SITE 814 HOLE A CORE 1H CORED INTERVAL 0.0-5.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER PLEISTOCENE	A/G	A/M			N	67.3% 1.71	96.2%	1	0.5				*
	N22 - N23	CN14b							1.0				*
					N	65.1% 1.70	96.3%	2					*
					N	73.0% 1.88	95.5%	3					*
					N	64.0% 1.77	98.0%	4					*
								CC					

LITHOLOGIC DESCRIPTION

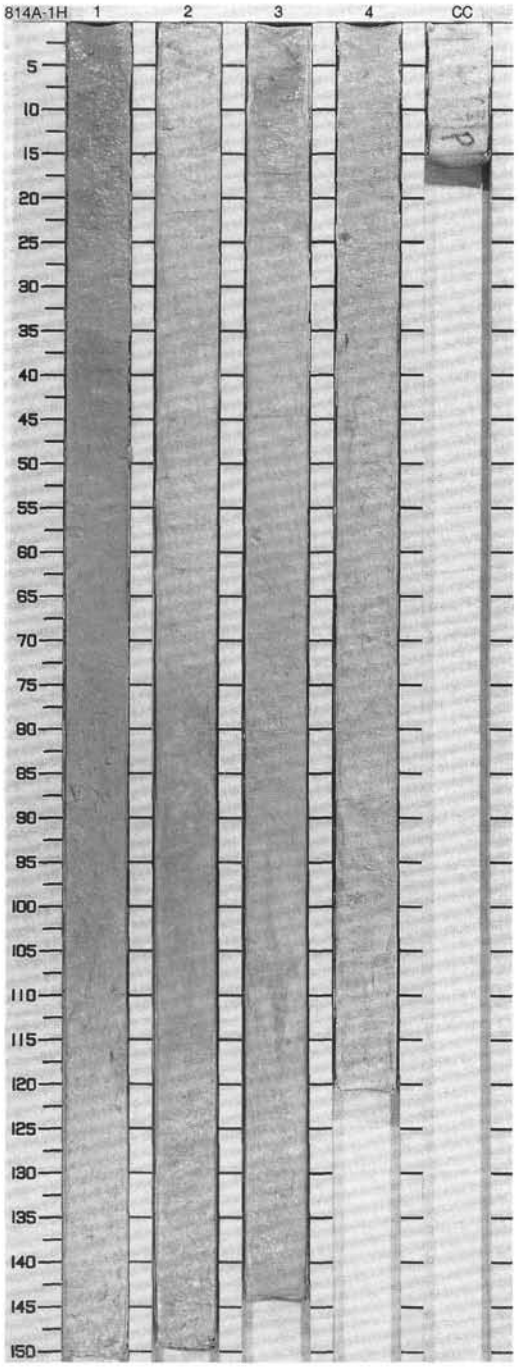
NANNOFOSSIL FORAMINIFER OOZE and NANNOFOSSIL OOZE with FORAMINIFERS

Major lithology: White (10YR 8/1) NANNOFOSSIL FORAMINIFER OOZE and NANNOFOSSIL OOZE with FORAMINIFERS with gray (7.5 R 6/0) burrows and mottling.

Minor lithology: White (10YR 8/1) FORAMINIFERS NANNOFOSSIL OOZE.

SMEAR SLIDE SUMMARY (%):

	1, 43 D	1, 100 D	2, 66 D	3, 111 D
TEXTURE:				
Sand	67	50	30	22
Silt	33	20	70	77
Clay	---	30	---	---
COMPOSITION:				
Bioclast	---	12	---	---
Foraminifers	45	40	20	22
Lithoclast	20	10	8	---
Micrite	---	22	---	---
Nannofossils	30	10	65	75
Quartz	2	4	Tr	---
Rock fragment	---	---	Tr	---
Spicules	---	2	7	3



SITE 814 HOLE A CORE 2H CORED INTERVAL 5.9-15.4 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 PLEISTOCENE	A/M	N22 - N23			R ● 64.6% 1.81	N ● 68.5% 1.71	● 97.2%	1	0.5 1.0			≀	*
	A/M	CN14a			R ?	N ● 65.2% 1.82	● 95.4%	6				≀	IW
					R	N ● 61.4% 1.78	● 96.3%	5				≀	
					N	N ● 64.8% 1.75	● 96.2%	4				≀	*
					N	N ● 66.4% 1.79	● 95.8%	3				≀	
					N	N ● 67.9% 1.73	● 96.5%	2				≀	
					N	N ● 68.5% 1.71	● 97.2%	1	0.5 1.0			≀	*
								CC				≀	

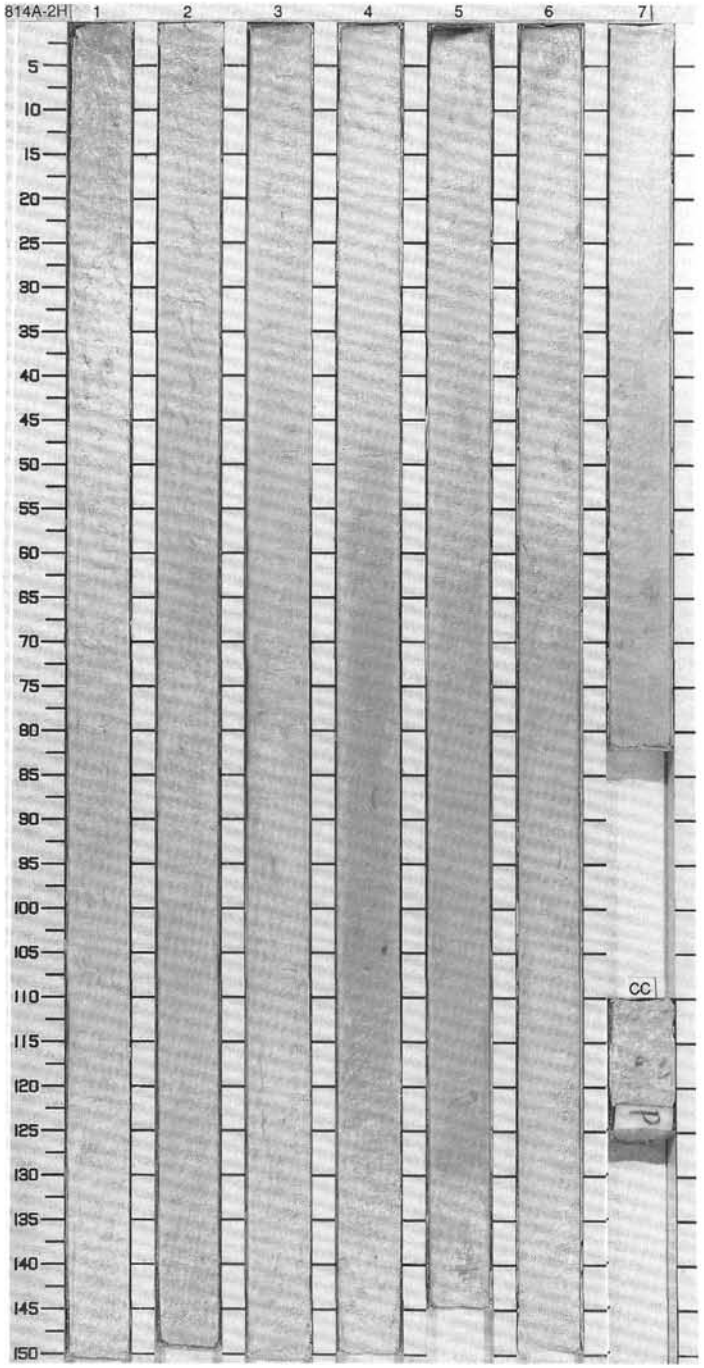
LITHOLOGIC DESCRIPTION

NANNOFOSSIL FORAMINIFER OOZE

Major lithology: White (10YR 8/1) NANNOFOSSIL FORAMINIFER OOZE with light gray (2.5Y 7/1) burrows.

SMEAR SLIDE SUMMARY (%):

	1, 79 D	3, 20 D	4, 16 D
TEXTURE:			
Sand	30	45	40
Silt	35	35	40
Clay	35	20	20
COMPOSITION:			
Bioclast	10	5	5
Dolomite	---	---	Tr
Foraminifers	25	30	25
Intraclasts	---	---	5
Lithoclast	---	10	10
Micrite	35	30	45
Nannofossils	20	10	10
Spicules	5	5	---
Tunicate	5	5	---



SITE 814 HOLE A CORE 3H CORED INTERVAL 15.4-24.9 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 PLEISTOCENE	A/M	A/M			R	N		1	0.5 / 1.0				*
	N22 - N23	CN13b			R	R		2					
					?	?		3					*
					R	R		4					
					?	?		5					OG * LW
					R	R		6					
					R			7					
								CC					P

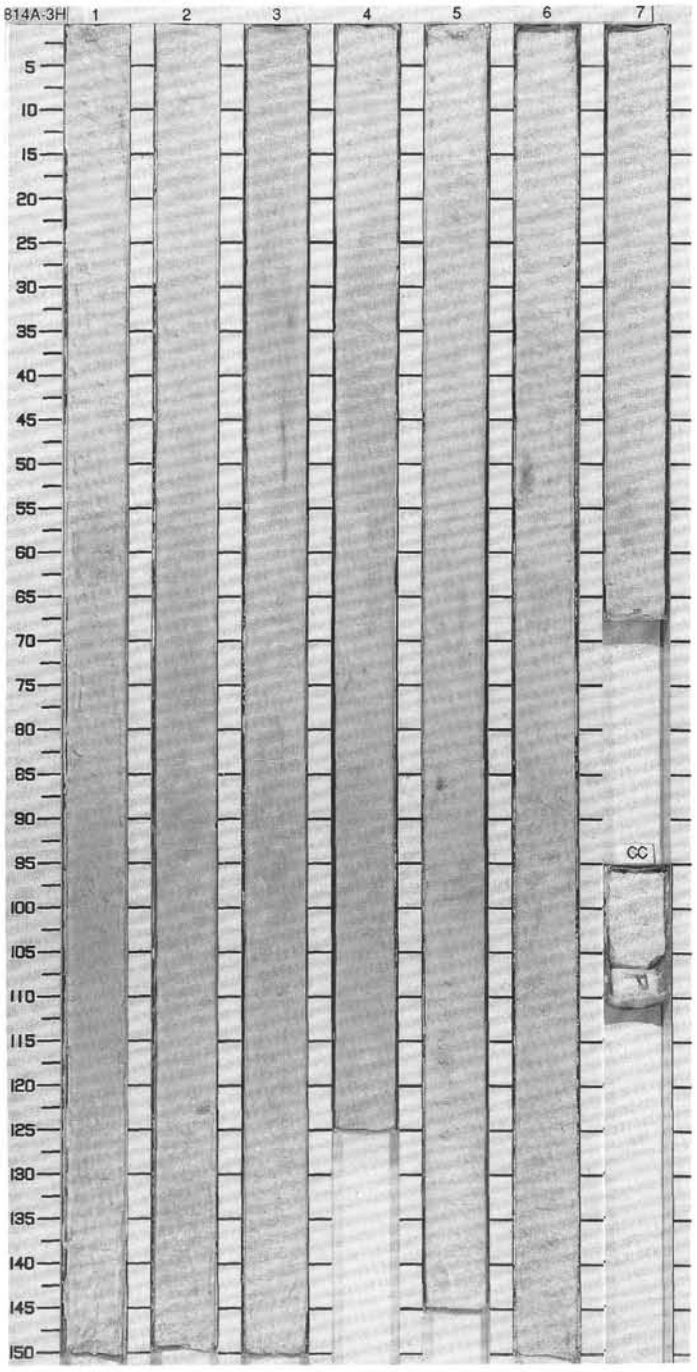
LITHOLOGIC DESCRIPTION

NANNOFOSSIL FORAMINIFER OOZE

Major lithology: White (10YR 8/1) NANNOFOSSIL FORAMINIFER OOZE with light brownish gray (10YR 6/2) burrows and lithoclasts.

