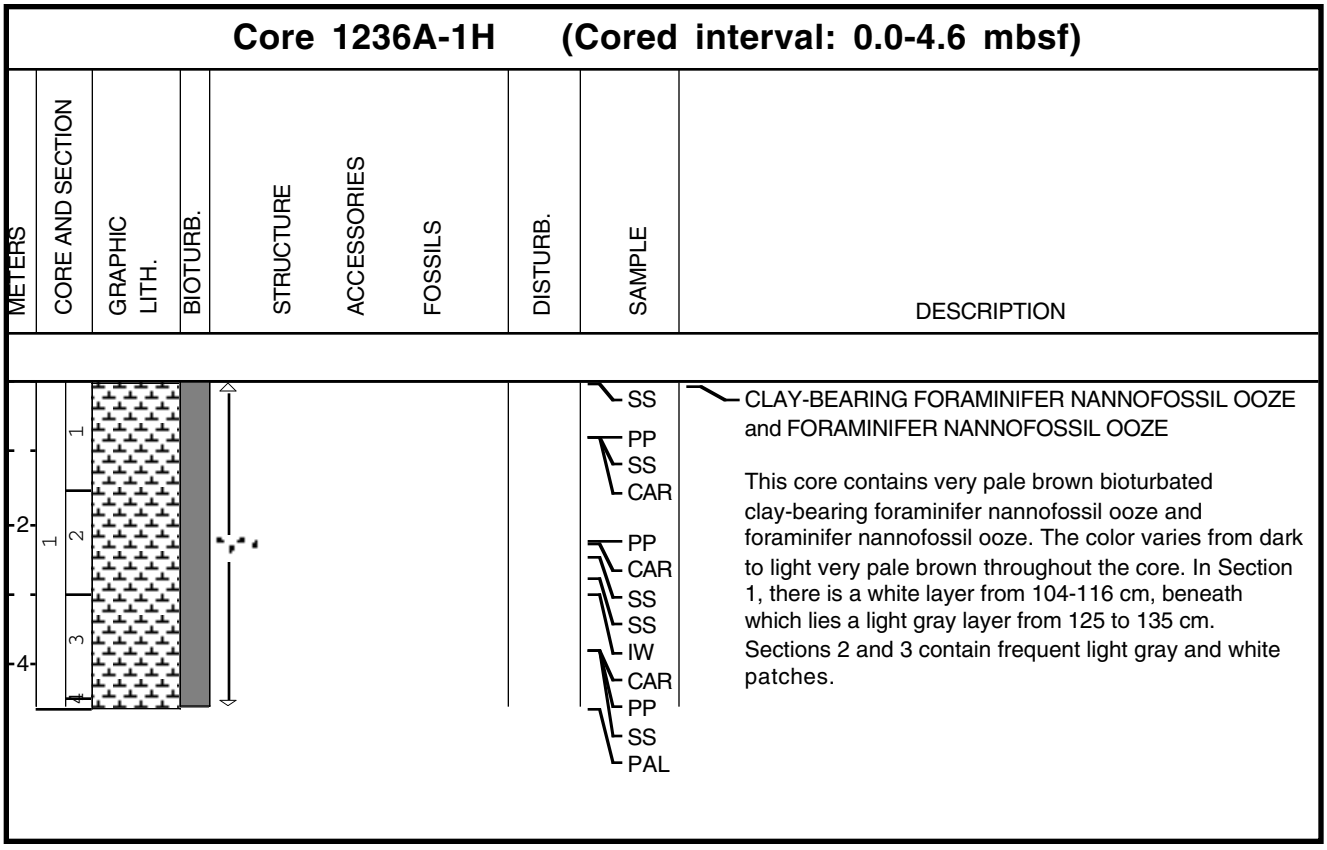
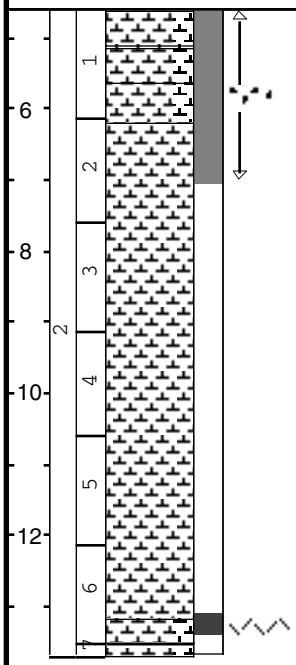
Core Photo


Core 1236A-1H (Cored interval: 0.0-4.6 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
2
4
1
2
3
4
SS
PP
SS
CAR
PP
CAR
SS
SS
IW
CAR
PP
SS
PAL
CLAY-BEARING FORAMINIFER NANNOFOSSIL OOZE and FORAMINIFER NANNOFOSSIL OOZE
This core contains very pale brown bioturbated clay-bearing foraminifer nannofossil ooze and foraminifer nannofossil ooze. The color varies from dark to light very pale brown throughout the core. In Section 1, there is a white layer from 104-116 cm, beneath which lies a light gray layer from 125 to 135 cm. Sections 2 and 3 contain frequent light gray and white patches.

Core Photo

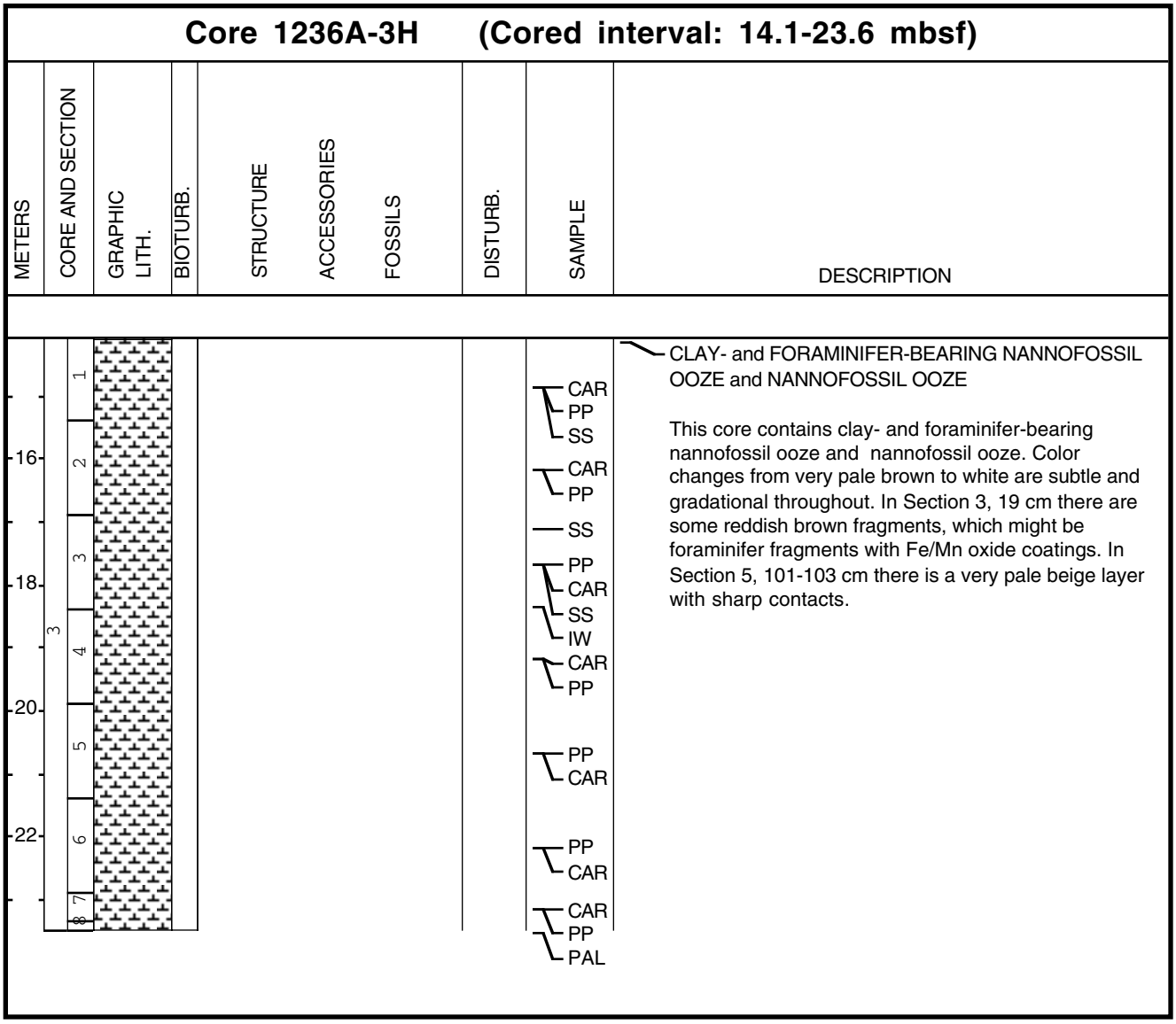
Core 1236A-2H (Cored interval: 4.6-14.1 mbsf)



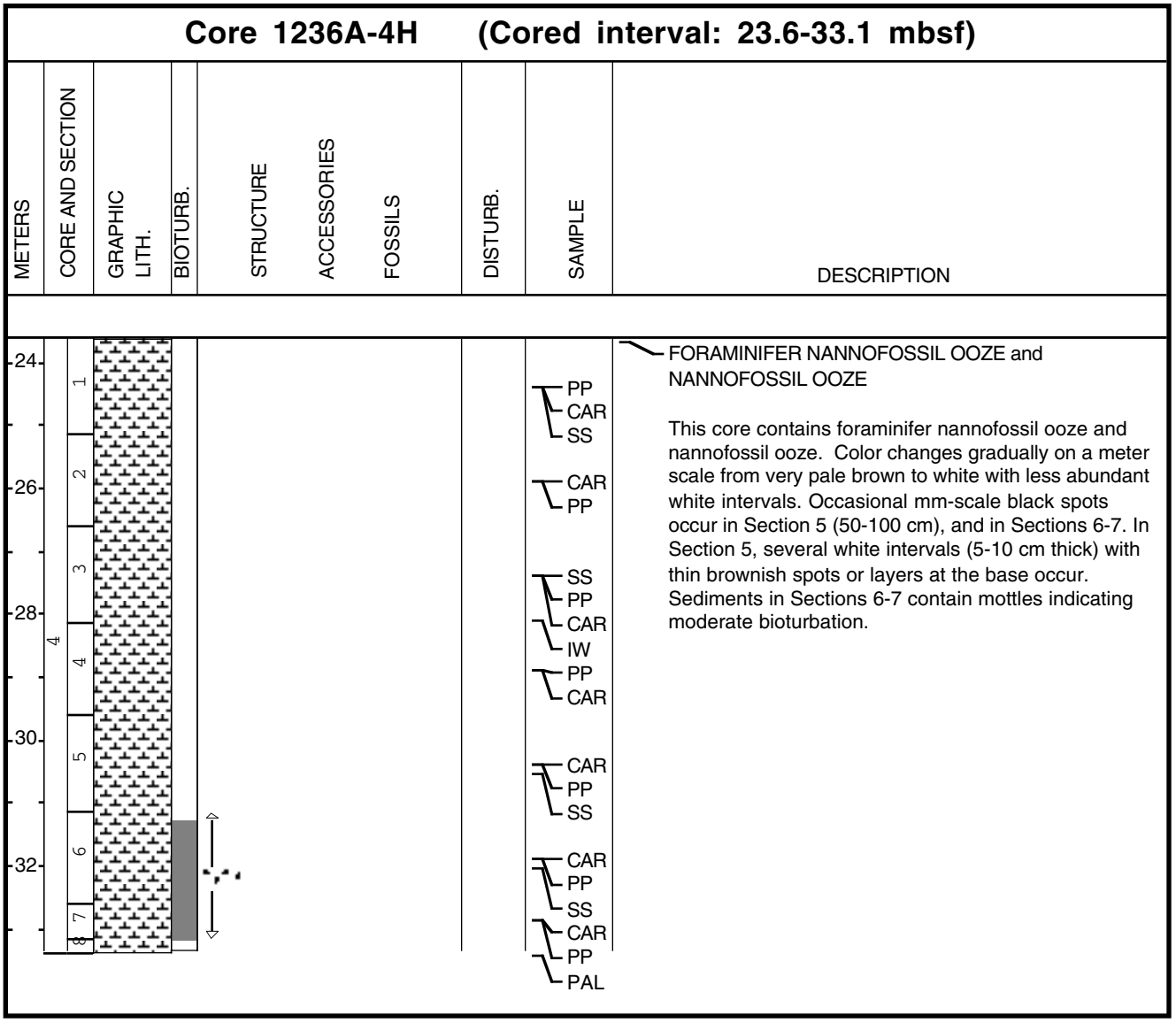
CLAY-BEARING FORAMINIFER NANNOFOSSIL OOZE and CLAY- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE

This core contains both clay-bearing foraminifer nannofossil ooze and clay- and foram-bearing nannofossil ooze with abundant white and light gray patches. There is a gradational change from very pale brown to white downcore. Section 1 begins as very pale brown sediment, grading to very pale brown mottled with light gray from 53-101 cm. This layer contains vitric foramifer nannofossil ooze, but no distinct ash layer was observed. Below 101 cm, the sediment is white. There is an interval of very pale brown mottled with light gray in Section 2 between 10 and 112 cm. Beyond 112 cm the sediment is white until Section 6 where there is an interval of darker (pale brown) sediment from 102-128 cm. This interval contains an ash layer with a basal depth of 128 cm that fades in color up to 102 cm, which is most likely due to bioturbation.

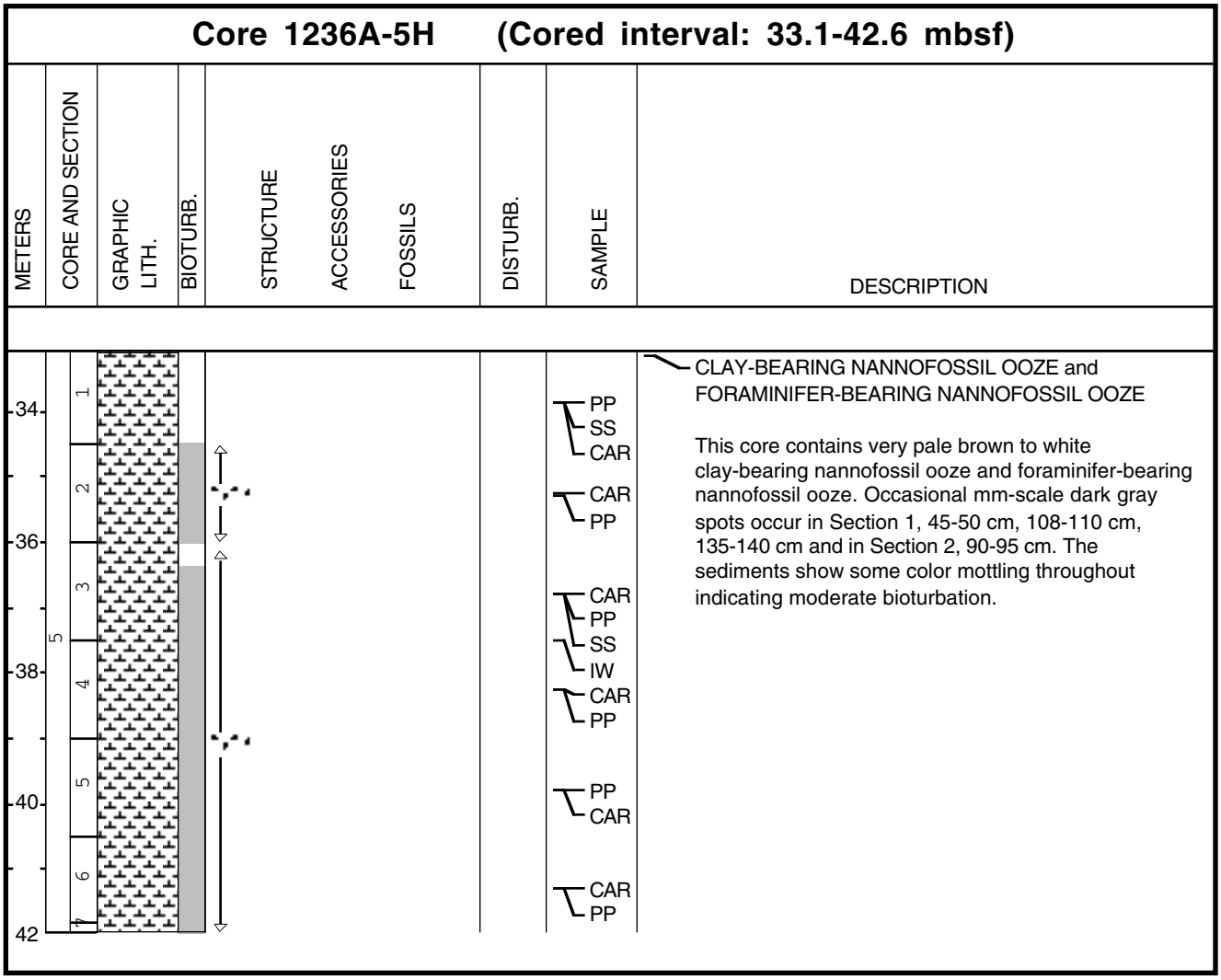
Core Photo


Core 1236A-3H (Cored interval: 14.1-23.6 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
7
CAR
PP
SS
CAR
PP
SS
PP
CAR
SS
IW
CAR
PP
PP
CAR
PP
CAR
CAR
PP
PAL
CLAY- and FORAMINIFER-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains clay- and foraminifer-bearing nannofossil ooze and nannofossil ooze. Color changes from very pale brown to white are subtle and gradational throughout. In Section 3, 19 cm there are some reddish brown fragments, which might be foraminifer fragments with Fe/Mn oxide coatings. In Section 5, 101-103 cm there is a very pale beige layer with sharp contacts.

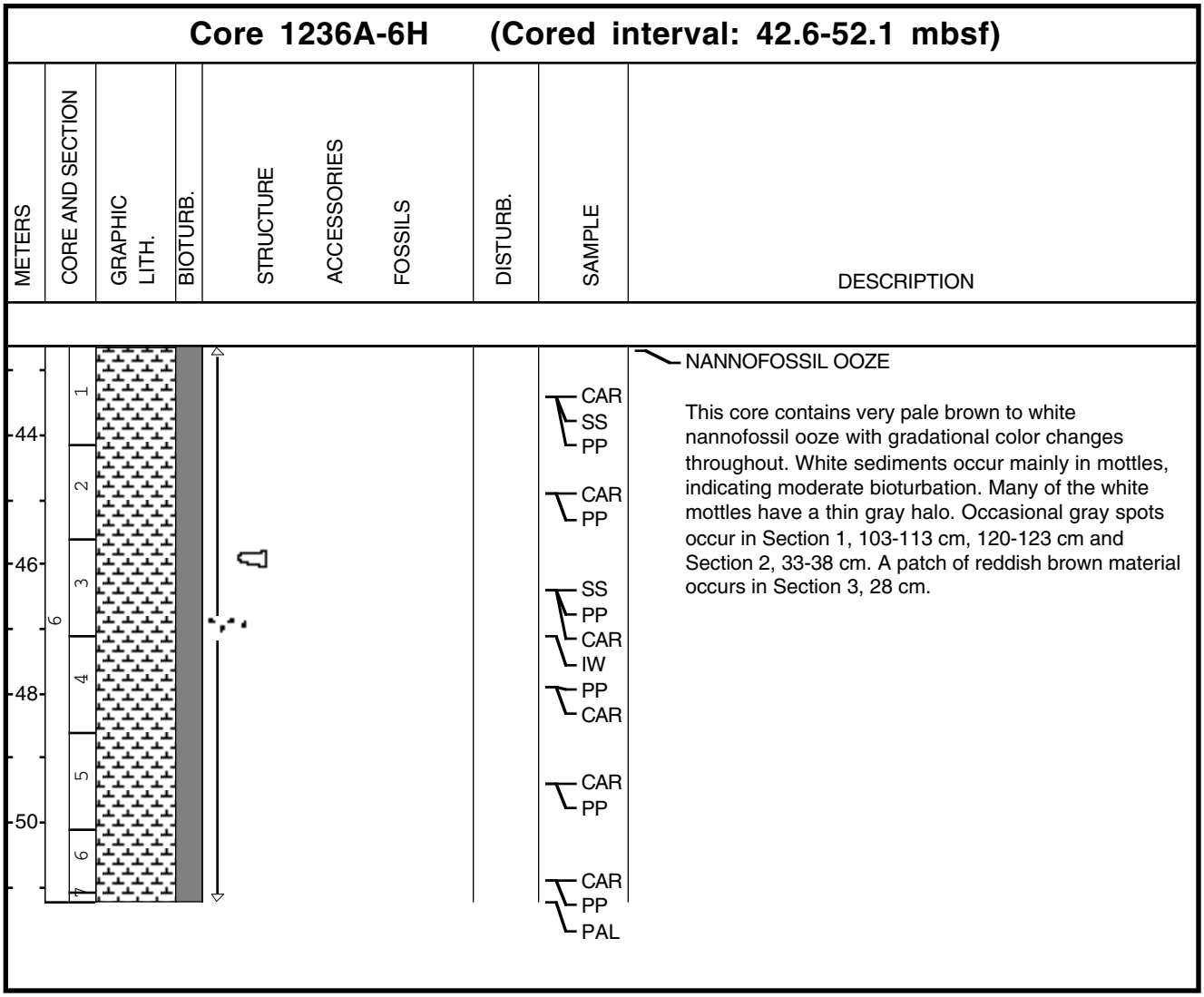
Core Photo


Core 1236A-4H (Cored interval: 23.6-33.1 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
8
PP
CAR
SS
CAR
PP
SS
PP
CAR
IW
PP
CAR
CAR
PP
SS
CAR
PP
SS
CAR
PP
PAL
FORAMINIFER NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains foraminifer nannofossil ooze and nannofossil ooze. Color changes gradually on a meter scale from very pale brown to white with less abundant white intervals. Occasional mm-scale black spots occur in Section 5 (50-100 cm), and in Sections 6-7. In Section 5, several white intervals (5-10 cm thick) with thin brownish spots or layers at the base occur. Sediments in Sections 6-7 contain mottles indicating moderate bioturbation.

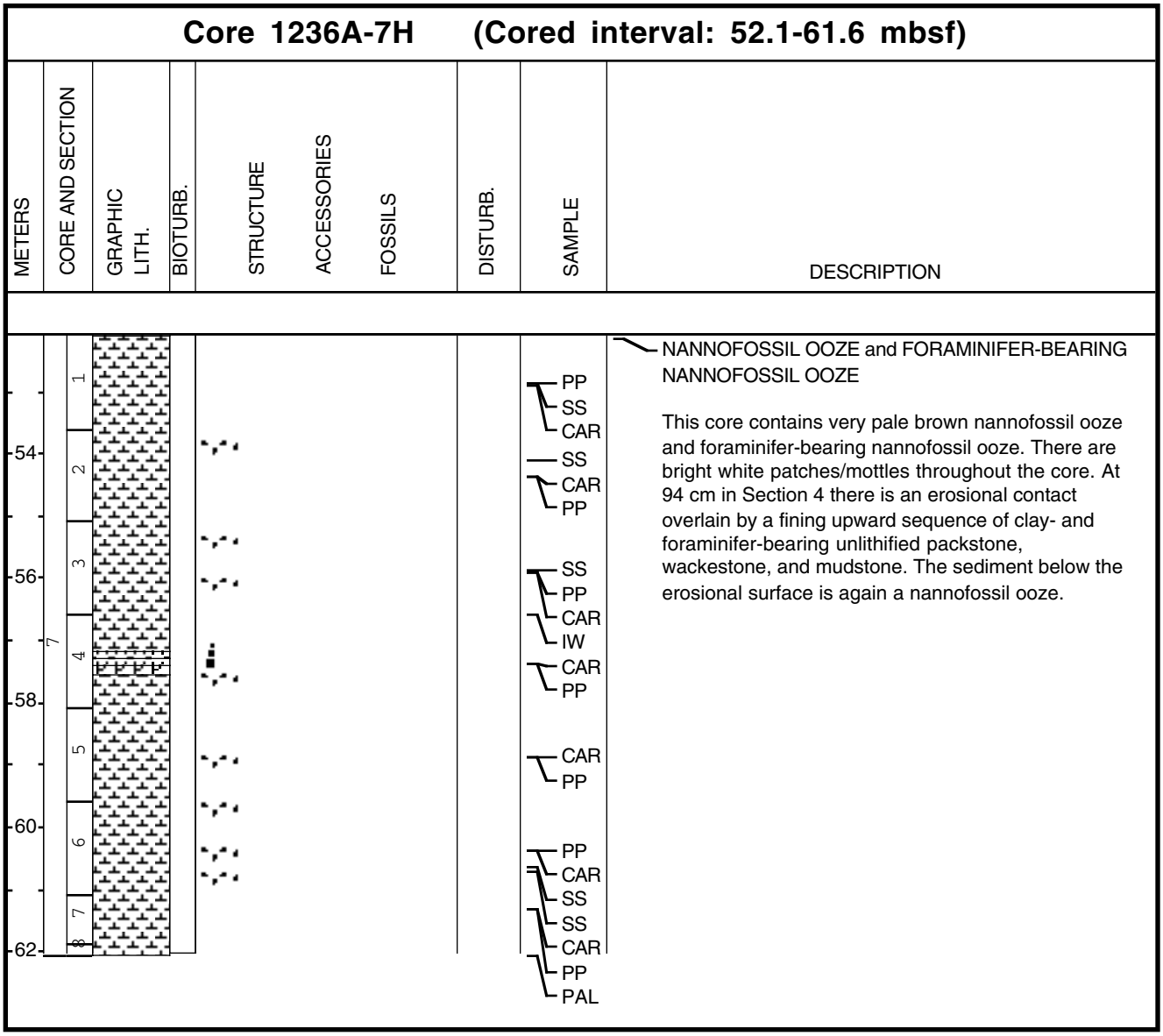
Core Photo


Core 1236A-5H (Cored interval: 33.1-42.6 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
34
36
38
40
42
5
1
2
3
4
5
6
7
PP
SS
CAR
CAR
PP
CAR
PP
SS
IW
CAR
PP
PP
CAR
CAR
PP
CLAY-BEARING NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains very pale brown to white clay-bearing nannofossil ooze and foraminifer-bearing nannofossil ooze. Occasional mm-scale dark gray spots occur in Section 1, 45-50 cm, 108-110 cm, 135-140 cm and in Section 2, 90-95 cm. The sediments show some color mottling throughout indicating moderate bioturbation.

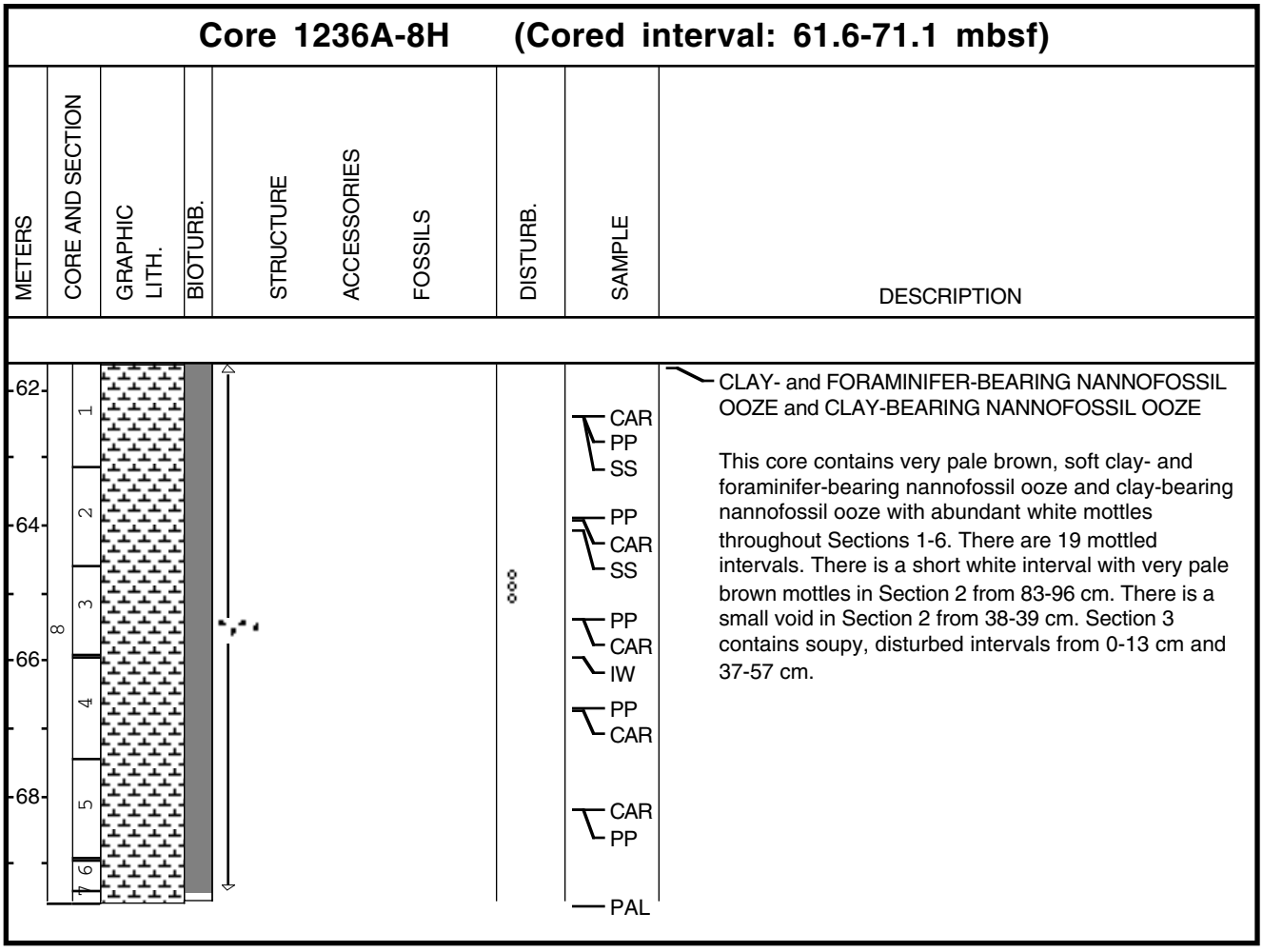
Core Photo


Core 1236A-6H (Cored interval: 42.6-52.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
44
46
48
50
6
1
2
3
4
5
6
7
CAR
SS
PP
CAR
PP
SS
PP
CAR
IW
PP
CAR
CAR
PP
CAR
PP
PAL
NANNOFOSSIL OOZE
This core contains very pale brown to white nannofossil ooze with gradational color changes throughout. White sediments occur mainly in mottles, indicating moderate bioturbation. Many of the white mottles have a thin gray halo. Occasional gray spots occur in Section 1, 103-113 cm, 120-123 cm and Section 2, 33-38 cm. A patch of reddish brown material occurs in Section 3, 28 cm.

