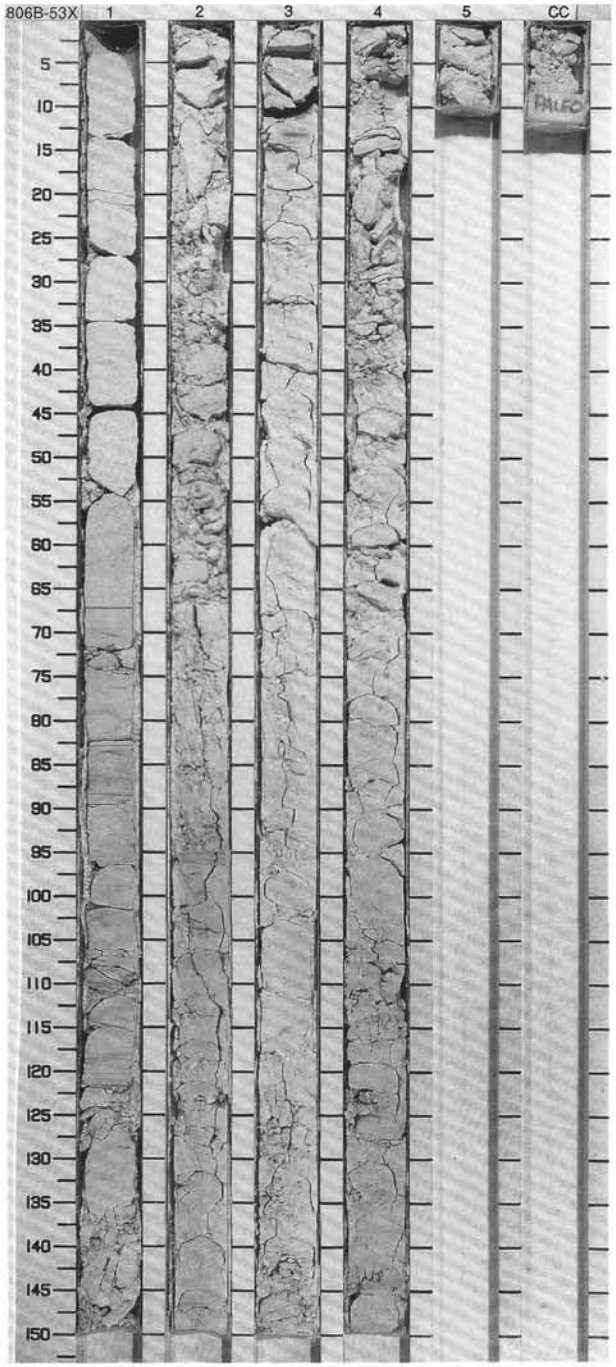
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
MIDDLE MIOCENE	A/M	A/M		C/P		ϕ=56.3 ρ_s=1.75	%$CaCO_3$=95.2	1 2 3 4 5 CC	0.5 1.0		X			NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

N10
NN4 - NN5
?

Major lithology: This core contains subequal amounts of NANNOFOSSIL CHALK with FORAMINIFERS and FORAMINIFER NANNOFOSSIL CHALK. The sediment is predominantly white (7.5YR 8/0) and contacts between sediment types are gradational. The coarser foraminifer nannofossil chalk tends to be softer and more prone to drilling disturbance. A few intervals contain very fine, distinct grayish green (10GY 5/2) color banding. Mottles and distinct burrows are common.

SMEAR SLIDE SUMMARY (%):

	2, 64 D
TEXTURE:	
Sand	12
Silt	60
Clay	28
COMPOSITION:	
Accessory minerals	2
Foraminifers	12
Nannofossils	83
Siliceous fragments	3



SITE 806 HOLE B CORE 54X CORED INTERVAL 501.9-511.6 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
MIDDLE MIOCENE	A/G	N10				V=1764 Φ=56.5 ρ=1.76	%CaCO3 =93.03	1	0.5				
	A/M	NN4 - NN5							1.0				
	A/M		*Dorcadospyris alata*					2					
	A/M			NTD 5a (*Cestodiscus peplum*)		V=1645 Φ=55.0 ρ=1.77	%CaCO3=93.0	3					*
								4					
								5					OG
													LW
								6					
								7					
								CC					

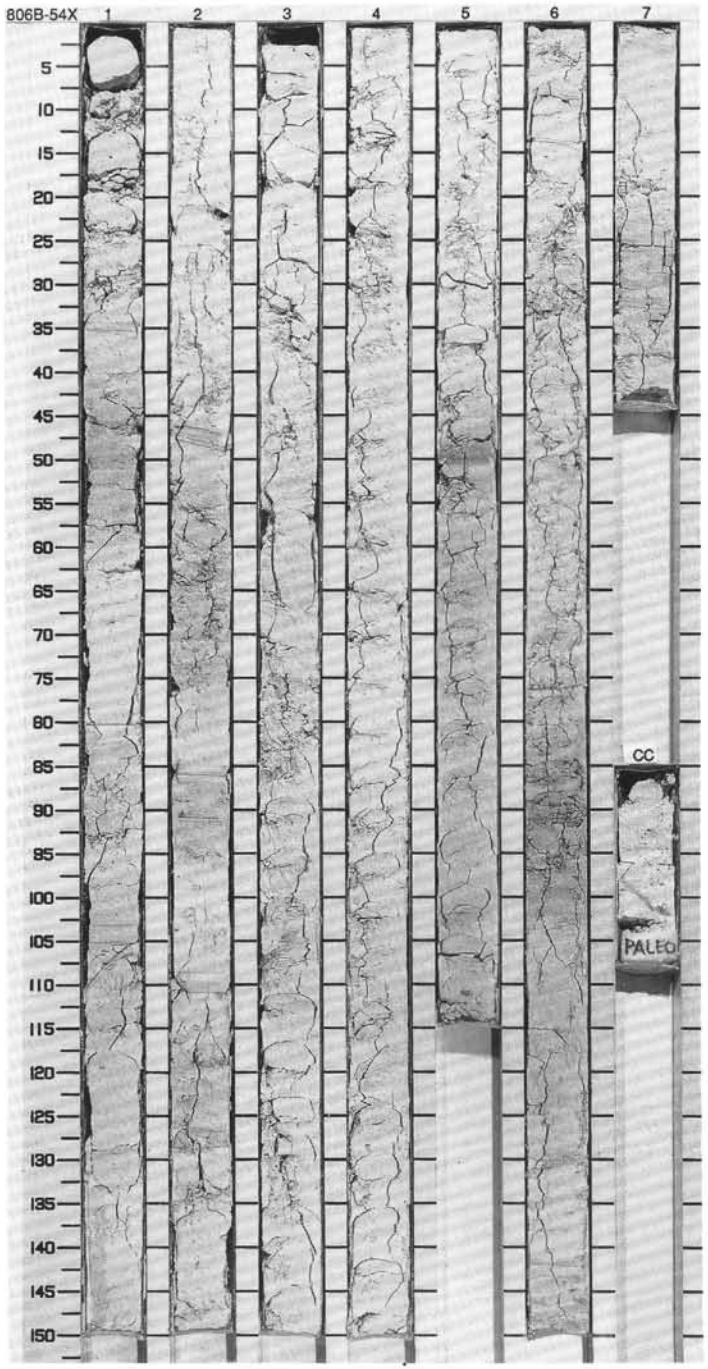
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains subequal amounts of FORAMINIFER NANNOFOSSIL CHALK and NANNOFOSSIL CHALK with FORAMINIFERS. Contacts between the sediment types are gradational. The predominant color is white (7.5YR 8/0), with 20 to 50 cm thick, pale pink (5RP 8/2) intervals in Sections 1 and 5. Bioturbation is slight to moderate as indicated by a few pyritized or disseminated burrow fills. Distinct, mm thick, greenish gray (5G 7/1) and pale purple (5P 6/2) color bands are common in Sections 1, 2, 5, 6 and 7. A small (1 cm in diameter) calcite concretion is found at the bottom of Section 5. Severe drilling disturbance has resulted in heavily fragmented biscuits embedded in a stiff ooze matrix.

SMEAR SLIDE SUMMARY (%):

	3, 89 D
TEXTURE:	
Sand	12
Silt	55
Clay	33
COMPOSITION:	
Accessory minerals	1
Foraminifers	15
Nannofossils	81
Siliceous fragments	3



SITE 806 HOLE B CORE 55X CORED INTERVAL 511.6-521.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER
MIDDLE MIOCENE	
FORAMINIFERS: A/M ?	
NANNOFOSSILS: A/M NN4 - NN5	
RADIOLARIANS	
DIATOMS: C/M NTD 5	
PALEOMAGNETICS	
PHYS. PROPERTIES: ϕ=56.2, ρ=1.75; ϕ=55.0, ρ=1.78; V=1719, ϕ=54.9, ρ=1.76; V=1740, ϕ=50.7, ρ=1.83	
CHEMISTRY: %$CaCO_3$=95.2; %$CaCO_3$=94.5; %$CaCO_3$=95.6; %$CaCO_3$=88.4	
SECTION: CC, 7, 6, 5, 4, 3, 2, 1	
METERS: 1.0, 0.5	
GRAPHIC LITHOLOGY	
DRILLING DISTURB.	
SED. STRUCTURES	
SAMPLES	

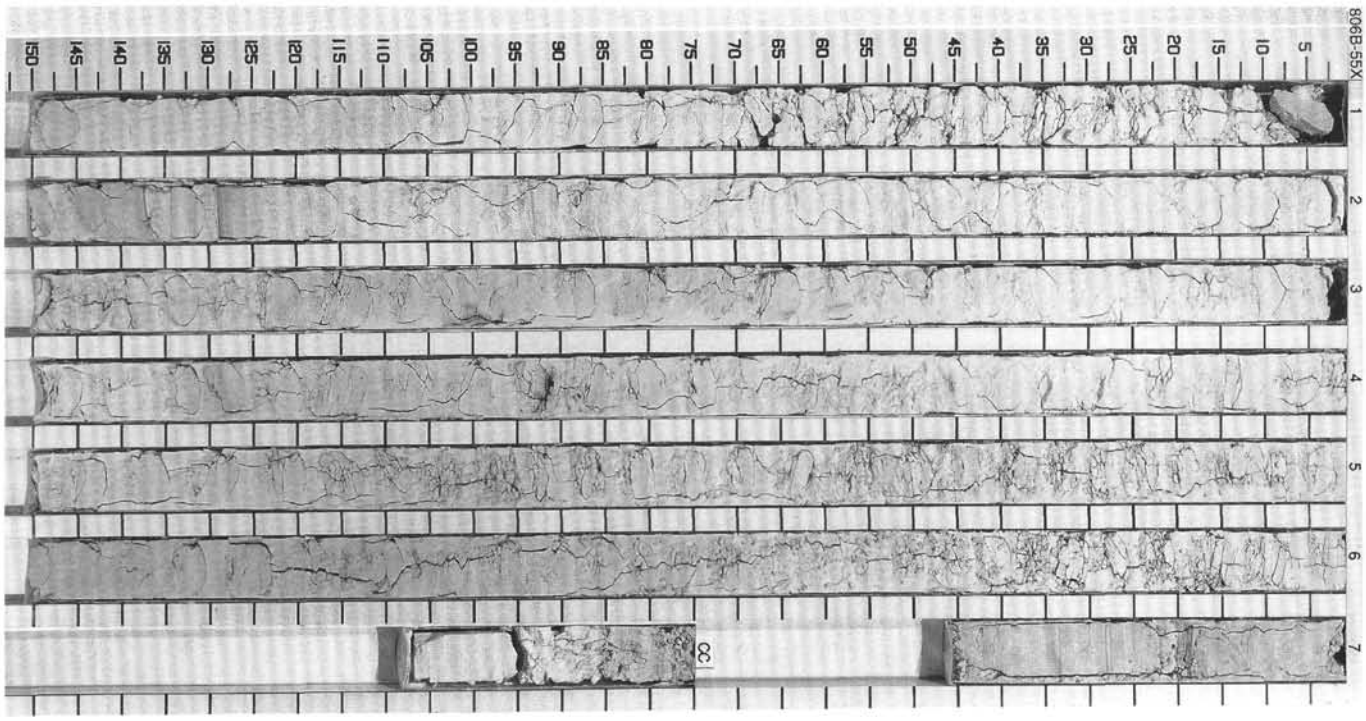
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains subequal amounts of FORAMINIFER NANNOFOSSIL CHALK and NANNOFOSSIL CHALK with FORAMINIFERS. Contacts between the sediment types are gradational and the dominant color is white (7.5YR 8/0). Most of the core is homogeneous, with some evidence of bioturbation in the form of burrows and mottles. Very thin, distinct color banding is observed in Sections 2 and 7. These color bands are less than 1 mm thick and are either pale purple (5P 6/1) or grayish green (10GY 5/2) in color. Some disseminated pyrite is also noted. A calcite concretion was observed at Section 2, 89 cm.

SMEAR SLIDE SUMMARY (%):

	3, 36 D	4, 73 D
TEXTURE:		
Sand	30	15
Silt	50	60
Clay	20	25
COMPOSITION:		
Foraminifers	50	15
Nannofossils	50	85

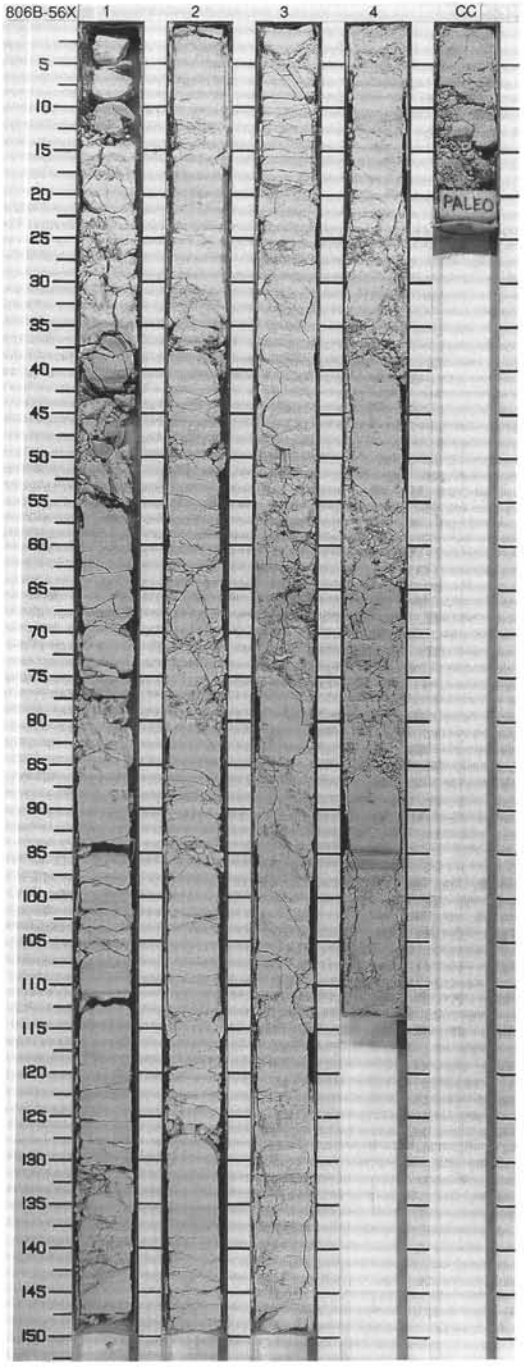


SITE 806 HOLE B CORE 56X CORED INTERVAL 521.3-530.9 mbsf

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
MIDDLE MIOCENE	A/M	A/M	A/M	F-C/P-M		V=1765 Φ=54.8 ρ=2.76	%$CaCO_3$=88.0	4						
	N8 - N9	NN4 - NN5	*Calcycletta costata*	NTD 5		V=1885 Φ=52.2 ρ=2.81	%$CaCO_3$=93.8	3						
						Φ=54.1 ρ=2.77	%$CaCO_3$=91.3	2						
								1	0.5					
									1.0					
								CC						

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains subequal amounts of NANNOFOSSIL CHALK with *FORAMINIFERS and FORAMINIFER NANNOFOSSIL CHALK*. The predominant sediment color is white (7.5YR 8/0) but grades into pale pink for most of Section 1. Bioturbation is moderate to heavy as seen from abundant burrows. A well-preserved *Zoophycos* trace fossil trail is observed in Section 1. A few zones with mm thick, distinct, pale purple (5P 6/2) and greenish gray (5G 7/1) color bands are noted in Sections 1, 3 and 4.



SITE 806 HOLE B CORE 57X CORED INTERVAL 530.9-540.5 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
MIDDLE MIOCENE	A/P	N8 - N9				V=1792 Φ=58.9 ρ=1.71	%CaCO3=93.5	1	0.5				
	A	NN4 - NN5							1.0				
				?				2					OG
	F/P					Φ=59.2 ρ=1.78	%CaCO3=89.1						IW
								3					*
								4					
								5					
								6			X		
								7			X		
								CC					

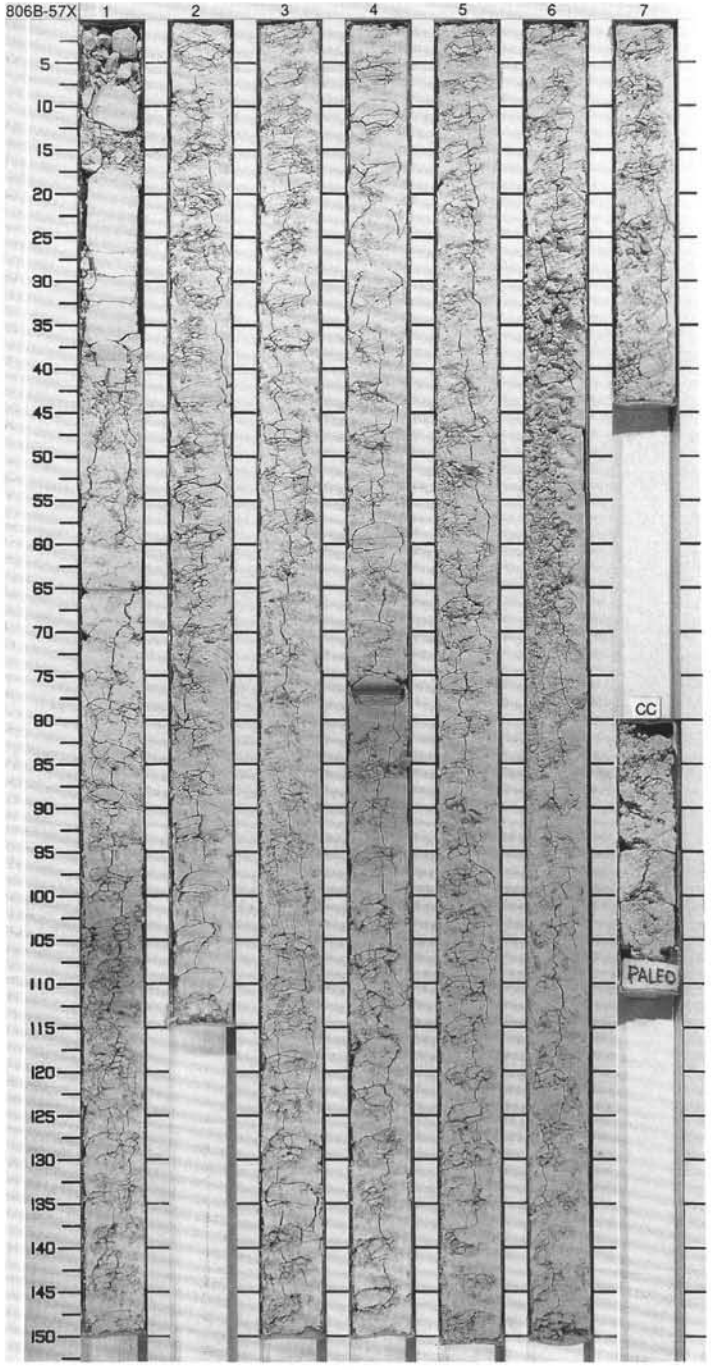
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains interbedded FORAMINIFER NANNOFOSSIL CHALK (75%) and NANNOFOSSIL CHALK with FORAMINIFERS (25%). Contacts between the two sediment types are gradational. Some very fine (<1 mm thick) distinct color banding is obvious. A few trace fossils are noted. The core is highly drilling disturbed and, in some cases, brecciated.

SMEAR SLIDE SUMMARY (%):

	3, 51 D
TEXTURE:	
Sand	20
Silt	50
Clay	30
COMPOSITION:	
Diatoms	1
Foraminifers	25
Nannofossils	72
Siliceous fragments	2



SITE 806 HOLE B CORE 58X CORED INTERVAL 540.5-550.2 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/M N8 - N9	A/M NN4 - NN5	A/G *Calocycletta costata*	F/P ?		ϕ=51.1 ρ=1.82 %$CaCO_3$=90.8 ϕ=54.6 ρ=1.77 %$CaCO_3$=90.0		1 2 3 4 5 6 7 CC	0.5 1.0				*

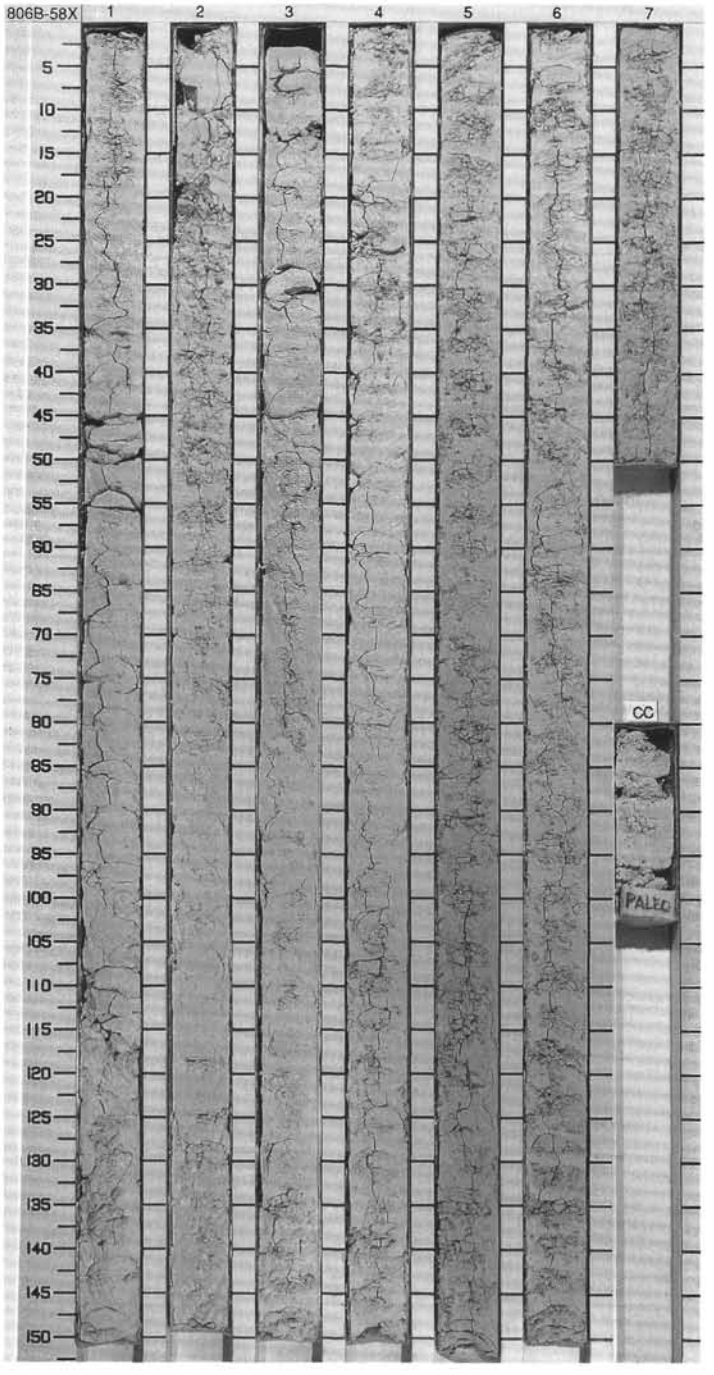
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains interbedded FORAMINIFER NANNOFOSSIL CHALK and NANNOFOSSIL CHALK with FORAMINIFERS. The chalk is predominantly white (7.5YR 8/0) but grades to pale pink (5P 8/2) in some intervals. Trace fossils and burrows indicate bioturbation.

SMEAR SLIDE SUMMARY (%):

	4, 55 D
TEXTURE:	
Sand	15
Silt	60
Clay	25
COMPOSITION:	
Accessory minerals	1
Diatoms	Tr
Foraminifers	26
Nannofossils	70
Siliceous fragments	3



SITE 806 HOLE B CORE 59X CORED INTERVAL 550.2-559.9 mbsf

TIME-ROCK UNIT	MIDDLE MIOCENE
BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	A/M N8 - N9
NANNOFOSSILS	A/P NN4 - NN5
RADIOLARIANS	
DIATOMS	C/P NTD 4 - NTD 5 *(Denticulopsis nicobarica)*
PALEOMAGNETICS	
PHYS. PROPERTIES	●Φ=55.4 ρ=1.78 ●Φ=55.0 ρ=1.77 V=1896 Φ=51.1 ρ=1.84●
CHEMISTRY	●%$CaCO_3$ =91.1 ●%$CaCO_3$=93.0 %$CaCO_3$=90.3●
SECTION	CC 7 6 5 4 3 2 1
METERS	1.0 0.5
GRAPHIC LITHOLOGY	
DRILLING DISTURB.	
SED. STRUCTURES	
SAMPLES	*

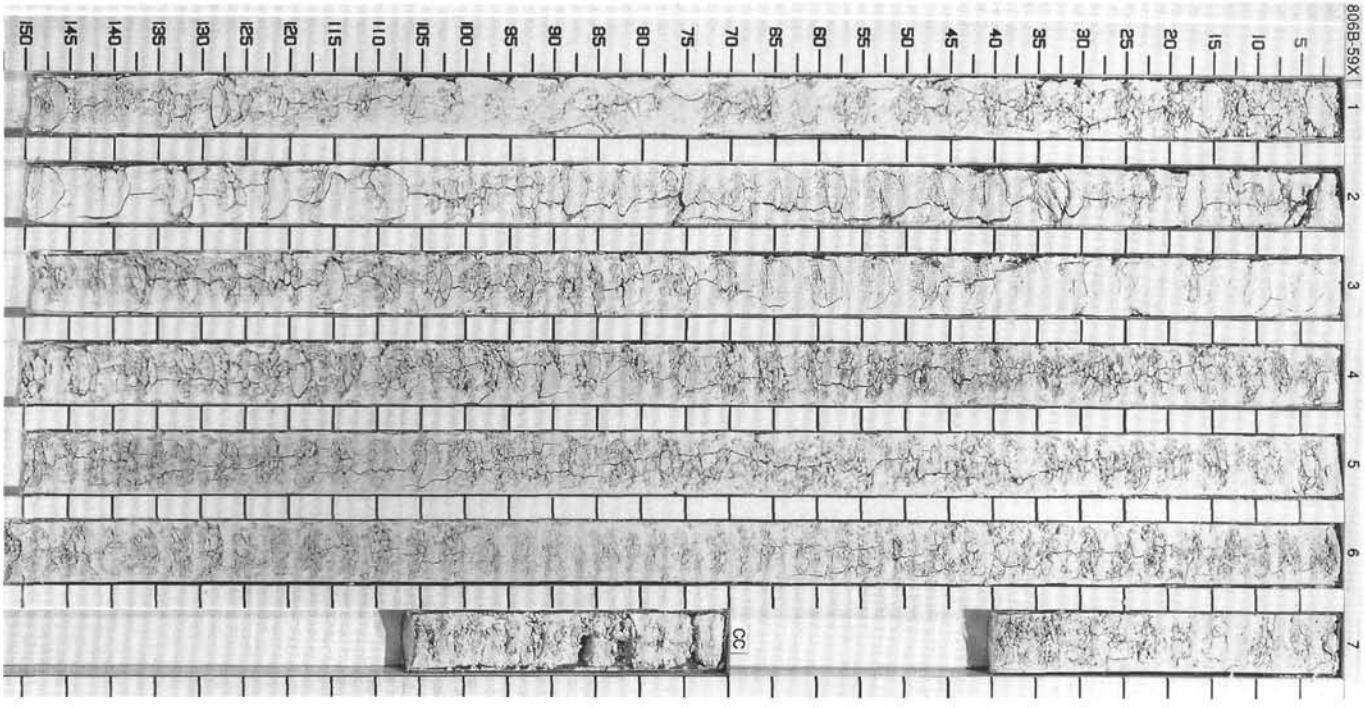
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains homogeneous, white (7.5YR 8/0) FORAMINIFERAL CHALK. Drilling disturbance is extensive, resulting in drilling biscuits.

SMEAR SLIDE SUMMARY (%):

	3, 81 D
TEXTURE:	
Sand	25
Silt	50
Clay	25
COMPOSITION:	
Foraminifers	50
Nannofossils	50
Radiolarians	Tr



SITE 806 HOLE B CORE 60X CORED INTERVAL 559.9-569.6 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
MIDDLE MIOCENE	A/M N8 - N9	A/M NN4 - NN5	A/P *Calocycletta costata*	F/P ?		V=1711 ρ=1.65 ϕ=61.4 V=1736 ρ=2.19 ϕ=53.8	●%$CaCO_3$=92.6 ●%$CaCO_3$=91.0	1 2 3 4 5 CC	0.5 1.0				OG

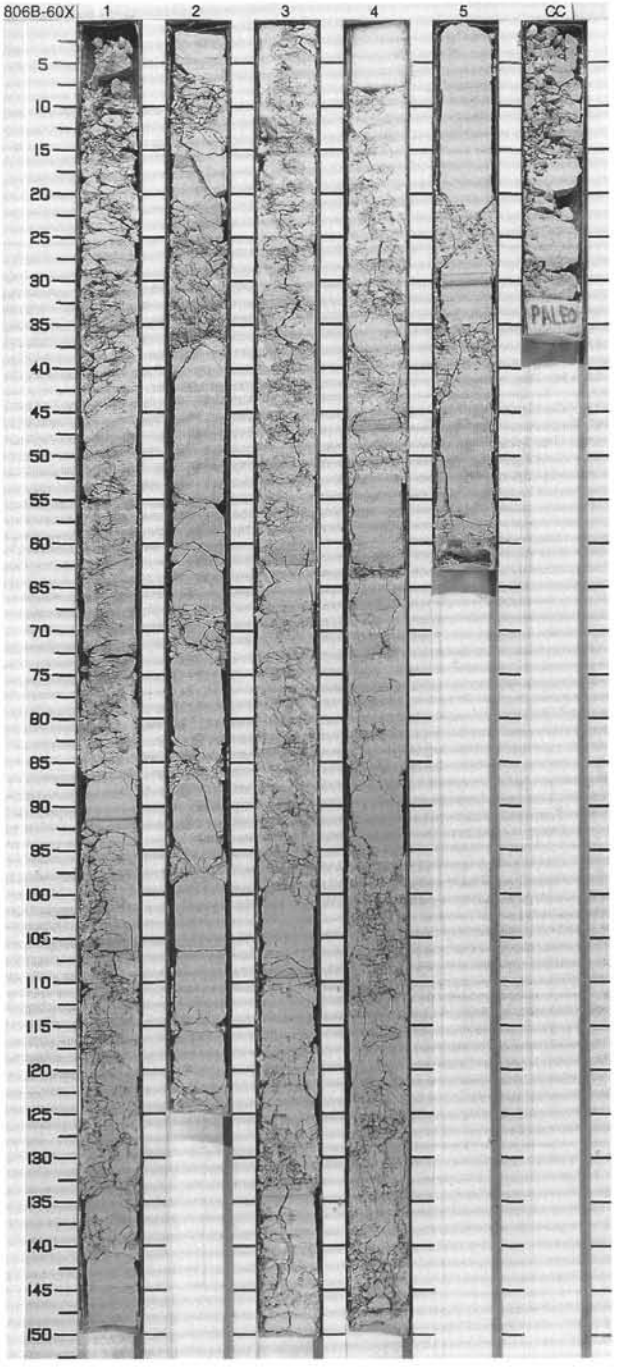
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains well-lithified FORAMINIFER NANNOFOSSIL CHALK. Disseminated purple-colored specks throughout the core give a pale pink (5RP 8/2) hue to the sediment. It is moderately to heavily bioturbated, with fine-scale mottling and trace fossils. These structures appear to be stretched in the horizontal direction, possibly as a result of compaction. A few very fine (< 1 mm thick), distinct, gray color bands are observed within this core.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	15
Silt	55
Clay	30
COMPOSITION:	
Accessory minerals	2
Foraminifers	25
Nannofossils	70
Siliceous fragments	3



SITE 806 HOLE B CORE 61X CORED INTERVAL 569.9-579.3 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 MIOCENE	N7	NN4 - NN5	*Stichocorys wolfii*	NTD 4a		●Φ=53.2 ρ=1.80 ●Φ=52.4 ρ=1.81	●%$CaCO_3$=92.8 ●%$CaCO_3$=91.6	1 2 3 4 5 6 7 CC	0.5 1.0				*

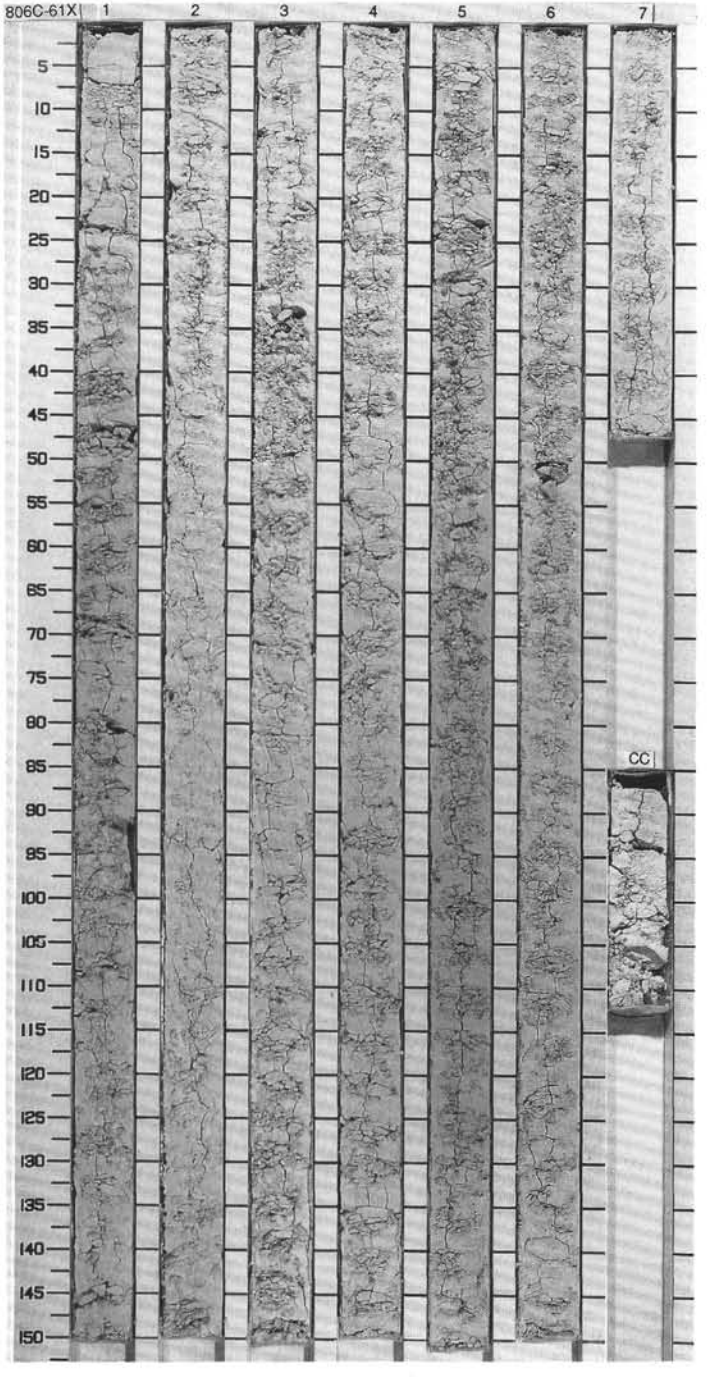
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains well-lithified NANNOFOSSIL CHALK with FORAMINIFERS. The dominant color is white (7.5YR 8/0), with long intervals (60 and 120 cm) of pale pink (5RP 8/2) in Sections 1 and 5. Signs of heavy bioturbation are visible only in the pink intervals and Section 7. They include faint mottles and burrows. A few distinct, very thin (<1 mm), gray (2.5Y 5/0) color bands are noted in Section 1. Drilling disturbance has resulted in moderately fractured to highly fragmented biscuits in a stiff ooze matrix.

SMEAR SLIDE SUMMARY (%):

	4, 74 D
TEXTURE:	
Sand	10
Silt	50
Clay	40
COMPOSITION:	
Accessory minerals	1
Foraminifers	12
Nannofossils	85
Siliceous fragments	2



SITE 806 HOLE B CORE 62X CORED INTERVAL 579.3-589.0 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	N7	NN3	*Stichocorys wolfii*	NTD 3 (*Trinacria pileolus*)				1	0.5				
	C/M	A/M	A/M	A/M					1.0				
								2					
								3					
								4					*
								5					
								6					
								7					
								CC					

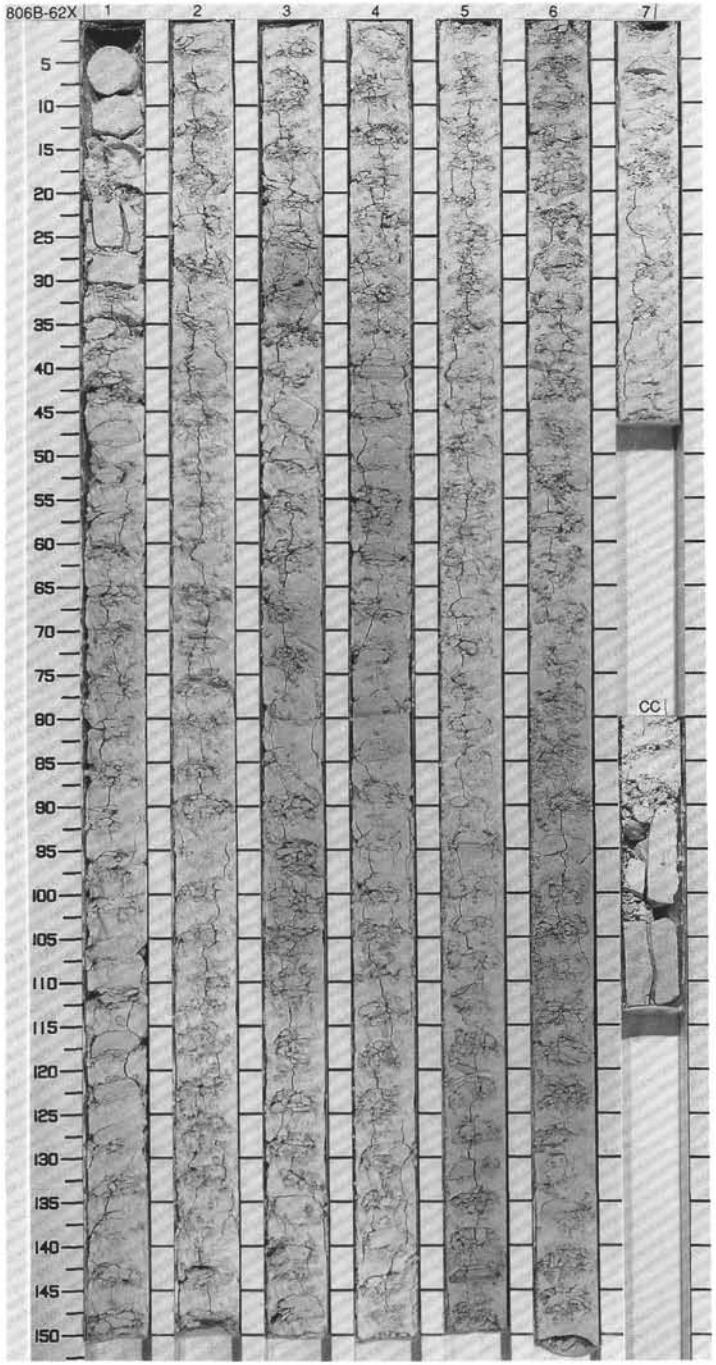
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK WITH FORAMINIFERS

Major lithology: This core contains predominantly white (7.5YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS. Sections 3 through 5 contain a few pale pink (5RP 8/2), 10 to 20 cm thick intervals. Distinct greenish gray (5GY 6/1) bands, about 1 mm thick, are commonly associated with the pale pink intervals. Some intervals are strongly bioturbated.

