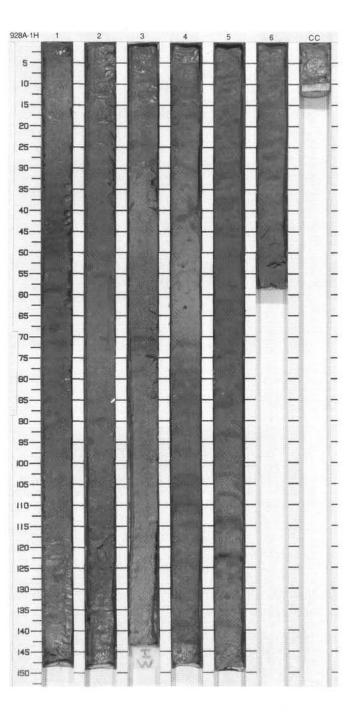
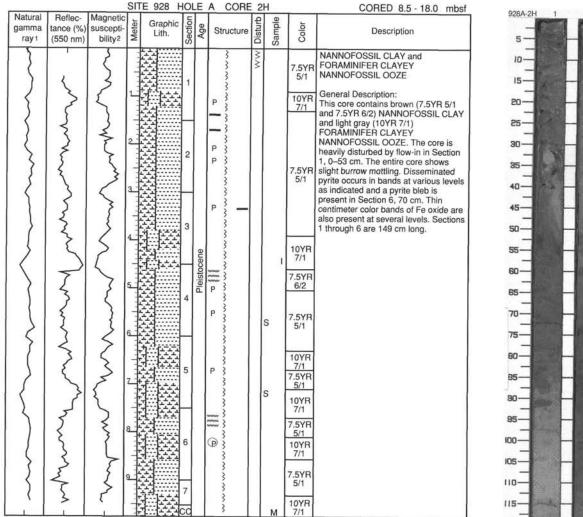


0 20 10 20 0 20 40





0 20 10 20 0 20 40

SITE 928

2

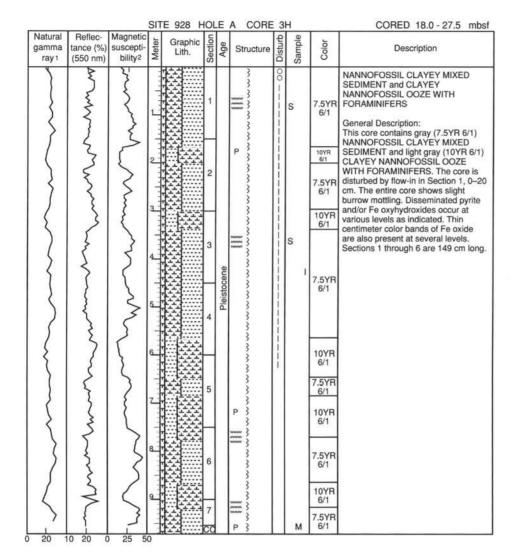
3

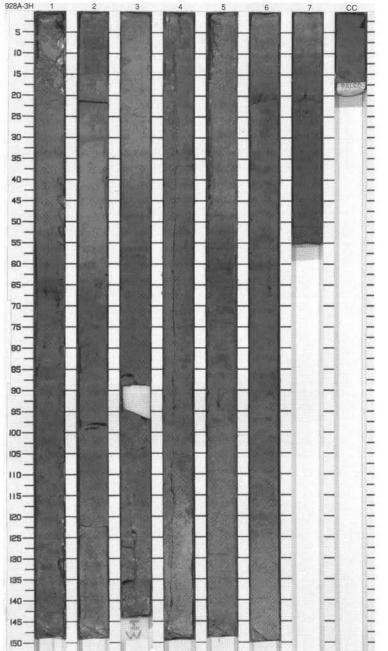
4

5

6 7

CC







				E 928 H			A CORE				CORED 27.5 - 37.0 mbsf	928A-4H 1	2 3	4
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	5		12
.)	2		T				3	000		2.5Y 7/2	NANNOFOSSIL CLAY MIXED SEDIMENT and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS			
	Ym		Sector Sector		2		P P P P P P		s	10YR 5/1	General Description: This core contains gray (10YR 5/1) NANNOFOSSIL CLAY MIXED SEDIMENT and light gray (2.5Y 7/2) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. The core is disturbed by flow-in in Section 1, 1–70 cm. The entire core shows slight burrow mottling. Disseminated pyrite	25 30 35 35		Ener Process
}	m	7	P		3	Pleistocene	P		S	10YR 5/1 To 2.5Y	and/or Fe oxyhydroxides occur at various levels as indicated. Thin centimeter color bands of Fe oxide are also present at several levels. Sections 1 through 6 are 149 cm long.			
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	hard and and and and and and and and and an	Current Production		5		»			7/2				
$\left\{ \right.$		$\left\{ \right\}$			6		γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ			10YR 5/1		90 — — 95 — — 100 — — 105 — —		
20 1	<pre></pre>	25 5	50		7 CC		****		м	2.5Y 7/2 10YR 5/1				1000

125-

130-

135-140-145-

150-

W

856

SITE 928

CC

-

-

-

-

-

=

-

-

-

-

-

_

_

_

-

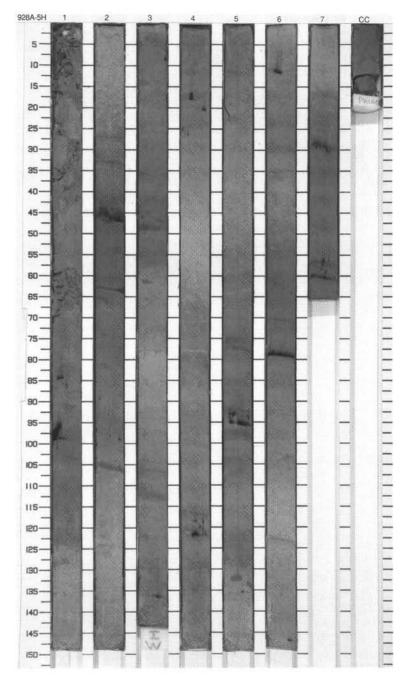
7

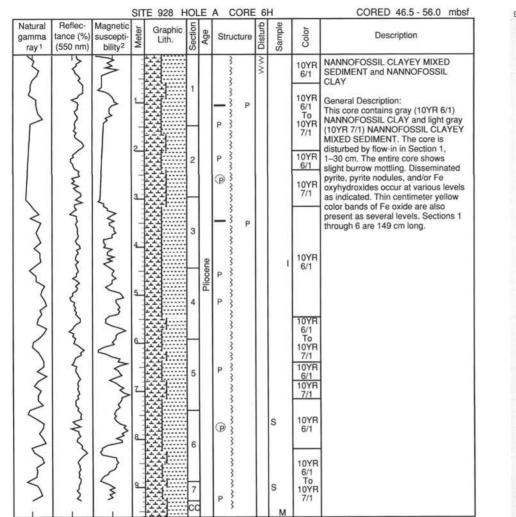
5

SITE 928 HOLE A CORE 5H

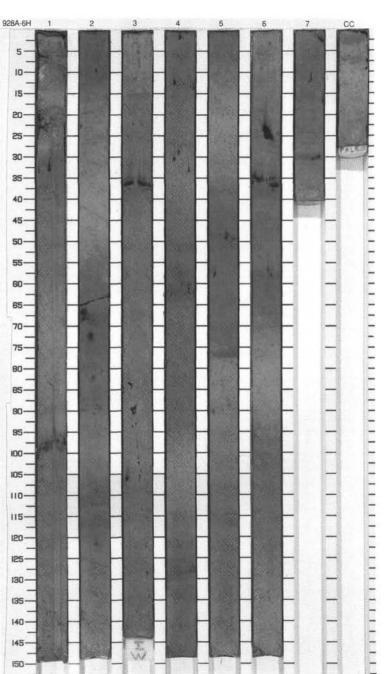
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	-	Graphic Lith.	Section			12	Sample	Color	Description
}	- ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		others Freedom		1			4			NANNOFOSSIL CLAYEY MIXED SEDIMENT and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains gray (10YR 6/1) NANNOFOSSIL CLAYEY MIXED SEDIMENT and light gray (10YR 7/1)
}	Y	}	2		2						CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. The core is disturbed by flow-in in Section 1, 1–70 cm. The entire core shows sligh burrow mottling. Disseminated pyrite,
>	San Andrew San	}	4		3	ene	3 P		s		pyrite nodules, and/or Fe oxyhydroxides occur at various levels as indicated. Thin centimeter color bands of Fe oxide are also present at several levels. Sections 1 through 6 are 149 cm long.
Ź	N	2	5			Pliocene-Pleistocene	>>> P		s	10YR 6/1 To 10YR	<u>g</u>
}	Y	}	6		4	Plio	, } ? ?			7/1	
}	M	}	Z		5		P				
}	Y	}			6		, , , , , , , , , , , , , , , , , , ,				
Ş	3	{	and and a		7		P		м		

