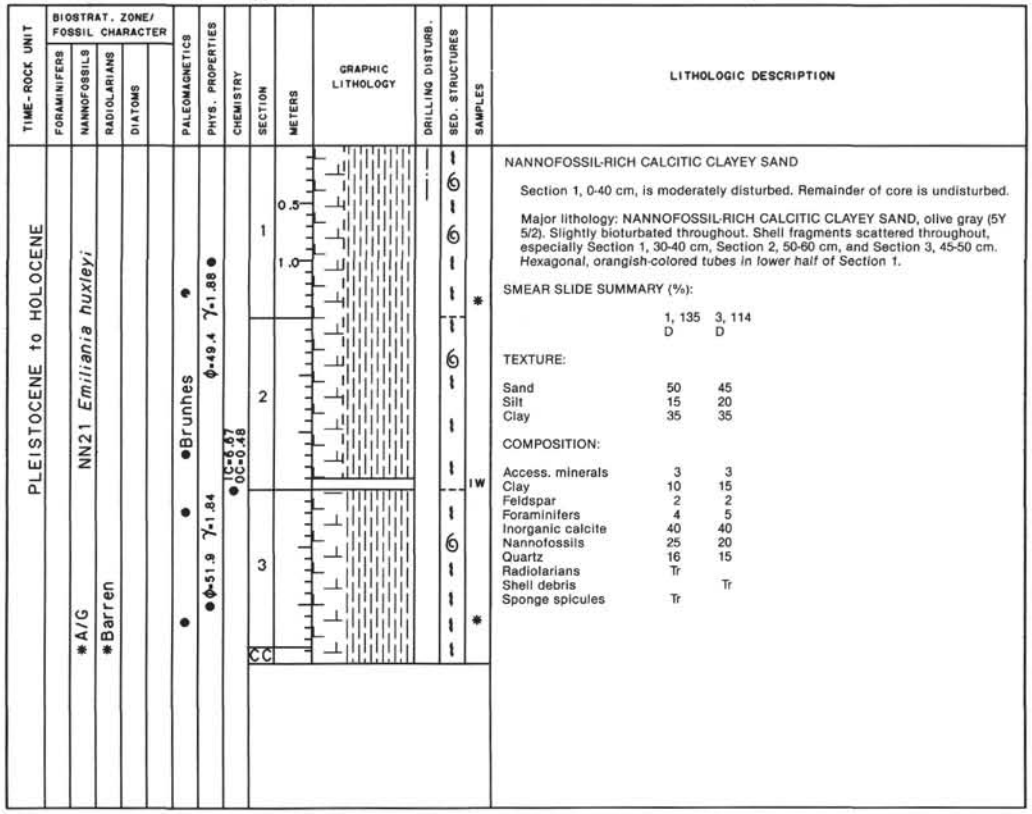
SITE 725 HOLE A CORE 1H CORED INTERVAL 311.5-316.0 mbsl; 0.0-4.5 mbsf



LITHOLOGIC DESCRIPTION

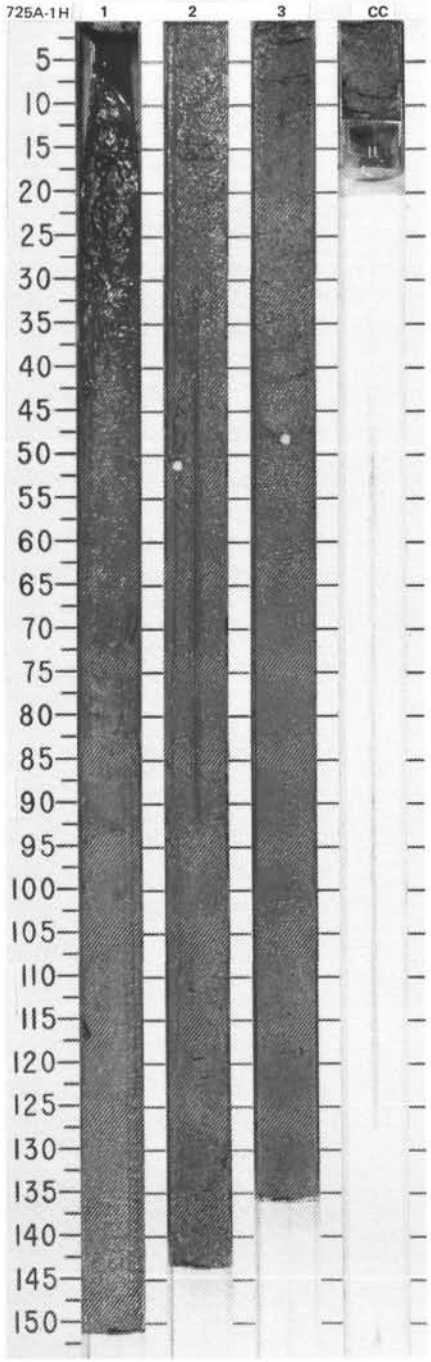
NANNOFOSSIL-RICH CALCITIC CLAYEY SAND

Section 1, 0-40 cm, is moderately disturbed. Remainder of core is undisturbed.

Major lithology: NANNOFOSSIL-RICH CALCITIC CLAYEY SAND, olive gray (5Y 5/2). Slightly bioturbated throughout. Shell fragments scattered throughout, especially Section 1, 30-40 cm, Section 2, 50-60 cm, and Section 3, 45-50 cm. *Hexagonal, orangish-colored tubes in lower half of Section 1.*

SMEAR SLIDE SUMMARY (%):

	1, 135 D	3, 114 D
TEXTURE:		
Sand	50	45
Silt	15	20
Clay	35	35
COMPOSITION:		
Access. minerals	3	3
Clay	10	15
Feldspar	2	2
Foraminifers	4	5
Inorganic calcite	40	40
Nannofossils	25	20
Quartz	16	15
Radiolarians	Tr	
Shell debris		Tr
Sponge spicules	Tr	



SITE 725 HOLE B CORE 1X CORED INTERVAL 310.5-318.0 mbsl; 0.0-7.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
PLEISTOCENE to HOLOCENE	NN21 *Emiliania huxleyi*	A/G*	R/M* unzoned					CC	1				*	

CALCITIC MARLY CALCAREOUS OOZE

CC very disturbed to soupy.

Major lithology: CALCITIC MARLY CALCAREOUS OOZE, olive (5Y 4/3). Fine-grained shell debris dispersed throughout.

SMEAR SLIDE SUMMARY (%):

	CC, 18 D
TEXTURE:	
Sand	45
Silt	25
Clay	30
COMPOSITION:	
Access. minerals	2
Clay	15
Feldspar	2
Foraminifers	20
Volcanic glass	1
Inorganic calcite	30
Nannofossils	15
Quartz	15

SITE 725 HOLE B CORE 2X CORED INTERVAL 318.0-327.6 mbsl; 7.5-17.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
PLEISTOCENE	NN21 *Emiliania huxleyi*	A/M*	Barren*					CC	1				*	

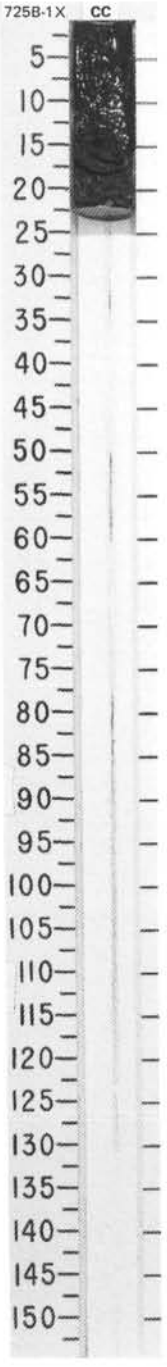
CALCITIC MARLY CALCAREOUS OOZE

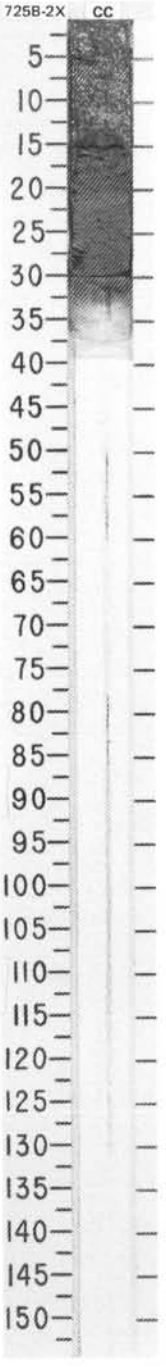
CC slightly disturbed to undisturbed.

Major lithology: CALCITIC MARLY CALCAREOUS OOZE, olive gray (5Y 4/2). Slightly bioturbated throughout.

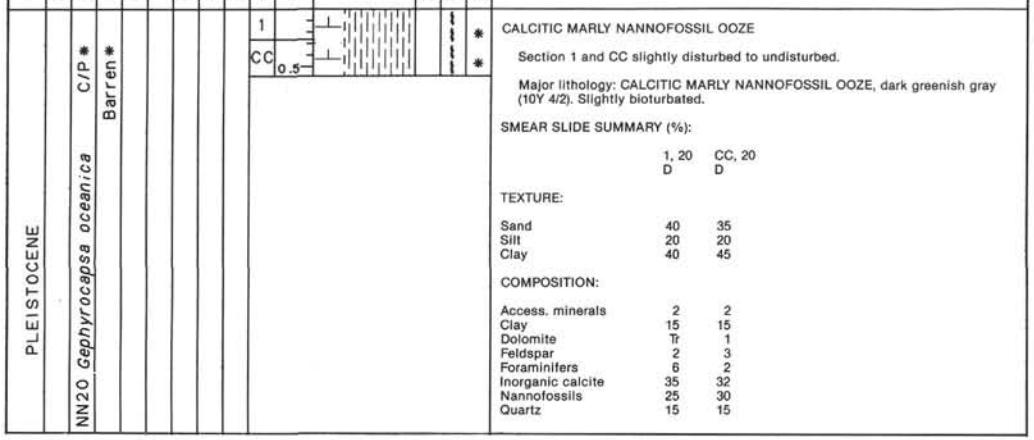
SMEAR SLIDE SUMMARY (%):

	CC, 22 D
TEXTURE:	
Sand	35
Silt	25
Clay	40
COMPOSITION:	
Access. minerals	3
Clay	15
Dolomite	Tr
Feldspar	2
Foraminifers	10
Glauconite	Tr
Inorganic calcite	30
Nannofossils	25
Phosphate	Tr
Quartz	15





SITE 725 HOLE B CORE 3X CORED INTERVAL 327.6-337.1 mbsl; 17.1-26.6 mbsf



CALCITIC MARLY NANNOFOSSIL OOZE

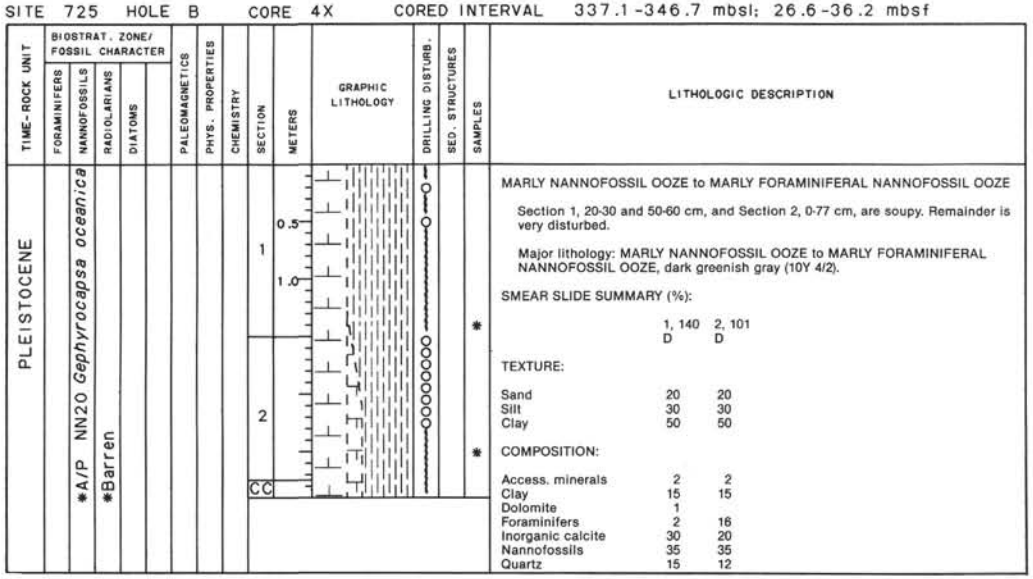
Section 1 and CC slightly disturbed to undisturbed.

Major lithology: CALCITIC MARLY NANNOFOSSIL OOZE, dark greenish gray (10Y 4/2). Slightly bioturbated.

SMEAR SLIDE SUMMARY (%):

	1, 20 D	CC, 20 D
TEXTURE:		
Sand	40	35
Silt	20	20
Clay	40	45
COMPOSITION:		
Access. minerals	2	2
Clay	15	15
Dolomite	Tr	1
Feldspar	2	3
Foraminifers	6	2
Inorganic calcite	35	32
Nannofossils	25	30
Quartz	15	15

SITE 725 HOLE B CORE 4X CORED INTERVAL 337.1-346.7 mbsl; 26.6-36.2 mbsf



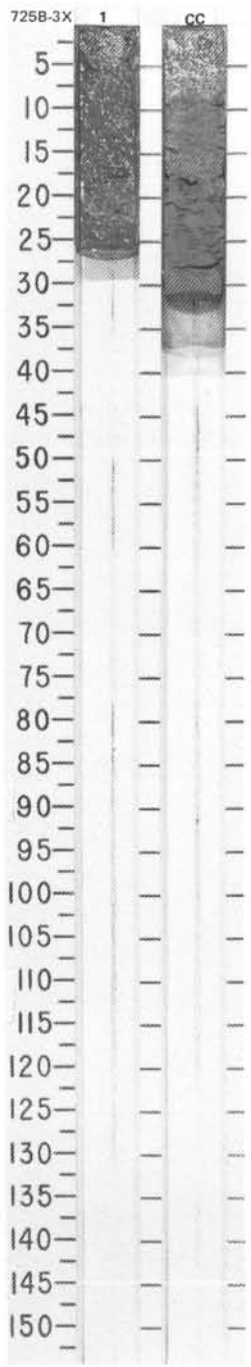
MARLY NANNOFOSSIL OOZE to MARLY FORAMINIFERAL NANNOFOSSIL OOZE

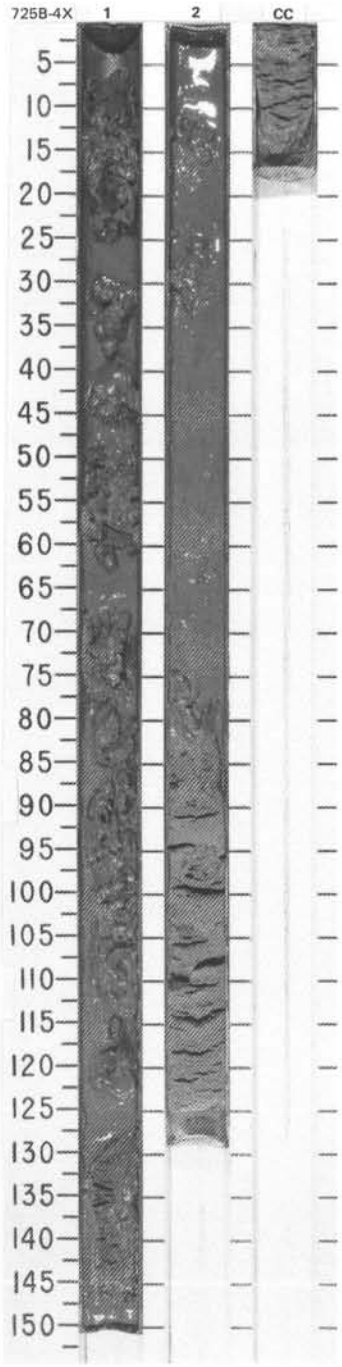
Section 1, 20-30 and 50-60 cm, and Section 2, 0-77 cm, are soupy. Remainder is very disturbed.

