SITE 812 HOLE A CORE 1H CORED INTERVAL 0.0-4.9 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/M N22 - N23	CN14b			N Brunhes	1484 ● 61.7% 1.56 1611 ● 68.9% 1.82	● 96.4% 96.0% ● %TOC=0.11 ● 96.0%	1 2 3 4 CC	0.5 1.0				IW PAL

LITHOLOGIC DESCRIPTION

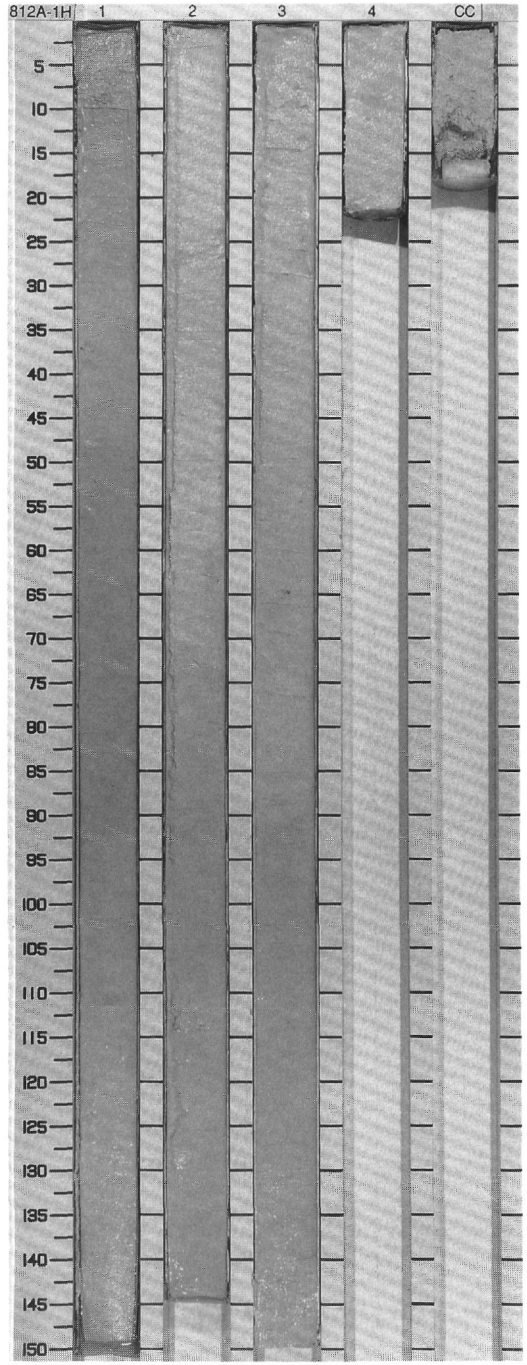
BIOCLASTIC FORAMINIFER OOZE with PTEROPODS.

Major lithology: White (10YR 8/1 to 10YR 8/2), unlithified, BIOCLASTIC FORAMINIFER OOZE with PTEROPODS in Section 2, Section 3 and Section 4.

Minor lithology: Section 1:0-90 cm, the sediment is a PTEROPOD FORAMINIFER OOZE. Unlithified BIOCLASTIC FORAMINIFER WACKESTONE is also found in Section 1, 90-150 cm.

SMEAR SLIDE SUMMARY(%):

	2,70 D	CF 2,68 D
TEXTURE:		
Sand	---	57
Silt	---	43
COMPOSITION:		
Aragonite	10	---
Bioclast	30	50
Forams	40	45
Micrite	10	---
Nannos	10	---
Pteropod	---	5



SITE 812 HOLE A CORE 2H CORED INTERVAL 4.9-14.4 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
PLEISTOCENE	N22 - N23	CN14a			R Matuyama 1628 ● 67.5% 1.83 ● 96.0%	N 1654 ● 65.5% 1.87 ● 97.0% XTOC=0.11 96.9% ● 1626 ● 65.1% 1.78 ● 97.0% 1589 ● 71.3% 1.81 ● 95.0%		1 2 3 4 5 6 7 CC	0.5 1.0			□ * IW PAL	

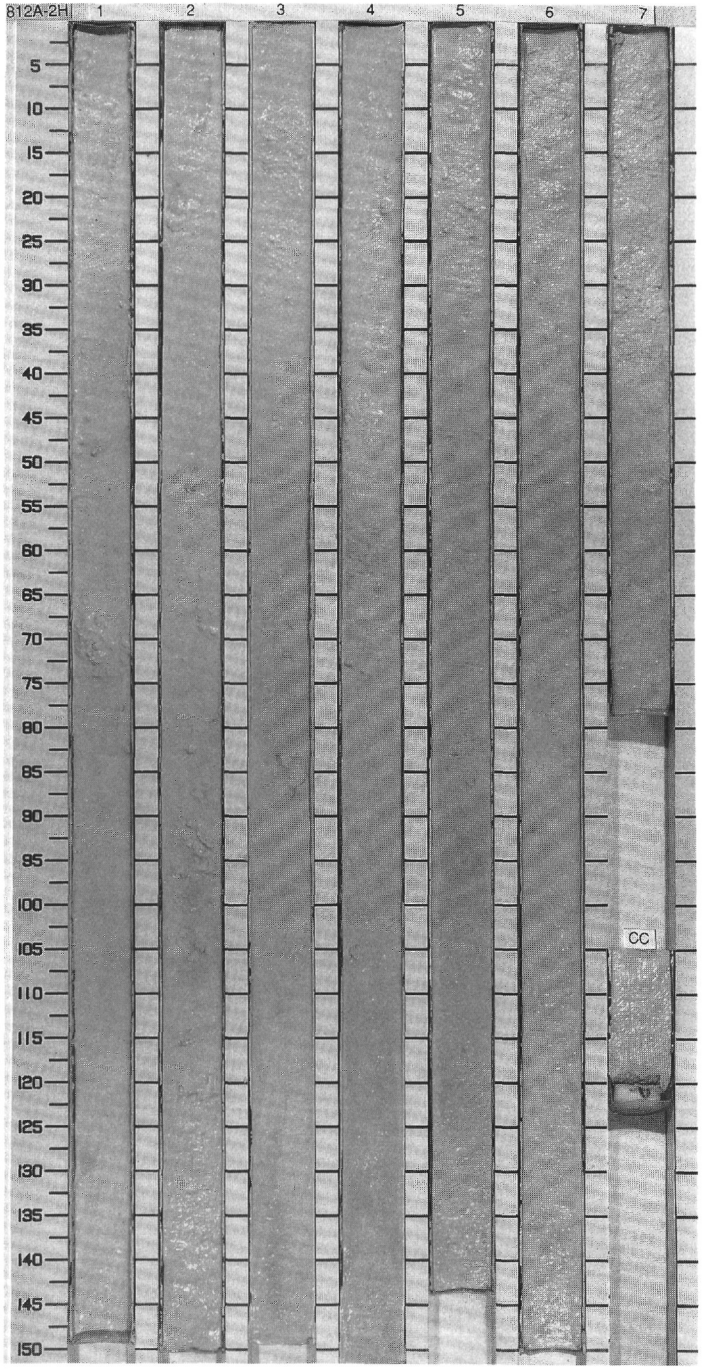
LITHOLOGIC DESCRIPTION

MICRITIC FORAMINIFER OOZE

Major lithology: White (10YR 8/1), unlithified, MICRITIC FORAMINIFER OOZE with traces of PTEROPODS. Partially lithified lumps also occur.

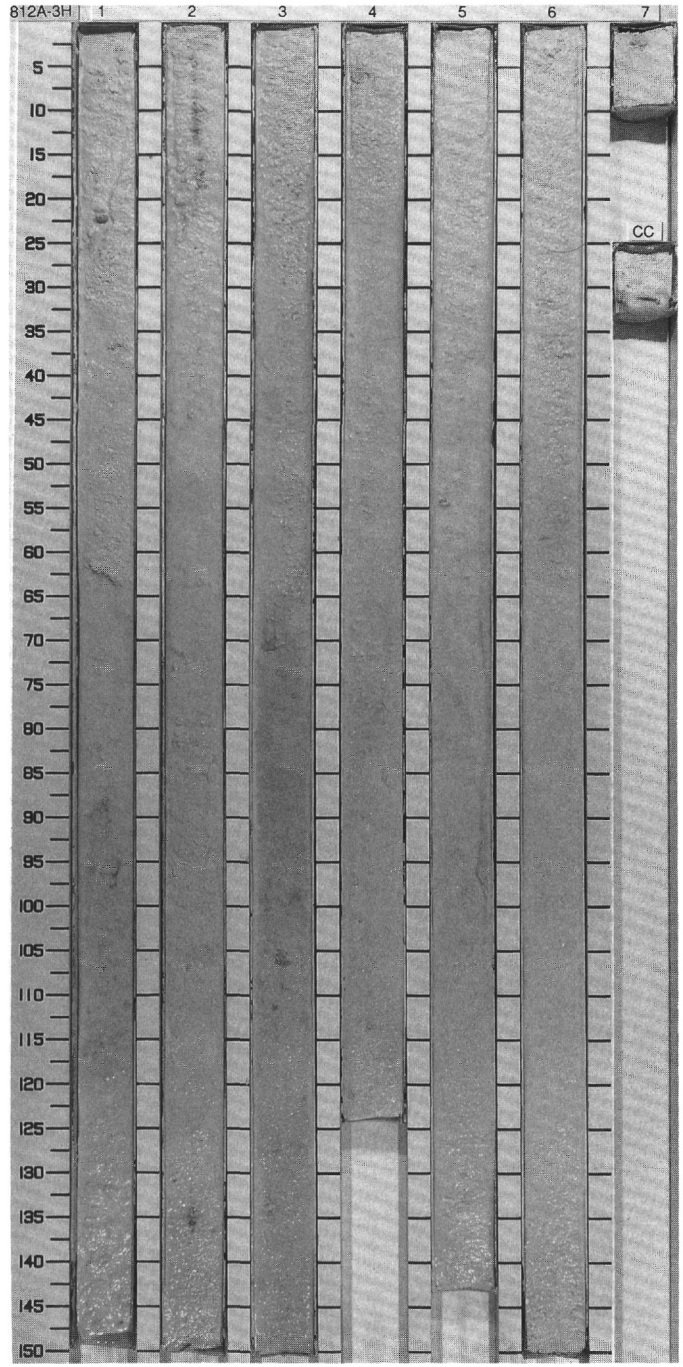
SMEAR SLIDE SUMMARY (%):

	3,70	CF 1.80
TEXTURE:		
Sand	---	68
Silt	---	32
COMPOSITION:		
Aggregates	---	20
Bioclast	10	39
Fish	---	Tr
Foraminifers	40	40
Micrite	40	---
Nannofossils	10	---
Pteropod	Tr	---



SITE 812 HOLE A CORE 3H CORED INTERVAL 14.4-23.9 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
PLEISTOCENE	N22 - N23	CN13			R Matuyama	1655 ● 65.2% 1.79	● 96.5%	1	0.5 1.0					MICRITIC FORAMINIFER OOZE with BIOCLASTS Major lithology: White (10YR 8/1). MICRITC FORAMINIFER OOZE with BIOCLASTS. In Section 1, the ooze is partly lithified in various spots. Fish remains occur throughout Section 1
	A/M				R	1639 ● 67.3% 1.96	● 97.3%	2						
					R	1675 ● 66.2% 1.83	● 96.5%	3						
								4		VOID				
								5		VOID				
							● 96.0% %TOC ±0.13 ● 96.7%	6						
								7 CC						



SITE 812 HOLE A CORE 4H CORED INTERVAL 23.9-27.9 mbsf

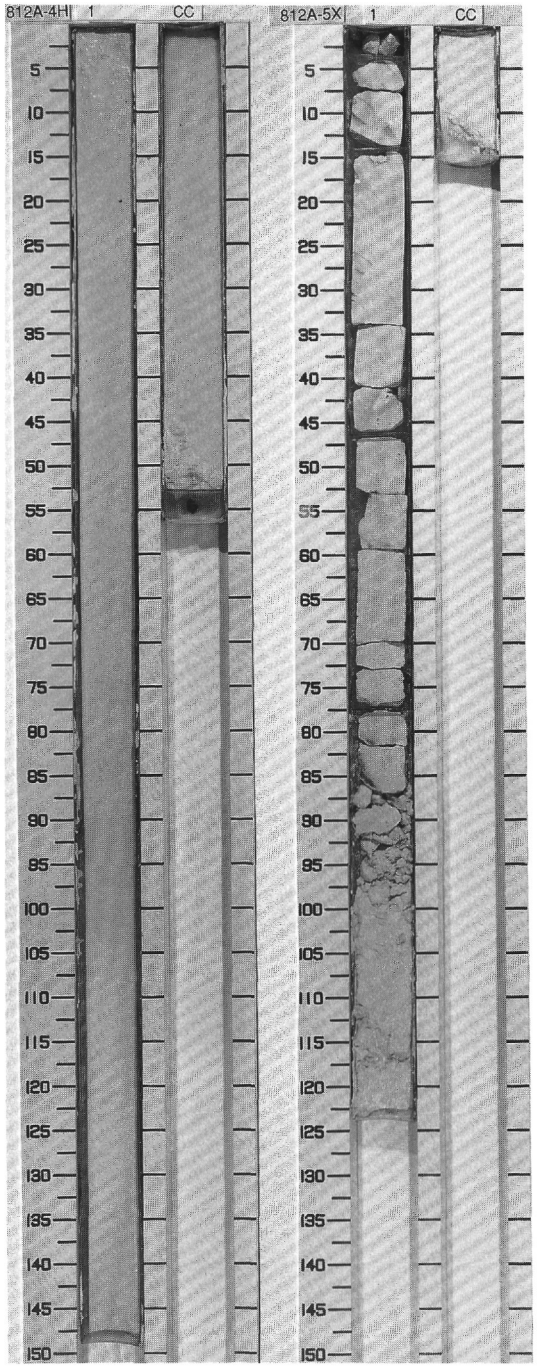
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER PLIOCENE	A/G	N22 - N23		CN12c				1 CC	0.5 1.0			⊙	*	FORAMINIFER OOZE Major lithology: White (10YR 8/1) FORAMINIFER OOZE. Sediment was almost certainly homogenized by drilling disturbance. SMEAR SLIDE SUMMARY (%): 1, 60 D TEXTURE: Sand 65 Silt 35 *COMPOSITION:* Bioclast 10 Foraminifers 90

