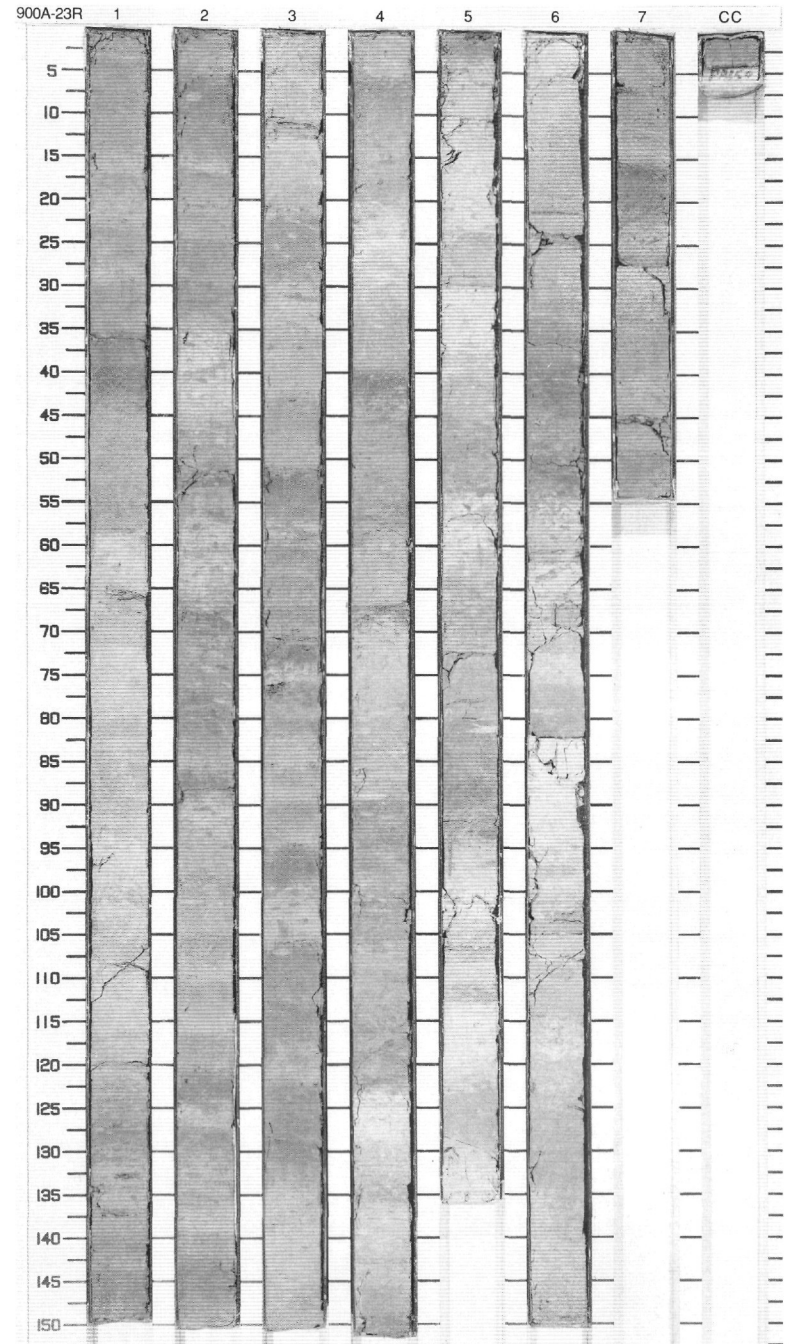


SITE 900 HOLE A CORE 23R

CORED 199.5 - 209.2 mbsf

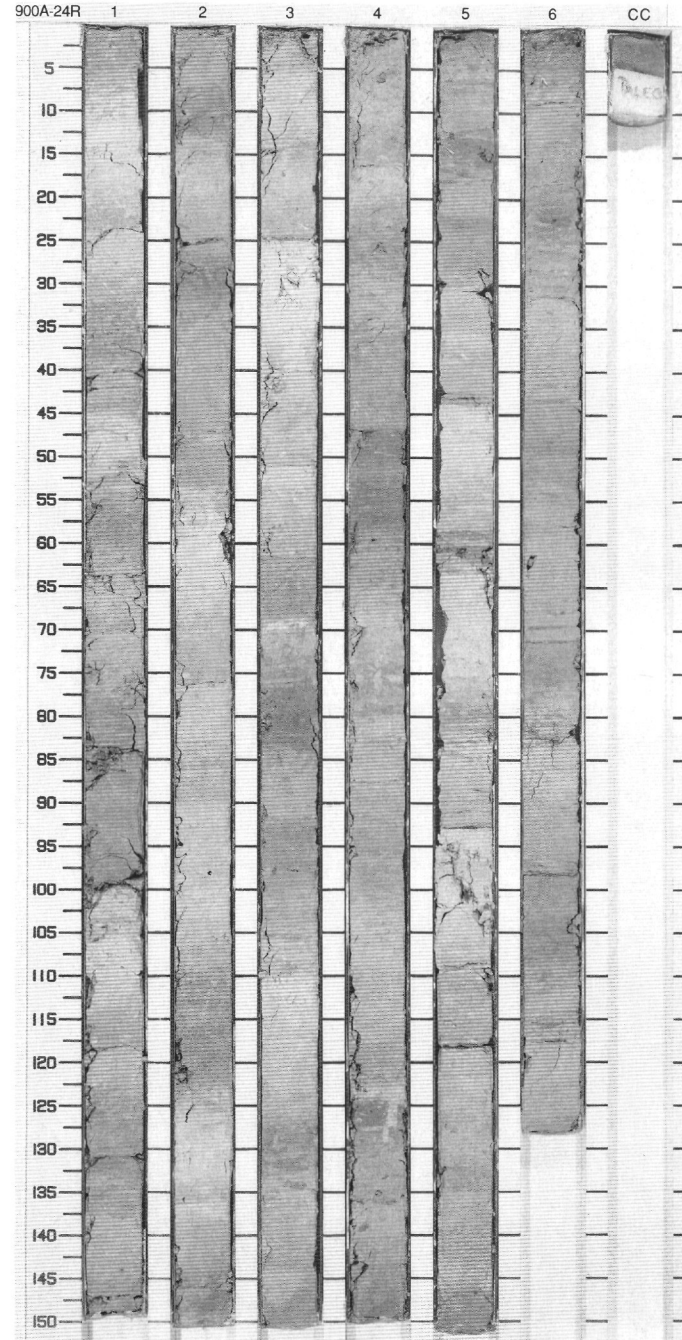
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Miocene			P	5GY 6/1 To 5GY 8/1	<p>NANNOFOSSIL CLAYSTONE and CLAYSTONE</p> <p>Major Lithologies: Highly bioturbated, light greenish gray (5GY 6/1) NANNOFOSSIL CLAYSTONE forms 60% of the core, and greenish gray (5GY 6/1) CLAYSTONE 35%.</p>
2		2		S				
3		3		P			5GY 6/1 To 5Y 4/1	<p>General Description: The core consists of several repetitive sequences containing a carbonate-rich basal SANDSTONE with nannofossils, overlain by olive gray (5Y 4/1) to greenish gray (5GY 6/1) NANNOFOSSIL CLAYSTONE. All sequences are intensively bioturbated. The ichnofauna consists of Zoophycos, Planolites, and Chondrites.</p>
4		4		P				
5		5		P				
6		6		P				
7		7		S				
8		8	P					
9		9	P					
10		10	M					



SITE 900 HOLE A CORE 24R

CORED 209.2 - 218.8 mbsf

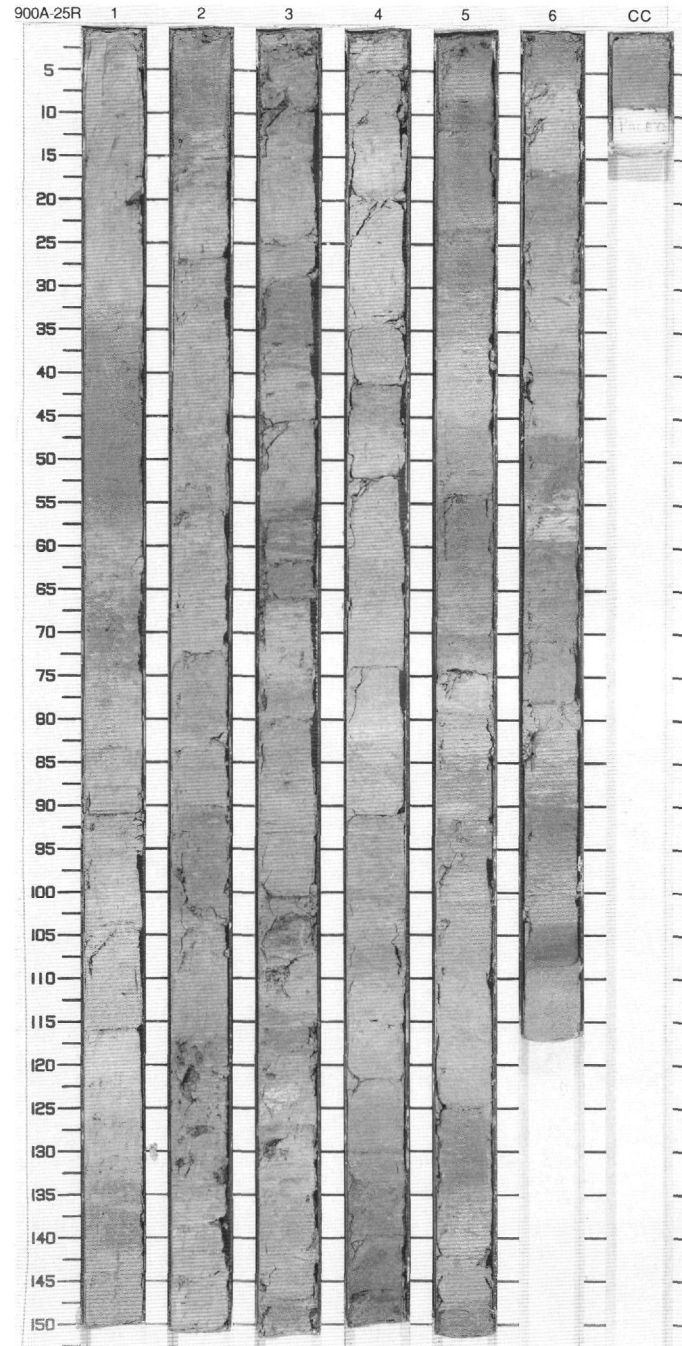