0 20 10 20 0 50 100



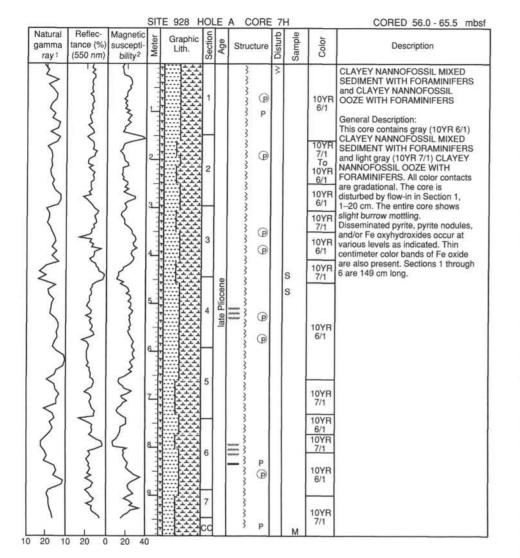


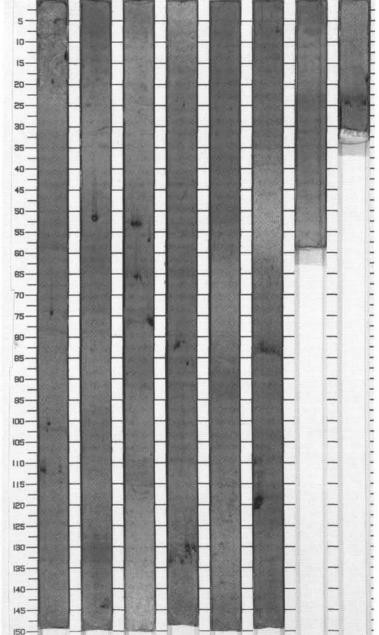
10 20 10 20 10 20 30



150-

858





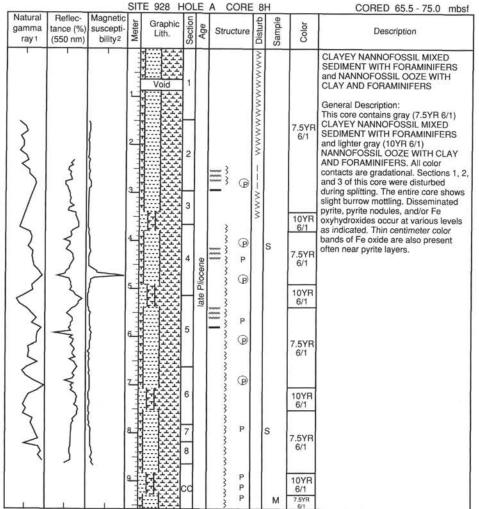
4 5 6 7

CC

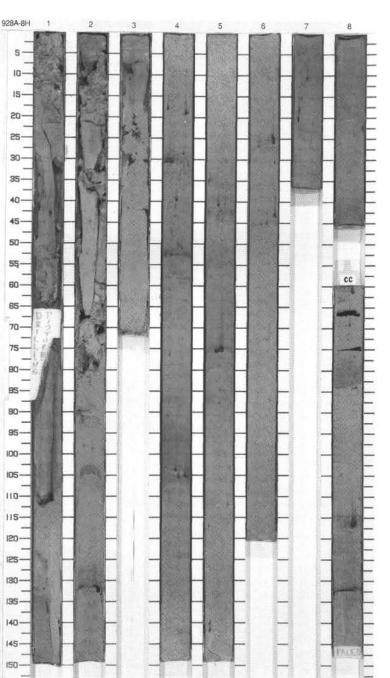
928A-7H

1 2 3

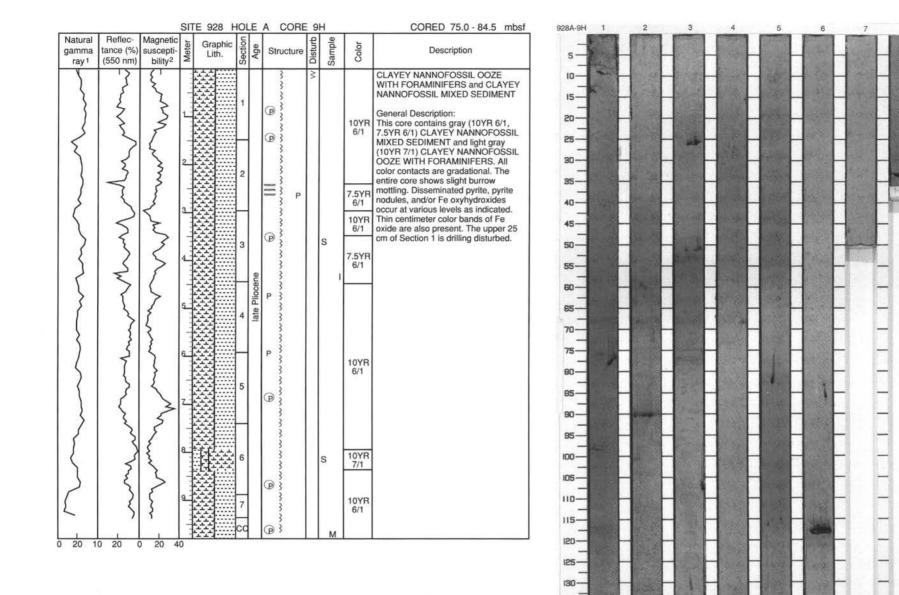
859



10 20 10 20 0 100 200



860

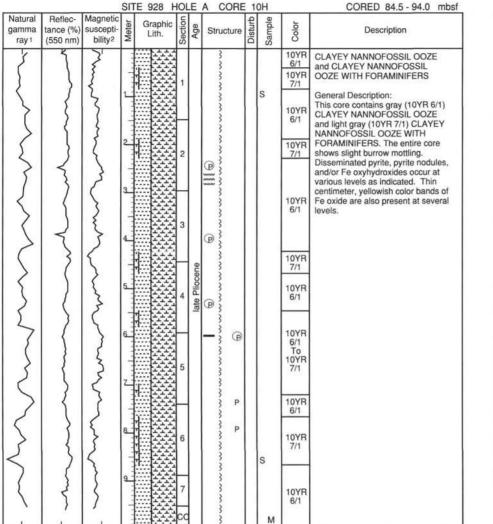


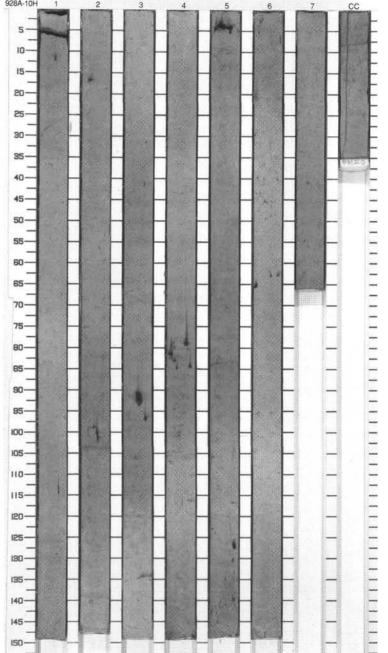
135-140-145-

150

SITE 928

CC





928A-10H 1 2 3

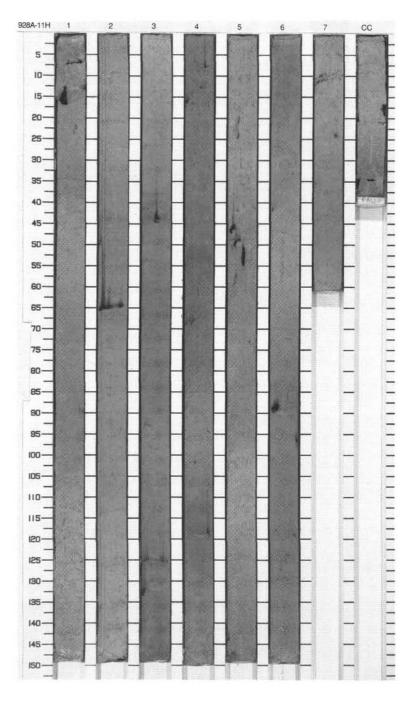
0 20 

SITE 928 HOLE A CORE 11H

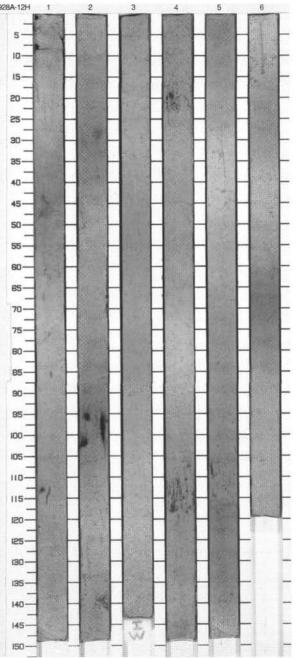
CORED 94.0 - 103.5 mbsf

Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility2		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	munh	mmmm	2		1				s	10YR 6/1 To 10YR 7/1 10YR 6/1 To 10YR 7/1 10YR 7/1	CLAYEY NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL MIXED SEDIMENT General Description: This core contains gray (10YR 6/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT and light gray (10YR 7/1) CLAYEY NANNOFOSSIL OOZE. The entire core shows slight burrow mottling. Disseminated pyrite, pyrite nodules, other Fe sulfides, and Fe oxyhydroxides occur at various levels as indicated. Thin centimeter,
		~~~~~~	8		3	late Pliocene	) a a b a a b a <b>li a</b>		S	10YR 7/1 10YR 6/1 10YR 6/1 To 10YR 7/1	yellowish color bands of Fe oxide are also present at several levels.
	m	}			5 6 7 CC		۹ ۹ ۹ 		м	10YR 6/1 10YR 7/1 10YR 6/1 To 10YR 6/1 To 10YR 7/1	

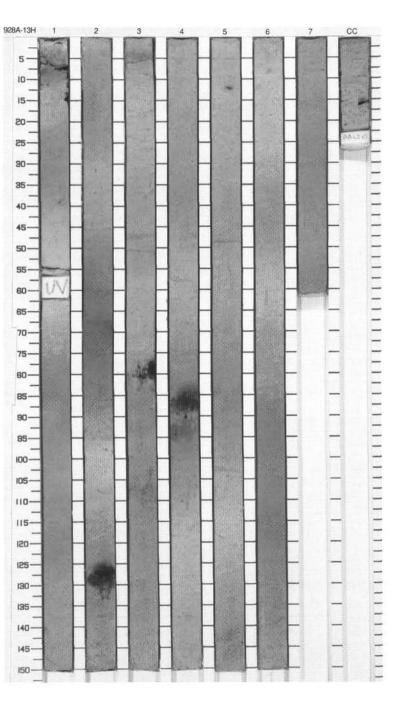
10 20 10 20 0 20 40



			SIT	E 928	HOI	E	A CORE	1	2H		CORED 103.5 - 113.0 mbsf	928A-12H	1
Natural gamma ray 1	Reflec- tance (%) (550 nm)		Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	5-	The state
3	1	5	1		4,4,4,4		P }			10YR 6/1	CLAYEY NANNOFOSSIL MIXED SEDIMENT and CLAYEY NANNOFOSSIL OOZE WITH	10	
(	7	1	1		1		****			10YR 7/1	FORAMINIFERS General Description:	20-	
5		5	1111				-**			10YR 6/1	This core contains gray (10YR 6/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT and light gray (10YR 7/1)	25-	
$\langle \rangle$	}	1	2		2		3			10YR 7/1	CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. All color	30-	
5	5	2								10YR 7/1	contacts are gradational. The entire core shows slight burrow mottling. Disseminated pyrite, pyrite nodules,	35	
2		>	3		-		3			To 10YR 6/1	and Fe oxyhydroxides occur at various levels as indicated. Thin centimeter	40	
5		$ \rangle$					3			10YR	color bands of Fe oxide are also present.	15 - 50 -	
ζ		}	4			Pliocene	3			6/1		- 55	
5		1			1	ate Plio	>		s	10YR 7/1		60-	
3		5	5			la	P 3			To 10YR 6/1		65-	1
5	$\left  \right\rangle$	5					р 3					70-	
>		5	6				3			10YR 6/1		75	1
		5					3					80	
5	}	1	z				3		S	10YR		85	1
2	2	2					P 3		3	7/1 To 10YR		90-	
5		2	8		6		3			6/1		95	
5	}	5					3		м			100	
20 (	20 (	0 20 4	0								J	-	

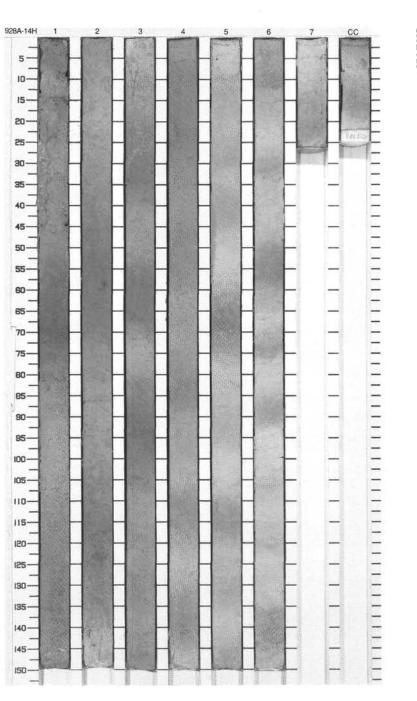


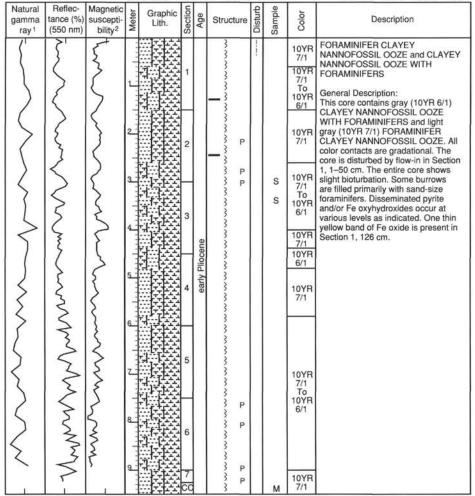
5	ř.
Ξ	ł.
μ.	1
9	
$\tilde{\mathbf{x}}$	6



Natural gamma	Reflec- tance (%)	Magnetic suscepti-		Graphic	Section	Age	Structure	turb	Sample	Color	Description
ray ¹	(550 nm)	bility ²	Me	Lith.	Sec	Ă	Structure	Dis	San	ပိ	Description
5	1 2	3		÷			~~~~	1		7.5YR 6/1	NANNOFOSSIL CLAY and FORAMINIFER CLAYEY
$\leq$		$\langle \rangle$	-				3			10YR 7/1	NANNOFOSSIL OOZE
2		2	1		1		3			7.5YR	General Description:
5		$\langle \rangle$					3			6/1	This core contains gray (7.5YR 6/1) NANNOFOSSIL CLAY and light gray
(	{	3	1				3			10YR 7/1	(10YR 7/1) FORAMINIFER CLAYEY NANNOFOSSIL OOZE. All color
1		2	2				3		s	7.5YR	contacts are gradational. The entire core shows slight burrow mottling.
2		2	1 1		2		3		3	6/1	Disseminated pyrite, pyrite nodules,
7	$\leq$	>					(P) }			7.5YR 6/1	and Fe oxyhydroxides occur at variou levels as indicated. A thin yellow band
5	5	{	3				the second secon			To 10YR	of Fe oxide occurs in Section 5 at 48 cm.
1	{	}	1.1.1				~			7/1	
1	$\prec$	3	4		3		@ }				
)	\$	{		호			P			7.5YR	
(		5	11.1	÷	-	ene	~~~~			6/1	
2		}	5			late Pliocene	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			7.5YR	
7	$\left  \right $	2	111	÷	4	late	P 3		S	6/1 To	
(	3	5					3			10YR 7/1	
2		Ş	6		-		3				
		3	3				_ ~			10YR	
{	{	3			5		P >			7/1	
		$\langle$	4				P }			7.510	
2		2	10	소	-		32			7.5YR 6/1	
>		3	8	말물수			3			To 10YR	
	}	2	1.1.1		6		~~~			7/1	
)		1	1010				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			7.5YR 6/1	
>		{	9		_		3			7.5YR	
2	{	5	111	23 ····	7		~~~~			6/1 To	
	<u></u>	- <b>1</b>	1.1		cc		3		м	10YR 7/1	

SITE 928

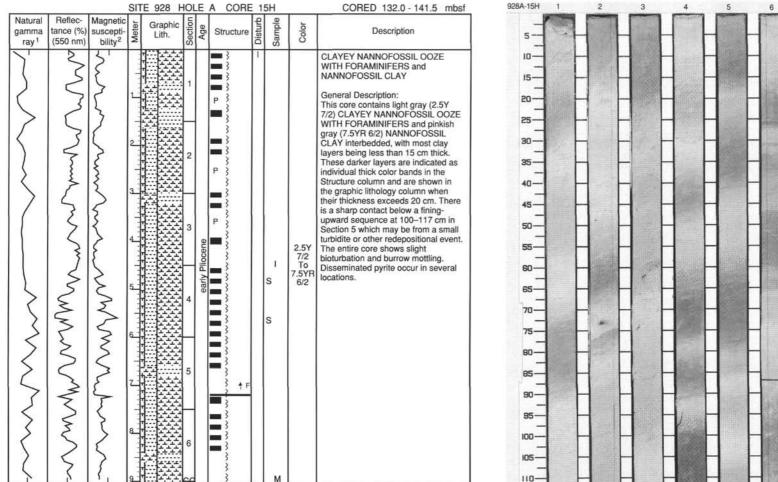




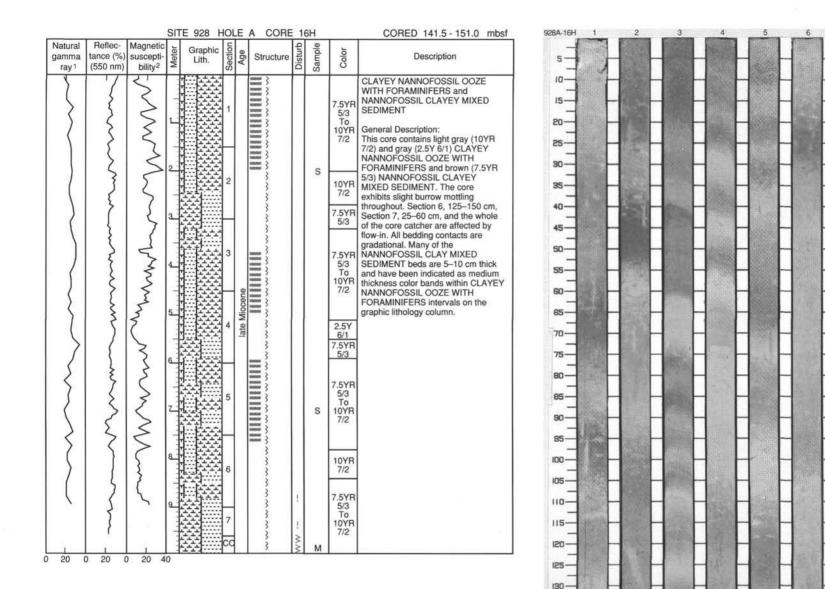
SITE 928 HOLE A CORE 14H

CORED 122.5 - 132.0 mbsf

10 20 20 30 0 20 40



110-115-120-125-130-135-140-145-150-



135-

145-



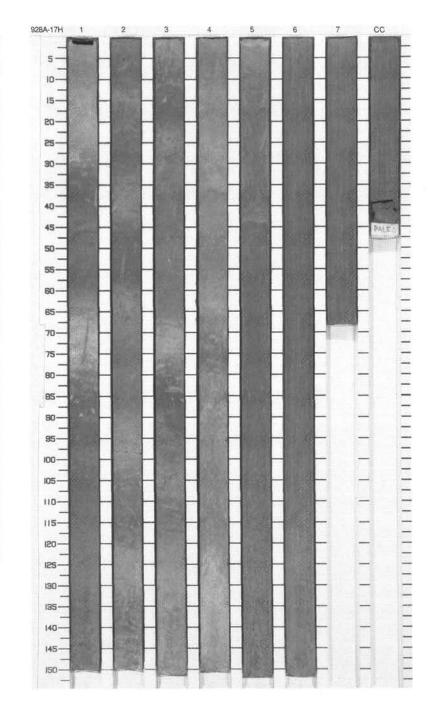
7

CC

=

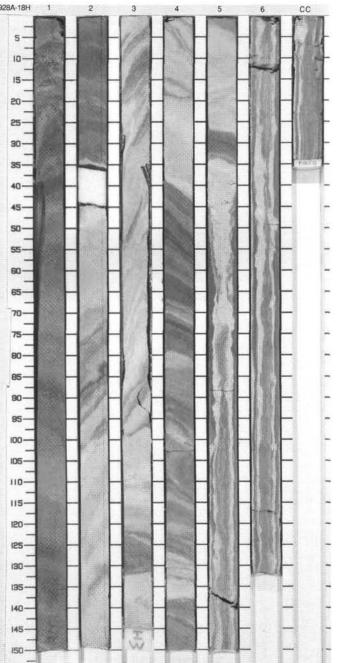
-

S
E
H
5
Ň
00



				E 928 H		E	A CORE				CORED 151.0 - 160.5 mbs
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility2		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		- W	Cardina		1		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			10YR 7/2 To 5YR 5/2	NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE General Description: This core contains light gray (10YR 7/2) CLAYEY NANNOFOSSIL OOZE and brown (5YR 5/2) NANNOFOSSIL
5	1 2	Ş	1	<u> </u>			3			10YR 7/2	CLAY. The whole core shows slight burrow mottling. In Section 2, 35–150
	mm home have	monoment			2 3 4	late Miocene		wwww	\$	10YR 7/2	cm and Section 3, 0–40 cm, are many 5–10 cm beds of NANNOFOSSIL CLAY indicated as medium color bands next to the symbol for CLAYEY NANNOFOSSIL OOZE in the graphic lithology column. Section 4, 80–150 cm, and Section 5, 0–45 cm, the core is heavily disturbed by flow-in. From Section 5, 45 cm, to the base of the core catcher there is heavy disturbance due to very severe flow-ir
		- 25	0 E		5 6 7 CC		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	м	5YR 5/2	

			SIT	E 928 H	IOL	E	A COR	E 1	8H		CORED 160.5 - 170.0 mbsf 9
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility2		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		month when when when we wanted			1 2 3 4 5 6 CC	late Miocene			s s	7.5YR 6/2 5GY 7/1 7.5YR 6/2 7.5YR 6/2 To 5GY 7/1	This core contains pinking gray (7.5YR 6/2) NANNOFOSSIL CLAY and light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL COZE, The core shows slight burrow mottling throughout. Beds of NANNOFOSSIL CLAY are indicated, where less than 15 cm thick, by the medium color band symbol. There is heavy disturbance due to flow-in in Section 1, 0–40 cm, and Section 5, 40 cm, to the end of the core due to flow-in. The core is stretched and beds are inclined due to coring in Section 2, 70 cm, to Section 5, 40 cm.



10

.

870

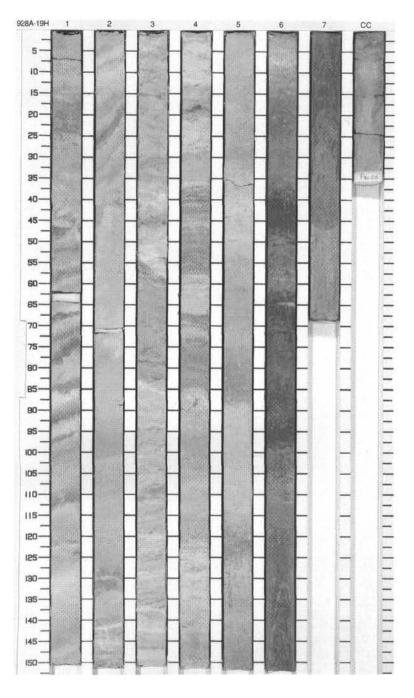
0 20 20 40 0 20 40

SITE 928 HOLE A CORE 19H

CORED 170.0 - 179.5 mbsf

Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
	mm	-	a training and a second		1	de anti-marco a traba a traba a traba.		-		7.5YR 6/3 To 2.5Y 7/2	CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL CLAY General Description: This core contains light brown (7.5YR 6/3) NANNOFOSSIL CLAY and light gray (5Y 7/2 to 2.5Y 7/2) CLAYEY NANNOFOSSIL OOZE. The entire core contains slight
2 2	}	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2		2		~~~~~			2.5Y 7/2	burrow mottling. NANNOFOSSIL CLAY beds between 5 and 15 cm thick are indicated by using the medium color band symbol and centimeter-scale beds are indicated
	mmm		Same Same		3	ate Miocene				7.5YR 6/3 To 2.5Y 7/2	centimeter-scale beds are indicated by using the thin color band symbol. The core is moderately disturbed by stretching during coring in Section 2, 0 cm, to Section 5, 70 cm. There is heavy disturbance due to flow-in from Section 6, 120 cm, to the base of the core.
)	Norry-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1		4	late	3			7.5YR 6/3	
	mun		Lin Carlier		5		••••••••••••••••••••••••••••••••••••••		s	7.5YR	
2~~	S.	~~~~			6			~~	S	6/3 To 2.5Y 7/2	
)	2.2	4	1		7 CC		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	wwwwww	м		

10 20 20 40 0 20 40



				E 928 H			A COR		он		CORED 179.5 - 189.0 mbs
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
	- Martin	man	····		1			8	s s	2.5Y 7/2 To 5YR 5/3	NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE General Description: This core contains reddish brown (5YR 5/3) NANNOFOSSIL CLAY interbedded with light gray (2.5Y 7/2 to 5YR 5/3) CLAYEY NANNOFOSSIL OOZE. Most of the core shows cm-scale color banding
}	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- mon	and the second sec		2				S S	2.5Y 7/2	with some mm-thick beds. NANNOFOSSIL CLAY beds between 10–20 cm thick are indicated by using the medium color band symbol and those between 0 and 10 cm using the thin color band symbol. Several 3- to 5-cm-thick foraminifer- rich turbidite beds occur in Section 1 and are represented by the thin color
	mmmmm				4	middle Miocene				2.5Y 7/2 To 5YR 5/3	band symbol.
Lay	}	hand	Printer Printer		6 7					2.5Y 7/2	

 $\sim$ 

М

33

B

10 20 20 40 0 20 40

5-10--15--20--25-30--35--40--45--50--55--60--65--70--75--80--85--90-. 85-100-105-110--115-120-125-130-135-140-145-

10 18

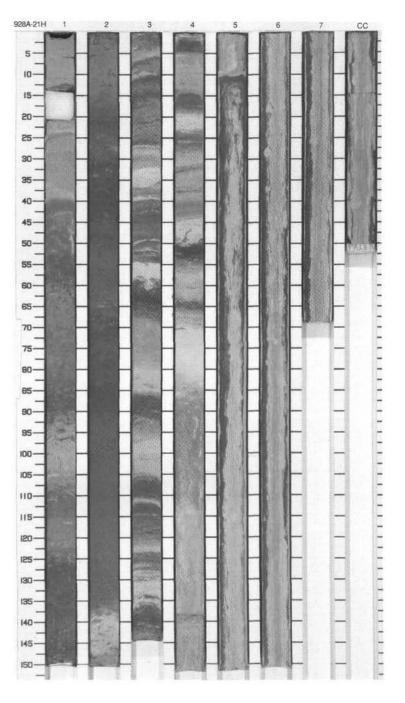
-10

150-

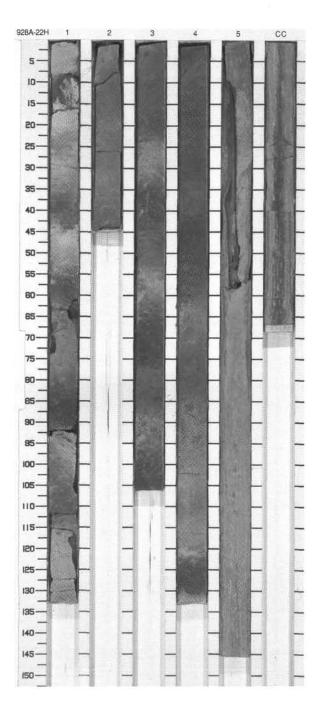
928A-20H 1 2 3 4 5 6 7 CC

SITE 928 HOLE A CORE 21H

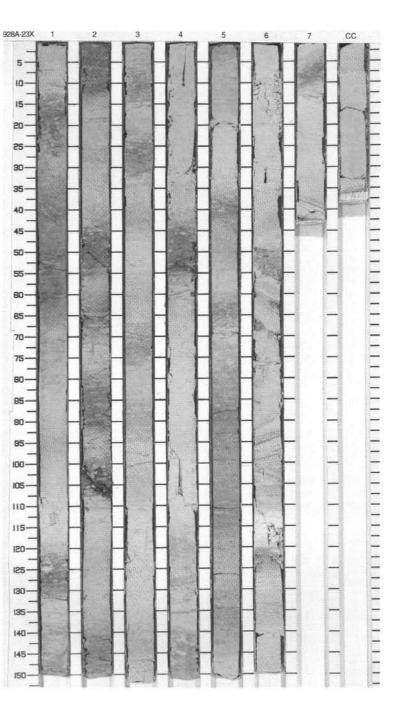
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
~			L'actions		1		~~~~~			5YR 5/3 To 5Y 7/2	CLAY, NANNOFOSSIL CLAY, and CLAYEY NANNOFOSSIL OOZE General Description: This core contains reddish brown (5YR 5/3) and grayish brown (2.5Y
~			and a starting		2		****		s s	5YR 5/3 To 2.5Y 5/2	5/2) CLAY, light gray (5Y 7/2) NANNOFOSSIL CLAY, and white (2.5GY 8/1) CLAYEY NANNOFOSSIL OOZE. Section 2 is primarily composed of interbedded grayish brown and reddish brown CLAY with traces of Fe oxides. In Sections 3 and 4, the CLAYS are
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Muran		a true true to		3	ane			1		interbedded with NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE at a cm scale. CLAY beds between 5 and 15 cm are indicated by using the medium color band symbol. The core below Section 4, 90 cm, shows vertical color bands caused by flow-in during coring.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	MM ~~				4	middle Miocene		wwwww		5YR 5/3	
~					5		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	wwwwwwww		To 5Y 7/2	
$\langle \rangle$			and and and a		6		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
20 (	) 25	50 0 5	10		cc		3	V V	м		



(550 nm)	suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
MM	true	L. L		1			1111111111		5YR 7/2 To 2.5Y 6/2	CLAY WITH NANNOFOSSILS, NANNOFOSSIL CLAY, and CLAYEY NANNOFOSSIL OOZE General Description: This core contains interbedded
5	ł	1111		2		3			5Y 7/2	reddish gray (5YR 5/2) CLAY WITH NANNOFOSSILS, light brownish gray (2.5Y 6/2) NANNOFOSSIL CLAY, and
M	~~~~~	3		3	e Miocene				5YR 7/2 To 2.5Y 6/2	light gray (5Y 7/2) CLAYEY NANNOFOSSIL OOZE. The bedding cycles are from 20 to 40 cm thick. CLAY beds between 5–15 cm thick are indicated using the medium color band symbol. Mottles and trace fossils occur throughout the core. The
Z	}	4		4	middle	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		S S	5Y 7/2	reddish brown CLAY contains trace quantities of Fe oxides. The core below Section 4 shows vertical color bands caused by flow-in during
1	•	1		5		300005 300005	wwwwwwwww		5YR 7/2 To 2.5Y 6/2	coring.
	MMMMMM	MMMMMM	MM M M M M M M M M M M M M M M M M M M		$\mathbb{A}$	Modele Miccele   Modele Miccele				S 5YR 7/2 70 2.5Y 6/2 5 7/2 7/2 6/2 5 7/2 6/2 5 7/2 6/2 6/2 5 7/2 6/2 6/2 6/2 6/2 6/2 5 7/2 6/2 5 7/2 6/2 6/2 6/2 6/2 6/2 6/2 6/2 6/2 6/2 6

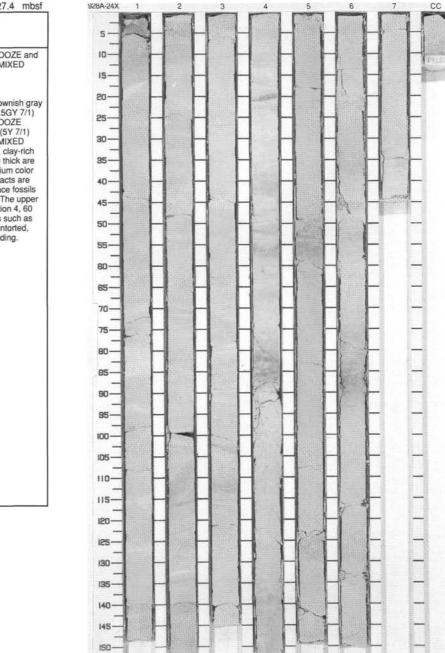


-	
[T]	
9	
N	
$\infty$	



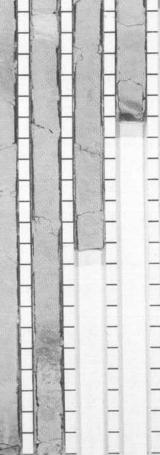
			SIT	E 928 H			A CORE				CORED 208.0 - 217.7 mbsf
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
A A A A A A A A A A A A A A A A A A A					1 2 3 3 4 5 6 7 7 CCC	middle Miocene	New Second Secon		S	5GY 6/1 To 7.5GY 7/1	CLAY and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains interbedded light brownish gray (5GY 6/1) CLAY and light gray (7.5GY 7/1) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. CLAY beds between 5 and 15 cm thick are indicated by using the medium color band symbol. All color contacts are gradational. Mottles and trace fossils occur throughout the core. Sections 5 and 6 exhibit slump features such as wavy and contorted laminae and crosscut beds.

SITE 928



			-	E 928 H	_	E		_			CORED 217.7 - 227.4 mbs
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
	2				1 2 3 4 5 6 7 7 000	middle Miocene			S S M	5GY 6/1 To 7.5GY 7/1 5GY 7/1 5GY 7/1 5GY 7/1 5GY 7/1	CLAYEY NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL MIXED SEDIMENT General Description: This core contains light brownish gra (5GY 6/1) and light gray (7.5GY 7/1) CLAYEY NANNOFOSSIL OOZE interbedded with light gray (5Y 7/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT. The light gray, clay-rich beds between 5 and 15 cm thick are indicated by using the medium color band symbol. All color contacts are gradational. Mottles and trace fossils occur throughout the core. The upper part of the core above Section 4, 60 cm, exhibits slump features such as scoured contacts, wavy, contorted, and cross laminae and bedding.

SITE 928



7

928A-25X 1

5

10-

15-

20-

25-

35-

40-

45-

50-

55-

60

85-70-75-

80-85-90-

95-

100-105-110-

115-

120-125-130-135-140-145-

150

2

3

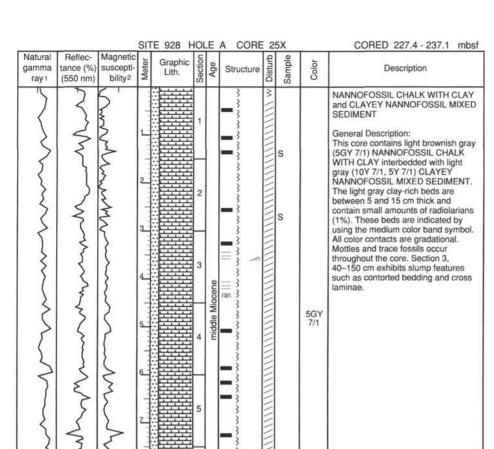
4

5

6

CC

14



М

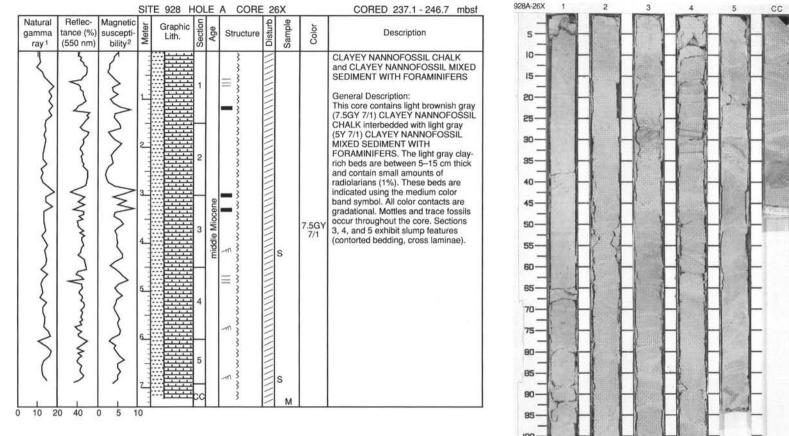
6

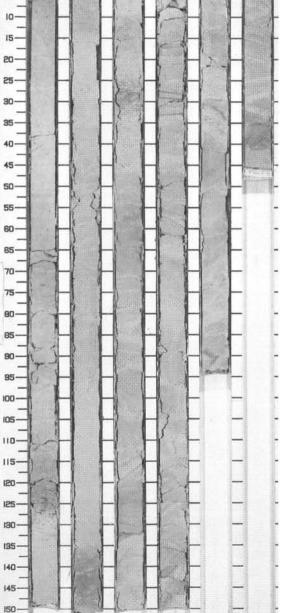
3

0 10 20

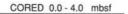
20 40

0 10



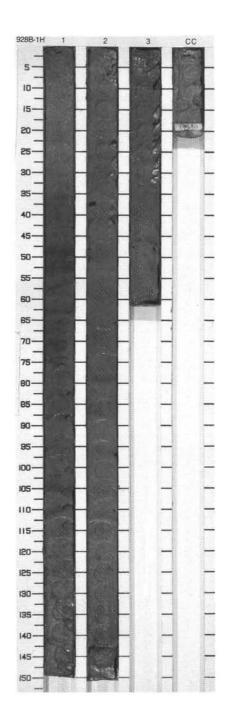


SITE 9	28 HO	LE B	CORE	1H
--------	-------	------	------	----



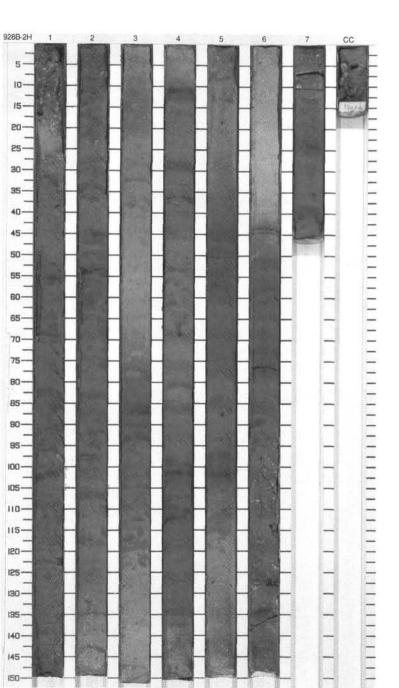
Natural gamma ray 1	Reflec- tance (%) (550 nm)			Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
$\sum$	The second secon	- M	tel i ter		1				s	7.5YR 5/2	CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL CLAYEY MIXED SEDIMENT WITH FE OXIDES
	3- Mrrywhy Mrrywhy	2- www.www.human	C		2 3	late Pleistocene			S	10YR 6/2 10YR 6/1	General Description: This core contains brown (7.5YR 5/2) NANNOFOSSIL CLAYEY MIXED SEDIMENT WITH FE OXIDES to light brownish gray (10YR 6/2) to gray (10YR 6/1) CLAYEY NANNOFOSSIL OOZE. The core is undisturbed and shows slight burrow mottling throughout. In Section 1 at 80 cm, there is a millimeter-scale Fe oxide horizon. In Sections 1 and 2, there are yellow-brown centimeter- scale thin color bands.

20 30 15 20 10 20 30



	1		-	E 928 H	-	E	B CORE	2	_		CORED 4.0 - 13.5 mbsf
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
<			l.		1		***	00	s	7.5YR 6/2	NANNOFOSSIL CLAYEY MIXED SEDIMENT and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS
	m		Turking and		2		۹۹ <b> </b> ************************************			10YR 6/1	General Description: This core contains gray (10YR 6/1) NANNOFOSSIL CLAYEY MIXED SEDIMENT and light gray (10YR 7/1) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. Pinkish gray (7.5YR 6/2) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH FE OXIDES occurs in Section 1, 0–55 cm, and in Section 6, 40–80
2	5	2	J							10YR 7/1	cm. The core is soupy in Section 1, 0–30 cm, and slightly disturbed in that section from 30 to 65 cm. A
	Ę	}	4		3	Je	P 3			10YR 6/1	crushed liner occurred in Section 6 from 85 to 130 cm. The entire core shows slight to moderate bioturbation
	June	{ } }			4	ate Pleistocene	P 3		S	10YR 7/1	and burrow mottling. Disseminated pyrite occurs in bands at various levels as indicated, and thin centimeter color bands of Fe oxide are also present at several levels.
	5	}	11111				P 3			10YR 6/1	
<pre>{</pre>	m	{	<u><u> </u></u>		5		P 3		s	10YR 6/1 To 10YR 7/1	
	3	Ì	14144141				х 2 2			10YR 7/1	
	5		Junit		6		P 3	WM		7.5YR 6/2	
5		}	1111		7		P 3	w w	М	10YR 6/1	

0 20 0 20 0 50 100



畫

5-10-15-20-25--

30-35-

50 | 55 |

60 | 65 | 70 |

75 | 90 | 85 |

90-95-

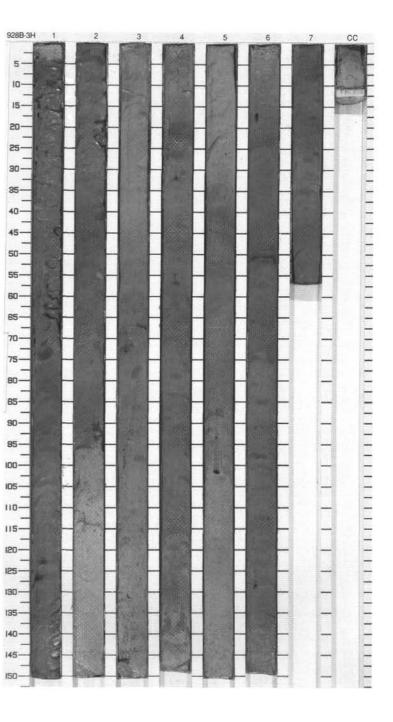
100-105-110-115-

-

120-125-130-135----140-

145-150-

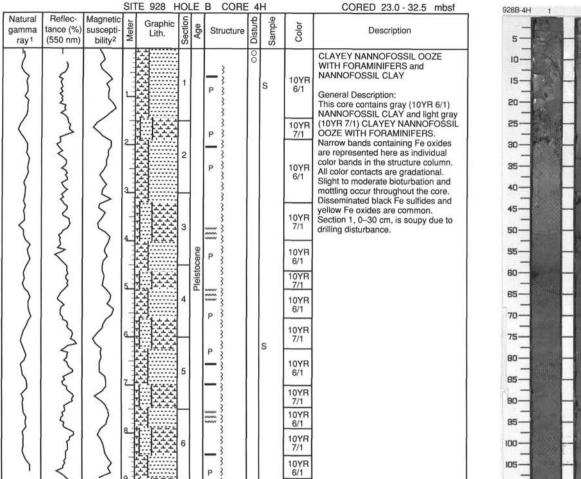
ŝ	2	
į	-	
t	I,	
١	c	É
3	2	
5	~	



Description			Sample	Disturb	Structure	Age	Section	Graphic Lith.	Meter	Magnetic suscepti- bility2	Reflec- tance (%) (550 nm)	Natural gamma ray 1
AYEY NANNOFOSSIL OOZE and AYEY NANNOFOSSIL MIXED DIMENT	/R			0000	Р 33		1				>	>
nor Lithologies: AYEY NANNOFOSSIL OOZE TH IRON OXIDES	R 1				P 33 P 33 P 33 P 33				11	3	3	5
neral Description: is core contains gray (10YR 6/1) AYEY NANNOFOSSIL OOZE and					P 33		2		2	$\left\{ \right\}$		}
wm (7.5YR 5/1) CLAYEY NNOFOSSII MIXED SEDIMENT. layer of light brownish gray IYR 6/2) CLAYEY NANNOFOSSII ZE WITH FE OXIDES occurs in toion 6, 0–50 cm. Narrow bands ntaining Fe oxides are represented to a sindividual color bands in the ucture column. All color contacts gradational. Slight to moderate turbation and mottling occur oughout the core. Disseminated ck pyrite and yellow Fe oxides are nmon. Section 1, 0–70 cm, is upy due to drilling disturbance.		7. 11 7. 11	S	1	│  │	-	3 4 5 6 7			montherm		
	R	1	М		\$\$ }}		7			5	}	1

881

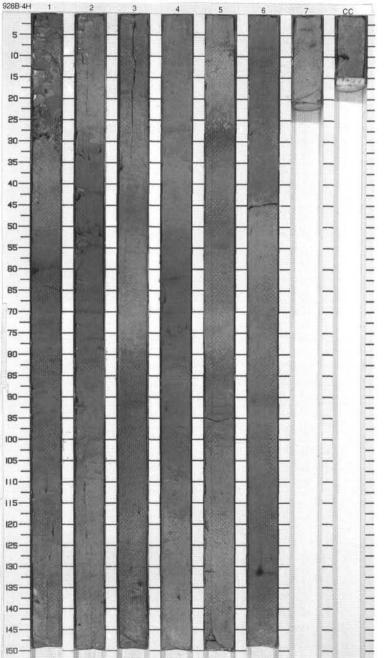
_



10YR

7/1

P

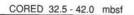


882

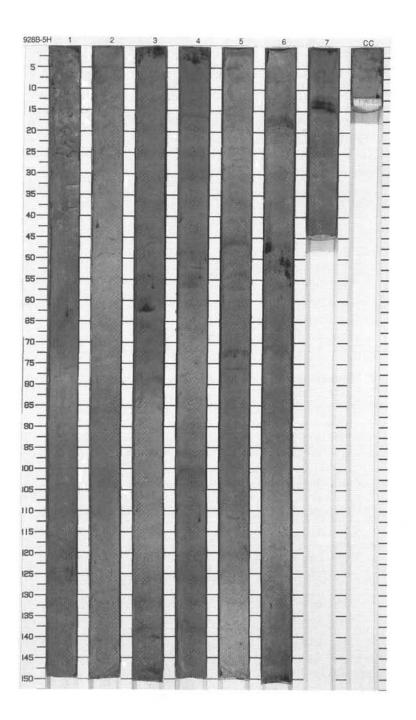
0 20 10 20

0 2.5 5

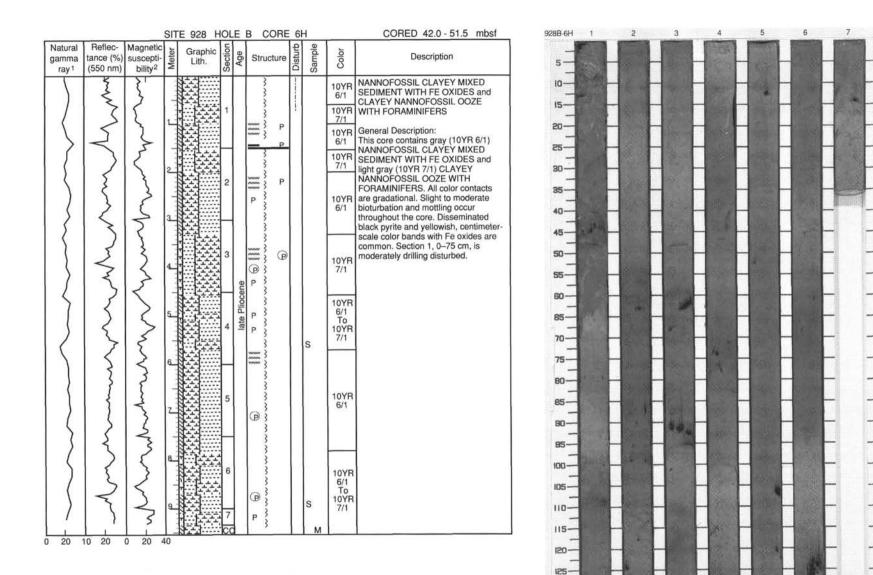
SITE 928 HOLE B CORE 5H



			-	FE 928 H			and the second se				CORED 32.5 - 42.0 mbsf
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		suscepti-	Mete		2	Pleistocene	Structure	O Distur	s sampl	5/1 7.5YR 5/1 10YR 6/1 7.5YR 5/1 10YR 6/1 7.5YR 5/1 10YR 6/1 7.5YR 5/1 10YR 6/1 7.5YR 5/1 10YR 6/1 7.5YR	CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL CLAY WITH FE
20 10			L		6		P		м	10YR 6/1 7.5YR 5/1 10YR 6/1 7.5YR 5/1 10YR 6/1	



SITE 928



CC

Ξ

-

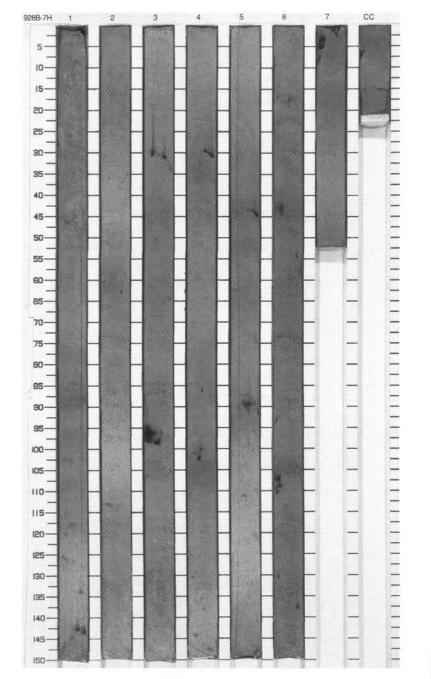
-

11111111111111

THEFT PROPERTY AND ADDRESS OF ADDRES

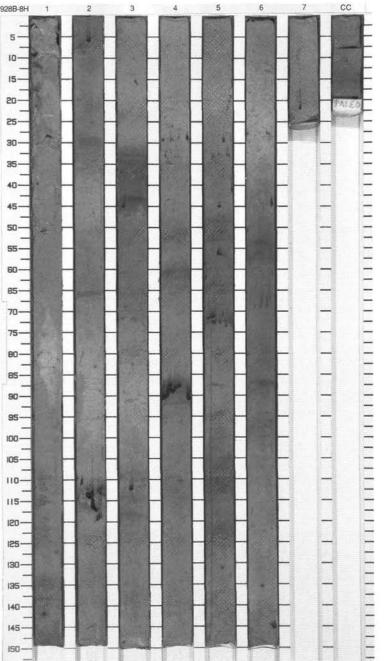
SITE 928 HOLE B CORE 7H

Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
ζ		Ann	Laster		1		P			10YR 6/1	NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains gray (10YR 6/1)
2		Mun	Sec. Sec. 1		2		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			10YR 6/1 To 10YR 7/1	NANNOFOSSIL CLAY and light gray (10YR 7/1) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. All color contacts are gradational. Slight to moderate bioturbation and mottling occur throughout the core. Disseminated black Fe sulfides and
$\left\{ \right\}$		m	3		3	ne	**********************			10YR 6/1	pelsoremated black re-sullides and yellowish, centimeter-scale color bands with Fe oxides are common.
$\leq$		Juny	al a Carlo		4	late Pliocene	~~~~ Ф~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			10YR 6/1 To 10YR 7/1	
$\left\langle \right\rangle$	2	m			5		,			10YR 7/1 10YR 6/1	
$\langle$	$\left\{\right\}$	A	L. L. L.		0		P 3		s	10YR 7/1	
		yhun			6		Р Р Р (9) >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>		S	10YR 6/1 To 10YR 7/1	
20 10	)	۲ 1 20 4	1		cc		3		м		

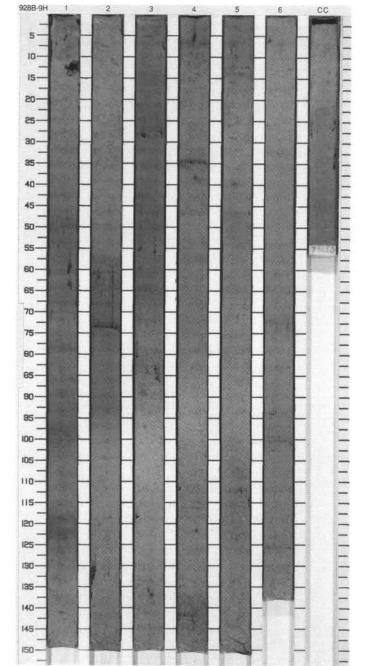


885

Matural	Dofloo	-		E 928 H	-	E	B CORE	-		<u> </u>	CORED 61.0 - 70.5 mbsf	928B-8
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Structure	Ö	Sample	Color	Description	5-
~~~~~~	m				1		аллан ал	0000		10YR 6/1 To 10YR 7/1	NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains gray (10YR 6/1) NANNOFOSSIL CLAY and light gray (10YR 7/1) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. All color contacts are gradiational. Slight to moderate bioturbation and mottling occur throughout the core.	10- 15- 20- 25- 30- 35-
\mathbf{i}	X	$\left \right\rangle$	3				@ }			10YR 6/1	Disseminated black Fe sulfides and yellowish, centimeter-scale color bands with Fe oxides are common.	40-
~	M				3	e Pliocene	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		s	10YR 6/1 To 10YR 7/1	Section 1, 0–50 cm, is soupy due to drilling disturbance.	45- 50- 55- 60-
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	month	N	2		4	late	а			10YR 6/1		85 70 75 80 85
5	$\sum$	{	8		_		3					95
2	Ş	}	other of		6		З Р		s	10YR 6/1 To 10YR		100
/	5	1	9		7		3			7/1		110
20 1	0 20	0 50 1	00	1.1	CC		3	L	М			115



