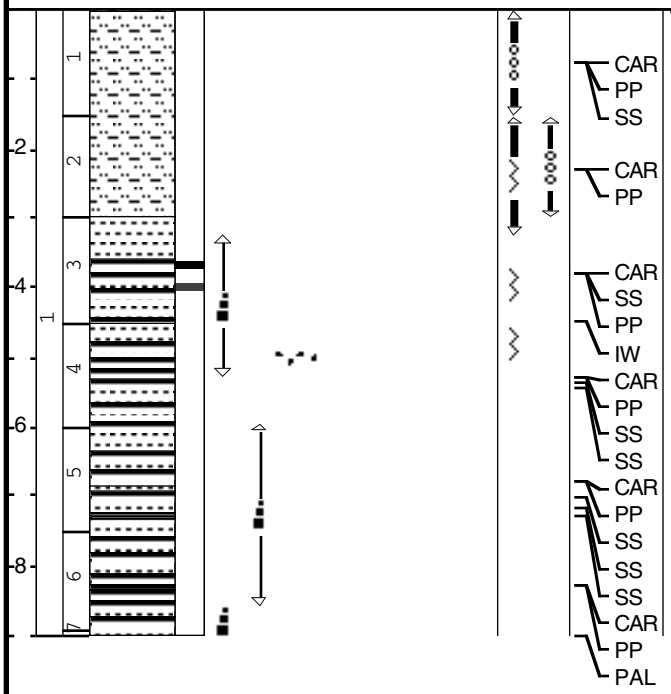
Core Photo

Core 1232A-1H (Cored interval: 0.0-9.0 mbsf)



CLAYEY SILT, CLAY, and SANDY SILT

The top two sections of this core are very disturbed, soupy dark gray clayey silt and clay. Many upward-fining sequences are noted throughout Sections 3 through 6 with sharp, sometimes deformed basal boundaries, grading upward from a fine sandy silt to a silty clay. The color of the sediment in the core is primarily dark and light gray with two intervals of greenish gray.

Section 3: The upward-fining sequence at ~62 cm has a disturbed and angled basal boundary. This also represents the contact between dark gray clayey silt above and greenish gray clay below. At approximately 110 cm, the color returns to dark gray and a rotated patch of sandy silt is present.

Section 4: The sediment in this section is dark gray clay with sandy silt upward-fining sequences. A patch of disturbed upward-fining sandy silt is present at 16-22 cm. Thin silty layers are present between 30-50 cm. Another thin layer is present at ~70 cm. The sharp contact at 80 cm is the boundary between the upper dark gray clay and greenish gray clay, which then grades to gray by the section bottom; there is a sharp contact with a <1 cm sandy silt layer at ~125 cm. At 134-140 cm there is a rotated sandy silt patch. The upward-fining sequence at the very base of the section has a distinct basal boundary and the color below is light gray.

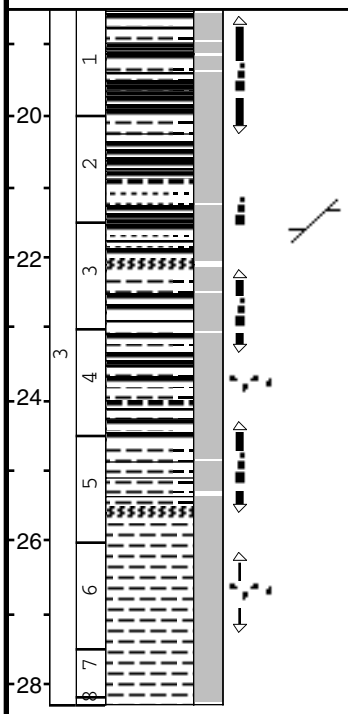
Section 5: Light gray clay grades to dark gray by ~30 cm. Below the basal contact of this upward-fining sequence, the clay becomes light gray, remaining so until ~80 cm except at the disturbed but sharp boundary with color changes of an upward fining sequence at ~60 cm. This disturbed boundary is sandy silt between 50 and 65 cm, but only present in half (lengthwise) of the core. A thin silty layer is present at 80 cm. The color is more green below this boundary and a sandy silt patch is present at 84 cm. A potential turbidite is present at ~135 cm and a rotated patch of sandy silt is present at 136-141.

Section 6: Clay grades from light gray to dark gray downcore between successive basal contacts of the upward-fining sequences. Below around 110 cm, the color of the sediment is gray. At around 80 cm, the contact has been rotated and the contact just below is a thin silty layer.

1232A-2H No Recovery

Core Photo

Site 1232A-3H (Cored interval: 18.5-27.0 mbsf)



DESCRIPTION

CLAY, SILTY CLAY, and SANDY SILT

This core contains light to dark gray silty clay with upward-fining units of sandy silt. These fine sand units generally have sharp basal contacts and are dark gray and grade to medium gray upcore.

Section 1: The top of the core is dark gray silty clay. Below the sharp basal contact at 7 cm, the color changes to light gray. Drilling mud is present at the base of the upward-fining sequence noted at ~50 cm. The following 4 contacts are thin silty layers and at 115 cm, there is a 1 cm upward-fining sequence. Minor biotubation is present from ~30 cm and downcore within the silty clay to clay layers.

Section 2: A bioturbated sandy silt patch is present at ~32 cm and another sandy silt patch at ~135 cm. The sediment is more silty above the bioturbated contact at ~90 cm and more clayey, slightly lighter in color, and shiny below this contact.

Section 3: Lighter gray sediment is present above the bioturbated contact with medium gray sediment below. Discrete bioturbated sandy silt patches are present at 72 and 86 cm.

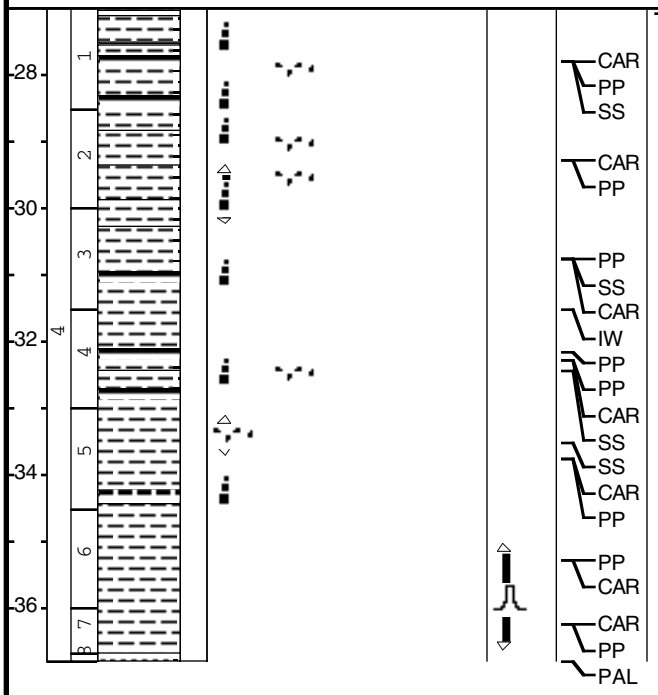
Section 4: Mottling is present in a lighter green gray color with a dark to medium gray background color. This grades downcore to darker gray. A greenish gray color is present between two upward-fining sequences at the base of the section (between 128 and 145 cm).

Section 5: A greenish gray color is present betweer the topmost upward-fining sequences at 38 and 59 cm. This grades downcore to a dark gray. Sandy silt patches with disturbed contacts are present between 90 and 110 cm. A sandy silt patch, likely bioturbated, also exists at ~126 cm.

Sections 6 & 7: These sections are comprised of dark gray silty clay with no noticable upward-fining sequences. Mild mottling of greenish gray with dark gray silty clay is present.

Core Photo

Core 1232A-4H (Cored interval: 27.0-36.5 mbsf)



DESCRIPTION

SILTY CLAY and SANDY SILT

Overall, this core contains silty light gray clay with intervals of dark gray upward-fining sandy silt with sharp basal contacts. Mottled sections are usually dark gray with green mottling.

Section 1: The top of the first section grades from medium gray to dark gray silty clay before changing to greenish gray mottled clay at an uncertain boundary at ~20 cm. At the second uncertain contact at ~40 cm, this color changes to dark gray clay. Greenish gray mottled silty clay is present below 70 cm and grades to dark gray at ~120 cm. Below the sharp boundary of this upward-fining sequence, medium gray grades to dark gray in another upward-fining sequence at the top of Section 2.

Section 2: Below the first upward-fining sequence is dark gray silty clay with greenish gray mottling. A sandy silt patch is present at ~60 cm. The section between ~80 and 110 cm is mottled in a similar fashion to the top section. The upward-fining sequence at the base of the section is dark gray at its bottom.

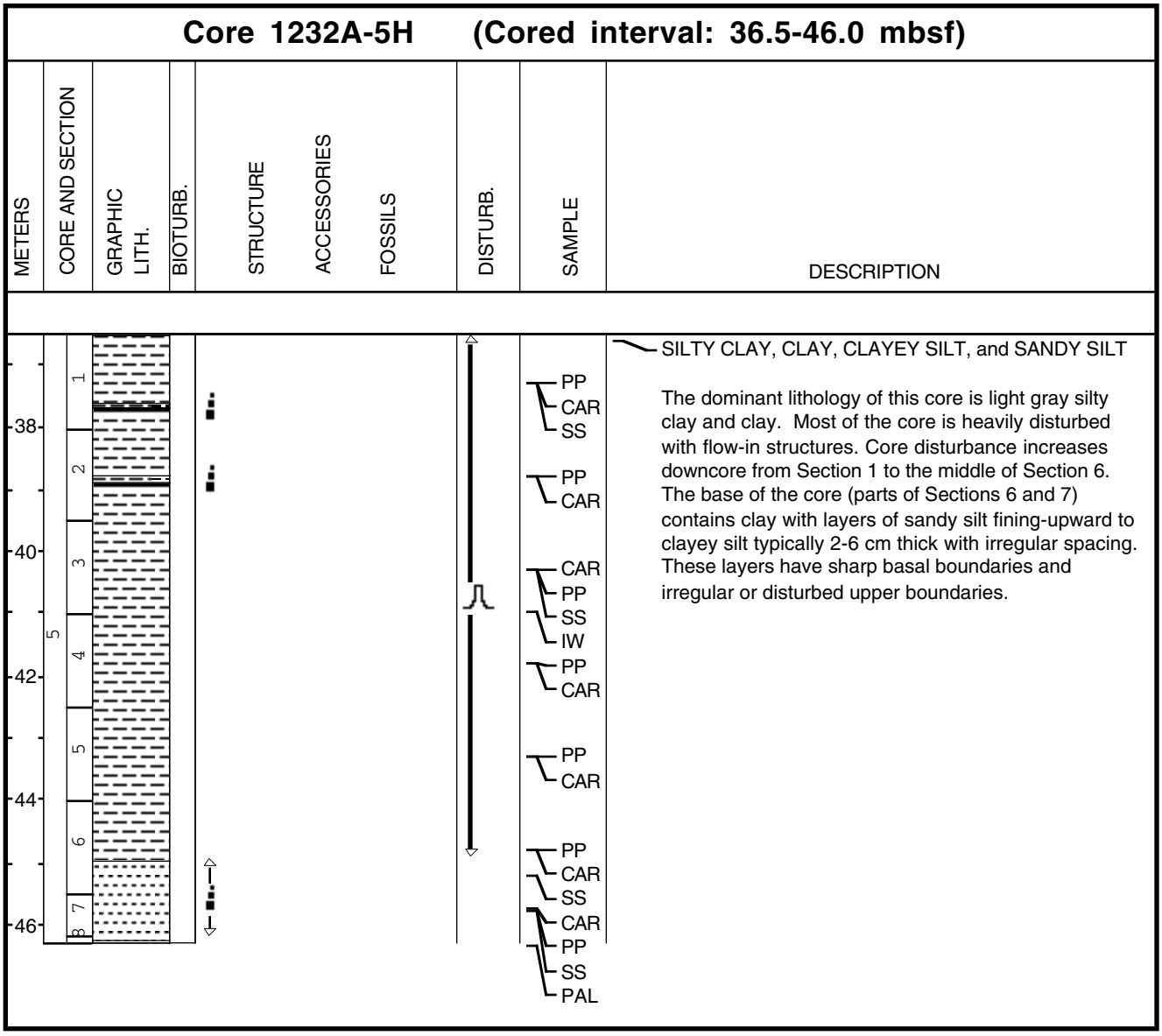
Section 3: A sandy silt patch is present at 10 cm. The bases of the upward-fining sequences are generally dark gray. A subtle mottling is present between ~20-65 cm and occasional sand patches exist between 35 and 50 cm.

Section 4: An irregular sandy silt body is present at ~10 cm and may be an effect of drilling disturbance. At approximately 50 cm, the sediment is dark greenish gray silty clay and a small, disturbed upward-fining sequence may be present. A similar sequence is present at ~90 cm, below which the sediment becomes dark gray with greenish gray mottling. Subtle greenish gray mottling is present until the irregular contact at 10 cm into Section 5.

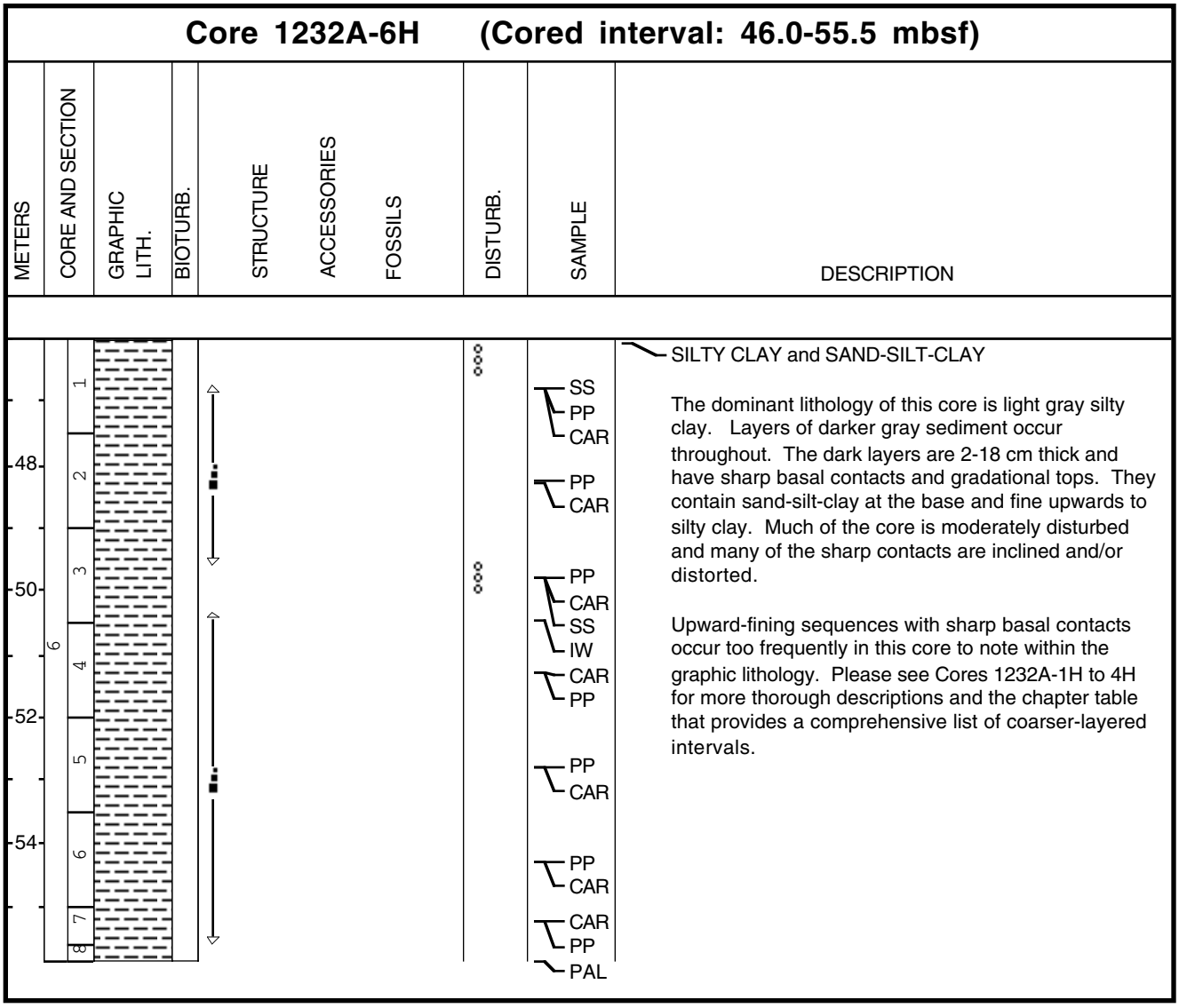
Section 5: Below the irregular contact is lighter greenish gray and grayish green with some bright green mottles. An irregular and sandy silty contact is present at ~70 cm, below which light green sediment is present. The remainder of the section is dark gray with occasional greenish gray mottles between the sandy silt layers.

Sections 6 & 7: Sandy silt patches are present in the first 14 cm of Section 6 and the sediment is gray, mottled with lighter gray silty clay. A slightly disturbed upward-fining sequence is present at ~45 cm, below which flow-in and occasional sandy silt patches are scattered throughout.

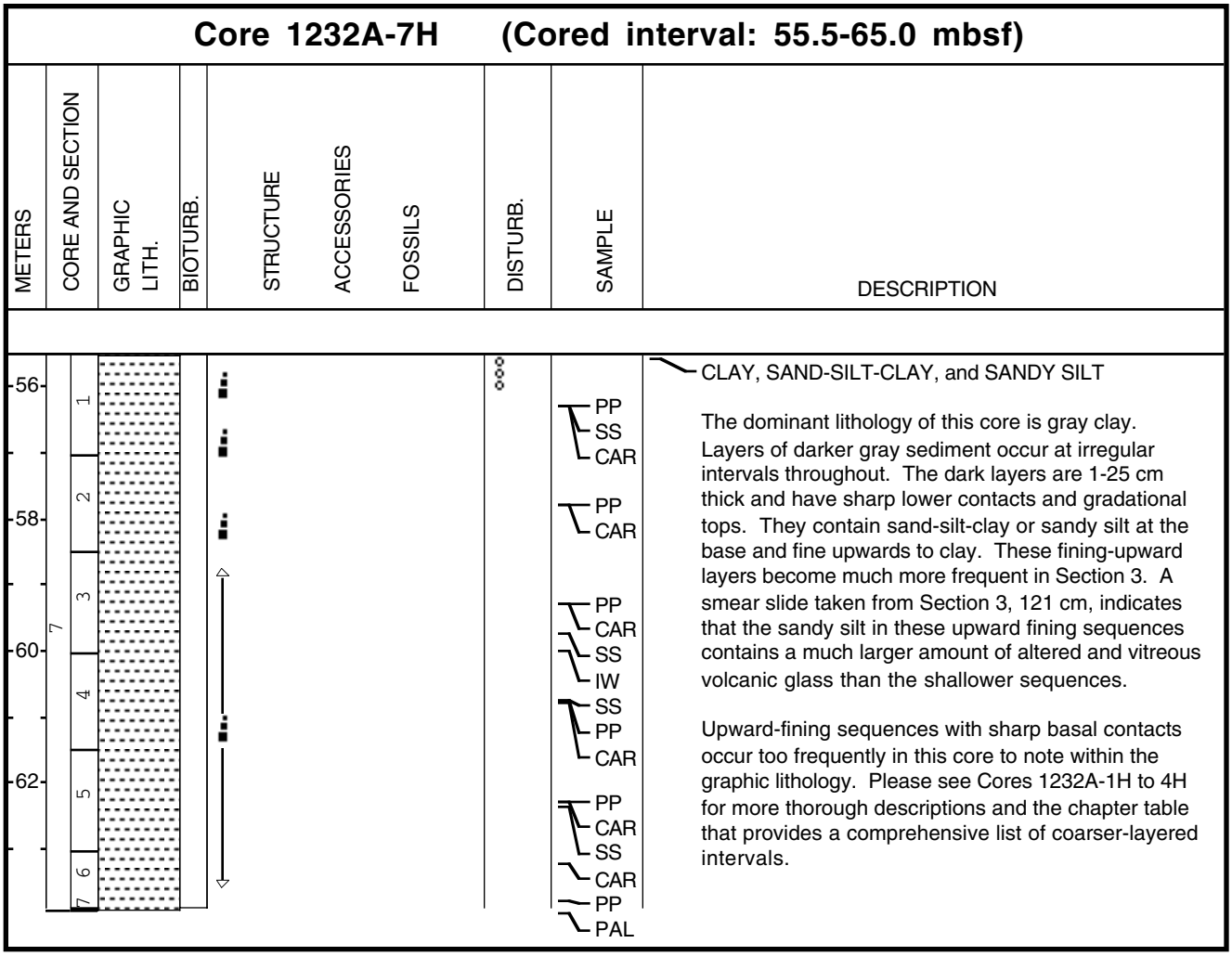
Core Photo


Core 1232A-5H (Cored interval: 36.5-46.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
38
40
42
44
46
5
1
2
3
4
5
6
7
CC
PP
CAR
SS
PP
CAR
CAR
PP
SS
IW
PP
CAR
PP
CAR
PP
CAR
SS
CAR
PP
SS
PAL
SILTY CLAY, CLAY, CLAYEY SILT, and SANDY SILT
The dominant lithology of this core is light gray silty clay and clay. Most of the core is heavily disturbed with flow-in structures. Core disturbance increases downcore from Section 1 to the middle of Section 6. The base of the core (parts of Sections 6 and 7) contains clay with layers of sandy silt fining-upward to clayey silt typically 2-6 cm thick with irregular spacing. These layers have sharp basal boundaries and irregular or disturbed upper boundaries.

