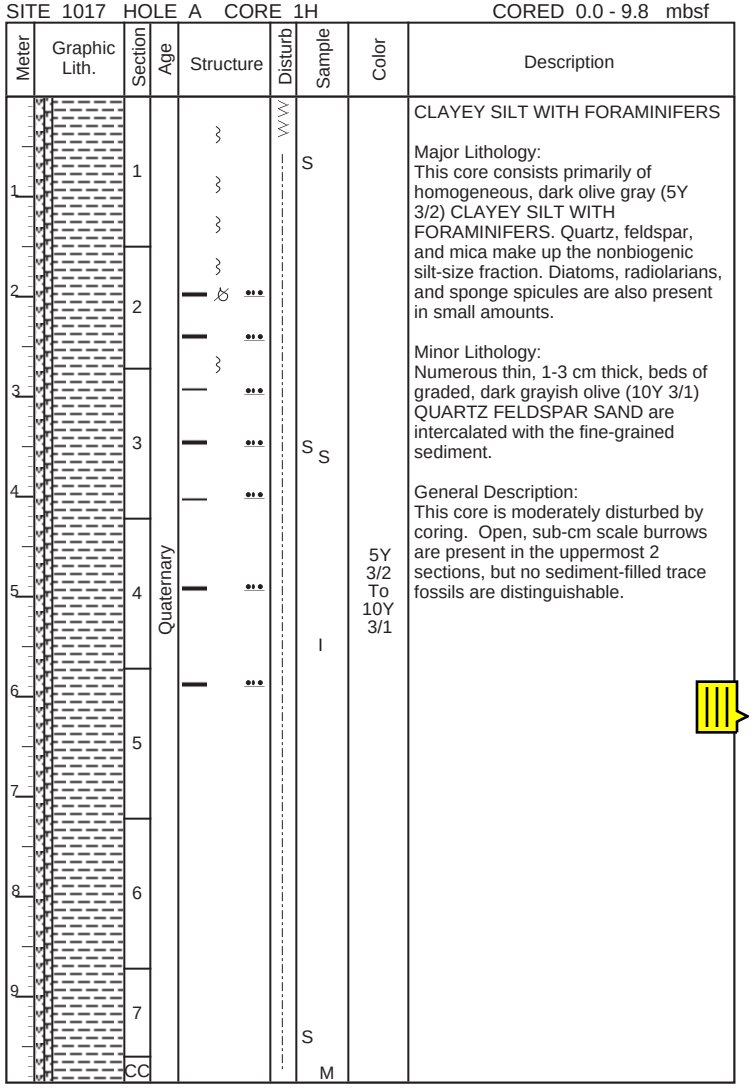
SITE 1017 HOLE A CORE 1H CORED 0.0 - 9.8 mbsf



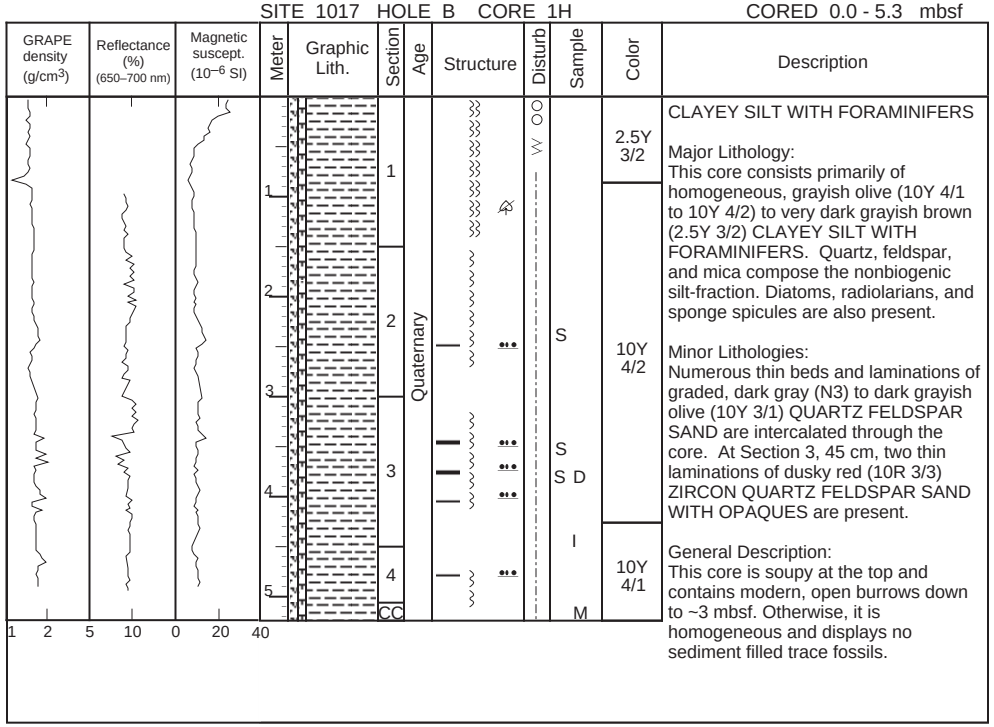
CLAYEY SILT WITH FORAMINIFERS

Major Lithology:
This core consists primarily of homogeneous, dark olive gray (5Y 3/2) CLAYEY SILT WITH FORAMINIFERS. Quartz, feldspar, and mica make up the nonbiogenic silt-size fraction. Diatoms, radiolarians, and sponge spicules are also present in small amounts.

Minor Lithology:
Numerous thin, 1-3 cm thick, beds of graded, dark grayish olive (10Y 3/1) QUARTZ FELDSPAR SAND are intercalated with the fine-grained sediment.

General Description:
This core is moderately disturbed by coring. Open, sub-cm scale burrows are present in the uppermost 2 sections, but no sediment-filled trace fossils are distinguishable.

SITE 1017 HOLE B CORE 1H CORED 0.0 - 5.3 mbsf



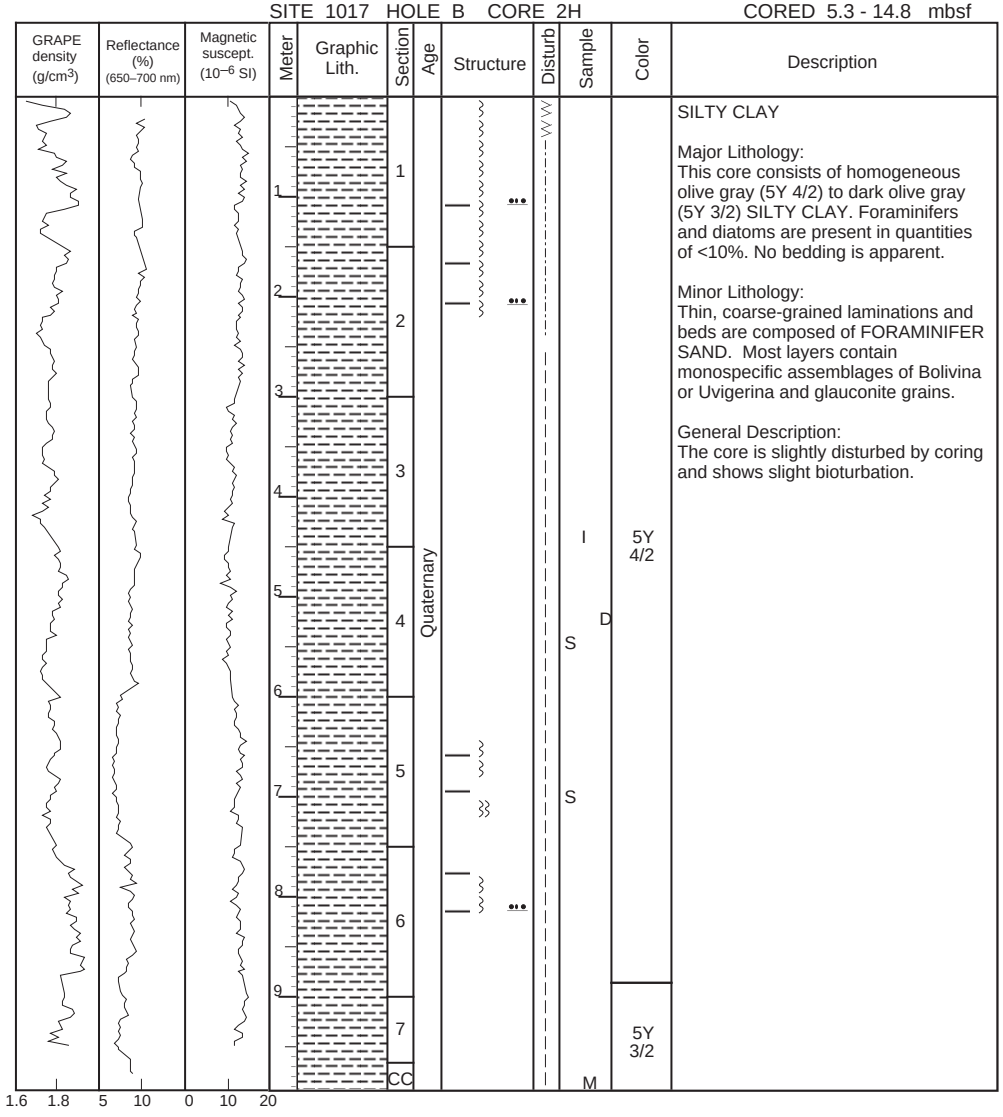
CLAYEY SILT WITH FORAMINIFERS

Major Lithology:
This core consists primarily of homogeneous, grayish olive (10Y 4/1 to 10Y 4/2) to very dark grayish brown (2.5Y 3/2) CLAYEY SILT WITH FORAMINIFERS. Quartz, feldspar, and mica compose the nonbiogenic silt-fraction. Diatoms, radiolarians, and sponge spicules are also present.

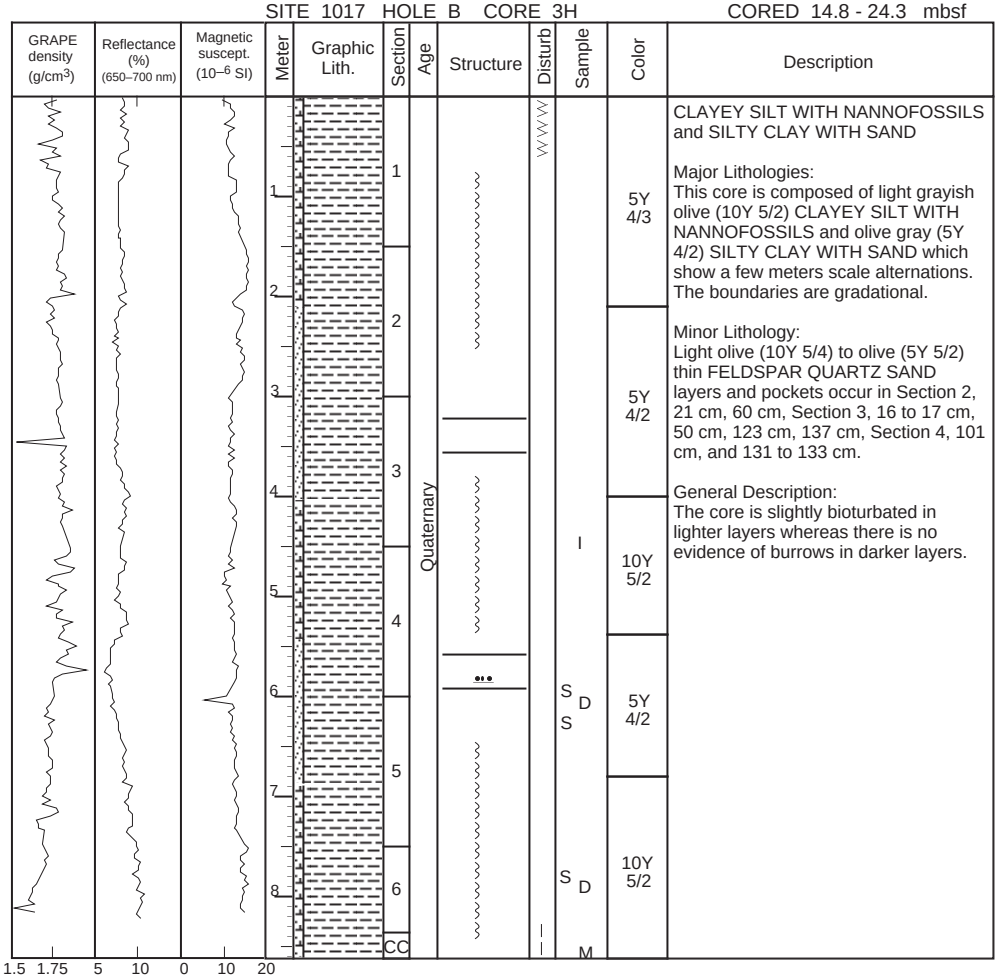
Minor Lithologies:
Numerous thin beds and laminations of graded, dark gray (N3) to dark grayish olive (10Y 3/1) QUARTZ FELDSPAR SAND are intercalated through the core. At Section 3, 45 cm, two thin laminations of dusky red (10R 3/3) ZIRCON QUARTZ FELDSPAR SAND WITH OPAQUES are present.

General Description:
This core is soupy at the top and contains modern, open burrows down to ~3 mbsf. Otherwise, it is homogeneous and displays no sediment filled trace fossils.

SITE 1017 HOLE B CORE 2H CORED 5.3 - 14.8 mbsf



SITE 1017 HOLE B CORE 3H CORED 14.8 - 24.3 mbsf



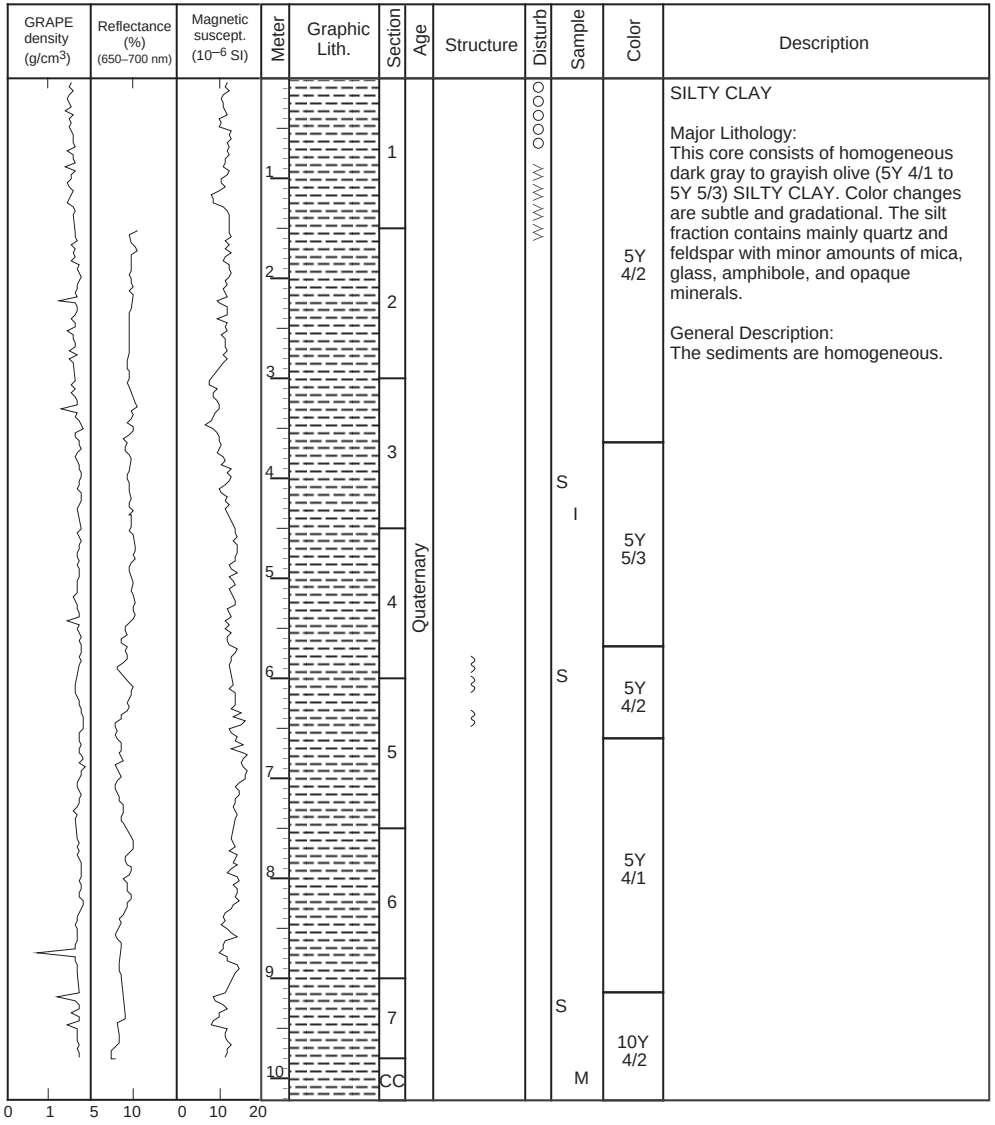
CLAYEY SILT WITH NANNOFOSSILS and SILTY CLAY WITH SAND

Major Lithologies:
This core is composed of light grayish olive (10Y 5/2) CLAYEY SILT WITH NANNOFOSSILS and olive gray (5Y 4/2) SILTY CLAY WITH SAND which show a few meters scale alternations. The boundaries are gradational.

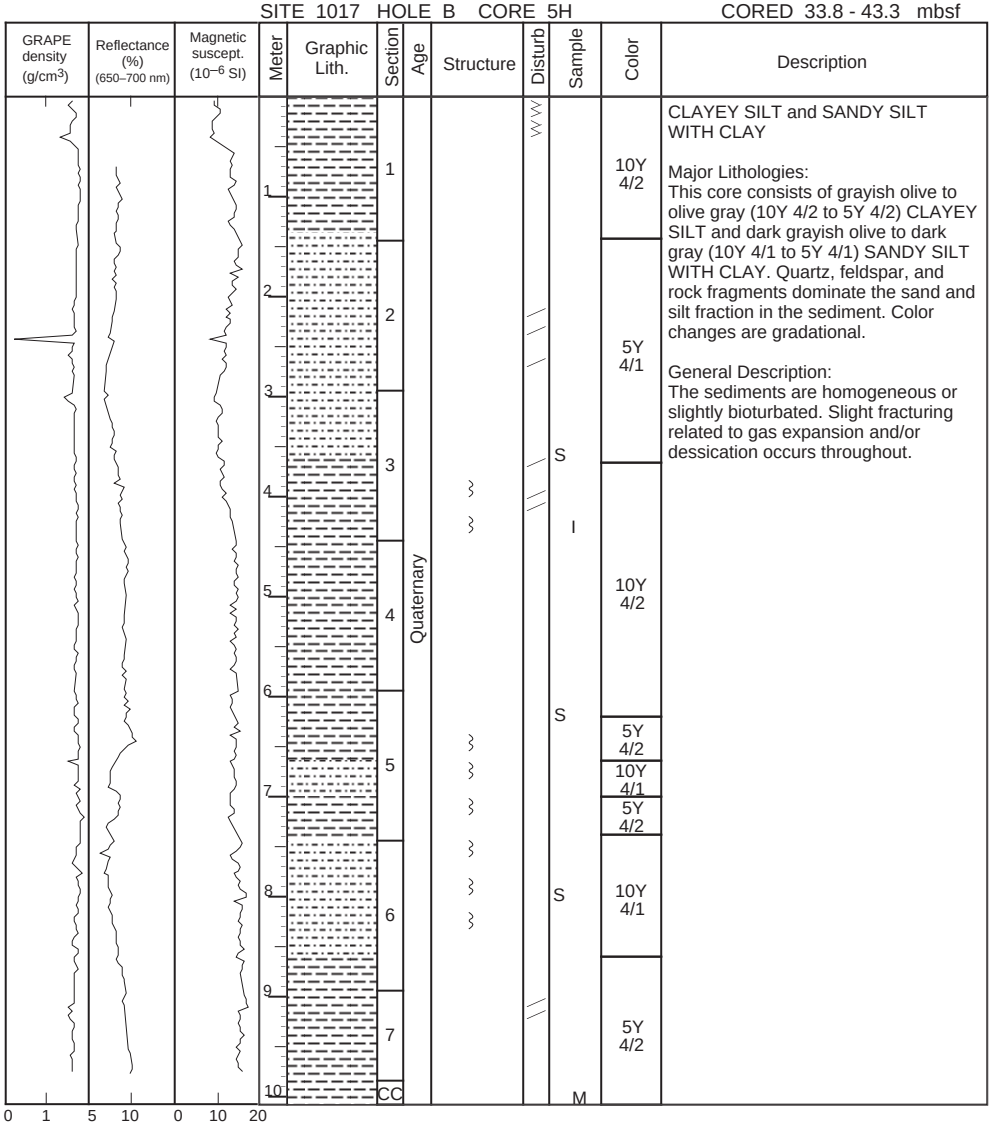
Minor Lithology:
Light olive (10Y 5/4) to olive (5Y 5/2) thin FELDSPAR QUARTZ SAND layers and pockets occur in Section 2, 21 cm, 60 cm, Section 3, 16 to 17 cm, 50 cm, 123 cm, 137 cm, Section 4, 101 cm, and 131 to 133 cm.

General Description:
The core is slightly bioturbated in lighter layers whereas there is no evidence of burrows in darker layers.

