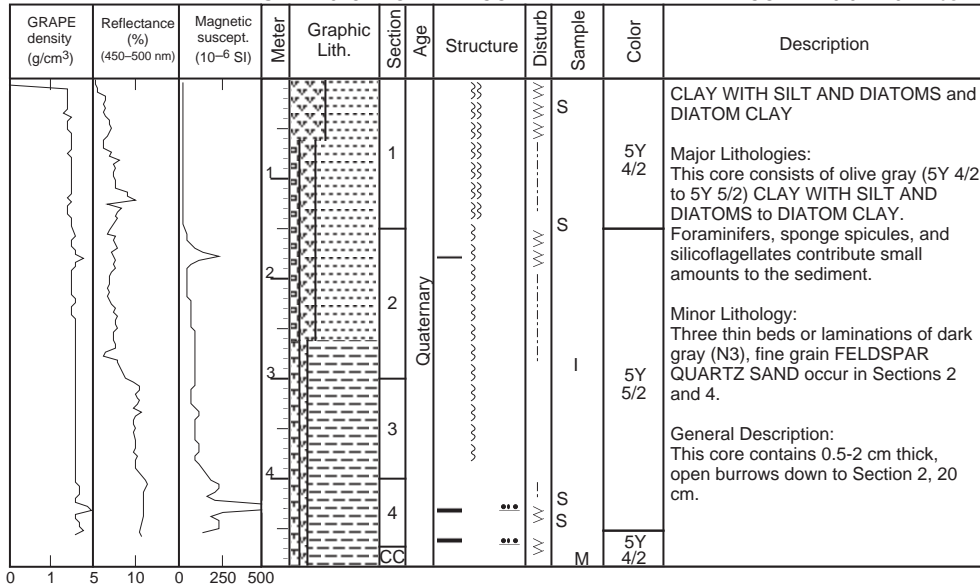


SITE 1018 HOLE A CORE 1H CORED 0.0 - 4.9 mbsf

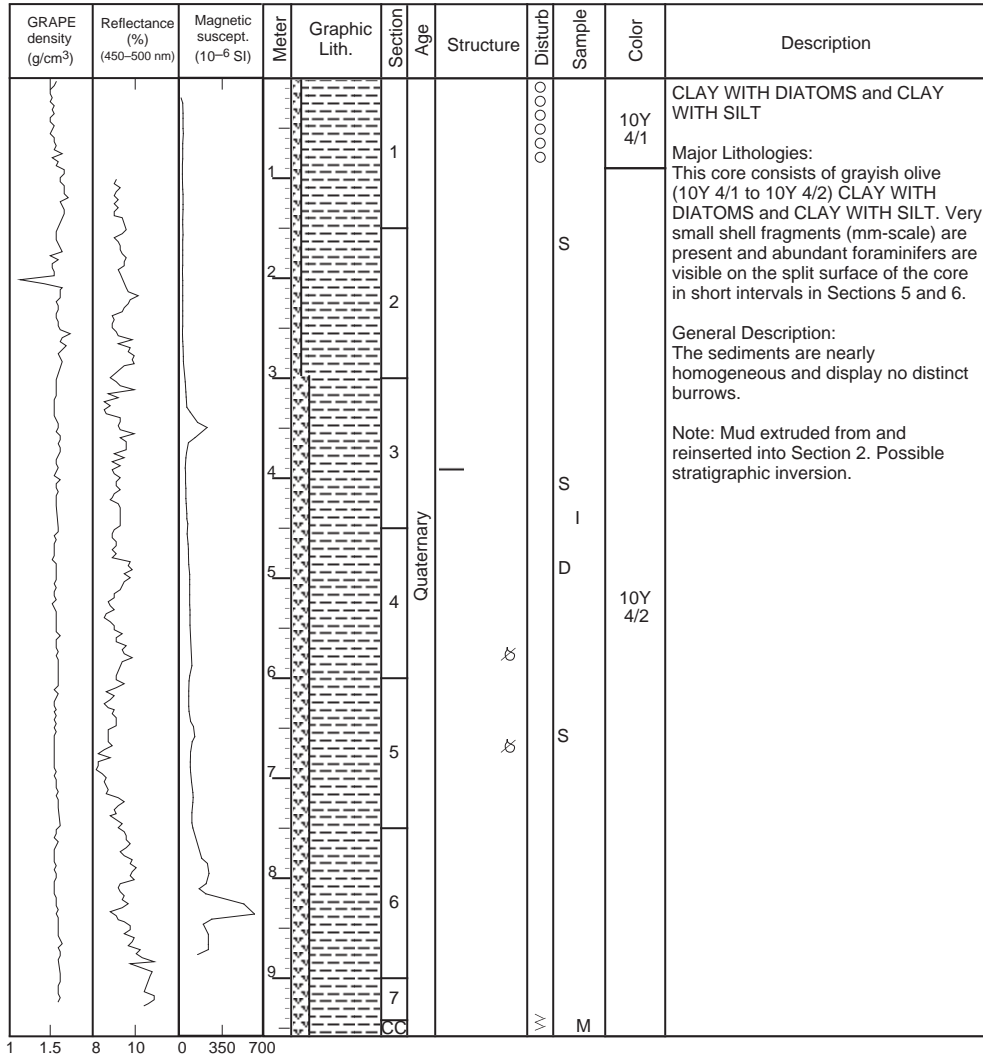


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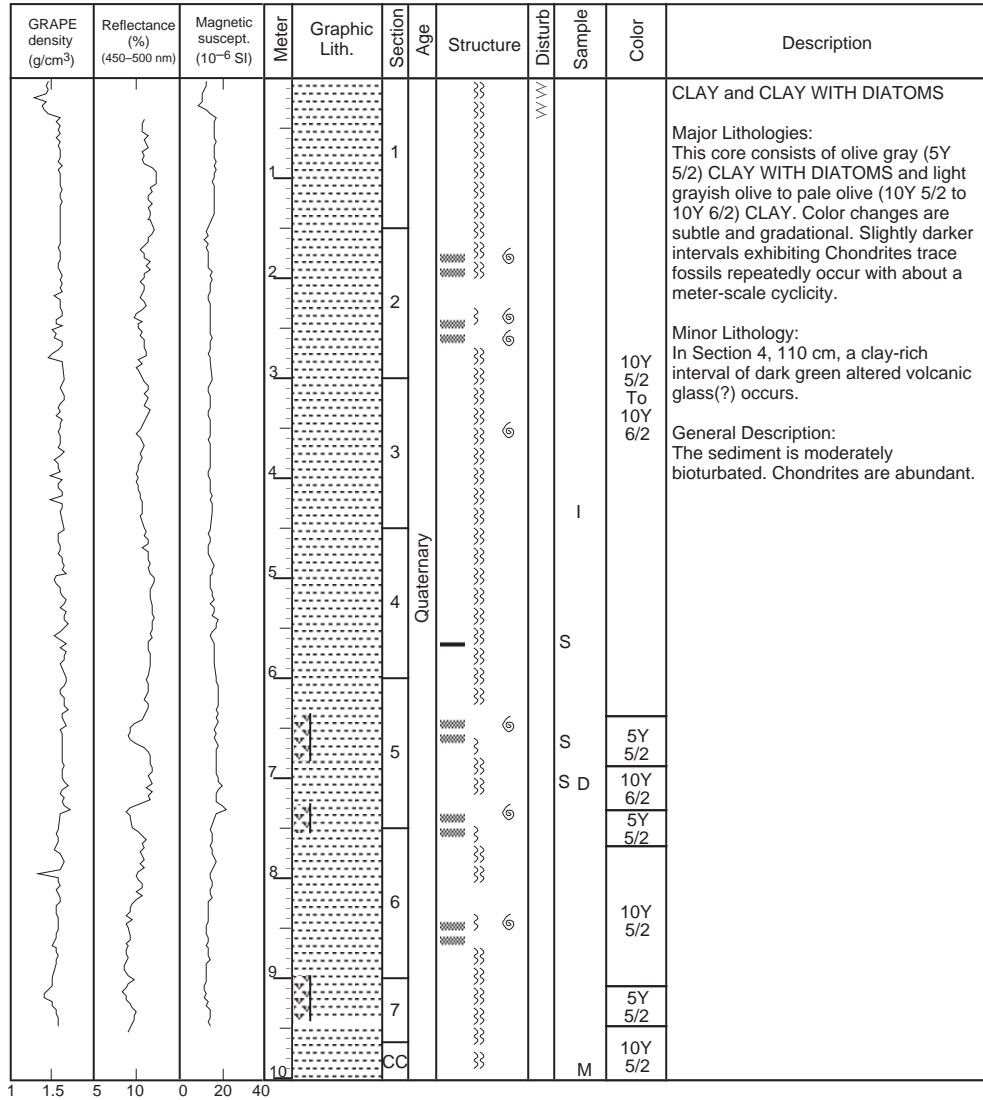
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SITE 1018 HOLE A CORE 2H CORED 4.9 - 14.4 mbsf



SITE 1018 HOLE A CORE 4H

CORED 23.9 - 33.4 mbsf



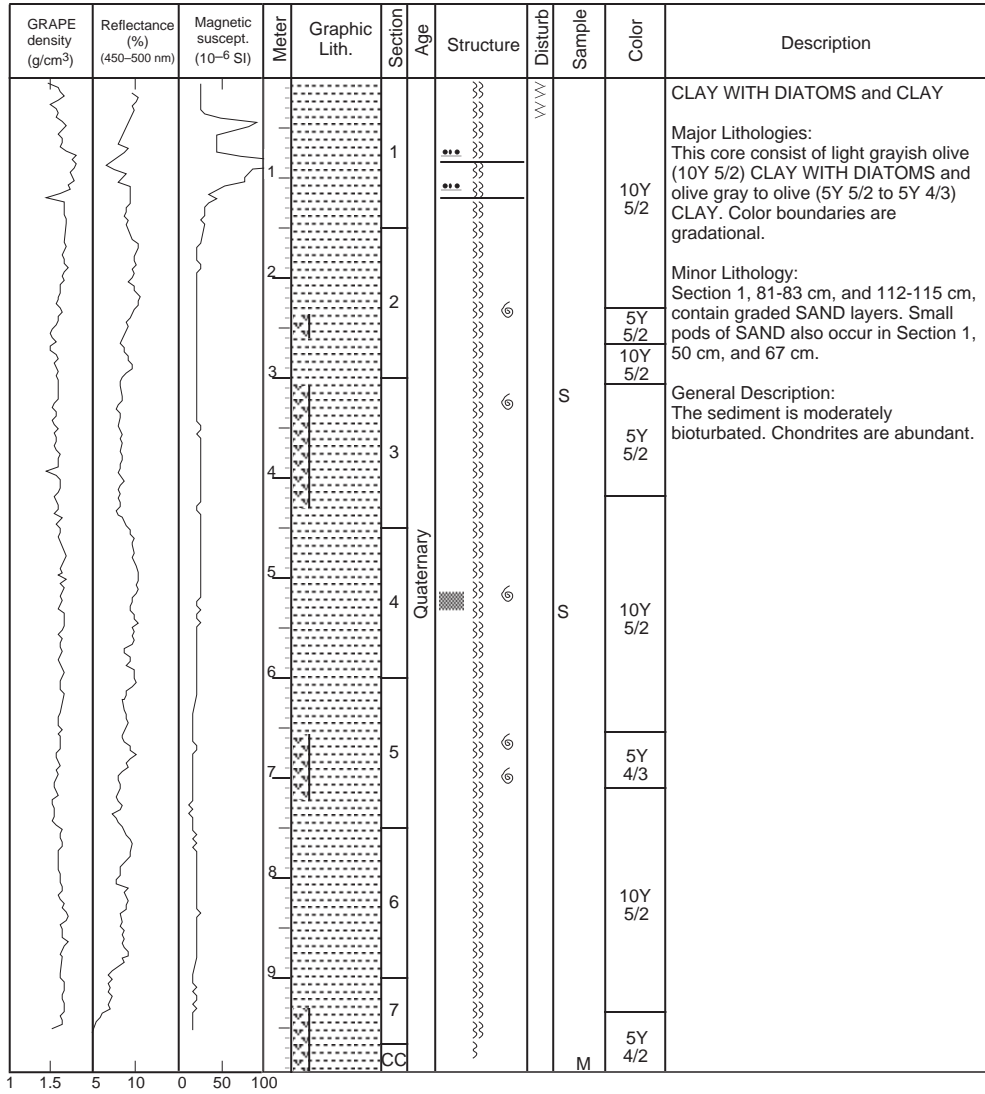
SITE 1018 HOLE A CORE 5H

CORED 33.4 - 42.9 mbsf

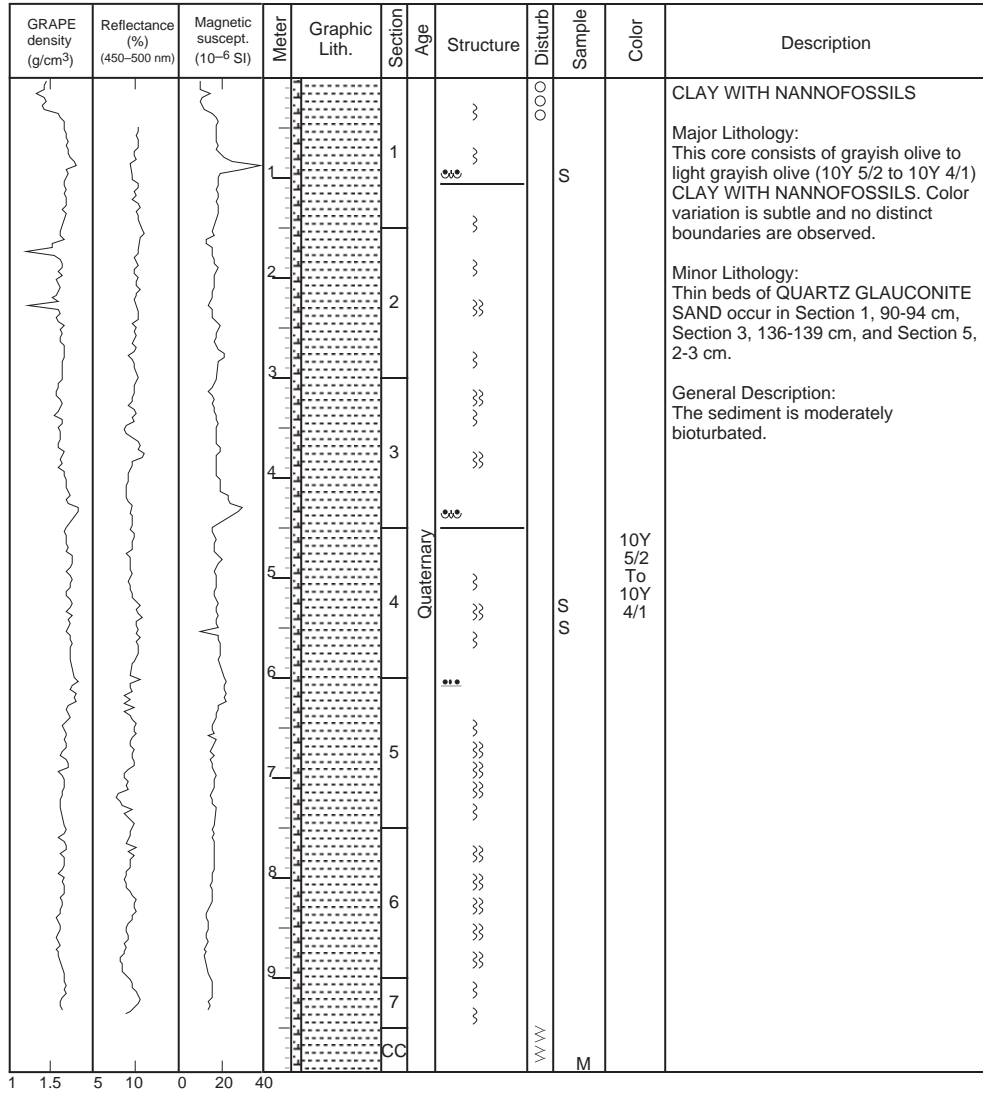
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1		Ⓟ				<p>CLAY WITH DIATOMS and CLAY WITH SILT</p> <p>Major Lithologies: This core consists of olive gray (5Y 5/2) CLAY WITH DIATOMS and grayish olive (10Y 4/1) CLAY WITH SILT. Color boundaries are gradational. The silt fraction is composed mainly of quartz and feldspar.</p> <p>General Description: The sediment is slightly bioturbated.</p>
			2		2					10Y 4/1	
			3		3						
			4		3						
			5		4	Quaternary			I	5Y 5/2	
			6		4					10Y 4/1	
			7		5					5Y 5/2	
			8		5					10Y 4/1	
			9		6				S	5Y 5/2	
			10		7				S	10Y 4/1	
					CC				M		

SITE 1018 HOLE A CORE 7H

CORED 52.4 - 61.9 mbsf



SITE 1018 HOLE A CORE 8H CORED 61.9 - 71.4 mbsf

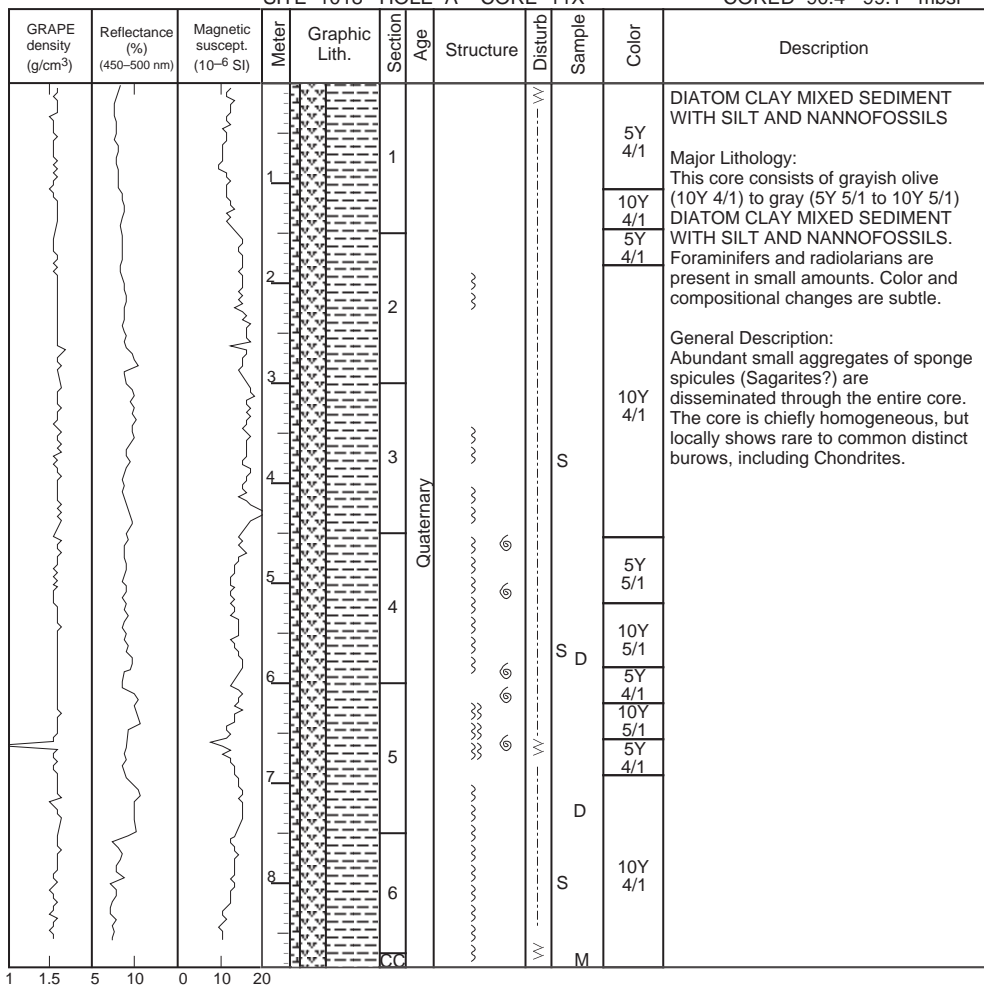


SITE 1018 HOLE A CORE 10H

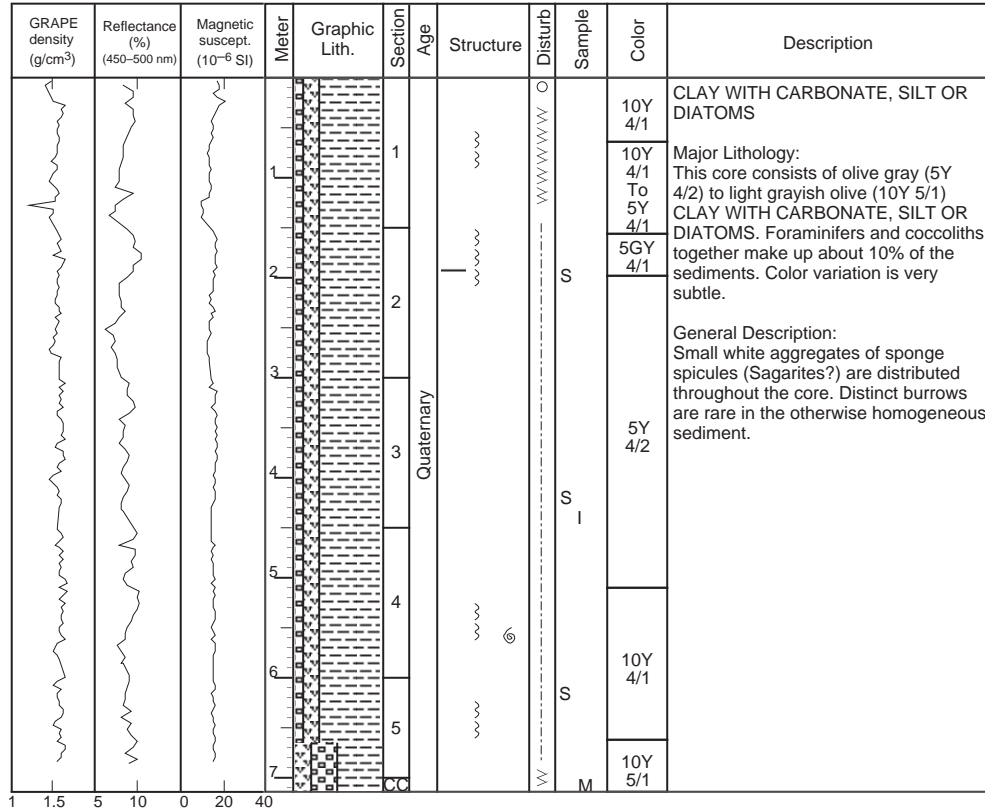
CORED 80.9 - 90.4 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1		~	OO	S	10Y 5/1	NANNOFOSSIL OOZE WITH DIATOMS and DIATOM OOZE WITH CLAY AND SILICOFLAGELLATES
			10Y 4/1 To 10Y 5/1		Major Lithologies: This core contains a distinctly larger biogenic component than previous cores. It consists of light grayish olive (10Y 5/1) to gray (5Y 5/1) NANNOFOSSIL OOZE WITH DIATOMS and grayish olive (10Y 4/1) to dark gray (5Y 4/1) DIATOM OOZE WITH CLAY AND SILICOFLAGELLATES. Radiolarians, sponge spicules, quartz-feldspar silt, foraminifers, and siliceous holothurian ossicles contribute small quantities to the sediment.						
			10Y 5/1								
			5Y 5/1								
			5GY 4/1		Minor Lithology: Two thin laminations of very fine- to fine-grained SAND are present in Sections 2 and 3.						
			5Y 5/1		General Description: This core shows little visible bioturbation. It was moderately disturbed by coring and extraction.						
			5Y 4/1								
			5Y 5/1								
			10Y 4/1								
			5Y 4/1								
1.5	5	0	20	40							

