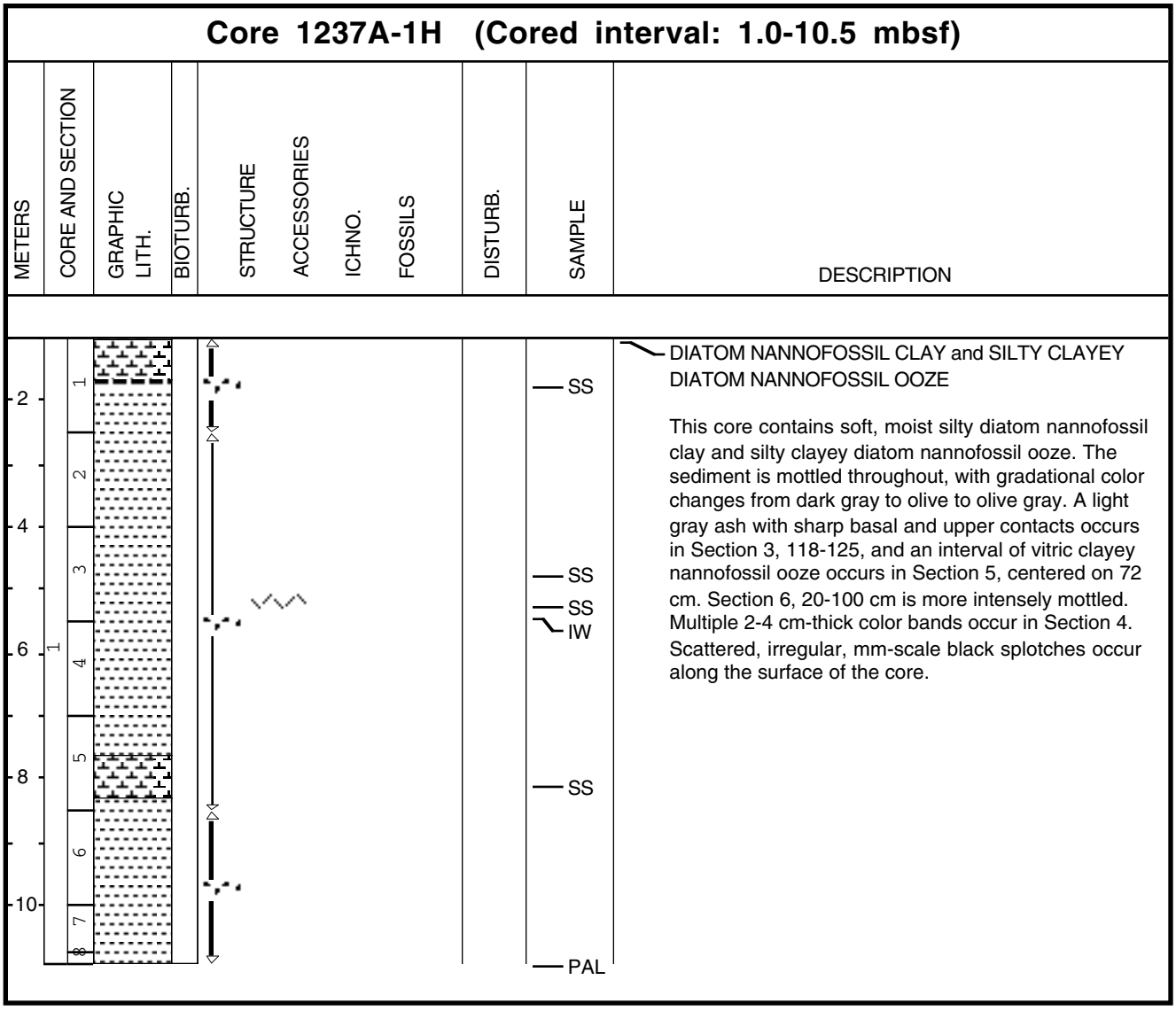
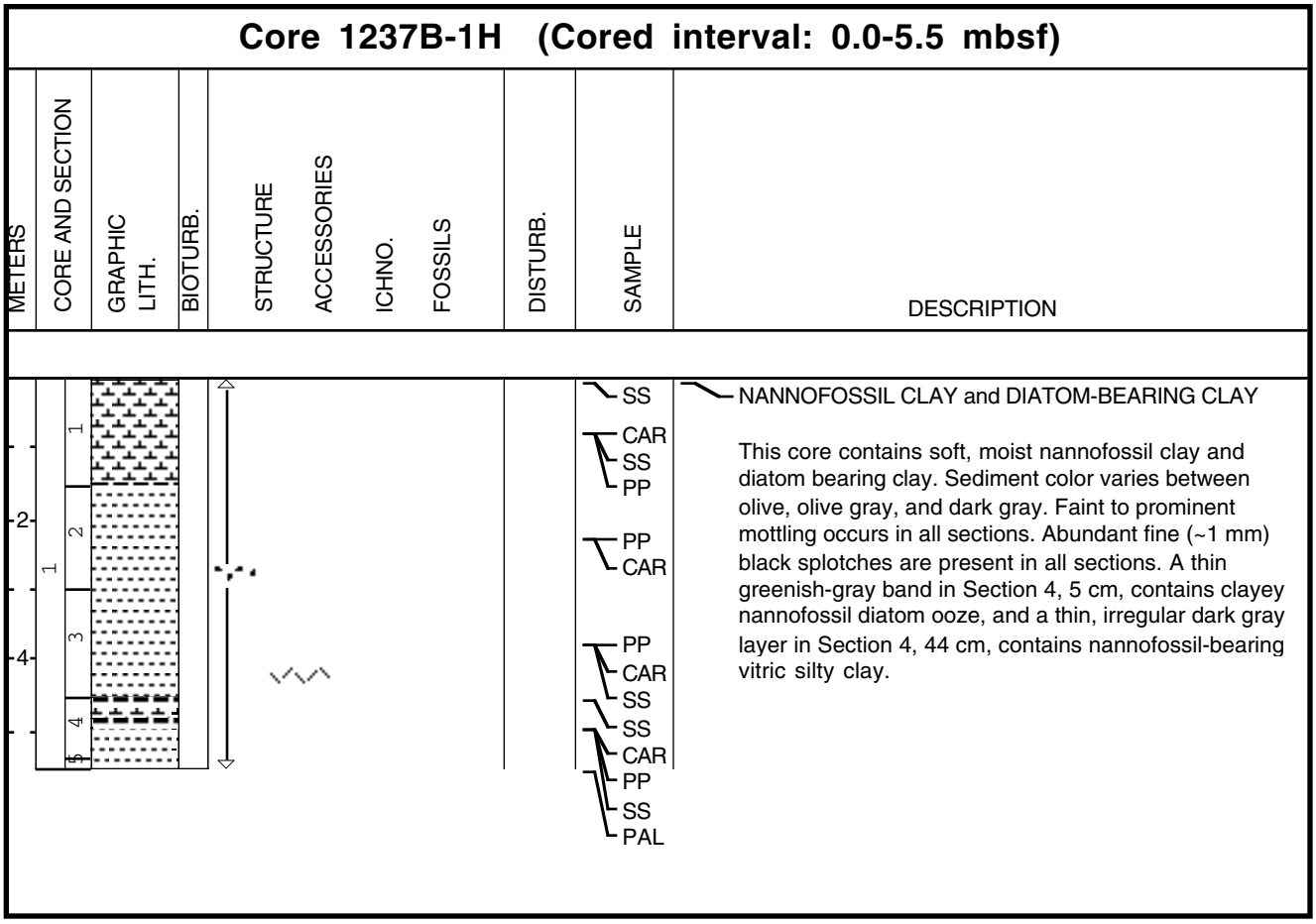
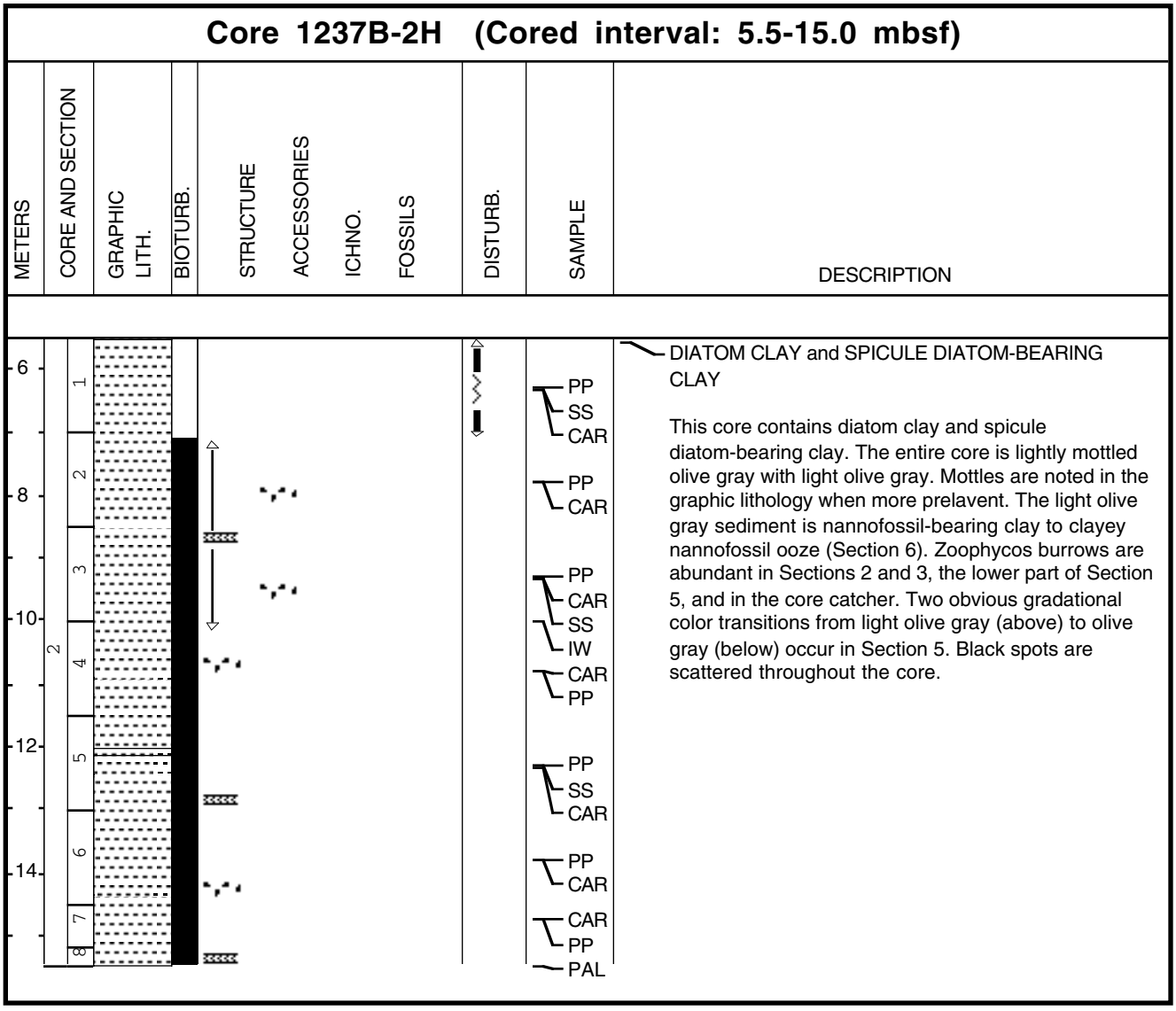
Core Photo


Core 1237A-1H (Cored interval: 1.0-10.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
2
4
6
8
10
1
1
2
3
4
5
6
7
8
SS
SS
SS
IW
SS
PAL
DIATOM NANNOFOSSIL CLAY and SILTY CLAYEY DIATOM NANNOFOSSIL OOZE
This core contains soft, moist silty diatom nannofossil clay and silty clayey diatom nannofossil ooze. The sediment is mottled throughout, with gradational color changes from dark gray to olive to olive gray. A light gray ash with sharp basal and upper contacts occurs in