			-	E 928 H	-	-	вс	ORE	_			CORED 70.5 - 80.0 mbsf
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Strue	cture	Disturb	Sample	Color	Description
	2 minum Munum	- Mannen - 25 5			1 2 3 4 5 6 cc			P		s	10YR 7/1 7.5YR 6/1 10YR 7/1 7.5YR 6/1 10YR 7/1 7.5YR 6/1 10YR 7/1 7.5YR 6/1 10YR 7/1 7.5YR 6/1 10YR 7/1 7.5YR 6/1	CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL CLAYEY MIXED SEDIMENT General Description: This core contains light gray (10YR 7/1) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and pinkish gray (7.5YR 6/1) NANNOFOSSIL CLAYEY MIXED SEDIMENT. The entire core shows slight burrow mottling. Section 1, 0–12 cm, is drilling slough. The bedding-scale color variations are very subtle. Disseminated pyrite and pyrite blebs and a few nodules occur at various levels in the core. The disseminated pyrite often occurs in cm-scale bands in association with individual yellow- brown cm-scale color bands indicated separately in the structure column.



887

Natural	Reflec-	Magnetic		928 H Graphic		T				۲.	CORED 80.0 - 89.5 mbsf	928B-10H	a la la			3	
gamma ray 1	tance (%) (550 nm)	suscepti- bility ²	Meter	Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	5-		-	1911	100	
>	1	3	E			(	₽₹	3		10YB	CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and	10	ACR.	-88	-		
(		{	1.1.1		1		₽ }́		s	7/1	NANNOFOSSIL CLAYEY MIXED SEDIMENT	15-	-	- 3	Sur-	14	
5	{	<pre></pre>					• –		3	10YR 6/1	General Description: In this core is light gray (10YR 7/1)	20	mit	-18	-	See.	
$\langle   \rangle$	5	문		Η		3				CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and gray	25-	Paul Barrie	-	-	伯		
2	$\{   \}$	5	2		2	(				7/1	(10YR 6/1) NANNOFOSSIL ČLÁYEY MIXED SEDIMENT. Section 1, 0–12 cm, is drilling slough. The bedding scale color changes are very subtle. The whole core exhibits slight burrow mottling. Pyrite blebs occur throughout the core. Centimeter-scale yellow- brown Fe oxide color bands are indicated individually.	30-	<b>月</b> 四十	- 22	-	一根	
	{	Z	144						S .	10YR		35-		-		200	
	}	1	3	::::::::::::::::::::::::::::::::::::::		ſ				6/1		40	12 M	- 3		-1	
		{								10YR 7/1		45	Mister -	-18	-	-	
	}	\$	AFF		3	1				10YR		50-		-12	-		
	{	>				(	@ }			6/1		55-	in sed				
	}	$\{$					@ }			10YR 7/1		60-	R	-	1		
	۱ {	3				3	1	s		s	10YR 6/1		65-	Contraction of the	-		
	$\left  \right\rangle$	Ş					• • • • •			10YR 7/1	_	70-	1		-		
	3											75-		-			
	{		1							10YR 7/1 To		80	Statilities.				
					5	C				10YR 6/1		85-	Renthered	- 12			
	}		봕									90-	的原则的	- 18	1	30	
5	1	3				(	₽ <b>3</b>			10YR 6/1		95-		- 23			
$\langle  $		<			5 5 6		3	h		10YR 7/1		100-	修理局が			C.C.	
Ş		3				(	@ }					105-	1000		-	10	
5 1			9-17	9		题,		3			10YR 6/1		110-	4	-	1	10
	}	3					~~~			10YR		115-		-	-		
20	0 20 0	) 20 4			UU	1	₽ź		М	7/1		120-		- 46	-		

SITE 928

CC

120-125-130-135-140-145-1504

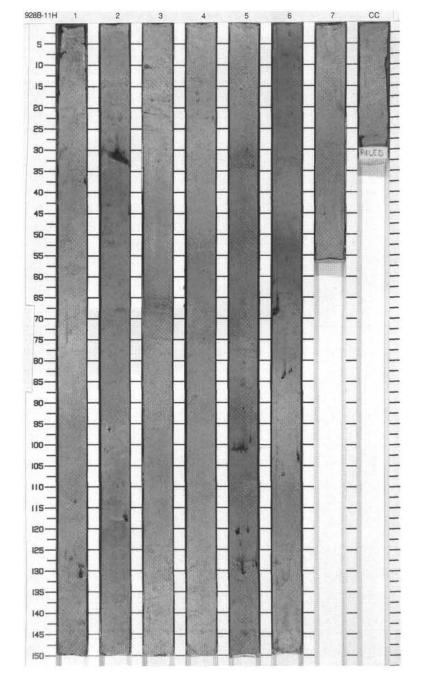
5



SITE 928 HOLE B CORE 11H

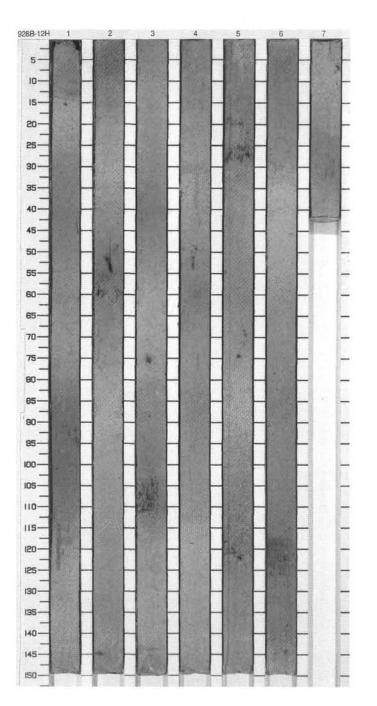
CORED 89.5 - 99.0 mbsf

A1-1-1	Deflee		-			-		UNL			<b></b>	CORED 89.3 - 99.0 mbsi
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Struc	ture	Disturb	Sample	Color	Description
-			P P P P P P P P P P P P P P P P P P P		2 3 3 4	Age	Struc	P P	W Distu	S Samp	90 0 7.5YR 6/1 10YR 6/1 7.5YR 6/1 7.5YR 6/1 10YR 6/1 10YR 6/1	Description NANNOFOSSIL CLAYEY MIXED SEDIMENT and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains gray (10YR 6/1) NANNOFOSSIL CLAYEY MIXED SEDIMENT and pinkish gray (7.5YR 6/1) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. The bedding scale color variations are very subtle throughout. The core shows slight burrow mottling. Pyrite blebs and a little disseminated pyrite is present. In addition, two thin yellow-brown Fe oxide color bands occurring together are indicated.
	m	mulan	8		5 6 7 CC		••••••••••••••••••••••••••••••••••••••				7.5YR 6/1 10YR 6/1 7.5YR 6/1 7.5YR 6/1 To 10YR 6/1	
0 20	0 20 0	50 10	00	Hora Ha	CO			_		М		