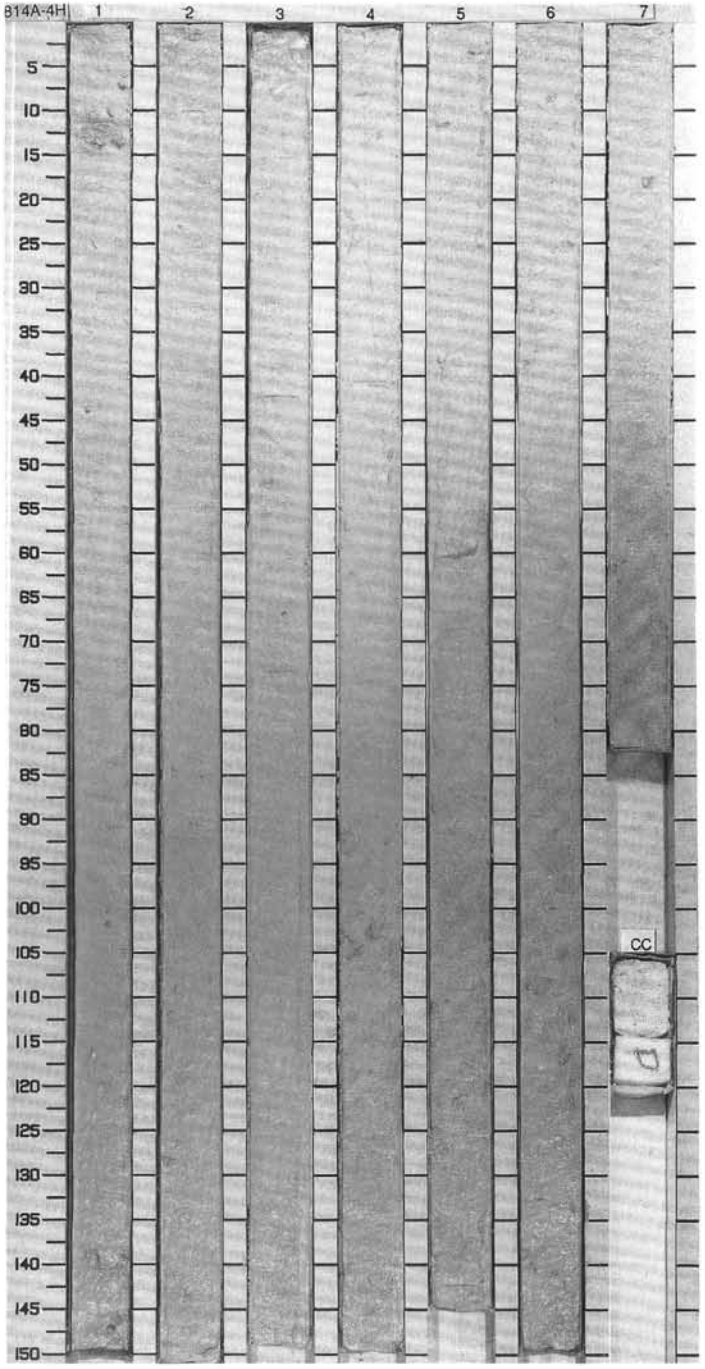
SMEAR SLIDE SUMMARY (%):

	1, 85 D	3, 110 D	5, 85 D
TEXTURE:			
Sand	50	40	50
Silt	20	30	20
Clay	30	30	30
COMPOSITION:			
Bioclast	10	10	14
Foraminifers	30	30	30
Lithoclast	15	15	10
Micrite	24	30	30
Nannofossils	20	10	10
Spicules	Tr	---	5
Tunicate	Tr	---	---



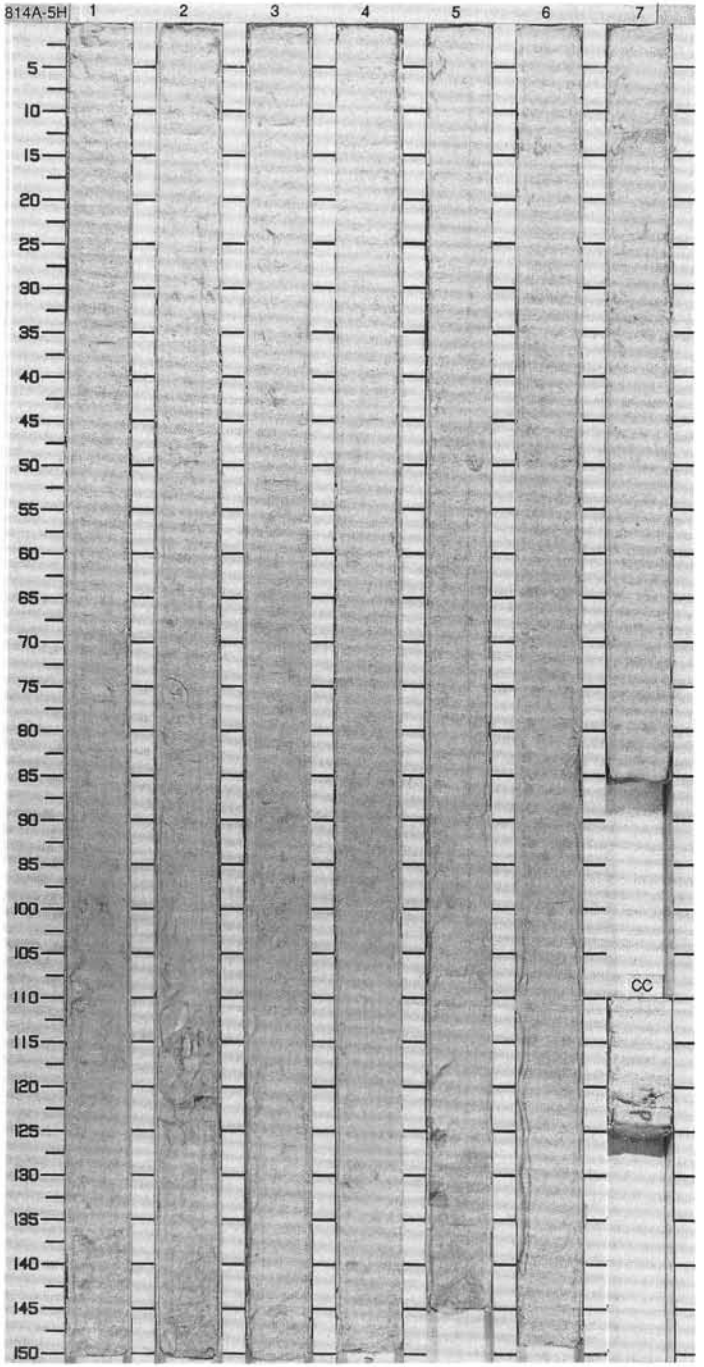
SITE 814 HOLE A CORE 4H CORED INTERVAL 24.9-34.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER PLIOCENE	F/M N22 - N23	A/M CN12d			? R	N	N	1	0.5					*NANNOFOSSIL FORAMINIFER OOZE* Major lithology: White (10YR 8/1) NANNOFOSSIL FORAMINIFER OOZE with lithoclasts. SMEAR SLIDE SUMMARY (%): 6, 100 D TEXTURE Sand 45 Silt 30 Clay 25 COMPOSITION: Apatite Tr Bioclast 10 Dolomite Tr Foraminifers 35 Lithoclast 10 Micrite 30 Nannofossils 10 Spicules 3
						● 65.2% 1.72	● 97.1%		1.0					
					R			2						
					R	N	N	3						
						● 65.9% 1.84	● 97.4%							
					R	N	N	4						
						● 66.8% 1.81	● 97.6%	5						
					R			6						
								7						
								CC						



SITE 814 HOLE A CORE 5H CORED INTERVAL 34.4 - 43.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER PLIOCENE	A/G N22 - N23	A/M CN12b			N ? R ? R R ? R		●96.13%	1 2 3 4 5 6 7 CC	0.5 1.0				* * IW	NANNOFOSSIL FORAMINIFER OOZE Major lithology: White (10YR 8/1) NANNOFOSSIL FORAMINIFER OOZE with lithoclasts, bioclasts, and rare detrital dolomite. SMEAR SLIDE SUMMARY (%): 1, 100 D / 7, 50 D TEXTURE: Sand 50 50 Silt 20 20 Clay 30 30 COMPOSITION: Bioclast 10 15 Dolomite --- 3 Foraminifers 35 30 Lithoclast 10 15 Micrite 34 25 Nannofossils 10 10 Spicules Tr 2



SITE 814 HOLE A CORE 6H CORED INTERVAL 43.9-53.4 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 PLIOCENE	A/M	A/M			N	63.0% 1.75	99.0%	1	0.5 1.0				*
	N21	CN12a			N			2					*
					N	64.0% 1.81	99.2%	3					□
					N			4					
					N	58.2% 1.69	98.3%	5					OG
					N		91.0%	6					IW
					N			7					*
								CC					PAL

