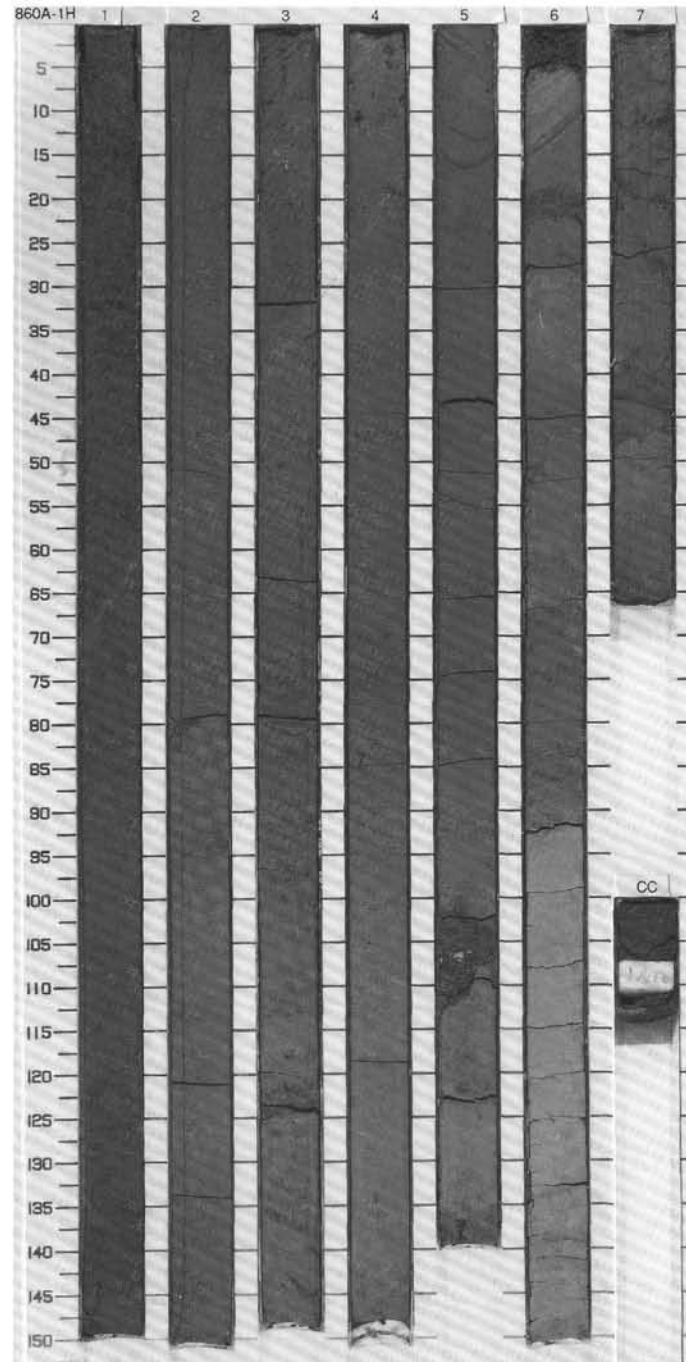



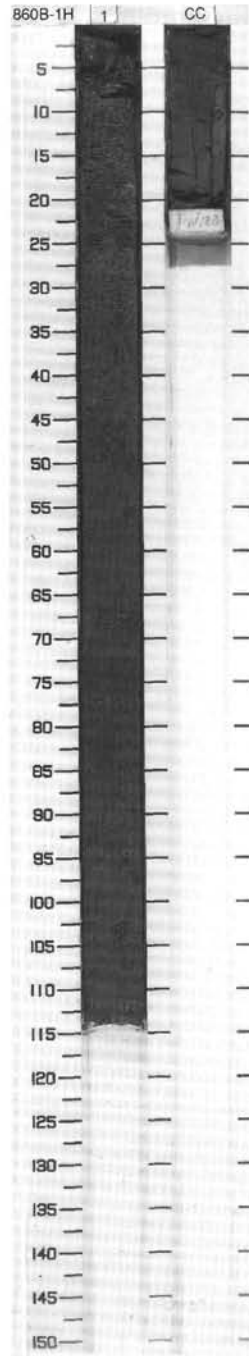


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description			
0.5	[Graphic Lithology Column]	1	Quaternary	[Structure Symbols]	[Disturb Symbols]	S	5GY 3/2 to 5GY 4/1	CLAYEY SILT TO SILTY CLAY WITH NANNOFOSSILS and SILT TO SAND  Major Lithologies: The core consists of grayish olive green (5GY 3/2) and dark greenish gray (5GY 4/1) CLAYEY SILT TO SILTY CLAY WITH NANNOFOSSILS, foraminifers and siliceous microfossils. Moderately bedded, dark greenish gray (5GY 4/1), graded beds (0.5-5 cm) of SILT TO SAND occur in Section 2, 5 6 and 7 generally with sharp lower contacts and gradational contacts with the overlying clay.  Minor Lithologies: Local, irregular concentrations of granule to pebble-sized gravel and shell fragments are present in Section 5, 103-111 cm and in Section 6, 0-5 cm. These concentrations have gradational lower and upper contacts with clay. One medium dark gray (N4) massive SILTY CLAY bed occurs in Section 6, 91-133 cm. Massive, olive green (5Y 4/1), fine SAND grades into SILTY CLAY in Section CC and Section 7, 47-66 cm. Overlying interval 0-74 cm in Section 7 consists of several laminae of fine sand with scoured lower contacts each grading into silty clay.  General Description: Distinct burrow traces are present in Sections 2 and 4.			
1.0									2	S	5GY 4/1
1.5									3	S	5GY 4/1 to 5Y 4/1
2.0									4	S	5Y 4/1
2.5									5	S	5Y 4/1
3.0									6	S	N5
3.5									7	S	5GY 4/1
3.6	CC	M	5Y 4/1								

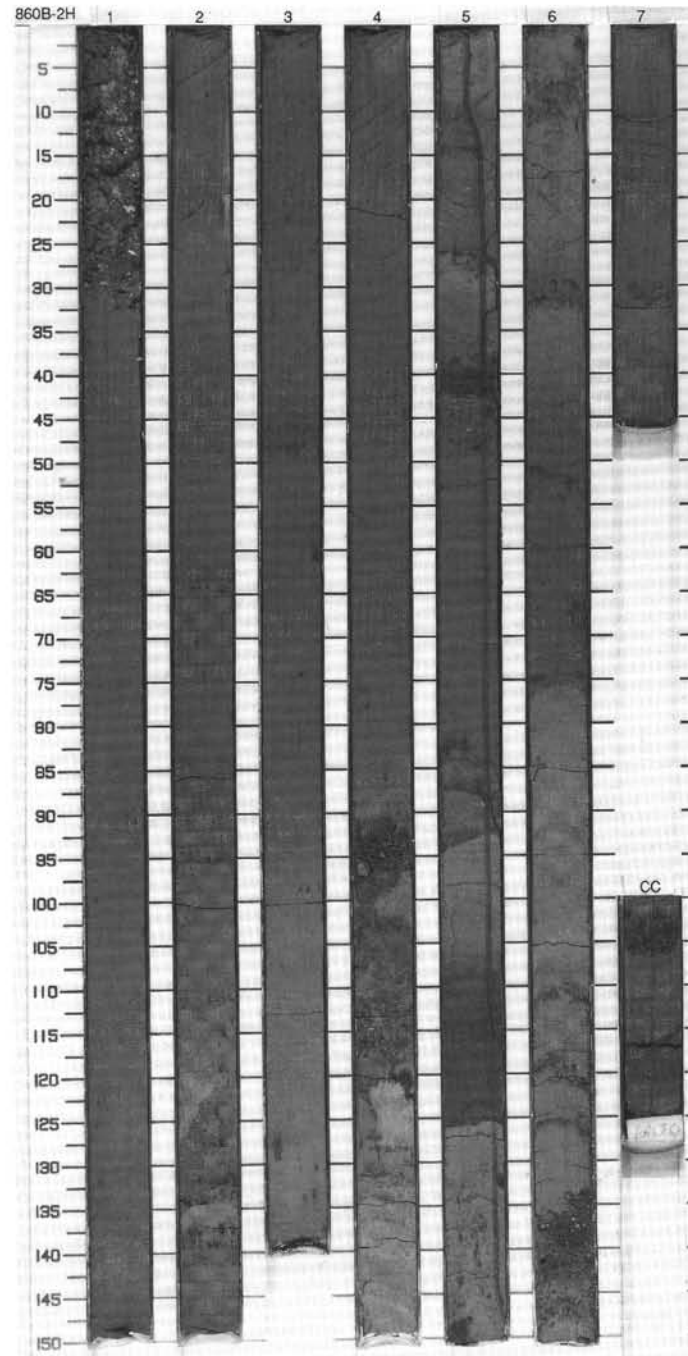


SITE 860 HOLE B CORE 1H CORED 0.0 - 1.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1	upper Pleistocene			S	5GY	<p>SILTY CLAY WITH NANNOFOSSILS</p> <p>Major Lithology: The core consists of grayish olive green (5GY 3/2) SILTY CLAY WITH NANNOFOSSILS. More calcareous intervals occur at 45-48 cm and 70-74 cm in Section 1.</p>
1.0		CC				S	3/2	
						S M		



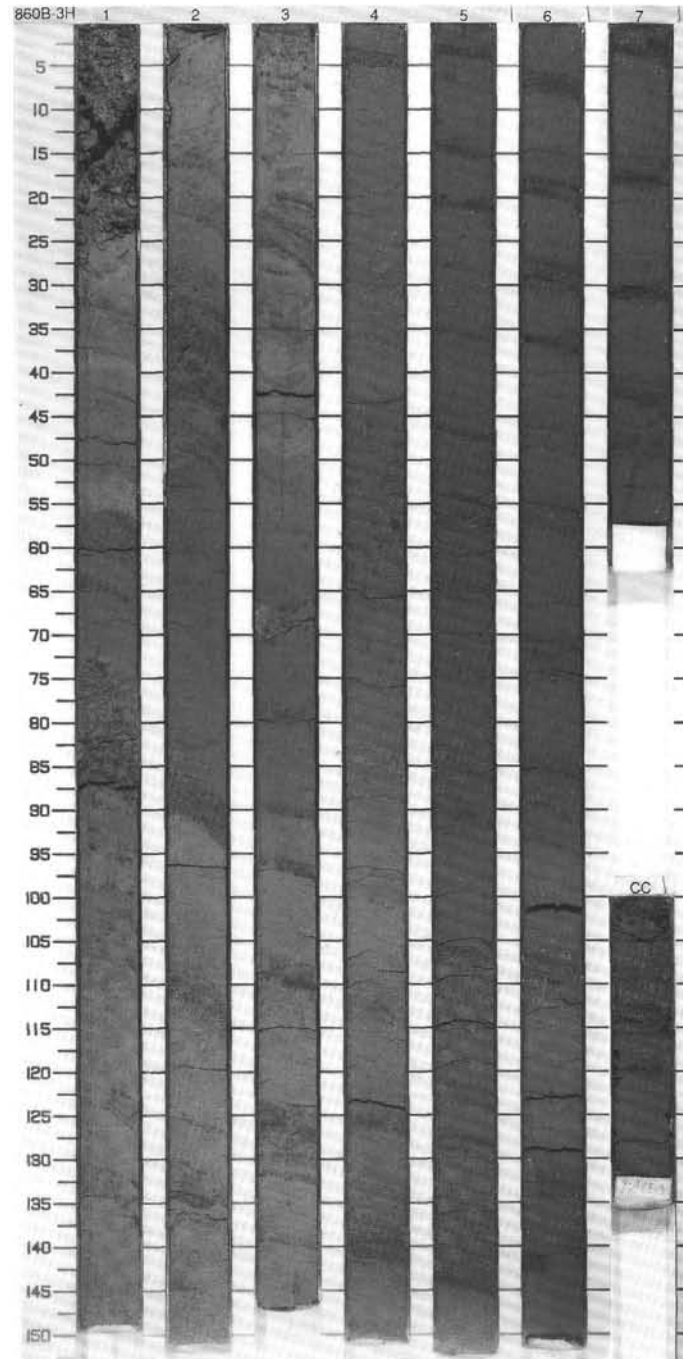
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1			oo	S		SILTY CLAY WITH NANNOFOSSILS and SILT TO SAND
1.0		2				S		Major Lithologies: The core consists of olive gray (5Y 4/1) to dark greenish gray (5GY 4/1) SILTY CLAY WITH NANNOFOSSILS and SILT TO SAND. Thin beds (1-2 cm) of SILT to very fine to fine SAND are moderately bedded with silty clay in Sections 2, 5, 6, and 7.
		3				S	5Y 4/1 to 5GY 4/1	
		4	upper Pleistocene			IW		Minor Lithologies: Local, irregular, concentrations of granule-sized gravel with calcareous matrix and gradational upper and lower contacts occur in Section 4, 91-100 cm and in Section 6, 135-140 cm. The clasts are sedimentary, mostly siltstones. A normally-graded, medium dark gray (N4) SAND bed (15 cm) with scoured lower contact turns to laminated finer-grained sand (3 cm) and finally to medium gray (N5) CLAYEY SILT (12 cm) in Section 5. 95-125 cm. The overlying interval 84-95 cm in Section 5 is thinly bedded, graded fine sand and silty clay. The lowest contact in this interval is scoured.
		5				S	N4 to N5	General Description: More calcareous intervals occur in Section 3, 21-23 cm and 45-48 cm with gradational upper and lower contacts. Small scale local slump-folds are seen in Section 2, 30-37 cm. A few shell fragments occur in Section 4, 114-115 cm. Interval 10-19 cm in Section 7 is thinly bedded. Burrows are present in Section 1.
		6				S	5Y 4/1	
		7				M	5GY 4/1 to N4	
		CC						



SITE 860 HOLE B CORE 3H

CORED 10.9 - 20.4 mbsf

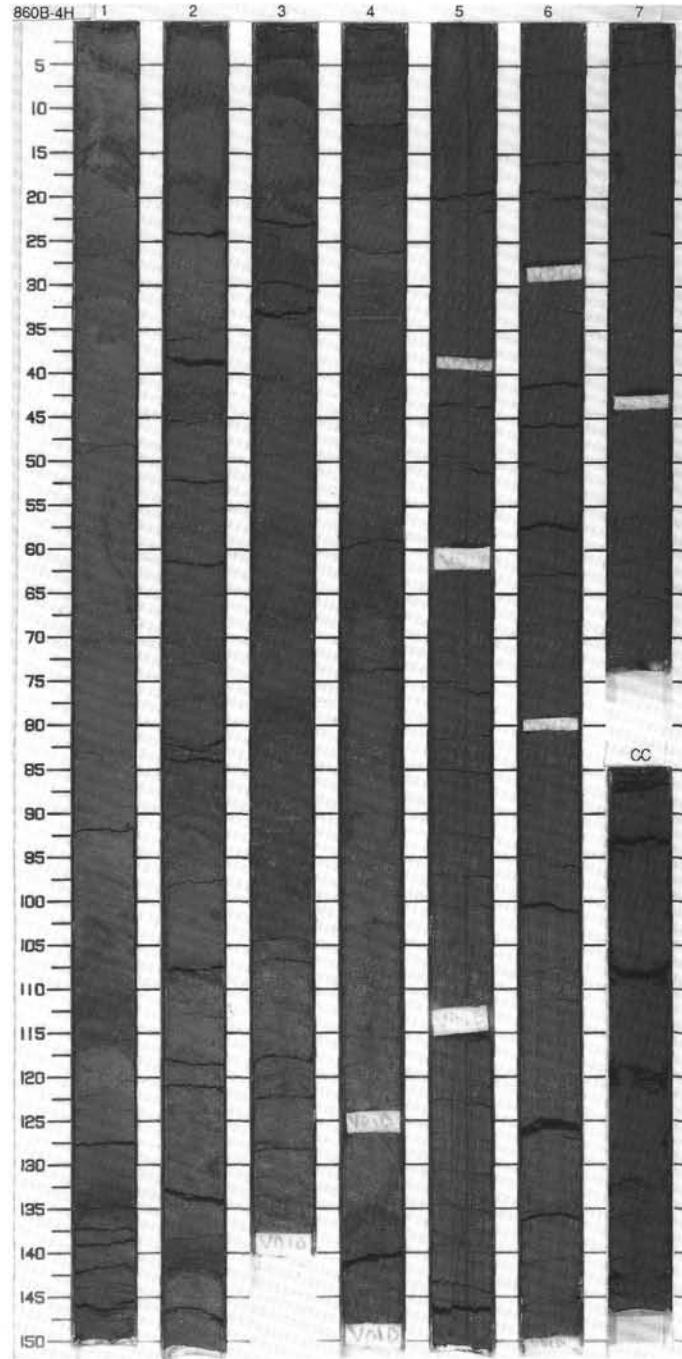
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1		⊙	W	S	5GY 3/2	CLAYEY SILT to SILTY CLAY, SILT and CLAY  Major Lithologies: This core consists of predominantly interbedded CLAYEY SILT to SILTY CLAY, SILT, and CLAY beds with colors ranging from grayish olive green (5GY 3/2) to olive gray (5Y 4/1). Beds are parallel-laminated to moderately bedded. Many show normal grading from bases of sandy silt or sandy clay (minor lithology) to silty clay or clay. Silty clay intervals commonly have nannofossils. There are dispersed shell fragments, and whitish (N8 or N9) clots of concentrated sponge spicules, blackish (N1 or N2) streaks that may be organic matter, and olive gray (5Y 4/1) calcareous concretions.
1.0		1	⊙		S			
		1		⊗		S		
		1		⊗		S		
		1		⊗		S		
		2		⊙		S	5GY 4/1	Minor Lithologies: The graded intervals in the core have basal thin (<1 to 2 cm) zones of SANDY SILT, or SANDY, SILTY CLAY.
		2		⊙		S		
		2		⊙		S	5GY 3/2	General Description: Two kinds of bedding contacts occur. One consists of the sharp lower boundaries to the normal graded intervals, the other consists of fuzzy, indistinct boundaries of textural variations, commonly defined by concentrations of calcareous concretions and clots of sponge spicules. Small normal faults occur in two intervals: Section 3, 4-25 cm; and Section 6, 120 cm to Section 7, 25 cm.
		2		⊙		S		
		2		⊙		S		
		2		⊙		S		
		2		⊙		S		
		2		⊙		S		
		2		⊙		S		
		2		⊙		S		
		2		⊙		S		
		2		⊙		S		
		3		⊙		I	Upper Pleistocene	
		3		⊙		S		
		3		⊙		S		
		3		⊙		S		
		3		⊙		S		
		3		⊙		S		
		3		⊙		S		
		3		⊙		S		
		3		⊙		S		
		3		⊙		S		
		4		⊙		S	CC	
		4		⊙		S		
		4		⊙		S		
		4		⊙		S		
		4		⊙		S		
		4		⊙		S		
		4		⊙		S		
		4		⊙		S		
		4		⊙		S		
		4		⊙		S		
		5		⊙		S	M	
		5		⊙		S		
		5		⊙		S		
		5		⊙		S		
		5		⊙		S		
		5		⊙		S		
		5		⊙		S		
		5		⊙		S		
		5		⊙		S		
		5		⊙		S		
		6		⊙		S	M	
		6		⊙		S		
		6		⊙		S		
		6		⊙		S		
		6		⊙		S		
		6		⊙		S		
		6		⊙		S		
		6		⊙		S		
		6		⊙		S		
		6		⊙		S		
		7		⊙		S	M	
		7		⊙		S		
		7		⊙		S		
		7		⊙		S		
		7		⊙		S		
		7		⊙		S		
		7		⊙		S		
		7		⊙		S		
		7		⊙		S		
		7		⊙		S		