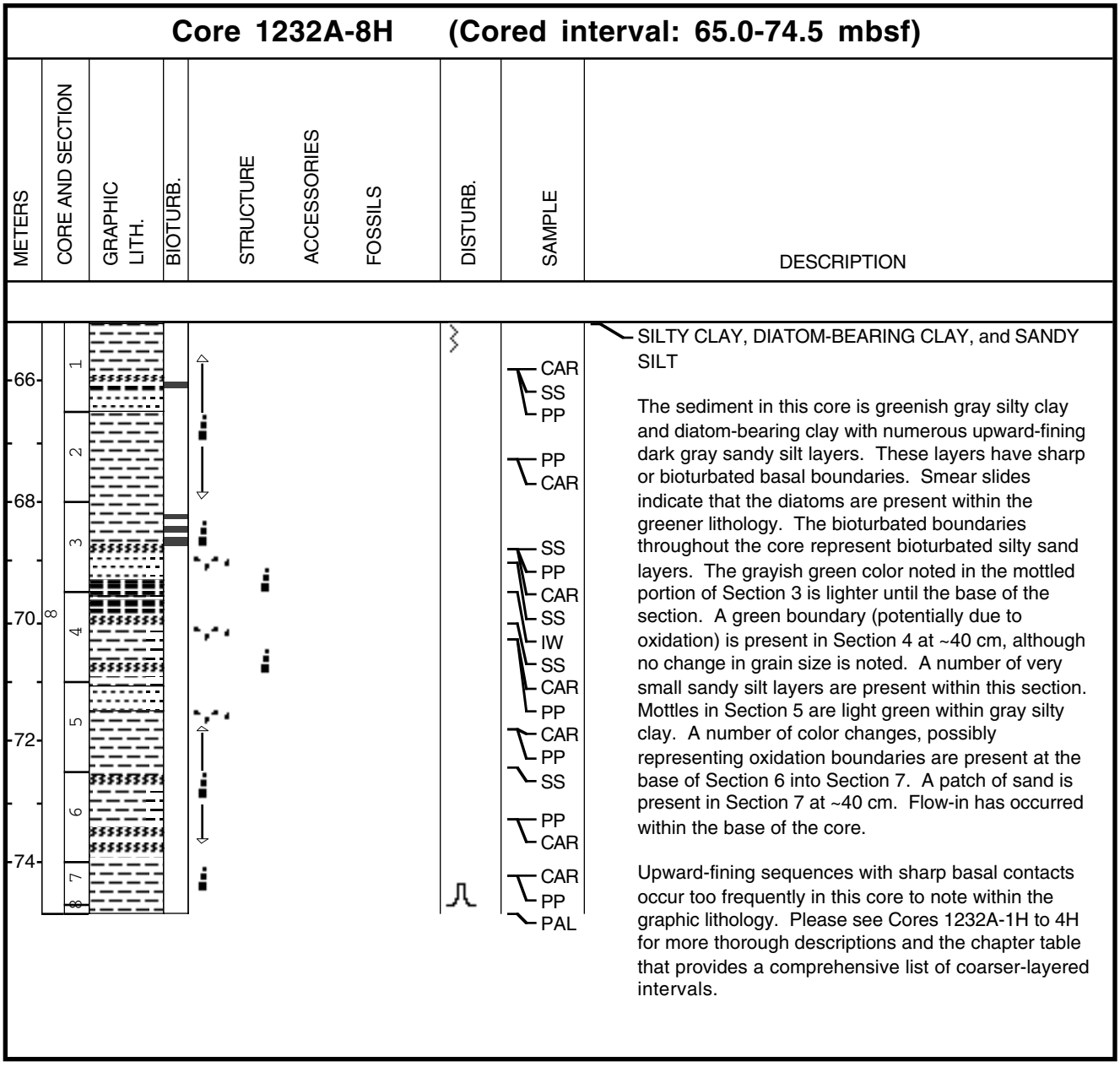
Core Photo


Core 1232A-6H (Cored interval: 46.0-55.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
48
50
52
54
6
1
2
3
4
5
6
7
8
SS
PP
CAR
PP
CAR
PP
CAR
SS
IW
CAR
PP
PP
CAR
PP
CAR
CAR
PP
PAL
SILTY CLAY and SAND-SILT-CLAY
The dominant lithology of this core is light gray silty clay. Layers of darker gray sediment occur throughout. The dark layers are 2-18 cm thick and have sharp basal contacts and gradational tops. They contain sand-silt-clay at the base and fine upwards to silty clay. Much of the core is moderately disturbed and many of the sharp contacts are inclined and/or distorted.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

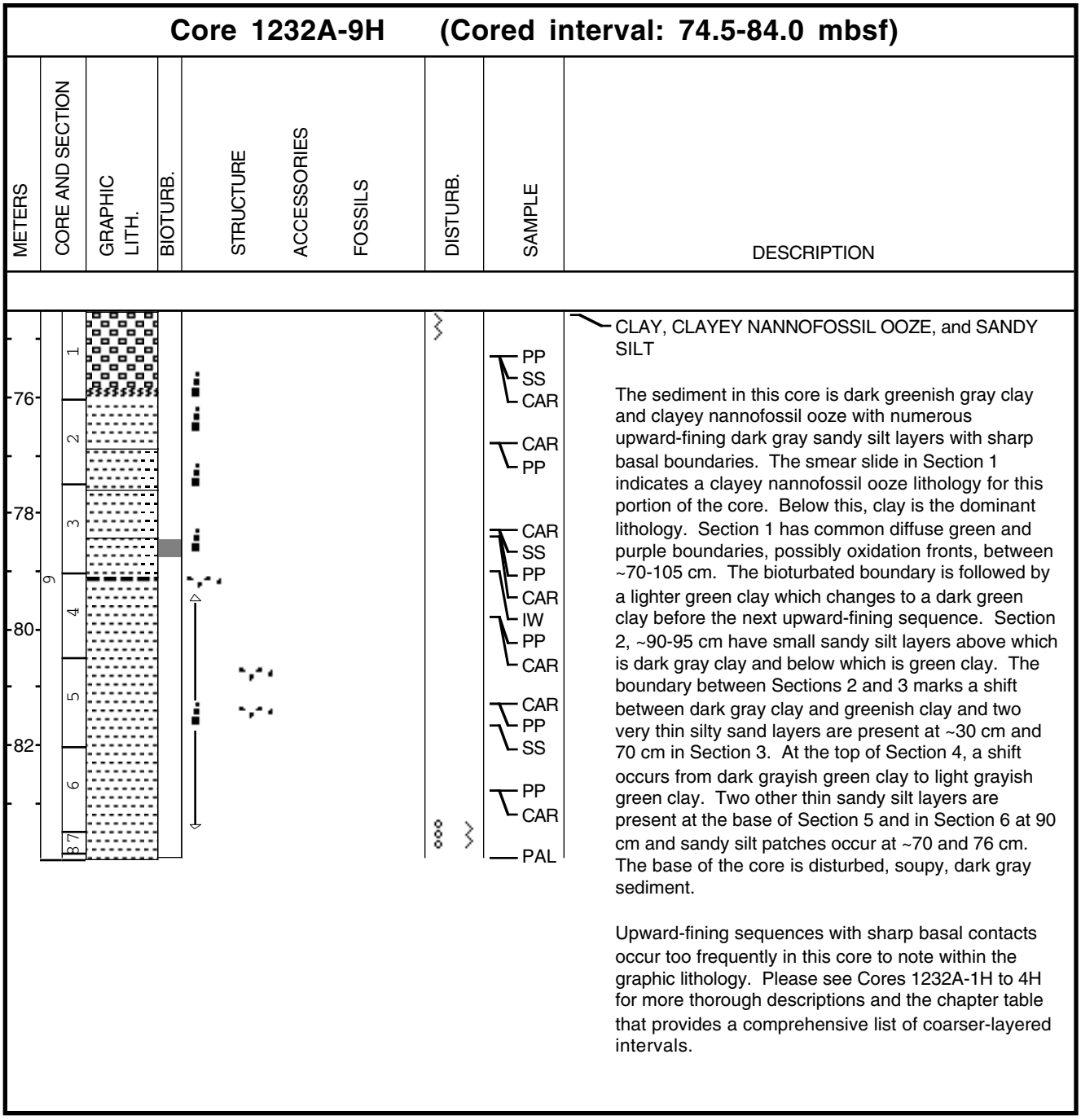
Core Photo


Core 1232A-7H (Cored interval: 55.5-65.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
56
58
60
62
7
1
2
3
4
5
6
7
PP
SS
CAR
PP
CAR
PP
CAR
SS
IW
SS
PP
CAR
PP
CAR
SS
CAR
PP
PAL
CLAY, SAND-SILT-CLAY, and SANDY SILT
The dominant lithology of this core is gray clay. Layers of darker gray sediment occur at irregular intervals throughout. The dark layers are 1-25 cm thick and have sharp lower contacts and gradational tops. They contain sand-silt-clay or sandy silt at the base and fine upwards to clay. These fining-upward layers become much more frequent in Section 3. A smear slide taken from Section 3, 121 cm, indicates that the sandy silt in these upward fining sequences contains a much larger amount of altered and vitreous volcanic glass than the shallower sequences.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

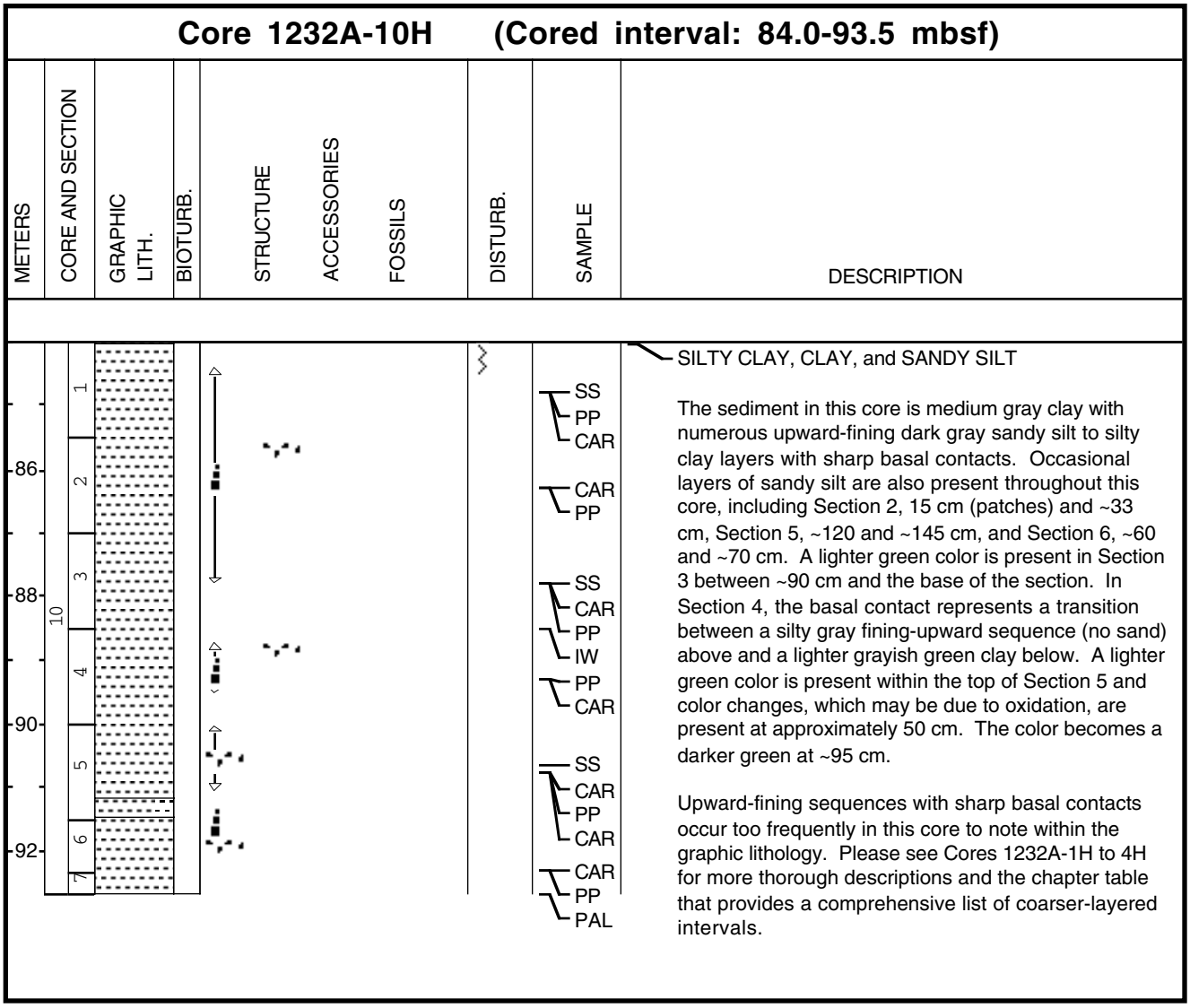
Core Photo


Core 1232A-8H (Cored interval: 65.0-74.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
66
68
70
72
74
8
1
2
3
4
5
6
7
CAR
SS
PP
PP
CAR
SS
PP
CAR
SS
IW
SS
CAR
PP
CAR
PP
SS
PP
CAR
CAR
PP
PAL
SILTY CLAY, DIATOM-BEARING CLAY, and SANDY SILT
The sediment in this core is greenish gray silty clay and diatom-bearing clay with numerous upward-fining dark gray sandy silt layers. These layers have sharp or bioturbated basal boundaries. Smear slides indicate that the diatoms are present within the greener lithology. The bioturbated boundaries throughout the core represent bioturbated silty sand layers. The grayish green color noted in the mottled portion of Section 3 is lighter until the base of the section. A green boundary (potentially due to oxidation) is present in Section 4 at ~40 cm, although no change in grain size is noted. A number of very small sandy silt layers are present within this section. Mottles in Section 5 are light green within gray silty clay. A number of color changes, possibly representing oxidation boundaries are present at the base of Section 6 into Section 7. A patch of sand is present in Section 7 at ~40 cm. Flow-in has occurred within the base of the core.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

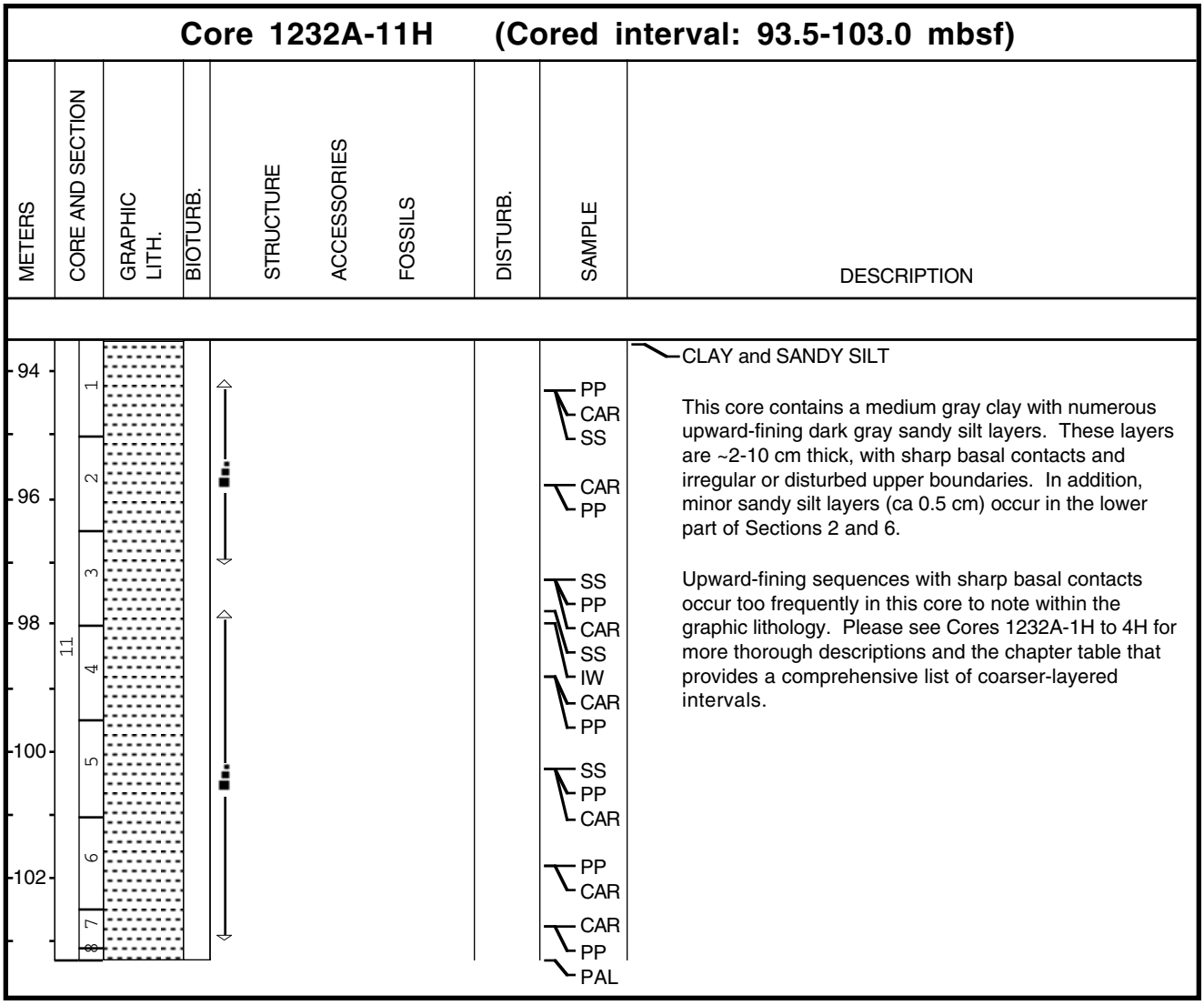
Core Photo


Core 1232A-9H (Cored interval: 74.5-84.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
76
78
80
82
9
1
2
3
4
5
6
7
PP
SS
CAR
CAR
PP
CAR
SS
PP
CAR
IW
PP
CAR
CAR
PP
SS
PP
CAR
PAL
CLAY, CLAYEY NANNOFOSSIL OOZE, and SANDY SILT
The sediment in this core is dark greenish gray clay and clayey nannofossil ooze with numerous upward-fining dark gray sandy silt layers with sharp basal boundaries. The smear slide in Section 1 indicates a clayey nannofossil ooze lithology for this portion of the core. Below this, clay is the dominant lithology. Section 1 has common diffuse green and purple boundaries, possibly oxidation fronts, between ~70-105 cm. The bioturbated boundary is followed by a lighter green clay which changes to a dark green clay before the next upward-fining sequence. Section 2, ~90-95 cm have small sandy silt layers above which is dark gray clay and below which is green clay. The boundary between Sections 2 and 3 marks a shift between dark gray clay and greenish clay and two very thin silty sand layers are present at ~30 cm and 70 cm in Section 3. At the top of Section 4, a shift occurs from dark grayish green clay to light grayish green clay. Two other thin sandy silt layers are present at the base of Section 5 and in Section 6 at 90 cm and sandy silt patches occur at ~70 and 76 cm. The base of the core is disturbed, soupy, dark gray sediment.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

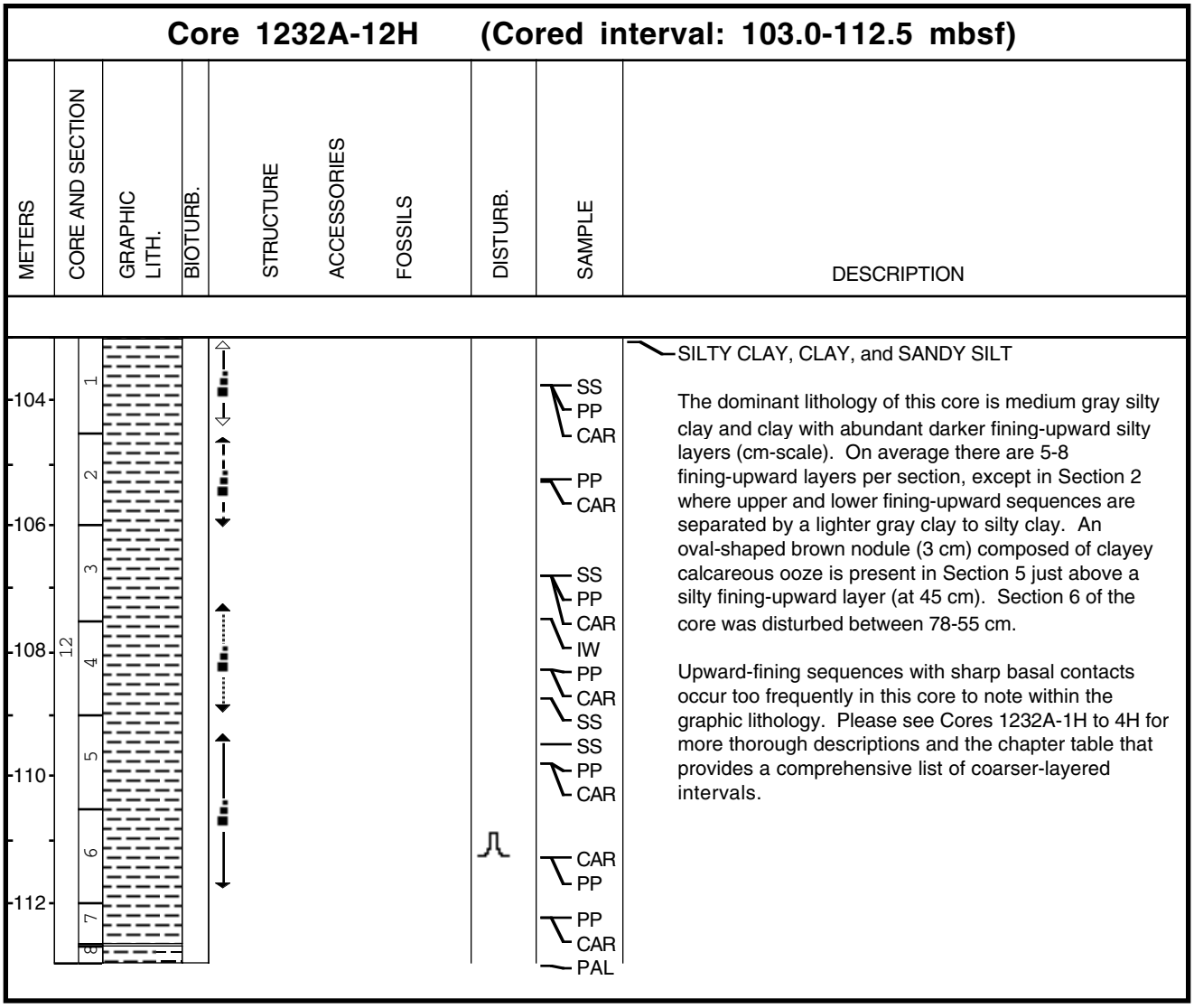
Core Photo


Core 1232A-10H (Cored interval: 84.0-93.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
86
88
90
92
10
1
2
3
4
5
6
7
SS
PP
CAR
CAR
PP
SS
CAR
PP
IW
PP
CAR
SS
CAR
PP
CAR
CAR
PP
PAL
SILTY CLAY, CLAY, and SANDY SILT
The sediment in this core is medium gray clay with numerous upward-fining dark gray sandy silt to silty clay layers with sharp basal contacts. Occasional layers of sandy silt are also present throughout this core, including Section 2, 15 cm (patches) and ~33 cm, Section 5, ~120 and ~145 cm, and Section 6, ~60 and ~70 cm. A lighter green color is present in Section 3 between ~90 cm and the base of the section. In Section 4, the basal contact represents a transition between a silty gray fining-upward sequence (no sand) above and a lighter grayish green clay below. A lighter green color is present within the top of Section 5 and color changes, which may be due to oxidation, are present at approximately 50 cm. The color becomes a darker green at ~95 cm.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

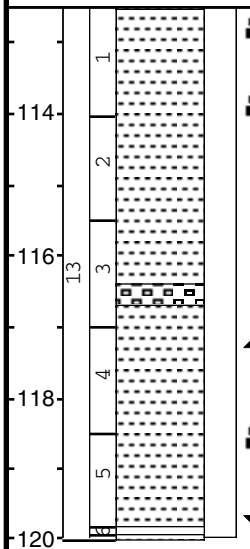

Core 1232A-11H (Cored interval: 93.5-103.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
94
96
98
100
102
11
1
2
3
4
5
6
7
8
PP
CAR
SS
CAR
PP
SS
PP
CAR
SS
IW
CAR
PP
SS
PP
CAR
PP
CAR
CAR
PP
PAL
CLAY and SANDY SILT
This core contains a medium gray clay with numerous upward-fining dark gray sandy silt layers. These layers are ~2-10 cm thick, with sharp basal contacts and irregular or disturbed upper boundaries. In addition, minor sandy silt layers (ca 0.5 cm) occur in the lower part of Sections 2 and 6.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo


Core 1232A-12H (Cored interval: 103.0-112.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
104
106
108
110
112
12
1
2
3
4
5
6
7
8
SS
PP
CAR
PP
CAR
SS
PP
CAR
IW
PP
CAR
SS
SS
PP
CAR
CAR
PP
PP
CAR
PAL
SILTY CLAY, CLAY, and SANDY SILT
The dominant lithology of this core is medium gray silty clay and clay with abundant darker fining-upward silty layers (cm-scale). On average there are 5-8 fining-upward layers per section, except in Section 2 where upper and lower fining-upward sequences are separated by a lighter gray clay to silty clay. An oval-shaped brown nodule (3 cm) composed of clayey calcareous ooze is present in Section 5 just above a silty fining-upward layer (at 45 cm). Section 6 of the core was disturbed between 78-55 cm.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

Core 1232A-13X (Cored interval: 112.5-121.3 mbsf)

