SITE 805 HOLE A CORE 1H CORED INTERVAL 0.0-3.0 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
PLEISTOCENE	N22 - N23	NN20 - NN21		NTD 17 *Pseudoeunotia doliolus*				1	0.5					SEDIMENT TYPE This core was not opened on ship.
									1.0					
								2						
	A/M	A/P		C/P-M				CC						

SITE 805 HOLE A CORE 2H CORED INTERVAL 3.0-12.5 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
PLEISTOCENE	N22	NN19		NTD 16 *Nitzschia reinholdii*				1	0.5					SEDIMENT TYPE This core was not opened on ship.
									1.0					
								2						
	A/M	A		F/P				CC						

SITE 805 HOLE A CORE 3H CORED INTERVAL 12.5-22.0 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
PLEISTOCENE	A/M N22	A/M NN19			R? (Matuyama?) N? (Jaramillo?) R? (Matuyama?) (Cobb?) (N?) R? (Matuyama?)			1 2 3 4 5 6 CC	0.5 1.0					SEDIMENT TYPE This core was not opened on ship.

SITE 805 HOLE A CORE 4H CORED INTERVAL 22.0-31.5 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
UPPER PLIOCENE	N19 - N21	NN18						1	0.5 1.0					SEDIMENT TYPE This core was not opened on ship.
	A/G	A/P						CC						

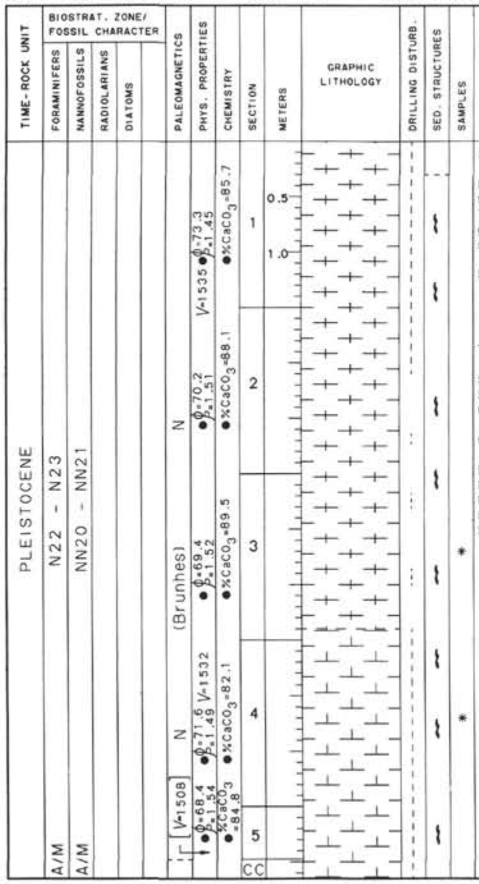
SITE 805 HOLE A CORE 5H CORED INTERVAL 31.5-41.0 mbsf

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
UPPER PLIOCENE	N21	NN18						1	0.5 1.0					SEDIMENT TYPE This core was not opened on ship.
	A/M	A/M						CC						

SITE 805 HOLE A CORE 6H CORED INTERVAL 41.0-50.5 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
UPPER PLIOCENE	N19 - N20	NN16						1 2	0.5 1.0					SEDIMENT TYPE This core was not opened on ship.
	A/P	A/P						CC						

SITE 805 HOLE B CORE 1H CORED INTERVAL 0.0-6.7 mbsf



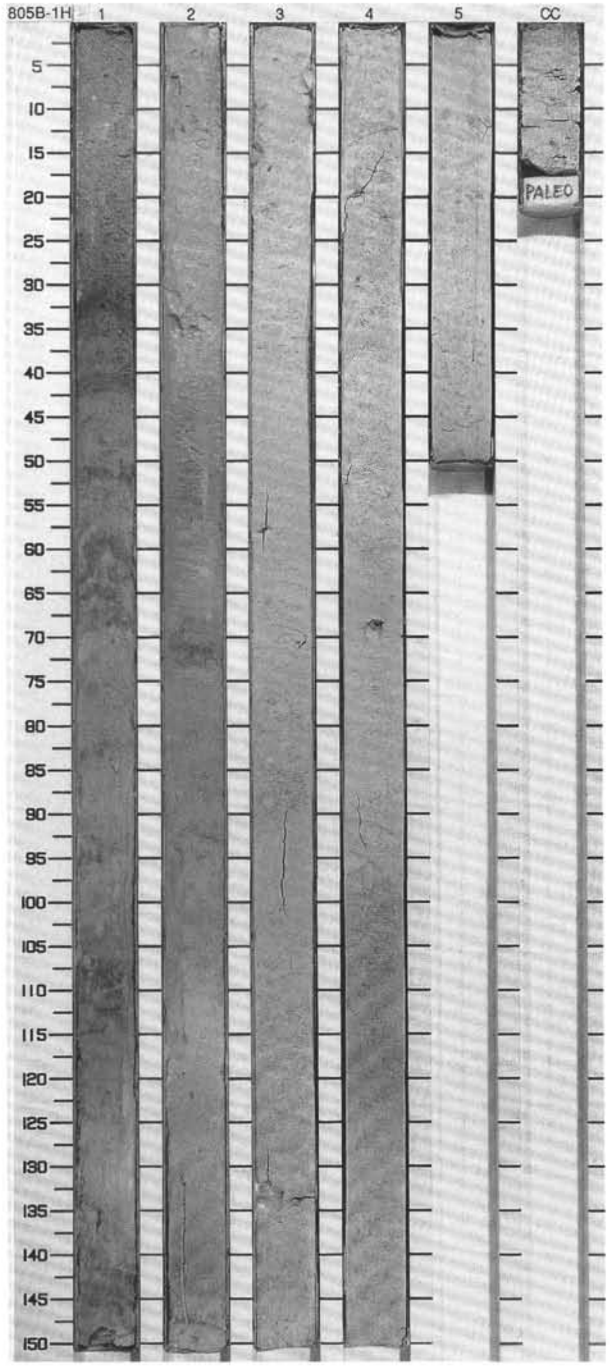
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE and NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains FORAMINIFER NANNOFOSSIL OOZE in Sections 1 through 3, and grades into NANNOFOSSIL OOZE with FORAMINIFERS in Sections 4 and 5. The color of the sediment grades from pale brown (10YR 6/3) at the top of Section 1 to light gray (10YR 7/2) in Section 2. The remainder of the core is light gray (2.5YR 7/1). The sediments are mottled by slight to heavy bioturbation.

SMEAR SLIDE SUMMARY (%):

	3, 70 D	4, 70 D
TEXTURE:		
Sand	20	12
Silt	78	86
Clay	2	2
COMPOSITION:		
Diatoms	1	—
Foraminifers	25	10
Nannofossils	69	87
Radiolarians	5	2
Siliceous sponge spicules	—	1



SITE 805 HOLE B CORE 2H CORED INTERVAL 6.7-16.2 mbsf

TIME-ROCK UNIT: PLEISTOCENE

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

PALEOMAGNETICS: R (Matuyama) R ? N Brunhes N ?

PHYS. PROPERTIES:
- V-1512 ρb=1.59 ρ=66.2
- V-1515 ρb=1.55 ρ=67.8
- V-1508 ρb=1.54 ρ=82.2
- V-1515 ρb=1.55 ρ=68.9
- V-1518 ρb=1.55 ρ=68.0
- V-1529 ρb=1.53 ρ=69.3

CHEMISTRY:
- %$CaCO_3$=87.6
- %$CaCO_3$=85.4
- %$CaCO_3$=86.2
- %$CaCO_3$=84.5
- %$CaCO_3$=89.4
- %$CaCO_3$=86.1

SECTION: 1 2 3 4 5 6 7 CC

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

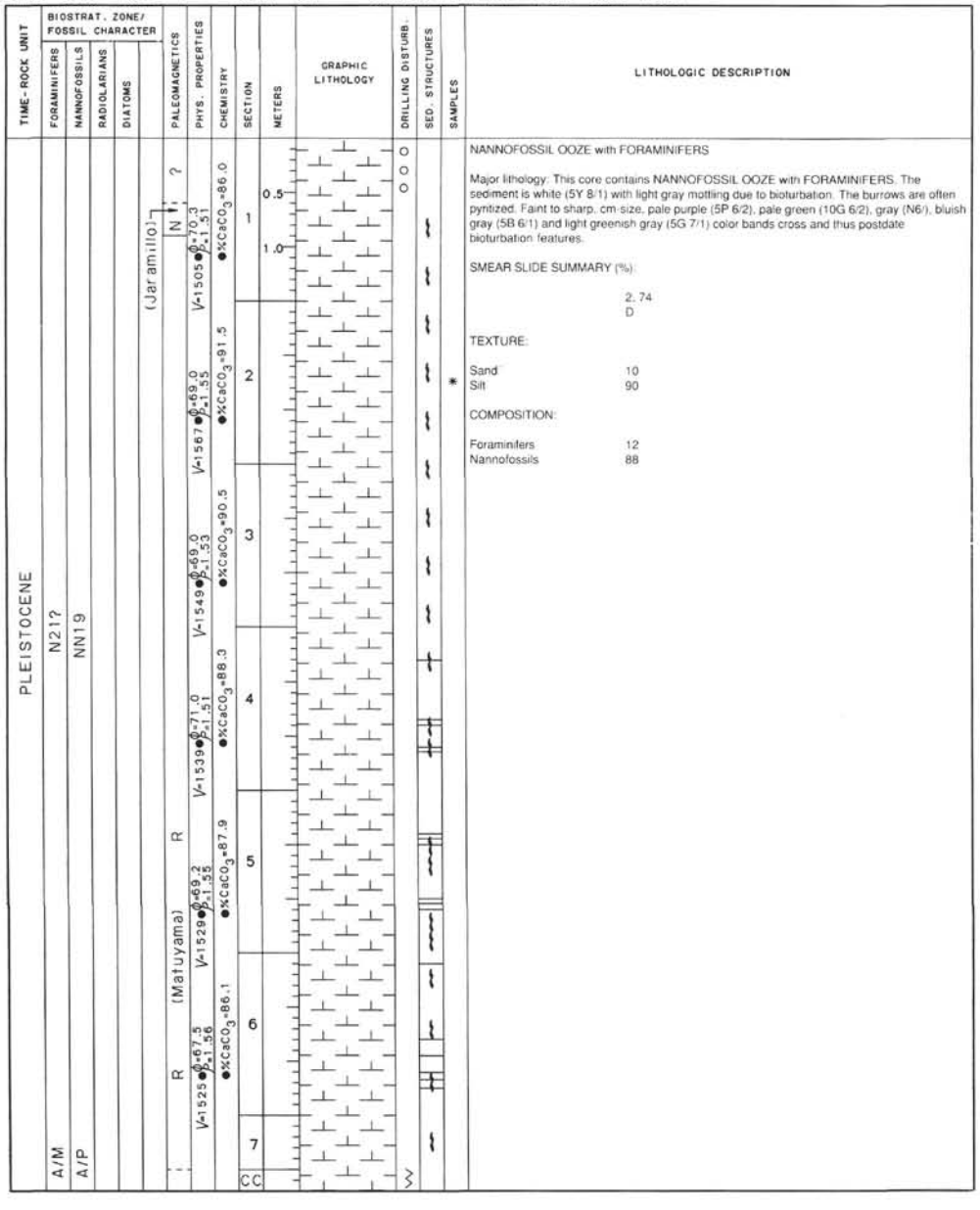
NANNOFOSSIL OOZE with FORAMINIFERS and NANNOFOSSIL OOZE

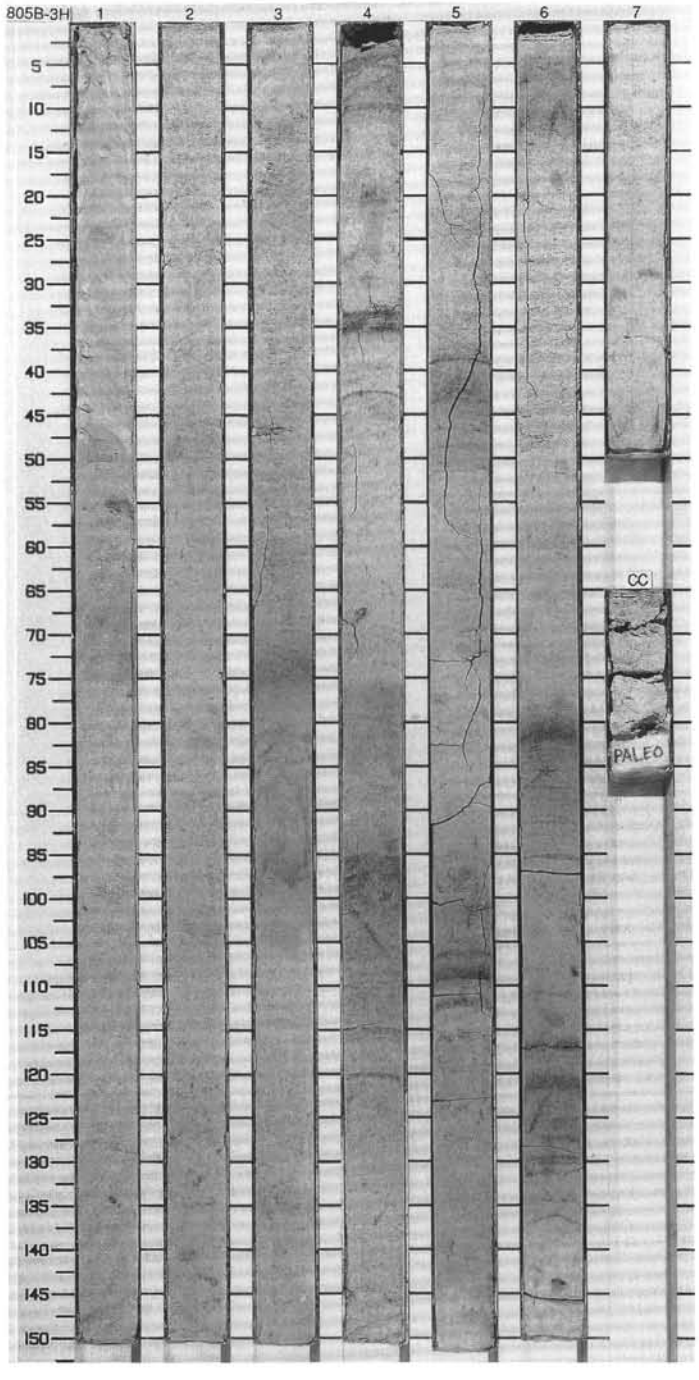
Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS, grading to NANNOFOSSIL OOZE in Section 7. The core is light gray (5Y 7/1, 2.5Y 7/0, and N7/), with faint gray (5Y 5/1 and 5Y 6/1), grayish blue (5PB 5/2), pale blue (5PB 7/2), pale purple (5P 6/2) and light greenish gray (5G 7/1) color bands. Bioturbation is slight to heavy throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 66
	D
TEXTURE:	
Sand	10
Silt	85
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	80
Radiolarians	Tr
Siliceous sponge spicules	Tr

SITE 805 HOLE B CORE 3H CORED INTERVAL 16.2-25.7 mbsf





SITE 805 HOLE B CORE 4H CORED INTERVAL 25.7-35.2 mbsf

TIME-ROCK UNIT: PLEISTOCENE; UPPER PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS A/M R? A/P N21; NANNOFOSSILS NN18; RADIOLARIANS; DIATOMS

PALEOMAGNETICS: N (Olduvai) R (Matuyama) ?

PHYS. PROPERTIES: V=1594 ρb=70.6 ρs=1.51; V=1550 ρb=68.2 ρs=1.55; V=1535 ρb=66.6 ρs=1.58; V=1515 ρb=67.3 ρs=1.56; V=1505 ρb=69.1 ρs=1.53

CHEMISTRY: %CaCO3=90.1; %CaCO3=86.9; %CaCO3=87.5; %CaCO3=87.5; %CaCO3=84.9

SECTION: 1 2 3 4 5 6 7 CC

METERS: 0.5 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

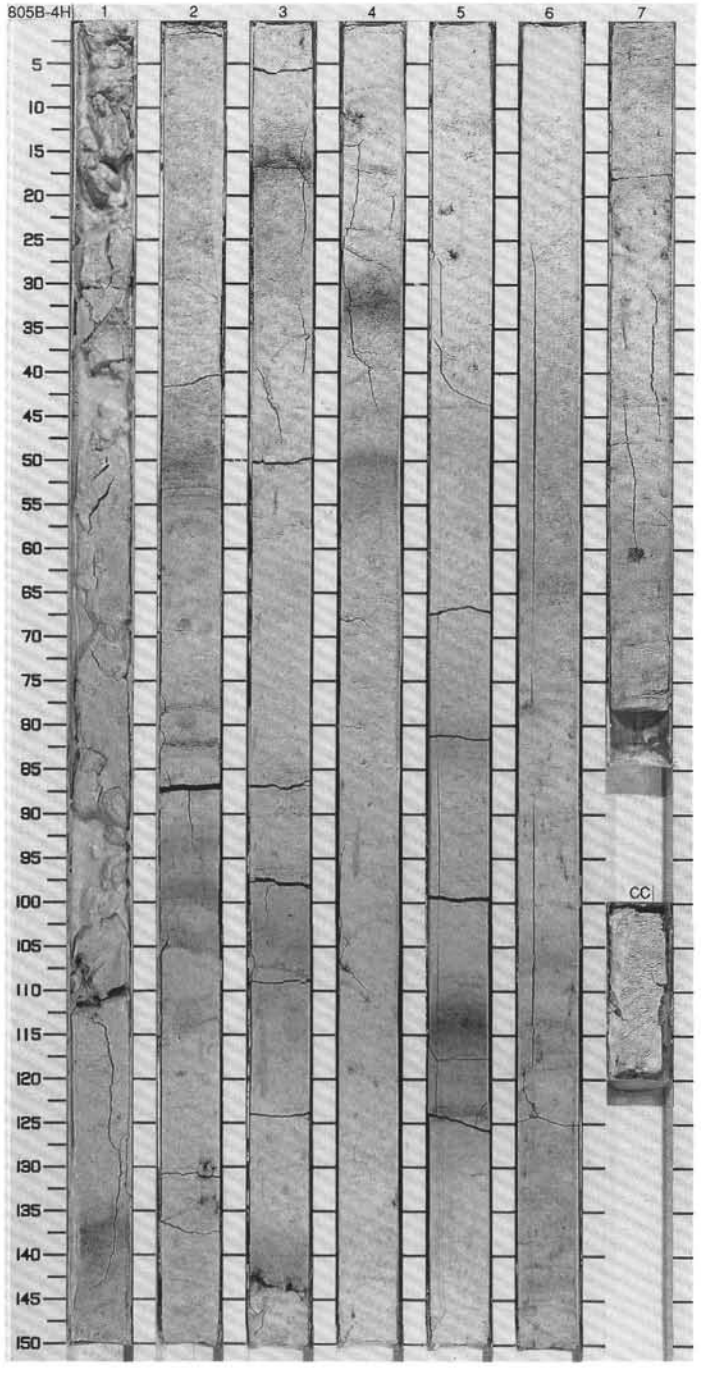
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is white (5Y 8/1 to 2.5Y 8/0) with light gray mottling due to bioturbation. Numerous faint to sharp, pale green (10G 6/2), light greenish gray (5G 7/1), pale purple (5P 6/2), and grayish purple (5P 4/2) color bands are observed throughout the core.

SMEAR SLIDE SUMMARY (%):

	4, 84 D
TEXTURE:	
Sand	12
Silt	86
Clay	2
COMPOSITION:	
Foraminifers	20
Nannofossils	77
Radiolarians	2
Silicoflagellates	1



SITE 805 HOLE B CORE 5H CORED INTERVAL 35.2-44.7 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER PLIOCENE	N21	NN16			POLARITY INDETERMINATE	V=1554 ● Φ=64.8 ρ=1.60	●%$CaCO_3$=91.9	1	0.5, 1.0				
						V=1547 ● Φ=66.6 ρ=1.57	●%$CaCO_3$=88.5	2					
						V=1568 ● Φ=63.5 ρ=1.65	●%$CaCO_3$=87.8	3					
						V=1540 ● Φ=64.4 ρ=1.62	●%$CaCO_3$=91.8	4					*
							●%$CaCO_3$=90.5	5					
						V=1582 ● Φ=70.2 ρ=1.53	●%$CaCO_3$=90.5	6					
								7					
	A/M	A/P						CC					

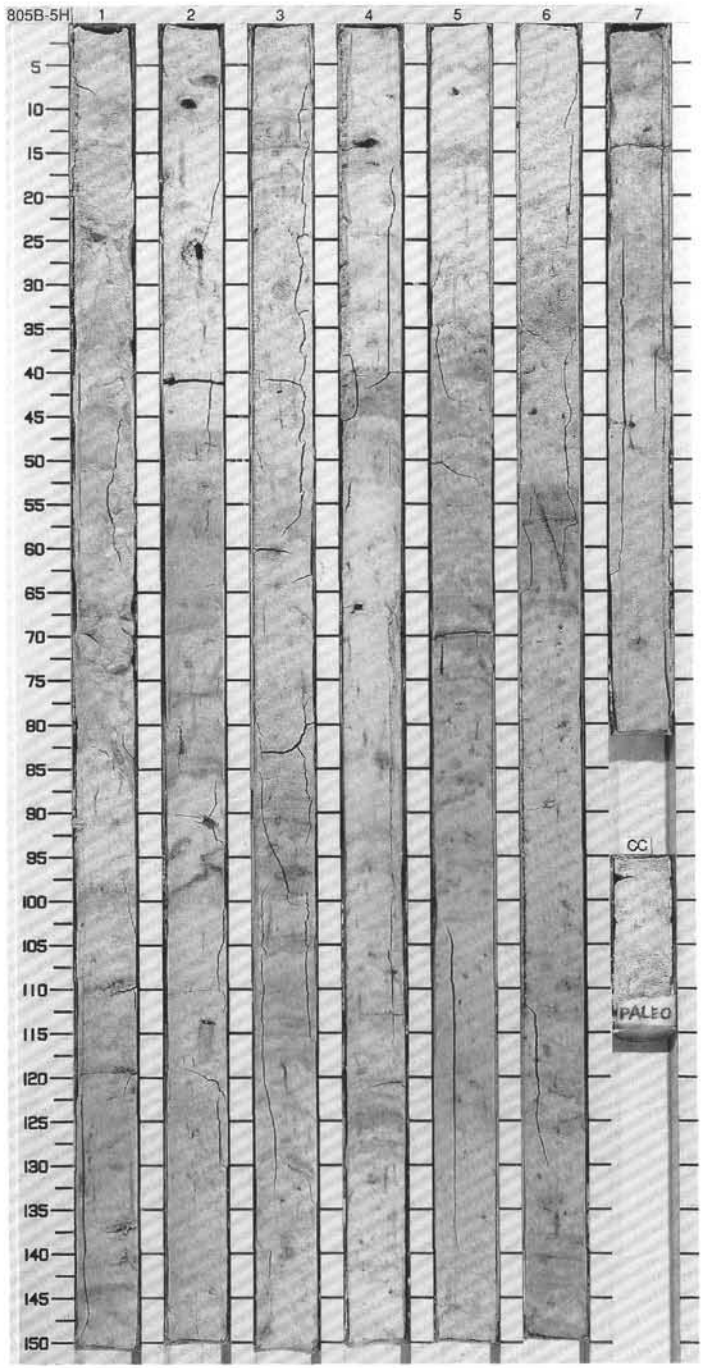
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is white (5Y 8/1 to 2.5Y 8/0), with minor to abundant light gray (5Y 7/1) and light olive gray (5Y 6/2) mottling throughout. Diffuse to well-defined, light gray (N7/), light greenish gray (5G 7/1), greenish gray (5G 6/1), grayish blue (5PB 5/2), and pale blue (5PB 7/2) color bands are common. A pyrite concretion, approximately 0.5 cm in diameter, was recovered in Section 2, 25 cm.

SMEAR SLIDE SUMMARY (%):

	4, 79
	D
TEXTURE:	
Sand	10
Silt	85
Clay	5
COMPOSITION:	
Accessory minerals	1
Diatoms	1
Foraminifers	16
Nannofossils	75
Radiolarians	5
Silicoflagellates	1
Spicules	1



SITE 805 HOLE B CORE 6H CORED INTERVAL 44.7-54.2 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
UPPER PLIOCENE	A/M N19 - N20	A/M NN16				V=1564 ϕ=65.3 ρ=1.59	%$CaCO_3$=91.9	6					
						V=1547 ϕ=66.3 ρ=1.58	%$CaCO_3$=90.9	5					
						V=1554 ϕ=64.2 ρ=1.62	%$CaCO_3$=88.2	4					
						ϕ=66.6 ρ=1.56	%$CaCO_3$=91.3	3					
						V=1540 ϕ=67.0 ρ=1.57	%$CaCO_3$=87.0	2					
								1	0.5				
									1.0				
								7					
								CC					

LITHOLOGIC DESCRIPTION

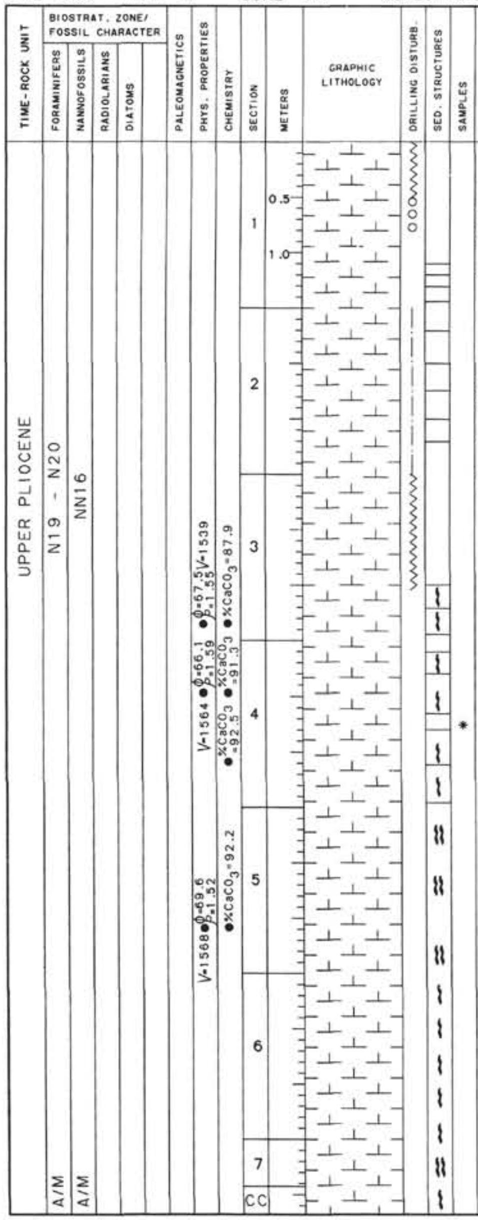
NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core consists of white (7.5YR 8/0 and 2.5Y 8/0 below Section 4) NANNOFOSSIL OOZE with FORAMINIFERS. Moderate to heavy bioturbation is indicated by light gray (5Y 7/1 and 5Y 7/2) mottles and pyritized burrow fills. Diffuse, light gray/gray (7.5YR 5/2 and 7.5YR 6/0) and light greenish gray (5GY 7/1) color bands are common in Sections 2 through 7.

SMEAR SLIDE SUMMARY (%):

	3, 80 D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Accessory minerals	Tr
Diatoms	Tr
Foraminifers	10
Nannofossils	87
Radiolarians	2
Silicoflagellates	Tr
Spicules	1

SITE 805 HOLE B CORE 7H CORED INTERVAL 54.2-63.7 mbsf



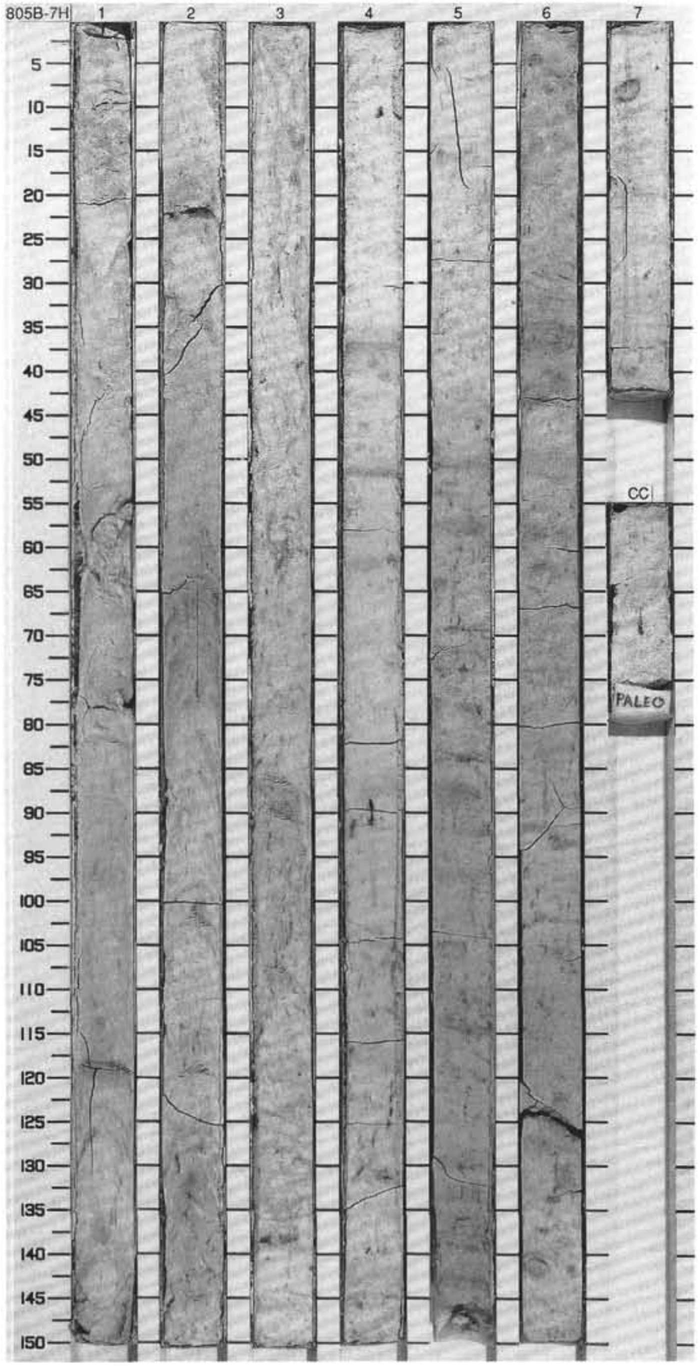
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is predominantly white (2.5Y 8/0) but exhibits extensive color banding in shades of reddish gray (5R 6/1), pale yellowish green (10GY 7/2), and light gray (2.5Y 7/2). The bands are 5 to 15 mm thick and are spaced at intervals of 1 to 3 cm. The sediment is bioturbated, as indicated by mottling and pyritic burrow fills.

SMEAR SLIDE SUMMARY (%):

	4, 75
	D
TEXTURE:	
Sand	5
Silt	55
Clay	40
COMPOSITION:	
Foraminifers	8
Nannofossils	92



SITE 805 HOLE B CORE 8H CORED INTERVAL 63.7-73.2 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
UPPER PLIOCENE	A/M	A/M				V=1536 ρ=66.1 P=1.58	●%$CaCO_3$=90.6	6					
	N19 - N20	NN16				V=1543 ρ=66.5 P=1.59	●%$CaCO_3$=90.5	5					
						V=1539 ρ=65.4 P=1.59	●%$CaCO_3$=90.2	4					
						V=1539 ρ=66.5 P=1.59	●%$CaCO_3$=90.3	3					*
						V=1539 ρ=65.9 P=1.58	●%$CaCO_3$=92.0	2					
								1	0.5 / 1.0				
								CC					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: This core contains homogeneous, white (2.5YR 8/0) NANNOFOSSIL OOZE. The sediment is moderately to heavily bioturbated as seen in abundant light gray (2.5YR 7/2) mottles and burrow fills as well as pyritized burrow fills. Some pyritized burrows are surrounded by reddish gray (5R 6/1) halos. Centimeter thick, pale yellowish green (10GY 7/2) and reddish gray (5R 6/1) color bands are observed in all sections.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	5
Silt	60
Clay	35
COMPOSITION:	
Accessory minerals	1
Foraminifers	7
Nannofossils	90
Siliceous fragments	2

SITE 805 HOLE B CORE 9H CORED INTERVAL 73.2-82.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER PLIOCENE	A/M	A/M						1	0.5	VOID		≈	
	N18 - N19	NN15 - NN14							1.0			≈	
								2				≈	
								3				≈	
								4				≈	*
								5				≈	
								6				≈	
								7				≈	
								CC				≈	

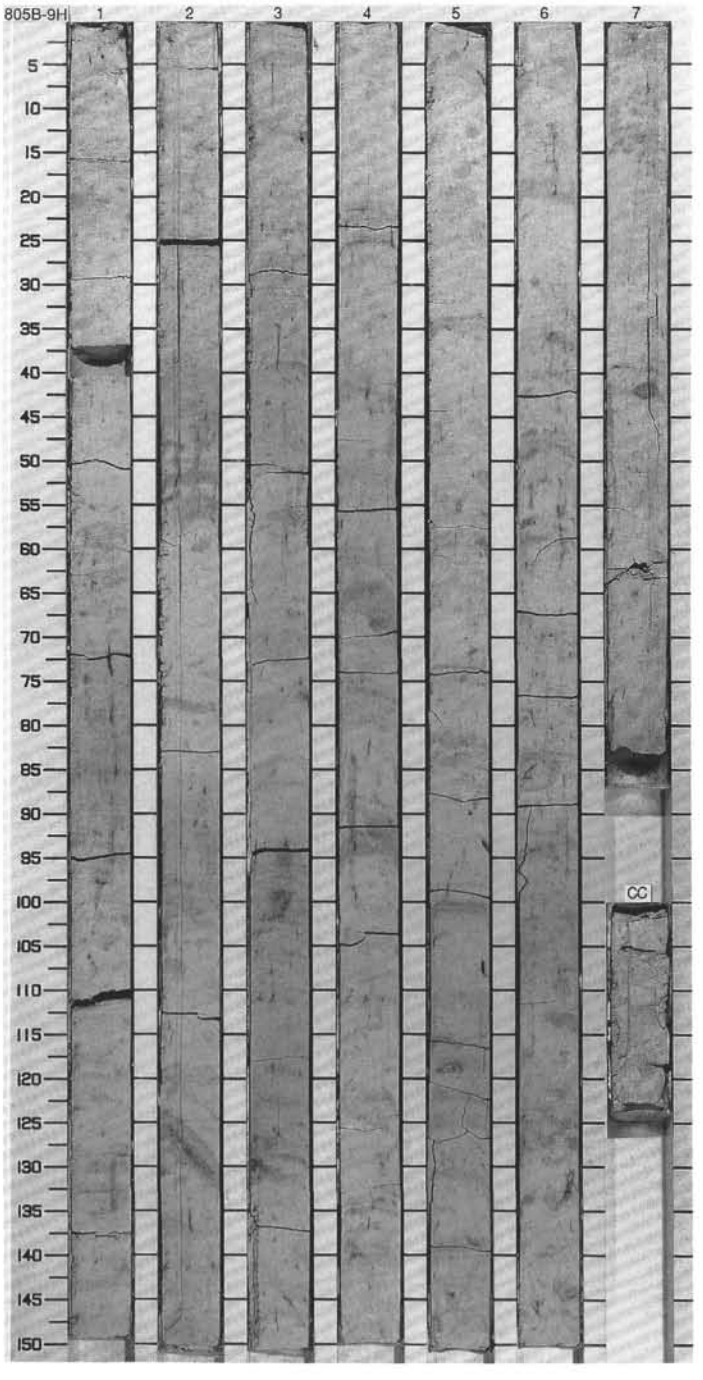
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

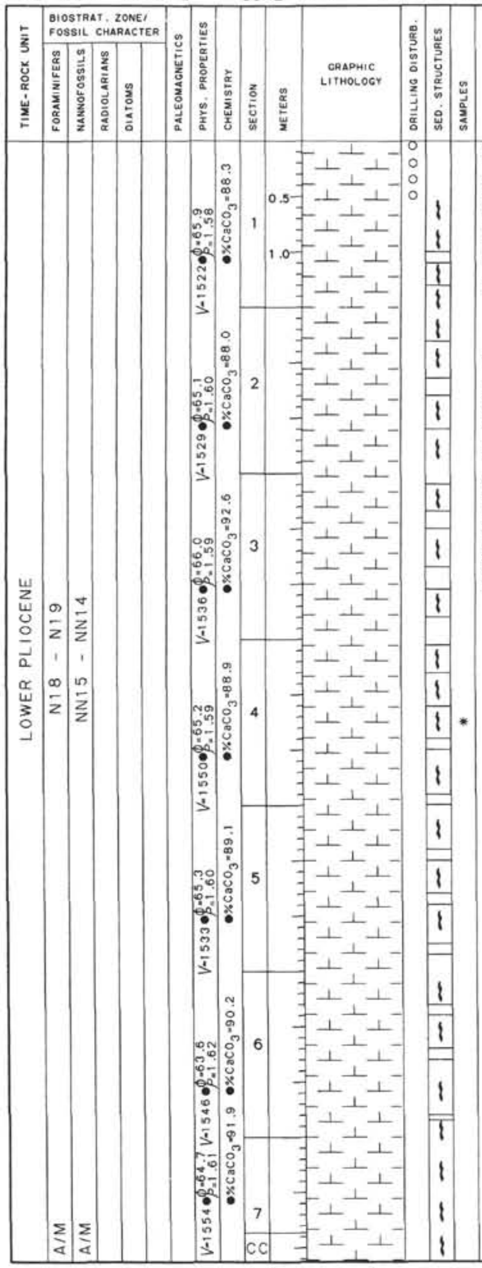
Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is predominantly white (2.5Y 8/0) but exhibits extensive color banding in shades of reddish gray (5R 6/1) and pale yellowish green (10GY 7/2). The bands are 0.5 to 1.5 cm thick, and occur either as individual bands or as packages 3 to 5 cm thick. Large, light gray (2.5Y 7/2) mottles, pyritized burrow fills, and trace fossils with reddish gray halos are indicative of heavy bioturbation. The halos are as much as 3 cm in diameter.

SMEAR SLIDE SUMMARY (%):

	4, 74 D
TEXTURE:	
Sand	7
Silt	60
Clay	33
COMPOSITION:	
Accessory minerals	1
Foraminifers	15
Nannofossils	83
Siliceous fragments	1



SITE 805 HOLE B CORE 10H CORED INTERVAL 82.7-92.2 mbsf



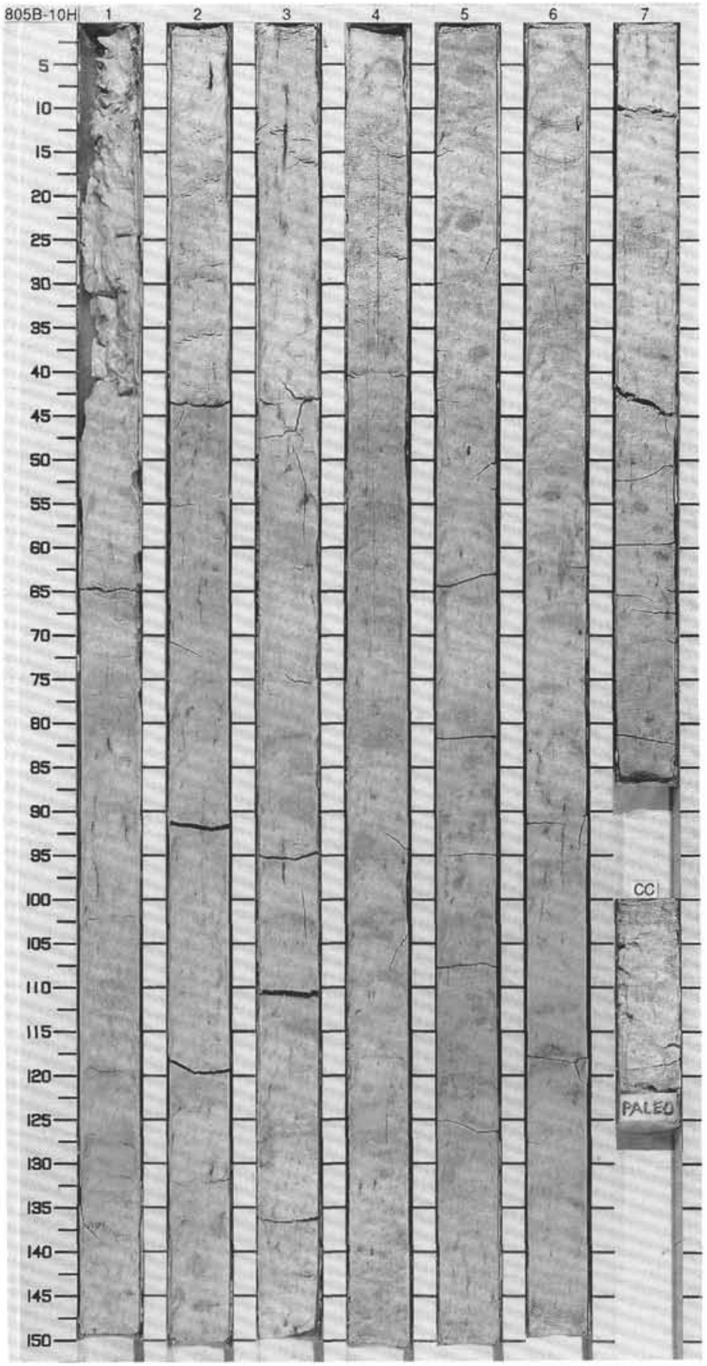
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is predominantly white (2.5Y 8/0) but exhibits extensive color banding in shades of reddish gray (5R 6/1) and pale yellowish green (10GY 7/2). The bands are 0.5 to 1.5 cm thick and spaced up to 10 cm apart. Large, light gray (2.5Y 7/2) mottles, pyritized burrow fills, and trace fossils with reddish gray halos indicate severe bioturbation. The halos are up to 3 cm in diameter.

SMEAR SLIDE SUMMARY (%):

	4, 75
	D
TEXTURE:	
Sand	3
Silt	55
Clay	42
COMPOSITION:	
Accessory minerals	2
Diatoms	3
Foraminifers	15
Nannofossils	70
Radiolarians	3
Siliceous fragments	3
Siliceous sponge spicules	2
Silicoflagellates	2



SITE 805 HOLE B CORE 11H CORED INTERVAL 92.2-101.7 mbsf

TIME-ROCK UNIT: LOWER PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: A/M — N18 - N19
- NANNOFOSSILS: A/P — NN15 - NN12
- RADIOLARIANS
- DIATOMS

PALEOMAGNETICS

PHYS. PROPERTIES

CHEMISTRY

SECTION

METERS

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 predominantly white (2.5Y 8/0) but exhibits frequent color banding in shades of reddish gray (5R 6/1) and pale yellowish green (10GY 7/2). The bands are 0.5 to 1.5 cm thick and spaced up to 10 cm apart. Large, light gray (2.5Y 7/2) mottles, pyritized burrow fills, and trace fossils with reddish gray halos indicate severe bioturbation. The halos are up to 3 cm in diameter.

SMEAR SLIDE SUMMARY (%):

	3, 50
	D
TEXTURE:	
Sand	10
Silt	50
Clay	40
COMPOSITION:	
Diatoms	Tr
Foraminifers	20
Nannofossils	80
Radiolarians	Tr
Siliceous sponge spicules	Tr

SITE 805 HOLE B CORE 12H CORED INTERVAL 101.7-111.2 mbsf

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core consists of homogeneous, white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is moderately to heavily bioturbated as indicated by mottles and large (cm scale) burrows and pyritized burrow fills. Abundant, faint, cm thick, pale yellowish green (10GY 7/2) and reddish gray (5R 6/1) color bands are noted. In Sections 2, 3, and 6, a few color bands are offset by micro-faulting.

SMEAR SLIDE SUMMARY (%):

	2, 75
	D
TEXTURE:	
Sand	15
Silt	45
Clay	40
COMPOSITION:	
Diatoms	Tr
Foraminifers	20
Nannofossils	78
Radiolarians	2

SITE 805 HOLE B CORE 13H CORED INTERVAL 111.2-120.7 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER PLIOCENE	N18	NN12				V=1546 ● Φ=63.4 ρ=1.64	● %$CaCO_3$=90.5	1	0.5, 1.0				
						V=1568 ● Φ=64.4 ρ=1.61	● %$CaCO_3$=91.4	2					*
						V=1568 ● Φ=63.3 ρ=1.63	● %$CaCO_3$=92.5	3					
						V=89.8 ● Φ=62.5 ρ=1.64	● %$CaCO_3$=89.8	4					
						V=1568 ● Φ=62.2 ρ=1.65	● %$CaCO_3$=91.4	5					
						V=1547 ● Φ=63.8 ρ=1.62	● %$CaCO_3$=89.8	6					
								7					
	A/M	A/P						CC					

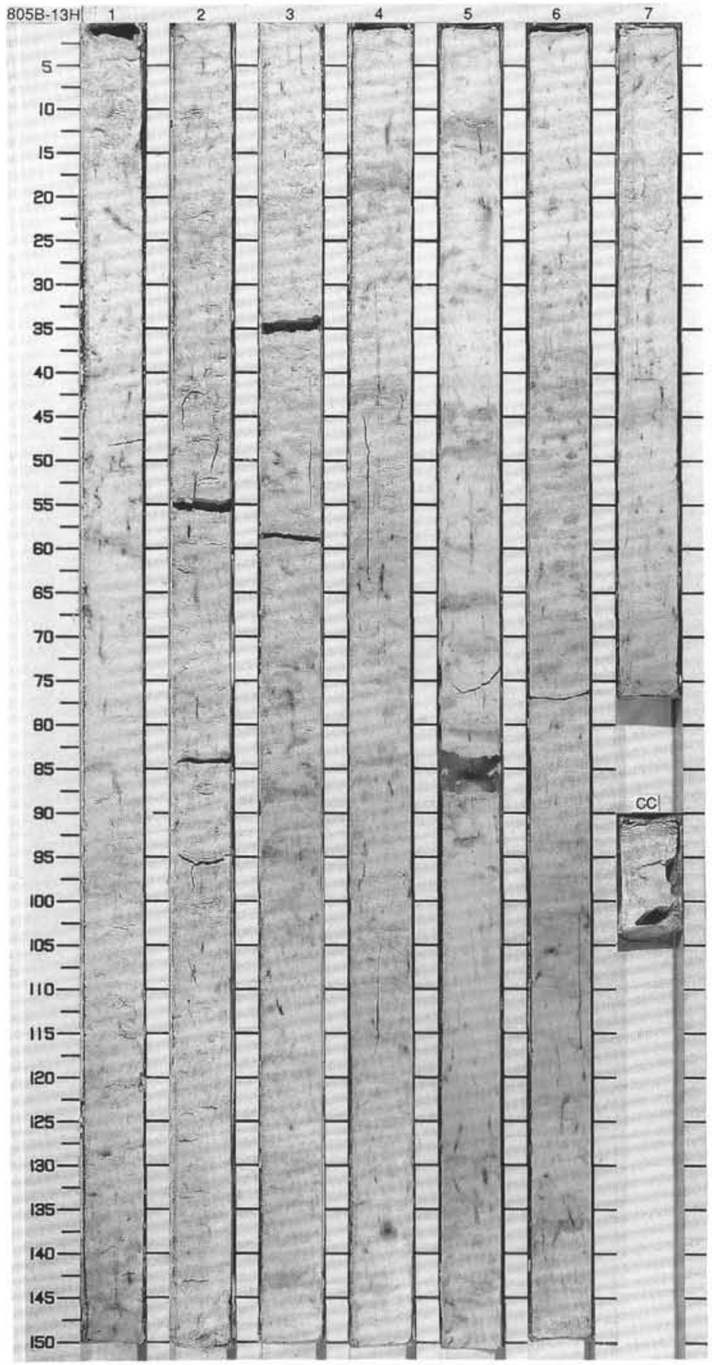
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is heavily bioturbated as indicated by mottles, large (cm-scale) burrows and pyritized burrow fills. Abundant, faint, cm-thick, pale green (10G 6/2), pale purple (5P 6/2) and light gray (2.5Y 7/2) color bands are present throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 89
	D
TEXTURE:	
Sand	15
Silt	85
COMPOSITION:	
Foraminifers	10
Nannofossils	87
Radiolarians	3



SITE 805 HOLE B CORE 14H CORED INTERVAL 120.7-130.2 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	N17b	NN11				V-1550 ● ϕ=60.5, ρ=1.68	● %$CaCO_3$=90.4	1	0.5, 1.0				
						V-1546 ● ϕ=60.7, ρ=1.68	● %$CaCO_3$=91.8	2					*
						V-1550 ● ϕ=61.3, ρ=1.66	● %$CaCO_3$=89.5	3					
						V-1561 ● ϕ=62.8, ρ=1.64	● %$CaCO_3$=91.3	4					
						V-1543 ● ϕ=65.0, ρ=1.61	● %$CaCO_3$=86.6	5					
						V-1553 ● ϕ=65.0, ρ=1.61	● %$CaCO_3$=89.9 ● %$CaCO_3$=93.3	6					
						V-1550 ● ϕ=61.5, ρ=1.66		7					
	C/M	A/P						CC					

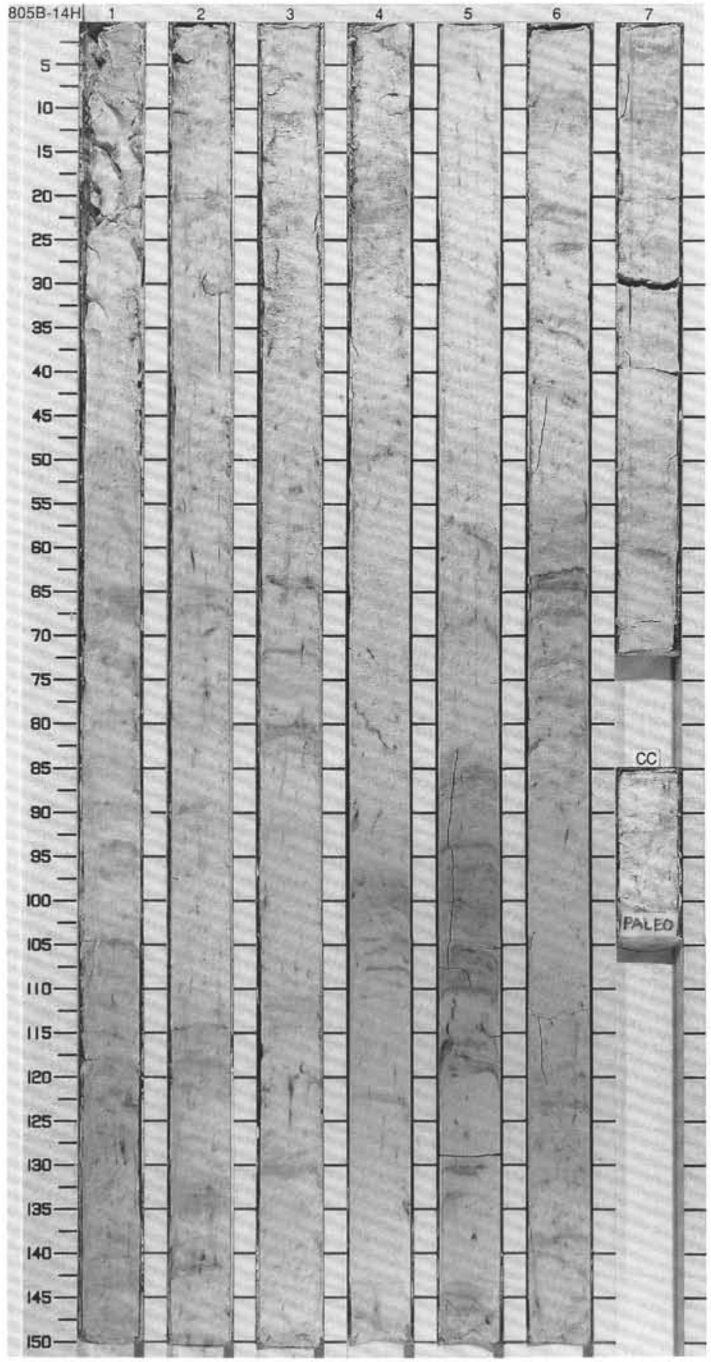
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is heavily bioturbated as indicated by mottles and large (cm-scale) burrows with mm-size, pyritic linings. Diffuse to sharp, pale green (10G 6/2), pale purple (5P 6/2), pale blue (5PB 7/2), grayish blue (5PB 5/2), light gray (2.5Y 7/2), and light greenish gray (5G 7/1) color bands and mottles are abundant throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 99 D
TEXTURE:	
Sand	15
Silt	85
COMPOSITION:	
Foraminifers	13
Nannofossils	85
Radiolarians	2



SITE 805 HOLE B CORE 15H CORED INTERVAL 130.2-139.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	C/M N17b	A/P NN11			V=1561 ρ=1.68 ϕ=60.5 V=1539 ρ=1.65 ϕ=61.4 V=1550 ρ=1.67 ϕ=61.2 V=1543 ρ=1.64 ϕ=62.9 V=1543 ρ=1.63 ϕ=62.4 V=1543 ρ=1.67 ϕ=60.7		%CaCO3=93.8 %CaCO3=92.4 %CaCO3=92.2 %CaCO3=91.0 %CaCO3=92.3 %CaCO3=93.7	1 2 3 4 5 6 7 CC	0.5 1.0		O O	*	

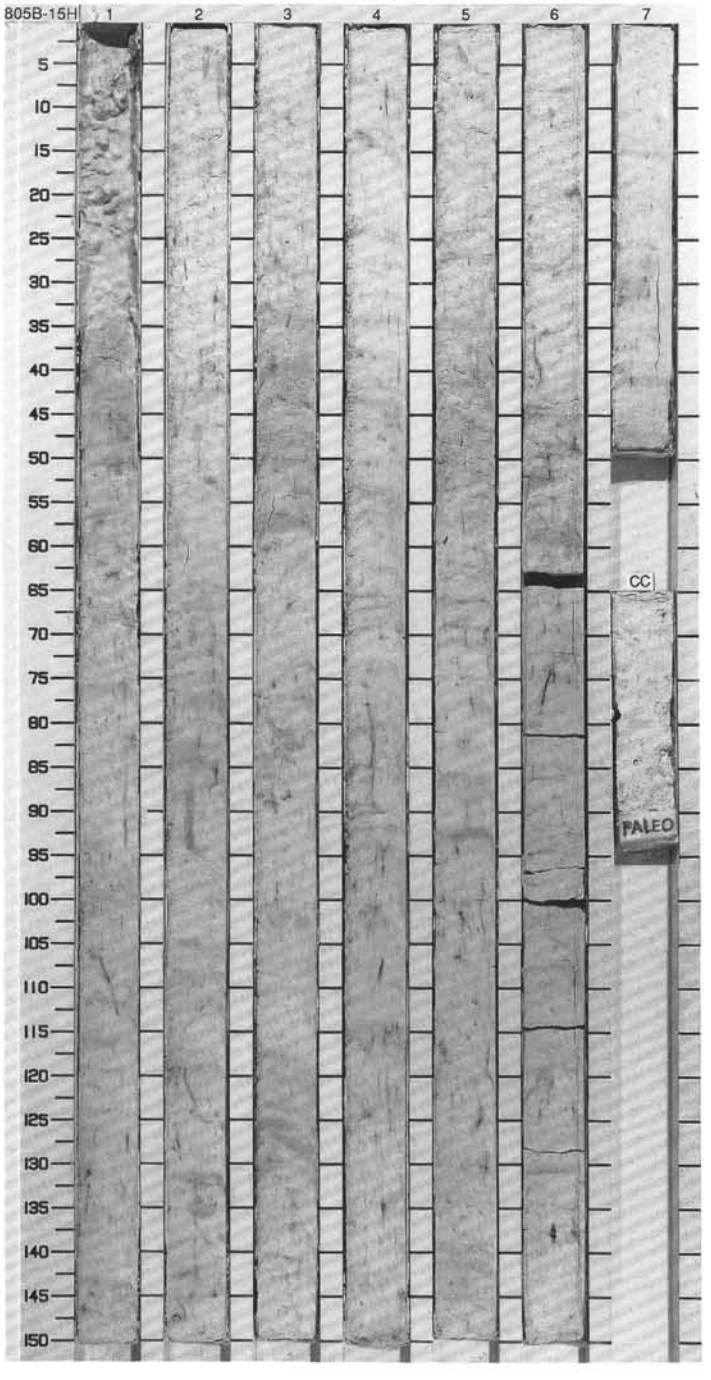
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is heavily bioturbated with abundant cm scale horizontal light gray (5Y 7/1) burrows and common cm scale vertical burrows. Diffuse pale green (10G 6/2), pale purple (5P 6/2), pale blue (5PB 7/2), grayish blue (5PB 5/2), light gray (2.5Y 7/2), and light greenish gray (5G 7/1) color bands and mottles are present throughout the core.

