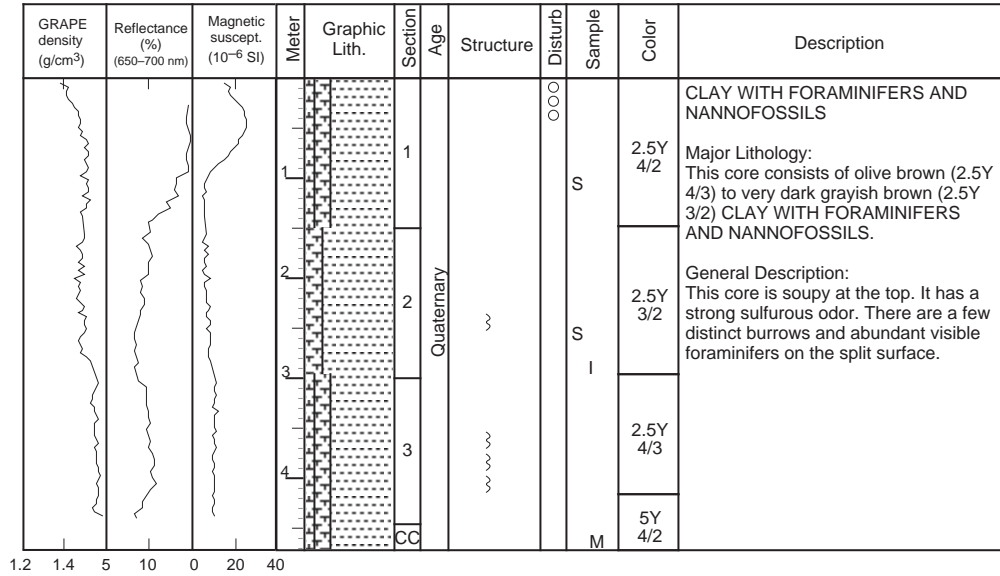


SITE 1012 HOLE A CORE 1H CORED 0.0 - 4.7 mbsf

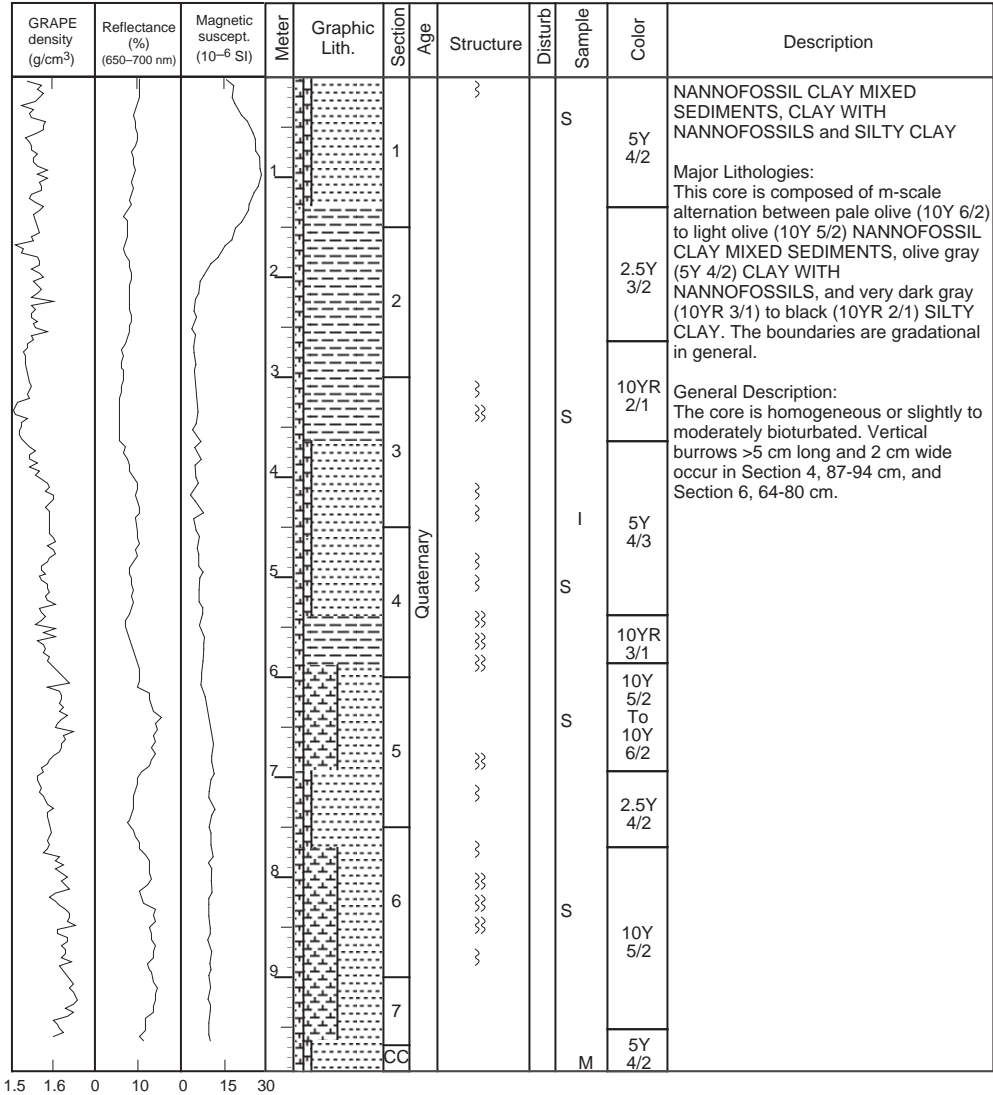


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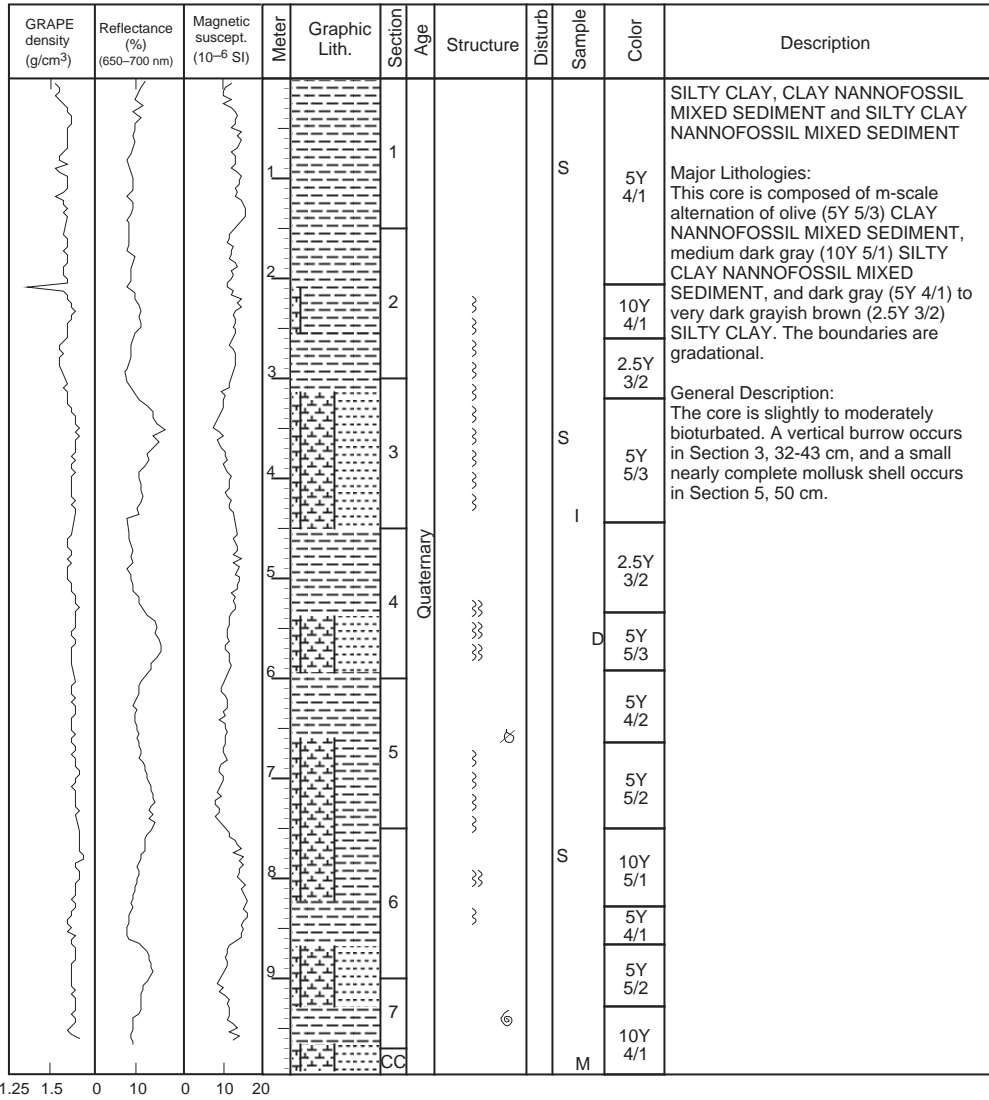
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SITE 1012 HOLE A CORE 2H CORED 4.7 - 14.2 mbsf

