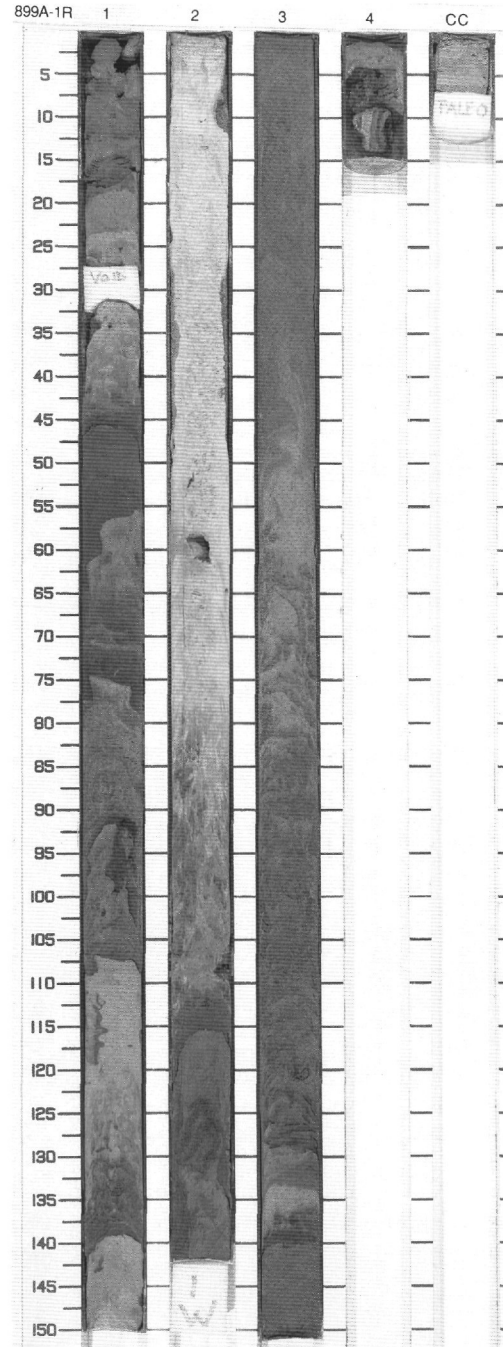


SITE 899 HOLE A CORE 1R

CORED 81.5 - 91.1 mbsf

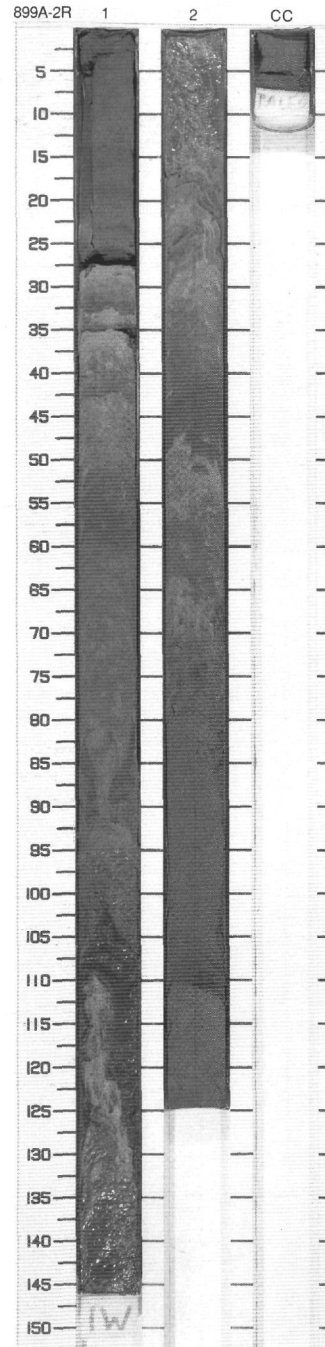
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	VOID	1		...	---	S		<p>CLAY, SILTY CLAY and NANNOFOSSIL CLAY</p> <p>Major Lithologies:                      Light olive gray (5Y 2/1) CLAY forms 35% of the core, olive black (5Y 2/1) SILTY CLAY 20%, and light gray (N7) NANNOFOSSIL CLAY 20%.</p> <p>Minor Lithologies:                      The FORAMINIFERAL SILTY SAND is dark greenish gray (5GY 4/1) and comprises up to 10% of the core; greenish black (5Y 2/1) to olive gray (5Y 4/1) SAND forms 15%.</p> <p>General Description:                      Several graded sequences, 10–60 cm thick, occur in this core and consist of a basal SAND interval overlain by SILTY CLAY and then CLAY. In Section 2 only, NANNOFOSSIL CLAY overlies the NANNOFOSSIL CLAYSTONE. In Sections 2 and 3, some of the basal greenish black SANDS are replaced in the sequences by a FORAMINIFERAL SILTY SAND.</p>
2		2	late Pliocene	...		S S P	5Y 2/1 To N7	
3		3		...		I		
4		4		...		P		
		CC		...		M		