SMEAR SLIDE SUMMARY (%):

	4, 80 D
TEXTURE:	
Sand	5
Silt	50
Clay	45
COMPOSITION:	
Diatoms	1
Foraminifers	12
Nannofossils	84
Radiolarians	1
Siliceous fragments	2



SITE 806 HOLE B CORE 63X CORED INTERVAL 589.0-598.6 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIOCENE	N6 C/M	NN3 A/M		NTD 3? A/M		V-1814 ● φ-53.1 ρ-1.81; V-1930 ● φ-52.5 ρ-1.83	● %$CaCO_3$-93.5; ● %$CaCO_3$-93.3	1, 2, 3, 4, 5, 6, 7, CC	0.5, 1.0				* OG IW

BIOSTRAT. ZONE/ FOSSIL CHARACTER

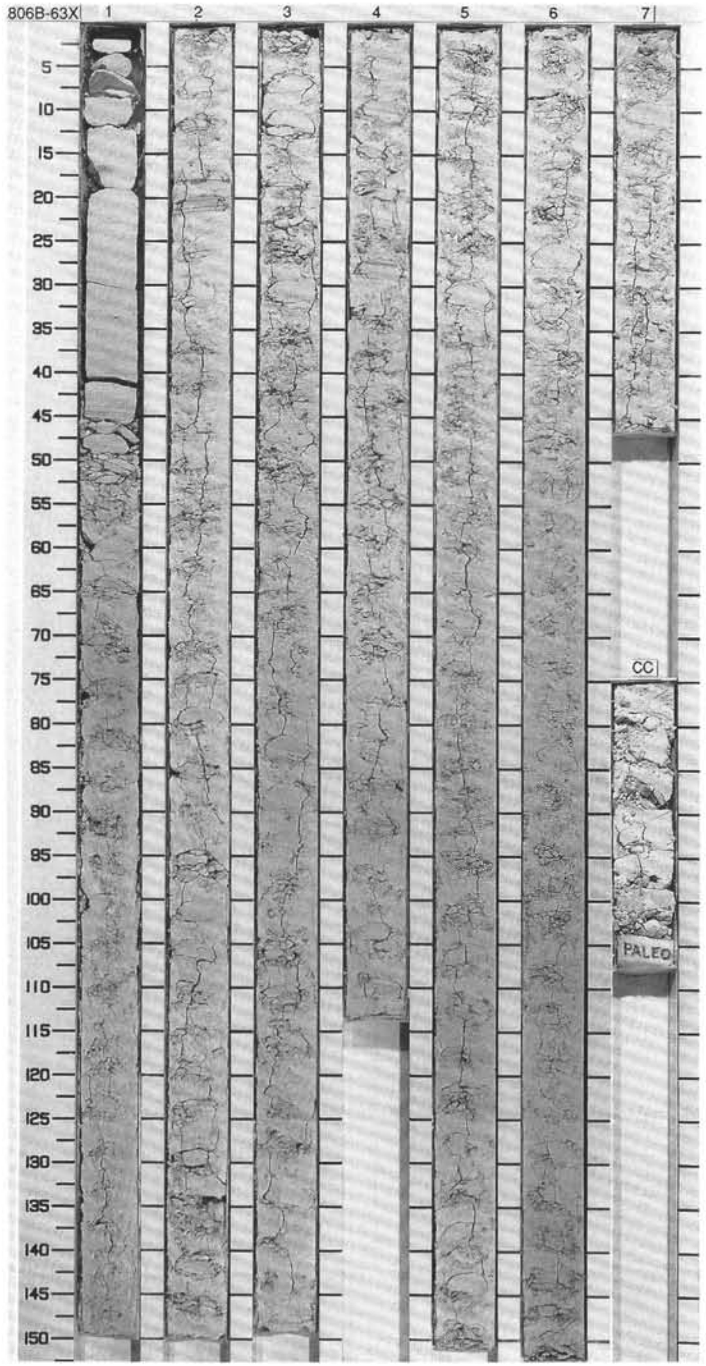
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (7.5YR 8/0) FORAMINIFER NANNOFOSSIL CHALK. It is moderately bioturbated, with numerous burrows and trace fossils. Scattered occurrences of very thin (< 1 mm), distinct, gray (2.5Y 5/0) and greenish gray (5GY 7/2) color bands are noted. The core is predominantly composed of drilling biscuits.

SMEAR SLIDE SUMMARY (%):

	4, 77
	D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Foraminifers	25
Nannofossils	73
Siliceous fragments	2



SITE 806 HOLE B CORE 64X CORED INTERVAL 598.6-608.3 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIOCENE	N5 C/M	NN2 A/M	*Stichocorys wolfii* A/M			● ϕ=50.3 ρ=1.87	● %$CaCO_3$=92.1	1, 2, CC	0.5, 1.0				*

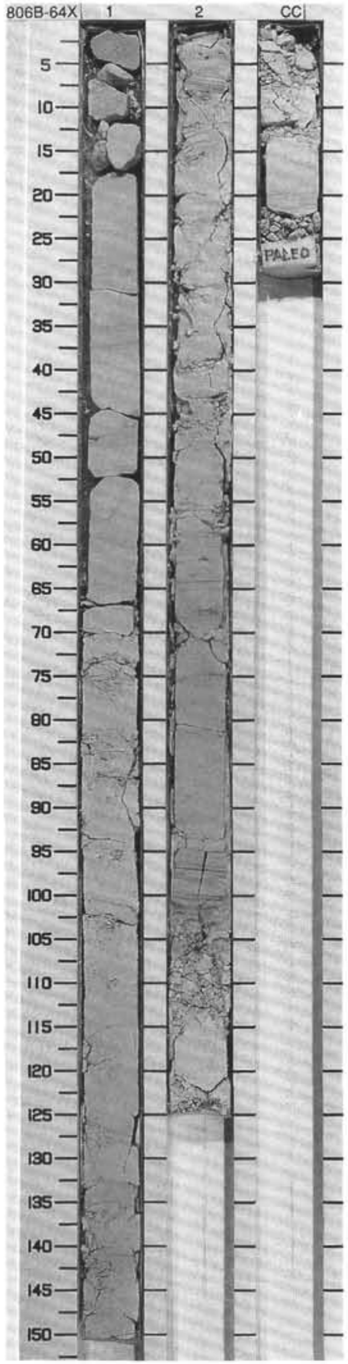
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0) and pink (5RP 8/2) NANNOFOSSIL CHALK with FORAMINIFERS. The sediment is moderately to heavily bioturbated with abundant and trace fossils. Thin (<1 mm), distinct, gray (2.5Y 5/0) color bands are common in Section 2. Two thin color bands are discontinuous and appear to be intersected and reworked by a burrow. Drilling disturbance has resulted in slightly to moderately fractured segments (ca. 10 cm long) and biscuits.

SMEAR SLIDE SUMMARY (%):

	2, 65
	D
TEXTURE:	
Sand	5
Silt	60
Clay	35
COMPOSITION:	
Foraminifers	15
Nannofossils	83
Radiolarians	1
Siliceous fragments	1



SITE 806 HOLE B CORE 65X CORED INTERVAL 608.3-617.9 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
LOWER MIOCENE	N5	NN2	*Stichocorys wolffii*	NTD 2 - NTD 3 (*Craspedodiscus elegans*)		ψ=1887.4 ●		1	0.5				
									1.0				
								2					
								3					*
								4					
								5					
								6					
	C/M	A/M	A/M	A/M				CC					

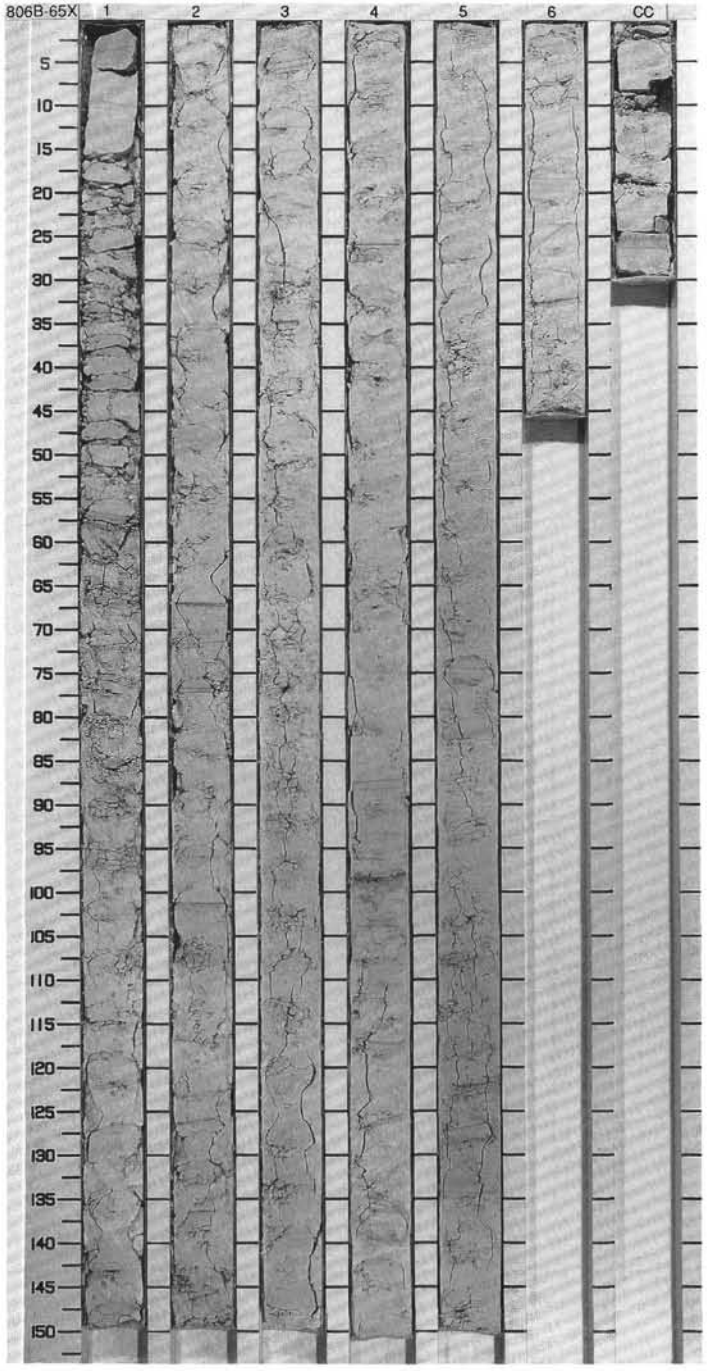
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

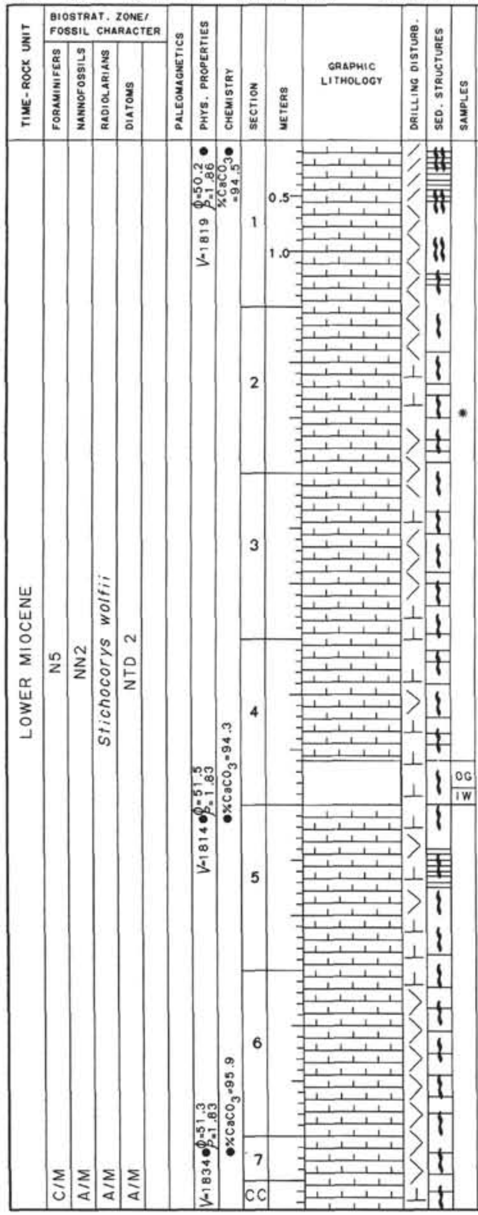
Major lithology: This core is predominantly white (7.5YR 8/0) NANNOFOSSIL CHALK WITH FORAMINIFERS. Abundant subhorizontal and a few vertical trace fossils are evident, most of which are on the scale of 0.5 cm in diameter. Some pyritized specks and burrow-fills are apparent. A few very thin, distinct, gray (2.5Y 5/0), grayish green (5GY 7/2), and pale to grayish purple (5P 6/2 - 5P 4/2) color bands are noted. Much of the core is composed of drilling biscuits.

SMEAR SLIDE SUMMARY (%):

	3, 65 D
TEXTURE:	
Sand	15
Silt	60
Clay	25
COMPOSITION:	
Foraminifers	20
Nannofossils	80



SITE 806 HOLE B CORE 66X CORED INTERVAL 617.9-627.5 mbsf



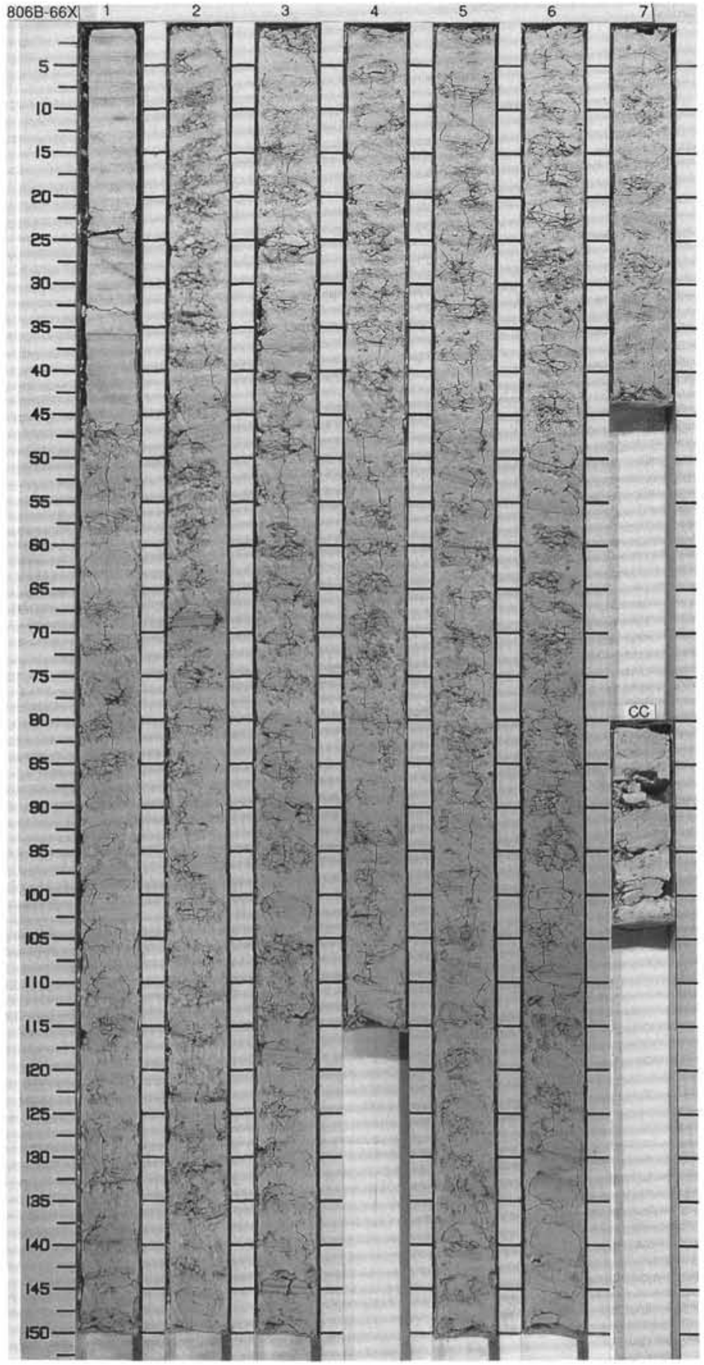
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0, 5YR 8/1, and 2.5Y 8/0) NANNOFOSSIL CHALK with FORAMINIFERS. Section 1 is heavily bioturbated; the remainder of the core is slightly bioturbated. Millimeter scale, distinct greenish gray (5G 6/1), light greenish gray (5G 7/1), and light gray (N7/) color bands are present in approximately 30-60% of the drilling "biscuits".

SMEAR SLIDE SUMMARY (%):

	2, 96
TEXTURE:	
Sand	20
Silt	75
Clay	
COMPOSITION:	
Foraminifers	12
Nannofossils	85
Radiolarians	3



SITE 806 HOLE B CORE 67X CORED INTERVAL 627.5-637.2 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	C/M	N5				V=1882 ρ=50.7 P=1.84	V=1940 ρ=51.0 P=1.83 %$CaCO_3$=94.7	1	0.5				
	A/P	NN2							1.0				
	A/G	*Stichocorys delmontensis*						2					
	C/M-P			NTD 2				CC					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains white (5Y 8/1 and 2.5Y 8/0) NANNOFOSSIL CHALK. It is slightly to moderately bioturbated throughout, including *Zoophycos* spreiten, mm scale grayish blue (5PB 5/2) mottling, and a 5 mm diameter pyritic burrow fill. Thin, distinct, greenish gray (5G 6/1) and faint light gray (N7/) color bands are present throughout; some light gray color bands have microstylolitic waving. Several 4 cm thick zones of with flaser structures are seen in Sections 2 and CC.

SMEAR SLIDE SUMMARY (%):

	2, 45 D
TEXTURE:	
Sand	2
Silt	90
Clay	8
COMPOSITION:	
Foraminifers	7
Nannofossils	92
Radiolarians	1

SITE 806 HOLE B CORE 68X CORED INTERVAL 637.2-646.5 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
LOWER MIOCENE	C/M	N5				ρ=47.5 P=1.89	%$CaCO_3$=94.6	1	0.5				
	A/P	NN2						CC					
	Stichocorys delmontensis		A/M										
				F/P NTD 2									

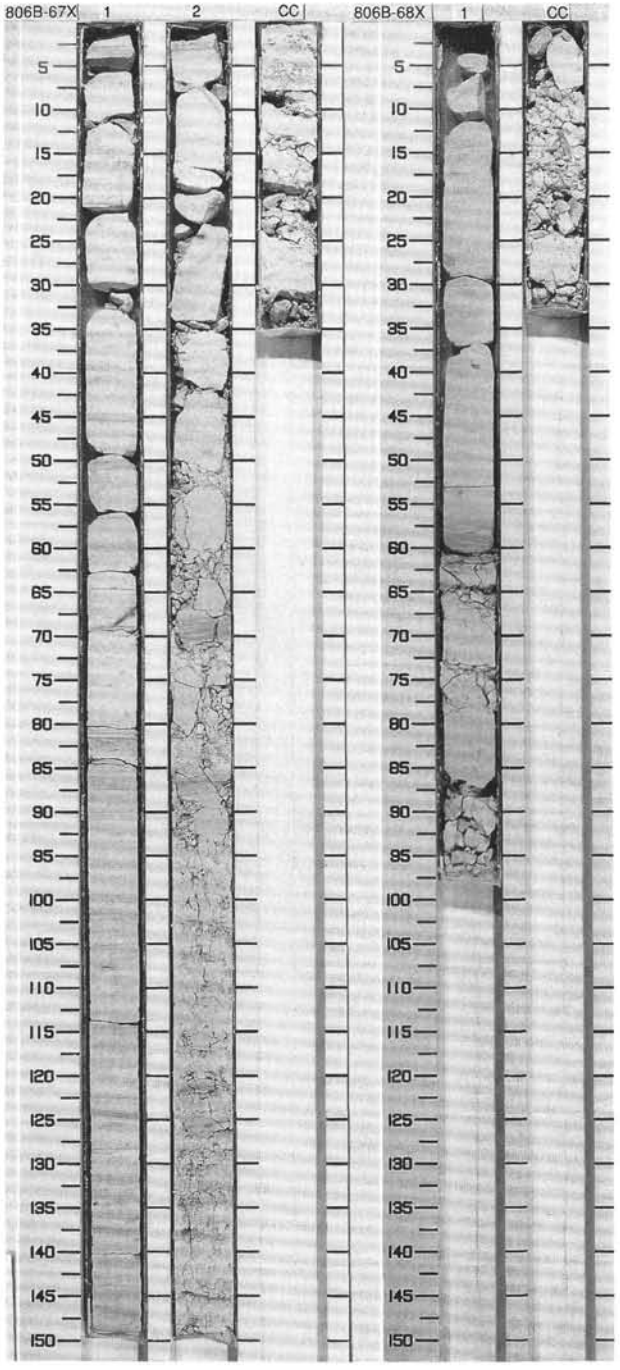
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

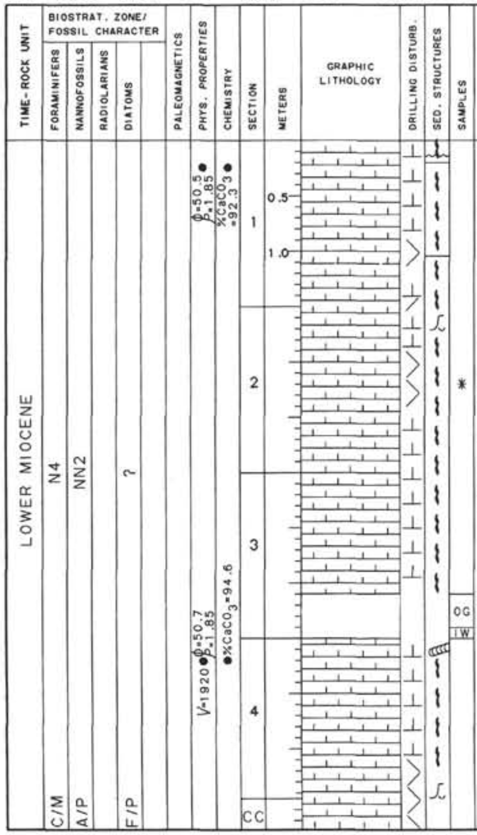
Major lithology: This core contains NANNOFOSSIL CHALK with FORAMINIFERS. The color is pale blue (5PB 7/2) in the upper 30 cm of Section 1, with a sharp contact to the underlying white (2.5Y 8/0). Slight to moderate bioturbation is represented by well-developed *Zoophycos* trace fossils. A 4 cm thick zone of with flaser structures is seen, as well as single light gray (N7) color bands/microstylolites.

SMEAR SLIDE SUMMARY (%):

	1, 32 D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	79
Radiolarians	Tr
Siliceous fragments	1



SITE 806 HOLE B CORE 69X CORED INTERVAL 646.5-656.2 mbsf



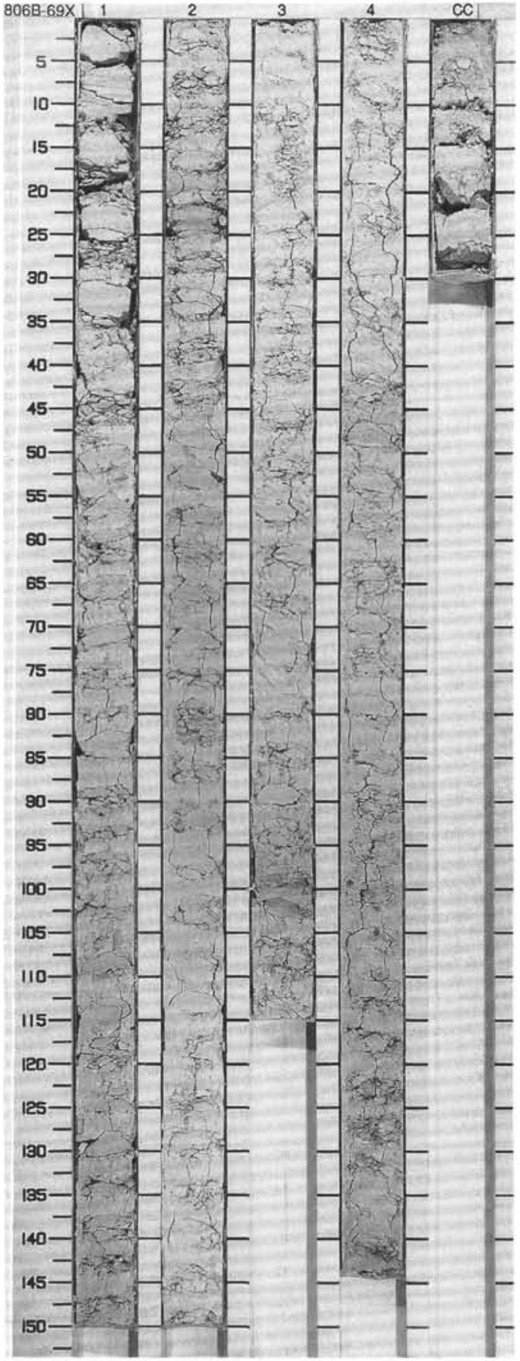
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK WITH FORAMINIFERS

Major lithology: This core contains white (5YR 8/1, 2.5Y 8/0) NANNOFOSSIL CHALK with FORAMINIFERS. In Section 4, gradational changes to pale purple (5PB 7/2) at 40 to 46 cm and light gray (N7/) at 135 to 143 cm are observed. The sediment is slightly to moderately bioturbated throughout. Well-developed *Zoophycos* trace fossils are present in Section 4, 10 cm. Flaser/structures, wavy color bands and microstylolites are seen throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 70
	D
TEXTURE:	
Sand	35
Silt	60
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	75
Radiolarians	4
Silicoflagellates	1



SITE 806 HOLE B CORE 70X CORED INTERVAL 656.2-665.8 mbsf

LOWER MIOCENE	TIME-ROCK UNIT
A/M N4	FORAMINIFERS
A/M NN2	NANNOFOSSILS
A/M *Stichocorys delmontensis*	RADIOLARIANS
C/P NTD 2	DIATOMS
	PALEOMAGNETICS
V=2024 Φ=48.5 P=1.88 ●%$CaCO_3$=94.7 V=2090 Φ=48.3 P=1.88 ●%$CaCO_3$=94.9 V=2200 Φ=47.5 P=1.89 ●%$CaCO_3$=94.0 V=2107 Φ=50.0 P=1.86 ●%$CaCO_3$=91.8	PHYS. PROPERTIES / CHEMISTRY
CC 4 3 2 1	SECTION
1.0 0.5	METERS
	GRAPHIC LITHOLOGY
	DRILLING DISTURB.
	SED. STRUCTURES
*	SAMPLES

BIOSTRAT. ZONE/ FOSSIL CHARACTER

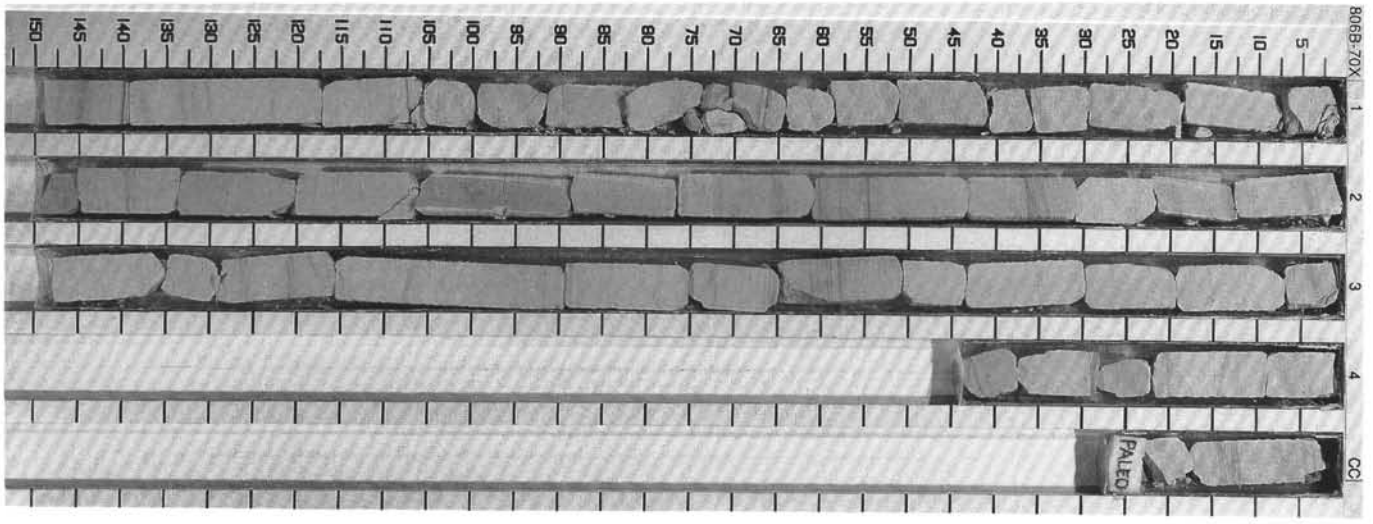
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

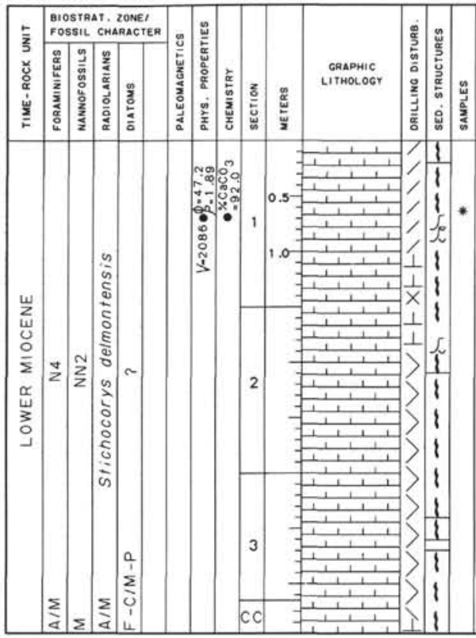
Major lithology: This core contains white (5YR 8/1, 2.5Y 8/0) NANNOFOSSIL CHALK with FORAMINIFERS. The sediment is slightly to moderately bioturbated throughout. A vertical *Zoophycos* trace fossil appears in Section 1, 51 to 63 cm. Flaser structures, wavy color bands and microstylolites are observed. Faint to discrete greenish gray (5G 6/1) to light gray (N7/) color bands are common throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 70
	D
TEXTURE:	
Sand	25
Silt	70
Clay	5
COMPOSITION:	
Foraminifers	15
Nannofossils	80
Radiolarians	4
Silicoflagellates	1



SITE 806 HOLE B CORE 71X CORED INTERVAL 665.8-675.5 mbsf



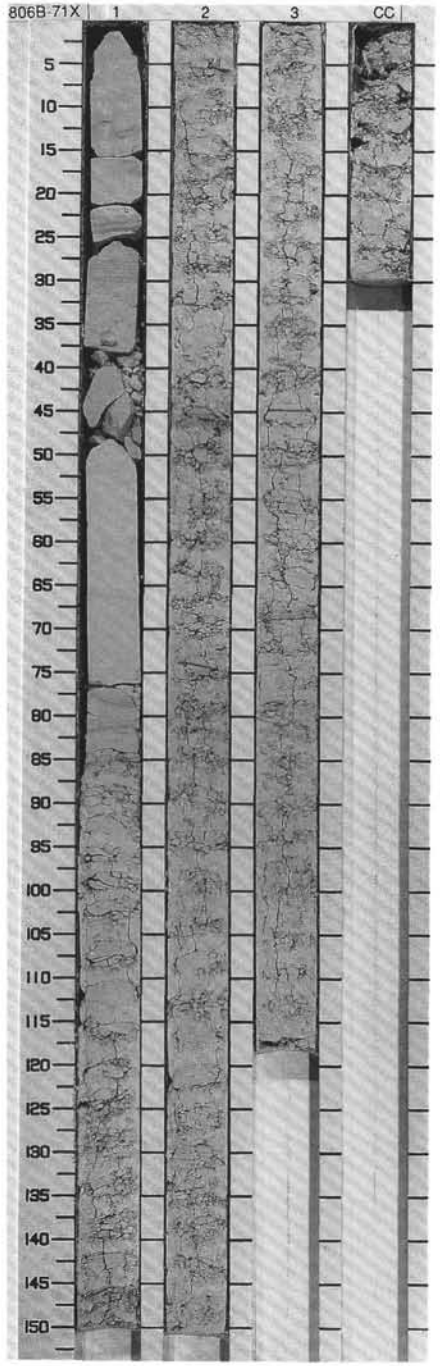
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains white (5YR 8/1, 2.5Y 8/0), slightly to moderately bioturbated NANNOFOSSIL CHALK. Flaser/structures, wavy color bands, and microstylolites are observed. Faint to intense, well-defined, mm scale, greenish gray (5G 6/1) to light gray (N7/) color bands are common throughout.

SMEAR SLIDE SUMMARY (%):

	1, 63
	D
TEXTURE:	
Sand	20
Silt	75
Clay	5
COMPOSITION:	
Foraminifers	8
Nannofossils	87
Radiolarians	4
Silicoflagellates	1



SITE 806 HOLE B CORE 72X CORED INTERVAL 675.5-685.2 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	F/P N4	A/M NN2	C/P *Stichocorys delmontensis*	C/P-M NTD 1 (*Rosiella paleacea*)		ϕ=43.3 ρ=1.98 V=2087 ϕ=48.8 ρ=1.87 ϕ=47.9 ρ=1.88 V=1876 ϕ=47.6 ρ=1.91	%$CaCO_3$=89.2 %$CaCO_3$=94.1 %$CaCO_3$=93.2 %$CaCO_3$=93.5	1 2 3 4 CC	0.5 1.0			*	OC IW

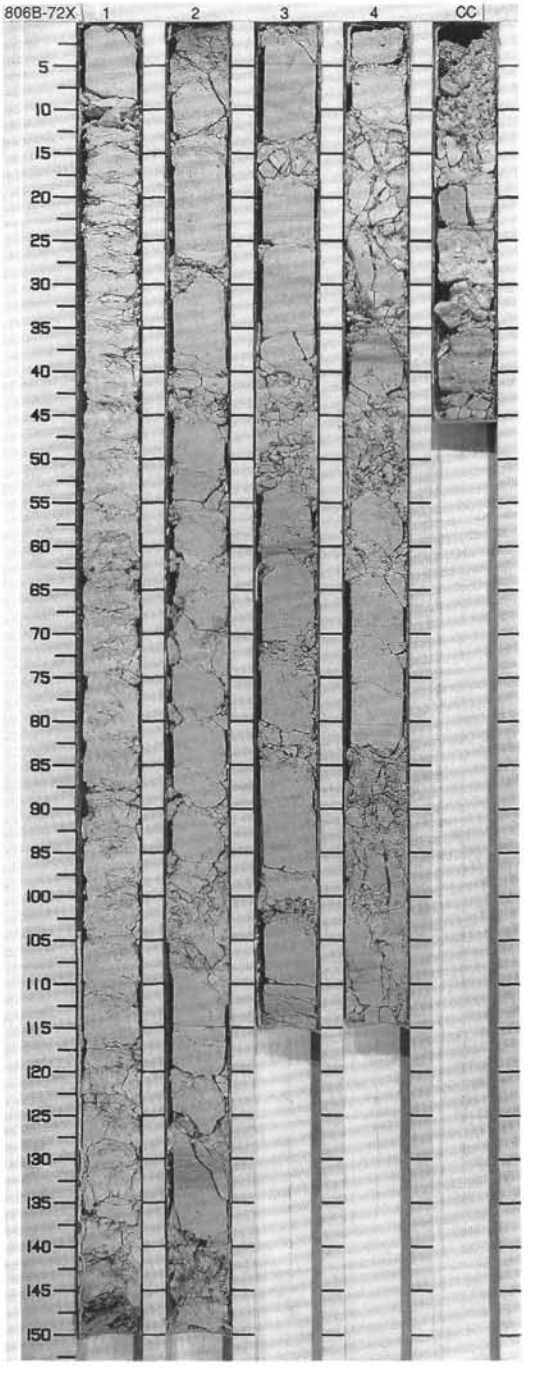
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

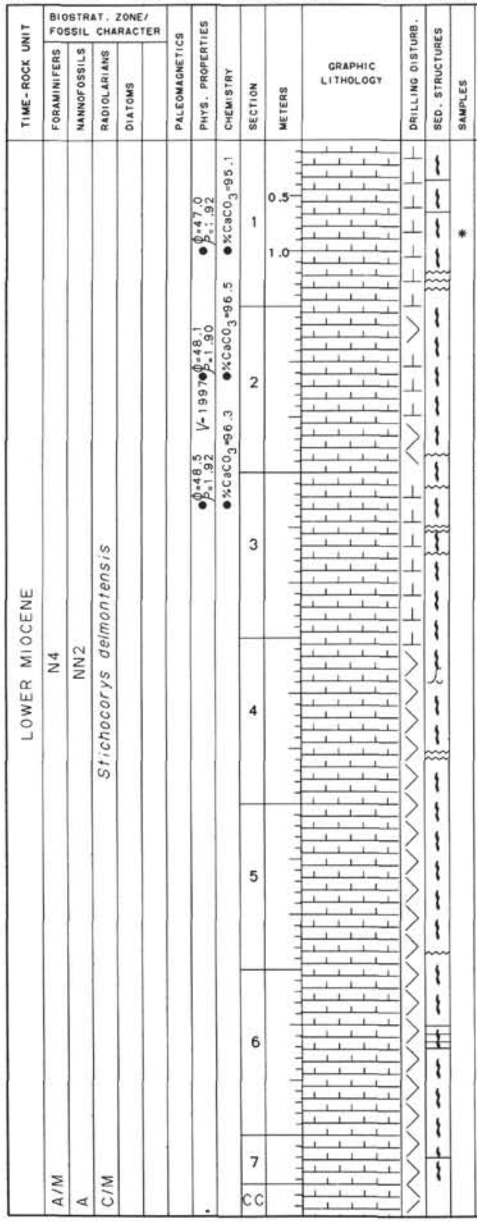
Major lithology: This core contains slightly to moderately bioturbated NANNOFOSSIL CHALK with FORAMINIFERS. The color is predominantly white (5YR 8/1, 2.5Y 8/0), with short intervals of light gray (N7/). Flaser/structures, wavy color bands and possible microstylolites are observed. Faint to well-developed greenish gray (5G 6/1) to light gray (N7/) color bands are common.

SMEAR SLIDE SUMMARY (%):

	2, 20 D
TEXTURE:	
Sand	30
Silt	65
Clay	5
COMPOSITION:	
Foraminifers	22
Nannofossils	75
Radiolarians	3



SITE 806 HOLE B CORE 73X CORED INTERVAL 685.2-694.8 mbsf



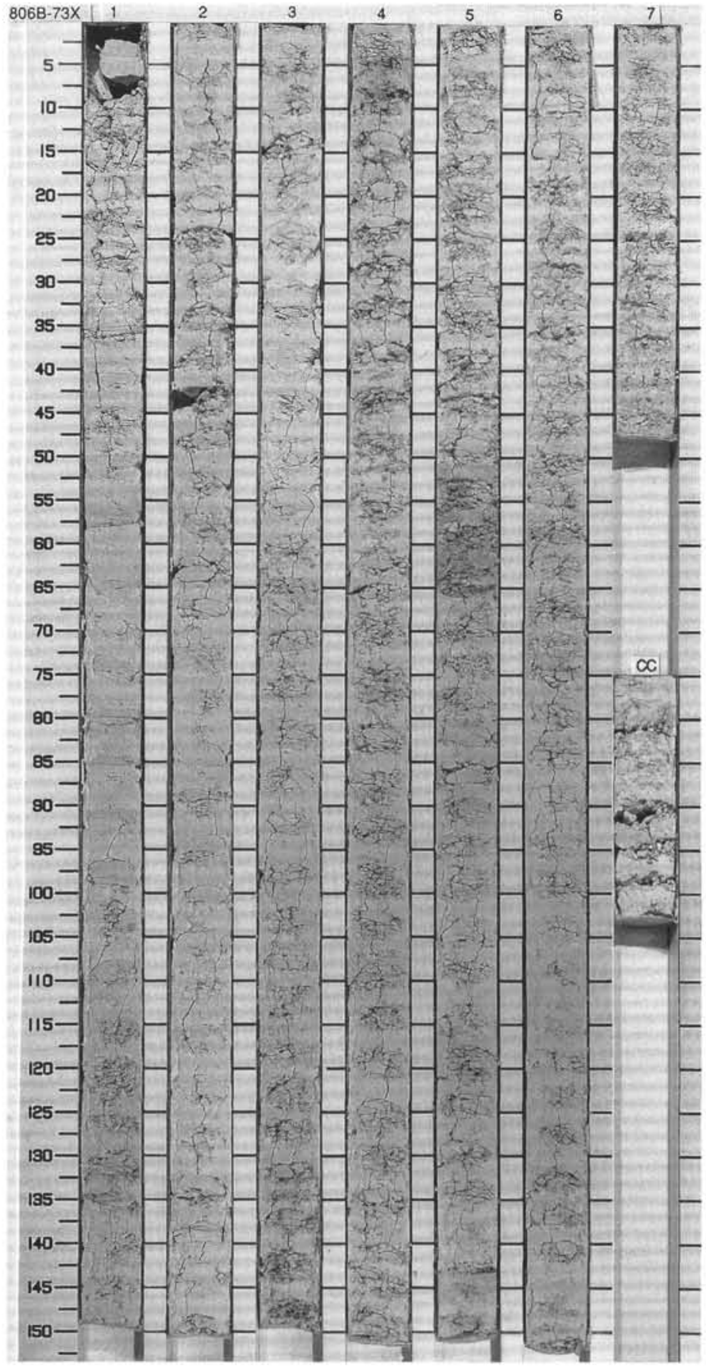
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

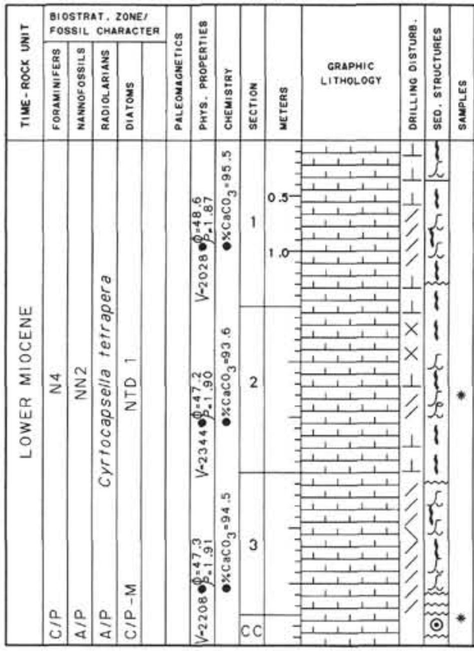
Major lithology: This core contains slightly to moderately bioturbated NANNOFOSSIL CHALK with FORAMINIFERS. The sediment is predominantly white (5YR 8/1, 2.5Y 8/0), with short intervals of light gray (N7/). Bioturbation includes *Zoophycos* trace fossils. Flaser/structures are observed in short intervals of Sections 4 and 5. Microstylolites are common throughout. Well- developed, greenish gray (5G 6/1) to light gray (N7/) color bands also are common.

SMEAR SLIDE SUMMARY (%):

	1, 84
	D
TEXTURE:	
Sand	30
Silt	65
Clay	5
COMPOSITION:	
Foraminifers	22
Nannofossils	75
Radiolarians	3



SITE 806 HOLE B CORE 74X CORED INTERVAL 694.8-704.5 mbsf



LITHOLOGIC DESCRIPTION

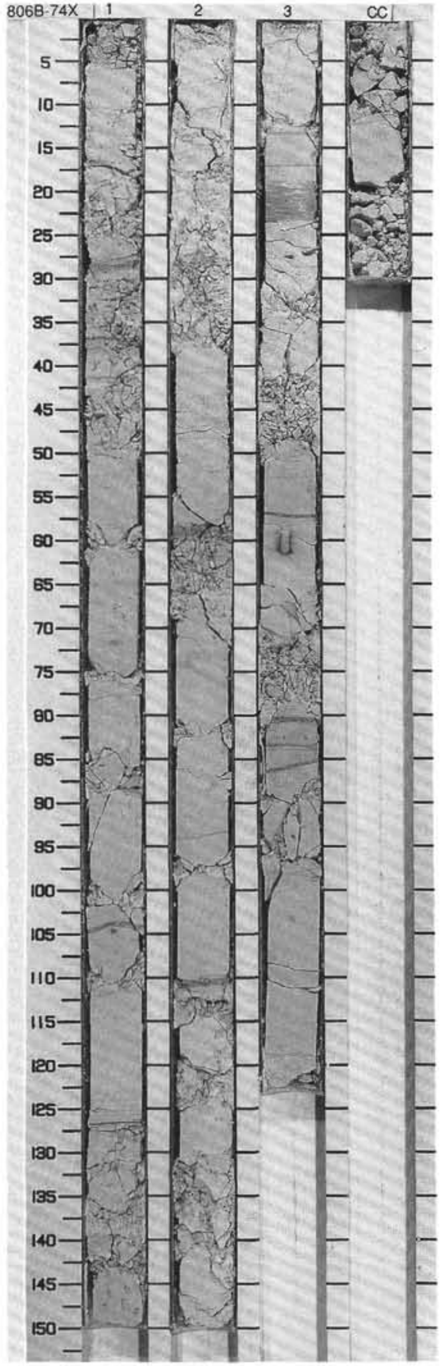
NANNOFOSSIL CHALK WITH FORAMINIFERS

Major lithology: This core contains slightly to moderately bioturbated, white (2.5Y 8/0) NANNOFOSSIL CHALK WITH FORAMINIFERS. Flaser structures are present throughout the core, becoming more abundant toward the base. Individual microstylolites are present to common.