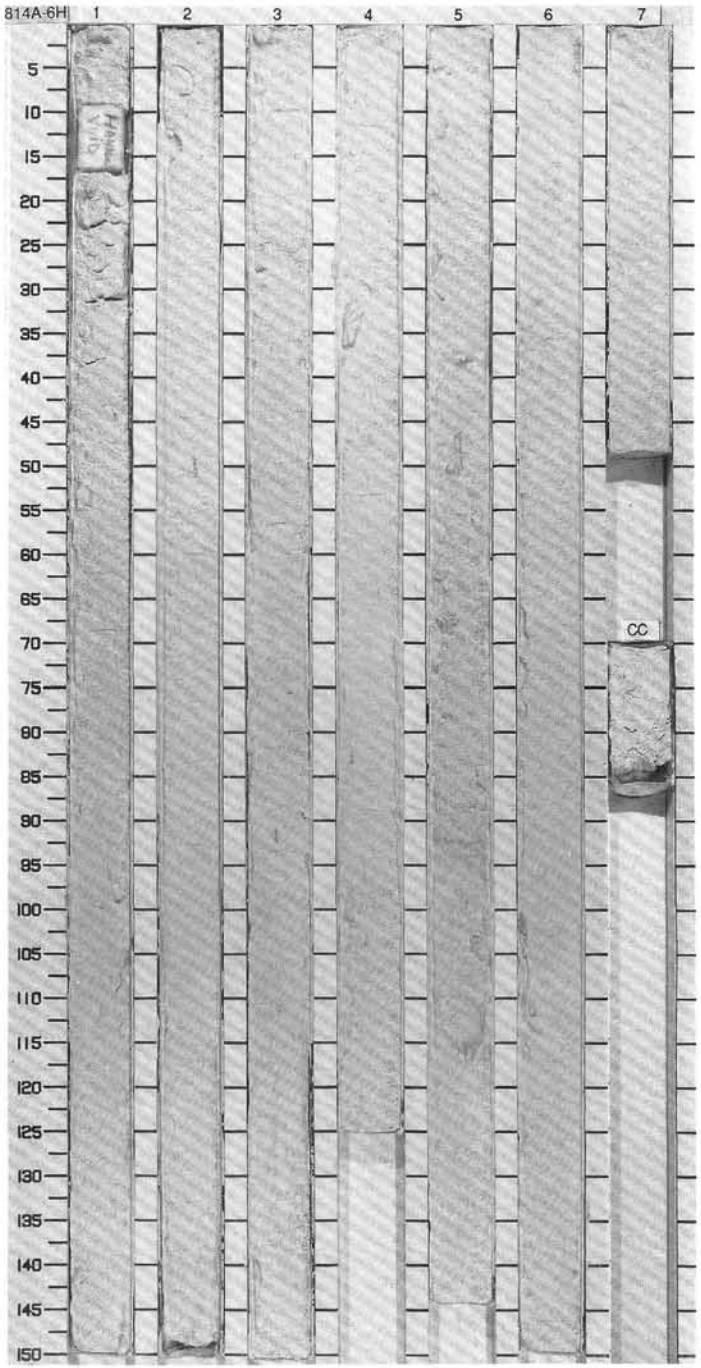
LITHOLOGIC DESCRIPTION

NANNOFOSSIL FORAMINIFER OOZE

Major lithology: White (10YR 8/1) NANNOFOSSIL FORAMINIFER OOZE.

SMEAR SLIDE SUMMARY (%):

	1, 60 D	1, 100 D	6, 100 D
TEXTURE:			
Sand	55	50	45
Silt	45	30	25
Clay	---	20	30
COMPOSITION:			
Bioclast	2	10	5
Dolomite	---	---	3
Foraminifers	96	50	40
Lithoclast	2	5	5
Micrite	---	10	30
Nannofossils	---	25	15
Quartz	---	Tr	---
Spicules	---	Tr	---



SITE 814 HOLE A CORE 7H CORED INTERVAL 53.4-56.8 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/G	N18 - N19			N			1	0.5				*
	A/M	CN10 - CN11			R				1.0				*
					N			2					TW
					N			3					
								CC					*

LITHOLOGIC DESCRIPTION

NANNOFOSSIL FORAMINIFER OOZE

Major lithology: White (10YR 8/1) NANNOFOSSIL FORAMINIFER OOZE.

Minor lithology: White (10 YR 8/2) unlithified FORAMINIFER PACKSTONE occurs in Section 1, 0-26 cm, and in Section 3, 73-104 cm. Fish teeth are present in the core catcher.

SMEAR SLIDE SUMMARY (%):

	1, 16 D	1, 40 D	CC, 14 D
TEXTURE:			
Sand	60	75	85
Silt	20	25	10
Clay	20	---	5
COMPOSITION:			
Bioclast	---	5	10
Dolomite	---	3	---
Foraminifers	60	80	80
Micrite	20	7	7
Nannofossils	18	5	3
Phosphate	---	---	Tr
Spicules	2	Tr	---

SITE 814 HOLE A CORE 8X CORED INTERVAL 56.8-66.5 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
?	B	A/M			Not measured	●35.0% 2.05	●100.9%	1	0.5				*

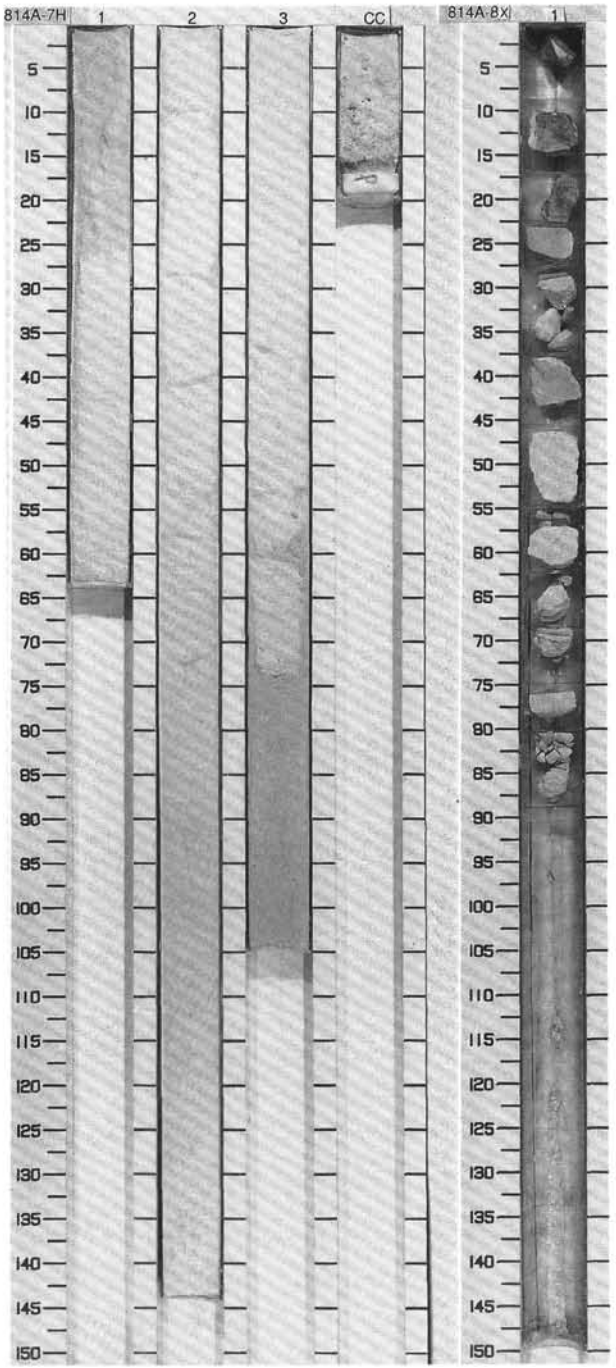
LITHOLOGIC DESCRIPTION

LITHIFIED MUDSTONE with FORAMINIFERS

Major lithology: Pale yellow (10YR 8/6) LITHIFIED MUDSTONE with FORAMINIFERS at the top becoming less lithified down the core so that it becomes a white (10YR 8/2) FORAMINIFER MICRITE CHALK from 47 cm. Extensive vuggy porosity in all pieces below 25 cm.

SMEAR SLIDE SUMMARY (%):

	1, 1 D	1, 12 M
COMPOSITION:		
Echinoid	---	Tr
Foraminifers	30	25
Inorganic calcite	45	---
Micrite	10	60
Nannofossils	15	15



SITE 814 HOLE A CORE 9H CORED INTERVAL 66.5-76.0 mbsf

TIME-ROCK UNIT: UPPER MIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS: N16 - N17; R/P; A/M; NANNOFOSSILS; RADIOLARIANS; DIATOMS

PALEOMAGNETICS: Uncertain polarity

PHYS. PROPERTIES: ● 56.7% 2.05; ● 61.5% 2.00; ● 59.8% 1.77; ● 56.0% 1.69; ● 62.7% 1.81; ● 63.1% 1.96; ● 56.2% 1.86

CHEMISTRY: ● 98.4%; ● 98.7%; ● 99.1%; ● 100.7%; ● 97.9%; ● 98.5%; ● 99.0%

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.: OOOO

SED. STRUCTURES

SAMPLES: *, *, *, OG, IW, PAL

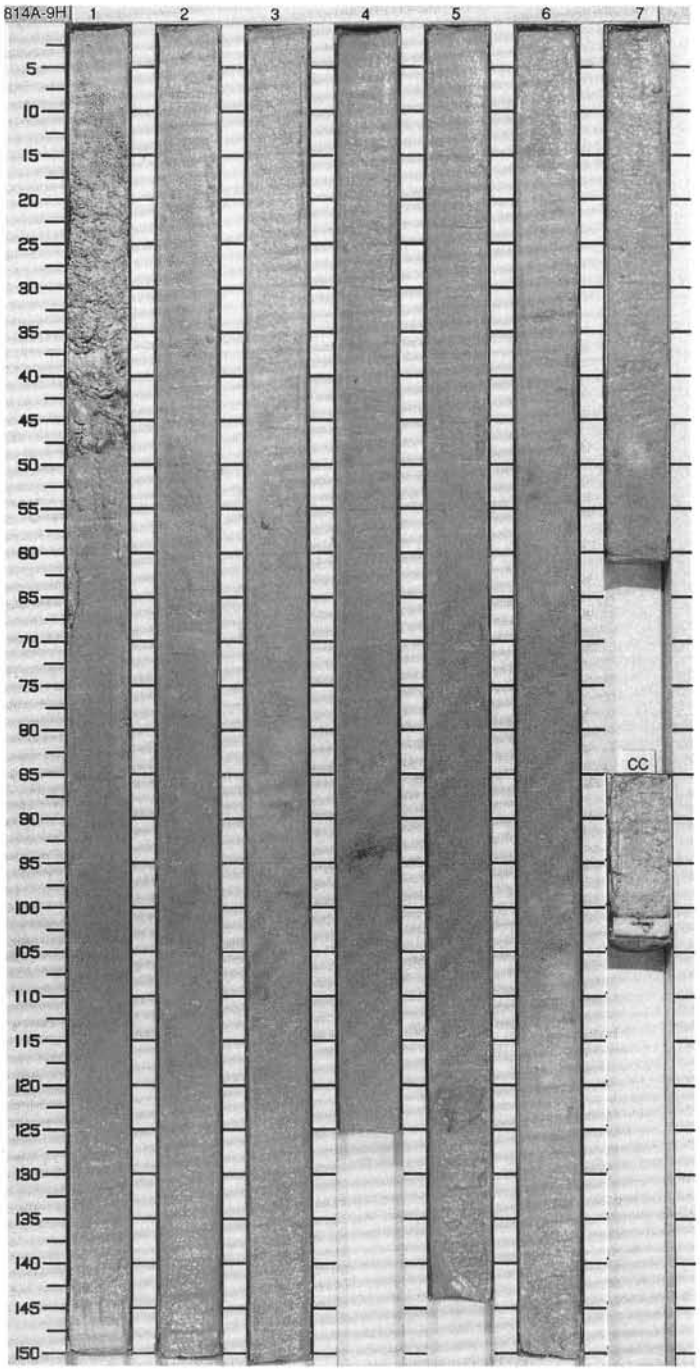
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL MICRITE OOZE