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	early Miocene	[Symbol]	[Symbol]	P	5GY 6/1 To N7	<p>NANNOFOSSIL CLAYSTONE, NANNOFOSSIL CHALK, and CLAYSTONE</p> <p>Major Lithologies: Very light gray (N7) and light greenish gray (5G 5/1) to white (N9) NANNOFOSSIL CLAYSTONE to NANNOFOSSIL CHALK together form 60% of the core and cannot be distinguished by visual inspection. Greenish gray (5G 6/1) to dark greenish gray (5G 4/1) CLAYSTONE forms 35% of the core.</p> <p>Minor Lithologies: Greenish gray (5G 6/1), foraminifer and biogenic silica-rich SILTY SANDSTONE forms around 5% of the core.</p> <p>General Description: The core consists of several repetitive, upwards-darkening sequences with carbonate-rich basal SANDSTONE, overlain by NANNOFOSSIL CLAYSTONE and CLAYSTONE. All lithologies are pervasively bioturbated and consists mostly of Zoophycos. Planolites, Chondrites, and Skolithos.</p>
2	[Pattern]	2		[Symbol]	[Symbol]	P		
3	[Pattern]	3		[Symbol]	[Symbol]	S		
4	[Pattern]	4		[Symbol]	[Symbol]	P		
5	[Pattern]	5		[Symbol]	[Symbol]	S		
6	[Pattern]	6		[Symbol]	[Symbol]	P		
7	[Pattern]	7		[Symbol]	[Symbol]	P		
8	[Pattern]	8		[Symbol]	[Symbol]	P S		
CC	[Pattern]	CC				M		



