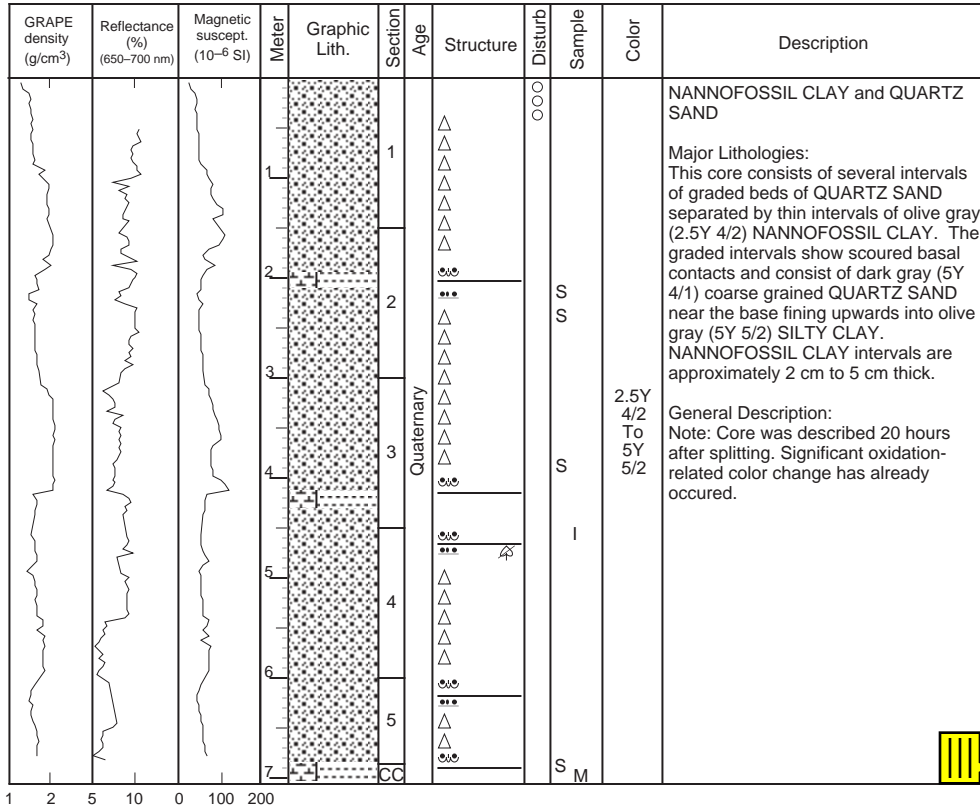


SITE 1015 HOLE A CORE 1H

CORED 0.0 - 7.0 mbsf

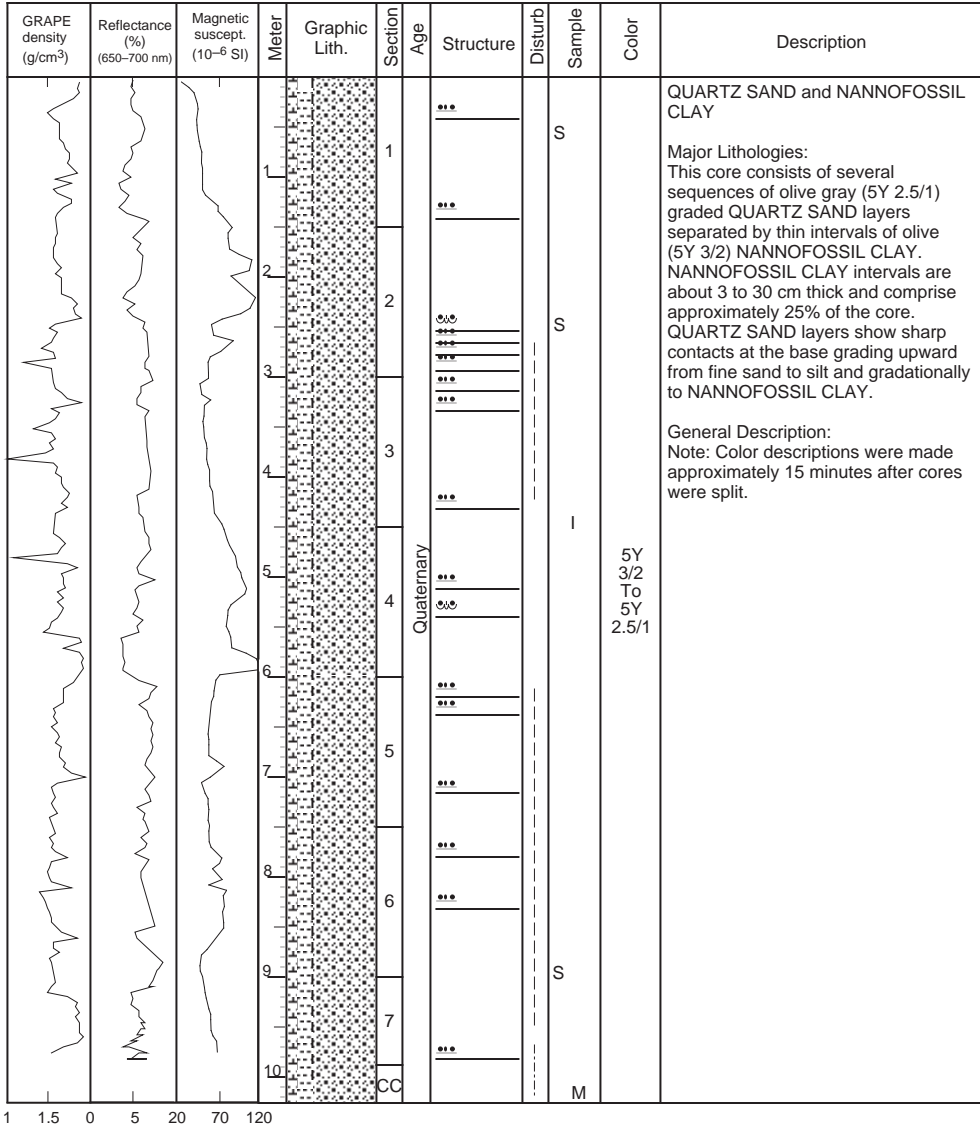


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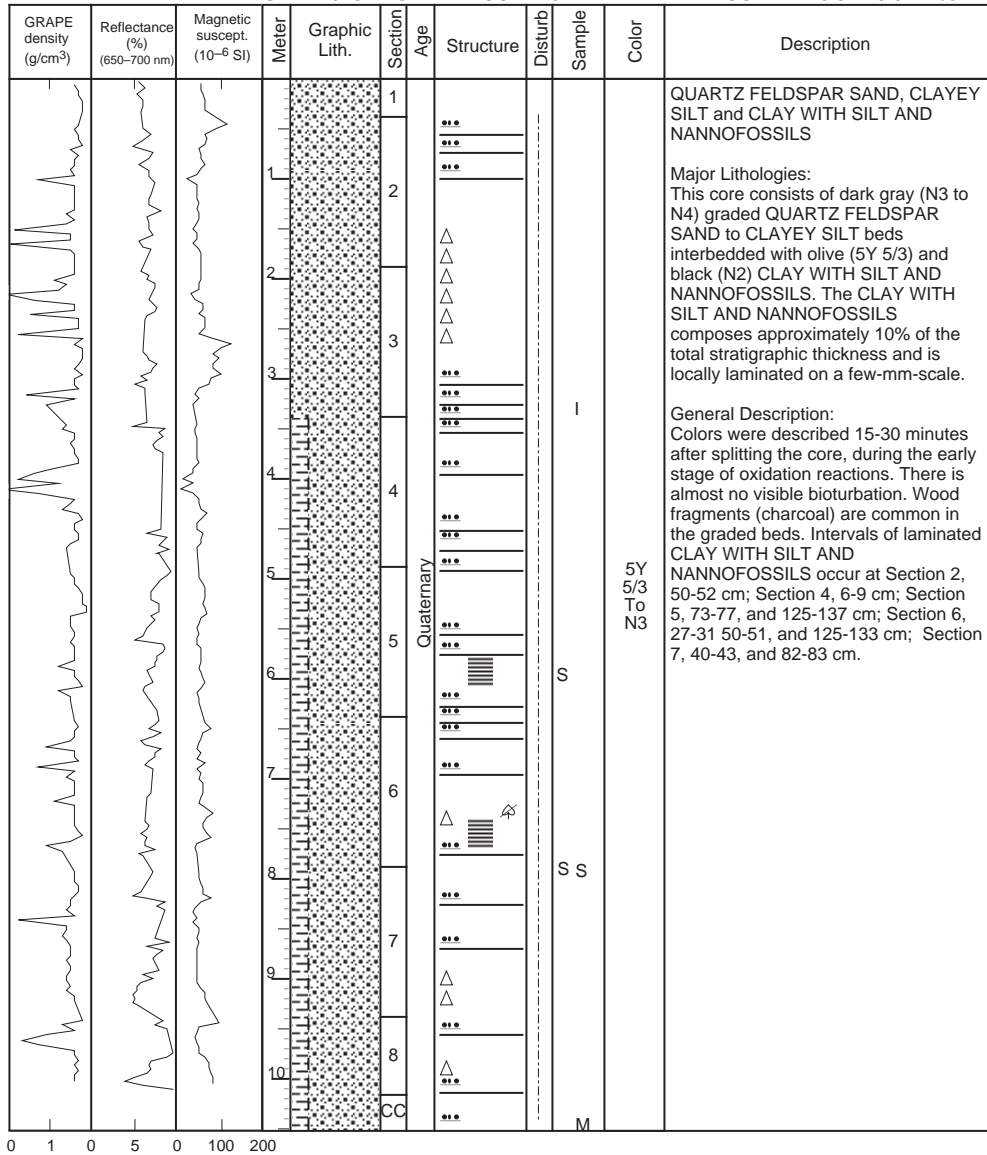
Next Chapter

