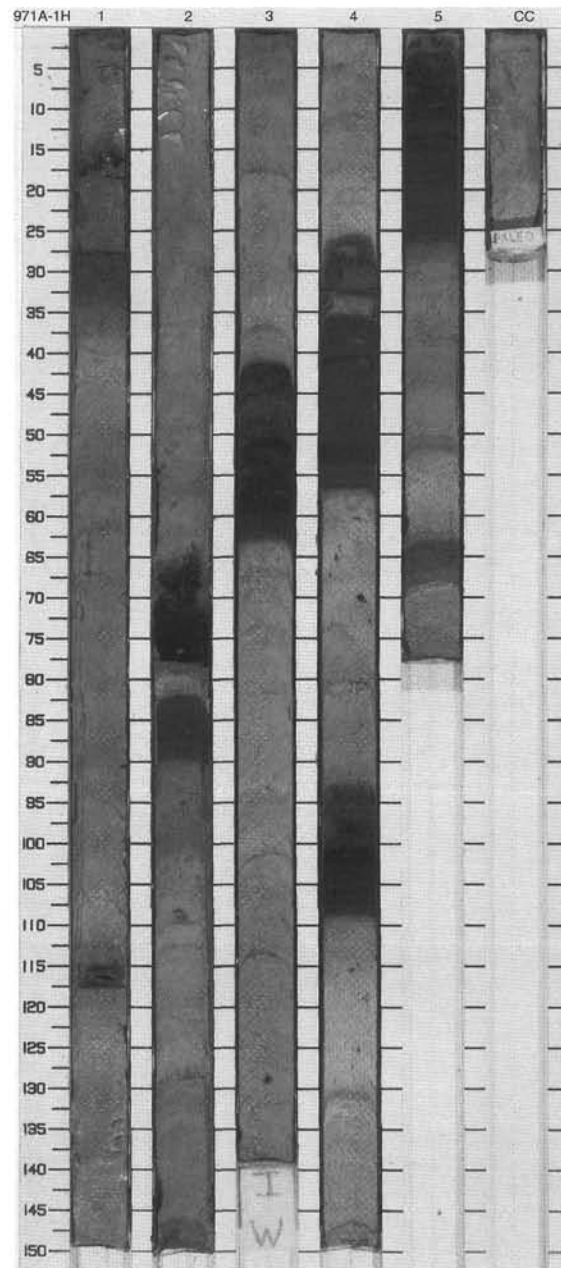


CORED 0.0 - 7.0 mbsf

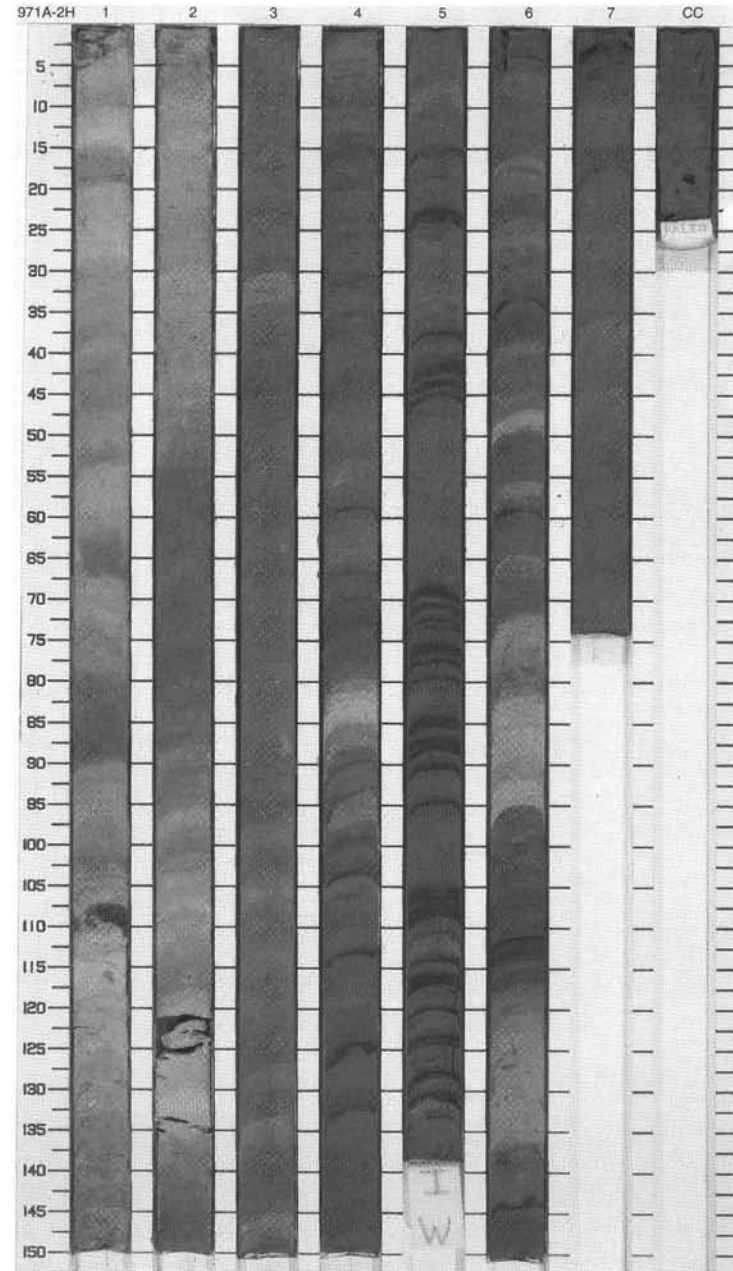
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pleistocene	}}		S	NANNOFOSSIL OOZE and NANNOFOSSIL CLAY	Major Lithologies: The sediment in this core is NANNOFOSSIL OOZE and NANNOFOSSIL CLAY color banded at decimeter to meter scale through a range of browns and grays (10YR 7/4 to 5Y5/1).  Minor Lithologies: Seven SAPROPELS occur in the core. These range in thickness from 5 to 25 cm, and are generally bioturbated, and have sharp contacts. Three ASH beds occur at Section 1, 105 cm, Section 2, 60 cm, and Section 4, 25 cm.
2		}}		P				
3		}}		A				
4		}}		P				
5		}}		A				
6		}}		P				
7		}}		A				
8		}}		P				
9		}}		A				
10		}}		P				
11		}}		A				
12		}}		P				
13		}}		A				
14		}}		P				
15		}}		A				
16		CC				M		



## SITE 971 HOLE A CORE 2H

CORED 7.0 - 16.5 mbsf

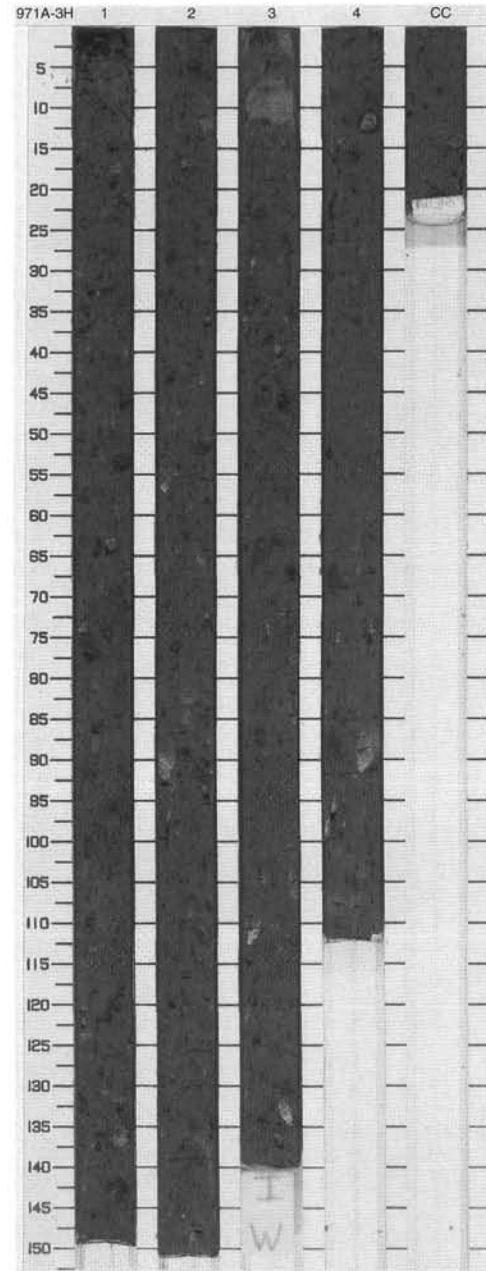
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		}}				NANNOFOSSIL OOZE and NANNOFOSSIL CLAY
2		2		}}				Major Lithologies: The sediment in this core is NANNOFOSSIL OOZE and NANNOFOSSIL CLAY color banded at decimeter to meter scale through a range of browns (5YR 5/4 to 10YR 6/3).
3		3		}}		S		Minor Lithologies: Two SAPROPELS and two OXIDIZED SAPROPELS occur in the core. All are slightly bioturbated, and have reasonably sharp contacts.
4		4	late Pleistocene	}}		S	5YR 5/4 To 10YR 6/3	Numerous thin (mm scale) SILT horizons occur in Sections 4 and 5, intercalated with nannofossil clay at about 5-cm intervals.
5		5		}}		S		General Description: The sediment becomes clay rich in Section 7.
6		6		}}		S		
7		7		}}		S		
8		8		}}		S		
9		9		}}		S		
10		10		}}		S		
		CC				M		



SITE 971 HOLE A CORE 3H

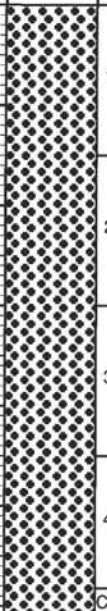
CORED 16.5 - 22.5 mbsf

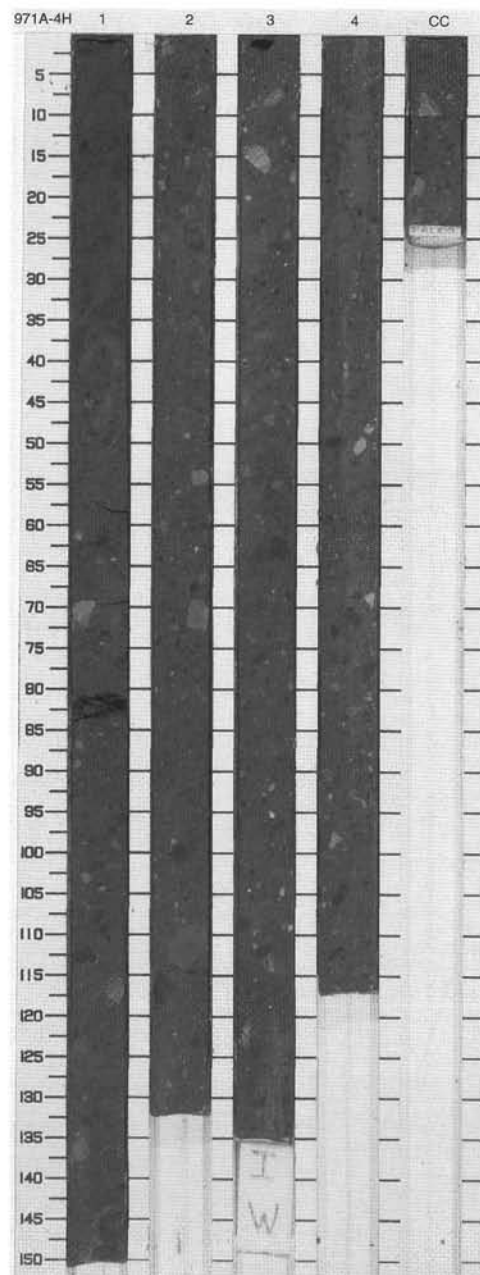
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pleistocene			S	5G 4/1	<p>MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT</p> <p>Major Lithology: The sediment in this core is MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT, comprising a chaotic mixture of greenish gray (5G 4/1) sand, silt, and clay matrix with scattered gravel fragments up to 15 mm. The gravel is generally subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The ratio of clasts to matrix in this material varies from 1:3 at the top of the core to about 1:10 in Section 4.</p>
2		2						
3		3						
4		4				I		
5						M		
		CC						