Major lithology: Pale yellow (5Y 8/3) FORAMINIFER NANNOFOSSIL MICRITE OOZE with trace phosphatic and dolomitic grains. Coalified wood fragments occur in Section 4 at 94 cm. Core becomes chalky towards base.

SMEAR SLIDE SUMMARY (%):

	1, 99 D	1, 149 D	4, 101 D
COMPOSITION:			
Bioclast	---	---	10
Dolomite	10	5	5
Foraminifers	15	10	30
Inorganic calcite	40	50	27
Micrite	10	10	10
Nannofossils	25	15	15
Phosphate	---	---	Tr
Spicules	Tr	10	2



SITE 814 HOLE A CORE 10H CORED INTERVAL 76.0-85.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
UPPER MIOCENE	R/P	A/M			uncertain polarity	● 53.2% 1.67 ● 55.7% 1.75	● 98.6% ● 97.8%	5 6					
	N16 - N17					● 60.1% 2.01 ● 62.4% 2.01	● 98.5% ● 98.6%	4 3					*
						● 56.7% 1.81 ● 56.4% 1.72	● 98.8% ● 98.9%	2 1	0.5 1.0				*
								7 CC					IW Pkr

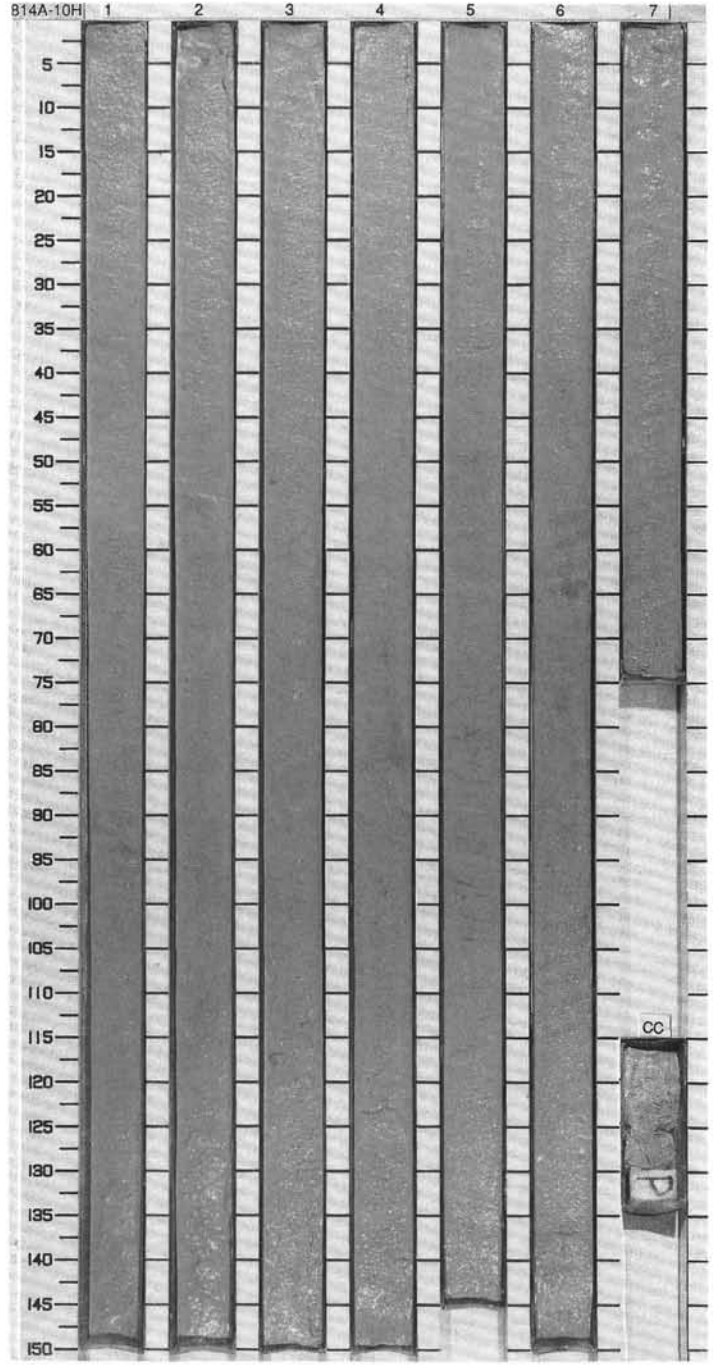
LITHOLOGIC DESCRIPTION

NANNOFOSSIL OOZE with FORAMINIFERS and MICRITE.

Major lithology: Pale yellow (5Y 8/3) NANNOFOSSIL OOZE with FORAMINIFERS and MICRITE. Minor dolomite (5%) and silt-sized calcite crystals occur in Section 2.

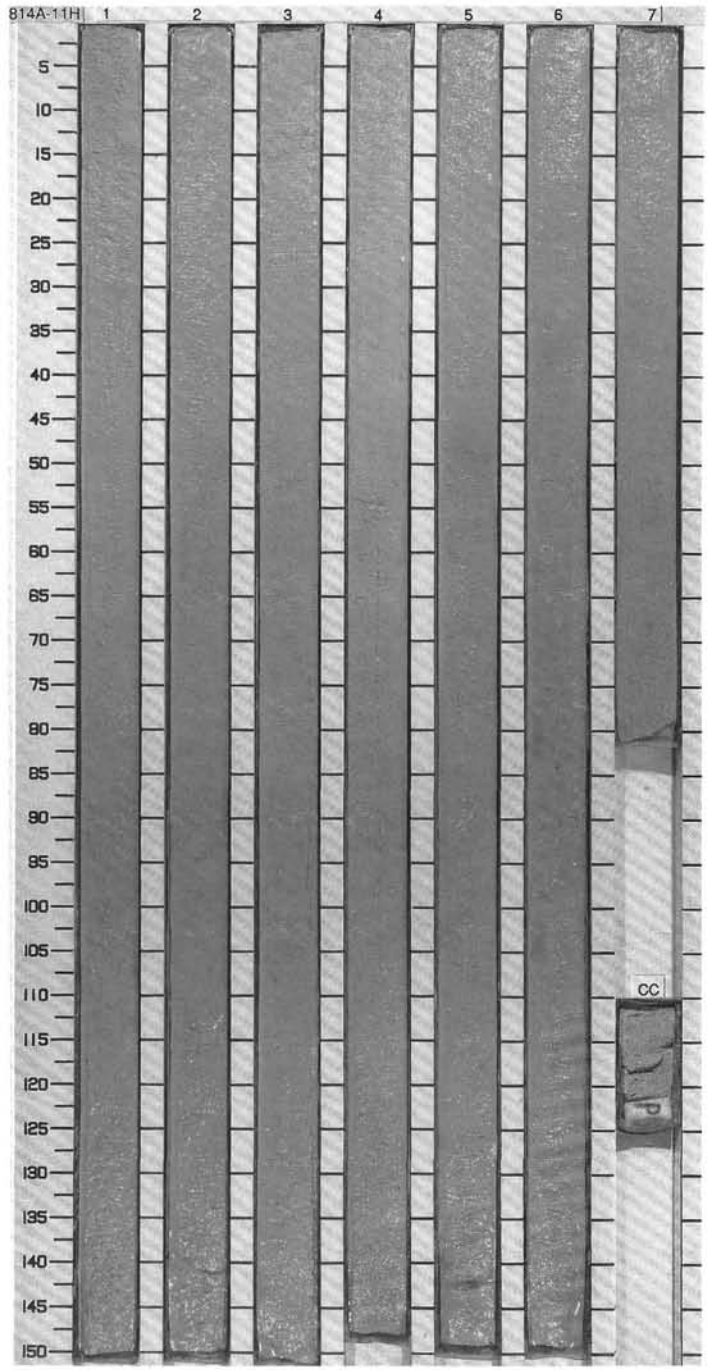
SMEAR SLIDE SUMMARY (%):

	2, 70 D	4, 68 D
COMPOSITION:		
Dolomite	5	5
Foraminifers	15	15
Inorganic calcite	20	20
Micrite	20	20
Nannofossils	40	40
Phosphate	---	Tr



SITE 814 HOLE A CORE 11H CORED INTERVAL 85.5-95.0 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 MIOCENE	N16 - N17				uncertain polarity			1	0.5				*	Major lithology: Pale yellow (5Y 8/3) MICRITIC OOZE with FORAMINIFERS and NANNOFOSSILS.
R/P						● 64.5% 1.90	● 96.8%		1.0					SMEAR SLIDE SUMMARY (%):
A/M						● 60.2% 1.90	● 98.9%	2						1, 100 D / 3, 100 D
						● 60.2% 1.84	● 97.8%	3					*	COMPOSITION:
					● 56.4% 1.78		● 98.5%	4						Bioclast 5 Tr
					● 61.5% 1.91		● 98.9%	5						Dolomite 5 5
					● 61.8% 1.88		● 98.5%	6						Foraminifers 20 20
					● 56.7% 1.76		● 97.8%	7						Inorganic calcite 10 15
								CC					PAL	Micrite 40 40
														Nannofossils 20 20