SITE 812 HOLE A CORE 5X CORED INTERVAL 27.9-35.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER PLIOCENE	R/P N18 - N19?	CN11 or older				3697 64.2% ● 79.2 99.6% ●	%TOC=0.08	1 CC	0.5 1.0				PC	BIOCLASTIC GRAINSTONE to PACKSTONE Major Lithology: Porous white (10YR 8/2) BIOCLASTIC GRAINSTONE with abundant serpulid tubes in Pieces 2AA, 2BA and 2CA. Porosity is usually moldic with minor interparticle porosity. Piece 2CA has a 'V'-shaped cavity with phosphatic coatings and a fine grainstone matrix. From 86 to 123 cm the sediment grades from a partially lithified grainstone to an unlithified packstone. Minor lithology: White (10YR 8/2) BIOCLASTIC PACKSTONE with local red (5R 6/4) mottling in Pieces 1AA and 2AA. Piece 2AA is bored and the boring is filled by multiple phases of phosphatic cement. SMEAR SLIDE SUMMARY (%): 1, 120 D; CC, 3 D; CF CC, 3 D TEXTURE: Sand --- 95 95 Silt --- 5 5 COMPOSITION: Bioclast 60 5 80 Dolomite --- Tr --- Foraminifers 25 90 15 Micrite 5 5 5 Nannofossils 10 --- ---

812A 6X NO RECOVERY

812A 7X NO RECOVERY



SITE 812 HOLE A CORE 8X CORED INTERVAL 54.7-64.3 mbsf

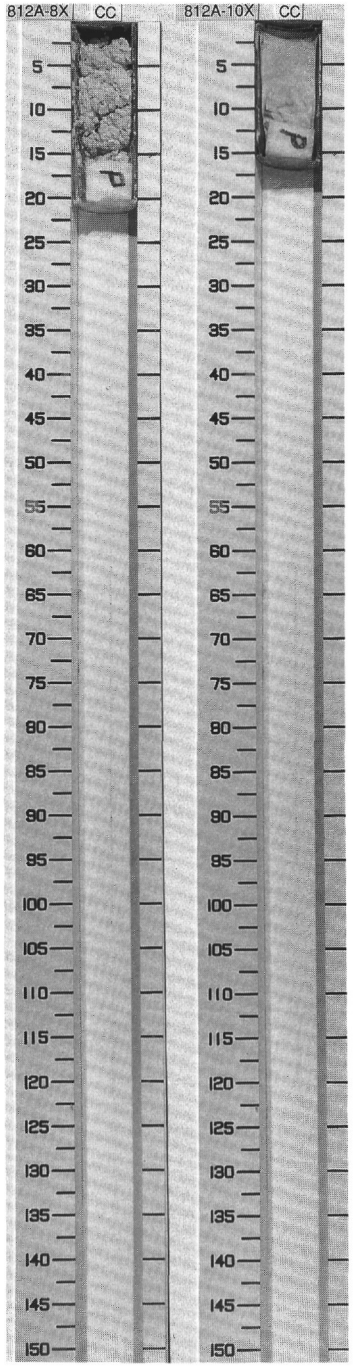
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
UPPER MIOCENE assemblage	F/P	N18 - N19?						CC	0.5				PAL	MICRITIC CHALK with NANNOFOSSILS Major lithology: Mixture of white (10YR 8/2), unlithified, MICRITIC CHALK with NANNOFOSSILS and partially lithified nodules of white (10YR 8/2), MICRITIC CHALK with NANNOFOSSILS. SMEAR SLIDE SUMMARY (%): CC, 17 D COMPOSITION: Foraminifers 5 Micrite 95

812A 9V NO RECOVERY

SITE 812 HOLE A CORE 10X CORED INTERVAL 64.3-73.9 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 MIOCENE assemblage	R/P	N16 - N17						CC	0.5				PAL	BIOCLASTIC GRAINSTONE to PACKSTONE with FORAMINIFER Major lithology: White (10YR 8/2), unlithified, BIOCLASTIC GRAINSTONE to PACKSTONE with FORAMINIFERS.

812A 11X NO RECOVERY



SITE 812 HOLE A CORE 12X CORED INTERVAL 83.6-93.3 mbsf

TIME-ROCK UNIT: N16 - N17 / UPPER MIOCENE assemblage / R/M

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

PALEOMAGNETICS

PHYS. PROPERTIES: 1682 ● 59.9% 1.98; 1632 ● 60.1% 1.98; 1708 ● 52.8% 2.07

CHEMISTRY: 99.8% ● ● 100.0% %TOC=0.09; ● 100.1%; ● 99.0%; ● 98.8%; ● 99.5%; ● 98.8%

SECTION / METERS

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: OG; IW; PAL

LITHOLOGIC DESCRIPTION

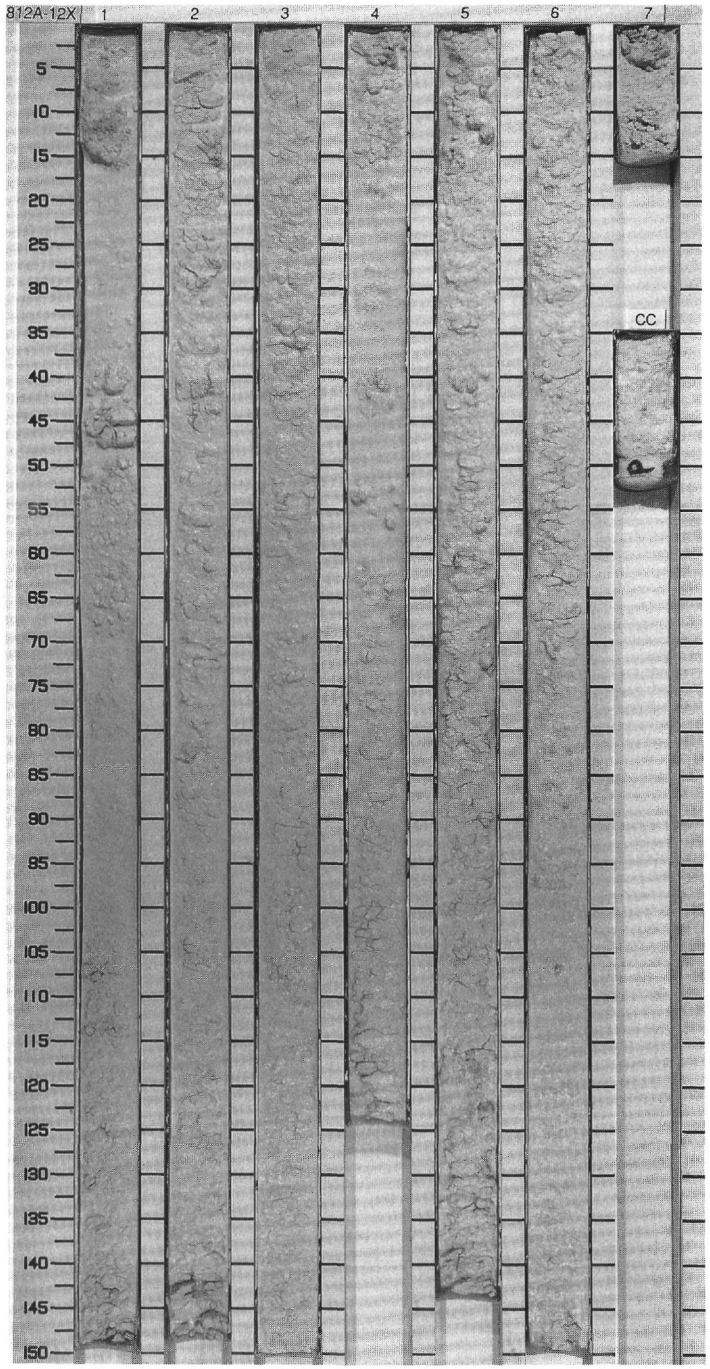
MICRITIC CHALK with FORAMINIFERS

Major lithology: White (10YR 8/0), MICRITIC CHALK with FORAMINIFERS.

Minor lithology: BIOCLASTIC PACKSTONE to GRAINSTONE occurs from 0-14 cm. It contains coralline algae, larger foraminifers, echinoid spines, gastropods, and other shallow marine fauna. CALCAREOUS OOZE occurs from 14-40 cm. Both these minor lithologies may be due to downhole contamination.

SMEAR SLIDE SUMMARY (%):

	1, 60 D	CF 1, 85 D	CC, 10 D
TEXTURE:			
Sand	---	---	20
Silt	---	---	20
Clay	---	---	60
COMPOSITION:			
Aggregates	---	5	---
Dolomite	2	---	15
Foraminifers	10	10	10
Lithoclast	---	---	25
Micrite	78	85	50
Nannofossils	10	---	---



SITE 812 HOLE A CORE 13X CORED INTERVAL 93.3-103.0 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
B UPPER MIOCENE assemblege								CC						BIOCLASTIC RUDSTONE Major lithology: White (10YR 8/0), unlithified, BIOCLASTIC RUDSTONE, composed of reworked larger foraminifers (amphisteginids, nummulitids), planktonic foraminifers, bryozoans, molluscan shells and possible corals.

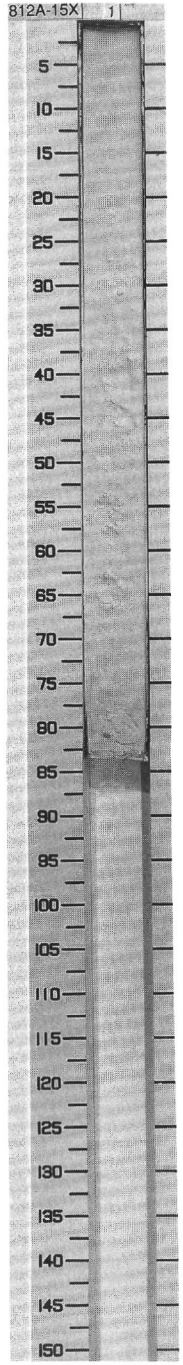
812A 14X NO RECOVERY

SITE 812 HOLE A CORE 15X CORED INTERVAL 112.7-122.3 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
B						1709 ● 2.26		1						DOLOMITIC OOZE with FORAMINIFERS Major lithology: The white (10YR 8/0) DOLOMITIC OOZE with FORAMINIFERS contains up to 50% clear dolomite rhombs in the sand size fraction. Lithified chalk particles up to 1.5 cm in diameter occur throughout. A Pectinid fragment occurs at 44 cm.
								CC					PAL	

SMEAR SLIDE SUMMARY (%):

	CF 1, 73 D	CC,5 D	CC,10 D
TEXTURE:			
Sand	---	20	40
Silt	---	---	40
COMPOSITION:			
Aragonite	---	---	50
Bioclast	---	---	7
Dolomite	100	25	40
Foraminifers	---	---	3
Micrite	---	75	---



SITE 812 HOLE A CORE 16X CORED INTERVAL 122.3-131.9 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
	B							CC				◇		DOLOMITIC CALCAREOUS OOZE with FORAMINIFERS and DOLOMITIC PACKSTONE

Major lithology: Between 0 and 9 cm the sediment is a white (10YR 8/1), DOLOMITIC OOZE with silt-sized FORAMINIFERS, PELOIDS and BIOCLASTS. Possible bioturbation occurs throughout this interval as black (7.5YR 3/0) spots. Between 9 and 19 cm the sediment is a sand-sized DOLOMITIC PACKSTONE with large FORAMINIFERS. This sediment also contains peloids and bioclasts. Between 14 and 17 cm the sediment contains nodules.

SMEAR SLIDE SUMMARY (%):

	CC, 5 D	CC, 10 D
TEXTURE:		
Sand	20	40
Silt	---	40
Clay	80	20
COMPOSITION:		
Aragonite	---	50
Bioclast	---	7
Dolomite	25	40
Foraminifers	---	3
Micrite	75	---

812A 17X NO RECOVERY

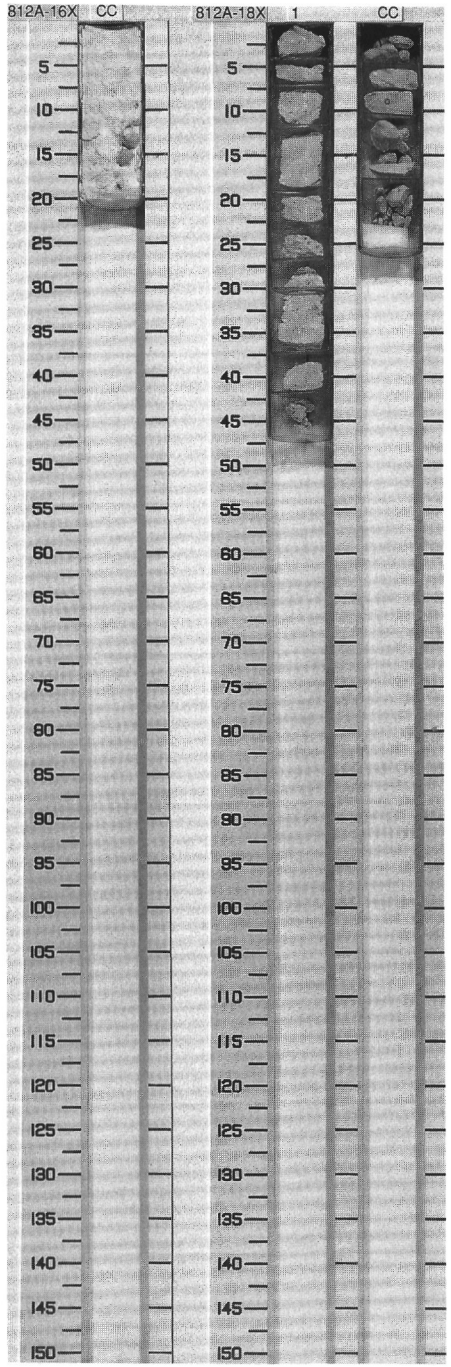
SITE 812 HOLE A CORE 18X CORED INTERVAL 141.6-151.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
		B						1					# *	DOLOMITIZED BIOCLASTIC FLOATSTONE/PACKSTONE
								CC					#	

Major lithology: DOLOMITIZED BIOCLASTIC FLOATSTONE to PACKSTONE. The color grades from white (10YR 8/1) to a pale yellow (10YR 8/3). Coralline fragments are well preserved despite dolomitization, and stand out in the peloidal, microcrystalline dolomitic matrix. Moldic porosity, produced by the selective leaching of bioclasts (mainly bivalves), together with some vuggy porosity is very evident and account for as much as 30% of the total rock volume. Siliciclastic grains, in very minor quantities, also appear locally.

SMEAR SLIDE SUMMARY (%):

	TS 1, 0 D	1, 33 D	TS CC, 8 D
TEXTURE:			
Silt	---	100	---
COMPOSITION:			
Dolomite	50	90	65
Pore space	30	---	---
Quartz	---	10	---
Red algae	20	---	35



SITE 812 HOLE A CORE 19X CORED INTERVAL 151.2-160.9 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
		B						1						DOLOMITIZED PACKSTONE Major lithology: White (10YR 8/2), sucrosic, porous (10%-20%) DOLOMITIZED PACKSTONE. White bioclasts (5%) occur which may have been coralline algae. Porosity is either vuggy (average diameter 1-2 mm) or biomoldic (shell fragments). Pieces 2 and 4 of Section 1 show rusty chips, presumably from the drill string.