SMEAR SLIDE SUMMARY (%):

	4, 70 D
TEXTURE:	
Sand	8
Silt	88
Clay	4
COMPOSITION:	
Diatoms	1
Foraminifers	10
Nannofossils	88
Radiolarians	Tr
Siliceous sponge spicules	1



SITE 805 HOLE B CORE 16H CORED INTERVAL 139.7-149.2 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
UPPER MIOCENE	A/M	A/M						1	0.5				
	N17b	NN11							1.0				
								2					
								3					
								4					*
								5					
								6					
								7					
								CC					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is moderately to heavily bioturbated with abundant cm scale, horizontal, light gray (5Y 7/1) and pale blue (5PB 7/2) burrow mottles. Millimeter scale, pyritic burrow fills are common. Faint, pale blue (5PB 7/2), pale purple (5P 6/2), and light greenish gray (5G 7/1) color bands are common; microfaulted color bands are present at Section 3, 102 cm; Section 5, 90 cm; Section 6, 87 cm; and Section 7, 20 and 80 cm.

SMEAR SLIDE SUMMARY (%):

	4, 75 D
TEXTURE:	
Sand	10
Silt	55
Clay	35
COMPOSITION:	
Foraminifers	12
Nannofossils	88
Siliceous sponge spicules	Tr

SITE 805 HOLE B CORE 17H CORED INTERVAL 149.2-158.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	A/M N17a	A/P NN11						1 2 3 4 5 6 7 CC	0.5 1.0				*

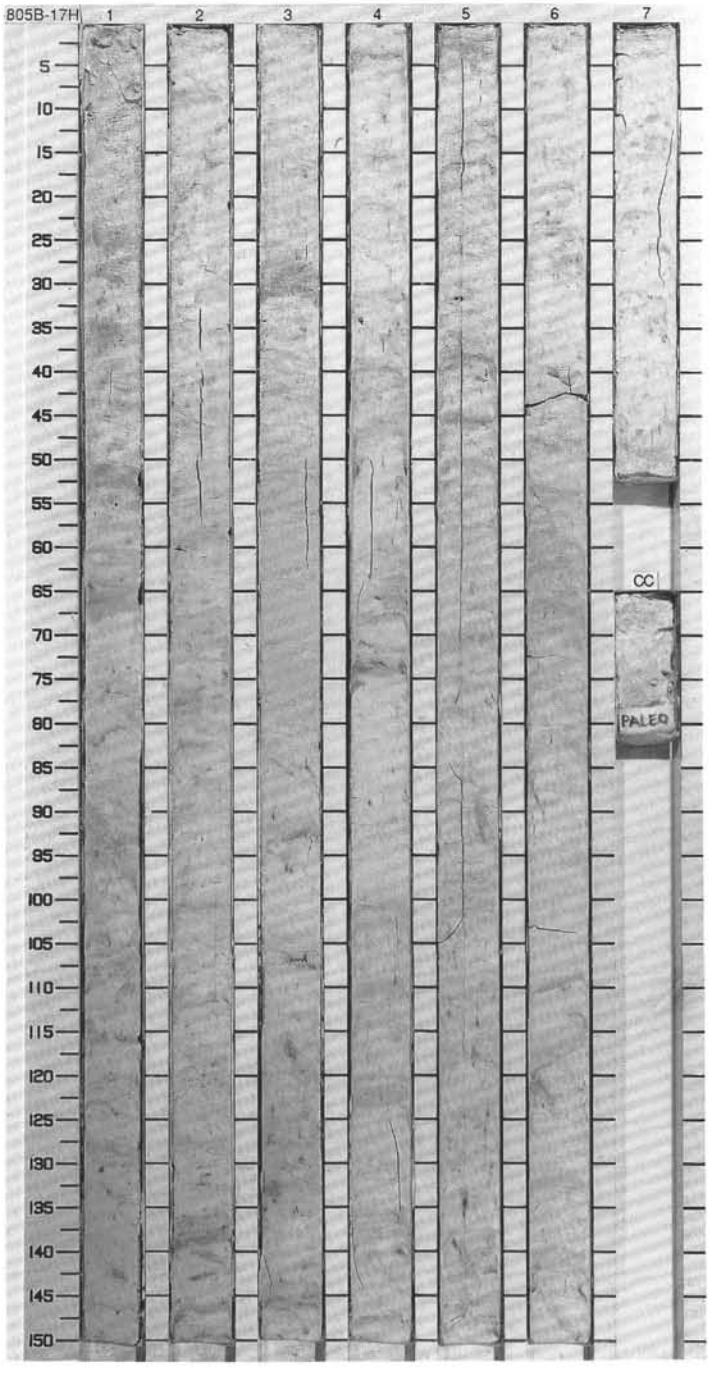
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is moderately to heavily bioturbated throughout with abundant cm scale, horizontal, light gray (5Y 7/1), pale purple (5P 6/2) and pale blue (5PB 7/2) burrow mottles. Millimeter scale, pyritic burrow fills are common. Faint pale blue (5PB 7/2), pale purple (5P 6/2), and light greenish gray (5G 7/1) color bands are common.

SMEAR SLIDE SUMMARY (%):

	3, 80 D
TEXTURE:	
Sand	10
Silt	85
Clay	5
COMPOSITION:	
Foraminifers	10
Nannofossils	90



SITE 805 HOLE B CORE 18H CORED INTERVAL 158.7-168.2 mbsf

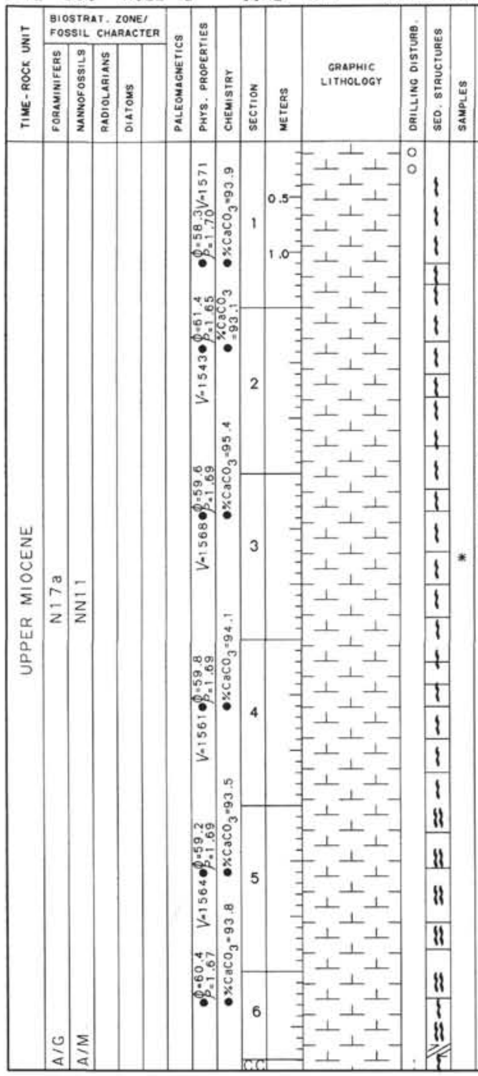
NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0), moderately to heavily bioturbated NANNOFOSSIL OOZE with FORAMINIFERS. Mottling and diffuse, light gray (5Y 7/1, 2.5Y 7/2), pale blue (5PB 7/2), and pale purple (5P 6/2) color bands are common throughout the core. Microfaulted color bands were observed at Section 2, 145 cm; Section 3, 74 and 90 cm; and Section 5, 70-85 cm.

SMEAR SLIDE SUMMARY (%):

	2, 70 D
TEXTURE:	
Sand	10
Silt	86
Clay	4
COMPOSITION:	
Foraminifers	12
Nannofossils	85
Radiolarians	1
Siliceous sponge spicules	2

SITE 805 HOLE B CORE 19H CORED INTERVAL 168.2-177.7 mbsf



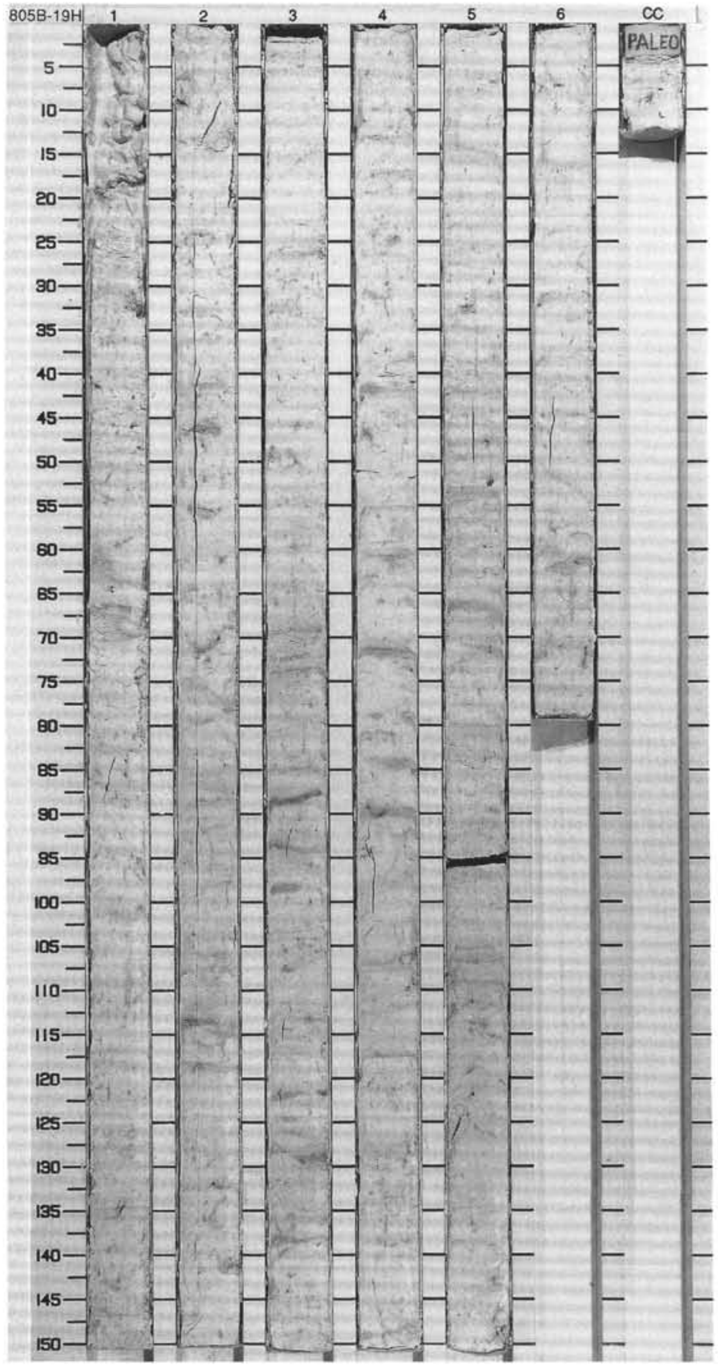
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0 and 5Y 8/0), moderately to heavily bioturbated NANNOFOSSIL OOZE. Mottling, pyritized burrows and diffuse, light gray (5Y 7/1, 2.5Y 7/2)), pale blue (5PB 7/2), and pale purple (5P 6/2) color bands are common throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 77
	D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Foraminifers	7
Nannofossils	90
Pyrite	1
Radiolarians	2
Siliceous sponge spicules	Tr



SITE 805 HOLE B CORE 20H CORED INTERVAL 177.7-187.2 mbsf

TIME-ROCK UNIT: UPPER MIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER
- FORAMINIFERS: A/P
- NANNOFOSSILS: N17a / A/M
- RADIOLARIANS: NN11
- DIATOMS: C-A/M-G

PALEOMAGNETICS

PHYS. PROPERTIES

CHEMISTRY

SECTION

METERS

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

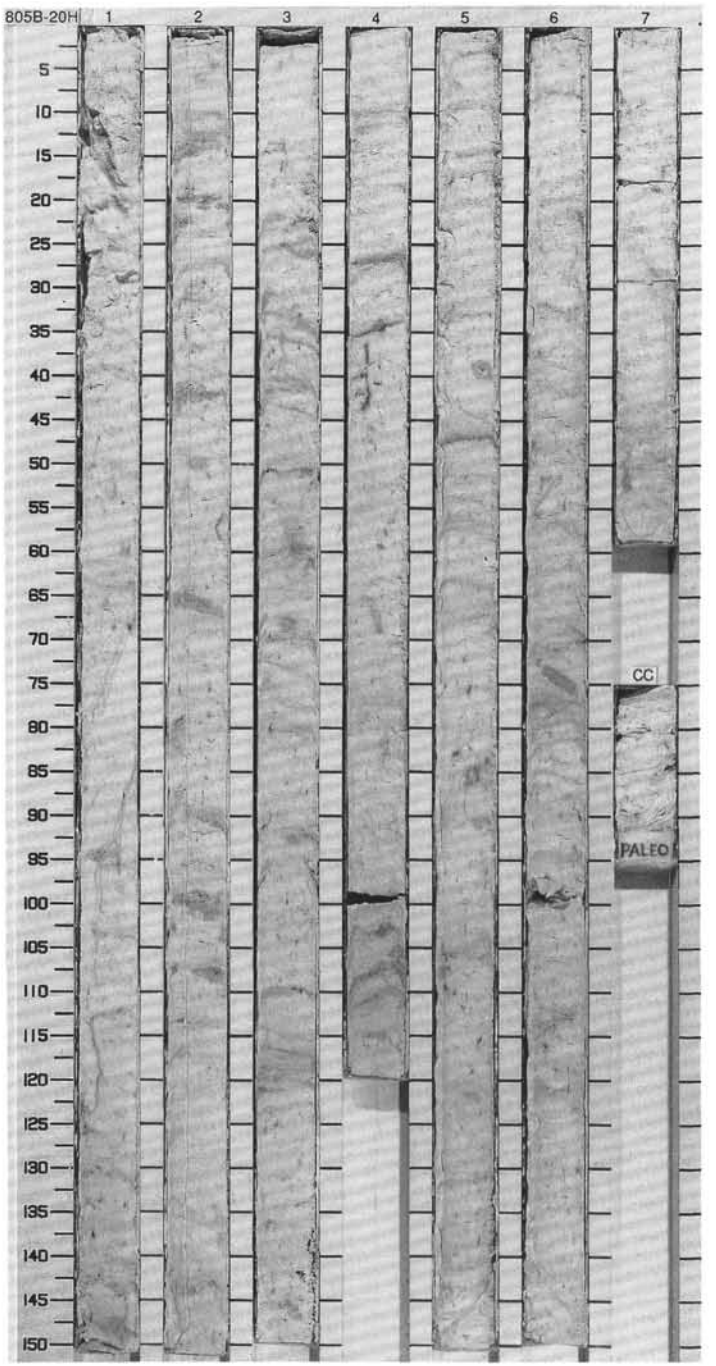
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

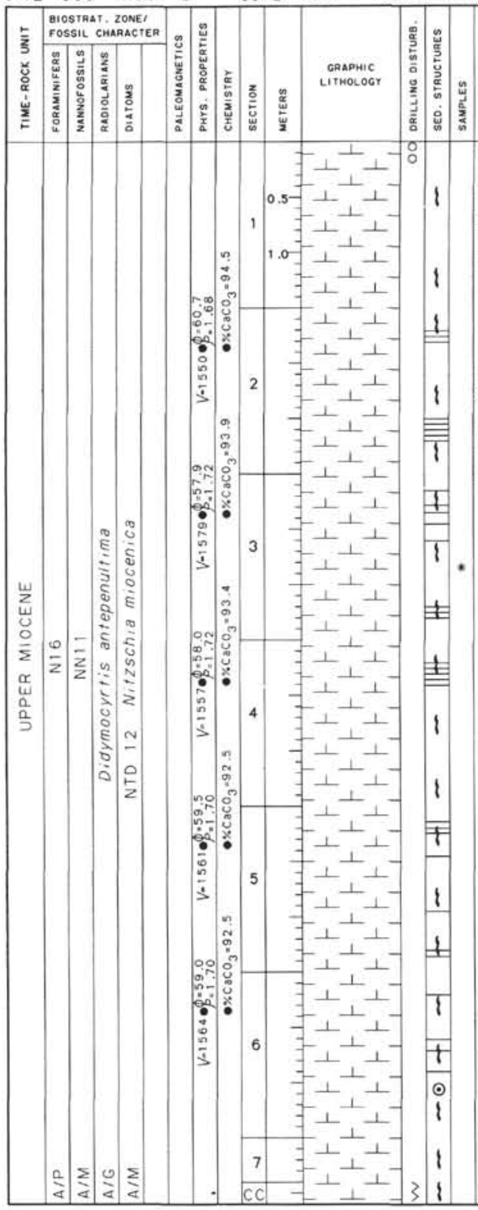
Major lithology: This core contains white (2.5Y 8/0), moderately to heavily bioturbated NANNOFOSSIL OOZE. Mottling, pyritized burrows and diffuse light gray (5Y 7/1, 2.5Y 7/2, 5Y 7/1)), pale blue (5PB 7/2), and pale purple (5P 6/2) color bands are common throughout the core. Some color bands in Section 1 are vertical and cross burrows and other horizontal structures.

SMEAR SLIDE SUMMARY (%):

	4, 68 D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Diatoms	Tr
Foraminifers	7
Nannofossils	89
Radiolarians	3
Siliceous sponge spicules	1
Silicoflagellates	Tr



SITE 805 HOLE B CORE 21H CORED INTERVAL 187.2-196.7 mbsf



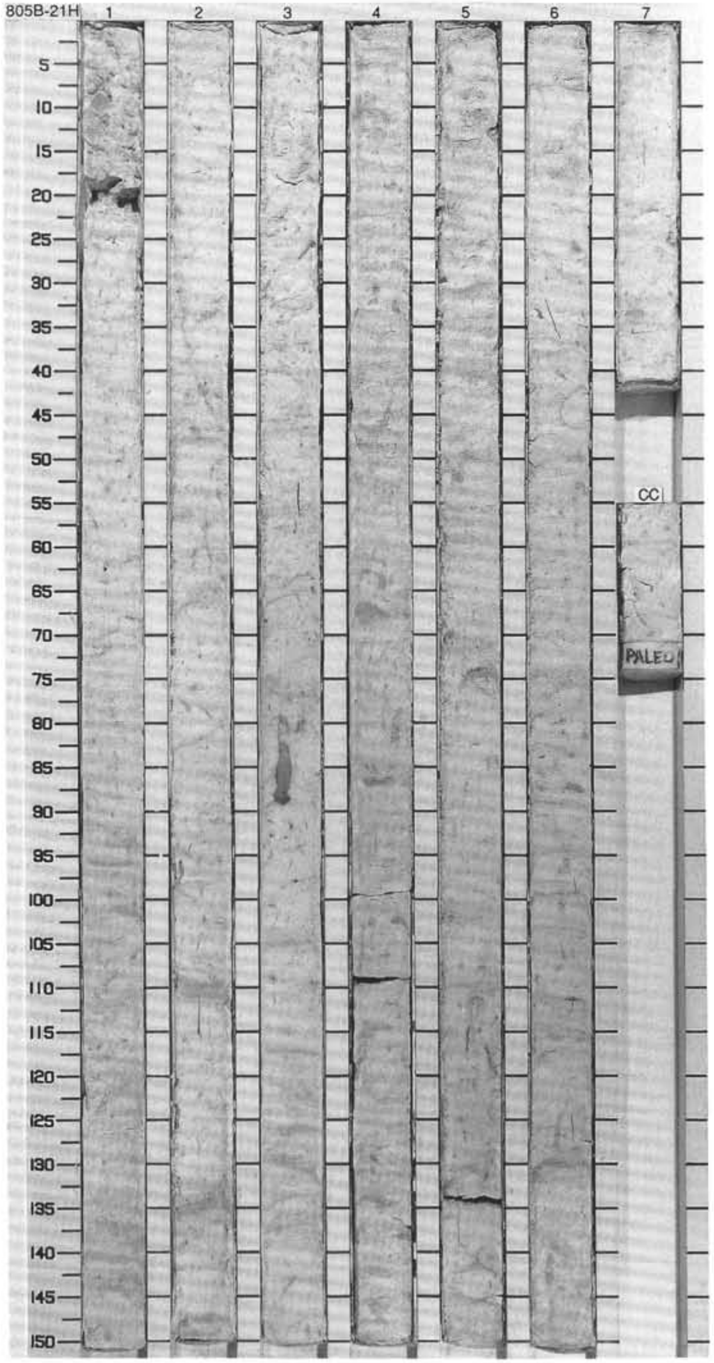
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0), moderately to heavily bioturbated NANNOFOSSIL OOZE. Mottling, pyritized burrows, and faint diffuse light gray (5Y 7/1), pale purple (5P 6/2) and grayish blue (5PB 5/2) color bands are common throughout the core. The pale purple (5P 6/2) color bands generally are horizontal, but a few are inclined.

SMEAR SLIDE SUMMARY (%):

	3, 83 D
TEXTURE:	
Sand	4
Silt	92
Clay	4
COMPOSITION:	
Foraminifers	5
Nannofossils	94
Radiolarians	1



SITE 805 HOLE B CORE 22H CORED INTERVAL 196.7-206.2 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
UPPER MIOCENE	A/G	N16	A/M	NN11	*Didymocyrtis antepenultima*	A/G	NTD 11 / NTD 12 (*Nitzschia porteri*)	C-A/M							

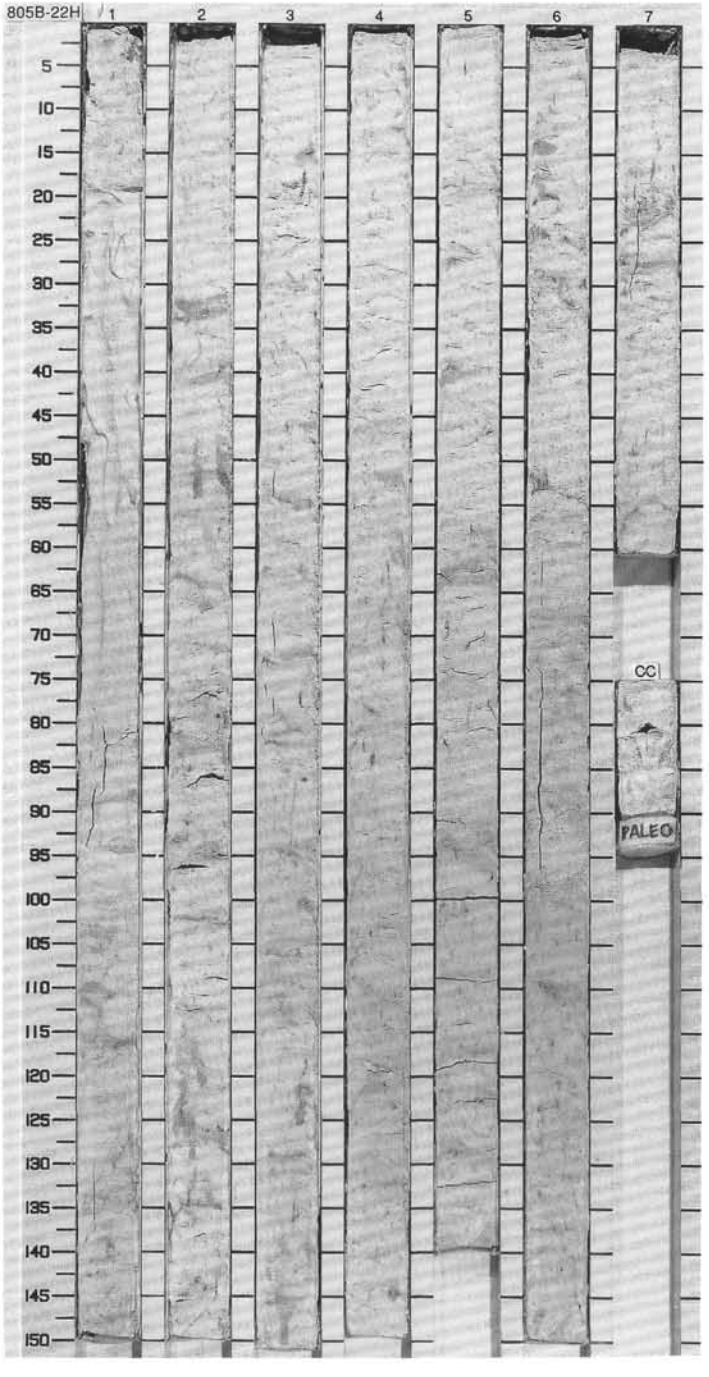
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE. The sediment is slightly to moderately bioturbated throughout, predominantly indicated by mm scale pyritized burrows. Diffuse, light gray (5Y 7/1) and pale purple (5P 6/2) color bands are present, but their abundance decreases downcore.

SMEAR SLIDE SUMMARY (%):

	4, 83 D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Foraminifers	4
Glass	1
Nannofossils	90
Radiolarians	4
Spicules	1



SITE 805 HOLE B CORE 23H CORED INTERVAL 206.2-215.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	A/G N16	A/P NN11	A/G *Didymocyrtis antepenultima*	A/G NTD 11 (*Nitzschia porteri*)	V-1568	ρ=59.2 p=1.68 V-1536 ρ=60.6 p=1.67 V-1564 ρ=59.9 p=1.69 ρ=61.9 p=1.66 V-1586 ρ=62.2 p=1.65 V-1593 ρ=69.4 p=1.61 V-1568 ρ=61.9 p=1.65	%CaCO3=92.8 %CaCO3=91.2 %CaCO3=93.0 %CaCO3=90.4 %CaCO3=92.9 %CaCO3=91.5 %CaCO3=92.1	1 2 3 4 5 6 7 CC	0.5 1.0				OG TW

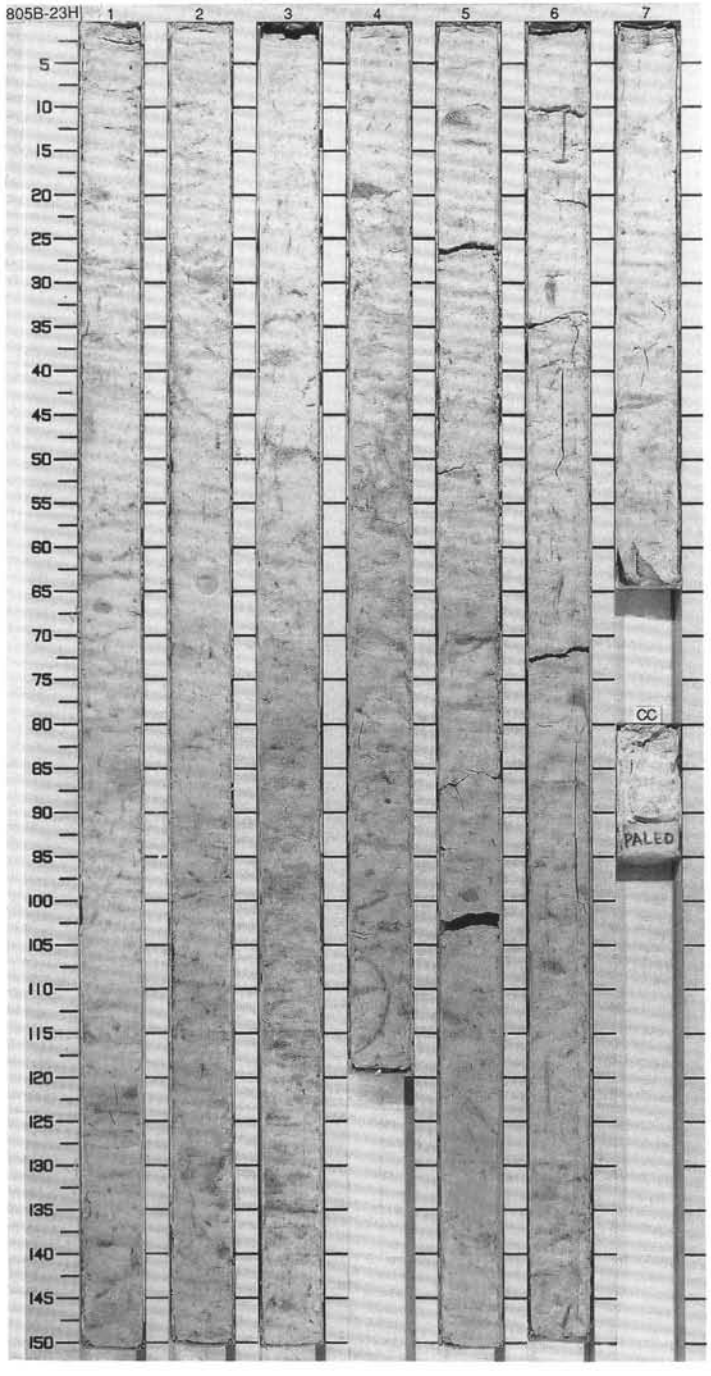
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is moderately to heavily bioturbated throughout, indicated by mm scale, pyritized burrows (with purple halos) and light gray (5Y 7/1) cm scale mottling. Diffuse light gray (5Y 7/1), pale purple (5P 6/2) and light greenish gray (5G 7/1) color bands are common. Occasional microfaults, shown by displacement in the color bands, are present.

SMEAR SLIDE SUMMARY (%):

	2, 49 D
TEXTURE:	
Sand	20
Silt	80
COMPOSITION:	
Foraminifers	12
Nannofossils	82
Radiolarians	6



SITE 805 HOLE B CORE 24H CORED INTERVAL 215.7-225.2 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
UPPER MIOCENE	A/G N16	A/P NN10	A/G *Didymocyrtis antepenultima*	A/G NTD 11 / NTD 10 (*Coscinodiscus yabei*)				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. The sediment is heavily bioturbated throughout, indicated by mm-scale, pyritized burrows (with purple halos) and cm scale, light gray (5Y 7/1) mottling. Diffuse, pale purple (5P 6/2), reddish gray (5R 6/1), and light greenish gray (5G 7/1) color bands are common.

SMEAR SLIDE SUMMARY (%):

	2, 75
	D
TEXTURE:	
Sand	15
Silt	40
Clay	45
COMPOSITION:	
Foraminifers	20
Nannofossils	80

SITE 805 HOLE B CORE 25H CORED INTERVAL 225.2-234.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	N16	NN10	*Didymocyrtis antepenultima*	NTD 10?		● Ø=59.5 ρ=1.69 V=4156 ● Ø=60.2 ρ=1.68 V=4158 ● Ø=62.2 ρ=1.64 V=4157 ● Ø=62.4 ρ=1.64 V=4156 ● Ø=62.9 ρ=1.63 V=4156 ● Ø=60.1 ρ=1.69	● %$CaCO_3$=94.9 ● %$CaCO_3$=97.0 ● %$CaCO_3$=92.5 ● %$CaCO_3$=91.4 ● %$CaCO_3$=86.2 ● %$CaCO_3$=90.9	1 2 3 4 5 6 7 CC	0.5 1.0				

A/G A/P A/M

LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0) FORAMINIFER NANNOFOSSIL OOZE. Frequent, diffuse, pale purple (5P 6/2), reddish gray (5R 6/1), and light greenish gray (5G 7/1) color bands are present. These color bands are on the order of 1 cm thick and are spaced approximately 5 to 10 cm apart. The sediments are heavily bioturbated, evident from abundant pyrite-filled burrows and light gray (5Y 7/1) mottles.

SMEAR SLIDE SUMMARY (%):

	2, 80 D
TEXTURE:	
Sand	10
Silt	50
Clay	40
COMPOSITION:	
Diatoms	Tr
Foraminifers	25
Nannofossils	70
Radiolarians	2
Siliceous fragments	3

SITE 805 HOLE B CORE 26H CORED INTERVAL 234.7-244.2 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
UPPER MIOCENE	A/G	N16	A/M	NN10	A/G	*Diartus pettersoni*	A/G	NTD 10 (*Coscinodiscus yabei*)							

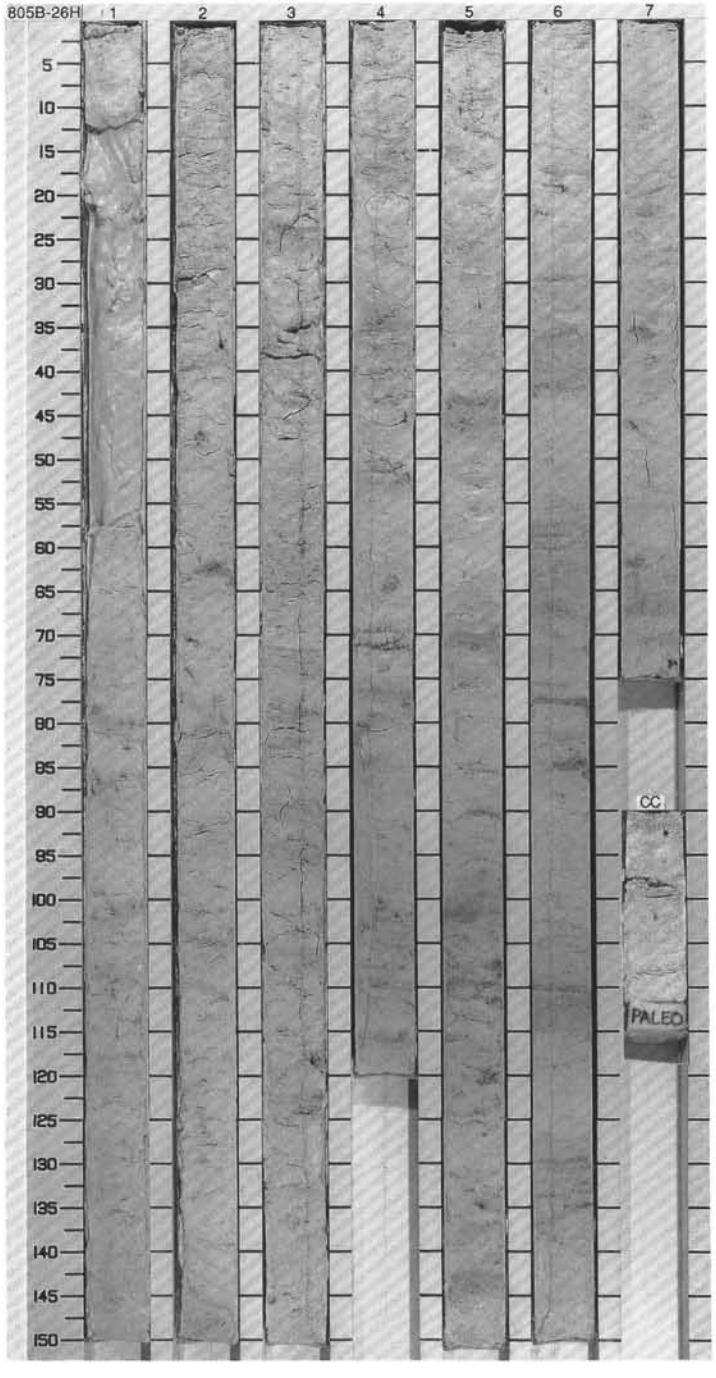
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE

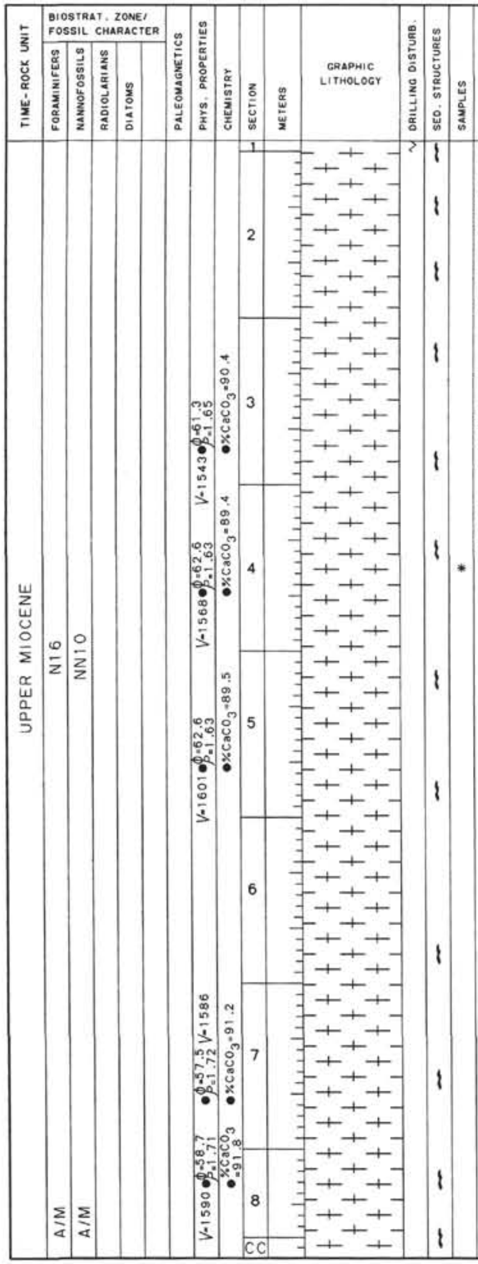
Major lithology: This core contains white (2.5Y 8/0) FORAMINIFER NANNOFOSSIL OOZE. Pervasive, subhorizontal, faint color bands and streaks of reddish gray (5R 6/1), light gray (2.5Y 7/2), and, to a lesser extent, pale yellowish green (10GY 7/2) occur throughout the core. Mottling, as well as pyrite specks and streaks, attest to extensive bioturbation. Color bands are 5 to 15 mm thick and are spaced at 1- to 10 cm intervals. Some cm thick zones exhibit significant induration.

SMEAR SLIDE SUMMARY (%):

	2, 74 D
TEXTURE:	
Sand	15
Silt	60
Clay	25
COMPOSITION:	
Accessory minerals	1
Diatoms	Tr
Foraminifers	26
Nannofossils	70
Radiolarians	Tr
Siliceous fragments	3



SITE 805 HOLE B CORE 27H CORED INTERVAL 244.2-253.7 mbsf



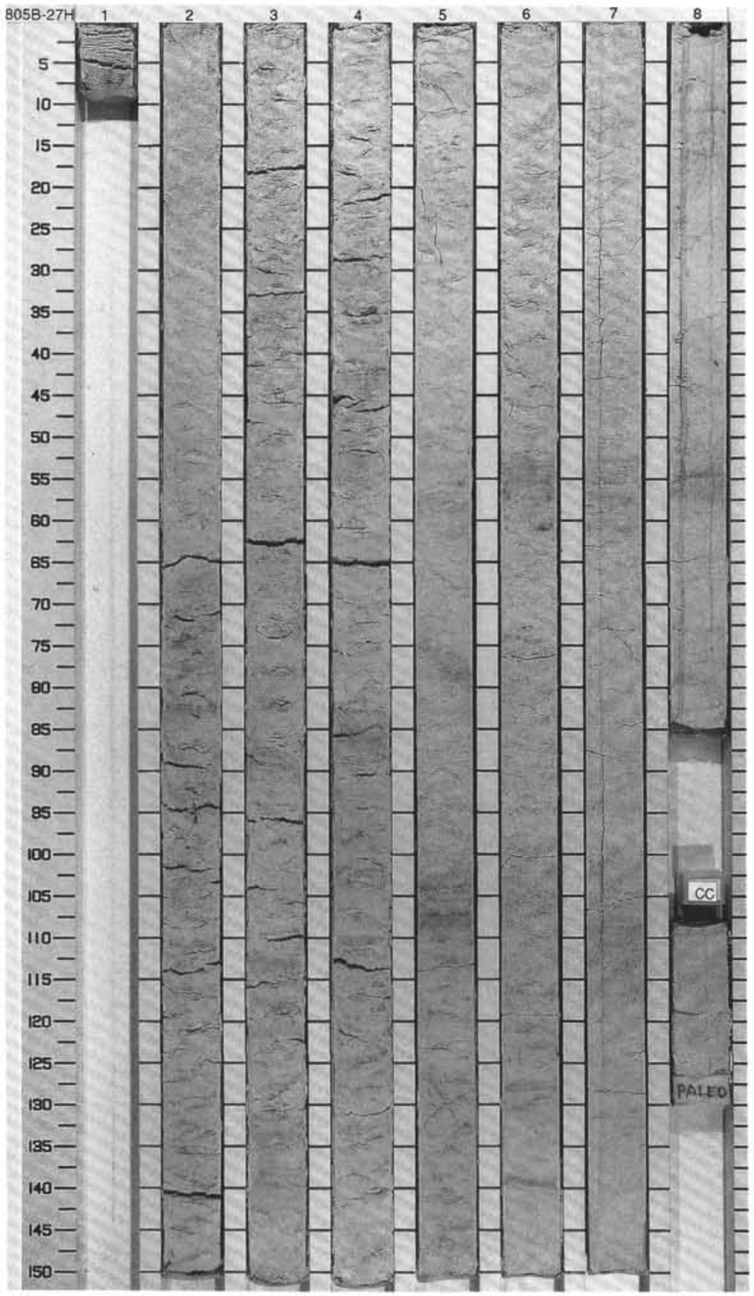
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0) FORAMINIFER NANNOFOSSIL OOZE. Sub-horizontal, faint color bands and streaks of reddish gray (5R 6/1), light gray (2.5Y 7/2), and pale yellowish green (10GY 7/2) are present throughout the core. Green bands are commonly adjacent to, but above, the reddish gray bands. Bands are 5 to 15 mm thick and are spaced at 1 to 10 cm intervals. The mottles and the pyrite specks and streaks are evidence of bioturbation. Some cm-thick zones in the upper 4 sections exhibit significant induration. Sections 5-8 are stiff to hard.

SMEAR SLIDE SUMMARY (%):

	4, 75
	D
TEXTURE:	
Sand	15
Silt	50
Clay	35
COMPOSITION:	
Foraminifers	25
Nannofossils	75
Radiolarians	Tr
Siliceous sponge spicules	Tr



SITE 805 HOLE B CORE 28H CORED INTERVAL 253.7-263.2 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	N14	A/P	?	A/G								
				Diartus pettersoni									
	C-A/M			top NTD 9 (*Actinocyclus moronensis*)									

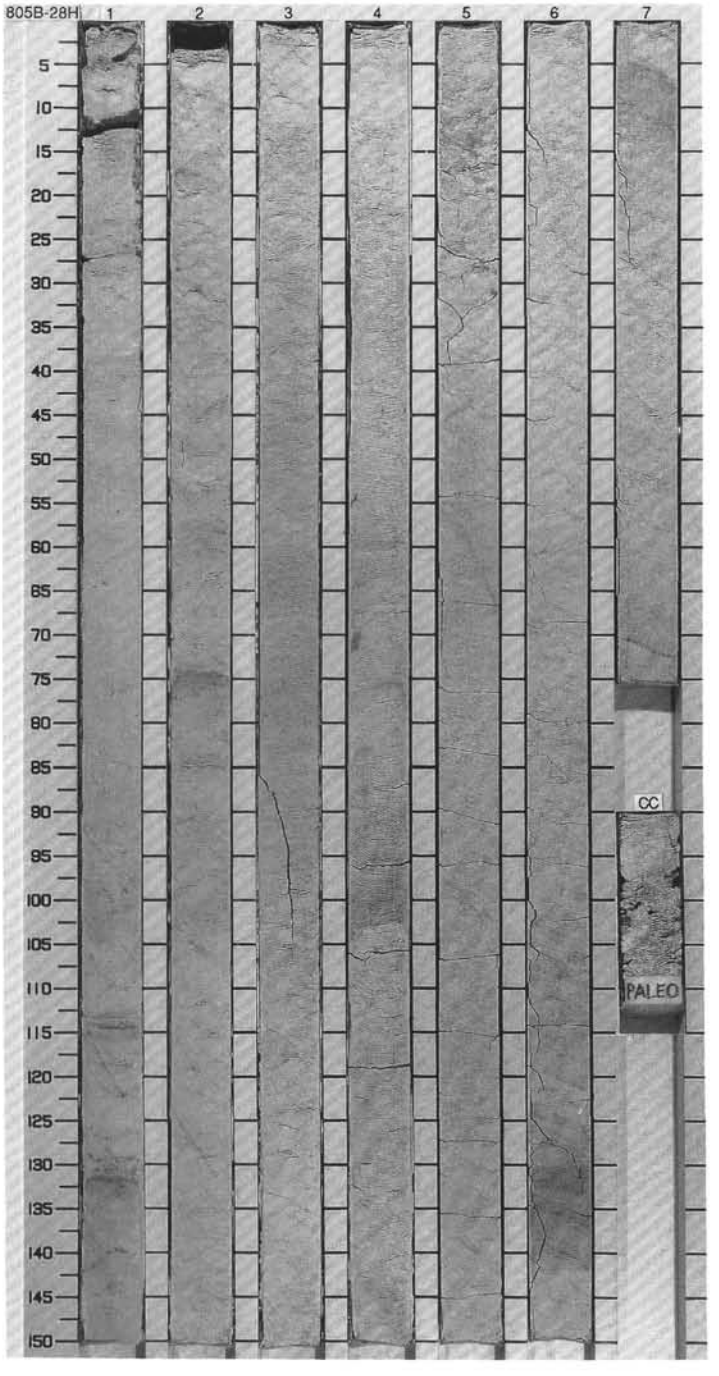
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Bioturbation is slight, as indicated by few mottles and pyrite specks. Few faint, cm-thick, reddish gray (5R 6/1) and pale yellowish green (10GY 7/2) color bands are observed. In Sections 5, 6 and 7, some color bands dip at shallow to steep angles. In Section 5 they dip in various directions. Three reddish gray (10GY 7/2) intervals (between 10 and 15 cm thick) are noted in Sections 4, 6 and 7, and have sharp color contacts at the bottom (Sections 4, 7) and the top (Section 7). The sediment is stiff, with cm scale intervals being significantly indurated.