## SITE 971 HOLE A CORE 4H


CORED 22.5 - 28.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pleistocene			S	5G 4/1	<p>MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT</p> <p>Major Lithology: The sediment in this core is MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT, comprising a chaotic mixture of greenish gray (5G 4/1) sand, silt, and clay matrix with scattered gravel fragments up to 64 mm. The gravel is generally subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio in these materials is 1:3 throughout.</p>
2		2						
3		3						
4		4						
5		5						
6		CC				M		




SITE 971 HOLE A CORE 5X

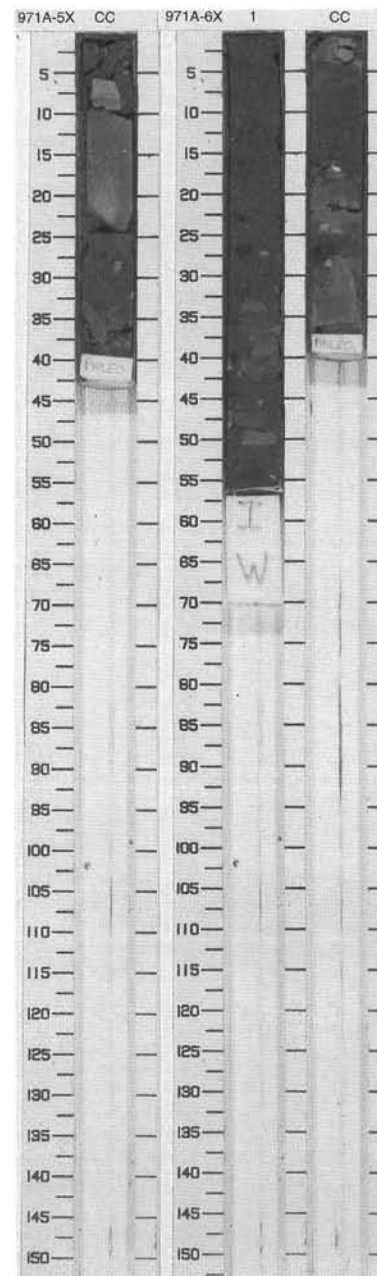
CORED 28.5 - 38.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC	early Pleist.			T M S	5GY 4/1	MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT
<p>Major Lithology: The sediment in this core is MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT, comprising a chaotic mixture of greenish gray (5GY 4/1) sand, silt, and clay matrix with scattered gravel fragments up to 192 mm. The gravel is generally angular to subangular and the composition encompasses a range of sandstones, siltstones, and claystones.</p>								

SITE 971 HOLE A CORE 6X


CORED 38.2 - 47.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1 CC	Pleistocene			I M	5G 4/1	MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT
<p>Major Lithology: The sediment in this core is MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT, comprising a chaotic mixture of greenish gray (5G 4/1) sand, silt, and clay matrix with scattered gravel fragments up to 80 mm. The gravel is generally angular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio in these materials is 1:3.</p>								




## SITE 971 HOLE A CORE 7X

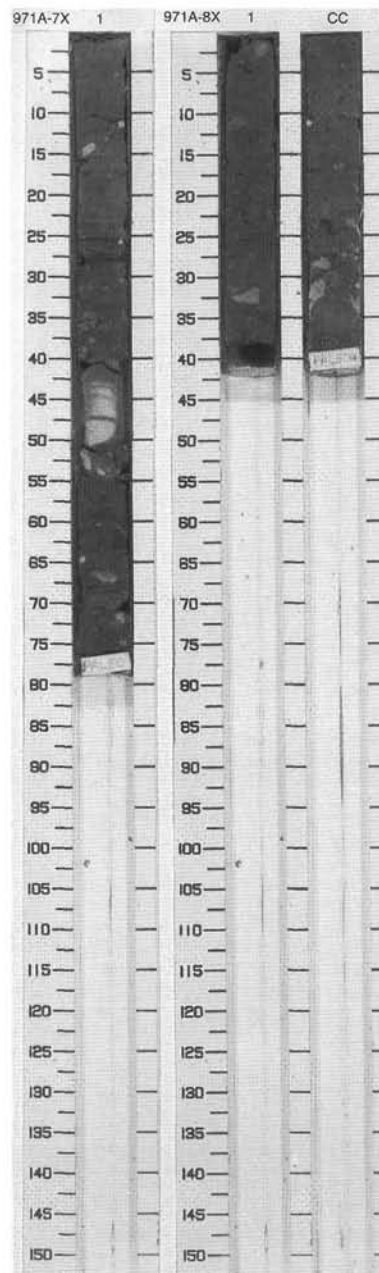
CORED 47.9 - 57.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Pleist.			T M	5GY 4/1	MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT  Major Lithology: The sediment in this core is MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT, comprising a chaotic mixture of greenish gray (5GY 4/1) sand, silt, and clay matrix with scattered gravel fragments up to 105 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.  General Description: The clast to matrix ratio in this material is about 1:1.

## SITE 971 HOLE A CORE 8X


CORED 57.6 - 67.3 mbsf

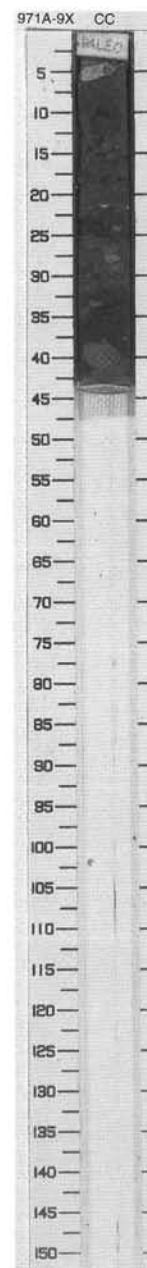
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1 CC	Pleist.			M	5GY 4/1	MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT  Major Lithology: The sediment in this core is MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT, comprising a chaotic mixture of greenish gray (5GY 4/1) sand, silt, and clay matrix with scattered gravel fragments up to 55 mm. The gravel is generally subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.  Minor Lithologies: The clast to matrix ratio in these materials is approximately 1:6.



## SITE 971 HOLE A CORE 9X

CORED 67.3 - 77.0 mbsf

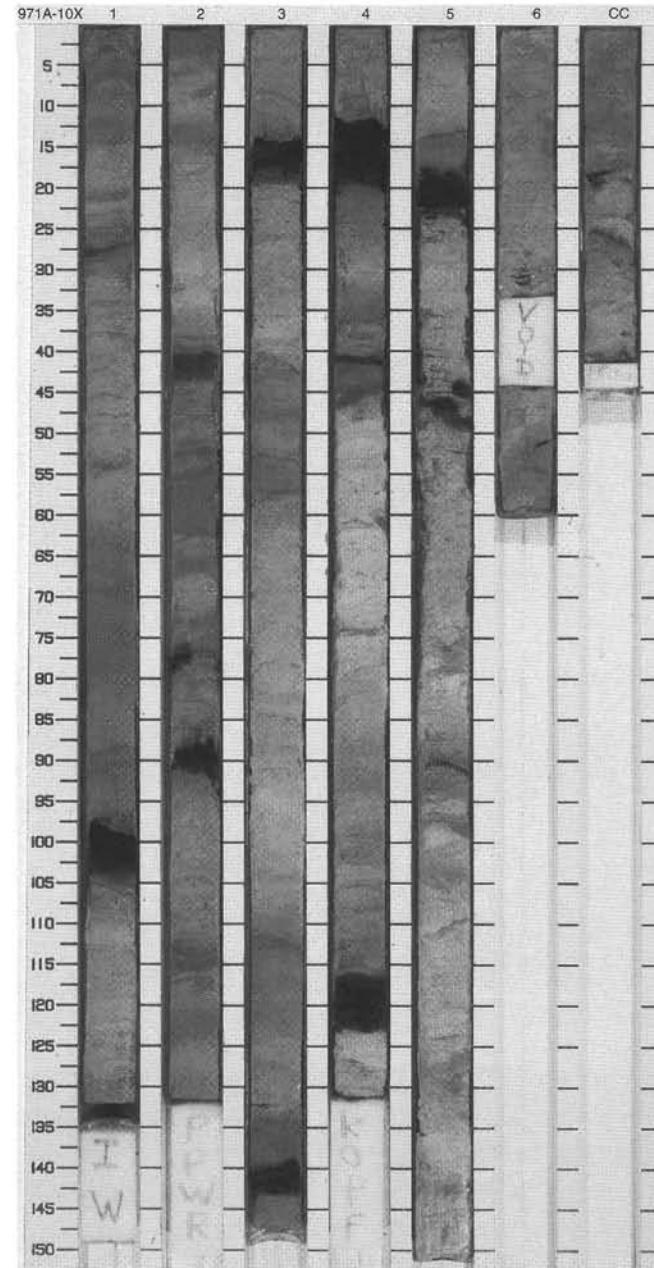
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC	Pleist.			M	5GY 4/1	MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT
<p>Major Lithology: The sediment in this core is MATRIX-SUPPORTED CLAST-RICH DEBRIS FROM DEPOSIT, comprising a chaotic mixture of greenish gray (5GY 4/1) sand, silt, and clay matrix with scattered gravel fragments up to 45 mm. The gravel is angular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio in these materials is about 1:3.</p>								



## SITE 971 HOLE A CORE 10X

CORED 77.0 - 86.7 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1	}		I		NANNOFOSSIL OOZE
2		2	}				Major Lithology: The sediment in this core is light brownish gray (2.5Y 6/2) to gray (N6) NANNOFOSSIL OOZE.
3			}				Minor Lithologies: Nine black (5Y 2.5/1) to dark olive gray (5Y 3/2) SAPROPELS ranging in thickness from 3 to 8 cm occur in this core. These layers generally have sharp tops and bases and are massive. Some grade to lighter colors toward their base.
4		3	}			2.5Y 6/2 To N6	General Description: The sediment in this core is color banded on a centimeter to decimeter scale and displays slight to moderate bioturbation throughout.
5		4	}				
6		5	}				
7		6	}			7.5YR 6/4	
8	Void		}			7.5YR N6/0	
	CC		}		M		