SITE 900 HOLE A CORE 25R

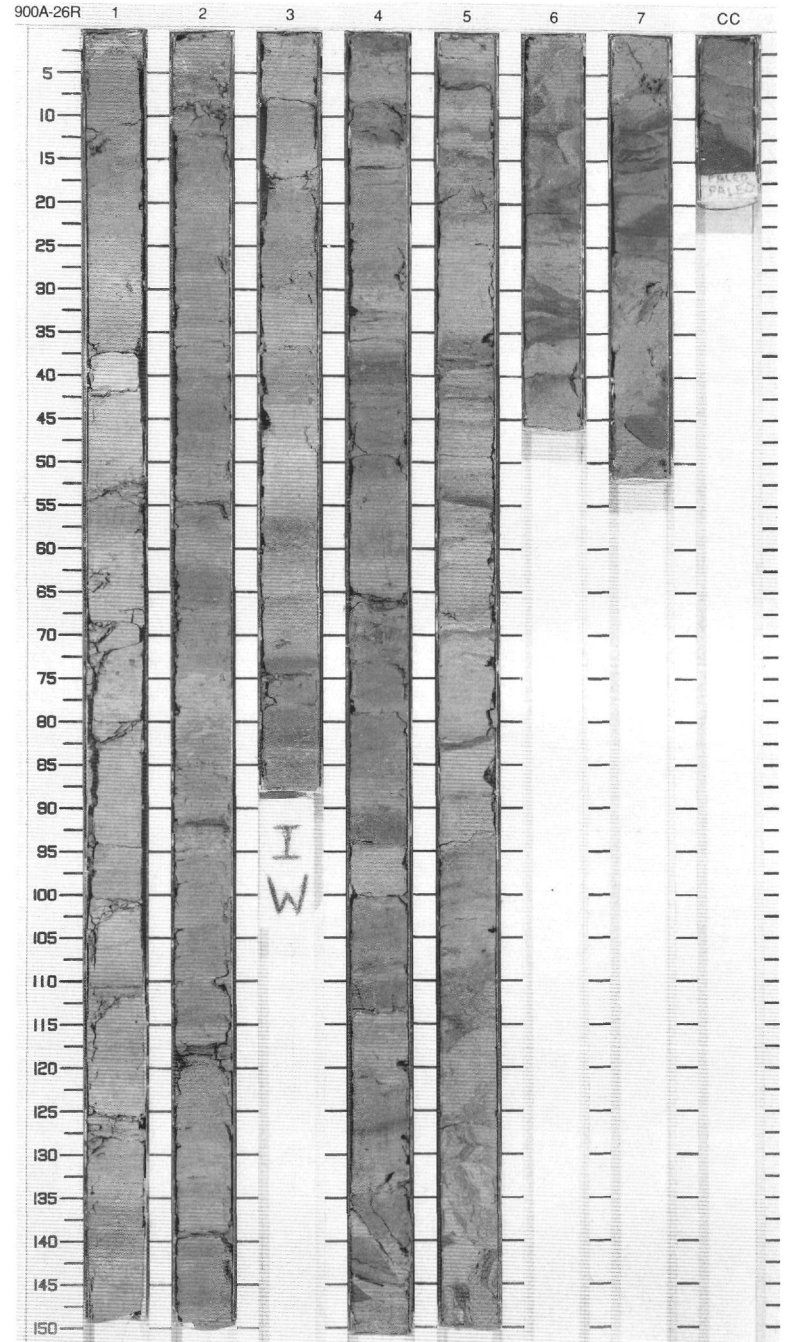
CORED 218.8 - 228.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Miocene	~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~	S P P P S P P P	<p>NANNOFOSSIL CLAYSTONE and SILTY CLAYSTONE TO CLAYSTONE</p> <p>Major Lithologies: Highly bioturbated, light greenish gray (5GY 8/1) NANNOFOSSIL CLAYSTONE forms 50% of the core, and greenish gray (5GY 6/1) SILTY CLAYSTONE to CLAYSTONE 40%.</p> <p>Minor Lithologies: Greenish gray (5G 6/1) SILTY SANDSTONE is foraminifer- and nannofossil-rich and forms 10% of the core.</p> <p>General Description: The core consists of several repetitive upwards-darkening sequences with carbonate-rich basal SILTY SANDSTONE, overlain by NANNOFOSSIL CLAYSTONE; SILTY CLAYSTONE caps the sequence. The ichnofauna includes Zoophycos, Chondrites, and mostly Planolites.</p>	
2		2		~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~	P P P P S P P P		
3		3		~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~	P P P P S P P P		
4		4		~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~	P P P P S P P P		
5		5		~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~	P P P P S P P P		
6		6		~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~	P P P P S P P P		
7		7		~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~	P P P P S P P P		
8		8		~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~	P P P P S P P P		
		cc				M		