Minor lithology: Two nodules of CHERT are present in the Core Catcher, 1 to 3 cm. Each nodule is approximately 1 cm in diameter and light gray (N7/) in color.

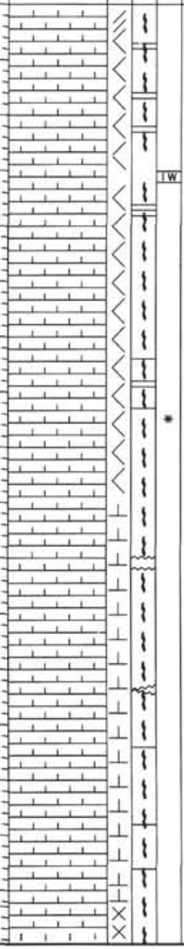
SMEAR SLIDE SUMMARY (%):

	2, 80	CC, 1
	D	M
TEXTURE:		
Sand	30	—
Silt	65	70
Clay	5	30
COMPOSITION:		
Foraminifers	23	—
Nannofossils	75	30
Radiolarians	2	—
Silica	—	70



SITE 806 HOLE B CORE 75X CORED INTERVAL 704.5-714.1 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS
LOWER MIOCENE	N4	NN2		NTD 1		φ=48.1 ● ρ=1.88; V=2071 ● φ=47.3 ρ=1.88	%CaCO3 ● =93.7; ● %CaCO3=89.0	1, 2, 3, 4, 5, 6, CC	0.5, 1.0
	R/P	A/M		C/M					



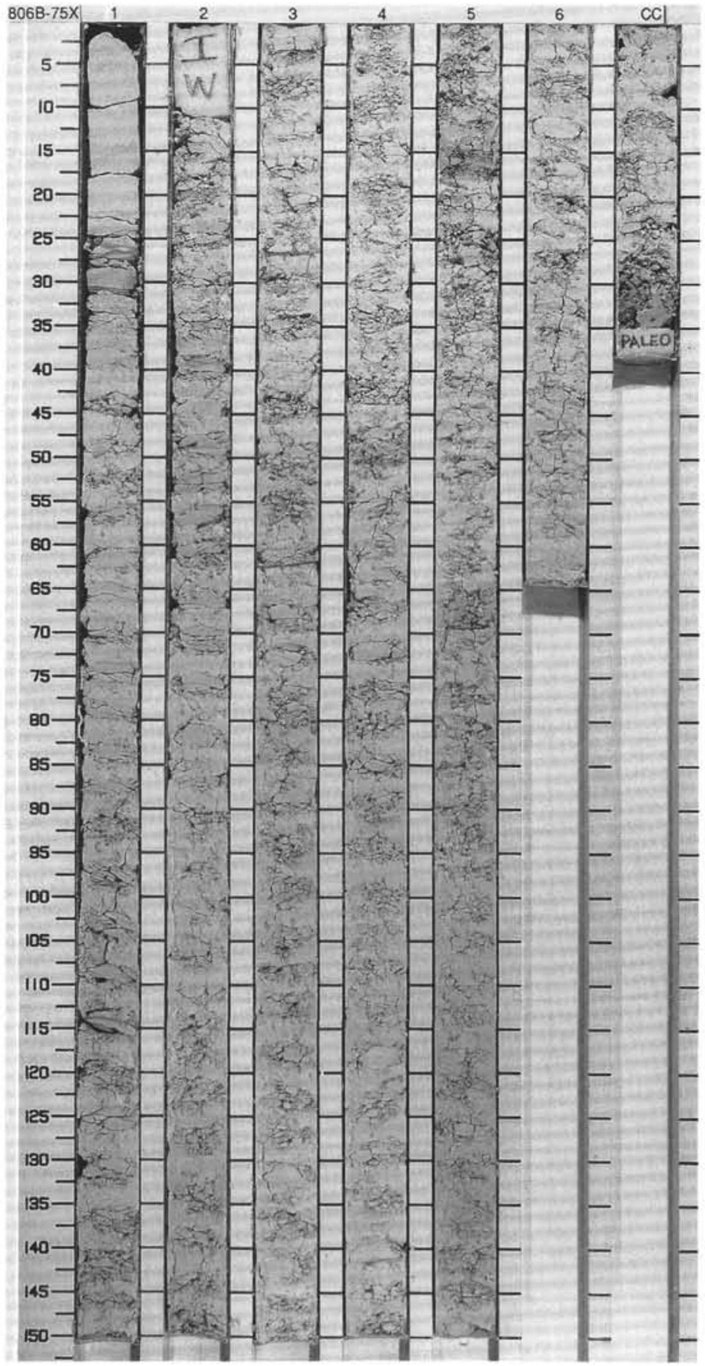
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains moderately to heavily bioturbated, white (2.5Y 8/0 and 5Y 8/1) NANNOFOSSIL CHALK with FORAMINIFERS. Flaser/structures and microstylolites are present throughout the core. Minor grayish green (5G 5/2) and grayish blue (5PB 5/2) color banding is present in Section 5.

SMEAR SLIDE SUMMARY (%):

	3, 73
	D
TEXTURE:	
Sand	35
Silt	60
Clay	5
COMPOSITION:	
Foraminifers	22
Nannofossils	75
Radiolarians	3

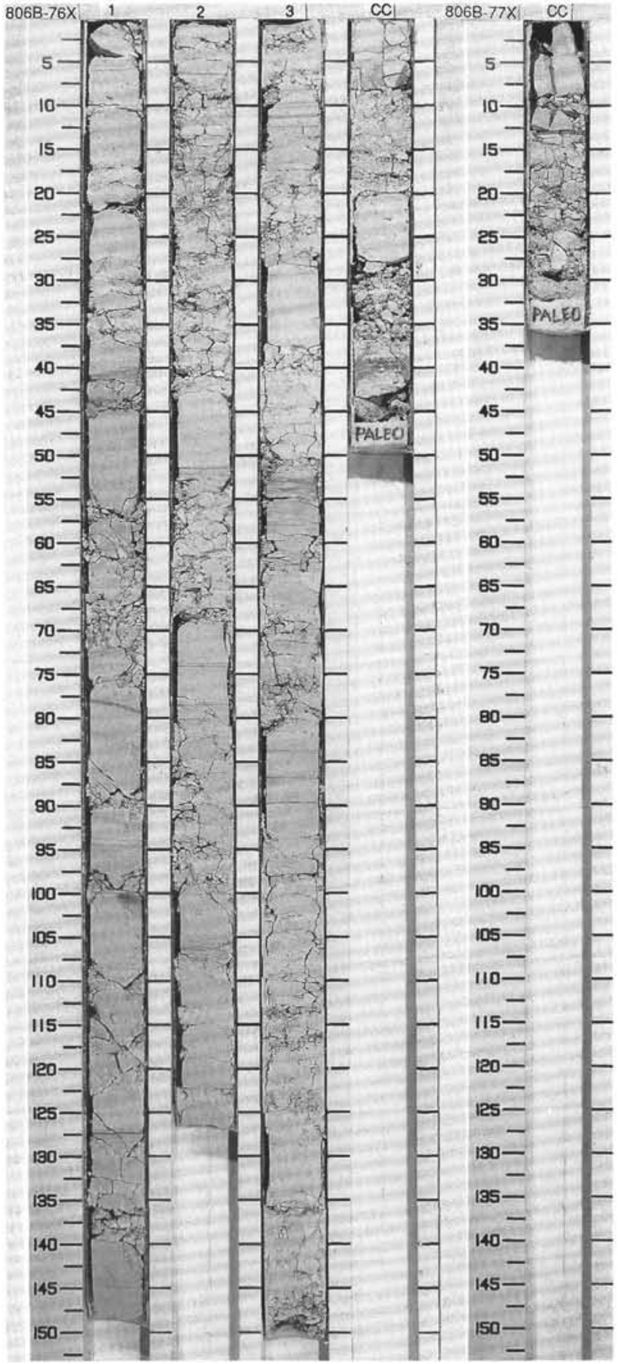


SITE 806 HOLE B CORE 76X CORED INTERVAL 714.1-723.7 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER MIOCENE	N4	NN2	*Cyrtocapsella tetrapera*	NTD 1		● Φ=48.6 ρ=1.86; ● Φ=46.0 ρ=1.90 V=2166; ● Φ=46.3 ρ=1.92	● %CaCO3=89.0; ● %CaCO3=94.1; ● %CaCO3=95.1	1, 2, 3, CC	0.5, 1.0				* OG IW	NANNOFOSSIL CHALK with FORAMINIFERS Major lithology: This core contains moderately to heavily bioturbated, white (2.5Y 8/0) NANNOFOSSIL CHALK with FORAMINIFERS. Well developed *Zoophycos* trace fossils are common. Microstylolites and flaser/structures also are common. SMEAR SLIDE SUMMARY (%): 2, 67 D TEXTURE: Sand 30; Silt 65; Clay 5 COMPOSITION: Foraminifers 20; Nannofossils 78; Radiolarians 2
	F/P	A/M	A/M	C/P-M										

SITE 806 HOLE B CORE 77X CORED INTERVAL 723.7-733.4 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
		A/M	C/P	C/P				CC					*	
LOWER MIOCENE		NN2	*Cyrtocapsella tetrapera*	NTD 1?										NANNOFOSSIL CHALK with FORAMINIFERS Major lithology: This core contains heavily mottled white (5YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS. Microstylolites are present. SMEAR SLIDE SUMMARY (%): CC, 18 D TEXTURE: Sand 30; Silt 65; Clay 5 COMPOSITION: Foraminifers 20; Nannofossils 78; Radiolarians 2



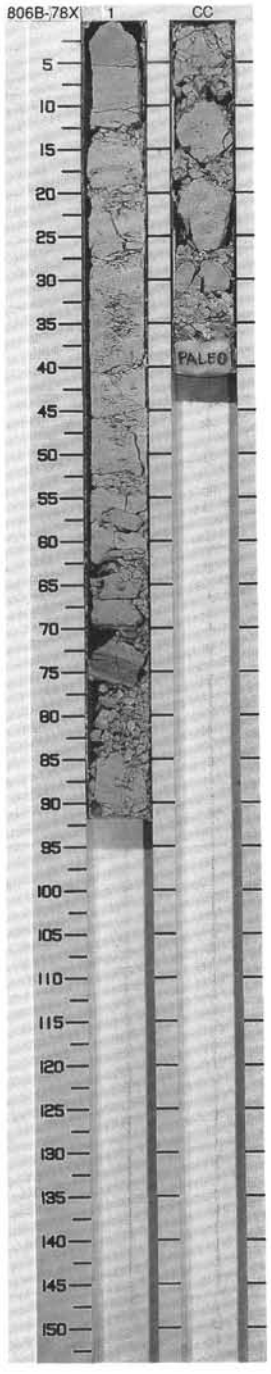
SITE 806 HOLE B CORE 78X CORED INTERVAL 733.4-743.1 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER MIOCENE	A/M	A/P	C/P	R-B/P		● V4-2235	●	1	0.5				*	NANNOFOSSIL CHALK with FORAMINIFERS
	N4	NN1 - NN2	*D. ateuchus* - *C. tetrapera*	? (almost Barren)				CC						

Major lithology: This core contains moderately bioturbated, white (5YR 8/1 and 5Y 8/1) NANNOFOSSIL CHALK with FORAMINIFERS. Gray (N6/) microstylolites and flaser structures are present but not abundant.

SMEAR SLIDE SUMMARY (%):

	1, 45 D
TEXTURE:	
Sand	30
Silt	65
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	78
Radiolarians	20



SITE 806 HOLE C CORE 1H CORED INTERVAL 0.0-5.6 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
PLEISTOCENE	N22 - N23	NN20 - NN21	A/G	A/G		●V=1570.3 ●ϕ=71.3 ρ=1.50 ●V=1563.2 ●ϕ=71.1 ρ=1.50 ●V=1596		1 2 3 4 CC	0.5 1.0				*

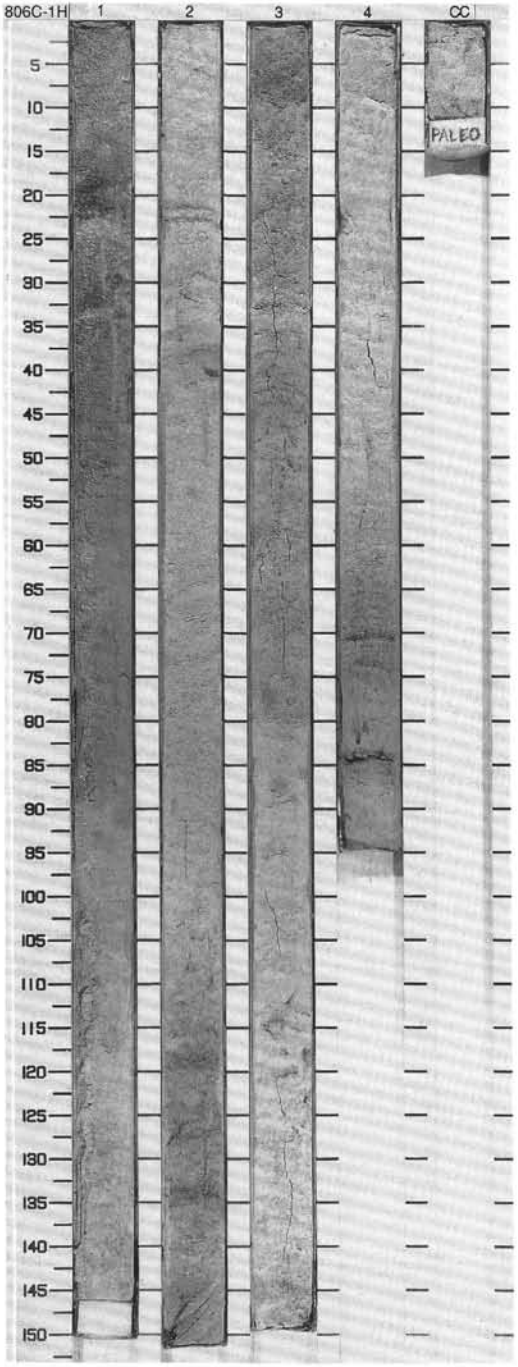
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains FORAMINIFER NANNOFOSSIL OOZE, which grades from light gray (10YR 7/2) and very pale brown (10YR 7/3) to light gray (5Y 7/1) within Section 1. The remainder of the core is light gray (5Y 7/1 to 2.5Y 7/0) in color, with minor intervals of light olive gray (5Y 6/2). The entire core is moderately to heavily bioturbated, with grayish red purple (5RP 4/2) mottling. Diffuse cm scale, gray (N6/), greenish gray (5G 6/1 and 5BG 5/1), and pale purple (5P 6/2) color bands are present.

SMEAR SLIDE SUMMARY (%):

	1, 7 D
TEXTURE:	
Sand	25
Silt	70
Clay	5
COMPOSITION:	
Foraminifers	45
Nannofossils	55



SITE 806 HOLE C CORE 2H CORED INTERVAL 5.6-15.1 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
PLEISTOCENE	A/G	A/G			V-1553	V-1578 Φ=68.7 ρ=1.55; V-1556 Φ=68.5 ρ=1.54; V-1556 Φ=69.3 ρ=1.53; V-1556 Φ=69.1 ρ=1.54; V-1542 Φ=69.6 ρ=1.52; V-1563 Φ=71.9 ρ=1.48		CC 1 2 3 4 5 6 7	0.5 1.0				

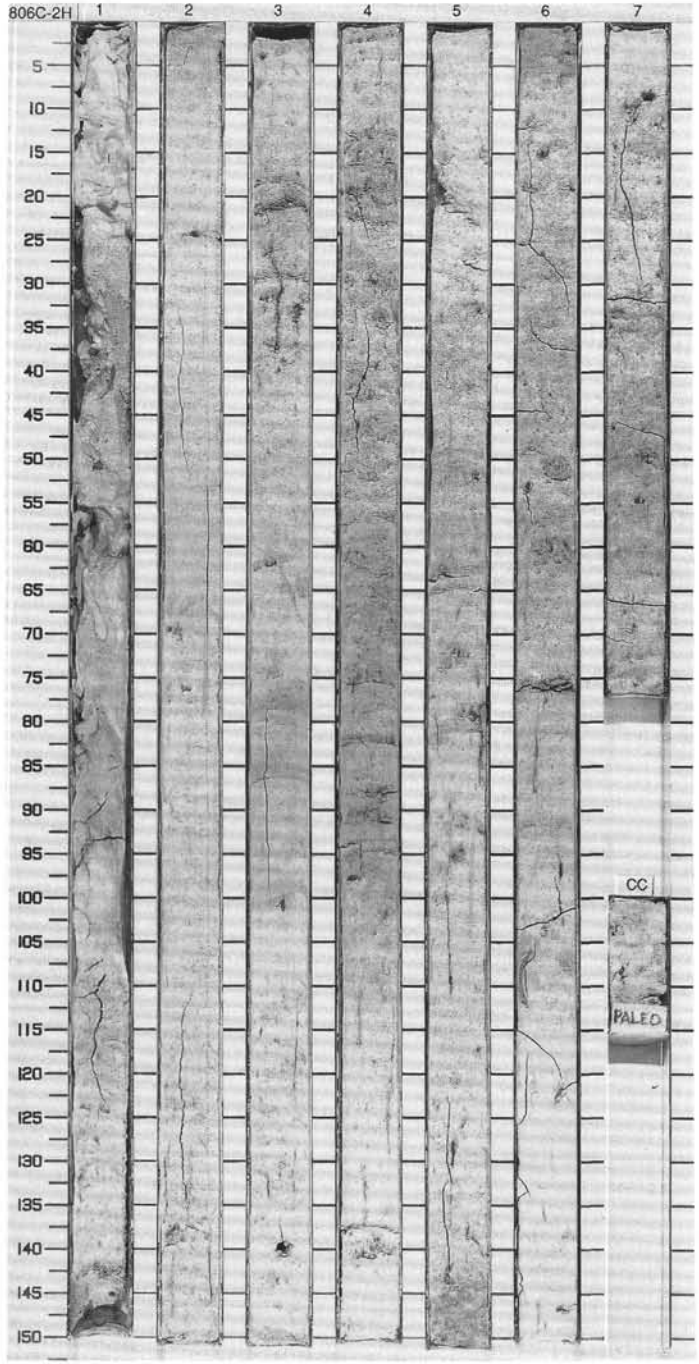
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS and FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains 60% light gray (5Y 7/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with 40% light gray (5Y 7/1) FORAMINIFER NANNOFOSSIL OOZE. Contacts between the two sediment types are graded. Evidence of bioturbation is abundant, including light gray (2.5Y 7/2) mottles and pyrite-filled burrows. Light greenish gray (5G 7/1) color bands, approximately 0.5 to 1 cm thick, are common. A few pale purple (5P 6/2) color bands are present.

SMEAR SLIDE SUMMARY (%):

	2, 140 D	3, 85 D
TEXTURE:		
Sand	25	6
Silt	60	60
Clay	15	34
COMPOSITION:		
Accessory minerals	--	2
Foraminifers	38	15
Nannofossils	60	80
Siliceous fragments	2	3



SITE 806 HOLE C CORE 3H CORED INTERVAL 15.1-24.6 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS A/G; NANNOFOSSILS N22 - N23; RADIOLARIANS A/M; DIATOMS NN19

PALEOMAGNETICS: V-1553 Φ=67.3 ρ=1.58

PHYS. PROPERTIES: V-1574 Φ=68.4 ρ=1.54; V-1567 Φ=68.3 ρ=1.53; V-1521 Φ=66.9 ρ=1.56; V-1539 Φ=66.4 ρ=1.58

CHEMISTRY

SECTION: 1, 2, 3, 4, 5, 6, 7, CC

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES: F

SAMPLES

LITHOLOGIC DESCRIPTION

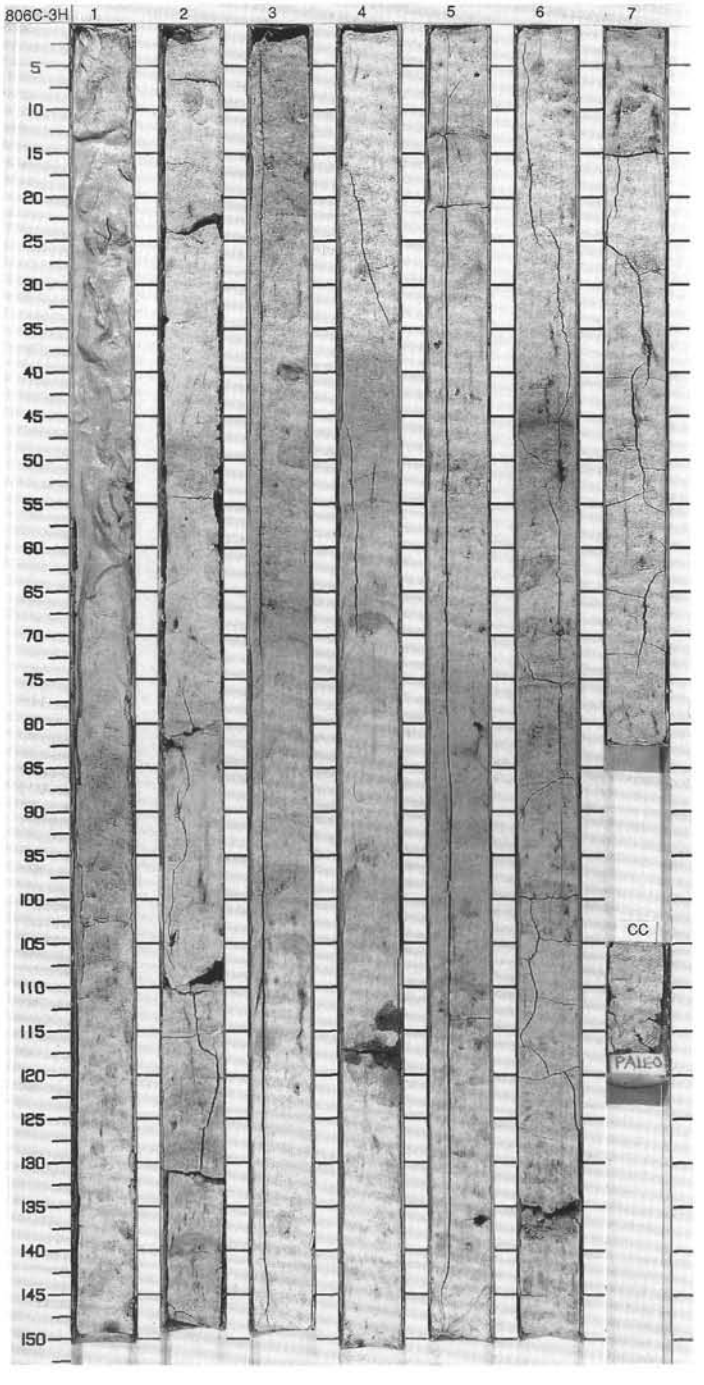
NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The ooze is predominantly white (2.5Y 8/0 to 2.5Y 8/2). Abundant burrow fills and light gray (2.5Y 7/1) mottles indicate extensive bioturbation. Some of the burrows contain pyrite or pale purple (5P 6/2) ooze. Pale purple (5P 6/2) streaks are associated with some burrows. Light greenish gray (5GY 7/1) bands, 1 cm thick, are common. The ooze has a slight H_2S odor.

Minor Lithology: The nannofossil ooze with foraminifers grades into a heavily bioturbated FORAMINIFER NANNOFOSSIL OOZE in Section 3, 70 to 150 cm.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	15
Silt	60
Clay	25
COMPOSITION:	
Foraminifers	20
Nannofossils	77
Radiolarians	1
Siliceous fragments	2



SITE 806 HOLE C CORE 4H CORED INTERVAL 24.6-34.1 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS A/G; A/M; NANNOFOSSILS N22 - N23; NN19; RADIOLARIANS; DIATOMS

PALEOMAGNETICS: V-1563; Φ=68.3 ● P=1.55

PHYS. PROPERTIES: V-1567 ● Φ=67.8 P=1.56; V-1542 ● Φ=70.1 P=1.52; V-1556 ● Φ=70.1 P=1.52; V-1581 ● Φ=69.8 P=1.53; V-1574 ● Φ=67.4 P=1.57; V-1588 ● Φ=68.4 P=1.55

CHEMISTRY

SECTION: 1, 2, 3, 4, 5, 6, 7, CC

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY: VOID

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: *

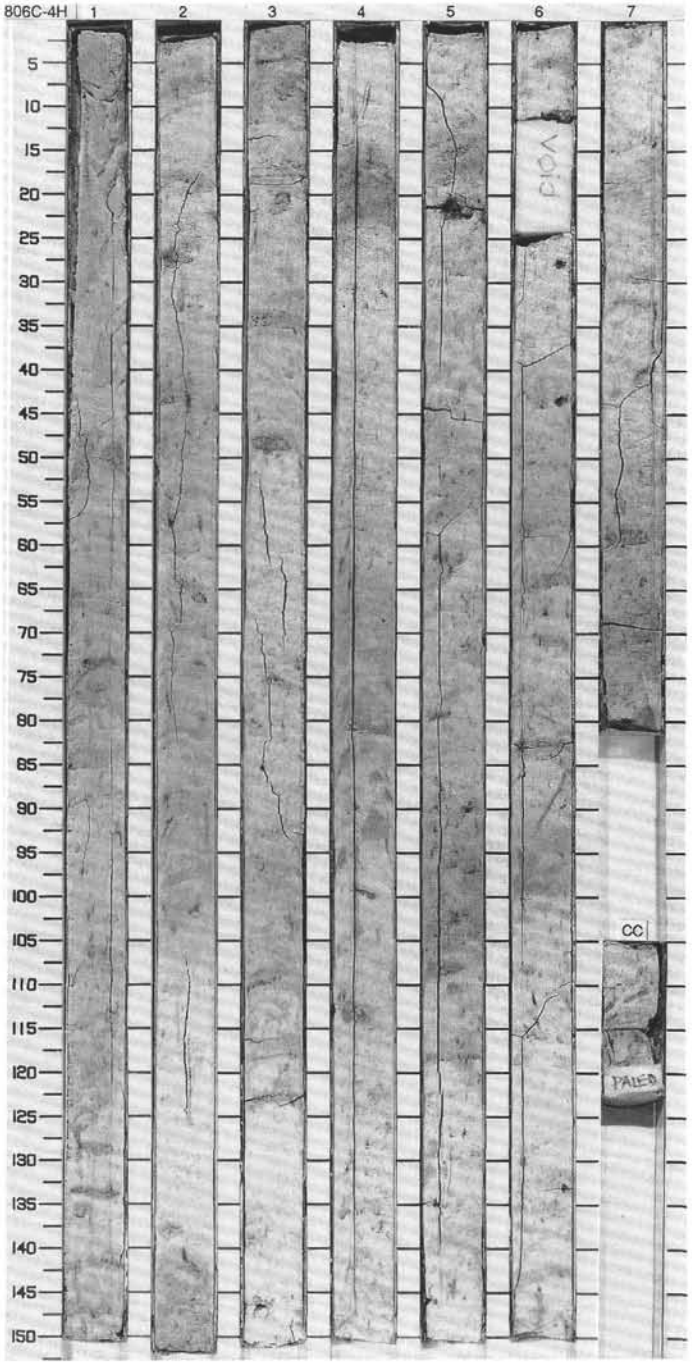
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS and FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains 90% NANNOFOSSIL OOZE with FORAMINIFERS and 10% FORAMINIFER NANNOFOSSIL OOZE, both of which are white (2.5Y 8/0) in color. The sediment is moderately to heavily bioturbated, as indicated by abundant light gray (5Y 7/2) mottles and burrows, disseminated pyritic pale purple (5P 6/2) burrows, and burrows filled with pyritized, dark gray (2.5Y 4/0) material that is coarser and softer than the surrounding sediment. Diffuse faint, greenish gray (5G 7/2) color bands (cm scale) are frequent throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 75 D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Foraminifers	10
Nannofossils	90
Radiolarians	Tr
Siliceous fragments	Tr



SITE 806 HOLE C CORE 5H CORED INTERVAL 34.1-43.6 mbsf

TIME-ROCK UNIT: UPPERMOST PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: A/G N22
- NANNOFOSSILS: A/G NN18 / NN19
- RADIOLARIANS
- DIATOMS

PALEOMAGNETICS: [V-1557] ϕ=67.2 ρ=1.56

PHYS. PROPERTIES: V-1557 ϕ=68.4 ρ=1.54; V-1553 ϕ=67.5 ρ=1.56; V-1551 ϕ=68.8 ρ=1.54; V-1546 ϕ=68.0 ρ=1.57; V-1557 ϕ=68.3 ρ=1.55

CHEMISTRY

SECTION: 1 2 3 4 5 6 CC

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

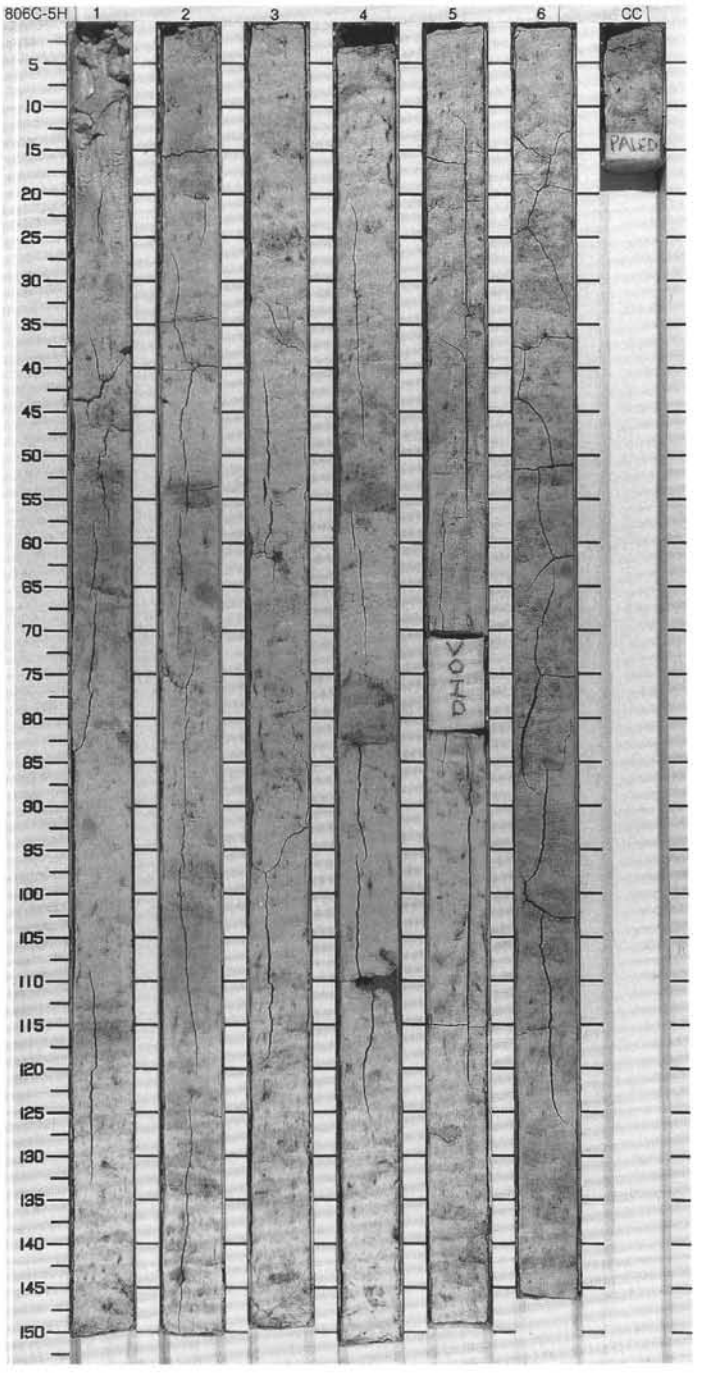
FORAMINIFER NANNOFOSSIL OOZE and NANNOFOSSIL OOZE with FORAMINIFER

Major lithology: This core contains 60% FORAMINIFER NANNOFOSSIL OOZE interbedded with 40% NANNOFOSSIL OOZE with FORAMINIFERS, both white (2.5Y 8/0) in color. The ooze is heavily bioturbated with light gray (2.5Y 7/1) mottles, and pale purple (5P 6/2) pyrite specks. The ooze exhibits 1 cm thick, greenish gray (5G 7/2) and pale purple (5P 6/2) bands.

Minor lithology: Section 4, 83 cm, contains a thin, well-sorted bed of FORAMINIFER OOZE.

SMEAR SLIDE SUMMARY (%):

	2, 75	4, 70
	D	D
TEXTURE:		
Sand	10	15
Silt	50	60
Clay	40	25
COMPOSITION:		
Foraminifers	25	20
Nannofossils	72	78
Radiolarians	1	—
Siliceous fragments	2	2



SITE 806 HOLE C CORE 6H CORED INTERVAL 43.6-53.1 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 PLIOCENE	A/G	N21				V-1550 ϕ=66.4 ρ=1.59		6			VVOID		
	A/M	NN18				V-1557 ϕ=65.7 ρ=1.59		5					
						V-1539 ϕ=67.6 ρ=1.56		4					
						V-1560 ϕ=66.9 ρ=1.58		3					
						V-1519 ϕ=67.3 ρ=1.56		2					
						V-1557 ϕ=64.6 ρ=1.61		1	0.5				
								7	1.0				
								CC					

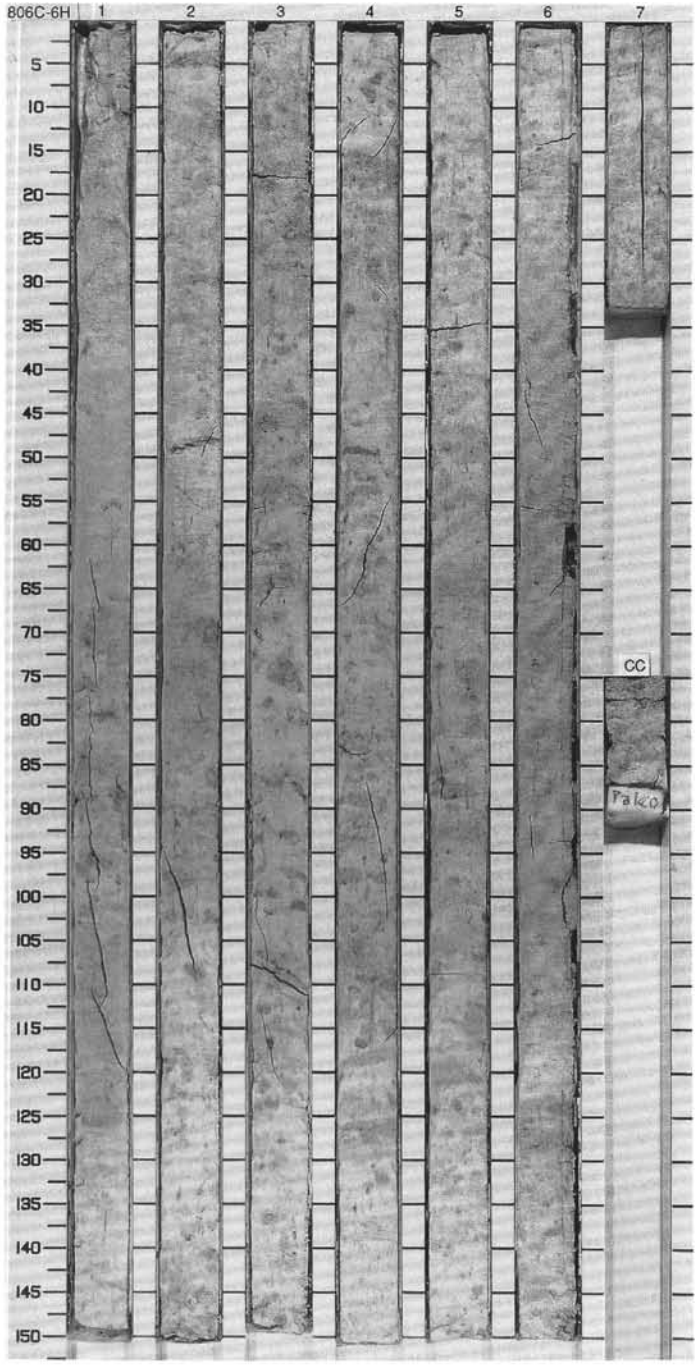
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The ooze is heavily bioturbated, with light gray (2.5Y 7/1) mottles and pale purple (5P 6/2) pyrite specks and "halos". One cm thick, greenish gray (5G 7/2) and pale purple (5P 6/2) bands are common. Section 2, 2 to 4 cm, has a thin graded bed.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	5
Silt	70
Clay	25
COMPOSITION:	
Diatoms	1
Foraminifers	20
Nannofossils	70
Radiolarians	3
Siliceous fragments	5



SITE 806 HOLE C CORE 7H CORED INTERVAL 53.1-62.6 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 PLIOCENE	A/G	N21			V-1532	V-1539 Φ=68.4 ρ=1.56		1	0.5				
	A/M	NN16							1.0	VOID			
						V-1553 Φ=67.4 ρ=1.57		2					
						V-1582 Φ=66.2 ρ=1.59		3					
					V-1553 Φ=68.2 ρ=1.55			4					*
					V-1526 Φ=65.1 ρ=1.60			5					
					Φ=68.0 V-1557 ρ=1.56			6					
					Φ=65.2 ρ=1.59			7					
								CC					

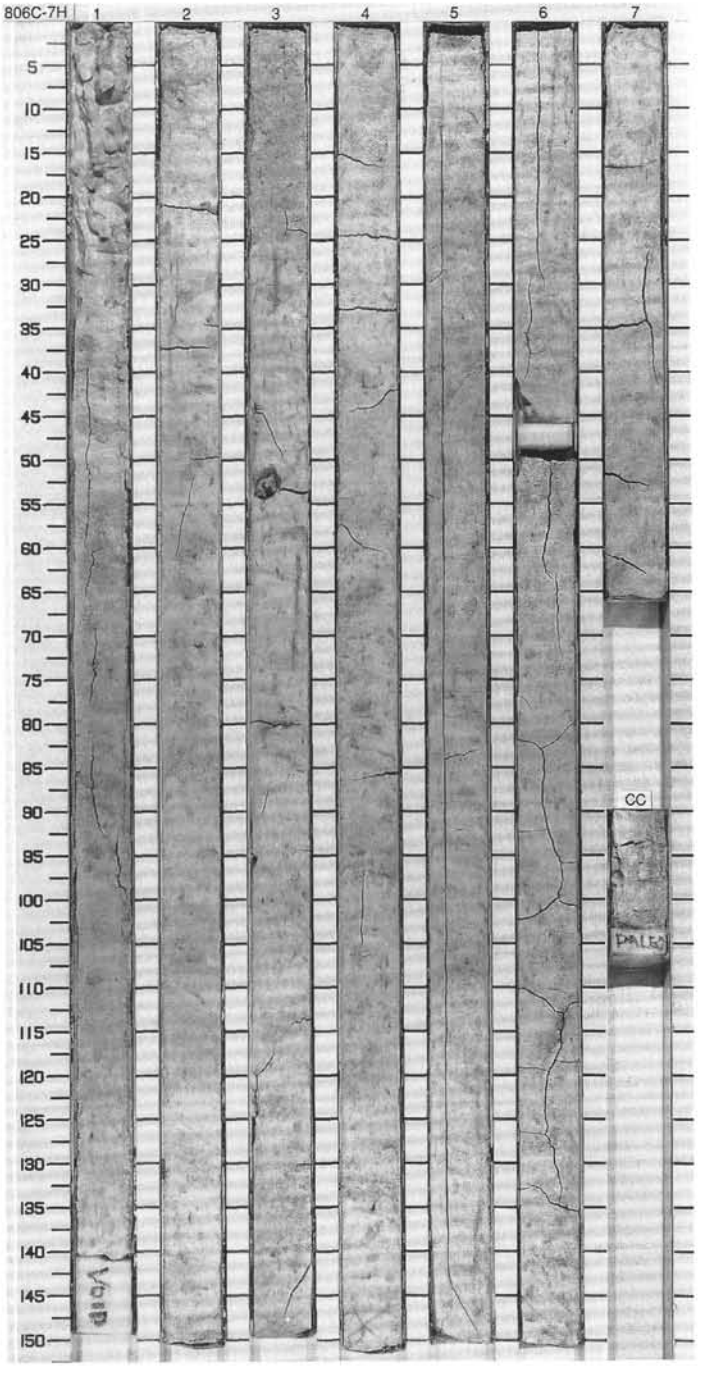
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains about 75% FORAMINIFER NANNOFOSSIL OOZE interbedded with 25% NANNOFOSSIL OOZE with FORAMINIFERS. It is predominantly white (2.5Y 8/0) in color, with abundant light gray (5Y 7/2) and pale purple (5P 6/2) mottles and pyrite specks. These features indicate slight to moderate bioturbation. Several diffuse faint greenish gray (5G 7/1) and fewer pale purple (5P 6/2) color bands were observed. A 2 cm diameter pumice pebble was observed in Section 3, 52 to 54 cm. Trace amounts of volcanic glass were noted in the smear slide from Section 4.

