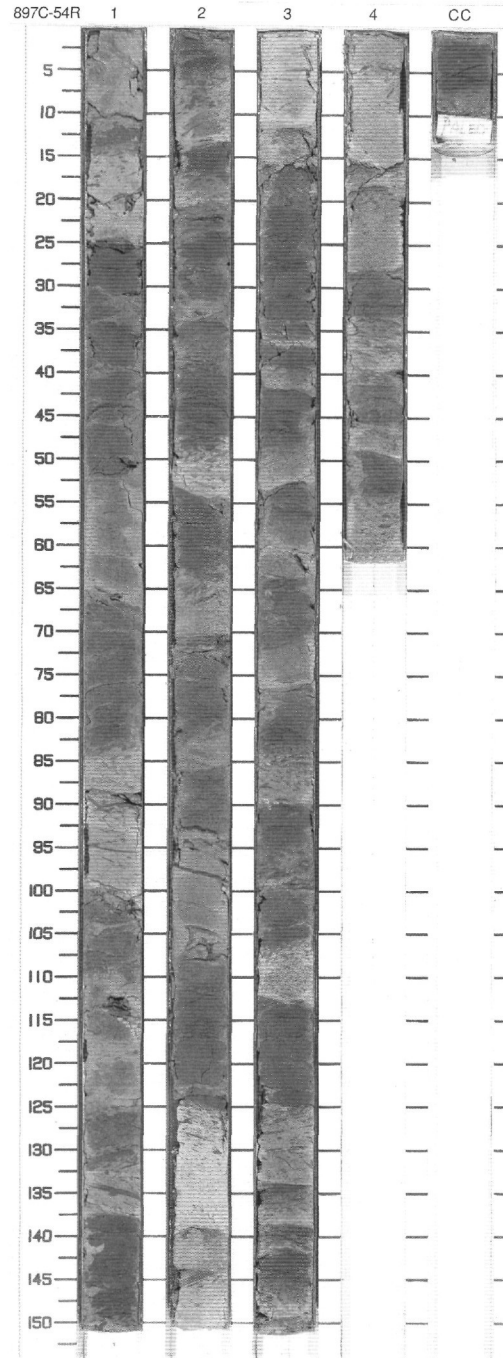


SITE 897 HOLE C CORE 54R

CORED 561.8 - 571.5 mbsf

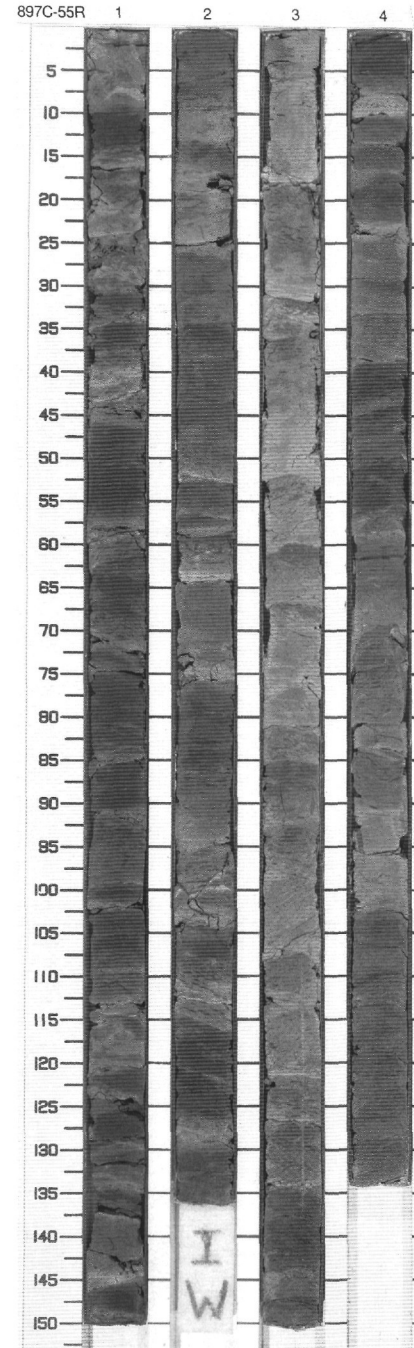
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	middle Eocene	[Symbol]	[Symbol]	P	5G 5/2 To 5G 8/1	<p>SILTY CLAYSTONE TO CLAYEY SILTSTONE, CALCAREOUS CLAYSTONE</p> <p>Major Lithology: Grayish green (5G 5/2) SILTY CLAYSTONE to CLAYEY SILTSTONE and light greenish gray (5G 8/1) CALCAREOUS CLAYSTONE.</p> <p>Minor Lithology: Greenish gray (5G 6/1) CALCAREOUS SILTY SANDSTONE, greenish black (5G 2/1) SILTY SANDSTONES.</p> <p>General Description: The core consist of alternating medium color bedded SILTY CLAYSTONE TO CLAYEY SILTSTONE and CALCAREOUS CLAYSTONE, interbedded with CALCAREOUS SILTY SANDSTONE. The interbedded unit show a typical graded sequence. Slump structures including sandy and clayey intervals are visible. Medium dark gray (N4) probable manganese laminae occur throughout the core. Ichnofauna consists of Zoophycus, Planolites, and Chondrites.</p>
2	[Pattern]	2		[Symbol]	[Symbol]	P S		
3	[Pattern]	3		[Symbol]	[Symbol]	S		
4	[Pattern]	4		[Symbol]	[Symbol]	P P		
5	[Pattern]	CC		[Symbol]	[Symbol]	P M		