688

Natural gamma ray ¹	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure		Sample	Color	Description
5		3			1		@~~~	W		10YR 7/1	CLAYEY NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS
)		3	1				@ }		s	10YR 6/1	General Description: This core contains gray (10YR 6/1)
)		3			_		3			10YR 7/1 10YR	CLAYEY NANNOFOSSIL OOZE and light gray (10YR 7/1) CLAYEY
$\geq$		2	2		2		@ }			7/1 To 10YR 6/1	NANNOFOSSIL OOZE WITH FORAMINIFERS. All the bedding scale color changes are very subtle. The core shows slight burrow
5	{	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3				***			10YR 6/1	mottling. Section 1, 0–13 cm, is drilling slough. Pyrite blebs occur at many levels in the core.
(	$\left  \right\rangle$	{	1111	1 =	3		@ }			10YR 7/1	
$\geq$		>	4				@ }			10YR 7/1	
)	{	>	-				3			To 10YR 6/1	
ſ	5	3	5		4		@ }			10YR 6/1	
L							3		s	10YR 7/1	
}	$\left  \right $	~	-Junt				@ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			10YR 6/1	
$\langle$		5	z		5		3			10YR 7/1	
)		5					@ } }			10YR 6/1	
$\langle \rangle$	}	5	8	4			3			10YR 7/1	
	Į	3	1111		6		) ()			10YR 6/1	
5		5	9		7		@ }		м	10YR 7/1	



068

SITE 928 HOLE B CORE 13H

CORED 108.5 - 118.0 mbsf

Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	1	1	Section	Age	Structure	Disturb	Sample	Color	Description
3	$\left\{\right\}$	2			1			N		10YR 6/1 10YR 7/1	CLAYEY NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS
5	$\left  \right\rangle$	3	1				3			10YR 6/1	General Description: This core contains gray (10YR 6/1) CLAYEY NANNOFOSSIL OOZE and light gray (10YR 7/1) CLAYEY NANNOFOSSIL OOZE WITH
}	Z	5	2		2		@~~~~~		s	10YR 6/1 To 10YR 7/1	FORAMINIFERS. All color transitions are subtle. The entire core is slightly bioturbated. Disseminated pyrite occurs throughout the core. Nodular pyrite is present as indicated.
~		2 mar	4		3		• • •		S	10YR 6/1	
$\sum_{i=1}^{n}$	$\left\langle \right\rangle$	$\langle \rangle$	5		4		••••••••••••••••••••••••••••••••••••••			7/1 10YR 6/1 10YR 7/1	
5	272		6		-		3			10YR 6/1 10YR 7/1	
2			L'unu		5		******			10YR 6/1	
$\leq$	3	5	8		6					10YR 7/1 10YR 6/1	
$\left\langle \right\rangle$	}	{	9		7		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			10YR 7/1	
20 2	20 30		10		cc		ŝ		м	10YR 6/1	

5-10-15-20-25-30-35-40-45-50-55-60-65--70-75-80-85-90-85-100-105-110-115-120-125-130-135-140-145-

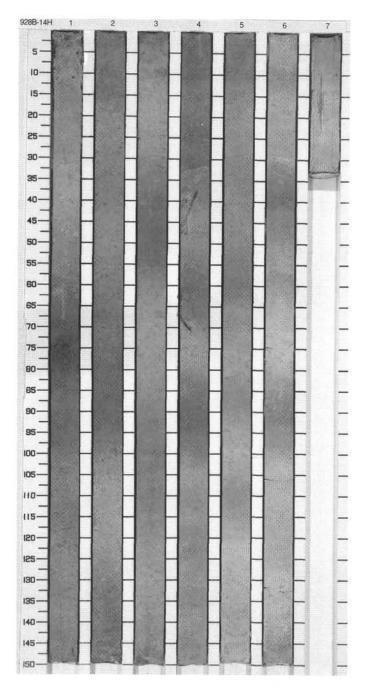
4 5 6 7 CC

928B-13H 1 2 3

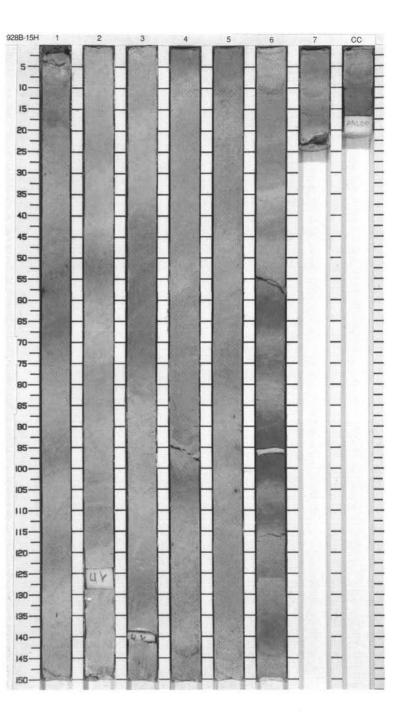
150-

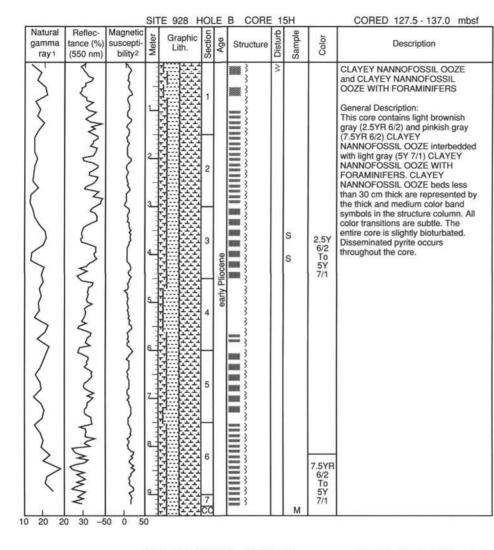


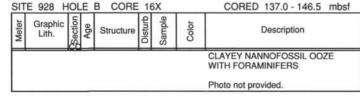
Natural	Reflec-	Magnetic	_	E 928 H		_			-	CORED 118.0 - 127.5 mbsf
gamma ray 1	tance (%) (550 nm)			Graphic Lith.	Section	Age	Structure	Sample	Color	Description
	"www.www.www.				1 2 3 4 5 6 70	early Pliocene		S S	10YR 6/1 To 10YR 7/1	CLAYEY NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains gray (10YR 6/1) CLAYEY NANNOFOSSIL OOZE and light gray (10YR 7/1) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. All color transitions are gradational. The entire core is slightly bioturbated.



SITE 928







SITE 928

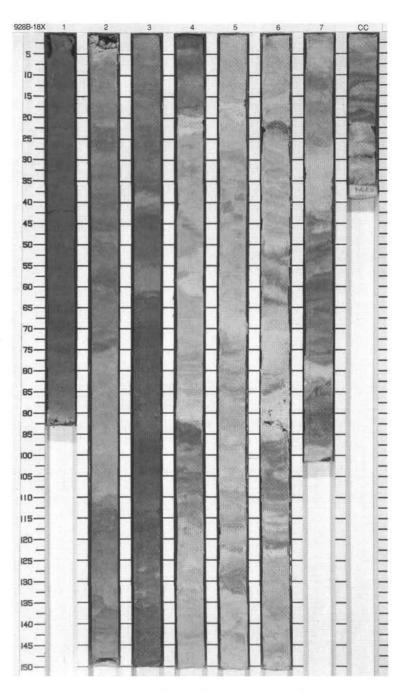
atural Reflec- Magnetic amma tance (%) suscepti ray 1 (550 nm) bility2	Lith.		Color	CORED 146.5 - 156.2 mbsf Description
		- 55 	285	CLAYEY NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains pale brown (10YR 6/3) CLAYEY NANNOFOSSIL OOZE interbedded with light brownish gray (10YR 6/2) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. CLAYEY NANNOFOSSIL OOZE beds less than 30 cm thick are represented by the medium color band symbol in the structure column. All color transitions are subtle. The entire core is slightly bioturbated.



SITE 928 HOLE B CORE 18X

CORED 156.2 - 165.9 mbsf

			1	E 928 H	_	-			_	<u> </u>	ORED 156.2 - 165.9 mbsf
Natural gamma ray1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
}		T	17. 21. 22. 22. 22.		1		***		s	7.5YR 5/2	NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE General Description:
		Land Land	Tinter L		2		-			10YR 6/2	This core contains brown (7.5YR 5/2) and light brownish gray (10YR 6/2) NANNOFOSSIL CLAY and light gray (5GY 7/1) CLAYEY NANNOFOSSIL OOZE. Interbedded NANNOFOSSIL
}	1	N	Sum lin				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			7.5YR 5/2	CLAY intervals in Sections 5, 6, and 7 are represented by thick and medium color band symbols. Several light gray (SGY 7/1) foraminifer-rich turbidites occur in Sections 1, 6, and 7 and are
		222	Suntu		3		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			10YR	indicated by individual thin color band (sharp contacts) in the structure column. The clay beds contain trace quantities of Fe oxides.
ſ	5	The	4			Je	~~~~			5/2 5GY	
	m	SAN A	5		4	ate Miocene	~~~~			7/1 7.5YR 5/2	
<pre>{</pre>			6		5	-	\$ 100000000 \$ 10000000 \$ 10000000 \$ 10000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 10000000 \$ 10000000 \$ 10000000 \$ 10000000 \$ 10000000 \$ 10000000 \$ 10000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 10000000 \$ 10000000 \$ 10000000 \$ 10000000 \$ 100000000 \$ 10000000 \$ 100000000 \$ 10000000 \$ 100000000 \$ 10000000 \$ 10000000 \$ 100000000 \$ 100000000 \$ 10000000 \$ 10000000 \$ 100000000 \$ 10000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 10000000 \$ 10000000 \$ 100000000 \$ 10000000 \$ 100000000 \$ 100000000 \$ 10000000 \$ 100000000 \$ 10000000 \$ 10000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 10000000 \$ 10000000 \$ 100000000 \$ 100000000 \$ 100000000 \$ 1000000000000000000000000000000000000		S		
Ś	when	3	2							5GY 7/1	
5	Mun	3	8		6		<b>—</b>			-	
<	m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	in the second		7					7.5YR 5/2 To	
>	5	Jun .	P. L. L. L.		cc				м	5GY 7/1	



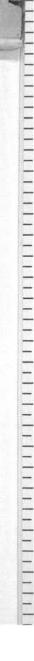
	_		SITE 928	HOLE B C				CORED 165.9 - 175.5 mbsf	928B-19X 1 2 3	4	5	6	7
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Graphic Lith.	Age Age	icture	Sample	Color	Description	5		-		
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		2.5Y 7/2	CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL CLAY General Description: This core contains pinkish gray (7.5YR 6/2) and light gray (2.5Y 7/2) NANNOFOSSIL CLAY and light gray (10YR 7/2) CLAYEY NANNOFOSSIL		The as			
		mm		3	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	S	10YR 7/2 To 7.5YR 6/2	OOZE WITH FORAMINIFERS. It contains mostly small cm-scale bedding structures and color bands. As such the values reported in the color column represent averages of individual beds within that particular interval. Moreover, the interbedded clay/nannofossil ooze symbol is used to represent the two main lithologies. This core shows evidence of sediment disturbance by both coring and slumping. Parts of core in					
>	m www				» —		2.5Y 7/2 To 5GY 8/1	Sections 1, 2, 5, and 6 have been rotated, sheared, and remolded resulting in contorted and cross- bedding. Intervals not disturbed by drilling are heavily mottled due to bioturbation such that it is difficult to distinguish bedding boundaries. Other intervals contain wavy and convolute laminae suggestive of soft sediment deformation by slumping. Interbedded NANNOFOSSIL CLAY intervals are represented by thick					
	mont	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		5 3 6 3	~~~~		2.5Y 7/2 To 10YR 7/2	and medium color band symbols. A light gray (5GY 8/1) foraminifer-rich turbidite in Section 4, 130–140 cm is indicated by an individual thin color band (sharp contacts) in the structure column. The clay beds contain trace quantities of Fe oxides.					
>	20 40	0 20		7	20	м	2.5Y 7/2 To 7.5YR 6/2						

125-130--135--140-145--150--

968

SITE 928

3
H.
10
N.
00

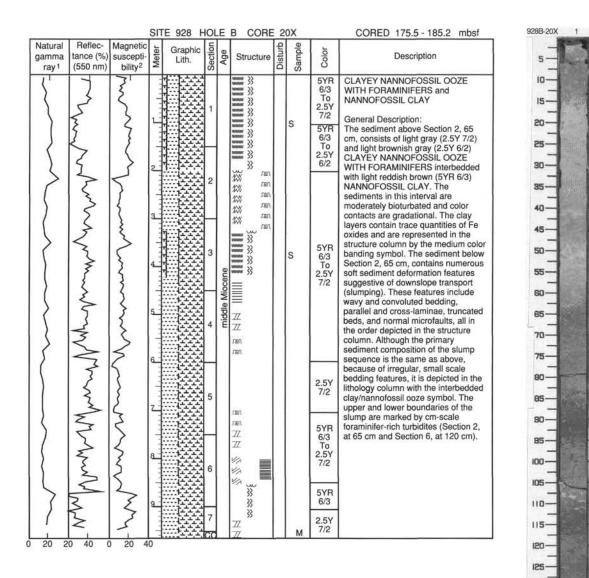


2

130 — 135 — 140 — 145 — 150 — 3

4

5



SITE 928 HOLE B CORE 21X CORED 185.2 - 194.8 mbsf Reflec- Magnetic Natural Section drb Sample Meter Graphic Age Color gamma tance (%) suscepti-Structure Description Lith. (550 nm) bility² ray1 NANNOFOSSIL OOZE WITH 1787 FORAMINIFERS AND CLAY. Ş CLAYEY NANNOFOSSIL OOZE. L NANNOFOSSIL CLAY WITH FE 1 non. OXIDES, and CLAY WITH NANNOFOSSILS 1201 JOST. 5GY General Description: 7/1 TRU N The sediment above Section 3, 60 To 6/3 cm, of this core consists of light greenish gray (5GY 7/1) to pale brown (10YR 6/3) NANNOFOSSIL OOZE * N S WITH CLAY AND FORAMINIFERS 1/1 and contains numerous soft sediment deformation features suggestive of ren. downslope transport (slumping). The 7201 slump interval contains wavy, \equiv convolute and flaser bedding, parallel and cross-laminae, truncated beds, 10YR and normal microfaults in the order 5/2 depicted in the structure column. The To sediment below the slump deposit 10YR contains light brownish gray (2.5Y 6/2) to light gray (5Y 7/1) CLAYEY NANNOFOSSIL OOZE interbedded 6/2 S with grayish brown (5YR 5/2) 10YR NANNOFOSSIL CLAY WITH FE 5/2 OXIDES and gravish brown (10YR To 2.5Y 5/2) CLAY WITH NANNOFOSSILS.

S

S

М

3 4

3

D2 1285

1

5

25

50 0

0 20 40

0 20 6/2

10YR

5/2 To 5Y

7/1

top contacts.

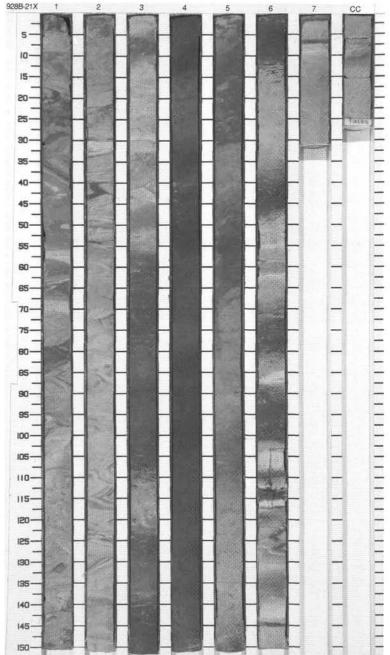
The sediments in this interval are

interval indicative of slump structures occurs in Section 6, 80-140 cm. A

interval and exhibits sharp bottom and

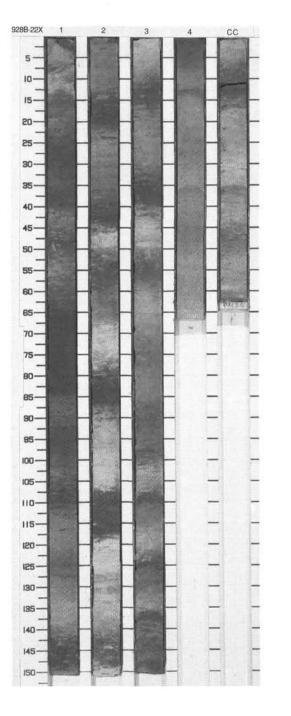
moderately bioturated and color contacts are gradational. Another

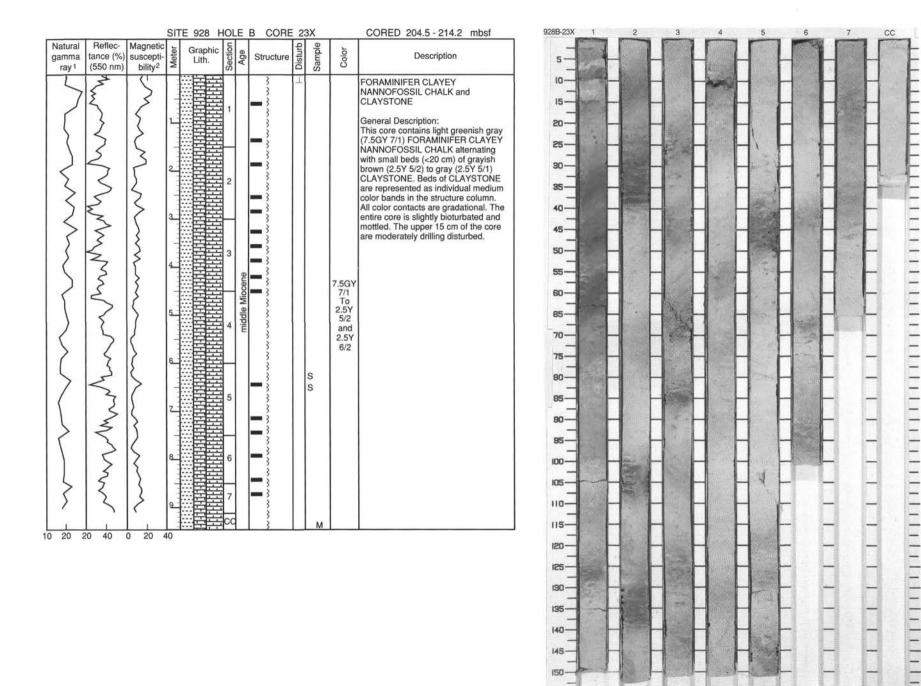
small (5 cm) sand-sized, white turbidite is present on top of this



868

Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility2		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Ammon	m	Participant and		1		**************************************	/	s s s	7.5YR 5/2 To 2.5Y 5/2 7.5YR	CLAYEY NANNOFOSSIL OOZE, CLAYEY NANNOFOSSIL OOZE, WITH FORAMINIFERS, and CLAY WITH FORAMINIFERS AND IRON OXIDES General Description: This core contains three interchanging lithologies: grayish brown (2.5Y 5/2) CLAYEY NANNOFOSSIL OOZE, light
Z	MM	Surv	et free free		2	middle Miocene	P 33			5/2 To 5Y 7/1	gray (5Y 7/1) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS, and brown (7.5YR 5/2) CLAY WITH FORAMINIFERS AND IRON OXIDES. All color contacts are gradational and the different colored layers are only
	mmm	home	the Contraction Contract		3 4	Ē	<b>-</b>			7.5YR 5/2 To 2.5Y 5/2	centimeter scale in thickness. The entire core is mottled and moderately bioturbated. A few thin to medium color bands occur in the core and are indicated in the structure column. Black disseminated Fe sulfide is present in a burrow in Section 2, 139 cm.
12	- a - 1		1	1	М		33		м		

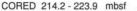


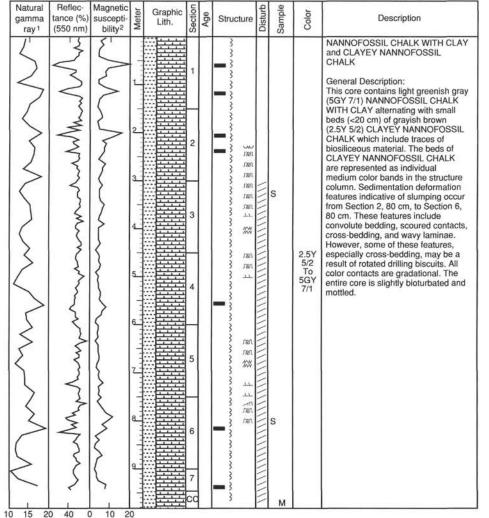


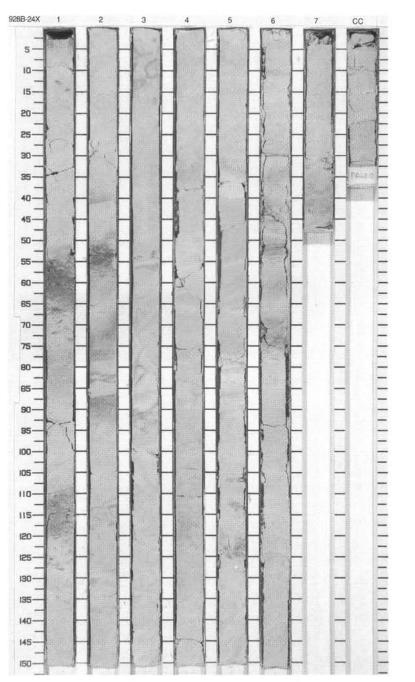
135-140-145-150-

900

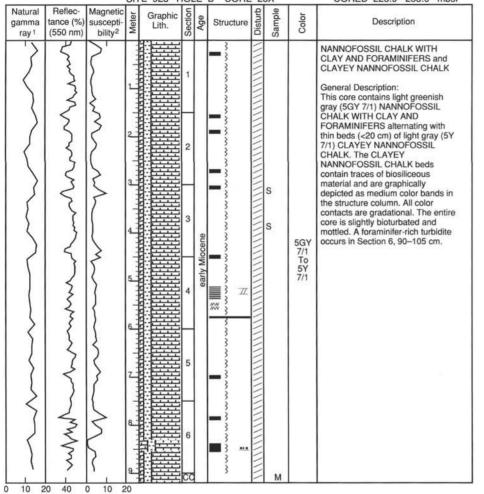
SITE 928 HOLE B CORE 24X

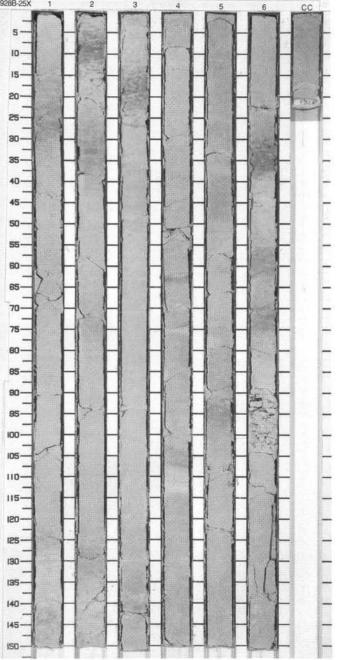






	SIT	E 928 H	IOL	.E	B CORE	2	5X		CORED 223.9 - 233.6 mbsf	928B-25X 1	2	3	
ti-	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	5		1	
			1 2 3 4	early Miocene		11/1/	S	5GY 7/1 To 5Y 7/1	NANNOFOSSIL CHALK WITH CLAY AND FORAMINIFERS and CLAYEY NANNOFOSSIL CHALK General Description: This core contains light greenish gray (567 7/1) NANNOFOSSIL CHALK WITH CLAY AND FORAMINIFERS alternating with thin beds (<20 cm) of light gray (5Y 7/1) CLAYEY NANNOFOSSIL CHALK. The CLAYEY NANNOFOSSIL CHALK beds contain traces of biosiliceous material and are graphically depicted as medium color bands in the structure column. All color contacts are gradational. The entire core is slightly bioturbated and mottled. A foraminifer-rich turbidite occurs in Section 6, 90–105 cm.				