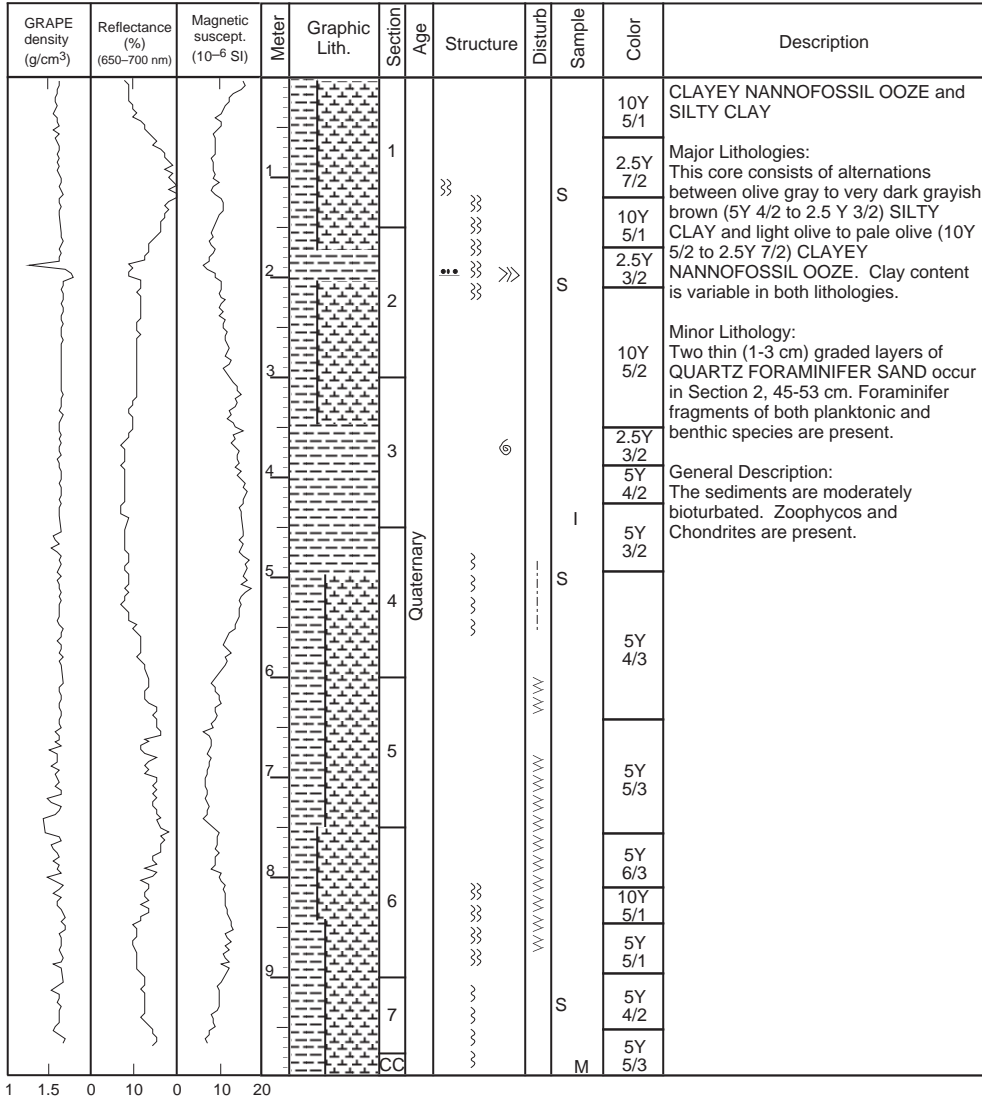


SITE 1012 HOLE A CORE 3H

CORED 14.2 - 23.7 mbsf

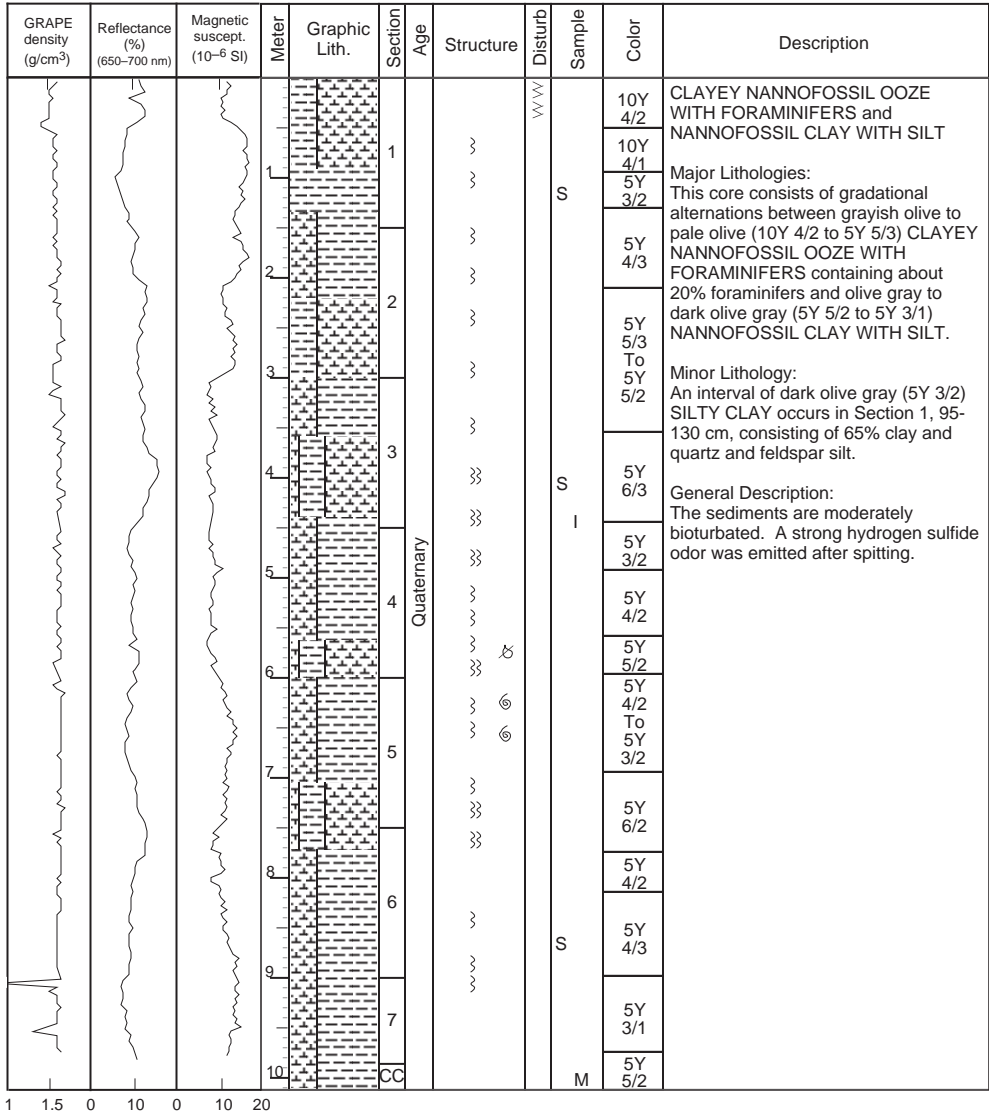


SITE 1012 HOLE A CORE 4H CORED 23.7 - 33.2 mbsf



SITE 1012 HOLE A CORE 5H

CORED 33.2 - 42.7 mbsf



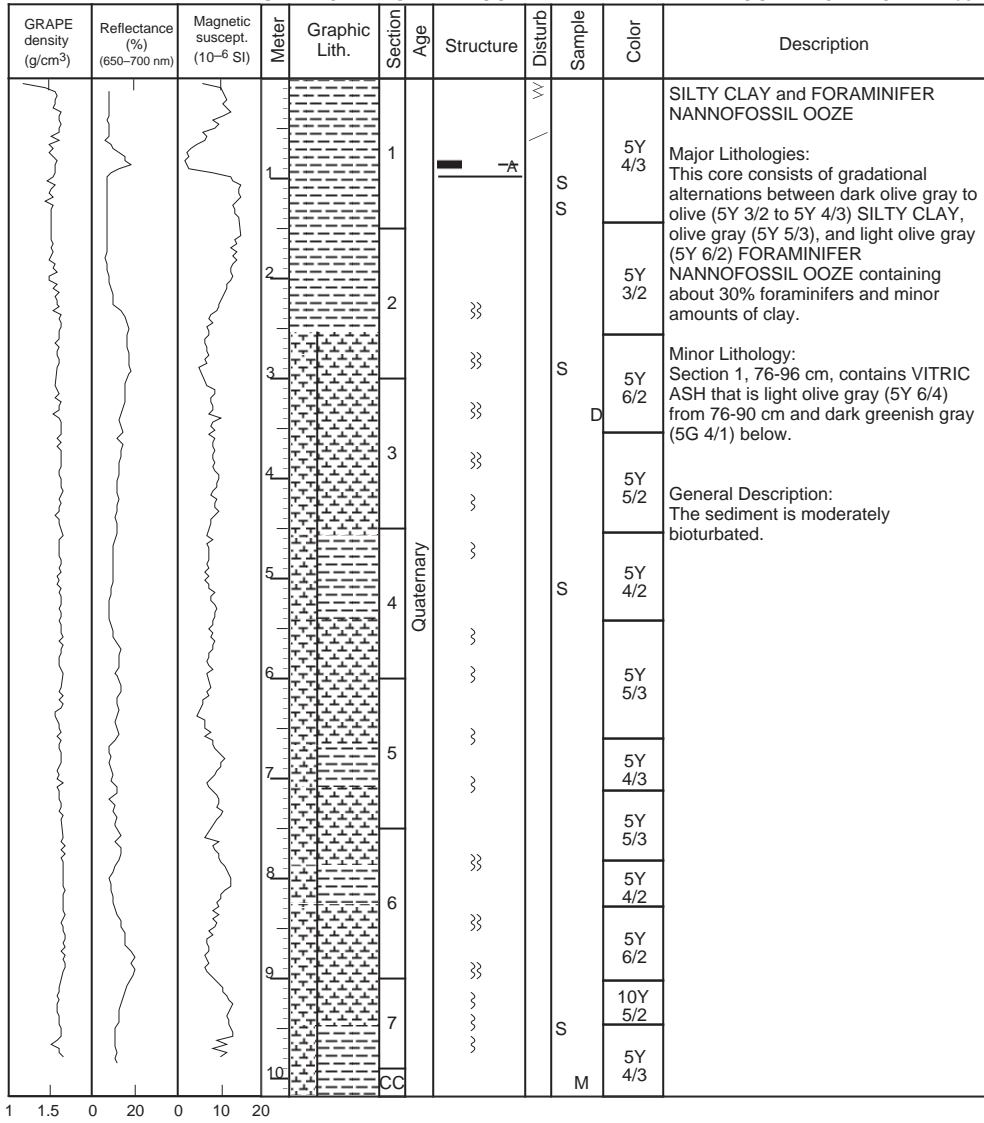
Major Lithologies:
This core consists of gradational alternations between grayish olive to pale olive (10Y 4/2 to 5Y 5/3) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS containing about 20% foraminifers and olive gray to dark olive gray (5Y 5/2 to 5Y 3/1) NANNOFOSSIL CLAY WITH SILT.

Minor Lithology:
An interval of dark olive gray (5Y 3/2) SILTY CLAY occurs in Section 1, 95-130 cm, consisting of 65% clay and quartz and feldspar silt.

General Description:
The sediments are moderately bioturbated. A strong hydrogen sulfide odor was emitted after spitting.

SITE 1012 HOLE A CORE 7H

CORED 52.2 - 61.7 mbsf

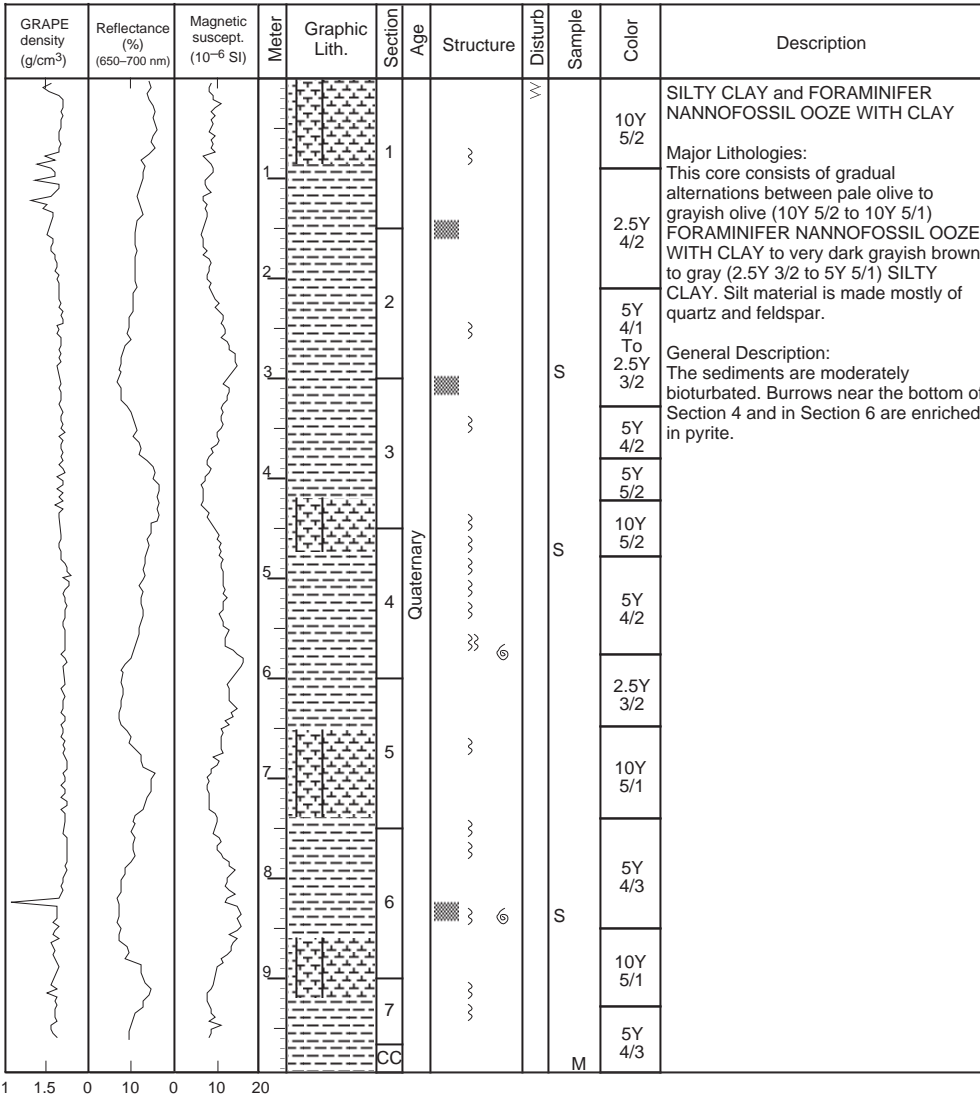


SITE 1012 HOLE A CORE 8H CORED 61.7 - 71.2 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (650-700 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 1.5 0	0 10	0 10	1	[Cross-hatch pattern]	1					10Y 5/2	<p>SILTY CLAY, NANNOFOSSIL OOZE and NANNOFOSSIL OOZE WITH CLAY</p> <p>Major Lithologies: This core is composed of dark grayish brown (2.5Y 4/2) to dark olive gray (5Y 3/2) SILTY CLAY, grayish olive (10Y 5/1) NANNOFOSSIL OOZE WITH CLAY, and light olive gray (5Y 6/2) NANNOFOSSIL OOZE which show a m-scale alternation in the lower half of the core. The boundaries are gradational.</p> <p>General Description: The core is homogeneous in its upper half and slightly to moderately bioturbated in its lower half.</p>
			2	[Horizontal line pattern]	2				5Y 4/2		
			3	[Vertical line pattern]	3			S	5Y 3/2		
			4	[Horizontal line pattern]	4	Quaternary				5Y 6/2	
			5	[Cross-hatch pattern]	5			S	10Y 5/1		
			6	[Horizontal line pattern]	6			S	2.5Y 4/2		
			7	[Vertical line pattern]	7				5Y 6/2		
			8	[Horizontal line pattern]	8				2.5Y 3/2		
			9	[Cross-hatch pattern]	9				5Y 6/2		
			10	[Horizontal line pattern]	10	CC			5Y 4/2		