SITE 814 HOLE A CORE 12H CORED INTERVAL 95.0-104.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
MIDDLE MIOCENE	?	CN5?			uncertain polarity			1	0.5				
	R/P	A/M							1.0				
						● 55.8% 1.85	● 98.8%						
						● 45.9% 1.95	● 100.6%	2					*
						● 57.6% 1.87	● 98.4%	3					
						● 60.5% 1.93	● 99.0%	4					*
						● 54.3% 1.73	● 98.5%	5					
					● 56.8% 1.85			6					
					● 99.0%			7					
								CC					P&I

LITHOLOGIC DESCRIPTION

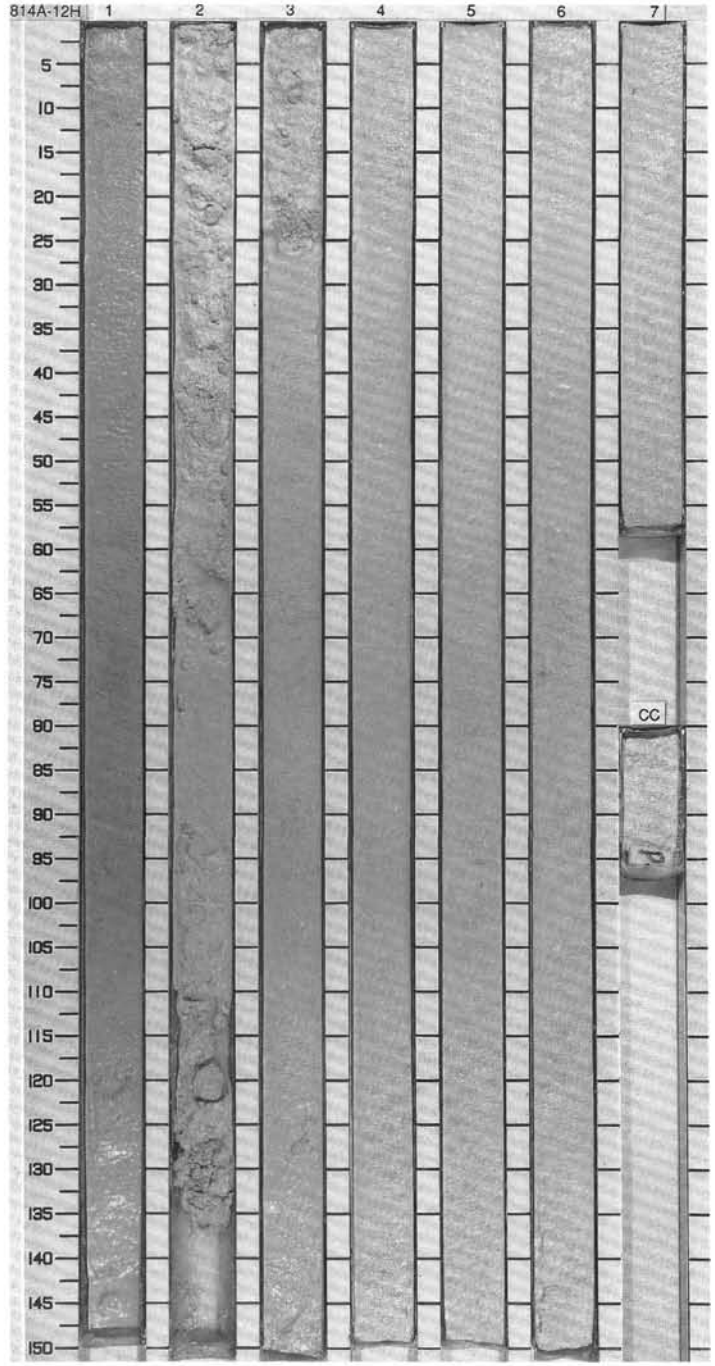
CALCAREOUS OOZE

Major lithology: White to light gray (5YR 8/3 to 10YR 8/2) CALCAREOUS OOZE; constituents include micrite, foraminifers, nannofossils, and fragments of calcite cement.

Minor lithology: White (10YR 8/2) UNLITHIFIED LITHOCLAST RUDSTONE within a calcareous ooze matrix. Clast lithotypes include skeletal packstones to grainstones.

SMEAR SLIDE SUMMARY (%):

	2, 80 M	4, 80 D
COMPOSITION:		
Bioclast	5	—
Dolomite	5	5
Echinoid	5	—
Foraminifers	10	15
Inorganic calcite	30	25
Micrite	30	40
Nannofossils	15	15



SITE 814 HOLE A CORE 13H CORED INTERVAL 104.5-114.0 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
	?	CN4 or older			uncertain polarity	● 61.9% 1.73	● 98.5%	1	0.5				*
						● 58.9% 1.75	● 98.4%	2					
						● 65.0% 1.92	● 98.5%	3					
					● 52.4% 1.78	● 58.5% 1.90	●	4					*
						● 57.3% 1.75	● 98.8%	5					OC
					● 94.5%			6					*
								7					
								CC					

C/P

C/P

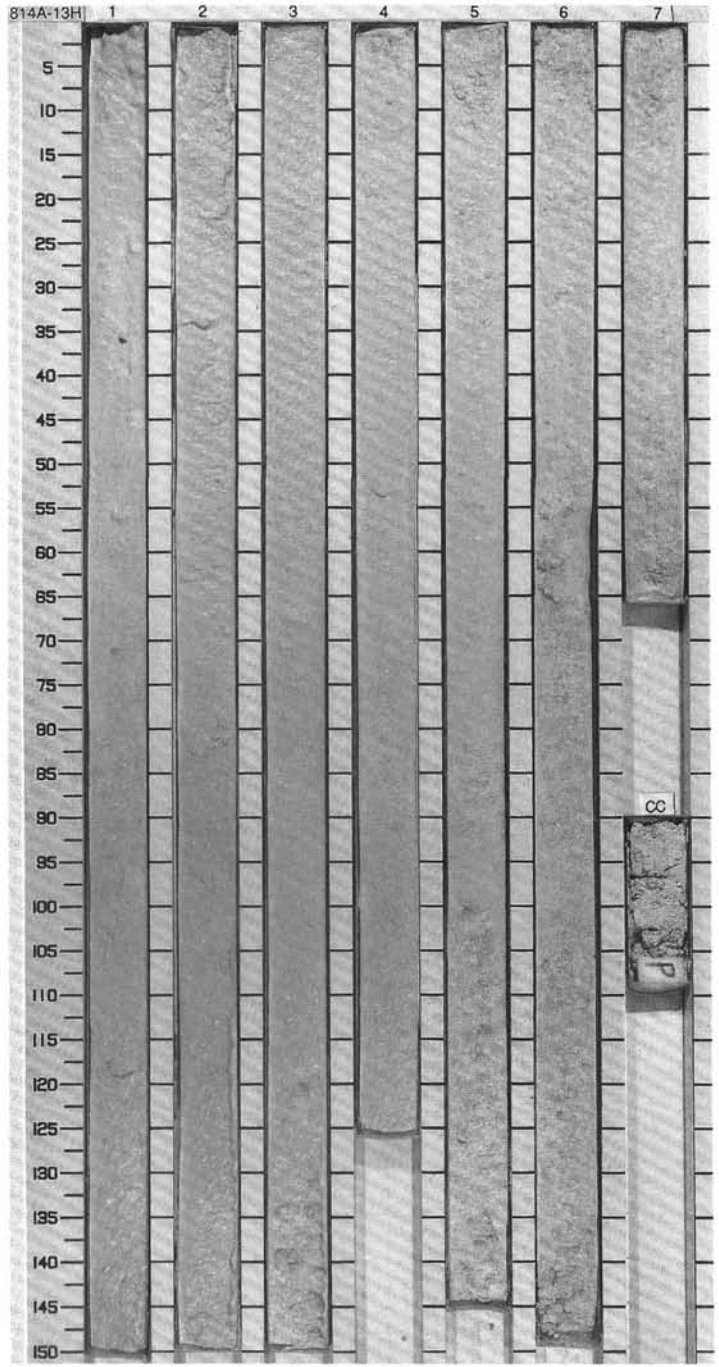
LITHOLOGIC DESCRIPTION

CALCAREOUS OOZE

Major lithology: White (10YR 8/2) CALCAREOUS OOZE with foraminifers, and detrital microspar (calcite cement?). From Section 4 to the base, sparsely distributed concretionary chalk zones.

SMEAR SLIDE SUMMARY (%):

	1, 80 D	4, 80 D	6, 80 D
COMPOSITION:			
Aggregates	---	20	---
Bioclast	5	---	---
Dolomite	5	2	5
Foraminifers	20	---	5
Glass	---	3	---
Inorganic calcite	50	20	60
Micrite	---	15	20
Nannofossils	20	40	10



SITE 814 HOLE A CORE 14H CORED INTERVAL 114.0-123.5 mbsf

TIME-ROCK UNIT: C/P; F/P

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS: ?; NANNOFOSSILS: CN 4 or older; RADIOLARIANS; DIATOMS

