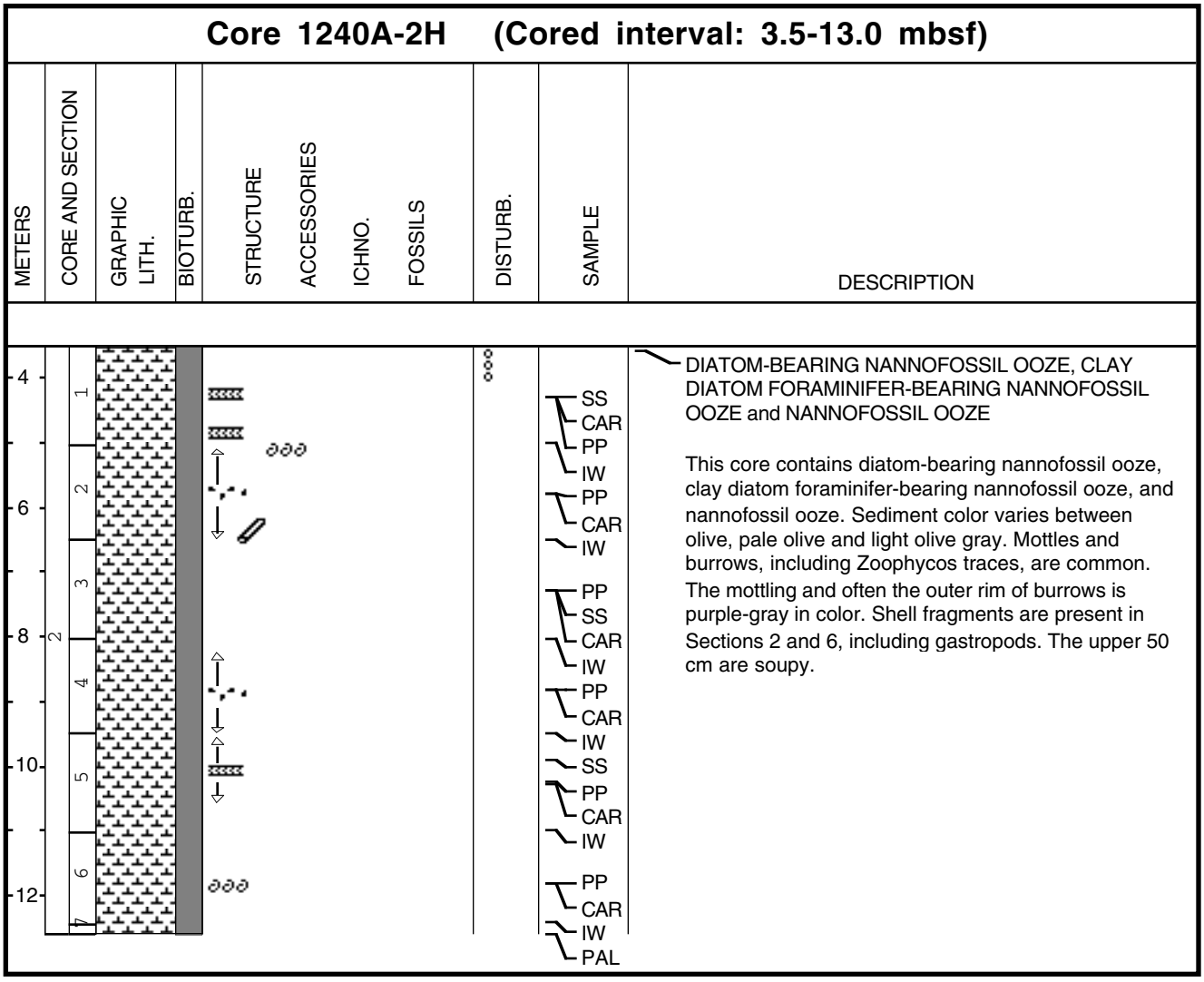
Core Photo

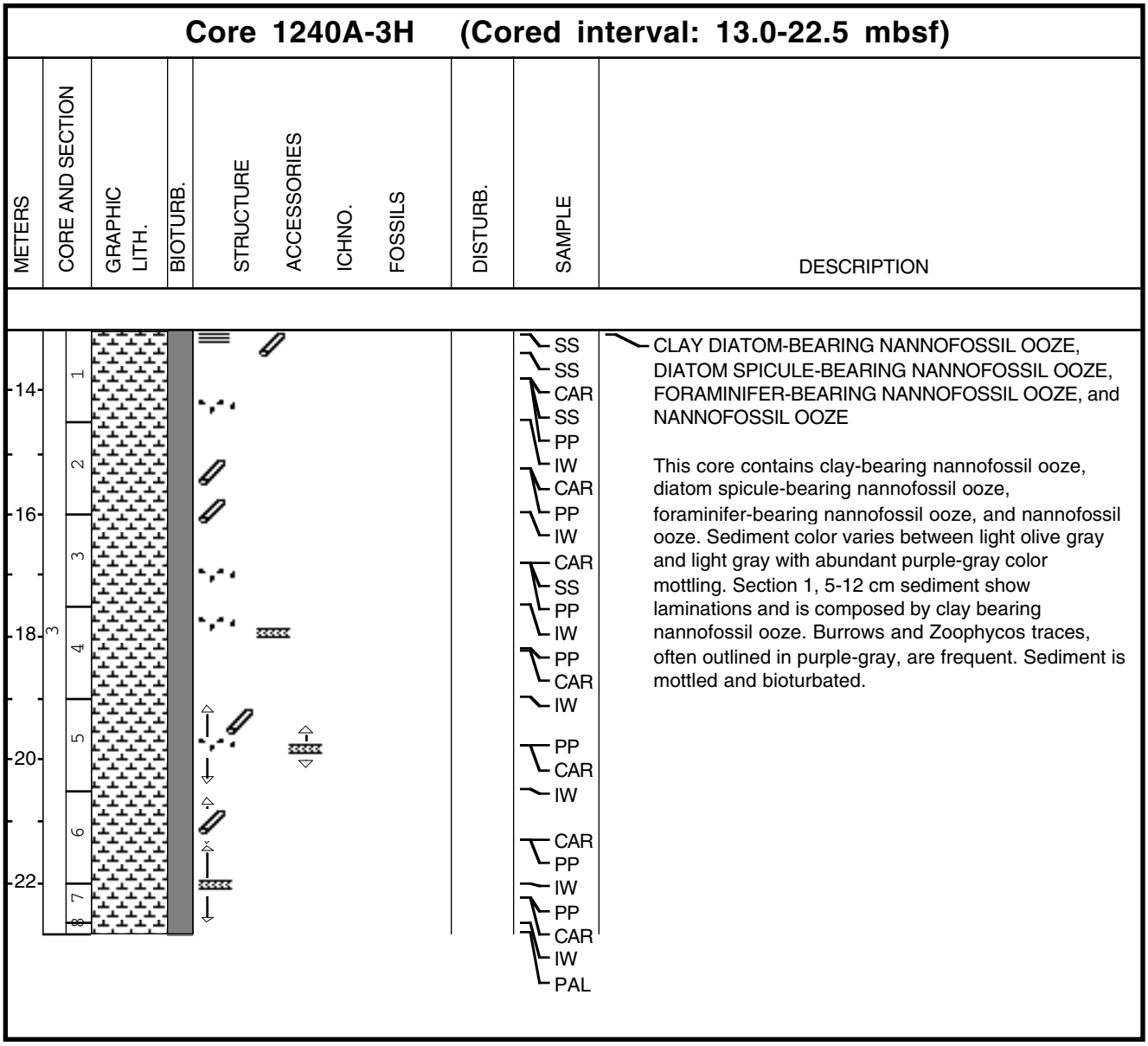
Core 1240A-1H (Cored interval: 0.0-3.5 mbsf)

METERS	CORE AND SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
2	1 1 2 3 4								SS SS SS CAR PP IW PP SS CAR IW PP CAR IW PAL	DIATOM-BEARING NANNOFOSSIL OOZE and CLAY-BEARING NANNOFOSSIL OOZE This core is dominated by dark olive brown to pale olive, grayish olive, and light olive brown diatom-bearing nannofossil ooze and clay-bearing nannofossil ooze. Color mottled and black spots are frequent throughout the core and few vertical burrows are also present. Foraminifers are visible throughout the surface of the core. The top 50cm is very soupy.

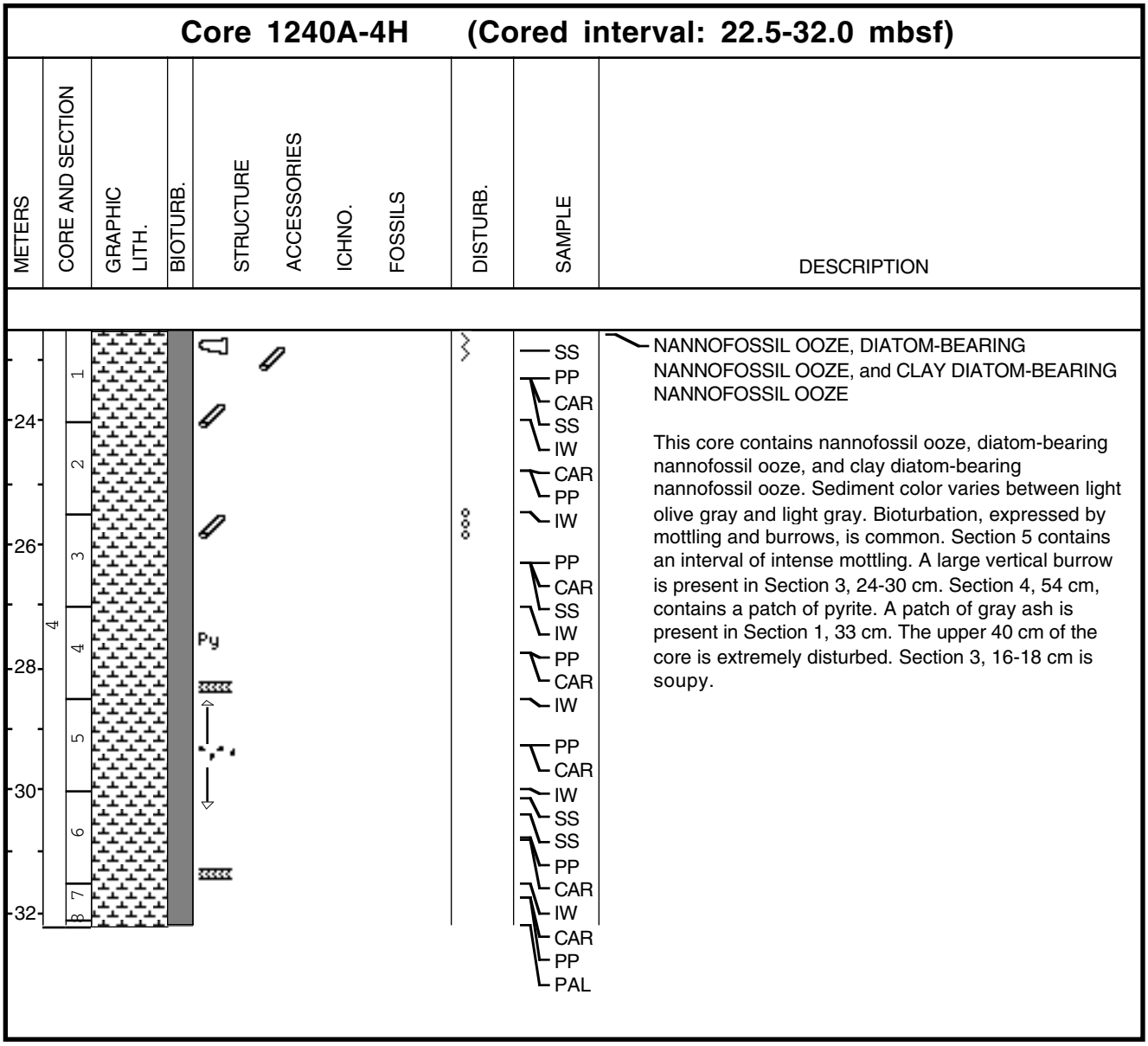
Core Photo


Core 1240A-2H (Cored interval: 3.5-13.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
4
6
8
10
12
1
2
3
4
5
6
7
2
SS
CAR
PP
IW
PP
CAR
IW
PP
SS
CAR
IW
PP
CAR
IW
SS
PP
CAR
IW
PP
CAR
IW
PAL
DIATOM-BEARING NANNOFOSSIL OOZE, CLAY
DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains diatom-bearing nannofossil ooze, clay diatom foraminifer-bearing nannofossil ooze, and nannofossil ooze. Sediment color varies between olive, pale olive and light olive gray. Mottles and burrows, including Zoophycos traces, are common. The mottling and often the outer rim of burrows is purple-gray in color. Shell fragments are present in Sections 2 and 6, including gastropods. The upper 50 cm are soupy.

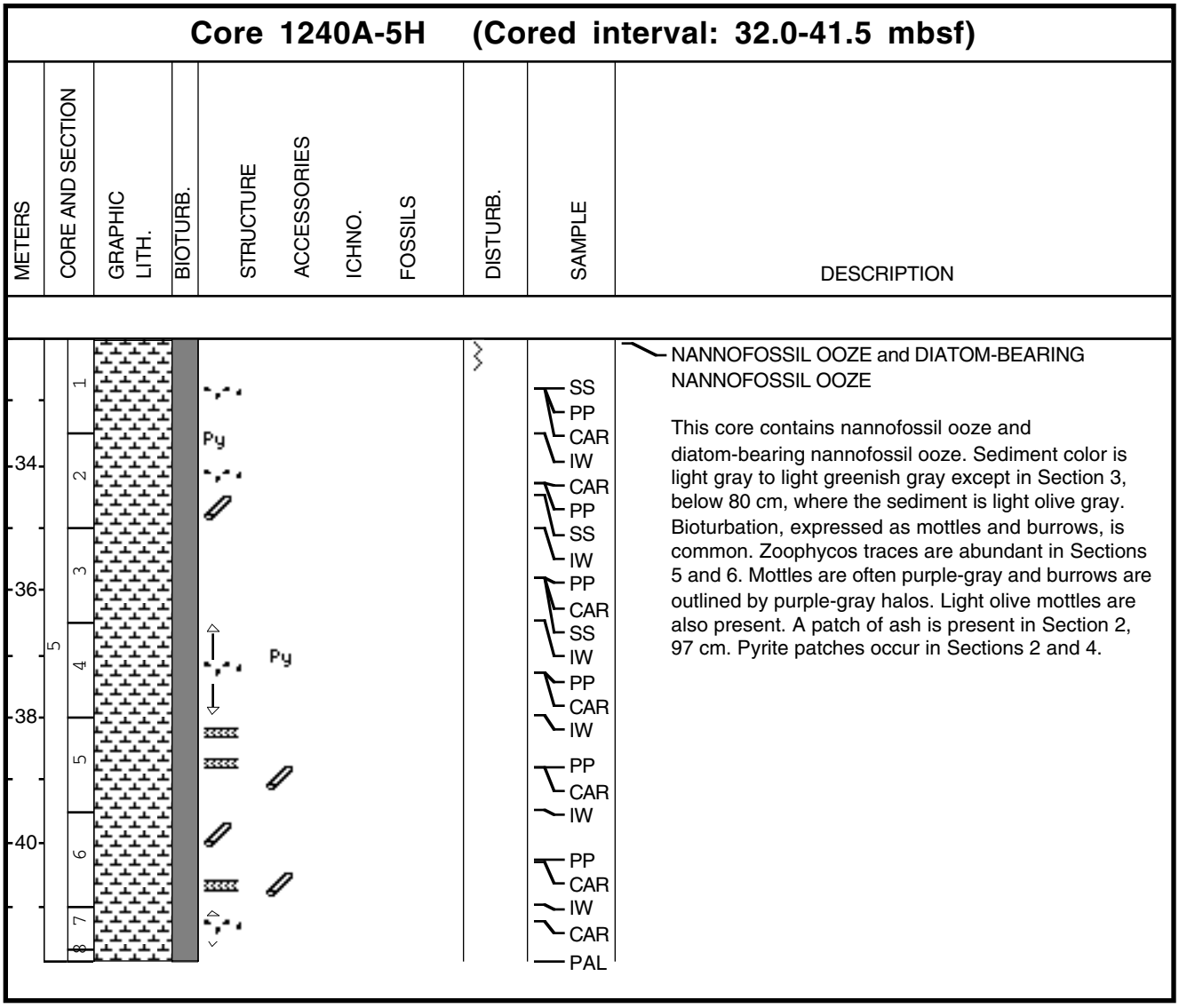
Core Photo


Core 1240A-3H (Cored interval: 13.0-22.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
14
16
18
20
22
3
1
2
3
4
5
6
7
SS
SS
CAR
SS
PP
IW
CAR
PP
IW
CAR
SS
PP
IW
PP
CAR
IW
PP
CAR
IW
CAR
PP
IW
PP
CAR
IW
PAL
CLAY DIATOM-BEARING NANNOFOSSIL OOZE, DIATOM SPICULE-BEARING NANNOFOSSIL OOZE, FORAMINIFER-BEARING NANNOFOSSIL OOZE, and NANNOFOSSIL OOZE
This core contains clay-bearing nannofossil ooze, diatom spicule-bearing nannofossil ooze, foraminifer-bearing nannofossil ooze, and nannofossil ooze. Sediment color varies between light olive gray and light gray with abundant purple-gray color mottling. Section 1, 5-12 cm sediment show laminations and is composed by clay bearing nannofossil ooze. Burrows and Zoophycos traces, often outlined in purple-gray, are frequent. Sediment is mottled and bioturbated.

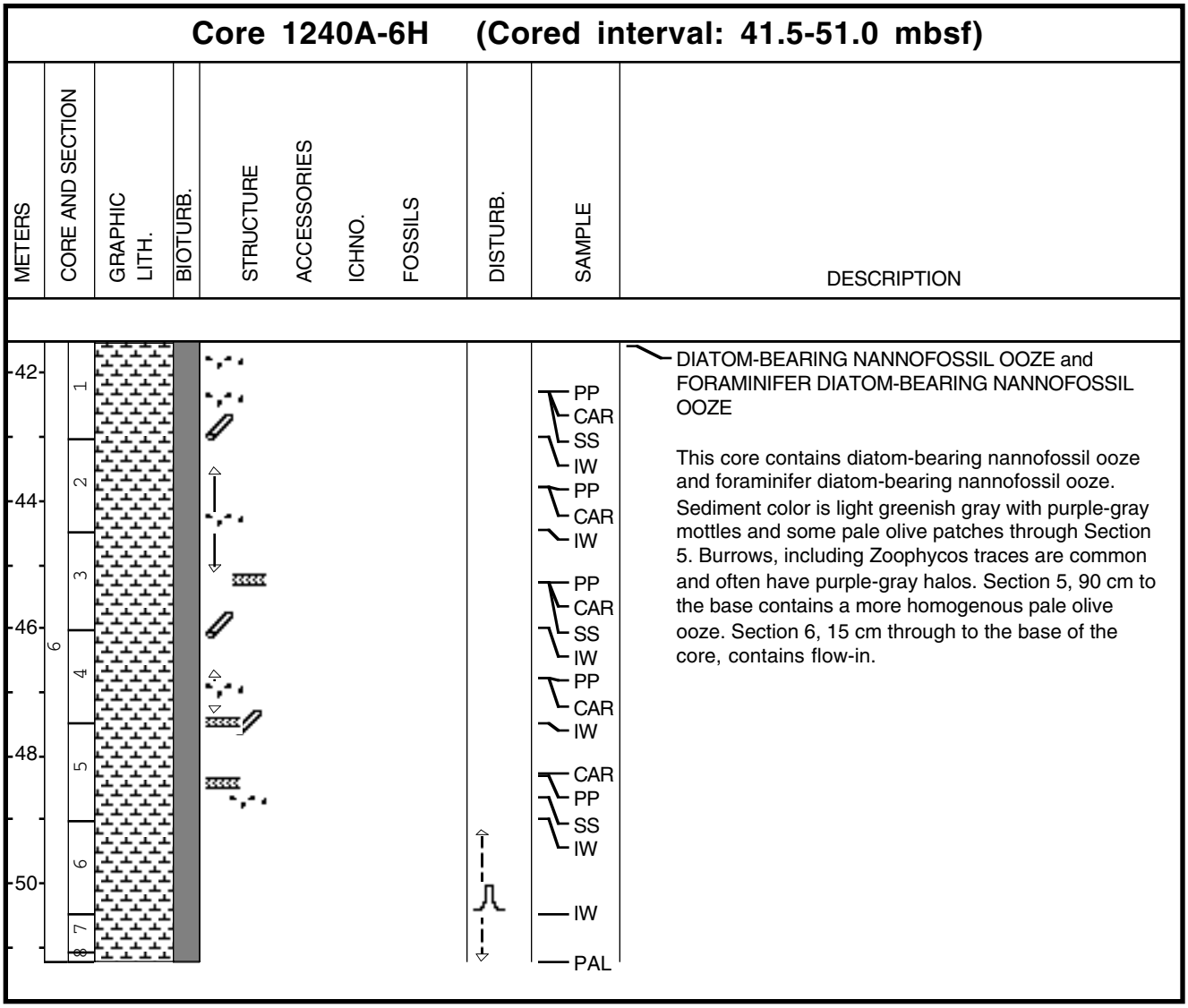
Core Photo


Core 1240A-4H (Cored interval: 22.5-32.0 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
CC
Py
SS
PP
CAR
SS
IW
CAR
PP
IW
PP
CAR
SS
IW
PP
CAR
IW
PP
CAR
IW
SS
SS
PP
CAR
IW
CAR
PP
PAL
NANNOFOSSIL OOZE, DIATOM-BEARING NANNOFOSSIL OOZE, and CLAY DIATOM-BEARING NANNOFOSSIL OOZE
This core contains nannofossil ooze, diatom-bearing nannofossil ooze, and clay diatom-bearing nannofossil ooze. Sediment color varies between light olive gray and light gray. Bioturbation, expressed by mottling and burrows, is common. Section 5 contains an interval of intense mottling. A large vertical burrow is present in Section 3, 24-30 cm. Section 4, 54 cm, contains a patch of pyrite. A patch of gray ash is present in Section 1, 33 cm. The upper 40 cm of the core is extremely disturbed. Section 3, 16-18 cm is soupy.

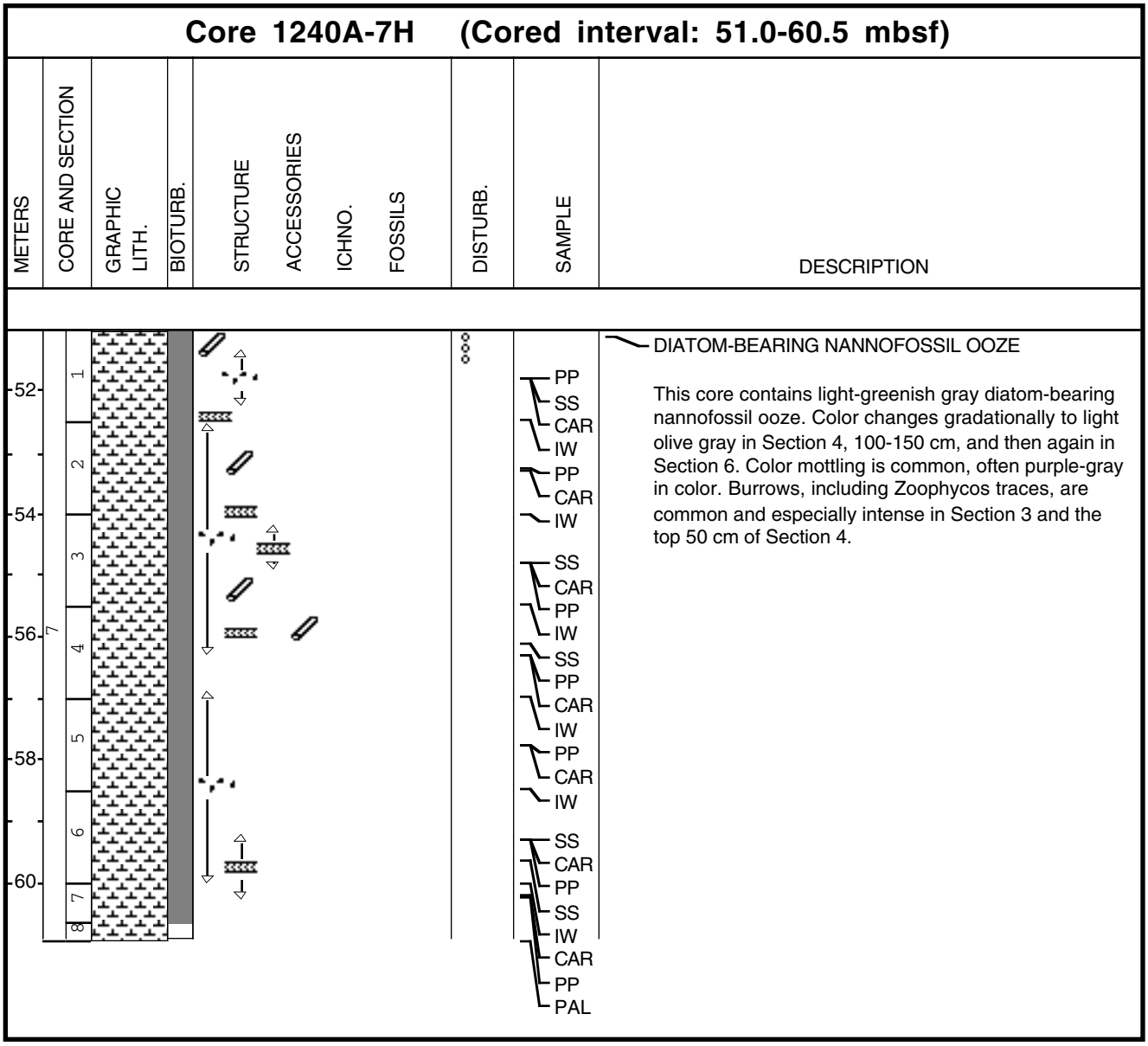
Core Photo


Core 1240A-5H (Cored interval: 32.0-41.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
34
36
38
40
5
1
2
3
4
5
6
7
Py
Py
SS
PP
CAR
IW
CAR
PP
SS
IW
PP
CAR
SS
IW
PP
CAR
IW
PP
CAR
IW
PP
CAR
IW
CAR
PAL
NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains nannofossil ooze and diatom-bearing nannofossil ooze. Sediment color is light gray to light greenish gray except in Section 3, below 80 cm, where the sediment is light olive gray. Bioturbation, expressed as mottles and burrows, is common. Zoophycos traces are abundant in Sections 5 and 6. Mottles are often purple-gray and burrows are outlined by purple-gray halos. Light olive mottles are also present. A patch of ash is present in Section 2, 97 cm. Pyrite patches occur in Sections 2 and 4.

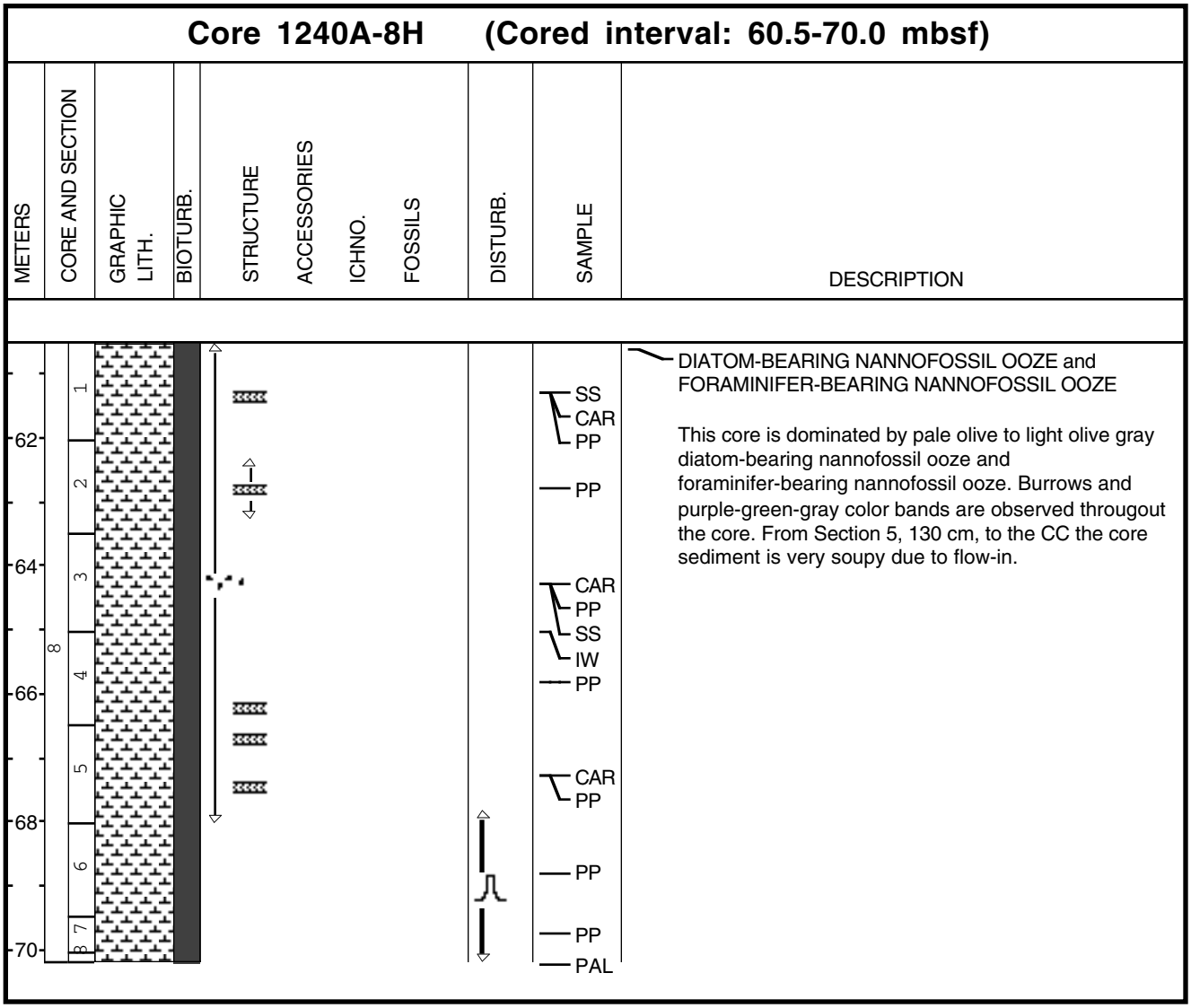
Core Photo


Core 1240A-6H (Cored interval: 41.5-51.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
42
44
46
48
50
6
1
2
3
4
5
6
7
8
PP
CAR
SS
IW
PP
CAR
IW
PP
CAR
SS
IW
PP
CAR
IW
CAR
PP
SS
IW
IW
PAL
DIATOM-BEARING NANNOFOSSIL OOZE and FORAMINIFER DIATOM-BEARING NANNOFOSSIL OOZE
This core contains diatom-bearing nannofossil ooze and foraminifer diatom-bearing nannofossil ooze. Sediment color is light greenish gray with purple-gray mottles and some pale olive patches through Section 5. Burrows, including Zoophycos traces are common and often have purple-gray halos. Section 5, 90 cm to the base contains a more homogenous pale olive ooze. Section 6, 15 cm through to the base of the core, contains flow-in.

