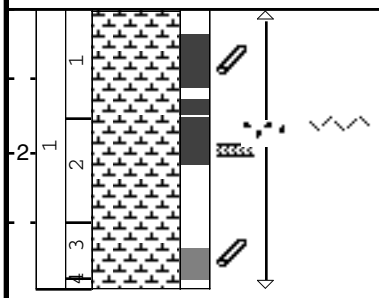
## Core Photo

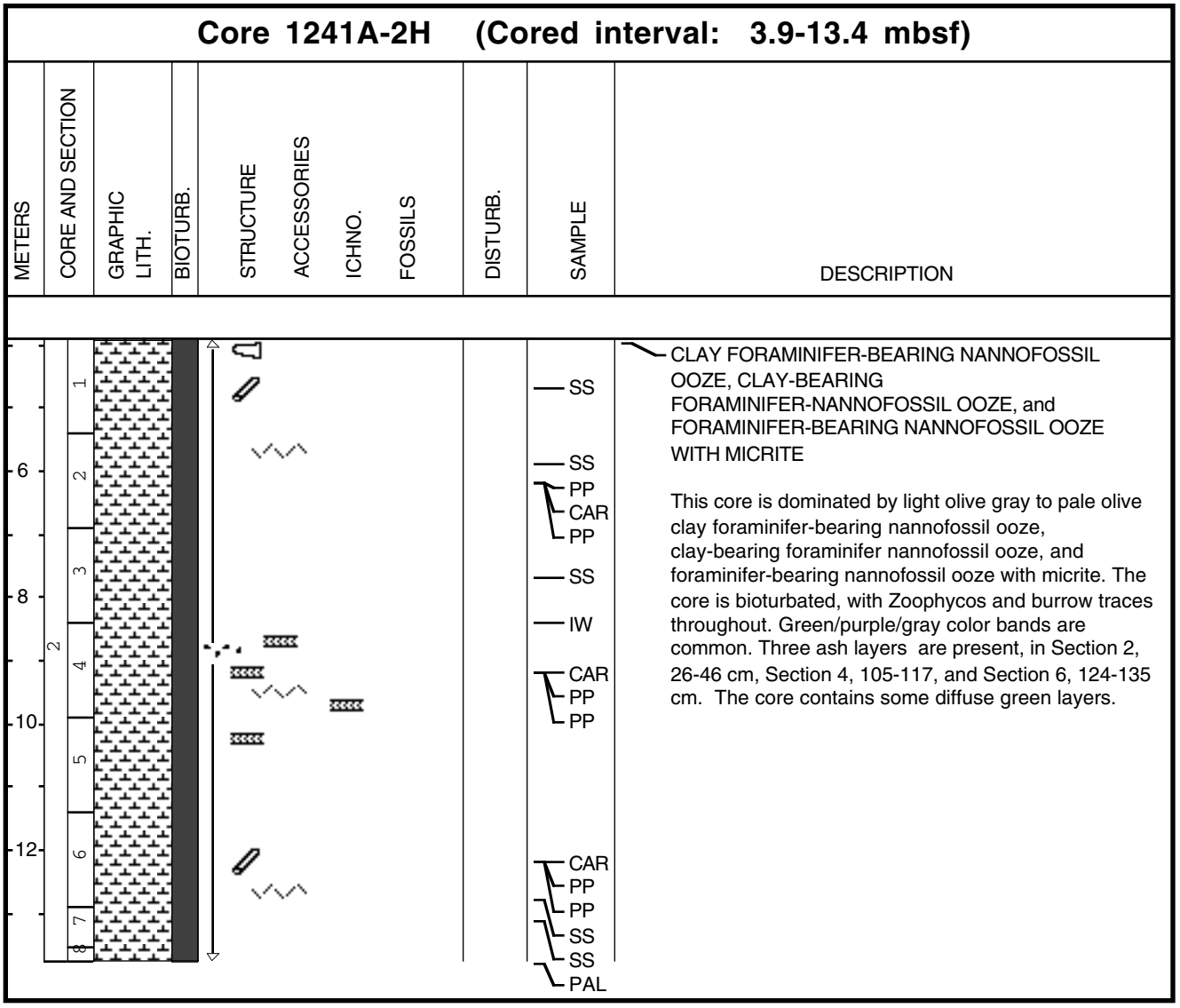
### Core 1241A-1H (Cored interval: 0.0-3.9 mbsf)




NANNOFOSSIL OOZE and CLAY-BEARING FORAMINIFER-NANNOFOSSIL OOZE

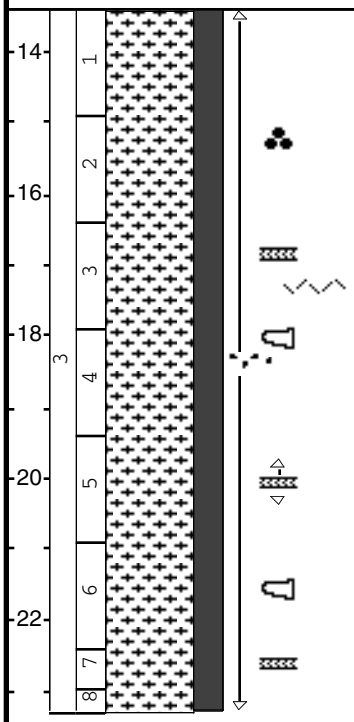
This core contains mottled and bioturbated clay-bearing foraminifer-nannofossil ooze and nannofossil ooze. Sediment color alternates between light olive gray with moderate mottling and olive gray containing foraminifer-rich layers and burrows. The upper 12 cm (mudline) is brown. Mottles within the light olive gray color have green or dark gray halos and diffuse green or dark gray banding. Burrow traces include Zoophycos. A number of foraminifer-rich spots and layers are present in Section 1, 43 cm (layer) and 115-120 cm (spots), and in Section 2, 116-127 cm (spots). The ash layer at the top of Section 2, between 9-14 cm, is coarse and very light brown. An ash spot is present 9 cm below the layer in Section 2.

## Core Photo


Core 1241A-2H (Cored interval: 3.9-13.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
6
8
10
12
2
1
2
3
4
5
6
7
8
SS
SS
PP
CAR
PP
SS
IW
CAR
PP
PP
CAR
PP
PP
SS
SS
PAL
CLAY FORAMINIFER-BEARING NANNOFOSSIL OOZE, CLAY-BEARING FORAMINIFER-NANNOFOSSIL OOZE, and FORAMINIFER-BEARING NANNOFOSSIL OOZE WITH MICRITE
This core is dominated by light olive gray to pale olive clay foraminifer-bearing nannofossil ooze, clay-bearing foraminifer nannofossil ooze, and foraminifer-bearing nannofossil ooze with micrite. The core is bioturbated, with Zoophycos and burrow traces throughout. Green/purple/gray color bands are common. Three ash layers are present, in Section 2, 26-46 cm, Section 4, 105-117, and Section 6, 124-135 cm. The core contains some diffuse green layers.

## Core Photo

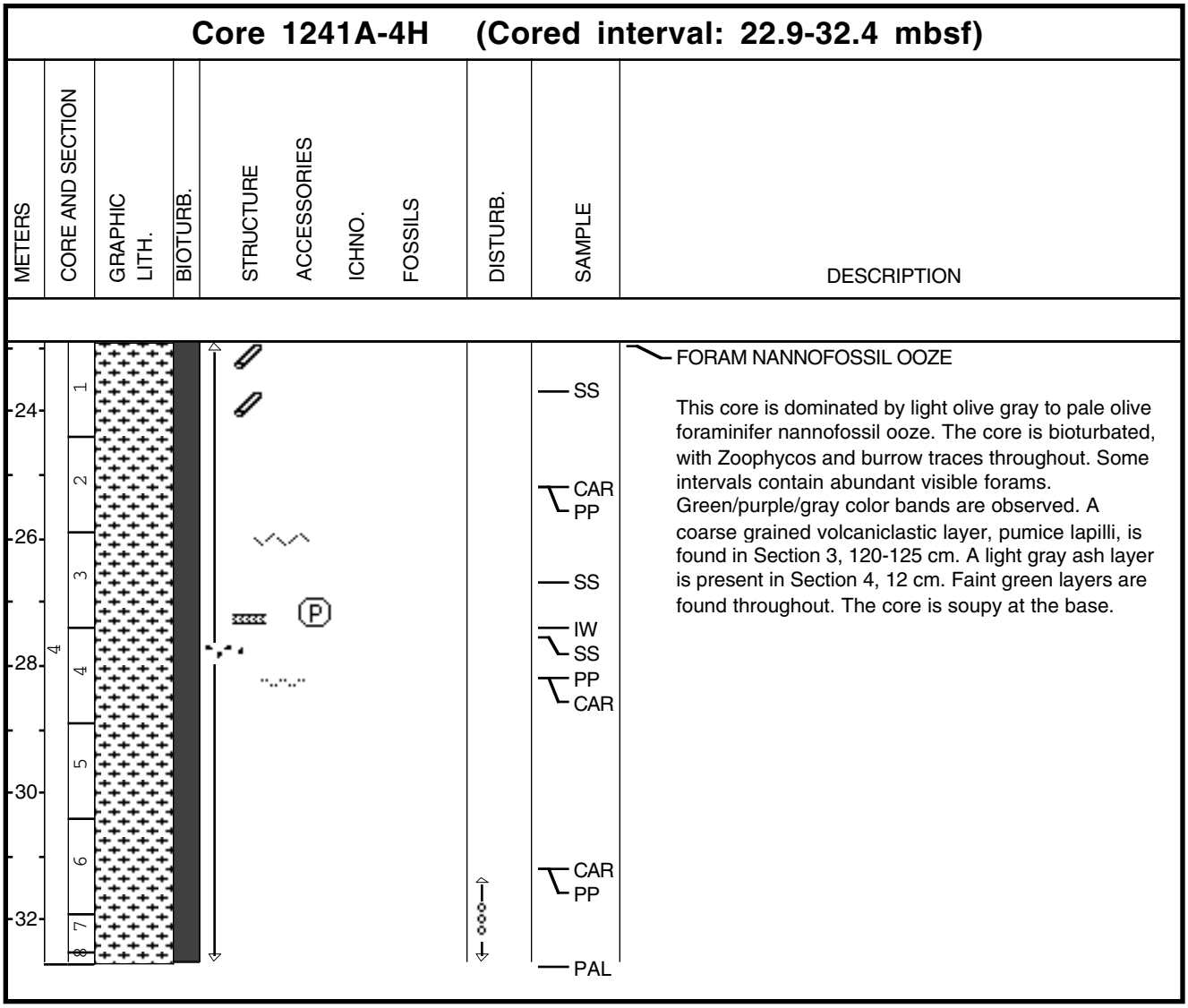
**Core 1241A-3H (Cored interval: 13.4-22.9 mbsf)**



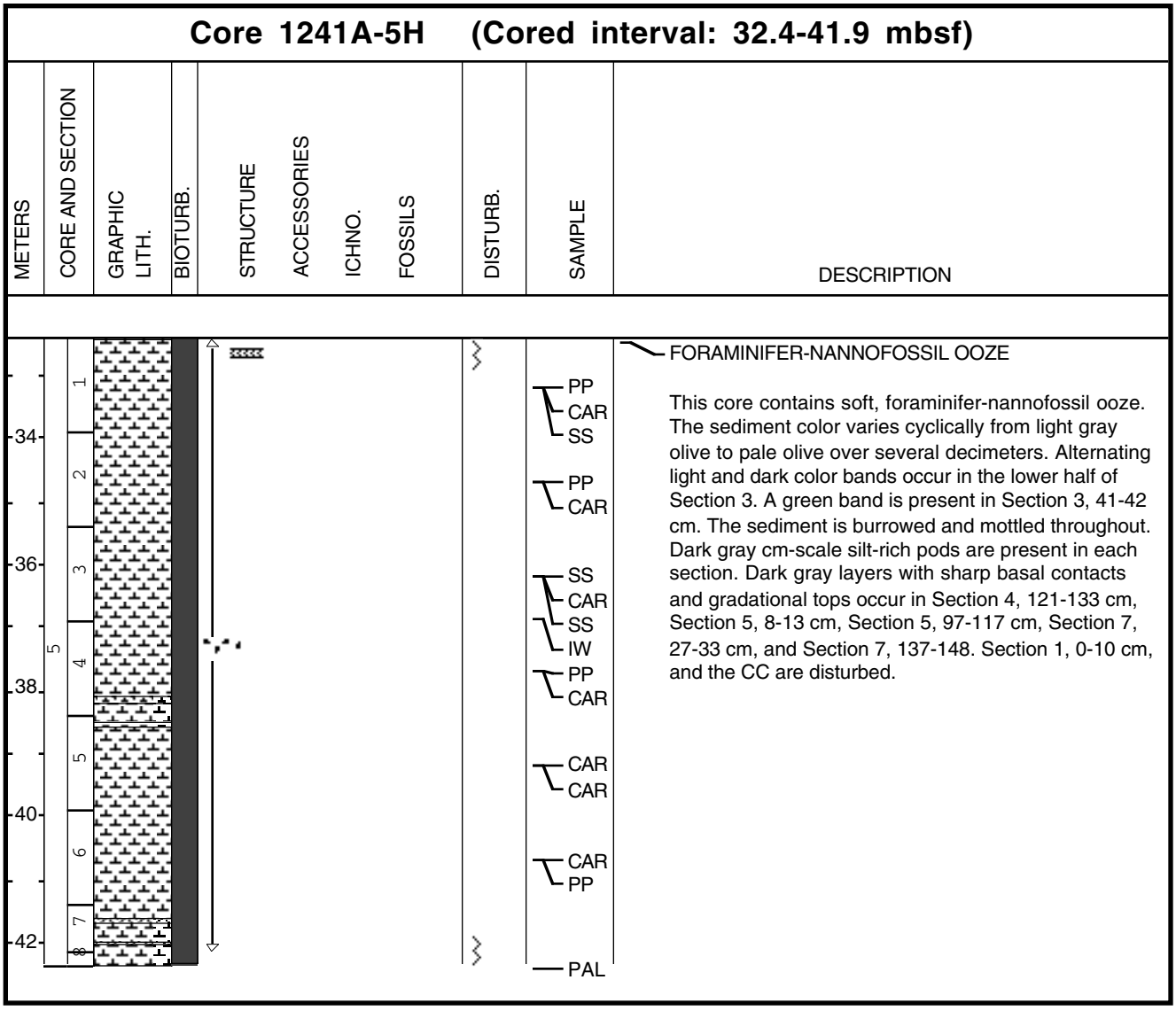

CLAY-BEARING NANNOFOSSIL-FORAMINIFER OOZE and FORAMINIFER NANNOFOSSIL OOZE

This core is dominated by light olive gray to pale olive clay-bearing foraminifer nannofossil ooze and foraminifer nannofossil ooze. The core is bioturbated, with Zoophycos and burrow traces throughout. Some intervals contain visible forams. Green/purple/gray color bands are observed. Two dark gray ash layers (Section 3, 87-90 cm and Section 4, 26-27 cm) occur and both have sharp basal contacts and diffuse upper contacts. A volcanic rock fragment is found in Section 2, 77 cm.

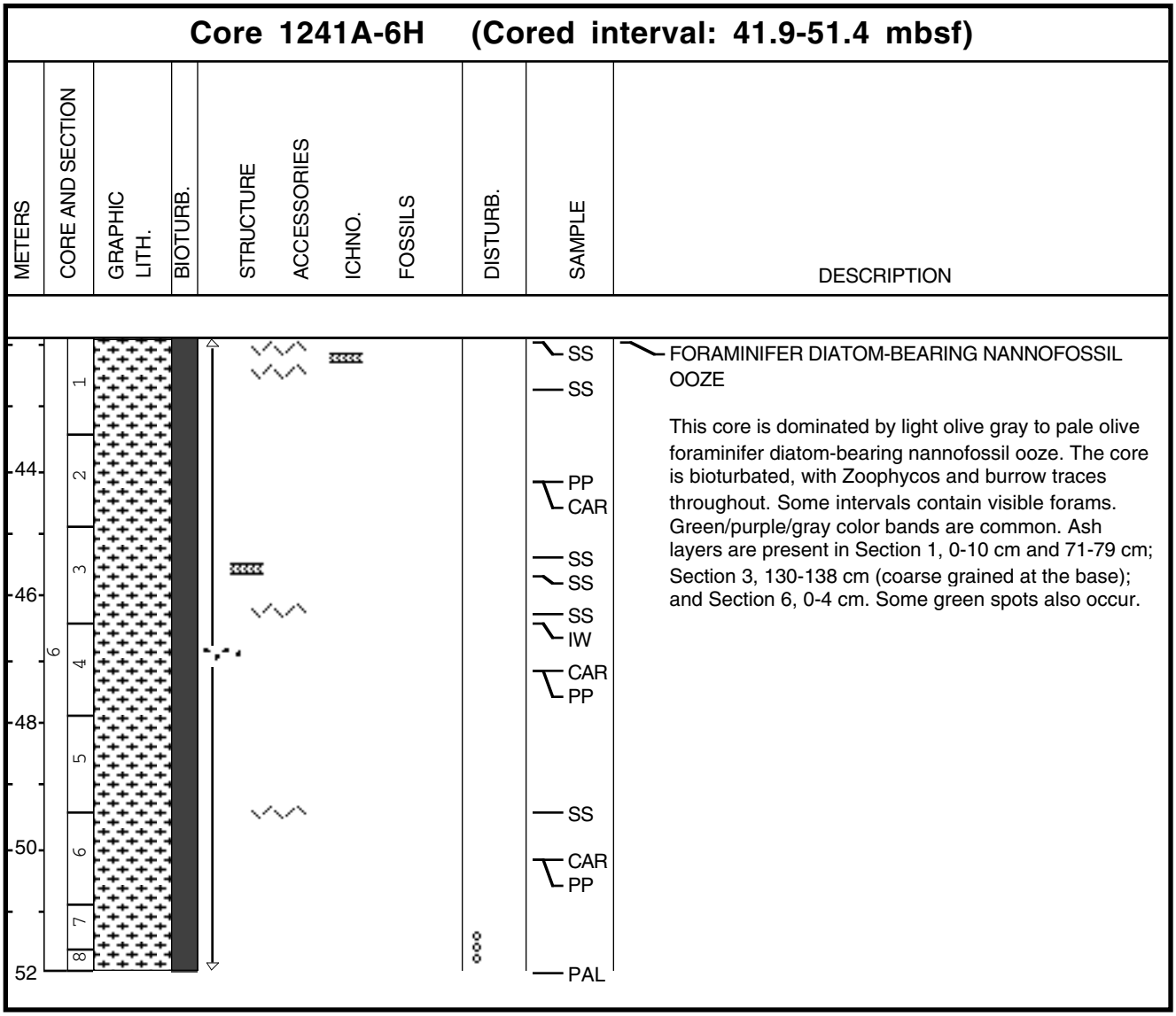
## Core Photo


Core 1241A-4H (Cored interval: 22.9-32.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
24
26
28
30
32
4
1
2
3
4
5
6
7
SS
CAR
PP
SS
IW
SS
PP
CAR
CAR
PP
PAL
FORAM NANNOFOSSIL OOZE
This core is dominated by light olive gray to pale olive foraminifer nannofossil ooze. The core is bioturbated, with Zoophycos and burrow traces throughout. Some intervals contain abundant visible forams. Green/purple/gray color bands are observed. A coarse grained volcaniclastic layer, pumice lapilli, is found in Section 3, 120-125 cm. A light gray ash layer is present in Section 4, 12 cm. Faint green layers are found throughout. The core is soupy at the base.

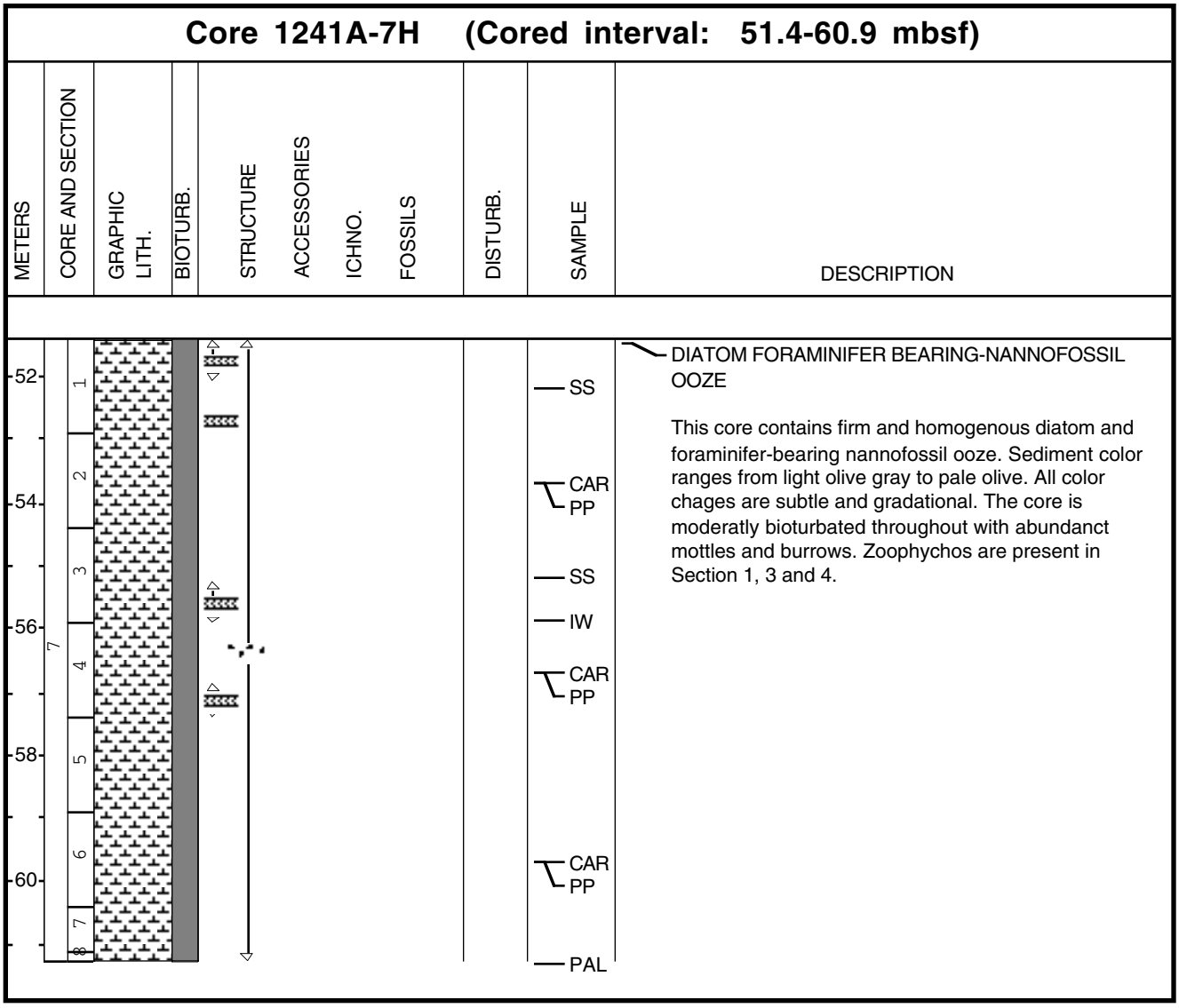
## Core Photo


Core 1241A-5H (Cored interval: 32.4-41.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
34
36
38
40
42
5
1
2
3
4
5
6
7
8
PP
CAR
SS
PP
CAR
SS
CAR
SS
IW
PP
CAR
CAR
CAR
CAR
PP
PAL
FORAMINIFER-NANNOFOSSIL OOZE
This core contains soft, foraminifer-nannofossil ooze. The sediment color varies cyclically from light gray olive to pale olive over several decimeters. Alternating light and dark color bands occur in the lower half of Section 3. A green band is present in Section 3, 41-42 cm. The sediment is burrowed and mottled throughout. Dark gray cm-scale silt-rich pods are present in each section. Dark gray layers with sharp basal contacts and gradational tops occur in Section 4, 121-133 cm, Section 5, 8-13 cm, Section 5, 97-117 cm, Section 7, 27-33 cm, and Section 7, 137-148. Section 1, 0-10 cm, and the CC are disturbed.

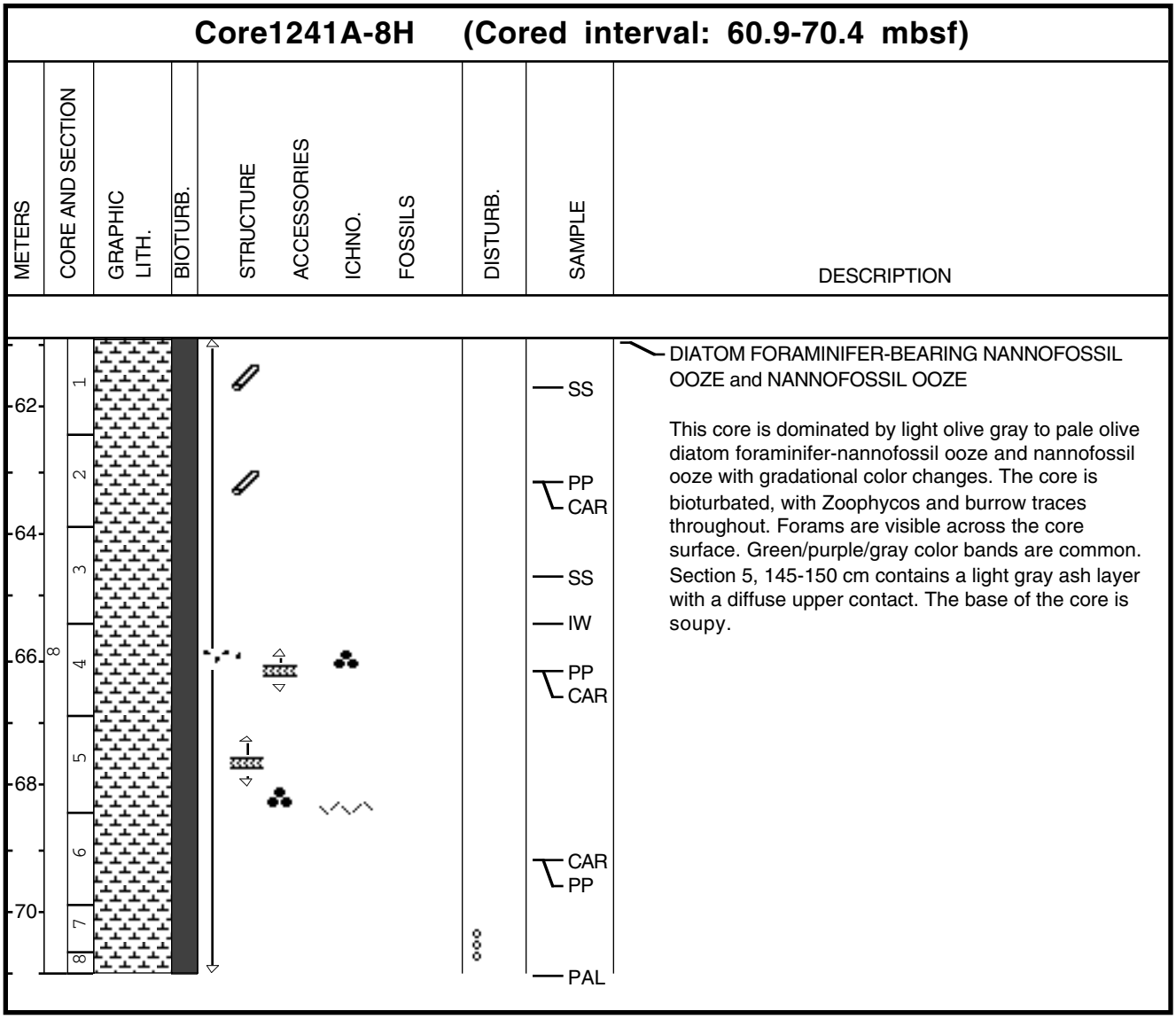
## Core Photo


Core 1241A-6H (Cored interval: 41.9-51.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
44
46
48
50
52
6
1
2
3
4
5
6
7
8
SS
SS
PP
CAR
SS
SS
SS
IW
CAR
PP
SS
CAR
PP
PAL
FORAMINIFER DIATOM-BEARING NANNOFOSSIL OOZE
This core is dominated by light olive gray to pale olive foraminifer diatom-bearing nannofossil ooze. The core is bioturbated, with Zoophycos and burrow traces throughout. Some intervals contain visible forams. Green/purple/gray color bands are common. Ash layers are present in Section 1, 0-10 cm and 71-79 cm; Section 3, 130-138 cm (coarse grained at the base); and Section 6, 0-4 cm. Some green spots also occur.

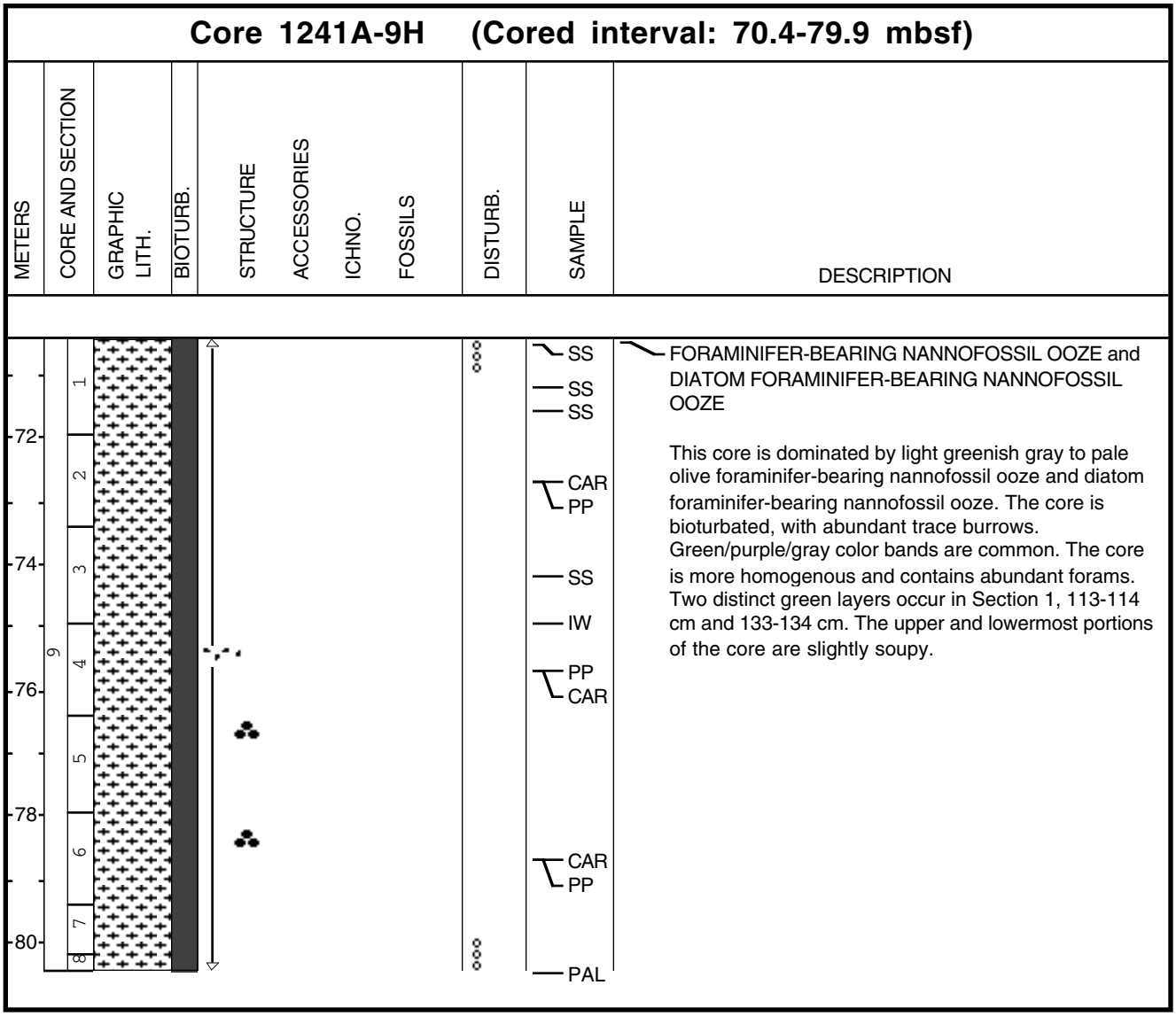
## Core Photo


Core 1241A-7H (Cored interval: 51.4-60.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
52
54
56
58
60
7
1
2
3
4
5
6
7
8
SS
CAR PP
SS
IW
CAR PP
CAR PP
PAL
DIATOM FORAMINIFER BEARING-NANNOFOSSIL OOZE
This core contains firm and homogenous diatom and foraminifer-bearing nannofossil ooze. Sediment color ranges from light olive gray to pale olive. All color chages are subtle and gradational. The core is moderatly bioturbated throughout with abundanct mottles and burrows. Zoophychos are present in Section 1, 3 and 4.

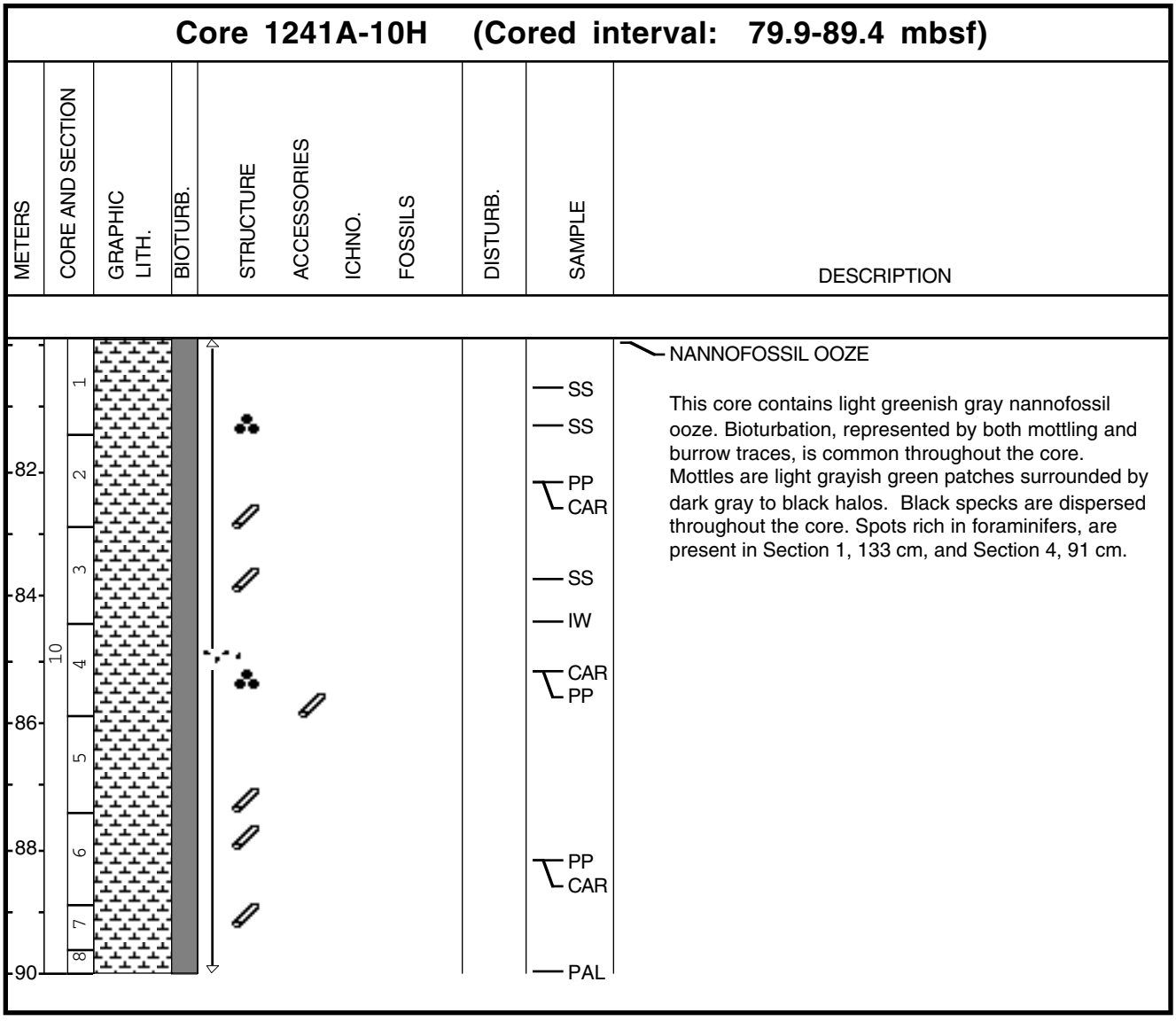
## Core Photo


Core1241A-8H (Cored interval: 60.9-70.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
62
64
66
68
70
8
1
2
3
4
5
6
7
8
SS
PP
CAR
SS
IW
PP
CAR
CAR
PP
PAL
DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core is dominated by light olive gray to pale olive diatom foraminifer-nannofossil ooze and nannofossil ooze with gradational color changes. The core is bioturbated, with Zoophycos and burrow traces throughout. Forams are visible across the core surface. Green/purple/gray color bands are common. Section 5, 145-150 cm contains a light gray ash layer with a diffuse upper contact. The base of the core is soupy.

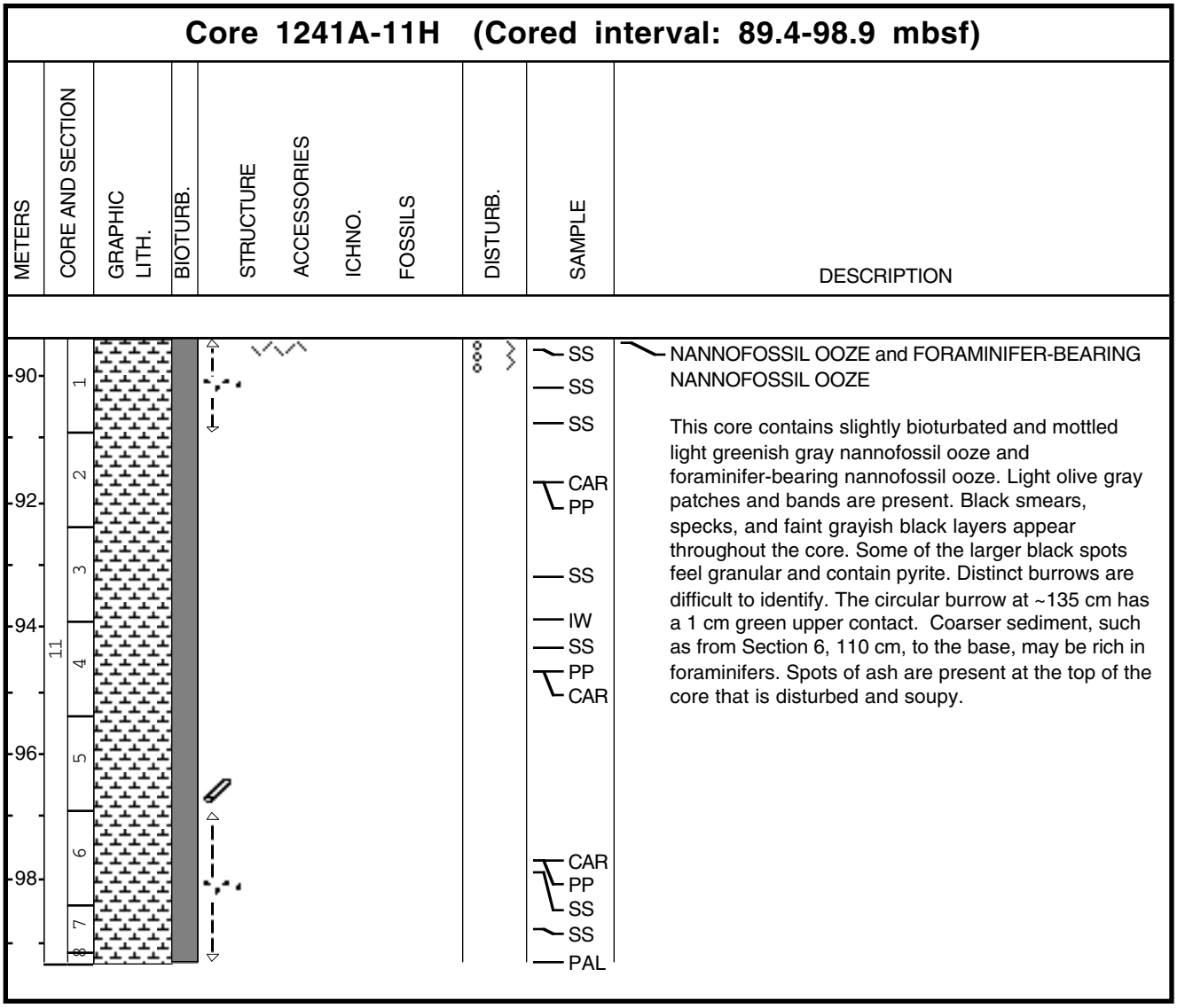
## Core Photo


Core 1241A-9H (Cored interval: 70.4-79.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
72
74
76
78
80
9
1
2
3
4
5
6
7
8
SS
SS
SS
CAR
PP
SS
IW
PP
CAR
CAR
PP
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE and DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core is dominated by light greenish gray to pale olive foraminifer-bearing nannofossil ooze and diatom foraminifer-bearing nannofossil ooze. The core is bioturbated, with abundant trace burrows. Green/purple/gray color bands are common. The core is more homogenous and contains abundant forams. Two distinct green layers occur in Section 1, 113-114 cm and 133-134 cm. The upper and lowermost portions of the core are slightly soupy.

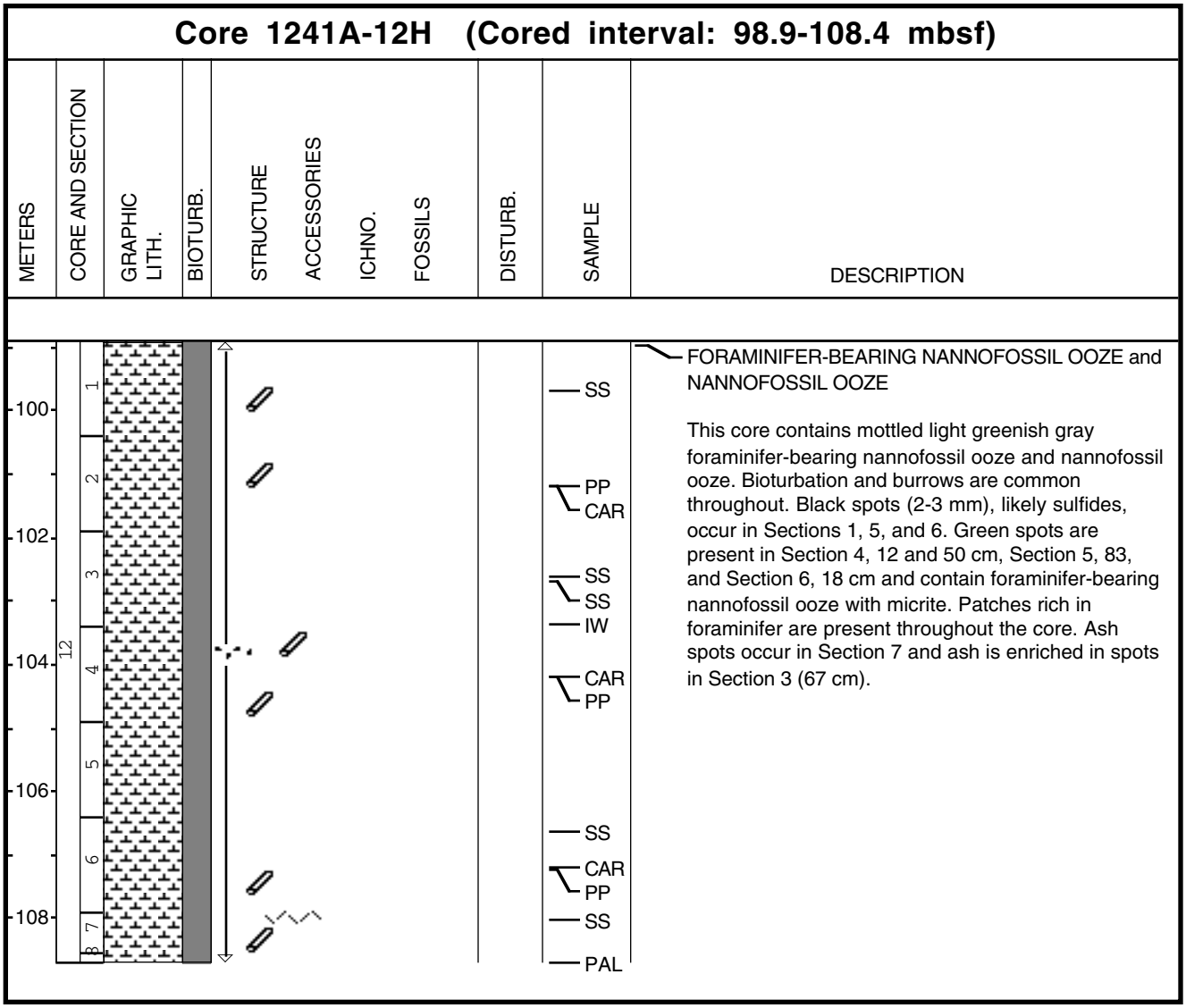
## Core Photo


Core 1241A-10H (Cored interval: 79.9-89.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
82
84
86
88
90
10
1
2
3
4
5
6
7
8
SS
SS
PP
CAR
SS
IW
CAR
PP
PP
CAR
PAL
NANNOFOSSIL OOZE
This core contains light greenish gray nannofossil ooze. Bioturbation, represented by both mottling and burrow traces, is common throughout the core. Mottles are light grayish green patches surrounded by dark gray to black halos. Black specks are dispersed throughout the core. Spots rich in foraminifers, are present in Section 1, 133 cm, and Section 4, 91 cm.