SITE 1015 HOLE A CORE 2H CORED 7.0 - 16.5 mbsf



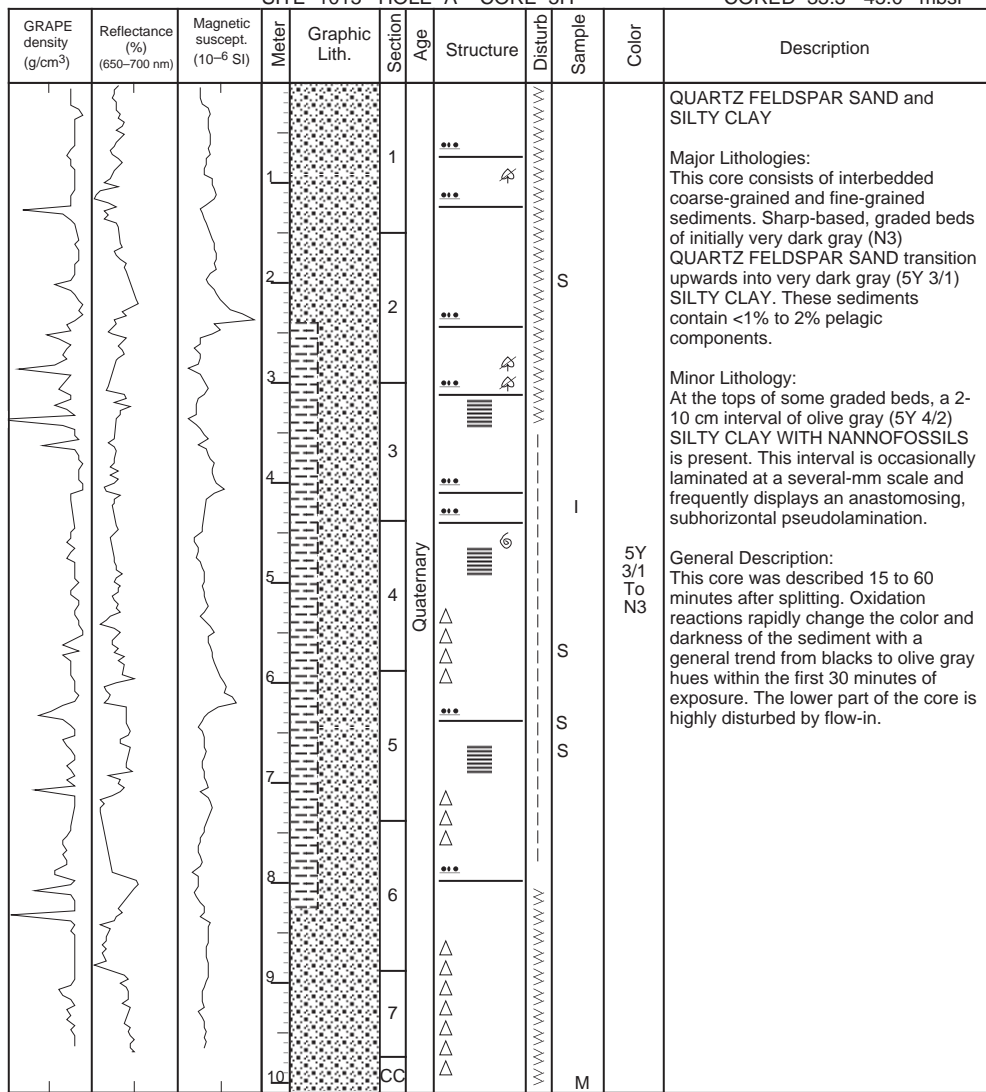
SITE 1015 HOLE A CORE 3H

CORED 16.5 - 26.0 mbsf



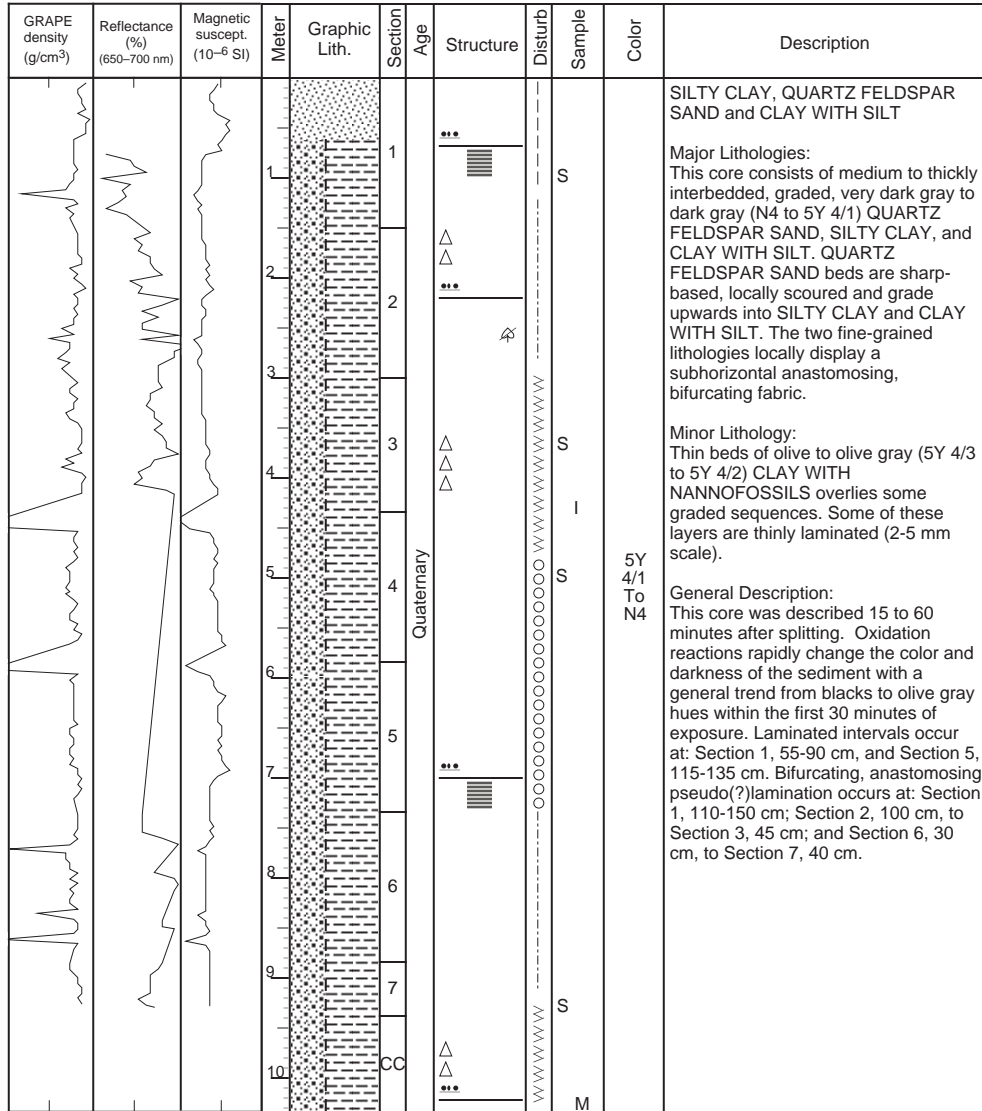
SITE 1015 HOLE A CORE 5H

CORED 35.5 - 45.0 mbsf



0 1 5 10 0 100 200

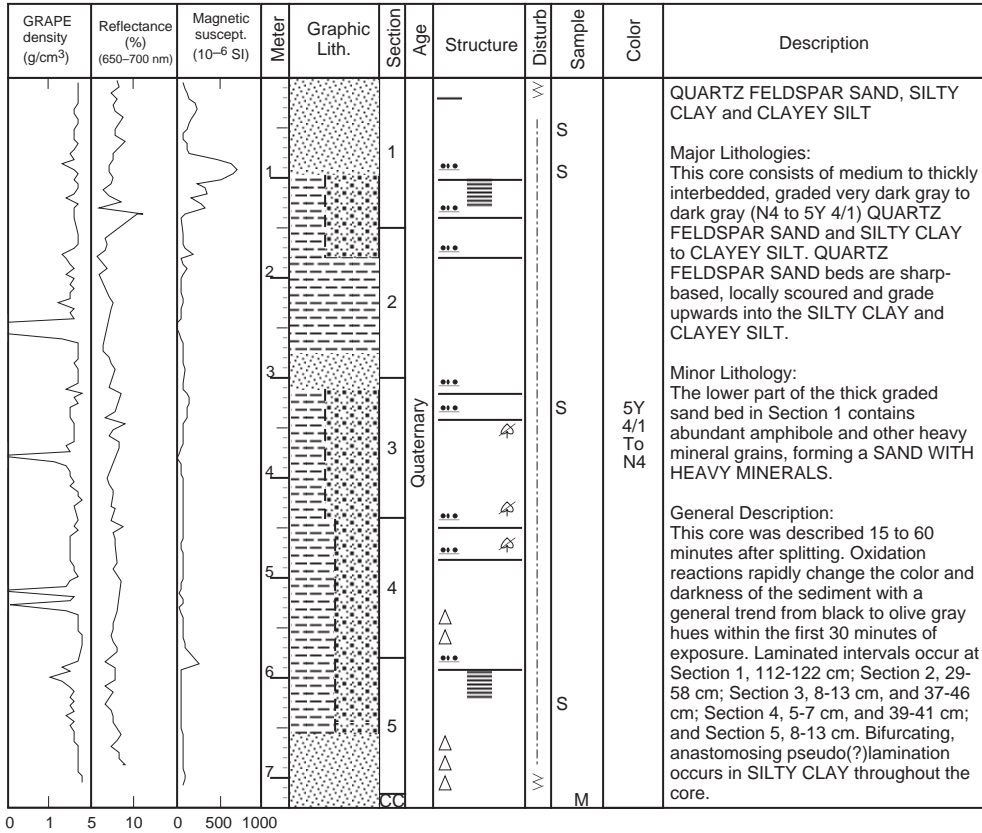
SITE 1015 HOLE A CORE 6H CORED 45.0 - 54.5 mbsf




0 1 5 7.5 0 100 200

SITE 1015 HOLE A CORE 7H

CORED 54.5 - 64.0 mbsf



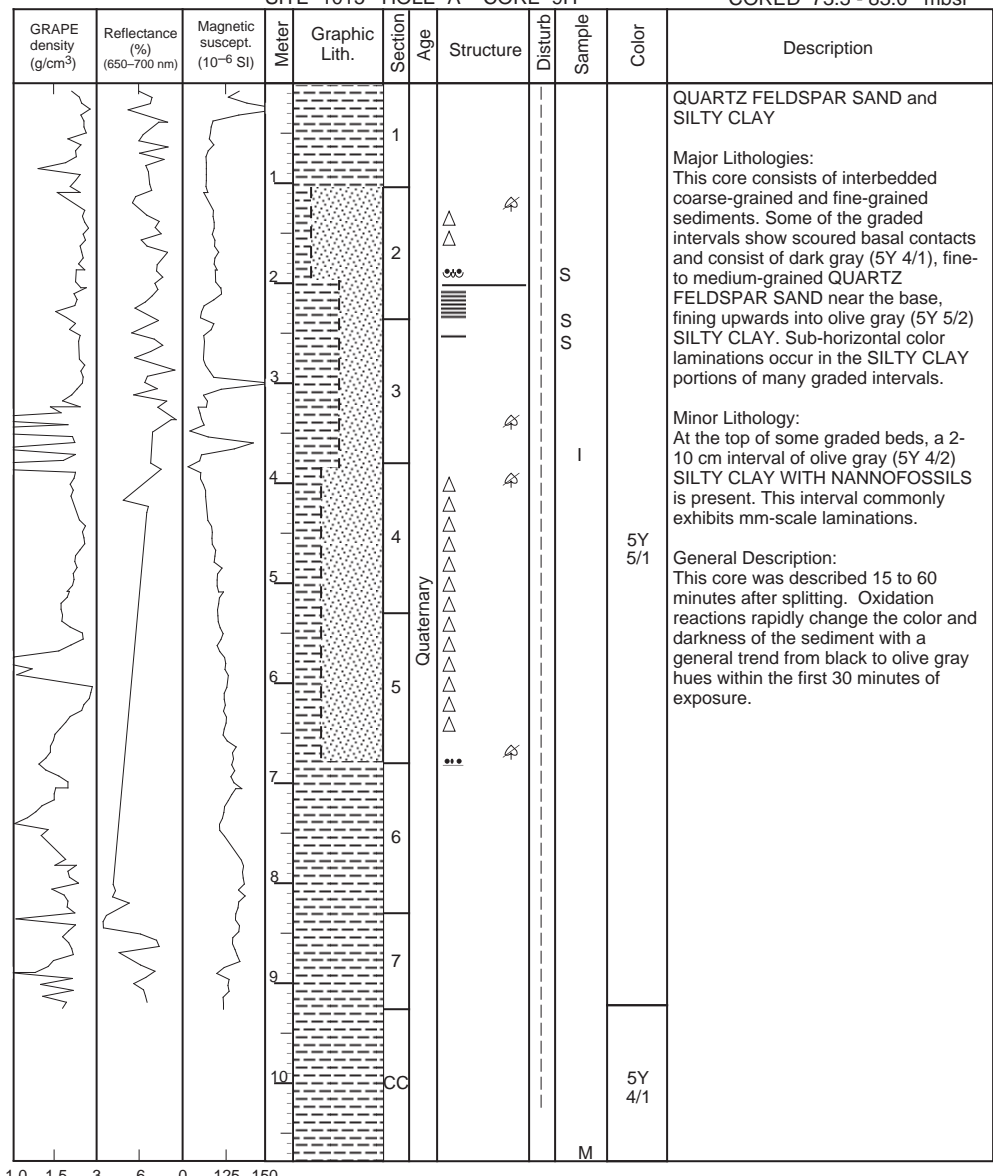
SITE 1015 HOLE A CORE 8H CORED 64.0 - 73.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Quaternary		OO		N3 To 5Y 4/1	<p>QUARTZ FELDSPAR SAND</p> <p>Major Lithology: This core consists entirely of dark gray (N3 to 5Y 4/1), medium- to fine-grained QUARTZ FELDSPAR SAND. Coring disturbance preserves no primary sedimentary features.</p>
2		2		OO				
3		3		OO				
4		4		OO				
5		5		OO				
6		6		OO				
7					OO			
8					OO			
					OO	M		