SITE 897 HOLE C CORE 55R

CORED 571.5 - 581.1 mbsf

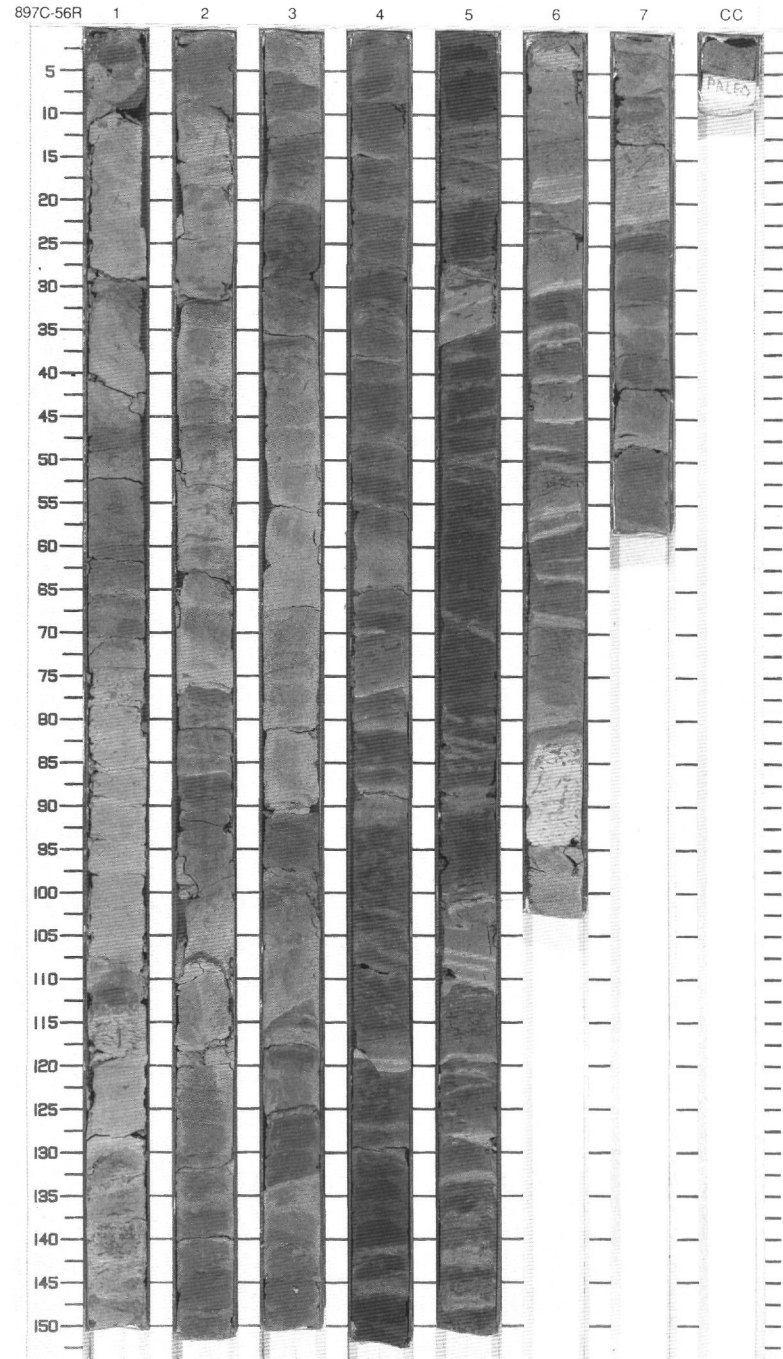
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	middle Eocene			S	10Y 4/2 To 10YR 5/4	<p>SANDY SILTY CLAYSTONE</p> <p>Major Lithology: Dark yellowish brown (10YR 4/2) SANDY SILTY CLAYSTONE with 50% clay and equal proportions of sand and silt.</p>
2		2				P		
3		3				I	5G 6/1 To 10Y 5/4	<p>Minor Lithologies: CALCAREOUS SILTY CLAYSTONE moderate yellowish brown (10YR 5/4) with about 20% mica, 15% nannofossils, and 10% inorganic carbonate. Greenish gray (5GY 5/1) SANDY SILTSTONE with 25% mica and around 10% nannofossils. Greenish gray (5GY 6/1) SILTY CLAYEY SANDSTONE (5GY 6/1) with 25% mica and ca 10% nannofossils.</p>
4		4				P		
5		5				S		<p>General Description: The core shows a series of color banded units. In 149-897C-55R-1 to -2 the units are predominantly thin, with SILTY CLAYEY SANDSTONE at base, following SANDY SILTSTONE and CALCAREOUS SILTY CLAYSTONE, at the top SANDY SILTY CLAYSTONE is visible. Burrow mottling by Planolites and Chondrites is common in the middle part. In 149-897C-55R-3 and -4 the SANDY SILTY CLAYSTONE occurs infrequently, and at the bottom of 149-897C-55R-4 at 100-135 cm, SANDY SILTSTONES and SILTY CLAYEY SANDSTONES lack color banding and may contain small scale cross-stratification.</p>
						M		