Section 3, 118-125, and an interval of vitric clayey nannofossil ooze occurs in Section 5, centered on 72 cm. Section 6, 20-100 cm is more intensely mottled. Multiple 2-4 cm-thick color bands occur in Section 4. Scattered, irregular, mm-scale black splotches occur along the surface of the core.

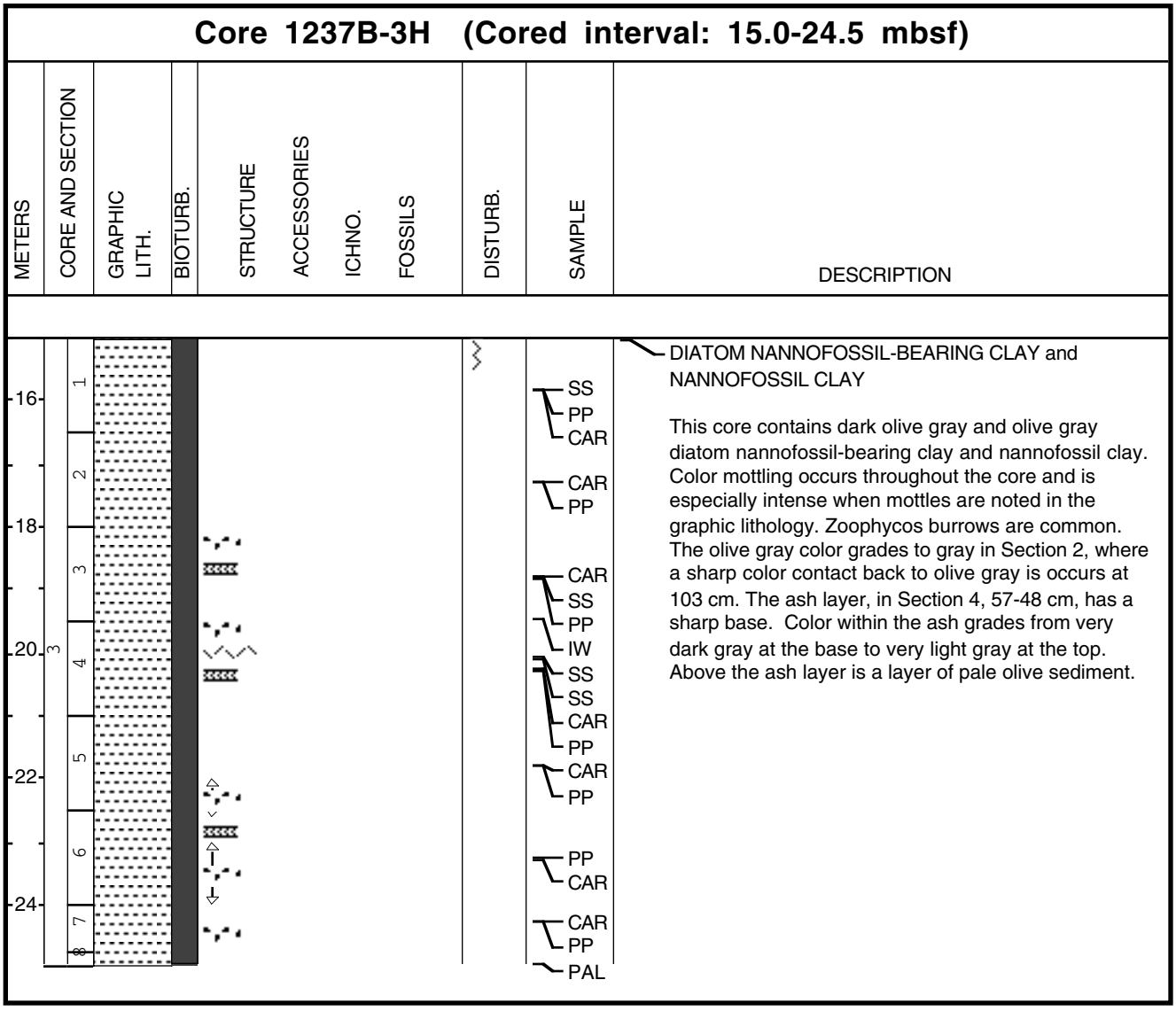
Core Photo


Core 1237B-1H (Cored interval: 0.0-5.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
2
4
1
2
3
4
5
SS
CAR
SS
PP
PP
CAR
PP
CAR
SS
SS
CAR
PP
SS
PAL
NANNOFOSSIL CLAY and DIATOM-BEARING CLAY