SITE 860 HOLE B CORE 4H

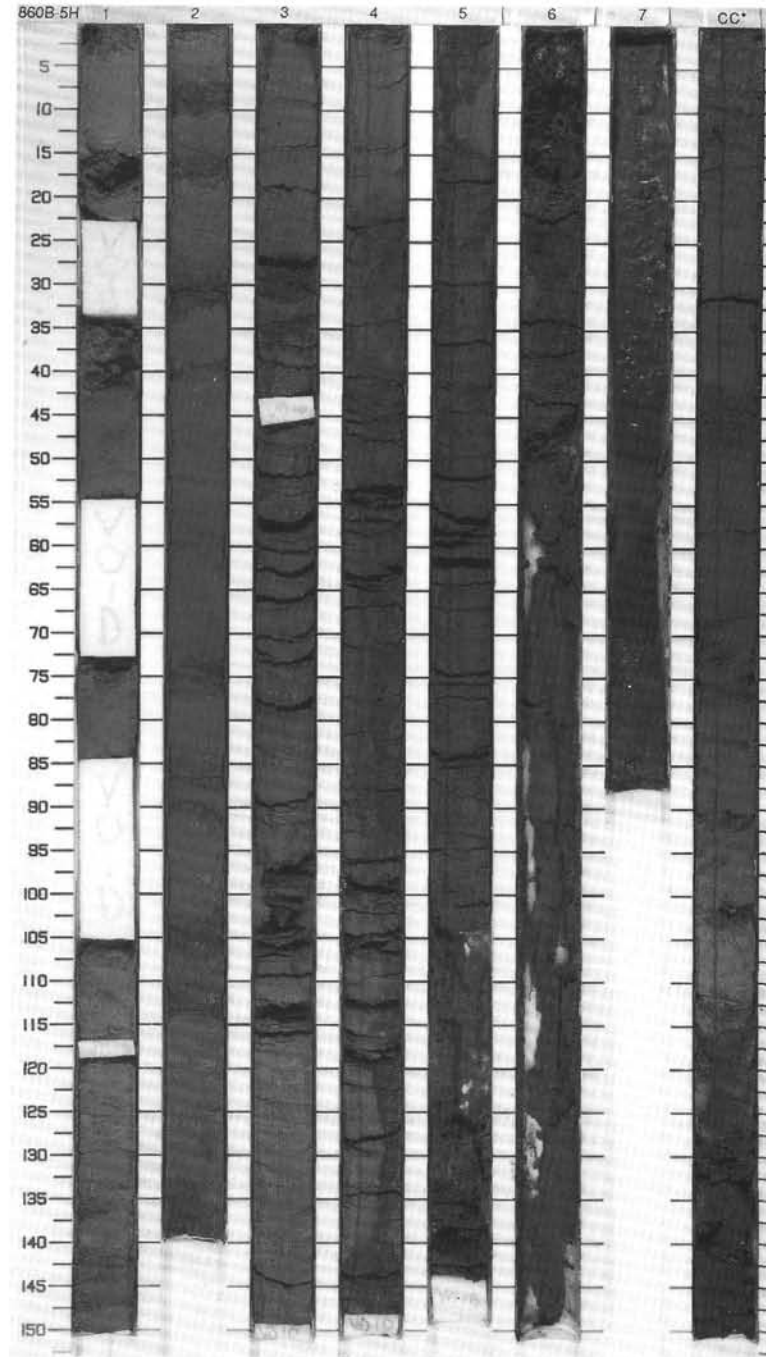
CORED 20.4 - 29.9 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
0.5		1			S S S	5GY 3/2	<p>SILTY CLAY, CLAY, AND SILT</p> <p>Major Lithology: This core consists of grayish olive green (5GY 3/2), olive gray (5Y 3/2 and 5Y 4/1) to light olive gray (5Y 3/2) SILTY CLAY, CLAY and SILT.</p> <p>General Description: Gas expansion cracks perpendicular to the liner are found throughout the core.</p>
1.0						5Y 3/2 To 5Y 4/1	
						S S	
						S S	
						S S	
						W S S	
						S S	
	S						
	CC				M		



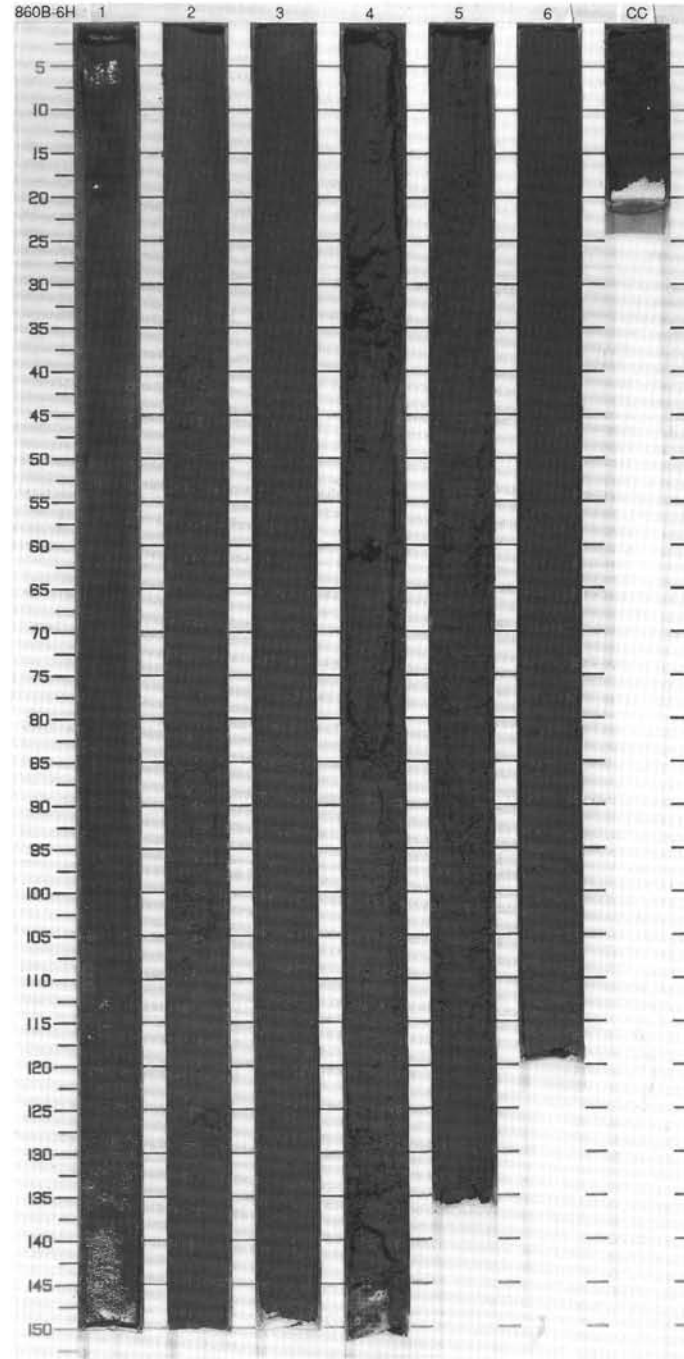
SITE 860 HOLE B CORE 5H CORED 29.9 - 39.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1				S	5Y 3/2	<p>CLAY TO SILTY CLAY and SILTY SAND</p> <p>Major Lithologies: This core consists of olive gray (5Y 3/2), dark greenish gray (5GY 4/1), olive black (5Y 2/1) CLAY TO SILTY CLAY and SILTY SAND.</p> <p>Minor Lithologies: Core contains rare shell fragments in Sections 2 and CC, and small clots of spicules in Sections 2 and 3.</p> <p>General Description: Bedding orientation is subhorizontal to gently dipping.</p> <p>*Recovery from core catcher = 119%.</p>
1.0	Void					S		
		2				S		
						S		
						I	5Y 3/2 To 5GY 4/1	
		3				S		
						S		
						S		
		4	lower Pleistocene			S	5Y 3/2 To 5Y 2/1	
						S		
		5				S	5Y 3/2 To 5GY 4/1	
						S		
						S	5Y 2/1	
		6				S	5GY 4/1	
						S		
		7				S	5Y 2/1	
						S		
		CC				S	5Y 3/2 To 5Y 3/2	
						S		
						S	5Y 2/1	



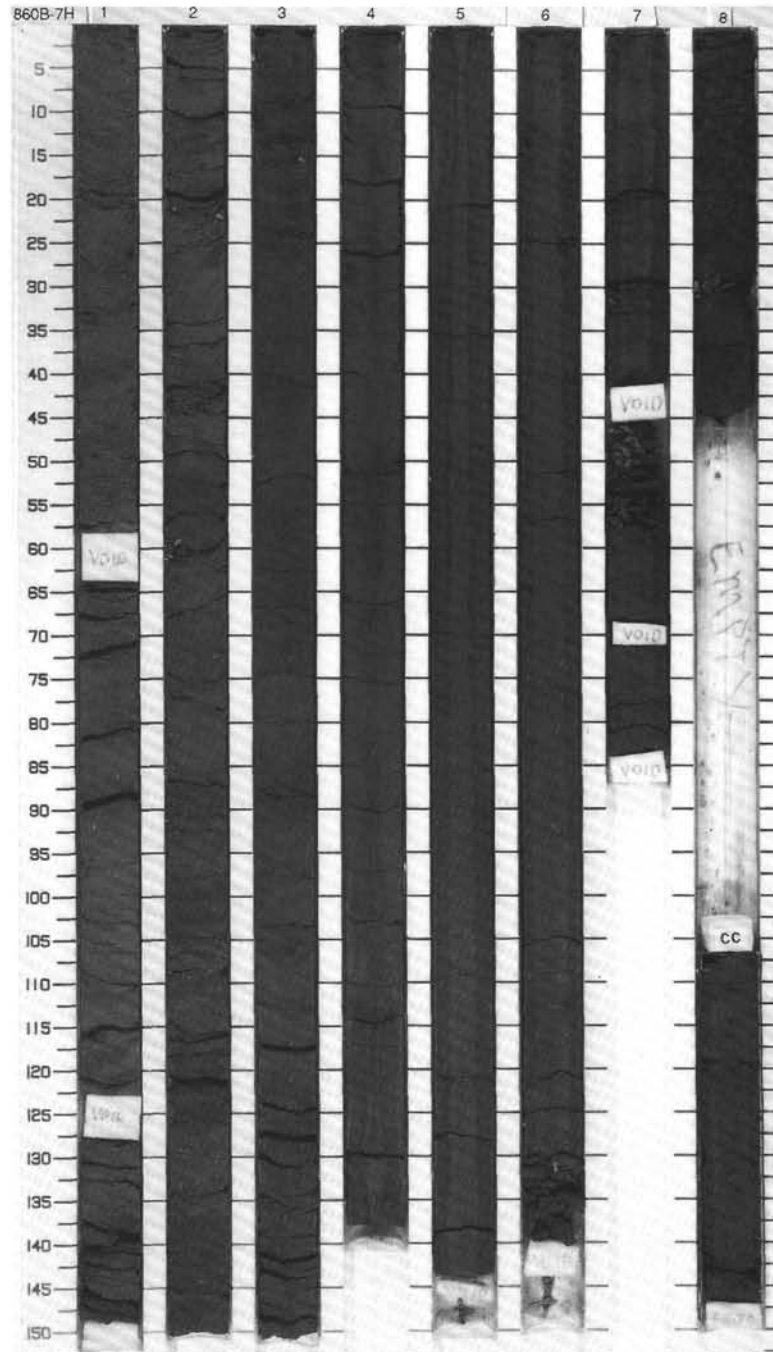


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1	lower Pleistocene	◆		S	N3	FINE TO MEDIUM SAND
1.0		2						General Description: Dark medium gray (N4) mudflakes (0.5-1.5 cm) are present in Section 2, 121-122 cm and in Section CC, 4-5 cm and 11-12 cm.
		3						
		4						
		5						
		6						
	CC			◆		M		



SITE 860 HOLE B CORE 7H CORED 48.9 - 58.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Symbol]	1		[Symbol]		S		<p>SILTY CLAY</p> <p>Major Lithology: The core consists of dark greenish gray (5GY 4/1) to olive black (5Y 2/1) SILTY CLAY.</p> <p>Minor Lithology: Silty clay is moderately interbedded with thin layers (0.5-2 cm) of SILT in Sections 1, 2 and 3. These interbeds contain large foraminifers and have relatively diffuse lower and upper contacts. In Section 1 interval 38-41 cm is thinly laminated.</p> <p>General Description: The lower part of the core is highly disturbed by flow-in drilling disturbance.</p>
1.0	[Symbol]	2		[Symbol]		S		
	[Symbol]	3		[Symbol]		S		
		lower Pleistocene					5GY 4/1 to 5Y 2/1	
		4				I		
		5						
		6						
		7						
		8						
		CC						
						M		





## 860B-8P NO RECOVERY

SITE 860 HOLE B CORE 9X CORED 59.9 - 68.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.1	[Dashed pattern]	CC	↑		○○○○○	S M	5GY 2/1	<p>SILTY CLAY TO CLAY</p> <p>Major Lithology: The core consists of greenish black (5GY 2/1) SILTY CLAY to CLAY.</p>
lower Pleistocene								

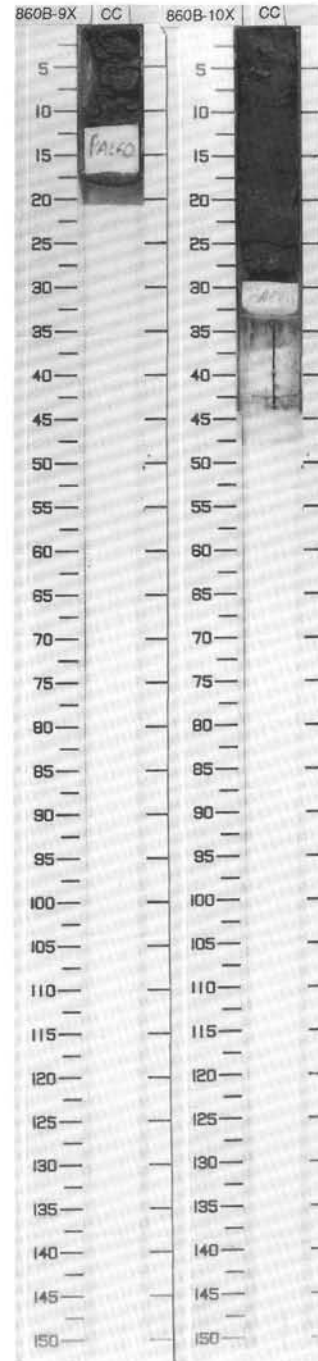
Note expanded vertical scale.

SITE 860 HOLE B CORE 10X CORED 68.7 - 78.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.1	[Dotted pattern]	CC	upper Pliocene	- - -		S S M	5GY 2/1	SILTY CLAY TO CLAYEY SILT and SAND
0.2	[Dotted pattern]			≡			5Y 2/1	Major Lithologies: The core consists of greenish black (5GY 2/1) SILTY CLAY to CLAYEY SILT. One olive black (5Y 2/1) very fine to fine SAND interbed in 4-18 cm shows slight inverse grading and normal grading.
0.3	[Dotted pattern]						5GY 2/1	General Description: The lower portion of the core is more silty.

Note expanded vertical scale.

## 860B-11X NO RECOVERY



## SITE 860 HOLE B CORE 12X

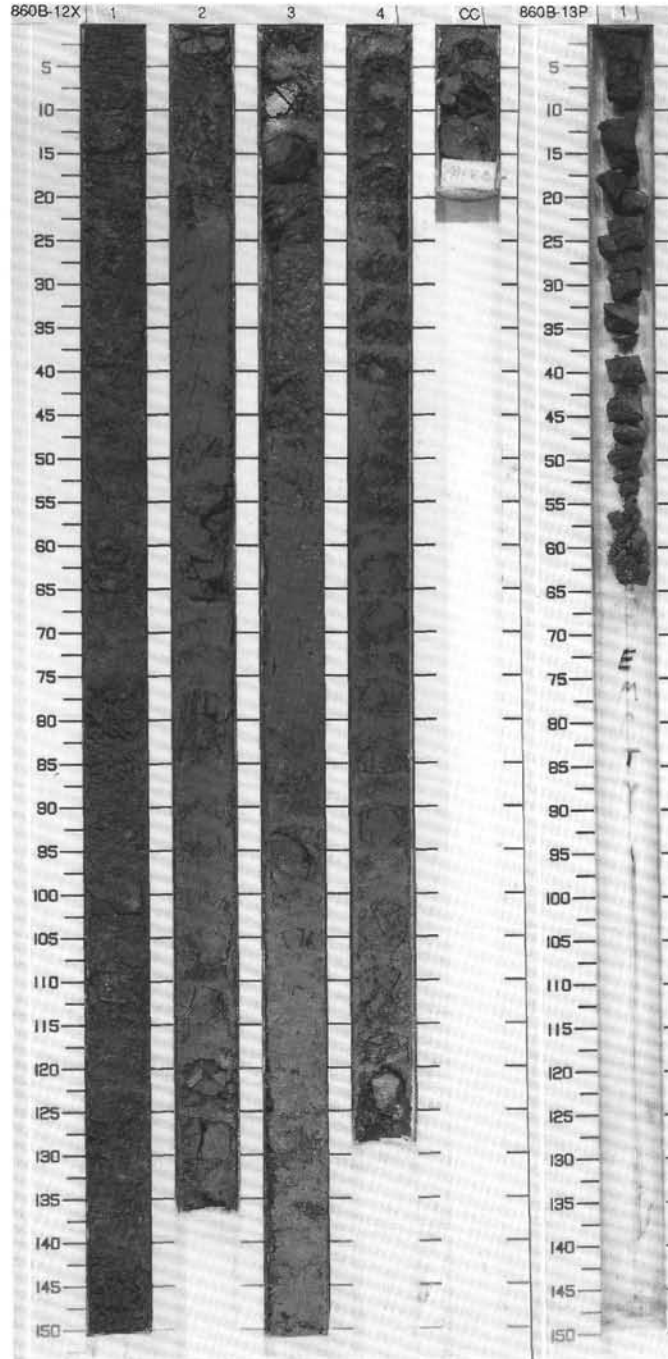
CORED 87.7 - 97.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1	Upper Pliocene ?	☒	XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX XXXXXX	S S S S S S S S S S	5Y 4/1	CLAYSTONE and SILTY CLAYSTONE  Major Lithologies: Core consists of olive gray (5Y 4/1) CLAYSTONE and SILTY CLAYSTONE.  General Description: This core is semi-consolidated, with harder drilling biscuits in a softer material homogenized by drilling. Section 1 was cut by wire, whereas the remaining sections were cut by saw. Isolated, black (organic?), pyrite-bearing spots and discontinuous mm-thin laminae occur throughout the core. Core contains dark seams.
1.0		2						
1.5		3						
2.0		4						
2.5		CC						
3.0								
3.5								
4.0								
4.5								
5.0								

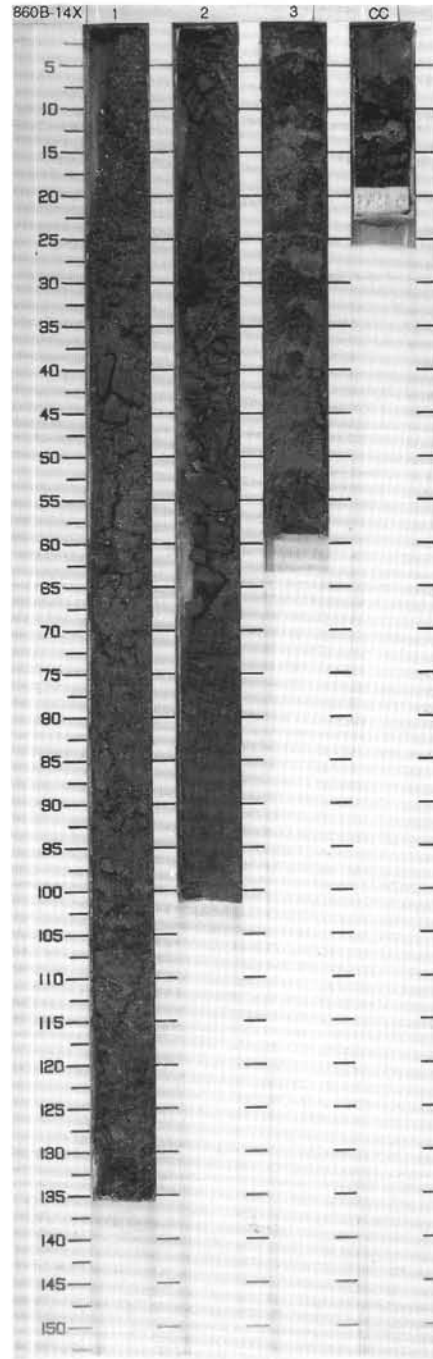
## SITE 860 HOLE B CORE 13P

CORED 97.6 - 99.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1	↑		VVVV	S	5Y 4/1	CLAYSTONE and SILTY CLAYSTONE  Major Lithologies: The core consists of olive gray (5Y 4/1) CLAYSTONE and SILTY CLAYSTONE.  General Description: The core has been deformed by the pressure-coring process. Fine, mm-scale black (organic-rich?) streaks occur throughout the core.
			upper Pliocene ?					