SMEAR SLIDE SUMMARY (%):

	4, 75 D
TEXTURE:	
Sand	20
Silt	50
Clay	30
COMPOSITION:	
Diatoms	Tr
Foraminifers	30
Glass	Tr
Nannofossils	70
Radiolarians	Tr



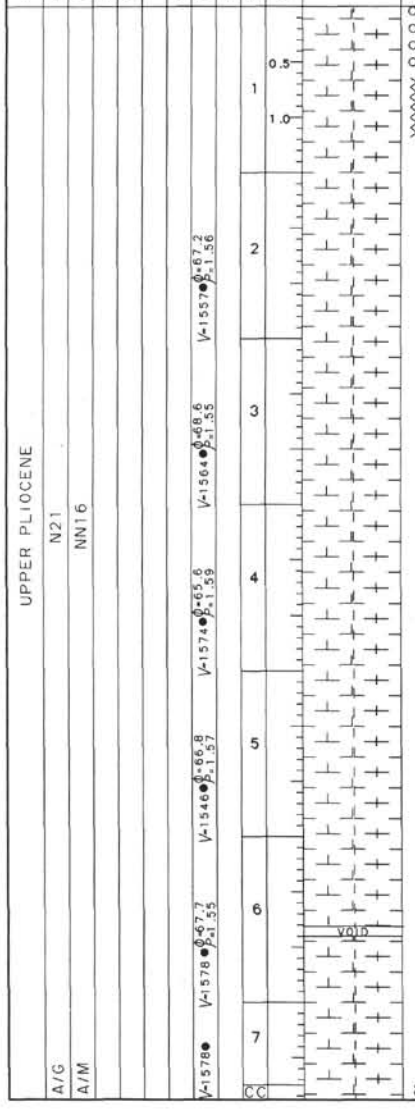
SITE 806 HOLE C CORE 8H CORED INTERVAL 62.6-72.1 mbsf

TIME-ROCK UNIT: UPPER PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS N21 A/G; NANNOFOSSILS NN16 A/M; RADIOLARIANS; DIATOMS

PALEOMAGNETICS; PHYS. PROPERTIES; CHEMISTRY

SECTION; METERS; GRAPHIC LITHOLOGY; DRILLING DISTURB.; SED. STRUCTURES; SAMPLES



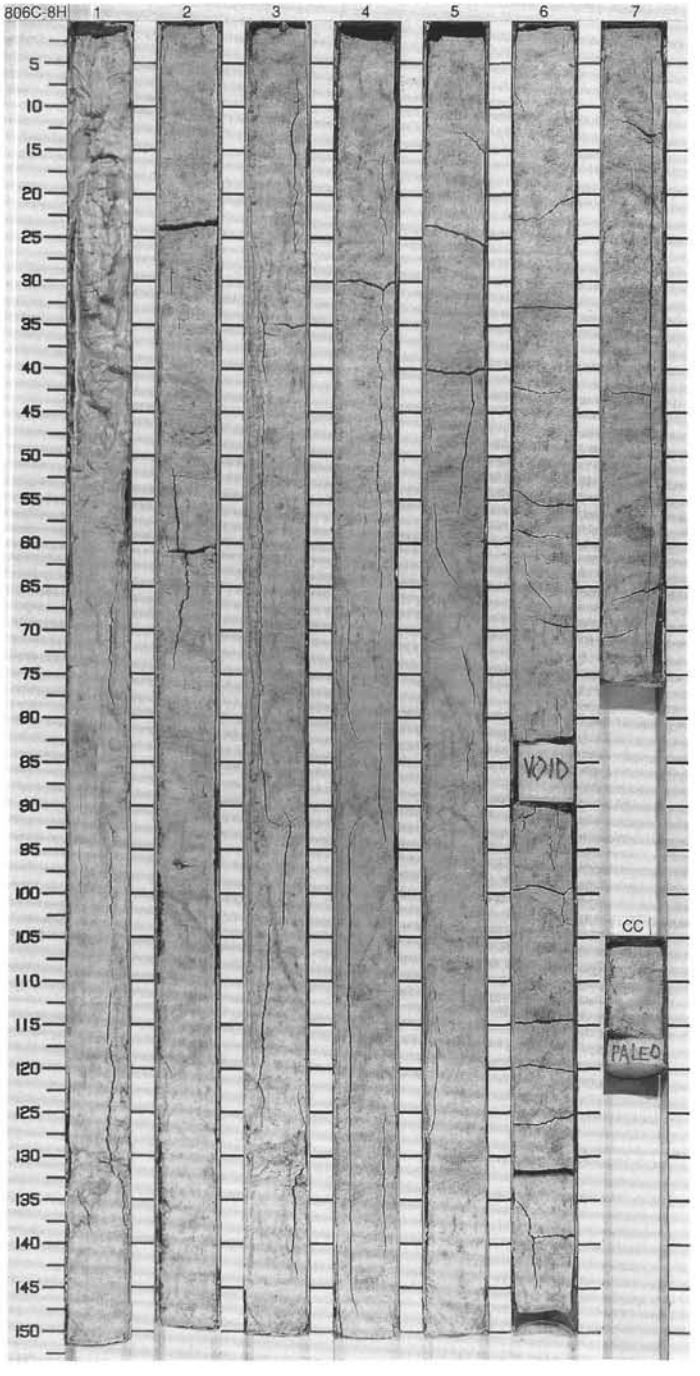
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains predominantly white (2.5Y 8/0 and 10YR 8/2) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE, but the color often grades between white (2.5Y 8/0) and light gray (5Y 7/1). The sediment is moderately to heavily bioturbated, with light gray (5Y 7/2), and pale purple (5P 6/2) mottling common throughout. Faint grayish green (5G 7/2), light greenish gray (5G 7/1), and grayish blue (5PB 5/2) color bands are evident. Long (>10 cm), dipping, grayish blue bands appear in Sections 3 and 4, possibly as parts of burrow "halos".

SMEAR SLIDE SUMMARY (%):

	2, 91 D
TEXTURE:	
Sand	15
Silt	81
Clay	4
COMPOSITION:	
Diatoms	1
Foraminifers	20
Nannofossils	73
Radiolarians	3
Silicoflagellates	2
Spicules	1



SITE 806 HOLE C CORE 9H CORED INTERVAL 72.1-81.6 mbsf

TIME-ROCK UNIT	UPPER PLIOCENE
BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	A/G N19 - N20
NANNOFOSSILS	A/M NN16
RADIOLARIANS	
DIATOMS	
PALEOMAGNETICS	
PHYS. PROPERTIES	V=1574 ● V=1578 ● Φ=67.5 ρ=1.56 V=1571 ● V=1571 ● Φ=67.9 ρ=1.55 V=1570 ● Φ=69.9 ρ=1.52 V=1553 ● Φ=69.6 ρ=1.53
CHEMISTRY	
SECTION	CC 7 6 5 4 3 2 1
METERS	1.0 0.5
GRAPHIC LITHOLOGY	
DRILLING DISTURB.	
SED. STRUCTURES	
SAMPLES	*

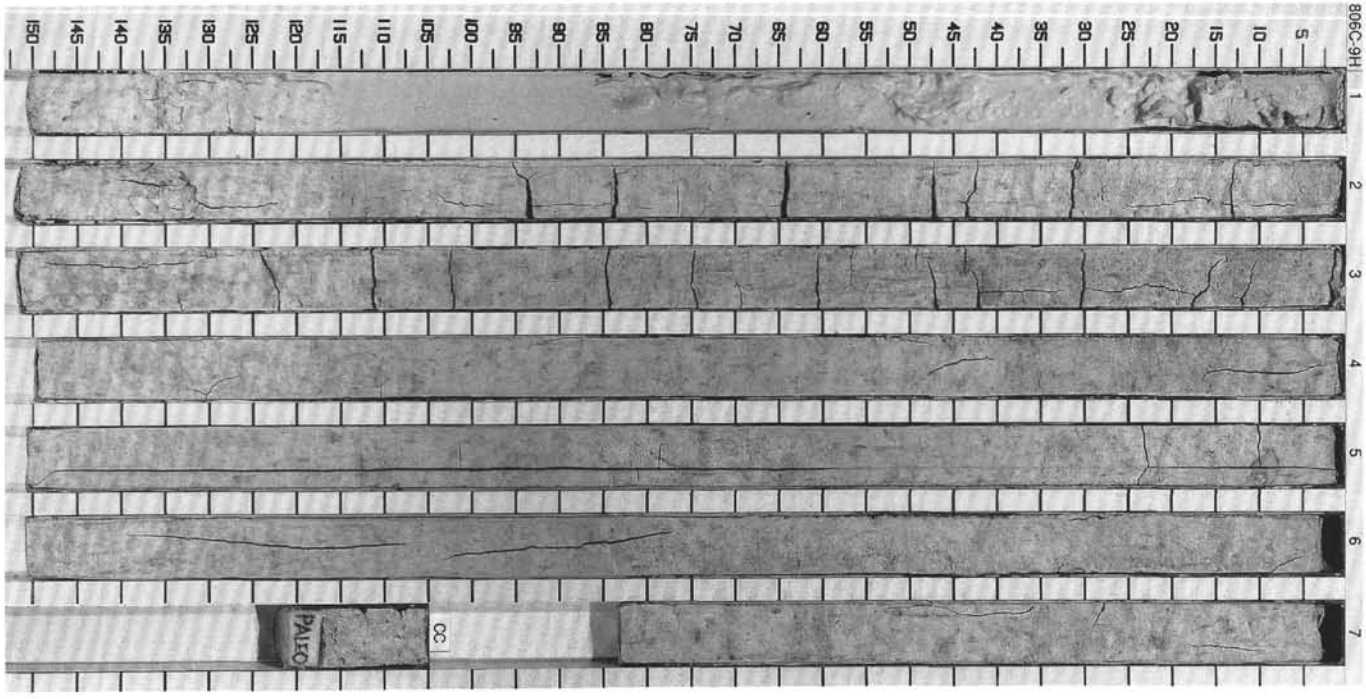
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS; interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0 and 10YR 8/2) NANNOFOSSIL OOZE FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. The sediment is moderately to heavily bioturbated, with light gray (5Y 7/2) and grayish blue (5PB 5/2) mottles. Faint and diffuse, grayish green (5G 7/2), light greenish gray (5G 7/1), and grayish blue (5PB 5/2) color bands are present throughout.

SMEAR SLIDE SUMMARY (%):

	2, 90	D
TEXTURE:		
Sand	15	
Silt	80	
Clay	5	
COMPOSITION:		
Foraminifers	11	
Nannofossils	85	
Radiolarians	3	
Silicoflagellates	1	



SITE 806 HOLE C CORE 10H CORED INTERVAL 81.6-91.1 mbsf

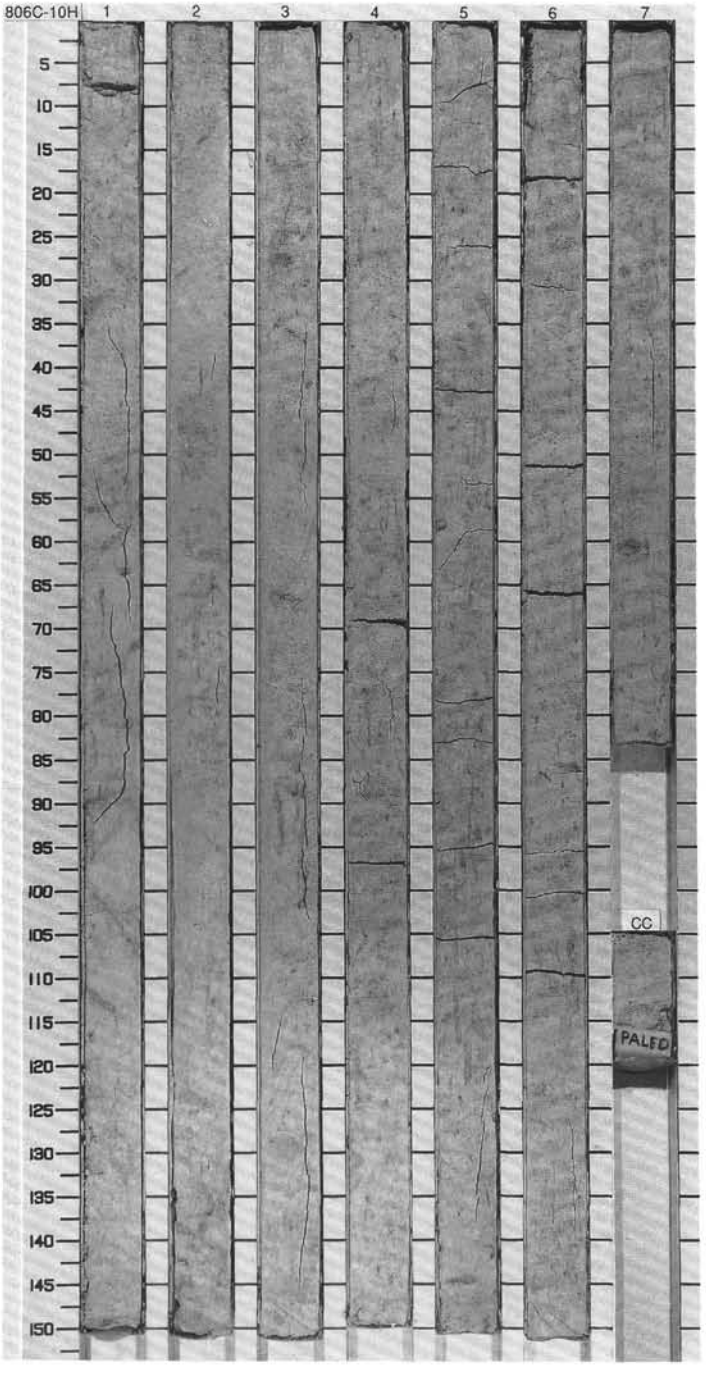
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER PLIOCENE	A/G N19 - N20	A/M NN16						1	0.5				
									1.0				
								2					
								3					
								4					
								5					
								6					
								7					
								CC					

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0 and 5Y 8/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE, which have light gray (5Y 7/2) and grayish blue (5PB 5/2) mottles. The sediment is moderately to heavily bioturbated. Numerous faint and diffuse, grayish green (5G 7/2), light greenish gray (5G 7/1), and grayish blue (5PB 5/2) color bands are present throughout. Inclined, grayish blue color bands in Section 1 may be part of burrow "halos".

SMEAR SLIDE SUMMARY (%):

	4, 96 D
TEXTURE:	
Sand	20
Silt	75
Clay	5
COMPOSITION:	
Foraminifers	15
Nannofossils	82
Radiolarians	2
Silicoflagellates	1



SITE 806 HOLE C CORE 11H CORED INTERVAL 91.1-100.6 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
LOWER PLIOCENE	A/G	A/G				V-1557 Φ=63.6 ρ=1.62 V-1557 Φ=65.1 ρ=1.60 V-1574 Φ=65.6 ρ=1.59 V-1585 Φ=65.7 ρ=1.59 V-1553 Φ=64.4 ρ=1.60		1 2 3 4 5 6 7 CC	0.5 1.0				*

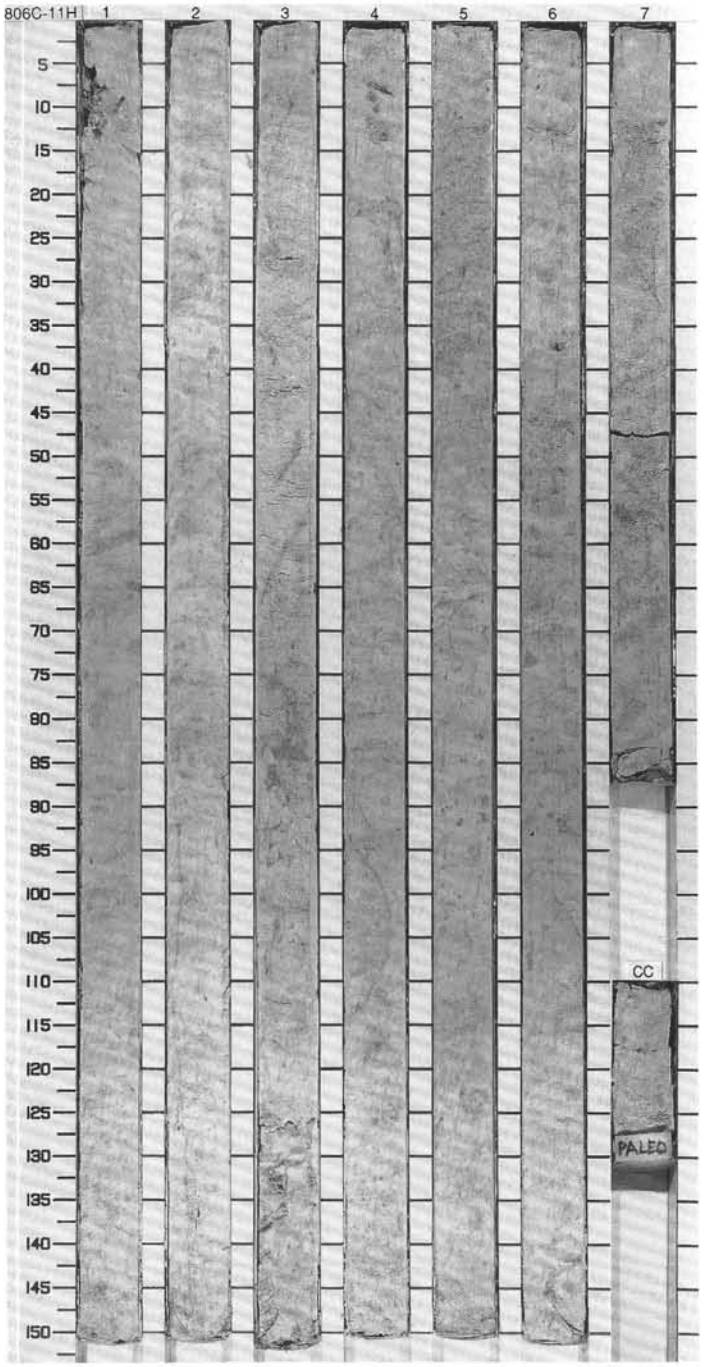
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0) to light gray (5Y 7/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. The sediment is moderately to heavily bioturbated, with light gray (5Y 7/2) and grayish blue (5PB 5/2) mottles. Numerous faint and diffuse, grayish green (5G 7/2), light greenish gray (5G 7/1), and grayish blue (5PB 5/2) color bands, as well as burrow "halos", are present throughout.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Foraminifers	15
Nannofossils	84
Radiolarians	1



SITE 806 HOLE C CORE 12H CORED INTERVAL 100.6-110.1 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 PLIOCENE	A/G N18 - N19	A/M NN13 - NN15			V-1550 D=65.4 I=1.59	V-1550 D=66.9 I=1.57 V-1540 D=65.5 I=1.58 V-1565 V-1543 D=65.9 I=1.59 V-1547 D=63.6 I=1.63		1 2 3 4 5 6 7 CC	0.5 1.0		C C		*

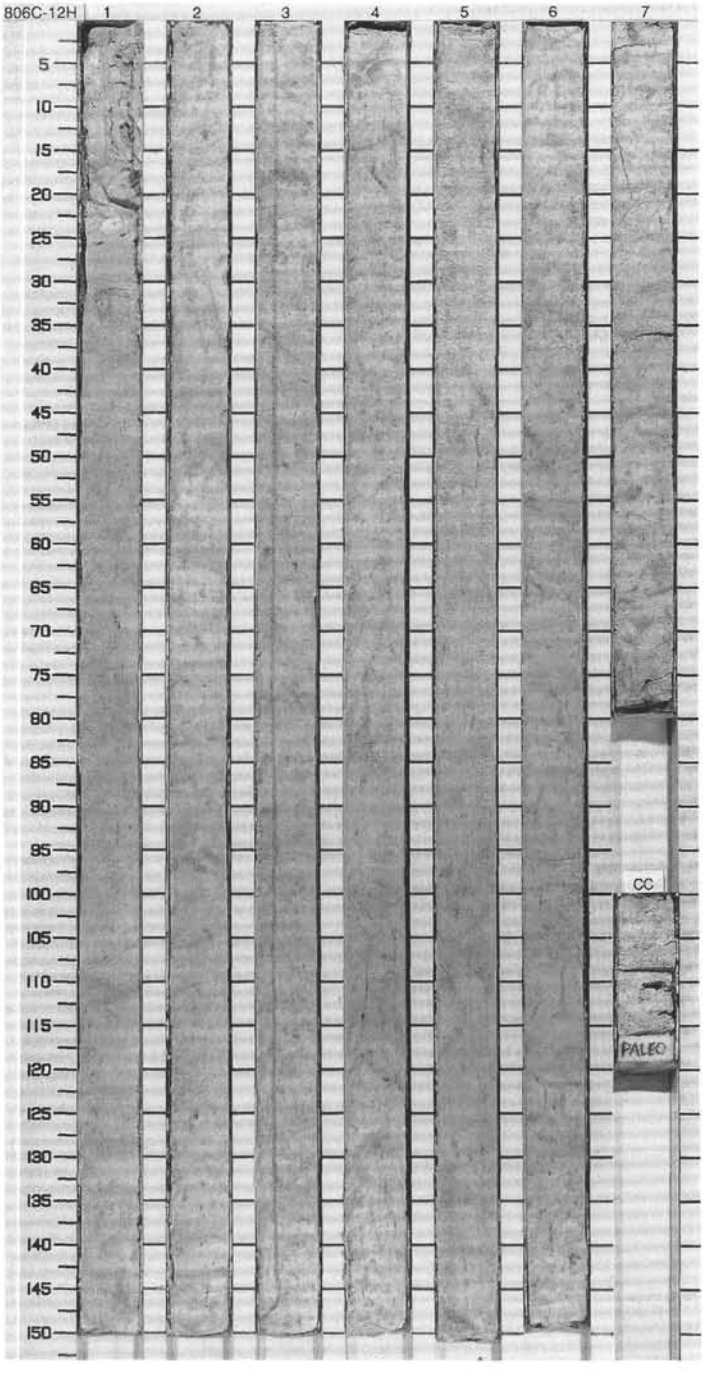
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

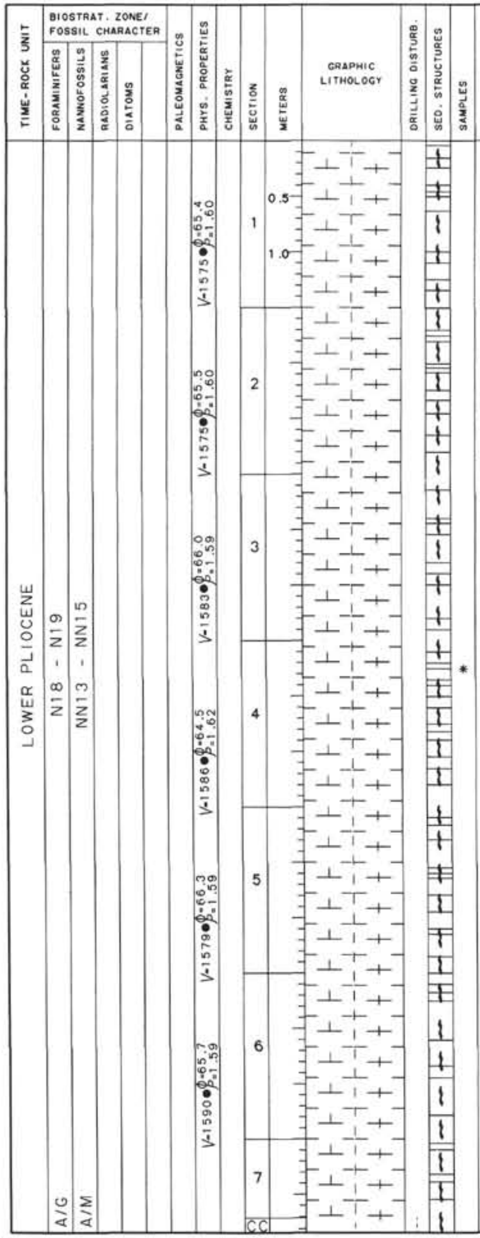
Major lithology: This core contains white (5Y 8/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. Moderate to heavy bioturbation is evident from abundant light gray (5Y 7/2) mottles, and pyritized burrow fills and specks. Some burrows exhibit pale purple (5P 6/2) halos. Diffuse, faint, cm thick, greenish gray (5G 7/1) color bands are frequently present; pale purple bands are less frequent throughout the core. In Sections 2, 3 and 4, a few dipping color bands were observed.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	12
Silt	55
Clay	33
COMPOSITION:	
Accessory minerals	2
Foraminifers	26
Nannofossils	69
Radiolarians	Tr
Siliceous fragments	3



SITE 806 HOLE C CORE 13H CORED INTERVAL 110.1-119.6 mbsf



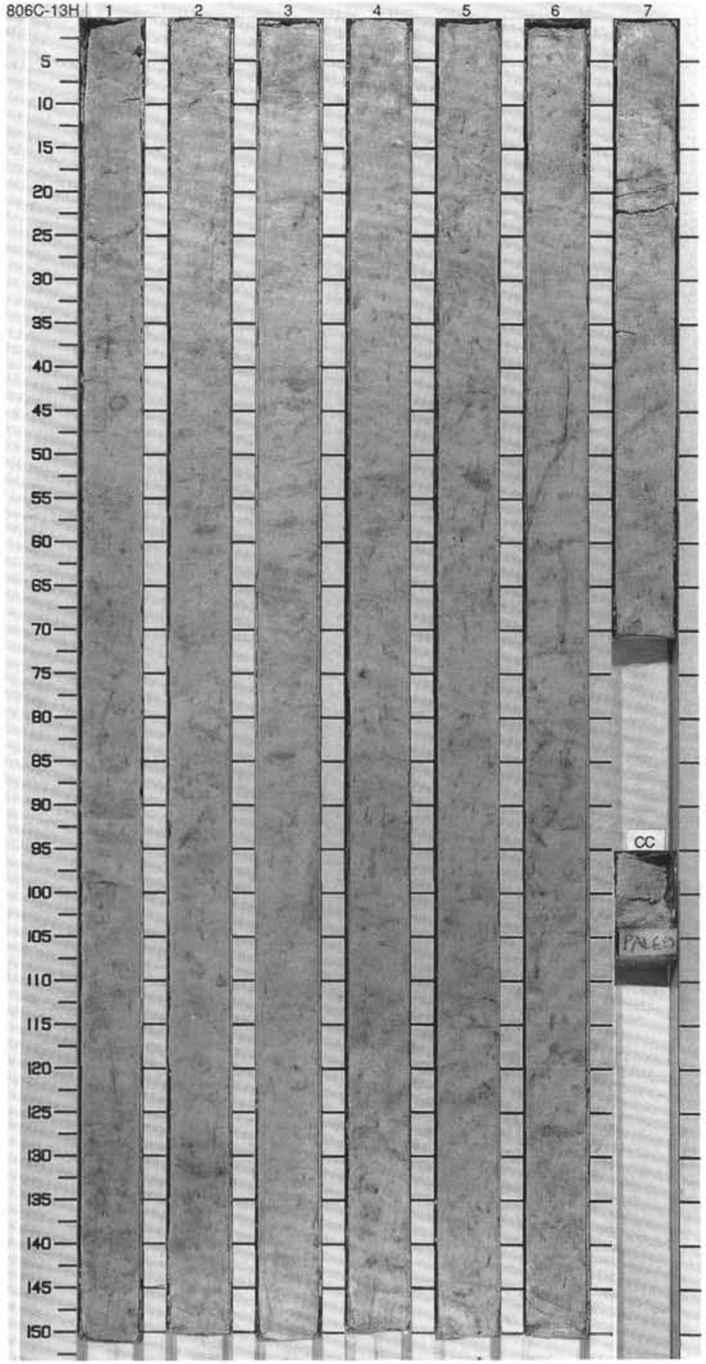
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (5Y 8/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. Moderate bioturbation is evident from abundant light gray (5Y 7/1 to 5Y 7/2) mottles and grayish blue (5PB 5/2) pyritized burrow fills and specks. Diffuse, cm thick, light greenish gray (5G 7/1) and grayish blue (5PB 5/2) color bands are frequently observed. Long (10 to 20 cm) grayish blue (5PB 5/2) vertical bands and burrow "halos" are noted.

SMEAR SLIDE SUMMARY (%):

	4, 27
	D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Foraminifers	12
Nannofossils	87
Silicoflagellates	1



SITE 806 HOLE C CORE 14H CORED INTERVAL 119.6-129.1 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 PLIOCENE	A/M N18 - N19	A/M NN13 - NN15				V=1543 ● 0-64.5 ρ=1.60 V=1575 ● 0-65.3 ρ=1.60 V=1583 ● 0-64.3 ρ=1.62 V=1589 ● 0-65.5 ρ=1.59 V=1557 ● 0-62.4 ρ=1.65 V=1586 ● 0-65.5 ρ=1.59		1 2 3 4 5 6 7 CC	0.5 1.0			*	

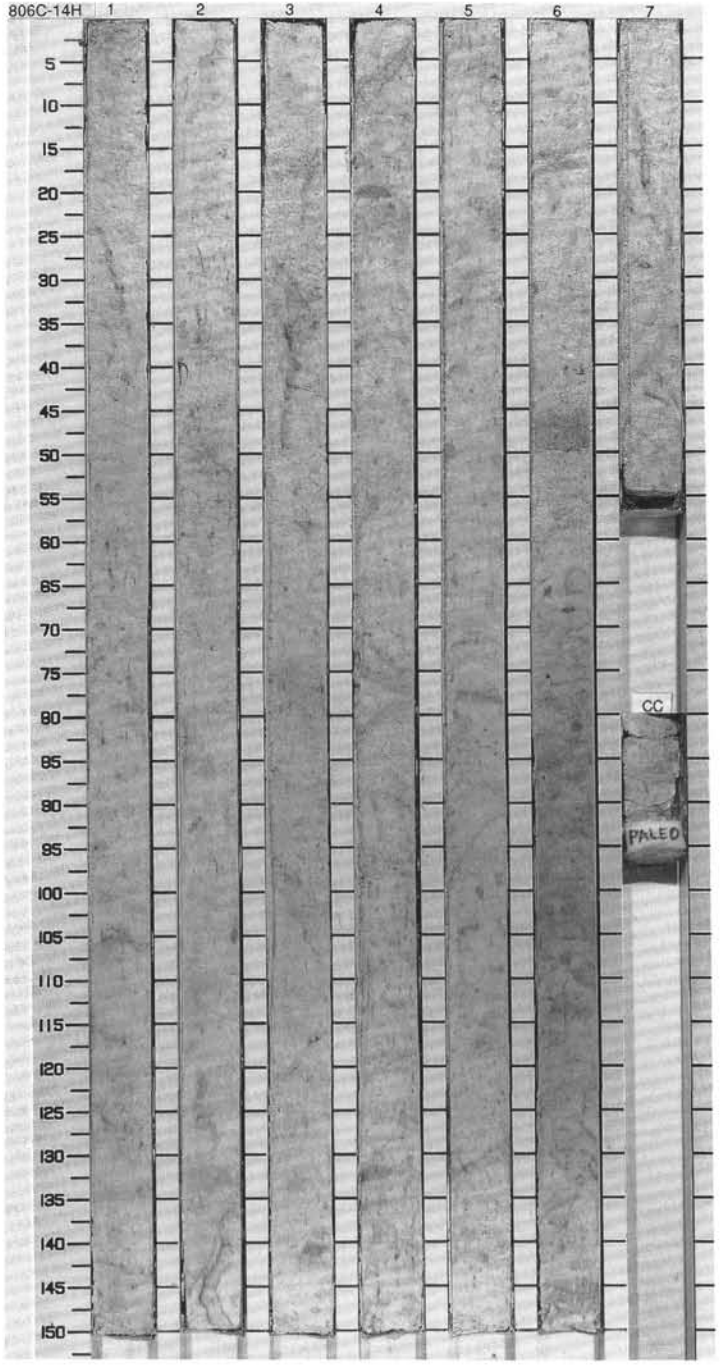
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (5Y 8/1) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. The sediments are moderately to heavily bioturbated, with light gray (5Y 7/1, 5Y 7/2 and N7/) and grayish blue (5PB 5/2) mottling and pyritized burrow linings common throughout. Diffuse, cm thick, light greenish gray (5G 7/1) and grayish blue (5PB 5/2) color bands also are common.

SMEAR SLIDE SUMMARY (%):

	2, 98 D
TEXTURE:	
Sand	15
Silt	80
Clay	5
COMPOSITION:	
Foraminifers	10
Nannofossils	87
Radiolarians	2
Silicoflagellates	1



SITE 806 HOLE C CORE 15H CORED INTERVAL 129.1-138.6 mbsf

TIME-ROCK UNIT: LOWER PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS A/M N18 - N19; NANNOFOSSILS A/G NN13 - NN15; RADIOLARIANS; DIATOMS

PALEOMAGNETICS

PHYS. PROPERTIES: V-1624 ρ=64.3 p=1.61; V-1586 ρ=65.0 p=1.61; V-1586 ρ=64.2 p=1.61; V-1586 ρ=64.2 p=1.61; V-1583 ρ=65.8 p=1.59; V-1561 ρ=64.3 p=1.61

CHEMISTRY

SECTION: 1 2 3 4 5 6 7 CC

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: *

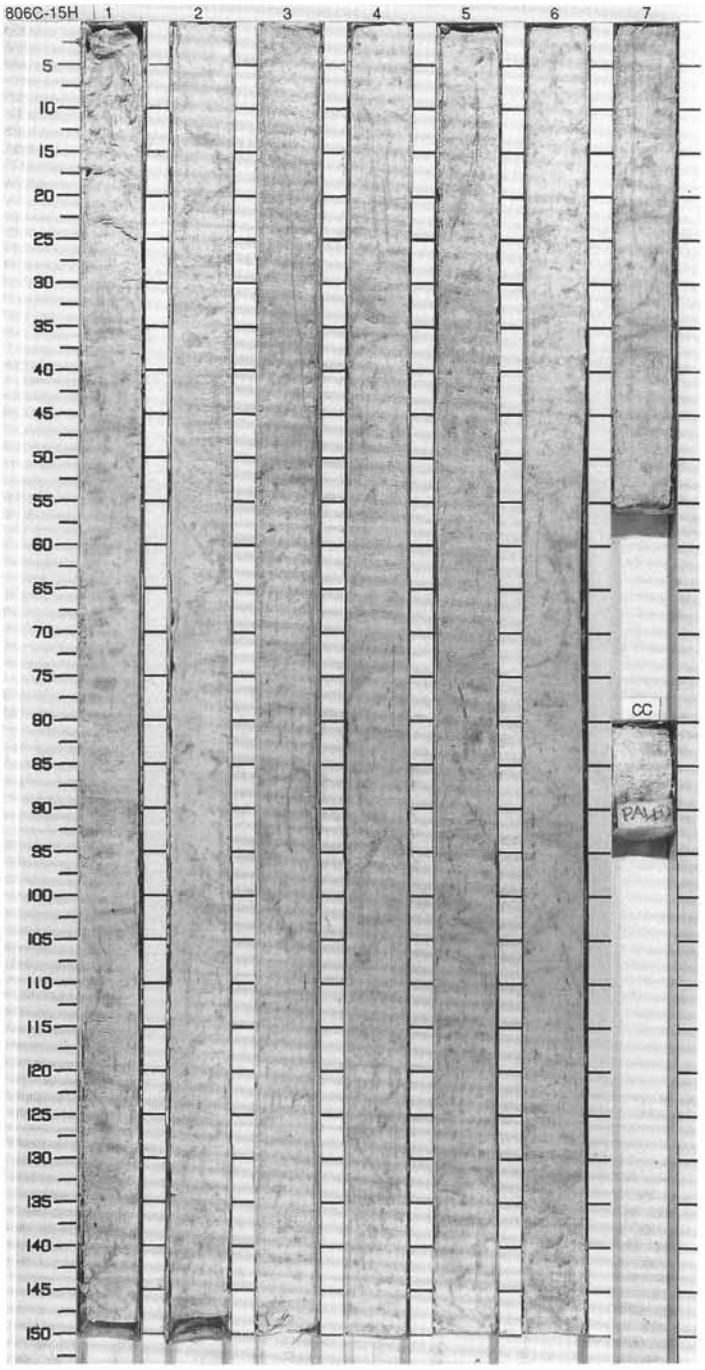
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (5Y 8/1 and 2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL OOZE. The sediments are moderately to heavily bioturbated, with light gray (5Y 7/1, 5Y 7/2 and N7/), cm scale (mainly horizontal) mottles. Grayish blue (5PB 5/2) and pale purple (5P 6/2) mottling and pyritized burrow linings appear frequently throughout the core. Diffuse, cm thick, light greenish gray (5G 7/1), pale purple (5P 6/2) and grayish blue (5PB 5/2) color bands are common.

SMEAR SLIDE SUMMARY (%):

	3, 77 D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Foraminifers	12
Nannofossils	85
Radiolarians	1
Siliceous fragments	1
Silicoflagellates	1



SITE 806 HOLE C CORE 16H CORED INTERVAL 138.6-148.1 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 PLIOCENE	A/M	A/M				V-1605 @ 65-2, p. 1.60 V-1605 @ 64-2, p. 1.62 V-1590 @ 64-3, p. 1.62 V-1601 @ 64-1, p. 1.62 V-1590 @ 64-5, p. 1.62		1 2 3 4 5 6 7 CC	0.5 1.0				*

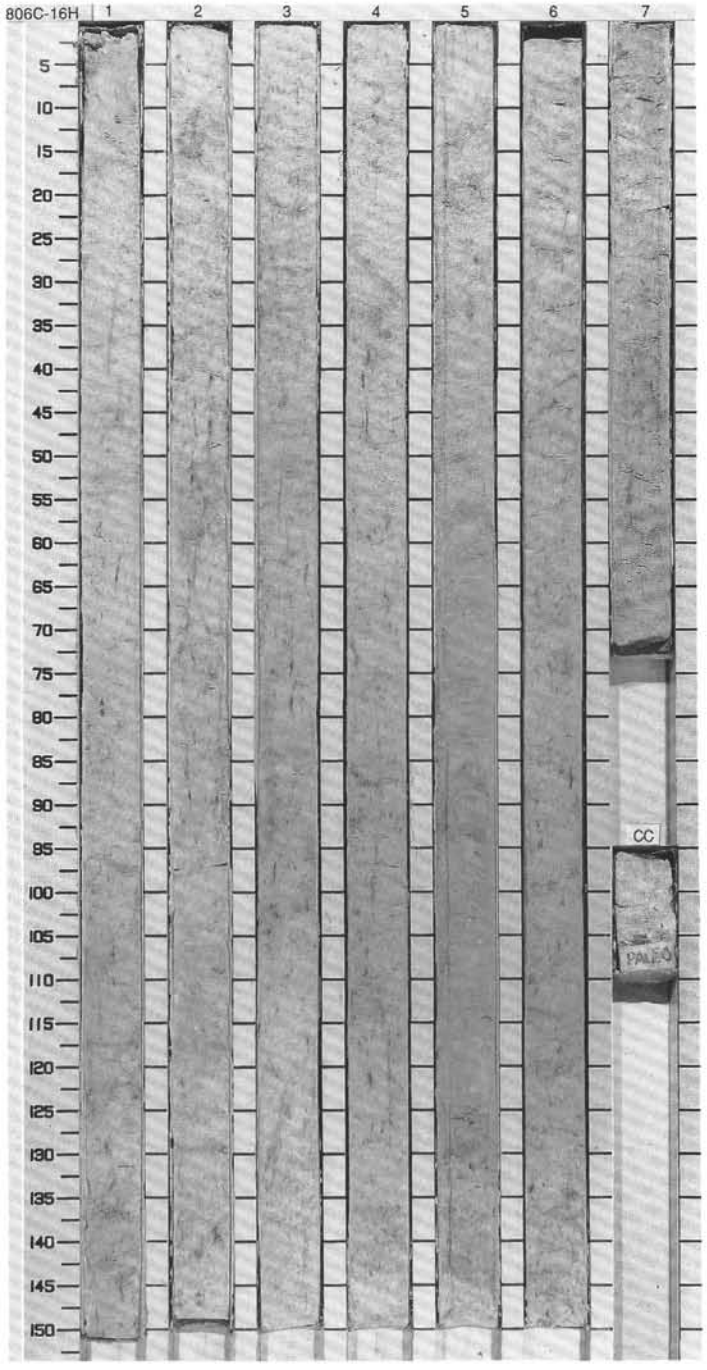
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL OOZE with FORAMINIFERS. The sediments are slightly to heavily bioturbated, with light gray (5Y 7/1 and 5Y 7/2) cm scale (mainly horizontal) mottles and grayish blue (5PB 5/2), mm scale, pyritic burrow fills. Diffuse light greenish gray (5G 7/1) and grayish blue (5PB 5/2), cm thick color bands are common. Short (cm size), more indurated intervals are present in Sections 6 and 7. Section 5, 61-124 cm, is stretched and moderately disturbed by coring.

SMEAR SLIDE SUMMARY (%):

	3, 99 D
TEXTURE:	
Sand	15
Silt	82
Clay	3
COMPOSITION:	
Foraminifers	10
Nannofossils	86
Radiolarians	3
Silicoflagellates	1



SITE 806 HOLE C CORE 17H CORED INTERVAL 148.1-157.6 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
LOWER PLIOCENE	A/G N18 - N19	A/M NN12			V-1579 Ø-63.1 ρ-1.63	V-1590 Ø-63.5 ρ-1.63	V-1579 Ø-64.1 ρ-1.62	V-1594 Ø-63.8 ρ-1.61	V-1624 Ø-63.8 ρ-1.62	V-1620 Ø-64.8 ρ-1.61	1 2 3 4 5 6 7 CC	0.5 1.0		*	

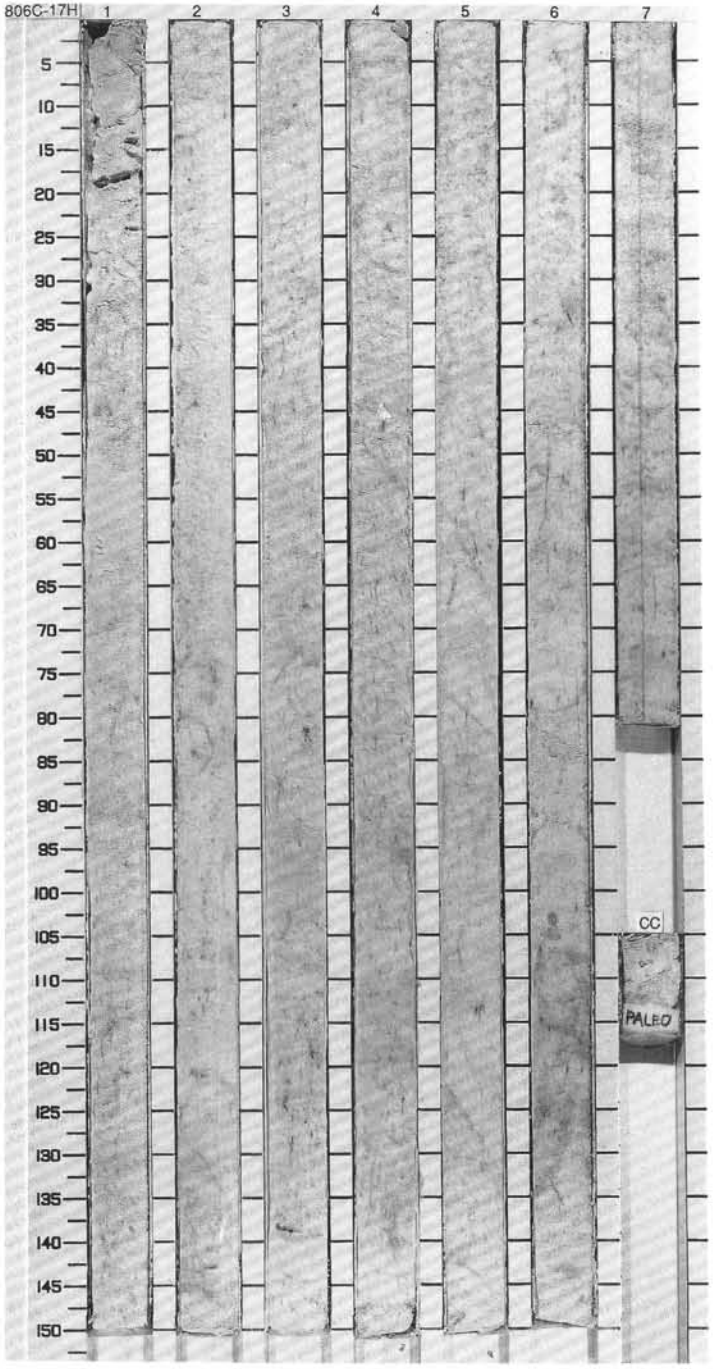
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0 and 10YR 8/1) NANNOFOSSIL OOZE with FORAMINIFERS. The sediments are slightly to heavily bioturbated, with light gray (5Y 7/1 and 5Y 7/2), cm scale (mainly horizontal) mottles and grayish blue (5PB 5/2), cm to mm scale, pyritic burrow fills. Diffuse, light greenish gray (5G 7/1) and grayish blue (5PB 5/2), cm thick color bands and "halos", and vertical to steeply inclined grayish blue (5PB 5/2) color bands are common.