SITE 899 HOLE A CORE 2R

CORED 91.1 - 100.8 mbsf

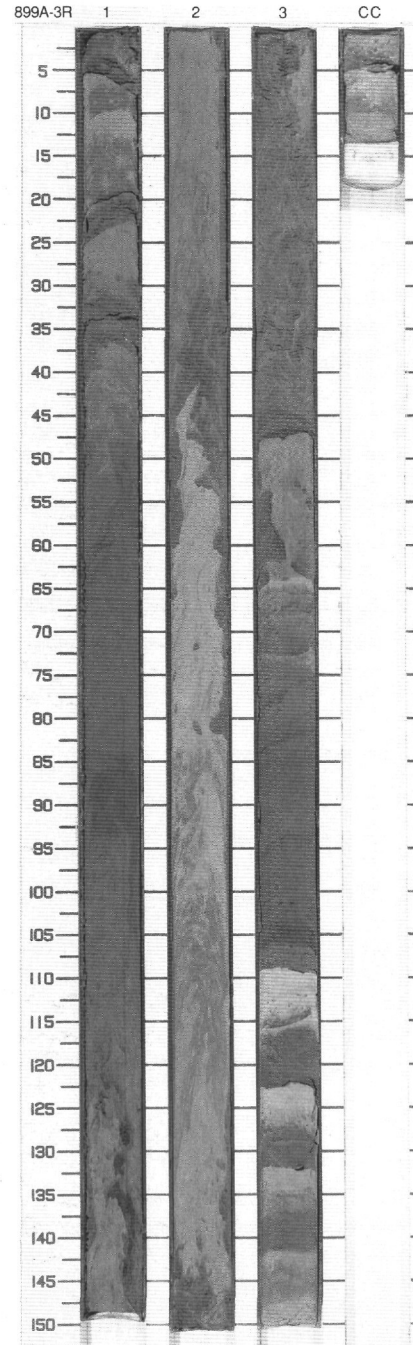
Meter	Graphic Lith.	Section	Age	Structure	Disturbo	Sample	Color	Description
1		1	late Pliocene	Mn		S	5GY 4/1	<p>SILTY CLAY and SILTY SAND TO SANDY SILT</p> <p>Major Lithologies: Olive gray (5Y 4/1) SILTY CLAY forms 60% of the core, and dark greenish gray (5Y 4/1) SILTY SAND to SANDY SILT, occasionally foraminifera-rich, forms 30%.</p> <p>Minor Lithologies: Light gray (N7) NANNOFOSSIL OOZE and light olive gray (5Y 6/1) NANNOFOSSIL CLAY together form 10% of the core.</p> <p>General Description: 13 normally graded sequences (10 to 40 cm thick) occur in this core. They consist of a basal SILTY SAND to SANDY SILT layer, which is overlain by SILTY CLAY and capped by NANNOFOSSIL OOZE.</p>
2		2	late Pliocene	Mn		P	To N7	
		3	late Pliocene	Mn		I		
		4	late Pliocene	Mn		S		
		5	late Pliocene	Mn		P		
		6	late Pliocene	Mn		I		
		7	late Pliocene	Mn		S		
		8	late Pliocene	Mn		P		
		9	late Pliocene	Mn		I		
		10	late Pliocene	Mn		S		
		11	late Pliocene	Mn		P		
		12	late Pliocene	Mn		I		
		13	late Pliocene	Mn		S		
		14	late Pliocene	Mn		P		
		15	late Pliocene	Mn		I		
		16	late Pliocene	Mn		S		
		17	late Pliocene	Mn		P		
		18	late Pliocene	Mn		I		
		19	late Pliocene	Mn		S		
		20	late Pliocene	Mn		P		
		21	late Pliocene	Mn		I		
		22	late Pliocene	Mn		S		
		23	late Pliocene	Mn		P		
		24	late Pliocene	Mn		I		
		25	late Pliocene	Mn		S		
		26	late Pliocene	Mn		P		
		27	late Pliocene	Mn		I		
		28	late Pliocene	Mn		S		
		29	late Pliocene	Mn		P		
		30	late Pliocene	Mn		I		
		31	late Pliocene	Mn		S		
		32	late Pliocene	Mn		P		
		33	late Pliocene	Mn		I		
		34	late Pliocene	Mn		S		
		35	late Pliocene	Mn		P		
		36	late Pliocene	Mn		I		
