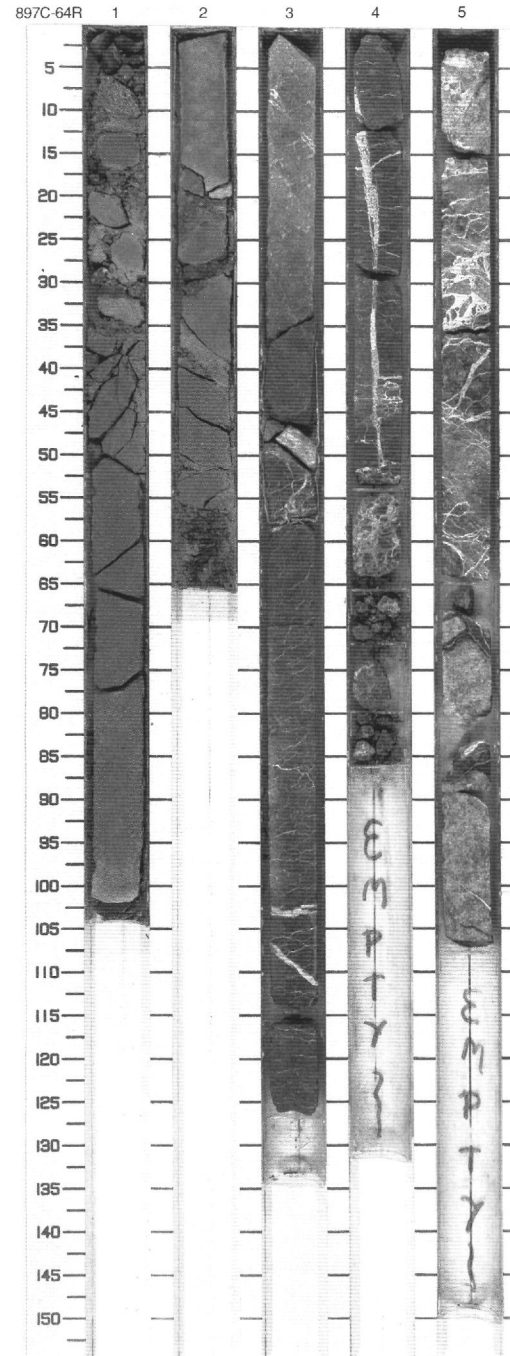


SITE 897 HOLE C CORE 64R

CORED 658.4 - 668.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Early Cretaceous			T	5GY 4/1 To N3	<p>SERPENTINIZED PERIDOTITES, CLAYEY LIMESTONE</p> <p>Major Lithology: Dark gray CLAYEY LIMESTONE (N3), highly fractured, and dark gray green SERPENTINIZED PERIDOTITE.</p> <p>Minor Lithology: Rounded clasts of light olive brown (5Y 5/6) and moderate brown (5YR 4/4) of CALCAREOUS CLAY occur in Section 1 (0-10 cm). Pieces of light brownish gray (5YR/1), coarse and polymictic SANDSTONE, containing peridotite clasts, and greenish gray (5GY/1) cemented, medium size SANDSTONE occurs in Section 1 (5-10 cm and 30-34 cm) respectively.</p>
2		2		S				
3		3		T				
4		4		T				
5		5		T				