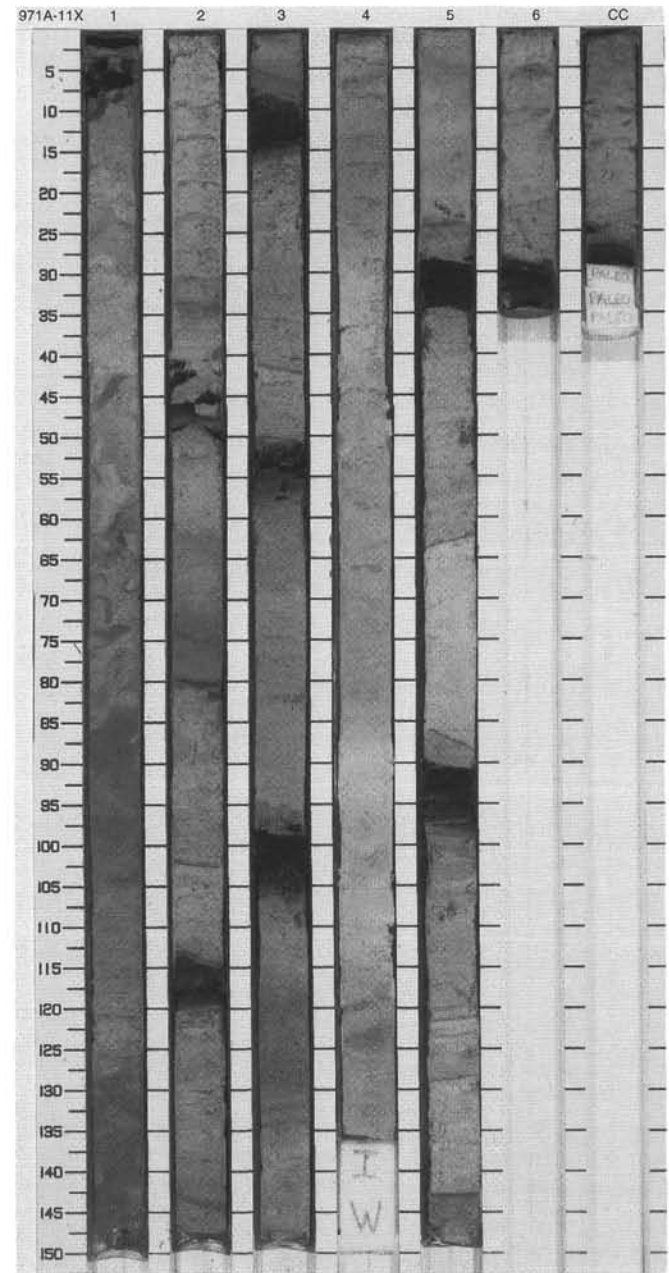




SITE 971 HOLE A CORE 11X

CORED 86.7 - 96.3 mbsf

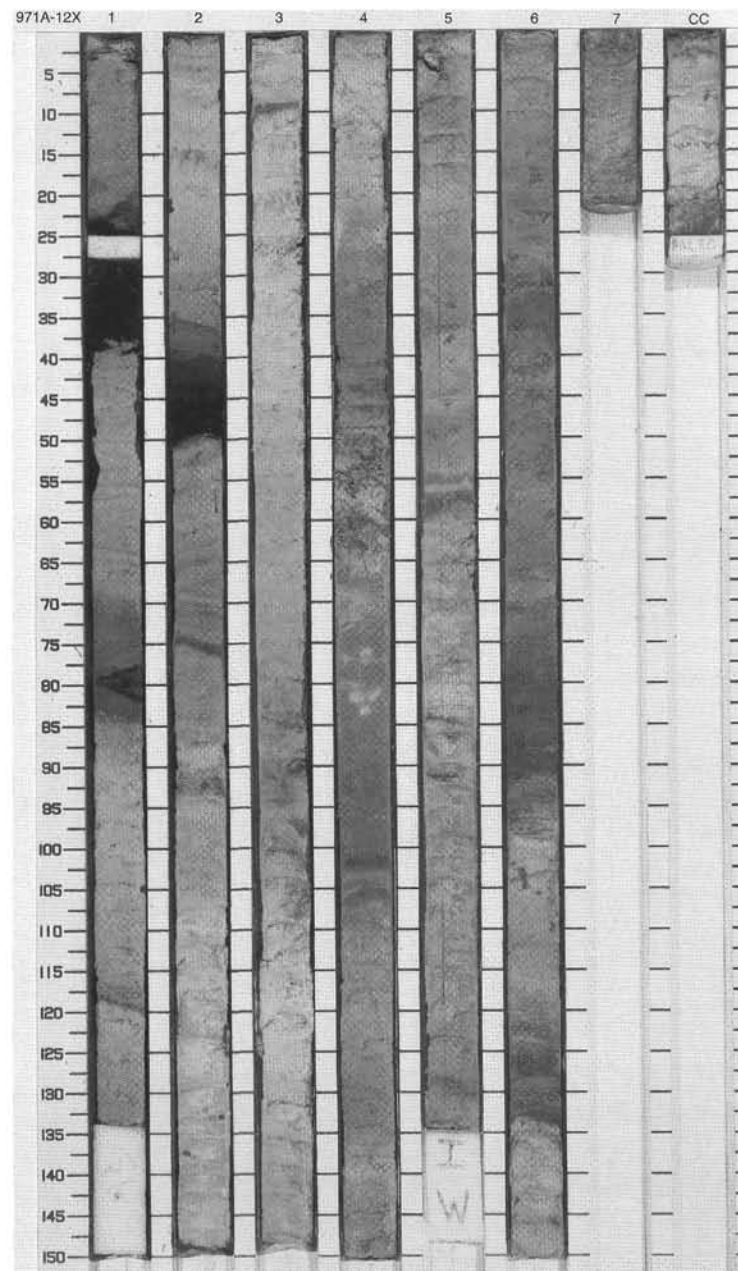
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		}}		S		NANNOFOSSIL OOZE
2		2		}}				Major Lithology: The sediment in this core consists of light gray (5Y 7/1) to light yellowish brown (10YR 6/4) NANNOFOSSIL OOZE.
3		3		}}				Minor Lithologies: Eleven very dark gray (5Y 3/1) and black (5Y 2.5/1) SAPROPEL beds occur in this core. The beds vary between 0.5 and 10 cm in thickness, and display sharp color boundaries. Some of the beds contain burrow infills (in the main <i>Chondrites</i> ).
4		4		}}			5Y 7/1 To 10YR 6/4	General Description: The sediment in this core is color banded on a centimeter to decimeter scale, and displays moderate to heavy levels of bioturbation throughout.
5		5		}}				
6		6		}}				
7		7		}}				
8		8		}}				
		CC		}}		M		



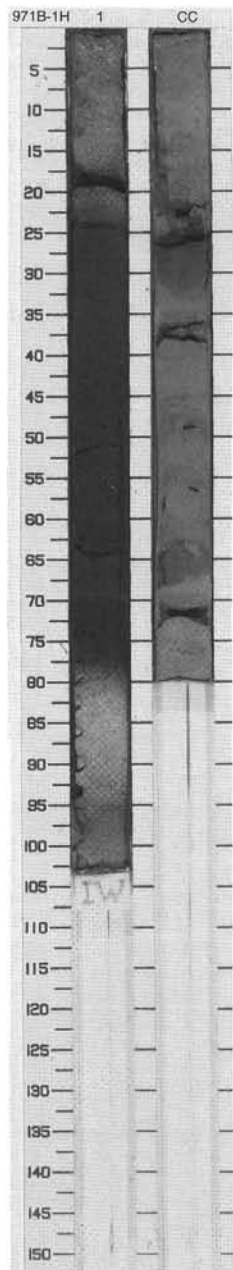
## SITE 971 HOLE A CORE 12X

CORED 96.3 - 105.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		}}				NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL OOZE
2		2		}}				Major Lithologies: The sediment in this core consists of light yellowish brown (10YR 6/4) NANNOFOSSIL OOZE and greenish gray (5GY 5/1) CLAYEY NANNOFOSSIL OOZE.
3		3		}}				Minor Lithologies: Three black (5Y 2.5/1) SAPROPEL beds occur within Sections 1 and 2 of this core. All of the beds display sharp color contacts, two are massive.
4		4		}}		S	5GY 5/1 To 10YR 6/4	General Description: The sediment in this core is color banded at a centimeter to decimeter scale, and displays moderate to high levels of bioturbation throughout.
5		5		}}				
6		6		}}		S		
7		7		}}				
8		8		}}		I		
9		9		}}				
		CC				M		



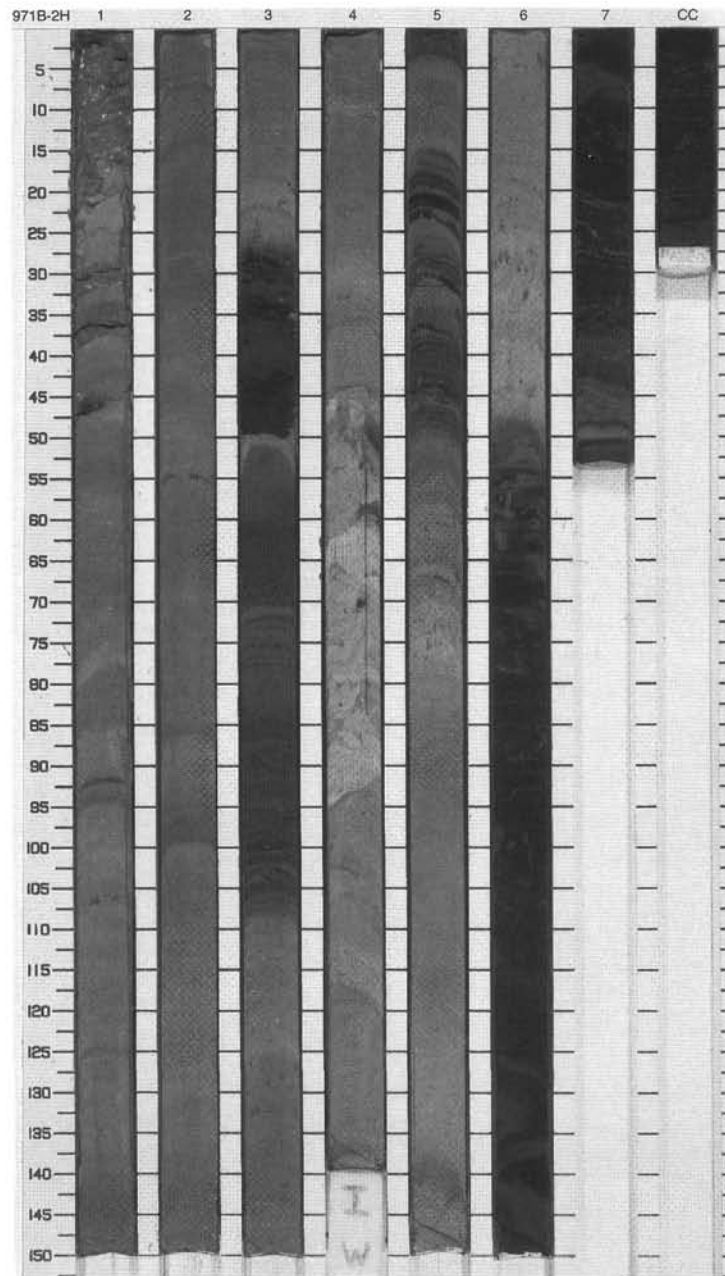
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene	}		S		<p>NANNOFOSSIL OOZE</p> <p>Major Lithology: The sediment in this core is gray to light yellowish brown (5Y 6/1 to 10YR 6/4) NANNOFOSSIL OOZE.</p> <p>Minor Lithologies: A 54-cm-thick SAPROPEL occurs in Section 1, and a 4-cm-thick weathered ASH occurs in the Core Catcher of this core.</p>
				}		S		
2		CC		-A		M		