SMEAR SLIDE SUMMARY (%):

	3, 87 D
TEXTURE:	
Sand	25
Silt	70
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	75
Radiolarians	4
Silicoflagellates	1



SITE 806 HOLE C CORE 18H CORED INTERVAL 157.6-167.1 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 MIOCENE	A/M	N17b						1	0.5				
	A/M	NN12							1.0				
								2					
								3					
								4					
								5					
								6					
								7					
								CC					

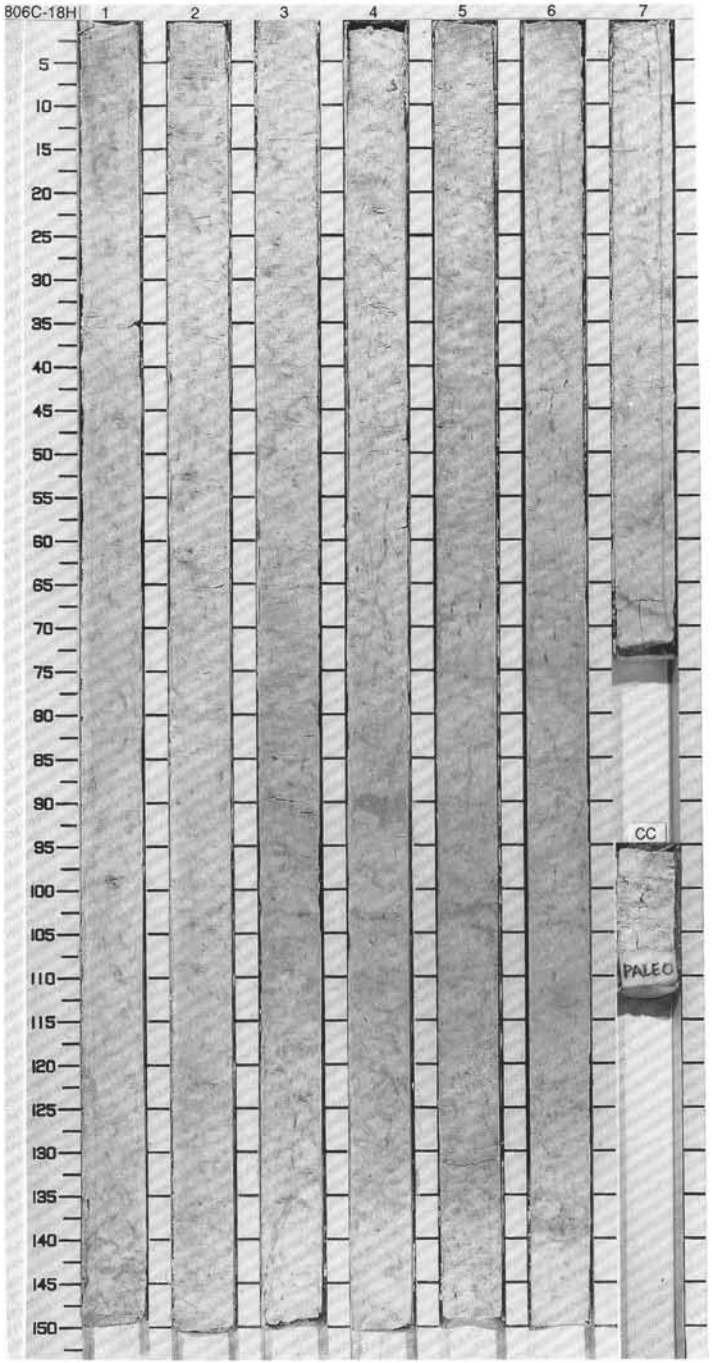
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains slightly to heavily bioturbated, white)7/5YR 8/0 and 2.5Y 8/0) NANNOFOSSIL OOZXE with FORAMINIFERS. Evidence for burrowing includes cm scale, light gray (5Y 7/1 and 2.5Y 7/2) mottling and mm scale, grayish blue (5PB 5/2) and pale purple (5P 6/2), pyritic burrow fills. Irregular, vertical, grayish blue (5PB 5/2) and pale purple bands (5P 6/2) are probably parts of large burrow "halos". Diffuse, horizontal, light greenish gray (5G 7/1 and 5GY 7/1) and pale purple (5P 6/2) to grayish blue (5PB 5/2) color bands are present throughout the core, and become more abundant downcore.

SMEAR SLIDE SUMMARY (%):

	3, 90 D
TEXTURE:	
Sand	15
Silt	83
Clay	2
COMPOSITION:	
Foraminifers	10
Nannofossils	87
Radiolarians	2
Silicoflagellates	1



SITE 806 HOLE C CORE 19H CORED INTERVAL 167.1-176.6 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 MIOCENE	A/G	N17b	NN12	A		V-1586 Φ=63.7 ρ=1.62 V-1601 Φ=62.1 ρ=1.65 V-1572 Φ=62.9 ρ=1.63 V-1590 Φ=63.1 ρ=1.65 V-1586 Φ=58.0 ρ=1.71 V-1597 Φ=63.6 ρ=1.62		1 2 3 4 5 6 7 CC	0.5 1.0		O		*	

LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains slightly to heavily bioturbated, predominantly white (7/5YR 8/0 and 2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Heavily bioturbated intervals are light gray (5Y 7/1) to light brownish gray (2.5Y 6/2). Evidence for burrowing includes cm scale, light gray (5Y 7/1 and 2.5Y 7/2) to light brownish gray (2.5Y 6/2) mottling and mm scale, grayish blue (5PB 5/2) and pale purple (5P 6/2) pyritic burrow fills. Irregular vertical, grayish blue (5PB 5/2) and pale purple (5P 6/2) bands are probably parts of large burrow "halos". Diffuse, horizontal, light greenish gray (5G 7/1 and 5GY 7/1) and pale purple (5P 6/2) to grayish blue (5PB 5/2) color bands are present throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	15
Silt	83
Clay	2
COMPOSITION:	
Foraminifers	20
Nannofossils	78
Radiolarians	1
Silicoflagellates	1

SITE 806 HOLE C CORE 20H CORED INTERVAL 176.6-186.1 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 MIOCENE	A/G	A/M			* V-1594 Φ=62.1 ρ=1.65	V-1612 Φ=60.7 ρ=1.67	V-1612 Φ=63.2 ρ=1.63	V-1601 Φ=63.8 ρ=1.62	V-1586 Φ=63.2 ρ=1.63	V-1586 Φ=63.4 ρ=1.63				
	N17b	NN11						1	0.5					
									1.0					
								2						
								3					*	
								4						
								5						
								6						
								7						
								CC						

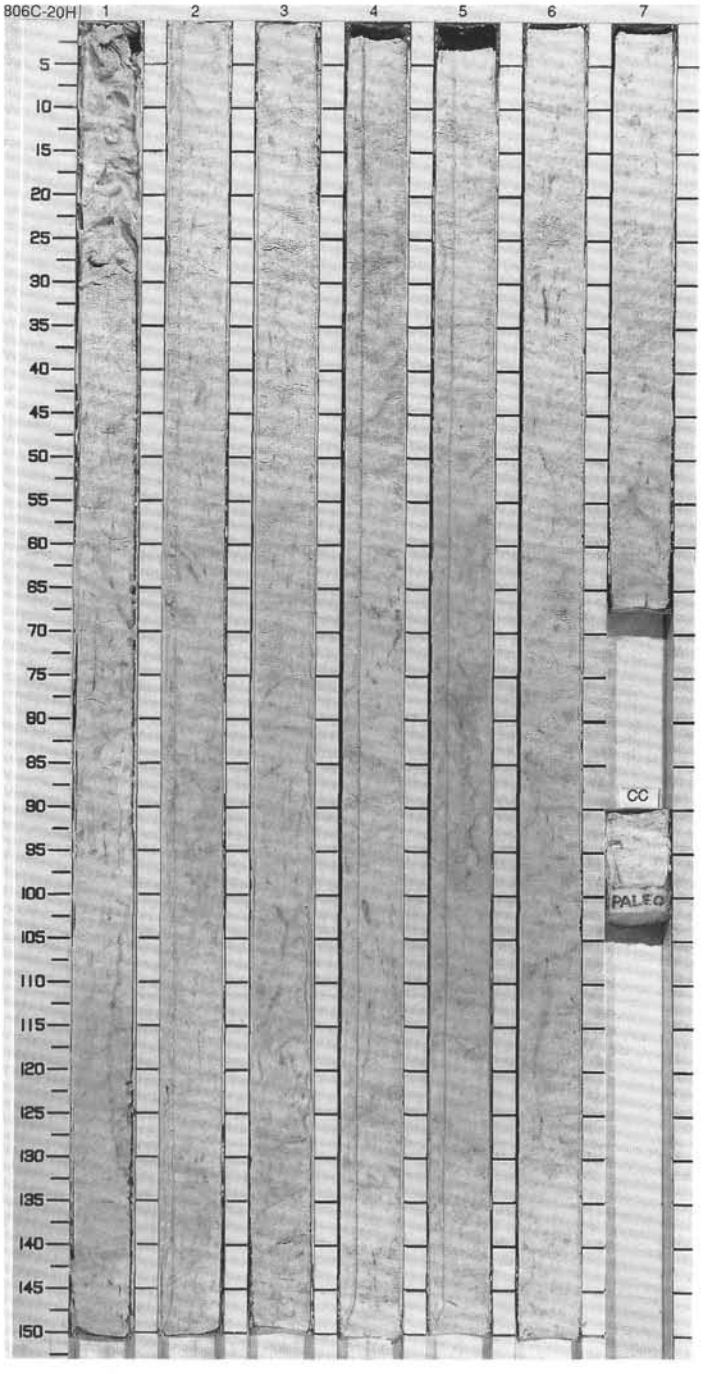
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (5Y 8/1 and 2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS and is moderately bioturbated as indicated by light gray (5Y 7/1 and N6/) mottling. Pyritic burrow fills (mm size) are present, with associated grayish blue (5PB 5/2) mottling and "halos". Diffuse horizontal, light greenish gray (5G 7/1), pale purple (5P 6/2) and grayish blue (5PB 5/2) color bands are present throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 100 D
TEXTURE:	
Sand	13
Silt	65
Clay	22
COMPOSITION:	
Diatoms	1
Foraminifers	13
Nannofossils	86
Radiolarians	Tr



SITE 806 HOLE C CORE 21H CORED INTERVAL 186.1-195.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	BIOSTRAT. ZONE/ FOSSIL CHARACTER: NANNOFOSSILS	BIOSTRAT. ZONE/ FOSSIL CHARACTER: RADIOLARIANS	BIOSTRAT. ZONE/ FOSSIL CHARACTER: DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	A/G	N17b	NN11	A		V=1620 ● 0-62.5 ρ=1.65 V=1594 ● 0-63.8 ρ=1.63 V=1601 ● 0-62.3 ρ=1.64 V=1612 ● 0-63.0 ρ=1.63 V=1609 ● 0-61.4 ρ=1.67 V=1612 ● 0-62.1 ρ=1.65		1 2 3 4 5 6 7 CC	0.5 1.0				*

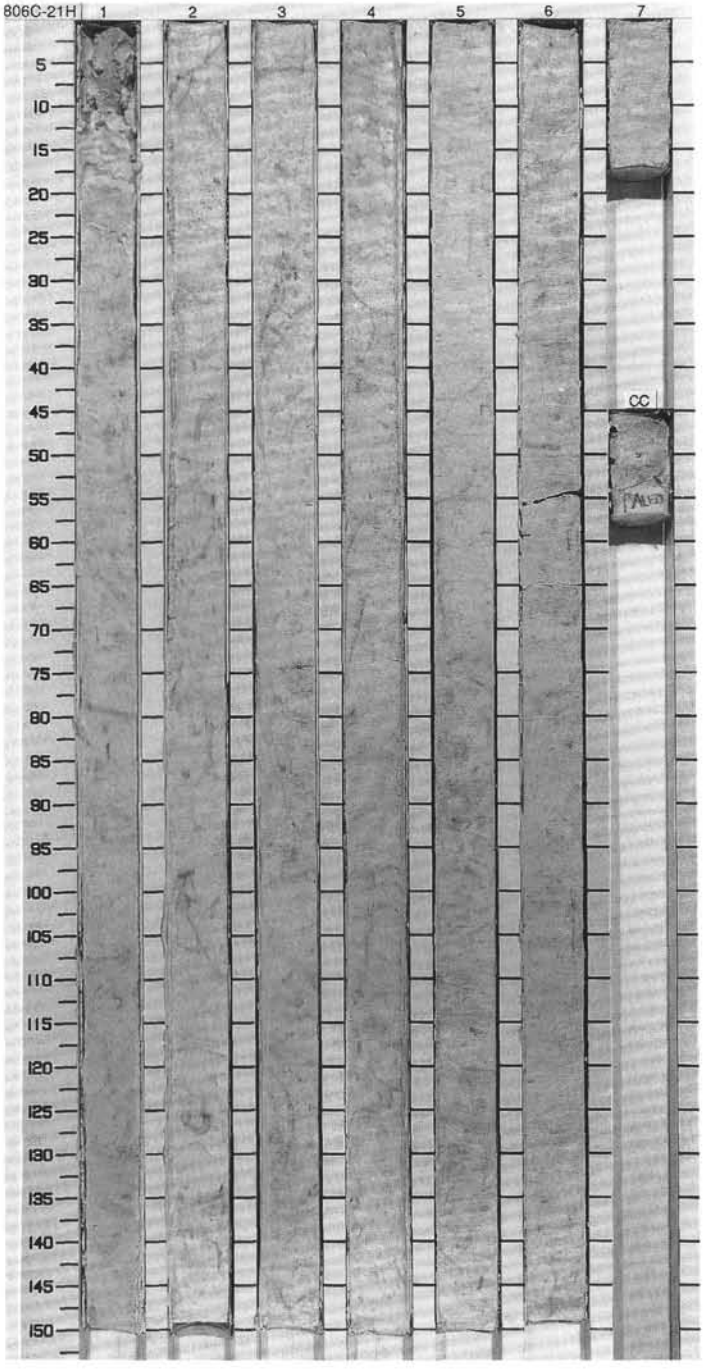
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0 and 7/5YR 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Bioturbation is slight to moderate throughout the core, and is expressed as light gray (5Y 7/1 and 2.5Y 7/2), pale purple (5P 6/2), and grayish blue (5PB 5/2), cm scale mottling. Vertical pale purple (5P 6/2) and grayish blue (5PB 5/2) color bands are probably portions of large burrow "halos". Diffuse horizontal, light greenish gray (5G 7/1 and 5GY 7/1) and pale purple (5P 5/2) color bands are common in Sections 4 and 6, but rare in the remainder of the core. A microfault is present in Section 4, 5-15 cm.

SMEAR SLIDE SUMMARY (%):

	3, 100 D
TEXTURE:	
Sand	10
Silt	87
Clay	3
COMPOSITION:	
Foraminifers	10
Nannofossils	88
Radiolarians	1
Silicoflagellates	1



SITE 806 HOLE C CORE 22H CORED INTERVAL 195.6-205.1 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION
UPPER MIOCENE	N17a	NN11				V-1632 ● Φ=61.5 ρ=1.67		1
								2
						V-1605 ● Φ=63.0 ρ=1.64		3
						V-1605 ● Φ=63.2 ρ=1.63		4
						V-1601 ● Φ=63.1 ρ=1.63		5
						V-1612 ● Φ=62.4 ρ=1.65		6
								7
	A/M	A						CC

GRAPHIC LITHOLOGY · DRILLING DISTURB. · SED. STRUCTURES · SAMPLES

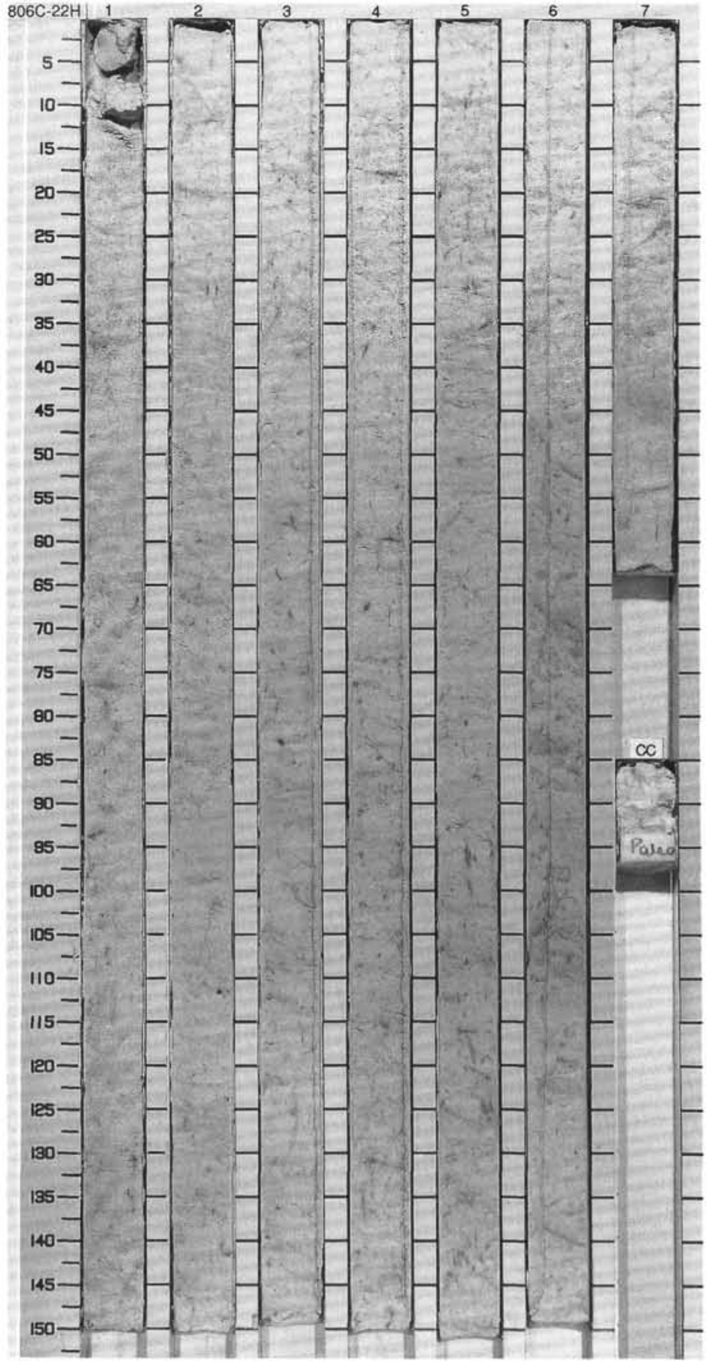
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (7.5YR 8/0) FORAMINIFER NANNOFOSSIL OOZE. Bioturbation is light to moderate and is expressed as cm scale, light gray (5Y 7/1), predominantly horizontal burrows, mm scale, grayish blue (5PB 5/2) pyritic burrow fills, and cm scale, horizontal grayish blue (5PB 5/2) burrows. Large grayish blue (5PB 5/2) "halos" also are present, as are grayish green (5G 5/2) mottles. Diffuse light greenish gray (5G 7/1) and pale purple (5P 6/2) color bands are common.

SMEAR SLIDE SUMMARY (%):

	3, 77 D
TEXTURE:	
Sand	15
Silt	83
Clay	2
COMPOSITION:	
Foraminifers	25
Nannofossils	73
Radiolarians	1
Silicoflagellates	1



SITE 806 HOLE C CORE 23H CORED INTERVAL 205.1-214.6 mbsf

TIME-ROCK UNIT: UPPER MIOCENE

BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS A/G; NANNOFOSSILS N17a, A/M NN11; RADIOLARIANS; DIATOMS

PALEOMAGNETICS

PHYS. PROPERTIES

CHEMISTRY

SECTION: 1, 2, 3, 4, 5, 6, 7, CC

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

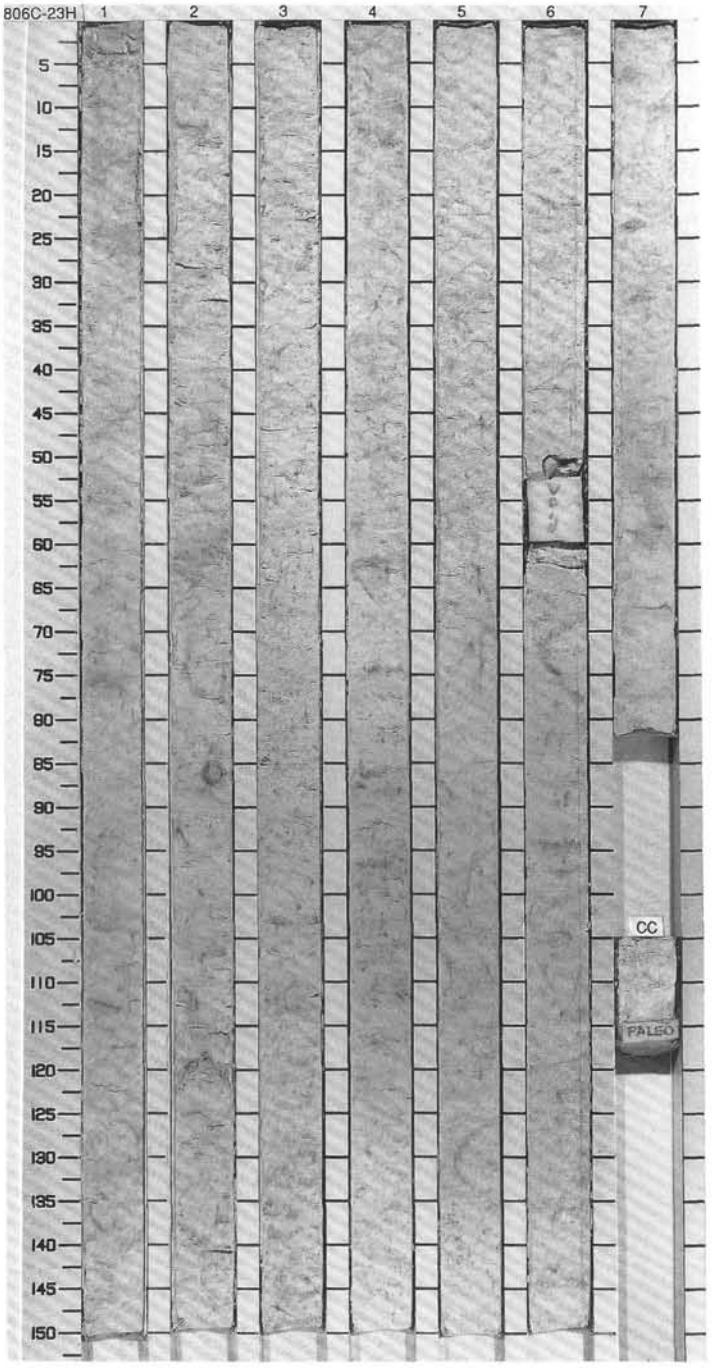
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0 and 5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Bioturbation is moderate to heavy and is expressed as cm scale, light gray (5Y 7/1), predominantly horizontal burrows; mm scale, pyritic grayish blue (5PB 5/2) burrows and cm scale, horizontal grayish blue (5PB 5/2) burrows. Diffuse horizontal, light greenish gray (5G 7/1) and pale purple (5P 6/2) color bands are common.

SMEAR SLIDE SUMMARY (%):

	4, 50
	D
TEXTURE:	
Sand	10
Silt	70
Clay	20
COMPOSITION:	
Foraminifers	12
Nannofossils	87
Quartz	Tr
Radiolarians	1



SITE 806 HOLE C CORE 24H CORED INTERVAL 214.6-224.1 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 MIOCENE	A/G N17a	A/M NN11				V-1583 Φ=61.7 ρ=1.67		1	0.5 1.0				
						V-1624 Φ=60.7 ρ=1.67		2					*
						V-1655 Φ=61.6 ρ=1.66		3					
						V-1651 Φ=60.4 ρ=1.68		4					
						V-1601 Φ=61.2 ρ=1.67		5					
						V-1651 Φ=60.4 ρ=1.68		6					
								7					
								CC					

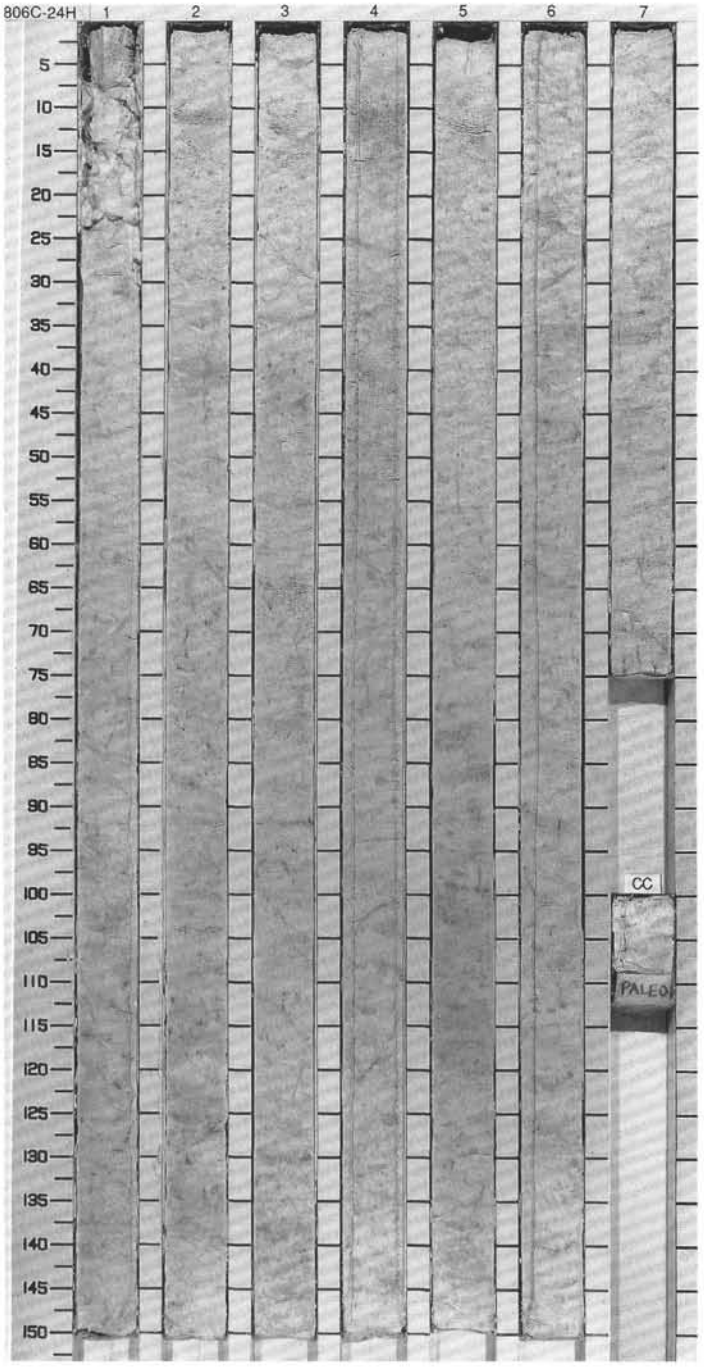
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0 and 5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Bioturbation is moderate and is expressed as cm scale, light gray (5Y 7/2), predominantly horizontal burrows, mm scale, pyritic, grayish blue (5PB 5/2) burrow fills, and cm scale, horizontal, grayish blue (5PB 5/2) burrows. Diffuse horizontal, light greenish gray (5G 7/1), grayish blue (5PB 5/2), and pale purple (5P 6/2) color bands are common.

SMEAR SLIDE SUMMARY (%):

	2, 80 D
TEXTURE:	
Sand	20
Silt	75
Clay	5
COMPOSITION:	
Foraminifers	10
Nannofossils	86
Quartz	1
Radiolarians	3



SITE 806 HOLE C CORE 25H CORED INTERVAL 224.1-233.6 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 MIOCENE	A/G N17a	A/M NN11			V-1586 ● D-61.4 P-1.66	V-1616 ● D-60.3 P-1.68	V-1597 ● D-59.8 P-1.69	V-1597 ● D-59.0 P-1.70	V-1605 ● D-62.0 P-1.65	V-1597 ● D-62.3 P-1.65				1 2 3 4 5 6 7 CC	0.5 1.0			*	

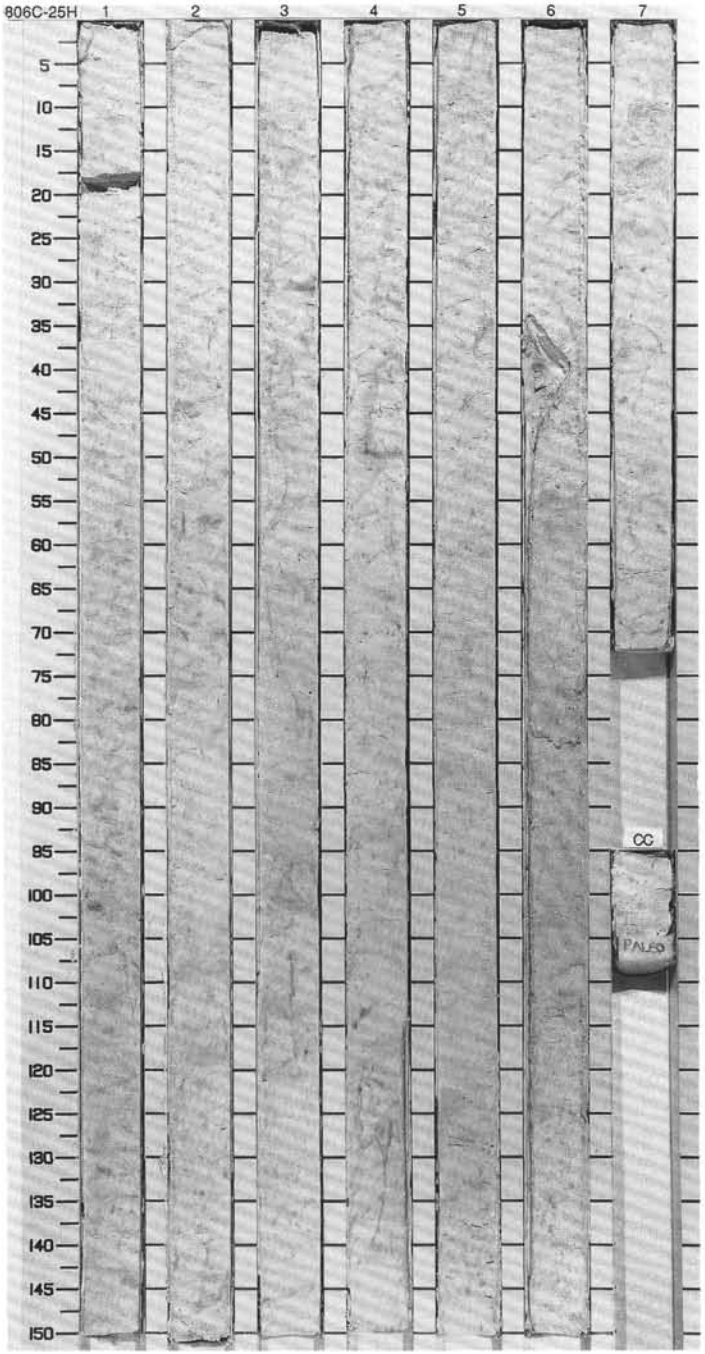
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Bioturbation is moderate throughout and is expressed as light gray (2.5Y 7/2), cm scale and bluish gray (5PB 5/2), mm to cm scale mottling. A few grayish blue (5PB 5/2) "halos" are noted. Diffuse light greenish gray (5G 7/1) and pale purple (5P 6/2) color bands are present.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	15
Silt	81
Clay	4
COMPOSITION:	
Foraminifers	24
Nannofossils	73
Radiolarians	1
Silicoflagellates	1
Spicules	1



SITE 806 HOLE C CORE 26H CORED INTERVAL 233.6-243.1 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 MIOCENE	A/G	N17a	A	NN11		V-1590 ρ=62.3 p=1.65; V-1624 ρ=61.8 p=1.65; V-1659 ρ=61.3 p=1.66; V-1601 ρ=61.6 p=1.66; V-1624 ρ=62.3 p=1.64		1 2 3 4 5 6 7 CC	0.5 1.0			Po Po	*

LITHOLOGIC DESCRIPTION

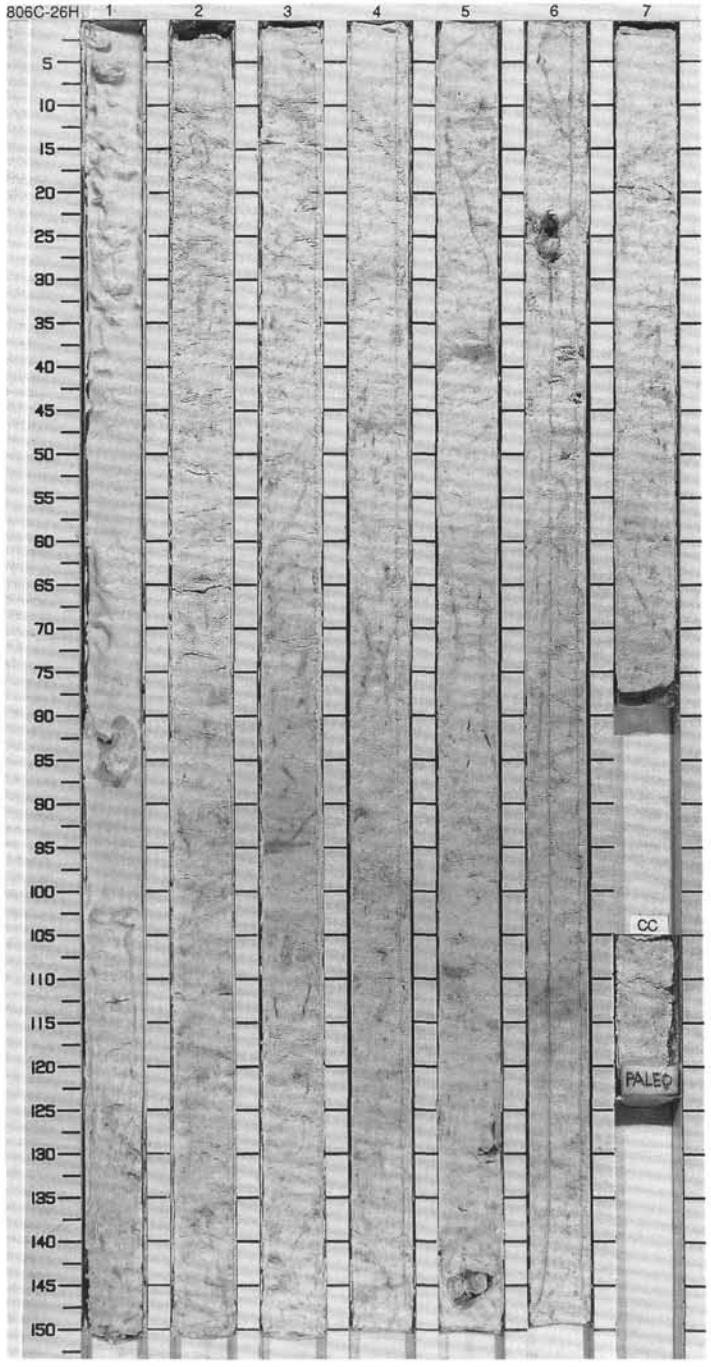
NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains slightly to moderately bioturbated, white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Bioturbation includes light gray (5Y 7/1), cm scale mottles, and mm to cm scale, grayish blue (5PB 5/2) mottles and pyritic burrow linings. Minor large burrow "halos" are present. Diffuse light greenish gray (5G 7/1) and pale purple (5P 6/2), horizontal color bands are present, but rare and poorly developed.

Minor lithology: Nodules of PORCELLANITE are present at Section 5, 140 cm and Section 6, 25 cm. These nodules are light gray (N7/), and each is approximately 2 cm in diameter.

SMEAR SLIDE SUMMARY (%):

	3, 97 D
TEXTURE:	
Sand	22
Silt	74
Clay	4
COMPOSITION:	
Foraminifers	22
Nannofossils	74
Radiolarians	3
Silicoflagellates	1



SITE 806 HOLE C CORE 27H CORED INTERVAL 243.1-252.6 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 MIOCENE	A/M N17a	A NN11				V=1616 ρ=1.67 Φ=61.3; V=1628 ρ=1.73 Φ=57.7; V=1590 ρ=1.70 Φ=59.6; V=1632 ρ=1.70 Φ=59.1; V=1620 ρ=1.64 Φ=59.7		1 2 3 4 5 6 7 CC	0.5 1.0			~	*

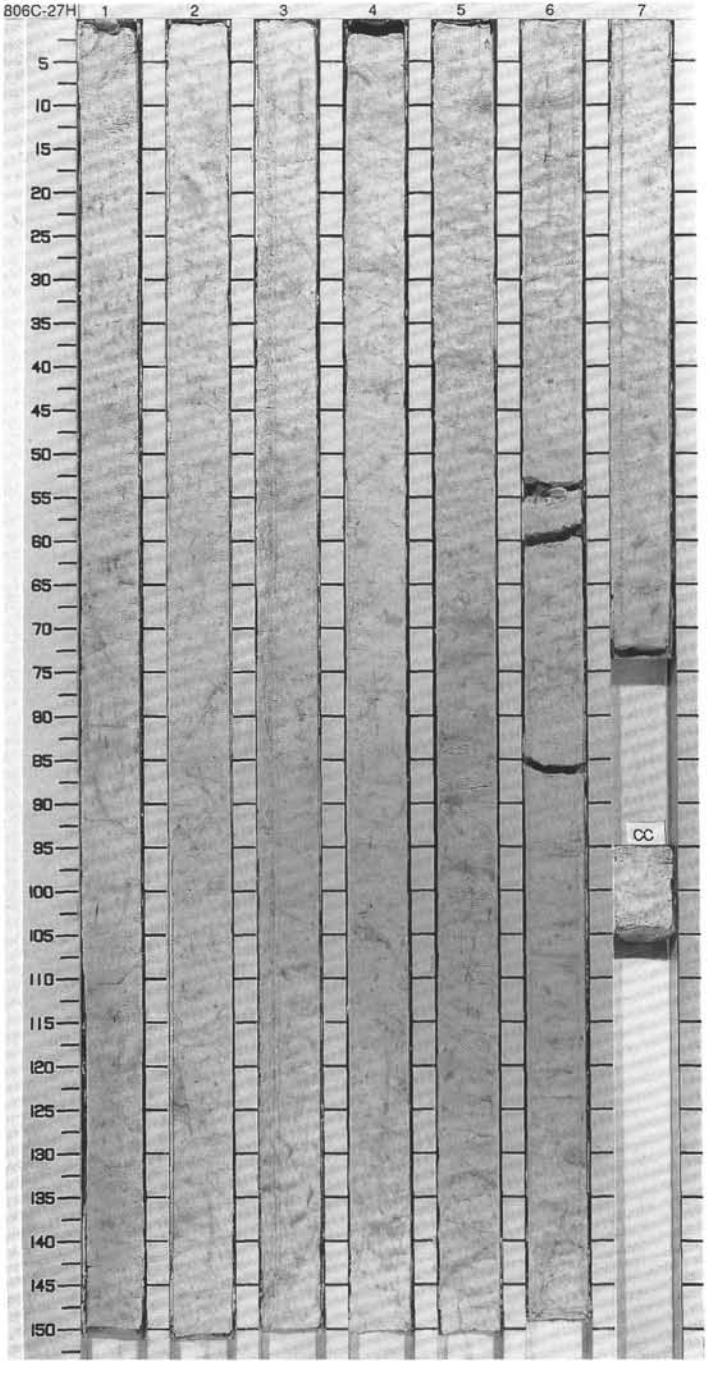
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains slightly to moderately bioturbated, white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Bioturbation is seen as cm scale, light gray (5Y 7/1) burrows, with minor mm to cm scale grayish blue (5PB 5/2) mottling. Pale purple (5P 6/2) and light greenish gray (5G 7/1), 0.5 to 1 cm thick color bands are present, but rare. Long, vertical, grayish blue (5PB 5/2) color bands may represent parts of large burrow "halos".