SITE 812 HOLE A CORE 20X CORED INTERVAL 160.9-170.5 mbsf

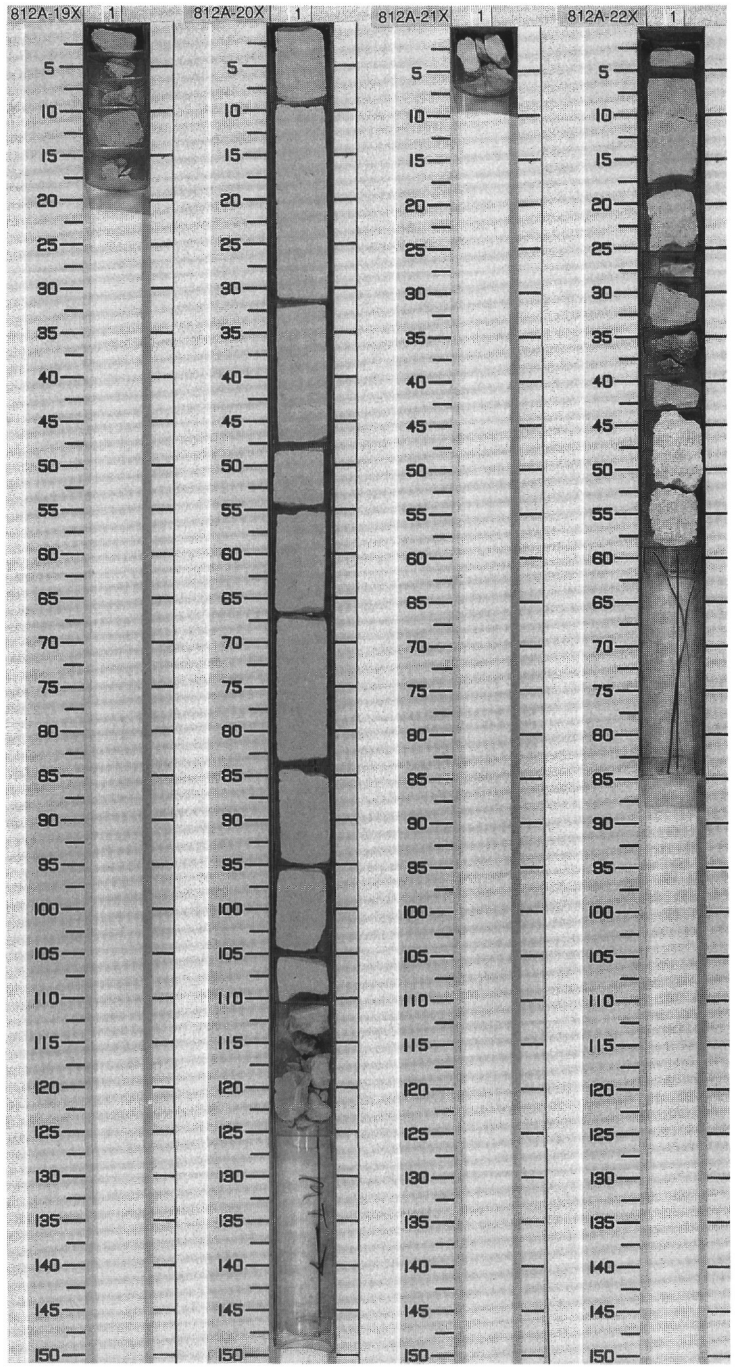
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	B	B				2018 ● 63.1% 2.24	● %TOC=0.05	1	0.5 1.0					DOLOMITIZED PACKSTONE Major lithology: White (10YR 8/2), sucrosic, DOLOMITIZED PACKSTONE with abundant moldic porosity after bioclasts such as bivalves and gastropods. Coralline grains are still recognizable.

SITE 812 HOLE A CORE 21X CORED INTERVAL 170.5-180.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	B							1						DOLOMITIZED PACKSTONE Major lithology: White (10YR 8/2), sucrosic, DOLOMITIZED PACKSTONE with abundant moldic porosity after bioclasts.

SITE 812 HOLE A CORE 22X CORED INTERVAL 180.2-189.9 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
	B						%TOC=0.07 ●	1				Ⓥ		DOLOMITIZED PACKSTONE Major lithology: White (10YR 8/2), sucrosic, DOLOMITIZED PACKSTONE with abundant moldic porosity after bioclasts, 0-40 cm of Section 1. Minor lithology: White (10YR 8/1), porous (20%-30%) DOLOMITIZED RHODOLITH RUDSTONE consisting of rhodoliths, larger foraminifers, and intraclasts, within a bioclastic packstone matrix (40-50 cm of Section 1).



SITE 812 HOLE B CORE 1W CORED INTERVAL 0.0-72.6 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
	B						● 97.7%	1	0.5				# # *

LITHOLOGIC DESCRIPTION

DOLOMITE

Major lithology: White (10YR 8/1 to 8/2) DOLOMITE with poorly preserved primary fabric. Between Piece 1 (minor lithology) and Piece 2 there might be an unconformity. In Piece 2, a hardground with moldic porosity and borings occurs. The borings are infilled with foraminifer nannofossil chalk. A manganese horizon occurs at the bottom of this piece. Piece 3 through Piece 12 become more friable with depth. Matrix may contain aragonite laths. Piece 3 shows moldic porosity and spicules. Piece 5 contains large bore tubes infilled with goethite cement.

Minor lithology: CHALKY MICRITIC NANNOFOSSIL OOZE with FORAMINIFERS occurs in Piece 1.

SMEAR SLIDE SUMMARY (%):

	1, 0 D	TS 1, 9 D	1, 10 D	TS 1, 39 D	1, 68 D
TEXTURE:					
Sand	30	---	---	---	---
Silt	45	---	---	---	---
Clay	25	---	---	---	---
COMPOSITION:					
Aggregates	10	---	---	---	---
Bioclast	---	5	--	---	3
Dolomite	---	20	100	30	35
Foraminifers	20	55	---	50	---
Micrite	25	---	---	20	---
Microsparite	---	20	---	---	---
Nannofossils	45	---	---	---	61
Quartz	---	---	---	---	1

SITE 812 HOLE B CORE 2W CORED INTERVAL 72.6-150.8 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
	B							1	0.5 1.0			◇ ◇	#
								2					

LITHOLOGIC DESCRIPTION

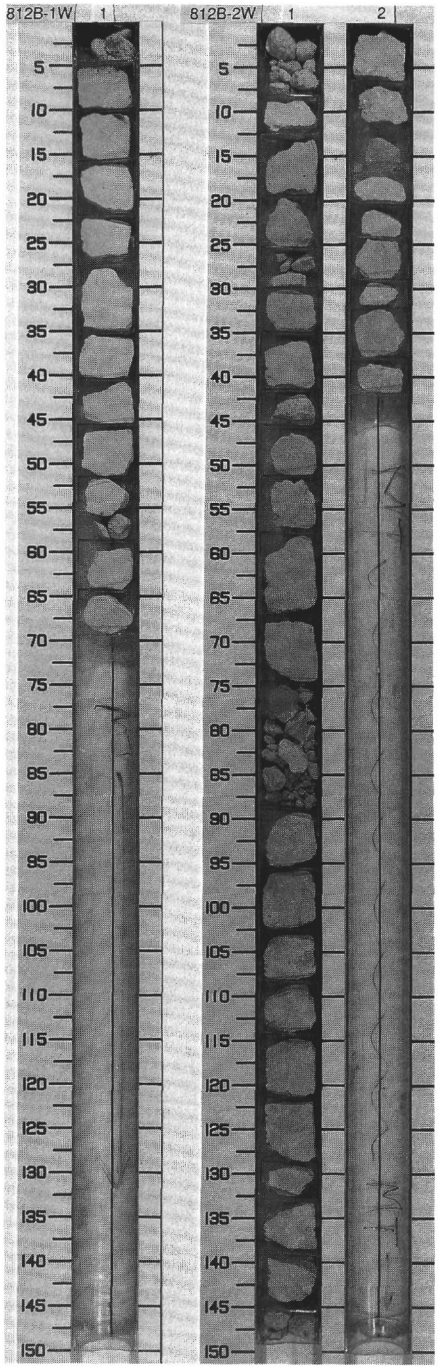
DOLOMITIZED GRAINSTONE to DOLOMITIZED RUDSTONE

Major lithology: In Pieces 3 through 13, very white (10YR 8/0) to white (10YR 8/2), sucrosic, DOLOMITIZED GRAINSTONE with abundant porosity (both interparticle and moldic). Piece 13 contains *Halimeda*, larger foraminifers, a solitary coral, gastropod, and coralline algae. Section 1; Piece 14 to Piece 23 and Section 2; Piece 9 are white (10YR 8/1), porous (mainly moldic porosity), DOLOMITIZED RUDSTONE. Larger foraminifers, algal rhodoliths (Piece 16, Section 1-up to 3 cm in diameter) and nodules are common. Also *Halimeda* (?), gastropods, and solitary corals were found. Piece 9, Section 2, contains bryozoans.

Minor lithology: In section 1, a lithified DOLOMITIZED FORAMINIFER GRAINSTONE occurs. A DOLOMITIZED FORAMINIFER RED ALGAE PACKSTONE with moldic porosity was cored in Section 2, Pieces 1-3. Section 2, Pieces 4-8 contain DOLOMITIZED RED ALGAE FORAMINIFER WACKESTONE with moldic porosity.

THIN SECTION SUMMARY (%):

	1, 98 D
COMPOSITION:	
Dolomite	100

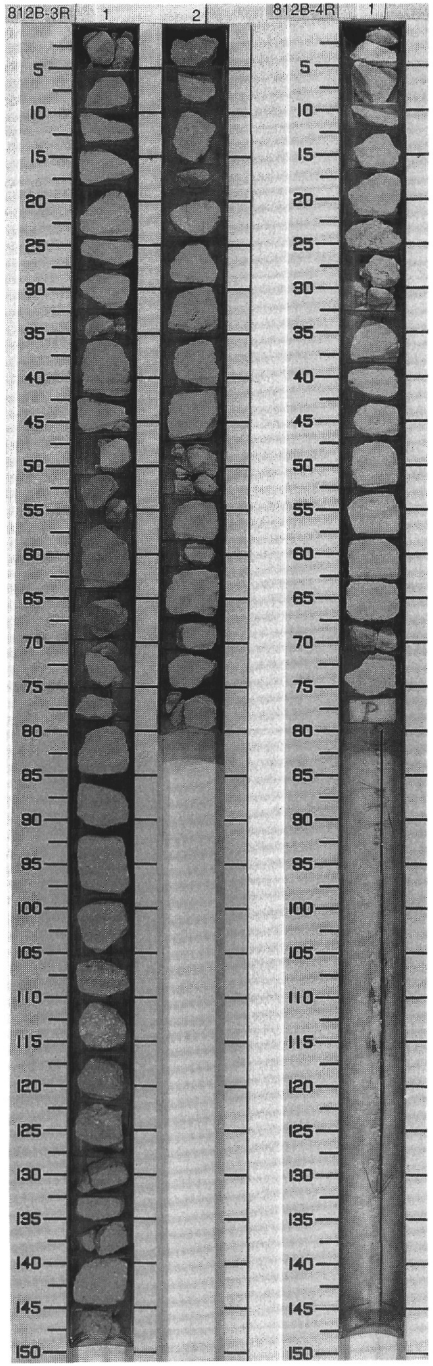


SITE 812 HOLE B CORE 3R CORED INTERVAL 150.8-160.5 mbsf

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
	B						95.9% ● %TOC =0.07 ●	1	0.5 1.0					DOLOMITIZED BIOCLASTIC PELOIDAL PACKSTONE to GRAINSTONE Major lithology: White (10YR 8/2) DOLOMITIZED BIOCLASTIC PELOIDAL PACKSTONE to GRAINSTONE containing algal fragments (Pieces 4 to Piece 6 and Piece 19 to Piece 29).
								2						

SITE 812 HOLE B CORE 4R CORED INTERVAL 160.5-170.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	B						%TOC =0.07 ●	1					*	DOLOMITIZED ALGAL WACKESTONE Major lithology: Very white (10YR 10/0) to white (10YR 8/2), DOLOMITIZED ALGAL WACKESTONE containing bioclastic (including coral) fragments. SMEAR SLIDE SUMMARY (%): 1, 0 D TEXTURE: Sand 80 Silt 10 Clay 10 COMPOSITION: Dolomite 70 Inorganic calcite 30



SITE 812 HOLE B CORE 5R CORED INTERVAL 170.2-179.9 mbsf

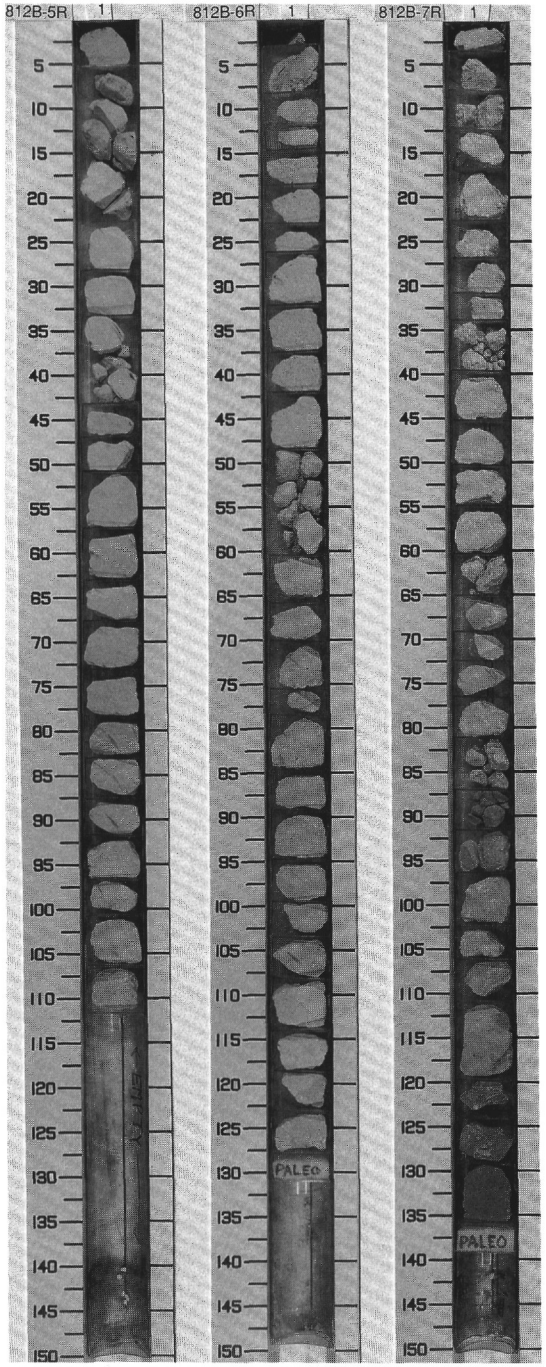
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	B						%TOC ● =0.00	1				◇ ◇	#	DOLOMITIZED ALGAL WACKESTONE Major lithology: Very white (10YR 8/0) to white (10YR 8/1), sucrosic, DOLOMITIZED ALGAL WACKESTONE. Proportion of red algal fragments increases down core. Minor lithology: Piece 19 is a DOLOMITIZED GRAINSTONE containing coralline algae and foraminifers. THIN SECTION SUMMARY (%): 1, 60 D COMPOSITION: Dolomite 50 Pore space 20 Coralline algae 30

SITE 812 HOLE B CORE 6R CORED INTERVAL 179.9-189.5 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
	B						%TOC ● =0.04	1	0.5 1.0				PAL	CORE 133-812B-6R DOLOMITIZED ALGAL GRAINSTONE Major lithology: Very white (10YR 10/0) to white (10YR 8/1), sucrosic, DOLOMITIZED ALGAL GRAINSTONE, with the red algal component occurring as fragments, nodules, and rhodoliths. Piece 2 contains encrusting bryozoans.