SITE 897 HOLE C CORE 65R CORED 668.0 - 677.3 mbsf

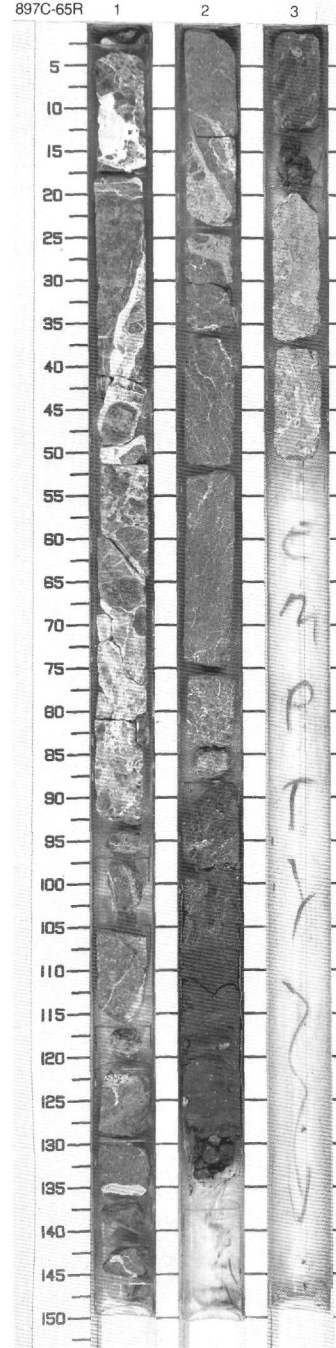
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	Early Cretaceous	[Wavy lines]	[Vertical wavy lines]	S S S	5GY 4/1 To N3	SERPENTINIZED PERIDOTITE and CLAYSTONE Major Lithologies: None. Minor Lithologies: None. General Description: The core consists of dark greenish gray (5GY 4/1) SERPENTINIZED PERIDOTITE and dark gray (N3) CLAYSTONE intermixed with PERIDOTITE fragments at 85-138 cm, Section 2, and at 12-18 cm, Section 3. Smear slides from samples in Sections 2 and 3, show traces of NANNOFOSSILS.
2	[Dotted pattern]	2						
3	[Dotted pattern]	3						