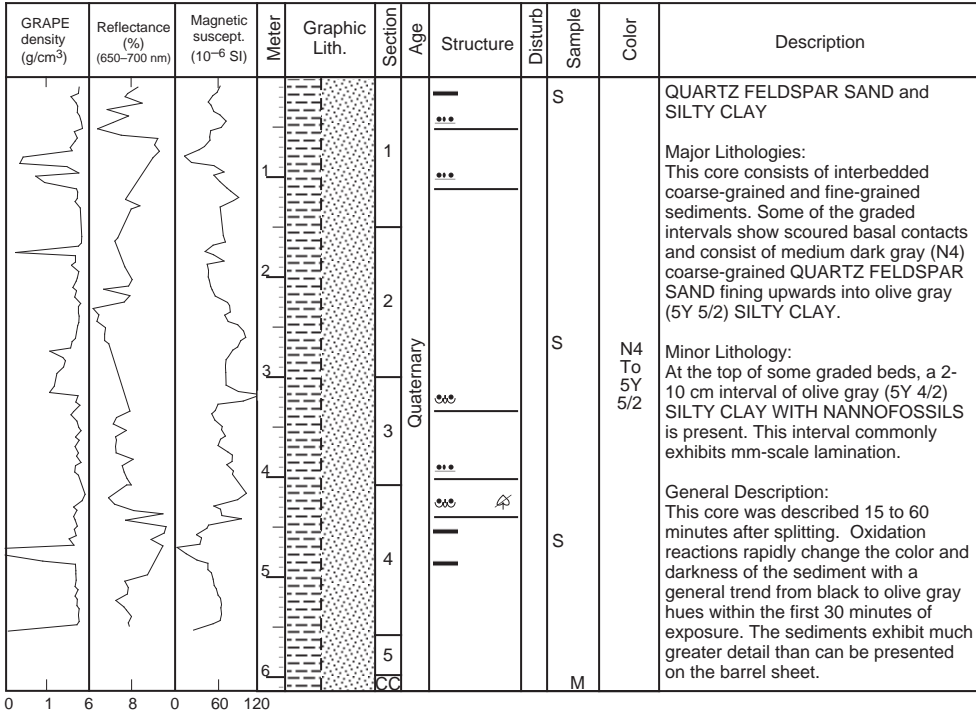
SITE 1015 HOLE A CORE 9H

CORED 73.5 - 83.0 mbsf

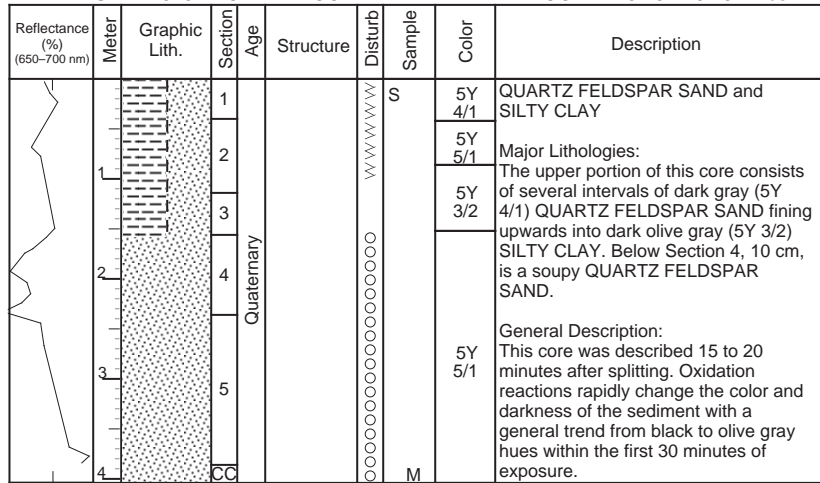


1.0 1.5 3 6 0 125 150

SITE 1015 HOLE A CORE 10H CORED 83.0 - 92.5 mbsf

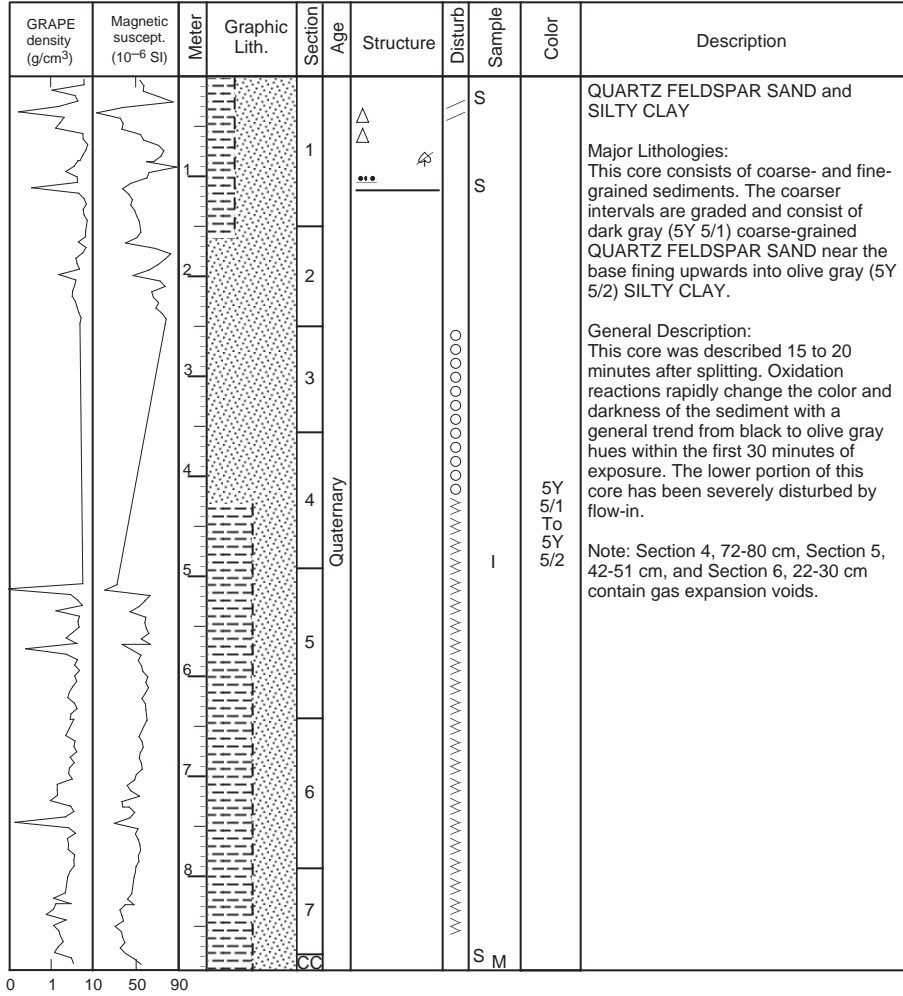


SITE 1015 HOLE A CORE 11H CORED 92.5 - 102.0 mbsf













6 9 12

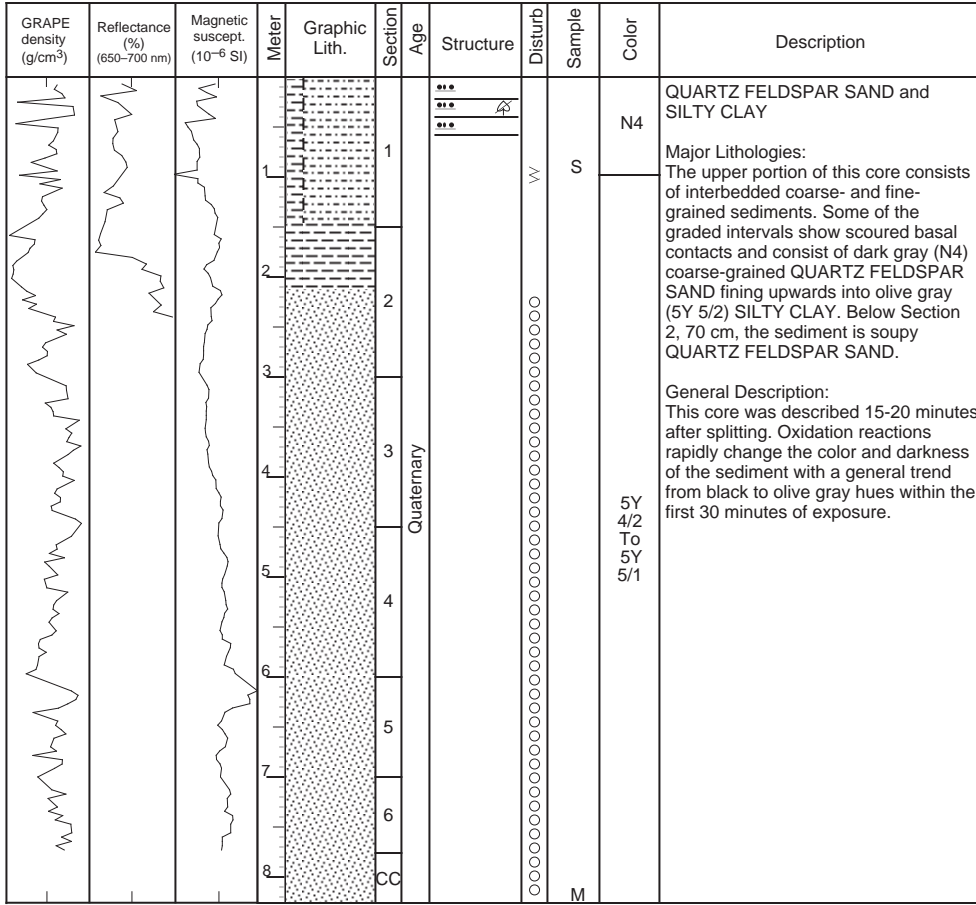
SITE 1015 HOLE A CORE 12H CORED 102.0 - 111.5 mbsf