SITE 1017 HOLE B CORE 4H CORED 24.3 - 33.8 mbsf



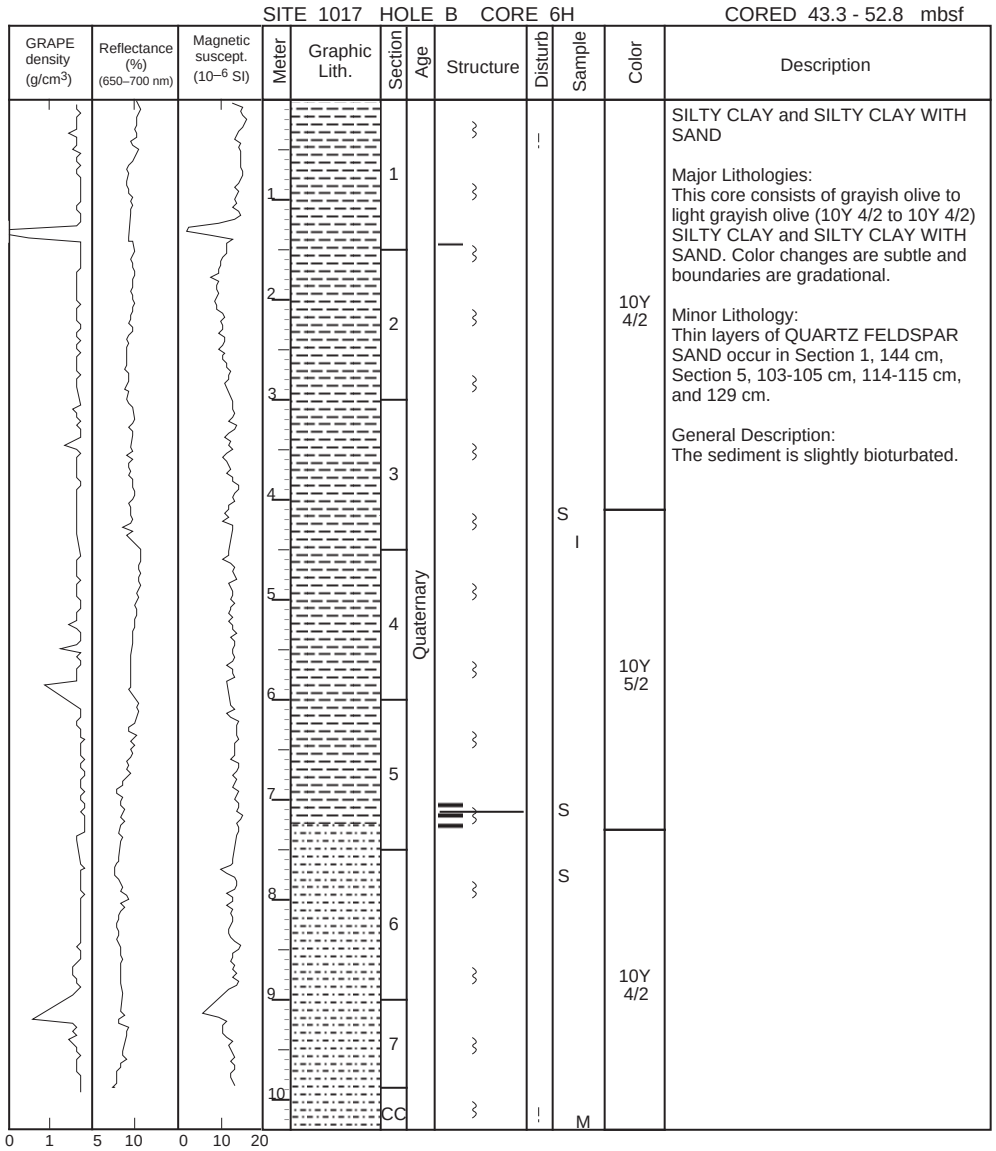
SITE 1017 HOLE B CORE 5H CORED 33.8 - 43.3 mbsf



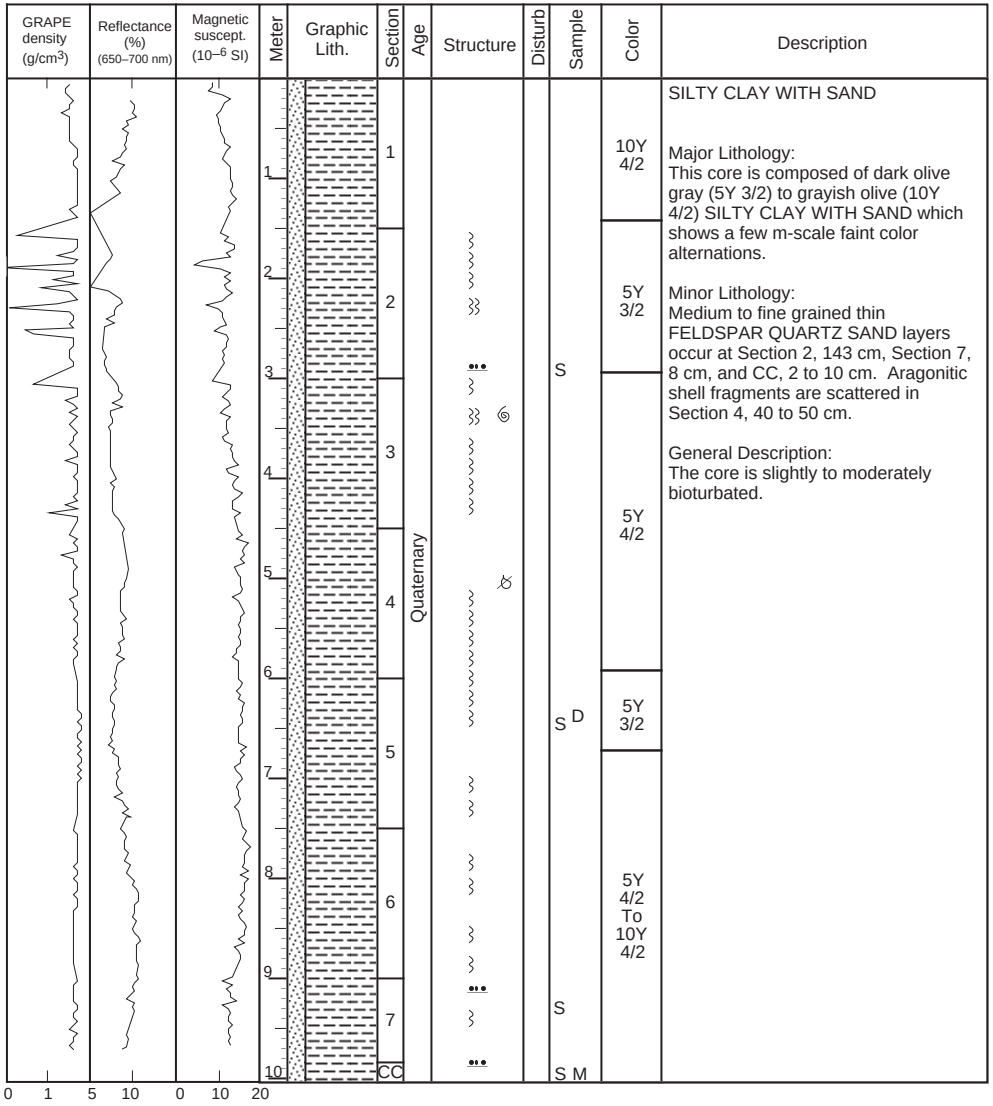
CLAYEY SILT and SANDY SILT WITH CLAY

Major Lithologies:
This core consists of grayish olive to olive gray (10Y 4/2 to 5Y 4/2) CLAYEY SILT and dark grayish olive to dark gray (10Y 4/1 to 5Y 4/1) SANDY SILT WITH CLAY. Quartz, feldspar, and rock fragments dominate the sand and silt fraction in the sediment. Color changes are gradational.

General Description:
The sediments are homogeneous or slightly bioturbated. Slight fracturing related to gas expansion and/or dessication occurs throughout.


SITE 1017 HOLE B CORE 6H
CORED 43.3 - 52.8 mbsf
GRAPE density (g/cm3)
Reflectance (%) (650–700 nm)
Magnetic suscept. (10–6 SI)
Meter
Graphic Lith.
Section
Age
Structure
Disturb
Sample
Color
Description
0 1 5 10 0 10 20
Quaternary
10Y 4/2
10Y 5/2
10Y 4/2
S
I
S
S
M
SILTY CLAY and SILTY CLAY WITH SAND
Major Lithologies:
This core consists of grayish olive to light grayish olive (10Y 4/2 to 10Y 4/2) SILTY CLAY and SILTY CLAY WITH SAND. Color changes are subtle and boundaries are gradational.
Minor Lithology:
Thin layers of QUARTZ FELDSPAR SAND occur in Section 1, 144 cm, Section 5, 103-105 cm, 114-115 cm, and 129 cm.
General Description:
The sediment is slightly bioturbated.

SITE 1017 HOLE B CORE 7H CORED 52.8 - 62.3 mbsf



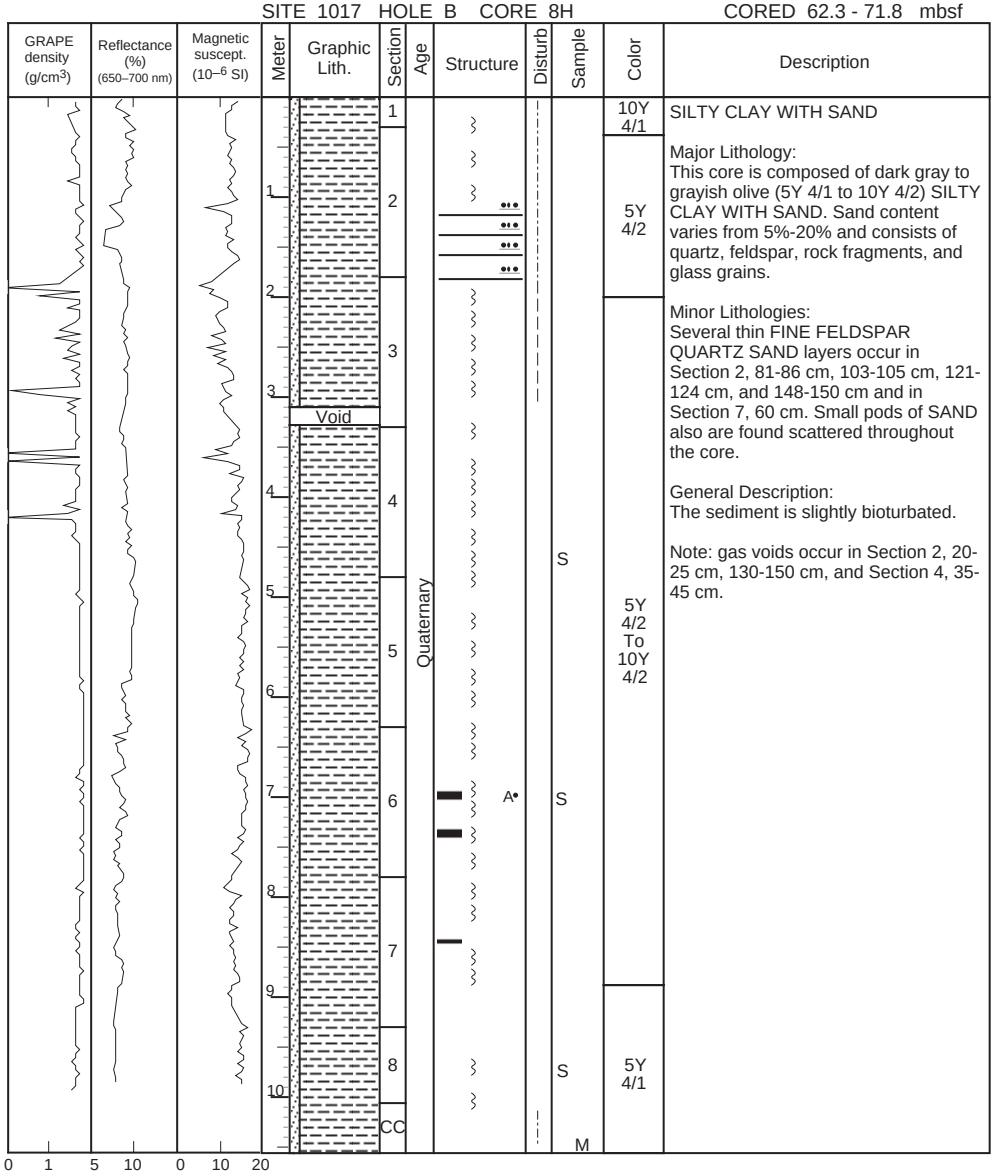
SILTY CLAY WITH SAND

Major Lithology:
This core is composed of dark olive gray (5Y 3/2) to grayish olive (10Y 4/2) SILTY CLAY WITH SAND which shows a few m-scale faint color alternations.

Minor Lithology:
Medium to fine grained thin FELDSPAR QUARTZ SAND layers occur at Section 2, 143 cm, Section 7, 8 cm, and CC, 2 to 10 cm. Aragonitic shell fragments are scattered in Section 4, 40 to 50 cm.

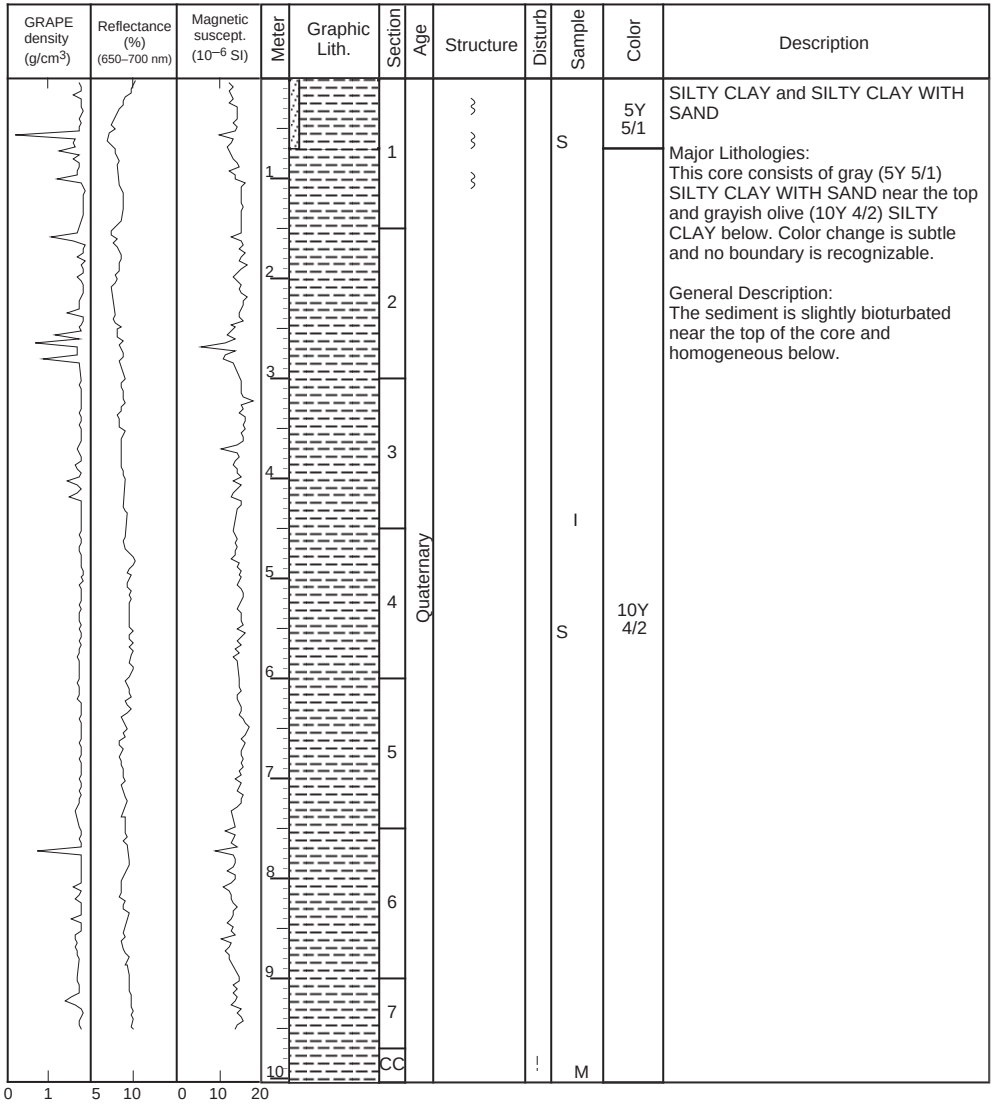
General Description:
The core is slightly to moderately bioturbated.

SITE 1017 HOLE B CORE 8H CORED 62.3 - 71.8 mbsf

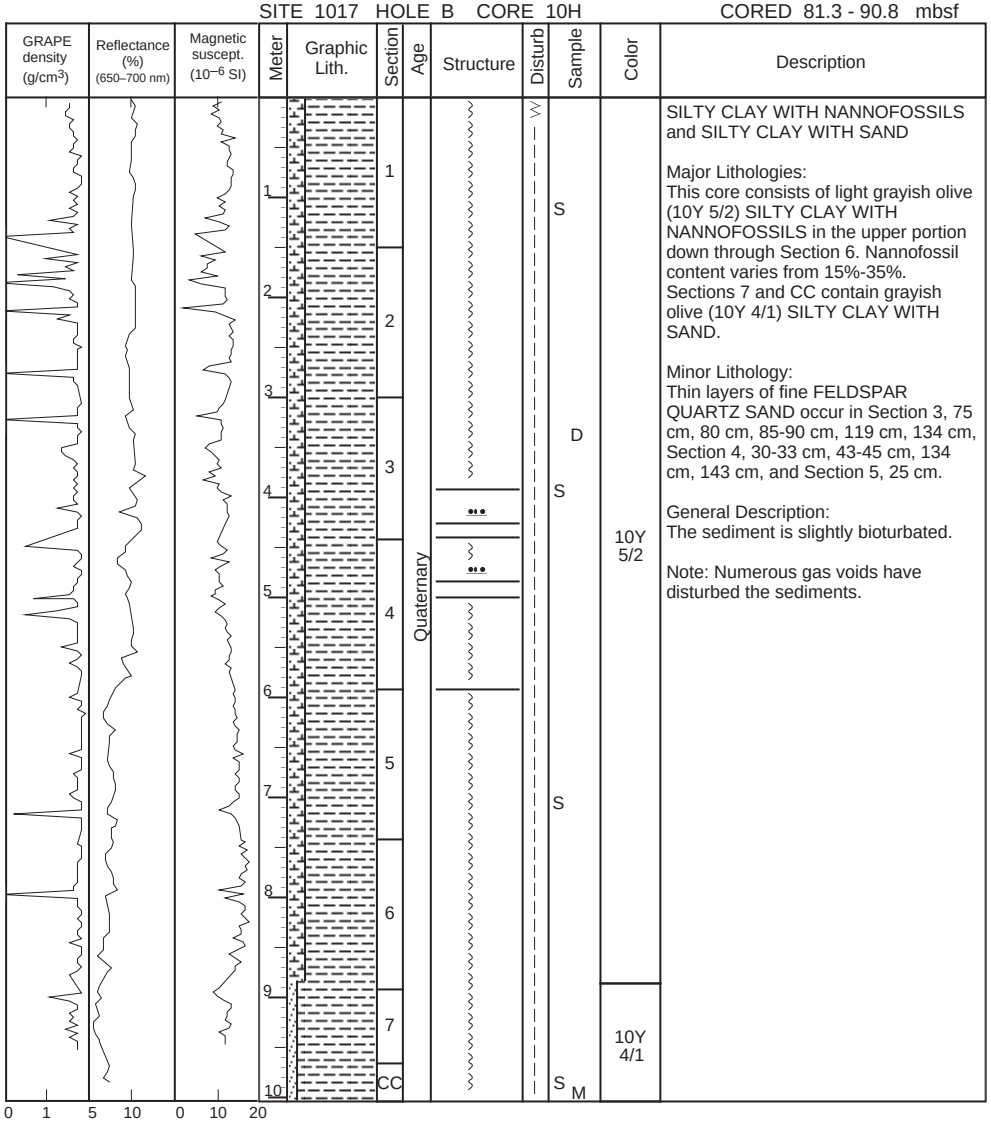


Color	Description
10Y 4/1	SILTY CLAY WITH SAND
5Y 4/2	Major Lithology: This core is composed of dark gray to grayish olive (5Y 4/1 to 10Y 4/2) SILTY CLAY WITH SAND. Sand content varies from 5%-20% and consists of quartz, feldspar, rock fragments, and glass grains.
5Y 4/2 To 10Y 4/2	Minor Lithologies: Several thin FINE FELDSPAR QUARTZ SAND layers occur in Section 2, 81-86 cm, 103-105 cm, 121-124 cm, and 148-150 cm and in Section 7, 60 cm. Small pods of SAND also are found scattered throughout the core. General Description: The sediment is slightly bioturbated. Note: gas voids occur in Section 2, 20-25 cm, 130-150 cm, and Section 4, 35-45 cm.
5Y 4/1	

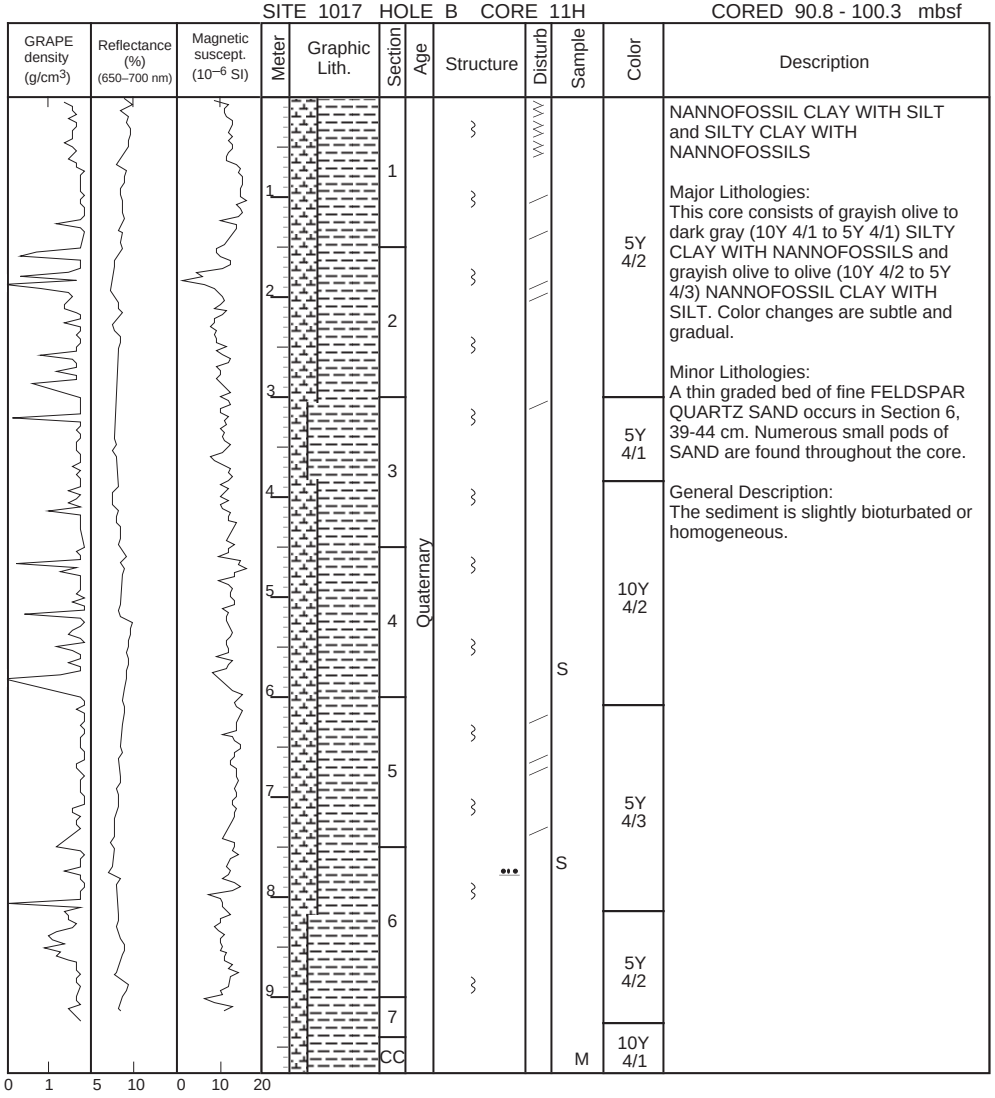
SITE 1017 HOLE B CORE 9H CORED 71.8 - 81.3 mbsf



SITE 1017 HOLE B CORE 10H CORED 81.3 - 90.8 mbsf



SITE 1017 HOLE B CORE 11H CORED 90.8 - 100.3 mbsf



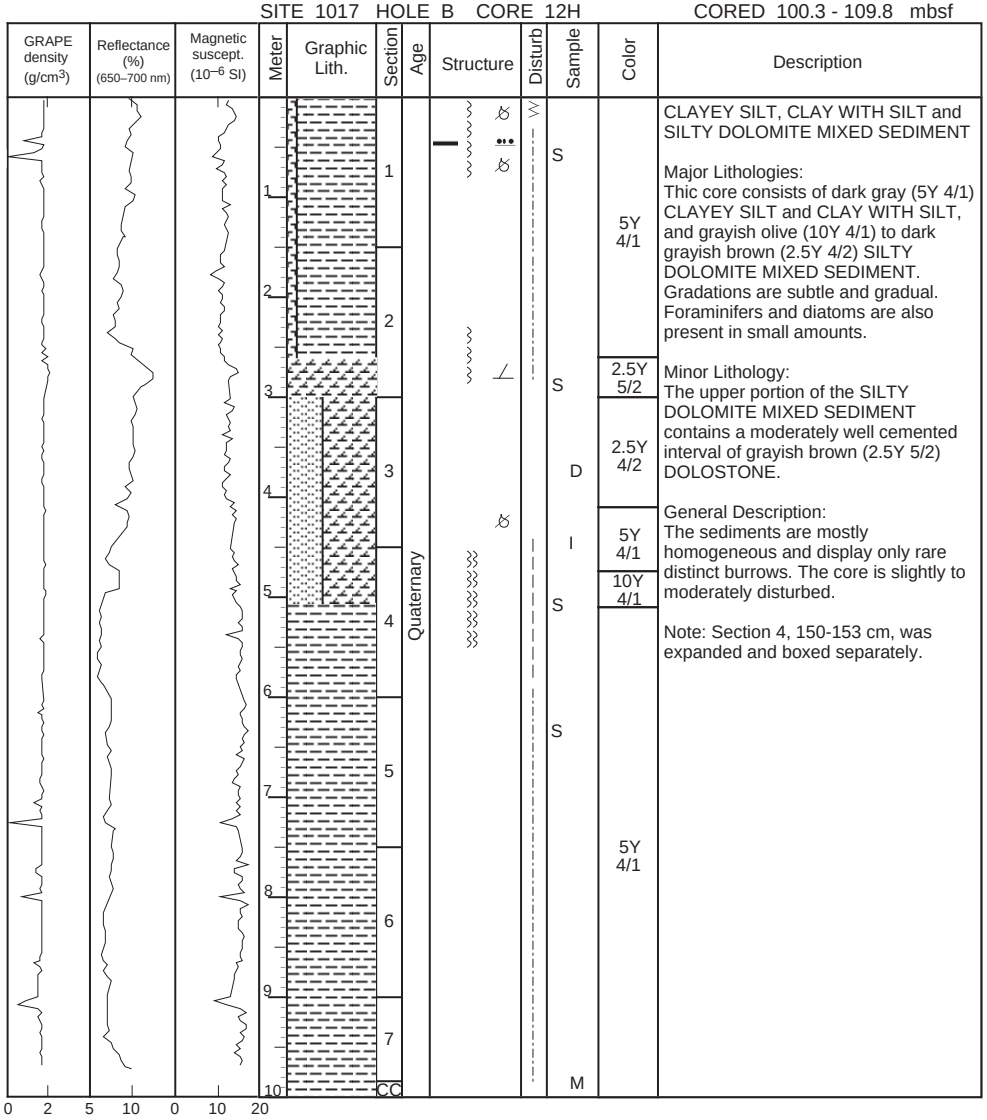
NANNOFOSSIL CLAY WITH SILT and SILTY CLAY WITH NANNOFOSSILS

Major Lithologies:
This core consists of grayish olive to dark gray (10Y 4/1 to 5Y 4/1) SILTY CLAY WITH NANNOFOSSILS and grayish olive to olive (10Y 4/2 to 5Y 4/3) NANNOFOSSIL CLAY WITH SILT. Color changes are subtle and gradual.