SITE 1018 HOLE A CORE 11X CORED 90.4 - 99.1 mbsf

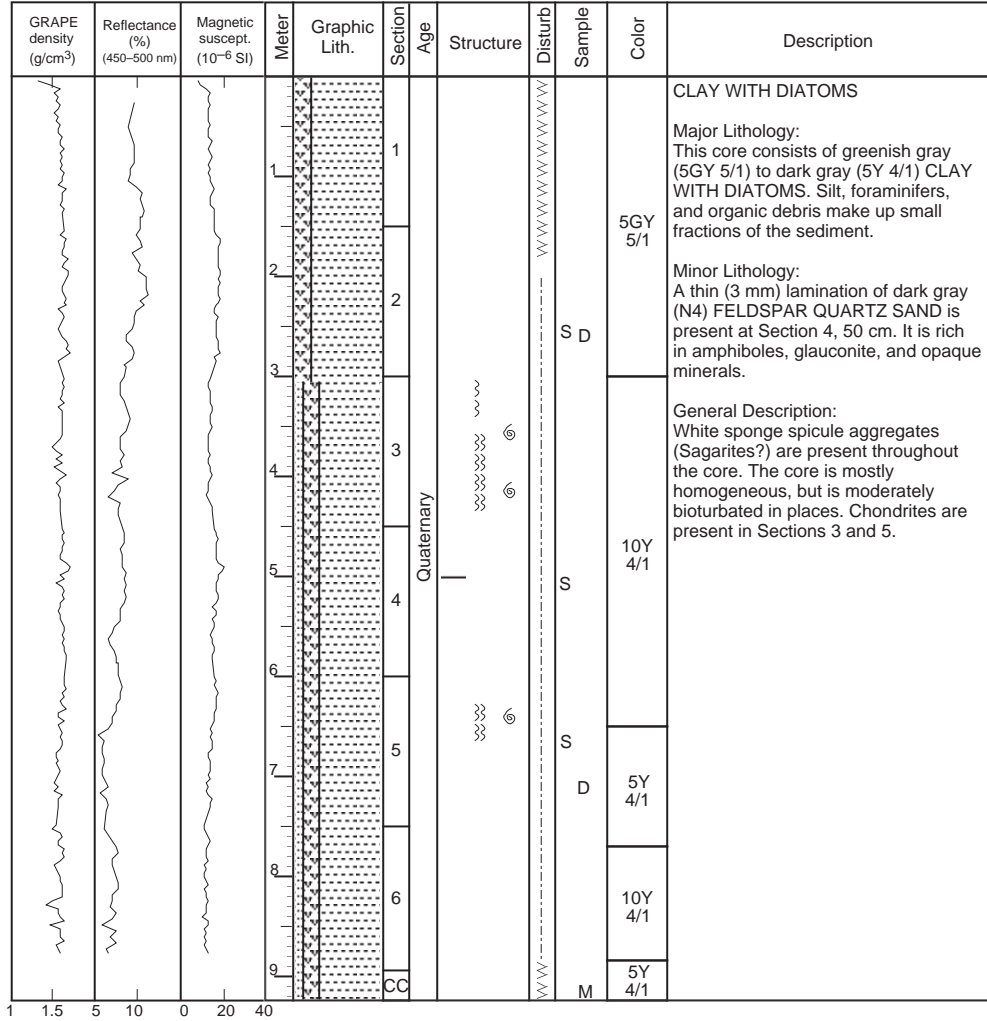


SITE 1018 HOLE A CORE 12X CORED 99.1 - 108.7 mbsf



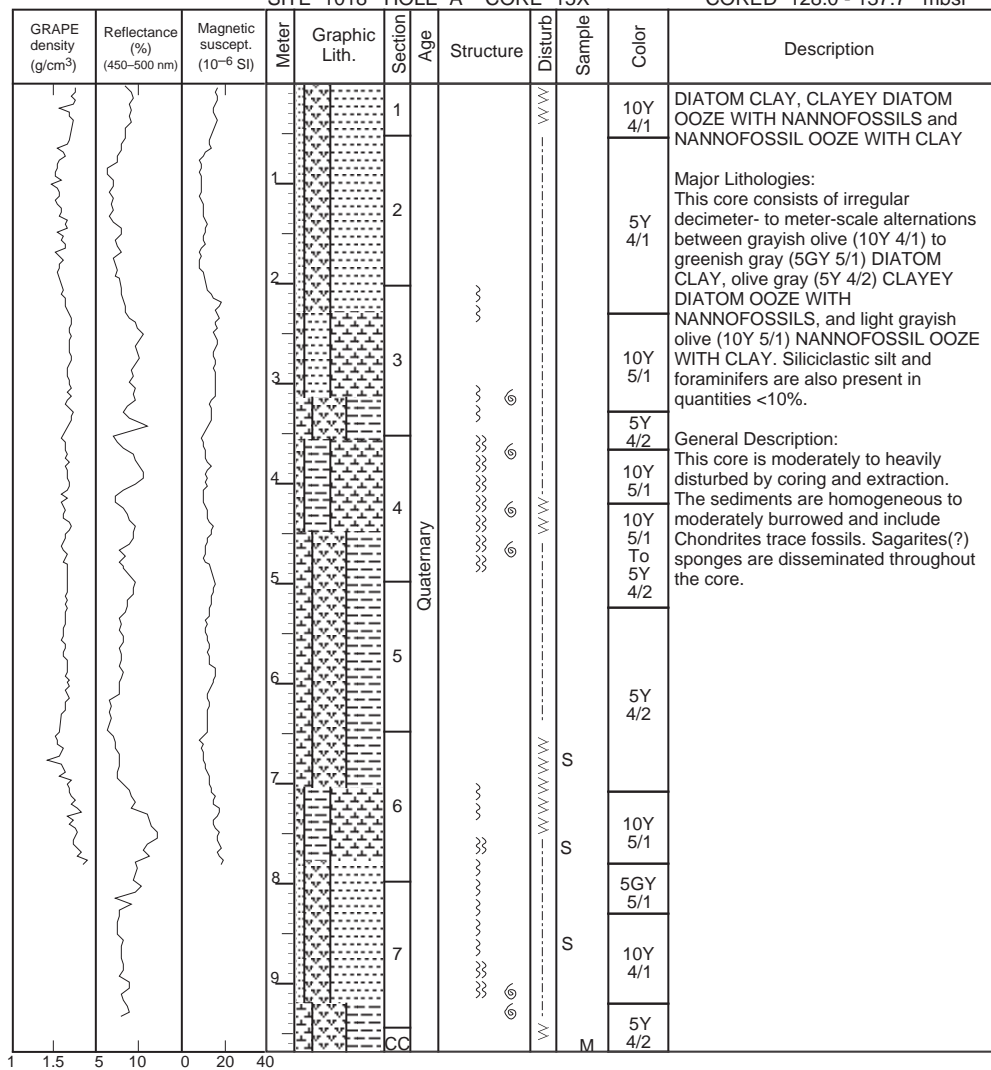
SITE 1018 HOLE A CORE 13X

CORED 108.7 - 118.3 mbsf



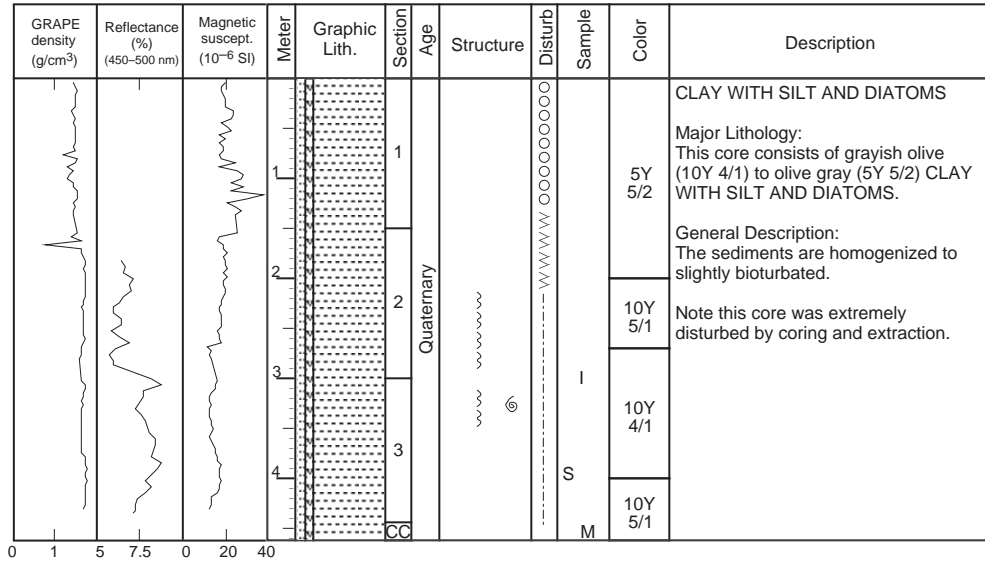
SITE 1018 HOLE A CORE 15X

CORED 128.0 - 137.7 mbsf



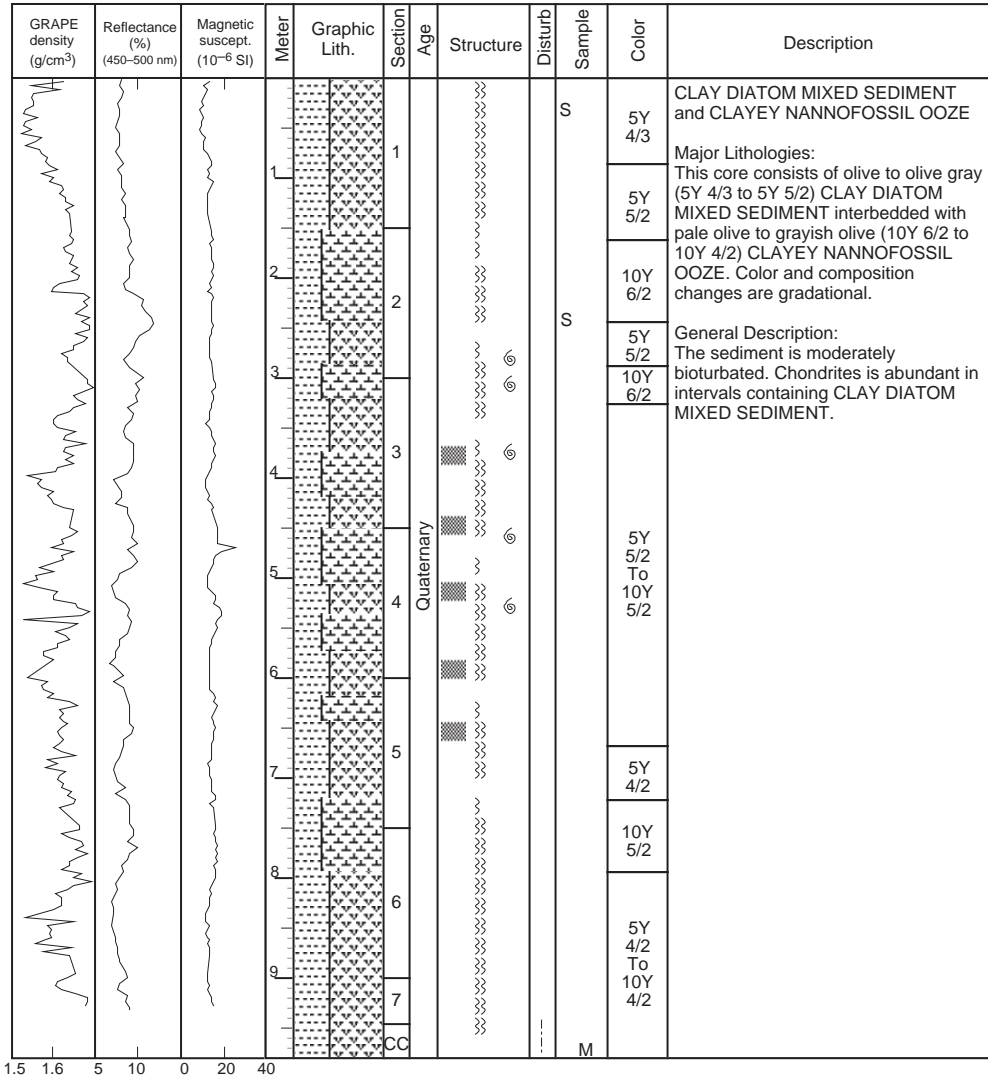
SITE 1018 HOLE A CORE 16X

CORED 137.7 - 147.3 mbsf

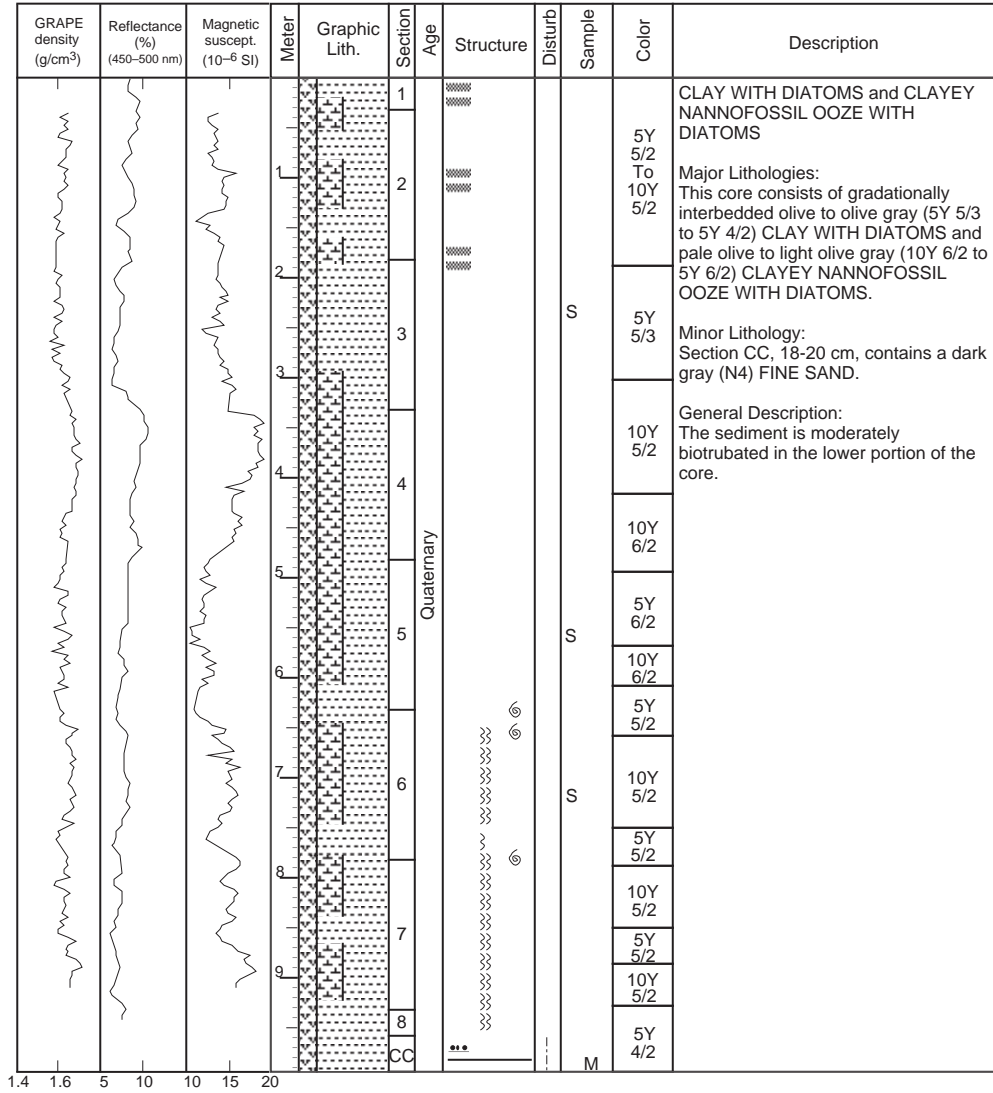


SITE 1018 HOLE A CORE 17X

CORED 147.3 - 156.9 mbsf

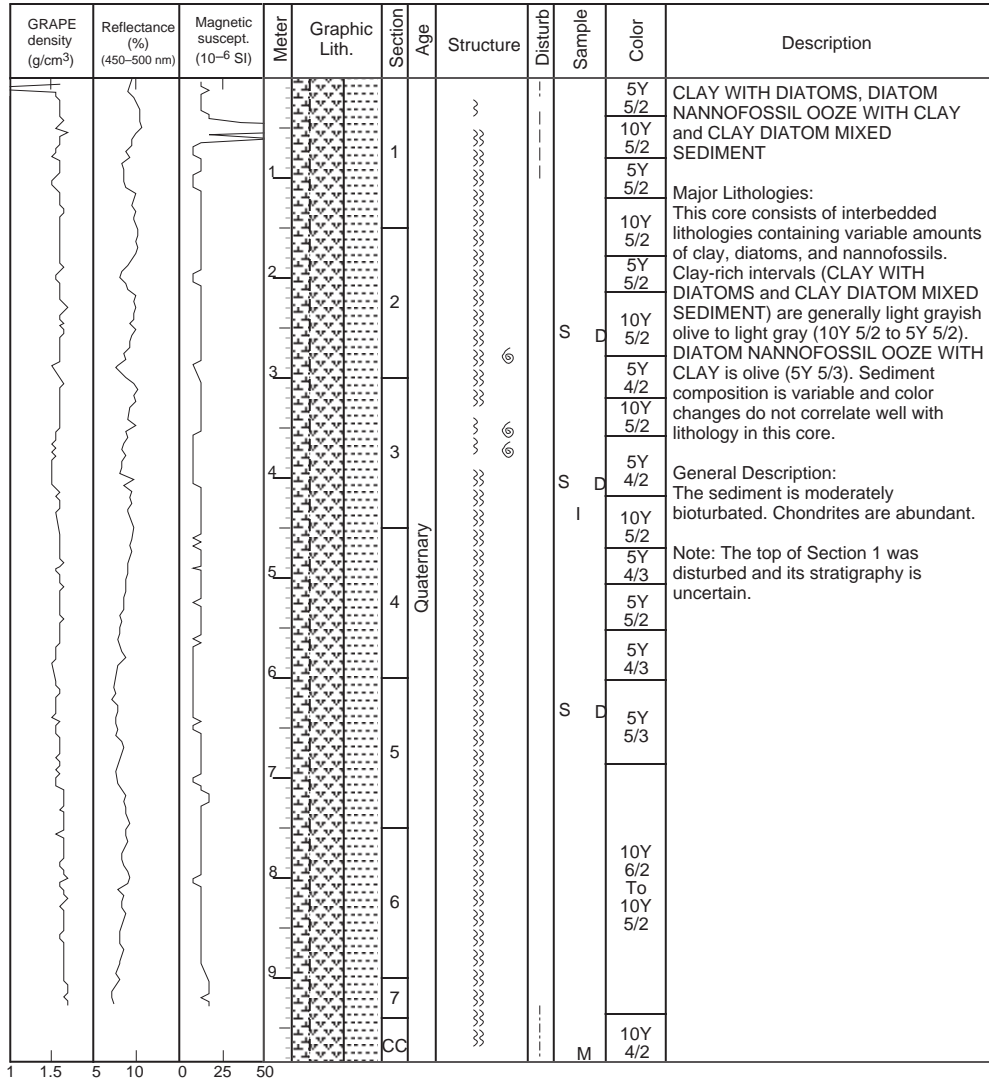


SITE 1018 HOLE A CORE 18X CORED 156.9 - 166.5 mbsf



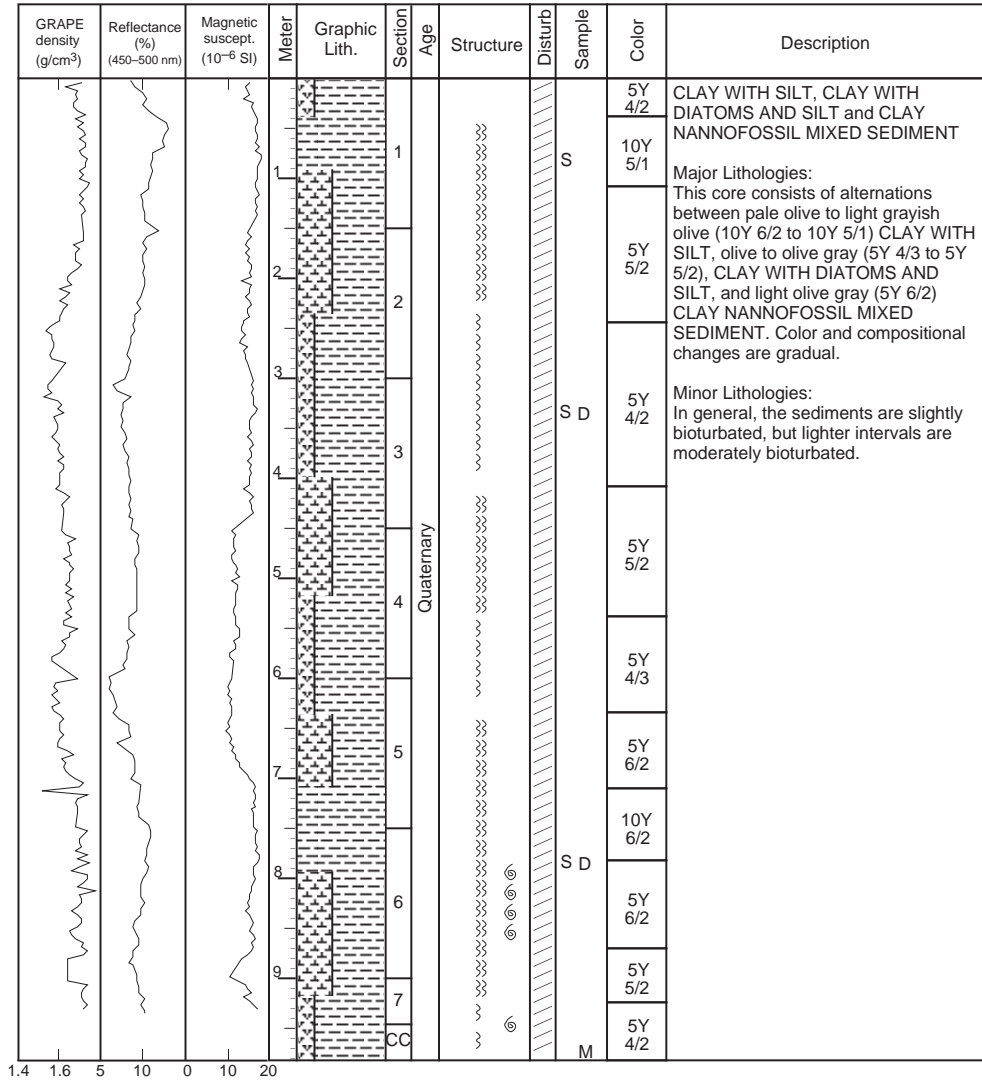
SITE 1018 HOLE A CORE 19X

CORED 166.5 - 176.1 mbsf

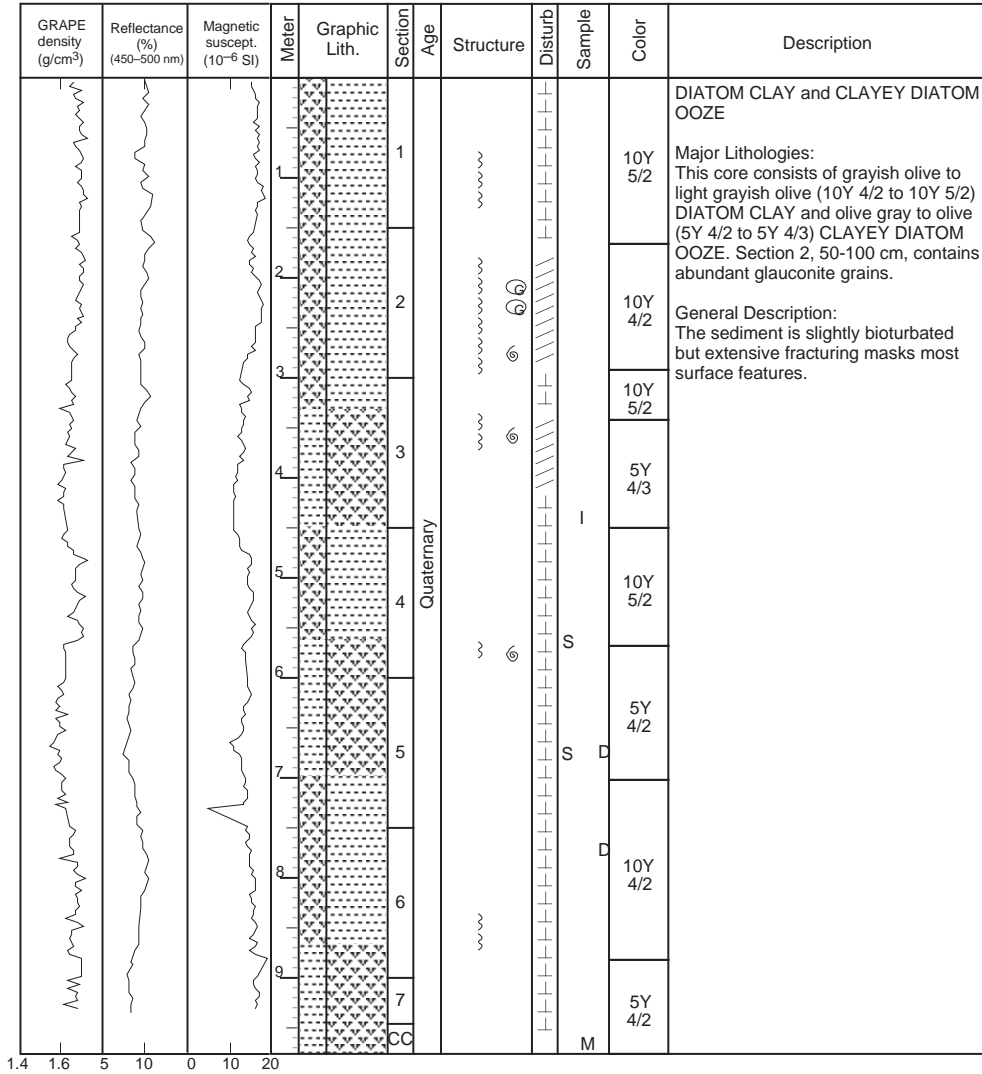


SITE 1018 HOLE A CORE 21X

CORED 185.7 - 195.3 mbsf

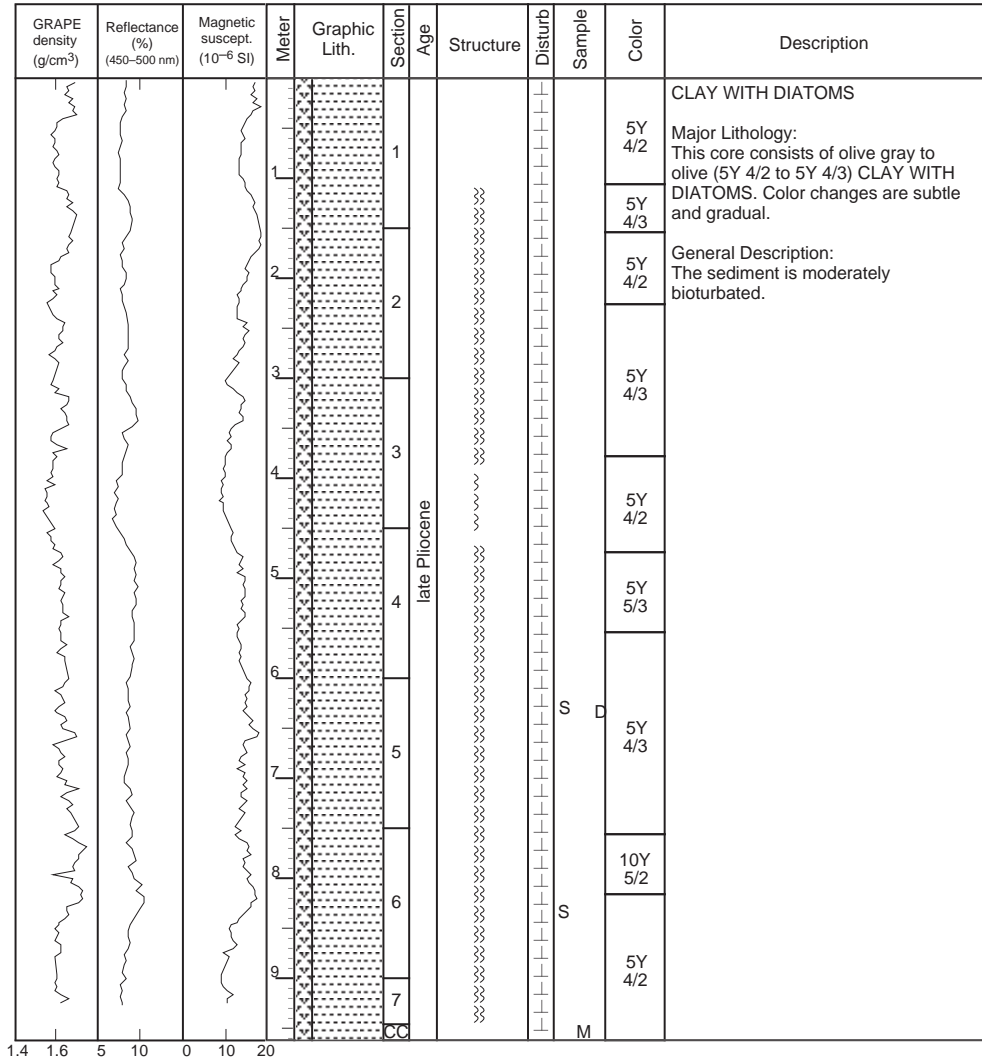


SITE 1018 HOLE A CORE 22X CORED 195.3 - 204.9 mbsf



SITE 1018 HOLE A CORE 23X

CORED 204.9 - 214.5 mbsf

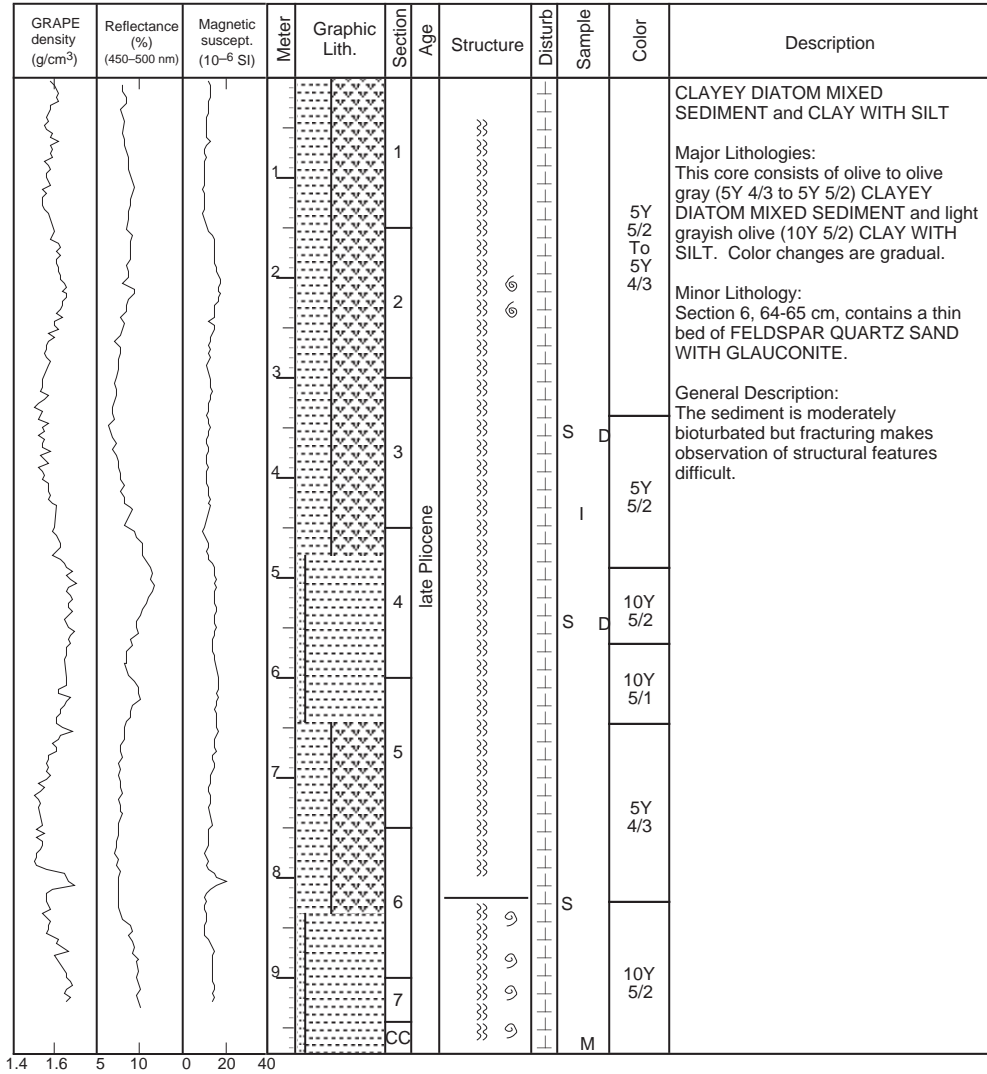


SITE 1018 HOLE A CORE 24X CORED 214.5 - 224.2 mbsf

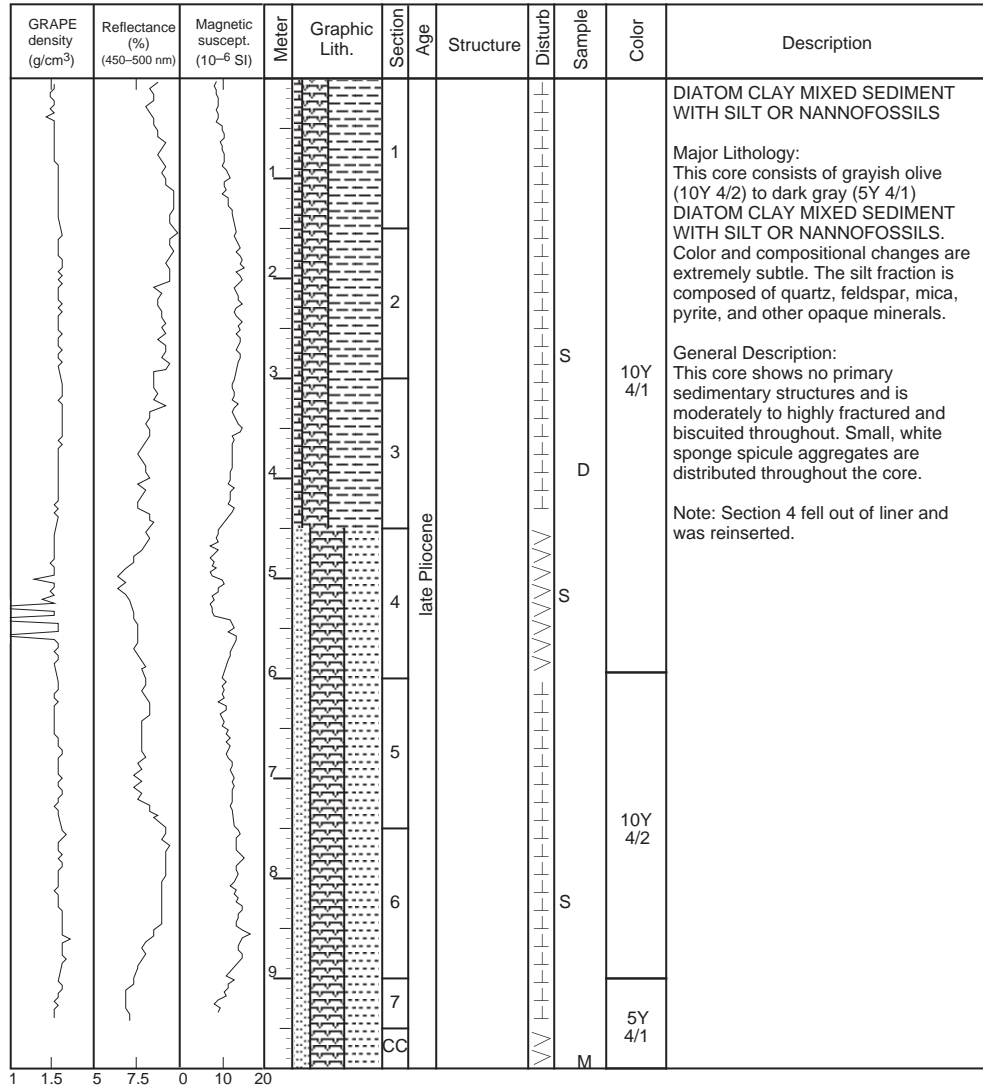
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description			
			1		1					10Y 5/2	<p>CLAY WITH SILT</p> <p>Major Lithology: This core consists of light grayish olive to olive (10Y 5/2 to 5Y 4/3) CLAY WITH SILT. Color changes are gradational. The silt fraction is composed mainly of quartz and feldspar.</p> <p>General Description: The sediments are slightly to moderately bioturbated but moderate fracturing masks most structural features.</p> <p>Note: Section 1, 0-50 cm, was disturbed during drilling operations and has uncertain stratigraphy.</p>			
			2									5Y 4/3		
			3										10Y 5/2	
			4										5Y 4/3	
			5					late Pliocene					10Y 5/2	
			6										5Y 4/3	
			7										10Y 5/2	
			8										S	5Y 4/3
			9										S	10Y 5/2
					CC				M					

SITE 1018 HOLE A CORE 25X

CORED 224.2 - 233.8 mbsf