SITE 897 HOLE C CORE 56R

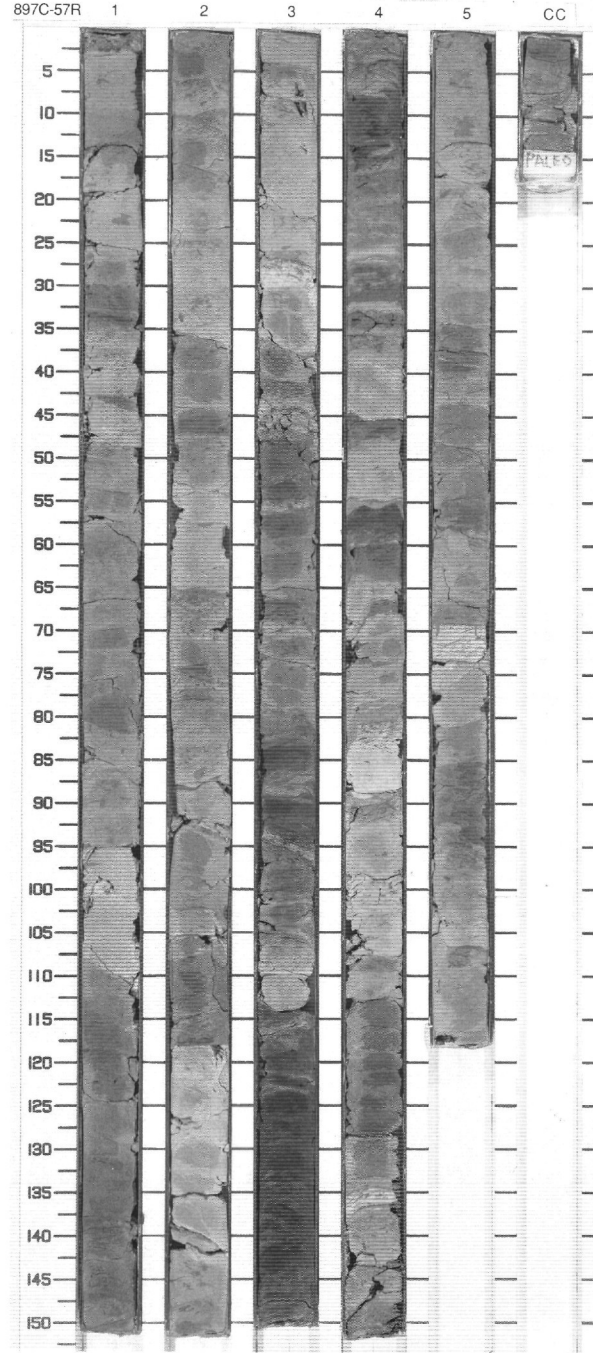
CORED 581.1 - 590.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	middle Eocene	~		P	5GY 4/1 To 5G 4/1	<p>NANNOFOSSIL SILTY CLAYSTONE and SILTY CLAYSTONE</p> <p>Major Lithologies: NANNOFOSSIL SILTY CLAYSTONE varies from greenish gray (5GY 4/1) to dark greenish gray (5G 4/1) to pale yellowish brown (10YR 6/2). The greenish gray and dark greenish gray varieties are prevalent in Sections 1-3 and in Section 7. The pale yellowish brown type is most common in Section 6. Moderate brown SILTY CLAYSTONE is abundant in Sections 5 and 6. A gradual transition occurs from the greenish claystone to the brown claystones.</p>
2	[Pattern]	2				S		
3	[Pattern]	3				P		
4	[Pattern]	3				P	5GY 4/1 To 5YR 3/4	<p>Minor Lithologies: Greenish gray (5GY 4/1) NANNOFOSSIL CLAYSTONE comprises about 50% of Section 7, but is not a common component of the core. Laminated greenish gray (5GY 4/1) CALCAREOUS SILTY SAND is generally one centimeter or less in thickness and does not exceed 1% of any section.</p> <p>General Description: Infrequently occurring banded sequences, where present, may consist of a basal CALCAREOUS SILTY SAND which is progressively overlain by greenish gray and dark greenish gray NANNOFOSSIL SILTY CLAYSTONES. In Sections 5 and 6, moderate brown SILTY CLAYSTONES and pale yellowish brown NANNOFOSSIL SILTY CLAYSTONES replace the greenish NANNOFOSSIL SILTY CLAYSTONES in the sequence.</p>
5	[Pattern]	4				P		
6	[Pattern]	5				S		
7	[Pattern]	5				P	5GY 4/1 To 10YR 6/2	
8	[Pattern]	6				S		
9	[Pattern]	7				P	5G 4/1	
9	CC	CC			S	M		