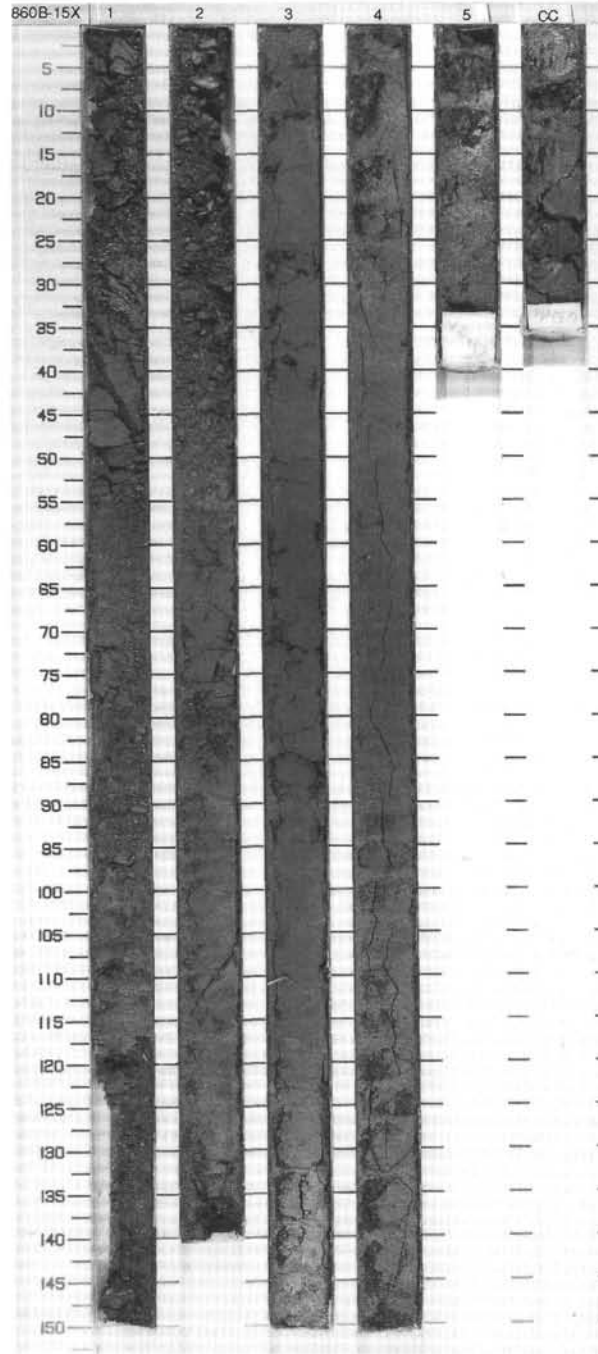
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0		1	upper Pliocene			S	5Y 4/1	CLAYSTONE Major Lithology: The core consists of olive gray (5Y 4/1) CLAYSTONE.
		2				W <sub>1</sub>		Minor Lithology: There are two intervals of olive gray (5Y 4/1) SANDY SILTY CLAYSTONE: Section 2, 80-101 cm, and Section CC, 0-5 cm.
		3				S		General Description: Material is structureless drilling breccia, which grades down into biscuited zones. Isolated, black (organic?) spots and faint mm-scale laminae occur in Section 2, 50-100 cm. Core contains dark seams.
		CC				M		



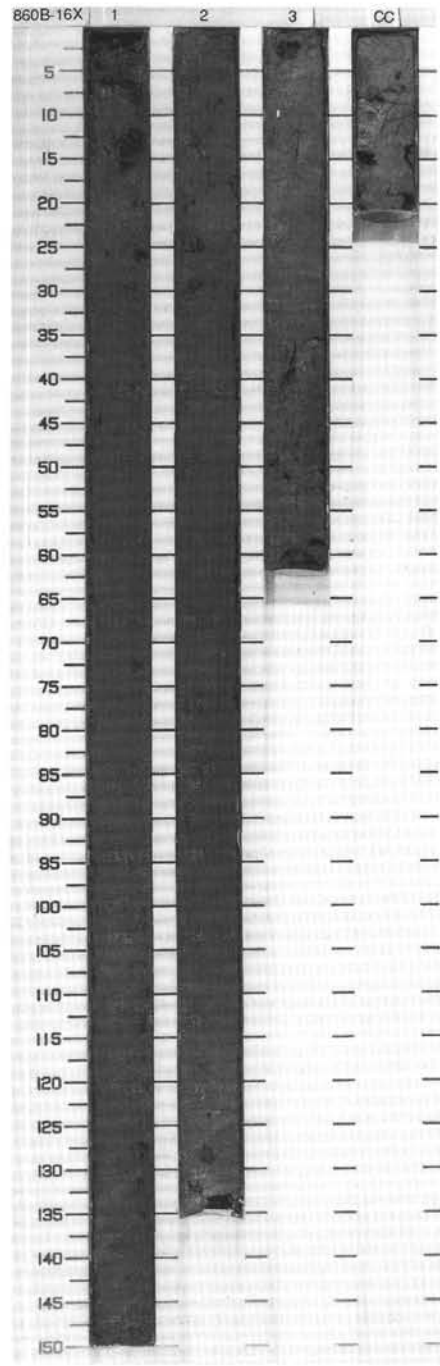
SITE 860 HOLE B CORE 15X

CORED 107.2 - 116.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0	[Dotted pattern]	1		(P)	X	S S	5GY 2/1 to 5GY 4/1	<p>CLAY/CLAYSTONE and CLAYEY SILTSTONE/SILTY CLAYSTONE</p> <p>Major Lithologies: This core consists of moderate to thickly bedded CLAY/CLAYSTONE and CLAYEY SILTSTONE/SILTY CLAYSTONE, with colors ranging from greenish black (5G 2/1 - 5GY 2/1), dark greenish gray (5GY 4/1) to grayish olive green (5GY 3/2). Specks, ovoids, and irregularly shaped pods of organic matter (plant or wood fragments?) and pyrite nodules are oaredispersed throughout Sections 2, 5 and the CC.</p>
		2	?		X	S S	5GY 4/1	
		3	upper Pliocene		X	S S		<p>General Description: The core consists of highly fractured rock with some coherent intervals. Claystone exhibits a subhorizontal fissility. A normal fault offsets bedding at Section 3, 2-10 cm; the fault plane is about 2 mm thick and is stained dark.</p>
		4			X	S S	5GY 3/2 to 5GY 4/1	
		5			X	S S		
		CC			X	S S		



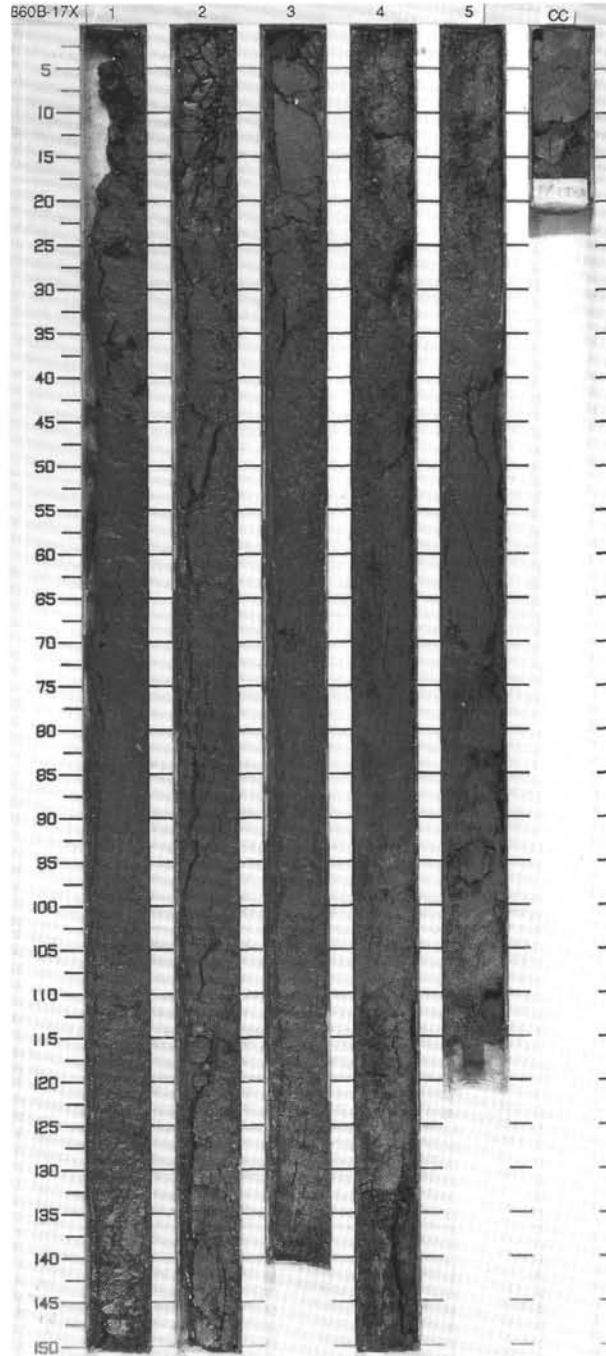
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Cross-hatched lithological pattern]	1	upper Pliocene	[Bedding diagram]	[Disturbance diagram]	S	5GY 3/2	SILTY CLAYSTONE AND CLAYEY SILTSTONE
1.0		2		[Bedding diagram]	[Disturbance diagram]	S		Major Lithology: This core consists of moderate to thickly bedded, olive gray (5GY 3/2), SILTY CLAYSTONE and CLAYEY SILTSTONE.
		3		[Bedding diagram]	[Disturbance diagram]	S I W		General Description: This core consists of drilling biscuits 1-5 cm thick. Rare original bedding preserved within them is subhorizontal.
		CC		[Bedding diagram]	[Disturbance diagram]	S M		



SITE 860 HOLE B CORE 17X CORED 126.5 - 136.1 mbsf

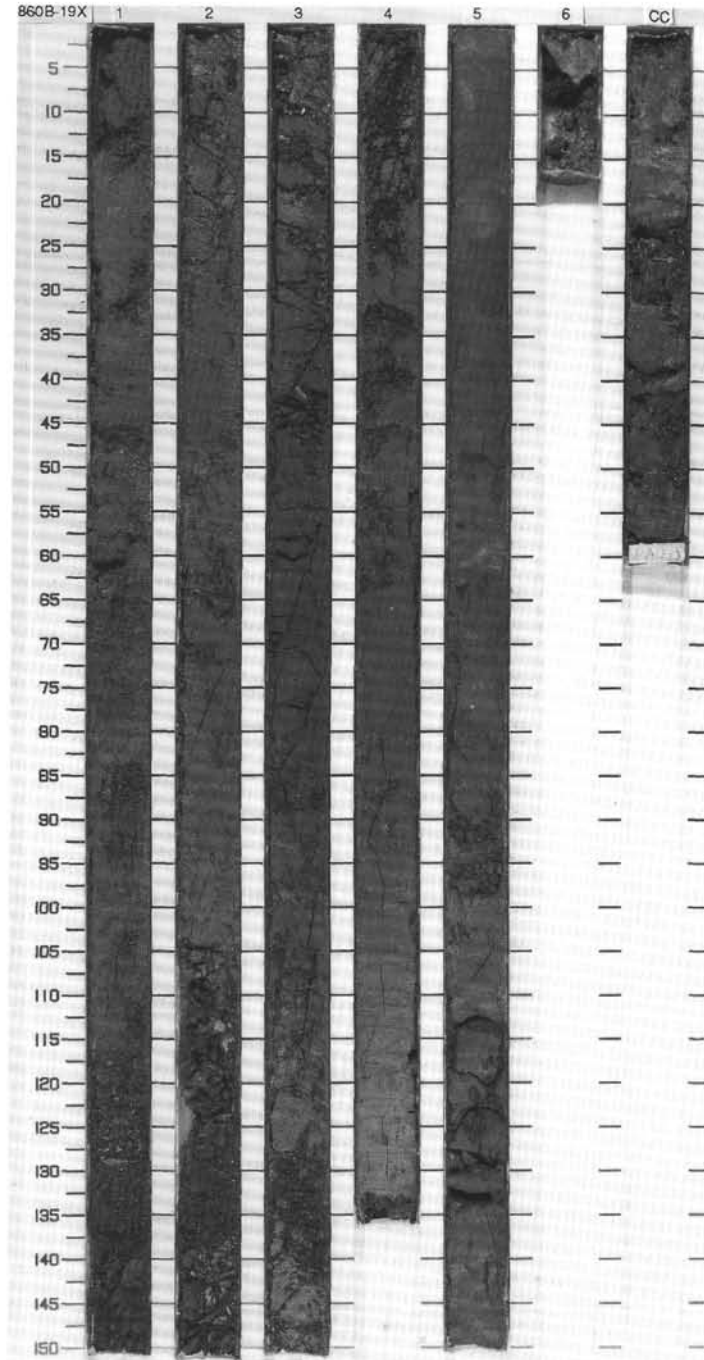
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Cross-hatched lithology pattern]	1	upper Pliocene	[Small circles]	[Vertical lines]	S	5GY 3/2	CLAYEY SILTSTONE
1.0						S		Major Lithology: This core consists of grayish olive green (5GY 3/2) to greenish black (5GY 2/1) CLAYEY SILTSTONE.
						S		General Description: Sections 1-3 and 5 have dispersed small shells of micro- and macrofauna. Bedding is not visible. Spaced fractures which occur throughout the core may be drilling or post-drilling disturbance. Core is highly disturbed in Section 1 and Sections 3 through CC.
						S		
						S		
						S		
						S		
						S		
						S		
						S		
		CC				M	5GY 2/1 to 5GY 3/2	

860B-18P NO RECOVERY





Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Graphic Lithology: Dotted pattern]	1	Pliocene	[Structure: wavy lines]	[Disturb: X marks]	S	5Y 3/2	<p>SILTY CLAYSTONE, SANDY SILT, SILTY CLAY and CLAYSTONE</p> <p>Major Lithologies: This core mostly consists of olive gray (5Y 3/2), grayish olive green (5GY 3/2), and dark greenish gray (5GY4/1) SILTY CLAY, SANDY SILT, CLAYSTONE, SANDY CLAYSTONE, and CLAYEY SILTSTONE. Induration is variable from unconsolidated clays and silts, through semi-consolidated to lithified material. The core is moderate to thickly bedded, with parallel laminae structure in Section 4 (upper part).</p> <p>Minor Lithologies: A bed of grayish olive (10Y 4/2) SILTY SAND with bioclasts occurs in Section 1, 25-39 cm, and a bed of very light gray (N 8) VOLCANIC LAPILLI occurs in CC, 0-12 cm.</p> <p>General Description: Rare, small nodules of pyrite are found in upper part of Section 3. In Sections 2 (30-35 cm) and 4 (25-30 cm and 85-95 cm) there are small complete shells. A small red lithic fragment (chert) was found in Section 2 in Interval 30-31 cm. Section 1 (32-37 cm) has traces of slight bioturbation. Post-drilling normal faults that offset drilling biscuit boundaries occur in Section 4 (70-100 cm) and Section 5 (55-65 cm).</p>
1.0						S	5GY 3/2	
						S		
						S		
						S		
						S		
		2				S		
		3				S		
		4				S		
		5				S		
		6				I	5GY 4/1	
		CC				S	5GY 3/2	
						M		

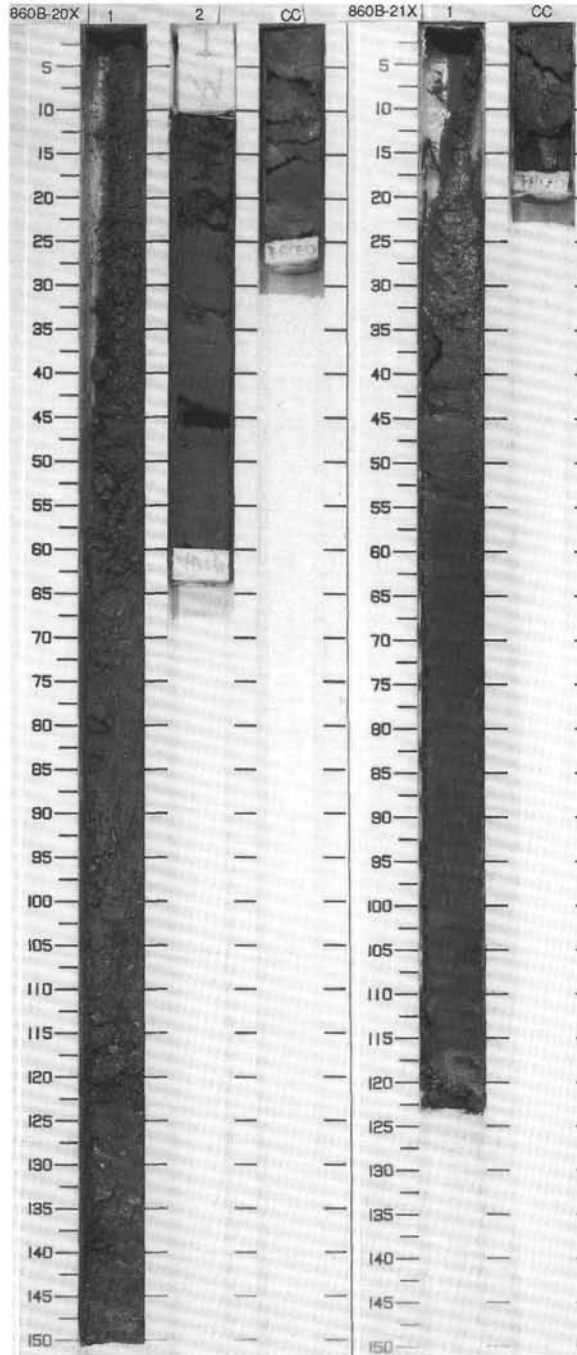


SITE 860 HOLE B CORE 20X CORED 145.8 - 155.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0		1 2 CC	upper Pliocene		XXXX XX 	S I S S M	5GY 4/1	<p>SILTY CLAYSTONE and CALCAREOUS SANDY SILTY CLAYSTONE</p> <p>Major Lithologies: The core consists of dark greenish gray (5GY 4/1) SILTY CLAYSTONE and CALCAREOUS SANDY SILTY CLAYSTONE.</p> <p>Minor Lithology: Dark greenish gray (5GY 4/1) SILTSTONE occurs in one biscuit at Section CC, 15-16 cm.</p> <p>General Description: Section 1 and Section 2, 10-20 cm, consist of structureless drilling breccia, whereas the remainder of the core is biscuited. Darker laminations visible in the biscuited regions may be of sedimentary origin, but they have been modified by drilling.</p>

SITE 860 HOLE B CORE 21X CORED 155.5 - 165.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0		1 CC	lower Pliocene		XXXX 	S S S I S M	5GY 2/1	<p>CLAYEY SILTSTONE</p> <p>Major Lithology: The core consists of greenish black (5GY 2/1) CLAYEY SILTSTONE.</p> <p>Minor Lithologies: Olive black (5Y 2/1) SILTSTONE laminae occur in Section 1, 45-60 cm. One interval of dark greenish gray (5GY 4/1) CLAYSTONE occurs in Section 1, 118-124 cm.</p> <p>General Description: Below Section 1, 35 cm, the core is biscuited. These biscuits are separated by darker laminations, some of which may represent original bedding/lamination modified by drilling.</p>