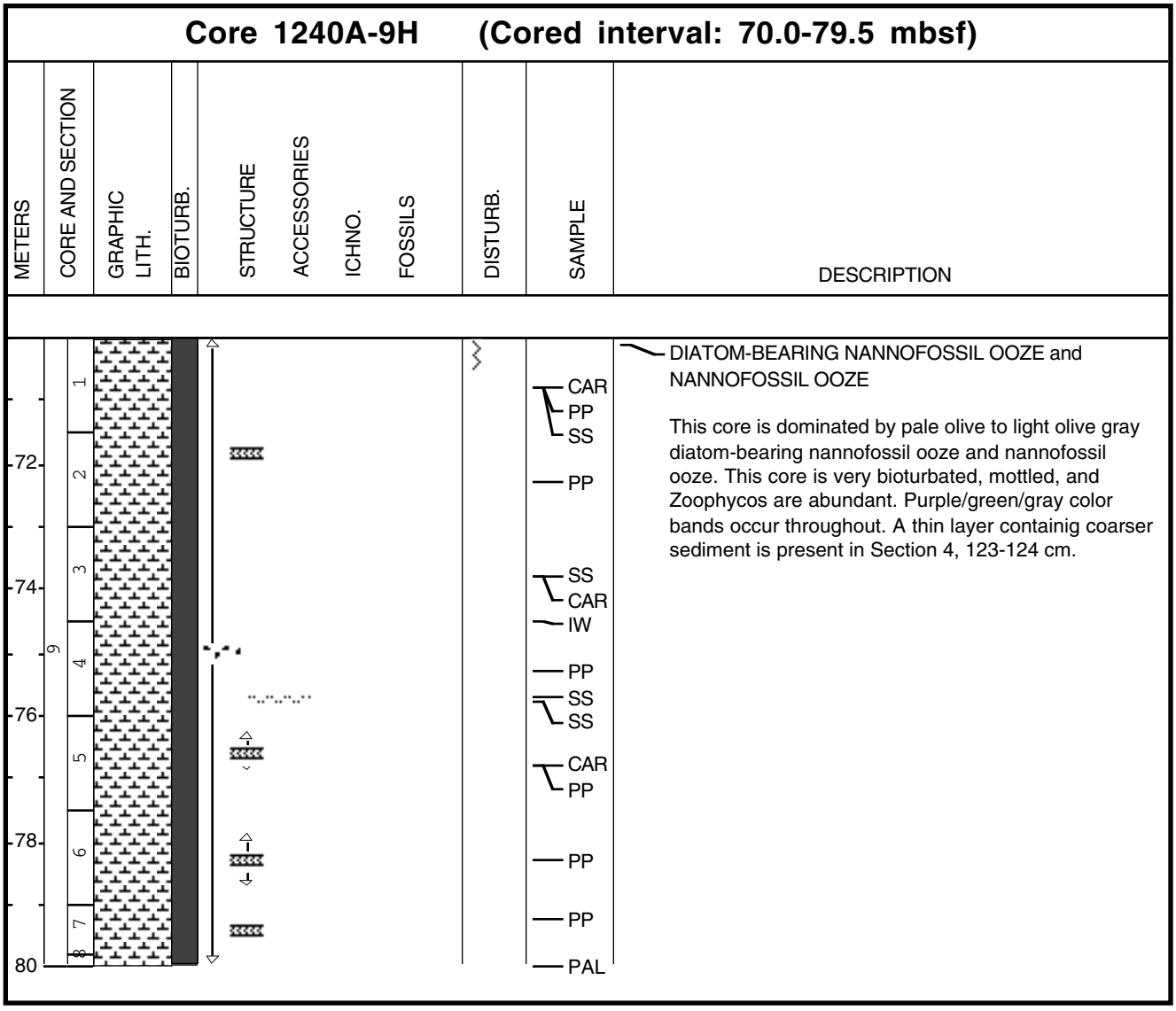
Core Photo


Core 1240A-7H (Cored interval: 51.0-60.5 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
PP
SS
CAR
IW
PP
CAR
IW
SS
CAR
PP
IW
SS
PP
CAR
IW
PP
CAR
IW
SS
CAR
PP
SS
IW
CAR
PP
PAL
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains light-greenish gray diatom-bearing nannofossil ooze. Color changes gradationally to light olive gray in Section 4, 100-150 cm, and then again in Section 6. Color mottling is common, often purple-gray in color. Burrows, including Zoophycos traces, are common and especially intense in Section 3 and the top 50 cm of Section 4.

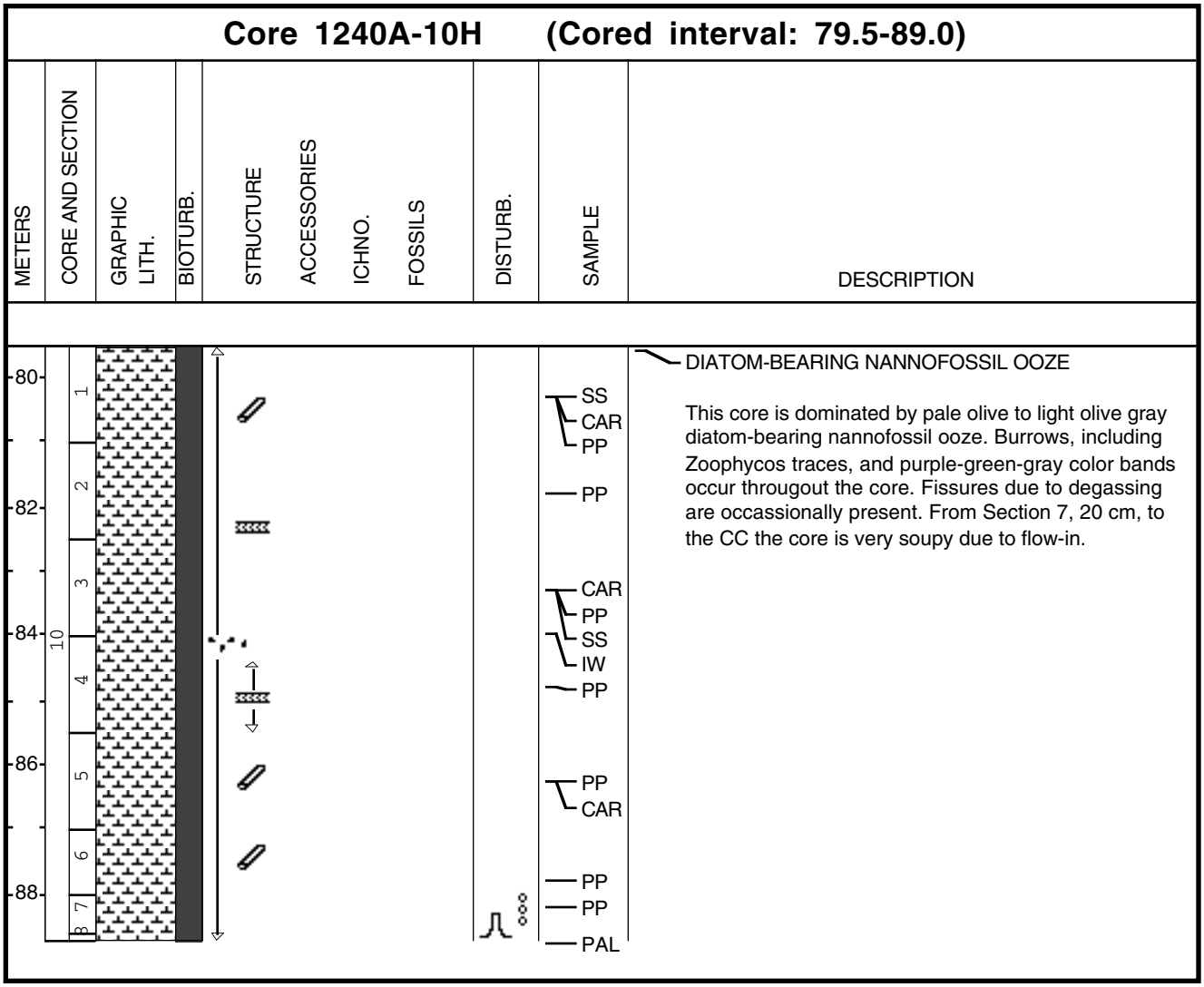
Core Photo


Core 1240A-8H (Cored interval: 60.5-70.0 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
SS
CAR
PP
PP
CAR
PP
SS
IW
PP
CAR
PP
PP
PP
PAL
DIATOM-BEARING NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE
This core is dominated by pale olive to light olive gray diatom-bearing nannofossil ooze and foraminifer-bearing nannofossil ooze. Burrows and purple-green-gray color bands are observed througout the core. From Section 5, 130 cm, to the CC the core sediment is very soupy due to flow-in.

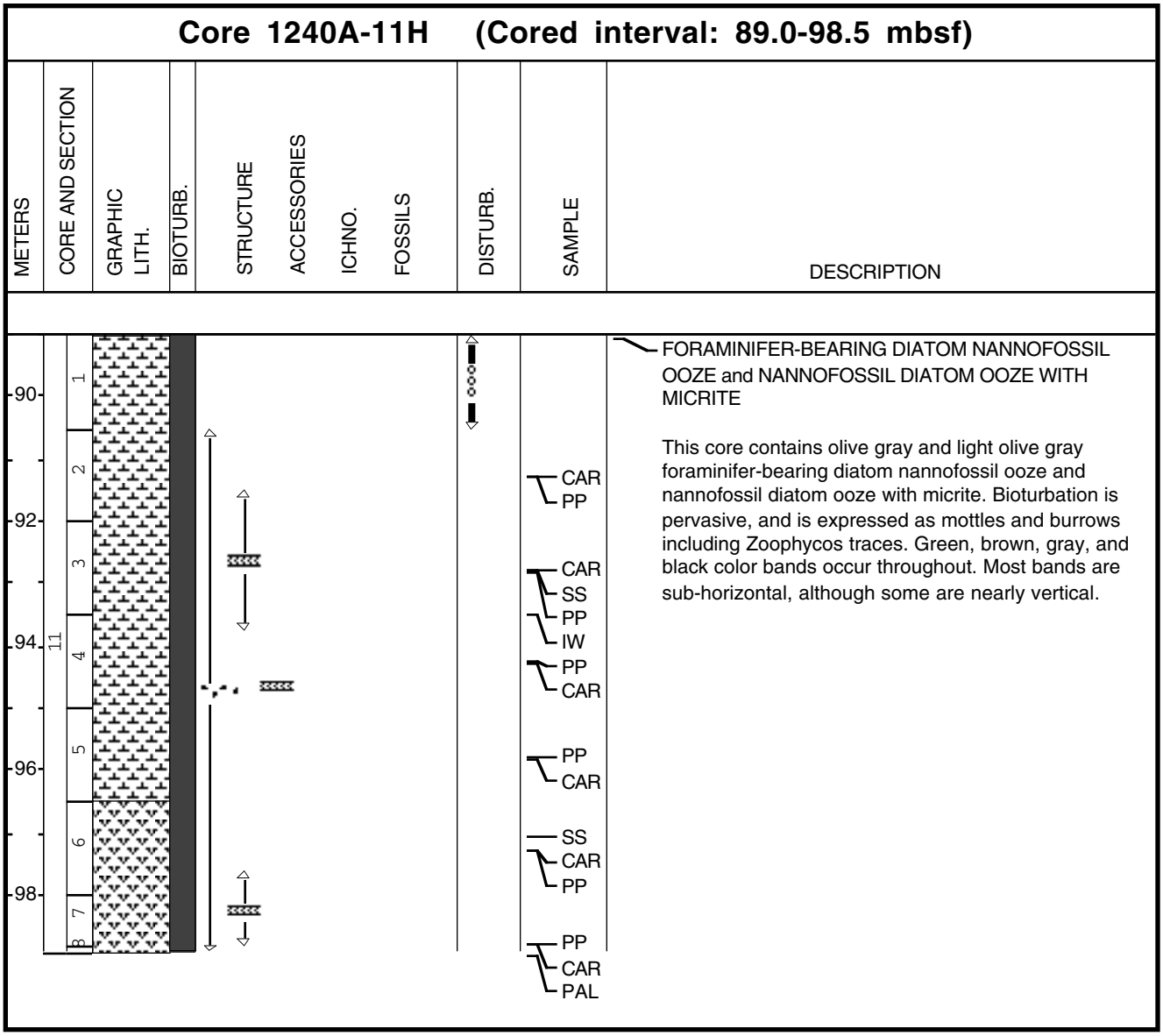
Core Photo


Core 1240A-9H (Cored interval: 70.0-79.5 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
CAR
PP
SS
PP
SS
CAR
IW
PP
SS
SS
CAR
PP
PP
PP
PAL
DIATOM-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core is dominated by pale olive to light olive gray diatom-bearing nannofossil ooze and nannofossil ooze. This core is very bioturbated, mottled, and Zoophycos are abundant. Purple/green/gray color bands occur throughout. A thin layer containig coarser sediment is present in Section 4, 123-124 cm.

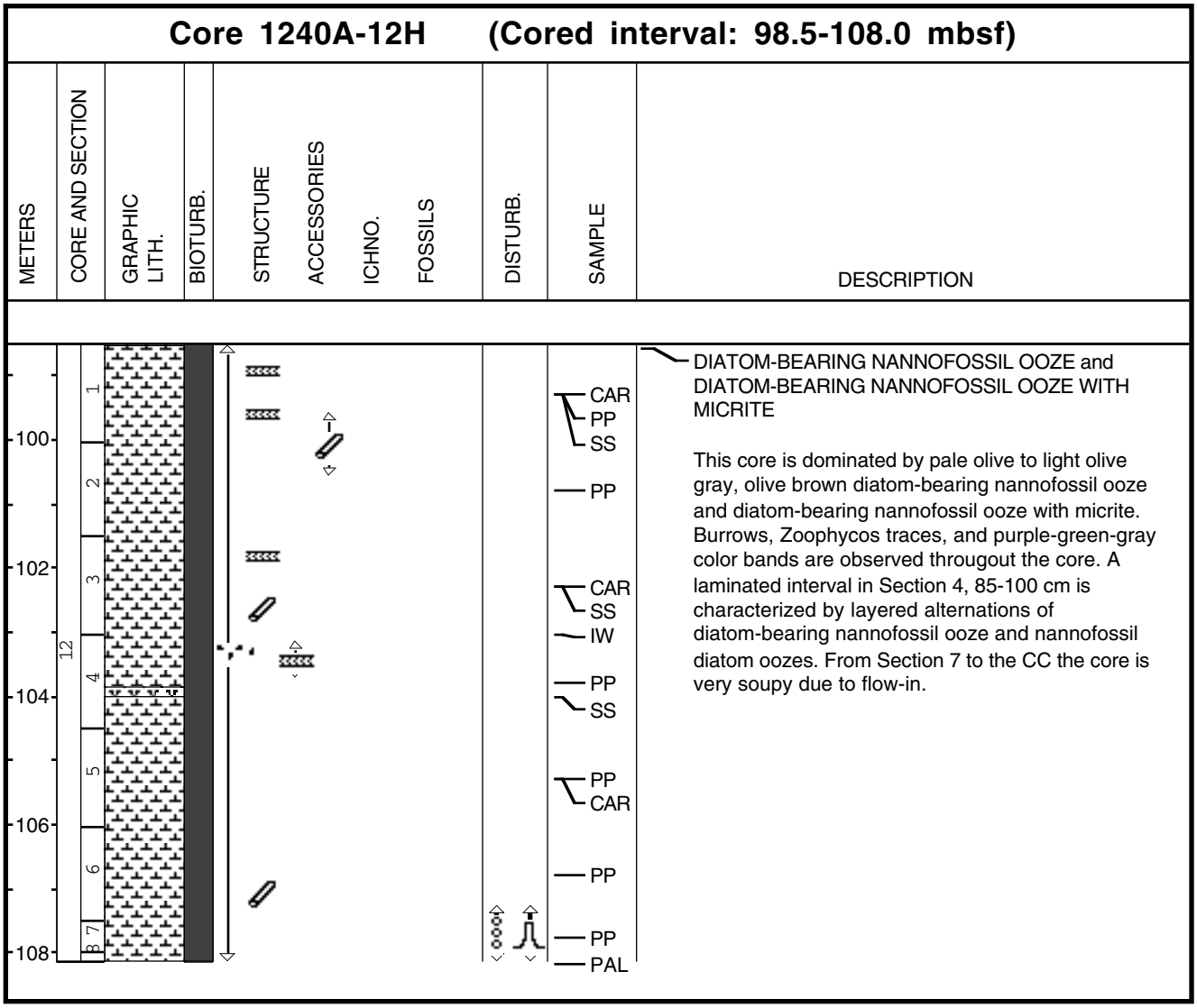
Core Photo


Core 1240A-10H (Cored interval: 79.5-89.0)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
80
82
84
86
88
10
1
2
3
4
5
6
7
CC
SS
CAR
PP
PP
CAR
PP
SS
IW
PP
PP
CAR
PP
PP
PAL
DIATOM-BEARING NANNOFOSSIL OOZE
This core is dominated by pale olive to light olive gray diatom-bearing nannofossil ooze. Burrows, including Zoophycos traces, and purple-green-gray color bands occur througout the core. Fissures due to degassing are occassionally present. From Section 7, 20 cm, to the CC the core is very soupy due to flow-in.

Core Photo

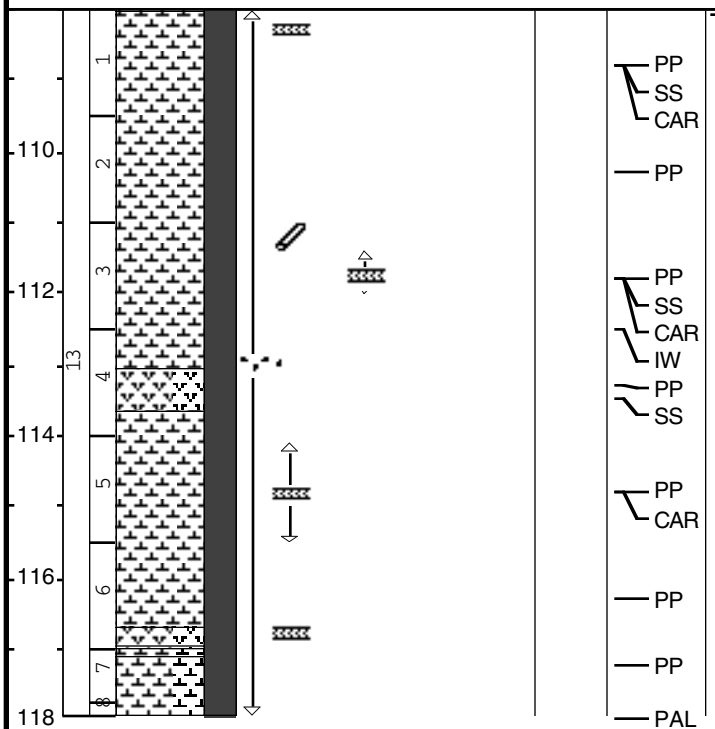

Core 1240A-11H (Cored interval: 89.0-98.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
90
92
94
96
98
11
1
2
3
4
5
6
7
CC
CAR
PP
CAR
SS
PP
IW
PP
CAR
PP
CAR
SS
CAR
PP
PP
CAR
PAL
FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE and NANNOFOSSIL DIATOM OOZE WITH MICRITE
This core contains olive gray and light olive gray foraminifer-bearing diatom nannofossil ooze and nannofossil diatom ooze with micrite. Bioturbation is pervasive, and is expressed as mottles and burrows including Zoophycos traces. Green, brown, gray, and black color bands occur throughout. Most bands are sub-horizontal, although some are nearly vertical.

Core Photo


Core 1240A-12H (Cored interval: 98.5-108.0 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
B
CAR
PP
SS
PP
CAR
SS
IW
PP
SS
PP
CAR
PP
PP
PAL
DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE WITH MICRITE
This core is dominated by pale olive to light olive gray, olive brown diatom-bearing nannofossil ooze and diatom-bearing nannofossil ooze with micrite. Burrows, Zoophycos traces, and purple-green-gray color bands are observed througout the core. A laminated interval in Section 4, 85-100 cm is characterized by layered alternations of diatom-bearing nannofossil ooze and nannofossil diatom oozes. From Section 7 to the CC the core is very soupy due to flow-in.

Core Photo

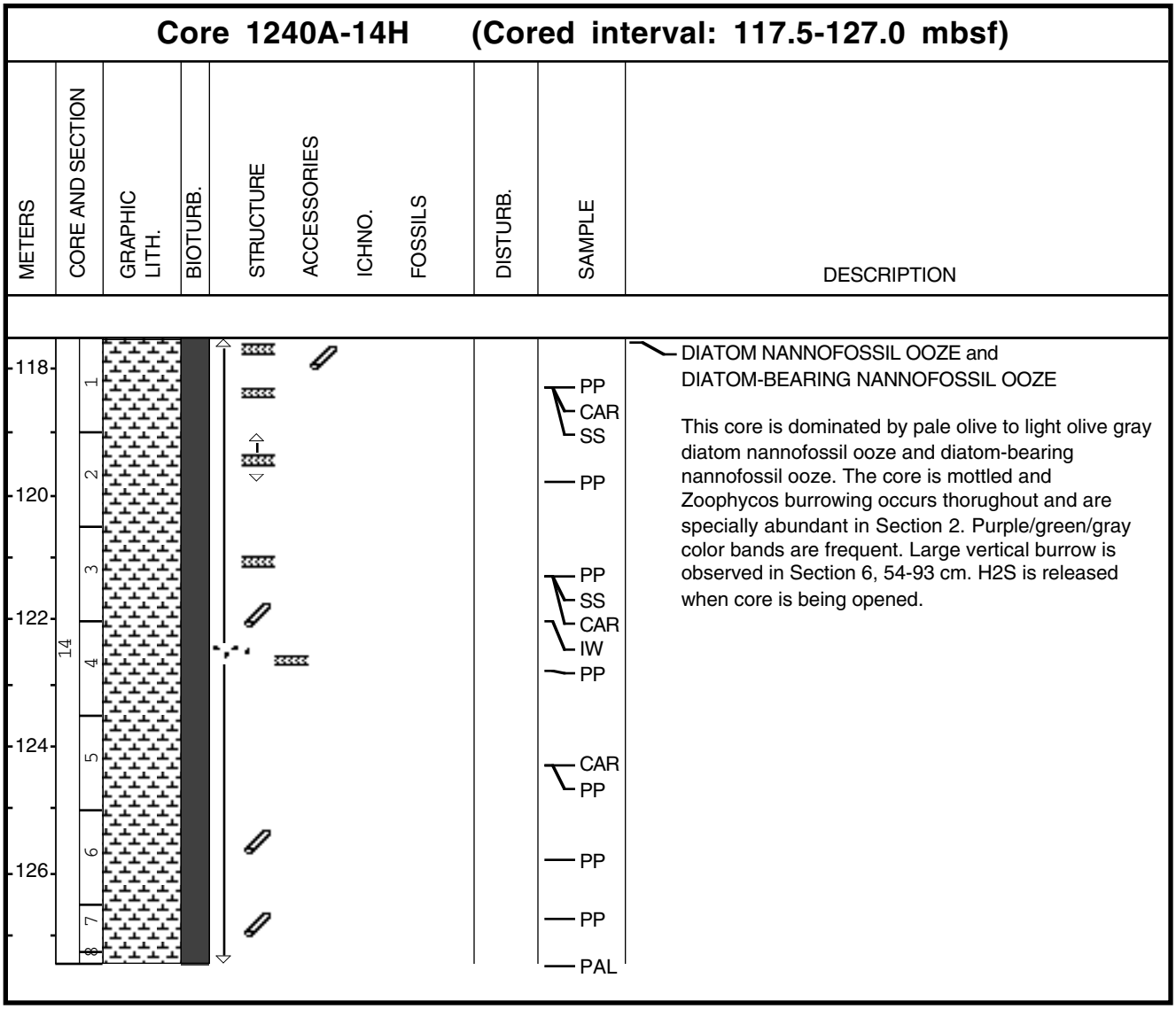
Core 1240A-13H (Cored interval: 108.0-117.5 mbsf)



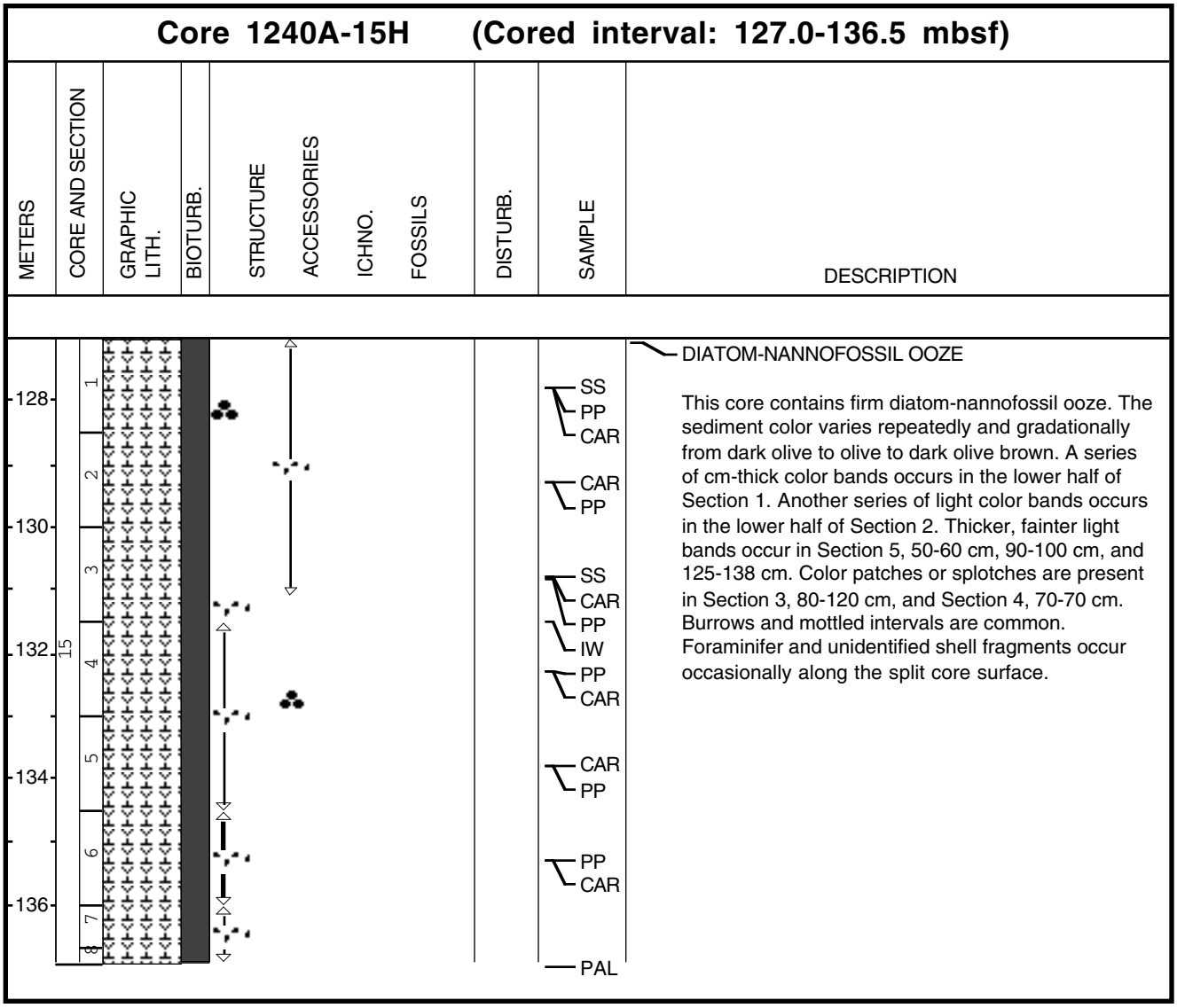
DIATOM NANNOFOSSIL OOZE

This core is dominated by pale olive to light olive gray diatom nannofossil ooze. In Sections 4 and 6, the core contains darker olive brown layers composed by clay-bearing nannofossil diatom ooze. The core is mottled and contains Zoophycos burrowing thorughout and is characterized by the presence of abundant purple/green/gray color bands. H2S is released when core is being opened.

Core Photo

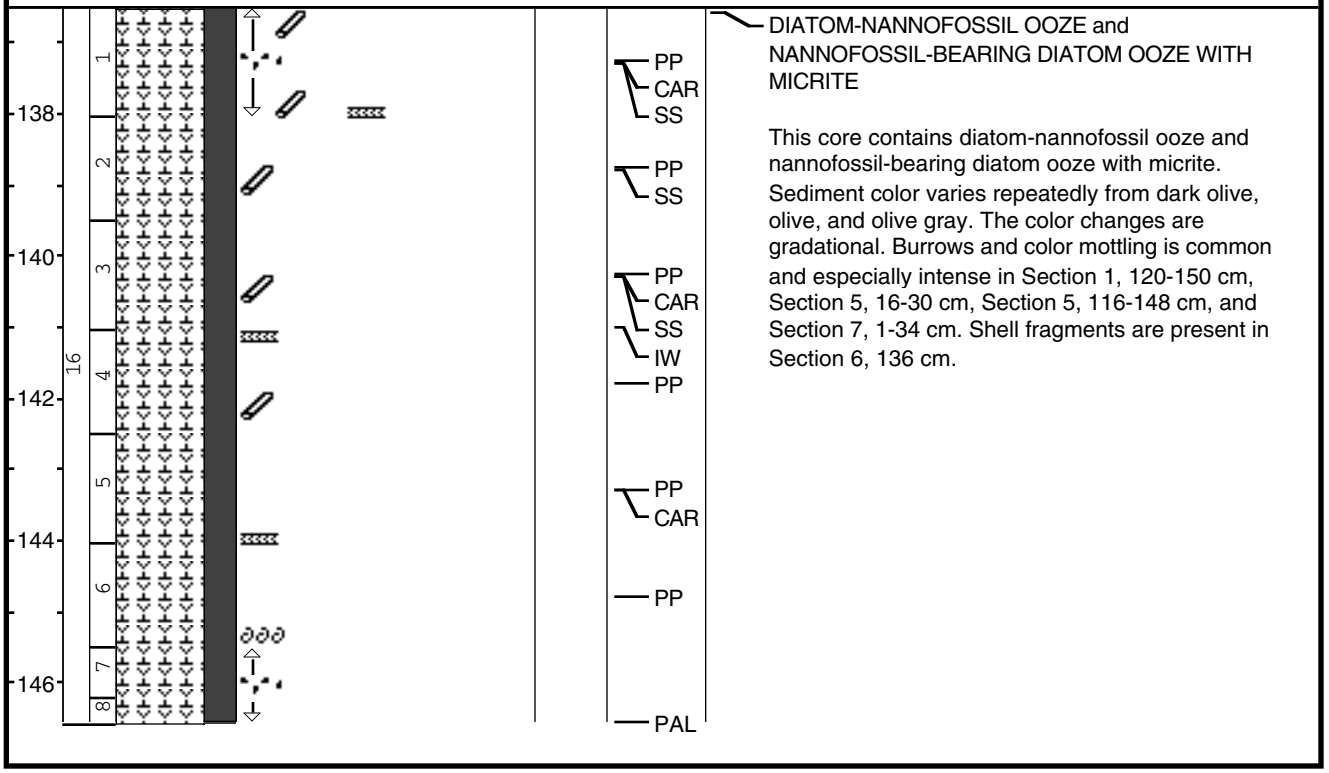

Core 1240A-14H (Cored interval: 117.5-127.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
118
120
122
124
126
14
1
2
3
4
5
6
7
8
PP
CAR
SS
PP
PP
SS
CAR
IW
PP
CAR
PP
PP
PP
PAL
DIATOM NANNOFOSSIL OOZE and
DIATOM-BEARING NANNOFOSSIL OOZE
This core is dominated by pale olive to light olive gray diatom nannofossil ooze and diatom-bearing nannofossil ooze. The core is mottled and Zoophycos burrowing occurs thorughout and are specially abundant in Section 2. Purple/green/gray color bands are frequent. Large vertical burrow is observed in Section 6, 54-93 cm. H2S is released when core is being opened.