SITE 812 HOLE B CORE 7R CORED INTERVAL 189.5-199.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	B						●%TOC=0.05	1	0.5 1.0				PAL	DOLOMITIZED ALGAL GRAINSTONE to RUDSTONE Major lithology: Very white (10YR 10/0) to white (10YR 8/1) DOLOMITIZED ALGAL GRAINSTONE to RUDSTONE, with red algae occurring as fragments, nodules, and rare rhodoliths. Minor lithology: Light brownish gray (2.5Y 6/3), porous (moldic porosity), DOLOMITIZED WACKESTONE to MUDSTONE containing foraminifers and algal, bryozoan, and coral bioclasts.



SITE 812 HOLE B CORE 8R CORED INTERVAL 199.2-208.5 mbsf

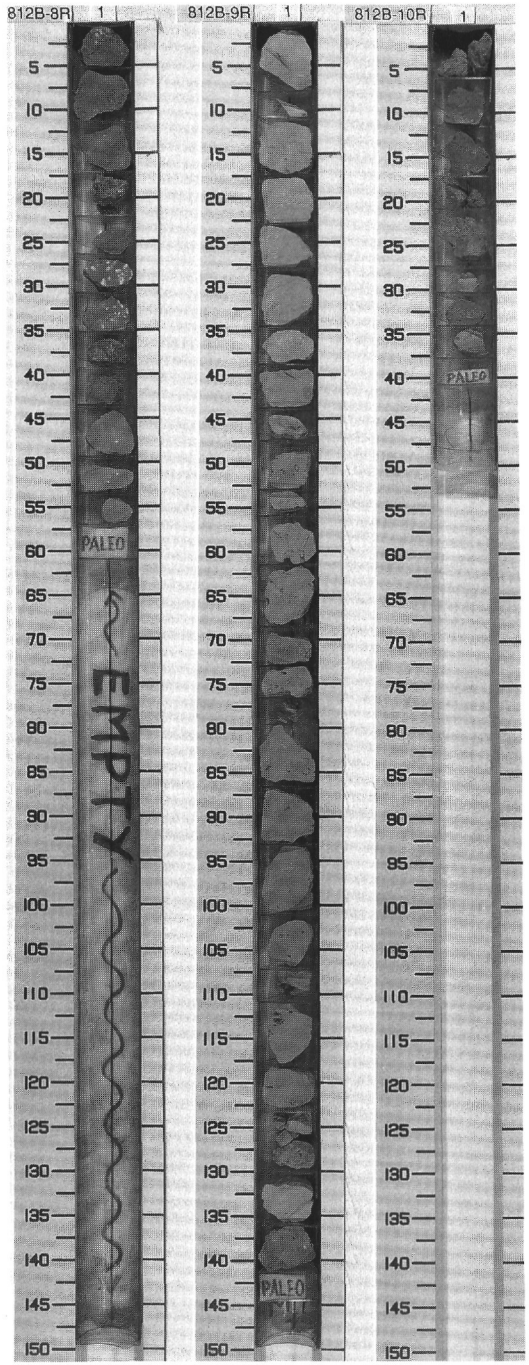
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	B						%TOC=0.25 ●	1	0.5				PAL	DOLOMITIZED BIOCLASTIC WACKESTONE Major lithology: Pale reddish brown (2.5YR 6/3), sucrosic, porous (moldic porosity), mottled (?bioturbated), DOLOMITIZED BIOCLASTIC WACKESTONE containing red algal and possible coral and *Halimeda* fragments and foraminifers.

SITE 812 HOLE B CORE 9R CORED INTERVAL 208.5-218.2 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	B						%TOC=0.08 ●	1	0.5 1.0				PAL	DOLOMITIZED BIOCLASTIC WACKESTONE Major lithology: Very pale brown (10YR 7/3), sucrosic DOLOMITIZED BIOCLASTIC WACKESTONE with burrow mottling and containing coralline, molluscan, and other unidentifiable bioclastic fragments. Sucrosic texture becomes coarser down the core. Minor lithology: Some fragments are DOLOMITIZED BIOCLASTIC FLOATSTONES and DOLOMITIZED BIOCLASTIC PACKSTONES, but are otherwise identical to the major lithology. THIN SECTION SUMMARY (%): 1, 29 D COMPOSITION: Dolomite 100

SITE 812 HOLE B CORE 10R CORED INTERVAL 218.2-227.5 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
	B							1					PAL	DOLOMITIZED BIOCLASTIC WACKESTONE and FLOATSTONE Major lithology: Fragments of very pale brown (10YR 7/4), porous (moldic porosity), DOLOMITIZED BIOCLASTIC WACKESTONE and FLOATSTONE containing coralline algal, coral, and molluscan bioclasts.



SITE 812 HOLE B CORE 11R CORED INTERVAL 227.5-237.1 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
	B							1						DOLOMITIZED BIOCLASTIC FLOATSTONE Major lithology: Two fragments of very pale brown (10YR 7/3), DOLOMITIZED BIOCLASTIC FLOATSTONE with much moldic porosity. Piece 1 contains red algal fragments, and skeletal and peloidal material.

SITE 812 HOLE B CORE 12R CORED INTERVAL 237.1-246.4 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							1						DOLOMITIC BIOCLASTIC WACKESTONE/FLOATSTONE Major lithology: Single fragment of pale yellow/gray (2.5Y 7/3), sucrosic DOLOMITIC BIOCLASTIC WACKESTONE/FLOATSTONE, containing coral and coralline algal fragments and other bioclastic debris. Contains a single light greenish gray (5GY 6/1) horizontal burrow.

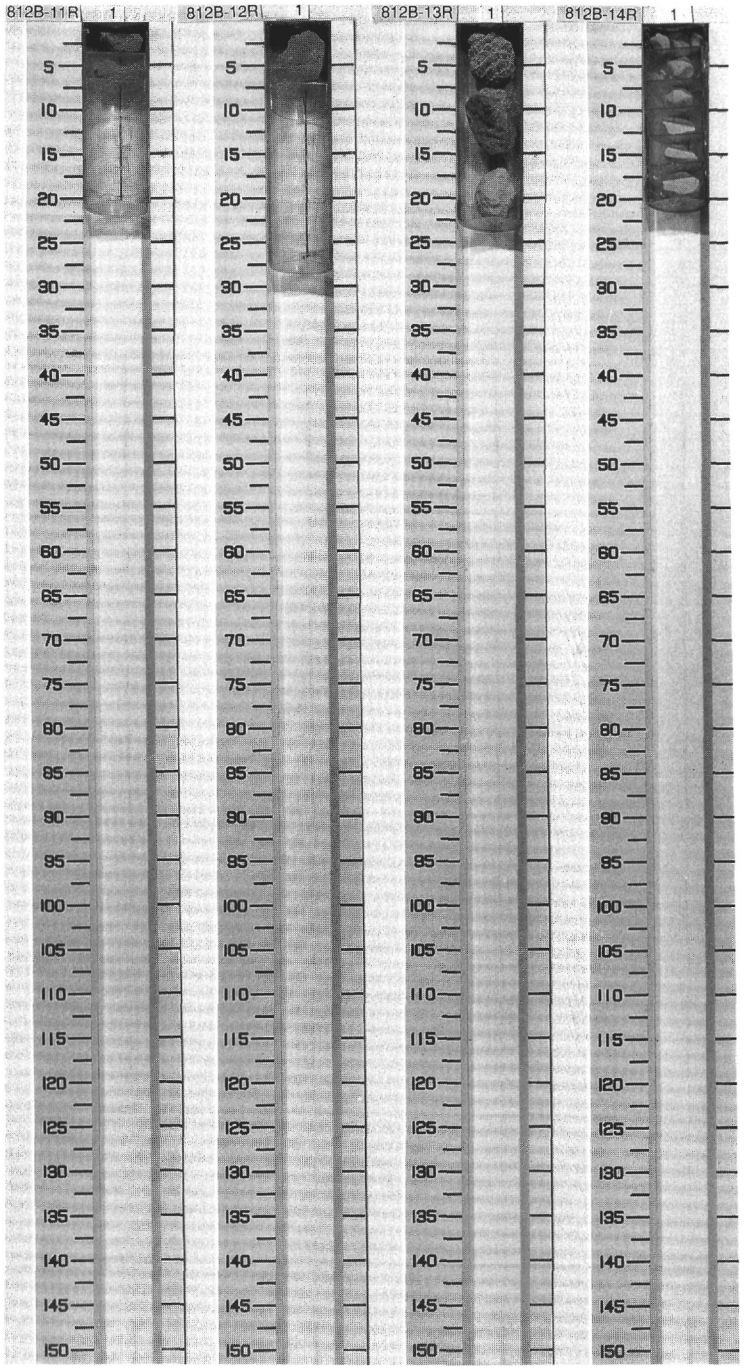
SITE 812 HOLE B CORE 13R CORED INTERVAL 246.4-255.7 mbsf

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							1						DOLOMITIZED PACKSTONE Major lithology: White (10YR 8/2) DOLOMITIZED PACKSTONE with peloids (Piece 1 and Piece 3). Much of Piece 1 is a dolomitized coral. Minor lithology: Piece 2 consists partly of light gray (2.5Y 7/2) DOLOMITIZED BIOCLASTIC PACKSTONE containing a coral fragment, and partly of light greenish gray (10Y 6/2) DOLOMITIZED PACKSTONE with peloids.

SITE 812 HOLE B CORE 14R CORED INTERVAL 255.7-265.4 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	Indeterminate						1						DOLOMITIZED BIOCLASTIC PELOIDAL PACKSTONE Major lithology: White (10YR 8/2), DOLOMITIZED BIOCLASTIC PELOIDAL PACKSTONE with molluscan fragments.

812B 15R NO RECOVERY



SITE 812 HOLE B CORE 16R CORED INTERVAL 275.0-284.7 mbsf

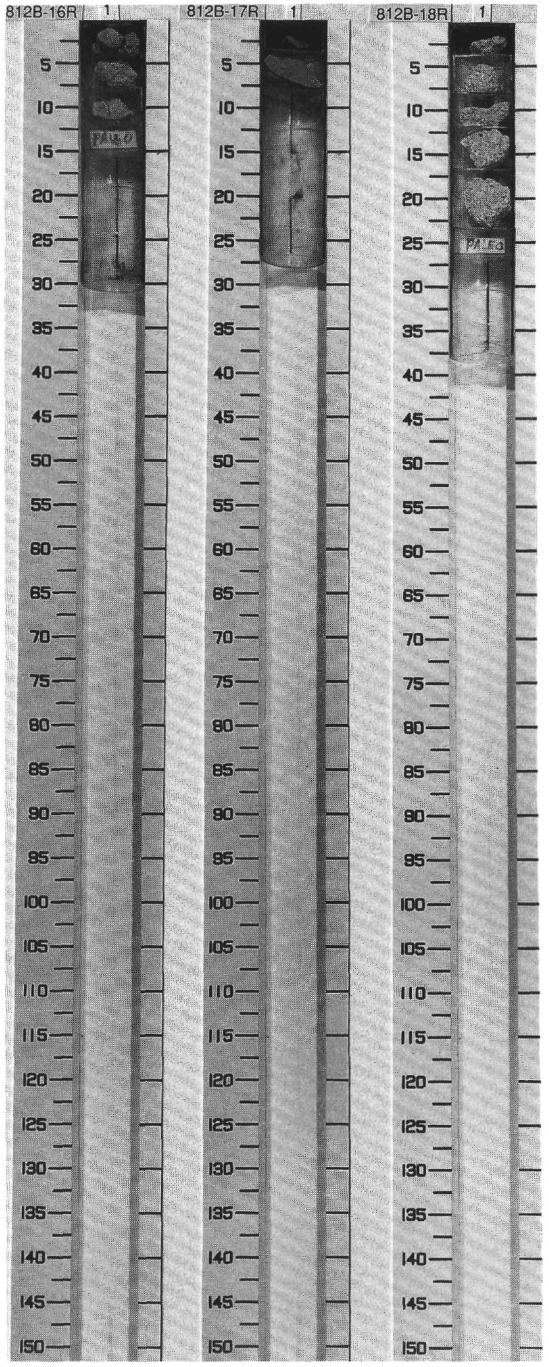
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	B	Indeterminate					%TOC=0.05 99.6%	1					PAL	DOLOMITIZED BIOCLASTIC PACKSTONE Major lithology: White (10YR 8/2), porous, DOLOMITIZED BIOCLASTIC PACKSTONE with abundant large foraminifers, together with coral and coralline algal fragments.

SITE 812 HOLE B CORE 17R CORED INTERVAL 284.7-294.4 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							1						DOLOMITIZED BIOCLASTIC PACKSTONE Major lithology: Very pale brown (10YR 7/3), DOLOMITIZED BIOCLASTIC PACKSTONE with abundant coral and molluscan fragments and minor coralline algal fragments.