Major lithology: MARLY NANNOFOSSIL OOZE to MARLY FORAMINIFERAL NANNOFOSSIL OOZE, dark greenish gray (10Y 4/2).

SMEAR SLIDE SUMMARY (%):

	1, 140 D	2, 101 D
TEXTURE:		
Sand	20	20
Silt	30	30
Clay	50	50
COMPOSITION:		
Access. minerals	2	2
Clay	15	15
Dolomite	1	
Foraminifers	2	16
Inorganic calcite	30	20
Nannofossils	35	35
Quartz	15	12





SITE 725 HOLE B CORE 5X CORED INTERVAL 346.7-356.2 mbsl; 36.2-45.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES
PLEISTOCENE		NN20 *Gephyrocapsa oceanica* *A/P	*Barren			● φ=46.9 γ=1.97	● IC=6.82 OC=0.22	1, 2, CC	0.5, 1.0	VOID 36.39	○	6, 6	*, IW

LITHOLOGIC DESCRIPTION

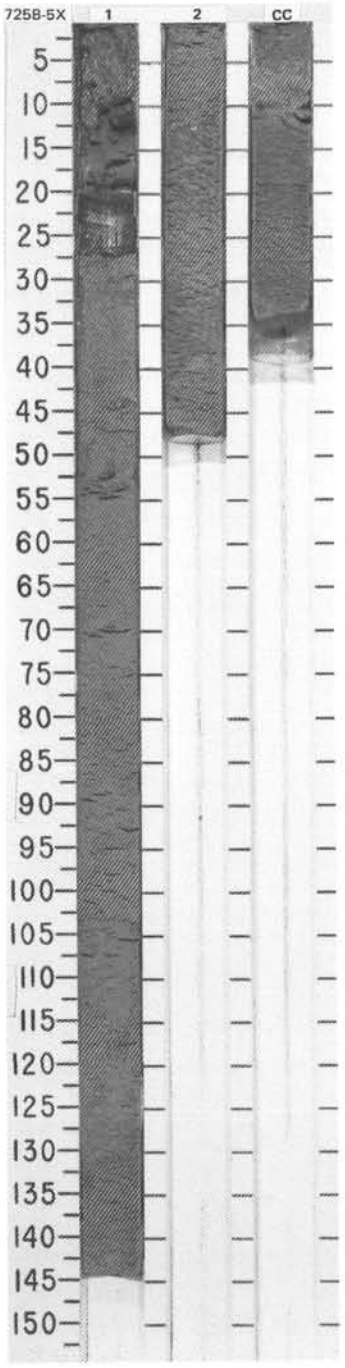
MARLY NANNOFOSSIL OOZE

Section 1, 0-19 cm, is very disturbed. Remainder is undisturbed.

Major lithology: MARLY NANNOFOSSIL OOZE, dark greenish gray (10Y 5/2). Slightly bioturbated throughout. Shell fragments abundant at Section 1, 114-116 and 134-136 cm.

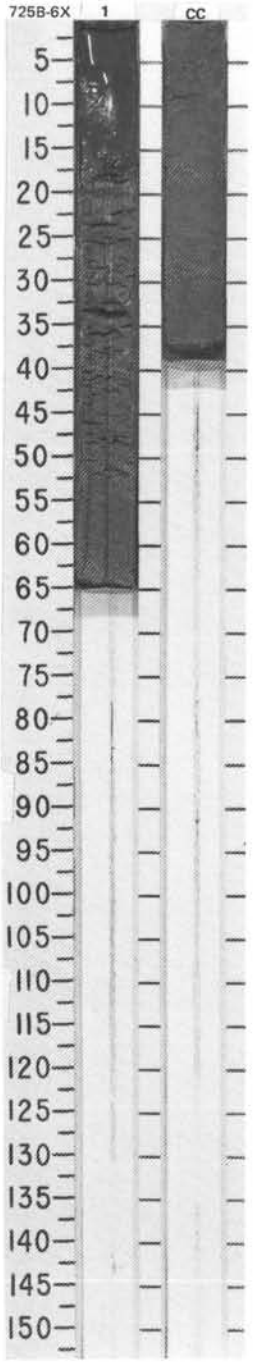
SMEAR SLIDE SUMMARY (%):

	1, 98 D
TEXTURE:	
Sand	15
Silt	20
Clay	65
COMPOSITION:	
Access. minerals	2
Clay	15
Dolomite	Tr
Foraminifers	3
Glauconite	Tr
Inorganic calcite	20
Mica	Tr
Nannofossils	50
Quartz	10



SITE 725 HOLE B CORE 6X CORED INTERVAL 356.2-365.8 mbsl; 45.7-55.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
PLEISTOCENE	NN19 *Pseudoemiliania lacunosa*	A/P*	Barren*			ϕ=40.4 γ=2.04 ●		1 CC	0.5				*	MARLY NANNOFOSSIL OOZE Section 1, 0-20 cm, is soupy. CC is undisturbed. Remainder is moderately disturbed. Major lithology: MARLY NANNOFOSSIL OOZE, dark greenish gray (10Y 5/2), with minor bioturbation throughout. SMEAR SLIDE SUMMARY (%): 1, 51 D TEXTURE: Sand 30 Silt 25 Clay 45 COMPOSITION: Access. minerals 2 Clay 15 Dolomite Tr Foraminifers 3 Inorganic calcite 30 Nannofossils 30 Quartz 20



SITE 725 HOLE B CORE 7X CORED INTERVAL 365.8-375.4 mbsl; 55.3-64.9 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
PLEISTOCENE		NN19 *Pseudoemiliania lacunosa* * A/P	* Barren		● Brunhes ●			1, 2, CC	0.5, 1.0			1, 1, 1	*

LITHOLOGIC DESCRIPTION

MARLY FORAMINIFERAL-NANNOFOSSIL OOZE

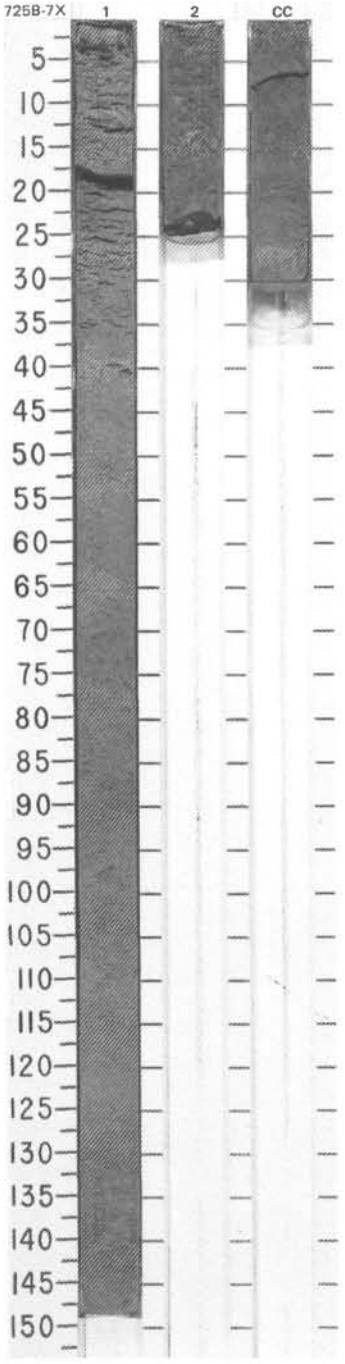
Entire core is undisturbed.

Major lithology: MARLY FORAMINIFERAL-NANNOFOSSIL OOZE, olive (5Y 4/3), faintly mottled. Slight bioturbation in Section 1. Shell debris at Section 1, 80-90 and 125-130 cm. Abundant benthic foraminifers at Section 1, 75-150 cm.

SMEAR SLIDE SUMMARY (%):

	1, 100 D
TEXTURE:	
Sand	30
Silt	35
Clay	35
COMPOSITION:	
Access. minerals	5
Clay	10
Dolomite	5
Foraminifers	20
Inorganic calcite	10
Nannofossils	40
Quartz	10

CORE 117–725B–8X NO RECOVERY



SITE 725 HOLE B CORE 9X CORED INTERVAL 385.0-394.6 mbsl; 74.5-84.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
PLEISTOCENE	NN19 *Pseudoemiliania lacunosa*	*A/M	*Barren		●			1, CC	0.5				*	NANNOFOSSIL-RICH CALCITIC CLAYEY SILT

Entire core is undisturbed.
Major lithology: NANNOFOSSIL-RICH CALCITIC CLAYEY SILT, olive gray (5Y 4/2). Slightly bioturbated.

SMEAR SLIDE SUMMARY (%):

	1
	20
	D

TEXTURE:

Silt	50
Clay	60

COMPOSITION:

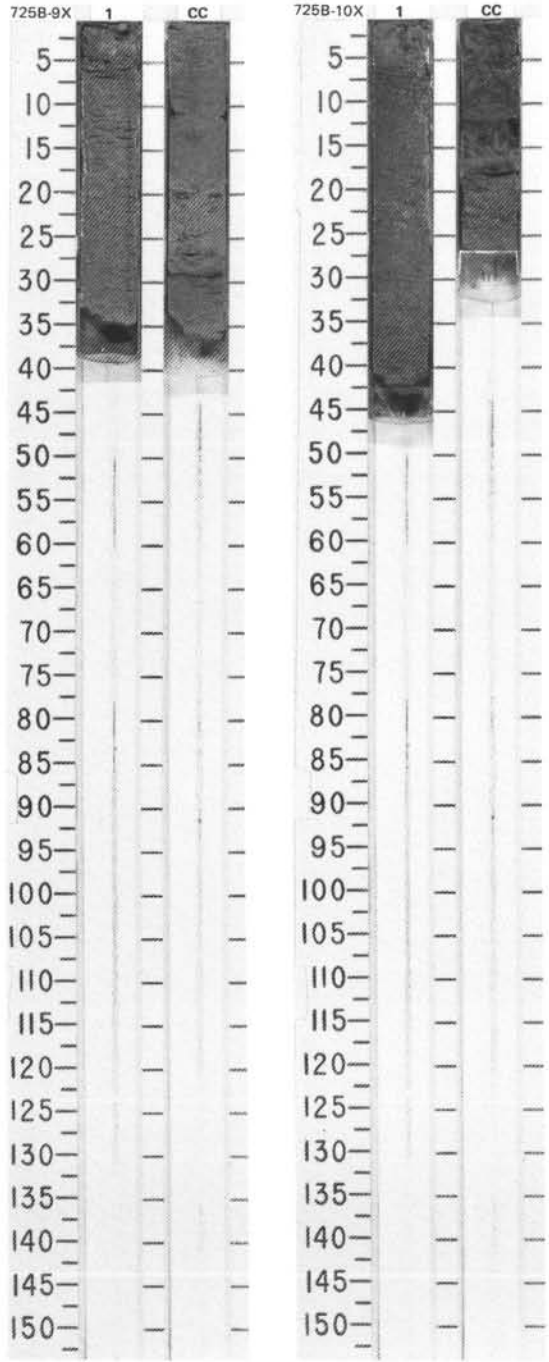
Access. minerals	2
Clay	30
Dolomite	1
Foraminifers	2
Inorganic calcite	35
Nannofossils	20
Quartz	10

SITE 725 HOLE B CORE 10X CORED INTERVAL 394.6-404.3 mbsl; 84.1-93.8 mbsf

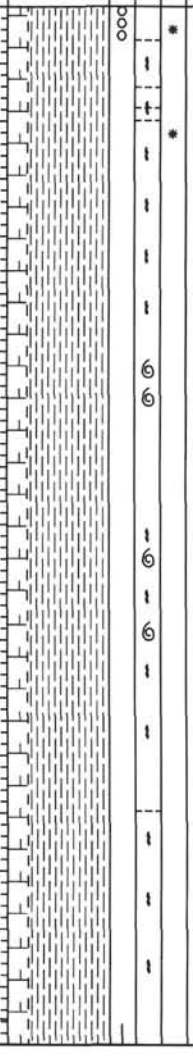
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
PLEISTOCENE	NN19 *Pseudoemiliania lacunosa*	*A/M-G	*Barren		Brunhes ●			1, CC	0.5					NANNOFOSSIL-RICH CALCITIC CLAYEY SILT

Entire core is undisturbed.

Major lithology: NANNOFOSSIL-RICH CALCITIC CLAYEY SILT, olive gray (5Y 4/2). Slightly bioturbated throughout.



SITE 725 HOLE C CORE 1H CORED INTERVAL 310.5-319.5 mbsl; 0.0-9.0 mbsf



LITHOLOGIC DESCRIPTION

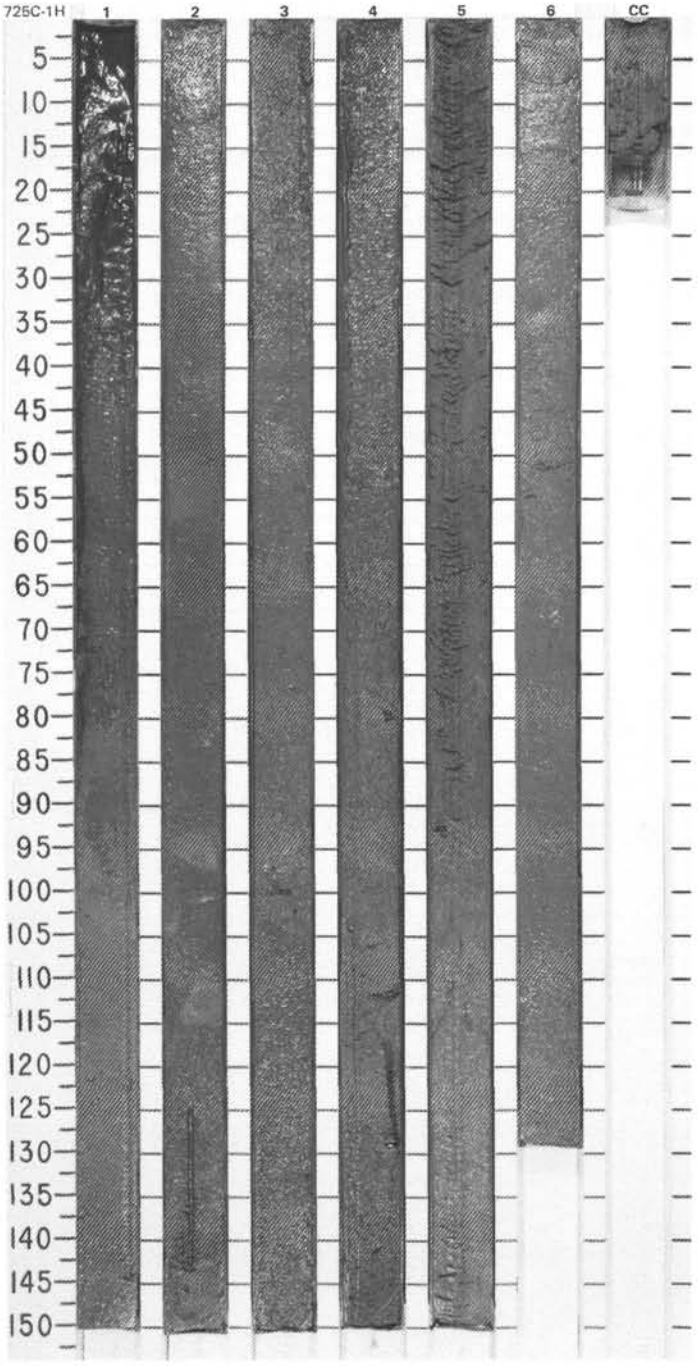
CALCAREOUS CALCITIC CLAYEY SILT to NANNOFOSSIL-RICH CLAYEY SILT

Section 1, 0-25 cm, is soupy. CC is slightly disturbed. Remainder is undisturbed.