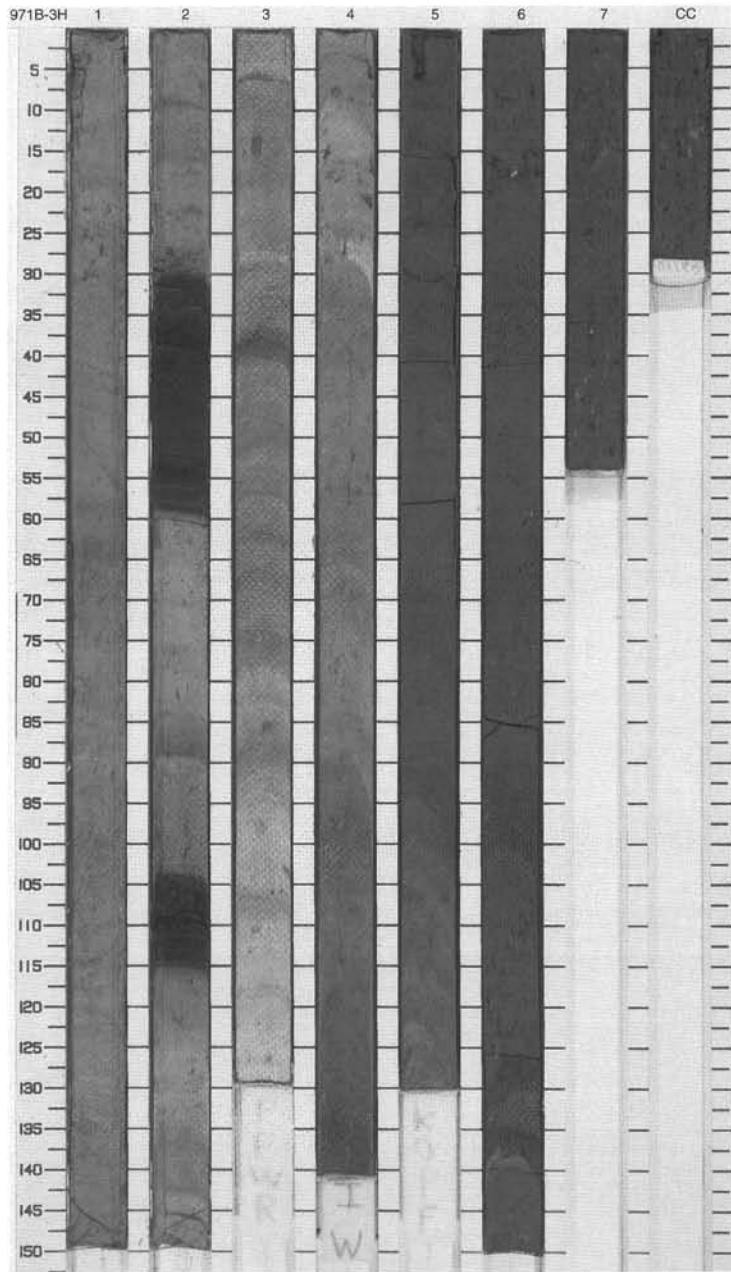
## SITE 971 HOLE B CORE 2H

CORED 2.2 - 11.7 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1	-A				NANNOFOSSIL OOZE and NANNOFOSSIL CLAY
2					S		Major Lithologies: The sediment in this core is very pale brown (10YR 7/4) to pale olive NANNOFOSSIL OOZE and NANNOFOSSIL CLAY.
3		2					Minor Lithologies: Two SAPROPELS (one over 1 m thick) and two ASH beds occur in the core.
4		3	-A				General Description: The core is slightly bioturbated. Numerous pteropod fragments occur throughout and diatoms are abundant in the lower sapropel.
5		4				10YR 7/4 To 5Y 6/4	
6		5			I		
7		6			S		
8		7					
9		8					
10		9			S		
11	10			M			



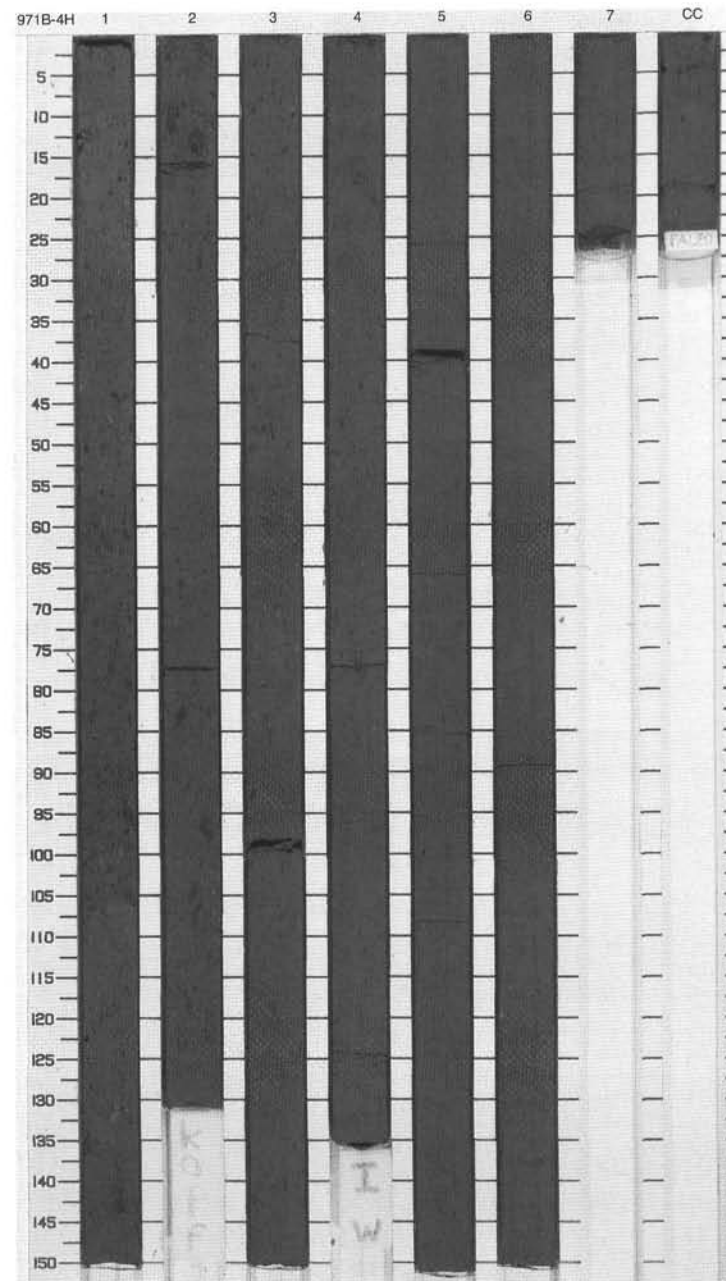
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		}	P			NANNOFOSSIL OOZE, NANNOFOSSIL CLAY, SILTY CLAY, and MUD DEBRIS FROM DEPOSITS
2		2		}	P			Major Lithologies: The sediment in this core consists of two different lithologies, greenish gray (5G 6/1 to 5GY 4/1) NANNOFOSSIL OOZE and NANNOFOSSIL CLAY in Sections 1 to 4, overlying dark greenish gray (5GY 4/1) SILTY CLAY and MUD DEBRIS FROM DEPOSITS in the remainder of the core.
3		3		}	P			Minor Lithologies: Two SAPROPELS occur in Section 2 at 30 and 104 cm. Both have sharp contacts, the upper being laminated at the base, the lower bioturbated toward the top.
4		4		}	P			General Description: The clast to matrix ratio in the pebbly mud is generally about 1:50 except for occasional beds, up to 10 cm thick, where the clast content increases to about 1:5. Clasts generally <10 mm in diameter.
5		5		}	P			
6		6		}	P			
7		7		}	P			
8		8		}	P			
9		9		}	P			
10		10		}	P			
11		11		}	P			
12		12		}	P			
13		13		}	P			
14		14		}	P			
15		15		}	P			
16		16		}	P			
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18		18		}	P			
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21		21		}	P			
22		22		}	P			
23		23		}	P			
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26		26		}	P			
27		27		}	P			
28		28		}	P			
29		29		}	P			
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36		36		}	P			
37		37		}	P			
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131		131		}	P			
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136		136		}	P			
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145		145		}	P			
146		146		}	P			
147		147		}	P			
148		148		}	P			
149		149		}	P			
150		150		}	P			



SITE 971 HOLE B CORE 4H CORED 21.2 - 30.7 mbsf


Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene				5G 4/1	<p>MUD DEBRIS FROM DEPOSITS</p> <p>Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5G 4/1) sand, silt, and clay matrix with scattered gravel fragments up to 10 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio in this material ranges from about 1:5 to 1:10.</p>
2		2						
3		3						
4		4						
5		5						
6		6						
7		7						
		CC				M		

971B 5X NO RECOVERY




SITE 971 HOLE B CORE 6X

CORED 39.7 - 49.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1				I	5GY 4/1	MUD DEBRIS FROM DEPOSITS
<p>Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) sand, silt, and clay matrix with scattered gravel fragments up to 12 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p>								


SITE 971 HOLE B CORE 7X

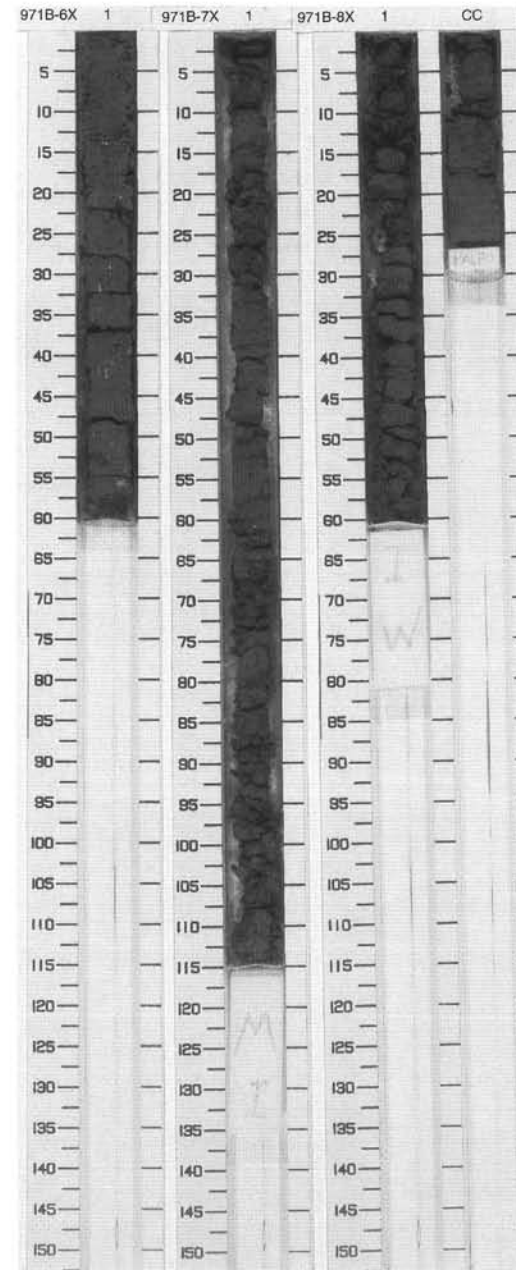
CORED 49.3 - 58.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Pleistocene		www	M	5GY 4/1	MUD DEBRIS FROM DEPOSITS
<p>Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) sand, silt, and clay matrix with scattered gravel fragments up to 12 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p>								

SITE 971 HOLE B CORE 8X

CORED 58.9 - 68.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Pleistocene		www	I M	5GY 4/1	MUD DEBRIS FROM DEPOSITS
<p>Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) silt and clay matrix with scattered gravel fragments up to 10 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio of the sediments is about 1:100.</p>								





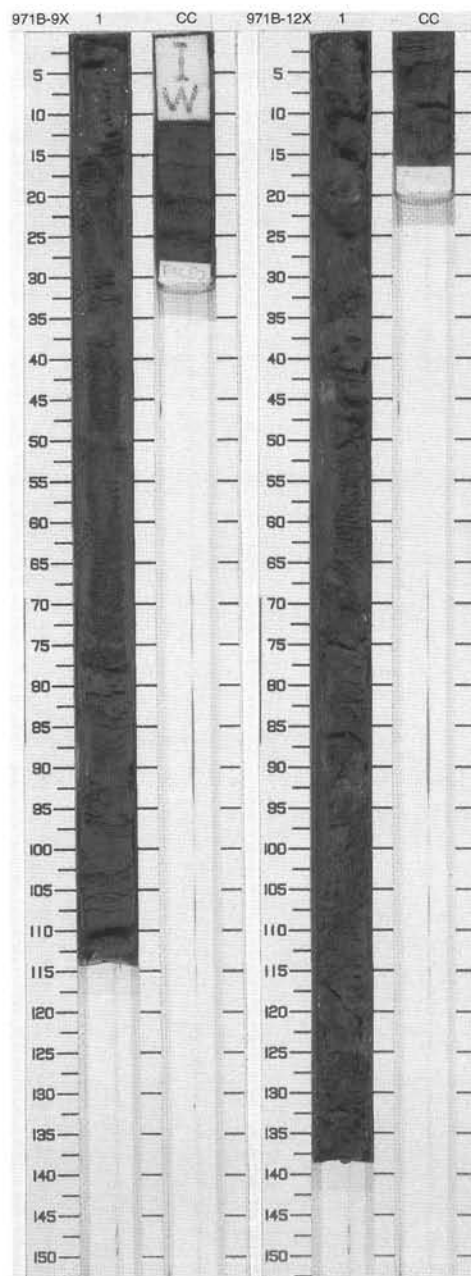
## SITE 971 HOLE B CORE 9X CORED 68.6 - 78.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Pleistocene				5GY 4/1	<p>MUD DEBRIS FROM DEPOSITS</p> <p>Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) silt and clay matrix with scattered gravel fragments up to 5 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio is about 1:100 in Section 1. In the Core Catcher it is about 1:20.</p>
		CC				M		