This core contains soft, moist nannofossil clay and diatom bearing clay. Sediment color varies between olive, olive gray, and dark gray. Faint to prominent mottling occurs in all sections. Abundant fine (~1 mm) black splotches are present in all sections. A thin greenish-gray band in Section 4, 5 cm, contains clayey nannofossil diatom ooze, and a thin, irregular dark gray layer in Section 4, 44 cm, contains nannofossil-bearing vitric silty clay.

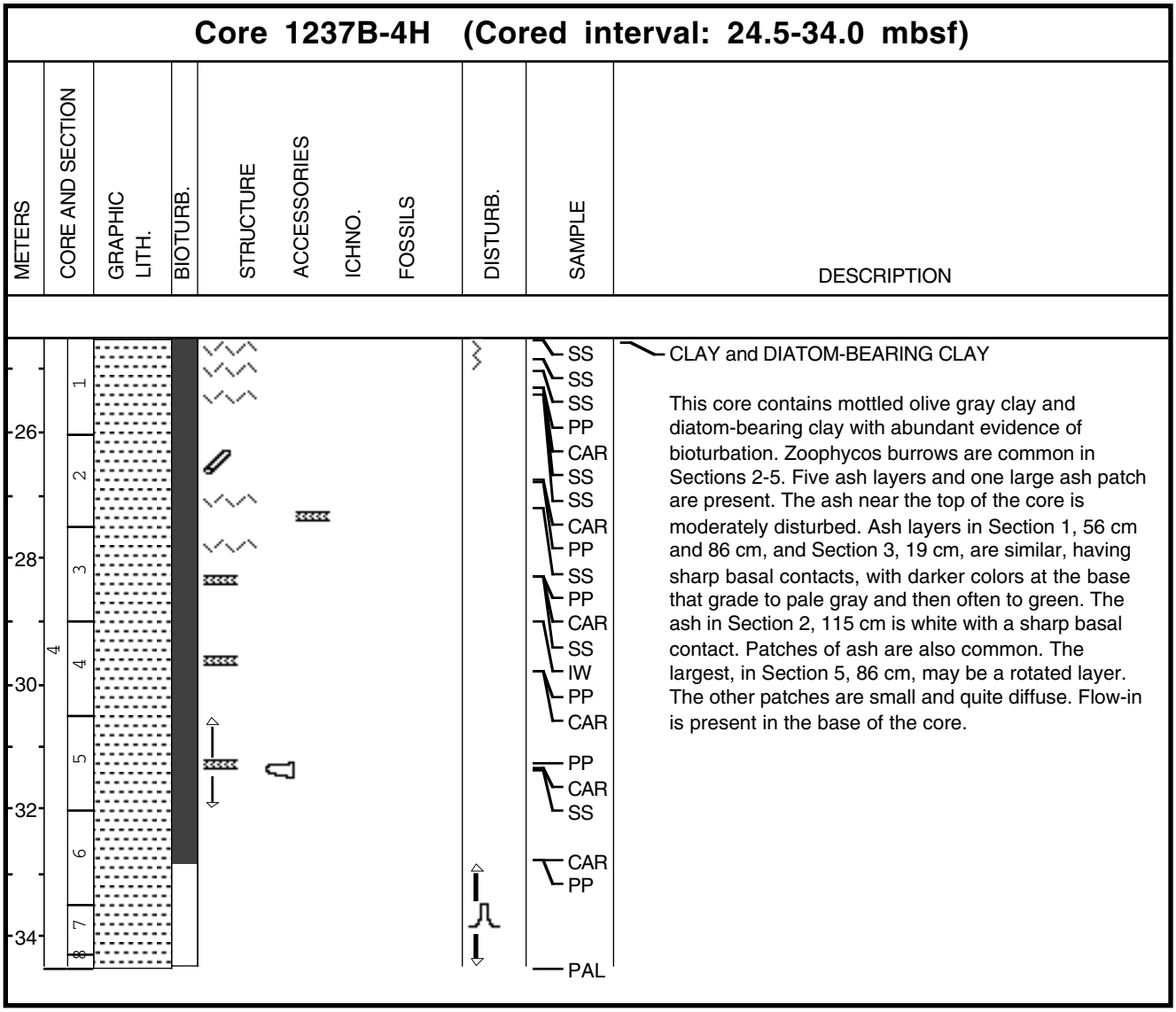
Core Photo


Core 1237B-2H (Cored interval: 5.5-15.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
6
8
10
12
14
2
1
2
3
4
5
6
7
8
PP
SS
CAR
PP
CAR
PP
CAR
SS
IW
CAR
PP
PP
SS
CAR
PP
CAR
CAR
PP
PAL
DIATOM CLAY and SPICULE DIATOM-BEARING CLAY
This core contains diatom clay and spicule diatom-bearing clay. The entire core is lightly mottled olive gray with light olive gray. Mottles are noted in the graphic lithology when more prelavent. The light olive gray sediment is nannofossil-bearing clay to clayey nannofossil ooze (Section 6). Zoophycos burrows are abundant in Sections 2 and 3, the lower part of Section 5, and in the core catcher. Two obvious gradational color transitions from light olive gray (above) to olive gray (below) occur in Section 5. Black spots are scattered throughout the core.