SMEAR SLIDE SUMMARY (%):

	2, 99
	D
TEXTURE:	
Sand	20
Silt	75
Clay	5
COMPOSITION:	
Foraminifers	15
Nannofossils	82
Radiolarians	2
Silicoflagellates	1



SITE 806 HOLE C CORE 28H CORED INTERVAL 252.6-262.1 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	N17a	NN11				V-1620● Φ=62.5 ρ=1.65		2					
						V-1636● Φ=59.1 ρ=1.70		3					
						V-1632● Φ=60.8 ρ=1.69		4					
						V-1616● Φ=60.2 ρ=1.69		5					*
						V-1616● Φ=60.2 ρ=1.68		6					
						V-1620● Φ=60.7 ρ=1.68		7					
								8					
	A/G	A/M						CC					

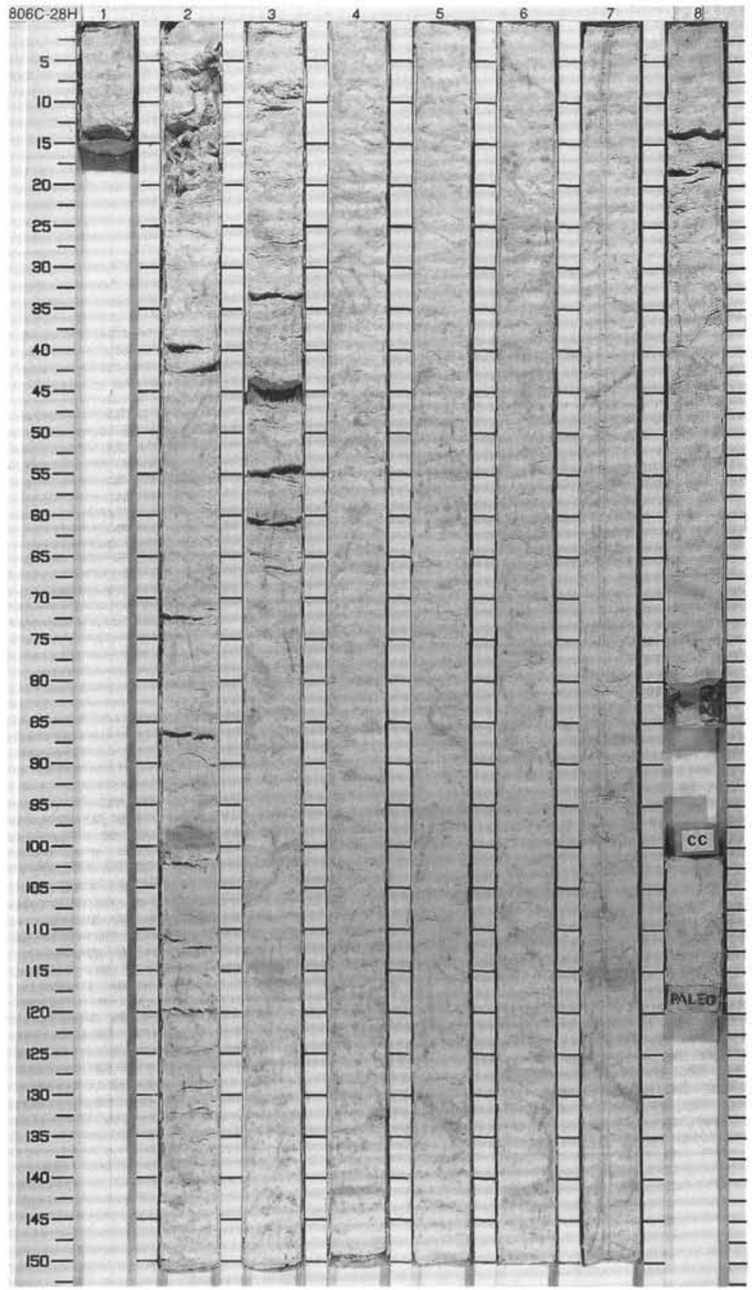
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is moderately to heavily bioturbated, with abundant light gray (5Y 7/1) mottles, pyritic burrow fills, and specks. Some burrows have pale purple (5P 6/2) "halos". A few diffuse, pale purple and greenish gray (5G 7/1) color bands are observed throughout the core.

SMEAR SLIDE SUMMARY (%):

	5, 97
	D
TEXTURE:	
Sand	20
Silt	75
Clay	5
COMPOSITION:	
Foraminifers	12
Nannofossils	85
Radiolarians	2
Silicoflagellates	1



SITE 806 · HOLE C CORE 29H CORED INTERVAL 262.1-271.6 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 MIOCENE	A/G	N17a	NN11	A/M	V-1597 Φ=62.5 ρ=1.64 Φ=62.0 ρ=1.66 V-1601 V-1605 Φ=63.0 ρ=1.65 V-1616 Φ=61.6 ρ=1.67 V-1624 Φ=60.8 ρ=1.67 V-1597 Φ=61.5 ρ=1.67			1 2 3 4 5 6 7 CC	0.5 1.0			*	

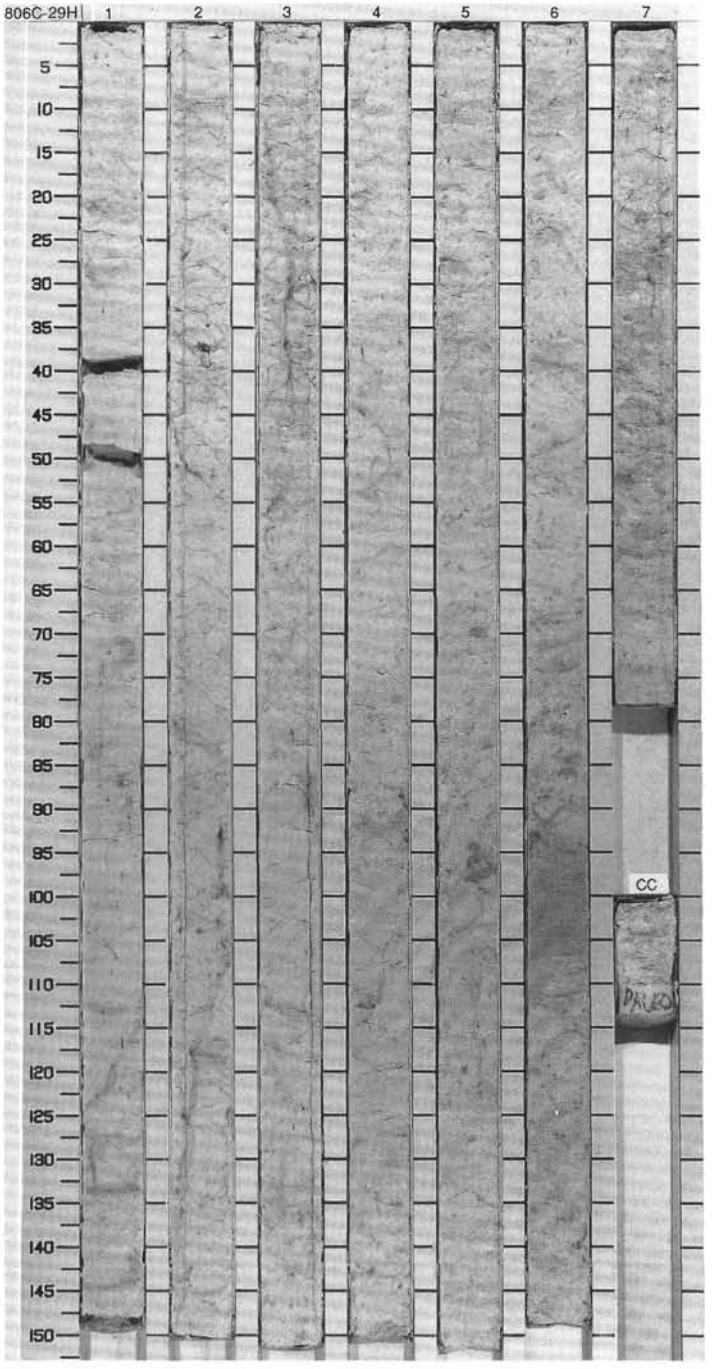
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The ooze is bioturbated, with pale purple (5P 6/2) specks, streaks, and "halo" segments. Further evidence of bioturbation is provided by white (2.5Y 8/2) mottles. Several 4 to 5 cm thick intervals are more consolidated than the surrounding sections. The consolidated ooze commonly has a nodular shape. Section 2, 40 cm, contains one porcellanite concretion.

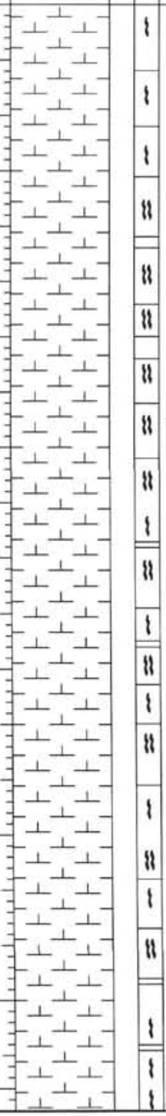
SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	50
Clay	40
COMPOSITION:	
Foraminifers	15
Nannofossils	82
Siliceous fragments	3



SITE 806 HOLE C CORE 30H CORED INTERVAL 271.6-281.1 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 MIOCENE	N17a	NN11				V-1605 ● Φ=62.2 ρ=1.65		1	0.5, 1.0				
						V-1605 ● Φ=61.2 ρ=1.67		2					
						V-1579 ● Φ=61.7 ρ=1.66		3					*
						V-1620 ● Φ=59.4 ρ=1.69		4					
						V-1624 ● Φ=59.9 ρ=1.69		5					
						V-1659 ● Φ=57.7 ρ=1.71		6					
								7					
	A/G	A/M						CC					



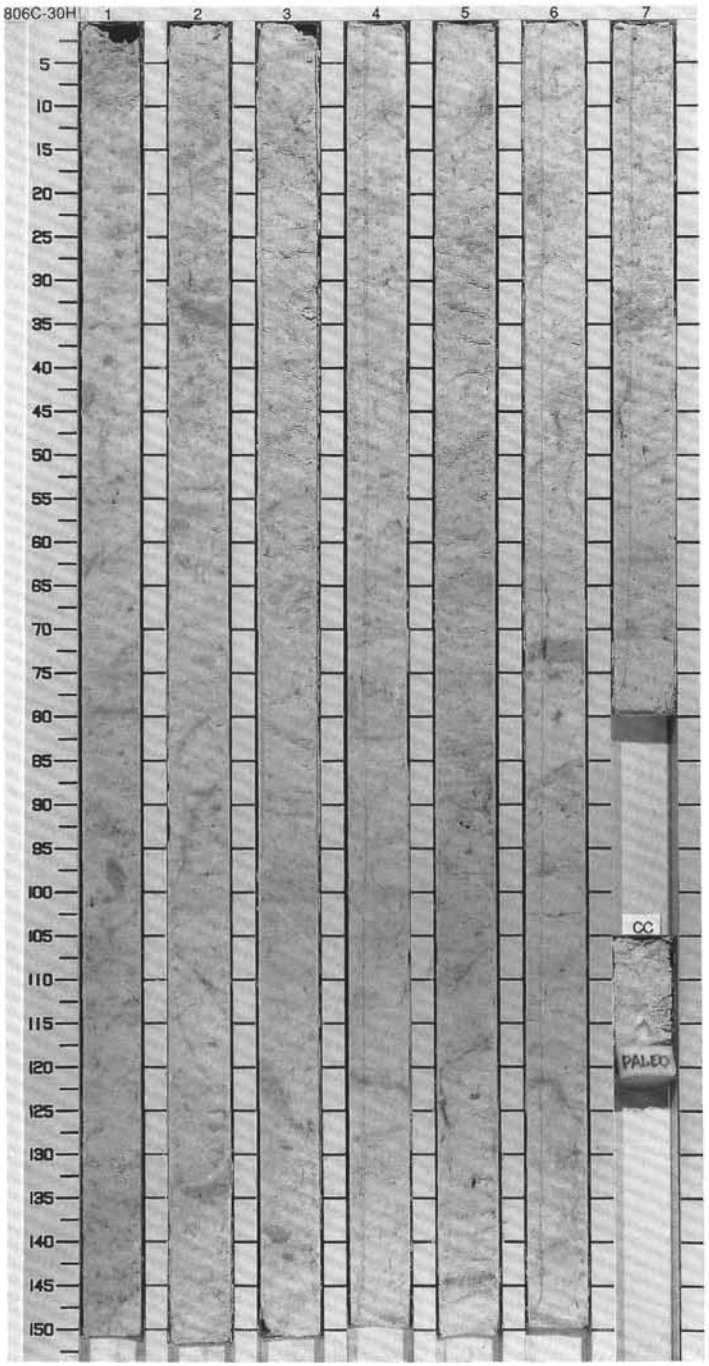
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sequence appears to become coarser, with a higher concentration of foraminifers, towards the base of the core. The ooze is bioturbated as indicated by abundant light gray (2.5Y 7/2) mottles (1 to 3 cm in diameter), abundant pale purple (5P 6/2) mottles, and pyritized infillings of burrow. A number of cm scale, stiff to hard intervals are noticed within the ooze sequence. These intervals are spaced about 10 cm apart throughout the core. Some faint, diffuse pale yellowish green (10GY 7/2) color bands, about 1 cm thick, are scattered throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	10
Silt	55
Clay	33
COMPOSITION:	
Accessory minerals	2
Foraminifers	18
Nannofossils	77
Siliceous fragments	3



SITE 806 HOLE C CORE 31H CORED INTERVAL 281.1-290.6 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 MIOCENE	A/G N16	A/P NN10?				V=1590 ●Φ=60.9 ρ=1.66 V=1609 ●Φ=59.0 ρ=1.71 V=1609 ●Φ=63.1 ρ=1.62 V=1609 ●Φ=61.1 ρ=1.66 V=1597 V=1601 ●Φ=57.1 ρ=1.73 ●Φ=64.3 V=1609 ρ=1.61		1 2 3 4 5 6 7 CC	0.5 1.0				*

LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Light gray (2.5Y 7/2) mottles, 0.5 to 4 cm in diameter, are abundant. Numerous mottles, and pale purple (5P 6/2) halo structures also are present. Some traces of pyrite infilling are noticeable. Pale yellowish green (10GY 7/2) and pale purple (5P 6/2) color banding is sometimes recognizable. Semi-indurated (stiff) to semi-lithified (hard) layers are intercalated with the softer ooze throughout the core. These layers may represent nodules, 1 to several cm thick, and occur every 5 to 10 cm.

SMEAR SLIDE SUMMARY (%):

	3, 74
	0
TEXTURE:	
Sand	8
Silt	60
Clay	32
COMPOSITION:	
Accessory minerals	2
Foraminifers	10
Nannofossils	85
Siliceous fragments	3

SITE 806 HOLE C CORE 32H CORED INTERVAL 290.6-300.1 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 MIOCENE	A/G N16	A/P NN10			V-1632 @ 59.7 ρb 1.69	V-1640 @ 63.1 ρb 1.64 V-1632 @ 61.1 ρb 1.66 V-1612 @ 60.0 ρb 1.69 V-1597 @ 64.3 ρb 1.61		1 2 3 4 5 6 7 CC	0.5 1.0				*

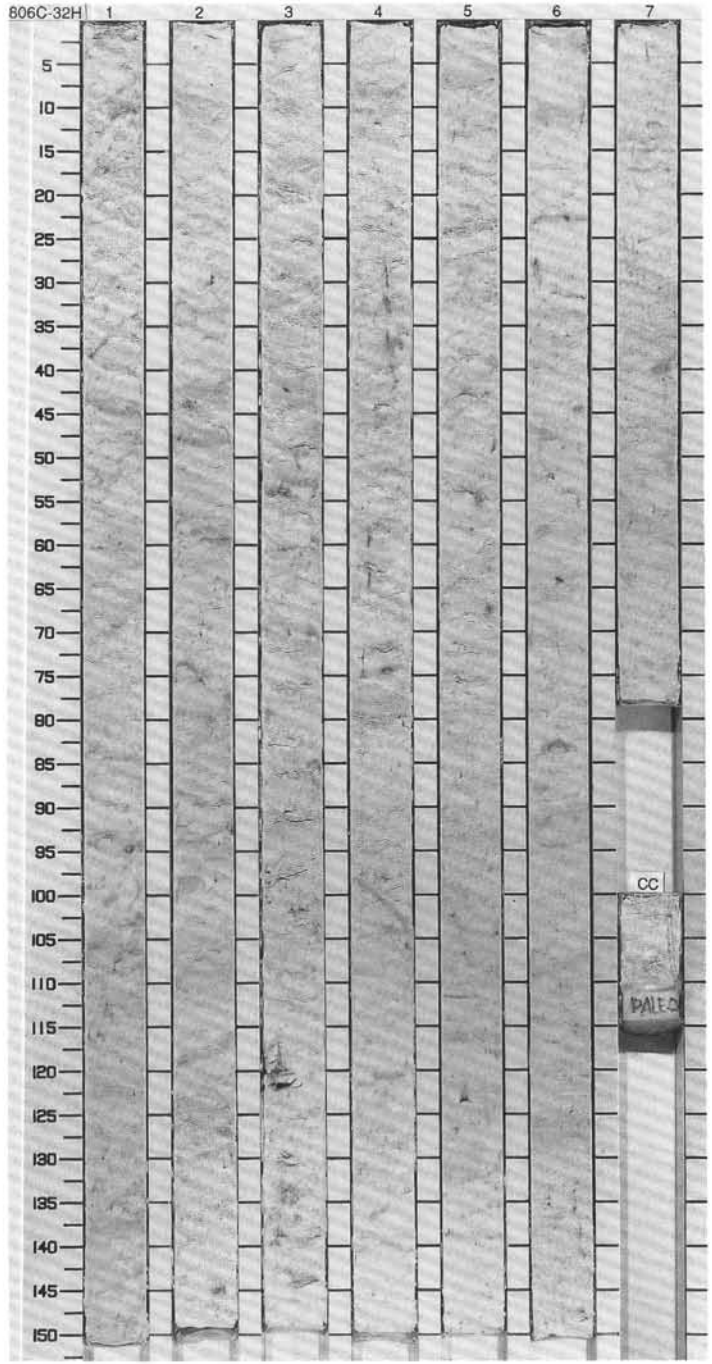
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The ooze is bioturbated with pale purple (5P 6/2) halos, and streaks, and light gray (5Y 7/2) burrow-fills. Some intervals (3 to 5 cm thick) are stiffer than the surrounding sections. Faint pale purple (5P 6/2) and, less commonly, pale yellowish green (10GY 7/2), 1 to 2 cm thick bands are present throughout. The base of Section 6 exhibits minor microfaulting.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	15
Silt	60
Clay	25
COMPOSITION:	
Diatoms	1
Foraminifers	20
Nannofossils	77
Radiolarians	1
Siliceous fragments	1



SITE 806 HOLE C CORE 33H CORED INTERVAL 300.1-309.6 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 MIOCENE	A/G N16	A/P NN10				V-1597 ●		1	0.5 / 1.0				
						V-1597 ● 0-60.3 p-1.68		2					
						V-1594 ● 0-62.8 p-1.65		3					*
						V-1601 ● 0-62.3 p-1.65		4					
					V-1594 ● 0-62.3 p-1.64			5					
								6					
								7					
								CC					

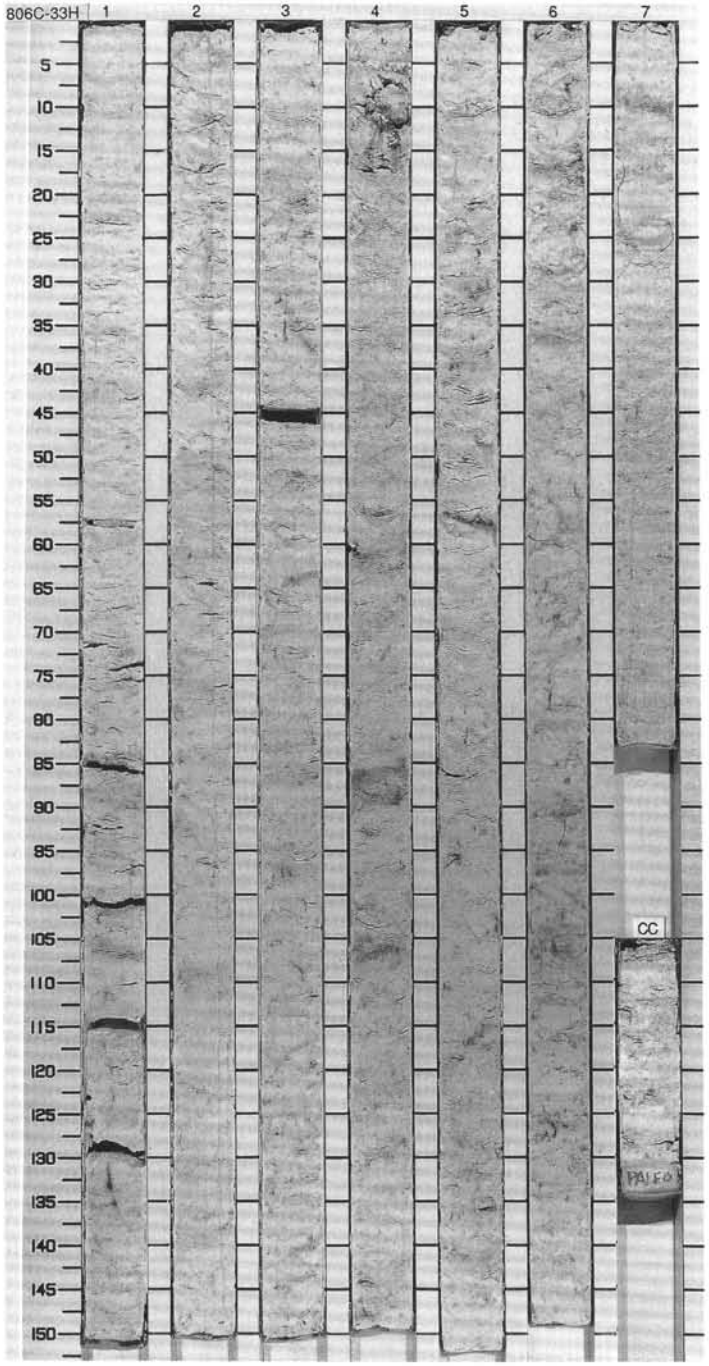
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (7.5YR 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Many 3 to 5 cm thick intervals are semi-consolidated. The ooze is bioturbated with light gray (5Y 7/2) mottles and pale purple (5P 6/2) streaks. The top of Section 4 contains a large porcellanite nodule. Faint pale purple (5P 6/2) and pale yellowish green (10GY 7/2), 1 to 2 cm thick bands are present throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Diatoms	2
Foraminifers	25
Nannofossils	69
Radiolarians	1
Siliceous fragments	3
Siliceous sponge spicules	Tr



SITE 806 HOLE C CORE 34X CORED INTERVAL 309.6-319.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	BIOSTRAT. ZONE/ FOSSIL CHARACTER: NANNOFOSSILS	BIOSTRAT. ZONE/ FOSSIL CHARACTER: RADIOLARIANS	BIOSTRAT. ZONE/ FOSSIL CHARACTER: DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER MIOCENE	A/M N16	A/M NN10						CC				*		All recovery went to the paleontology laboratory. SMEAR SLIDE SUMMARY (%): CC, 1 D TEXTURE: Silt 70 Clay 30 COMPOSITION: Nannofossils 30 Silica 70

SITE 806 HOLE C CORE 35X CORED INTERVAL 319.3-328.9 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
UPPER MIOCENE	N16	NN10			A/M	A/M		1 2 3 4 5 6 CC	0.5 1.0				*

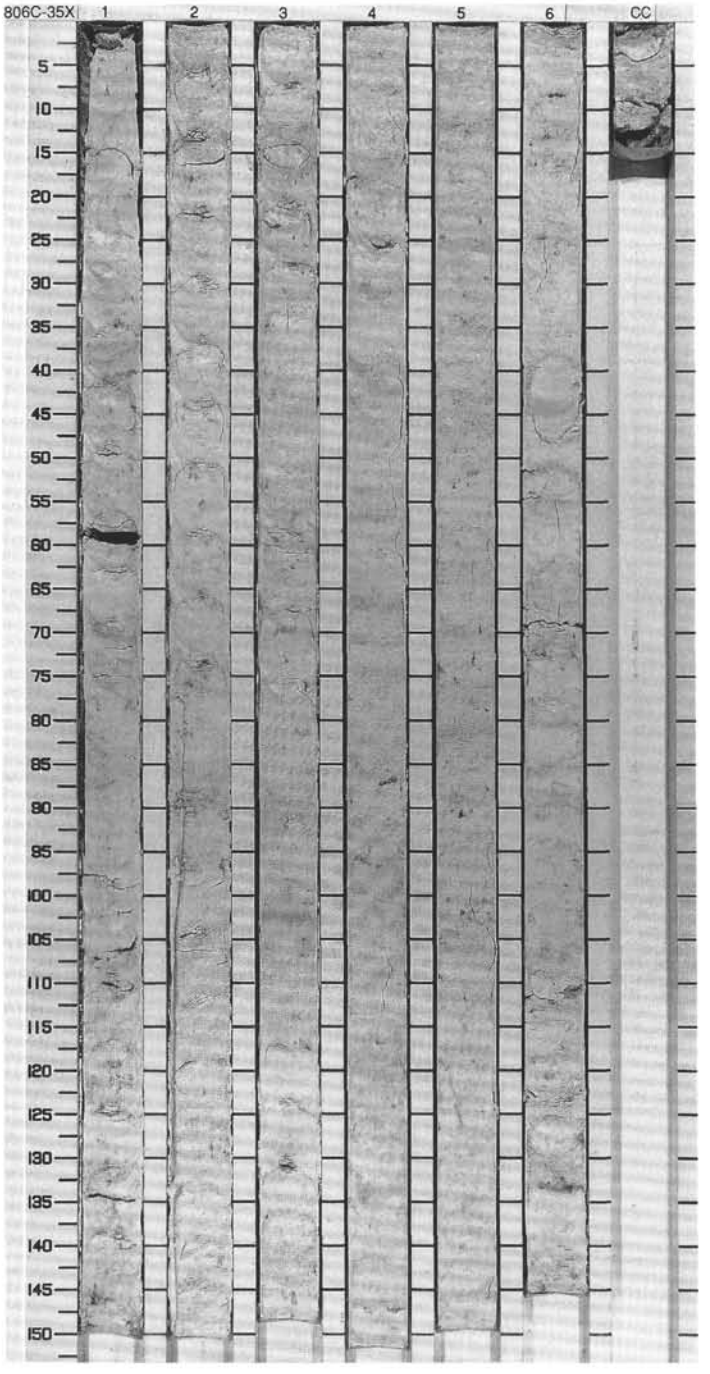
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

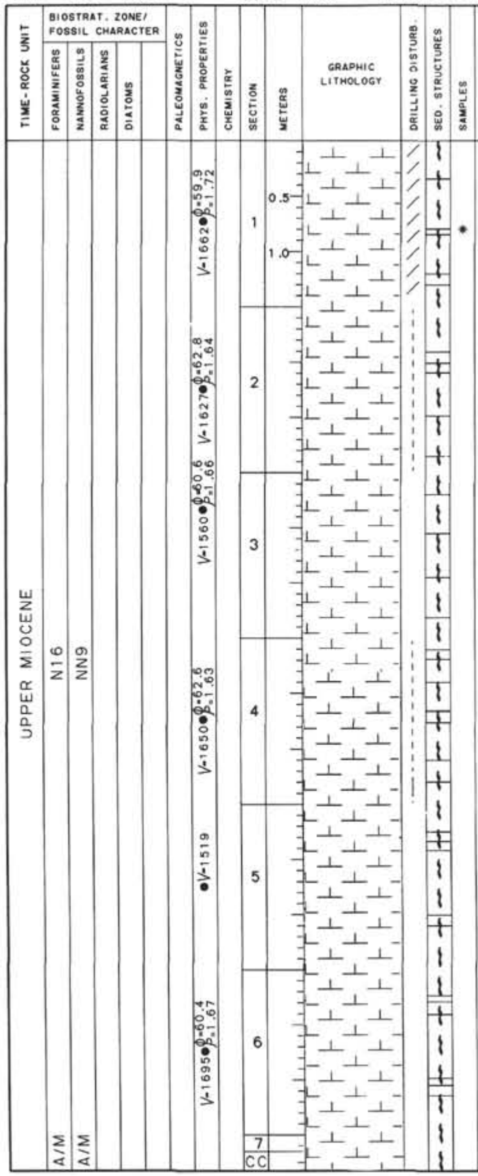
Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE. The softer ooze is interbedded with 5 cm thick indurated sections. The entire core is moderately bioturbated, with pyritized burrows and faint grayish blue (5PB 5/2) to pale purple (5P 6/2) and dark gray (5Y 4/1) to light gray (2.5Y 7/2) mottling. Diffuse light greenish gray (5G 7/1) and grayish blue (5PB 5/2) color bands are widespread.

SMEAR SLIDE SUMMARY (%)

	3, 83 D
TEXTURE	
Sand	2
Silt	90
Clay	8
COMPOSITION:	
Foraminifers	6
Nannofossils	92
Radiolarians	1
Siliceous fragments	1



SITE 806 HOLE C CORE 36X CORED INTERVAL 328.9-338.5 mbsf



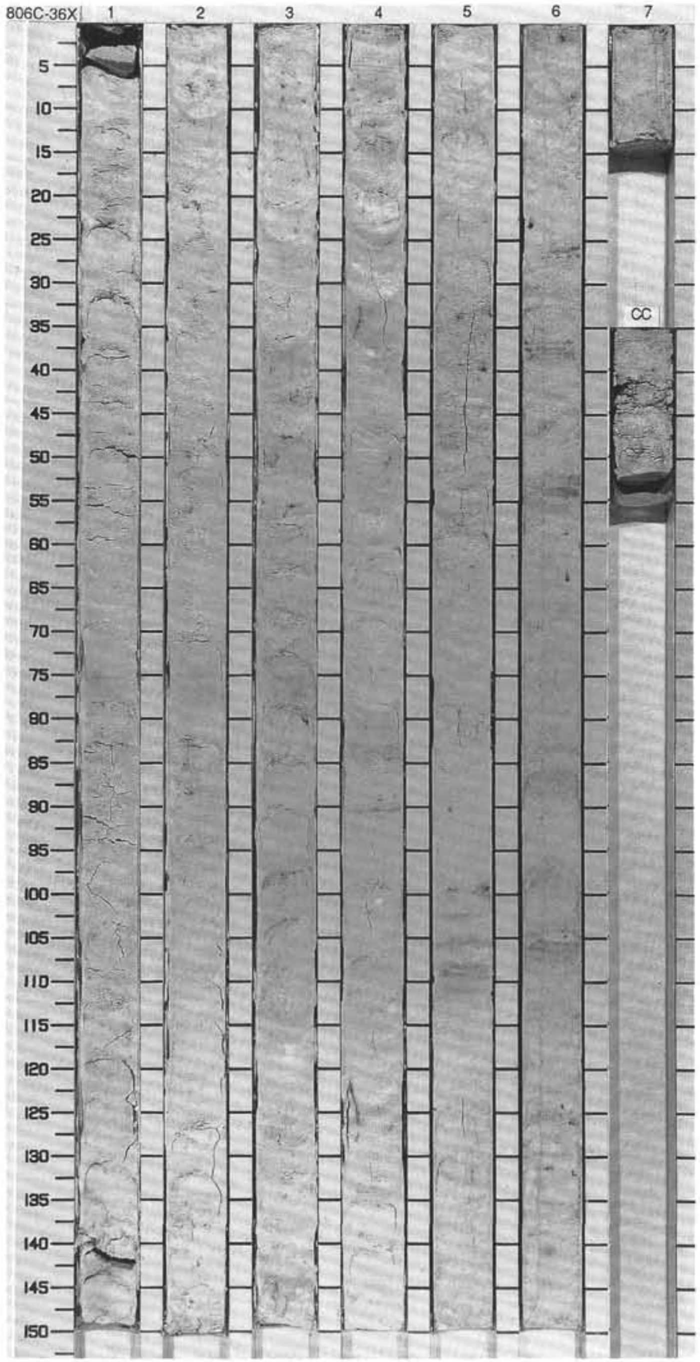
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

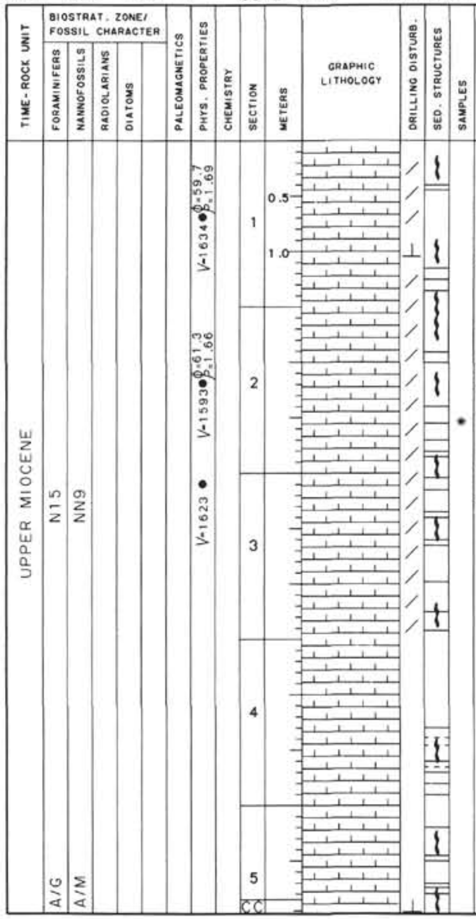
Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE. The softer ooze is interbedded with 5 to 10 cm thick, indurated sections. The entire core is moderately bioturbated with pyritized burrows and faint, grayish blue (5PB 5/2) to pale purple (5P 6/2) and dark gray (5Y 4/1) to light gray (2.5Y 7/2) mottling. Diffuse light greenish gray (5G 7/1) and *grayish blue (5PB 5/2) color bands appear throughout.*

SMEAR SLIDE SUMMARY (%):

	1, 80
	D
TEXTURE:	
Sand	10
Silt	85
Clay	5
COMPOSITION:	
Foraminifers	8
Nannofossils	91
Radiolarians	1



SITE 806 HOLE C CORE 37X CORED INTERVAL 338.5-348.2 mbsf



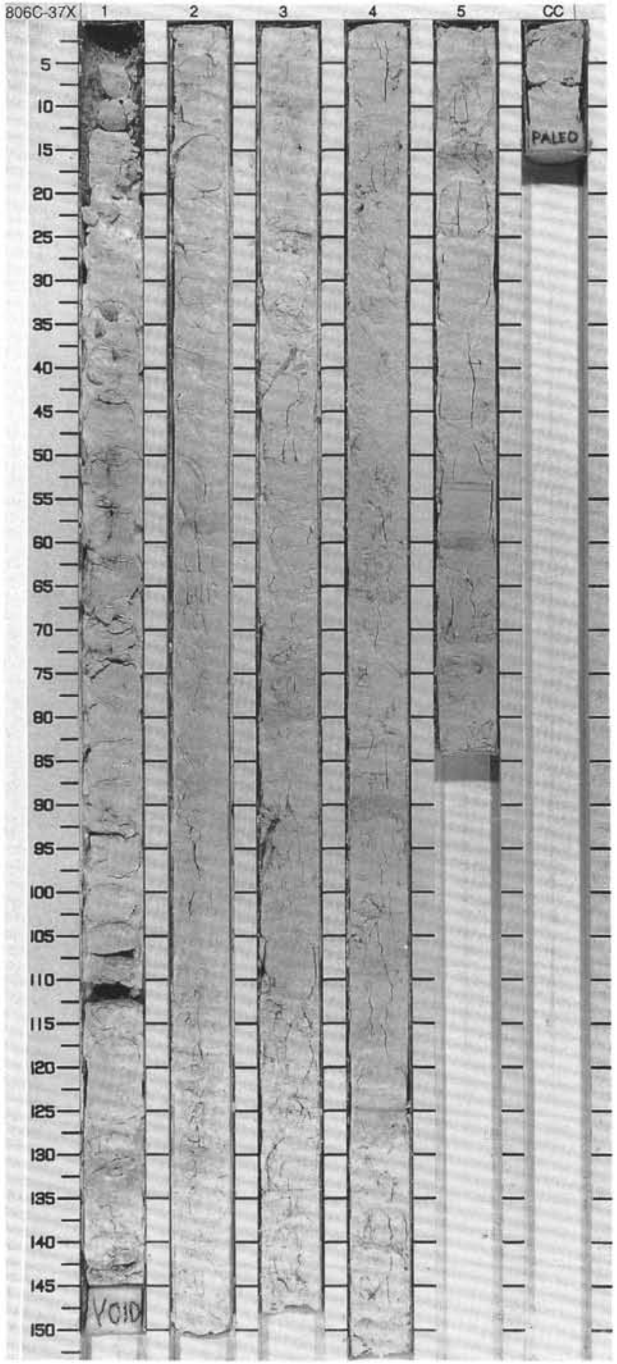
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL CHALK. It is slightly to moderately fragmented. Slight to moderate bioturbation is represented by pyritized burrows and grayish blue (5PB 5/2) mottling. Faint and sharp, pale pink (5RP 5/2), light greenish gray (5G 7/1) and pale purple (5P 6/2) color bands are present through this core.

SMEAR SLIDE SUMMARY (%):

	2, 102
	D
TEXTURE:	
Sand	15
Silt	80
Clay	5
COMPOSITION:	
Foraminifers	8
Nannofossils	90
Radiolarians	1
Silicoflagellates	1



SITE 806 HOLE C CORE 38X CORED INTERVAL 248.2-357.9 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
UPPER MIOCENE	A/M	N15	A/M	NN9	V-1703 Φ=62.8 ρ=1.63 V-1666 Φ=58.6 ρ=1.70 V-1670 Φ=63.4 ρ=1.62	V-1623 Φ=63.9 ρ=1.62 V-1593 Φ=59.1 ρ=1.73		1 2 3 4 5	0.5 1.0				*

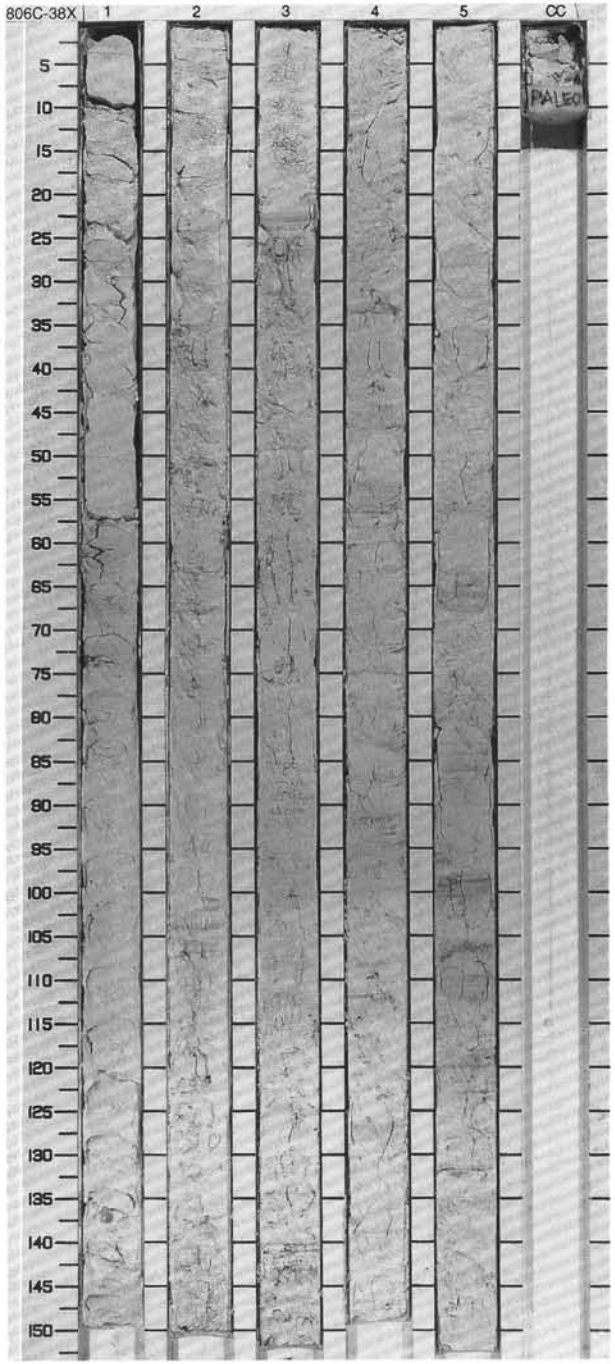
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains white (2.5Y 8/0 and 10YR 8/0) NANNOFOSSIL CHALK. Bioturbation is slight to moderate as indicated by mottling. Centimeter-size chert nodules are present in Sections 1 and 2. Distinct mm size, gray (N6/), greenish gray (5G 6/1) to grayish green (5G 5/2) bands and diffuse, cm scale, light greenish gray (5G 7/1), pale purple (5P 6/2) and grayish blue (5PB 5/2) bands are common.