SITE 897 HOLE C CORE 57R CORED 590.7 - 600.5 mbsf

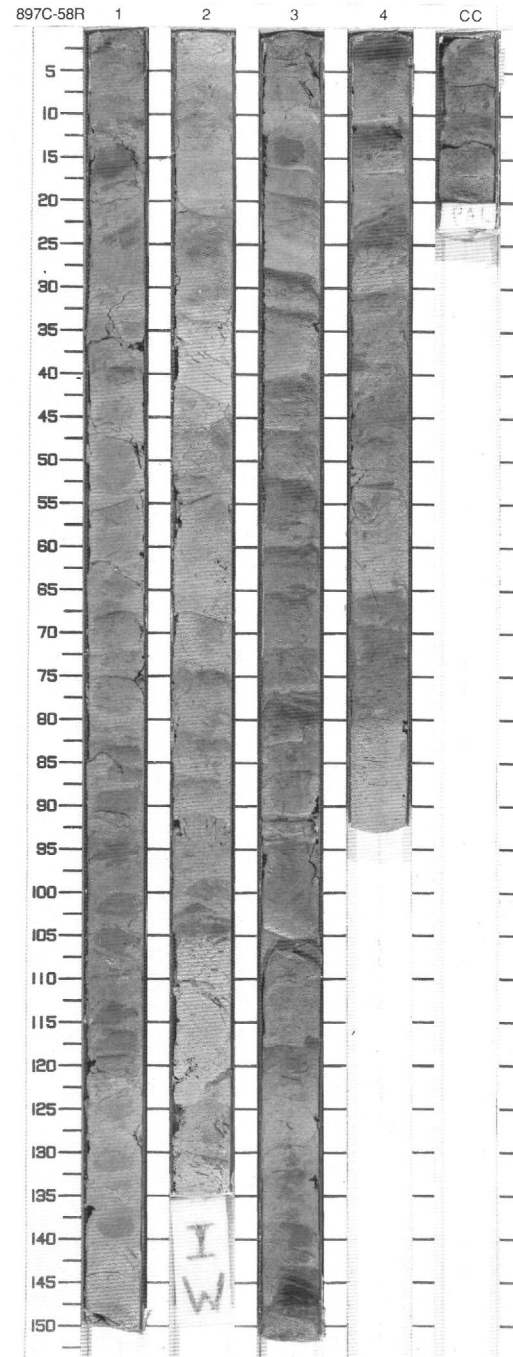
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lithology: Dotted pattern]	1	middle Eocene	[Structure: Wavy lines]	[Disturb: Dashed line]	S P	5G 5/1 To 5GY 5/1	<p>CLAYSTONE and NANNOFOSSIL SILTY CLAYSTONE</p> <p>Major Lithologies: CLAYSTONE is mostly darker shades of gray (5GY 4/1, 5G 5/1, 5Y 4/1), but moderate brown (5YR 3/4) and moderate yellowish brown (10YR 5/4) also occur. Gray varieties contain nannofossils and some inorganic carbonate, whereas brown sediments virtually lack the carbonate component.</p> <p>NANNOFOSSIL SILTY CLAYSTONE occurs as lighter gray sediments (5GY 5/1-6/1; 5G 5/1-6/1; 5Y 5/1-6/1) with a similar composition to the CLAYSTONES except for a higher proportion of nannofossils.</p> <p>Minor Lithologies: NANNOFOSSIL CHALK is light gray (N7) or light bluish gray (5B 7/1) in color; it occurs at: 95-110 cm, Section 1; 121-127 cm, Section 3; 70-74 cm, Section 5.</p> <p>Light bluish gray (5B 7/1) CALCAREOUS SANDY SILT occurs at 108-115 cm, Section 3, and contains some mica and an unusually high proportion of foraminifera; it shows planar lamination.</p> <p>General Description: In several places strata are dipping: the maximum dip observed was 20 degrees. The only darkening upward sequences involve brown colored sediments which are burrow mottled with gray sediments. Planolites and Chondrites are common.</p>
2							5G 5/1 To 5GY 5/1	
3							N7	
4							5Y 4/1 To 10Y 5/4	
5							5G 4/1 To 5GY 5/1	
6							5G 4/1	
7							5G 4/1	
		CC				M		