SITE 860 HOLE B CORE 22X

CORED 165.1 - 174.8 mbsf

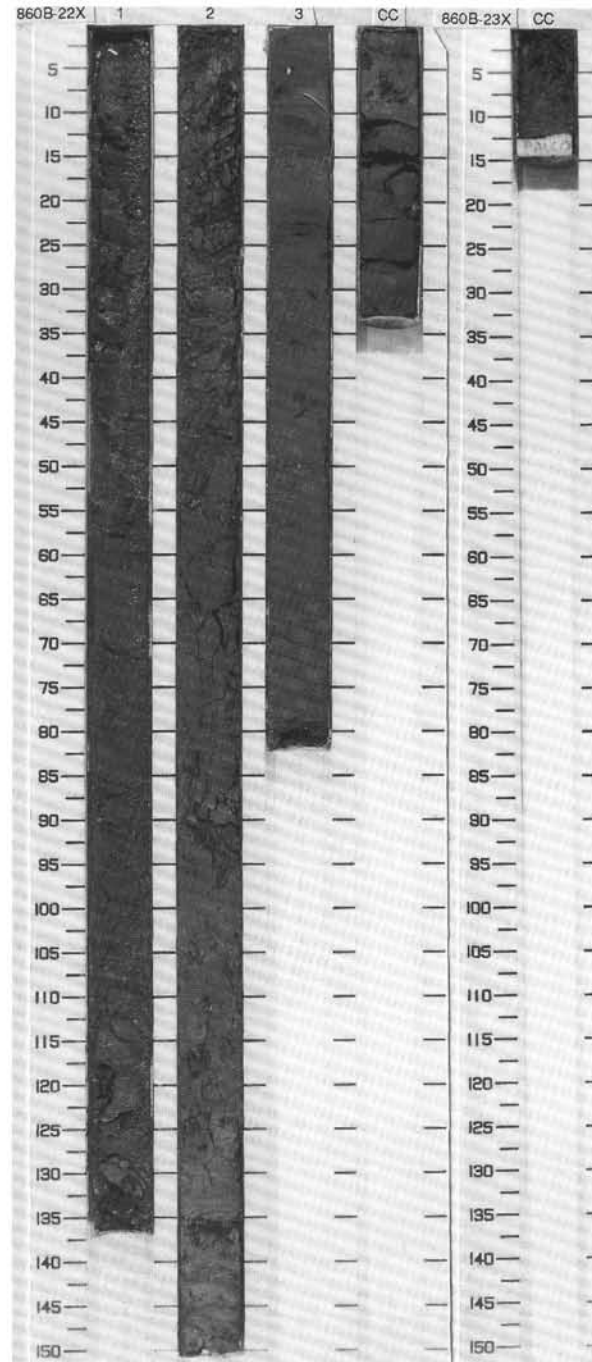
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Stippled pattern]	1	lower Pliocene			S I W	5GY 4/1	<p>SANDY SILTY CLAYSTONE and SANDY SILTSTONE</p> <p>Major Lithology: The core consists of dark greenish gray (5GY 4/1), structureless SANDY SILTY CLAYSTONE. Dark gray (N4) partly laminated SANDY SILTSTONE occurs in Section 3 and Section CC.</p> <p>Minor Lithology: Thin interbeds of SILTY SANDSTONE TO SANDSTONE occur in Section 3, 24-25 cm and 28-29 cm. Lower contacts are sharp.</p> <p>General Description: Sandy siltstones are more sandy in Section 3, 41-42 cm and in Section CC, 2-3 cm and 21-22 cm without showing any distinct bedding. Fine horizontal lamination is present in Section 2, 142-143 cm and in Section 3, 5-6 cm and 50-51 cm. Finely laminated sets in Section 3, 12-15 cm and 35-29 cm are wedge-shaped and slightly inclined compare to general bedding. The upper part of the core consists of fragments of sandy silty claystone and loose sand and silt. The lower parts show some drilling biscuits.</p>
1.0	[Stippled pattern]	2						
	[Stippled pattern]	3						
	[Stippled pattern]	CC						

SITE 860 HOLE B CORE 23X

CORED 174.8 - 184.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.1	[Stippled pattern]	CC	lower Pliocene			S M	5GY 4/1	<p>SILTY CLAYSTONE</p> <p>Major Lithology: Core consists of dark greenish gray (5GY 4/1) SILTY CLAYSTONE.</p> <p>General Description: Core consists of structureless drilling breccia.</p>

Note expanded vertical scale.



SITE 860 HOLE B CORE 24X CORED 184.4 - 194.1 mbsf

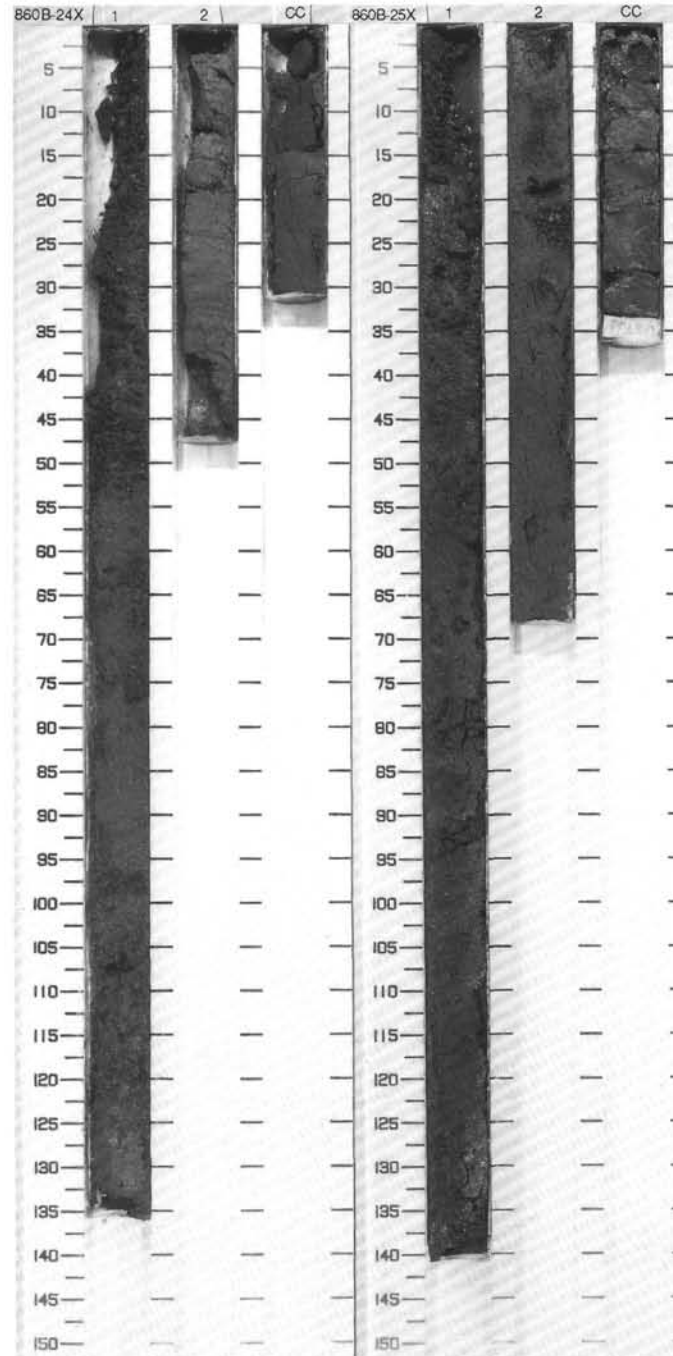
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0		1 2 CC	lower Pliocene	⊗ ⊗ ⊗ ⊗	XXXX XXXX XXXX XXXX	S I W S S M	5Y 3/2	<p>CLAYEY SILTSTONE</p> <p>Major Lithology: The core consists of olive gray (5Y 3/2) CLAYEY SILTSTONE.</p> <p>Minor Lithology: Olive gray (5Y 3/2) SANDY SILTY CLAYSTONE laminae occur in Sections 2 and CC.</p> <p>General Description: Larger fragments of drilling breccia in Section 1 are structureless and homogeneous.</p>

SITE 860 HOLE B CORE 25X CORED 194.1 - 203.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0		1 2 CC	Pliocene ?		XXXX XXXX XXXX	S I S S S M	5Y 2/1 to 5Y 3/2	<p>SILTY CLAYSTONE TO CLAYEY SILTSTONE</p> <p>Major Lithology: The core consists predominantly of olive black to (5Y 2/1) olive gray (5Y 3/2) SILTY CLAYSTONE TO CLAYEY SILTSTONE.</p> <p>Minor Lithologies: Minor lithologies include INTRACLASTIC GRANULE CONGLOMERATE (Section 2, 40-41 cm; Section CC, 3-6 and 18-20 cm), CLAYSTONE (Section CC, 5-7 cm) and SANDY SILTSTONE (Section 2, 60-61 cm). These are interlaminated with each other (and the major lithologies), but detailed bedding relationships are obscured by biscuiting.</p>

860B-26X NO RECOVERY

860B-27X NO RECOVERY



SITE 860 HOLE B CORE 28X

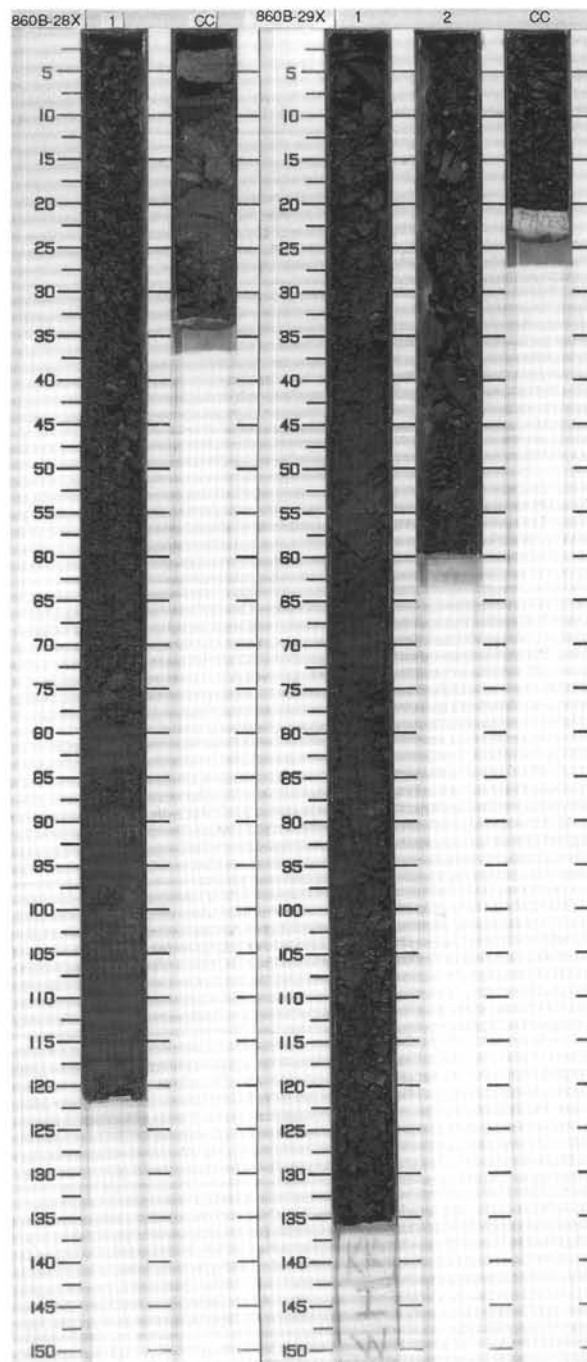
CORED 223.1 - 232.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0		1 CC	Pliocene ?	    	XXX XXX XXX	S S M	5YR 2/1 to 5GY 2/1	<p>SILTY CLAYSTONE TO CLAYEY SILTSTONE</p> <p>Major Lithology: The core consists of brownish black (5YR 2/1) to greenish black (5GY 2/1) SILTY CLAYSTONE to CLAYEY SILTSTONE.</p> <p>Minor Lithology: Intraformational granule-sized, clast-supported CONGLOMERATE bed occurs in Section 1, 98-101 cm. It has gradational lower and upper contacts and clasts are mostly sedimentary (siltstones and claystones). Some pyrite concretions also occur within it. Several isolated pebbles of siltstones, claystones and shales are present in Section 1, 74-78 cm. Maximum pebble size is 3 cm.</p> <p>General Description: Section 1, 108-109 cm, is made up of small percentages of fine sand-sized clasts. The core contains drilling biscuits in its lower portion and otherwise is highly fractured.</p>

SITE 860 HOLE B CORE 29X

CORED 232.8 - 242.5 mbsf

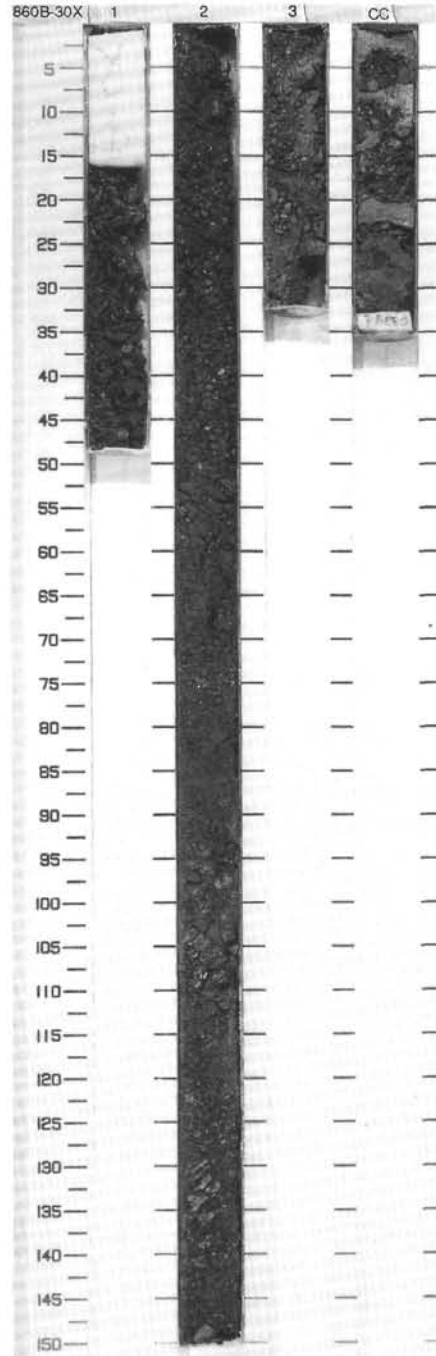
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0		1 2 CC	Pliocene ?		XXX XXX XXX	S I W S M	5Y 3/2 5GY 3/2	<p>SILTY CLAYSTONE</p> <p>Major Lithology: The core consists of very homogeneous olive gray (5Y 3/2) to grayish olive green (5GY 3/2) SILTY CLAYSTONE with an apparent massive bedding character.</p> <p>General Description: Sediments are totally disrupted by drilling.</p>



SITE 860 HOLE B CORE 30X

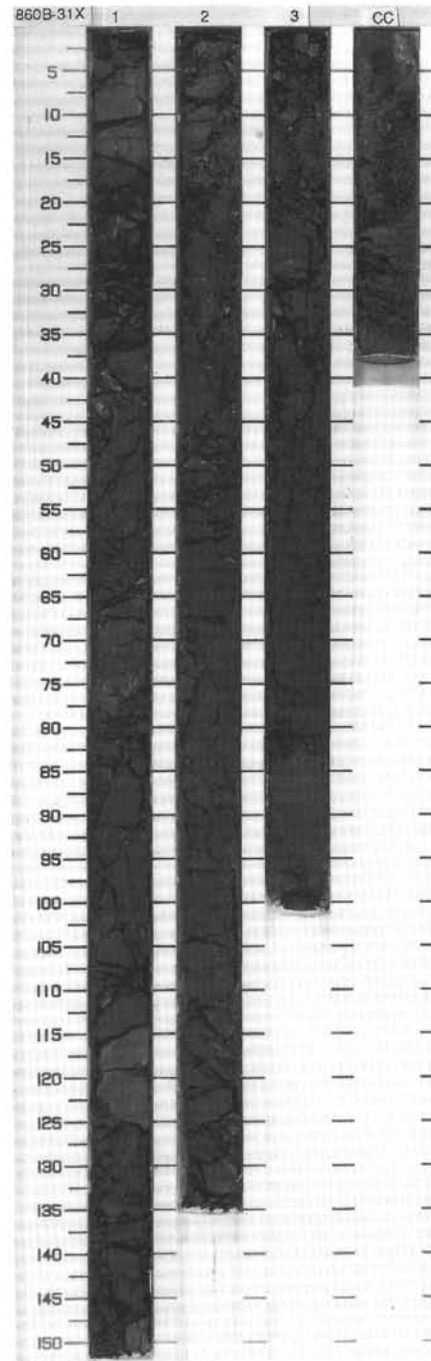
CORED 242.5 - 251.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Pattern]	1	Pliocene ?	[Symbol]	[Symbol]	I S	5GY 3/2	<p>CLAYEY SILTSTONE TO SILTY CLAYSTONE, SANDY SILTSTONE and SILTSTONE</p> <p>Major Lithologies: The core consists of moderately bedded grayish olive green (5GY 3/2) to olive gray (5Y 3/2) CLAYEY SILTSTONE TO SILTY CLAYSTONE, SANDY SILTSTONE and SILTSTONE.</p> <p>Minor Lithology: NANNOFOSSIL CHALK is present in Section 3 and CC.</p> <p>General Description: The core consists of highly fractured rock disturbed by drilling. Section 2 retains semicoherent original stratigraphy.</p>
1.0	[Pattern]	2		[Symbol]	[Symbol]	S	5Y 3/2	
	[Pattern]	3		[Symbol]	[Symbol]	S		
	[Pattern]	CC		[Symbol]	[Symbol]	S	5GY 3/2	
						M		





Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1	lower Pliocene - upper Pliocene			S	5Y 3/2 to 5GY 3/2	<p>NANNOFOSSIL SILTSTONE and NANNOFOSSIL CLAYEY SILTSTONE</p> <p>Major Lithologies: This core dominantly consists of planar laminated to moderately bedded olive gray (5Y 3/2) to grayish olive green (5GY 3/2) NANNOFOSSIL SILTSTONE and NANNOFOSSIL CLAYEY SILTSTONE with dispersed wisps, ovoids, and lenses (&lt;3 mm) of organic matter (plant fragments?) and rare shell fragments (Section 1, 1-90 cm).</p> <p>Minor Lithology: There is one thin layer of olive gray (5Y 3/2) to grayish olive green (5GY 3/2) SANDY SILTSTONE from 90 to 91 cm in Section 1.</p> <p>General Description: The overall structure is layer-parallel extension of ductile sediments. Microfaults with normal separation occur in drilling breccia fragments in Section 2, 120-130 cm. Much of Section 3 is characterized by necked and thinned beds associated with normal microfaults.</p>
1.0						S		
						S		
						S		
						S		
						S		
						S		
						S		
						S		
						S		
		2				I W		
		3				S		
						S		
		CC				M		