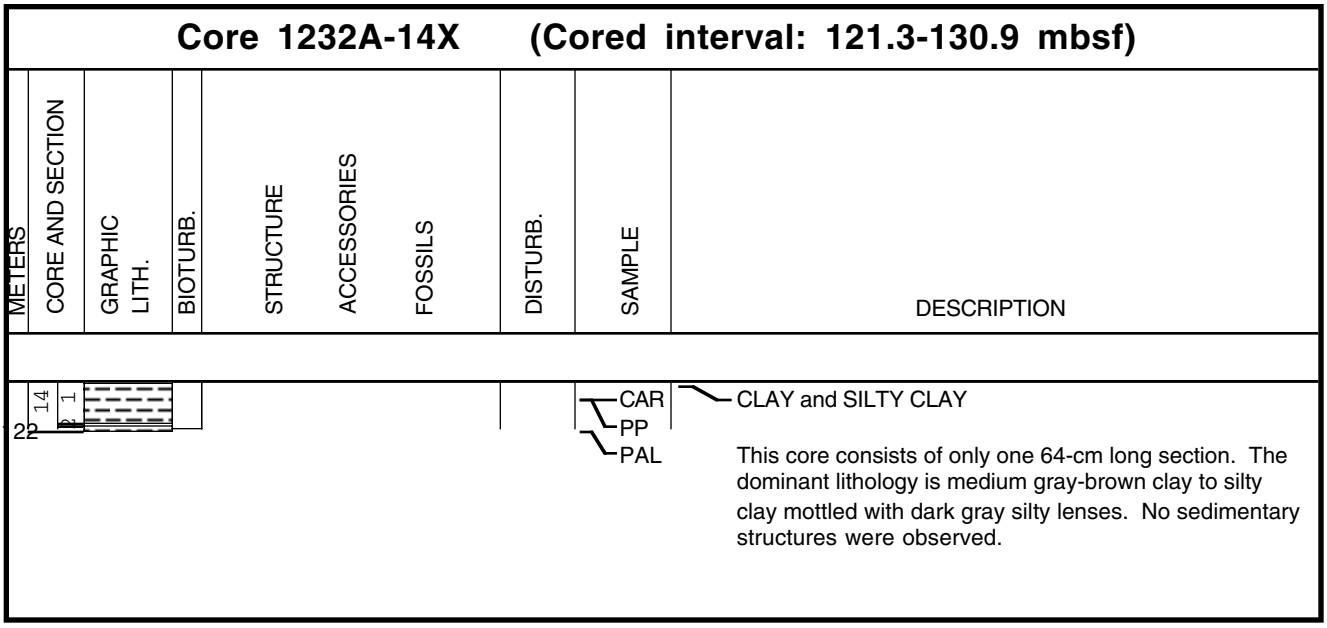


CLAY, CLAYEY NANNOFOSSIL OOZE, and SANDY SILT

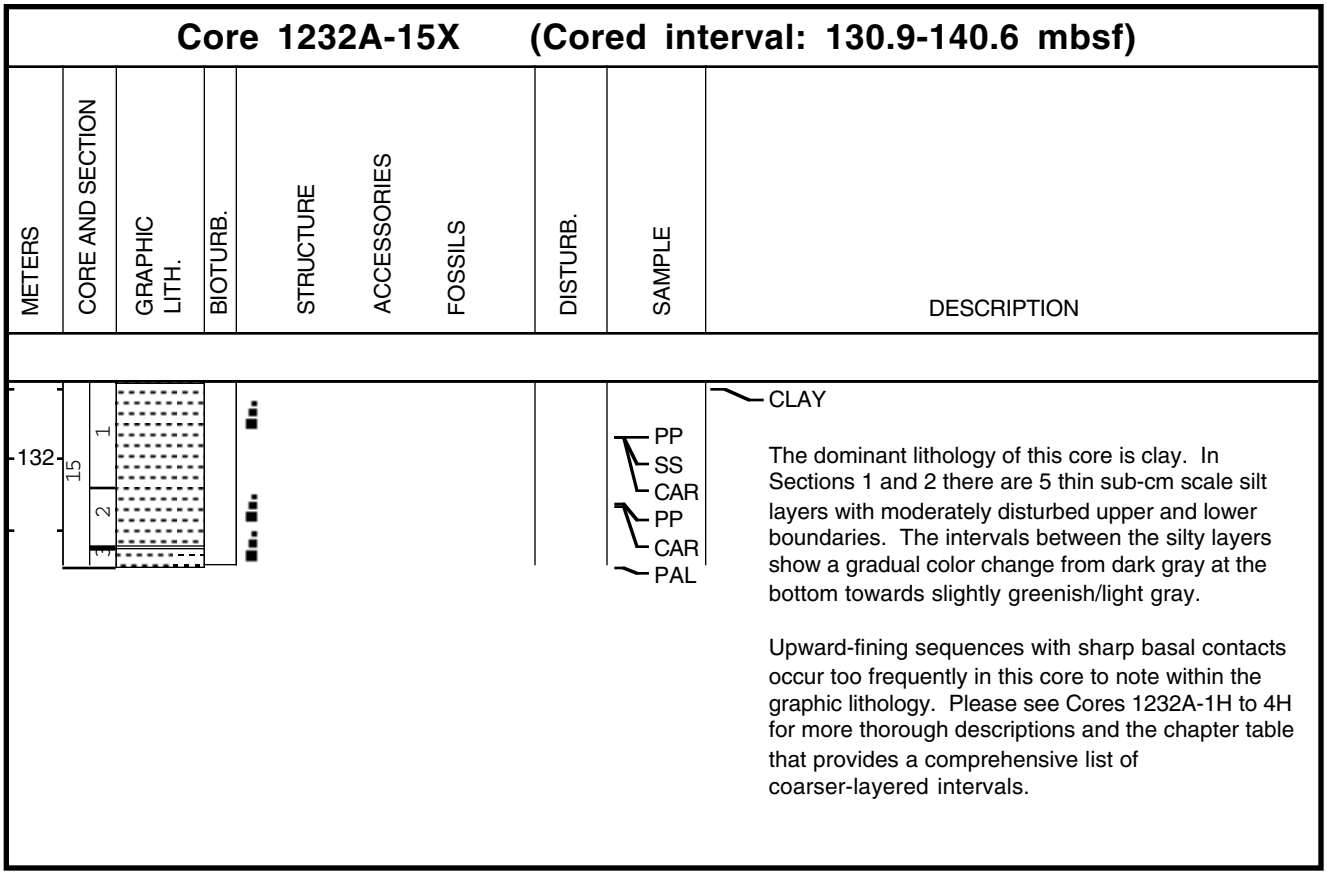
The dominant lithology of this core is medium gray to slightly greenish clay with darker fining-upward sandy silt layers (cm-scale). These layers are moderately abundant throughout Section 1 and the upper portion of Section 2 (2-5 per section) and become more frequent in Sections 4 and 5 (6-9 per section). These layers generally have sharp lower contacts which are, in Sections 4 and 5, more often disturbed. The lower parts of Sections 2 and 3 are characterized by more homogeneous clay with no fining-upward layers. A 30-cm thick interval of diffuse, mottled, light brown clayey nannofossil ooze and medium gray clay occurs in Section 3.

Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

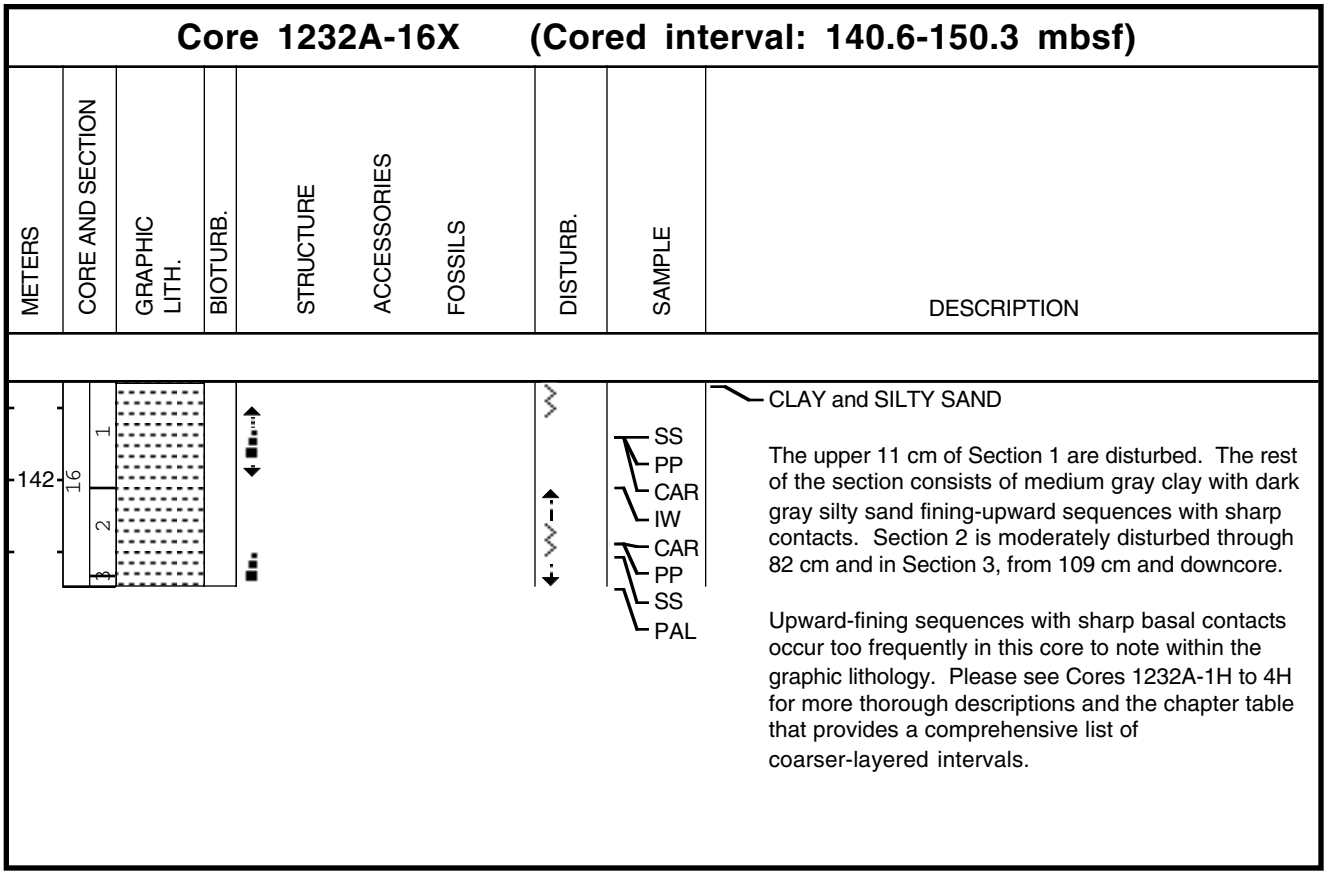
Core Photo


Core 1232A-14X (Cored interval: 121.3-130.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
14
1
22
CAR
PP
PAL
CLAY and SILTY CLAY
This core consists of only one 64-cm long section. The dominant lithology is medium gray-brown clay to silty clay mottled with dark gray silty lenses. No sedimentary structures were observed.

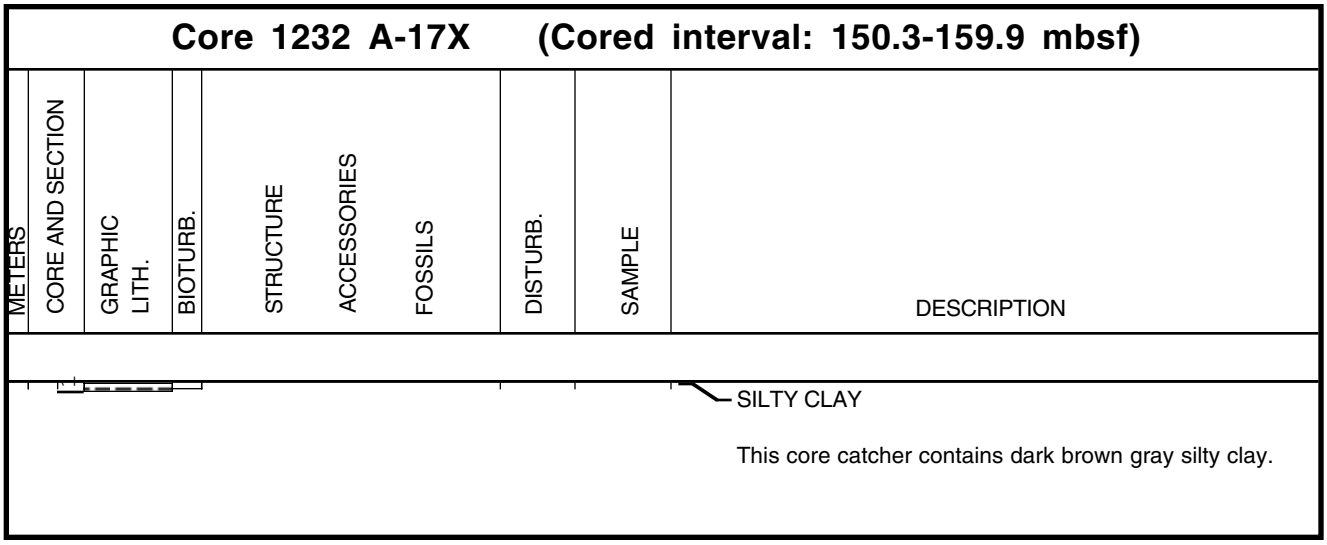
Core Photo


Core 1232A-15X (Cored interval: 130.9-140.6 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
132
15
1
2
3
PP
SS
CAR
PP
CAR
PAL
CLAY
The dominant lithology of this core is clay. In Sections 1 and 2 there are 5 thin sub-cm scale silt layers with moderately disturbed upper and lower boundaries. The intervals between the silty layers show a gradual color change from dark gray at the bottom towards slightly greenish/light gray.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

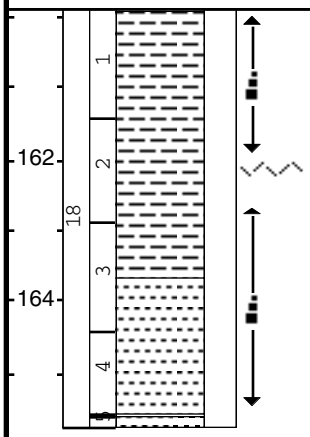

Core 1232A-16X (Cored interval: 140.6-150.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
142
16
1
2
3
SS
PP
CAR
IW
CAR
PP
SS
PAL
CLAY and SILTY SAND
The upper 11 cm of Section 1 are disturbed. The rest of the section consists of medium gray clay with dark gray silty sand fining-upward sequences with sharp contacts. Section 2 is moderately disturbed through 82 cm and in Section 3, from 109 cm and downcore.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo


Core 1232 A-17X (Cored interval: 150.3-159.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SILTY CLAY
This core catcher contains dark brown gray silty clay.

Core Photo

Core 1232A-18X (Cored interval: 159.9-169.5 mbsf)

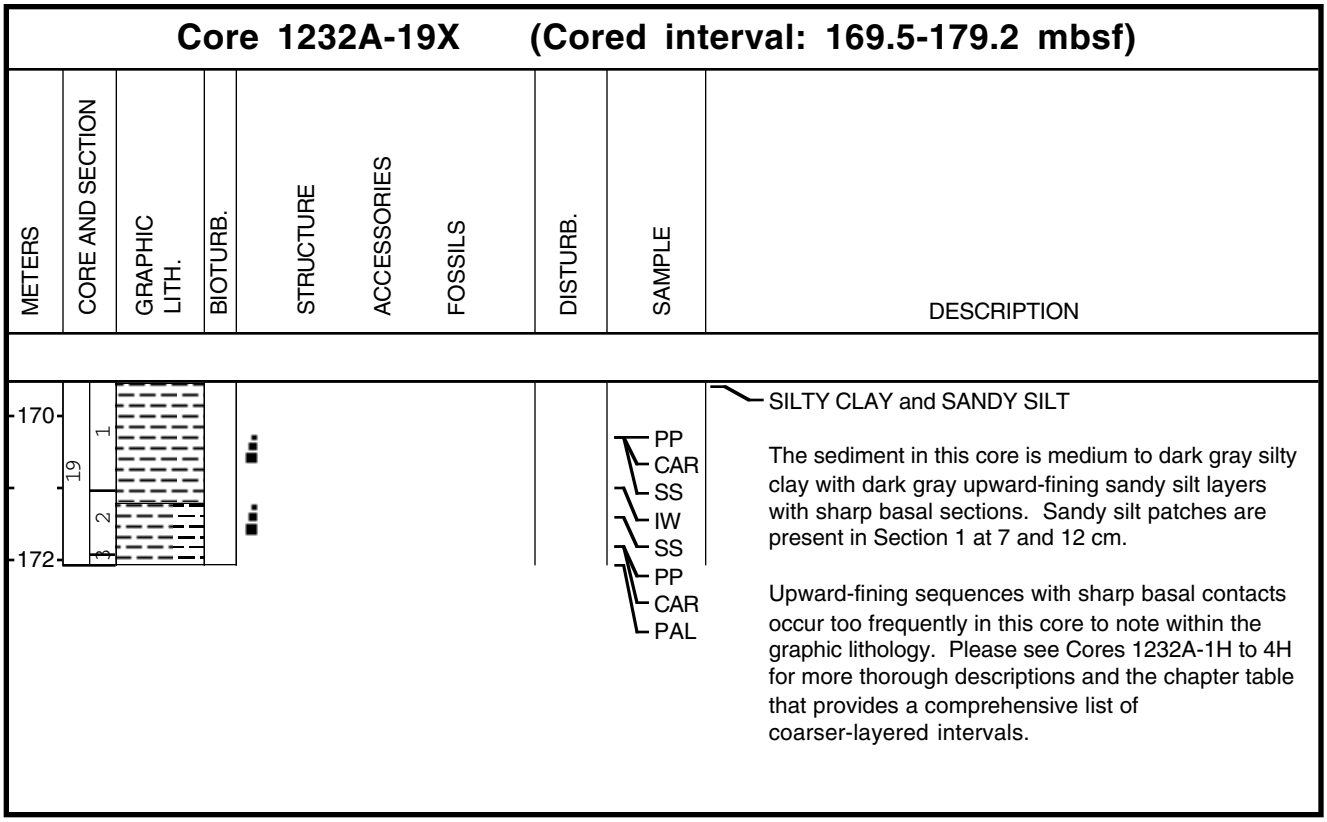


SILTY CLAY, CLAY, DIATOM-NANNOFOSSIL-BEARING CLAY, and SANDY SILT

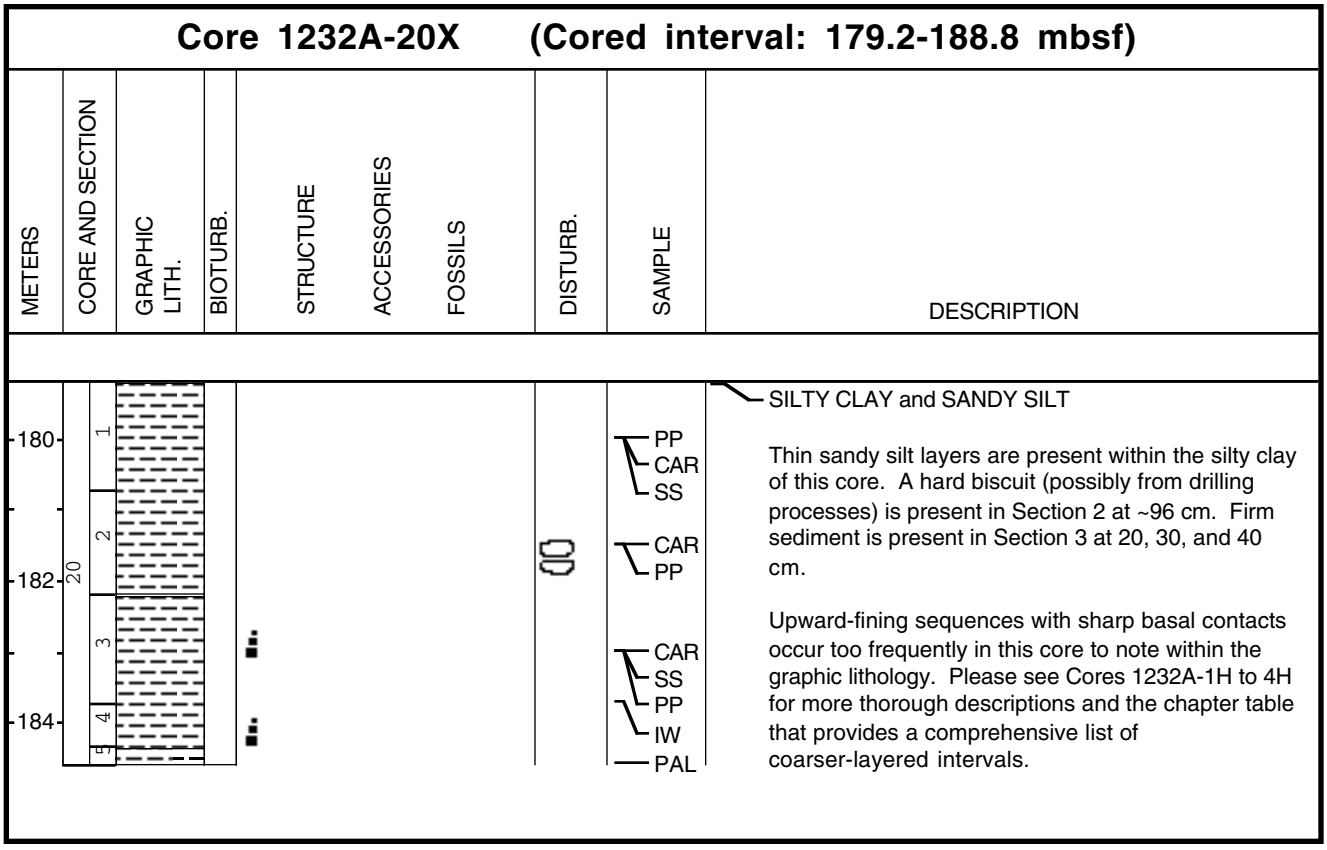
The dominant lithology of this core is silty clay with upward-fining sandy silt layers. These layers are generally less than 2 cm thick and occur frequently (6-8 per section) throughout the core, except in Section 2 (only four layers). Some of the layers have a slightly disturbed lower boundary. The interval between the silty layers shows a gradual color change from dark gray at the bottom towards lighter gray. The smear slide in Section 2, ~120 cm reveals the presence of ash (within a brown spot). Section 3 contains diatom-nannofossil-bearing clay which becomes clay in Section 4.

Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

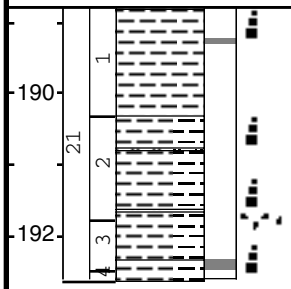

Core 1232A-19X (Cored interval: 169.5-179.2 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
170
172
19
1
2
3
PP
CAR
SS
IW
SS
PP
CAR
PAL
SILTY CLAY and SANDY SILT
The sediment in this core is medium to dark gray silty clay with dark gray upward-fining sandy silt layers with sharp basal sections. Sandy silt patches are present in Section 1 at 7 and 12 cm.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo


Core 1232A-20X (Cored interval: 179.2-188.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
180
182
184
20
1
2
3
4
5
PP
CAR
SS
CAR
PP
CAR
SS
PP
IW
PAL
SILTY CLAY and SANDY SILT
Thin sandy silt layers are present within the silty clay of this core. A hard biscuit (possibly from drilling processes) is present in Section 2 at ~96 cm. Firm sediment is present in Section 3 at 20, 30, and 40 cm.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

Core 1232A-21X (Cored interval: 188.8-198.1 mbsf)



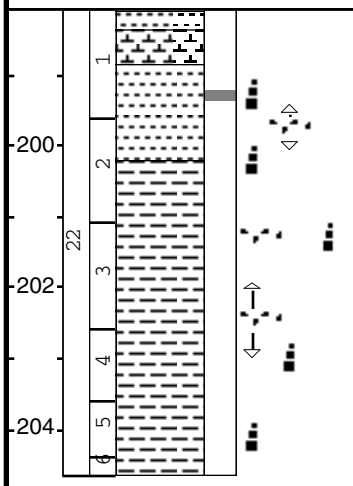
SILTY CLAY, CLAYEY SILT and SANDY SILT

This core contains dark gray to greenish gray silty clay with upward-fining dark gray sandy silt and clayey silt layers. Greener silty clays are present just below contacts in Section 1 at ~75, 110, and 120 cm and Section 2 at ~1 and 55 cm. An upward-fining silty sand sequence is present in Section 2, 110 cm. The first 18 cm of Section 3 contains mottled sandy silt and silty clay.

Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

Core 1232A-22X (Cored interval: 198.1-207.7 mbsf)

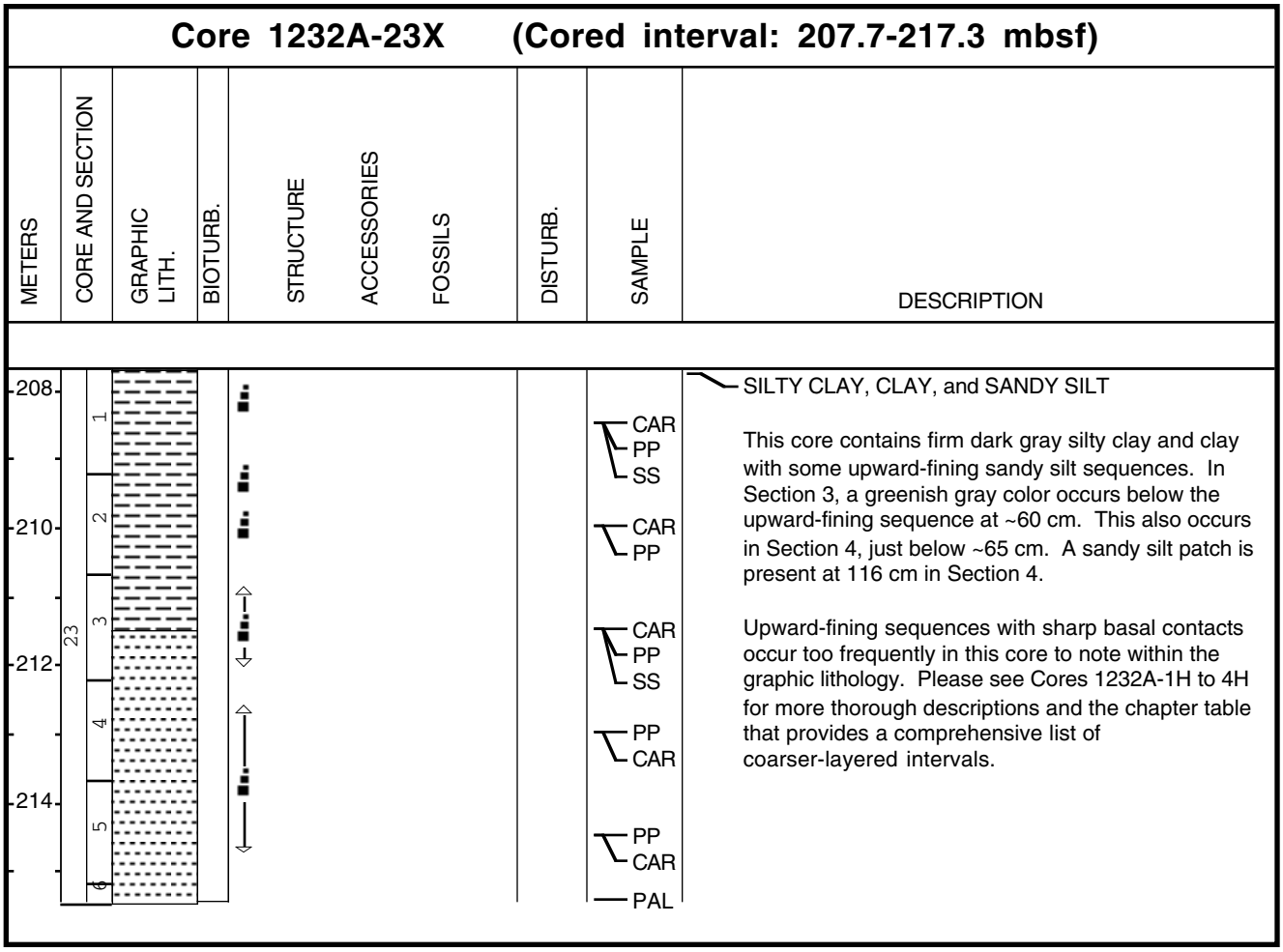


SILTY CLAY, NANNOFOSSIL CLAY, NANNOFOSSIL OOZE, and SANDY SILT

This core contains greenish gray mottled clay with occasional sandy silt upward-fining sequences. A lighter greenish gray clay is present in Section 1 between ~30-60 cm. The mottles in Section 2, 3, and 4 are green and gray in color, and are potentially a result of redox changes. Between ~65-125 cm, Section 2 is comprised of homogeneous greenish gray clay, which becomes gray after the thin sand layer at ~125 cm. Sandy silt lenses are present in Section 1, ~100 cm and Section 2, ~15 cm. The thin sandy silt layer present in Section 3, ~50 cm, is disturbed. Section 5, 50 cm, contains a fining-upward silty sand sequence.

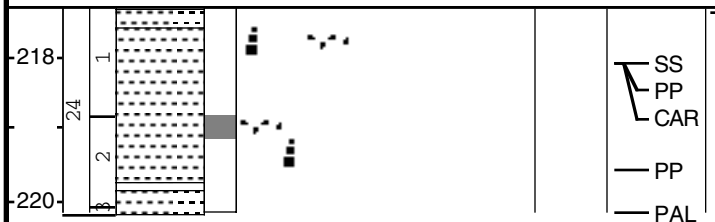
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo


Core 1232A-23X (Cored interval: 207.7-217.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
208
210
212
214
23
1
2
3
4
5
6
CAR
PP
SS
CAR
PP
CAR
PP
SS
PP
CAR
PP
CAR
PAL
SILTY CLAY, CLAY, and SANDY SILT
This core contains firm dark gray silty clay and clay with some upward-fining sandy silt sequences. In Section 3, a greenish gray color occurs below the upward-fining sequence at ~60 cm. This also occurs in Section 4, just below ~65 cm. A sandy silt patch is present at 116 cm in Section 4.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

Core 1232A-24X (Cored interval: 217.3-226.9 mbsf)

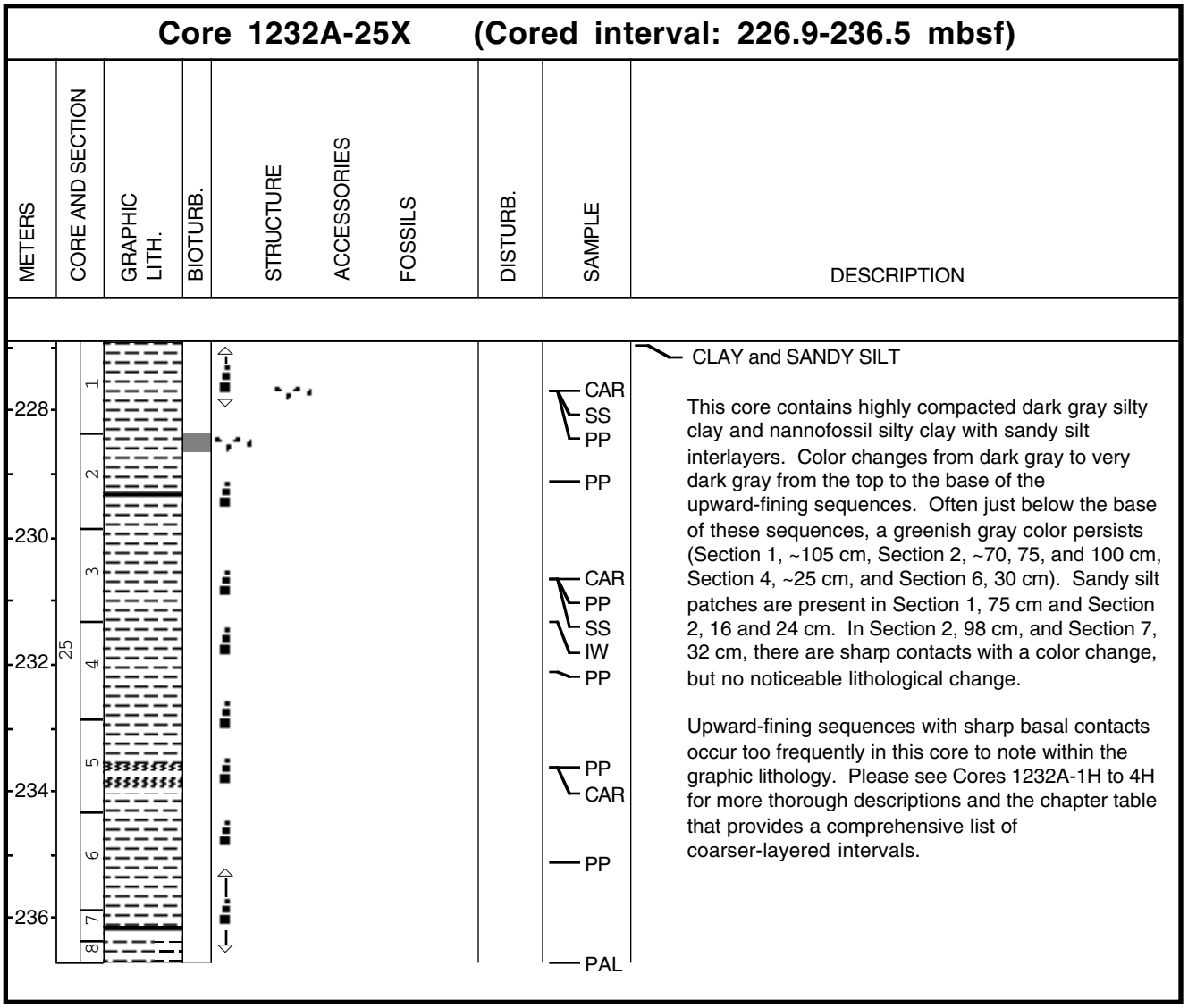


CLAY and SANDY SILT

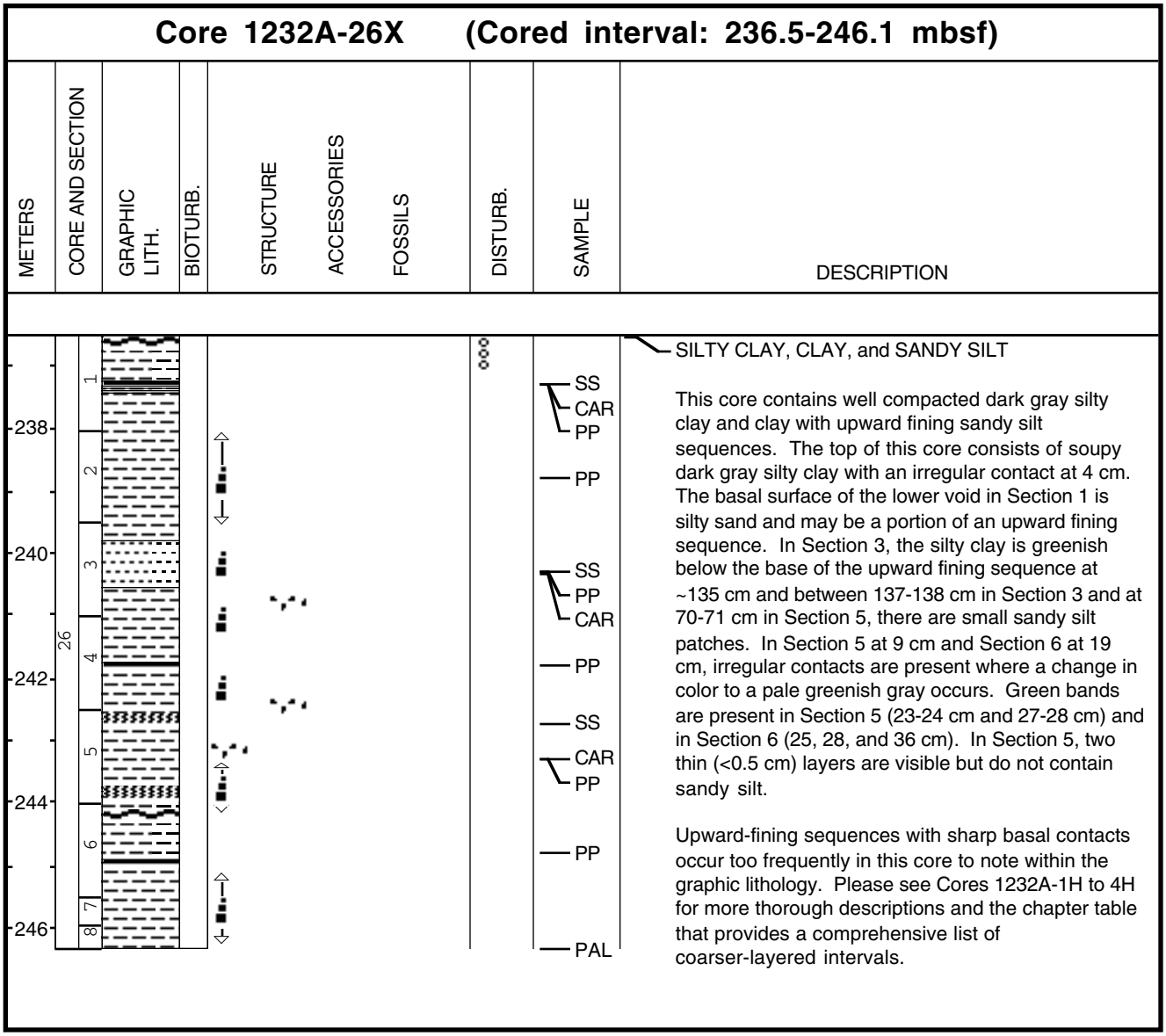
This core contains highly compacted dark gray clay with upward-fining sandy silt layers. Section 1, ~56 cm, a sandy silt patch is visible and a fine silty layer occurs near the base of the section. In Section 2, patches of silty clay are present between 25-36 cm. The contacts in Sections 1, ~30 cm, and 2, 96 cm, represent sharp color contacts with no noticible lithological change. In Section 2, 108 cm, a 0.5 cm layer of darker clay is present. A greenish color is present below most of the fining-upward sequences.

Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

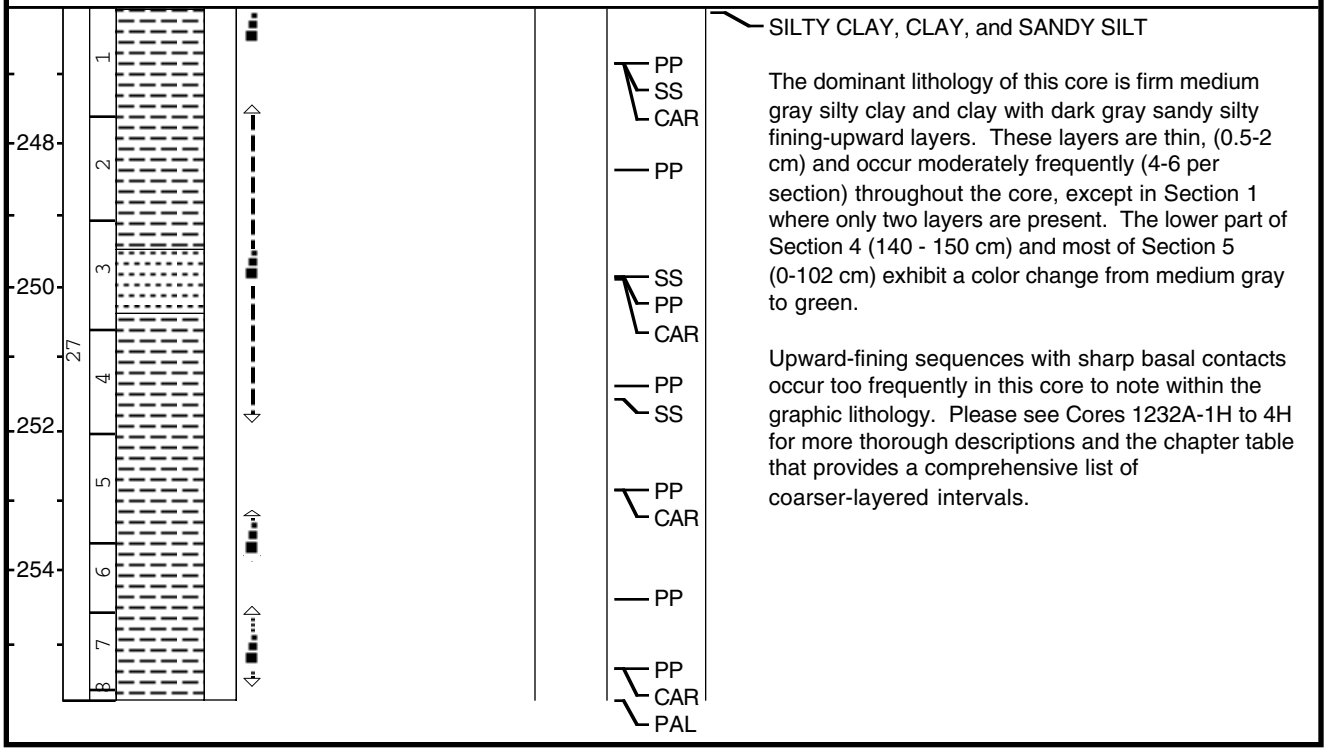

Core 1232A-25X (Cored interval: 226.9-236.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
228
230
232
234
236
25
1
2
3
4
5
6
7
8
CAR
SS
PP
PP
CAR
PP
SS
IW
PP
PP
CAR
PP
PAL
CLAY and SANDY SILT
This core contains highly compacted dark gray silty clay and nannofossil silty clay with sandy silt interlayers. Color changes from dark gray to very dark gray from the top to the base of the upward-fining sequences. Often just below the base of these sequences, a greenish gray color persists (Section 1, ~105 cm, Section 2, ~70, 75, and 100 cm, Section 4, ~25 cm, and Section 6, 30 cm). Sandy silt patches are present in Section 1, 75 cm and Section 2, 16 and 24 cm. In Section 2, 98 cm, and Section 7, 32 cm, there are sharp contacts with a color change, but no noticeable lithological change.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

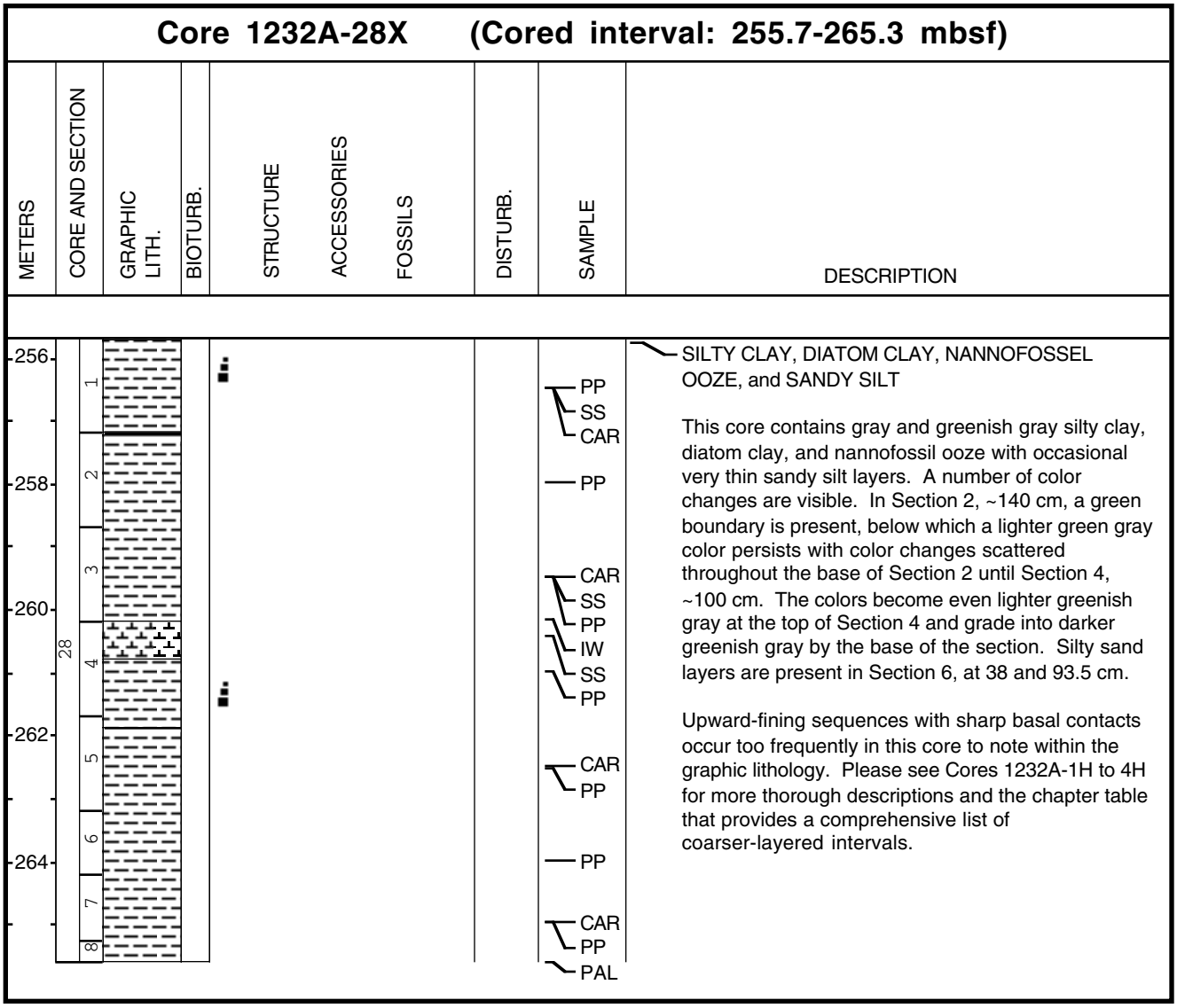

Core 1232A-26X (Cored interval: 236.5-246.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
238
240
242
244
246
26
1
2
3
4
5
6
7
8
SS
CAR
PP
PP
SS
PP
CAR
PP
SS
CAR
PP
PP
PAL
SILTY CLAY, CLAY, and SANDY SILT
This core contains well compacted dark gray silty clay and clay with upward fining sandy silt sequences. The top of this core consists of soupy dark gray silty clay with an irregular contact at 4 cm. The basal surface of the lower void in Section 1 is silty sand and may be a portion of an upward fining sequence. In Section 3, the silty clay is greenish below the base of the upward fining sequence at ~135 cm and between 137-138 cm in Section 3 and at 70-71 cm in Section 5, there are small sandy silt patches. In Section 5 at 9 cm and Section 6 at 19 cm, irregular contacts are present where a change in color to a pale greenish gray occurs. Green bands are present in Section 5 (23-24 cm and 27-28 cm) and in Section 6 (25, 28, and 36 cm). In Section 5, two thin (<0.5 cm) layers are visible but do not contain sandy silt.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

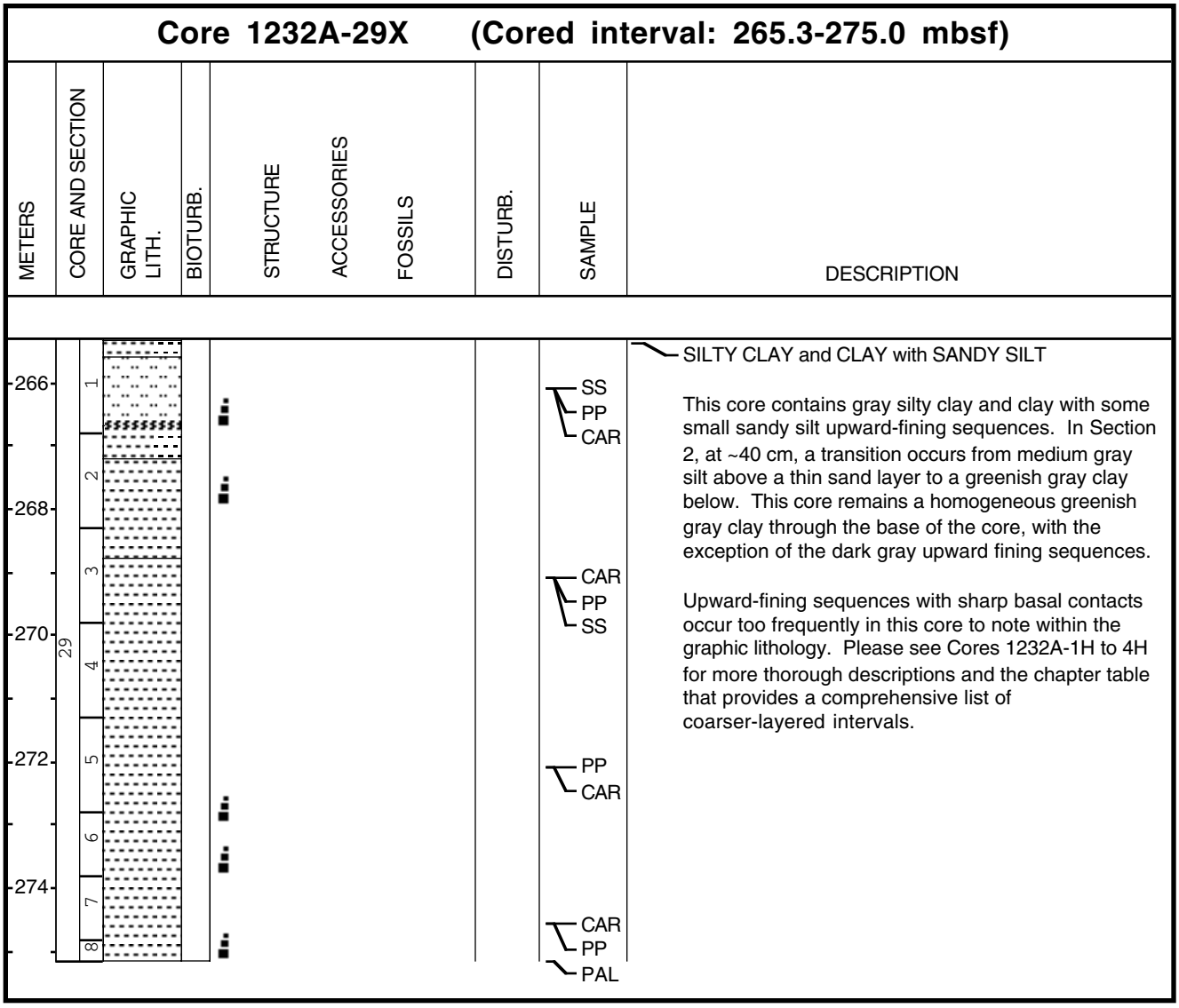
Core 1232A-27X (Cored interval: 246.1-255.7 mbsf)