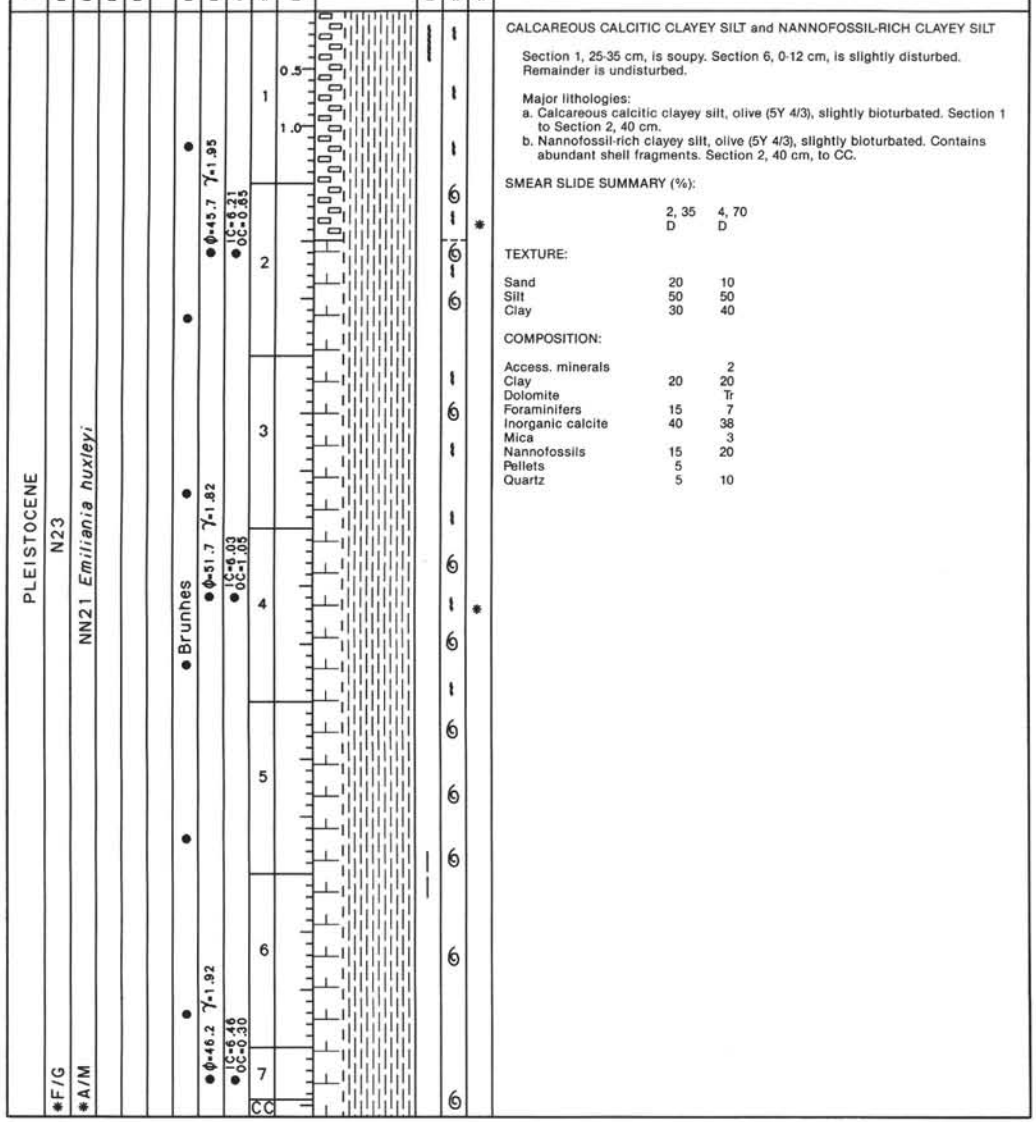
Major lithology: CALCAREOUS CALCITIC CLAYEY SILT to NANNOFOSSIL-RICH CLAYEY SILT, olive (5Y 4/3) to olive gray (5Y 4/2). Slightly bioturbated throughout. Shell fragments dispersed throughout, abundant at Section 3, 22 and 43 cm, and Section 4, 45 and 95 cm.

SMEAR SLIDE SUMMARY (%):

	1, 20 D	1, 111 D
TEXTURE:		
Sand	10	20
Silt	50	45
Clay	40	35
COMPOSITION:		
Access. minerals		Tr
Clay	20	20
Dolomite		Tr
Foraminifers	15	
Inorganic calcite	40	55
Nannofossils	10	15
Pellets	10	
Quartz	5	10



SITE 725 HOLE C CORE 2H CORED INTERVAL 319.5-329.1 mbsl; 9.0-18.6 mbsf



LITHOLOGIC DESCRIPTION

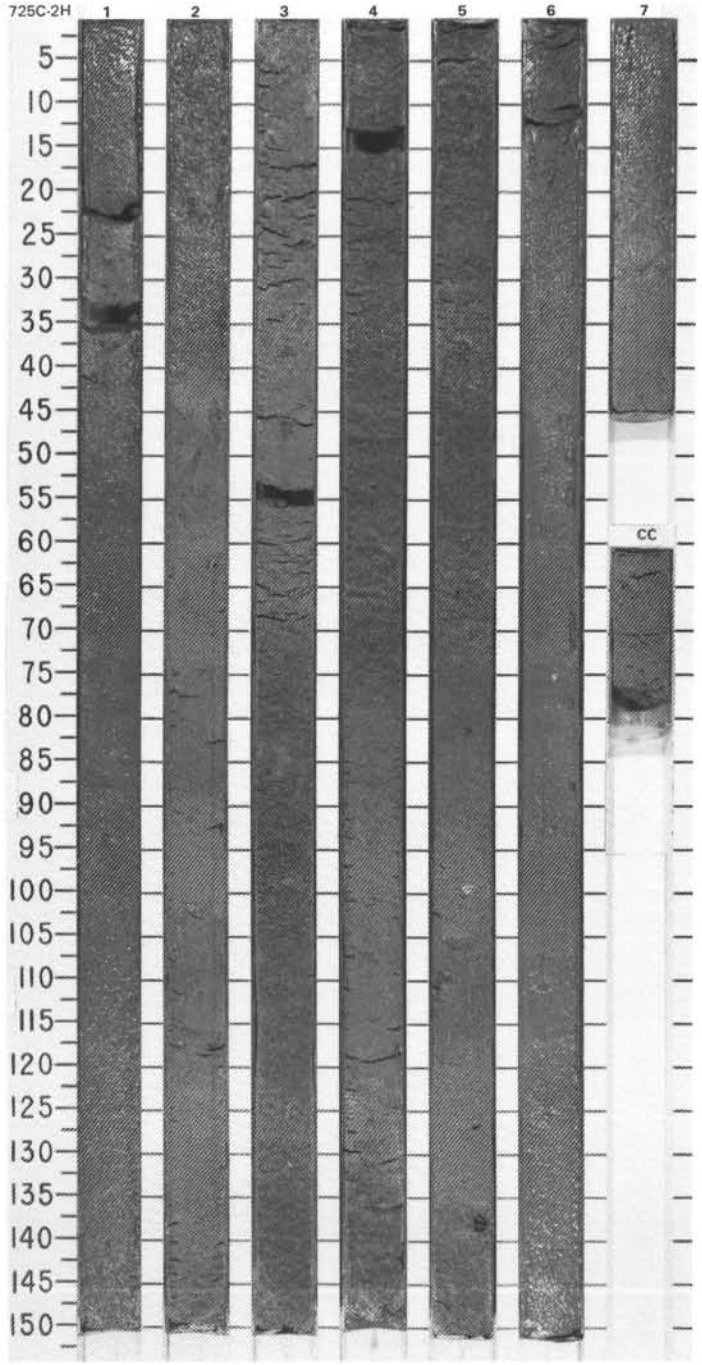
CALCAREOUS CALCITIC CLAYEY SILT and NANNOFOSSIL-RICH CLAYEY SILT

Section 1, 25-35 cm, is soupy. Section 6, 0-12 cm, is slightly disturbed. Remainder is undisturbed.

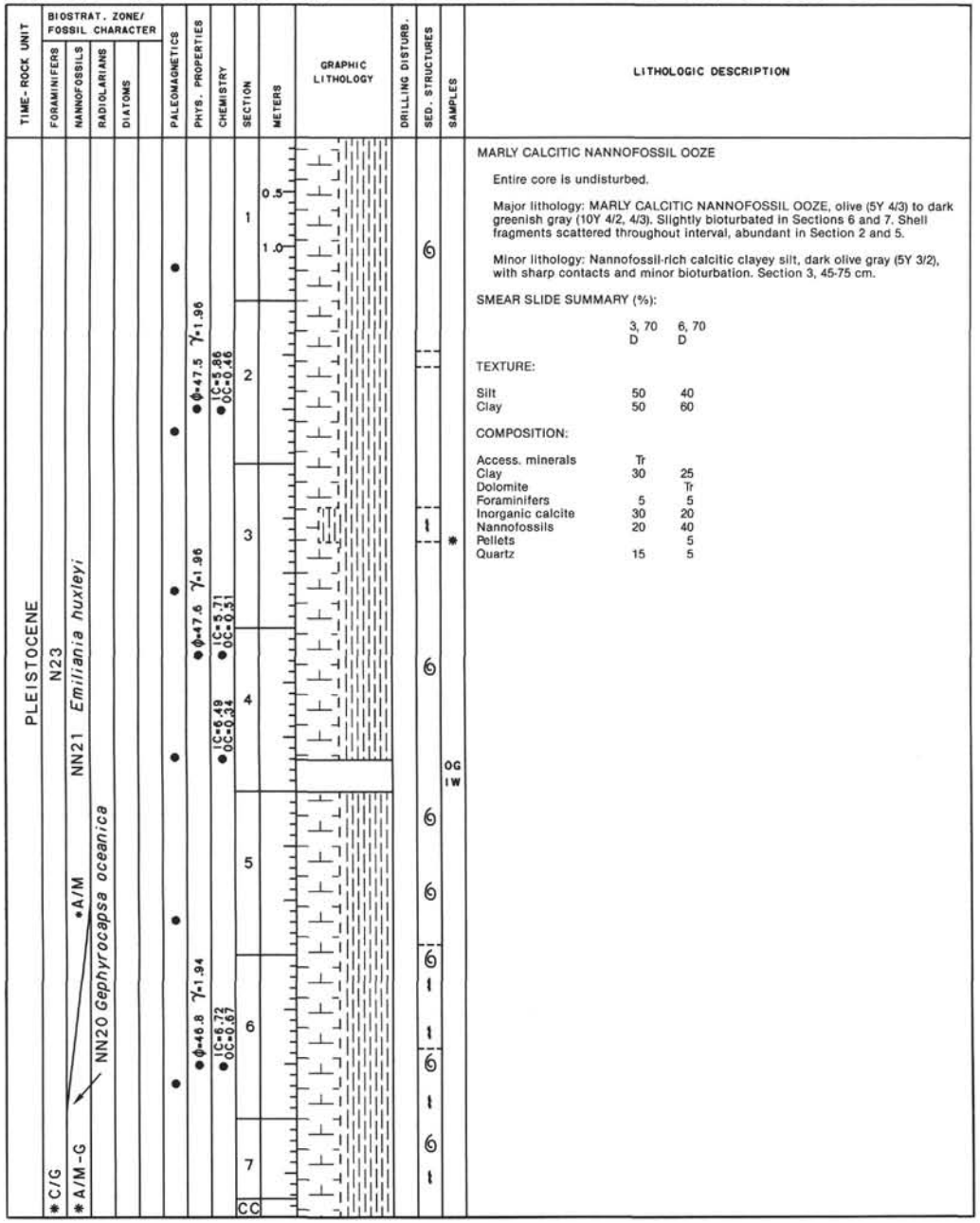
Major lithologies:
a. Calcareous calcitic clayey silt, olive (5Y 4/3), slightly bioturbated. Section 1 to Section 2, 40 cm.
b. Nannofossil-rich clayey silt, olive (5Y 4/3), slightly bioturbated. Contains abundant shell fragments. Section 2, 40 cm, to CC.

SMEAR SLIDE SUMMARY (%):

	2, 35 D	4, 70 D
TEXTURE:		
Sand	20	10
Silt	50	50
Clay	30	40
COMPOSITION:		
Access. minerals		2
Clay	20	20
Dolomite		Tr
Foraminifers	15	7
Inorganic calcite	40	38
Mica		3
Nannofossils	15	20
Pellets	5	
Quartz	5	10



SITE 725 HOLE C CORE 3H CORED INTERVAL 329.1-339.0 mbsl; 18.6-28.5 mbsf



LITHOLOGIC DESCRIPTION

MARLY CALCITIC NANNOFOSSIL OOZE

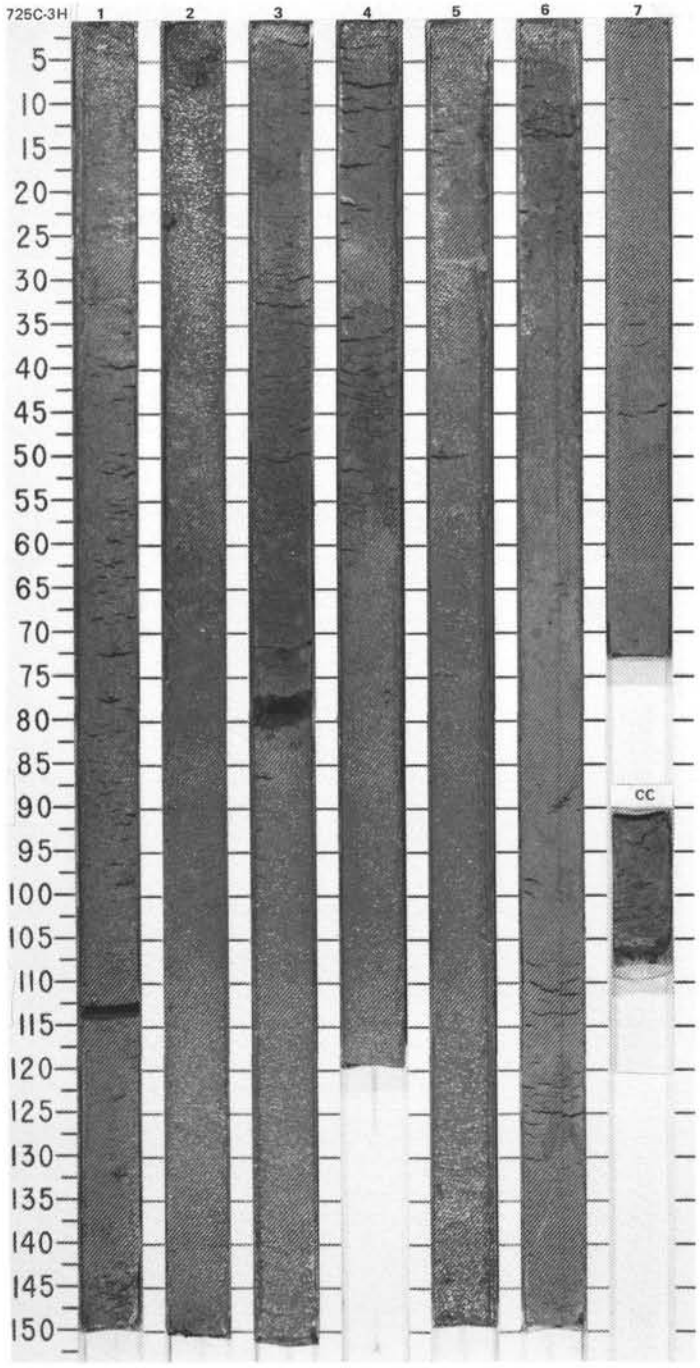
Entire core is undisturbed.