Minor Lithologies:
A thin graded bed of fine FELDSPAR QUARTZ SAND occurs in Section 6, 39-44 cm. Numerous small pods of SAND are found throughout the core.

General Description:
The sediment is slightly bioturbated or homogeneous.

SITE 1017 HOLE B CORE 12H CORED 100.3 - 109.8 mbsf



CLAYEY SILT, CLAY WITH SILT and SILTY DOLOMITE MIXED SEDIMENT

Major Lithologies:
Thic core consists of dark gray (5Y 4/1) CLAYEY SILT and CLAY WITH SILT, and grayish olive (10Y 4/1) to dark grayish brown (2.5Y 4/2) SILTY DOLOMITE MIXED SEDIMENT. Gradations are subtle and gradual. Foraminifers and diatoms are also present in small amounts.

Minor Lithology:
The upper portion of the SILTY DOLOMITE MIXED SEDIMENT contains a moderately well cemented interval of grayish brown (2.5Y 5/2) DOLOSTONE.

General Description:
The sediments are mostly homogeneous and display only rare distinct burrows. The core is slightly to moderately disturbed.

Note: Section 4, 150-153 cm, was expanded and boxed separately.

SITE 1017 HOLE B CORE 13H CORED 109.8 - 119.1 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		CC	Quaternary			S M		CLAY WITH SILT

Major Lithology:
This core consists entirely of dark gray (5Y 4/1) CLAY WITH SILT with a well-developed gas-expansion fissility.

General Description:
This core exploded on the catwalk and only the Core Catcher remained.

SITE 1017 HOLE B CORE 14X CORED 119.1 - 119.3 mbsf

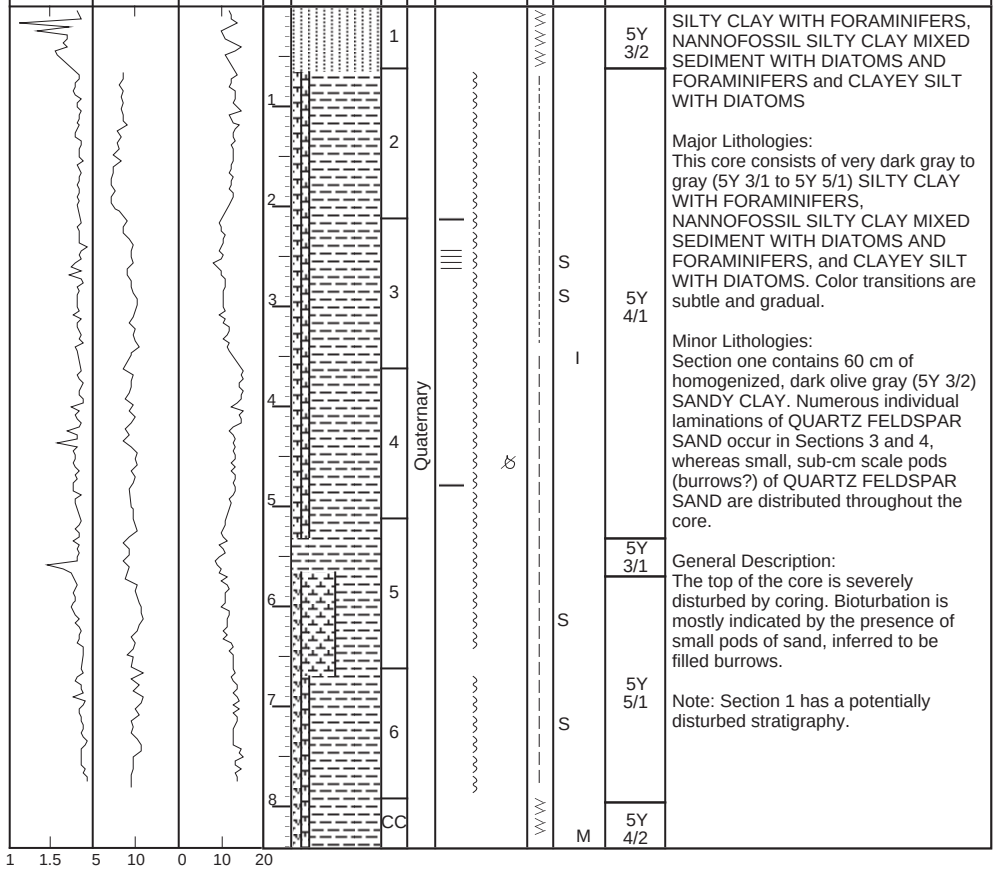
Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1		CC	Quaternary					DOLOSTONE

Major Lithology:
This core consists of approximately 15 cm of grayish olive (10Y 4/1) DOLOSTONE.

General Description:
Recovered 17 cm in core catcher.

An XRD sample was taken at the bottom of the core.

SITE 1017 HOLE B CORE 15X CORED 119.3 - 127.3 mbsf



SILTY CLAY WITH FORAMINIFERS, NANNOFOSSIL SILTY CLAY MIXED SEDIMENT WITH DIATOMS AND FORAMINIFERS and CLAYEY SILT WITH DIATOMS

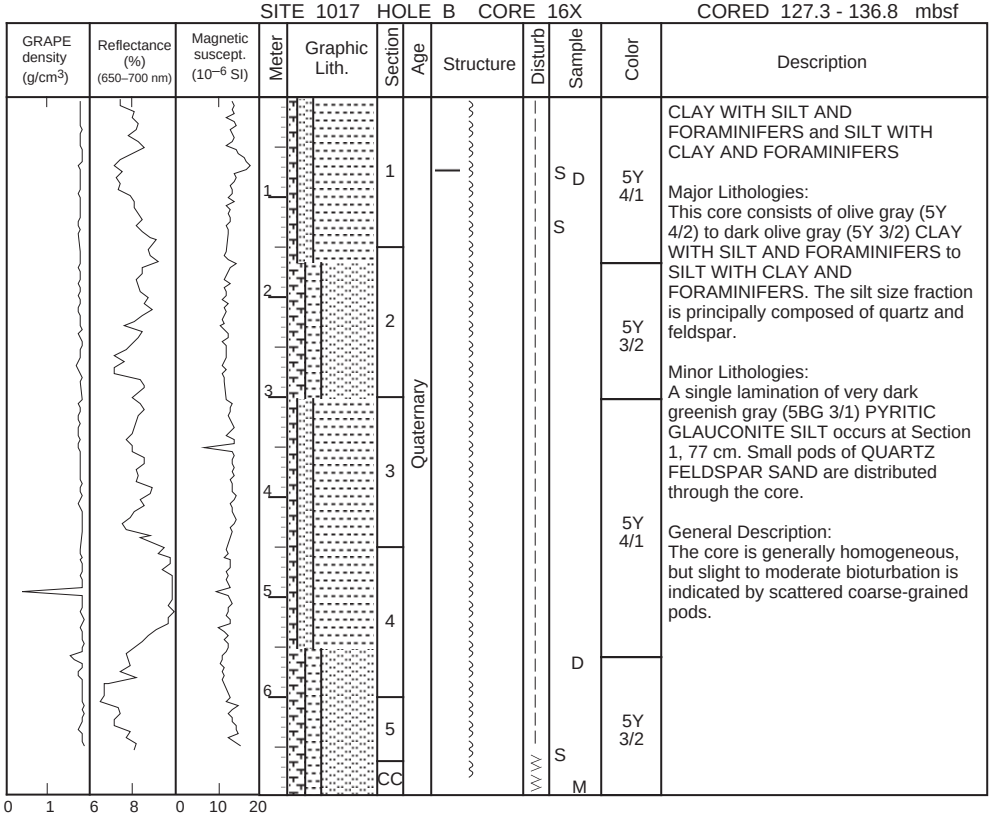
Major Lithologies:
This core consists of very dark gray to gray (5Y 3/1 to 5Y 5/1) SILTY CLAY WITH FORAMINIFERS, NANNOFOSSIL SILTY CLAY MIXED SEDIMENT WITH DIATOMS AND FORAMINIFERS, and CLAYEY SILT WITH DIATOMS. Color transitions are subtle and gradual.

Minor Lithologies:
Section one contains 60 cm of homogenized, dark olive gray (5Y 3/2) SANDY CLAY. Numerous individual laminations of QUARTZ FELDSPAR SAND occur in Sections 3 and 4, whereas small, sub-cm scale pods (burrows?) of QUARTZ FELDSPAR SAND are distributed throughout the core.

General Description:
The top of the core is severely disturbed by coring. Bioturbation is mostly indicated by the presence of small pods of sand, inferred to be filled burrows.

Note: Section 1 has a potentially disturbed stratigraphy.

SITE 1017 HOLE B CORE 16X CORED 127.3 - 136.8 mbsf



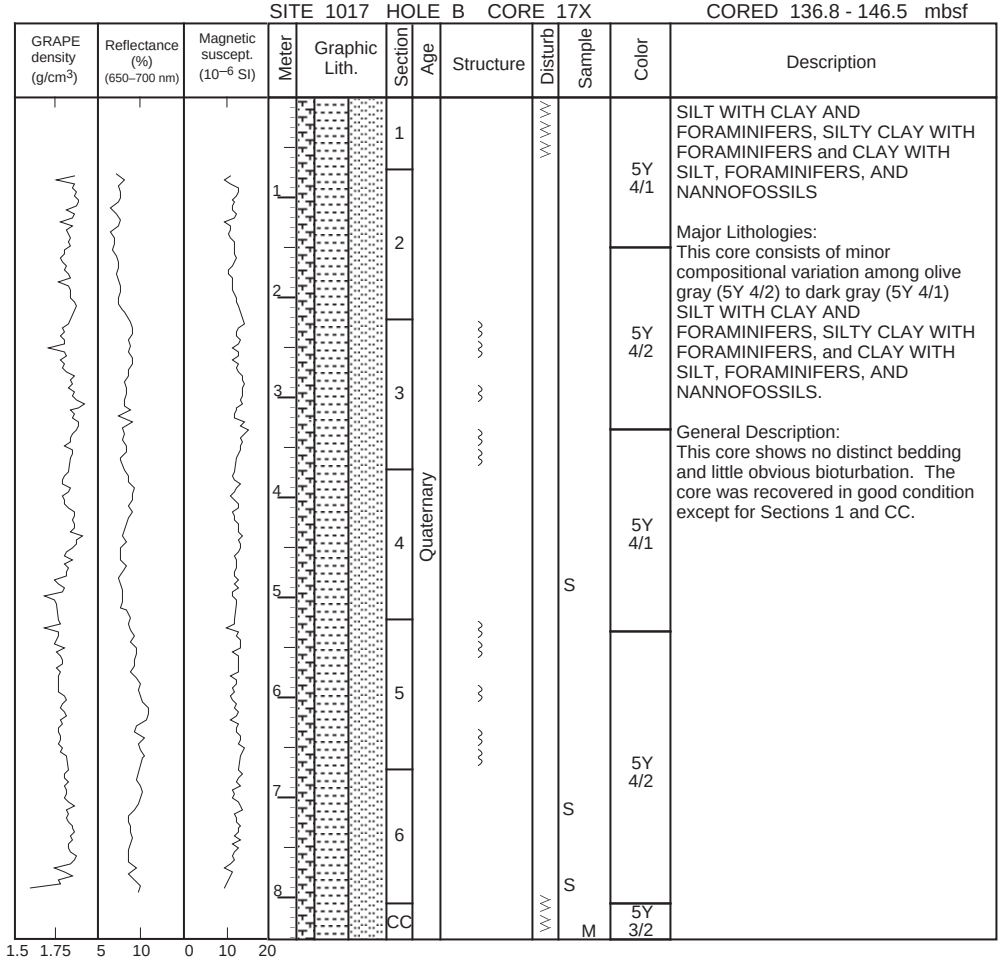
CLAY WITH SILT AND FORAMINIFERS and SILT WITH CLAY AND FORAMINIFERS

Major Lithologies:
This core consists of olive gray (5Y 4/2) to dark olive gray (5Y 3/2) CLAY WITH SILT AND FORAMINIFERS to SILT WITH CLAY AND FORAMINIFERS. The silt size fraction is principally composed of quartz and feldspar.

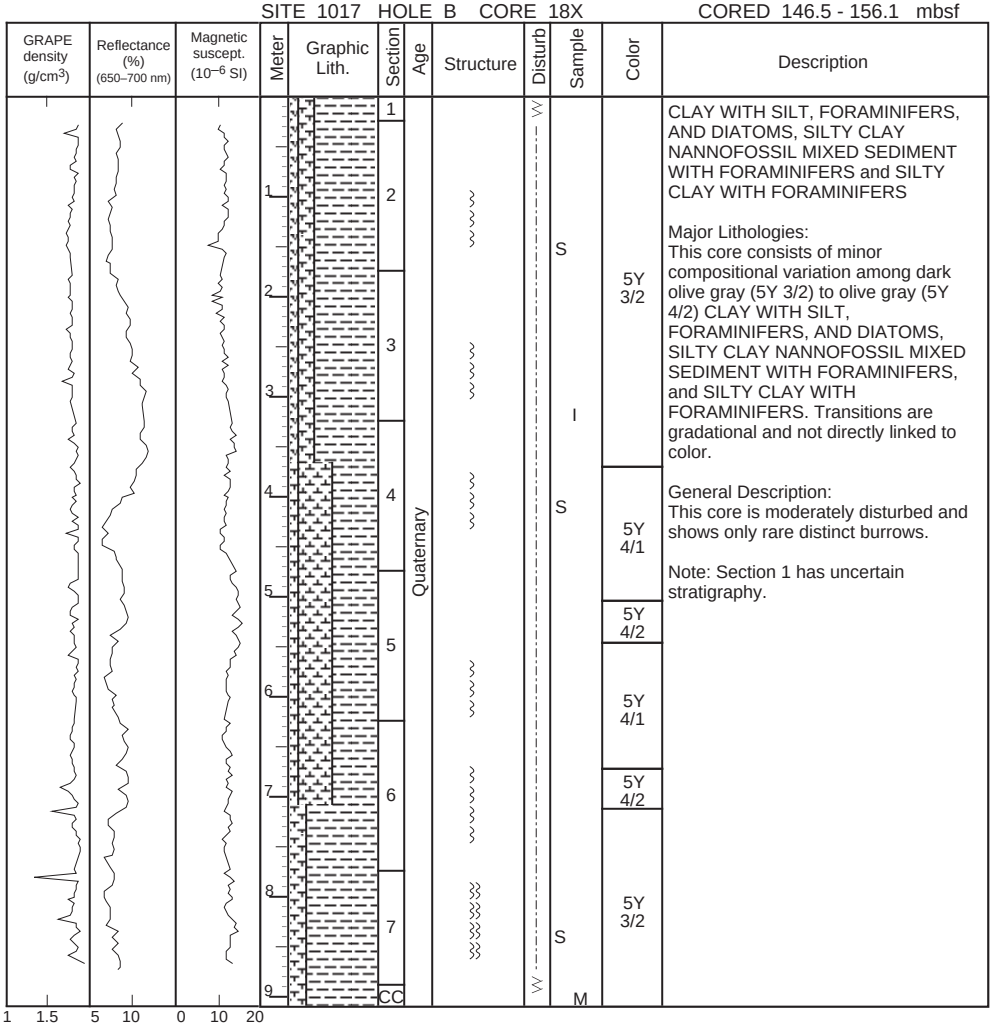
Minor Lithologies:
A single lamination of very dark greenish gray (5BG 3/1) PYRITIC GLAUCONITE SILT occurs at Section 1, 77 cm. Small pods of QUARTZ FELDSPAR SAND are distributed through the core.

General Description:
The core is generally homogeneous, but slight to moderate bioturbation is indicated by scattered coarse-grained pods.

SITE 1017 HOLE B CORE 17X CORED 136.8 - 146.5 mbsf



SITE 1017 HOLE B CORE 18X CORED 146.5 - 156.1 mbsf



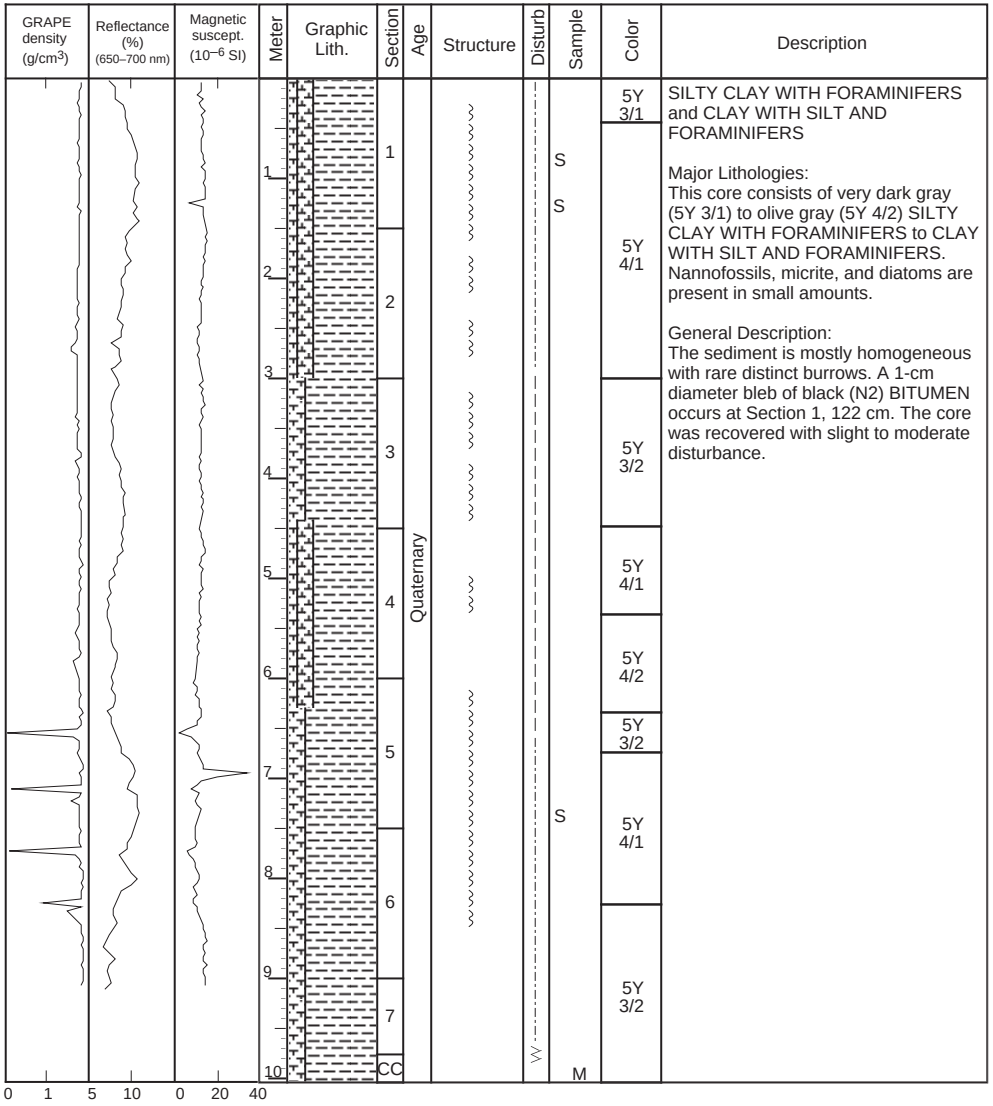
CLAY WITH SILT, FORAMINIFERS, AND DIATOMS, SILTY CLAY NANNOFOSSIL MIXED SEDIMENT WITH FORAMINIFERS and SILTY CLAY WITH FORAMINIFERS

Major Lithologies:
This core consists of minor compositional variation among dark olive gray (5Y 3/2) to olive gray (5Y 4/2) CLAY WITH SILT, FORAMINIFERS, AND DIATOMS, SILTY CLAY NANNOFOSSIL MIXED SEDIMENT WITH FORAMINIFERS, and SILTY CLAY WITH FORAMINIFERS. Transitions are gradational and not directly linked to color.

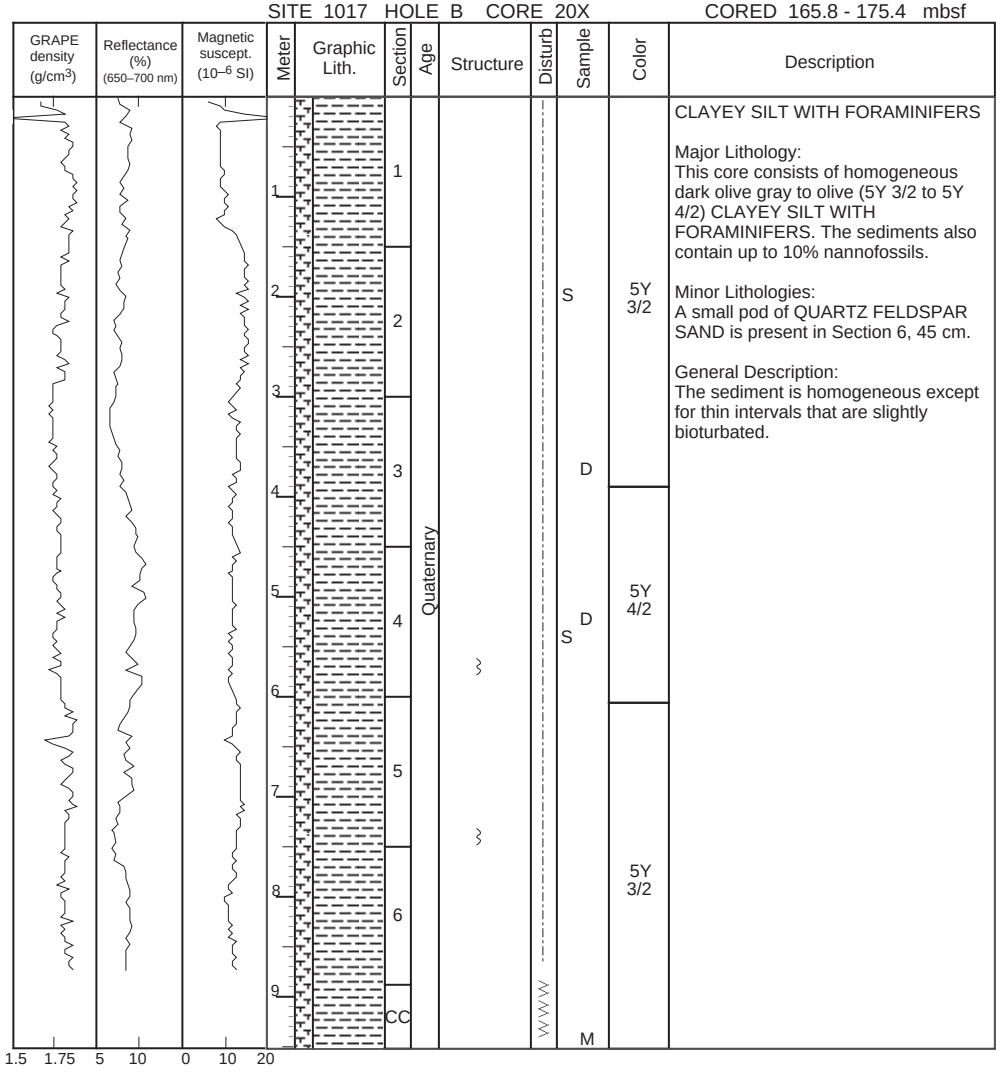
General Description:
This core is moderately disturbed and shows only rare distinct burrows.

Note: Section 1 has uncertain stratigraphy.