SITE 1015 HOLE A CORE 13H CORED 111.5 - 121.0 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	•••				5Y 5/3	QUARTZ FELDSPAR SILTY SAND, SILTY CLAY, FINE SAND and SILT
2		2						<p>Major Lithologies: Section 1 of this core consists of dark gray to olive (N3 to 5Y 5/3) SILTY CLAY and a thin layer of QUARTZ FELDSPAR SILTY SAND grading from FINE SAND to SILT above. Below Section 1, the sediments consist of gray (5Y 5/1) soupy QUARTZ FELDSPAR SILTY SAND.</p> <p>General Description: This core was described 15 to 20 minutes after splitting. Oxidation reactions rapidly change the color and darkness of the sediment with a general trend from black to olive gray hues within the first 30 minutes of exposure.</p>
3		3						
4		4						
5		5	Quaternary				5Y 5/1	
6		6						
7		7						
8		8						
9		9						
		10						

SITE 1015 HOLE A CORE 14H CORED 121.0 - 130.5 mbsf



1.5 1.75 4 6 40 90 140

SITE 1015 HOLE A CORE 15H

CORED 130.5 - 140.0 mbsf

GRAPE density (g/cm ³)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		1	[Graphic Lithology: Dotted pattern]	1	Quaternary		[Disturbance: Wavy lines]	I	N4 To N5	<p>QUARTZ FELDSPAR SAND, SILT and SANDY SILT</p> <p>Major Lithologies: Sediments from Sections 1 and 2 consist of gray (N4 to N5) fine-grained QUARTZ SAND and SILT. Section 3 through the bottom of the core show 20-30 cm boudin structures related to flow-in consisting of gray SILT boudins bounded by very dark gray (N3) SANDY SILT. The surrounding matrix material is light gray medium-grained SAND.</p> <p>General Description: The sediments from this core were extensively disturbed.</p>
		2		2						
		3		3						
		4		3						
		5		4						
		6		5						
		7		5						
		8		6						
			CC							

1.0 1.5 60 110 160

SITE 1015 HOLE A CORE 16H CORED 140.0 - 149.5 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1	Quaternary	*** ***	vv	S	5Y 4/2 N4	QUARTZ FELDSPAR SILT AND SAND, QUARTZ FELDSPAR SAND, SILT and FINE SAND
2		2		S	Major Lithologies: This core consists of QUARTZ FELDSPAR SILT AND SAND. Section 1 contains two thin gray (5Y 4/2) intervals grading from FINE SAND to SILT overlying a gray (N4) SILT which displays subhorizontal color laminations. Below Section 1 contains gray (5Y 5/1) medium- to fine-grained QUARTZ FELDSPAR SAND, most of which is extremely disturbed or soupy.			
3		3		S				
4		4		S				
5		5						
6		6						
7		7						
8		8						
9		8		M	5Y 5/1	General Description: Sediments from this core are very disturbed and probably represent extensive flow-in. This core was described 15 to 20 minutes after splitting. Oxidation reactions rapidly change the color and darkness of the sediment with a general trend from black to olive gray hues within the first 30 minutes of exposure.		

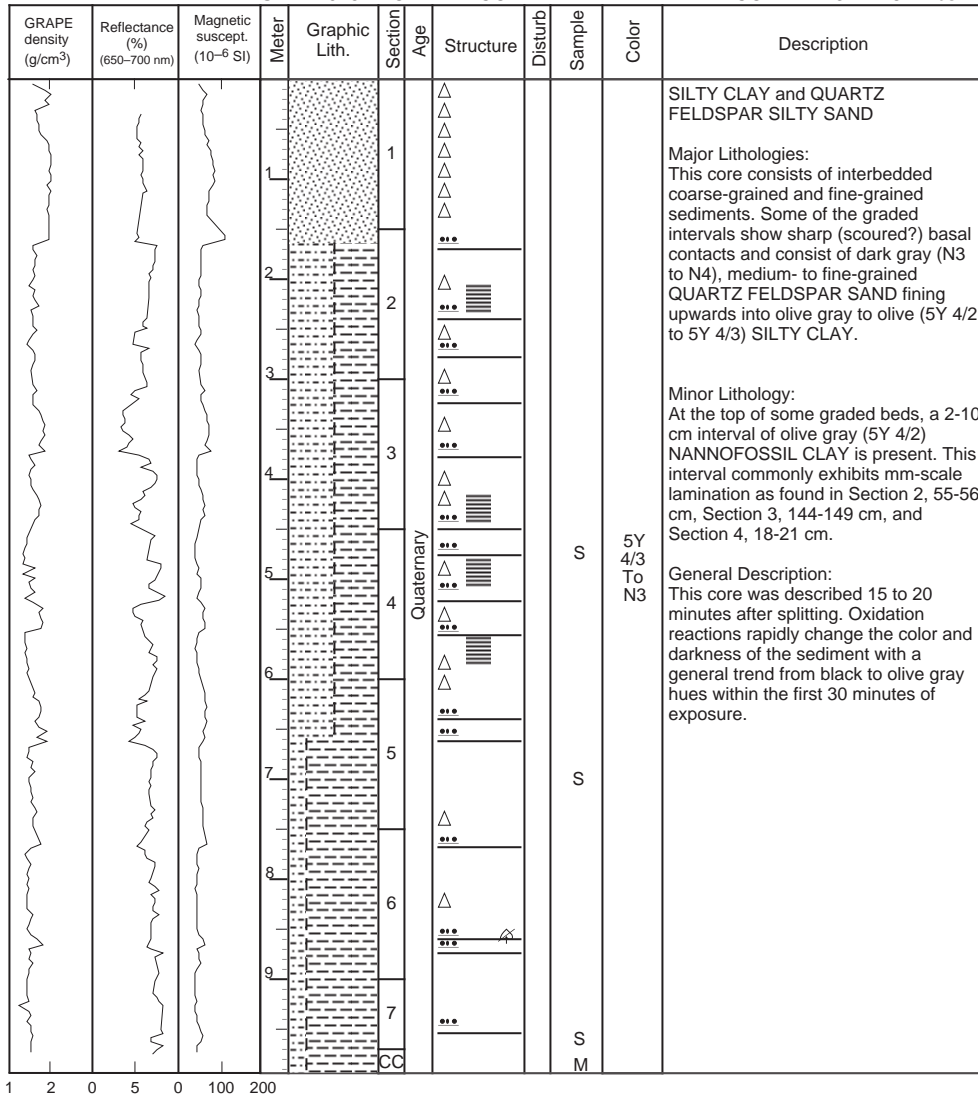


SITE 1015 HOLE B CORE 1H

CORED 0.0 - 2.3 mbsf

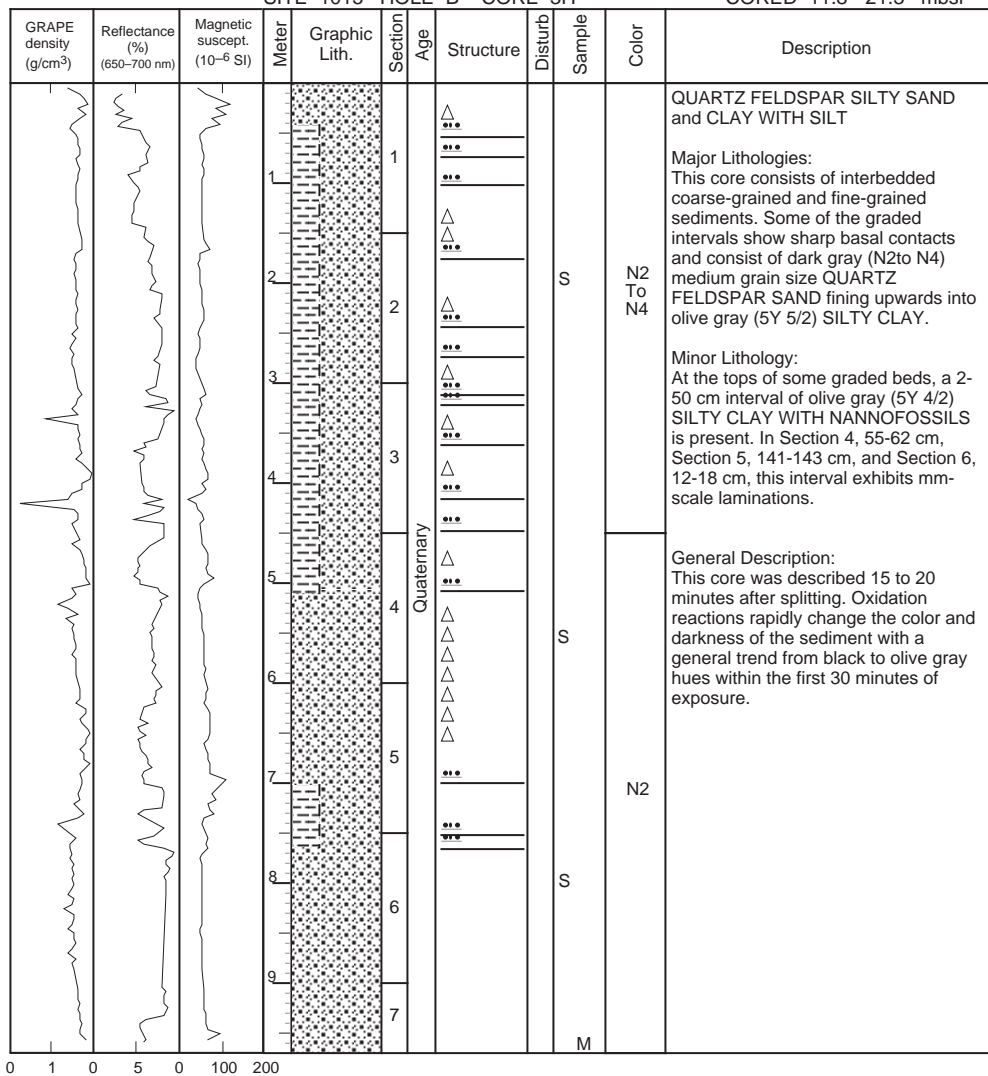
GRAPE density (g/cm ³)	Reflectance (%) (650-700 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
			1 2		1 2	Quaternary		S M	S M	5Y 4/1 N3	<p>QUARTZ SILTY SAND</p> <p>Major Lithology: This core consists of intervals of dark gray to gray (5Y 4/1 to N3) QUARTZ SILTY SAND grading from fine sand near the base to silt above.</p> <p>General Description: This core was described 15 to 20 minutes after splitting. Oxidation reactions rapidly change the color and darkness of the sediment with a general trend from black to gray hues within the first 30 minutes of exposure.</p>