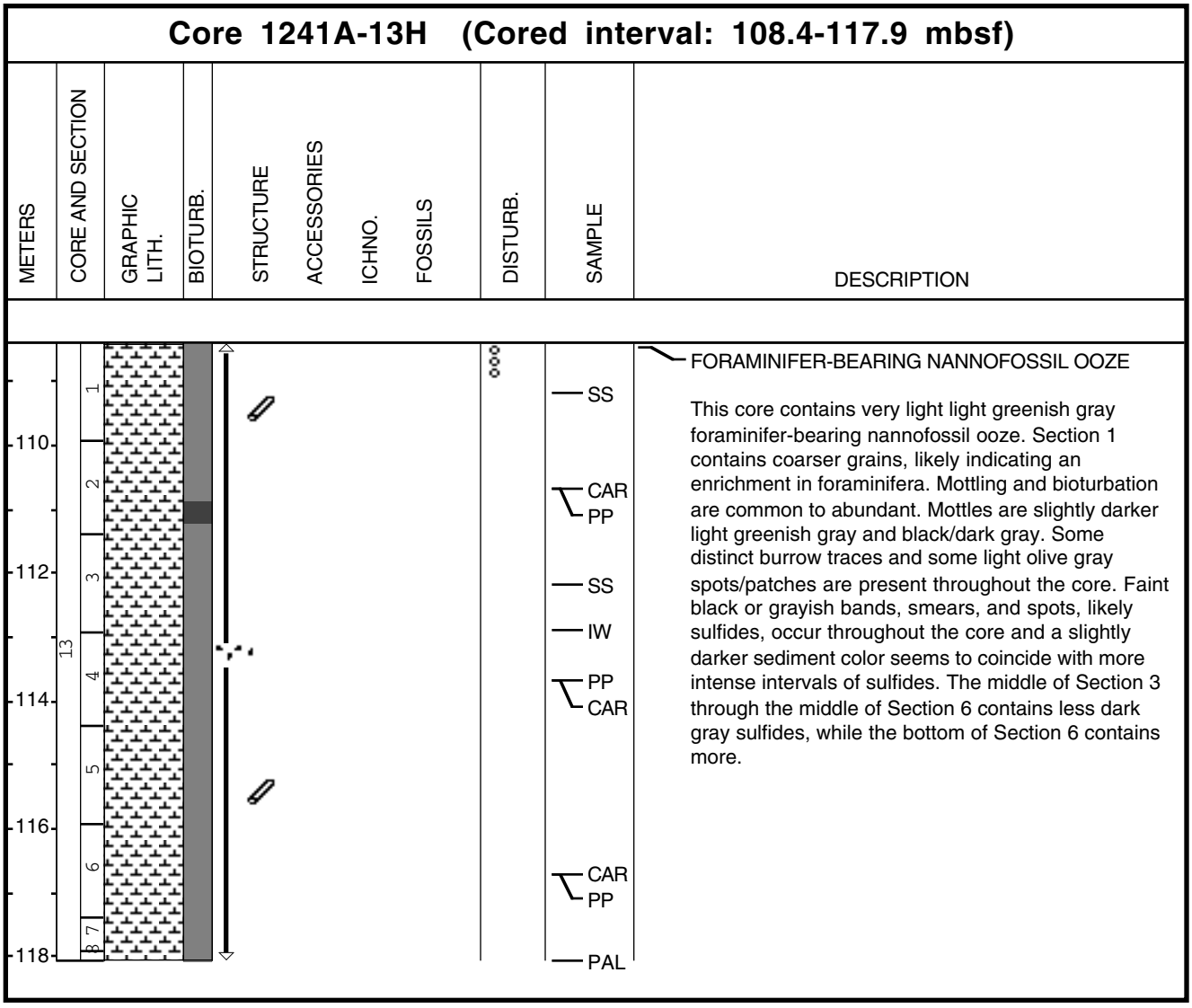
## Core Photo


Core 1241A-11H (Cored interval: 89.4-98.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
90
92
94
96
98
11
1
2
3
4
5
6
7
8
SS
SS
SS
CAR
PP
SS
IW
SS
PP
CAR
CAR
PP
SS
SS
PAL
NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains slightly bioturbated and mottled light greenish gray nannofossil ooze and foraminifer-bearing nannofossil ooze. Light olive gray patches and bands are present. Black smears, specks, and faint grayish black layers appear throughout the core. Some of the larger black spots feel granular and contain pyrite. Distinct burrows are difficult to identify. The circular burrow at ~135 cm has a 1 cm green upper contact. Coarser sediment, such as from Section 6, 110 cm, to the base, may be rich in foraminifers. Spots of ash are present at the top of the core that is disturbed and soupy.

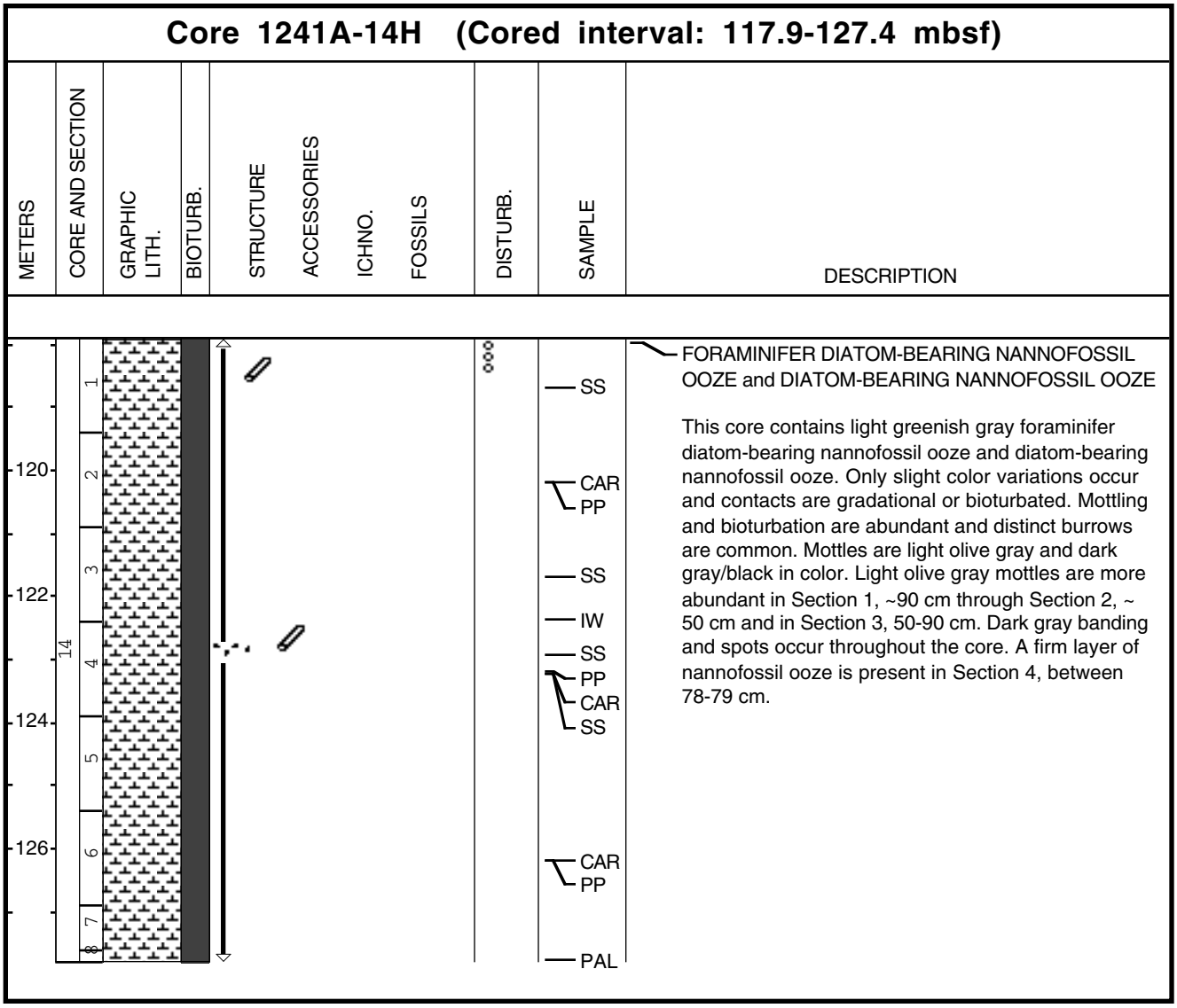
## Core Photo


Core 1241A-12H (Cored interval: 98.9-108.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
100
102
104
106
108
12
1
2
3
4
5
6
7
CC
SS
PP
CAR
SS
SS
IW
CAR
PP
SS
CAR
PP
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains mottled light greenish gray foraminifer-bearing nannofossil ooze and nannofossil ooze. Bioturbation and burrows are common throughout. Black spots (2-3 mm), likely sulfides, occur in Sections 1, 5, and 6. Green spots are present in Section 4, 12 and 50 cm, Section 5, 83, and Section 6, 18 cm and contain foraminifer-bearing nannofossil ooze with micrite. Patches rich in foraminifer are present throughout the core. Ash spots occur in Section 7 and ash is enriched in spots in Section 3 (67 cm).

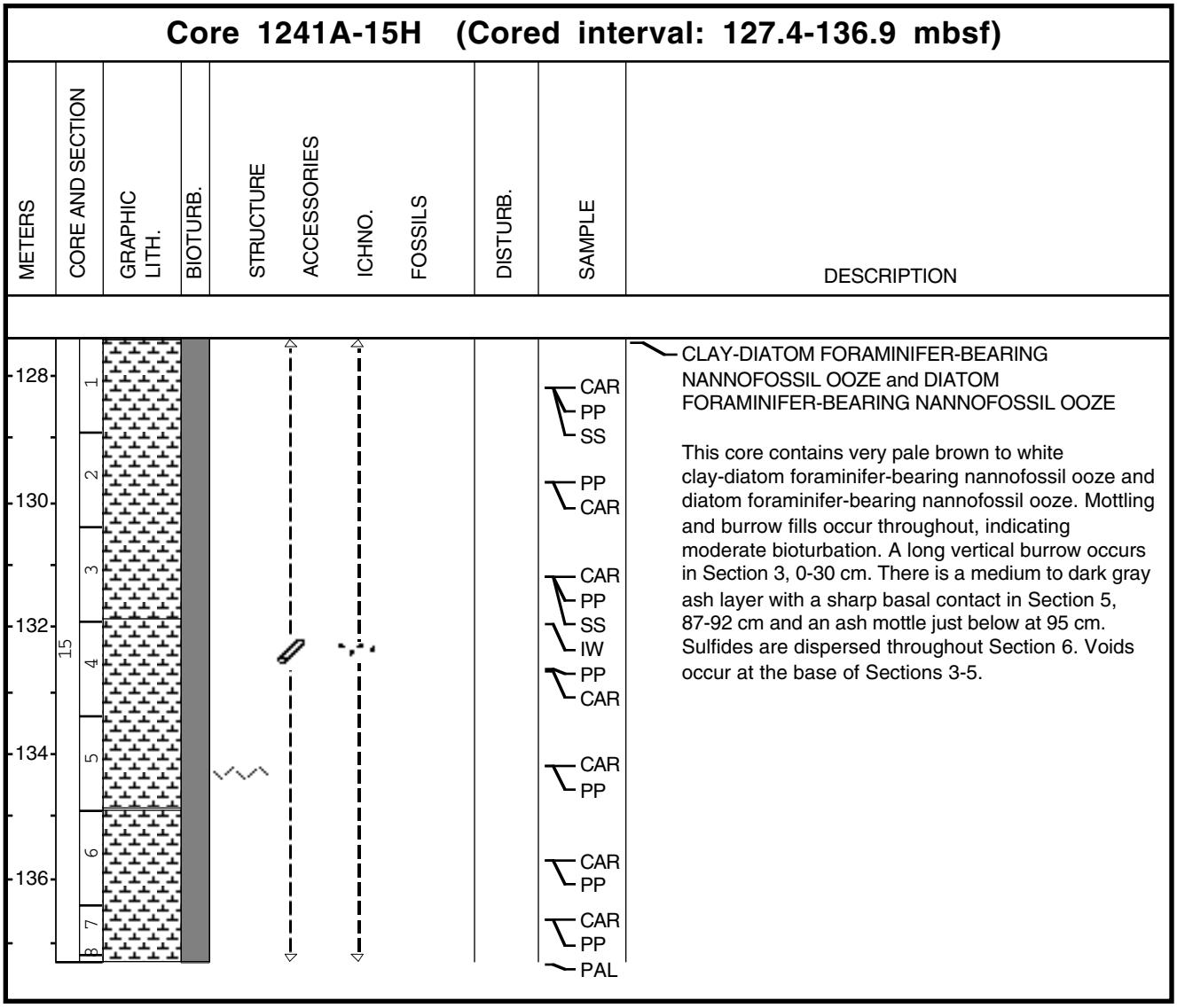
## Core Photo


Core 1241A-13H (Cored interval: 108.4-117.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
110
112
114
116
118
13
1
2
3
4
5
6
7
SS
CAR
PP
SS
IW
PP
CAR
CAR
PP
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains very light light greenish gray foraminifer-bearing nannofossil ooze. Section 1 contains coarser grains, likely indicating an enrichment in foraminifera. Mottling and bioturbation are common to abundant. Mottles are slightly darker light greenish gray and black/dark gray. Some distinct burrow traces and some light olive gray spots/patches are present throughout the core. Faint black or grayish bands, smears, and spots, likely sulfides, occur throughout the core and a slightly darker sediment color seems to coincide with more intense intervals of sulfides. The middle of Section 3 through the middle of Section 6 contains less dark gray sulfides, while the bottom of Section 6 contains more.

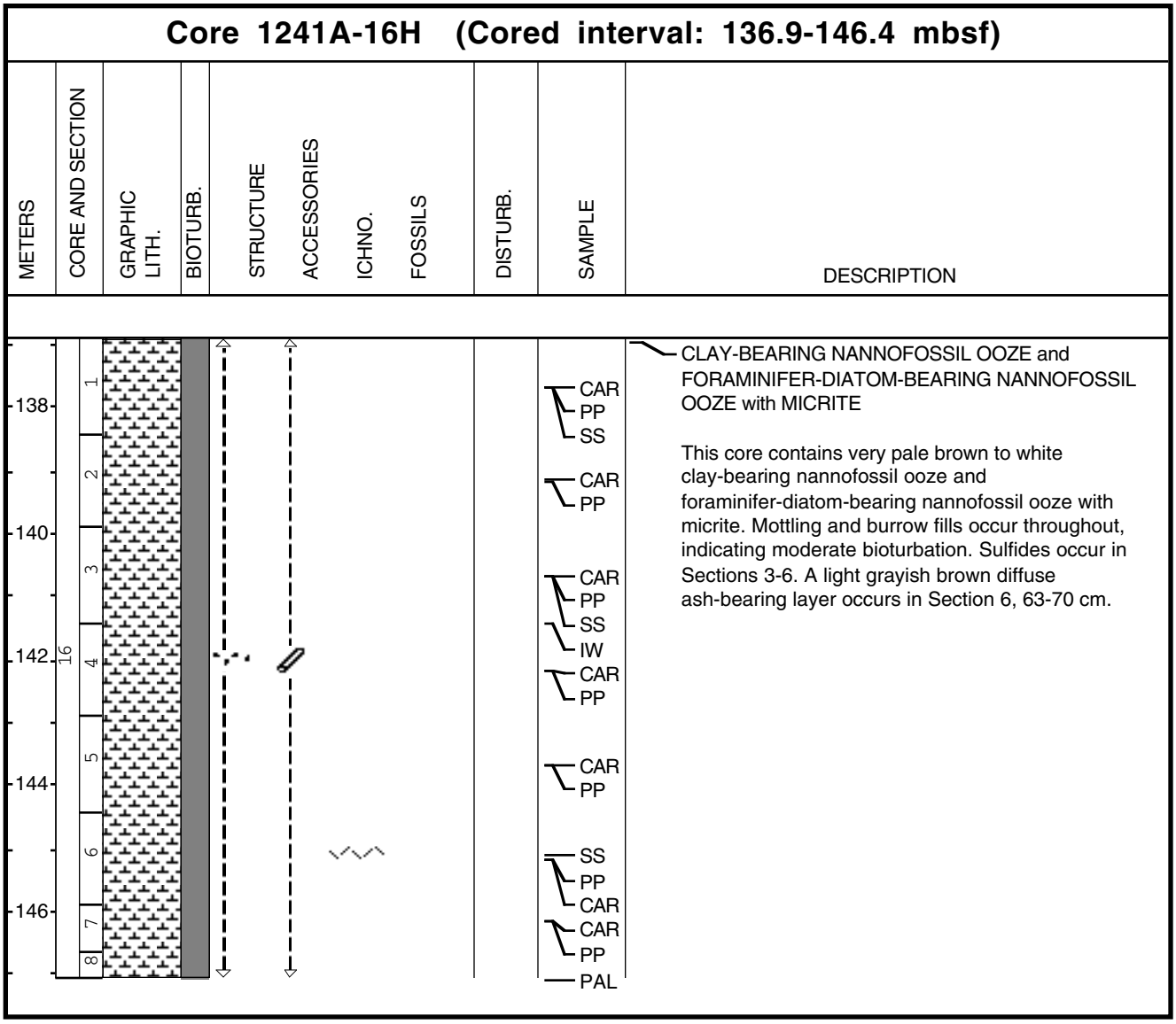
## Core Photo


Core 1241A-14H (Cored interval: 117.9-127.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
120
122
124
126
14
1
2
3
4
5
6
7
8
SS
CAR
PP
SS
IW
SS
PP
CAR
SS
CAR
PP
PAL
FORAMINIFER DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains light greenish gray foraminifer diatom-bearing nannofossil ooze and diatom-bearing nannofossil ooze. Only slight color variations occur and contacts are gradational or bioturbated. Mottling and bioturbation are abundant and distinct burrows are common. Mottles are light olive gray and dark gray/black in color. Light olive gray mottles are more abundant in Section 1, ~90 cm through Section 2, ~ 50 cm and in Section 3, 50-90 cm. Dark gray banding and spots occur throughout the core. A firm layer of nannofossil ooze is present in Section 4, between 78-79 cm.

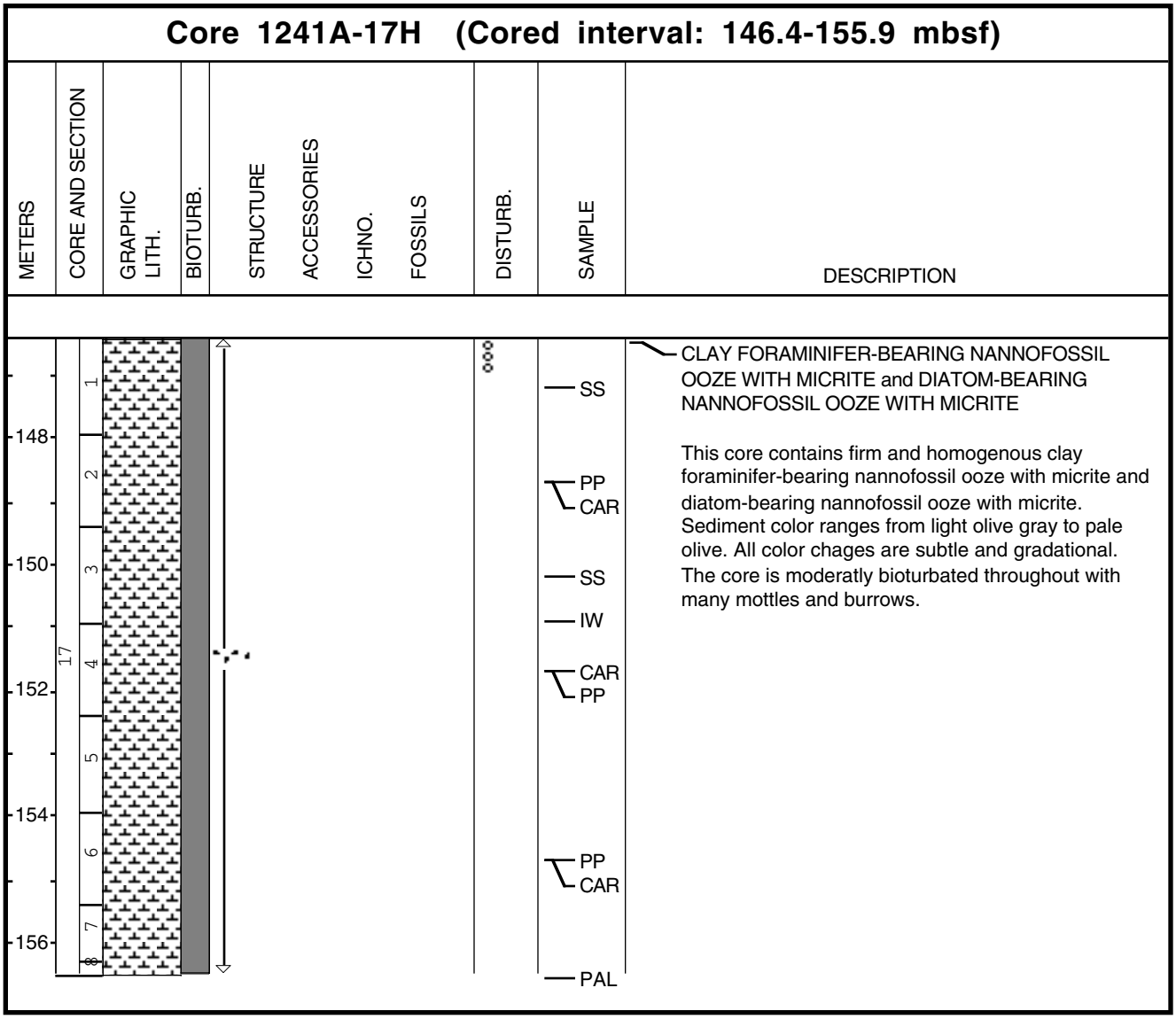
## Core Photo


Core 1241A-15H (Cored interval: 127.4-136.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
128
130
132
134
136
15
1
2
3
4
5
6
7
CC
CAR
PP
SS
PP
CAR
CAR
PP
SS
IW
PP
CAR
CAR
PP
CAR
PP
CAR
PP
PAL
CLAY-DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE and DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains very pale brown to white clay-diatom foraminifer-bearing nannofossil ooze and diatom foraminifer-bearing nannofossil ooze. Mottling and burrow fills occur throughout, indicating moderate bioturbation. A long vertical burrow occurs in Section 3, 0-30 cm. There is a medium to dark gray ash layer with a sharp basal contact in Section 5, 87-92 cm and an ash mottle just below at 95 cm. Sulfides are dispersed throughout Section 6. Voids occur at the base of Sections 3-5.

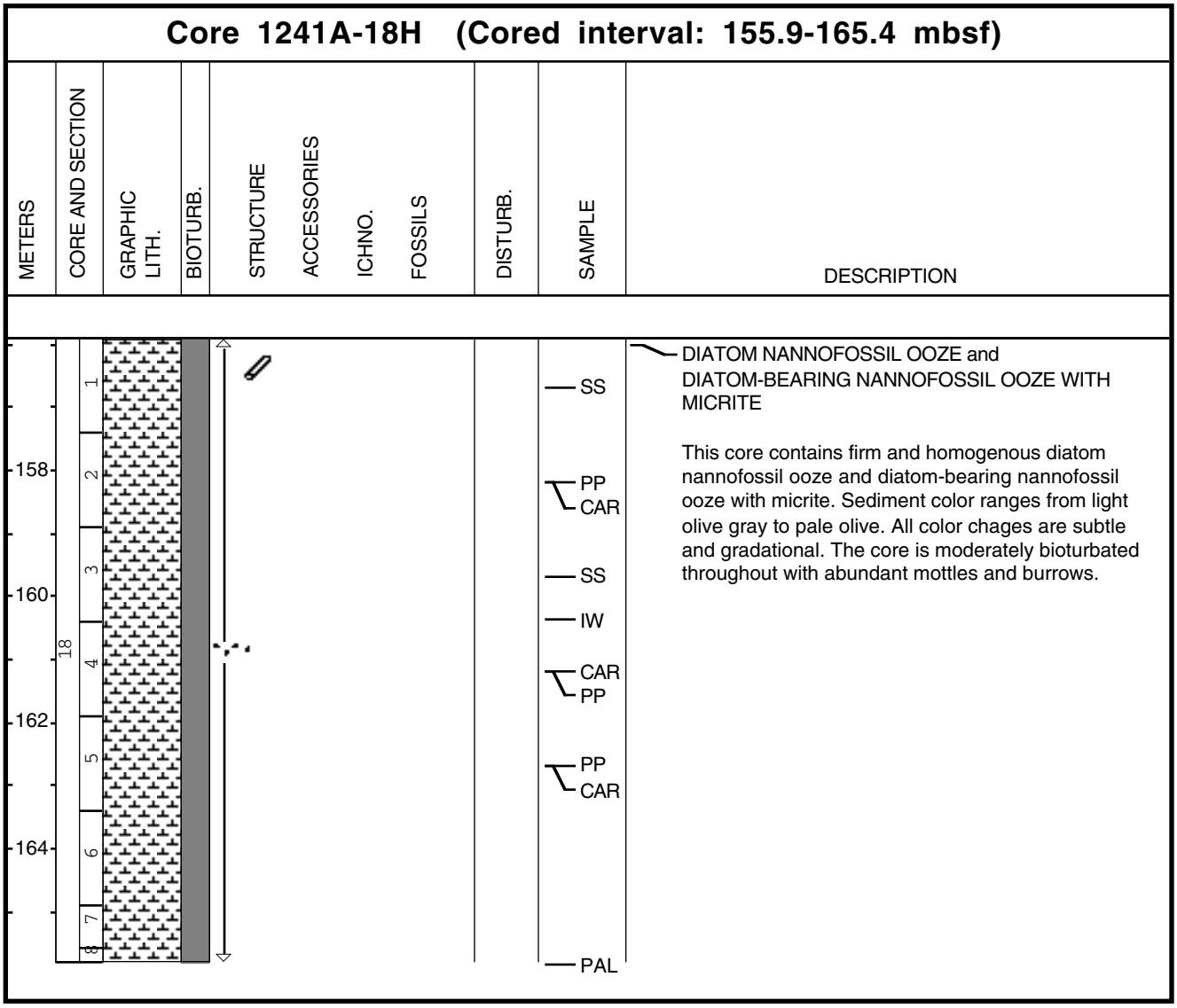
## Core Photo


Core 1241A-16H (Cored interval: 136.9-146.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
138
140
142
144
146
16
1
2
3
4
5
6
7
8
CAR
PP
SS
CAR
PP
CAR
PP
SS
IW
CAR
PP
CAR
PP
SS
PP
CAR
CAR
PP
PAL
CLAY-BEARING NANNOFOSSIL OOZE and FORAMINIFER-DIATOM-BEARING NANNOFOSSIL OOZE with MICRITE
This core contains very pale brown to white clay-bearing nannofossil ooze and foraminifer-diatom-bearing nannofossil ooze with micrite. Mottling and burrow fills occur throughout, indicating moderate bioturbation. Sulfides occur in Sections 3-6. A light grayish brown diffuse ash-bearing layer occurs in Section 6, 63-70 cm.

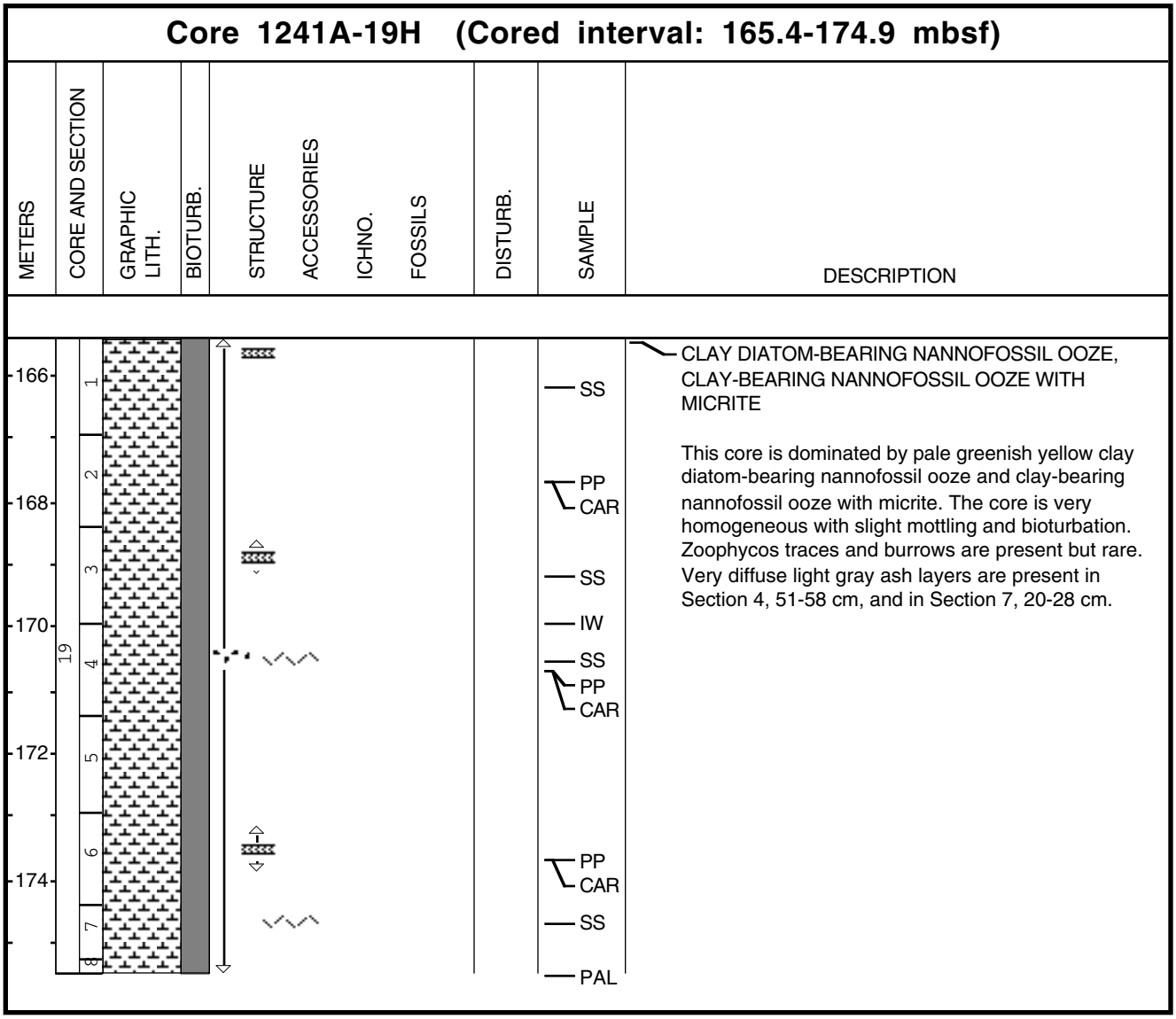
## Core Photo


Core 1241A-17H (Cored interval: 146.4-155.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
148
150
152
154
156
17
1
2
3
4
5
6
7
8
SS
PP
CAR
SS
IW
CAR
PP
PP
CAR
PAL
CLAY FORAMINIFER-BEARING NANNOFOSSIL OOZE WITH MICRITE and DIATOM-BEARING NANNOFOSSIL OOZE WITH MICRITE
This core contains firm and homogenous clay foraminifer-bearing nannofossil ooze with micrite and diatom-bearing nannofossil ooze with micrite. Sediment color ranges from light olive gray to pale olive. All color chages are subtle and gradational. The core is moderatly bioturbated throughout with many mottles and burrows.

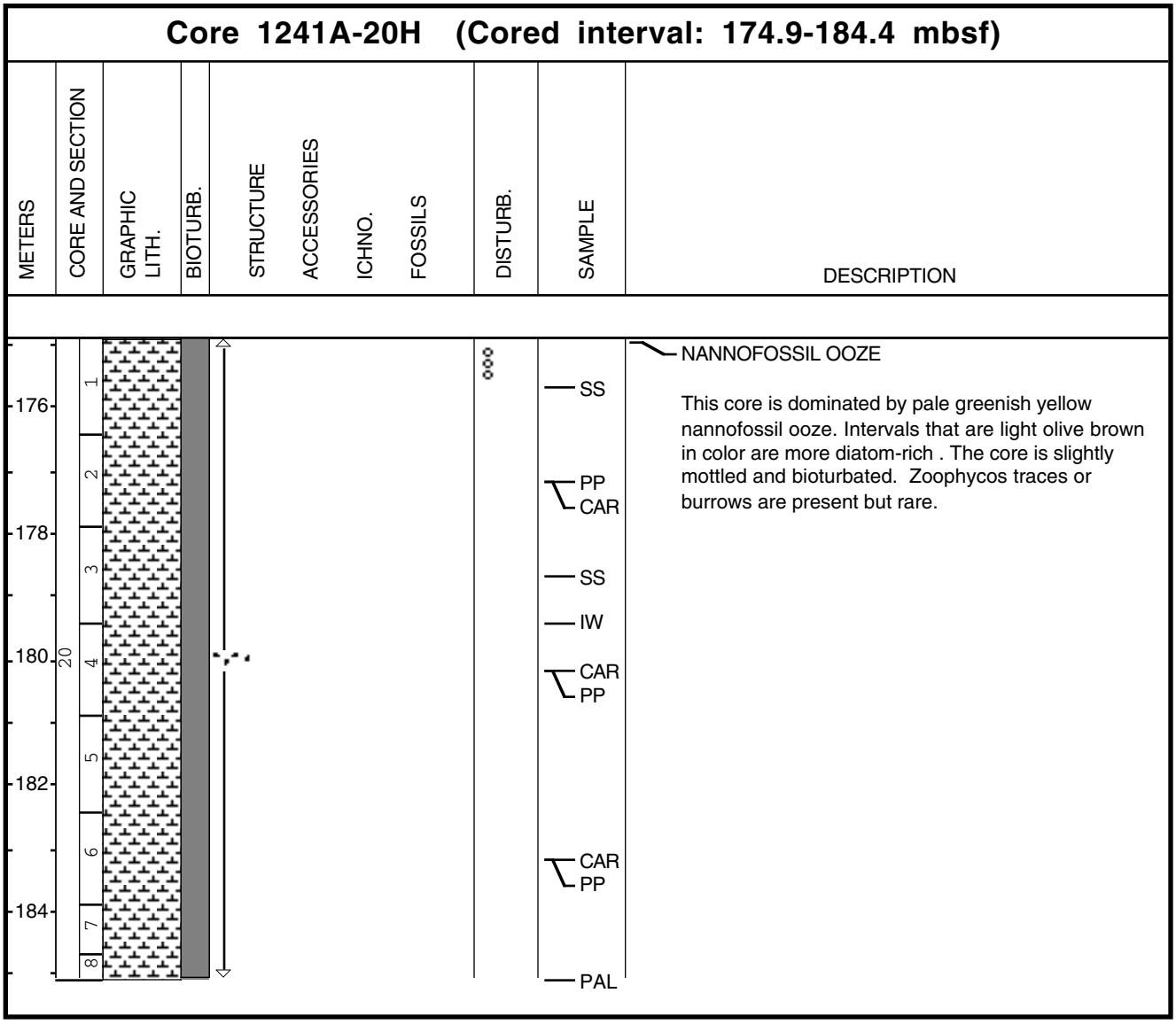
## Core Photo


Core 1241A-18H (Cored interval: 155.9-165.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
158
160
162
164
18
1
2
3
4
5
6
7
SS
PP
CAR
SS
IW
CAR
PP
PP
CAR
PAL
DIATOM NANNOFOSSIL OOZE and
DIATOM-BEARING NANNOFOSSIL OOZE WITH
MICRITE
This core contains firm and homogenous diatom nannofossil ooze and diatom-bearing nannofossil ooze with micrite. Sediment color ranges from light olive gray to pale olive. All color chages are subtle and gradational. The core is moderately bioturbated throughout with abundant mottles and burrows.

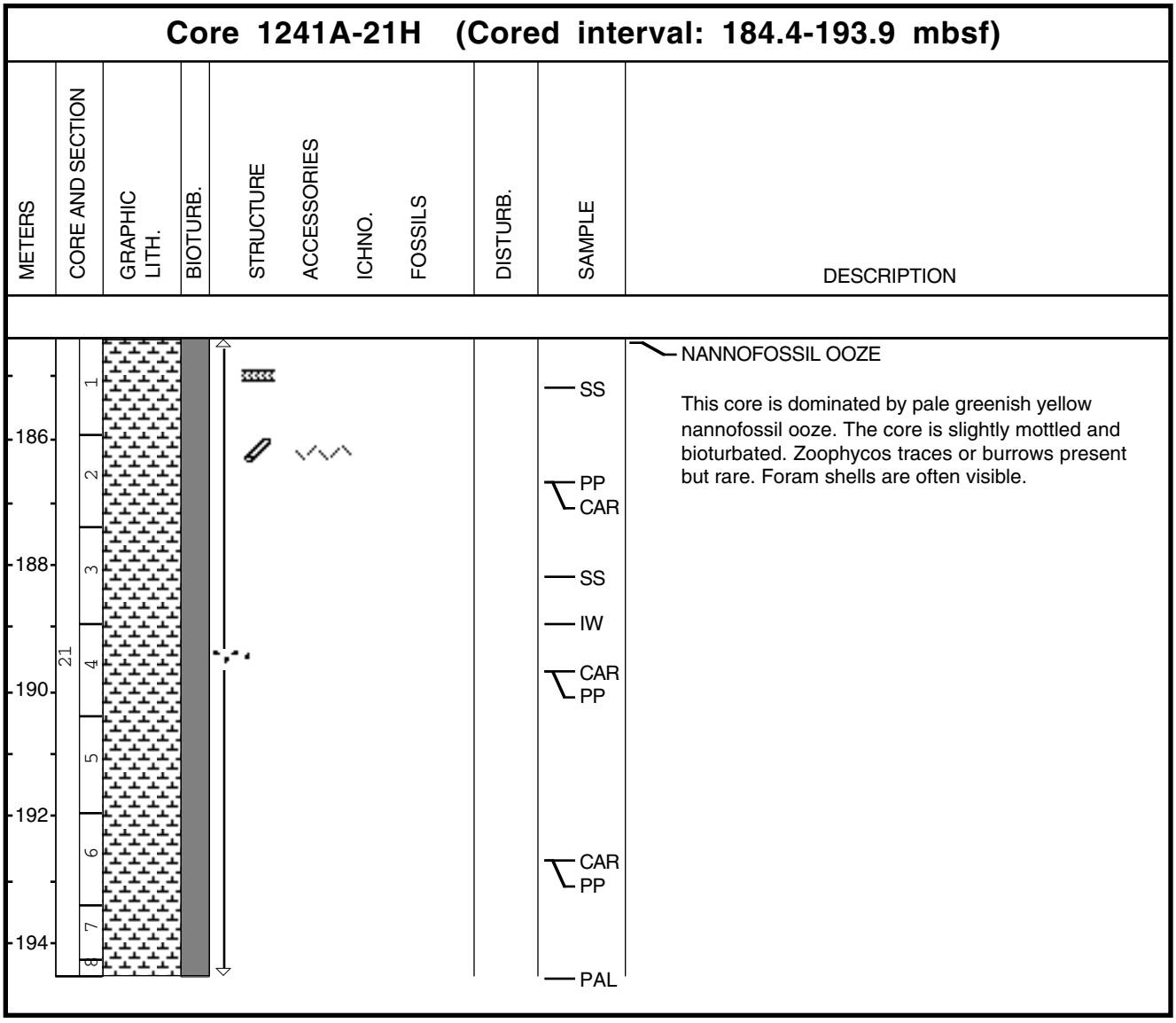
## Core Photo


Core 1241A-19H (Cored interval: 165.4-174.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
166
168
170
172
174
19
1
2
3
4
5
6
7
SS
PP
CAR
SS
IW
SS
PP
CAR
PP
CAR
SS
PAL
CLAY DIATOM-BEARING NANNOFOSSIL OOZE, CLAY-BEARING NANNOFOSSIL OOZE WITH MICRITE
This core is dominated by pale greenish yellow clay diatom-bearing nannofossil ooze and clay-bearing nannofossil ooze with micrite. The core is very homogeneous with slight mottling and bioturbation. Zoophycos traces and burrows are present but rare. Very diffuse light gray ash layers are present in Section 4, 51-58 cm, and in Section 7, 20-28 cm.

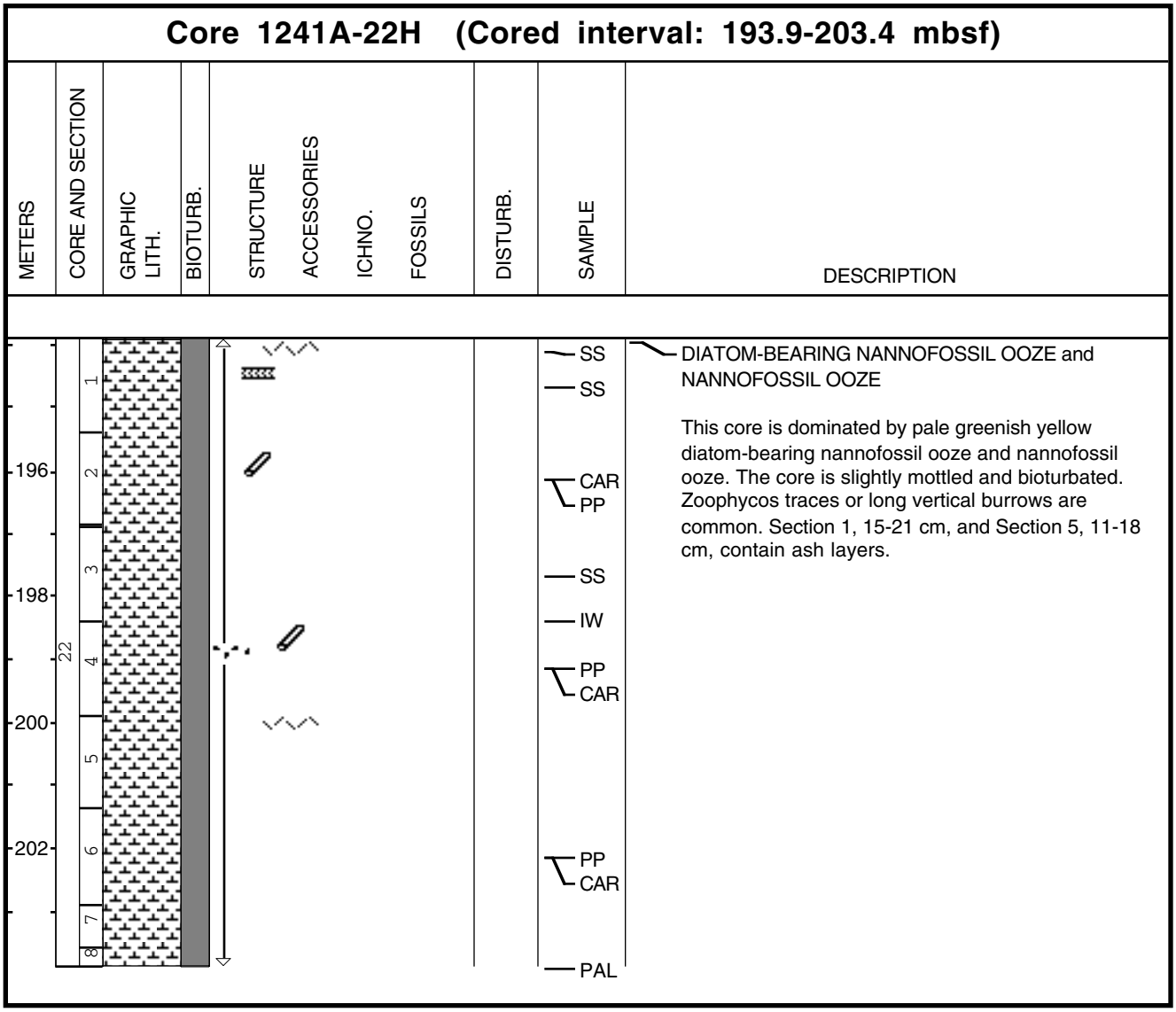
## Core Photo


Core 1241A-20H (Cored interval: 174.9-184.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
176
178
180
182
184
20
1
2
3
4
5
6
7
8
SS
PP
CAR
SS
IW
CAR
PP
CAR
PP
PAL
NANNOFOSSIL OOZE
This core is dominated by pale greenish yellow nannofossil ooze. Intervals that are light olive brown in color are more diatom-rich . The core is slightly mottled and bioturbated. Zoophycos traces or burrows are present but rare.

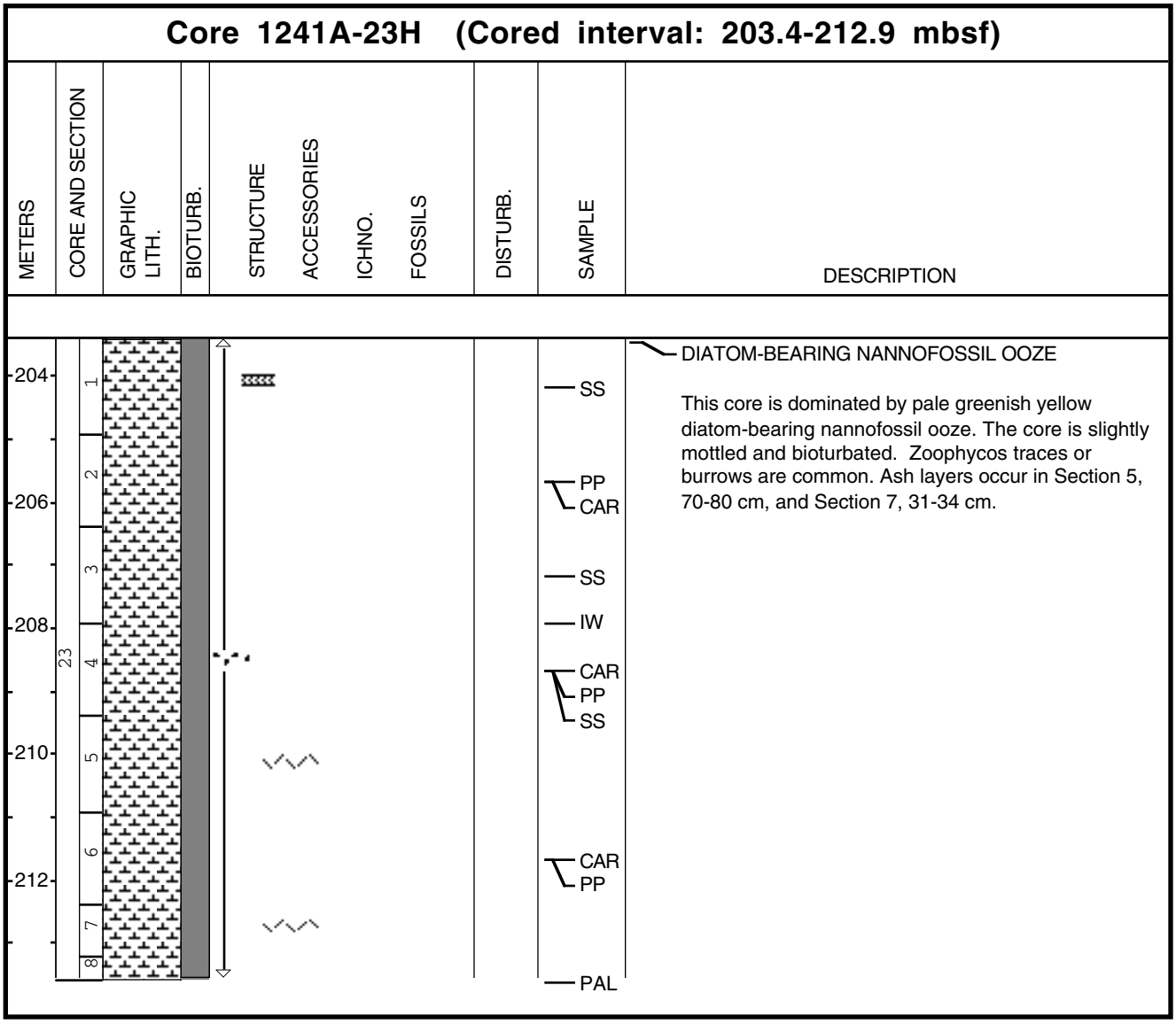
## Core Photo


Core 1241A-21H (Cored interval: 184.4-193.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
186
188
190
192
194
21
1
2
3
4
5
6
7
SS
PP
CAR
SS
IW
CAR
PP
CAR
PP
PAL
NANNOFOSSIL OOZE
This core is dominated by pale greenish yellow nannofossil ooze. The core is slightly mottled and bioturbated. Zoophycos traces or burrows present but rare. Foram shells are often visible.