Core Photo

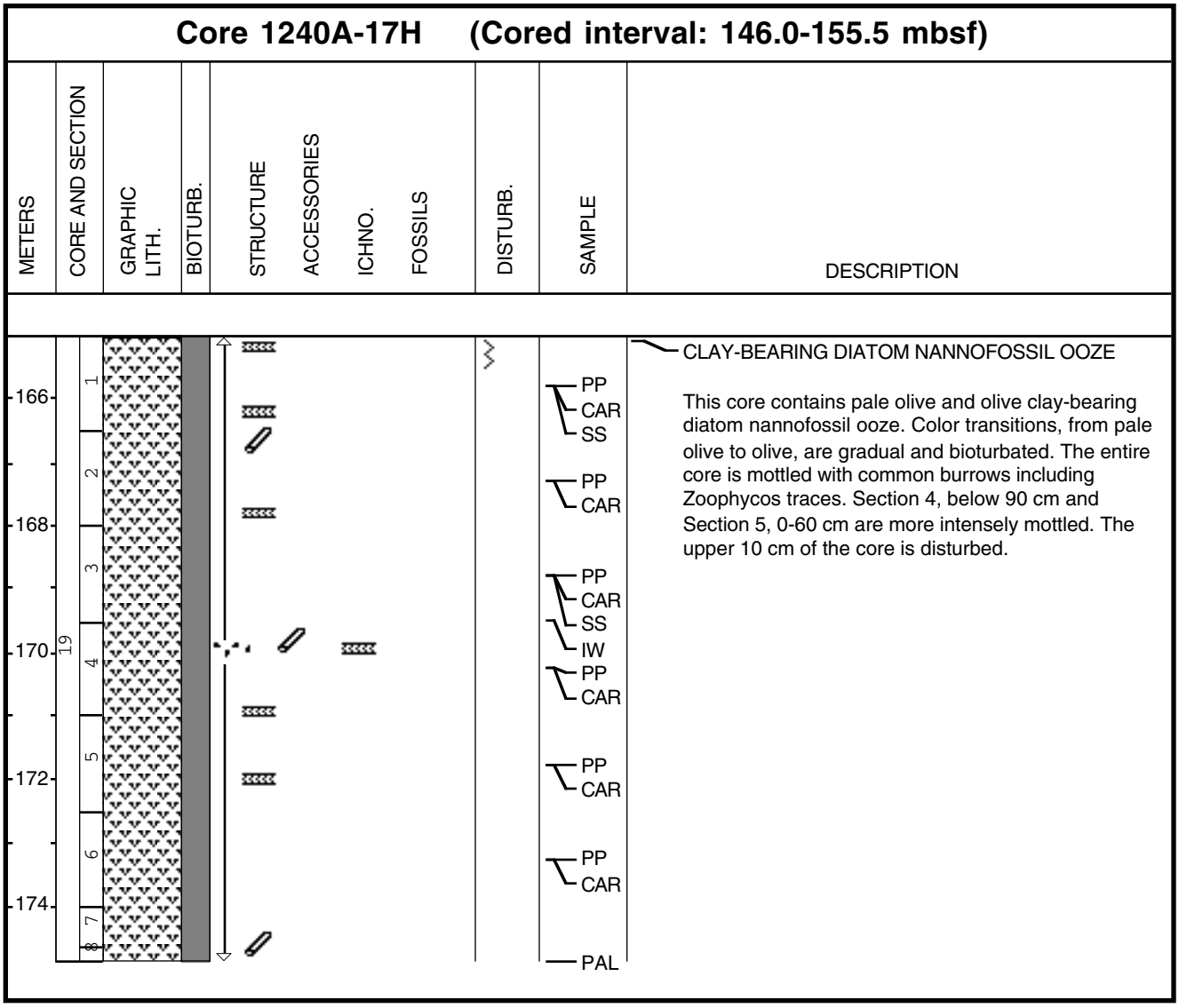

Core 1240A-15H (Cored interval: 127.0-136.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
128
130
132
134
136
15
1
2
3
4
5
6
7
8
SS
PP
CAR
CAR
PP
SS
CAR
PP
IW
PP
CAR
CAR
PP
PP
CAR
PAL
DIATOM-NANNOFOSSIL OOZE
This core contains firm diatom-nannofossil ooze. The sediment color varies repeatedly and gradationally from dark olive to olive to dark olive brown. A series of cm-thick color bands occurs in the lower half of Section 1. Another series of light color bands occurs in the lower half of Section 2. Thicker, fainter light bands occur in Section 5, 50-60 cm, 90-100 cm, and 125-138 cm. Color patches or splotches are present in Section 3, 80-120 cm, and Section 4, 70-70 cm. Burrows and mottled intervals are common. Foraminifer and unidentified shell fragments occur occasionally along the split core surface.

Core Photo

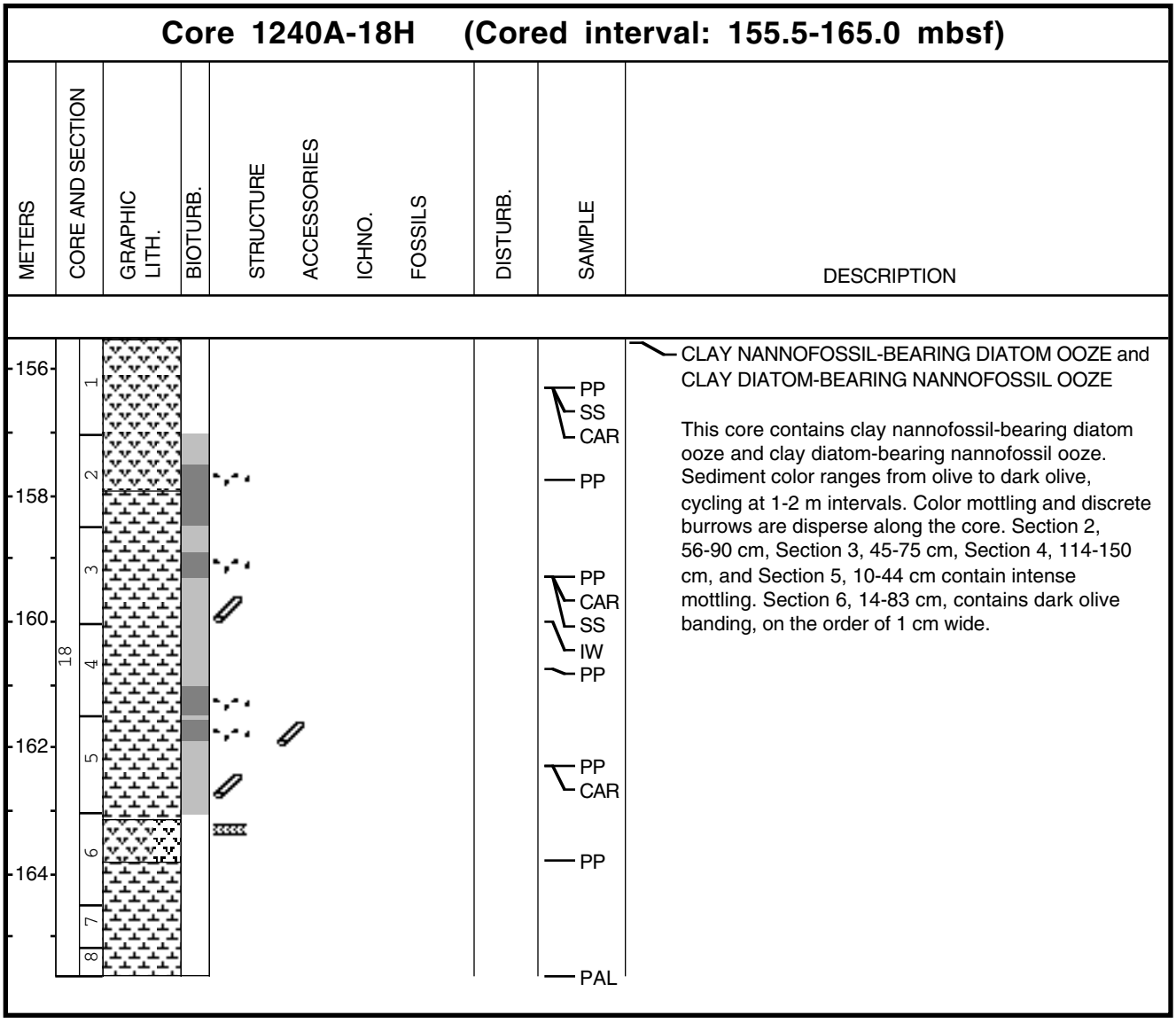
Core 1240A-16H (Cored interval: 136.5-146.0 mbsf)



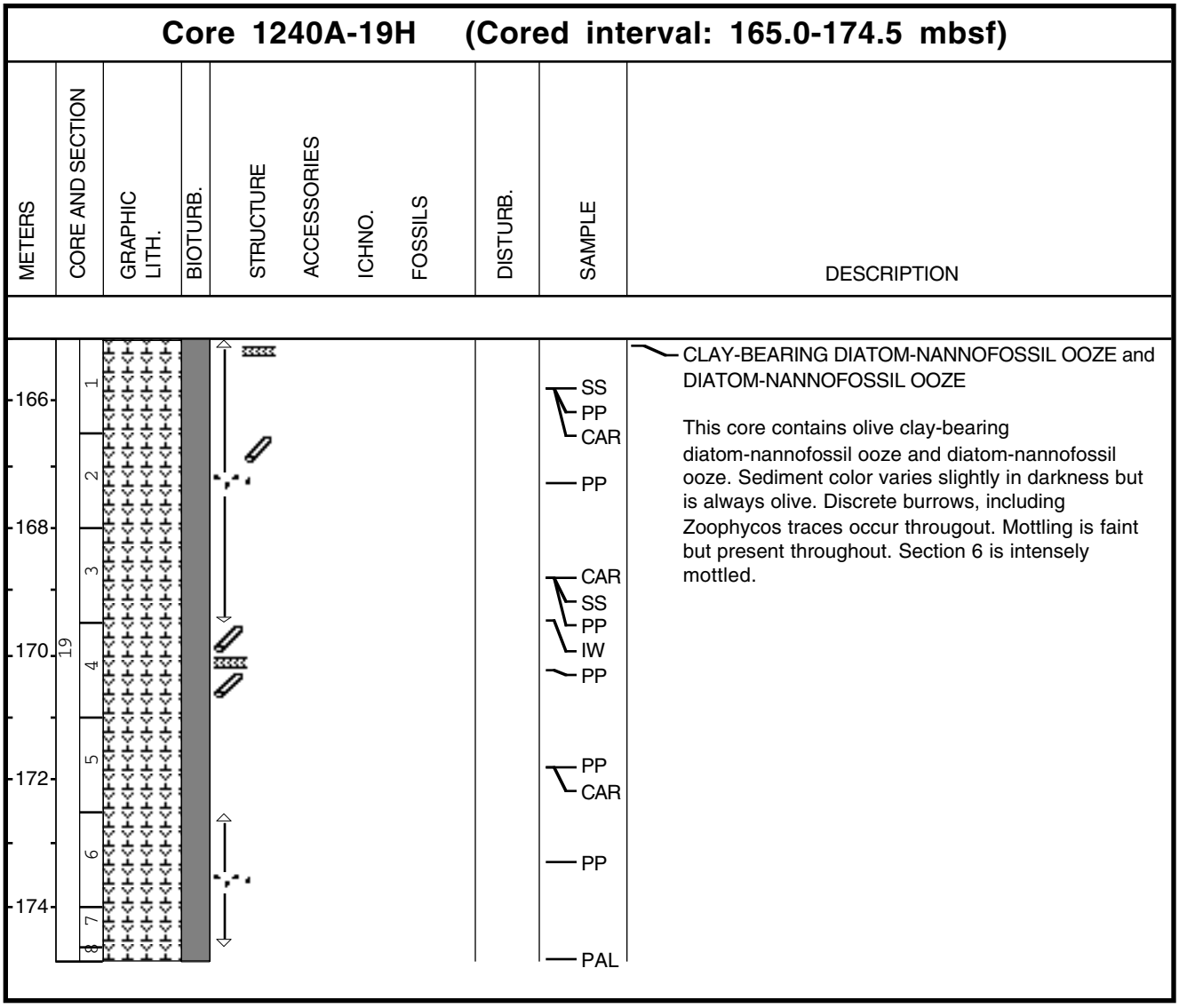
Core Photo


Core 1240A-17H (Cored interval: 146.0-155.5 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
8
PP
CAR
SS
PP
CAR
PP
CAR
SS
IW
PP
CAR
PP
CAR
PP
CAR
PAL
CLAY-BEARING DIATOM NANNOFOSSIL OOZE
This core contains pale olive and olive clay-bearing diatom nannofossil ooze. Color transitions, from pale olive to olive, are gradual and bioturbated. The entire core is mottled with common burrows including Zoophycos traces. Section 4, below 90 cm and Section 5, 0-60 cm are more intensely mottled. The upper 10 cm of the core is disturbed.

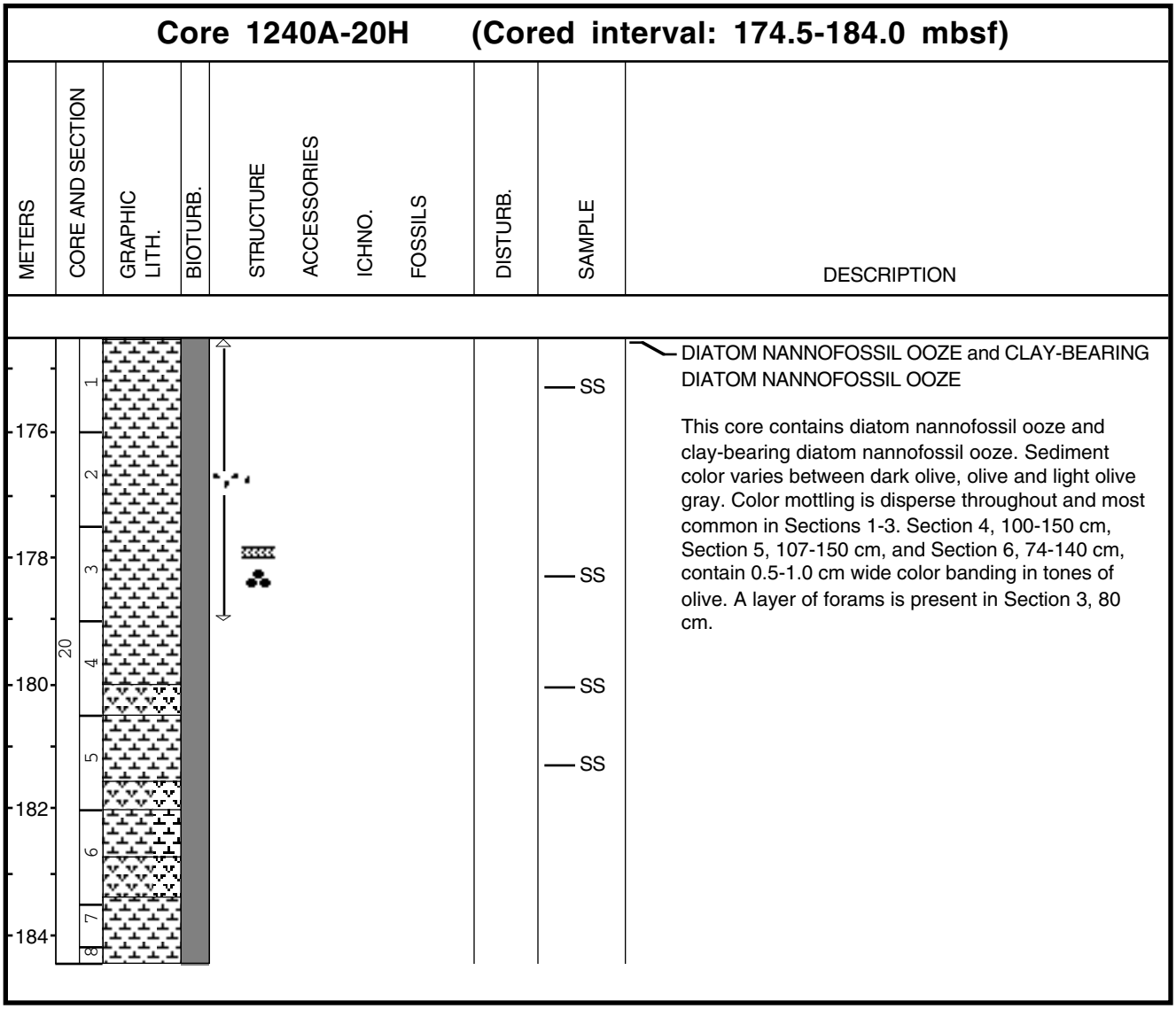
Core Photo


Core 1240A-18H (Cored interval: 155.5-165.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
156
158
160
162
164
18
1
2
3
4
5
6
7
8
PP
SS
CAR
PP
PP
CAR
SS
IW
PP
PP
CAR
PP
PAL
CLAY NANNOFOSSIL-BEARING DIATOM OOZE and CLAY DIATOM-BEARING NANNOFOSSIL OOZE
This core contains clay nannofossil-bearing diatom ooze and clay diatom-bearing nannofossil ooze. Sediment color ranges from olive to dark olive, cycling at 1-2 m intervals. Color mottling and discrete burrows are disperse along the core. Section 2, 56-90 cm, Section 3, 45-75 cm, Section 4, 114-150 cm, and Section 5, 10-44 cm contain intense mottling. Section 6, 14-83 cm, contains dark olive banding, on the order of 1 cm wide.

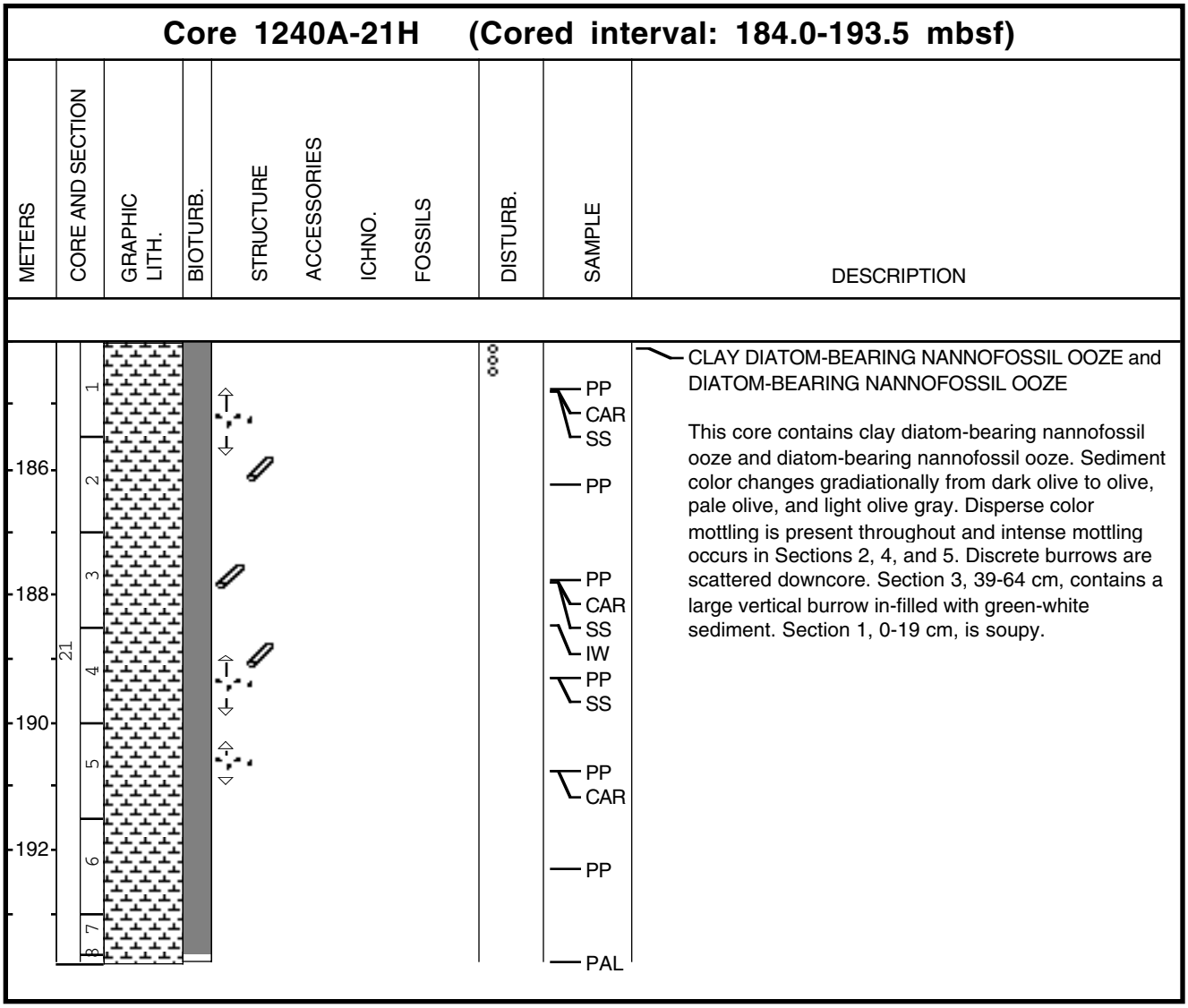
Core Photo


Core 1240A-19H (Cored interval: 165.0-174.5 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
8
SS
PP
CAR
PP
CAR
SS
PP
IW
PP
PP
CAR
PP
PAL
CLAY-BEARING DIATOM-NANNOFOSSIL OOZE and DIATOM-NANNOFOSSIL OOZE
This core contains olive clay-bearing diatom-nannofossil ooze and diatom-nannofossil ooze. Sediment color varies slightly in darkness but is always olive. Discrete burrows, including Zoophycos traces occur througout. Mottling is faint but present throughout. Section 6 is intensely mottled.

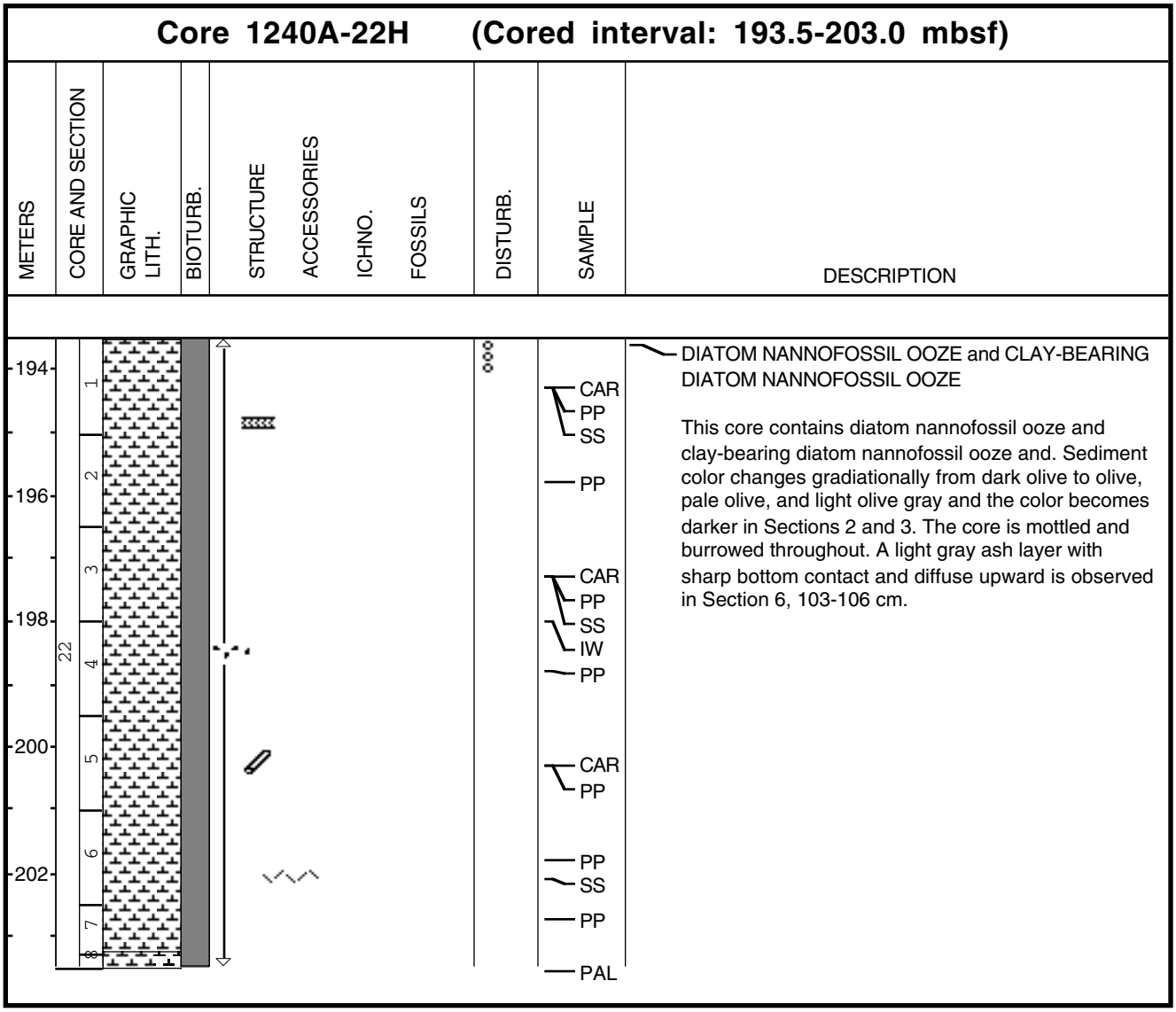
Core Photo


Core 1240A-20H (Cored interval: 174.5-184.0 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
SS
SS
SS
DIATOM NANNOFOSSIL OOZE and CLAY-BEARING DIATOM NANNOFOSSIL OOZE
This core contains diatom nannofossil ooze and clay-bearing diatom nannofossil ooze. Sediment color varies between dark olive, olive and light olive gray. Color mottling is disperse throughout and most common in Sections 1-3. Section 4, 100-150 cm, Section 5, 107-150 cm, and Section 6, 74-140 cm, contain 0.5-1.0 cm wide color banding in tones of olive. A layer of forams is present in Section 3, 80 cm.

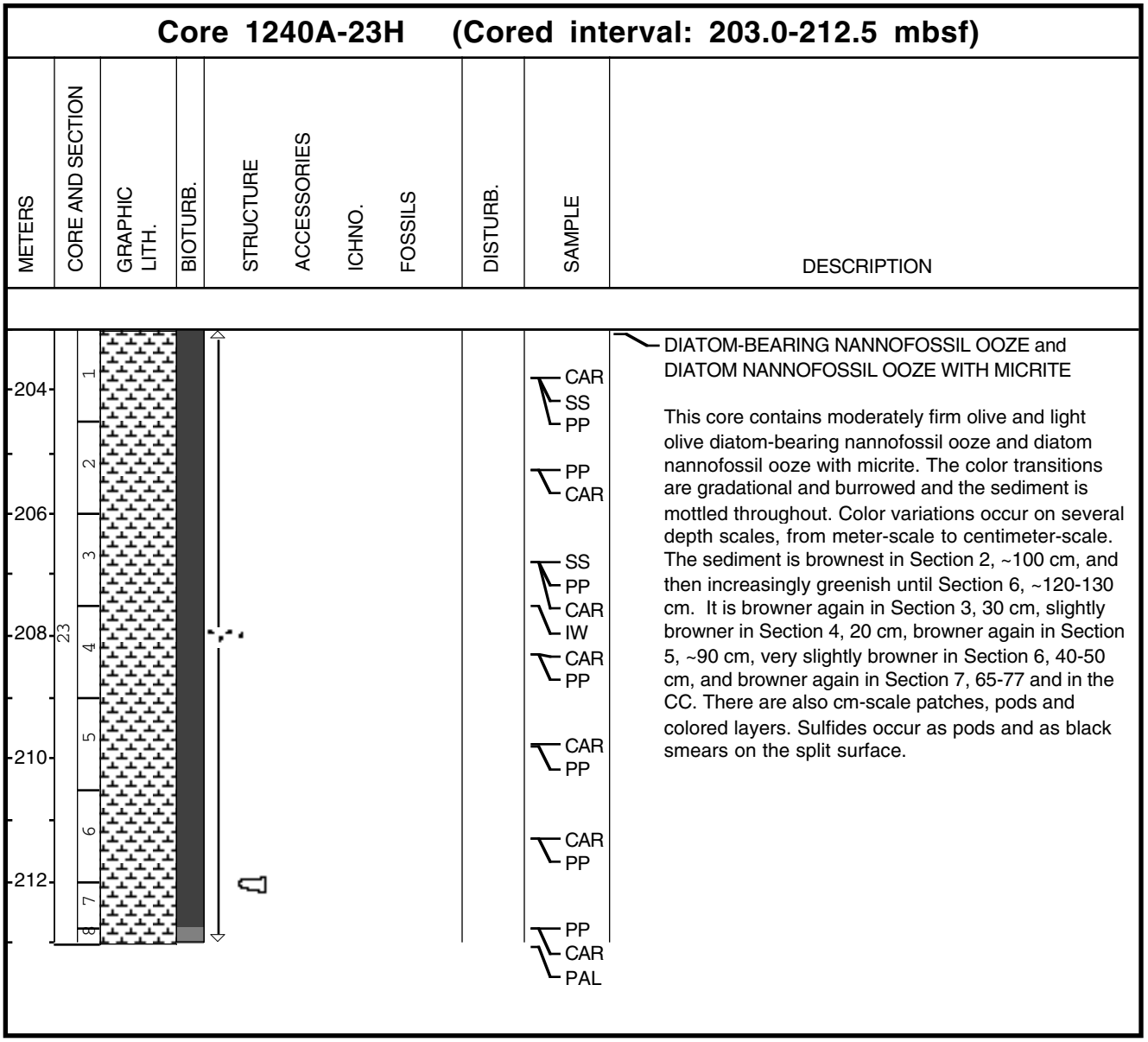
Core Photo


Core 1240A-21H (Cored interval: 184.0-193.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
186
188
190
192
21
1
2
3
4
5
6
7
CC
PP
CAR
SS
PP
PP
CAR
SS
IW
PP
SS
PP
CAR
PP
PAL
CLAY DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains clay diatom-bearing nannofossil ooze and diatom-bearing nannofossil ooze. Sediment color changes gradiationally from dark olive to olive, pale olive, and light olive gray. Disperse color mottling is present throughout and intense mottling occurs in Sections 2, 4, and 5. Discrete burrows are scattered downcore. Section 3, 39-64 cm, contains a large vertical burrow in-filled with green-white sediment. Section 1, 0-19 cm, is soupy.