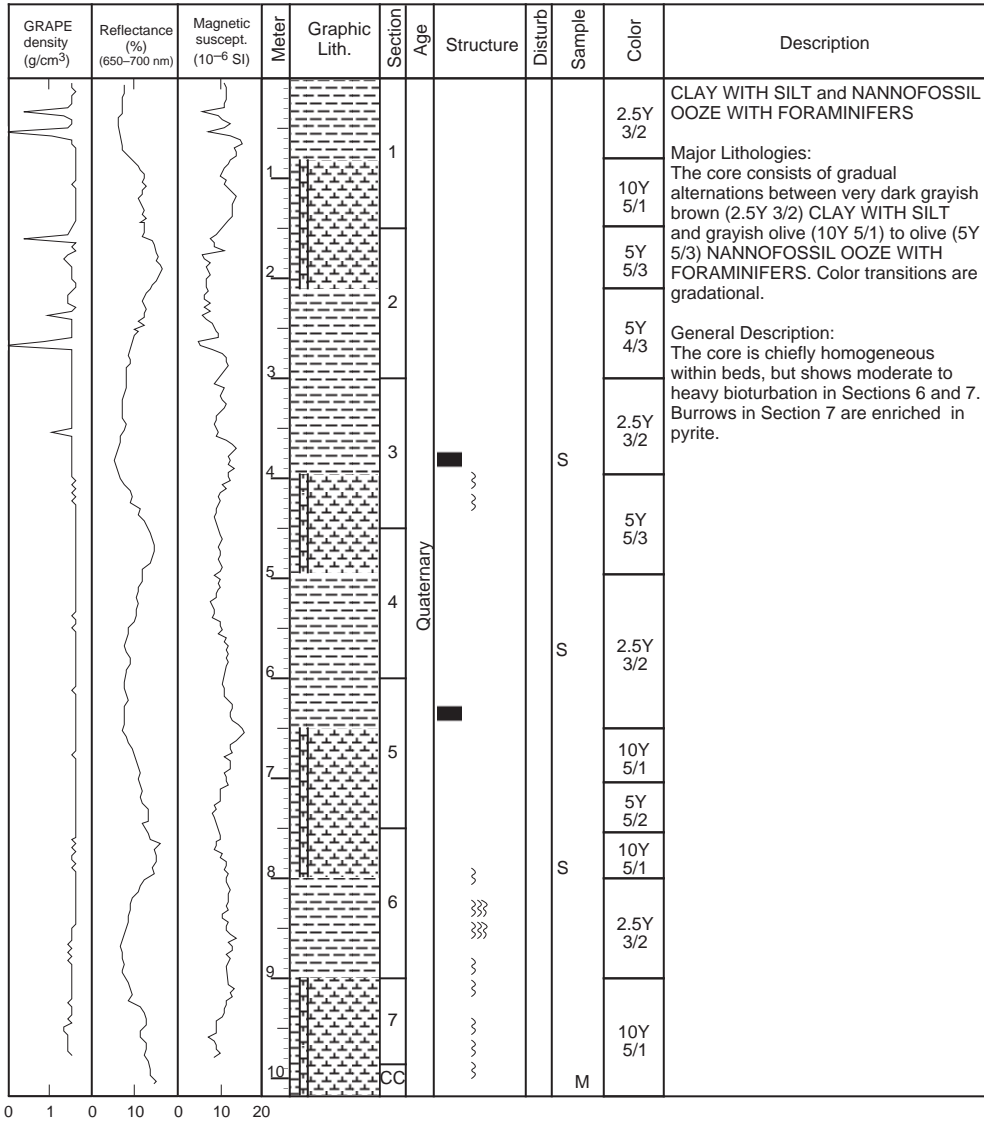
1 1.5 0 0 10 20

SITE 1012 HOLE A CORE 10H CORED 80.7 - 90.2 mbsf

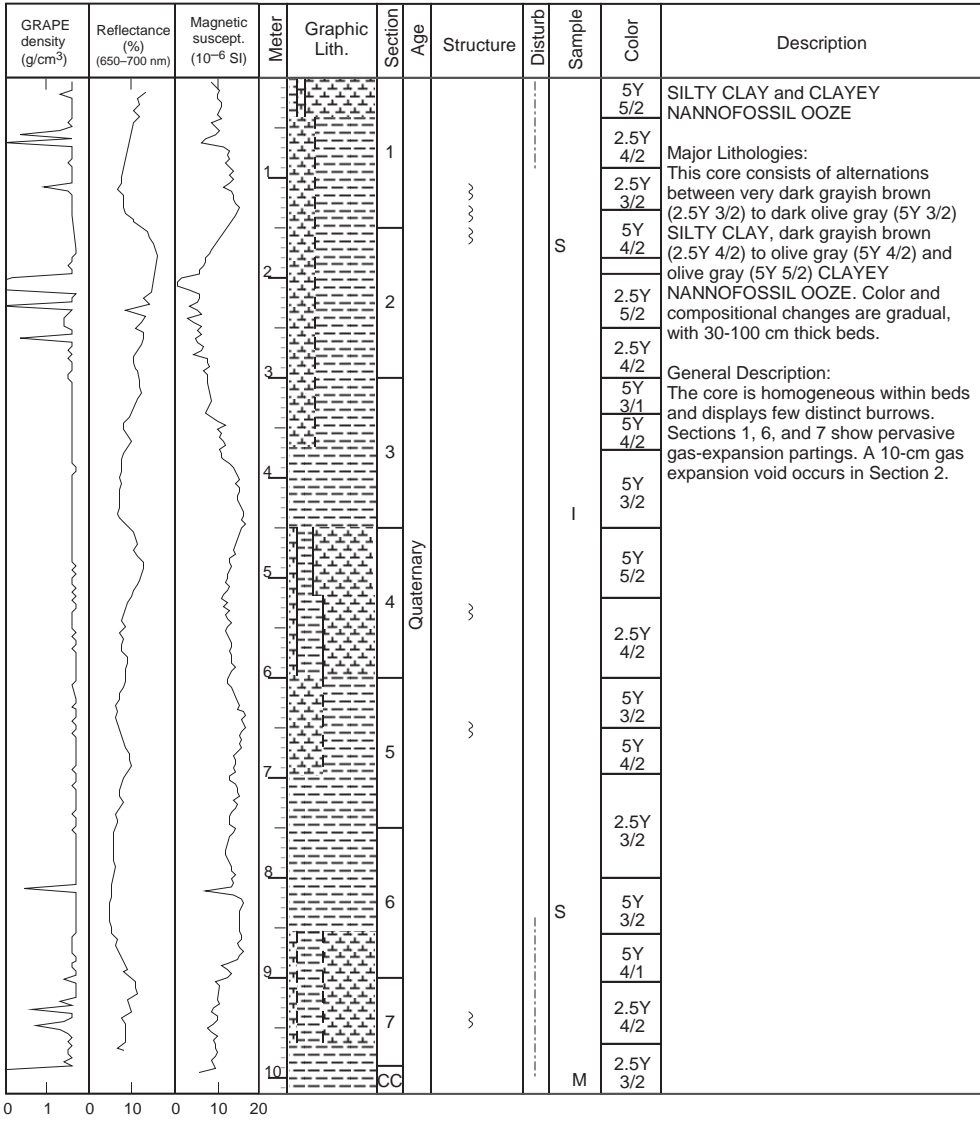


SITE 1012 HOLE A CORE 11H

CORED 90.2 - 99.7 mbsf



SITE 1012 HOLE A CORE 12H CORED 99.7 - 109.2 mbsf



SITE 1012 HOLE A CORE 13H

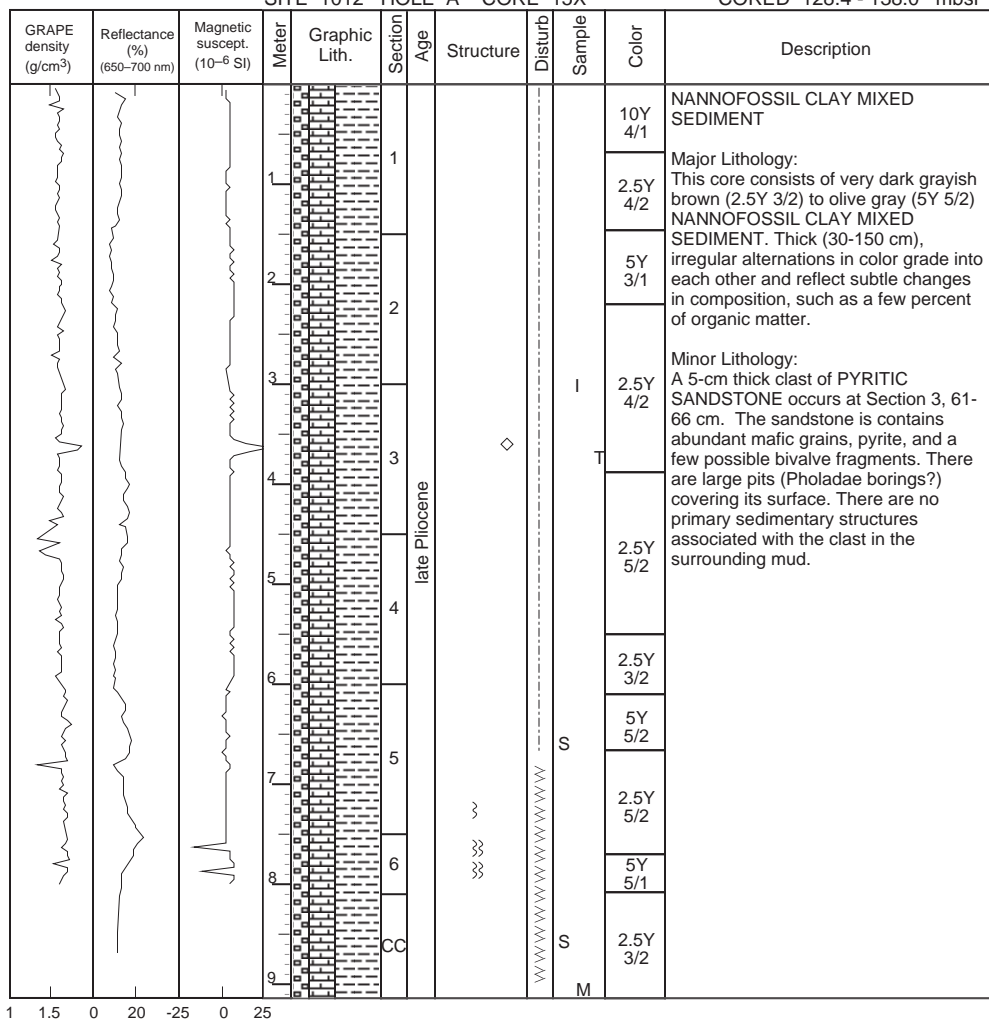
CORED 109.2 - 118.7 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (650-700 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1					2.5Y 3/2	<p>SILTY CLAY WITH NANNOFOSSILS OR FORAMINIFERS and NANNOFOSSIL OOZE WITH CLAY</p> <p>Major Lithologies: This core consists of irregular alternations between dark olive gray (5Y 3/2) to very dark grayish brown (2.5Y 3/2) SILTY CLAY WITH NANNOFOSSILS OR FORAMINIFERS and olive gray (5Y 4-5/2) to light brownish gray (2.5Y 6/2) NANNOFOSSIL OOZE WITH CLAY. Both lithologies contain abundant silt-sized calcite fragments that may be remnants of partially dissolved foraminifers. Most color and composition units average about 50 cm in thickness, but locally vary from 20-200 cm.</p> <p>General Description: Distinct burrows are rare. Sections 1 and 3 are disrupted by pervasive bedding-parallel gas-expansion voids. An 8-cm gas expansion void occurs in Section 1.</p>
			2		2			S	5Y 4/2		
			3		3		}}		5Y 5/1		
			4		3		}}	S	2.5Y 3/2		
			5		4	late Pliocene			5Y 4/2		
			6		4				5Y 3/2		
			7		5		}}		5Y 6/2		
			8		5		}}		2.5Y 4/2		
			9		6		}}		5Y 4/1		
			10		6		}}		2.5Y 6/2		
					7		}}		5Y 5/2		
					7		}}		5Y 4/2		
					7		}}		5Y 3/2		
					7		}}		5Y 4/3		
					7		}}	S	2.5Y 4/2		
					CC			M			