897C-66R HARD ROCK

897C-67R HARD ROCK

897C-68R NO RECOVERY

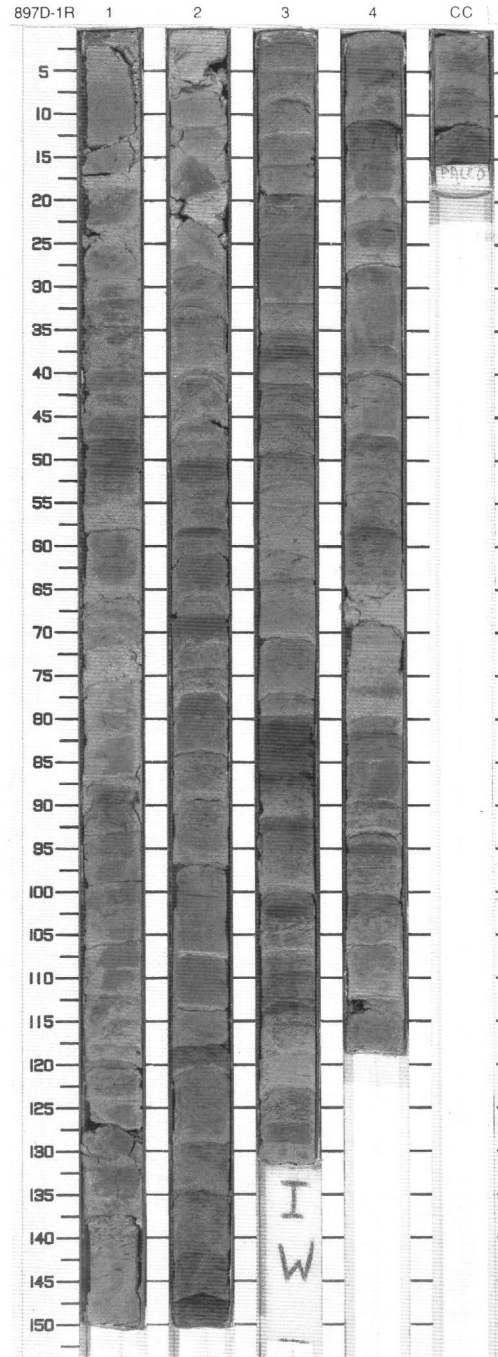
897C-69R THROUGH 73R HARD ROCKS



SITE 897 HOLE D CORE 1R

CORED 596.0 - 606.8 mbsf

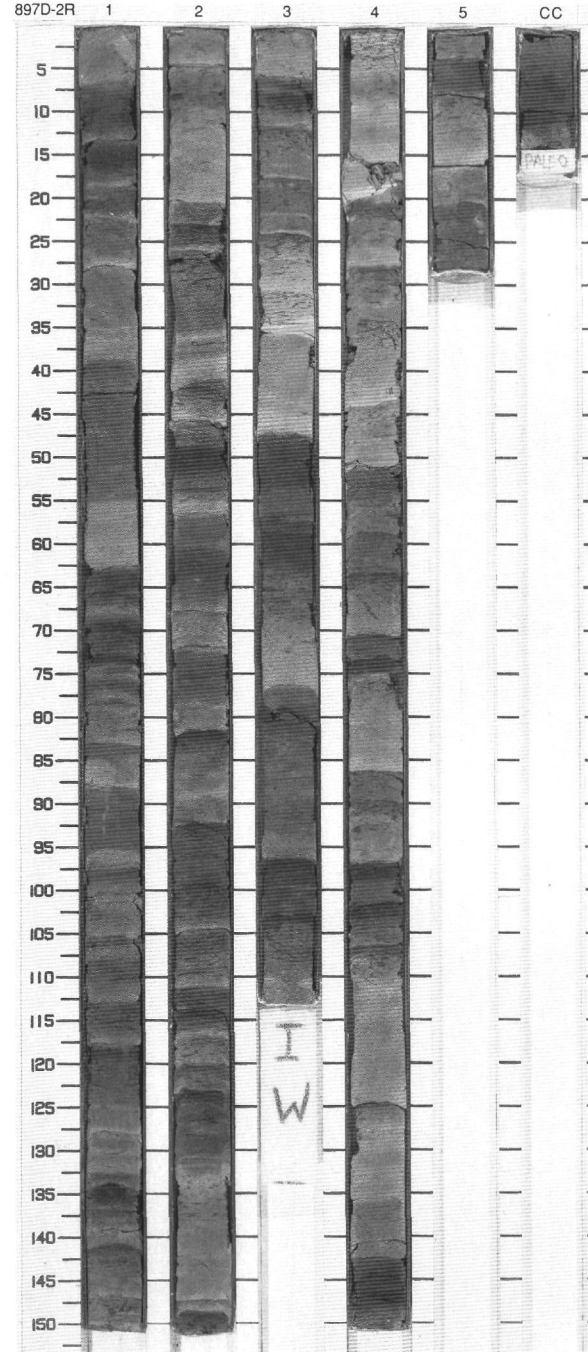
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1	middle Eocene	[Pattern]	[Pattern]	S P	5GY 6/1 To 5Y 6/1	<p>CLAYSTONE</p> <p>Major Lithology: Greenish gray (5GY 6/1) CLAYSTONE comprises 85% of the core and in places contains faint laminations.</p> <p>Minor Lithologies: Light olive gray (5Y 6/1) to moderate brown (10YR 5/4) NANNOFOSSIL CHALK represents about 10% of the core and is typically bioturbated. The moderate brown NANNOFOSSIL CHALK dominates in the lower two sections of the core. Greenish gray (5GY 6/1) FORAMINIFER SILTY SAND generally makes up about 1% of the core, but in Section 4 it ranges up to 10%. It is graded and exhibits a sharp erosional contact with underlying lithologies. Moderate brown (5YR 3/4) SILTY CLAYSTONE does not exceed 5% of any section, and medium light gray CALCAREOUS SILTSTONE does not exceed 1% of any section.</p> <p>General Description: Thin to medium bands ranging from less than 1 to 12 cm thick and exhibiting sharp to gradational contacts predominate in the core. Thin silty or sandy horizons may occur beneath the greenish gray bands.</p>
2	[Pattern]	2		[Pattern]	[Pattern]	S P		
3	[Pattern]	3		[Pattern]	[Pattern]	P	10YR 5/4 To 5GY 6/1	
4	[Pattern]	4		[Pattern]	[Pattern]	P I P		
5	[Pattern]	CC				M		