SMEAR SLIDE SUMMARY (%):

	3, 75 D	6, 75 D
TEXTURE:		
Sand	5	15
Silt	55	50
Clay	40	35
COMPOSITION:		
Foraminifers	10	20
Nannofossils	90	80
Radiolarians	Tr	Tr
Siliceous sponge spicules	Tr	Tr



SITE 805 HOLE B CORE 29X CORED INTERVAL 263.2-272.9 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/P N14	A/M NN9		A/G NTD 9 (*Actinocyclus maronensis*)		V=1582 ● Φ=58.3 ρ=1.70; V=1571 ● Φ=57.7 ρ=1.73; V=1575 ● Φ=59.2 ρ=1.70; V=1575 ● Φ=59.2 ρ=1.70; V=1573 ● Φ=59.2 ρ=1.70; Φ=57.4 ρ=1.73 ●		1 2 3 4 5 6 CC	0.5 1.0				OG TW

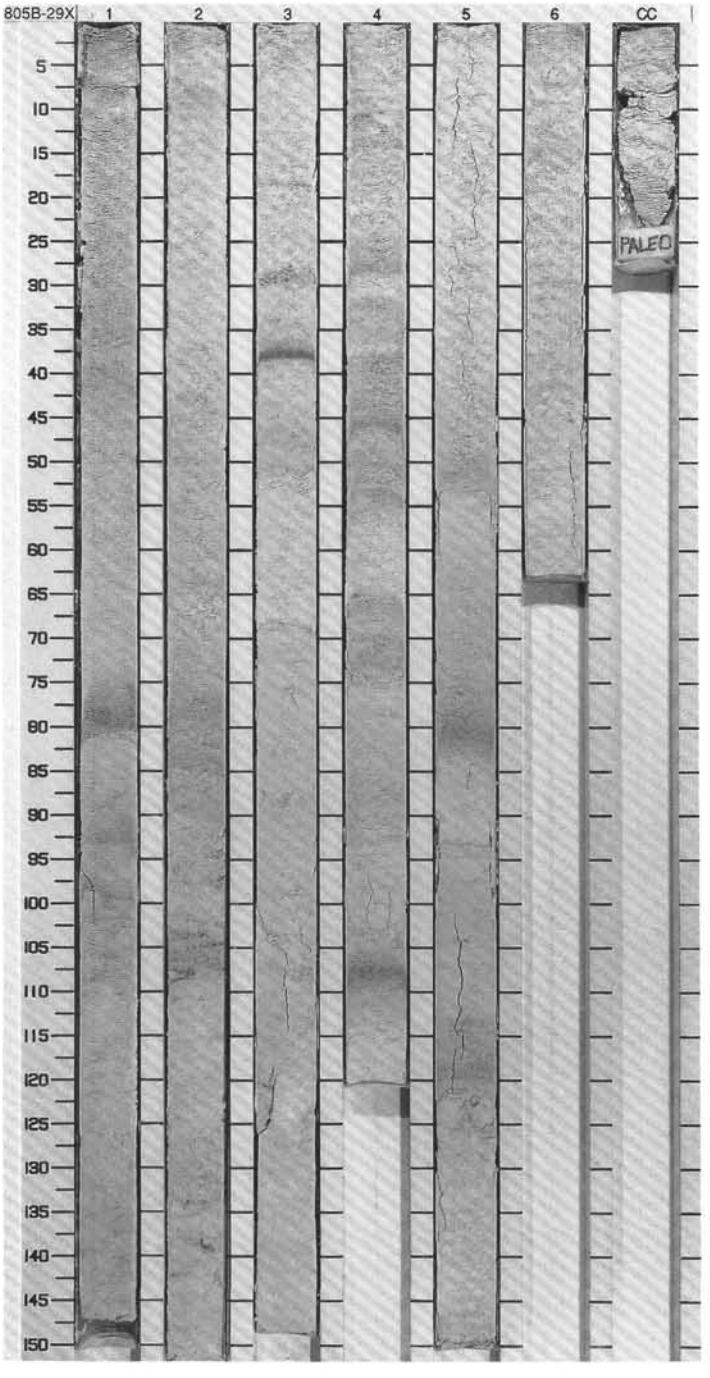
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0), slightly bioturbated FORAMINIFER NANNOFOSSIL OOZE. Faint pale yellow green (10GY 7/2), reddish gray (5R 6/1), pale blue (5B 7/2), and pale purple (5P 6/2) color bands are common throughout the core. These color bands are 1-3 cm and are typically horizontal. Within Sections 1 and 2, the color bands sometimes dip in opposite directions. The sediment in this core is very stiff and some thin (1 to 7 cm thick) horizons are hard.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Accessory minerals	3
Diatoms	5
Foraminifers	25
Nannofossils	62
Radiolarians	3
Siliceous fragments	2



SITE 805 HOLE B CORE 30X CORED INTERVAL 272.9-282.5 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
MIDDLE MIOCENE	A/G	N14				V=1582 Φ=59.4 ρ=1.73 ●%$CaCO_3$=92.9		1	0.5					NANNOFOSSIL OOZE with FORAMINIFERS
	A/P	NN9				V=1582 Φ=54.5 ρ=1.71 ●%$CaCO_3$=93.3		1	1.0					Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. It is relatively homogeneous, with scattered pyrite specks and streaks indicative of bioturbation. Rare, faint, reddish gray (5R 6/1) and pale yellow green (10GY 7/2) color bands are observed. The ooze is very stiff, with interbedded indurated zones.
	A/G	*Diartus petterssoni*						2						
	C-A/G	NTD 9						3						
								4						
								5						
								6						
								CC						

SITE 805 HOLE B CORE 31X CORED INTERVAL 282.5-292.2 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 N14	A/P NN9?	A/M *Diartus petterssoni*	C-A/M-G NTD 9		● Φ=56.5 ρ=1.74	● %$CaCO_3$=89.0	1	0.5 1.0				
								2					
						● Φ=57.1 ρ=1.76	● %$CaCO_3$=92.0	3					*
								4					
								5					
								6					
								CC					PAL

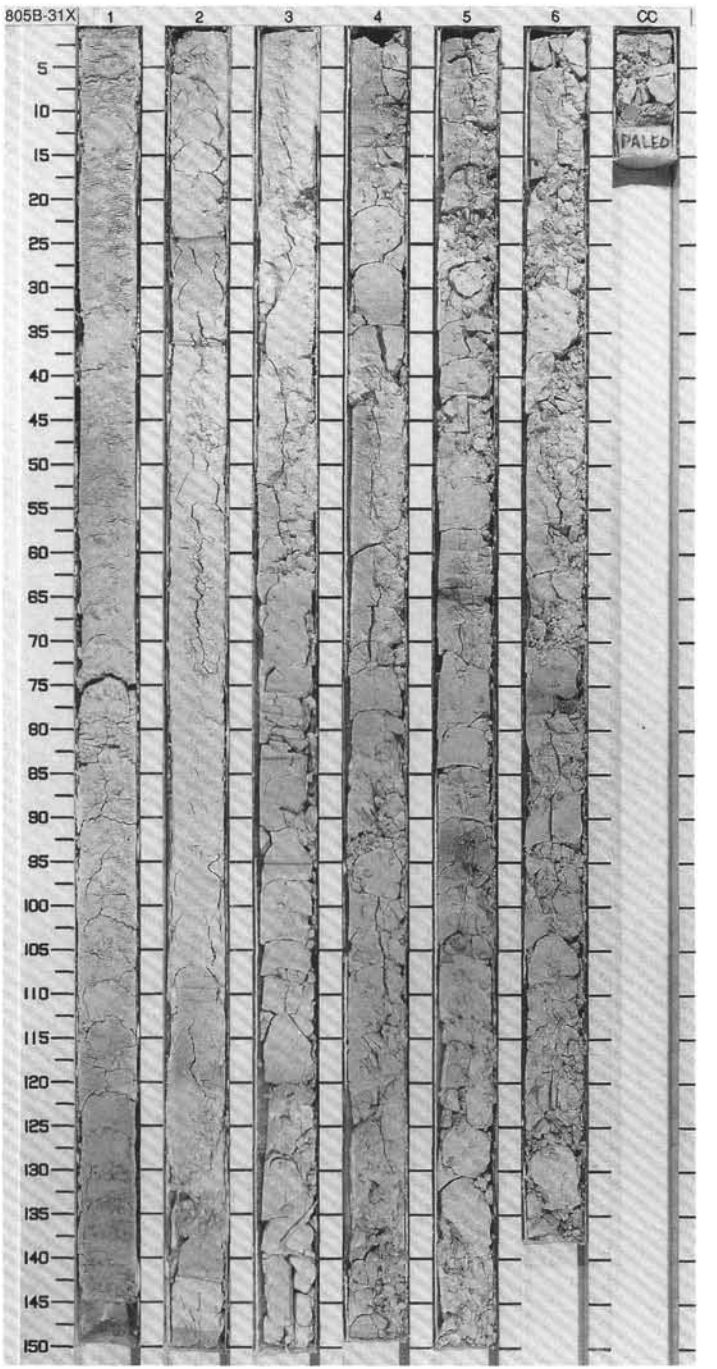
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0), bioturbated and mottled NANNOFOSSIL CHALK with FORAMINIFERS. Intervals of 1 to 5 mm thick, reddish gray (5R 6/2) and pale yellowish green (10GY 7/2) color bands are spaced 10 to 50 cm apart. The sediment is composed of numerous biscuits,which are locally interbedded with ooze.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Accessory minerals	1
Diatoms	Tr
Foraminifers	15
Nannofossils	82
Radiolarians	Tr
Siliceous fragments	2



SITE 805 HOLE B CORE 32X CORED INTERVAL 292.2-301.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MIDDLE MIOCENE	A/G	N12				V-1637 ●0+68.2 ρ-1.55	●%$CaCO_3$+92.0	4					
	A/M	NN6 - NN7				V-1576 ●0+55.4 ρ-1.77	●%$CaCO_3$+92.0	3					
	A/M	*Dorcadospyris alata*				V-1624 ●0+55.0 ρ-1.77	●%$CaCO_3$+91.9	2				*	OG
	A/G	NTD 8	*(Craspedodiscus coscinodiscus)*					1	0.5				TW
									1.0				
								CC					

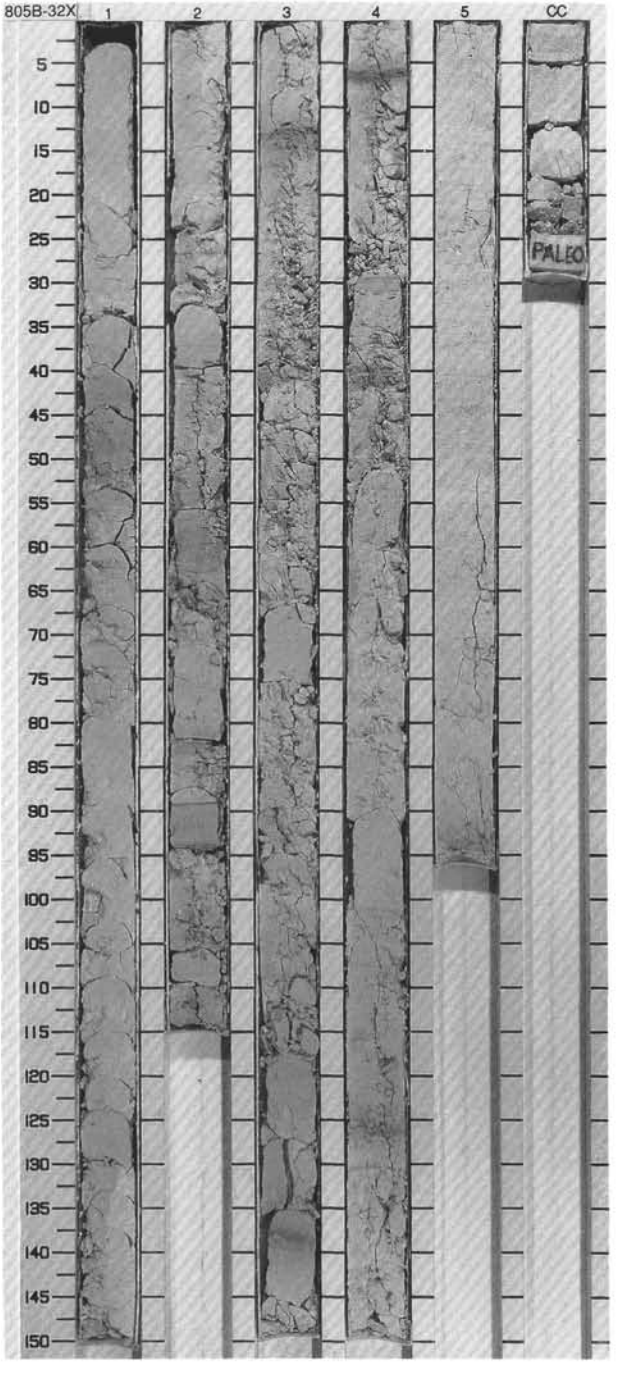
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

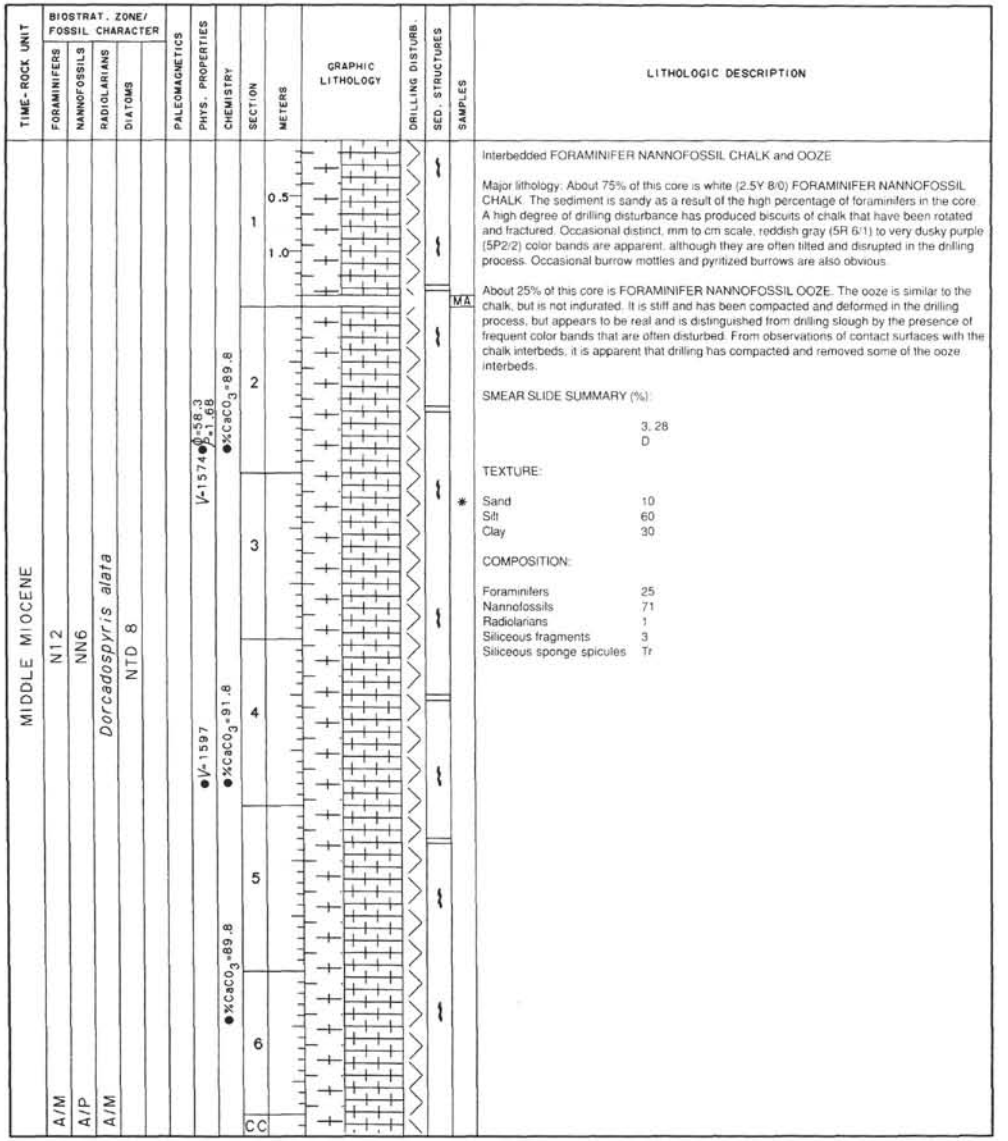
Major lithology: This core contains white (2.5Y 8/0), bioturbated and mottled NANNOFOSSIL CHALK with FORAMINIFERS. The percentage of foraminifers increases in Section 5. The sediment exhibits discrete, cm thick zones that contain mm scale, reddish gray (5R 6/2) and pale yellowish green (10GY 7/2) color bands. The core is highly fractured by drilling, resulting in biscuits.

SMEAR SLIDE SUMMARY (%):

	2, 74 D
TEXTURE:	
Sand	8
Silt	65
Clay	27
COMPOSITION:	
Accessory minerals	2
Diatoms	Tr
Foraminifers	13
Nannofossils	83
Radiolarians	Tr
Siliceous fragments	2



SITE 805 HOLE B CORE 33X CORED INTERVAL 301.4-311.0 mbsf



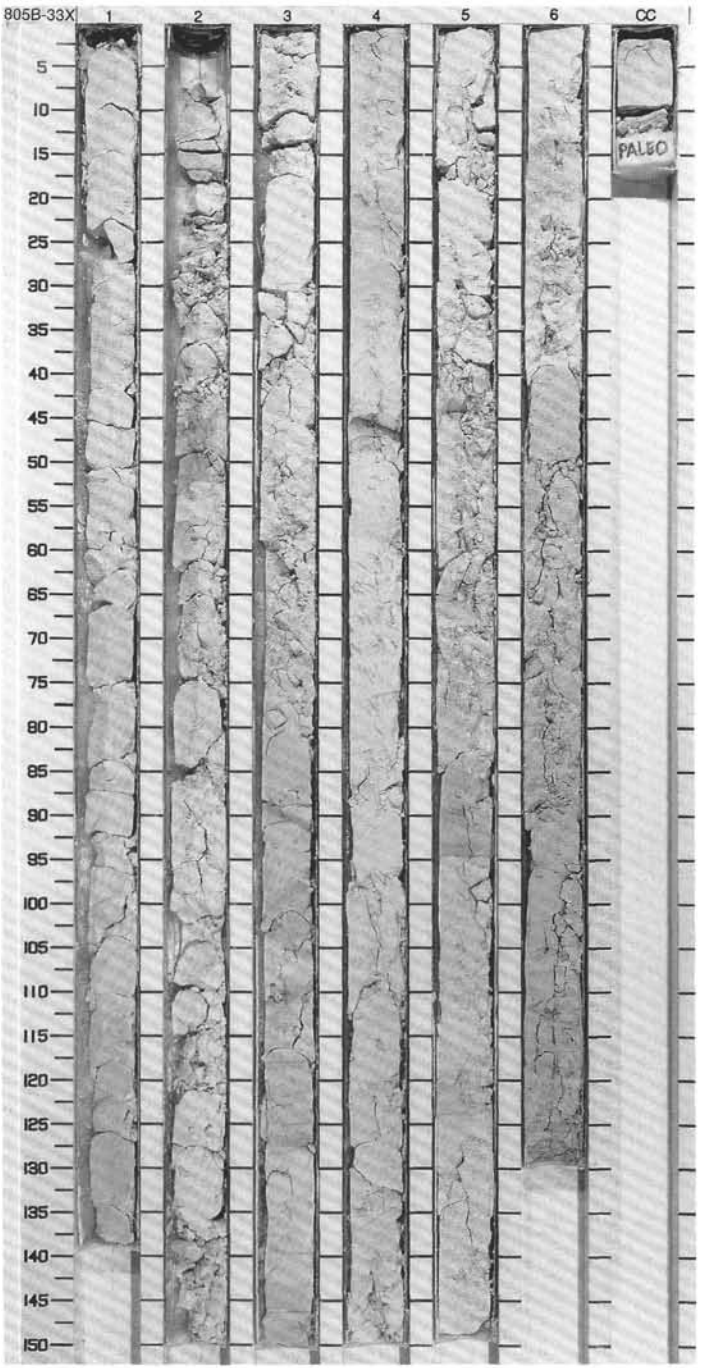
Interbedded FORAMINIFER NANNOFOSSIL CHALK and OOZE

Major lithology: About 75% of this core is white (2.5Y 8/0) FORAMINIFER NANNOFOSSIL CHALK. The sediment is sandy as a result of the high percentage of foraminifers in the core. A high degree of drilling disturbance has produced biscuits of chalk that have been rotated and fractured. Occasional distinct, mm to cm scale, reddish gray (5R 6/1) to very dusky purple (5P2/2) color bands are apparent, although they are often tilted and disrupted in the drilling process. Occasional burrow mottles and pyritized burrows are also obvious.

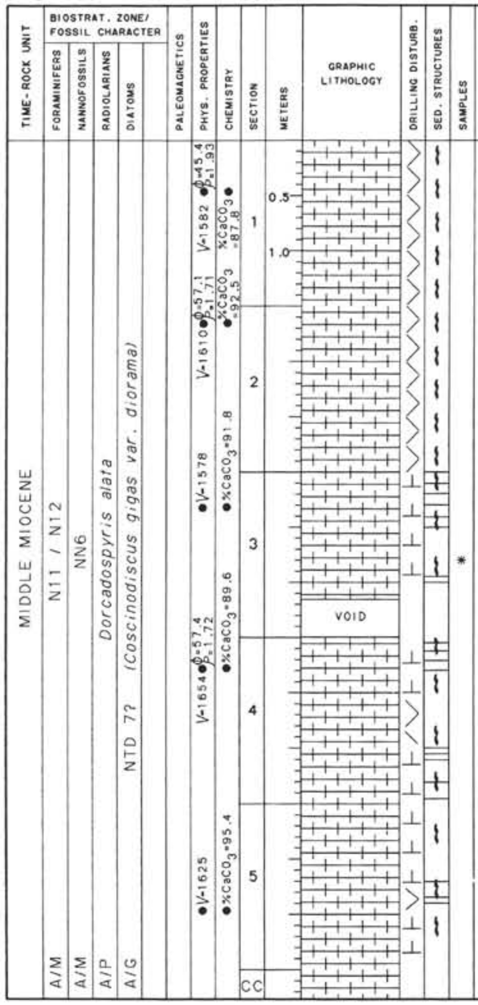
About 25% of this core is FORAMINIFER NANNOFOSSIL OOZE. The ooze is similar to the chalk, but is not indurated. It is stiff and has been compacted and deformed in the drilling process, but appears to be real and is distinguished from drilling slough by the presence of frequent color bands that are often disturbed. From observations of contact surfaces with the chalk interbeds, it is apparent that drilling has compacted and removed some of the ooze interbeds.

SMEAR SLIDE SUMMARY (%):

	3, 28
	D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Foraminifers	25
Nannofossils	71
Radiolarians	1
Siliceous fragments	3
Siliceous sponge spicules	Tr



SITE 805 HOLE B CORE 34X CORED INTERVAL 311.0-320.5 mbsf



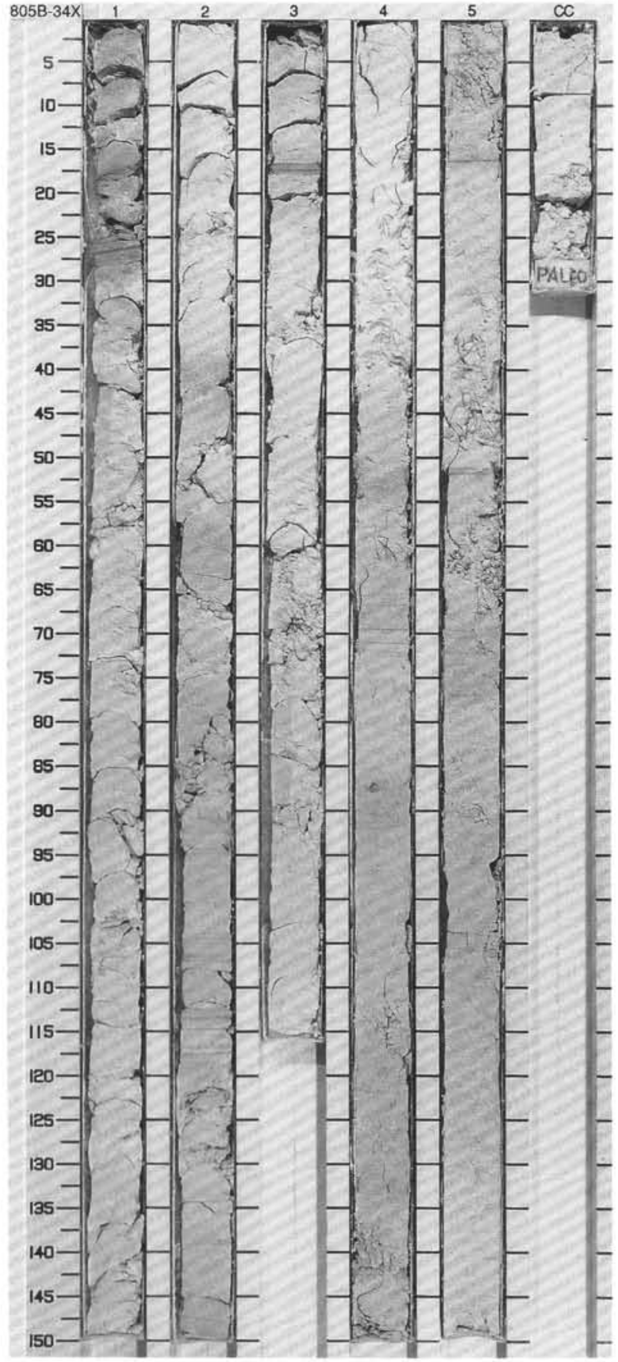
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains slightly to moderately bioturbated FORAMINIFER NANNOFOSSIL CHALK, which is predominantly white (2.5Y 8/0), but also has minor zones of pale yellowish green (10GY 7/2), reddish gray (5R 6/1), light gray (N7/), and pale purple (5P 6/2). Distinct mm scale, greenish gray (5G 6/1), gray (N7/), and pale purple (5P 6/2) color bands are abundant and are located in several 10 to 30 cm thick intervals.

SMEAR SLIDE SUMMARY (%):

	3, 80 D
TEXTURE:	
Sand	20
Silt	78
Clay	2
COMPOSITION:	
Foraminifers	25
Nannofossils	74
Radiolarians	1



SITE 805 HOLE B CORE 35X CORED INTERVAL 320.5-330.0 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	N11				V=1522 ρ=58.2 P=1.71	%CaCO3=91.3	1	0.5				
	A/M	NN5				V=1606 ρ=59.0 P=1.71	%CaCO3=91.7	1	1.0				
						V=1570 ρ=59.3 P=1.69	%CaCO3=86.5	2				*	
	A/G	NTD 6 (*Coscinodiscus lewisianus*)						3					OG W
								4					
								5					
								CC					

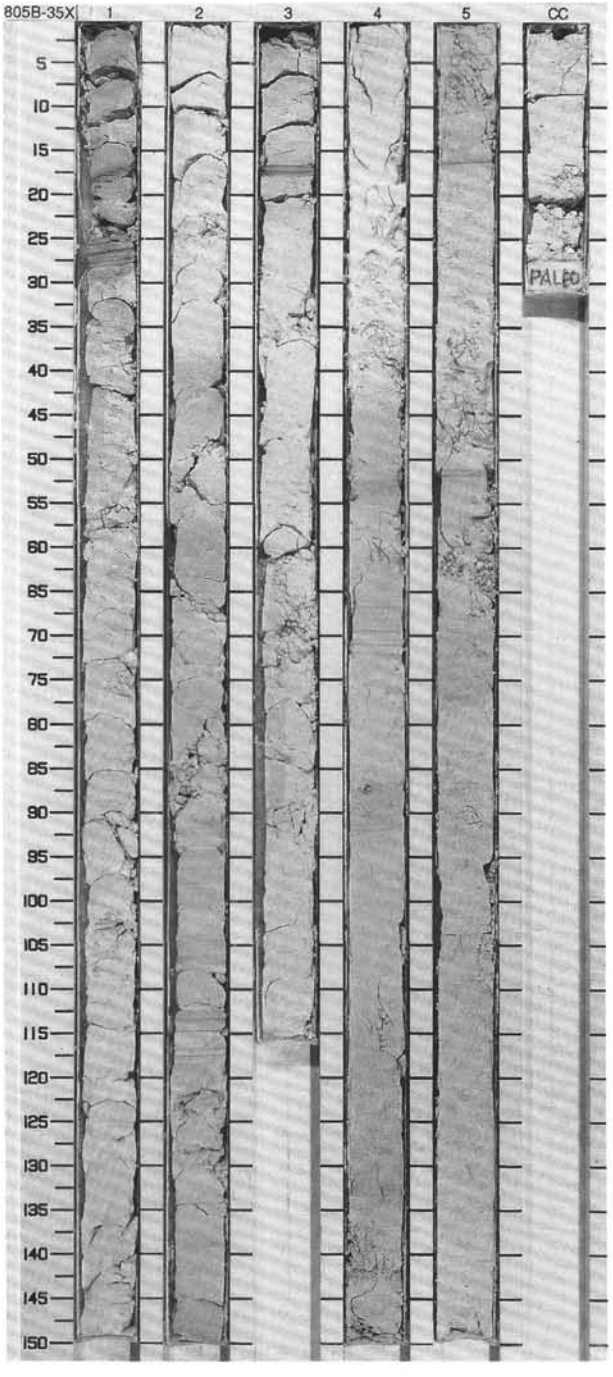
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains slightly bioturbated FORAMINIFER NANNOFOSSIL CHALK, which is predominantly white (2.5Y 8/0), but also has minor zones of pale blue (5PB 7/1). Distinct, mm scale, greenish gray (5G 6/1), gray (N7/), and grayish blue (5PB 7/2) color bands are common in several 10 to 30 cm thick intervals.

SMEAR SLIDE SUMMARY (%):

	2, 80 D
TEXTURE:	
Sand	15
Silt	83
Clay	2
COMPOSITION:	
Diatoms	2
Foraminifers	26
Nannofossils	70
Radiolarians	1
Siliceous sponge spicules	1



SITE 805 HOLE B CORE 36X CORED INTERVAL 330.0-339.7 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	N10	A/P	NN5	A/M	*Dorcadospyris alata*	C/M	NTD 5 (*Cestodiscus peplum*)	V=1654 ϕ=53.1 ρ=1.80	V=1659 ϕ=53.1 ρ=1.78	V=1687 ϕ=54.4 ρ=1.78	V=1687 ϕ=55.0 ρ=1.77	V=1710	%$CaCO_3$=92.5	%$CaCO_3$=91.0 %$CaCO_3$=80.7	%$CaCO_3$=86.2	%$CaCO_3$=90.5	1 2 3 4 5 6 CC	0.5 1.0					

LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains white (2.5Y 8/0), slightly bioturbated FORAMINIFER NANNOFOSSIL CHALK. Faint white (5Y 8/1) mottling and specks of dark gray (2.5Y 4/0) are common throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 131 D
TEXTURE:	
Sand	10
Silt	85
Clay	5
COMPOSITION:	
Diatoms	Tr
Foraminifers	25
Nannofossils	74
Radiolarians	1
Siliceous sponge spicules	Tr

SITE 805 HOLE B CORE 37X CORED INTERVAL 339.7-349.4 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	N9 - N10	NN5	A/M	A/M				1	0.5				
									1.0				
								2					*
								3					
								4					
								5					
								6					
								CC					

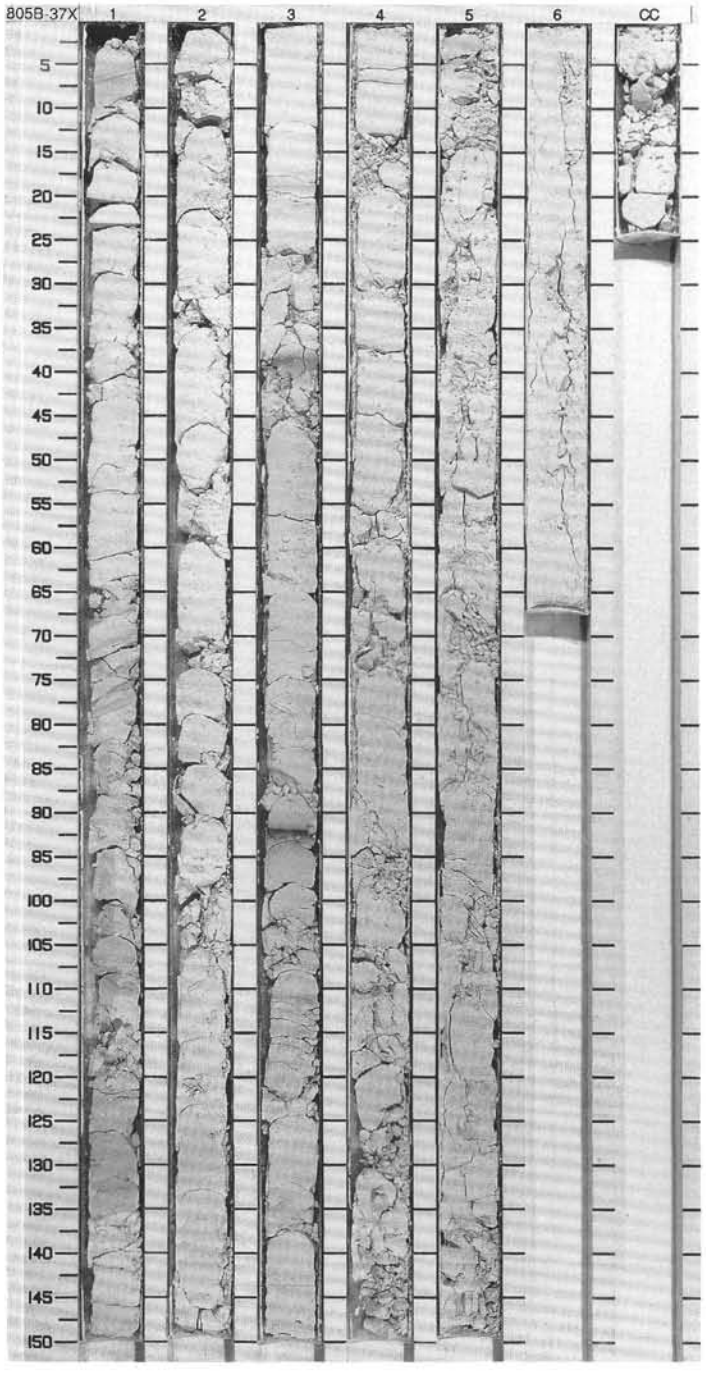
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains slightly bioturbated FORAMINIFER NANNOFOSSIL CHALK. It is predominantly white (2.5Y 8/0) in color, but Section 1 has small intervals that grade into pale blue (5PB 7/1). Dusky blue (5PB 3/2) and pale blue (5PB 7/1) color bands are common in Section 3.

SMEAR SLIDE SUMMARY (%):

	2, 66
	D
TEXTURE:	
Sand	35
Silt	65
COMPOSITION:	
Foraminifers	25
Nannofossils	72
Radiolarians	3



SITE 805 HOLE B CORE 38X CORED INTERVAL 349.4-359.0 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	N9	NN5	*Dorcadospyris alata*	NTD 5				1	0.5				
	A/M	A/P	A/M	C/M					1.0				
								2					*
								3					OG
													IW
								4					
								5					
								CC					

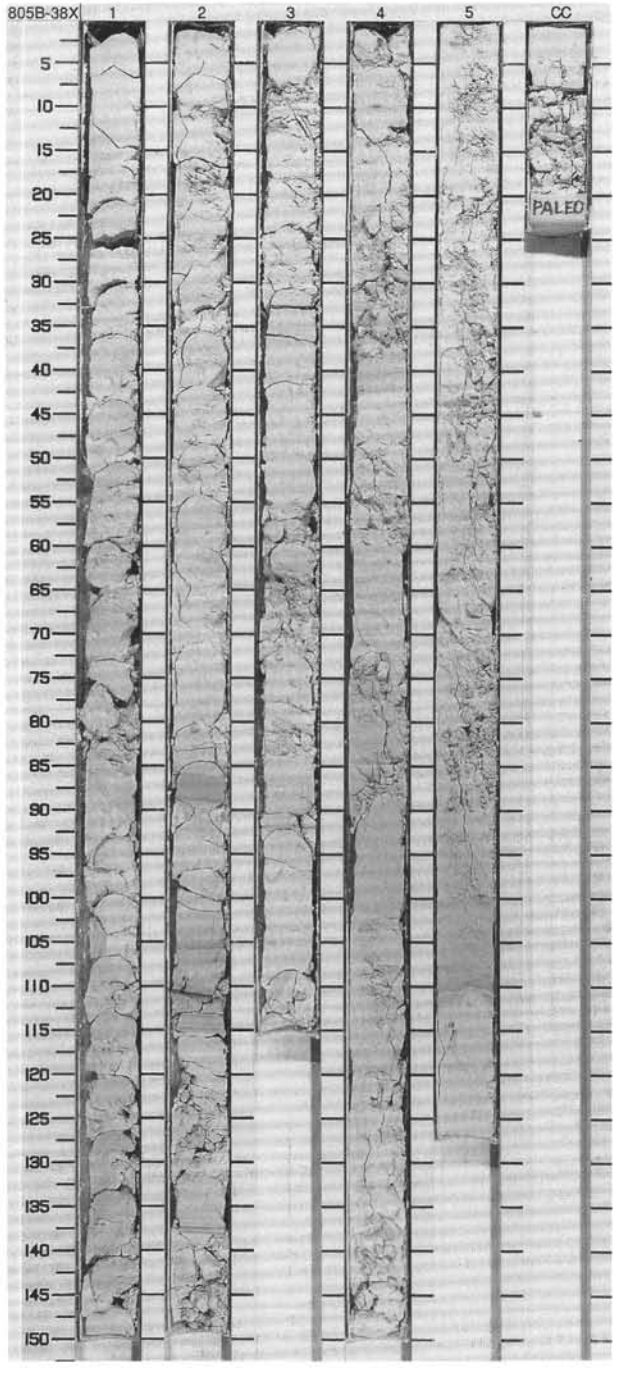
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains slightly bioturbated FORAMINIFER NANNOFOSSIL CHALK. It is predominantly white (2.5Y 8/0), with short intervals which grade into pinkish white (5YR 8/2) in Sections 4 and 5. Sections 1 and 2 are biscuited. Distinct, mm size, light greenish gray (5G 8/1) and pale blue (5PB 7/1) color bands are common in Sections 2 and 3.

SMEAR SLIDE SUMMARY (%):

	2, 105 D
TEXTURE:	
Sand	15
Silt	83
Clay	2
COMPOSITION:	
Foraminifers	25
Nannofossils	74
Radiolarians	1



SITE 805 HOLE B CORE 39X CORED INTERVAL 359.0-368.7 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	N9	NN5	*Calocycletta costata*	NTD 5				1	0.5				
									1.0				
								2					
								3					*
								4					
								5					
								6					
								CC					
	A/M	A/P	A/G	C-A/M									

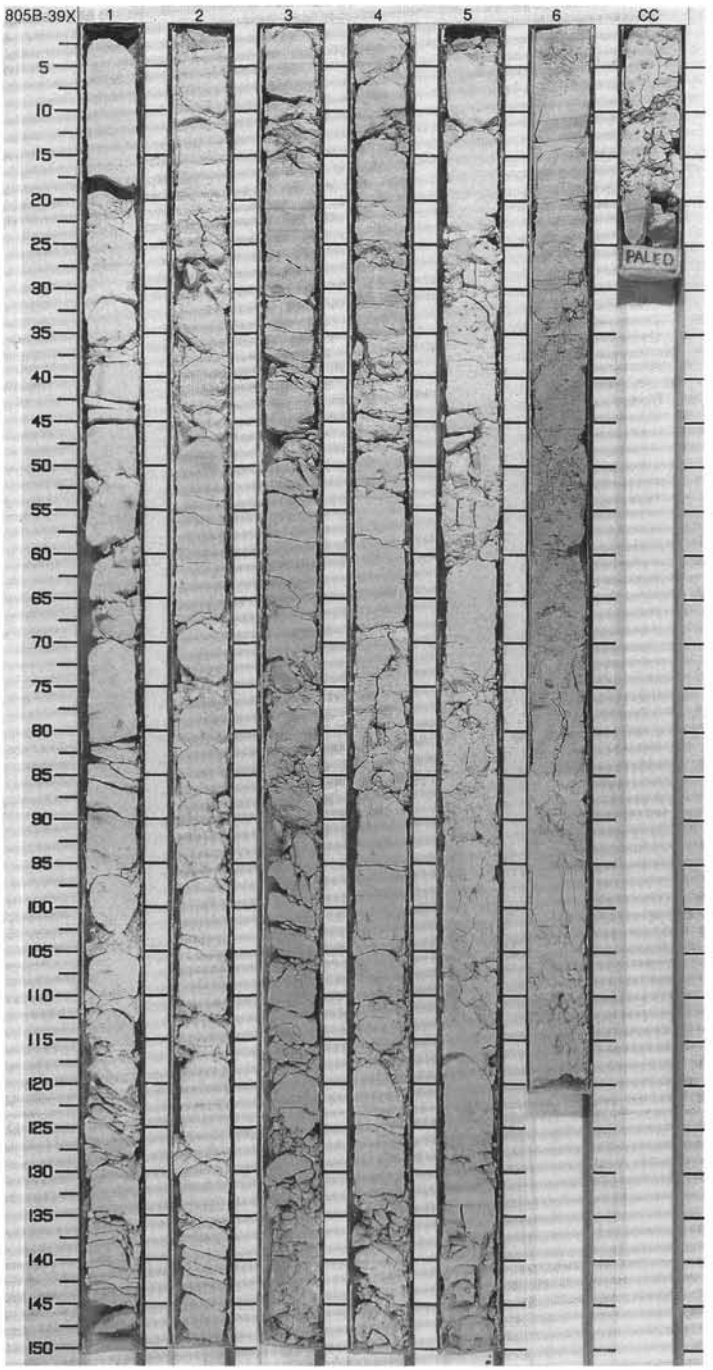
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains slightly to moderately bioturbated FORAMINIFER NANNOFOSSIL CHALK. It is predominantly white (2.5Y 8/0), but grades to pale pink (5RP 8/2), white (10Y 8/1), and pale purple (5P 6/2) in intervals 20 to 100 cm long.

SMEAR SLIDE SUMMARY (%):

	3, 90 D
TEXTURE:	
Sand	20
Silt	78
Clay	2
COMPOSITION:	
Foraminifers	25
Nannofossils	72
Radiolarians	2
Silicoflagellates	1



SITE 805 HOLE B CORE 40X CORED INTERVAL 368.7-378.3 mbsf

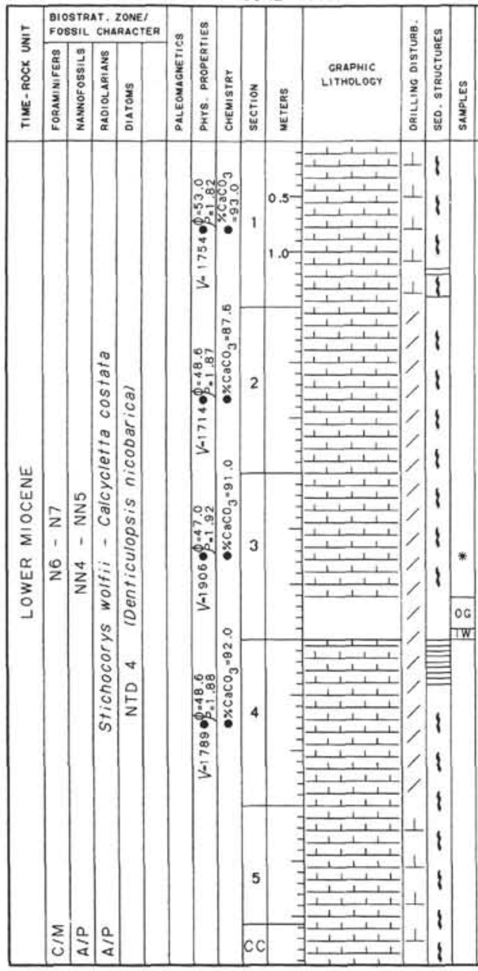
NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL CHALK with FORAMINIFERS. It is predominantly white (2.5Y 8/0), but grades to pale blue (5PB 7/2), white (7.5YR 8/0), and light greenish gray (5GY 7/1) over 20 to 40 cm long intervals. The entire core is slightly to heavily bioturbated, with diffuse burrows throughout and cm scale discrete burrows in Section 4.

SMEAR SLIDE SUMMARY (%):

	2, 60 D
TEXTURE:	
Sand	10
Silt	85
Clay	5
COMPOSITION:	
Foraminifers	20
Glass	1
Nannofossils	77
Radiolarians	2
Silicoflagellates	Tr

SITE 805 HOLE B CORE 41X CORED INTERVAL 378.3-388.0 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
N6 - N7
NN4 - NN5
Stichocorys wolfii - Calcycletta costata
NTD 4 (Denticulopsis nicobarica)
C/M
A/P
A/P
V=1754 Φ=53.0 ρ=1.82
%CaCO3 =93.0
V=1714 Φ=48.6 ρ=1.87
%CaCO3=87.6
V=1906 Φ=47.0 ρ=1.92
%CaCO3=91.0
V=1789 Φ=48.6 ρ=1.88
%CaCO3=82.0
1
2
3
4
5
CC
0.5
1.0
*
OG
IW

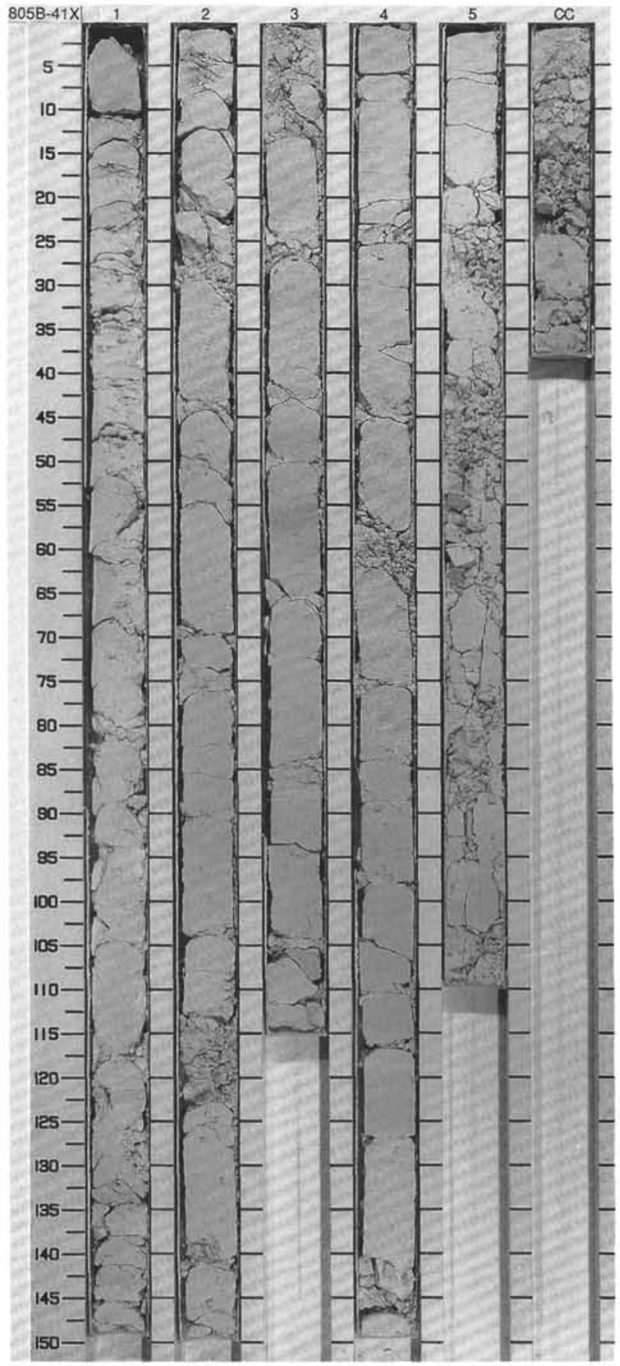
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL CHALK with FORAMINIFERS. The color is white (2.5Y 8/0), with white (5Y 8/0) mottling resulting from slight to moderate bioturbation.

SMEAR SLIDE SUMMARY (%):

	3, 76
	D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Foraminifers	12
Glass	1
Nannofossils	85
Radiolarians	2
Silicoflagellates	Tr



SITE 805 HOLE B CORE 42X CORED INTERVAL 388.0-397.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIOCENE	C/P	N5											
	A/M	NN2											
	A/P		*Stichocorys wolfii* - *Calocycletta costata*										
	C-A/M			?									
						V-1688 Φ=48.3 ρs=1.88	V-1647 Φ=55.4 ρs=1.78	V-1828 Φ=44.6 ρs=1.78	V-1731 Φ=52.2 ρs=1.83	V-1752 Φ=47.7 ρs=1.93			
							●%$CaCO_3$=90.5	●%$CaCO_3$=92.2	●%$CaCO_3$=90.9	●%$CaCO_3$=84.7	●%$CaCO_3$=89.0		
								1	0.5				
									1.0				
								2					
								3					*
								4					*
								5					
								6					
								CC					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL CHALK with FORAMINIFERS. The core is predominantly white in color (10YR 8/1, 10Y 8/1, and 2.5Y 8/0), with a pale blue interval (5PB 7/2) from Section 4, 30 cm, to Section 5, 33 cm. Bioturbation is expressed as mm scale, diffuse mottling, and discrete, cm scale vertical and horizontal burrows are present in Section 2.

SMEAR SLIDE SUMMARY (%):

	3, 87 D	4, 94 D
TEXTURE:		
Sand	8	8
Silt	90	90
Clay	2	2
COMPOSITION:		
Foraminifers	10	10
Nannofossils	88	88
Radiolarians	2	2
Silicoflagellates	Tr	Tr

SITE 805 HOLE B CORE 43X CORED INTERVAL 397.7-407.3 mbsf

Time-rock unit	Foraminifers	Nannofossils	Radiolarians	Diatoms	Paleomagnetics	Section	Phys. properties	Chemistry
LOWER MIOCENE	N5	NN2	top NTD 2 (*Craspedodiscus elegans*)			1	V=1681 ● Φ=52.7, ρ=1.81	●%$CaCO_3$=92.8
						2	V=1789 ● Φ=47.9, ρ=1.88	●%$CaCO_3$=89.0
						3	● Φ=50.9, ρ=1.84	●%$CaCO_3$=89.8
						4	V=1682 ● Φ=51.2, ρ=1.82	●%$CaCO_3$=90.1
						5	V=1709 ● Φ=49.3, ρ=1.88	●%$CaCO_3$=90.5
						6	V=1813 ● Φ=44.8, ρ=1.92	●%$CaCO_3$=92.3
	A/M	A/M		C/M-P		CC		

GRAPHIC LITHOLOGY | DRILLING DISTURB. | SED. STRUCTURES | SAMPLES (MAR)

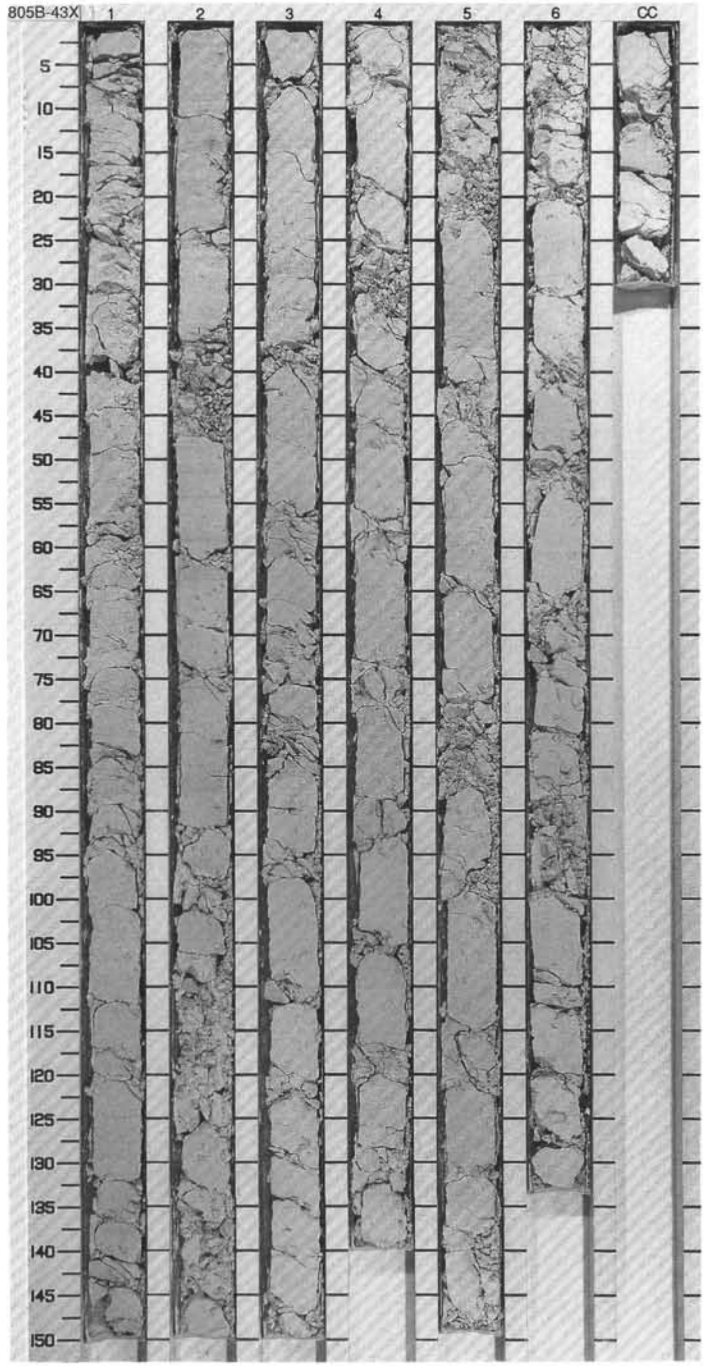
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with RADIOLARIANS

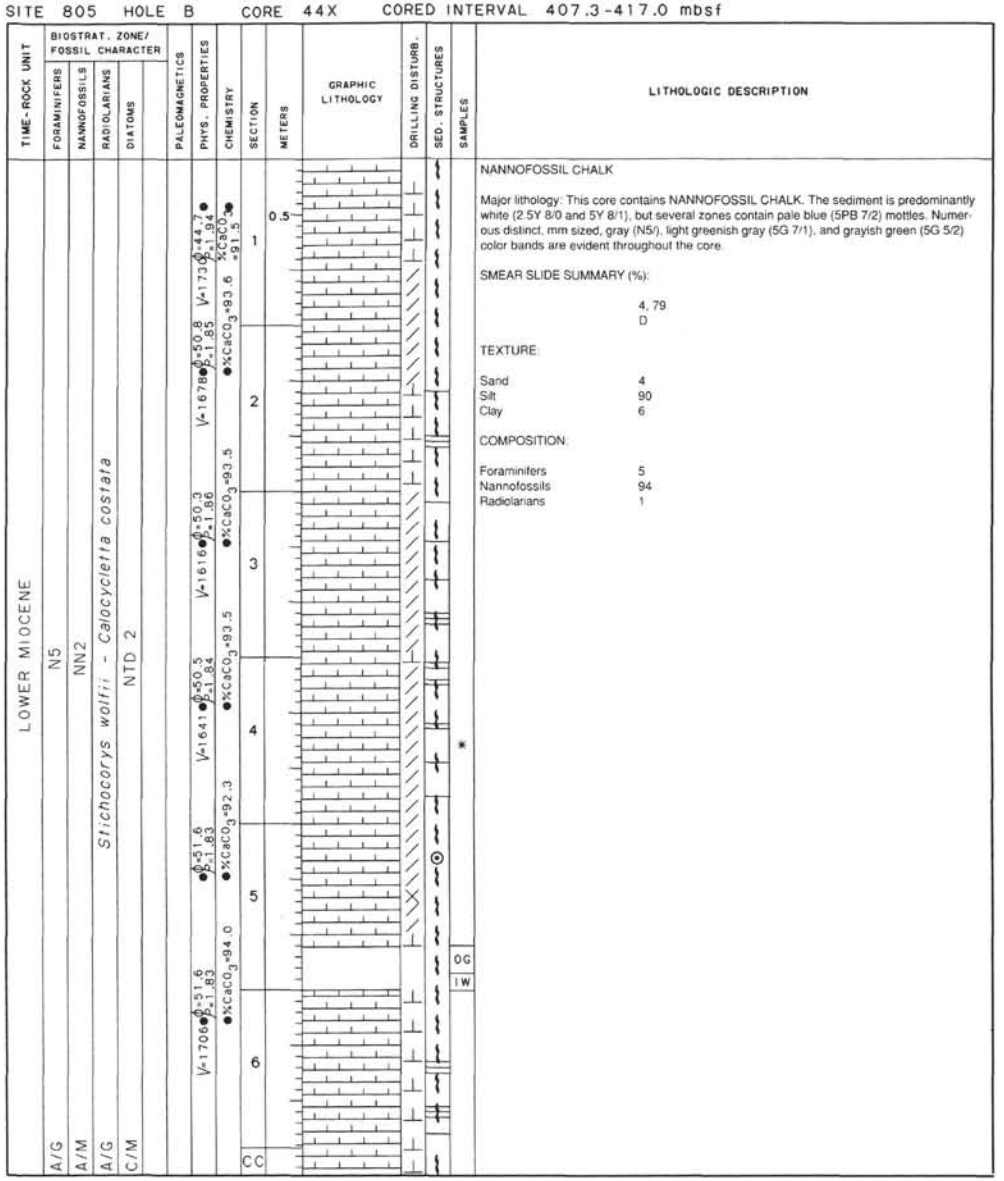
Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL CHALK with RADIOLARIANS. The sediment is bioturbated throughout and several zones have pale blue (5PB 7/2) and pale purple (5P 6/2) mottles. *Zoophycos* trace fossils burrows and pale blue (5PB 7/2) and light gray (N7/) color bands are scattered throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 55
	D
TEXTURE:	
Sand	20
Silt	80
COMPOSITION:	
Foraminifers	7
Nannofossils	83
Radiolarians	10



SITE 805 HOLE B CORE 44X CORED INTERVAL 407.3-417.0 mbsf

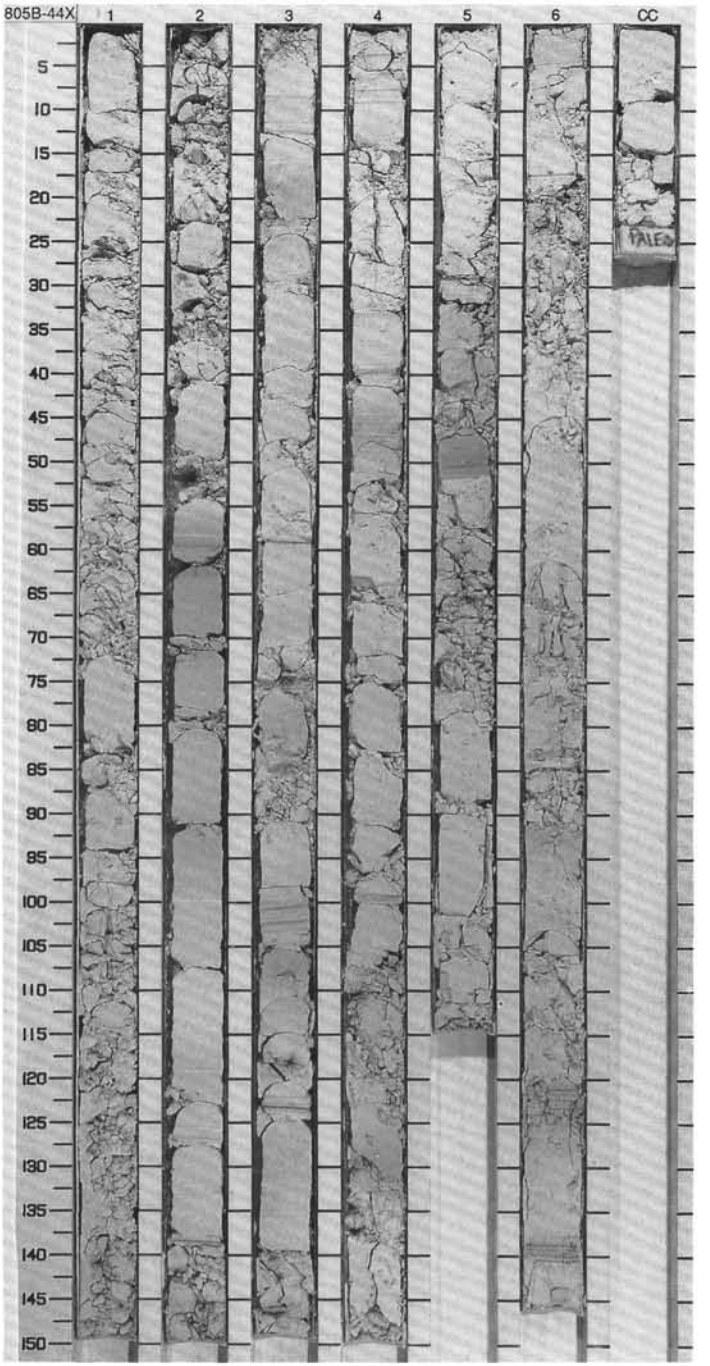


NANNOFOSSIL CHALK

Major lithology: This core contains NANNOFOSSIL CHALK. The sediment is predominantly white (2.5Y 8/0 and 5Y 8/1), but several zones contain pale blue (5PB 7/2) mottles. Numerous distinct, mm sized, gray (N5/), light greenish gray (5G 7/1), and grayish green (5G 5/2) color bands are evident throughout the core.