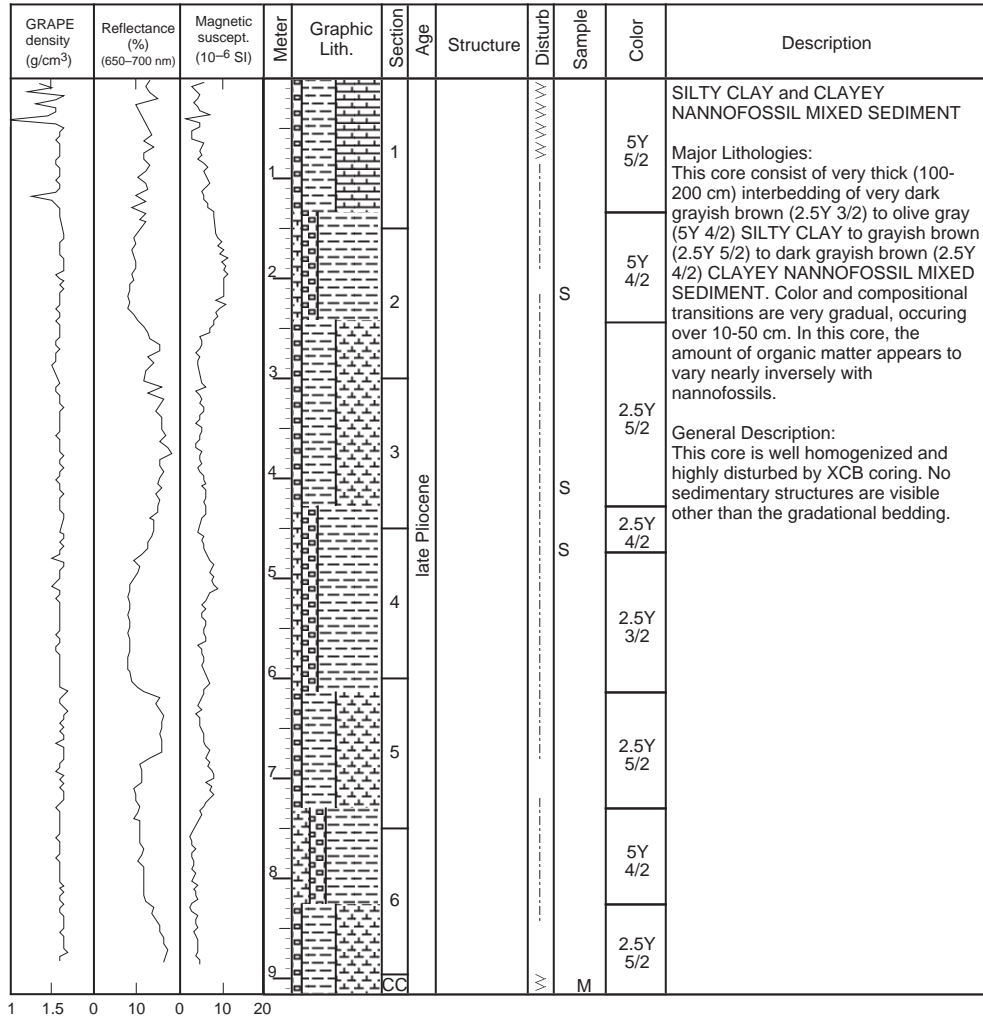
0 1 0 10 0 10 20

SITE 1012 HOLE A CORE 15X

CORED 128.4 - 138.0 mbsf

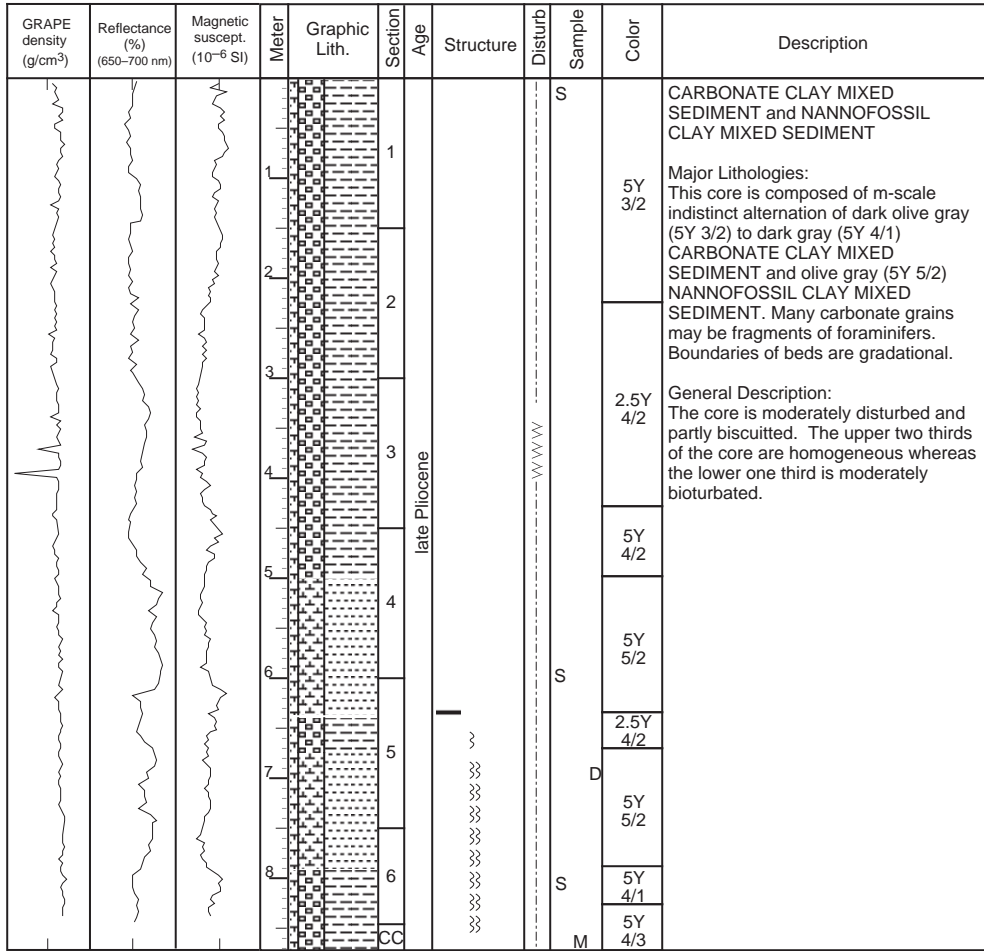


SITE 1012 HOLE A CORE 16X CORED 138.0 - 147.6 mbsf



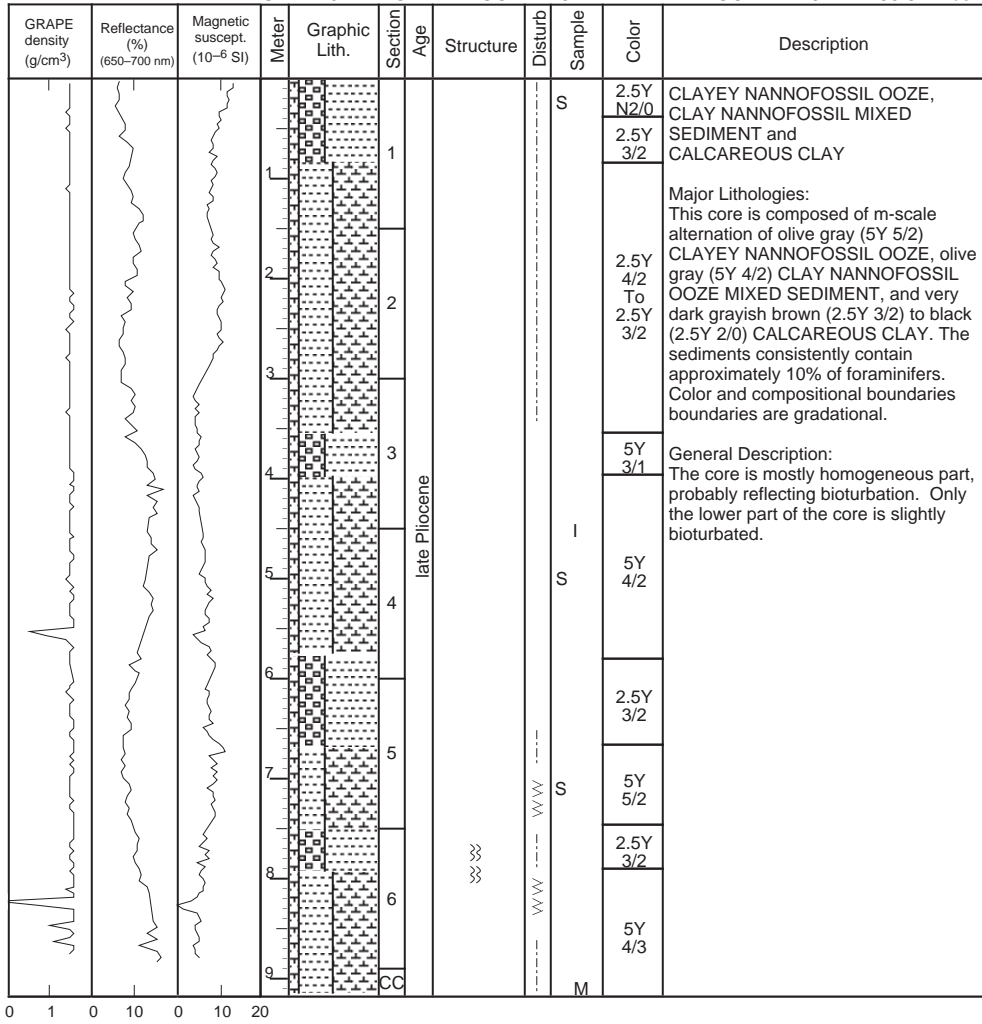
SITE 1012 HOLE A CORE 17X

CORED 147.6 - 157.2 mbsf



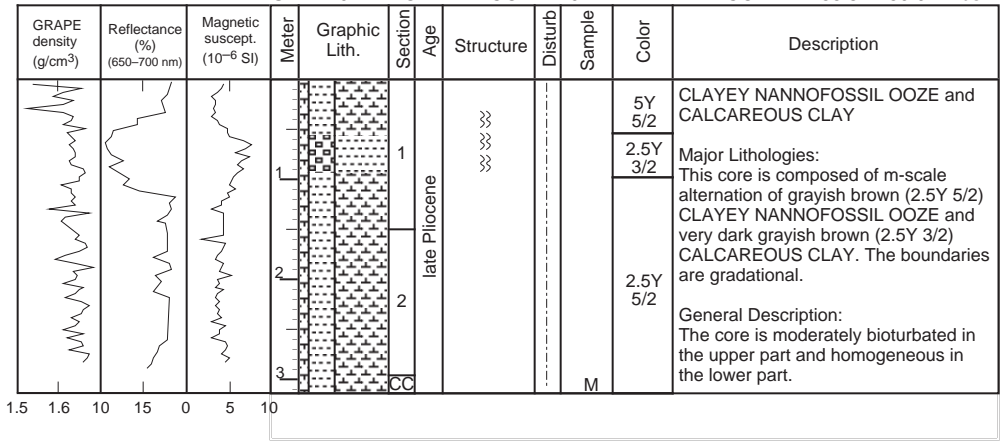
1 1.5 0 10 0 10 20

SITE 1012 HOLE A CORE 18X CORED 157.2 - 166.8 mbsf



SITE 1012 HOLE A CORE 19X

CORED 166.8 - 169.9 mbsf



SITE 1012 HOLE A CORE 20X CORED 169.9 - 178.5 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (650-700 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1 2 0 20 0 10 20			1 2 3 4 5 6 7 8 9		1 2 3 4 5 6 7	late Pliocene	}		T D T	5Y 6/3	NANNOFOSSIL CLAY MIXED SEDIMENT
										5Y 5/2	Major Lithology: This core consists of light olive gray to very dark grayish brown (5Y 6/2 to 2.5Y N3/0) NANNOFOSSIL CLAY MIXED SEDIMENT. Composition varies between 40%-80% clay content with clay-rich intervals being darker colored. Minor Lithology: Section 1, 0-14 cm, consists of light gray (5Y 6/1) DOLOSTONE. General Description: Sediments show moderate bioturbation. The XCB caused moderate disturbance of this core creating "drilling biscuits" throughout the entire interval.
										2.5Y N3/0	
										5Y 5/2	
										2.5Y 4/2	
										5Y 4/3	
										5Y 5/2	
										5Y 6/2	
										2.5Y 4/4	
										2.5Y 4/2	
										2.5Y 3/2	
										5Y 4/2	
5Y 3/2											