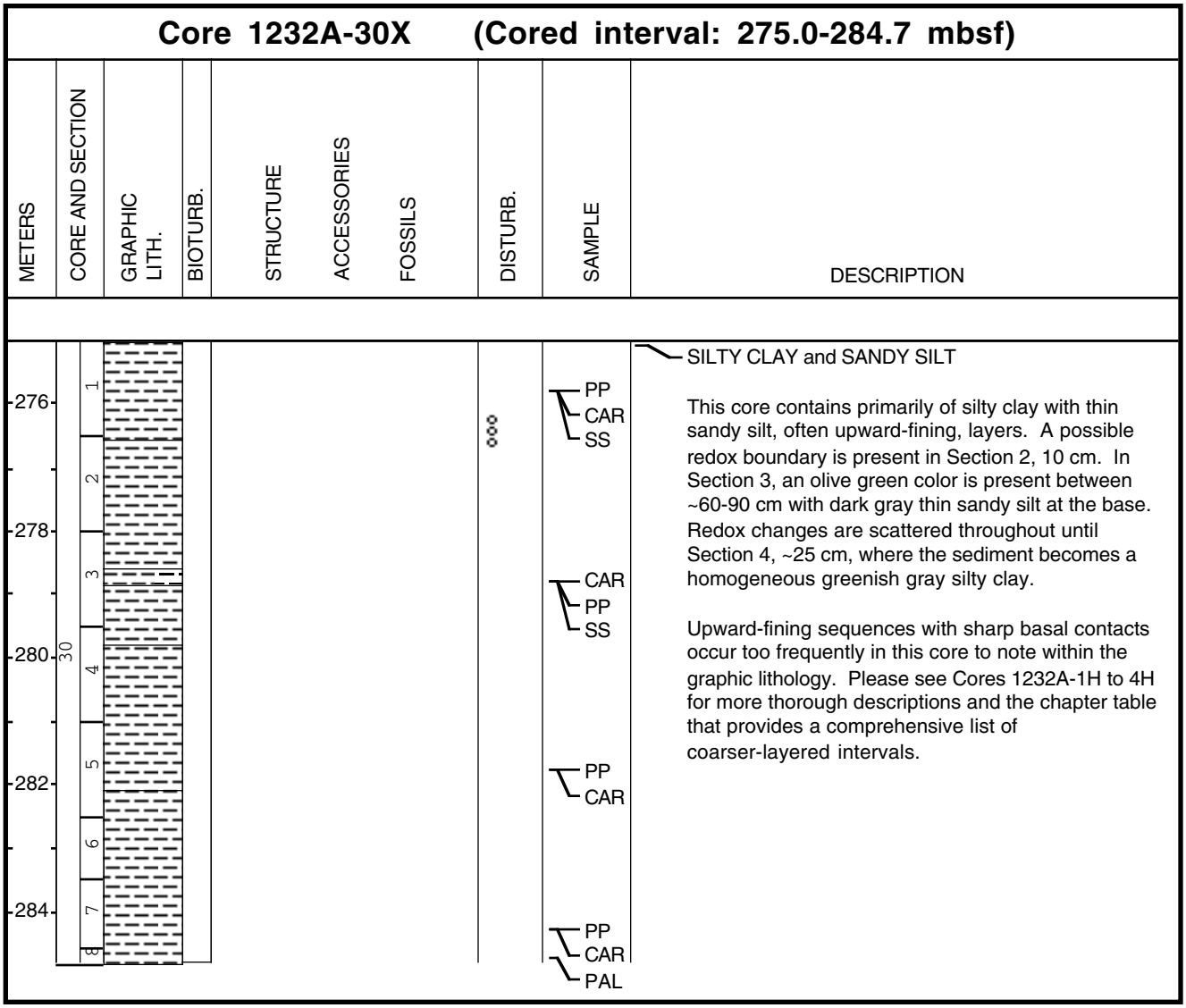
Core Photo


Core 1232A-28X (Cored interval: 255.7-265.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
256
258
260
262
264
28
1
2
3
4
5
6
7
8
PP
SS
CAR
PP
CAR
SS
PP
IW
SS
PP
CAR
PP
PP
CAR
PP
PAL
SILTY CLAY, DIATOM CLAY, NANNOFOSSEL OOZE, and SANDY SILT
This core contains gray and greenish gray silty clay, diatom clay, and nannofossil ooze with occasional very thin sandy silt layers. A number of color changes are visible. In Section 2, ~140 cm, a green boundary is present, below which a lighter green gray color persists with color changes scattered throughout the base of Section 2 until Section 4, ~100 cm. The colors become even lighter greenish gray at the top of Section 4 and grade into darker greenish gray by the base of the section. Silty sand layers are present in Section 6, at 38 and 93.5 cm.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

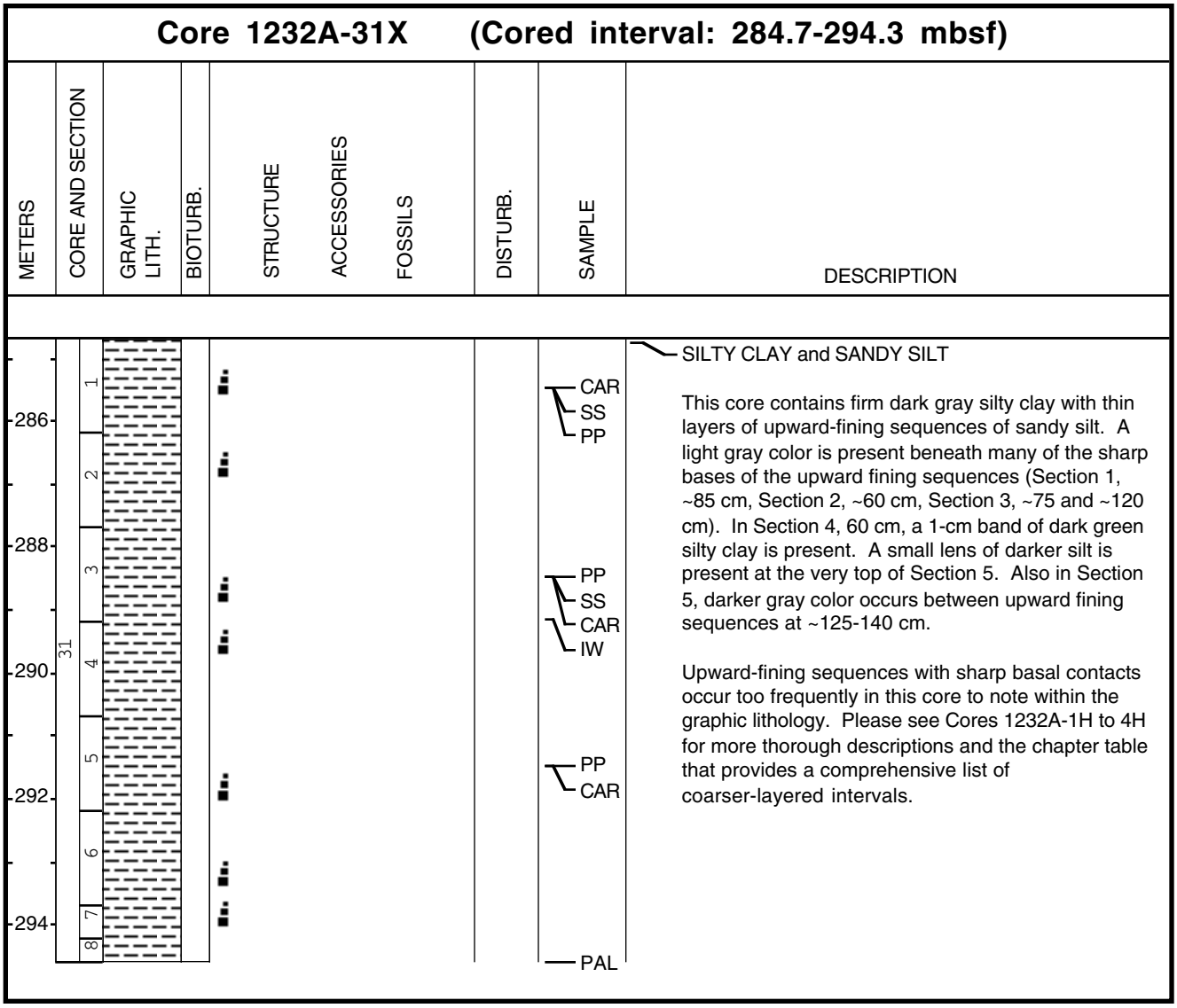
Core Photo


Core 1232A-29X (Cored interval: 265.3-275.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
266
268
270
272
274
29
1
2
3
4
5
6
7
8
SS
PP
CAR
CAR
PP
SS
PP
CAR
CAR
PP
PAL
SILTY CLAY and CLAY with SANDY SILT
This core contains gray silty clay and clay with some small sandy silt upward-fining sequences. In Section 2, at ~40 cm, a transition occurs from medium gray silt above a thin sand layer to a greenish gray clay below. This core remains a homogeneous greenish gray clay through the base of the core, with the exception of the dark gray upward fining sequences.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

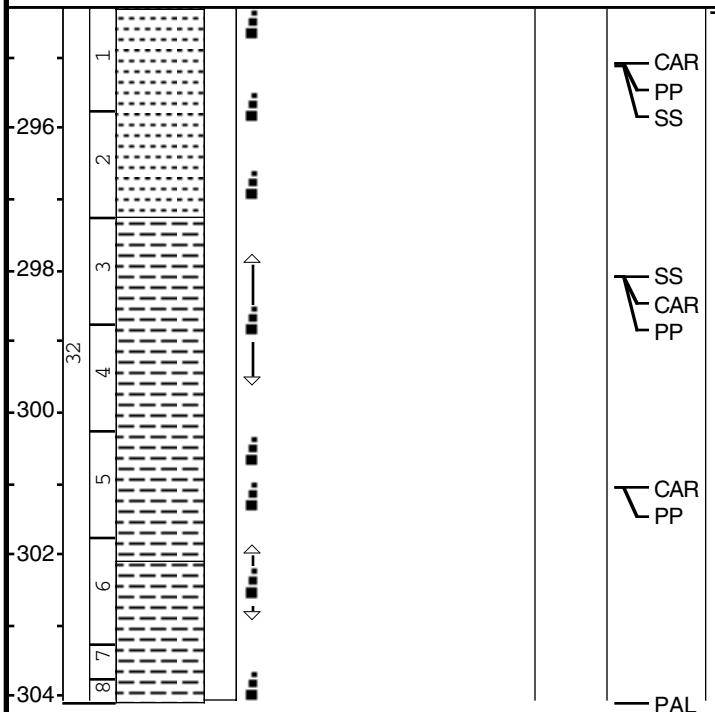

Core 1232A-30X (Cored interval: 275.0-284.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
276
278
280
282
284
30
1
2
3
4
5
6
7
CC
PP
CAR
SS
CAR
PP
SS
PP
CAR
PP
CAR
PAL
SILTY CLAY and SANDY SILT
This core contains primarily of silty clay with thin sandy silt, often upward-fining, layers. A possible redox boundary is present in Section 2, 10 cm. In Section 3, an olive green color is present between ~60-90 cm with dark gray thin sandy silt at the base. Redox changes are scattered throughout until Section 4, ~25 cm, where the sediment becomes a homogeneous greenish gray silty clay.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo


Core 1232A-31X (Cored interval: 284.7-294.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
286
288
290
292
294
31
1
2
3
4
5
6
7
8
CAR
SS
PP
PP
SS
CAR
IW
PP
CAR
PAL
SILTY CLAY and SANDY SILT
This core contains firm dark gray silty clay with thin layers of upward-fining sequences of sandy silt. A light gray color is present beneath many of the sharp bases of the upward fining sequences (Section 1, ~85 cm, Section 2, ~60 cm, Section 3, ~75 and ~120 cm). In Section 4, 60 cm, a 1-cm band of dark green silty clay is present. A small lens of darker silt is present at the very top of Section 5. Also in Section 5, darker gray color occurs between upward fining sequences at ~125-140 cm.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

Core 1232A-32X (Cored interval: 294.3-303.9 mbsf)



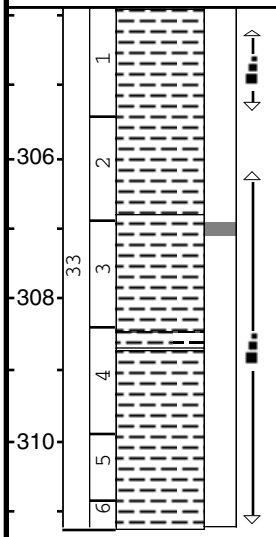
SILTY CLAY, CLAY, and SANDY SILT

This core contains firm dark gray silty clay. Fining-upward sandy silt layers have become thinner and less frequent than previous cores. A number of darker greenish bands (possibly thin upward-fining sequences) are present (Section 3, 46, 77, and 79 cm, Section 4, 71, 78, 100, 102-104 cm). Below the base of some of the upward fining sequences, a lighter color occurs (Section 2, ~5 cm, Section 4, ~15 cm, Section 5, ~90 cm, and Section 6, ~40 cm). A darker gray color is present just below the first upward fining sequence in Section 6. A sandy silt patch occurs in Section 4, 28 cm. In Section 6, 35 cm, an abrupt change of color is visible without any obvious change in lithology.

Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

Core 1232A-33X (Cored interval: 303.9-313.5 mbsf)



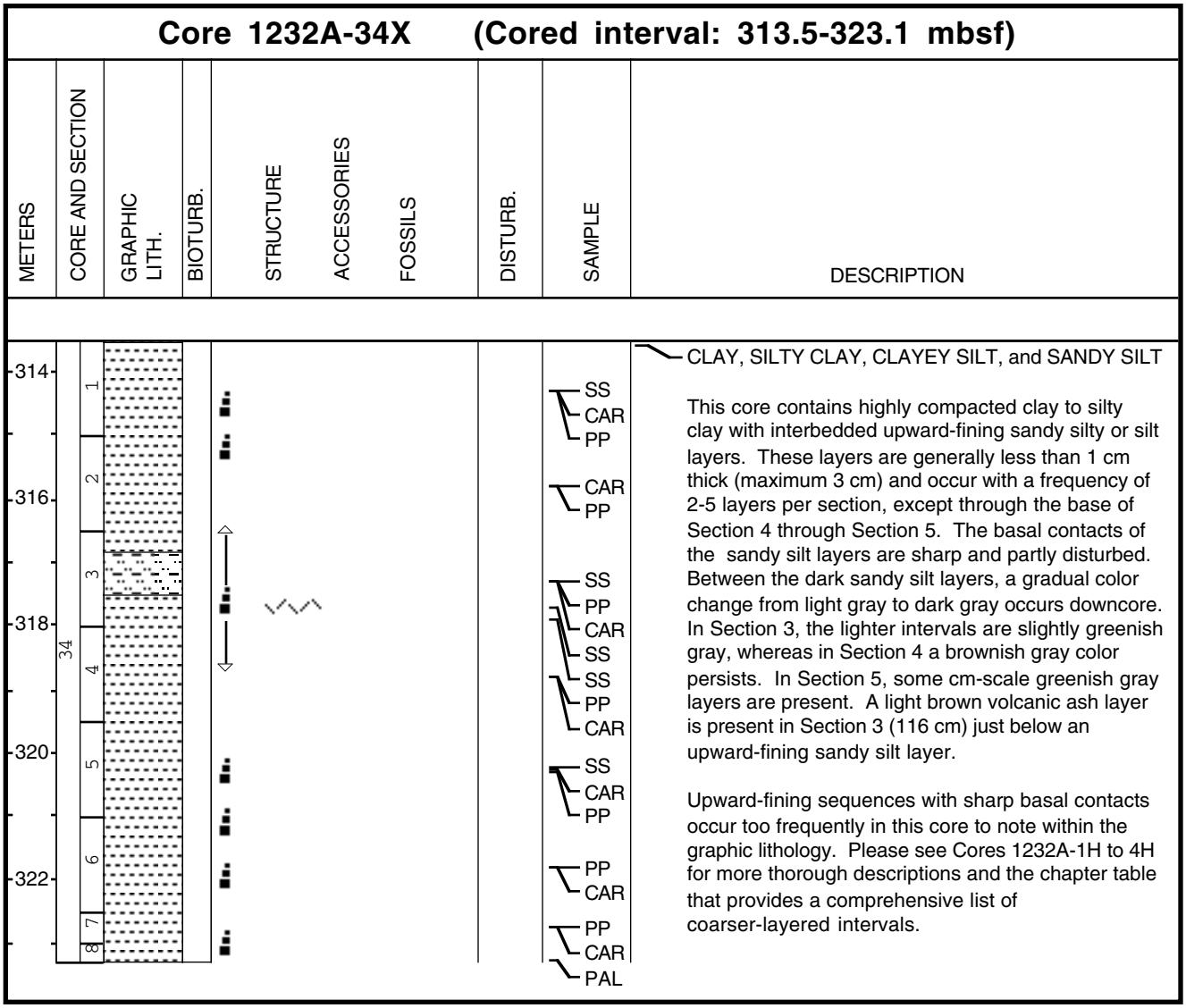
DESCRIPTION

SILTY CLAY with SANDY SILT

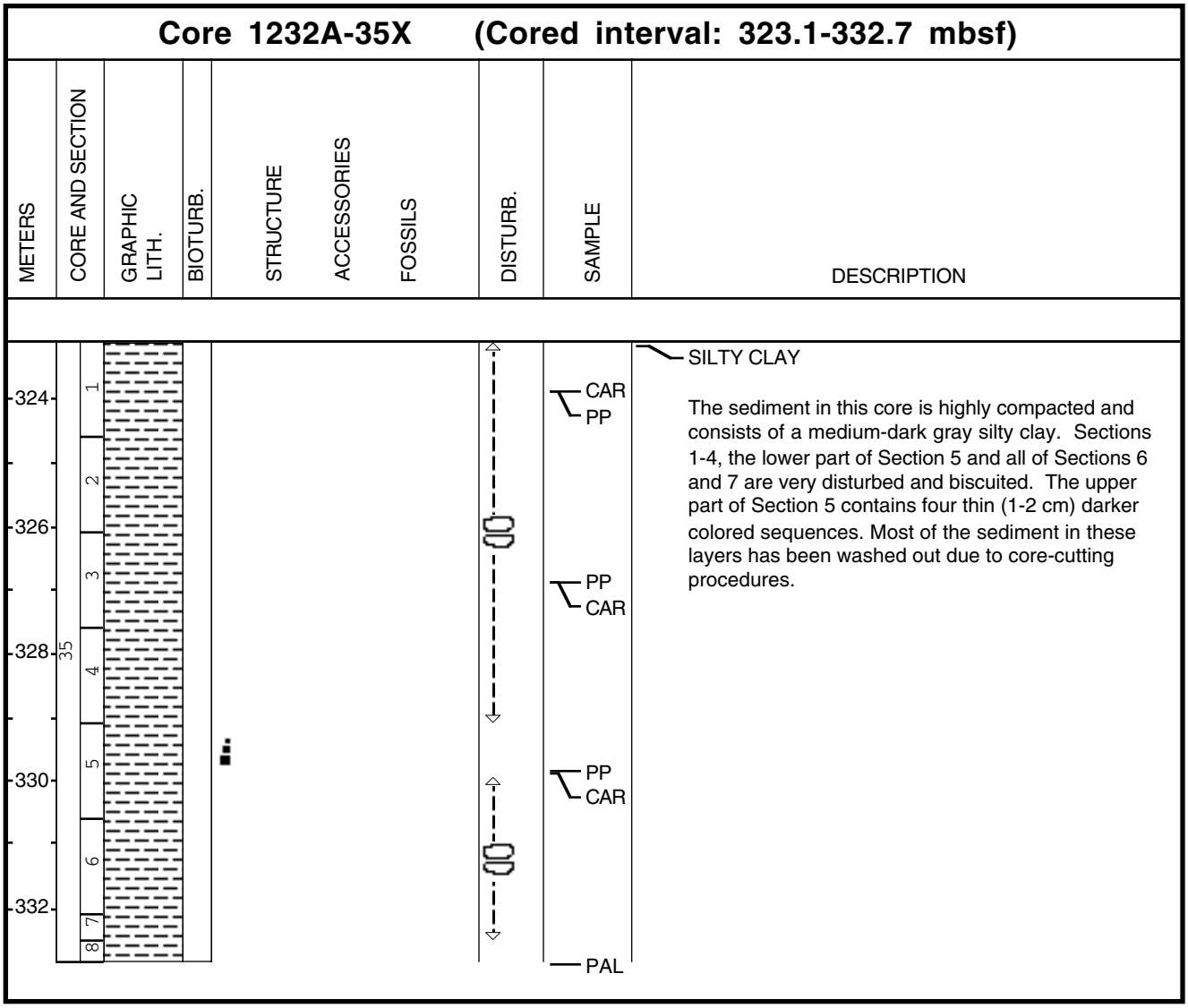
This core contains dark gray silty clay with numerous upward-fining sandy silt sequences. The top 10 cm of the core is disturbed sandy silt. A lighter gray color is present at the base of some of the upward-fining sequences (Section 1, ~100 cm and 130 cm and Section 3, ~10 cm and 145 cm). Small bands (~2 cm) of darker gray occur throughout the core in Section 1, 97 cm (0.5 cm), 147 cm, Section 2, 11 cm, 16 cm, and numerous 0.5 cm bands in Section 4, 18-24 cm. Dark green bands (1 cm) occur in Section 3 at 10, 15, 28, and 31 cm

Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

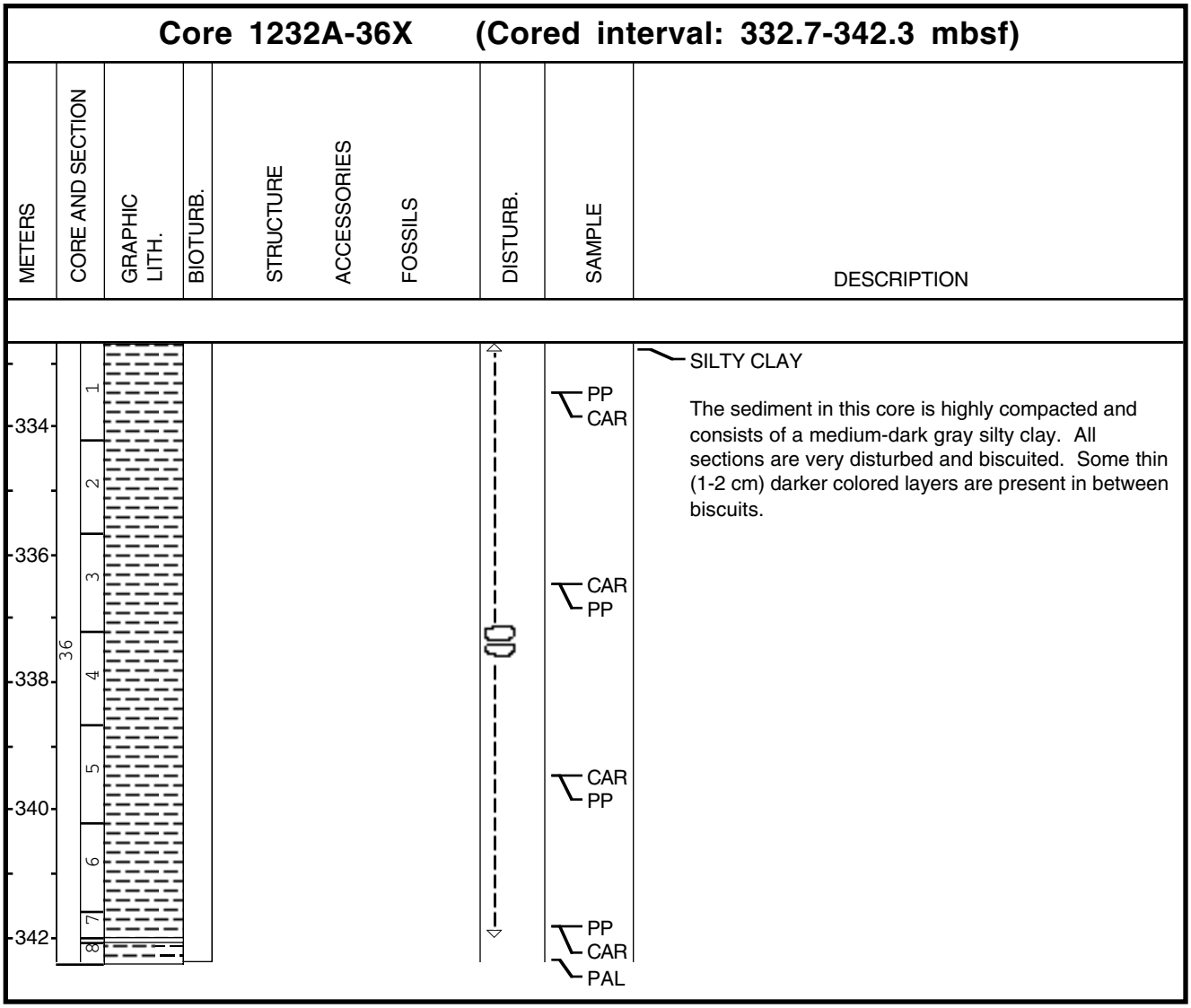
Core Photo


Core 1232A-34X (Cored interval: 313.5-323.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
314
316
318
320
322
34
1
2
3
4
5
6
7
8
SS
CAR
PP
CAR
PP
SS
PP
CAR
SS
SS
PP
CAR
SS
CAR
PP
PP
CAR
PP
CAR
PAL
CLAY, SILTY CLAY, CLAYEY SILT, and SANDY SILT
This core contains highly compacted clay to silty clay with interbedded upward-fining sandy silty or silt layers. These layers are generally less than 1 cm thick (maximum 3 cm) and occur with a frequency of 2-5 layers per section, except through the base of Section 4 through Section 5. The basal contacts of the sandy silt layers are sharp and partly disturbed. Between the dark sandy silt layers, a gradual color change from light gray to dark gray occurs downcore. In Section 3, the lighter intervals are slightly greenish gray, whereas in Section 4 a brownish gray color persists. In Section 5, some cm-scale greenish gray layers are present. A light brown volcanic ash layer is present in Section 3 (116 cm) just below an upward-fining sandy silt layer.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