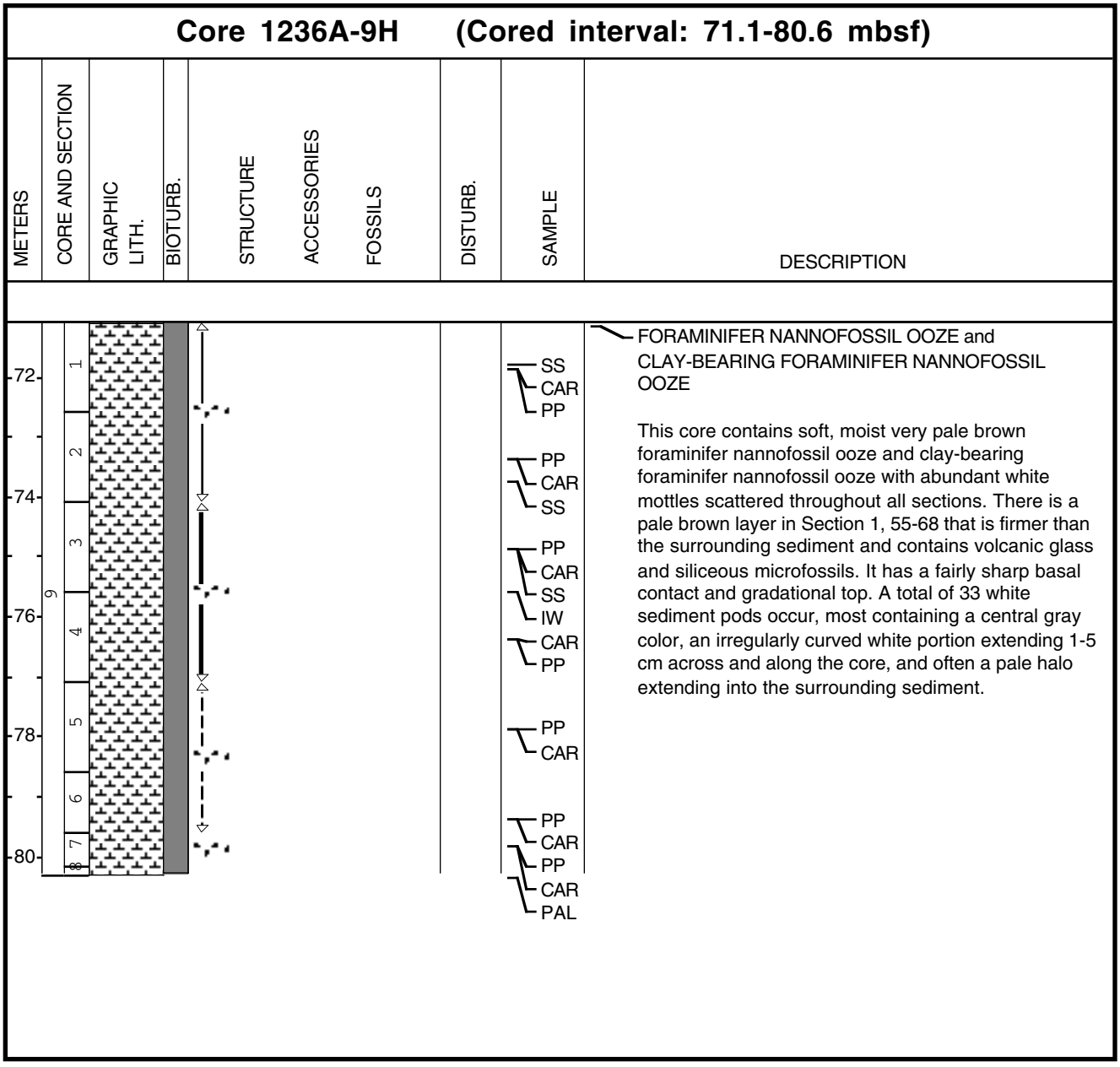
Core Photo


Core 1236A-7H (Cored interval: 52.1-61.6 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
54
56
58
60
62
7
1
2
3
4
5
6
7
8
PP
SS
CAR
SS
CAR
PP
SS
PP
CAR
IW
CAR
PP
CAR
PP
PP
CAR
SS
SS
CAR
PP
PAL
NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains very pale brown nannofossil ooze and foraminifer-bearing nannofossil ooze. There are bright white patches/mottles throughout the core. At 94 cm in Section 4 there is an erosional contact overlain by a fining upward sequence of clay- and foraminifer-bearing unlithified packstone, wackestone, and mudstone. The sediment below the erosional surface is again a nannofossil ooze.

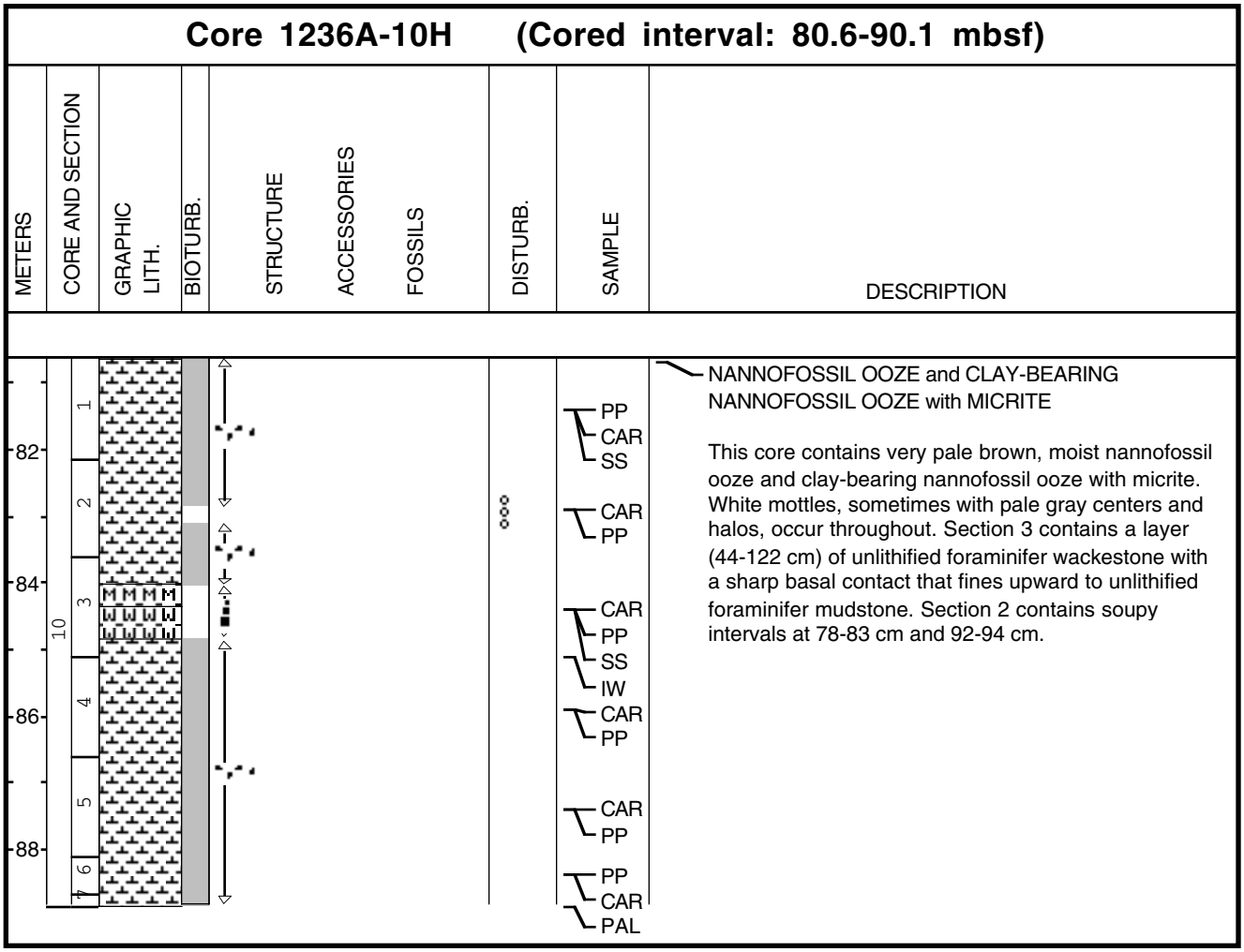
Core Photo


Core 1236A-8H (Cored interval: 61.6-71.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
62
64
66
68
8
1
2
3
4
5
6
7
CAR
PP
SS
PP
CAR
SS
PP
CAR
IW
PP
CAR
CAR
PP
PAL
CLAY- and FORAMINIFER-BEARING NANNOFOSSIL OOZE and CLAY-BEARING NANNOFOSSIL OOZE
This core contains very pale brown, soft clay- and foraminifer-bearing nannofossil ooze and clay-bearing nannofossil ooze with abundant white mottles throughout Sections 1-6. There are 19 mottled intervals. There is a short white interval with very pale brown mottles in Section 2 from 83-96 cm. There is a small void in Section 2 from 38-39 cm. Section 3 contains soupy, disturbed intervals from 0-13 cm and 37-57 cm.

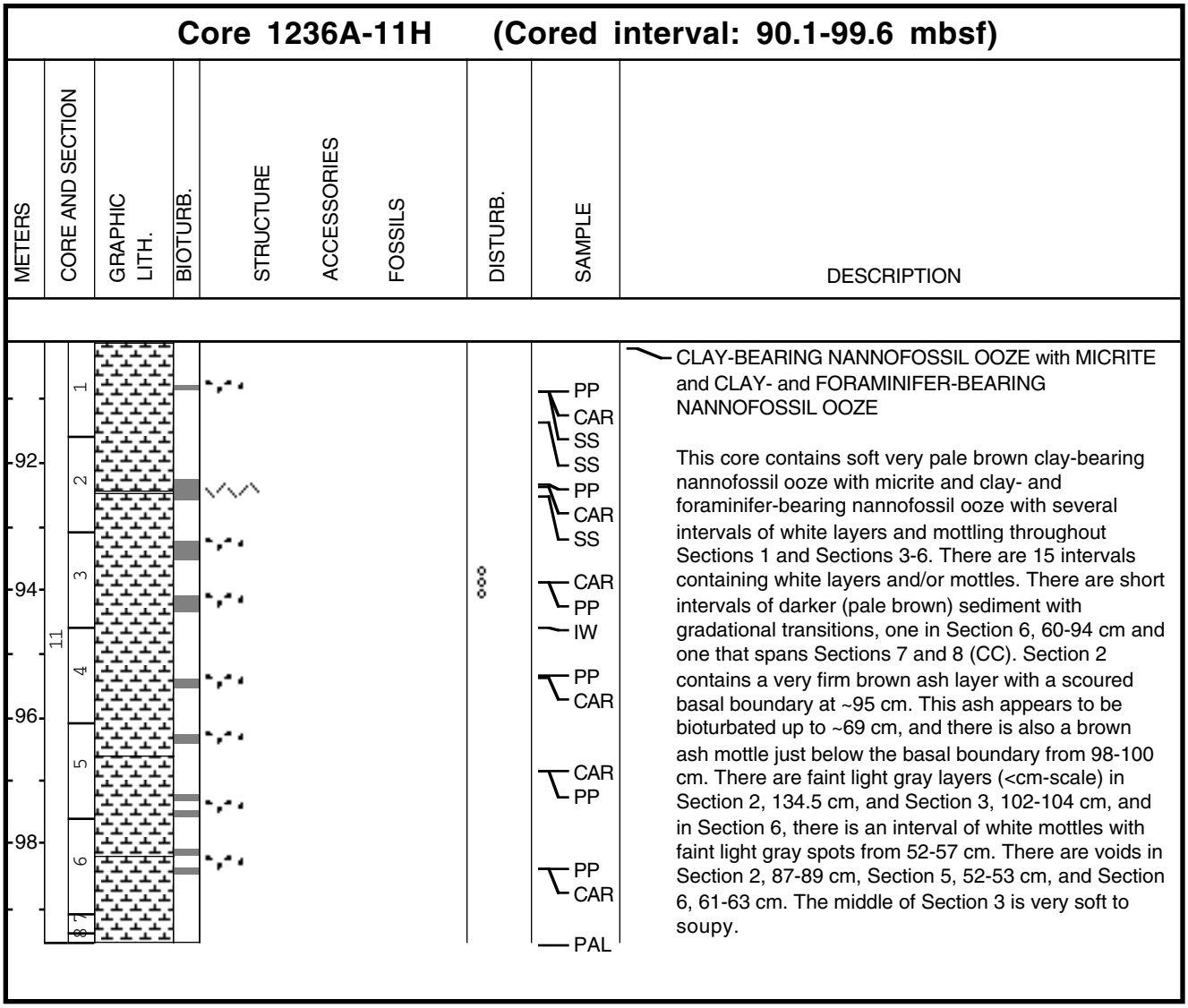
Core Photo


Core 1236A-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
SS
CAR
PP
PP
CAR
SS
PP
CAR
SS
IW
CAR
PP
PP
CAR
PP
CAR
PP
CAR
PAL
FORAMINIFER NANNOFOSSIL OOZE and CLAY-BEARING FORAMINIFER NANNOFOSSIL OOZE
This core contains soft, moist very pale brown foraminifer nannofossil ooze and clay-bearing foraminifer nannofossil ooze with abundant white mottles scattered throughout all sections. There is a pale brown layer in Section 1, 55-68 that is firmer than the surrounding sediment and contains volcanic glass and siliceous microfossils. It has a fairly sharp basal contact and gradational top. A total of 33 white sediment pods occur, most containing a central gray color, an irregularly curved white portion extending 1-5 cm across and along the core, and often a pale halo extending into the surrounding sediment.

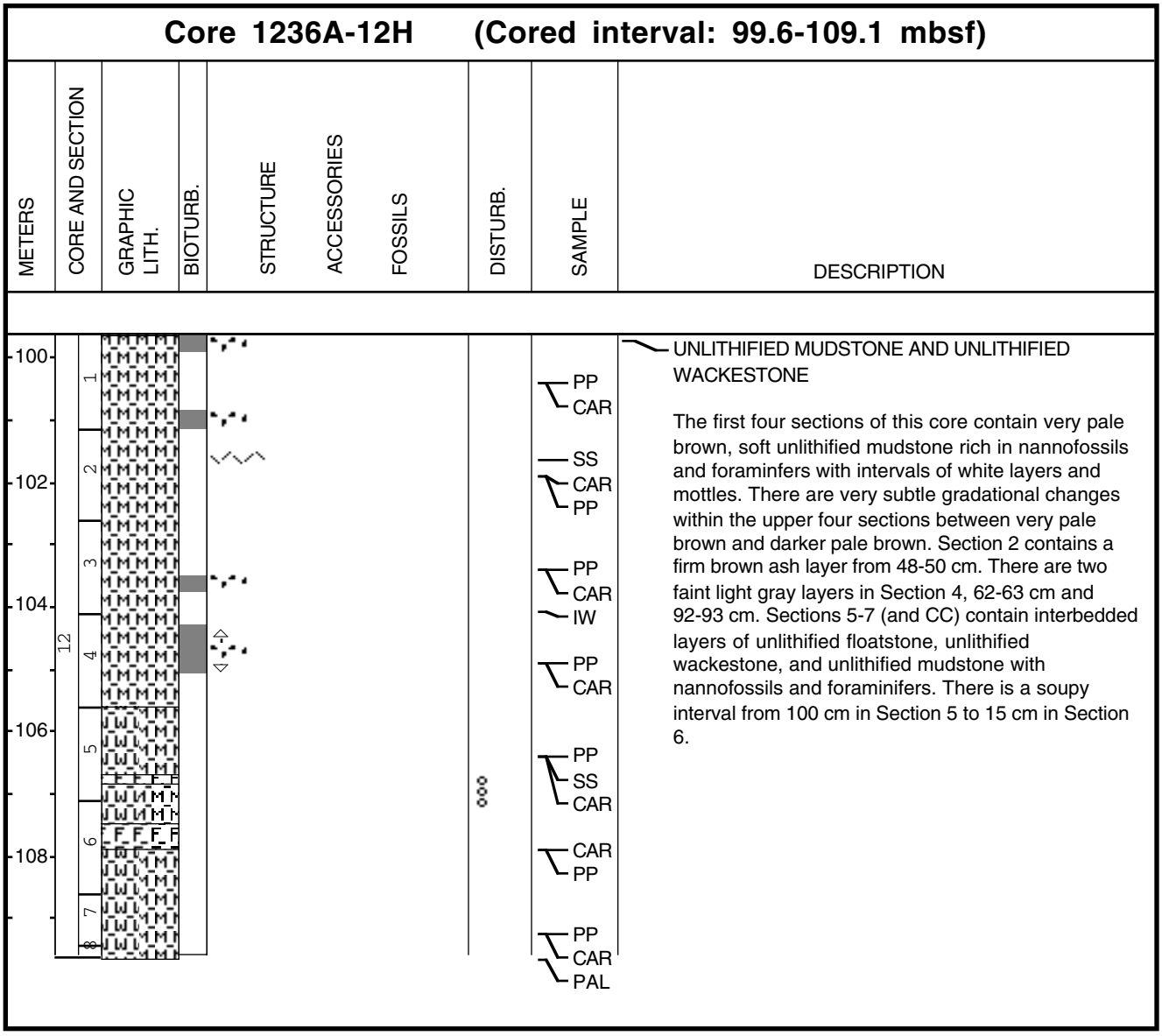
Core Photo


Core 1236A-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
10
1
2
3
4
5
6
PP
CAR
SS
CAR
PP
CAR
PP
SS
IW
CAR
PP
CAR
PP
PP
CAR
PAL
NANNOFOSSIL OOZE and CLAY-BEARING NANNOFOSSIL OOZE with MICRITE
This core contains very pale brown, moist nannofossil ooze and clay-bearing nannofossil ooze with micrite. White mottles, sometimes with pale gray centers and halos, occur throughout. Section 3 contains a layer (44-122 cm) of unlithified foraminifer wackestone with a sharp basal contact that fines upward to unlithified foraminifer mudstone. Section 2 contains soupy intervals at 78-83 cm and 92-94 cm.

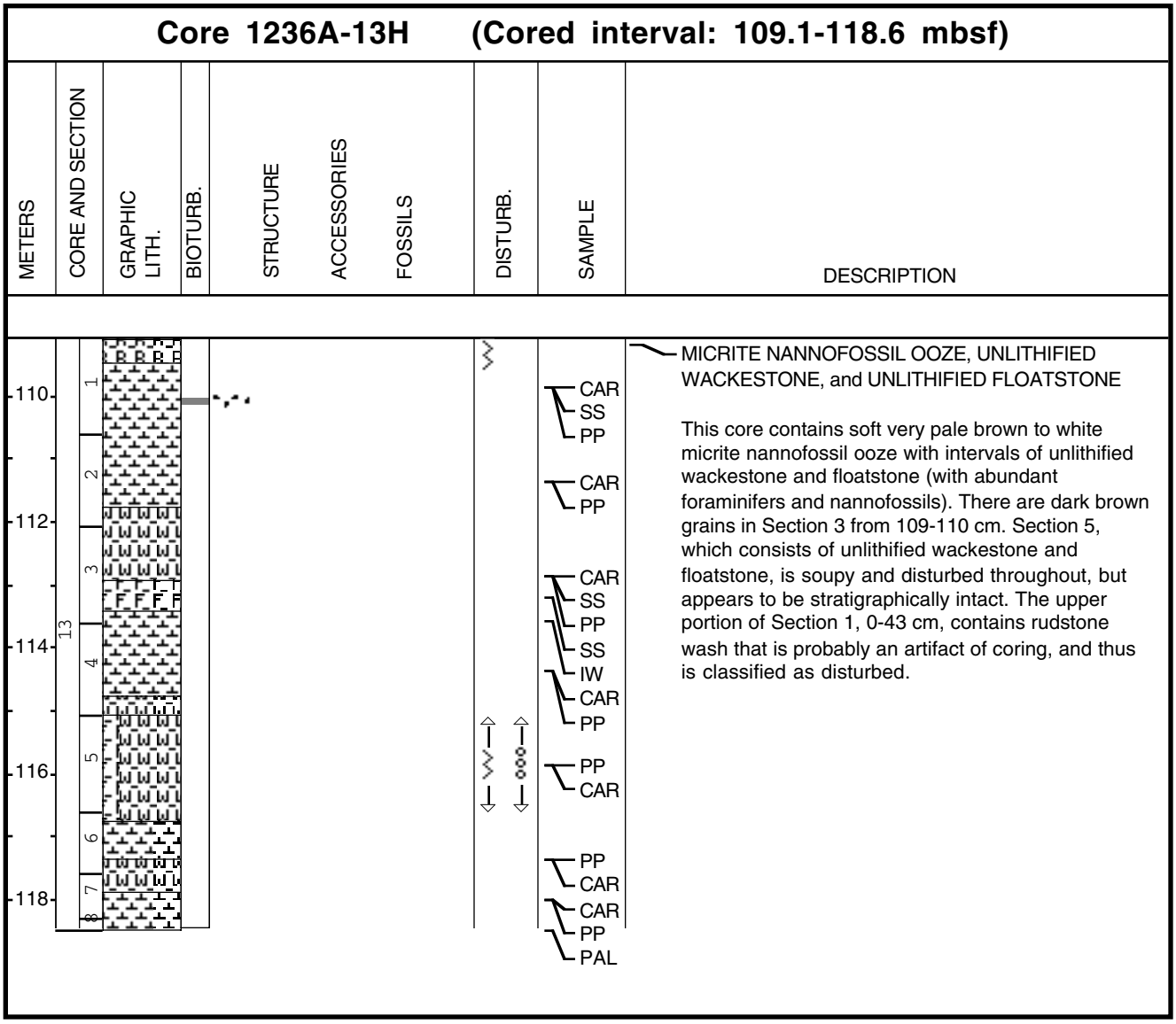
Core Photo


Core 1236A-11H (Cored interval: 90.1-99.6 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
92
94
96
98
11
1
2
3
4
5
6
7
CC
PP
CAR
SS
SS
PP
CAR
SS
CAR
PP
IW
PP
CAR
CAR
PP
PP
CAR
PAL
CLAY-BEARING NANNOFOSSIL OOZE with MICRITE and CLAY- and FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains soft very pale brown clay-bearing nannofossil ooze with micrite and clay- and foraminifer-bearing nannofossil ooze with several intervals of white layers and mottling throughout Sections 1 and Sections 3-6. There are 15 intervals containing white layers and/or mottles. There are short intervals of darker (pale brown) sediment with gradational transitions, one in Section 6, 60-94 cm and one that spans Sections 7 and 8 (CC). Section 2 contains a very firm brown ash layer with a scoured basal boundary at ~95 cm. This ash appears to be bioturbated up to ~69 cm, and there is also a brown ash mottle just below the basal boundary from 98-100 cm. There are faint light gray layers (<cm-scale) in Section 2, 134.5 cm, and Section 3, 102-104 cm, and in Section 6, there is an interval of white mottles with faint light gray spots from 52-57 cm. There are voids in Section 2, 87-89 cm, Section 5, 52-53 cm, and Section 6, 61-63 cm. The middle of Section 3 is very soft to soupy.

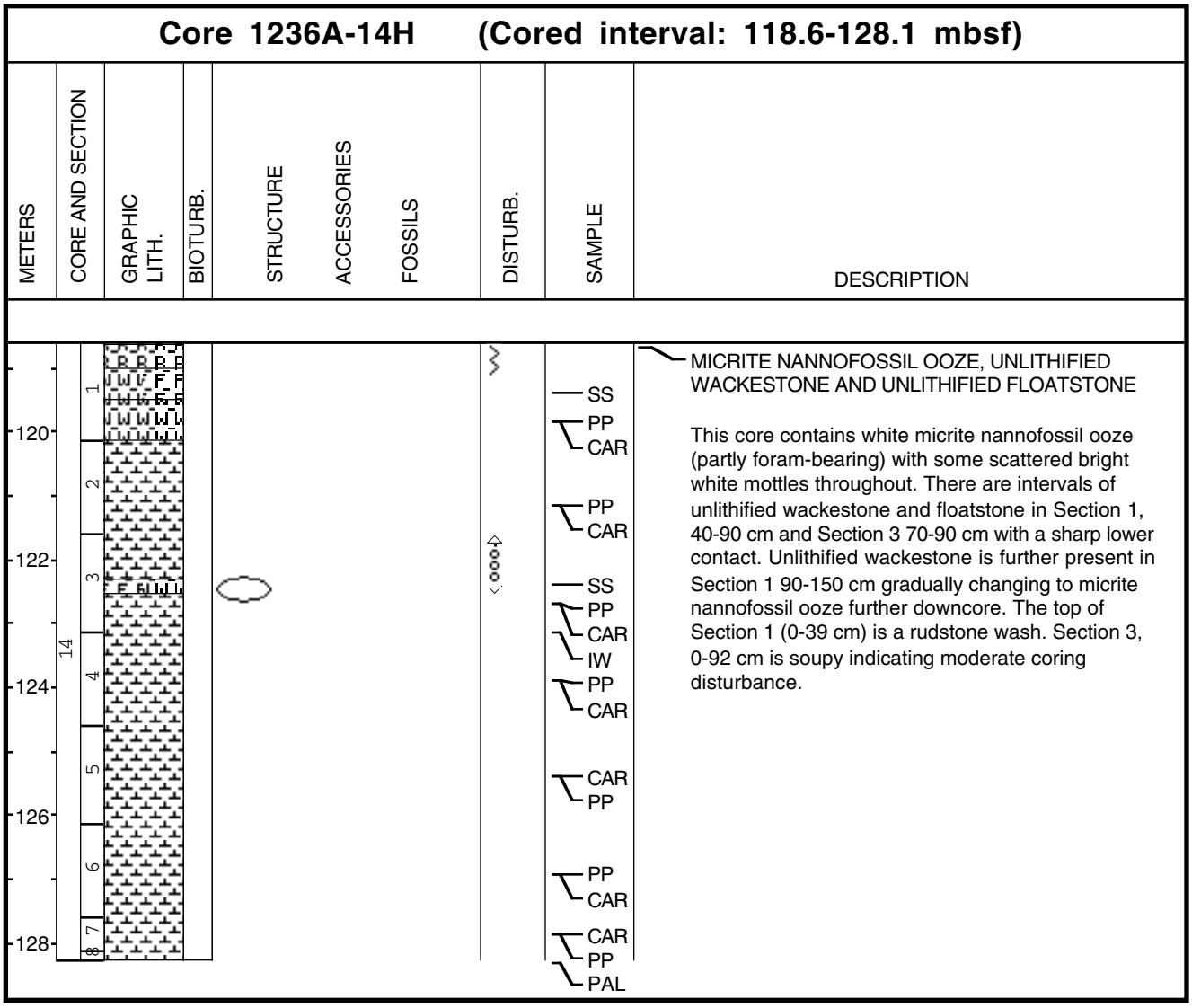
Core Photo


Core 1236A-12H (Cored interval: 99.6-109.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
100
102
104
106
108
12
1
2
3
4
5
6
7
8
PP
CAR
SS
CAR
PP
PP
CAR
IW
PP
CAR
PP
SS
CAR
CAR
PP
PP
CAR
PAL
UNLITHIFIED MUDSTONE AND UNLITHIFIED WACKESTONE
The first four sections of this core contain very pale brown, soft unlithified mudstone rich in nannofossils and foraminfers with intervals of white layers and mottles. There are very subtle gradational changes within the upper four sections between very pale brown and darker pale brown. Section 2 contains a firm brown ash layer from 48-50 cm. There are two faint light gray layers in Section 4, 62-63 cm and 92-93 cm. Sections 5-7 (and CC) contain interbedded layers of unlithified floatstone, unlithified wackestone, and unlithified mudstone with nannofossils and foraminifers. There is a soupy interval from 100 cm in Section 5 to 15 cm in Section 6.