## 971B 10X THROUGH 11X NO RECOVERY

## SITE 971 HOLE B CORE 12X CORED 97.5 - 107.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	Pleistocene				5GY 4/1	<p>MUD DEBRIS FROM DEPOSITS</p> <p>Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) silt and clay matrix with scattered gravel fragments up to 14 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio is about 1:100.</p>
		CC				M I		





SITE 971 HOLE B CORE 13X

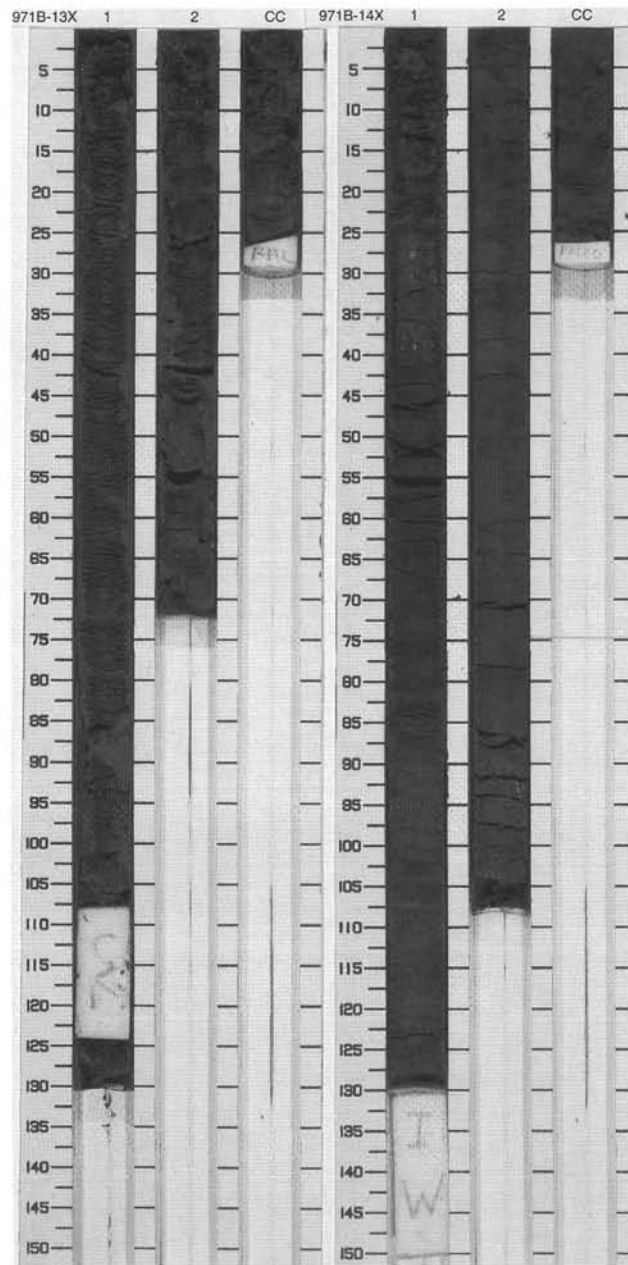
CORED 107.1 - 116.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	Void	1	Pleistocene		OOOOOOOOOOOOOO	I	5GY 4/1	MUD DEBRIS FROM DEPOSITS  Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) silt and clay matrix with scattered gravel fragments up to 10 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.  General Description: The clast to matrix ratio of these sediments is about 1:100 in Section 1, and 1:20 toward the bottom of Section 2 and in the Core Catcher.
2		2			OOOOOOOOOOOOOO	M		
		CC						

SITE 971 HOLE B CORE 14X

CORED 116.7 - 126.3 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene			S	5GY 4/1	MUD DEBRIS FROM DEPOSITS  Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) sand, silt, and clay matrix with scattered gravel fragments up to 15 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.  General Description: The clast to matrix ratio is about 1:200.
						S		
						I		
2		2				S		
						T		
		CC				S M		

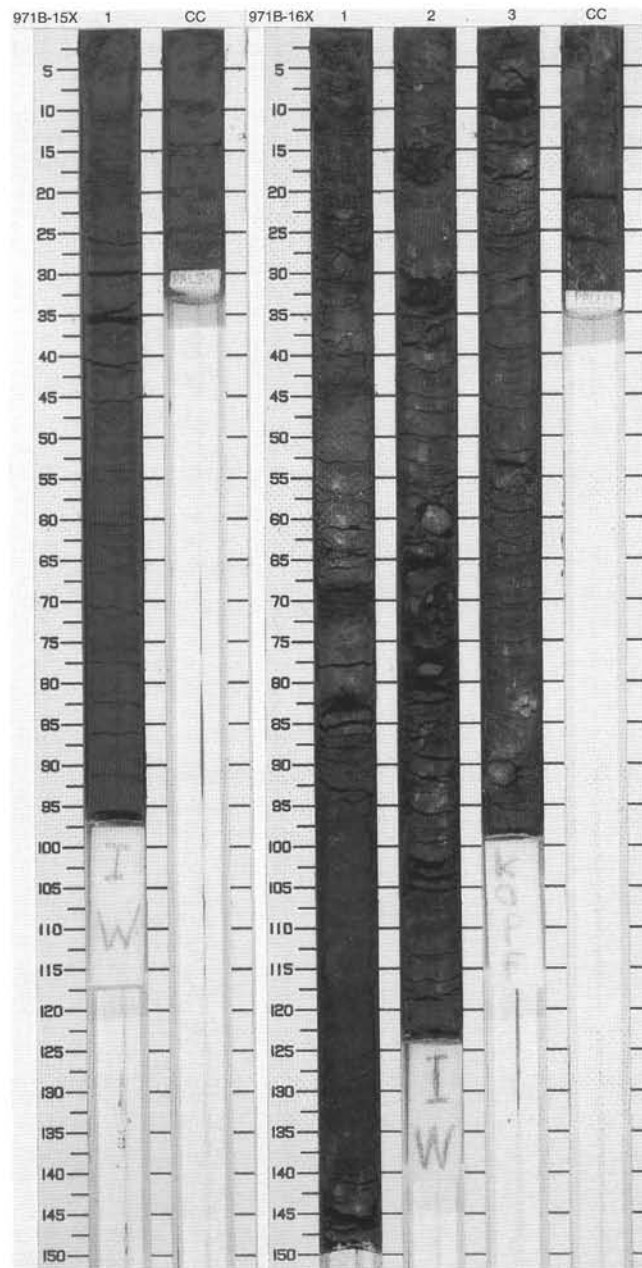


SITE 971 HOLE B CORE 15X CORED 126.3 - 136.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene			I	5GY 4/1	<p>MUD DEBRIS FROM DEPOSITS</p> <p>Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) silt and clay matrix with scattered gravel fragments up to 5 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio is about 1:300.</p>
		CC				M		

SITE 971 HOLE B CORE 16X CORED 136.0 - 145.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene				5GY 4/1	<p>MUD DEBRIS FROM DEPOSITS</p> <p>Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) silt and clay matrix with scattered gravel fragments up to 50 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio is about 1:10.</p>
2		2						
3		3				I		
4		CC				M		

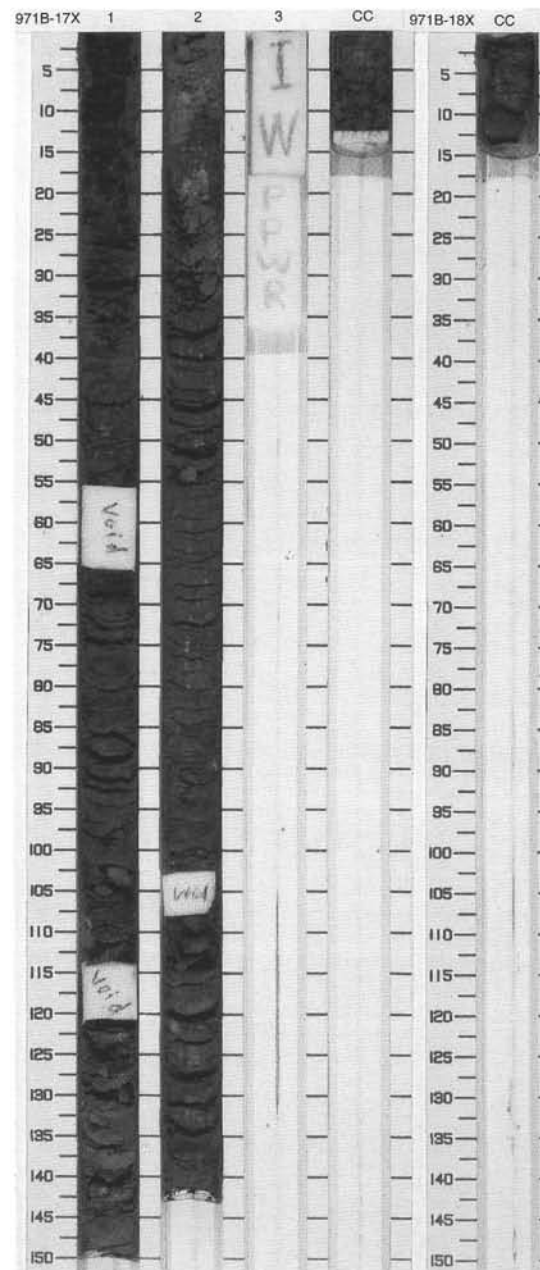


SITE 971 HOLE B CORE 17X CORED 145.6 - 155.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene		○○○○○		5G 4/1	MUD DEBRIS FROM DEPOSITS  Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5G 4/1) silt and clay matrix with scattered gravel fragments up to 30 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.  General Description: The clast to matrix ratio of this material is about 1:10.
2		2						
3		3				I		
						M		

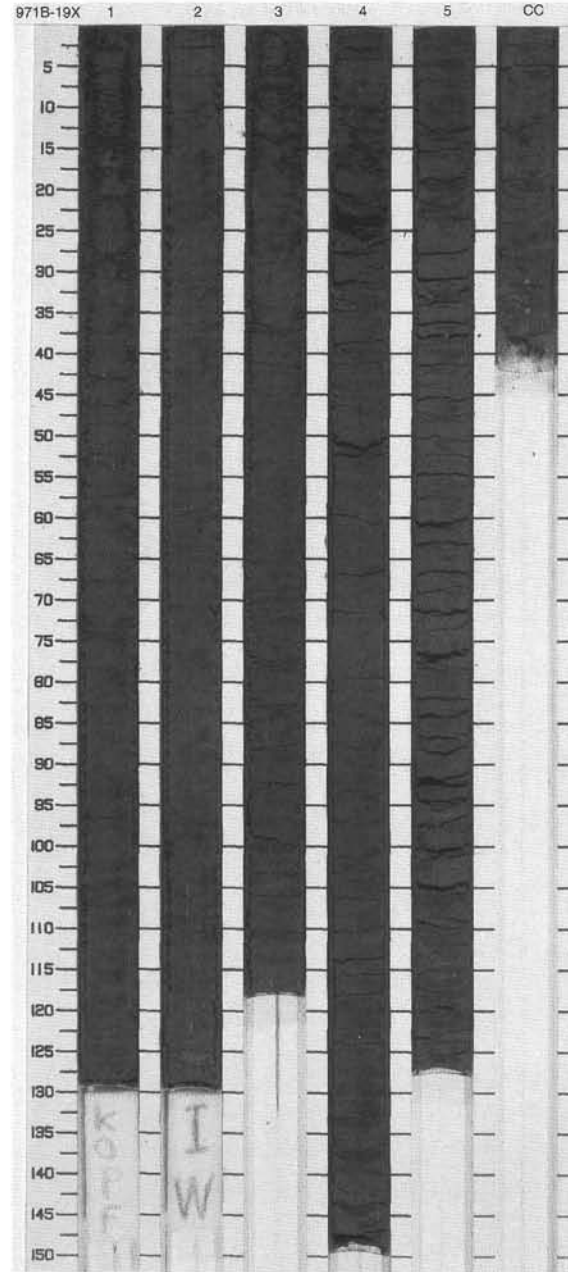
SITE 971 HOLE B CORE 18X CORED 155.2 - 164.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
								MUD DEBRIS FROM DEPOSITS  Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) silt and clay matrix with scattered gravel fragments up to 11 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.  General Description: Core recovery was very small.