SITE 900 HOLE A CORE 26R CORED 228.4 - 238.1 mbsf

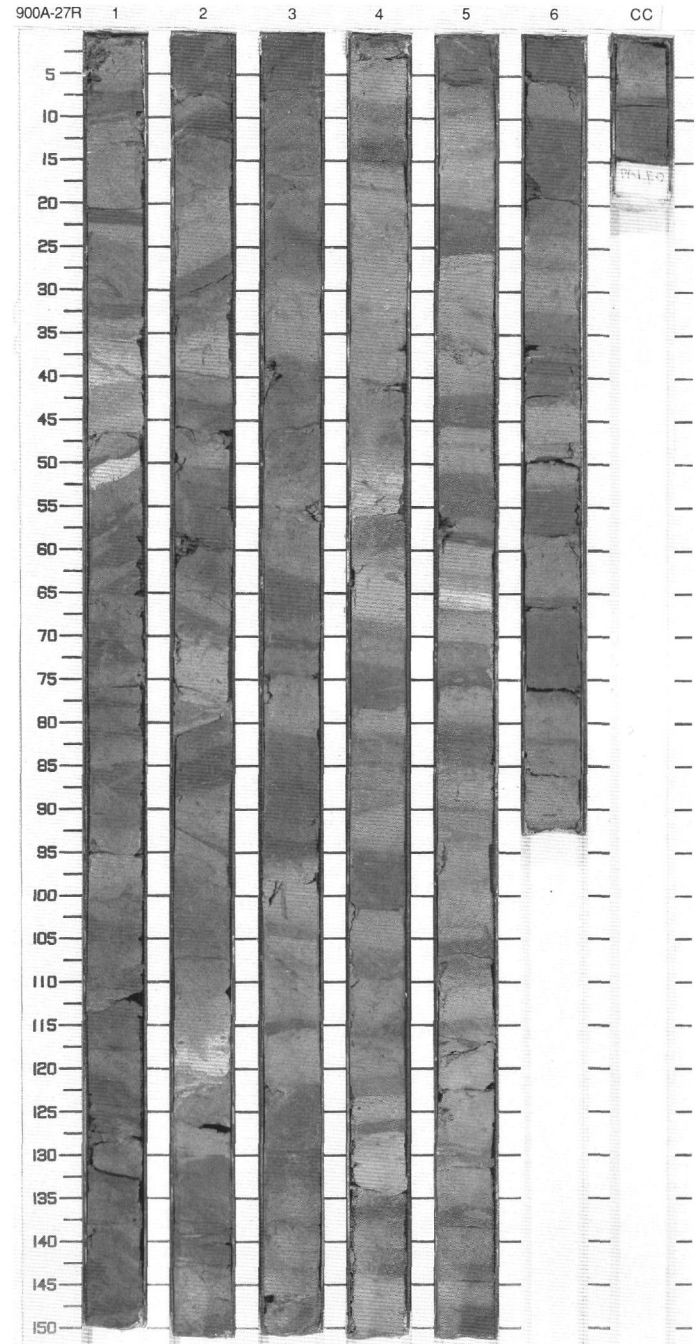
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	early Miocene	[Wavy lines]	[Zigzag lines]	P	5GY 8/1 To 5GY 6/1	<p>NANNOFOSSIL CLAYSTONE and SILTY CLAYSTONE</p> <p>Major Lithologies: Light greenish gray (5GY 8/1) NANNOFOSSIL CLAYSTONE forms 50% of the core, and greenish gray (5G 6/1) SILTY CLAYSTONE around 40%.</p> <p>Minor Lithology: Greenish gray (5G 6/1) SILTY SANDSTONE comprises 10% of the core.</p> <p>General Description: The core is highly brecciated and fractured. Most of the silty sandstone intervals are disturbed or washed by drilling. Highly bioturbated, upwards-darkening sequences are present, with abundant Zoophycos.</p>
2	[Dotted pattern]	2				S		
3	[Dotted pattern]	3				P		
4	[Dotted pattern]	4				I		
5	[Dotted pattern]	5				P		
6	[Dotted pattern]	6				S P		
7	[Dotted pattern]	7				P		
8	[Dotted pattern]	8	P M					