SITE 1012 HOLE A CORE 21X CORED 178.5 - 188.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		}}	∇	S	5Y 3/2	SILTY CLAYSTONE and NANNOFOSSIL CHALK WITH CLAY
2		2		}}	∇	S	5Y 5/2	Major Lithologies: This core consists of dark olive gray (5Y 3/2) SILTY CLAYSTONE and grayish yellow (10Y 7/2) NANNOFOSSIL CHALK WITH CLAY. Contacts between lithologies are gradational.
3		3		}}	∇	S	5Y 6/3	General Description: Sediments show slight bioturbation. The XCB caused moderate disturbance of this core creating "drilling biscuits" throughout the entire interval.
4		3		}}	∇		5Y 5/2	Note: Section CC, 21-78 cm, was extruded on drill floor while coring and stratigraphic orientation is unknown.
5		4	late Pliocene	}}	∇		5Y 3/2	
6		4		}}	∇	I	10Y 7/2	
7		5		}}	∇		5Y 5/2	
8		6		}}	∇		5Y 4/3	
		CC		}}	∇		5Y 5/2	



SITE 1012 HOLE A CORE 22X CORED 188.0 - 197.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	late Pliocene	}}		S	10Y 5/2	<p>NANNOFOSSIL CHALK WITH CLAY and CARBONATE CLAY MIXED SEDIMENT</p> <p>Major Lithologies: This core consists of olive to olive gray (5Y 5/4 to 5Y 4/2) CARBONATE CLAY MIXED SEDIMENT and pale olive (10Y 5/2 to 5Y 6/3) NANNOFOSSIL CHALK WITH CLAY. Composition of both lithologies is variable.</p> <p>General Description: Sediments are slightly bioturbated. The XCB caused moderate disturbance of this core creating "drilling biscuits" throughout the entire interval.</p>
1		1		}}			5Y 6/3	
2		2		}}		S	5Y 4/2	
3		3		}}			5Y 5/2	
4		3		}}			5Y 5/4	
5		4		}}		S	5Y 5/3	
6		4		}}				
7		5	}}		M			
7		5	}}					
		CC						

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1					5Y 5/2	<p>NANNOFOSSIL CHALK WITH CLAY</p> <p>Major Lithology: This core consists of olive gray to olive (5Y 5/3 to 5Y 4/2) NANNOFOSSIL CHALK WITH CLAY. Clay content varies between 10%-20%.</p> <p>General Description: Sediments are slightly bioturbated. The XCB caused moderate disturbance of this core creating "drilling biscuits" throughout the entire interval.</p>
2		2		~		S	5Y 4/2	
3		3		~ ~ ~			5Y 5/2	
4			late Pliocene	~ ~				
5		4		~				
6		5		~			5Y 5/3	
7		6				S		
8		CC				M		

SITE 1012 HOLE A CORE 24X CORED 207.3 - 216.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
1		1	late Pliocene	}	}	S	5Y 4/3	CLAYEY CARBONATE MIXED SEDIMENT Major Lithology: This core consists of olive gray to olive (5Y 5/3 to 5Y 4/2) CLAYEY CARBONATE MIXED SEDIMENT consisting of 10%-40% clay, 30%-60% nannofossils, and about 10% foraminifers.	
2							5Y 5/3		
3							5Y 4/3	General Description: Sediments are slightly bioturbated. The XCB caused moderate disturbance of this core creating "drilling biscuits" throughout the entire interval.	
4							10Y 4/1		
5							5Y 6/2		
6							10Y 4/1		
7							10Y 6/2	I	5Y 4/3
8							5Y 5/4		
						S			
						M			



SITE 1012 HOLE A CORE 25X CORED 216.7 - 226.4 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		}}		S	5Y 4/2	CLAYEY CARBONATE MIXED SEDIMENT WITH VOLCANIC GLASS
							5Y 5/2	
2		2		}} }}		D	5Y 4/2	Major Lithology: This core consists of olive gray to very dark grayish brown (5Y 5/2 to 2.5Y 4/2) CLAYEY CARBONATE MIXED SEDIMENT WITH VOLCANIC GLASS. Clay content varies between 25%-50% with darker colored intervals associated with greater clay content. Foraminifers compose about 10% of the sediment.
							2.5Y 3/2	
3		3					5Y 4/3	Minor Lithology: Section 3, 36-40 cm, contains a VITRIC ASH layer.
4		4		-A				General Description: Sediments are slightly bioturbated. The XCB caused moderate disturbance of this core creating "drilling biscuits" throughout the entire interval. A void related to gas expansion occurs from Section 5, 98 cm, to Section 6, 4 cm.
5		5		}}				
6		6		}}				
7		7				S	2.5Y 4/2	
	Void							
8		8				M		
		CC						

SITE 1012 HOLE A CORE 26X CORED 226.4 - 236.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1	[Pattern]	1				S	5Y 5/2	<p>NANNOFOSSIL CHALK WITH CLAY and CLAYEY NANNOFOSSIL CHALK</p> <p>Major Lithologies: This core is composed of olive gray (5Y 5/2 to 5Y 4/2) NANNOFOSSIL CHALK WITH CLAY and CLAYEY NANNOFOSSIL CHALK.</p>
2	[Pattern]	2		~		S	5Y 4/2	
3	[Pattern]	3		■		S	5Y 4/3	<p>Minor Lithology: A 60-cm-thick bed of very dark grayish brown (2.5Y 3/2) CLAY CARBONATE MIXED SEDIMENT WITH SILT occurs in the upper part of Section 3.</p>
4	[Pattern]	3				S	5Y 4/2	<p>General Description: The entire core is biscuitted and moderately to highly fractured, rendering it difficult to observe sedimentary structures. Slight bioturbation is observable in a few horizons.</p>
5	[Pattern]	4	late Pliocene	~		S	2.5Y 3/2	
6	[Pattern]	4				S	5Y 4/3	
7	[Pattern]	5				S	5Y 5/2	
8	[Pattern]	6				S	5Y 5/2	
9	[Pattern]	7				S	5Y 5/2	
	[Pattern]	CC				M		

SITE 1012 HOLE A CORE 27X

CORED 236.0 - 244.6 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	early Pliocene	}		S	5Y 4/2	<p>CLAYEY NANNOFOSSIL MIXED SEDIMENT and NANNOFOSSIL CHALK WITH CLAY</p> <p>Major Lithologies: This core consists of light olive gray (5Y 6/2) NANNOFOSSIL CHALK WITH CLAY gradationally alternating with olive (5Y 5/3) CLAYEY NANNOFOSSIL MIXED SEDIMENT.</p> <p>General Description: Sediments are slightly bioturbated. "Drilling biscuits" occur throughout the entire interval.</p>
2		2					5Y 6/2	
3		3				D S	5Y 5/3	
4		4					I	
5		4				S	5Y 5/3	
6		5					5Y 6/2 To 5Y 5/2	
7		CC				M		