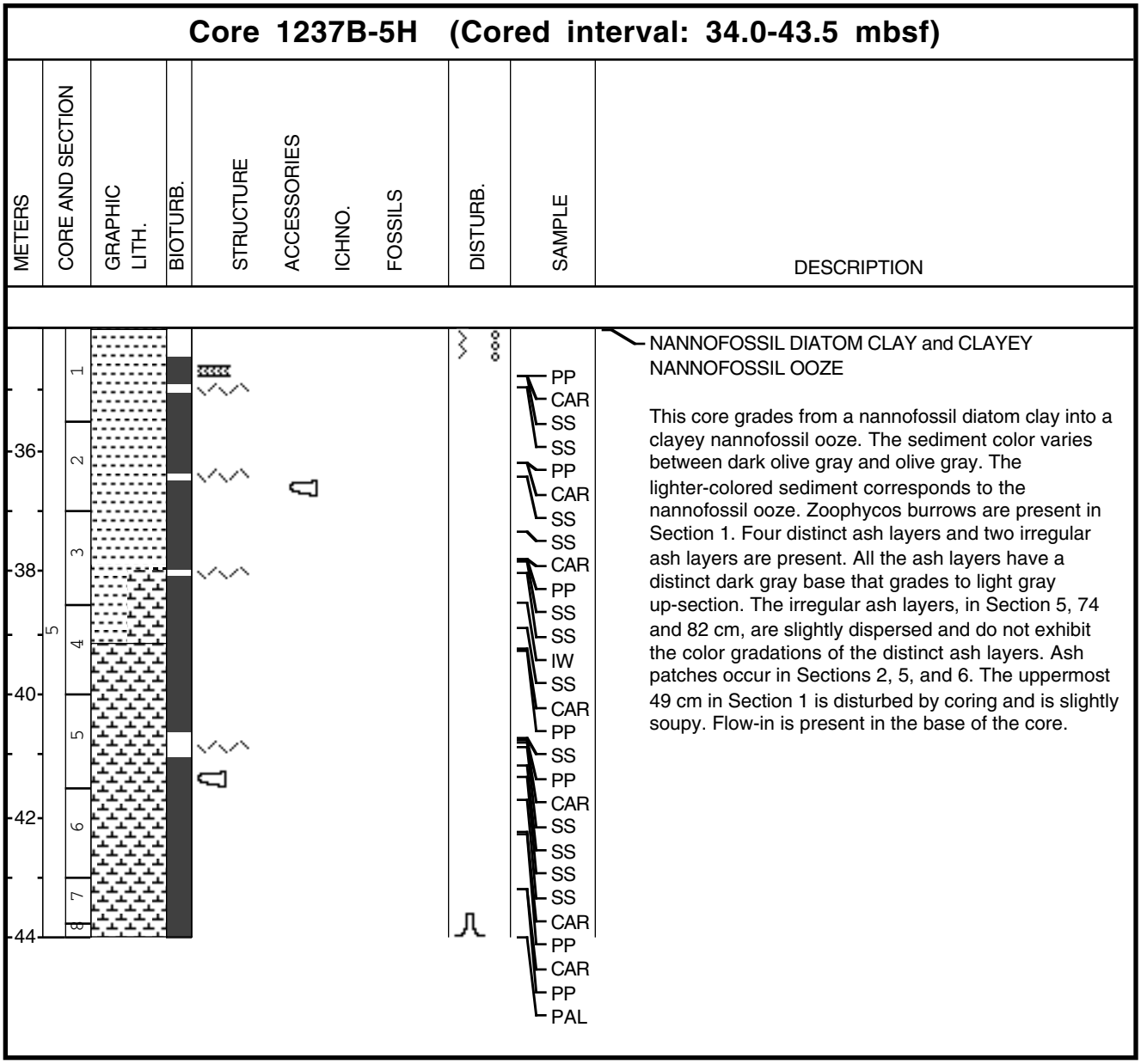
Core Photo


Core 1237B-3H (Cored interval: 15.0-24.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
16
18
20
22
24
3
1
2
3
4
5
6
7
8
SS
PP
CAR
CAR
PP
CAR
SS
PP
IW
SS
SS
CAR
PP
CAR
PP
PP
CAR
CAR
PP
PAL
DIATOM NANNOFOSSIL-BEARING CLAY and NANNOFOSSIL CLAY
This core contains dark olive gray and olive gray diatom nannofossil-bearing clay and nannofossil clay. Color mottling occurs throughout the core and is especially intense when mottles are noted in the graphic lithology. Zoophycos burrows are common. The olive gray color grades to gray in Section 2, where a sharp color contact back to olive gray is occurs at 103 cm. The ash layer, in Section 4, 57-48 cm, has a sharp base. Color within the ash grades from very dark gray at the base to very light gray at the top. Above the ash layer is a layer of pale olive sediment.