SITE 1018 HOLE A CORE 26X CORED 233.8 - 243.5 mbsf



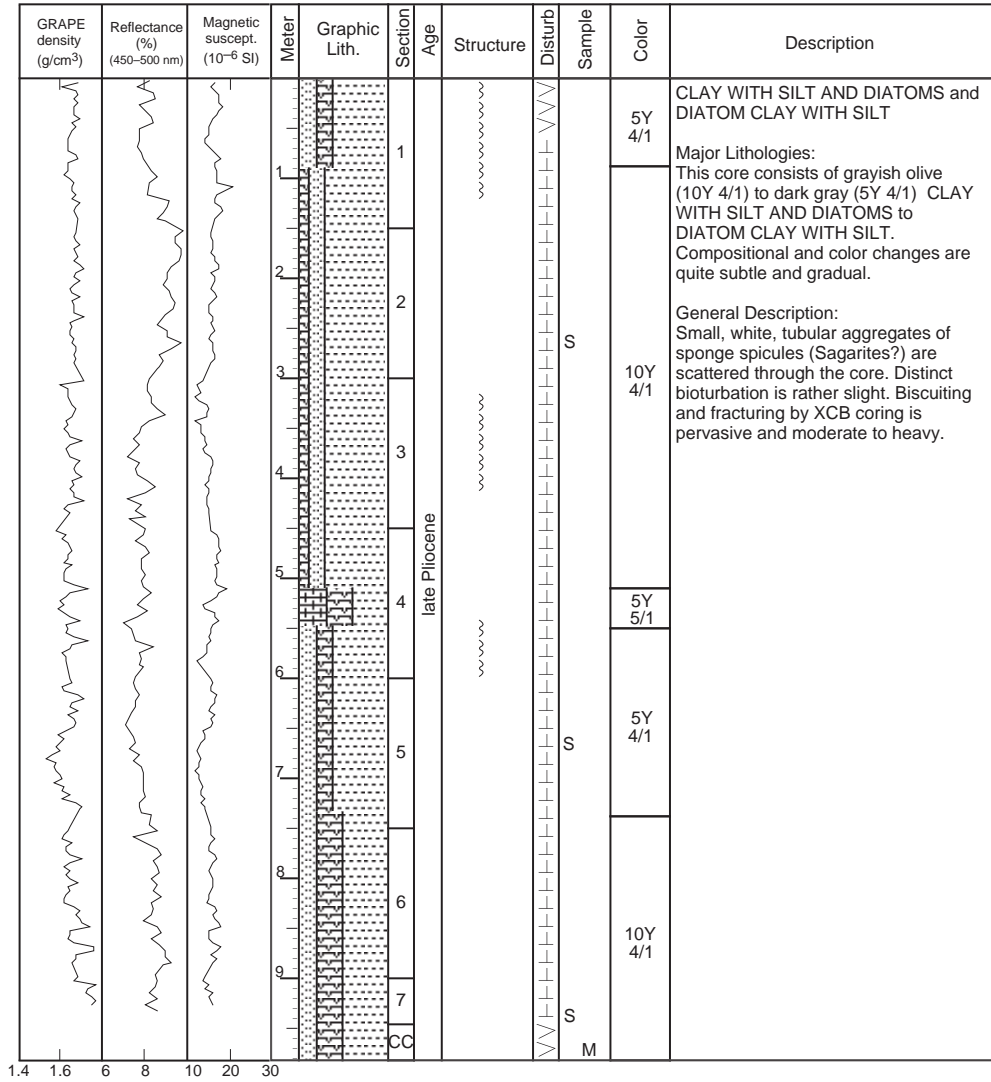
SITE 1018 HOLE A CORE 27X

CORED 243.5 - 253.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1		1	late Pliocene		○○○○		10Y 4/2	<p>DIATOM CLAY WITH SILT</p> <p>Major Lithology: This core consists of grayish olive (10Y 4/2) to dark gray (5Y 4/1) lumpy soup with the composition of DIATOM CLAY WITH SILT. No sedimentary features are preserved.</p> <p>General Description: Almost the entire core was disturbed by coring and turned to soup. Most material was lost and the remainder was curated with large voids in each section. Only Sections 7 and CC are in usable condition.</p>	
1	Void								
2		2					○○		10Y 4/2
2	Void								
3		3					○○○○○		10Y 4/2
3	Void								
4		4					○○○○○		10Y 4/2
4	Void								
5		5					○○○○○		10Y 4/2
5	Void								
6		6	○○○○○	10Y 4/2					
6	Void								
7		7	○○○○○	10Y 4/2					
7	Void								
8		8	○○○○○○○	5Y 4/1					
8	Void								
9		9	○○○○○○○						
9	Void		S						
		CC			M				

SITE 1018 HOLE A CORE 29X

CORED 262.5 - 272.2 mbsf



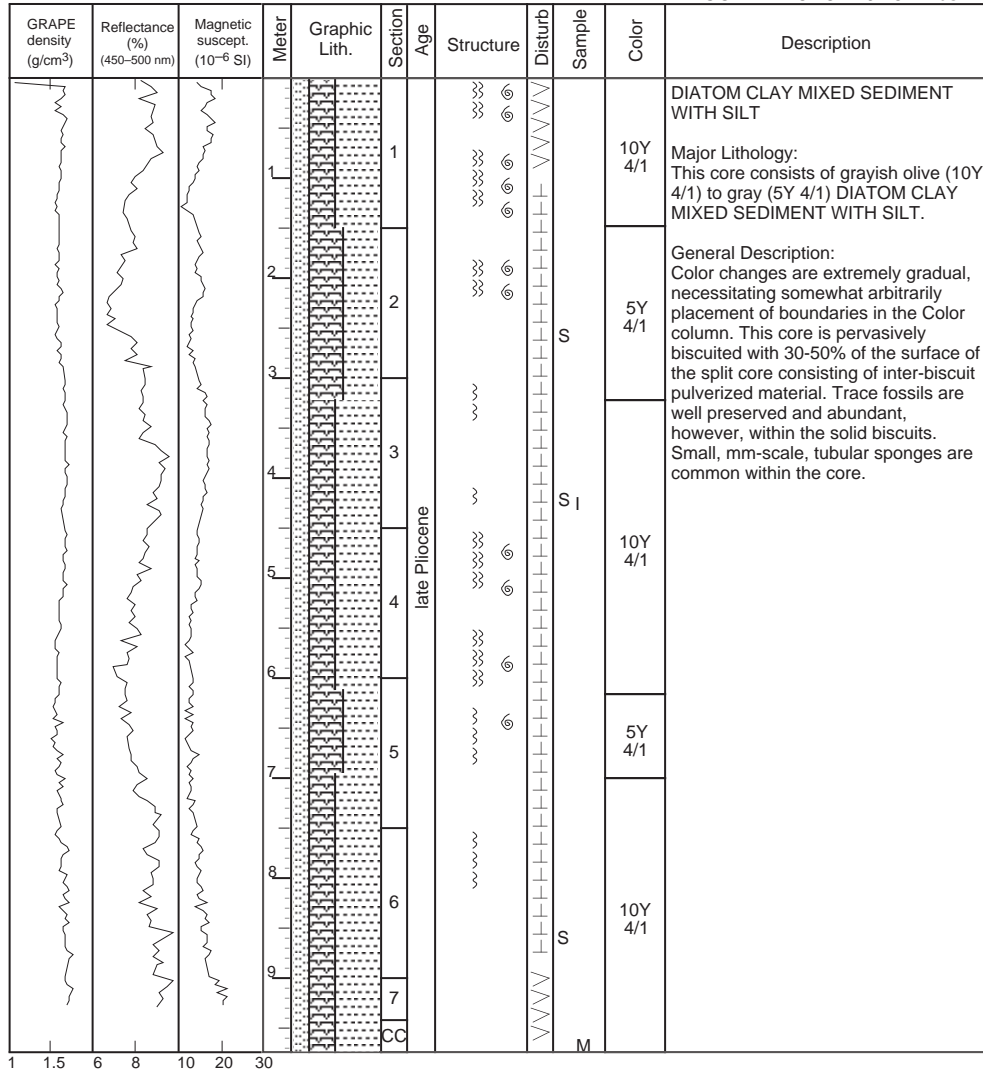
SITE 1018 HOLE A CORE 30X CORED 272.2 - 281.8 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1	late Pliocene			S S S S S S S	5Y 3/2 To 5Y 4/1	<p>CLAY SILT DIATOM MIXED SEDIMENT</p> <p>Major Lithology: This core consists of dark olive gray (5Y 3/2) to light grayish olive (10Y 5/1) CLAY SILT DIATOM MIXED SEDIMENT. Subtle color changes result from mostly minor variation in composition.</p> <p>Minor Lithology: A lamination of greenish gray (5BG 5/1) CLAY is present near the base of Section 2. It is probably an alteration product of a VOLCANIC ASH deposit.</p> <p>General Description: This core is moderately to severely disturbed by pervasive biscuiting. Almost no primary sedimentary structures are detectable.</p>
			2		10Y 5/1						
			3		5Y 4/1						
			4								
			5		10Y 4/1						
			6								
			7		5Y 4/1						
7											
CC		M									