Major lithology: MARLY CALCITIC NANNOFOSSIL OOZE, olive (5Y 4/3) to dark greenish gray (10Y 4/2, 4/3). Slightly bioturbated in Sections 6 and 7. Shell fragments scattered throughout interval, abundant in Section 2 and 5.

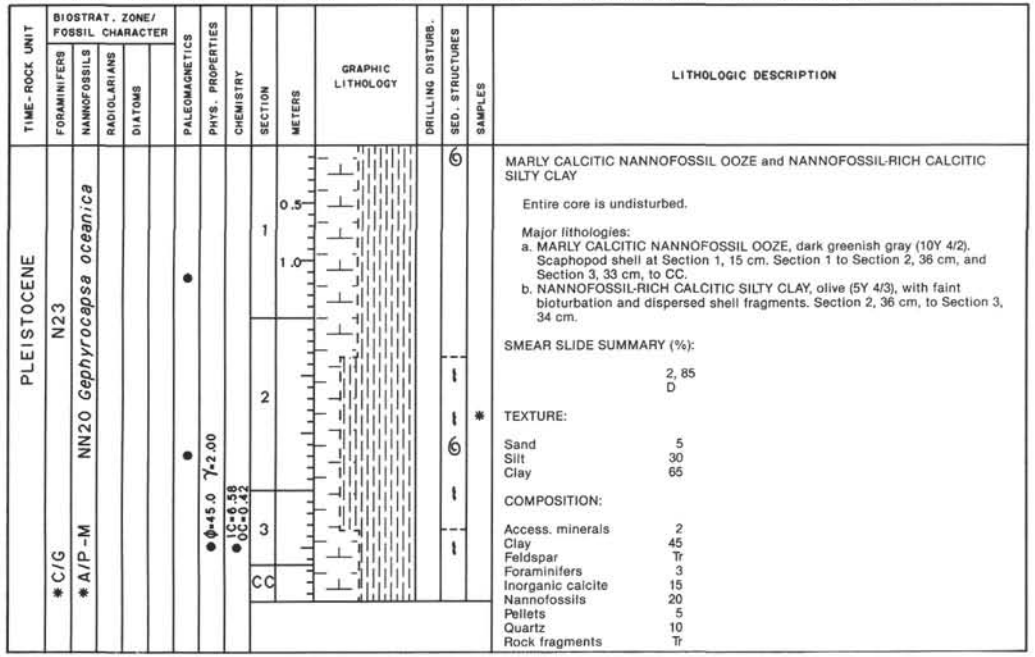
Minor lithology: Nannofossil-rich calcitic clayey silt, dark olive gray (5Y 3/2), with sharp contacts and minor bioturbation. Section 3, 45-75 cm.

SMEAR SLIDE SUMMARY (%):

	3, 70 D	6, 70 D
TEXTURE:		
Silt	50	40
Clay	50	60
COMPOSITION:		
Access. minerals	Tr	
Clay	30	25
Dolomite		Tr
Foraminifers	5	5
Inorganic calcite	30	20
Nannofossils	20	40
Pellets		5
Quartz	15	5



SITE 725 HOLE C CORE 4X CORED INTERVAL 339.0-348.5 mbsl; 28.5-38.0 mbsf



LITHOLOGIC DESCRIPTION

MARLY CALCITIC NANNOFOSSIL OOZE and NANNOFOSSIL-RICH CALCITIC SILTY CLAY

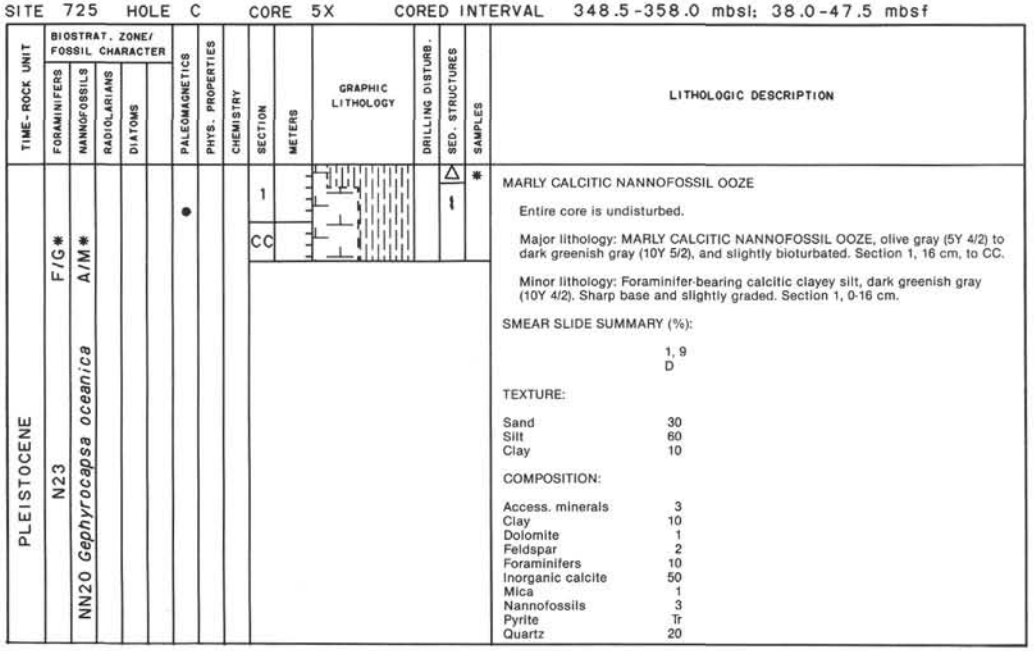
Entire core is undisturbed.

Major lithologies:
a. MARLY CALCITIC NANNOFOSSIL OOZE, dark greenish gray (10Y 4/2). Scaphopod shell at Section 1, 15 cm. Section 1 to Section 2, 36 cm, and Section 3, 33 cm, to CC.
b. NANNOFOSSIL-RICH CALCITIC SILTY CLAY, olive (5Y 4/3), with faint bioturbation and dispersed shell fragments. Section 2, 36 cm, to Section 3, 34 cm.

SMEAR SLIDE SUMMARY (%):

	2, 85
	D
TEXTURE:	
Sand	5
Silt	30
Clay	65
COMPOSITION:	
Access. minerals	2
Clay	45
Feldspar	Tr
Foraminifers	3
Inorganic calcite	15
Nannofossils	20
Pellets	5
Quartz	10
Rock fragments	Tr

SITE 725 HOLE C CORE 5X CORED INTERVAL 348.5-358.0 mbsl; 38.0-47.5 mbsf



LITHOLOGIC DESCRIPTION

MARLY CALCITIC NANNOFOSSIL OOZE

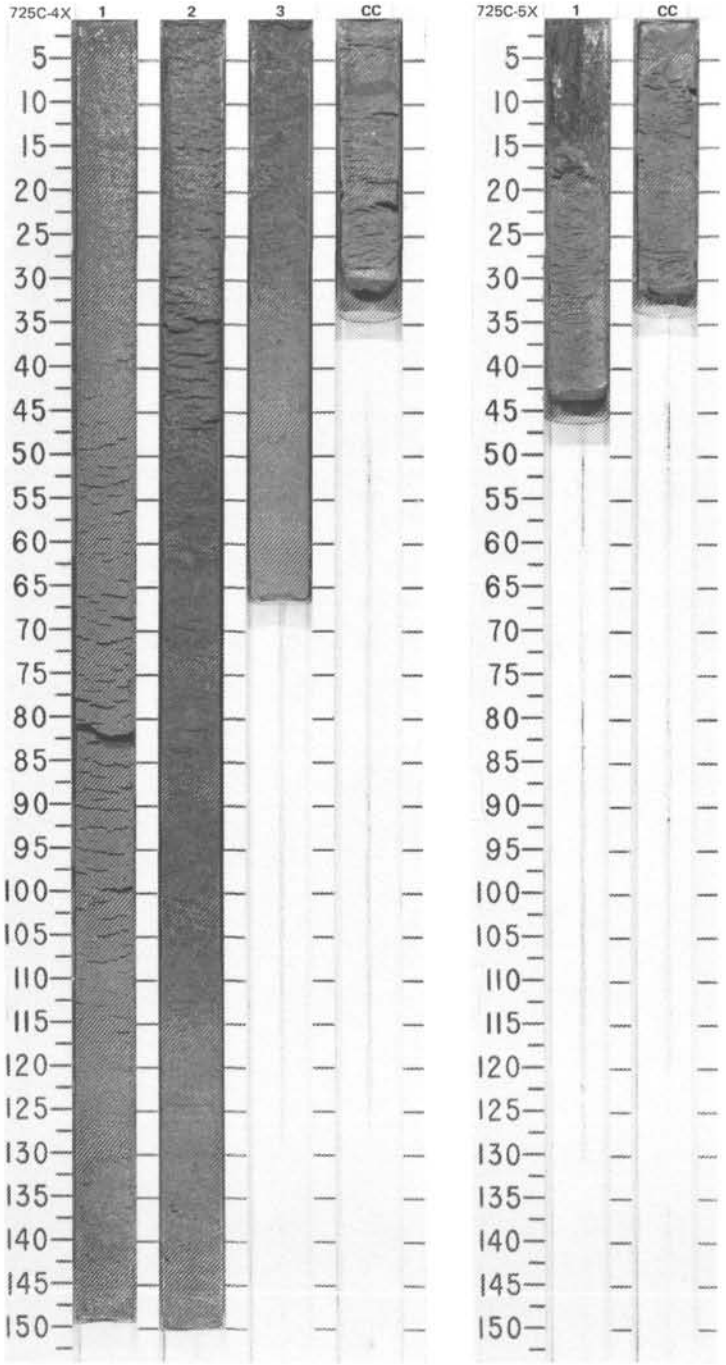
Entire core is undisturbed.

Major lithology: MARLY CALCITIC NANNOFOSSIL OOZE, olive gray (5Y 4/2) to dark greenish gray (10Y 5/2), and slightly bioturbated. Section 1, 16 cm, to CC.

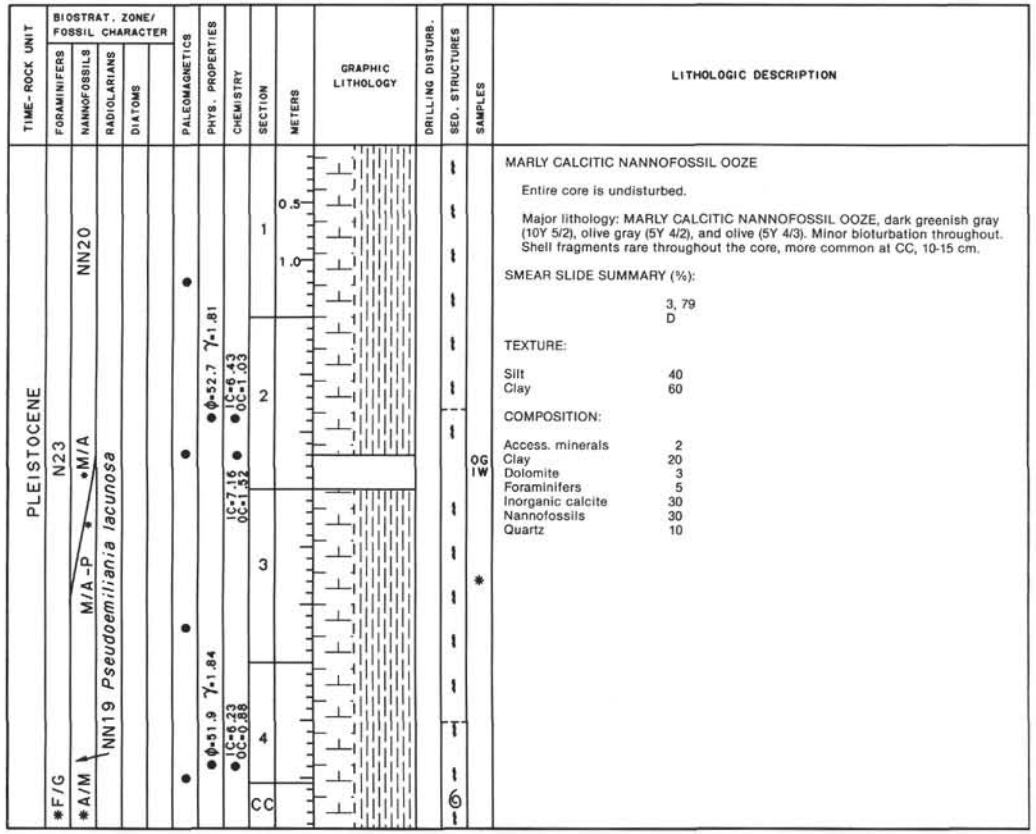
Minor lithology: Foraminifer-bearing calcitic clayey silt, dark greenish gray (10Y 4/2). Sharp base and slightly graded. Section 1, 0-16 cm.