		37	late Pliocene	Mn		S		
		38	late Pliocene	Mn		P		
		39	late Pliocene	Mn		I		
		40	late Pliocene	Mn		S		
		41	late Pliocene	Mn		P		
		42	late Pliocene	Mn		I		
		43	late Pliocene	Mn		S		
		44	late Pliocene	Mn		P		
		45	late Pliocene	Mn		I		
		46	late Pliocene	Mn		S		
		47	late Pliocene	Mn		P		
		48	late Pliocene	Mn		I		
		49	late Pliocene	Mn		S		
		50	late Pliocene	Mn		P		
		51	late Pliocene	Mn		I		
		52	late Pliocene	Mn		S		
		53	late Pliocene	Mn		P		
		54	late Pliocene	Mn		I		
		55	late Pliocene	Mn		S		
		56	late Pliocene	Mn		P		
		57	late Pliocene	Mn		I		
		58	late Pliocene	Mn		S		
		59	late Pliocene	Mn		P		
		60	late Pliocene	Mn		I		
		61	late Pliocene	Mn		S		
		62	late Pliocene	Mn		P		
		63	late Pliocene	Mn		I		
		64	late Pliocene	Mn		S		
		65	late Pliocene	Mn		P		
		66	late Pliocene	Mn		I		
		67	late Pliocene	Mn		S		
		68	late Pliocene	Mn		P		
		69	late Pliocene	Mn		I		
		70	late Pliocene	Mn		S		
		71	late Pliocene	Mn		P		
		72	late Pliocene	Mn		I		
		73	late Pliocene	Mn		S		
		74	late Pliocene	Mn		P		
		75	late Pliocene	Mn		I		
		76	late Pliocene	Mn		S		
		77	late Pliocene	Mn		P		
		78	late Pliocene	Mn		I		
		79	late Pliocene	Mn		S		
		80	late Pliocene	Mn		P		
		81	late Pliocene	Mn		I		
		82	late Pliocene	Mn		S		
		83	late Pliocene	Mn		P		
		84	late Pliocene	Mn		I		
		85	late Pliocene	Mn		S		
		86	late Pliocene	Mn		P		
		87	late Pliocene	Mn		I		
		88	late Pliocene	Mn		S		
		89	late Pliocene	Mn		P		
		90	late Pliocene	Mn		I		
		91	late Pliocene	Mn		S		
		92	late Pliocene	Mn		P		
		93	late Pliocene	Mn		I		
		94	late Pliocene	Mn		S		
		95	late Pliocene	Mn		P		
		96	late Pliocene	Mn		I		
		97	late Pliocene	Mn		S		
		98	late Pliocene	Mn		P		
		99	late Pliocene	Mn		I		
		100	late Pliocene	Mn		S		