SITE 900 HOLE A CORE 27R

CORED 238.1 - 247.8 mbsf

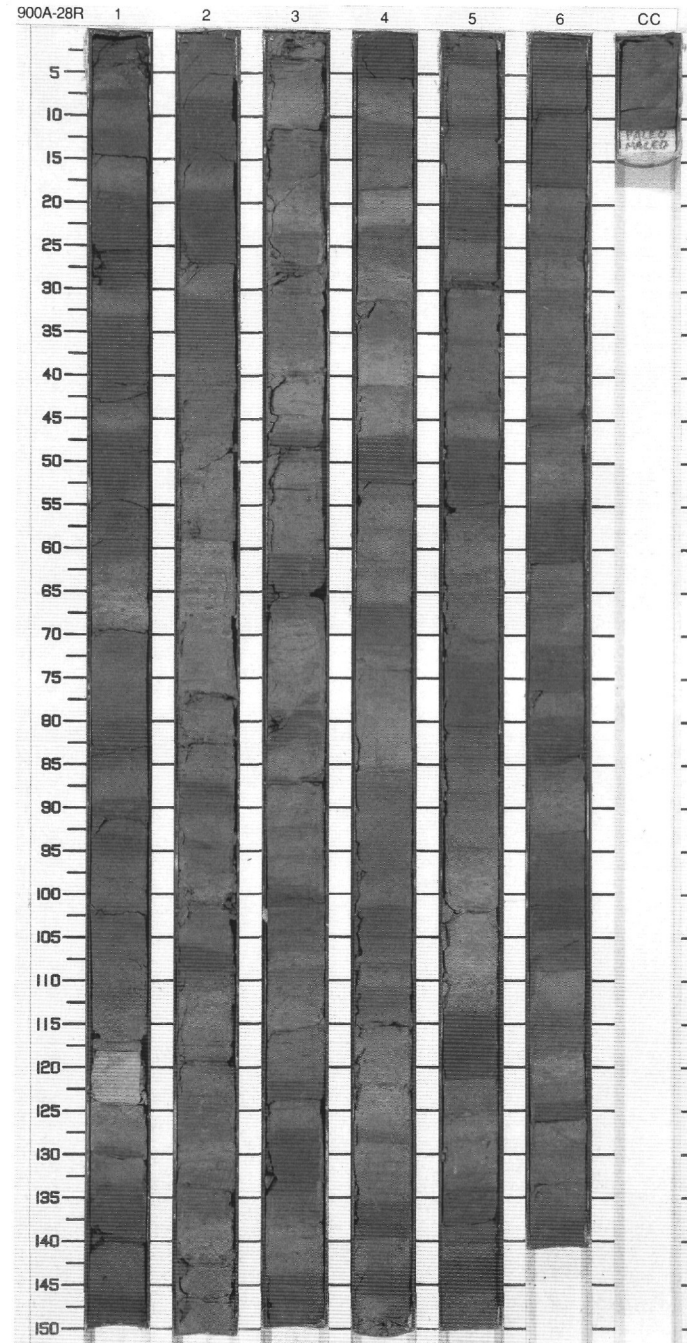
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Symbol]	1	early Miocene	}}	[Symbol]	P	5Y 4/1 To 5Y 6/1	<p>CLAYSTONE, SILTY CLAYSTONE and NANNOFOSSIL CLAYSTONE</p> <p>Major Lithologies: Medium gray (N3) and greenish gray (5GY 6/1) CLAYSTONE forms around 60% of the core and olive gray (5Y 4/1) SILTY CLAYSTONE 20%.</p> <p>Minor Lithologies: NANNOFOSSIL CLAYSTONE is light greenish gray (5GY 6/1) in color and forms 10% of the core. Olive gray (5GY 4/1) SILTY SANDSTONE forms 10% of the core; it is very fine-grained and contains biogenic material (foraminifera, siliceous material, and nannofossils).</p> <p>General Description: Sections 1 and 2 of this core are highly brecciated and fractured. Slump structures are visible. In general the core consists of several upwards-darkening, sharp-based sequences, with basal SANDSTONE overlain by normally graded SILTY CLAYSTONE, followed by intensely bioturbated CLAYSTONE or NANNOFOSSIL CLAYSTONE. Zoophycus and unidentified burrows occur throughout. Manganese-rich, grayish red purple (5 RP 4/2) laminae are common.</p>
2	[Symbol]	2		}}		P		
3	[Symbol]	3		Mn		P		
4	[Symbol]	4		Mn		S		
5	[Symbol]	5		Mn		P		
6	[Symbol]	6		Mn		S		
7	[Symbol]	7		Mn		P		
8	[Symbol]	8		Mn		M		
CC	[Symbol]	CC						