902

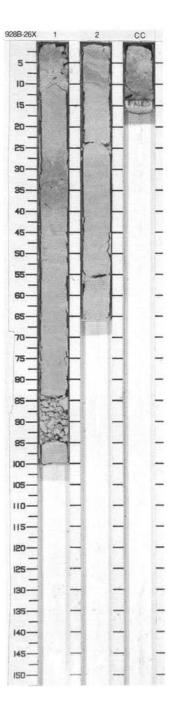
Natural

							B CORE		
Natural gamma ray ¹	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Cample

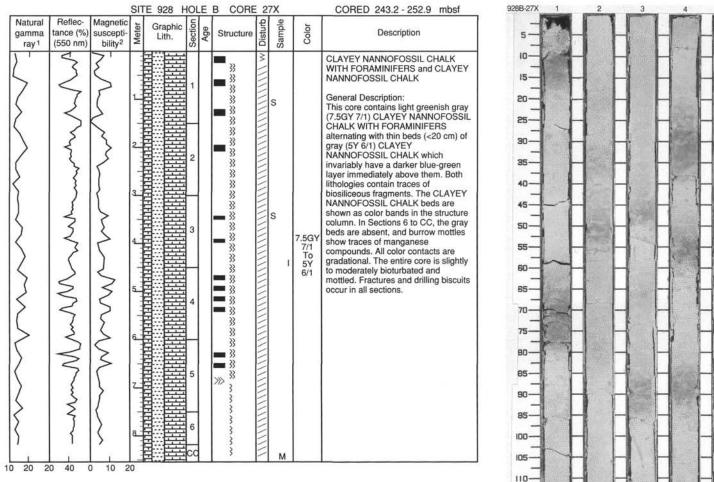
CORED	233.6 -	243.2	mbsf	
-------	---------	-------	------	--

5	3	5		
3	5	12		
) 15 2	20 40		11=	

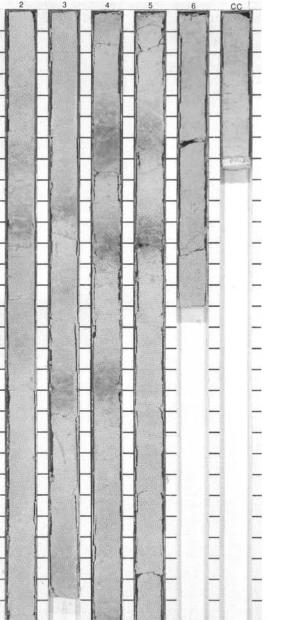
Disturb	Sample	Color	Description
V 111 X 111111	M	7.5GY 7/1 To 5Y 7/1	NANNOFOSSIL CHALK WITH CLAY AND FORAMINIFERS and CLAYEY NANNOFOSSIL CHALK General Description: This core contains light greenish gray (7.5GY 7/1) NANNOFOSSIL CHALK WITH CLAY AND FORAMINIFERS alternating with thin beds (<20 cm) of light gray (5Y 7/1) CLAYEY NANNOFOSSIL CHALK. The CLAYEY NANNOFOSSIL CHALK. The CLAYEY NANNOFOSSIL CHALK. The CLAYEY NANNOFOSSIL CHALK. The CLAYEY NANNOFOSSIL CHALK. The Structure column. All color contacts are gradational. The entire core is slightly bioturbated and mottled. A foraminifer-rich turbidite occurs in Section 1, 80–95 cm.



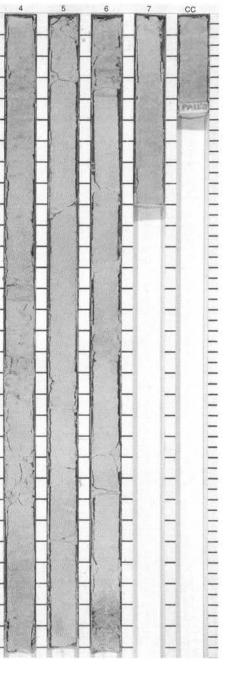
SITE 928



115-120-125-130-135-140-145-150-



SITE 928



2

5.

10-

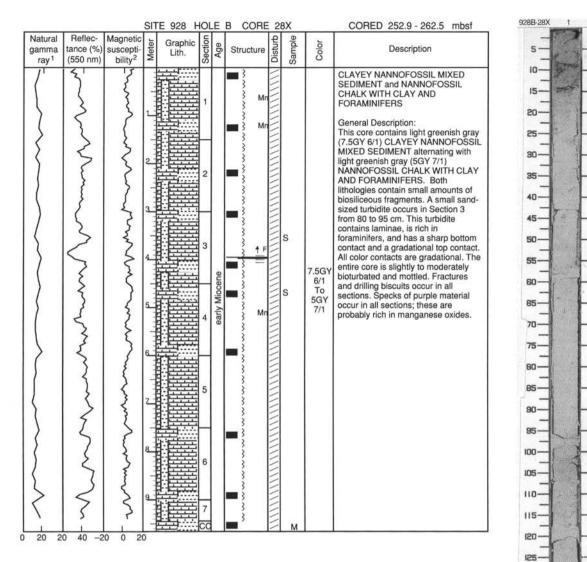
15-

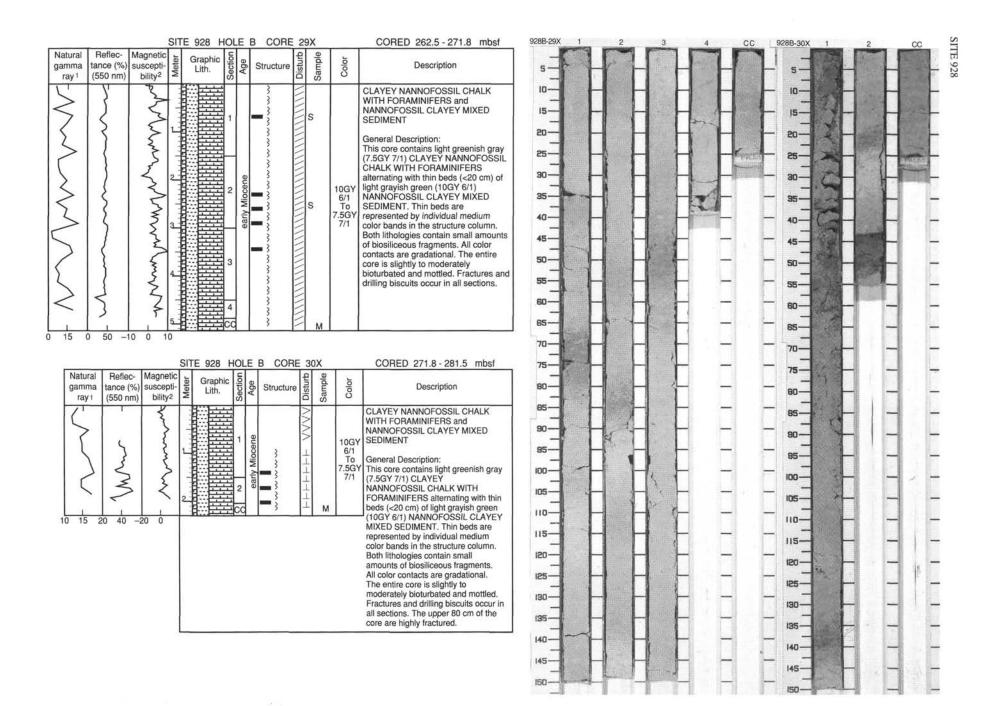
40-

45-

70.

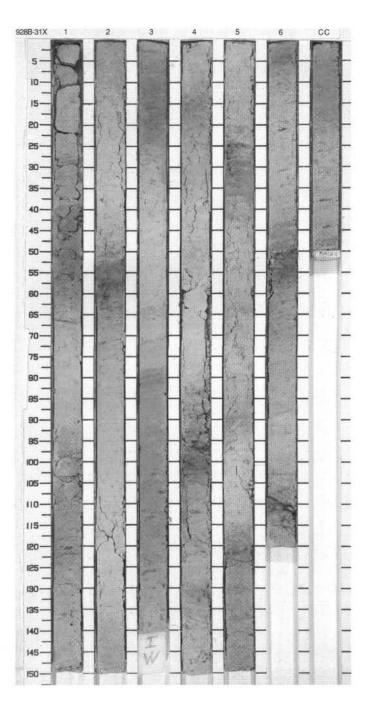
130-135-140-145-150

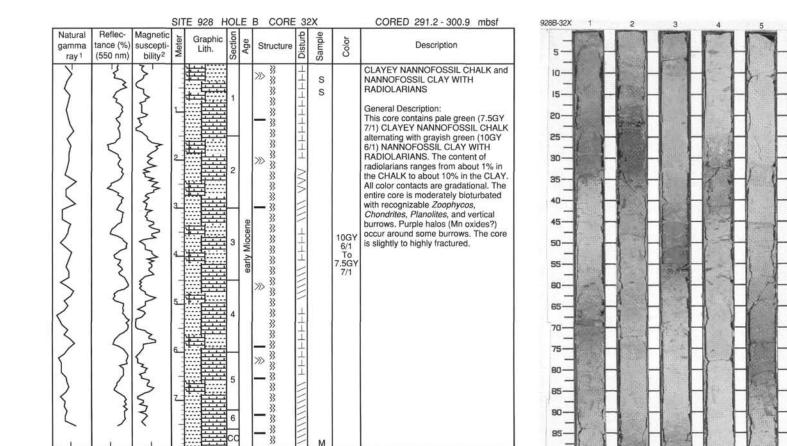




SITE 928 HOLE B CORE 31X

Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
-		m	2		т		****	HHHHHH WW	S	10GY 6/1 To 7.5GY 7/1	NANNOFOSSIL CHALK WITH CLAY AND FORAMINIFERS and NANNOFOSSIL CLAY General Description: This core contains pale green (7.5GY 7/1) NANNOFOSSIL CHALK WITH CLAY AND FORAMINIFERS alternating with grayish green (10GY 6/1) NANNOFOSSIL CLAY. The CLAY
	}	Ş	and and		2		***	4444	5	7.5GY 7/1	contains up to 8% biosiliceous materia whereas only traces of radiolarians are present in the CHALK. All color contacts are gradational. The entire
)	5	}	μ., F.				****			10GY 6/1 7.5GY	core is moderately bioturbated with purple halos around some burrows. Discrete <i>Zoophycos</i> traces occur at three places. The majority of the core
>	5	5	4		3	ocene	-**	-1////		7/1 10GY 6/1	is biscuited due to drilling disturbance.
Ś	- Control	$\langle \rangle$	1 <b>C</b> 1.		4	early Miocene	****	//// ++++-	1	10GY 6/1 To 7.5GY 7/1	
5	5	~	6 111				***			7.5GY 7/1	
	Munu	www.www			5 6 CC		×≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈≈	44444//////////////////////////////////	м	10GY 6/1 To 7.5GY 7/1	



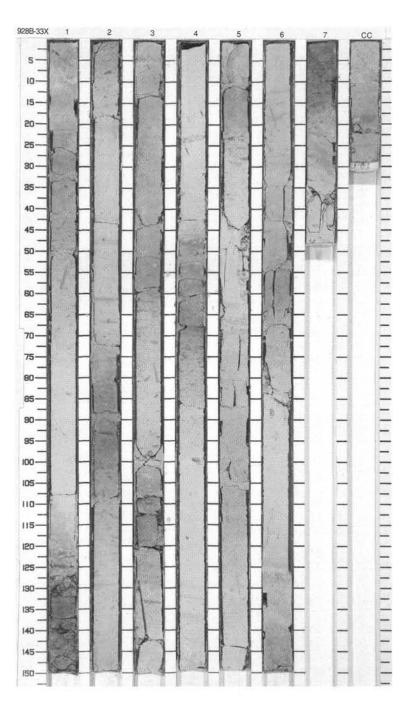


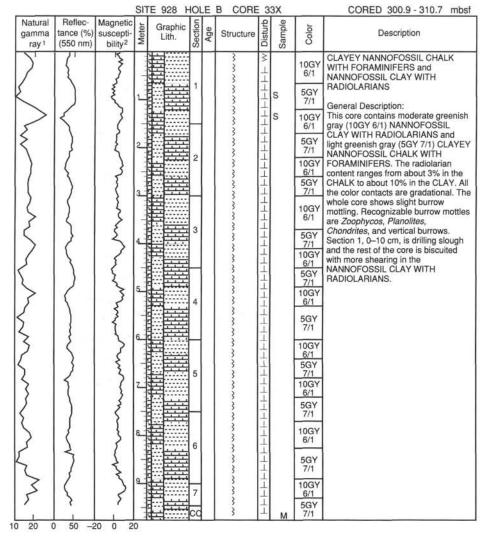
100-105-110-115-125-125-130-130-140-140-145-

806

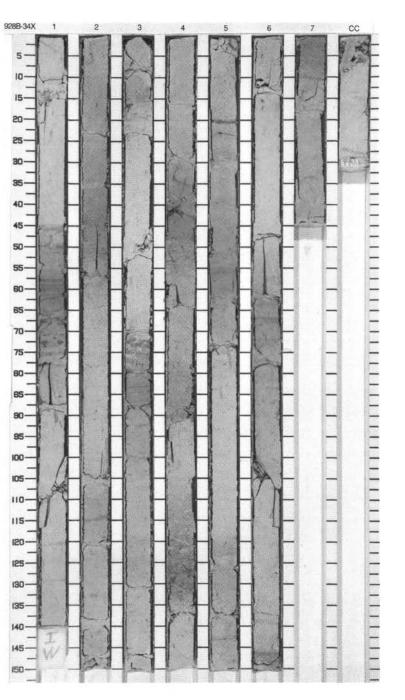
10 20 0 25 0 10 20

5	/	3	
E		1	
۲	÷	1	
C	1	1	
Z	Ę	Ş	
2	2	2	
Ģ	×	2	





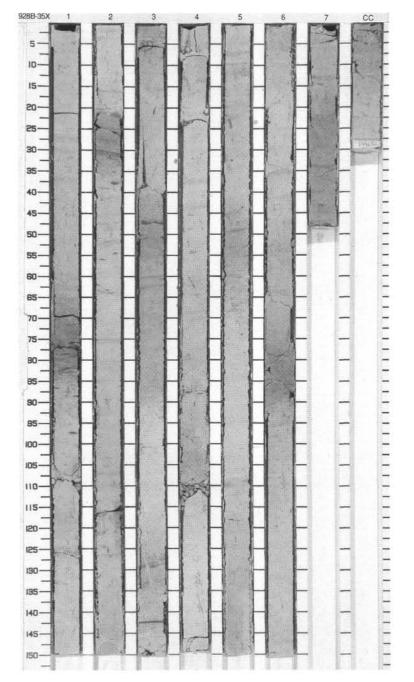
SITE 928

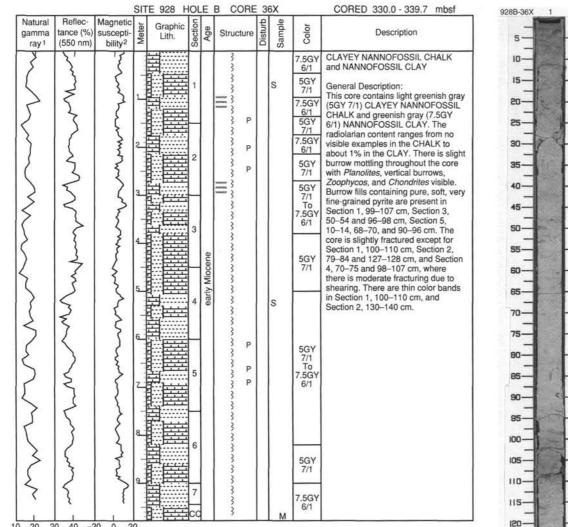


Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		and the second and the second se			1 2 3 4 5 6 7 7 CCC	early Miccene			S I S	5GY 7/1 5GY 6/1 5GY 6/1 5GY 7/1 5GY 6/1 5GY 7/1 5GY 7/1 5GY 6/1 5GY 7/1 5GY 7/1 5GY 7/1 5GY 7/1	NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE General Description: This core contains light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL OOZE and greenish gray (5GY 6/1) NANNOFOSSIL CLAY. The radiolarian content ranges from about 2% in the CHALK to about 7% in the CLAY. The whole core is biscuited with minor drilling paste. There is slight burrow mottling at all levels with <i>Planolites</i> and <i>Zoophycos</i> identifiable. In Section 1, 54–57 cm and Section 3, 84–90 cm thin cm- scale color bands are present.

SITE 928 HOLE B CORE 35X

Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		month was more and marked and -			1 2 3 4 5 6 7 CC	early Miocene	P P		s s	5GY 6/1 10 5GY 7/1 5GY 6/1 5GY 6/1 5GY 7/1 5GY 6/1 5GY 7/1	CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL CLAY WITH RADIOLARIANS General Description: This core contains greenish gray (5GY 6/1) NANNOFOSSIL CLAY WITH RADIOLARIANS and light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK. The radiolarian content ranges from about 3% in the CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS to about 10% in the NANNOFOSSIL CLAY WITH RADIOLARIANS. The core is slightly fractured, except in Section 1, 70–80 cm, Section 2, 40–42 cm, Section 3, 107–113 cm, and Section 6, 82–89 cm, where there is moderate fracturing due to shearing. The core is slightly burrow mottled throughout with <i>Planolites</i> . 200ph/cos, vertical burrows, and <i>Chondrites</i> . In Section 2, 45–65 cm, and Section 4, 30–45 cm, there are burrow fils composed entirely of very fine-grained pyrite. In Sections 2 and 4 the burrow mottles are surrounded by purple halos of (?) manganese oxide. There are thin color bands in Section 3, 61–63 cm, Section 3, 142 cm, and Section 5, 12–22 cm.