SITE 899 HOLE A CORE 3R

CORED 100.8 - 110.4 mbsf

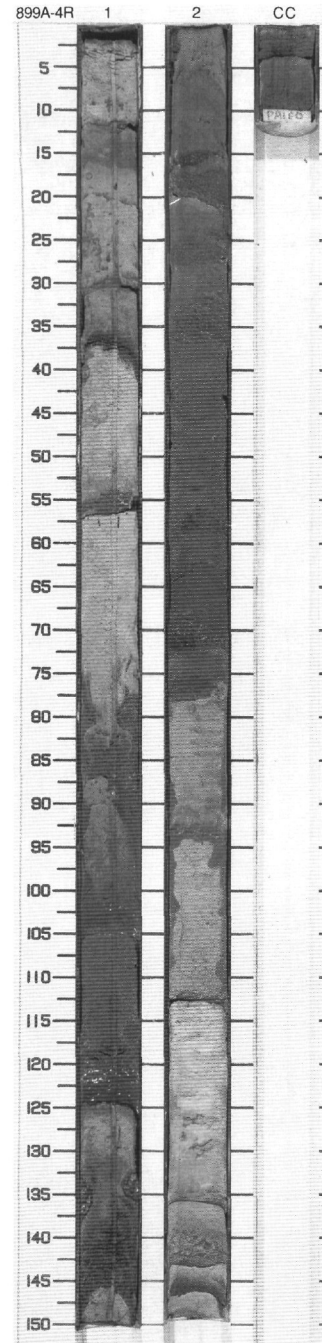
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lith. 1]	1	late Pliocene	Mn	Wavy	S	5GY 2/1 To 5Y 4/1	<p>SILTY CLAY TO CLAY and NANNOFOSSIL CLAY</p> <p>Major Lithologies: Olive gray (5Y 4/1) SILTY CLAY to CLAY makes around 60% of this core.</p> <p>Minor Lithologies: Greenish black (5GY 2/1) or olive gray (5Y 4/1), occasionally laminated SILTY SAND or SANDY SILT forms 20% of the core, as does light olive gray (5Y 6/1) NANNOFOSSIL CLAY.</p> <p>General Description: Several normal graded sequences, 10 to 70 cm thick, occur throughout the core. They consist of a basal SILTY SAND to SANDY SILT layer, which is overlain by SILTY CLAY to CLAY. The uppermost pelagic is NANNOFOSSIL CLAY.</p>
2	[Graphic Lith. 2]	2			Wavy	P		
3	[Graphic Lith. 3]	3			Wavy	P		
4	[Graphic Lith. 4]	CC			Wavy	S M		



SITE 899 HOLE A CORE 4R

CORED 110.4 - 120.1 mbsf

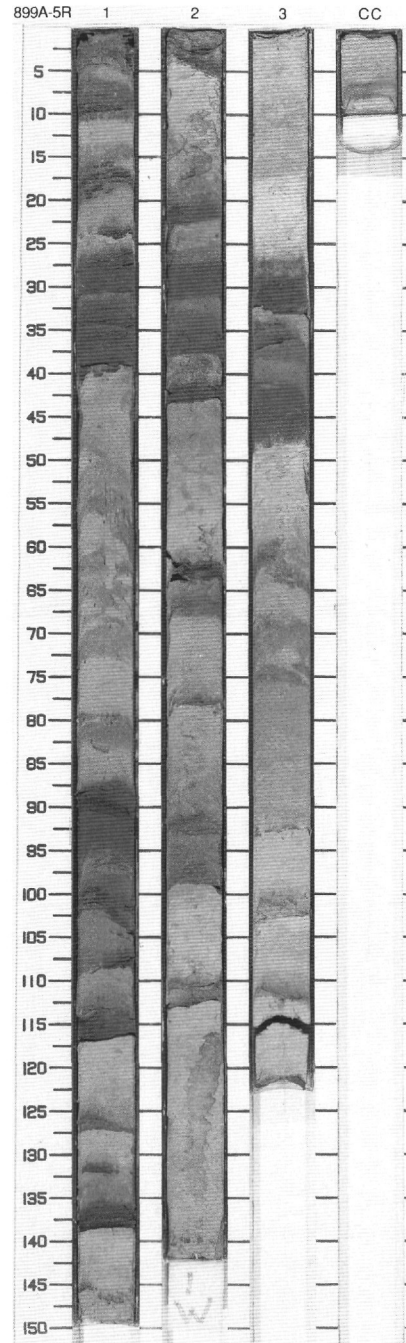
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lith. 1]	1	late Pliocene	}}	-	P	5GY 4/1 To 5Y 6/1	<p>SILTY CLAY and NANNOFOSSIL CLAY</p> <p>Major Lithologies: Olive gray (5Y 4/1) SILTY CLAY forms 50% of the core, and light olive gray (5Y 6/1) NANNOFOSSIL CLAY 30%.</p> <p>Minor Lithologies: Dark greenish gray (5GY 4/1) and olive gray (5Y 4/1) CLAYEY SILTY SAND to SANDY SILT comprises 18% of the core, and light olive gray (5Y 6/1) NANNOFOSSIL OOZE 2%.</p> <p>General Description: Normally graded sequences, 10 to 30 cm thick, occur throughout the core and consist of a basal CLAYEY SILTY SAND to SANDY SILT layer, overlain by SILTY CLAY to CLAY. The tops of the sequences are composed of NANNOFOSSIL CLAY to NANNOFOSSIL OOZE.</p>
2	[Graphic Lith. 2]	2				S		
3	[Graphic Lith. 3]	CC				S	M	