SITE 897 HOLE D CORE 2R

CORED 606.8 - 616.5 mbsf

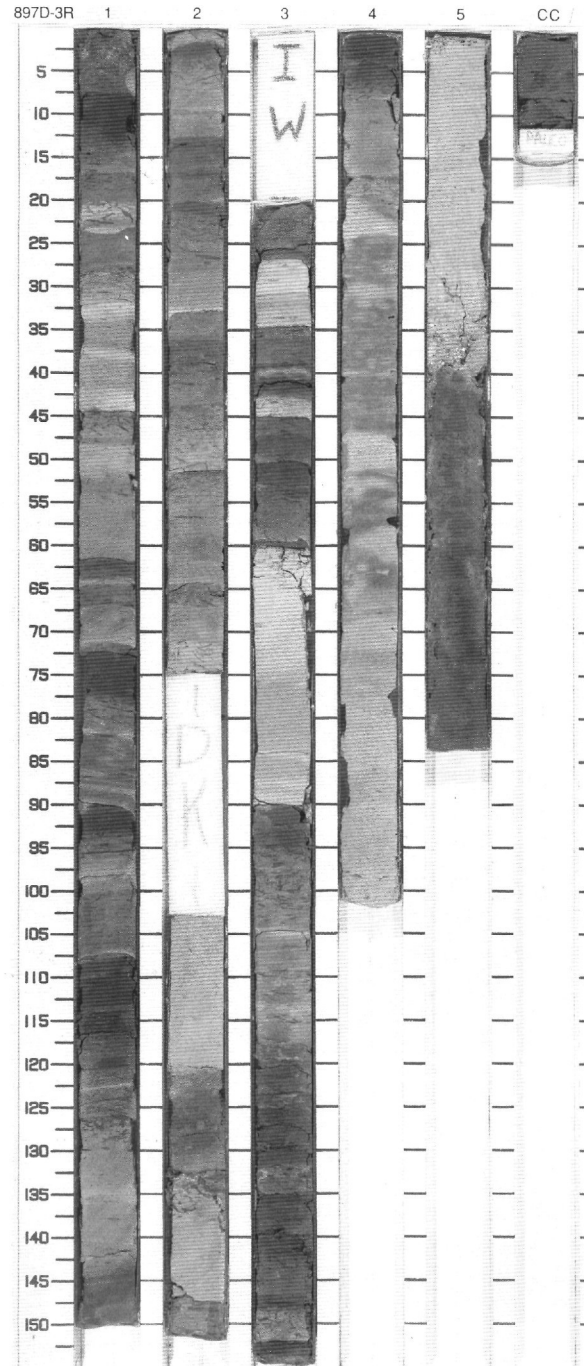
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	middle Eocene	↑ F	}}	S	5GY 6/1 To 5YR 4/4	<p>CLAYSTONE AND CALCAREOUS CLAYSTONE</p> <p>Major Lithology: CLAYSTONE and CALCAREOUS CLAYSTONE make up more than 90% of the core and range in color from greenish gray (5GY 6/1), to light olive gray (5Y 6/1) to moderate brown (5YR 4/4).</p> <p>Minor Lithology: Light bluish gray (5B 6/1) CALCAREOUS CLAYEY SILTSTONE represents less than 10% of the core.</p> <p>General Description: Thin- to medium-bedded units fine and darken upward and exhibit sharp to gradational contacts with underlying lithologies. The basal layer of these units consists of a thinly laminated CALCAREOUS SILTY CLAYSTONE that passes upward into a bioturbated CLAYSTONE. Bioturbation in this CLAYSTONE results in a mottled texture developed by a mixture of greenish gray (5GY 6/1) and light olive gray (5Y 6/1) lithologies. Bioturbation increases upward in these units. Moderate brown (5YR 4/4) CLAYSTONE is intermixed with light brown (5YR 6/4) CLAYSTONE. Fifty-nine single bands occur in this core.</p>
2	[Dotted pattern]	2		↑ F	}}	P		
3	[Dotted pattern]	3		↑ F	}}	S P		
4	[Dotted pattern]	4		↑ F	}}	I		
5	[Dotted pattern]	5		↑ F	}}	S P		
6	[Dotted pattern]	CC	↑ F	}}	S M			