10 20 20 40 -20 0 20 SITE 928

6

2

125-130-135-140-145-1503

4

5

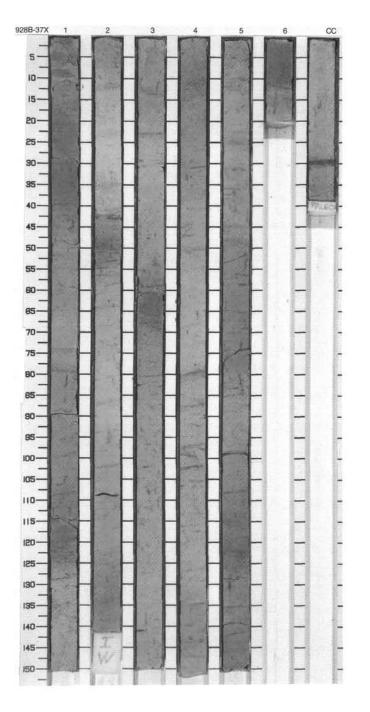
7

CC

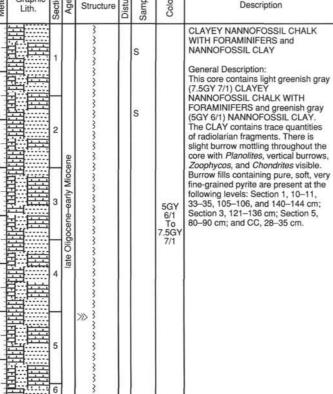
SITE 928 HOLE B CORE 37X

CORED 339.7 - 349.3 mbsf

Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
>	5	V	1.1.1				333	>	s	7.5GY 6/1	CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and NANNOFOSSIL CLAY
$\left\{ \right\}$	www	m	2 million Summer		2		P P P P		S	7.5GY 6/1 To 7.5GY 7/1	General Description: This core contains light greenish gray (7.5GY 7/1) CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and greenish gray (7.5GY 6/1) NANNOFOSSIL CLAY. The CLAY contains trace quantities of radiolarian fragments. There is
2	$\left \left\langle \right\rangle \right $	~~~~	3			y Miocene	P 3		T	7.5GY 6/1	slight burrow mottling throughout the core with <i>Planolites</i> , vertical burrows, <i>Zoophycos</i> and <i>Chondrites</i> visible. Burrow fills containing pure, soft, very fine-grained pyrite are present as
m	Same A	man Munn	2		3	late Oligocene-early	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			7.5GY 6/1 To 7.5GY 7/1	depicted in the structure column.
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	hand	6		5		****			7.5GY 6/1	
Ś	Ş	MM.	8		6 CC	-	э э э		м	7.5GY 6/1 To 7.5GY 7/1	

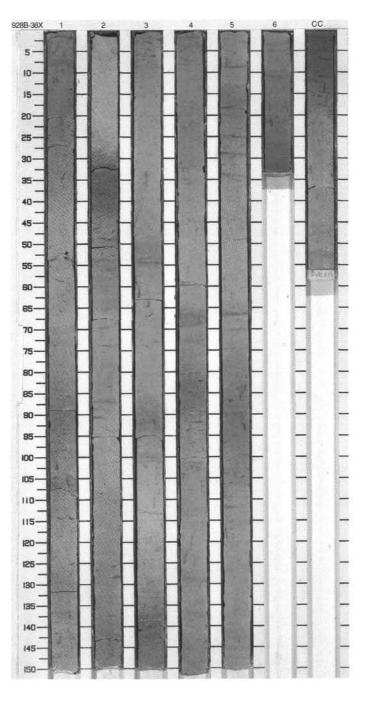


					IOL	E	B CORE	38	3X		
Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	
7	5	3	100	H			3				C



М

CORED 349.3 - 358.9 mbsf



-

Wwwwwwwww

-

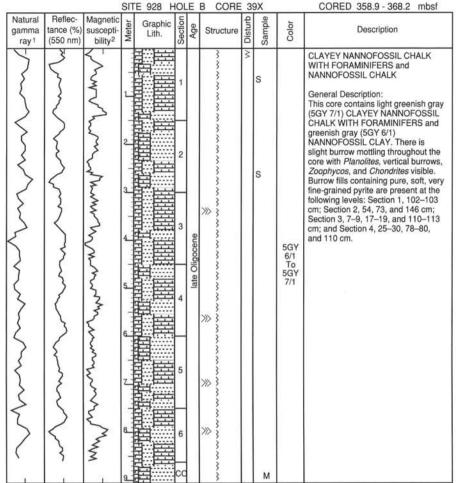
A-V-V

Www

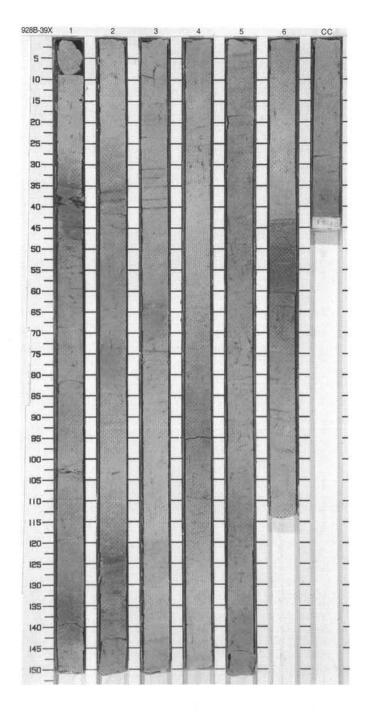
₹

10 20

10 20 20 40 0

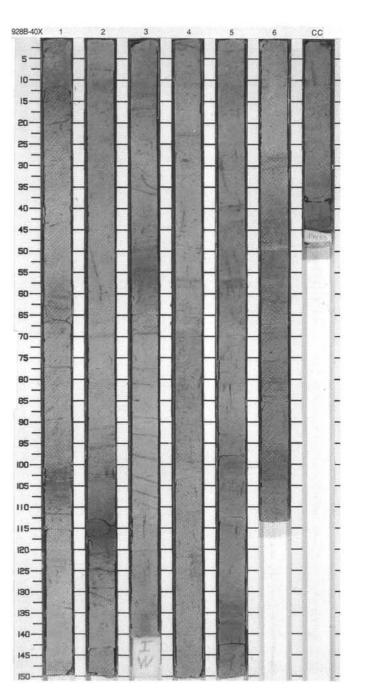


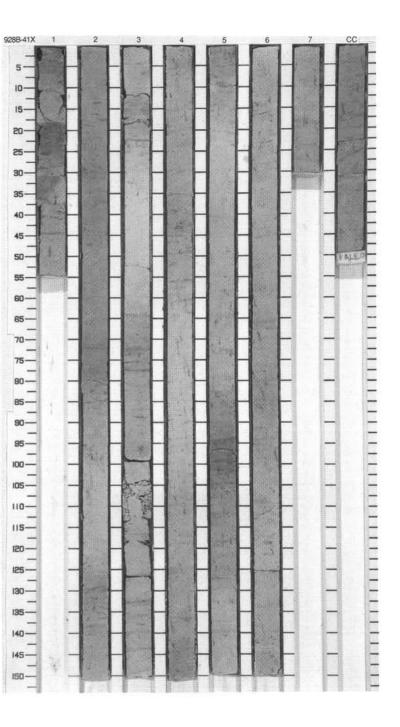
10 20 20 40 0 10 20



SITE 928

Natural gamma ray 1	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		how many how have more than the second secon			1 1 2 2 3 3 3 4 4 6 6 CCC	late Oligocene	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	M	S S I	5GY 6/1 5GY 7/1	CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and NANNOFOSSIL CLAY General Description: This core contains light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and greenish gray (5GY 6/1) NANNOFOSSIL CLAY. There is slight to moderate burrow mothling throughout the core with <i>Planolites,</i> <i>Zoophycos, Teichnichus</i> (Section 3, 135–140 cm), <i>Chondrites,</i> and vertical burrows visible. Burrow fills containing pure, soft, very fine-grained pyrite are present at the following levels: Section 4, 49–51 and 104–120 cm; Section 5, 80, 115, and 51–59 cm.