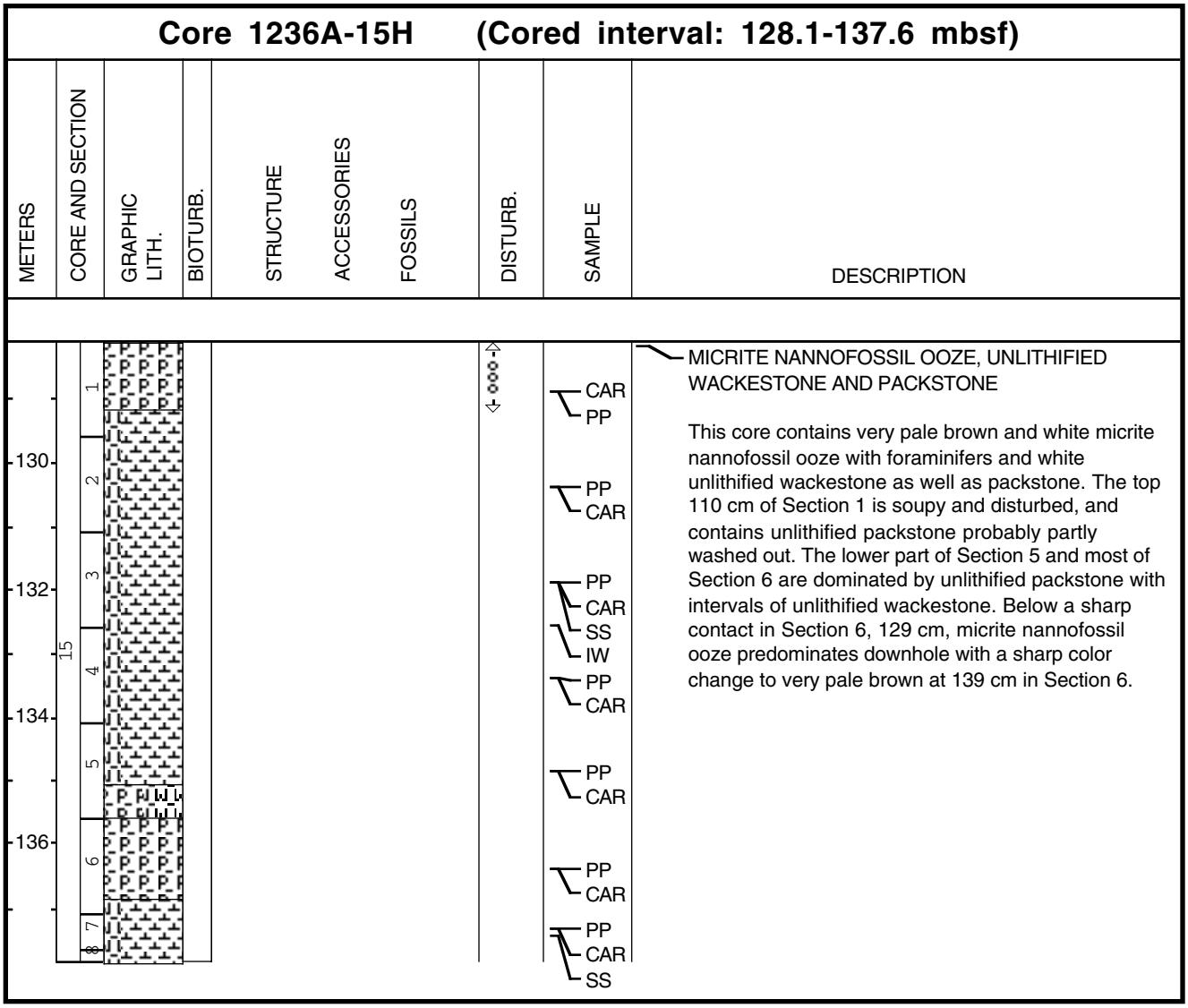
Core Photo


Core 1236A-13H (Cored interval: 109.1-118.6 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
110
112
114
116
118
13
1
2
3
4
5
6
7
CAR
SS
PP
CAR
PP
CAR
SS
PP
SS
IW
CAR
PP
PP
CAR
PP
CAR
CAR
PP
PAL
MICRITE NANNOFOSSIL OOZE, UNLITHIFIED WACKESTONE, and UNLITHIFIED FLOATSTONE
This core contains soft very pale brown to white micrite nannofossil ooze with intervals of unlithified wackestone and floatstone (with abundant foraminifers and nannofossils). There are dark brown grains in Section 3 from 109-110 cm. Section 5, which consists of unlithified wackestone and floatstone, is soupy and disturbed throughout, but appears to be stratigraphically intact. The upper portion of Section 1, 0-43 cm, contains rudstone wash that is probably an artifact of coring, and thus is classified as disturbed.

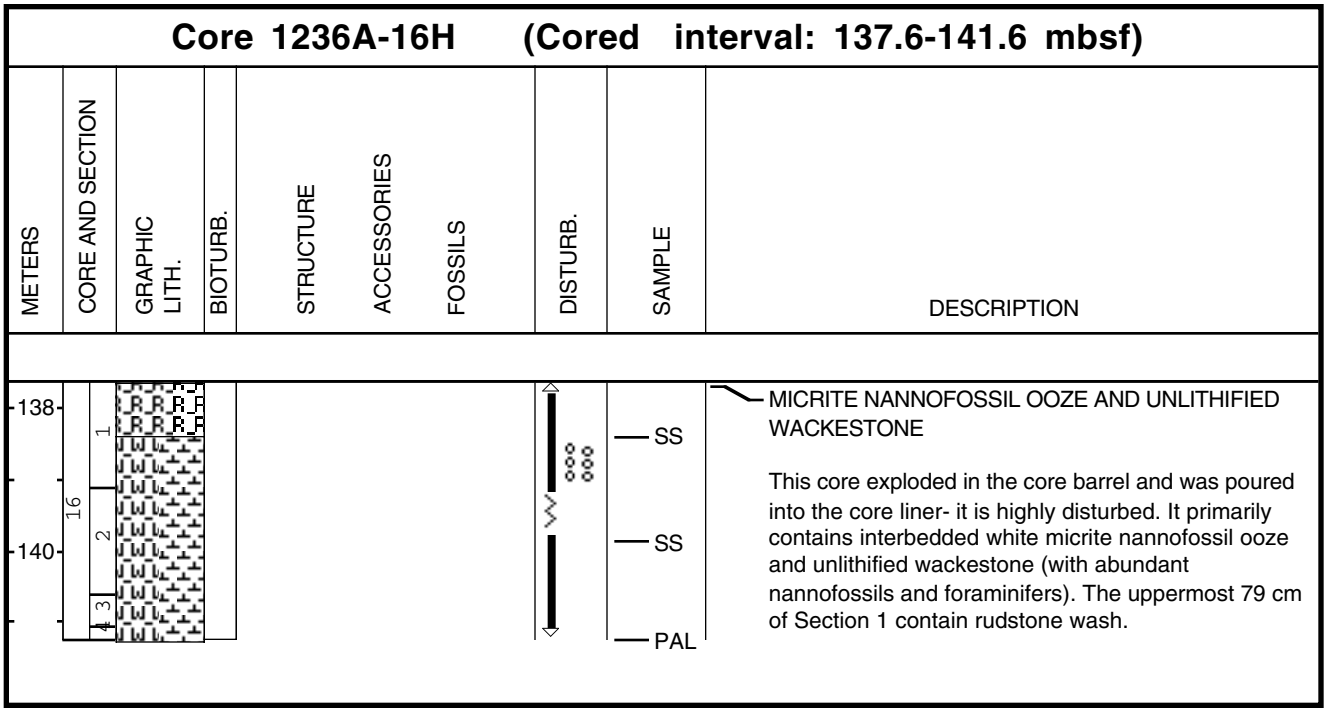
Core Photo


Core 1236A-14H (Cored interval: 118.6-128.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
120
122
124
126
128
14
1
2
3
4
5
6
7
SS
PP
CAR
PP
CAR
SS
PP
CAR
IW
PP
CAR
CAR
PP
PP
CAR
CAR
PP
PAL
MICRITE NANNOFOSSIL OOZE, UNLITHIFIED WACKESTONE AND UNLITHIFIED FLOATSTONE
This core contains white micrite nannofossil ooze (partly foram-bearing) with some scattered bright white mottles throughout. There are intervals of unlithified wackestone and floatstone in Section 1, 40-90 cm and Section 3 70-90 cm with a sharp lower contact. Unlithified wackestone is further present in Section 1 90-150 cm gradually changing to micrite nannofossil ooze further downcore. The top of Section 1 (0-39 cm) is a rudstone wash. Section 3, 0-92 cm is soupy indicating moderate coring disturbance.

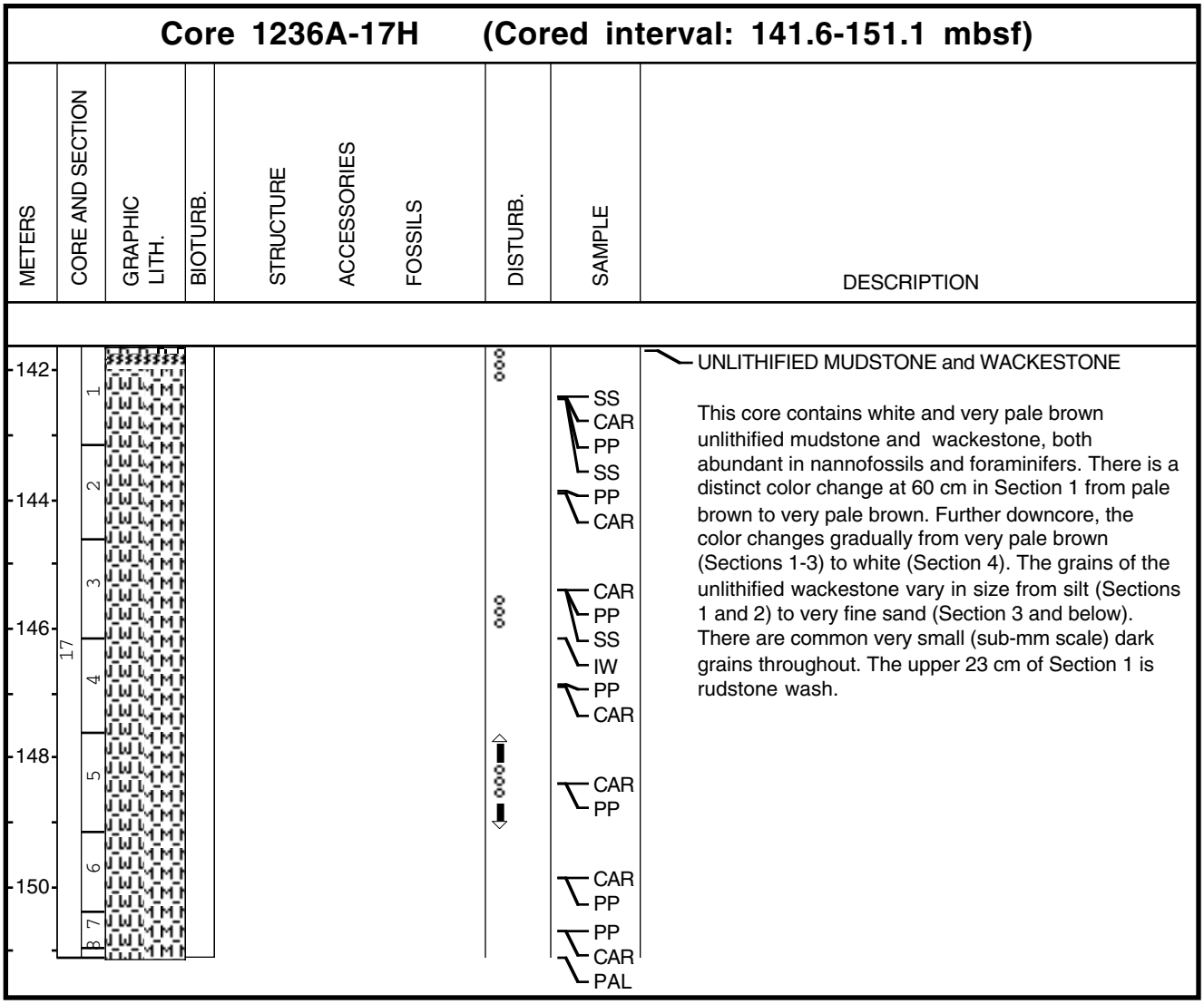
Core Photo


Core 1236A-15H (Cored interval: 128.1-137.6 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
130
132
134
136
15
1
2
3
4
5
6
7
CAR
PP
PP
CAR
PP
CAR
SS
IW
PP
CAR
PP
CAR
PP
CAR
PP
CAR
SS
MICRITE NANNOFOSSIL OOZE, UNLITHIFIED WACKESTONE AND PACKSTONE
This core contains very pale brown and white micrite nannofossil ooze with foraminifers and white unlithified wackestone as well as packstone. The top 110 cm of Section 1 is soupy and disturbed, and contains unlithified packstone probably partly washed out. The lower part of Section 5 and most of Section 6 are dominated by unlithified packstone with intervals of unlithified wackestone. Below a sharp contact in Section 6, 129 cm, micrite nannofossil ooze predominates downhole with a sharp color change to very pale brown at 139 cm in Section 6.

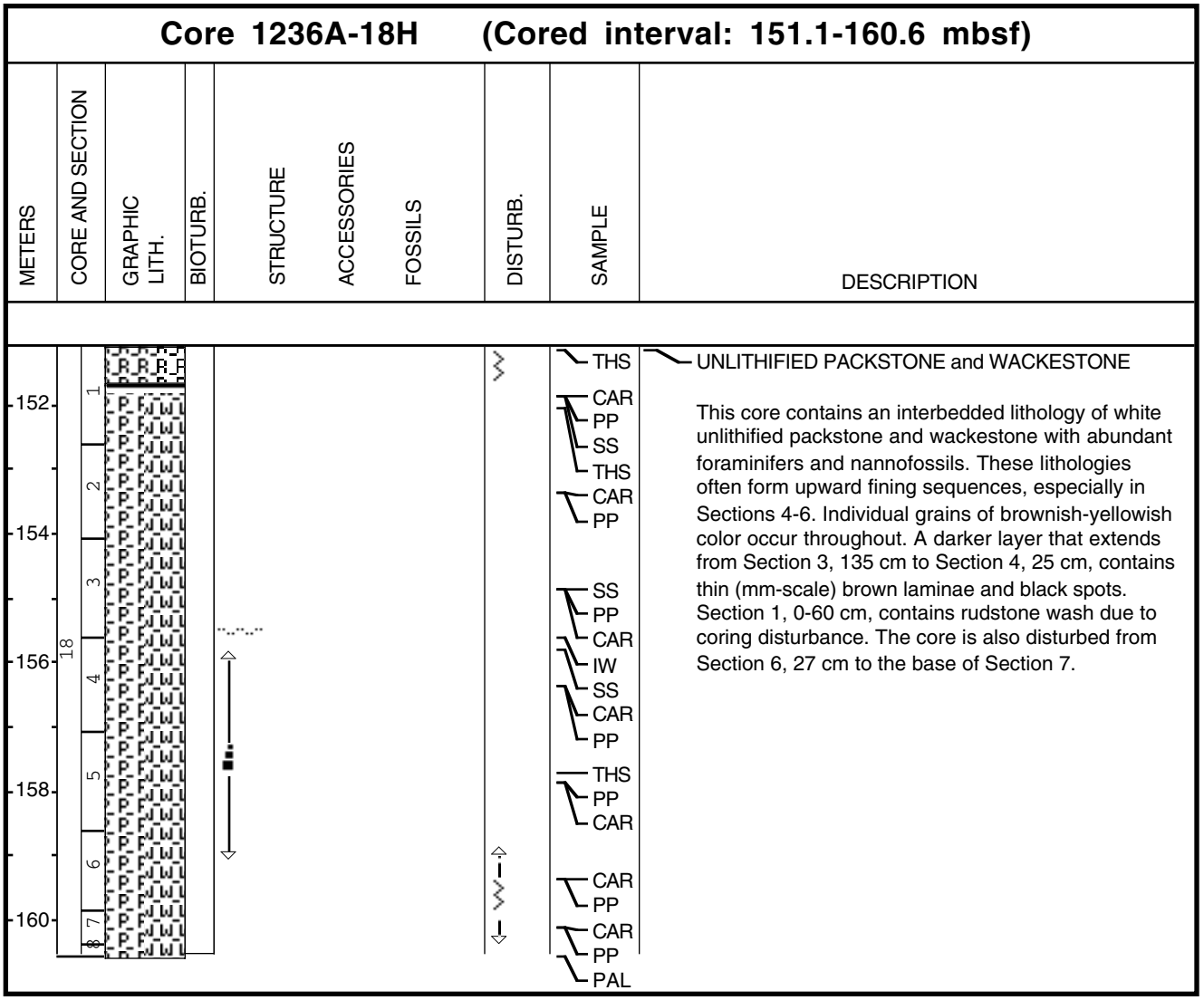
Core Photo


Core 1236A-16H (Cored interval: 137.6-141.6 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
138
140
16
1
2
3
4
SS
SS
PAL
MICRITE NANNOFOSSIL OOZE AND UNLITHIFIED WACKESTONE
This core exploded in the core barrel and was poured into the core liner- it is highly disturbed. It primarily contains interbedded white micrite nannofossil ooze and unlithified wackestone (with abundant nannofossils and foraminifers). The uppermost 79 cm of Section 1 contain rudstone wash.

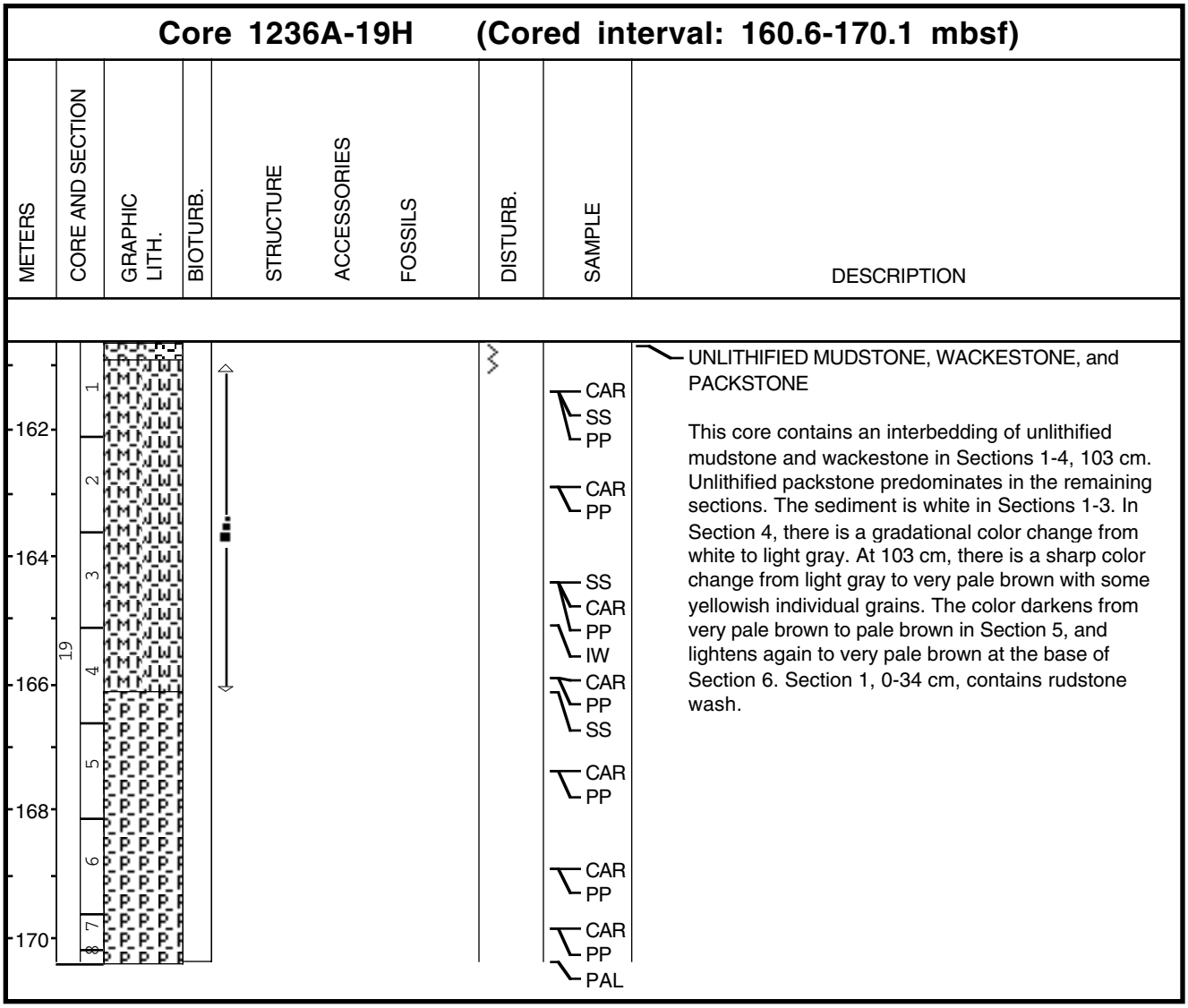
Core Photo


Core 1236A-17H (Cored interval: 141.6-151.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
142
144
146
148
150
17
1
2
3
4
5
6
7
CC
SS
CAR
PP
SS
PP
CAR
CAR
PP
SS
IW
PP
CAR
CAR
PP
CAR
PP
PP
CAR
PAL
UNLITHIFIED MUDSTONE and WACKESTONE
This core contains white and very pale brown unlithified mudstone and wackestone, both abundant in nannofossils and foraminifers. There is a distinct color change at 60 cm in Section 1 from pale brown to very pale brown. Further downcore, the color changes gradually from very pale brown (Sections 1-3) to white (Section 4). The grains of the unlithified wackestone vary in size from silt (Sections 1 and 2) to very fine sand (Section 3 and below). There are common very small (sub-mm scale) dark grains throughout. The upper 23 cm of Section 1 is rudstone wash.

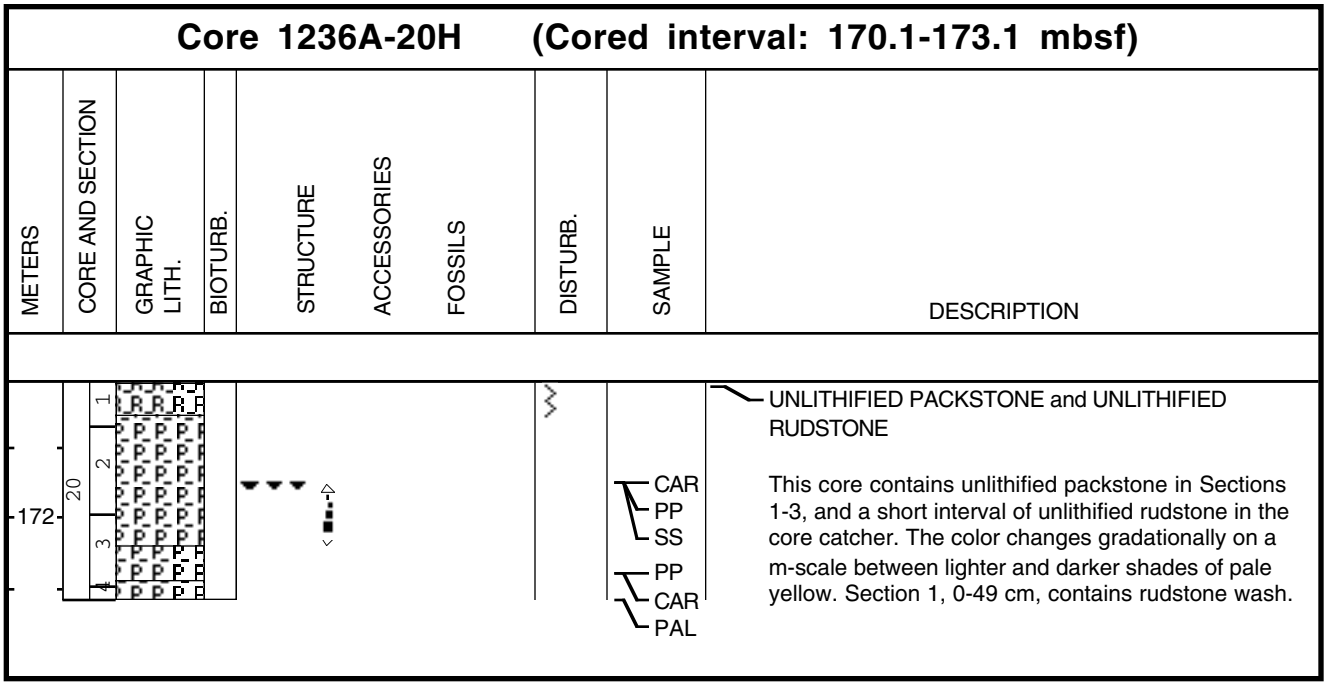
Core Photo


Core 1236A-18H (Cored interval: 151.1-160.6 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
152
154
156
158
160
18
1
2
3
4
5
6
7
8
THS
CAR
PP
SS
THS
CAR
PP
SS
PP
CAR
IW
SS
CAR
PP
THS
PP
CAR
CAR
PP
CAR
PP
PAL
UNLITHIFIED PACKSTONE and WACKESTONE
This core contains an interbedded lithology of white unlithified packstone and wackestone with abundant foraminifers and nannofossils. These lithologies often form upward fining sequences, especially in Sections 4-6. Individual grains of brownish-yellowish color occur throughout. A darker layer that extends from Section 3, 135 cm to Section 4, 25 cm, contains thin (mm-scale) brown laminae and black spots. Section 1, 0-60 cm, contains rudstone wash due to coring disturbance. The core is also disturbed from Section 6, 27 cm to the base of Section 7.