SITE 897 HOLE D CORE 3R

CORED 616.5 - 626.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Dotted pattern]	1	middle Eocene	[Horizontal lines with wavy arrows]	[Vertical dashed line]	S	5GY 6/1 To 5YR 4/4	<p>CLAYSTONE AND CALCAREOUS CLAYSTONE, CLAYEY SILTSTONE</p> <p>Major Lithology: CLAYSTONE and CALCAREOUS CLAYSTONE, ranging in color from light bluish gray (5B 6/1) to light olive gray (5Y 6/1) to moderate brown (5YR 4/3) and light brown (5YR 6/4), represents about 65% of the core. In Sections 4 and 5 a graded, medium to coarse, light bluish gray (5B6/1) CLAYEY SANDSTONE contains fragments of marl and metamorphic rocks.</p> <p>Minor Lithologies: Light bluish gray (5B 6/1) CALCAREOUS SILTY CLAYSTONE represents less than 10% of the core.</p> <p>General Description: Thin- to medium-bedded units that fine and darken upwards, range from 5 to 15 cm in thickness and exhibit sharp to gradational contacts with most lithologies in the core. These units are similar to those described in the preceding core. A 120 cm thick layer of graded sandstone containing a basal pebble layer occurs in Sections 4 and 5. In the upper part of the sandstone, cross-laminated, fine sand layers are visible.</p>
2	[Dotted pattern]	2		[Horizontal lines with wavy arrows]	[Vertical dashed line]	P		
3	[Dotted pattern]	3		[Horizontal lines with wavy arrows]	[Vertical dashed line]	P		
4	[Dotted pattern]	4		[Horizontal lines with wavy arrows]	[Vertical dashed line]	P		
5	[Dotted pattern]	5		[Horizontal lines with wavy arrows]	[Vertical dashed line]	P		
6	[Dotted pattern]	6		[Horizontal lines with wavy arrows]	[Vertical dashed line]	P		
		CC				M		



SITE 897 HOLE D CORE 4R

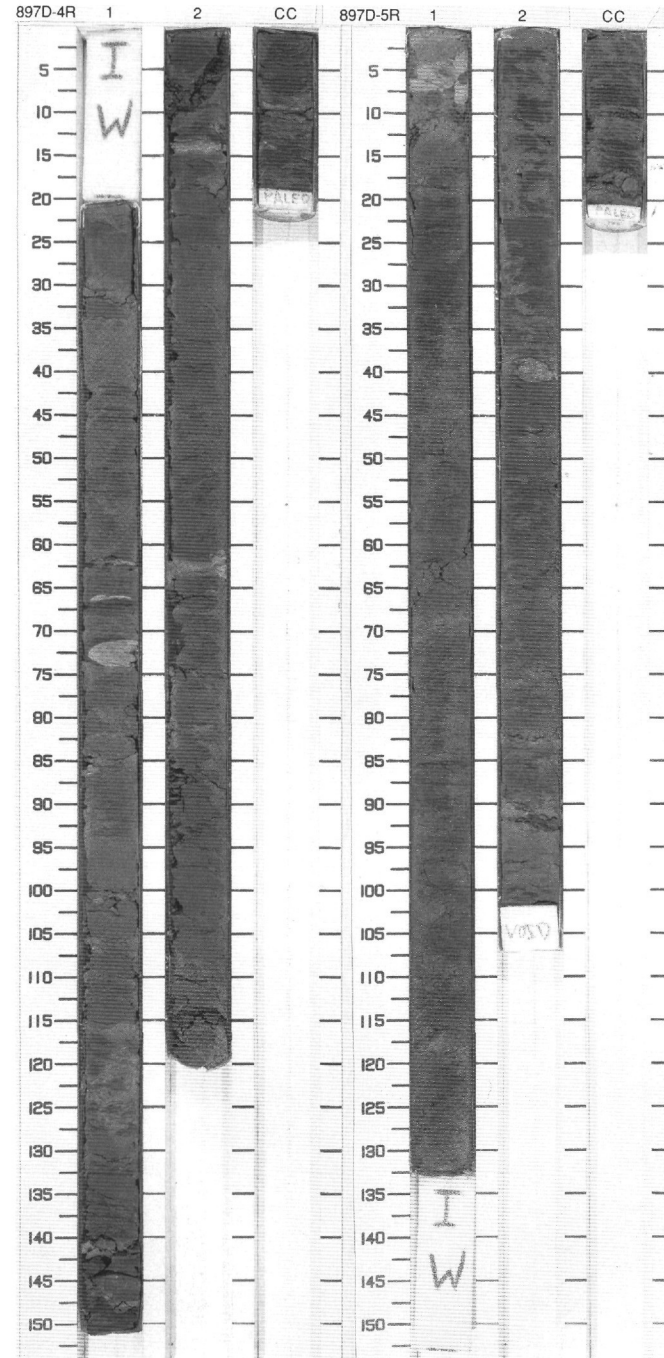
CORED 626.2 - 635.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1				I		<p>CLAYSTONE</p> <p>Major Lithology: Moderate reddish brown (10R 4/6) CLAYSTONE, comprises about 90% of the core.</p> <p>General Description: The structureless, moderate reddish brown (10R 4/6) CLAYSTONE, contains several patches of greenish gray (5G 6/1) CLAYSTONE (Section 1, between 62–73 cm) with rims of a reddish brown (10R 4/6) color. Well-indurated, thin (1–3 cm thick) intervals of greenish gray (5G 6/1) CALCAREOUS CLAYSTONE occur at 139–150 cm, Section 1 and at 0–15 cm, Section 2.</p>
						P	10R 4/6	
						P	10R 4/6 To 5G 6/1	
2		2				P	10R 4/6	
		CC				S		
						M		