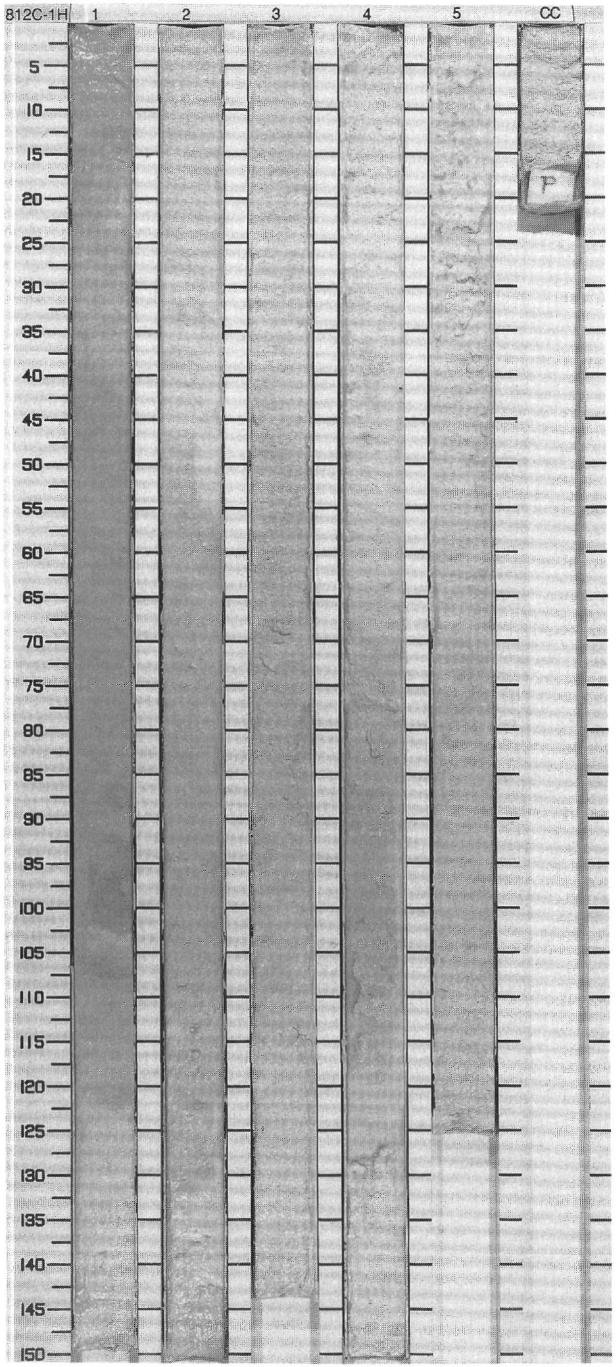
SITE 812 HOLE B CORE 18R CORED INTERVAL 294.4-300.0 mbsf

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
	B	(two specimens) *Reticulofenestra sp.*						1						DOLOMITIZED BIOCLASTIC RUDSTONE Major lithology: Very white (10YR 8/0), DOLOMITIZED BIOCLASTIC RUDSTONE with RHODOLITHS, also containing large foraminifers and fragments of coralline algae, coral, molluscs, and unidentifiable bioclasts.



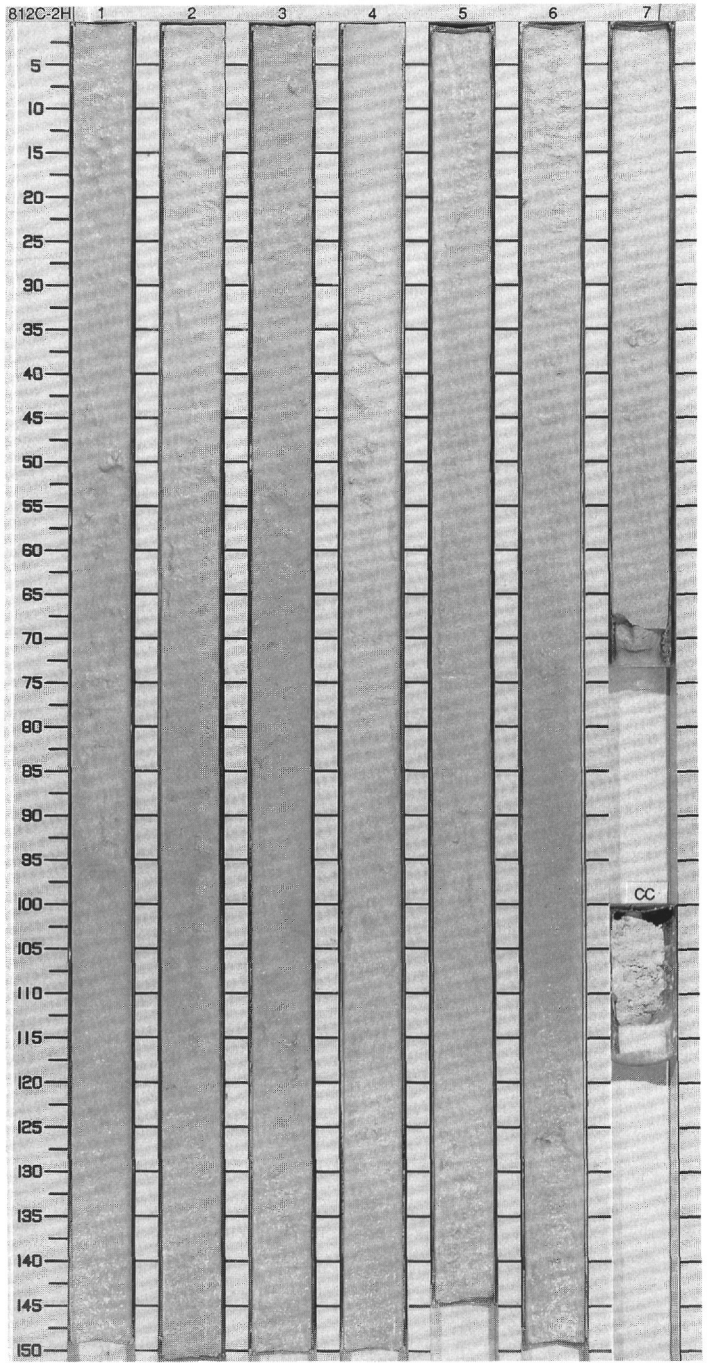
SITE 812 HOLE C CORE 1H CORED INTERVAL 0.0-7.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	A/G	CN14b			N Brunhes	no data	no data	1	0.5 1.0		O			BIOCLASTIC FORAMINIFER OOZE with PTEROPODS Major lithology: White (10YR 8/7) BIOCLASTIC FORAMINIFER OOZE with PTEROPODS in Sections 1 and Section 7. Minor lithology: FORAMINIFER NANNOFOSSIL OOZE with PTEROPODS. Echinoid spines occur.
					N			2			O			
					N			3			O			
								4			O		TW	
					N			5			O			
								CC			O		PAL	

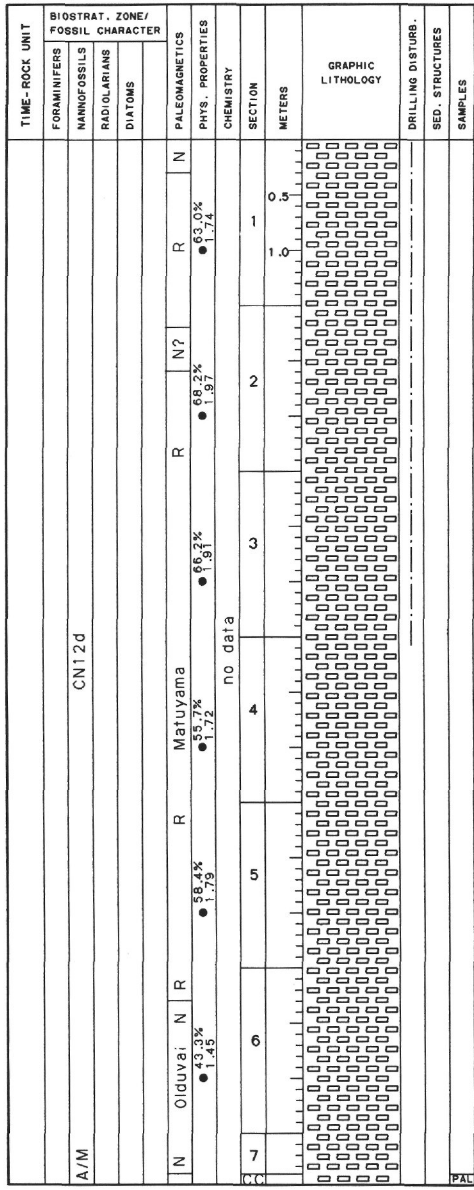


SITE 812 HOLE C CORE 2H CORED INTERVAL 7.4-16.9 mbsf

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
Jaramillo / Matuyama / Brunhes	A/G	CN14a			R N R N R N	no data	no data	1 2 3 4 5 6 7 CC	0.5 1.0				TW PAL	White (10YR 8/1) MICRITIC FORAMINIFER OOZE with PTEROPODS in Section 1.

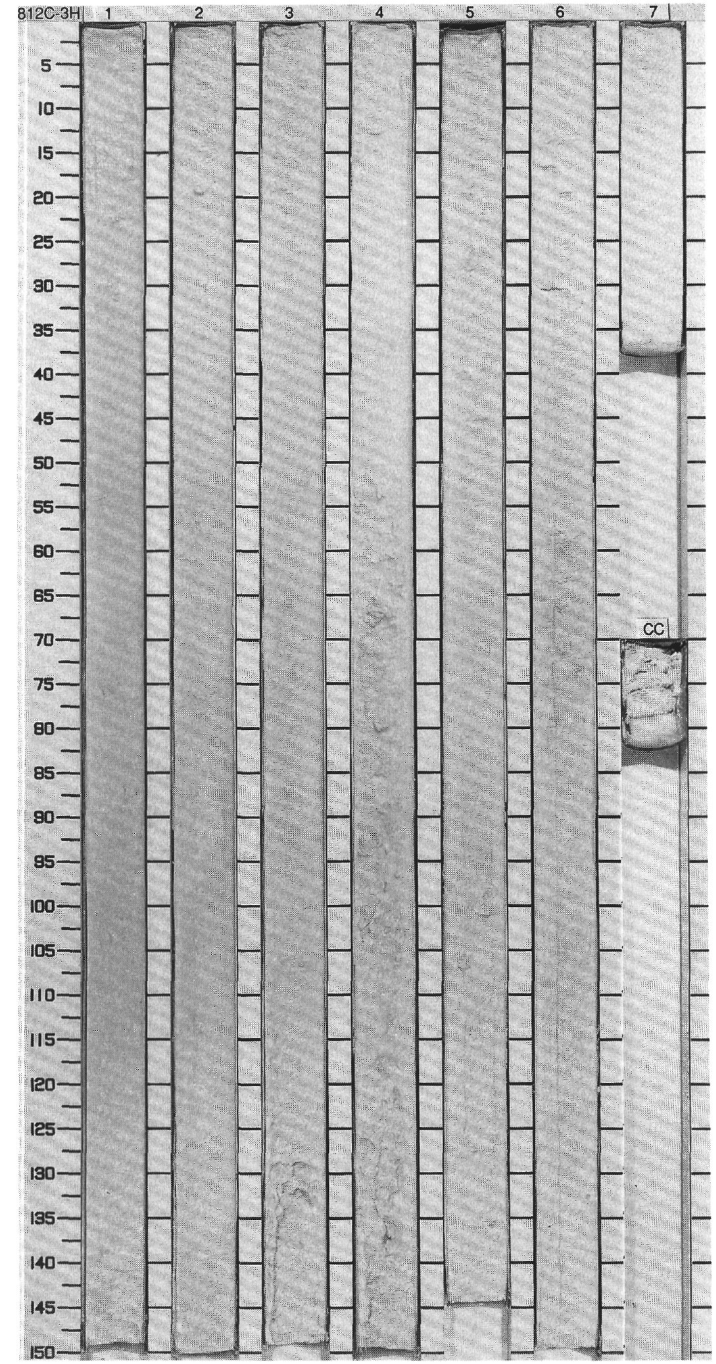


SITE 812 HOLE C CORE 3H CORED INTERVAL 16.9-26.4 mbsf



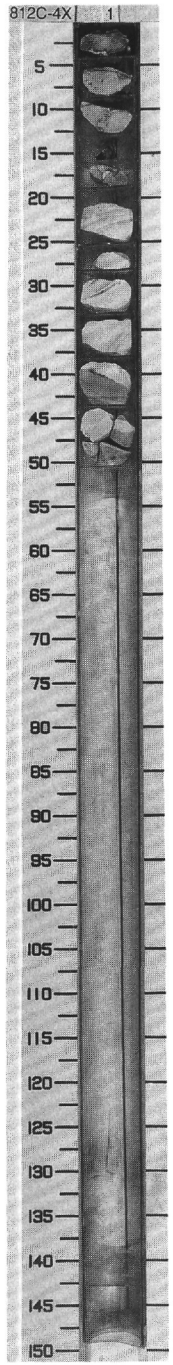
LITHOLOGIC DESCRIPTION

White (10YR 8/1) MICRITIC FORAMINIFER OOZE. Thin molluscan shells occur in Section 92-100 cm.



SITE 812 HOLE C CORE 4X CORED INTERVAL 26.4-29.5 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
		CN13d						1					PAL	HARD GROUND Piece 1: Conglomeratic, polygenetic limestone. Piece 2: Yellowish brown (10YR 7/3) bioturbated BIOCLASTIC PACKSTONE. A large boring (6 cm across) is partly filled with brown (10YR 4/6) phosphatic goethite matrix. Piece 3: Yellowish brown (10YR 7/3 to 10YR 8/2) bored BIOCLASTIC PACKSTONE. Piece 4: Brown (10YR 2/2) polymictic PEBBLE consisting of sand sized grains of limestone and phosphatized ?limestone. Piece 5: Conglomeratic polygenetic LIMESTONE. Piece 6: BIOCLASTIC LIMESTONE in sharp contact with phosphatic/geothitic sediment. Pieces 7-14: Pale yellow (10YR 8/3) BIOCLASTIC PACKSTONE.