SITE 1017 HOLE B CORE 19X CORED 156.1 - 165.8 mbsf



SITE 1017 HOLE B CORE 20X CORED 165.8 - 175.4 mbsf



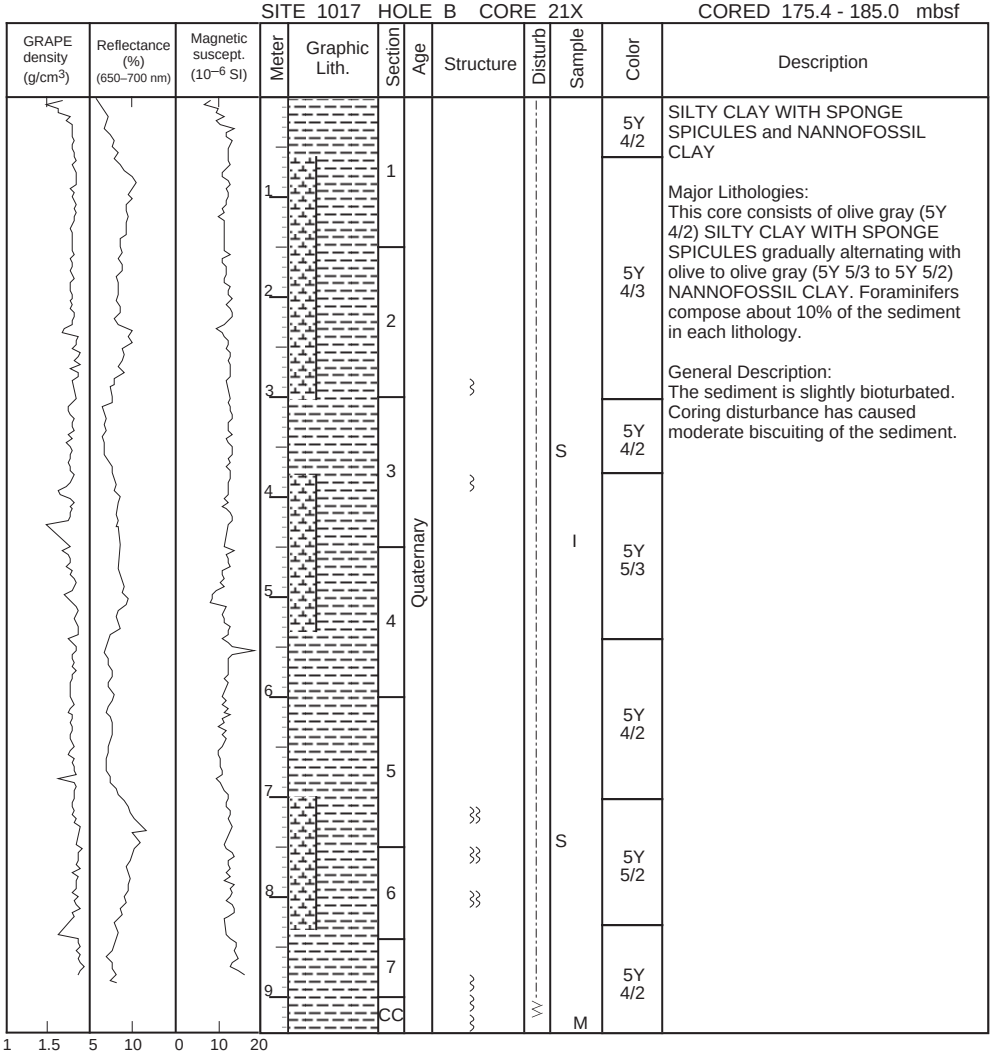
CLAYEY SILT WITH FORAMINIFERS

Major Lithology:
This core consists of homogeneous dark olive gray to olive (5Y 3/2 to 5Y 4/2) CLAYEY SILT WITH FORAMINIFERS. The sediments also contain up to 10% nannofossils.

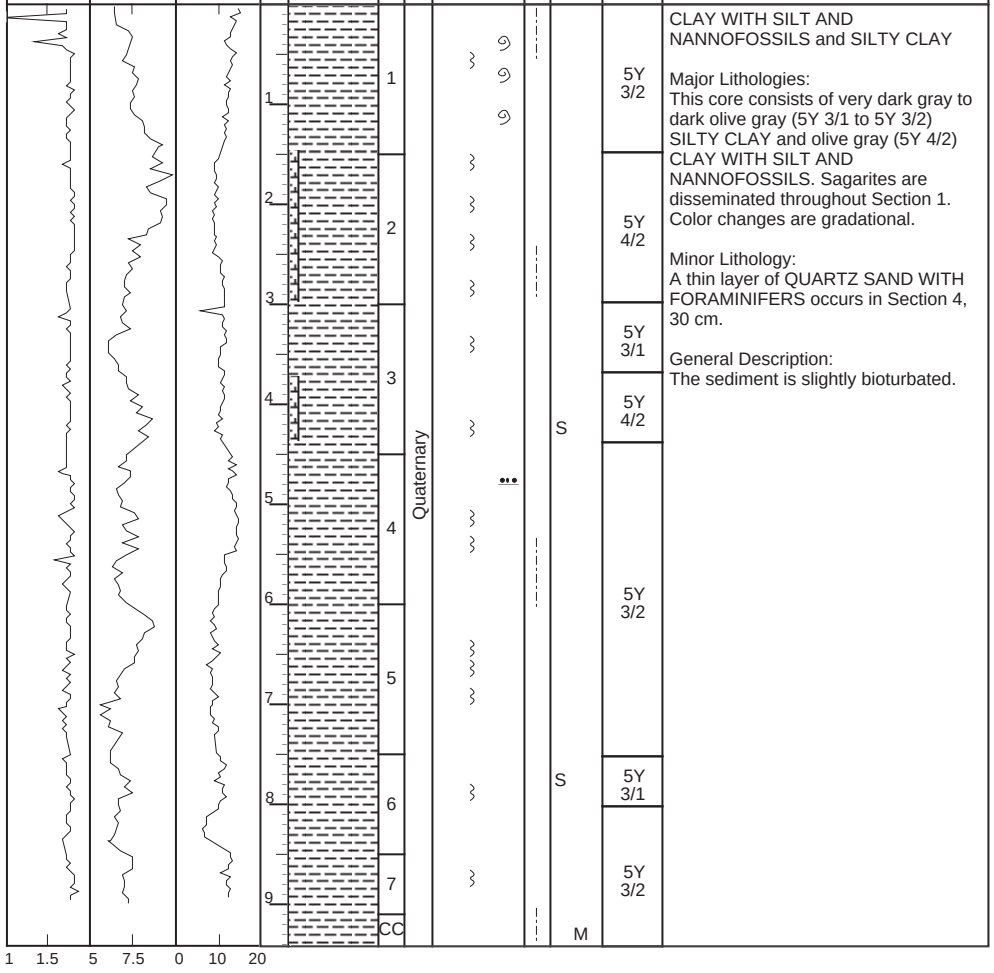
Minor Lithologies:
A small pod of QUARTZ FELDSPAR SAND is present in Section 6, 45 cm.

General Description:
The sediment is homogeneous except for thin intervals that are slightly bioturbated.

SITE 1017 HOLE B CORE 21X CORED 175.4 - 185.0 mbsf



SITE 1017 HOLE B CORE 22X CORED 185.0 - 194.6 mbsf



Description

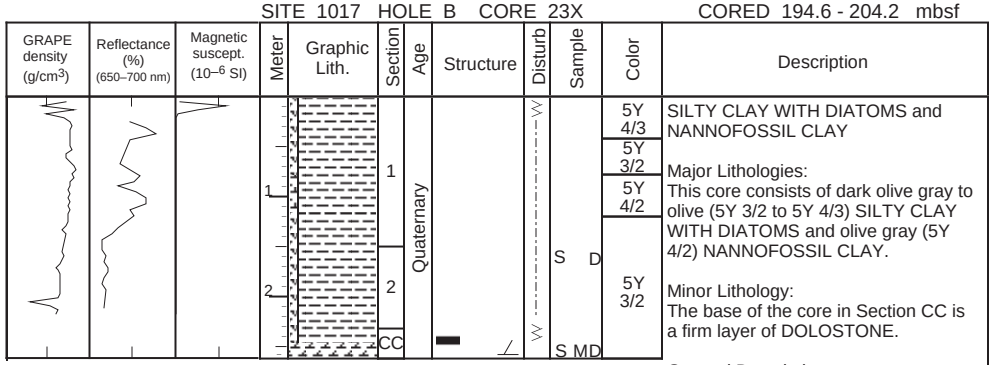
CLAY WITH SILT AND NANNOFOSSILS and SILTY CLAY

Major Lithologies:
This core consists of very dark gray to dark olive gray (5Y 3/1 to 5Y 3/2) SILTY CLAY and olive gray (5Y 4/2) CLAY WITH SILT AND NANNOFOSSILS. Sagarites are disseminated throughout Section 1. Color changes are gradational.

Minor Lithology:
A thin layer of QUARTZ SAND WITH FORAMINIFERS occurs in Section 4, 30 cm.

General Description:
The sediment is slightly bioturbated.

SITE 1017 HOLE B CORE 23X CORED 194.6 - 204.2 mbsf



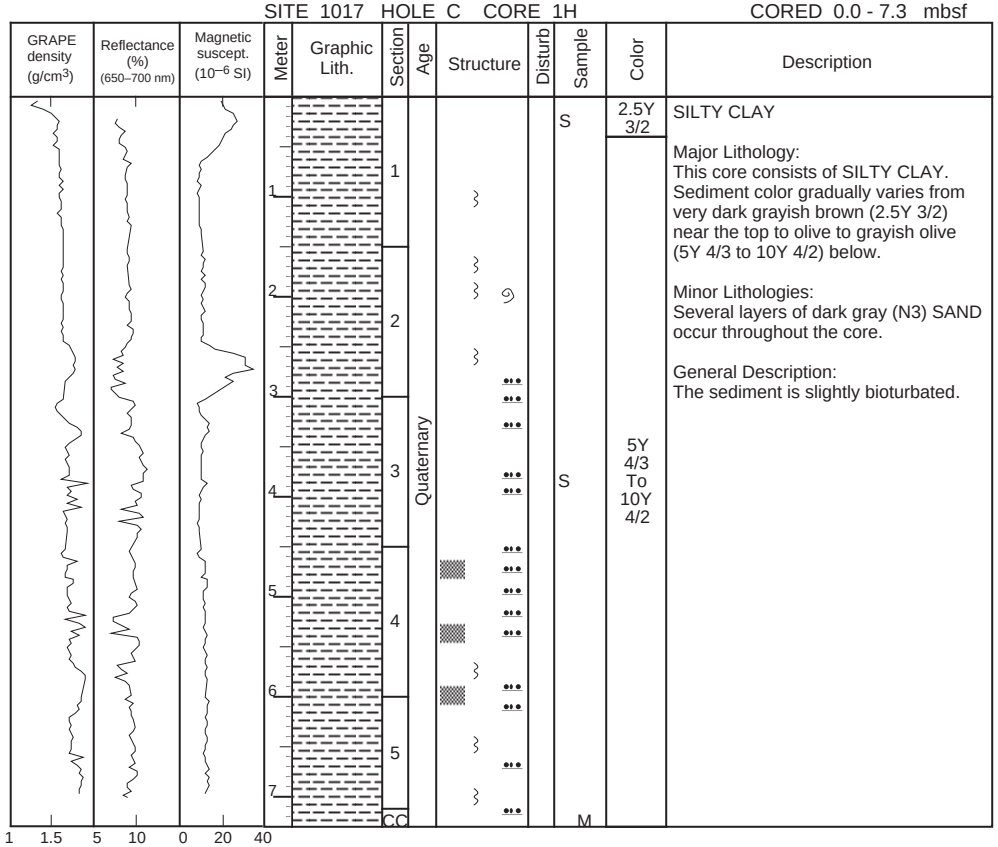
SILTY CLAY WITH DIATOMS and NANNOFOSSIL CLAY

Major Lithologies:
This core consists of dark olive gray to olive (5Y 3/2 to 5Y 4/3) SILTY CLAY WITH DIATOMS and olive gray (5Y 4/2) NANNOFOSSIL CLAY.

Minor Lithology:
The base of the core in Section CC is a firm layer of DOLOSTONE.

General Description:
The sediment is slightly to moderately bioturbated and moderately biscuited by XCB coring.

SITE 1017 HOLE C CORE 1H CORED 0.0 - 7.3 mbsf



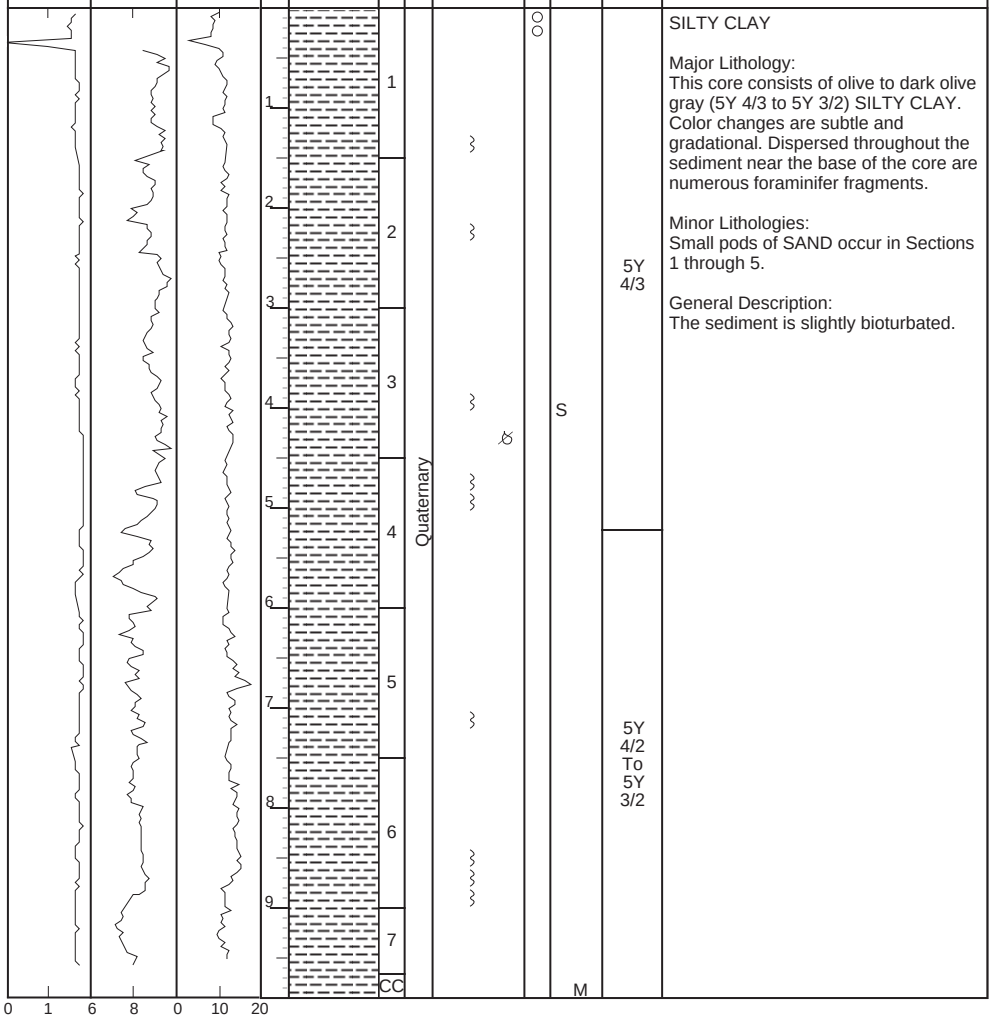
SILTY CLAY

Major Lithology:
This core consists of SILTY CLAY. Sediment color gradually varies from very dark grayish brown (2.5Y 3/2) near the top to olive to grayish olive (5Y 4/3 to 10Y 4/2) below.

Minor Lithologies:
Several layers of dark gray (N3) SAND occur throughout the core.

General Description:
The sediment is slightly bioturbated.

SITE 1017 HOLE C CORE 2H CORED 7.3 - 16.8 mbsf



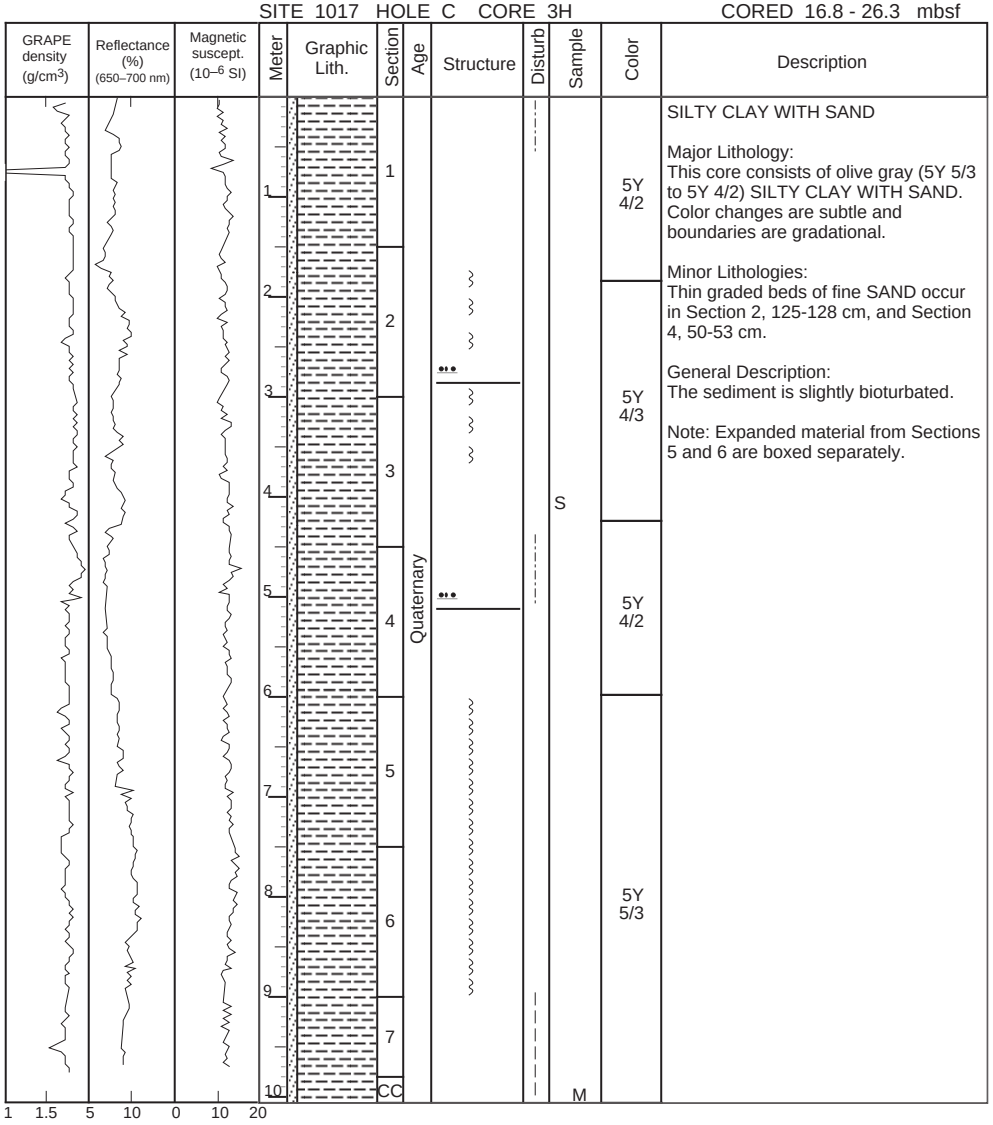
SILTY CLAY

Major Lithology:
This core consists of olive to dark olive gray (5Y 4/3 to 5Y 3/2) SILTY CLAY. Color changes are subtle and gradational. Dispersed throughout the sediment near the base of the core are numerous foraminifer fragments.

Minor Lithologies:
Small pods of SAND occur in Sections 1 through 5.

General Description:
The sediment is slightly bioturbated.

SITE 1017 HOLE C CORE 3H CORED 16.8 - 26.3 mbsf



SILTY CLAY WITH SAND

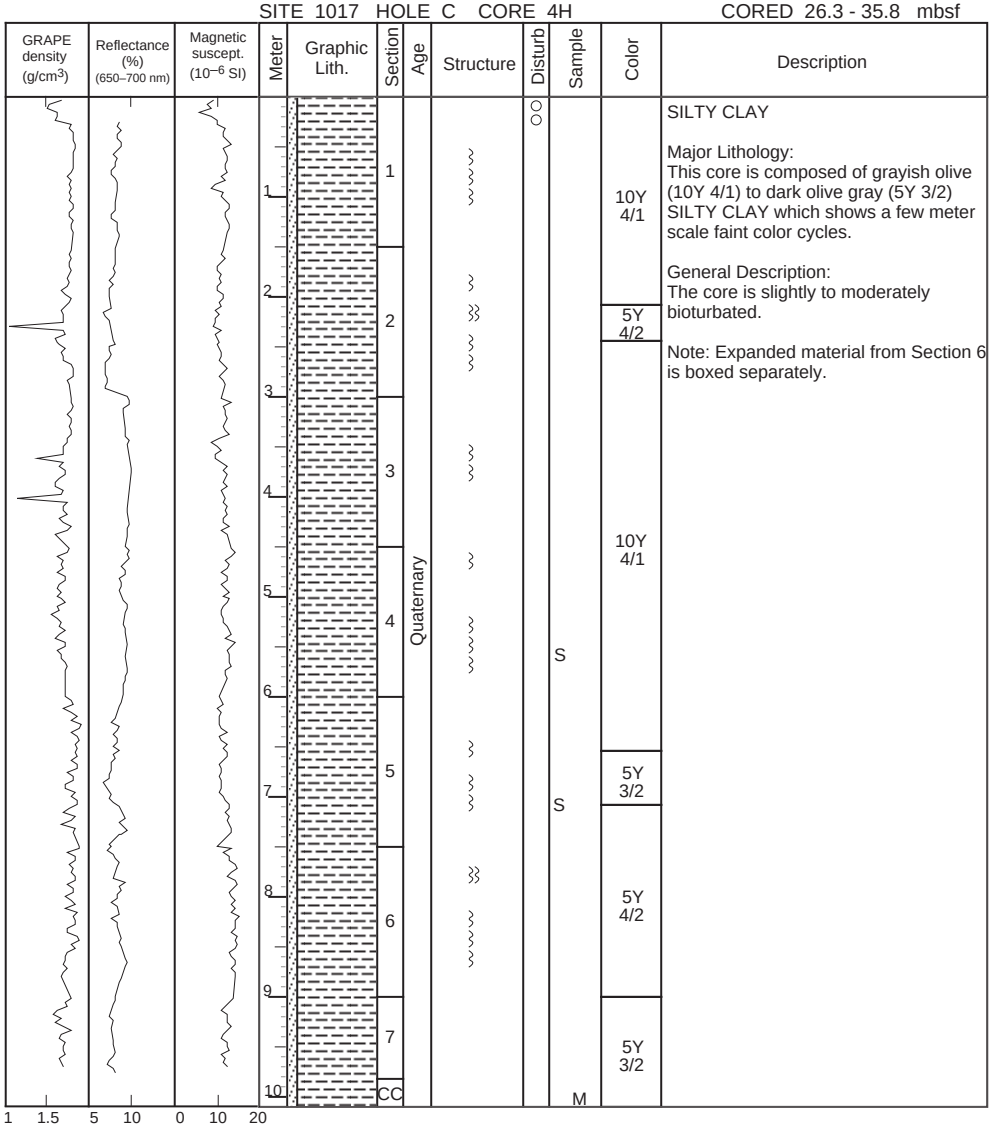
Major Lithology:
This core consists of olive gray (5Y 5/3 to 5Y 4/2) SILTY CLAY WITH SAND. Color changes are subtle and boundaries are gradational.

Minor Lithologies:
Thin graded beds of fine SAND occur in Section 2, 125-128 cm, and Section 4, 50-53 cm.