PALEOMAGNETICS: uncertain polarity

PHYS. PROPERTIES: 57.5% 1.67; 63.7% 1.70; 62.6% 1.75; 63.5% 1.84; 52.9% 1.63; 57.3% 1.66

CHEMISTRY: 98.2%; 98.7%; 98.5%; 99.0%; 98.1%; 99.4%

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES: *

SAMPLES: *

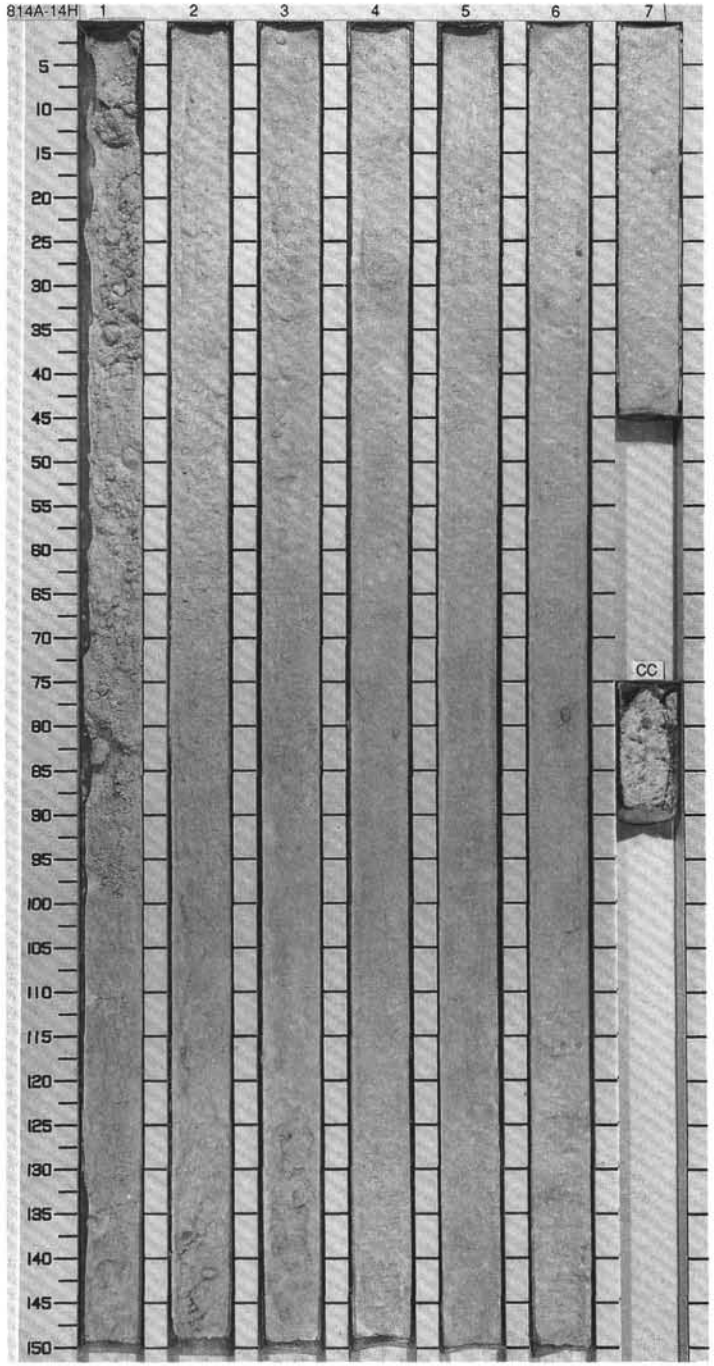
LITHOLOGIC DESCRIPTION

UNLITHIFIED TO LITHIFIED BIOCLAST PACKSTONE

Major lithology: White (10YR 8/1-2) PARTIALLY LITHIFIED BIOCLAST PACKSTONE, with foraminifers and nannofossils. Lithification varies downward: from Section 1 through 3, partial lithification forms isolated chalk zones; from Section 4 to base, the core is composed of PARTIALLY LITHIFIED BIOCLAST PACKSTONE.

SMEAR SLIDE SUMMARY (%):

	1, 105 D	5, 105 D
COMPOSITION:		
Bioclast	---	10
Dolomite	---	5
Foraminifers	---	15
Inorganic calcite	75	15
Micrite	25	20
Nannofossils	---	35



SITE 814 HOLE A CORE 15H CORED INTERVAL 123.5-133.0 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
C/P	?				uncertain polarity			1	0.5				
F/P		?				● 59.7% 1.70	● 98.2%		1.0				
						● 58.9% 1.70	● 98.0%	2					
						● 57.8% 1.73	● 99.0%	3					
					● 59.7% 1.92	● 59.7% 1.92	● 98.8%	4					
					● 59.7% 1.92		● 98.5%	5					
					● 52.8% 1.82			6					*
								7					
								CC					

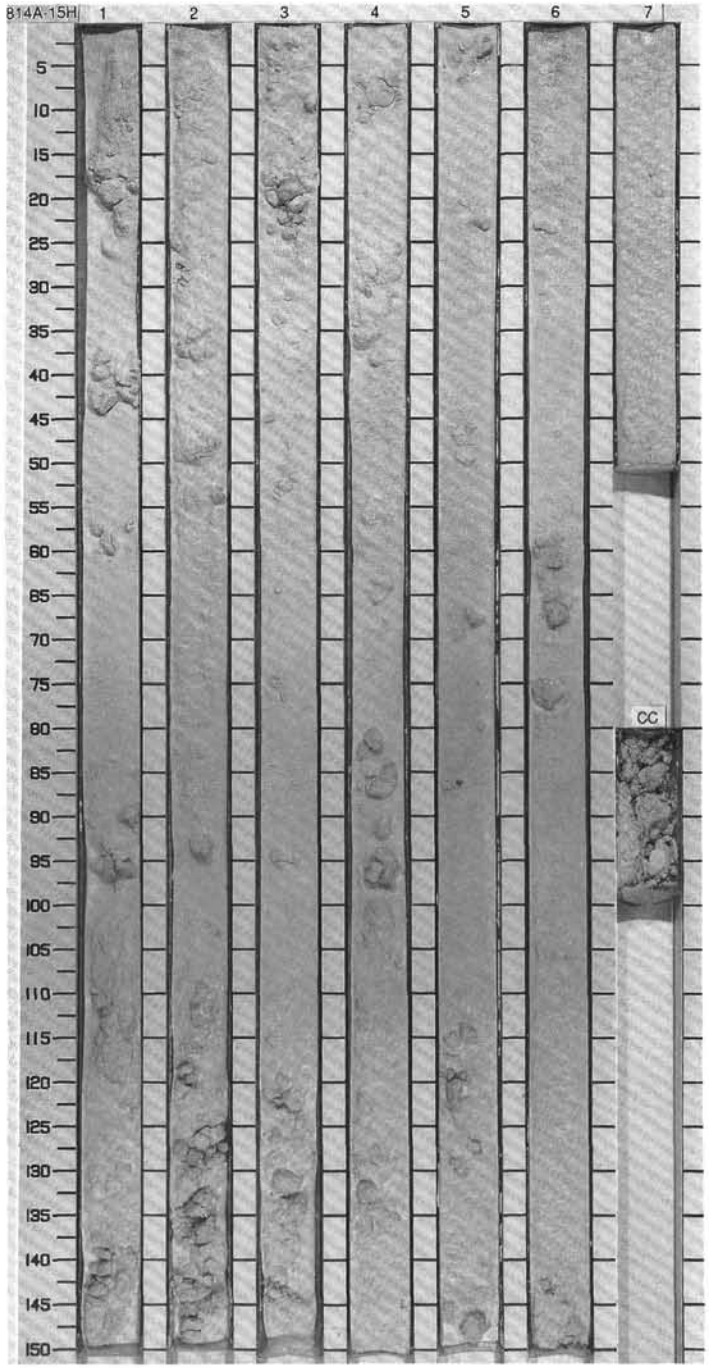
LITHOLOGIC DESCRIPTION

PARTIALLY LITHIFIED PACKSTONE

Major lithology: White (10YR 8/1), PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE, with foraminifers, dolomite, and fragments of microspar.

SMEAR SLIDE SUMMARY (%):

	6, 120 D
COMPOSITION:	
Bioclast	5
Dolomite	10
Foraminifers	30
Inorganic calcite	30
Nannofossils	25



SITE 814 HOLE A CORE 16H CORED INTERVAL 133.0-136.0 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
	F/P ? C/P	CN3 - CN4				● 65.0% 1.61 ● 63.9% 1.57	● 97.4% ● 87.1%	1 2 CC	0.5 1.0					UNLITHIFIED BIOCLAST PACKSTONE Major lithology: White (10YR 8/1) UNLITHIFIED BIOCLAST PACKSTONE, with large benthic foraminifers, echinoid fragments, becoming UNLITHIFIED GRAINSTONE by 60 cm in Section 2.

SITE 814 HOLE A CORE 17X CORED INTERVAL 136.0-145.7 mbsf

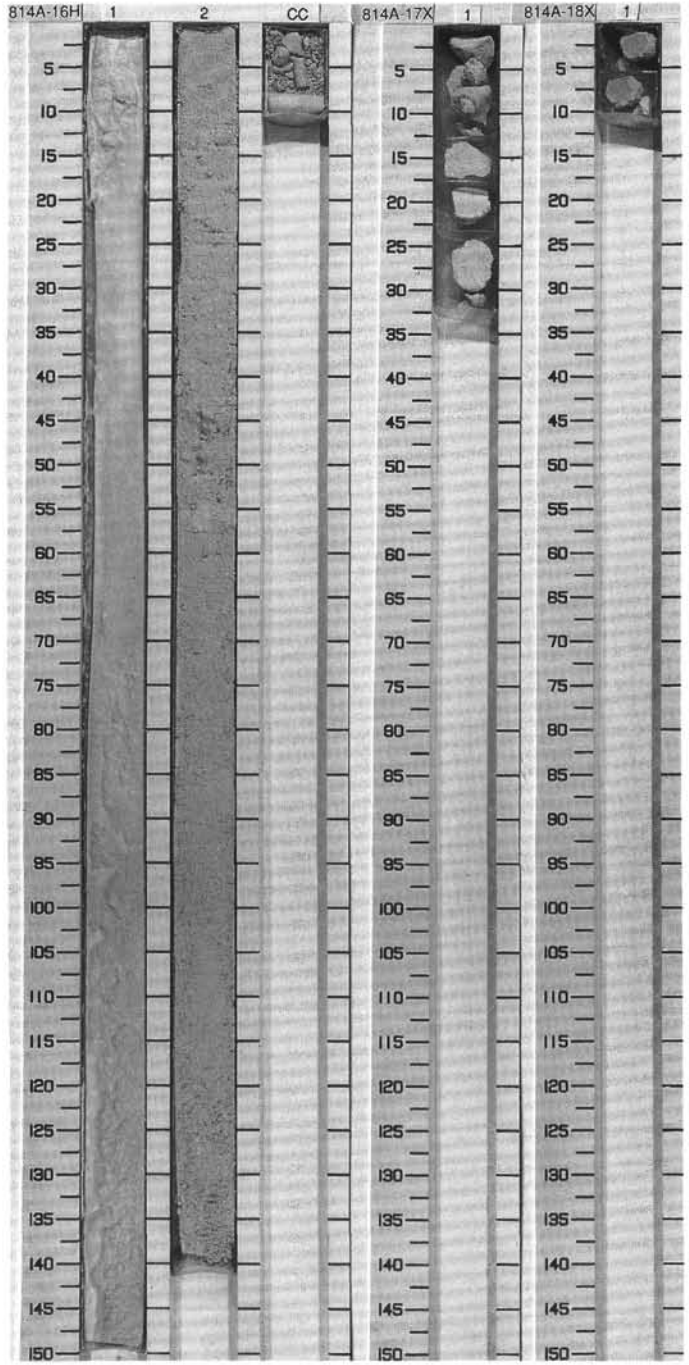
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	B				not measured		(dolomite) 101.2% ●	1						BIOCLAST PACKSTONE Major lithology: White (10YR 8/1) LITHIFIED BIOCLAST PACKSTONE.