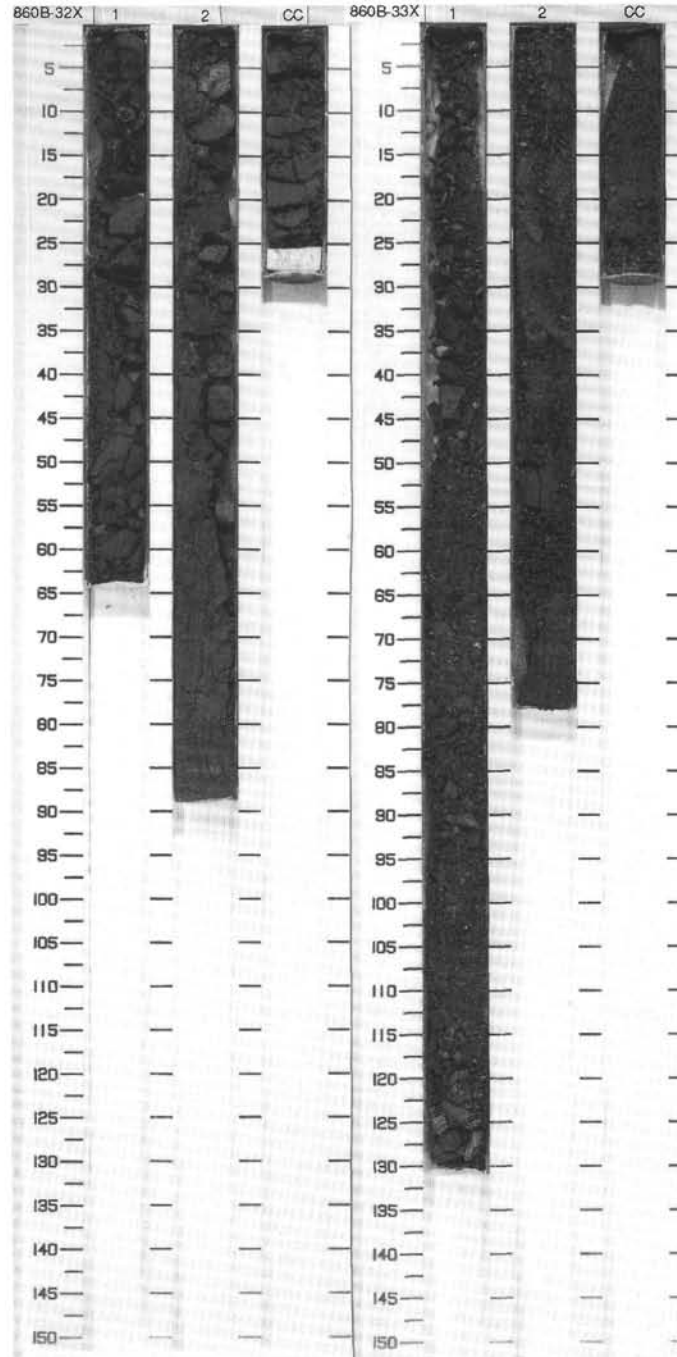


## SITE 860 HOLE B CORE 32X CORED 261.6 - 271.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1	upper Pliocene			S	5GY 3/2	<p><b>NANNOFOSSIL SILTSTONE</b></p> <p>Major Lithology: This core dominantly consists of thick bedded olive gray (5Y 3/2) to grayish olive green (5GY 3/2) NANNOFOSSIL SILTSTONE with dispersed small fragments of plants(?) and shells.</p> <p>Minor Lithology: In Section 2 there are a few intercalated thin horizons of SAND TO SANDY SILTSTONE.</p> <p>General Description: The core is highly disrupted by drilling, but bedding is preserved within rotated fragments.</p>
1.0		2				S	5Y 3/2	
		CC				M	S	

## SITE 860 HOLE B CORE 33X CORED 271.2 - 280.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
0.5		1	lower Pliocene			S	5Y 3/2	<p><b>SILTY CLAYSTONE TO CLAYEY SILTSTONE and MATRIX-SUPPORTED CONGLOMERATE</b></p> <p>Major Lithologies: Section 1, 0 to 45 cm, consists of olive gray (5Y 3/2) SILTY CLAYSTONE TO CLAYEY SILTSTONE with dispersed but sparse shell fragments. Section 1, 45 cm, to the end of the core consists of MATRIX-SUPPORTED CONGLOMERATE with clayey siltstone matrix. The MATRIX-SUPPORTED CONGLOMERATE contains dispersed shell fragments and pyritized wood stems. Clasts include pebble- to granule-size subangular to subrounded clasts of volcanic rocks, claystone, siltstone, pyritized wood fragments, and some gravel-size pyritized wood fragments. No structures are preserved.</p>	
1.0		2				I			W
		CC				M			S



SITE 860 HOLE B CORE 34X

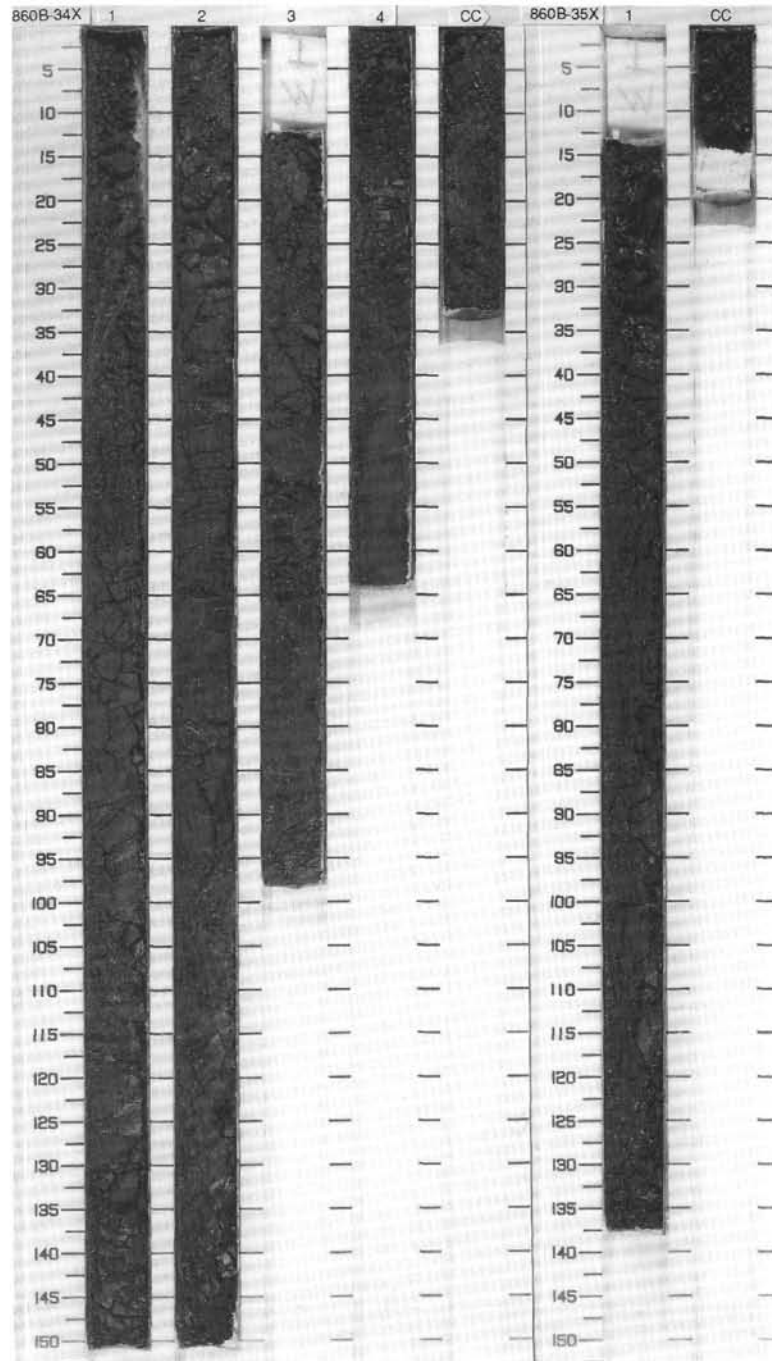
CORED 280.8 - 290.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1	lower Pliocene		XXXXXX	S	5Y 3/2	SILTY CLAYSTONE and CLAYEY SILTSTONE  Major Lithologies: The core consists of massive, structureless, olive gray (5Y 3/2) SILTY CLAYSTONE and olive black (5Y 2/1) CLAYEY SILTSTONE.  General Description: Core contains polished surfaces with slickenlines.
1.0		2						
		3						
		4						
		CC						
					XXXXXX	I		
					XXXXXX	S	5Y 2/1	
					XXXXXX	M		

SITE 860 HOLE B CORE 35X

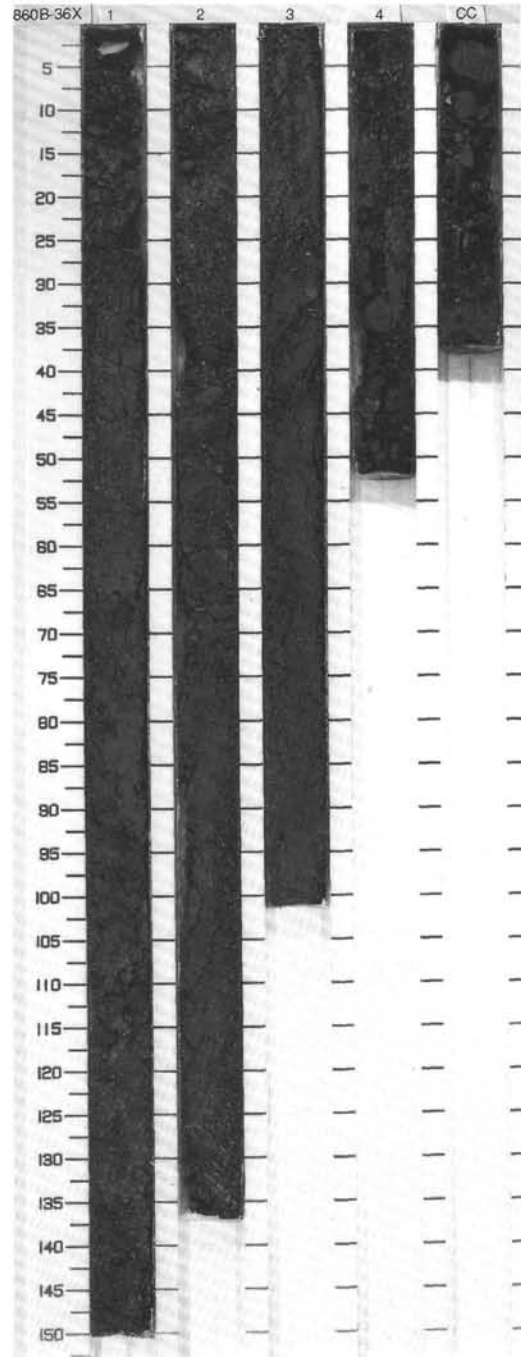
CORED 290.4 - 300.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1	lower Pliocene	&	XXXXXX	I W	5Y 2/1	SILTY CLAYSTONE  Major Lithology: The core consists of olive black (5Y 2/1) SILTY CLAYSTONE.  General Description: Small shell fragments (0.2 mm) are present in Section 1, 110-111 cm. The core is highly brecciated and fractured by drilling. Some more coherent pieces occur in Section 1, 92-100 cm, and 105-126 cm. Core contains dark seams.
1.0		CC				S		
					XXXXXX	M		



SITE 860 HOLE B CORE 36X CORED 300.1 - 309.8 mbsf

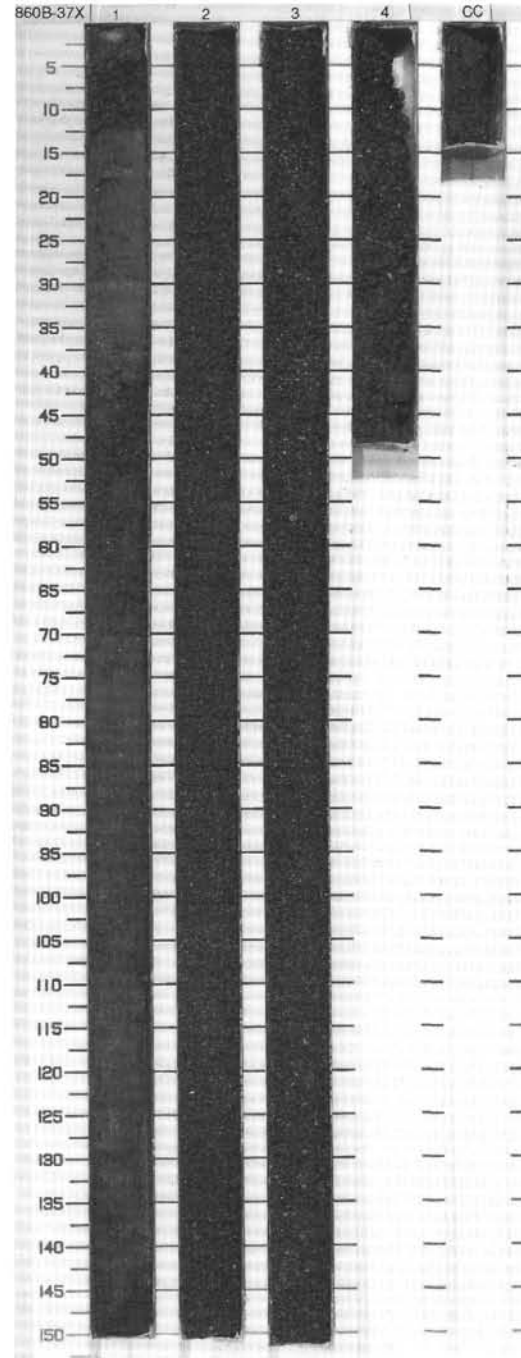
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Hatched pattern]	1	lower Pliocene	◇	[Wavy line]	S	5Y 3/2	<p>CLAYEY SILTSTONE and SILTY CLAYSTONE</p> <p>Major Lithologies: The core consists of structureless, massive, olive gray (5Y 3/2) CLAYEY SILTSTONE to SILTY CLAYSTONE.</p> <p>Minor Lithology: Two beds of olive gray (5Y 3/2) GRANULE TO PEBBLE CONGLOMERATE occur at Section 2, 50-60 cm and Section 4, 24-27 cm.</p> <p>General Description: The conglomerate beds range from grain supported near their base to matrix supported near their top and have angular but diffuse contacts with underlying lithologies. The maximum clast size is 5x8 mm; some clasts are well-rounded. Clast color ranges from grayish olive (10Y 4/2) to grayish black (N2), but most appear to be similar in color and texture to the surrounding sediment (intraclasts?). The isolated pebbles consist of micritic limestone, and carbonate-cemented siltstone with pyrite-filled burrows. Core contains dark seams.</p>
1.0		2		◇		S		
		3		◇		S I		
		4				S		
		CC				M		



SITE 860 HOLE B CORE 37X

CORED 309.8 - 319.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1	upper Pliocene	⌘	OOOOOOO	S S S	5Y 4/1	GRAVEL  Major Lithology: The core predominantly consists of olive gray (5Y 4/1) poorly sorted (sandy silty clayey) and olive gray (5Y 3/2), moderately sorted, granule to pebble GRAVEL. Individual clasts are predominantly olive gray (5Y 3/2), but range to dark gray (N3); the former clasts are sedimentary and the latter are metamorphic.
1.0		2		⌘	OOOOOOO	S	5Y 3/2	Minor Lithologies: Laminated olive gray (5Y 4/1) to medium dark gray (N4) SILTY CLAYSTONE, CLAYEY SILTSTONE, and CLAYSTONE occurs in Section 1, 12-37 cm.
		3		⌘	OOOOOOO			General Description: Gravel-sized fragments range from rounded to very well-rounded. The uppermost gravel unit (Section 1, 0-12 cm) has a maximum grain size of 4 cm. The lower gravel unit (Section 1, 37 cm through CC) is poorly sorted in its upper and lower sections, but overall grain size increases down core. Maximum grain size increases from 1.4 cm (Sections 1 and 2) to 1.5 cm (Section 3) and 2.0 cm (Section 4); the mean clast size increases from 0.4 cm in Section 2 to 0.8 cm in Section 4. This apparent sorting (upward-fining sequence) may be a consequence of or modified by drilling. Various types of pelecypod shell fragments are interspersed throughout the core.
		4		⌘	OOOO	M		

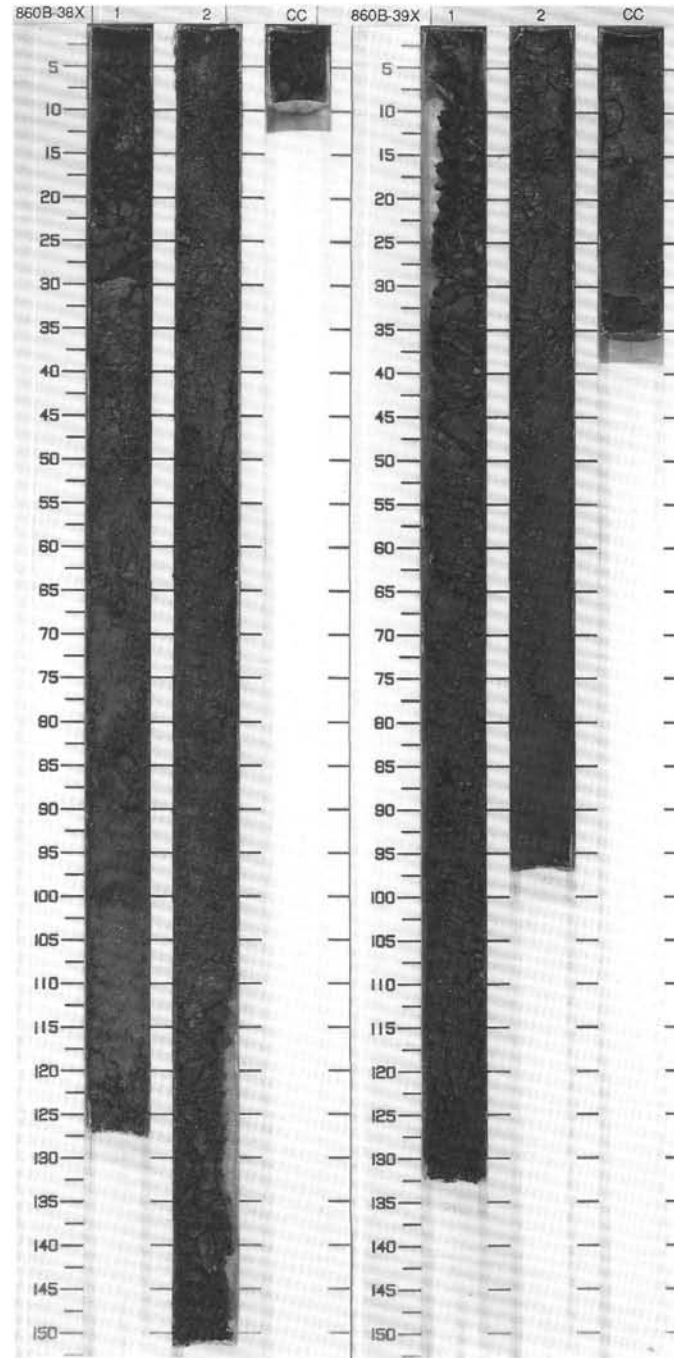


SITE 860 HOLE B CORE 38X CORED 319.4 - 328.7 mbsf


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Hatched pattern]	1	upper Pliocene		XXXX	S	5Y 3/2 to 5Y 2/1	CLAYEY SILTSTONE TO SILTY CLAYSTONE  Major Lithology: The core consists of structureless, olive gray (5Y 3/2) to olive black (5Y 2/1) CLAYEY SILTSTONE TO SILTY CLAYSTONE.  Minor Lithology: A few fragments of light olive gray (5Y 5/2) MICRITIC LIMESTONE occur in Section 1, 62-64 cm, and Section 2, 24-30 cm.
1.0		2				S		
		CC				S		
General Description: The core contains dark seams.								

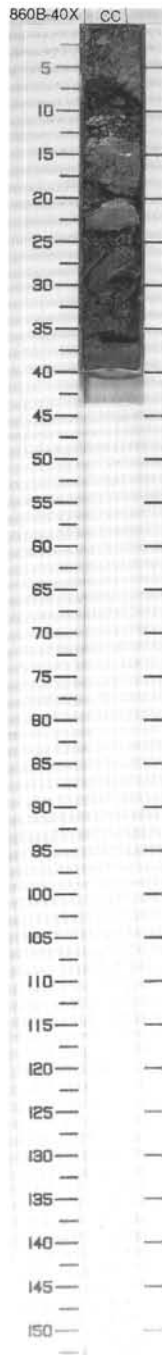
SITE 860 HOLE B CORE 39X CORED 328.7 - 338.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Hatched pattern]	1	Pliocene ?	X	XXXX	S	5Y 3/2	CLAYEY SILTSTONE  Major Lithology: This core dominantly consists of olive gray (5Y 3/2) CLAYEY SILTSTONE.  Minor Lithology: The lower interval in the core catcher, 30-35 cm, contains an olive green NANNOFOSSIL SILTSTONE layer, which may have been substantially altered by drilling induced deformation (typical of low recovery intervals).
1.0		2				S		
		CC				S		
General Description: No bedding is preserved due to extreme drilling disruption, but Sections 1 and 2 consist of fairly coherent fragments in stratigraphic order. One fracture plane with slickenlines suggests SE dip-slip (in core reference frame) in Section 1, 90-95 cm.								