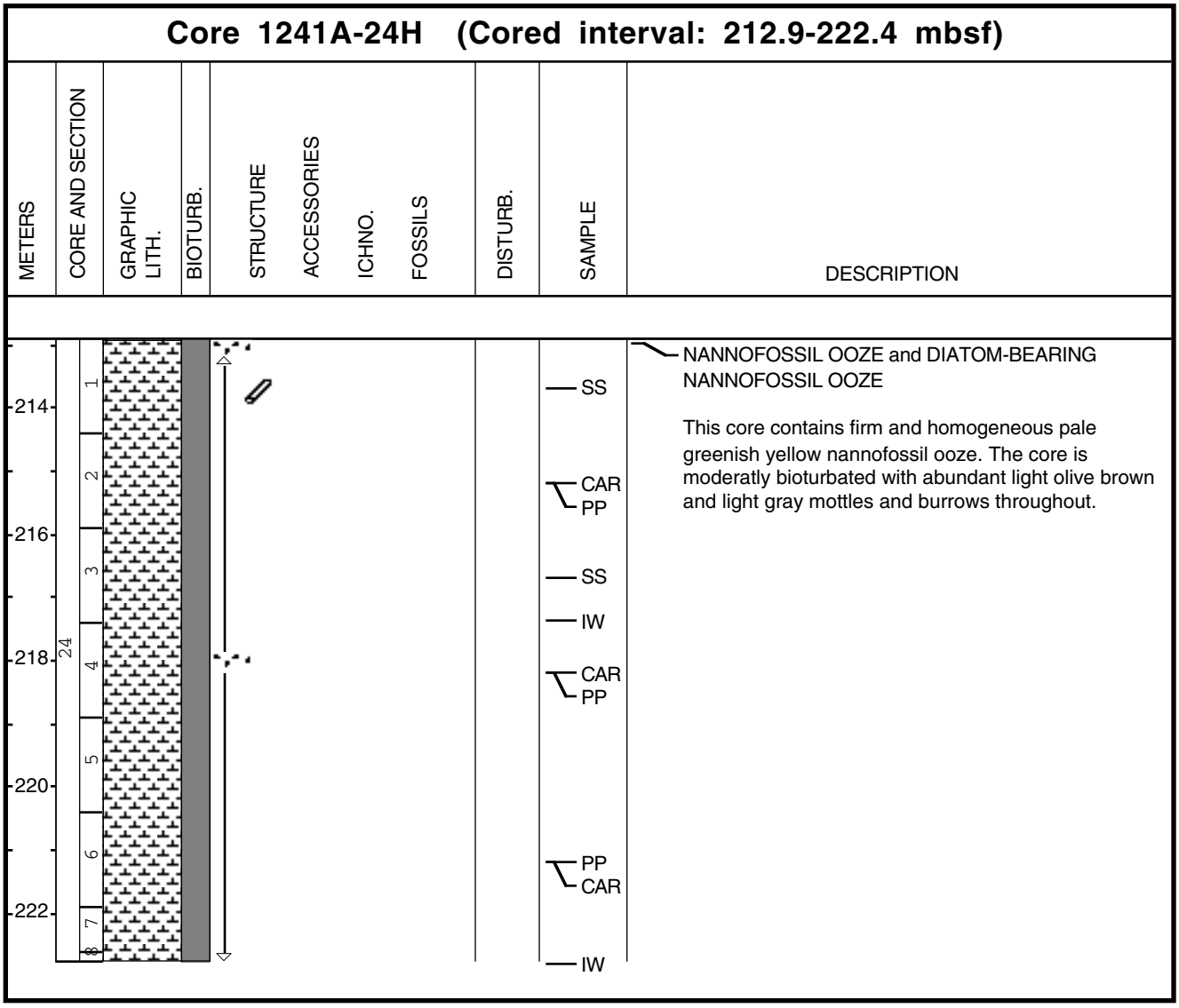
## Core Photo


Core 1241A-22H (Cored interval: 193.9-203.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
196
198
200
202
22
1
2
3
4
5
6
7
8
SS
SS
CAR
PP
SS
IW
PP
CAR
PP
CAR
PAL
DIATOM-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core is dominated by pale greenish yellow diatom-bearing nannofossil ooze and nannofossil ooze. The core is slightly mottled and bioturbated. Zoophycos traces or long vertical burrows are common. Section 1, 15-21 cm, and Section 5, 11-18 cm, contain ash layers.

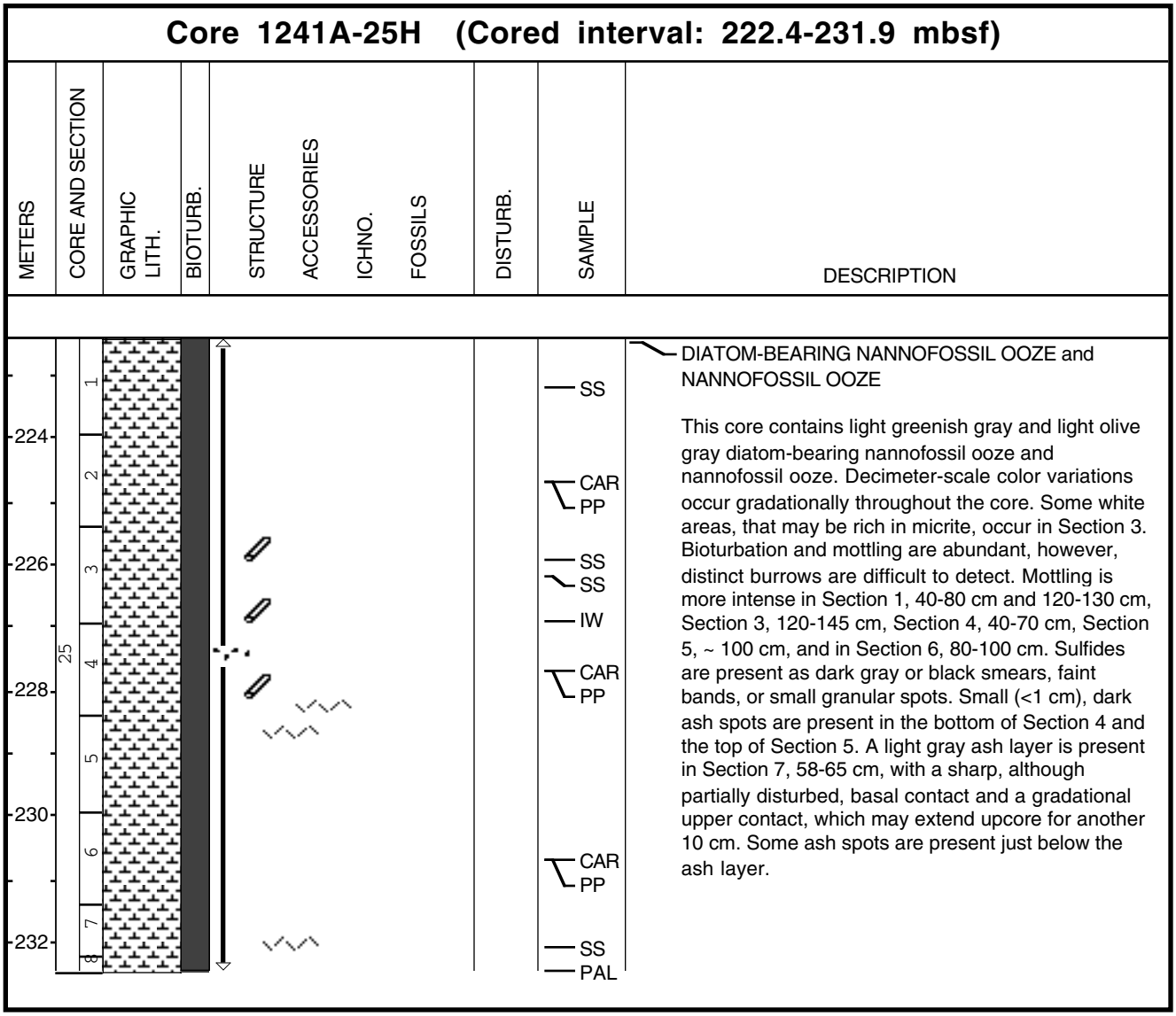
## Core Photo


Core 1241A-23H (Cored interval: 203.4-212.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
204
206
208
210
212
23
1
2
3
4
5
6
7
8
SS
PP
CAR
SS
IW
CAR
PP
SS
CAR
PP
PAL
DIATOM-BEARING NANNOFOSSIL OOZE
This core is dominated by pale greenish yellow diatom-bearing nannofossil ooze. The core is slightly mottled and bioturbated. Zoophycos traces or burrows are common. Ash layers occur in Section 5, 70-80 cm, and Section 7, 31-34 cm.

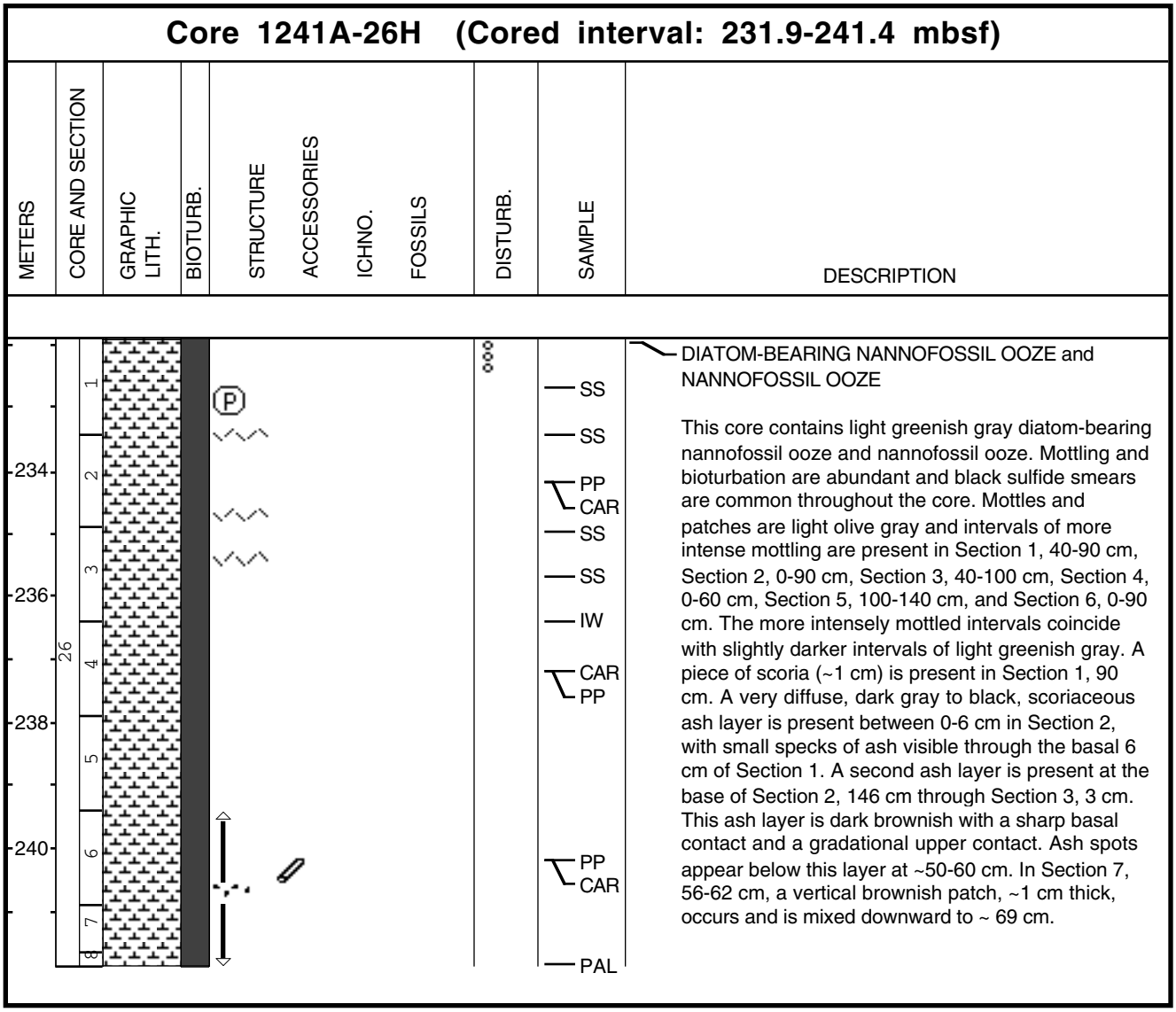
## Core Photo


Core 1241A-24H (Cored interval: 212.9-222.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
214
216
218
220
222
24
1
2
3
4
5
6
7
8
SS
CAR
PP
SS
IW
CAR
PP
PP
CAR
IW
NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains firm and homogeneous pale greenish yellow nannofossil ooze. The core is moderatly bioturbated with abundant light olive brown and light gray mottles and burrows throughout.

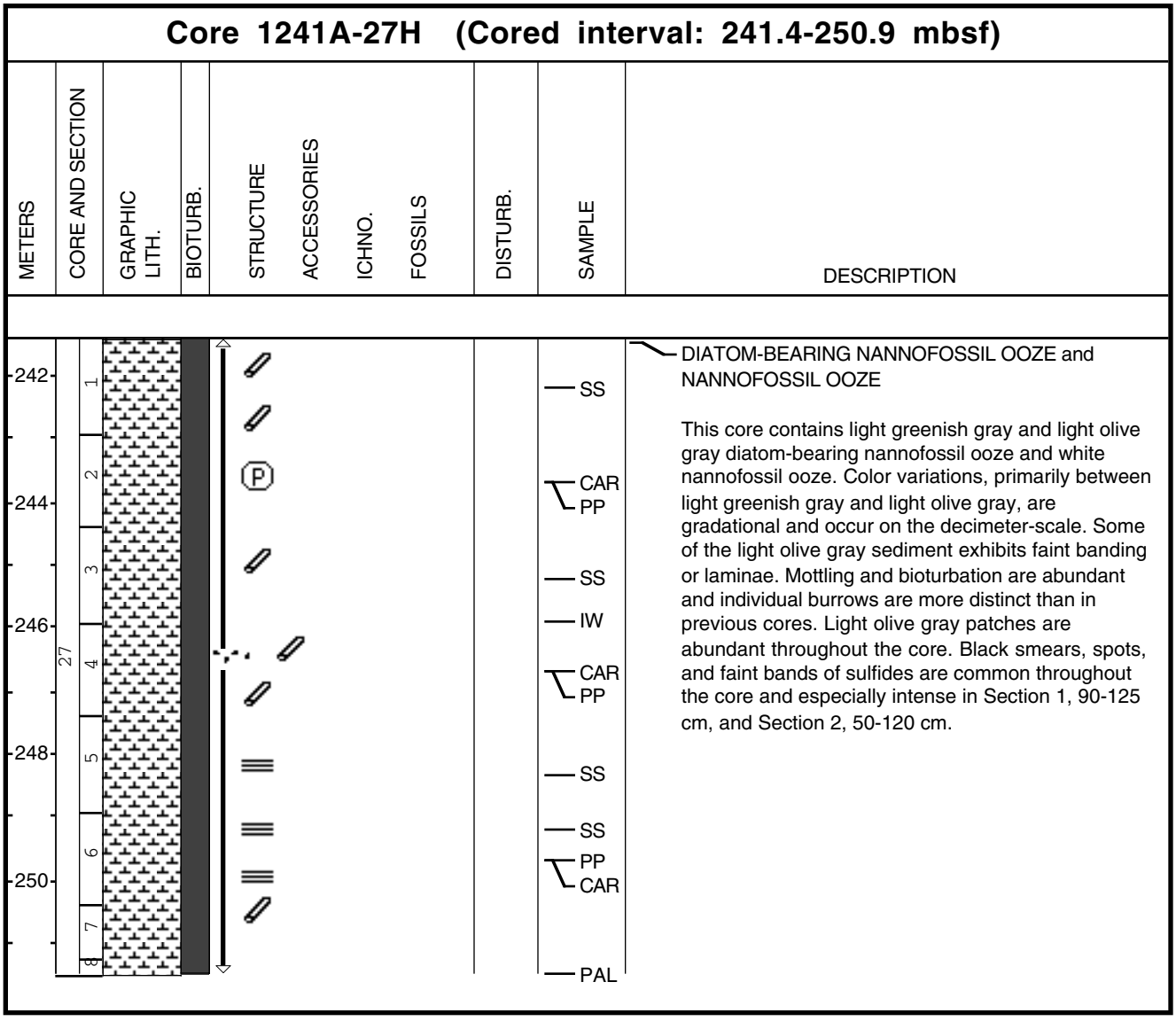
## Core Photo


Core 1241A-25H (Cored interval: 222.4-231.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
224
226
228
230
232
25
1
2
3
4
5
6
7
8
SS
CAR
PP
SS
SS
IW
CAR
PP
CAR
PP
SS
PAL
DIATOM-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains light greenish gray and light olive gray diatom-bearing nannofossil ooze and nannofossil ooze. Decimeter-scale color variations occur gradationally throughout the core. Some white areas, that may be rich in micrite, occur in Section 3. Bioturbation and mottling are abundant, however, distinct burrows are difficult to detect. Mottling is more intense in Section 1, 40-80 cm and 120-130 cm, Section 3, 120-145 cm, Section 4, 40-70 cm, Section 5, ~ 100 cm, and in Section 6, 80-100 cm. Sulfides are present as dark gray or black smears, faint bands, or small granular spots. Small (<1 cm), dark ash spots are present in the bottom of Section 4 and the top of Section 5. A light gray ash layer is present in Section 7, 58-65 cm, with a sharp, although partially disturbed, basal contact and a gradational upper contact, which may extend upcore for another 10 cm. Some ash spots are present just below the ash layer.

## Core Photo

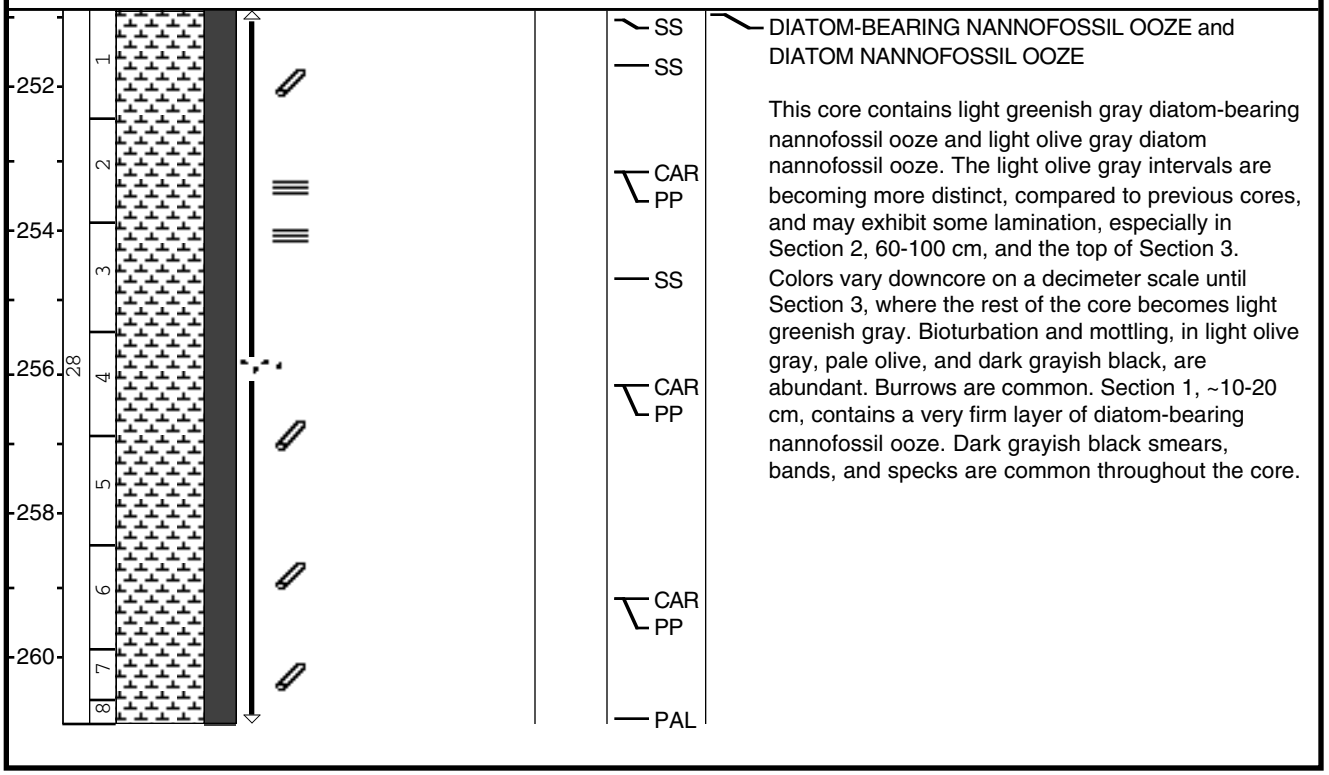

Core 1241A-26H (Cored interval: 231.9-241.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
234
236
238
240
26
1
2
3
4
5
6
7
CC
P
SS
SS
PP
CAR
SS
SS
IW
CAR
PP
PP
CAR
PAL
DIATOM-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains light greenish gray diatom-bearing nannofossil ooze and nannofossil ooze. Mottling and bioturbation are abundant and black sulfide smears are common throughout the core. Mottles and patches are light olive gray and intervals of more intense mottling are present in Section 1, 40-90 cm, Section 2, 0-90 cm, Section 3, 40-100 cm, Section 4, 0-60 cm, Section 5, 100-140 cm, and Section 6, 0-90 cm. The more intensely mottled intervals coincide with slightly darker intervals of light greenish gray. A piece of scoria (~1 cm) is present in Section 1, 90 cm. A very diffuse, dark gray to black, scoriaceous ash layer is present between 0-6 cm in Section 2, with small specks of ash visible through the basal 6 cm of Section 1. A second ash layer is present at the base of Section 2, 146 cm through Section 3, 3 cm. This ash layer is dark brownish with a sharp basal contact and a gradational upper contact. Ash spots appear below this layer at ~50-60 cm. In Section 7, 56-62 cm, a vertical brownish patch, ~1 cm thick, occurs and is mixed downward to ~ 69 cm.

## Core Photo

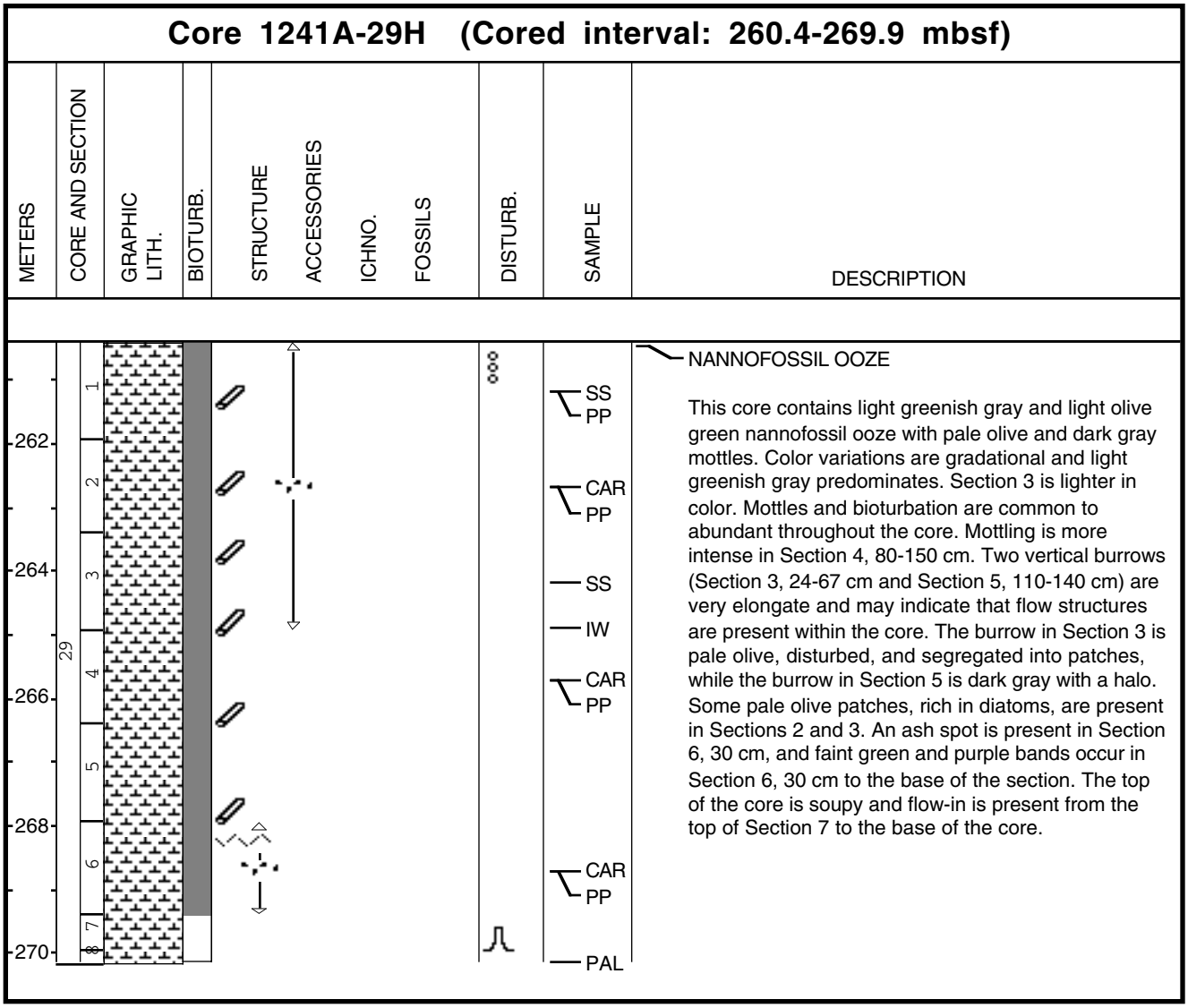

Core 1241A-27H (Cored interval: 241.4-250.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
242
244
246
248
250
27
1
2
3
4
5
6
7
8
P
SS
CAR
PP
SS
IW
CAR
PP
SS
SS
PP
CAR
PAL
DIATOM-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains light greenish gray and light olive gray diatom-bearing nannofossil ooze and white nannofossil ooze. Color variations, primarily between light greenish gray and light olive gray, are gradational and occur on the decimeter-scale. Some of the light olive gray sediment exhibits faint banding or laminae. Mottling and bioturbation are abundant and individual burrows are more distinct than in previous cores. Light olive gray patches are abundant throughout the core. Black smears, spots, and faint bands of sulfides are common throughout the core and especially intense in Section 1, 90-125 cm, and Section 2, 50-120 cm.

## Core Photo

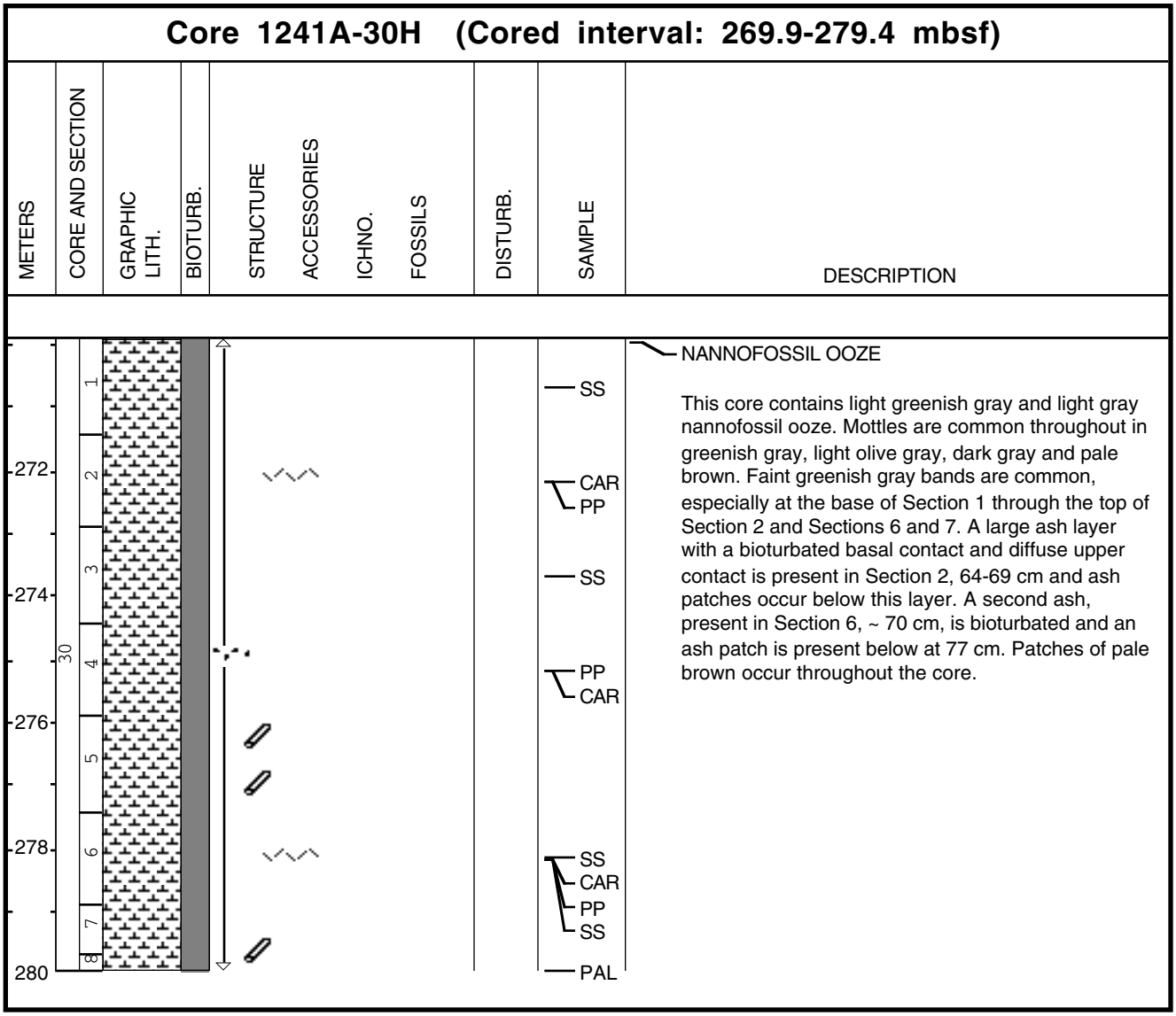
**Core 1241A-28H (Cored interval: 250.9-260.4 mbsf)**



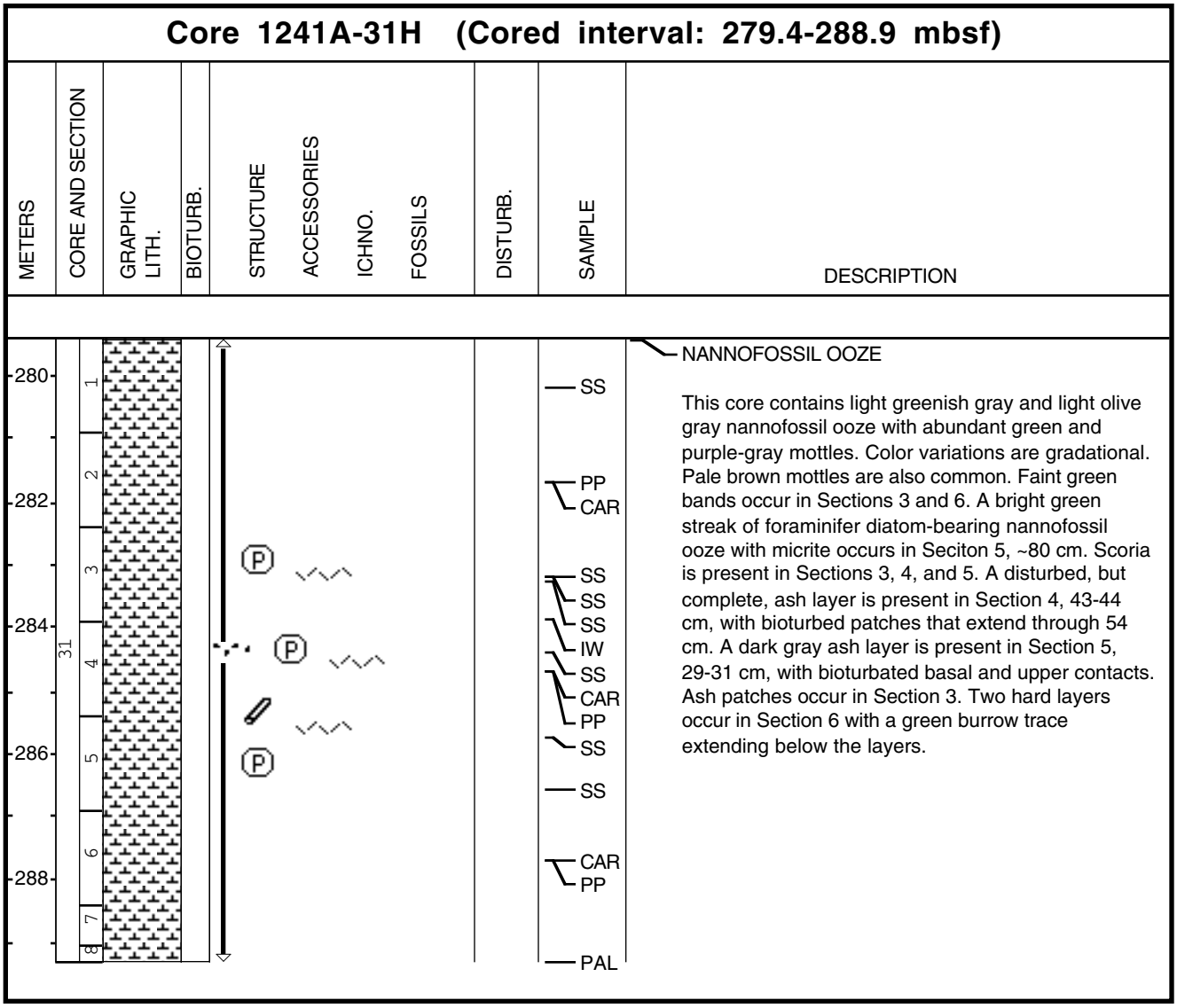
## Core Photo


Core 1241A-29H (Cored interval: 260.4-269.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
262
264
266
268
270
29
1
2
3
4
5
6
7
SS
PP
CAR
PP
SS
IW
CAR
PP
CAR
PP
PAL
NANNOFOSSIL OOZE
This core contains light greenish gray and light olive green nannofossil ooze with pale olive and dark gray mottles. Color variations are gradational and light greenish gray predominates. Section 3 is lighter in color. Mottles and bioturbation are common to abundant throughout the core. Mottling is more intense in Section 4, 80-150 cm. Two vertical burrows (Section 3, 24-67 cm and Section 5, 110-140 cm) are very elongate and may indicate that flow structures are present within the core. The burrow in Section 3 is pale olive, disturbed, and segregated into patches, while the burrow in Section 5 is dark gray with a halo. Some pale olive patches, rich in diatoms, are present in Sections 2 and 3. An ash spot is present in Section 6, 30 cm, and faint green and purple bands occur in Section 6, 30 cm to the base of the section. The top of the core is soupy and flow-in is present from the top of Section 7 to the base of the core.

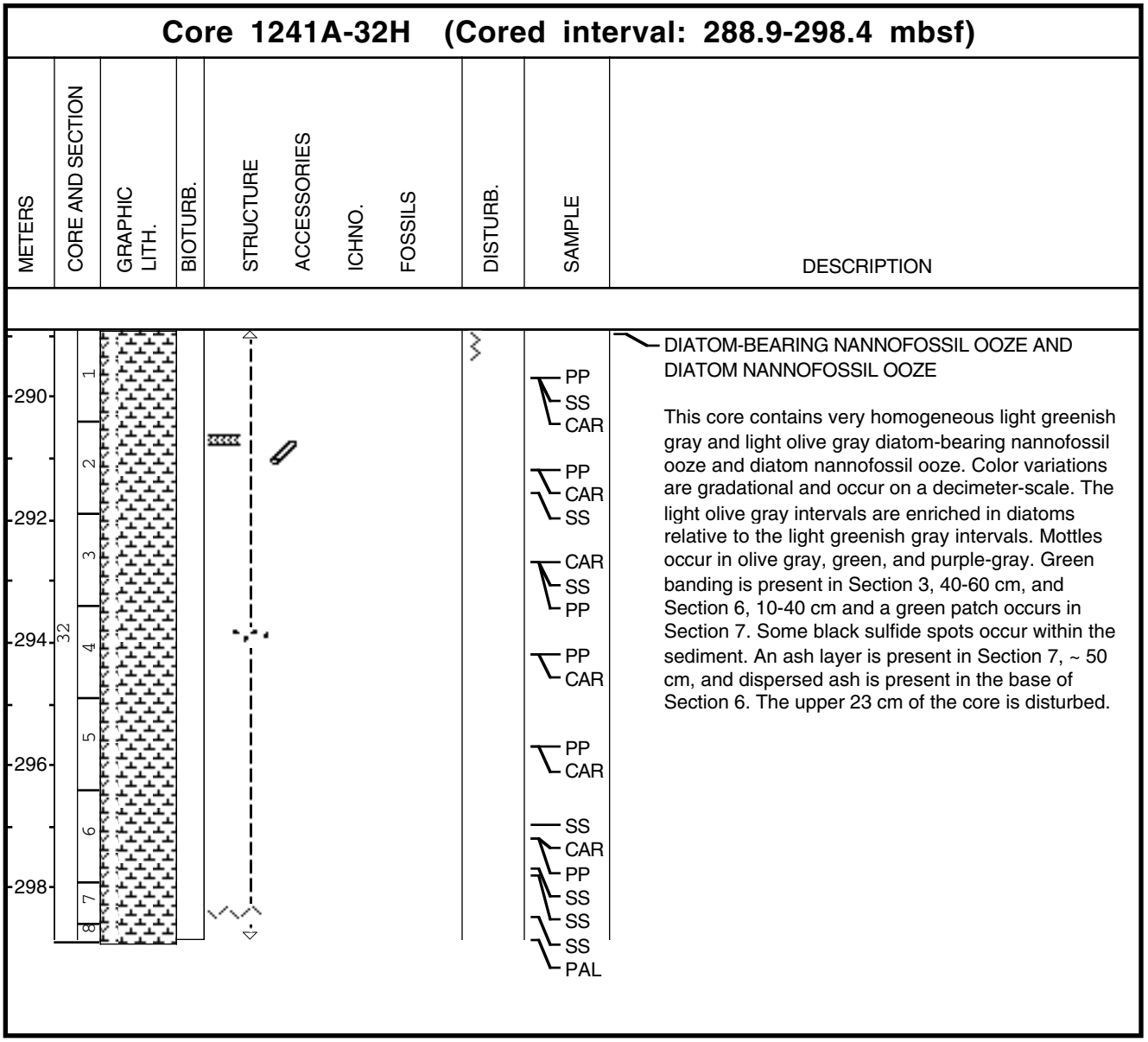
## Core Photo


Core 1241A-30H (Cored interval: 269.9-279.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
272
274
276
278
280
30
1
2
3
4
5
6
7
8
SS
CAR
PP
SS
PP
CAR
SS
CAR
PP
SS
PAL
NANNOFOSSIL OOZE
This core contains light greenish gray and light gray nannofossil ooze. Mottles are common throughout in greenish gray, light olive gray, dark gray and pale brown. Faint greenish gray bands are common, especially at the base of Section 1 through the top of Section 2 and Sections 6 and 7. A large ash layer with a bioturbated basal contact and diffuse upper contact is present in Section 2, 64-69 cm and ash patches occur below this layer. A second ash, present in Section 6, ~ 70 cm, is bioturbated and an ash patch is present below at 77 cm. Patches of pale brown occur throughout the core.

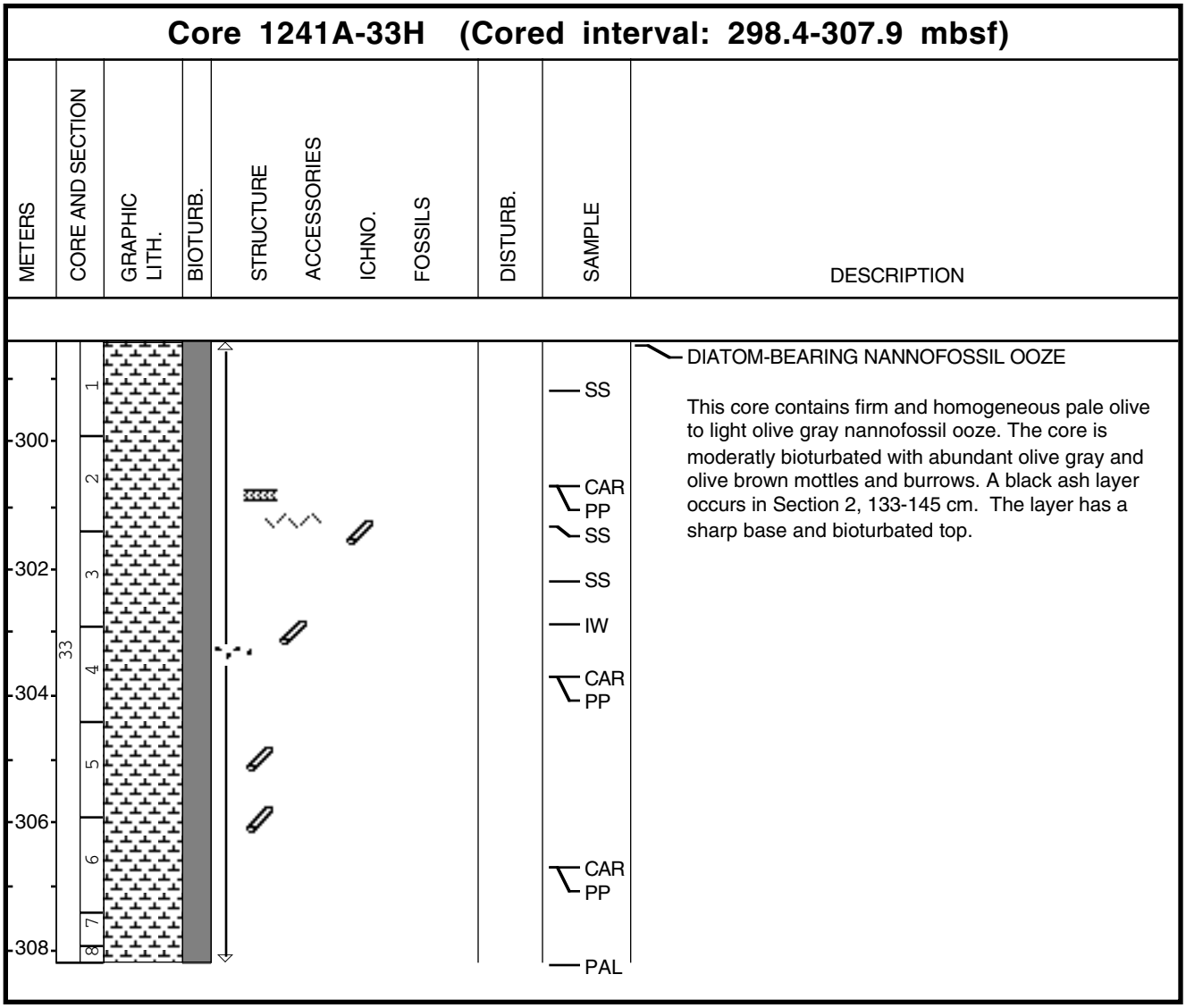
## Core Photo


Core 1241A-31H (Cored interval: 279.4-288.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
280
282
284
286
288
31
1
2
3
4
5
6
7
8
P
P
P
SS
PP
CAR
SS
SS
SS
IW
SS
CAR
PP
SS
SS
CAR
PP
PAL
NANNOFOSSIL OOZE
This core contains light greenish gray and light olive gray nannofossil ooze with abundant green and purple-gray mottles. Color variations are gradational. Pale brown mottles are also common. Faint green bands occur in Sections 3 and 6. A bright green streak of foraminifer diatom-bearing nannofossil ooze with micrite occurs in Seciton 5, ~80 cm. Scoria is present in Sections 3, 4, and 5. A disturbed, but complete, ash layer is present in Section 4, 43-44 cm, with bioturbed patches that extend through 54 cm. A dark gray ash layer is present in Section 5, 29-31 cm, with bioturbated basal and upper contacts. Ash patches occur in Section 3. Two hard layers occur in Section 6 with a green burrow trace extending below the layers.

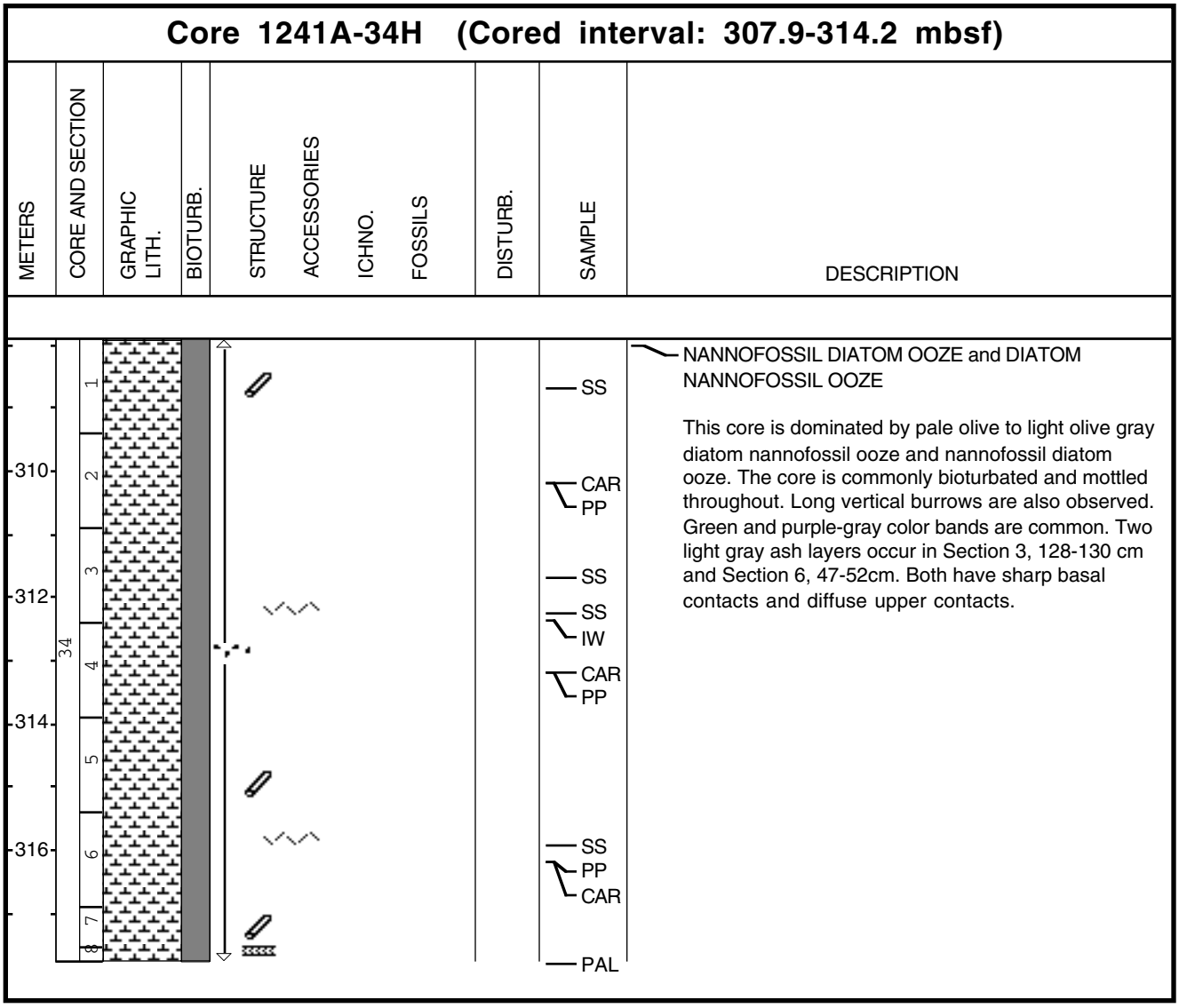
## Core Photo


Core 1241A-32H (Cored interval: 288.9-298.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
290
292
294
296
298
32
1
2
3
4
5
6
7
PP
SS
CAR
PP
CAR
SS
CAR
SS
PP
PP
CAR
PP
CAR
SS
CAR
PP
SS
SS
SS
PAL
DIATOM-BEARING NANNOFOSSIL OOZE AND DIATOM NANNOFOSSIL OOZE
This core contains very homogeneous light greenish gray and light olive gray diatom-bearing nannofossil ooze and diatom nannofossil ooze. Color variations are gradational and occur on a decimeter-scale. The light olive gray intervals are enriched in diatoms relative to the light greenish gray intervals. Mottles occur in olive gray, green, and purple-gray. Green banding is present in Section 3, 40-60 cm, and Section 6, 10-40 cm and a green patch occurs in Section 7. Some black sulfide spots occur within the sediment. An ash layer is present in Section 7, ~ 50 cm, and dispersed ash is present in the base of Section 6. The upper 23 cm of the core is disturbed.