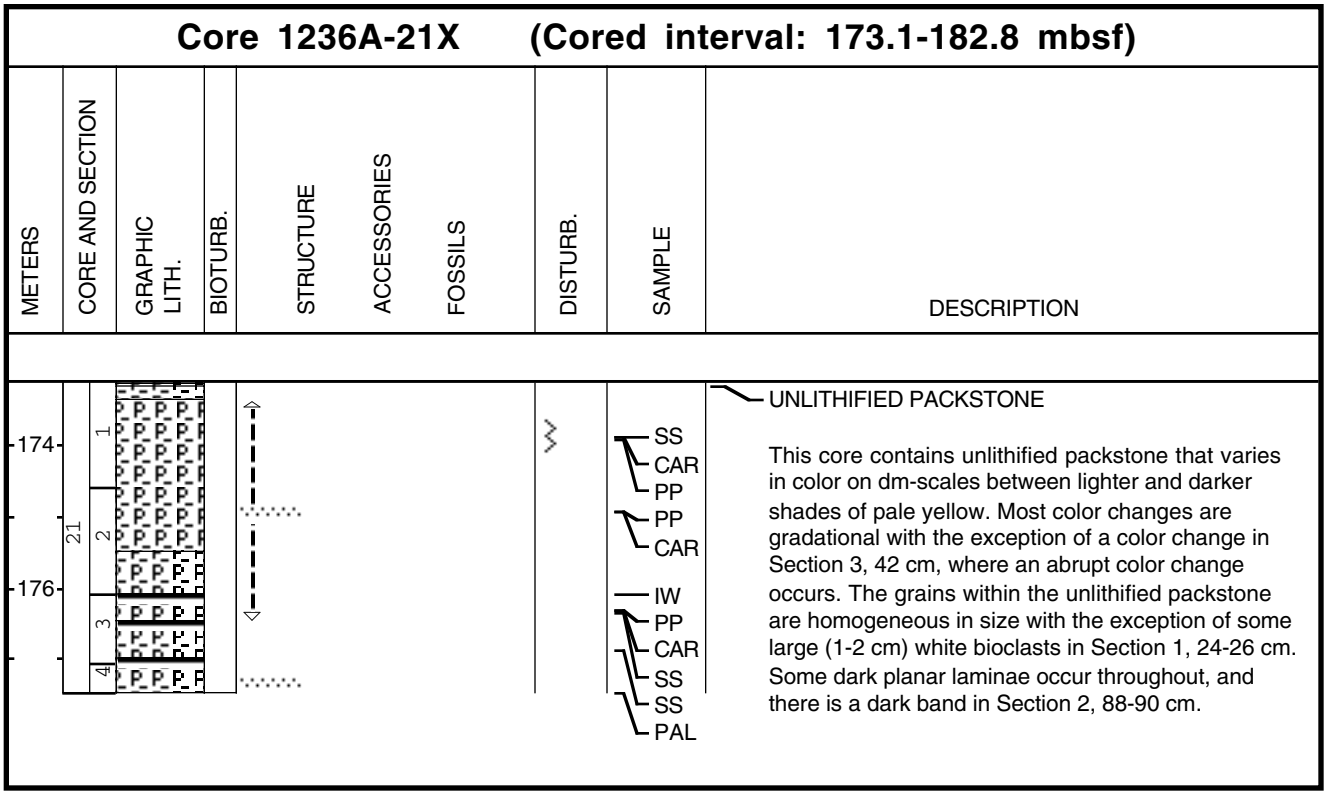
Core Photo


Core 1236A-19H (Cored interval: 160.6-170.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
162
164
166
168
170
19
1
2
3
4
5
6
7
CAR
SS
PP
CAR
PP
SS
CAR
PP
IW
CAR
PP
SS
CAR
PP
CAR
PP
CAR
PP
PAL
UNLITHIFIED MUDSTONE, WACKESTONE, and PACKSTONE
This core contains an interbedding of unlithified mudstone and wackestone in Sections 1-4, 103 cm. Unlithified packstone predominates in the remaining sections. The sediment is white in Sections 1-3. In Section 4, there is a gradational color change from white to light gray. At 103 cm, there is a sharp color change from light gray to very pale brown with some yellowish individual grains. The color darkens from very pale brown to pale brown in Section 5, and lightens again to very pale brown at the base of Section 6. Section 1, 0-34 cm, contains rudstone wash.

Core Photo

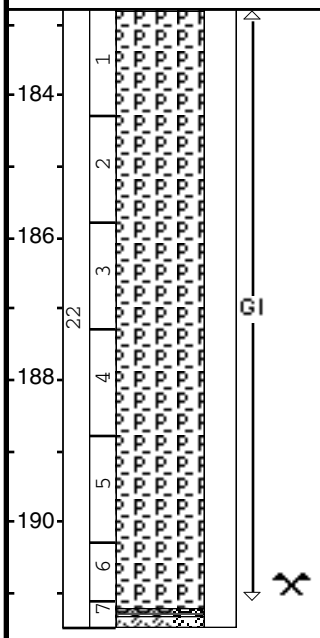

Core 1236A-20H (Cored interval: 170.1-173.1 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
172
20
1
2
3
4
CAR
PP
SS
PP
CAR
PAL
UNLITHIFIED PACKSTONE and UNLITHIFIED RUDSTONE
This core contains unlithified packstone in Sections 1-3, and a short interval of unlithified rudstone in the core catcher. The color changes gradationally on a m-scale between lighter and darker shades of pale yellow. Section 1, 0-49 cm, contains rudstone wash.

Core Photo


Core 1236A-21X (Cored interval: 173.1-182.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
174
176
21
1
2
3
4
SS
CAR
PP
PP
CAR
IW
PP
CAR
SS
SS
PAL
UNLITHIFIED PACKSTONE
This core contains unlithified packstone that varies in color on dm-scales between lighter and darker shades of pale yellow. Most color changes are gradational with the exception of a color change in Section 3, 42 cm, where an abrupt color change occurs. The grains within the unlithified packstone are homogeneous in size with the exception of some large (1-2 cm) white bioclasts in Section 1, 24-26 cm. Some dark planar laminae occur throughout, and there is a dark band in Section 2, 88-90 cm.

Core Photo

Core 1236A-22X (Cored interval: 182.8-192.5 mbsf)

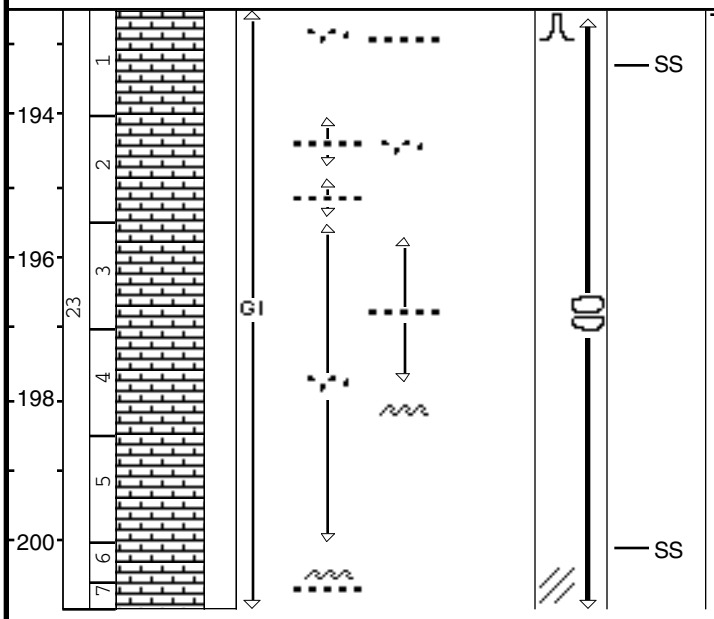


UNLITHIFIED PACKSTONE

This core contains unlithified packstone with abundant micrite and multiple glauconite-rich green patches and to a lesser extent, black fragments of devitrified volcanic ash. There are numerous, repetitive color changes from pale yellowish brown (predominantly) to browner layers. This pattern occurs throughout the core although with highest frequency in Section 5. The browner colored sediment becomes progressively more important downcore, beginning at 105 cm in Section 4. There are several sharp contacts in Section 2 that are associated with finer grained material. Section 2, 100-120 cm, is particularly enriched in fragments of devitrified volcanic ash. Spicules appear at 28 cm in Section 6 and are abundent to the base. Between the breccia and the lithified ash in Section 7 (CC), there are light brown and gray silt size layers that contain abundant diatoms and spicules.

Core Photo

Core 1236A-23X (Cored interval: 192.5-202.2 mbsf)



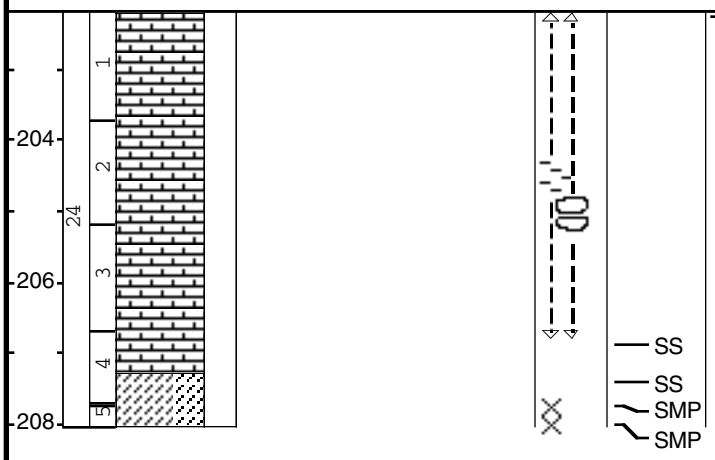
DESCRIPTION

NANNOFOSSIL CHALK with MICRITE AND GLAUCONITE

This core contains firm to indurated nannofossil chalk with micrite and glauconite. A variety of colors and color contrasts are present, ranging from very pale green and light greenish gray to dark greenish gray and medium dark brownish gray. Thin (<1-3 cm) color bands occur in all sections. Most of the layers are unbroken and subparallel, and some are discontinuous. The greenish layers contain more glauconite and micrite. Overall, Section 4 is the lightest, with light sediment also occurring in the top of Section 5 and parts of Sections 2 and 3. Zoophycos and other fine (>1 cm) trace fossils occur occasionally. They typically extend across the width of the core or drilling biscuit, and are a slightly different color than the surrounding sediment. The sediments are moderately disturbed, with 3-40 cm drilling biscuits distributed throughout the core. Section 1, 0-10 cm contains disturbed fall-in.

Core Photo

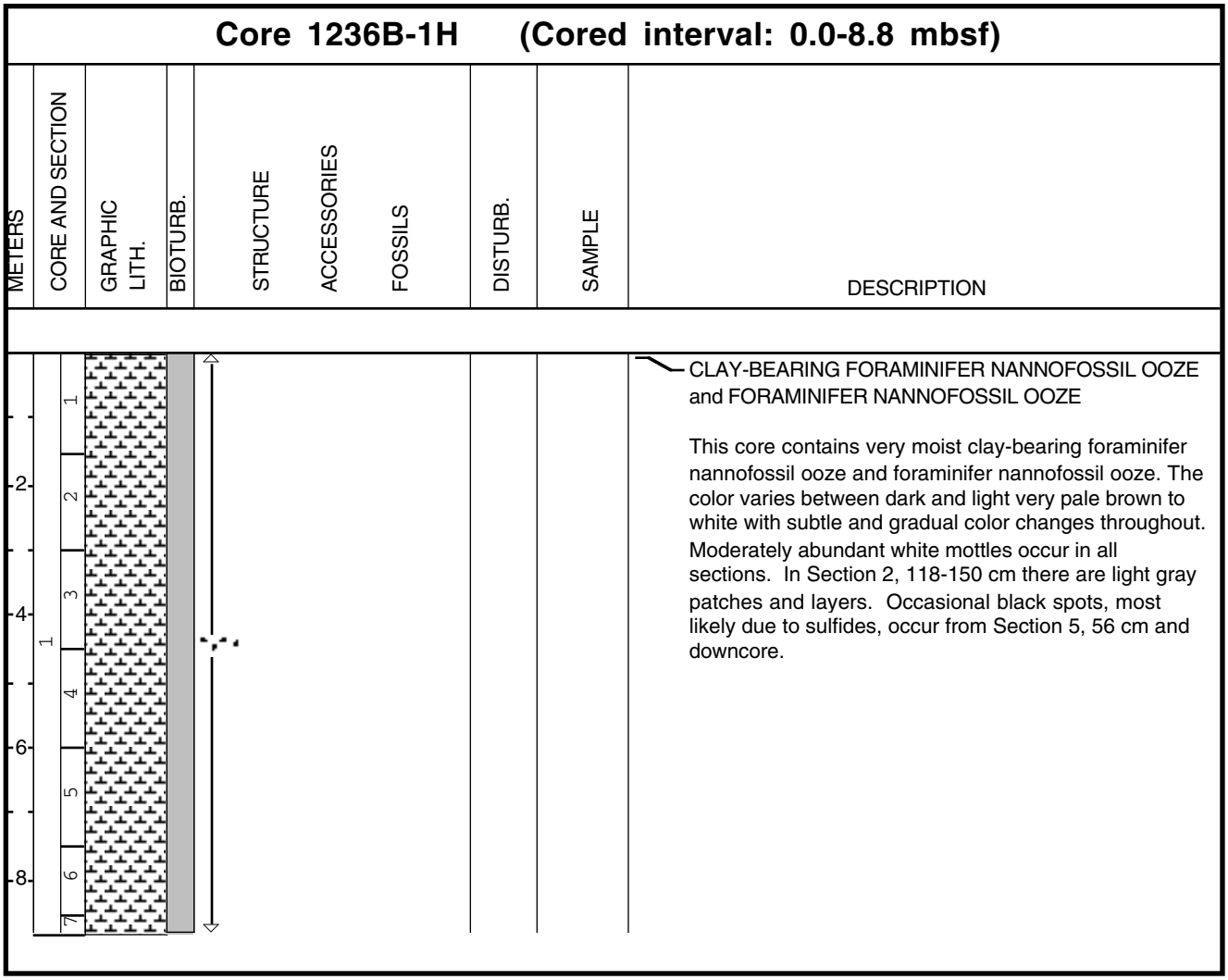
Core 1236A-24X (Cored interval: 202.2-207.7 mbsf)



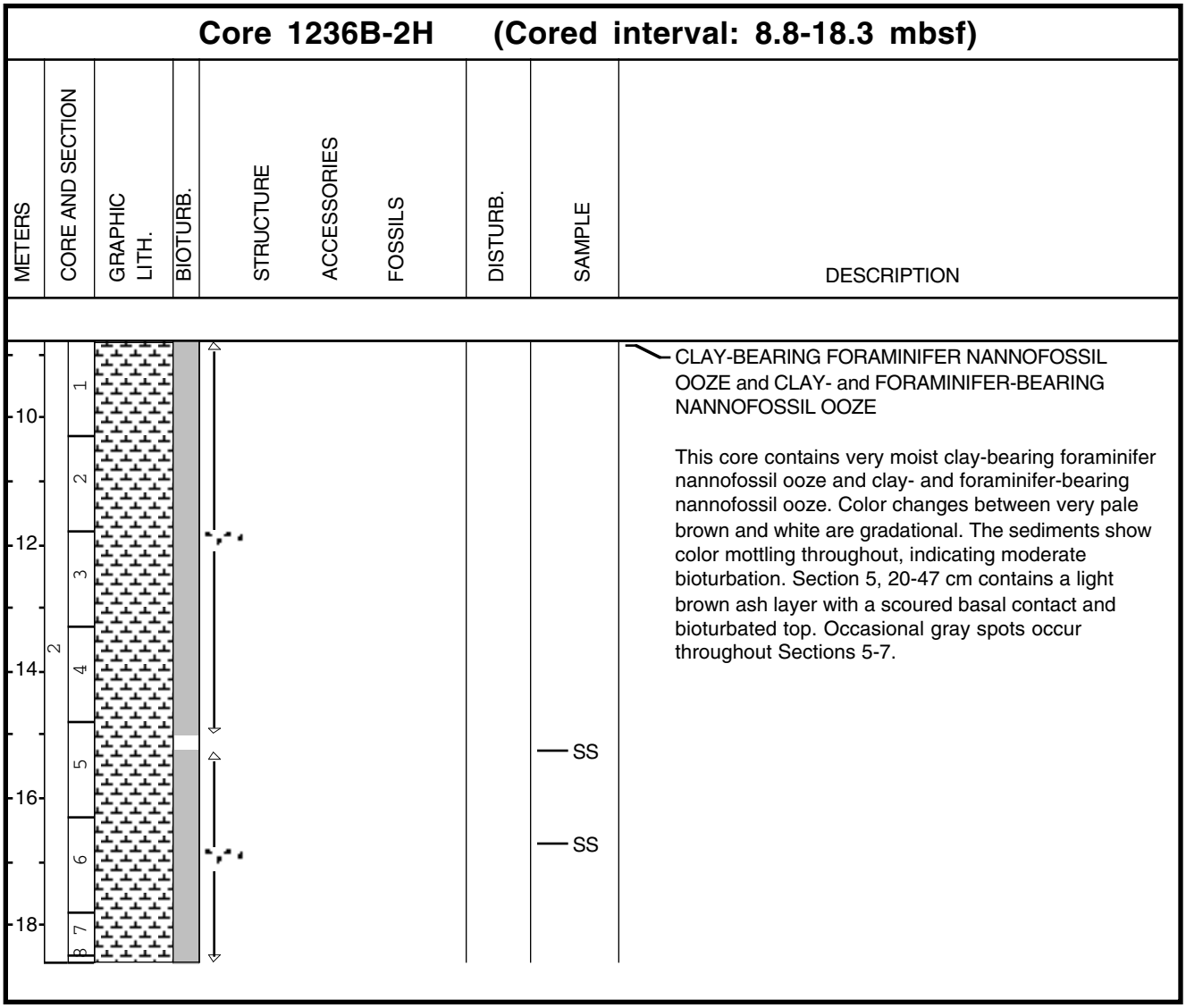
NANNOFOSSIL CHALK with MICRITE and GLAUCONITE; BASALT

This core contains medium (2-4 cm) to large (>4 cm) biscuits consisting of nannofossil chalk (with micrite and glauconite) and softer sediment (sand-bearing silty clay) in between that appears to have been mixed (slurry) during drilling, as evidenced by marbled color patterns. These color patterns include very light brown, medium to dark green, dark brownish gray, and light brownish gray. Section 2 (34-52 cm) contains larger biscuits that could not have rotated in the core liner, so the stratigraphy is intact. There is a distinct interval of dark green banding (glauconitic) in Section 2 from 35-58 cm, and an interval of unconsolidated coarse-grained dark green sediment in Section 4 from 13-45 cm. In Section 4, there are reddish-brown flecks that might be indicative of Fe-oxides. The base of Section 4 and the core catcher both contain basalt.

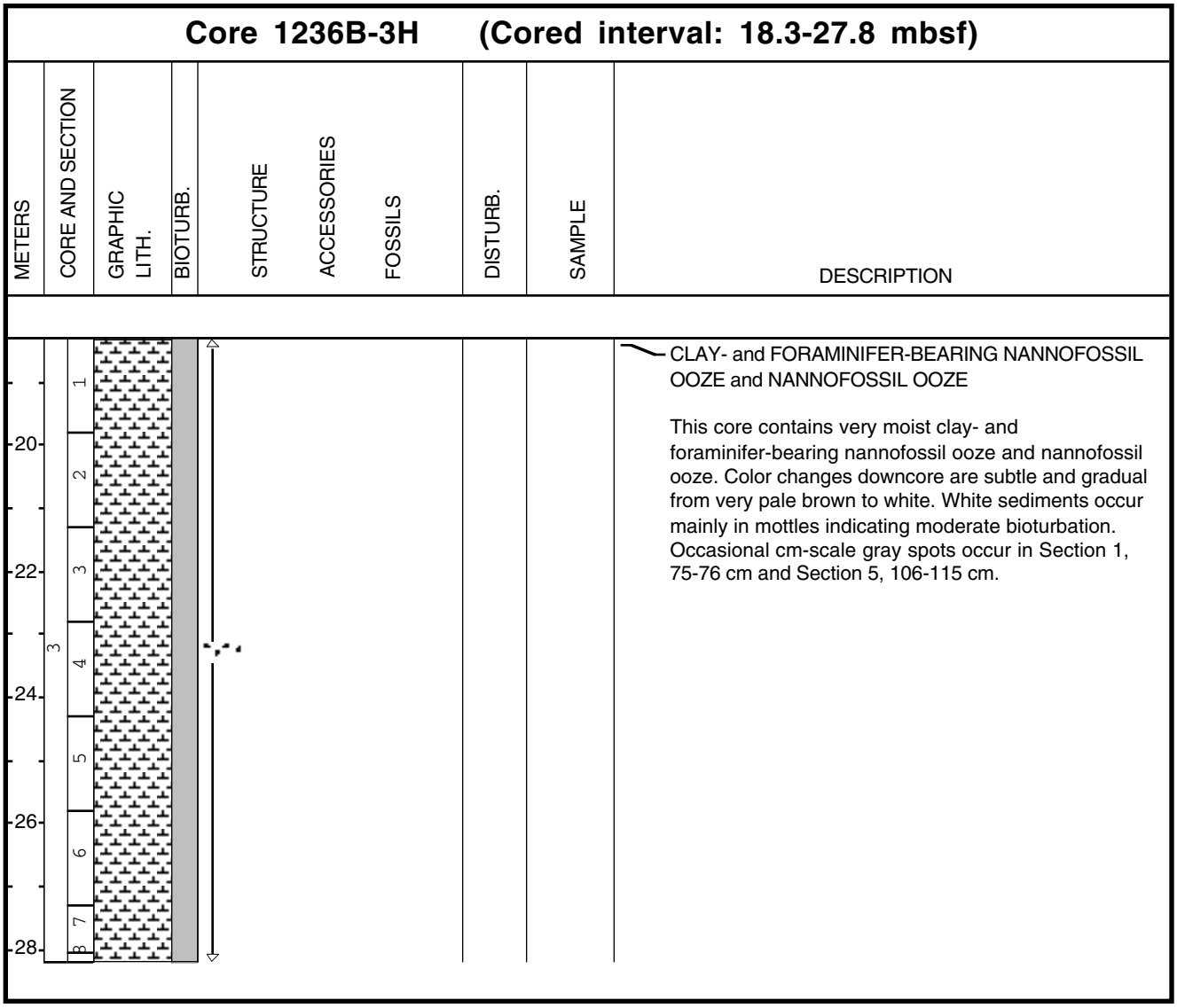
Core Photo


Core 1236B-1H (Cored interval: 0.0-8.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
2
4
6
8
1
2
3
4
5
6
7
CLAY-BEARING FORAMINIFER NANNOFOSSIL OOZE and FORAMINIFER NANNOFOSSIL OOZE
This core contains very moist clay-bearing foraminifer nannofossil ooze and foraminifer nannofossil ooze. The color varies between dark and light very pale brown to white with subtle and gradual color changes throughout. Moderately abundant white mottles occur in all sections. In Section 2, 118-150 cm there are light gray patches and layers. Occasional black spots, most likely due to sulfides, occur from Section 5, 56 cm and downcore.

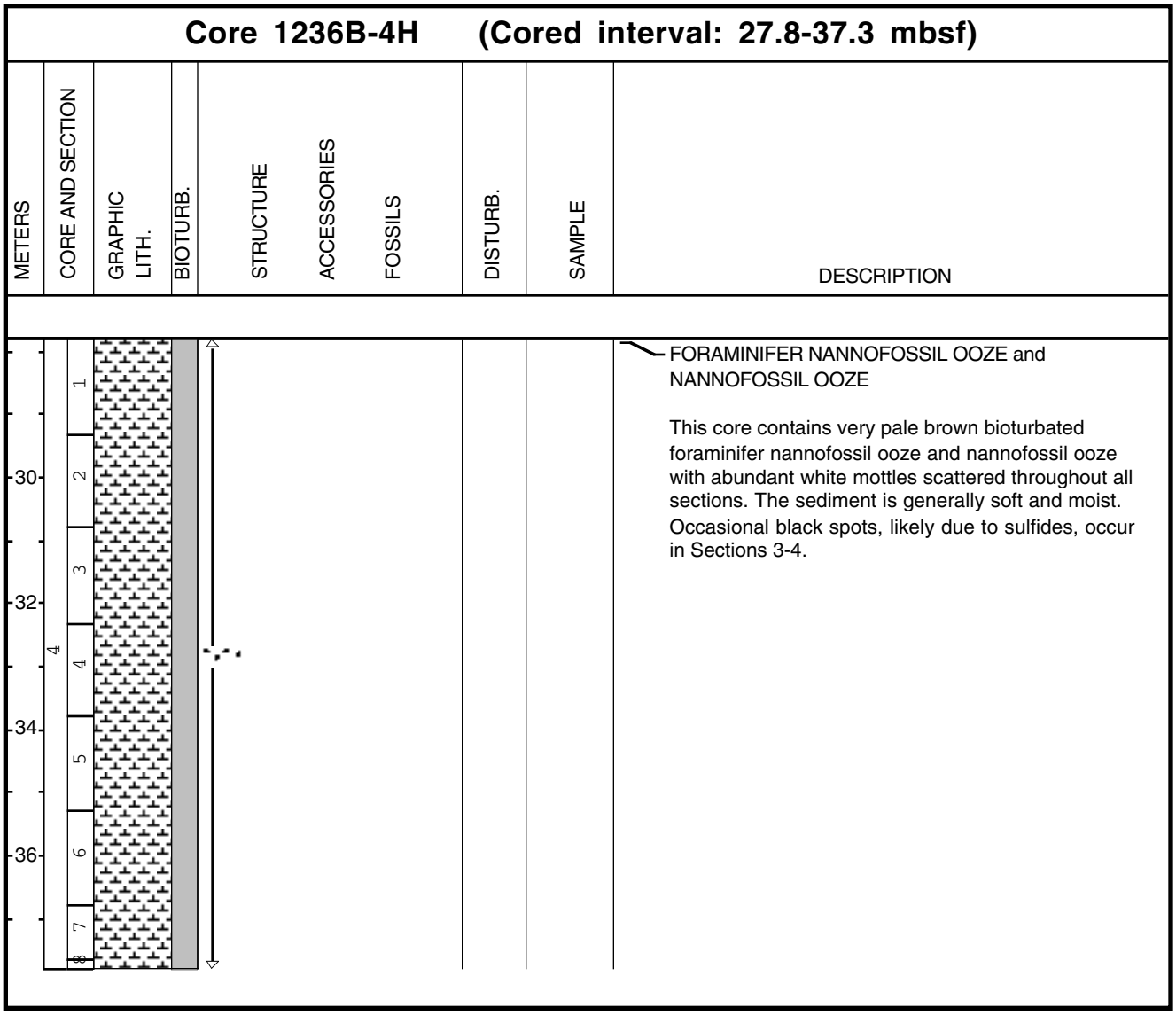
Core Photo


Core 1236B-2H (Cored interval: 8.8-18.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
10
12
14
16
18
2
1
2
3
4
5
6
7
CC
SS
SS
CLAY-BEARING FORAMINIFER NANNOFOSSIL OOZE and CLAY- and FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains very moist clay-bearing foraminifer nannofossil ooze and clay- and foraminifer-bearing nannofossil ooze. Color changes between very pale brown and white are gradational. The sediments show color mottling throughout, indicating moderate bioturbation. Section 5, 20-47 cm contains a light brown ash layer with a scoured basal contact and bioturbated top. Occasional gray spots occur throughout Sections 5-7.

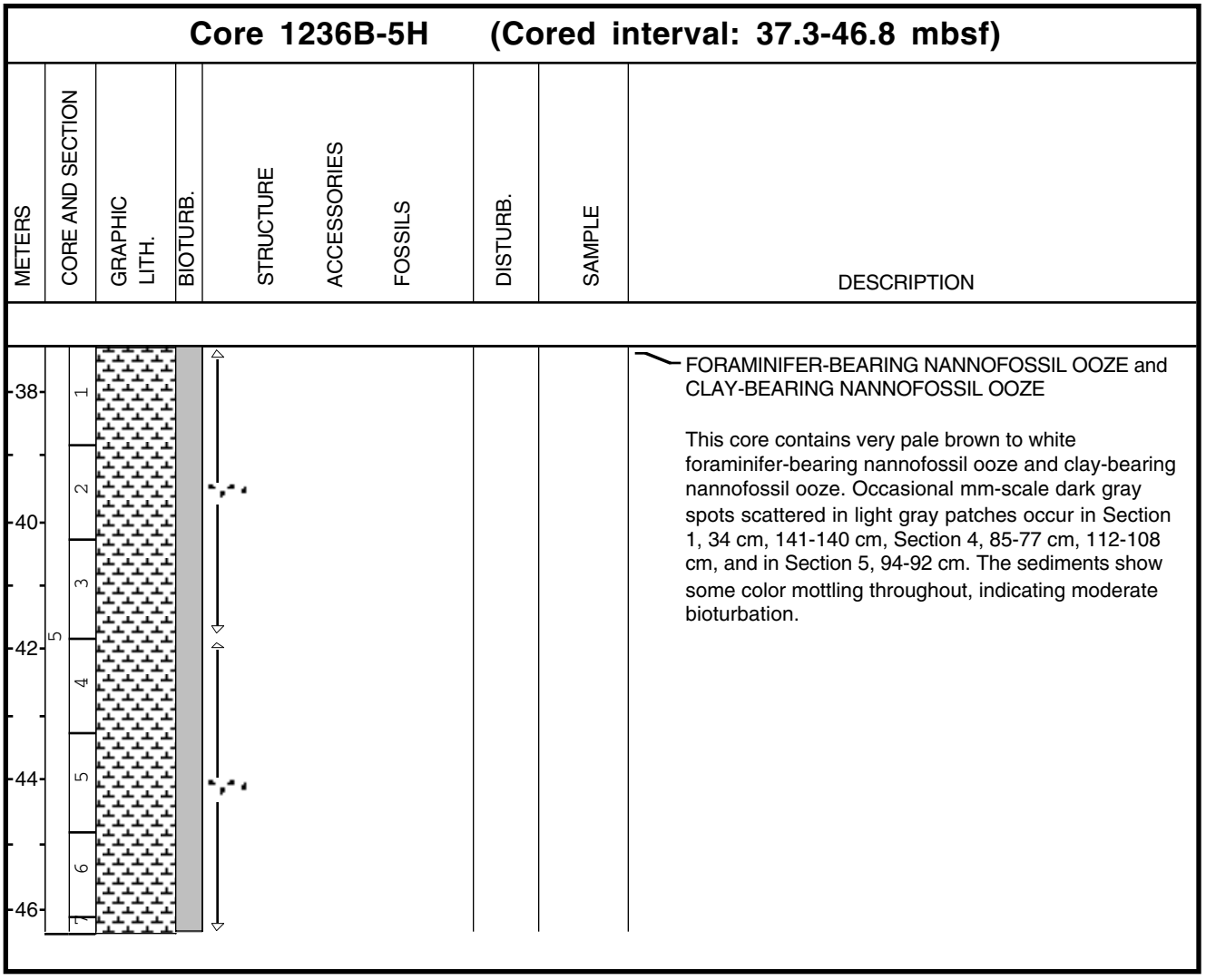
Core Photo


Core 1236B-3H (Cored interval: 18.3-27.8 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
CLAY- and FORAMINIFER-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains very moist clay- and foraminifer-bearing nannofossil ooze and nannofossil ooze. Color changes downcore are subtle and gradual from very pale brown to white. White sediments occur mainly in mottles indicating moderate bioturbation. Occasional cm-scale gray spots occur in Section 1, 75-76 cm and Section 5, 106-115 cm.