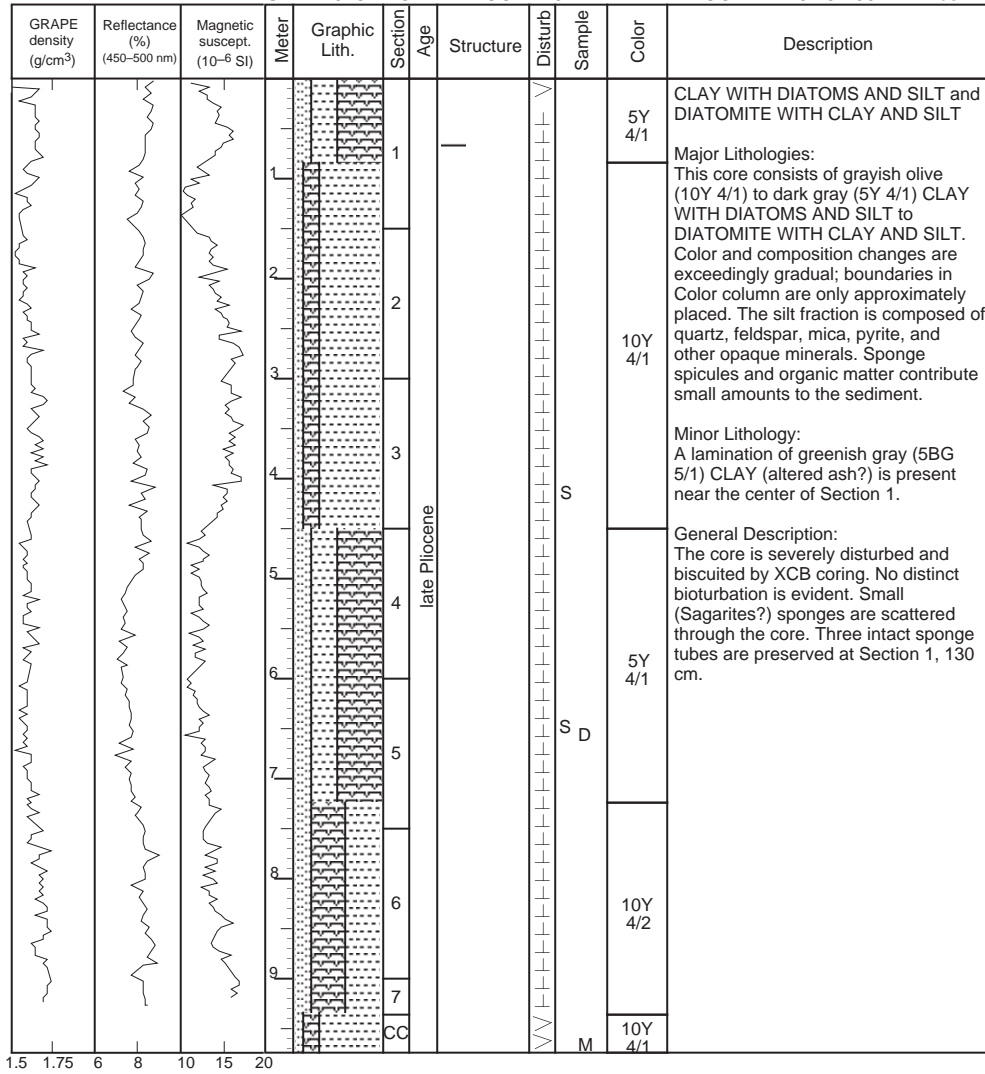
1.4 1.6 5 10 10 15 20

SITE 1018 HOLE A CORE 31X

CORED 281.8 - 291.5 mbsf

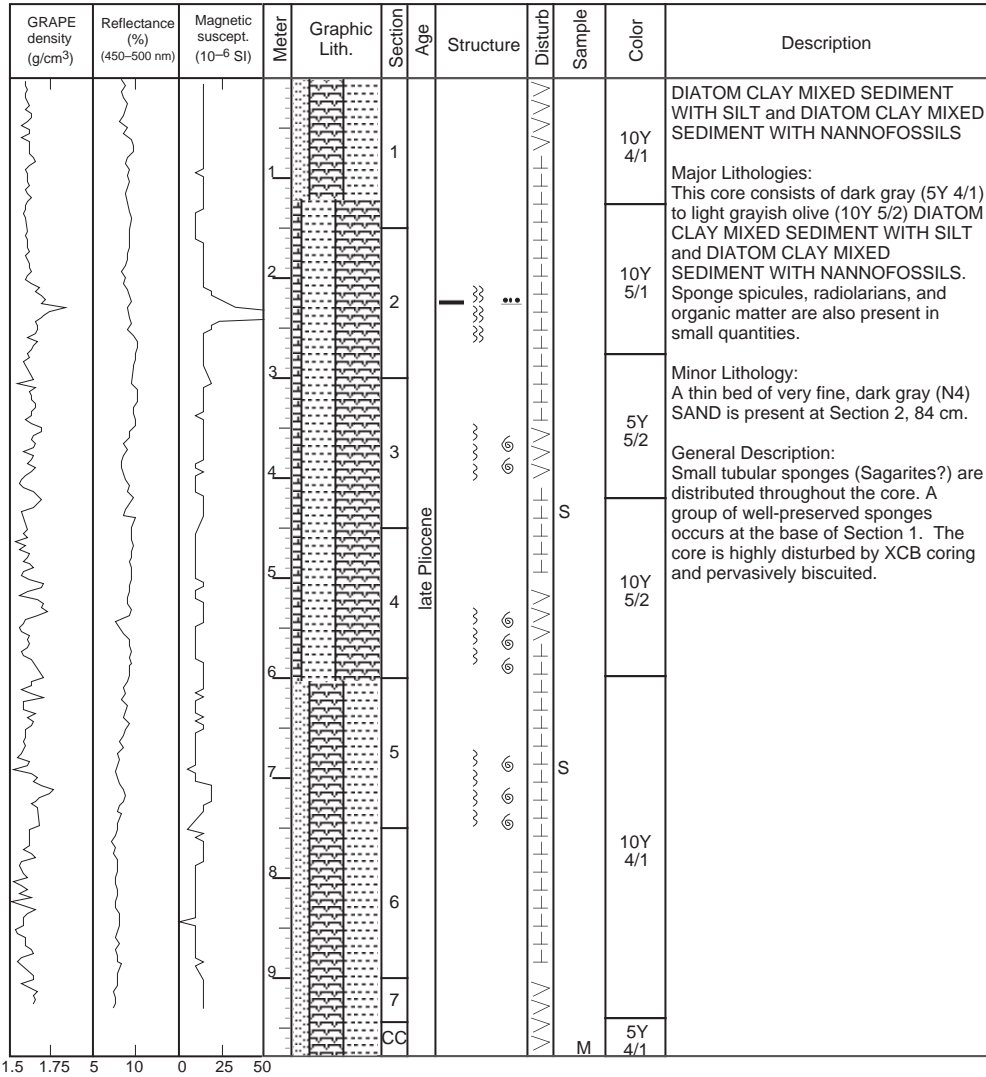


SITE 1018 HOLE A CORE 32X CORED 291.5 - 301.1 mbsf

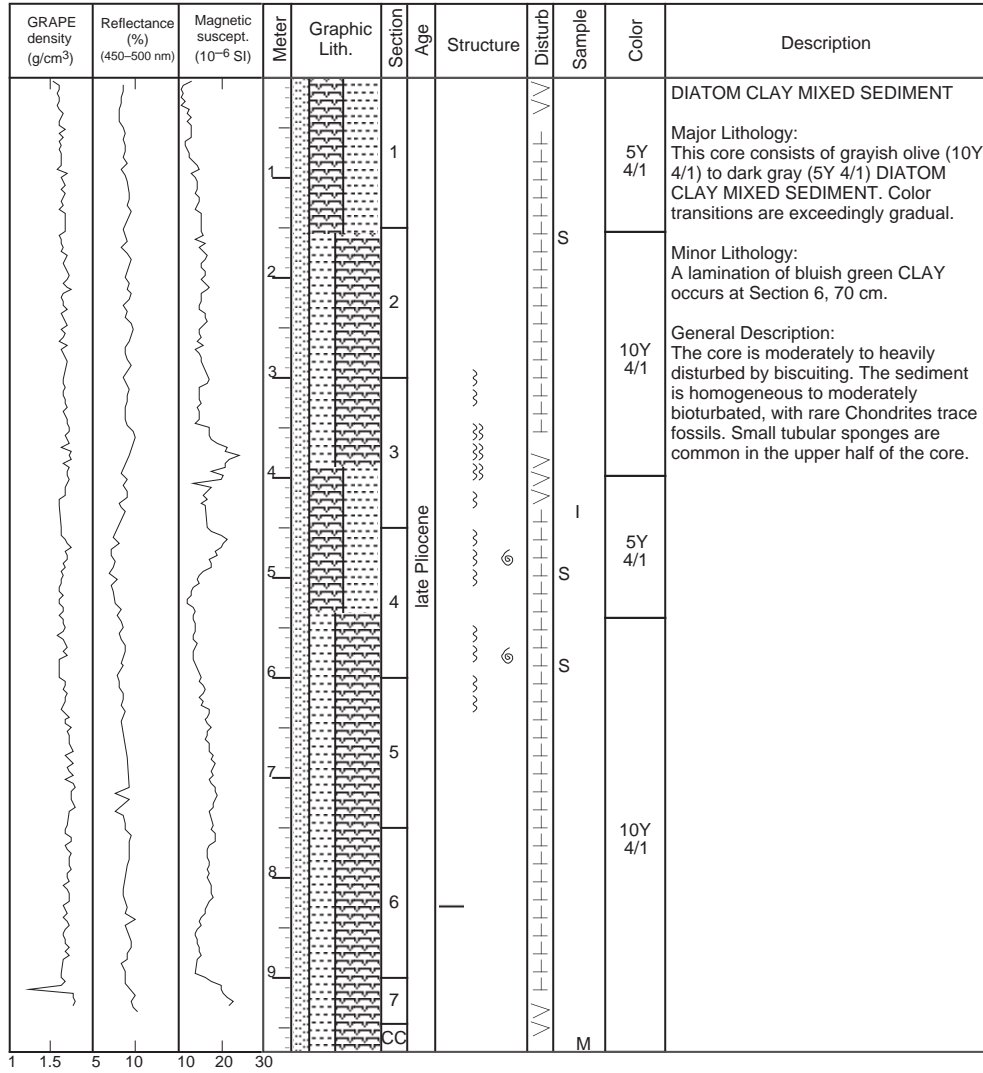


SITE 1018 HOLE A CORE 33X

CORED 301.1 - 310.7 mbsf

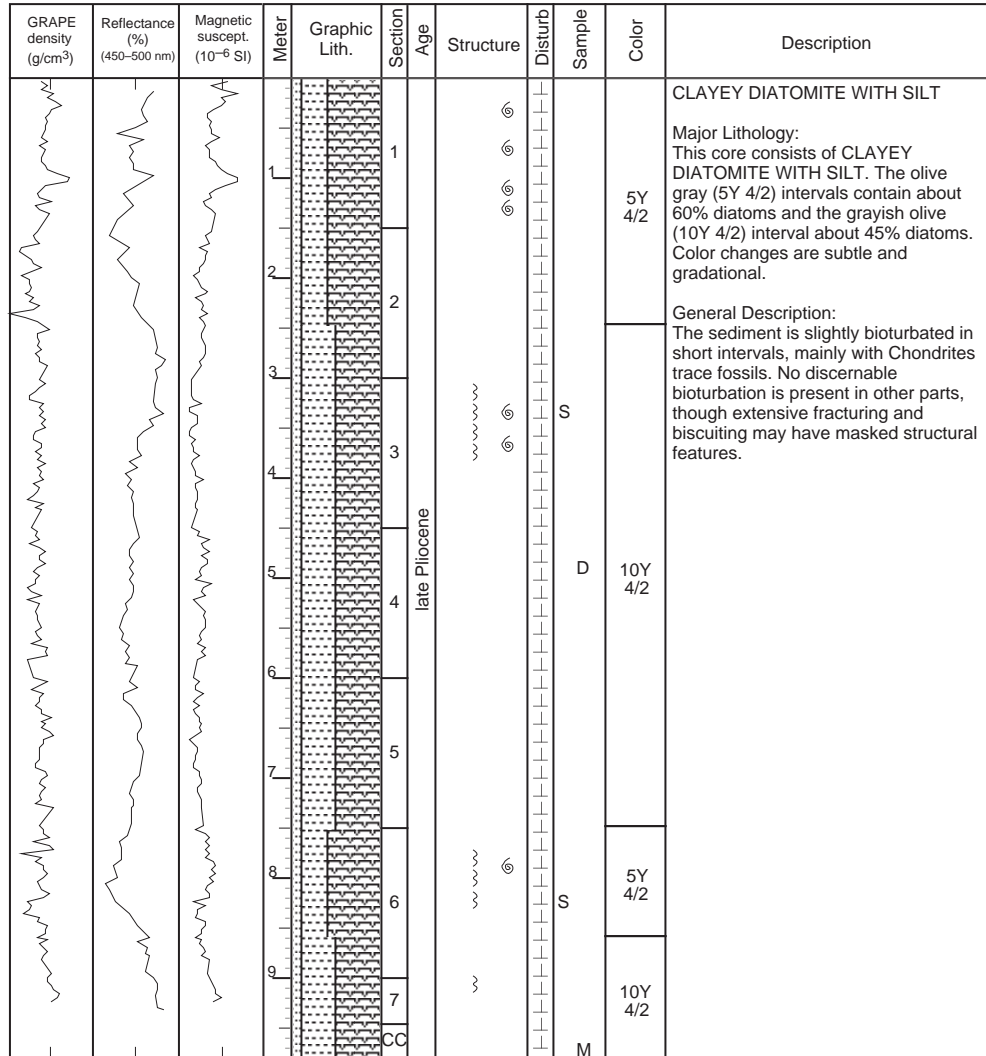


SITE 1018 HOLE A CORE 34X CORED 310.7 - 320.3 mbsf



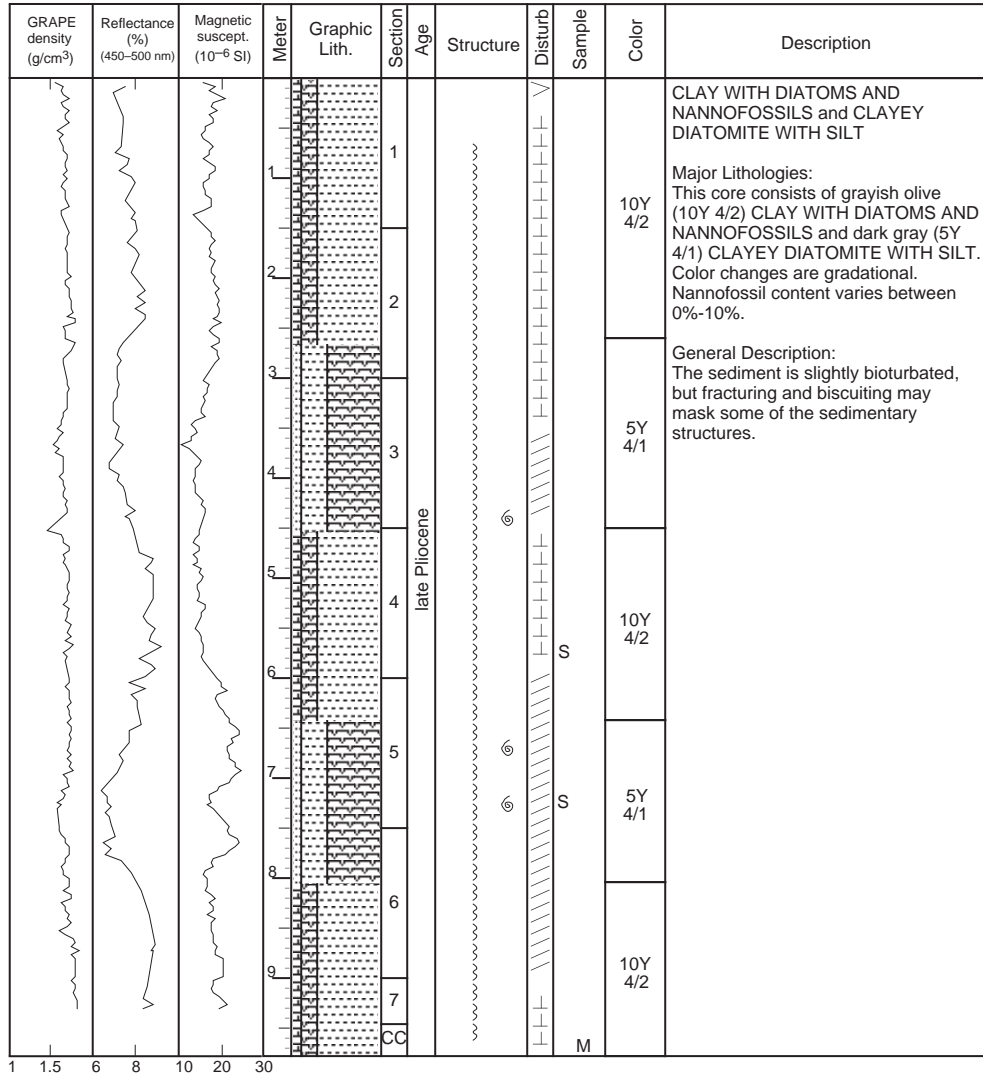
SITE 1018 HOLE A CORE 35X

CORED 320.3 - 330.0 mbsf

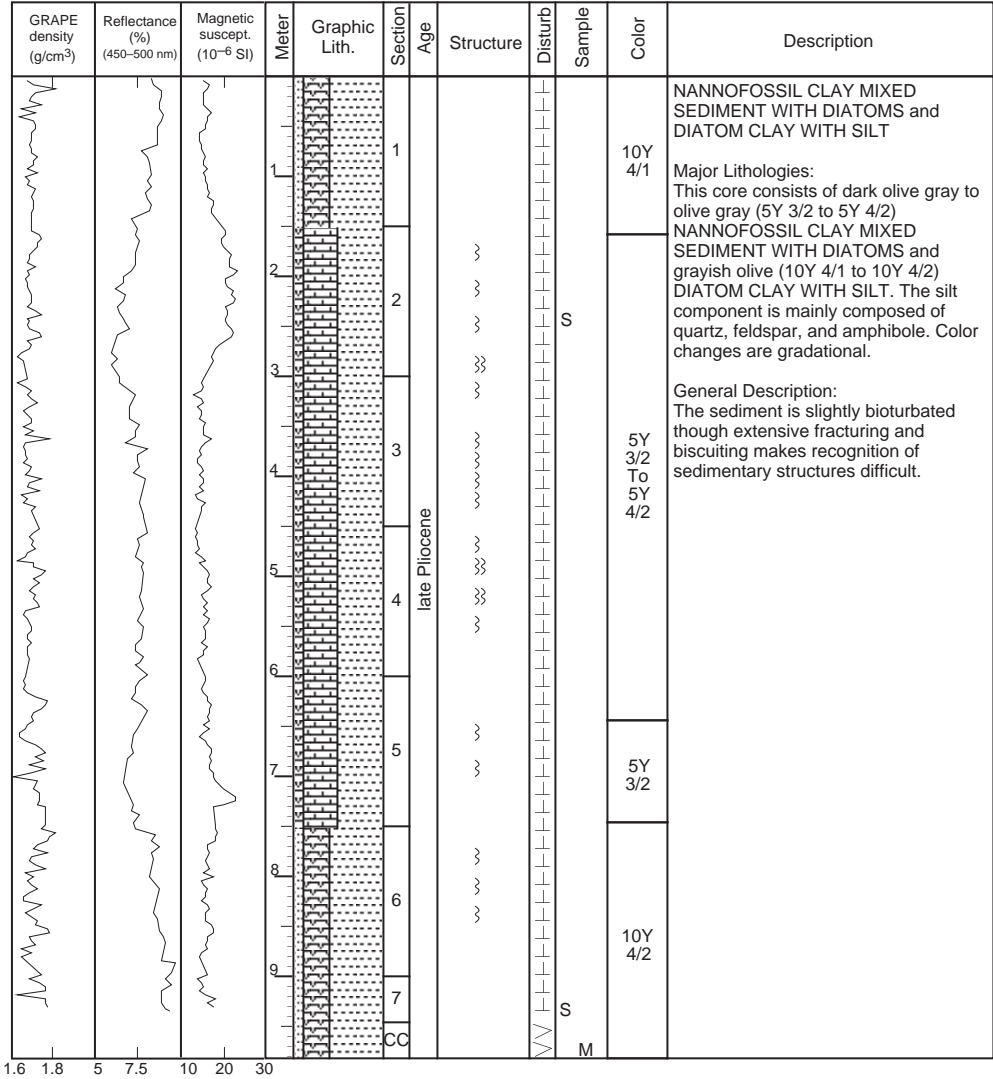


1.5 1.75 6 8 10 20 30

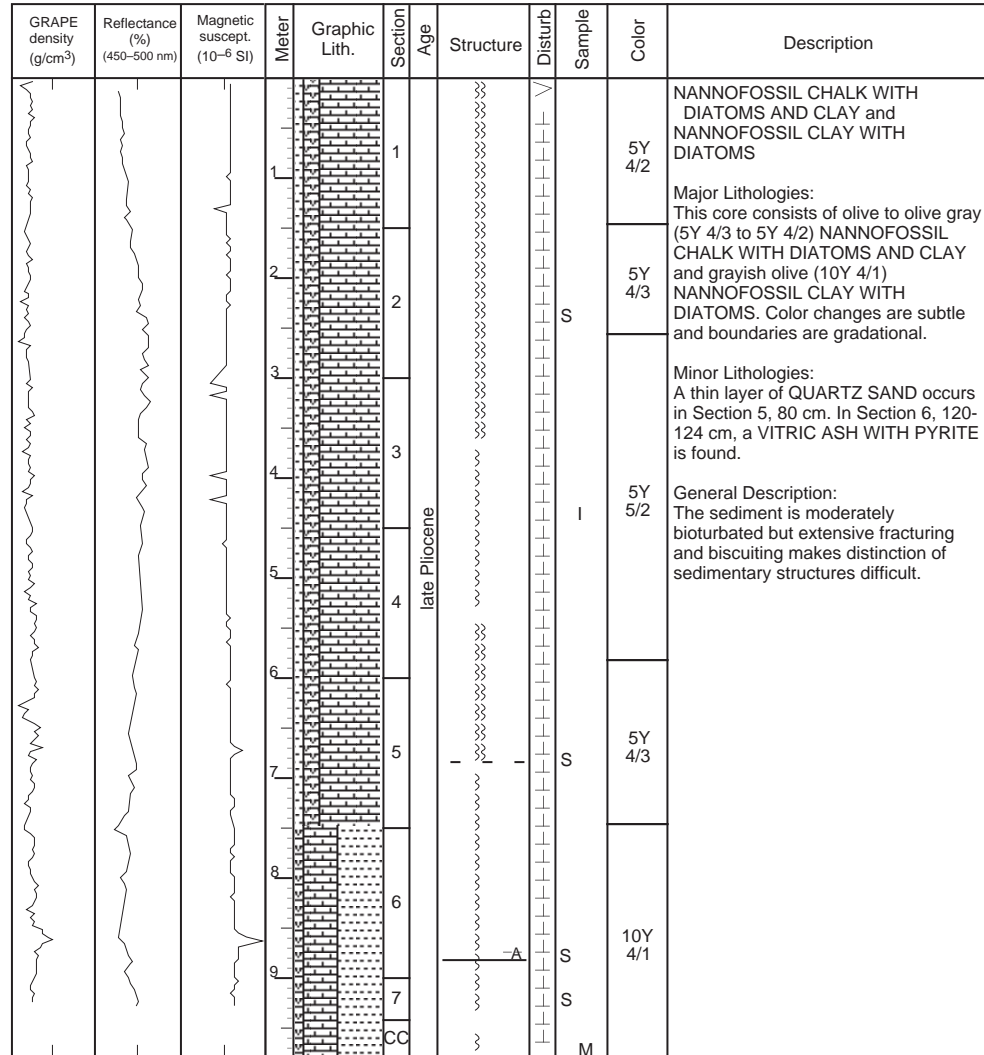
SITE 1018 HOLE A CORE 36X CORED 330.0 - 339.7 mbsf



SITE 1018 HOLE A CORE 38X CORED 349.4 - 359.0 mbsf



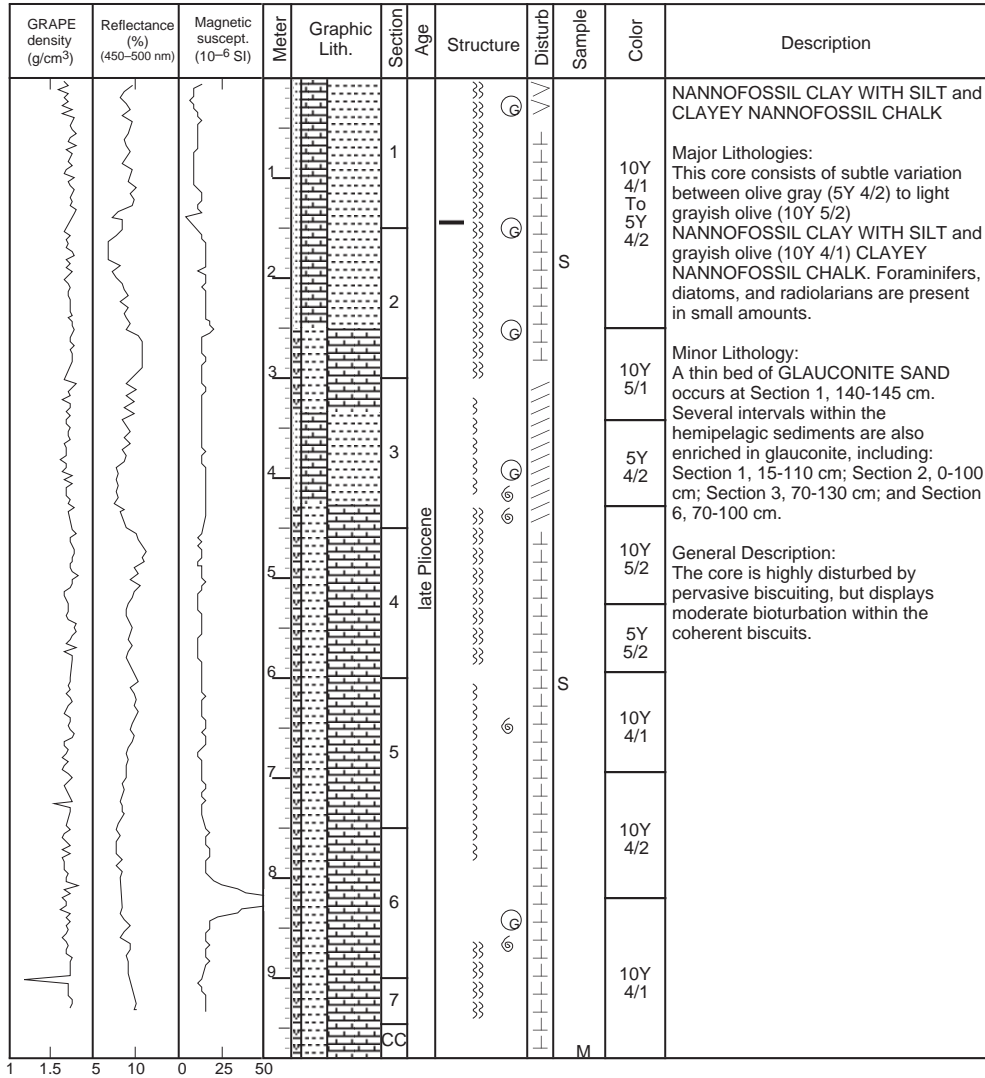
SITE 1018 HOLE A CORE 40X CORED 368.7 - 378.3 mbsf