SITE 812 HOLE C CORE 5H CORED INTERVAL 29.5-39.0 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
A/M		CN9				● 61.6% 1.76 ● 61.0% 1.73 ● 57.0% 1.83 ● 61.5% 1.82 ● 38.4% 1.43	● 100% ● 99.0% ● 100% ● 99.04% ● 100%	1 2 3 4 5 6 7 CC	0.5		X		* * * OG RW PAL

LITHOLOGIC DESCRIPTION

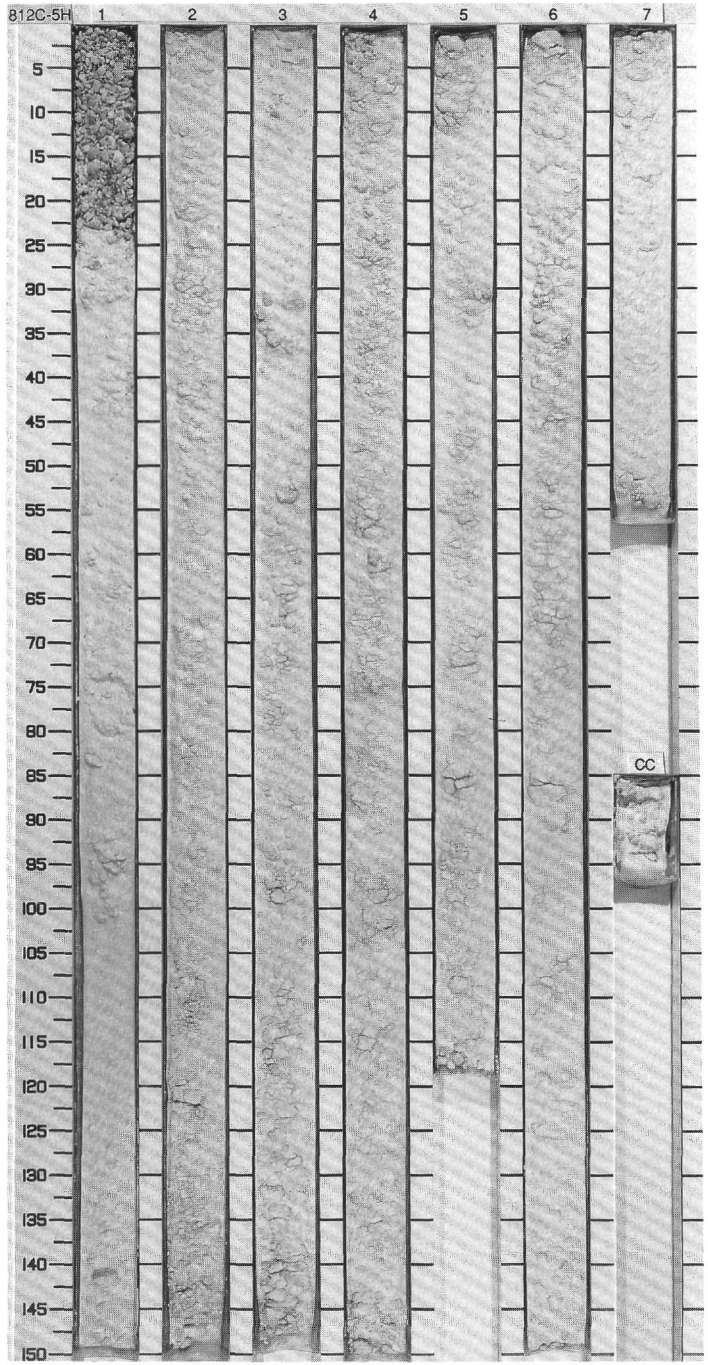
MICRITIC FORAMINIFER NANNOFOSSIL CHALK.

Major lithology: White (10YR 8/0) MICRITIC FORAMINIFER NANNOFOSSIL CHALK with DOLOMITE.

Minor lithology: White (10YR 8/0) MICRITIC FORAMINIFER NANNOFOSSIL OOZE with DOLOMITE.

SMEAR SLIDE SUMMARY (%):

	1, 75 D	1, 115 D	4, 75 D
COMPOSITION:			
Aggregates	15	20	10
Bioclast	---	Tr	15
Dolomite	10	5	5
Foraminifers	15	30	25
Inorganic calcite	10	5	5
Micrite	25	*10*	15
Nannofossils	25	25	25



SITE 812 HOLE C CORE 6H CORED INTERVAL 39.0-48.5 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
	A/P	CN9			● 59.8% 1.70 ● 99.3%	● 56.3% 1.88 ● 98.79%	● 100.1%	6 CC	1.0				PAL
						● 60.3% 1.83	● 100%	5					*
						● 58.5% 1.78	● 100%	4					
						● 62.5% 1.70	● 98.8%	3					
						● 63.0% 1.77	● 99.0%	2					
								1	0.5				TW

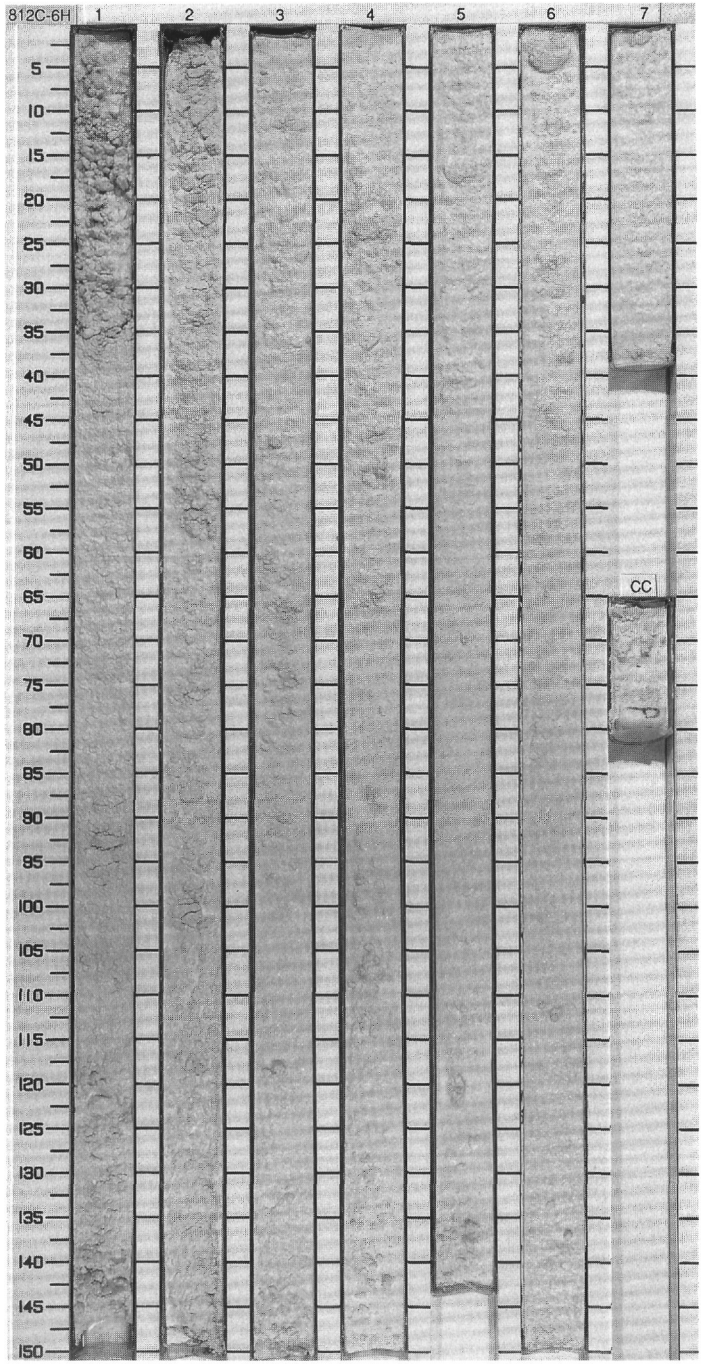
MICRITIC FORAMINIFER NANNOFOSSIL CHALK.

Major lithology: White (10YR 8/0) MICRITIC FORAMINIFER NANNOFOSSIL CHALK with DOLOMITE.

Minor lithology: White (10YR 8/0) MICRITIC FORAMINIFER NANNOFOSSIL OOZE with DOLOMITE.

SMEAR SLIDE SUMMARY (%):

	5, 64 D
Aggregates	15
Bioclast	10
Dolomite	Tr
Foraminifers	25
Inorganic calcite	10
Micrite	15
Nannofossils	25
Quartz	Tr



SITE 812 HOLE C CORE 7H CORED INTERVAL 48.5-58.0 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
	A/M	CN9				58.0% 1.80 100.1% 61.3% 1.73 99.6% 62.3% 1.70 99.9% 58.7% 1.77 99.8% 63.7% 1.77 98.8% 63.6% 1.71 96.2%		1 2 3 4 5 6 7 CC	0.5 1.0				OG PAL

LITHOLOGIC DESCRIPTION

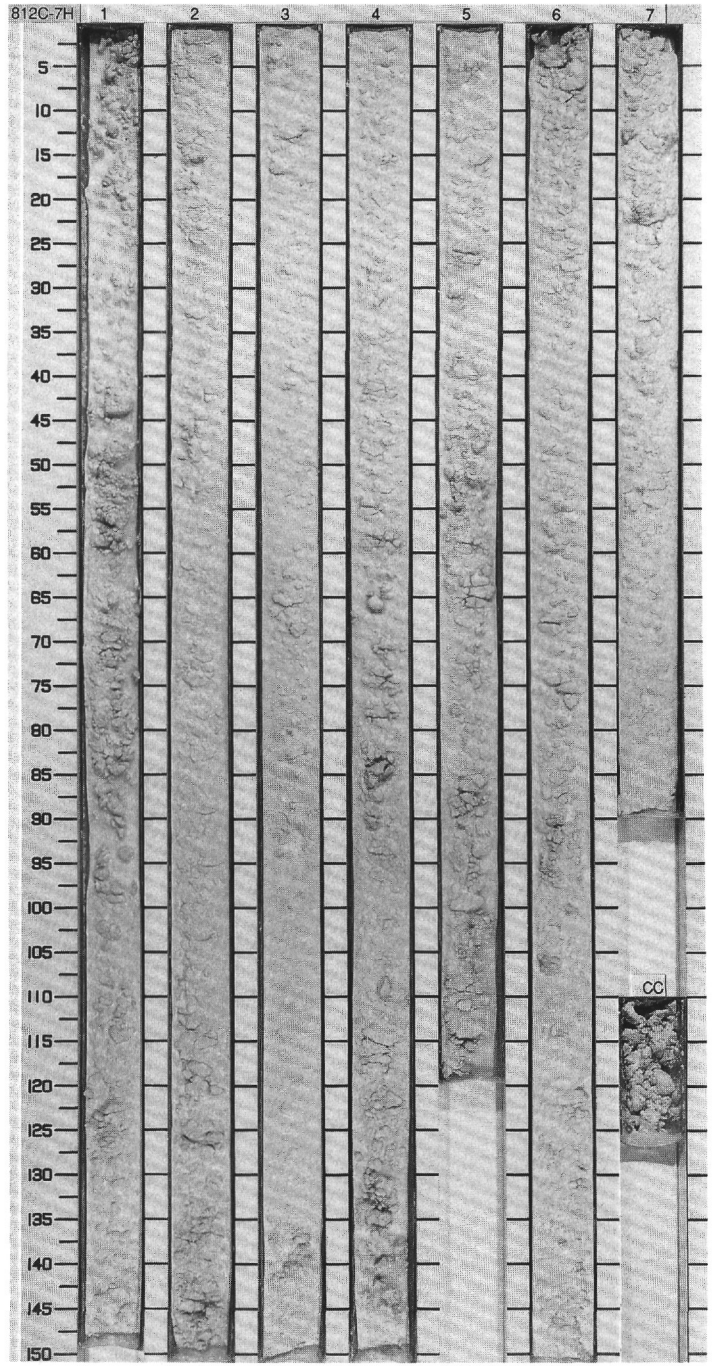
NANNOFOSSIL FORAMINIFER MICRITE CHALK with DOLOMITE and BIOCLASTS

Major lithology: White (10YR 8/0) NANNOFOSSIL FORAMINIFER CHALK with DOLOMITE and BIOCLASTS

Minor lithology: White (10YR 8/0) NANNOFOSSIL FORAMINIFER OOZE.

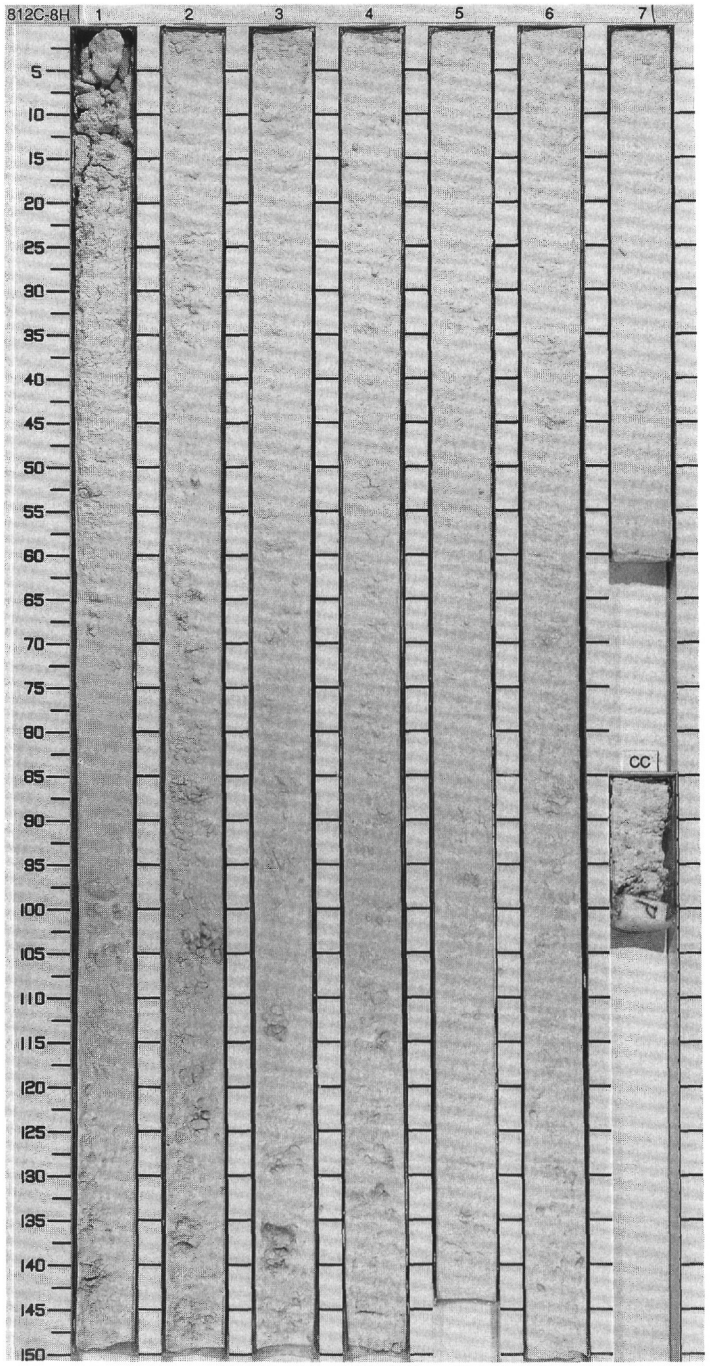
SMEAR SLIDE SUMMARY (%):

	4, 80 D
COMPOSITION:	
Aggregates	20
Bioclast	10
Dolomite	Tr
Foraminifers	20
Inorganic calcite	10
Micrite	20
Nannofossils	20
Quartz	Tr