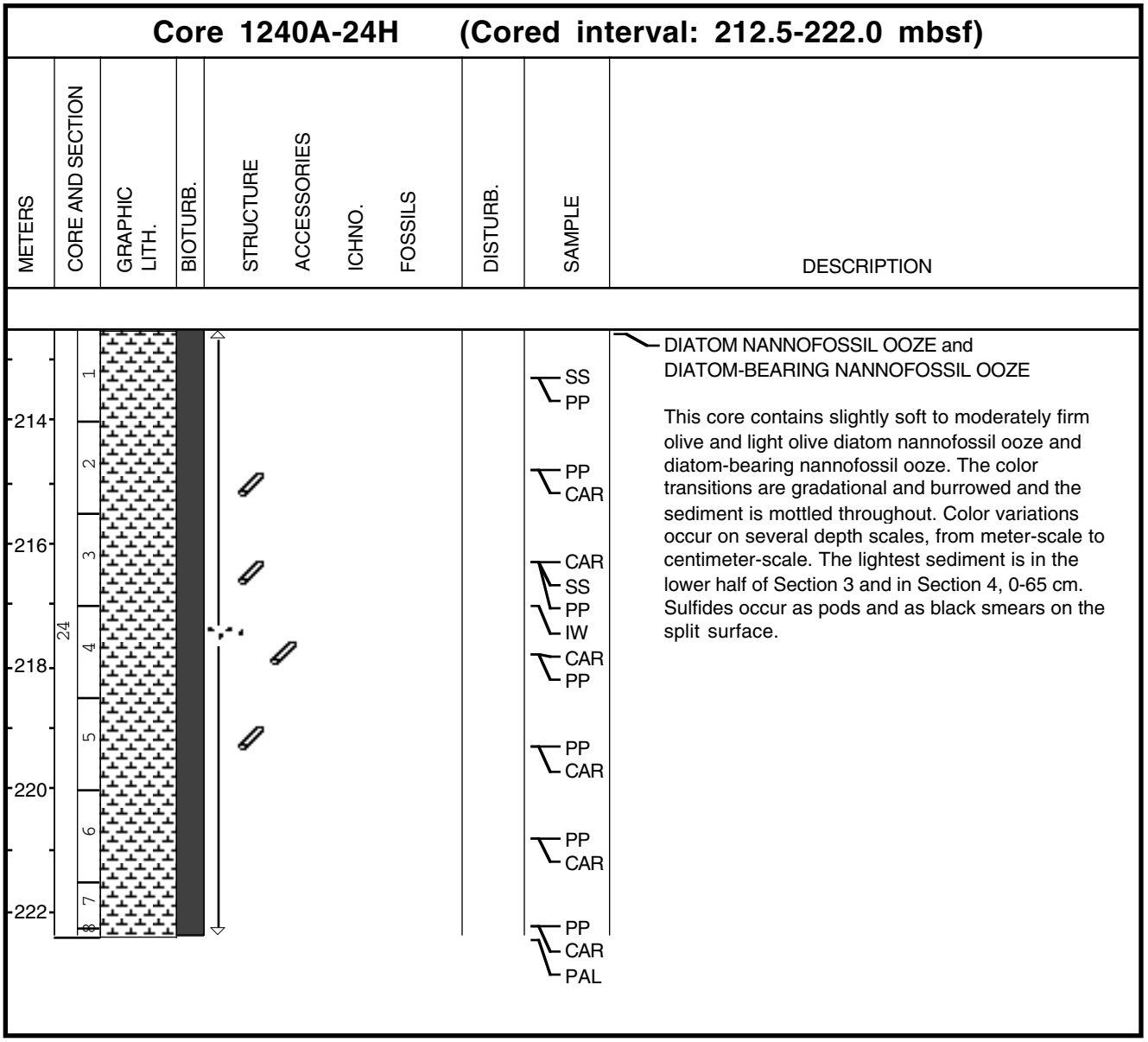
Core Photo


Core 1240A-22H (Cored interval: 193.5-203.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
194
196
198
200
202
22
1
2
3
4
5
6
7
CAR
PP
SS
PP
CAR
PP
SS
IW
PP
CAR
PP
PP
SS
PP
PAL
DIATOM NANNOFOSSIL OOZE and CLAY-BEARING DIATOM NANNOFOSSIL OOZE
This core contains diatom nannofossil ooze and clay-bearing diatom nannofossil ooze and. Sediment color changes gradiationally from dark olive to olive, pale olive, and light olive gray and the color becomes darker in Sections 2 and 3. The core is mottled and burrowed throughout. A light gray ash layer with sharp bottom contact and diffuse upward is observed in Section 6, 103-106 cm.

Core Photo

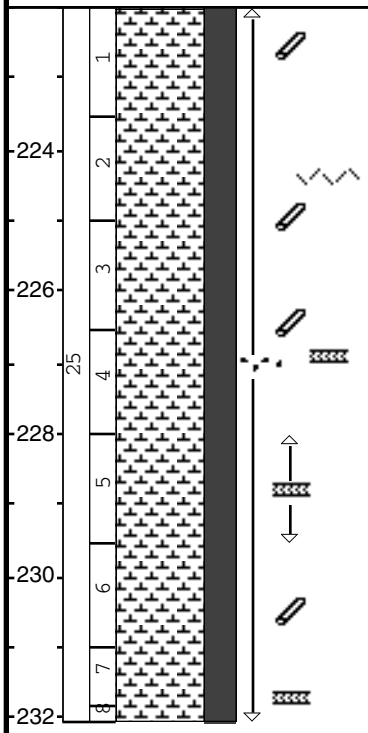

Core 1240A-23H (Cored interval: 203.0-212.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
204
206
208
210
212
23
1
2
3
4
5
6
7
CAR
SS
PP
PP
CAR
SS
PP
CAR
IW
CAR
PP
CAR
PP
CAR
PP
PP
CAR
PAL
DIATOM-BEARING NANNOFOSSIL OOZE and
DIATOM NANNOFOSSIL OOZE WITH MICRITE
This core contains moderately firm olive and light olive diatom-bearing nannofossil ooze and diatom nannofossil ooze with micrite. The color transitions are gradational and burrowed and the sediment is mottled throughout. Color variations occur on several depth scales, from meter-scale to centimeter-scale. The sediment is brownest in Section 2, ~100 cm, and then increasingly greenish until Section 6, ~120-130 cm. It is browner again in Section 3, 30 cm, slightly browner in Section 4, 20 cm, browner again in Section 5, ~90 cm, very slightly browner in Section 6, 40-50 cm, and browner again in Section 7, 65-77 and in the CC. There are also cm-scale patches, pods and colored layers. Sulfides occur as pods and as black smears on the split surface.

Core Photo


Core 1240A-24H (Cored interval: 212.5-222.0 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
PP
PP
CAR
CAR
SS
PP
IW
CAR
PP
PP
CAR
PP
CAR
PP
CAR
PAL
DIATOM NANNOFOSSIL OOZE and
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains slightly soft to moderately firm olive and light olive diatom nannofossil ooze and diatom-bearing nannofossil ooze. The color transitions are gradational and burrowed and the sediment is mottled throughout. Color variations occur on several depth scales, from meter-scale to centimeter-scale. The lightest sediment is in the lower half of Section 3 and in Section 4, 0-65 cm. Sulfides occur as pods and as black smears on the split surface.

Core Photo

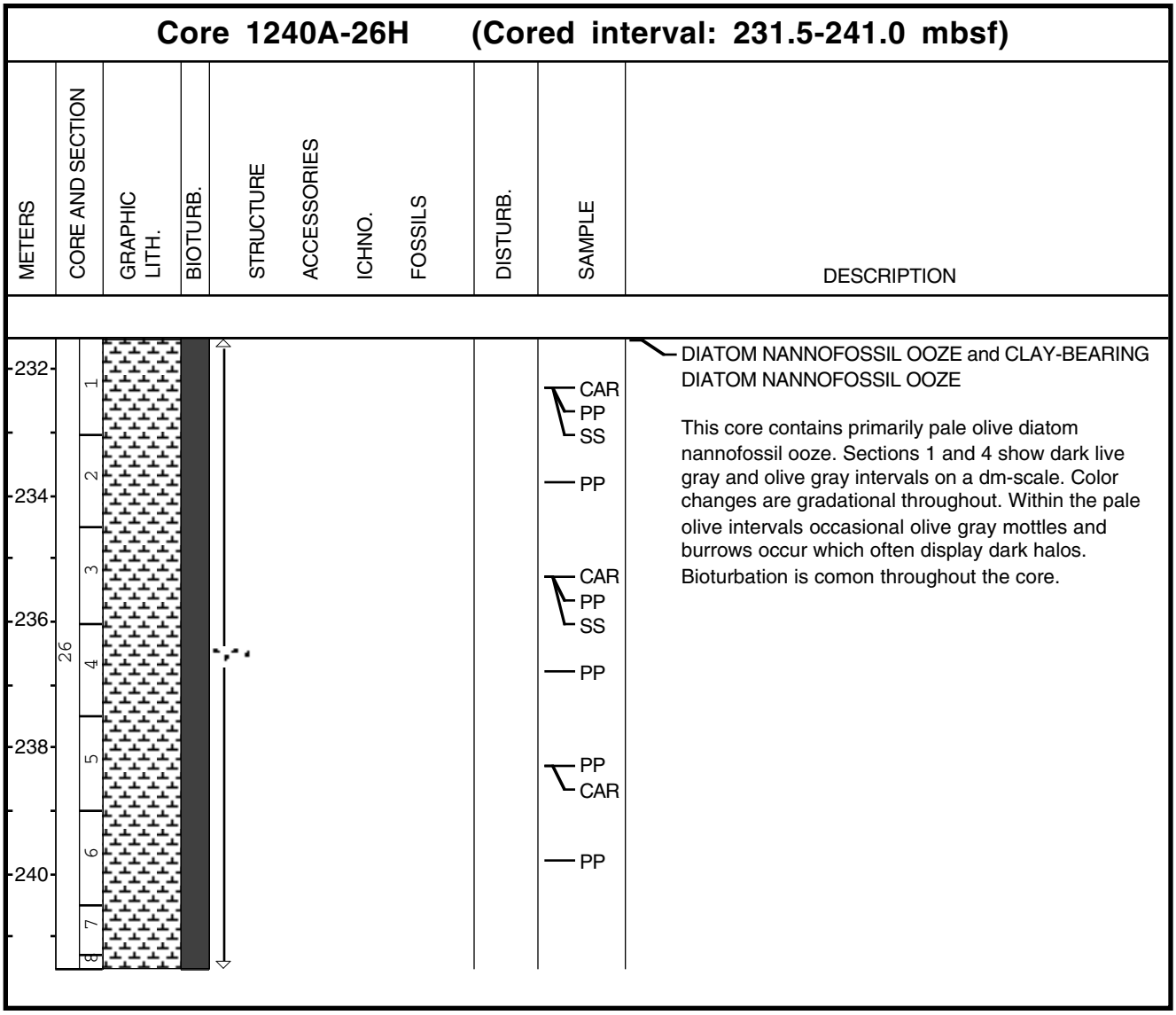
Core 1240A-25H (Cored interval: 222.0-231.5 mbsf)



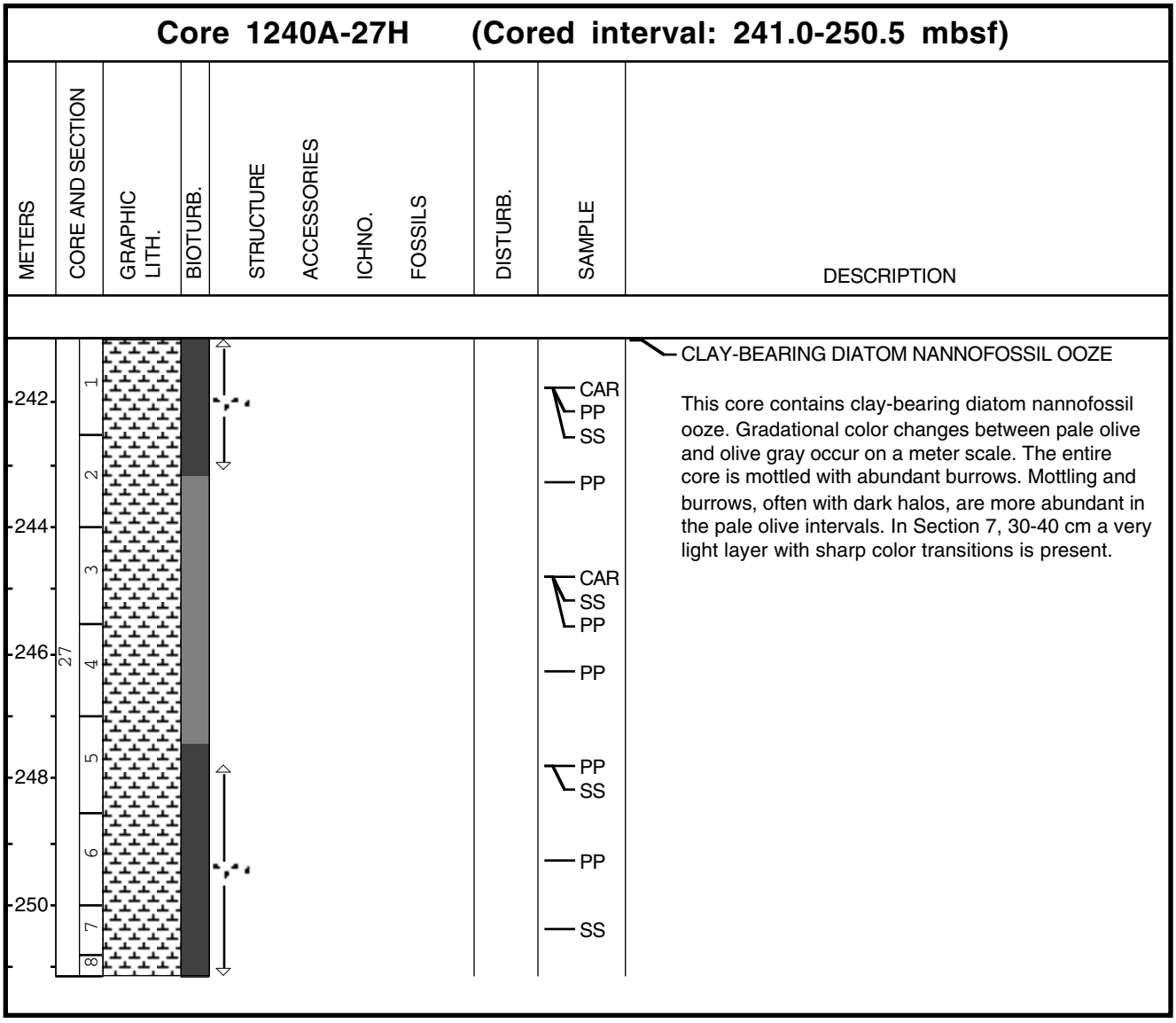
DIATOM NANNOFOSSIL OOZE

This core contains olive gray to paleo olive clay diatom nannofossil ooze. Sediment color changes gradiationally. The core is mottled and burrowed throughout. Color becomes darker olive brown in Section 3 and more lighter from Section 5 to the bottom of the core. A light gray ash layer with sharp bottom contact and diffuse upward is observed in Section 2, 85-93 cm.

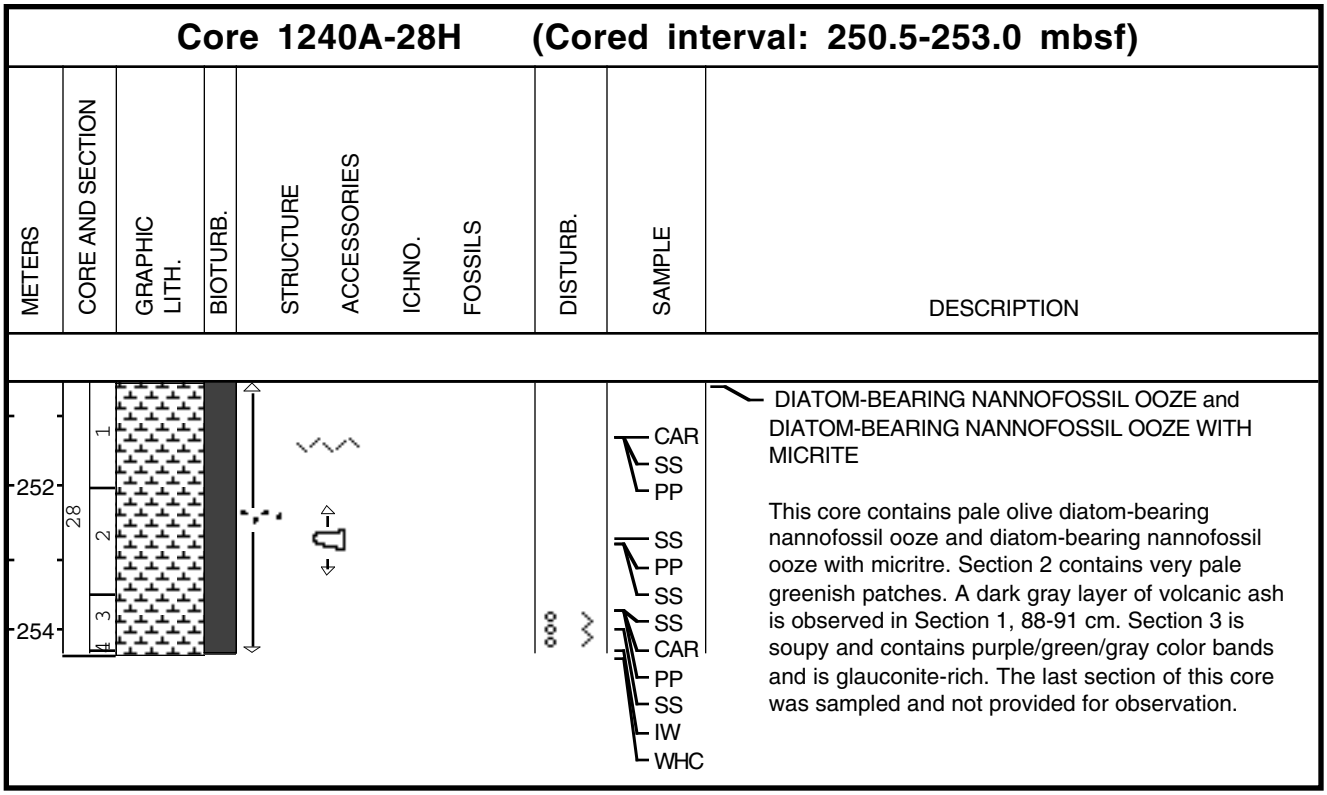
Core Photo


Core 1240A-26H (Cored interval: 231.5-241.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
232
234
236
238
240
26
1
2
3
4
5
6
7
CAR
PP
SS
PP
CAR
PP
SS
PP
PP
CAR
PP
DIATOM NANNOFOSSIL OOZE and CLAY-BEARING DIATOM NANNOFOSSIL OOZE
This core contains primarily pale olive diatom nannofossil ooze. Sections 1 and 4 show dark live gray and olive gray intervals on a dm-scale. Color changes are gradational throughout. Within the pale olive intervals occasional olive gray mottles and burrows occur which often display dark halos. Bioturbation is comon throughout the core.

Core Photo

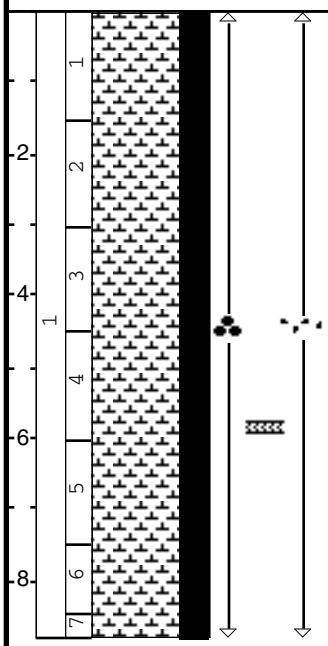

Core 1240A-27H (Cored interval: 241.0-250.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
242
244
246
248
250
27
1
2
3
4
5
6
7
8
CAR
PP
SS
PP
CAR
SS
PP
PP
PP
SS
PP
SS
CLAY-BEARING DIATOM NANNOFOSSIL OOZE
This core contains clay-bearing diatom nannofossil ooze. Gradational color changes between pale olive and olive gray occur on a meter scale. The entire core is mottled with abundant burrows. Mottling and burrows, often with dark halos, are more abundant in the pale olive intervals. In Section 7, 30-40 cm a very light layer with sharp color transitions is present.

Core Photo


Core 1240A-28H (Cored interval: 250.5-253.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
252
254
28
1
2
3
CAR
SS
PP
SS
PP
SS
SS
CAR
PP
SS
IW
WHC
DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE WITH MICRITE
This core contains pale olive diatom-bearing nannofossil ooze and diatom-bearing nannofossil ooze with micritre. Section 2 contains very pale greenish patches. A dark gray layer of volcanic ash is observed in Section 1, 88-91 cm. Section 3 is soupy and contains purple/green/gray color bands and is glauconite-rich. The last section of this core was sampled and not provided for observation.

Core Photo

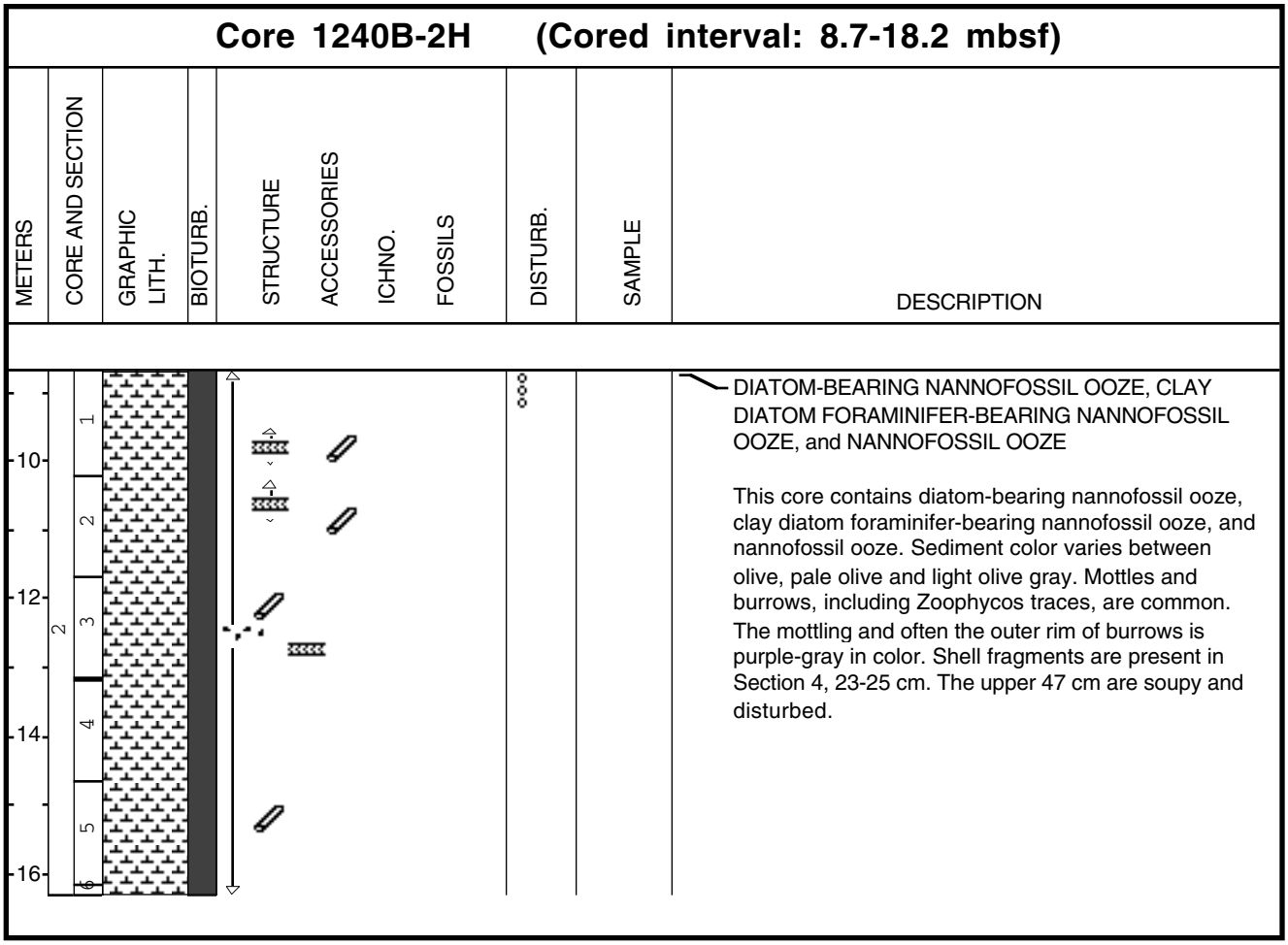
Core 1240B-1H (Cored interval: 0.0-8.7 mbsf)



DIATOM-BEARING NANNOFOSSIL OOZE and CLAY-BEARING NANNOFOSSIL OOZE

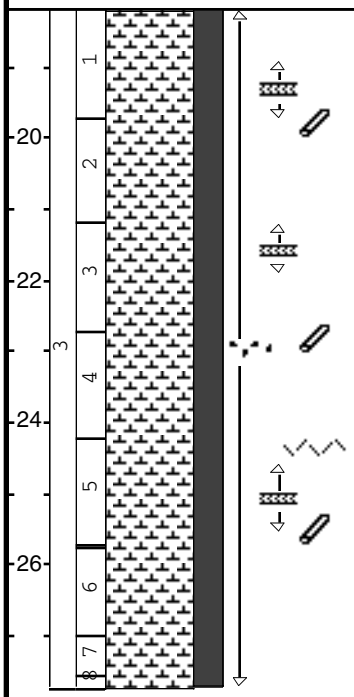
This core contains very soft, moist diatom-bearing nannofossil ooze and clay-bearing nannofossil ooze. The sediment colors range from dark olive brown to pale olive, grayish olive, and light olive brown. Bioturbation is pervasive, and evident in abundant burrows and mottled sediment. Some of the burrows are vertical and extensive (>10 cm). Some apparent burrow structures are present as elongate, soupy voids. Foraminifers are visible scattered along the split core surface. The top 5 cm is distinctively brown and appears to be a mudline.

Core Photo


Core 1240B-2H (Cored interval: 8.7-18.2 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
10
12
14
16
2
1
2
3
4
5
6
DIATOM-BEARING NANNOFOSSIL OOZE, CLAY
DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE, and NANNOFOSSIL OOZE
This core contains diatom-bearing nannofossil ooze, clay diatom foraminifer-bearing nannofossil ooze, and nannofossil ooze. Sediment color varies between olive, pale olive and light olive gray. Mottles and burrows, including Zoophycos traces, are common. The mottling and often the outer rim of burrows is purple-gray in color. Shell fragments are present in Section 4, 23-25 cm. The upper 47 cm are soupy and disturbed.

Core Photo

Core 1240B-3H (Cored interval: 18.2-27.7 mbsf)

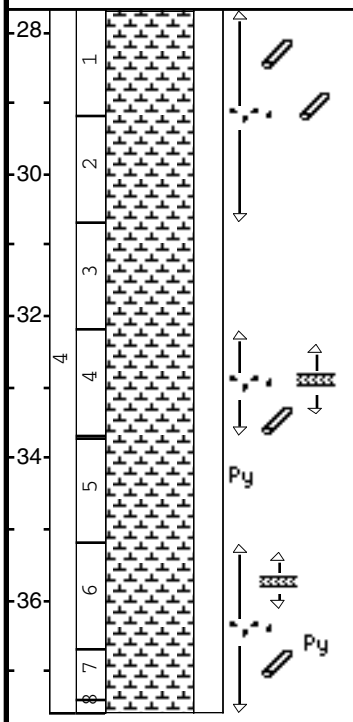


CLAY-BEARING NANNOFOSSIL OOZE, DIATOM SPICULE-BEARING NANNOFOSSIL OOZE, FORAMINIFER-BEARING NANNOFOSSIL OOZE, and NANNOFOSSIL OOZE

This core contains clay-bearing nannofossil ooze, diatom spicule-bearing nannofossil ooze, foraminifer-bearing nannofossil ooze, and nannofossil ooze. Sediment color varies between light olive gray and light gray with abundant purple-gray color mottling. Burrows, including Zoophycos traces, often outlined in purple-gray, are frequent. The upper 30 cm of this core is soupy and slightly disturbed. Purple/green/gray color bands are observed throughout. Section 5, 12-14 cm contains an ash layer with a sharp base and difusse top.

Core Photo

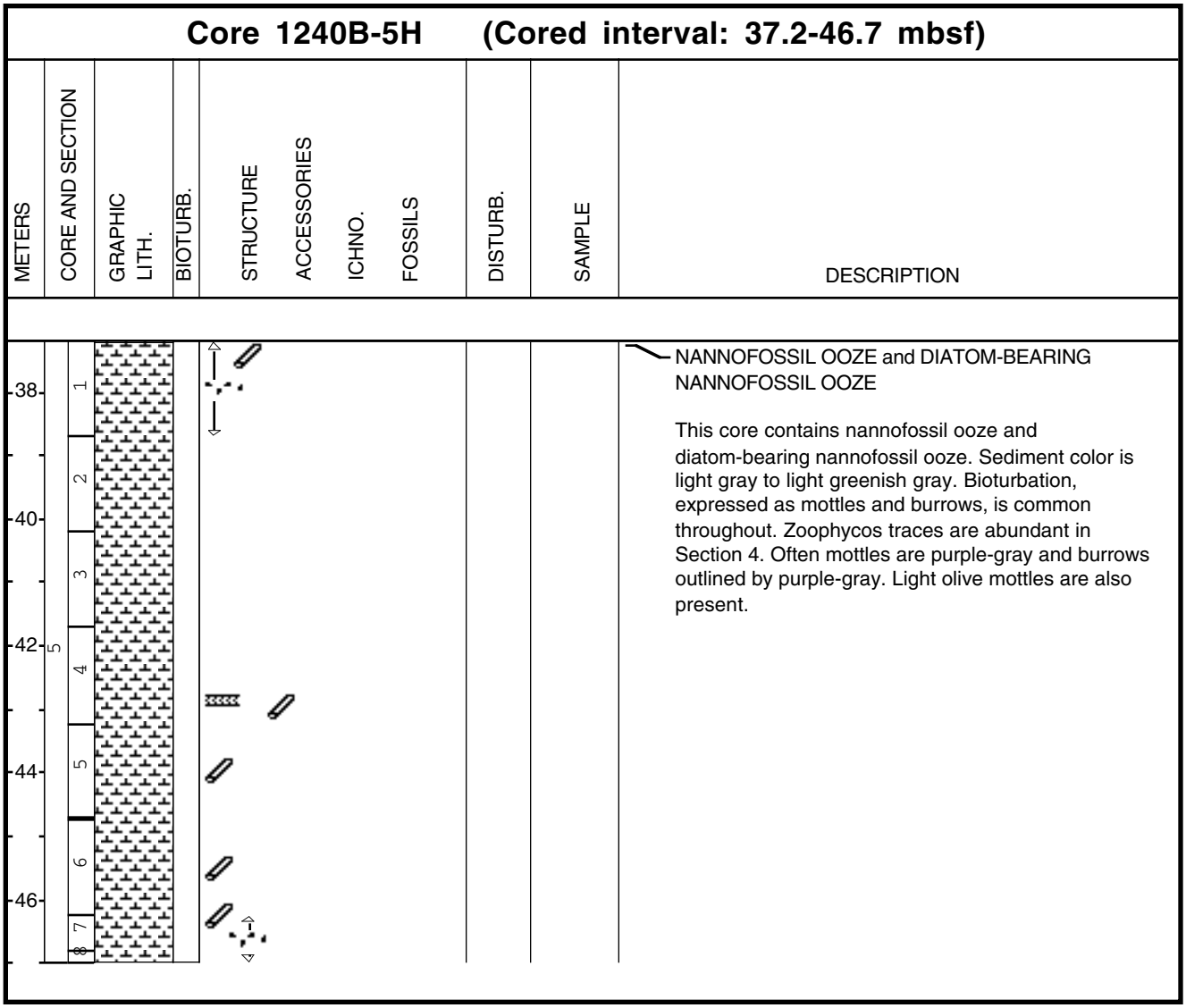
Core 1240B-4H (Cored interval: 27.7-37.2 mbsf)



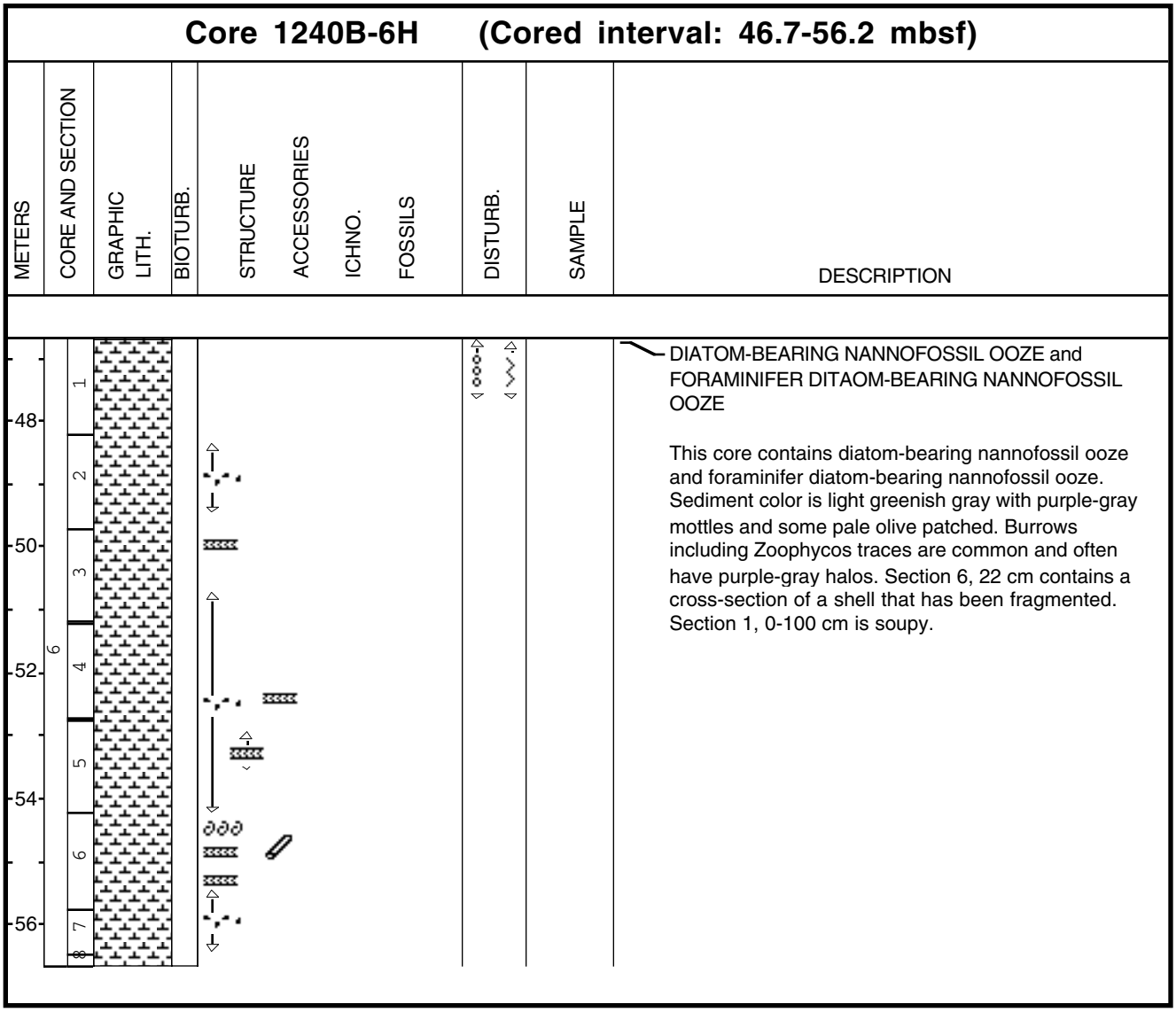
NANNOFOSSIL OOZE, DIATOM-BEARING NANNOFOSSIL OOZE, and CLAY DIATOM-BEARING NANNOFOSSIL OOZE

This core contains nannofossil ooze, diatom-bearing nannofossil ooze, and clay diatom-bearing nannofossil ooze. Sediment color varies between light olive gray and light gray. Bioturbation, expressed by mottling and burrows, is common. Section 3 contains an interval of intense mottling. Section 5, ~50 cm, Section 6, 60 cm, and Section 7, 2 cm contain patches of pyrite. The upper 40 cm of the core is extremely disturbed.