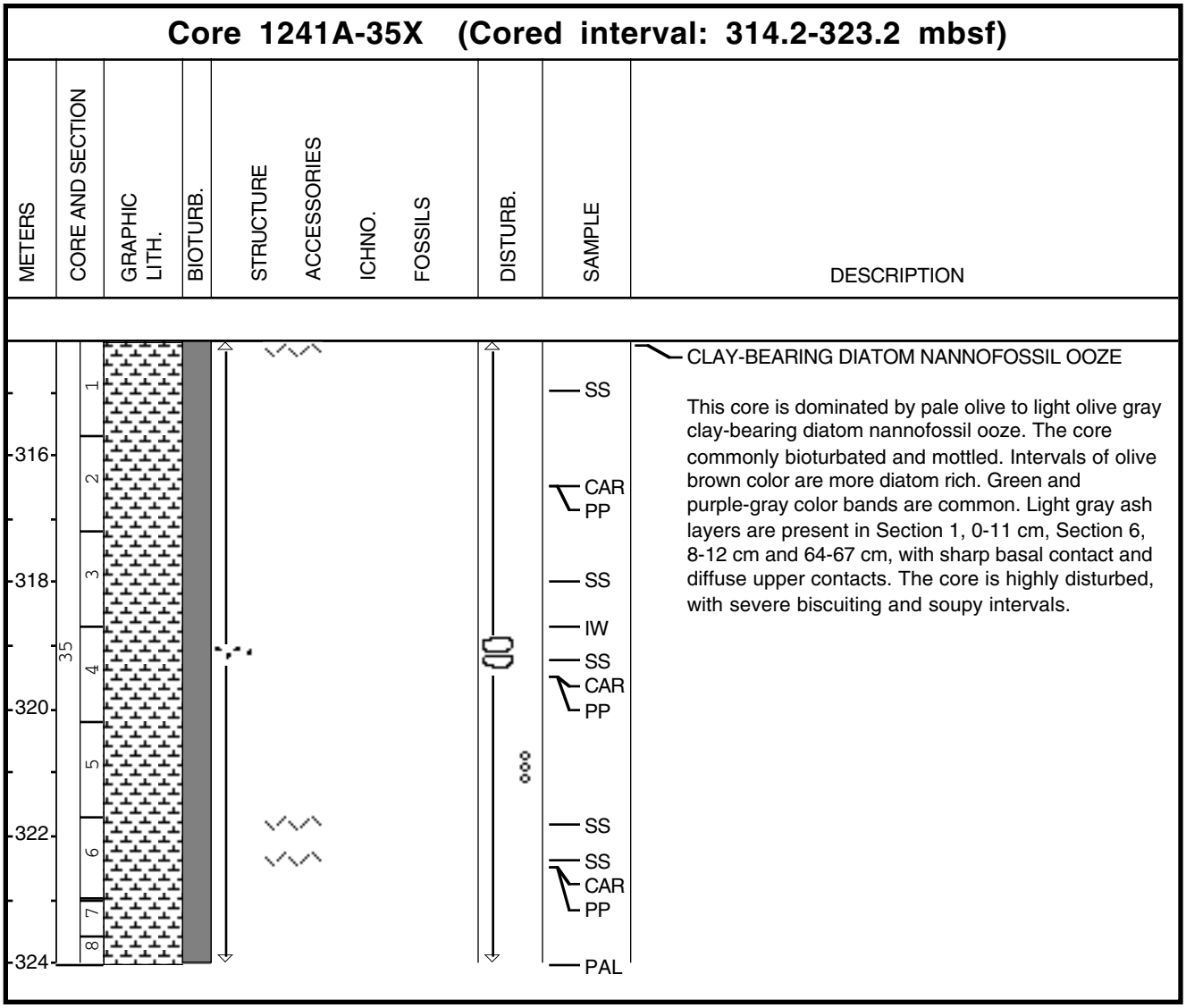
## Core Photo


Core 1241A-33H (Cored interval: 298.4-307.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
300
302
304
306
308
33
1
2
3
4
5
6
7
8
SS
CAR
PP
SS
SS
IW
CAR
PP
CAR
PP
PAL
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains firm and homogeneous pale olive to light olive gray nannofossil ooze. The core is moderatly bioturbated with abundant olive gray and olive brown mottles and burrows. A black ash layer occurs in Section 2, 133-145 cm. The layer has a sharp base and bioturbated top.

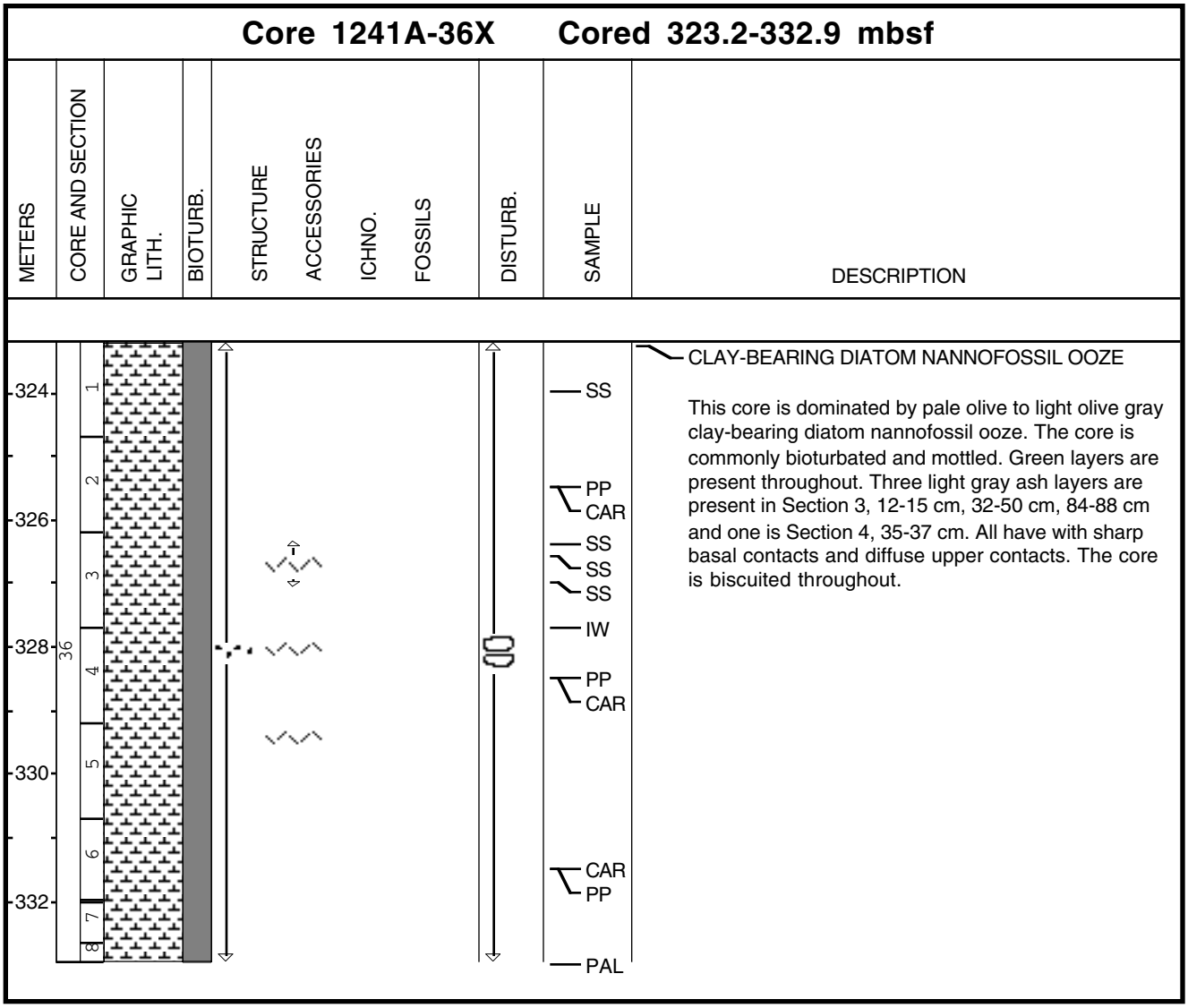
## Core Photo


Core 1241A-34H (Cored interval: 307.9-314.2 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
310
312
314
316
34
1
2
3
4
5
6
7
8
SS
CAR
PP
SS
SS
IW
CAR
PP
SS
PP
CAR
PAL
NANNOFOSSIL DIATOM OOZE and DIATOM NANNOFOSSIL OOZE
This core is dominated by pale olive to light olive gray diatom nannofossil ooze and nannofossil diatom ooze. The core is commonly bioturbated and mottled throughout. Long vertical burrows are also observed. Green and purple-gray color bands are common. Two light gray ash layers occur in Section 3, 128-130 cm and Section 6, 47-52cm. Both have sharp basal contacts and diffuse upper contacts.

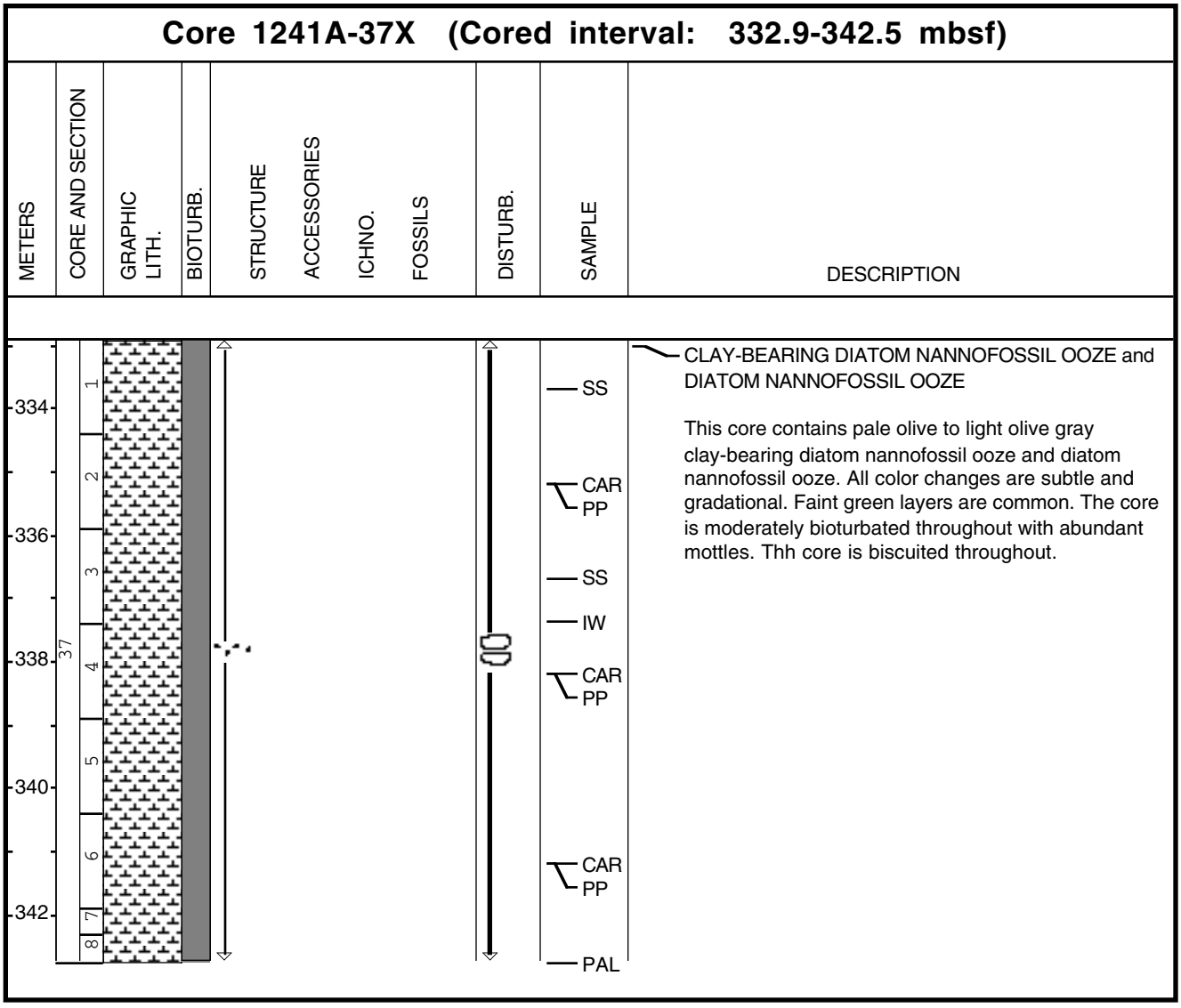
## Core Photo


Core 1241A-35X (Cored interval: 314.2-323.2 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
316
318
320
322
324
35
1
2
3
4
5
6
7
8
SS
CAR
PP
SS
IW
SS
CAR
PP
SS
SS
CAR
PP
PAL
CLAY-BEARING DIATOM NANNOFOSSIL OOZE
This core is dominated by pale olive to light olive gray clay-bearing diatom nannofossil ooze. The core commonly bioturbated and mottled. Intervals of olive brown color are more diatom rich. Green and purple-gray color bands are common. Light gray ash layers are present in Section 1, 0-11 cm, Section 6, 8-12 cm and 64-67 cm, with sharp basal contact and diffuse upper contacts. The core is highly disturbed, with severe biscuiting and soupy intervals.

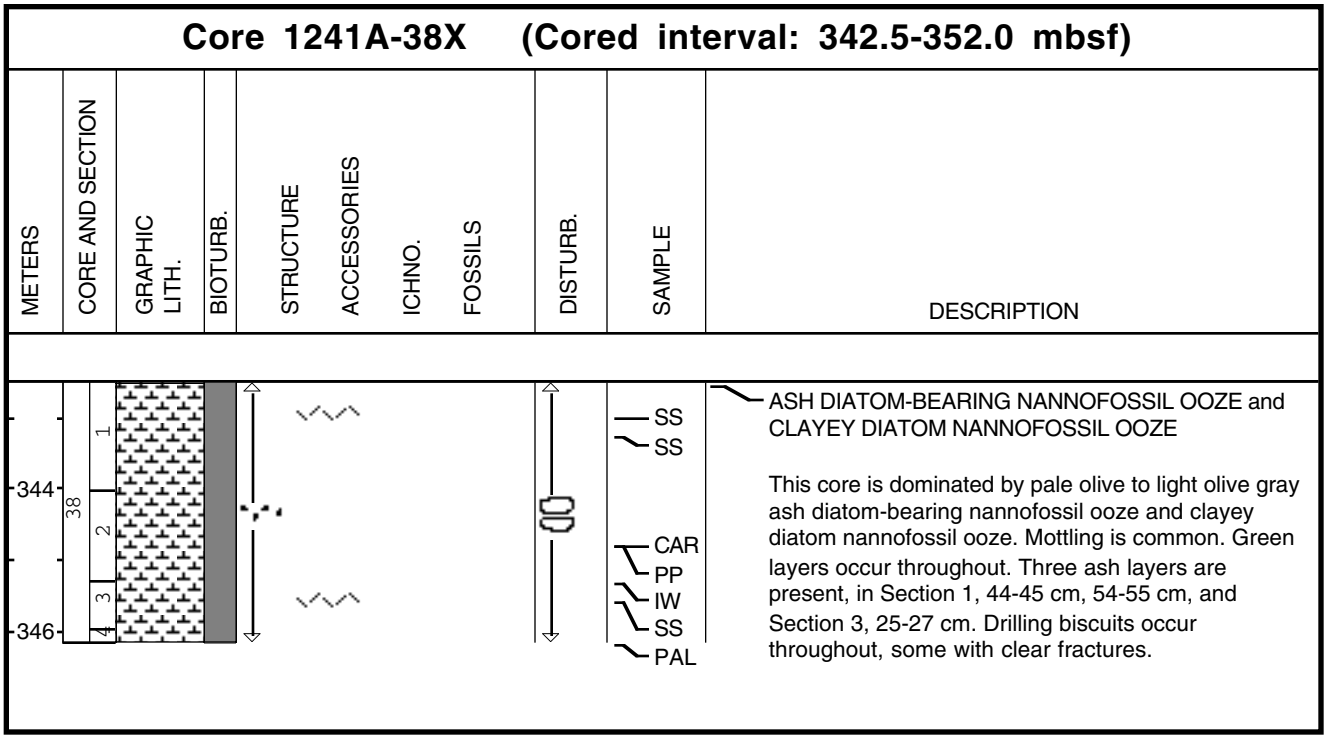
## Core Photo


Core 1241A-36X Cored 323.2-332.9 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
324
326
328
330
332
36
1
2
3
4
5
6
7
8
SS
PP
CAR
SS
SS
SS
IW
PP
CAR
CAR
PP
PAL
CLAY-BEARING DIATOM NANNOFOSSIL OOZE
This core is dominated by pale olive to light olive gray clay-bearing diatom nannofossil ooze. The core is commonly bioturbated and mottled. Green layers are present throughout. Three light gray ash layers are present in Section 3, 12-15 cm, 32-50 cm, 84-88 cm and one is Section 4, 35-37 cm. All have with sharp basal contacts and diffuse upper contacts. The core is biscuited throughout.

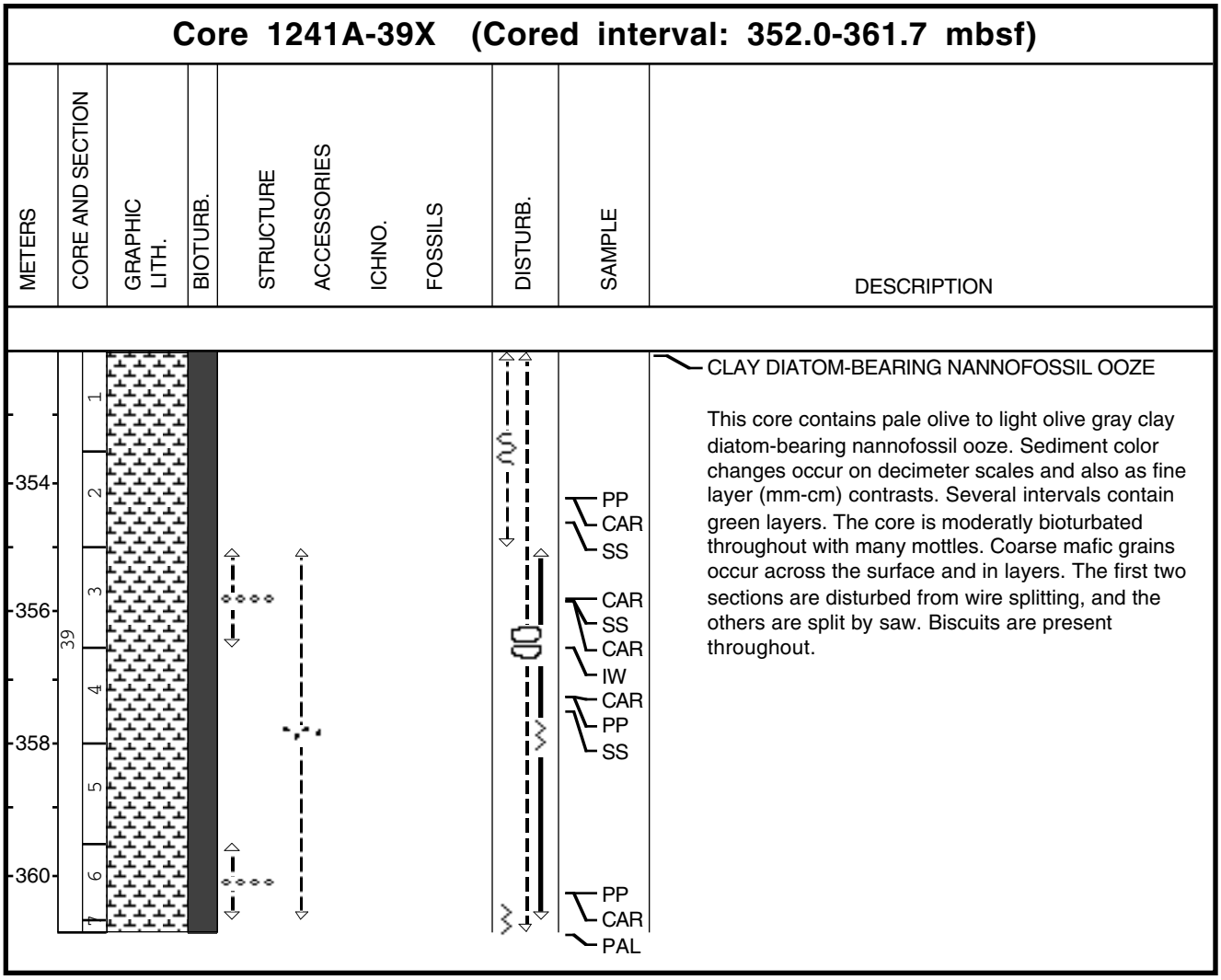
## Core Photo


Core 1241A-37X (Cored interval: 332.9-342.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
334
336
338
340
342
37
1
2
3
4
5
6
7
8
SS
CAR
PP
SS
IW
CAR
PP
CAR
PP
PAL
CLAY-BEARING DIATOM NANNOFOSSIL OOZE and DIATOM NANNOFOSSIL OOZE
This core contains pale olive to light olive gray clay-bearing diatom nannofossil ooze and diatom nannofossil ooze. All color changes are subtle and gradational. Faint green layers are common. The core is moderately bioturbated throughout with abundant mottles. Thh core is biscuited throughout.

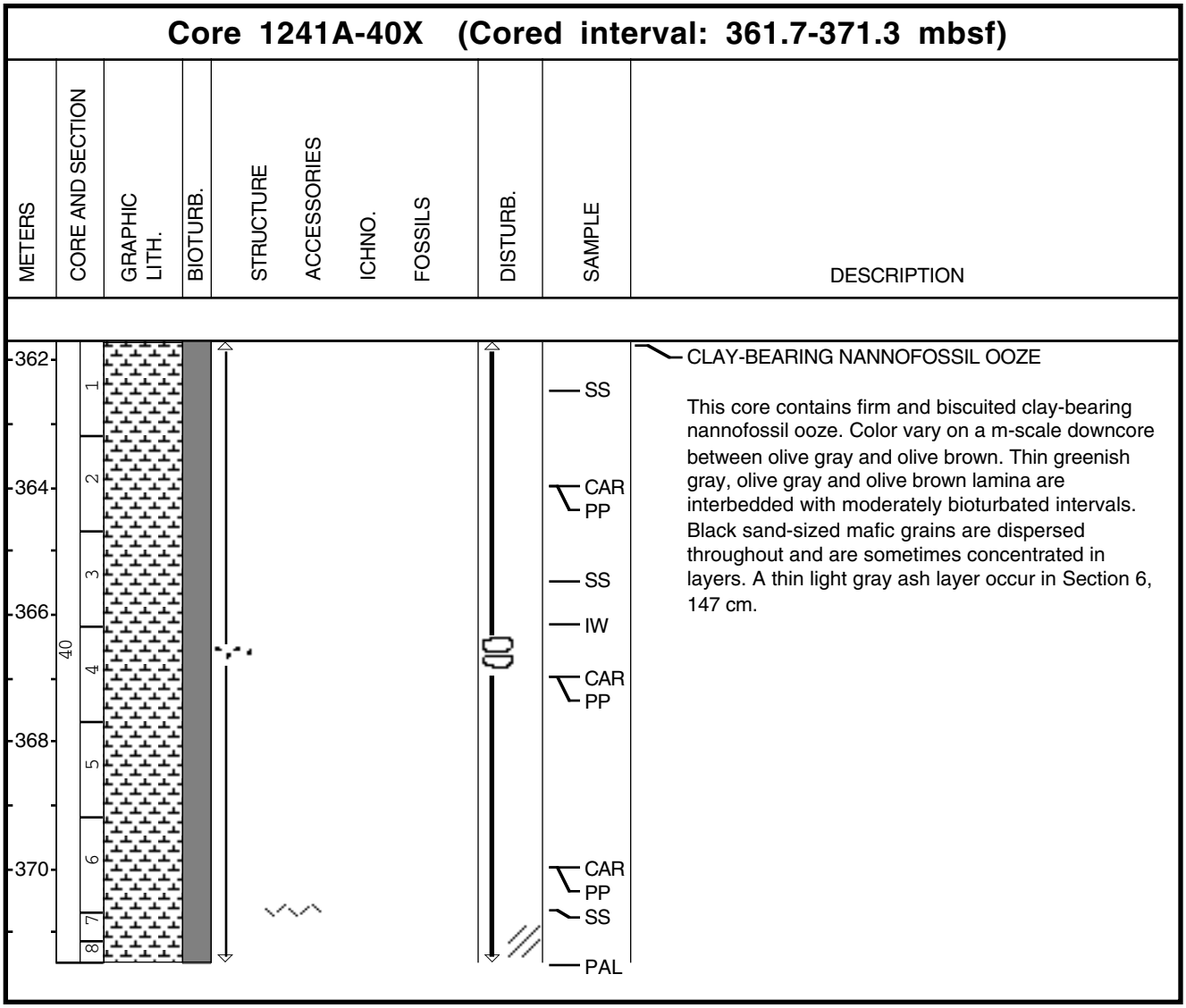
## Core Photo


Core 1241A-38X (Cored interval: 342.5-352.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
344
346
38
1
2
3
4
SS
SS
CAR
PP
IW
SS
PAL
ASH DIATOM-BEARING NANNOFOSSIL OOZE and CLAYEY DIATOM NANNOFOSSIL OOZE
This core is dominated by pale olive to light olive gray ash diatom-bearing nannofossil ooze and clayey diatom nannofossil ooze. Mottling is common. Green layers occur throughout. Three ash layers are present, in Section 1, 44-45 cm, 54-55 cm, and Section 3, 25-27 cm. Drilling biscuits occur throughout, some with clear fractures.

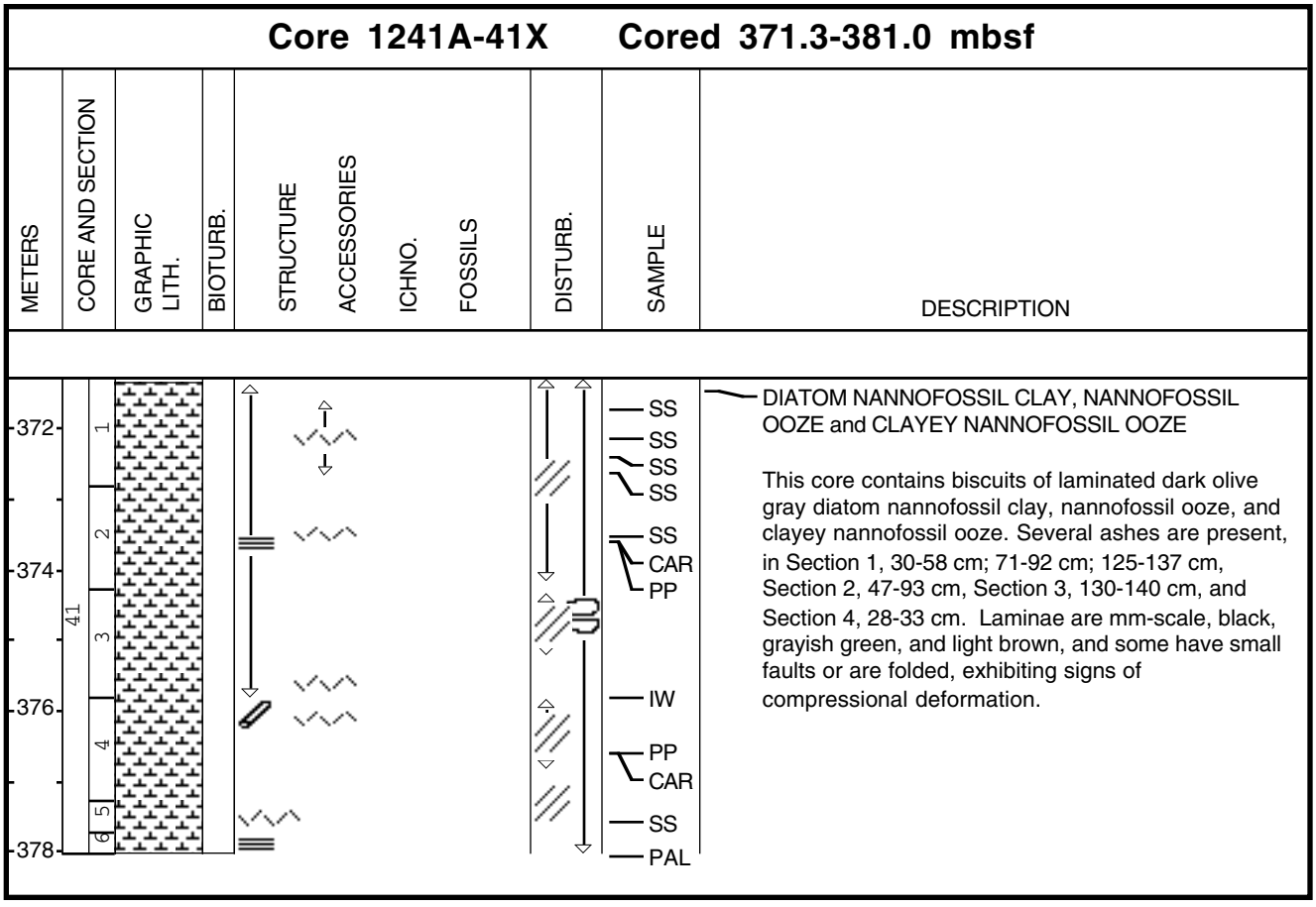
## Core Photo


Core 1241A-39X (Cored interval: 352.0-361.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
354
356
358
360
39
1
2
3
4
5
6
PP
CAR
SS
CAR
SS
CAR
IW
CAR
PP
SS
PP
CAR
PAL
CLAY DIATOM-BEARING NANNOFOSSIL OOZE
This core contains pale olive to light olive gray clay diatom-bearing nannofossil ooze. Sediment color changes occur on decimeter scales and also as fine layer (mm-cm) contrasts. Several intervals contain green layers. The core is moderatly bioturbated throughout with many mottles. Coarse mafic grains occur across the surface and in layers. The first two sections are disturbed from wire splitting, and the others are split by saw. Biscuits are present throughout.

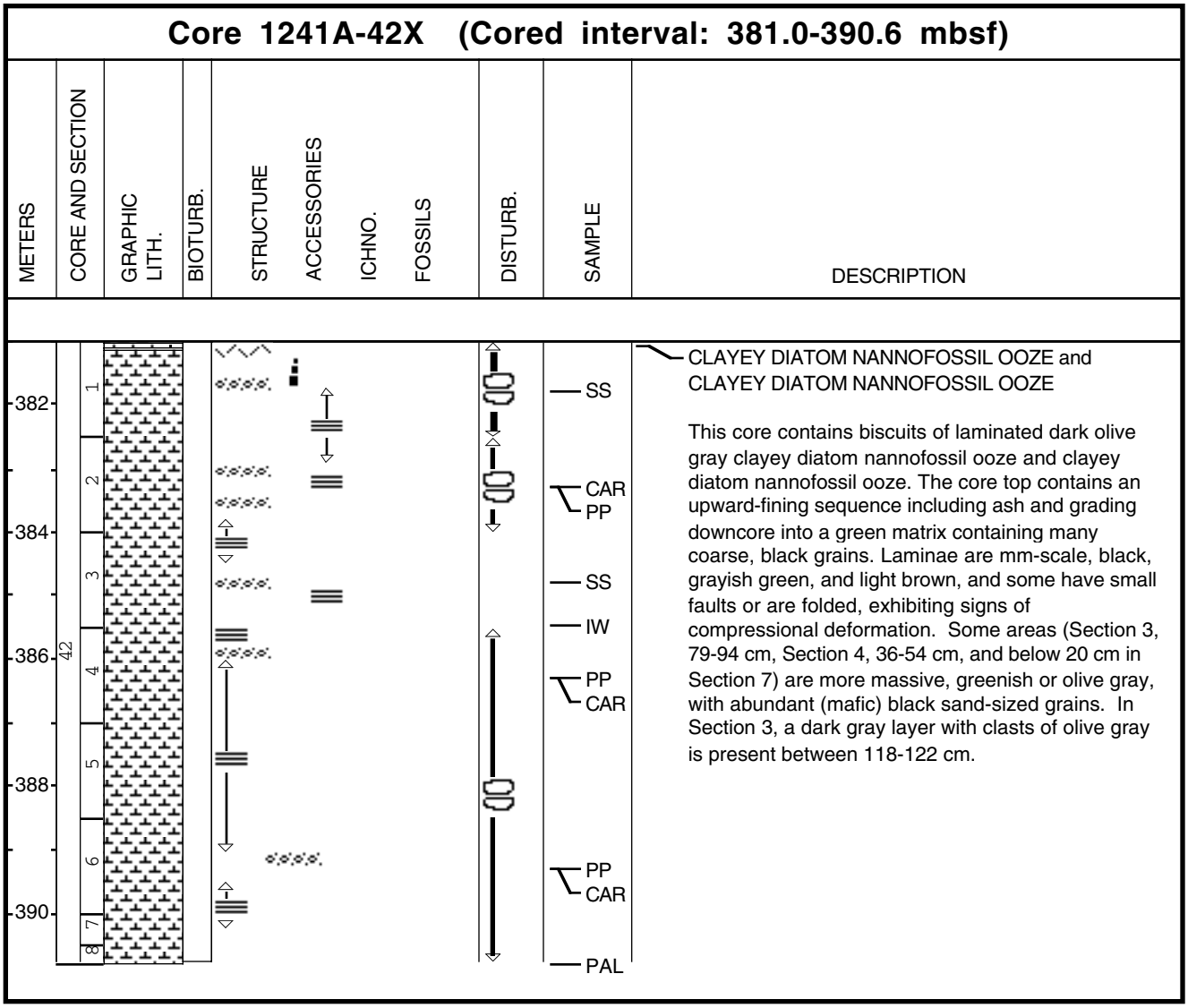
## Core Photo


Core 1241A-40X (Cored interval: 361.7-371.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
362
364
366
368
370
40
1
2
3
4
5
6
7
8
SS
CAR
PP
SS
IW
CAR
PP
CAR
PP
SS
PAL
CLAY-BEARING NANNOFOSSIL OOZE
This core contains firm and biscuited clay-bearing nannofossil ooze. Color vary on a m-scale downcore between olive gray and olive brown. Thin greenish gray, olive gray and olive brown lamina are interbedded with moderately bioturbated intervals. Black sand-sized mafic grains are dispersed throughout and are sometimes concentrated in layers. A thin light gray ash layer occur in Section 6, 147 cm.

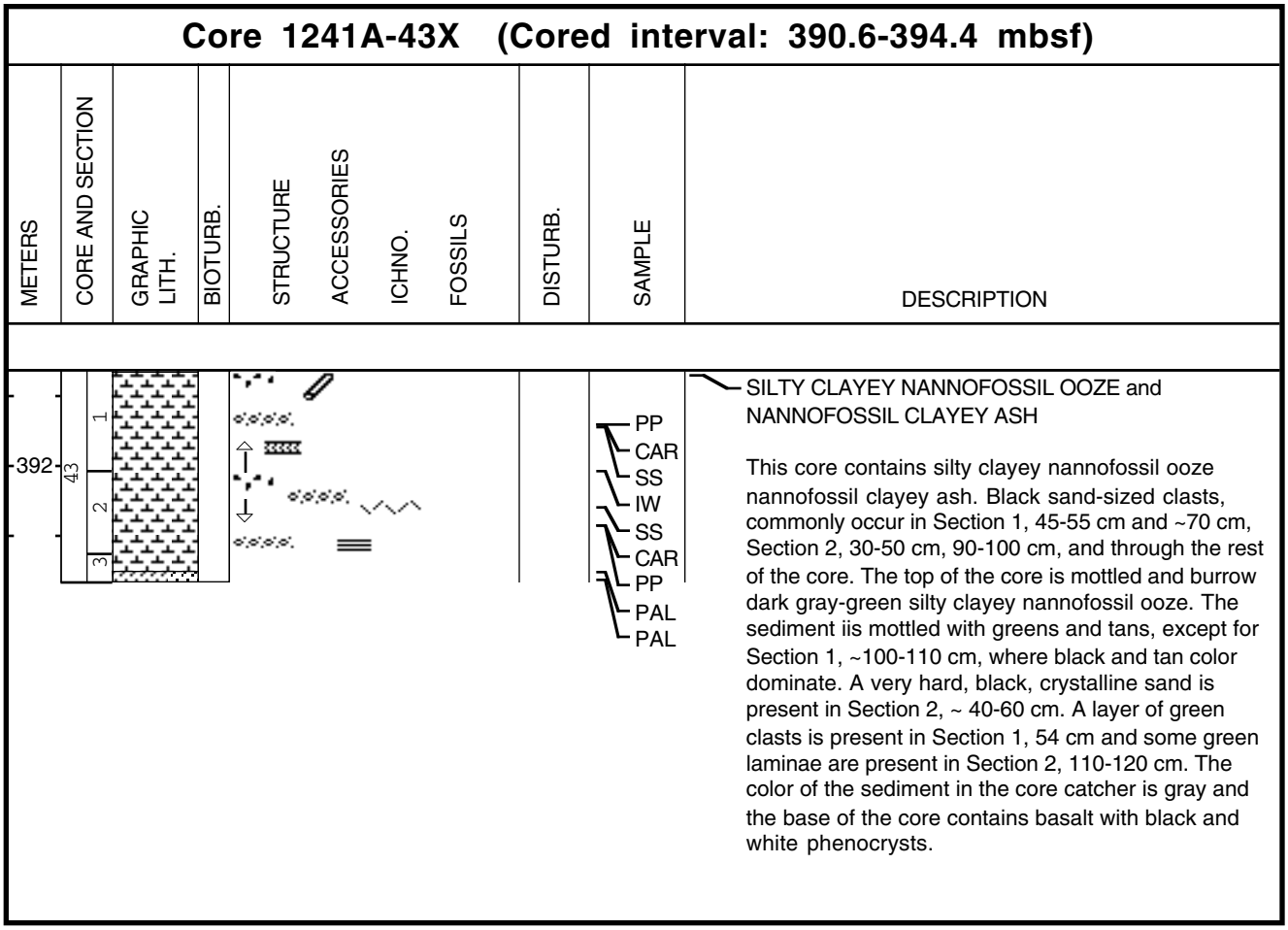
## Core Photo


Core 1241A-41X Cored 371.3-381.0 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
372
374
376
378
41
1
2
3
4
5
6
SS
SS
SS
SS
SS
CAR
PP
IW
PP
CAR
SS
PAL
DIATOM NANNOFOSSIL CLAY, NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL OOZE
This core contains biscuits of laminated dark olive gray diatom nannofossil clay, nannofossil ooze, and clayey nannofossil ooze. Several ashes are present, in Section 1, 30-58 cm; 71-92 cm; 125-137 cm, Section 2, 47-93 cm, Section 3, 130-140 cm, and Section 4, 28-33 cm. Laminae are mm-scale, black, grayish green, and light brown, and some have small faults or are folded, exhibiting signs of compressional deformation.

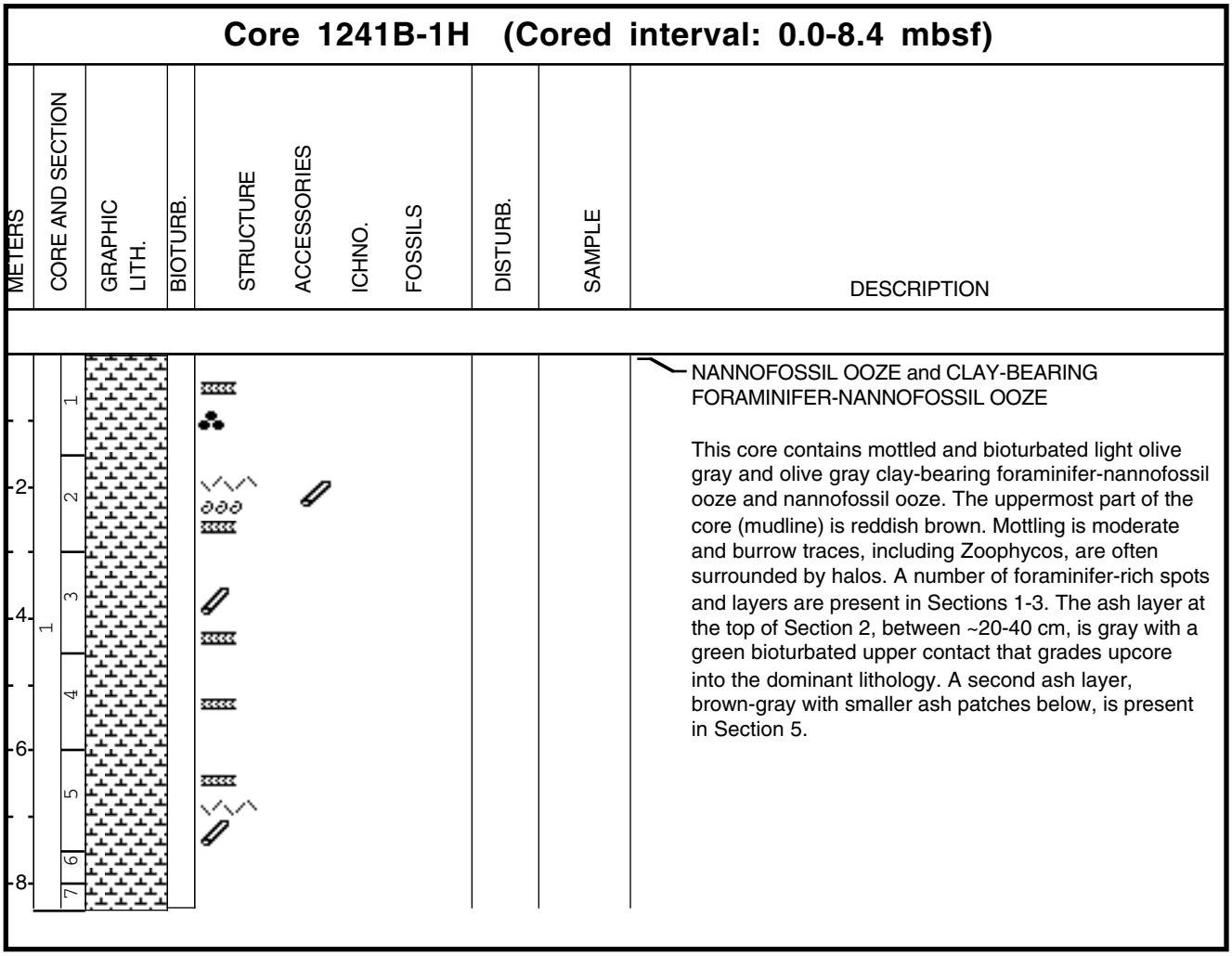
## Core Photo


Core 1241A-42X (Cored interval: 381.0-390.6 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
382
384
386
388
390
42
1
2
3
4
5
6
7
8
SS
CAR
PP
SS
IW
PP
CAR
PP
CAR
PAL
CLAYEY DIATOM NANNOFOSSIL OOZE and
CLAYEY DIATOM NANNOFOSSIL OOZE
This core contains biscuits of laminated dark olive gray clayey diatom nannofossil ooze and clayey diatom nannofossil ooze. The core top contains an upward-fining sequence including ash and grading downcore into a green matrix containing many coarse, black grains. Laminae are mm-scale, black, grayish green, and light brown, and some have small faults or are folded, exhibiting signs of compressional deformation. Some areas (Section 3, 79-94 cm, Section 4, 36-54 cm, and below 20 cm in Section 7) are more massive, greenish or olive gray, with abundant (mafic) black sand-sized grains. In Section 3, a dark gray layer with clasts of olive gray is present between 118-122 cm.

