TIME-ROCK UNIT: PLEISTOCENE-HOLOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS *A/G; NANNOFOSSILS N23 NN21 *Emiliania huxleyi*; RADIOLARIANS *Barren; DIATOMS

PALEOMAGNETICS: Brunhes

PHYS. PROPERTIES: ϕ=65.7 γ=1.59; ϕ=54.3 γ=1.65; ϕ=67.0 γ=1.57

CHEMISTRY: IC=6.69 OC=3.41; IC=6.71; IC=7.79

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

METERS: 0, 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.: O, —

SED. STRUCTURES

SAMPLES: *, IW

LITHOLOGIC DESCRIPTION

CALCITIC MARLY CALCAREOUS OOZE

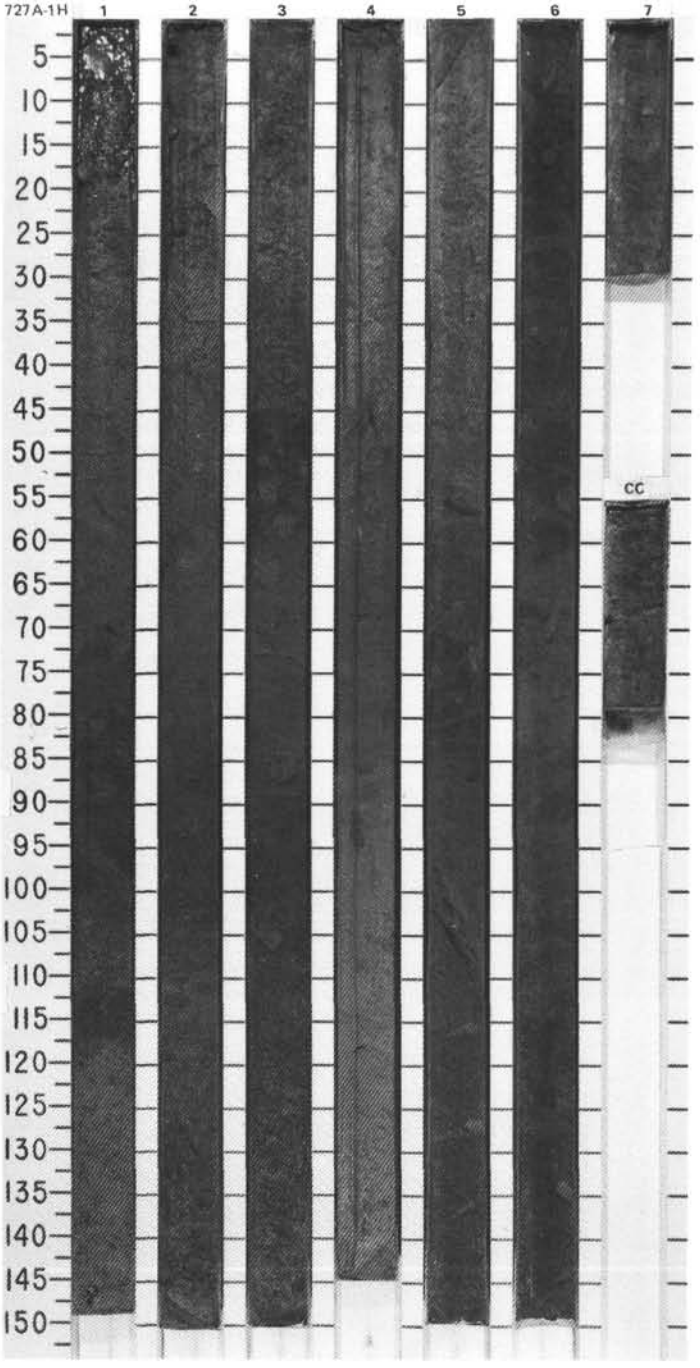
Section 1, 0-16 cm, is highly disturbed. Remainder is undisturbed.

Major lithology: CALCITIC MARLY CALCAREOUS OOZE, olive (5Y 4/3), olive gray (5Y 4/2), and dark olive gray (5Y 3/2). Bioturbated throughout, with shell debris dispersed throughout core.

Minor lithology: Nannofossil ooze, olive (5Y 4/3), in Section 1, 0-16 cm.

SMEAR SLIDE SUMMARY (%):

	1, 1 D	3, 70 D
TEXTURE:		
Sand	5	5
Silt	25	45
Clay	70	50
COMPOSITION:		
Access. minerals		Tr
Clay	35	35
Dolomite	1	1
Foraminifers	5	15
Inorganic calcite	20	25
Mica	2	2
Nannofossils	30	15
Quartz	7	7
Sponge spicules	Tr	



SITE 727 HOLE A CORE 2H CORED INTERVAL 924.3-933.7 mbsl; 9.5-18.9 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
PLEISTOCENE	N23 *A/G	NN21 *Emiliania huxleyi*	*Barren		● ● ● ●	●φ=55.4 γ=1.76; ●φ=58.4 γ=1.76; ●φ=56.4 γ=1.73	●IC=6.81 OC=1.55; ●IC=5.76	1, 2, 3, 4, 5, 6, CC	0.5, 1.0				* *

LITHOLOGIC DESCRIPTION

CALCITIC MARLY CALCAREOUS OOZE and FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE

Entire core is undisturbed.

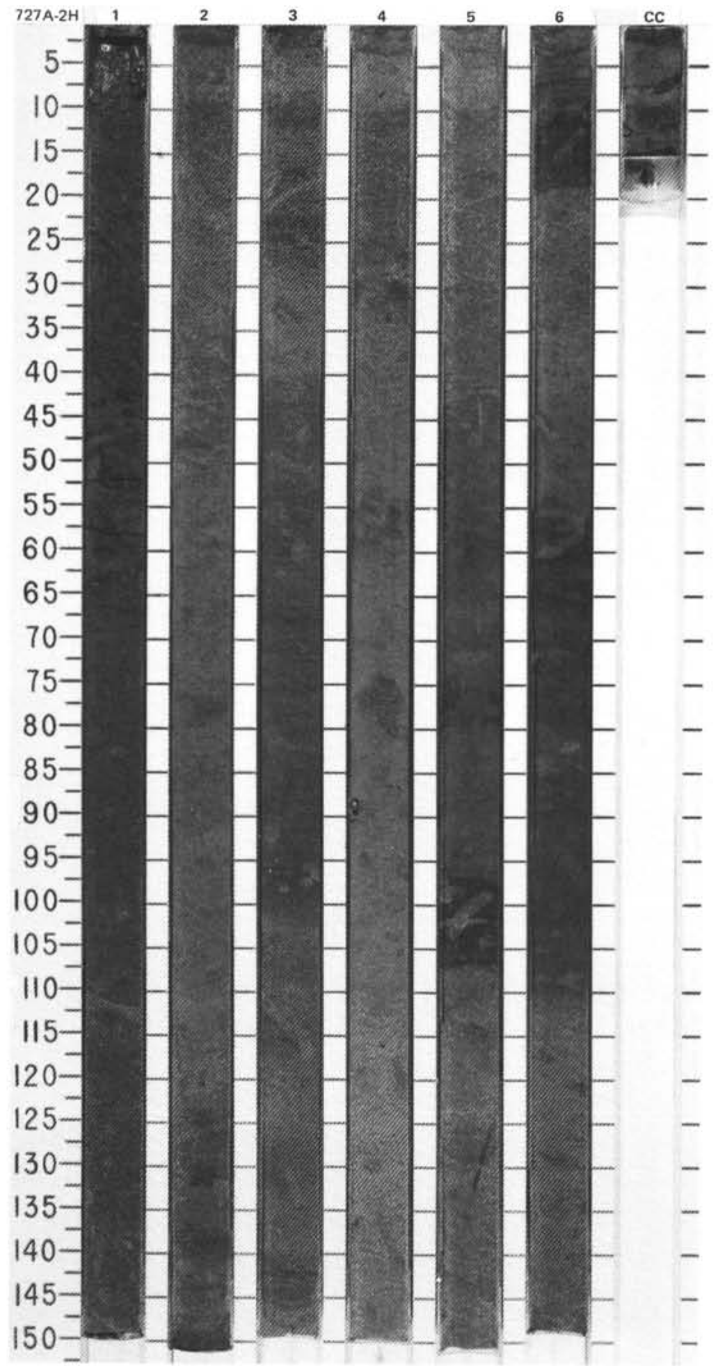
Major lithologies:

a. CALCITIC MARLY CALCAREOUS OOZE, dark olive gray (5Y 3/2) and bioturbated, in Section 1; Section 2, 100 cm, to Section 3; Section 5, 97-107 cm; and Section 6, 0-20 and 55-110 cm.

b. FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) and olive gray (5Y 4/2), bioturbated. Section 2, 0-100 cm; Section 4 to Section 5, 97 cm; Section 5, 107-150 cm; Section 6, 20-55 cm; and Section 6, 110 cm to CC.

SMEAR SLIDE SUMMARY (%):

	1, 67 D	4, 67 D
TEXTURE:		
Sand	5	5
Silt	35	40
Clay	60	55
COMPOSITION:		
Clay	35	30
Dolomite	Tr	1
Foraminifers	10	10
Inorganic calcite	20	25
Nannofossils	20	29
Organic debris	5	
Pellets	5	
Quartz	5	5



TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: N23; *A/G
- NANNOFOSSILS: NN21 *Emiliania huxleyi*; NN20 *Gephyrocapsa oceanica*; *A/M
- RADIOLARIANS: *Barren
- DIATOMS

PALEOMAGNETICS: Brunhes

PHYS. PROPERTIES: ●ϕ=67.0 γ=1.55; ●ϕ=57.3 γ=1.58; ●ϕ=61.5 γ=1.81

CHEMISTRY: ●IC=7.39 OC=3.28; ●IC=6.88; IC=6.82 OC=2.02; ●IC=7.30

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: OG, IW

LITHOLOGIC DESCRIPTION

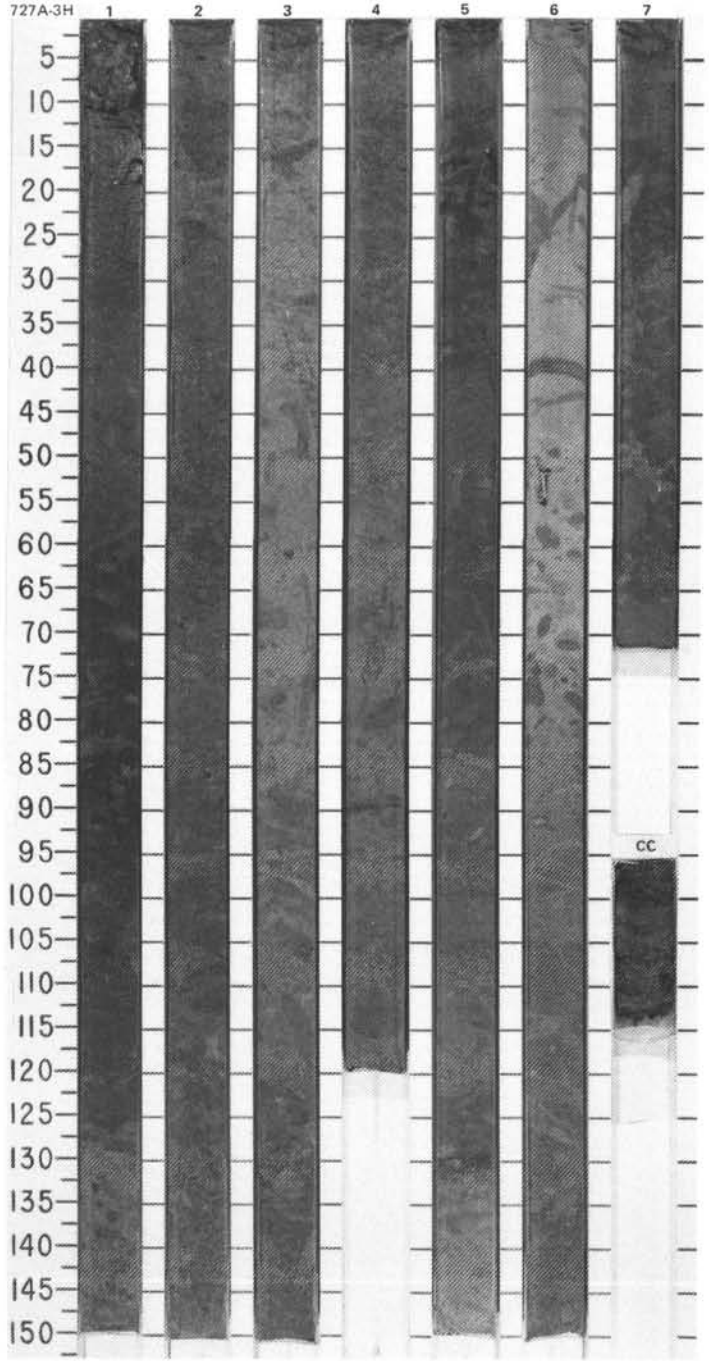
CALCITIC MARLY NANNOFOSSIL OOZE

Section 1, 0-10 cm, is highly disturbed. Remainder is undisturbed.

Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) and olive gray (5Y 4/2) to dark olive gray (5Y 3/2). Bioturbated throughout. Small shell fragments dispersed throughout core; intact bryozoan at Section 6, 50-54 cm.