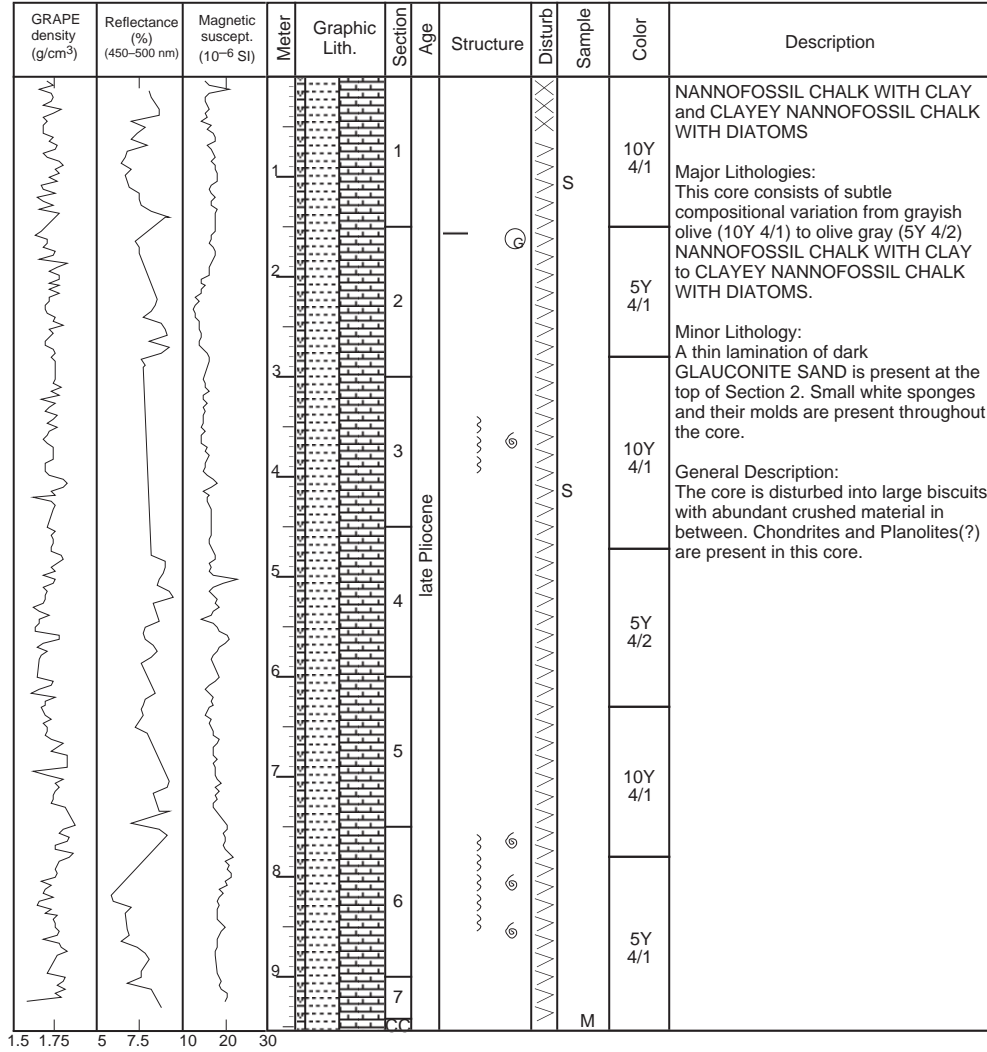
1.5 2 5 10 -50 0 50

SITE 1018 HOLE A CORE 41X

CORED 378.3 - 387.9 mbsf

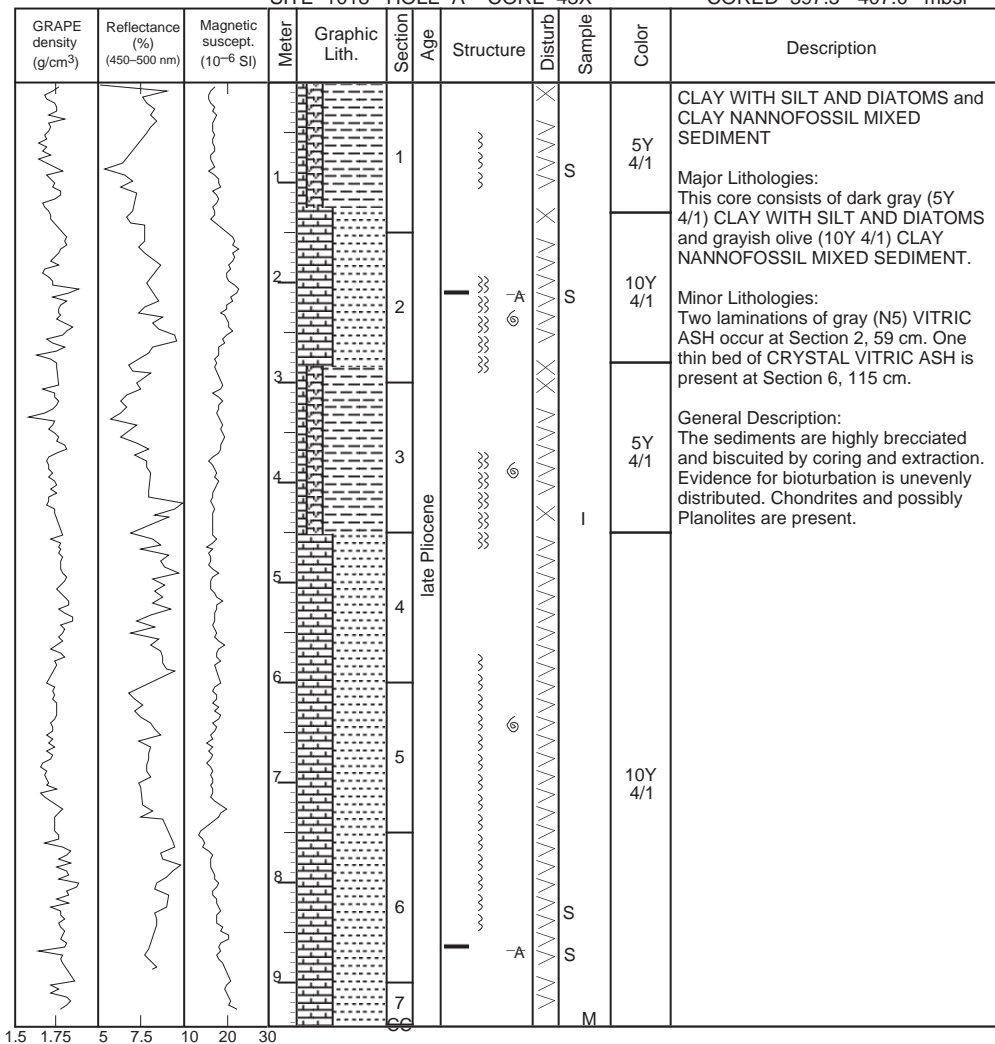


SITE 1018 HOLE A CORE 42X CORED 387.9 - 397.5 mbsf

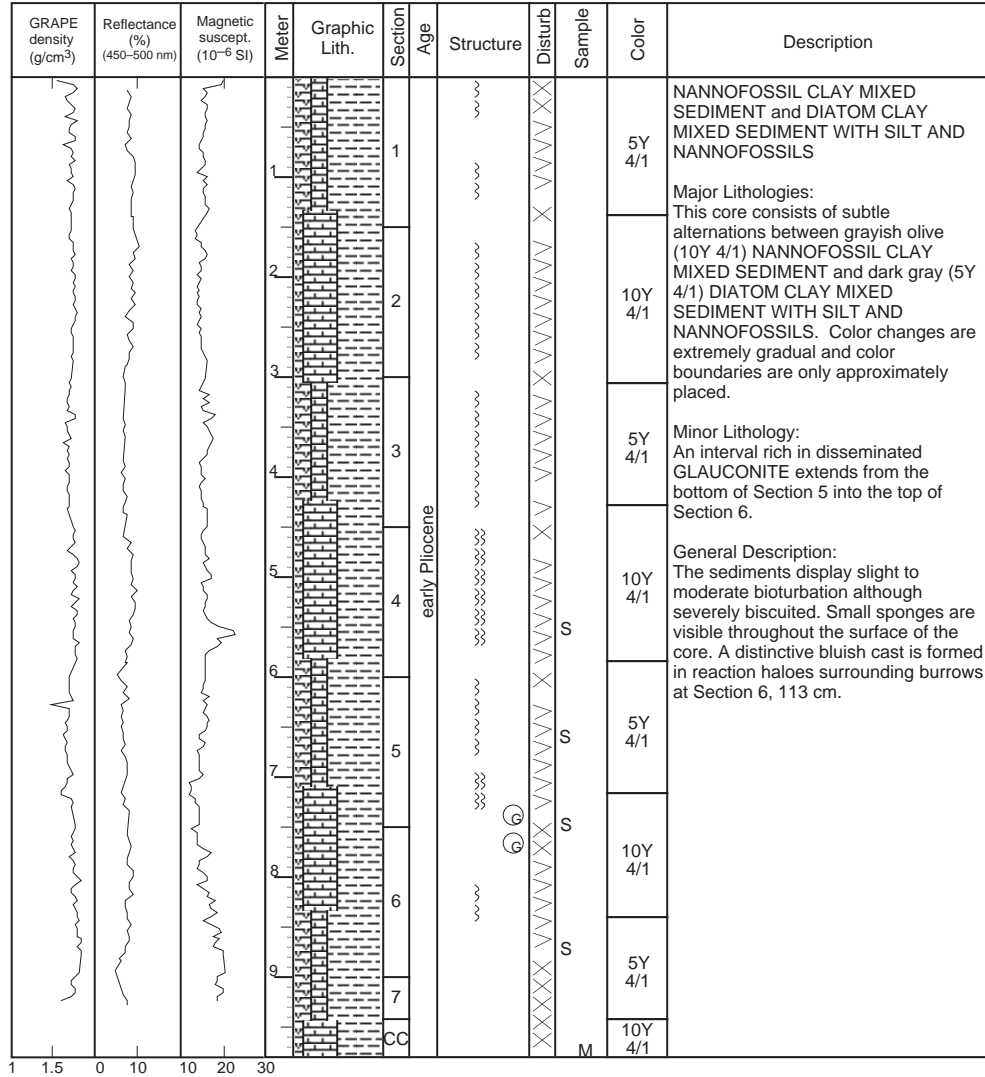


SITE 1018 HOLE A CORE 43X

CORED 397.5 - 407.0 mbsf

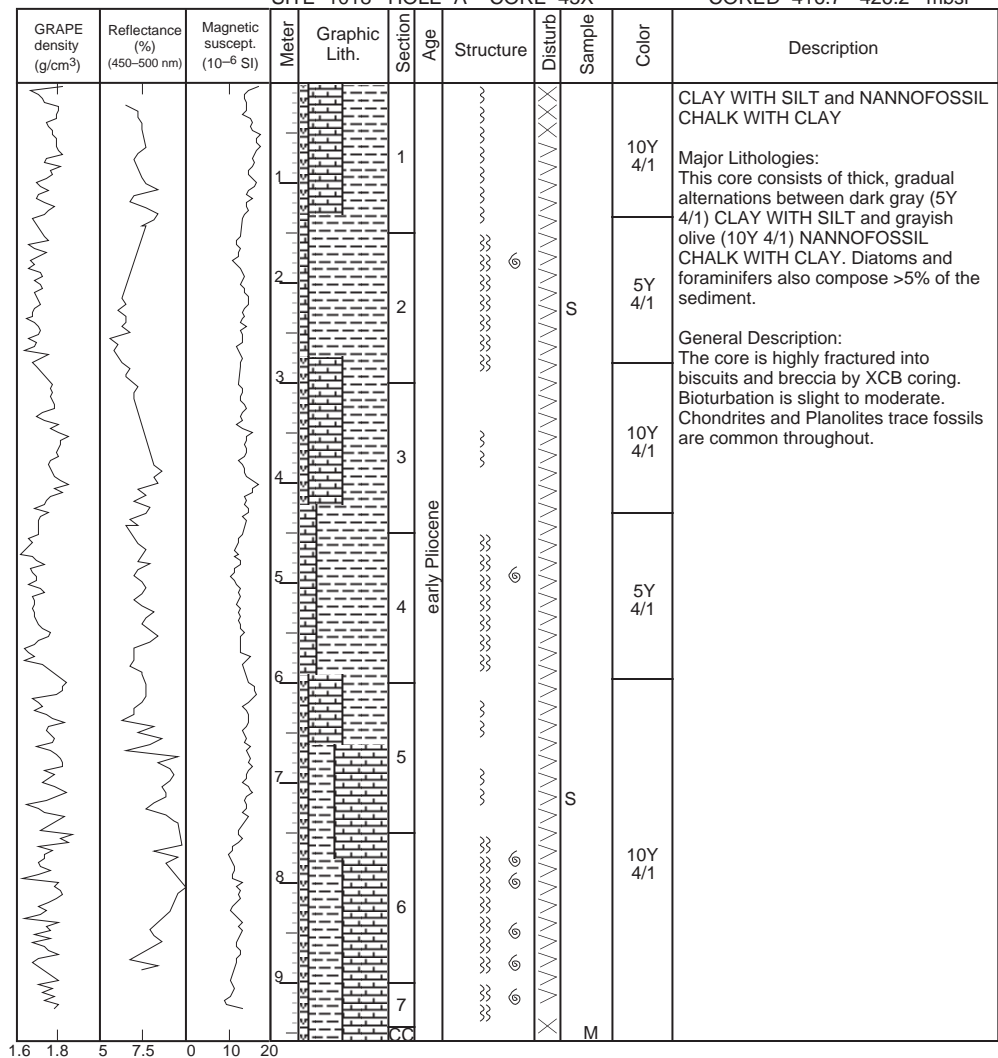


SITE 1018 HOLE A CORE 44X CORED 407.0 - 416.7 mbsf

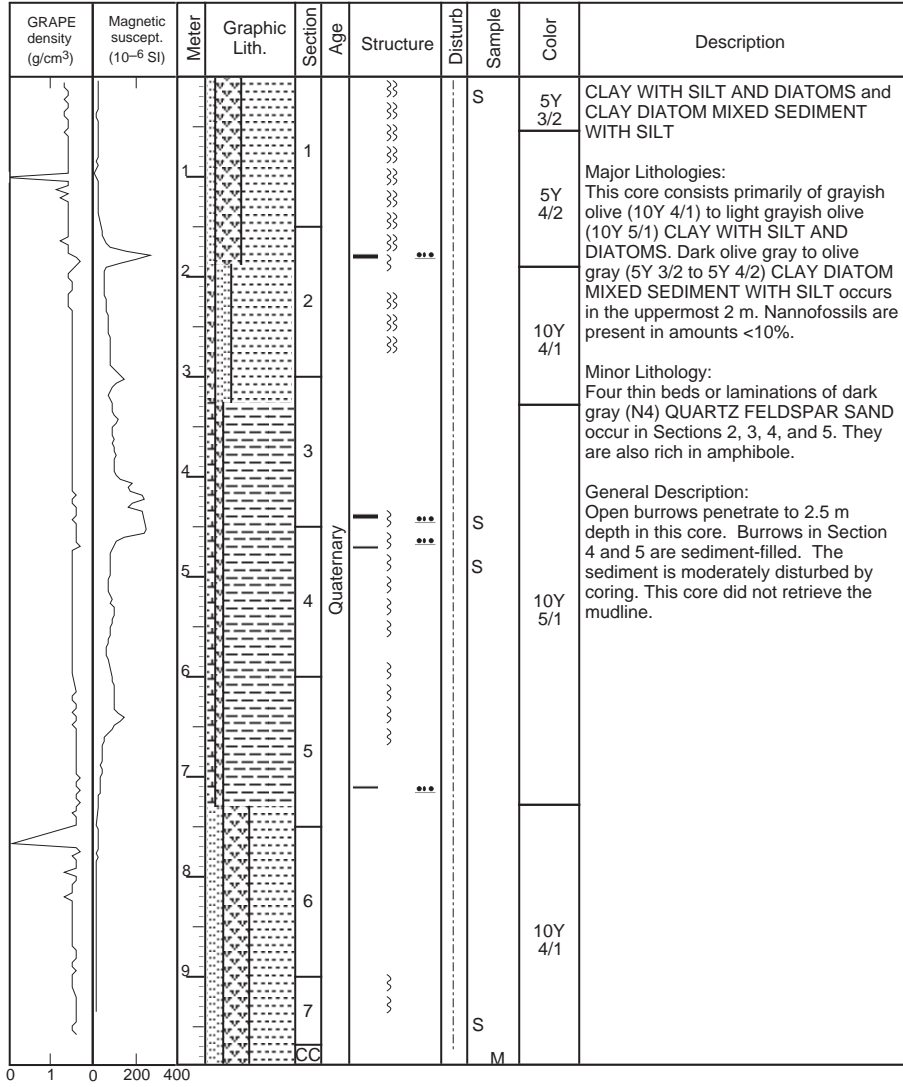


SITE 1018 HOLE A CORE 45X

CORED 416.7 - 426.2 mbsf



SITE 1018 HOLE B CORE 1H CORED 0.0 - 9.7 mbsf



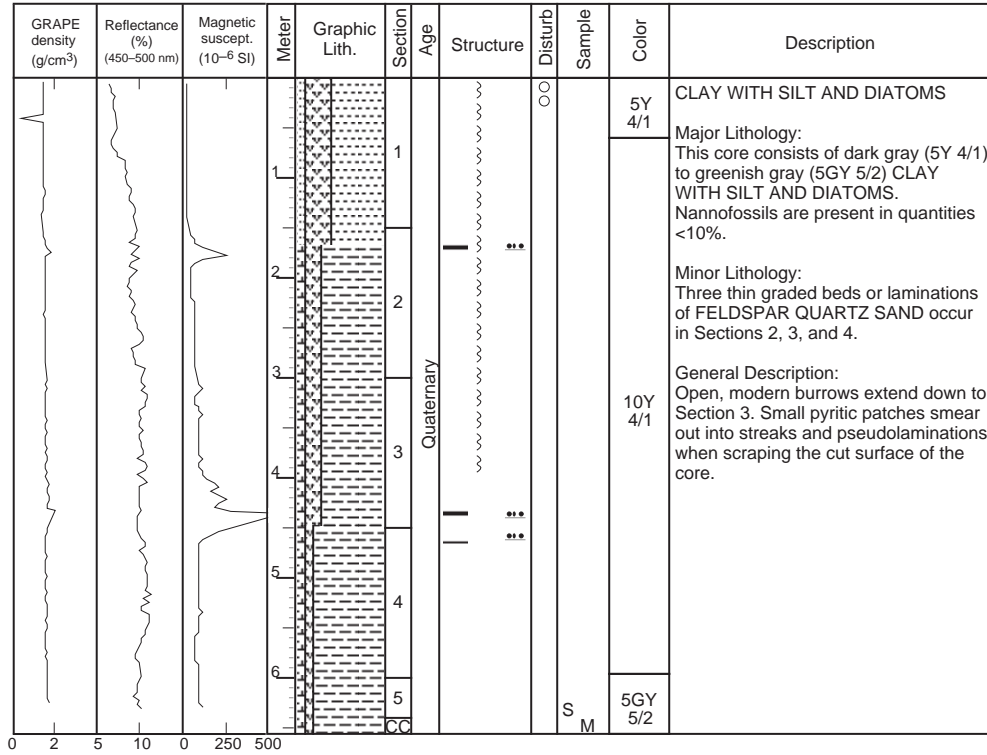
SITE 1018 HOLE B CORE 2H

CORED 9.7 - 19.2 mbsf

GRAPE density (g/cm ³)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
		1		1				10Y 5/1	<p>CLAY WITH DIATOMS AND SILT</p> <p>Major Lithology: This core consists of grayish olive (10Y 4/1) to greenish gray (5GY 5/2) CLAY WITH DIATOMS AND SILT. Macroscopic sponge spicule aggregates and individual spicules are distributed throughout.</p> <p>General Description: The sediments in this core are mostly homogeneous, without evidence of burrows.</p>
		2		2				10Y 4/1	
		3		3				5GY 5/2	
		4		4				10Y 5/1	
		5		5				10Y 4/1	
		6		6				5Y 4/2	
		7		7					
		8		8					
		9		9					
		CC							

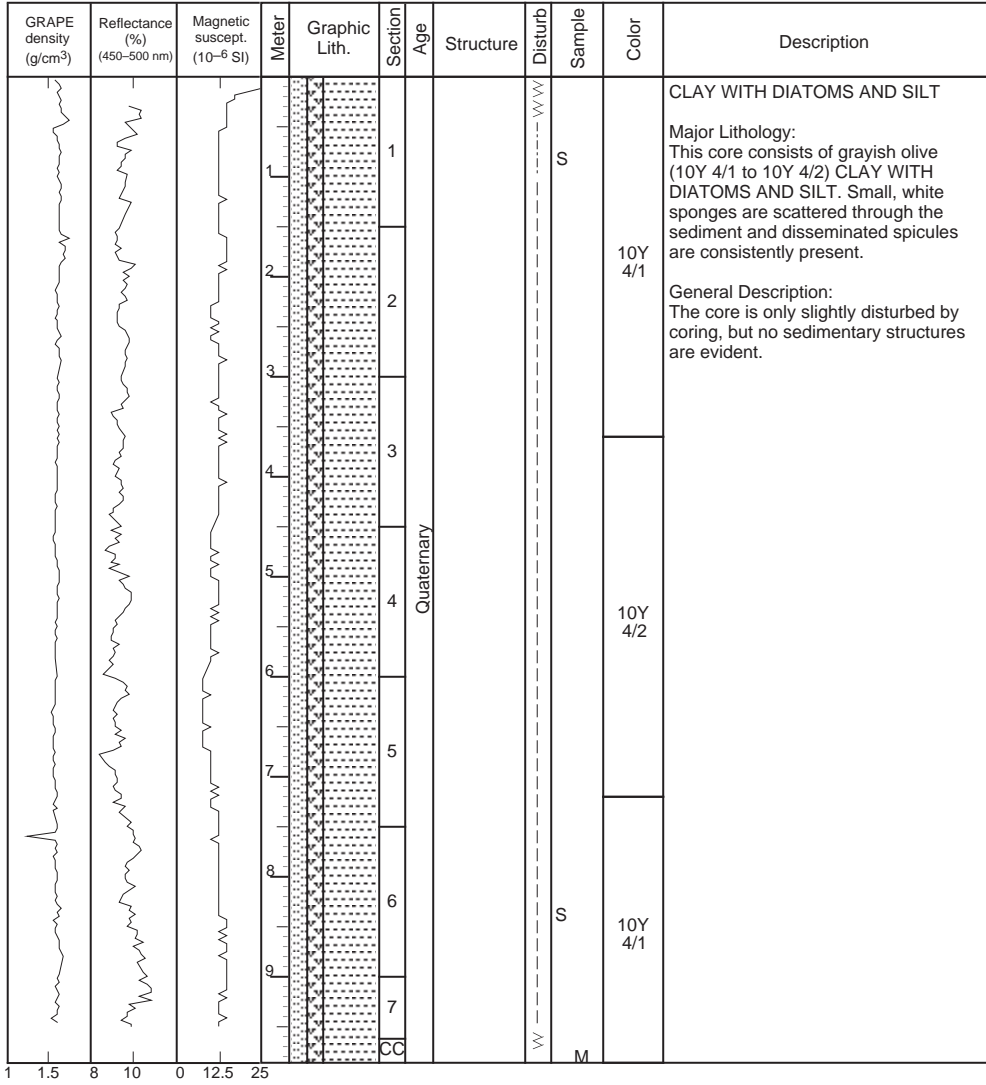
1.4 1.6 0 10 20

SITE 1018 HOLE C CORE 1H CORED 0.0 - 6.5 mbsf



SITE 1018 HOLE C CORE 2H

CORED 6.5 - 16.0 mbsf



SITE 1018 HOLE C CORE 3H CORED 16.0 - 25.5 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1 1.5 5 10 0 10 20			1		1		}}			10Y 5/2	DIATOM CLAY WITH SILT and NANNOFOSSIL CLAY	
			1		1		}}			5Y 5/2	Major Lithologies: This core consists of gradual alternations between pale olive to grayish olive (10Y 6/2 to 10Y 5/2) NANNOFOSSIL CLAY and olive gray (5Y 5/2 to 5Y 4/2) DIATOM CLAY WITH SILT.	
			2		2		}}	⊗		10Y 5/2		
			2		2		}}		}}		5Y 4/2	General Description: The NANNOFOSSIL CLAY is moderately bioturbated and the DIATOM CLAY WITH SILT is slightly bioturbated with abundant Chondrites trace fossils.
			3		3		}}	⊗		10Y 5/2		
			3		3		}}		}}		5Y 5/3	D
			4		4		}}		}}		10Y 5/2	
			4		4		}}		}}		5Y 4/2	S
			5		5	Quaternary	}}		}}		5Y 5/2	
			5		5		}}		}}		10Y 5/2	S
			6		6		}}		}}		5Y 5/2	
			6		6		}}		}}		10Y 5/2	S
7		7		}}		}}		5Y 4/2				
7		7		}}		}}		10Y 5/2	S			
8		8		}}		}}		5Y 4/2				
8		8		}}		}}		10Y 6/2 To 10Y 5/2	S			
9		9		}}		}}		5Y 5/3				
					CC				M			

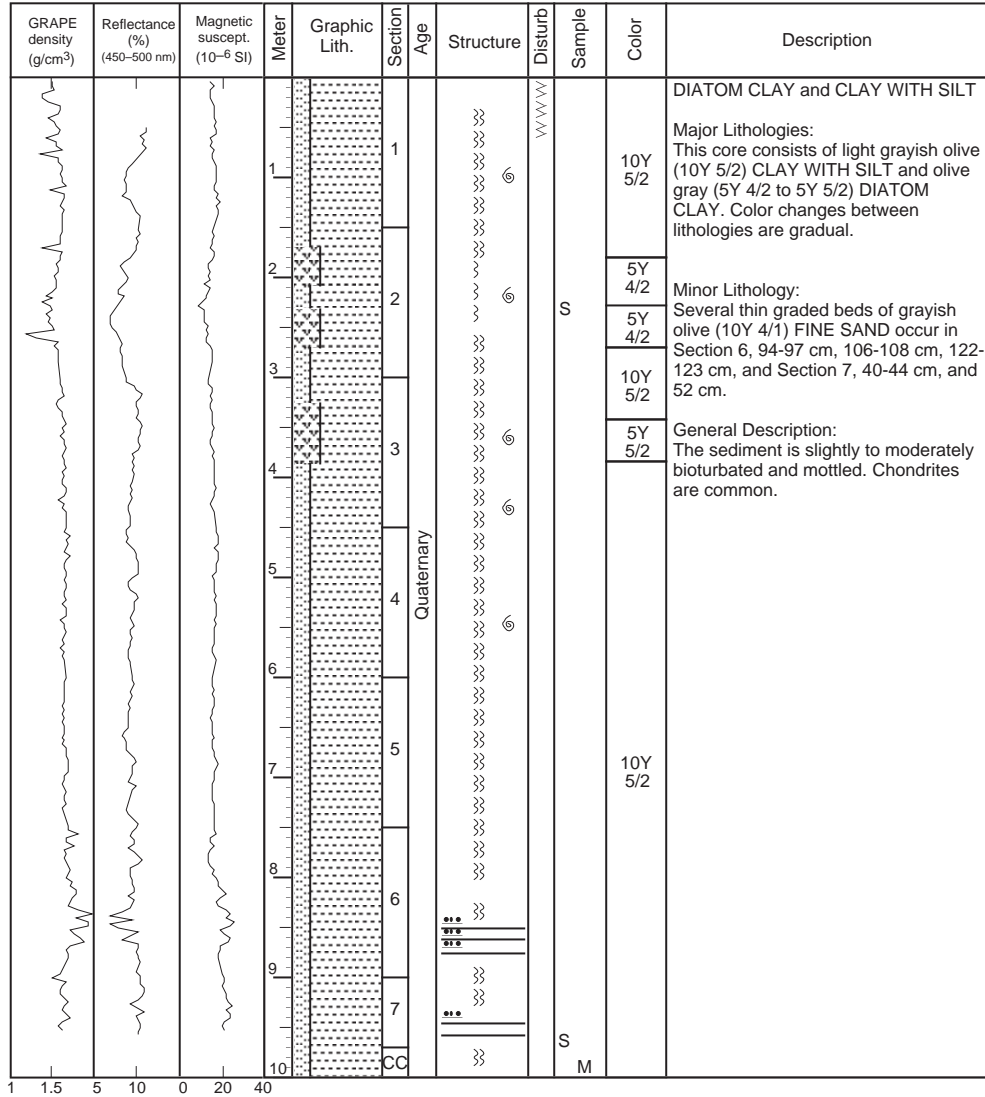
SITE 1018 HOLE C CORE 4H

CORED 25.5 - 35.0 mbsf

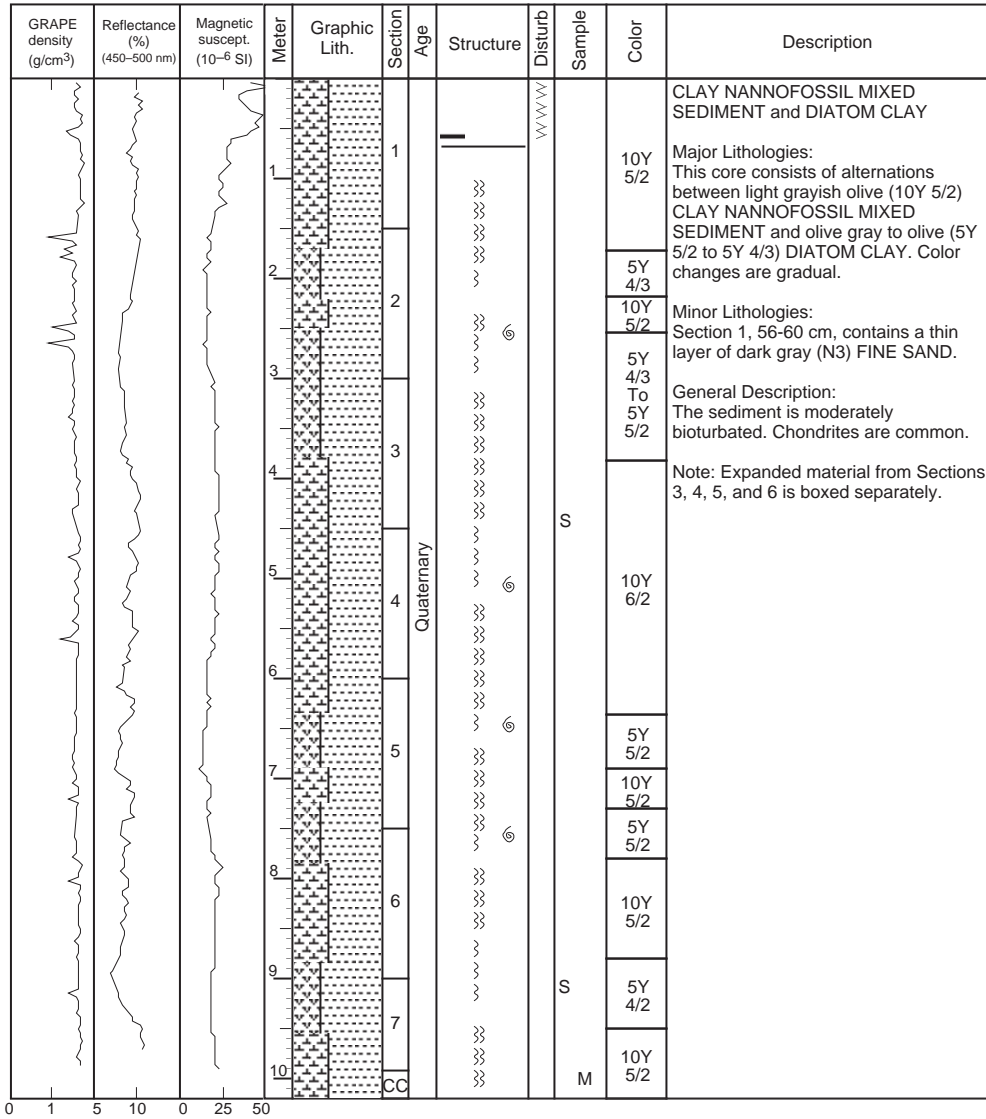
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1		}}				<p>CLAY WITH NANNOFOSSILS AND SILT and DIATOM CLAY WITH SILT</p> <p>Major Lithologies: This core consists of pale olive to light grayish olive (10Y 6/2 to 10Y 5/2) CLAY WITH NANNOFOSSILS AND SILT and grayish olive (5Y 5/2 to 5Y 4/2) DIATOM CLAY WITH SILT. Color and compositional changes are subtle and gradual.</p> <p>General Description: The sediment is moderately bioturbated and shows decimeter-scale cyclicity of Chondrites.</p> <p>Note: Expanded material from Sections 1, 2, and 7 is boxed separately.</p>
			2		2		}}	⊗		10Y 6/2	
			3		3		}}				
			4		3		}}	⊗			
			5		4	Quaternary	}}				
			6		4		}}	⊗	S	10Y 6/2 To 10Y 5/2	
			7		5		}}	⊗			
			8		6		}}	⊗	S	5Y 5/2	
			9		6		}}	⊗		10Y 5/2	
			10		7		}}	⊗		10Y 4/2	
					CC				M		