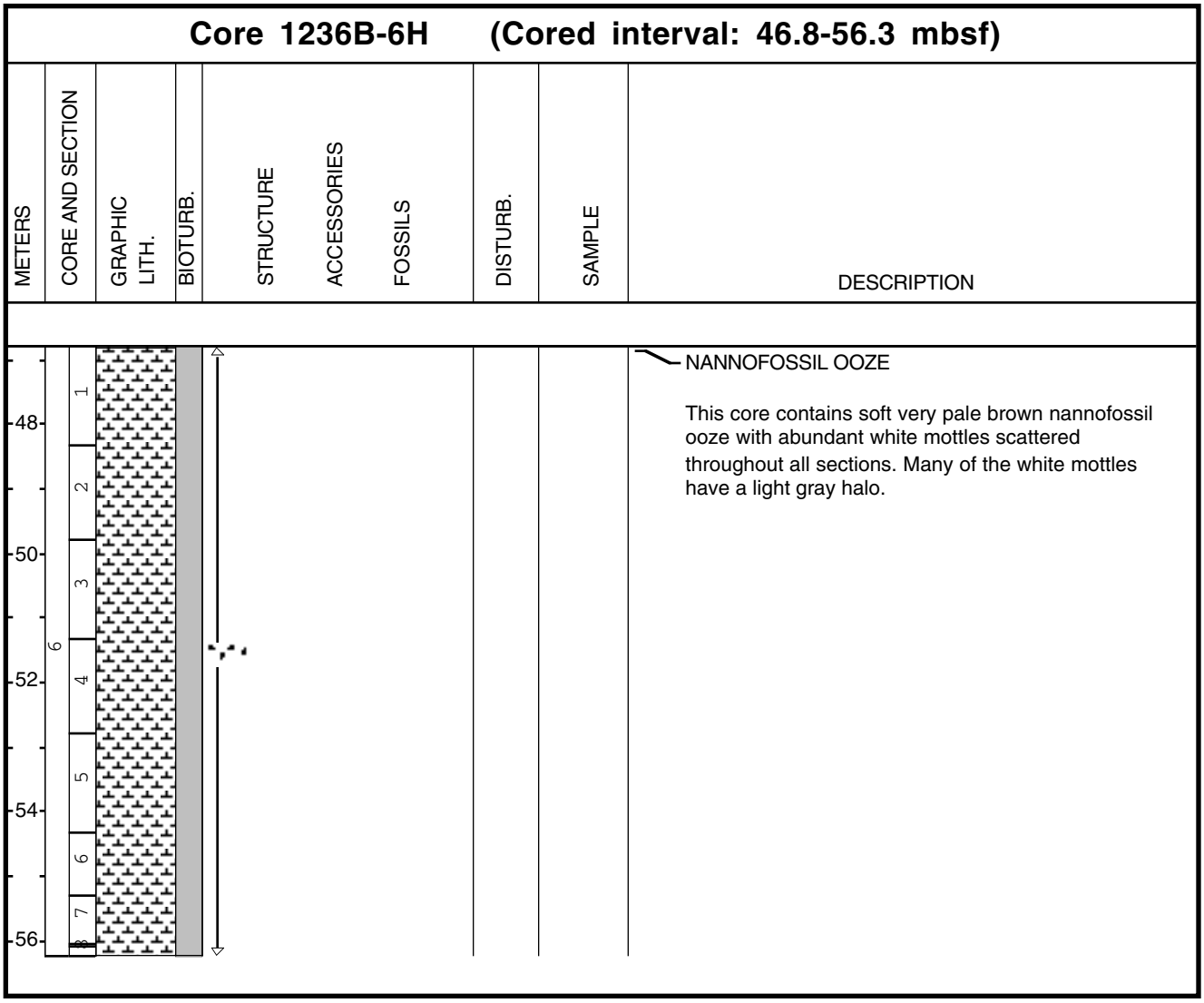
Core Photo


Core 1236B-4H (Cored interval: 27.8-37.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
30
32
34
36
4
1
2
3
4
5
6
7
8
FORAMINIFER NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains very pale brown bioturbated foraminifer nannofossil ooze and nannofossil ooze with abundant white mottles scattered throughout all sections. The sediment is generally soft and moist. Occasional black spots, likely due to sulfides, occur in Sections 3-4.

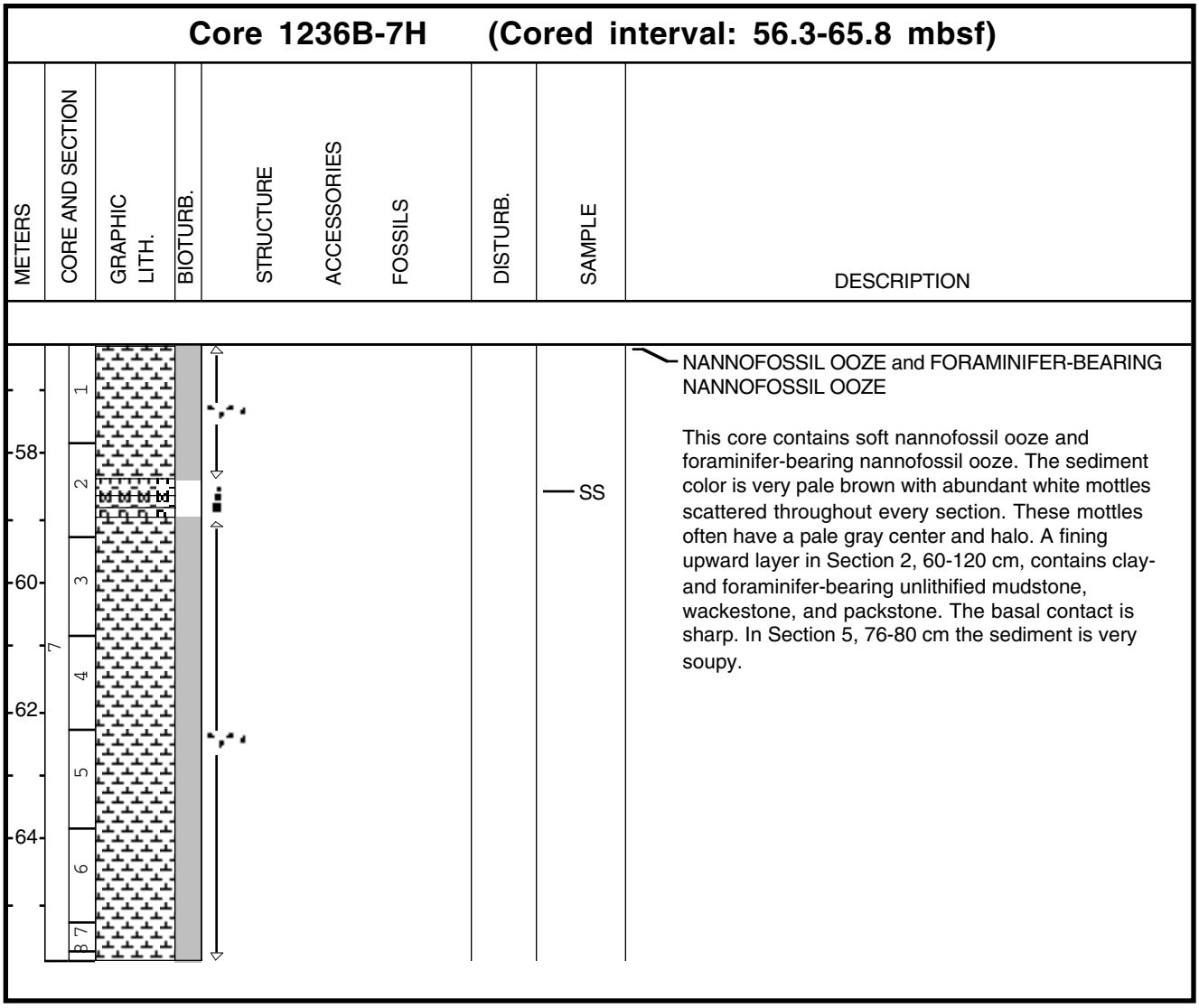
Core Photo


Core 1236B-5H (Cored interval: 37.3-46.8 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
FORAMINIFER-BEARING NANNOFOSSIL OOZE and CLAY-BEARING NANNOFOSSIL OOZE
This core contains very pale brown to white foraminifer-bearing nannofossil ooze and clay-bearing nannofossil ooze. Occasional mm-scale dark gray spots scattered in light gray patches occur in Section 1, 34 cm, 141-140 cm, Section 4, 85-77 cm, 112-108 cm, and in Section 5, 94-92 cm. The sediments show some color mottling throughout, indicating moderate bioturbation.

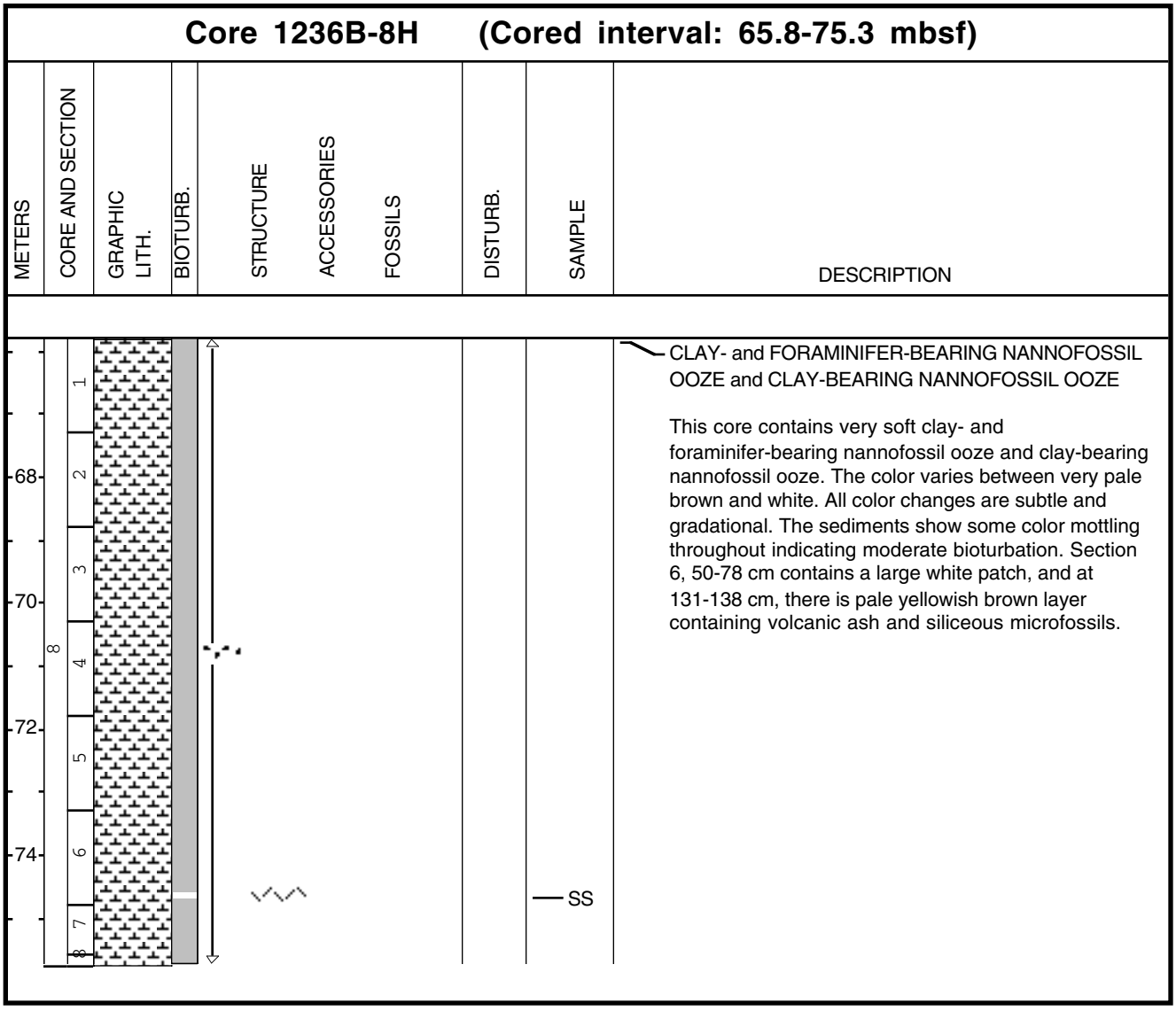
Core Photo


Core 1236B-6H (Cored interval: 46.8-56.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
48
50
52
54
56
6
1
2
3
4
5
6
7
NANNOFOSSIL OOZE
This core contains soft very pale brown nannofossil ooze with abundant white mottles scattered throughout all sections. Many of the white mottles have a light gray halo.

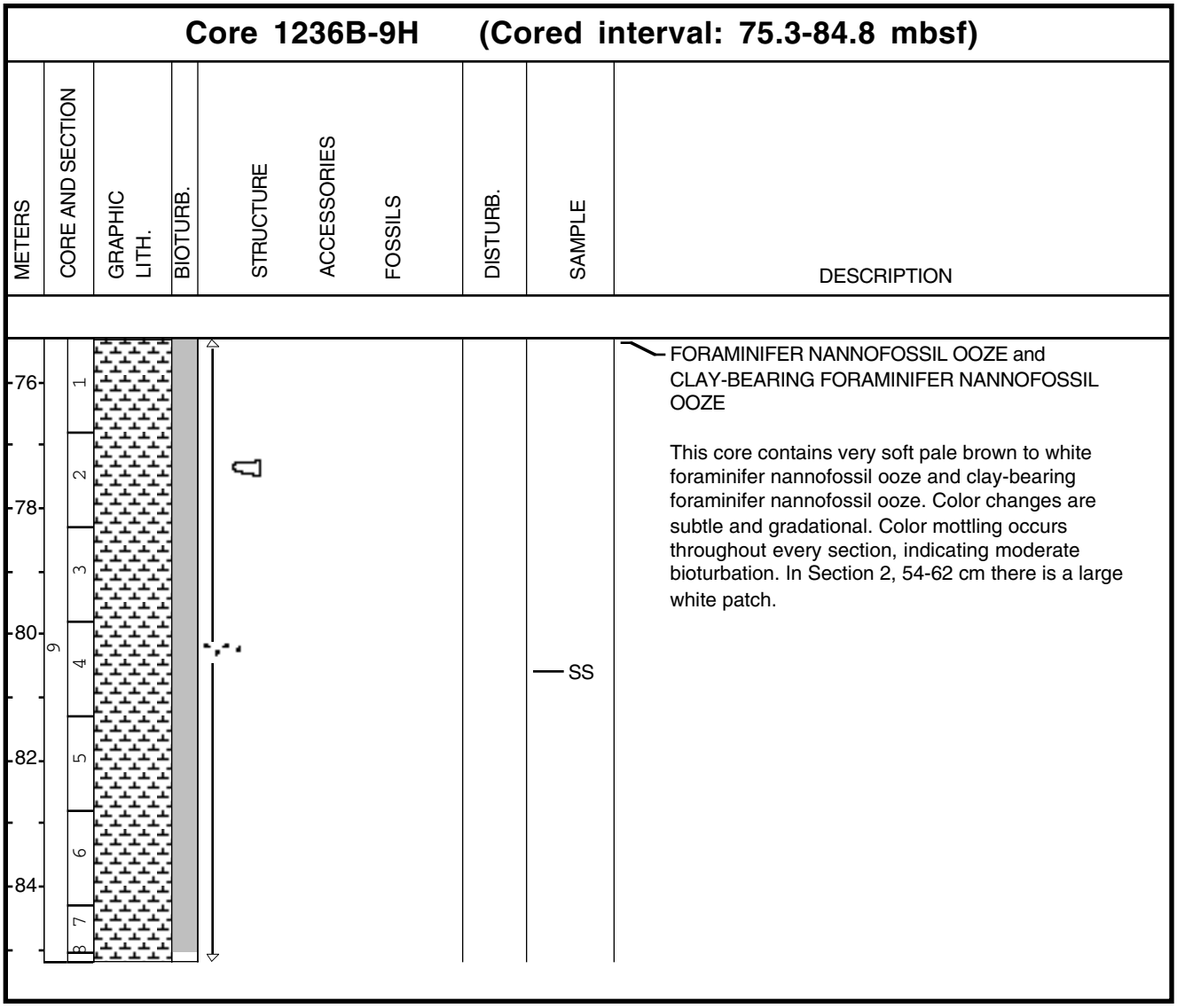
Core Photo


Core 1236B-7H (Cored interval: 56.3-65.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
58
60
62
64
7
1
2
3
4
5
6
CC
SS
NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains soft nannofossil ooze and foraminifer-bearing nannofossil ooze. The sediment color is very pale brown with abundant white mottles scattered throughout every section. These mottles often have a pale gray center and halo. A fining upward layer in Section 2, 60-120 cm, contains clay- and foraminifer-bearing unlithified mudstone, wackestone, and packstone. The basal contact is sharp. In Section 5, 76-80 cm the sediment is very soupy.

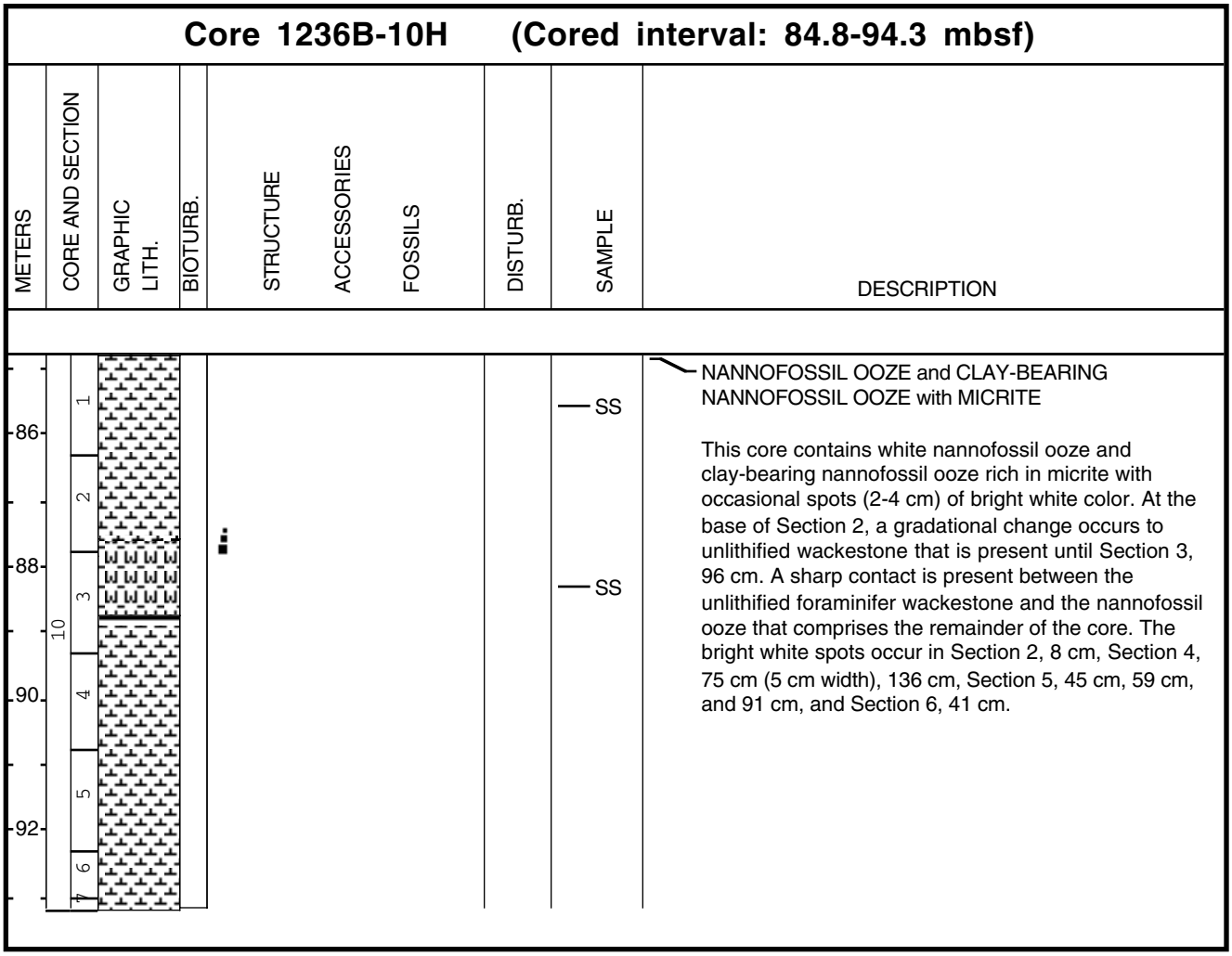
Core Photo


Core 1236B-8H (Cored interval: 65.8-75.3 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
7
SS
CLAY- and FORAMINIFER-BEARING NANNOFOSSIL OOZE and CLAY-BEARING NANNOFOSSIL OOZE
This core contains very soft clay- and foraminifer-bearing nannofossil ooze and clay-bearing nannofossil ooze. The color varies between very pale brown and white. All color changes are subtle and gradational. The sediments show some color mottling throughout indicating moderate bioturbation. Section 6, 50-78 cm contains a large white patch, and at 131-138 cm, there is pale yellowish brown layer containing volcanic ash and siliceous microfossils.

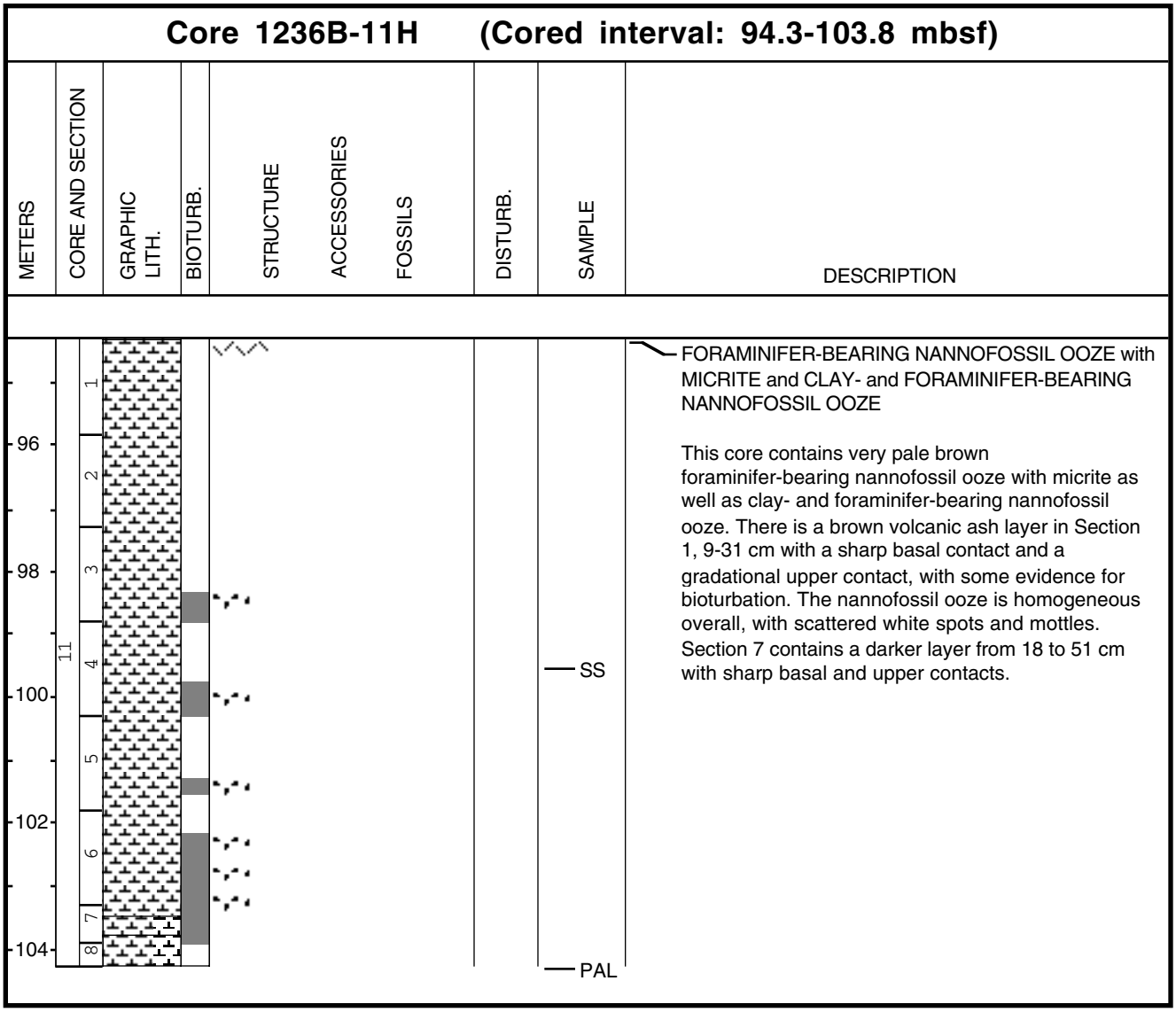
Core Photo


Core 1236B-9H (Cored interval: 75.3-84.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
76
78
80
82
84
9
1
2
3
4
5
6
7
CC
SS
FORAMINIFER NANNOFOSSIL OOZE and CLAY-BEARING FORAMINIFER NANNOFOSSIL OOZE
This core contains very soft pale brown to white foraminifer nannofossil ooze and clay-bearing foraminifer nannofossil ooze. Color changes are subtle and gradational. Color mottling occurs throughout every section, indicating moderate bioturbation. In Section 2, 54-62 cm there is a large white patch.