SMEAR SLIDE SUMMARY (%):

	4, 79 D
TEXTURE:	
Sand	4
Silt	90
Clay	6
COMPOSITION:	
Foraminifers	5
Nannofossils	94
Radiolarians	1



SITE 805 HOLE B CORE 45X CORED INTERVAL 417.0-426.5 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
LOWER MIOCENE	A/G N5	A/M NN2	C/M-P	NTD 2	●V-1642 ●V-1811 ●V-1777 ●V-1675 ●V-1722	●%$CaCO_3$=95.0 ●%$CaCO_3$=94.6 ●%$CaCO_3$=89.7 ●%$CaCO_3$=93.3 ●%$CaCO_3$=92.4	1 2 3 4 5 6 CC	0.5 1.0				*	

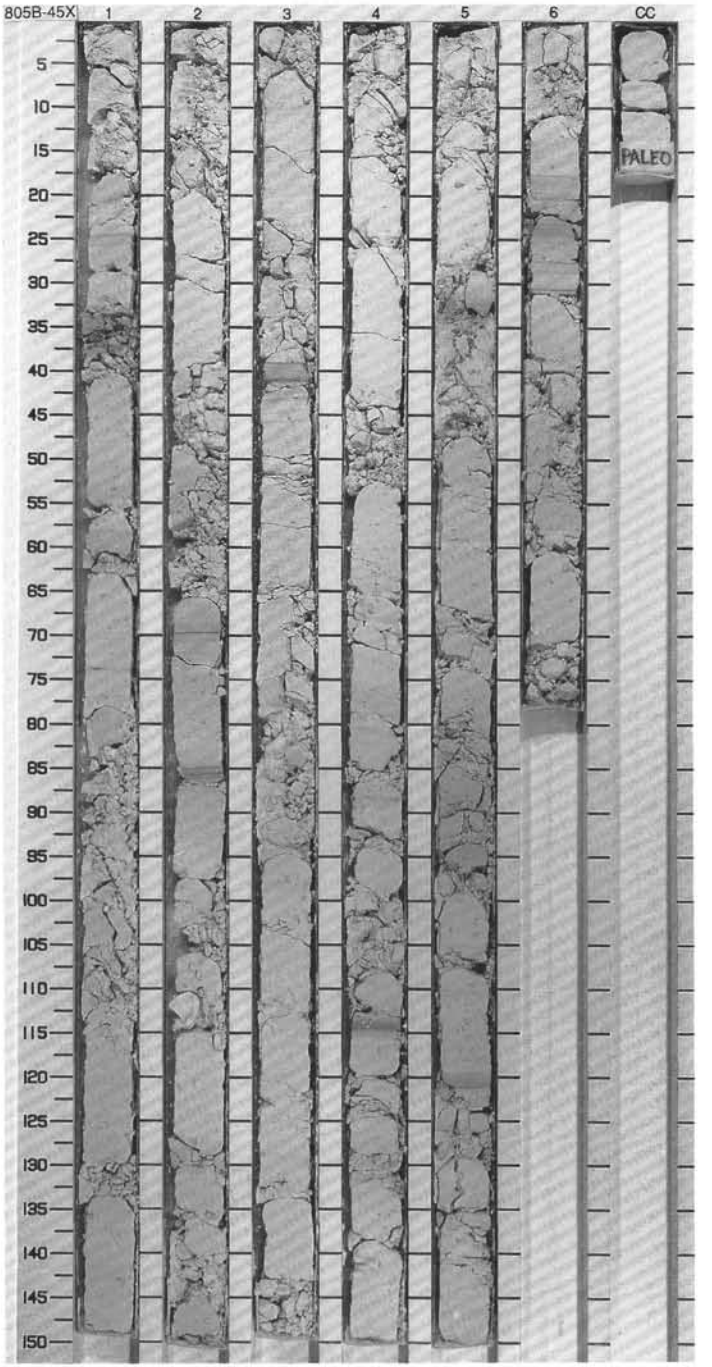
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains slightly bioturbated NANNOFOSSIL CHALK with FORAMINIFERS. The sediment is predominantly white (2.5Y 8/0), but several zones contain pale blue (5PB 7/2) mottles. Centimeter to mm sized intervals contain numerous distinct, mm size, greenish gray (5G 6/1), gray (N5/), and white (2.5Y 8/0) color bands.

SMEAR SLIDE SUMMARY (%):

	2, 20 D
TEXTURE:	
Sand	25
Silt	75
COMPOSITION:	
Foraminifers	14
Nannofossils	78
Radiolarians	7
Silicoflagellates	1



SITE 805 HOLE B CORE 46X CORED INTERVAL 426.5-436.0 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	N5 C/P	NN1 A/M	*Stichocorys wolffii* A/P	NTD 2? F/P		● V=1528; ● V=1822	● %CaCO$_3$=94.0; ● %CaCO$_3$=92.3	1, 2, 3, 4, 5, 6, CC	0.5, 1.0				*	

BIOSTRAT. ZONE/ FOSSIL CHARACTER

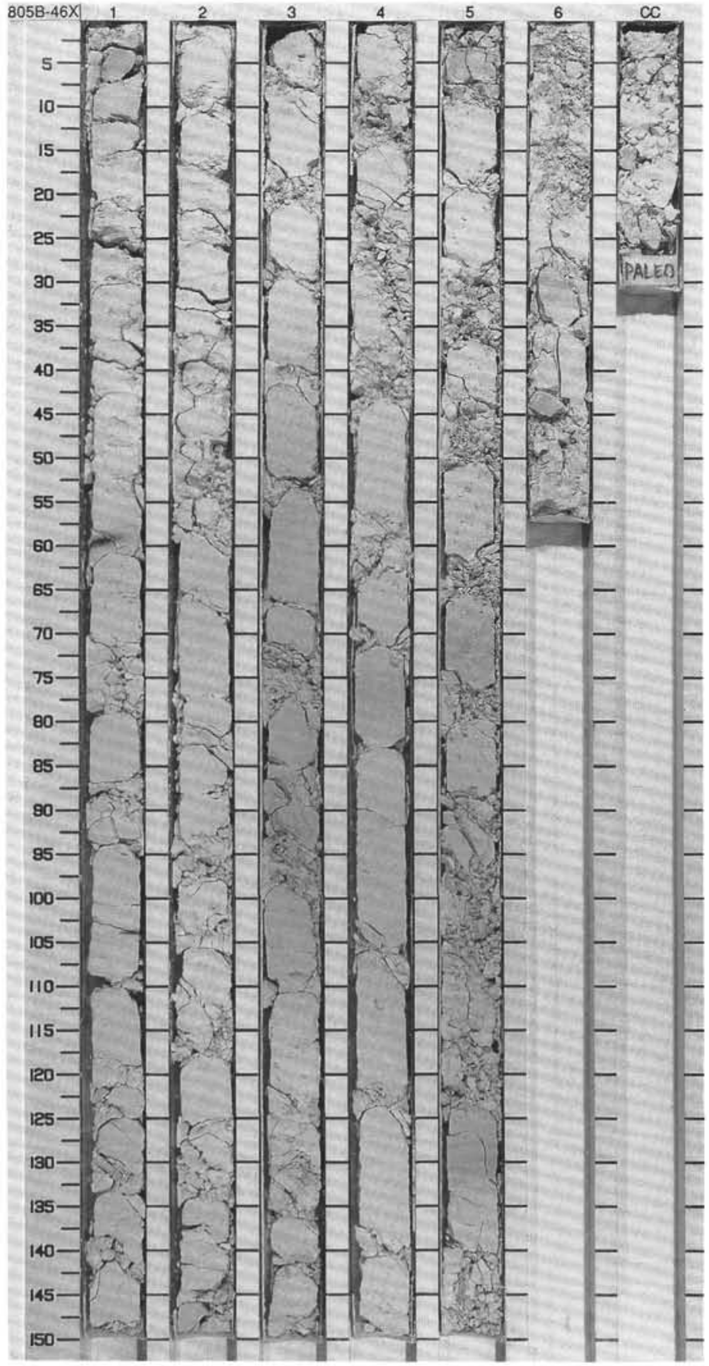
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains white (2.5Y 8/0, 10Y 8/1 and 5Y 8/1), slightly to heavily bioturbated NANNOFOSSIL CHALK. A few pale purple halos are seen around burrows in Section 1. Section 3 contains a zone of extensive, diffuse pale blue (5PB 7/2) mottling. In Sections 4 through 6, light gray (5Y 7/1), zones ca. 10 cm thick with distinct burrows are spaced about 60 cm apart.

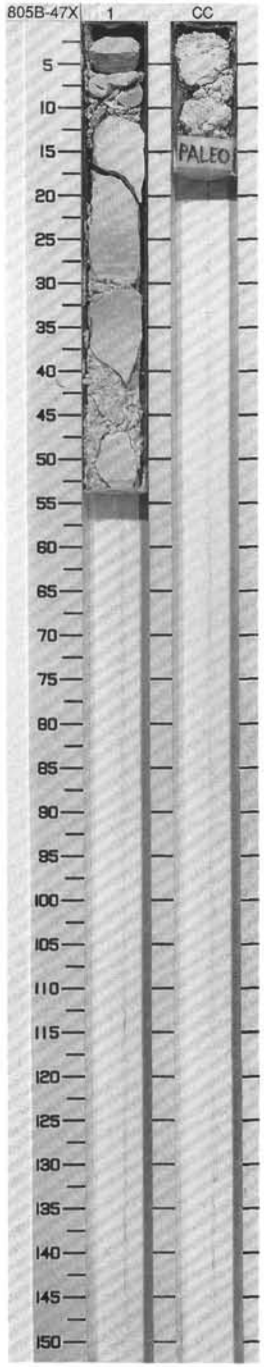
SMEAR SLIDE SUMMARY (%):

	2, 80
	D
TEXTURE:	
Sand	6
Silt	64
Clay	30
COMPOSITION:	
Foraminifers	4
Nannofossils	94
Radiolarians	2
Silicoflagellates	Tr
Spicules	Tr



SITE 805 HOLE B CORE 47X CORED INTERVAL 436.0-445.5 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 A/M	NN1? A		? F/P			V=1824 ● ϕ=45.9 ρ=1.92	● %CaCO$_3$ =92.0	1 CC					*	NANNOFOSSIL CHALK Major lithology: This core contains white (2.5Y 8/0), moderately to heavily bioturbated NANNOFOSSIL CHALK. SMEAR SLIDE SUMMARY (%): 1, 27 D TEXTURE: Sand 10 Silt 90 COMPOSITION: Foraminifers 5 Nannofossils 90 Radiolarians 5



SITE 805 HOLE B CORE 48X CORED INTERVAL 445.5-455.1 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 MIOCENE	R/P	N4	A/M	A/M									
		NN12											
		Stichocorys wolfii											
									0.5				
								1	1.0				
								2				*	
								3					
													OG
													TW
								4					
								5					
								CC					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains NANNOFOSSIL CHALK, which is predominantly white (2.5Y 8/0), but grades to pale blue (5PB 7/2), greenish gray (5GY 6/1), and light gray (N7/) over intervals of 10 cm or less. The entire core is slightly to moderately bioturbated.

SMEAR SLIDE SUMMARY (%):

	2, 98
	D
TEXTURE:	
Sand	10
Silt	85
Clay	5
COMPOSITION:	
Foraminifers	8
Nannofossils	90
Radiolarians	2

SITE 805 HOLE B CORE 49X CORED INTERVAL 455.1-464.8 mbsf

TIME-ROCK UNIT: LOWER MIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER
- FORAMINIFERS: R/P; N4
- NANNOFOSSILS: N N12
- RADIOLARIANS: C/P; Stichocorys wolfii
- DIATOMS: C/P; ?

PALEOMAGNETICS: V-1697

PHYS. PROPERTIES: V-1706 D=46.9 I=1.91 V-1721 D=47.1 I=1.91 V-1675 D=49.1 I=1.88 V-1697 D=47.8 I=1.88

CHEMISTRY: %$CaCO_3$=94.6; %$CaCO_3$=91.3; %$CaCO_3$=95.0; %$CaCO_3$=94.6; %$CaCO_3$=92.7

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: *

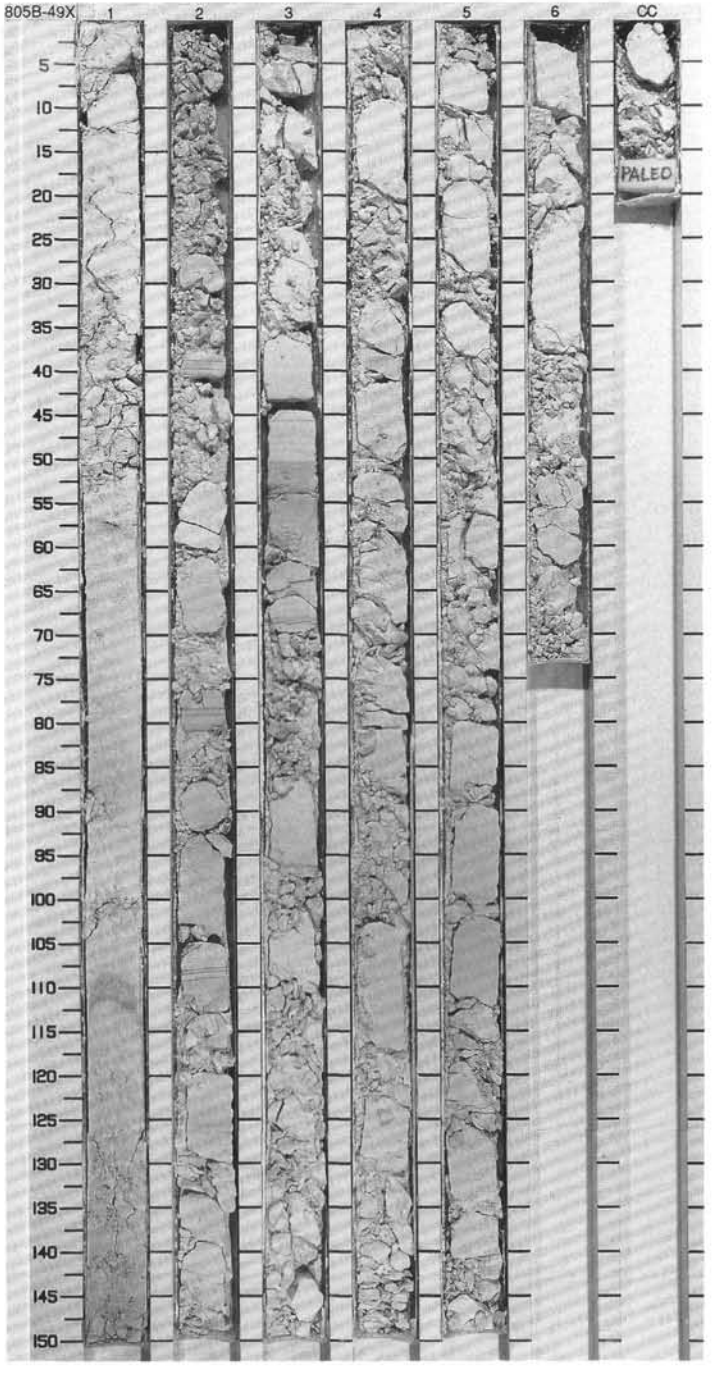
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core consists of white (2.5Y 8/0) NANNOFOSSIL CHALK. The color is reddish gray (5R 6/1) from the bottom of Section 1 through most of Section 2. Distinct reddish gray (5R 6/1) and pale yellowish green color bands (mm thick) are abundant in Sections 2 and 3. The sediment is moderately to highly bioturbated as indicated by trace fossils and a few pyritized burrow fills. Most of the core is moderately to highly fragmented, with intervals containing drilling breccia. Biscuits of chalk generally are imbedded in a stiff matrix of ooze and breccia.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Silt	60
Clay	40
COMPOSITION:	
Foraminifers	2
Nannofossils	98



SITE 805 HOLE B CORE 50X CORED INTERVAL 464.8-473.3 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIOCENE	A/M	N4	A	A/P	R-F/P		V=1699 ρ=48.5 P=1.89 V=1743 ρ=51.1 P=1.84 V=1786 ρ=50.1 P=1.86	%$CaCO_3$=95.5 %$CaCO_3$=94.3 %$CaCO_3$=89.6	CC 5 4 3 2 1	0.5			OG IW

Stichocorys wolfii

NN1?

?

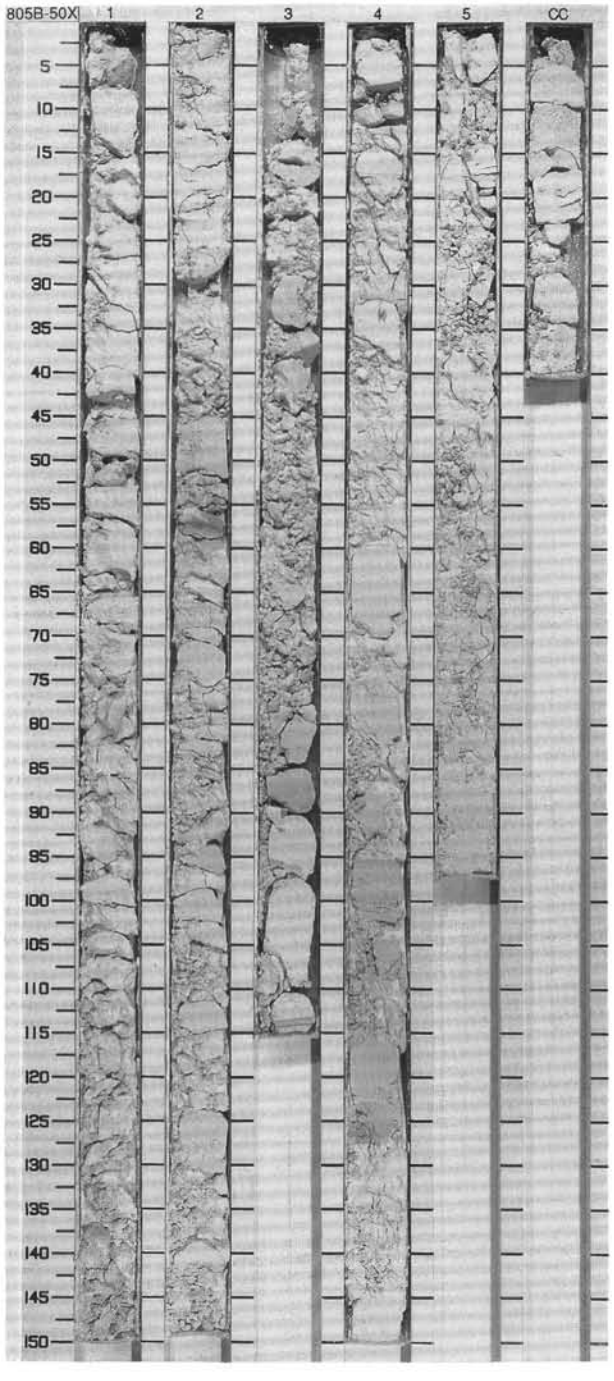
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core consists of white (2.5Y 8/0) NANNOFOSSIL CHALK. Distinct reddish gray (5R 6/1) and pale yellowish green (10GY 7/2) color bands (mm thickness) are present in Sections 2 through 4. The sediment is bioturbated, as indicated by trace fossils and a few pyritized burrow fills, some with halos. Most of the core is moderately to highly fragmented, with intervals containing drilling breccia. Biscuits of chalk are generally imbedded in a stiff matrix of ooze and breccia.

SMEAR SLIDE SUMMARY (%)

	3, 90 D
TEXTURE:	
Sand	7
Silt	60
Clay	33
COMPOSITION:	
Accessory minerals	1
Foraminifers	8
Nannofossils	90
Siliceous fragments	1



SITE 805 HOLE C CORE 1H CORED INTERVAL 0.0-7.8 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
PLEISTOCENE	N22 - N23	NN19	*Anthocyrtidium angulare* or younger	NTD 17 (*Pseudoeunotia doliolus*)	Brunhes; N; N	1: ●V=1571; 2: V=1543●Φ=73.0 ρ=1.47; 3: V=1557●Φ=70.6 ρ=1.51; 4: V=1543●Φ=70.1 ρ=1.51; 5: V=1575●Φ=69.3 ρ=1.50	1: ●%$CaCO_3$=87.4; ●%$CaCO_3$=83.90; 2/3: ●%$CaCO_3$=85.7; 3/4: ●%$CaCO_3$=83.5; 5: ●%$CaCO_3$=87.6	1, 2, 3, 4, 5, CC	0.5, 1.0				* ; OG ; IW
	A/M	A/G	F/M	R/P									

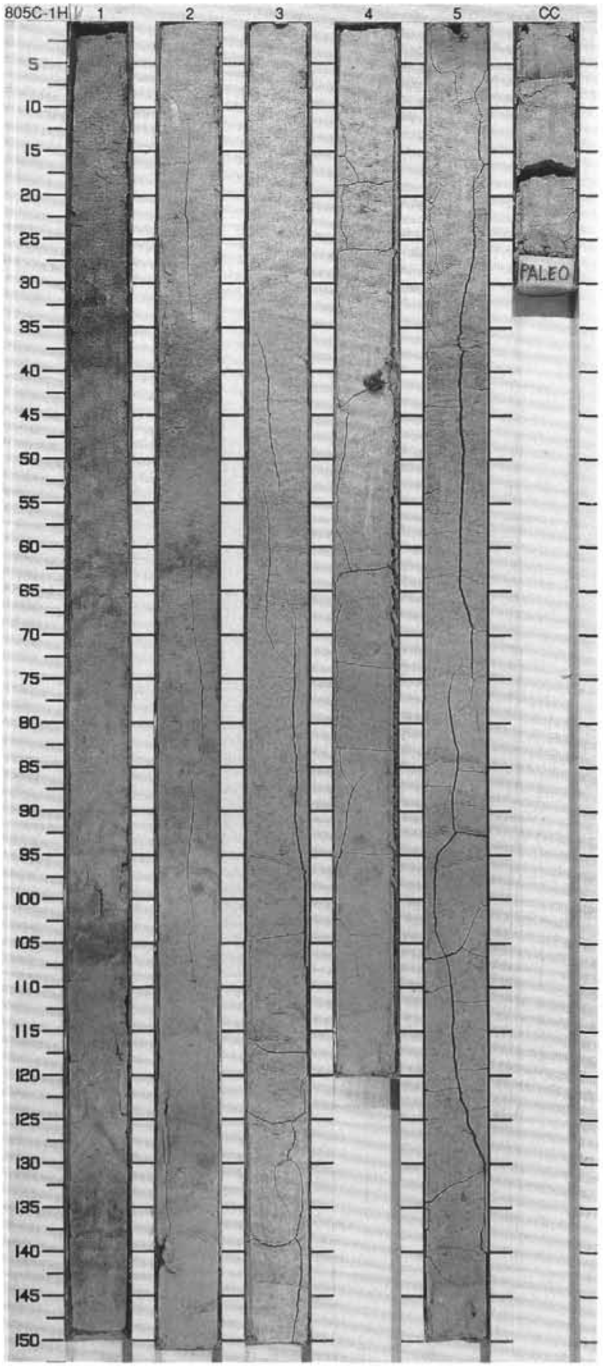
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

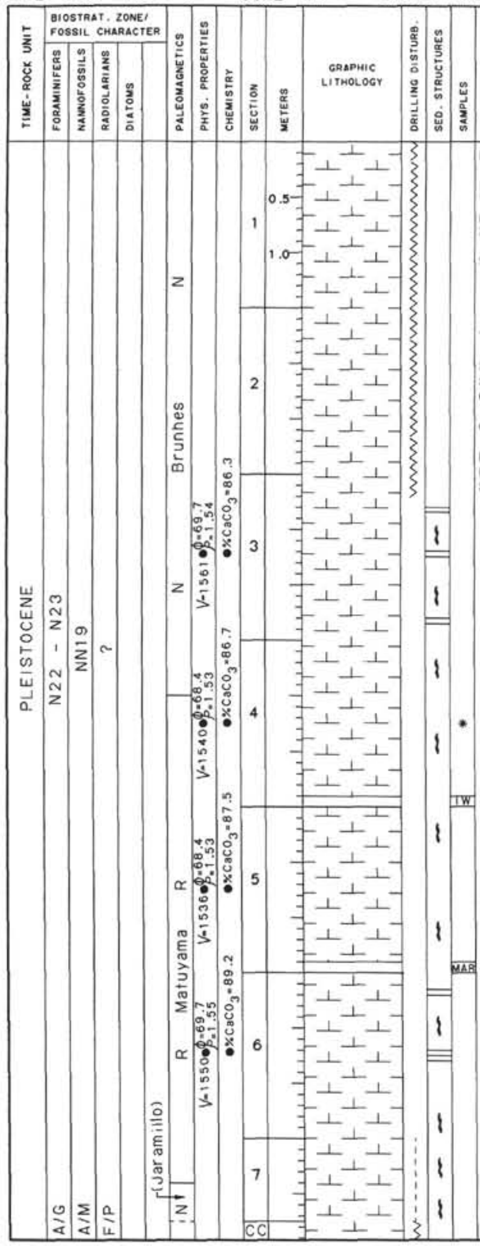
Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. The ooze is pale brown (10YR 6/3) in Sections 1 and 2, white (2.5Y 8/2) in Section 3, 0-110 cm, and white (2.5Y 8/1) from Section 3, 110 cm to the base of the core. The ooze is bioturbated and contains several vertical burrows. From Sections 3 to the base, 3 to 10 cm thick reddish gray (5R 6/2) color bands are spaced at 40 to 60 cm intervals.

SMEAR SLIDE SUMMARY (%):

	2, 82 D
TEXTURE:	
Sand	20
Silt	50
Clay	30
COMPOSITION:	
Accessory minerals	1
Foraminifers	20
Nannofossils	77
Siliceous fragments	2



SITE 805 HOLE C CORE 2H CORED INTERVAL 7.8-17.3 mbsf



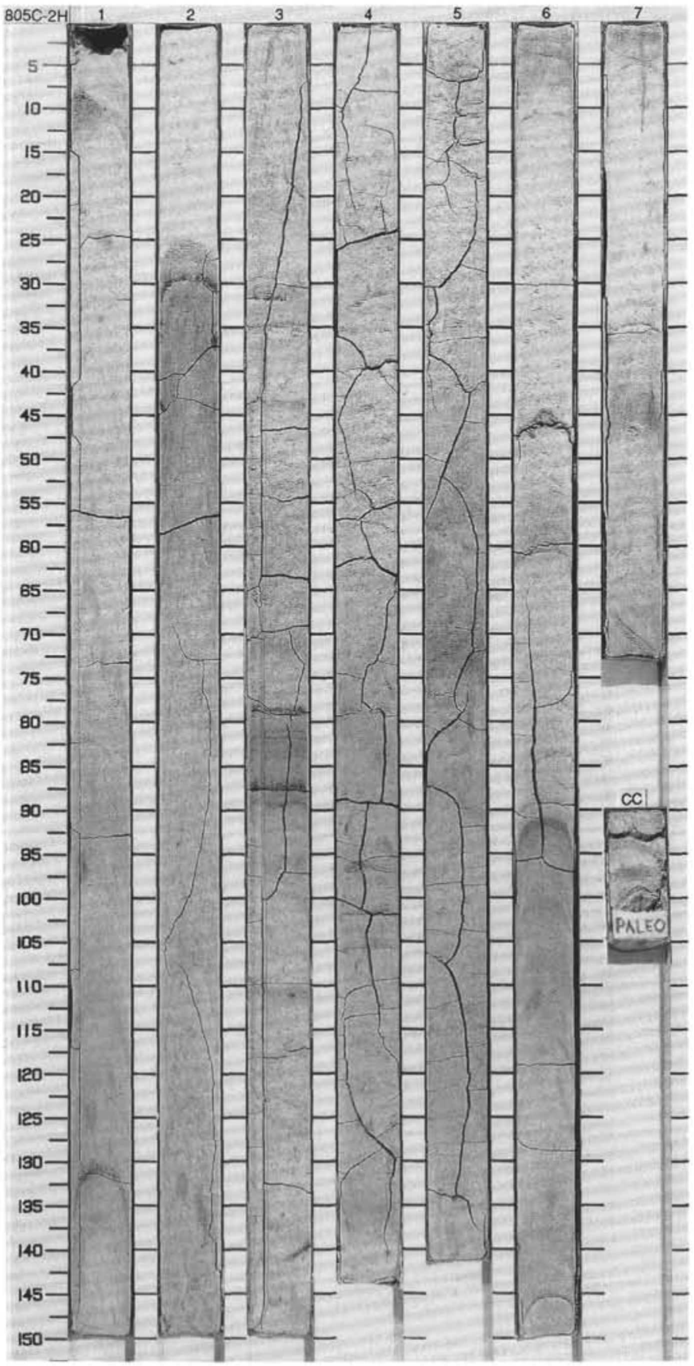
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains bioturbated NANNOFOSSIL OOZE with FORAMINIFERS. The ooze is predominantly white (5Y 8/1) but contains numerous reddish gray (5R 6/1) and pale yellowish green (10GY 7/2) color bands. The bands are 5 to 15 mm thick and are spaced 20 to 30 cm apart. Sections 1 and 2 contain flow-in.

SMEAR SLIDE SUMMARY (%):

	4, 75
	D
TEXTURE:	
Sand	20
Silt	40
Clay	40
COMPOSITION:	
Foraminifers	10
Nannofossils	87
Siliceous fragments	3



SITE 805 HOLE C CORE 3H CORED INTERVAL 17.3-26.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
PLEISTOCENE	A/G N21?	A/G NN19	A/M *Anthocyrtidium angulare*	R/P NTD 16 *Nitzschia reinholdii*	R (Matuyama)	V-1540 ρ=68.3 p=1.55; V-1571; V-1529 ρ=68.6 p=1.55; V-1550 ρ=68.7 p=1.54	%$CaCO_3$=88.8; %$CaCO_3$=88.5; %$CaCO_3$=86.8; %$CaCO_3$=86.1	1–6, CC	0.5, 1.0				OG

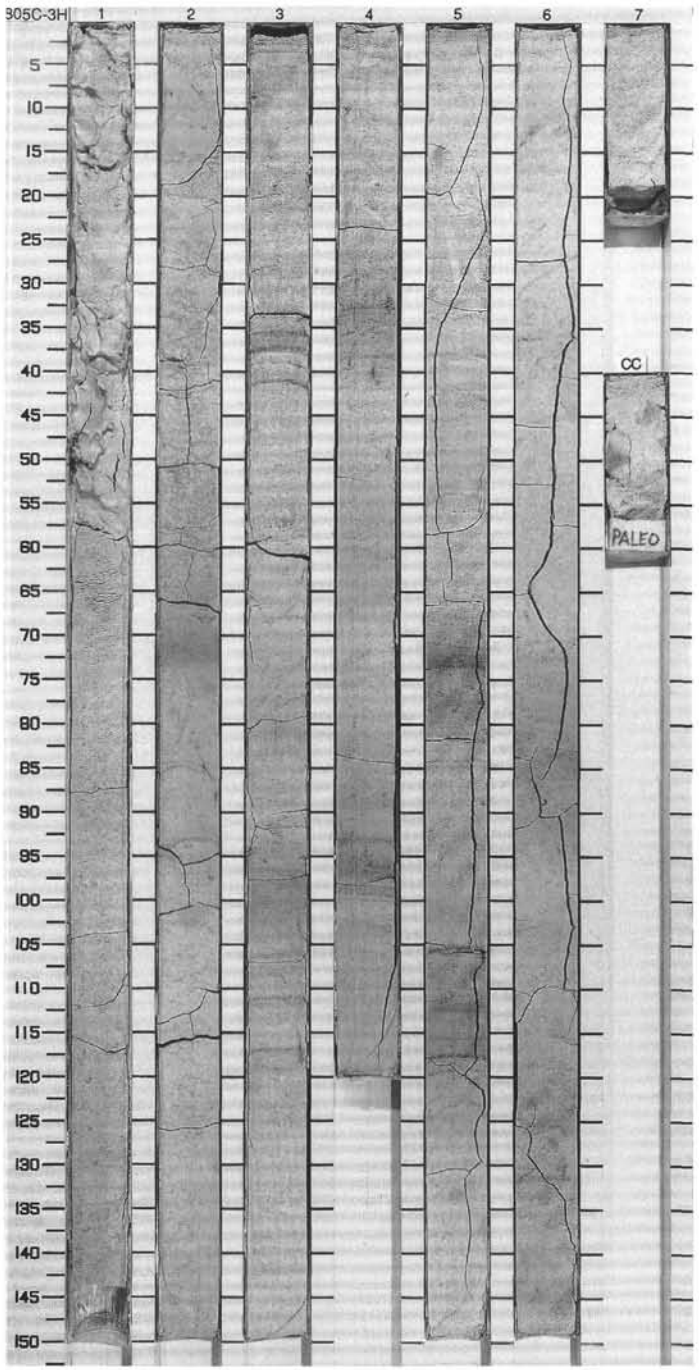
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL OOZE

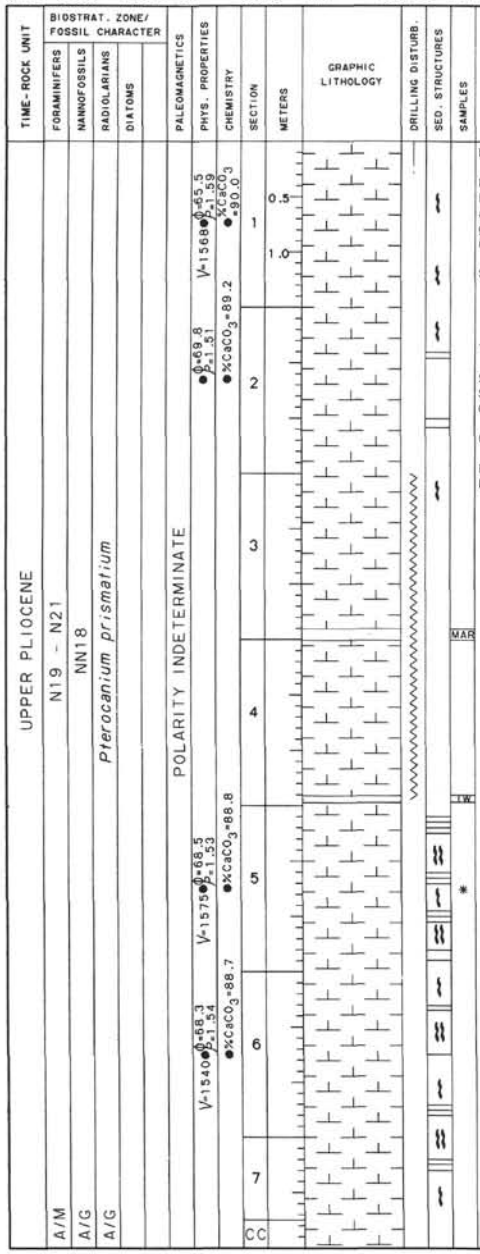
Major lithology: This core contains FORAMINIFER NANNOFOSSIL OOZE. The ooze is homogeneous and predominantly white (2.5Y 8/0). Intervals of faint, reddish gray (5R 6/2) color bands, 10 to 20 cm thick, are spaced 30 to 40 cm apart. The color bands contain thinner (5 to 15 mm thick) reddish gray and pale yellowish green (10GY 7/2) intervals. The sediment is bioturbated, with some of the burrow fill distinctly coarser than the surrounding ooze. Pyrite specks and streaks also are present.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	15
Silt	60
Clay	25
COMPOSITION:	
Foraminifers	26
Nannofossils	71
Siliceous fragments	2



SITE 805 HOLE C CORE 4H CORED INTERVAL 26.8-36.3 mbsf



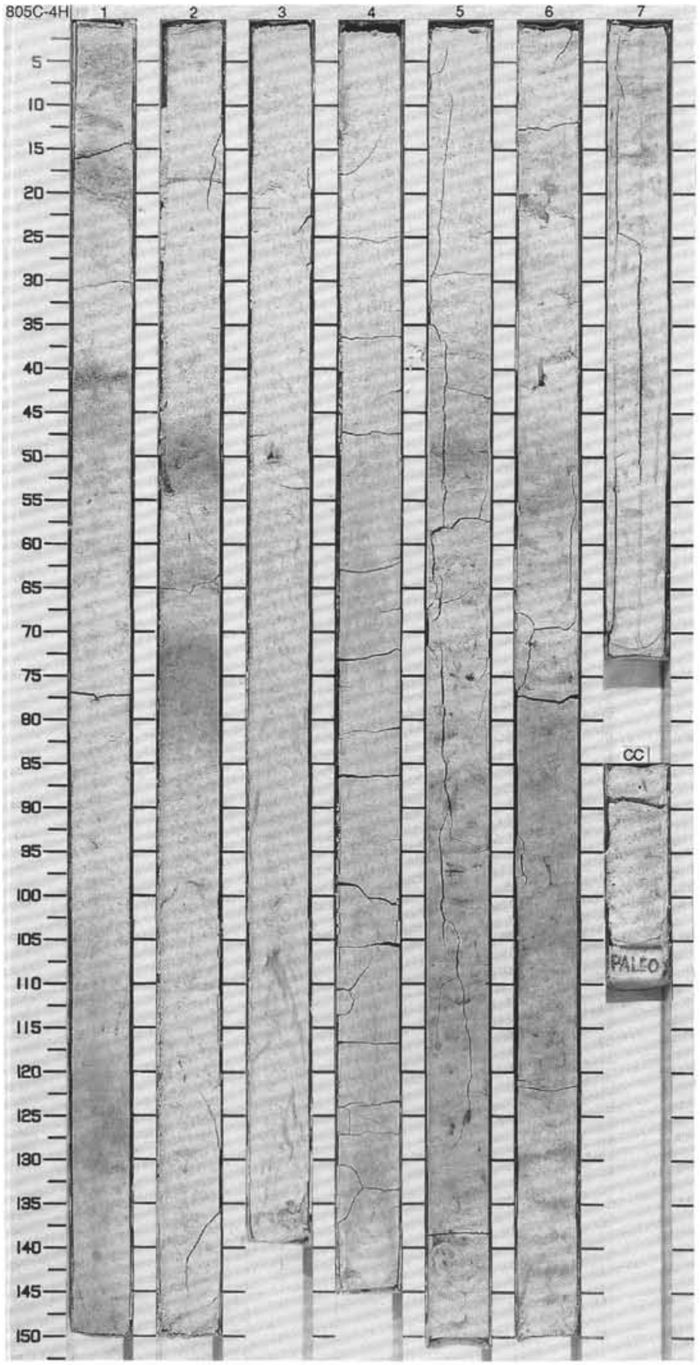
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core consists of white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Sections 3 and 4 contain flow-in. The sediment is moderately to heavily bioturbated, as indicated by light gray (2.5Y 7/2) mottles, burrow fills and pyritized burrow fills. Reddish gray (5R 6/1) and pale yellowish green (10GY 7/2) color bands (mm to cm scale) are common in Sections 1 and 2, and abundant in Sections 5, 6, and 7.

SMEAR SLIDE SUMMARY (%):

	5, 75
	D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Foraminifers	10
Nannofossils	90



SITE 805 HOLE C CORE 5H CORED INTERVAL 36.3-45.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER PLIOCENE	C/P N21	A/G NN17	A/M *Pterocanium prismatium*	A/G NTD 15 *(Rhizosolenia praebergonii)*		V-1561 ρ=70.8 P=1.44 ●%$CaCO_3$=89.5 V-1575 ρ=69.9 P=1.52 ●%$CaCO_3$=91.5 V-1586 ρ=66.9 P=1.55 ●%$CaCO_3$=92.1 V-1543 ρ=64.3 P=1.58 ●%$CaCO_3$=90.3 V-1543 ρ=67.7 P=1.56 ●%$CaCO_3$=81.1		1 2 3 4 5 6 7 CC	0.5 1.0	VOID			TW

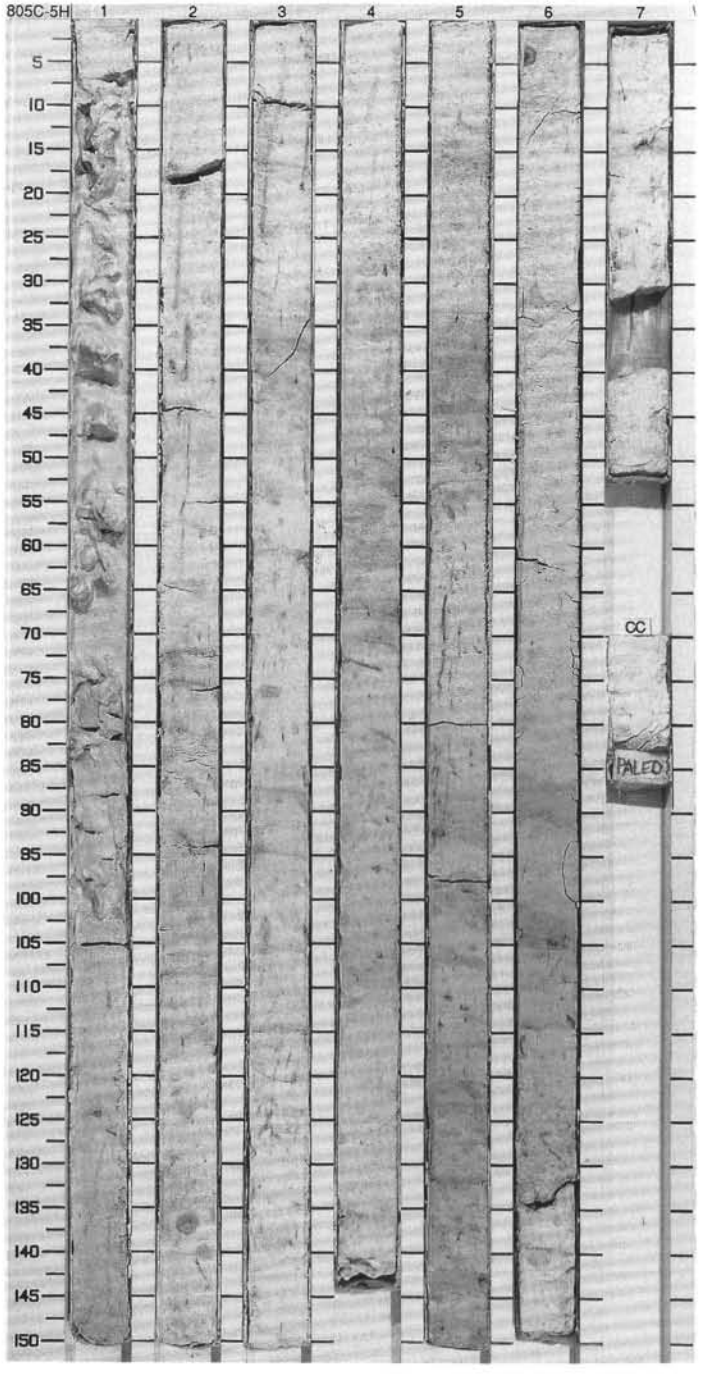
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: This core contains NANNOFOSSIL OOZE. The sediment is white (5Y 8/1 to 2.5Y 8/0), with minor to abundant light gray (5Y 7/1) and light olive gray (5Y 6/2) mottling throughout. Diffuse to well-defined light gray (N7/), light greenish gray (5G 7/1), greenish gray (5G 6/1), grayish blue (5PB 5/2), and pale blue (5PB 7/2) color bands are common. A pyrite concretion, approximately 0.5 cm in diameter, was recovered at Section 2, 25 cm.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	5
Silt	60
Clay	35
COMPOSITION:	
Diatoms	3
Foraminifers	8
Nannofossils	83
Radiolarians	3
Siliceous fragments	3



SITE 805 HOLE C CORE 6H CORED INTERVAL 45.8-55.3 mbsf

NANNOFOSSIL OOZE

Major lithology: This core consists of white (5Y 8/1) NANNOFOSSIL OOZE. Moderate to heavy bioturbation is indicated by light gray (5Y 7/1 and 5Y 7/2) mottles and pyritized burrow fills. Diffuse light gray/gray (7.5YR 5/2 and 7.5YR 6/0) and light greenish gray (5GY 7/1) color bands are common throughout.

SMEAR SLIDE SUMMARY (%):

	4, 82 D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Diatoms	1
Foraminifers	6
Nannofossils	90
Radiolarians	1
Silicoflagellates	1
Spicules	1

SITE 805 HOLE C CORE 7H CORED INTERVAL 55.3-64.8 mbsf

Field	Entry
TIME-ROCK UNIT	UPPER PLIOCENE
BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS	N19 - N20; A/G
NANNOFOSSILS	NN16; A/G
RADIOLARIANS	
DIATOMS	NTD 15 / NTD 14; A/G
PALEOMAGNETICS	
PHYS. PROPERTIES	Section 6: φ=67.6, ρ=1.57, V=1550; Section 7: φ=66.5, ρ=1.59, V=1536
CHEMISTRY	Section 6: %CaCO3=91.5; Section 7: %CaCO3=93.9
SECTION	1, 2, 3, 4, 5, 6, 7, CC
METERS	0.5, 1.0
SAMPLES	* (Section 4)

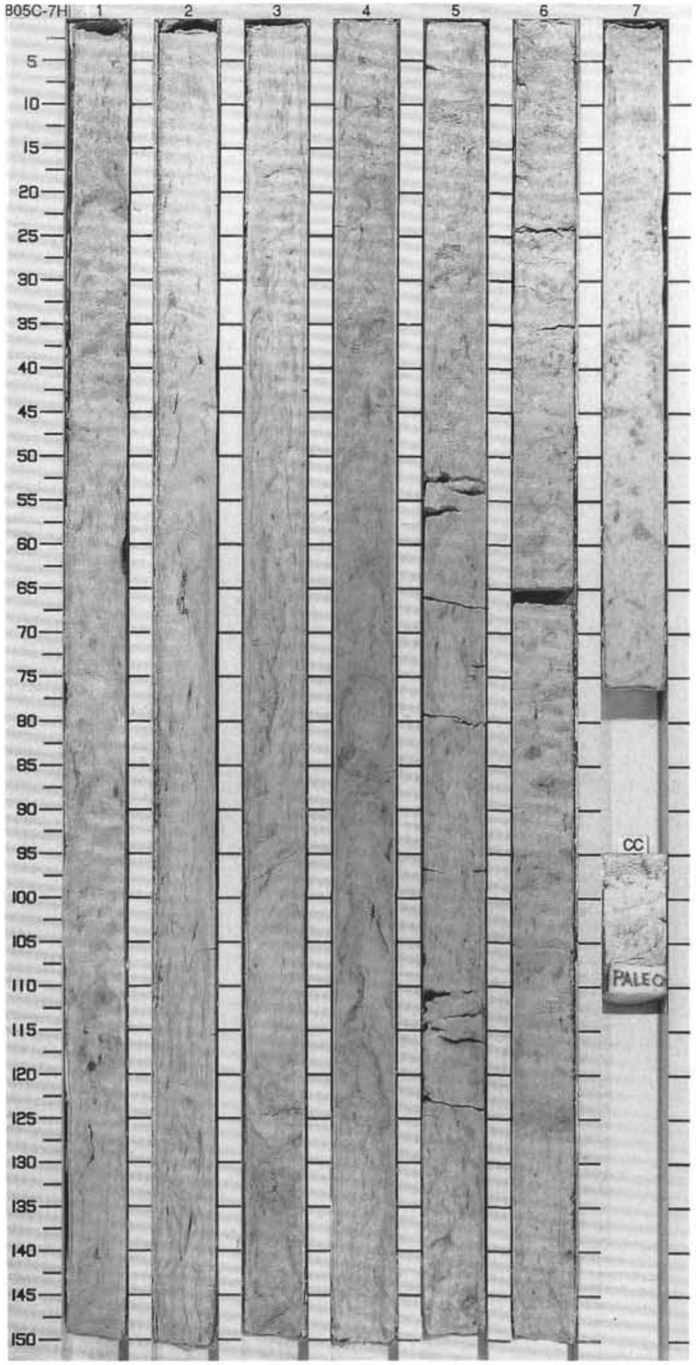
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Sections 1 through 5 are flow in. In Section 1, the intervals 13-44 cm, 87-91 cm and 115-122 cm may be coherent. The distortion is less in Section 5, with vertical displacements varying between 3 and 10 cm. The remainder of the core is undisturbed. Light gray (N7/) and light greenish gray (5GY 7/1) mottling is common throughout the core.