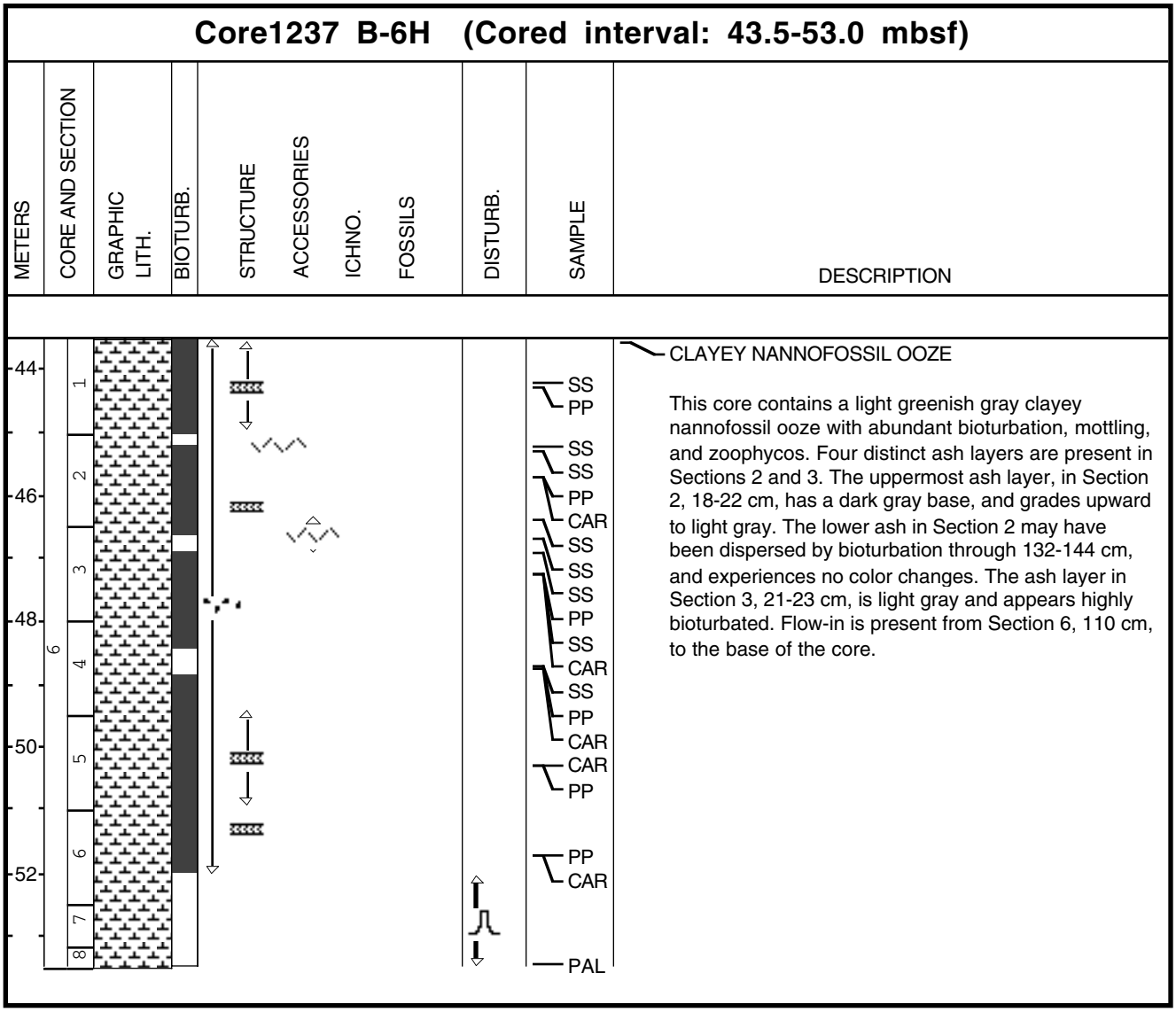
Core Photo


Core 1237B-4H (Cored interval: 24.5-34.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
26
28
30
32
34
4
1
2
3
4
5
6
7
8
SS
SS
SS
PP
CAR
SS
SS
CAR
PP
SS
PP
CAR
SS
IW
PP
CAR
PP
CAR
SS
CAR
PP
PAL
CLAY and DIATOM-BEARING CLAY
This core contains mottled olive gray clay and diatom-bearing clay with abundant evidence of bioturbation. Zoophycos burrows are common in Sections 2-5. Five ash layers and one large ash patch are present. The ash near the top of the core is moderately disturbed. Ash layers in Section 1, 56 cm and 86 cm, and Section 3, 19 cm, are similar, having sharp basal contacts, with darker colors at the base that grade to pale gray and then often to green. The ash in Section 2, 115 cm is white with a sharp basal contact. Patches of ash are also common. The largest, in Section 5, 86 cm, may be a rotated layer. The other patches are small and quite diffuse. Flow-in is present in the base of the core.