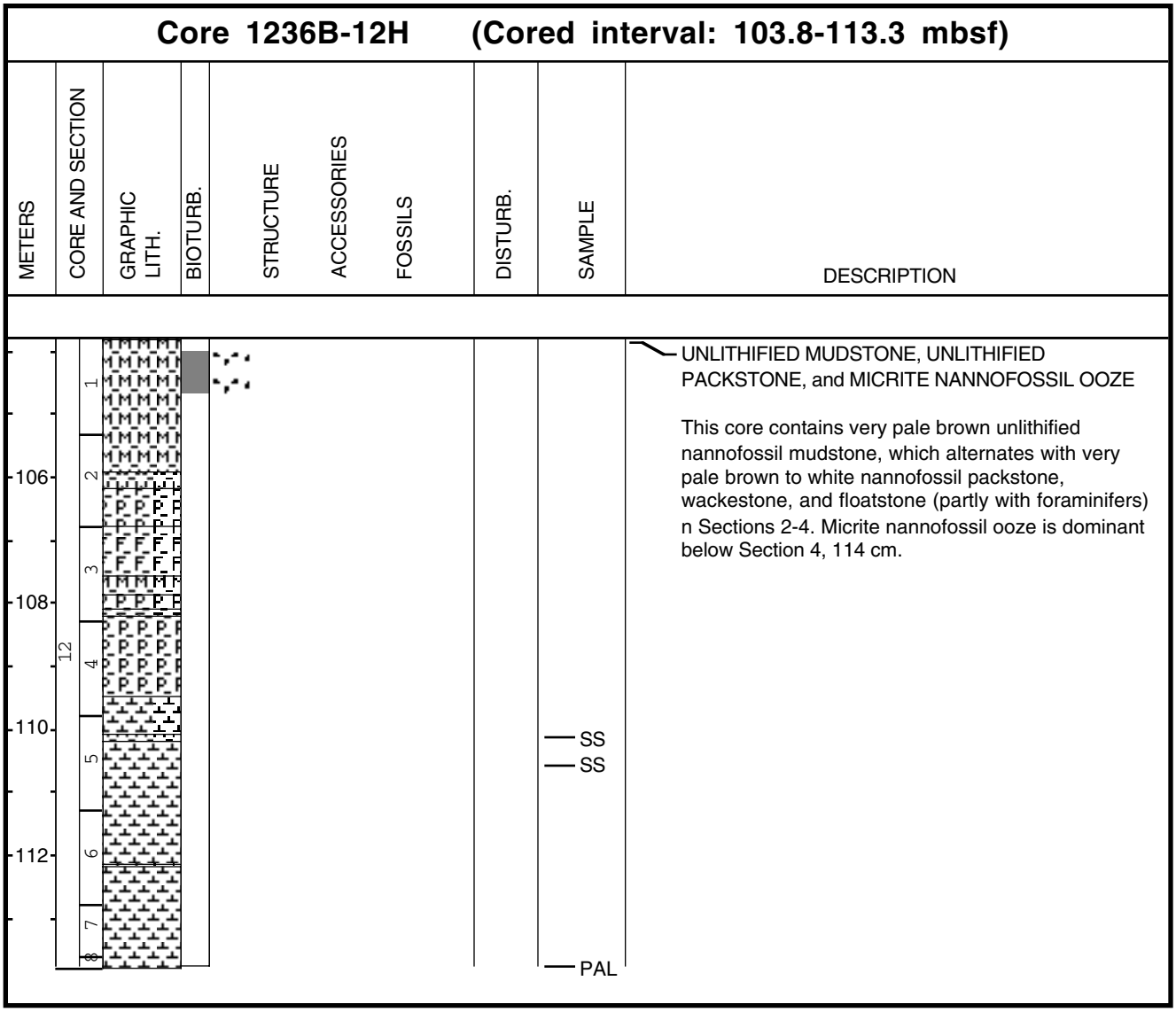
Core Photo


Core 1236B-10H (Cored interval: 84.8-94.3 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
SS
NANNOFOSSIL OOZE and CLAY-BEARING NANNOFOSSIL OOZE with MICRITE
This core contains white nannofossil ooze and clay-bearing nannofossil ooze rich in micrite with occasional spots (2-4 cm) of bright white color. At the base of Section 2, a gradational change occurs to unlithified wackestone that is present until Section 3, 96 cm. A sharp contact is present between the unlithified foraminifer wackestone and the nannofossil ooze that comprises the remainder of the core. The bright white spots occur in Section 2, 8 cm, Section 4, 75 cm (5 cm width), 136 cm, Section 5, 45 cm, 59 cm, and 91 cm, and Section 6, 41 cm.

Core Photo

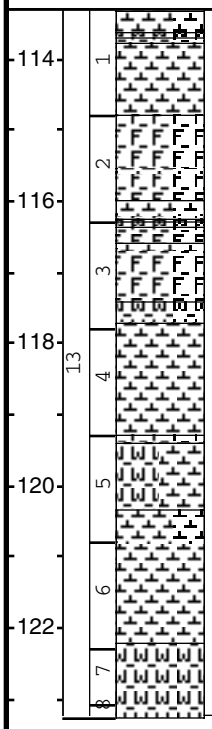

Core 1236B-11H (Cored interval: 94.3-103.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
96
98
100
102
104
11
1
2
3
4
5
6
7
8
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE with MICRITE and CLAY- and FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains very pale brown foraminifer-bearing nannofossil ooze with micrite as well as clay- and foraminifer-bearing nannofossil ooze. There is a brown volcanic ash layer in Section 1, 9-31 cm with a sharp basal contact and a gradational upper contact, with some evidence for bioturbation. The nannofossil ooze is homogeneous overall, with scattered white spots and mottles. Section 7 contains a darker layer from 18 to 51 cm with sharp basal and upper contacts.

Core Photo


Core 1236B-12H (Cored interval: 103.8-113.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
106
108
110
112
12
1
2
3
4
5
6
7
8
SS
SS
PAL
UNLITHIFIED MUDSTONE, UNLITHIFIED PACKSTONE, and MICRITE NANNOFOSSIL OOZE
This core contains very pale brown unlithified nannofossil mudstone, which alternates with very pale brown to white nannofossil packstone, wackestone, and floatstone (partly with foraminifers) n Sections 2-4. Micrite nannofossil ooze is dominant below Section 4, 114 cm.

Core Photo

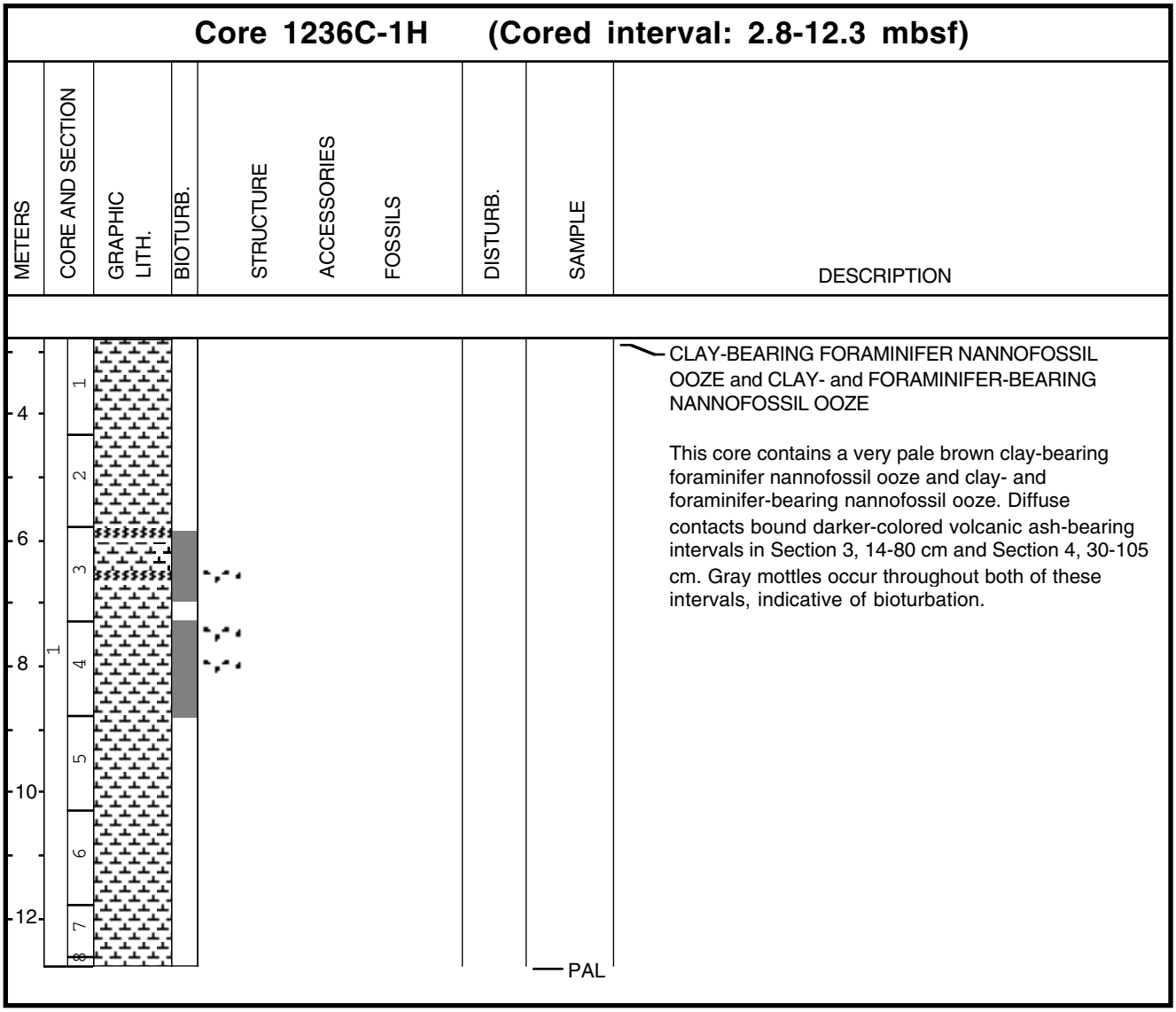
Core 1236B-13H (Cored interval: 113.3-122.8 mbsf)



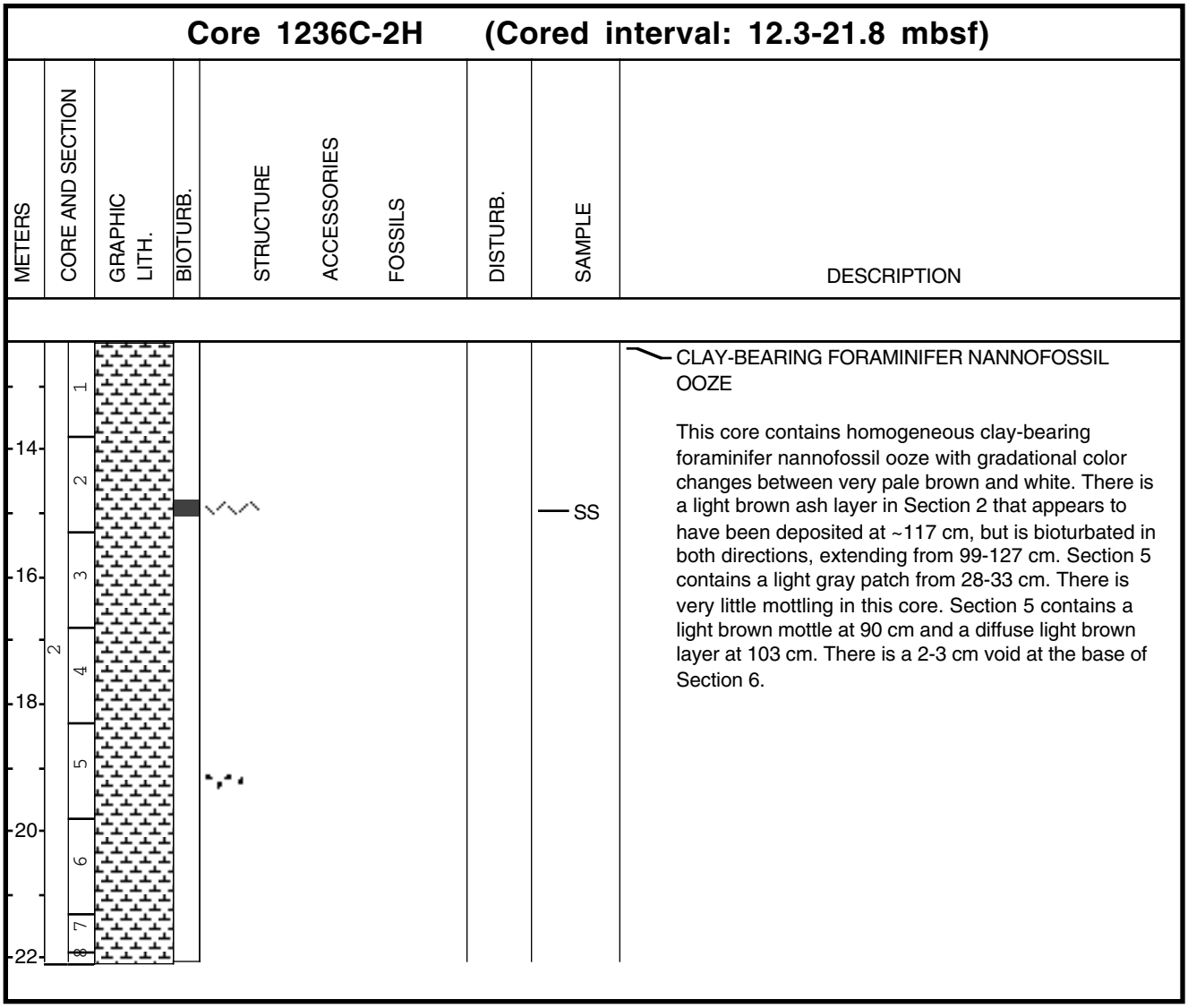
NANNOFOSSIL OOZE with MICRITE, UNLITHIFIED WACKESTONE, and UNLITHIFIED FLOATSTONE

This core contains nannofossil ooze rich in micrite interbedded with unlithified wackestone and floatstone (with abundant foraminifers and nannofossils). The sediment is white throughout with the exception of one interval of very pale brown from 50 cm in Section 2 through the base of Section 3.

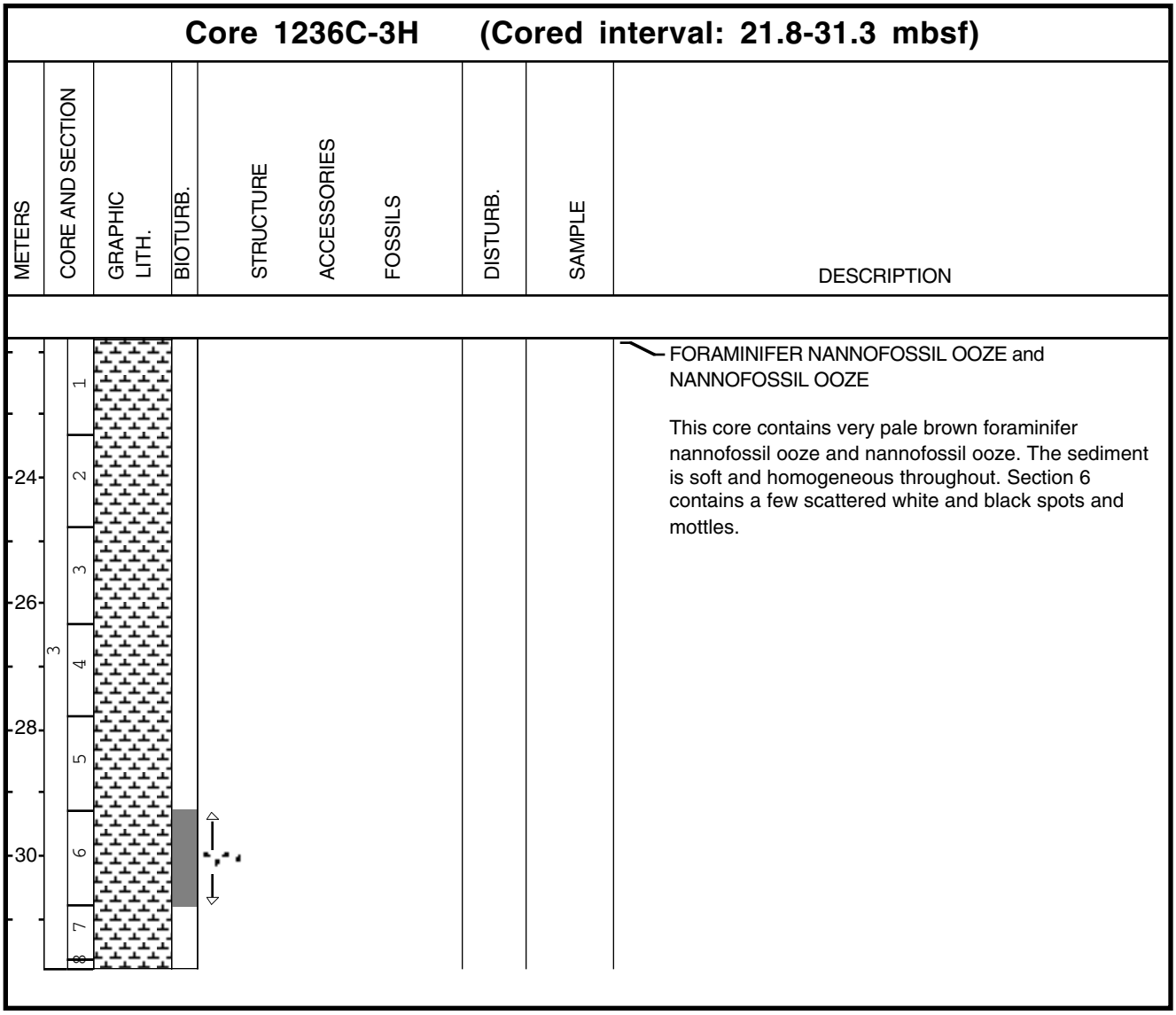
Core Photo


Core 1236C-1H (Cored interval: 2.8-12.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
4
6
8
10
12
1
2
3
4
5
6
7
CLAY-BEARING FORAMINIFER NANNOFOSSIL OOZE and CLAY- and FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains a very pale brown clay-bearing foraminifer nannofossil ooze and clay- and foraminifer-bearing nannofossil ooze. Diffuse contacts bound darker-colored volcanic ash-bearing intervals in Section 3, 14-80 cm and Section 4, 30-105 cm. Gray mottles occur throughout both of these intervals, indicative of bioturbation.
PAL

Core Photo

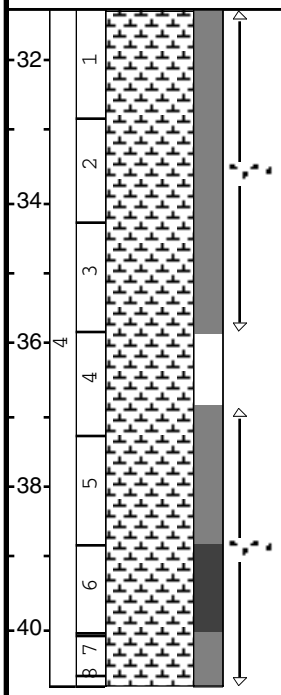

Core 1236C-2H (Cored interval: 12.3-21.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
14
16
18
20
22
2
1
2
3
4
5
6
7
8
SS
CLAY-BEARING FORAMINIFER NANNOFOSSIL OOZE
This core contains homogeneous clay-bearing foraminifer nannofossil ooze with gradational color changes between very pale brown and white. There is a light brown ash layer in Section 2 that appears to have been deposited at ~117 cm, but is bioturbated in both directions, extending from 99-127 cm. Section 5 contains a light gray patch from 28-33 cm. There is very little mottling in this core. Section 5 contains a light brown mottle at 90 cm and a diffuse light brown layer at 103 cm. There is a 2-3 cm void at the base of Section 6.

Core Photo


Core 1236C-3H (Cored interval: 21.8-31.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
24
26
28
30
3
1
2
3
4
5
6
7
8
FORAMINIFER NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains very pale brown foraminifer nannofossil ooze and nannofossil ooze. The sediment is soft and homogeneous throughout. Section 6 contains a few scattered white and black spots and mottles.

Core Photo

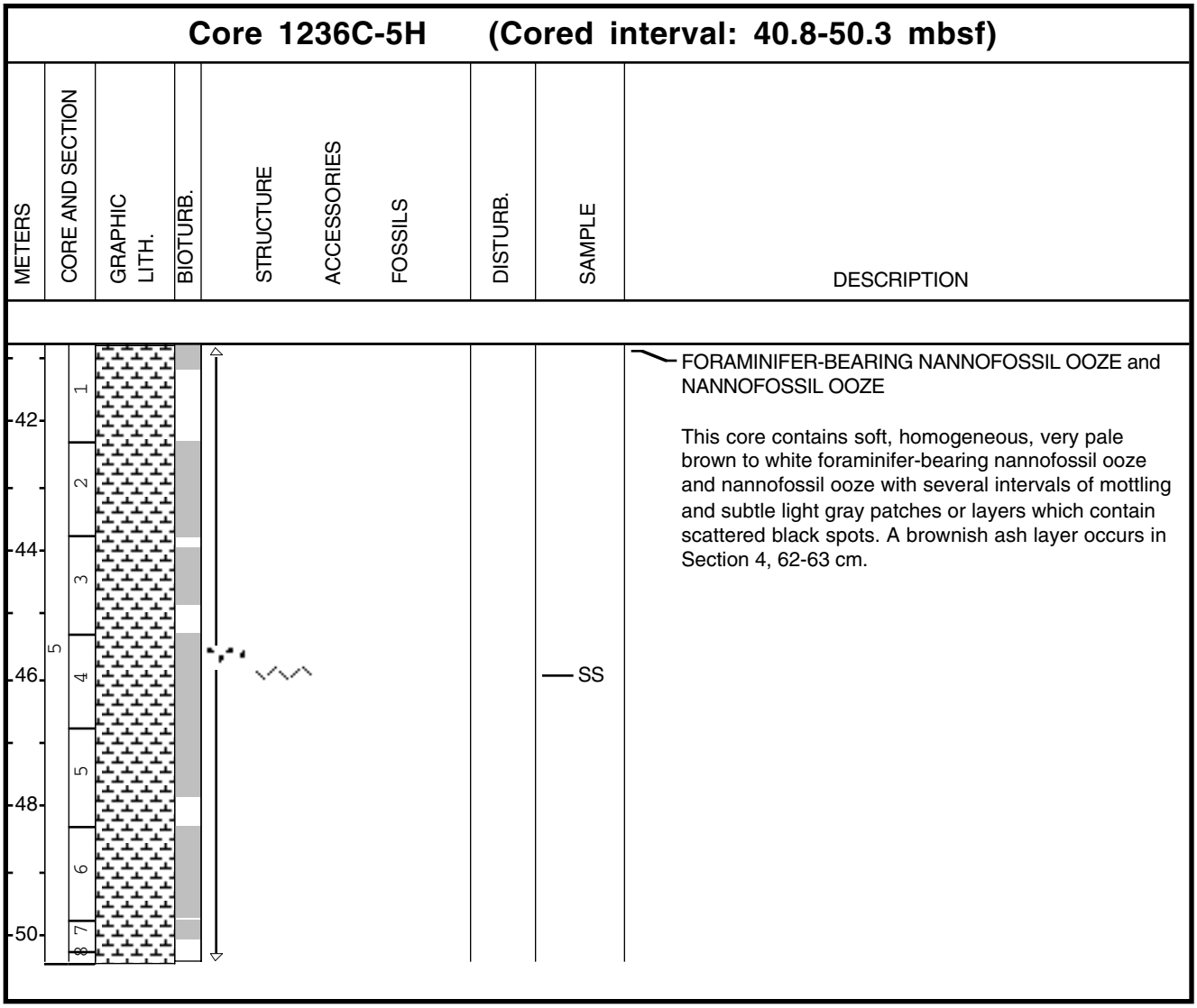
Core 1236C-4H (Cored interval: 31.3-40.8 mbsf)



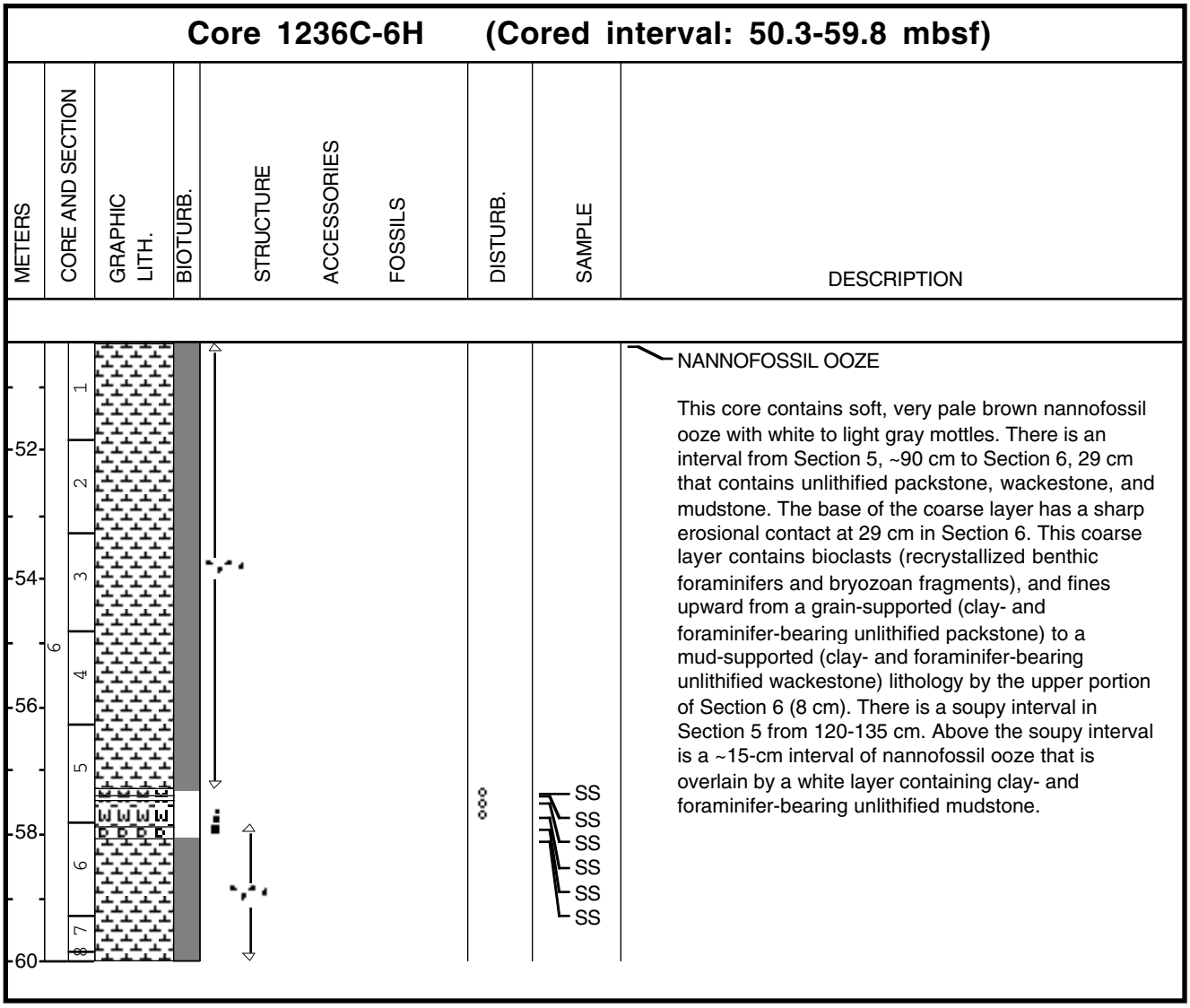
FORAMINIFER NANNOFOSSIL OOZE, CLAY-BEARING NANNOFOSSIL OOZE, and NANNOFOSSIL OOZE

This core contains soft, homogeneous, very pale brown to white foraminifer nannofossil ooze, clay-bearing nannofossil ooze, and nannofossil ooze with several intervals of mottling and subtle light gray specks. Mottling intensity varies from low in Section 4 to moderate in Sections 1-3 to high in Section 6. Many mottles have a light gray halo. The light gray specks are more frequent in Sections 1-4.

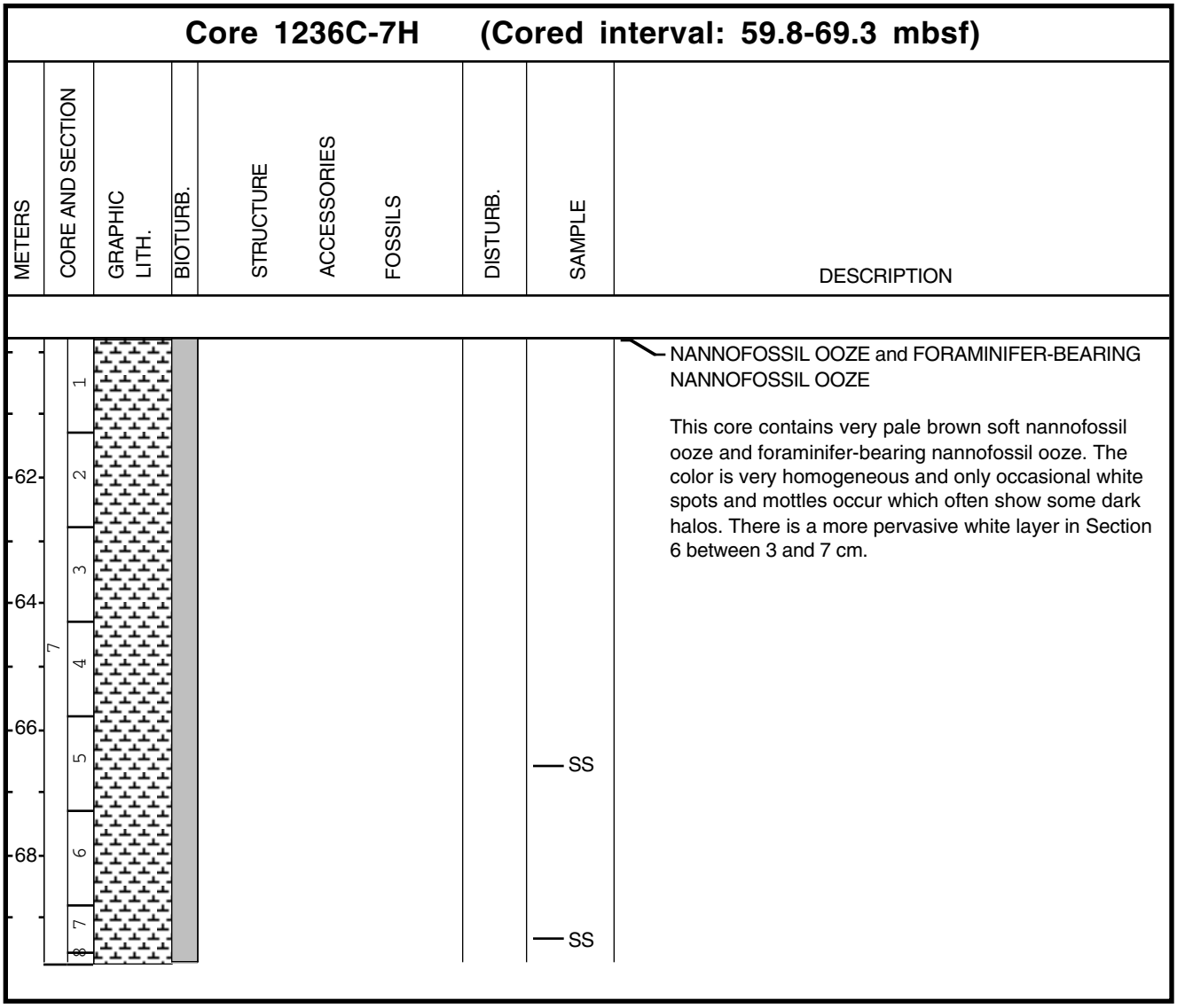
Core Photo


Core 1236C-5H (Cored interval: 40.8-50.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
42
44
46
48
50
5
1
2
3
4
5
6
7
8
SS
FORAMINIFER-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains soft, homogeneous, very pale brown to white foraminifer-bearing nannofossil ooze and nannofossil ooze with several intervals of mottling and subtle light gray patches or layers which contain scattered black spots. A brownish ash layer occurs in Section 4, 62-63 cm.