SITE 899 HOLE A CORE 5R

CORED 120.1 - 129.7 mbsf

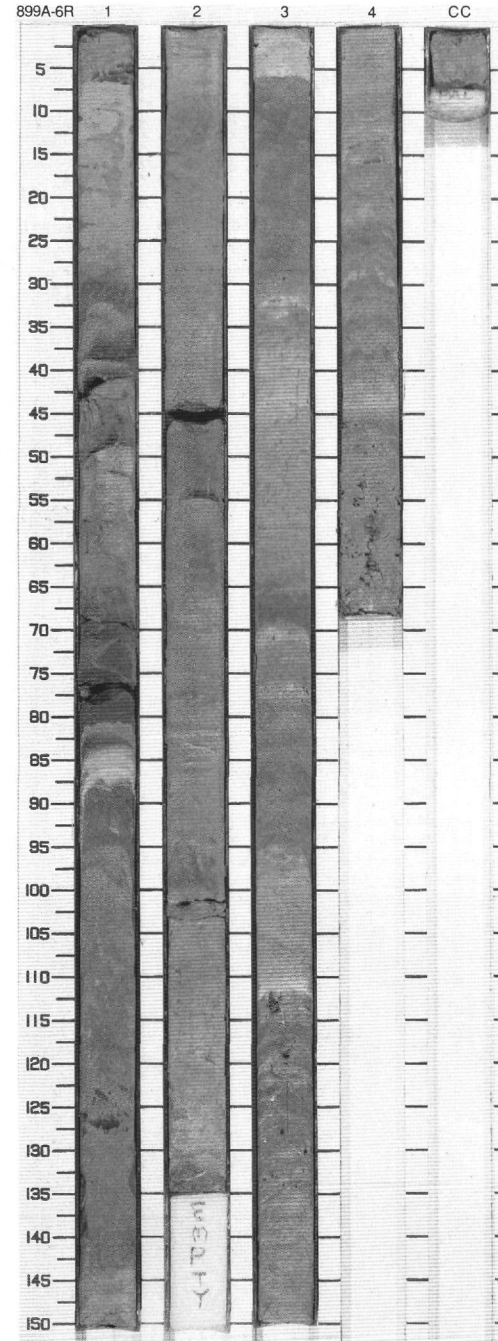
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	late Pliocene	[Symbol]		S	5GY 4/1 To N7	<p>SILTY CLAY TO CLAY and NANNOFOSSIL CLAY TO NANNOFOSSIL OOZE</p> <p>Major Lithologies: Olive gray (5Y 4/1) or dark yellowish brown (10YR 4/2) SILTY CLAY to CLAY comprises 35% of the core. Light olive gray (5Y 6/1) NANNOFOSSIL CLAY and light gray (N8) or light olive gray (5Y 6/1) NANNOFOSSIL OOZE forms 55% of the core.</p> <p>Minor Lithologies: Dark greenish gray (5G 4/1), olive gray (5Y 4/1) or dusky yellow green (5GY 5/2) SILTY SAND to SAND forms about 8% of core, and very light gray (N8) to gray (N7) FORAMINIFERAL SAND about 2%.</p> <p>General Description: Normally graded sequences (10 to 50 cm thick) occur throughout the core. They consist of a basal layer of SILTY SAND to SAND, occasionally FORAMINIFERAL SAND, overlain by SILTY CLAY, capped by NANNOFOSSIL CLAY to NANNOFOSSIL OOZE. Individual small scale lenses (&lt;1 cm) of SAND occur in the SILTY CLAY.</p>
2	[Pattern]	2		[Symbol]		S PS		
3	[Pattern]	3		[Symbol]	Mn	P		
4	[Pattern]	CC				M		