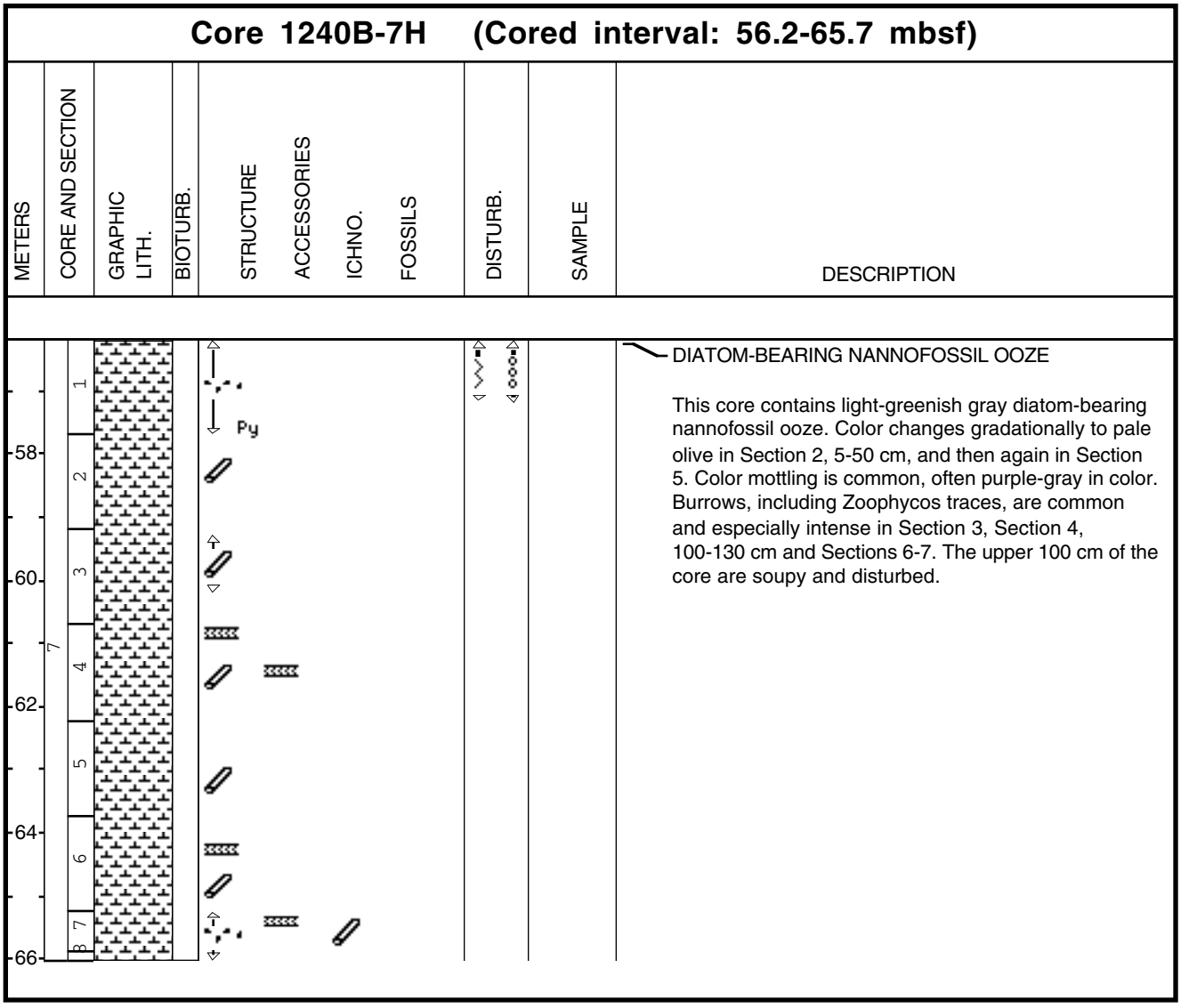
Core Photo


Core 1240B-5H (Cored interval: 37.2-46.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
38
40
42
44
46
5
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains nannofossil ooze and diatom-bearing nannofossil ooze. Sediment color is light gray to light greenish gray. Bioturbation, expressed as mottles and burrows, is common throughout. Zoophycos traces are abundant in Section 4. Often mottles are purple-gray and burrows outlined by purple-gray. Light olive mottles are also present.

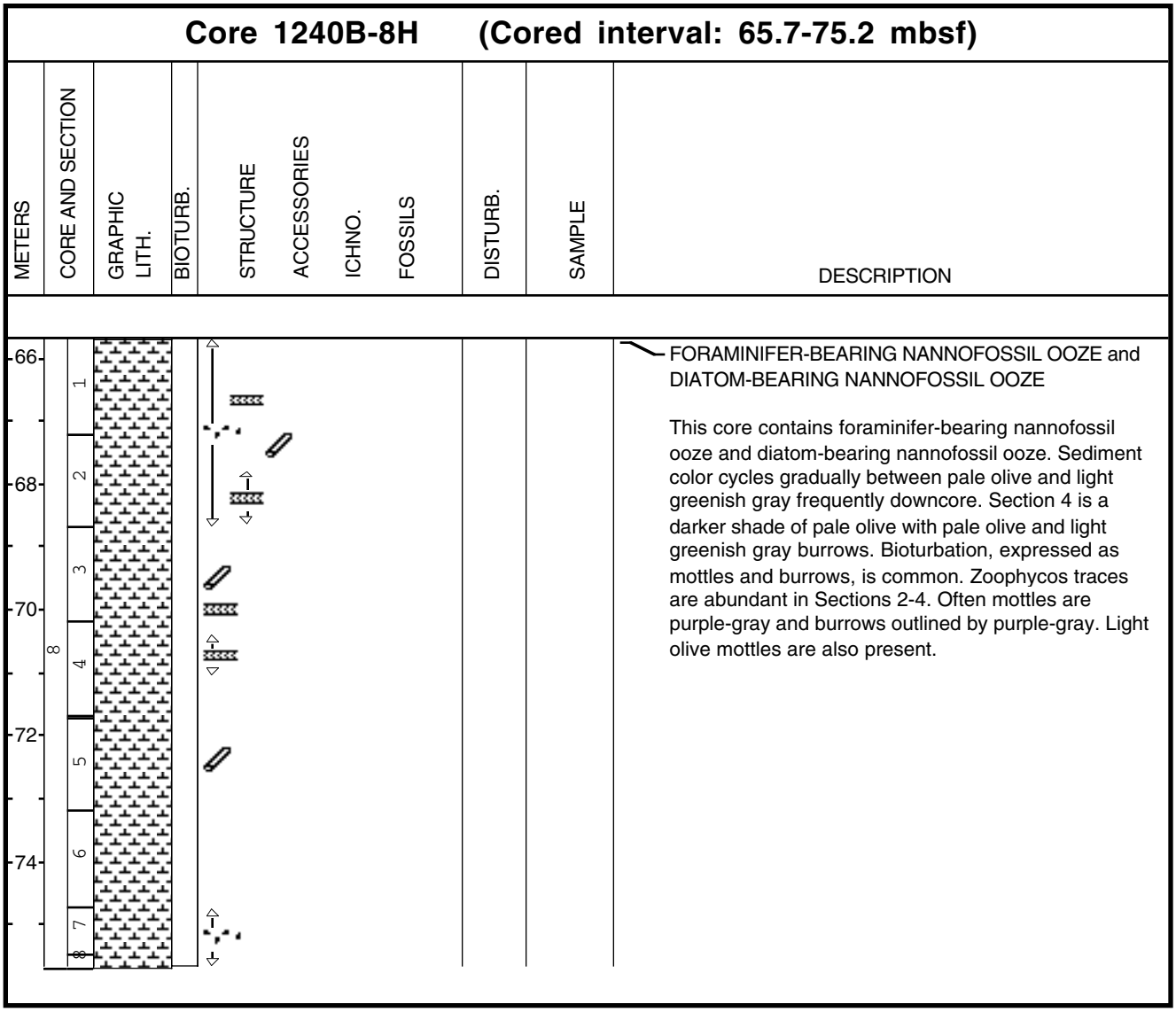
Core Photo


Core 1240B-6H (Cored interval: 46.7-56.2 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
8
DIATOM-BEARING NANNOFOSSIL OOZE and FORAMINIFER DITAOM-BEARING NANNOFOSSIL OOZE
This core contains diatom-bearing nannofossil ooze and foraminifer diatom-bearing nannofossil ooze. Sediment color is light greenish gray with purple-gray mottles and some pale olive patched. Burrows including Zoophycos traces are common and often have purple-gray halos. Section 6, 22 cm contains a cross-section of a shell that has been fragmented. Section 1, 0-100 cm is soupy.

Core Photo

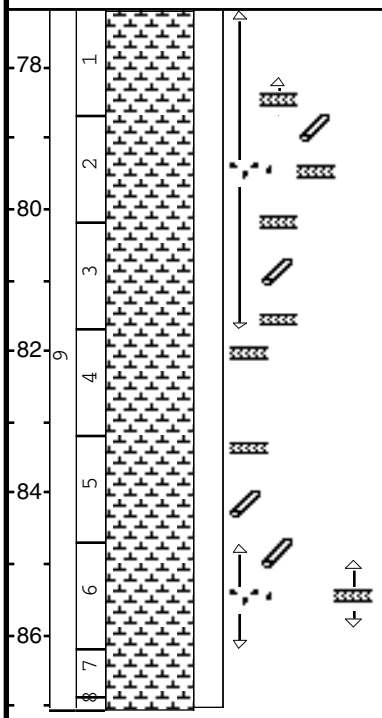

Core 1240B-7H (Cored interval: 56.2-65.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
Py
58
60
62
64
66
7
1
2
3
4
5
6
CC
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains light-greenish gray diatom-bearing nannofossil ooze. Color changes gradationally to pale olive in Section 2, 5-50 cm, and then again in Section 5. Color mottling is common, often purple-gray in color. Burrows, including Zoophycos traces, are common and especially intense in Section 3, Section 4, 100-130 cm and Sections 6-7. The upper 100 cm of the core are soupy and disturbed.

Core Photo


Core 1240B-8H (Cored interval: 65.7-75.2 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
66
68
70
72
74
8
1
2
3
4
5
6
7
8
FORAMINIFER-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains foraminifer-bearing nannofossil ooze and diatom-bearing nannofossil ooze. Sediment color cycles gradually between pale olive and light greenish gray frequently downcore. Section 4 is a darker shade of pale olive with pale olive and light greenish gray burrows. Bioturbation, expressed as mottles and burrows, is common. Zoophycos traces are abundant in Sections 2-4. Often mottles are purple-gray and burrows outlined by purple-gray. Light olive mottles are also present.

Core Photo

Core 1240B-9H (Cored interval: 77.2-86.7 mbsf)

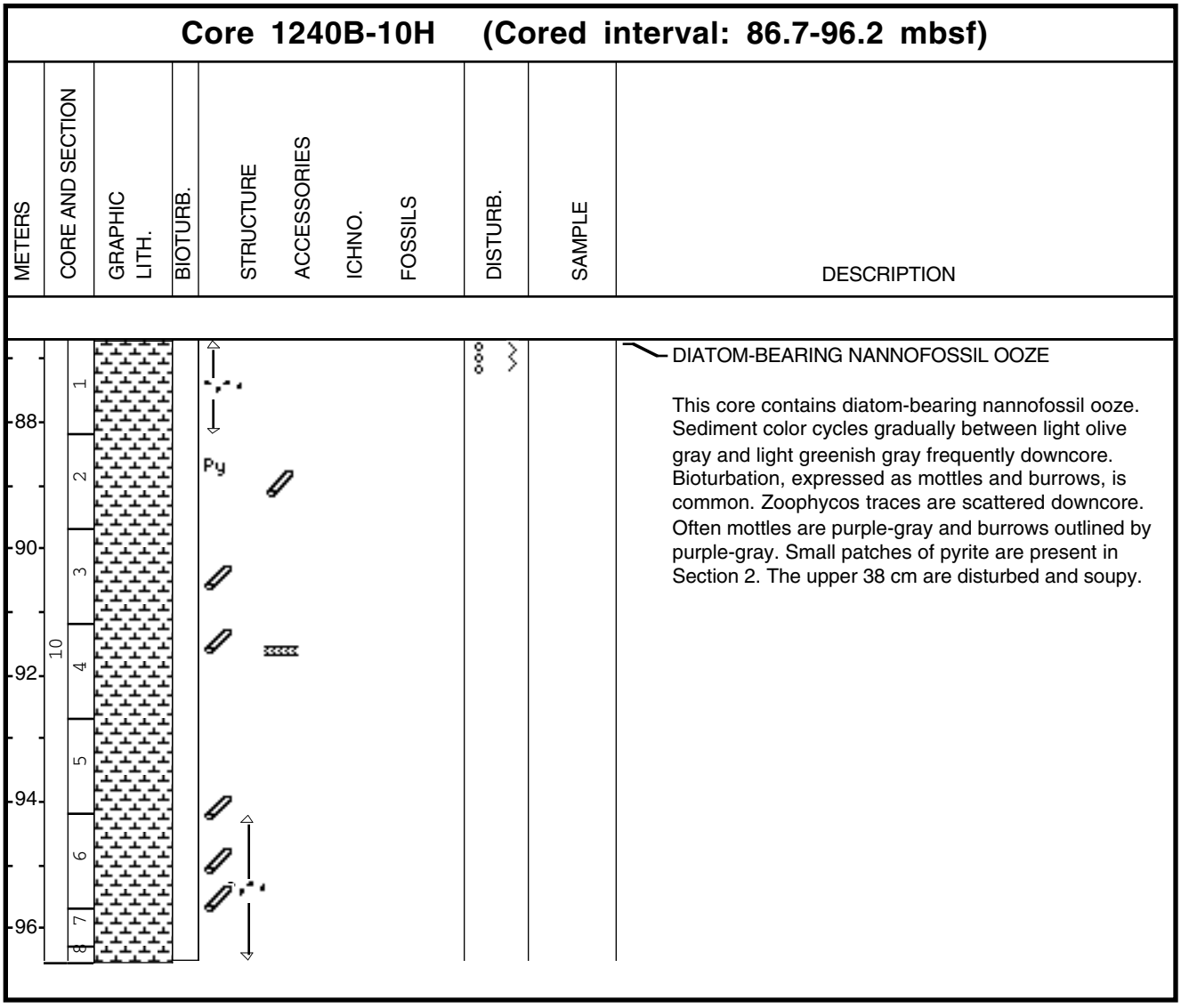


DESCRIPTION

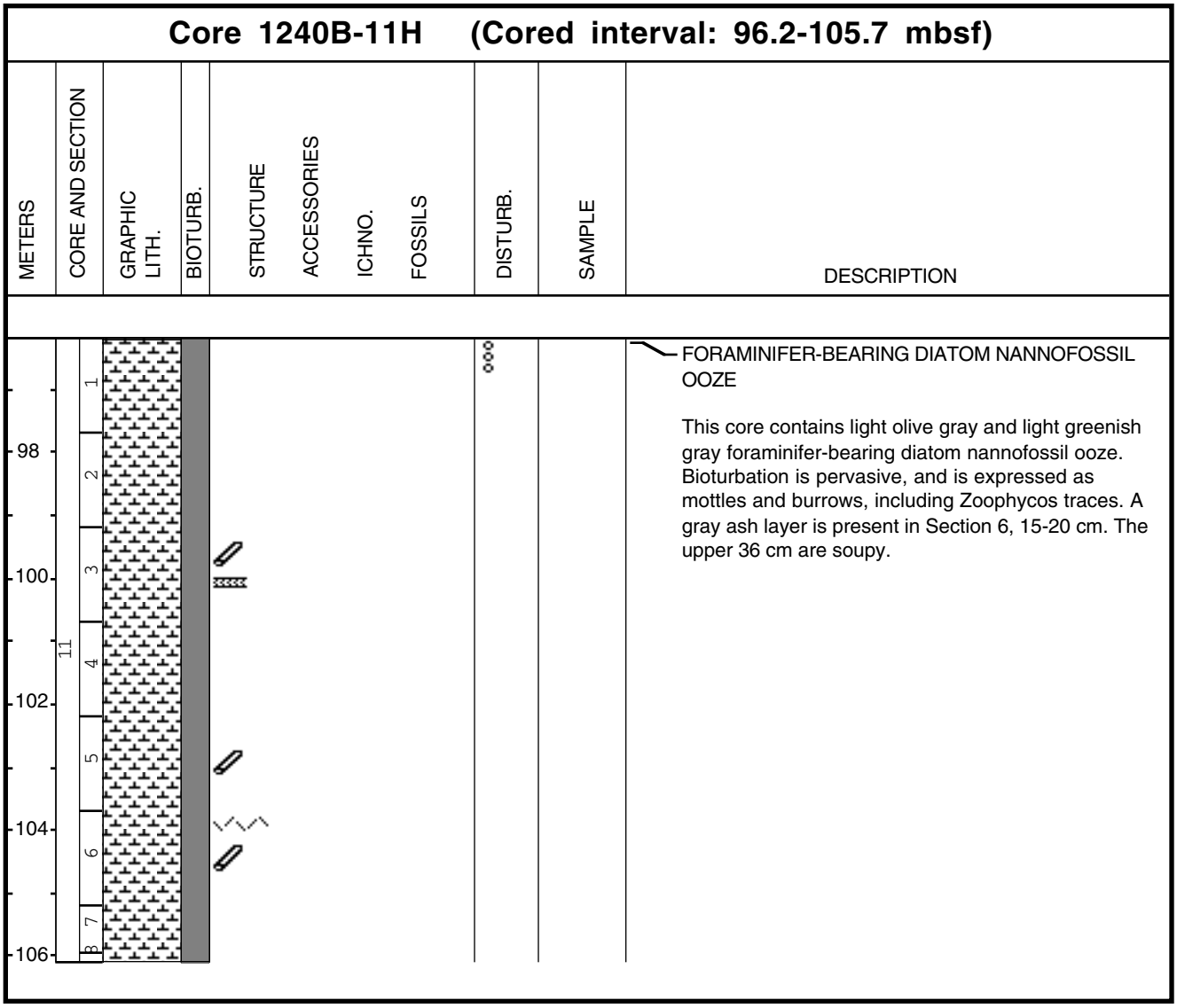
DIATOM-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE

This core contains diatom-bearing nannofossil ooze and nannofossil ooze. Sediment color cycles gradually between pale olive and light greenish gray frequently downcore. Bioturbation, expressed as mottles and burrows, is common. Section 3, 50-100 cm and Section 4, 0-70 cm, are intensely mottled. Zoophycos traces are abundant in Sections 1-4. Often mottles are purple-gray and burrows outlined by purple-gray. Light olive mottles are also present. The uppermost 68 cm of the core are soupy. Section 7 to the base contains flow-in.

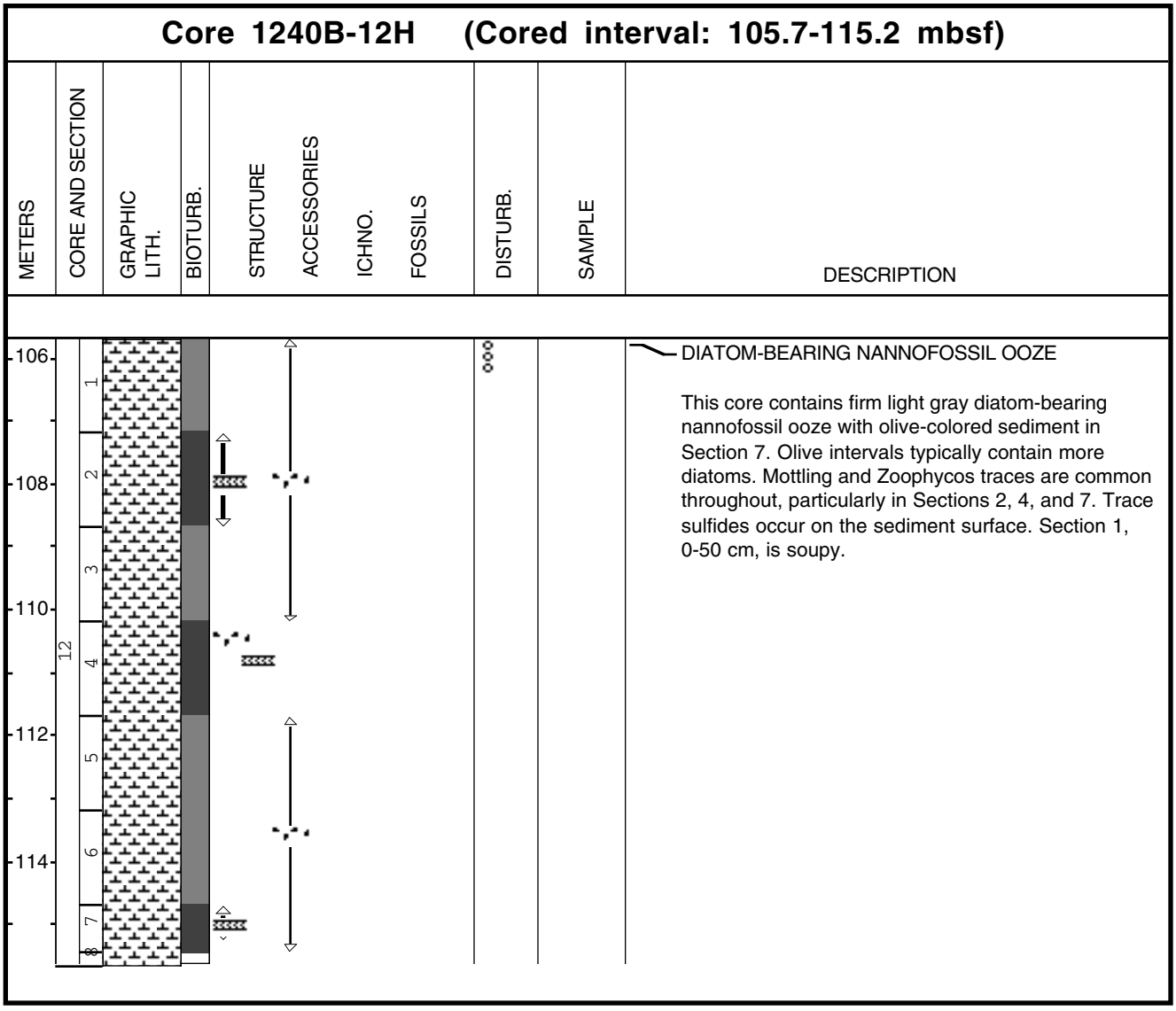
Core Photo


Core 1240B-10H (Cored interval: 86.7-96.2 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
Py
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains diatom-bearing nannofossil ooze. Sediment color cycles gradually between light olive gray and light greenish gray frequently downcore. Bioturbation, expressed as mottles and burrows, is common. Zoophycos traces are scattered downcore. Often mottles are purple-gray and burrows outlined by purple-gray. Small patches of pyrite are present in Section 2. The upper 38 cm are disturbed and soupy.

Core Photo

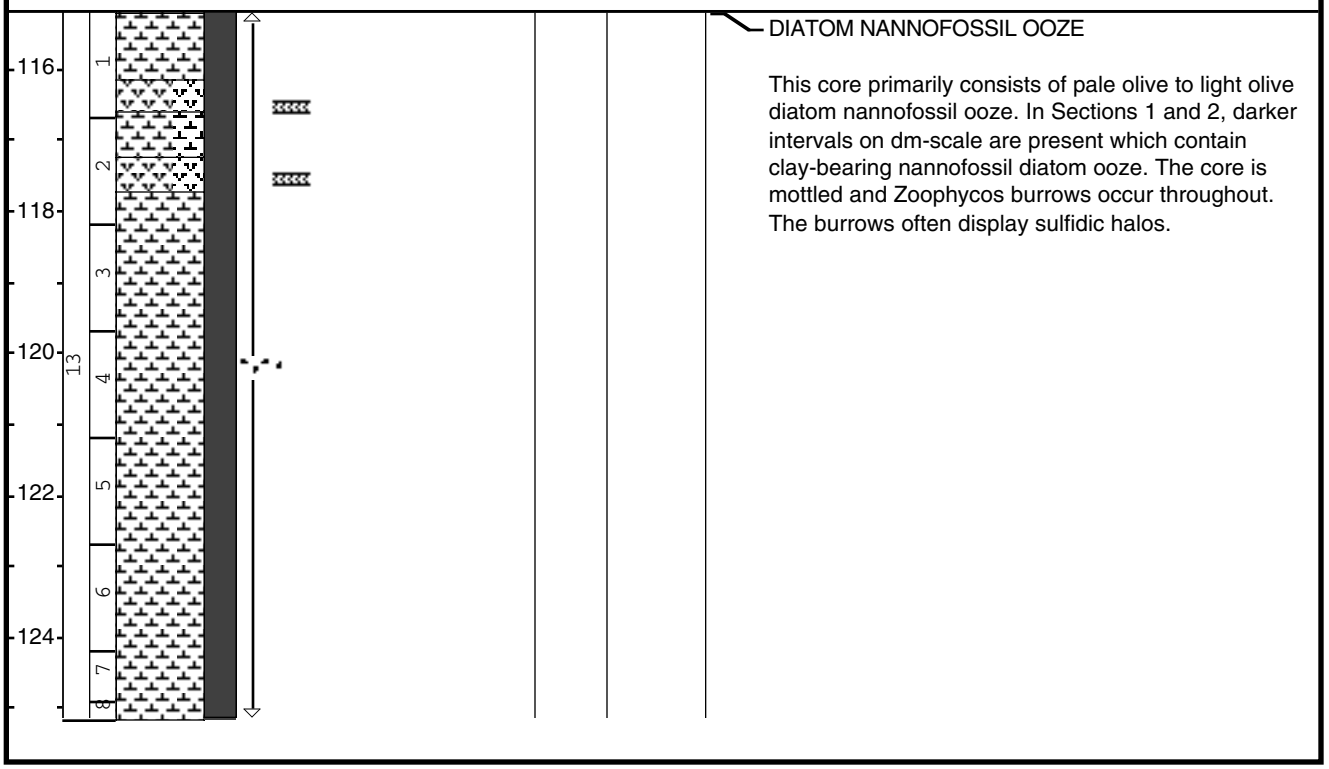

Core 1240B-11H (Cored interval: 96.2-105.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
98
100
102
104
106
11
1
2
3
4
5
6
7
CC
FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE
This core contains light olive gray and light greenish gray foraminifer-bearing diatom nannofossil ooze. Bioturbation is pervasive, and is expressed as mottles and burrows, including Zoophycos traces. A gray ash layer is present in Section 6, 15-20 cm. The upper 36 cm are soupy.

Core Photo


Core 1240B-12H (Cored interval: 105.7-115.2 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
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains firm light gray diatom-bearing nannofossil ooze with olive-colored sediment in Section 7. Olive intervals typically contain more diatoms. Mottling and Zoophycos traces are common throughout, particularly in Sections 2, 4, and 7. Trace sulfides occur on the sediment surface. Section 1, 0-50 cm, is soupy.