Natural gamma	Reflec- tance (%)	Magnetic suscepti-	5		Section	Age h	Structure	Disturb	Sample	Color	Description
ray ¹	(550 nm)	bility ²	ž	Lith.	Sec	A	oudolaro	Dis	Sar	ŏ	
Š	~~~~	\ \	En For		1		~~~~	111		10Y 6/1	CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and NANNOFOSSIL CLAY
$\left \right\rangle$		ξ	1		2		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		s s		General Description: This core contains light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and greenish gray (5GY 6/1) and gray (10Y 6/1) NANNOFOSSIL CLAY.
~~~~	my m	5	3		3		\$ } }				There is slight to moderate burrow mottling throughout the core with <i>Planolites, Zoophycos, Teichnichus</i> (Section 3, 135–140 cm), <i>Chondrites</i> , and vertical burrows visible. A 30-cm-
Ş		$\left\{ \right.$	4			Oligocene	+ F				thick turbidite occurs in Section 3, 100–130 cm. Burrow fills containing pure, soft, very fine-grained pyrite are present at the following levels: Section 2, 97–100 and 122–125 cm, Section 4, 12–24, 97–99, and
$\sim$	~~~~	$\left\{ \right.$	5		4	late O	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			5GY 6/1 To 5GY 7/1	119–122 cm; Section 6, 57–70, 84–87, 110–130 cm, Section 7, 24–25 cm.
{		$\left( \right)$	6		5		~~~~~				
5	~~~~	{	Z		6		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
$\left \right\rangle$	$\sum$	$\langle$	8		7		······································				
10 20 2	20 40	0 10 2	0		cc		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		м		

SITE 928 HOLE B CORE 41X

CORED 377.8 - 387.5 mbsf

Man State	Reflec-		E 928 H	-		00112	_	-		CORED 387.5 - 396.8 mbsf	928B-42X 1	2	3	-
		Magnetic suscepti- bility ²	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	5		-	
	mon month			3	late Oligocene	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		S S	5G 7/1 To 10Y 6/1	CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and NANNOFOSSIL CLAY General Description: This core contains light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and gray (10Y 6/1) NANNOFOSSIL CLAY. There is slight to moderate burrow mottling throughout the core with <i>Planolites, Zoophycos,</i> <i>Teichnichus</i> (Section 3, 135–140 cm), <i>Chondrites,</i> and vertical burrows visible. Burrow fills containing pure, soft, very fine-grained pyrite are present throughout the core.				

115-

120-

125

130-

135-

140-

145

10 20 20 40 -20 0 20

5 6 CC

-

1

-

-

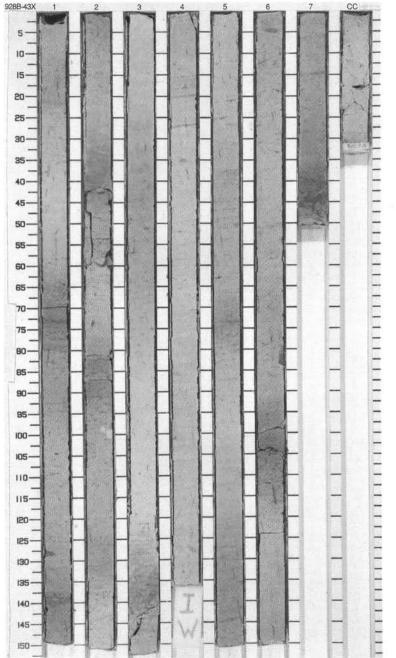
-

-

SITE 928 HOLE B CORE 43X

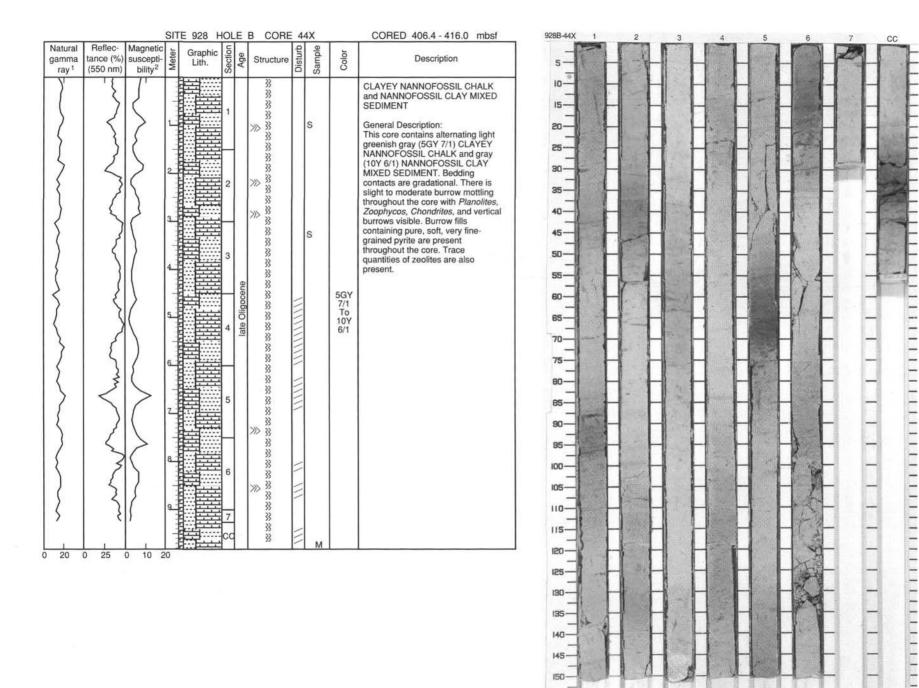
CORED 396.8 - 406.4 mbsf

			91	FE 928 ⊦	101	E.	B CORE	: 4	38		CORED 396.8 - 406.4 mbsf
Natural gamma ray ¹	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
	Wwwwwwwwwwww		2 3 4 4 5 7 7 20		1 2 3 3 4 5 6 6 7 7	late Oligocene	***************************************		I	7.5GY 7/1 To 10Y 6/1	CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and NANNOFOSSIL CLAY General Description: This core contains alternating light greenish gray (7.507 /1/) CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and gray (10Y 6/1) NANNOFOSSIL CLAY. Bedding contacts are gradational. There is slight to moderate burrow mottling throughout the core with <i>Planolites</i> , <i>Zoophycos, Chondrites</i> , and vertical burrows visible. Burrow fills containing pure, soft, very line- grained pyrite are present throughout the core.





SITE 928



135-140-145-150SITE 928

-

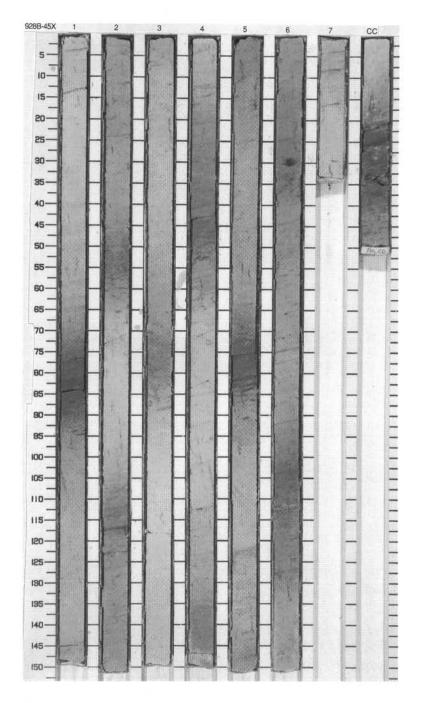
-

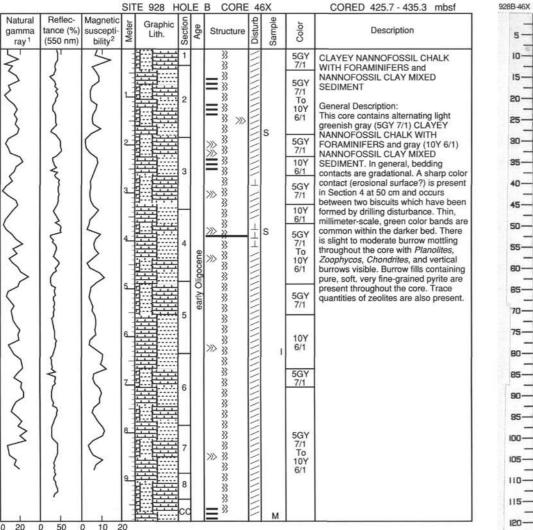
-

SITE 928 HOLE B CORE 45X

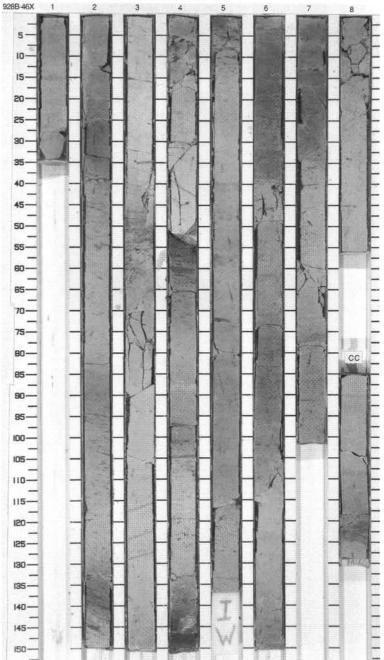
CORED 416.0 - 425.7 mbsf

		311	E 320 1	IUL	_	B CONL	- **			CORED 410.0 - 425.7 HIDSI
Natural gamma ray ¹	Reflec- tance (%) (550 nm)		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
	- month - 4			1 2 3 4 5 6 7 CC	late Oligocene		11	S	7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 10Y 6/1 7.5GY 8/1 7.5GY 8/1 10Y 6/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY 8/1 7.5GY	CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and NANNOFOSSIL CLAYSTONE General Description: This core contains alternating light greenish gray (7.5GY 8/1) CLAYEY NANNOFOSSIL CHALK WITH FORAMINIFERS and gray (10Y 6/1) NANNOFOSSIL CLAYSTONE. Bedding contacts are gradational. Thin, millimeter-scale, green color bands are common within the darker bed. There is slight to moderate burrow mottling throughout the core with <i>Planolites</i> , <i>Zoophycos, Chondrites</i> , and vertical burrows visible. Burrow fills containing pure, soft, very fine- grained pyrite are present throughout the core. Trace quantities of zeolites are also present.





10 20 0 50 0



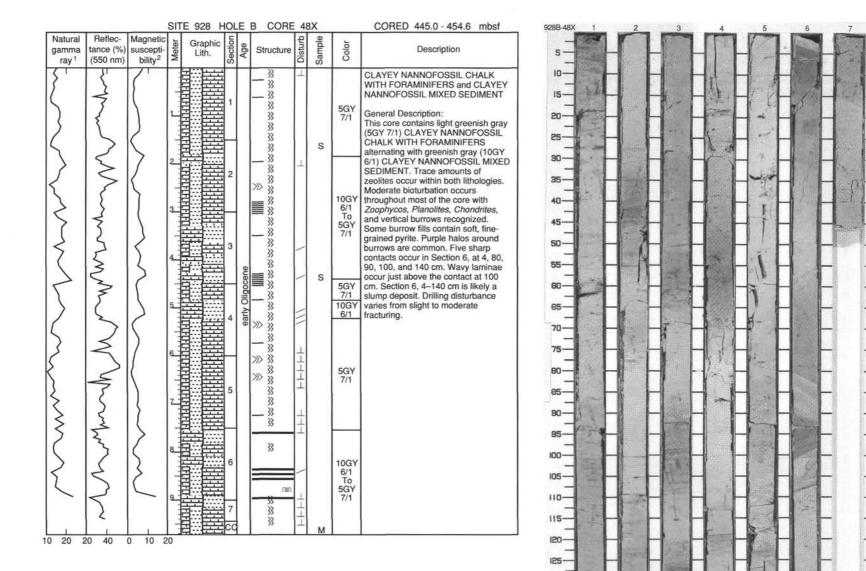
922

SITE 928 HOLE B CORE 47X

CORED 435.3 - 445.0 mbsf

Natural gamma ray ¹	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
				1 2 3 4 5 CC	early Oligocene			S S	10GY 5/1 To 5GY 8/1	CLAYEY NANNOFOSSIL CHALK and CLAYEY NANNOFOSSIL MIXED SEDIMENT General Description: This core contains light greenish gray (5GY 8/1) CLAYEY NANNOFOSSIL CHALK alternating with grayish green (10GY 5/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT. Bedding contacts are gradational. Thin, millimeter-scale, green color bands are common within the darker beds. There is moderate burrow motiling throughout the core with <i>Planolites</i> , <i>Zoophycos, Chondrites</i> , and vertical burrows visible. Burrow fills containing pure, soft, very fine- grained pyrite are present throughout the core. Trace quantities of zeolites are also present.

928B-47X 1 2 3 4 5 CC 5-10-15-20-25-30-35-40-45-50-55-60-65-70-75--80-85-90-95-100-105-110-115-120-125-130-135-140-145-150-



130-135-140-145-

924

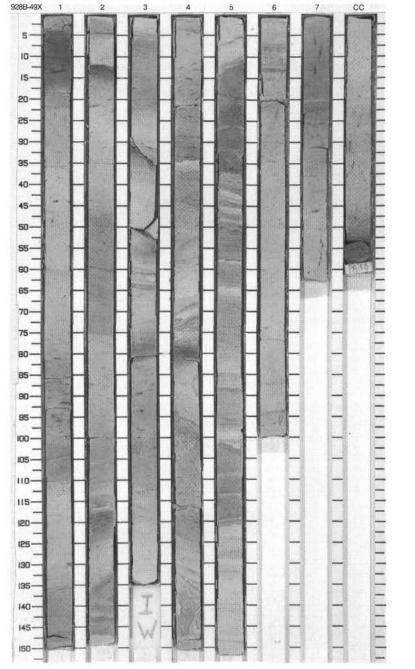
SITE 928

CC

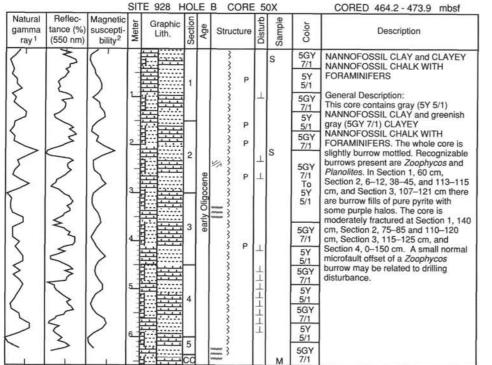
SITE 928 HOLE B CORE 49X

Natural gamma ray ¹ (550 nm) Magnetic bility ² W Graphic Lith. bility ² B Graphic b	Description
S CLAN WITH CLAN SEDI UNANI Fail 33 S CLAN SEDI Tail 33 S CLAN SEDI Tail 33 S CLAN SEDI Tail 33 S CLAN SEDI Tail 33 S CLAN SEDI NANI Fail 33 S CLAN SEDI SEDI SEDI SEDI SEDI SEDI SEDI SEDI	YEY NANNOFOSSIL CHALK I FORAMINIFERS and YEY NANNOFOSSIL MIXED MENT oral Description: core contains light greenish (7.5GY 7/1) CLAYEY NOFOSSIL CHALK WITH AMINIFERS alternating with hish gray (10Y 6/1) CLAYEY NOFOSSIL MIXED SEDIMENT. sediment from the top of Section Section 5, 140 cm, contains rous soft sediment deformation res suggestive of downslope port (slumping). The primary nent composition of the slump ence is the same as above and w, but it includes irregular and er scale bedding features. The p interval contains wavy, bolte, and flaser bedding; lel and cross-laminae; truncated and normal microfaults in the depicted in the structure on. Moderate bioturbation s throughout most of the core, <i>Zoophycos</i> and vertical burrows inized below the slump deposit ctions 5 and 6. Some burrow ontain soft, fine-grained pyrite.

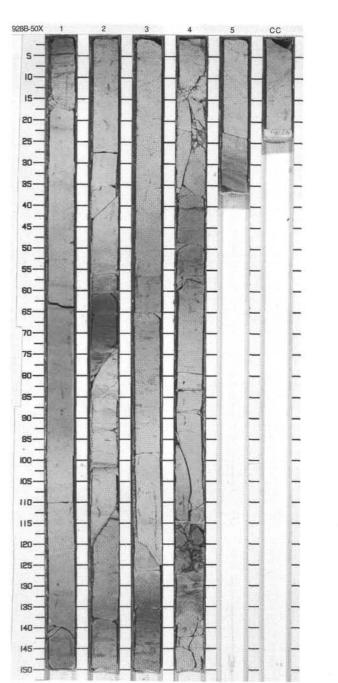
10 20 20 40 0 10 20



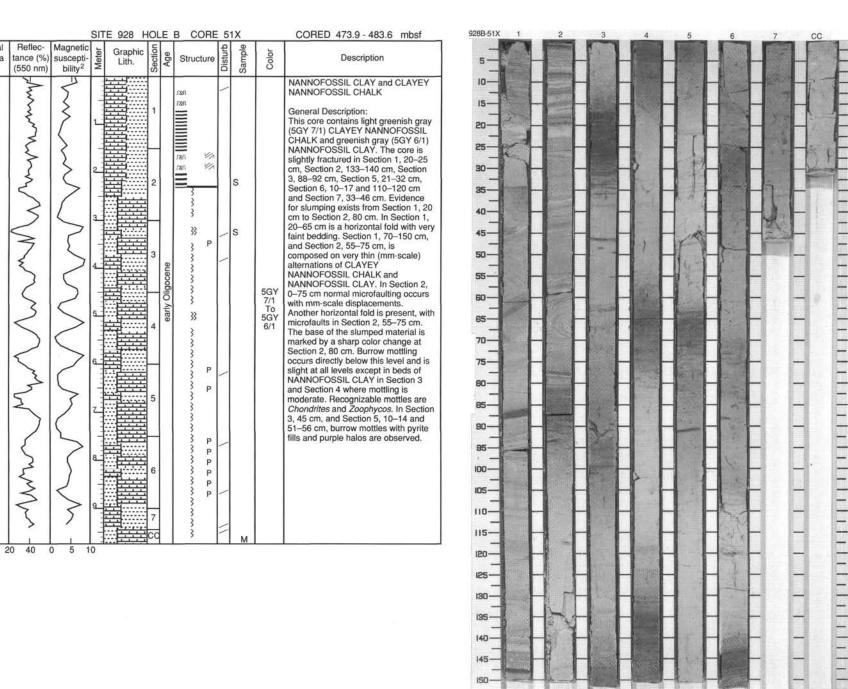
SITE 928



10 20 20 40 0 10 20



926



140-145-

150-

SITE 928

927

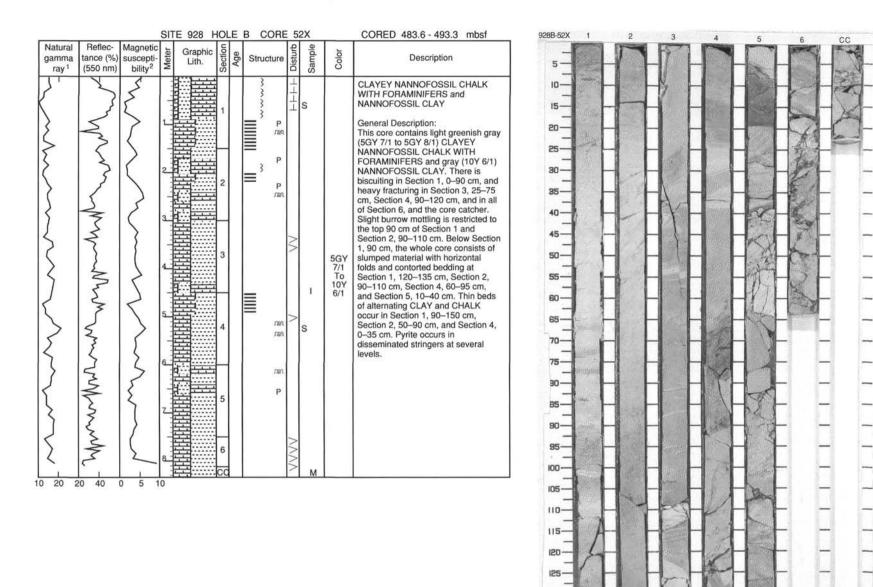
10 20

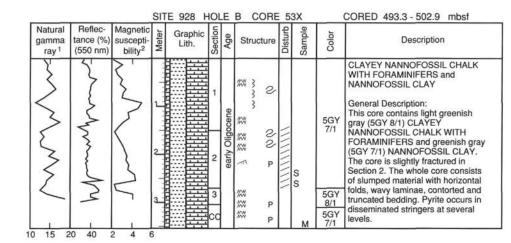
Natural

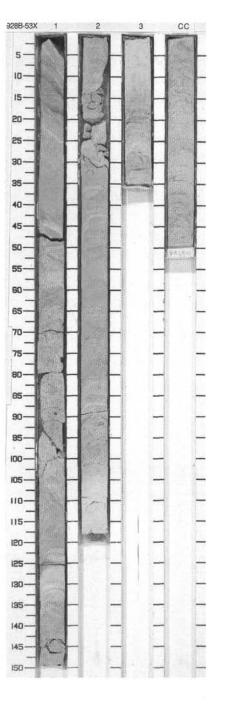
gamma

ray¹

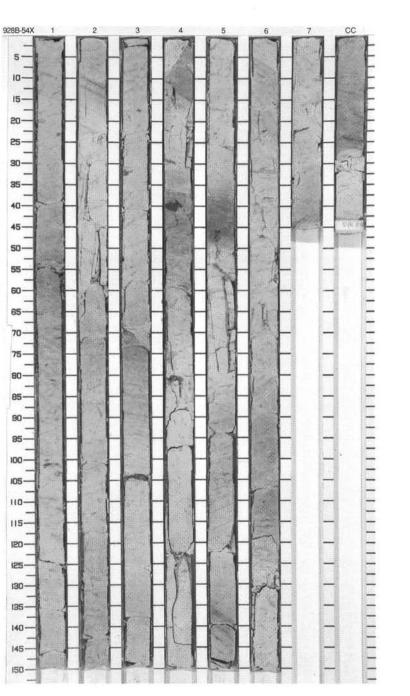
SITE 928

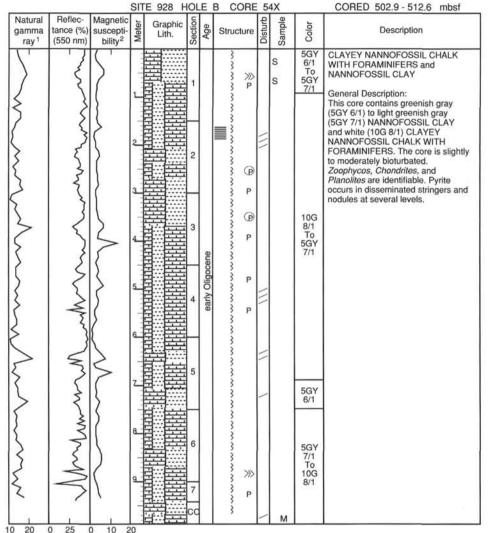






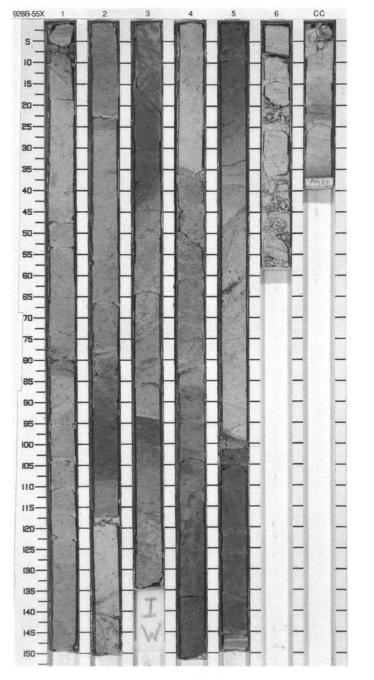


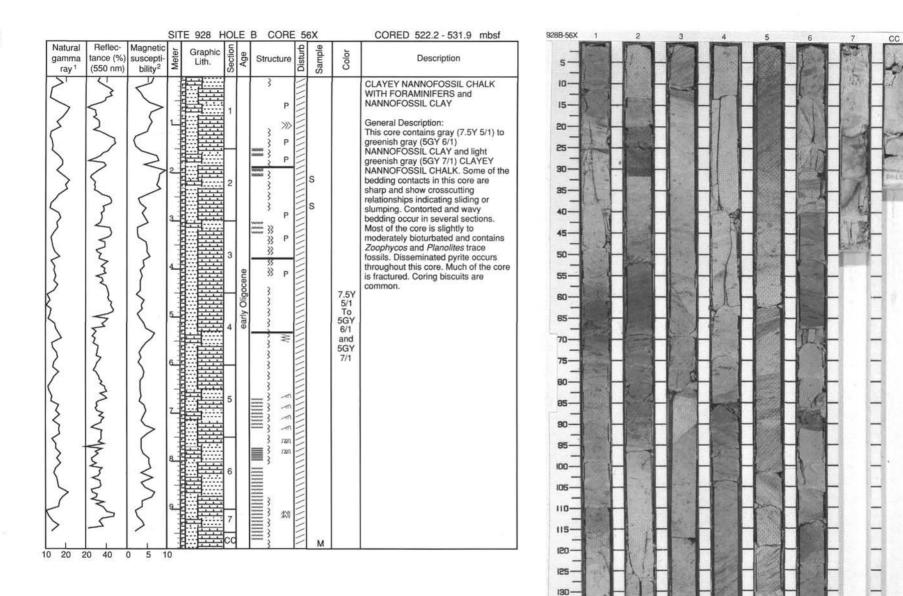




0 25 0 10 20

Natural gamma ray ¹	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
> '	The second	{ '	11111				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			5GY 7/1	CLAYEY NANNOFOSSIL CHALK and NANNOFOSSIL CLAY
	Munh		States St		2		P P		s s s s	5GY 6/1 To 10Y 5/1 5/1	General Description: This core contains gray (10Y 5/1) to greenish gray (5GY 6/1) NANNOFOSSIL CLAY and light greenish gray (5GY 7/1) CLAYEY NANNOFOSSIL CHALK. The bedding contacts in this core are very sharp. Some show crosscutting relationships indicating sliding or slumping. Most of the core is slightly to moderately bioturbated and exhibits Zoophycos, Chondrites, and
$\left\{ \right\}$	Smart	$\left. \right\}$	L		3	early Oligocene	~~~~		T	5GY 6/1 To 10Y 5/1	Planolites trace fossils. Disseminated pyrite occurs throughout this core. Coring disturbance in the form of biscuits occurs in Section 1, 47–125 cm, Section 3, 0–70 cm, and Section 4, 30–140 cm.
>	2	{	5			θ	***			5GY 7/1	
	man				4		*	11		5GY 6/1 To 10Y 5/1	
3	5	)	5				***	1111			
		ſ	8		6		****	111111		5GY 7/1	





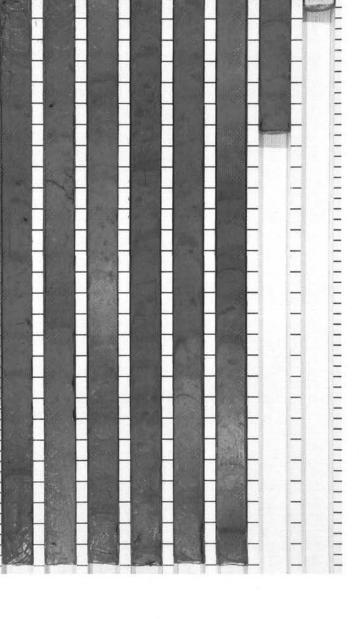
135-140-145-150-

932

SITE 928

-

ŝ	_	2	
ł	-	3	
l	1	J	
2	4	Ś	
2		2	



928C-1H 1 2

5-10-15-20-25-

30-35-40-45-50-55-60-65-70-75-80-85-90-85-100-105-110-115-

3

4

5

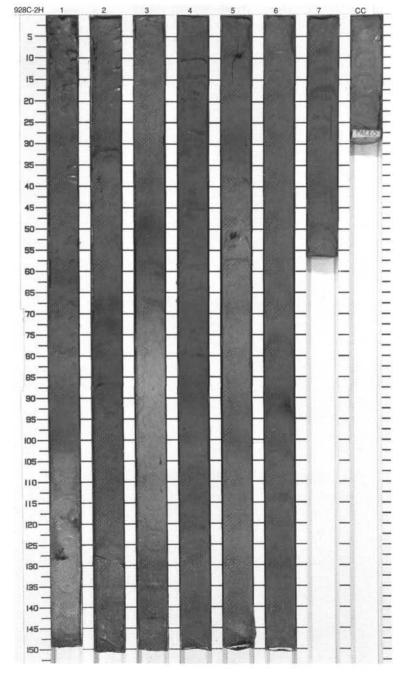
6

7

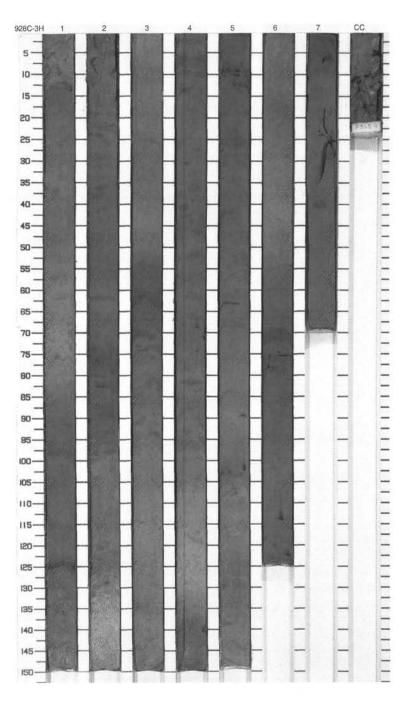
CC

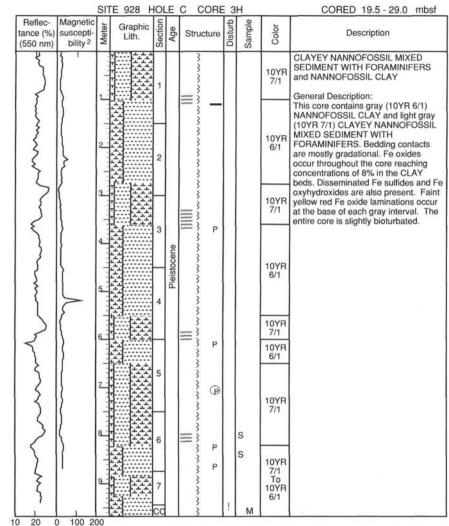
Reflec- tance (%)	Magnetic suscepti-	Meter	Graphic	Section	Age	Structure	Disturb	Sample	Color	Description
(550 nm)	bility ²	Ň	Lith.	Sec	A	outdeture	Dis	Sar	ů	
twomen		Sector Contraction Francisco		1	234				10YR 6/1 To 10YR 6/2	NANNOFOSSIL CLAY and NANNOFOSSIL CLAYEY MIXED SEDIMENT WITH FORAMINIFERS General Description: This core contains light brownish gray (10YR 6/2) to gray (10YR 6/1) NANNOFOSSIL CLAY and gray (2.5) 6/1) NANNOFOSSIL CLAYEY MIXED SEDIMENT WITH FORAMINIFERS. Bedding contacts are gradational. Fe oxides occur throughout the core, reaching concentrations of 3% in the CLAY beds. Disseminated Fe sulfides
		1		3	-Holocene	,			2.5Y 6/1	and Fe oxyhydroxides are also present. Faint, yellow red, Fe oxide laminations occur at the base of each gray interval. The entire core is slightly bioturbated.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		9		4	late Pleistocene-Holocene	۲ – ۲ – ۲ – ۲ – ۲ – ۲ – ۲ – ۲ – ۲ – ۲ –		S	10YR 6/1 To 10YR 6/2	
- Ary	3			5		~ ~ ~ ~ ~			2.5Y 6/1	
Marro	$\sum_{i=1}^{n}$	8		6		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			2.5Y 6/1 10YR 6/1 2.5Y	
Y	3	9		7		— ³ Р		S M	6/1 10YR 6/1	

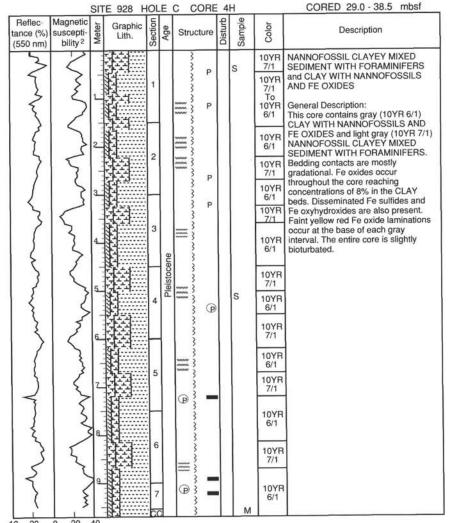
Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	}'	10000		1		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	WM	s	10YR 5/1	CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL CLAY
3	$\left \right\rangle$	1				~		s	2.5Y 7/2	General Description: This core contains gray (10YR 6/1, 5/1) NANNOFOSSIL CLAY and light
{									10YR 6/1	gray (2.5Y 7/2) CLAYEY NANNOFOSSIL OOZE WITH
	}	3		2		л р П р			10YR 5/1	FORAMINIFERS. Bedding contacts are gradational. Fe oxides occur throughout the core, reaching concentrations of 3% in the CLAY beds. Disseminated Fe sulfides and Fe oxyhydroxides are also present.