SITE 897 HOLE D CORE 5R

CORED 635.9 - 645.5 mbsf

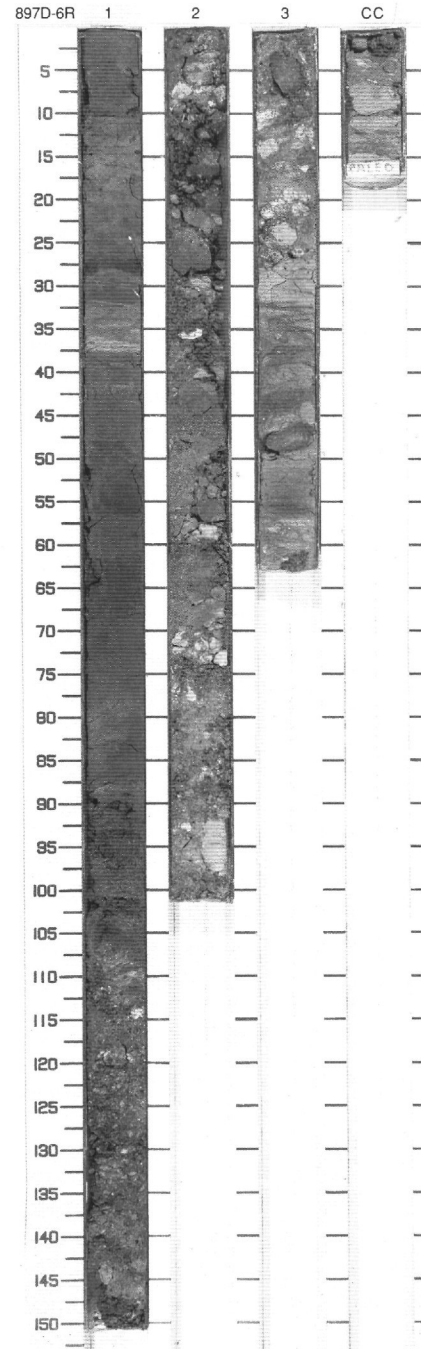
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1				S		<p>CLAYSTONE</p> <p>Major Lithology: Moderate brown (5YR 3/4) CLAYSTONE.</p> <p>General Description: The core is dominated by moderate brown (5YR 3/4) CLAYSTONE. Several dark reddish brown (2.5YR 3/4) CLAYSTONES occur over several intervals that are up to 8 cm thick. One reduction spot (about 5X5 cm) occurs at 40 cm, Section 4; it has an olive gray (5Y 4/1) interior and a dusky red (10R 3/3) rim about 2 mm thick.</p>
						P	5YR 3/4 To 2.5YR 3/4	
	Void					I		
2		2				P		
	Void							
		CC				M		