SITE 897 HOLE C CORE 58R

CORED 600.5 - 610.1 mbsf

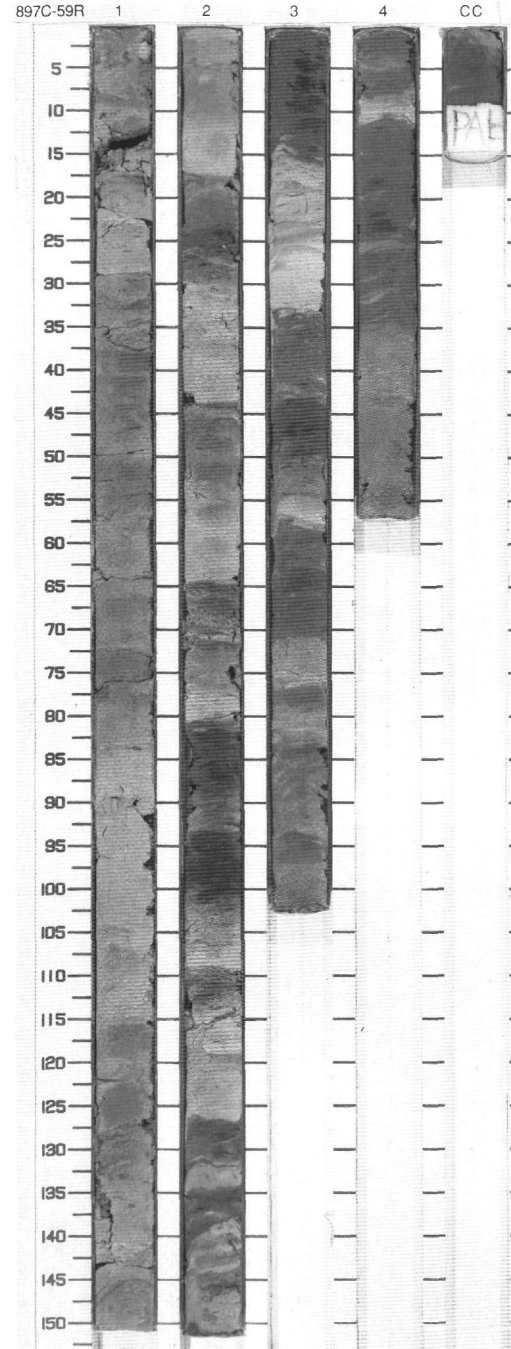
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	middle Eocene	[Wavy lines]	[Vertical lines]	P	5G 6/1 To 5G 4/1	<p>CLAYSTONE</p> <p>Major Lithology: Dark greenish gray (5G 4/1) CLAYSTONE is typically intermixed with other lithologies, although it does occur as distinct zones up to 10 cm thick.</p> <p>Minor Lithologies: NANNOFOSSIL CLAYSTONE is greenish gray (5G 4/1); SILTY CLAYSTONE is dark greenish gray (5G 4/1) to moderate brown (5YR 4/4). NANNOFOSSIL CHALK varies from light olive gray (5Y 6/1) to pale yellowish brown (10YR 6/2) and is first prominent at the base of Section 2.</p> <p>General Description: Color banding in Section 3 results from a thin interval of NANNOFOSSIL CLAYSTONE, which is not present in the entire sequence, overlain by CLAYSTONE. NANNOFOSSIL CHALK overlies the CLAYSTONE and the sequence is capped by a thin interval of SILTY CLAYSTONE. This banded sequence ranges from 4 to 8 cm in thickness. Maximum dip on beds is 15 degrees.</p>
2	[Dotted pattern]	2				S		
3	[Dotted pattern]	3				S		
4	[Dotted pattern]	4				S		
5	[Dotted pattern]	CC				P		
						M		