SMEAR SLIDE SUMMARY (%):

	6, 50 D
TEXTURE:	
Silt	30
Clay	70
COMPOSITION:	
Clay	25
Foraminifers	7
Inorganic calcite	20
Nannofossils	45
Quartz	3



SITE 727 HOLE A CORE 4H CORED INTERVAL 943.2-952.6 mbsl; 28.4-37.8 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER
- FORAMINIFERS: *A/G
- NANNOFOSSILS: N23 / NN20 *Gephyrocapsa oceanica*
- RADIOLARIANS: *Barren
- DIATOMS:

PALEOMAGNETICS: Brunhes

PHYS. PROPERTIES: ϕ=64.0 γ=1.62; ϕ=53.4 γ=1.80; ϕ=61.0 γ=1.69

CHEMISTRY: IC=8.39, OC=2.11; IC=7.22; IC=8.29

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

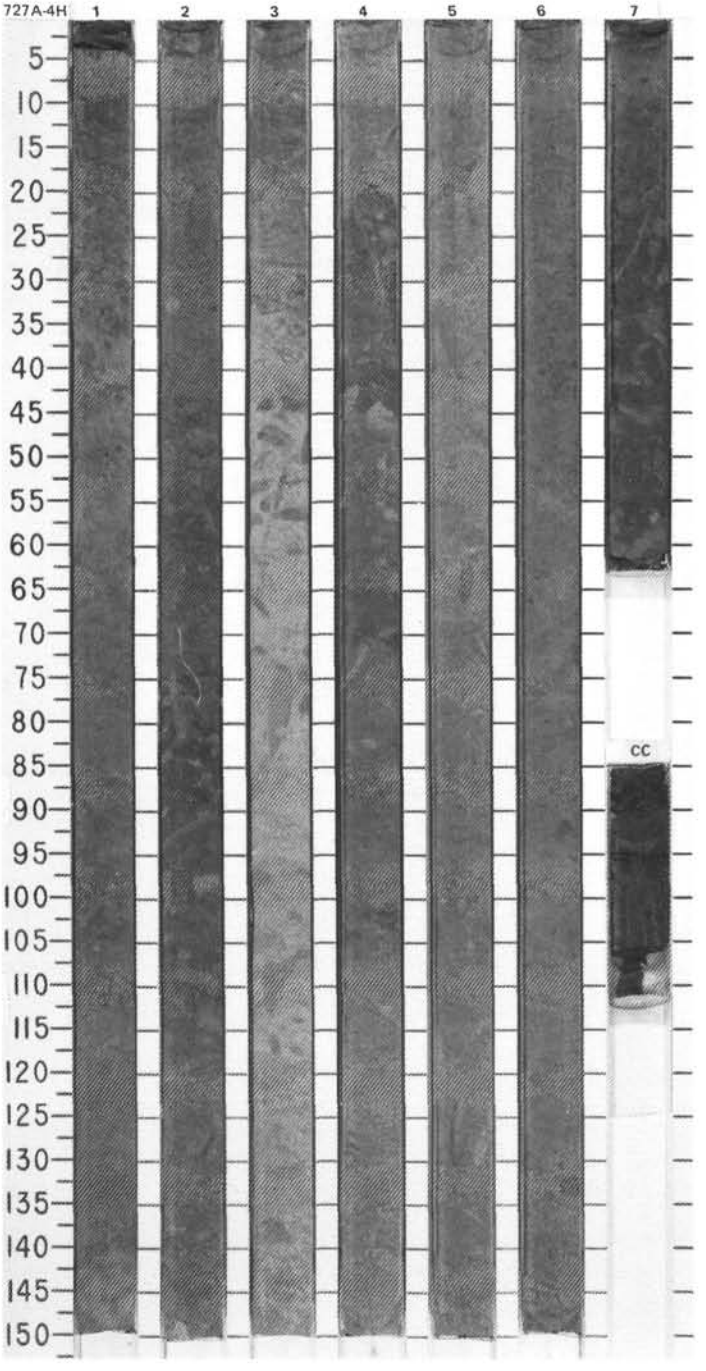
FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE

CC is highly disturbed. Remainder of core is undisturbed.

Major lithology: FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) and olive gray (5Y 4/2, 5/2). Minor to moderate bioturbation throughout, with small shell fragments sparsely dispersed throughout core.

SMEAR SLIDE SUMMARY (%):

	2, 60 D	3, 87 D
TEXTURE:		
Sand	10	
Silt	45	40
Clay	45	60
COMPOSITION:		
Clay	30	25
Foraminifers	15	10
Inorganic calcite	17	20
Nannofossils	35	35
Quartz	3	10



SITE 727 HOLE A CORE 5H CORED INTERVAL 952.6-962.1 mbsl; 37.8-47.3 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: *A/G; N23; *A/M; NN19; *Barren
- NANNOFOSSILS: NN20 *Gephyrocapsa oceanica*; *Pseudoemiliania lacunosa*
- RADIOLARIANS
- DIATOMS

PALEOMAGNETICS: Brunhes

PHYS. PROPERTIES: ●ϕ=59.4 γ=1.68; ●ϕ=51.3 γ=1.85

CHEMISTRY: ●IC=7.35; ●TC=7.08, OC=0.80

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

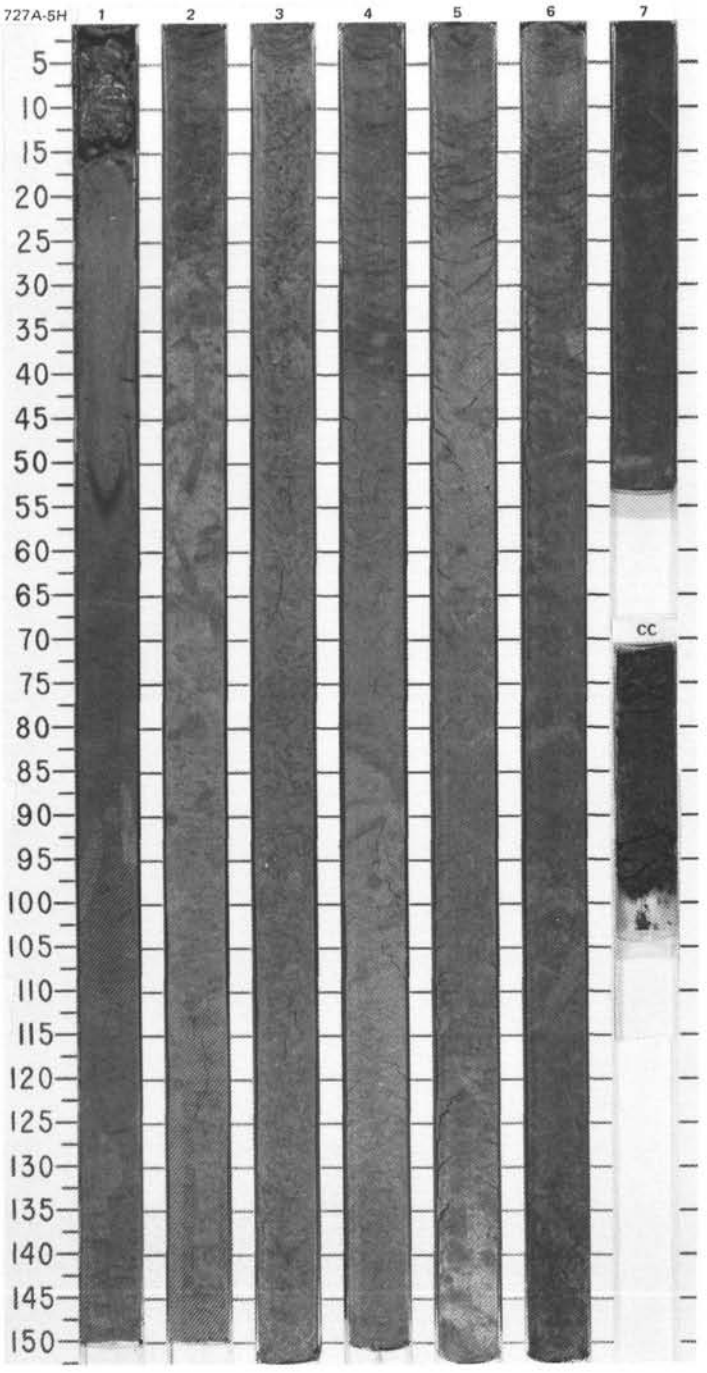
CALCITIC MARLY CALCAREOUS OOZE and FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE

Section 1, 0-25 cm, is highly disturbed. Remainder of core is undisturbed.

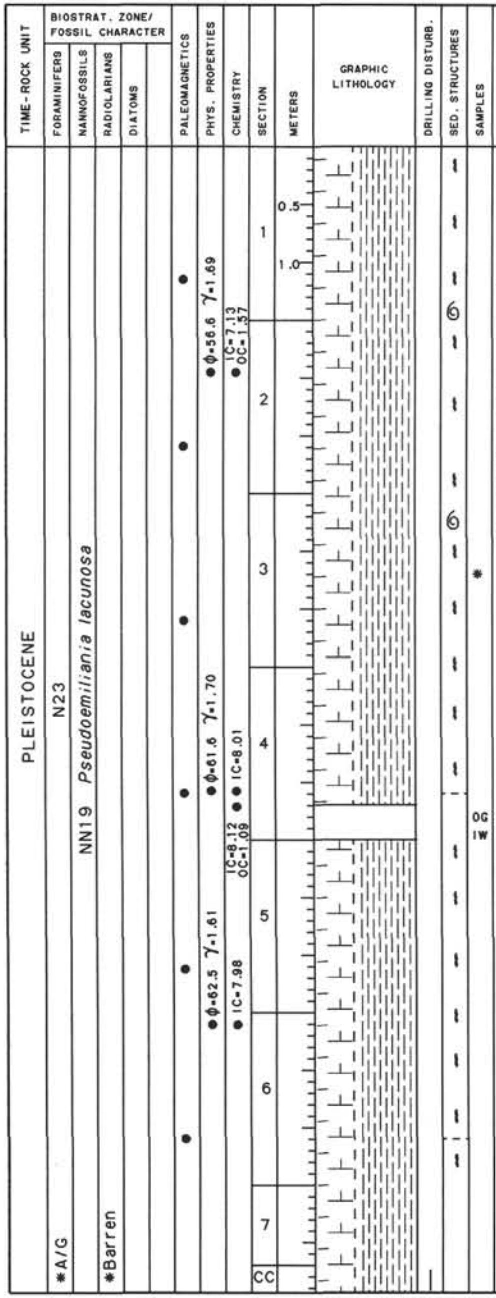
Major lithologies:
a. CALCITIC MARLY CALCAREOUS OOZE, olive (5Y 4/3) to olive gray (5Y 4/2), bioturbated throughout Section 1 through Section 4, 84 cm.
b. FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) to olive gray (5Y 4/2), bioturbated throughout. Section 4, 84 cm, to CC.

SMEAR SLIDE SUMMARY (%):

	1, 78 D	5, 53 D
TEXTURE:		
Silt	45	45
Clay	55	55
COMPOSITION:		
Access. minerals	2	
Clay	35	25
Dolomite	1	
Foraminifers	15	12
Inorganic calcite	20	20
Nannofossils	20	38
Quartz	7	5



SITE 727 HOLE A CORE 6H CORED INTERVAL 962.1-971.6 mbsl; 47.3-56.8 mbsf



LITHOLOGIC DESCRIPTION

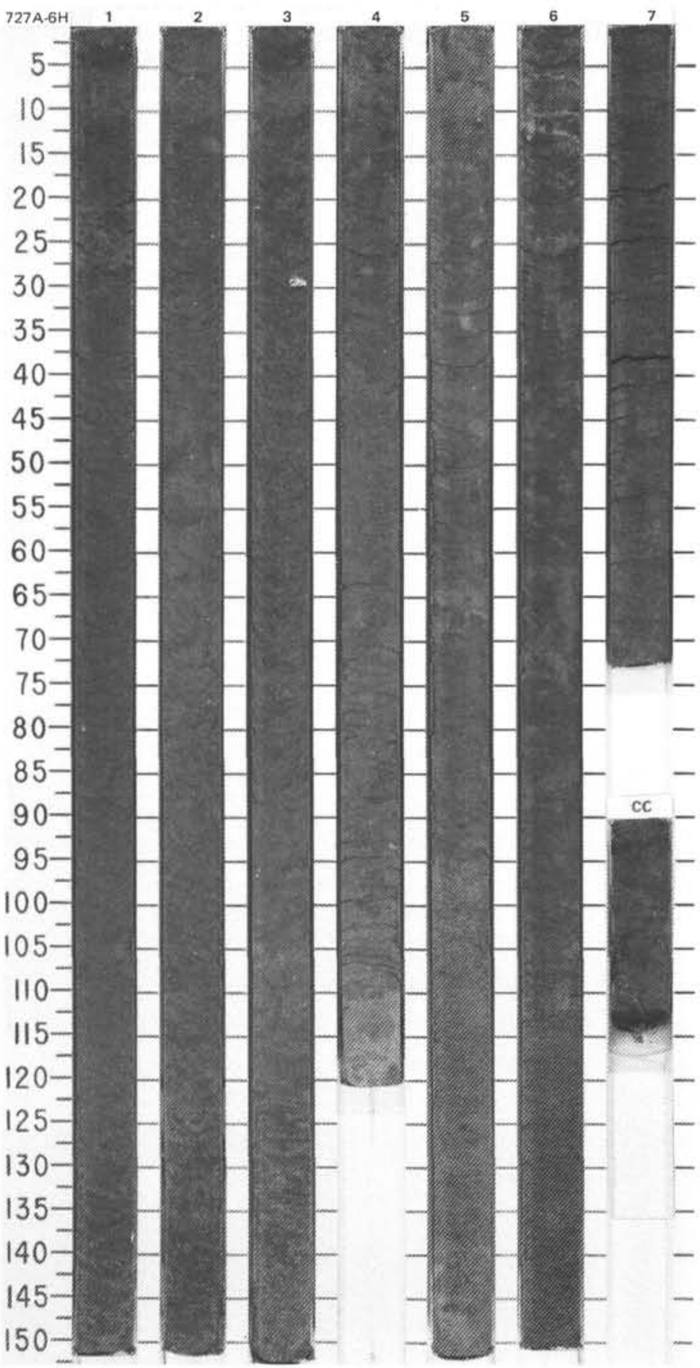
FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE

CC is slightly disturbed. Remainder of the core is undisturbed.