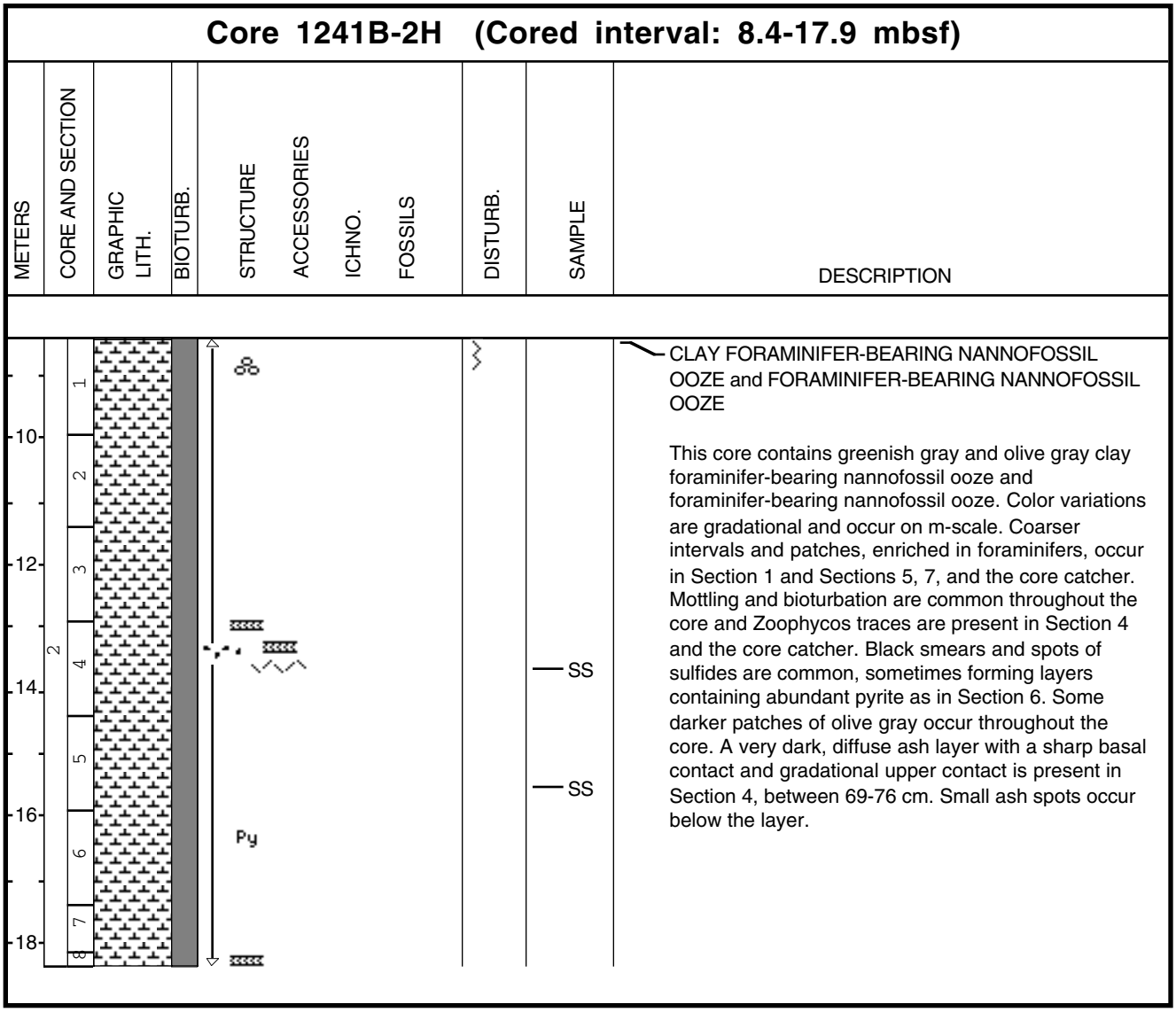
## Core Photo


Core 1241A-43X (Cored interval: 390.6-394.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
392
43
1
2
3
PP
CAR
SS
IW
SS
CAR
PP
PAL
PAL
SILTY CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL CLAYEY ASH
This core contains silty clayey nannofossil ooze nannofossil clayey ash. Black sand-sized clasts, commonly occur in Section 1, 45-55 cm and ~70 cm, Section 2, 30-50 cm, 90-100 cm, and through the rest of the core. The top of the core is mottled and burrow dark gray-green silty clayey nannofossil ooze. The sediment iis mottled with greens and tans, except for Section 1, ~100-110 cm, where black and tan color dominate. A very hard, black, crystalline sand is present in Section 2, ~ 40-60 cm. A layer of green clasts is present in Section 1, 54 cm and some green laminae are present in Section 2, 110-120 cm. The color of the sediment in the core catcher is gray and the base of the core contains basalt with black and white phenocrysts.

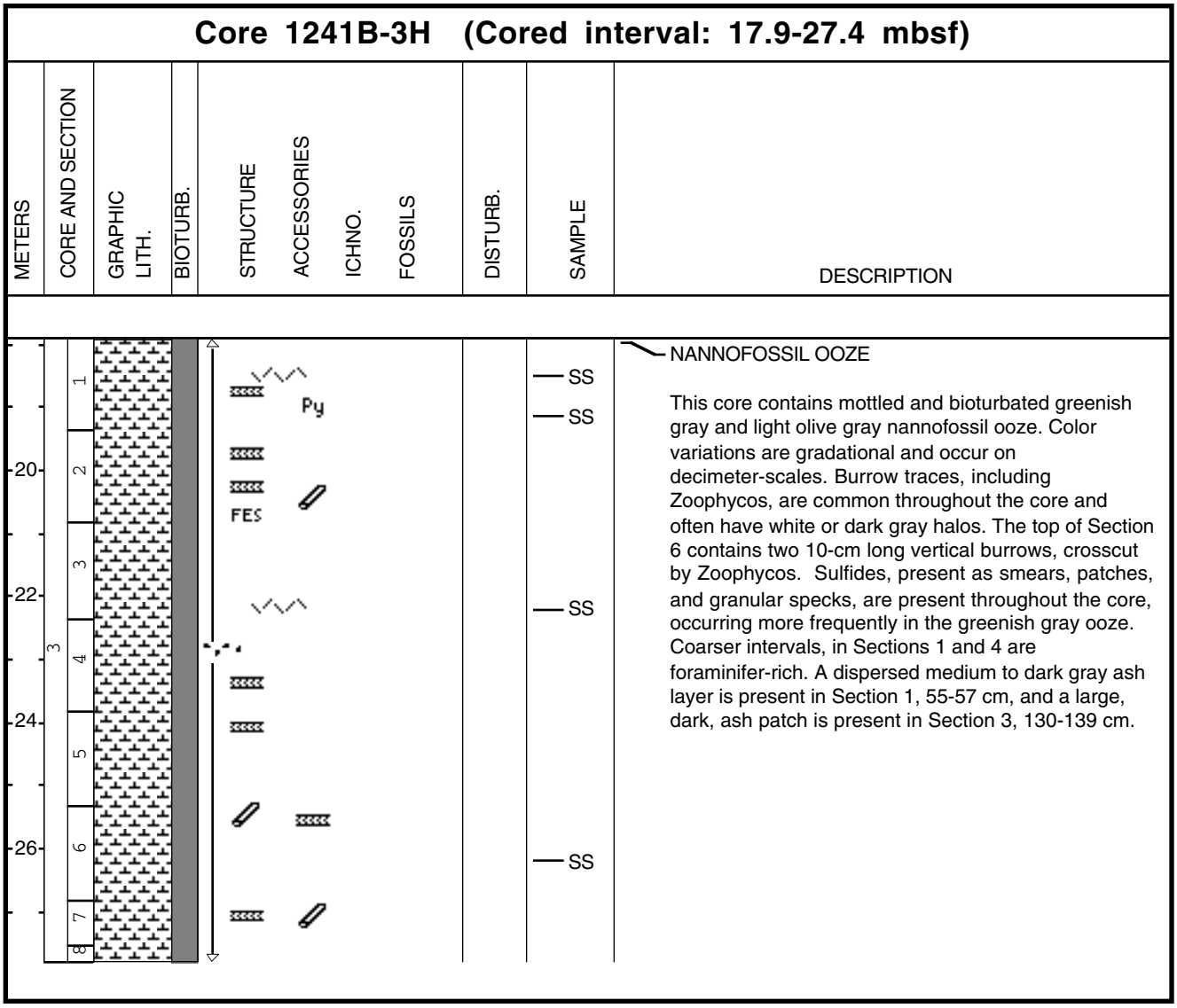
## Core Photo


Core 1241B-1H (Cored interval: 0.0-8.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
NANNOFOSSIL OOZE and CLAY-BEARING FORAMINIFER-NANNOFOSSIL OOZE
This core contains mottled and bioturbated light olive gray and olive gray clay-bearing foraminifer-nannofossil ooze and nannofossil ooze. The uppermost part of the core (mudline) is reddish brown. Mottling is moderate and burrow traces, including Zoophycos, are often surrounded by halos. A number of foraminifer-rich spots and layers are present in Sections 1-3. The ash layer at the top of Section 2, between ~20-40 cm, is gray with a green bioturbated upper contact that grades upcore into the dominant lithology. A second ash layer, brown-gray with smaller ash patches below, is present in Section 5.

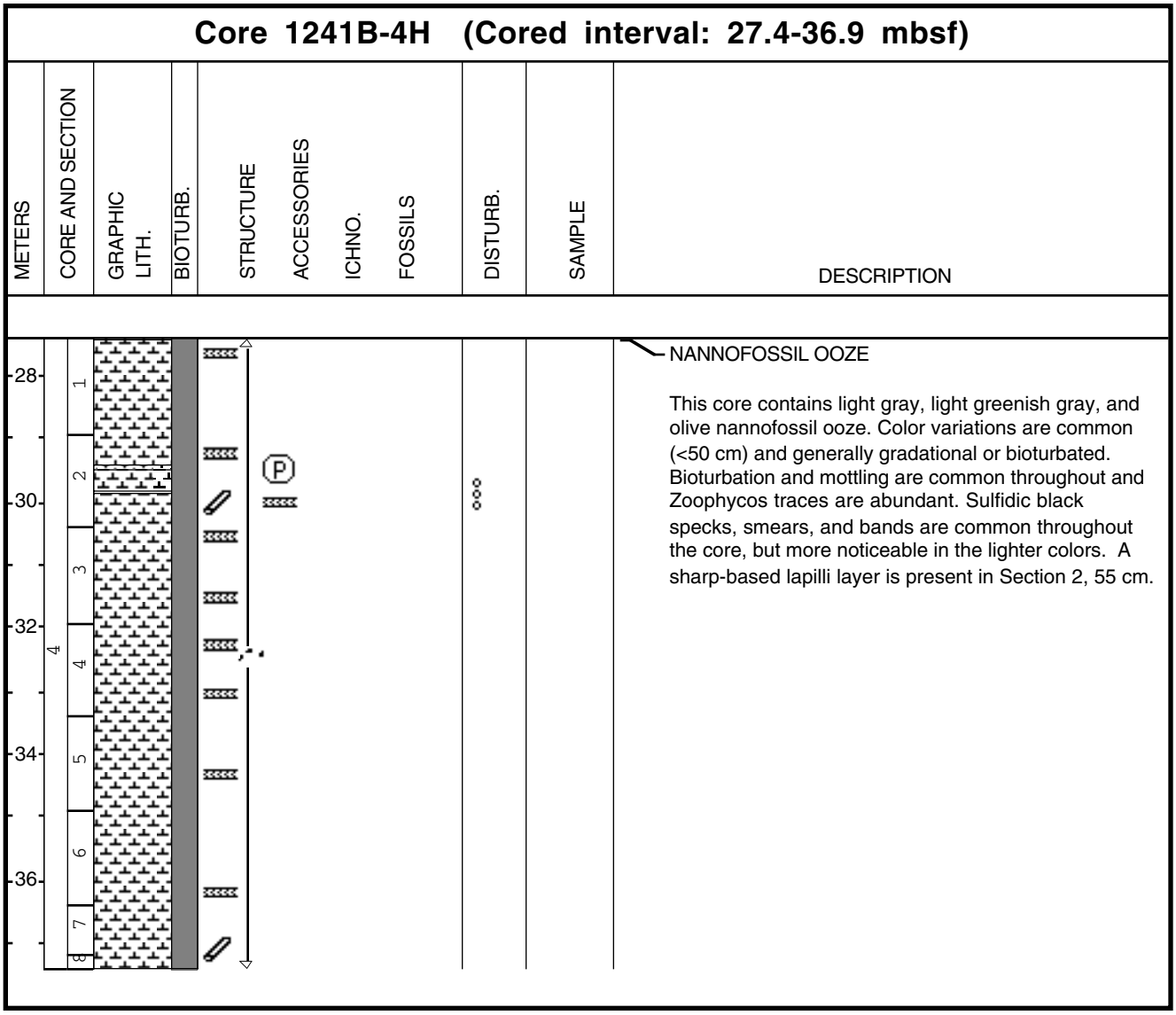
## Core Photo


Core 1241B-2H (Cored interval: 8.4-17.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
10
12
14
16
18
2
1
2
3
4
5
6
7
8
Py
SS
SS
CLAY FORAMINIFER-BEARING NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains greenish gray and olive gray clay foraminifer-bearing nannofossil ooze and foraminifer-bearing nannofossil ooze. Color variations are gradational and occur on m-scale. Coarser intervals and patches, enriched in foraminifers, occur in Section 1 and Sections 5, 7, and the core catcher. Mottling and bioturbation are common throughout the core and Zoophycos traces are present in Section 4 and the core catcher. Black smears and spots of sulfides are common, sometimes forming layers containing abundant pyrite as in Section 6. Some darker patches of olive gray occur throughout the core. A very dark, diffuse ash layer with a sharp basal contact and gradational upper contact is present in Section 4, between 69-76 cm. Small ash spots occur below the layer.

## Core Photo

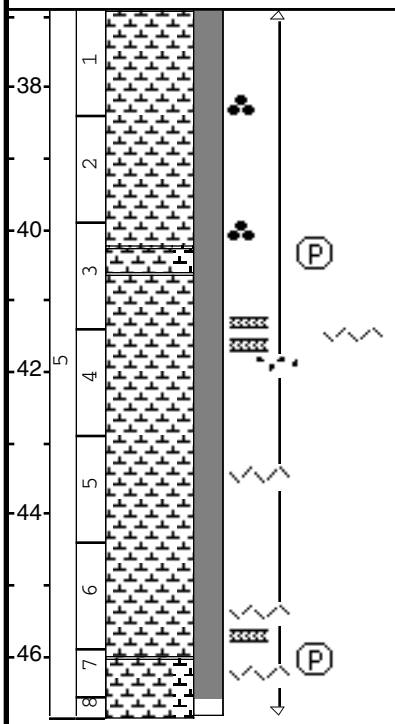

Core 1241B-3H (Cored interval: 17.9-27.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
20
22
24
26
1
2
3
4
5
6
7
3
Py
FES
SS
SS
SS
SS
NANNOFOSSIL OOZE
This core contains mottled and bioturbated greenish gray and light olive gray nannofossil ooze. Color variations are gradational and occur on decimeter-scales. Burrow traces, including Zoophycos, are common throughout the core and often have white or dark gray halos. The top of Section 6 contains two 10-cm long vertical burrows, crosscut by Zoophycos. Sulfides, present as smears, patches, and granular specks, are present throughout the core, occurring more frequently in the greenish gray ooze. Coarser intervals, in Sections 1 and 4 are foraminifer-rich. A dispersed medium to dark gray ash layer is present in Section 1, 55-57 cm, and a large, dark, ash patch is present in Section 3, 130-139 cm.

## Core Photo


Core 1241B-4H (Cored interval: 27.4-36.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
28
30
32
34
36
4
1
2
3
4
5
6
7
P
NANNOFOSSIL OOZE
This core contains light gray, light greenish gray, and olive nannofossil ooze. Color variations are common (<50 cm) and generally gradational or bioturbated. Bioturbation and mottling are common throughout and Zoophycos traces are abundant. Sulfidic black specks, smears, and bands are common throughout the core, but more noticeable in the lighter colors. A sharp-based lapilli layer is present in Section 2, 55 cm.

## Core Photo

**Core 1241B-5H (Cored interval: 36.9-46.4 mbsf)**

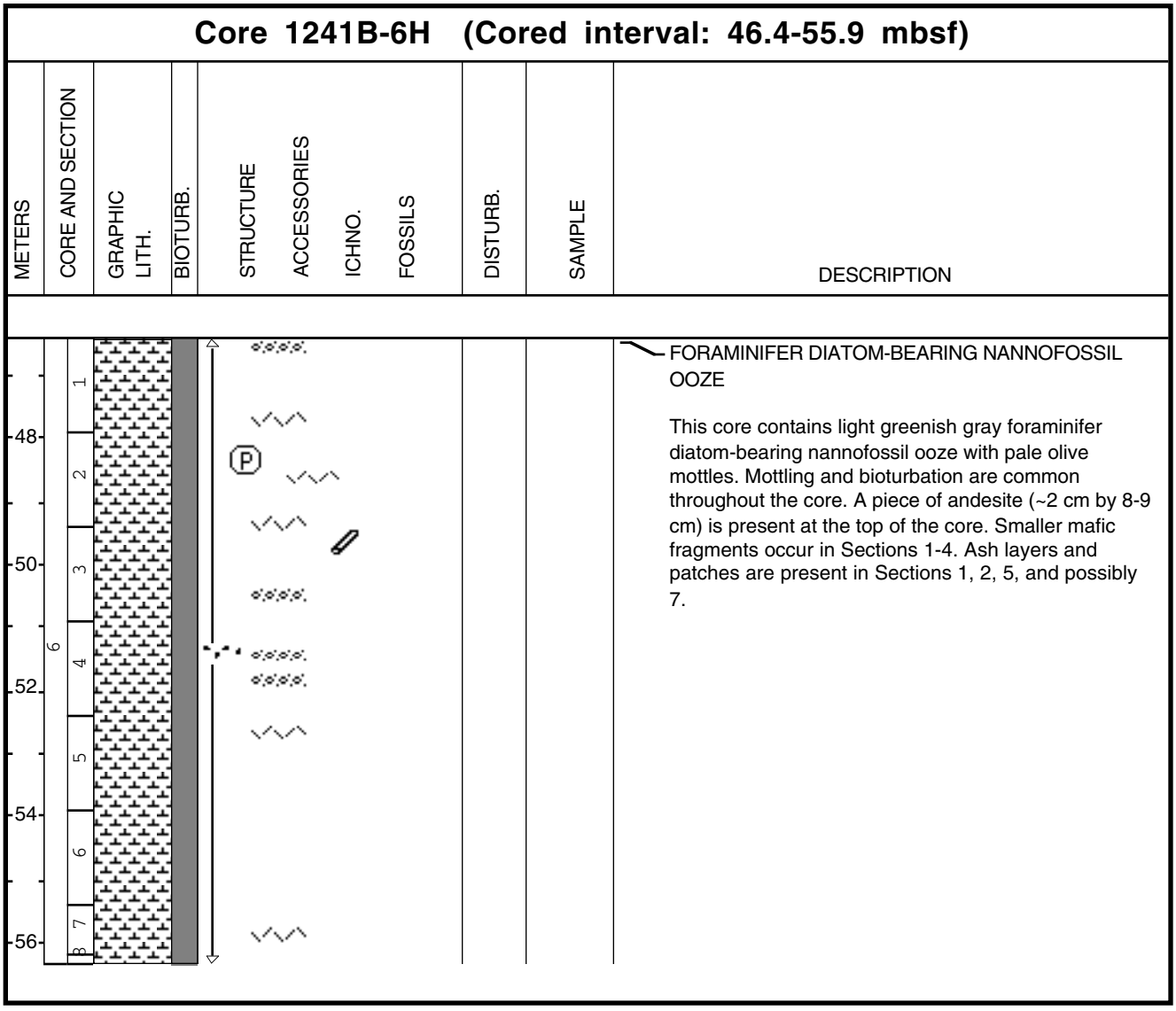



DESCRIPTION

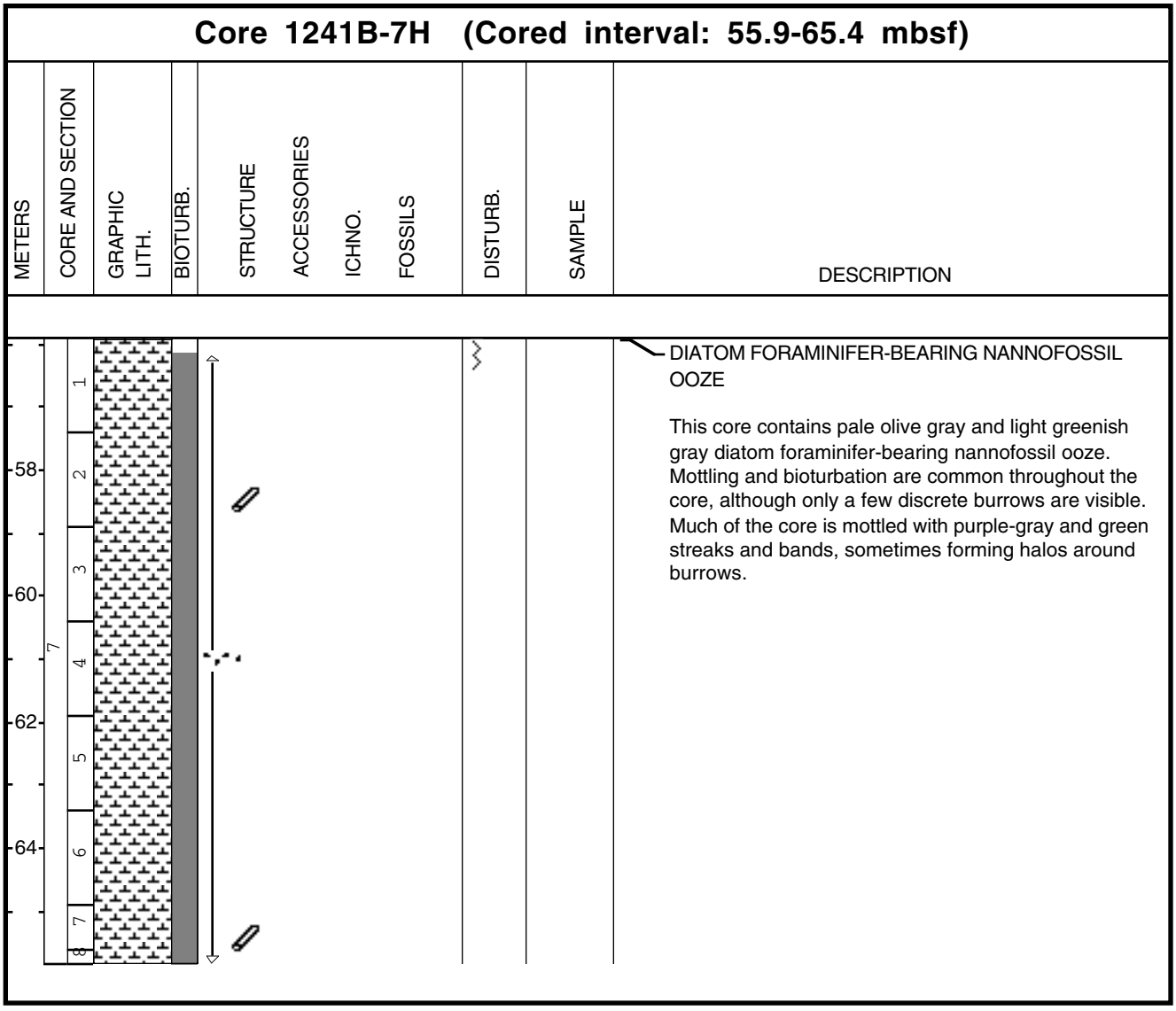
FORAMINIFERA-NANNOFOSSIL OOZE

This core contains light greenish gray and pale olive gray foraminifera nannofossil ooze. Color variations are cyclic and gradational and one olive layer is present at the top of Section 6. Mottling, bioturbation, and zoophycos are common throughout the core. Three lapilli layers are present in Section 3, 36-40 cm and 72-74 cm, and Section 7, 10-14 cm. Ash layers and/or patches occur in Section 4, 5-21 cm, Section 5, 35-42 cm and 68-73 cm, Section 6, 98-101 cm and 112-114 cm, and Section 7, 30-38 cm. Some patches of foraminifer-rich sands, gray spots, green spots, and mottled ashes occur throughout the core.

## Core Photo

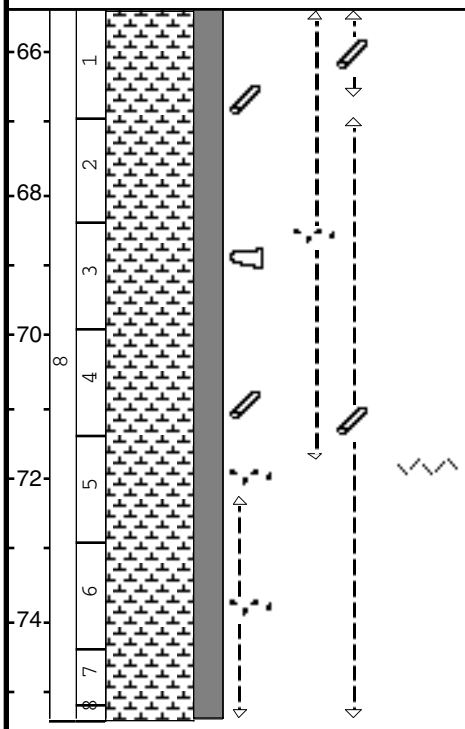

Core 1241B-6H (Cored interval: 46.4-55.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
48
50
52
54
56
6
1
2
3
4
5
6
7
CC
P
FORAMINIFER DIATOM-BEARING NANNOFOSSIL OOZE
This core contains light greenish gray foraminifer diatom-bearing nannofossil ooze with pale olive mottles. Mottling and bioturbation are common throughout the core. A piece of andesite (~2 cm by 8-9 cm) is present at the top of the core. Smaller mafic fragments occur in Sections 1-4. Ash layers and patches are present in Sections 1, 2, 5, and possibly 7.

## Core Photo


Core 1241B-7H (Cored interval: 55.9-65.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
58
60
62
64
7
1
2
3
4
5
6
7
8
DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains pale olive gray and light greenish gray diatom foraminifer-bearing nannofossil ooze. Mottling and bioturbation are common throughout the core, although only a few discrete burrows are visible. Much of the core is mottled with purple-gray and green streaks and bands, sometimes forming halos around burrows.

## Core Photo

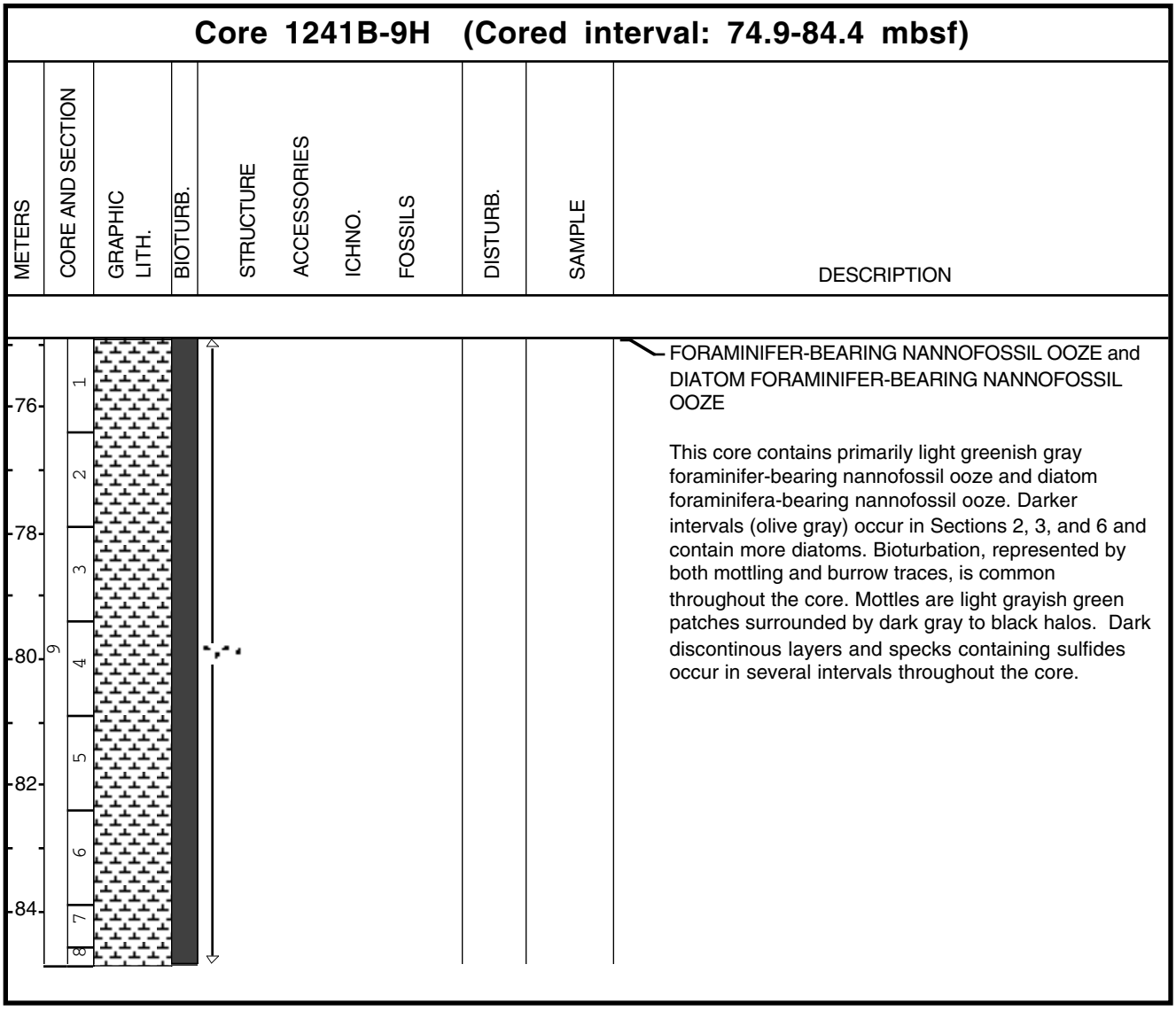
**Core 1241B-8H (Cored interval: 65.4-74.9 mbsf)**



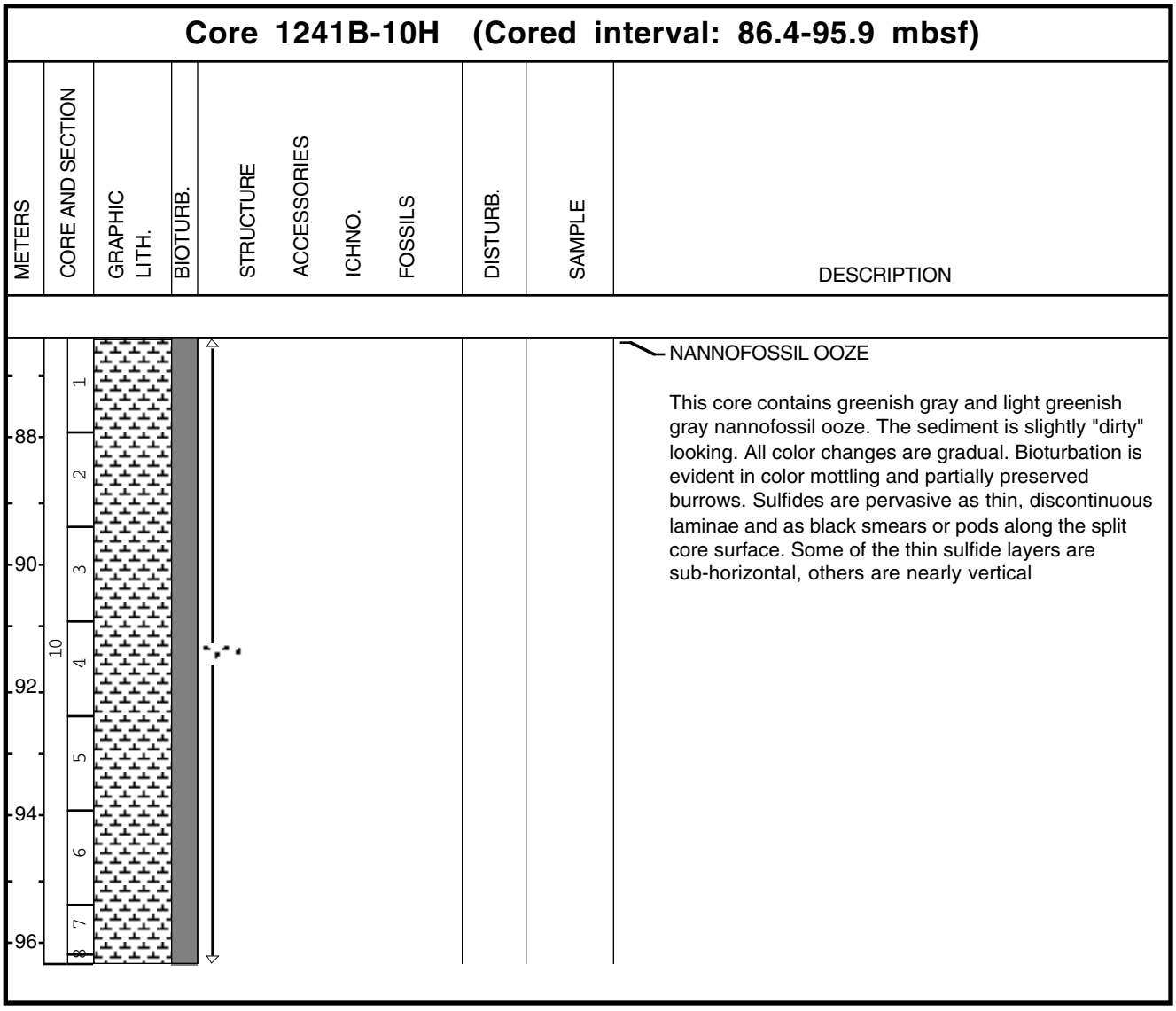

NANNOFOSSIL OOZE and DIATOM-FORAMINIFER-BEARING NANNOFOSSIL OOZE

This core contains light greenish gray and light brown nannofossil ooze and diatom-foraminifer-bearing nannofossil ooze. Moderate bioturbation is evidenced by mottling and burrow fills throughout. There is a vertical burrow in Section 1, 126-136 cm, with a green halo, and a brown vertical burrow in Section 4, 104-127 cm. Trace amounts of sulfides occur on the sediment surface throughout the core. There is a bioturbated medium gray ash layer with a sharp basal contact and a diffuse upper contact in Section 5, 41-43 cm. Ash mottles occur from ~5-10 cm below the layer. There is an ash patch in Section 3, 48-50 cm.

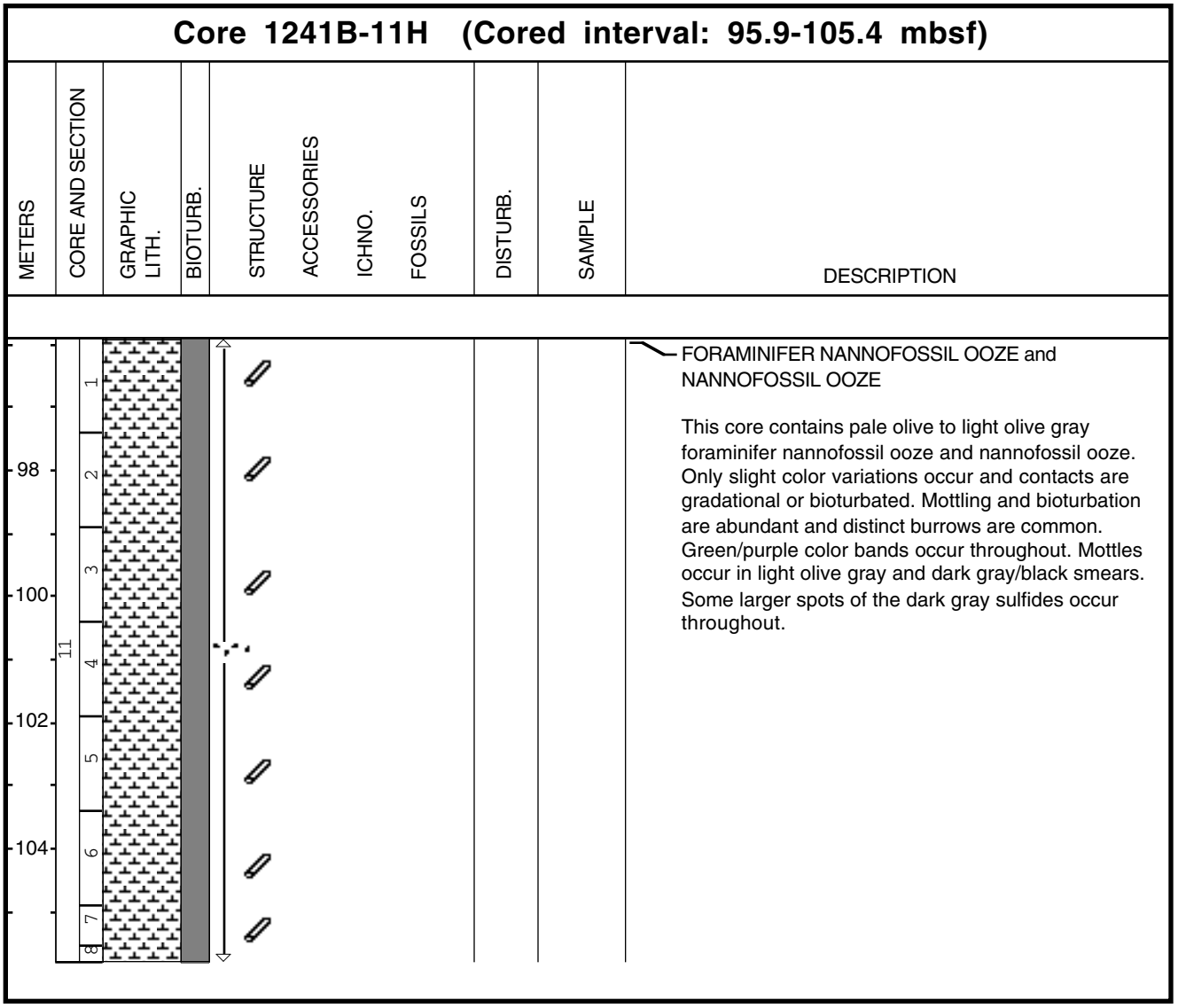
## Core Photo


Core 1241B-9H (Cored interval: 74.9-84.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
76
78
80
82
84
9
1
2
3
4
5
6
7
8
FORAMINIFER-BEARING NANNOFOSSIL OOZE and DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains primarily light greenish gray foraminifer-bearing nannofossil ooze and diatom foraminifera-bearing nannofossil ooze. Darker intervals (olive gray) occur in Sections 2, 3, and 6 and contain more diatoms. Bioturbation, represented by both mottling and burrow traces, is common throughout the core. Mottles are light grayish green patches surrounded by dark gray to black halos. Dark discontinous layers and specks containing sulfides occur in several intervals throughout the core.

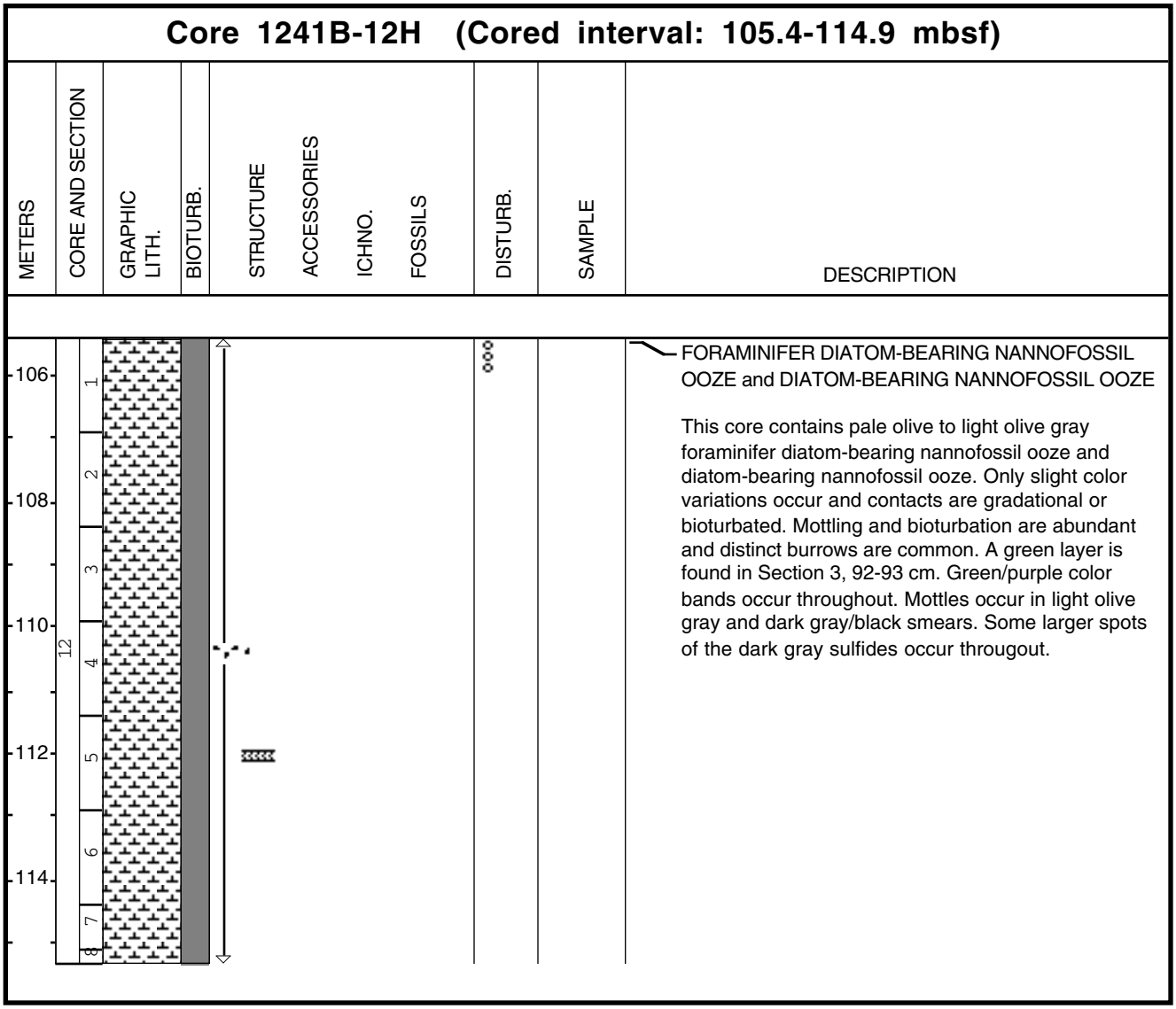
## Core Photo


Core 1241B-10H (Cored interval: 86.4-95.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
88
90
92
94
96
10
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE
This core contains greenish gray and light greenish gray nannofossil ooze. The sediment is slightly "dirty" looking. All color changes are gradual. Bioturbation is evident in color mottling and partially preserved burrows. Sulfides are pervasive as thin, discontinuous laminae and as black smears or pods along the split core surface. Some of the thin sulfide layers are sub-horizontal, others are nearly vertical

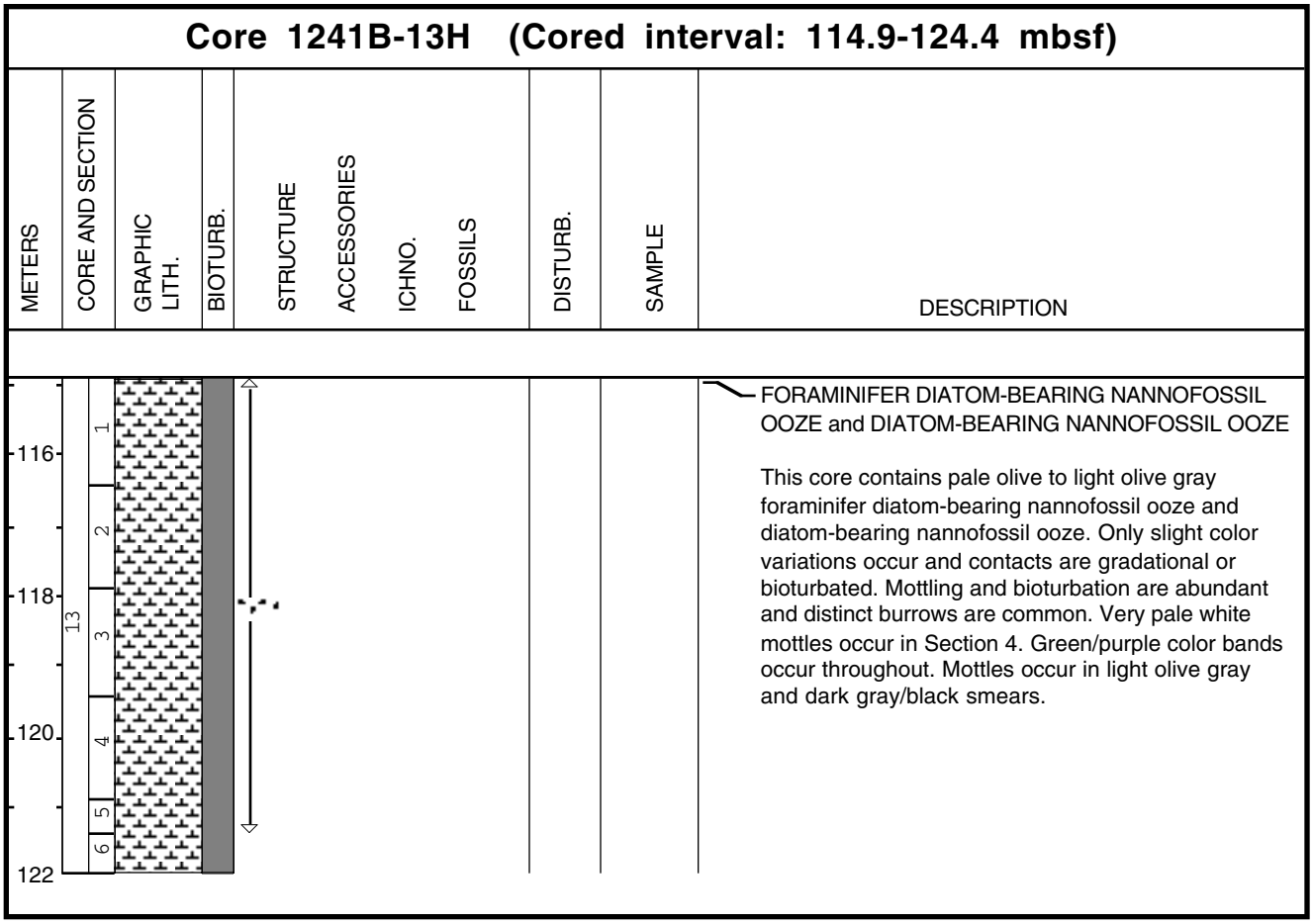
## Core Photo


Core 1241B-11H (Cored interval: 95.9-105.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
98
100
102
104
11
1
2
3
4
5
6
7
8
FORAMINIFER NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains pale olive to light olive gray foraminifer nannofossil ooze and nannofossil ooze. Only slight color variations occur and contacts are gradational or bioturbated. Mottling and bioturbation are abundant and distinct burrows are common. Green/purple color bands occur throughout. Mottles occur in light olive gray and dark gray/black smears. Some larger spots of the dark gray sulfides occur throughout.