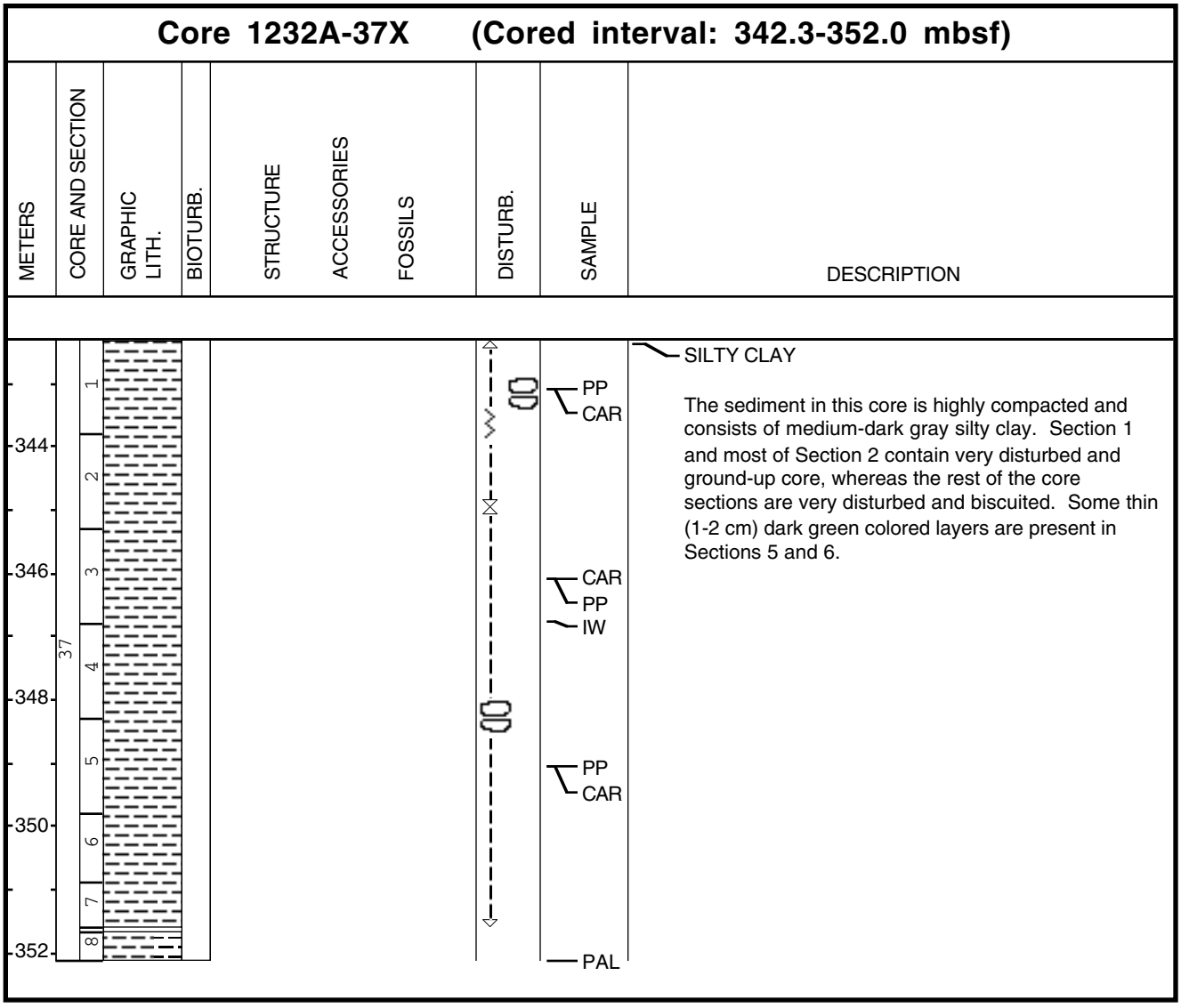
Core Photo


Core 1232A-35X (Cored interval: 323.1-332.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
324
326
328
330
332
35
1
2
3
4
5
6
7
8
CAR
PP
PP
CAR
PP
CAR
PAL
SILTY CLAY
The sediment in this core is highly compacted and consists of a medium-dark gray silty clay. Sections 1-4, the lower part of Section 5 and all of Sections 6 and 7 are very disturbed and biscuited. The upper part of Section 5 contains four thin (1-2 cm) darker colored sequences. Most of the sediment in these layers has been washed out due to core-cutting procedures.

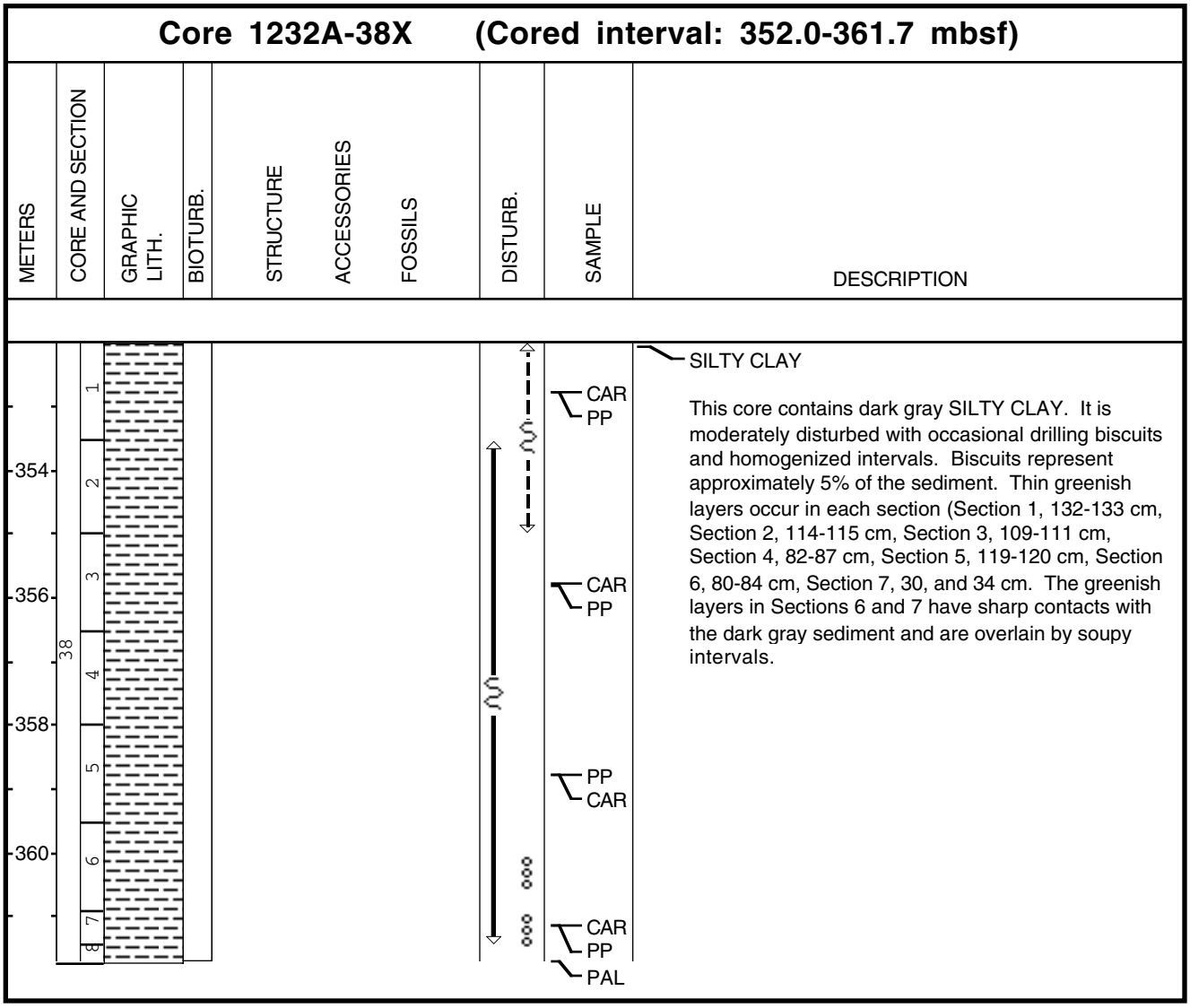
Core Photo


Core 1232A-36X (Cored interval: 332.7-342.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
334
336
338
340
342
36
1
2
3
4
5
6
7
8
PP
CAR
CAR
PP
CAR
PP
PP
CAR
PAL
SILTY CLAY
The sediment in this core is highly compacted and consists of a medium-dark gray silty clay. All sections are very disturbed and biscuited. Some thin (1-2 cm) darker colored layers are present in between biscuits.

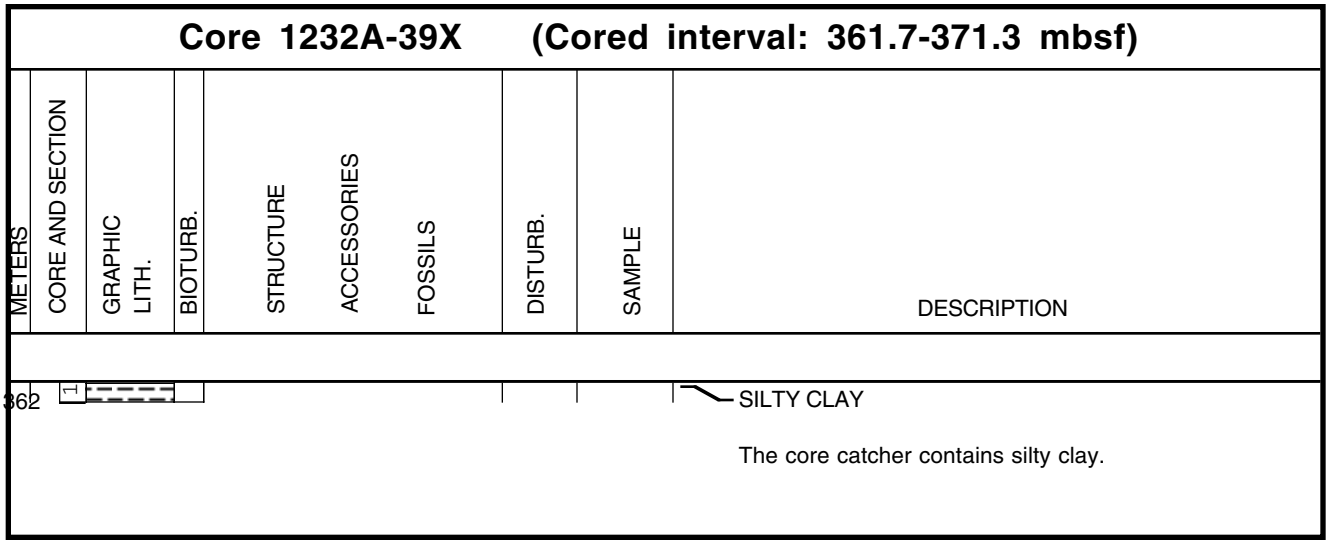
Core Photo


Core 1232A-37X (Cored interval: 342.3-352.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
344
346
348
350
352
37
1
2
3
4
5
6
7
8
PP
CAR
CAR
PP
IW
PP
CAR
PAL
SILTY CLAY
The sediment in this core is highly compacted and consists of medium-dark gray silty clay. Section 1 and most of Section 2 contain very disturbed and ground-up core, whereas the rest of the core sections are very disturbed and biscuited. Some thin (1-2 cm) dark green colored layers are present in Sections 5 and 6.

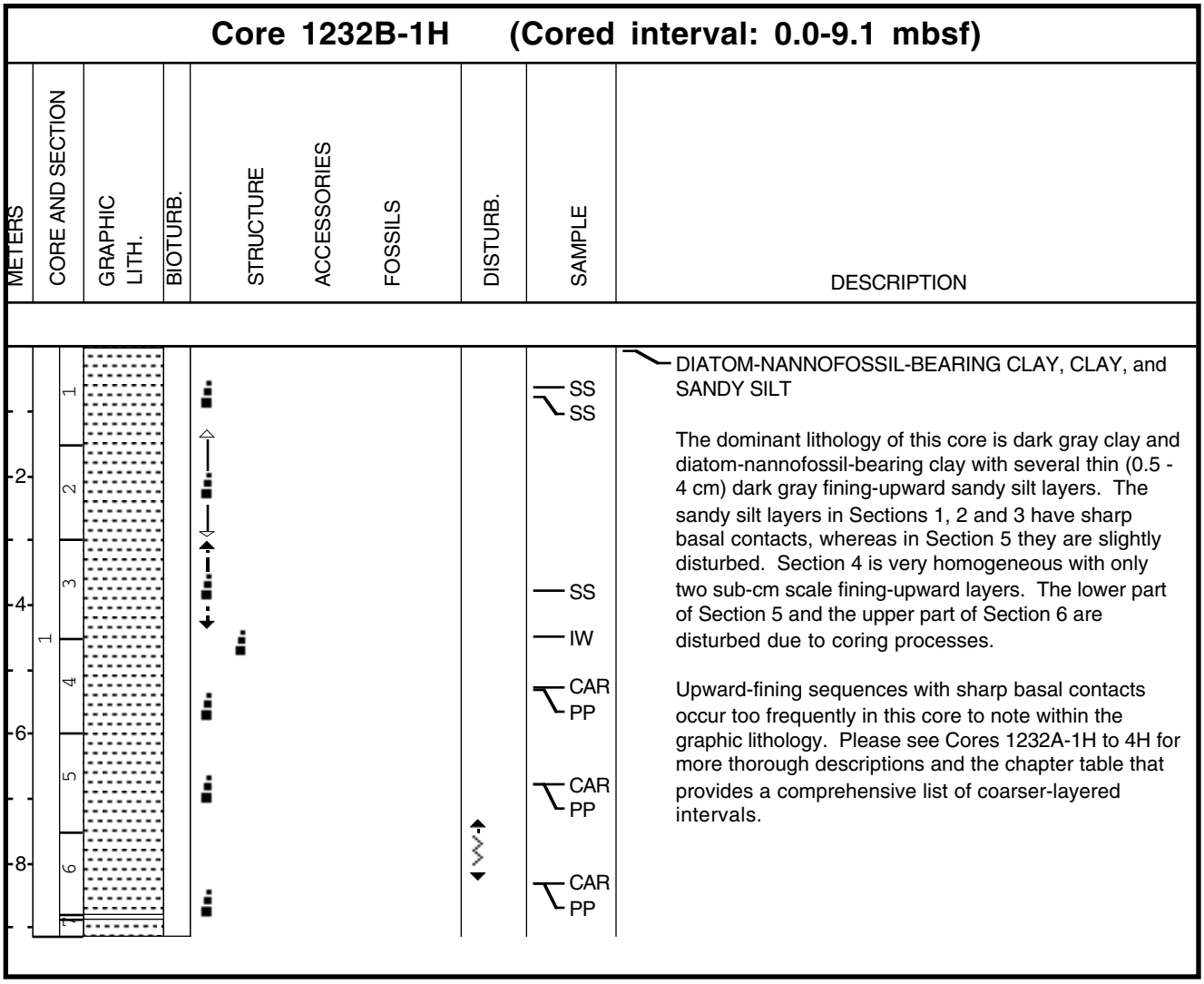
Core Photo


Core 1232A-38X (Cored interval: 352.0-361.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
354
356
358
360
38
1
2
3
4
5
6
7
CAR
PP
CAR
PP
PP
CAR
CAR
PP
PAL
SILTY CLAY
This core contains dark gray SILTY CLAY. It is moderately disturbed with occasional drilling biscuits and homogenized intervals. Biscuits represent approximately 5% of the sediment. Thin greenish layers occur in each section (Section 1, 132-133 cm, Section 2, 114-115 cm, Section 3, 109-111 cm, Section 4, 82-87 cm, Section 5, 119-120 cm, Section 6, 80-84 cm, Section 7, 30, and 34 cm. The greenish layers in Sections 6 and 7 have sharp contacts with the dark gray sediment and are overlain by soupy intervals.

Core Photo

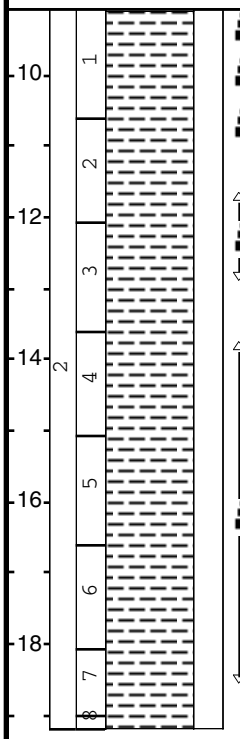

Core 1232A-39X (Cored interval: 361.7-371.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
362
1
SILTY CLAY
The core catcher contains silty clay.

Core Photo


Core 1232B-1H (Cored interval: 0.0-9.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
IW
CAR
PP
CAR
PP
CAR
PP
DIATOM-NANNOFOSSIL-BEARING CLAY, CLAY, and SANDY SILT
The dominant lithology of this core is dark gray clay and diatom-nannofossil-bearing clay with several thin (0.5 - 4 cm) dark gray fining-upward sandy silt layers. The sandy silt layers in Sections 1, 2 and 3 have sharp basal contacts, whereas in Section 5 they are slightly disturbed. Section 4 is very homogeneous with only two sub-cm scale fining-upward layers. The lower part of Section 5 and the upper part of Section 6 are disturbed due to coring processes.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

Core 1232B-2H (Cored interval: 9.1-18.6 mbsf)

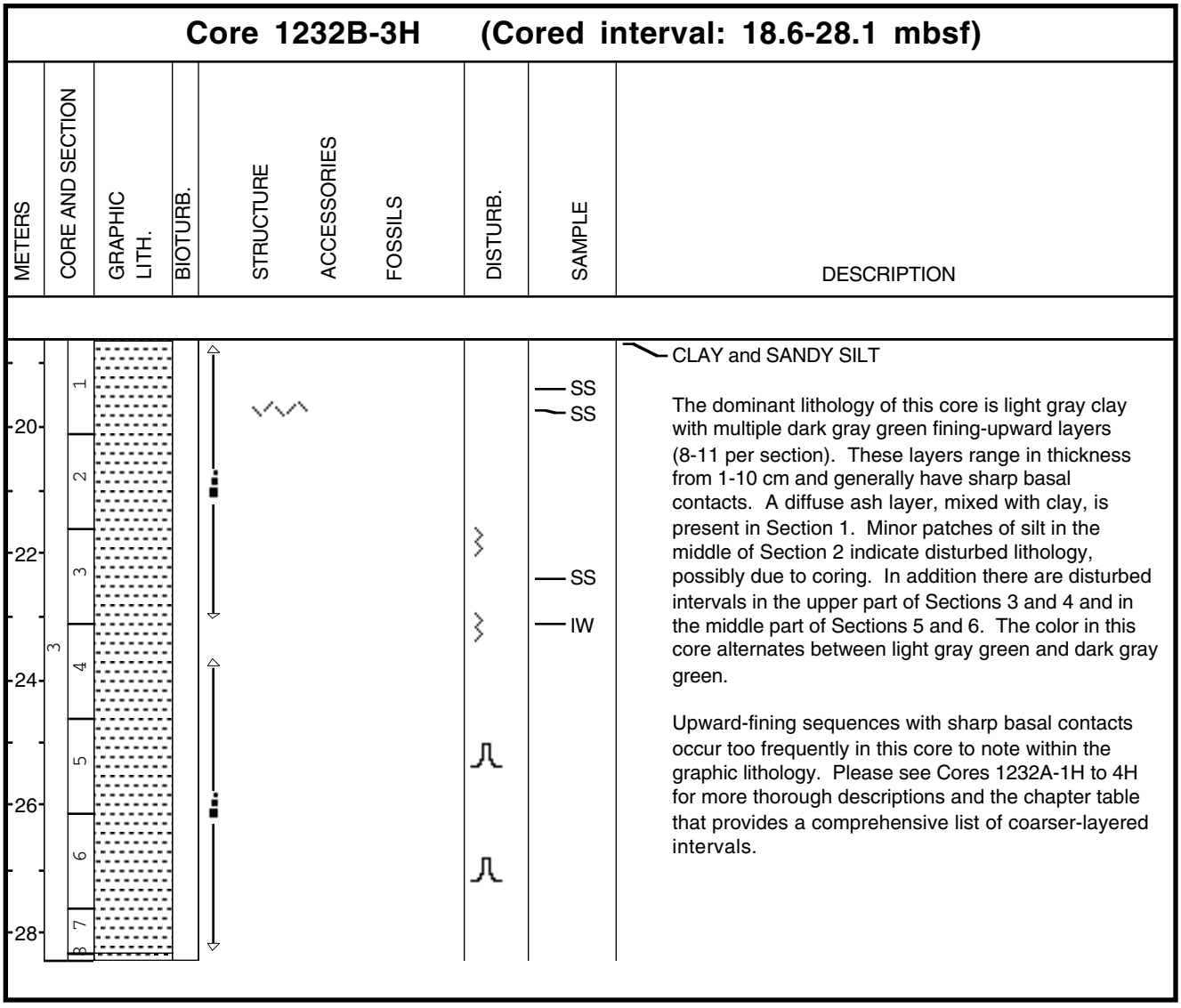


SILTY CLAY and SANDY SILT

The dominant lithology of this core is dark gray silty clay interrupted by many thin (~1-4 cm), fining-upward sandy silt layers with sharp basal contacts. Some sections of the core are slightly disturbed due to coring processes exhibited by flow-in structures or patchy sandy silt layers. Soupy layers are present in Sections 2 and 7.