SMEAR SLIDE SUMMARY (%):

	1, 9
	D
TEXTURE:	
Sand	30
Silt	60
Clay	10
COMPOSITION:	
Access. minerals	3
Clay	10
Dolomite	1
Feldspar	2
Foraminifers	10
Inorganic calcite	50
Mica	1
Nannofossils	3
Pyrite	Tr
Quartz	20



SITE 725 HOLE C CORE 6X CORED INTERVAL 358.0-367.5 mbsl; 47.5-57.0 mbsf



LITHOLOGIC DESCRIPTION

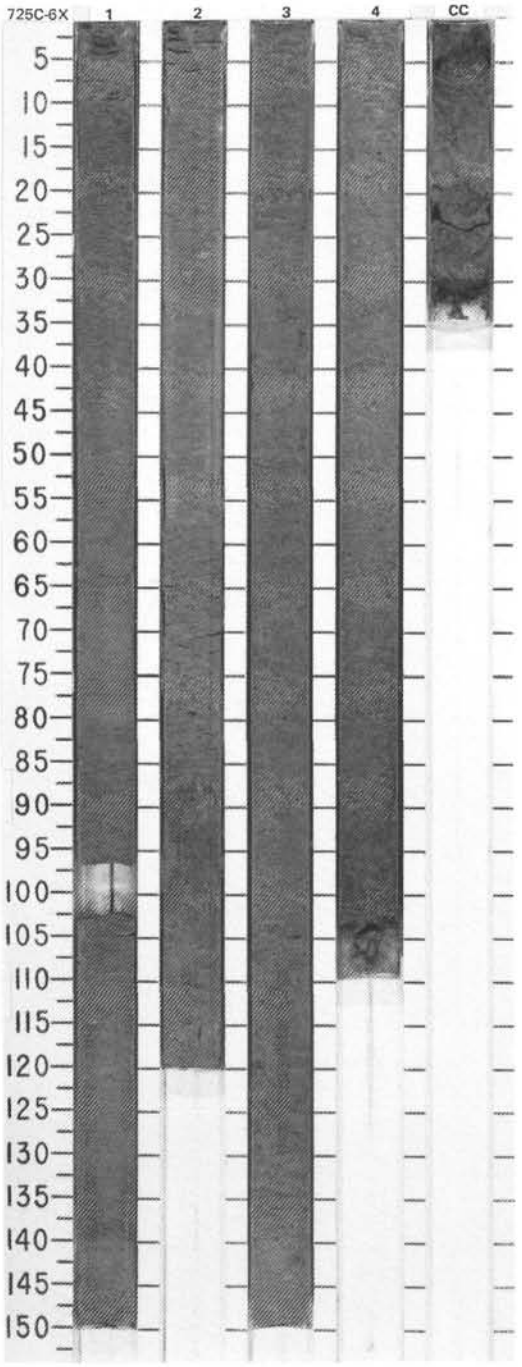
MARLY CALCITIC NANNOFOSSIL OOZE

Entire core is undisturbed.

Major lithology: MARLY CALCITIC NANNOFOSSIL OOZE, dark greenish gray (10Y 5/2), olive gray (5Y 4/2), and olive (5Y 4/3). Minor bioturbation throughout. Shell fragments rare throughout the core, more common at CC, 10-15 cm.

SMEAR SLIDE SUMMARY (%):

	3, 79
	D
TEXTURE:	
Silt	40
Clay	60
COMPOSITION:	
Access. minerals	2
Clay	20
Dolomite	3
Foraminifers	5
Inorganic calcite	30
Nannofossils	30
Quartz	10

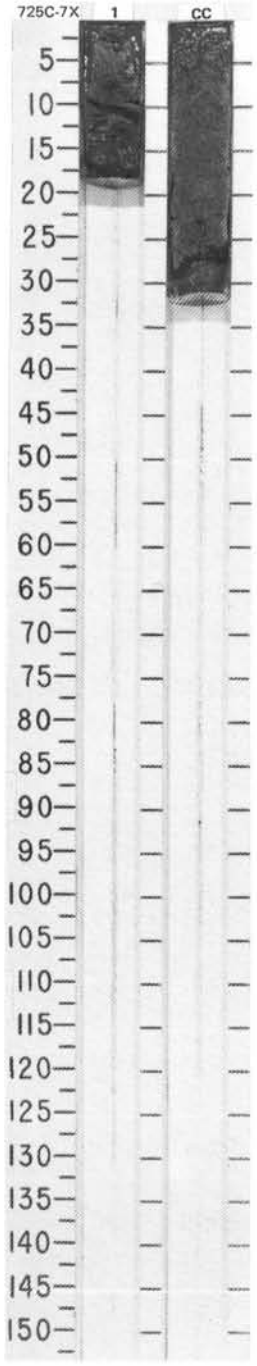


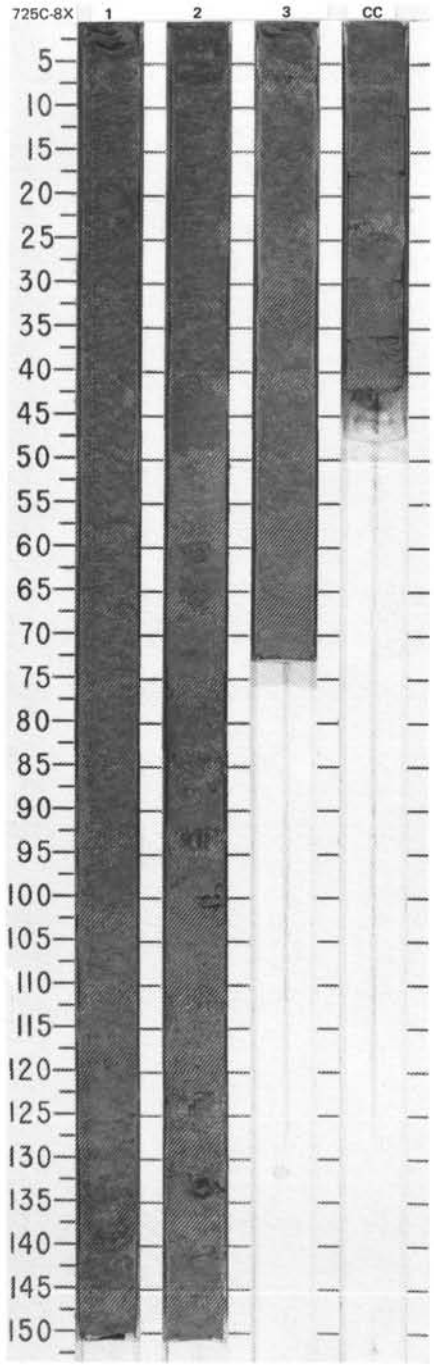
SITE 725 HOLE C CORE 7X CORED INTERVAL 367.5-377.0 mbsl; 57.0-66.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
PLEISTOCENE	F/G*	A/P-M*						1, CC						MARLY CALCITIC NANNOFOSSIL OOZE Entire core is very disturbed. Major lithology: MARLY CALCITIC NANNOFOSSIL OOZE, olive (5Y 4/3).
	N23	NN19 *Pseudoemiliania lacunosa*												

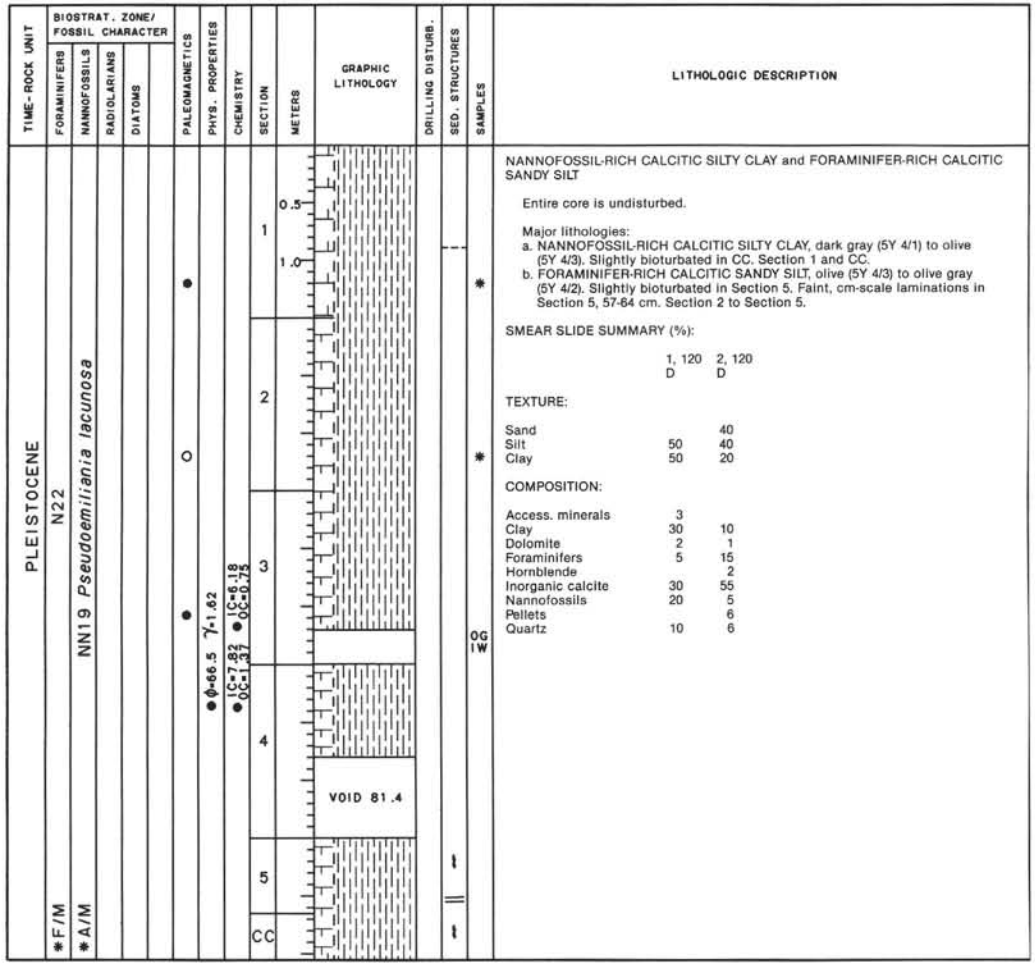
SITE 725 HOLE C CORE 8X CORED INTERVAL 377.0-386.6 mbsl; 66.5-76.1 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
PLEISTOCENE	*C/M	*A/M			●	● φ=47.2 γ=1.94	● IC=6.56 OC=0.60	1, 2, 3, CC	0.5, 1.0					MARLY CALCITIC NANNOFOSSIL OOZE Entire core is slightly disturbed. Major lithology: MARLY CALCITIC NANNOFOSSIL OOZE, dark gray (5Y 4/1) to olive (5Y 4/3). Faint color-banding on a cm scale at Section 2, 20-50 cm, and Section 3 to CC.
	N23	NN19 *Pseudoemiliania lacunosa*												





SITE 725 HOLE C CORE 9X CORED INTERVAL 386.6-396.2 mbsl; 76.1-85.7 mbsf



LITHOLOGIC DESCRIPTION

NANNOFOSSIL-RICH CALCITIC SILTY CLAY and FORAMINIFER-RICH CALCITIC SANDY SILT

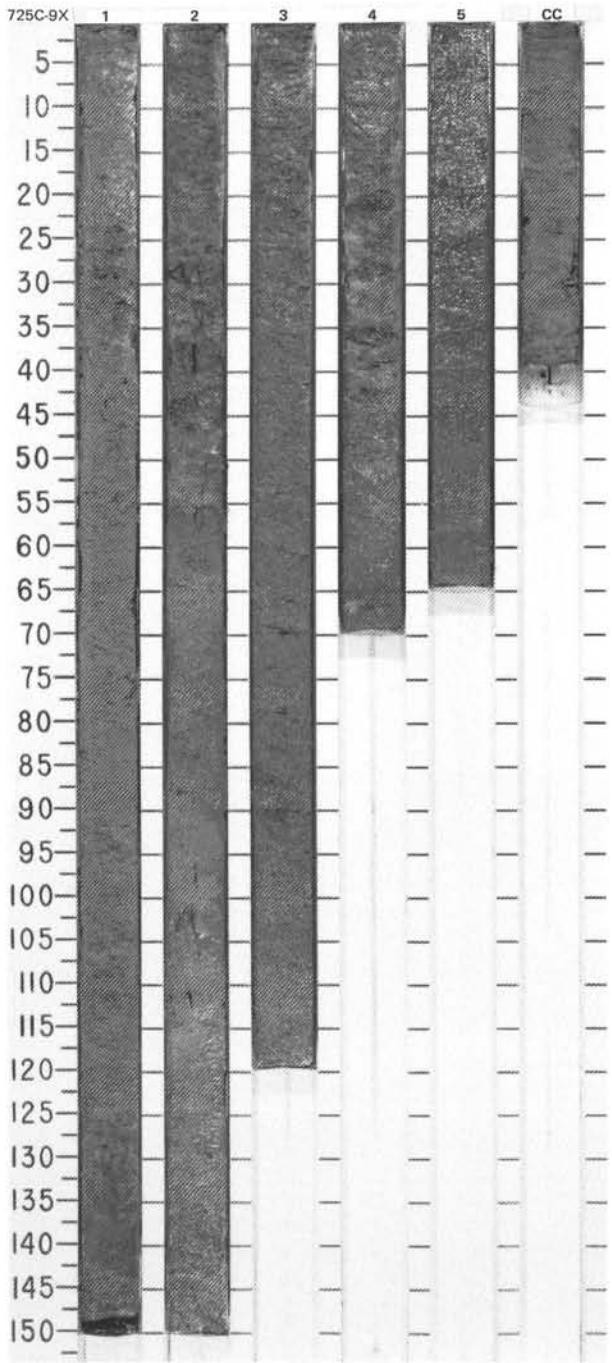
Entire core is undisturbed.

Major lithologies:
a. NANNOFOSSIL-RICH CALCITIC SILTY CLAY, dark gray (5Y 4/1) to olive (5Y 4/3). Slightly bioturbated in CC. Section 1 and CC.
b. FORAMINIFER-RICH CALCITIC SANDY SILT, olive (5Y 4/3) to olive gray (5Y 4/2). Slightly bioturbated in Section 5. Faint, cm-scale laminations in Section 5, 57-64 cm. Section 2 to Section 5.