SITE 897 HOLE C CORE 59R

CORED 610.1 - 619.7 mbsf

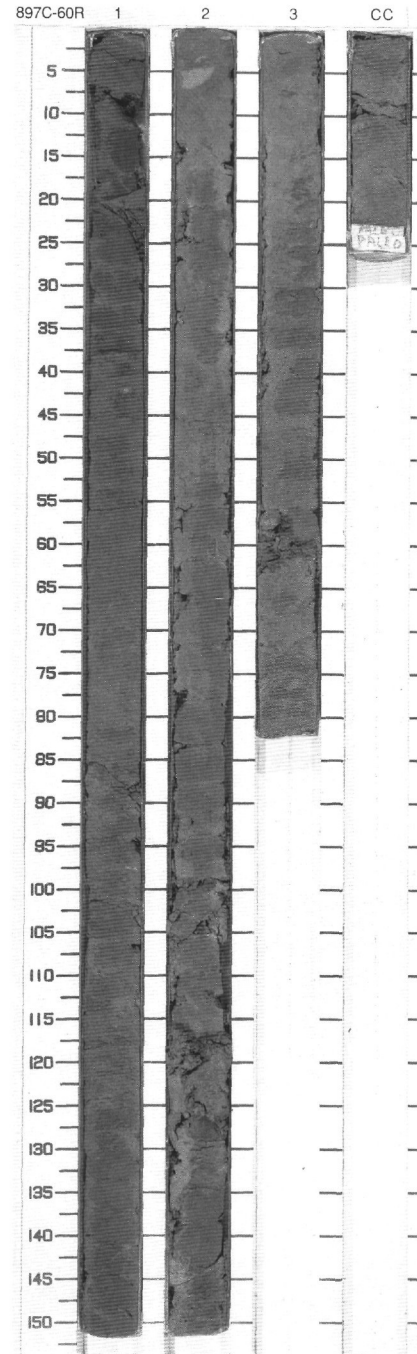
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	middle Eocene	[Pattern]	[Pattern]	P	5G 6/1 To 5Y 5/1	<p>SILTY CLAYSTONE and NANNOFOSSIL CLAYEY SILTSTONE</p> <p>Major Lithologies: SILTY CLAYSTONE varies from moderate brown (5YR 3/4 to 5YR 4/4) to dark yellowish brown (10YR 4/2). The NANNOFOSSIL CLAYEY SILTSTONE occurs as various shades of greenish gray colors (5GY 5/1 to 5GY 6/1).</p> <p>Minor Lithology: CALCAREOUS SANDY SILTSTONE occurs at 90–118 cm, Section 1 in two normally graded units, the lower one of which shows planar lamination.</p> <p>General Description: The core shows thin- to medium-bedded darkening up units with sharp bases; the lighter and darker sediments are often mixed by burrow mottling and contain Planolites and Chondrites. The darker brownish lithologies form 30%–50% of the successions in Sections 2–4. The maximum dip observed in the core is 12 degrees.</p>
2	[Pattern]	2		[Pattern]	[Pattern]	P		
3	[Pattern]	3		[Pattern]	[Pattern]	S P	5YR 3/4 To 5GY 5/1	
4	[Pattern]	4		[Pattern]	[Pattern]	S P P		
5	[Pattern]	CC		[Pattern]	[Pattern]	M		