SITE 899 HOLE A CORE 6R

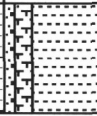
CORED 129.7 - 139.0 mbsf

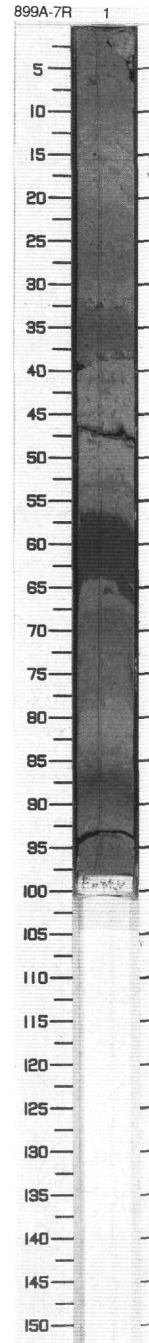
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	early Pliocene-late Miocene	Mn		P	5Y 4/1 To 5Y 6/1	<p>SILTY CLAY TO CLAY, NANNOFOSSIL CLAY, and NANNOFOSSIL OOZE</p> <p>Major Lithologies:                      Interval 1: Section 1, 0 cm to Section 2, 45 cm: greenish gray (5GY 5/1) SILTY CLAY to CLAY form 70% of this interval, and light olive gray (5Y 6/1) NANNOFOSSIL CLAY 20%.                      Interval 2: Section 2, 45 cm to Core Catcher: light olive gray (5Y 6/1) NANNOFOSSIL CLAY mottled with very pale orange (10YR 7/4) NANNOFOSSIL OOZE together form 100% of this interval.</p> <p>Minor Lithologies:                      Olive gray (5Y 4/1) SILTY SAND to SANDY SILT occurs in Interval 1 in association with yellowish gray (5Y 8/1) FORAMINIFERAL SAND which occurs in single layers of 1-2 cm in thickness. Lenses of FORAMINIFERAL SAND are also common in Sections 2-4.</p> <p>General Description:                      The boundary between UNIT 1 and UNIT 2 is identified at the last sand layer at Section 2, 45 cm.                      UNIT 1: normally graded sequences, 10 to 30 cm thick, as described for previous cores.                      UNIT 2: Intensively mottled NANNOFOSSIL CLAY and OOZE. In Section 3, 114-140 cm several pyrite and carbonate concretions, metamorphic rock fragments (&lt;1 cm) and a few gastropods (0.5 cm) occur.</p>
2	[Pattern]	2		S			5Y 6/1 To 5Y 8/1	
3	[Pattern]	3		S P S			10YR 7/4 To 5Y 8/1	
4	[Pattern]	4		P				
5	[Pattern]	CC				S P S M		