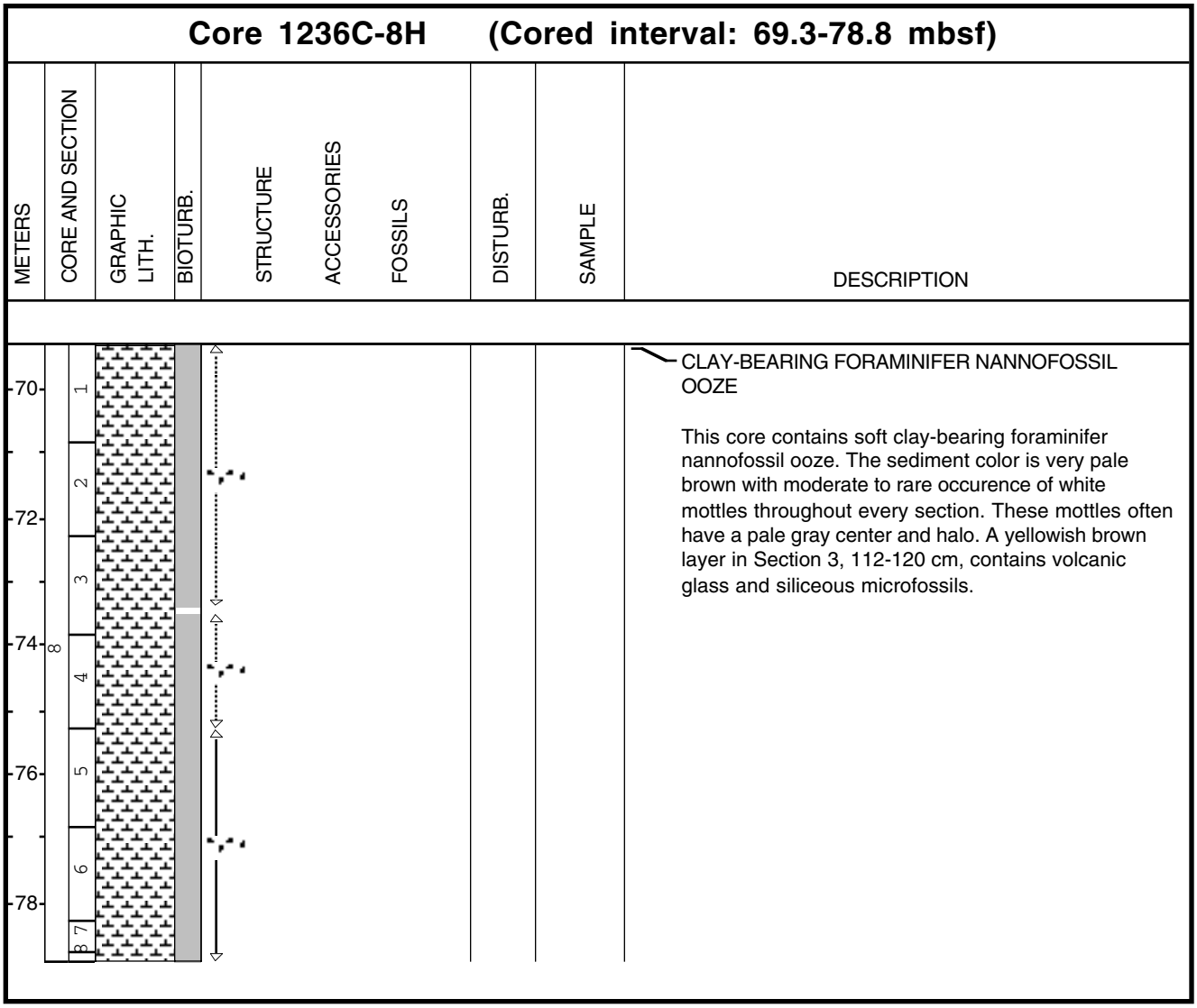
Core Photo


Core 1236C-6H (Cored interval: 50.3-59.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
52
54
56
58
60
6
1
2
3
4
5
6
7
8
SS
SS
SS
SS
SS
SS
NANNOFOSSIL OOZE
This core contains soft, very pale brown nannofossil ooze with white to light gray mottles. There is an interval from Section 5, ~90 cm to Section 6, 29 cm that contains unlithified packstone, wackestone, and mudstone. The base of the coarse layer has a sharp erosional contact at 29 cm in Section 6. This coarse layer contains bioclasts (recrystallized benthic foraminifers and bryozoan fragments), and fines upward from a grain-supported (clay- and foraminifer-bearing unlithified packstone) to a mud-supported (clay- and foraminifer-bearing unlithified wackestone) lithology by the upper portion of Section 6 (8 cm). There is a soupy interval in Section 5 from 120-135 cm. Above the soupy interval is a ~15-cm interval of nannofossil ooze that is overlain by a white layer containing clay- and foraminifer-bearing unlithified mudstone.

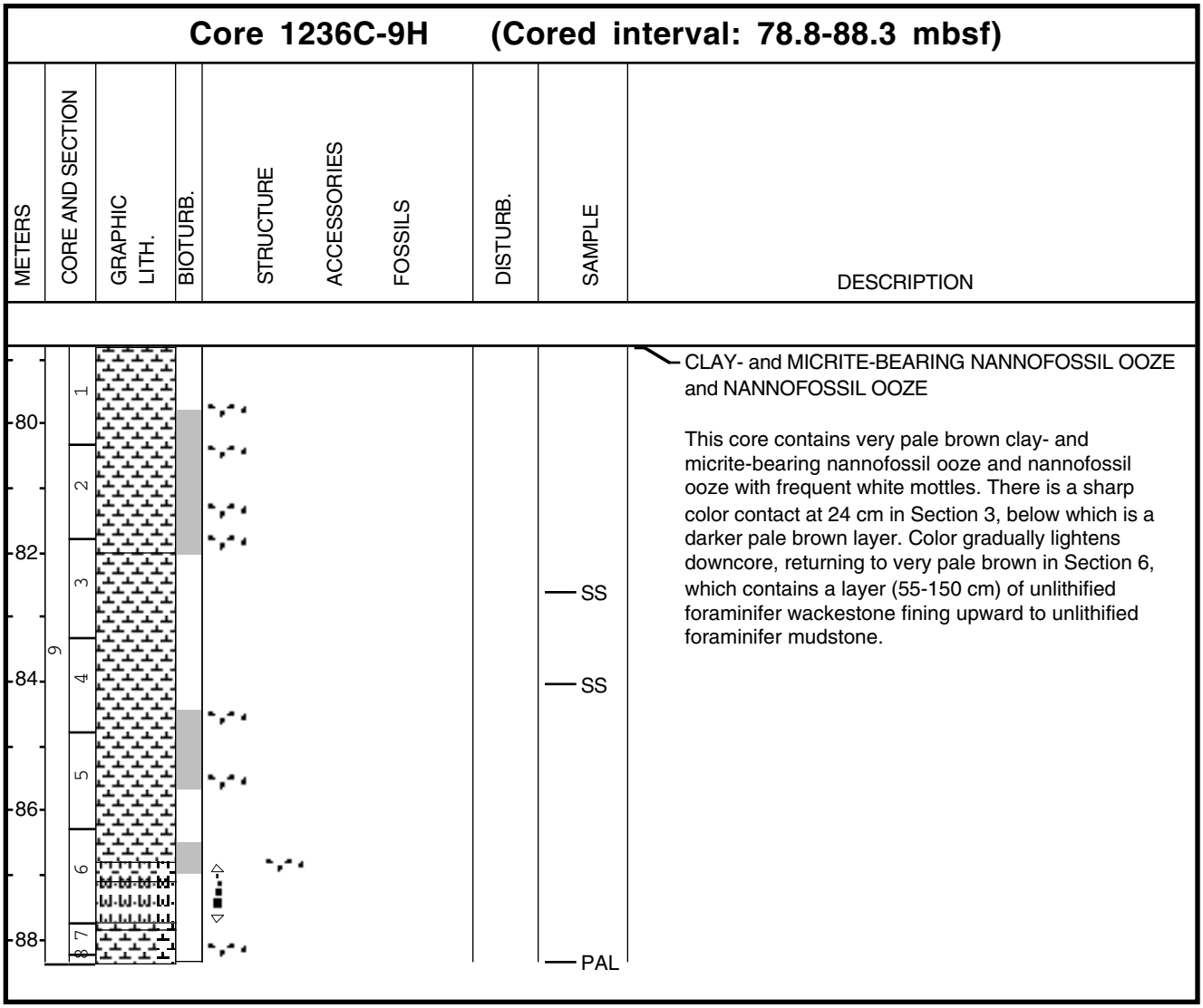
Core Photo


Core 1236C-7H (Cored interval: 59.8-69.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
62
64
66
68
7
1
2
3
4
5
6
7
8
SS
SS
NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains very pale brown soft nannofossil ooze and foraminifer-bearing nannofossil ooze. The color is very homogeneous and only occasional white spots and mottles occur which often show some dark halos. There is a more pervasive white layer in Section 6 between 3 and 7 cm.

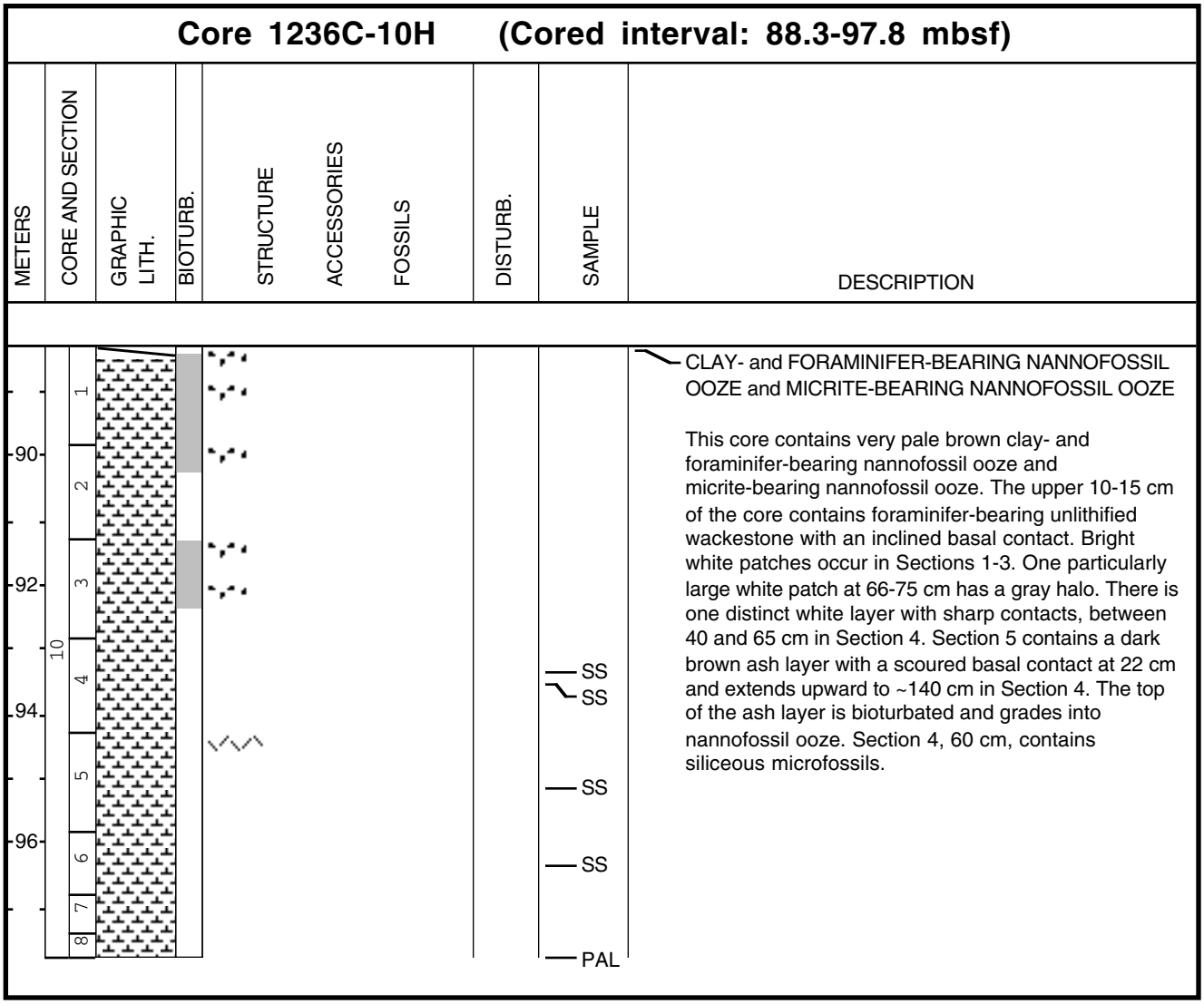
Core Photo


Core 1236C-8H (Cored interval: 69.3-78.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
70
72
74
76
78
8
1
2
3
4
5
6
CC
7
CLAY-BEARING FORAMINIFER NANNOFOSSIL OOZE
This core contains soft clay-bearing foraminifer nannofossil ooze. The sediment color is very pale brown with moderate to rare occurence of white mottles throughout every section. These mottles often have a pale gray center and halo. A yellowish brown layer in Section 3, 112-120 cm, contains volcanic glass and siliceous microfossils.

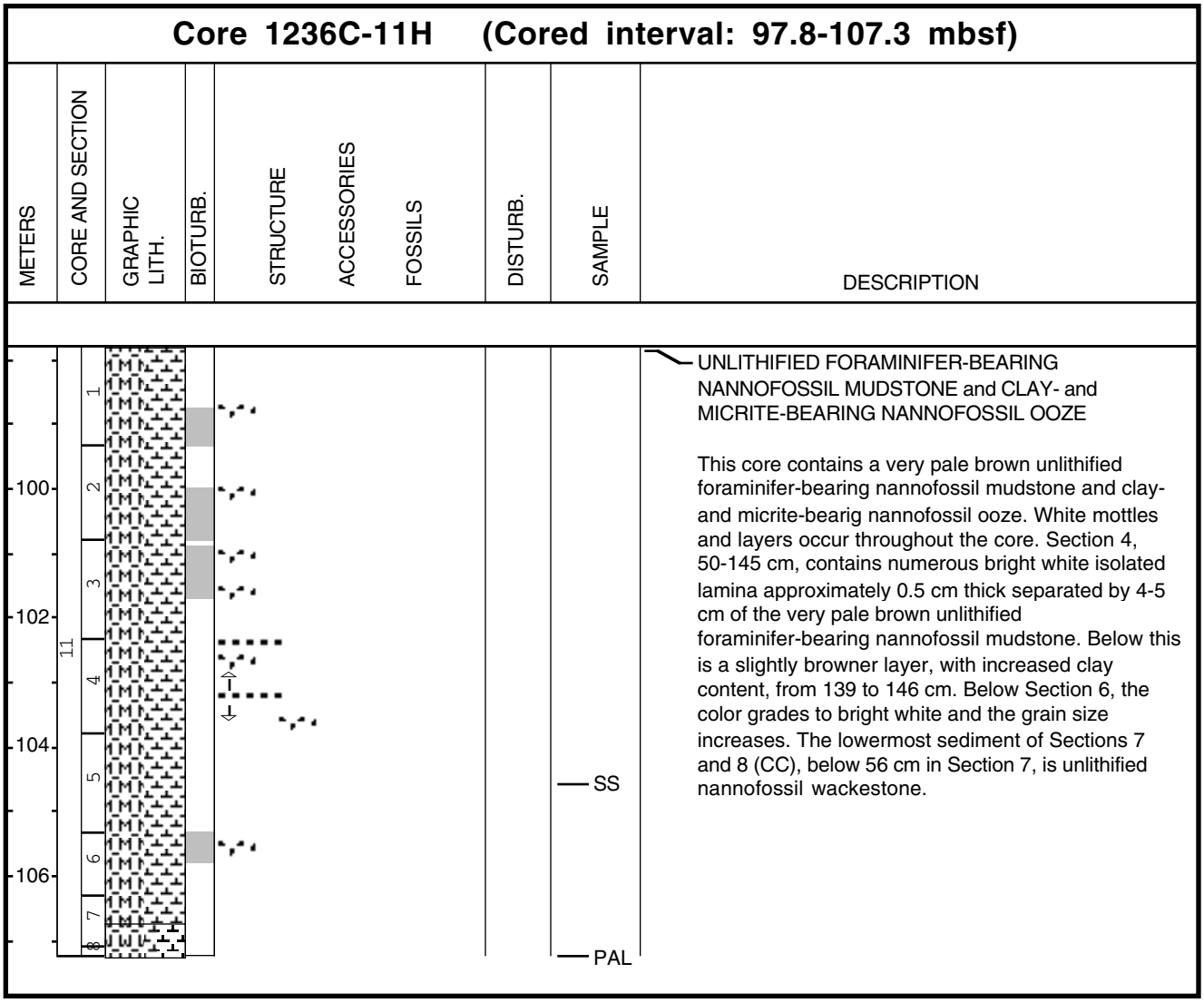
Core Photo


Core 1236C-9H (Cored interval: 78.8-88.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
80
82
84
86
88
9
1
2
3
4
5
6
7
8
SS
SS
PAL
CLAY- and MICRITE-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains very pale brown clay- and micrite-bearing nannofossil ooze and nannofossil ooze with frequent white mottles. There is a sharp color contact at 24 cm in Section 3, below which is a darker pale brown layer. Color gradually lightens downcore, returning to very pale brown in Section 6, which contains a layer (55-150 cm) of unlithified foraminifer wackestone fining upward to unlithified foraminifer mudstone.

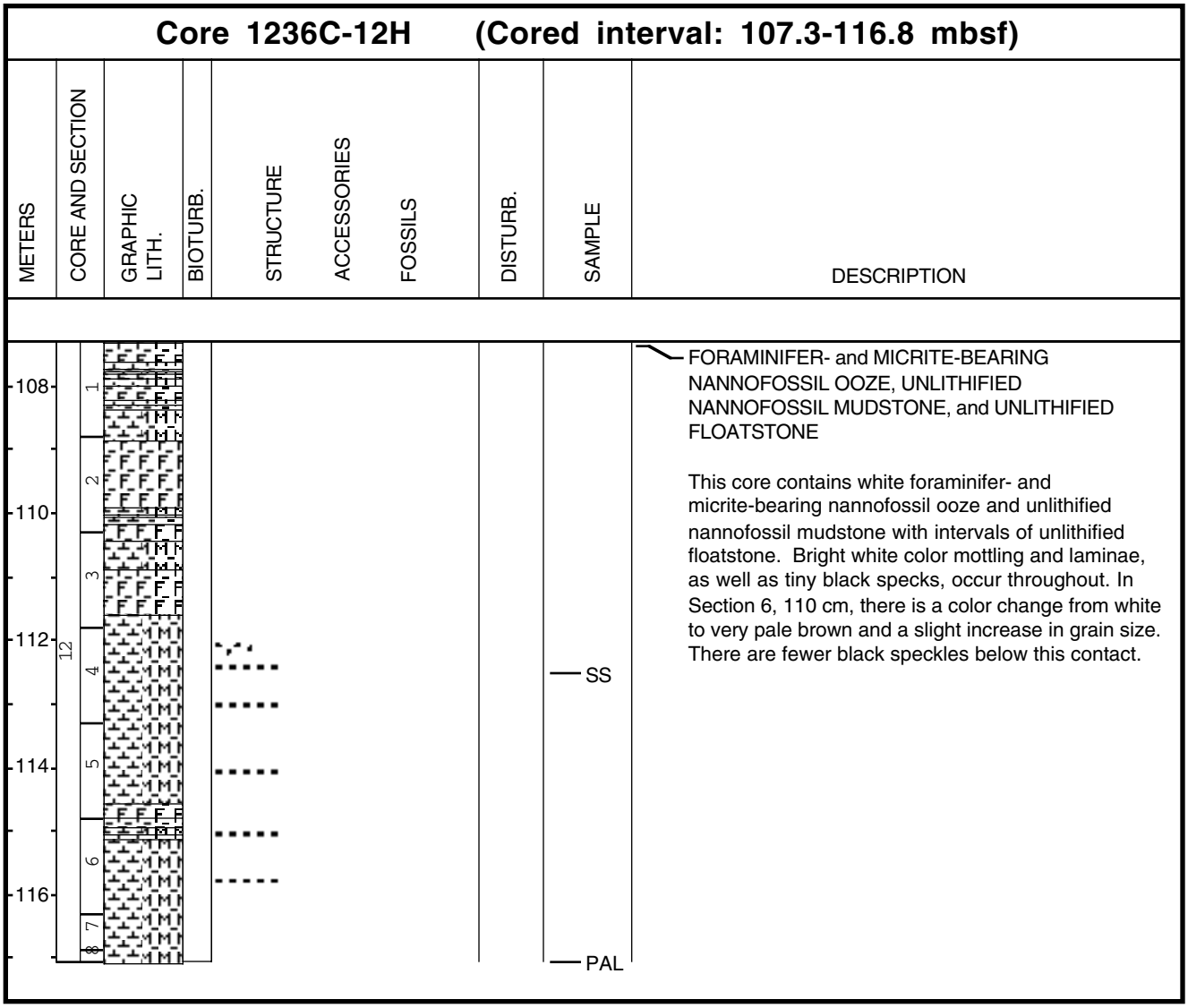
Core Photo


Core 1236C-10H (Cored interval: 88.3-97.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
90
92
94
96
10
1
2
3
4
5
6
7
8
SS
SS
SS
SS
PAL
CLAY- and FORAMINIFER-BEARING NANNOFOSSIL OOZE and MICRITE-BEARING NANNOFOSSIL OOZE
This core contains very pale brown clay- and foraminifer-bearing nannofossil ooze and micrite-bearing nannofossil ooze. The upper 10-15 cm of the core contains foraminifer-bearing unlithified wackestone with an inclined basal contact. Bright white patches occur in Sections 1-3. One particularly large white patch at 66-75 cm has a gray halo. There is one distinct white layer with sharp contacts, between 40 and 65 cm in Section 4. Section 5 contains a dark brown ash layer with a scoured basal contact at 22 cm and extends upward to ~140 cm in Section 4. The top of the ash layer is bioturbated and grades into nannofossil ooze. Section 4, 60 cm, contains siliceous microfossils.

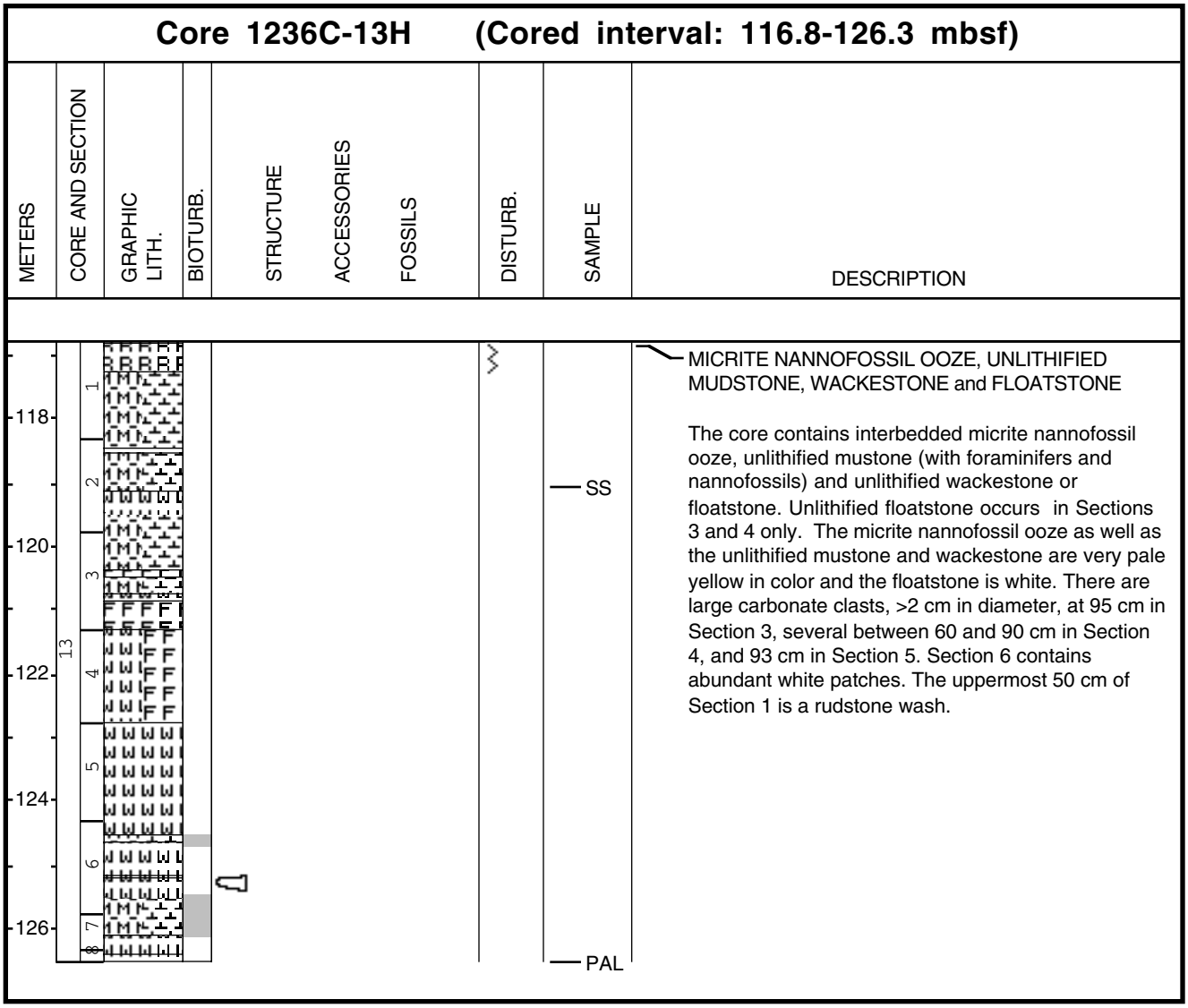
Core Photo


Core 1236C-11H (Cored interval: 97.8-107.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
100
102
104
106
11
1
2
3
4
5
6
7
8
SS
PAL
UNLITHIFIED FORAMINIFER-BEARING NANNOFOSSIL MUDSTONE and CLAY- and MICRITE-BEARING NANNOFOSSIL OOZE
This core contains a very pale brown unlithified foraminifer-bearing nannofossil mudstone and clay- and micrite-bearig nannofossil ooze. White mottles and layers occur throughout the core. Section 4, 50-145 cm, contains numerous bright white isolated lamina approximately 0.5 cm thick separated by 4-5 cm of the very pale brown unlithified foraminifer-bearing nannofossil mudstone. Below this is a slightly browner layer, with increased clay content, from 139 to 146 cm. Below Section 6, the color grades to bright white and the grain size increases. The lowermost sediment of Sections 7 and 8 (CC), below 56 cm in Section 7, is unlithified nannofossil wackestone.