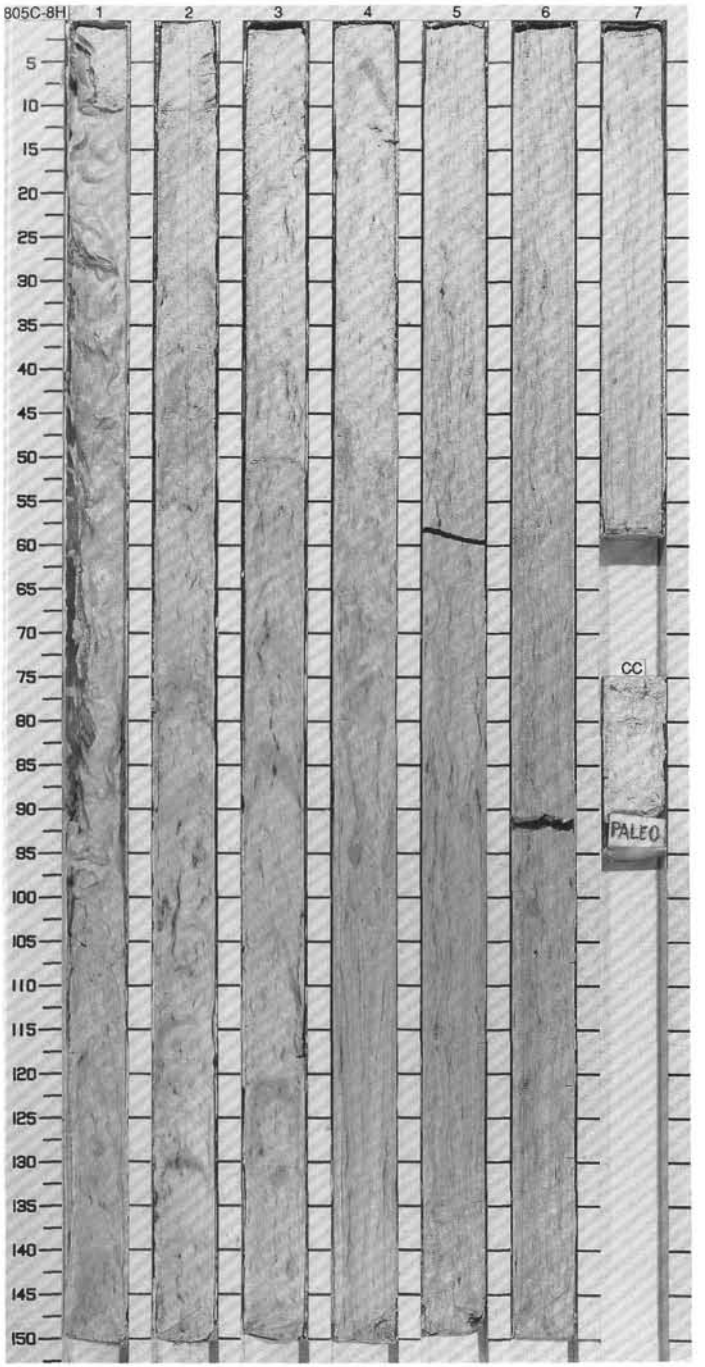
SMEAR SLIDE SUMMARY (%):

	4, 42 D
TEXTURE:	
Sand	13
Silt	60
Clay	27
COMPOSITION:	
Bioclast	Tr
Foraminifers	10
Nannofossils	87
Radiolarians	3
Spicules	Tr
Volcanic ash	Tr



SITE 805 HOLE C CORE 8H CORED INTERVAL 64.8-74.3 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	LITHOLOGIC DESCRIPTION
UPPER PLIOCENE	A/G	A/G	A/G					1	0.5					NANNOFOSSIL OOZE with FORAMINIFERS Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The whole core is flow in. Burrow mottles and remnants of light gray (5Y 7/2), light greenish gray (5GY 7/1) and light gray (N7/1) color bands are visible. SMEAR SLIDE SUMMARY (%): 2, 97 D TEXTURE: Sand 15 Silt 85 COMPOSITION: Foraminifers 10 Nannofossils 88 Radiolarians 2
N19 - N20		NN16							1.0					
		Spongaster pentas						2					*	
								3						
								4						
								5						
								6						
								7						
								CC						



SITE 805 HOLE C CORE 9H CORED INTERVAL 74.3-83.8 mbsf

	LOWER PLIOCENE	TIME-ROCK UNIT
A/G	N18 - N19	FORAMINIFERS
A/M	NN14 - NN15	NANNOFOSSILS
A/M	*Spongaster pentas*	RADIOLARIANS
A/G	NTD 14 *(Nitzschia jouseae)*	DIATOMS
		BIOSTRAT. ZONE/ FOSSIL CHARACTER
		PALEOMAGNETICS
	V=1543 Φ=64.5 ρ=1.60 ● Φ=65.5 ρ=1.60 V=1540 V=1519 Φ=72.0 ρ=1.4 V=1550 Φ=63.8 ρ=1.62 V=1540 Φ=64.2 ρ=1.62 V=1519 Φ=67.4 ρ=1.56 V=1536 Φ=66.4 ρ=1.57	PHYS. PROPERTIES
	%CaCO3=89.9 ● %CaCO3=89.4 ● %CaCO3=87.1 ● %CaCO3=87.1 ● %CaCO3=90.5 ● %CaCO3=88.0 ● %CaCO3=91.5	CHEMISTRY
	CC 7 6 5 4 3 2 1	SECTION
	1.0 0.5	METERS
		GRAPHIC LITHOLOGY
		DRILLING DISTURB.
		SED. STRUCTURES
	CC TW DC *	SAMPLES

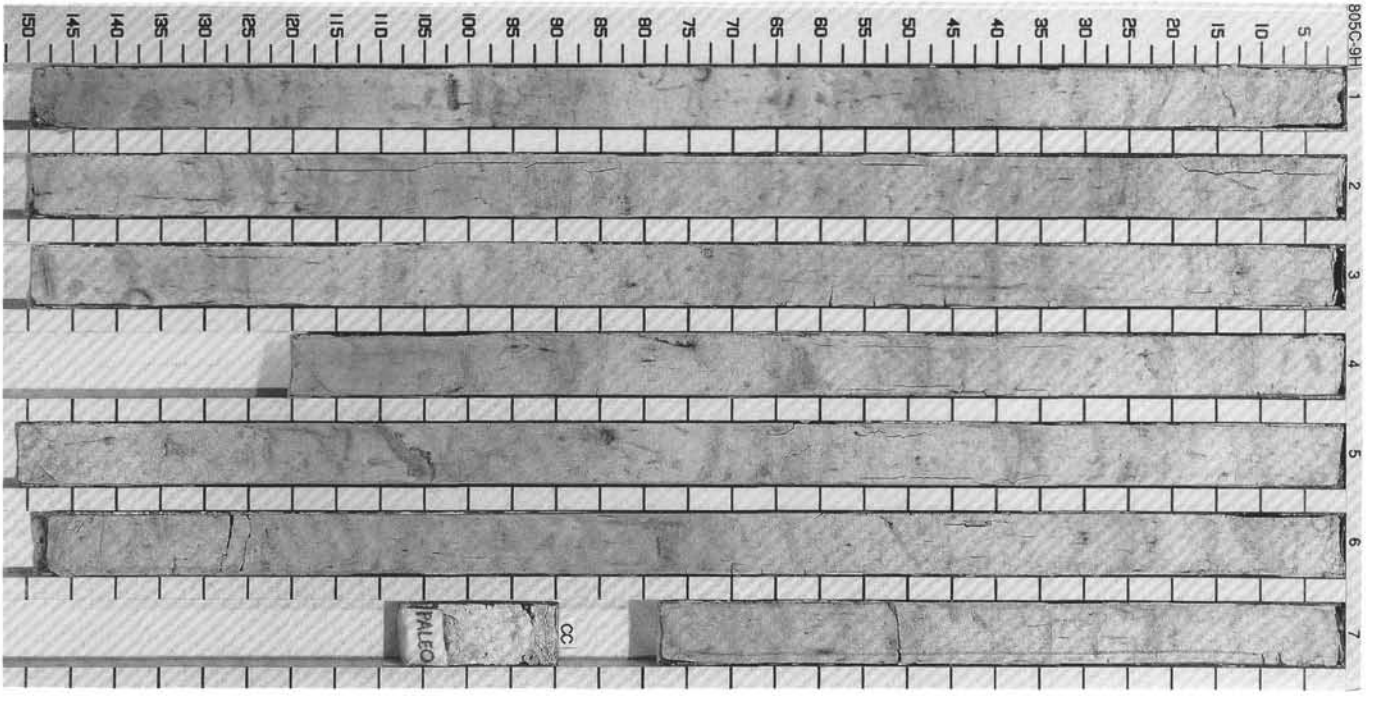
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: The core consists of white (2.5Y 8/0) to light gray (5Y 7/1) NANNOFOSSIL OOZE. The sediments are heavily to moderately bioturbated as indicated by abundant light gray (2.5Y 7/2 and 5Y 7/1) and grayish blue (5PB 5/2) mottling. Faint pale yellowish green (10GY 7/2), light gray ((N7/) and light greenish gray (5GY 7/1) color bands are common throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 70 D
TEXTURE:	
Sand	15
Silt	85
COMPOSITION:	
Foraminifers	8
Nannofossils	90
Radiolarians	2



SITE 805 HOLE C CORE 10H CORED INTERVAL 83.8-93.3 mbsf

TIME-ROCK UNIT: LOWER PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: A/M — N18 - N19
- NANNOFOSSILS: A/M — NN14 - NN15
- RADIOLARIANS: C/P — *Spongaster pentas*
- DIATOMS

PALEOMAGNETICS

PHYS. PROPERTIES: V-1550 Φ-62.3 P-1.65; V-1540 Φ-65.1 P-1.61

CHEMISTRY: %$CaCO_3$=91.8; %$CaCO_3$*

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 (2.5Y 8/0) to light gray (2.5Y 7/1) NANNOFOSSIL OOZE with FORAMINIFERS, with cm scale, light gray (5Y 7/1) mottling. Additional bioturbation is indicated by mm to cm scale pyritic burrow fillings and burrow "halos". Diffuse light gray (N7/) and light greenish gray (5GY 7/1) color bands are common.

SMEAR SLIDE SUMMARY (%):

	4, 100 D
TEXTURE:	
Sand	18
Silt	82
COMPOSITION:	
Foraminifers	15
Nannofossils	82
Radiolarians	3

SITE 805 HOLE C CORE 11H CORED INTERVAL 93.3-102.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER PLIOCENE	A/M N18 - N19	A/M NN12 - NN13	A/M *Spongaster pentas*	A/G NTD 13 *Thalassiosira convexa*				1 2 3 4 5 6 7 CC	0.5 1.0				*

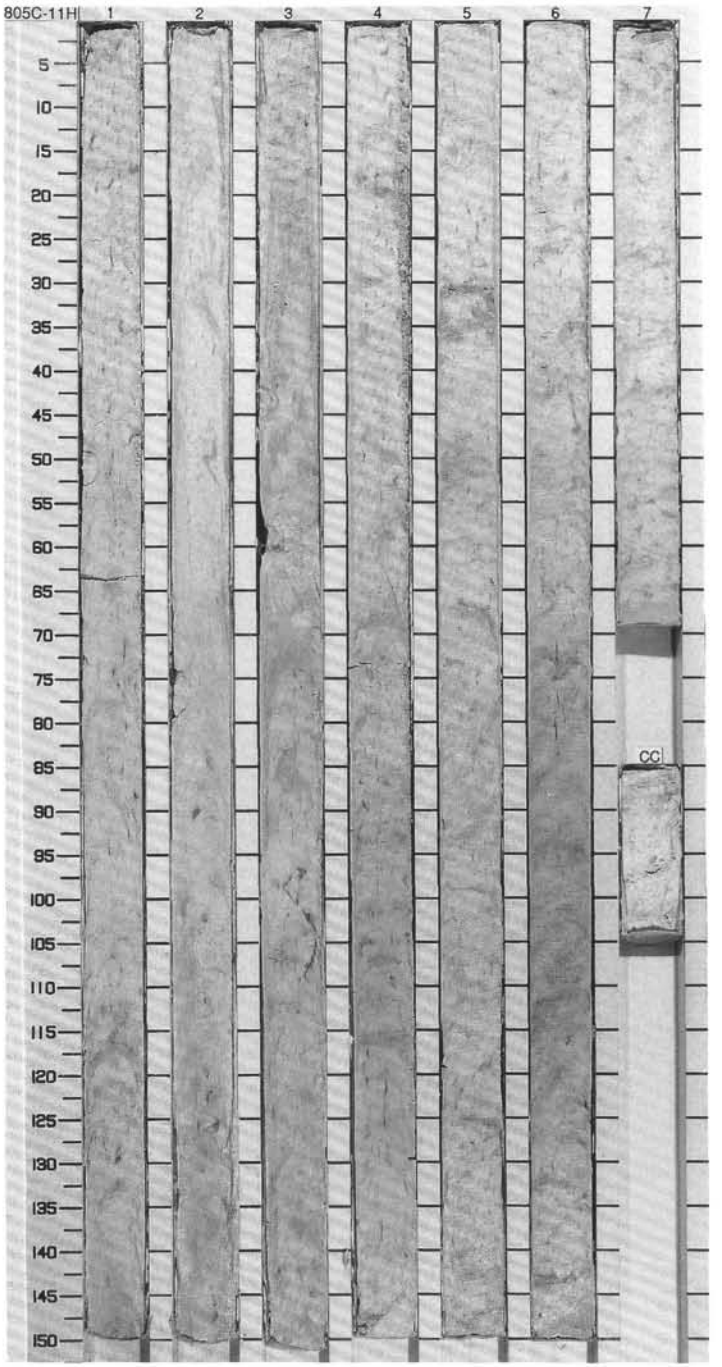
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0 to 5Y 8/1) NANNOFOSSIL OOZE with FORAMINIFERS. The core is moderately to heavily bioturbated, as indicated by light gray (5Y 7/1), grayish blue (5PB 5/2), and light greenish gray (5GY 7/1) mottling. Diffuse color bands of the same colors also are present.

SMEAR SLIDE SUMMARY (%):

	4, 63 D
TEXTURE:	
Sand	18
Silt	80
Clay	2
COMPOSITION:	
Foraminifers	15
Nannofossils	80
Radiolarians	3



TIME-ROCK UNIT
LOWER PLIOCENE
BIOSTRAT. ZONE/ FOSSIL CHARACTER
FORAMINIFERS
A/M
N18 - N19
NANNOFOSSILS
A/M
NN12
RADIOLARIANS
A/M
Didymocyrtis penultima - Stichocorys peregrina
DIATOMS
A/G
NTD 13
PALEOMAGNETICS
PHYS. PROPERTIES
CHEMISTRY
SECTION
METERS
GRAPHIC LITHOLOGY
DRILLING DISTURB.
SED. STRUCTURES
SAMPLES
LITHOLOGIC DESCRIPTION
NANNOFOSSIL OOZE with FORAMINIFERS
Major lithology: This core contains white (2.5Y 8/0 to 5Y 8/1)) NANNOFOSSIL OOZE with FORAMINIFERS. The core is moderately to heavily bioturbated, as indicated by light gray (5Y 7/1 to 5Y 7/2), grayish blue (5PB 5/2), pale purple (5P 6/2) and light greenish gray (5GY 7/1) mottling and pyritic burrow fills. Diffuse color bands of the same colors also are present.
SMEAR SLIDE SUMMARY (%):
3, 100
D
TEXTURE:
Sand 30
Silt 65
Clay 5
COMPOSITION:
Foraminifers 22
Nannofossils 75
Radiolarians 3

805C-12H
1
2
3
4
5
6
7
CC
PALEO

SITE 805 HOLE C CORE 13H CORED INTERVAL 112.3-121.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER PLIOCENE	N18; A/G	NN12; A/P		NTD 13; A/G		V=1554 ●Φ=64.6 ρ=1.61	●%CaCO3=90.7	1, 2, 3	0.5, 1.0				* (Section 3)
						V=1554 ●Φ=61.0 ρ=1.67	●%CaCO3=91.1	4					
						V=1586 ●Φ=60.8 ρ=1.69	●%CaCO3=91.1	5					
						●Φ=62.9 ρ=1.65 V=1579	●%CaCO3=91.4	6					
						●Φ=63.9 ρ=1.63	●%CaCO3 =88.3	7, CC					

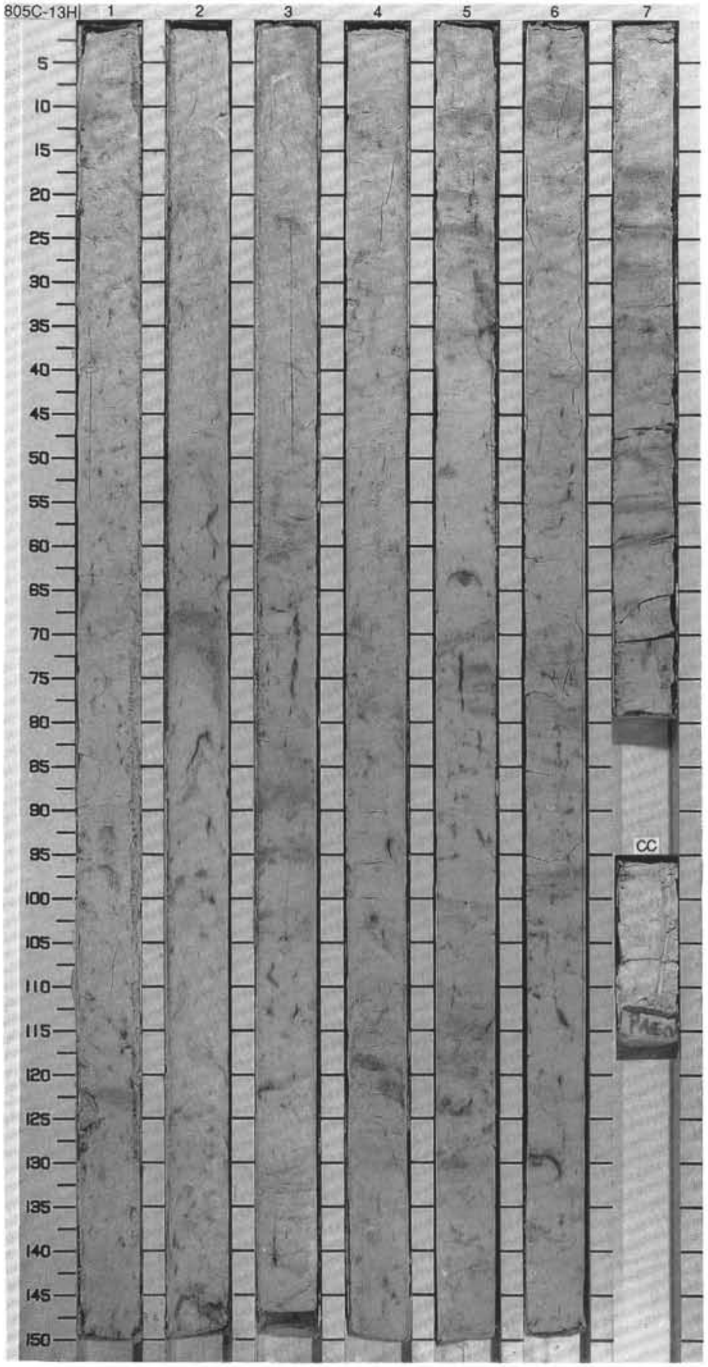
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

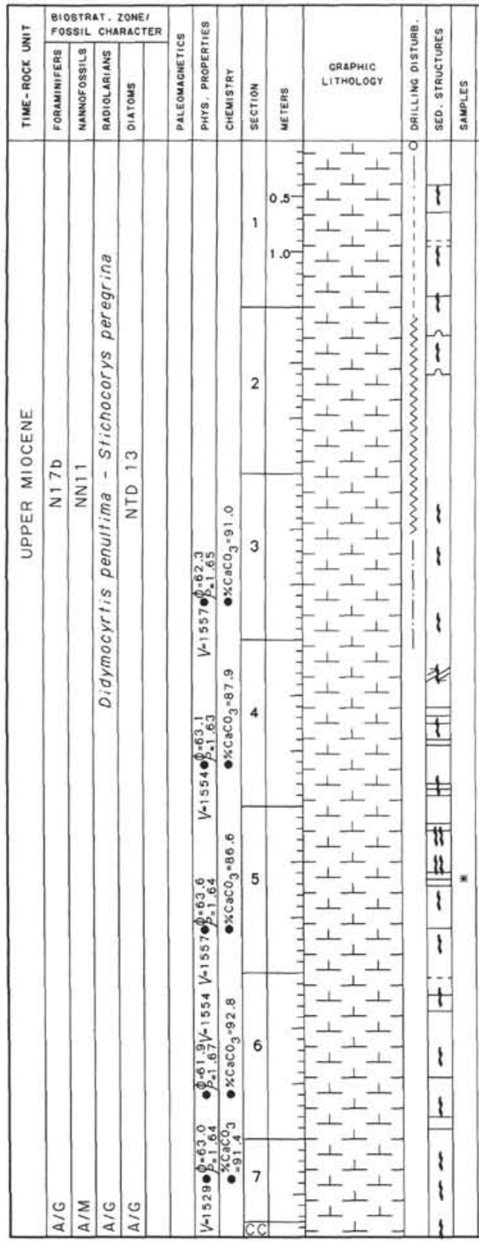
Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE. The core is moderately bioturbated, as indicated by pale purple (5P 6/2), light gray (5Y 7/2) and grayish blue (5PB 5/2) mottling and burrow fills. Diffuse pale purple (5P 6/2), light gray (5Y 7/2), and light greenish gray (5G 7/1) color bands also are present.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	1
Silt	95
Clay	4
COMPOSITION:	
Foraminifers	5
Nannofossils	94
Spicules	1



SITE 805 HOLE C CORE 14H CORED INTERVAL 121.8-131.3 mbsf



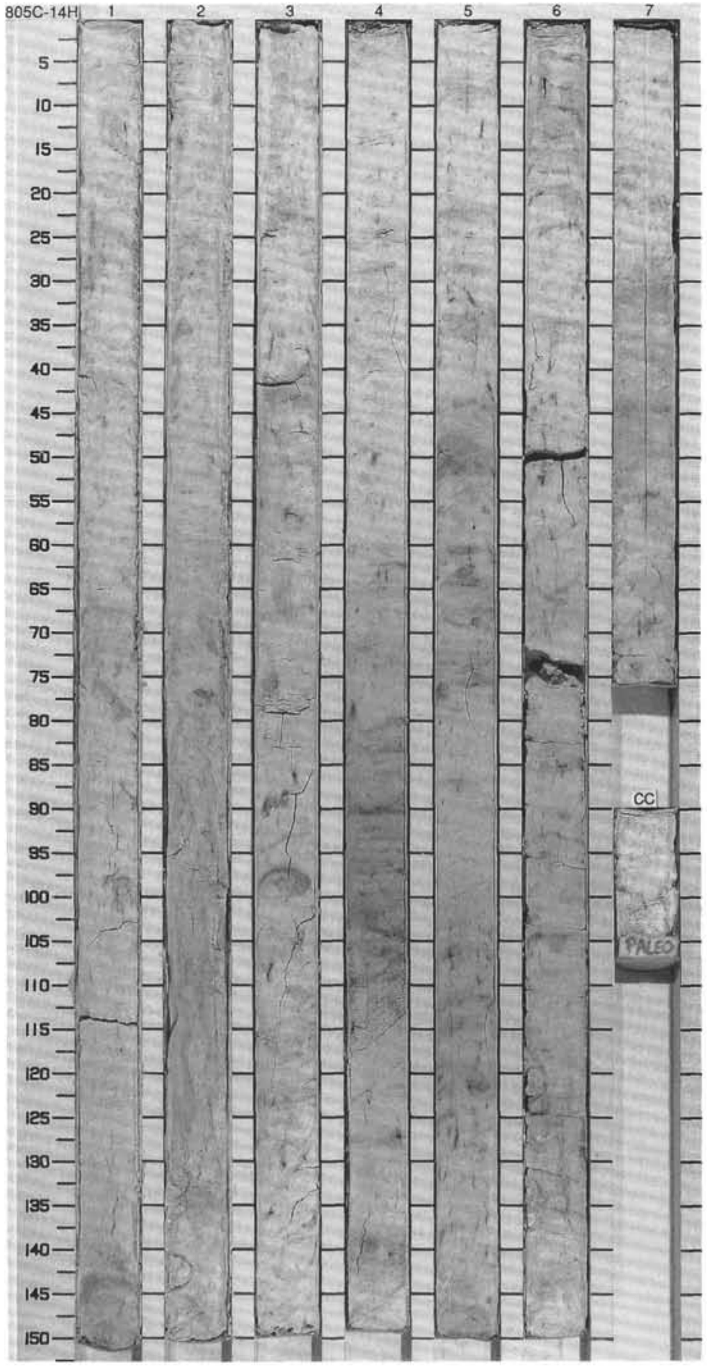
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE. Section 2 to Section 3, 55 cm, is flow in. Microfaulted color bands are present in Section 4, 20-40 cm. The core is moderately bioturbated, as indicated by pale purple (5P 6/2) and light gray (5Y 7/2) mottling and burrow fills. Diffuse pale purple (5P 6/2), light gray (5Y 7/2), and light greenish gray (5G 7/1) color bands are also present.

SMEAR SLIDE SUMMARY (%):

	5, 57
	D
TEXTURE:	
Sand	5
Silt	90
Clay	5
COMPOSITION:	
Foraminifers	5
Nannofossils	94
Radiolarians	1
Silicoflagellates	Tr



SITE 805 HOLE C CORE 15H CORED INTERVAL 131.3-140.8 mbsf

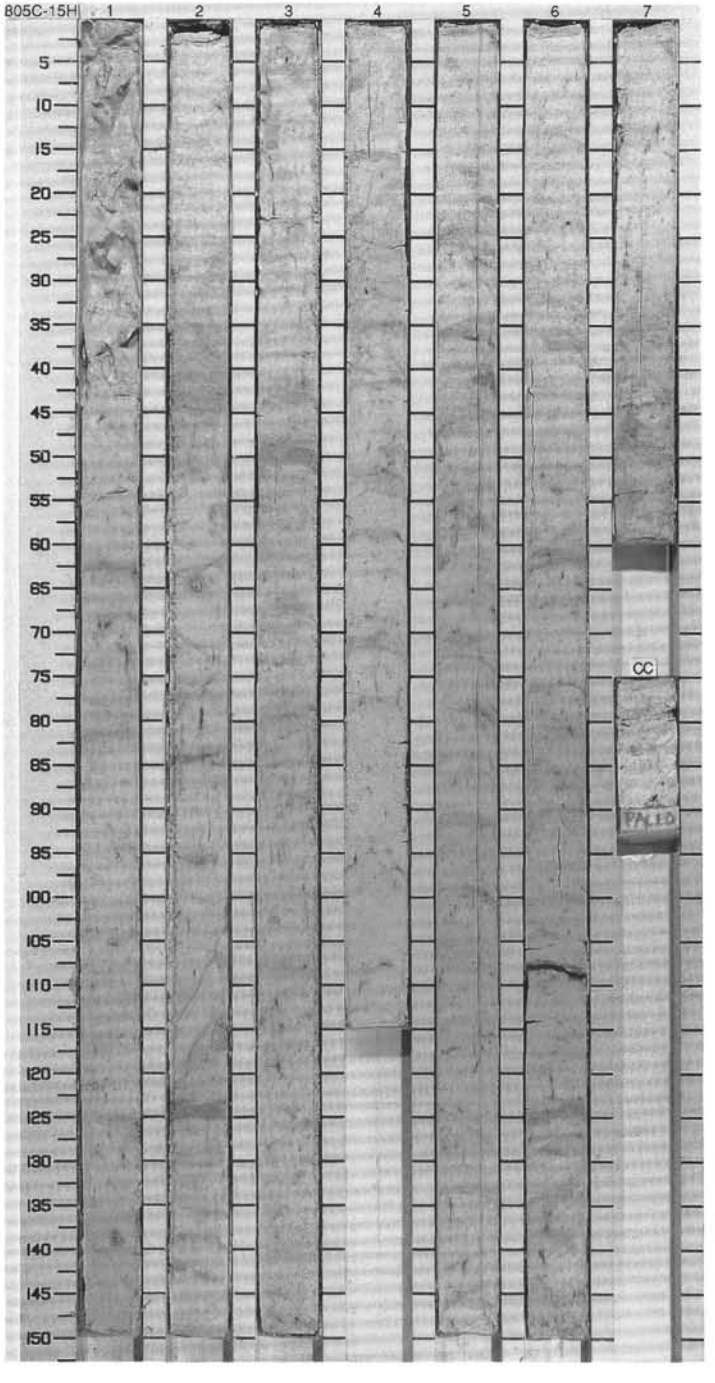
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER MIOCENE	A/G N17b	A/P NN11				V-1571 ρ=62.8 P=1.64 V-1568 ρ=59.5 P=1.69 V-1557 ρ=61.4 P=1.67 V-1568 ρ=60.6 P=1.68 V-1554 ρ=61.7 P=1.67 V-1571 ρ=60.6 P=1.68	%CaCO3=95.3 %CaCO3=93.5 %CaCO3=94.0 %CaCO3=93.3 %CaCO3=90.6 %CaCO3=91.4	1 2 3 4 5 6 7 CC	0.5 1.0				OG IW	

NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE. The core is moderately to heavily bioturbated, as indicated by pale purple (5P 6/2), pale yellow (2.5Y 7/4) and light gray (5Y 7/2) mottling and burrow fills. Diffuse pale purple (5P 6/2), light gray (5Y 7/2) and light greenish gray (5G 7/1) color bands, a few of which are steeply inclined and cross horizontal structures, are common.

SMEAR SLIDE SUMMARY (%):

	4, 78 D
TEXTURE:	
Sand	1
Silt	95
Clay	4
COMPOSITION:	
Foraminifers	5
Nannofossils	94
Silicoflagellates	Tr
Spicules	1



SITE 805 HOLE C CORE 16H CORED INTERVAL 140.8-150.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	A/G	N17b	A/P	NN11	A/G	*Didymocyrtis penultima - Stichocorys peregrina*							

V-1568 ϕ=60.9 ρ=1.67 ●%$CaCO_3$=92.5
V-1579 ϕ=60.9 ρ=1.67 ●%$CaCO_3$=93.0
ϕ=48.4 ρ=1.89 ●%$CaCO_3$=94.0
V-1599 ●%$CaCO_3$=93.7
V-1557 ϕ=61.3 ρ=1.67 ●%$CaCO_3$=94.2
V-1554 ϕ=61.0 ρ=1.67 ●%$CaCO_3$=93.0

1 0.5 1.0 2 3 4 5 6 7 CC

LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is moderately to heavily bioturbated, as indicated by light gray (5Y 7/2) and pale purple (5P 6/2) mottling and burrow fills. Pyritization of single burrows, and pale purple (5P 6/2) halos around burrows are seen. Diffuse pale purple (5P 6/2), light gray (5Y 7/2), light greenish gray (5G 7/1), and pale blue green (5BG 7/2) color bands are common. Microfaults often offset color bands.

SMEAR SLIDE SUMMARY (%):

	3, 100 D
TEXTURE:	
Sand	15
Silt	80
Clay	5
COMPOSITION:	
Foraminifers	10
Nannofossils	85
Radiolarians	3
Silicoflagellates	2

SITE 805 HOLE C CORE 17H CORED INTERVAL 150.3-159.8 mbsf

TIME-ROCK UNIT: UPPER MIOCENE

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

PALEOMAGNETICS

PHYS. PROPERTIES: V-1543 Φ=61.8 ρ=1.62; V-1543 Φ=61.3 ρ=1.67; V-1557 Φ=60.5 ρ=1.69; V-1579 Φ=61.6 ρ=1.66; V-1554 Φ=58.5 ρ=1.71; V-1550 Φ=61.6 ρ=1.67

CHEMISTRY: %$CaCO_3$=93.5; %$CaCO_3$=93.5; %$CaCO_3$=93.6; %$CaCO_3$=93.0; %$CaCO_3$=93.5; %$CaCO_3$=92.7

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: *

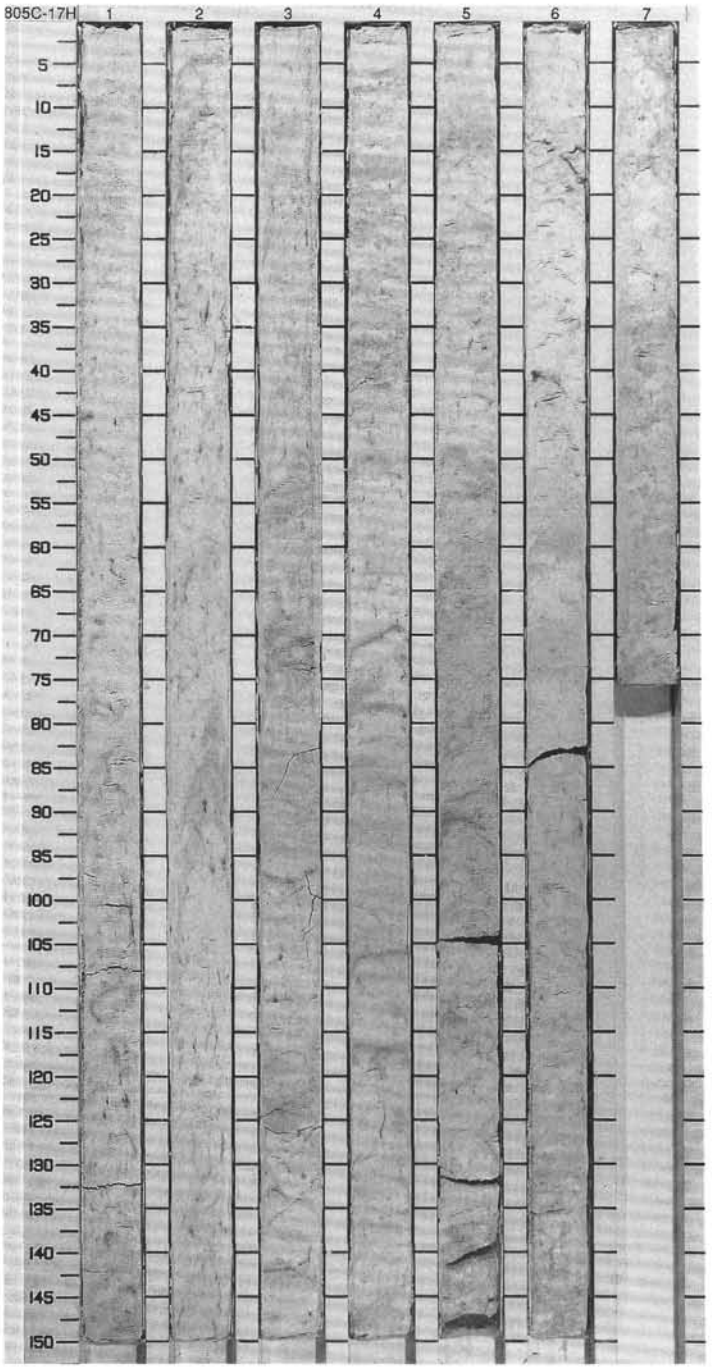
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The sediment is slightly to heavily bioturbated and has light gray (5Y 7/2) and pale purple (5P 6/2) mottling. Diffuse pale purple (5P 6/2), very pale blue (5B 8/2), and grayish blue (5PB 5/2) color bands are present throughout the core and abundant in Section 4. Some color bands are microfaulted, but they may have been distorted during drilling.

SMEAR SLIDE SUMMARY (%):

	3, 100 D
TEXTURE:	
Sand	30
Silt	65
Clay	5
COMPOSITION:	
Foraminifers	23
Nannofossils	73
Radiolarians	3
Silicoflagellates	1



SITE 805 HOLE C CORE 18H CORED INTERVAL 159.8-169.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	A/G	N17a	NN11	A/G *Didymocyrtis antepenultima* A/G		V=1554 ρ=59.6 ρ=1.70 V=1575 ρ=60.2 ρ=1.68 V=1557 ρ=54.8 ρ=1.78 V=1557 ρ=58.7 ρ=1.72 V=1564 ρ=60.5 ρ=1.69 V=1550 ρ=60.0 ρ=1.69	%$CaCO_3$=94.3 %$CaCO_3$=93.9 %$CaCO_3$=92.7 %$CaCO_3$=94.5 %$CaCO_3$=94.0 %$CaCO_3$=93.7	1 2 3 4 5 6 7 CC	0.5 1.0				OG IW *

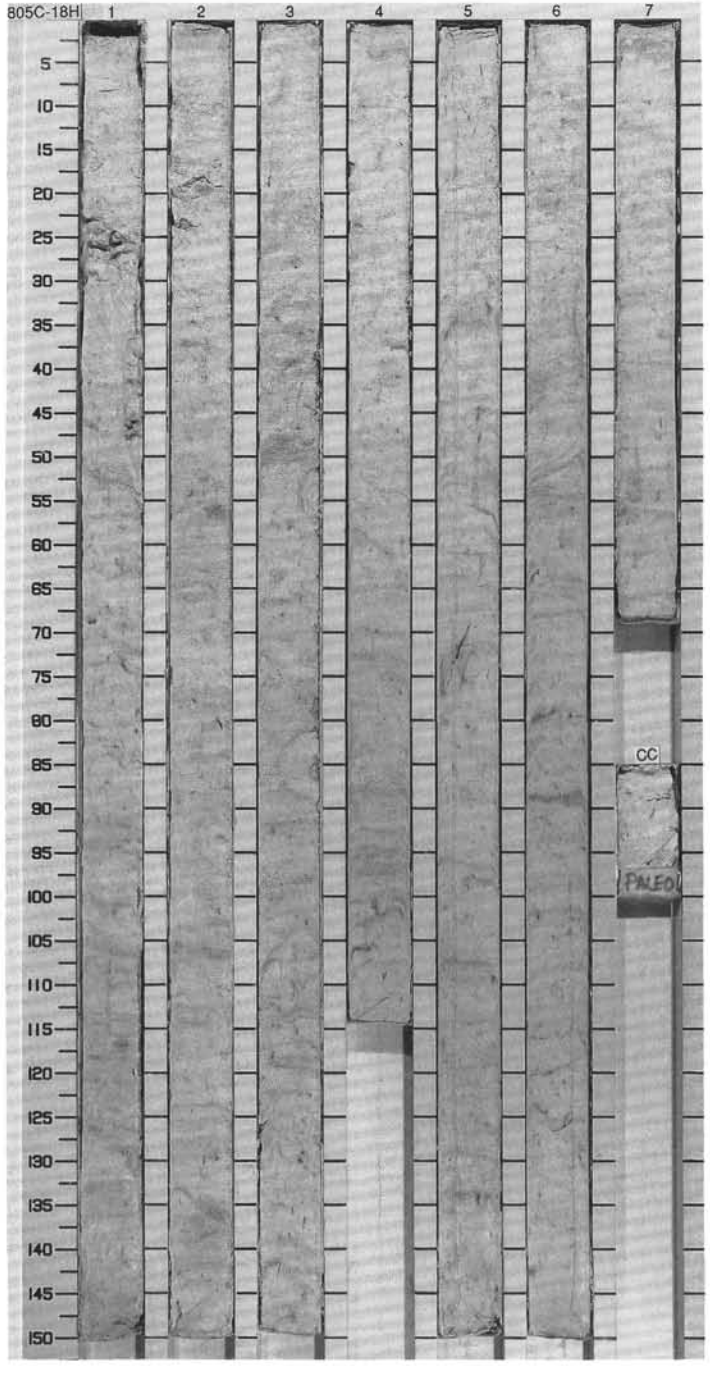
LITHOLOGIC DESCRIPTION

FORAMINIFERAL NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0) FORAMINIFERAL NANNOFOSSIL OOZE. The sediment is slightly to heavily bioturbated and has light gray (5Y 7/2), pale purple (5P 6/2) and light olive brown (2.5Y 5/4) mottles. Diffuse pale purple (5P 6/2), pale blue (5PB 7/2), and light greenish gray (5G 7/1) color bands are present throughout the core. Some color bands in Section 1, 60-80 cm, are micro-faulted. In Section 3, several large (about 7 cm in diameter), pale purple burrow halos are present.

SMEAR SLIDE SUMMARY (%):

	5, 107 D
TEXTURE:	
Sand	30
Silt	68
Clay	2
COMPOSITION:	
Foraminifers	25
Nannofossils	70
Radiolarians	5



SITE 805 HOLE C CORED INTERVAL 169.3-178.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	A/M	N17a	A/M	NN11	A/G	*Didymocyrtis antepenultima*							

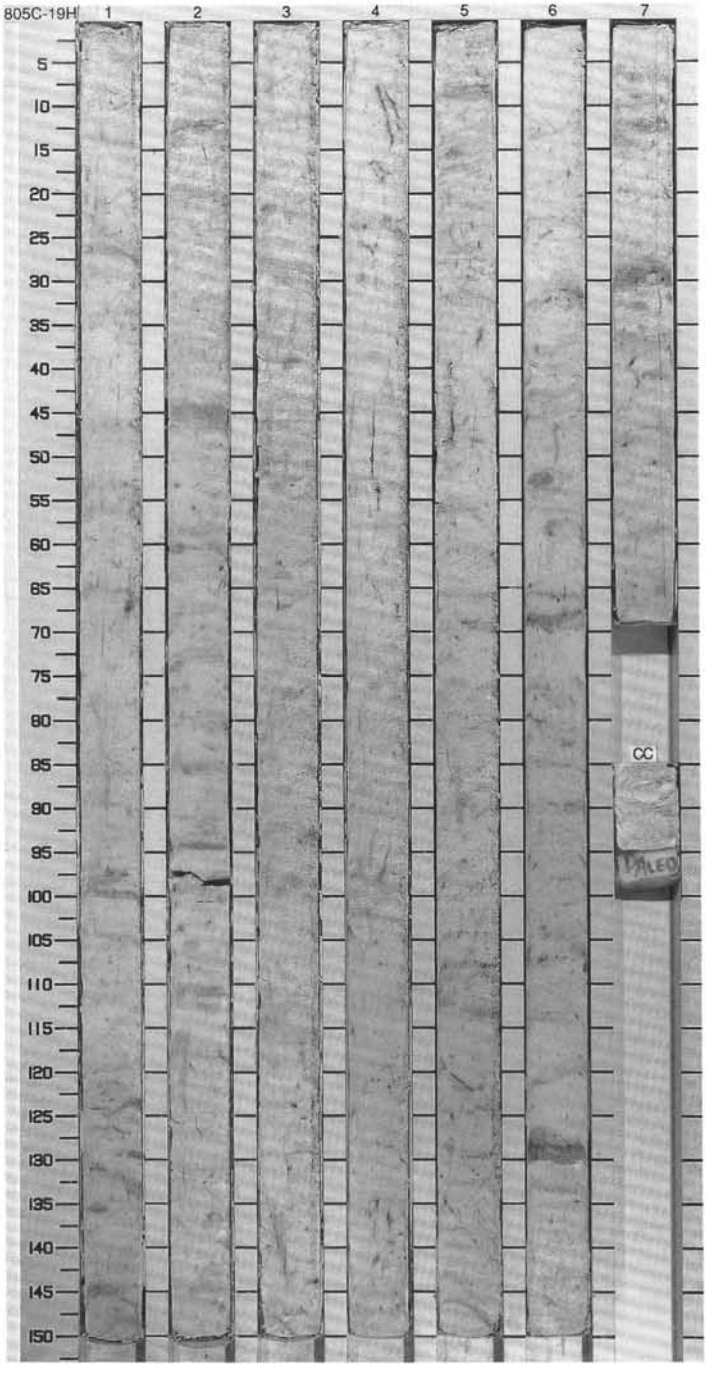
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE. Bioturbation is moderate to heavy as indicated by abundant pale purple (5P 6/2) and light gray (5Y 7/2) burrow mottles. Diffuse pale purple (5P 6/2) color bands are present throughout the core. In Section 2, some of the bands are microfaulted.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	7
Silt	68
Clay	25
COMPOSITION:	
Foraminifers	2
Nannofossils	93
Radiolarians	5



SITE 805 HOLE C CORE 20H CORED INTERVAL 178.8-188.3 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	*Didymocyrtis antepenultima*					1	0.5, 1.0				
						V=1547 ● Φ=59.3 ρ=1.71	● %$CaCO_3$=94.3	2					
						V=1547 ● Φ=60.1 ρ=1.69	● %$CaCO_3$=93.5	3					*
						V=1540 ● Φ=59.9 ρ=1.70	● %$CaCO_3$=93.6	4					
						V=1543 ● Φ=59.5 ρ=1.70	● %$CaCO_3$=94.0	5					
						V=1536 ● Φ=59.7 ρ=1.71	● %$CaCO_3$=42.5	6					
								7					
	A/P	A/M	A/G					CC					

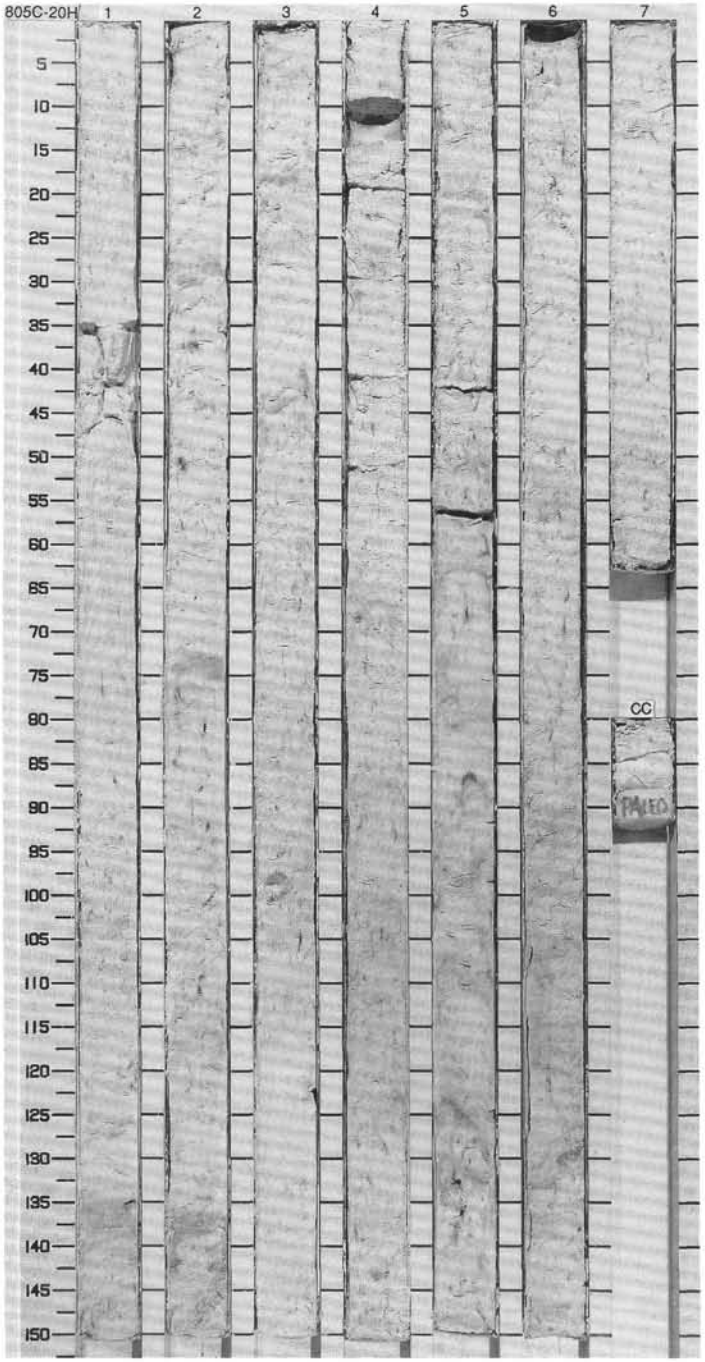
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

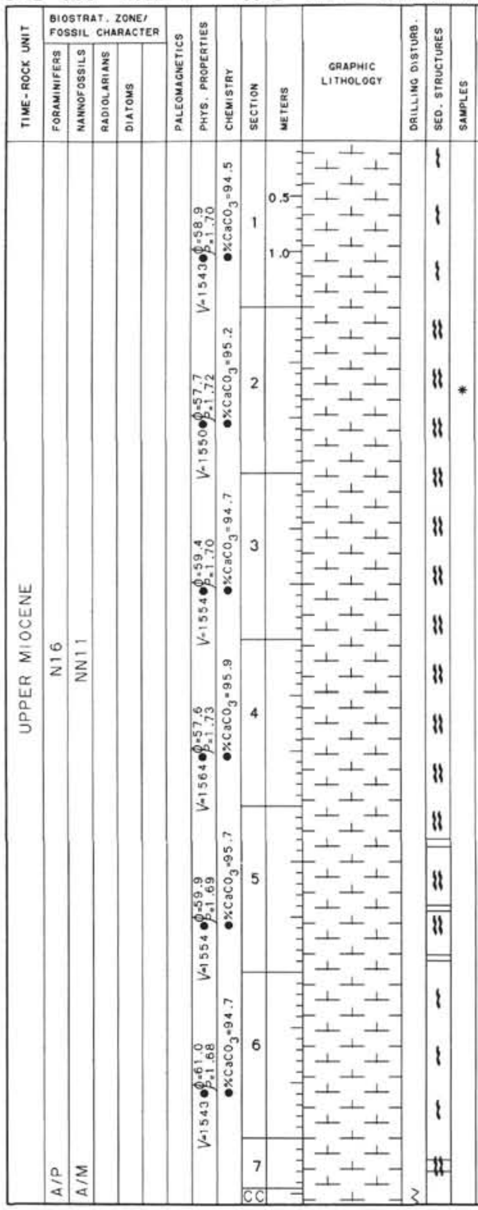
Major lithology: This core contains homogeneous white (2.5Y 8/0) NANNOFOSSIL OOZE. Reddish gray (5R 6/2) specks, streaks, and subhorizontal, 5 to 15 mm thick, color bands are abundant. The ooze is bioturbated and contains pyritic burrow fills.

SMEAR SLIDE SUMMARY (%):

	3, 75
	D
TEXTURE:	
Sand	3
Silt	47
Clay	50
COMPOSITION:	
Diatoms	3
Foraminifers	5
Nannofossils	89
Radiolarians	1
Siliceous fragments	2



SITE 805 HOLE C CORE 21H CORED INTERVAL 188.3-197.8 mbsf



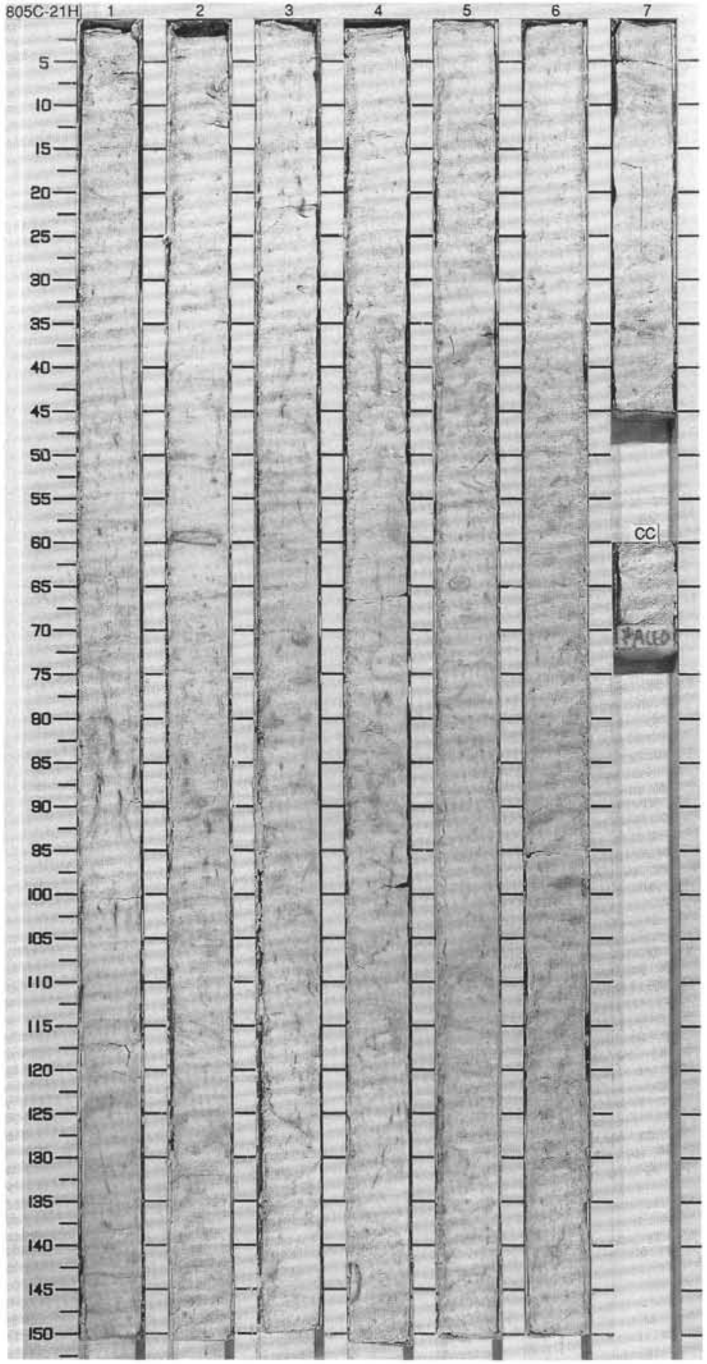
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: This core consists of homogeneous, white (2.5Y 8/0) NANNOFOSSIL OOZE. The sediment is moderately to heavily bioturbated, as indicated by frequent, light gray (2.5Y 7/2) and reddish gray (5R 6/1) mottles and burrows. Faint, mm to cm thick, reddish gray (5R 6/1) color bands are present throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 75 D
TEXTURE:	
Silt	40
Clay	60
COMPOSITION:	
Diatoms	1
Foraminifers	3
Nannofossils	93
Siliceous fragments	3



SITE 805 HOLE C CORE 22H CORED INTERVAL 197.8-207.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	A/G	N16	A	NN11		● ϕ=62.3 ρ=1.64 ● ϕ=63.1 ρ=1.64 ● ϕ=60.1 ρ=1.69 ● ϕ=62.6 ρ=1.65 ● ϕ=60.8 ρ=1.67 V=1561 ● ϕ=59.3 ρ=1.70 V=1561 ● ϕ=60.3 ρ=1.67	● %$CaCO_3$=92.4 ● %$CaCO_3$=93.0 ● %$CaCO_3$=92.3 ● %$CaCO_3$=92.0 ● %$CaCO_3$= 90.5 ● %$CaCO_3$=67.1 ● %$CaCO_3$ =92.0	1 2 3 4 5 6 7 CC	0.5 1.0					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: This core consists of homogeneous, white NANNOFOSSIL OOZE with abundant reddish gray (5R 6/1) and pale purple (5P 6/2) mottling. Light gray (2.5Y 7/2) mottles, up to several cm in diameter, and pyritized specks and trace fossils are also evident. These features are indicative of moderate to heavy bioturbation. Some faint, cm scale, subhorizontal, pale purple (5P 6/2) and pale yellowish green (10GY 7/2) color banding is present.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	8
Silt	60
Clay	32
COMPOSITION:	
Accessory minerals	1
Diatoms	Tr
Foraminifers	8
Nannofossils	89
Siliceous fragments	2

SITE 805 HOLE C CORE 23H CORED INTERVAL 207.3-216.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	N16 A/M	NN11 A/M				● ϕ=62.3 ρ=1.65 V=1580; V=1569 ● ϕ=64.5 ρ=1.59	● %$CaCO_3$=93.5; ● %$CaCO_3$=87.2	1	0.5, 1.0			≀≀	
								2				≀≀	*

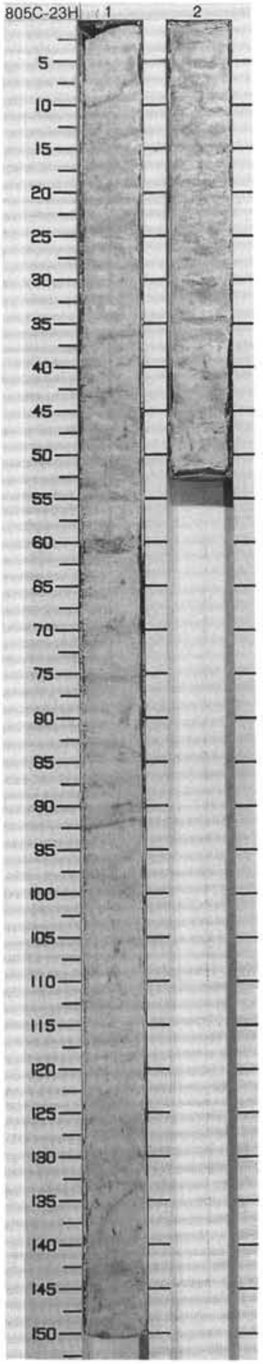
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core consists of homogeneous, white NANNOFOSSIL OOZE with FORAMINIFERS. Abundant reddish gray (5R 6/1) and pale purple (5P 6/2) mottling is present. Some mottles are semi-lithified.