SITE 897 HOLE C CORE 60R

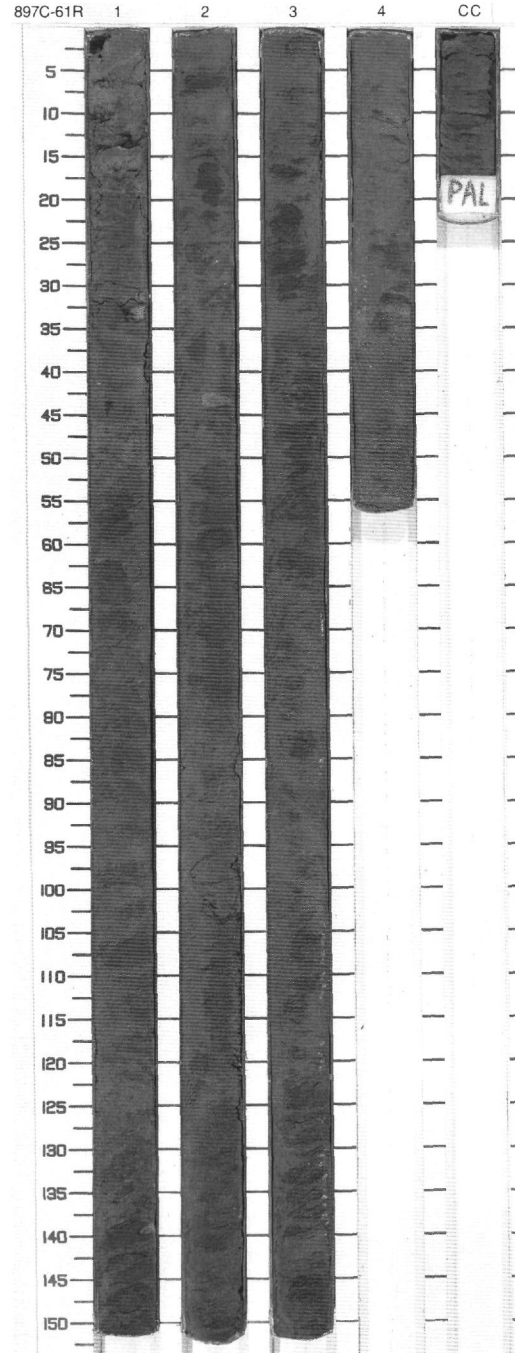
CORED 619.7 - 629.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Hatched pattern]	1		}}		S P		<p>SILTY CLAYSTONE</p> <p>Major Lithology: SILTY CLAYSTONE is light brown (5YR 5/6).</p> <p>Minor Lithologies: Greenish gray (5GY 6/1) SANDY SILTY CLAYSTONE occurs only at 81 cm, Section 1, is about 1 cm thick, and totals less than one percent of the section lithologies. It appears to have a sharp basal contact with the underlying SILTY CLAYSTONE. Dark reddish brown (10R 3/4) CLAYSTONE is encountered at 75 cm, Section 3, and constitutes about 1% of the section lithologies.</p> <p>General Description: Core is monotonous sequence of light brown SILTY CLAYSTONE, although a few round (less than 0.5 cm diameter) and elongate (up to 5 cm long) 'reduction spots' consisting of greenish gray (5GY 6/1) SILTY CLAYSTONE also occur. Biscuits occur throughout core.</p>
2	[Hatched pattern]	2		}}		S P	5YR 5/6	
3	[Hatched pattern]	3		}}		S		
4	[Hatched pattern]	CC		}}		M		