Major lithology: FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) to dark olive gray (5Y 3/2). Bioturbated throughout, with minor dispersed amounts of small shell debris in Sections 1-3.

SMEAR SLIDE SUMMARY (%):

	3, 70 D
TEXTURE:	
Silt	45
Clay	55
COMPOSITION:	
Access. minerals	2
Clay	28
Dolomite	2
Foraminifers	10
Inorganic calcite	20
Nannofossils	35
Quartz	3



SITE 727 HOLE A CORE 7H CORED INTERVAL 971.6-981.2 mbsl; 56.8-66.4 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS *A/G; NANNOFOSSILS N23, NN19 *Pseudoemiliania lacunosa*; RADIOLARIANS *A/M -G; DIATOMS *Barren

PALEOMAGNETICS

PHYS. PROPERTIES: ●ϕ=56.5 γ1.75; ●ϕ=53.5 γ=1.79; ●ϕ=65.0 γ=1.84

CHEMISTRY: ●IC=6.54 OC=1.60; ●IC=6.20; ●IC=7.25

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

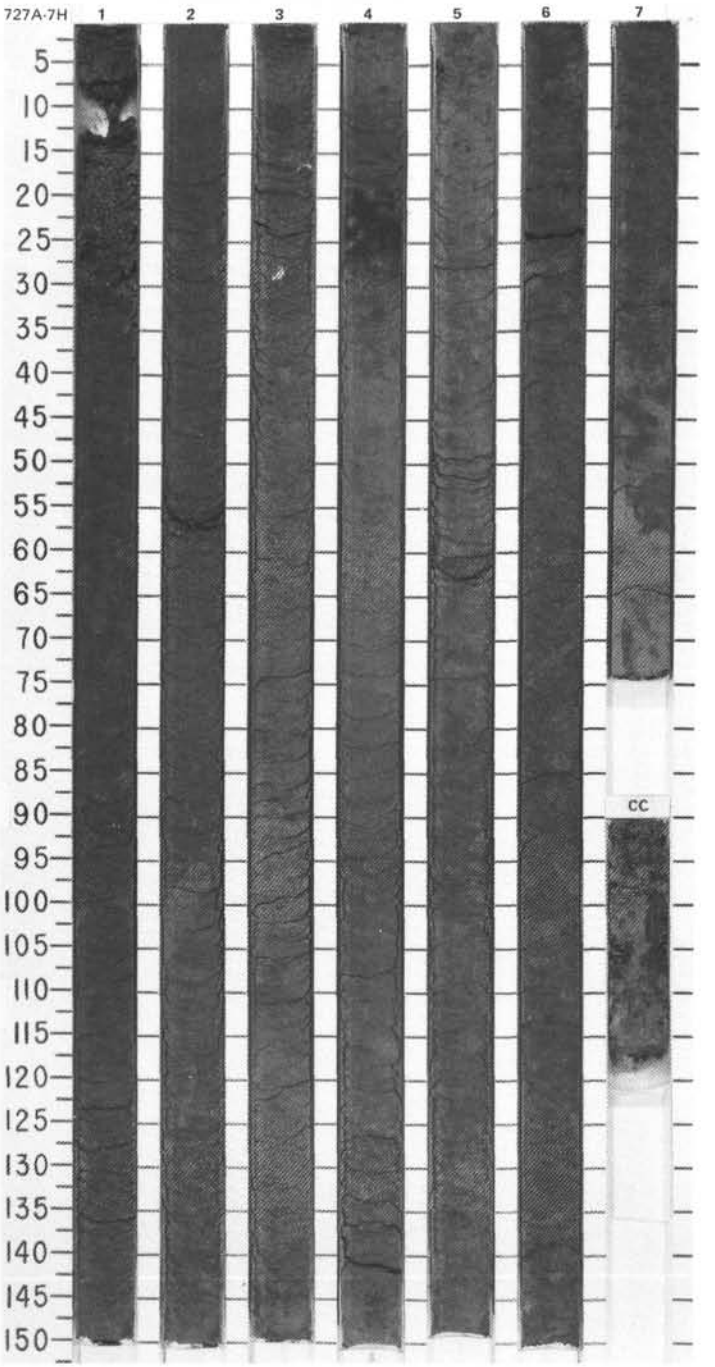
CALCITIC MARLY CALCAREOUS OOZE and FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE

Section 1, 0-30 cm, is highly disturbed. Remainder of core is undisturbed.

Major lithologies:
a. CALCITIC MARLY CALCAREOUS OOZE, olive (5Y 4/3) to dark olive gray (5Y 3/2), bioturbated, in Section 1 to Section 4, 30 cm. Small zones of shell hash. Section 3, 0-50 cm.
b. FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) and olive gray (5Y 4/2). Section 4, 30 cm, to CC. Bioturbated throughout.

SMEAR SLIDE SUMMARY (%):

	3, 85 D	6, 75 D
TEXTURE:		
Sand		5
Silt	45	45
Clay	55	50
COMPOSITION:		
Access. minerals	2	
Clay	30	25
Dolomite	1	Tr
Foraminifers	15	20
Inorganic calcite	25	20
Nannofossils	20	30
Quartz	7	5



SITE 727 HOLE A CORE 8H CORED INTERVAL 981.2-990.0 mbsl; 66.4-76.1 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: *A/G; N23
- NANNOFOSSILS: *A/M-G; NN19 *Pseudoemiliania lacunosa*
- RADIOLARIANS: *Barren
- DIATOMS

PALEOMAGNETICS

PHYS. PROPERTIES: ●ϕ-61.8 γ-1.68; ●ϕ-61.1 γ-1.63; ●ϕ-58.6 γ-1.75

CHEMISTRY: ●IC-8.04 OC-2.22; ●IC-7.52; ●IC-7.48

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

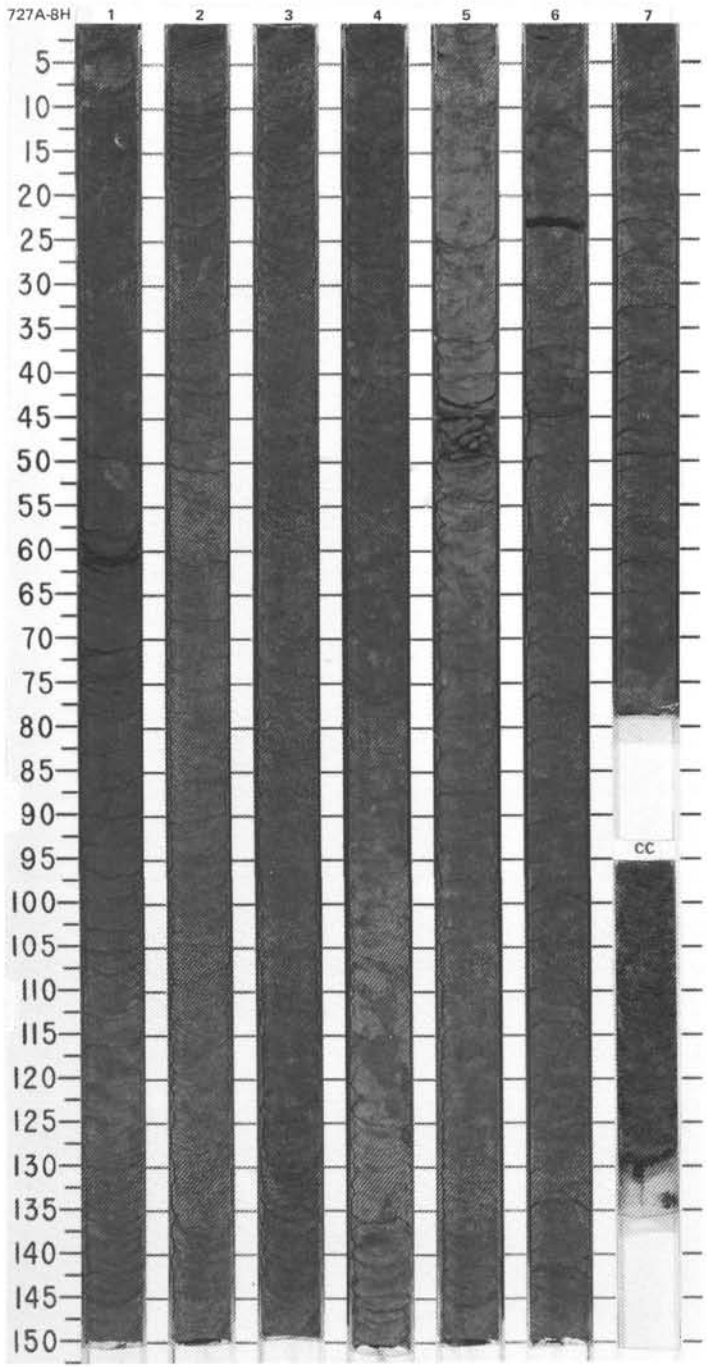
CALCITIC MARLY NANNOFOSSIL OOZE to NANNOFOSSIL-RICH CALCITIC CLAYEY SILT

Entire core is undisturbed.

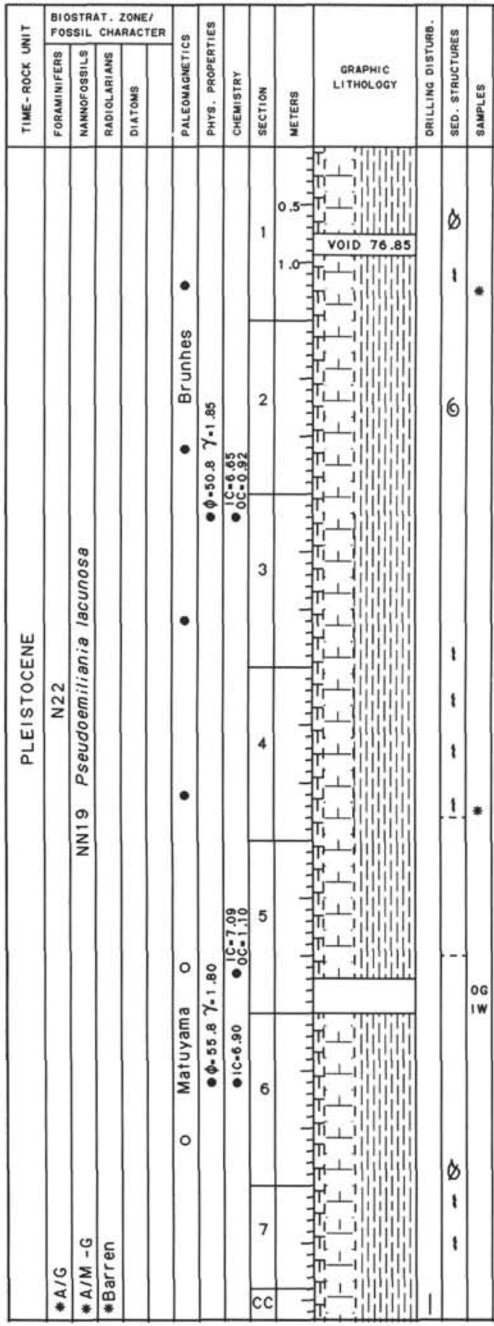
Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE to NANNOFOSSIL-RICH CALCITIC CLAYEY SILT, olive (5Y 4/3) and olive gray (5Y 4/2) to dark olive gray (5Y 3/2). Minor bioturbation throughout.