SMEAR SLIDE SUMMARY (%):

	2, 31
	D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Accessory minerals	1
Diatoms	Tr
Foraminifers	15
Nannofossils	82
Siliceous fragments	2



SITE 805 HOLE C CORE 24H CORED INTERVAL 216.8-226.3 mbsf

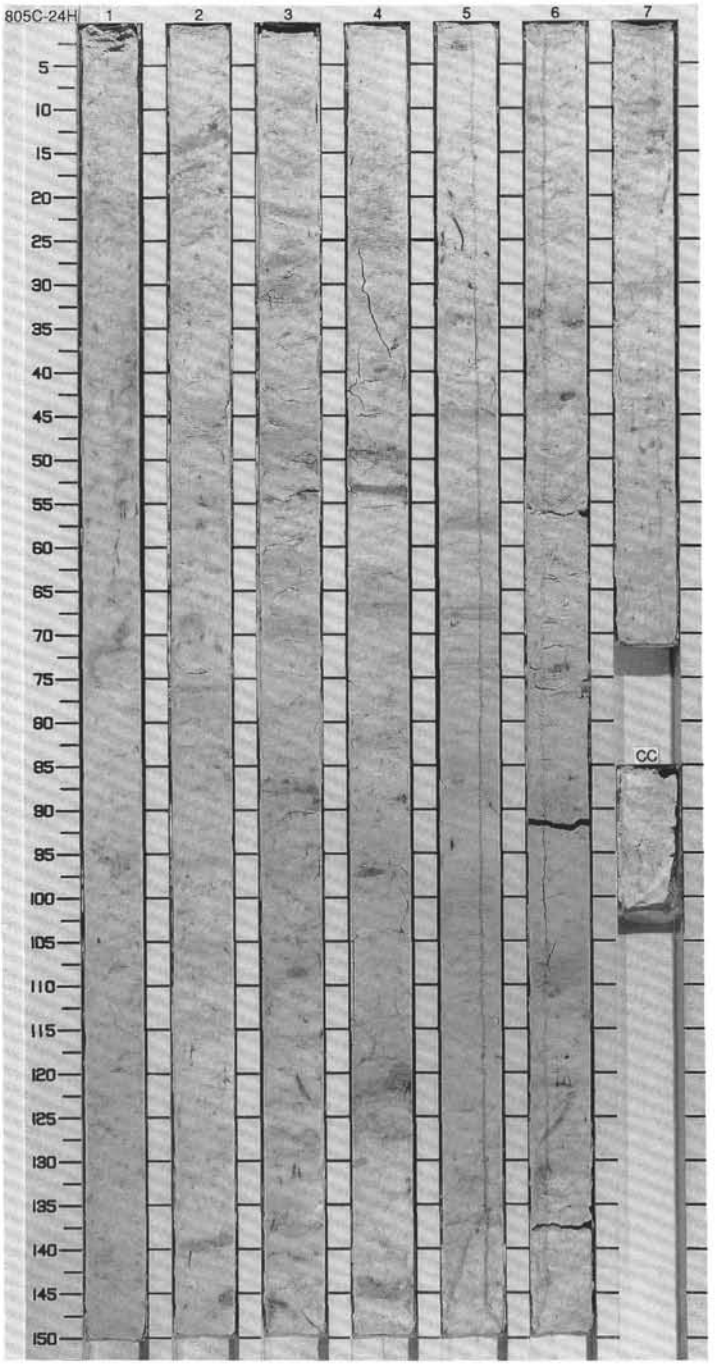
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	A/M	A/M				V-1505 ϕ-61.4 ρ-1.68 V-1598 ϕ-59.8 ρ-1.69 V-1587 ϕ-60.3 ρ-1.68 V-1569 ϕ-61.3 ρ-1.66 V-1583 ϕ-59.6 ρ-1.69 V-1587 ϕ-57.8 ρ-1.73	%CaCO3=88.7 %CaCO3=88.7 %CaCO3=88.5 %CaCO3=88.8 %CaCO3=91.4 %CaCO3=90.0	1 2 3 4 5 6 7 CC	0.5 1.0				
	N16	NN10?											

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core consists of heavily bioturbated homogeneous, white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. Abundant reddish gray (5R 6/1) and pale purple (5P 6/2) mottles, are apparent. The ooze contains numerous intervals that are indurated. Horizontal, 5 to 15 mm thick color bands are spaced at 1 to 2 cm intervals in Section 5.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	50
Clay	40
COMPOSITION:	
Foraminifers	10
Nannofossils	90
Radiolarians	Tr



SITE 805 HOLE C CORE 25H CORED INTERVAL 226.3-235.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	A/G N16	A/P NN10				V=1595 Φ=67.6 ρ=1.87 V=1583 Φ=59.6 ρ=1.69 V=1576 Φ=57.7 ρ=1.71 V=1580 Φ=60.1 ρ=1.68 Φ=60.3 ρ=1.68	%$CaCO_3$=93.0 %$CaCO_3$=93.5 %$CaCO_3$=93.0 %$CaCO_3$=91.5	1 2 3 4 5 6 7 CC	0.5 1.0				*

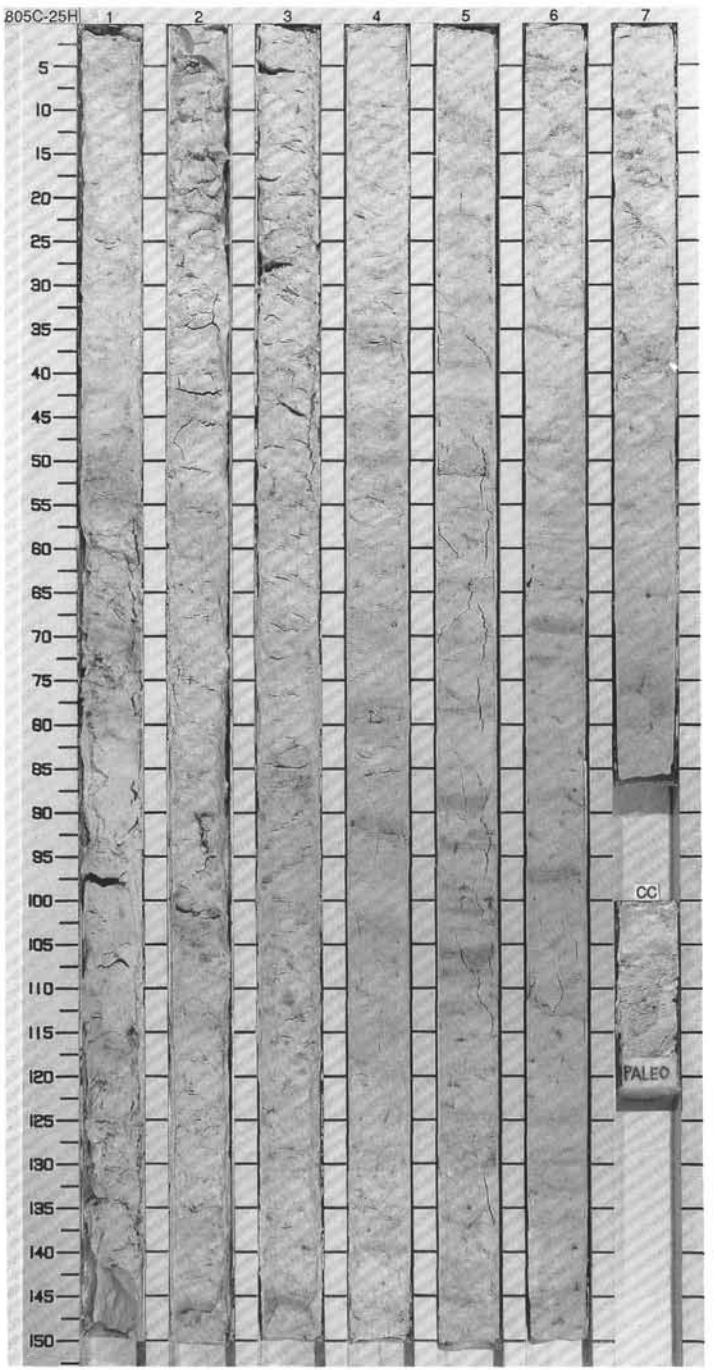
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core consists of heavily bioturbated, homogeneous, white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The ooze contains numerous semi-lithified zones that commonly take the form of nodules. Reddish gray (5R 6/2) color bands are common.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	3
Silt	57
Clay	40
COMPOSITION:	
Diatoms	3
Foraminifers	10
Nannofossils	85
Radiolarians	Tr
Siliceous fragments	2



SITE 805 HOLE C CORE 26X CORED INTERVAL 235.8-245.4 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	N16 / NN10					V-1598 Ø=61.3 ρ=1.65	%$CaCO_3$=90.5	1	0.5 / 1.0				
						V-1598 Ø=61.5 ρ=1.65	%$CaCO_3$=88.8	2					
						V-1576 Ø=63.3 ρ=1.62	%$CaCO_3$=88.0	3					
						V-1587 Ø=61.6 ρ=1.66	%$CaCO_3$=89.7	4					
						V-1562 Ø=60.0 ρ=1.67	%$CaCO_3$=90.2	5					
	C/P	A/P						6					
								CC					

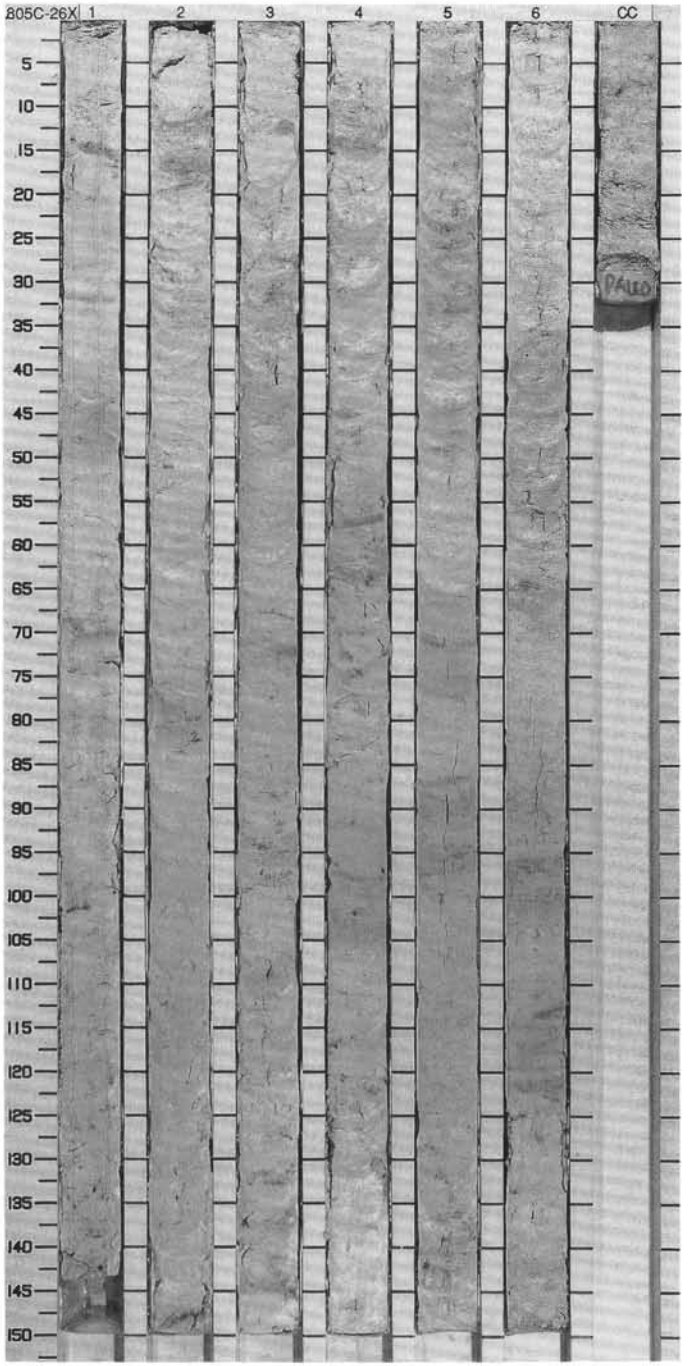
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The ooze consists of semi-lithified nodules, each several cm thick, intercalated with softer sediment. No lithologic difference between the semi-lithified nodules and the softer sediment is noticeable, and color bands often pass continuously between the two. Color bands are apparent as diffuse zones of reddish gray (5R 6/1) and pale purple (5P 6/2). Light gray (2.5Y 7/2) pyritized burrows and mottles indicate pervasive bioturbation.

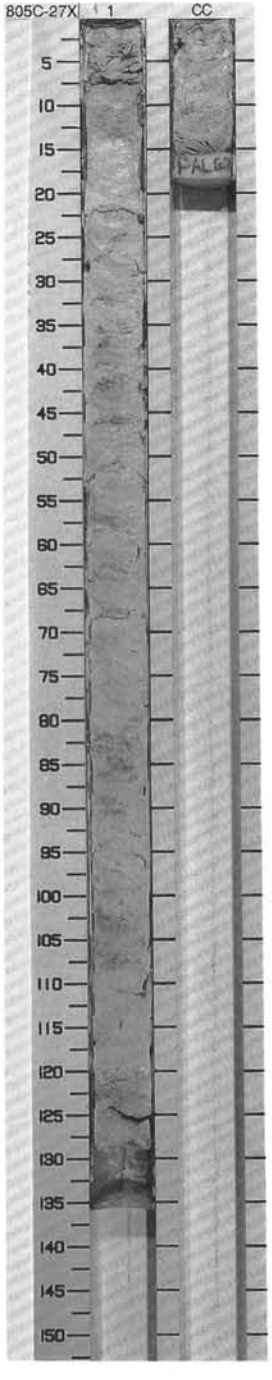
SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	10
Silt	55
Clay	35
COMPOSITION:	
Diatoms	2
Foraminifers	12
Nannofossils	86
Radiolarians	Tr
Siliceous fragments	Tr

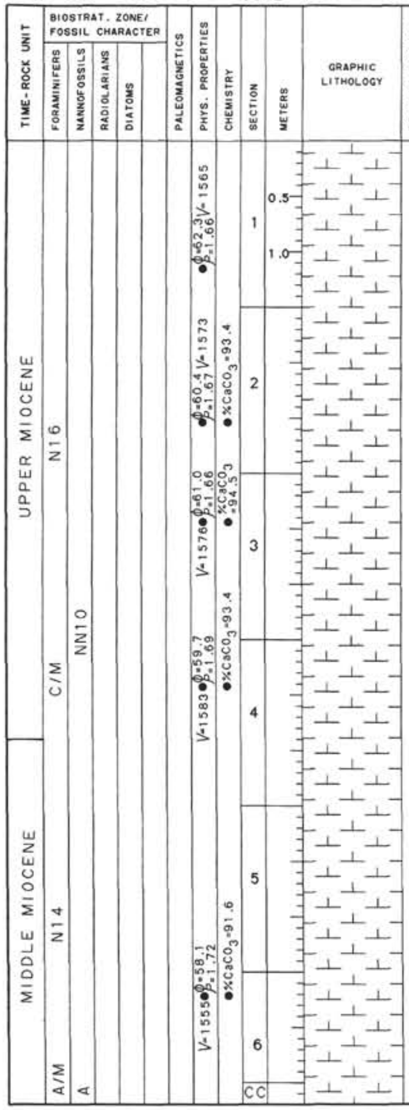


SITE 805 HOLE C CORE 27X CORED INTERVAL 245.4-255.1 mbsf

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/P NN10				● ϕ=59.6 V_p=1576 ρ_b=1.68	● %$CaCO_3$=90.3	1 CC	0.5 1.0					NANNOFOSSIL OOZE with FORAMINIFERS Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE with FORAMINIFERS. The ooze is composed of semi-lithified, nodules or beds, each several cm thick, intercalated with stiff ooze. Diffuse pale purple (5P6/2) color banding is common. Mottles indicate heavy bioturbation.



SITE 805 HOLE C CORE 28X CORED INTERVAL 255.1-264.7 mbsf



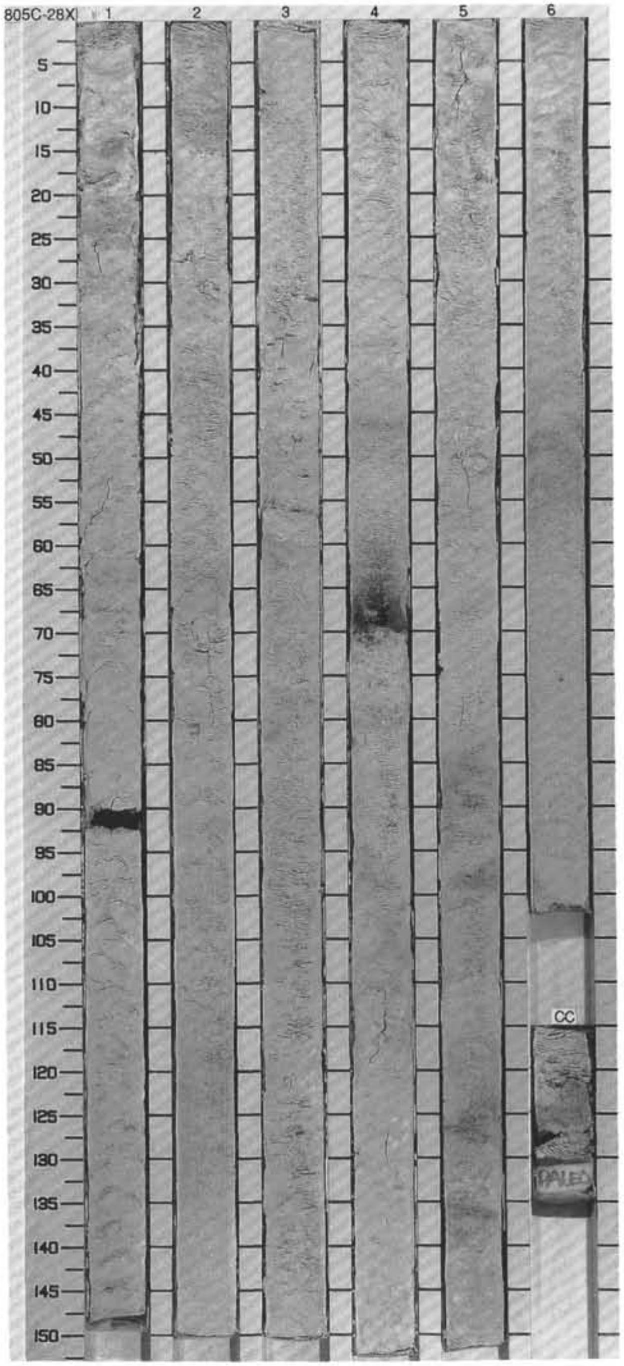
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0), stiff to semi-lithified NANNOFOSSIL OOZE. The semi-lithified sediments dominate the sequence and appear as nodules of interbeds. The sediment is relatively homogeneous although some indistinct pale purple (5P 6/2) color banding is present. Rare mottles (light gray 2.5Y 7/2) and disseminated pyrite specks also are present. A bioturbated ash layer is located at Section 4, 68-71 cm.

SMEAR SLIDE SUMMARY (%):

	3, 74 D	4, 69 M
TEXTURE:		
Sand	5	25
Silt	65	50
Clay	30	25
COMPOSITION:		
Accessory minerals	1	Tr
Diatoms	Tr	Tr
Foraminifers	6	3
Glass	—	55
Nannofossils	85	40
Radiolarians	6	Tr
Siliceous fragments	2	2



SITE 805 HOLE C CORE 29X CORED INTERVAL 264.7-274.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/FOSSIL CHARACTER
MIDDLE MIOCENE	
FORAMINIFERS	C/M N14
NANNOFOSSILS	A/P NN9
RADIOLARIANS	
DIATOMS	
PALEOMAGNETICS	
PHYS. PROPERTIES	V=1598 Φ=58.9 ρ=1.71; V=1583 Φ=59.4 ρ=1.69; V=1587 Φ=55.6 ρ=1.77; V=1606 Φ=59.9 ρ=1.68; Φ=59.3 ρ=1.68
CHEMISTRY	%CaCO3=94.6; %CaCO3=91.8; %CaCO3=87.9; %CaCO3=92.0; %CaCO3=92.1
SECTION	CC, 6, 5, 4, 3, 2, 1
METERS	1.0, 0.5
GRAPHIC LITHOLOGY	
DRILLING DISTURB.	
SED. STRUCTURES	
SAMPLES	*

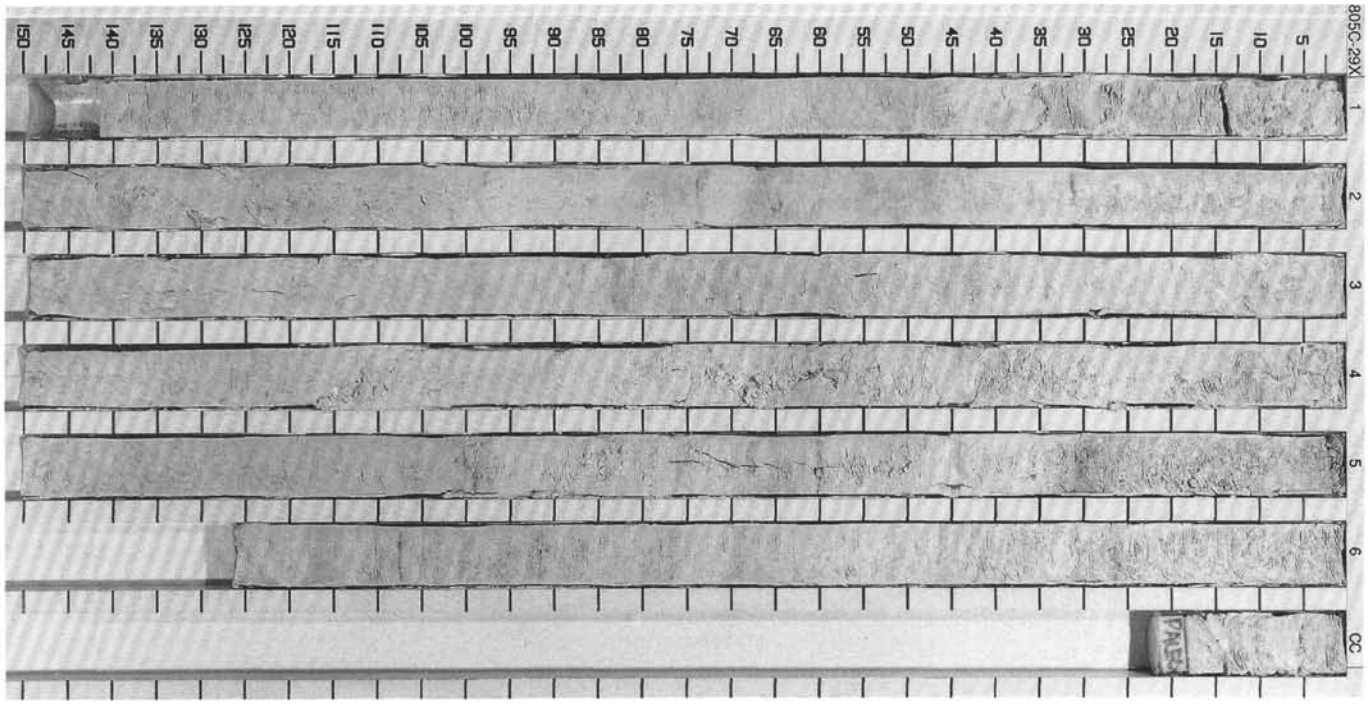
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0), stiff to semi-lithified NANNOFOSSIL OOZE with FORAMINIFERS. Reddish gray (5R 6/1) color bands, 2 to 5 cm in thickness, are present throughout the core. The ooze is strongly bioturbated, as indicated by light gray (2.5Y 7/2) mottling and pyrite burrow-fillings.

SMEAR SLIDE SUMMARY (%):

	3, 74	D
TEXTURE:		
Sand	12	
Silt	58	
Clay	30	
COMPOSITION:		
Diatoms	Tr.	
Foraminifers	15	
Nannofossils	80	
Radiolarians	5	



SITE 805 HOLE C CORE 30X CORED INTERVAL 274.4-284.0 mbsf

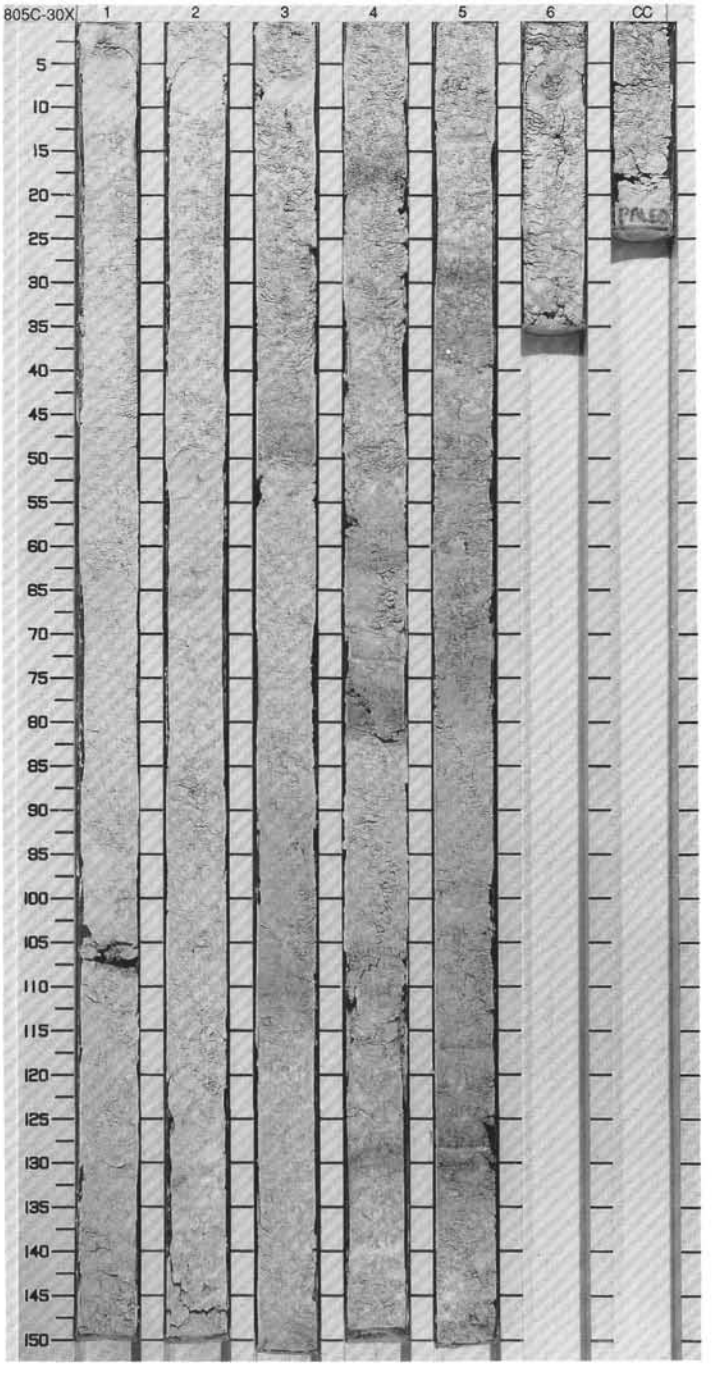
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
MIDDLE MIOCENE	C/M	N13				V=1587 Φ=61.5 ρ=1.65	%CaCO3=90.5	5						
	A/P	NN8				V=1606 Φ=61.7 ρ=1.66	%CaCO3=91.3	4						
						V=1580 Φ=57.6 ρ=1.73	%CaCO3=93.3	3						
						V=1617 Φ=58.3 ρ=1.72	%CaCO3=92.5	2						
						V=1580 Φ=62.5 ρ=1.65	%CaCO3=93.1	1	0.5					
									1.0					
								6						
								CC						

NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0), stiff to semi-lithified NANNOFOSSIL OOZE. The sediment is slightly bioturbated, as indicated by a few reddish gray (5R 6/1) mottles. Several reddish gray zones (several cm to several tens of cm thick) and pale green bands (mm to cm thick) are noted throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 74 D
TEXTURE:	
Sand	8
Silt	62
Clay	30
COMPOSITION:	
Accessory minerals	1
Diatoms	2
Foraminifers	8
Nannofossils	82
Radiolarians	5
Siliceous fragments	2



SITE 805 HOLE C CORE 31X CORED INTERVAL 284.0-293.7 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	N13 - N14	NN6 - NN7	A/G	A/P		V-1560 ϕ-55.1 ρ-2.77 V-1548 ϕ-55.7 ρ-2.75 V-1551 ϕ-58.3 ρ-2.71	%CaCO3=91.0 %CaCO3=91.1 %CaCO3=92.4	1 2 3 4 5 6 CC	0.5 1.0				*

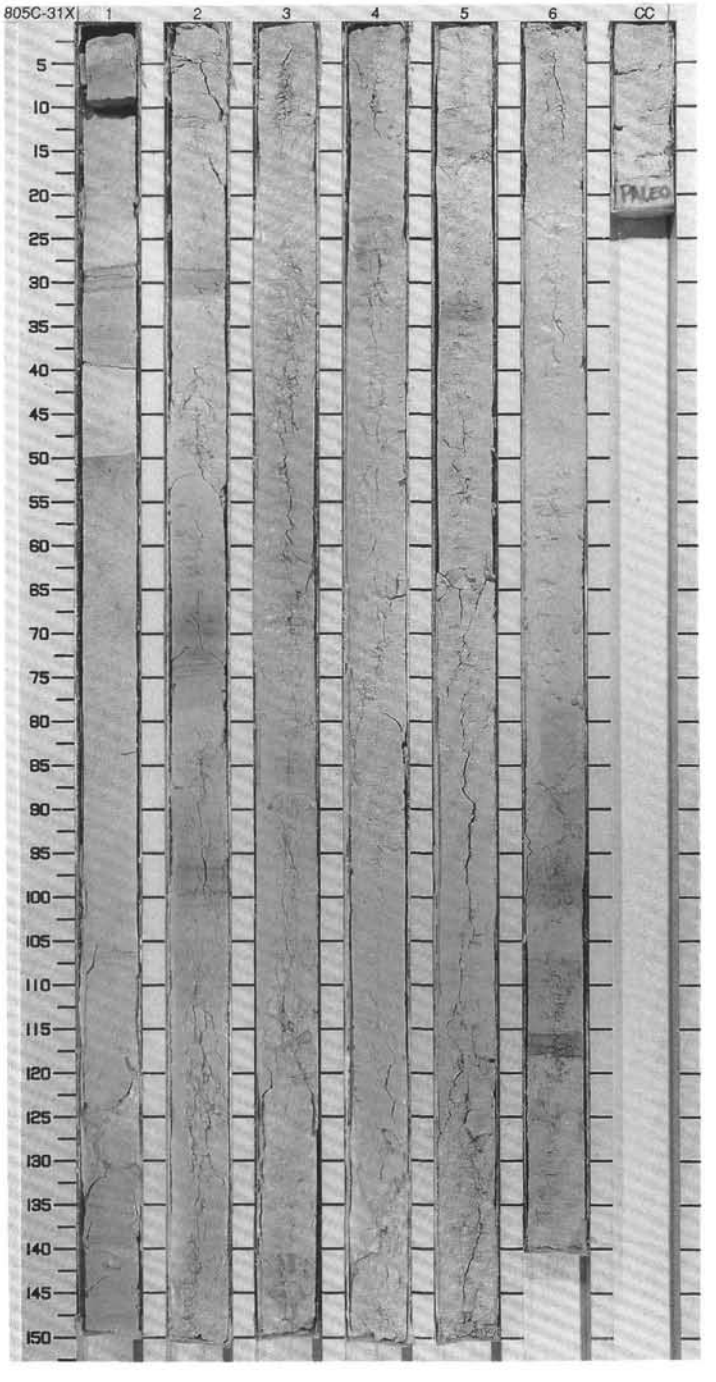
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE

Major lithology: This core contains white (2.5Y 8/0), stiff to semi lithified NANNOFOSSIL OOZE. Faint, reddish gray (5R 6/2), 20 to 30 cm thick zones, spaced 40 to 50 cm apart, exhibit mm thick banding. Some mm thick bands are also pale yellowish green (10GY 7/2) in color. The sediment is strongly bioturbated, especially in the reddish gray zones.

SMEAR SLIDE SUMMARY (%):

	3, 75 D
TEXTURE:	
Sand	1
Silt	60
Clay	39
COMPOSITION:	
Diatoms	1
Foraminifers	7
Nannofossils	89



SITE 805 HOLE C CORE 32X CORED INTERVAL 293.7-302.9 mbsf

TIME-ROCK UNIT: MIDDLE MIOCENE

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

PALEOMAGNETICS

PHYS. PROPERTIES: V-1590 Φ=58.9 ρb=1.70; V-1595 Φ=57.4 ρb=1.72; V-1630 Φ=45.5 ρb=1.93; V-1595 Φ=58.8 ρb=1.69; V-1591 Φ=55.0 ρb=1.77

CHEMISTRY: %$CaCO_3$=92.4; %$CaCO_3$=94.0; %$CaCO_3$=92.9; %$CaCO_3$=93.2; %$CaCO_3$=91.8

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

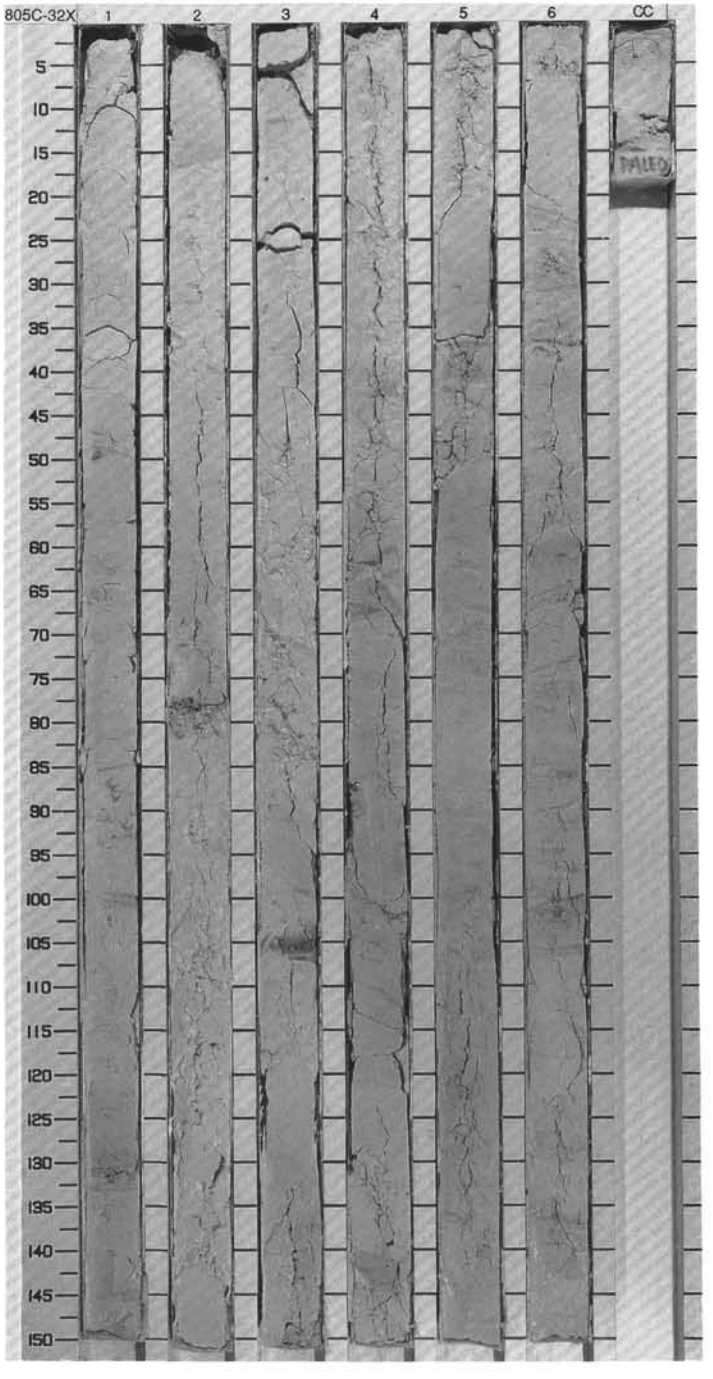
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL CHALK with FORAMINIFERS. Reddish gray (5R 6/1) zones and thin bands, as well as pale yellowish green bands (10GY 7/2), are common throughout the core (except Sections 2 and 3). In Sections 3, 4 and 6, some color bands are offset by microfaulting. In Sections 5 and 6, the bands are observed to dip at varying angles; some are almost vertical and truncate color bands of a different color. Traces of heavy bioturbation (burrowing) are visible only in the reddish-gray zones in Sections 4, 5 and 6. In most of the core, slight bioturbation is indicated by a few specks and pyritized burrow fills. At Section 2, 75 cm, a few mm thick ash layer is observed. Drilling disturbance resulted in moderately fractured biscuits and longer (ca. 10 cm) intervals embedded in a stiff ooze matrix.

SMEAR SLIDE SUMMARY (%):

	2, 76 M	4, 70 D
TEXTURE:		
Sand	25	9
Silt	60	60
Clay	15	30
COMPOSITION:		
Accessory minerals	Tr	2
Diatoms	Tr	Tr
Foraminifers	3	15
Glass	50	—
Nannofossils	35	81
Opaques	10	—
Siliceous fragments	2	2



SITE 805 HOLE C CORE 33X CORED INTERVAL 302.9-312.6 mbsf

TIME-ROCK UNIT: MIDDLE MIOCENE

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

PALEOMAGNETICS

PHYS. PROPERTIES: V=1622 ϕ=59.1 ρ=1.70; V=1588 ϕ=60.6 ρ=1.66; V=1584 ϕ=59.1 ρ=1.67; ϕ=57.9 ρ=1.72; ϕ=60.0 ρ=1.69

CHEMISTRY: %CaCO3=92.0; %CaCO3=92.5; %CaCO3=92.9; %CaCO3=92.0; %CaCO3=88.9

SECTION: 1 2 3 4 5 6 CC

METERS: 0.5 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

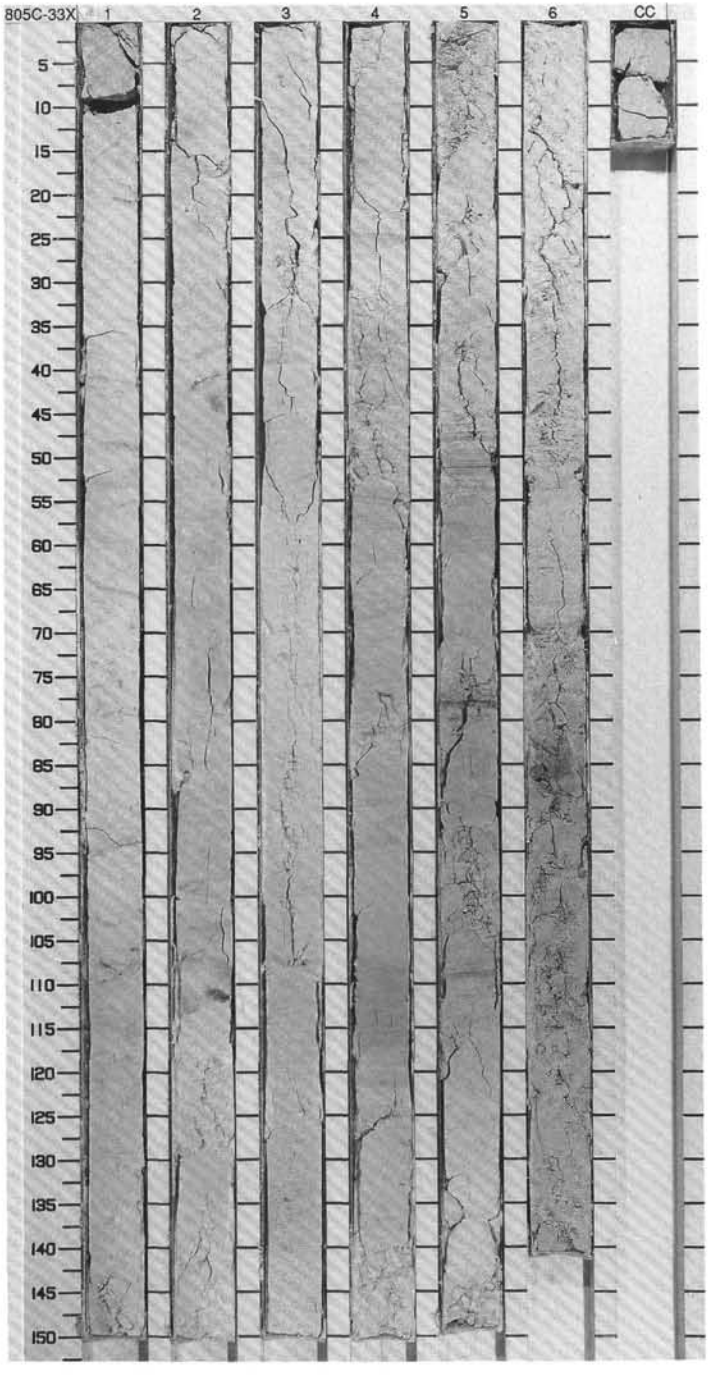
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL CHALK

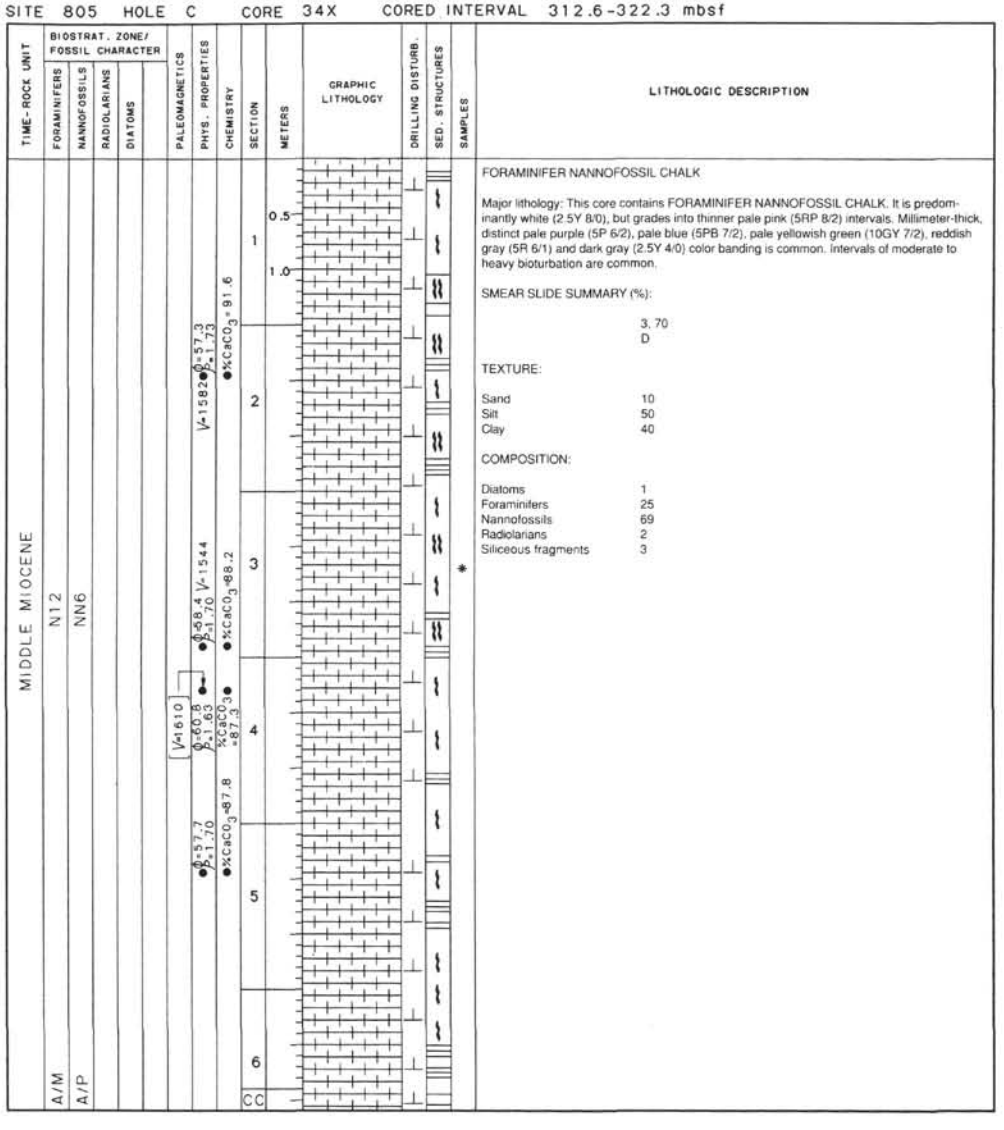
Major lithology: This core contains FORAMINIFER NANNOFOSSIL CHALK. It is predominantly white (2.5Y 8/0), but frequent, mm thick, distinct, pale purple (5P6/2), pale yellow green (10GY 7/2) and dark gray (2.5Y 4/0) color banding is present. Intervals of heavy bioturbation are also evident, shown by abundant burrows, trails and traces. Microfaulting, dipping color banding, contorted color banding and smeared burrow structures in Sections 1 through 4 are noted. Section 4, 57-94 cm, contains very fine laminae that are wispy in nature and possibly form cross-laminae. Section 5 has zones (about 2 cm thick) that contain very distinct horizontal or near-horizontal color bands. These zones are separated by about 30 cm of heavily bioturbated sediment.

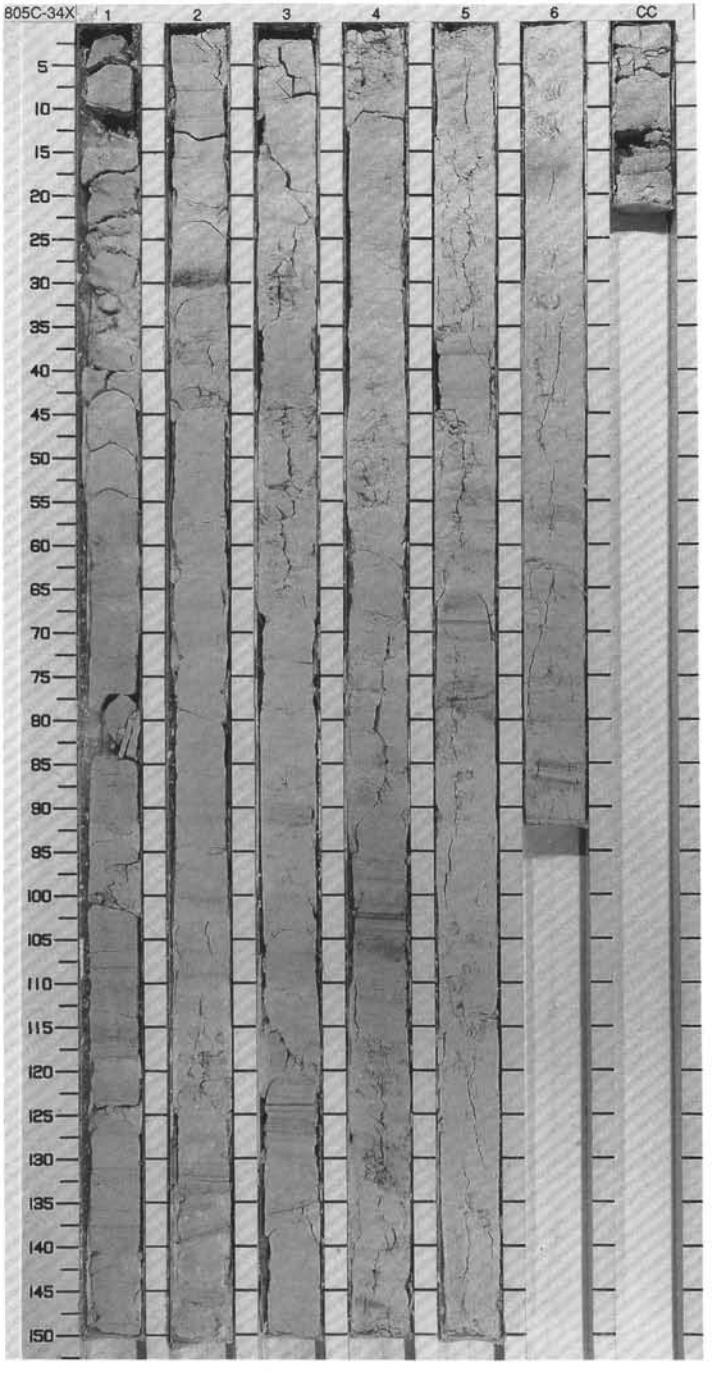
SMEAR SLIDE SUMMARY (%):

	2, 111 M	4, 102 D
TEXTURE:		
Sand	20	15
Silt	40	40
Clay	40	45
COMPOSITION:		
Diatoms	2	1
Foraminifers	15	30
Nannofossils	68	65
Opaques	10	--
Radiolarians	2	1
Siliceous fragments	3	3



SITE 805 HOLE C CORE 34X CORED INTERVAL 312.6-322.3 mbsf





SITE 805 HOLE C CORE 35X CORED INTERVAL 322.3-331.8 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MIDDLE MIOCENE	N11	NN5						1	0.5, 1.0				
						V=1560 ● φ=58.0 ρ=1.75	● $\%CaCO_3$=93.5	2					*
						V=1558 ● φ=58.0 ρ=1.75	● $\%CaCO_3$=91.1	3					
						● φ=56.7 ρ=1.73 V=1604	● $\%CaCO_3$=91.8	4					
						● φ=56.7 ρ=1.73	● $\%CaCO_3$ =96.6	5					
								6					
	A/M	A/P						CC					

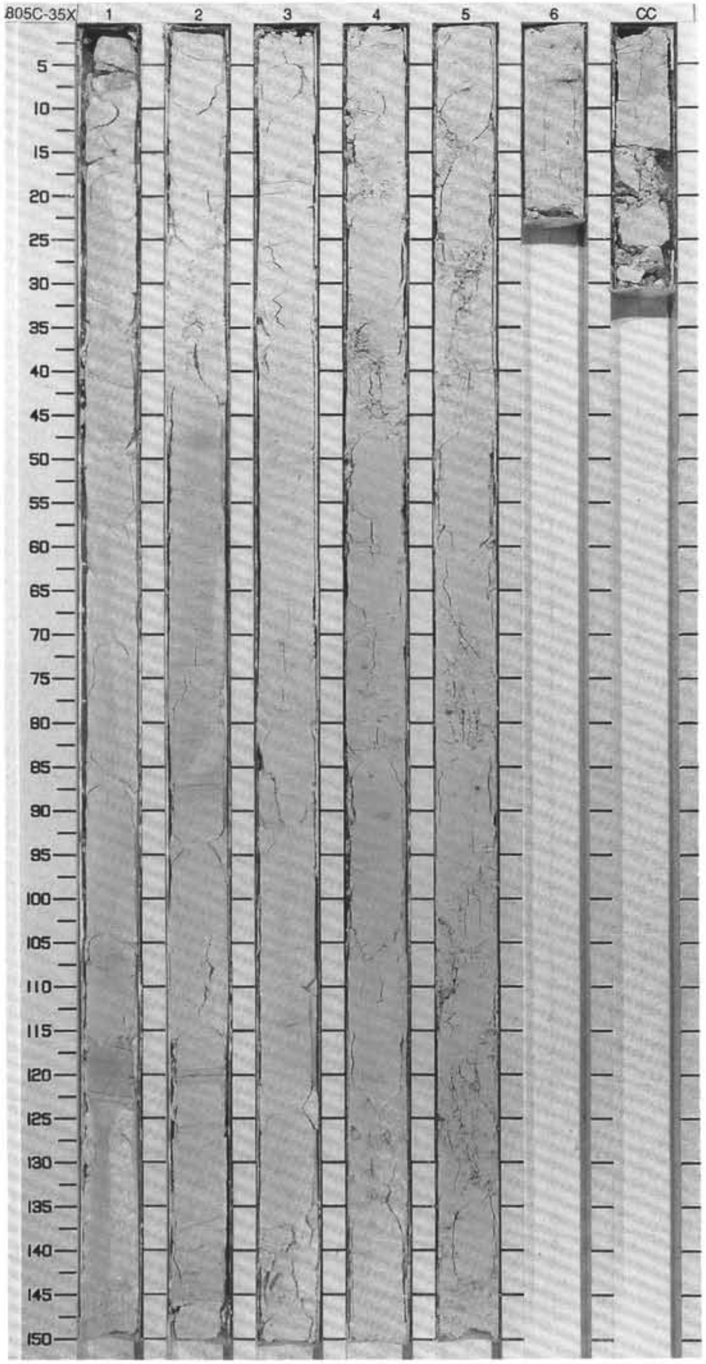
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL CHALK

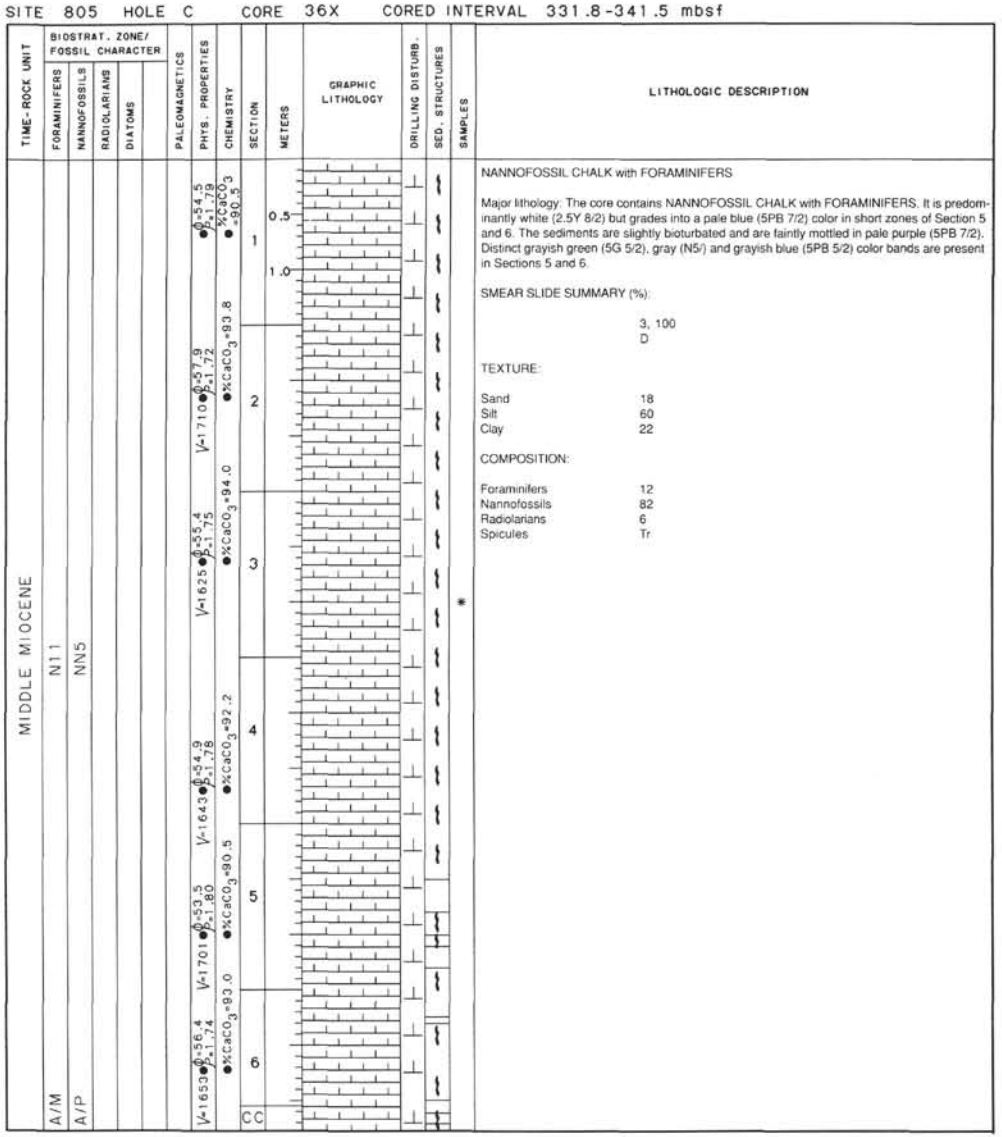
Major lithology: This core contains FORAMINIFER NANNOFOSSIL CHALK. It is predominantly white (2.5Y 8/0), but grades into thinner pale blue (5PB 7/2) intervals. Distinct pale purple (5P 6/2), pale blue (5PB 7/2) and grayish green (5G 5/2) color banding is common. Intervals of moderate to heavy bioturbation also are common, documented mostly by horizontal burrows, grayish blue (5PB 5/2) and light gray (2.5Y 7/2) mottles and a few *Zoophycos* trace fossils.