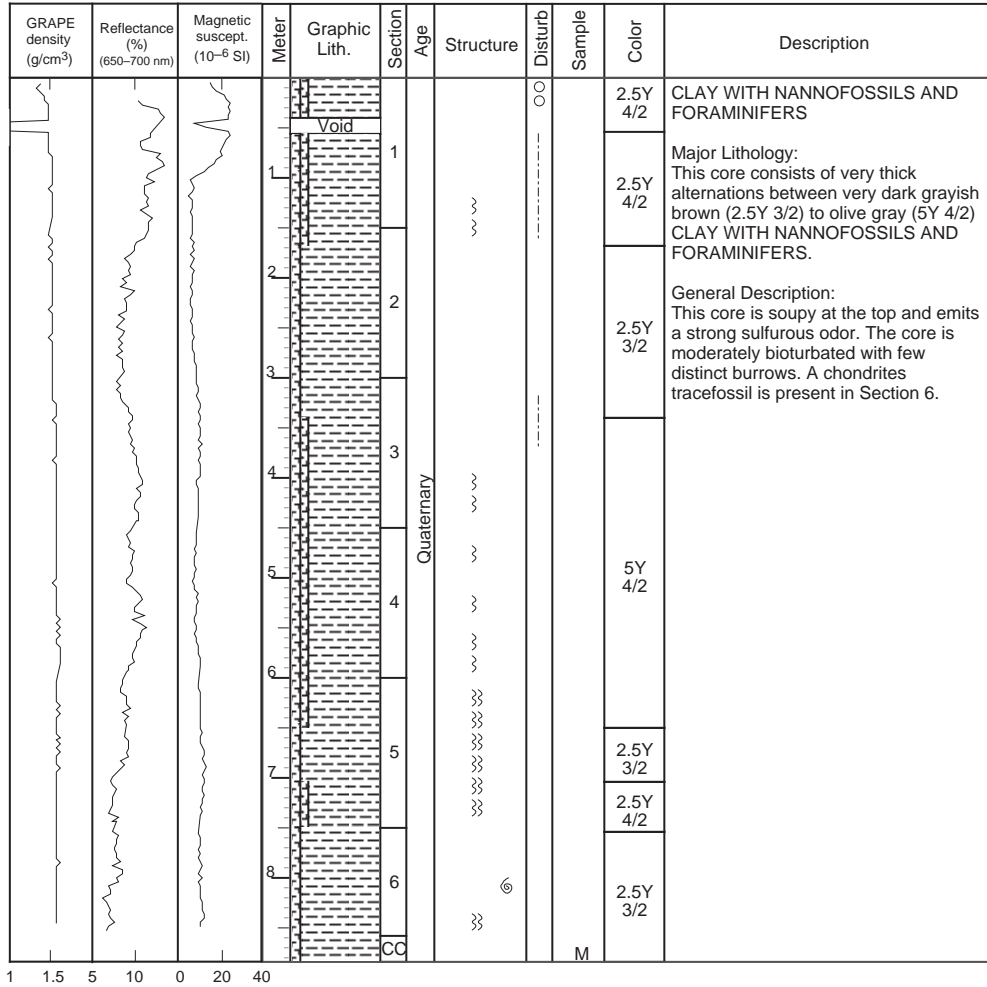


SITE 1012 HOLE A CORE 30X CORED 263.9 - 273.5 mbsf

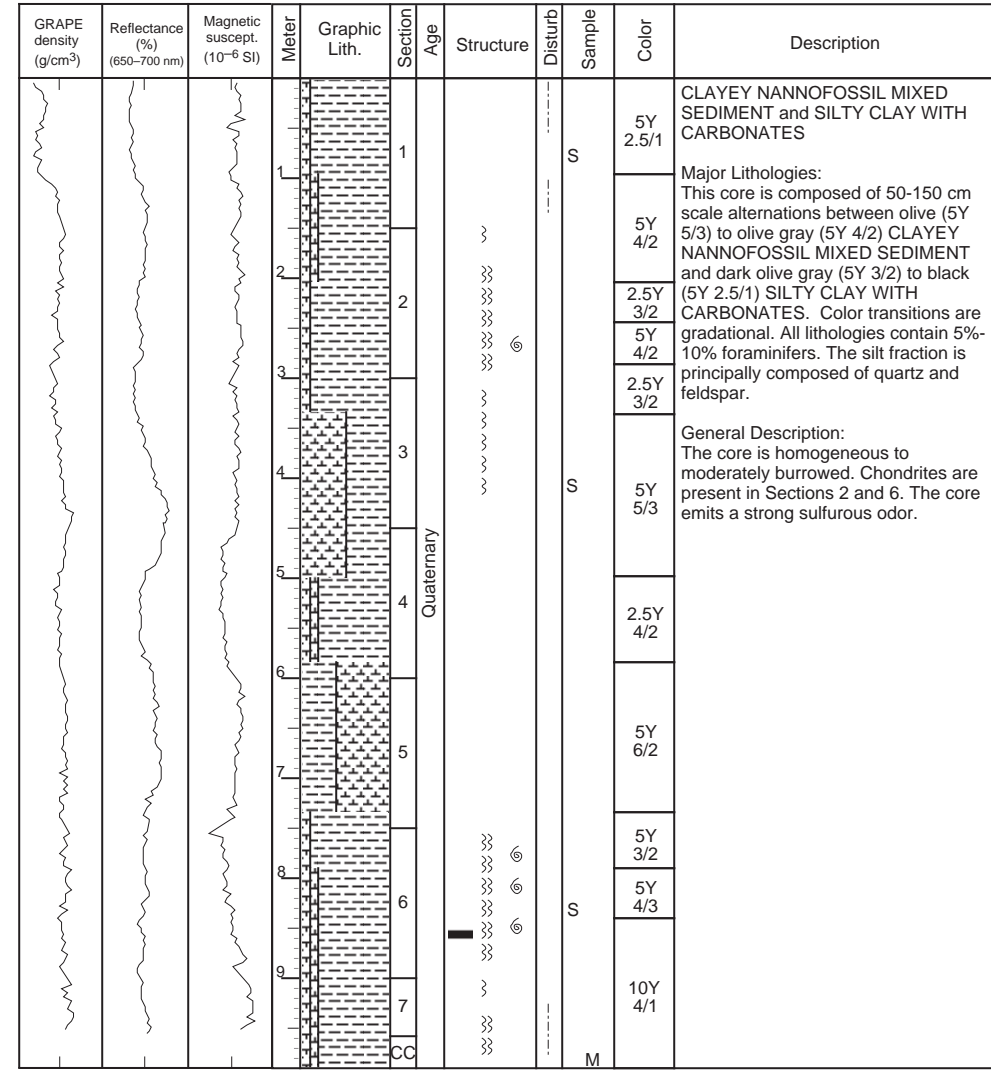
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		}}			5Y 3/2	NANNOFOSSIL CHALK, CLAY WITH CARBONATE and SILTY CLAY WITH CARBONATE
		2		}}>>			2.5Y 3/2	
2				}}		S	10Y 5/1	Major Lithologies: This core consists of approximately 50-cm alternations between light olive gray (5Y 6/2) NANNOFOSSIL CHALK, grayish brown (2.5Y 5/1) CLAY WITH CARBONATE, and very dark grayish brown (2.5Y 3/2) SILTY CLAY WITH CARBONATE. Color transitions are gradual over centimeters to decimeters.
		3		}}			2.5Y 5/2	
3				}}		S	5Y 6/2	Minor Lithology: Section 1, 0-28 cm, contains dark olive gray (5Y 3/2) DOLOSTONE that is bioturbated and contains visible foraminifers. It has a sharp contact with the underlying sediment.
		4		}}>>			2.5Y 3/2	
4		4		}}			5Y 4/3	General Description: Discernible bioturbation is markedly increased in this core and includes Zoophycos and Chondrites. The core is locally fractured into segments.
5		5	late Miocene	}}			2.5Y 3/2	
6				}}		S	5Y 5/2	
		6		}}			2.5Y 3/2	
7		6		}}>>		S	10Y 4/1	
				}}			2.5Y 3/2	
8				}}			10Y 4/1	
		7		}}			2.5Y 3/2	
9				}}			5Y 4/2	
		8		}}			5Y 3/2	
10		CC		}}		M	5Y 4/2	

SITE 1012 HOLE B CORE 1H

CORED 0.0 - 8.8 mbsf

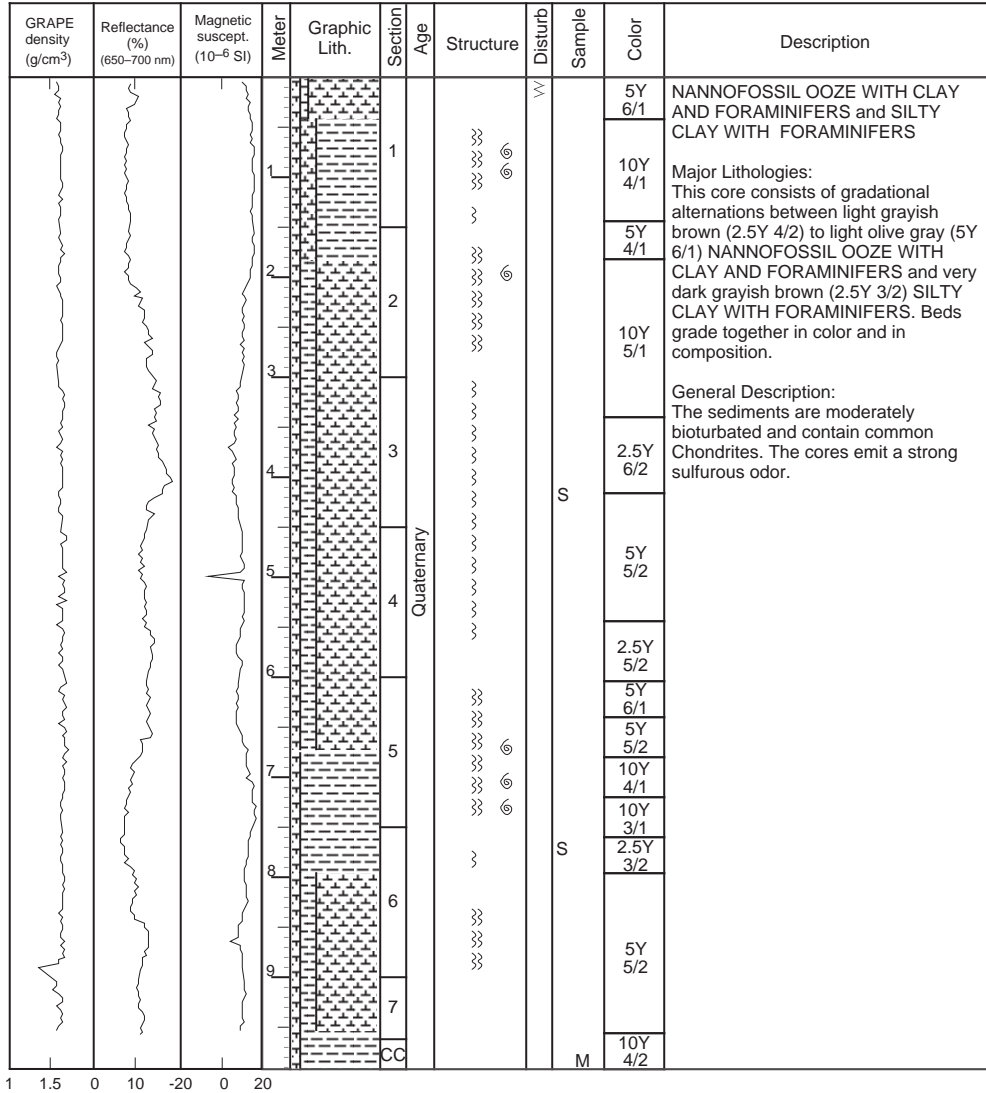


SITE 1012 HOLE B CORE 2H CORED 8.8 - 18.3 mbsf



1.4 1.6 0 10 0 10 20

SITE 1012 HOLE B CORE 4H CORED 27.8 - 37.3 mbsf



SITE 1012 HOLE B CORE 5H

CORED 37.3 - 46.8 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (650-700 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1					5Y 4/2	<p>CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and NANNOFOSSIL CLAY WITH SILT</p> <p>Major Lithologies: This core is composed of gradational alternations between light olive gray (5Y 6/2) to olive (5Y 5/3) CLAYEY NANNOFOSSIL OOZE WITH FORAMINIFERS and dark to medium olive gray (5Y 5/2 to 5Y 5/3) NANNOFOSSIL CLAY WITH SILT.</p> <p>General Description: The core is moderately disturbed by coring and gas expansion partings. Decreased sulfurous odor from this core.</p>
			2		2		5Y 3/2				
			3		3		2.5Y 4/2				
			4		3		5Y 5/2				
			5		4		2.5Y 4/2				
			6		4	Quaternary	5Y 6/2				
			7		5		5Y 4/2				
			8		6		10Y 4/1				
			9		5		5Y 3/2				
					7		5Y 5/2				
					8		5Y 3/2				
					9		5Y 4/2				
		CC						M			

SITE 1012 HOLE B CORE 8H

CORED 65.8 - 75.3 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (650-700 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1		1					2.5Y 5/2	<p>NANNOFOSSIL OOZE WITH CLAY AND FORAMINIFERS and CLAYEY NANNOFOSSIL MIXED SEDIMENT</p> <p>Major Lithologies: This core consists of light olive gray to gray (5Y 6/2 to 5Y 5/1) NANNOFOSSIL OOZE WITH CLAY AND FORAMINIFERS and very dark grayish brown to olive (2.5Y 3/2 to 5Y 5/3) CLAYEY NANNOFOSSIL MIXED SEDIMENT. Foraminifers compose about 10%-15% of the sediment. Color changes are gradual.</p> <p>Minor Lithology: Section 1, 9 cm, contains medium light gray (N6) VITRIC VOLCANIC ASH.</p> <p>General Description: Sediments are slightly bioturbated.</p>
			2						2.5Y 3/2		
			2.5Y 4/2								
			2.5Y 3/2								
			3				5Y 3/2				
			4				5Y 6/2				
			5				2.5Y 3/2				
			6				5Y 7/1				
			6				5Y 6/2				
			7				2.5Y 4/2				
8			5Y 6/2								
9			5Y 5/3								
10			5Y 5/2								
			10Y 5/1								
			2.5Y 4/2								
			5Y 4/2								