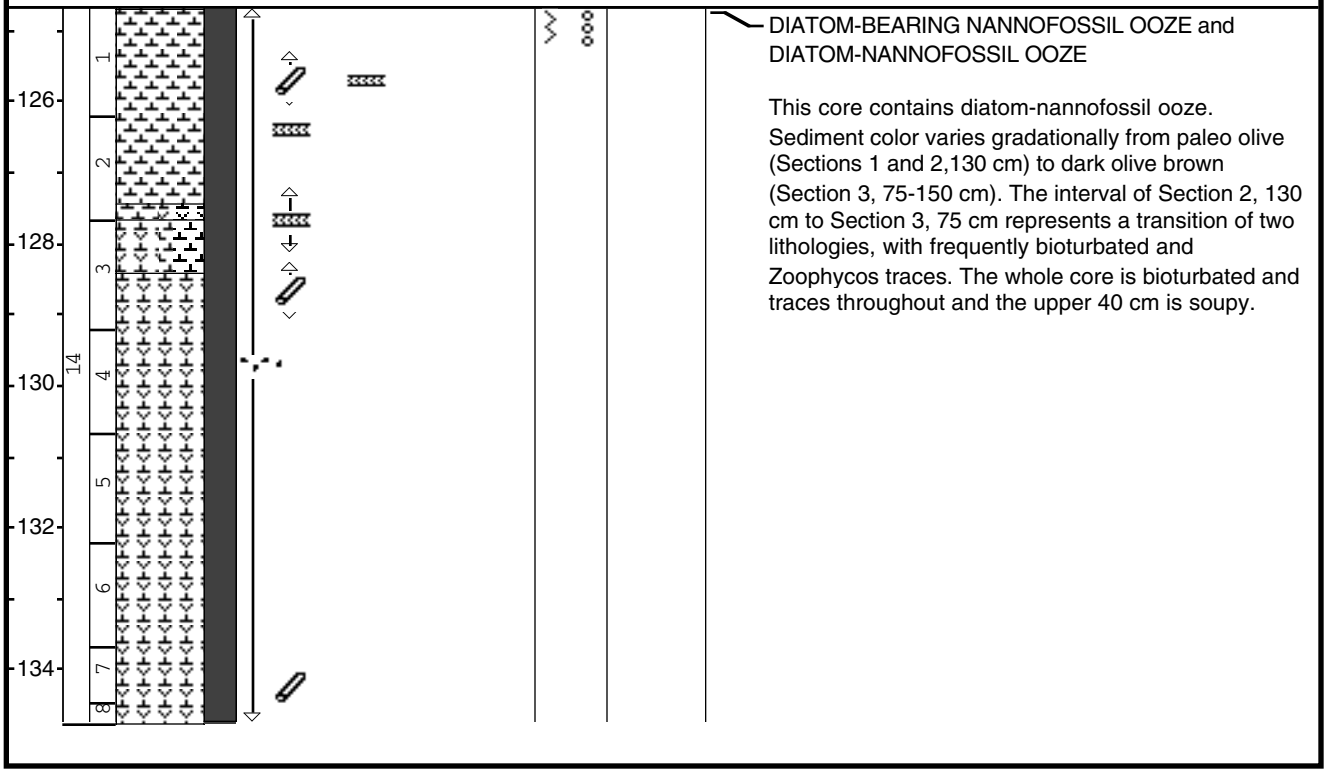
Core Photo

Core 1240B-13H (Cored interval: 115.2-124.7 mbsf)

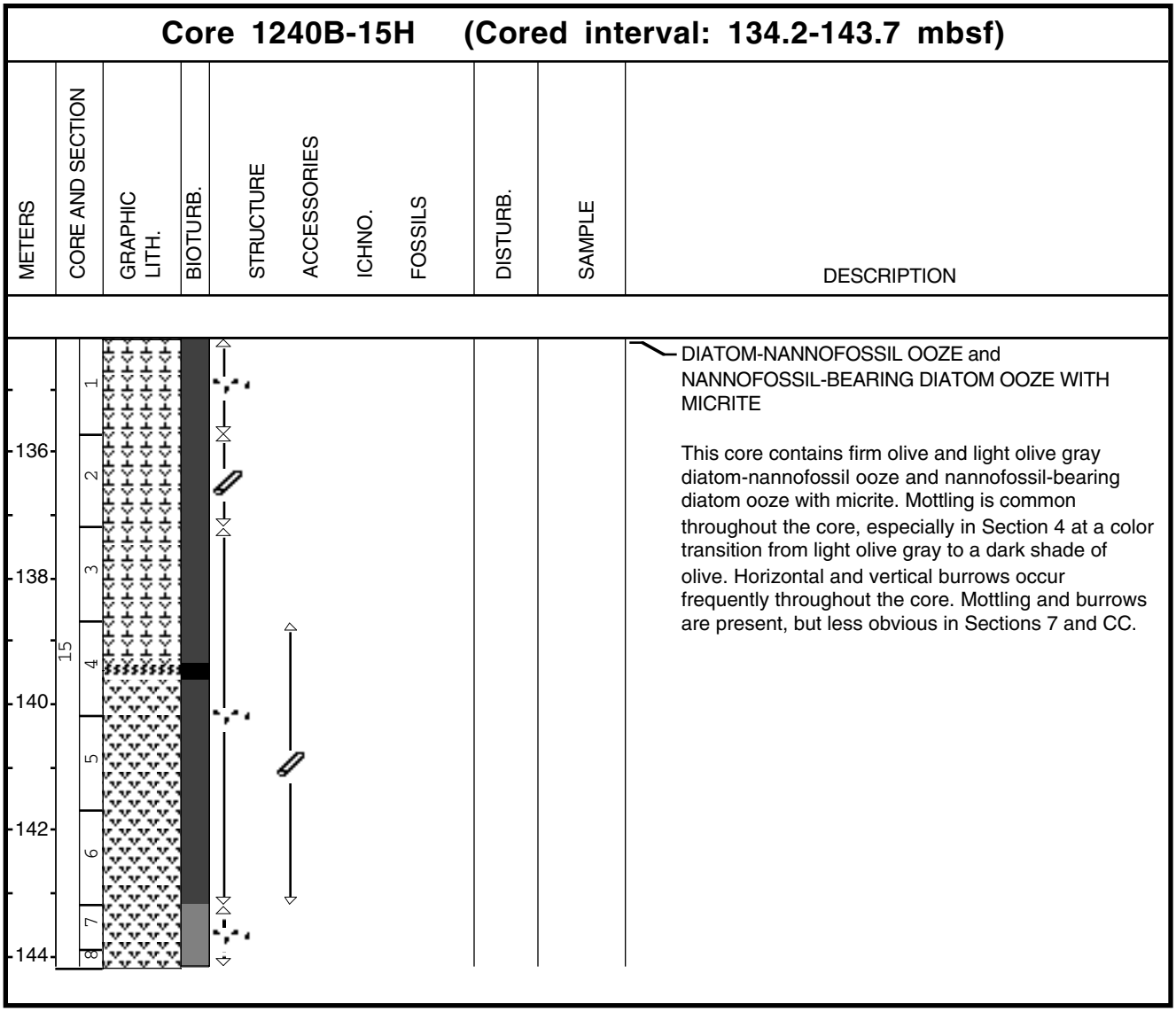


Core Photo

Core 1240B-14H (Cored interval: 124.7-134.2 mbsf)

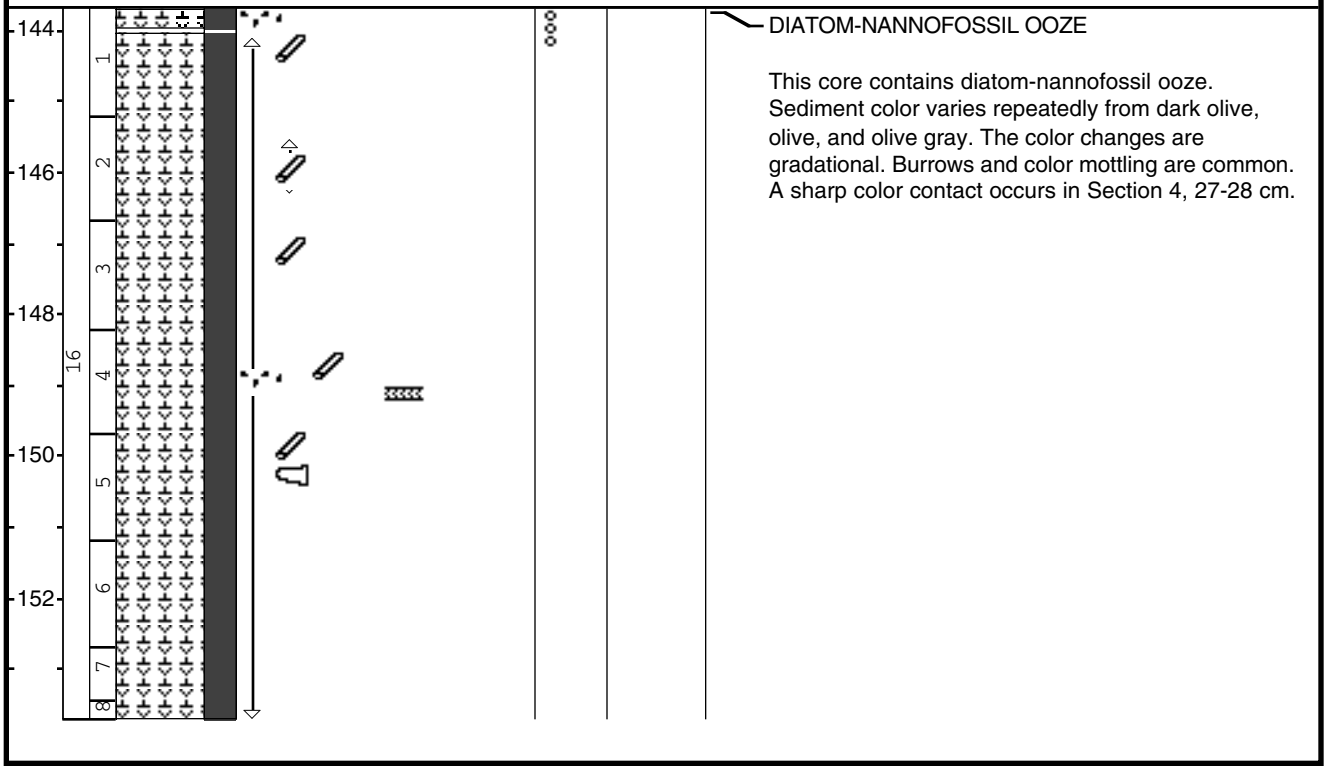


Core Photo


Core 1240B-15H (Cored interval: 134.2-143.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
136
138
140
142
144
15
1
2
3
4
5
6
7
8
DIATOM-NANNOFOSSIL OOZE and NANNOFOSSIL-BEARING DIATOM OOZE WITH MICRITE
This core contains firm olive and light olive gray diatom-nannofossil ooze and nannofossil-bearing diatom ooze with micrite. Mottling is common throughout the core, especially in Section 4 at a color transition from light olive gray to a dark shade of olive. Horizontal and vertical burrows occur frequently throughout the core. Mottling and burrows are present, but less obvious in Sections 7 and CC.

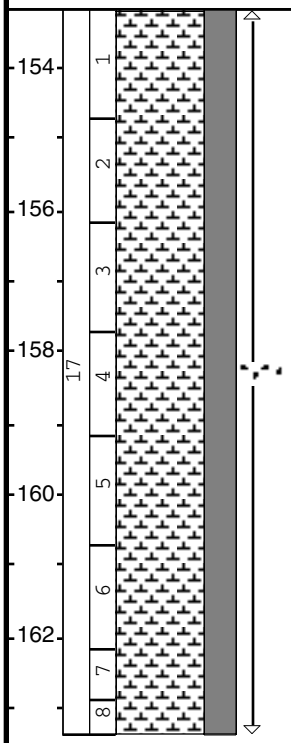
Core Photo

Core 1240B-16H (Cored interval: 143.7-153.2 mbsf)



Core Photo

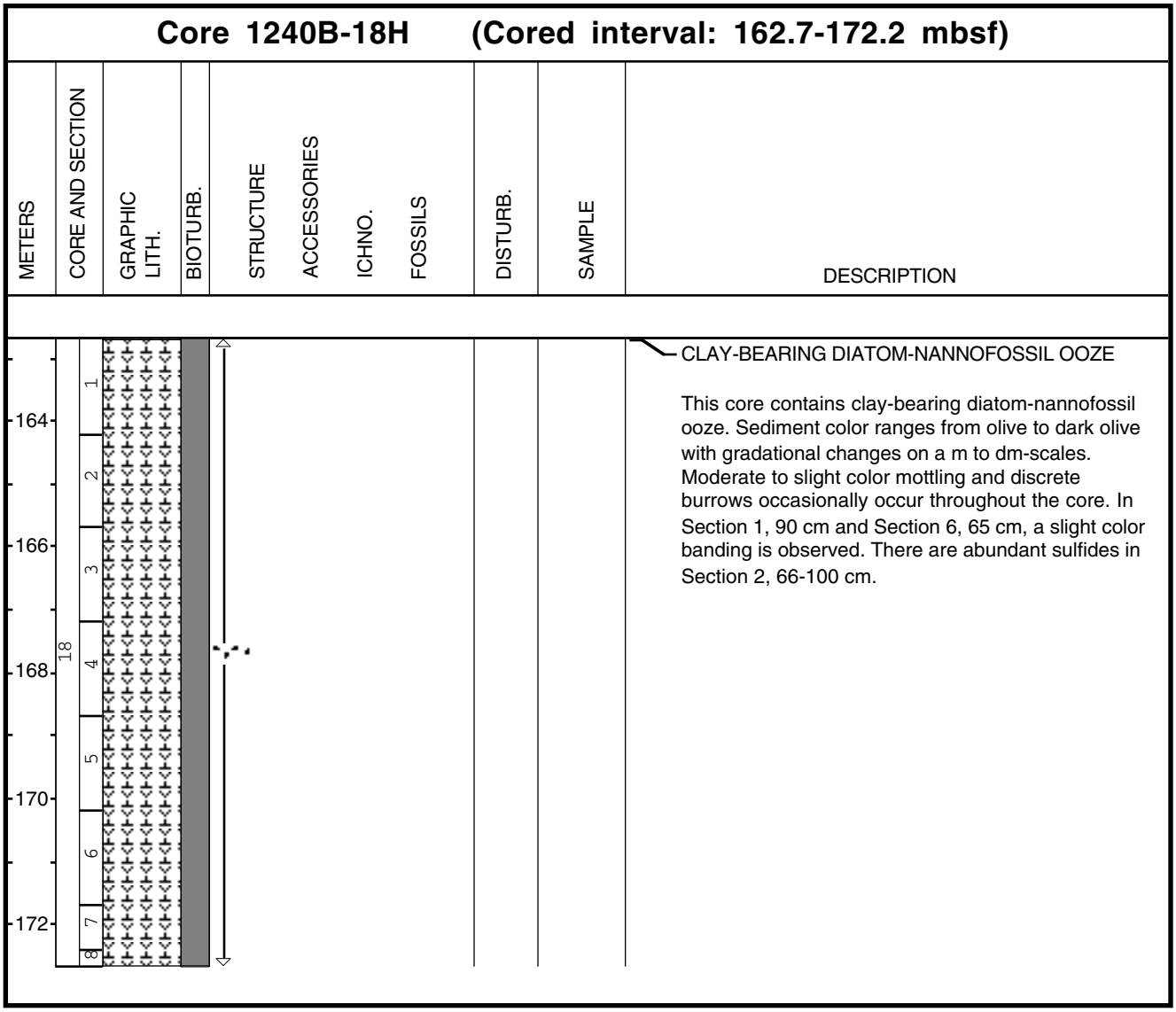
Core 1240B-17H (Cored interval: 153.2-162.7 mbsf)



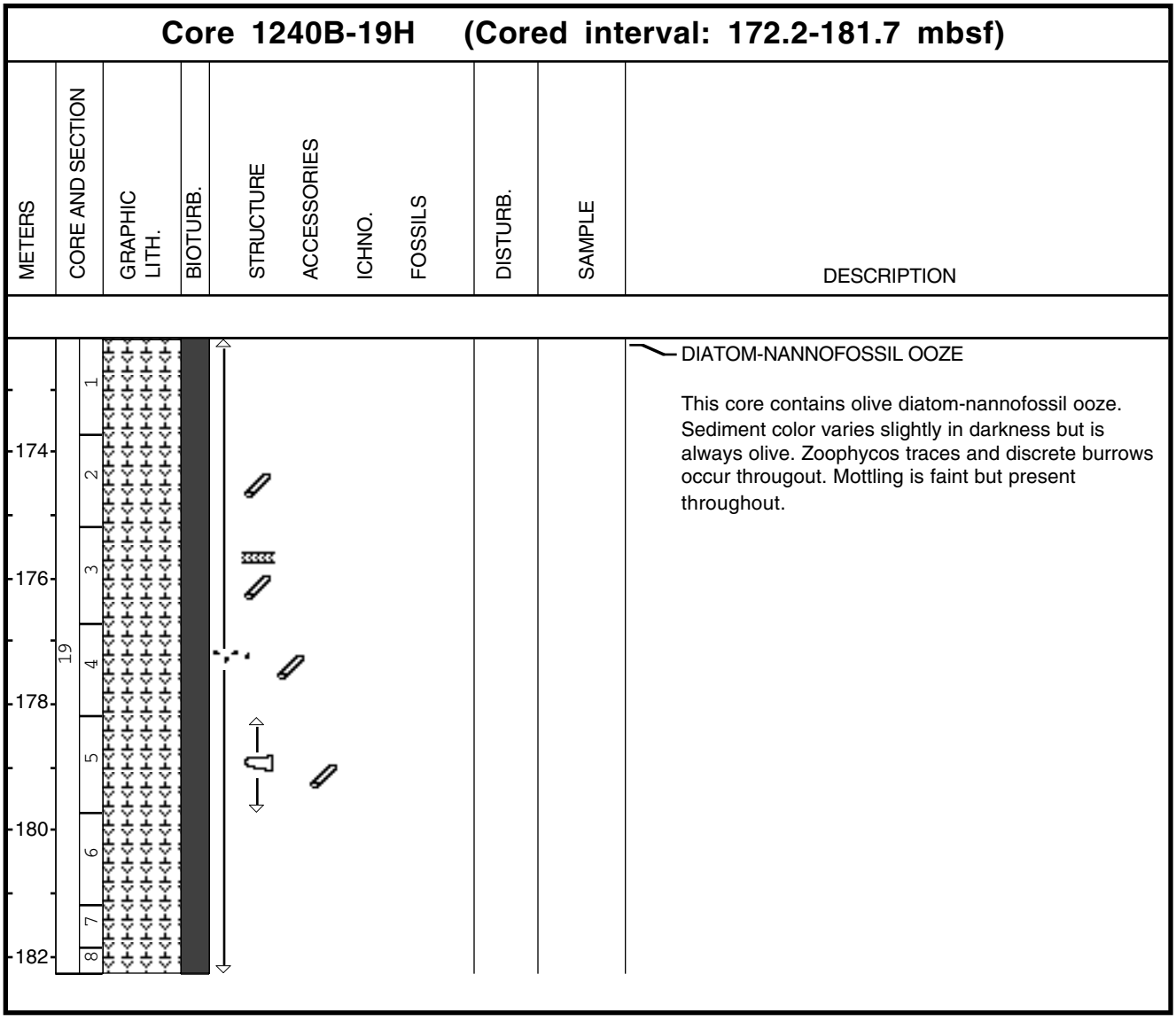
CLAY-BEARING DIATOM NANNOFOSSIL OOZE

This core contains clay-bearing diatom nannofossil ooze. The sediment color varies repeatedly from dark olive to olive. All color changes are gradational. Burrows and motted intervals are common. Darker sediments occur in Section 2, 70-80, 90-105, 110-120, 126-134, and 143-148. Section 5 contains generally lighter sediments, particularly from 110-128.

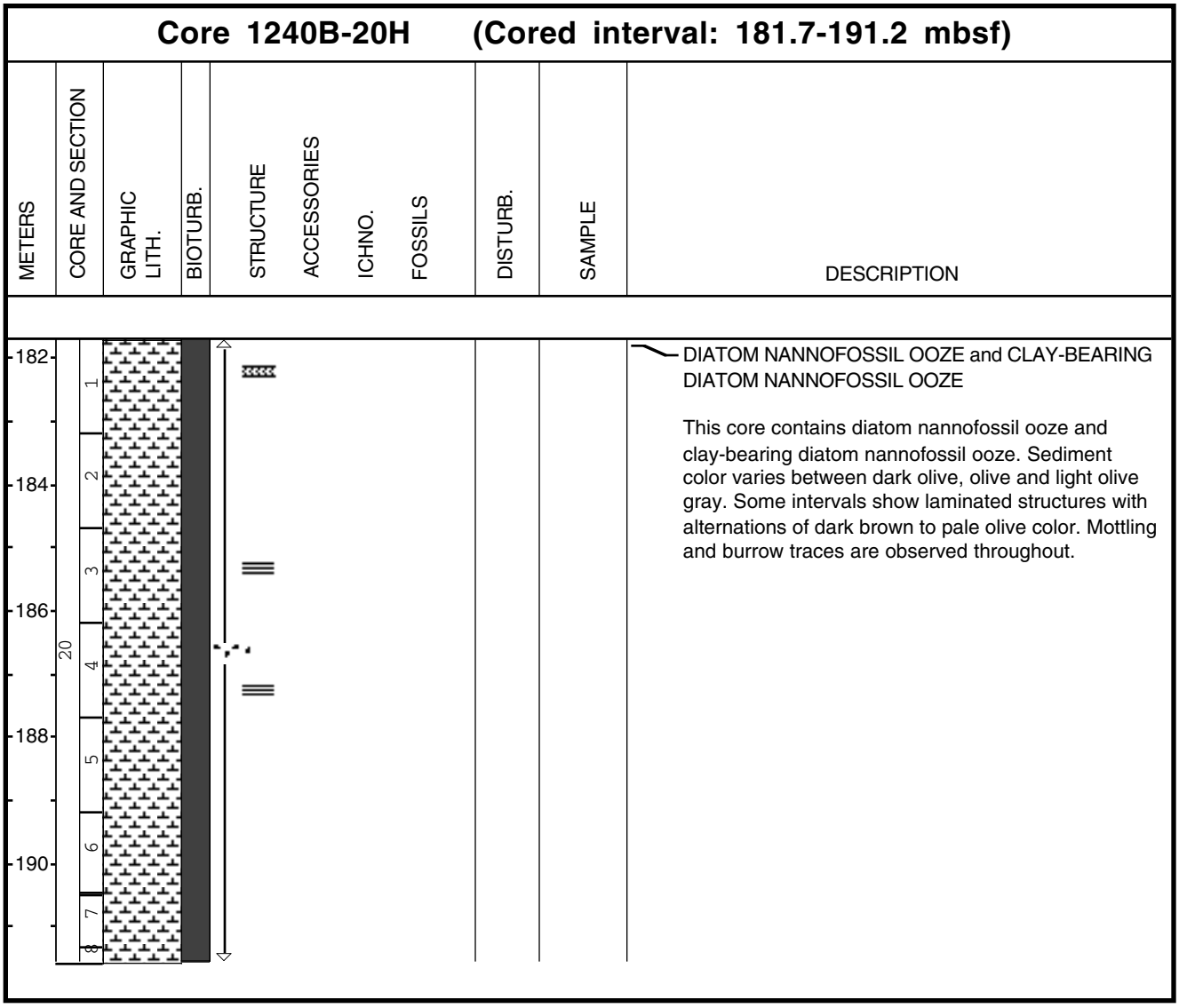
Core Photo


Core 1240B-18H (Cored interval: 162.7-172.2 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
CLAY-BEARING DIATOM-NANNOFOSSIL OOZE
This core contains clay-bearing diatom-nannofossil ooze. Sediment color ranges from olive to dark olive with gradational changes on a m to dm-scales. Moderate to slight color mottling and discrete burrows occasionally occur throughout the core. In Section 1, 90 cm and Section 6, 65 cm, a slight color banding is observed. There are abundant sulfides in Section 2, 66-100 cm.

Core Photo

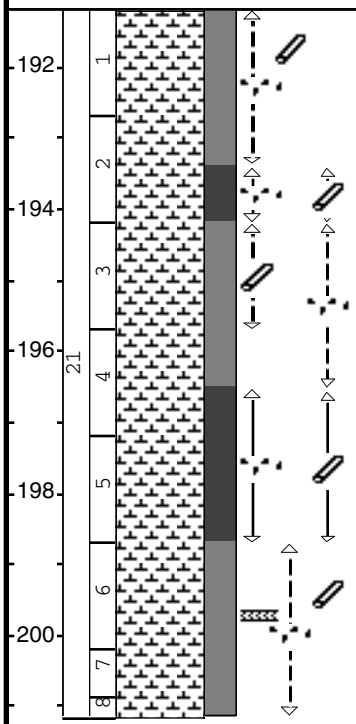

Core 1240B-19H (Cored interval: 172.2-181.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
174
176
178
180
182
19
1
2
3
4
5
6
7
8
DIATOM-NANNOFOSSIL OOZE
This core contains olive diatom-nannofossil ooze. Sediment color varies slightly in darkness but is always olive. Zoophycos traces and discrete burrows occur througout. Mottling is faint but present throughout.

Core Photo


Core 1240B-20H (Cored interval: 181.7-191.2 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
182
184
186
188
190
20
1
2
3
4
5
6
7
8
DIATOM NANNOFOSSIL OOZE and CLAY-BEARING DIATOM NANNOFOSSIL OOZE
This core contains diatom nannofossil ooze and clay-bearing diatom nannofossil ooze. Sediment color varies between dark olive, olive and light olive gray. Some intervals show laminated structures with alternations of dark brown to pale olive color. Mottling and burrow traces are observed throughout.

Core Photo

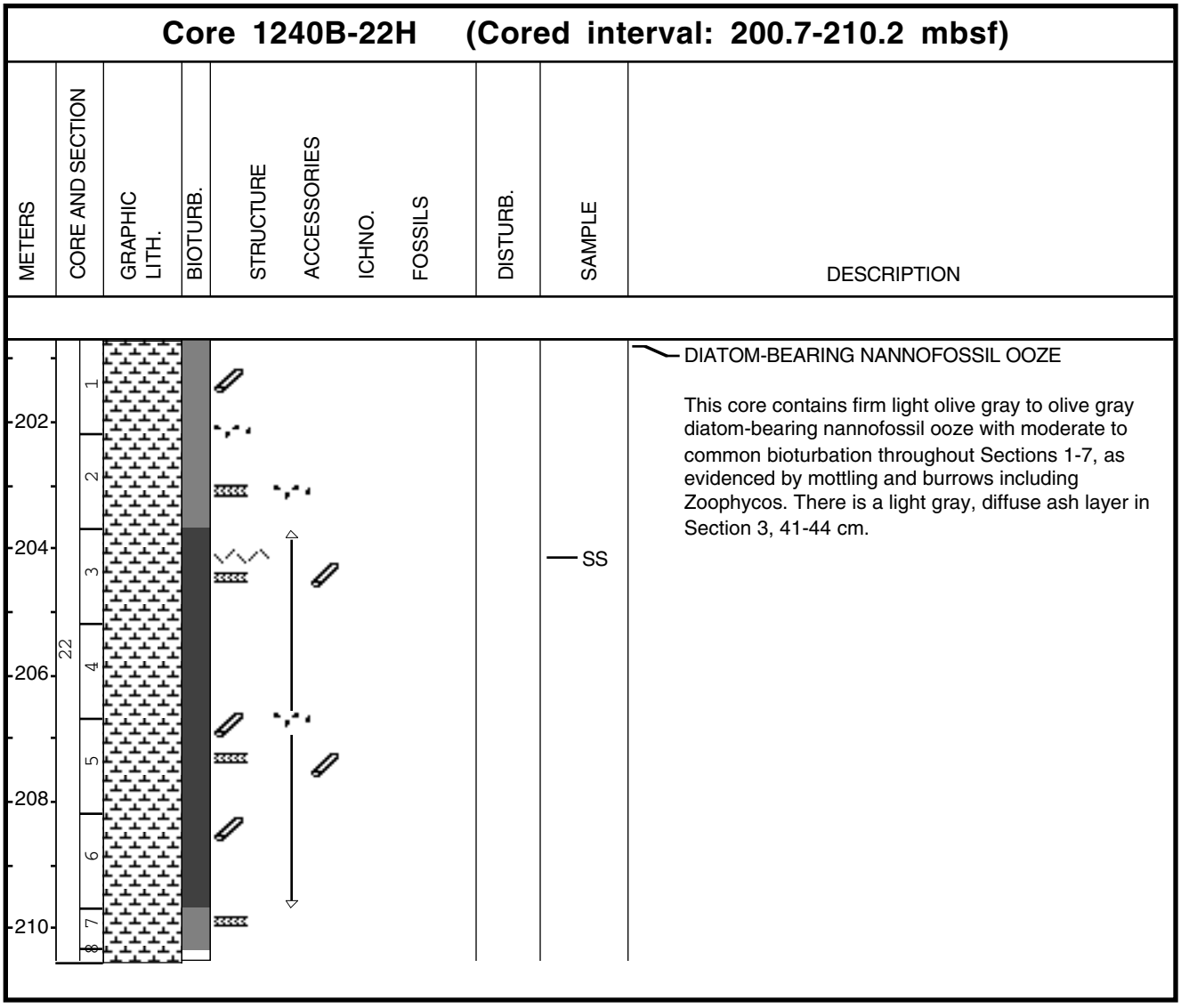
Core 1240B-21H (Cored interval: 191.2-200.7 mbsf)



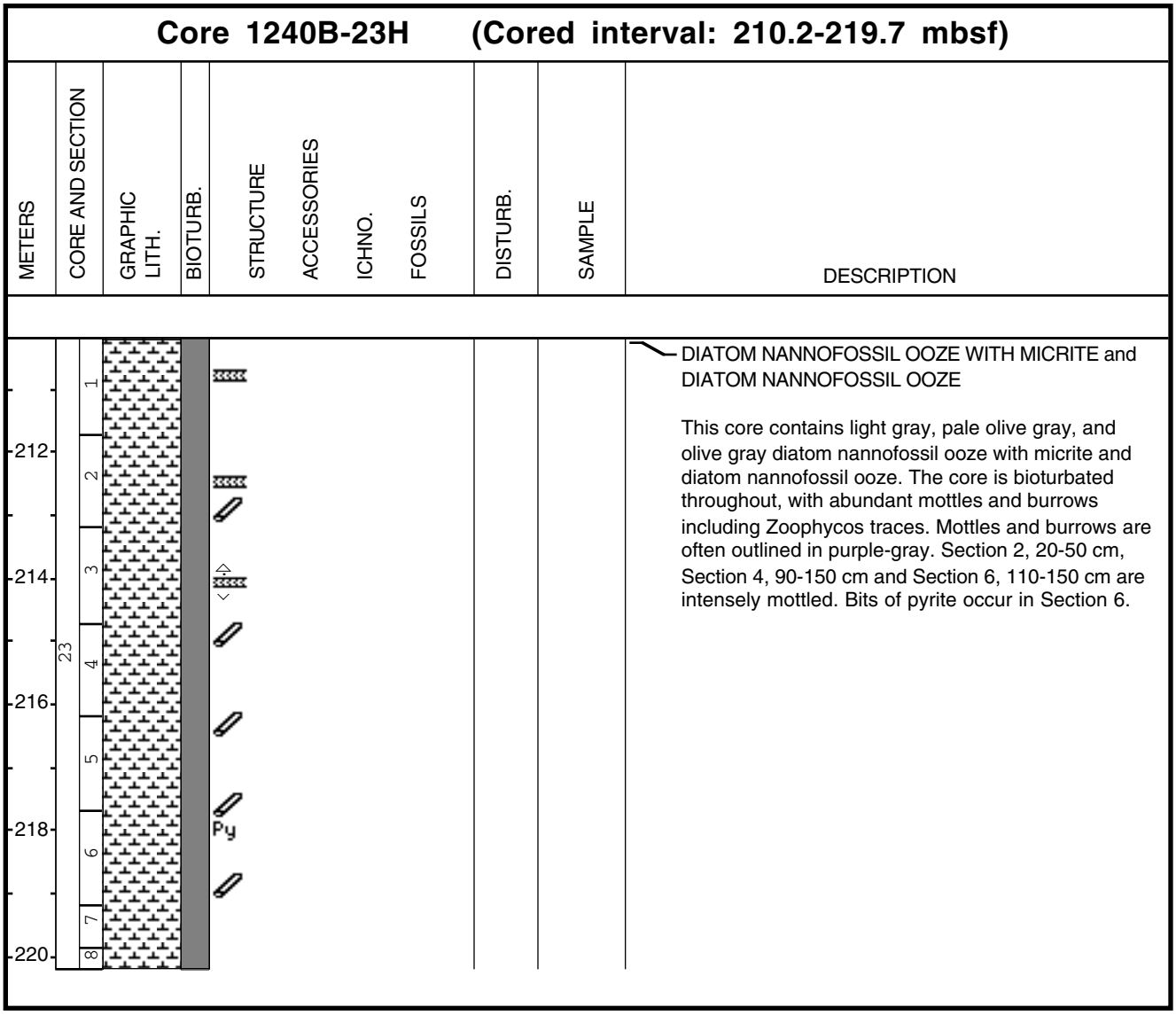
DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM NANNOFOSSIL OOZE

This core contains firm olive and olive gray to light olive gray diatom-bearing nannofossil ooze and diatom nannofossil ooze. Mottling and burrows are moderate to common throughout, indicating bioturbation. Both horizontal and vertical burrows are present, usually containing sediment of a different color.