SMEAR SLIDE SUMMARY (%):

	2, 67 D
TEXTURE:	
Sand	35
Silt	60
Clay	5
COMPOSITION:	
Foraminifers	30
Nannofossils	65
Radiolarians	3
Silicoflagellates	2



SITE 805 HOLE C CORE 36X CORED INTERVAL 331.8-341.5 mbsf

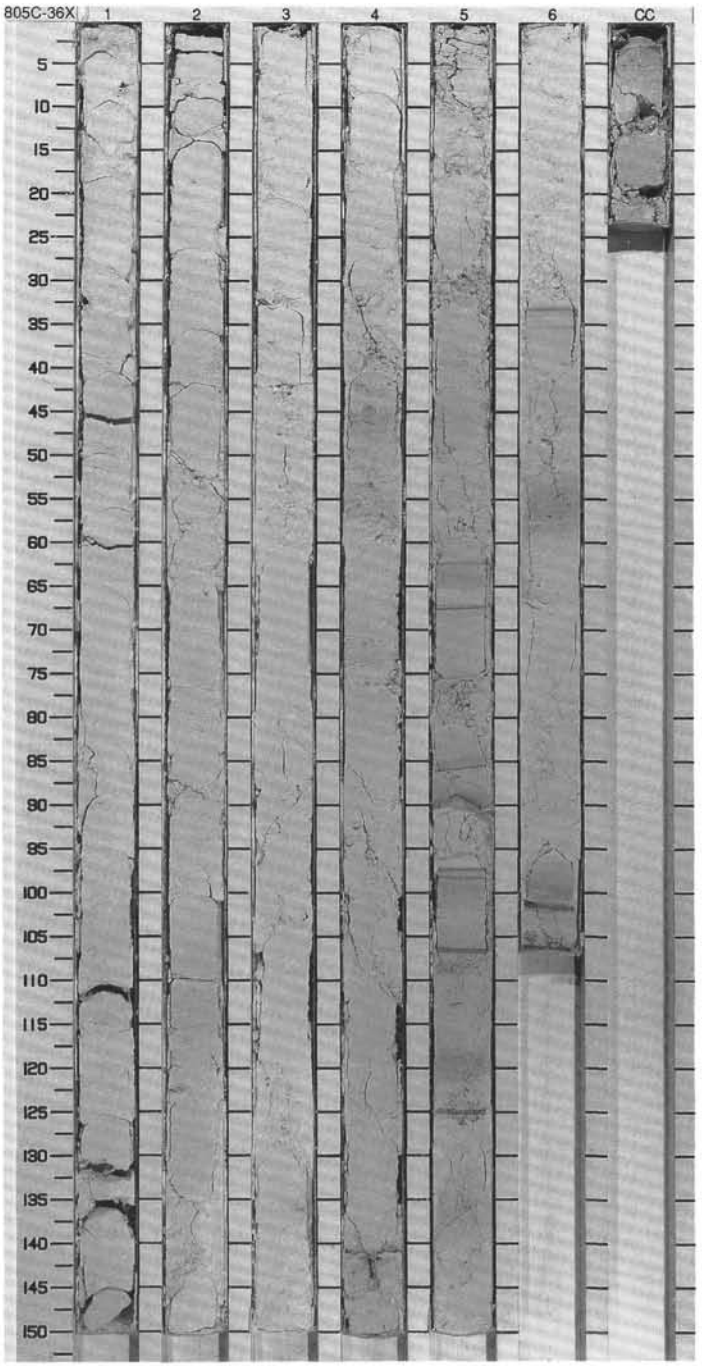


NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: The core contains NANNOFOSSIL CHALK with FORAMINIFERS. It is predominantly white (2.5Y 8/2) but grades into a pale blue (5PB 7/2) color in short zones of Section 5 and 6. The sediments are slightly bioturbated and are faintly mottled in pale purple (5PB 7/2). Distinct grayish green (5G 5/2), gray (N5/) and grayish blue (5PB 5/2) color bands are present in Sections 5 and 6.

SMEAR SLIDE SUMMARY (%):

	3, 100 D
TEXTURE:	
Sand	18
Silt	60
Clay	22
COMPOSITION:	
Foraminifers	12
Nannofossils	82
Radiolarians	6
Spicules	Tr



SITE 805 HOLE C CORE 37X CORED INTERVAL 341.5-351.2 mbsf

TIME-ROCK UNIT: MIDDLE MIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS A/M N10 A/P; NANNOFOSSILS NN5; RADIOLARIANS; DIATOMS

PALEOMAGNETICS

PHYS. PROPERTIES: V=1684 ϕ=57.1 ρ=1.74; V=1662 ϕ=56.5 ρ=1.74; V=1676 ϕ=56.6 ρ=1.76; V=1616 ϕ=57.0 ρ=1.74

CHEMISTRY: %CaCO3=93.4; %CaCO3=93.6; %CaCO3=89.7; %CaCO3=93.4

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

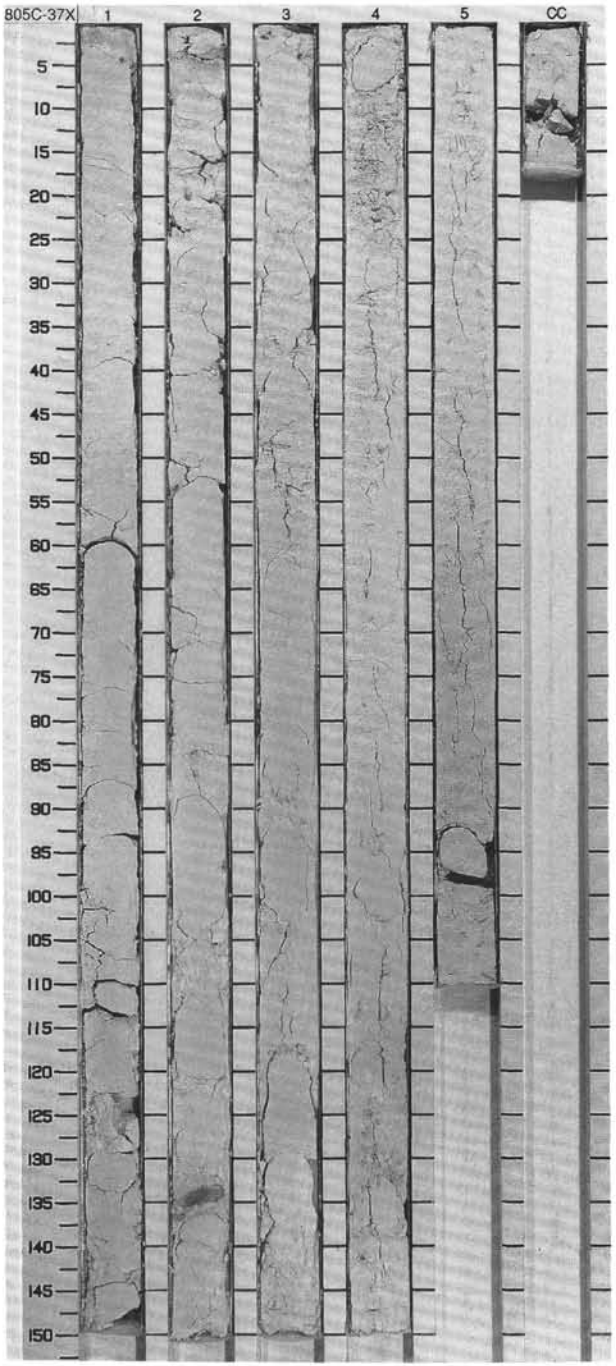
NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL CHALK with FORAMINIFERS. The sediment is predominantly white (2.5Y 8/0), but is mixed with a diffuse pale purple (5P 6/2) tint in the upper half of Section 1. Bioturbation is light throughout the core.

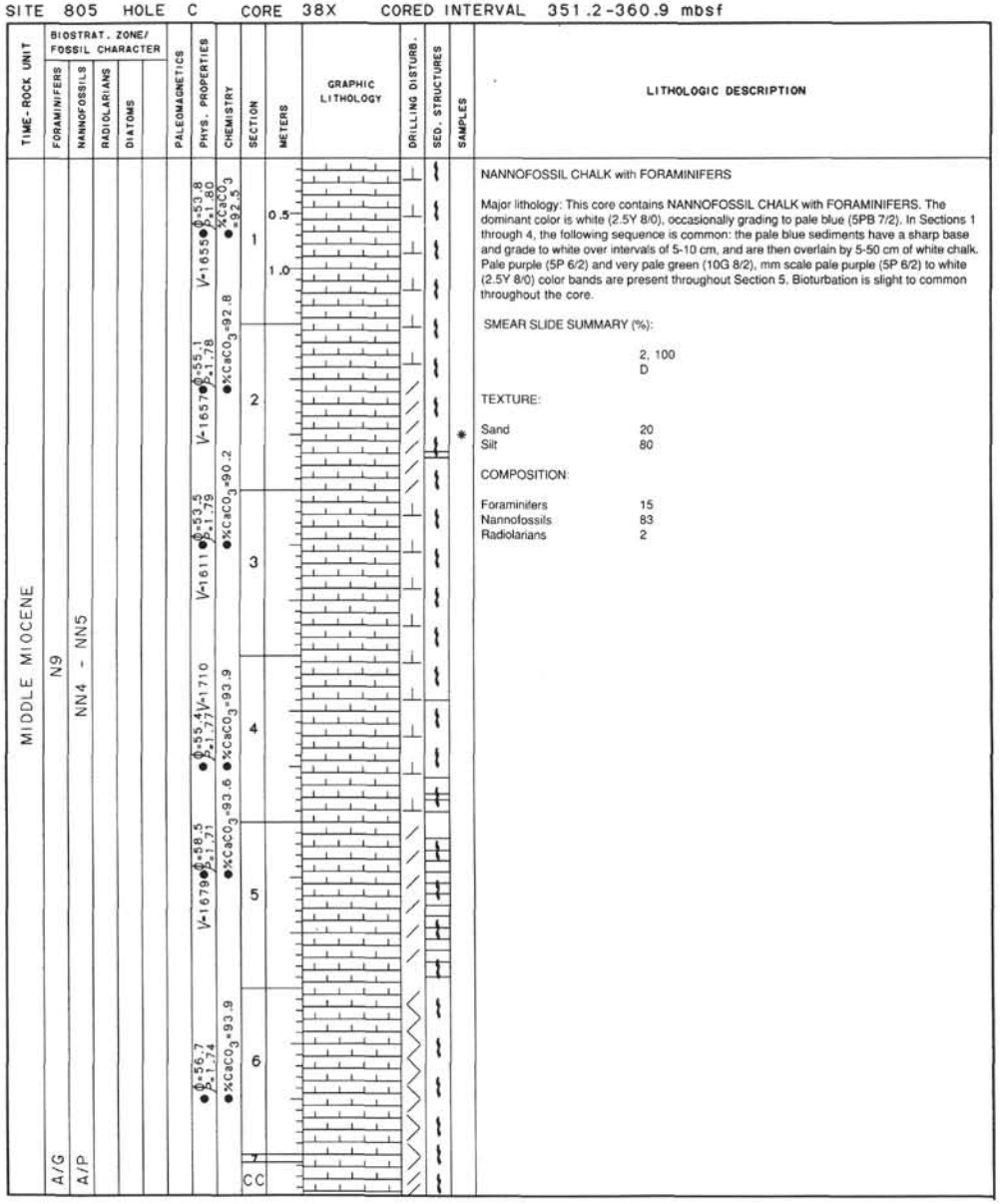
Minor lithology: A 2 cm thick interval of CHERT is present at Section 2, 135-137 cm. This piece may be a fragment of a chert nodule.

SMEAR SLIDE SUMMARY (%):

	3, 87 D	5, 95 D
TEXTURE:		
Sand	7	12
Silt	88	85
Clay	5	3
COMPOSITION:		
Foraminifers	10	12
Nannofossils	87	86
Radiolarians	2	2
Spicules	1	--



SITE 805 HOLE C CORE 38X CORED INTERVAL 351.2-360.9 mbsf



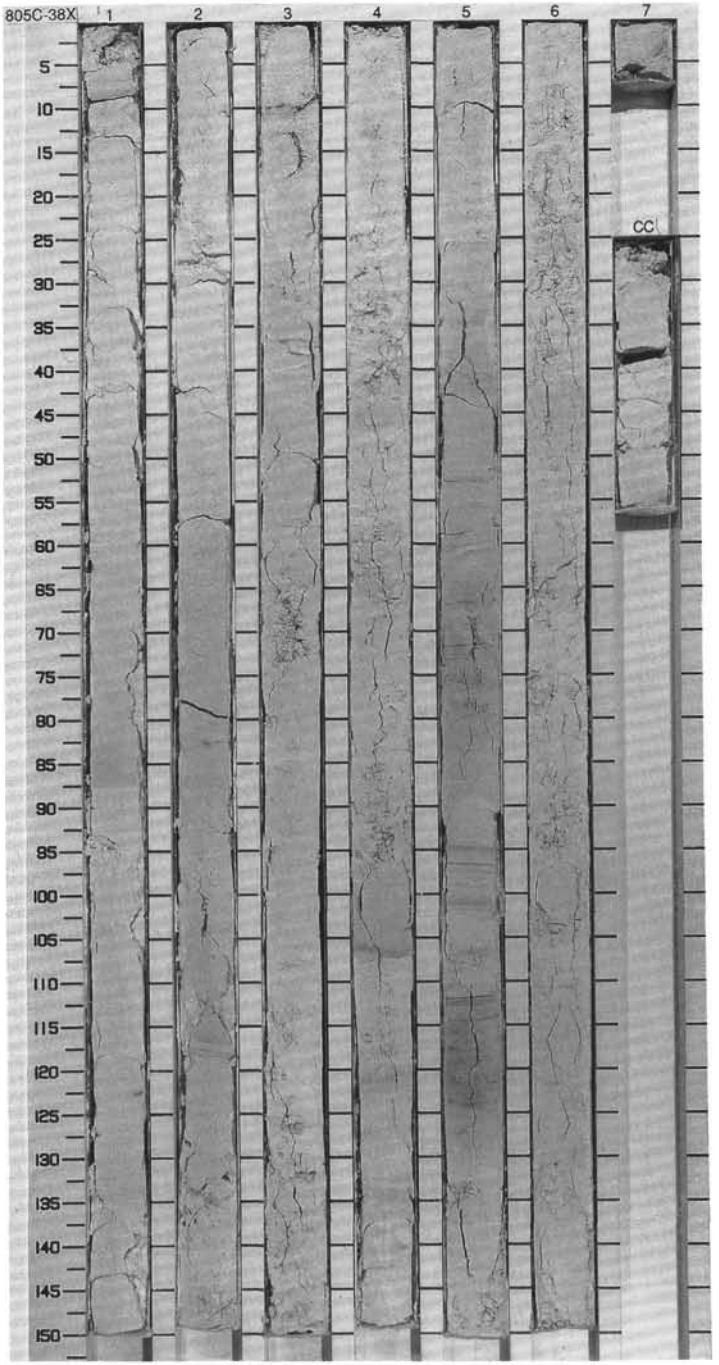
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL CHALK with FORAMINIFERS. The dominant color is white (2.5Y 8/0), occasionally grading to pale blue (5PB 7/2). In Sections 1 through 4, the following sequence is common: the pale blue sediments have a sharp base and grade to white over intervals of 5-10 cm, and are then overlain by 5-50 cm of white chalk. Pale purple (5P 6/2) and very pale green (10G 8/2), mm scale pale purple (5P 6/2) to white (2.5Y 8/0) color bands are present throughout Section 5. Bioturbation is slight to common throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 100 D
TEXTURE:	
Sand	20
Silt	80
COMPOSITION:	
Foraminifers	15
Nannofossils	83
Radiolarians	2

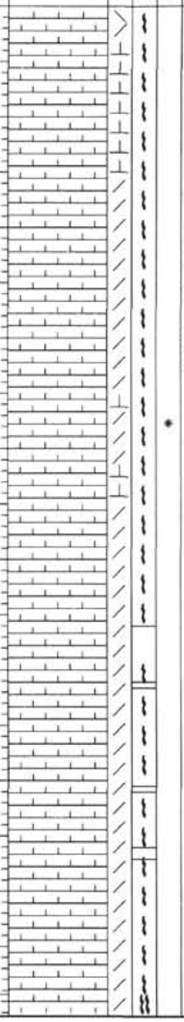


SITE 805 HOLE C CORE 39X CORED INTERVAL 360.9-370.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION
MIDDLE MIOCENE	N8 - N9	NN4 - NN5		NTD 5 / NTD 4		●Φ=52.6 ρ=1.81	●%$CaCO_3$=90.2	1
								2
						V=1622●Φ=55.4 ρ=1.74	●%$CaCO_3$=86.7	3
						V=1640●Φ=58.1 ρ=1.72	●%$CaCO_3$=89.1	4
						V=1680●Φ=52.7 ρ=1.79	●%$CaCO_3$=88.0	5
						V=1748●Φ=57.1 ρ=1.73	●%$CaCO_3$=92.8	6
	A/M	A/P		C/M				CC

METERS: 0.5, 1.0

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



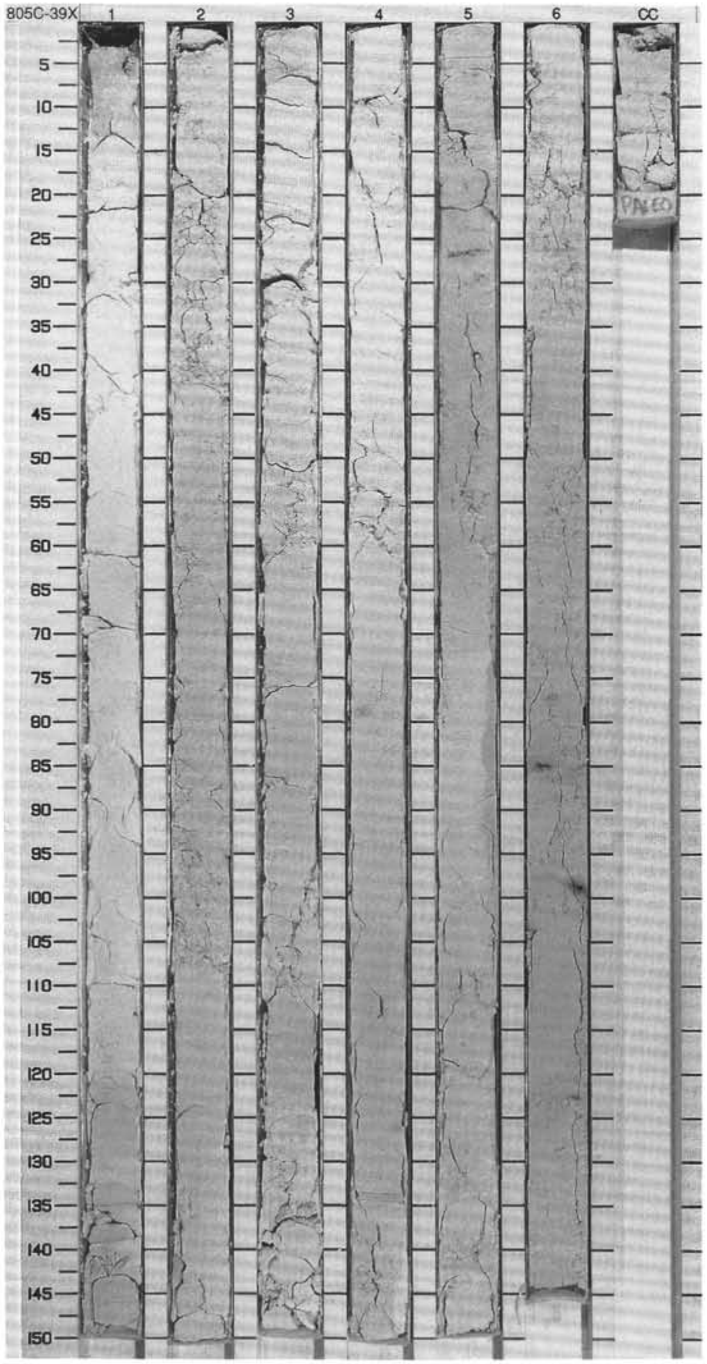
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL CHALK with FORAMINIFERS, grading between white (2.5Y 8/0), light gray (5YR 7/1), light greenish gray (5GY 7/1), pale blue (5PB 7/2), and pale purple (5P 6/2). Bioturbation is moderate to heavy throughout the core and includes discrete, cm scale, horizontal burrows.

SMEAR SLIDE SUMMARY (%):

	3, 78
	D
TEXTURE:	
Sand	30
Silt	65
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	70
Radiolarians	8
Silicoflagellates	2



SITE 805 HOLE C CORE 40X CORED INTERVAL 370.6-380.3 mbsf

TIME-ROCK UNIT: MIDDLE MIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS: N8 - N9 (A/M); NANNOFOSSILS: NN4 - NN5 (A/M); RADIOLARIANS; DIATOMS

PALEOMAGNETICS

PHYS. PROPERTIES: V=1811 ρb=1.77 Φ=55.1; V=1773 ρb=1.82 Φ=52.3; V=1702 ρb=1.78 Φ=55.9; V=1706 ρb=1.78 Φ=54.2

CHEMISTRY: %CaCO3=93.8; %CaCO3=93.1; %CaCO3=94.2; %CaCO3=85.2; %CaCO3=92.0

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

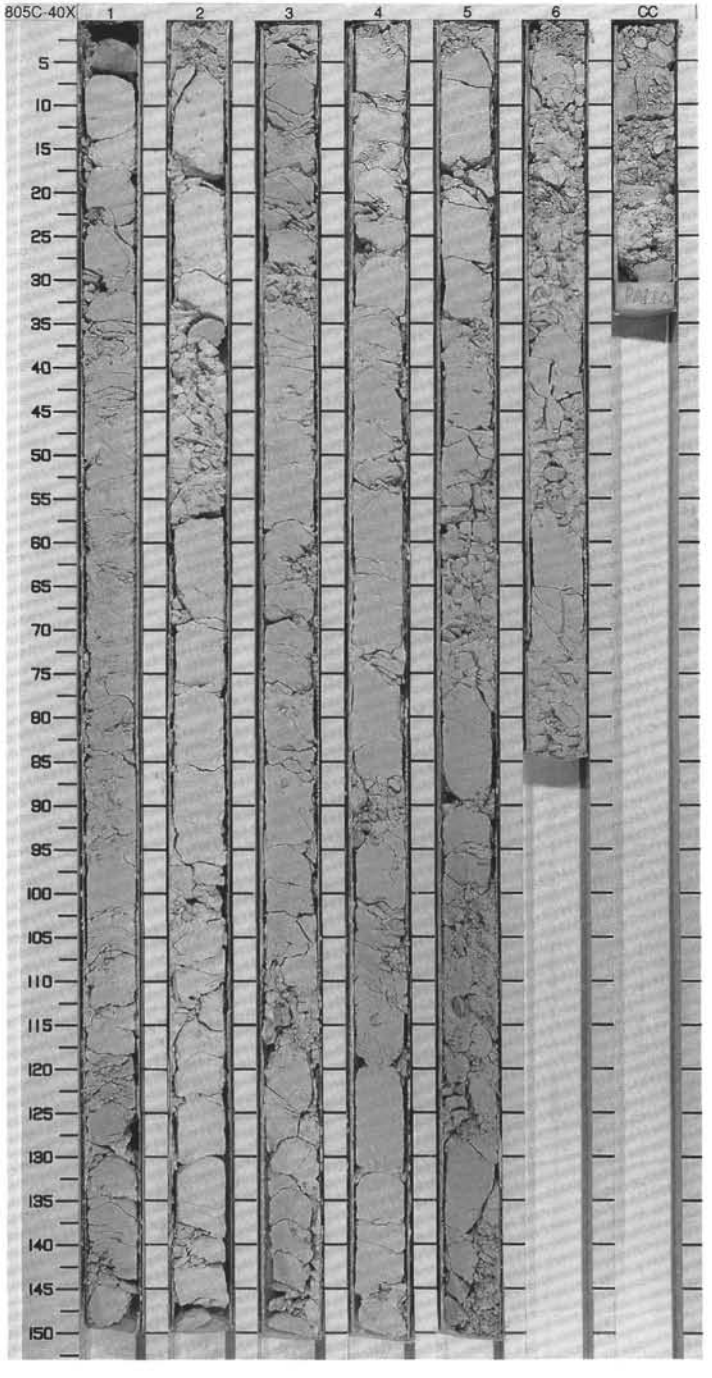
FORAMINIFER NANNOFOSSIL CHALK

Major lithology: This core contains FORAMINIFER NANNOFOSSIL CHALK, which grades in color between white (2.5Y 8/0, 5Y 8/1), light gray (5YR 7/1), and pale pink (5RP 8/2). Bioturbation is moderate to heavy throughout the core.

Minor Lithology: Section 1, 0-10 cm, contains light gray (N7/) CHERT fragments.

SMEAR SLIDE SUMMARY (%):

	2, 100 D	3, 83 D
TEXTURE:		
Sand	35	25
Silt	60	70
Clay	5	4
COMPOSITION:		
Foraminifers	25	20
Nannofossils	70	75
Radiolarians	5	5



SITE 805 HOLE C CORE 41X CORED INTERVAL 380.3-389.9 mbsf

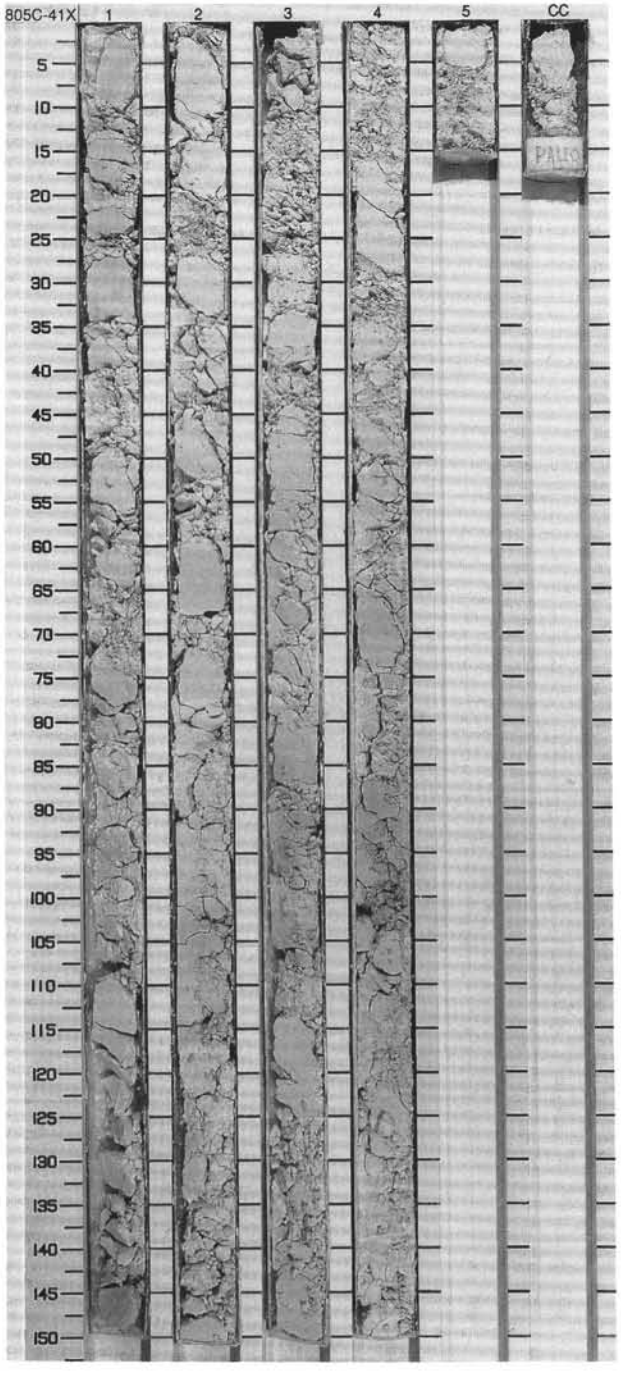
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER MIOCENE	N7	NN4 - NN5			V=1804 Φ=47.6 ρ=1.89	V=1785 Φ=52.5 ρ=1.81	%$CaCO_3$=88.5	4					*	
						V=1990 Φ=44.9 ρ=1.92	%$CaCO_3$=91.1	3						
						V=1990 Φ=53.8 ρ=1.78	%$CaCO_3$=92.0	2						
							%$CaCO_3$=90.2	1	0.5					
	A/M	A/M						CC	1.0					

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (5Y 8/1 to 10YR 8/1), slightly bioturbated NANNOFOSSIL CHALK with FORAMINIFERS.

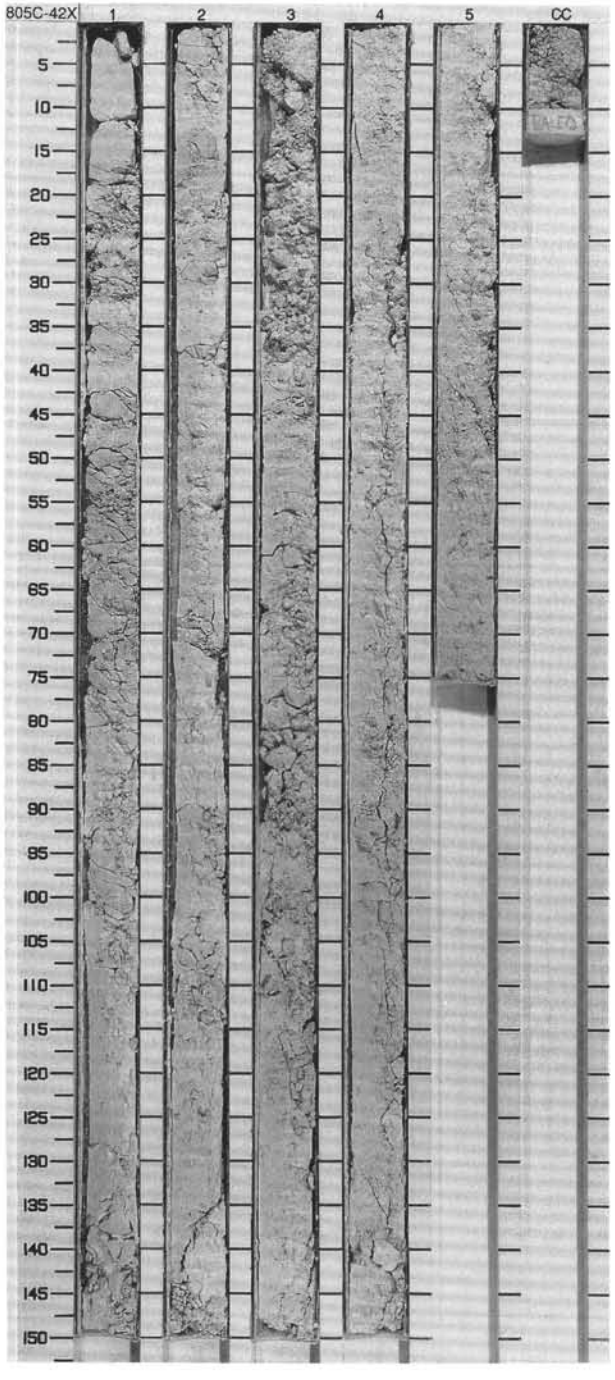
SMEAR SLIDE SUMMARY (%):

	3, 83 D
TEXTURE:	
Sand	25
Silt	70
Clay	5
COMPOSITION:	
Foraminifers	20
Nannofossils	75
Radiolarians	5



SITE 805 HOLE C CORE 42X CORED INTERVAL 389.9-399.5 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 MIOCENE	A/P N5 - N6	A/M NN2				ϕ=52.6 ρ=1.82 ϕ=49.2 ρ=1.86 V=1713	%$CaCO_3$=94.5 %$CaCO_3$=86.8	1 2 3 4 5 CC	0.5 1.0				*	NANNOFOSSIL CHALK Major lithology: This core contains NANNOFOSSIL CHALK, which is predominantly white (10YR 8/1 and 2.5Y 8/0 to 5Y 8/1). Diffuse pale blue (5PB 7/2) mottling is present in Sections 3 and 5. The entire core is slightly bioturbated. SMEAR SLIDE SUMMARY (%): 2, 105 D TEXTURE: Sand 15 Silt 80 Clay 5 COMPOSITION: Foraminifers 9 Nannofossils 90 Radiolarians 1



SITE 805 HOLE C CORE 43X CORED INTERVAL 399.5-409.1 mbsf

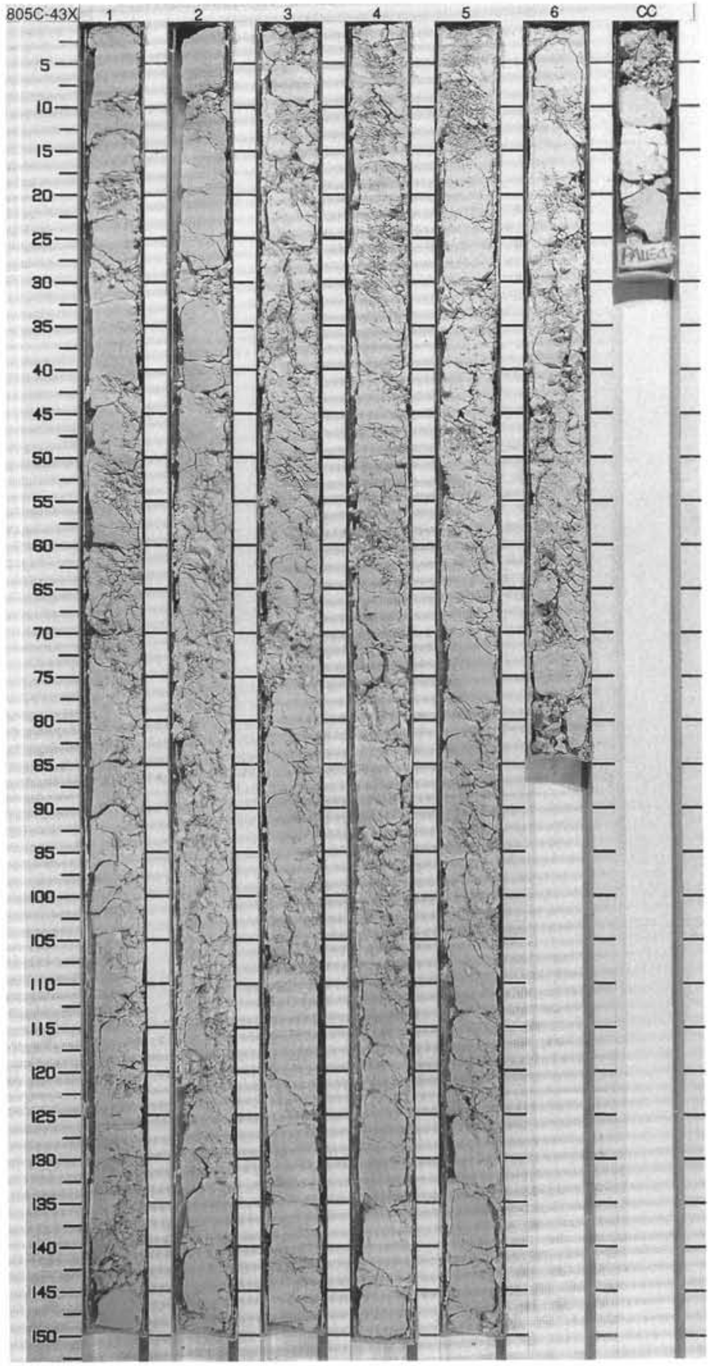
TIME-ROCK UNIT	BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER MIOCENE	N5 - N6; F/M	NN2; A/M				V=1674; Φ=57.5, ρ=1.81; V=1678 Φ=51.0, ρ=1.83; V=1744 Φ=47.4, ρ=1.90; V=1744 Φ=46.8, ρ=1.89; V=1710 Φ=46.3, ρ=1.91; V=1789 Φ=47.0, ρ=1.92	%CaCO3=93.1; %CaCO3=92.1; %CaCO3=93.6; %CaCO3=90.6; %CaCO3=92.3; %CaCO3=92.4	1, 2, 3, 4, 5, 6, CC	0.5, 1.0				* (Section 2)	see below

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains white (10YR 8/1 to 5Y 8/1) NANNOFOSSIL CHALK with FORAMINIFERS. Diffuse pale blue (5PB 7/2) and pale purple (5P 6/2) mottling is common throughout. The entire core is slightly bioturbated.

SMEAR SLIDE SUMMARY (%):

	2, 81
	D
TEXTURE:	
Sand	7
Silt	90
Clay	3
COMPOSITION:	
Foraminifers	10
Nannofossils	88
Radiolarians	1
Spicules	1



SITE 805 HOLE C CORE 44X CORED INTERVAL 409.1-418.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIOCENE	C/M	N5				V-1744 Φ=49.3 ρ=1.85 V-1558 Φ=47.9 ρ=1.88	%CaCO3=94.4 %CaCO3=92.1	1	0.5				
	A/P	NN2							1.0				
						V-1716 Φ=50.0 ρ=1.87 V-1723 Φ=46.6 ρ=1.91	%CaCO3=95.5 %CaCO3=93.5	2					*
					V-1694 Φ=46.6 ρ=1.91		%CaCO3=93.0	3					
								4					
								5					
								6					
								7					
								CC					

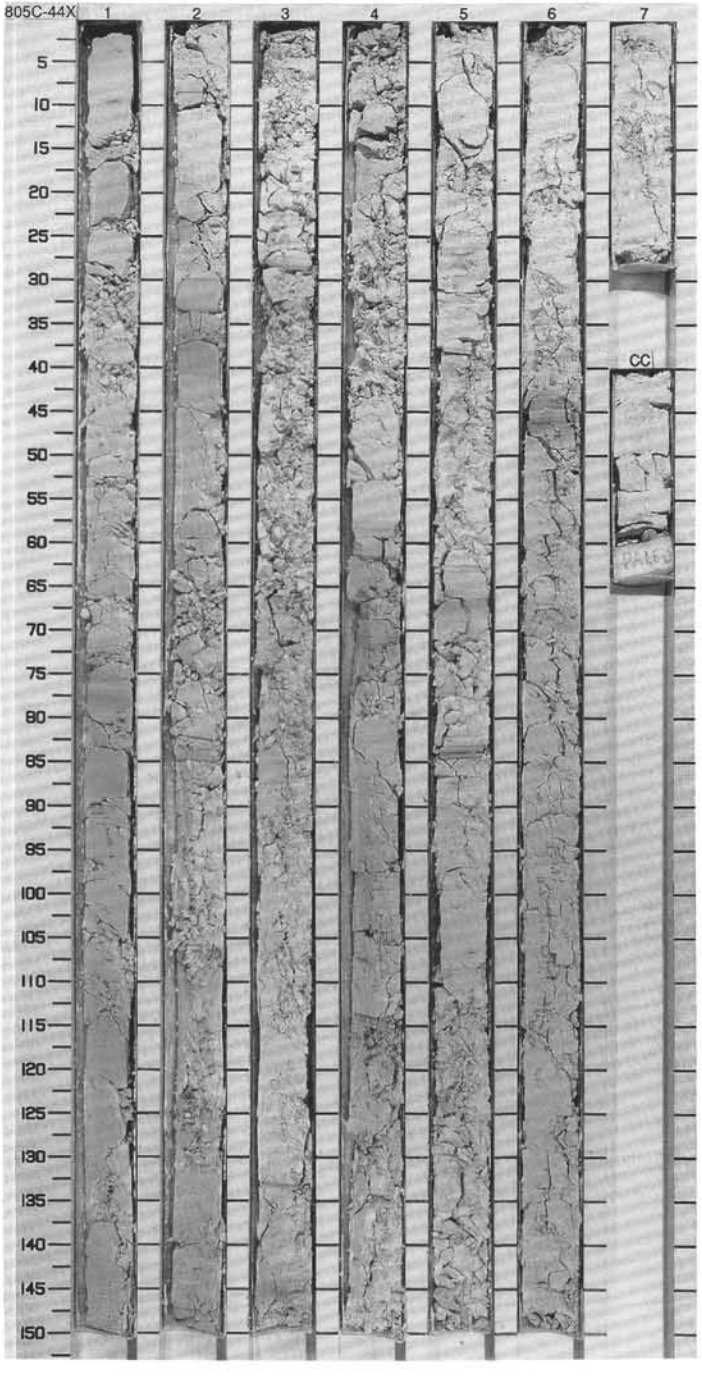
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK with FORAMINIFERS

Major lithology: This core contains NANNOFOSSIL CHALK with FORAMINIFERS. It is predominantly white (10YR 8/1 to 2.5Y 8/0) and grades into shorter intervals of pale blue (5PB 7/2). Well-developed greenish gray (5G 6/1) and gray (N5/) color bands are common. Color bands in Section 5 are microfaulted. Five to ten cm thick, pale blue, intervals underlie most color bands. In addition to pyritized burrows and *Zoophycos* trace fossils, diffuse pale blue (5PB 7/2) and pale purple (5P 6/2) color mottling is common. The entire core is slightly bioturbated.

SMEAR SLIDE SUMMARY (%):

	2, 45 D
TEXTURE:	
Sand	20
Silt	75
Clay	5
COMPOSITION:	
Foraminifers	15
Nannofossils	80
Radiolarians	3
Spicules	2



SITE 805 HOLE C CORE 45X CORED INTERVAL 418.7-428.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIOCENE	N5	NN2				V=1671 Φ=49.8 ρ=2.1.87 Φ=53.5 ρ=2.1.79	%CaCO3 =92.4 %CaCO3=94.5	1	0.5 1.0				
						V=1725 Φ=48.1 ρ=2.1.90 Φ=51.9 ρ=2.1.83	%CaCO3=92.1 %CaCO3=93.3	2 3 4 5 6 CC					*

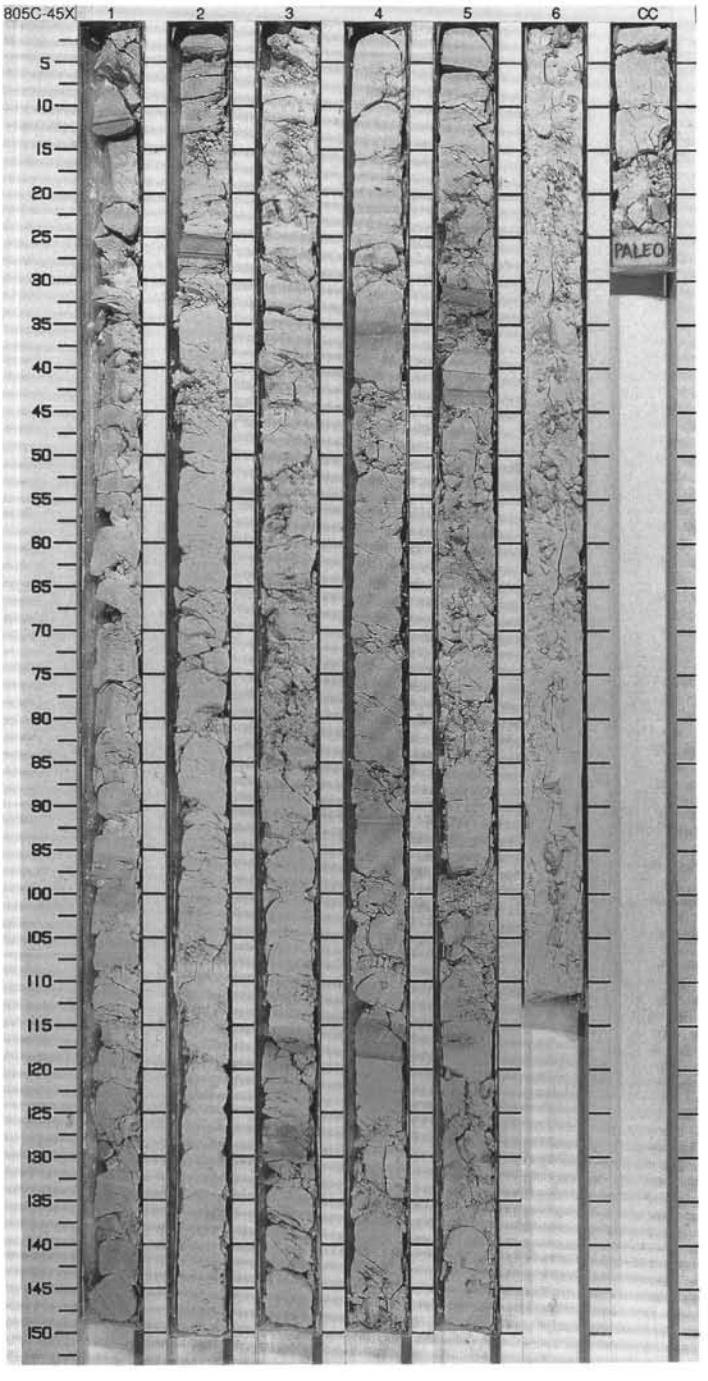
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

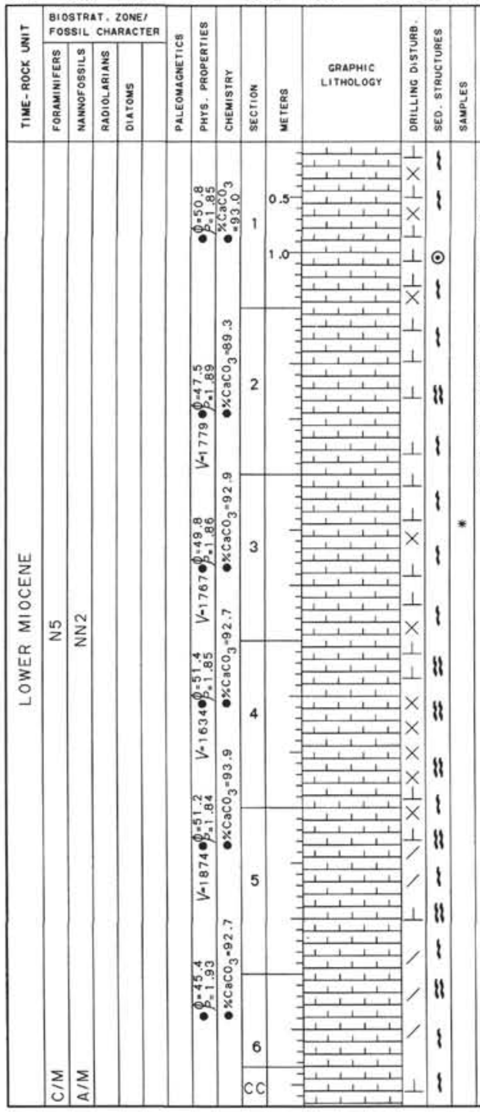
Major lithology: The core contains NANNOFOSSIL CHALK. It is predominantly white (2.5Y 8/0), but grades into mottled pale blue (5PB 7/2) over short intervals. Distinct pale blue (5PB 7/2), gray (N5/) and light greenish gray (5GY 7/1) color bands are common. Mottling and pyritized burrows are evidence of slight to moderate bioturbation throughout the core.