SITE 1015 HOLE B CORE 2H CORED 2.3 - 11.8 mbsf

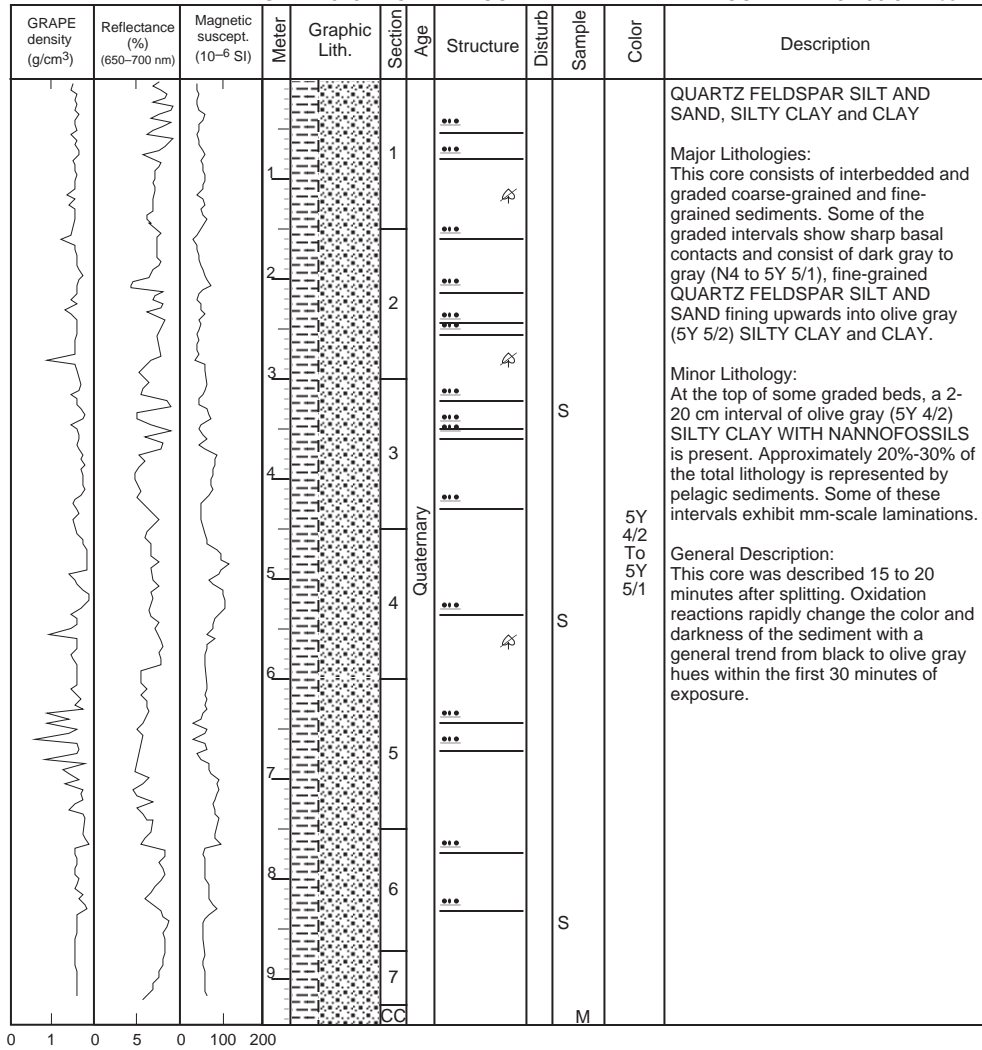


SITE 1015 HOLE B CORE 3H

CORED 11.8 - 21.3 mbsf



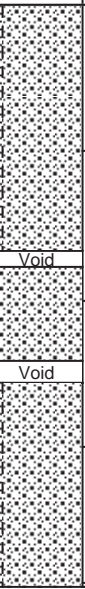
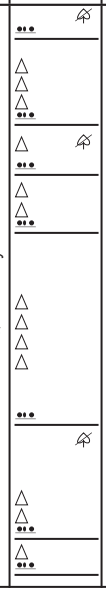
SITE 1015 HOLE B CORE 4H CORED 21.3 - 30.8 mbsf



Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		1		—	⚡			QUARTZ FELDSPAR SAND AND SILT and SILTY CLAY
2		2						Major Lithologies: This core consists of gray (N4) graded intervals of QUARTZ FELDSPAR SAND fining upwards into SILTY CLAY.
2								Minor Lithology: Section 1, 36-37 cm, and 39-40 cm contain CLAY WITH NANNOFOSSILS and exhibit mm-scale lamination.
3		3						General Description: This core was described 15 to 20 minutes after splitting. Oxidation reactions rapidly change the color and darkness of the sediment with a general trend from black to olive gray hues within the first 30 minutes of exposure.
4		4						
5		5	Quaternary				N4	
6		6						
7		6						
8		7						
		CC						