SITE 899 HOLE A CORE 7R

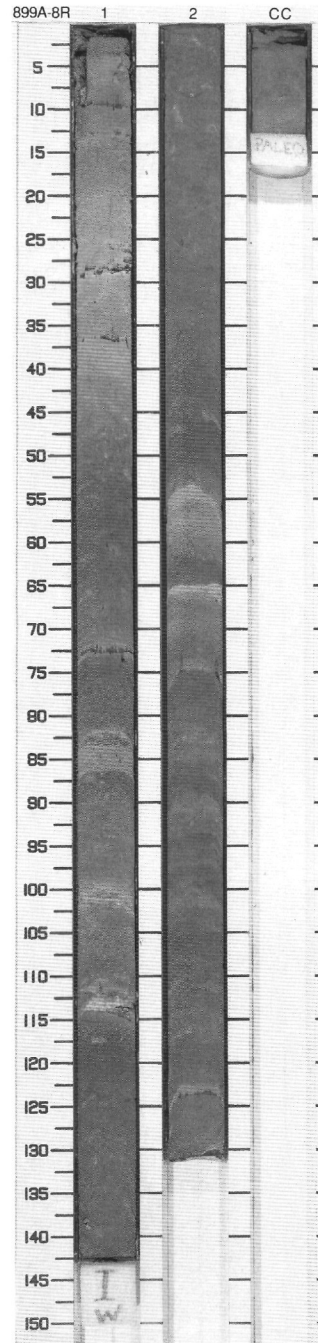
CORED 139.0 - 148.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Miocene	~ ~ ~ ~	---	S P S M	10YR 4/2 To 5Y 2/1	<p>NANNOFOSSIL CLAY</p> <p>Major Lithology: Intensively mottled light olive gray (5Y 6/1), olive gray (5Y 4/1), yellowish gray (5Y 8/1) and dark yellowish brown (10YR 4/2) CALCAREOUS CLAY dominate this core.</p> <p>Minor Lithology: Lenses of light olive gray (5Y 6/1) SILTY FORAMINIFERAL SAND occur in the core.</p> <p>General Description: Homogeneous sediment, with thin color banding of light olive gray (5Y 6/1) and dark yellowish orange (10YR 4/2) CALCAREOUS CLAY occurs in this core.</p>



SITE 899 HOLE A CORE 8R CORED 148.7 - 158.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Miocene	}}	-	P	10YR 6/2 To 10YR 5/4	<p><b>CALCAREOUS CLAY TO NANNOFOSSIL CLAY</b></p> <p>Major Lithology: Intensively mottled pale yellowish brown (10YR 6/2), light olive gray (5Y 6/1) to moderate yellowish brown (10YR 5/4) CALCAREOUS CLAY to NANNOFOSSIL CLAY forms 90% of the core.</p> <p>Minor Lithology: Lenses of light olive gray (5Y 6/1) SILTY SAND to FORAMINIFERAL SILTY SAND and white (N9) FORAMINIFERAL SAND form 10% of the core.</p> <p>General Description: Homogenous CALCAREOUS CLAY TO NANNOFOSSIL CLAY with single layers of white FORAMINIFERAL SAND occur throughout the core.</p>
2		2		S		S		
		CC		}}		M		