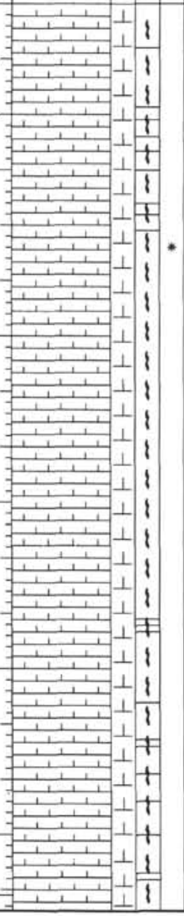
SMEAR SLIDE SUMMARY (%):

	1, 98 D
TEXTURE:	
Sand	15
Silt	80
Clay	5
COMPOSITION:	
Foraminifers	8
Nannofossils	90
Radiolarians	2



SITE 806 HOLE C CORE 39X CORED INTERVAL 357.9-367.6 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
MIDDLE MIOCENE	N14 A/M	NN9 A/M				V-1623 ● Φ=59.9 ρ=1.69 V-1695 ● Φ=59.3 ρ=1.69 V-1695 ● Φ=58.9 ρ=1.70		1 2 3 4 5 6 CC	0.5 1.0				*	see below

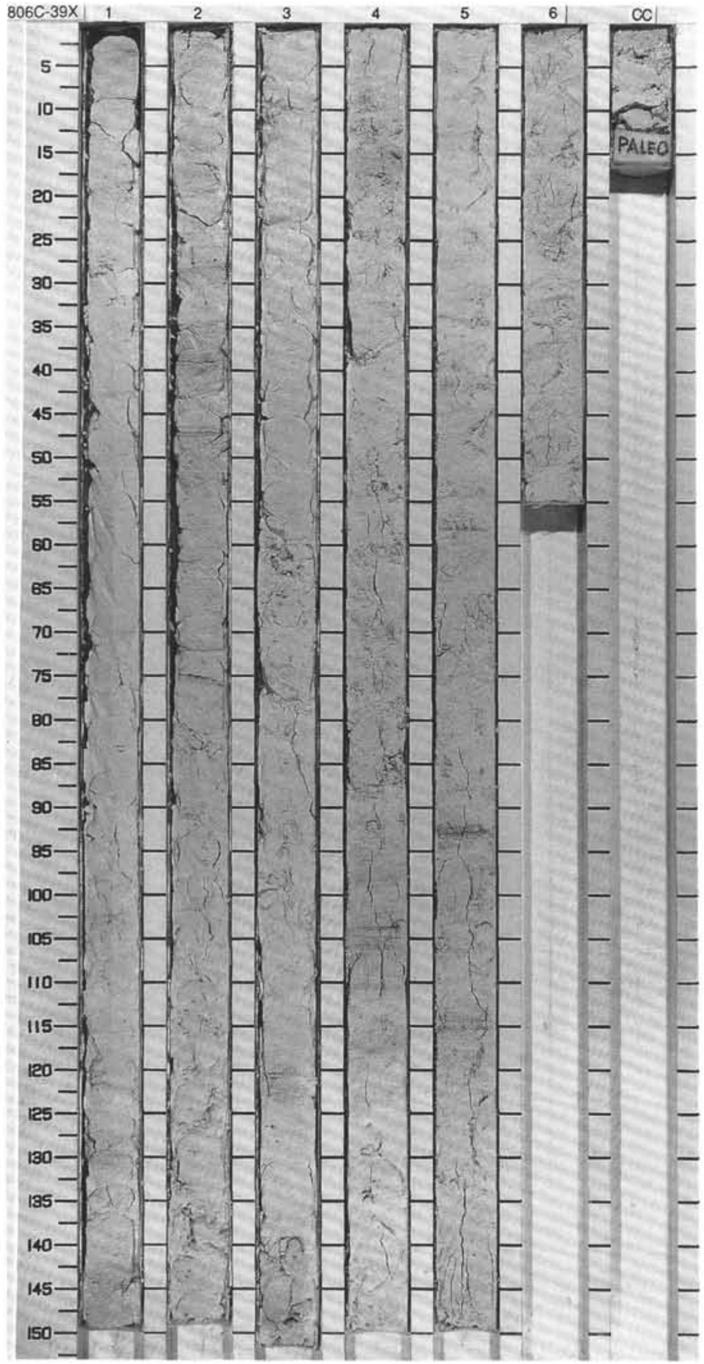


NANNOFOSSIL CHALK with FORAMINIFERS

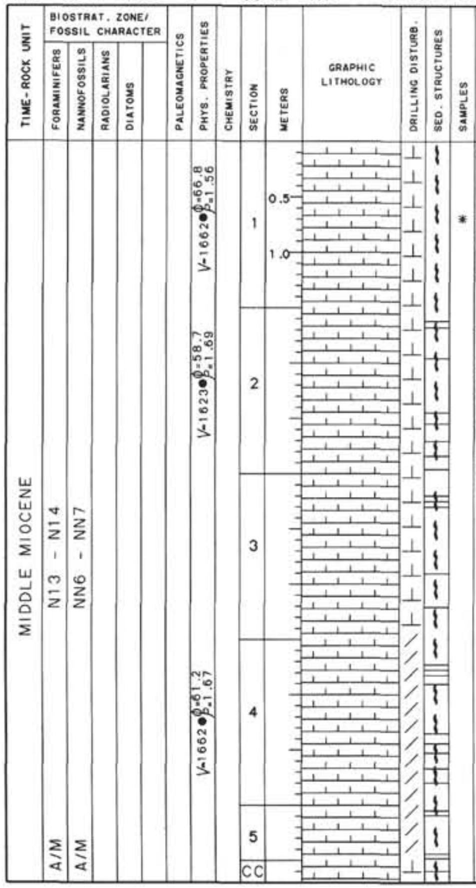
Major lithology: This core contains slightly to moderately bioturbated, white (2.5Y 8/0) NANNOFOSSIL CHALK with FORAMINIFERS. The color grades locally to pale pink (5RP 8/2) and pale purple (5P 6/2) for intervals of 1 to 3 cm. Minor mm scale, grayish blue (5 PB 5/2) pyritic burrow fills are present, as are mm to cm thick, light greenish gray (5G 7/1) and light grayish green (5G 6/2) color bands.

SMEAR SLIDE SUMMARY (%):

	2, 70 D
TEXTURE:	
Sand	20
Silt	75
Clay	5
COMPOSITION:	
Foraminifers	12
Nannofossils	83
Radiolarians	5



SITE 806 HOLE C CORE 40X CORED INTERVAL 367.6-377.3 mbsf



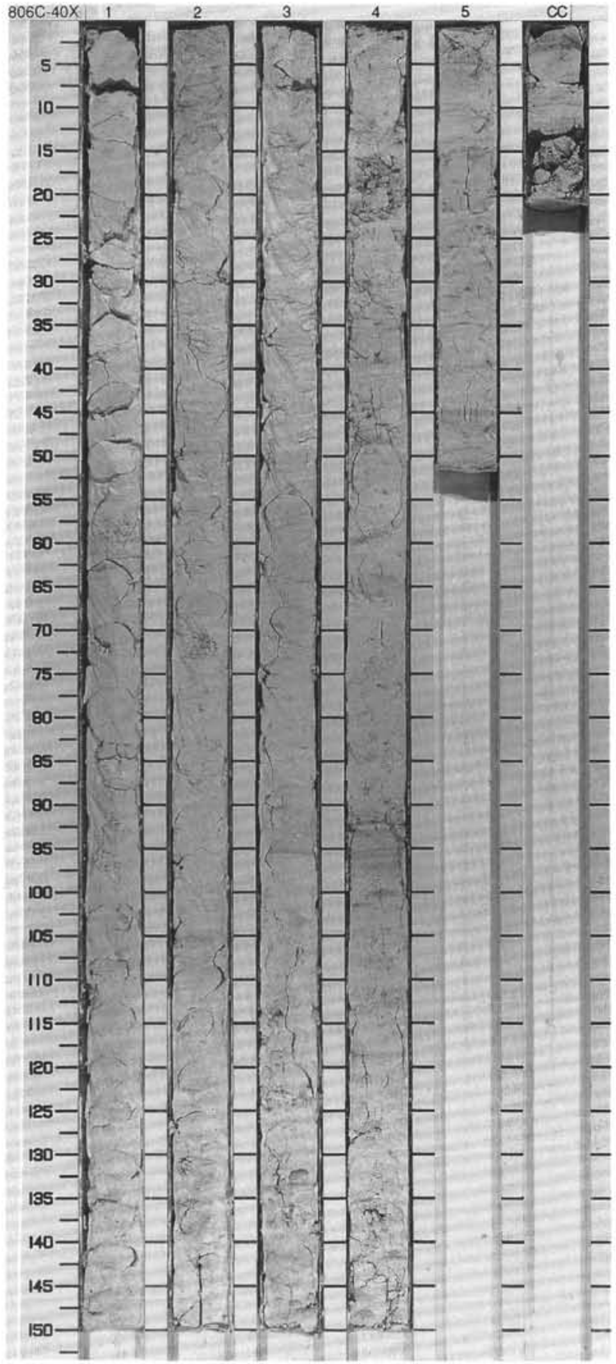
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL CHALK with FORAMINIFERS. The color grades to pale blue (5PB 7/2) in a single 8 cm thick zone. The sediment is slightly to moderately bioturbated with mm scale, pyritic mottling and *Zoophycos* burrows. Light greenish gray (5G 7/1), grayish blue (5PB 5/2), pale purple (5P 6/2), and gray (N6/) color bands are present.

SMEAR SLIDE SUMMARY (%):

	1, 70
	D
TEXTURE:	
Sand	14
Silt	66
Clay	20
COMPOSITION:	
Foraminifers	13
Nannofossils	86
Radiolarians	1



SITE 806 HOLE C CORE 41X CORED INTERVAL 377.3-387.0 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
MIDDLE MIOCENE	A/M	N13 - N14				Φ=60.2 ρ=1.68		1	0.5				
	A/M	NN6 - NN7							1.0				
						Φ=57.2 ρ=1.73		2					
						Φ=60.6 ρ=1.68		3					*
								4					
						Φ=58.9 ρ=1.68		5					
								CC					

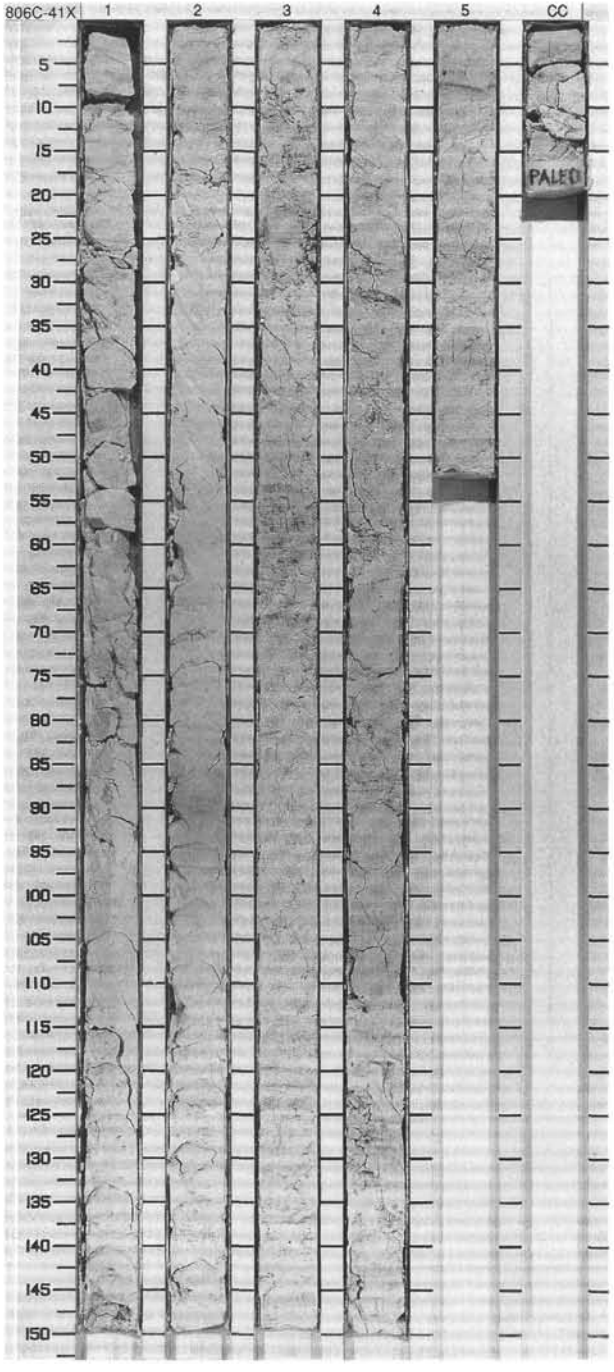
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS. The sediment is moderately to heavily bioturbated, evident from disseminated pyritic burrow fills. Distinct and faint, mm to cm scale, greenish gray (5G 7/1) and pale purple (5P 6/2) color bands are common.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	15
Silt	60
Clay	25
COMPOSITION:	
Diatoms	Tr
Foraminifers	20
Nannofossils	80
Siliceous fragments	Tr



SITE 806 HOLE C CORE 42X CORED INTERVAL 387.0-396.7 mbsf

TIME-ROCK UNIT: MIDDLE MIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER
- FORAMINIFERS: C/M N13 - N14
- NANNOFOSSILS: A/M NN6 - NN7
- RADIOLARIANS
- DIATOMS

PALEOMAGNETICS
PHYS. PROPERTIES: V-1597 ● 0-59.8 ρ-1.68; V-1588 ● 0-59.6 ρ-1.69; V-1582 ● 0-58.3 ρ-1.72; V-1661 ● 0-57.3 ρ-1.73; V-1589 ● 0-57.9 ρ-1.72
CHEMISTRY
SECTION
METERS
GRAPHIC LITHOLOGY: VOID
DRILLING DISTURB.
SED. STRUCTURES
SAMPLES: *

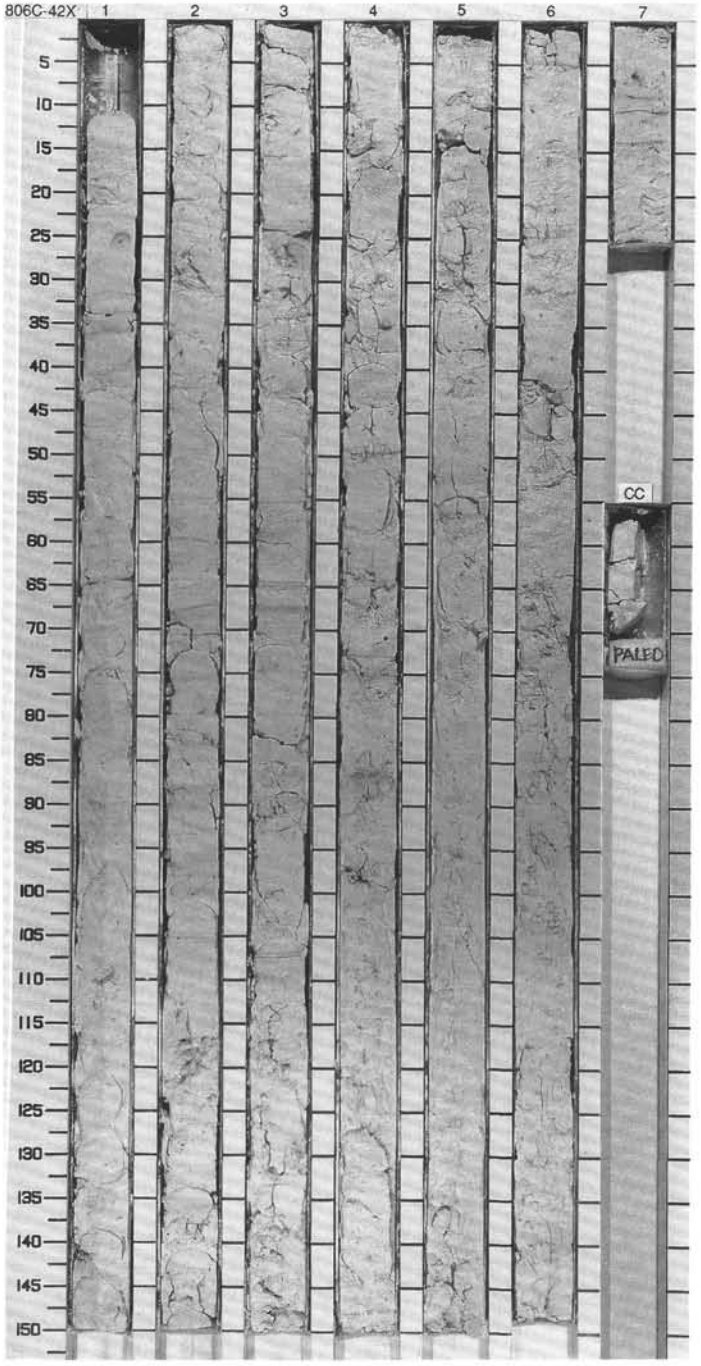
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. Disseminated pyrite burrow-fills, pyrite concretions, and trace fossils are indicative of moderate bioturbation. Abundant distinct, very thin (mm scale), pale yellowish green (10GY 7/2) and grayish green (5GY 7/1) color bands are present throughout the core. Pale purple (5P 6/2) color bands are less abundant.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	20
Silt	55
Clay	25
COMPOSITION:	
Foraminifers	30
Nannofossils	70
Siliceous sponge spicules	Tr



SITE 806 HOLE C CORE 43X CORED INTERVAL 396.7-406.3 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 MIOCENE	N12 - N14	NN6 - NN7				V-1571 ρ=58.8 ρs=1.71 V-1628 ρ=57.8 ρs=1.73 V-1584 ρ=57.8 ρs=1.73 V-1557 ρ=59.8 ρs=1.72		1 2 3 4 5 6 7 CC	0.5 1.0				*

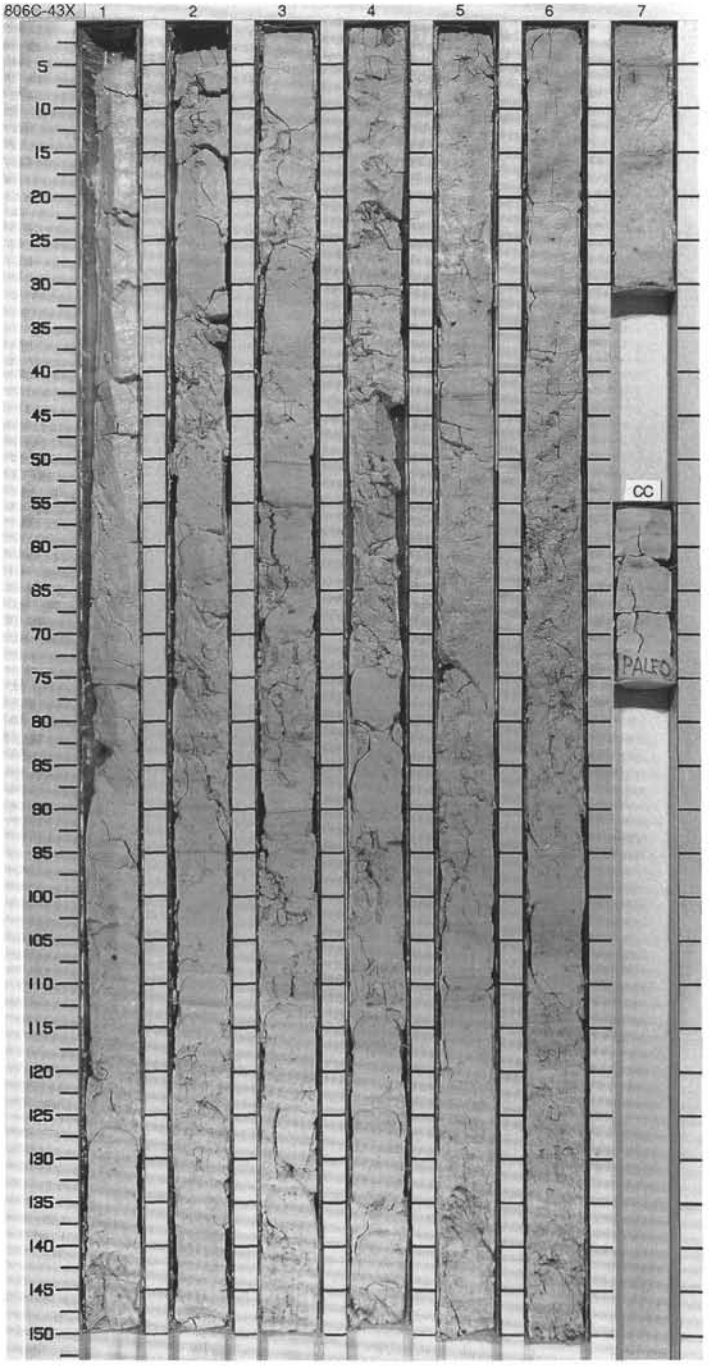
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. Horizontal, 1 to 2 mm thick, pale yellowish green (10GY 7/2) and grayish green (5GY 7/1) bands are present throughout the core. Disseminated pyrite burrow-fills and pyrite concretions, and trace fossils indicate moderate bioturbation.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Accessory minerals	2
Foraminifers	20
Nannofossils	75
Siliceous fragments	3



SITE 806 HOLE C CORE 44X CORED INTERVAL 406.3-415.9 mbsf

TIME-ROCK UNIT: MIDDLE MIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER
- FORAMINIFERS: N12 (C/M); NN6 - NN7 (A/M)
- NANNOFOSSILS
- RADIOLARIANS
- DIATOMS

PALEOMAGNETICS
PHYS. PROPERTIES
CHEMISTRY
SECTION
METERS
GRAPHIC LITHOLOGY
DRILLING DISTURB.
SED. STRUCTURES
SAMPLES

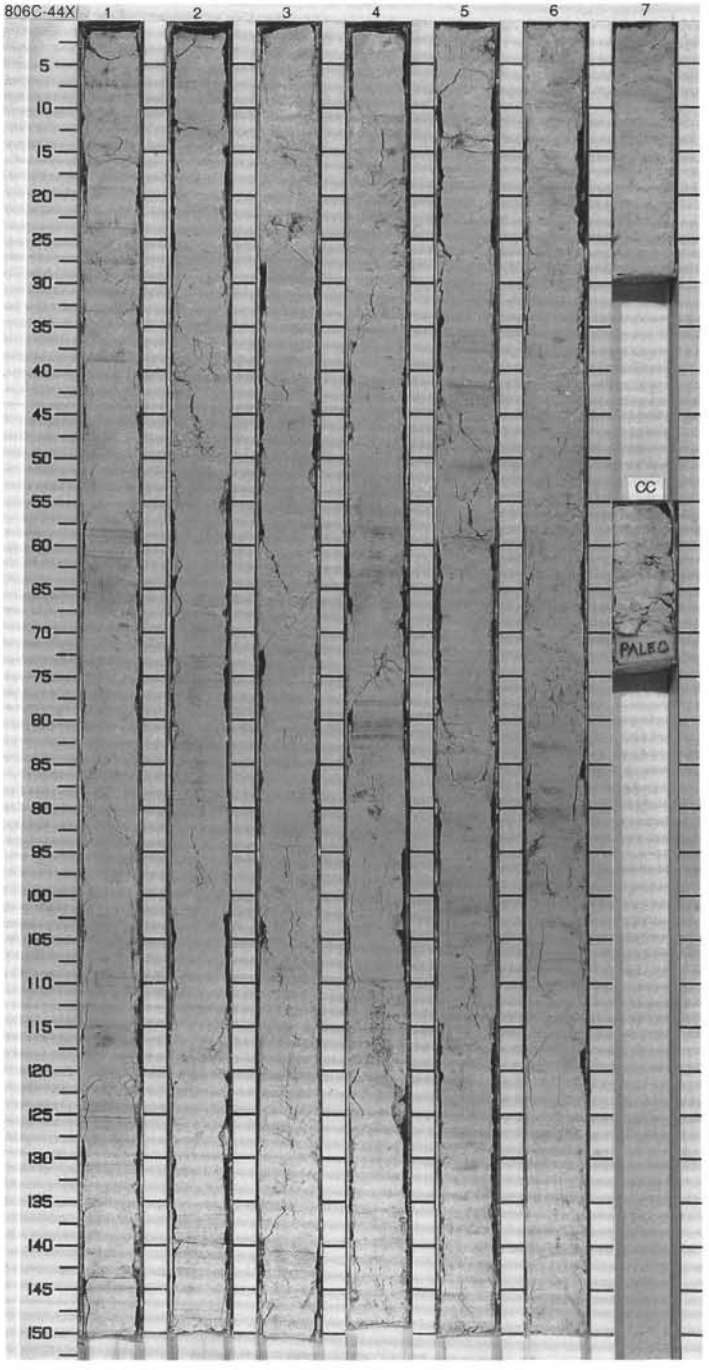
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. Light gray (2.5Y 7/2) cm scale burrow mottles, disseminated pyrite-filled burrows, and calcite nodules are indicative of moderate bioturbation. Thin (mm scale), distinct and faint, greenish gray (5G 7/1) and pale yellowish green (10GY 7/2) color bands are common. Pale purple (5P 6/2) color bands are less common. Section 7 and the Core Catcher are characterized by faint color bands.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Diatoms	3
Foraminifers	25
Nannofossils	64
Radiolarians	3
Siliceous fragments	5



SITE 806 HOLE C CORE 45X CORED INTERVAL 415.9-425.6 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MIDDLE MIOCENE	N12 C/M	NN6 A/P				V-1644 ● Φ=58.7 ρ=1.70; ● Φ=57.8 ρ=1.71 V-1666; V-1648 ● Φ=56.9 ρ=1.72		1, 2, 3, 4, 5, 6, 7, CC	0.5, 1.0				*

BIOSTRAT. ZONE/ FOSSIL CHARACTER

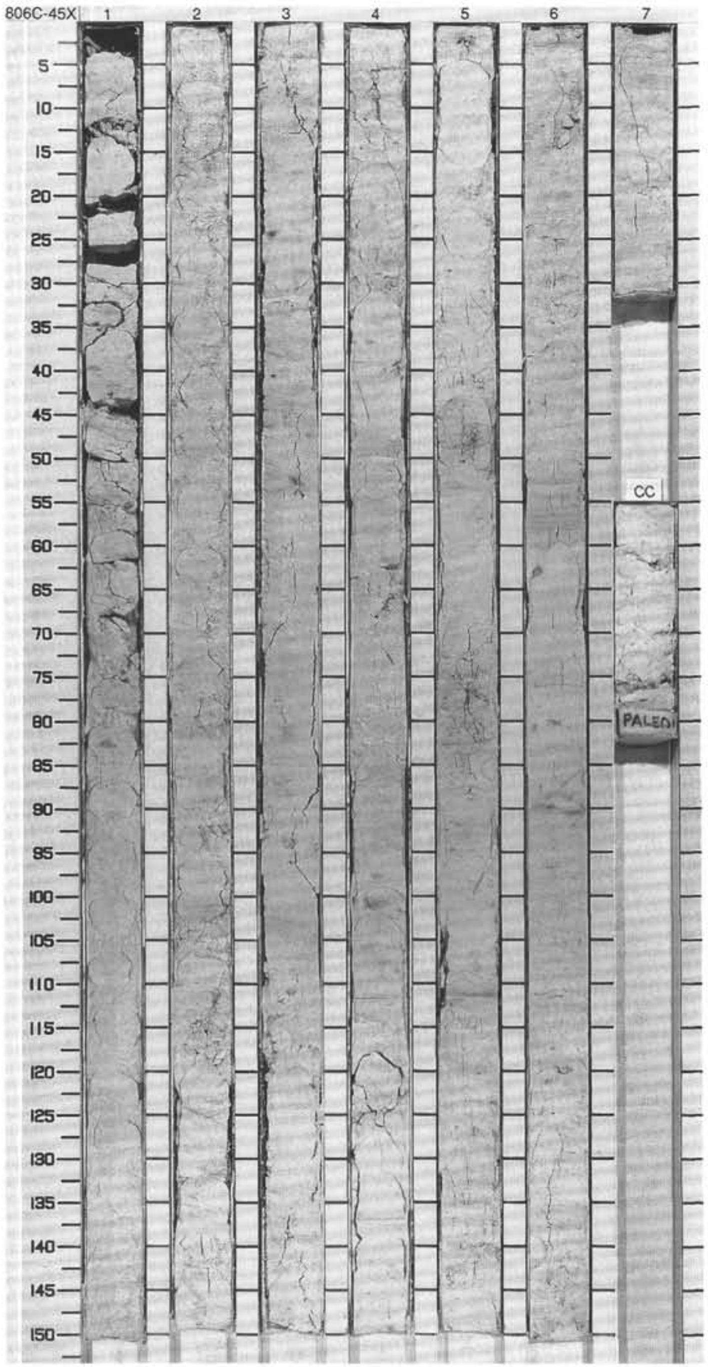
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK, both of which are slightly to moderately fractured (heavily fragmented in top of Section 1) by drilling. The sediment is moderately bioturbated as indicated by light gray (2.5Y 7/2) mottles, pyritized burrow fills and specks. Some pyritic burrows are disseminated and others exhibit halos. In Section 7, a *Zoophycos* burrow is observed. Faint, distinct, mm thick, greenish gray (5G 7/1) and pale purple (5P 6/2) color bands are abundant throughout the core.

SMEAR SLIDE SUMMARY (%):

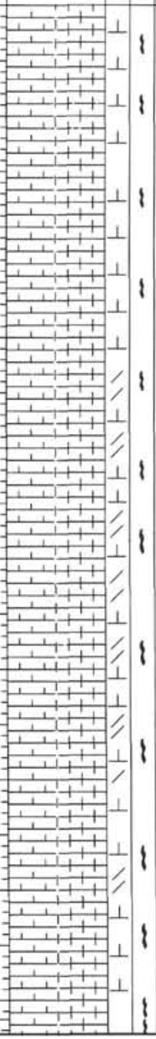
	3, 75
	D
TEXTURE:	
Sand	10
Silt	65
Clay	25
COMPOSITION:	
Diatoms	1
Foraminifers	28
Nannofossils	67
Radiolarians	1
Siliceous fragments	3



SITE 806 HOLE C CORE 46X CORED INTERVAL 425.6-435.2 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
MIDDLE MIOCENE	N12 C/M	NN6 A/P				V-1621 ● Φ=58.6 ρ=1.71; V-1654● Φ=57.3 ρ=1.72; V-1654● Φ=57.4 ρ=1.71		1, 2, 3, 4, 5, 6, 7, CC	0.5, 1.0				*	see below

(BIOSTRAT. ZONE/ FOSSIL CHARACTER)

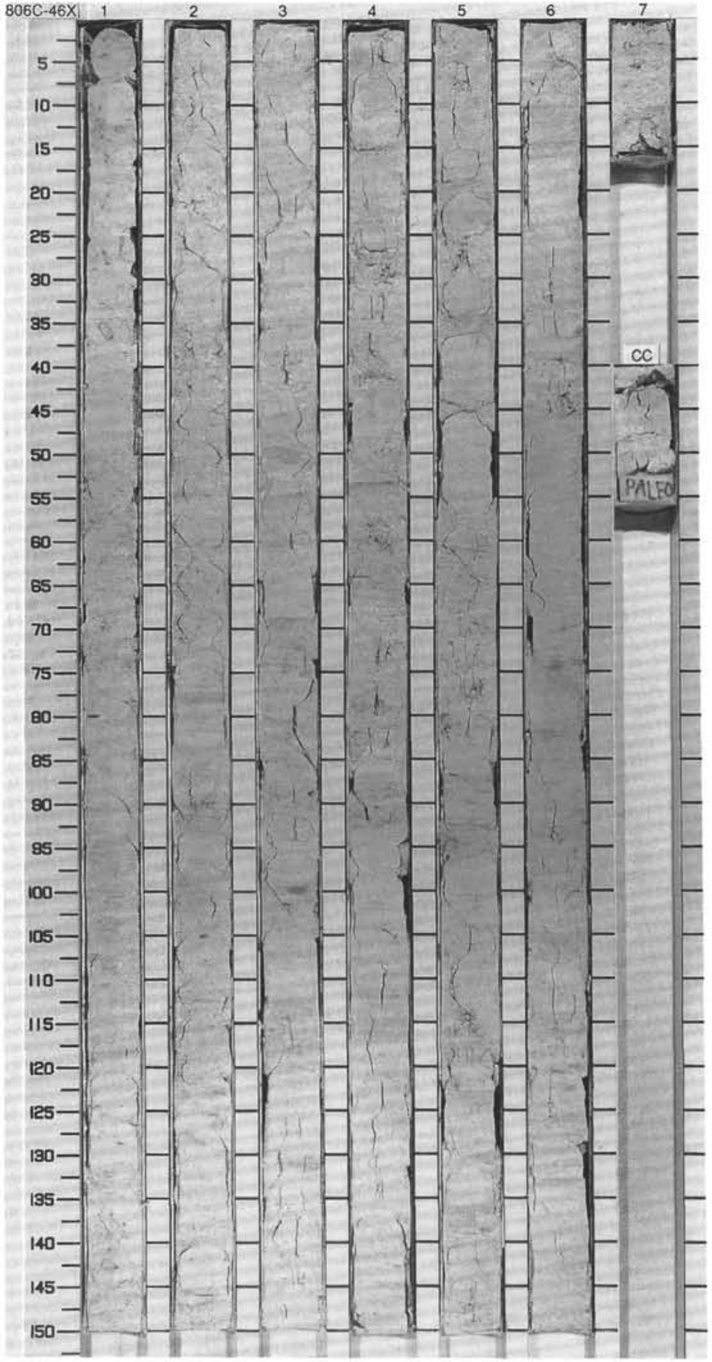


NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. The chalk is bioturbated as indicated by light gray (2.5Y 7/2) burrows, pyrite specks, pale purple (5P 6/2) streaks, and trace fossils. Faint greenish gray (5G 7/1) and pale purple (5P 6/2) bands, between 0.1 and 1 cm thick, are apparent throughout. Microfaulting is present at the base of Section 5.

SMEAR SLIDE SUMMARY (%):

	3, 84 D
TEXTURE:	
Sand	15
Silt	50
Clay	35
COMPOSITION:	
Diatoms	Tr
Foraminifers	27
Nannofossils	67
Radiolarians	2
Siliceous fragments	3



SITE 806 HOLE C CORE 47X CORED INTERVAL 435.2-444.9 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
MIDDLE MIOCENE	A/M	N12				V-1644 ● 0-60.3 ρ-1.67							
	A/M	NN6				V-1673 ● 0-58.0 ρ-1.73		5					
						V-1757 ● 0-58.7 ρ-1.71		3					*
						V-1669 ● 0-61.0 ρ-1.66		2					
						V-1582 ● 0-59.2 ρ-1.68		1	0.5				
									1.0				
								7					
								CC					

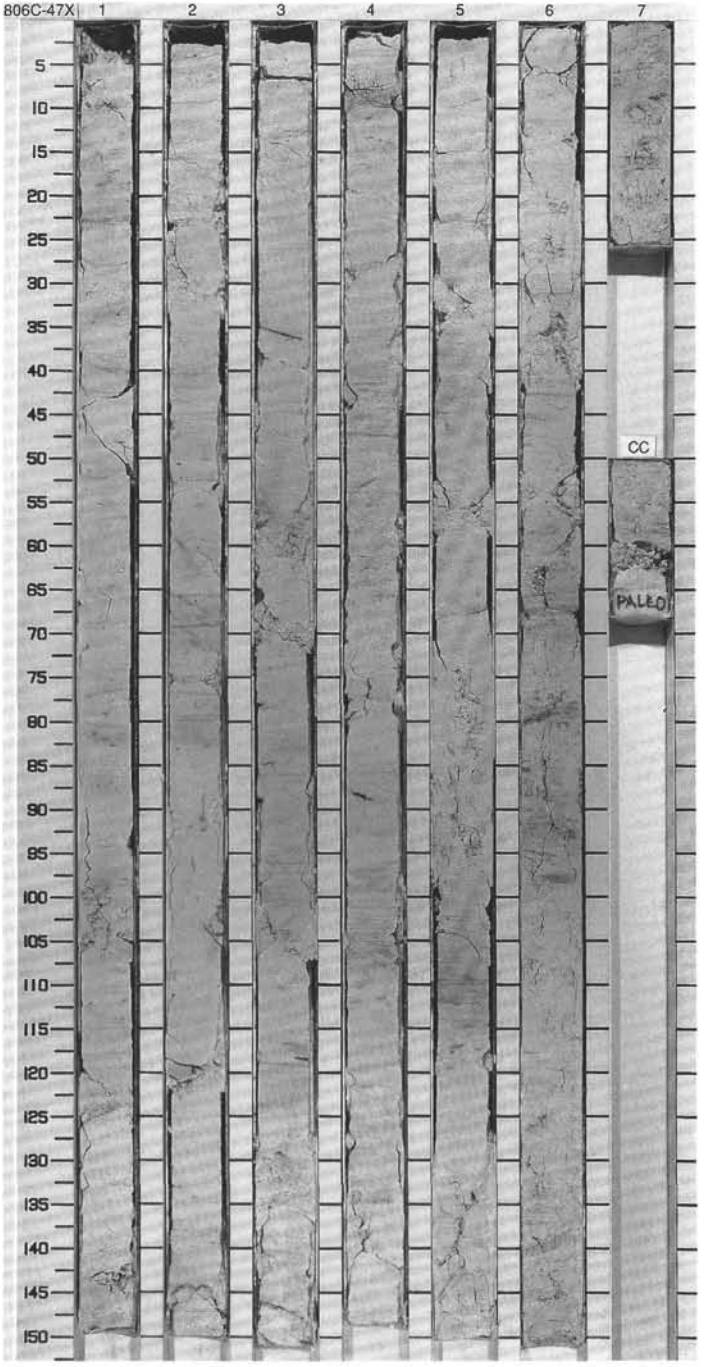
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. The chalk is bioturbated as indicated by light gray (2.5Y 7/2) burrows (*Zoophycos*), and pyrite specks, pale purple (5P 6/2) streaks, and trace fossils. Faint pale yellowish green (10GY 7/2) and pale purple (5P 6/2) bands, between 0.1 and 1 cm thick, are apparent throughout the core. The color bands are commonly grouped in 5 to 10 cm thick, pale purple zones.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	17
Silt	50
Clay	33
COMPOSITION:	
Accessory minerals	1
Diatoms	Tr
Foraminifers	26
Nannofossils	70
Radiolarians	Tr
Siliceous fragments	3



SITE 806 HOLE C CORE 48X CORED INTERVAL 444.9-454.6 mbsf

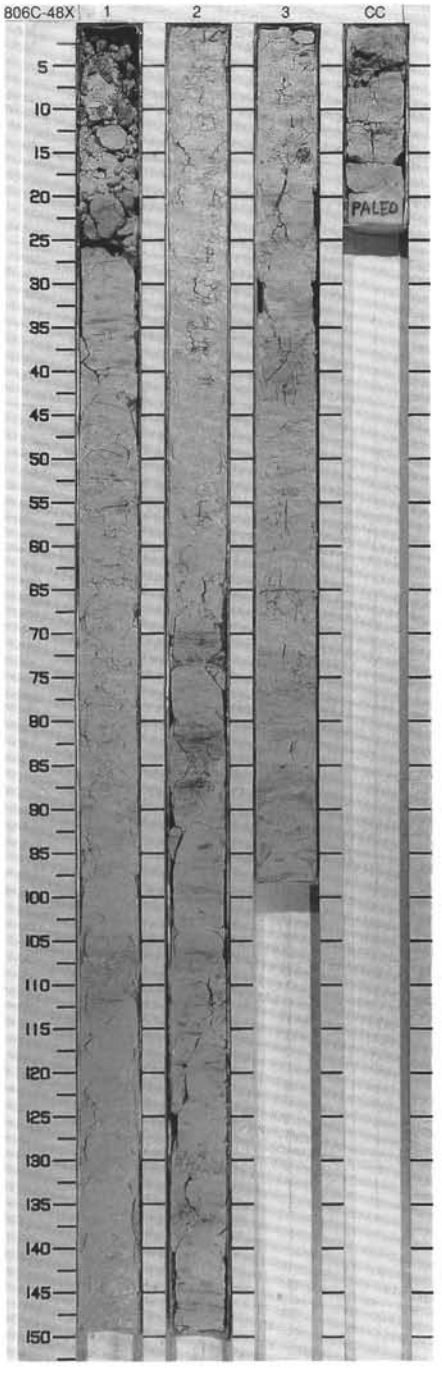
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MIDDLE MIOCENE	A/M N11 - N12	A/M NN6				V=1721 ●Φ=59.2 ρ=1.69 ●Φ=58.2 ρ=1.72 V=1713		1	0.5 1.0				
								2					*
								3					
								CC					

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. The chalk is bioturbated as indicated by light gray (2.5Y 7/2) burrows (*Zoophycos*) and pyrite specks, and pale purple (5P 6/2) streaks. Faint pale yellowish green (10GY 7/2), greenish gray (5G 7/1) and pale purple (5P 6/2) color bands, between 0.1 and 1 cm thick, are apparent throughout. The color bands are commonly located in 5 to 10 cm thick, pale purple zones. Porcellanite concretions/nodules are abundant at the top of Section 1.

SMEAR SLIDE SUMMARY (%):

	2, 74 D
TEXTURE:	
Sand	15
Silt	55
Clay	30
COMPOSITION:	
Accessory minerals	2
Diatoms	Tr
Foraminifers	26
Nannofossils	69
Radiolarians	Tr
Siliceous fragments	3



SITE 806 HOLE C CORE 49X CORED INTERVAL 454.6-464.5 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
MIDDLE MIOCENE	N11	NN6				V=1781 ● ϕ=56.3 ρ=1.73 V=1747 ● ϕ=57.4 ρ=1.74 V=1647 ● ϕ=57.9 ρ=1.71		1 2 3 4 5 CC	0.5 1.0				*
	A/M	A/M											

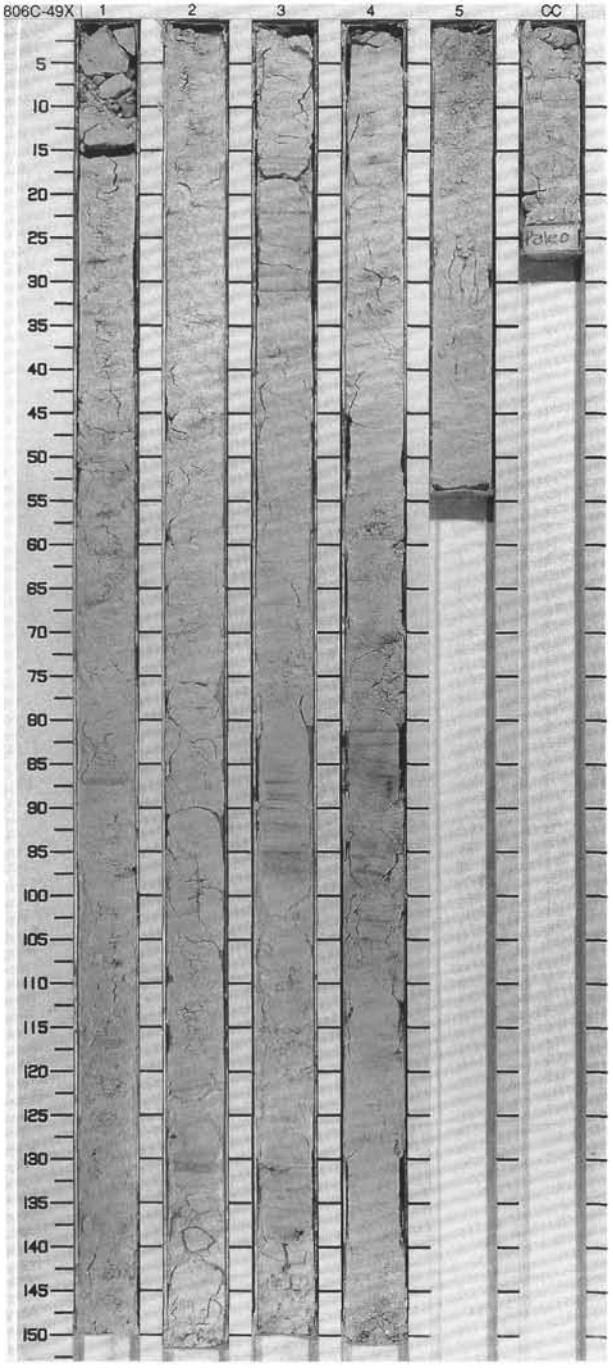
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. Drilling disturbance resulted in moderately fractured to heavily fragmented biscuits in a stiff ooze matrix. The sediment is moderately bioturbated as indicated by light gray (2.5Y 7/2) mottles and pyritic burrow fills. A *Zoophycos* burrow is noted in Section 4. Distinct mm thick, greenish gray (5G7/1) color bands are frequent throughout the core, and a few diffuse, cm thick, pale purple (5P 6/2) color zones are observed. A few porcellanite concretions are present at the top of Section 1.