SMEAR SLIDE SUMMARY (%):

	2, 85 D	5, 21 D
TEXTURE:		
Silt	30	65
Clay	70	35
COMPOSITION:		
Access. minerals	2	1
Clay	30	25
Dolomite	Tr	1
Foraminifers	10	5
Inorganic calcite	15	40
Nannofossils	40	18
Quartz	3	10



SITE 727 HOLE A CORE 9H CORED INTERVAL 990.9-1000.6 mbsl; 76.1-85.8 mbsf



LITHOLOGIC DESCRIPTION

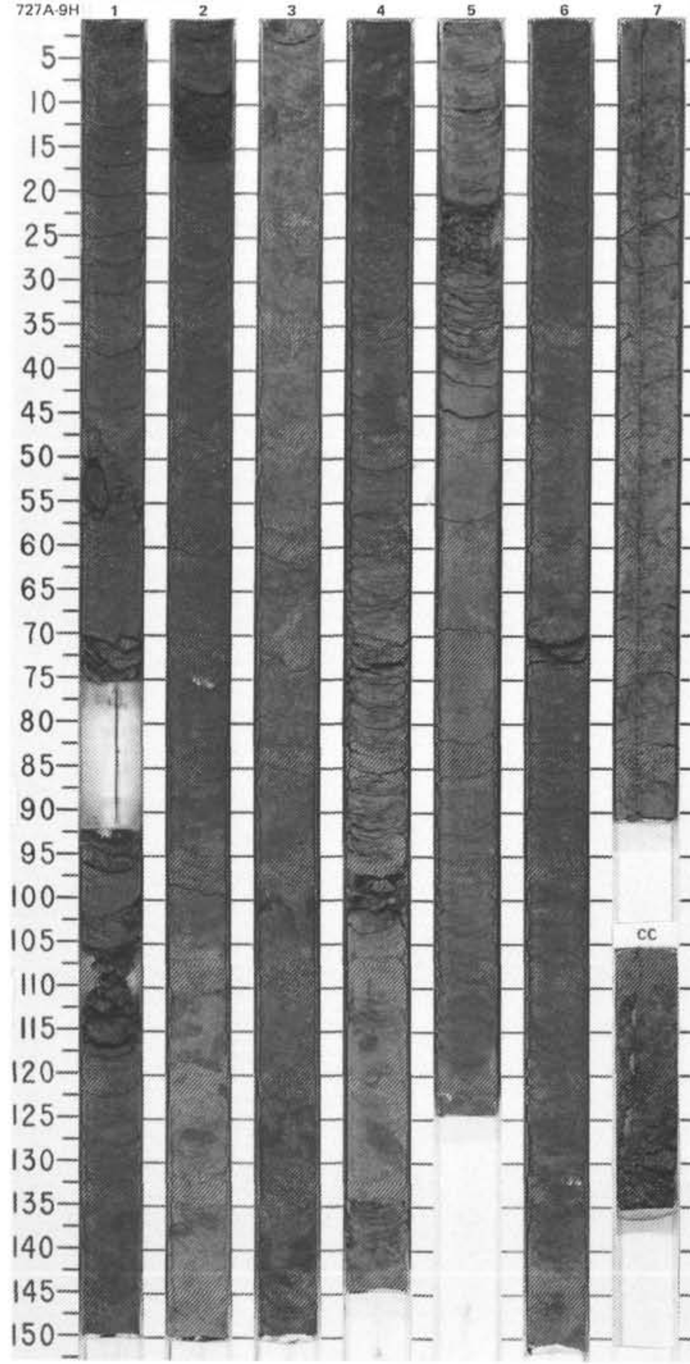
FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE to CALCITIC MARLY CALCAREOUS OOZE

CC is slightly disturbed. Remainder of core is undisturbed.

Major lithology: FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE to CALCITIC MARLY CALCAREOUS OOZE, olive (5Y 4/3) and olive gray (5Y 4/2). Minor bioturbation in Sections 1, 3, 4, and 7.

SMEAR SLIDE SUMMARY (%):

	1, 125 D	4, 123 D
TEXTURE:		
Silt	35	50
Clay	65	50
COMPOSITION:		
Clay	30	20
Dolomite	Tr	1
Foraminifers	10	10
Inorganic calcite	20	35
Mica		1
Nannofossils	30	24
Quartz	10	9



SITE 727 HOLE A CORE 10H CORED INTERVAL 1000.6-1010.2 mbsl; 85.8-95.4 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS: *A/G, *A/M; NANNOFOSSILS: N22, NN19 *Pseudoemiliania lacunosa*; RADIOLARIANS; DIATOMS

PALEOMAGNETICS: Matuyama

PHYS. PROPERTIES: ● ϕ-59.8 γ-1.70; ● ϕ-60.7 γ-1.72; ● ϕ-62.0 γ-1.67

CHEMISTRY: ● IC-7.16; ● IC-7.76; ● IC-6.68 OC-3.25

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY: VOID 86.0; VOID 87.1

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE

Section 1 is highly disturbed. Remainder of core is undisturbed.

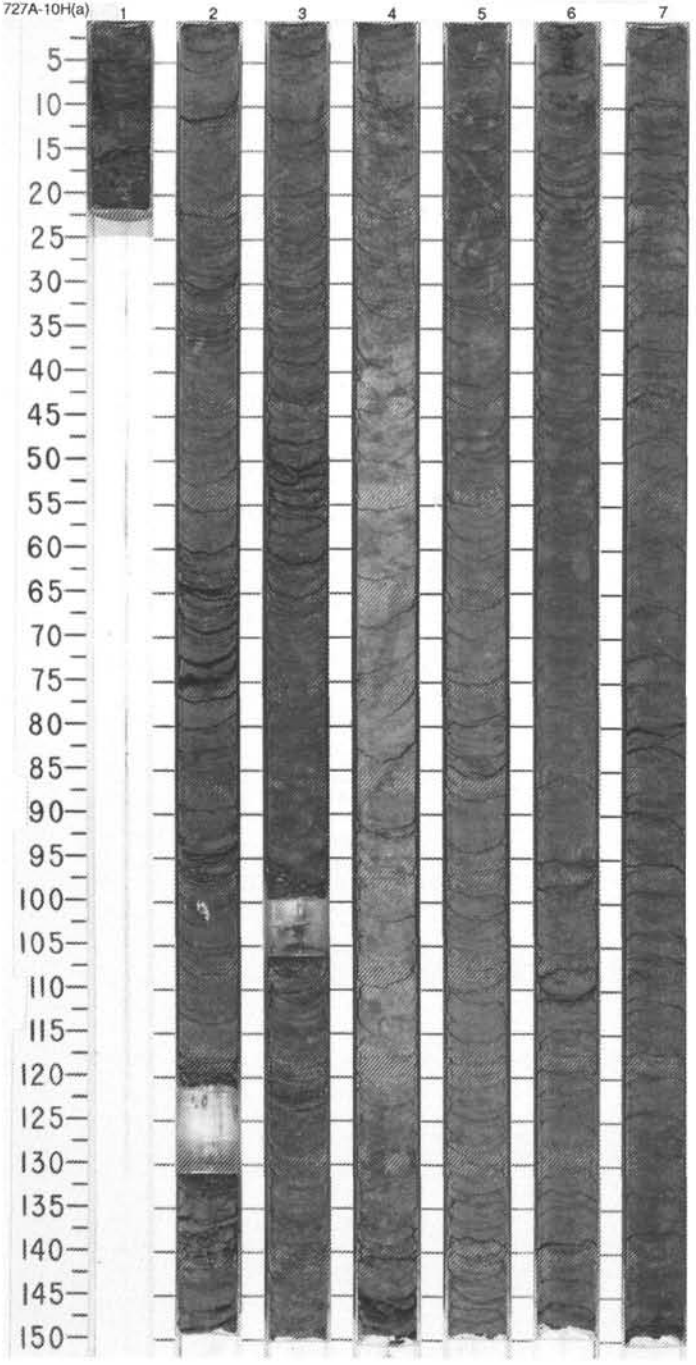
Major lithology: FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) and olive gray (5Y 5/2, 4/2). Bioturbated throughout core.

SMEAR SLIDE SUMMARY (%):

	4, 63 D	6, 119 D
TEXTURE:		
Silt	50	40
Clay	50	60
COMPOSITION:		
Clay	15	20
Foraminifers	10	10
Inorganic calcite	35	20
Nannofossils	30	45
Quartz	10	5

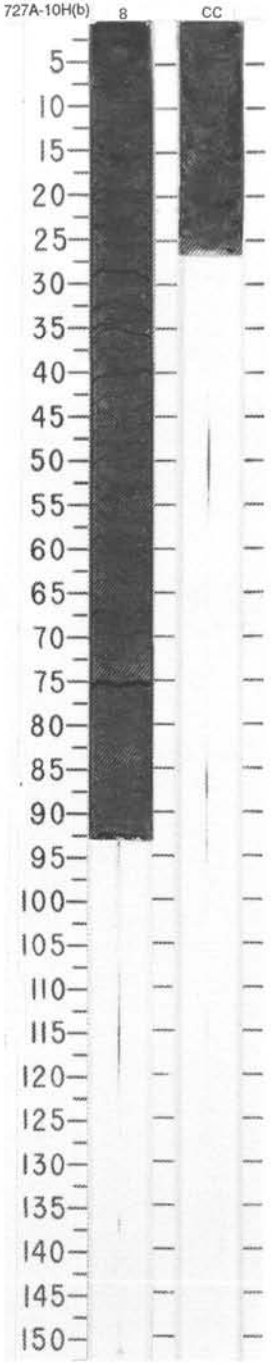
Cont.

727A-10H(a)



SITE 727 HOLE A CORE 10H CORED INTERVAL 1000.6-1010.2 mbsl; 85.8-95.4 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
PLEISTOCENE	*A/G N22	*A/M NN19	*Barren					8	0.5					Cont.
								CC	1.0					



SITE 727 HOLE A CORE 11X CORED INTERVAL 1010.2-1019.8 mbsl; 95.4-105.0 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: *C/G; *A/M; *Barren
- NANNOFOSSILS: N22; NN19 *Pseudoemiliania lacunosa*
- RADIOLARIANS
- DIATOMS

PALEOMAGNETICS: Jaramillo

PHYS. PROPERTIES: ●ϕ=57.3 γ=1.76; ●ϕ=61.0 γ=1.66; ●ϕ=59.0 γ=1.72

CHEMISTRY: ●IC=7.20; ●IC=6.73; ●IC=6.27, OC=1.70

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY: VOID 96.8; VOID 97.05; VOID 97.85; VOID 99.1; VOID 100.0; VOID 100.27; VOID 101.31

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: *

LITHOLOGIC DESCRIPTION

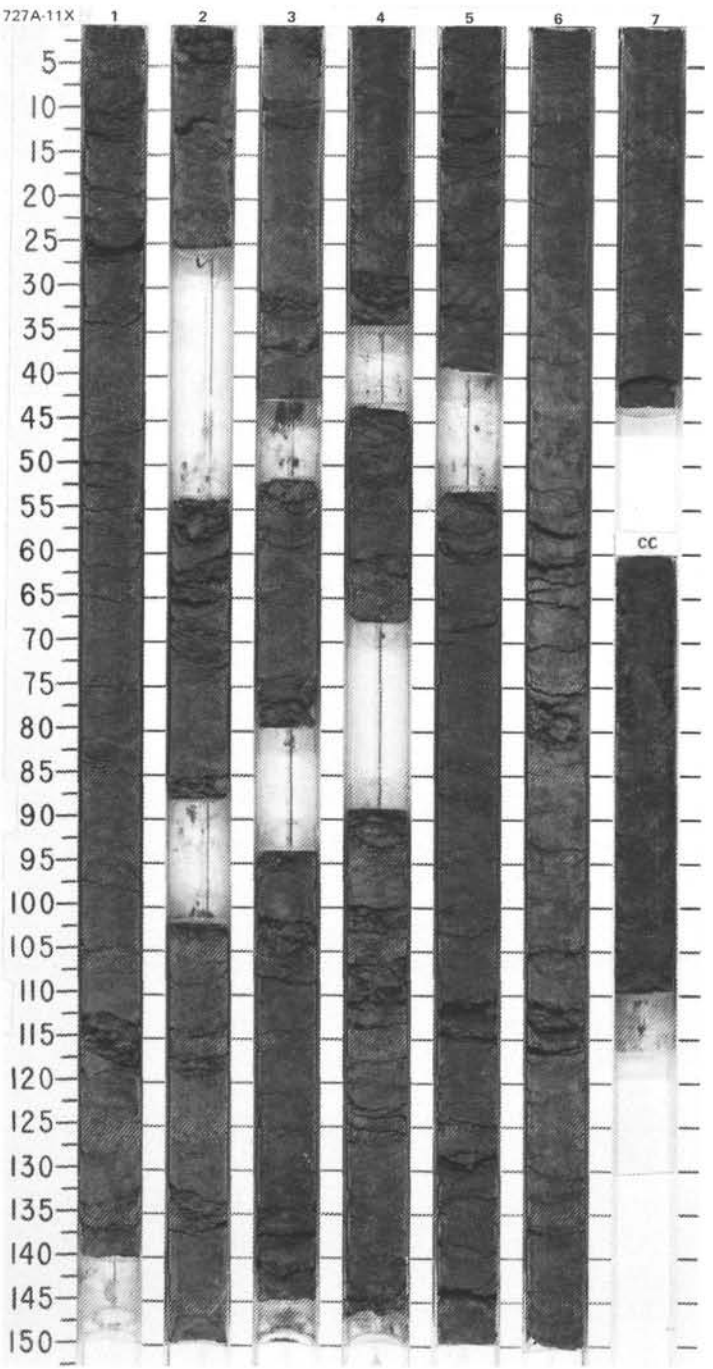
CALCITIC MARLY NANNOFOSSIL OOZE

Section 2 and Section 4, 50-70 cm, are slightly disturbed. Remainder of core is undisturbed.

Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) and olive gray (5Y 4/2). Bioturbation minor to common throughout.