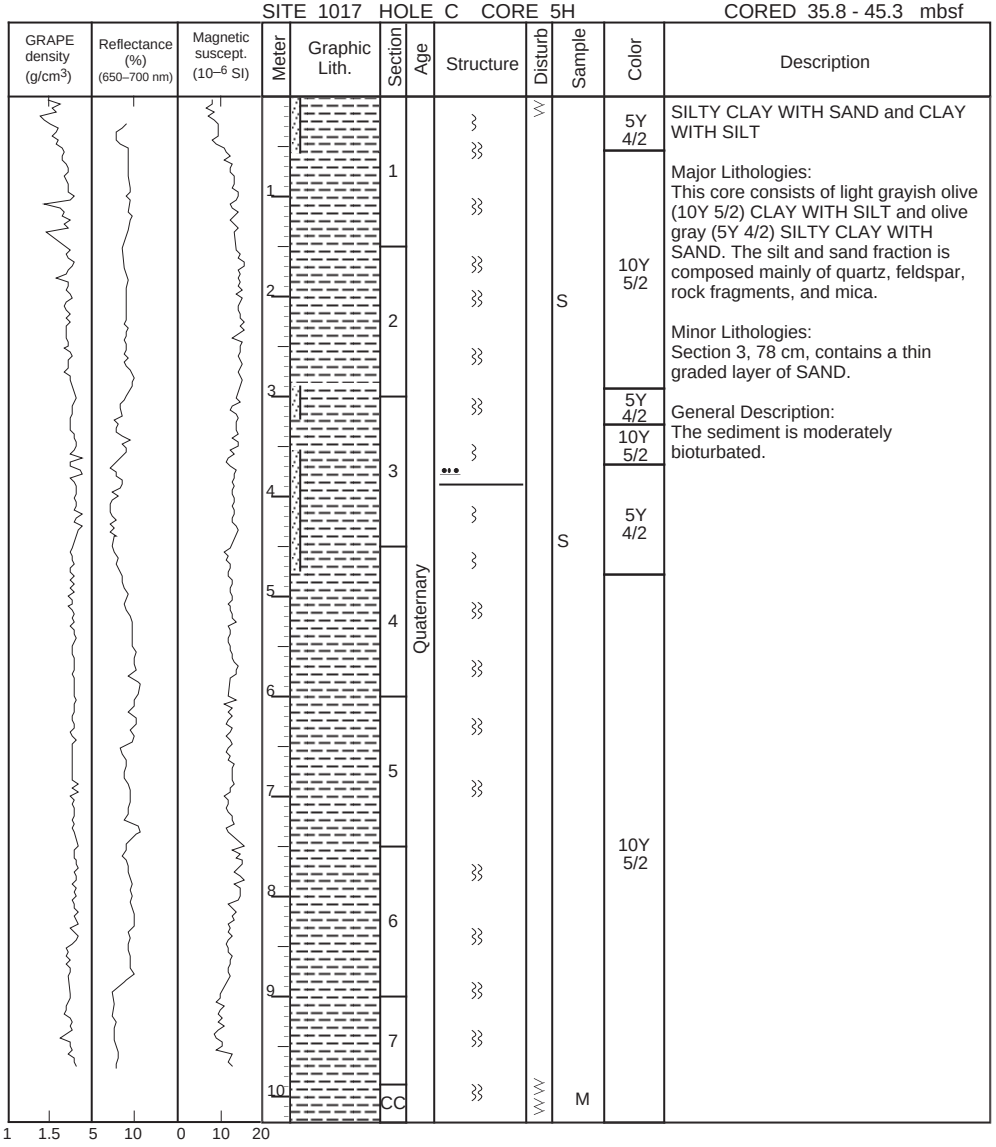
General Description:
The sediment is slightly bioturbated.

Note: Expanded material from Sections 5 and 6 are boxed separately.

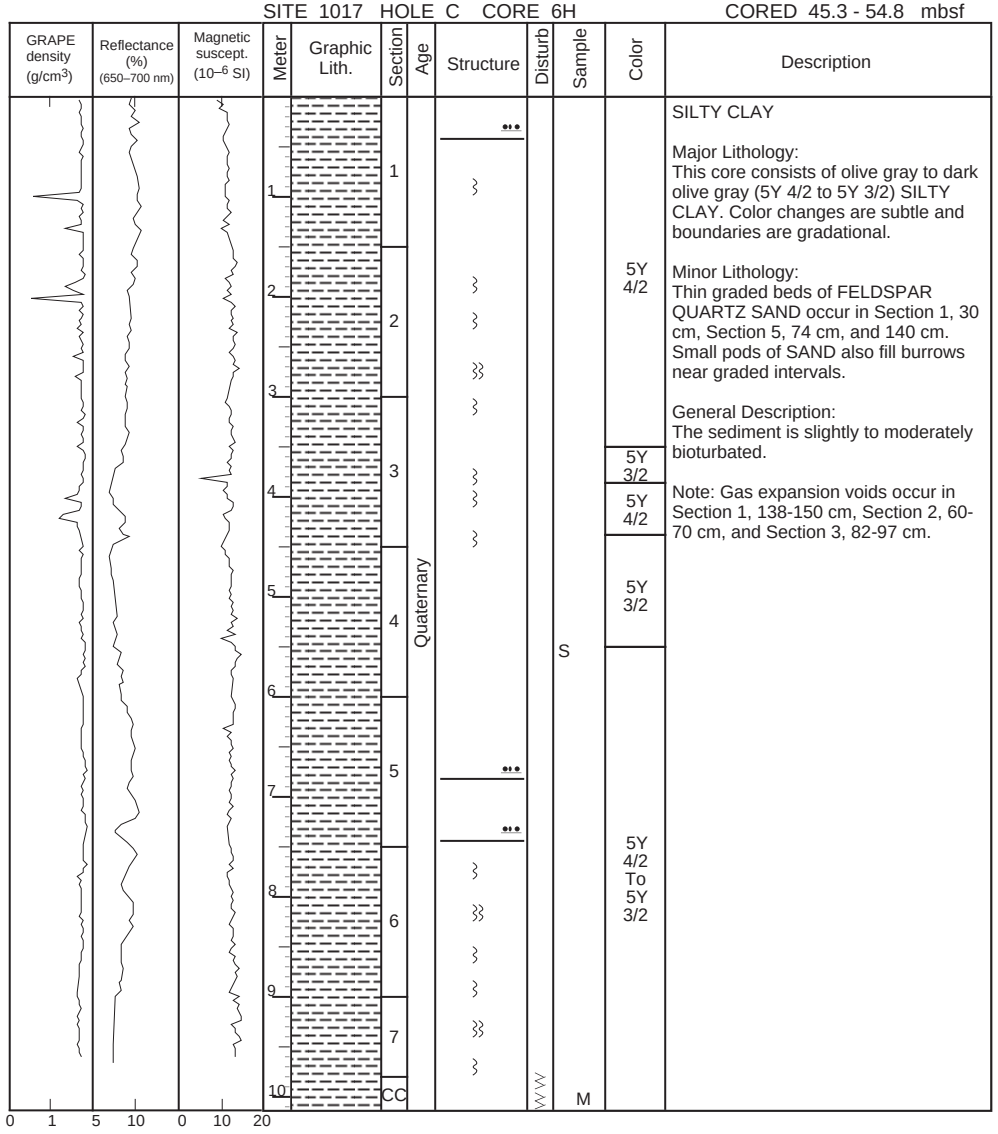
SITE 1017 HOLE C CORE 4H CORED 26.3 - 35.8 mbsf



SITE 1017 HOLE C CORE 5H CORED 35.8 - 45.3 mbsf



SITE 1017 HOLE C CORE 6H CORED 45.3 - 54.8 mbsf



SILTY CLAY

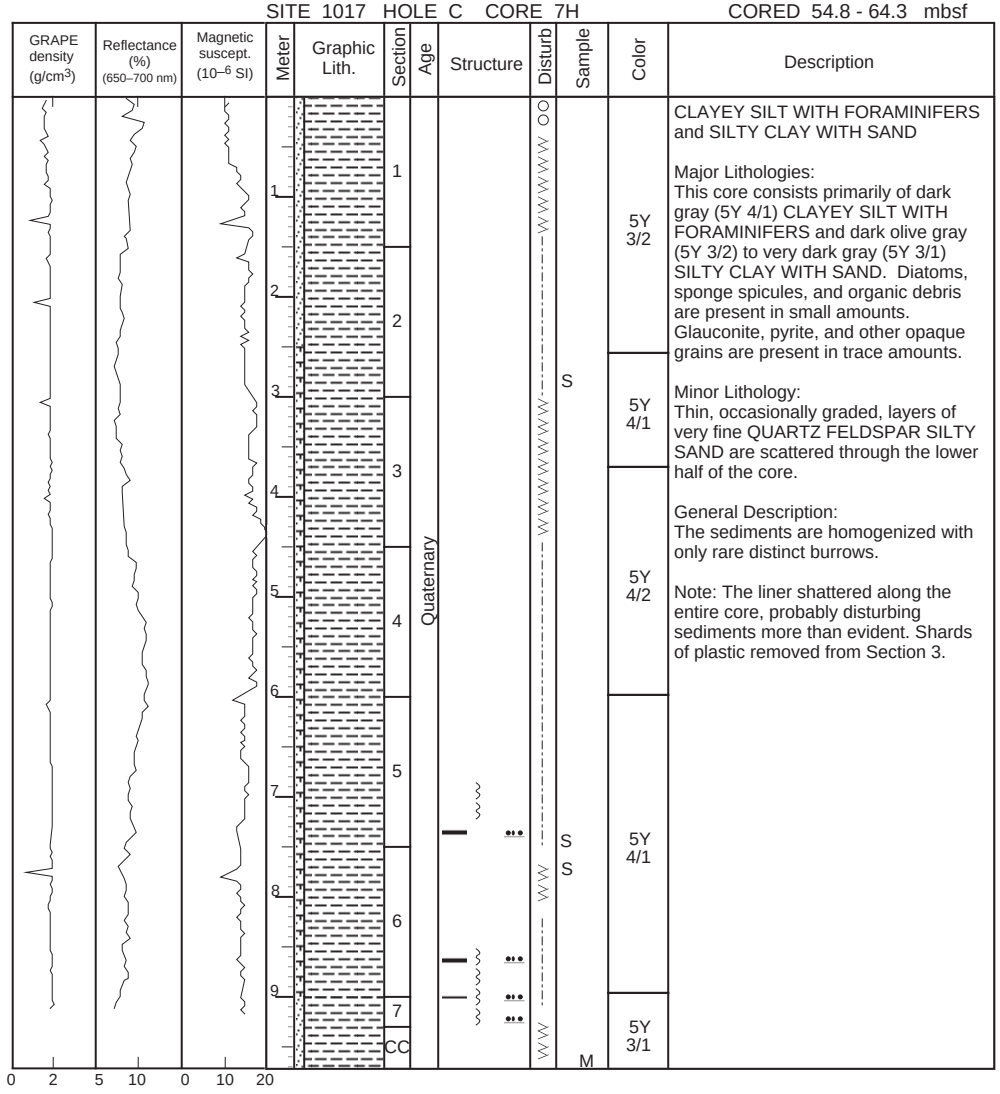
Major Lithology:
This core consists of olive gray to dark olive gray (5Y 4/2 to 5Y 3/2) SILTY CLAY. Color changes are subtle and boundaries are gradational.

Minor Lithology:
Thin graded beds of FELDSPAR QUARTZ SAND occur in Section 1, 30 cm, Section 5, 74 cm, and 140 cm. Small pods of SAND also fill burrows near graded intervals.

General Description:
The sediment is slightly to moderately bioturbated.

Note: Gas expansion voids occur in Section 1, 138-150 cm, Section 2, 60-70 cm, and Section 3, 82-97 cm.

SITE 1017 HOLE C CORE 7H CORED 54.8 - 64.3 mbsf



CLAYEY SILT WITH FORAMINIFERS and SILTY CLAY WITH SAND

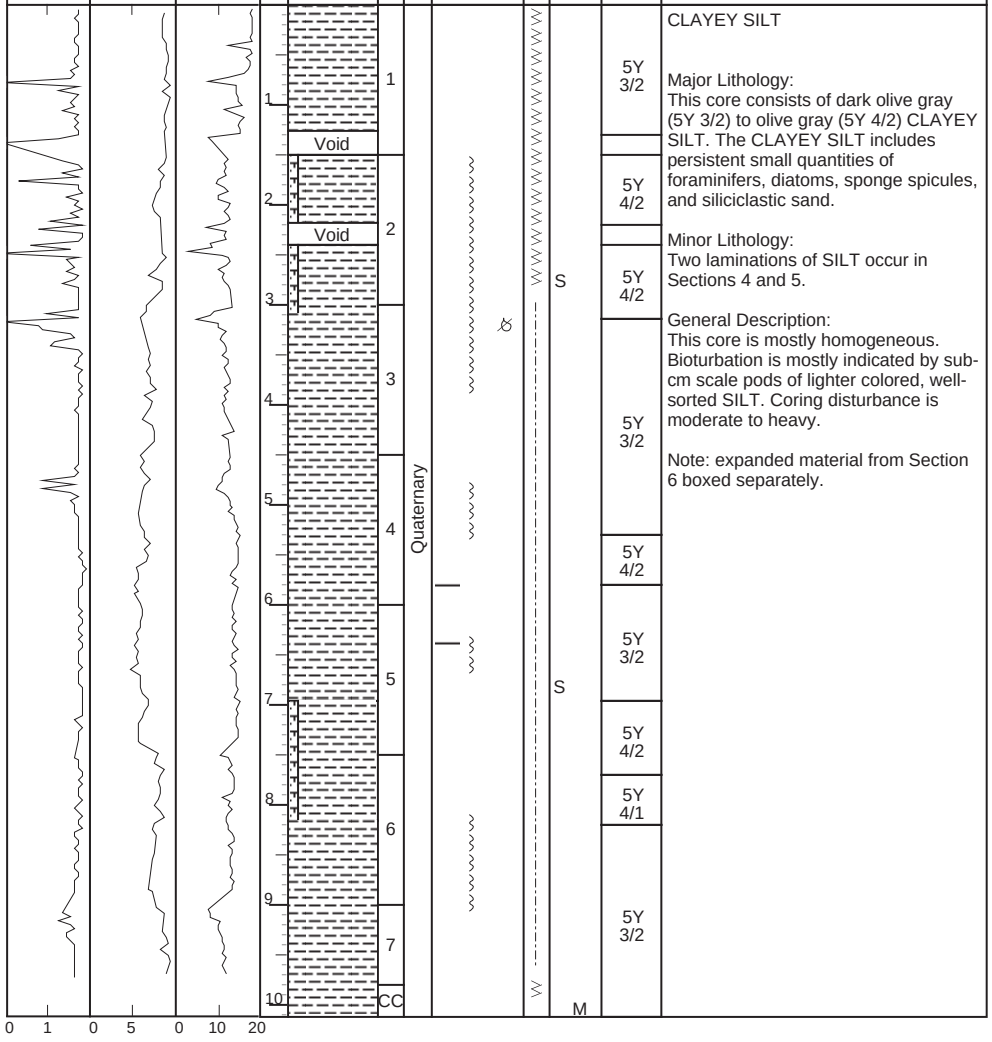
Major Lithologies:
This core consists primarily of dark gray (5Y 4/1) CLAYEY SILT WITH FORAMINIFERS and dark olive gray (5Y 3/2) to very dark gray (5Y 3/1) SILTY CLAY WITH SAND. Diatoms, sponge spicules, and organic debris are present in small amounts. Glauconite, pyrite, and other opaque grains are present in trace amounts.

Minor Lithology:
Thin, occasionally graded, layers of very fine QUARTZ FELDSPAR SILTY SAND are scattered through the lower half of the core.

General Description:
The sediments are homogenized with only rare distinct burrows.

Note: The liner shattered along the entire core, probably disturbing sediments more than evident. Shards of plastic removed from Section 3.

SITE 1017 HOLE C CORE 8H CORED 64.3 - 73.8 mbsf



CLAYEY SILT

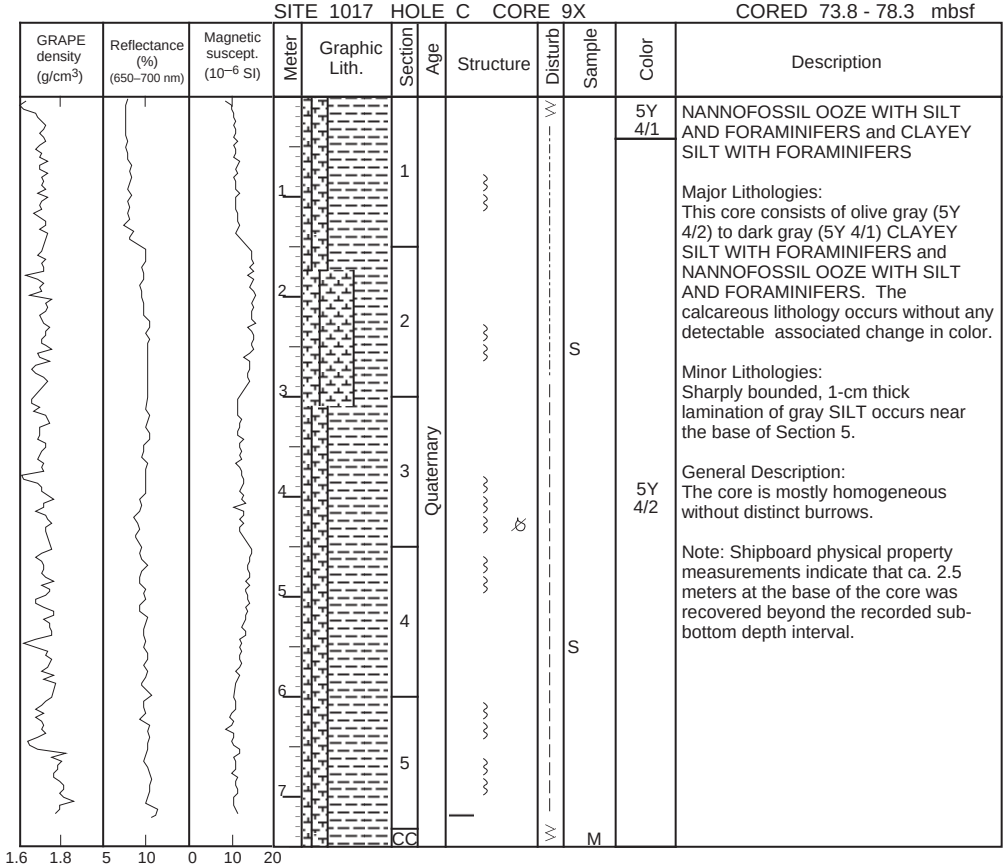
Major Lithology:
This core consists of dark olive gray (5Y 3/2) to olive gray (5Y 4/2) CLAYEY SILT. The CLAYEY SILT includes persistent small quantities of foraminifers, diatoms, sponge spicules, and siliciclastic sand.

Minor Lithology:
Two laminations of SILT occur in Sections 4 and 5.

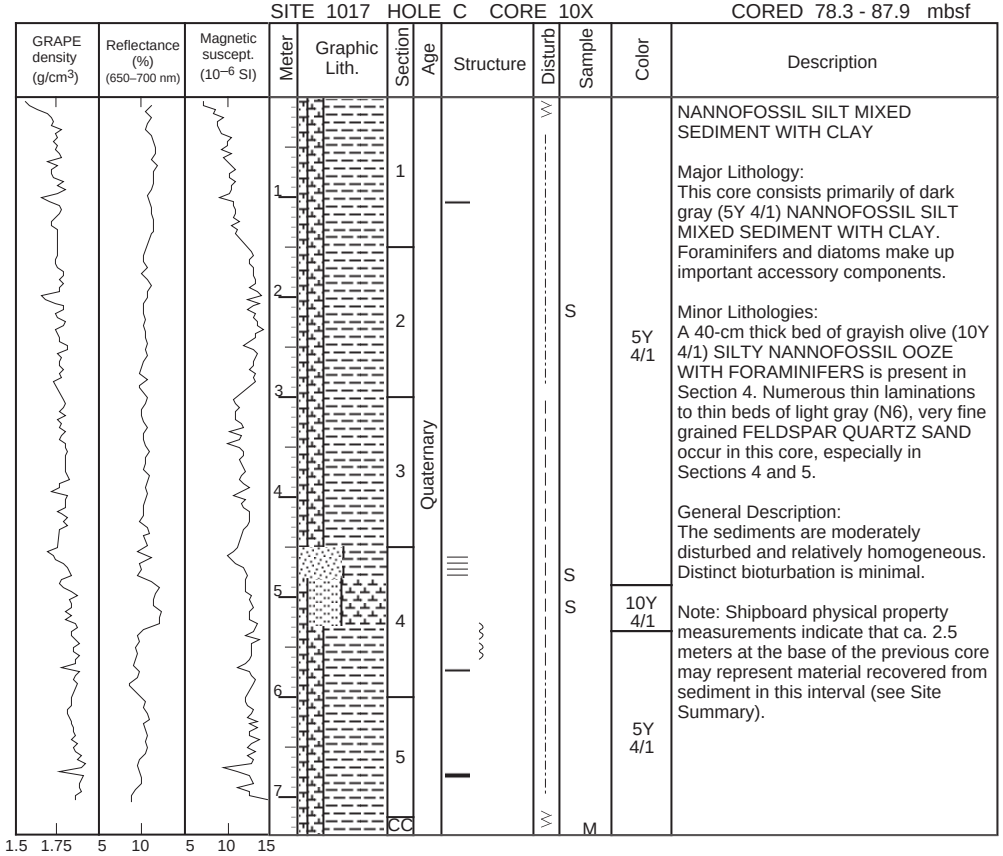
General Description:
This core is mostly homogeneous. Bioturbation is mostly indicated by sub-cm scale pods of lighter colored, well-sorted SILT. Coring disturbance is moderate to heavy.

Note: expanded material from Section 6 boxed separately.

SITE 1017 HOLE C CORE 9X CORED 73.8 - 78.3 mbsf



SITE 1017 HOLE C CORE 10X CORED 78.3 - 87.9 mbsf



Description

NANNOFOSSIL SILT MIXED SEDIMENT WITH CLAY

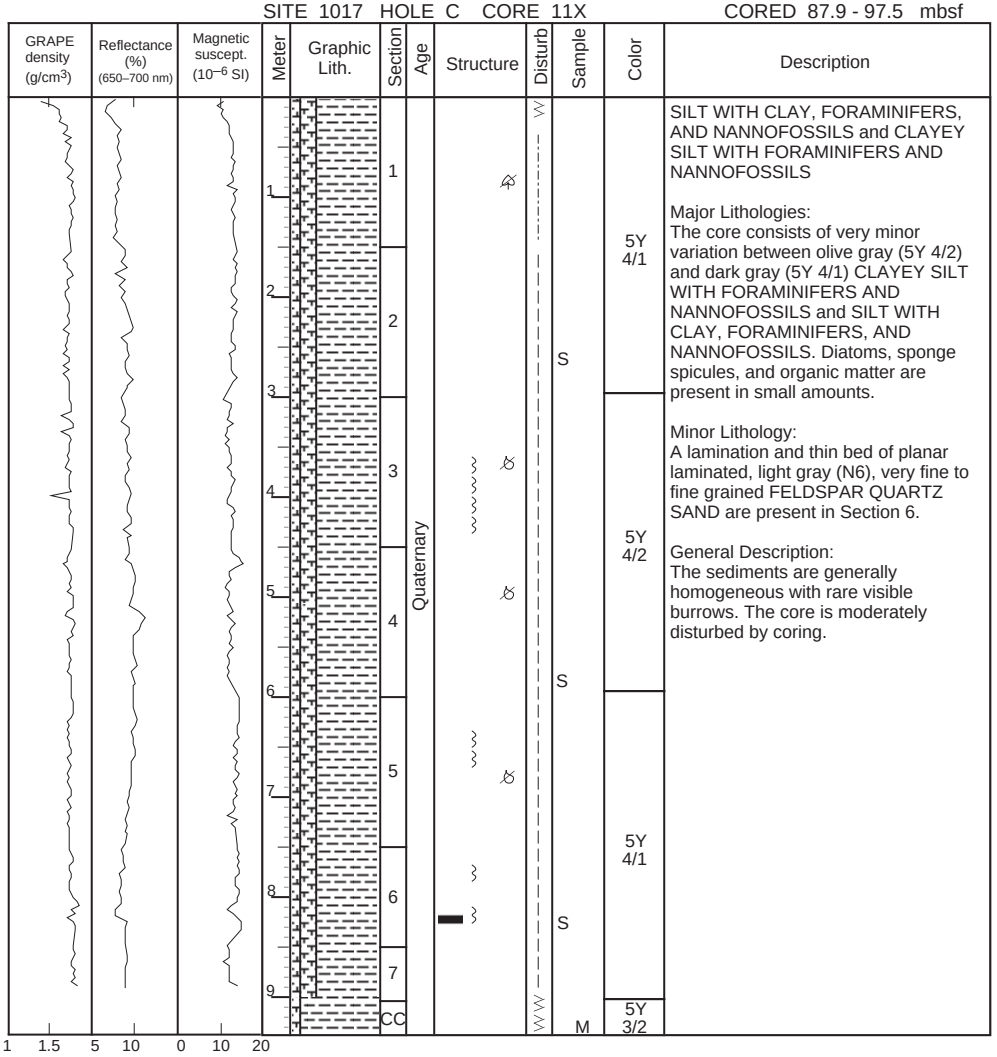
Major Lithology:
This core consists primarily of dark gray (5Y 4/1) NANNOFOSSIL SILT MIXED SEDIMENT WITH CLAY. Foraminifers and diatoms make up important accessory components.