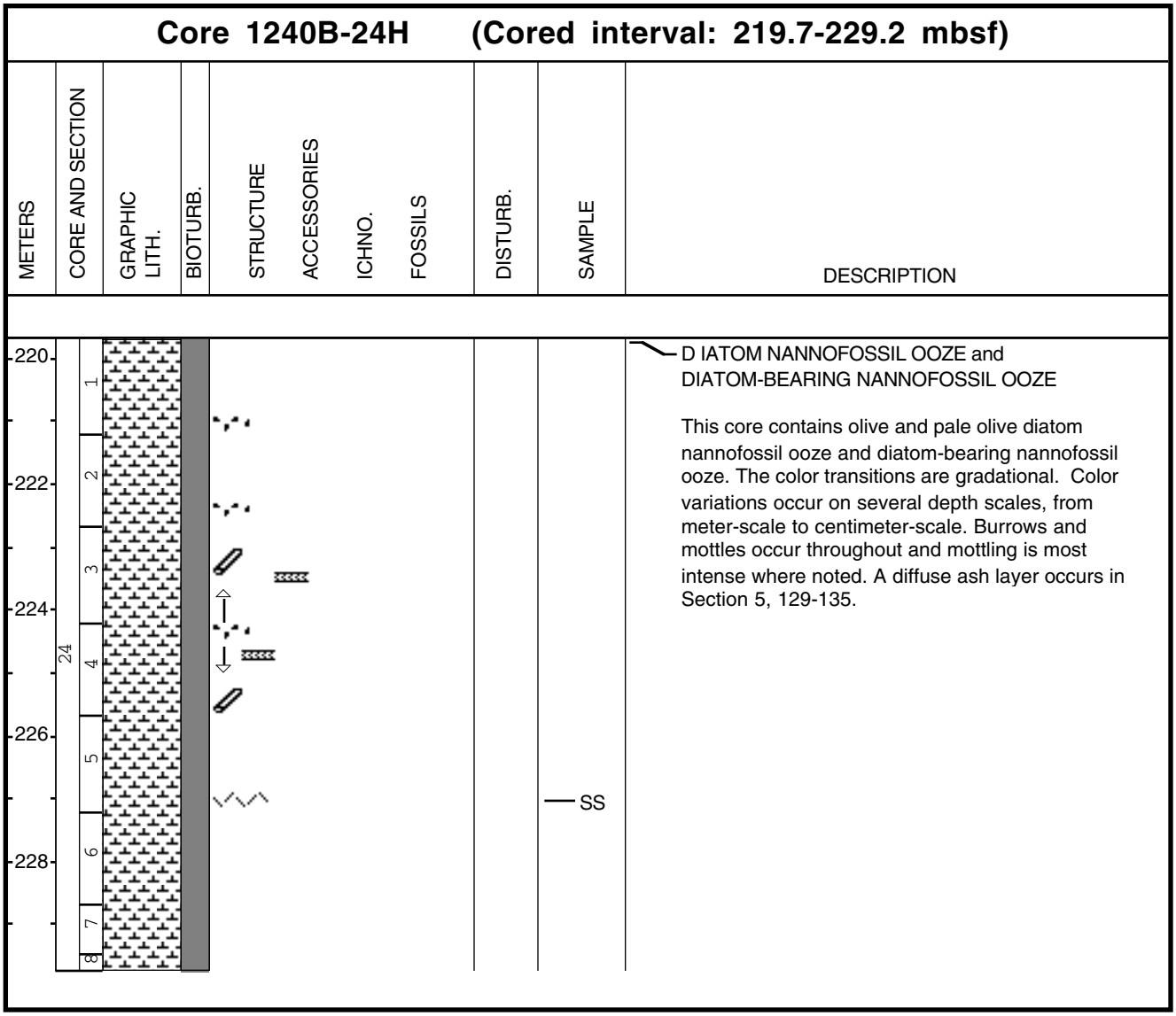
Core Photo


Core 1240B-22H (Cored interval: 200.7-210.2 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
SS
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains firm light olive gray to olive gray diatom-bearing nannofossil ooze with moderate to common bioturbation throughout Sections 1-7, as evidenced by mottling and burrows including Zoophycos. There is a light gray, diffuse ash layer in Section 3, 41-44 cm.

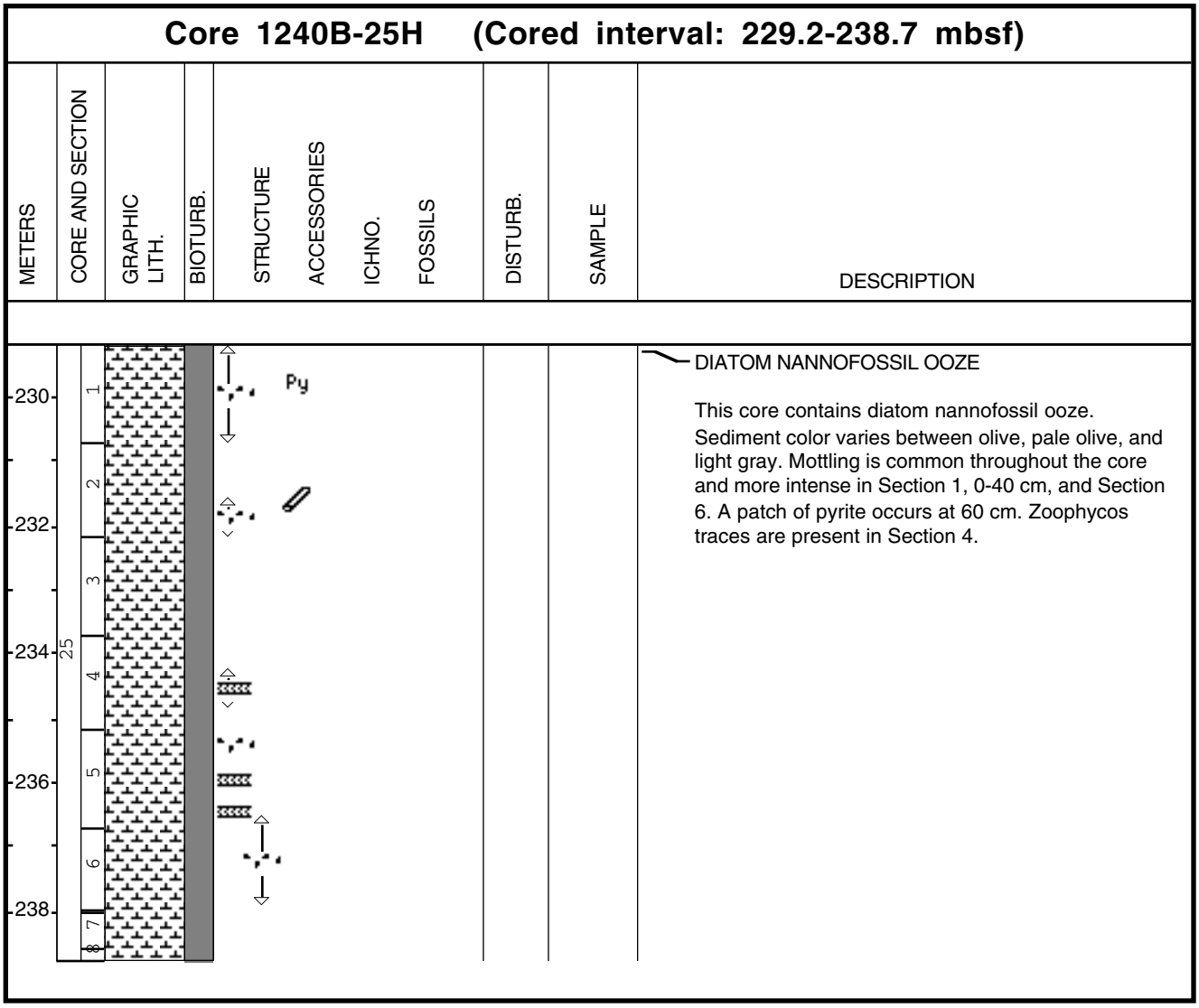
Core Photo


Core 1240B-23H (Cored interval: 210.2-219.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
212
214
216
218
220
23
1
2
3
4
5
6
7
8
Py
DIATOM NANNOFOSSIL OOZE WITH MICRITE and
DIATOM NANNOFOSSIL OOZE
This core contains light gray, pale olive gray, and olive gray diatom nannofossil ooze with micrite and diatom nannofossil ooze. The core is bioturbated throughout, with abundant mottles and burrows including Zoophycos traces. Mottles and burrows are often outlined in purple-gray. Section 2, 20-50 cm, Section 4, 90-150 cm and Section 6, 110-150 cm are intensely mottled. Bits of pyrite occur in Section 6.

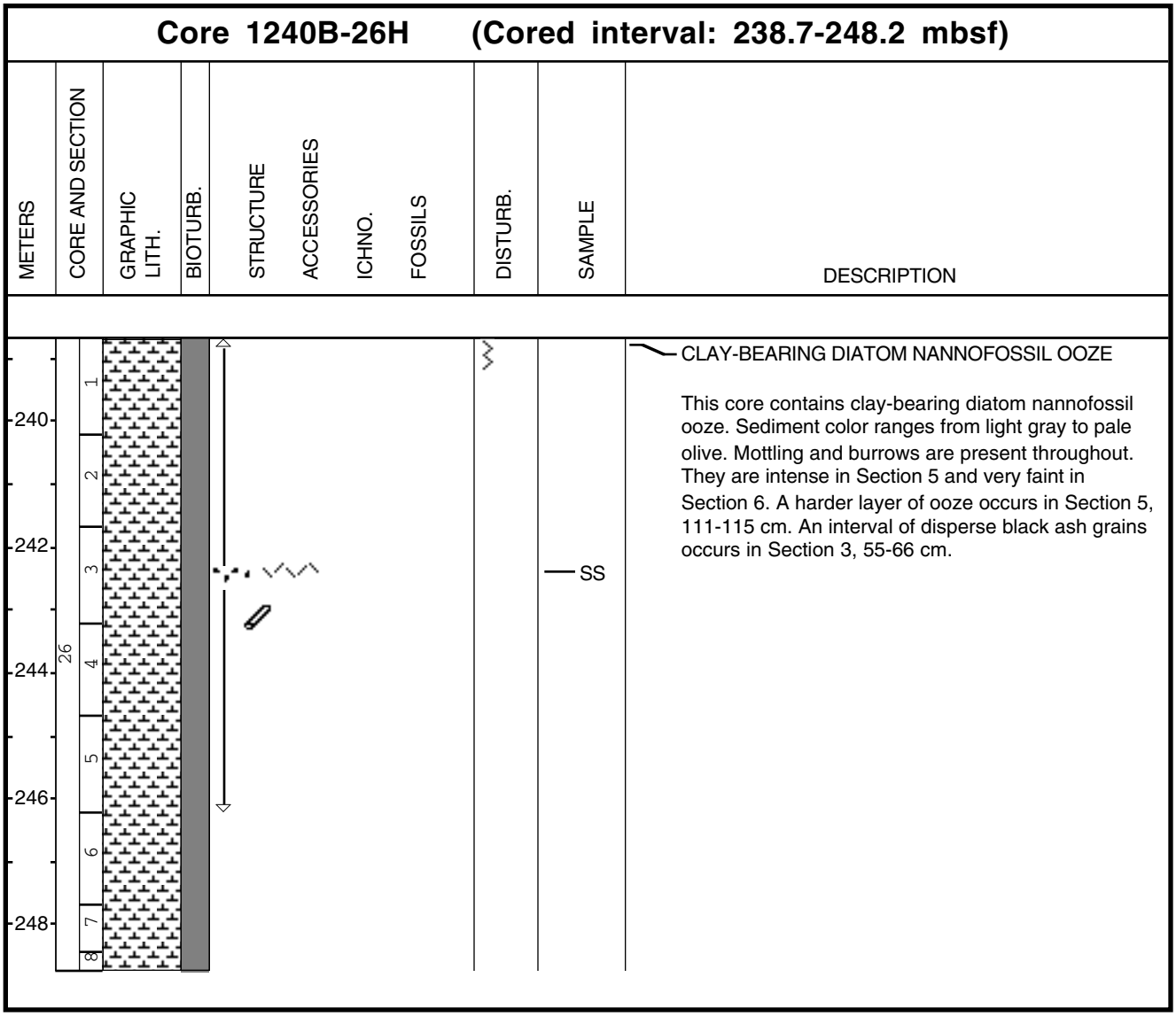
Core Photo


Core 1240B-24H (Cored interval: 219.7-229.2 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
220
222
224
226
228
24
1
2
3
4
5
6
7
8
SS
D IATOM NANNOFOSSIL OOZE and
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains olive and pale olive diatom nannofossil ooze and diatom-bearing nannofossil ooze. The color transitions are gradational. Color variations occur on several depth scales, from meter-scale to centimeter-scale. Burrows and mottles occur throughout and mottling is most intense where noted. A diffuse ash layer occurs in Section 5, 129-135.

Core Photo

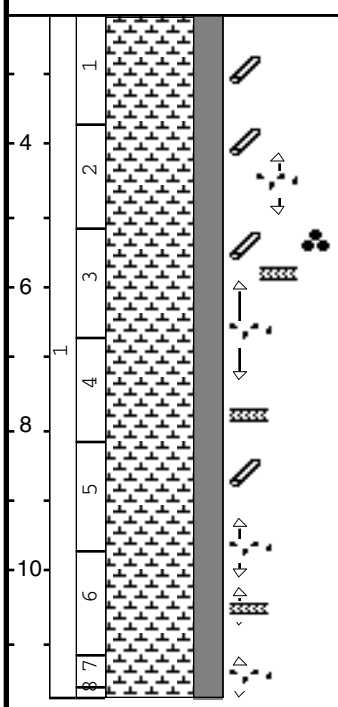

Core 1240B-25H (Cored interval: 229.2-238.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
230
232
234
236
238
25
1
2
3
4
5
6
7
Py
DIATOM NANNOFOSSIL OOZE
This core contains diatom nannofossil ooze. Sediment color varies between olive, pale olive, and light gray. Mottling is common throughout the core and more intense in Section 1, 0-40 cm, and Section 6. A patch of pyrite occurs at 60 cm. Zoophycos traces are present in Section 4.

Core Photo


Core 1240B-26H (Cored interval: 238.7-248.2 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
8
SS
CLAY-BEARING DIATOM NANNOFOSSIL OOZE
This core contains clay-bearing diatom nannofossil ooze. Sediment color ranges from light gray to pale olive. Mottling and burrows are present throughout. They are intense in Section 5 and very faint in Section 6. A harder layer of ooze occurs in Section 5, 111-115 cm. An interval of disperse black ash grains occurs in Section 3, 55-66 cm.

Core Photo

Core 1240C-1H (Cored interval: 2.2-11.7 mbsf)

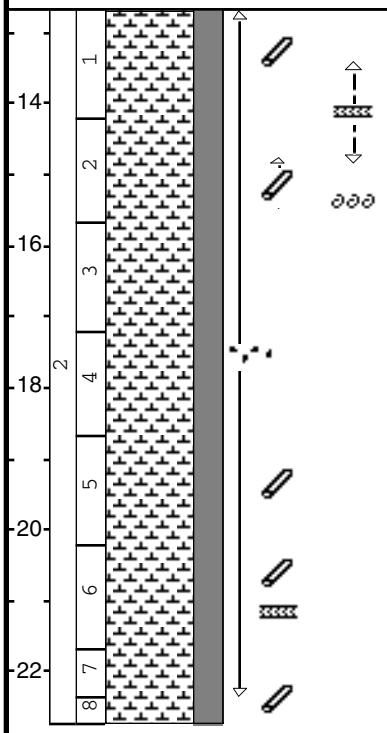


DIATOM-BEARING NANNOFOSSIL OOZE AND CLAY
DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE

This core contains diatom-bearing nannofossil ooze and clay diatom foraminifer-bearing nannofossil ooze. The sediment alternates between bioturbated olive gray-olive ooze and slightly-moderately mottled light olive gray-light olive ooze. A patch of forams is present in Section 3, 13 cm. Zoophycos traces are common in Sections 3, 4, and 6.

Core Photo

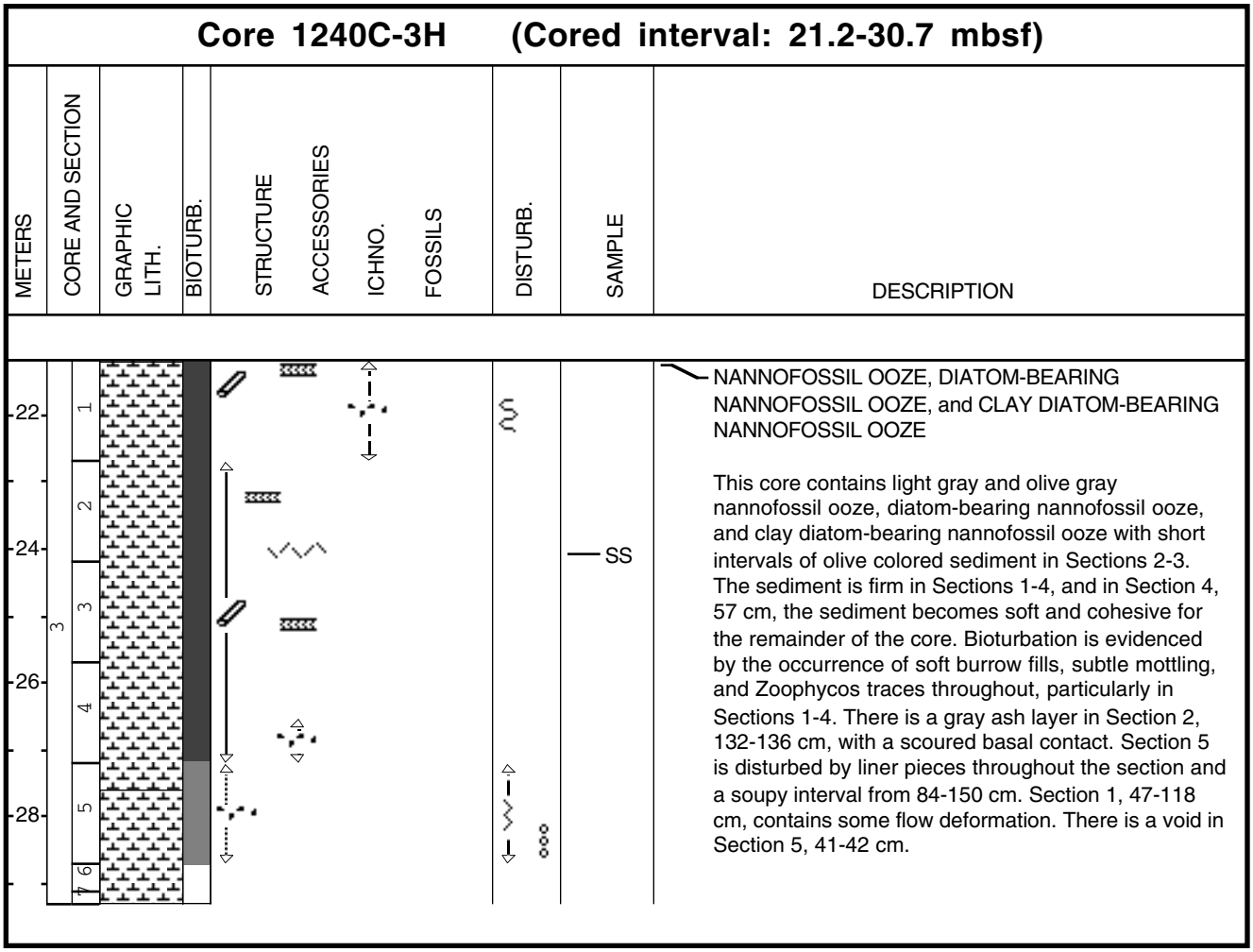
Core 1240C-2H (Cored interval: 11.7-21.2 mbsf)



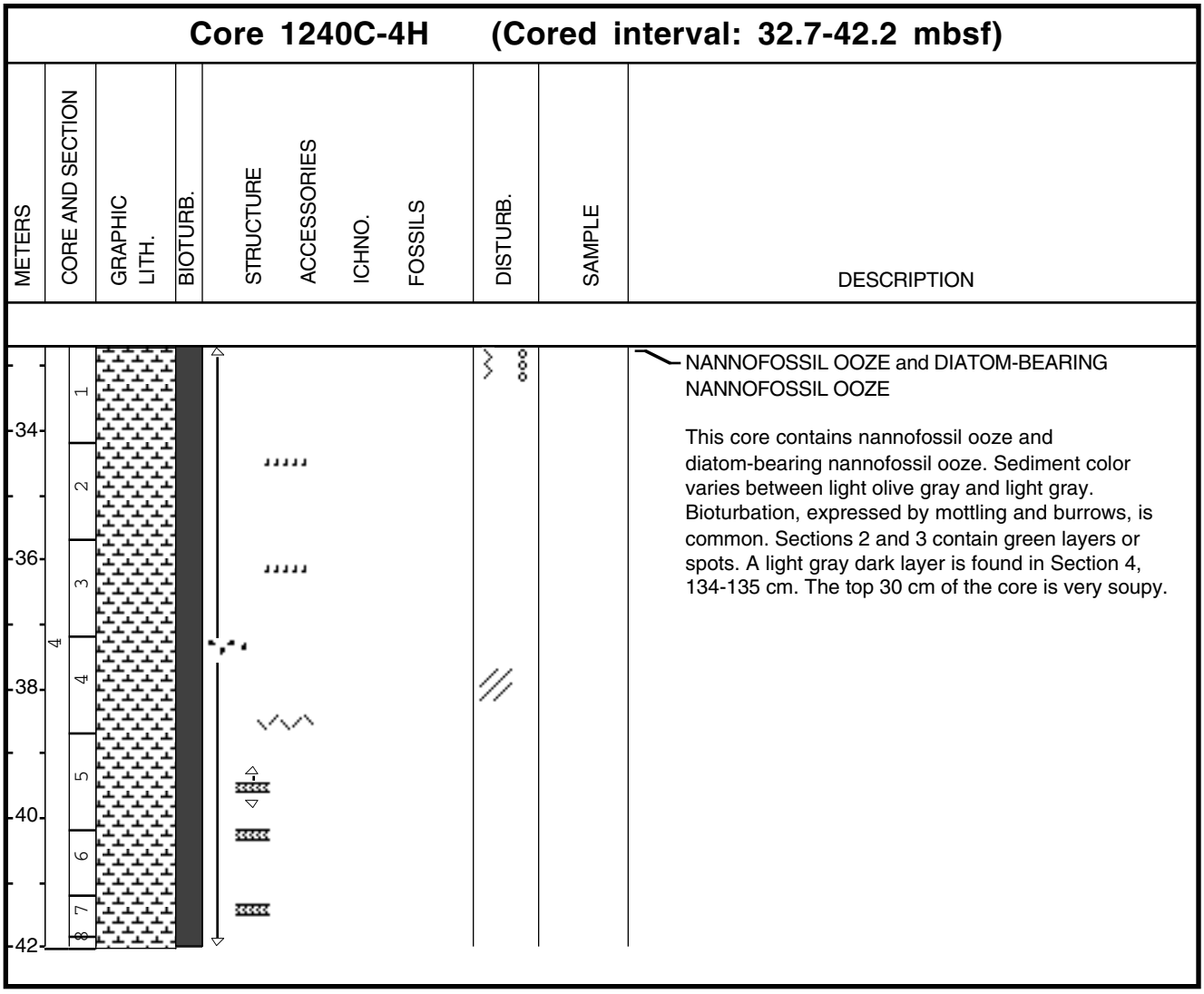
DIATOM-BEARING NANNOFOSSIL OOZE, CLAY DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE, and NANNOFOSSIL OOZE

This core contains diatom-bearing nannofossil ooze, clay diatom foraminifer-bearing nannofossil ooze, and nannofossil ooze. Sediment color varies between olive, light olive, light olive gray and light gray with abundant purple-gray color mottling in the lighter colored ooze. Burrows including Zoophycos traces, often outlined in purple-gray, are frequent. Visible forams are abundant.

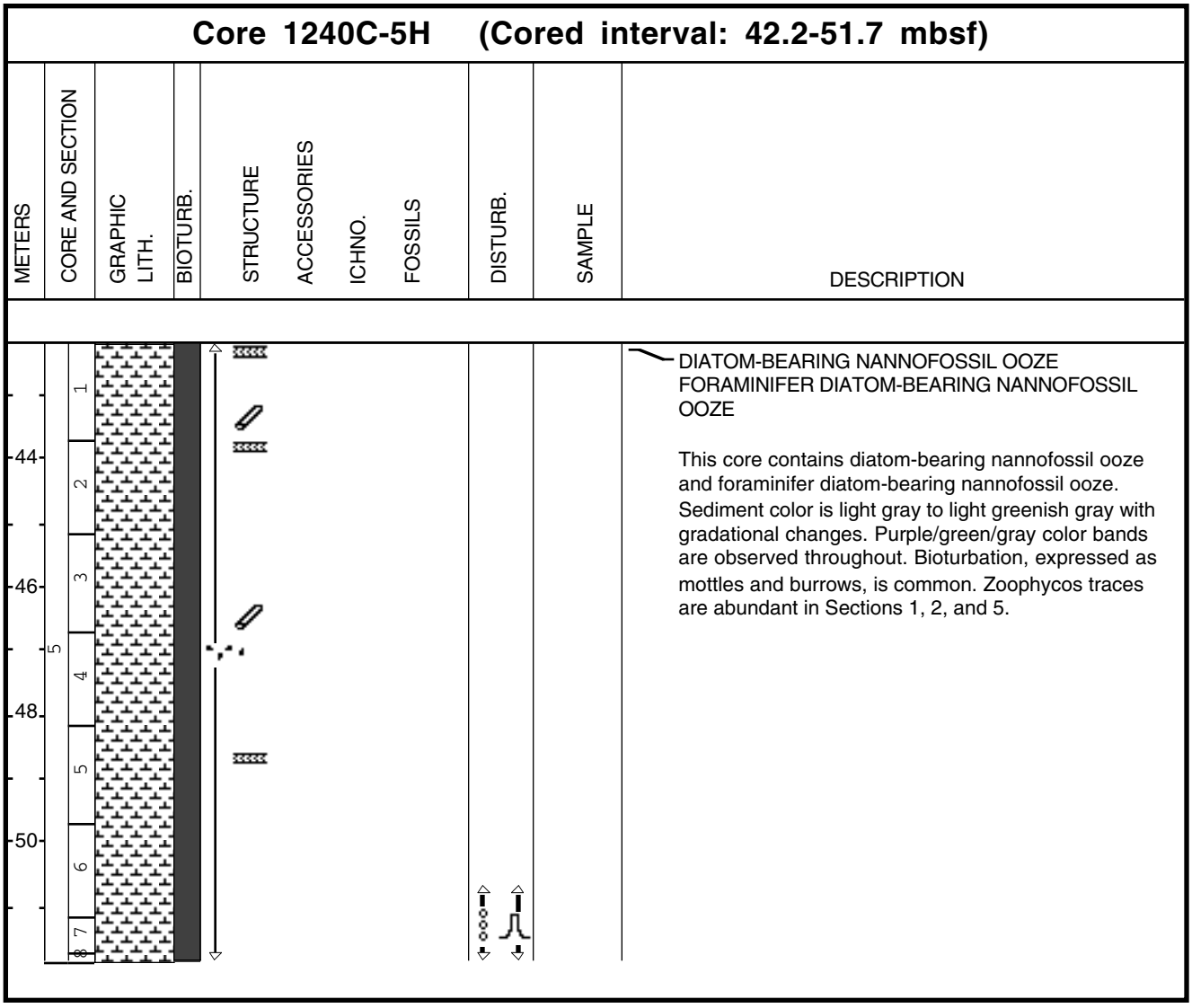
Core Photo


Core 1240C-3H (Cored interval: 21.2-30.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
22
24
26
28
3
1
2
3
4
5
6
SS
NANNOFOSSIL OOZE, DIATOM-BEARING NANNOFOSSIL OOZE, and CLAY DIATOM-BEARING NANNOFOSSIL OOZE
This core contains light gray and olive gray nannofossil ooze, diatom-bearing nannofossil ooze, and clay diatom-bearing nannofossil ooze with short intervals of olive colored sediment in Sections 2-3. The sediment is firm in Sections 1-4, and in Section 4, 57 cm, the sediment becomes soft and cohesive for the remainder of the core. Bioturbation is evidenced by the occurrence of soft burrow fills, subtle mottling, and Zoophycos traces throughout, particularly in Sections 1-4. There is a gray ash layer in Section 2, 132-136 cm, with a scoured basal contact. Section 5 is disturbed by liner pieces throughout the section and a soupy interval from 84-150 cm. Section 1, 47-118 cm, contains some flow deformation. There is a void in Section 5, 41-42 cm.