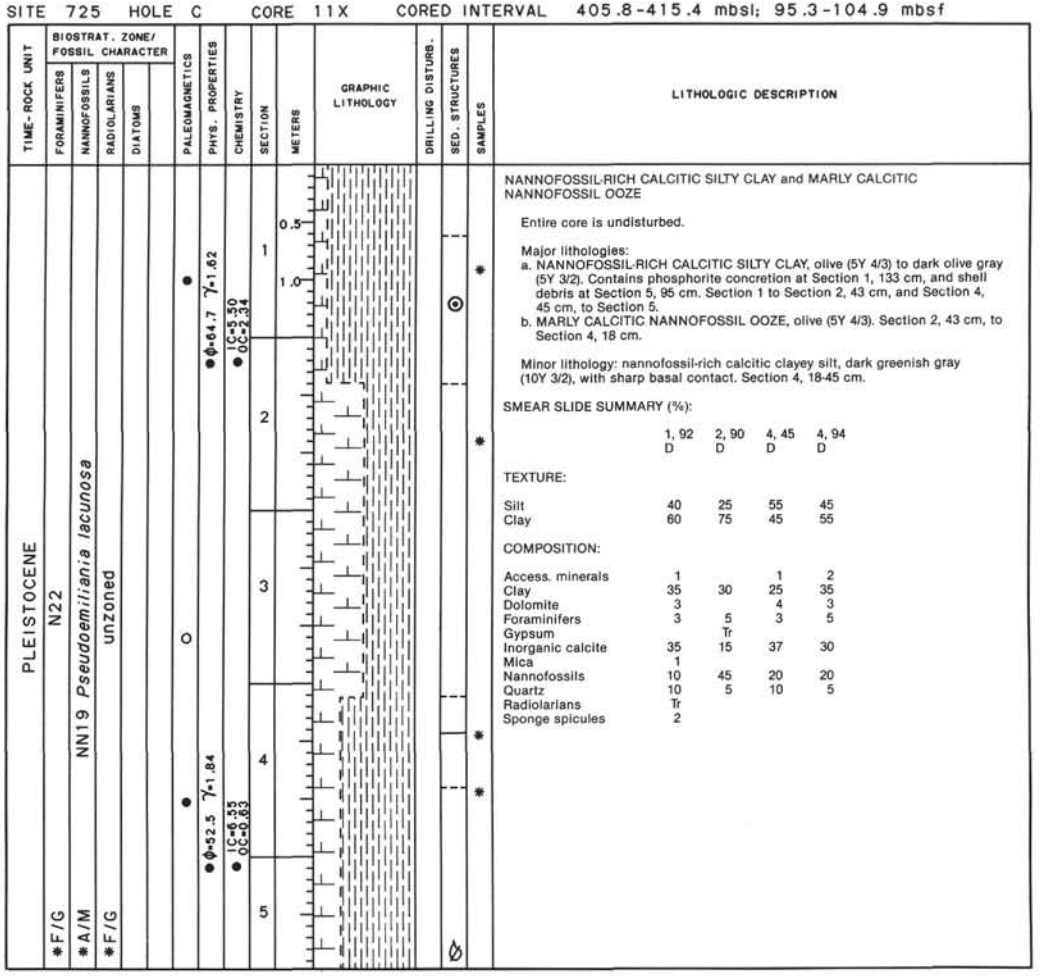
SMEAR SLIDE SUMMARY (%):

	1, 120 D	2, 120 D
TEXTURE:		
Sand		40
Silt	50	40
Clay	50	20
COMPOSITION:		
Access. minerals	3	
Clay	30	10
Dolomite	2	1
Foraminifers	5	15
Hornblende		2
Inorganic calcite	30	55
Nannofossils	20	5
Pellets		6
Quartz	10	6

CORE 117–725C–10X NO RECOVERY



SITE 725 HOLE C CORE 11X CORED INTERVAL 405.8-415.4 mbsl; 95.3-104.9 mbsf



LITHOLOGIC DESCRIPTION

NANNOFOSSIL-RICH CALCITIC SILTY CLAY and MARLY CALCITIC NANNOFOSSIL OOZE

Entire core is undisturbed.

Major lithologies:

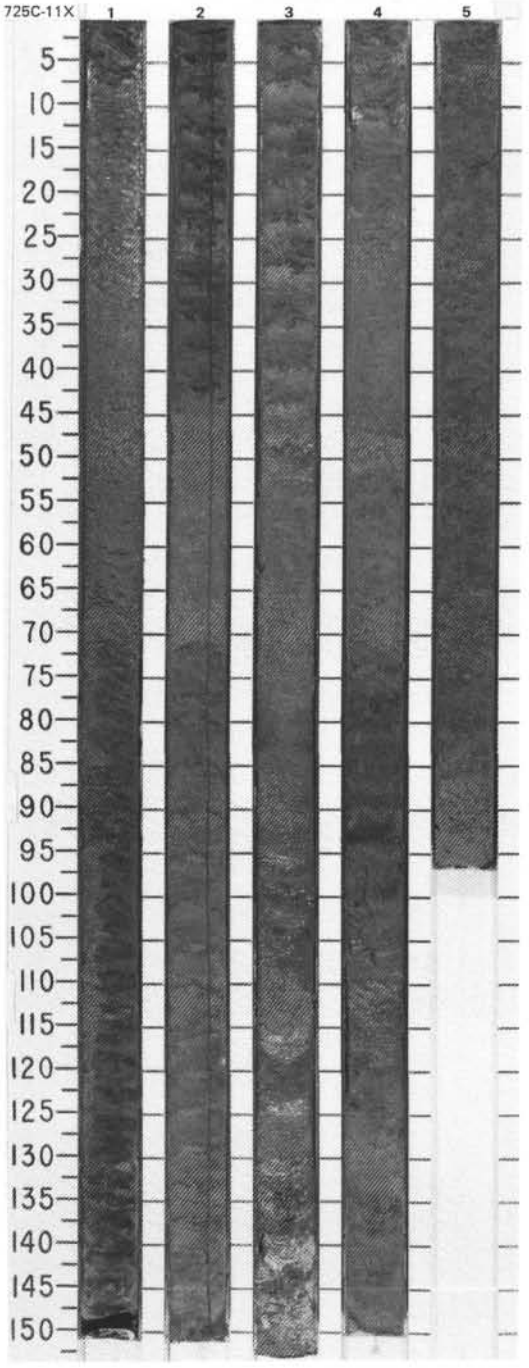
a. NANNOFOSSIL-RICH CALCITIC SILTY CLAY, olive (5Y 4/3) to dark olive gray (5Y 3/2). Contains phosphorite concretion at Section 1, 133 cm, and shell debris at Section 5, 95 cm. Section 1 to Section 2, 43 cm, and Section 4, 45 cm, to Section 5.

b. MARLY CALCITIC NANNOFOSSIL OOZE, olive (5Y 4/3). Section 2, 43 cm, to Section 4, 18 cm.

Minor lithology: nannofossil-rich calcitic clayey silt, dark greenish gray (10Y 3/2), with sharp basal contact. Section 4, 18-45 cm.

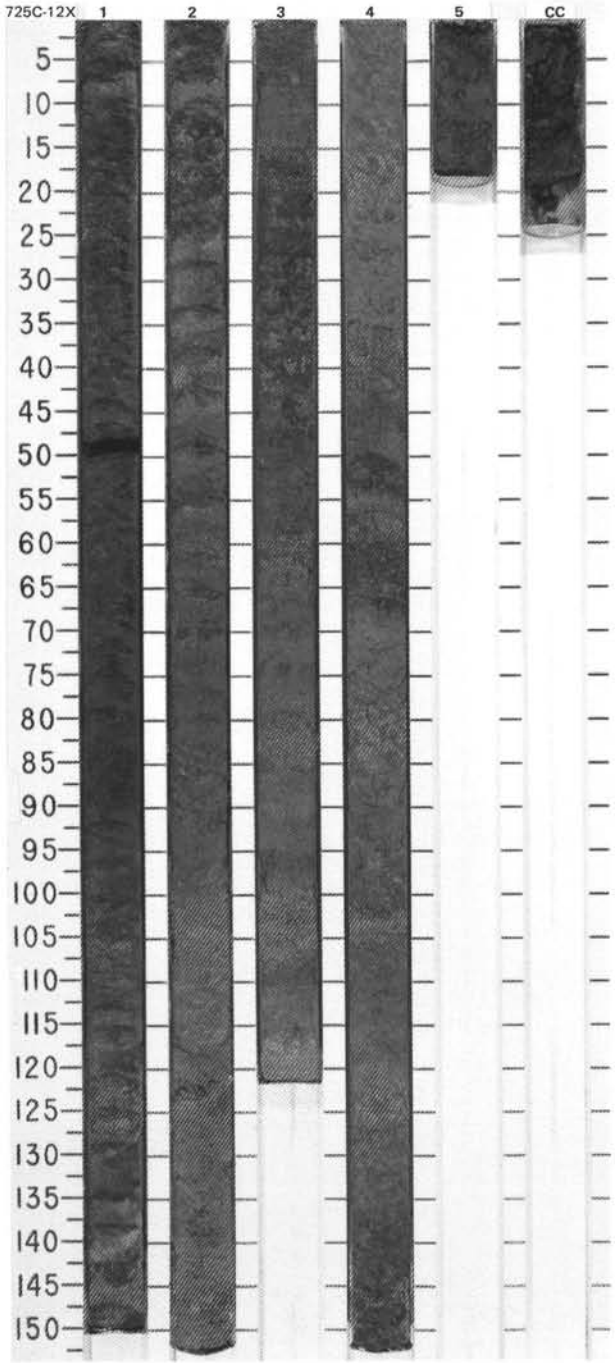
SMEAR SLIDE SUMMARY (%):

	1, 92 D	2, 90 D	4, 45 D	4, 94 D
TEXTURE:				
Silt	40	25	55	45
Clay	60	75	45	55
COMPOSITION:				
Access. minerals	1		1	2
Clay	35	30	25	35
Dolomite	3		4	3
Foraminifers	3	5	3	5
Gypsum		Tr		
Inorganic calcite	35	15	37	30
Mica	1			
Nannofossils	10	45	20	20
Quartz	10	5	10	5
Radiolarians	Tr			
Sponge spicules	2			

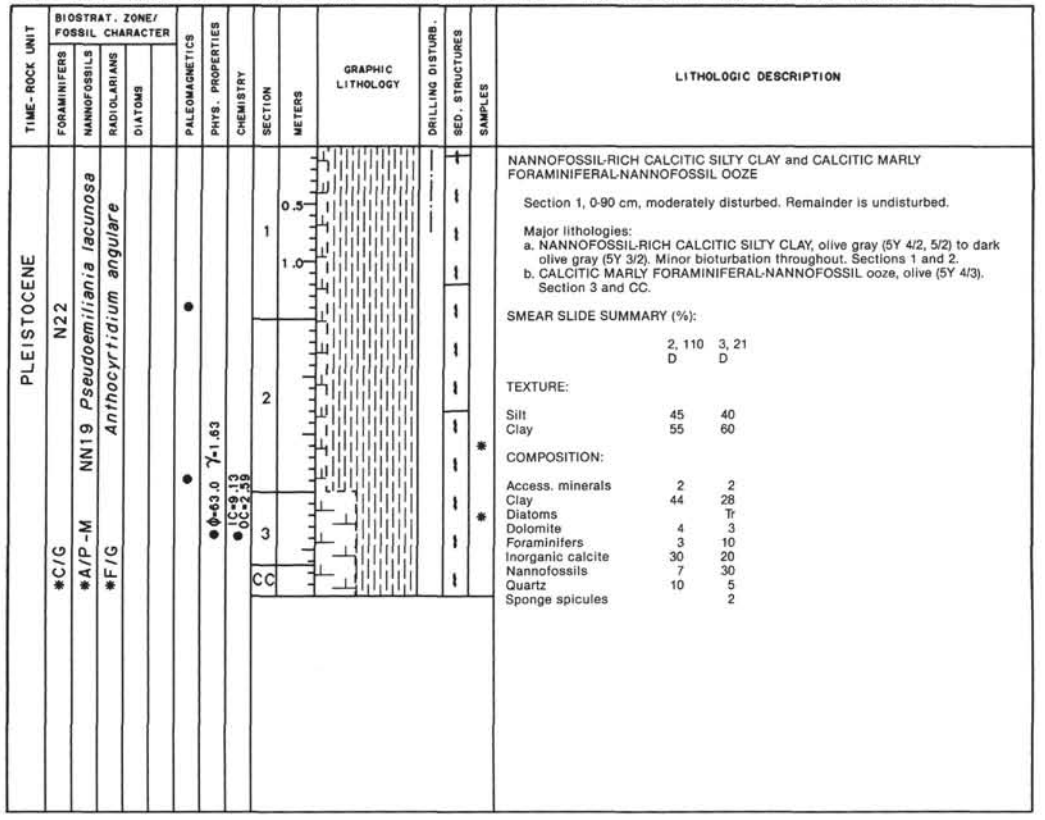


SITE 725 HOLE C CORE 12X CORED INTERVAL 415.4-425.0 mbsl; 104.9-114.5 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER: FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
PLEISTOCENE	N22	NN19 *Pseudoemiliania lacunosa*	*Anthocyrtidium angulare*			● φ=66.8 γ=1.59 ● φ=66.6 γ=1.8	● IC=9.73 OC=3.39 ● IC=7.60 OC=1.38 ● IC=8.94 OC=0.85	1 2 3 4 5 CC	0.5 1.0				OG IW OG IW	NANNOFOSSIL-RICH CALCITIC SILTY CLAY CC is very disturbed. Remainder is undisturbed. Major lithology: NANNOFOSSIL-RICH CALCITIC SILTY CLAY, olive (5Y 4/3) and olive gray (5Y 4/2) to dark olive gray (5Y 3/2) and very dark gray (5Y 3/1). Slightly bioturbated throughout. Small lens of biogenic siliceous and calcareous material at Section 1, 2 cm.
	✱A/G	✱A/M-G	✱C/G											



SITE 725 HOLE C CORE 13X CORED INTERVAL 425.0-434.6 mbsl; 114.5-124.1 mbsf



LITHOLOGIC DESCRIPTION

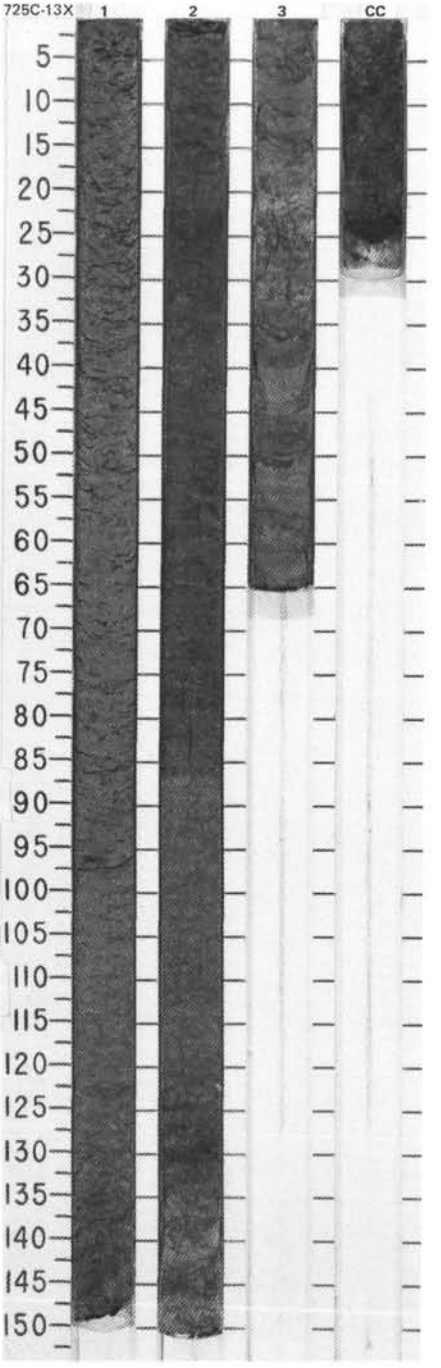
NANNOFOSSIL-RICH CALCITIC SILTY CLAY and CALCITIC MARLY FORAMINIFERAL-NANNOFOSSIL OOZE

Section 1, 0-90 cm, moderately disturbed. Remainder is undisturbed.