SITE 1018 HOLE C CORE 6H

CORED 44.5 - 54.0 mbsf

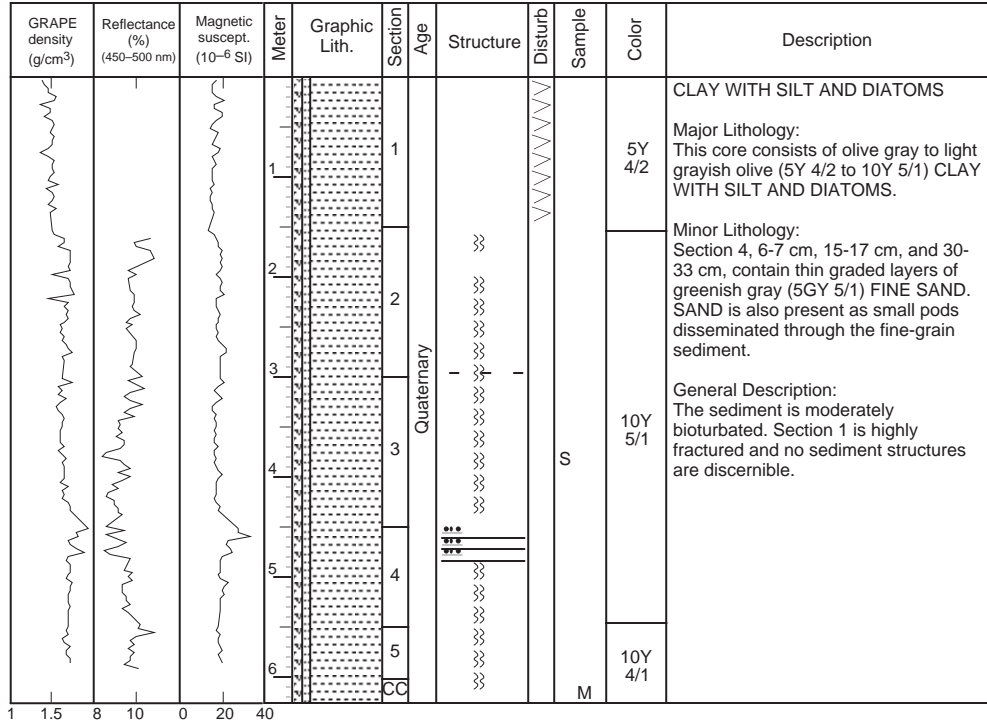


SITE 1018 HOLE C CORE 7H CORED 54.0 - 63.5 mbsf



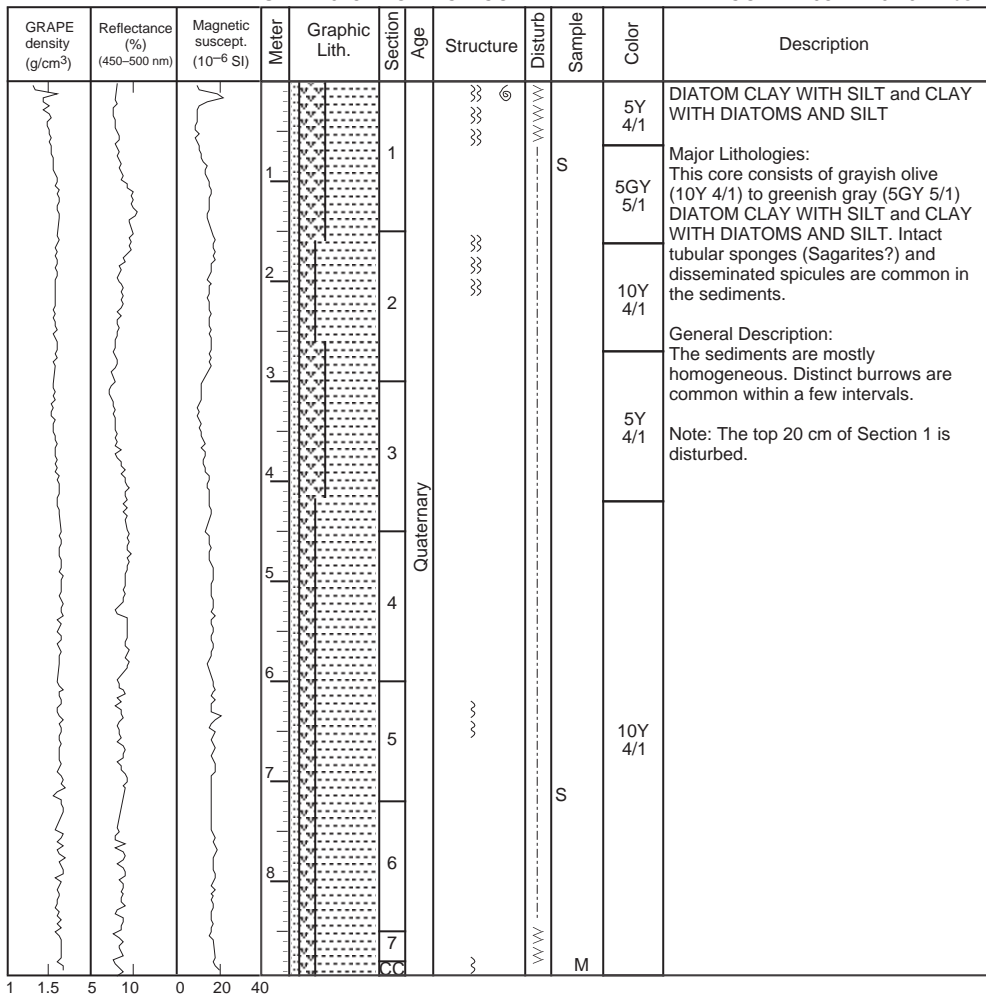
SITE 1018 HOLE C CORE 8H

CORED 63.5 - 69.5 mbsf



SITE 1018 HOLE C CORE 12X

CORED 98.2 - 107.9 mbsf



SITE 1018 HOLE C CORE 13X CORED 107.9 - 117.5 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1					5GY 5/1 To 10Y 4/1	<p>CLAY WITH SILT AND DIATOMS</p> <p>Major Lithology: This core consists of grayish olive (10Y 4/1) to grayish green (5G 5/1) CLAY WITH SILT AND DIATOMS. Intact sponges and disseminated spicules are distributed through the sediment. Darker bands too thin to show color are indicated in the Structure column.</p> <p>General Description: The sediments are slightly to moderately bioturbated. Several intervals include distinct Chondrites trace fossils. The core is slightly to moderately disturbed.</p>
			2		5GY 5/1						
			3		10Y 4/1						
			4		5GY 5/1						
			5		10Y 4/1						
			6		5G 5/1						
			7		5Y 4/1						
			8		10Y 4/1						
			9		5Y 3/2						
			CC								

SITE 1018 HOLE C CORE 14X

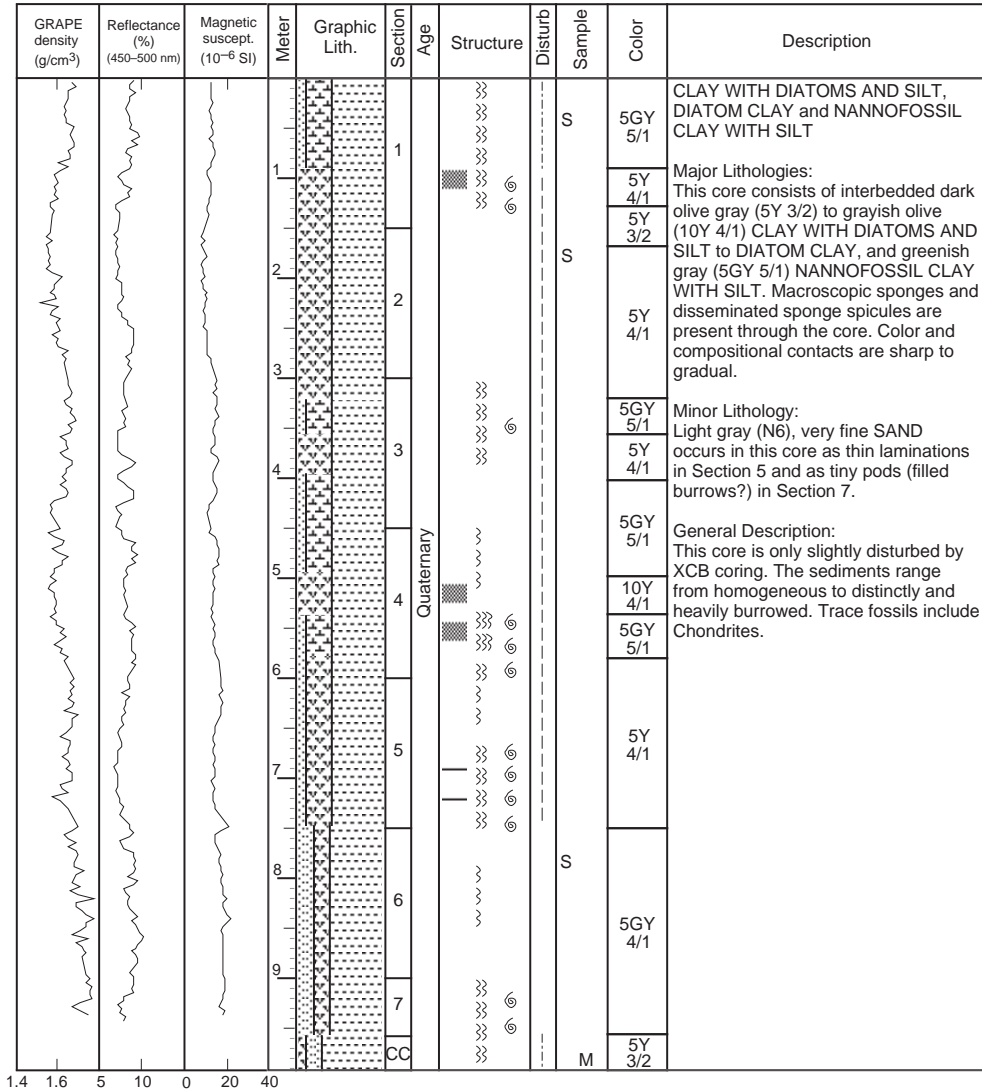
CORED 117.5 - 127.2 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
			1		1				5Y 3/2	<p>CLAY WITH DIATOMS AND SILT</p> <p>Major Lithology: This core consists of dark olive gray (5Y 3/2) to light grayish olive (10Y 5/2) CLAY WITH DIATOMS AND SILT. Foraminifers, sponge spicules, and organic matter each are present in small quantities. Intact sponges (Sagarites?) are present throughout the core.</p> <p>General Description: The sediments of this core are homogeneous to distinctly burrowed. Chondrites are displayed in most sections.</p>
			1			}}		5Y 4/1		
			2		2	}}	S	10Y 4/1 To 5Y 4/1		
			2			}}		5Y 4/1		
			3		3	}}		10Y 4/1 To 5Y 4/1		
			3			}}		10Y 4/1 To 5Y 4/1		
			4		4	}}		10Y 4/1 To 5Y 4/1		
			4			}}	S	10Y 4/1 To 10Y 5/1		
			5		5	}}		5Y 4/1		
			5			}}		10Y 5/1		
			6		6	}}		5Y 3/2		
			6			}}		10Y 4/1		
			7		7	}}		5Y 4/1		
			7			}}		5Y 3/2		
			8		8	}}		10Y 4/1		
			8			}}		5Y 4/1		
			9		9	}}		5Y 3/2		
					CC			5Y 3/2		

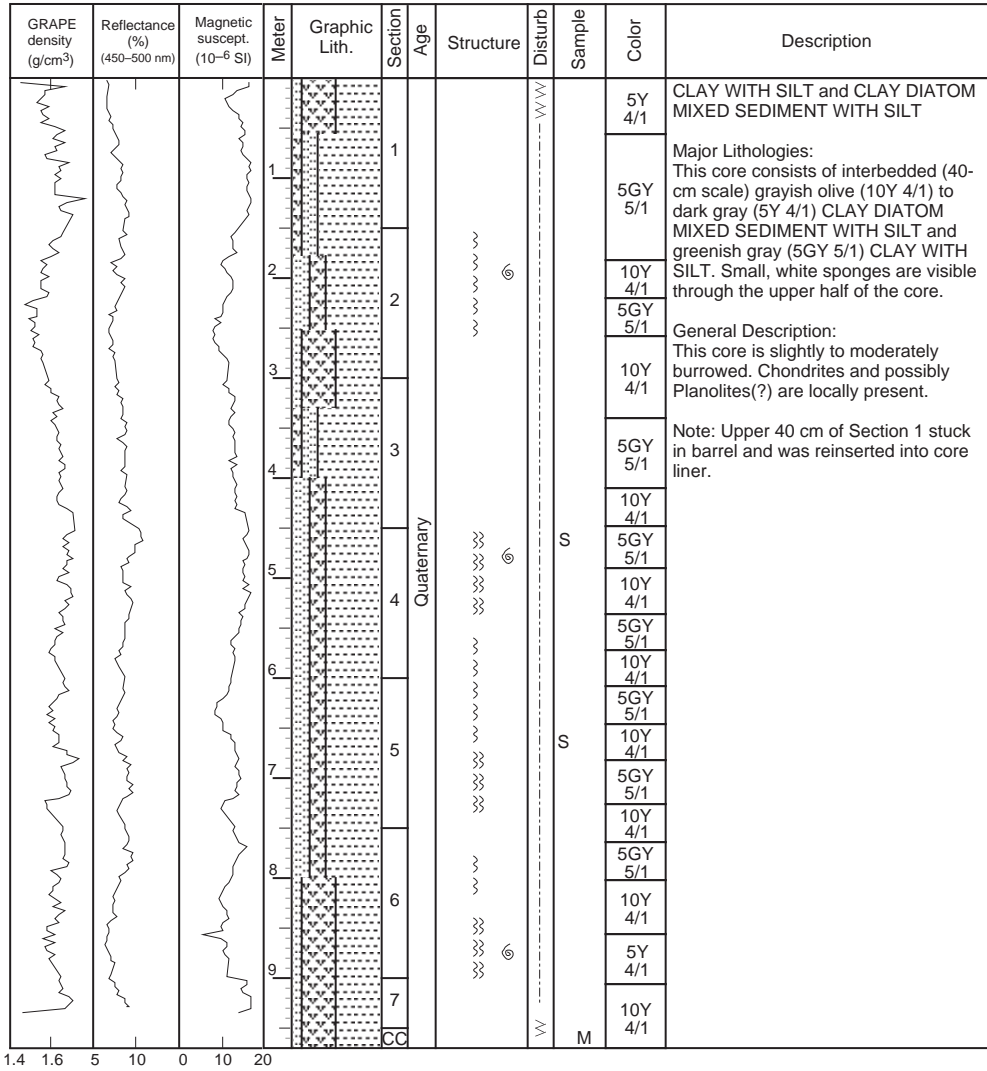
1.4 1.6 5 10 0 10 20

SITE 1018 HOLE C CORE 16X

CORED 136.9 - 146.6 mbsf



SITE 1018 HOLE C CORE 17X CORED 146.6 - 156.3 mbsf



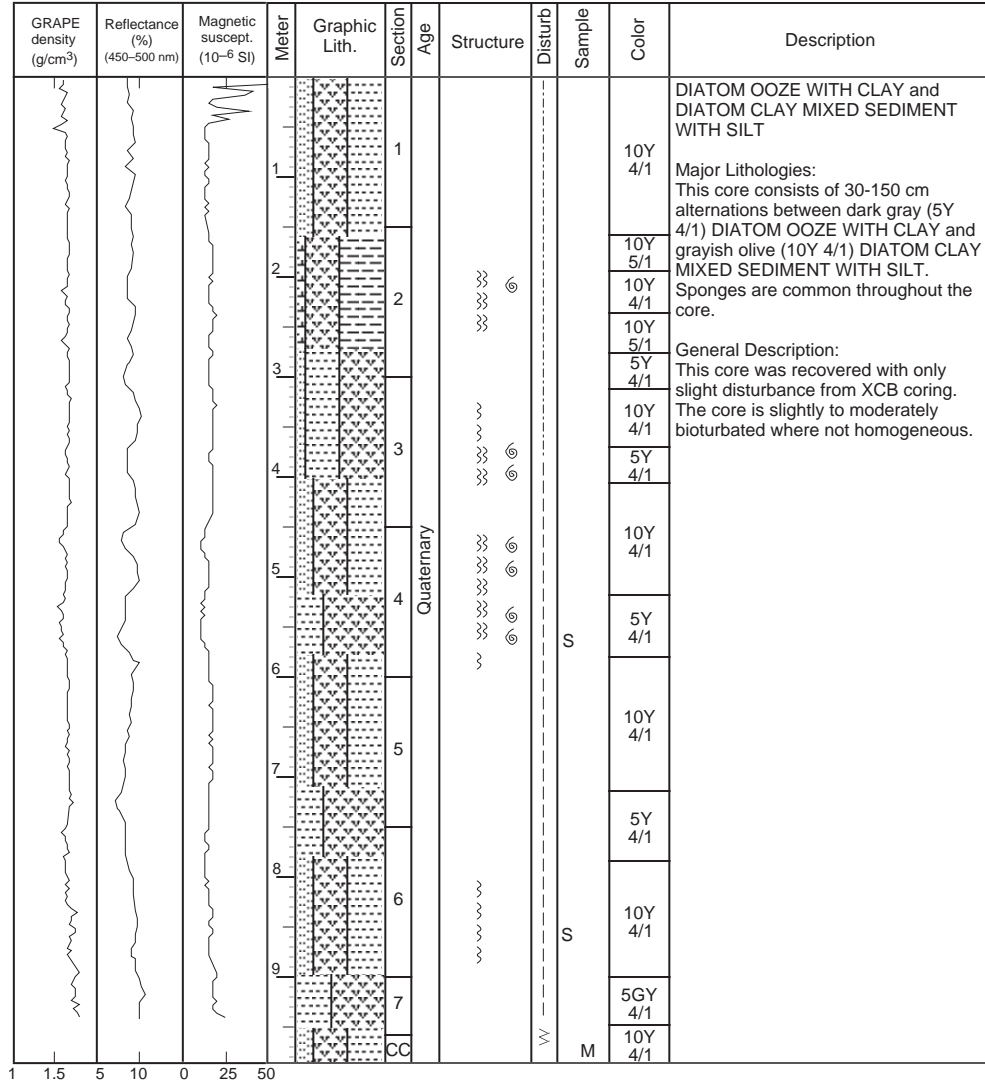
SITE 1018 HOLE C CORE 18X

CORED 156.3 - 165.9 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-600 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
			1		1				5Y 4/1	<p>CLAY WITH SILT AND DIATOMS</p> <p>Major Lithology: This core consists of irregular alternation between dark gray (5Y 4/1) and greenish gray (5GY 5/1) CLAY WITH SILT AND DIATOMS. Intact, macroscopic sponges are visible throughout the entire core. Darker color bands too small to indicate in the Color column are shown in the Structure column.</p> <p>General Description: The sediments are homogeneous to moderately bioturbated. Chondrites are distinct and abundant in the central part of the core.</p>
			2		2				5GY 4/1	
			3		3				10Y 4/1 To 5GY 5/1	
			4		3				5GY 5/1	
			5		4				5Y 4/1 To 5GY 5/1	
			6		4				5Y 4/1	
			7		5				5GY 5/1	
			8		6					
			9		7				5GY 4/1	
					CC					

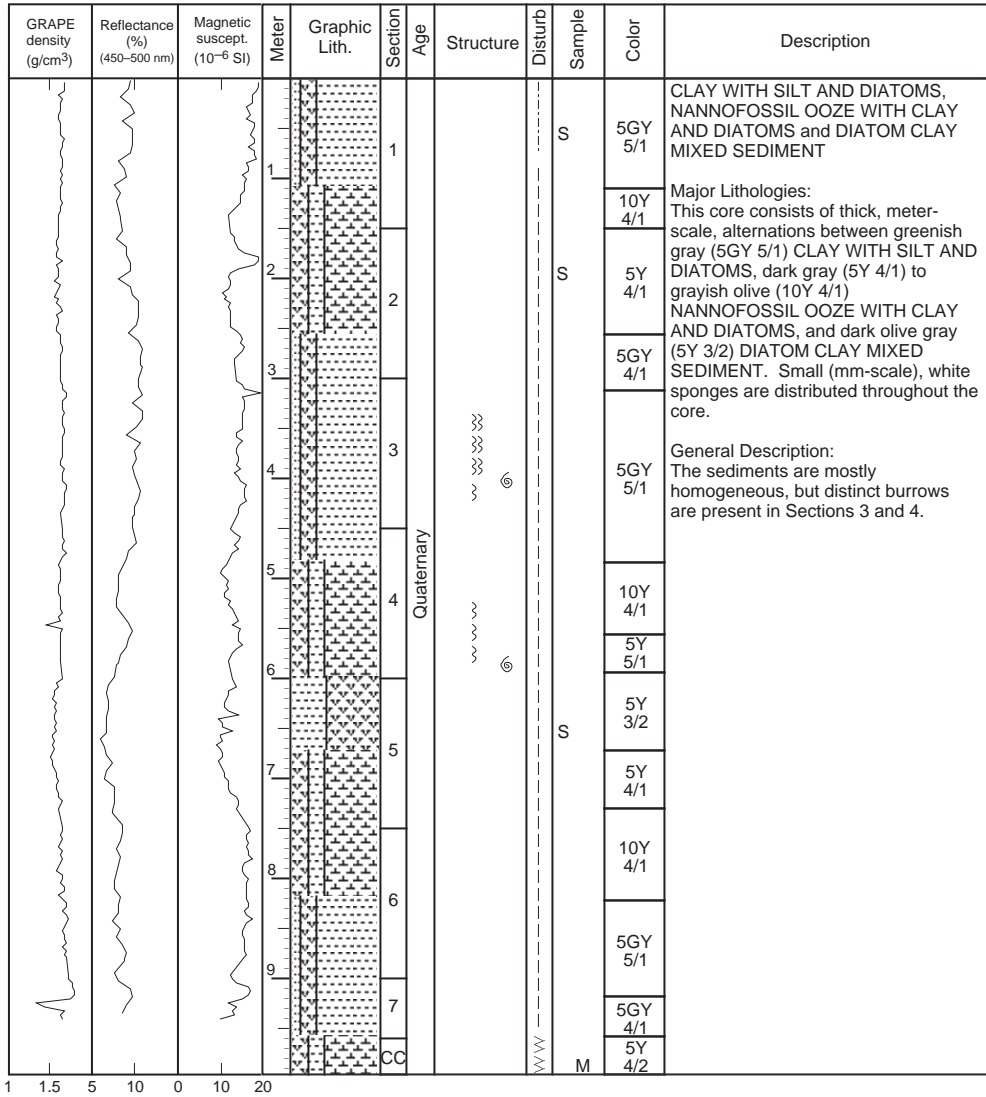
1.4 1.6 6 8 10 15 20

SITE 1018 HOLE C CORE 19X CORED 165.9 - 175.5 mbsf

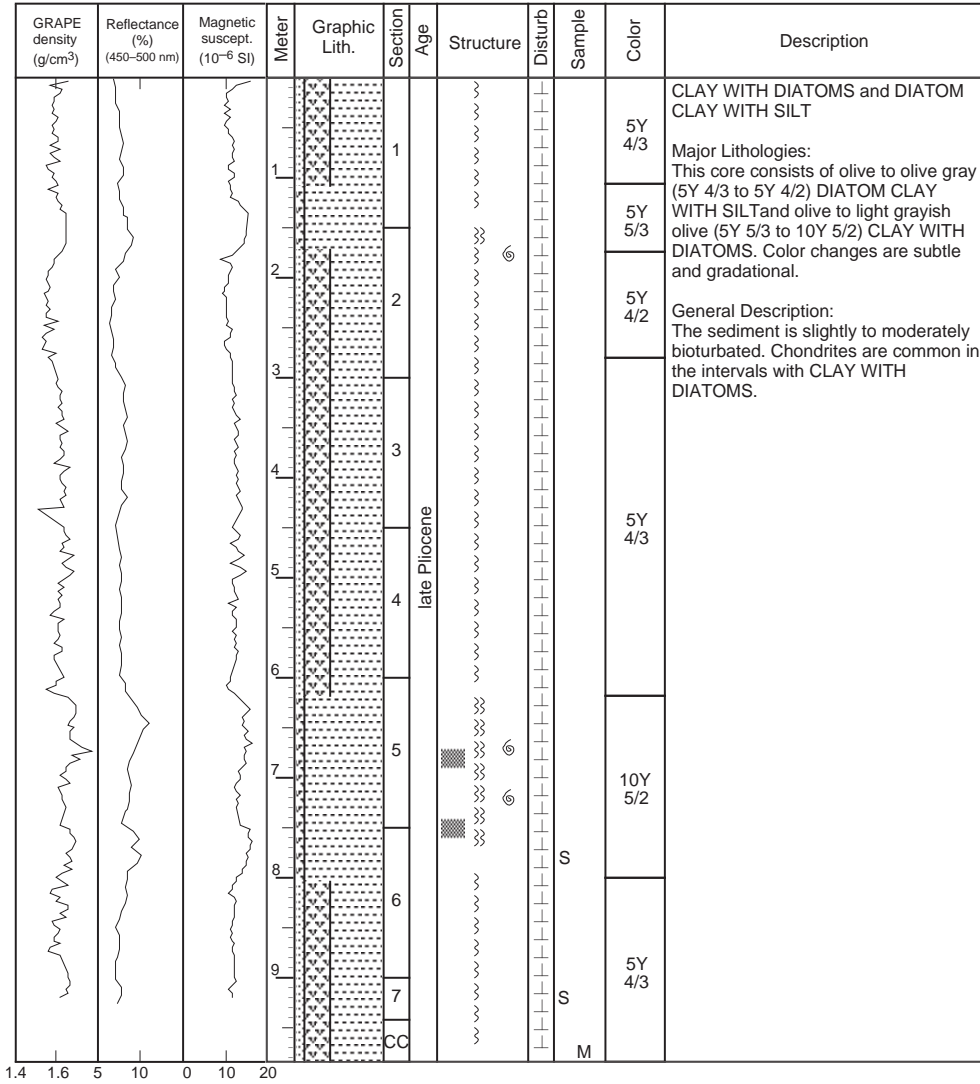


SITE 1018 HOLE C CORE 20X

CORED 175.5 - 185.2 mbsf

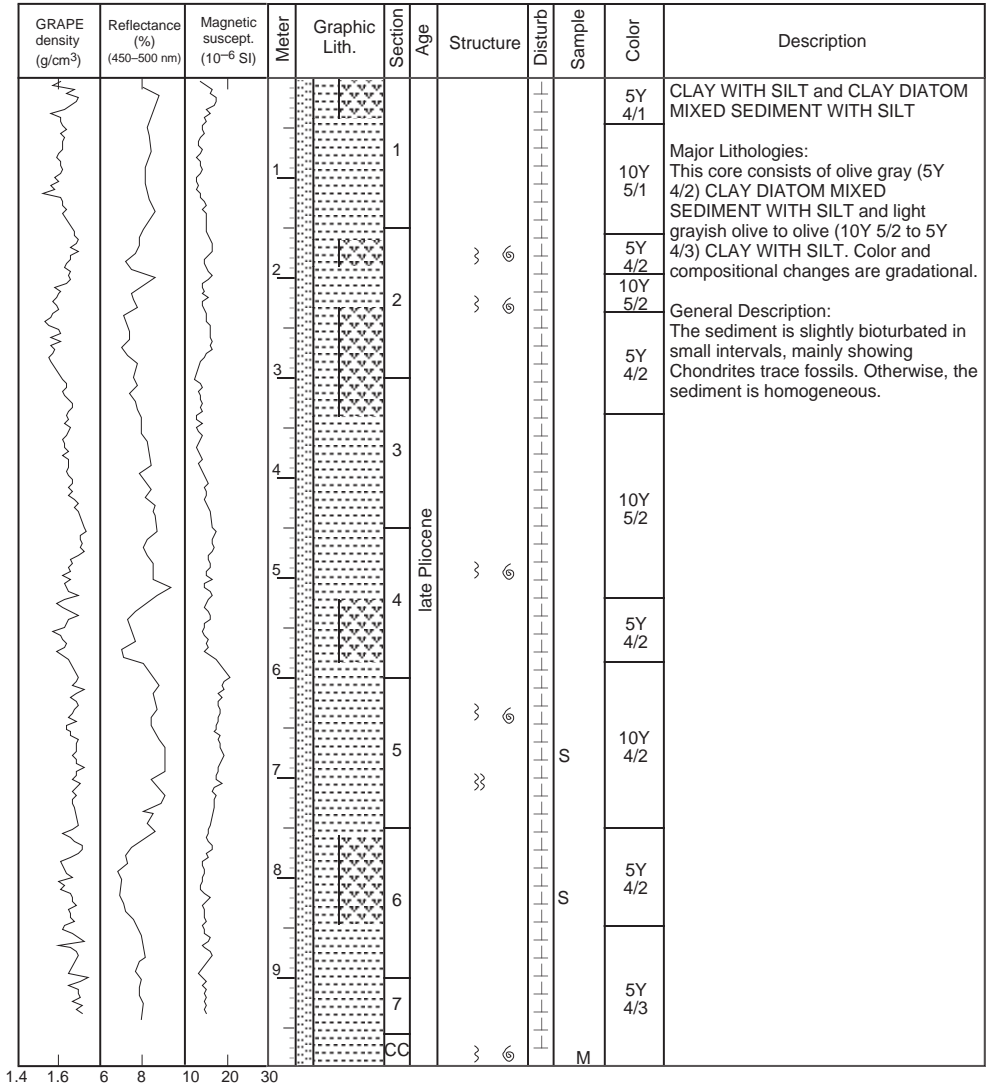


SITE 1018 HOLE C CORE 23X CORED 204.4 - 214.0 mbsf



SITE 1018 HOLE C CORE 24X

CORED 214.0 - 223.6 mbsf



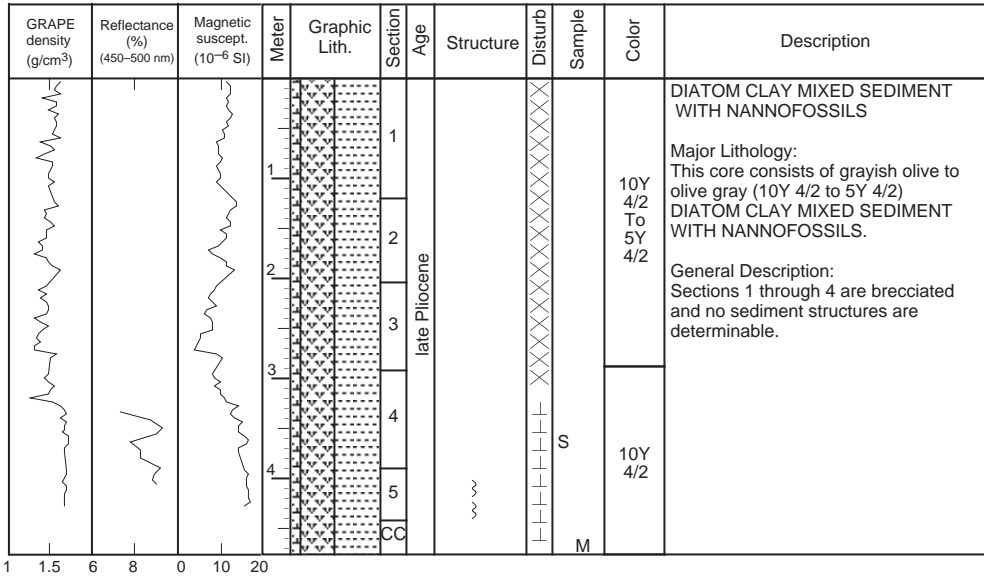
SITE 1018 HOLE C CORE 25X CORED 223.6 - 233.3 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1		~			5Y 5/2	<p>CLAY DIATOM MIXED SEDIMENT WITH SILT and CLAY WITH NANNOFOSSILS</p> <p>Major Lithologies: This core consists of olive gray to light grayish olive (5Y 5/2 to 10Y 5/2) CLAY WITH NANNOFOSSILS and dark gray to olive (5Y 4/1 to 5Y 4/3) CLAY DIATOM MIXED SEDIMENT WITH SILT. Color changes are gradational.</p> <p>Minor Lithologies: Section 6, 52-55 cm, contains a FINE SAND which is overlain by a thin interval enriched in glauconite.</p> <p>General Description: The sediment is slightly to moderately bioturbated.</p>
			2		2	~					
			3		3	~	S				
			4		3	~					
			5		4	~	S				
			6		4	~					
			7		5	~					
			8		6	~	⑥				
			9		7	~					
1.4	5	0	40		CC			M	10Y 4/2		