SITE 897 HOLE D CORE 6R

CORED 645.5 - 655.2 mbsf

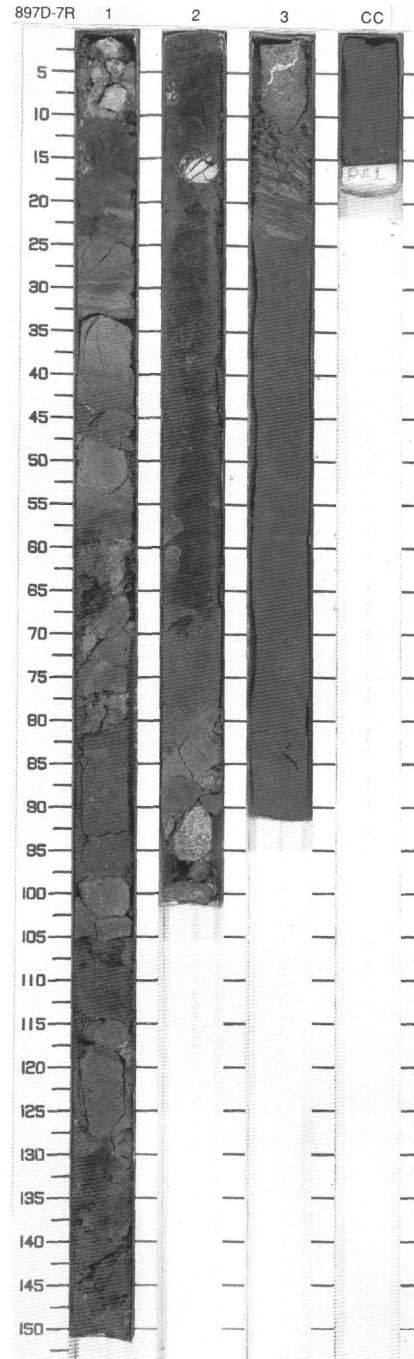
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1	[Dotted pattern]	1	Early Cretaceous	[Dotted pattern]		S	5YR 3/3	<p>CLAYSTONE, GRAVEL, and CONGLOMERATE</p> <p>Major Lithologies: CLAYSTONE in this core is reddish brown (5YR 3/3), moderate brown (5YR 4/4 and 3/4) and light olive gray (5Y 6/1). GRAVEL occurs from 107 cm to the base of Section 1 and consists predominantly of subangular light colored poorly sorted limestone clasts set in a matrix of very COARSE SAND; some clasts of altered basement are also present. CONGLOMERATE occurs from the top to about 26 cm in Section 2. It is poorly sorted and also dominated by clasts of fine-grained limestone; the base has a matrix of clay rather than sand, but this is probably due to drilling disturbance.</p> <p>Minor Lithologies: Poorly sorted VERY COARSE SAND contains light colored limestone clasts, plus about 20% of dark reddish brown clasts that are probably composed of altered basement material. SILTY FERRUGINOUS MEDIUM TO FINE SAND occurs in thin laminae within the reddish clays of Section 1.</p> <p>General Description: Color banded dark reddish brown CLAYSTONE occurs from the top to 96 cm in Section 1, and at least one interval (28.5–31 cm) appears to be composed of altered tuffaceous material. Light olive gray CLAYSTONE with thin streaks of moderate yellowish brown (10YR 5/4) occurs beneath the CONGLOMERATE in Section 2 and contains three pebbles of probable basement, two of which are composed of friable material (probably altered basement). The middle part of the cored interval forms a fining up succession of CONGLOMERATE- GRAVEL-VERY COARSE SAND (Section 1, 93 cm to Section 3, 27 cm).</p>	
2	[Circular pattern]	2			[Circular pattern]		S P		To 5YR 4/4
3	[Dotted pattern]	3			[Dotted pattern]		P		5Y 6/1
		CC				M			