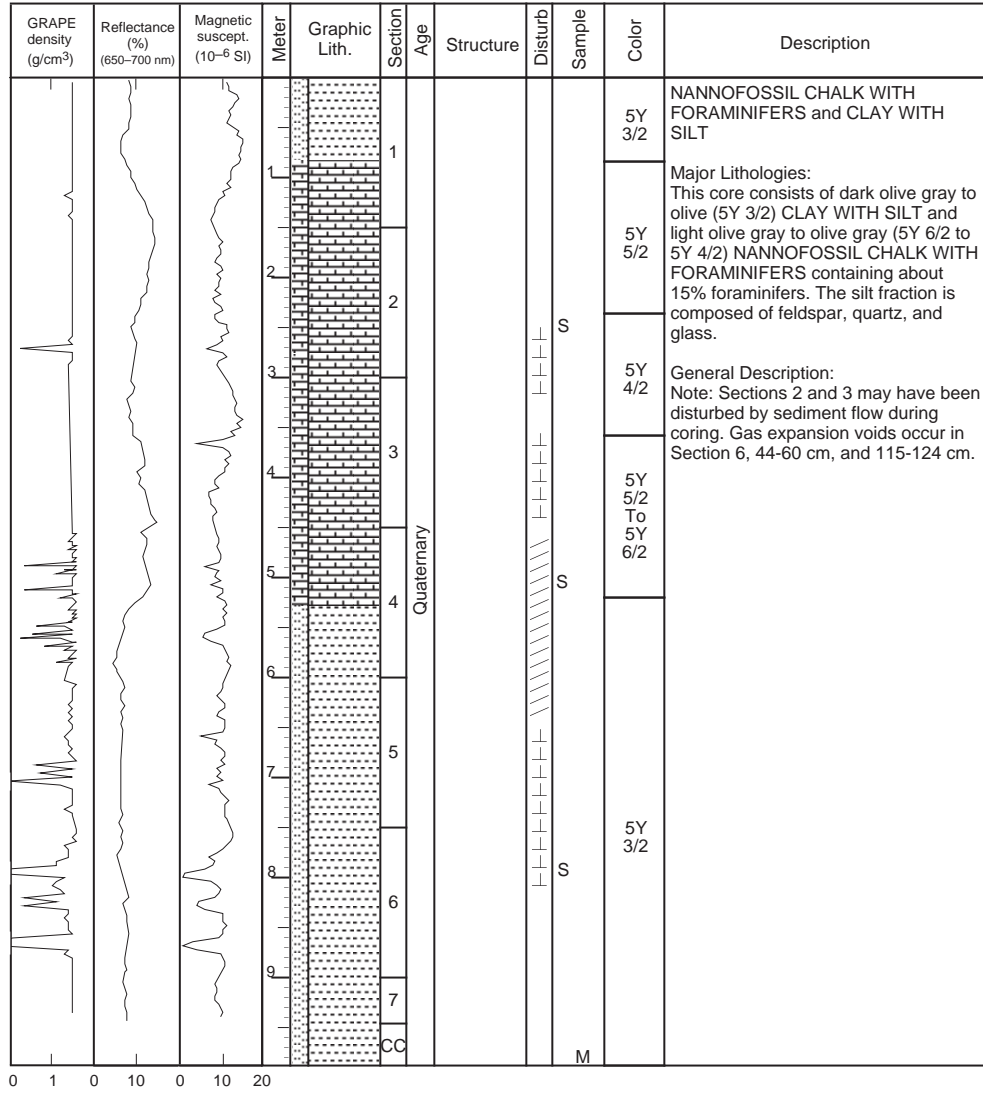
0 1 0 10 0 10 20

SITE 1012 HOLE B CORE 10H CORED 84.8 - 94.3 mbsf

GRAPE density (g/cm ³)	Reflectance (%) (650-700 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
					1	Quaternary	}	-	S	5Y 4/2	<p>CLAY WITH SILT and NANNOFOSSIL CHALK WITH FORAMINIFERS</p> <p>Major Lithologies: This core consists of dark olive gray to olive (5Y 3/2 to 5Y 4/3) CLAY WITH SILT and pale olive (10Y 5/2) NANNOFOSSIL CHALK WITH FORAMINIFERS containing about 15% foraminifers.</p> <p>General Description: The sediment is slightly bioturbated and shows reduction haloes in Section 1, 100 cm, through CC.</p>
										5Y 3/2	
										5Y 4/2	
										10Y 5/2	
1	1.5	5	10	0	10	20					

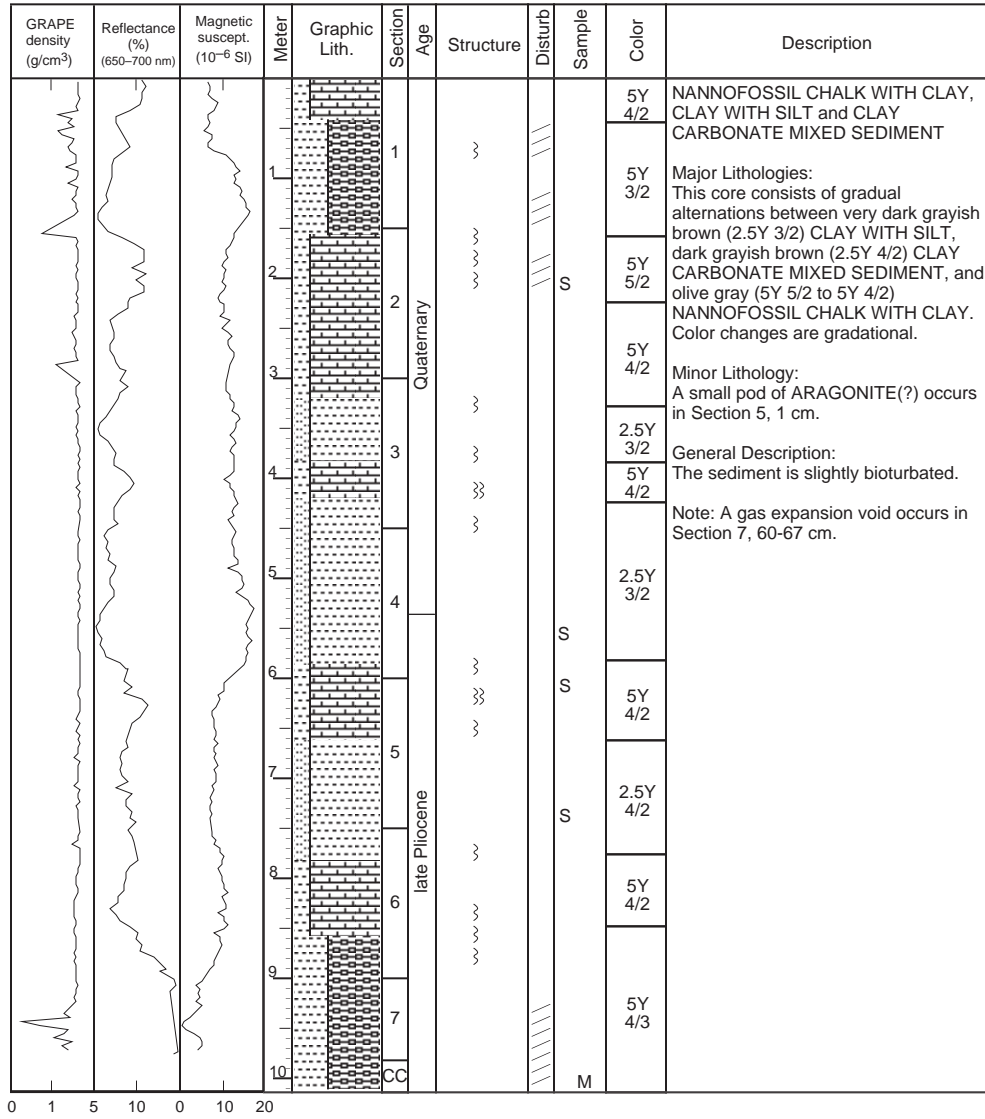
SITE 1012 HOLE B CORE 11H

CORED 94.3 - 103.8 mbsf

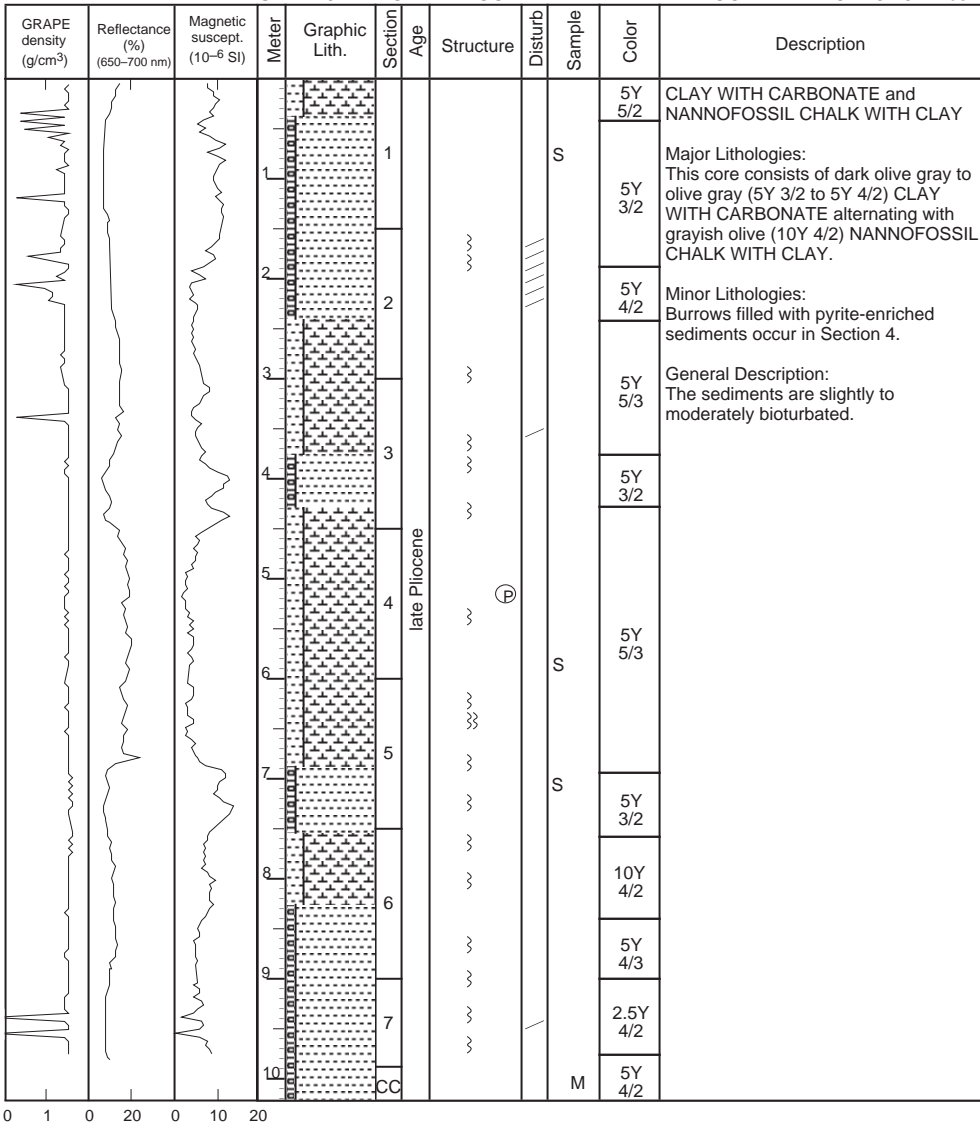


0 1 0 10 0 10 20

SITE 1012 HOLE B CORE 12H CORED 103.8 - 113.3 mbsf



SITE 1012 HOLE B CORE 14H CORED 122.8 - 132.3 mbsf



SITE 1012 HOLE C CORE 1H

CORED 0.0 - 6.6 mbsf

GRAPE density (g/cm ³)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		0								<p>CLAY WITH NANNOFOSSILS AND FORAMINIFERS</p> <p>Major Lithology: This core consists of olive gray to dark olive gray (5Y 4/2 to 5Y 3/2) CLAY WITH NANNOFOSSILS AND FORAMINIFERS.</p> <p>General Description: The sediments are homogenous or very slightly bioturbated.</p> <p>5Y 4/2 To 5Y 3/2</p>
		1		1						
		2		2						
		3		3	Quaternary					
		4		4						
		5		5						
		6		CC				M		

1.2 1.4 0 20 40

SITE 1012 HOLE C CORE 3H

CORED 16.1 - 25.6 mbsf

GRAPE density (g/cm ³)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section Age	Structure	Disturb	Sample	Color	Description
		1		1	}}	W W W M	M	10Y 4/1 To 10Y 3/1	<p>SILTY CLAY WITH FORAMINIFERS and NANNOFOSSIL OOZE WITH CLAY</p> <p>Major Lithologies: This core consists of olive gray to dark olive gray (5Y 5/2 to 5Y 3/2) SILTY CLAY WITH FORAMINIFERS gradationally alternating with pale olive to grayish olive (10Y 4/1 to 10Y 3/1) NANNOFOSSIL OOZE WITH CLAY. Sponge spicules are abundant and disseminated throughout the sediment.</p> <p>General Description: The sediment is slightly to moderately bioturbated.</p>
		2		2	}}			5Y 5/2	
		3		3	}}			5Y 3/2	
		4		4	}}			10Y 5/2	
		5		5	}}			10Y 4/1 To 10Y 3/1	
		6		6	}}			5Y 3/2	
		7		7	}}			5Y 5/3	
		8		8	}}				
		9		9	}}				
		CC		CC					