1.4 1.6 5 10 0 20 40

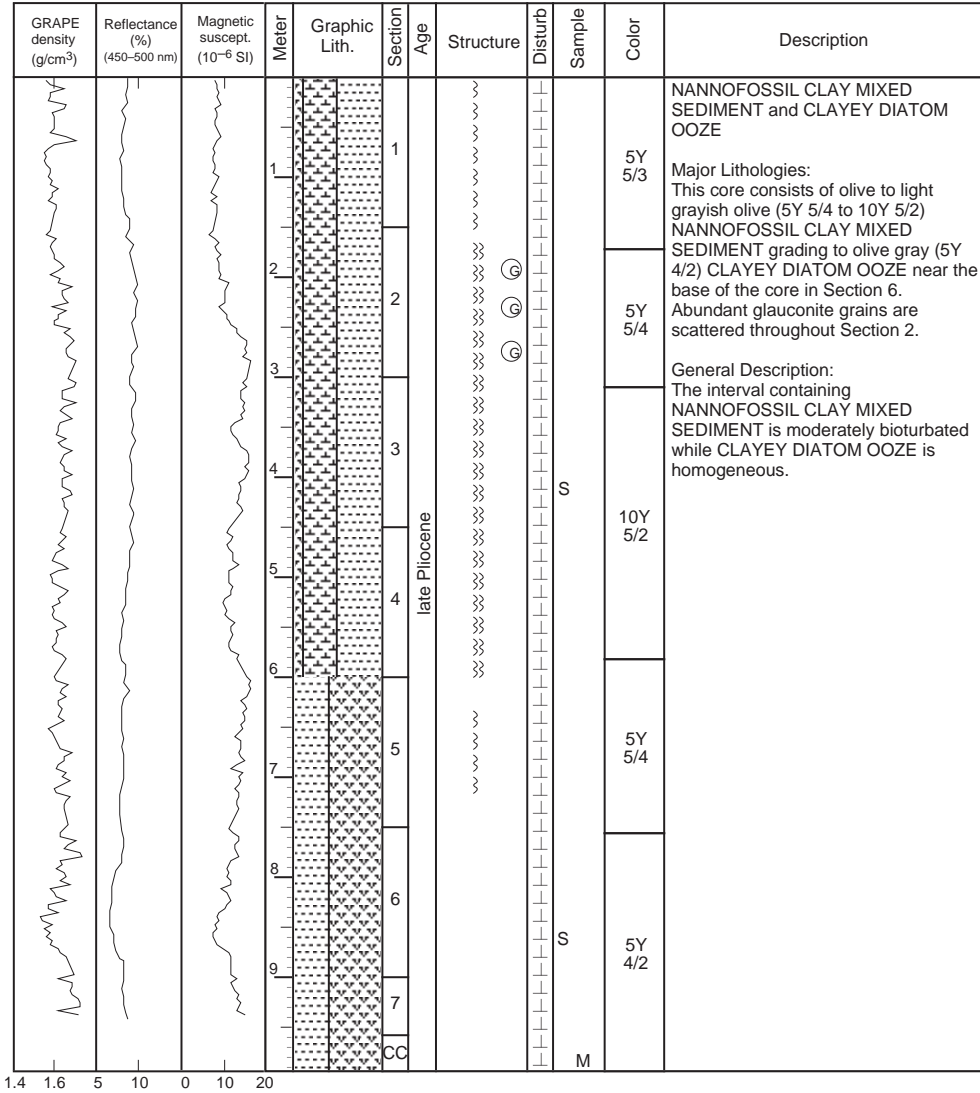
SITE 1018 HOLE C CORE 26X

CORED 233.3 - 242.9 mbsf



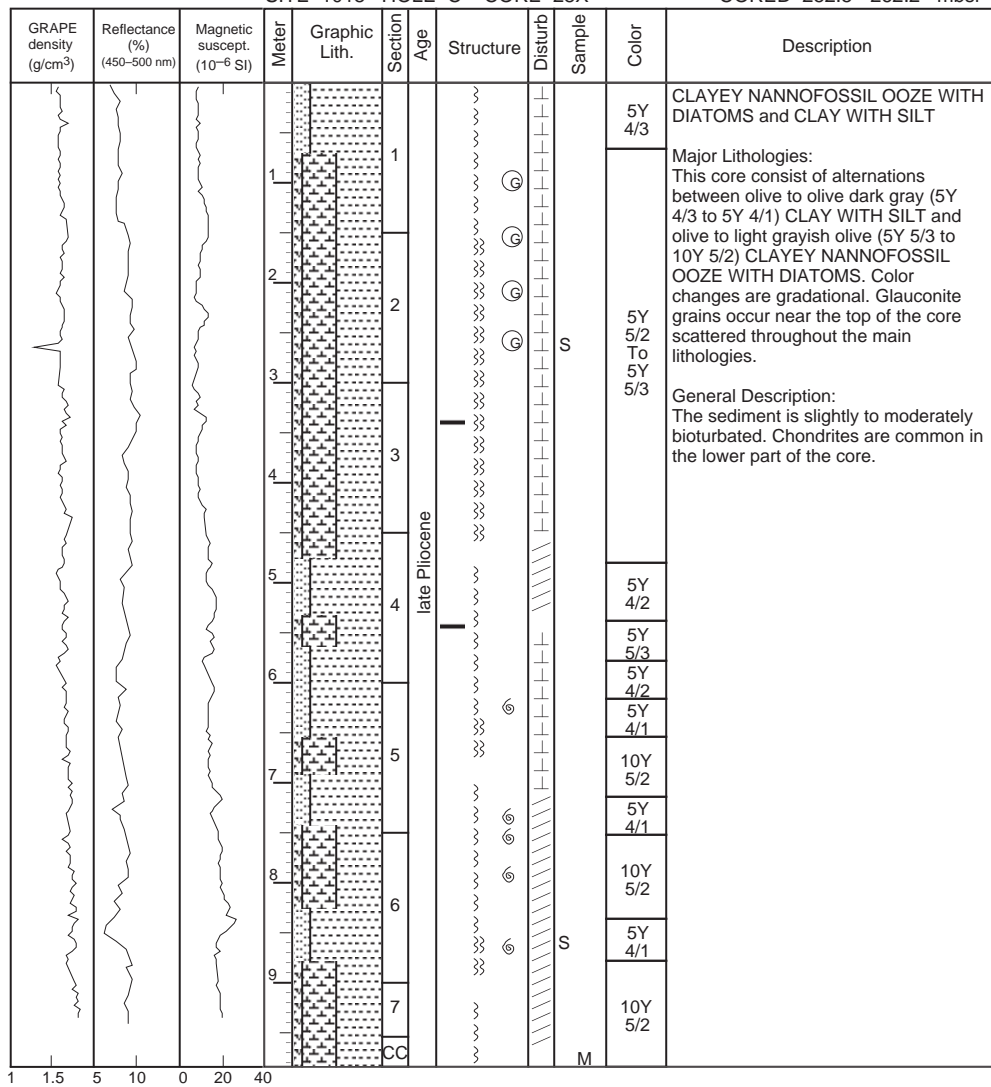
SITE 1018 HOLE C CORE 27X

CORED 242.9 - 252.5 mbsf

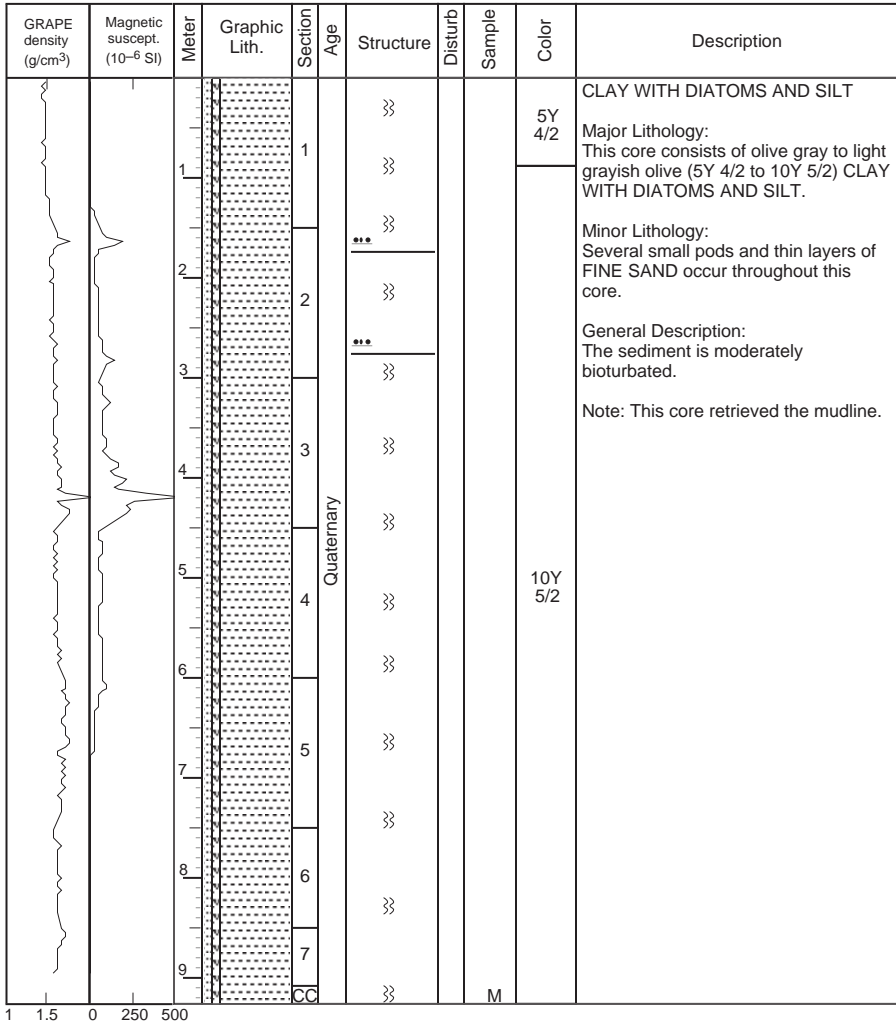


SITE 1018 HOLE C CORE 28X

CORED 252.5 - 262.2 mbsf

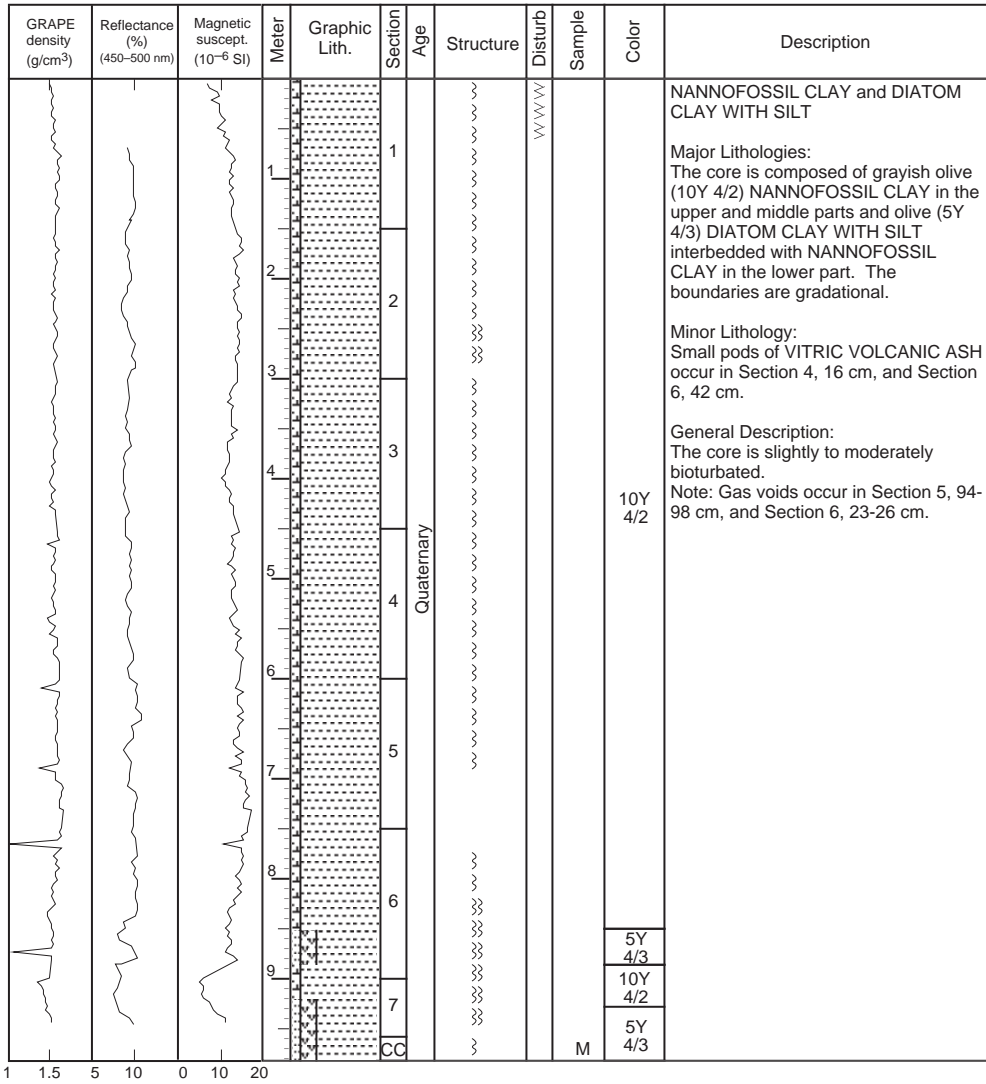


SITE 1018 HOLE D CORE 1H CORED 0.0 - 9.3 mbsf



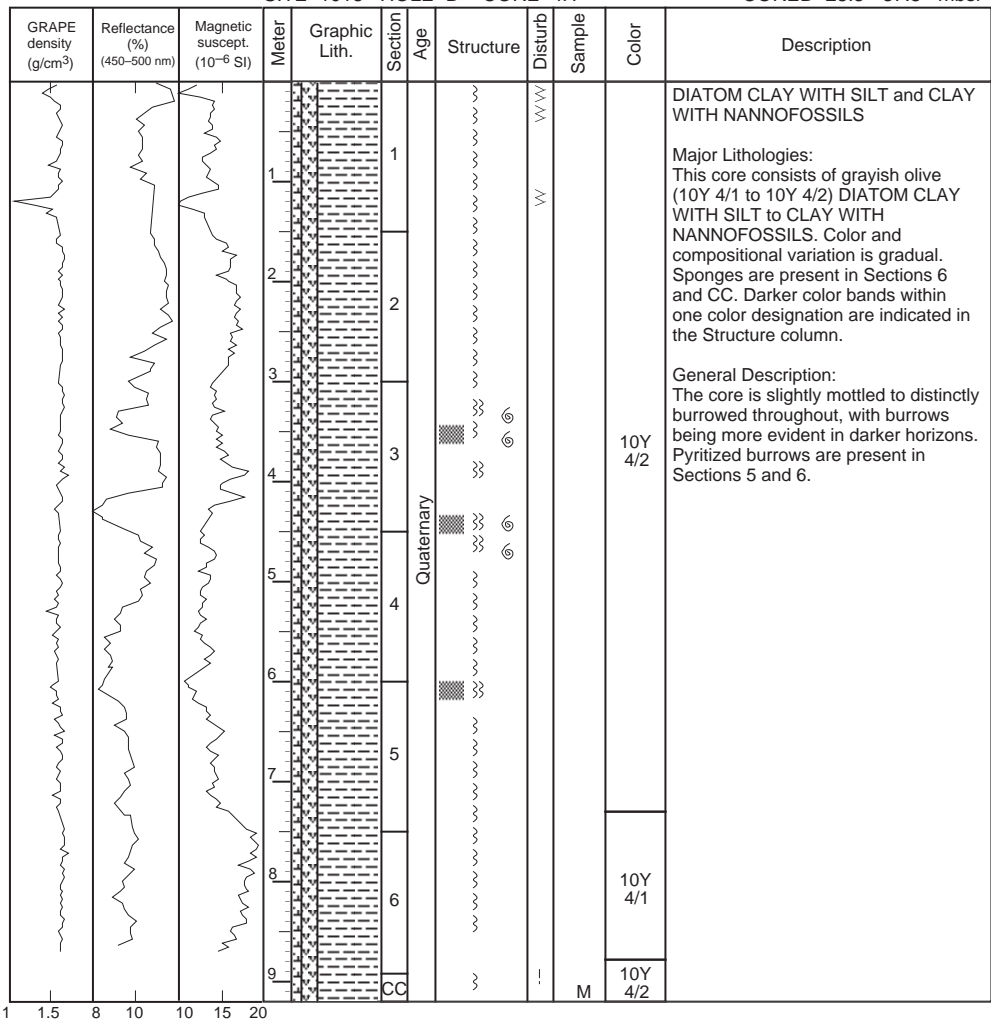
SITE 1018 HOLE D CORE 2H

CORED 9.3 - 18.8 mbsf



SITE 1018 HOLE D CORE 4H

CORED 28.3 - 37.8 mbsf



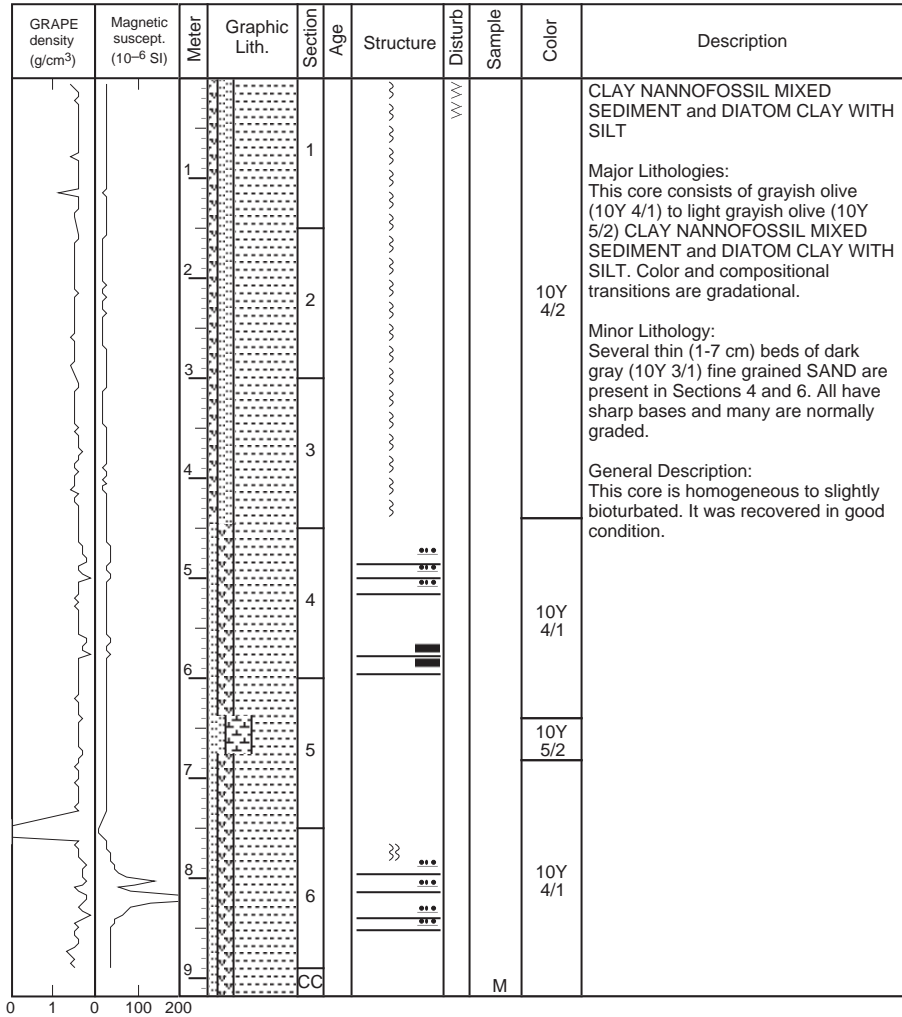
SITE 1018 HOLE D CORE 5H CORED 37.8 - 47.3 mbsf

GRAPE density (g/cm ³)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1		1		***	M		10Y 4/2	<p>CLAY WITH SILT and DIATOM CLAY</p> <p>Major Lithologies: This core consists of alternation between grayish olive (10Y 4/2) CLAY WITH SILT and olive gray (5Y 4/2) to dark olive gray (5Y 3/2) DIATOM CLAY. Color and compositional contacts are sharp to gradual and usually are bioturbated. Sponges are visible in the upper 1/2 of the core.</p> <p>General Description: The core is bioturbated throughout, with burrows being especially distinct at lithologic contacts.</p>
		2		2				5Y 4/2		
		3		3				10Y 4/2		
		4		3				5Y 4/2		
		5		4				10Y 4/2		
		6		4	Quaternary			5Y 3/2		
		7		5				10Y 4/1 To 10Y 4/2		
		8		6				5Y 4/2		
		9		7				10Y 4/2		
		CC						5Y 3/2		