SITE 814 HOLE A CORE 18X CORED INTERVAL 145.7-155.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	B				not measured	● 43.6% 2.20		1						DOLOMITIZED LITHIFIED BIOCLAST PACKSTONE Major lithology: White (10YR 8/1) LITHIFIED, DOLOMITIZED BIOCLAST PACKSTONE, with coralline algae.

814A 19X NO RECOVERY

814A 20X NO RECOVERY



814A 21X NO RECOVERY

814A 22X NO RECOVERY

SITE 814 HOLE A CORE 23X CORED INTERVAL 197.1-206.8 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
	R/P	?			not measured	● 42.9% 1.69 ● 29.6% 2.20	● 98.7% ● 100.1%	1 2 CC	0.5 1.0				* TW PAL

LITHOLOGIC DESCRIPTION

CALCAREOUS MUDSTONE

Major lithology: White to light gray (10YR 8/2 to 10YR 7/1), firm, CALCAREOUS MUDSTONE, with lithoclasts and bioclasts.

Minor lithology: White to light gray (10YR 8/2 to 10YR 7/1) PARTIALLY LITHIFIED CALCAREOUS MUDSTONE in Section 2, 140-146 cm.

SMEAR SLIDE SUMMARY (%):

	1, 80
	D
COMPOSITION:	
Dolomite	Tr
Foraminifers	5
Lithoclast	15
Micrite	75
Spicules	5

SITE 814 HOLE A CORE 24X CORED INTERVAL 206.8-216.4 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
					not measured	● 34.2% 1.97 ● 41.1% 2.29 ● 42.9% 2.35	● 99.9% ● 99.8% 100%	1 2 3 CC	0.5 1.0	void			* * PAL

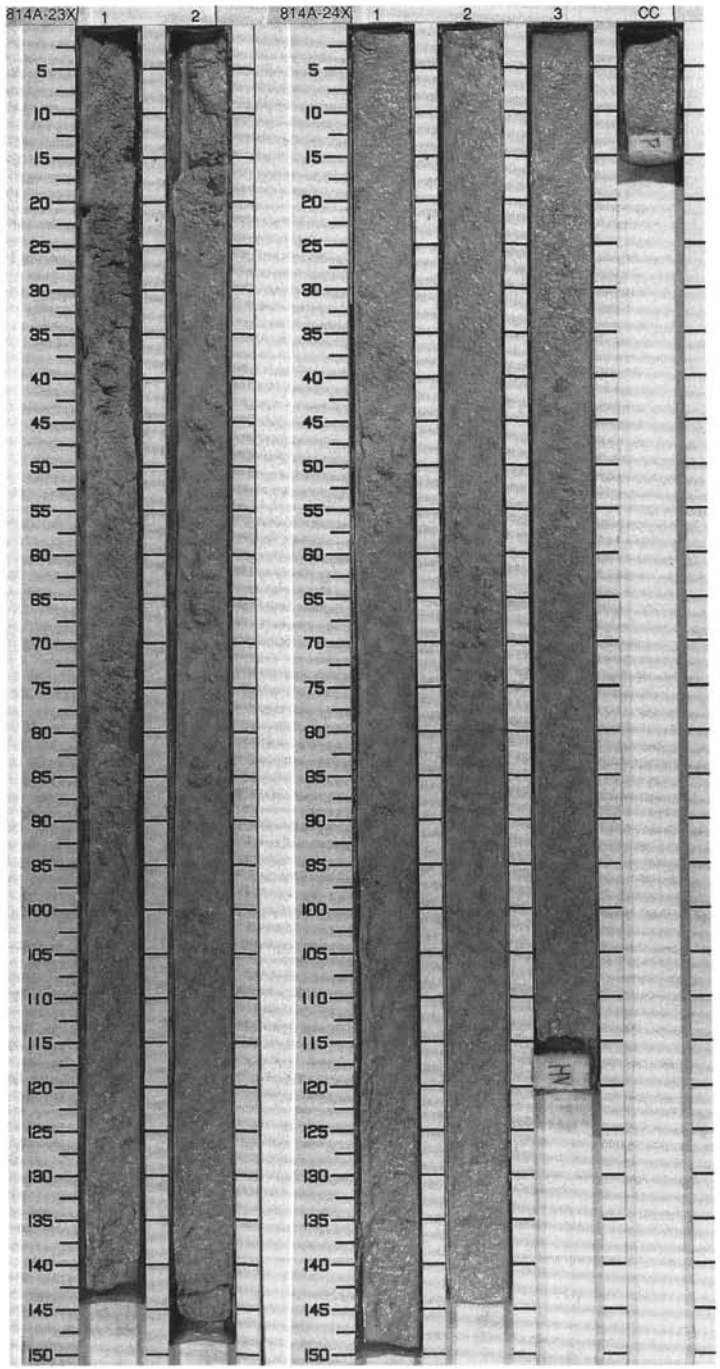
LITHOLOGIC DESCRIPTION

CALCAREOUS MUDSTONE

Major lithology: White (10YR 8/2), firm to soupy, UNLITHIFIED CALCAREOUS MUDSTONE, with micrite lithoclasts (broken chalk?), few bioclasts, and detrital microspar (derived from chalk?). Drilling disturbance is locally intense.

SMEAR SLIDE SUMMARY (%):

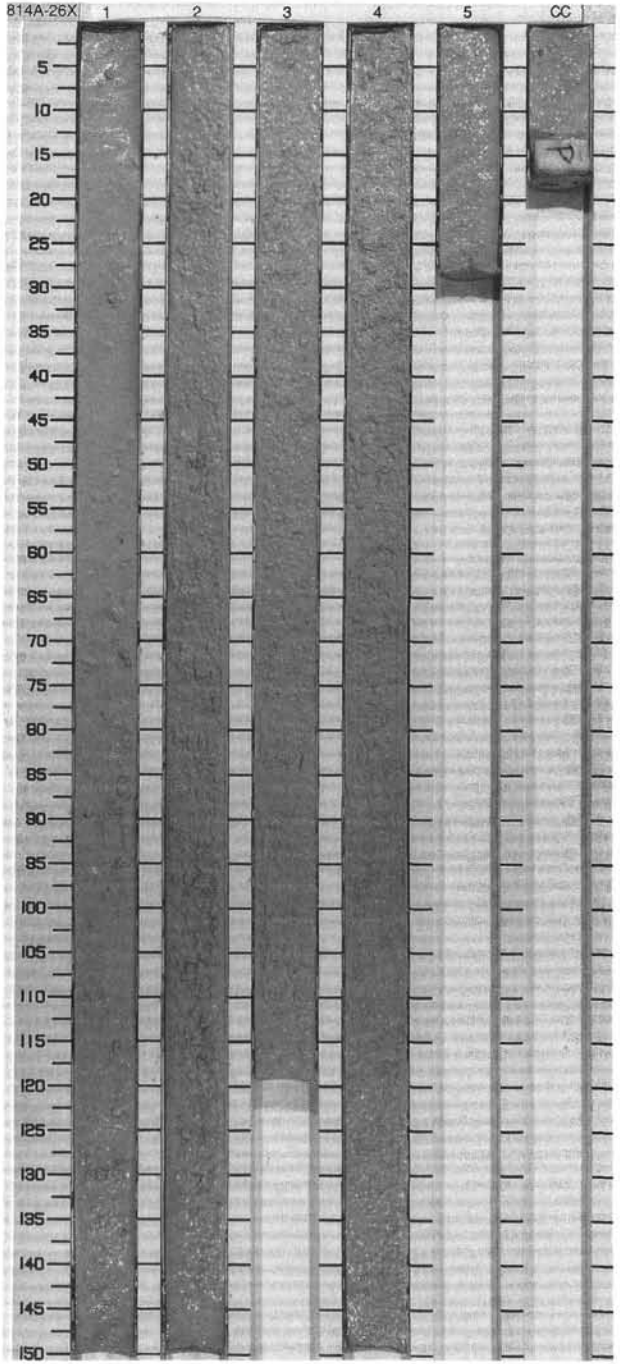
	1, 90	3, 60
	D	D
COMPOSITION:		
Dolomite	3	Tr
Foraminifers	10	10
Inorganic calcite	5	---
Lithoclast	17	20
Micrite	65	68
Spicules	---	Tr



814A 25X NO RECOVERY

SITE 814 HOLE A CORE 26X CORED INTERVAL 225.7-235.3 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
R/P	?	CN3 - CN4			not measured	● 45.8% 1.94	● 100.0%	1	0.5 1.0				*	PARTIALLY LITHIFIED CALCAREOUS MUDSTONE Major lithology: White (2.5Y 8/2) PARTIALLY LITHIFIED CALCAREOUS MUDSTONE, with foraminifers and other bioclasts. This unit is predominant in Section 2 through Section 4, and CC; it represents about 20% of Section 1 and is absent in Section 5. Minor lithology: White (2.5Y 8/2) UNLITHIFIED CALCAREOUS MUDSTONE, with foraminifers and other bioclasts. SMEAR SLIDE SUMMARY (%): 1, 70 D COMPOSITION: Bioclast 10 Dolomite 5 Foraminifers 5 Lithoclast 20 Micrite 60
R/P					● 46.9% 2.05	● 47.1% 2.21	● 97.7%	2						
							● 98.4%	3					OG	
								4						
								5						
								CC					PAL	