SITE 899 HOLE A CORE 9R

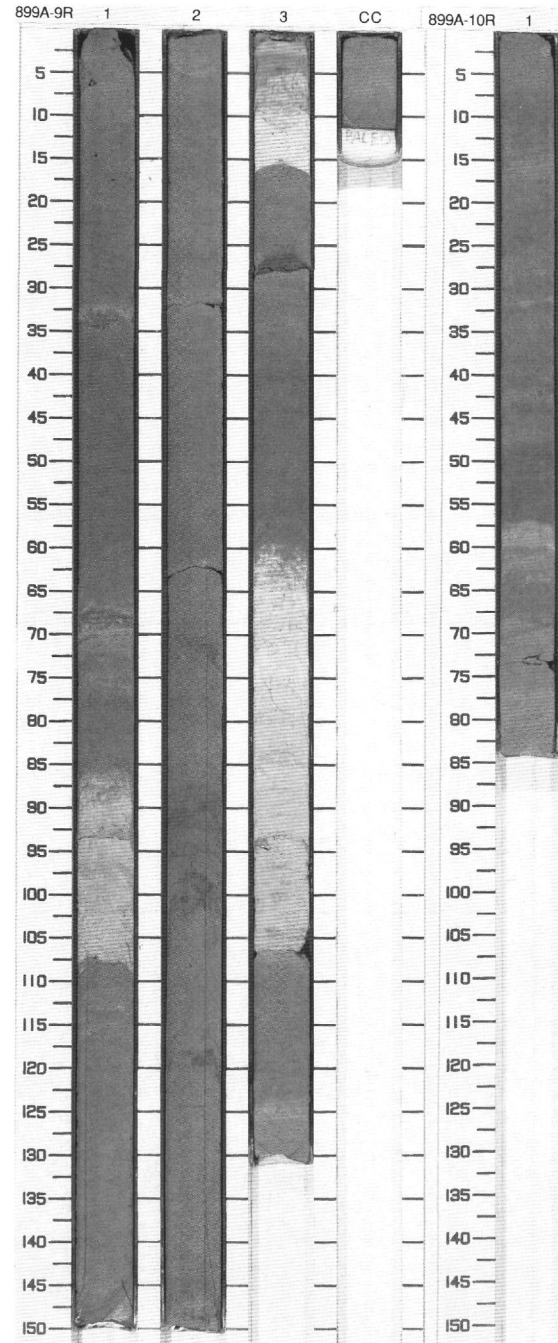
CORED 158.3 - 168.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lithology: Dotted pattern]	1	late Miocene	[Structure: wavy lines]	-	S	10YR 4/2 To 5Y 8/1	<p><b>CALCAREOUS CLAY</b></p> <p>Major Lithology: Intensively mottled dark yellowish brown (10YR 4/2) homogenous CALCAREOUS CLAY dominates the core, forming about 90%.</p> <p>Minor Lithologies: Greenish gray (5GY 6/1) SILTY SAND to SANDY SILT forms about 5% of the core, as does dark yellowish brown (10YR 4/2) CLAY.</p> <p>General Description: Intensively mottled CALCAREOUS CLAY with parallel-laminated layers of sandy silt to silty sand occur in Sections 1 and 3, but are absent in Section 2.</p>
2		P						
3		S S P						
4		M						
		CC						

SITE 899 HOLE A CORE 10R

CORED 168.0 - 177.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
	[Graphic Lithology: Dotted pattern]	1	late Mio.	[Structure: wavy lines]	-	P	10YR 4/2	<p><b>CALCAREOUS CLAY</b></p> <p>Major Lithology: Mottled dark yellowish brown (10YR 4/2), greenish gray (5GY 6/1) and yellowish gray (5Y 8/1) CALCAREOUS CLAY forms 99% of the core.</p> <p>Minor Lithologies: Thin SANDY SILT lenses of greenish gray (5GY 6/1) color occur in the upper part of the core (0-45 cm).</p> <p>General Description: Homogeneous, mottled CALCAREOUS CLAY with thin sand lenses occurs in the upper part of the core. Below 59 cm the color becomes lighter, changing from dark yellowish brown (10YR 4/2) to pale yellowish brown (10YR 6/2).</p>
		CC				M		



SITE 899 HOLE A CORE 11R CORED 177.6 - 187.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lith. 1]	1	Middle Miocene	~	-	P	10YR 2/1 To 5GY 8/1	<p><b>CALCAREOUS CLAY</b></p> <p>Major Lithology: Yellowish gray (5Y 8/1) CALCAREOUS CLAY forms 80% of the core.</p> <p>Minor Lithologies: Yellowish gray (5Y 8/1) NANNOFOSSIL CLAY forms 15% of the core, dark yellowish brown (10YR 4/2) CALCAREOUS CLAY 5%, and thin (1cm) interbeds of greenish gray (5GY 6/1) SILTY SAND layers comprise less than 1%.</p> <p>General Description: Below Section 1, 90 cm the core consists of intensively mottled and bioturbated sequences showing upwards-darkening intervals, 8-15 cm thick, changing from yellowish gray (5Y 8/1) to dark yellowish brown (10YR 4/2).</p>
2	[Graphic Lith. 2]	2		~	-	P		
		CC				M		

899A 12R NO RECOVERY

SITE 899 HOLE A CORE 13R CORED 197.0 - 206.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC						<p><b>CALCAREOUS CLAY</b></p> <p>Major Lithology: Intensively mottled yellowish gray (5Y 8/1) and pale yellowish gray (10YR 7/2) CALCAREOUS CLAY occur in the core.</p> <p>General Description: A micropaleontology sample was taken at 2 cm, and yielded a middle Miocene age. A physical properties sample was taken at 5-6 cm.</p>