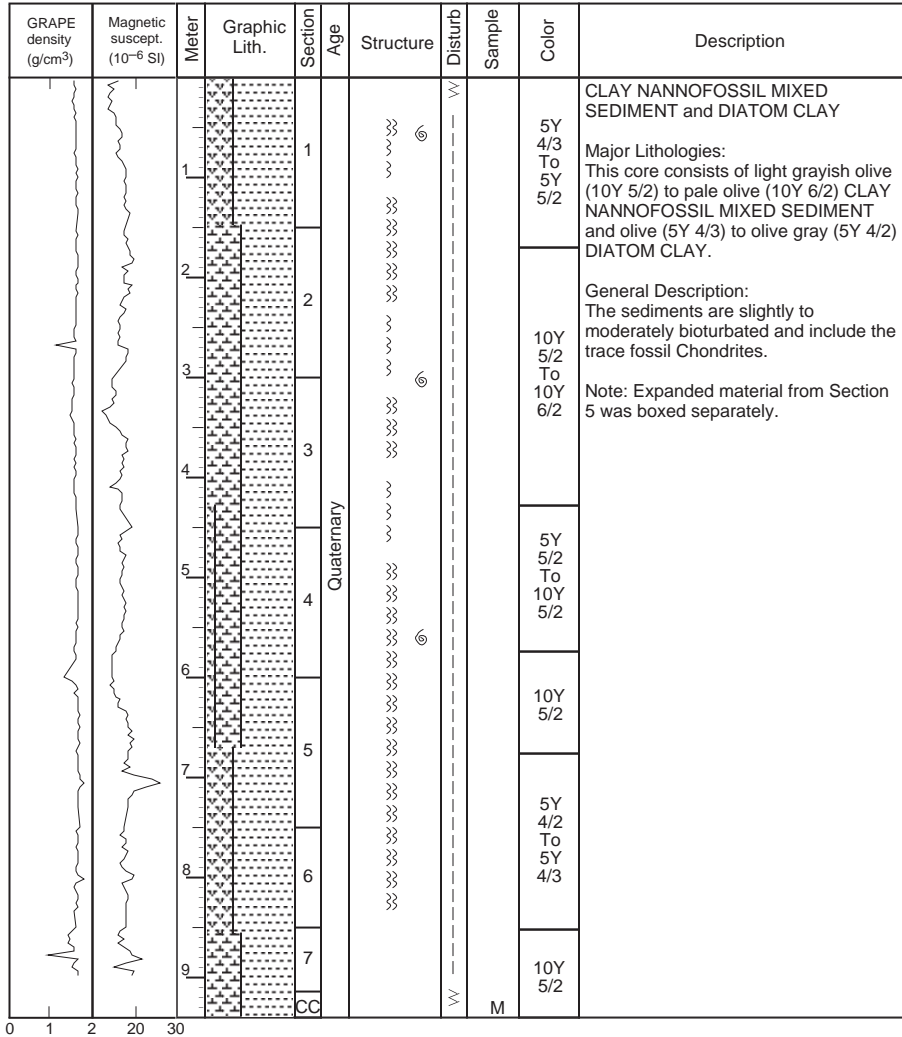
1 1.5 2 20 30

SITE 1018 HOLE D CORE 6H

CORED 47.3 - 56.8 mbsf

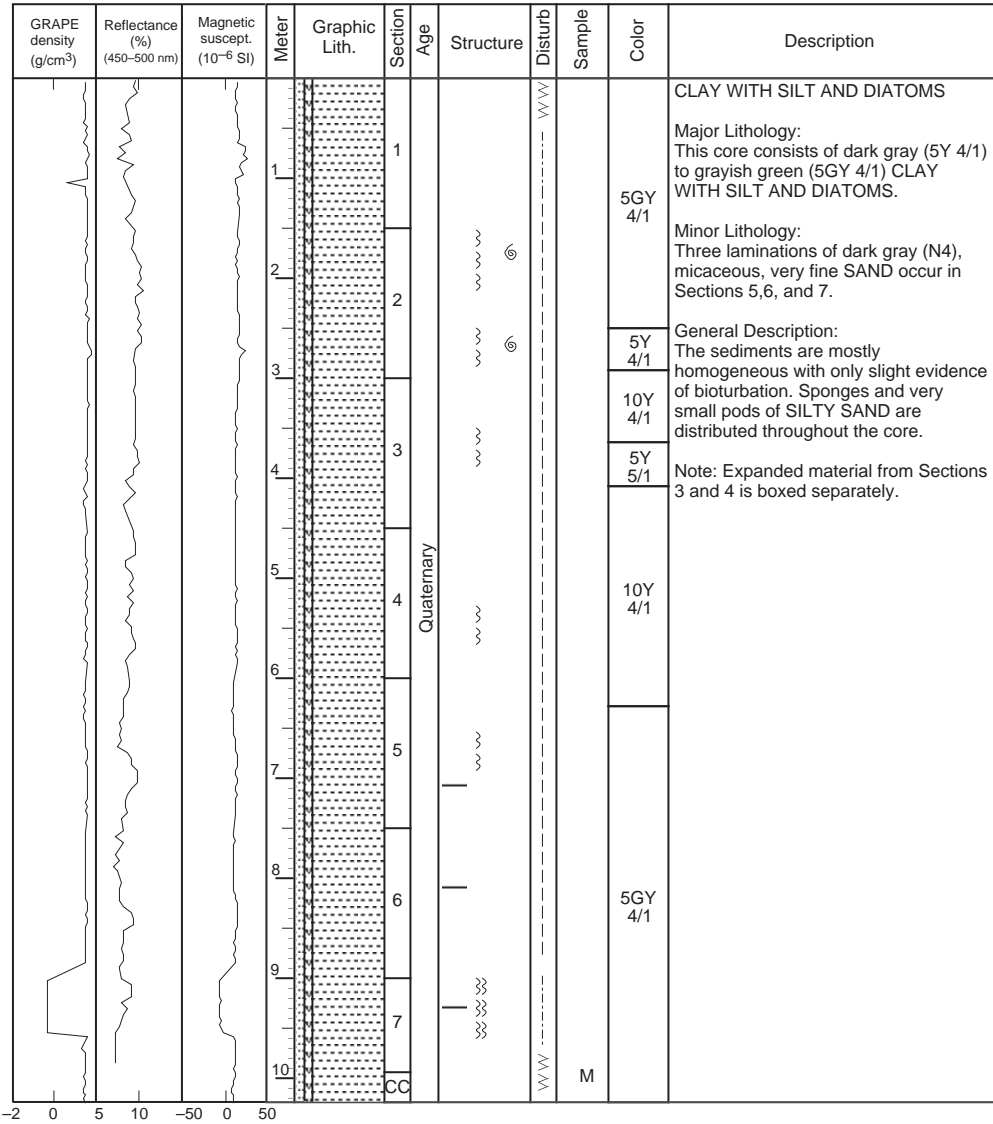


SITE 1018 HOLE D CORE 7H CORED 56.8 - 66.3 mbsf



SITE 1018 HOLE D CORE 8H

CORED 66.3 - 75.8 mbsf



SITE 1018 HOLE D CORE 9H

CORED 75.8 - 85.3 mbsf

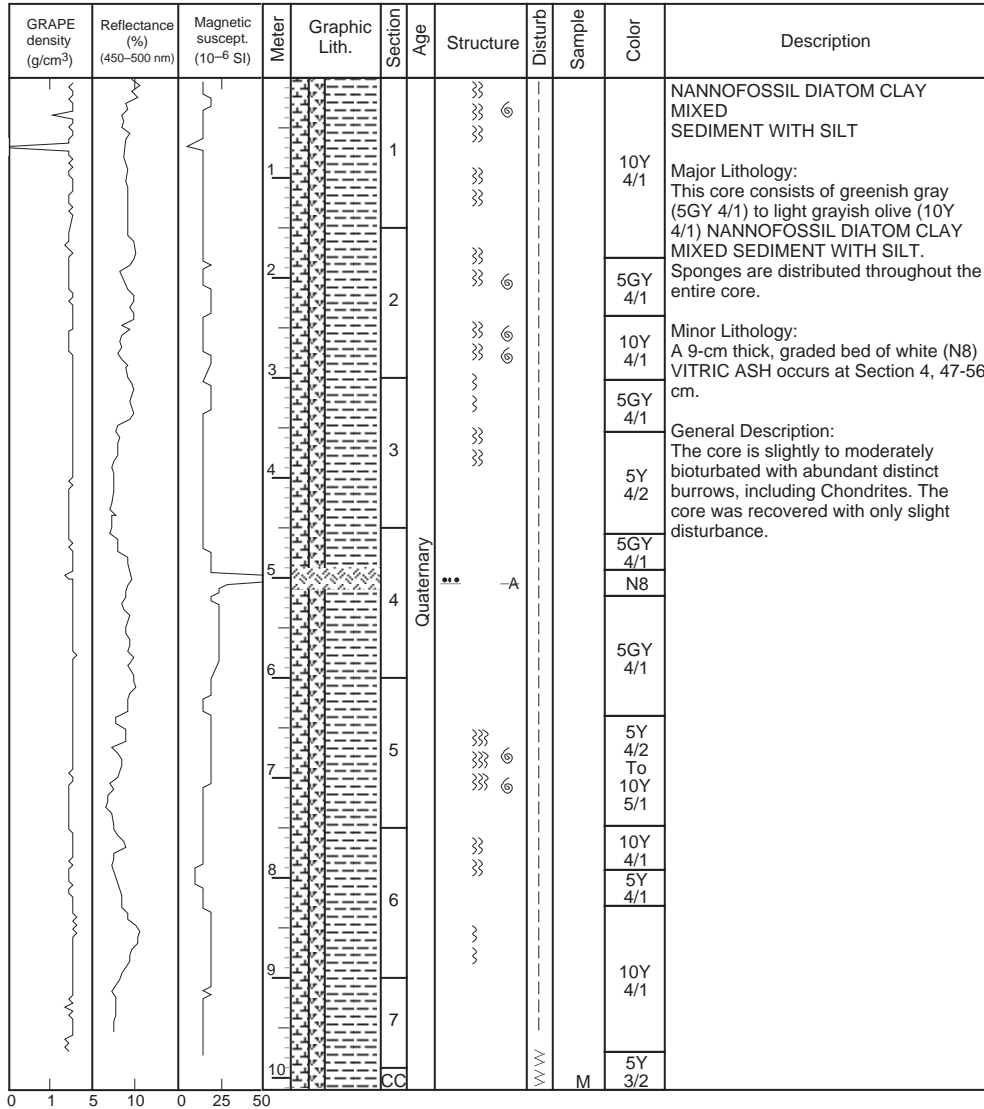
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description				
			1		1	Quaternary			M	5GY 5/1	<p>CLAY WITH SILT AND DIATOMS</p> <p>Major Lithology: This core consists of greenish gray (5GY 5/1) to grayish olive (10Y 4/1) CLAY WITH SILT AND DIATOMS. Sponges are scattered throughout the sediment.</p> <p>General Description: The core is slightly to moderately disturbed by coring. The sediments are mostly homogeneous, with burrows, including Chondrites, only visible in the lower part of the core.</p>				
			2		2										
			3		3										
			4		4										
			5		4										
			6		5							5GY 4/1			
			7		5							5GY 5/1			
			8		6							5GY 4/1			
			9		7							5GY 5/1			
			CC		7							10Y 4/1			
			1		1.5							5	10	20	30

SITE 1018 HOLE D CORE 10H

CORED 85.3 - 94.8 mbsf

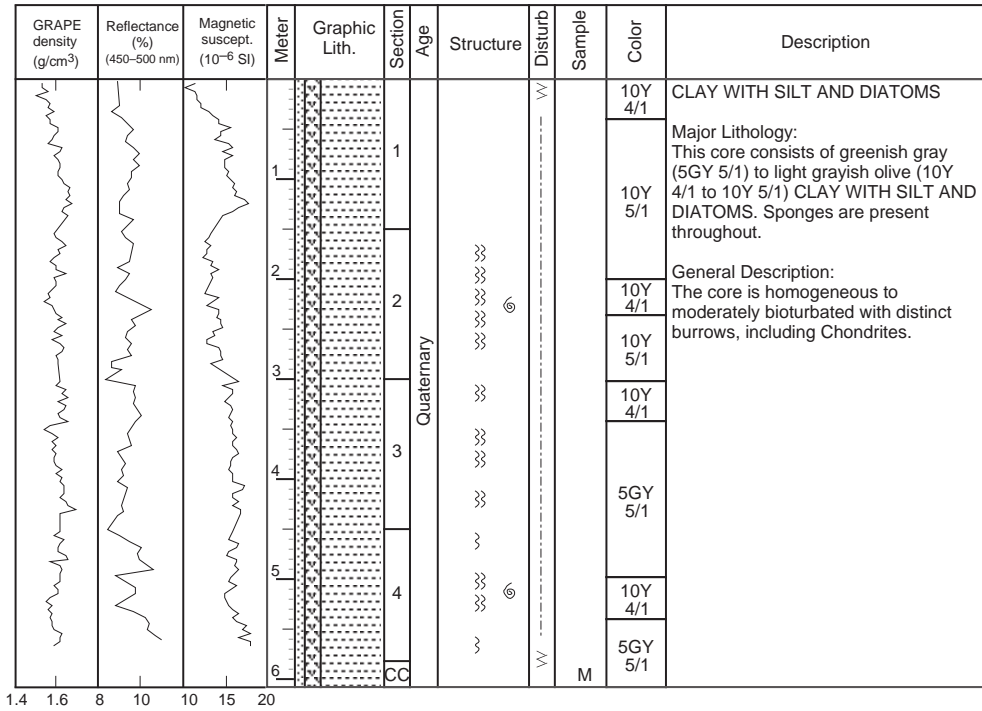
GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1	[Dotted pattern]	1		}}			10Y 4/1	<p>CLAY WITH SILT</p> <p>Major Lithology: This core consists of dark gray (5Y 4/1) to grayish olive (10Y 4/1) CLAY WITH SILT. Small white sponges (Sagarites?) are present throughout the core.</p> <p>General Description: The sediment is homogeneous to moderately bioturbated. Chondrites trace fossils are present in Section 2.</p> <p>Note: Expanded material from Section 3 is boxed separately.</p>
			2		2		}}	⊗		5Y 4/1	
			3		3		}}	⊗		10Y 4/1	
			4		4		}}			5Y 4/1	
			5		5	Quaternary				10Y 4/1	
			6		6		}}			5Y 4/1	
			7		7		}}			10Y 4/1	
			8		8		}}			5Y 4/1	
			9		9		}}			10Y 4/1	
			10		10	CC				5GY 4/1	
1	1.5	5	10	20	30				M		

SITE 1018 HOLE D CORE 11H CORED 94.8 - 104.3 mbsf

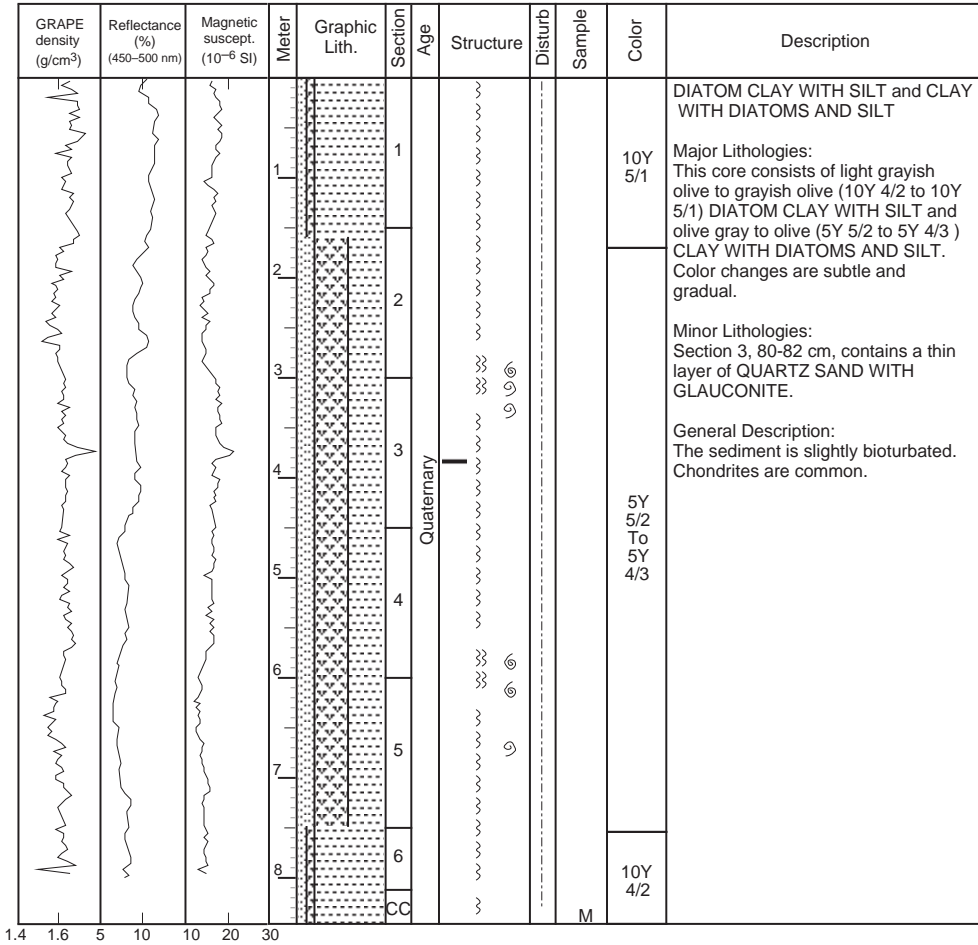


SITE 1018 HOLE D CORE 12X

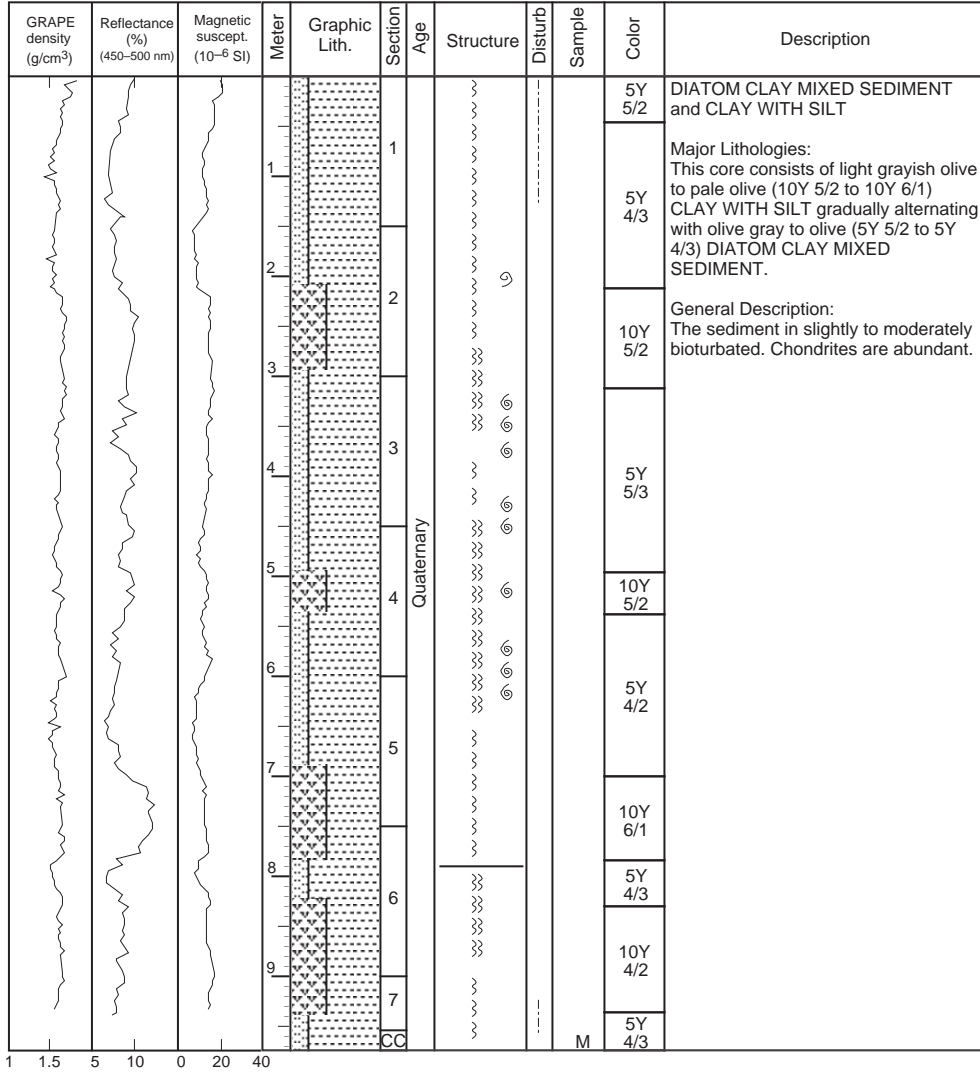
CORED 104.3 - 110.1 mbsf



SITE 1018 HOLE D CORE 13X CORED 110.1 - 119.7 mbsf



SITE 1018 HOLE D CORE 15X CORED 129.3 - 138.9 mbsf



SITE 1018 HOLE D CORE 16X

CORED 138.9 - 148.5 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (450-500 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1					10Y 5/2 5Y 5/3 10Y 5/2 5Y 4/3 5Y 5/3 10Y 5/2 5Y 4/3 10Y 6/1 5Y 4/3	<p>NANNOFOSSIL CLAY WITH SILT and DIATOM CLAY WITH SILT</p> <p>Major Lithologies: This core consists of light grayish olive to pale olive (10Y 5/2 to 10Y 6/1) NANNOFOSSIL CLAY WITH SILT and olive (5Y 4/3 to 5Y 5/3) DIATOM CLAY WITH SILT. Color changes are gradational.</p> <p>General Description: The sediment is slightly to moderately bioturbated. Chondrites are common.</p>
			2		2	Quaternary					
			3		3						
			4		3						
			5		4						
			6		5						
			7		5						
			8		6						
			9		7						
					CC						

SITE 1018 HOLE D CORE 17X CORED 148.5 - 158.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		~ 9			5Y 4/3	<p>CLAY WITH SILT and CLAY DIATOM MIXED SEDIMENT</p> <p>Major Lithologies: This core consists of grayish olive to light grayish olive (10Y 4/2 to 10Y 5/2) CLAY WITH SILT alternating with olive to olive gray (5Y 4/3 to 5Y 5/2) CLAY DIATOM MIXED SEDIMENT. Color changes are gradual.</p> <p>General Description: The sediment is moderately bioturbated. Sagarites are common throughout Sections 1 and 2.</p>
2		2		~ 9			10Y 5/2	
3		3		~ 9			5Y 4/3	
4		3		~ 9			10Y 5/2	
5		4	Quaternary	~ 9			5Y 4/2	
6		4	Quaternary	~ 9			10Y 4/2	
7		5		~ 9			5Y 4/3	
8		5		~ 9			10Y 5/2	
9		6		~ 9			5Y 4/3	
9		7		~ 9			5Y 5/3	
		CC		~ 9		M		

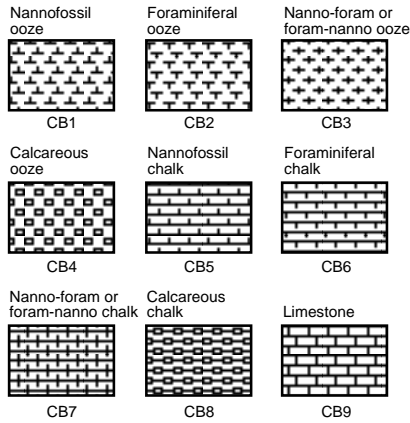
SITE 1018 HOLE D CORE 18X CORED 158.1 - 167.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Quaternary	~			10Y 6/1	DIATOM CLAY MIXED SEDIMENT WITH SILT and DIATOM OOZE WITH CLAY
2		2		~			10Y 4/1	Major Lithologies: This core consists of gradual alternations between pale olive to light grayish olive (10Y 6/1 to 10Y 5/1) DIATOM CLAY MIXED SEDIMENT WITH SILT and grayish olive to light grayish olive (10Y 4/1 to 10Y 5/2) DIATOM OOZE WITH CLAY. Color transistions are gradual and mottled between lithologies.
3		3		~			10Y 5/1	General Description: The sediment is slightly bioturbated. Chondrites are common.
4		4		~			10Y 5/2	
5		5		~			10Y 6/1	
6		6		~			10Y 4/2	
7		7		~				
		CC				M		

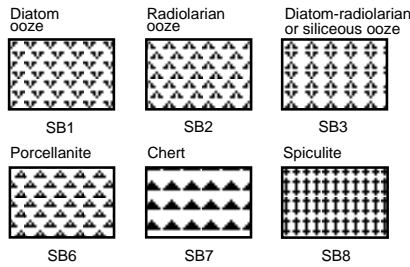
Key to symbols used in the “Graphic Lithology” column on the core description sheets.

Biogenic pelagic sediments

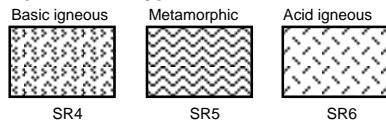
Calcareous



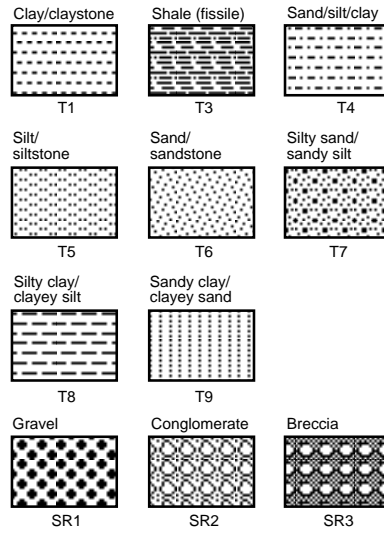
Siliceous



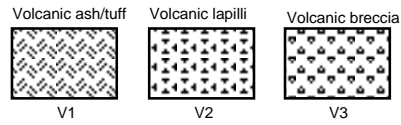
Special rock types



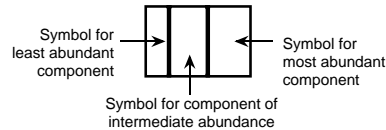
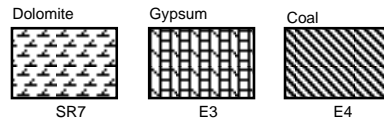
Siliciclastic sediments



Volcaniclastic sediments



Chemical and other sediments



Key to symbols used in the “Structures” column on the core description sheets.

Drilling disturbance symbols	Sedimentary structures cont.	
Soft sediments		
- - - - -	↑ F	◇
Slightly disturbed	Interval over which primary sedimentary structure occur	Isolated pebbles/cobbles
.	↑	◆
Moderately disturbed	Planar laminae	Isolated mud clasts
~ ~ ~ ~ ~	~ ~ ~ ~ ~	~ ~ ~ ~ ~
Highly disturbed	Wedge-planar laminae/beds	Slump blocks or slump folds
o o o o o	• • • • •	~ ~ ~ ~ ~
Soupy	Graded bedding (normal)	Contorted slump
Hard sediments		
/ / / / /	• • • • •	X X X X X
Slightly fractured	Graded bedding (reversed)	Probable compaction fracture
+ + + + +	Sharp contact	/ / / / /
Moderately fractured	Gradational contact	Microfault (normal)
~ ~ ~ ~ ~	Scoured, sharp contact	/ / / / /
Highly fragmented	Scoured contact with graded bed	/ / / / /
X X X X X	Thick color bands (sharp contact)	/ / / / /
Drilling breccia	Thick color bands (gradational contact)	/ / / / /
Sedimentary structures		
>	Thick color bands (sharp contact)	X X X X X
Burrows, rare (<30% surface area)	Thick color bands (gradational contact)	Totally fractured
>>	Medium color bands (sharp contact)	~ ~ ~ ~ ~
Burrows, common (30%–60% surface area)	Medium color bands (gradational contact)	Vein structures
>>>	Thin color bands (sharp contact)	Color mottles
Burrows, abundant (>60% surface area)	Thin color bands (gradational contact)	Dolomite nodule/concretion
>>>>	Laminations (mm scale)	D
Discrete <i>Zoophycos</i> trace fossil	Individual thick color band	(P)
Discrete <i>Chondrites</i> trace fossil	Individual medium color band	Pyrite nodule/concretion
<i>Sagarites</i> sponge	Individual thin color band	P
Gastropods	Individual lamination	Disseminated pyrite
Other bivalves	Wavy lamination	(G)
Shell fragments	Cross laminae	Glauconite
Wood fragments	Cross stratification	●
Fish debris	Cross bedding	Concretions/nodules
	Convoluted/contorted bedding	(Ba)
	Flaser bedding	Barite nodule/concretion
	Graded interval, normal	Ba
	Veins	Disseminated barite
	Water escape structure	(Ca)
	Scour	Calcite nodule/concretion
		(C)
		Carbonate nodule/concretion
		(Ch)
		Chert nodule/concretion
		A•
		Ash/pumice pods
		-A
		Ash layer