Minor Lithologies:
A 40-cm thick bed of grayish olive (10Y 4/1) SILTY NANNOFOSSIL OOZE WITH FORAMINIFERS is present in Section 4. Numerous thin laminations to thin beds of light gray (N6), very fine grained FELDSPAR QUARTZ SAND occur in this core, especially in Sections 4 and 5.

General Description:
The sediments are moderately disturbed and relatively homogeneous. Distinct bioturbation is minimal.

Note: Shipboard physical property measurements indicate that ca. 2.5 meters at the base of the previous core may represent material recovered from sediment in this interval (see Site Summary).

SITE 1017 HOLE C CORE 11X CORED 87.9 - 97.5 mbsf



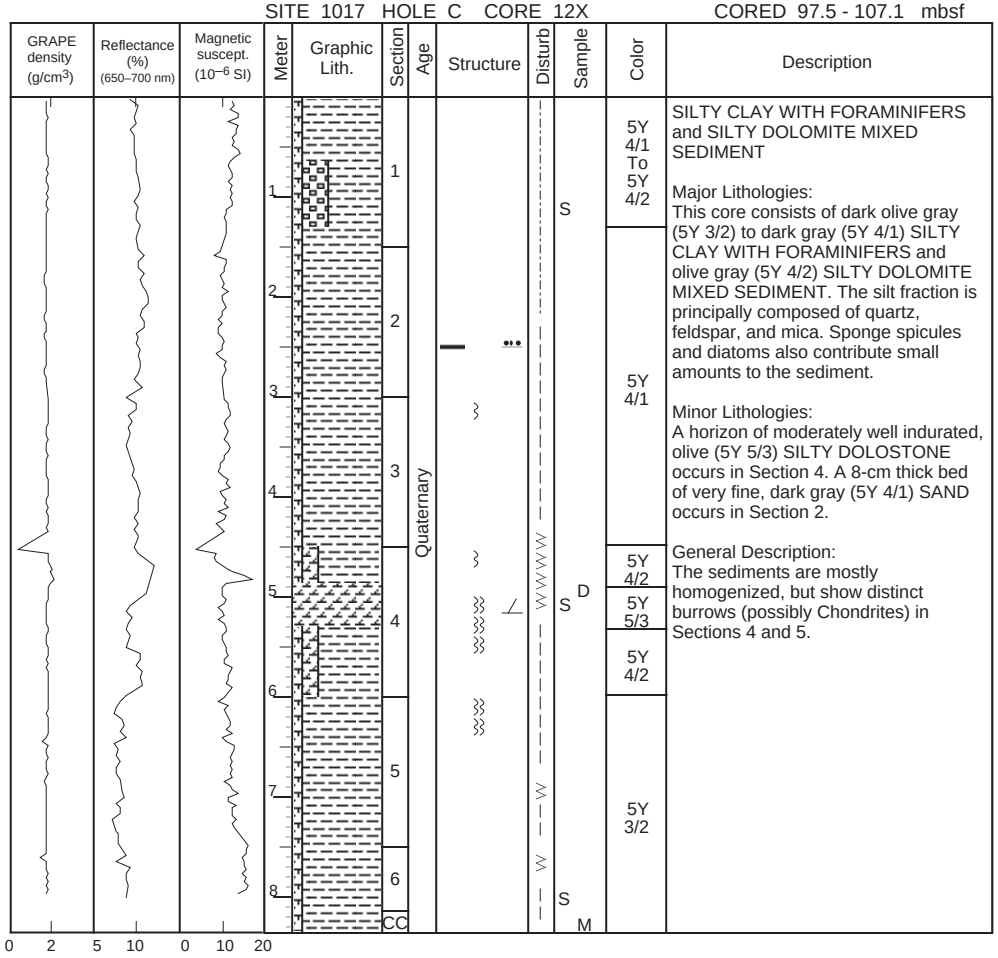
SILT WITH CLAY, FORAMINIFERS, AND NANNOFOSSILS and CLAYEY SILT WITH FORAMINIFERS AND NANNOFOSSILS

Major Lithologies:
The core consists of very minor variation between olive gray (5Y 4/2) and dark gray (5Y 4/1) CLAYEY SILT WITH FORAMINIFERS AND NANNOFOSSILS and SILT WITH CLAY, FORAMINIFERS, AND NANNOFOSSILS. Diatoms, sponge spicules, and organic matter are present in small amounts.

Minor Lithology:
A lamination and thin bed of planar laminated, light gray (N6), very fine to fine grained FELDSPAR QUARTZ SAND are present in Section 6.

General Description:
The sediments are generally homogeneous with rare visible burrows. The core is moderately disturbed by coring.

SITE 1017 HOLE C CORE 12X CORED 97.5 - 107.1 mbsf



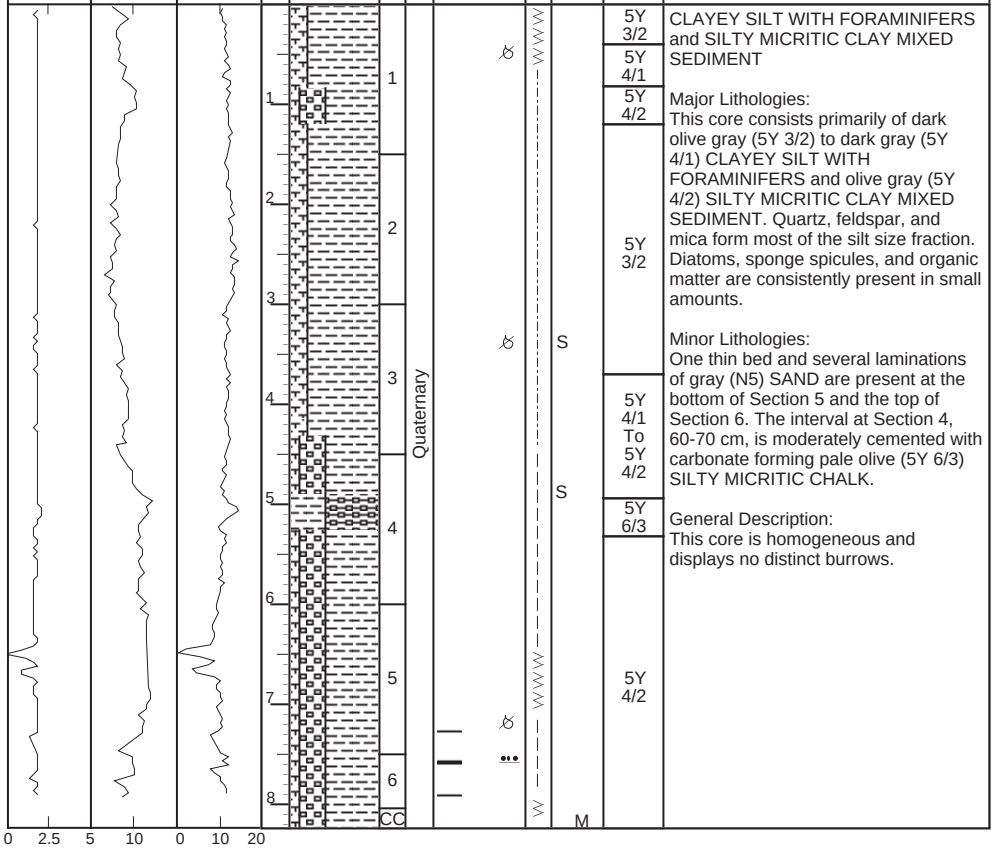
SILTY CLAY WITH FORAMINIFERS and SILTY DOLOMITE MIXED SEDIMENT

Major Lithologies:
This core consists of dark olive gray (5Y 3/2) to dark gray (5Y 4/1) SILTY CLAY WITH FORAMINIFERS and olive gray (5Y 4/2) SILTY DOLOMITE MIXED SEDIMENT. The silt fraction is principally composed of quartz, feldspar, and mica. Sponge spicules and diatoms also contribute small amounts to the sediment.

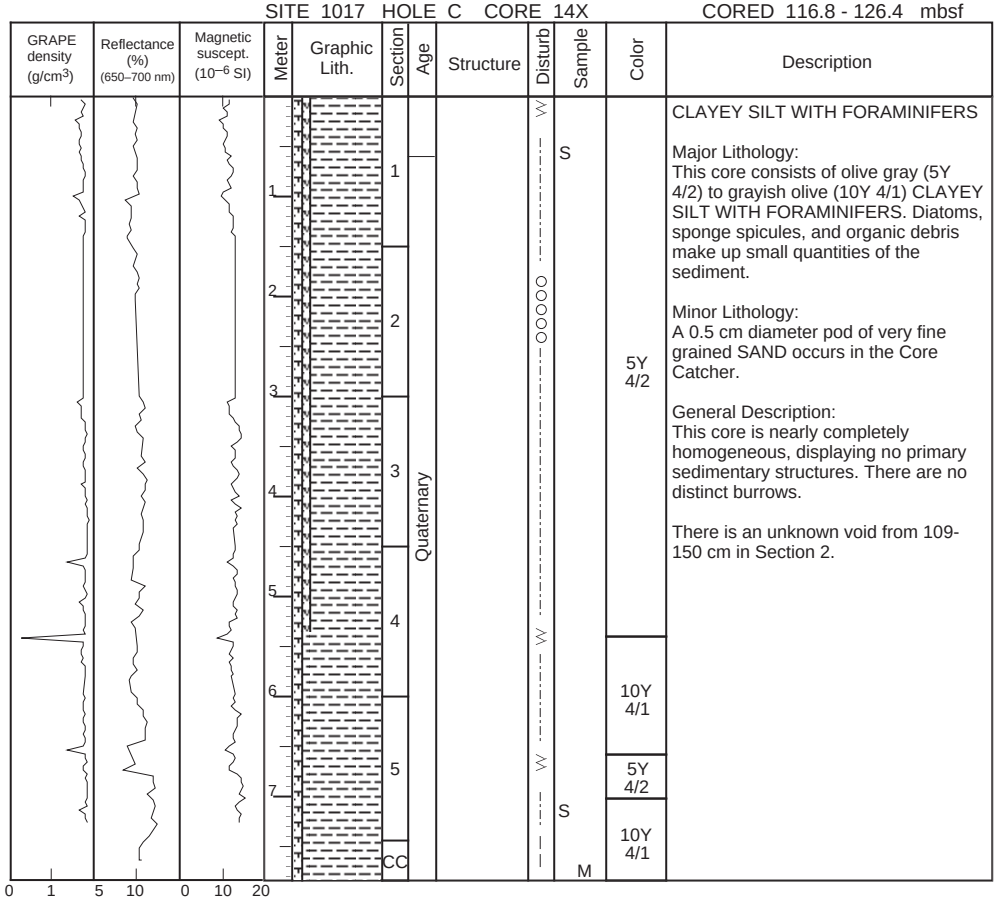
Minor Lithologies:
A horizon of moderately well indurated, olive (5Y 5/3) SILTY DOLOSTONE occurs in Section 4. A 8-cm thick bed of very fine, dark gray (5Y 4/1) SAND occurs in Section 2.

General Description:
The sediments are mostly homogenized, but show distinct burrows (possibly Chondrites) in Sections 4 and 5.

SITE 1017 HOLE C CORE 13X CORED 107.1 - 116.8 mbsf



SITE 1017 HOLE C CORE 14X CORED 116.8 - 126.4 mbsf



CLAYEY SILT WITH FORAMINIFERS

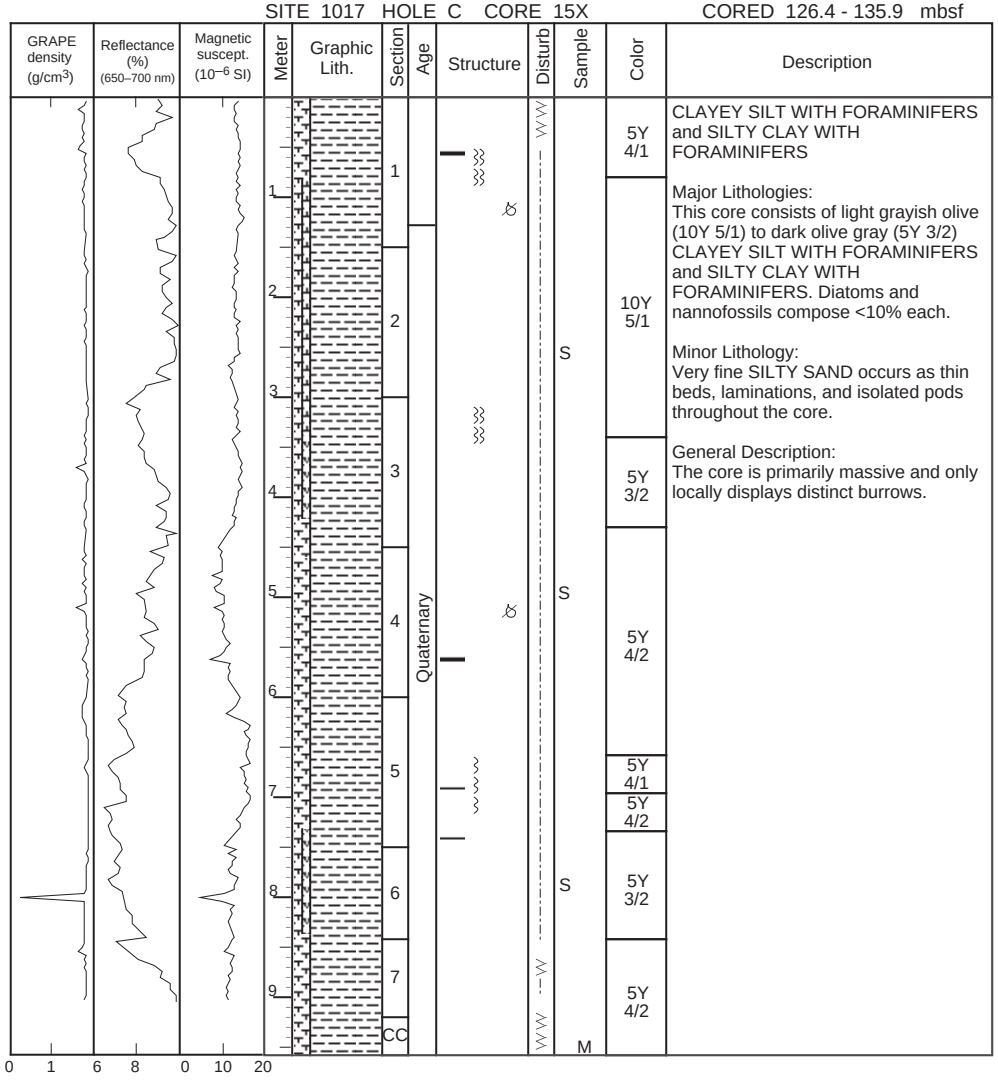
Major Lithology:
This core consists of olive gray (5Y 4/2) to grayish olive (10Y 4/1) CLAYEY SILT WITH FORAMINIFERS. Diatoms, sponge spicules, and organic debris make up small quantities of the sediment.

Minor Lithology:
A 0.5 cm diameter pod of very fine grained SAND occurs in the Core Catcher.

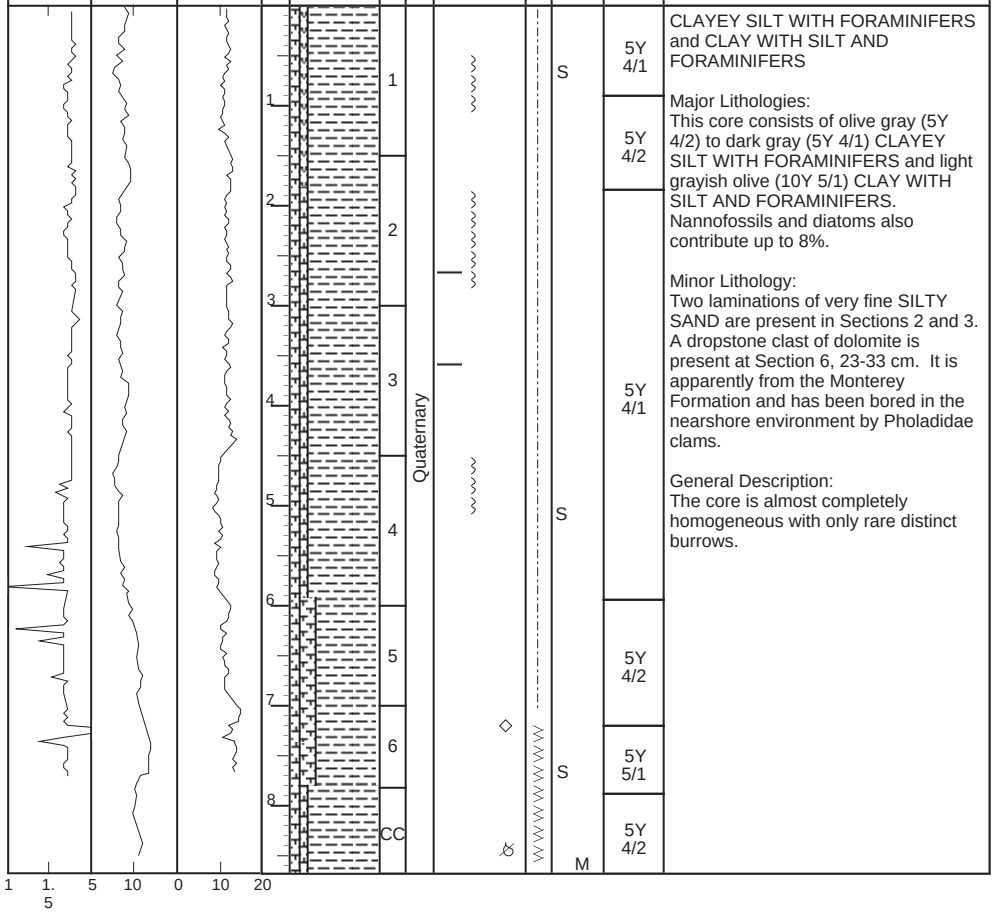
General Description:
This core is nearly completely homogeneous, displaying no primary sedimentary structures. There are no distinct burrows.

There is an unknown void from 109-150 cm in Section 2.

SITE 1017 HOLE C CORE 15X CORED 126.4 - 135.9 mbsf



SITE 1017 HOLE C CORE 16X CORED 135.9 - 145.5 mbsf



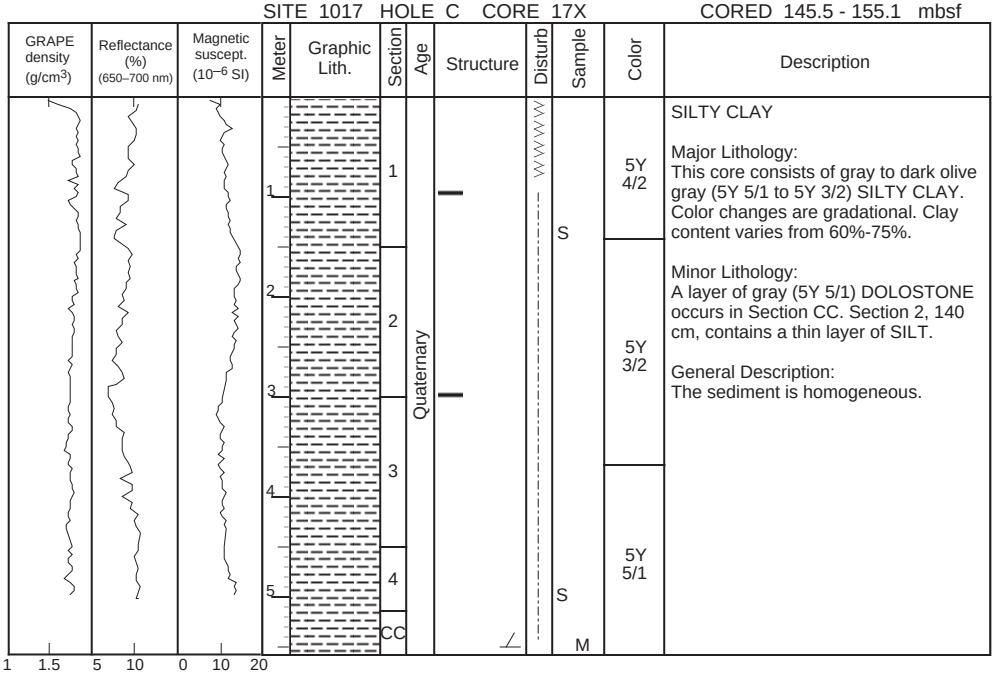
CLAYEY SILT WITH FORAMINIFERS and CLAY WITH SILT AND FORAMINIFERS

Major Lithologies:
This core consists of olive gray (5Y 4/2) to dark gray (5Y 4/1) CLAYEY SILT WITH FORAMINIFERS and light grayish olive (10Y 5/1) CLAY WITH SILT AND FORAMINIFERS. Nannofossils and diatoms also contribute up to 8%.

Minor Lithology:
Two laminations of very fine SILTY SAND are present in Sections 2 and 3. A dropstone clast of dolomite is present at Section 6, 23-33 cm. It is apparently from the Monterey Formation and has been bored in the nearshore environment by Pholadidae clams.

General Description:
The core is almost completely homogeneous with only rare distinct burrows.

SITE 1017 HOLE C CORE 17X CORED 145.5 - 155.1 mbsf



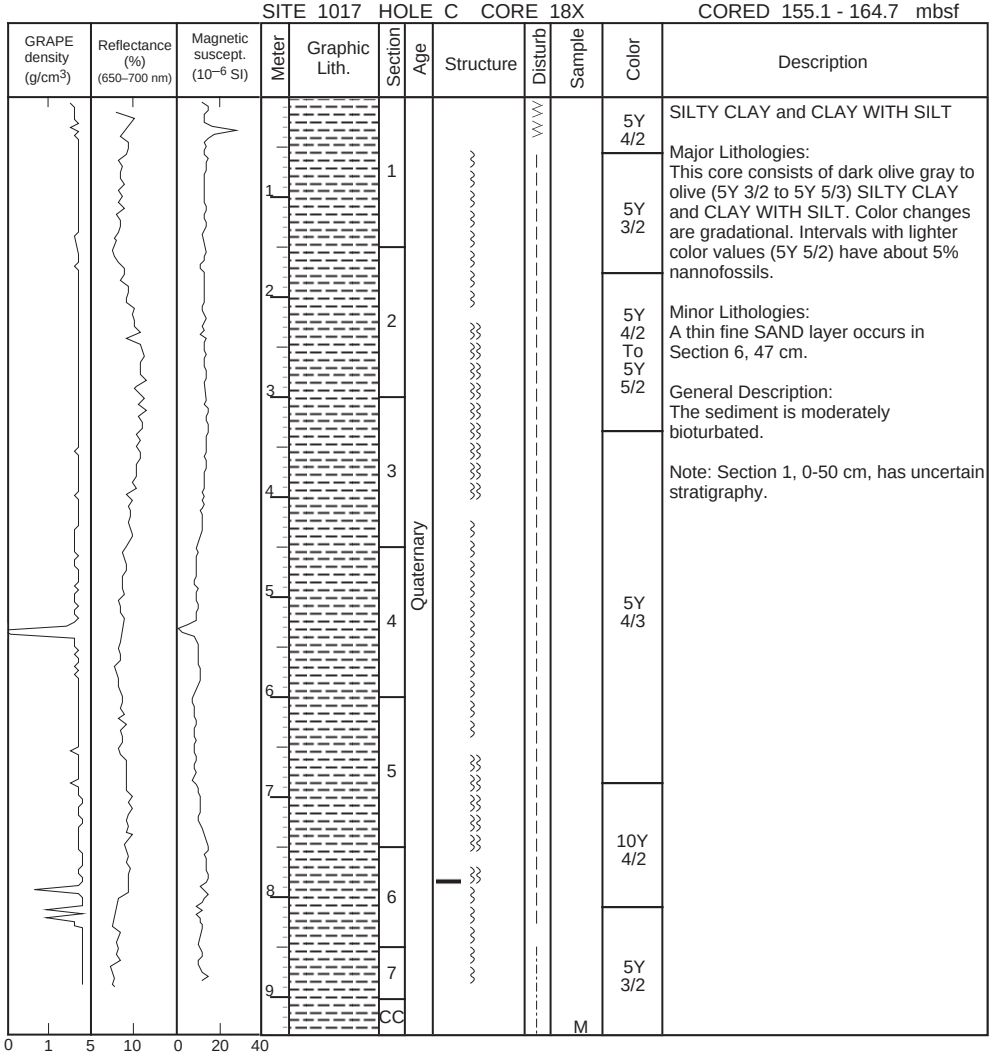
SILTY CLAY

Major Lithology:
This core consists of gray to dark olive gray (5Y 5/1 to 5Y 3/2) SILTY CLAY. Color changes are gradational. Clay content varies from 60%-75%.