1.4 1.6 0 10 20

SITE 1012 HOLE C CORE 4H CORED 25.6 - 35.1 mbsf

GRAPE density (g/cm ³)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description	
		1		1			✓		10Y 4/2	NANNOFOSSIL OOZE WITH CLAY and SILTY CLAY WITH FORAMINIFERS	
		2		2		}}			5Y 3/2	Major Lithologies: This core consists of gradual alternations between dark olive gray to dark gray (5Y 3/2 to 5Y 5/3) SILTY CLAY WITH FORAMINIFERS and grayish olive to olive (10Y 4/2) NANNOFOSSIL OOZE WITH CLAY. Sponge spicules are abundantly disseminated throughout the core.	
		3		3		}}			5Y 5/3	General Description: The sediments are slightly to moderately bioturbated. Odors emitted from freshly split cores changes from sulfurous near the top (Section 1) to petroliferous below.	
		4		4	Quaternary	}}					
		5		5			}}			10Y 4/2	
		6		6			}}				
		7		7			}}			5Y 4/1	
		8		8			}}				
		9		9			}}				
		10		10	CC		}}		M		

1.25 1.5 0 10 20

SITE 1012 HOLE C CORE 6H CORED 44.6 - 54.1 mbsf

GRAPE density (g/cm ³)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1		1						CLAY WITH FORAMINIFERS and FORAMINIFER NANNOFOSSIL OOZE
		2		2		~			5Y 4/2	Major Lithologies: This core consists of gradational alternations between dark olive gray (5Y 3/2) and olive gray (5Y 5/2) CLAY WITH FORAMINIFERS and FORAMINIFER NANNOFOSSIL OOZE.
		3		3		~			10Y 4/2	Minor Lithologies: A light olive gray (5Y 6/4) to dark greenish gray (5G 4/1) VITRIC ASH occurs in Section 7. A sharp-based, graded QUARTZ FORAMINIFER SAND occurs at the base of Section 3.
		4		3		~			5Y 3/2	General Description: The core is moderately bioturbated. It contains scattered sponge spicule aggregates and emits a petroliferous odor.
		5		4	Quaternary	~	**		5Y 4/2	
		6		4		~			5Y 5/2	
		7		5		~			5Y 4/2	
		8		5		~			5Y 3/2	
		9		6		~			5Y 4/2	
		10		7		~			5Y 4/1	
				CC			-A	M		

0 1 0 10 20

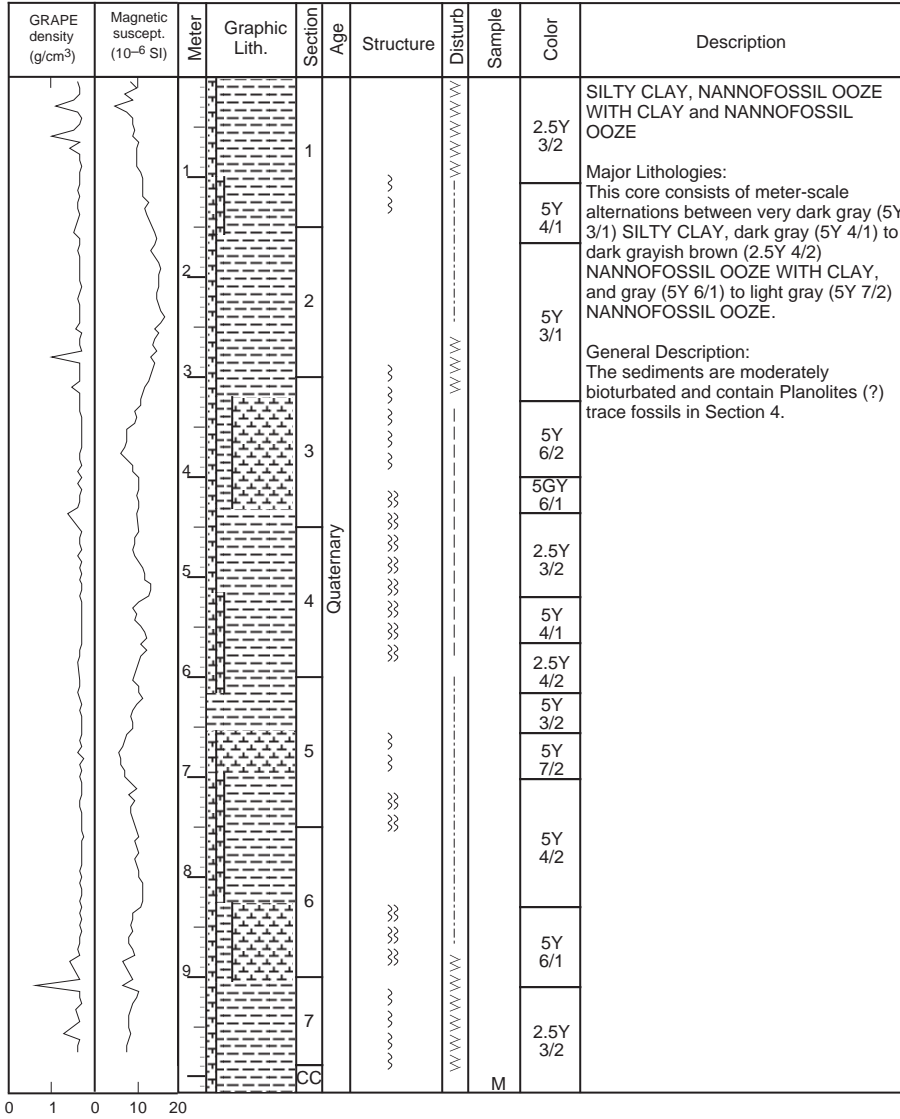
SITE 1012 HOLE C CORE 7H

CORED 54.1 - 63.6 mbsf

GRAPE density (g/cm ³)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1		1		~			2.5Y 3/2	<p>SILTY CLAY and FORAMINIFER NANNOFOSSIL OOZE</p> <p>Major Lithologies: This core consists of gradational alternations between very dark grayish brown (2.5Y 3/2) to olive gray (2.5Y 4/2) SILTY CLAY and olive gray (5Y 5/2) to light olive gray (5Y 6/2) FORAMINIFER NANNOFOSSIL OOZE.</p> <p>General Description: This core is slightly bioturbated. The core suffers considerable cracking and disturbance.</p>
		2		2	~	5Y 5/2				
		3		3	~	5Y 4/2				
		4		3	~	2.5Y 3/2				
		5		4	~	2.5Y 4/2				
		6		4	~	2.5Y 3/2				
		7		5	~	5Y 5/2				
		8		5	~	2.5Y 4/2				
		9		6	~	5Y 6/2				
		10		7	~	10Y 4/1				
			CC				M	2.5Y 3/2		

1 1.5 0 10 20

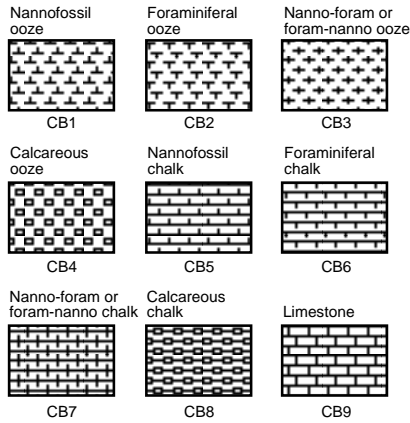
SITE 1012 HOLE C CORE 8H CORED 63.6 - 73.1 mbsf



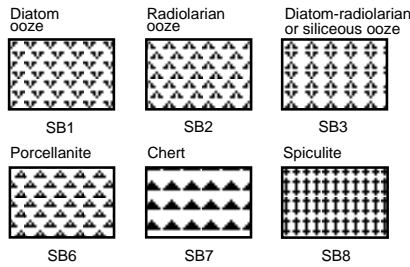
Key to symbols used in the “Graphic Lithology” column on the core description sheets.

Biogenic pelagic sediments

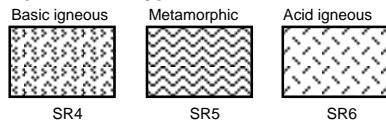
Calcareous



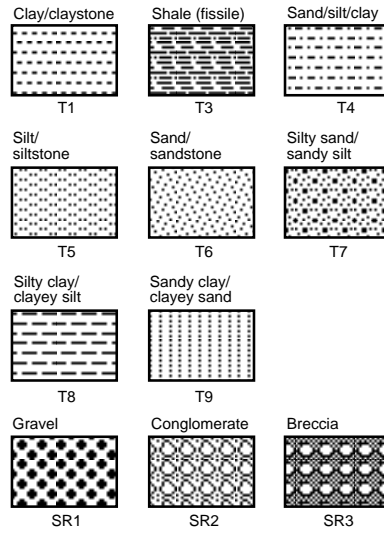
Siliceous



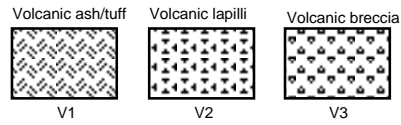
Special rock types



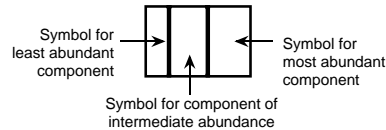
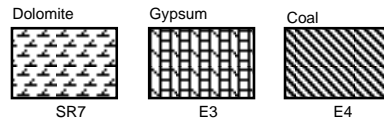
Siliciclastic sediments



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	Fining-upward sequence
- · - · - · -	↑	Interval over which primary sedimentary structure occur
~ ~ ~ ~ ~		Planar laminae
o o o o o	/ / / / /	Wedge-planar laminae/beds
Hard sediments		
/ / / / /	· · · · ·	Graded bedding (normal)
	· · · · ·	Graded bedding (reversed)
+ + + + +	— — — — —	Sharp contact
~ ~ ~ ~ ~	- - - - -	Gradational contact
+ + + + +	~ ~ ~ ~ ~	Scoured, sharp contact
~ ~ ~ ~ ~	~ ~ ~ ~ ~	Scoured contact with graded bed
x x x x x	■	Thick color bands (sharp contact)
	■	Thick color bands (gradational contact)
	■	Medium color bands (sharp contact)
	■	Medium color bands (gradational contact)
	■	Thin color bands (sharp contact)
	■	Thin color bands (gradational contact)
		Laminations (mm scale)
	■	Individual thick color band
	■	Individual medium color band
	■	Individual thin color band
	— — — — —	Individual lamination
	~ ~ ~ ~ ~	Wavy lamination
	/ / / / /	Cross laminae
	/ / / / /	Cross stratification
	/ / / / /	Cross bedding
	~ ~ ~ ~ ~	Convoluted/contorted bedding
	~ ~ ~ ~ ~	Flaser bedding
	△	Graded interval, normal
	<	Veins
	~ ~ ~ ~ ~	Water escape structure
	∪	Scour
	◇	Isolated pebbles/cobbles
	◆	Isolated mud clasts
	~ ~ ~ ~ ~	Slump blocks or slump folds
	~ ~ ~ ~ ~	Contorted slump
	X X X X X	Probable compaction fracture
	/ / / / /	Microfault (normal)
	/ / / / /	Microfault (thrust)
	/ / / / /	Macrofault
	X X X X X	Fracture
	X X X X X	Totally fractured
	~ ~ ~ ~ ~	Vein structures
	~ ~ ~ ~ ~	Color mottles
	~ ~ ~ ~ ~	Dolomite nodule/concretion
	D	Disseminated dolomite
	(P)	Pyrite nodule/concretion
	P	Disseminated pyrite
	(G)	Glauconite
	●	Concretions/nodules
	(Ba)	Barite nodule/concretion
	Ba	Disseminated barite
	(Ca)	Calcite nodule/concretion
	(C)	Carbonate nodule/concretion
	(Ch)	Chert nodule/concretion
	A●	Ash/pumice pods
	-A	Ash layer

Drilling disturbance symbols

Soft sediments

Slightly disturbed

Moderately disturbed

Highly disturbed

Soupy

Hard sediments

Slightly fractured

Moderately fractured

Highly fragmented

Drilling breccia

Sedimentary structures

Burrows, rare (<30% surface area)

Burrows, common (30%–60% surface area)

Burrows, abundant (>60% surface area)

Discrete *Zoophycos* trace fossil

Discrete *Chondrites* trace fossil

Sagarites sponge

Gastropods

Other bivalves

Shell fragments

Wood fragments

Fish debris