SITE 900 HOLE A CORE 28R

CORED 247.8 - 257.5 mbsf

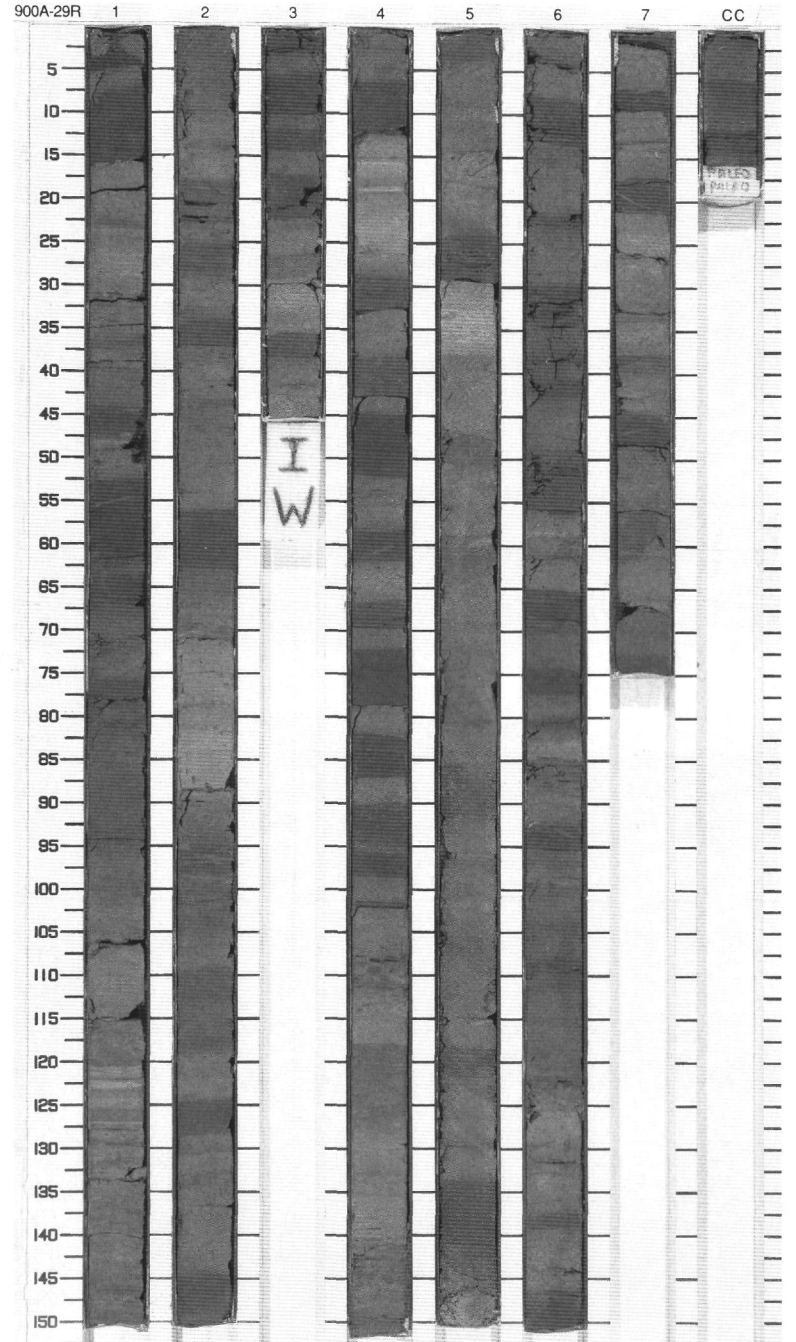
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Dotted pattern]	1	early Miocene	}}	[Vertical line]	P	5G 6/1 To 5GY 6/1	CLAYSTONE WITH SILT and NANNOFOSSIL CLAYSTONE	
2	[Dotted pattern]	2		}}>				S P	Major Lithologies: CLAYSTONE WITH SILT occurs in two distinct color varieties: darker greenish gray (5G 6/1) forms 40% of the core, and olive gray (5Y 4/1) and greenish gray (5GY 6/1) NANNOFOSSIL CLAYSTONE forms 60% of the core.
3	[Dotted pattern]	3		}}				S	Minor Lithology: SANDSTONE intervals, 1-5 mm thick, are olive gray in color, and usually occur at the bases of olive gray CLAYSTONE WITH SILT beds. Some show indistinct wavy lamination, and occasionally several layers of sand are separated by thin claystone (1-5 mm) beds.
4	[Dotted pattern]	4		}}				P	General Description: Sharp-based upwards-darkening sequences occur over most of the core, and range in thickness from 5 to 15 cm. They consist of lighter greenish gray NANNOFOSSIL CLAYSTONE overlain by slightly darker CLAYSTONE WITH SILT. Frequently olive gray CLAYSTONE WITH SILT occurs at the base of the sequences, and sometimes contains a basal SANDSTONE layer. Chondrites are common in the CLAYSTONE WITH SILT, and Zoophycos is present.
5	[Dotted pattern]	5		}}				P	
6	[Dotted pattern]	6		}}				P	
7	[Dotted pattern]	7		}}				P	
8	[Dotted pattern]	8		}}				P	
9	[Dotted pattern]	9		}}				M	