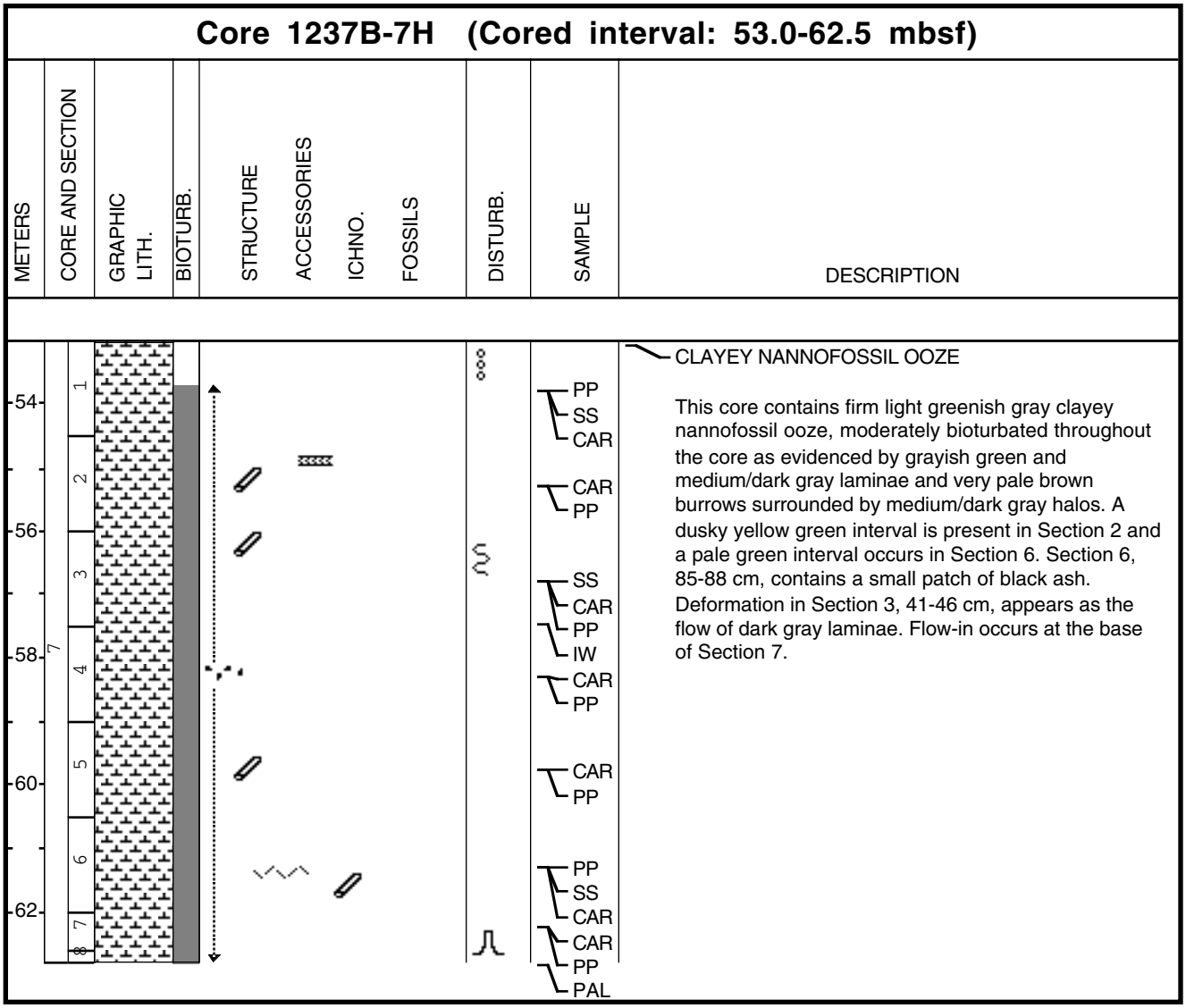
Core Photo


Core 1237B-5H (Cored interval: 34.0-43.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
36
38
40
42
44
5
1
2
3
4
5
6
7
8
PP
CAR
SS
SS
PP
CAR
SS
SS
CAR
PP
SS
SS
IW
SS
CAR
PP
SS
PP
CAR
SS
SS
SS
SS
CAR
PP
CAR
PP
PAL
NANNOFOSSIL DIATOM CLAY and CLAYEY NANNOFOSSIL OOZE
This core grades from a nannofossil diatom clay into a clayey nannofossil ooze. The sediment color varies between dark olive gray and olive gray. The lighter-colored sediment corresponds to the nannofossil ooze. Zoophycos burrows are present in Section 1. Four distinct ash layers and two irregular ash layers are present. All the ash layers have a distinct dark gray base that grades to light gray up-section. The irregular ash layers, in Section 5, 74 and 82 cm, are slightly dispersed and do not exhibit the color gradations of the distinct ash layers. Ash patches occur in Sections 2, 5, and 6. The uppermost 49 cm in Section 1 is disturbed by coring and is slightly soupy. Flow-in is present in the base of the core.