SMEAR SLIDE SUMMARY (%):

	1, 54 D	6, 54 D
TEXTURE:		
Sand	5	10
Silt	25	25
Clay	70	65
COMPOSITION:		
Access. minerals	2	2
Clay	20	15
Dolomite	Tr	1
Fish remains	Tr	
Foraminifers	3	4
Inorganic calcite	15	25
Nannofossils	55	50
Quartz	5	3



SITE 727 HOLE A CORE 12X CORED INTERVAL 1019.8-1029.4 mbsl; 105.0-114.6 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS *C/G; NANNOFOSSILS N22 / NN19 *Pseudoemiliania lacunosa*; RADIOLARIANS *Barren; DIATOMS

PALEOMAGNETICS: Matuyama

PHYS. PROPERTIES: ●ϕ-58.7 γ-1.71; ●ϕ-56.3 γ-1.75; ●ϕ-60.4 γ-1.72

CHEMISTRY: ●IC-7.24; ●IC-7.53; IC-7.77 OC-2.66 ●; IC-7.59 OC-2.14 ●

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY: VOID 108.8; VOID 107.07; VOID 107.49; VOID 108.66; VOID 109.38; VOID 110.67; VOID 111.38

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: *, OG, IW, *

LITHOLOGIC DESCRIPTION

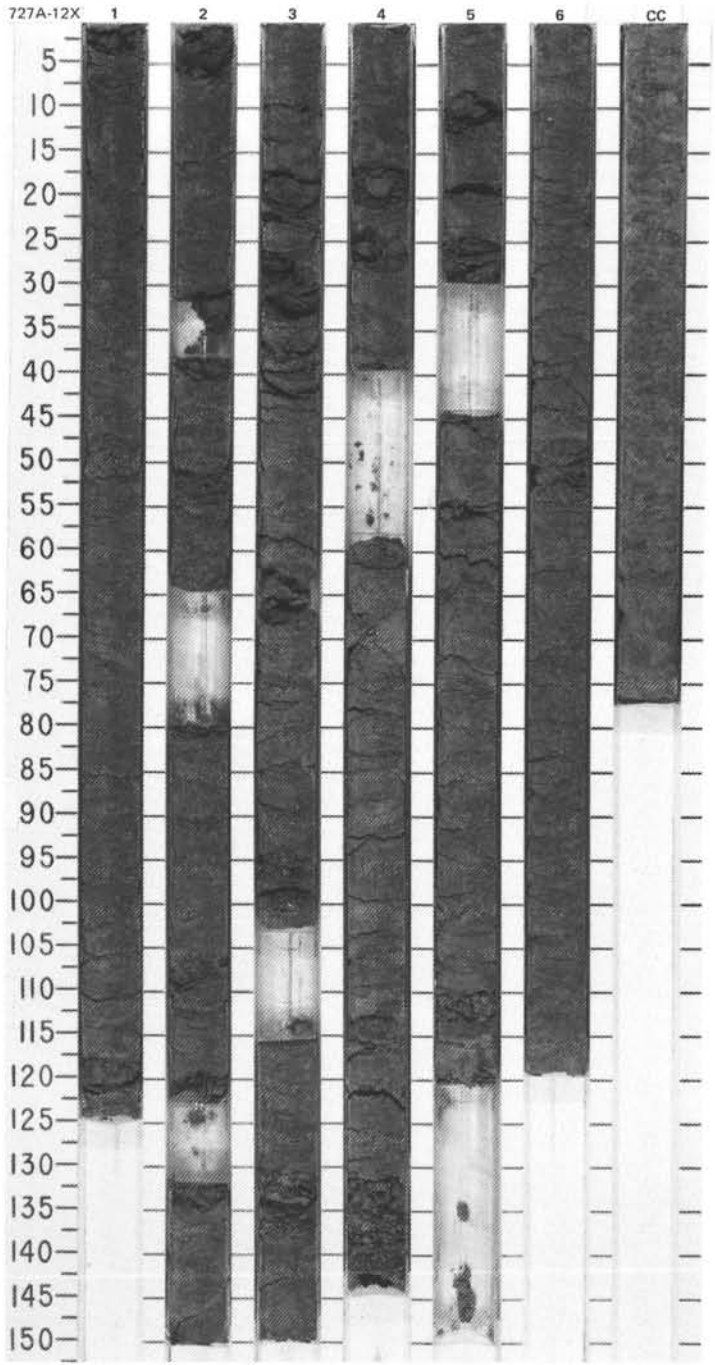
CALCITIC MARLY NANNOFOSSIL OOZE

Sections 1-3 are slightly disturbed. Section 4, 0-90 cm is moderately disturbed. Remainder of core is undisturbed.

Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3), bioturbated.

SMEAR SLIDE SUMMARY (%):

	1, 72 D	6, 72 D
TEXTURE:		
Sand	5	5
Silt	25	30
Clay	70	65
COMPOSITION:		
Access. minerals	3	1
Clay	25	25
Feldspar	1	
Foraminifers	4	3
Inorganic calcite	15	25
Mica	Tr	1
Nannofossils	45	40
Quartz	7	5



SITE 727 HOLE A CORE 13X CORED INTERVAL 1029.4-1039.0 mbsl; 114.6-124.2 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS *A/G; NANNOFOSSILS N22 / NN19 *Pseudoemiliania lacunosa*; RADIOLARIANS *A/M; DIATOMS *Barren

PALEOMAGNETICS

PHYS. PROPERTIES: ●ϕ=58.0 γ=1.77; ●ϕ=60.1 γ=1.71; ●ϕ=60.0 γ=1.67

CHEMISTRY: ●IC=7.12 OC=2.17; ●IC=6.52 OC=1.87; ●IC=6.78; ●IC=7.40

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

VOID 115.2
VOID 115.79
VOID 116.54
VOID 117.04
VOID 117.69
VOID 118.64
VOID 119.54
VOID 120.14
VOID 120.34
VOID 120.74
VOID 120.89
VOID 121.64

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

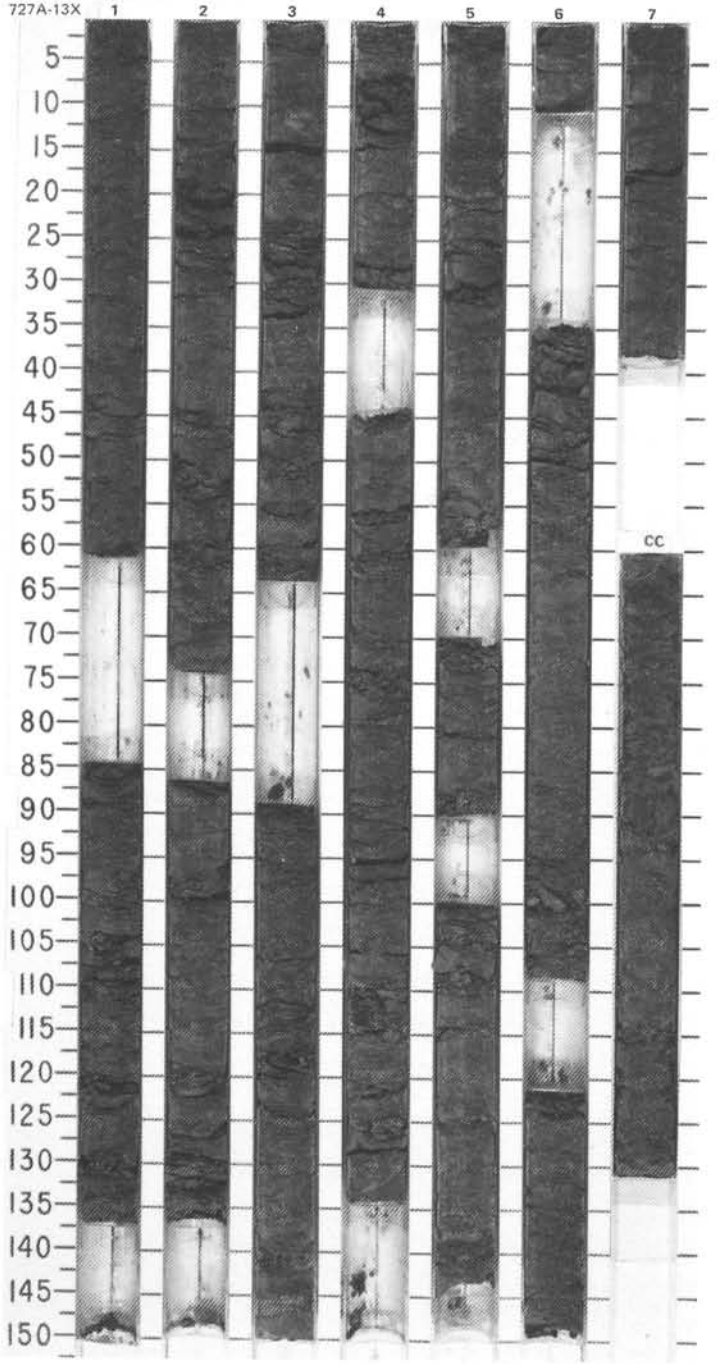
CALCITIC MARLY NANNOFOSSIL OOZE

Sections 1-4 and Section 7 are slightly to moderately disturbed. Remainder of core is undisturbed.

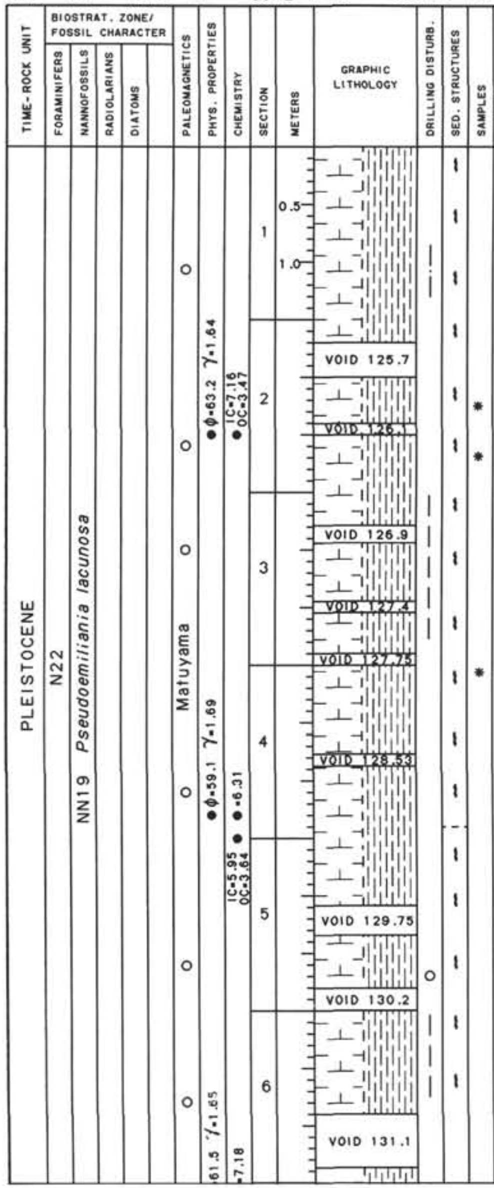
Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3), bioturbated.

SMEAR SLIDE SUMMARY (%):

	1, 58 D	6, 58 D
TEXTURE:		
Sand	10	10
Silt	25	25
Clay	65	65
COMPOSITION:		
Access. minerals	1	1
Clay	25	25
Dolomite	Tr	1
Feldspar	2	1
Foraminifers	4	5
Inorganic calcite	20	20
Nannofossils	40	40
Quartz	8	7



SITE 727 HOLE A CORE 14X CORED INTERVAL 1039.0-1048.7 mbsl; 124.0-133.9 mbsf



LITHOLOGIC DESCRIPTION

CALCITIC MARLY NANNOFOSSIL OOZE

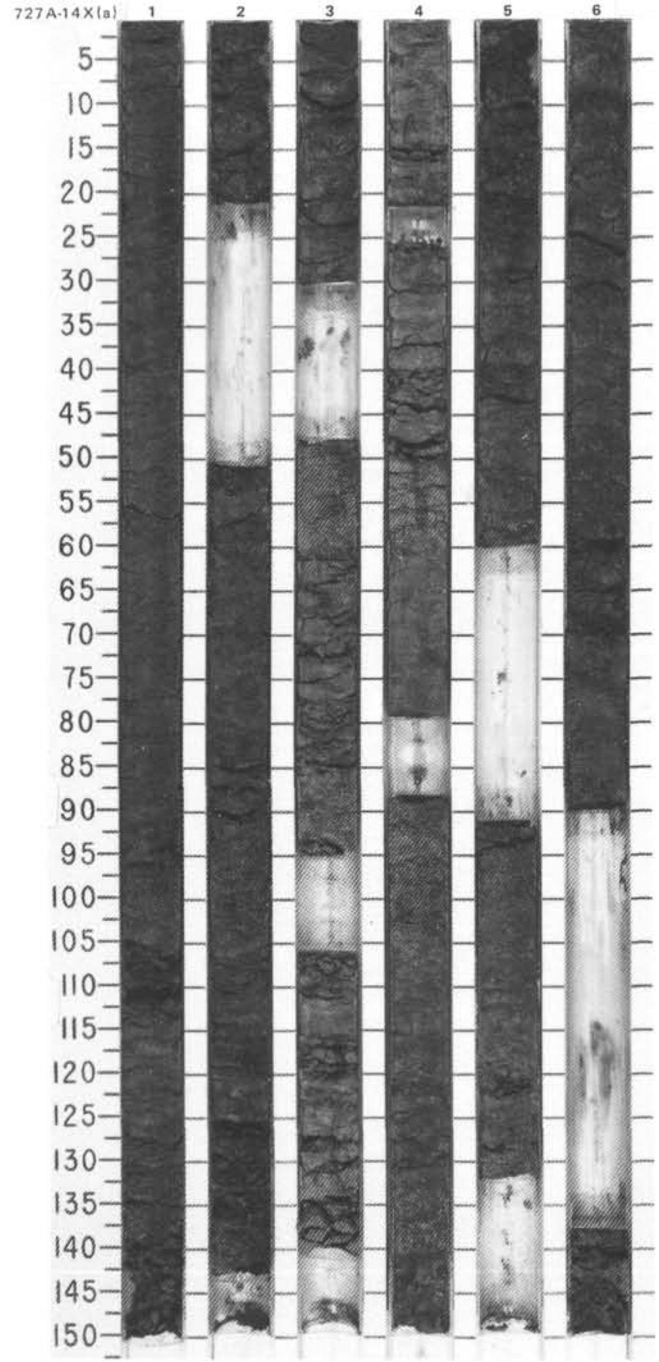
Section 1, 100-150 cm, Section 5, 120-130 cm, and Section 6, 135-150 cm, are moderately to highly disturbed. Section 3, Section 5, 0-60 cm, and Section 7 are slightly disturbed. Remainder of core is undisturbed.