SITE 900 HOLE A CORE 29R

CORED 257.5 - 267.1 mbsf

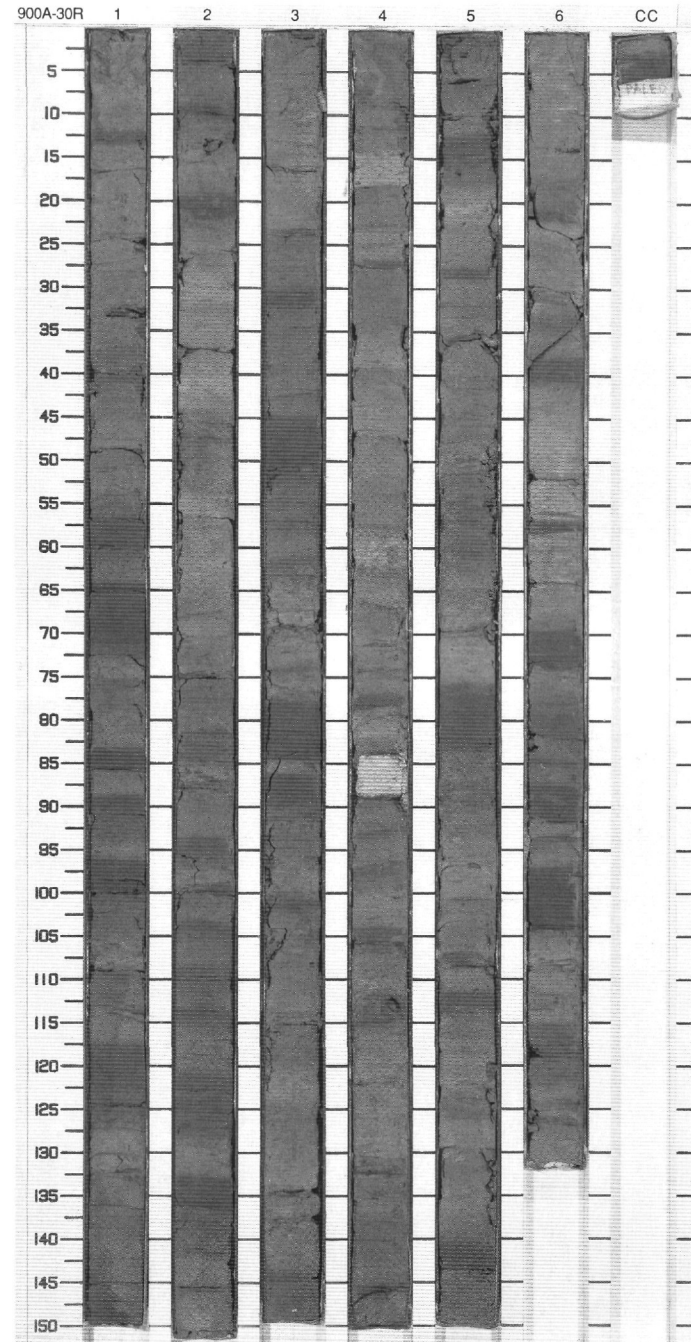
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		}}		P		CLAYSTONE WITH SILT and NANNOFOSSIL CLAYSTONE Major Lithologies: Dark greenish gray (5GY 4/1) CLAYSTONE WITH SILT forms 70% of the core, and olive gray (5Y 4/1) to light olive gray (5Y 6/1) NANNOFOSSIL CLAYSTONE 30%.
2	[Dotted pattern]	2		}}		P		Minor Lithology: Olive gray (5Y 4/1) to greenish gray (5G 6/1) SANDSTONE forms 1% of the core.
3	[Dotted pattern]	3		}}		P		General Description: The core consists of upwards-darkening sequences, 5-20 cm thick, formed by olive gray and light olive gray NANNOFOSSIL CLAYSTONE overlain by dark greenish gray CLAYSTONE WITH SILT. Lenticular and discontinuous SANDSTONE layers, generally 1-3 mm thick, locally under the olive gray CLAYSTONE WITH SILT in which Zoophycos, Chondrites, and possibly Planolites occur.
4	[Dotted pattern]	4		}}		P	5GY 4/1 To 5Y 6/1	
5	[Dotted pattern]	5		}}		S		
6	[Dotted pattern]	6		}}		P		
7	[Dotted pattern]	7		}}		P		
9	[Dotted pattern]	CC		}}		M		