SITE 814 HOLE A CORE 27X CORED INTERVAL 235.3-244.6 mbsf

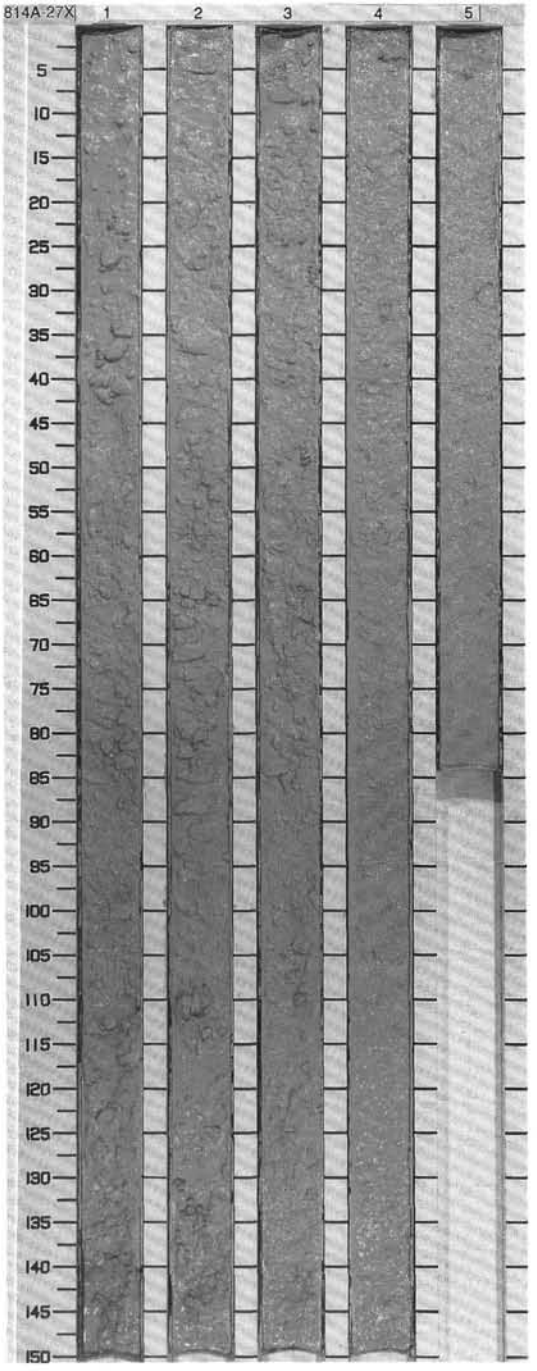
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
	?	?			not measured	● 47.2% 1.83 ● 55.8% 1.74	● 99.5% ● 99.2%	1 2 3 4 5	0.5 1.0				*
	R/P	R/P											

PARTIALLY LITHIFIED CALCAREOUS MUDSTONE

Major lithology: White (2.5Y 8/2). PARTIALLY LITHIFIED CALCAREOUS MUDSTONE, with foraminifers, other bioclasts, and a few percent of dolomite.

SMEAR SLIDE SUMMARY (%):

	2, 60
	D
COMPOSITION:	
Bioclast	10
Dolomite	Tr
Foraminifers	10
Inorganic calcite	20
Micrite	60



SITE 814 HOLE A CORE 28X CORED INTERVAL 244.6-254.2 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
	R/P	B			not measured	● 48.2% 1.94 ● 52.7% 1.90 ● 43.0% 1.92	● 100.0% ● 98.6% ● 99.0%	1 2 3 4 CC	0.5 1.0				*

LITHOLOGIC DESCRIPTION

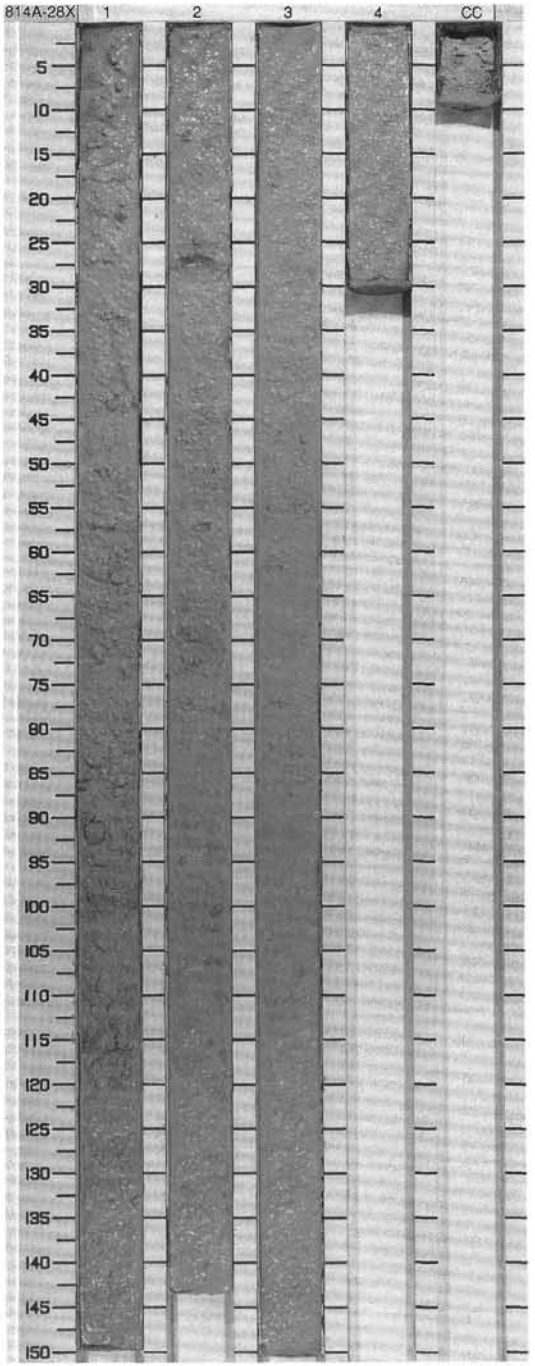
PARTIALLY LITHIFIED CALCAREOUS MUDSTONE

Major lithology: White (5Y 8/1) PARTIALLY LITHIFIED CALCAREOUS MUDSTONE, with foraminifers, other skeletal fragments, and trace to low (<5 %) percentages of dolomite. This unit is predominant in Section 1 and Section 4, whereas it forms about 90% of Section 2 and 20 % of Section 3.

Minor lithology: White (5Y 8/1) UNLITHIFIED CALCAREOUS MUDSTONE, with foraminifers, other skeletal fragments, and trace to low (<5 %) percentages of dolomite.

SMEAR SLIDE SUMMARY (%):

	1, 80 D
COMPOSITION:	
Bioclast	10
Dolomite	Tr
Foraminifers	5
Inorganic calcite	25
Micrite	60



SITE 814 HOLE A CORE 29X CORED INTERVAL 254.2-263.9 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
R/P	?				not measured	● 48.5% 1.94 ● 46.5% 1.94 ● 44.8% 2.04	● 103.5% ● 103.1% ● 103.5% ● 100.9%	1 2 3 4 CC	0.5 1.0			◇ ◇ ◇◇	* OG * TW PAL

LITHOLOGIC DESCRIPTION

LITHOCLAST FLOATSTONE

Major lithology: White (2.5Y 8/1) UNLITHIFIED LITHOCLAST FLOATSTONE within a partially lithified CALCAREOUS MUDSTONE matrix. Clasts are dolomitic skeletal packstone (white, 10YR 8/2). The matrix consists of micrite, dolomite (<15 %), small (<5 %) amounts of skeletal allochems including foraminifers. Clasts are up to 3 cm in length and are rounded although the clasts less than 0.5 cm in diameter are angular. This unit occurs from Section 1 (125 cm) through to CC.

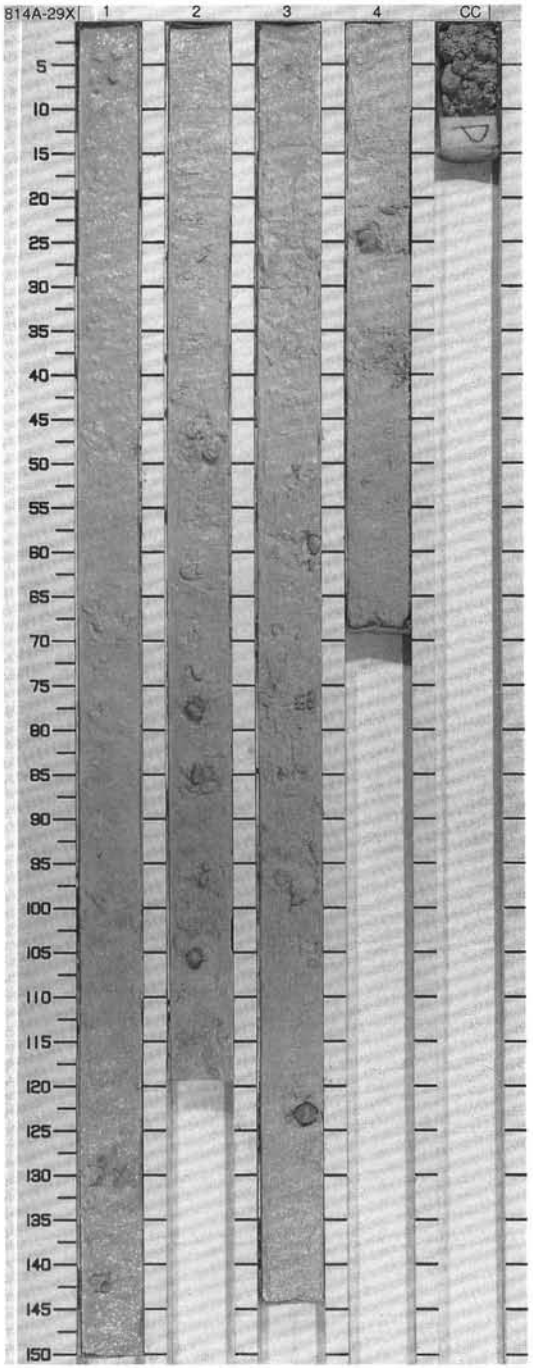
Minor lithologies: 1) White (10YR 8/1) UNLITHIFIED LITHOCLAST RUDSTONE occurs in the CC; 2) White (10YR 8/1) PARTIALLY LITHIFIED to UNLITHIFIED CALCAREOUS MUDSTONE with 10%-15% dolomite. This unit is interbedded with the floatstone and contacts appear gradational. It occurs in Section 1 (80% partially lithified), Section 2 (0-43 cm; partially lithified), and in Section 4 (25-68 cm; partially lithified).

SMEAR SLIDE SUMMARY (%):

	1, 60	3, 60
	D	D
COMPOSITION:		
Bioclast	10	12
Dolomite	15	10
Foraminifers	5	3
Micrite	70	75

814A 30X NO RECOVERY

814A 31X NO RECOVERY



SITE 814 HOLE A CORE 32X CORED INTERVAL 283.2-292.9 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
								CC						DOLOMITIZED LITHIFIED PACKSTONE Major lithology: Light yellowish brown (10YR 6/4) DOLOMITIZED LITHIFIED PACKSTONE, very porous (<30 %). White bioclasts of indeterminate origin are sparsely scattered through core fragments and are dolomite in composition. Porosity is moldic and intercrystalline.

SITE 814 HOLE A CORE 33X CORED INTERVAL 292.9-300.0 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
					not measured		100.8% ●	1	0.5					DOLOMITIZED LITHIFIED PACKSTONE Major lithology: Very pale brown (10YR 7/4) DOLOMITIZED LITHIFIED PACKSTONE. Sparsely distributed white allochems may be skeletal in origin, but are also dolomitized. Several burrow tubes, flattened and stretched ovoids are present: they are darker and appear more fine-grained than the host dolomite. Porosity, consisting of moldic? and intercrystalline voids, represents <30 % of the rock.