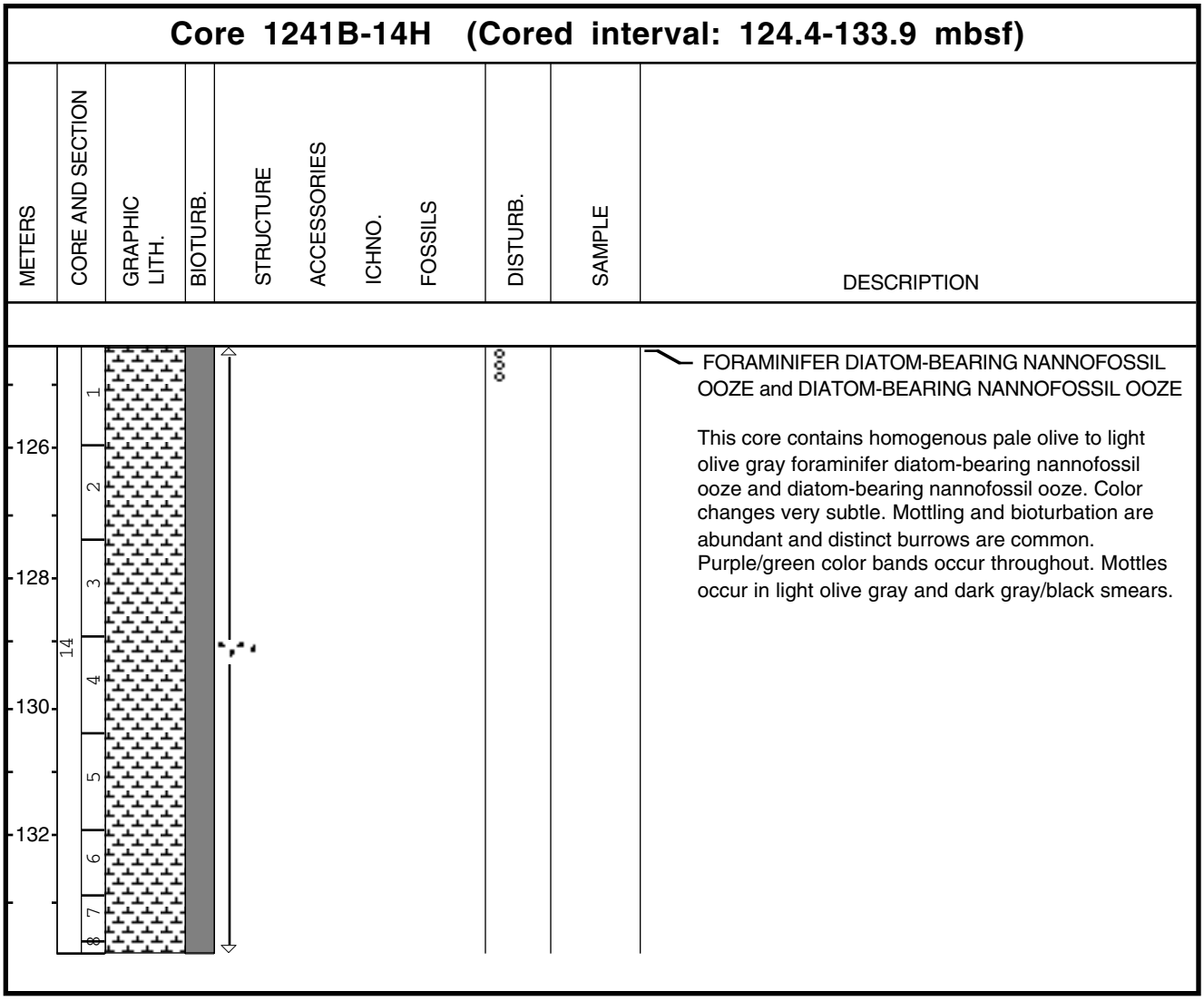
## Core Photo


Core 1241B-12H (Cored interval: 105.4-114.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
106
108
110
112
114
12
1
2
3
4
5
6
7
8
FORAMINIFER DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains pale olive to light olive gray foraminifer diatom-bearing nannofossil ooze and diatom-bearing nannofossil ooze. Only slight color variations occur and contacts are gradational or bioturbated. Mottling and bioturbation are abundant and distinct burrows are common. A green layer is found in Section 3, 92-93 cm. Green/purple color bands occur throughout. Mottles occur in light olive gray and dark gray/black smears. Some larger spots of the dark gray sulfides occur througout.

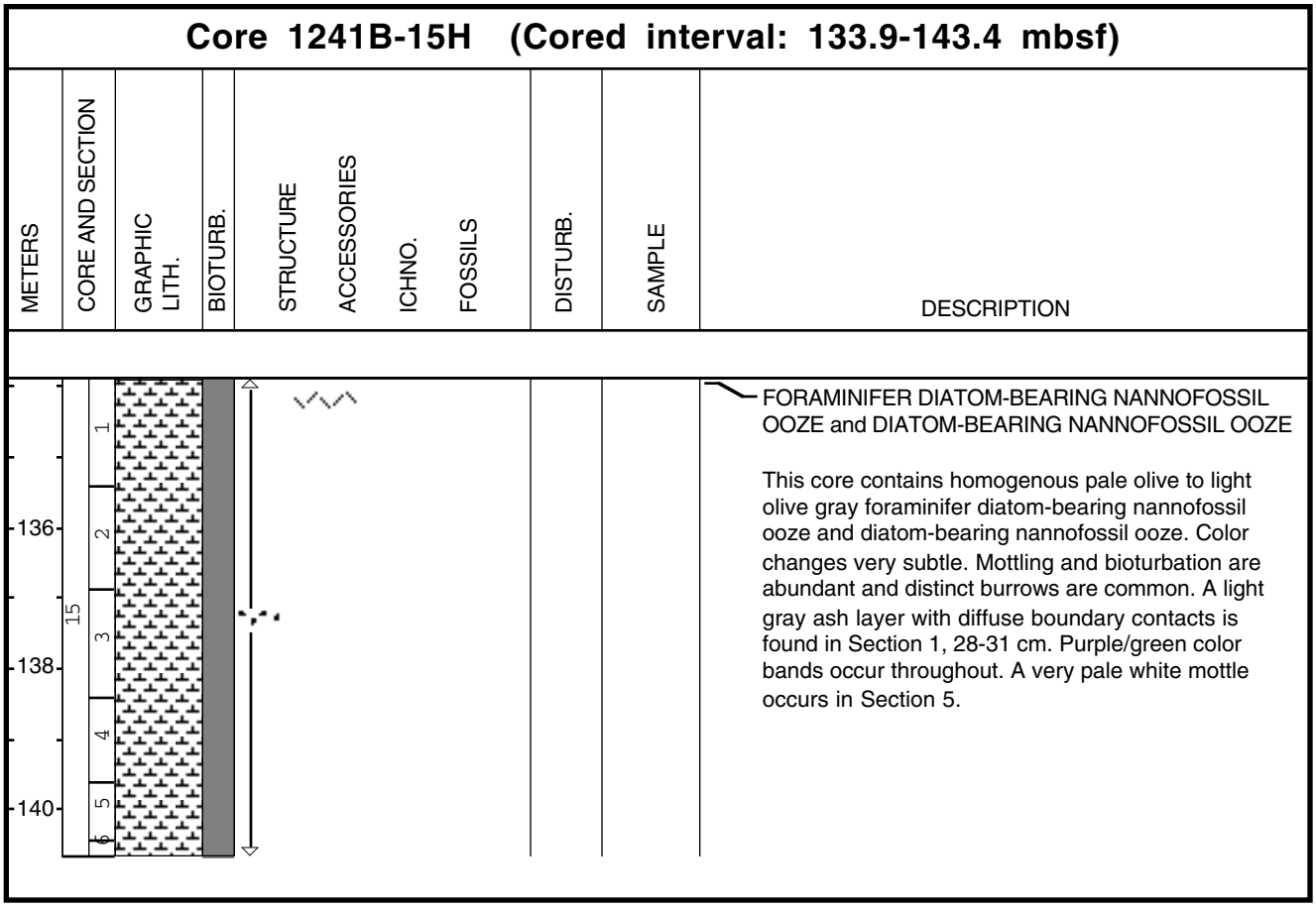
## Core Photo


Core 1241B-13H (Cored interval: 114.9-124.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
116
118
120
122
13
1
2
3
4
5
6
FORAMINIFER DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains pale olive to light olive gray foraminifer diatom-bearing nannofossil ooze and diatom-bearing nannofossil ooze. Only slight color variations occur and contacts are gradational or bioturbated. Mottling and bioturbation are abundant and distinct burrows are common. Very pale white mottles occur in Section 4. Green/purple color bands occur throughout. Mottles occur in light olive gray and dark gray/black smears.

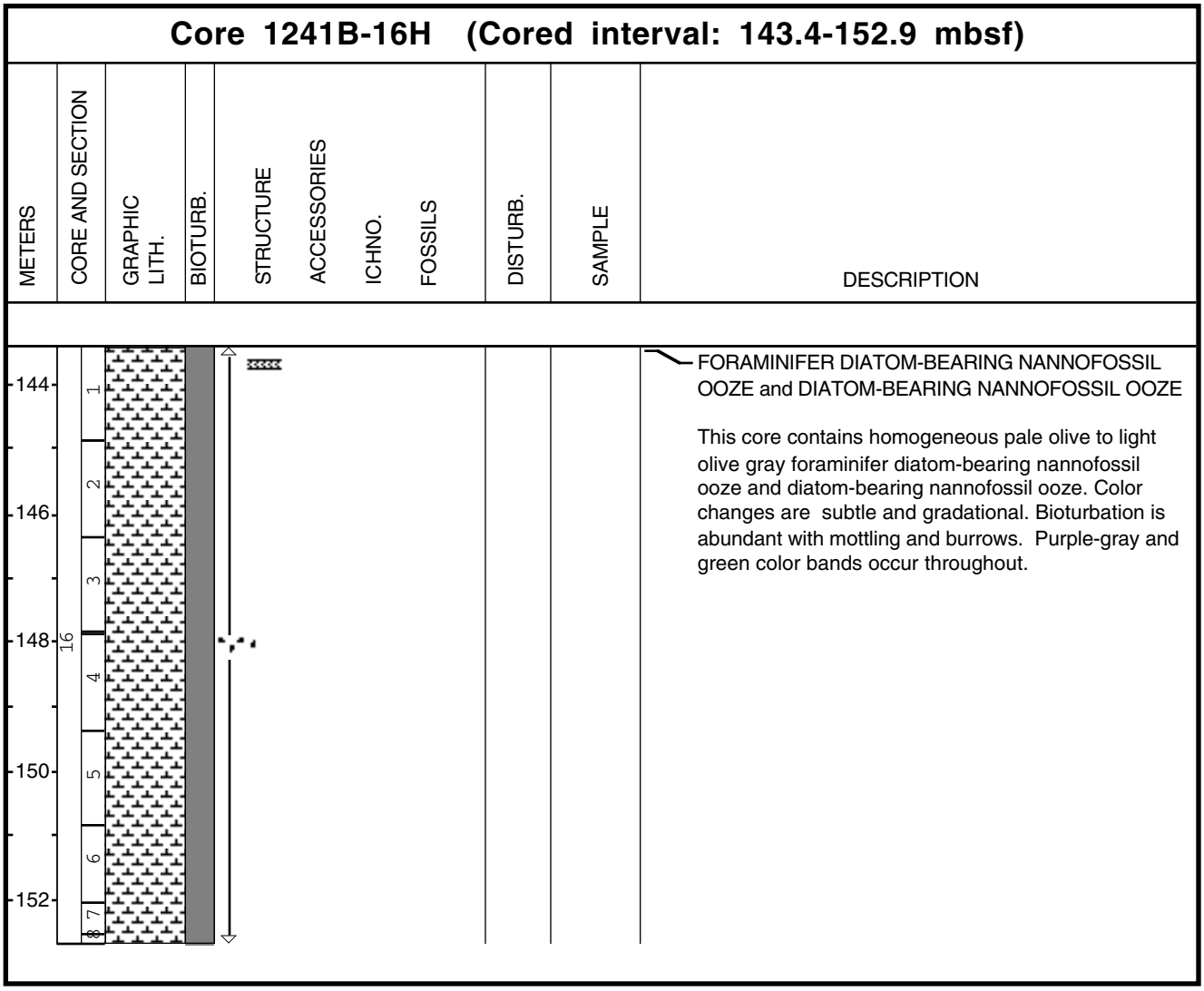
## Core Photo


Core 1241B-14H (Cored interval: 124.4-133.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
126
128
130
132
14
1
2
3
4
5
6
7
FORAMINIFER DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains homogenous pale olive to light olive gray foraminifer diatom-bearing nannofossil ooze and diatom-bearing nannofossil ooze. Color changes very subtle. Mottling and bioturbation are abundant and distinct burrows are common. Purple/green color bands occur throughout. Mottles occur in light olive gray and dark gray/black smears.

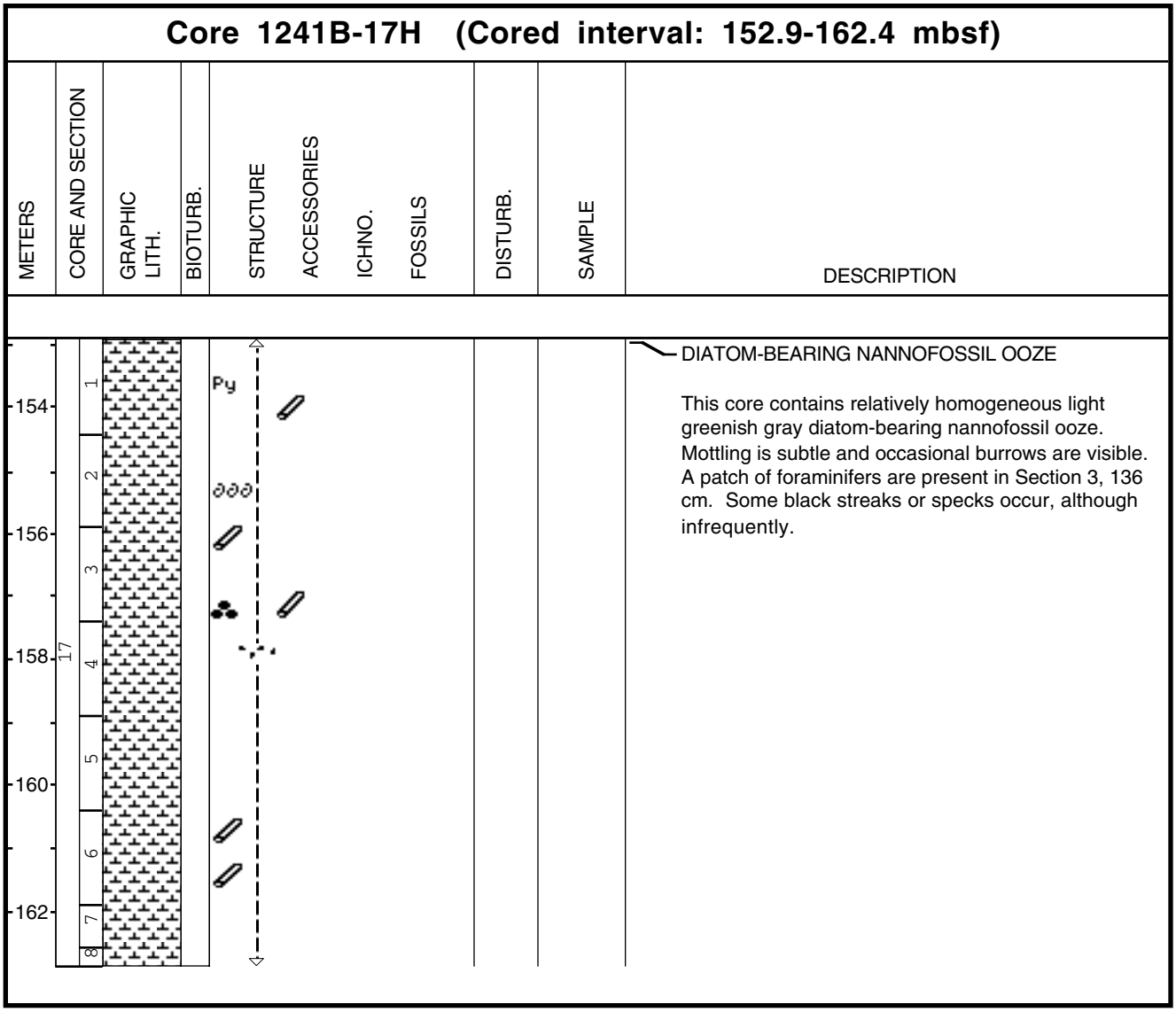
## Core Photo


Core 1241B-15H (Cored interval: 133.9-143.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
136
138
140
15
1
2
3
4
5
6
FORAMINIFER DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains homogenous pale olive to light olive gray foraminifer diatom-bearing nannofossil ooze and diatom-bearing nannofossil ooze. Color changes very subtle. Mottling and bioturbation are abundant and distinct burrows are common. A light gray ash layer with diffuse boundary contacts is found in Section 1, 28-31 cm. Purple/green color bands occur throughout. A very pale white mottle occurs in Section 5.

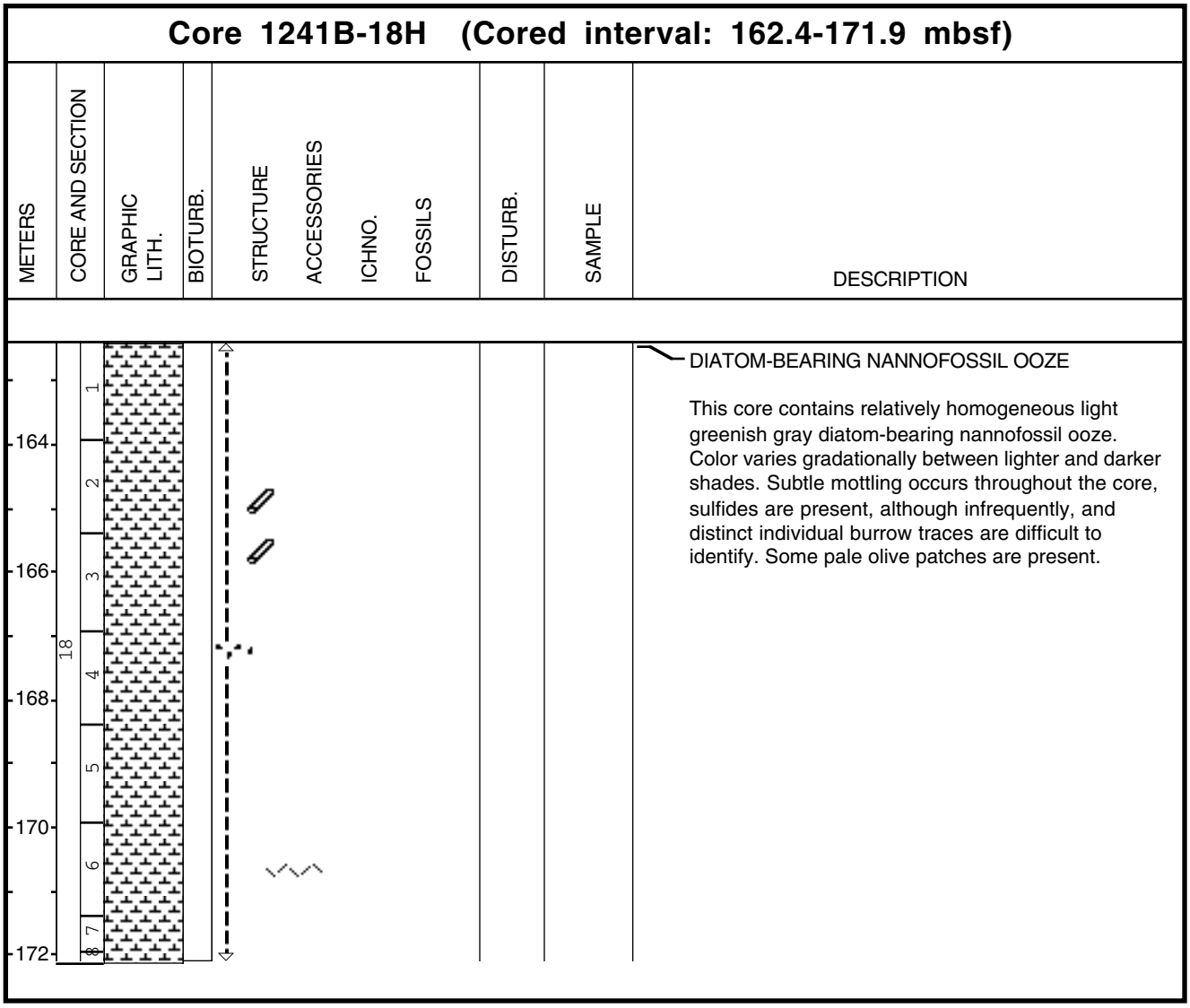
## Core Photo


Core 1241B-16H (Cored interval: 143.4-152.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
144
146
148
150
152
16
1
2
3
4
5
6
7
8
FORAMINIFER DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains homogeneous pale olive to light olive gray foraminifer diatom-bearing nannofossil ooze and diatom-bearing nannofossil ooze. Color changes are subtle and gradational. Bioturbation is abundant with mottling and burrows. Purple-gray and green color bands occur throughout.

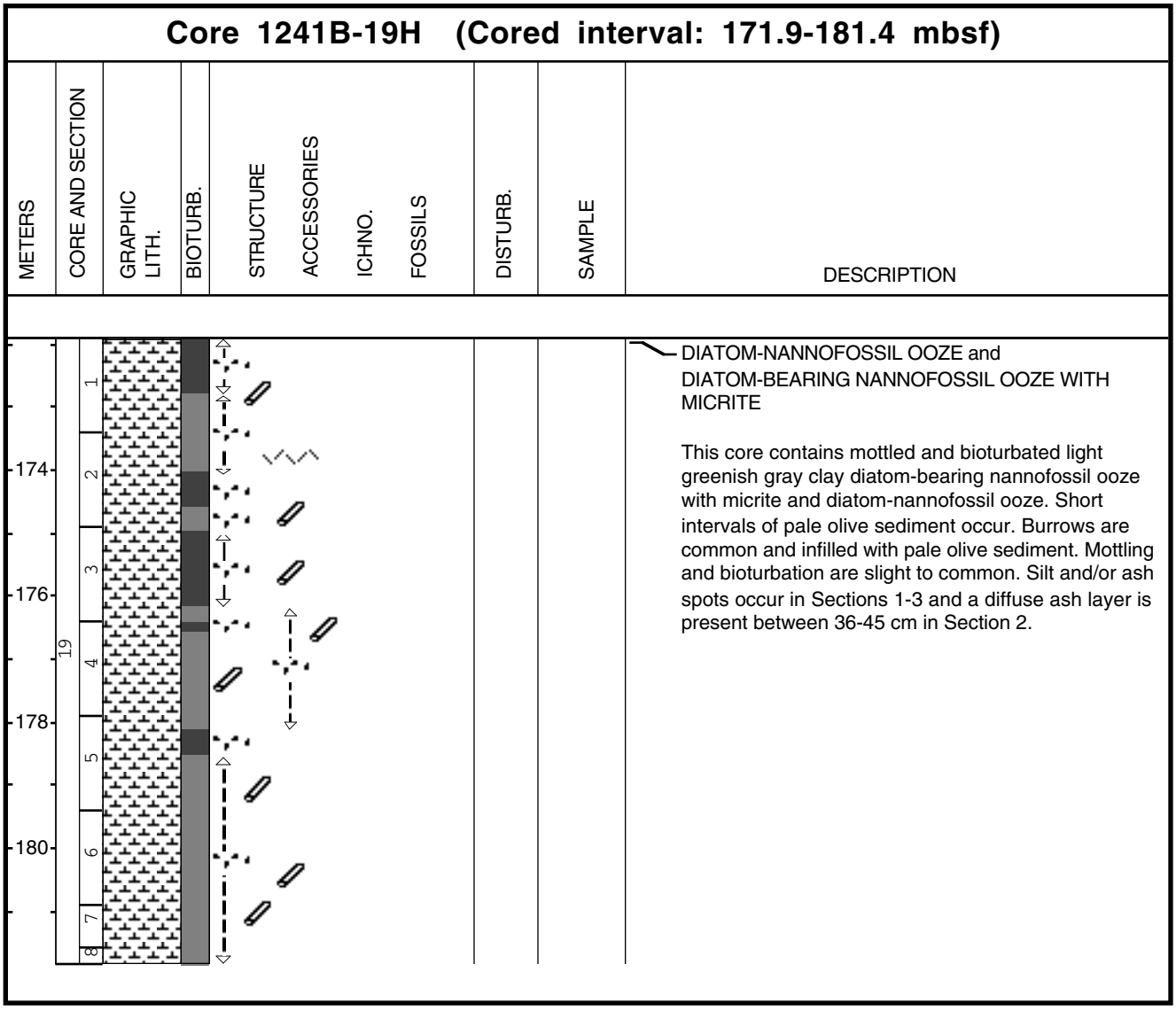
## Core Photo


Core 1241B-17H (Cored interval: 152.9-162.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
154
156
158
160
162
17
1
2
3
4
5
6
7
8
Py
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains relatively homogeneous light greenish gray diatom-bearing nannofossil ooze. Mottling is subtle and occasional burrows are visible. A patch of foraminifers are present in Section 3, 136 cm. Some black streaks or specks occur, although infrequently.

## Core Photo

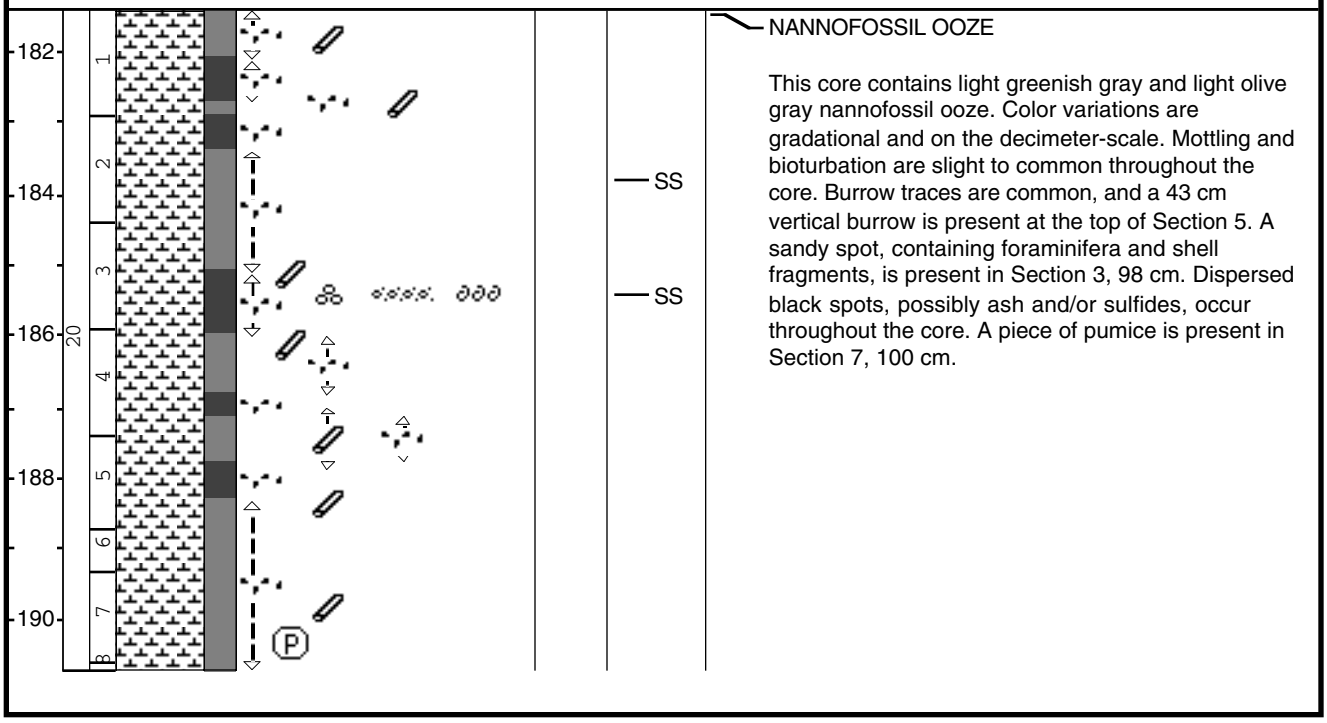

Core 1241B-18H (Cored interval: 162.4-171.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
164
166
168
170
172
18
1
2
3
4
5
6
7
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains relatively homogeneous light greenish gray diatom-bearing nannofossil ooze. Color varies gradationally between lighter and darker shades. Subtle mottling occurs throughout the core, sulfides are present, although infrequently, and distinct individual burrow traces are difficult to identify. Some pale olive patches are present.

## Core Photo

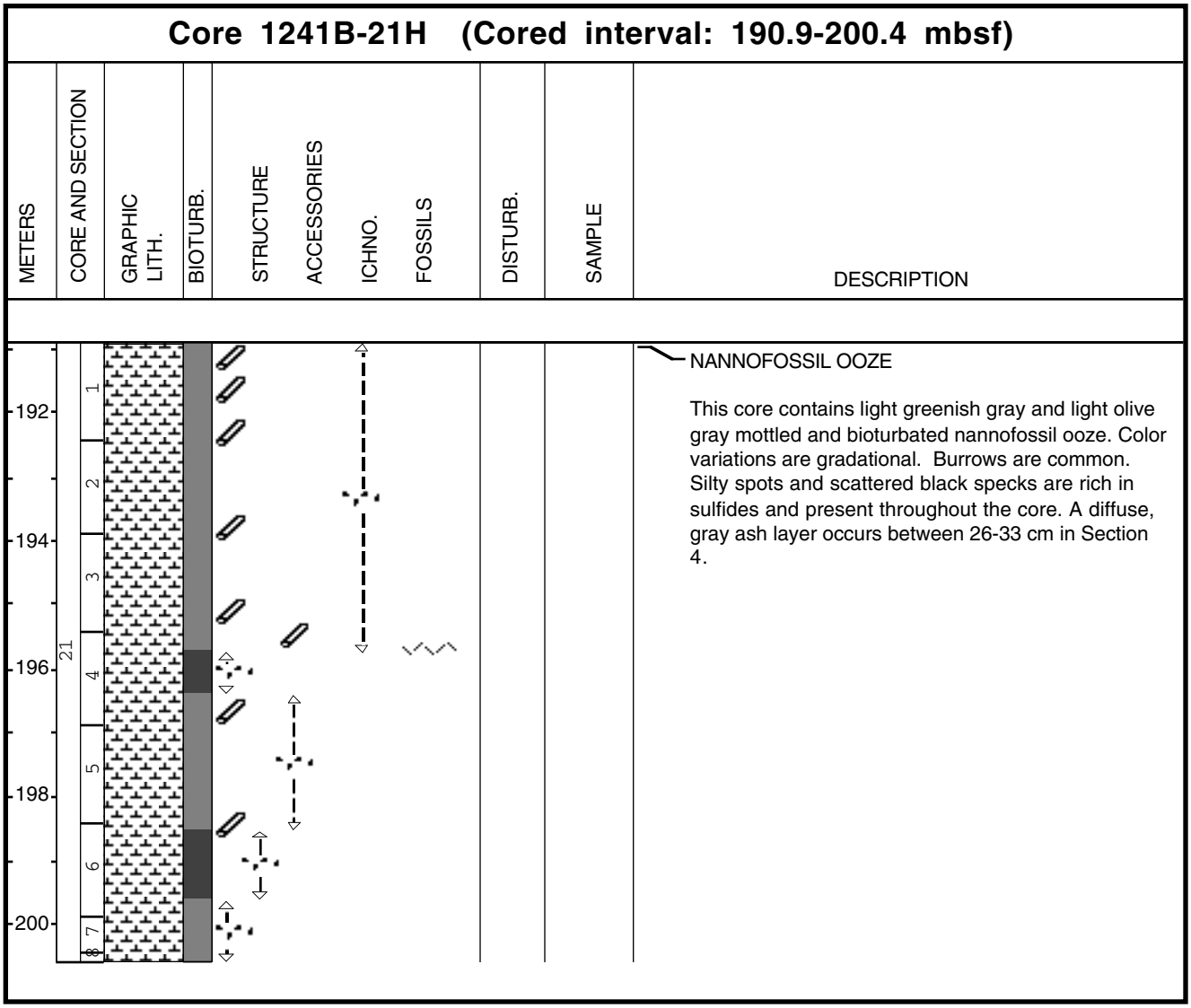

Core 1241B-19H (Cored interval: 171.9-181.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
174
176
178
180
19
1
2
3
4
5
6
7
8
DIATOM-NANNOFOSSIL OOZE and
DIATOM-BEARING NANNOFOSSIL OOZE WITH
MICRITE
This core contains mottled and bioturbated light greenish gray clay diatom-bearing nannofossil ooze with micrite and diatom-nannofossil ooze. Short intervals of pale olive sediment occur. Burrows are common and infilled with pale olive sediment. Mottling and bioturbation are slight to common. Silt and/or ash spots occur in Sections 1-3 and a diffuse ash layer is present between 36-45 cm in Section 2.

## Core Photo

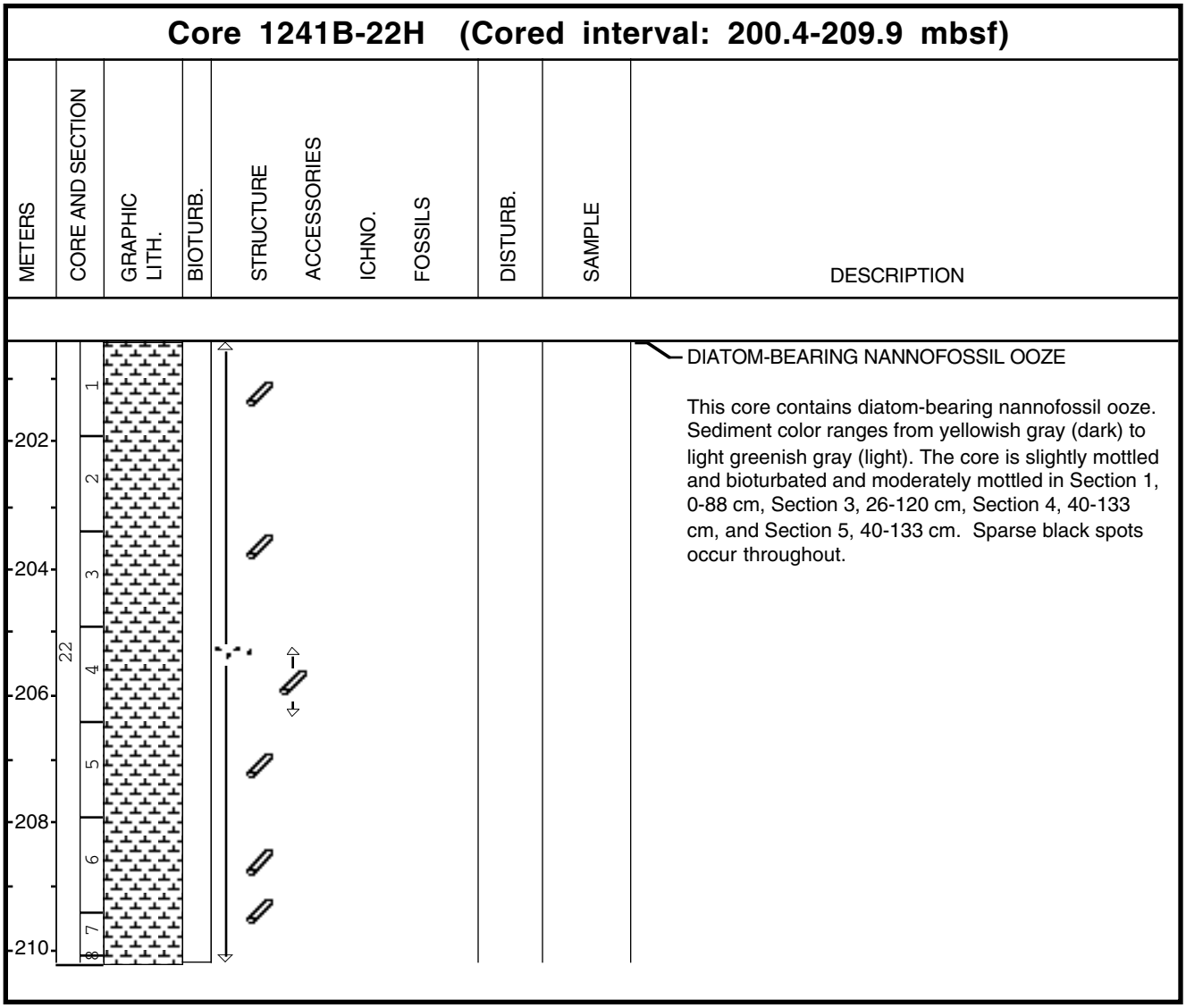
**Core 1241B-20H (Cored interval: 181.4-190.9 mbsf)**



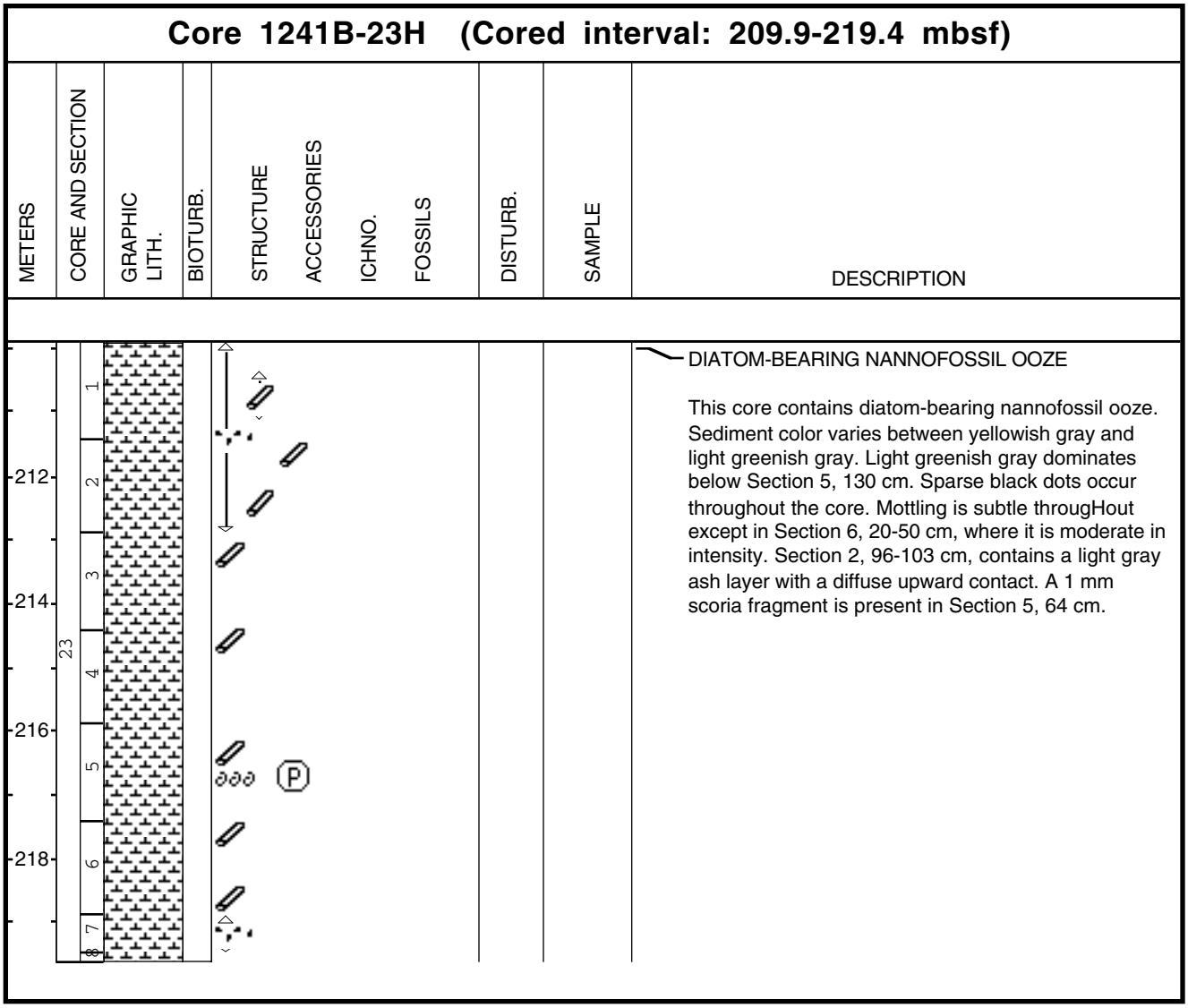
## Core Photo


Core 1241B-21H (Cored interval: 190.9-200.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
192
194
196
198
200
21
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE
This core contains light greenish gray and light olive gray mottled and bioturbated nannofossil ooze. Color variations are gradational. Burrows are common. Silty spots and scattered black specks are rich in sulfides and present throughout the core. A diffuse, gray ash layer occurs between 26-33 cm in Section 4.

## Core Photo

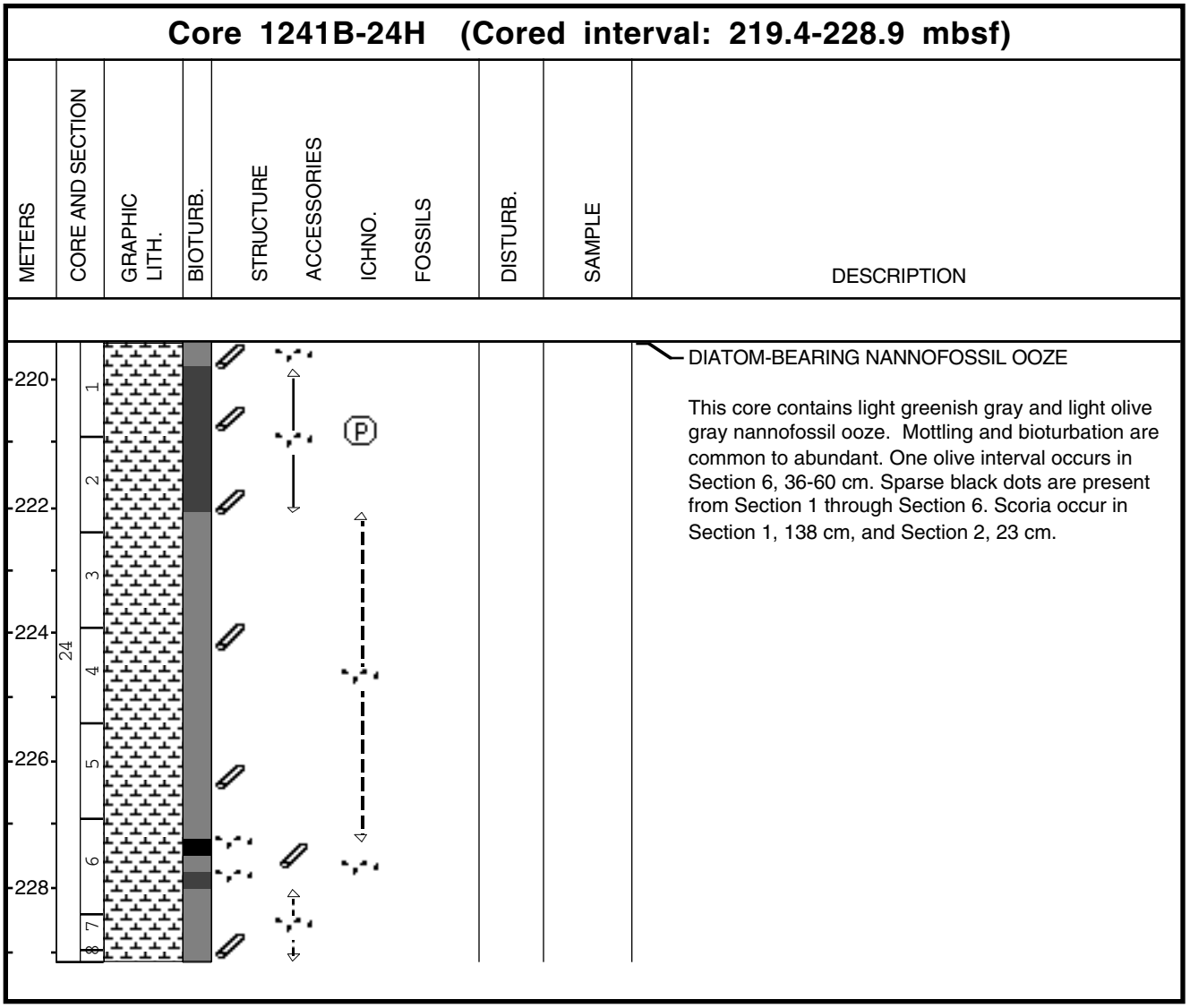

Core 1241B-22H (Cored interval: 200.4-209.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
202
204
206
208
210
22
1
2
3
4
5
6
7
8
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains diatom-bearing nannofossil ooze. Sediment color ranges from yellowish gray (dark) to light greenish gray (light). The core is slightly mottled and bioturbated and moderately mottled in Section 1, 0-88 cm, Section 3, 26-120 cm, Section 4, 40-133 cm, and Section 5, 40-133 cm. Sparse black spots occur throughout.

## Core Photo


Core 1241B-23H (Cored interval: 209.9-219.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
212
214
216
218
23
1
2
3
4
5
6
7
P
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains diatom-bearing nannofossil ooze. Sediment color varies between yellowish gray and light greenish gray. Light greenish gray dominates below Section 5, 130 cm. Sparse black dots occur throughout the core. Mottling is subtle throughout except in Section 6, 20-50 cm, where it is moderate in intensity. Section 2, 96-103 cm, contains a light gray ash layer with a diffuse upward contact. A 1 mm scoria fragment is present in Section 5, 64 cm.