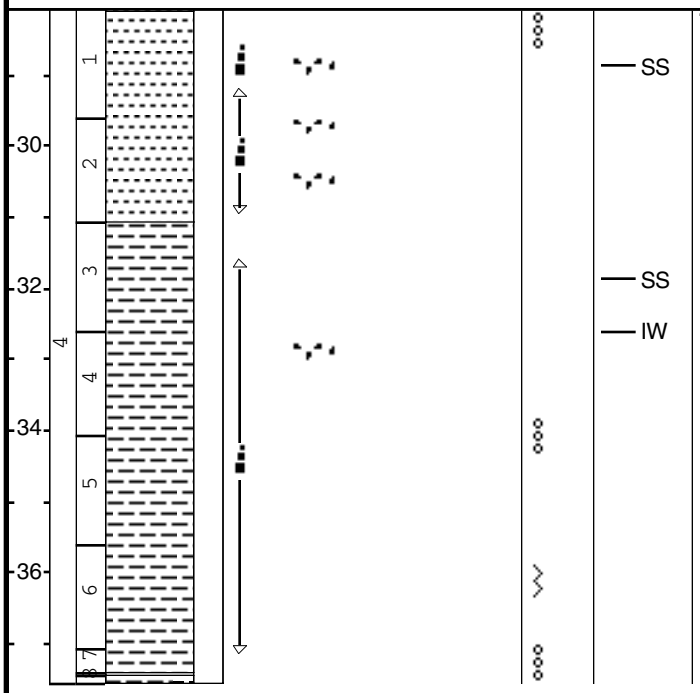
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo


Core 1232B-3H (Cored interval: 18.6-28.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
20
22
24
26
28
3
1
2
3
4
5
6
7
CC
SS
SS
SS
IW
CLAY and SANDY SILT
The dominant lithology of this core is light gray clay with multiple dark gray green fining-upward layers (8-11 per section). These layers range in thickness from 1-10 cm and generally have sharp basal contacts. A diffuse ash layer, mixed with clay, is present in Section 1. Minor patches of silt in the middle of Section 2 indicate disturbed lithology, possibly due to coring. In addition there are disturbed intervals in the upper part of Sections 3 and 4 and in the middle part of Sections 5 and 6. The color in this core alternates between light gray green and dark gray green.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

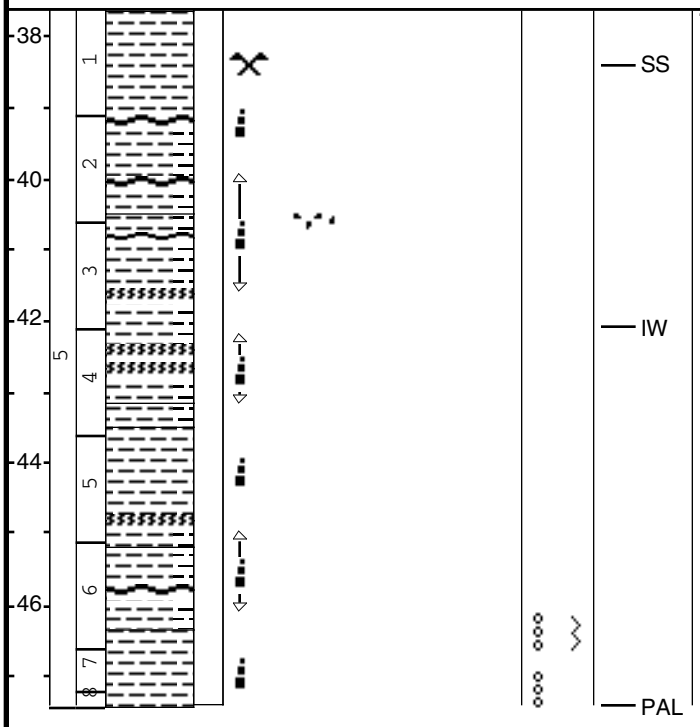
Core Photo

Core 1232B-4H (Cored interval: 28.1-37.6 mbsf)



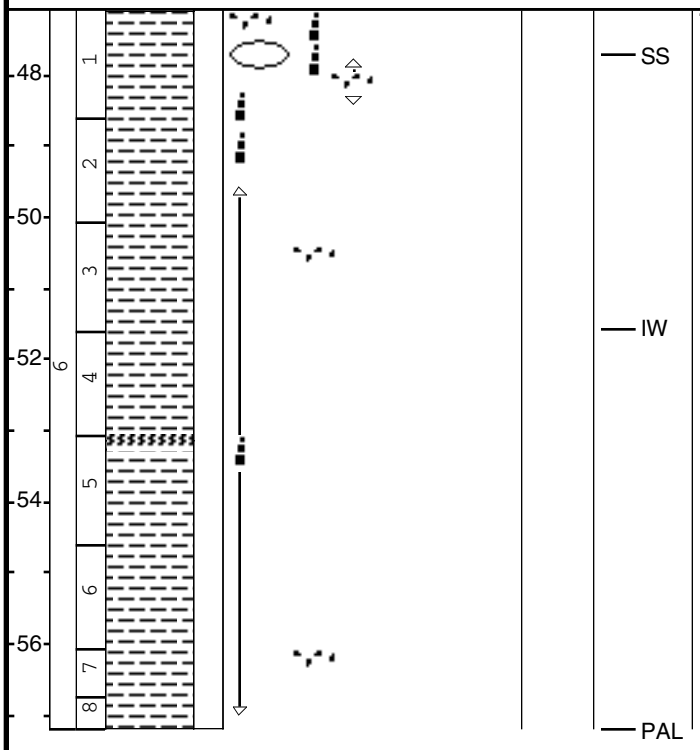
Core Photo

Core 1232B-5H (Cored interval: 37.6-47.1 mbsf)



Core Photo

Core 1232B-6H (Cored interval: 47.1-56.6 mbsf)



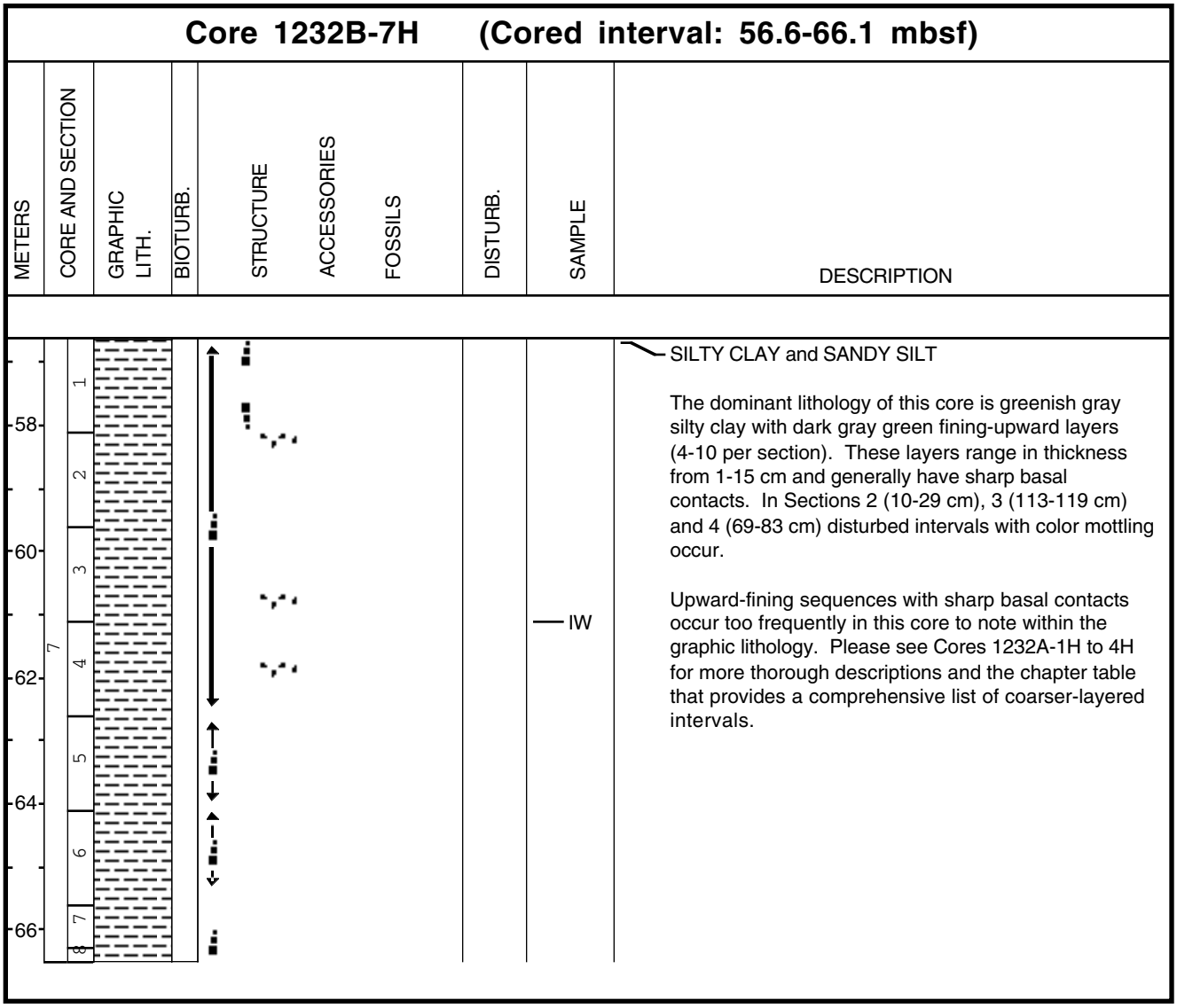
DESCRIPTION

SILTY CLAY and SANDY SILT

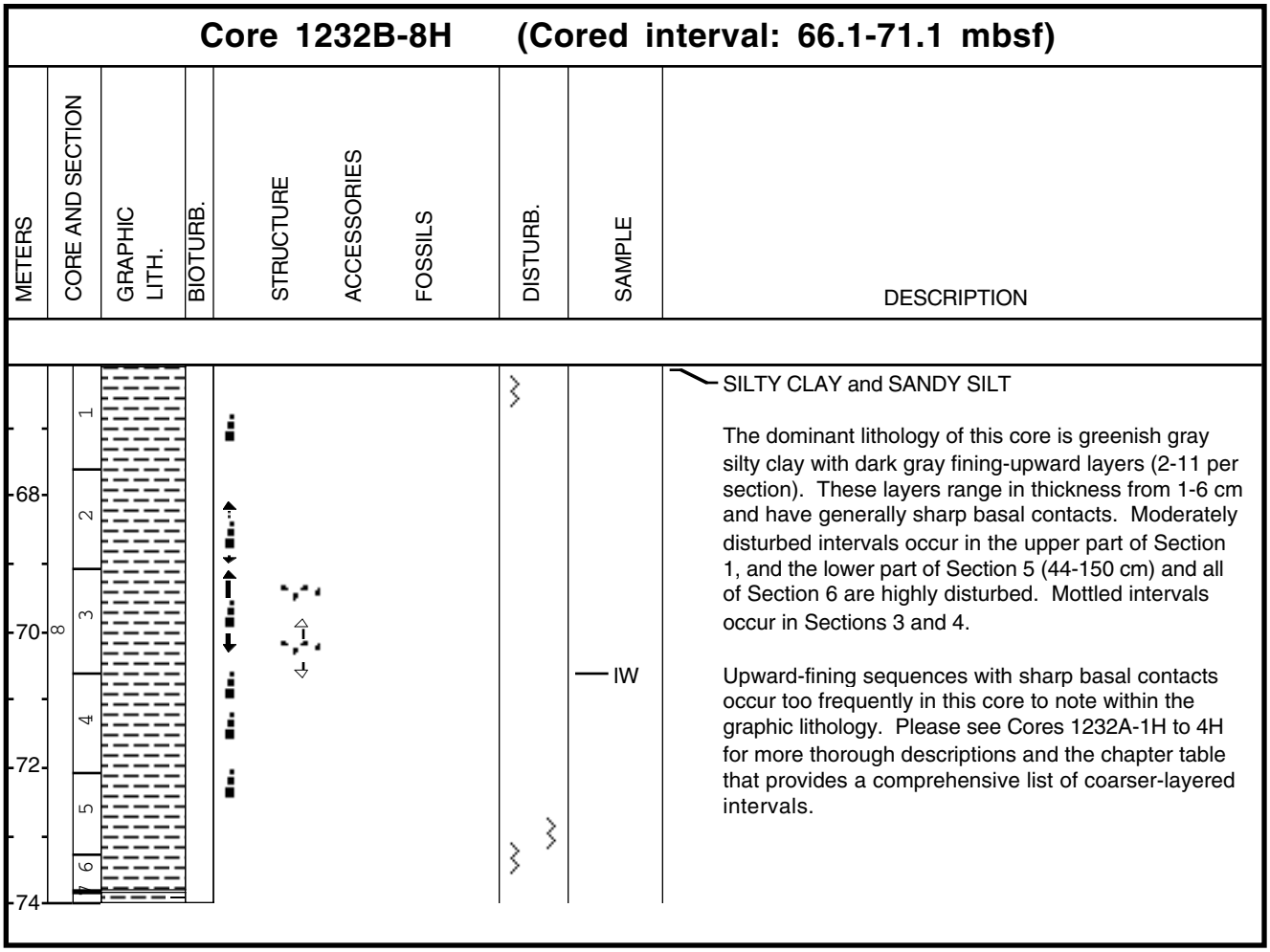
This core contains greenish gray silty clay with sandy silt upward-fining layers. Thin sandy silt layers occur throughout the core. A brown/tan nodule of clay-bearing calcareous ooze is present in Section 1, 60 cm. In Section 2, thin dark gray laminae (possibly silt) are present. Within the mottled areas of core, color changes and sandy silt are present.

Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

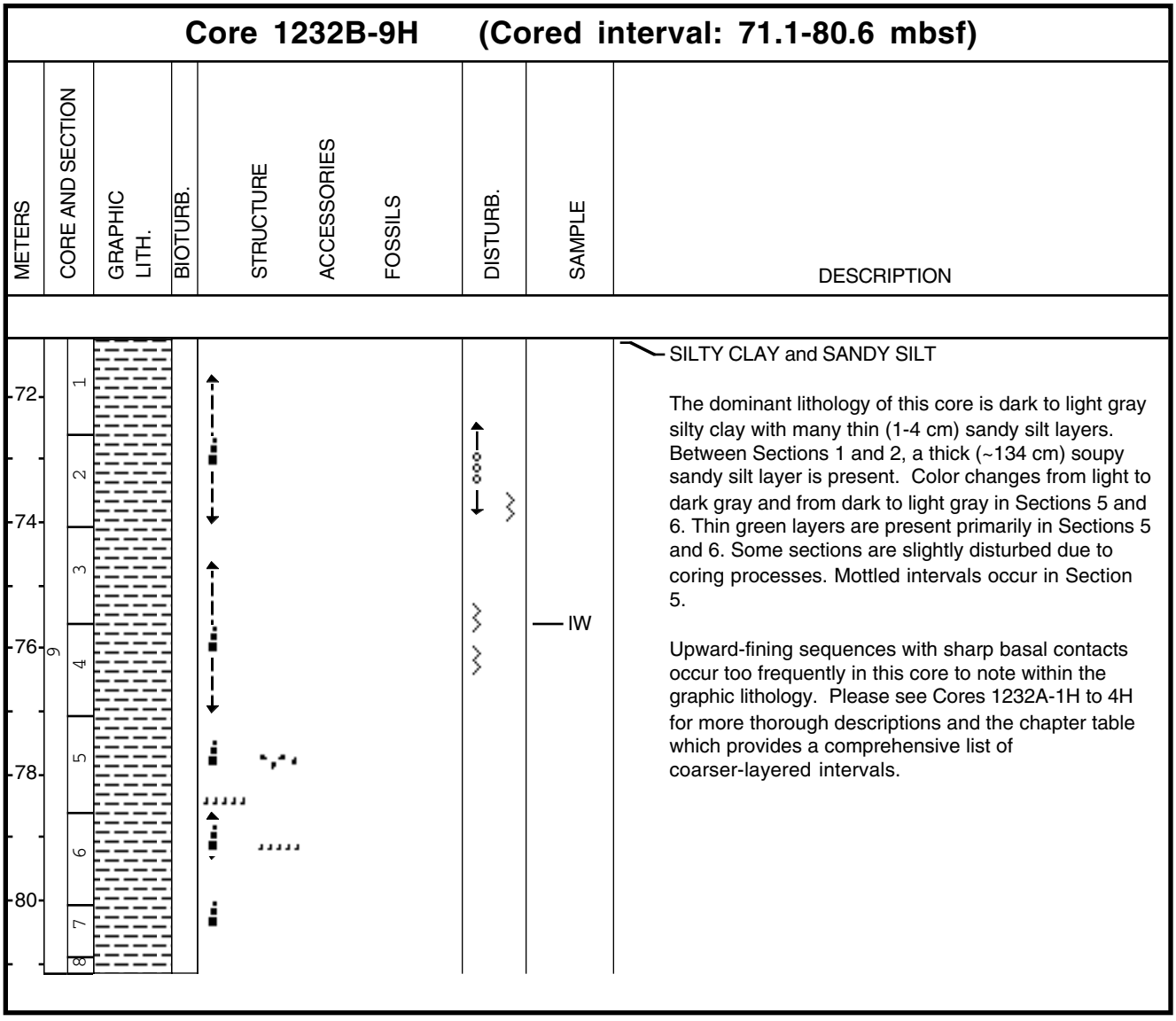
Core Photo


Core 1232B-7H (Cored interval: 56.6-66.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
58
60
62
64
66
7
1
2
3
4
5
6
7
8
IW
SILTY CLAY and SANDY SILT
The dominant lithology of this core is greenish gray silty clay with dark gray green fining-upward layers (4-10 per section). These layers range in thickness from 1-15 cm and generally have sharp basal contacts. In Sections 2 (10-29 cm), 3 (113-119 cm) and 4 (69-83 cm) disturbed intervals with color mottling occur.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

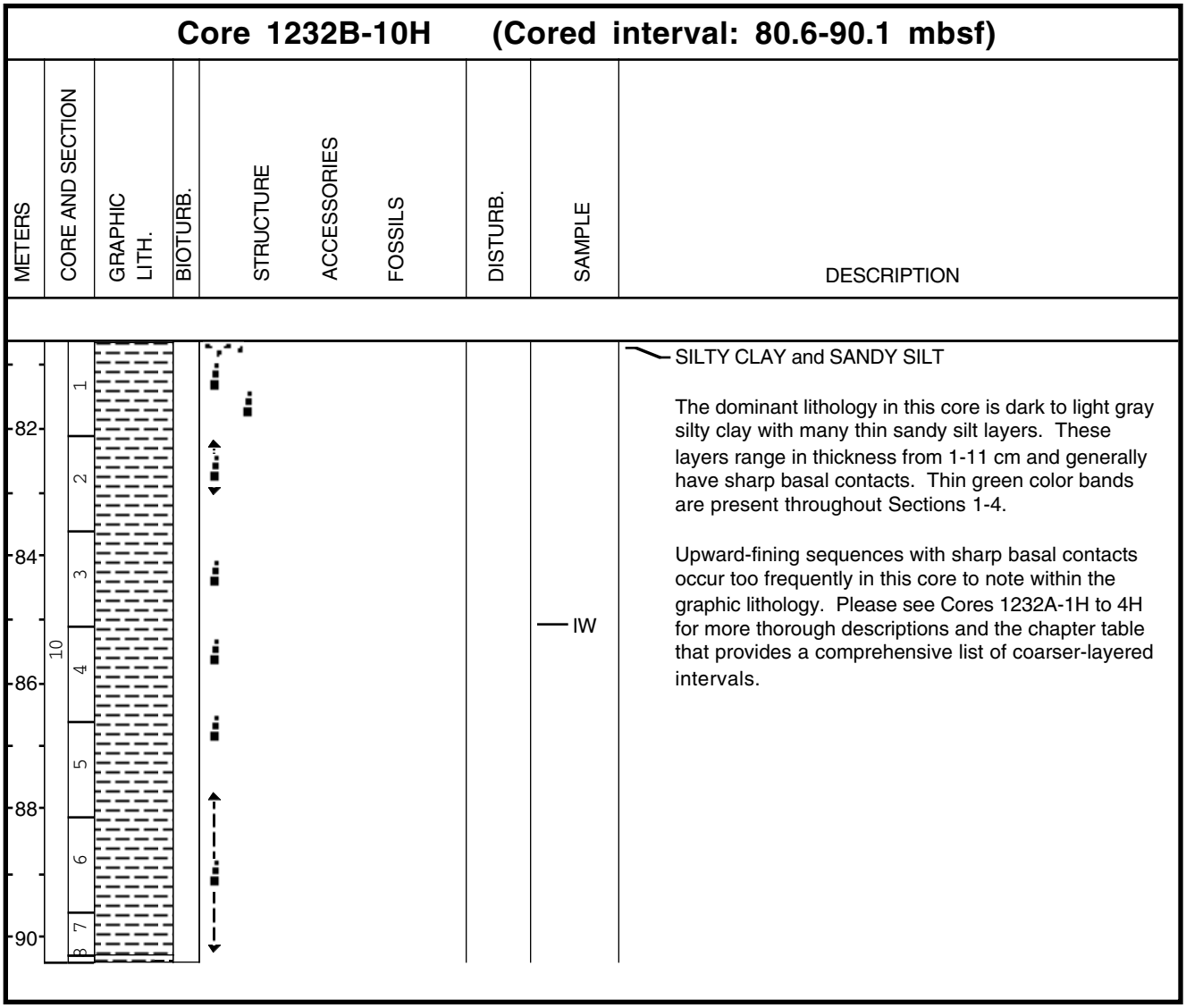
Core Photo


Core 1232B-8H (Cored interval: 66.1-71.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
68
70
72
74
8
1
2
3
4
5
6
IW
SILTY CLAY and SANDY SILT
The dominant lithology of this core is greenish gray silty clay with dark gray fining-upward layers (2-11 per section). These layers range in thickness from 1-6 cm and have generally sharp basal contacts. Moderately disturbed intervals occur in the upper part of Section 1, and the lower part of Section 5 (44-150 cm) and all of Section 6 are highly disturbed. Mottled intervals occur in Sections 3 and 4.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

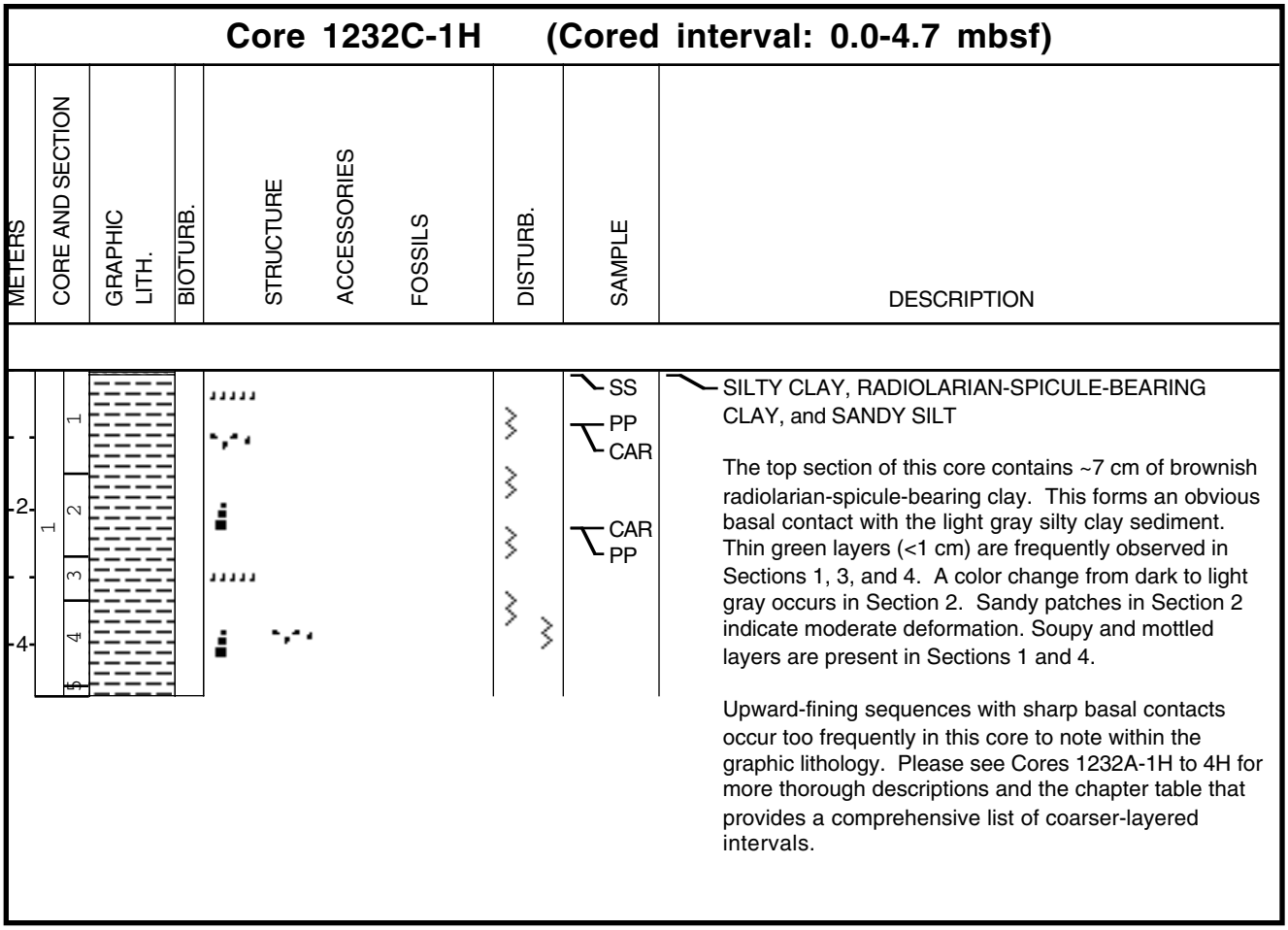
Core Photo


Core 1232B-9H (Cored interval: 71.1-80.6 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
72
74
76
78
80
9
1
2
3
4
5
6
7
8
IW
SILTY CLAY and SANDY SILT
The dominant lithology of this core is dark to light gray silty clay with many thin (1-4 cm) sandy silt layers. Between Sections 1 and 2, a thick (~134 cm) soupy sandy silt layer is present. Color changes from light to dark gray and from dark to light gray in Sections 5 and 6. Thin green layers are present primarily in Sections 5 and 6. Some sections are slightly disturbed due to coring processes. Mottled intervals occur in Section 5.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table which provides a comprehensive list of coarser-layered intervals.