SITE 971 HOLE B CORE 19X      CORED 164.9 - 174.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene		~~~~~			<p>MUD DEBRIS FROM DEPOSITS</p> <p>Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5G 4/1) silt and clay matrix with scattered gravel fragments up to 20 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio in this material is variable, about 1:100 in Section 1, and 1:20 or 1:10 in Sections 4 and 5.</p>
2		2						
3		3				I		
4		4		◆		S	5G 4/1	
5		5		◆		S		
6					~~~~~			
7					~~~~~	M		



SITE 971 HOLE B CORE 20X



CORED 174.5 - 184.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene				5GY 4/1	<p>MUD DEBRIS FROM DEPOSITS</p> <p>Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) silt and clay matrix with scattered gravel fragments up to 21 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio in this material is about 1:20.</p>
2		2						
3		3						
		CC				I M		

971B 21X NO RECOVERY

SITE 971 HOLE B CORE 22X

CORED 193.8 - 203.5 mbsf

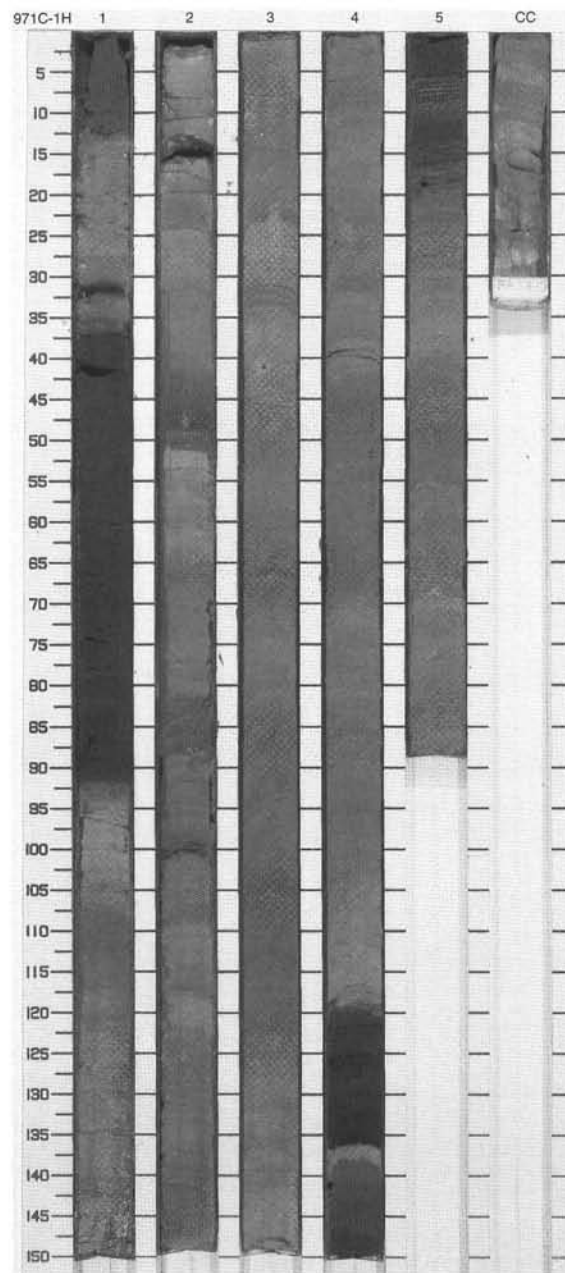
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1 CC	Pleist.				5GY 4/1	<p>MUD DEBRIS FROM DEPOSITS</p> <p>Major Lithology: The sediment in this core is MUD DEBRIS FROM DEPOSITS, comprising a chaotic mixture of greenish gray (5GY 4/1) silt, and clay matrix with scattered gravel fragments up to 52 mm. The gravel is subangular to subrounded and the composition encompasses a range of sandstones, siltstones, and claystones.</p> <p>General Description: The clast to matrix ratio in this sediment is about 1:3.</p>



## SITE 971 HOLE C CORE 1H

CORED 0.0 - 7.2 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		}}	✓			<p>NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE</p> <p>Major Lithologies: The sediment in this core is NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE color banded through light gray (10YR 7/1) to light yellowish brown (10YR 6/4).</p> <p>Minor Lithologies: Two SAPROPELS, both 60 cm thick, occur in this core. The upper (in Section 1) contains prepared fragments and is bioturbated. The other (Section 5), has mud laminations. Two ASH beds, and numerous thin (mm-scale) SILT laminae occur in the core.</p>
2		2		}}				
3		3		}}	-A			
4		3		}}			10YR 6/4 To 10YR 7/1	
5		4		}}				
6		4		}}				
7		5		}}	-A			
		5		}}				
		CC						
						M		

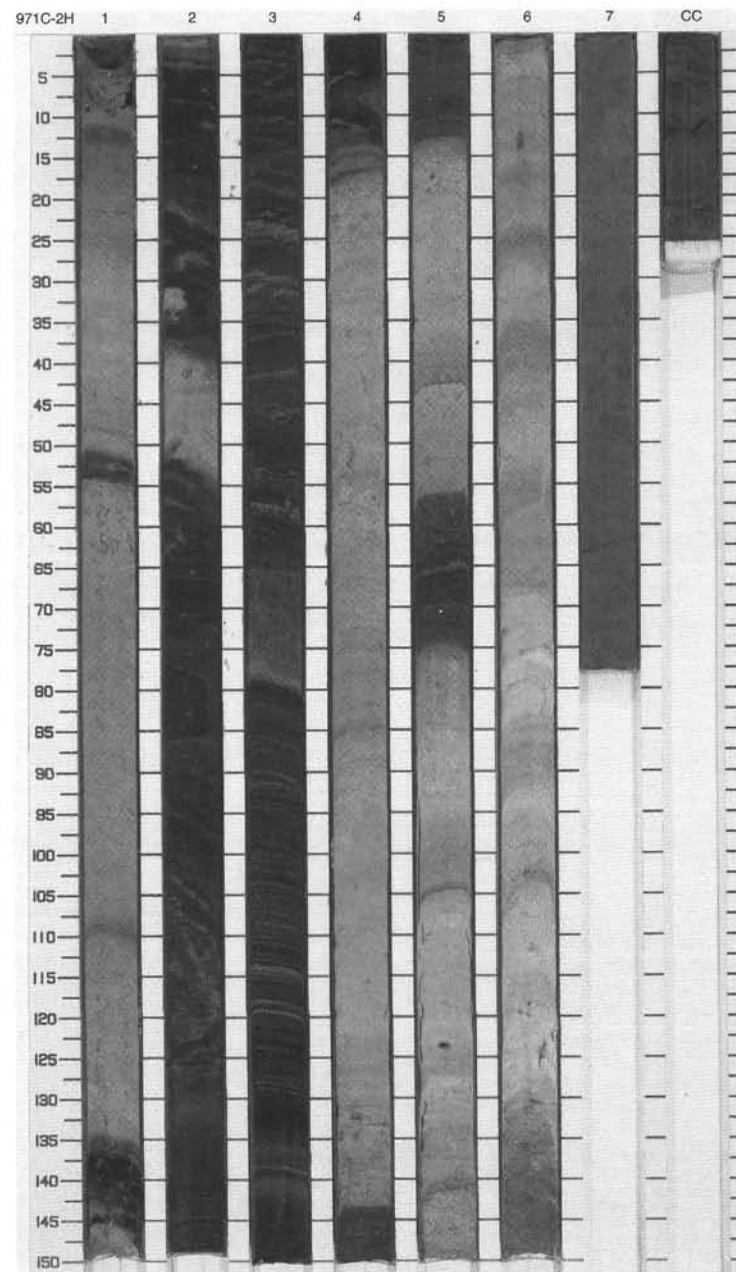






SITE 971 HOLE C CORE 2H

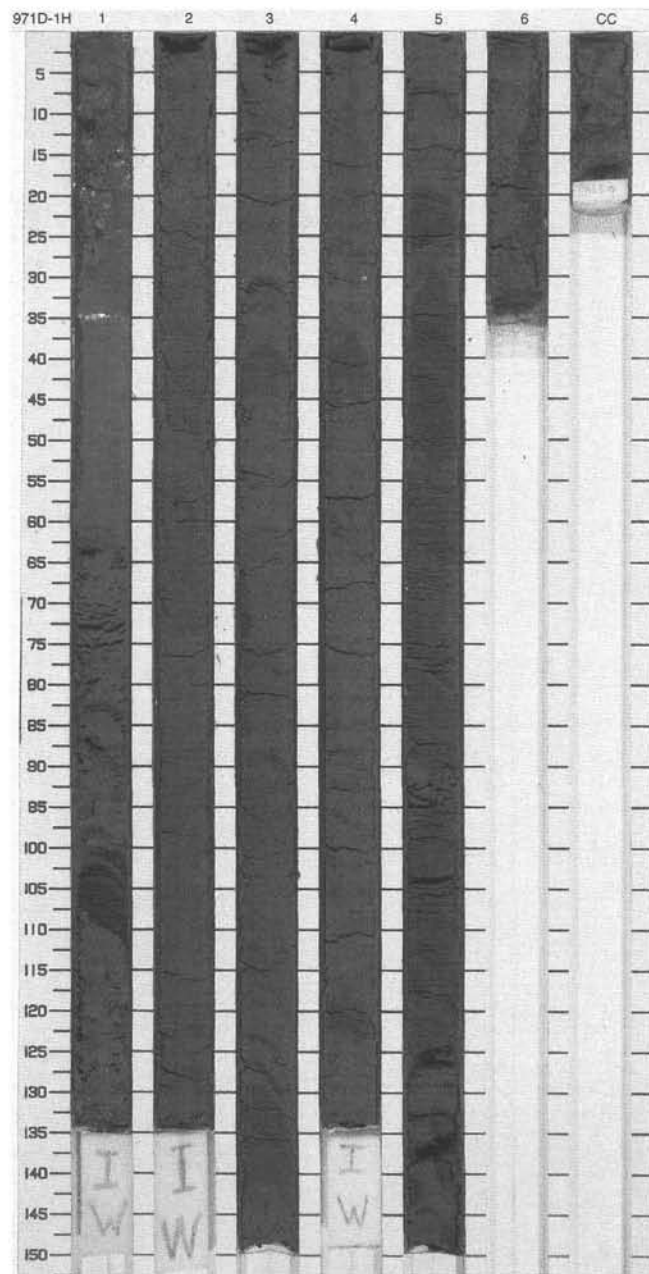
CORED 7.2 - 16.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		⋈	CC	S	5Y 7/1	<p>NANNOFOSSIL CLAY, CLAYEY NANNOFOSSIL OOZE, and SAPROPEL</p> <p>Major Lithologies: The sediment in this core consists of three major types: light gray (5Y7/1 to N7) NANNOFOSSIL CLAY and CLAYEY NANNOFOSSIL OOZE, and very dark gray (5Y 3/1) SAPROPEL. The latter is somewhat deformed by slumping, and is laminated in places.</p>
2		2		⋈		S	5Y 3/1 To 5Y 3/2	
3		3						<p>Minor Lithologies: Five thin SAPROPELS and one OXIDIZED SAPROPEL occur in addition to the massive dominant unit. These range in thickness from 2 to about 20 cm, are occasionally laminated and bioturbated, and generally have sharp contacts.</p>
4		4						
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15		15						
16		16						