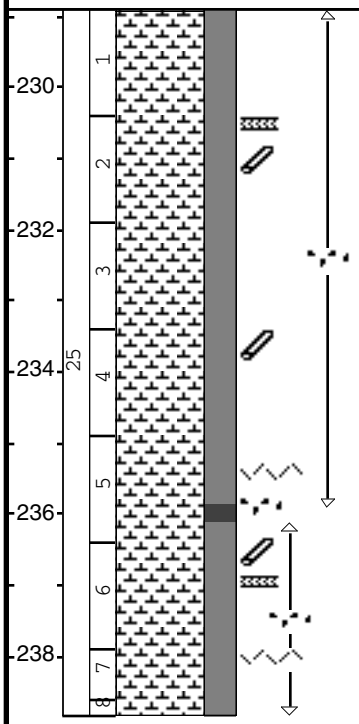
## Core Photo

**Core 1241B-24H (Cored interval: 219.4-228.9 mbsf)**



## Core Photo

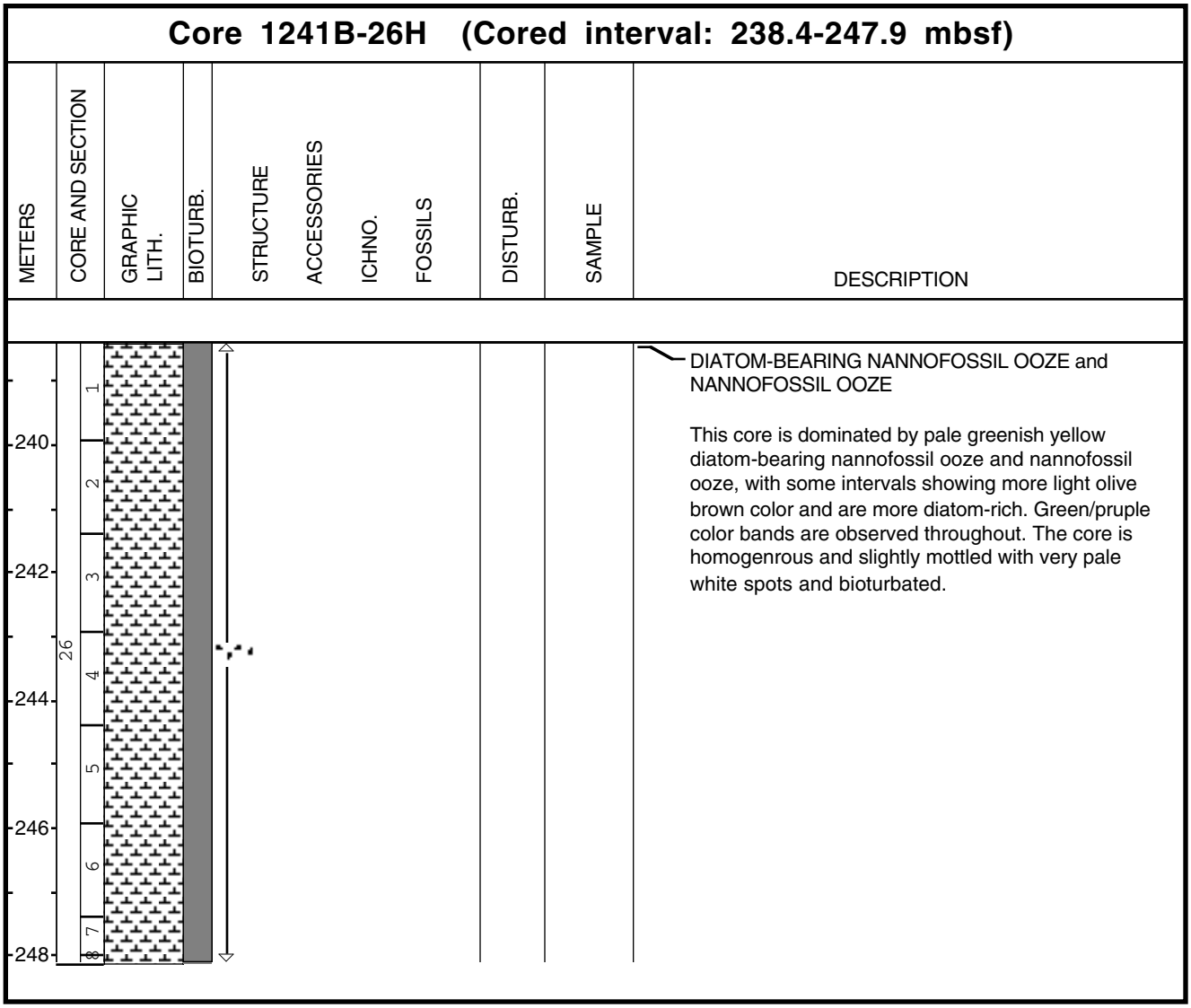
**Core 1241B-25H (Cored interval: 228.9-238.4 mbsf)**



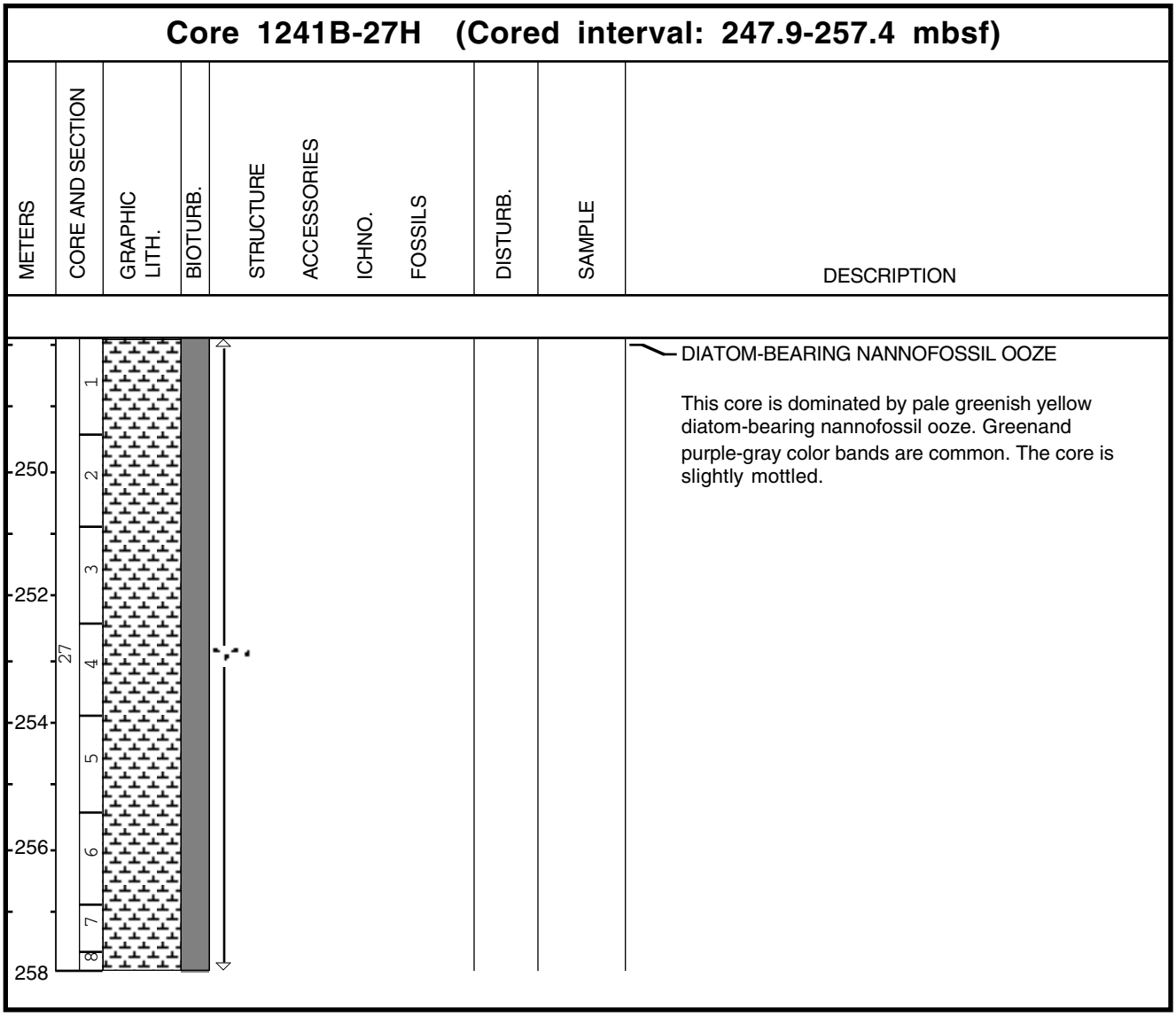

NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE

This core contains light greenish gray nannofossil ooze and diatom-bearing nannofossil ooze with pale olive gray mottles. Mottling and bioturbation are common throughout the core, and intense in Section 5, 100-120 cm. Some purple-gray mottles occur in Section 3. Zoophycos are present in Sections 2 and 6 and two large vertical burrows with purple-gray halos are present in Section 4 (20-27 cm and 37-53 cm). Some white areas, possibly rich in micrite, occur in Sections 2-4, and 6. A gray ash layer occurs in Section 5, 50-56 cm, and a diffuse black ash occurs in Section 7.

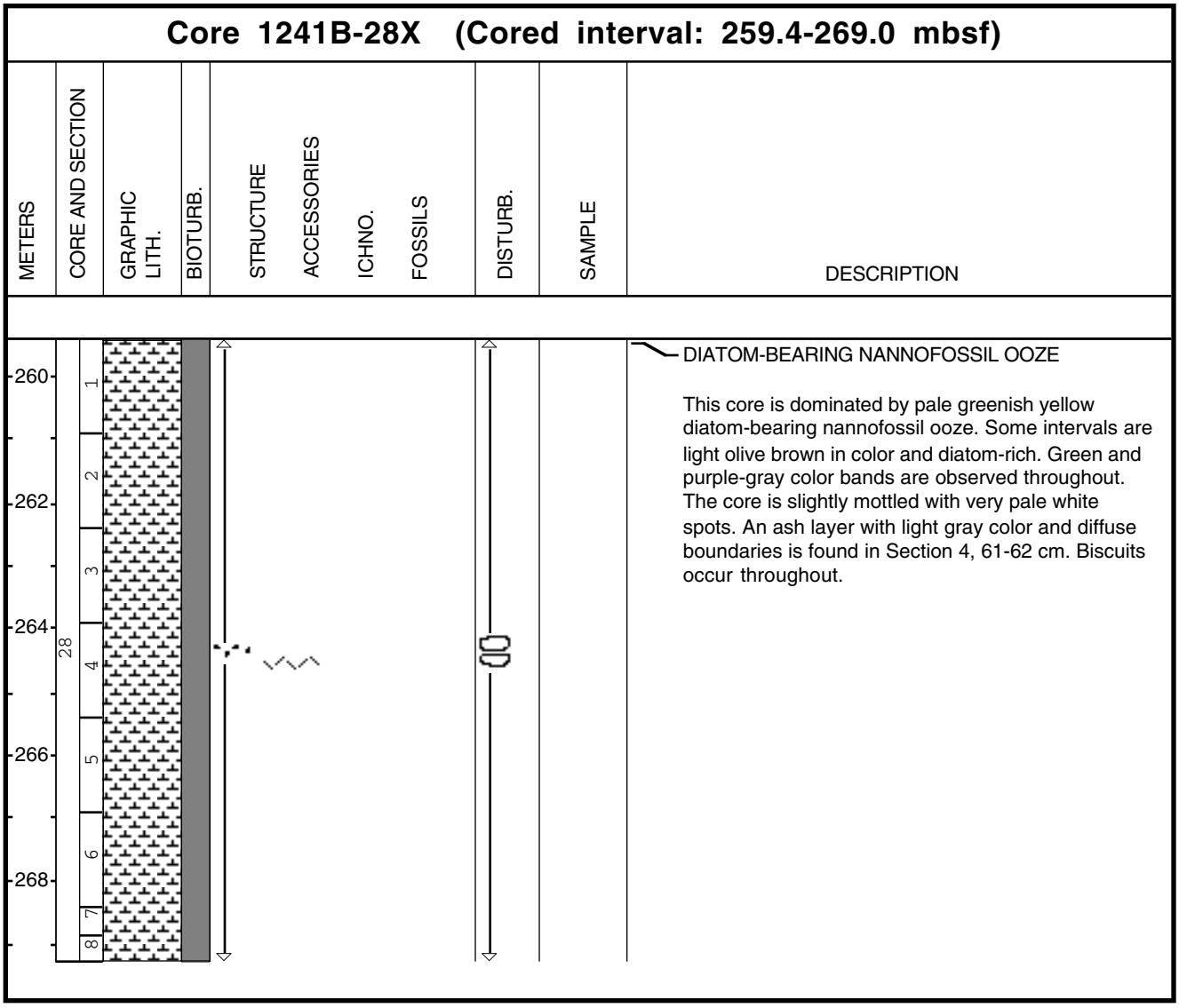
## Core Photo


Core 1241B-26H (Cored interval: 238.4-247.9 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
240
242
244
246
248
26
1
2
3
4
5
6
7
DIATOM-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core is dominated by pale greenish yellow diatom-bearing nannofossil ooze and nannofossil ooze, with some intervals showing more light olive brown color and are more diatom-rich. Green/pruple color bands are observed throughout. The core is homogenrous and slightly mottled with very pale white spots and bioturbated.

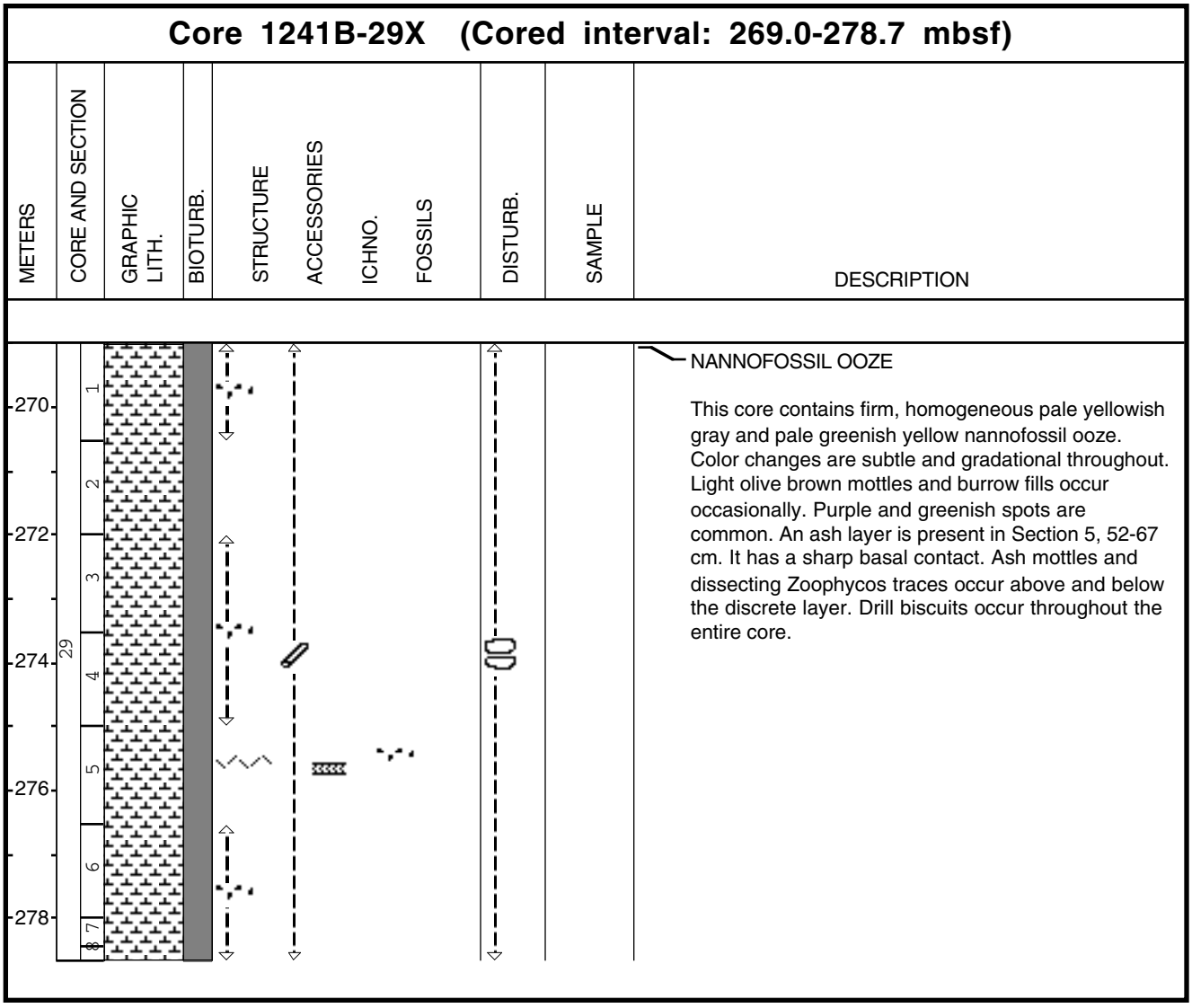
## Core Photo


Core 1241B-27H (Cored interval: 247.9-257.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
250
252
254
256
258
27
1
2
3
4
5
6
7
8
DIATOM-BEARING NANNOFOSSIL OOZE
This core is dominated by pale greenish yellow diatom-bearing nannofossil ooze. Greenand purple-gray color bands are common. The core is slightly mottled.

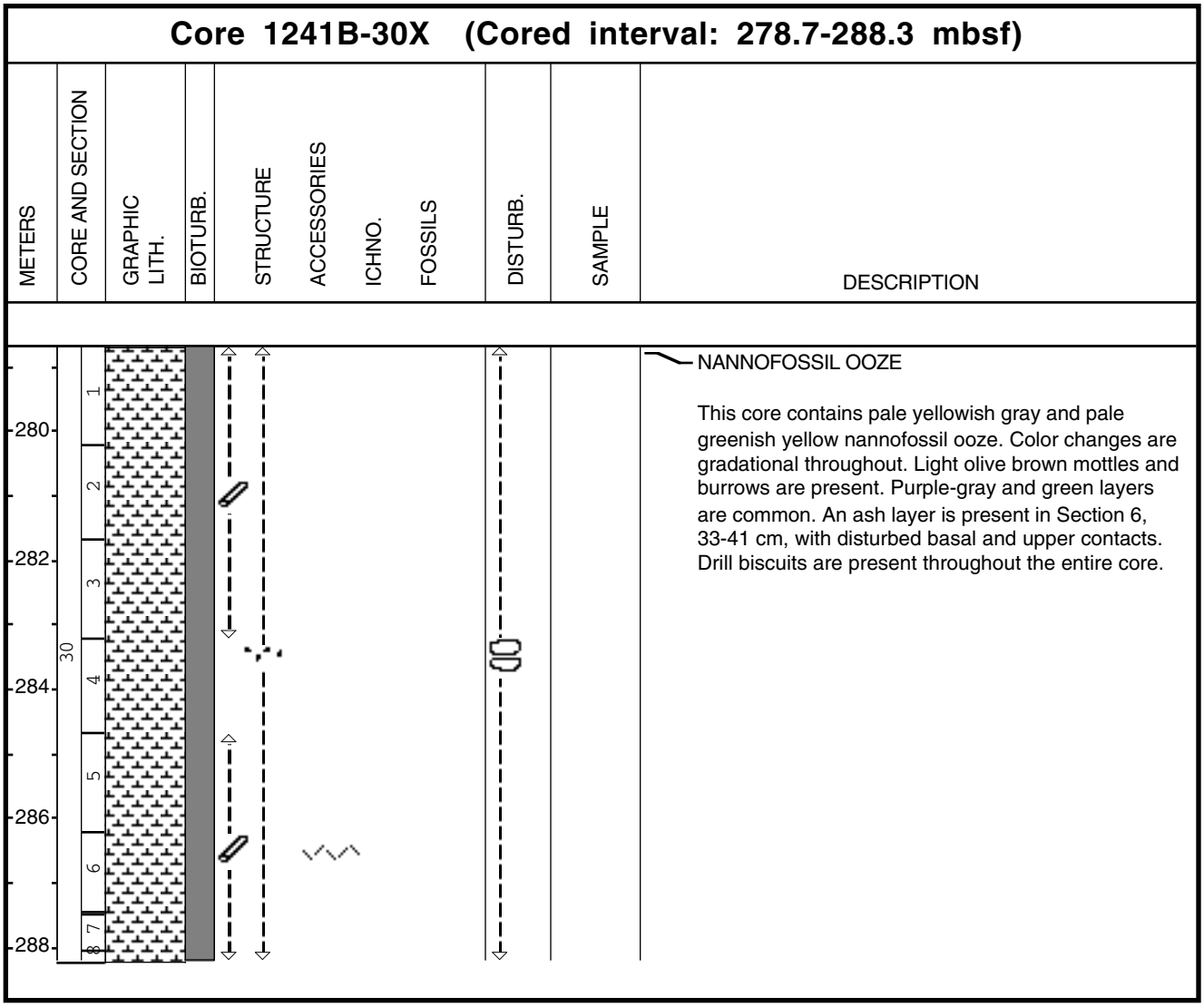
## Core Photo


Core 1241B-28X (Cored interval: 259.4-269.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
260
262
264
266
268
28
1
2
3
4
5
6
7
8
DIATOM-BEARING NANNOFOSSIL OOZE
This core is dominated by pale greenish yellow diatom-bearing nannofossil ooze. Some intervals are light olive brown in color and diatom-rich. Green and purple-gray color bands are observed throughout. The core is slightly mottled with very pale white spots. An ash layer with light gray color and diffuse boundaries is found in Section 4, 61-62 cm. Biscuits occur throughout.

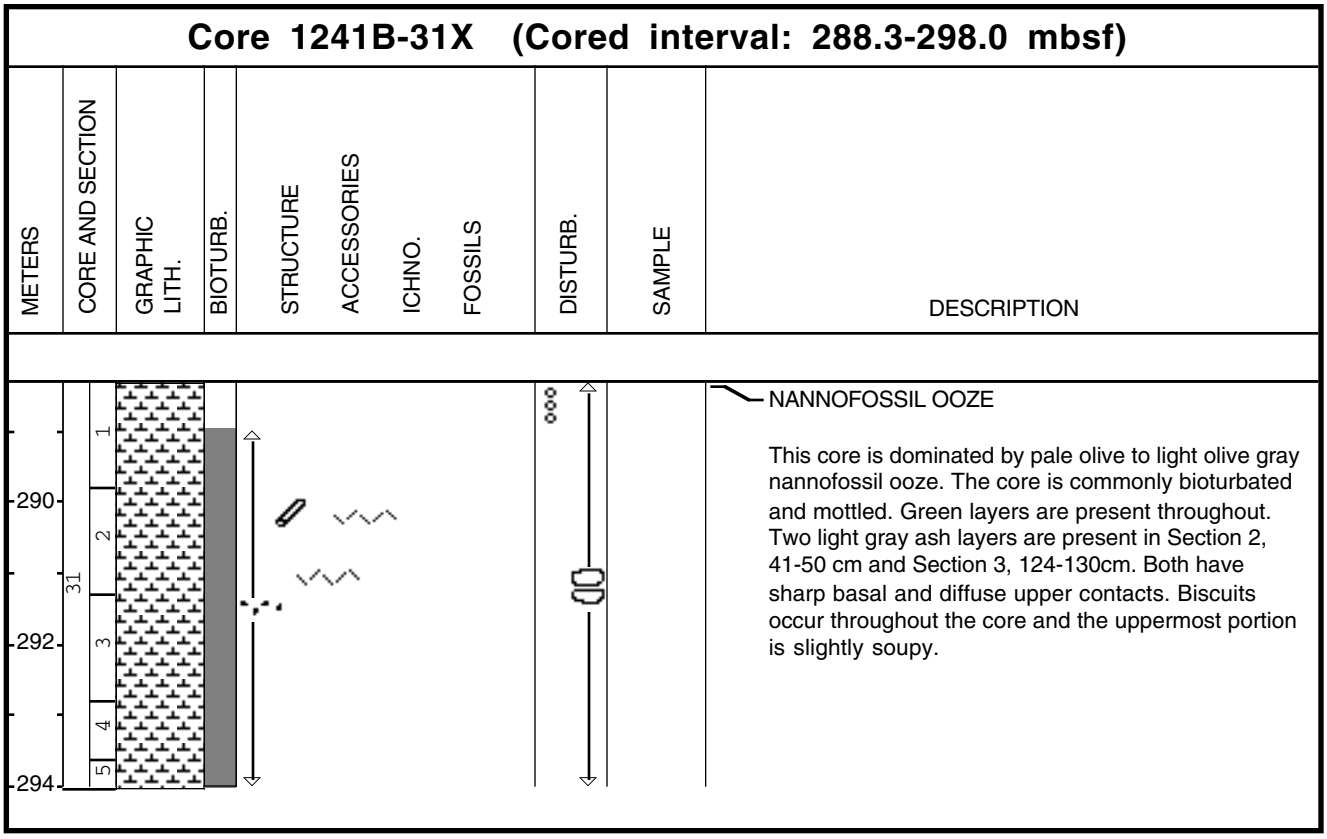
## Core Photo


Core 1241B-29X (Cored interval: 269.0-278.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
270
272
274
276
278
29
1
2
3
4
5
6
7
NANNOFOSSIL OOZE
This core contains firm, homogeneous pale yellowish gray and pale greenish yellow nannofossil ooze. Color changes are subtle and gradational throughout. Light olive brown mottles and burrow fills occur occasionally. Purple and greenish spots are common. An ash layer is present in Section 5, 52-67 cm. It has a sharp basal contact. Ash mottles and dissecting Zoophycos traces occur above and below the discrete layer. Drill biscuits occur throughout the entire core.

## Core Photo

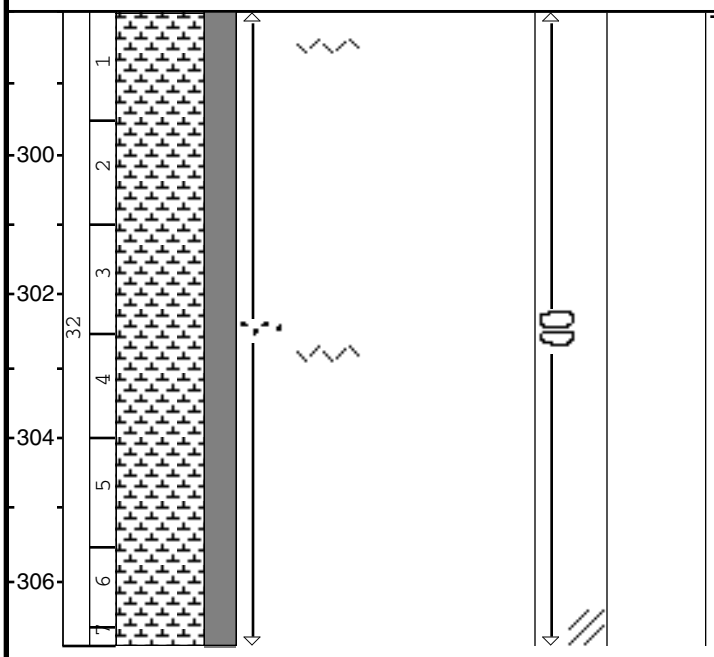

Core 1241B-30X (Cored interval: 278.7-288.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
280
282
284
286
288
30
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE
This core contains pale yellowish gray and pale greenish yellow nannofossil ooze. Color changes are gradational throughout. Light olive brown mottles and burrows are present. Purple-gray and green layers are common. An ash layer is present in Section 6, 33-41 cm, with disturbed basal and upper contacts. Drill biscuits are present throughout the entire core.

## Core Photo


Core 1241B-31X (Cored interval: 288.3-298.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
290
292
294
31
1
2
3
4
5
NANNOFOSSIL OOZE
This core is dominated by pale olive to light olive gray nannofossil ooze. The core is commonly bioturbated and mottled. Green layers are present throughout. Two light gray ash layers are present in Section 2, 41-50 cm and Section 3, 124-130cm. Both have sharp basal and diffuse upper contacts. Biscuits occur throughout the core and the uppermost portion is slightly soupy.

## Core Photo

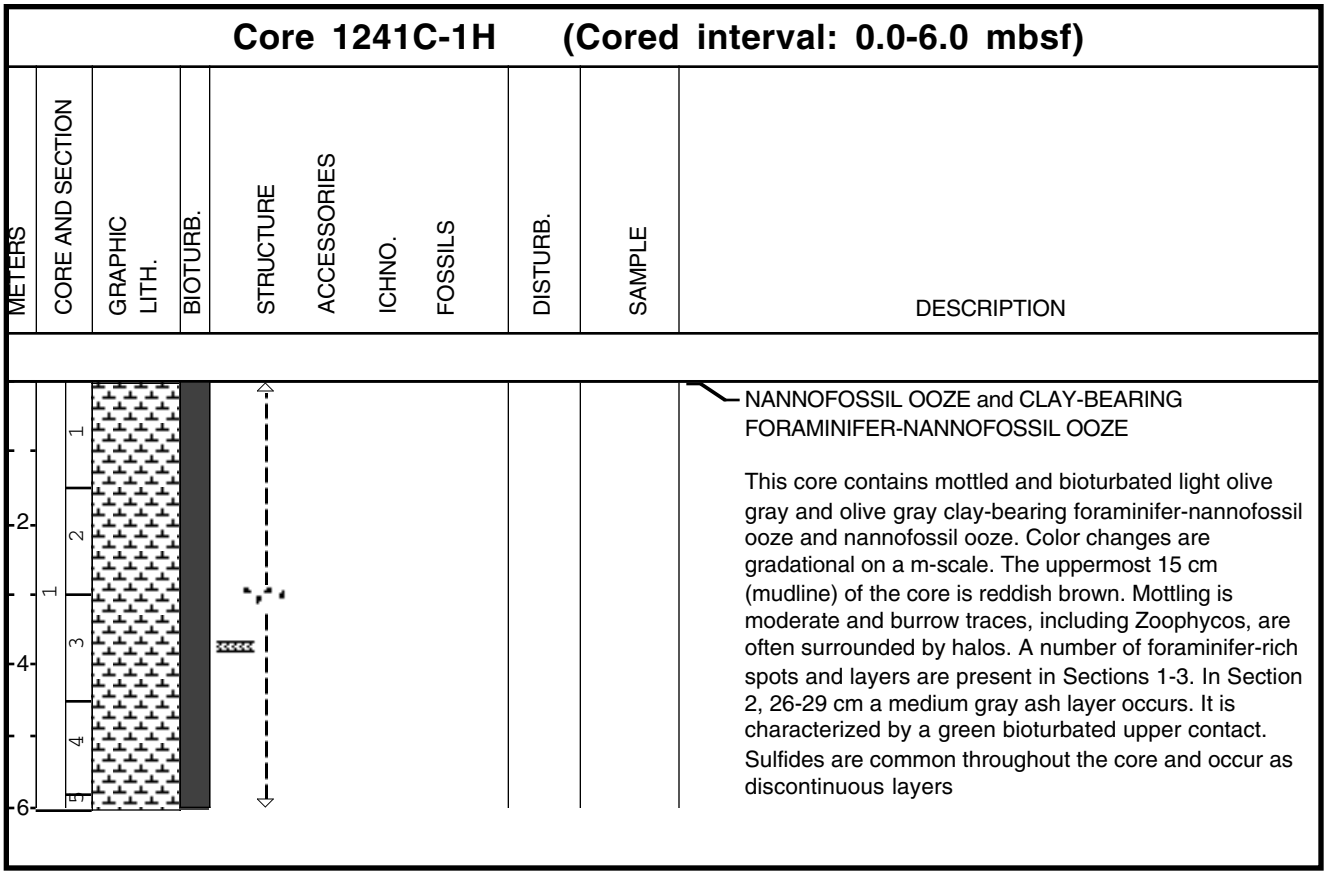
**Core 1241B-32X (Cored interval: 298.0-307.6 mbsf)**




DIATOM NANNOFOSSIL OOZE

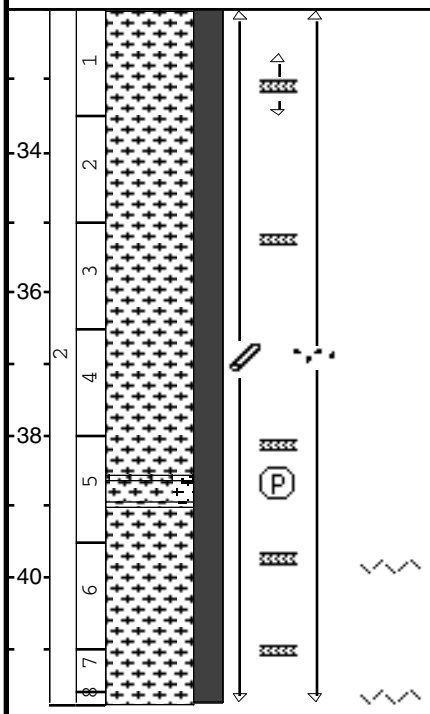
This core is dominated by pale olive to light olive gray diatom nannofossil ooze. The core is commonly bioturbated and mottled. One light gray ash layers with very light gray and diffuse layer is present in Section 1, 45-54 cm and a dark gray ash with sharp basal and diffuse upper contact is found in Section 5, 31-40 cm. The core is biscuited throughout and some fracturing has occurred near the base.

## Core Photo


Core 1241C-1H (Cored interval: 0.0-6.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
2
4
6
1
2
3
4
5
NANNOFOSSIL OOZE and CLAY-BEARING FORAMINIFER-NANNOFOSSIL OOZE
This core contains mottled and bioturbated light olive gray and olive gray clay-bearing foraminifer-nannofossil ooze and nannofossil ooze. Color changes are gradational on a m-scale. The uppermost 15 cm (mudline) of the core is reddish brown. Mottling is moderate and burrow traces, including Zoophycos, are often surrounded by halos. A number of foraminifer-rich spots and layers are present in Sections 1-3. In Section 2, 26-29 cm a medium gray ash layer occurs. It is characterized by a green bioturbated upper contact. Sulfides are common throughout the core and occur as discontinuous layers

## Core Photo

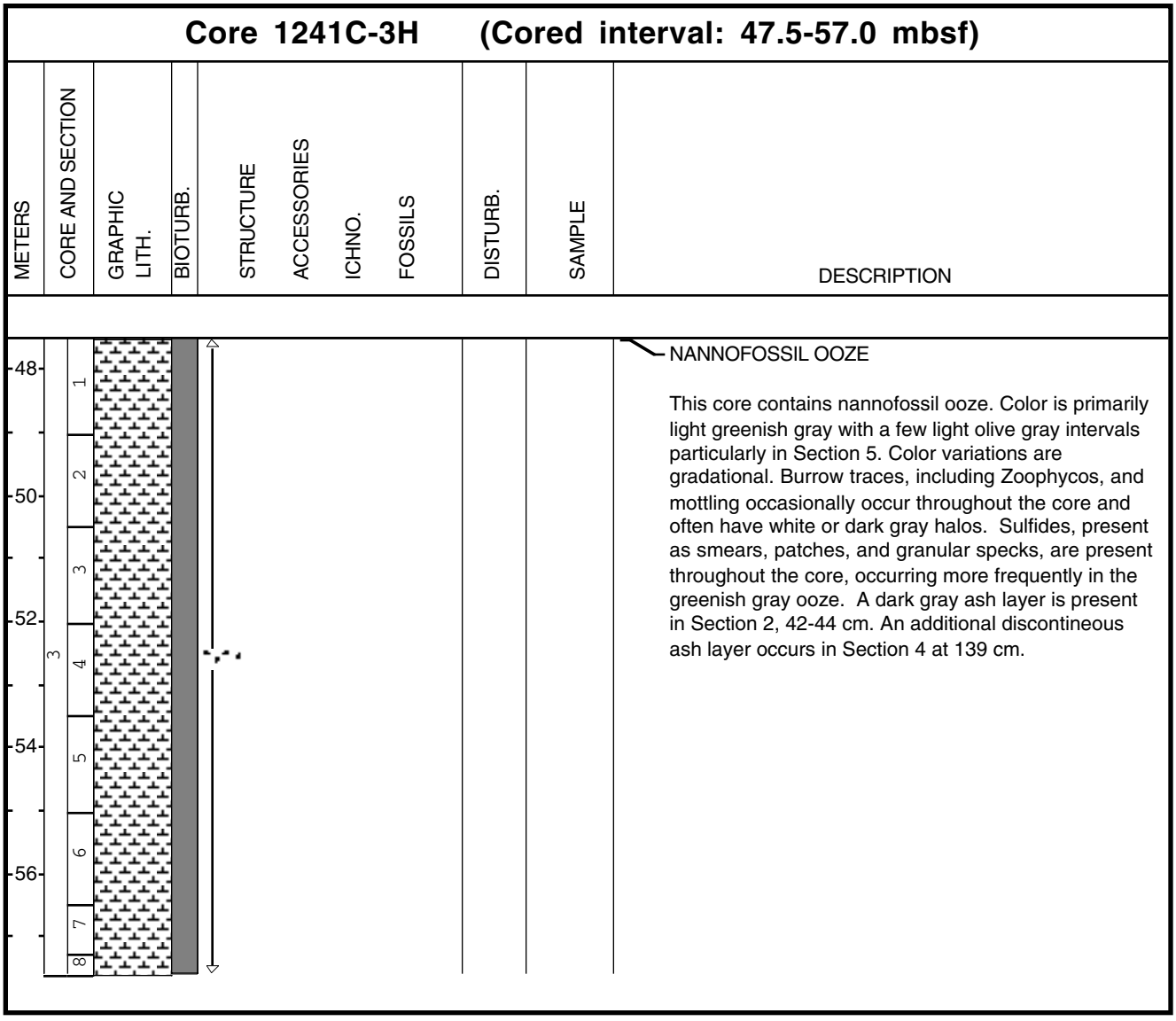
**Core 1241C-2H (Cored interval: 32.0-41.5 mbsf)**



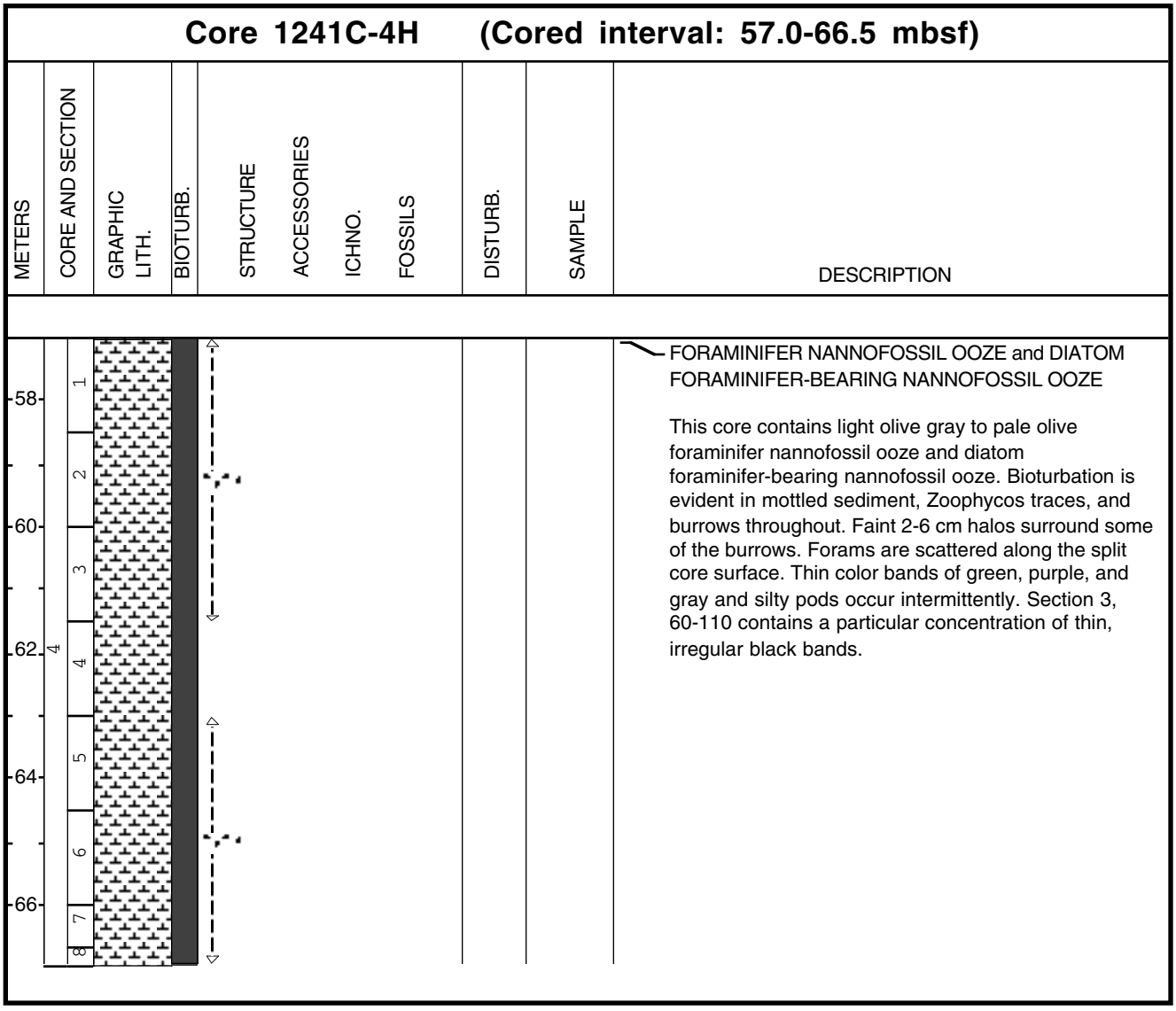

FORAMINIFER-NANNOFOSSIL OOZE

This core contains firm, homogeneous olive gray and light brown foraminifer-nannofossil ooze with common bioturbation evidenced by mottles, burrow fills, and Zoophycos throughout. One medium gray ash layer is present in Section 6, 32-48 cm, with a sharp base and a bioturbated top and ash patches below. The core catcher contains a dark gray ash layer from 12-20 cm. Two volcanic lapillae layers are present in Section 5, 58-63 cm, and 95-100 cm.

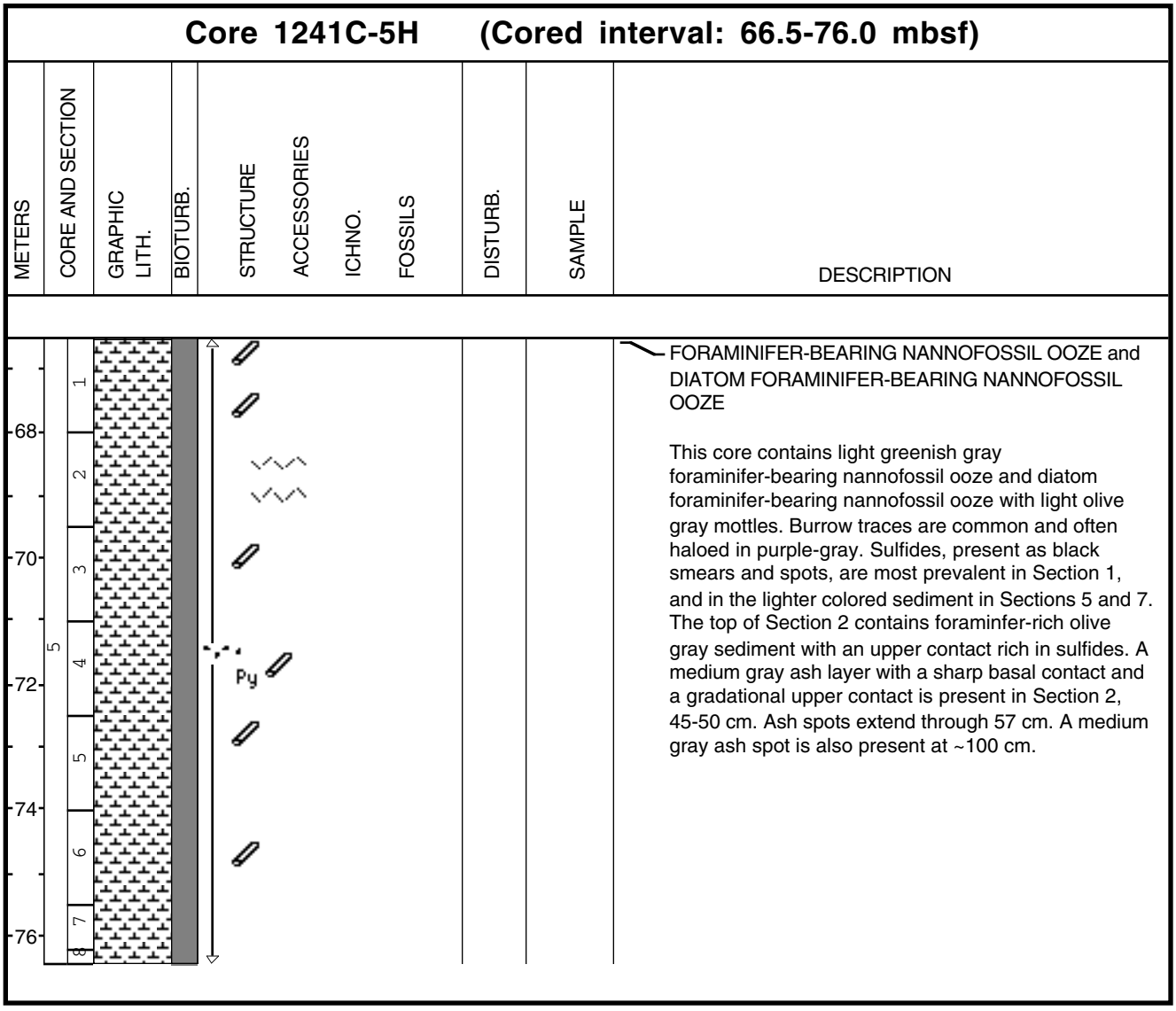
## Core Photo


Core 1241C-3H (Cored interval: 47.5-57.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
48
50
52
54
56
3
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE
This core contains nannofossil ooze. Color is primarily light greenish gray with a few light olive gray intervals particularly in Section 5. Color variations are gradational. Burrow traces, including Zoophycos, and mottling occasionally occur throughout the core and often have white or dark gray halos. Sulfides, present as smears, patches, and granular specks, are present throughout the core, occurring more frequently in the greenish gray ooze. A dark gray ash layer is present in Section 2, 42-44 cm. An additional discontineous ash layer occurs in Section 4 at 139 cm.

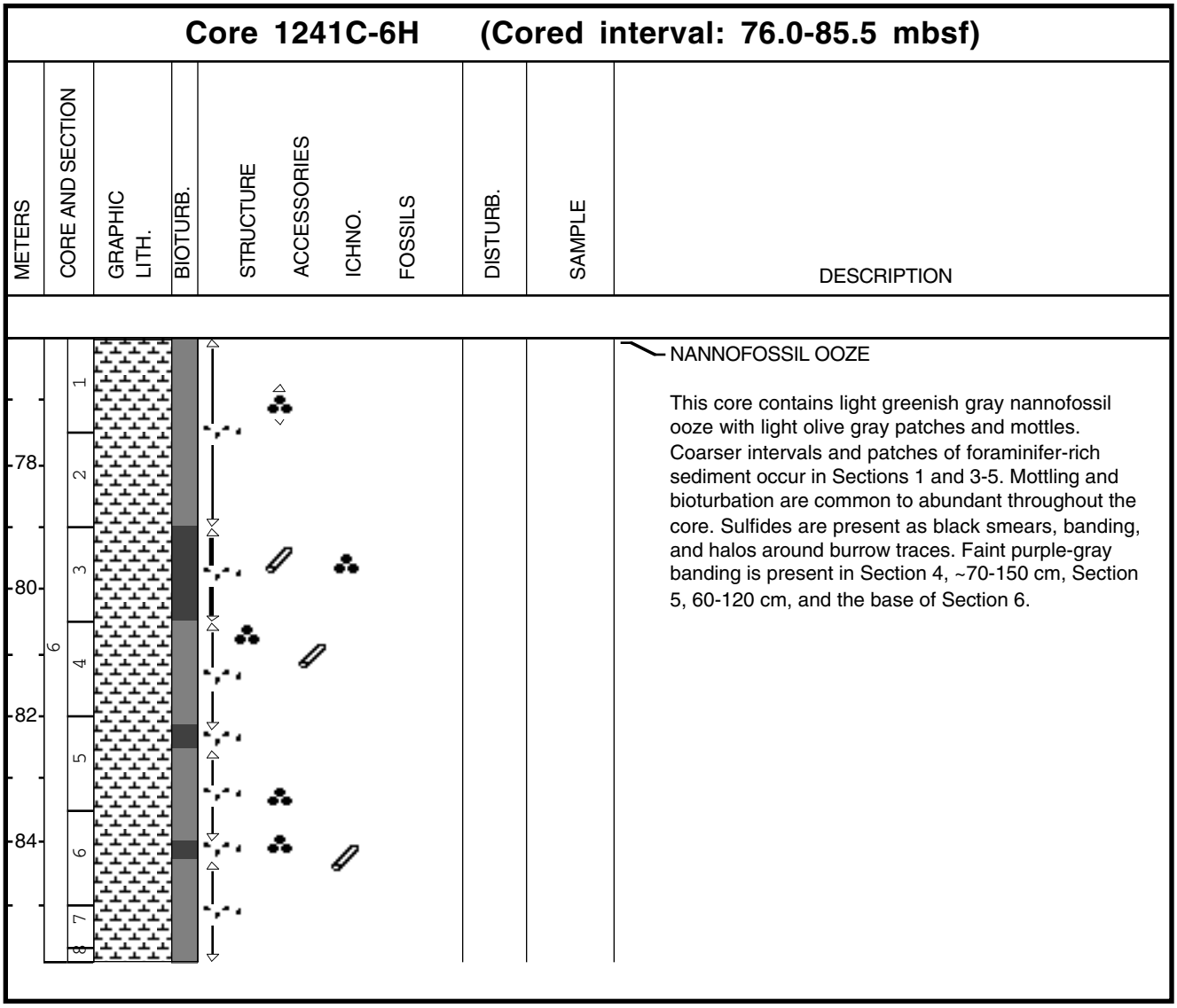
## Core Photo


Core 1241C-4H (Cored interval: 57.0-66.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
58
60
62
64
66
4
1
2
3
4
5
6
7
8
FORAMINIFER NANNOFOSSIL OOZE and DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains light olive gray to pale olive foraminifer nannofossil ooze and diatom foraminifer-bearing nannofossil ooze. Bioturbation is evident in mottled sediment, Zoophycos traces, and burrows throughout. Faint 2-6 cm halos surround some of the burrows. Forams are scattered along the split core surface. Thin color bands of green, purple, and gray and silty pods occur intermittently. Section 3, 60-110 contains a particular concentration of thin, irregular black bands.