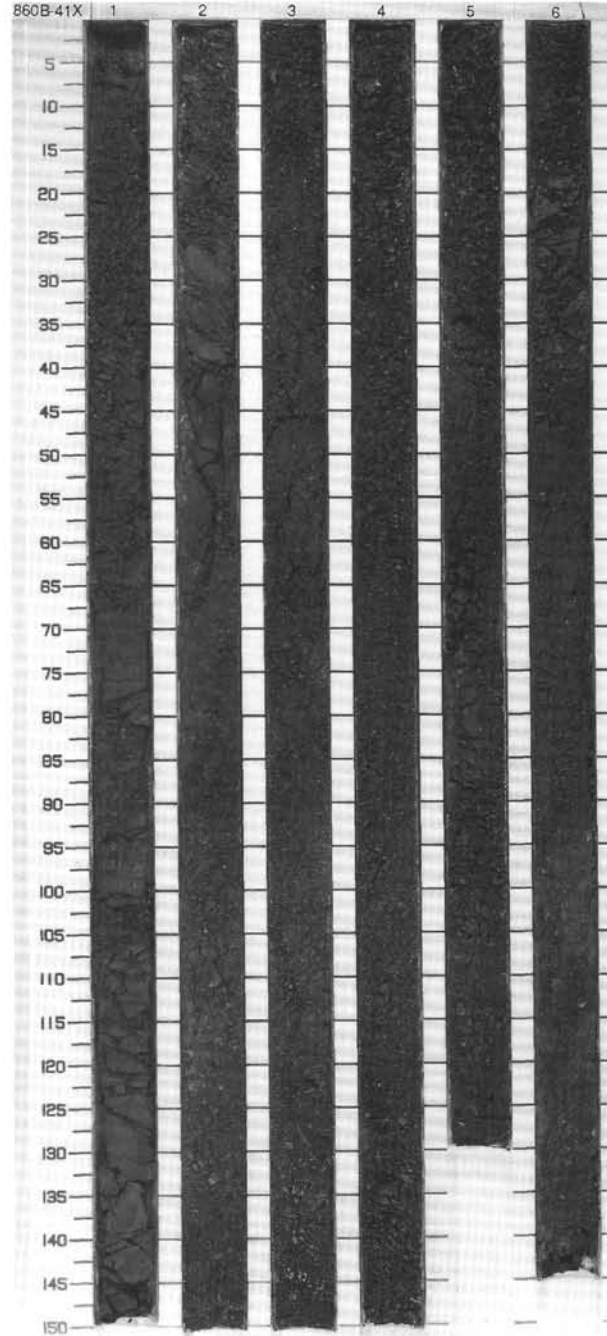


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.2		CC		ls	++	S	5Y 3/2 tp	SILTY CLAYSTONE
			Pliocene ?			5Y 2/1	<p>Major Lithology: This core consists of olive gray (5Y 3/2) SILTY CLAYSTONE, with specks of dark (organic?) matter.</p> <p>General Description: The core catcher has spaced dark bands of clayey material which are believed to be produced by drilling.</p>	



SITE 860 HOLE B CORE 41X CORED 348.0 - 357.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0		1						<p>CLAYEY SILTSTONE and MATRIX-SUPPORTED CONGLOMERATE</p> <p>Major Lithologies: This core consists of alternating thick to massive beds of olive gray (5Y 3/2) CLAYEY SILTSTONE and olive gray (5Y 3/2) MATRIX-SUPPORTED CONGLOMERATE. The latter has intraformational clasts of angular to subangular shapes that are cemented or lithified within a matrix of CLAYEY SILTSTONE.</p> <p>Minor Lithologies: The MATRIX-SUPPORTED CONGLOMERATE contains gently dipping interbeds of SHALE partings and includes clasts of NANNOFOSSIL SILTSTONE.</p> <p>General Description: The CLAYEY SILTSTONE is highly fractured and exhibits a well-developed fissility. The MATRIX-SUPPORTED CONGLOMERATE exhibits recent fractures (probably drilling-induced), and layer-parallel extension of some beds.</p>
		2				S		
		3	Pliocene ?			S	5Y 3/2	
		4				S		
		5				S		
		6				I S S M		



SITE 860 HOLE B CORE 42P

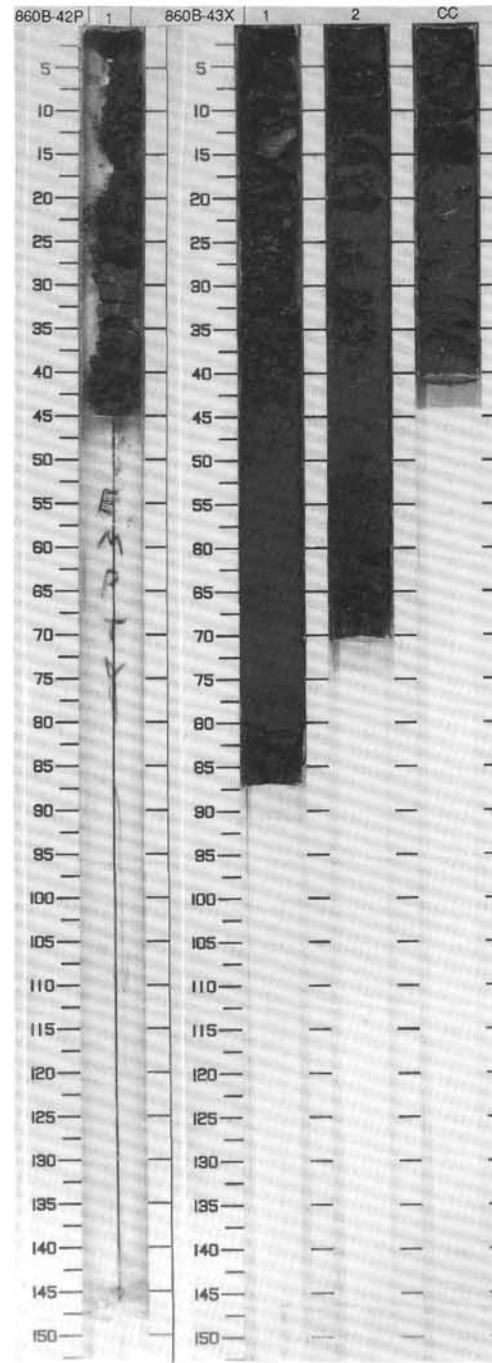
CORED 357.7 - 359.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.2		1			∇	S	5Y 3/2	SILTY CLAYSTONE
<p style="text-align: center;">↑ Pliocene ?</p> <p>Major Lithology: Core consists of olive gray (5Y 3/2) SILTY CLAYSTONE.</p> <p>General Description: Deformation related to nature of pressure core barrel.</p>								

SITE 860 HOLE B CORE 43X

CORED 359.2 - 367.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1			XX	S		CLAYEY SILTSTONE
1.0		2	Pliocene ?		+	S S	5GY 4/1	Major Lithology: This core dominantly consists of dark greenish gray (5Y 4/1) CLAYEY SILTSTONE speckled with dark gray (N2) spots of carbonaceous matter.
		CC			+	S		Minor Lithology: Intercalated with the CLAYEY SILTSTONE are thin dark gray (N3) beds of SILTY CLAYSTONE with dispersed carbonaceous matter (seen in smear slides).
					+	M S		General Description: The entire core is highly disturbed by drilling, although primary features are preserved within drilling biscuits.



## SITE 860 HOLE B CORE 44X CORED 367.3 - 376.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC			XXXX	S	5Y 3/2	MATRIX-SUPPORTED CONGLOMERATE
			↑			S		Major Lithology: The core catcher contains structureless, olive gray (5Y 3/2) intraformational MATRIX-SUPPORTED CONGLOMERATE with rounded to subangular pebbles in a matrix of clayey siltstone. Clasts include nannofossil-rich clayey siltstone.
			upper Pliocene			M		

Note expanded vertical scale.

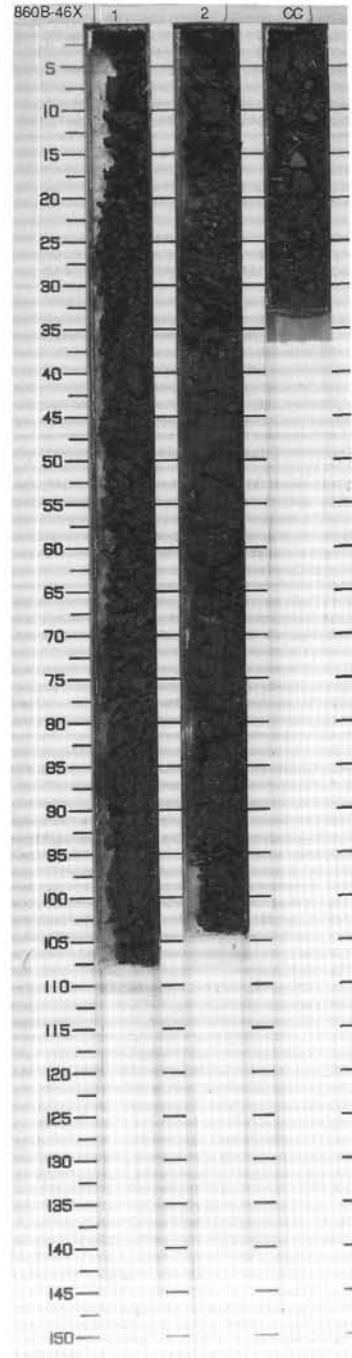
## SITE 860 HOLE B CORE 45X CORED 376.9 - 386.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.1						S	5Y 3/2	MATRIX-SUPPORTED CONGLOMERATE and SILTY CLAYSTONE TO CLAYEY SILTSTONE
0.2						S		Major Lithologies: This core consists only of the core catcher which contains in the upper 26 cm an olive gray MATRIX-SUPPORTED CONGLOMERATE with subangular clasts of siltstone and silty claystone, 6 cm or less in diameter. Below 26 cm the core consists of grayish olive green to dark greenish gray SILTY CLAYSTONE TO CLAYEY SILTSTONE.
0.3		CC	Pliocene ?			S	5GY 4/1 to 5GY 3/2	
0.4						M		
								General Description: The CLAYSTONE layers below 26 cm have dispersed carbonaceous matter, and some of the CLAYEY SILTSTONE layers have light spots of nannofossil-rich siltstone. Bedding preserved within a drill biscuit at 26 cm is moderately inclined.

Note expanded vertical scale.



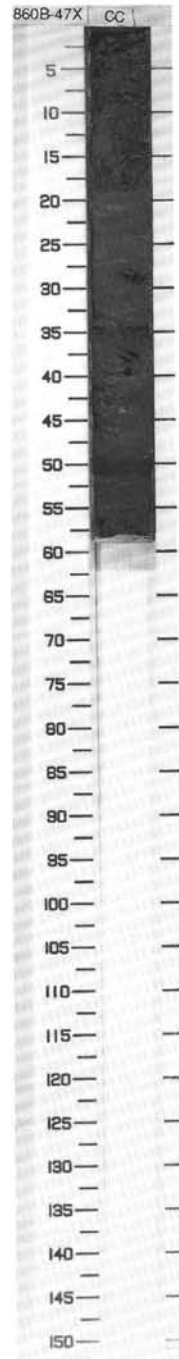
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0		1 2 CC	Pliocene ?			S I W S S M	5Y 2/1	<p><b>SILTY CLAYSTONE</b></p> <p><b>Major Lithology:</b> The core consists of olive black (5Y 2/1) SILTY CLAYSTONE.</p> <p><b>Minor Lithologies:</b> One thin bed of intraformational granule-sized CONGLOMERATE occurs in Section 1, 85-89 cm. This bed has a sharp lower contact and is clast-supported, but in its upper portion individual clasts are supported by sandy silty clay showing a gradational contact with the overlying sediment. Clasts are mostly sedimentary siltstones.</p> <p><b>General Description:</b> Few shell fragments occur in Section 1, 25-30 cm. In Section CC the core is slightly coarser-grained and shows a few horizontal laminae of finer silt in Interval 27-28 cm. The entire core is highly brecciated but some larger coherent pieces occur in Section 2, 40-64 cm and 84-95 cm. Several isolated pebbles of siltstones and one metavolcanic clast are present in the upper part of the core catcher. Core contains dark seams.</p>



SITE 860 HOLE B CORE 47X

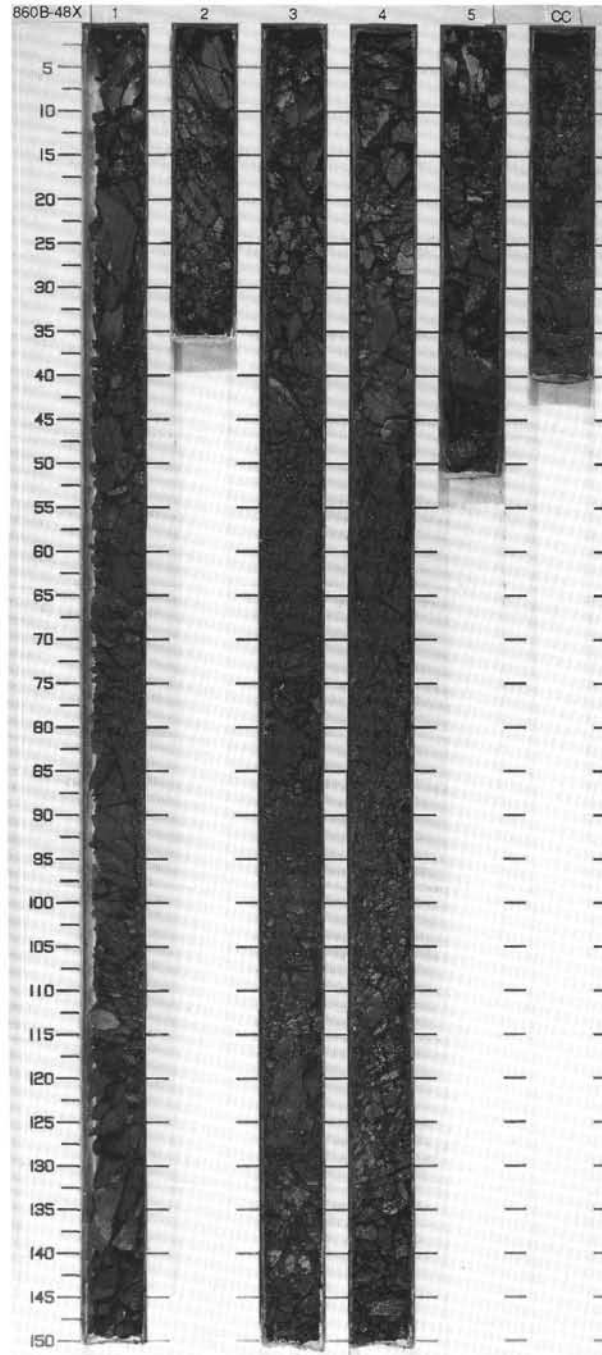
CORED 396.3 - 406.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		CC	↑			S S S M S	5Y 3/2	<p>CLAYEY SILTSTONE</p> <p>Major Lithology: Core consists of olive gray (5Y 3/2), structureless CLAYEY SILTSTONE drilling breccia (0-20 cm), underlain by laminated olive gray (5Y 3/2) CLAYEY SILTSTONE.</p> <p>Minor Lithology: Interlaminae of olive black (5Y 2/1) SILTY CLAYSTONE with organic matter occur from 20-59 cm.</p> <p>General Description: Organic-rich laminations range from &lt;1 mm to 1.5 mm in thickness, whereas clayey siltstone laminations range from 2-8 mm. Lamintations may be an artifact of drilling.</p>
			Pliocene					





Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Hatched pattern]	1	Pliocene	◇ ◇		S	5GY 4/1	CLAYEY SILTSTONE TO SILTY CLAYSTONE  Major Lithology: The core consists of dark greenish gray (5GY 4/1) CLAYEY SILTSTONE to SILTY CLAYSTONE.  Minor Lithologies: Interval 7-9 cm in Section 1 consists of silty clay-bed with few, isolated siltstone and claystone clasts. Isolated shell fragments and some sedimentary siltstone clasts are present in Section 1, 24-25 cm. One bed of greenish black (2G 2/1) clayey siltstone with a small proportion of sand and some granule-sized lithic fragments occurs in Section 1, 75-80 cm. The lower contact is sharp. In Interval 115-117 cm of Section 1 there is matrix-supported CONGLOMERATE present. The matrix is sand-rich and clasts range from small pebbles of conglomerate to siltstones. Some greenish, possibly volcanigenic, fragments also occur. One greenish black (5G 2/1) silty claystone layer is present in Section 3, 109-116 cm.  General Description: The core contains olive gray (5Y 3/2), micritic carbonate as concretions in Section 4, 43-50 cm and 69-71 cm and in Section 5, 8-11 cm. The core catcher preserves some fine laminae. Core contains dark seams.
1.0						S		
						I W		
						S		
						S		
		2						
		3						
		4		◎ ◎				
		5		◎		S		
		CC			X	M		



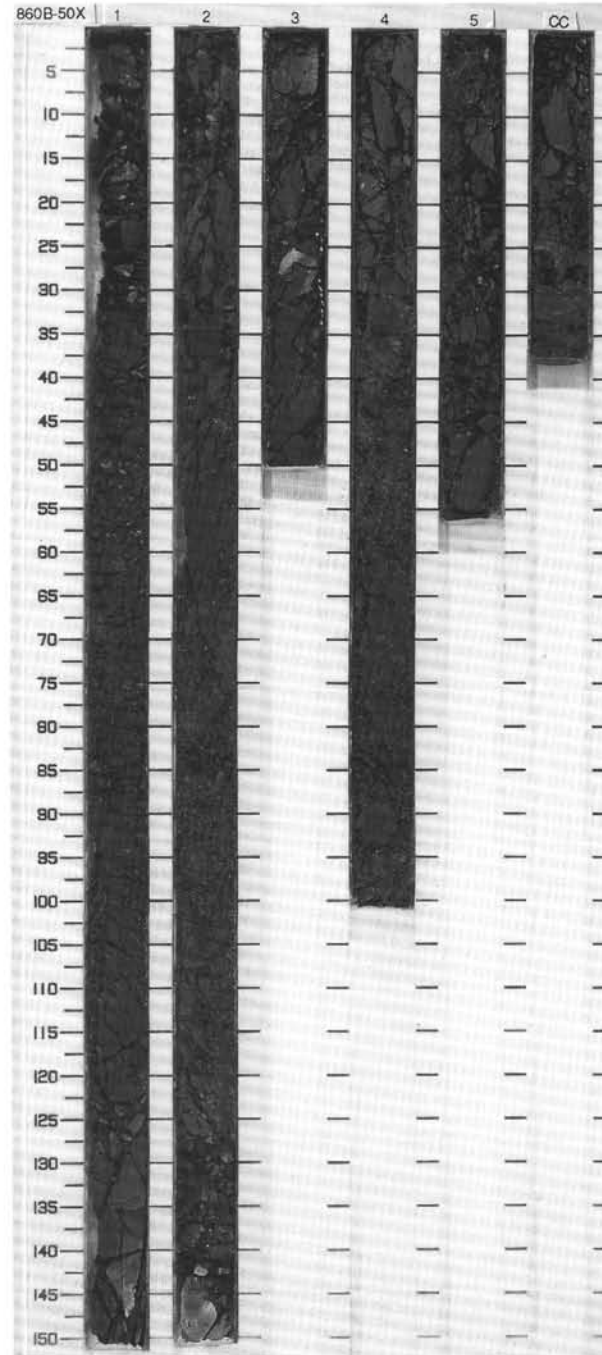
SITE 860 HOLE B CORE 49X

CORED 415.7 - 425.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0		1 CC	Pliocene	(P)    (P)	XX SS SS SS	S S M	5Y 3/2	<p>SILTY CLAYSTONE and CLAYEY SILTSTONE</p> <p>Major Lithologies: The core consists of olive gray (5Y 3/2) SILTY CLAYSTONE to CLAYEY SILTSTONE. The SILTY CLAYSTONE occurs as structureless drill cuttings in Section 1, 0-50 cm, whereas the CLAYEY SILTSTONE is laminated and occurs in Section 1, 50-79 cm and in Section CC.</p> <p>Minor Lithology: One lamina of NANNOFOSSIL OOZE occurs at Section 1, 70-71 cm. The nannofossils are partially recrystallized to micrite.</p> <p>General Description: Lamination observed in the core may be caused by drilling. Individual laminae are composed of CLAYEY SILTSTONE, with minor compositional variations. Section CC has been severely disrupted during removal from the core catcher. The matrix surrounding drill cuttings in Section 1, 30-50 cm, contains a small percentage of sand.</p>



Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Hatched pattern]	1	Pliocene ?	[Symbol]	[Symbol]	S	5Y 3/2 To N 4	<p>CLAYEY SILTSTONE and SANDY SILTSTONE</p> <p>Major Lithologies: This core consists of olive gray (5Y 3/2) CLAYEY SILTSTONE. The CLAYEY SILTSTONE is indurated by what appears to be calcite cement, and dispersed within the upper part of Section 2 are numerous small (1 to 5 mm) vugs lined with pyrite.</p> <p>Minor Lithology: A thin interval of olive gray (5Y 3/2) to dark greenish gray (5Y 4/1) SANDY SILTSTONE occurs in the core catcher.</p> <p>General Description: The core consists of a nearly continuous sequence of highly fractured rock with no primary bedding preserved. Lithologic boundaries are marked by fine dark seams that terminate and locally offset contacts in both reverse and normal sense. Single dark seams (&lt;1 mm thick) locally form branching or anastomosing sets; both calcite and pyrite occur along seams in places.</p>
1.0						S		
						S		
						S		
						S		
						S		
						S		
						S		
						S		
						S		
	CC							



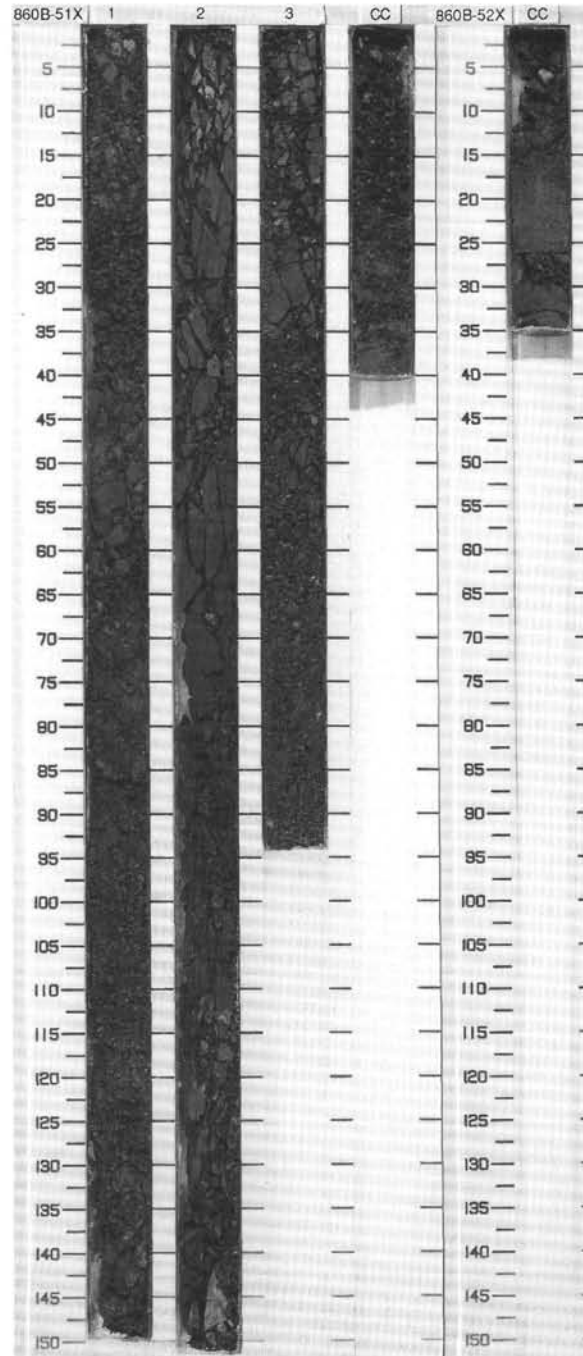
SITE 860 HOLE B CORE 51X CORED 434.8 - 444.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Cross-hatched pattern]	1	Pliocene	[Vertical lines]	[X pattern]	S	5Y 3/2	<p><b>SILTY CLAYSTONE AND CLAYEY SILTSTONE</b></p> <p>Major Lithology: This core consists of olive gray (5Y 3/2), medium dark gray (N4), and olive gray to medium dark gray (5Y 3/2 to N4) SILTY CLAYSTONE AND CLAYEY SILTSTONE.</p> <p>General Description: At least 3 sets of thin dark seams (most &lt;0.1 mm) form a network across which primary bedding has been offset in a variety of senses and directions. On a gross scale the bedding (as inferred from changes in color, composition, and fracture style) varies from 50 to 100 cm in thickness. However, lithologic boundaries are not primary but are sliced off and lined with fine-grained dark seams and anastomosing sets of seams up to 0.3 cm thick. Drilling and sawing disturbance is considerable throughout the core.</p>
1.0						S	N 4	
						S S	5Y 3/2	
						S	N 4	
						S	5Y 3/2	
						S	N 4	
						S MS	5Y 3/2	

SITE 860 HOLE B CORE 52X CORED 444.4 - 449.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.2	[Cross-hatched pattern]	CC		[Horizontal lines]	[X pattern]	S S M	5Y 3/2	<p><b>CLAYEY SILTSTONE and SILTY CLAYSTONE</b></p> <p>Major Lithologies: The core consists of olive green (5Y 3/2) CLAYEY SILTSTONE to SILTY CLAYSTONE.</p> <p>General Description: The upper 18 cm of the core consists of gravel (probably derived from unconsolidated gravel units higher in the section) and drilling breccia. Laminations present in the lower section of the core may have been artificially produced during drilling.</p>

Pliocene



SITE 860 HOLE B CORE 53X

CORED 449.1 - 453.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0		1 2 CC	Pliocene		VVVVVV VVVVVV XXXXXX	S S S I W S S M	5Y 3/2	<p>SILTY CLAYSTONE and CLAYEY SILTSTONE</p> <p>Major Lithologies: The core consists of olive gray (5Y 3/2) SILTY CLAYSTONE to CLAYEY SILTSTONE.</p> <p>Minor Lithology: One interval of olive gray (5Y 3/2) SANDY SILTY CLAYSTONE occurs in Section 2, 19-32 cm.</p> <p>General Description: Much of the core lacks coherent structures, but a number of dark seams are scattered throughout. More coherent features are restricted to the interval from about 100 to 110 cm in Section 2. Within this interval there is a possible bedding plane at 109 cm which has been structurally modified/overprinted.</p>

SITE 860 HOLE B CORE 54X

CORED 453.7 - 463.8 mbsf

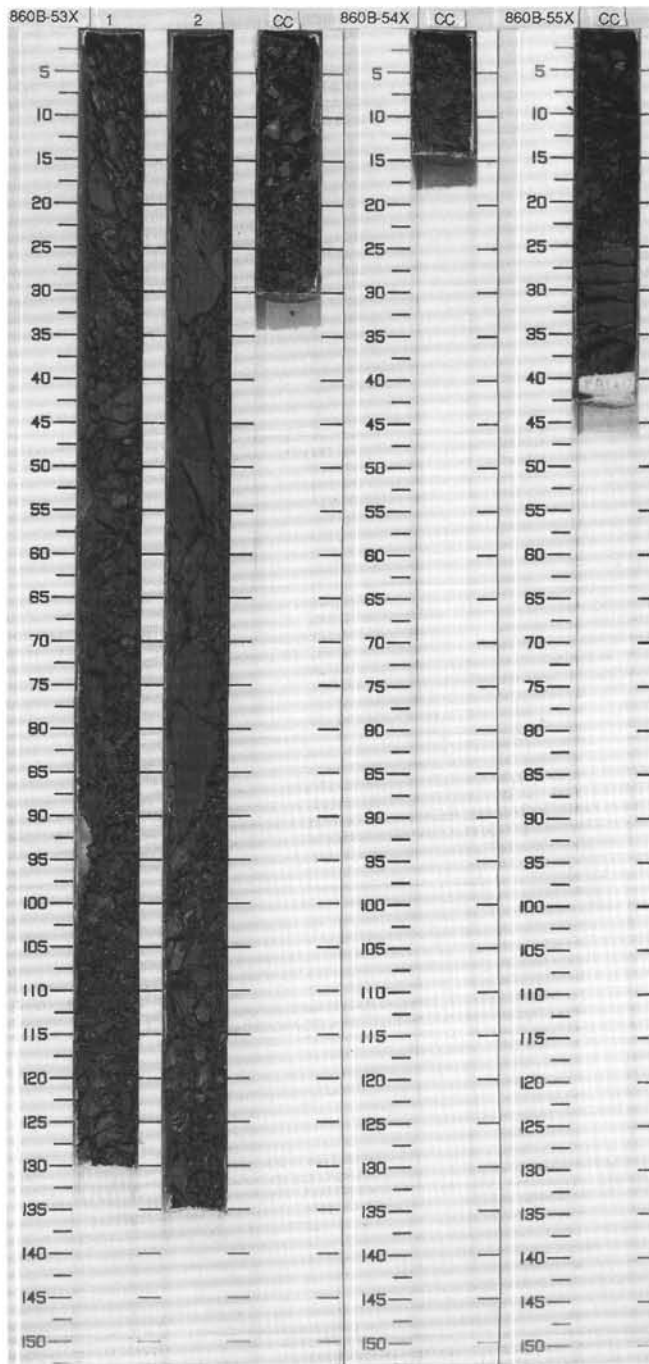
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.1		CC	Pliocene		XXXXXX	M	5Y 3/2	<p>SILTY CLAYSTONE and CLAYEY SILTSTONE</p> <p>Major Lithologies: Core consists of olive gray (5Y 3/2) drilling breccia of SILTY CLAYSTONE and CLAYEY SILTSTONE.</p>

Note expanded vertical scale.

SITE 860 HOLE B CORE 55X

CORED 463.8 - 473.4 mbsf


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.2		CC	Pliocene ?		XXXXXX	S S M	5Y 3/2	<p>SILTY CLAYSTONE</p> <p>Major Lithology: The core consists of (5Y 3/2) to olive black (5Y 2/1) SILTY CLAYSTONE.</p> <p>General Description: Lamination present from 25-40 cm is probably a function of drilling disturbance.</p>



SITE 860


## SITE 860 HOLE B CORE 56X

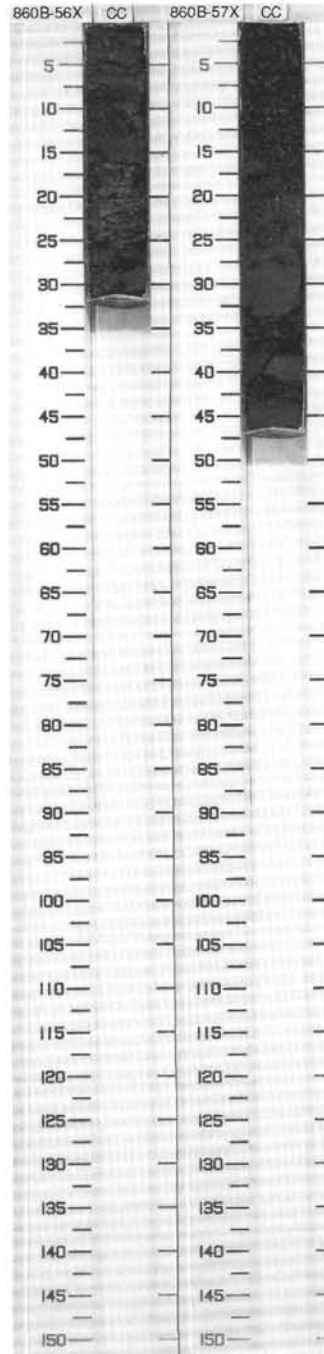
CORED 473.4 - 483.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.2		CC			X	S	5Y 2/1	SILTY CLAYSTONE
			Pliocene					<p>Major Lithology: The core consists of fragments of olive black (5Y 2/1) SILTY CLAYSTONE.</p> <p>Minor Lithology: One olive gray (5Y 4/1) zone at 22-23 cm, consists of impure CHALK.</p> <p>General Description: Core consists of drilling breccia and more coherent material deformed during extrusion from the core catcher.</p>

## SITE 860 HOLE B CORE 57X

CORED 483.1 - 492.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.2		CC			X	S	5Y 3/2	SILTY CLAYSTONE
			Pliocene ?					<p>Major Lithology: The core consists of olive gray (5Y 3/2) SILTY CLAYSTONE.</p> <p>General Description: Some drilling fragments of SILTY CLAYSTONE contain dark concentrations of organic matter (?). Laminations present in the lower portion of the core were probably produced during drilling.</p>





SITE 860 HOLE B CORE 58X

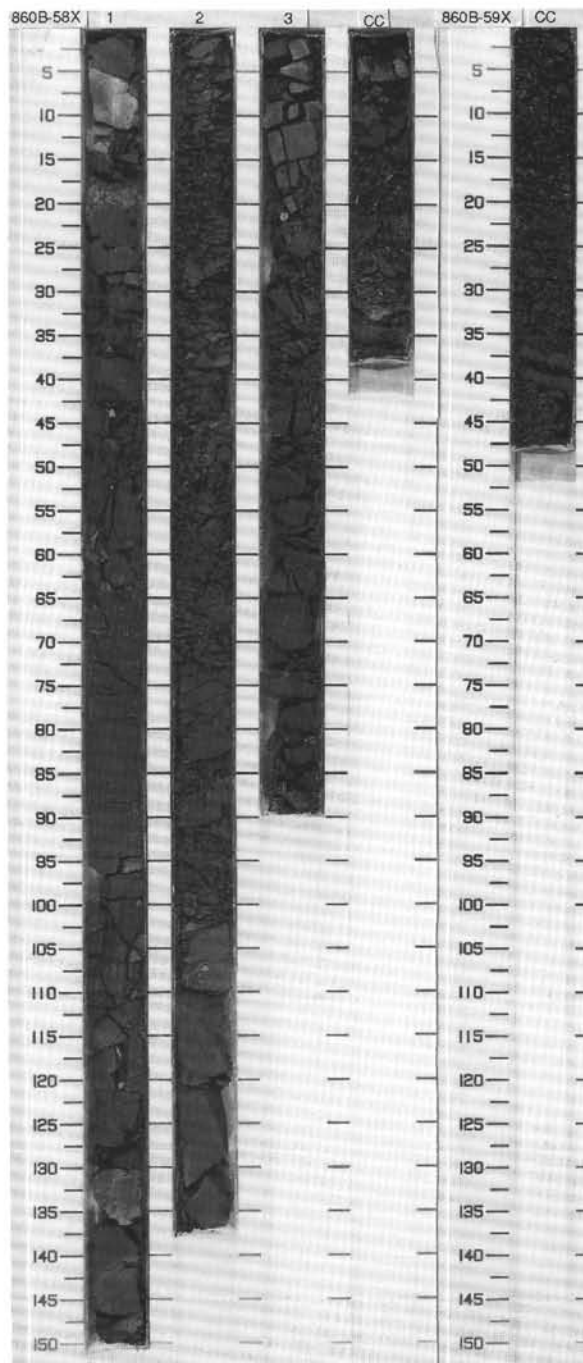
CORED 492.8 - 502.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		1	upper Pliocene	↑ F ⋮ ~		S	5Y 3/2 To 5Y 4/1	SANDY SILTY CLAYSTONE TO SILTY CLAYSTONE  Major Lithology: The core consists of olive gray (5Y 3/2 and 5Y 4/1), poorly sorted SANDY SILTY CLAYSTONE and SILTY CLAYSTONE.  General Description: The core shows four 80-150 cm thick fining upward sequences. In Section 1 the lower 5 cm of one distinct sequence is inverse graded and there occurs a gradual change from sandy silty claystone to silty claystone in the interval 65 to 70 cm. Towards the base of each fining upward sequence there are clast concentrations, isolated lithic clasts and some shell fragments and the sediments have a matrix-supported texture. The clasts consist of calcareous sedimentary fragments, pyrite concretions, and blackish volcanic clasts containing pyrite. Maximum clast size is 1.8 cm. These sediments contain a minor proportion (up to 10%) of micritic carbonate. Dark seams are found throughout the core.
1.0						S		
						S		
						S		
						S		
						S		
						S		
						S		
						S		
						S		
		2		↑ F ~		S		
		3		↑ F ~		I S S	W	
		CC		↑ F ~	⊥	M		

SITE 860 HOLE B CORE 59X

CORED 502.4 - 512.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5		CC	↑		XXX	S	5Y 2/1	SILTY CLAYSTONE  Major Lithology: The core consists of fragments of olive black (5Y 2/1) SILTY CLAYSTONE.
0.7						M		
								Pliocene ?