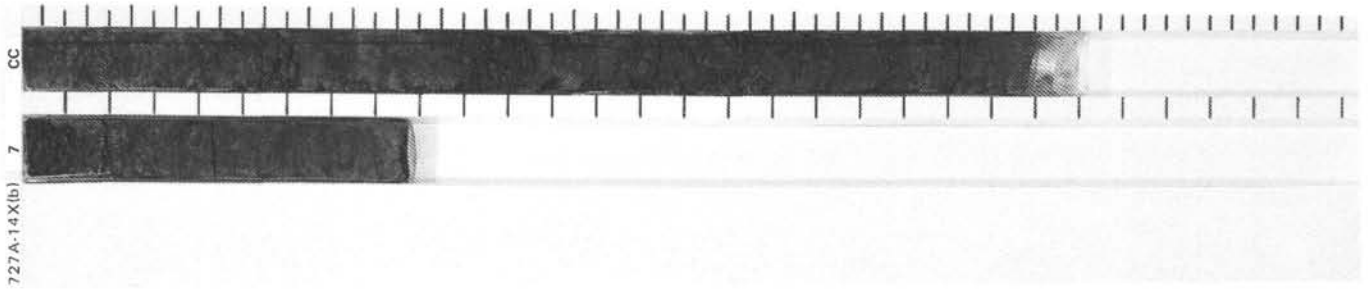
Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) and olive gray (5Y 5/2). Minor to common bioturbation throughout.

Minor lithology: Nannofossil-rich calcitic clayey sand, greenish gray (5GY 5/1), in Section 2, 120-121 cm.

SMEAR SLIDE SUMMARY (%):

	2, 74 D	2, 120 M	4, 3 D
TEXTURE:			
Sand	5	45	20
Silt	30	15	20
Clay	65	40	60
COMPOSITION:			
Access. minerals	2	2	1
Clay	25	20	15
Dolomite	1		
Feldspar		2	1
Foraminifers	5	1	Tr
Inorganic calcite	20	40	33
Nannofossils	40	20	45
Phosphate	Tr		
Quartz	7	15	5
Radiolarians	Tr		
Sponge spicules	Tr		





SITE 727 HOLE A CORE 14X CORED INTERVAL 1039.0-1048.7 mbsl; 124.0-133.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	* A/G	* A/M	* BARREN				IC-7.18●	7						(cont.)
								CC						

SITE 727 HOLE A CORE 15X CORED INTERVAL 1048.7-1058.4 mbsl; 133.9-143.6 mbsf

TIME-ROCK UNIT	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
PLEISTOCENE	N22	NN19 *Pseudoemiliania lacunosa*	unzoned		Matuyama	●Φ=61.6 γ=1.66; ●Φ=60.6 γ=1.64; ●Φ=57.9 γ=1.69	●IC=6.93 OC=4.23; ●IC=6.35; ●IC=7.27 OC=4.96; ●IC=7.24	1, 2, 3, 4, 5, 6, 7, CC	0.5, 1.0	VOID 134.46; VOID 134.92; VOID 135.52; VOID 137.42; VOID 137.69; VOID 137.9; VOID 139.34; VOID 140.79			*; OG IW; *
	*C/M	*A/M	*R/P										

LITHOLOGIC DESCRIPTION

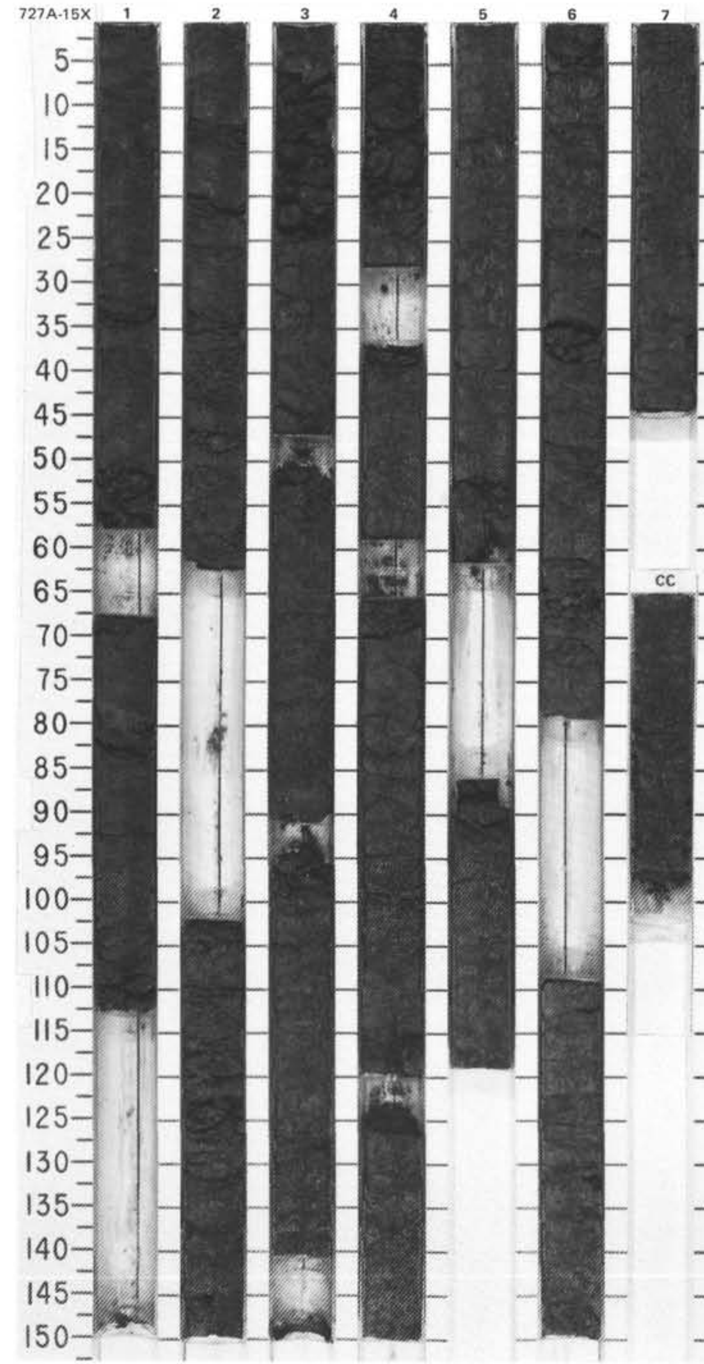
CALCITIC MARLY NANNOFOSSIL OOZE

Sections 2 through 3 and CC are slightly to moderately disturbed. Remainder of core is undisturbed.

Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE, OLIVE (5Y 4/3), with minor to moderate bioturbation in Section 1 to Section 6, 80 cm, and CC.

SMEAR SLIDE SUMMARY (%):

	1, 71 D	6, 75 D
TEXTURE:		
Sand	5	10
Silt	20	30
Clay	75	60
COMPOSITION:		
Quartz	5	100
Feldspar		1
Mica		1
Clay	25	25
Accessory Minerals	2	Tr
Foraminifers	3	1
Nannofossils	50	35
Sponge spicules	Tr	



SITE 727 HOLE A CORE 16X CORED INTERVAL 1058.4-1068.1 mbsl; 143.6-153.3 mbsf

TIME-ROCK UNIT: PLEISTOCENE / PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS: *C/M; NANNOFOSSILS: N22, NN19 *Pseudoemiliania lacunosa*, *A/M -P; RADIOLARIANS: *Barren; DIATOMS

PALEOMAGNETICS

PHYS. PROPERTIES: ●ϕ-58.4 γ-1.66; ●ϕ-54.6 γ-1.81; ●ϕ-57.8 γ-1.70

CHEMISTRY: ●IC=6.37 OC=4.06; ●IC=5.76 OC=2.65; ●-6.30; ●IC=5.53

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

VOID 144.25
VOID 144.71
VOID 145.11
VOID 145.53
VOID 146.23
VOID 147.58
VOID 147.88
VOID 148.18
VOID 148.69
VOID 149.11
VOID 149.55
VOID 149.8
VOID 150.41

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

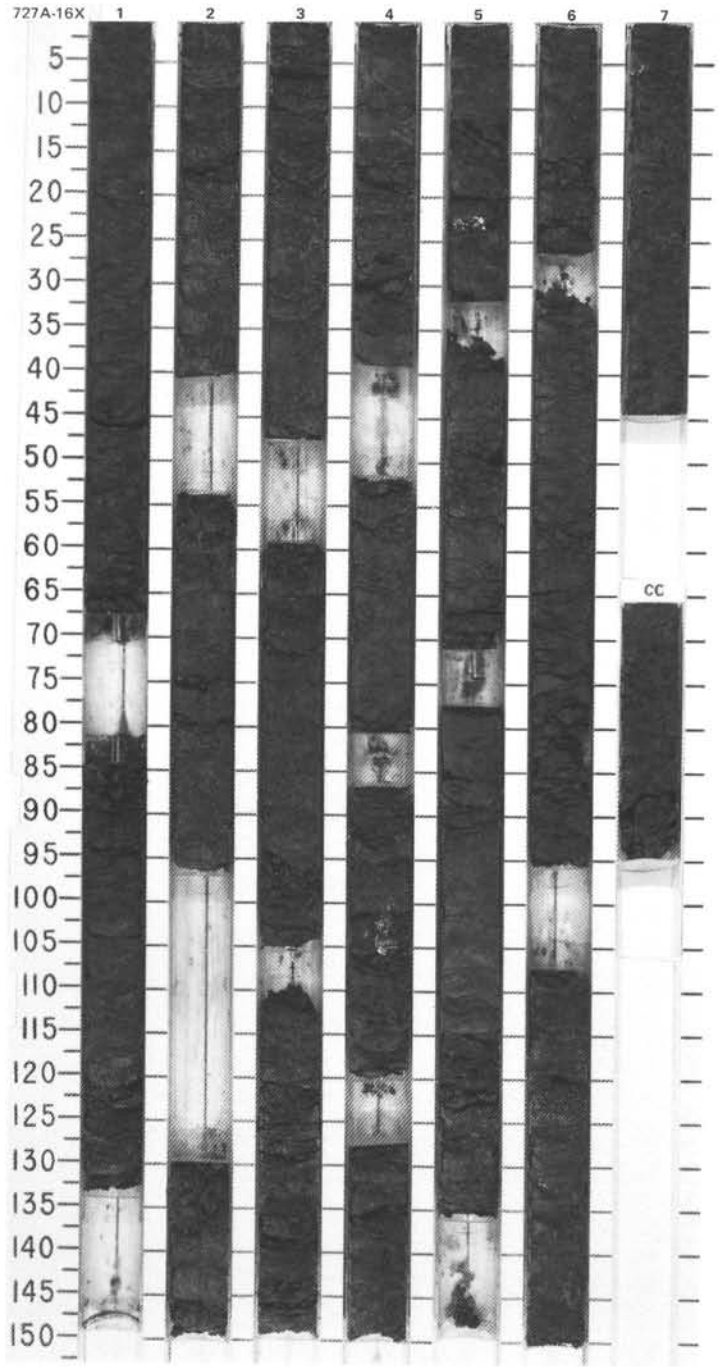
CALCITIC MARLY NANNOFOSSIL OOZE TO FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE

Entire core is slightly to highly disturbed.

Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE to FORAMINIFER-BEARING CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) and olive gray (5Y 5/2, 4/2). Slightly bioturbated throughout. Dispersed shell debris at Section 4, 98-107 cm, Section 5, 15-25 cm, Section 6, 130-135 cm, and CC, 6-8 cm.