Core Photo

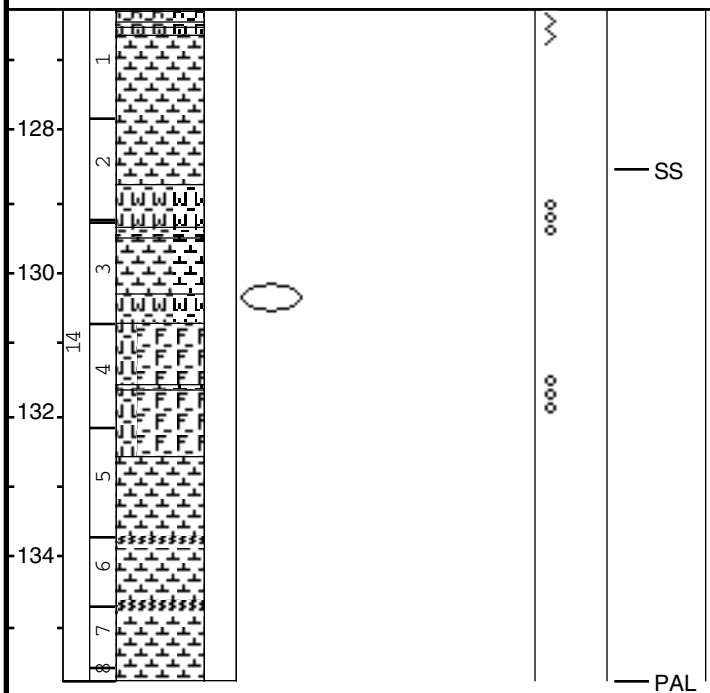

Core 1236C-12H (Cored interval: 107.3-116.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
108
110
112
114
116
12
1
2
3
4
5
6
7
8
SS
PAL
FORAMINIFER- and MICRITE-BEARING NANNOFOSSIL OOZE, UNLITHIFIED
NANNOFOSSIL MUDSTONE, and UNLITHIFIED FLOATSTONE
This core contains white foraminifer- and micrite-bearing nannofossil ooze and unlithified nannofossil mudstone with intervals of unlithified floatstone. Bright white color mottling and laminae, as well as tiny black specks, occur throughout. In Section 6, 110 cm, there is a color change from white to very pale brown and a slight increase in grain size. There are fewer black speckles below this contact.

Core Photo


Core 1236C-13H (Cored interval: 116.8-126.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
118
120
122
124
126
13
1
2
3
4
5
6
7
8
SS
PAL
MICRITE NANNOFOSSIL OOZE, UNLITHIFIED MUDSTONE, WACKESTONE and FLOATSTONE
The core contains interbedded micrite nannofossil ooze, unlithified mustone (with foraminifers and nannofossils) and unlithified wackestone or floatstone. Unlithified floatstone occurs in Sections 3 and 4 only. The micrite nannofossil ooze as well as the unlithified mustone and wackestone are very pale yellow in color and the floatstone is white. There are large carbonate clasts, >2 cm in diameter, at 95 cm in Section 3, several between 60 and 90 cm in Section 4, and 93 cm in Section 5. Section 6 contains abundant white patches. The uppermost 50 cm of Section 1 is a rudstone wash.

Core Photo

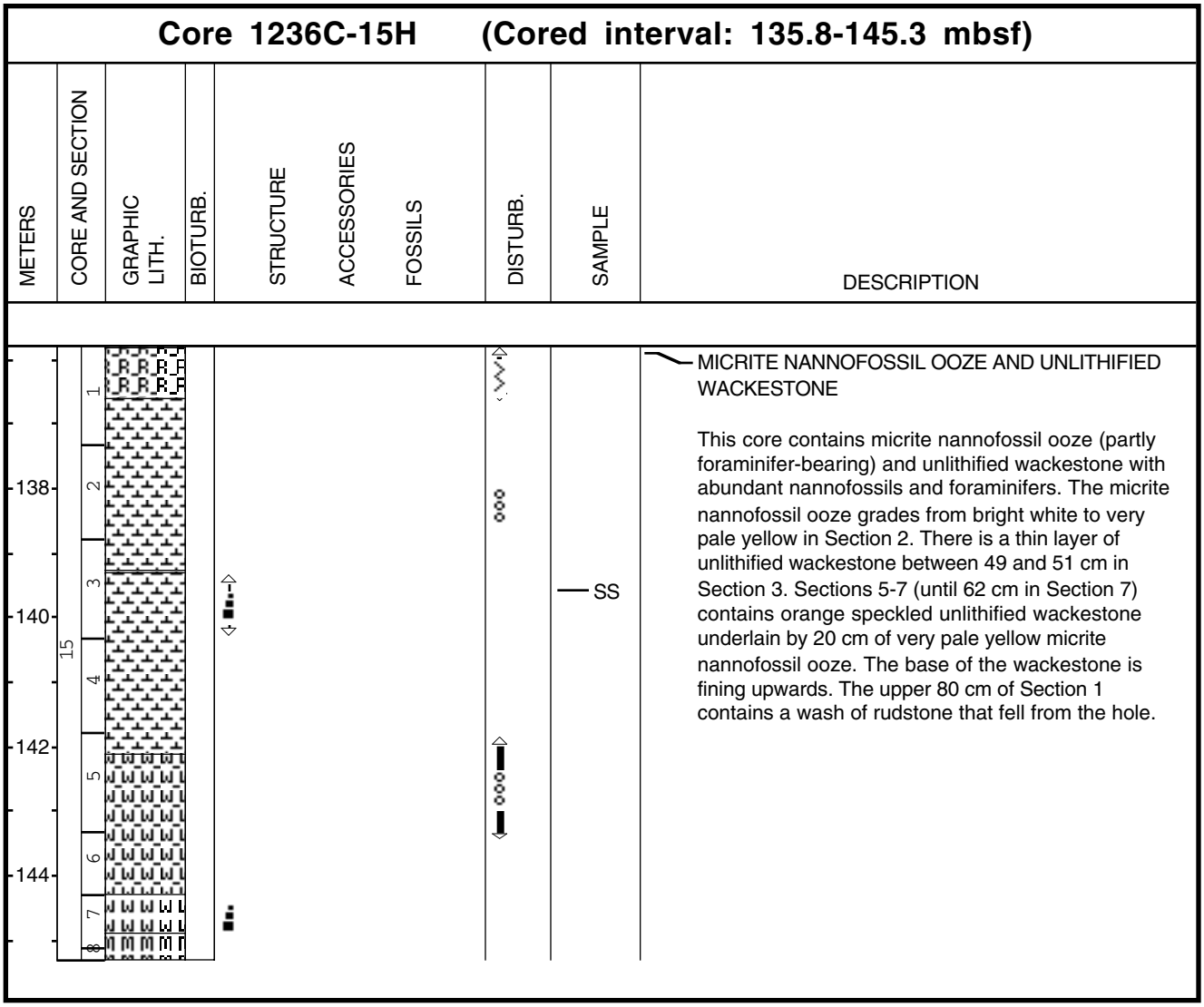
Core 1236C-14H (Cored interval: 126.3-135.8 mbsf)



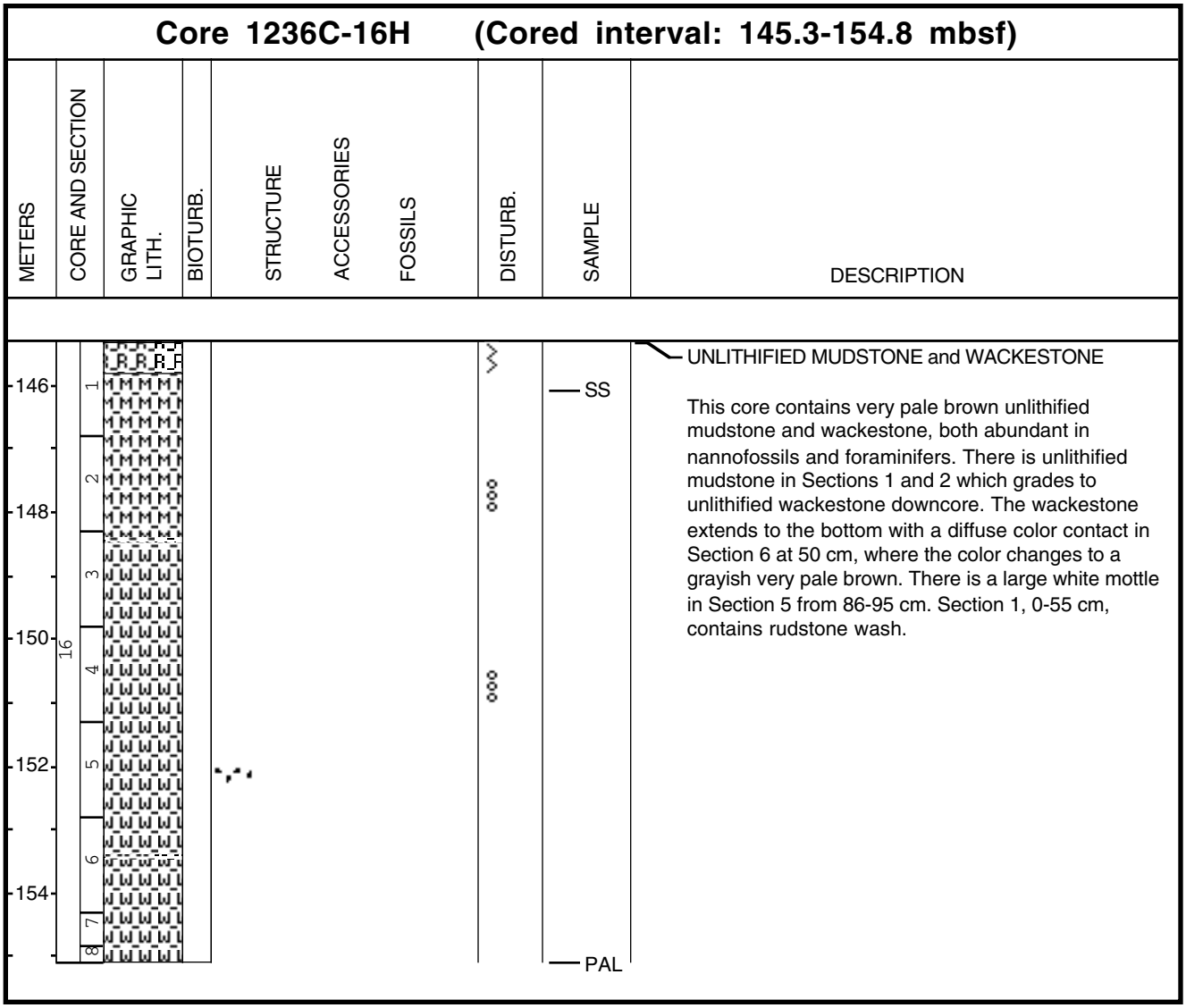
MICRITE NANNOFOSSIL OOZE, UNLITHIFIED WACKESTONE, AND FLOATSTONE

This core contains micrite nannofossil ooze (partly foraminifer-bearing) and interbedded unlithified wackestone and floatstone. There are several upward fining sequences of unlithified floastone and wackestone. These intervals have a shap bottom and a gradational upper boundary to micrite nannofossil ooze. Unlithified floatstone is paritcularly abundant in Section 4. There is a color change between Sections 5 and 6, where the micrite nannofossil ooze becomes very pale yellow. The uppermost 17 cm contain a unlithified rudstone wash.

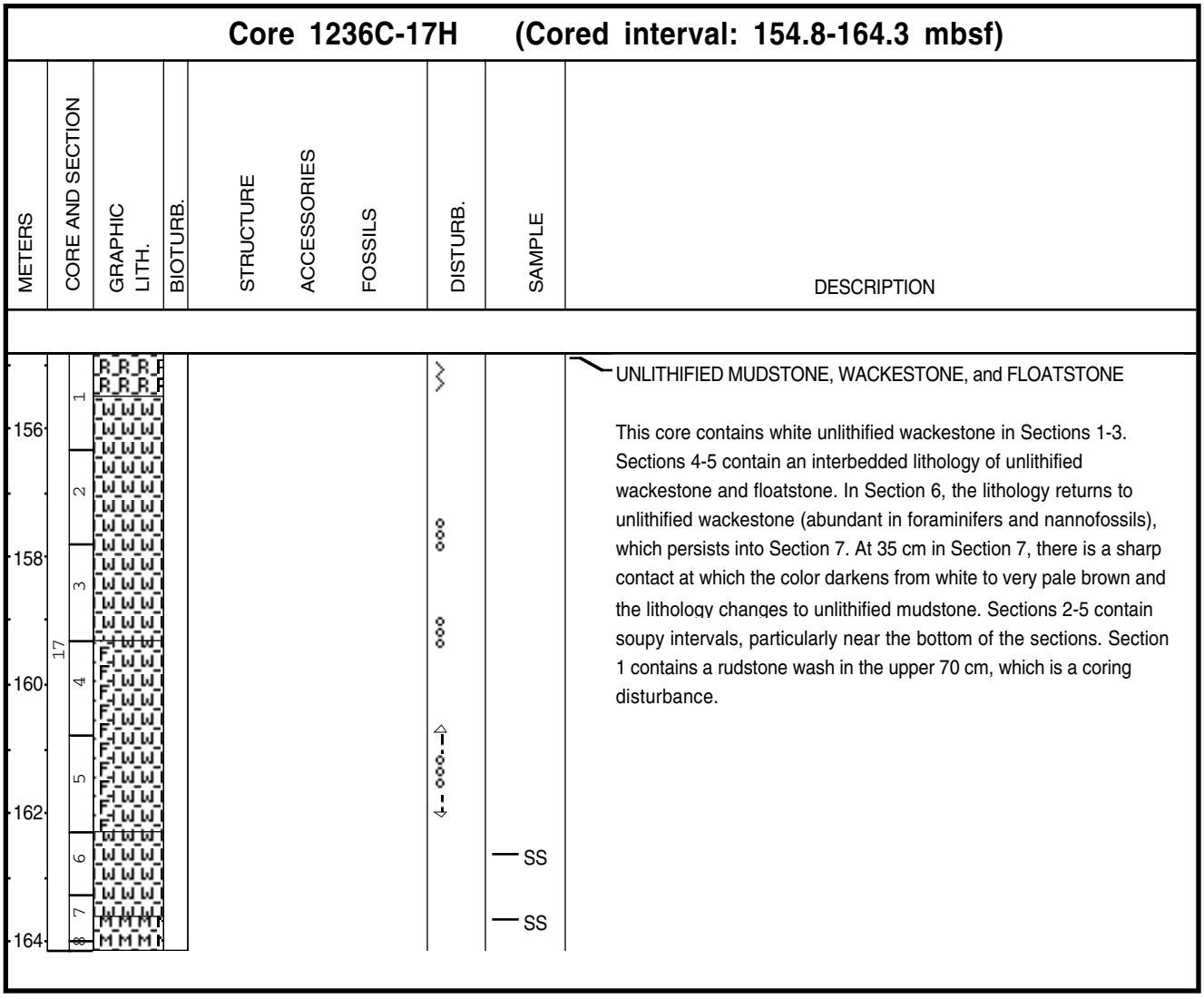
Core Photo


Core 1236C-15H (Cored interval: 135.8-145.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
138
140
142
144
15
1
2
3
4
5
6
7
8
SS
MICRITE NANNOFOSSIL OOZE AND UNLITHIFIED WACKESTONE
This core contains micrite nannofossil ooze (partly foraminifer-bearing) and unlithified wackestone with abundant nannofossils and foraminifers. The micrite nannofossil ooze grades from bright white to very pale yellow in Section 2. There is a thin layer of unlithified wackestone between 49 and 51 cm in Section 3. Sections 5-7 (until 62 cm in Section 7) contains orange speckled unlithified wackestone underlain by 20 cm of very pale yellow micrite nannofossil ooze. The base of the wackestone is fining upwards. The upper 80 cm of Section 1 contains a wash of rudstone that fell from the hole.

Core Photo

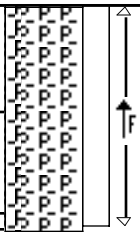

Core 1236C-16H (Cored interval: 145.3-154.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
146
148
150
152
154
16
1
2
3
4
5
6
7
8
SS
PAL
UNLITHIFIED MUDSTONE and WACKESTONE
This core contains very pale brown unlithified mudstone and wackestone, both abundant in nannofossils and foraminifers. There is unlithified mudstone in Sections 1 and 2 which grades to unlithified wackestone downcore. The wackestone extends to the bottom with a diffuse color contact in Section 6 at 50 cm, where the color changes to a grayish very pale brown. There is a large white mottle in Section 5 from 86-95 cm. Section 1, 0-55 cm, contains rudstone wash.

Core Photo


Core 1236C-17H (Cored interval: 154.8-164.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
156
158
160
162
164
17
1
2
3
4
5
6
7
SS
SS
UNLITHIFIED MUDSTONE, WACKESTONE, and FLOATSTONE
This core contains white unlithified wackestone in Sections 1-3. Sections 4-5 contain an interbedded lithology of unlithified wackestone and floatstone. In Section 6, the lithology returns to unlithified wackestone (abundant in foraminifers and nannofossils), which persists into Section 7. At 35 cm in Section 7, there is a sharp contact at which the color darkens from white to very pale brown and the lithology changes to unlithified mudstone. Sections 2-5 contain soupy intervals, particularly near the bottom of the sections. Section 1 contains a rudstone wash in the upper 70 cm, which is a coring disturbance.

Core Photo

Core 1236C-18H (Cored interval: 164.3-167.3 mbsf)

METERS	CORE AND SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
166	18 1 2 3								UNLITHIFIED PACKSTONE and RUDSTONE This core contains three upward-fining sequences of white unlithified rudstone to packstone. The base of the rudstone intervals (which comprise ~25% of the core) is sharp while the transition to the overlying packstones is gradational.

Sample					Texture				Mineral																													Biogenic										Rock			
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Clay Mineral (47)	Clinopyroxene (49)	Dolomite (62)	Epidote (67)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Hematite (90)	Inorganic Calcite (97)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Oxides (146)	Palagonite (148)	Phillipsite (155)	Pyrite (169)	Pyroxene (171)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Diatoms (58)	Discoaster (61)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Unknown (258)	Bioclasts (21)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole A																																																
1	H	1	0	0	D	0	0	100	R	22			R	R						R		R	1	R					R		R				33	44		R	R	R			R		clay-bearing foram nanno ooze
1	H	1	75	0.75	D	0	0	100		14				R									1												28	56							R		clay-bearing foram nanno ooze
1	H	2	92	2.42	D	0	0	100		14			R											R											29	57									caly-bearing foram nanno ooze
1	H	2	123	2.73	M								R																						30	70									foram nannofossil ooze
1	H	3	75	3.76	D	0	0	100		12			R	R																						38	50			R						clay-bearing foram nanno ooze
2	H	1	75	5.35	D	0	0	100	R	14			R	R								R								R					29	57									clay-bearing foram nanno ooze
2	H	1	98	5.58	M	0	0	100		7												R								31					10	52									vitric foram nanno ooze
2	H	2	55	6.66	D	0	0	100		14																				R					29	57									clay-bearing foram nanno ooze
2	H	3	75	8.37	D	0	9	91	R	13																				1					33	53									clay-bearing foram nanno ooze
2	H	6	125	13.4	M	0	0	100	R	10				R												R				8					11	50								11	clay and ash bearing foram nanno ooze
3	H	1	75	14.85	D	0	0	100		8																									22	70									foram nannofossil ooze
3	H	3	75	17.69	D	0	0	100		10																									20	70									clay-bearing foram nanno ooze
4	H	1	75	24.35	D	0	0	100		5									R																8	87									nannofossil ooze
4	H	3	75	27.39	D																														7	93									nannofossil ooze
4	H	5	87	30.53	D	0	0	100		5																									25	70									foram nannofossil ooze
4	H	6	90	32.07	M	0	0	100		5		R																							25	70									foram nannofossil ooze
5	H	1	75	33.85	D	0	0	100		7																									15	78									foram nannofossil ooze
5	H	3	75	36.8	D	0	0	100		10																									12	78									clay-bearing foram nanno ooze
6	H	1	75	43.35	D																												37	1	62									nannofossil ooze
6	H	3	75	46.37	D						R			R								R													3	97									nannofossil ooze
6	H	5	40	49	D								R																	R					R	100									nannofossil ooze
7	H	1	75	52.85	D																														6	94									nannofossil ooze
7	H	2	50	54.12	M																														16	84									nannofossil ooze
7	H	3	75	55.88	D																														5	95									nannofossil ooze
7	H	6	99	60.65	M																														19	81									nannofossil ooze
7	H	6	131	60.97	D																														18	82									nannofossil ooze
8	H	1	75	62.35	D	0	0	100		18				R											2		R								9	70			2						clay-bearing foram nanno ooze
8	H	2	92	64.03	M	0	0	100		10																									10	80			R						clay-bearing foram nanno ooze
9	H	1	60	71.7	M					9														R						9		9		6	57		6	4						clay-bearing nannofossil ooze
9	H	2	110	73.71	M	0	0	100		8				R											2					R					17	68			5						foram nannofossil ooze
9	H	3	75	74.87	D	0	0	100		18				R											2					R					18	56		R		6					clay-bearing foram nanno ooze
10	H	1	75	81.35	D	0	0	100		9											R				R										5	86			R						nannofossil ooze - abundant discoaster
10	H	3	75	84.36	D					8									8																33									50	unlithified wackestone
11	H	1	75	90.85	D					18															R										9	73									clay-bearing foram nannofossil ooze
11	H	1	122	91.32	D					10															2										10	78									clay-bearing foram nannofossil ooze
11	H	2	90	92.51	M				R	16				R								R								3					16	65									clay-bearing foram nannofossil ooze
12	H	2	49	101.6	M					18				R												R									11	71									clay-bearing foram nannofossil ooze
12	H	5	75	106.39	D					5																									20	30								45	unlithified wackestone
13	H	1	75	109.85	D														7																18	56								18	foram nannofossil ooze
13	H	3	75	112.87	D					5																									10	35								50	unlithified wackestone
13	H	3	109	113.21	D					3																									7	20								70	unlithified wackestone
14	H	1	75	119.35	D						R																								7	45								48	unlithified wackestone
14	H	3	75	122.38	D						R																								4	68								27	micritic nannofossil ooze
15	H	2	75	130.36	D						R			R																					16	42								42	micritic foram nannofossil ooze
15	H	7	30	137.45	D																														14	28								57	unlithified wackestone

Sample					Texture				Mineral																										Biogenic										Rock			
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Clay Mineral (47)	Clinopyroxene (49)	Dolomite (62)	Epidote (67)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Hematite (90)	Inorganic Calcite (97)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Oxides (146)	Palagonite (148)	Phillipsite (155)	Pyrite (169)	Pyroxene (171)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Diatoms (58)	Discoaster (61)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Unknown (258)	Bioclasts (21)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole A (continued)																																														
16	H	1	75	138.35	D																													7	47							47		unlithified wackestone
16	H	2	75	139.85	D																													4	14					10	71		unlithified wackestone
17	H	1	75	142.35	D																													5	5						90		unlithified wackestone
17	H	1	76	142.36	M						1																							7	3						89		unlithified wackestone
17	H	3	75	145.37	D						R			2																				24	R						73		unlithified wackestone
18	H	1	75	151.85	M						R																							7	R						93		unlithified wackestone
18	H	3	75	154.87	D						R			R																				14	R						86		unlithified wackestone
18	H	4	22	155.82	M						R			R									R						R					12	18						70		unlithified wackestone
19	H	1	75	161.35	D					4																								2							94		unlithified wackestone
19	H	3	75	164.37	D					9																								2							89		unlithified wackestone
19	H	4	98	166.11	D					4																								R							96		unlithified wackestone
20	H	2	75	171.47	D																			R						R				24				3			73		unlithified wackestone
21	X	1	75	173.85	D					7											R													R	R						90		unlithified wackestone
21	X	3	24	176.36	M											9																		20							71		unlithified wackestone
21	X	3	75	176.87	D					5																								5							90		unlithified wackestone
22	X	1	75	183.55	D					5																								15	5						75		unlithified wackestone
22	X	2	105	185.36	M					10				R										69						1											20		devitrified volcanic ash
22	X	3	90	186.71	M					15						20																		5	5						55		glauconitic calcareous ooze
22	X	4	19	187.51	M					5				R										80						2					3						10		devitrified volcanic ash
22	X	5	25	189.08	M					5				2							R			3						60					5			2			22		micrite bearing volcanic glass
22	X	CC	22	191.4	D											6								R						R		4		14				14	R		61		volcanic glass?
22	X	CC	28	191.46	D					9																				2		R		18	6		R	9	R		56		
23	X	1	75	193.25	D				R	5				R																				2	20			2			71		calcareous ooze
23	X	3	75	196.27	D					10																								10	60						20		calcareous ooze
23	X	6	7	200.12	D					5						10																		5	40						40		
24	X	4	17	206.91	D											47								16		9				9				3							16		nearly completely glauconitized
24	X	4	69	207.43	M	17	33	50	R	38	5			25							18									13					R								
Hole B																																														
2	H	5	42	15.25	M																			2						6		R		29	50		2				6		ash bearing foram nannofossil ooze
2	H	6	42	16.75	D																													12	88								foram nannofossil ooze
7	H	2	75	58.56	M					10																				R				21	6						63		coarse layer
8	H	6	136	74.72	M					8																				12		5		8	50		8	8					(? ash bearing) siliceous nannofossil ooze
9	H	4	25	80.09	D																													14	82			4					nanno ooze
10	H	1	75	85.55	D									R																				5	71						24		nanno ooze
10	H	3	50	88.31	D																													R	48					R	52		wackestone
11	H	4	75	99.56	D																													15	74						11		foram bearing nanno ooze
12	H	5	35	110.18	M						R			R														R					25	25						50		unlithi. mud (wacke) stone forams nannos
12	H	7	75	113.61	D						R																							4	58						38		micritic nanno ooze
13	H	4	75	118.59	D									3																					81						16		
Hole C																																														
2	H	2	114	14.96	M	0	0	100		4																				3				7	33						50		ash layer? - many discoaster present
5	H	4	62	45.96	M	0	0	100		4				R										2						R				10	21						63		ash? - discoaster present
6	H	5	101	57.35	M					5																								15	20						60		white layer
6	H	5	110	57.44	D					5																								8	62						25		nannofossil ooze
6	H	5	120	57.54	M					1																								22	7						70		soupy top of coarse layer (foram & peloids)
6	H	5	140	57.74	M	0	0	100		7																								23	12						58		bottom of Section 5

Sample					Texture				Mineral																											Biogenic										Rock			
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Clay Mineral (47)	Clinopyroxene (49)	Dolomite (62)	Epidote (67)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Hematite (90)	Inorganic Calcite (97)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Oxides (146)	Palagonite (148)	Phillipsite (155)	Pyrite (169)	Pyroxene (171)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Diatoms (58)	Discoaster (61)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Unknown (258)	Bioclasts (21)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole C (continued)																																															
6	H	6	8	57.93	M	0	0	100		11				R																				4	32							53		very palebrown portion of coarse layer
6	H	6	29	58.14	M									R																				2	16							82		unlithified packstone
7	H	5	25	66.09	D					5															2									7	80			R				6		nannofossil ooze
7	H	7	50	69.36	M					4															2									10	80			R				4		nannofossil ooze
8	H	3	116	73.49	D					3													R							3		5		3	50		R	5				32		micritic nannofossil ooze
9	H	1	75	79.55	D					7																								7	57							29		micritic nannofossil ooze
9	H	3	75	82.58	D					16				R																				14	35					4	4	30		clay-bearing micritic foram-nanno ooze
9	H	4	75	84.08	D					3				R																				5	75							16		nannofossil ooze
10	H	4	50	93.32	M					4				R																	13				58					6		20		white layer; diatom and micrite-bearing nanno
10	H	4	75	93.57	D					9																								9	45							36		micritic nanno ooze
10	H	5	79	95.12	M					11	R			4								R								4				11	40							32		brown layer; clay-bearing micritic nanno ooze
10	H	6	50	96.34	D									R																				27	46							27		micritic foram-nanno ooze
11	H	5	75	104.6	D									R																				15	32							53		unlithified mudstone with forams and nannos
12	H	4	75	112.58	D					R																								8	40							50		unlithified mudstone with formas and nannos
13	H	2	75	119.06	D					R				3																				14	14						3	68		unlithified mudstone; foram and nanno bearing
14	H	2	75	128.56	D					R				R																				11	40					8		40		mudstone or nanno ooze; foram bearing
15	H	3	75	139.56	D					R				R																				15	25							60		unlifhified mudstone; nanno and foram bearing
16	H	1	75	146.05	D					3													R											R	16							80		unlithified wackestone
17	H	6	35	162.69	D					6																								15	15							63		unlithified wackestone
17	H	7	35	163.69	D					9																								2	5							85		unlithified mudstone