## SITE 971 HOLE D CORE 1H CORED 0.0 - 8.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene		www	I	5Y 5/1 To 5BG 4/1	<p>SILTY CLAY</p> <p>Major Lithology: The sediment in this core is gray to greenish gray (5Y 5/1 to 5BG 4/1) SILTY CLAY.</p> <p>Minor Lithologies: A 10-cm-thick SAPROPEL with intercalated clay(?) layers occurs in Section 1. Fine-grained HALITE is pervasive throughout the entire core.</p> <p>General Description: The sediment has a "mousse-like" texture, and has numerous cracks perpendicular to bedding. Rare clasts &lt;77 mm in diameter.</p>
2		2				S		
3		3				I		
4		4						
5		5				S		
6		6						
7		CC				M		

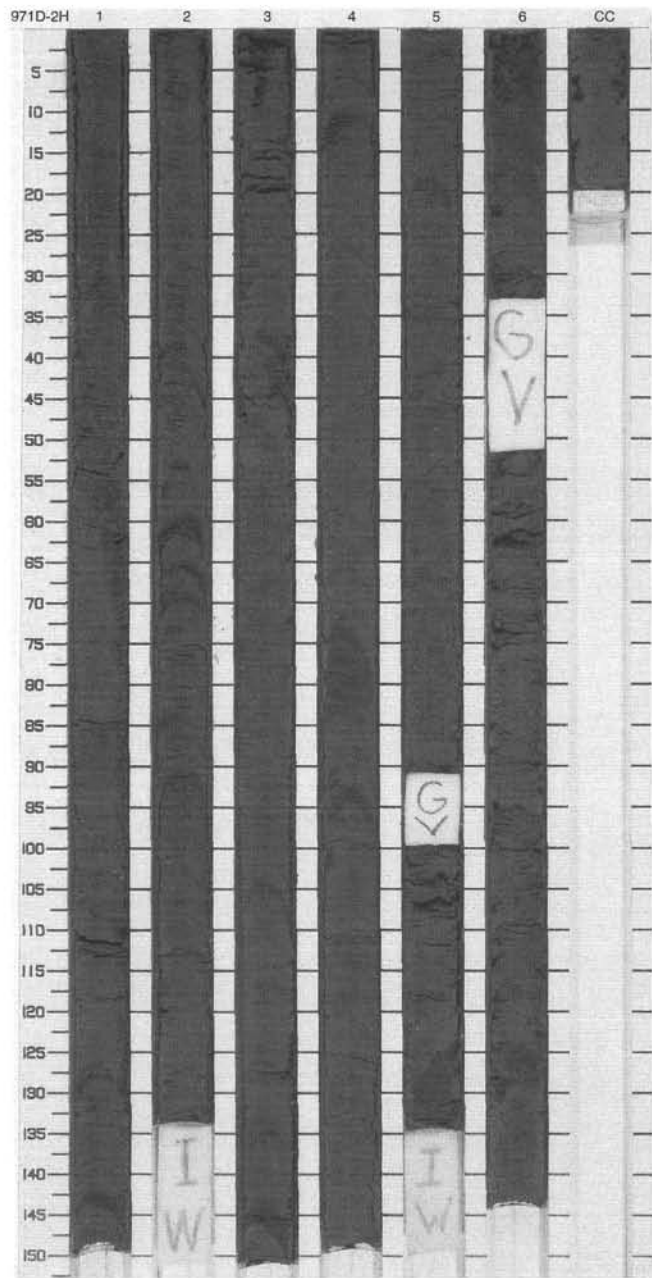




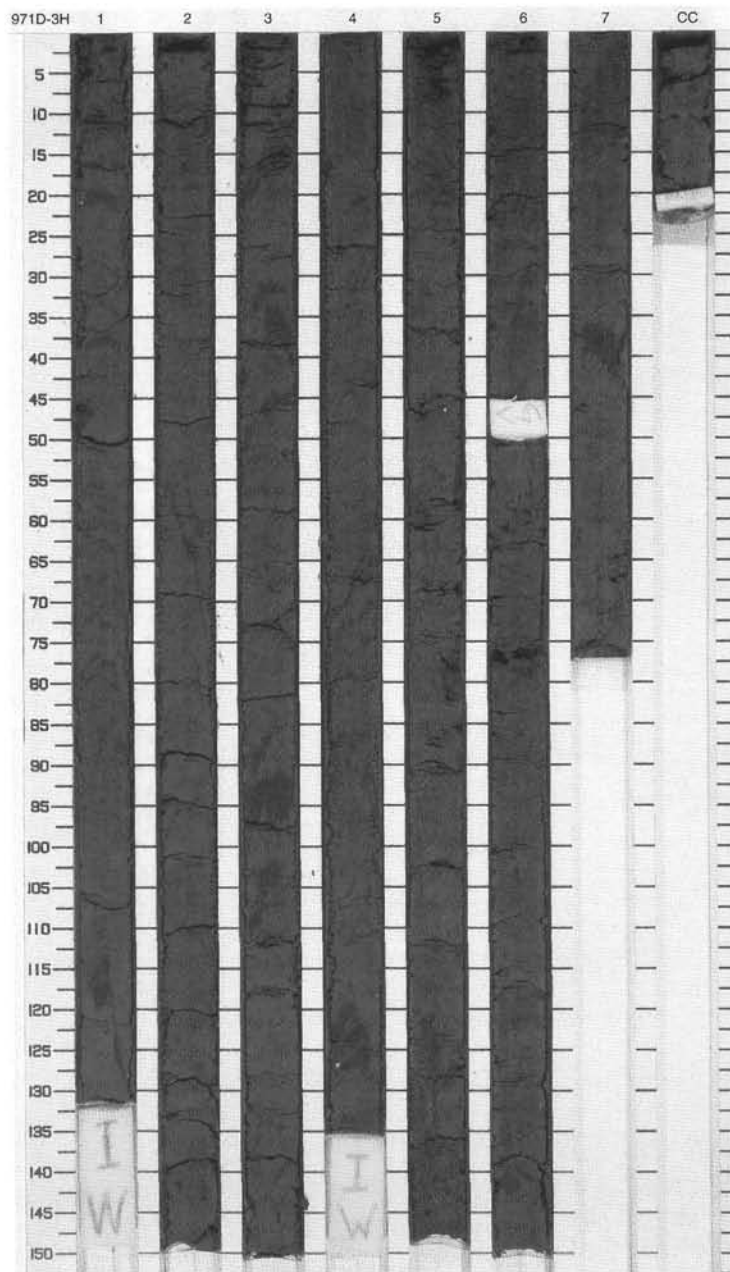
SITE 971 HOLE D CORE 2H

CORED 8.0 - 17.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1						SILTY CLAY
2		2				S		Major Lithology: The sediment in this core is greenish gray (5GY 4/1) SILTY CLAY with scattered clasts of claystone, mudstone, and friable sandstone up to 30 mm. Occasional patches of fine sand occur toward the bottom of the core in Section 6.
3		3				I		General Description: Fine crystals of HALITE are pervasive throughout the core.
4		4	Pleistocene				5GY 4/1	
5		5				I		
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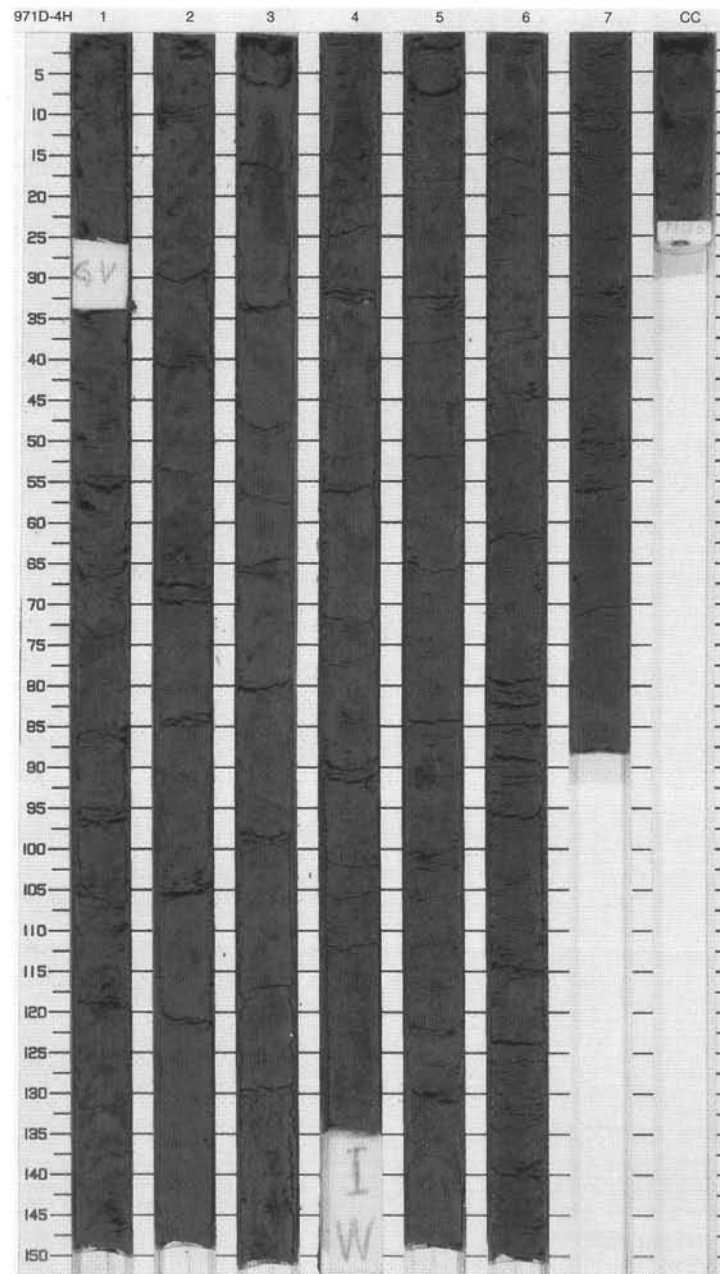
SITE 971 HOLE D CORE 3H				CORED 17.5 - 27.0 mbsf			
Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1					<p><b>SILTY CLAY</b></p> <p>Major Lithology: The sediment in this core is greenish gray (5GY 4/1) <b>SILTY CLAY</b> with a "mousse-like" texture.</p> <p>General Description: HALITE crystals are pervasive throughout the core, and some small sandy patches occur in Sections 3 and 4.</p>
2		2					
3		3					
4		3			S		
5		4				5GY 4/1	
6		5			S		
7		5			I		
8		6					
9		7					
10		CC				M	