SITE 897 HOLE D CORE 7R

CORED 655.2 - 664.8 mbsf

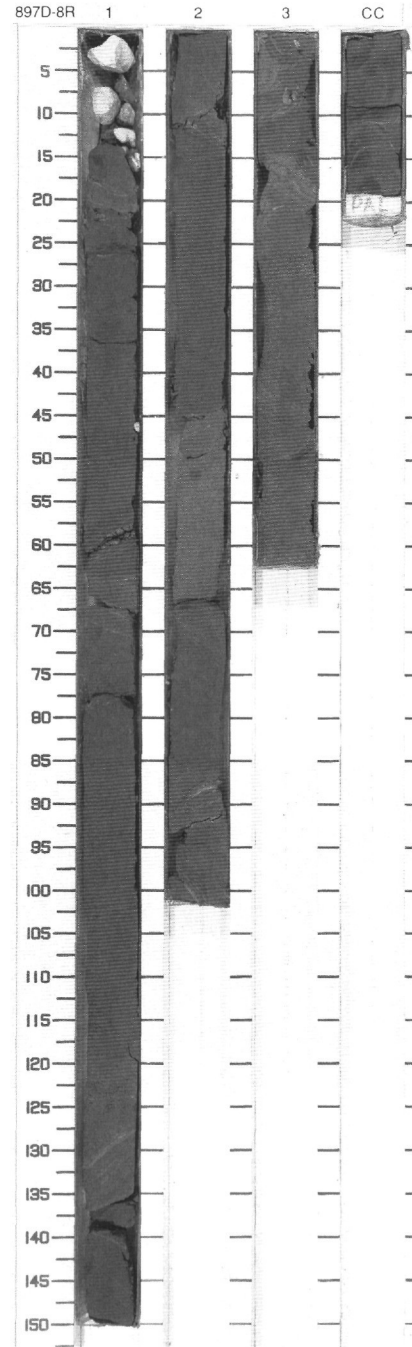
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Early Cretaceous			S P	N1 To N3	<p>CLAYSTONE, LIMESTONE and CLAYEY SILTSTONE</p> <p>Major Lithologies: The CLAYSTONE is black (N1), mostly structureless, and makes up about 50% of the core. It is absent in Section 3. The LIMESTONE is dark gray (N3) to medium dark gray (N4), appears structureless, and occurs as layers up to 10 cm thick that are typically fractured. Olive black (5Y 2/1) CLAYEY SILTSTONE comprises about 30% of the core, is slumped at 40 cm, Section 3 and in places appears bioturbated.</p> <p>Minor Lithologies: A BRECCIA composed primarily of limestone or claystone clasts occurs at 90 cm, Section 1 and appears to be inversely graded. Olive Black (N3) NANNOFOSSIL CLAYSTONE is present only in Section 2, where it makes up 5% of the section.</p> <p>General Description: in addition to the slump fold and breccia, fragments of basement rock and syndimentary faults also occur in the core.</p>
2		2				S S P		
3		3				S P P	5Y 2/1	
	CC					M		



SITE 897 HOLE D CORE 8R

CORED 664.8 - 674.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Graphic Lithology: Horizontal lines with small circles]	1	Early Cretaceous	[Structure: Wavy lines with small circles]	[Disturb: Dashed line]	P	5Y 2/1	<p>CALCAREOUS SILTY CLAYSTONE</p> <p>Major Lithology: The CALCAREOUS SILTY CLAYSTONE is olive black (5Y 2/1) in color; the calcareous content is largely inorganic.</p> <p>Minor Lithologies: NANNOFOSSIL CHALK is olive gray (5Y 4/1) in color and contains about 30% nannofossils and 10% inorganic calcite. Greenish gray (5GY 6/1) SILTSTONE occurs as thin (0.5–2 mm) laminae in the CALCAREOUS SILTY CLAYSTONES.</p> <p>General Description: CALCAREOUS SILTY CLAYSTONE forms 90% of the cored sequence. It contains thin parallel laminae composed of SILTSTONE which have been deformed by slumping, and cut by microfaults. NANNOFOSSIL CHALK forms one interval about 25 cm thick in Section 2; its lower boundary is affected by biscuiting, but it has a sharp original sedimentary upper boundary. At the top of Section 1, several light gray (N8) fine-grained limestone pebbles occur.</p>
2	[Graphic Lithology: Horizontal lines with small circles]	2				P		
2	[Graphic Lithology: Horizontal lines with small circles]	2				S		
2	[Graphic Lithology: Horizontal lines with small circles]	2				S P		
3	[Graphic Lithology: Horizontal lines with small circles]	3				S P		
3	[Graphic Lithology: Horizontal lines with small circles]	CC				M		



SITE 897 HOLE D CORE 9R

CORED 674.5 - 684.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Early Cret.	∞			N1	<p>DOLOMITE</p> <p>Major Lithology: Dolomite was recovered as a number of pieces and is black (N1) when wet and medium gray (N5) when dry.</p> <p>Minor Lithologies: ALTERED DOLERITE occurs as three pieces at the top of the core. SERPENTINITE occurs at the bottom of the core and is highly disturbed and possibly mixed with a slurry formed during drilling.</p>