3		4		3		р Эм			10YR 5/1 To 2.5Y 7/2	Faint, yellow red, Fe oxide laminations occur at the base of each gray interval. The entire core is slightly bioturbated.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		5		4	Pleistocene	~~~~ Р Р • Р Р			10YR 5/1	
3		2		5		P P P P P P P			2.5Y 7/2	2
when		8		6		>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>			10YR 5/1	
ł	}	9		7		P			10YR 5/1 To 2.5Y 7/2	



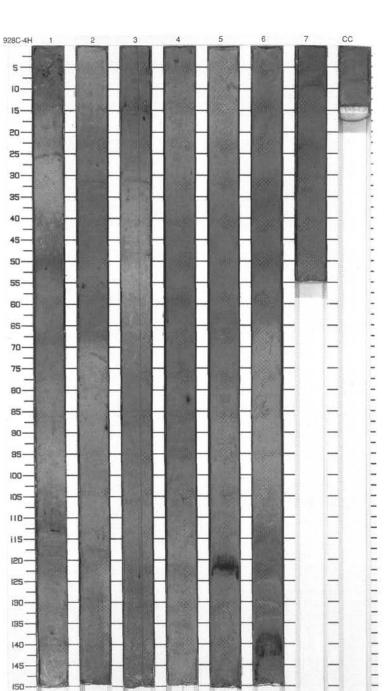






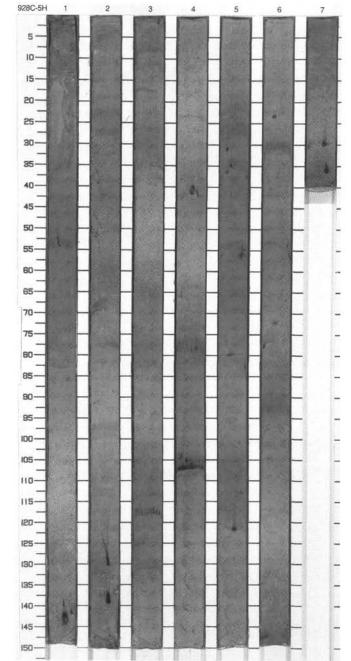




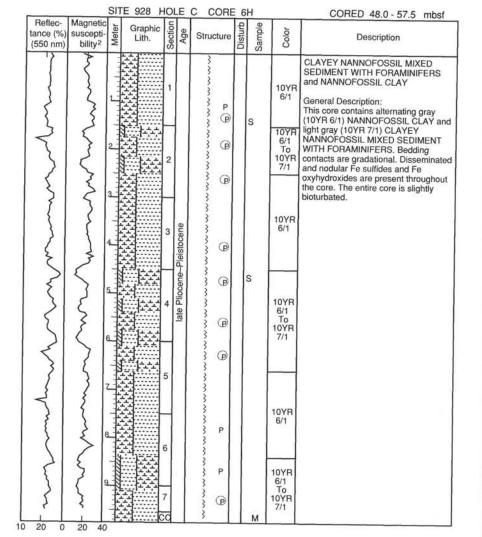


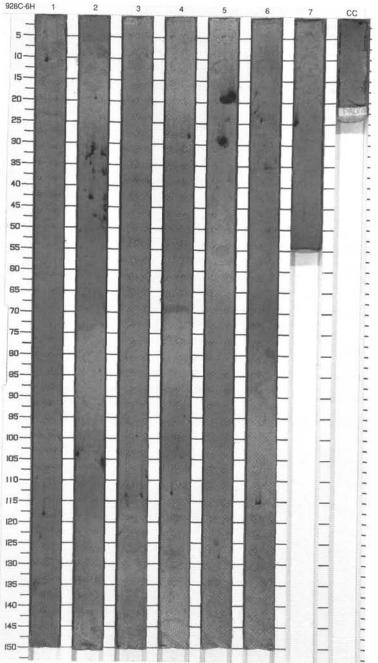
1 8

Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Stru	cture	Disturb	Sample	Color	CORED 38.5 - 48.0 mbsf Description
Š	5			1		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Þ	WM		10YR 6/1	NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH FORAMINIFERS
2	{	1				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			s	2.5Y 6/1	General Description: This core contains gray (10YR 6/1)
>	}	2					P			10YR 6/1	NANNOFOSSIL CLAY and light gray (2.5Y 6/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT WITH FORAMINIFERS. Bedding contacts are
5	{	Leer		2		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			s	2.5Y 6/1	mostly gradational. Fe oxides occur as faint laminations throughout the core reaching concentrations of 3% in the
$\langle $	}	3				······································	P			10YR 6/1	CLAY beds. Disseminated and nodular Fe sulfides and Fe oxyhydroxides are also present. The entire core is slightly
3	{	1111		3		33					bioturbated.
2	}	4			Pleistocene	■	Р			2.5Y 6/1	
\geq	{	5			Pleisto	33	P			To 10YR 6/1	
5	}	- III		4		3					
3	$\left\{ \right.$	6				3	P				
3	}	- 11-		5		3	P			10YR 6/1	
ξ	{	Z				~~~~	Р			2.5Y 6/1 To	
}	{					3				10YR 6/1	
{	<pre>{</pre>	8		6		3				10YR 6/1	
2	{	9				\$ } }	Р			2.5Y 6/1 To	
3	(-		7 CC		······· }	®		М	10YR 6/1	

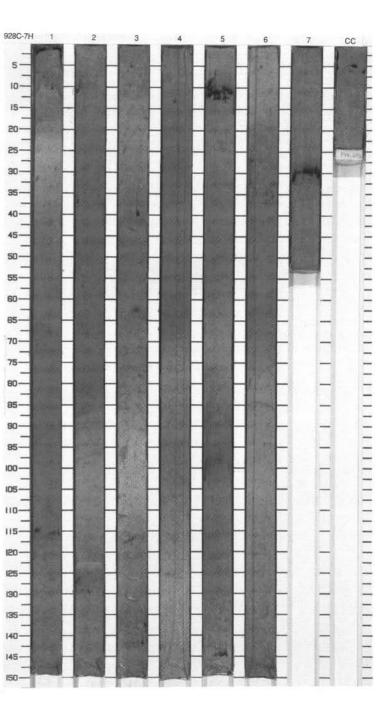


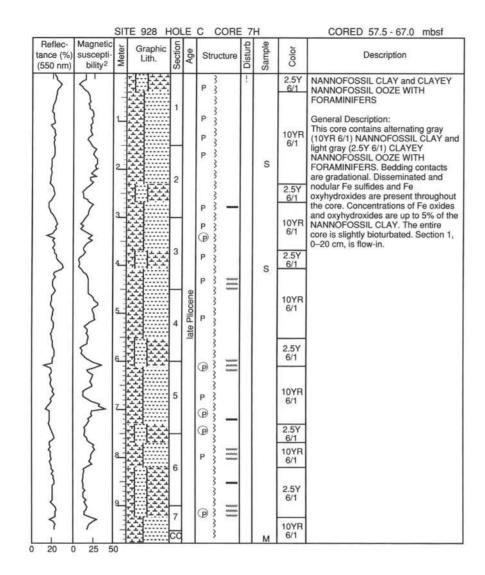
10 20 0 50 100

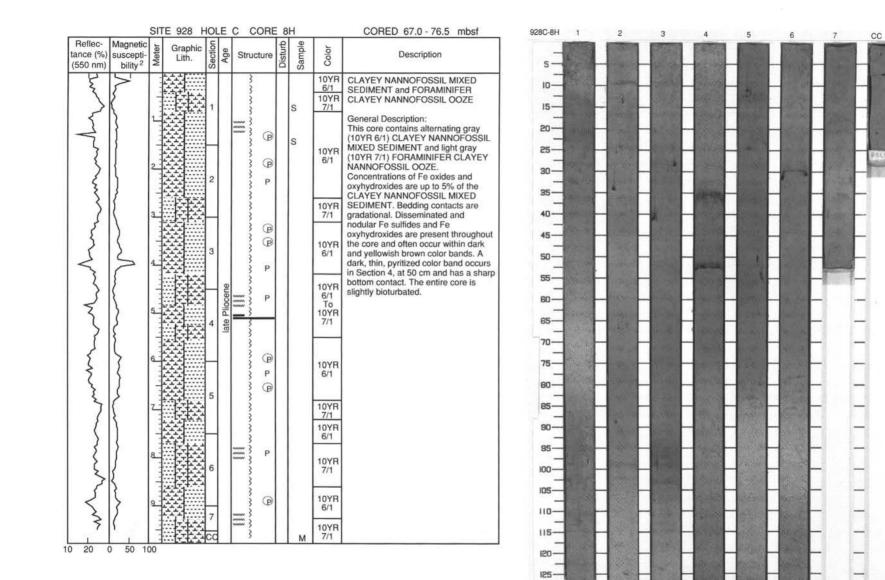




2	/	2	
i		-	
t	7	đ	
ÿ	٤	5	
ŧ	1	2	
1	X	٥	







940

SITE 928

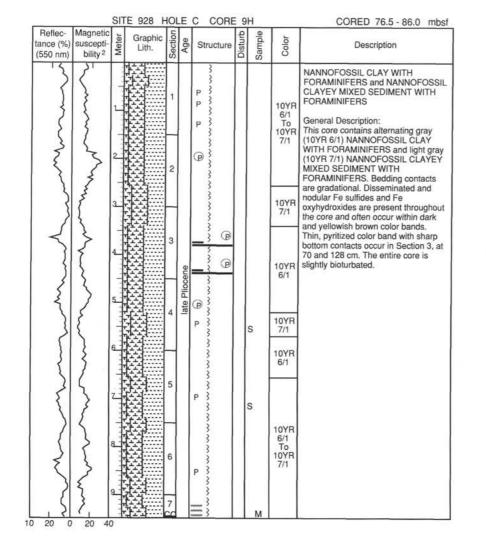
Ξ

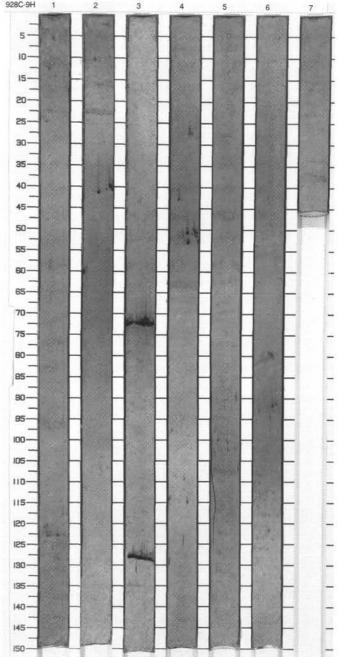
Ξ

-

-

H





928C-9H 1

		Graphic	l ≌I	Ð	Oliveration of	5	d	b	Description		1		Contraction of the	And in case of the local division of the loc	1000	000 0000	TUES I
Magnetic suscepti- bility ²	Met	Lith.	Section	Ag	Structure	Dist	Sample	Color	Description	5-	lat -	1992		100		-0	
5	111	<u> </u>			~~~				NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL MIXED SEDIMENT	10-	1 state	-	4	LUC LARS	- 2	- 25	111-1
$\left(\right)$	-	44	1		3				WITH FORAMINIFERS	15-			Sec. 10	in pas	3	-	
}	4	<u> </u>			B				General Description: This core contains alternating gray	- 20-	1200		and the second	12 2			
2	-	÷			3			10YR	and light gray (10YR 7/1) CLAYEY	-	- Carl		ALL ALL		1		
}	2				3			To 10YB	NANNOFOSSIL MIXED SEDIMENT WITH FORAMINIFERS.								
\sum			2		P }			7/1	Concentrations of Fe oxides and	90-				1			
8		4			3				contacts are gradational.	35-	- Contraction			and the			
2	3		Н		(P)	11			Disseminated and nodular Fe sulfides and Fe oxyhydroxides are present	40-	1		ST.S				
ζ	-	44			3				throughout the core and often occur within dark and vellowish brown color	45-	1		State -		-	8-8	
}	4	÷1	3		3				bands. The entire core is slightly bioturbated.	50-		and the	RA INS		- 00-		
{	-				3				-	55-				26	38		
2	-	<u> </u>	Π		3	11	S	10YR 6/1		60-	- State			52	1977-1		
{	5-1	<u> </u>	4		3			2,248,8540		- 65-		the second	Carrier -	1000	4	40	-
\geq	-	3			B }					- 70-		-Beesine		- 3	12/4		
$\langle $	6		Ц		ŝ			10/0			Saw	m.		E	100	1	
2								6/1		-	and the	ale the	ALC:	- F	Ser.	43	RE
3	1	걸려	5		3			10YR 7/1			100	in the second				-	
8	4				3			100/2010		85-	4	1					
{			Н		Р 3					90-							
}	8				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			10YR 6/1		95-	1	-	40	100	-		
}		요	6		B i					100-	1	-		-			-
ξ	-				3		S	10YR		105-	10.2	3.30					-
5	9		7					To		110-	1318		Sall-		-		
5	-		Ľ		9 <u>3</u>			10YR 7/1		115-				33	- 2	8-Q	-
20 4	0		CC		@ }		М			120-	al and a second	國際的	ion and	12			-
	-2								Image: second	ANNNOFOSSIL MIXED SEDIMENT WITH FORAMINIFERS General Description: This core contains alternating gray 10YR and light gray (10YR 7/1) LAYEY and light gray (10YR	Image: Second	1 <td>ANANOFOSSIL MIXED SEDIMENT 10 1 1 10 1 10 10 1 10 10 1 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10</td> <td>A Image: Constraint of the consthe constraint of the constraint of the constraint of the c</td> <td>Image: Section of the sectio</td> <td>AMANOFOSSIL MIXED SEDMENT I0 Image: Constraint of the second secon</td> <td>A A A A A A A B A B</td>	ANANOFOSSIL MIXED SEDIMENT 10 1 1 10 1 10 10 1 10 10 1 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10	A Image: Constraint of the consthe constraint of the constraint of the constraint of the c	Image: Section of the sectio	AMANOFOSSIL MIXED SEDMENT I0 Image: Constraint of the second secon	A A A A A A A B A B

130-

135-

-

旧

£

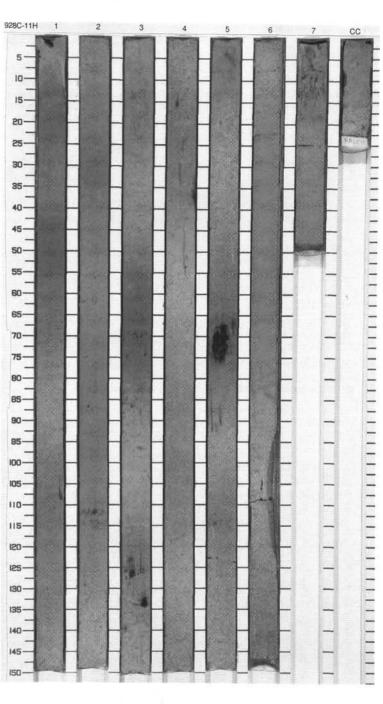
SITE 928

CC

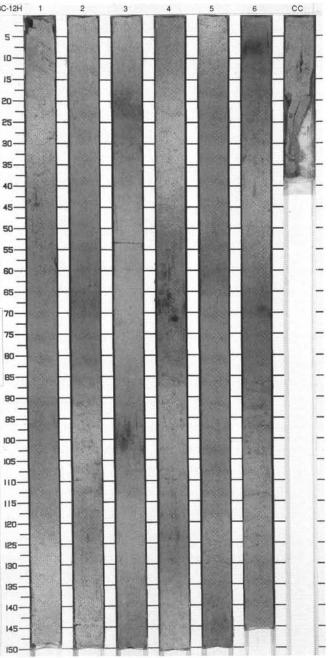
_

18

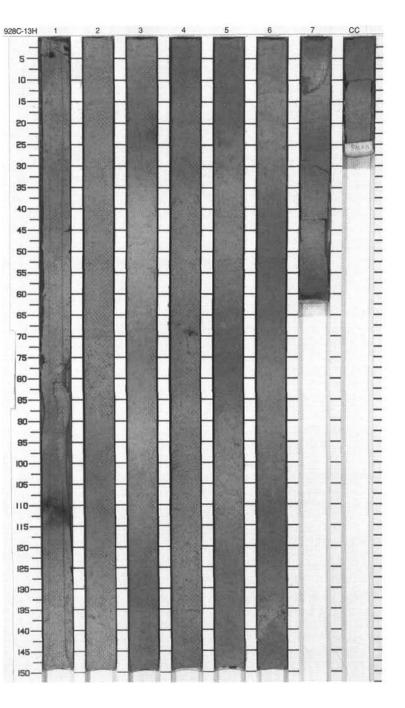
2	
Ξ	
μ	
9	
28	



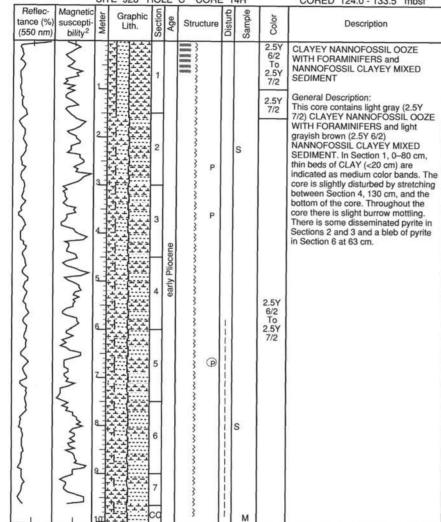
Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	5-	
				1 2 3 4 5 6	late Pliocene		×	S S	10YR 7/1 To 10YR 6/1	NANNOFOSSIL CLAY and CLAYEY FORAMINIFER NANNOFOSSIL OOZE General Description: This core contains alternating gray (10YR 6/1) NANNOFOSSIL CLAY and light gray (10YR 7/1) CLAYEY FORAMINIFER NANNOFOSSIL OOZE. Concentrations of Fe oxides and oxyhydroxides are up to 5% of the NANNOFOSSIL CLAY. Bedding and color contacts are gradational. Disseminated Fe sulfides and Fe oxyhydroxides are present throughout the core. The entire core is slightly bioturbated. The top 6 cm of the core contains flow-in structures, and the bottom 30 cm of the core catcher is deformed by a crushed liner.	10 15 20 25 30 40 45 10 45 55 60 65 70 75 60 85 10 10 10 10 10 10 10 10 10 10	

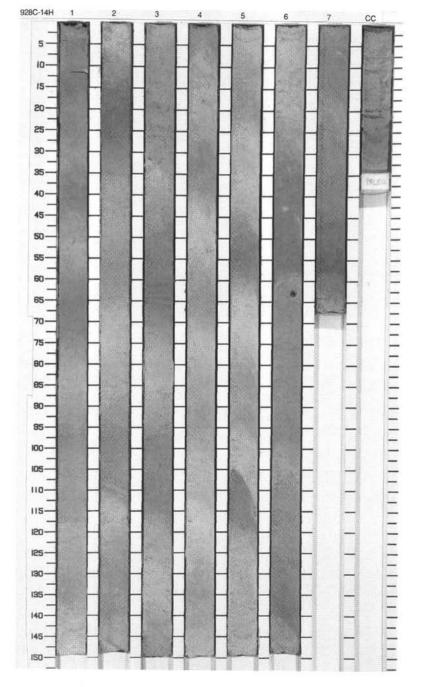


3
7
Ш
22
õõ



Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²		Graphic Lith.	Section	Age	Struct	ture	Disturb	Sample	Color	Description
	·····	1		1		*****	Р	1		10YR 7/1 To 10YR 6/1	NANNOFOSSIL CLAYEY MIXED SEDIMENT and CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS General Description: This core contains alternating gray
Ş		2		2		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Ρ			10YR 6/1	(10YR 6/1) NANNOFOSSIL ČĽAÝ and light gray (10YR 7/1) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS. Concentrations of Fe oxides and oxyhydroxides are up to 5% of the NANNOFOSSIL CLAY.
ζ	5	3		3		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Р			10YR 6/1 To 10YR 7/1 Section 6, at 1 Section 7, at 5	Bedding contacts are gradational. Two small, well-sorted, sand-sized turbidites that consist predominantly o FORAMINIFER OOZE occur in Section 7, at 5–13 cm. They have dipping (probably due to drilling
{	$\left. \right\rangle$				ocene	~~~~~				10YR 6/1	disturbance), sharp bottom contacts Disseminated Fe sulfides and Fe oxyhydroxides are present througho the core. The entire core is slightly
{	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	6		4	early Pliocene	~~~~~~	P P				bioturbated.
}	2	Υ		5					S	10YR	
	$\left. \right\}$	8		6		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			S	6/1 To 10YR 7/1	
~	2	٩		7		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	P		S		
í	1	1.00	<u> </u>	cc		3			м		





SITE 928

20 40

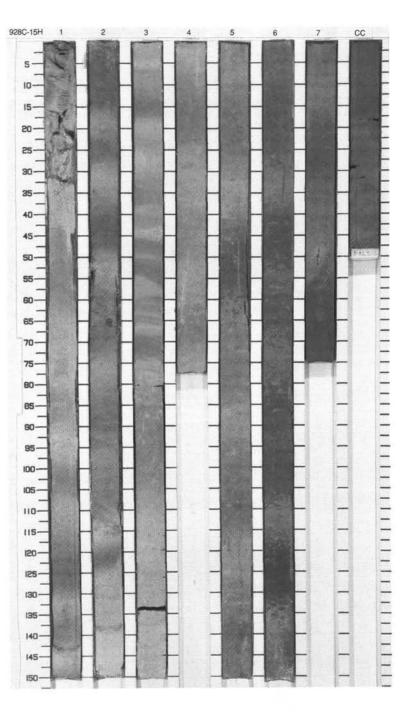
0

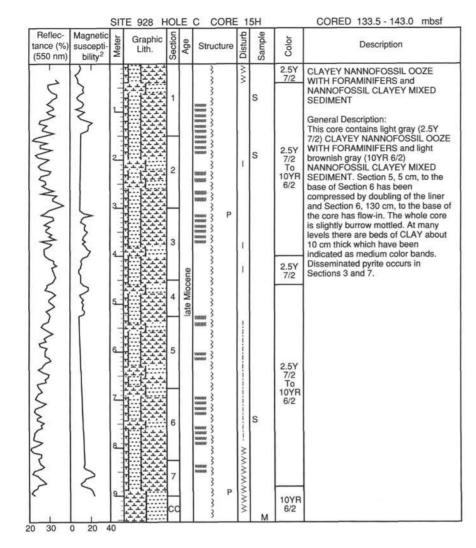
10 20

SITE 928 HOLE C CORE 14H

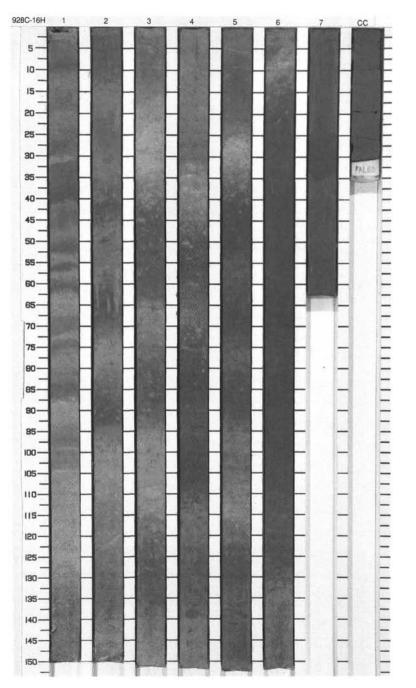
CORED 124.0 - 133.5 mbsf

ITE 92	5
TE 92	3
9	H.
8	1.4
	8





Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
man			1 2 3 4 5 6	late Miocene			S S	10YR 6/3 10YR 7/2	CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL CLAYEY MIXED SEDIMENT General Description: This core contains light gray (10YR 7/2) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and pale brown (10YR 6/3) NANNOFOSSIL CLAYEY MIXED SEDIMENT. Beds of CLAY that are about 10 cm thick are denoted by the medium color band symbol and beds a few cm thick are shown using the thin color band symbol. There is heavy disturbance in the form of flow-in from Section 6, 130 cm, to the base of the core. Slight burrow mottling occurs throughout the core. Pyrite blebs occur in Section 1, 104–127 cm.
٤	5		7 CC		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	wwwww	м	10YR 7/2	

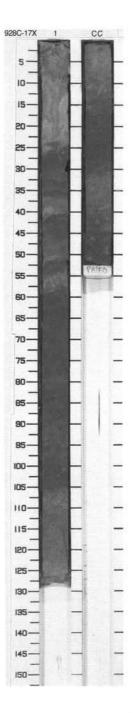


SITE 928 HOLE C CORE 17X

CORED 151.8 - 152.5 mbsf

Natural gamma ray ¹	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample
- 20 2	- M-w -25	8- 8-	techno Écontece					N	М
0 20 2	.0 25	0 20							

Sample	Color	Description
м	7.5YR 6/3 To 10YR 6/2	CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL CLAYEY MIXED SEDIMENT General Description: This core contains light brown (7.5YR 6/3) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and light brownish gray (10YR 6/2) NANNOFOSSIL CLAYEY MIXED SEDIMENT. Beds of CLAY around 10 cm thick are indicated with the medium color band symbol and thinner beds of CLAY are shown as
		thin color bands. The core has flow-in in Section 1, 0–25 cm. There is slight burrow mottling throughout.



SITE 928 HOLE C CORE 18X CORED 152.5 - 162.2 mbsf	928C-18X 1 2 3 4 5 6 7
Natural gamma ray ¹ Reflec- Magnetic (%) suscepti- tance (%) suscepti- tance (%) bility ² tance (%) suscepti- Lith. tance (%) suscepti- Lith. tance (%) suscepti- Structure tance (%) suscepti- Structu	s= 0 -
Image: Second	

SITE 928

CC

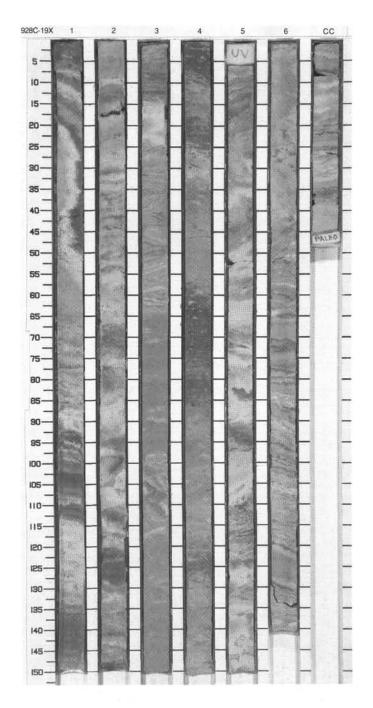
56.3 C

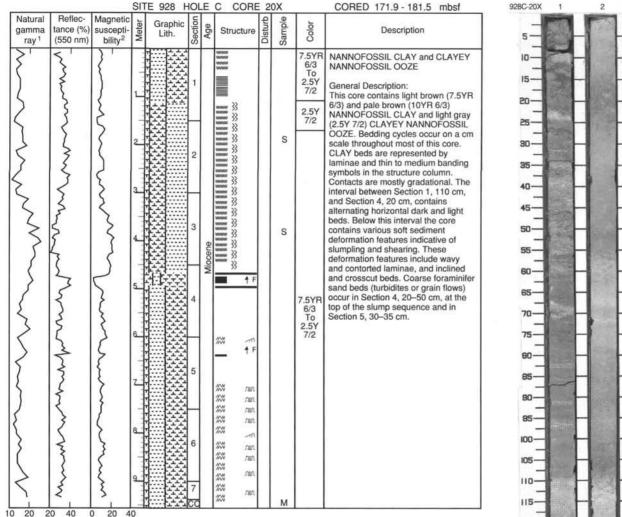
SITE 928 HOLE C CORE 19X

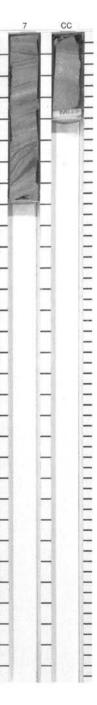
CORED 162.2 - 171.9 mbsf

Natural gamma ray ¹	Reflec- tance (%) (550 nm)	Magnetic suscepti- bility ²	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
	Mr. M.	have have a second and have a second and the second	2 3 4 5 6 7 8		1 2 3 4 5 6 CC	Miocene		MM	S S	10YR 6/3 To 10Y 7/1	NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL MIXED SEDIMENT General Description: This core contains pale brown (10YR 6/3) NANNOFOSSIL CLAY and light grae nish brown (10GY 7/2) and light gray (10Y 7/1) CLAYEY NANNOFOSSIL MIXED SEDIMENT. Bedding cycles occur on a cm-scale throughout most of this core. CLAY beds are represented by the banding symbol in the structure column. Contacts are mostly gradational. This core contains various soft sediment deformation features indicative of slumpling and shearing. These deformation features include wavy and contorted laminae, and inclined and crosscut beds. A coarse foraminifer sandbed occurs in Section 5, 140–150 cm. Coring disturbance is limited to Section 1, 0–50 cm.

0 20 20 40 0 20 40







3

120-125-130-135-140-145-150

5

6

SITE 928