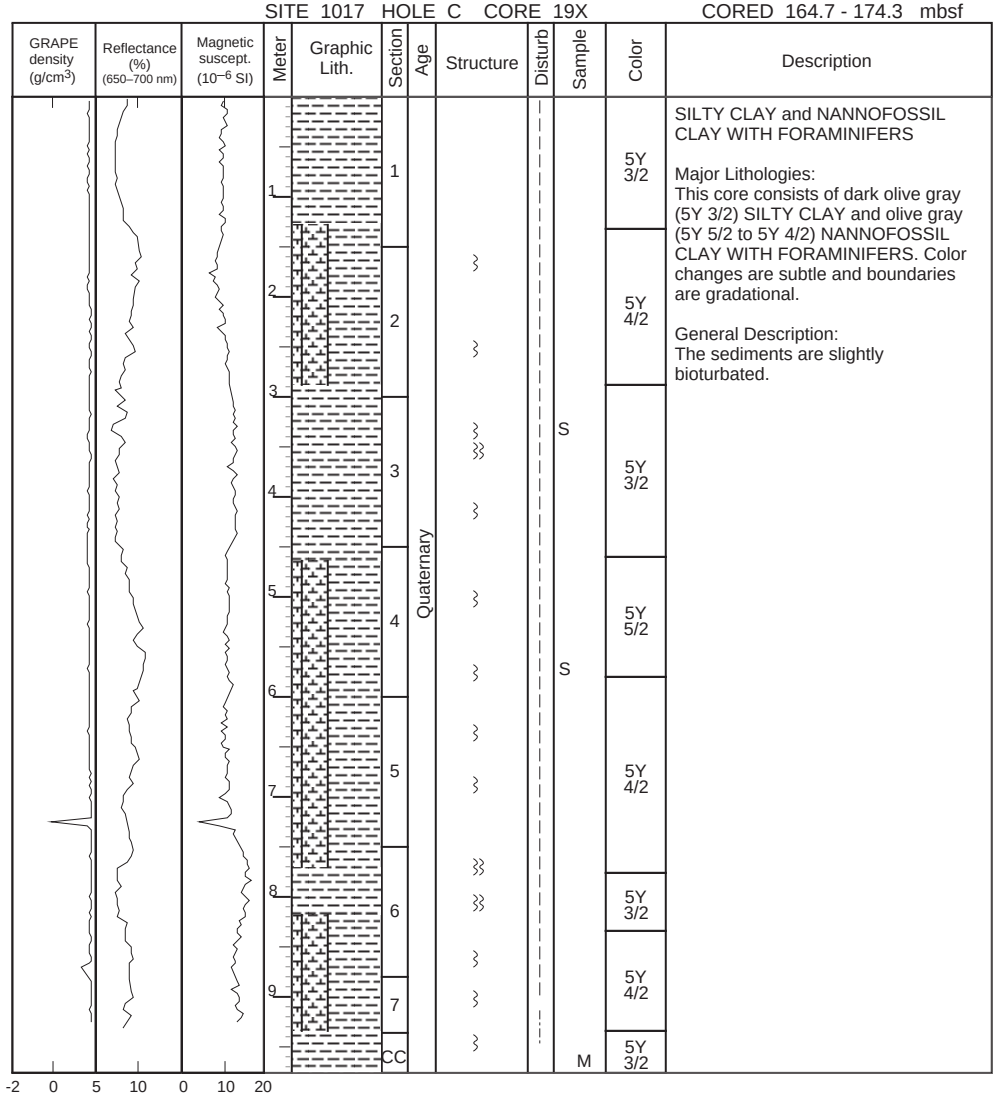
Minor Lithology:
A layer of gray (5Y 5/1) DOLOSTONE occurs in Section CC. Section 2, 140 cm, contains a thin layer of SILT.

General Description:
The sediment is homogeneous.

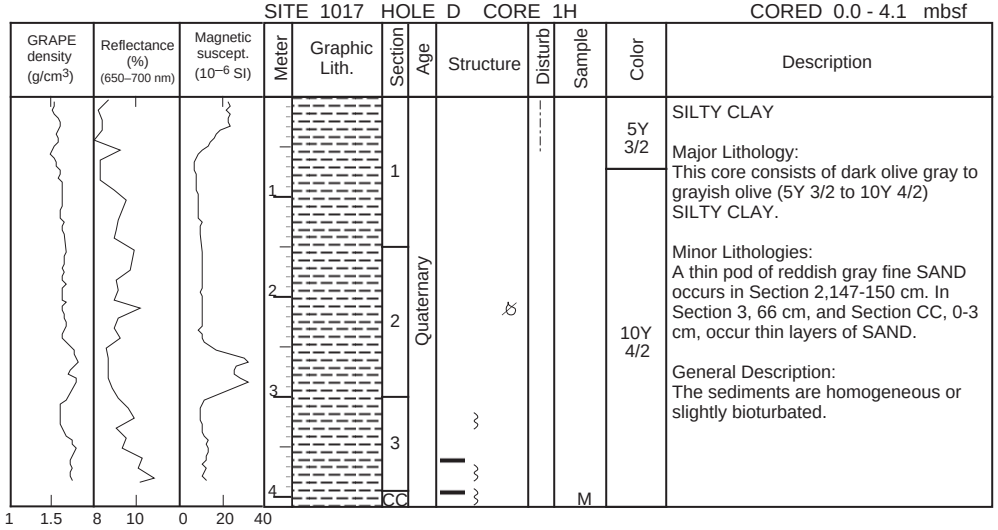
SITE 1017 HOLE C CORE 18X CORED 155.1 - 164.7 mbsf



SITE 1017 HOLE C CORE 19X CORED 164.7 - 174.3 mbsf



SITE 1017 HOLE D CORE 1H CORED 0.0 - 4.1 mbsf



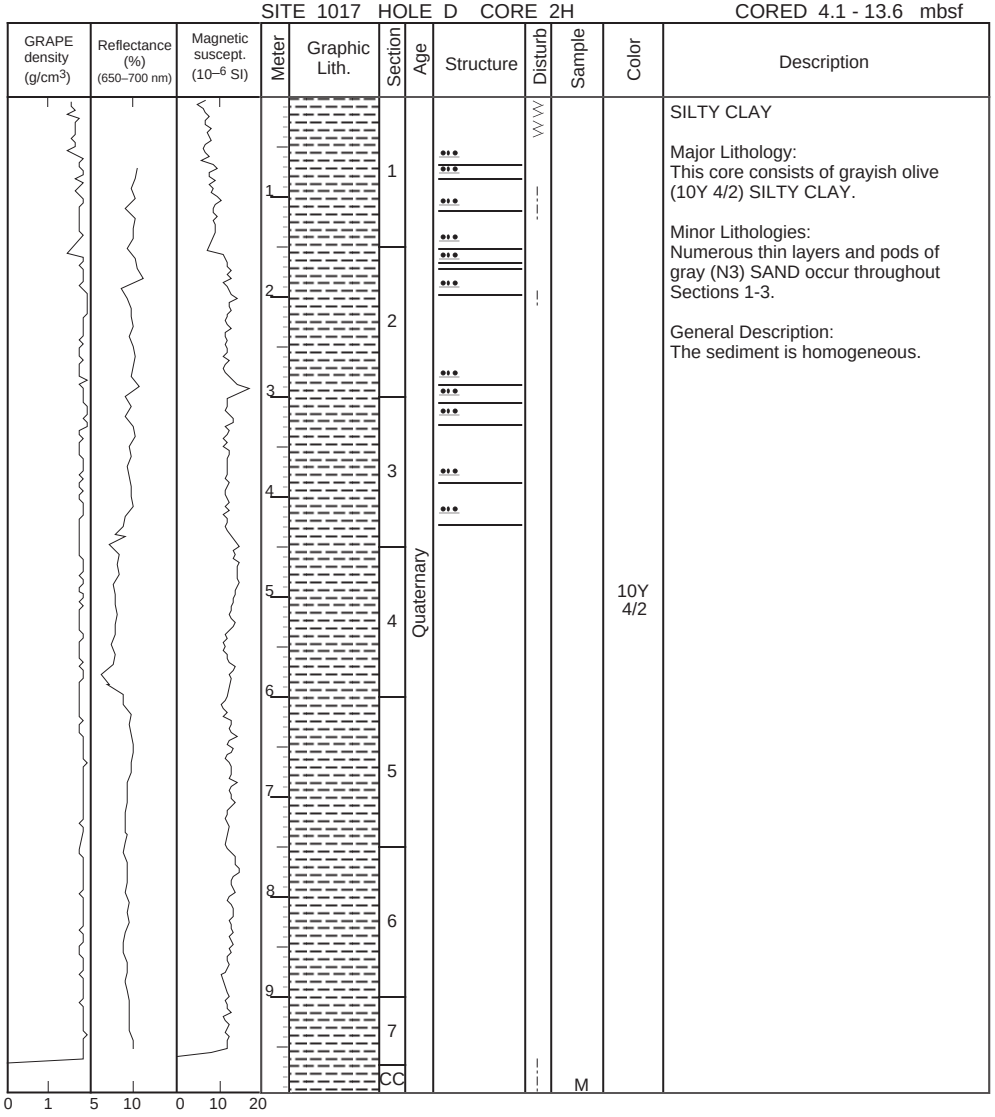
SILTY CLAY

Major Lithology:
This core consists of dark olive gray to grayish olive (5Y 3/2 to 10Y 4/2) SILTY CLAY.

Minor Lithologies:
A thin pod of reddish gray fine SAND occurs in Section 2,147-150 cm. In Section 3, 66 cm, and Section CC, 0-3 cm, occur thin layers of SAND.

General Description:
The sediments are homogeneous or slightly bioturbated.

SITE 1017 HOLE D CORE 2H CORED 4.1 - 13.6 mbsf



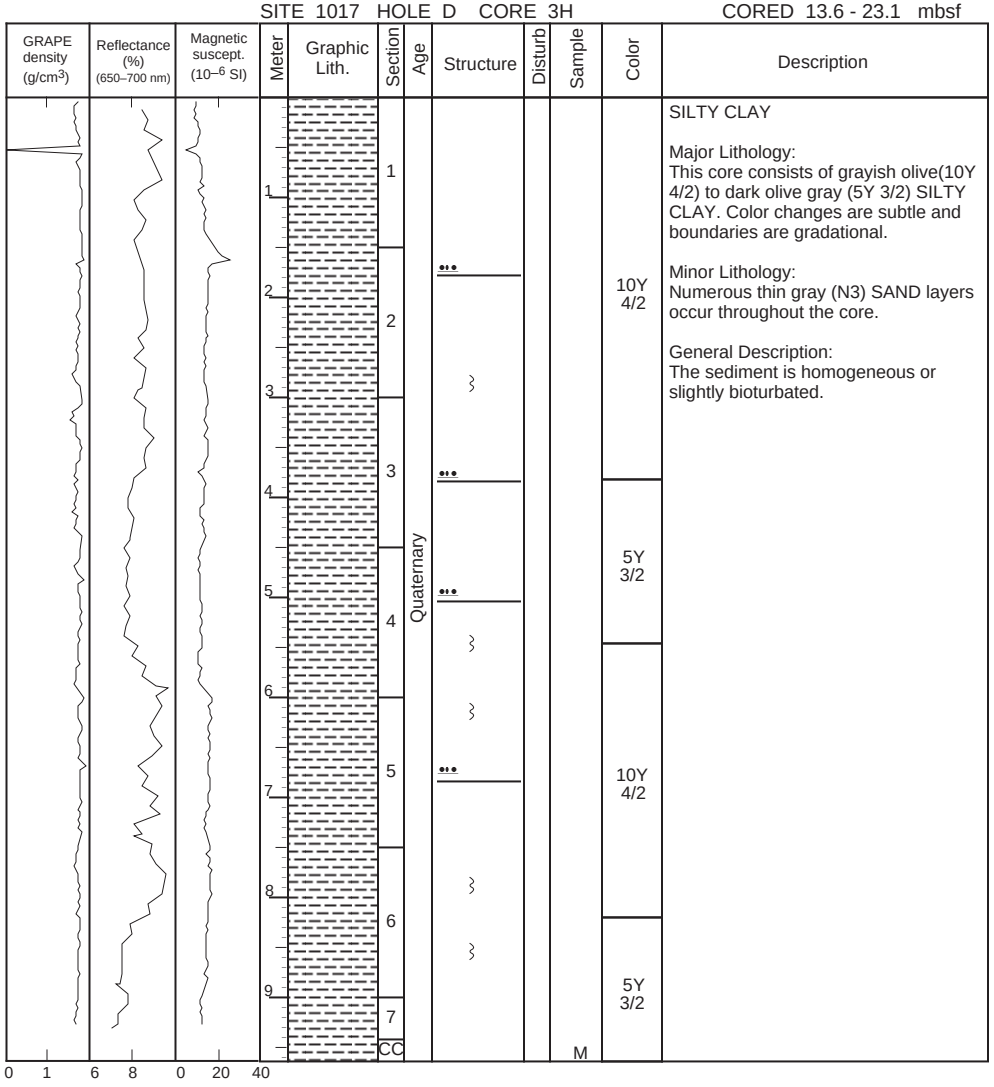
SILTY CLAY

Major Lithology:
This core consists of grayish olive (10Y 4/2) SILTY CLAY.

Minor Lithologies:
Numerous thin layers and pods of gray (N3) SAND occur throughout Sections 1-3.

General Description:
The sediment is homogeneous.

SITE 1017 HOLE D CORE 3H CORED 13.6 - 23.1 mbsf



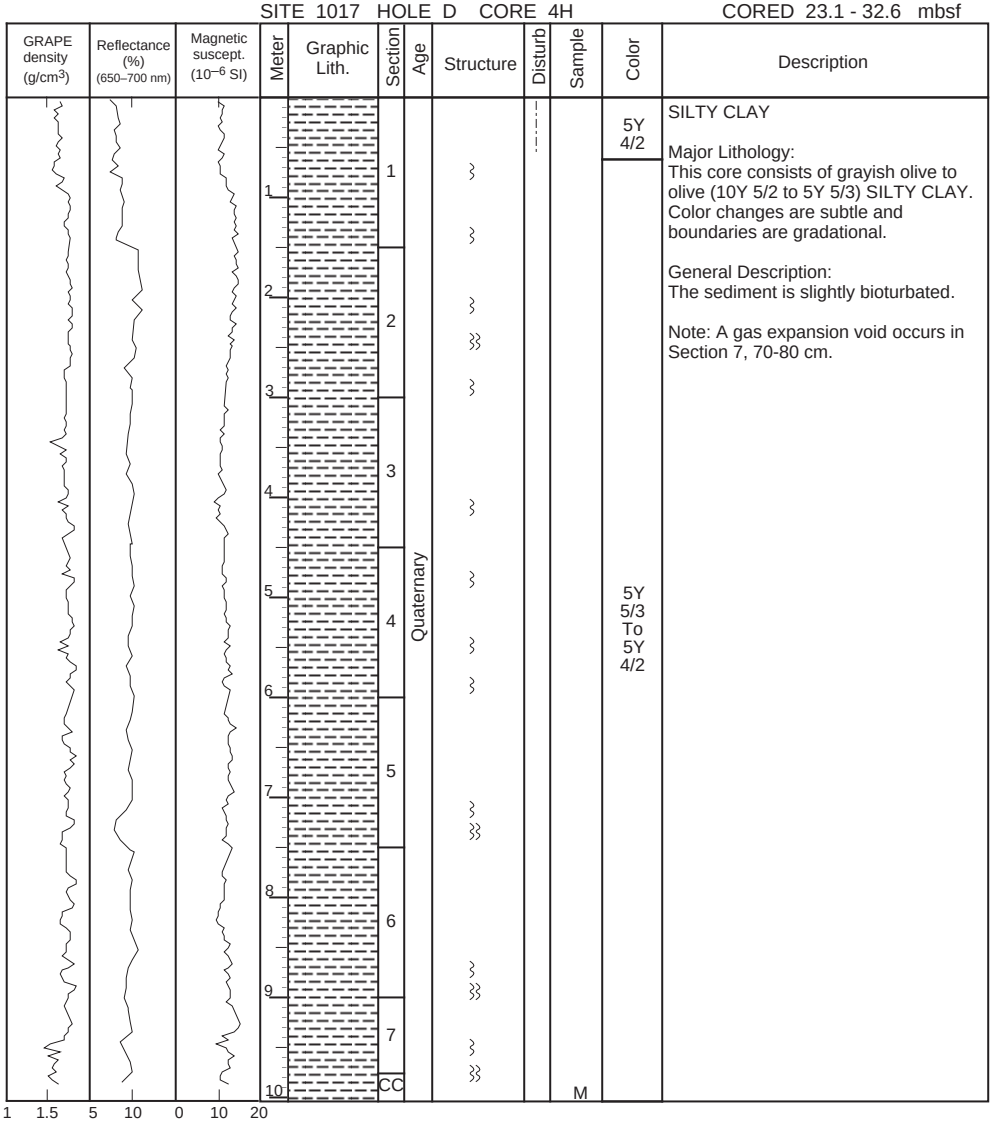
SILTY CLAY

Major Lithology:
This core consists of grayish olive(10Y 4/2) to dark olive gray (5Y 3/2) SILTY CLAY. Color changes are subtle and boundaries are gradational.

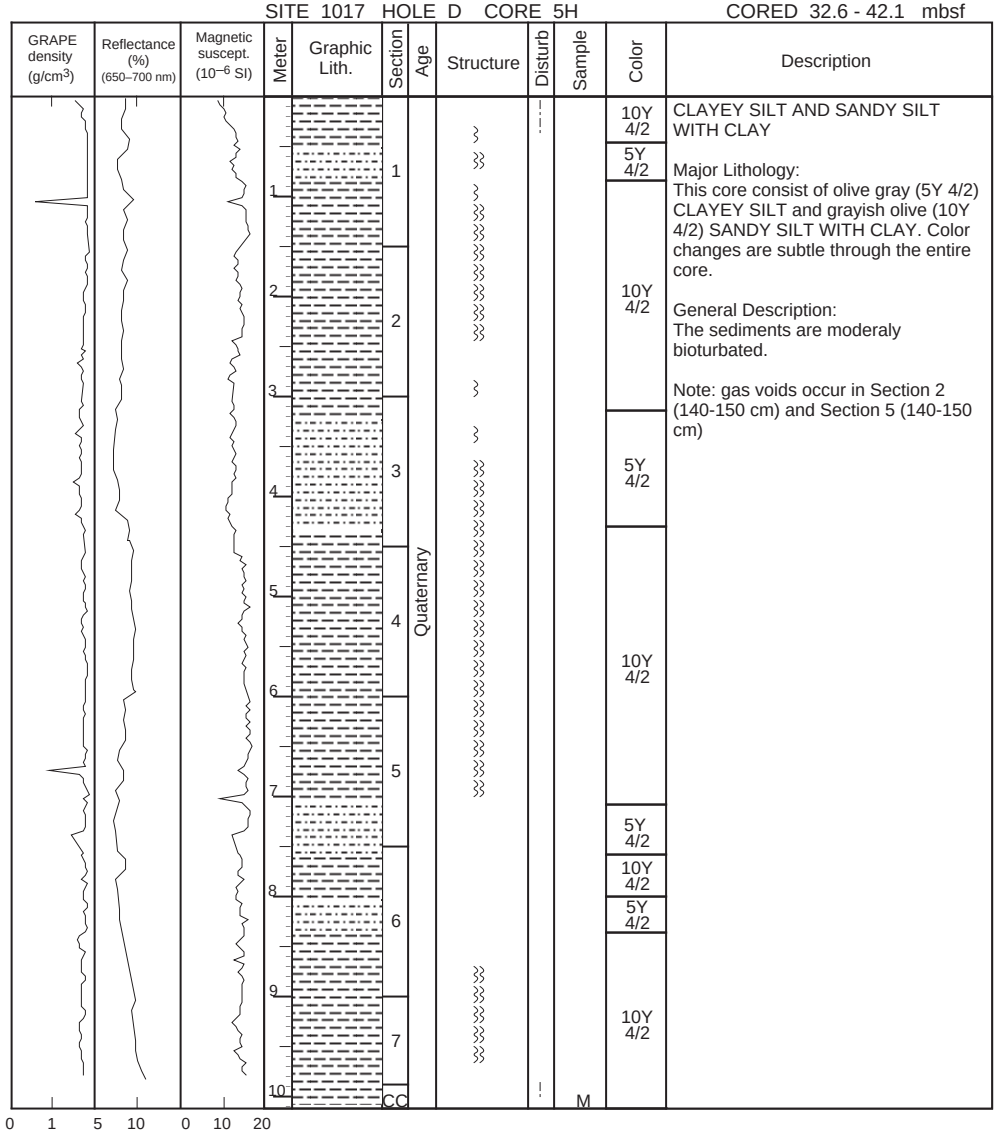
Minor Lithology:
Numerous thin gray (N3) SAND layers occur throughout the core.

General Description:
The sediment is homogeneous or slightly bioturbated.

SITE 1017 HOLE D CORE 4H CORED 23.1 - 32.6 mbsf



SITE 1017 HOLE D CORE 5H CORED 32.6 - 42.1 mbsf



CLAYEY SILT AND SANDY SILT WITH CLAY

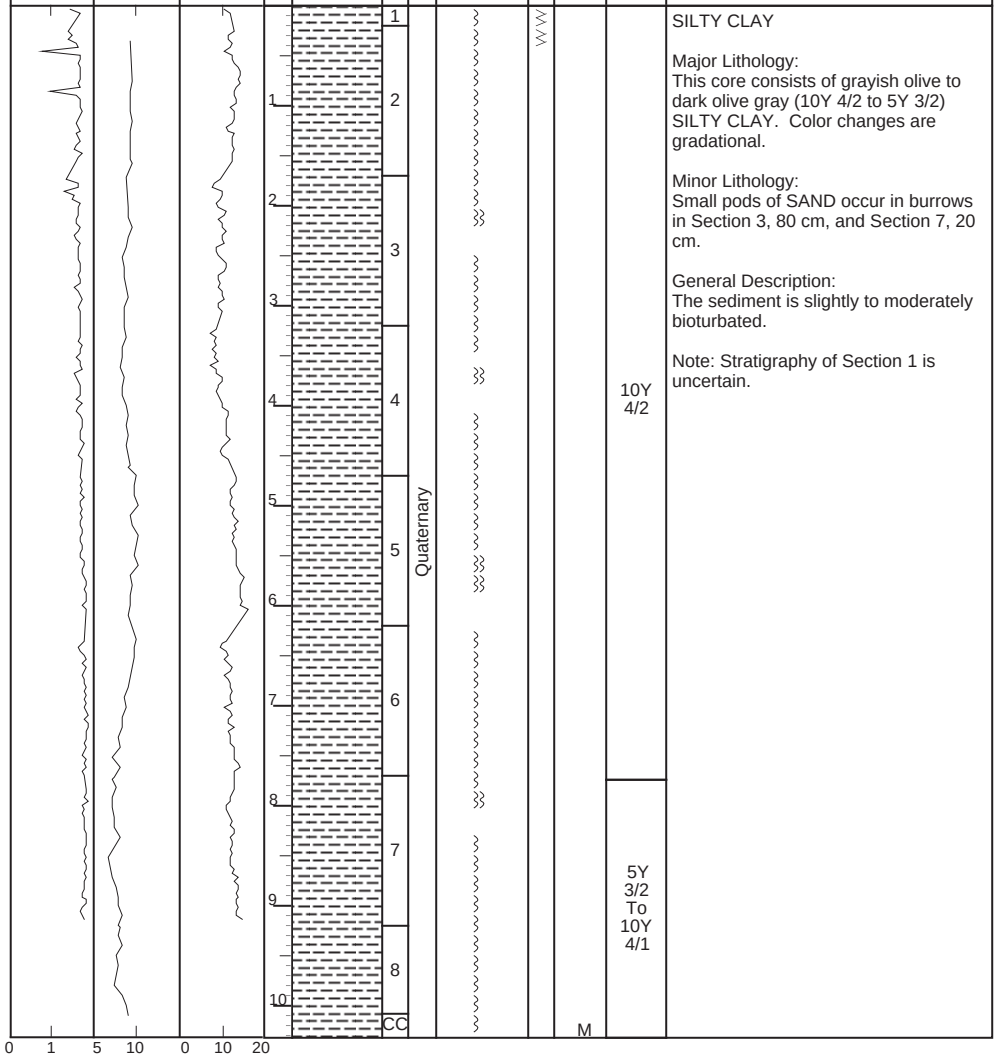
Major Lithology:
This core consist of olive gray (5Y 4/2) CLAYEY SILT and grayish olive (10Y 4/2) SANDY SILT WITH CLAY. Color changes are subtle through the entire core.