SITE 900 HOLE A CORE 30R

CORED 267.1 - 276.7 mbsf

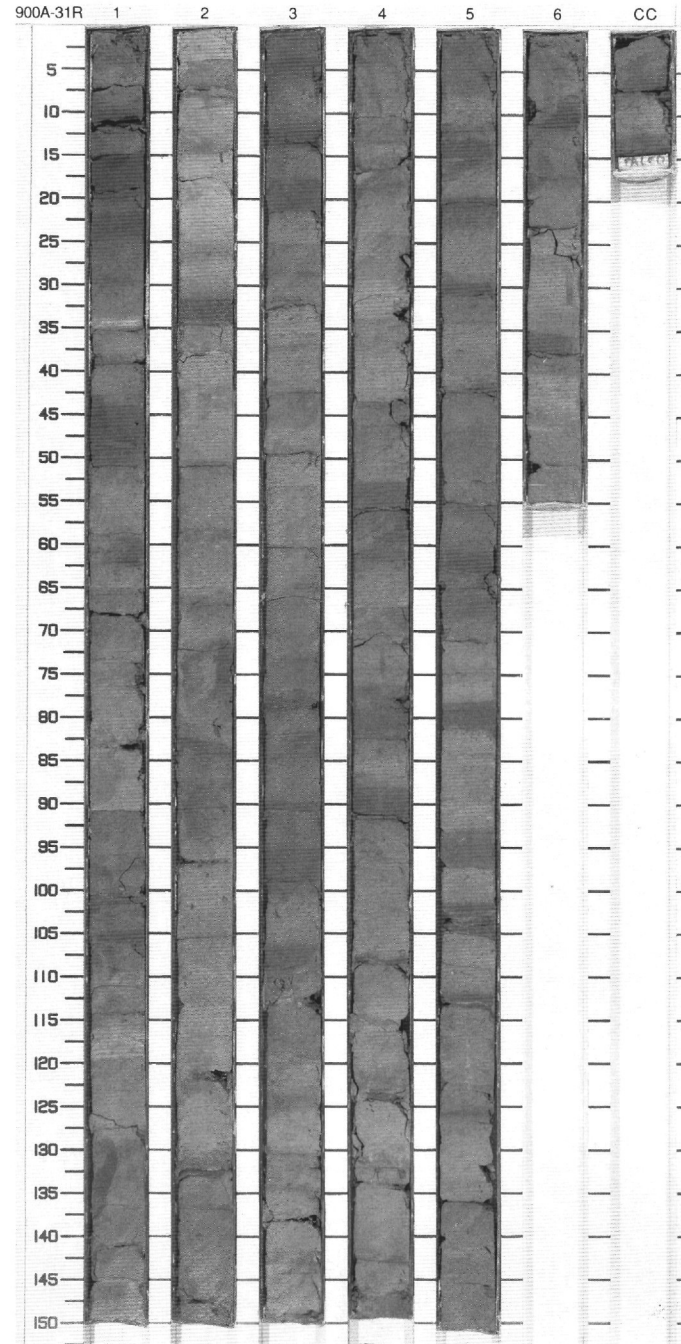
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	early Miocene	}}	/	P	5GY 4/1 To 5GY 5/1	NANNOFOSSIL CLAYSTONE and CLAYSTONE WITH SILT
2	[Dotted pattern]	2		}}	/	P		Major Lithologies: Greenish gray (5GY 4/1) and olive gray (5Y 4/1) NANNOFOSSIL CLAYSTONE forms 60% of the core, and greenish gray (5GY 5/1) CLAYSTONE WITH SILT 40%.
3	[Dotted pattern]	3		}}	/	P		Minor Lithologies: SANDSTONE intervals, 1-5 mm thick, are olive gray (5Y 4/1) or greenish gray (5GY 5/1) in color, and sometimes shows indistinct wavy lamination. NANNOFOSSIL CHALK is light gray (N7), and occurs only in Section 4, 84-89 cm.
4	[Dotted pattern]	4		}}	/	P		General Description: Sharp-based upwards-darkening sequences, 5-15 cm thick, occur throughout the core. Some consist of lighter greenish gray NANNOFOSSIL CLAYSTONE overlain by CLAYSTONE WITH SILT, but a significant number commence with olive gray NANNOFOSSIL CLAYSTONE, often with SANDSTONE at the base. Chondrites is common, and Zoophycos and Planolites are present.
5	[Dotted pattern]	5		}}	/	P		
6	[Dotted pattern]	6		}}	/	S		
7	[Dotted pattern]	7		}}	/	P		
8	[Dotted pattern]	8		}}	/	P		
9	[Dotted pattern]	9		}}	/	M		



SITE 900 HOLE A CORE 31R

CORED 276.7 - 286.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1	early Miocene	[Wavy pattern]	[Vertical lines]	P S P P P S S S P	5G 4/1 To 5G 6/1	SILTY CLAYSTONE Major Lithology: Dark greenish gray (5G 4/1) SILTY CLAYSTONE comprises about 80% of the core. Minor Lithologies: Light gray (N7) to greenish gray (5G 6/1) NANNOFOSSIL CLAYSTONE WITH SILT makes up about 14% of the core, olive gray CLAYSTONE WITH SILT 5%, and olive gray (5Y 4/1) to greenish gray (5GY 6/1) SILTY SANDSTONE 1%. General Description: The core consists of bands of SILTY CLAYSTONE alternating with lesser amounts of CLAYSTONE WITH SILT, NANNOFOSSIL CLAYSTONE WITH SILT, and SILTY SANDSTONE. The SILTY SANDSTONE locally underlies the CLAYSTONE WITH SILT, and ranges up to 3 cm in thickness. The sand layers are also parallel laminated and in places appear cross laminated. Zoophycos, Chondrites, and Planolites occur in the core, with Chondrites being the most abundant trace fossil.
2	[Hatched pattern]	2						
3	[Hatched pattern]	3						
4	[Hatched pattern]	4						
5	[Hatched pattern]	5						
6	[Hatched pattern]	6						
7	[Hatched pattern]	7						
8	[Hatched pattern]	8						
		CC				M		



SITE 900 HOLE A CORE 32R

CORED 286.4 - 296.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	early Miocene	}}		P	5GY 2/1 To 5GY 6/1	<p>SILTY CLAYSTONE and NANNOFOSSIL CLAYSTONE</p> <p>Major Lithologies: Greenish gray (5GY 5/1, 4/1) SILTY CLAYSTONE forms 70% of the core, and light olive gray (5Y 6/1) and olive gray (5Y 4/1) NANNOFOSSIL CLAYSTONE 30%.</p> <p>Minor Lithology: Olive gray (5Y 4/1) SANDSTONE forms less than 1% of the core, and occurs at the bases of beds of SILTY CLAYSTONE of the same color, and is finely laminated, and occasionally burrowed; the greenish gray (5GY) variety occurs in clay lithologies within burrows.</p> <p>General Description: Sharp based upwards-darkening sequences occur in most of the core. Some consist of greenish gray NANNOFOSSIL CLAYSTONE overlain by darker SILTY CLAYSTONE, but others have an olive gray colored basal interval of NANNOFOSSIL CLAYSTONE. Chondrites is common, and Planolites also occurs, but Zoophycos is not as common as in higher cores.</p>
2	[Pattern]	2		}}		P		
3	[Pattern]	3		}}		I		
4	[Pattern]	4		}}		S P		
5	[Pattern]	5		}}		S P		
6	[Pattern]	6		}}		S P		
7	[Pattern]	6		}}		P		
8	[Pattern]	CC		}}		M		