Core Photo

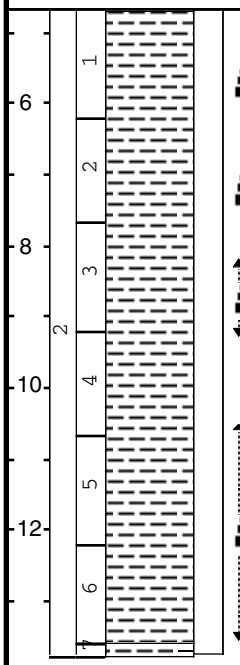

Core 1232B-10H (Cored interval: 80.6-90.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
82
84
86
88
90
10
1
2
3
4
5
6
7
CC
IW
SILTY CLAY and SANDY SILT
The dominant lithology in this core is dark to light gray silty clay with many thin sandy silt layers. These layers range in thickness from 1-11 cm and generally have sharp basal contacts. Thin green color bands are present throughout Sections 1-4.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo


Core 1232C-1H (Cored interval: 0.0-4.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
2
4
1
2
3
4
5
SS
PP
CAR
CAR
PP
SILTY CLAY, RADIOLARIAN-SPICULE-BEARING CLAY, and SANDY SILT
The top section of this core contains ~7 cm of brownish radiolarian-spicule-bearing clay. This forms an obvious basal contact with the light gray silty clay sediment. Thin green layers (<1 cm) are frequently observed in Sections 1, 3, and 4. A color change from dark to light gray occurs in Section 2. Sandy patches in Section 2 indicate moderate deformation. Soupy and mottled layers are present in Sections 1 and 4.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo

Core 1232C-2H (Cored interval: 4.7-14.2 mbsf)

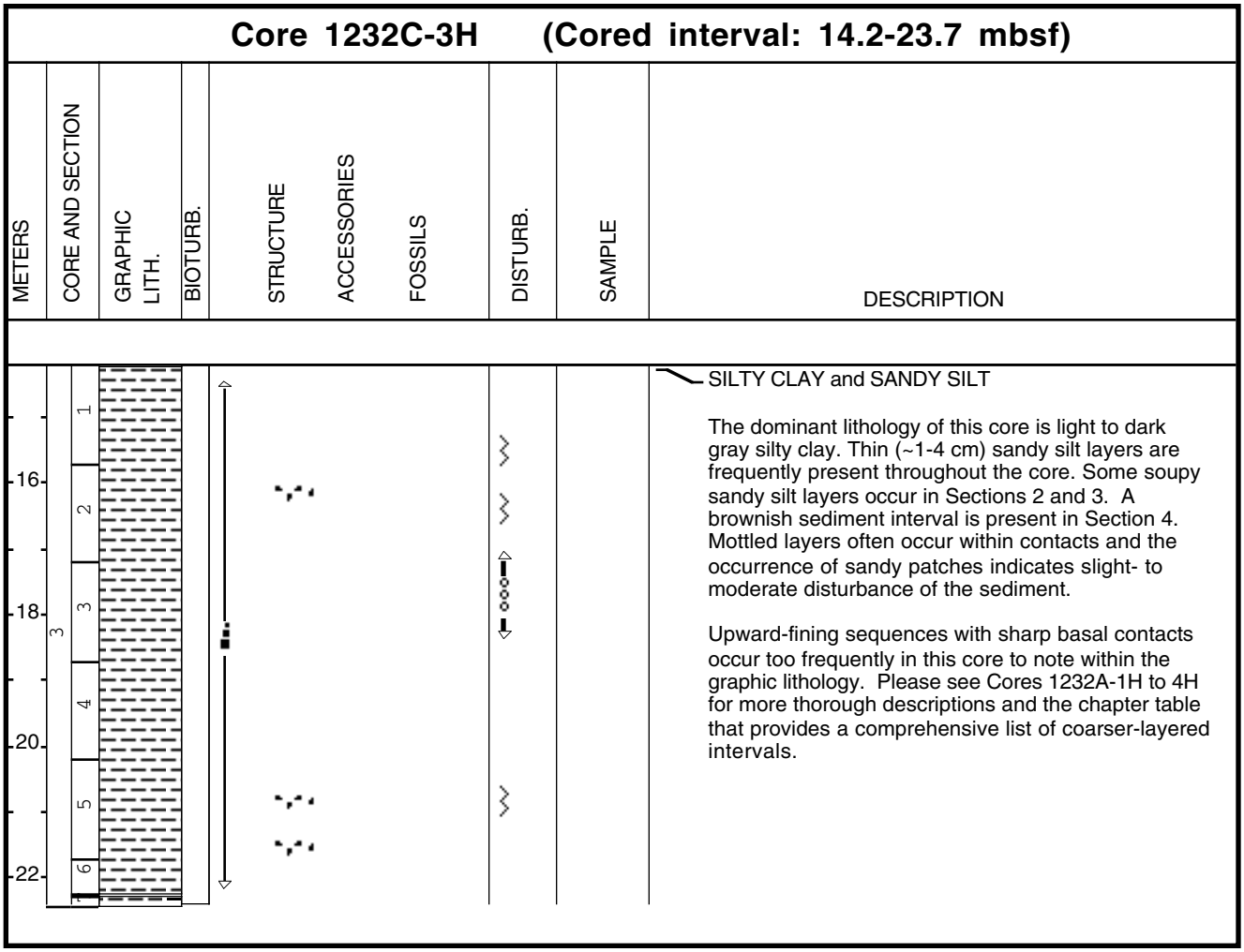


SILTY CLAY and SANDY SILT

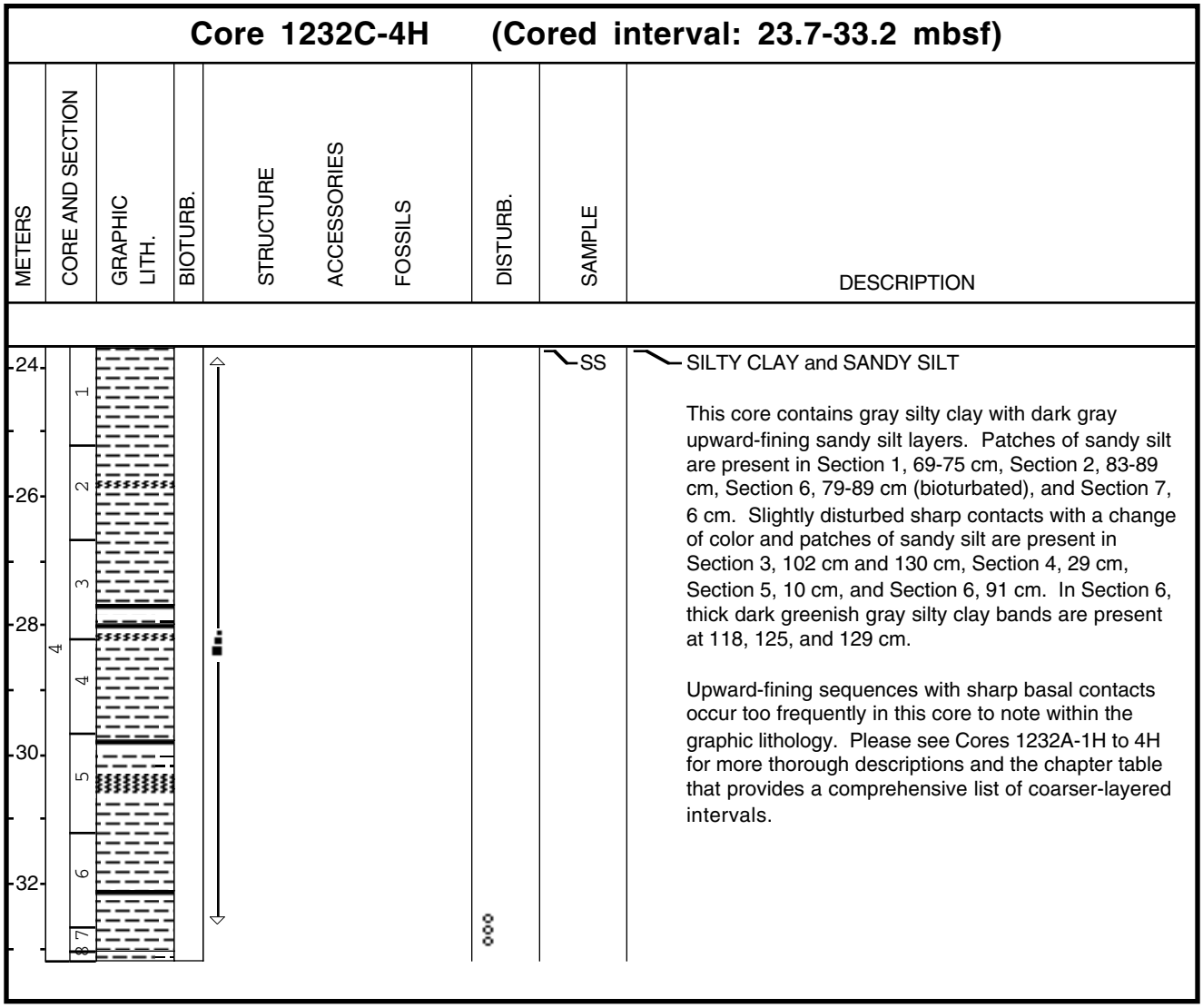
The dominant lithology of this core is medium gray silty clay with darker gray fining-upward layers (2-6 per section). These layers range in thickness from 1-11 cm and generally have sharp basal contacts. The core is moderately disturbed in minor intervals in Sections 3 (72-76 cm) and 4 (75-60 cm).

Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo


Core 1232C-3H (Cored interval: 14.2-23.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
16
18
20
22
3
1
2
3
4
5
6
SILTY CLAY and SANDY SILT
The dominant lithology of this core is light to dark gray silty clay. Thin (~1-4 cm) sandy silt layers are frequently present throughout the core. Some soupy sandy silt layers occur in Sections 2 and 3. A brownish sediment interval is present in Section 4. Mottled layers often occur within contacts and the occurrence of sandy patches indicates slight- to moderate disturbance of the sediment.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Core Photo


Core 1232C-4H (Cored interval: 23.7-33.2 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
24
26
28
30
32
4
1
2
3
4
5
6
7
SS
SILTY CLAY and SANDY SILT
This core contains gray silty clay with dark gray upward-fining sandy silt layers. Patches of sandy silt are present in Section 1, 69-75 cm, Section 2, 83-89 cm, Section 6, 79-89 cm (bioturbated), and Section 7, 6 cm. Slightly disturbed sharp contacts with a change of color and patches of sandy silt are present in Section 3, 102 cm and 130 cm, Section 4, 29 cm, Section 5, 10 cm, and Section 6, 91 cm. In Section 6, thick dark greenish gray silty clay bands are present at 118, 125, and 129 cm.
Upward-fining sequences with sharp basal contacts occur too frequently in this core to note within the graphic lithology. Please see Cores 1232A-1H to 4H for more thorough descriptions and the chapter table that provides a comprehensive list of coarser-layered intervals.

Sample					Texture				Mineral																							Biogenic							Rock		
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Clay Mineral (47)	Clinopyroxene (49)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Inorganic Calcite (97)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Palagonite (148)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Diatoms (58)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole A																																							
1	H	1	75	0.75	D	0	65	35	R	23		54						8		R	15	R				R	R								
1	H	3	75	3.76	D		15	85		82		10					R			R	2			R		2	R	2		R	2				
1	H	4	84	5.36	D		17	83	R	69		21					R	1	R		4	R		R		3	R	1		R					
1	H	4	94	5.46	D		9	91	R	82		16					R	R		R	R	R		R		2		R		R	R				
1	H	5	100	7.02	M		28	72	R	67	R	26		R						2	2	R		R		2					R				
1	H	5	114	7.16	M	3	83	14	R			58					R	19		4	8	R		12		R				R					
1	H	5	122	7.24	M	17	75	8	R		R	80					R	12	R	R	8	R		R		R							R	R	Plagioclase=Andesine
3	H	1	75	19.25	D		33	67	R	67		20						4		1	4			R		3	R	1		R	R				
3	H	2	95	20.94	D	2	16	82	R	72		22						3		R	1	R		R		1		R			R				
3	H	3	75	22.25	D		27	73	R	60		30						3		2	5	R		R		R					R				
4	H	1	75	27.75	D		38	62	R	61	R	30						1		1	4	R		R		2					R				
4	H	3	75	30.77	D	0	38	62	R	58	R	29					R	3	R		6			R		1		1		1			R		
4	H	4	90	32.45	M	0	23	77	R	66	R	13					R	7	R		4			R		3	R	4		3	1	R			
4	H	5	50	33.56	D	0	29	71	R	60	R	18					R	6	R		6			R		2	R	4		2	1	R			
5	H	6	119	45.28	M	40	40	20	1	20	R	68					4	3	R		4														Plagioclase=Andesine
5	H	7	26	45.86	D	0	23	77	R	74	R	15					R	4	R		4			R		R	R	3		R	R				
6	H	1	75	46.75	D	0	29	71	1	67	R	20					3	4	R		4					R		1		R	R				
6	H	3	75	49.78	D	0	33	67	2	60	R	24					4	2	R		6			R		R		1		R					
7	H	1	75	56.25	D	0	23	77	1	71	R	19					1	3	R		3			1		R		R		R	R				
7	H	3	121	59.72	M	81	19		R		R	35					R	23	R	R	7	R		35											Plagioclase=Labradorite
7	H	4	75	60.78	D	0	17	83	2	75	R	7					2	3	R	3	2	3		2		4				2	R				
7	H	5	82	62.36	M	57	43		R		R	60						24	R	R	16	R		R											Plagioclase=Labradorite
8	H	1	75	65.75	D	7	23	70	R	63	R	15						6	R	2	4	R		2		4		4		R					
8	H	3	75	68.77	D		16	84	R	77	R	11		R			R	3	R	2	3	R		R		5				R	R				
8	H	3	100	69.02	D		33	67	R	65	R	26						1		1	4	R		R		1		1			R	R	R		
8	H	4	35	69.88	D		6	94	R	72	R	7		R			R	4	R	2	3	R		R		7				R	4	R			
8	H	5	147	72.52	M	86	14		R		R	57					R	23	R	5	16	R		R		R						R			Plagioclase=Labradorite
9	H	1	75	75.25	D			100	R	36		R									R					R	7	57							
9	H	3	75	78.26	D		17	83	R	78	R	11						2	R	3	3	R		R		2		R			2	R			
9	H	5	114	81.67	M	40	60	0	R		2	71						17	R	5	5	R		R										R	
10	H	1	75	84.75	D	0	23	77	R	77	R	15					R	3	R	R	3					2					R				
10	H	3	75	87.78	M	9	36	55	2	58	R	19					2	6	R	6	6			2											
10	H	5	60	90.66	D	0	17	83	R	79	R	16					R	2	R	2	2			R		R				R	R				
11	H	1	75	94.25	D	0	23	77	R	77	R	15					R	3	R	2	3			R		R		R		R	R				
11	H	3	75	97.26	D	0	23	77	R	77	R	15					R	3	R		3			2		R		R		R	R				
11	H	3	122	97.73	M	14	86	0	3		R	63					3	9	R	6	9			6											From brownish “turbidite”
11	H	5	73.5	100.27	M	0	20	80	R	30	R	6						1	R	R	1			1				60							Sample comes from a nodule
12	H	1	75	103.75	D	0	23	77	R	75	R	15					R	3	R	1	4			1		R				R	R				Plagioclase=Labradorita
12	H	3	75	106.78	D	0	23	77	R	74	R	15					R	3	R	R	3			1		R		4		R					
12	H	4	121	108.76	D	0	43	57	1	55	R	27					1	4	R	1	7			3		R		R		R	R				
12	H	5	45	109.52	M	0	20	80	R	25	R	4					R	1	R	R	1			1		3		63		3	R				Sample comes from brownish nodule
13	X	1	75	113.25	D	2	18	80	R	70	R	20					1	1	R		2			1		3		2							Fixed sample
13	X	2	48	114.48	D	0	20	80	1	75		18					1	1			2			R											
13	X	3	75	116.25	D	5	30	65	1	60	R	27		R			1	1	R		3			1		3	R	2							Fixed sample
13	X	3	96	116.46	M	10	30	60		25		10					R				1			R		R		60			R				taken in diffuse mottled light brown sediment

Sample					Texture				Mineral																													Biogenic									Rock		
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Clay Mineral (47)	Clinopyroxene (49)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Inorganic Calcite (97)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Palagonite (148)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Diatoms (58)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole A (continued)																																														
13	X	5	114	119.67	M	25	60	15	3	15	1	65	R		R		3	5	1	R	5			5											Very base of graded layer
15	X	1	75	131.65	D		17	83	R	27	R	36						9		R				18		R					R													
16	X	1	75	141.35	D		23	77	R	66	R	26	R	R			R	3	R	1	1	R		1		1					R	R												
16	X	1	75	141.35	D		23	77	R	66	R	26	R	R			R	3	R	1	1	R		1		1					R	R												
16	X	2	89	142.99	D		3	97	R	77	R	5		R			R	5	R	3		R		3		8		R	R	R	R	R												
18	X	1	75	160.65	D	1	28	71	1	68	1	20	R	R			R		R	3	4	R		3		R		R			R												
18	X	2	126	162.66	M	58	35	7		7	R	R					R	2						91				R																
18	X	3	75	163.66	D		19	81	R	60		10					R	4	R	4	4	R		2		6	R	6			4	R												
18	X	4	94	165.35	D		17	83		88		6						3				R		3		R	R	3			R													
19	X	1	75	170.25	D		33	67	R	63	R	21					R	4	R	4	4	R		4		R																		
19	X	2	75	171.76	D		12	88	R	58		12					R	8		4	4	R		8		4		4			R												
20	X	3	66	182.86	M	67	33		R		R	39		R			R	17		17	28	R		R	R																			
20	X	3	75	182.95	D	3	21	76	R	63	R	21					R	R		4	4			8		R		R		R		R	R										
20	X	3	75	182.95	D	5	24	71		56	R	28					R	3	R	3	6			3		3		R					R											
21	X	1	75	189.55	D		57	43	R	43	R	29		R			R	9	R	3	14	R		3	R	R					R												
21	X	3	75	192.54	M	10	45	45	R	40	4	28					R	12		4	8	R		4		R		R		R	R		R										
22	X	1	50	198.6	D		2	98	R	48	R	1					R	1	R	R	R	R		R		1	R	48		R	1	R											
22	X	1	75	198.85	D	2	11	87	R	30	R	3						2			R			R		1	R	63		R	R	R											
22	X	3	75	201.86	D		33	67	R	60	R	14	R				R	4	R	2	10	R		6	R	2					2												
23	X	1	75	208.45	D		25	75	R	77	R	13					R	R	R	R	3	R		3		R				R													
23	X	3	75	211.45	D	0	12	88	R	79	R	8		R			R	3		R	3	R		R		5	R	R		R	2												
24	X	1	75	218.05	D	0	19	81	R	73	R	7					R	5		5	2	R		2		2	R	2		R	R												
25	X	1	75	227.65	D	0	33	67	1	46	R	15		R			R	3			3			R		R		31		R	R												
25	X	3	75	230.62	D	0	40	60	R	58	R	29		R			R	4	R	2	4			R				4		R	R												
26	X	1	75	237.25	D	0	29	71	R	68		20	R					3	R	R	3			1				4		R	R												
26	X	3	75	240.22	D	0	23	77	R	77		15		R			R	3	R	R	4			R				3		R													
26	X	5	19	242.66	M	0	20	80	R	26		4						1	R		R			R		R		65		3	1												some aggregates of nanno-ooze
27	X	1	75	246.85	D	0	25	75	R	75	R	20		R		R	R		R		R							R														
27	X	3	75	249.84	D	0	22	78	2	75		18		R			1			R	1																							greenish silt mineral ~5% euhedral mod relief
27	X	4	96	251.55	M	5	85	10	5	10	R	70		R			2	8	R		2			1																			well sorted 40-50 cm silt
28	X	1	75	256.45	D		27	73	8	68	R	17	R	R			R	R	R	3	2	R		2		R					R												
28	X	3	75	259.42	D			100	R	52	R			R		R	R	R		R	R			2		42	R	R		R	2	2											
28	X	4	20	260.36	D	5	5	90	R	33	R	R				R	2	5		R		R		R		5	3	50		R	2	R											
29	X	1	75	266.05	D	13	77	10	R	15	R	38		R		R	8	15	R	R	15	R	R	R	R	R	8	R															
29	X	3	75	269.04	D	2	20	78	2	80	R	10				R	R	4	R	R	6	R	R	R		R		R		R	R												
30	X	1	75	275.75	D	2	23	75	R	72	R	14					R	3	R	3	7	R	R	R	R	R																	
30	X	3	75	278.75	D		33	67	R	60	R	22		R			R	4	R	1	7	R	R	1	R	3					R												
31	X	1	75	285.45	D	0	25	75	7	70		15			R	R		5		R	R			R																			
31	X	3	75	288.44	M	81	19		14		R	41		R			R	14	R	5	27	R	R	R	R							R	R											Plagioclase= Andesine
32	X	1	75	295.05	D	0	17	83	2	85	R	8			R		R	2	R	R	2			2						R	R												
32	X	3	75	298.04	D	0	40	60	2	61	R	31			R		R	2	R	R	4			R		R		R		R	R												
33	X	1	75	304.65	D	2	24	74	2	63	R	16					R	5	R	3	5	R	R	2	R	R	2	3	R	R			R											
33	X	3	75	307.67	D	0	29	71	R	71	R	21			R		R	1	R	R	3			1		1				R	R												
34	X	1	75	314.25	D	9	36	55	2	50	R	25					2	5	R	2	8			2		R		2		3	R												
34	X	3	75	317.25	D	12	53	35	2	42	R	32	R				2	4	R	2	15			R		R		R		R													
34	X	3	116.5	317.67	M	0	50	50	R	14	R	10						1	R		1			71				1		R												Mainly sand-sized volcanic glass

Sample					Texture				Mineral																				Biogenic							Rock		
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Clay Mineral (47)	Clinopyroxene (49)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Inorganic Calcite (97)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Palagonite (148)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Diatoms (58)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole A (continued)																																					
34	X	3	134	317.84	M	0	9	91	R	91	R	5					R	2	R	R	2			R		R		R		R						Aggregates of clayey material
34	X	5	66	320.17	M	0	9	91	R	88	R	5					R	2	R	R	2			R		R		4		R						Aggregates of clayey material
38	X	2	116	354.67	M	0	18	82	R	80		17					R	2																		
Hole B																																					
1	H	1	60	0.6	D	0	17	83	R	83	R	12					R	2	R	R	2			2		R	R	R		R						
1	H	1	75	0.75	M	0	25	75	R	57	R	13					R	4	R	R	4			R		9		9		2	2					
1	H	3	75	3.76	D	0	15	85	R	74		9					R	2	R	R	2			R		6		6		2	R					
2	H	1	75	9.85	D	6	35	59	1	62	R	25					1	4	R	R	6			1												
2	H	3	75	12.83	D	4	32	64	1	66	R	20	R				R	3	R	1	7			3							R					
3	H	1	75	19.35	D	0	17	83	R	82	R	11			R		R	2	R	R	2			R		R		3		R	R					
3	H	1	111.5	19.72	M	0	25	75	R	46	R	11	R				R	1	R	R	1			38		R		1		R	R					from brownish sediment
3	H	3	75	22.37	M	18	73	9	2	12	2	58			R		R	5	R	7	12			2												
4	H	1	75	28.85	D		20	80	5	67	R	12		R		R	R	3	R	2	5	R		R		3		2			2					
4	H	3	75	31.86	D	1	25	74	5	70		20			R		R	1			R			R		2		R								
6	H	1	54	47.64	M		16	84	R	14	R	3	R				R	6		R	3			R	R	R	6	71			R					
Hole C																																					
1	H	1	0	0	D	2	9	89	1	75	R	7					R	1		R	1			R		1		1	1	4	4	R				