General Description:
The sediments are moderaly bioturbated.

Note: gas voids occur in Section 2 (140-150 cm) and Section 5 (140-150 cm)

SITE 1017

SITE 1017 HOLE D CORE 6H CORED 42.1 - 51.6 mbsf



SILTY CLAY

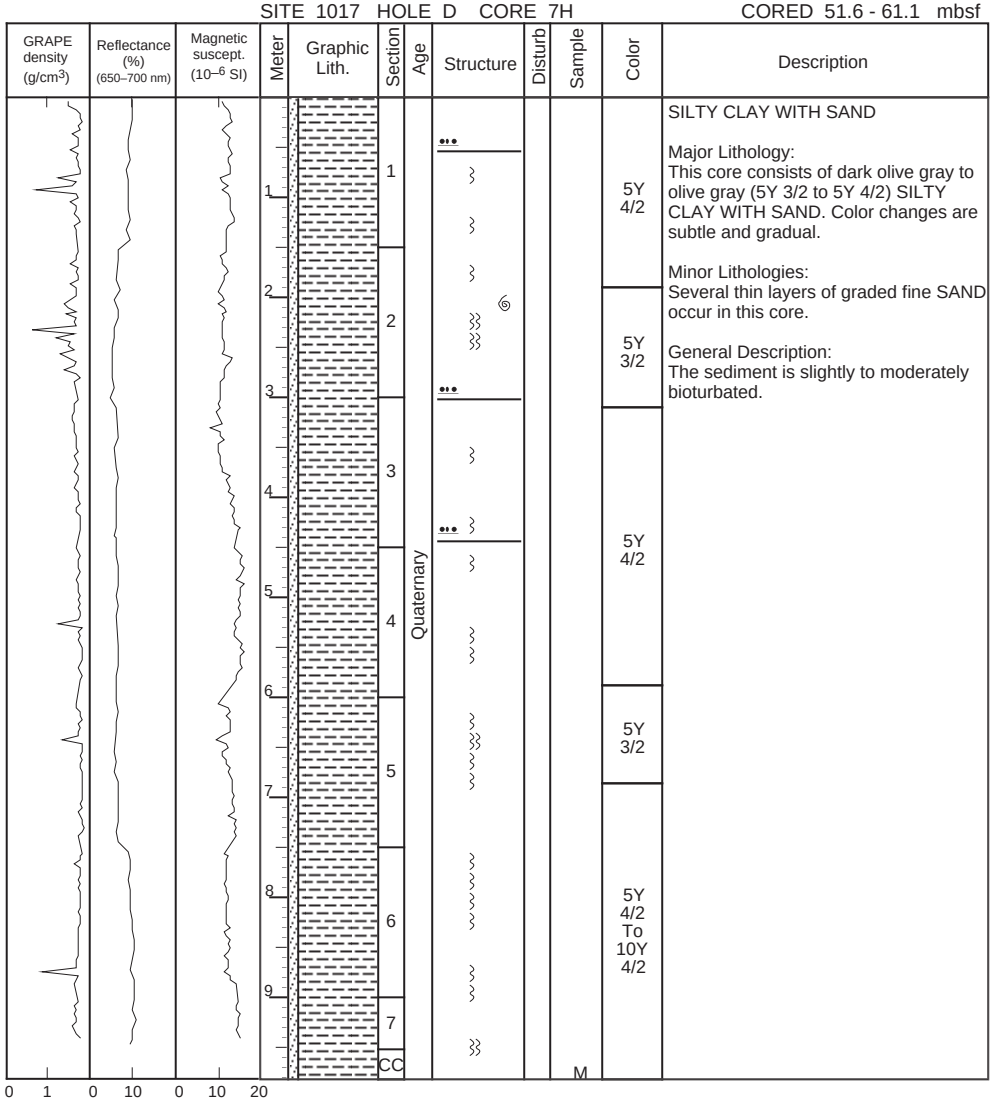
Major Lithology:
This core consists of grayish olive to dark olive gray (10Y 4/2 to 5Y 3/2) SILTY CLAY. Color changes are gradational.

Minor Lithology:
Small pods of SAND occur in burrows in Section 3, 80 cm, and Section 7, 20 cm.

General Description:
The sediment is slightly to moderately bioturbated.

Note: Stratigraphy of Section 1 is uncertain.

SITE 1017 HOLE D CORE 7H CORED 51.6 - 61.1 mbsf



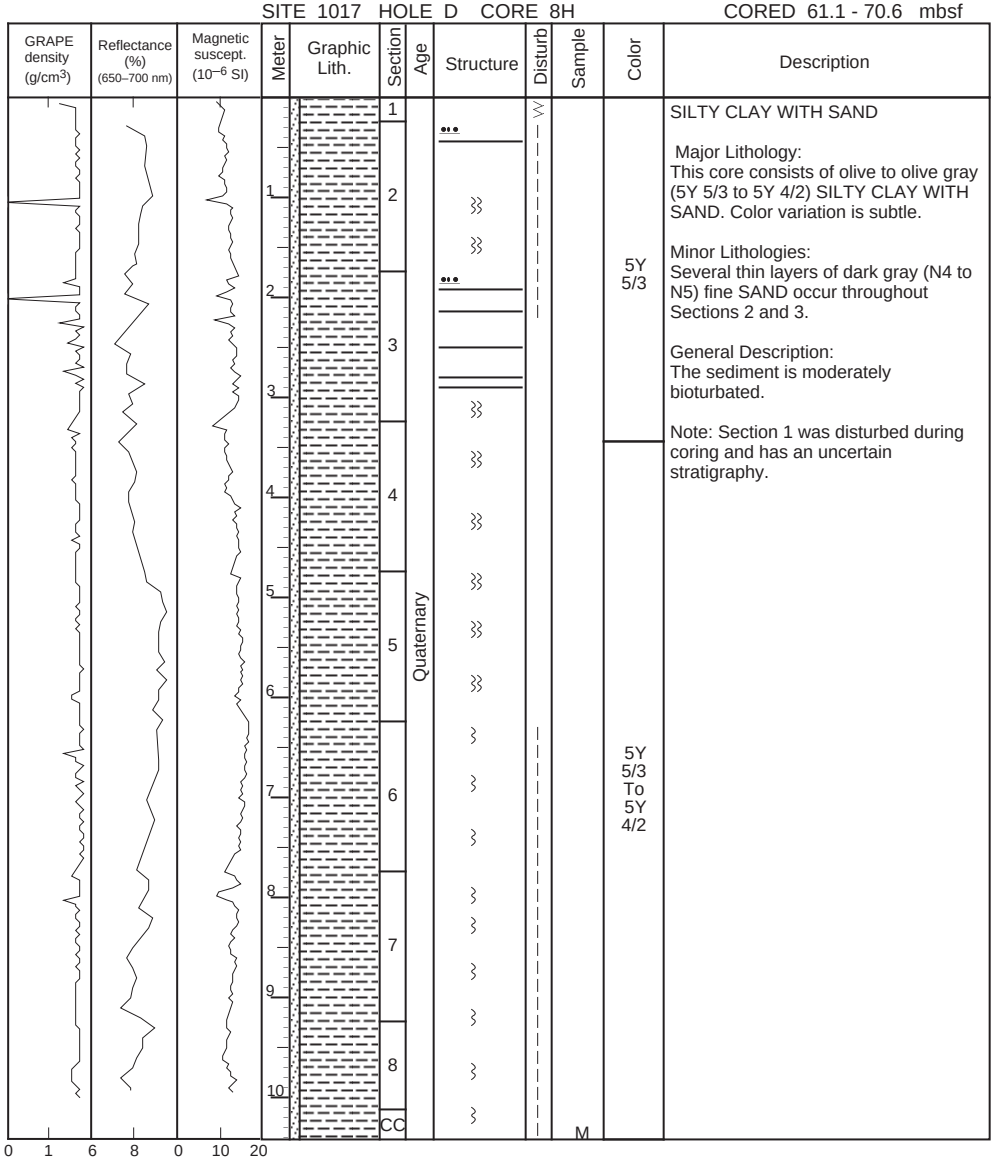
SILTY CLAY WITH SAND

Major Lithology:
This core consists of dark olive gray to olive gray (5Y 3/2 to 5Y 4/2) SILTY CLAY WITH SAND. Color changes are subtle and gradual.

Minor Lithologies:
Several thin layers of graded fine SAND occur in this core.

General Description:
The sediment is slightly to moderately bioturbated.

SITE 1017 HOLE D CORE 8H CORED 61.1 - 70.6 mbsf



SILTY CLAY WITH SAND

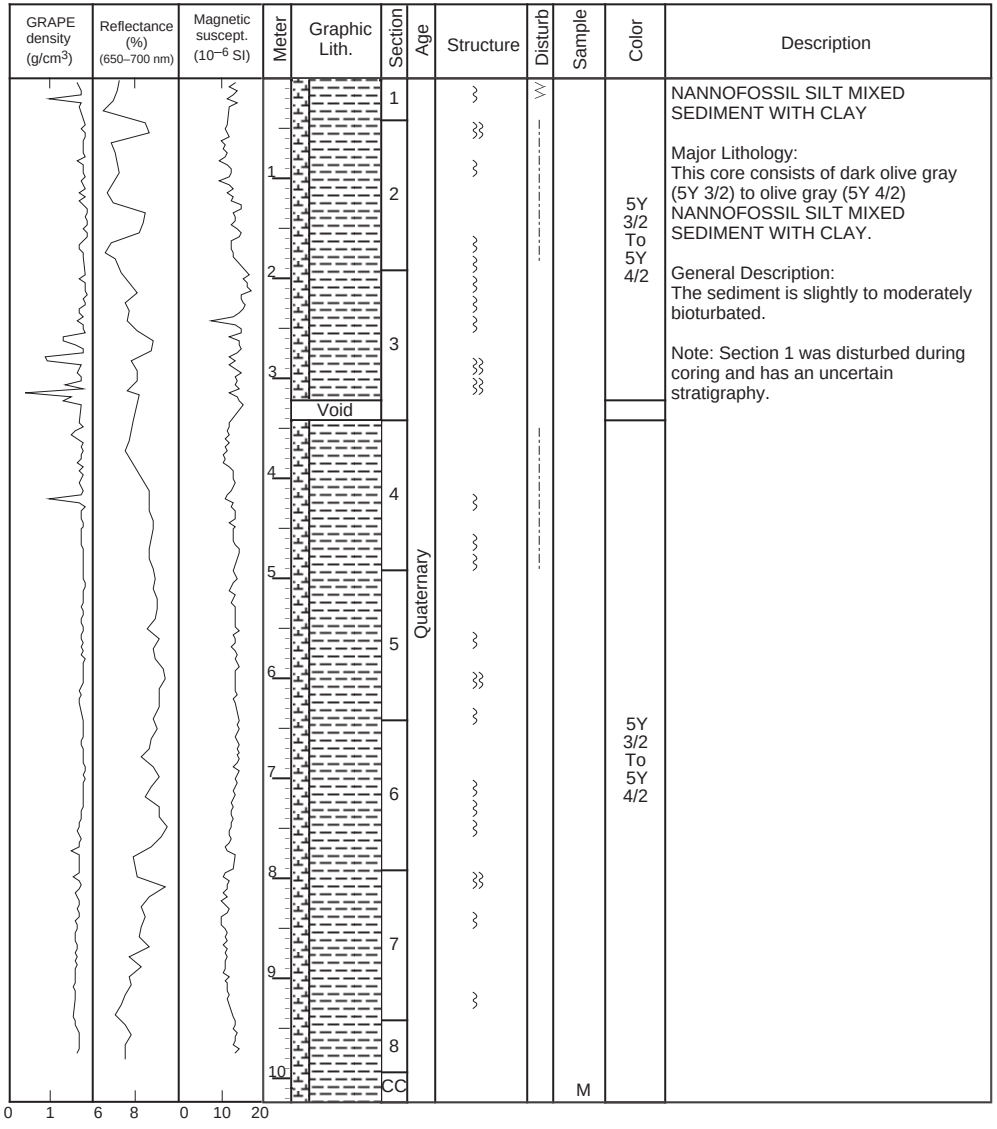
Major Lithology:
This core consists of olive to olive gray (5Y 5/3 to 5Y 4/2) SILTY CLAY WITH SAND. Color variation is subtle.

Minor Lithologies:
Several thin layers of dark gray (N4 to N5) fine SAND occur throughout Sections 2 and 3.

General Description:
The sediment is moderately bioturbated.

Note: Section 1 was disturbed during coring and has an uncertain stratigraphy.

SITE 1017 HOLE D CORE 9H CORED 70.6 - 80.1 mbsf



NANNOFOSSIL SILT MIXED SEDIMENT WITH CLAY

Major Lithology:
This core consists of dark olive gray (5Y 3/2) to olive gray (5Y 4/2) NANNOFOSSIL SILT MIXED SEDIMENT WITH CLAY.

General Description:
The sediment is slightly to moderately bioturbated.

Note: Section 1 was disturbed during coring and has an uncertain stratigraphy.

Color: 5Y 3/2 To 5Y 4/2

Color: 5Y 3/2 To 5Y 4/2

SITE 1017 HOLE D CORE 10X CORED 80.1 - 88.7 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC	Quaternary					NANNOFOSSIL SILT MIXED SEDIMENT WITH CLAY Major Lithology: This core consists of dark gray (5Y 4/1) NANNOFOSSIL SILT MIXED SEDIMENT WITH CLAY. General Description: Only CC recovered.

1017D-11X Entire core given to paleonologist.

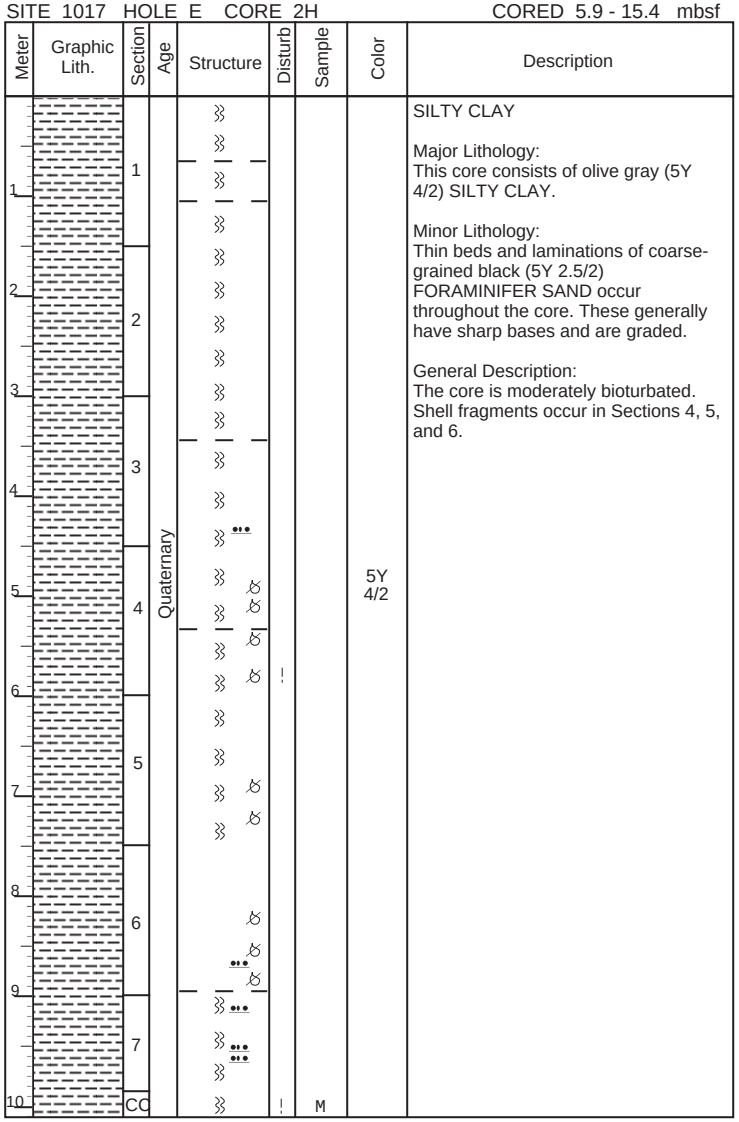
SITE 1017 HOLE D CORE 12X CORED 98.3 - 107.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
		CC	Quaternary					SANDY CLAYEY SILT Major Lithology: Thic core consists of very dark gray (5Y 3/1) SANDY CLAYEY SILT. General Description: Recovered 9 cm in CC.

SITE 1017 HOLE E CORE 1H CORED 0.0 - 5.9 mbsf

Meter	Graphic Lith.	Section	Age	Structure	Disturb	Sample	Color	Description
1–5		1	Quaternary				5Y 4/2	SILTY CLAY WITH FORAMINIFERS Major Lithology: This core consists of olive gray to very dark gray (5Y 4/2 to 5Y 3/1) SILTY CLAY WITH FORAMINIFERS. Minor Lithology: Numerous thin beds and laminations of graded, very dark gray (5Y 3/1) QUARTZ FELDSPAR SAND occur in Sections 3 and 4. General Description: The sediment is moderately bioturbated, and soupy near the top of Section 1.
		2					5Y 4/3	
		3					5Y 4/3 To 5Y 3/1	
		4					5Y 4/2	
		CC				M		

SITE 1017 HOLE E CORE 2H CORED 5.9 - 15.4 mbsf



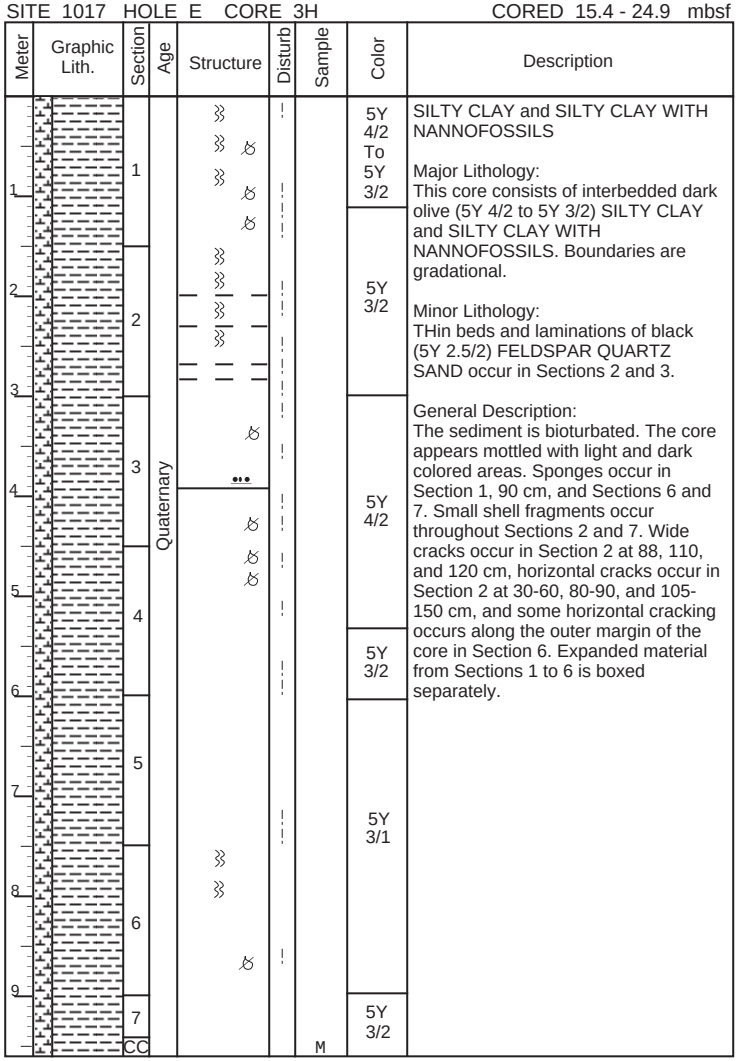
SILTY CLAY

Major Lithology:
This core consists of olive gray (5Y 4/2) SILTY CLAY.

Minor Lithology:
Thin beds and laminations of coarse-grained black (5Y 2.5/2) FORAMINIFER SAND occur throughout the core. These generally have sharp bases and are graded.

General Description:
The core is moderately bioturbated. Shell fragments occur in Sections 4, 5, and 6.

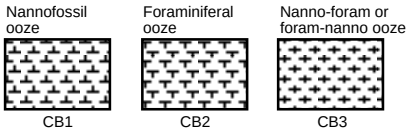
SITE 1017 HOLE E CORE 3H CORED 15.4 - 24.9 mbsf



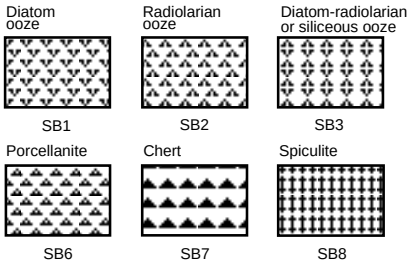
Key to symbols used in the “Graphic Lithology” column on the core description sheets.

Biogenic pelagic sediments

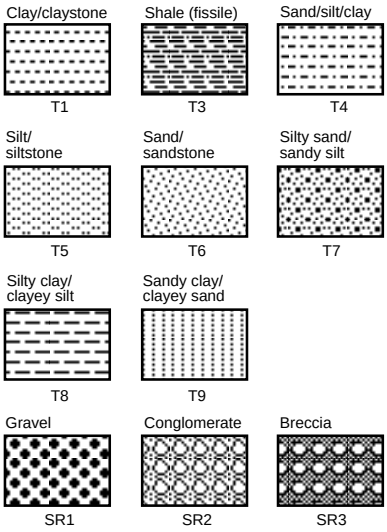
Calcareous



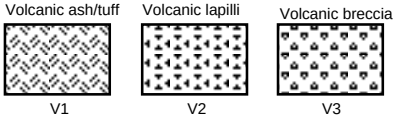
Siliceous



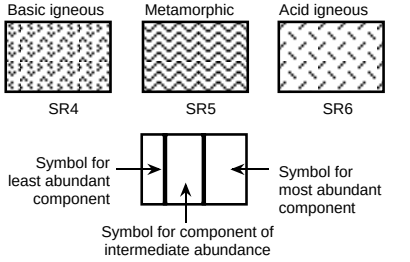
Siliciclastic sediments



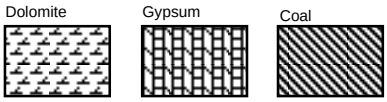
Volcaniclastic sediments



Special rock types

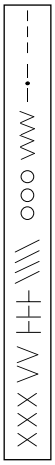


Chemical and other sediments



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

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 framents
- Fish debris

Sedimentary structures cont.

- Fining-upward sequence
- Interval over which primary sedimentary structure occur
- Planar laminae
- Wedge-planar laminae/beds
- Graded bedding (normal)
- Graded bedding (reversed)
- Sharp contact
- Gradational contact
- Scoured, sharp contact
- Scoured contact with graded bed
- 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
- Probable compaction fracture
- Microfault (normal)
- Microfault (thrust)
- Macrofault
- Fracture
- Totally fractured
- Vein structures
- Color mottles
- Dolomite nodule/concretion
- Disseminated dolomite
- Pyrite nodule/concretion
- Disseminated pyrite
- Glauconite
- Concretions/nodules
- Barite nodule/concretion
- Disseminated barite
- Calcite nodule/concretion
- Carbonate nodule/concretion
- Chert nodule/concretion
- Ash/pumice pods
- Ash layer

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