SITE 971 HOLE D CORE 4H

CORED 27.0 - 36.5 mbsf

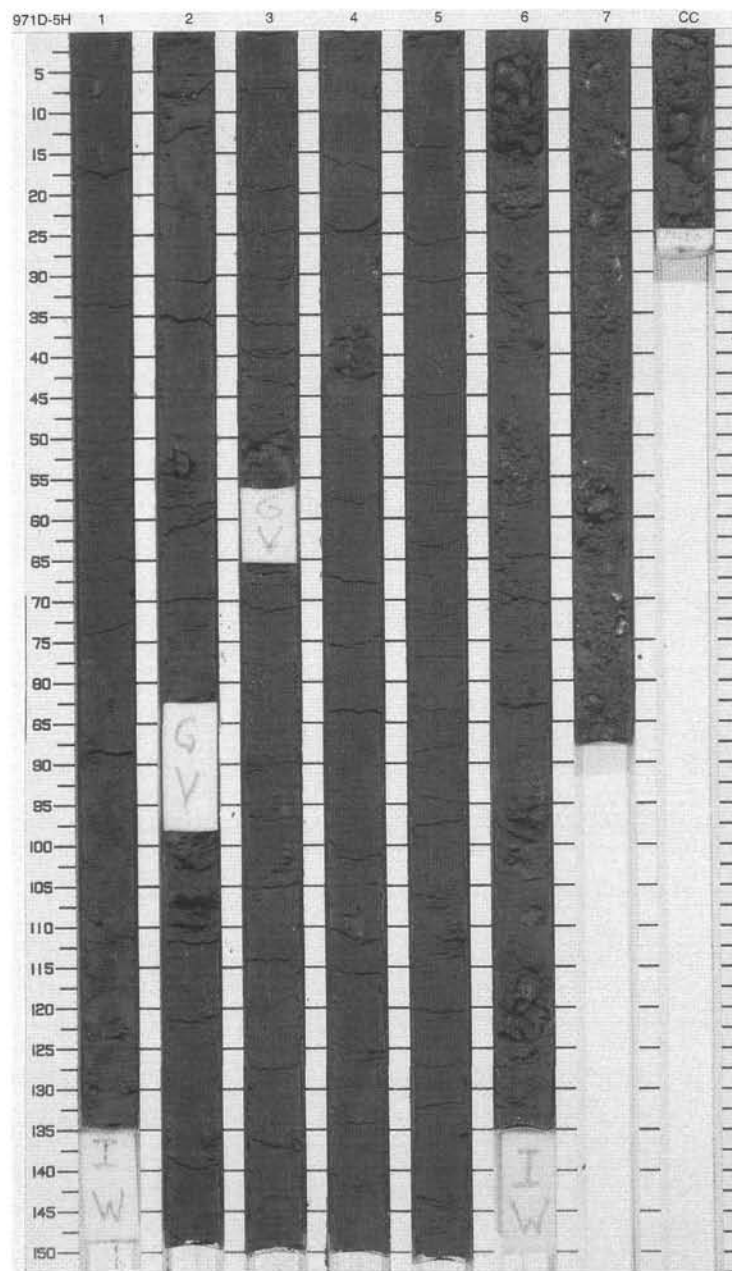
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1						SILTY CLAY
2		2						Major Lithology: The sediment in this core is greenish gray (5GY 4/1) SILTY CLAY with a "mousse-like" texture throughout.
3		3						General Description: HALITE is pervasive throughout the core, and there are numerous patches of sediment (particularly sandy horizons) cemented into masses up to 25 mm by halite. Occasional voids are due to gas expansion.
4		4	Pleistocene				5GY 4/1	
5		5				I		
6		6						
7		7						
8		CC				M		



## SITE 971 HOLE D CORE 5H


CORED 36.5 - 46.0 mbsf

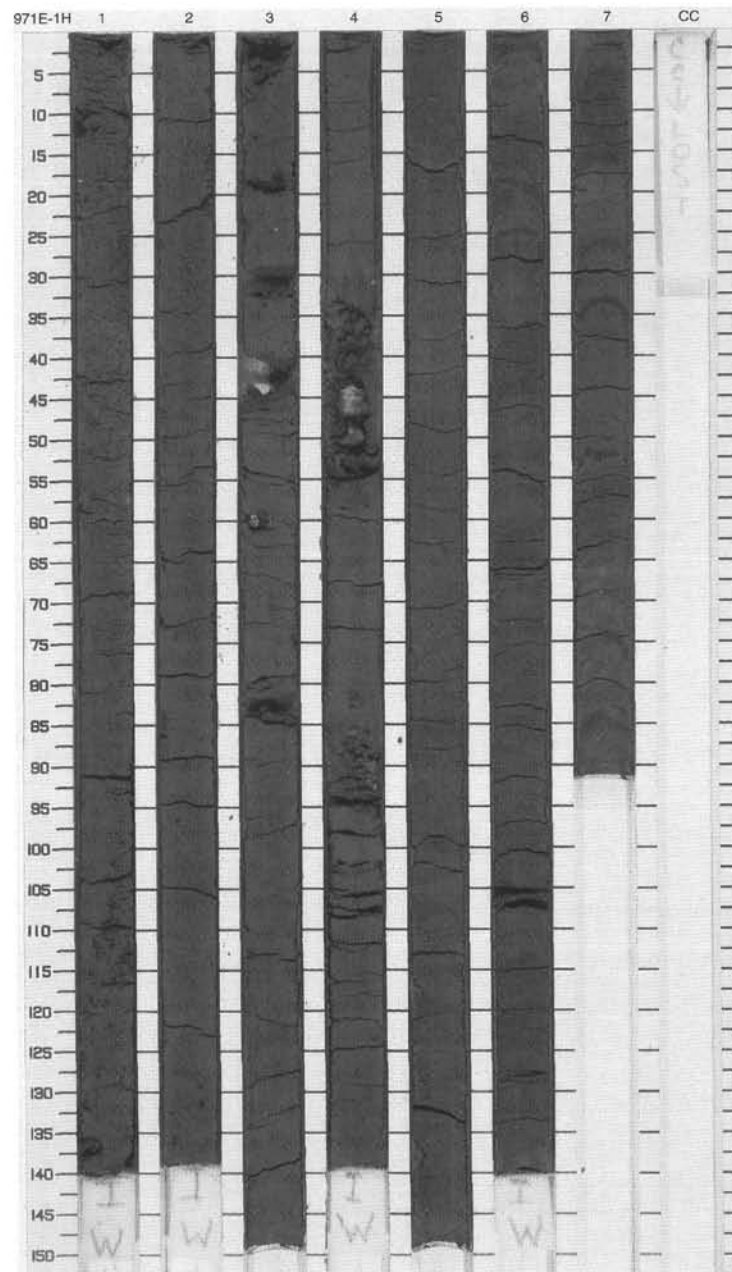
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1				I		SILTY CLAY
2		2						Major Lithology: The sediment in this core is greenish gray (5GY 4/1) SILTY CLAY with a "mousse-like" texture throughout. Occasional clasts of mudstone up to 57 mm occur throughout the core.
3		3						General Description: HALITE is pervasive throughout the core, and there are numerous patches of sediment (particularly sandy horizons) cemented into masses up to 30 mm by halite. Occasional voids are due to gas expansion.
4		4					5GY 4/1	
5		5				S		
6		6				I		
7		7						
8		8				M		



SITE 971 HOLE E CORE 1H


CORED 0.0 - 9.5 mbsf

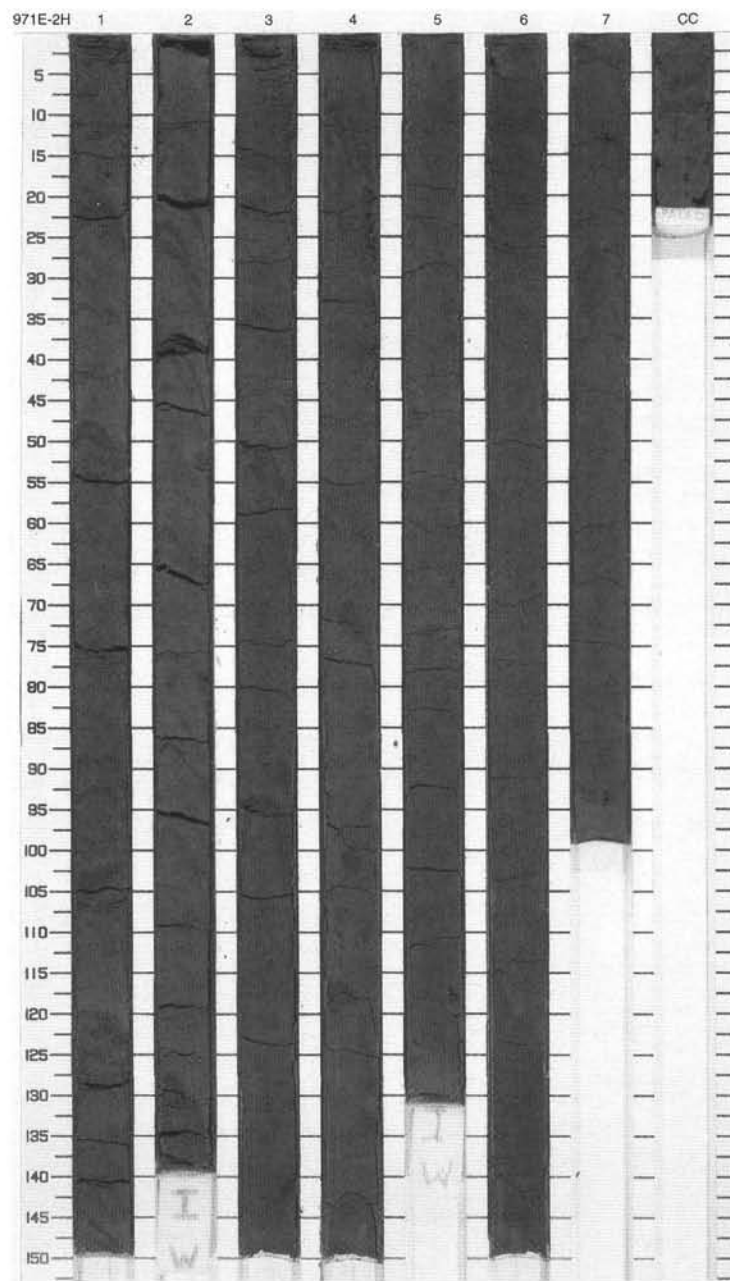
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene					<p><b>SILTY CLAY</b></p> <p>Major Lithology: The sediment in this core is greenish gray (5GY 4/1) SILTY CLAY with a "mousse-like" texture. Clasts up to 40 mm of angular calcarenite, mudstone, and a layered carbonate occur scattered throughout the core.</p> <p>General Description: The core is very "gassy" with a considerable amount of hydrogen sulfide in pores. Numerous voids are due to gas expansion.</p>
2		2				I		
3		3				I		
4		3						
5		4					5GY 4/1	
6		5				I		
7		6						
8		7				I		



## SITE 971 HOLE E CORE 2H

CORED 9.5 - 19.0 mbsf

Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
1		1					<b>SILTY CLAY</b>  <b>Major Lithology:</b> The sediment in this core is greenish gray (5GY 4/1) SILTY CLAY with a "mousse-like" texture. Clasts up to 30 mm of angular calcarenite, mudstone, and a layered carbonate occur scattered throughout the core.  <b>General Description:</b> The core is very 'gassy' with a considerable amount of hydrogen sulfide in pores. Numerous voids are due to gas expansion. Occasional patches are cemented into masses by calcite.
2		2					
3		3			I		
4		4			S		
5		5				5GY 4/1	
6		6					
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SITE 971 HOLE E CORE 3H

CORED 19.0 - 28.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Pleistocene		OOO	I	5GY 4/1	<p><b>SILTY CLAY</b></p> <p>Major Lithology: The sediment in this core is greenish gray (5GY 4/1) SILTY CLAY with a 'mousse-like' texture. Clasts up to 30 mm of angular calcarenite, mudstone, and a layered carbonate occur scattered throughout the core.</p> <p>General Description: Sections 2 to 6 lost due to gas blowout in core liner during processing. The core is very "gassy" with a considerable amount of hydrogen sulfide in pores. Numerous voids are due to gas expansion. Occasional patches are cemented into masses by calcite.</p>
2		2						
3		7						
		CC				I M		