SITE 812 HOLE C CORE 8H CORED INTERVAL 58.0-67.5 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
	A/M	CN9			● 57.5% 1.83 ● 99.1%	● 57.6% 1.79 ● 98.9%	● %TOC 100.3 ● 97.8%	7 CC	0.5 1.0					FORAMINIFER NANNOFOSSIL MICRITIC OOZE and CHALK Major lithology: Very white (10 YR 8/0) FORAMINIFER NANNOFOSSIL MICRITIC CHALK, partly lithified. Minor lithology: In Section 2 and Section 4, 40-50% of the core are white (10 YR 8/0) FORAMINIFER NANNOFOSSIL MICRITIC OOZE. SMEAR SLIDE SUMMARY (%): 4,80 D COMPOSITION: Aggregates 25 Bioclast 10 Dolomite Tr Fish Tr Foraminifers 15 Inorganic calcite 10 Micrite 20 Nannofossils 20
					● 54.8% 1.86	● 59.1% 1.82 ● 98.5%	● 99.3%	6						
					● 58.4% 1.78	● 63.2% 1.68 ● 99.9%		5					IW	
					● 59.1% 1.75	● 59.2% 1.75 ● 97.3%		4					*	
								3						
								2						
								1						



SITE 812 HOLE C CORE 9H CORED INTERVAL 67.5-77.0 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
		CN9				●62.5% 1.77	●99.4%	1	0.5				
									1.0				
						●58.1% 1.79	●99.0%	2					
						●58.3% 1.80	●98.7%	3					*
						●50.4% 1.93	●100.0%	4					
						●56.2% 1.86	●99.9%	5					
								6					IW
	A/M				●52.7% 1.86		●94.9%	7					
								CC					PAL

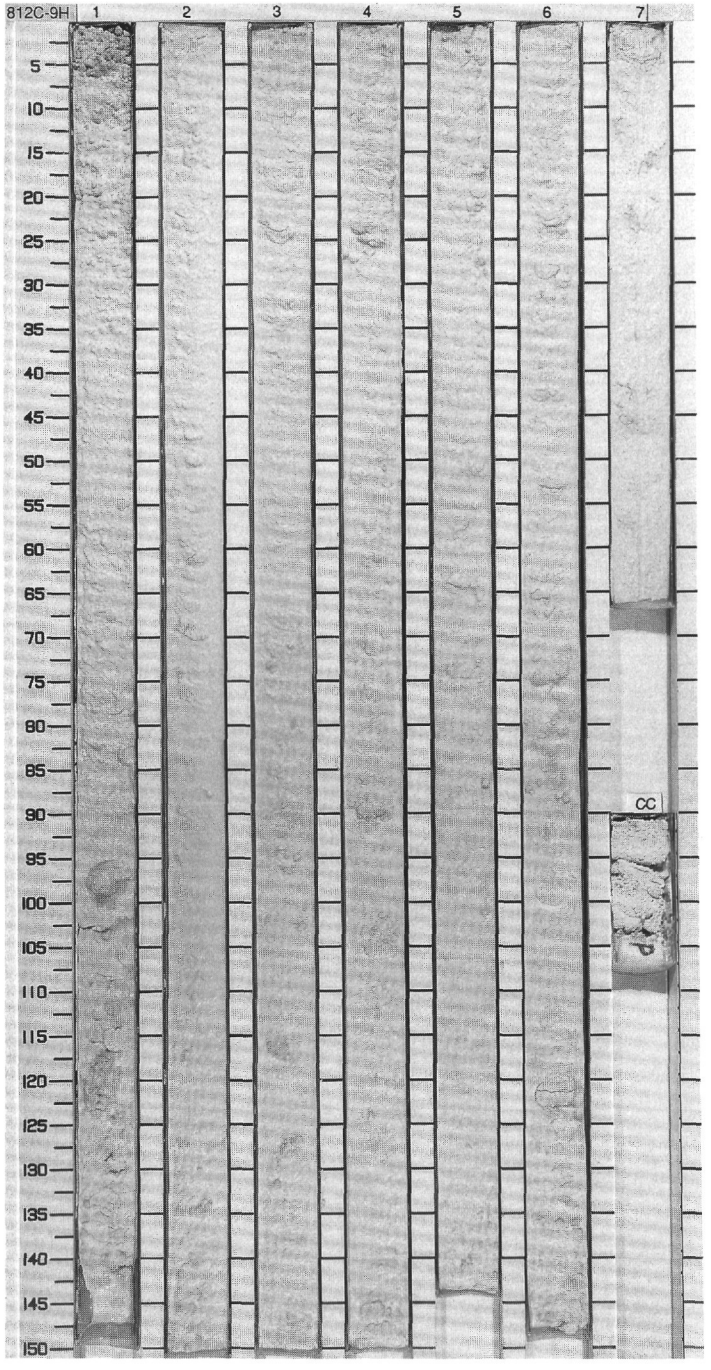
LITHOLOGIC DESCRIPTION

FORAMINIFER NANNOFOSSIL MICRITIC CHALK

Major lithology: White (10 YR 8/0), partially lithified FORAMINIFER NANNOFOSSIL CHALK. In Section 3 benthic foraminifers were observed.

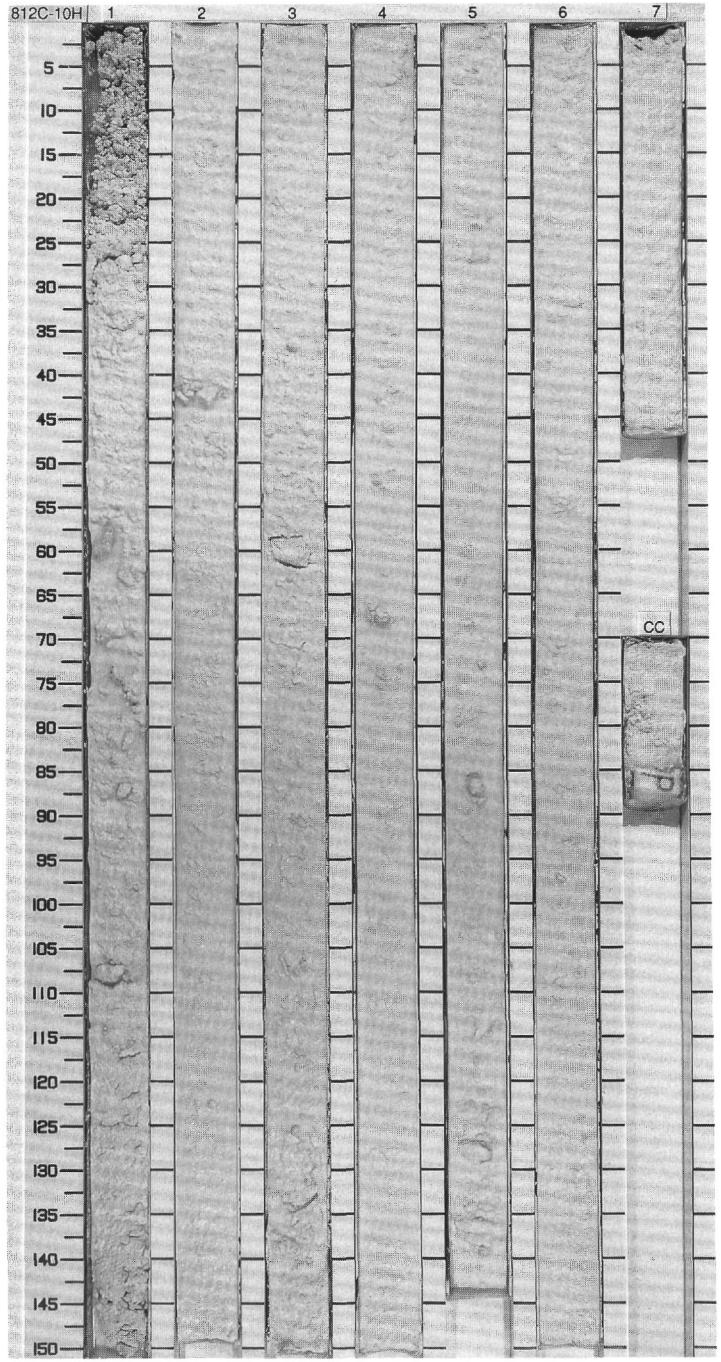
SMEAR SLIDE SUMMARY (%):

	3,70
COMPOSITION:	
Aggregates	20
Bioclast	10
Dolomite	Tr
Foraminifers	20
Inorganic calcite	10
Micrite	15
Nannofossils	25



SITE 812 HOLE C CORE 10H CORED INTERVAL 77.0-86.5 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
		CN9				● 63.6% 1.67 ● 99.6%	● 60.6% 1.80 ● 100.0%	1	0.5					CORE 133-812C-10H FORAMINIFER MICRITIC CHALK Major lithology: White (10 YR 8/0), partially lithified FORAMINIFER MICRITIC CHALK. The foraminifers are dominated by benthics. Section 1 contains large branched bryozoans between 56-62 and 70-74 cm. In Section 4, Section 5 and the core catcher, nannofossils occur. SMEAR SLIDE SUMMARY (%): 3,86 D COMPOSITION: Bioclast 10 Dolomite TR Foraminifers 5 Inorganic calcite 15 Lithoclast 35 Micrite 25 Nannofossils 10
									1.0					
						● 60.1% 1.73 ● 62.0% 1.71	● 97.5% ● 97.5%	2						
						● 59.8% 1.80	● 100.5%	3					*	
						● 60.8% 1.80	● 100.0%	4						
						● 49.1% 1.58 ● 98.9%	● 98.2%	5						
		A/M						6						
								7						
								CC						



SITE 812 HOLE C CORE 11H CORED INTERVAL 86.5-96.0 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
		CN9				● 60.3% 1.76	● 100.3%	1	0.5 1.0				
						● 56.5% 1.80	● 100.4%	2					
						● 59.6% 1.82	● 100.8%	3					*
						● 59.6% 1.82	● 101.5%	4					
						● 59.8% 1.73	● 100.9%	5					
		A/P				● 64.8% 1.68	● 99.0%	6					TW
								7					
								CC					

LITHOLOGIC DESCRIPTION

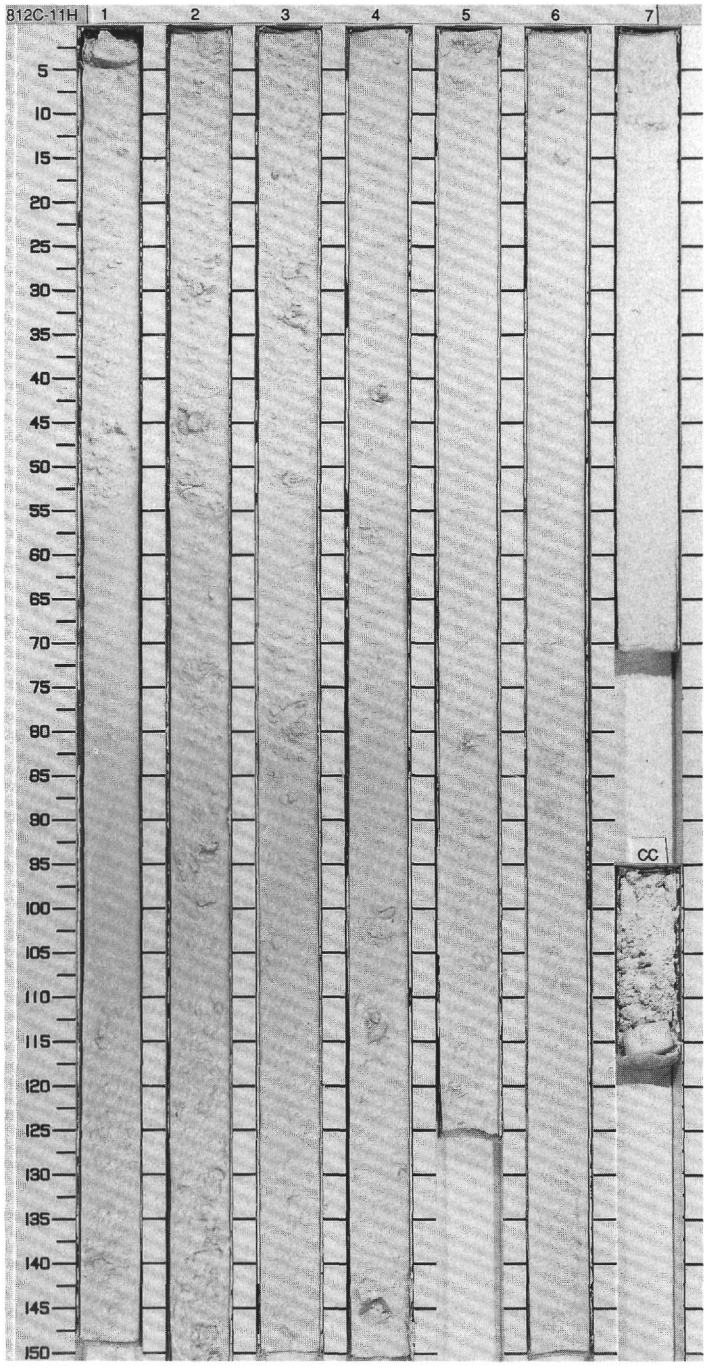
FORAMINIFER MICRITIC CHALK

Major lithology: White (10 YR 8/0) FORAMINIFER MICRITIC CHALK. The foraminifers are mainly benthics. Minor (<5%) bioclasts, which may be encrusted by bryozoans, and dolomite occur.