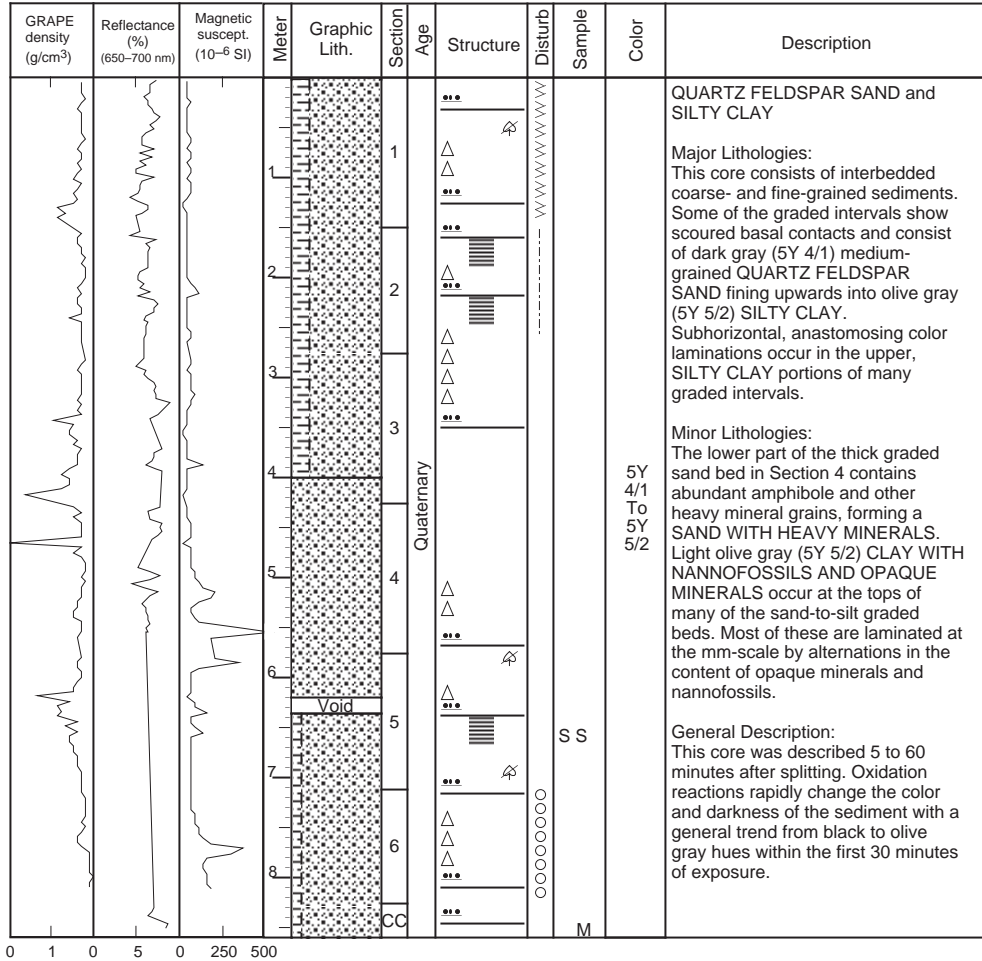


SITE 1015 HOLE B CORE 6H CORED 40.3 - 49.8 mbsf

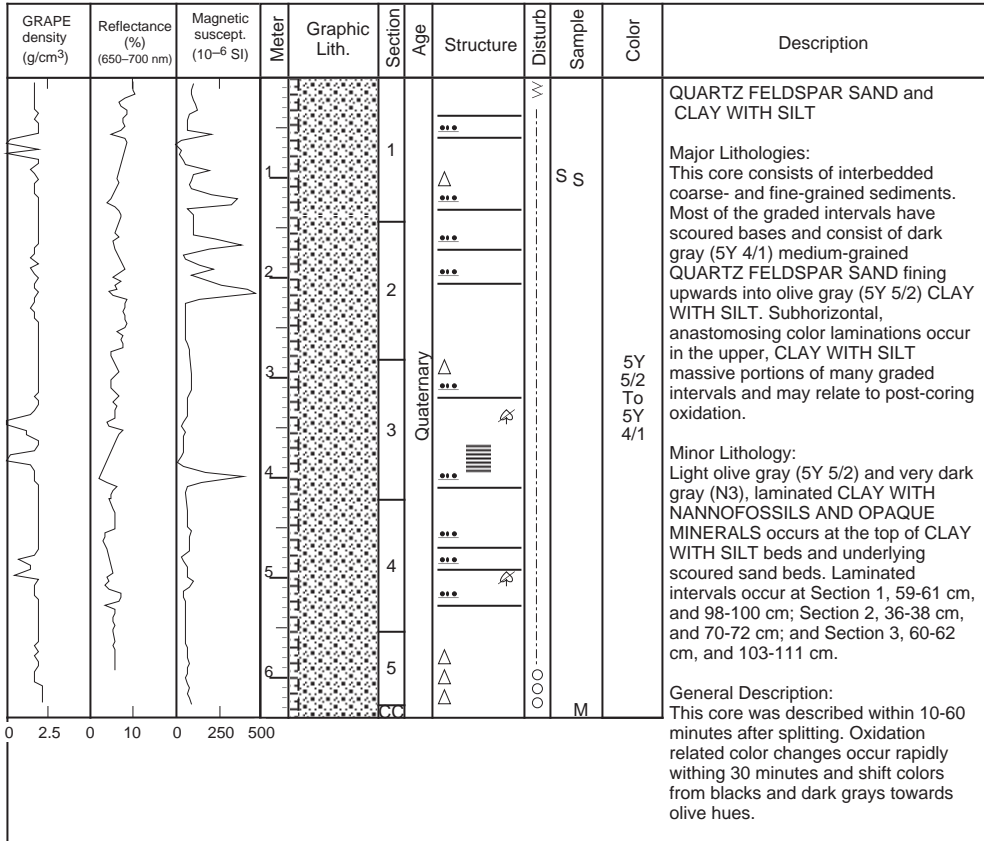
GRAPE density (g/cm ³)	Reflectance (%) (650-700 nm)	Magnetic suscept. (10 ⁻⁶ SI)	Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
0 1 0	0 5 0	0 50 100	0 1 2 3 4 5		1 2 3 4	1 2 3 4				N4 To 5Y 4/1	<p>QUARTZ FELDSPAR SAND AND SILT, CLAYEY SILT and SILTY CLAY</p> <p>Major Lithologies: This core consists of interbedded coarse- and fine-grained sediments. Some of the graded intervals show scoured basal contacts and consist of dark gray (5Y 4/1) fine- to very fine-grained QUARTZ FELDSPAR SAND AND SILT which fines upwards into massive olive gray (5Y 5/2) CLAYEY SILT. Subhorizontal, irregular oxidation/color laminations occur in the SILTY CLAY portions of many graded intervals.</p> <p>Minor Lithology: Thin, 5-10 cm thick intervals of olive gray (5Y 4/2) SILTY CLAY WITH NANNOFOSSILS are present at the tops of graded beds at Section 1, 0-8 cm, 23-28 cm, and 115-123 cm, and at Section 3, 106-116 cm.</p> <p>General Description: This core was described 15 to 60 minutes after splitting. Oxidation reactions rapidly change the color and darkness of the sediment with a general trend from black to olive gray hues within the first 30 minutes of exposure.</p>
									M		