SITE 897 HOLE C CORE 61R CORED 629.4 - 639.1 mbsf

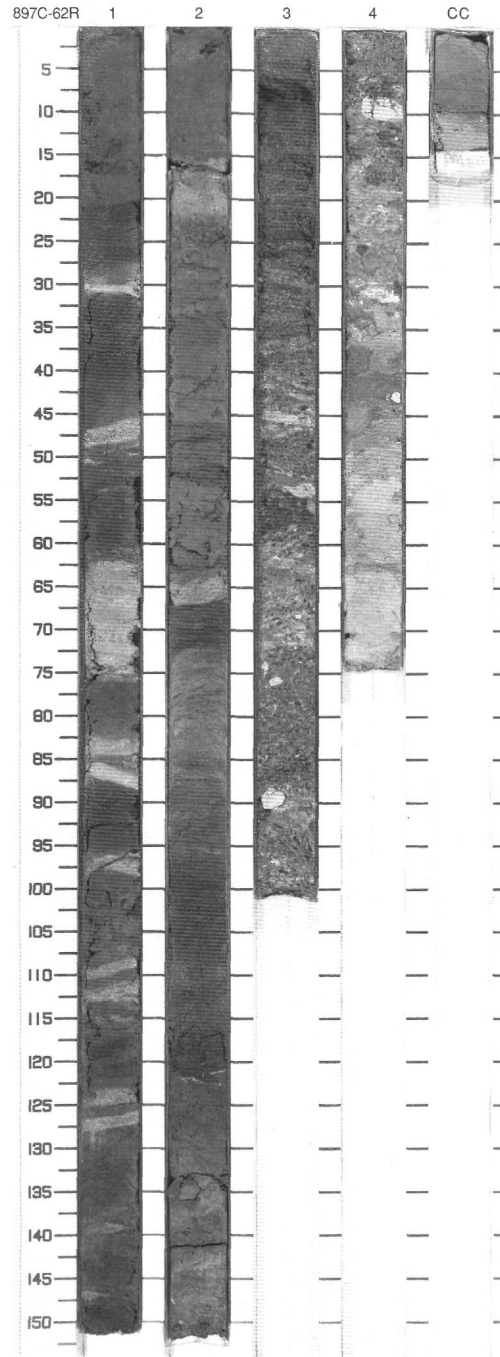
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1			[Diagonal lines]	S	5YR 5/6	<p>CLAYSTONE</p> <p>Major Lithology: Light brown (5YR 5/6) and moderate brown (5YR 3/4) CLAYSTONE makes up the entire core.</p> <p>General Description: Small (approximatley 2x2 cm) dark yellowish brown (10YR 4/2) 'reduction spots' occur at three levels (33, 111, and 140 cm) in Section 1 and at 145 cm, Section 20. A thin (1-2 mm) moderate reddish orange (10YR 6/6) rim occurs around the reduction spots.</p>
2		2		S				
3				P				
4		3		S				
				P				
				P				
5				M				
			CC					



SITE 897 HOLE C CORE 62R

CORED 639.1 - 648.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1		[Horizontal lines]	[Diagonal lines]	S P	5GY 5/1 To 10R 3/4	<p>CLAYEY SANDSTONE and CLAYEY CONGLOMERATE</p> <p>Major Lithologies: Poorly cemented, unsorted, coarse CLAYEY SANDSTONES and SANDY CLAYSTONES range in color between dark reddish brown (10R 3/4), brownish gray (5YR 4/1), bluish gray (5G 6/1 and 5GY 5/1), olive gray (5Y 5/1) and greenish gray (5G 5/1). A poorly sorted, polymictic granule to pebble conglomerate is similar in color to the CLAYEY SANDSTONES and SANDY CLAYSTONES.</p> <p>Minor Lithology: SILTY CLAYSTONE AND NANNOFOSSIL CLAYSTONE</p> <p>General Description: The core consists of thin to medium beds of alternating lithologies and color. Conglomerate and sandstone beds are structureless, or show oriented flat clasts and faint parallel lamination. Conglomerate and gravel intervals display coarse (maximum diameter 3 cm) tail grading, an angular quartz sand matrix, and contain clasts of white limestone, red mudstone, dolomite, sandstone, and probable volcanic fragments.</p>
2	[Horizontal lines]	2		[Horizontal lines]	[Diagonal lines]	S P	5R 3/2 To 5Y 5/1	
3	[Cross-hatched pattern]	3	??	[Horizontal lines]	[Diagonal lines]	P		
4	[Dotted pattern]	4	Early Cretaceous	[Horizontal lines]	[Diagonal lines]	S P	5Y 5/1 To 10R 3/4	
	[Dotted pattern]	CC		[Horizontal lines]	[Diagonal lines]	M		



SITE 897 HOLE C CORE 63R CORED 648.7 - 658.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Early Cretaceous	[Symbol]	[Symbol]	P	5GY 4/1 To N3	<p>SERPENTINIZED PERIDOTITE and CLAYEY LIMESTONE</p> <p>Major Lithologies: Dark gray (N3) to medium dark gray (N4) brecciated CLAYEY LIMESTONE.</p> <p>Minor Lithology: White (N9) to light greenish gray (5GY 8/1) LIMESTONE pebbles, 2-4 cm in diameter, occur at 0-5 cm, Section 1 along with coarse SANDSTONE fragments similar to those recovered in Core 62. Dark gray (N3) laminated fine SILTY CLAYSTONE occurs at 80-95 cm in Section 1.</p> <p>General Description: The contorted and brecciated sediments are intercalated with blocks of SERPENTINIZED PERIDOTITE.</p>
2	[Horizontal lines]	2				S		
CC	[Dotted pattern]	CC				P M		