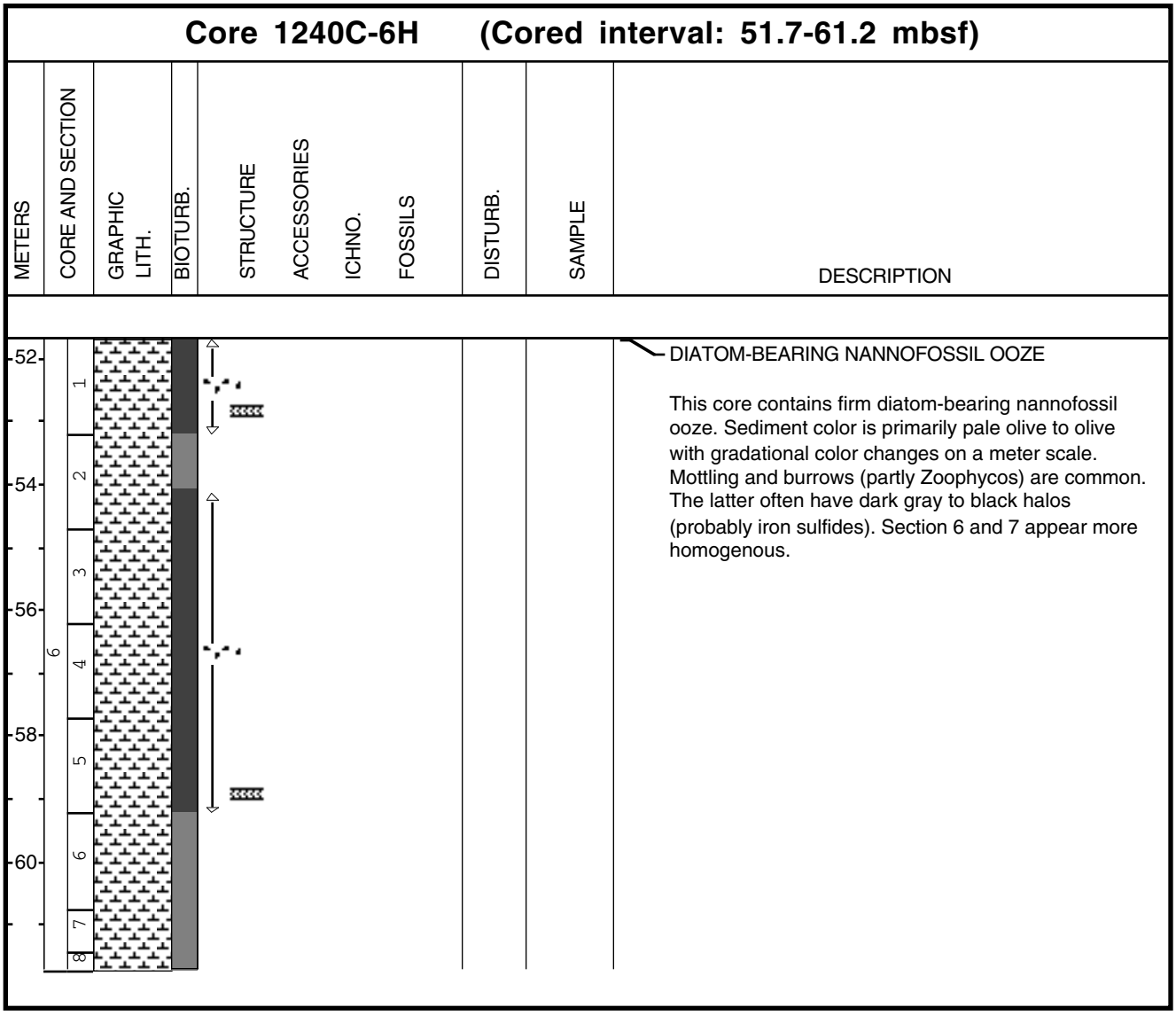
Core Photo


Core 1240C-4H (Cored interval: 32.7-42.2 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
34
36
38
40
42
4
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
This core contains nannofossil ooze and diatom-bearing nannofossil ooze. Sediment color varies between light olive gray and light gray. Bioturbation, expressed by mottling and burrows, is common. Sections 2 and 3 contain green layers or spots. A light gray dark layer is found in Section 4, 134-135 cm. The top 30 cm of the core is very soupy.

Core Photo

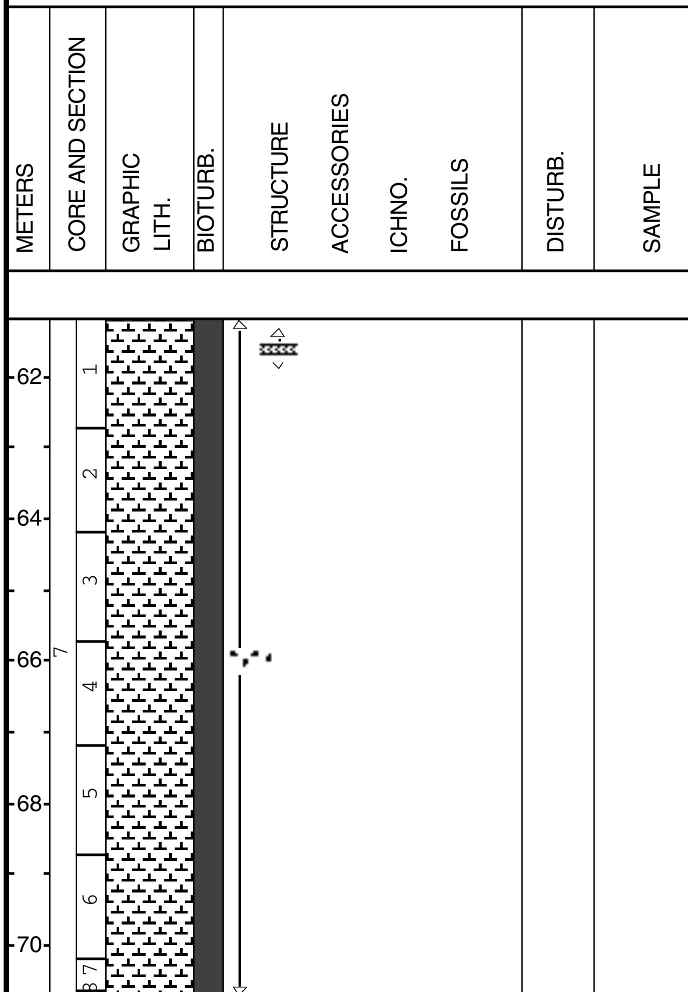

Core 1240C-5H (Cored interval: 42.2-51.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
44
46
48
50
5
1
2
3
4
5
6
7
DIATOM-BEARING NANNOFOSSIL OOZE
FORAMINIFER DIATOM-BEARING NANNOFOSSIL OOZE
This core contains diatom-bearing nannofossil ooze and foraminifer diatom-bearing nannofossil ooze. Sediment color is light gray to light greenish gray with gradational changes. Purple/green/gray color bands are observed throughout. Bioturbation, expressed as mottles and burrows, is common. Zoophycos traces are abundant in Sections 1, 2, and 5.

Core Photo


Core 1240C-6H (Cored interval: 51.7-61.2 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
52
54
56
58
60
6
1
2
3
4
5
6
7
8
DIATOM-BEARING NANNOFOSSIL OOZE
This core contains firm diatom-bearing nannofossil ooze. Sediment color is primarily pale olive to olive with gradational color changes on a meter scale. Mottling and burrows (partly Zoophycos) are common. The latter often have dark gray to black halos (probably iron sulfides). Section 6 and 7 appear more homogenous.

Core Photo

Core 1240C-7H (Cored interval: 61.2-70.7 mbsf)



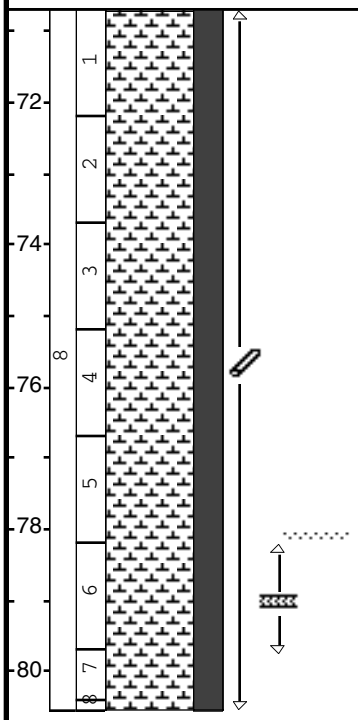
DESCRIPTION

DIATOM-BEARING NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE

This core contains firm diatom-bearing nannofossil ooze and foraminifer-bearing nannofossil ooze. Sediment color is primarily pale olive to olive with gradational color changes. Decimeter-scale color changes from pale olive to olive-brown are present in Sections 5 and 6. Mottling and burrows (partly Zoophycos) are common. The latter often have dark gray to black halos (probably iron sulfides). From Section 6 (120 cm) downcore the sediment is soupy.

Core Photo

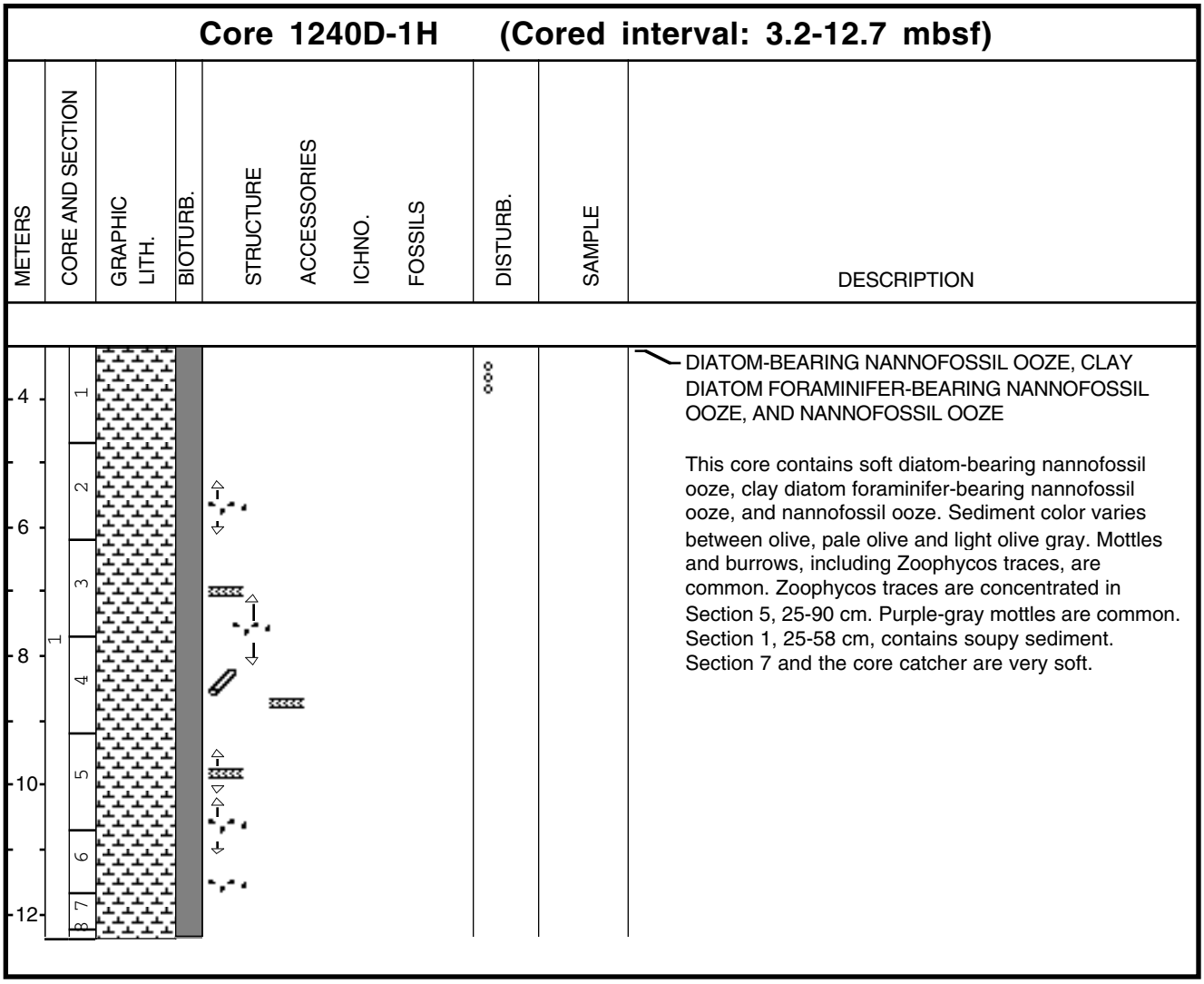
Core 1240C-8H (Cored interval: 70.7-80.2 mbsf)



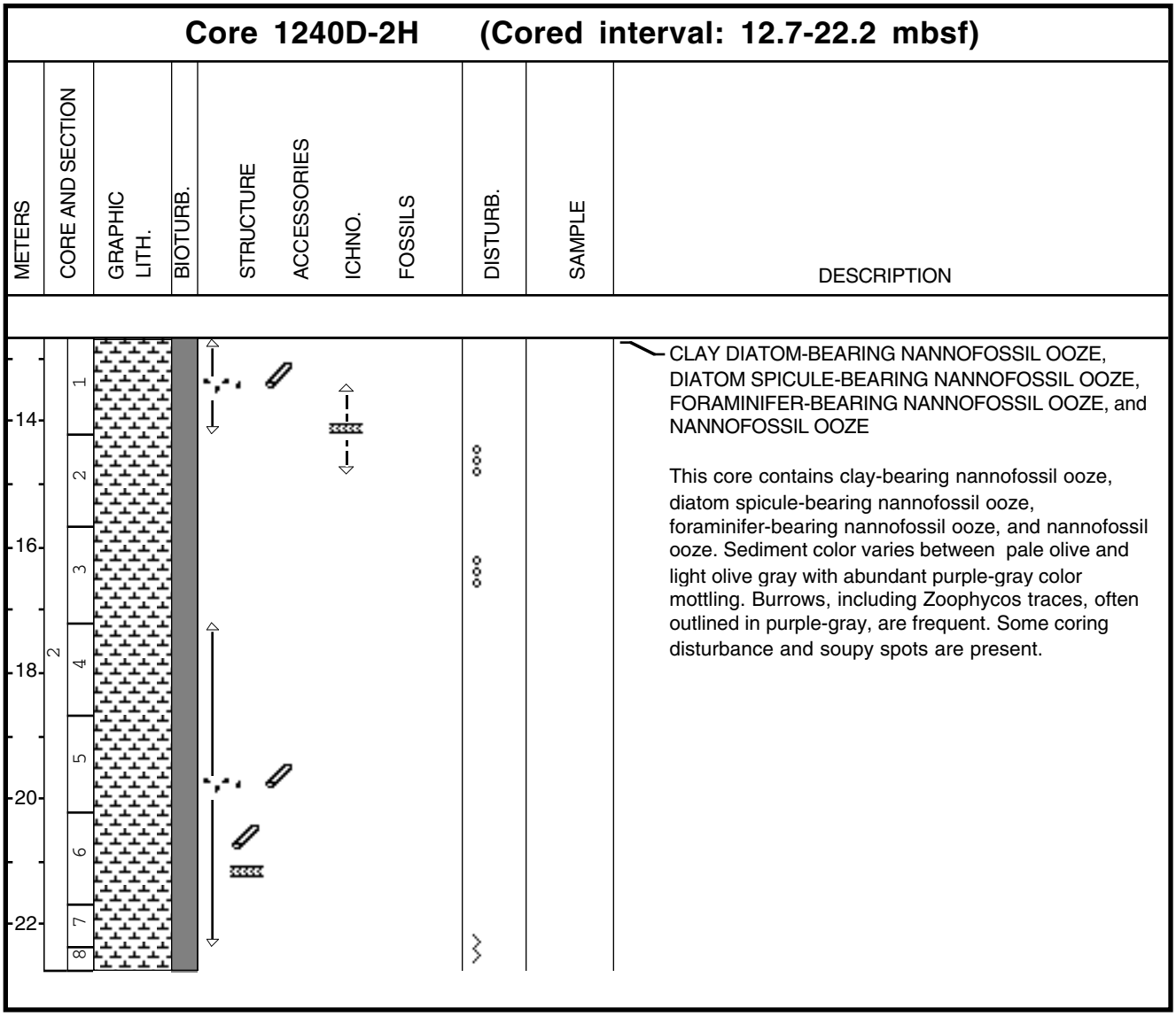
NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE

This core contains firm light olive gray to olive gray nannofossil ooze and diatom-bearing nannofossil ooze with burrows, including Zoophycos, throughout. Some vertical burrows occur in Section 5, 54-62 cm and 72-87 cm. Some burrows are filled with soft, cohesive sediment, and some also have halos. Zoophycos traces are especially abundant in Section 6. There is a sandy foraminifer-rich lamina in Section 5, 137 cm.

Core Photo

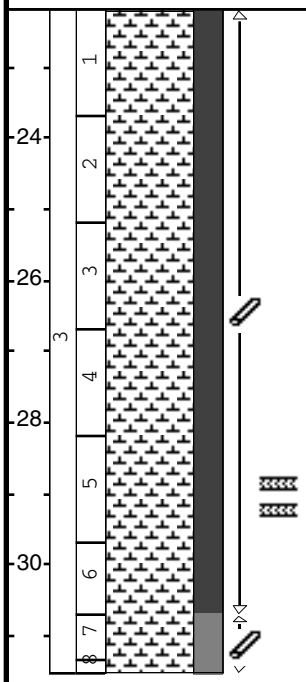

Core 1240D-1H (Cored interval: 3.2-12.7 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
4
6
8
10
12
1
1
2
3
4
5
6
7
CC
DIATOM-BEARING NANNOFOSSIL OOZE, CLAY
DIATOM FORAMINIFER-BEARING NANNOFOSSIL OOZE, AND NANNOFOSSIL OOZE
This core contains soft diatom-bearing nannofossil ooze, clay diatom foraminifer-bearing nannofossil ooze, and nannofossil ooze. Sediment color varies between olive, pale olive and light olive gray. Mottles and burrows, including Zoophycos traces, are common. Zoophycos traces are concentrated in Section 5, 25-90 cm. Purple-gray mottles are common. Section 1, 25-58 cm, contains soupy sediment. Section 7 and the core catcher are very soft.

Core Photo


Core 1240D-2H (Cored interval: 12.7-22.2 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
14
16
18
20
22
2
1
2
3
4
5
6
7
8
CLAY DIATOM-BEARING NANNOFOSSIL OOZE, DIATOM SPICULE-BEARING NANNOFOSSIL OOZE, FORAMINIFER-BEARING NANNOFOSSIL OOZE, and NANNOFOSSIL OOZE
This core contains clay-bearing nannofossil ooze, diatom spicule-bearing nannofossil ooze, foraminifer-bearing nannofossil ooze, and nannofossil ooze. Sediment color varies between pale olive and light olive gray with abundant purple-gray color mottling. Burrows, including Zoophycos traces, often outlined in purple-gray, are frequent. Some coring disturbance and soupy spots are present.

Core Photo

Core 1240D-3H (Cored interval: 22.2-31.7 mbsf)



NANNOFOSSIL OOZE, DIATOM-BEARING NANNOFOSSIL O0ZE, and CLAY DIATOM-BEARING NANNOFOSSIL OOZE

This core contains firm light olive gray to olive gray nannofossil ooze, diatom-bearing nannofossil ooze, and clay diatom-bearing nannofossil ooze. Moderate to common bioturbation is evidenced by frequent horizontal and vertical burrow fills. Some of these burrow structures are filled with softer, more cohesive sediment of a different color than the surrounding sediment, and some have halos. Zoophycos occurs in Section 5. Sulfides occur on the sediment surface in Sections 3-6. Section 6 contains an interval with patchy green sediment from 40-100 cm. Section 1, 5-12 cm, is soupy.

Sample					Texture				Mineral																											Biogenic												Rock			
Core	**Type**	**Section**	**Top (cm)**	**Depth (mbsf)**	**Lithology**	**Sand (%)**	**Silt (%)**	**Clay (%)**	**Amphibole (8)**	**Calcite (30)**	**Chalcedony (42)**	**Clay Mineral (47)**	**Clinopyroxene (49)**	**Dolomite (62)**	**Epidote (67)**	**Feldspar (71)**	**Garnet (79)**	**Glauconite (82)**	**Heavy Minerals (89)**	**Hematite (90)**	**Inorganic Calcite (97)**	**Iron Oxides (260)**	**Mica (118)**	**Opaques (140)**	**Orthopyroxene (143)**	**Oxides (146)**	**Palagonite (148)**	**Phillipsite (155)**	**Pyrite (169)**	**Pyroxene (171)**	**Quartz (172)**	**Rutile (178)**	**Titanite (210)**	**Volcanic Glass (81)**	**Zircon (223)**	**Calcareous Spicules (259)**	**Diatoms (58)**	**Dinoflagellate (59)**	**Discoaster (61)**	**Fish Teeth (261)**	**Foraminifers (78)**	**Nannofossils (132)**	**Pollen (162)**	**Radiolarians (173)**	**Siliceous Sponge Spicules (185)**	**Silicoflagellates (189)**	**Unknown (258)**	**Bioclasts (21)**	**Micrite (119)**	**Volcanic Fragments (220)**	**Comments**
Hole A																																																			
1	H	1	1	0.01	D	0	0	100				9				R						9					R							R		2	12				5	61		R	2	R					Diatom-bearing nannofossil ooze
1	H	1	20	0.2	D							10				R						R	R		R		R							R		2	29				8	38		4	R	2		4	4		Clay-bearing diatom nannofossil ooze
1	H	1	75	0.75	D	0	0	100				7										R												R			15	R			7	67		3		R					Diatom-bearing nannofossil ooze
1	H	2	75	2.26	D	0	0	100				7				R						1												R		1	26	R			9	53		R	1	1					Diatom nannofossil ooze
2	H	1	75	4.25	D							5											R											R		R	18	R			8	53		3	8	3			3		Diatom-bearing nannofossil ooze
2	H	3	75	7.27	D	0	0	15				15																						R			10	R			10	65		1	R	R					Clay diatom-foram-bearing nannofossil ooze
2	H	4	35	8.38	D				R			4				R							R						R					R		R	6	R			9	74		2	R	1			4		Nannofossil ooze
3	H	1	8	13.08	M				R			13								R			R		R				1					R			33				7	39		R	4	R			3		Clay-bearing diatom nannofossil ooze
3	H	1	35	13.35	D	0	0	100				16								R									2								16				2	65									Clay diatom-bearing nannofossil ooze
3	H	1	74	13.74	M	0	0	100				11																	1					R			8	R			2	77		1	R	R					Clay-bearing nannofossil ooze
3	H	1	75	13.75	D							5											R								R			R		R	13				8	51		R	18	2			2		Diatom spicules-bearing nannofossil ooze
3	H	3	75	16.77	D				R			8				R							R											R		R	4				12	62		8	R	4			R		Foraminifer-bearing nannofossil ooze
3	H	6	75	21.29	D							4				R							R											R			6				2	85		R	R	2			R		Nannofossil ooze
4	H	1	33	22.83	M																																														Ash patch
4	H	1	75	23.25	D							4				R							R											R			9				9	71		2		2			4		Nannofossil ooze
4	H	3	75	26.26	D							5																									15	R			3	77		R		R					Diatom-bearing nannofossil ooze
4	H	6	9	30.12	M				R			5																						R			14	R			8	54		R	R	R			19		Diatom-bearing nannofossil ooze with micrite
4	H	6	35	30.38	D	0	0	100				10								R							R		1			R		R		R	16	R			7	63		2	R	1					Clay diatom-bearing nannofossil ooze
5	H	1	75	32.75	D				R			1																						R			3	R		R	R	92		R	R	R			4		Nannofossil ooze
5	H	2	97	34.47	M																																														Ash patch
5	H	3	75	35.76	D							4											R											R		R	10				7	71		R	1	1			4		Diatom-bearing nannofossil ooze
6	H	1	75	42.25	D							3				R							R				R										16				R	78		R	R	R			3		Diatom-bearing nannofossil ooze
6	H	3	75	45.28	D	0	0	100				8																	R								13				10	69		R	R	R					Foram diatom-bearing nannofossil ooze
6	H	3	102	45.55	M	0	0	100				5											R		R				2					R			23				19	51		R	R	R					Foram diatom-bearing nannofossil ooze
6	H	5	111	48.66	D	0	0	100				4											R				R		2								18				4	70		R	R	R			4		Diatom-bearing nannofossil ooze
7	H	1	75	51.75	D	0	0	100				6																	1								12				4	76		R	R	R			1		Diatom-bearing nannofossil ooze
7	H	3	75	54.77	D							3																									15				R	76		R	1	1			3		Diatom-bearing nannofossil ooze
7	H	4	58	56.11	M	0	0	100				2																	2					R		R	20	R			3	70		R	R	1			2		Diatom-bearing nannofossil ooze
7	H	6	75	59.3	M							6				R													R					R		R	11	R			8	72		1	R	R			2		Diatom-bearing nannofossil ooze
7	H	6	111	59.66	M	0	0	100				13											R		R		R		6								19	R			19	38		4	R	R			3		Clay foram-diatom-bearing nannofossil ooze
8	H	1	75	61.25	D							2																	R					R			12				2	80		2	R	R			2		Diatom-bearing nannofossil ooze
8	H	3	75	64.26	D	0	0	100				2											R											R			8				17	68		2	2	R			2		Foraminifer-bearing nannofossil ooze
9	H	1	75	70.75	D							5																						R			17				3	68		2	R	R			5		Diatom-bearing nannofossil ooze
9	H	3	75	73.76	D	0	0	100				2																	R					R			12				9	69		3	R	2			3		Diatom-bearing nannofossil ooze
9	H	4	120	75.72	D							2																	R					2			11				4	76		R	R	2			4		Diatom-bearing nannofossil ooze
9	H	4	126	75.78	D							2																	R					R			8				5	81		R	R	R			5		Nannofossil ooze
10	H	1	75	80.25	D	0	R	100				5				R													2					R			13				8	66		2	R	2			3		Diatom-bearing nannofossil ooze
10	H	3	75	83.26	D							2																	R					R			13				6	74		4	R	R			2		Diatom-bearing nannofossil ooze
11	H	3	75	92.64	D							5				R													R								34	R			10	36		2	R	6			7		Foram-bearing diatom nannofossil ooze
11	H	6	53	96.95	D							8				R													R								40				7	30		2	R	2			10		Nannofossil diatom ooze with micrite
12	H	1	75	99.25	D							4																	R					R			14				9	62		2	R	R			9		Diatom-bearing nannofossil ooze
12	H	3	75	102.25	D							6																						2			20				6	49		4	R	4			10		Diatom-bearing nannofossil ooze with micrite
12	H	4	96	103.96	M							9																	R					R			45				5	36		2	R	2			2		Nannofossil diatom ooze -“diatom mads”
13	H	1	75	108.75	D							8				R													R					R			32				5	48		R	R	1			5		Diatom nannofossil ooze
13	H	3	75	111.75	D							8																	R					2			34				5	42		5	R	2			2		Diatom nannofossil ooze

Sample					Texture				Mineral																											Biogenic												Rock			
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Calcite (30)	Chalcedony (42)	Clay Mineral (47)	Clinopyroxene (49)	Dolomite (62)	Epidote (67)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Hematite (90)	Inorganic Calcite (97)	Iron Oxides (260)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Oxides (146)	Palagonite (148)	Phillipsite (155)	Pyrite (169)	Pyroxene (171)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Calcareous Spicules (259)	Diatoms (58)	Dinoflagellate (59)	Discoaster (61)	Fish Teeth (261)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Unknown (258)	Bioclasts (21)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole A (continued)																																																			
13	H	4	95	113.46	D							10																	R					R			43				1	36		3	R	1			4		Clay-bearing nannofossil diatom ooze
14	H	1	75	118.25	D							3											R											R			35				R	56		R		1			4		Diatom nannofossil ooze
14	H	3	75	121.26	D							5																						R			18				R	74		R	R	R			2		Diatom-bearing nannofossil ooze
15	H	1	75	127.75	D							4				R							R														45				R	45		1		1			3		Diatom-nannofossil ooze
15	H	3	75	130.77	D							4																	R								44				R	44		R		2			5		Diatom-nannofossil ooze
16	H	1	75	137.25	D							5				1		R					R	R	R									3			41				2	41		R	R	1			5		Diatom-nannofossil ooze
16	H	2	75	138.75	D							3																	R					R			72				R	14		R		R			10		Nannofossil-bearing diatom ooze with micrite
16	H	3	75	140.25	D							5				R							R											R			43				2	43		1		R			5		Diatom-nannofossil ooze
17	H	1	75	146.75	D	0	0	100				11																	1								26				3	53		1	R	2			3		Clay-bearing diatom nannofossil ooze
17	H	3	75	149.77	D							17						R					R						1								26				3	51		R	R	R			3		Clay-bearing diatom nannofossil ooze
18	H	1	75	156.25	D							14											R						R					3			55				R	20		R		1			7		Clay nannofossil-bearing diatom ooze
18	H	3	75	159.25	D	0	0	100				13						R											1								22				2	57		2					4		Clay diatom-bearing nannofossil ooze
19	H	1	75	165.75	D							12																									42				R	42		R		R			5		Clay-bearing diatom-nannofossil ooze
19	H	3	75	168.77	D							4																						R			45				R	45		R		1			4		Diatom-nannofossil ooze
20	H	1	75	175.25	D	0	0	100				6											R						2								30	R			4	55		R	R	R			2		Diatom nannofossil ooze
20	H	3	75	178.27	D	0	0	100				11																	1								34	R		R	3	45		R	R	R			6		Clay-bearing diatom nannofossil ooze
20	H	4	101	180.04	D							30						R		R		7							R								15				3	45		R		R					Clayey diatom-bearing nannofossil ooze
20	H	5	72	181.26	M							9				R							R						2					R			19				4	66		R	R	R					Diatom-bearing nannofossil ooze
21	H	1	75	184.75	D							13				R													R					R			19				4	58		R	R	R			6		Clay diatom-bearing nannofossil ooze
21	H	3	75	187.77	D				R			4				R													R					R			14				6	71		2	R	R			2		Diatom-bearing nannofossil ooze
21	H	4	75	189.26	D							2																	R					2			25				2	59		2	R	R			8		Diatom-bearing nannofossil ooze
22	H	1	75	194.25	D						R	R				R				R									R	R				R			32				1	63		1	R	1			1		Diatom nannofossil ooze
22	H	3	75	197.27	D				R		R	12				R													1		R			1			29				2	47		1	R	2			4		Clay-bearing diatom nannofossil ooze
22	H	6	105	202.09	M																																														Ash
23	H	1	75	203.75	D							8											R						R					R			20				5	59		2	R	R			6		Diatom-bearing nannofossil ooze
23	H	3	75	206.77	D				R		R	R				R																		3			27				3	55		1	R	1			10		Diatom nannofossil ooze with micrite
24	H	1	75	213.25	D						R	9				R													1					1			32				2	45		2	R	2			4		Diatom nannofossil ooze
24	H	3	75	216.27	D						2	R				R							R											2			23				5	62		2	R	2			3		Diatom-bearing nannofossil ooze
24	H	6	31	220.37	M							9				R													R					1			26				3	51		3		1			6		Diatom nannofossil ooze
25	H	1	75	222.75	D						R	4	R			R													R					3			27				7	53		1	R	1			4		Diatom nannofossil ooze
25	H	2	91	224.42	M																																														Ash
25	H	3	75	225.77	D						R	3				R													R					3			28				1	56		1	R	1			7		Diatom nannofossil ooze
25	H	4	78	227.31	M																																														Ash
25	H	4	85	227.38	M																																														Ash
26	H	1	75	232.25	D						R	9				R							R						1					1			30				2	49		1	R	2			4		Diatom nannofossil ooze
26	H	3	75	235.27	D						R	11				R							R						R								33				5	44		1	R	2			3		Clay-bearing diatom nannofossil ooze
27	H	1	75	241.75	D						R	10				R													R					1			30				3	51		1		2			2		Clay-bearing diatom nannofossil ooze
27	H	3	75	244.77	D				R		R	11				R													R					1			34				3	45		R	R	R			6		Clay-bearing diatom nannofossil ooze
27	H	7	36	250.43	M							9																	R					2			34				2	52		2	R	R					Diatom nannofossil ooze
28	H	1	75	251.25	D						R	2																	R					6			10				4	73		2	R	R			2		Diatom-bearing nannofossil ooze
28	H	2	70	252.71	D						R	6																									14				6	61		2	R	R			10		Diatom-bearing nannofossil ooze with micrite
28	H	3	20	253.72	M						R	13				R																					19				6	48		4	R	R			10		Clay diatom-bearing nanno ooze with micrite
28	H	3	45	253.97	M						2	12				R		3						8					3								12				8	42		2	R	R			8		Clay-diatom-bearing nannofossil ooze; auth. G
28	H	3	60	254.12	M				R			8		5				2											15								15				5	30		R	R	R			20		Diatom-bearing nanno w. micrite+pyr.; auth. G

Sample					Texture				Mineral																											Biogenic												Rock			
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Hole B																																																			
4	H	3	140	32.11	M	0	0	100				8											R						R					3			8				8	71		3	R						Nannofossil ooze
5	H	2	79	39.5	M	0	0	100				8																	1					R			4				2	84		R	R	R					Nannofossil ooze
22	H	3	43	204.15	M																																														Ash - mixed with ooze
24	H	5	133	227.07	M																																														Ash
26	H	3	67	242.38	M																																														Ash - brown glass only