SMEAR SLIDE SUMMARY (%):

	2, 40	0
TEXTURE:		
Sand	7	
Silt	60	
Clay	33	
COMPOSITION:		
Foraminifers	5	
Glass	Tr	
Nannofossils	93	
Quartz	Tr	
Radiolarians	2	



SITE 805 HOLE C CORE 46X CORED INTERVAL 428.4-438.1 mbsf



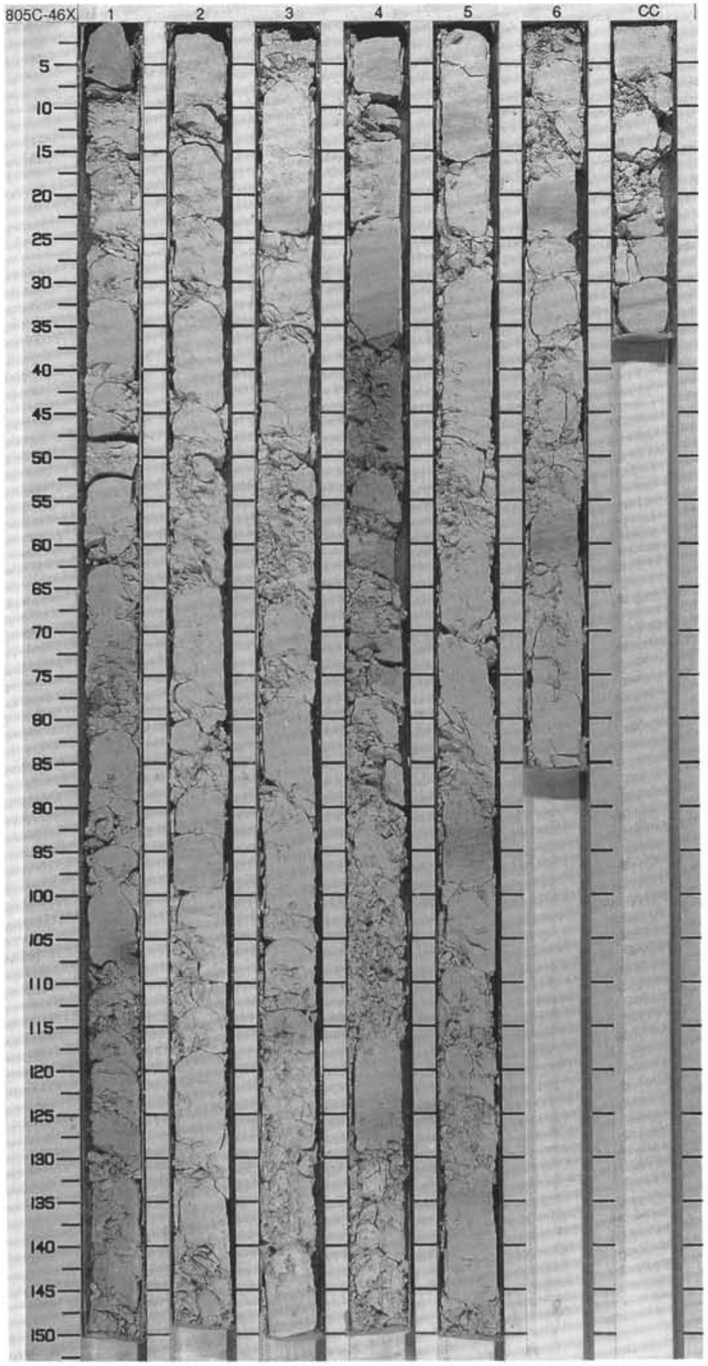
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: The core contains moderately to heavily bioturbated NANNOFOSSIL CHALK. It is predominantly white (2.5Y 8/0) in color but grades into pale purple (5P 6/2) between 60 and 135 cm in Section 1 and between 20 and 60 cm in Section 4. Heavily burrowed, light gray (5Y 7/1), 5 to 10 cm thick intervals of sediment are noted throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 45
	D
TEXTURE:	
Sand	15
Silt	80
Clay	5
COMPOSITION:	
Foraminifers	8
Nannofossils	90
Radiolarians	2



SITE 805 HOLE C CORE 47X CORED INTERVAL 438.1-447.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIOCENE	A/G N5	A/M NN2				●V-1683 ●%$CaCO_3$=93.5 ●V-1799 ●%$CaCO_3$=87.8 ●V-1827 ●%$CaCO_3$=86.2 ●V-1776 ●%$CaCO_3$=91.5 ●V-1582 ●%$CaCO_3$=92.5 ●V-1792 ●%$CaCO_3$=91.8	0-47.8 P-1.88 0-53.8 P-1.79 0-51.8 P-1.82 0-48.1 P-1.89	1 2 3 4 5 6 7 CC	0.5 1.0			*	

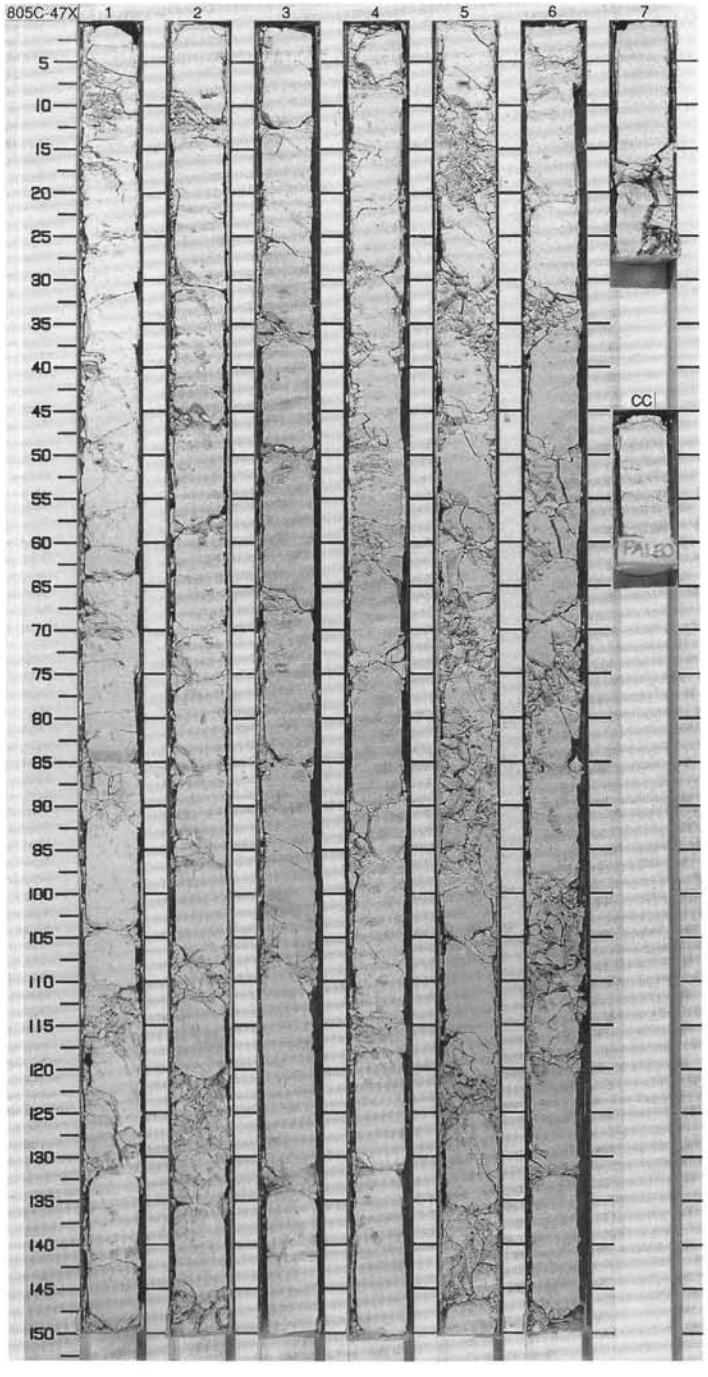
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

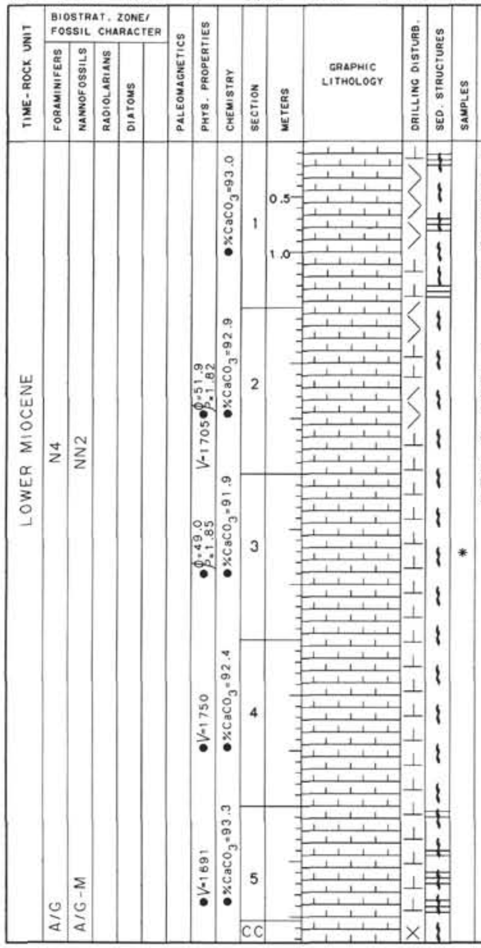
Major lithology: The core contains moderately to heavily bioturbated NANNOFOSSIL CHALK. It is predominantly white (2.5Y 8/0) in color but grades into pale purple in the upper portion of Section 3. A faint, light gray (5Y 7/1) color band is visible at Section 1, 82 cm. A grayish purple (5P 4/2) halo is present in Section 7.

SMEAR SLIDE SUMMARY (%):

	1, 99 D
TEXTURE:	
Sand	10
Silt	85
Clay	2
COMPOSITION:	
Foraminifers	8
Nannofossils	85
Radiolarians	2
Silicoflagellates	3



SITE 805 HOLE C CORE 48X CORED INTERVAL 447.7-457.4 mbsf



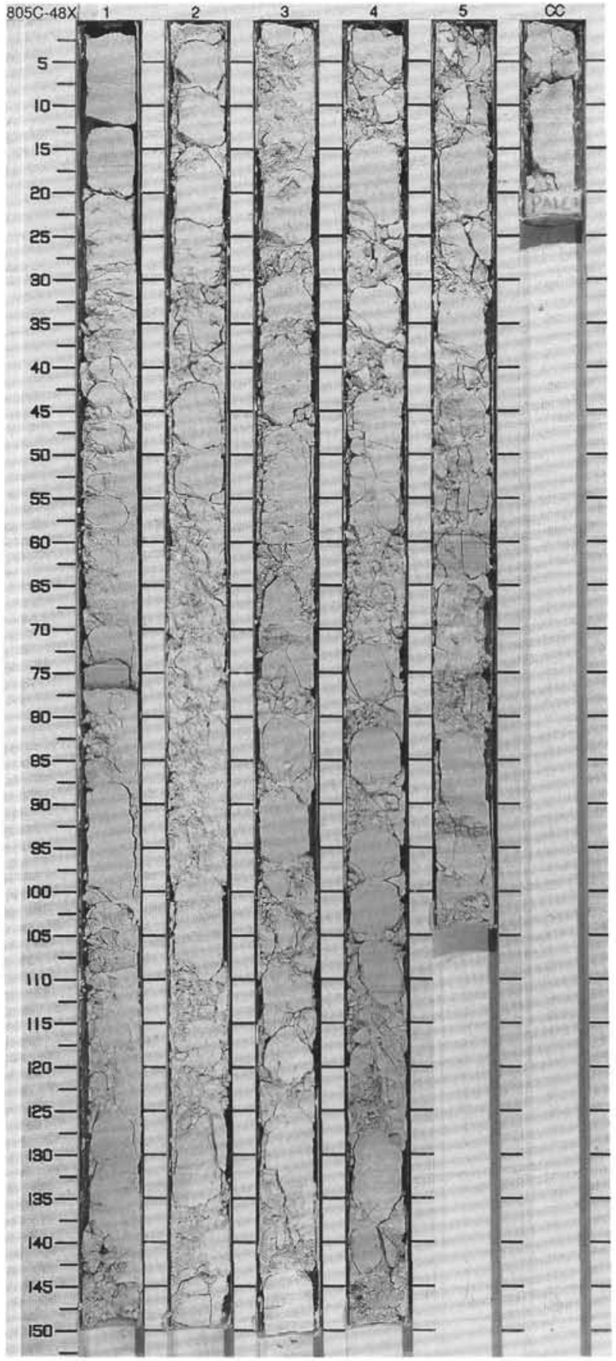
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: The core contains NANNOFOSSIL CHALK. It is predominantly white (2.5 Y 8/0) in color but grades into pale blue (5P 7/2) in the lower part of Section 4 and into very pale purple (5RP 8/2) in Section 5. The sediment is moderately bioturbated with well-developed *Zoophycos* trace fossils. Faint to distinct, mm size, light gray (5Y 7/1), gray (N 6/1) and greenish gray (5G 6/1) color bands are common.

SMEAR SLIDE SUMMARY (%):

	3, 71 D
TEXTURE:	
Sand	10
Silt	85
Clay	5
COMPOSITION:	
Foraminifers	8
Nannofossils	90
Radiolarians	2



SITE 805 HOLE C CORE 49X CORED INTERVAL 457.4-467.0 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS
LOWER MIOCENE	N4	NN2				● V=1788	● %CaCO3=89.7	1	0.5, 1.0
							● %CaCO3=91.6	2	
								3	
	A/M	A						4	
								CC	

BIOSTRAT. ZONE/ FOSSIL CHARACTER

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

*

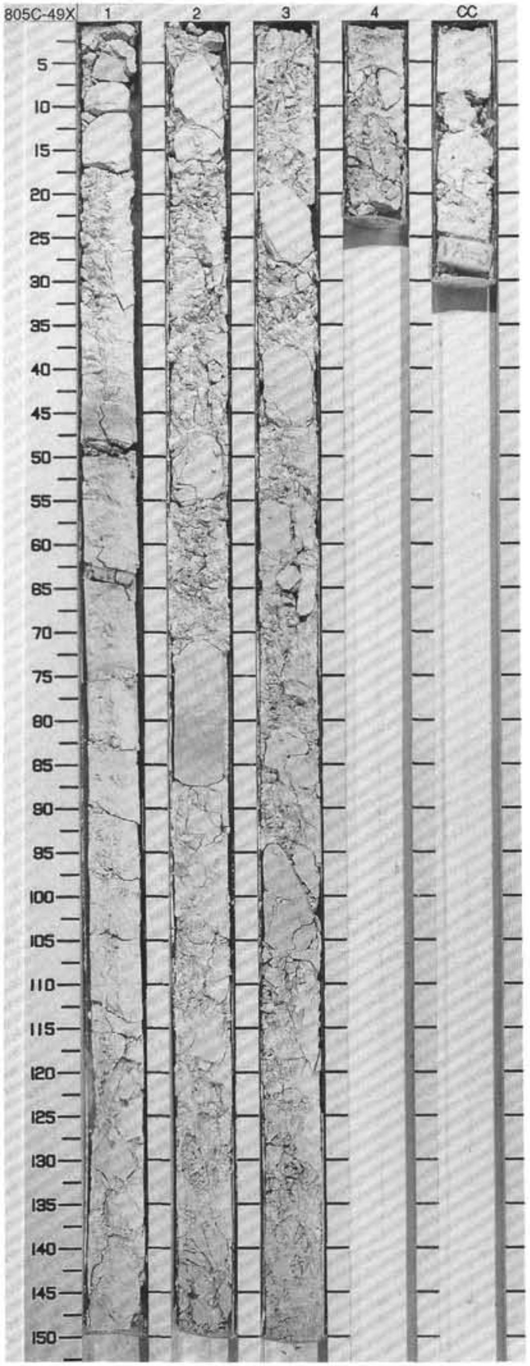
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: The core contains slightly to moderately bioturbated NANNOFOSSIL CHALK. It is predominantly white (2.5Y 8/0, 5Y 8/1 and 10YR 8/1) in color with a 10-cm-thick, light gray zone in Section 2. Distinct, mm-size, grayish green (5G 5/2) color bands are seen in Section1. and mm to cm size, diffuse pale blue (5PB 7/2) bands are present throughout the core.

SMEAR SLIDE SUMMARY (%):

	3, 50
	D
TEXTURE:	
Silt	95
Clay	5
COMPOSITION:	
Foraminifers	1
Nannofossils	99
Radiolarians	Tr



SITE 805 HOLE C CORE 50X CORED INTERVAL 467.0-475.5 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	A/M N4	A/P NN2	A/M *Stichocorys delmontensis*	F/P NTD 1 (*Rosiella paleacea*)		●V-1598 ●V-1634	●%$CaCO_3$=94.0 ●%$CaCO_3$=93.8	1 2 3 4 5 CC	0.5 1.0			*	

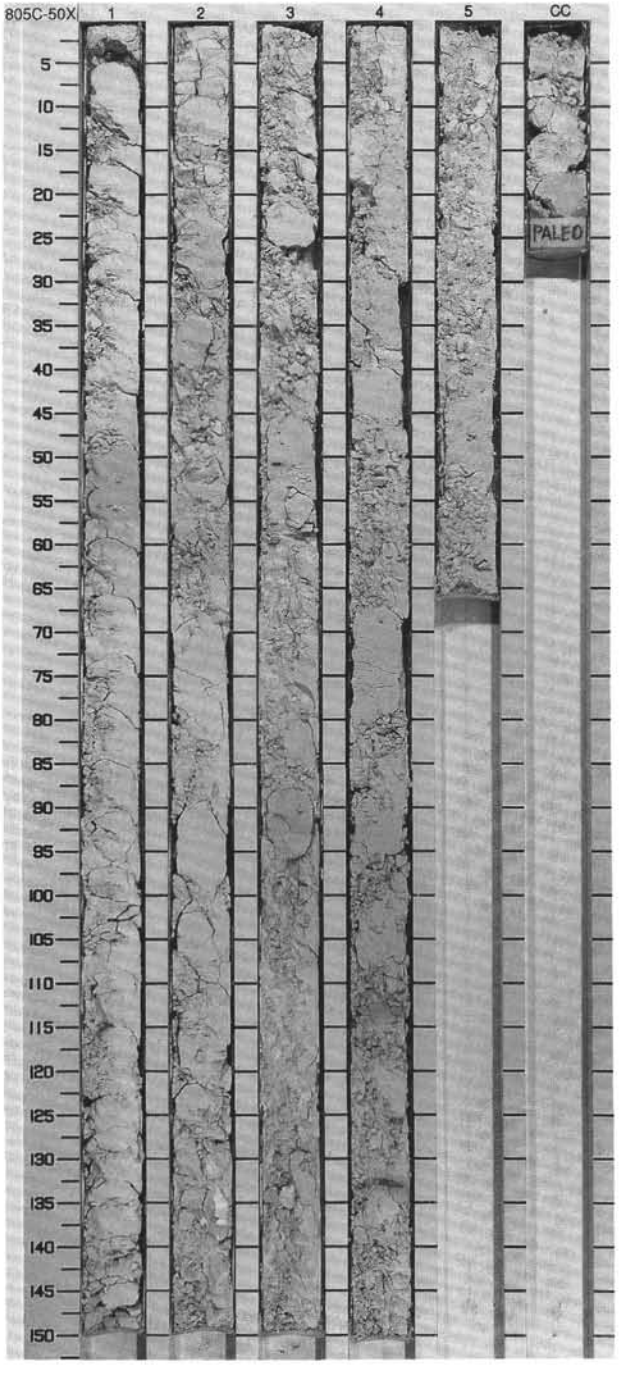
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

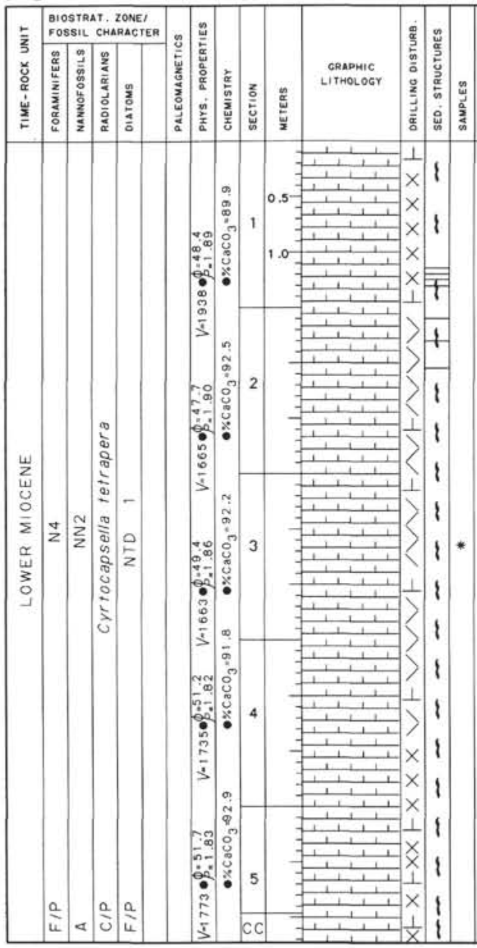
Major lithology: This core contains NANNOFOSSIL CHALK, which is predominantly white (2.5Y 8/0) but grades to pale blue (5PB 7/2) and pale pink (5RP 8/2) in 10 to 40 cm-thick intervals of Sections 1,2, and 3. Well-defined, mm scale, greenish gray (5GY 6/1), pale blue (5PB 7/2), and gray (N5/) bands are present in Sections 2 and 4. The entire core is slightly to moderately bioturbated.

SMEAR SLIDE SUMMARY (%):

	2, 80 D
TEXTURE:	
Sand	8
Silt	60
Clay	32
COMPOSITION:	
Foraminifers	5
Nannofossils	92
Radiolarians	3



SITE 805 HOLE C CORE 51X CORED INTERVAL 475.5-485.2 mbsf



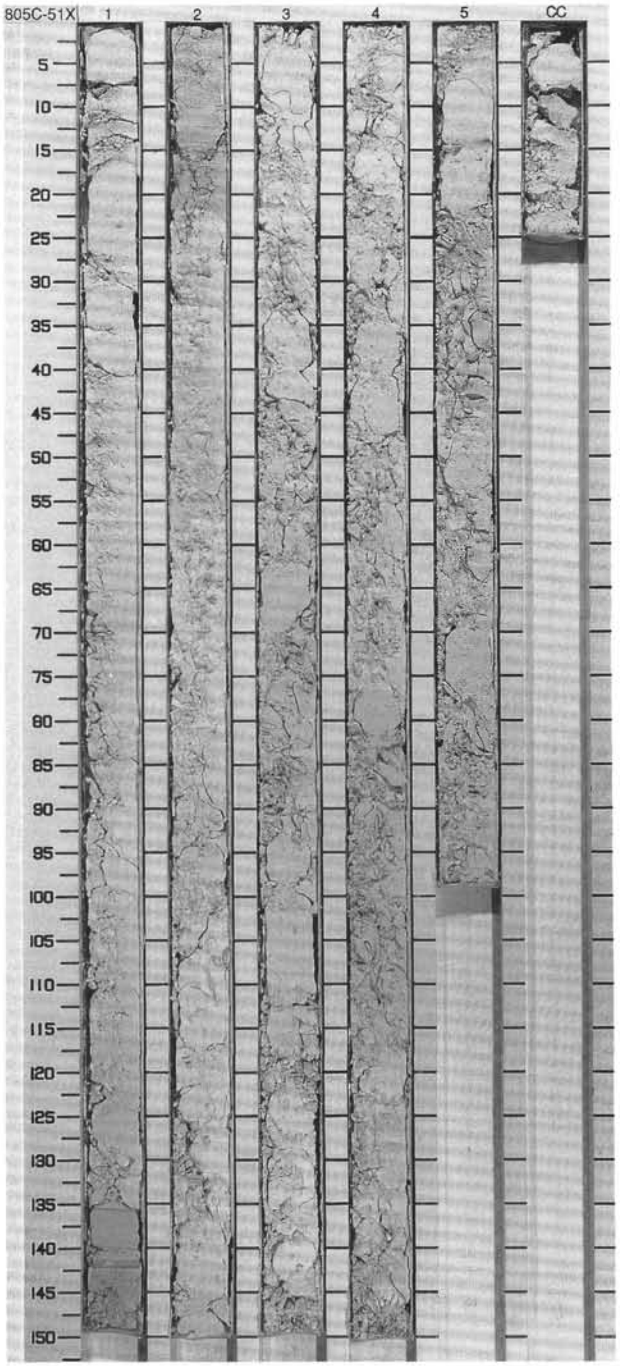
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains moderately bioturbated NANNOFOSSIL CHALK. The core is predominantly white (2.5Y 8/0) in color, but the lower part of Section 1 and the upper part of Section 2 are pale purple (5P 6/2). Light gray (5Y 7/1), cm size color band with mm-size, grayish green sub-bands, are present in Sections 1 and 2.

SMEAR SLIDE SUMMARY (%):

	3, 64
	D
TEXTURE:	
Sand	2
Silt	95
Clay	3
COMPOSITION:	
Foraminifers	5
Nannofossils	92
Radiolarians	3



SITE 805 HOLE C CORE 52X CORED INTERVAL 485.2-494.9 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	A/G N4	A/M NN2	C/P *Cyrtocapsella tetrapera*	F/P NTD 1		V-1664 Φ=51.3 ρ=1.83	●%$CaCO_3$=90.8	4					
							●%$CaCO_3$=92.7	3					
						V-1804 Φ=49.1 ρ=1.88							
						V-1804 Φ=49.7 ρ=1.87	●%$CaCO_3$=92.3	2					
						V-1663 Φ=48.3 ρ=1.88	●%$CaCO_3$=92.8	1	0.5				
									1.0				
								CC					

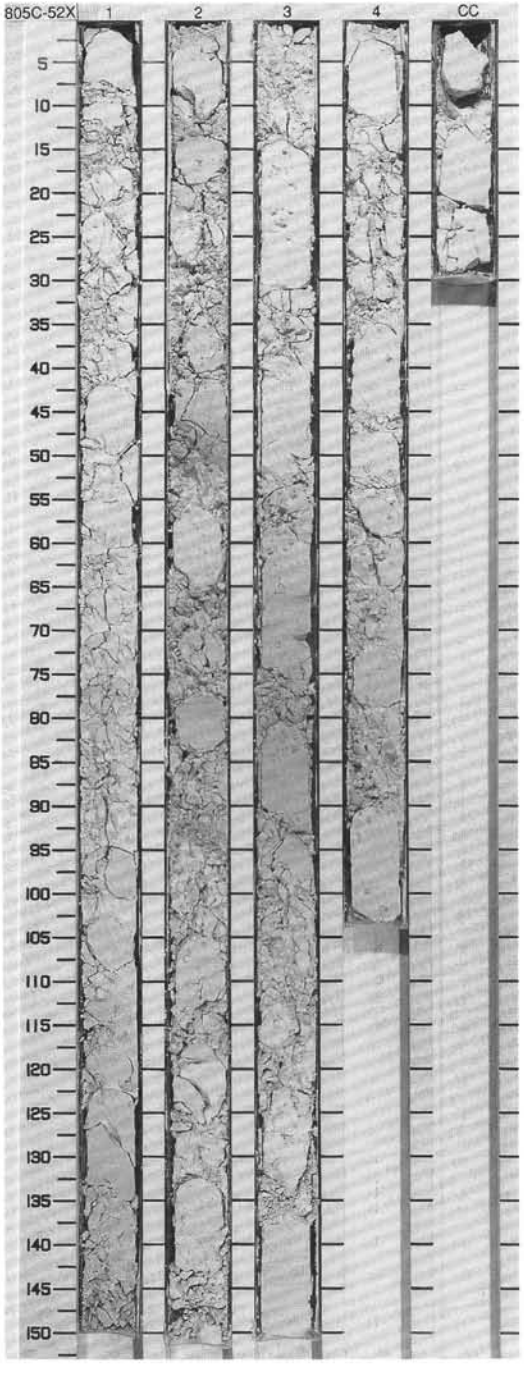
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

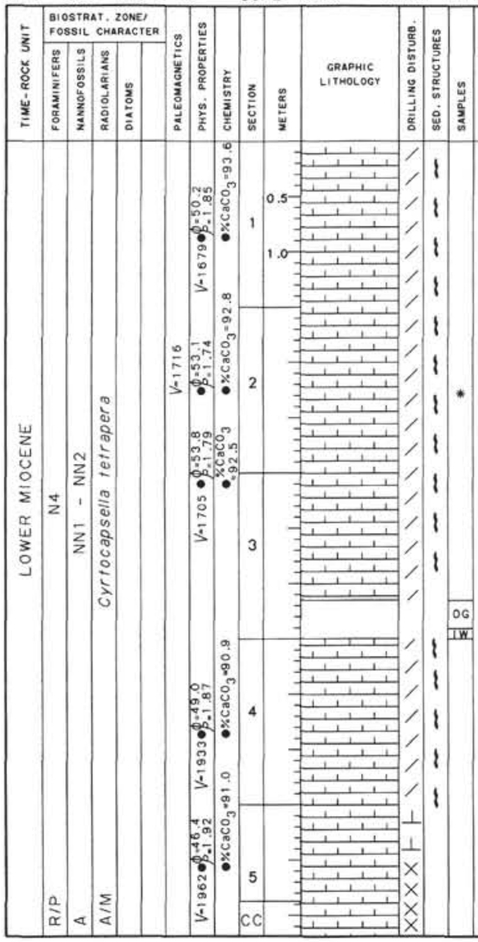
Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL CHALK, which grades into pale pink (5RP 8/2) in the lower half of Section 1, the top half of Section 2, and a 30 cm interval in the middle of Section 3. The core is moderately fragmented to highly fractured. Bioturbation is slight to moderate. In Section 2, white and pale blue (5PB 7/2) color bands and well-defined, mm scale, greenish gray (5G 6/1) color bands are noted.

SMEAR SLIDE SUMMARY (%):

	3, 49 D
TEXTURE:	
Sand	2
Silt	95
Clay	3
COMPOSITION:	
Foraminifers	4
Nannofossils	95
Radiolarians	1



SITE 805 HOLE C CORE 53X CORED INTERVAL 494.9-504.6 mbsf



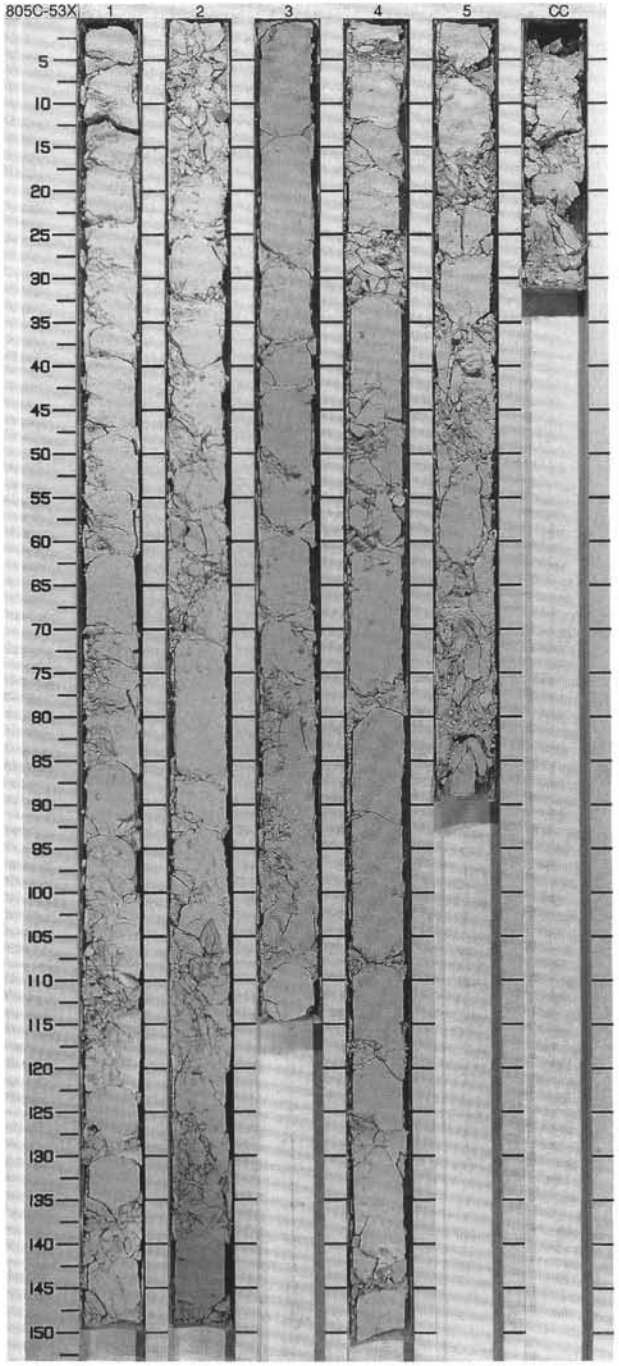
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains moderately to highly bioturbated, homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK. The core is pale purple (5P 6/2) from the lower part of Section 2 through the middle of Section 3. Sections 1 through 4 are slightly fractured, while Sections 5 and CC are moderately fractured to brecciated.

SMEAR SLIDE SUMMARY (%):

	2, 79
	D
TEXTURE:	
Sand	10
Silt	85
Clay	5
COMPOSITION:	
Foraminifers	8
Nannofossils	90
Radiolarians	2



SITE 805 HOLE C CORE 54X CORED INTERVAL 504.6-514.2 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	R/P	N4						1	0.5				
	A/G	NN1 - NN2							1.0				
	A/M	*Dorcadospyris ateuchus - Lychnocanoma elongata*						2					*
	R-F/P-M			NDT 12				3					
								4					
								5					
								CC					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains heavily bioturbated, homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK. From Section 2, 37 cm to Section 3, 73 cm, the chalk is pale pink (5RP 8/2) in color.

SMEAR SLIDE SUMMARY (%):

	2, 75 D
TEXTURE:	
Sand	1
Silt	49
Clay	50
COMPOSITION:	
Foraminifers	8
Nannofossils	90
Siliceous fragments	2

SITE 805 HOLE C CORE 55X CORED INTERVAL 514.2-523.9 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
LOWER MIOCENE	R/P	N4	A	NN1 - NN2	A/P	*D. ateuchus - L. elongata*	F/P-M	?		V=1890 0-44.1 P=1.93 V=1807 0-46.1 P=1.91 V=1855 0-48.2 P=1.89 %$CaCO_3$ 89.5 %$CaCO_3$ 94.5 %$CaCO_3$ 92.8	1 2 3 CC	0.5 1.0				

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK. The sediment has abundant burrows and trace fossils, indicative of heavy bioturbation. These structures appear to be compacted and possibly smeared. The sediment at Section 2, 125 to 140 cm, shows evidence of cracks that have rehealed.

SMEAR SLIDE SUMMARY (%):

	2, 70
	D
TEXTURE:	
Sand	10
Silt	60
Clay	30
COMPOSITION:	
Foraminifers	Tr
Nannofossils	100
Siliceous fragments	Tr

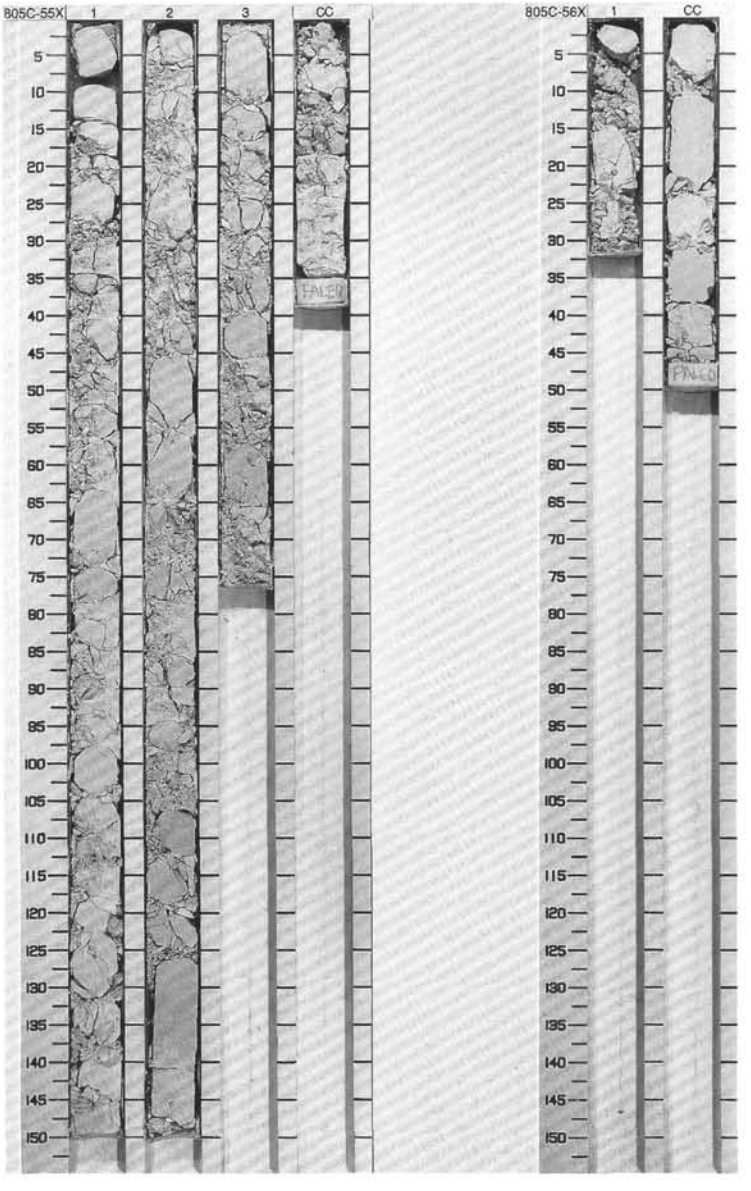
SITE 805 HOLE C CORE 56X CORED INTERVAL 523.9-533.5 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER OLIGOCENE	P22	NN1 - NN2	*Dorcadospyris ateuchus?*	*Bogorovia veniamini*	F/P	A/M	A/M	F/P-M			1 CC					

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK. The chalk has abundant bioturbation structures that appear to be compacted and possibly smeared (tectonized).

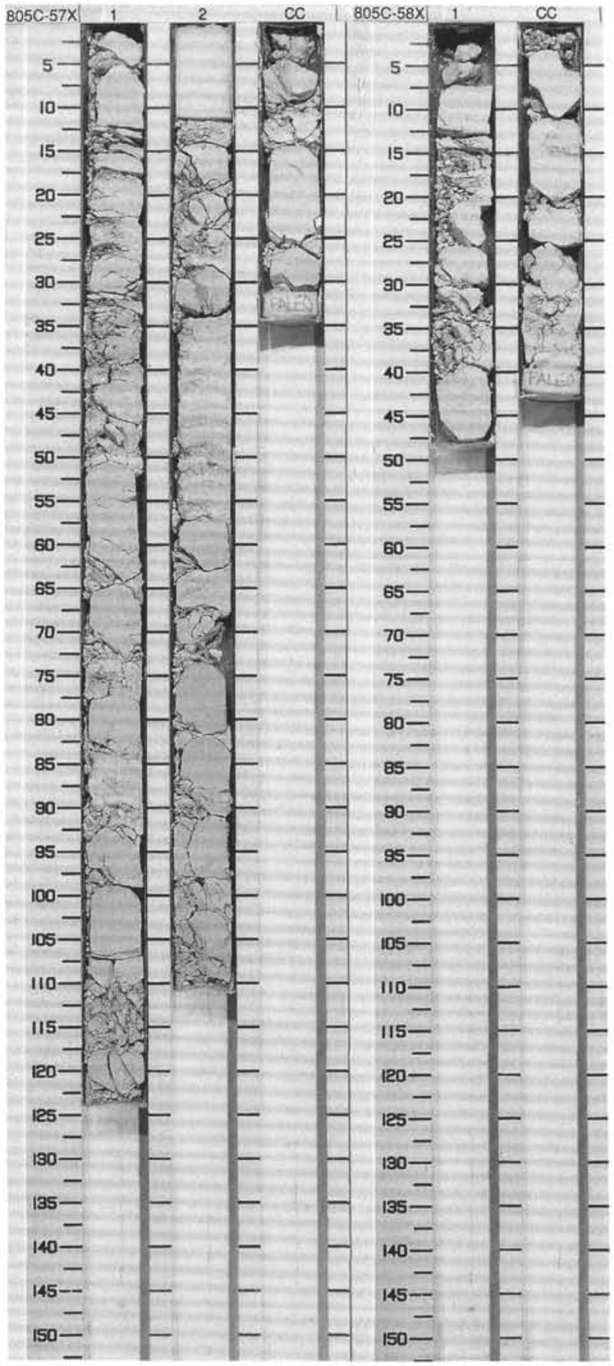


SITE 805 HOLE C CORE 57X CORED INTERVAL 533.5-543.2 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER OLIGOCENE	P22 F/M	NN1 - NN2 A/M		*Bogorovia veniamini* C/P		V-1799 ● φ=51.4 ρ=1.85; V-1843 ● φ=47.3 ρ=1.89	● %$CaCO_3$=91.5; ● %$CaCO_3$=81.8	1, 2, CC	0.5, 1.0				OG, IW	NANNOFOSSIL CHALK Major lithology: This core contains heavily bioturbated, homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK. Burrow fills are extensively fractured and stretched.

SITE 805 HOLE C CORE 58X CORED INTERVAL 543.2-552.9 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER OLIGOCENE	P22	NN1 - NN2 A/P	*D. ateuchus - L. elongata* C/P	*Rocella vigilans* C/P		V-1868 ● φ=45.3 ρ=1.94	● %$CaCO_3$=95.2	1, CC						NANNOFOSSIL CHALK Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK. The chalk is bioturbated, evident from abundant burrows and trace fossils. These structures appear to be compacted and smeared (tectonized).

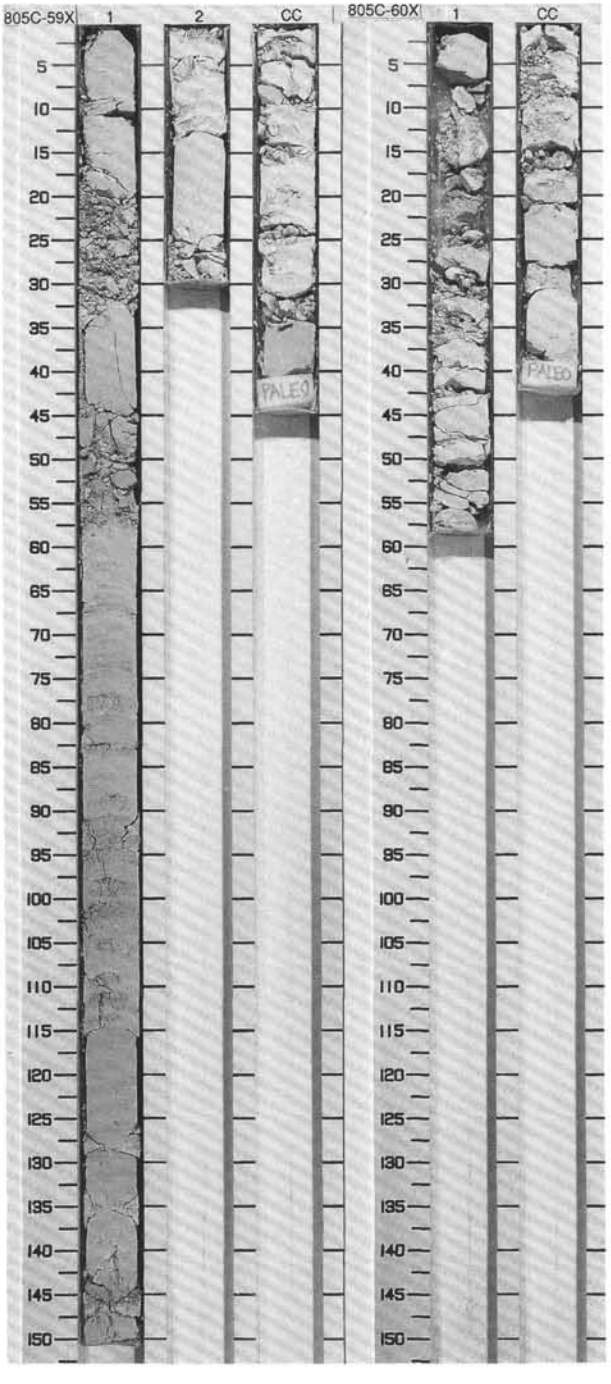


SITE 805 HOLE C CORE 59X CORED INTERVAL 552.9-562.6 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER OLIGOCENE	F/M P22	A/M NP25?				V=1836 ϕ=41.7 ρ=2.00 V=1919 ϕ=43.7 ρ=1.94	%$CaCO_3$ =89.3 %$CaCO_3$ =88.9	1 2 CC	0.5 1.0				*	NANNOFOSSIL CHALK Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK. Bioturbation is apparent from abundant trace fossils. The core is highly disturbed by the *coring process.* SMEAR SLIDE SUMMARY (%): CC, 18 D TEXTURE: Sand 5 Silt 65 Clay 30 COMPOSITION: Foraminifers 3 Nannofossils 95 Siliceous fragments 2

SITE 805 HOLE C CORE 60X CORED INTERVAL 562.6-572.3 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	LITHOLOGIC DESCRIPTION
UPPER OLIGOCENE	F/M P22	A/M NP25	C/P *D. ateuchus - L. elongata*	A/P *Rocella vigilans*		V=1862 ϕ=47.5 ρ=1.90	%$CaCO_3$ =93.8	1 CC	0.5					NANNOFOSSIL CHALK Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK.



SITE 805 HOLE C CORE 61X CORED INTERVAL 572.3-582.0 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 OLIGOCENE	F/G	P21b	NP24	A/P		V=1908 ϕ=44.3 ρ=1.95	%CaCO3=83.3	1	0.5				
						V=1923 ϕ=43.3 ρ=1.97	%CaCO3=87.7	2	1.0			*	
						ϕ=48.3 ρ=1.90	%CaCO3=94.1	3					
						V=1841 ϕ=46.3 ρ=1.93	%CaCO3=94.2	4					OG
								5					IW
								6					
								7					
								CC					

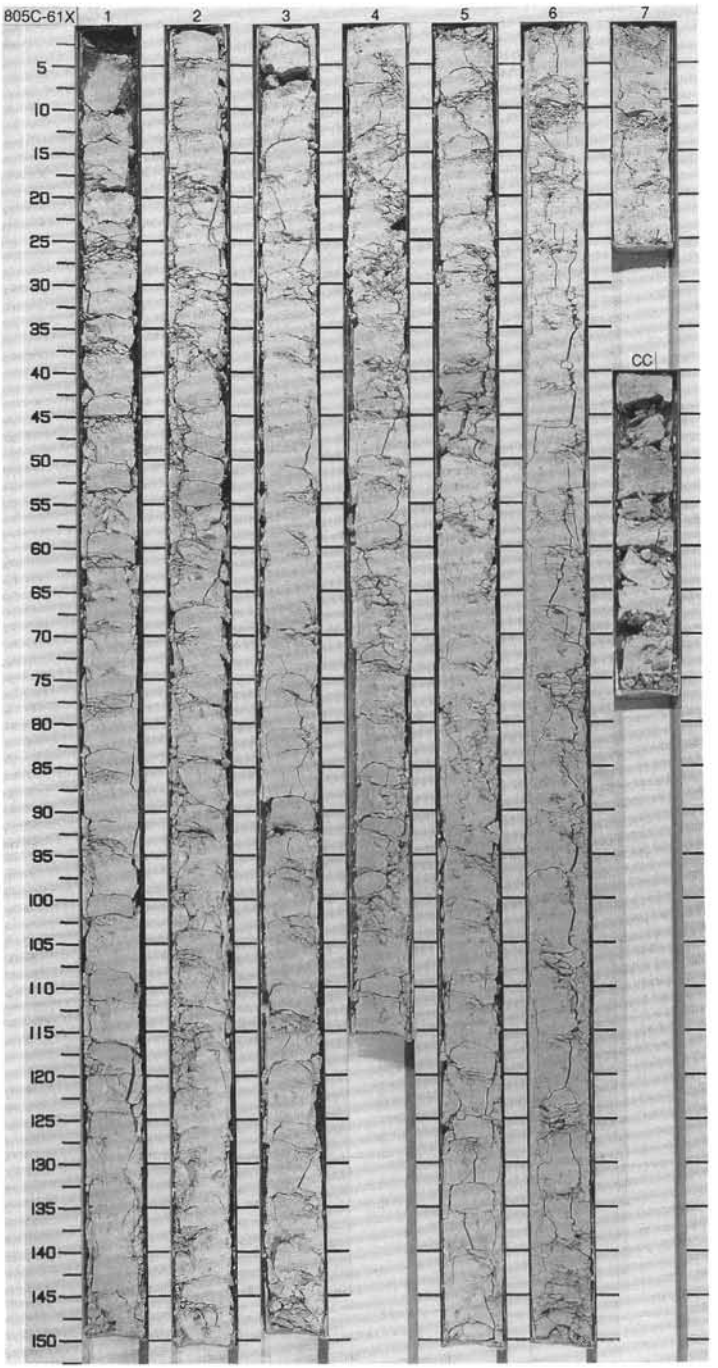
LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK. Drilling biscuits are regularly spaced at about 10 cm intervals. Abundant bioturbation is evident in the biscuits. Some of the mottles are fragmented and stretched. About 50% of the core is disturbed by the drilling process.

SMEAR SLIDE SUMMARY (%):

	2, 74
	D
TEXTURE:	
Sand	1
Silt	59
Clay	40
COMPOSITION:	
Foraminifers	5
Nannofossils	92
Siliceous fragments	3



SITE 805 HOLE C CORE 62X CORED INTERVAL 582.0-591.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER? OLIGOCENE	P21b	NP23	*Dorcadospyris ateuchus - Lychnocanoma elongata*	*Rocella vigilans*		●0-42.7 ρ=1.98 V=1913 ●0-44.4 ρ=1.95 V=1923 ●0-45.4 ρ=1.94	●%$CaCO_3$=91.8 ●%$CaCO_3$=95.0 ●%$CaCO_3$=92.3	1 2 3 4 CC	0.5 1.0				*

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK. Drilling disturbance has resulted in highly fragmented chalk biscuits embedded in a stiff ooze matrix and spaced at approximately 10 cm intervals. The sediment is moderately bioturbated as indicated by trace fossils.

SMEAR SLIDE SUMMARY (%):

	2, 74 D
TEXTURE:	
Sand	5
Silt	65
Clay	30
COMPOSITION:	
Accessory minerals	1
Foraminifers	2
Nannofossils	95
Siliceous fragments	2

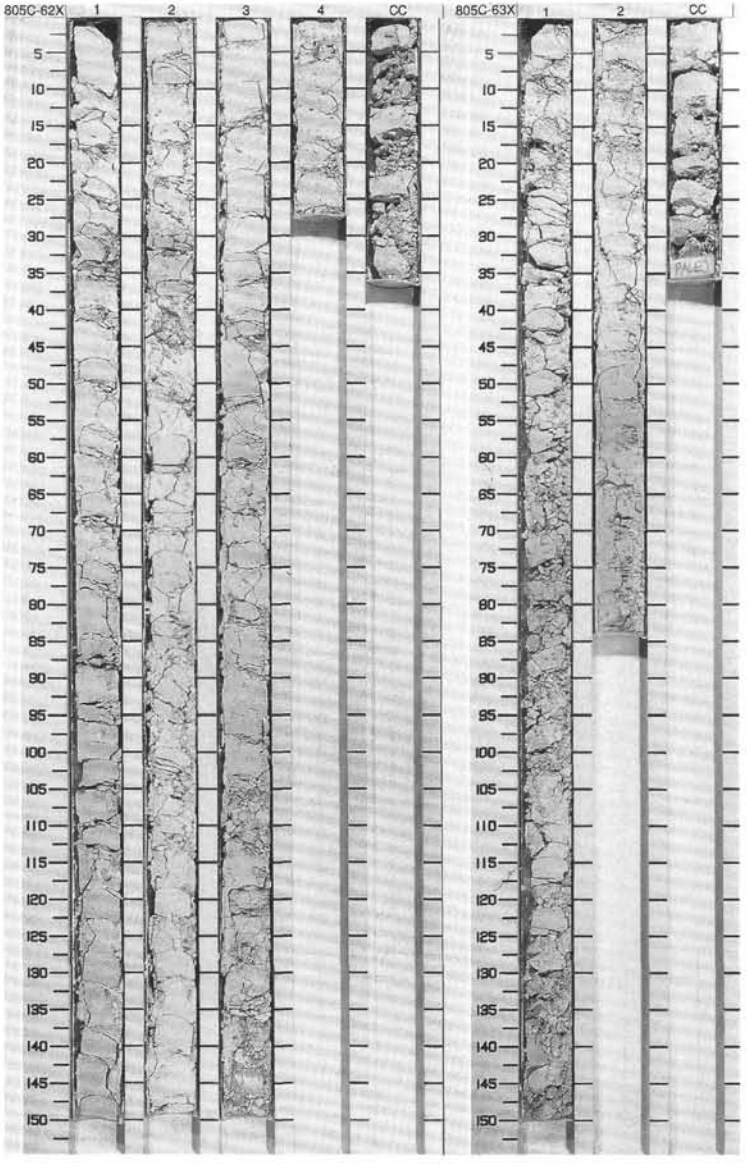
SITE 805 HOLE C CORE 63X CORED INTERVAL 591.7-601.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER? OLIGOCENE	P21b	NP23				V=1870 ●0-45.3 ρ=1.93 V=1918 ●0-45.0 ρ=1.96	●%$CaCO_3$=94.5 ●%$CaCO_3$=95.3	1 2 CC	0.5 1.0				

LITHOLOGIC DESCRIPTION

NANNOFOSSIL CHALK

Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK. At the base of Section 1 and the top of Section 2, several 20 cm thick pale pink (5RP 8/2) intervals are noted. The core is highly fragmented to brecciated. Chalk biscuits are embedded in a stiff ooze matrix and spaced evenly at 10 cm intervals. The sediment is moderately bioturbated as indicated by trace fossils.



SITE 805 HOLE C CORE 64X CORED INTERVAL 601.3-611.0 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
UPPER? OLIGOCENE	R/M P21b	A/P NP23	D. ateuchus - L. elongata A/M	F/P ?		V=1898 Φ=43.0 ρ=1.97	%CaCO3=93.7	1	0.5					NANNOFOSSIL CHALK Major lithology: This core contains homogeneous, white (2.5Y 8/0) NANNOFOSSIL CHALK. The few chalk biscuits are bioturbated. SMEAR SLIDE SUMMARY (%): 1, 15 D TEXTURE: Sand 5 Silt 50 Clay 40 COMPOSITION: Nannofossils 100
								CC