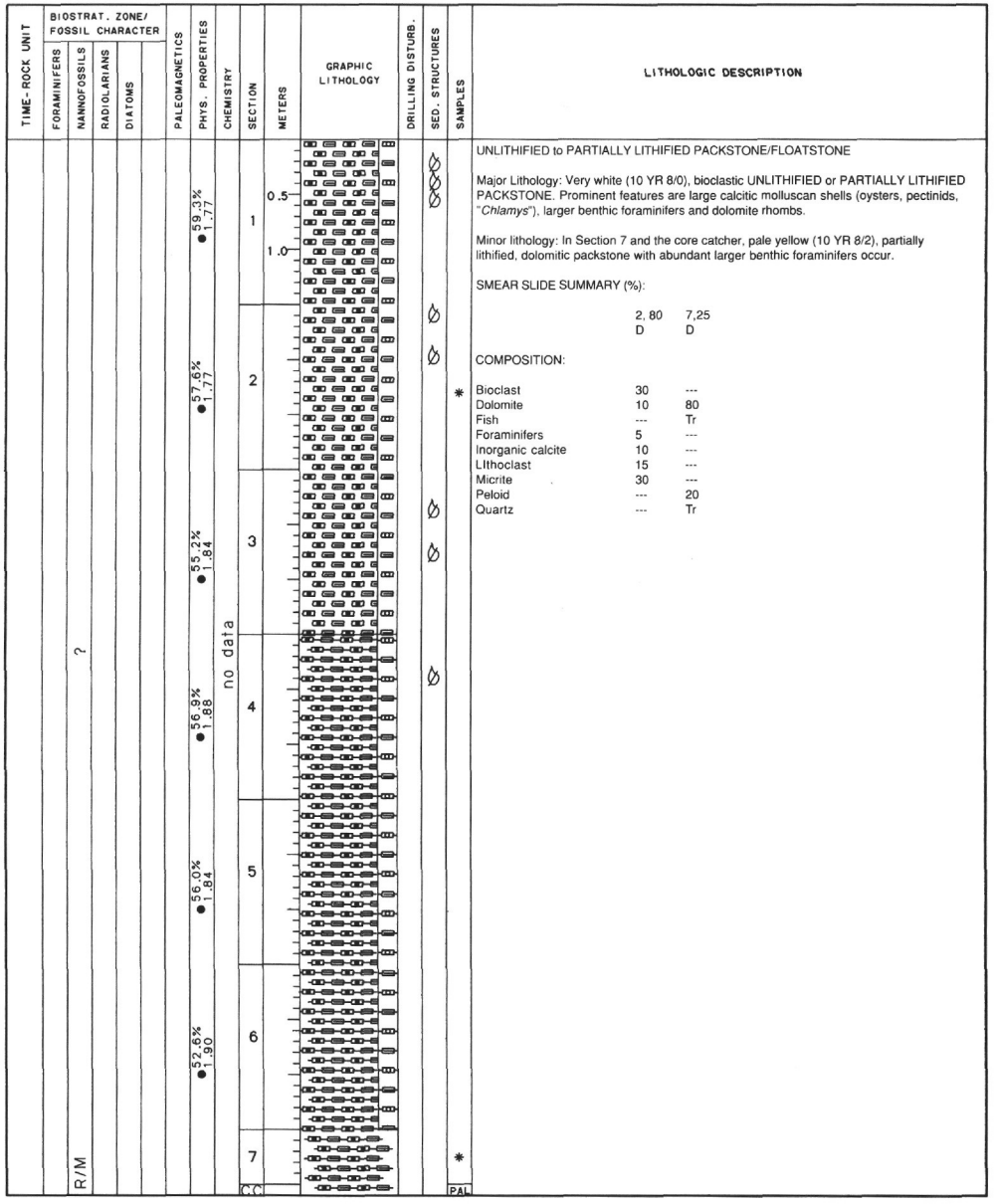
Minor lithology: The core catcher contains a layer (12-21 cm) of unlithified skeletal packstone with abundant larger foraminifers and fragments of pectinids.

SMEAR SLIDE SUMMARY (%):

	3,75 D
COMPOSITION:	
Bioclast	45
Dolomite	5
Fish	Tr
Foraminifers	10
Inorganic calcite	10
Lithoclast	10
Micrite	10
Nannofossils	10



SITE 812 HOLE C CORE 12H CORED INTERVAL 96.0-105.5 mbsf



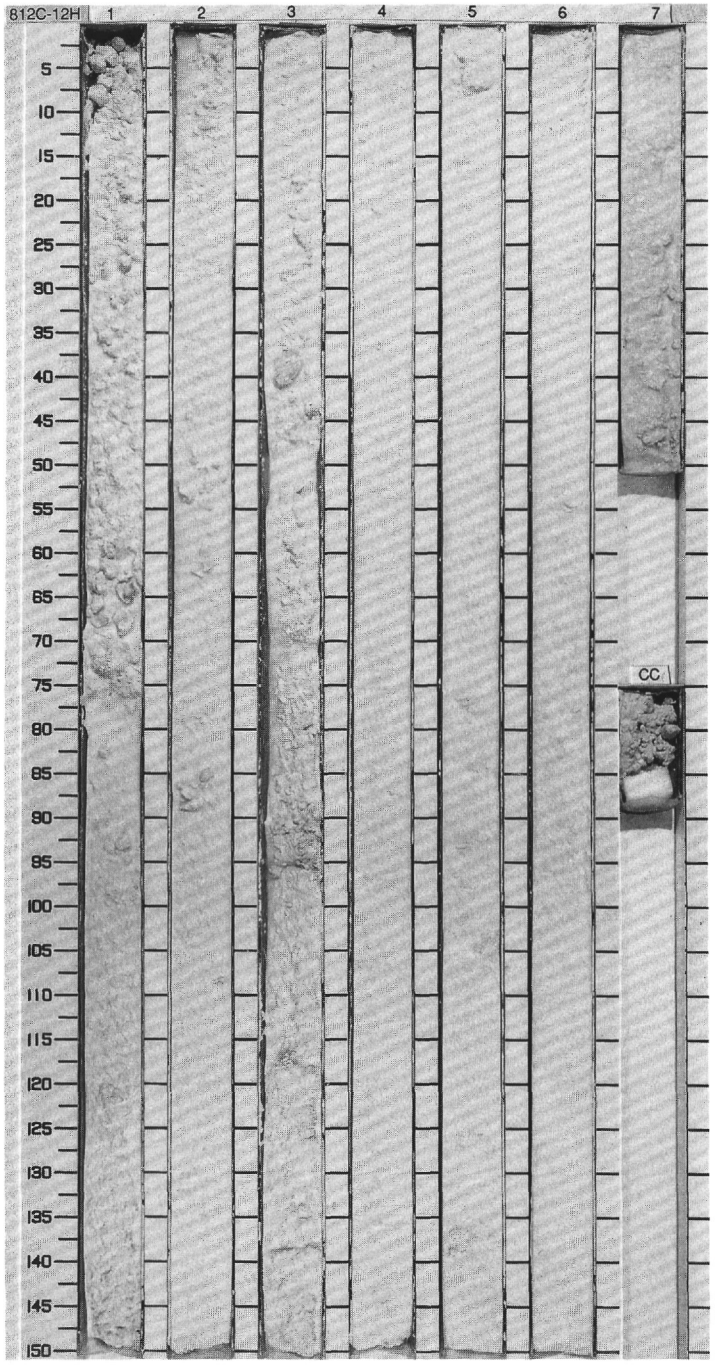
UNLITHIFIED to PARTIALLY LITHIFIED PACKSTONE/FLOATSTONE

Major Lithology: Very white (10 YR 8/0), bioclastic UNLITHIFIED or PARTIALLY LITHIFIED PACKSTONE. Prominent features are large calcitic molluscan shells (oysters, pectinids, "*Chlamys*"), larger benthic foraminifers and dolomite rhombs.

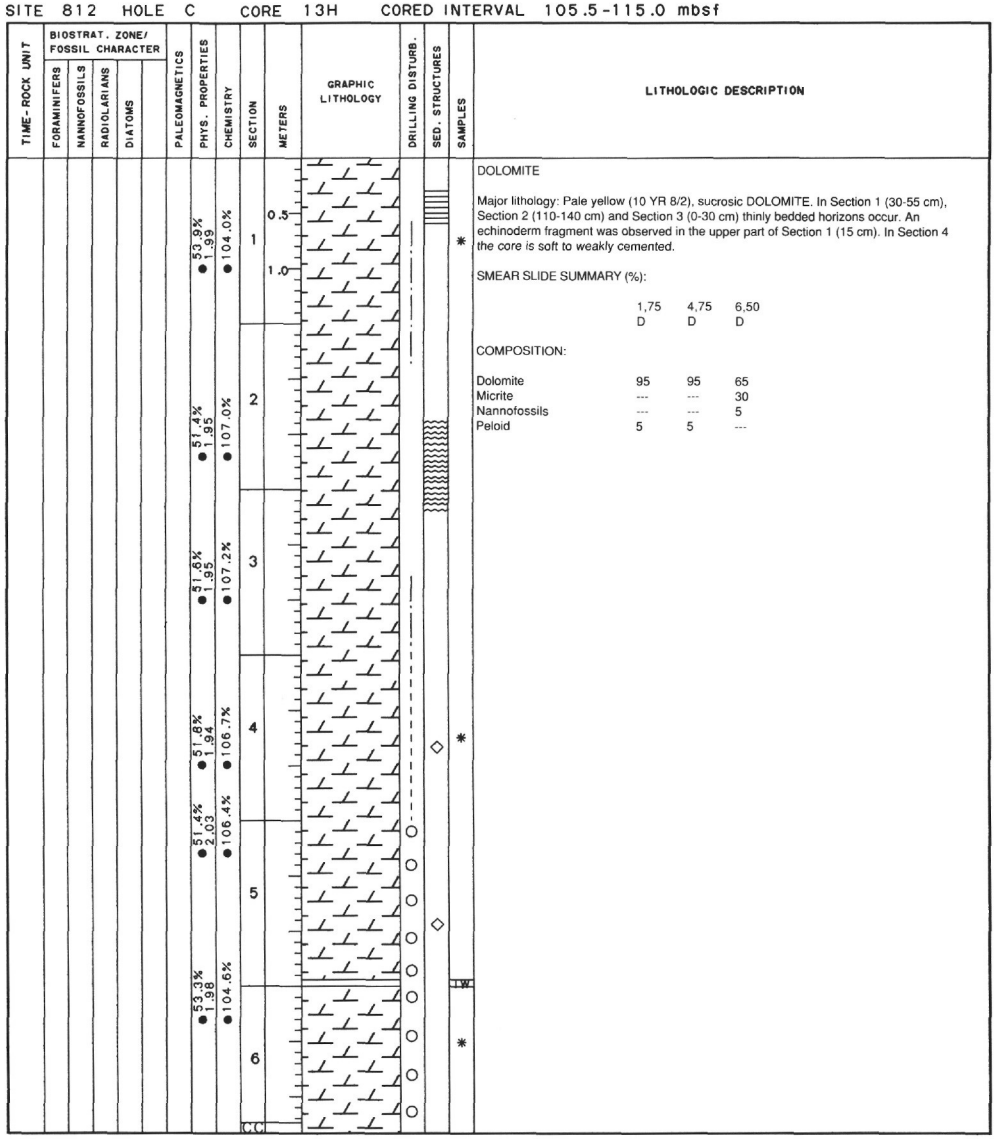
Minor lithology: In Section 7 and the core catcher, pale yellow (10 YR 8/2), partially lithified, dolomitic packstone with abundant larger benthic foraminifers occur.

SMEAR SLIDE SUMMARY (%):

	2, 80 D	7,25 D
COMPOSITION:		
Bioclast	30	---
Dolomite	10	80
Fish	---	Tr
Foraminifers	5	---
Inorganic calcite	10	---
Lithoclast	15	---
Micrite	30	---
Peloid	---	20
Quartz	---	Tr



SITE 812 HOLE C CORE 13H CORED INTERVAL 105.5-115.0 mbsf

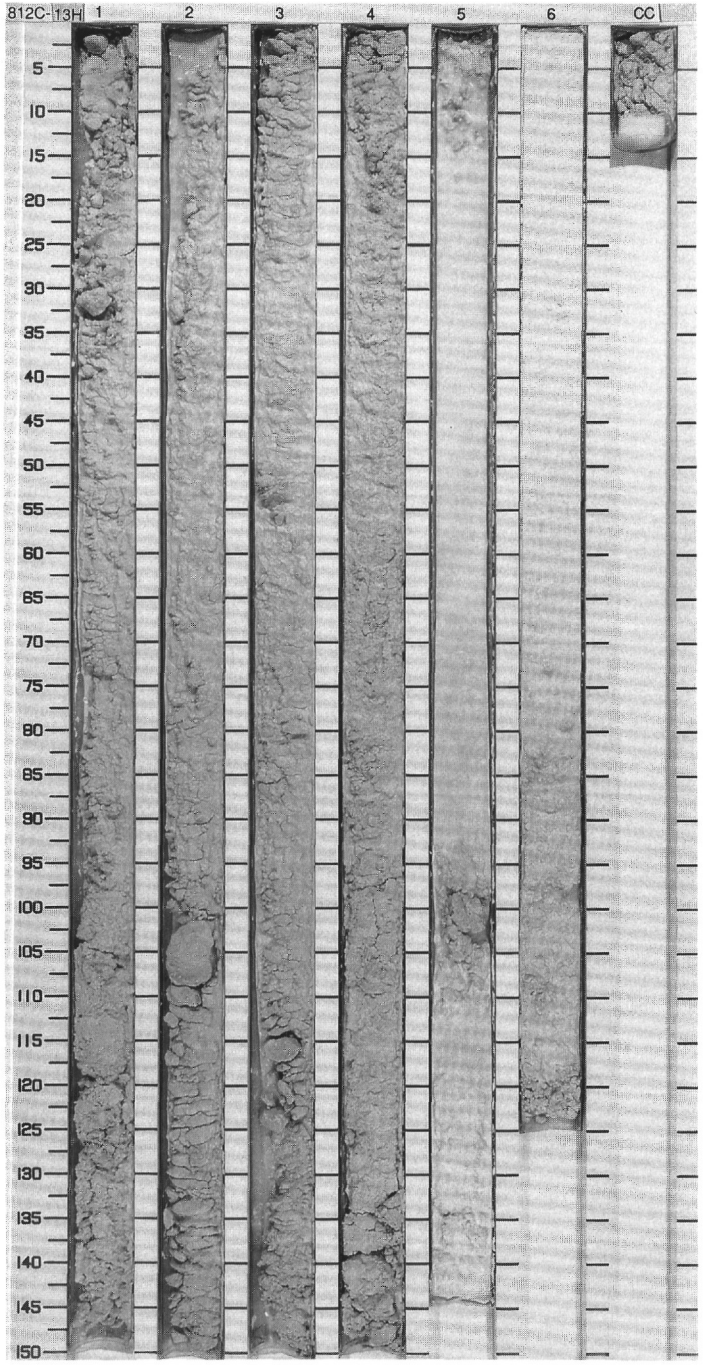


DOLOMITE

Major lithology: Pale yellow (10 YR 8/2), sucrosic DOLOMITE. In Section 1 (30-55 cm), Section 2 (110-140 cm) and Section 3 (0-30 cm) thinly bedded horizons occur. An echinoderm fragment was observed in the upper part of Section 1 (15 cm). In Section 4 the core is soft to weakly cemented.

SMEAR SLIDE SUMMARY (%):

	1,75 D	4,75 D	6,50 D
COMPOSITION:			
Dolomite	95	95	65
Micrite	---	---	30
Nannofossils	---	---	5
Peloid	5	5	---



SITE 812 HOLE C CORE 14X CORED INTERVAL 115.0-121.4 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
									CC						DOLOMITE Two pieces of well-indurated dolomite were recovered in this core.

812C 15X NO RECOVERY

812C 16X NO RECOVERY