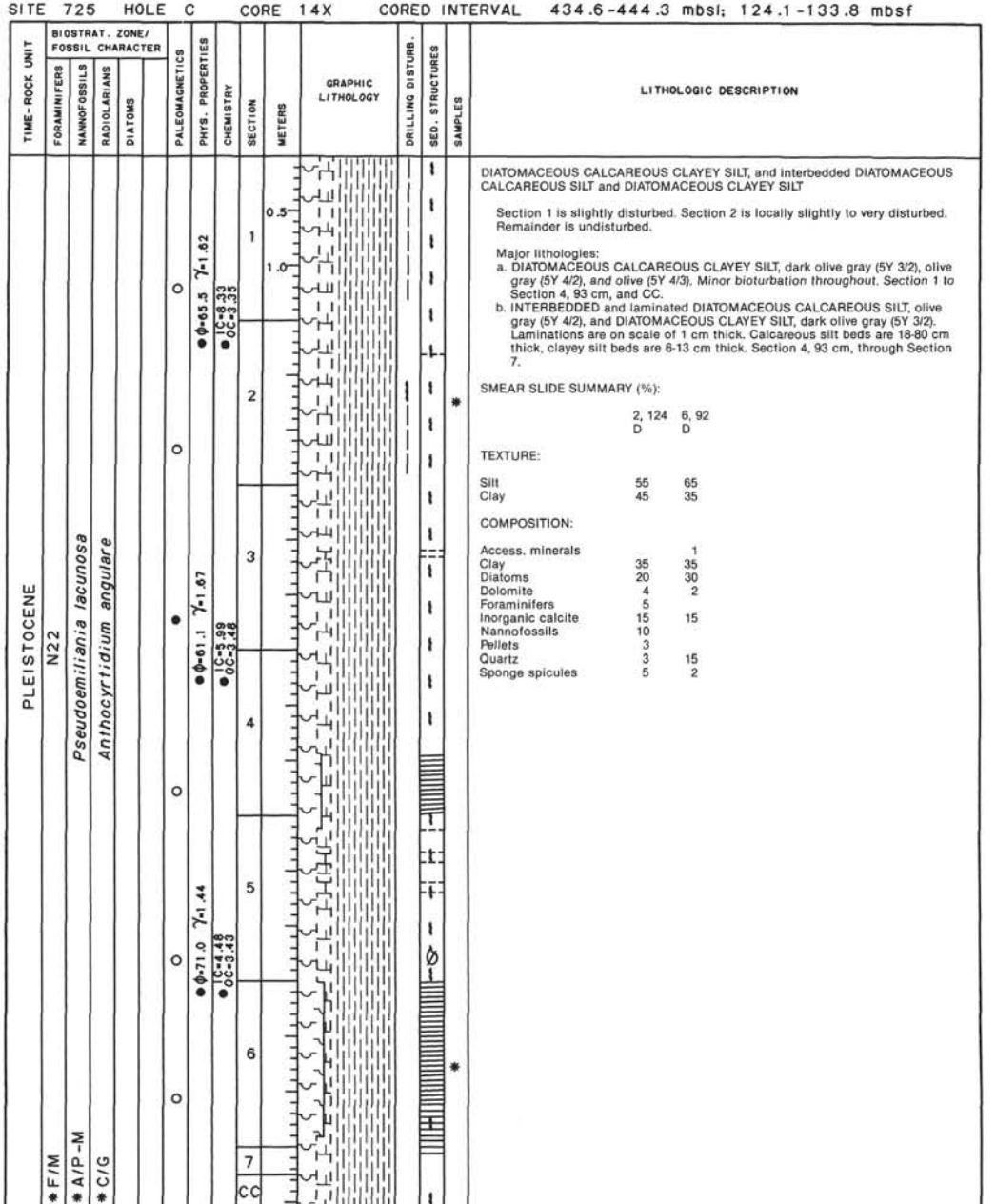
Major lithologies:
a. NANNOFOSSIL-RICH CALCITIC SILTY CLAY, olive gray (5Y 4/2, 5/2) to dark olive gray (5Y 3/2). Minor bioturbation throughout. Sections 1 and 2.
b. CALCITIC MARLY FORAMINIFERAL-NANNOFOSSIL ooze, olive (5Y 4/3). Section 3 and CC.

SMEAR SLIDE SUMMARY (%):

	2, 110 D	3, 21 D
TEXTURE:		
Silt	45	40
Clay	55	60
COMPOSITION:		
Access. minerals	2	2
Clay	44	28
Diatoms		Tr
Dolomite	4	3
Foraminifers	3	10
Inorganic calcite	30	20
Nannofossils	7	30
Quartz	10	5
Sponge spicules		2



SITE 725 HOLE C CORE 14X CORED INTERVAL 434.6-444.3 mbsl; 124.1-133.8 mbsf



LITHOLOGIC DESCRIPTION

DIATOMACEOUS CALCAREOUS CLAYEY SILT, and interbedded DIATOMACEOUS CALCAREOUS SILT and DIATOMACEOUS CLAYEY SILT

Section 1 is slightly disturbed. Section 2 is locally slightly to very disturbed. Remainder is undisturbed.

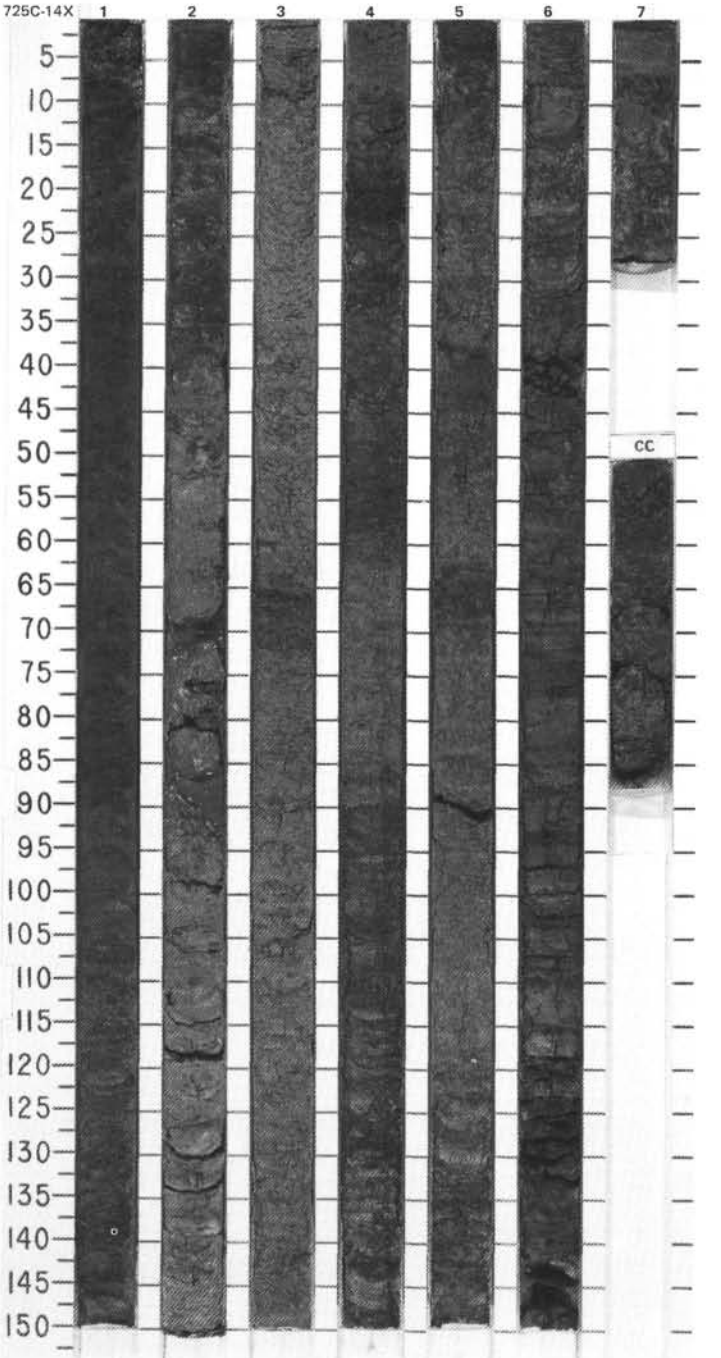
Major lithologies:

a. DIATOMACEOUS CALCAREOUS CLAYEY SILT, dark olive gray (5Y 3/2), olive gray (5Y 4/2), and olive (5Y 4/3). *Minor bioturbation throughout. Section 1 to* Section 4, 93 cm, and CC.

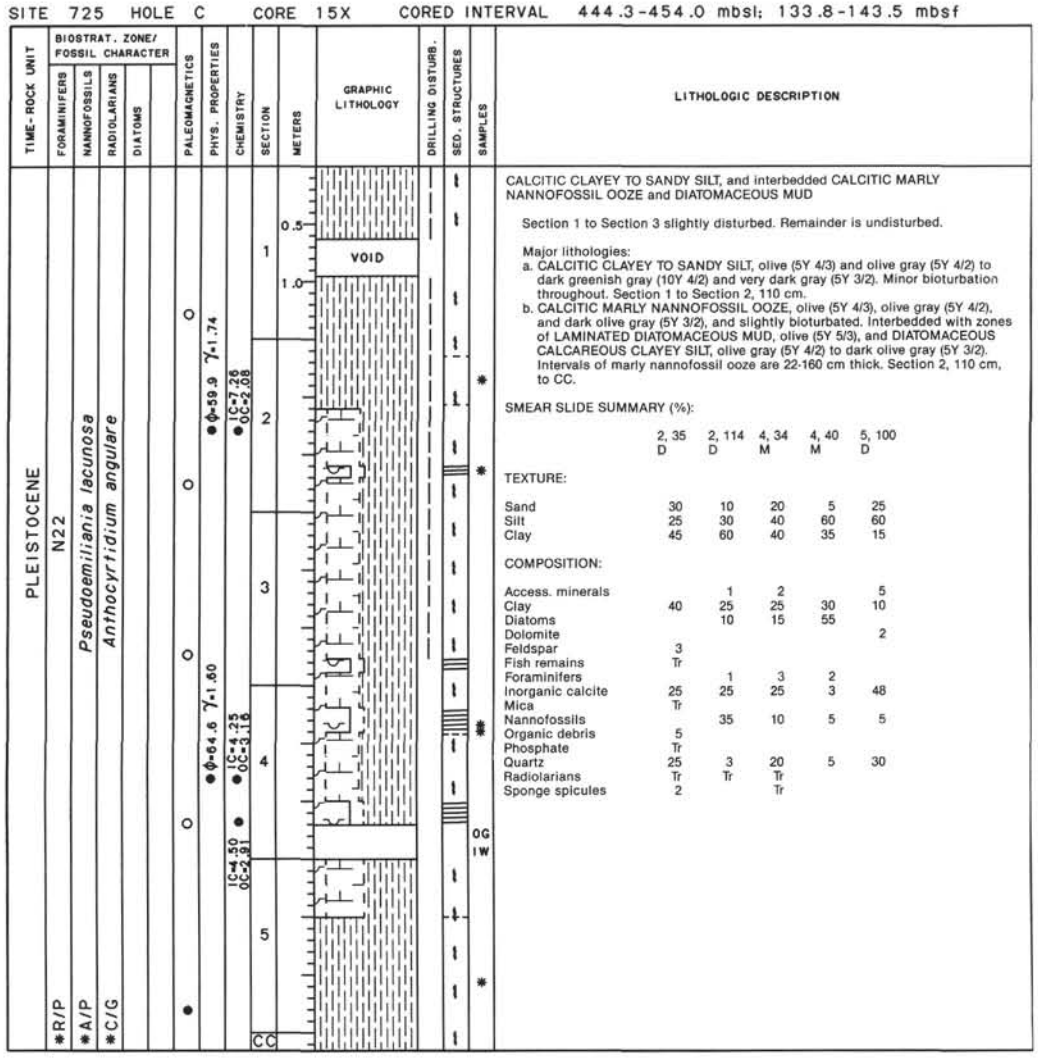
b. INTERBEDDED and laminated DIATOMACEOUS CALCAREOUS SILT, olive gray (5Y 4/2), and DIATOMACEOUS CLAYEY SILT, dark olive gray (5Y 3/2). Laminations are on scale of 1 cm thick. Calcareous silt beds are 18-80 cm thick, clayey silt beds are 6-13 cm thick. Section 4, 93 cm, through Section 7.

SMEAR SLIDE SUMMARY (%):

	2, 124 D	6, 92 D
TEXTURE:		
Silt	55	65
Clay	45	35
COMPOSITION:		
Access. minerals		1
Clay	35	35
Diatoms	20	30
Dolomite	4	2
Foraminifers	5	
Inorganic calcite	15	15
Nannofossils	10	
Pellets	3	
Quartz	3	15
Sponge spicules	5	2



SITE 725 HOLE C CORE 15X CORED INTERVAL 444.3-454.0 mbsl; 133.8-143.5 mbsf



LITHOLOGIC DESCRIPTION

CALCITIC CLAYEY TO SANDY SILT, and interbedded CALCITIC MARLY NANNOFOSSIL OOZE and DIATOMACEOUS MUD

Section 1 to Section 3 slightly disturbed. Remainder is undisturbed.

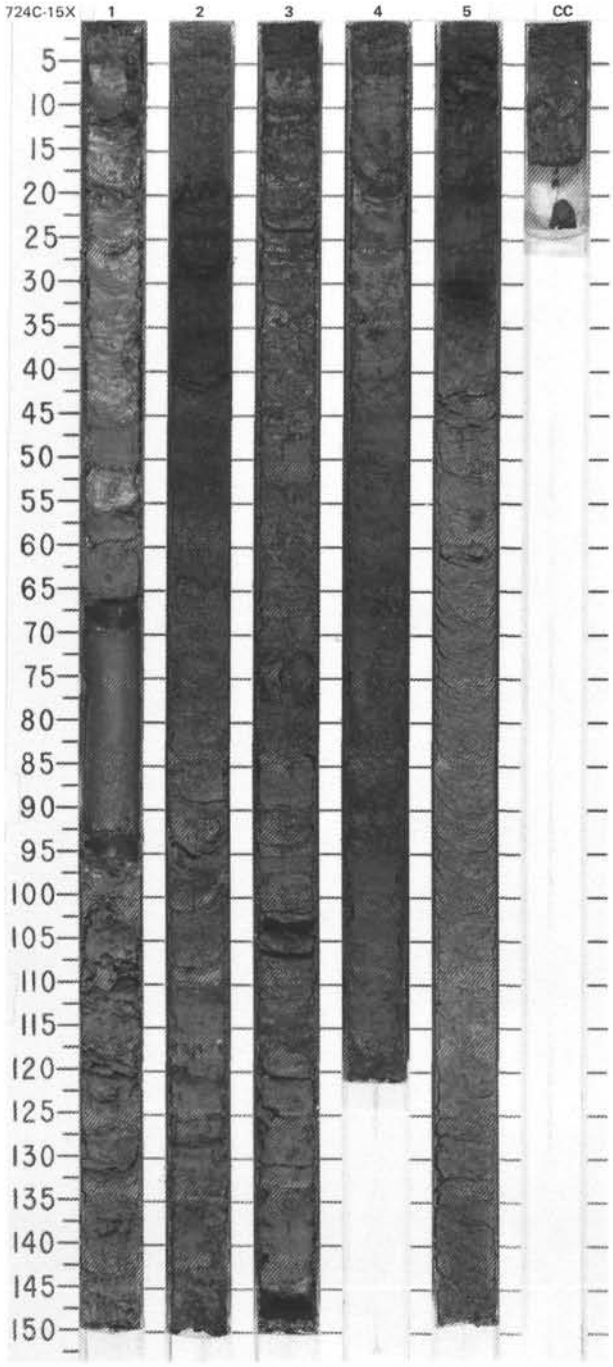
Major lithologies:

a. CALCITIC CLAYEY TO SANDY SILT, olive (5Y 4/3) and olive gray (5Y 4/2) to dark greenish gray (10Y 4/2) and very dark gray (5Y 3/2). Minor bioturbation throughout. Section 1 to Section 2, 110 cm.