SITE 1015 HOLE B CORE 7H

CORED 49.8 - 59.3 mbsf

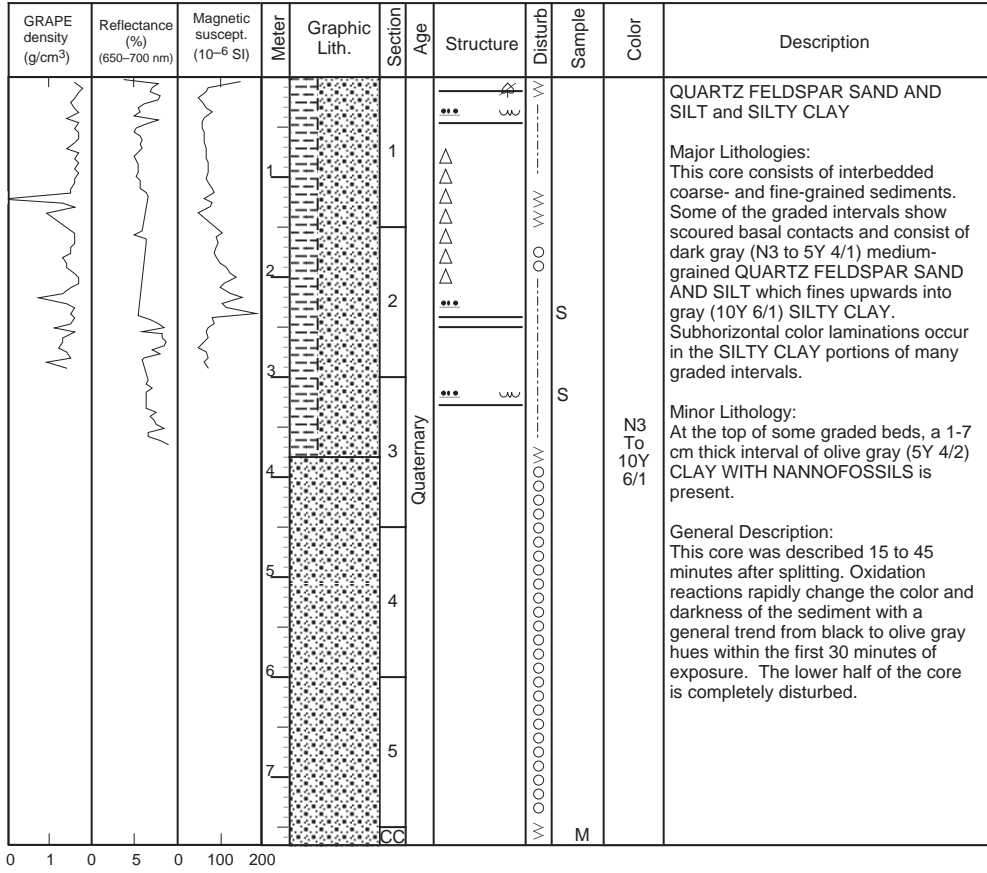


SITE 1015 HOLE B CORE 8H CORED 59.3 - 68.8 mbsf

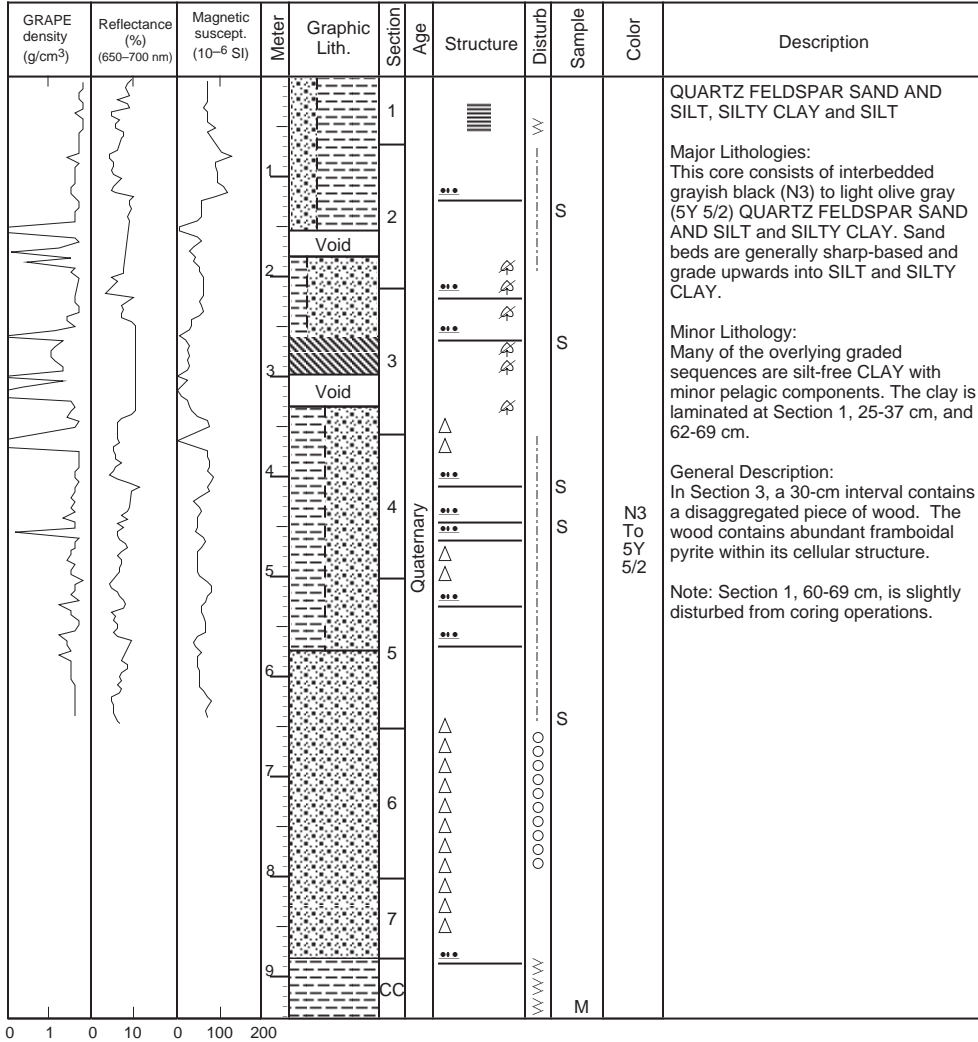


SITE 1015 HOLE B CORE 9H

CORED 68.8 - 78.3 mbsf

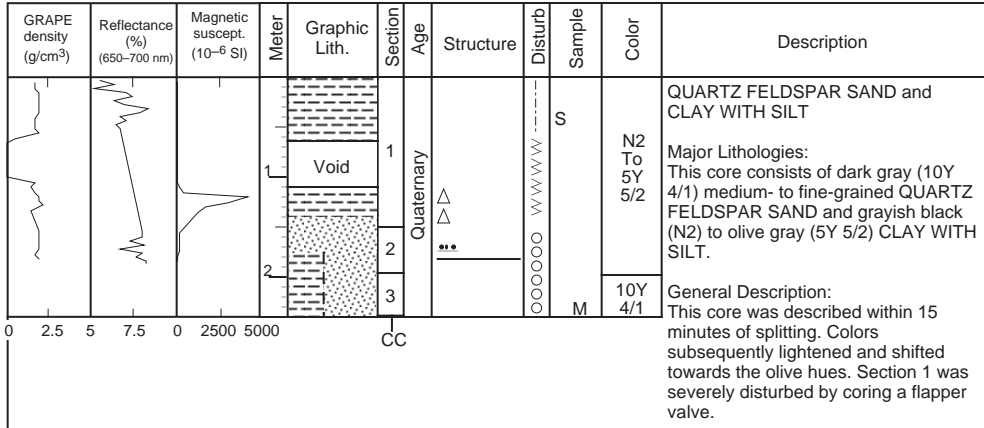


SITE 1015 HOLE B CORE 10H CORED 78.3 - 87.8 mbsf






SITE 1015 HOLE B CORE 11H

CORED 87.8 - 97.3 mbsf



SITE 1015 HOLE B CORE 12H CORED 97.3 - 97.8 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC				S M	N2	<p>SILTY CLAY and CLAY WITH NANNOFOSSILS AND SILT</p> <p>Major Lithologies: This core consists of interbedded grayish black (N2) SILTY CLAY and very dark gray (5Y 3/1) laminated CLAY WITH NANNOFOSSILS AND SILT.</p> <p>General Description: This core was described within 3 minutes of being split. Colors had not yet significantly changed.</p>

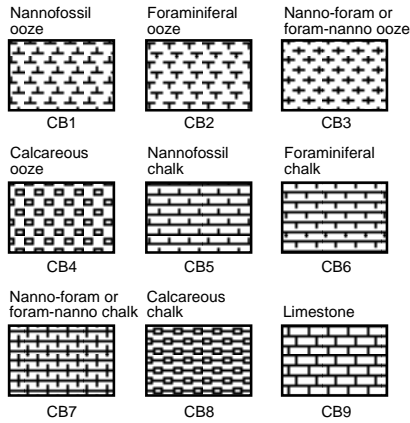
Quaternary



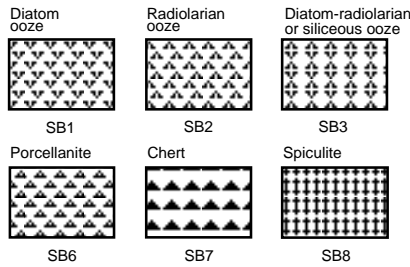
Key to symbols used in the “Graphic Lithology” column on the core description sheets.

Biogenic pelagic sediments

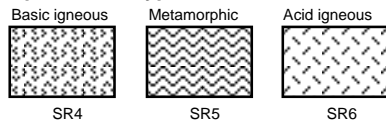
Calcareous



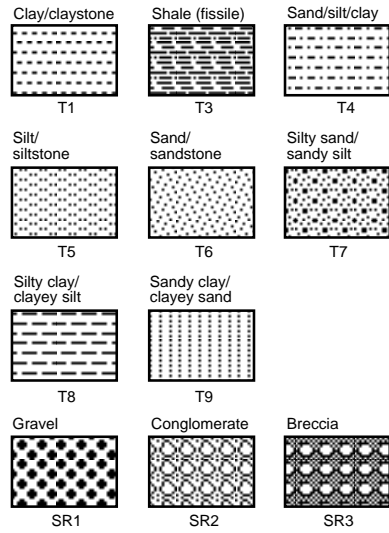
Siliceous



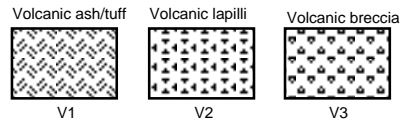
Special rock types



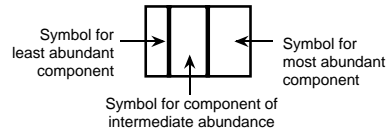
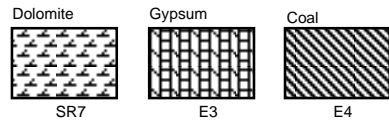
Siliciclastic sediments



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
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)	∞
Burrows, abundant (>60% surface area)	Thin color bands (gradational contact)	Color mottles
>>>>	Laminations (mm scale)	∞
Discrete <i>Zoophycos</i> trace fossil	Individual thick color band	∞
⑥	Individual medium color band	∞
Discrete <i>Chondrites</i> trace fossil	Individual thin color band	∞
⑨	Individual lamination	∞
<i>Sagarites</i> sponge	Wavy lamination	∞
Gastropods	Cross laminae	∞
Other bivalves	Cross stratification	∞
Shell fragments	Cross bedding	∞
Wood fragments	Convoluted/contorted bedding	∞
Fish debris	Flaser bedding	∞
	Graded interval, normal	∞
	Veins	∞
	Water escape structure	∞
	Scour	∞