## Core Photo

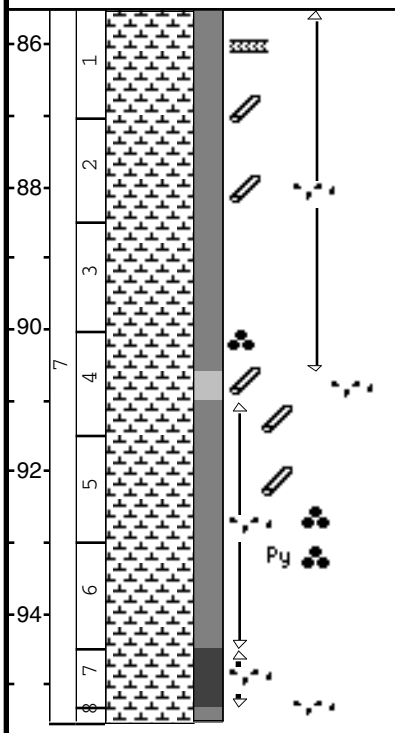

Core 1241C-5H (Cored interval: 66.5-76.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
68
70
72
74
76
5
1
2
3
4
5
6
7
8
Py
FORAMINIFER-BEARING NANNOFOSSIL OOZE and DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core contains light greenish gray foraminifer-bearing nannofossil ooze and diatom foraminifer-bearing nannofossil ooze with light olive gray mottles. Burrow traces are common and often haloed in purple-gray. Sulfides, present as black smears and spots, are most prevalent in Section 1, and in the lighter colored sediment in Sections 5 and 7. The top of Section 2 contains foraminfer-rich olive gray sediment with an upper contact rich in sulfides. A medium gray ash layer with a sharp basal contact and a gradational upper contact is present in Section 2, 45-50 cm. Ash spots extend through 57 cm. A medium gray ash spot is also present at ~100 cm.

## Core Photo


Core 1241C-6H (Cored interval: 76.0-85.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
78
80
82
84
6
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE
This core contains light greenish gray nannofossil ooze with light olive gray patches and mottles. Coarser intervals and patches of foraminifer-rich sediment occur in Sections 1 and 3-5. Mottling and bioturbation are common to abundant throughout the core. Sulfides are present as black smears, banding, and halos around burrow traces. Faint purple-gray banding is present in Section 4, ~70-150 cm, Section 5, 60-120 cm, and the base of Section 6.

## Core Photo

**Core 1241C-7H (Cored interval: 85.5-95.0 mbsf)**

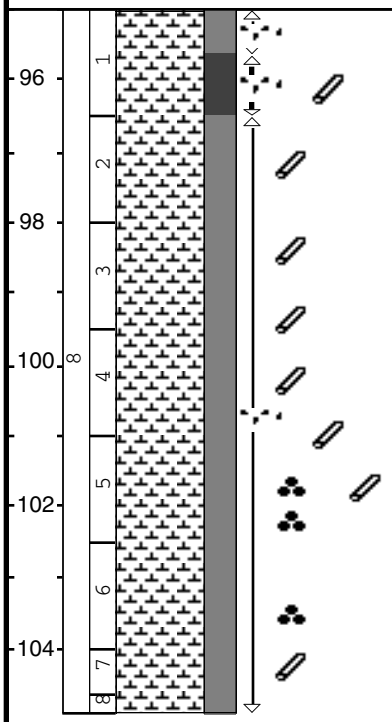



NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE

This core contains light greenish gray nannofossil ooze and foraminifer-bearing nannofossil ooze with light olive gray patches and mottles. Coarser intervals and patches of foraminifer-rich sediment occur in Sections 4-6. Mottling and bioturbation are common to abundant throughout the core. Sulfides, as black smears and banding, are common. A long, thin trace of purple-gray is present in Section 6 from 86-120 cm. Faint purple-gray banding is present in Section 4, ~70-150 cm, Section 5, 60-120 cm, and the base of Section 6.

## Core Photo

**Core 1241C-8H (Cored interval: 95.0-104.5 mbsf)**

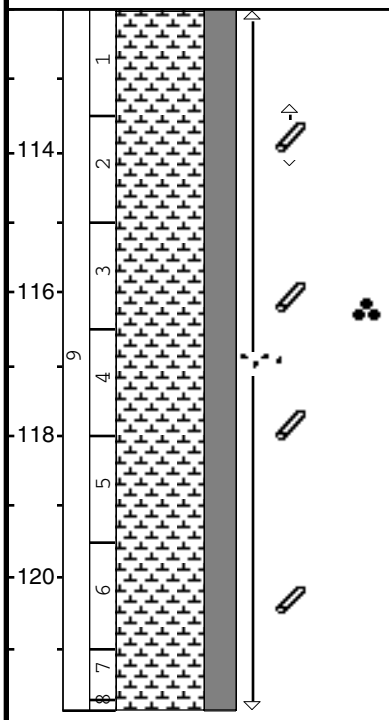



NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE

This core contains light greenish gray nannofossil ooze and foraminifer-bearing nannofossil ooze with light olive gray patches and mottles. Coarser intervals and patches of foraminifer-rich sediment occur in Sections 5-6. Mottling and bioturbation are common to abundant throughout the core. White intervals and patches occur in Sections 2-4 and some green patches are present. SulFides are present throughout the core as black smears, banding, and halos around burrow traces. Faint banding is present in the bases of Section 4 and Section 5, 60-120 cm.

## Core Photo

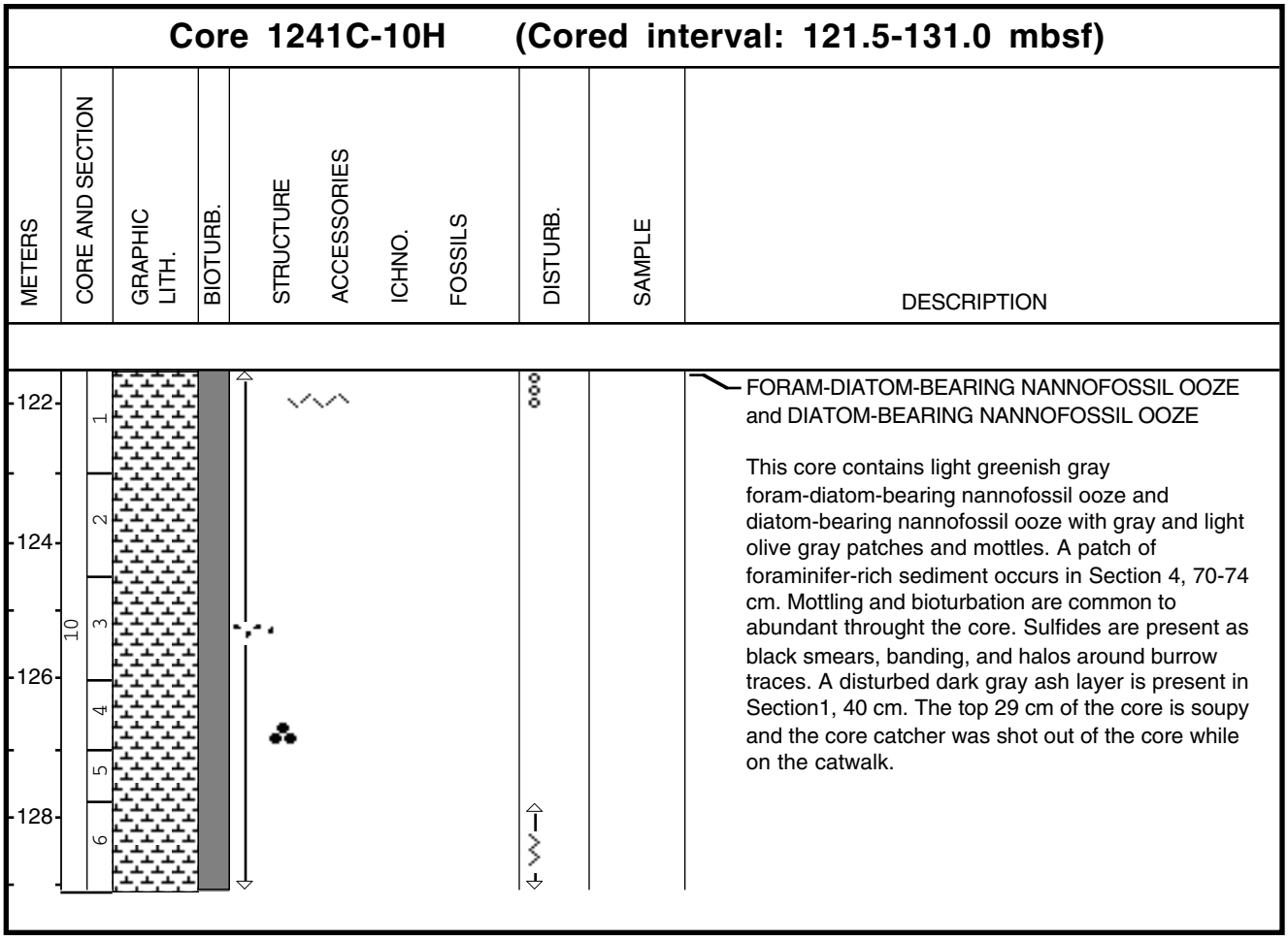
**Core 1241C-9H (Cored interval: 112.0-121.5 mbsf)**



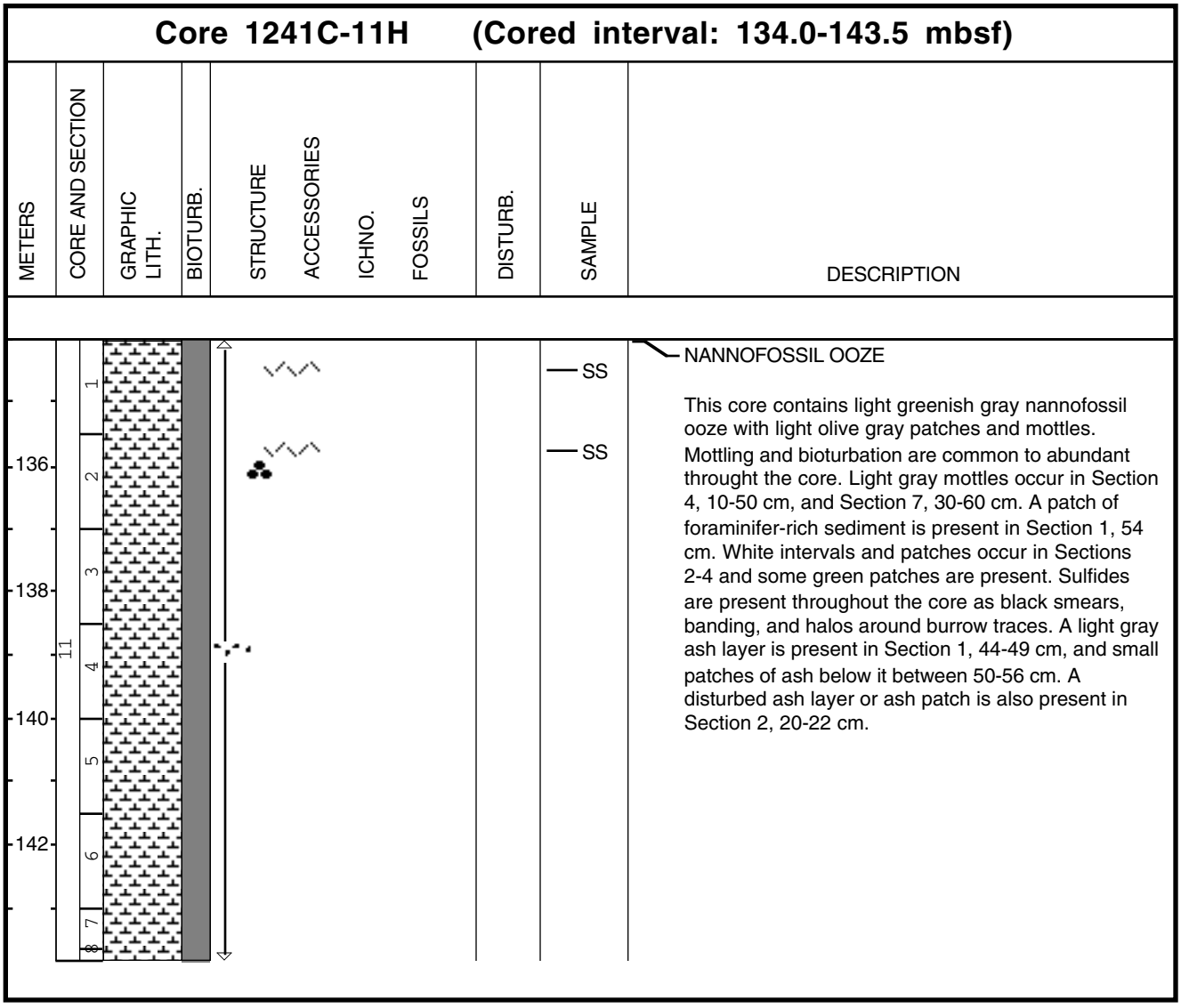

NANNOFOSSIL OOZE AND
FORAMINIFER-BEARING NANNOFOSSIL OOZE

This core contains light greenish gray nannofossil ooze and foraminifer-bearing nannofossil ooze with light olive gray and purple-gray patches and mottles. A patch of foraminifer-rich sediment is present in Section 3. Mottling and bioturbation are common to abundant throughout the core. Distinct burrows are difficult to identify. White intervals and patches, often as halos around burrows, occur in Sections 2-4 and some green patches are present. Sulfides are present as black smears, banding, and halos around burrow traces. Section 1, 20-80 cm, the base of Section 2, and Section 6, 20-110 cm, have very thin white and light olive gray bands. Faint purple-gray banding is present at the top of Section 3, the base of Section 4 and green and purple-gray bands are present in Section 5, through 110 cm.

## Core Photo


Core 1241C-10H (Cored interval: 121.5-131.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
122
124
126
128
10
1
2
3
4
5
6
FORAM-DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains light greenish gray foram-diatom-bearing nannofossil ooze and diatom-bearing nannofossil ooze with gray and light olive gray patches and mottles. A patch of foraminifer-rich sediment occurs in Section 4, 70-74 cm. Mottling and bioturbation are common to abundant throught the core. Sulfides are present as black smears, banding, and halos around burrow traces. A disturbed dark gray ash layer is present in Section1, 40 cm. The top 29 cm of the core is soupy and the core catcher was shot out of the core while on the catwalk.

## Core Photo


Core 1241C-11H (Cored interval: 134.0-143.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
136
138
140
142
11
1
2
3
4
5
6
7
SS
SS
NANNOFOSSIL OOZE
This core contains light greenish gray nannofossil ooze with light olive gray patches and mottles. Mottling and bioturbation are common to abundant throught the core. Light gray mottles occur in Section 4, 10-50 cm, and Section 7, 30-60 cm. A patch of foraminifer-rich sediment is present in Section 1, 54 cm. White intervals and patches occur in Sections 2-4 and some green patches are present. Sulfides are present throughout the core as black smears, banding, and halos around burrow traces. A light gray ash layer is present in Section 1, 44-49 cm, and small patches of ash below it between 50-56 cm. A disturbed ash layer or ash patch is also present in Section 2, 20-22 cm.

| Sample | | | | | Texture | | | | Mineral | | | | | | | | | | | | | | | | | | | | | | Biogenic | | | | | | | Rock | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Core | Type | Section | Top (cm) | Depth (mbsf) | Lithology | Sand (%) | Silt (%) | Clay (%) | Amphibole (8) | Chalcedony (42) | Clay Mineral (47) | Clinopyroxene (49) | Epidote (67) | Feldspar (71) | Glauconite (82) | Heavy Minerals (89) | Hematite (90) | Iron Oxides (260) | Mica (118) | Opaques (140) | Orthopyroxene (143) | Palagonite (148) | Pyrite (169) | Pyroxene (171) | Quartz (172) | Rutile (178) | Volcanic Glass (81) | Diatoms (58) | Dinoflagellate (59) | Foraminifers (78) | Nannofossils (132) | Radiolarians (173) | Siliceous Sponge Spicules (185) | Silicoflagellates (189) | Bioclasts (21) | Micrite (119) | Comments |
| **Hole A** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | H | 1 | 1 | 0.01 | M | | | | | | 11 | | | R | | | | 6 | | | | | 4 | | R | | | 2 | | 32 | 42 | 2 | R | R | | R | Clay-bearing foraminifer nannofossil ooze |
| 1 | H | 1 | 40 | 0.4 | D | | | | | | 13 | | | R | | | | 2 | | 2 | | | R | | | | | R | | 46 | 37 | R | | | | | Clay-bearing nannofossil foraminifer ooze |
| 1 | H | 1 | 75 | 0.75 | D | | | | | | 7 | | | 2 | | | | R | R | | | | R | | | | | 2 | | 28 | 60 | R | | | | | Foraminifer nannofossil ooze |
| 1 | H | 2 | 13 | 1.63 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Volcanic ash |
| 1 | H | 3 | 75 | 3.75 | D | | | | | | 8 | | | R | | | | | | | | | R | | | | | R | | 39 | 53 | R | R | | | | Foraminifer nannofossil ooze |
| 2 | H | 1 | 75 | 4.65 | D | | | | | | 15 | | | | | | | | R | | | | R | | | | R | 2 | | 22 | 54 | 2 | R | R | | 4 | Clay foraminifer-bearing nannofossil ooze |
| 2 | H | 2 | 43 | 5.83 | M | | | | | | 5 | | | R | | R | | | | | | | | | R | | 10 | 30 | | 5 | 40 | R | R | | | 10 | Ash-bearing diatom nanno ooze with micrite |
| 2 | H | 3 | 75 | 7.65 | D | | | | | | 14 | | | R | | | | | R | | | | 2 | | R | | R | 2 | | 39 | 39 | R | R | | | 2 | Clay-bearing foraminifer-nannofossil ooze |
| 2 | H | 6 | 135 | 12.75 | M | 35 | 55 | 10 | | R | 10 | | R | 50 | 1 | | 2 | | R | 10 | | | | | 5 | | 8 | R | | | 10 | | | | | Nannofossil-bearing sandy silt |
| 2 | H | 7 | 18 | 13.08 | M | | | | R | | 5 | | | R | | R | | | | | | | 7 | | | | 2 | 5 | | 15 | 55 | | | | | 10 | Foraminifer-bearing nanno ooze with micrite |
| 3 | H | 1 | 54 | 13.94 | M | | | | | | 5 | | | R | | | | | | | | | 50 | | | | 3 | | | 2 | 40 | | | | | | Nannofossil ooze with pyrite (opaque) |
| 3 | H | 1 | 75 | 14.15 | D | | | | | | 18 | | | | | | | R | R | | | | R | | | | R | 2 | | 44 | 35 | 2 | | | | | Clay-bearing nannofossil foraminifer ooze |
| 3 | H | 3 | 33 | 16.74 | D | | | | | | 18 | | | R | | | | | | | | | 6 | | R | | | 2 | | 46 | 28 | R | R | | | | Clay-bearing nannofossil foraminifer ooze |
| 3 | H | 3 | 75 | 17.16 | D | | | | | | 6 | | | | | | | | | | | | 2 | | | | 2 | 2 | | 32 | 53 | 2 | | R | | | Foraminifer nannofossil ooze |
| 3 | H | 3 | 89 | 17.3 | M | | | | 1 | | 2 | R | | 10 | | R | | | R | | | | 5 | | | | 80 | | | R | R | | | | | | Volcanic ash |
| 3 | H | 4 | 28 | 18.19 | M | | | | 1 | | R | | | 10 | | R | | | R | | | | 15 | 1 | | | 70 | | | | | | | | | | Volcanic ash |
| 4 | H | 1 | 75 | 23.65 | D | | | | | | 8 | | | | | | | | | | | | | | | | | 6 | | 28 | 56 | 3 | R | R | | | Foraminifer nannofossil ooze |
| 4 | H | 3 | 75 | 26.66 | D | | | | | | 5 | | | | | | | | | | | | R | | | | | 12 | | 17 | 60 | 7 | R | R | | | Diatom foraminifer-bearing nannofossil ooze |
| 4 | H | 4 | 13 | 27.54 | M | | | | 1 | | 20 | | | 10 | | | | | | | | | 3 | | | | 2 | 8 | | 10 | 35 | | R | R | | 8 | Foraminifer clay-bearing nannofossil ooze |
| 5 | H | 1 | 75 | 33.15 | D | | | | R | | | | | | | | | R | R | | | | R | | | | | 7 | | 27 | 57 | 2 | R | R | | 7 | Foraminifer nannofossil ooze |
| 5 | H | 3 | 75 | 36.18 | D | | | | | | 5 | | | | | | | | R | | | | | | | | 12 | 5 | | 18 | 45 | 4 | 2 | R | | 9 | Ash foraminifer-bearing nannofossil ooze |
| 6 | H | 3 | 75 | 45.66 | D | | | | | | 1 | | | R | | | | | | | | R | 3 | | | R | 3 | 15 | | 12 | 57 | 3 | R | R | | 6 | Foraminifer diatom-bearing nannofossil ooze |
| 7 | H | 1 | 75 | 52.15 | D | | | | | | R | | | | | | | | R | | | | R | | | | R | 7 | | 34 | 59 | R | R | | | | Foraminifer nannofossil ooze |
| 7 | H | 3 | 75 | 55.17 | D | | | | | | 3 | | | | | | | | R | | | | R | | | | R | 15 | | 24 | 50 | | | | 3 | 6 | Diatom foraminifer-bearing nannofossil ooze |
| 8 | H | 1 | 75 | 61.65 | D | | | | | | R | | | | | | | | | | | | | | | | R | 5 | | 5 | 86 | R | R | R | | 5 | Nannofossil ooze |
| 8 | H | 3 | 75 | 64.67 | D | | | | | | 1 | | | R | | | | | | | | | | | | | R | 13 | | 13 | 66 | 7 | R | R | | R | Diatom-foraminifer-bearing nannofossil ooze |
| 9 | H | 1 | 14 | 70.54 | M | | | | | | 3 | | | R | | | | | R | | | | 6 | | | | | 3 | | 25 | 63 | R | R | R | | | Foraminifer-bearing nannofossil ooze |
| 9 | H | 1 | 75 | 71.15 | D | | | | | | R | | | | | | | | | | | | | | | | 2 | 4 | | 16 | 68 | 2 | | R | | 7 | Foraminifer-bearing nannofossil ooze |
| 9 | H | 1 | 113 | 71.53 | M | 0 | 71 | 29 | | | 3 | | | | 8 | | | | | | | | 2 | | | | R | 2 | | 8 | 78 | R | | R | | | Nannofossil ooze |
| 9 | H | 3 | 75 | 74.16 | D | | | | | | 1 | | | | | | | | | | | | R | | | | | 11 | | 21 | 61 | 6 | R | R | | | Diatom foraminifer-bearing nannofossil ooze |
| 10 | H | 1 | 75 | 80.65 | D | | | | | | R | | | | | | | | | | | | R | | | | R | 8 | | 9 | 74 | 2 | 2 | R | | 4 | Nannofossil ooze |
| 10 | H | 1 | 133 | 81.23 | M | | | | | | 5 | | | | R | | | | R | | R | | 2 | | R | | R | 2 | | 25 | 65 | | R | | | | Foraminifer-bearing nannofossil ooze |
| 10 | H | 3 | 75 | 83.65 | D | | | | R | | R | | | | | | | | | | | | | | | | | 7 | | 3 | 83 | 3 | R | R | | 3 | Nannofossil ooze |
| 11 | H | 1 | 14 | 89.54 | M | | | | | | R | | | | | | | | | | | | | | | | | | | | | | | | | | Volcanic ash |
| 11 | H | 1 | 75 | 90.15 | D | | | | | | R | | | R | | | | | R | | | | | | | | R | 7 | | 15 | 77 | R | | R | | 1 | Foraminifer-bearing nannofossil ooze |
| 11 | H | 1 | 129 | 90.69 | M | | | | | | R | | | | | | | | R | | | | 11 | | | | | 4 | | 11 | 74 | | | | | | Foraminifer-bearing nanno ooze with pyrite |
| 11 | H | 3 | 75 | 93.17 | D | | | | | | | | | | | | | | R | | | | | | | | R | 4 | | 8 | 80 | 4 | R | R | | 4 | Nannofossil ooze |
| 11 | H | 4 | 37 | 94.3 | M | | | | R | | 5 | | | | | | | | | | | | | | | | 3 | 5 | | | 60 | R | | | | 25 | Nannofossil ooze with micrite |
| 11 | H | 6 | 95 | 97.91 | M | | | | | | 5 | | | R | | | | | | | | | 1 | | | | | 2 | | 5 | 75 | R | R | R | | 7 | Nannofossil ooze |
| 11 | H | 7 | 36 | 98.83 | D | | | | | | | | | | | | | | R | | | | | | | | 2 | 2 | | 6 | 82 | 2 | R | 2 | | 4 | Nannofossil ooze |
| 12 | H | 1 | 75 | 99.65 | D | | | | | | 7 | | | R | | | | | R | | | | R | | | | | 2 | | 12 | 73 | 4 | R | R | | 2 | Foraminifer-bearing nannofossil ooze |
| 12 | H | 3 | 67 | 102.59 | M | | | | | | 5 | | | 1 | | | | | R | | | | 2 | | | | 15 | 2 | | 6 | 60 | R | | R | | 5 | Ash-bearing nannofossil ooze |
| 12 | H | 3 | 75 | 102.67 | D | | | | | | 2 | | | | | | | | | | | | | | | | R | 6 | | 7 | 82 | 3 | | R | | | Nannofossil ooze |
| 12 | H | 6 | 18 | 106.63 | M | | | | | | 5 | | | R | | | | | R | | | | 3 | | | | | 1 | | 20 | 40 | R | R | | | 30 | Foraminifer-bearing nanno ooze with micrite |
| 12 | H | 7 | 12 | 108.08 | M | | | | | | 3 | | | R | | | | | | | | | R | | | | 40 | 5 | | 10 | 20 | | R | | | 20 | Foraminifer nannofossil-bearing ash w/micrite |

| Sample | | | | | Texture | | | | Mineral | | | | | | | | | | | | | | | | | | | | | Biogenic | | | | | | | Rock | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Core | Type | Section | Top (cm) | Depth (mbsf) | Lithology | Sand (%) | Silt (%) | Clay (%) | Amphibole (8) | Chalcedony (42) | Clay Mineral (47) | Clinopyroxene (49) | Epidote (67) | Feldspar (71) | Glauconite (82) | Heavy Minerals (89) | Hematite (90) | Iron Oxides (260) | Mica (118) | Opaques (140) | Orthopyroxene (143) | Palagonite (148) | Pyrite (169) | Pyroxene (171) | Quartz (172) | Rutile (178) | Volcanic Glass (81) | Diatoms (58) | Dinoflagellate (59) | Foraminifers (78) | Nannofossils (132) | Radiolarians (173) | Siliceous Sponge Spicules (185) | Silicoflagellates (189) | Bioclasts (21) | Micrite (119) | Comments |
| **Hole A (continued)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | H | 1 | 75 | 109.15 | D | | | | R | | | | | R | | | | | | | | | | | | | | 2 | | 14 | 78 | 2 | R | R | | 4 | Foraminifer-bearing nannofossil ooze |
| 13 | H | 3 | 75 | 112.17 | D | | | | | | 2 | | | | | | | | R | | | | R | | | | | 4 | | 10 | 78 | R | | | | 6 | Foraminifer-bearing nannofossil ooze |
| 14 | H | 1 | 75 | 118.65 | D | | | | | | 6 | | | | | | | | | | | | | | | R | 14 | | 10 | 60 | 4 | R | R | | 6 | Foraminifer diatom-bearing nannofossil ooze |
| 14 | H | 3 | 75 | 121.67 | D | | | | | | | | | | | | | | | | | | 2 | | R | R | 11 | | 7 | 68 | 4 | R | R | | 7 | Diatom-bearing nannofossil ooze |
| 14 | H | 4 | 46 | 122.89 | M | | | | | | 5 | | | R | | | | | R | | | | | | | | 1 | | 10 | 70 | | R | R | | 10 | Foraminifer-bearing nannofossil ooze w/micrit |
| 14 | H | 4 | 78 | 123.21 | M | | | | | | 5 | | | R | | | | | | | | | R | | | | 7 | | 2 | 80 | R | R | R | | | Nannofossil ooze - nanno-aggregates |
| 15 | H | 1 | 75 | 128.15 | D | | | | | | 10 | | | | | | | | R | | | | R | | | R | 10 | R | 20 | 51 | 4 | R | R | | 4 | Clay-diatom foram-bearing nannofossil ooze |
| 15 | H | 3 | 75 | 131.17 | D | | | | | | 6 | | | R | | | | | | | | | R | | | 2 | 10 | | 14 | 63 | 2 | R | R | | 2 | Diatom foraminifer-bearing nannofossil ooze |
| 15 | H | 5 | 90 | 134.34 | M | 25 | 70 | 5 | 1 | | 5 | | | 5 | | | | | 2 | | | | 1 | R | | 80 | | | | 3 | | R | | | | Volcanic ash |
| 16 | H | 1 | 75 | 137.65 | D | | | | | | 12 | | | | | | | | | | | | R | | | R | 5 | | 7 | 70 | 2 | R | R | | 5 | Clay-bearing nannofossil ooze |
| 16 | H | 3 | 75 | 140.68 | D | | | | | | 3 | | | R | | | | | | | | | 2 | | | | 10 | | 10 | 60 | R | R | R | | 15 | Foram-diatom-bearing nanno ooze w/micrite |
| 16 | H | 6 | 68 | 145.14 | M | | | | R | | 5 | | | R | | | | | R | | | | | | | 12 | 5 | | 5 | 60 | R | | R | | 8 | Ash-bearing nannofossil ooze |
| 17 | H | 1 | 75 | 147.15 | D | | | | | | 10 | | | R | | | | | | | | | R | | | | 6 | | 10 | 59 | 2 | R | | | 14 | Clay-foram-bearing nannofossil ooze w/micrite |
| 17 | H | 3 | 75 | 150.16 | D | | | | | | 6 | | | | | | | | | | | | R | | | 2 | 10 | | 6 | 67 | R | R | | | 10 | Diatom-bearing nannofossil ooze with micrite |
| 18 | H | 1 | 75 | 156.65 | D | | | | | | 6 | | | | | | | | | | | | R | | | | 28 | | 9 | 47 | 6 | 2 | 2 | | R | Diaom nannofossil ooze |
| 18 | H | 3 | 75 | 159.66 | D | | | | | | 2 | | | R | | | | | | | | | | | | R | 11 | | 5 | 64 | 5 | 2 | R | | 11 | Diatom-bearing nannofossil ooze with micrite |
| 19 | H | 1 | 75 | 166.15 | D | | | | | R | 11 | | | | | | | | R | | | | R | | | | 6 | | 2 | 64 | 2 | R | | | 15 | Clay-bearing nannofossil ooze with micrite |
| 19 | H | 3 | 75 | 169.17 | D | | | | | | 10 | | | | | | | | | | | | R | | | R | 24 | | 6 | 50 | 6 | | R | | 4 | Clay diatom-bearing nannofossil ooze |
| 19 | H | 4 | 56 | 170.49 | M | | | | | | 2 | | | R | R | | | | R | | | | 5 | | | | 6 | | 5 | 80 | | R | R | | | Nannofossil ooze |
| 19 | H | 7 | 25 | 174.71 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Volcanic ash |
| 20 | H | 1 | 75 | 175.65 | D | | | | | | 4 | | | R | | | | | | R | | | | | | | 5 | 7 | | 5 | 70 | R | R | R | | 5 | Nannofossil ooze |
| 20 | H | 3 | 75 | 178.67 | D | | | | | | 3 | | | R | | | | | | | | | | | | | 1 | 4 | | 3 | 79 | 3 | 3 | R | | 4 | Nannofossil ooze |
| 21 | H | 1 | 75 | 185.15 | D | | | | | | 2 | | | R | | | | | | | | | R | | | | 2 | 6 | | 4 | 80 | 2 | | | | 4 | Nannofossil ooze |
| 21 | H | 3 | 75 | 188.17 | D | | | | | | 4 | | | | | | | | | | | | R | | | | | 4 | | 2 | 87 | 1 | | R | | 2 | Nannofossil ooze |
| 22 | H | 1 | 18 | 194.08 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Volcanic ash |
| 22 | H | 1 | 75 | 194.65 | D | | | | | | 2 | | | | | | | | | | | | 1 | | | | R | 6 | | 3 | 86 | 1 | R | R | | 2 | Nannofossil ooze |
| 22 | H | 3 | 75 | 197.65 | D | 0 | 13 | 87 | | | 8 | | | 1 | | | | | | | | | | | | | R | 12 | | 2 | 71 | 1 | | 1 | | 4 | Diatom-bearing nannofossil ooze |
| 23 | H | 1 | 75 | 204.15 | D | 0 | R | 100 | | | 5 | | | R | | | | | | | | | | | | | | 13 | | 2 | 72 | 2 | | 2 | | 4 | Diatom-bearing nannofossil ooze |
| 23 | H | 3 | 75 | 207.17 | D | | | | | | R | | | | | | | | | | | | | | | R | | 14 | | 2 | 80 | 2 | R | 2 | | R | Diatom-bearing nannofossil ooze |
| 24 | H | 1 | 75 | 213.65 | D | | | | | | 6 | | | R | | | | | | | | | | | | | | 13 | R | 2 | 74 | 1 | R | 1 | | 3 | Diatom-bearing nannofossil ooze |
| 24 | H | 3 | 75 | 216.67 | D | 0 | 0 | 100 | | | 5 | | | | | | | | | | | | R | | | | R | 7 | R | 2 | 73 | 5 | | 2 | | 5 | Nannofossil ooze |
| 25 | H | 1 | 75 | 223.15 | D | | | | | | 5 | | | R | | | | | | | | | | | | | R | 10 | | 2 | 76 | | | 1 | | 5 | Diatom-bearing nannofossil ooze |
| 25 | H | 3 | 51 | 225.94 | M | 0 | 0 | 100 | | | 5 | | | | | | | | R | | | | | | | | R | 7 | | 3 | 75 | R | R | R | | 10 | Nannofossil ooze with micrite |
| 25 | H | 3 | 75 | 226.18 | D | 0 | 0 | 100 | | | 6 | | | | | | | | | | | | | | | | | 7 | R | 1 | 80 | 1 | R | 1 | | 4 | Nannofossil ooze |
| 25 | H | 7 | 64 | 232.12 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Volcanic ash |
| 26 | H | 1 | 75 | 232.65 | D | 0 | 0 | 100 | | | 8 | | | | | | | | | | | | R | | | | | 12 | R | 1 | 71 | 2 | R | 1 | | 4 | Diatom-bearing nannofossil ooze |
| 26 | H | 2 | 5 | 233.46 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Volcanic ash |
| 26 | H | 3 | 75 | 235.67 | D | 0 | 0 | 100 | | | 7 | | | 1 | | | | | R | | | | | | | | | 8 | | 1 | 76 | 1 | 1 | 1 | | 4 | Nannofossil ooze |
| 27 | H | 1 | 75 | 242.15 | D | | | | | | 6 | | | | | | | | | | | | | | | | | 8 | | 1 | 77 | 2 | 1 | R | | 4 | Nannofossil ooze |
| 27 | H | 3 | 75 | 245.17 | D | 0 | 0 | 100 | R | | 7 | | | | R | | | | | | | | 1 | | | | R | 21 | | 2 | 55 | 3 | R | 1 | | 10 | Diatom-bearing nannofossil ooze with micrite |
| 27 | H | 5 | 86 | 248.28 | M | | | | | | 7 | | | | R | | | | | | | | 1 | | | | | 21 | | 1 | 57 | 4 | | | | 7 | Diatom-bearing nannofossil ooze |
| 27 | H | 6 | 25 | 249.18 | M | 0 | 0 | 100 | | | 7 | | | | | | | | | | | | | | | | | 25 | | 2 | 60 | 1 | 1 | 1 | | 3 | Diatom-bearing nannofossil ooze |
| 28 | H | 1 | 14 | 251.04 | M | | | | | | 3 | | | | | | | | | | | | R | | | | R | 17 | | 2 | 68 | 2 | R | 1 | | 6 | Diatom-bearing nannofossil ooze |
| 28 | H | 1 | 75 | 251.65 | D | | | | | | 6 | | | | | | | | R | | | | | | | | R | 24 | | 2 | 63 | R | | 2 | | 3 | Diatom-bearing nannofossil ooze |
| 28 | H | 3 | 75 | 254.65 | D | | | | | | 6 | | | | | | | | R | | | | | | | | | 28 | | 2 | 57 | 2 | | 4 | | 2 | Diatom nannofossil ooze |
| 29 | H | 1 | 75 | 261.15 | D | | | | | | 3 | | | | | | | | | | | | | | | | 2 | 2 | | 2 | 86 | 2 | R | 2 | | 2 | Nannofossil ooze |

| Sample | | | | | Texture | | | | Mineral | | | | | | | | | | | | | | | | | | Biogenic | | | | | | | Rock | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Core | Type | Section | Top (cm) | Depth (mbsf) | Lithology | Sand (%) | Silt (%) | Clay (%) | Amphibole (8) | Chalcedony (42) | Clay Mineral (47) | Clinopyroxene (49) | Epidote (67) | Feldspar (71) | Glauconite (82) | Heavy Minerals (89) | Hematite (90) | Iron Oxides (260) | Mica (118) | Opaques (140) | Orthopyroxene (143) | Palagonite (148) | Pyrite (169) | Pyroxene (171) | Quartz (172) | Rutile (178) | Volcanic Glass (81) | Diatoms (58) | Dinoflagellate (59) | Foraminifers (78) | Nannofossils (132) | Radiolarians (173) | Siliceous Sponge Spicules (185) | Silicoflagellates (189) | Bioclasts (21) | Micrite (119) | Comments |
| **Hole A (continued)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | H | 3 | 75 | 264.16 | D | | | | | | 4 | | | | | | | | | | | | | | | R | 3 | | R | 91 | R | R | 1 | | 1 | Nannofossil ooze |
| 30 | H | 1 | 75 | 270.65 | D | | | | | | 4 | | | R | | | | | R | | | | | | | R | 7 | | 1 | 86 | R | R | 1 | | 2 | Nannofossil ooze |
| 30 | H | 2 | 67 | 272.07 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Volcanic ash |
| 30 | H | 3 | 75 | 273.66 | D | | | | | | 4 | | | | | | | | R | | | | | | | R | 7 | | R | 84 | 1 | R | 3 | | | Nannofossil ooze |
| 31 | H | 1 | 75 | 280.15 | D | | | | | | 4 | | | | | | | | | | | | | | | R | 4 | | 1 | 88 | 1 | R | R | | 2 | Nannofossil ooze |
| 31 | H | 3 | 75 | 283.17 | D | | | | | | 4 | | | | | | | | 1 | | | | | | | R | 8 | | 1 | 81 | 1 | R | R | | 3 | Nannofossil ooze |
| 31 | H | 5 | 112 | 286.56 | M | | | | R | R | R | | | R | | | | | | 2 | | | | | | 2 | 16 | | 11 | 33 | R | R | 2 | | 33 | Foram diatom-bearing nanno ooze w/micrite |
| 32 | H | 1 | 75 | 289.65 | D | | | | | | 3 | | | | R | | | | R | | | | | | | | 30 | | R | 60 | R | R | R | | R | Diatom nannofossil ooze |
| 32 | H | 2 | 115 | 291.55 | M | | | | | | 3 | | | R | R | | | | | | | 1 | | | | R | 30 | | R | 60 | R | R | R | | 2 | Diatom nannofossil ooze |
| 32 | H | 3 | 75 | 292.65 | D | | | | | | 3 | | | R | | | | | | | | 1 | | | | | 25 | | 1 | 65 | R | R | R | | 2 | Diatom-bearing nannofossil ooze |
| 32 | H | 6 | 53 | 296.93 | M | | | | | | 5 | | | 2 | | | | | 1 | 2 | | 2 | R | | | 7 | 20 | | R | 60 | R | | | | | Diatom-bearing nannofossil ooze |
| 32 | H | 6 | 124 | 297.64 | M | | | | | | 5 | | | | R | | | | | | | 10 | | | | 20 | 25 | | R | 35 | R | R | | | R | Ash diatom-bearing nannofossil ooze w/pyrite |
| 32 | H | 6 | 136 | 297.76 | M | | | | | | 5 | | | R | | | | | | | | 3 | | | | 10 | 30 | | R | 50 | R | R | | | R | Ash diatom-bearing nannofossil ooze |
| 33 | H | 1 | 75 | 299.15 | D | | | | | R | 5 | | | | | | | | | | | R | | | | | 15 | | R | 70 | R | R | R | | 5 | Diatom-bearing nannofossil ooze |
| 33 | H | 2 | 138 | 301.28 | M | 60 | 35 | 5 | | R | 3 | | | 3 | | | | | | 3 | | 2 | | | | 85 | | | | 5 | | | | | Volcanic ash |
| 33 | H | 3 | 75 | 302.15 | D | | | | | R | 3 | | | R | | | | | | R | | R | | | | | 20 | | R | 67 | R | R | R | | 3 | Diatom-bearing nannofossil ooze |
| 34 | H | 1 | 75 | 308.65 | D | | | | | | 7 | | | R | R | | | R | | | | | | | | R | 48 | | R | 36 | 7 | R | R | | 2 | Nannofossil diatom ooze |
| 34 | H | 3 | 75 | 311.65 | D | | | | | | 8 | | | | | | | | R | | | | | | | 2 | 31 | | R | 51 | 5 | R | R | | 2 | Diatom nannofossil ooze |
| 34 | H | 3 | 130 | 312.2 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ash-Brown glass |
| 34 | H | 6 | 50 | 315.9 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ash-bearing diatom nannofossil ooze |
| 35 | X | 1 | 75 | 314.95 | D | | | | | | 10 | | | | | | | | | | | 2 | | | | 6 | 29 | | | 49 | 4 | R | R | | R | Clay-bearing diatom nannofossil ooze |
| 35 | X | 3 | 75 | 317.95 | D | | | | | | 14 | | | R | | | | | | | | 2 | | | | 2 | 31 | | 4 | 42 | 4 | R | R | | | Clay-bearing diatom nannofossil ooze |
| 35 | X | 4 | 50 | 319.2 | M | | | | | | R | | | 3 | | | | | | | | | | | | 17 | 43 | | 3 | 17 | 2 | | 2 | | 12 | Ash nanno-bearing diatom ooze with micrite |
| 35 | X | 6 | 10 | 321.8 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ash -bearing diatom-nanno ooze |
| 35 | X | 6 | 66 | 322.36 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ash |
| 36 | X | 1 | 75 | 323.95 | D | | | | | | 11 | | | | | | | | | | | | R | | | | R | 33 | | 7 | 44 | 4 | R | R | | R | Clay-bearing diatom nannofossil ooze |
| 36 | X | 3 | 13 | 326.33 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ash |
| 36 | X | 3 | 35 | 326.55 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ash-brown glass |
| 36 | X | 3 | 75 | 326.95 | D | | | | | R | 8 | | | R | | | | | | | | | | | | 2 | 30 | | 2 | 50 | 8 | R | R | | R | Diatom nannofossil ooze |
| 37 | X | 1 | 75 | 333.65 | D | | | | | | 12 | | | R | R | | | R | | | | | R | | | | | 42 | | R | 42 | 2 | | R | | 2 | Clay-bearing nannofossil-diatom ooze |
| 37 | X | 3 | 75 | 336.65 | D | | | | | | 8 | | | R | | | | | | | | | R | | | R | 38 | | 3 | 48 | 3 | R | R | | | Diatom nannofossil ooze |
| 38 | X | 1 | 45 | 342.95 | M | | | | | | | | | | | | | | | | | | 4 | | | | 20 | 20 | | R | 53 | 3 | | R | | | Ash diatom-bearing nannofossil ooze |
| 38 | X | 1 | 75 | 343.25 | D | | R | 100 | | 33 | | | | R | R | | | | R | | | | 2 | | | | | 28 | | 3 | 33 | 1 | | R | | 1 | Clayey diatom nannofossil ooze |
| 38 | X | 3 | 26 | 345.56 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ash |
| 39 | X | 2 | 107 | 354.57 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ash |
| 39 | X | 4 | 97 | 357.47 | M | | | | | | 11 | | | | | | | | | | | | 2 | | | | 5 | 22 | | 2 | 49 | 5 | R | 1 | | 2 | Clay diatom-bearing nannofossil ooze |
| 40 | X | 1 | 75 | 362.45 | D | | | | | | 9 | | | | | | | | | | | | 2 | | | | 19 | 19 | | R | 47 | 4 | R | R | | | Ash-diatom-bearing nanno ooze |
| 40 | X | 3 | 75 | 365.45 | D | | | | | | 17 | | | | R | | | | | | | | 3 | | | | R | 8 | | 3 | 58 | R | R | R | | 8 | Clay-bearing nannofossil ooze |
| 40 | X | 6 | 146 | 370.66 | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ash |
| 41 | X | 1 | 110 | 372.4 | D | 0 | 0 | 100 | | | 8 | | | | | | | | | | | | R | | | | 8 | 8 | | R | 66 | 3 | | 3 | | 5 | Nannofossil ooze |
| 42 | X | 1 | 74 | 381.74 | D | | | 100 | | | 45 | | | R | | | | | | | | | 2 | | | | 5 | 18 | | 2 | 27 | R | | | | 2 | Clayey diatom nannofossil ooze |
| 42 | X | 3 | 74 | 384.74 | D | | | 100 | | | 36 | | | | R | | R | | | | | | 3 | | | | | 36 | | R | 22 | 3 | | R | | R | Clayey nannofossil diatom ooze |
| 43 | X | 1 | 77 | 391.37 | D | | 28 | 72 | | | 25 | | | 3 | 8 | | | | | | | | R | | | | 8 | | | 5 | 50 | | | | | 3 | Clay-bearing nannofossil ooze |
| 43 | X | 2 | 46 | 392.54 | D | | 9 | 91 | | | 26 | | | 3 | | | | | | | | | 5 | | | | 38 | | | | 26 | | | | | 3 | Nannofossil clayey ash |