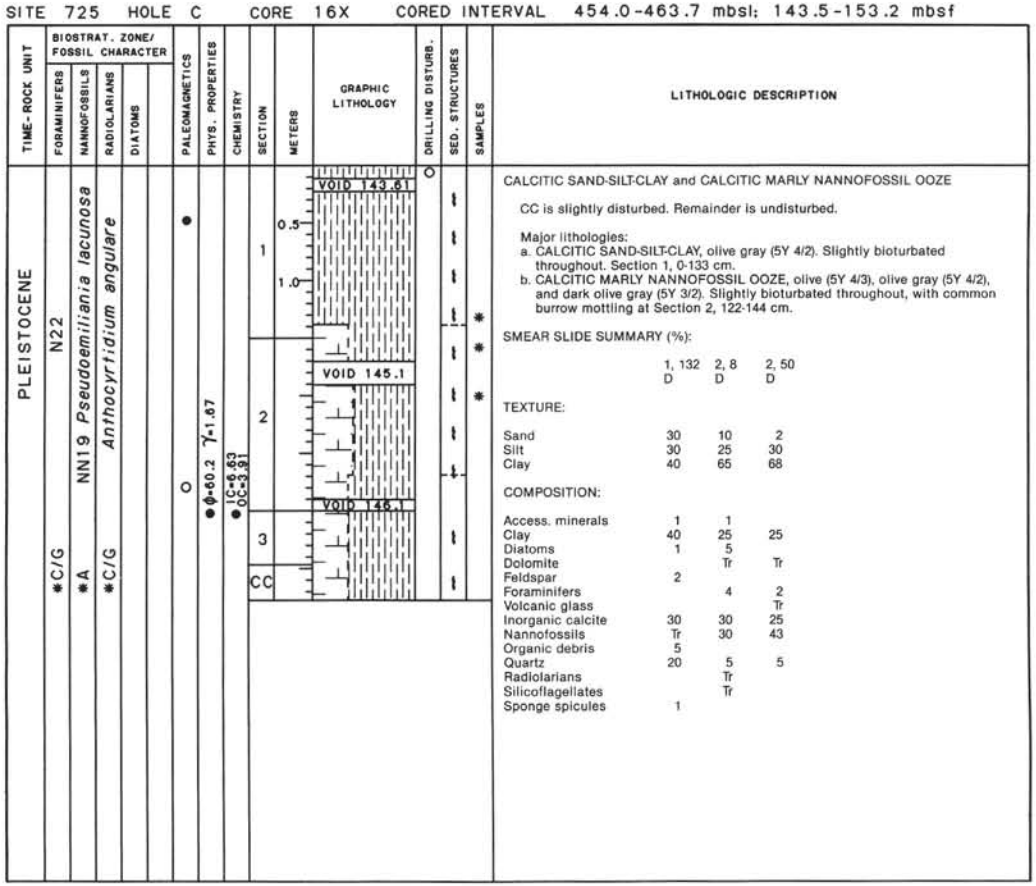
b. CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3), olive gray (5Y 4/2), and dark olive gray (5Y 3/2), and slightly bioturbated. Interbedded with zones of LAMINATED DIATOMACEOUS MUD, olive (5Y 5/3), and DIATOMACEOUS CALCAREOUS CLAYEY SILT, olive gray (5Y 4/2) to dark olive gray (5Y 3/2). Intervals of marly nannofossil ooze are 22-160 cm thick. Section 2, 110 cm, to CC.

SMEAR SLIDE SUMMARY (%):

	2, 35 D	2, 114 D	4, 34 M	4, 40 M	5, 100 D
TEXTURE:					
Sand	30	10	20	5	25
Silt	25	30	40	60	60
Clay	45	60	40	35	15
COMPOSITION:					
Access. minerals		1	2		5
Clay	40	25	25	30	10
Diatoms		10	15	55	
Dolomite					2
Feldspar	3				
Fish remains	Tr				
Foraminifers		1	3	2	
Inorganic calcite	25	25	25	3	48
Mica	Tr				
Nannofossils		35	10	5	5
Organic debris	5				
Phosphate	Tr				
Quartz	25	3	20	5	30
Radiolarians	Tr	Tr	Tr		
Sponge spicules	2		Tr		



SITE 725 HOLE C CORE 16X CORED INTERVAL 454.0-463.7 mbsl; 143.5-153.2 mbsf



LITHOLOGIC DESCRIPTION

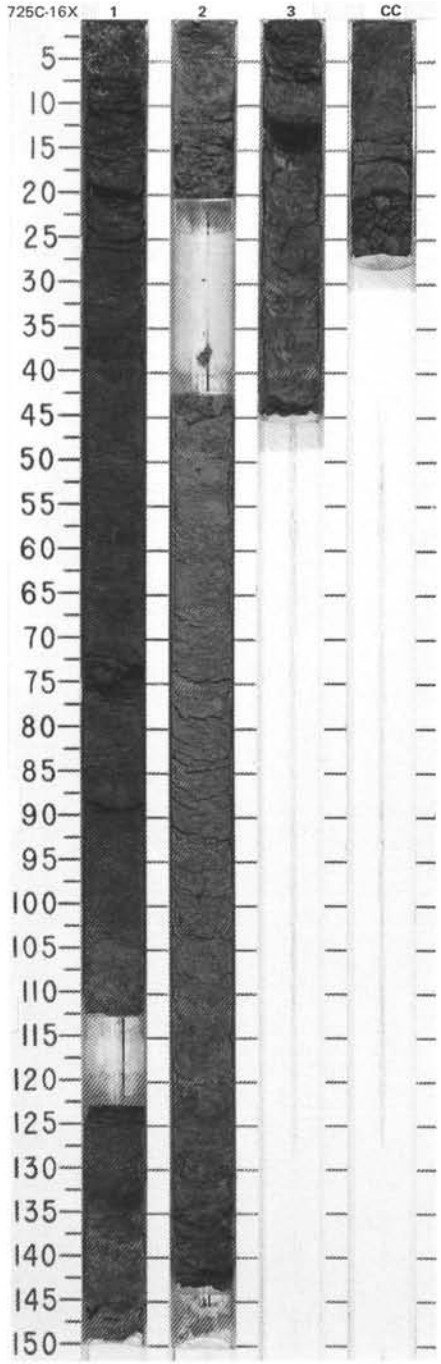
CALCITIC SAND-SILT-CLAY and CALCITIC MARLY NANNOFOSSIL OOZE

CC is slightly disturbed. Remainder is undisturbed.

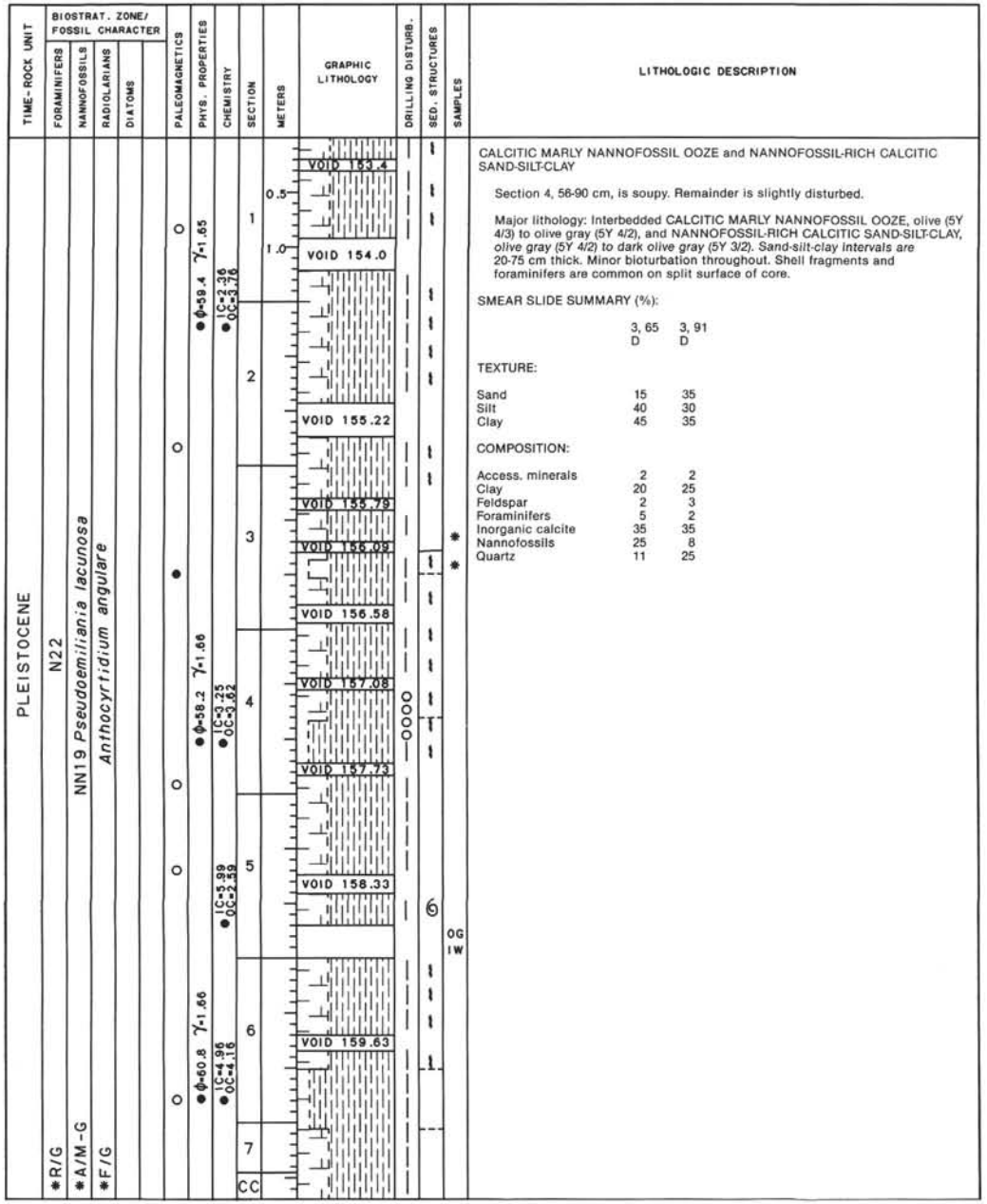
Major lithologies:
a. CALCITIC SAND-SILT-CLAY, olive gray (5Y 4/2). Slightly bioturbated throughout. Section 1, 0-133 cm.
b. CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3), olive gray (5Y 4/2), and dark olive gray (5Y 3/2). Slightly bioturbated throughout, with common burrow mottling at Section 2, 122-144 cm.

SMEAR SLIDE SUMMARY (%):

	1, 132 D	2, 8 D	2, 50 D
TEXTURE:			
Sand	30	10	2
Silt	30	25	30
Clay	40	65	68
COMPOSITION:			
Access. minerals	1	1	
Clay	40	25	25
Diatoms	1	5	
Dolomite		Tr	Tr
Feldspar	2		
Foraminifers		4	2
Volcanic glass			Tr
Inorganic calcite	30	30	25
Nannofossils	Tr	30	43
Organic debris	5		
Quartz	20	5	5
Radiolarians		Tr	
Silicoflagellates		Tr	
Sponge spicules	1		



SITE 725 HOLE C CORE 17X CORED INTERVAL 463.7-473.3 mbsl; 153.2-162.8 mbsf

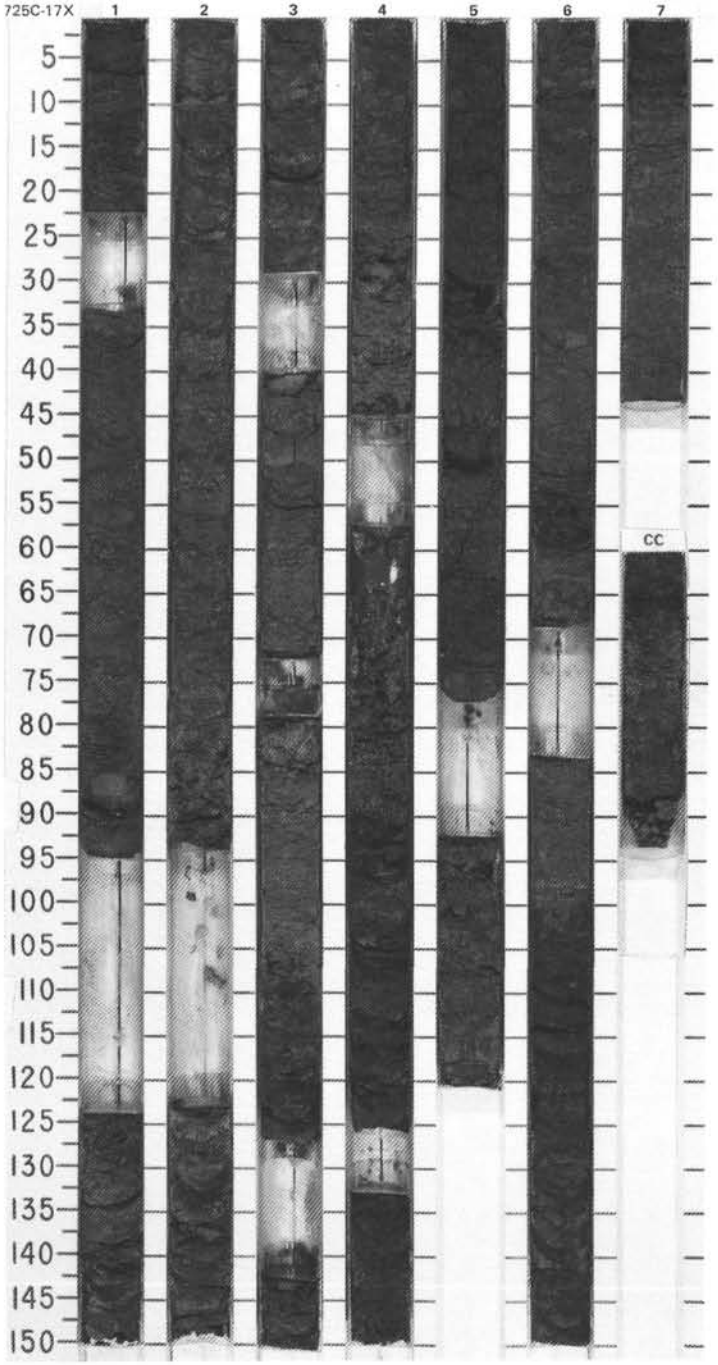


LITHOLOGIC DESCRIPTION

CALCITIC MARLY NANNOFOSSIL OOZE and NANNOFOSSIL-RICH CALCITIC SAND-SILT-CLAY

Section 4, 56-90 cm, is soupy. Remainder is slightly disturbed.

Major lithology: Interbedded CALCITIC MARLY NANNOFOSSIL OOZE, olive (5Y 4/3) to olive gray (5Y 4/2), and NANNOFOSSIL-RICH CALCITIC SAND-SILT-CLAY, *olive gray (5Y 4/2) to dark olive gray (5Y 3/2). Sand-silt-clay intervals are* 20-75 cm thick. Minor bioturbation throughout. Shell fragments and foraminifers are common on split surface of core.

SMEAR SLIDE SUMMARY (%):

	3, 65 D	3, 91 D
TEXTURE:		
Sand	15	35
Silt	40	30
Clay	45	35
COMPOSITION:		
Access. minerals	2	2
Clay	20	25
Feldspar	2	3
Foraminifers	5	2
Inorganic calcite	35	35
Nannofossils	25	8
Quartz	11	25