SMEAR SLIDE SUMMARY (%):

	2, 75 D
TEXTURE:	
Sand	30
Silt	50
Clay	20
COMPOSITION:	
Diatoms	Tr
Foraminifers	40
Nannofossils	60
Radiolarians	Tr



SITE 806 HOLE C CORE 50X CORED INTERVAL 464.5-474.3 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 MIOCENE	A/G	N11				V-1631 Φ-59.8 ρb 1.69		1	0.5				
	A/M	NN5							1.0				
						V-1874 Φ-58.1 ρb 1.70		2					
						V-1680 Φ-55.8 ρb 1.75		3					*
						V-1715 Φ-56.6 ρb 1.73		4					
					V-1622 Φ-56.0 ρb 1.76			5					
								6					
								7					
								CC					

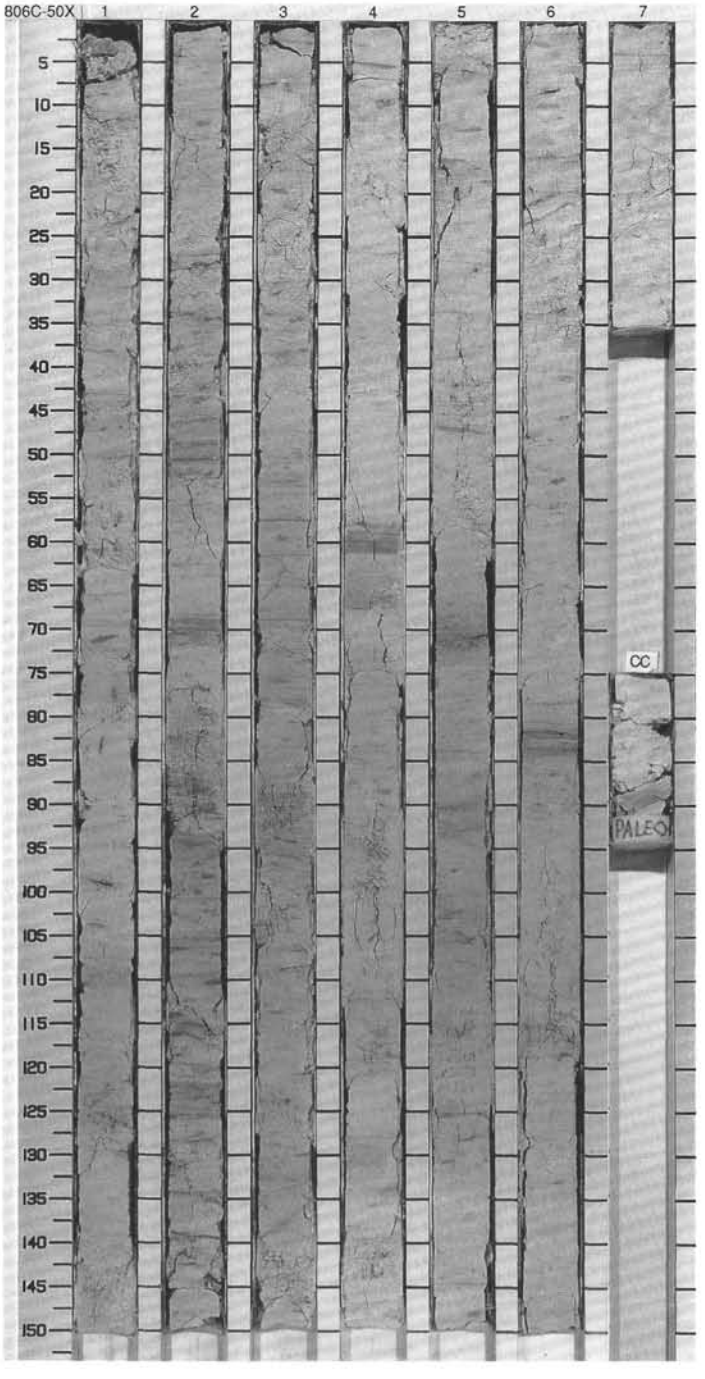
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. The sediment is moderately bioturbated as indicated by light gray (2.5Y 7/2) mottles and pyritic burrow fills. Distinct mm thick, greenish gray (5G 7/1) color bands are frequently present throughout the core, and a few diffuse, cm thick, pale purple (5P 6/2) color zones are observed.

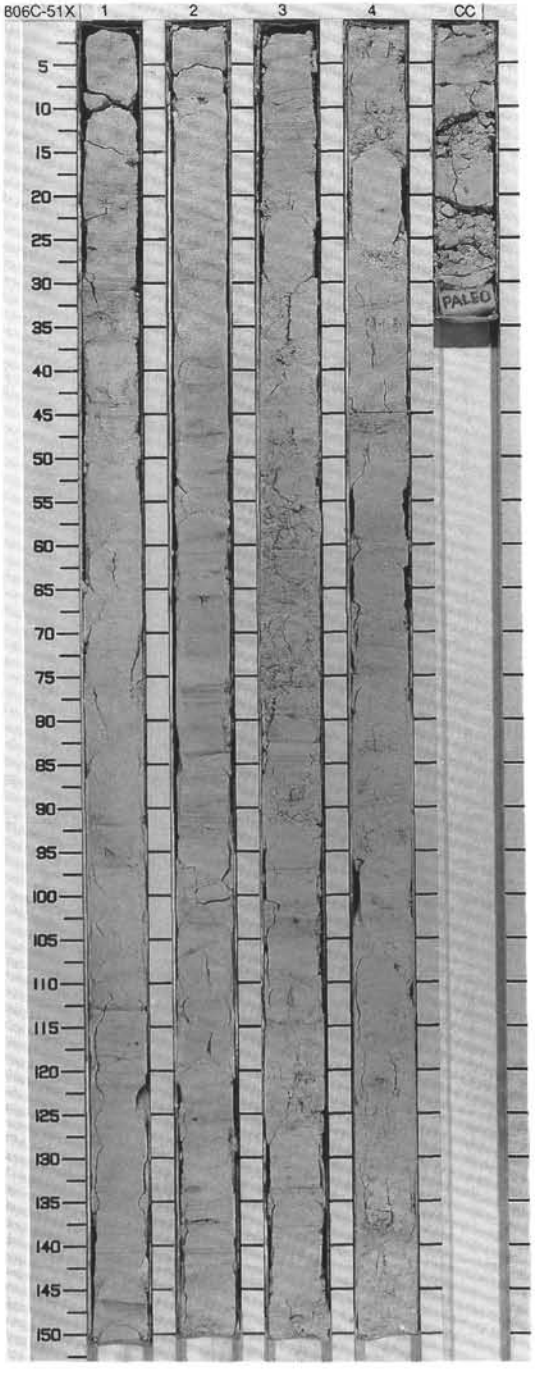
SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	15
Silt	60
Clay	25
COMPOSITION:	
Diatoms	1
Foraminifers	20
Nannofossils	79
Radiolarians	Tr

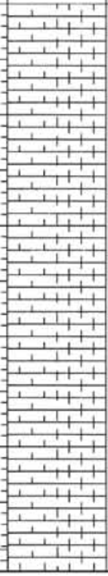


SITE 806 HOLE C CORE 51X CORED INTERVAL 474.3-483.7 mbsf

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
MIDDLE MIOCENE	N11	NN5				V-1811 ρ=56.7 ρ=1.73		1	0.5					NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. Pale yellowish green (10GY 7/2), very thin color bands are common to frequent. Some cm scale, pale purple (5P 6/2) color bands are also present. Numerous burrow mottles, burrows (*Zoophycos*), and pyritized specks are indicative of moderate bioturbation. A few porcellanite concretions/ nodules are observed. SMEAR SLIDE SUMMARY (%): 3, 84 D TEXTURE: Sand 15 Silt 55 Clay 30 COMPOSITION: Accessory minerals 2 Diatoms Tr Nannofossils 68 Radiolarians Tr
	A/M	A/M							1.0					
								2						
								3					*	
								4						
								CC						



SITE 806 HOLE C CORE 52X CORED INTERVAL 483.7-493.3 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MIDDLE MIOCENE	N10 A/M	NN5 A/M				V-1846 ● φ=53.2 ρ=1.81; V-1867 ● φ=56.7 ρ=1.75; V-1949 ● φ=56.6 ρ=1.74		1, 2, 3, 4, CC	0.5, 1.0				*

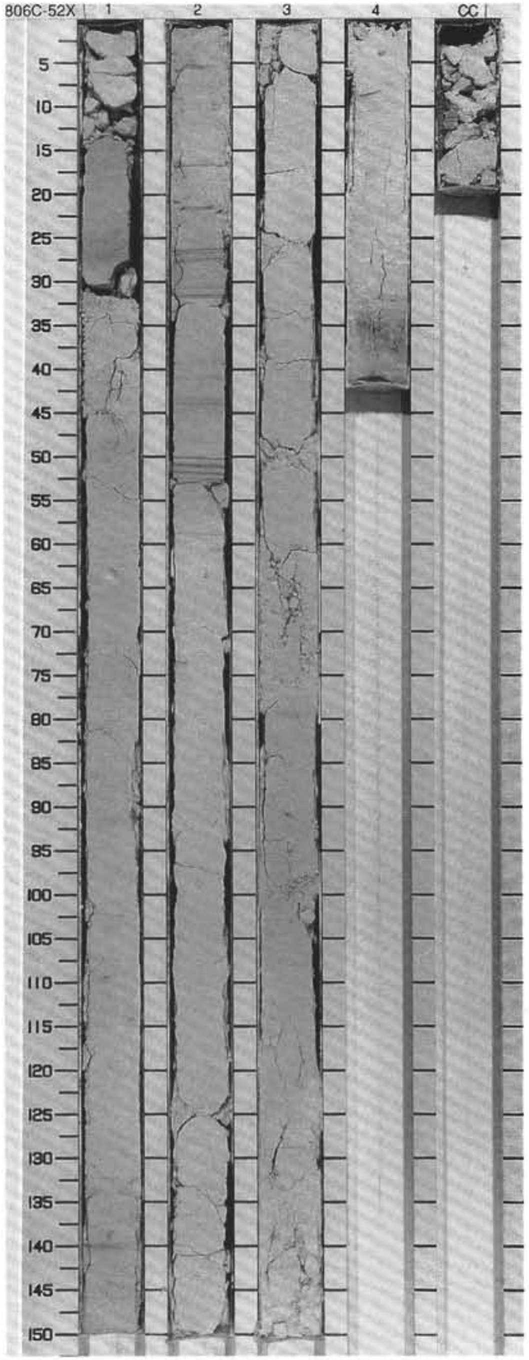
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. Zones of pale pink (5RP 8/2), between 20 and 40 cm thick, are present in Sections 1 and 2. These zones contain sets of thin (1 mm) greenish gray (5BG 5/1) and pale purple (5P 6/2) bands that are spaced about 5 cm apart. The chalk is bioturbated with *Zoophycos* trace fossils.

SMEAR SLIDE SUMMARY (%):

	2, 75 D
TEXTURE:	
Sand	20
Silt	60
Clay	20
COMPOSITION:	
Foraminifers	25
Nannofossils	75
Radiolarians	Tr



SITE 806 HOLE C CORE 53X CORED INTERVAL 493.3-503.0 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
MIDDLE MIOCENE	N8 - N9	NN5						1	0.5				
	A/M	A/M							1.0				
								2					
								3					*
								4					
								5					
								6					
								CC					

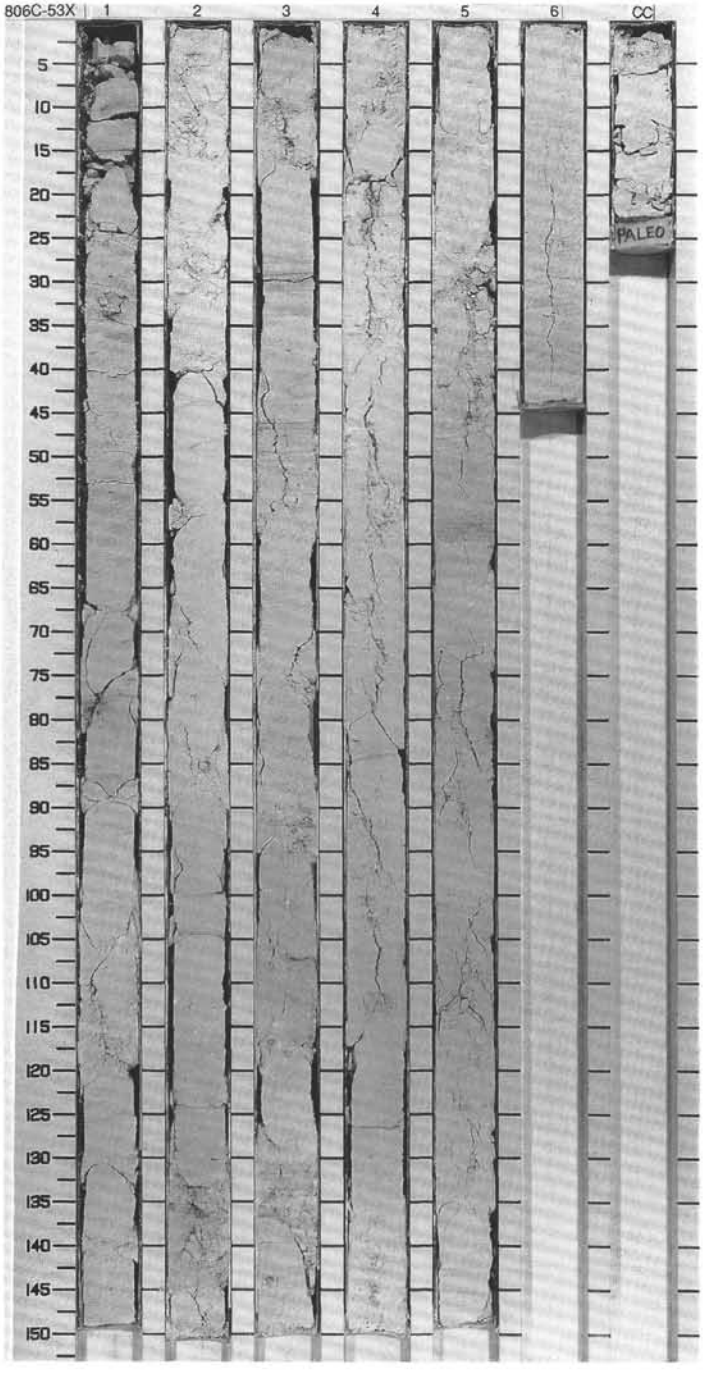
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. Only a few color bands were observed. These bands are distinct, very thin (<1 mm) and greenish gray (5G 7/1) and pale purple (5P 6/2) in color. In Section 3, they are observed in intervals 5-10 cm thick. Bioturbation appears to be moderate, as indicated by a few light gray (2.5Y 7/2) mottles, pyritized burrow fills, and *Zoophycos* trace fossils in Section 4. Bioturbation appears to be heavy in a few darker intervals. At the top of Section 1, several calcite nodules (ca. 1 cm in diameter) are found. The concentration of these nodules at the top of the core may indicate that they are washed in.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	15
Silt	70
Clay	15
COMPOSITION:	
Diatoms	1
Foraminifers	30
Nannofossils	66
Radiolarians	1
Siliceous fragments	2
Siliceous sponge spicules	Tr



SITE 806 HOLE C CORE 54X CORED INTERVAL 503.0-512.7 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
MIDDLE MIOCENE	A/M	A/M						1	0.5				
	N8 - N9	NN5							1.0				
								2					
								3					*
								4					
								CC					

V=1706 @ 52.7 / 1.81

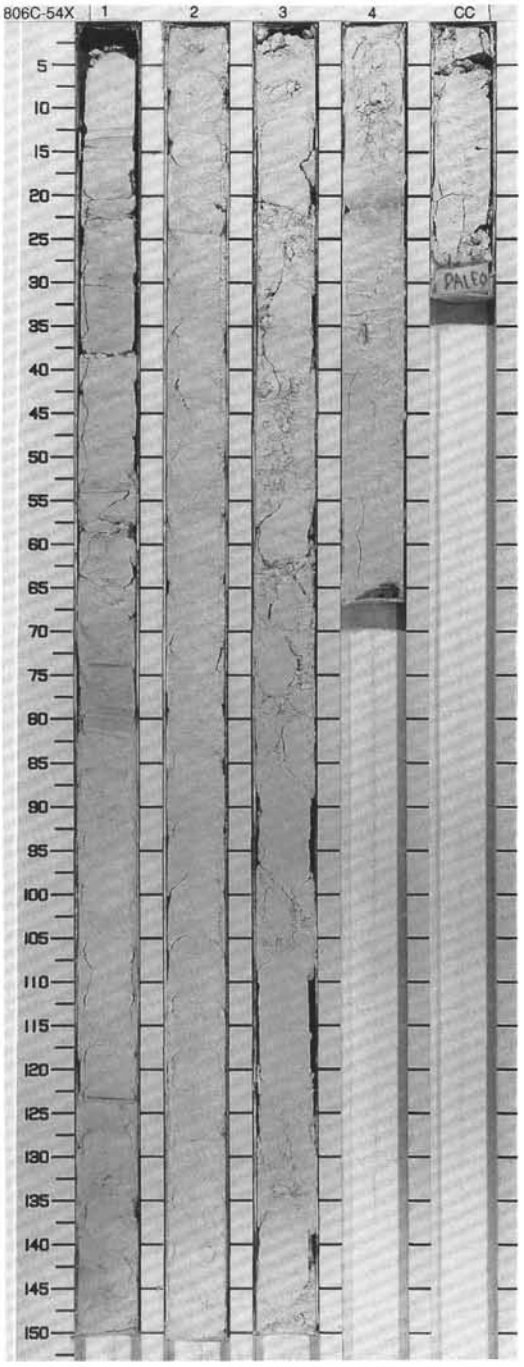
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. Drilling disturbance is moderate, except for Section 1, where it is heavy. The only signs of bioturbation are a few *Zoophycos* trace fossils in Section 3, and pyritic specks and streaks. Very few thin (mm scale), greenish gray (5G 7/1) and pale purple (5P 6/2) color bands and diffuse pale purple intervals are observed.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	70
Clay	20
COMPOSITION:	
Foraminifers	25
Nannofossils	70
Radiolarians	3
Siliceous fragments	2



SITE 806 HOLE C CORE 55X CORED INTERVAL 512.7-522.4 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/M N8 - N9	A/M NN5				V-1785 Φ=54.3 ρ=1.78; V-1757 Φ=54.3 ρ=1.76; V-1799 Φ=53.8 ρ=1.79		1 2 3 4 CC	0.5 1.0				*

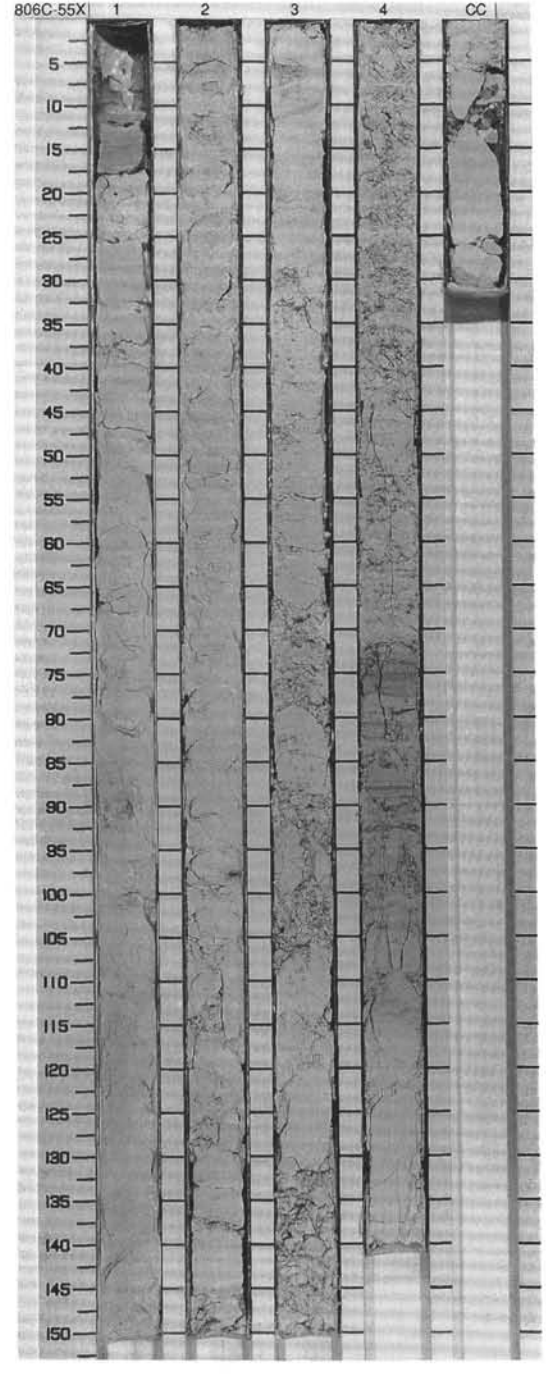
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/0) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. The chalk is moderately bioturbated as indicated by burrows, trace fossils, and pyrite specks. The chalk is characterized by 5 to 10 cm thick, pale pink (5RP 8/2) zones, which contain fine (1 mm) bluish gray (5B 5/1) bands. A porcellanite nodule is noted at the top of Section 4.

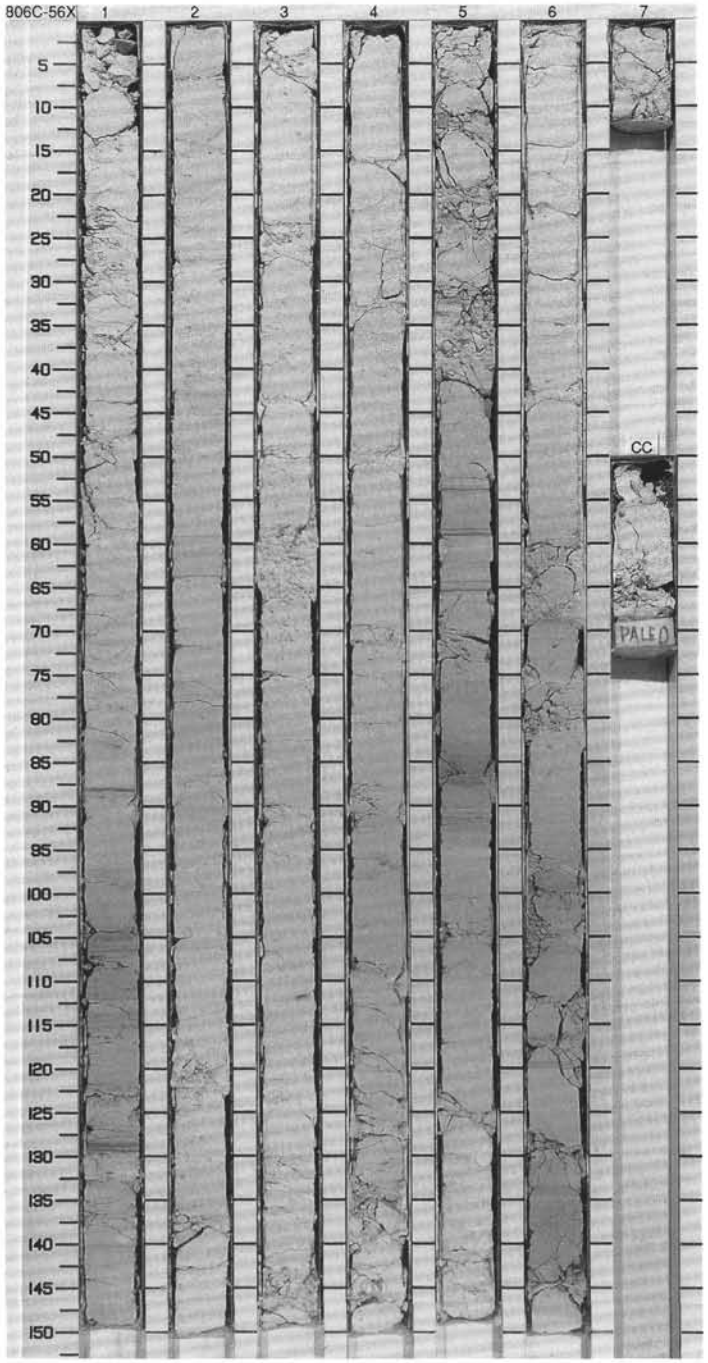
SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	70
Clay	20
COMPOSITION:	
Foraminifers	30
Nannofossils	64
Radiolarians	3
Siliceous fragments	3



SITE 806 HOLE C CORE 56X CORED INTERVAL 522.4-532.0 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
MIDDLE MIOCENE	A/G N8 - N9	A/M NN4				V-1739 Φ=53.8 ρ=1.79 V-1688 Φ=54.3 ρ=1.78 V-1845 Φ=55.4 ρ=1.75		1 2 3 4 5 6 7 CC	0.5 1.0				*	NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. It is moderately bioturbated, as is evident from mottles, trace fossils (*Zoophycos*), and pyrite-filled burrows. Distinct mm thick, dark gray (2.5Y 4/0) and greenish gray (5G 6/1) color bands, and cm thick, pale purple (5P 6/2) zones are common. The pale purple zones have distinct, horizontal, mm thick, white (10YR 8/1) bands within them. SMEAR SLIDE SUMMARY (%): 3, 74 D TEXTURE: Sand 15 Silt 50 Clay 35 COMPOSITION: Accessory minerals 2 Foraminifers 28 Nannofossils 67 Radiolarians Tr Siliceous fragments 3



SITE 806 HOLE C CORE 57X CORED INTERVAL 532.0-541.7 mbsf

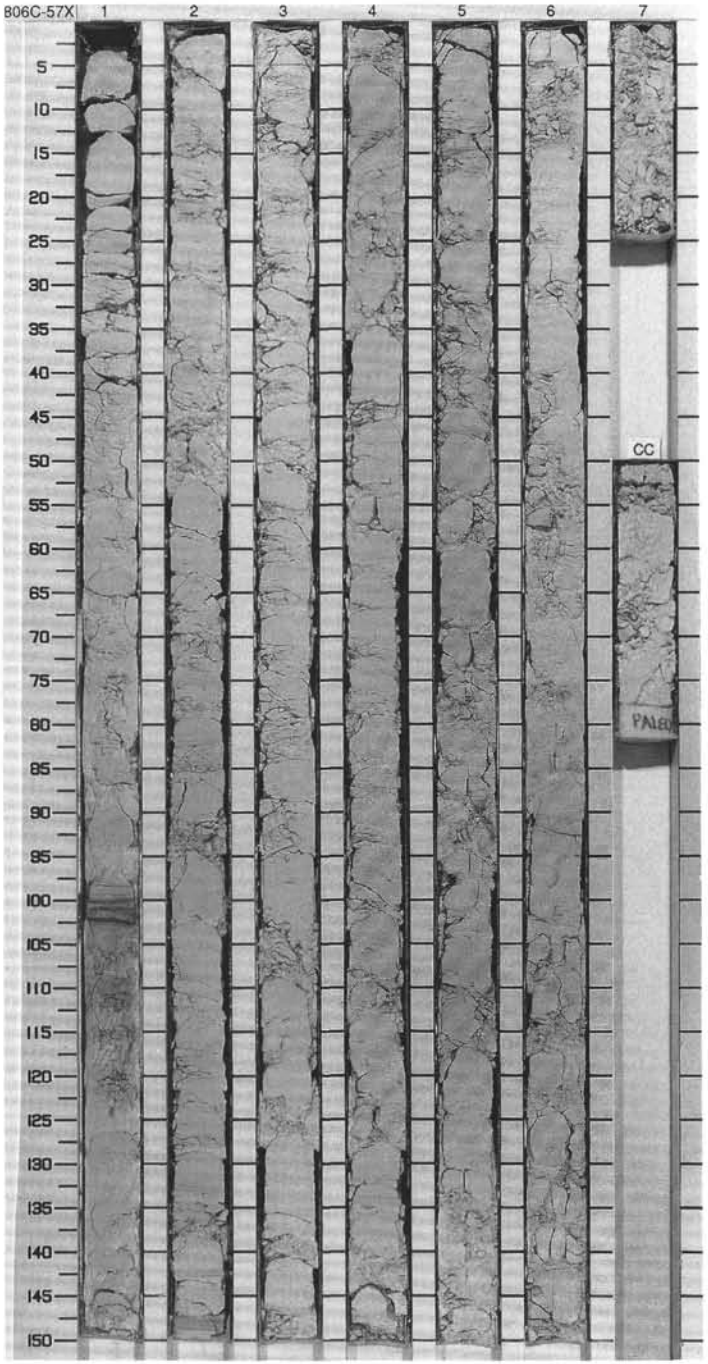
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
MIDDLE MIOCENE	N8 - N9	NN4				V-1763 ● Φ-51.1 ρ-1.84 V-1744 ● Φ-52.9 ρ-1.79 V-1694 ● Φ-55.6 ρ-1.76 V-1773 ● Φ-54.5 ρ-1.77		1 2 3 4 5 6 7 CC	0.5 1.0				*	NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS interbedded with FORAMINIFER NANNOFOSSIL CHALK. It is moderately bioturbated and has numerous trace fossils, including *Zoophycos*, and pyrite infillings of burrows. Trace fossils are especially abundant in several 10 to 20 cm thick pale pink (5RP 8/2) zones. A few, very distinct, thin (<1 mm) dark gray (2.5Y 4/0) and greenish gray (5G 7/1) color bands are noted. The chalk is well lithified in this core.

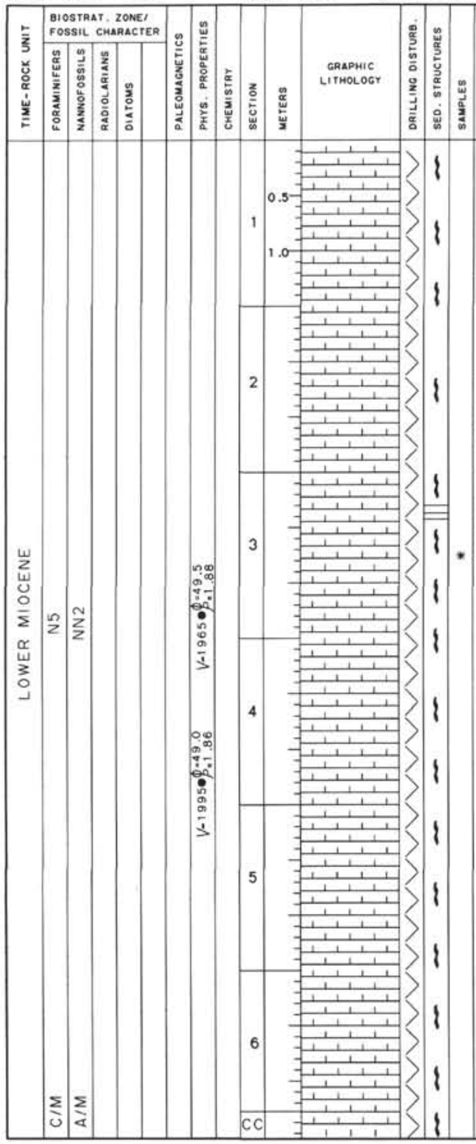
SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	8
Silt	65
Clay	27
COMPOSITION:	
Accessory minerals	2
Foraminifers	27
Nannofossils	68
Radiolarians	Tr
Siliceous fragments	3

WASH CORE: 541.7 to 599.0 mbsf



SITE 806 HOLE C CORE 58X CORED INTERVAL 599.0-608.5 mbsf



LITHOLOGIC DESCRIPTION

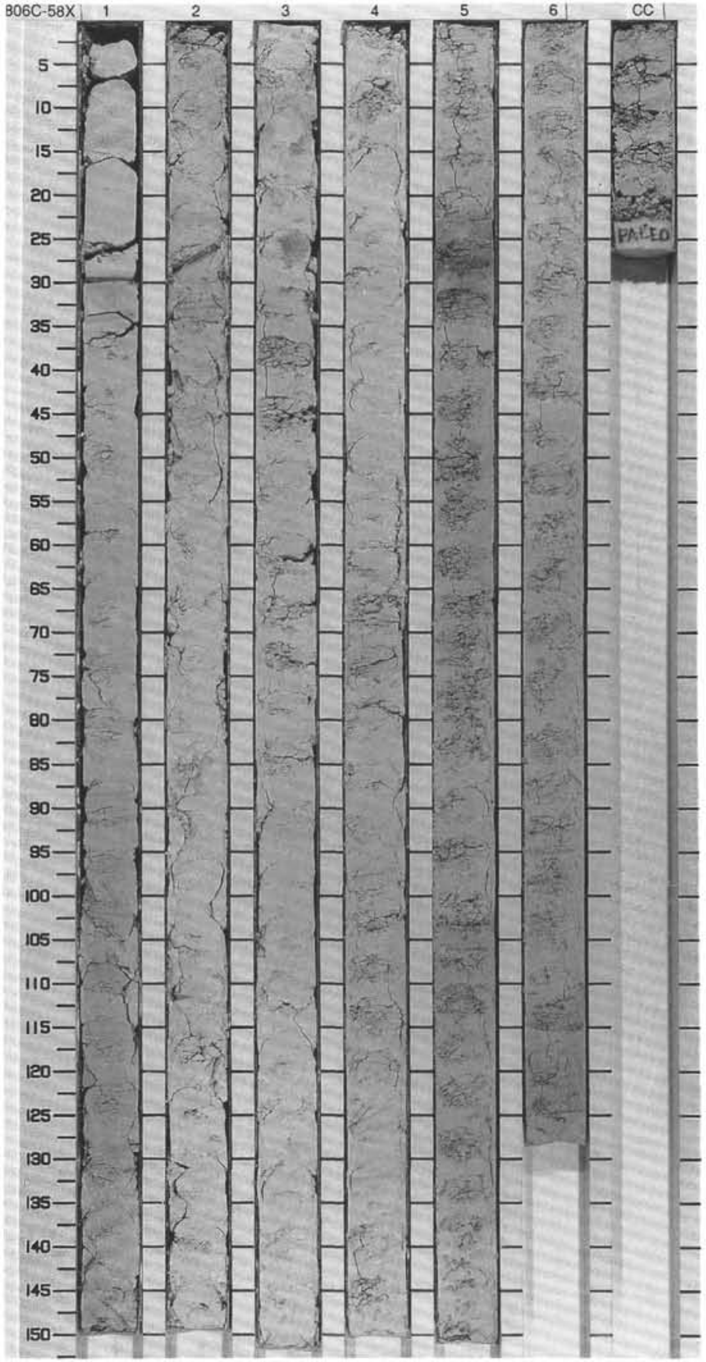
NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL CHALK with FORAMINIFERS. It is white (10YR 8/1) at the top of Section 1, in all of Sections 3 and 4, and most of Section 5; the remainder of the core is pale pink (5RP 8/2) in color. The sediment is moderately bioturbated, as indicated by faint mottles, and a few disseminated, pyritic burrow fills. In Section 4, *Zoophycos* trace fossils are noted. Very few distinct, mm thick, greenish gray (5G 7/1) and dark gray (2.5Y 4/0) color bands are present throughout the core. Drilling disturbance has resulted in highly fragmented biscuits in a stiff ooze matrix.

SMEAR SLIDE SUMMARY (%):

	3, 77 D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Diatoms	Tr
Foraminifers	12
Nannofossils	82
Radiolarians	Tr
Siliceous fragments	3

WASH CORE: 608.5 to 740.0 mbsf



SITE 806 HOLE C CORE 59X CORED INTERVAL 740.0-749.5 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER OLIGOCENE	P22 C/P	NN1 - NN2 A/M	*Dorcadopyris ateuchus* - *Lychnocanoma elongata* A/P	*Borgorovia veniamini* F-C/P			V-1968 φ=46.3 ρ=1.91 ●		1					*
									CC					

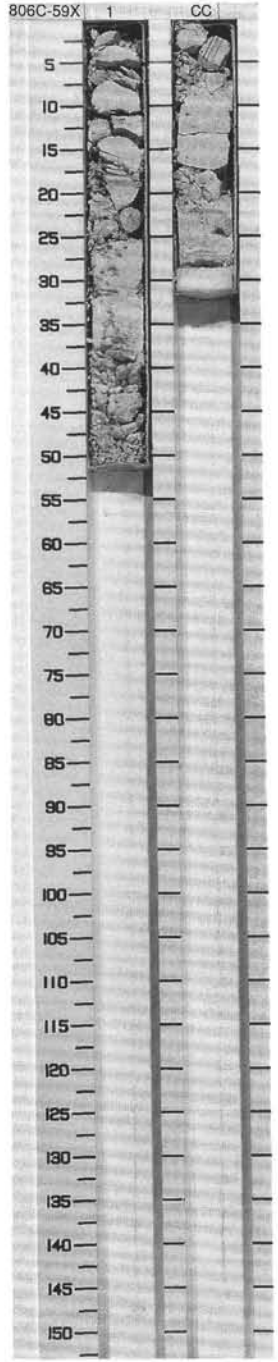
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS. Bioturbation is moderate, as indicated by faint mottles and burrow traces. A few distinct, mm thick, gray (10YR 6/1) color bands are noted. Drilling disturbance has resulted in highly fragmented biscuits in a stiff ooze matrix.

SMEAR SLIDE SUMMARY (%):

	1, 14 D
TEXTURE:	
Sand	5
Silt	80
Clay	15
COMPOSITION:	
Diatoms	Tr
Foraminifers	15
Nannofossils	82
Radiolarians	1
Siliceous fragments	2



SITE 806 HOLE C CORE 60X CORED INTERVAL 749.5-759.2 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 OLIGOCENE	P22 C/P	NN1 - NN2 A/P	*Dorcadopyris ateuchus - Lychnocanoma elongata* A/P	? F - C/P		χ-2112 ●		1						NANNOFOSSIL CHALK with FORAMINIFERS Major lithology: This core contains white (5Y 8/1) NANNOFOSSIL CHALK with FORAMINIFERS. The sediment is heavily bioturbated, as indicated by abundant burrows and trace fossils. Numerous thin, wavy, greenish gray (5G 7/1) color bands are observed. Drilling disturbance has resulted in highly fragmented biscuits in a stiff ooze matrix.
								CC						

SITE 806 HOLE C CORE 61X CORED INTERVAL 759.2-766.7 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER OLIGOCENE	P22 C/M	NP25 A/M	*Dorcadospyris ateuchus* - *Lychnocanoma elongata* A/P	*Rocella vigilans* C/M-P		V-2275 ● Φ=45.3 ρ=1.94; V-2023 ● Φ=45.7 ρ=1.94; ● V-2234; V-1945 ● Φ=45.6 ρ=1.93		1, 2, 3, 4, 5, 6, CC	0.5, 1.0				* (Section 3); OG, IW (Section 4)

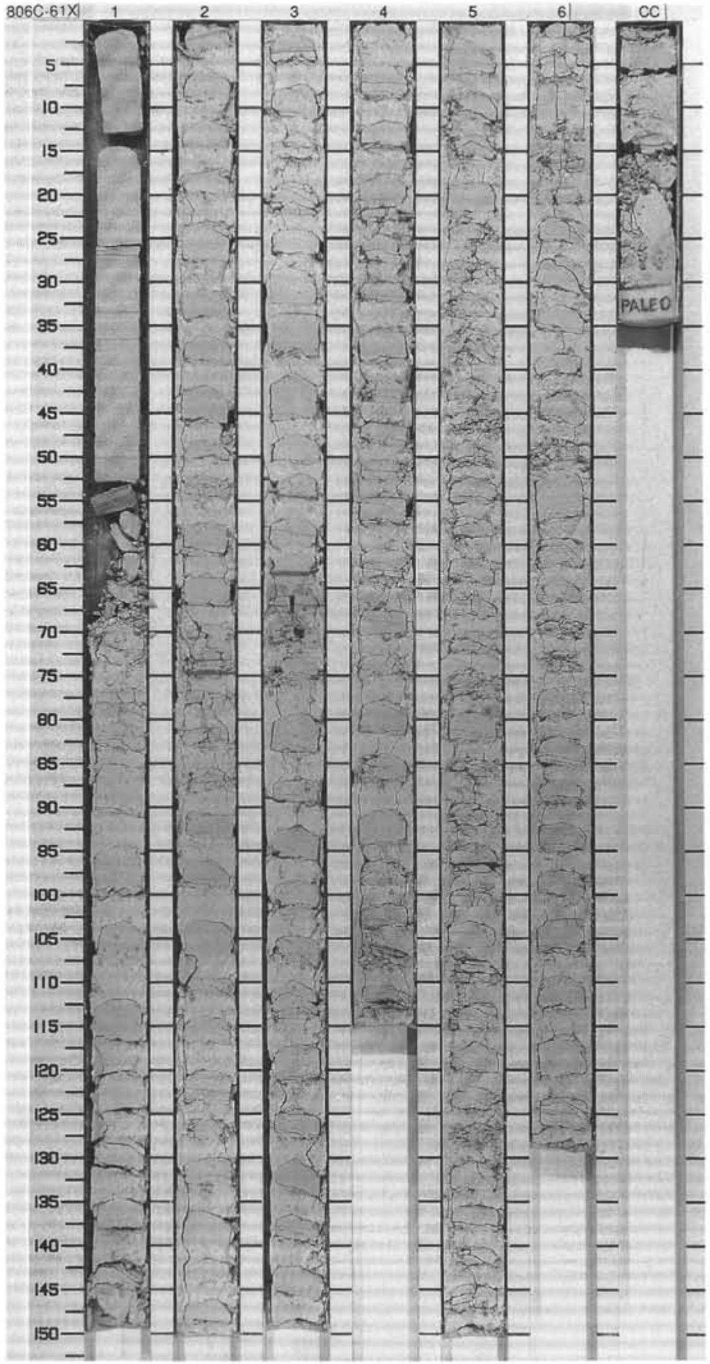
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (10YR 8/1) NANNOFOSSIL CHALK with FORAMINIFERS. The sediment is heavily bioturbated, as evident from abundant burrows and trace fossils. Numerous ultra-thin (<1 mm), wavy greenish gray to gray (5G 7/1 to N7/) color bands and zones of color bands (cm's thick) are apparent. Much of the core consists of fragmented biscuits in a stiff ooze matrix, which formed during the drilling process.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	8
Silt	60
Clay	32
COMPOSITION:	
Accessory minerals	2
Diatoms	Tr
Foraminifers	10
Nannofossils	85
Radiolarians	Tr
Siliceous fragments	3



SITE 806 HOLE C CORE 62X CORED INTERVAL 766.7-776.4 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER OLIGOCENE	P22	NP25 A/G	*Dorcadospyris ateuchus* - *Lychnocanoma elongata* A/P	*Rocella vigilans* C/P-M		V=2178 φ=43.4 ● ρ=1.96		1	0.5				*
								CC					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (5Y 8/1) NANNOFOSSIL CHALK with FORAMINIFERS. The chalk is bioturbated with burrows and trace fossils. Distinct, very thin (<1 mm), gray (5Y 6/1) bands that form a braided pattern are present over intervals of 1 to 3 cm.

SMEAR SLIDE SUMMARY (%):

	1, 43
	D
TEXTURE:	
Sand	5
Silt	75
Clay	20
COMPOSITION:	
Accessory minerals	1
Diatoms	1
Foraminifers	10
Nannofossils	86
Radiolarians	Tr
Siliceous fragments	2