SMEAR SLIDE SUMMARY (%):

	1, 59 D	6, 60 D
TEXTURE:		
Sand	10	20
Silt	30	25
Clay	60	55
COMPOSITION:		
Access. minerals	1	2
Clay	25	25
Dolomite	Tr	1
Feldspar	1	
Foraminifers	5	7
Glauconite		Tr
Inorganic calcite	25	25
Nannofossils	35	30
Quartz	8	10
Shell debris		Tr
Sponge spicules	Tr	



SITE 727 HOLE A CORE 17X CORED INTERVAL 1068.1-1077.8 mbsl; 153.3-163.0 mbsf

TIME-ROCK UNIT: PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: * A/M
- NANNOFOSSILS: N22; NN19 *Pseudoemiliania lacunosa*
- RADIOLARIANS: * A/M
- DIATOMS: * R/P

PALEOMAGNETICS: unzoned

PHYS. PROPERTIES: ●ϕ=58.8 γ=1.75; ●ϕ=59.8 γ=1.69; ●ϕ=57.7 γ=1.70

CHEMISTRY: ●IC=5.87 ●OC=2.87; ●IC=6.83 ●OC=4.07 ●IC=6.39; ●IC=5.50

SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
1	0.5	VOID 153.65			*
	1.0	VOID 154.16			
2		VOID 154.93			
		VOID 155.63			
3		VOID 155.63			
		VOID 156.68			
4		VOID 157.05			
		VOID 157.05			
5		VOID 158.44			*
		VOID 159.18			
6		VOID 159.89			
7		VOID 160.51			
CC					

LITHOLOGIC DESCRIPTION

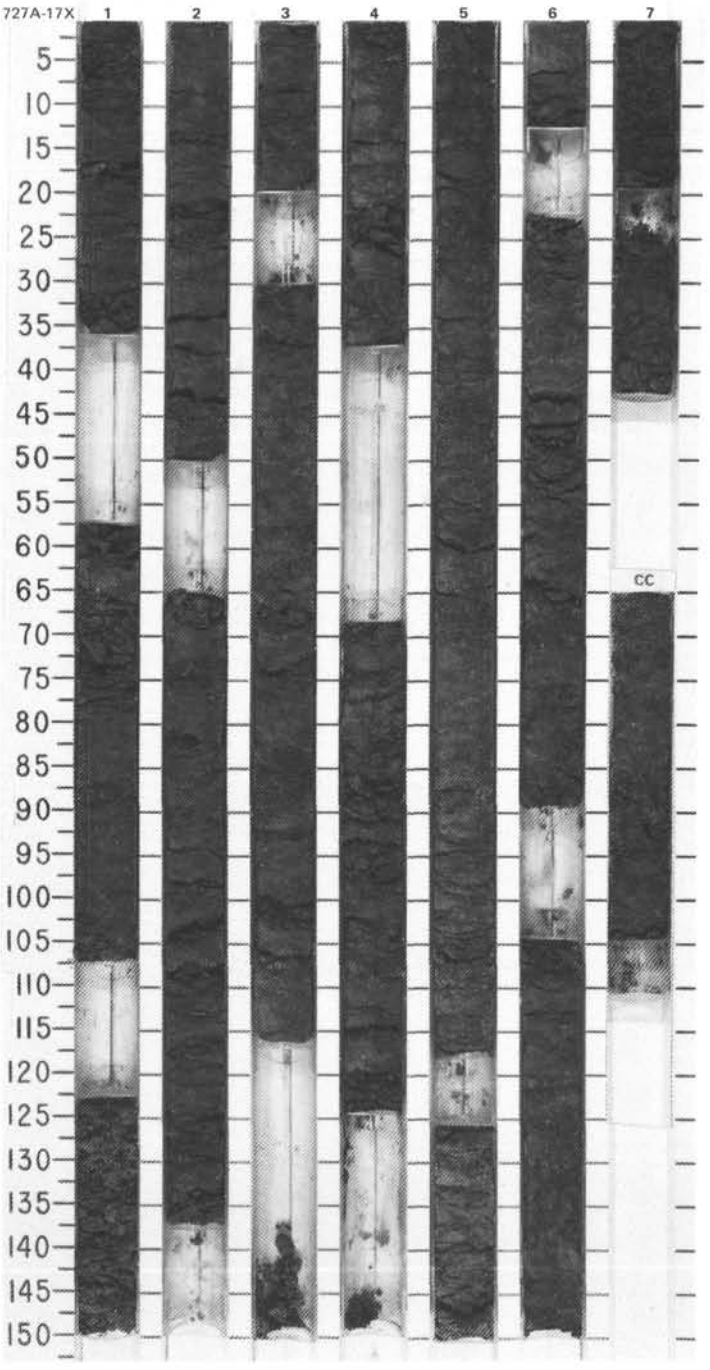
CALCITIC MARLY NANNOFOSSIL OOZE

Sections 1, 3 and 4, 7, and CC are slightly disturbed. Remainder of core is undisturbed.

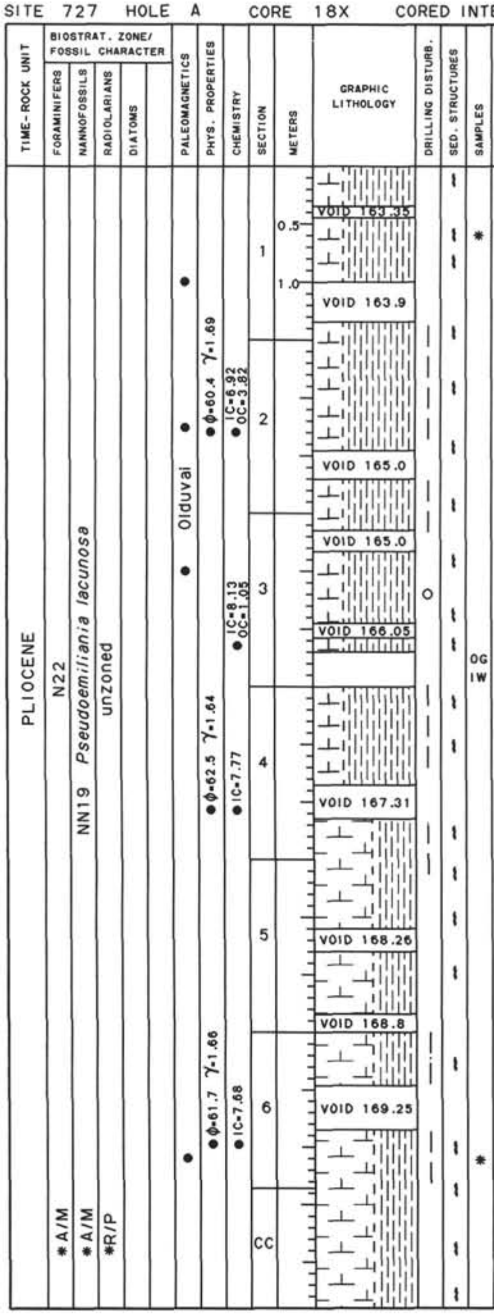
Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3), with minor bioturbation throughout.

SMEAR SLIDE SUMMARY (%):

	1, 80 D	5, 133 D
TEXTURE:		
Sand	15	
Silt	25	30
Clay	60	70
COMPOSITION:		
Access. minerals	1	1
Clay	25	25
Dolomite	1	Tr
Foraminifers	5	Tr
Glauconite	Tr	
Inorganic calcite	25	24
Mica	1	
Nannofossils	35	45
Quartz	7	5



SITE 727 HOLE A CORE 18X CORED INTERVAL 1077.8-1087.5 mbsl; 163.0-172.7 mbsf



LITHOLOGIC DESCRIPTION

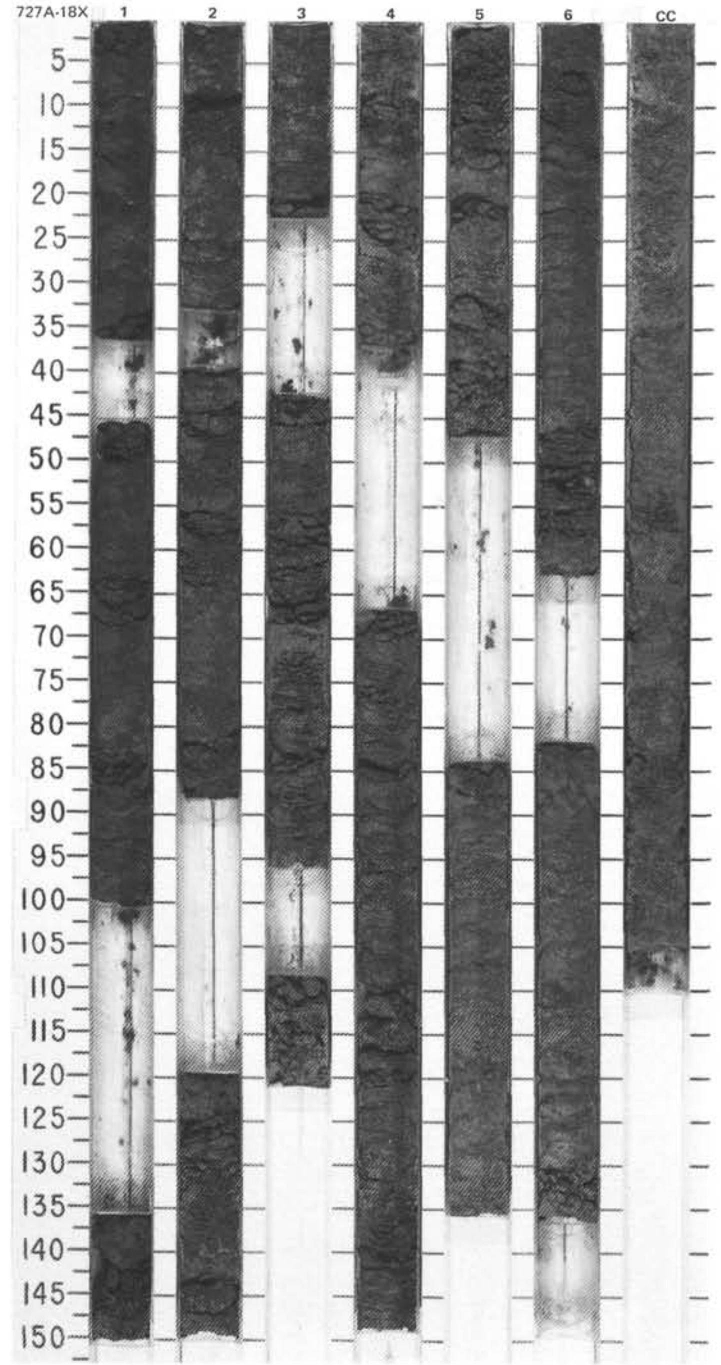
CALCITIC MARLY NANNOFOSSIL OOZE

Section 1, 135 cm, to Section 2, and Sections 4 and 6, are slightly to moderately disturbed. Remainder of core is undisturbed.

Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) and olive gray (5Y 4/2). Minor bioturbation throughout.

SMEAR SLIDE SUMMARY (%):

	1, 60 D	6, 112 D
TEXTURE:		
Sand	20	5
Silt	25	25
Clay	55	70
COMPOSITION:		
Access. minerals	1	1
Clay	25	20
Feldspar	1	
Foraminifers	3	2
Inorganic calcite	30	15
Nannofossils	30	55
Quartz	10	7
Sponge spicules		Tr



TIME-ROCK UNIT: PLIOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER:
- FORAMINIFERS: *F/M; N19-N21
- NANNOFOSSILS: *A/P NN18; NN19 *Pseudoemiliania lacunosa*
- RADIOLARIANS: *R/P; unzoned
- DIATOMS

PALEOMAGNETICS

PHYS. PROPERTIES: ●ϕ=58.8 γ=1.69; ●ϕ=60.6 γ=1.73; ●ϕ=56.0 γ=1.75

CHEMISTRY: ●TC=7.84 OC=2.85; ●TC=7.91 OC=1.95; ●IC=7.39; ●IC=6.34

SECTION / METERS

GRAPHIC LITHOLOGY: VOID 173.3; VOID 174.09; VOID 174.79; VOID 175.81; VOID 176.33; VOID 176.73; VOID 177.46; VOID

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

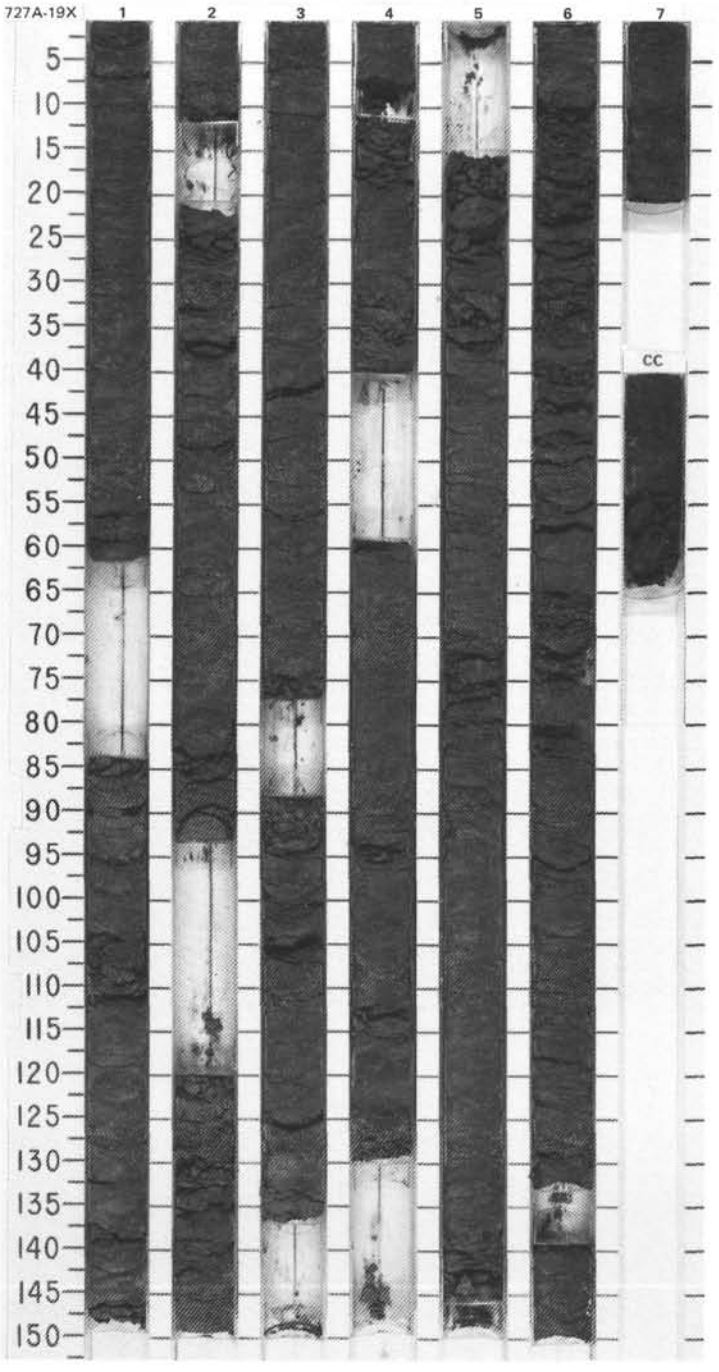
CALCITIC MARLY NANNOFOSSIL OOZE

Sections 4-7 are slightly disturbed. CC is highly disturbed. Sections 1-3 are undisturbed.

Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) and olive gray (5Y 4/2). Minor bioturbation throughout. Dispersed shell debris at Section 6, 143-148 cm.

SMEAR SLIDE SUMMARY (%):

	1, 51 D	5, 63 D
TEXTURE:		
Sand	10	15
Silt	20	25
Clay	70	60
COMPOSITION:		
Access. minerals	1	2
Clay	30	20
Dolomite	Tr	
Feldspar	1	
Foraminifers	2	3
Inorganic calcite	20	25
Mica	Tr	Tr
Nannofossils	40	40
Quartz	6	10
Sponge spicules	Tr	



SITE 727 HOLE B CORE 1H CORED INTERVAL 914.8-923.0 mbsl; 0.0-8.2 mbsf

TIME-ROCK UNIT: PLEISTOCENE to HOLOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS; NANNOFOSSILS: NN21 *Emiliania huxleyi*; RADIOLARIANS; DIATOMS: *A/G

PALEOMAGNETICS

PHYS. PROPERTIES: ● ϕ -66.4 γ-1.57

CHEMISTRY

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES

LITHOLOGIC DESCRIPTION

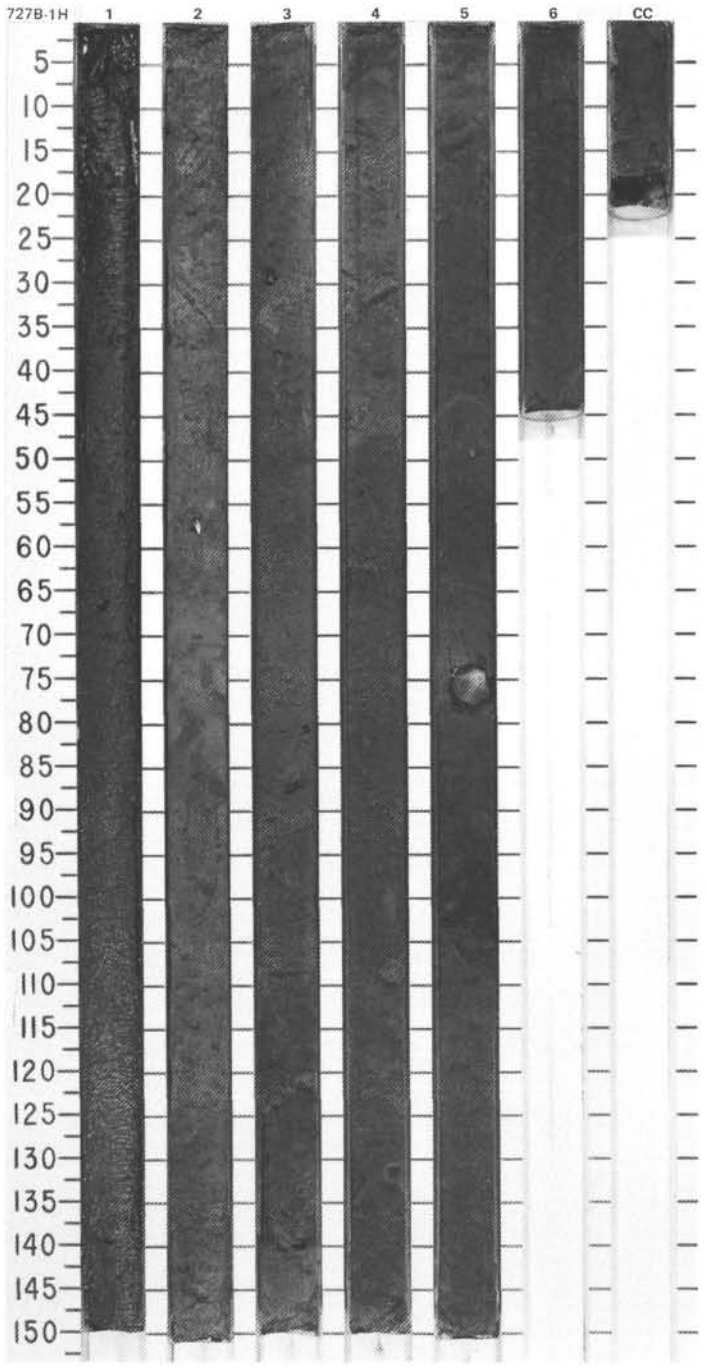
CALCITIC MARLY CALCAREOUS OOZE and CALCITIC MARLY NANNOFOSSIL OOZE

Section 1, 0-5 cm, is moderately disturbed. Remainder of core is undisturbed.

Major lithologies:
a. CALCITIC MARLY CALCAREOUS OOZE, olive gray (5Y 4/2). Section 1. Bioturbated.
b. CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3), in Section 2 to CC; bioturbated. Dispersed shell debris at Section 2, 55-60 cm, Section 3, 7 cm, and CC, 4-5 cm. Whole pelecypod shell at Section 5, 72-78 cm. Section 2 to CC.

SMEAR SLIDE SUMMARY (%):

	1, 69 D	2, 69 D	5, 69 D
TEXTURE:			
Sand	25	15	15
Silt	30	30	30
Clay	45	55	55
COMPOSITION:			
Access. minerals	2	3	2
Clay	20	20	20
Diatoms	4		
Dolomite	1		
Feldspar	2		1
Foraminifers	15	5	2
Volcanic glass		Tr	
Glauconite	Tr		
Inorganic calcite	20	25	25
Nannofossils	25	35	35
Phosphate		Tr	
Quartz	10	12	15
Radiolarians	Tr		
Silicoflagellates	Tr		
Sponge spicules	1		



SITE 727 HOLE B CORE 2H CORED INTERVAL 923.0-932.4 mbsl; 8.2-17.6 mbsf

TIME-ROCK UNIT: PLEISTOCENE

BIOSTRAT. ZONE/FOSSIL CHARACTER: FORAMINIFERS: *A/G; NANNOFOSSILS: NN21 *Emiliania huxleyi*; RADIOLARIANS; DIATOMS

PALEOMAGNETICS

PHYS. PROPERTIES: ● ϕ = 72.8 γ = 1.46

CHEMISTRY

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

METERS: 0.5, 1.0

GRAPHIC LITHOLOGY

DRILLING DISTURB.

SED. STRUCTURES

SAMPLES: *

LITHOLOGIC DESCRIPTION

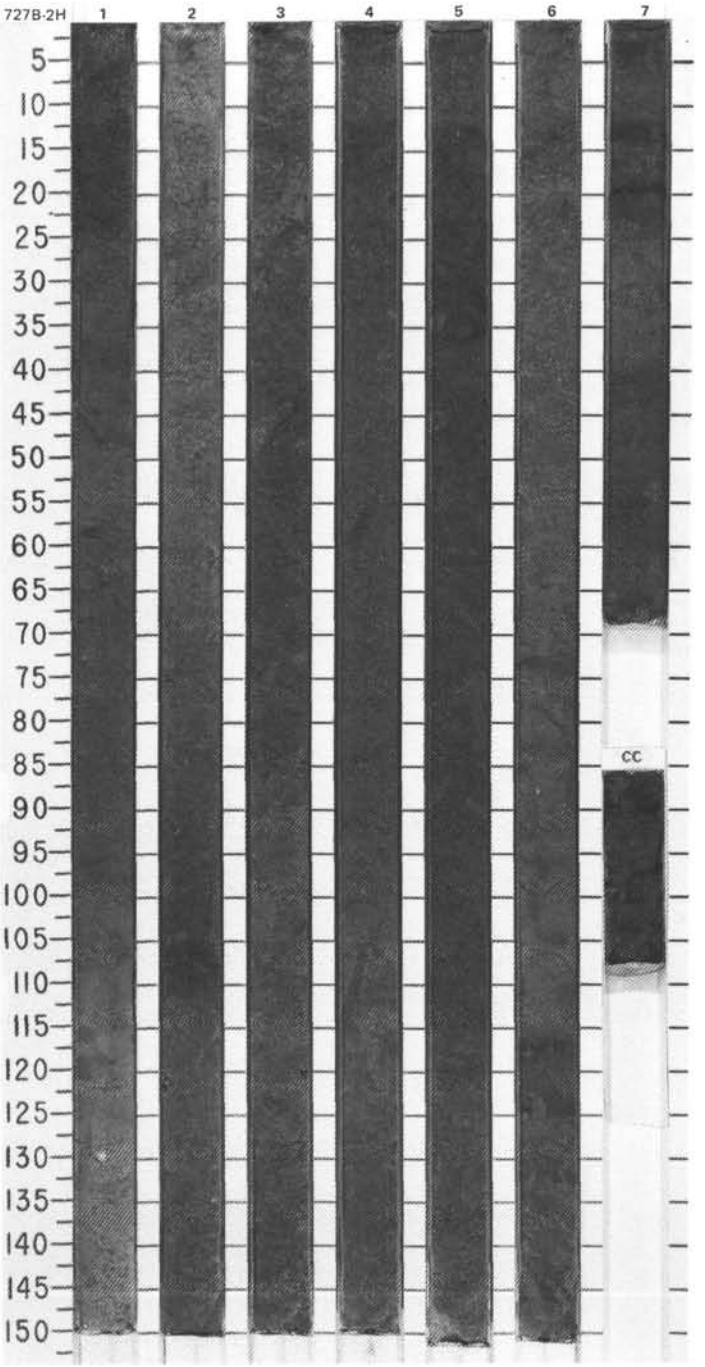
FORAMINIFER-RICH CALCITIC MARLY NANNOFOSSIL OOZE and CALCITIC MARLY NANNOFOSSIL OOZE

Entire core is undisturbed.

Major lithologies:
a. FORAMINIFER-RICH CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3), in Section 1, 0-107 cm; bioturbated. Sparse shell debris.
b. CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) and olive gray (5Y 5/2, 4/2), in Section 1, 107 cm, to CC. Bioturbation common to abundant throughout. Dispersed shell debris throughout. Single small brachiopod(?) valve at Section 1, 129-130 cm.

SMEAR SLIDE SUMMARY (%):

	1, 64 D	6, 64 D
TEXTURE:		
Sand	15	10
Silt	25	20
Clay	60	70
COMPOSITION:		
Access. minerals	2	1
Clay	20	20
Feldspar		Tr
Foraminifers	10	1
Inorganic calcite	20	23
Nannofossils	40	50
Organic debris	2	
Quartz	6	5
Sponge spicules		Tr



SITE 727 HOLE B CORE 3H CORED INTERVAL 932.4-941.9 mbsl: 17.6-27.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
PLEISTOCENE		NN20 *Gephyrocapsa oceanica*				● ϕ=67.3 γ=1.53		1 2 3 4 5 6 7 CC	0.5 1.0				* *

LITHOLOGIC DESCRIPTION

CALCITIC MARLY NANNOFOSSIL OOZE

Entire core is undisturbed.

Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) to olive gray (5Y 4/2); bioturbated.

Minor lithology: Nannofossil-rich calcitic silty clay, dark olive gray (5Y 3/2), in Section 2, 28-41 and 92-103 cm, and Section 4, 58-88 cm. Moderate to abundant bioturbation.

SMEAR SLIDE SUMMARY (%):

	1, 63 D	4, 80 D
TEXTURE:		
Sand	15	20
Silt	30	35
Clay	55	45
COMPOSITION:		
Access. minerals	1	2
Clay	20	25
Feldspar	1	
Foraminifers	3	Tr
Volcanic glass		Tr
Inorganic calcite	30	30
Nannofossils	35	20
Organic debris		5
Quartz	10	18