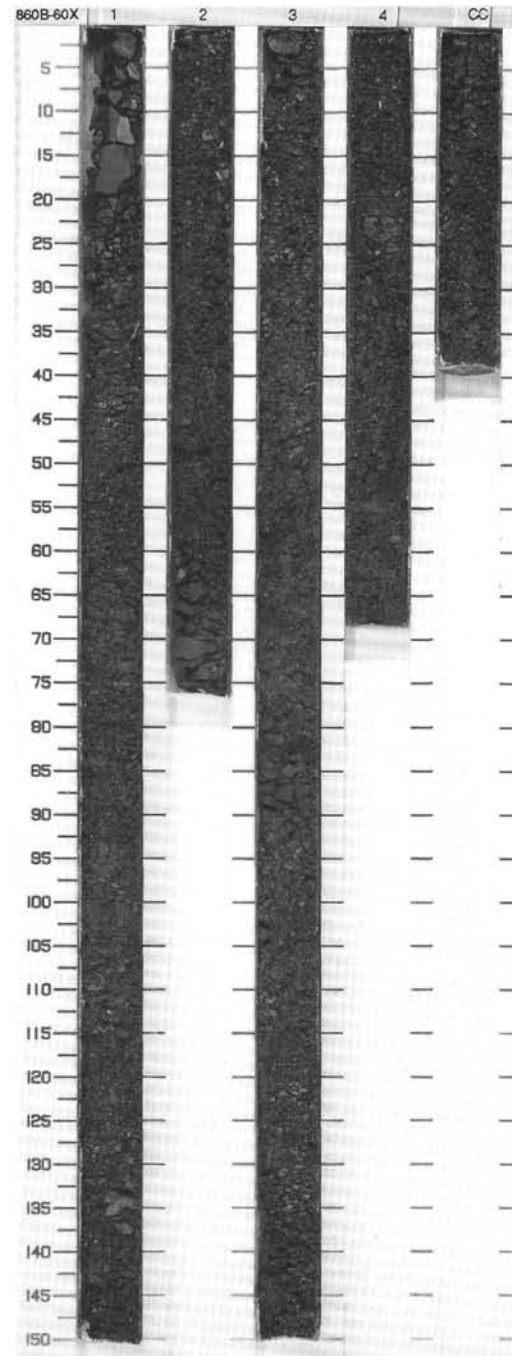




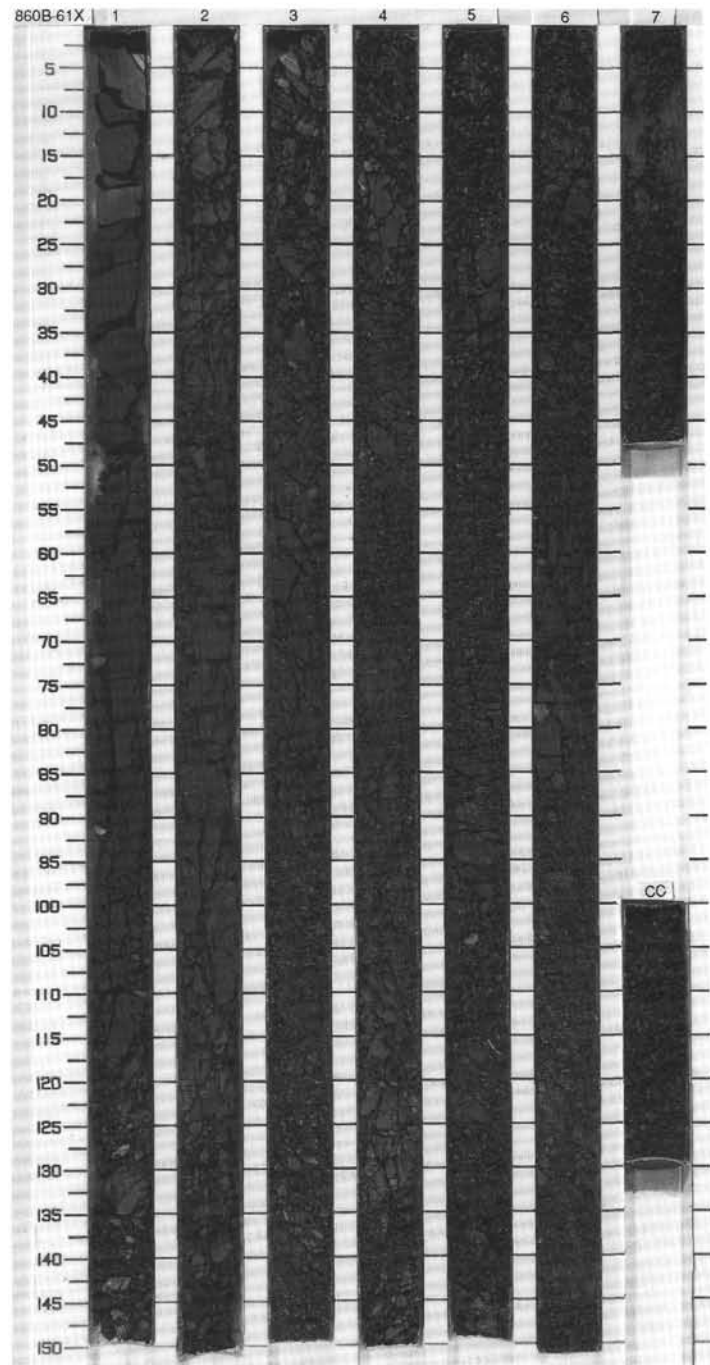
## SITE 860 HOLE B CORE 60X

CORED 512.0 - 521.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Hatched pattern]	1	Pliocene	}	[Wavy line]	S	5Y 3/2	<p><b>SILTY CLAYSTONE</b></p> <p>Major Lithology: The core consists of massive, olive gray (5Y 3/2) SILTY CLAYSTONE.</p> <p>Minor Lithology: Lighter, olive gray (5Y 4/1) zones (Section 1, 134-135, cm; Section 2, 66-73 cm) consist of impure NANNOFOSSIL CHALK; these zones are mottled, possibly due to bioturbation.</p> <p>General Description: Dark seams are found dispersed at intervals throughout the core.</p>
1.0						S		
						WS I		
						S		
		2		}	[X pattern]			
		3			[Wavy line]			
		4			[Wavy line]			
		CC			[X pattern]			
					[X pattern]	M		



Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Cross-hatched lithology pattern]	1	Pliocene			S		<p>CLAYEY SILTSTONE TO SILTY CLAYSTONE</p> <p>Major Lithology: This core consists of structureless olive gray (5Y 3/2) CLAYEY SILTSTONE TO SILTY CLAYSTONE.</p> <p>Minor Lithology: In Section 2 at 30 cm there is a small area of grayish olive green (5GY 3/2) NANNOFOSSIL CHALK.</p> <p>General Description: No primary bedding surfaces are preserved, but variations of fracture style, likely representing variations in clay and very minor sand content, suggest a 20 to 200 cm bedding character. Lithologic boundaries between contrasts in color, texture, and composition are lined with dark seams. At least 3 sets of dark seams offset or terminate lithologies. Younger seams offset older sets. The sequence within the core is continuous, but seams are difficult to observe because of fracturing.</p>
1.0						S		
						S		
						S		
						S		
						S		
						S		
		2				S		
		3				S		
		4			X X X X X	S	5Y 3/2	
		5			X X X X X	S		
		6			X X X X X	S		
		7			X X X X X	S		
		CC			X X X X X			

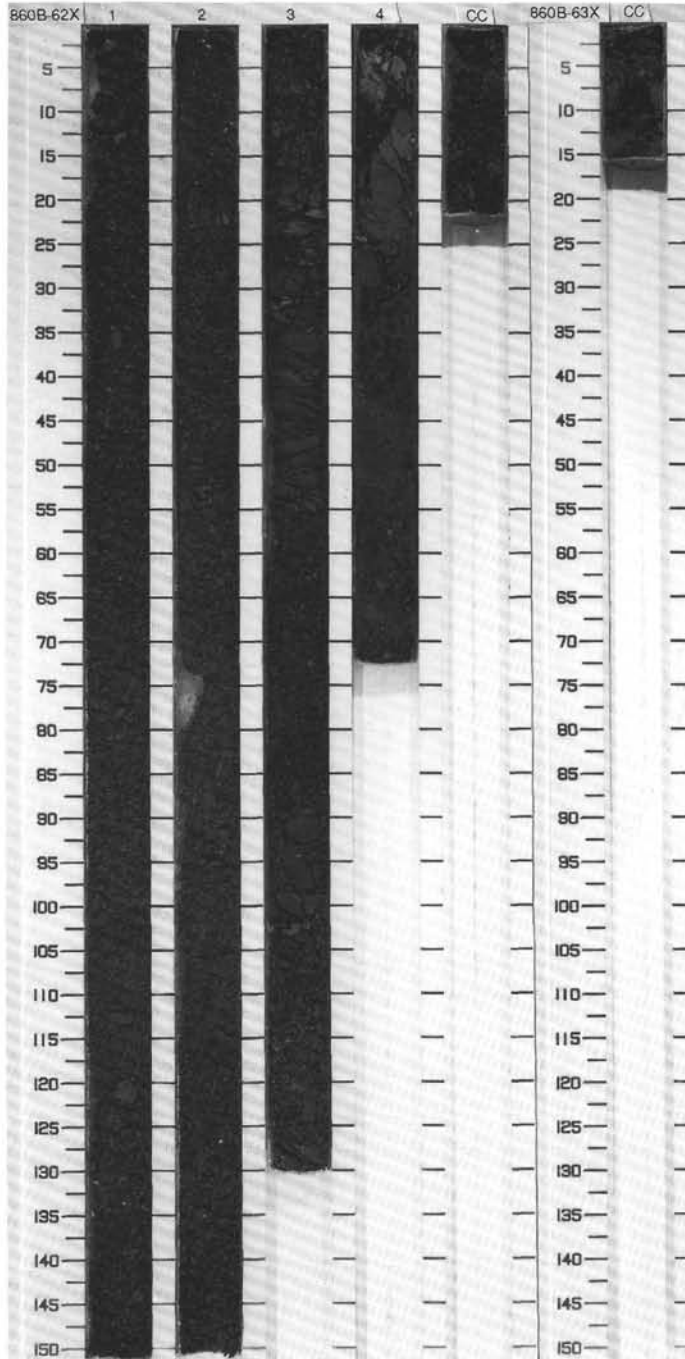


SITE 860 HOLE B CORE 62X CORED 530.9 - 540.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Cross-hatched lithological symbol]	1	Pliocene ?	P	[Disturbance symbol: X's]	S	5Y 3/2	CLAYEY SILTSTONE
1.0						S		Major Lithology: This core consists of greenish black (5GY 2/1) CLAYEY SILTSTONE. No bedding is visible.
						S	5GY 2/1	General Description: The core is highly disrupted by drilling. However small intervals of highly fractured, but oriented fragments indicate that the in-situ formation has been broken up on a fine scale. At least two sets of dark seams and microfaults are preserved throughout the core but are difficult to see if not on a smooth sawed surface. Most microfaults are reverse sense.
						S		
		3			[Disturbance symbol: V's]	S		
		4			[Disturbance symbol: I's]	I	W	
		CC			[Disturbance symbol: M's]	M		

SITE 860 HOLE B CORE 63X CORED 540.5 - 550.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.1		CC				MS		General Description: This core consists of an upper crushed zone of conglomerate seen higher in the hole, and a lower clay-size drilling slurry.
			Pliocene					



SITE 860 HOLE B CORE 64X

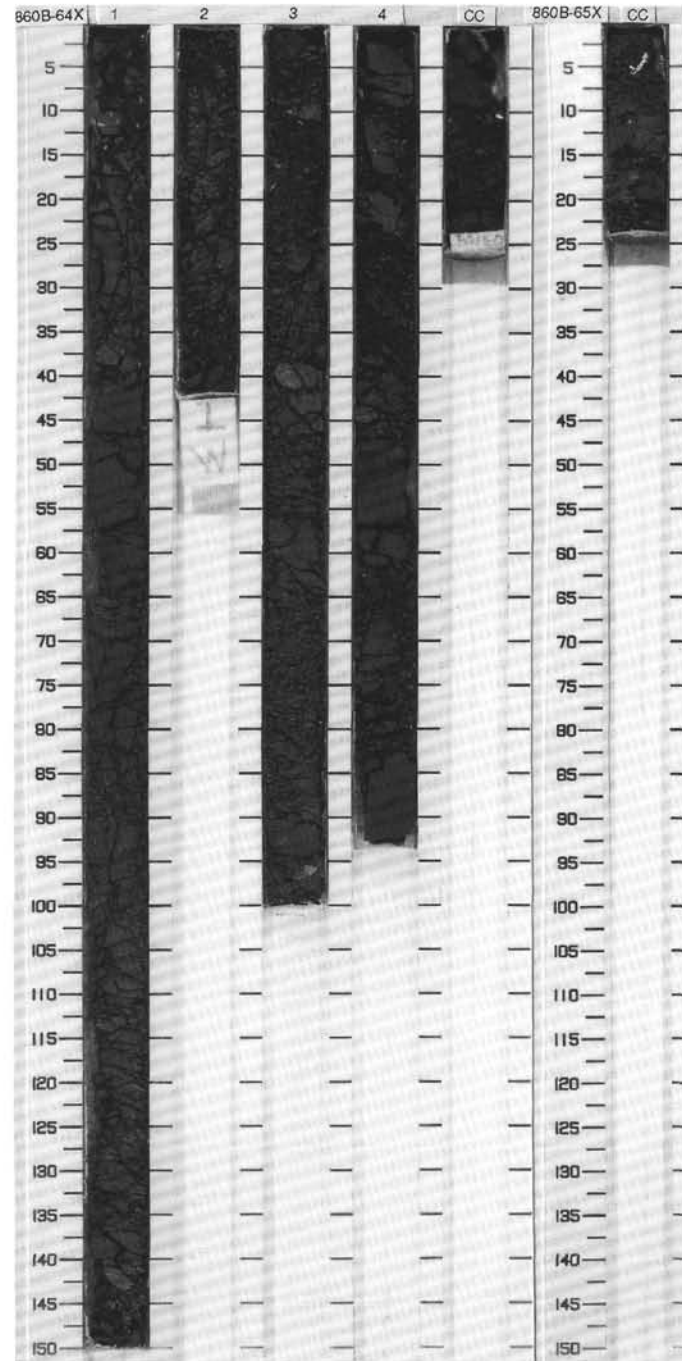
CORED 550.2 - 559.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Graphic Lithology: Sandstone/Siltstone pattern]	1	Pliocene ?			S	5Y 3/2	<p>SANDY SILTY CLAYSTONE and SILTY CLAYSTONE</p> <p>Major Lithologies: The core consists of olive gray (5Y 3/2), massive, poorly sorted SANDY SILTY CLAYSTONE and SILTY CLAYSTONE.</p> <p>General Description: Sandy silty claystone contains coarse sand-sized and granule-sized clasts of siltstone, calcareous sandstone and siltstone, greenish shale, pyrite concretions and organic fragments in Section 4, 50-63 cm. A probable contact between different depositional sequences is located between intervals 55 to 65 cm in Section 4. This zone is fractured and sheared. Shell fragments are present in Section 4, 74-76 cm. Sediments contain a small proportion (&lt;10%) of micritic carbonate. Dark seams are present throughout the core.</p>
1.0		2				I S		
		3				S		
		4				S S		
		CC			X	M		

SITE 860 HOLE B CORE 65X

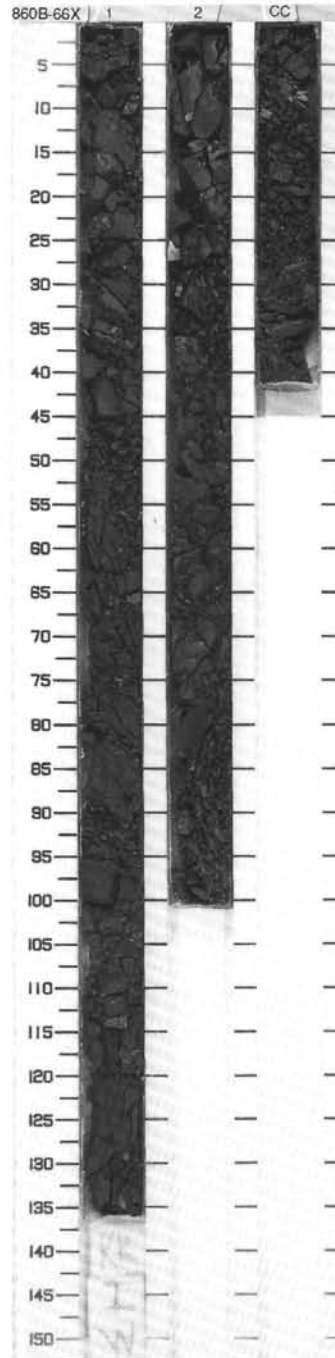
CORED 559.9 - 569.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.2	[Graphic Lithology: Silty claystone pattern]	CC			X		5Y 3/2	<p>SILTY CLAYSTONE and CLAYEY SILTSTONE</p> <p>Major Lithologies: Core consists of olive gray (5Y 3/2) fragments of SILTY CLAYSTONE and CLAYEY SILTSTONE.</p>
			lower Pliocene					



SITE 860 HOLE B CORE 66X CORED 569.5 - 579.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5	[Cross-hatched pattern]	1	lower Pliocene	P	[Wavy lines]	S	5Y 3/2	SILTY CLAYSTONE and CLAYSTONE  Major Lithologies: The core consists of olive gray (5Y 3/2) SILTY CLAYSTONE and CLAYSTONE.  General Description: The core has no sedimentary structures. Changes in lithology are subtle, and not marked by variations in color. Dispersed coarse sand grains occur in one isolated zone at Section 1, 98 cm. Fine pyrite is disseminated throughout the core. Concretions at Section 2, 80-93 cm, consist of pyrite, chlorite (?), and quartz (?). The core contains slickenlines and dark seams.
1.0								
		2		P	[Wavy lines]	W <sub>1</sub> S		
		CC		P	[X pattern]	M		



SITE 860 HOLE B CORE 67X

CORED 579.2 - 588.8 mbsf

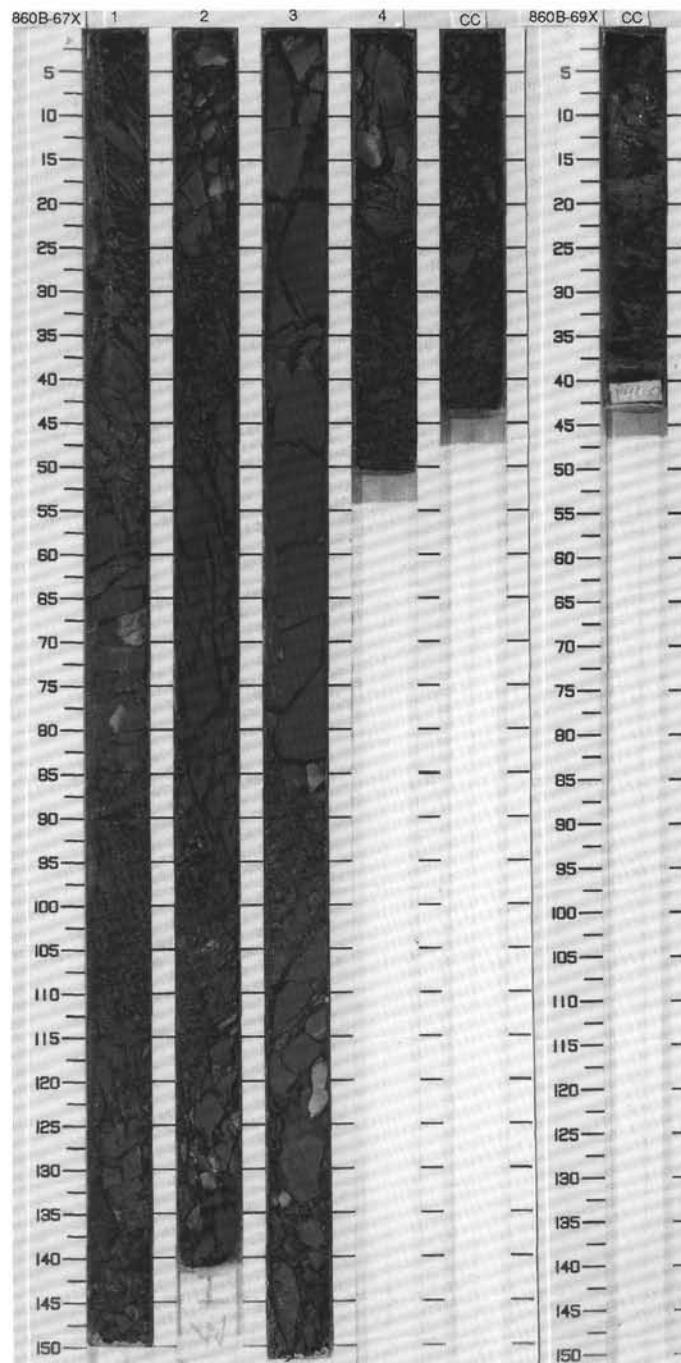
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.5 1.0	[diagonal lines]	1	Pliocene ?	[P]	[V]	S	5Y 3/2	SILTY CLAYSTONE  Major Lithology: The core consists of olive gray (5Y 3/2) SILTY CLAYSTONE.  Minor Lithology: Two intervals of olive black (5Y 3/2) MICACEOUS SILTY CLAYSTONE occur at Section 1, 20-35 cm, and Section 4, 20-50 cm.  General Description: Overall the core is massive, with a few isolated stringers/concentrations of foraminifers, coarse sand, and granules in Section 3, 0-42 cm. The MICACEOUS SILTY CLAYSTONE occurs beneath sharp contacts which are probably fault related. The core contains dark seams and slickenlines.
	[diagonal lines]	2		[P]	[V]	S		
	[diagonal lines]	3		[P]	[V]	S		
	[diagonal lines]	4		[P]	[V]	S		
	[diagonal lines]	CC				M		

860B-68X NO RECOVERY

SITE 860 HOLE B CORE 69X


CORED 598.4 - 608.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.2 0.4	[diagonal lines]	CC			[X]	S M	N3 and 5Y 3/2	SILTY CLAYSTONE and CLAYEY SILTSTONE  Major Lithologies: The core consists of dark gray (N3) CLAYEY SILTSTONE and olive gray (5Y 3/2) SILTY CLAYSTONE.  General Description: The core consists of drilling breccia and sediments disturbed by extrusion from the core catcher.
			↑ lower Pliocene					



SITE 860 HOLE B CORE 70X

CORED 608.2 - 617.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0.2		CC			X	MS	5Y 3/2	CLAYSTONE  Major Lithology: The core consists of fragments of olive gray (5Y 3/2) CLAYSTONE, intermixed with gravel displaced down hole from previously cored sections.