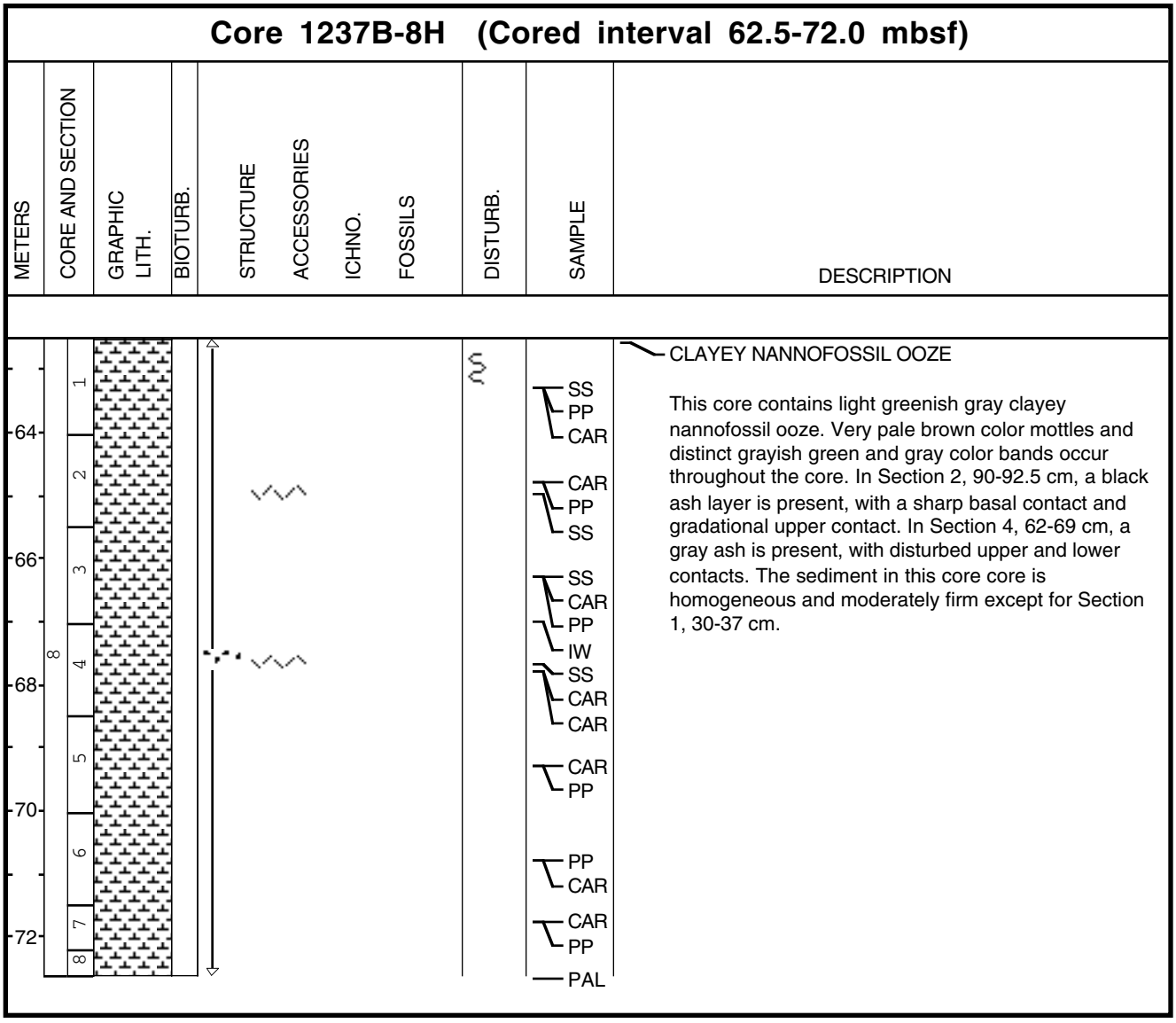
Core Photo


Core1237 B-6H (Cored interval: 43.5-53.0 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
PP
SS
SS
PP
CAR
SS
SS
SS
PP
SS
CAR
SS
PP
CAR
CAR
PP
PP
CAR
PAL
CLAYEY NANNOFOSSIL OOZE
This core contains a light greenish gray clayey nannofossil ooze with abundant bioturbation, mottling, and zoophycos. Four distinct ash layers are present in Sections 2 and 3. The uppermost ash layer, in Section 2, 18-22 cm, has a dark gray base, and grades upward to light gray. The lower ash in Section 2 may have been dispersed by bioturbation through 132-144 cm, and experiences no color changes. The ash layer in Section 3, 21-23 cm, is light gray and appears highly bioturbated. Flow-in is present from Section 6, 110 cm, to the base of the core.

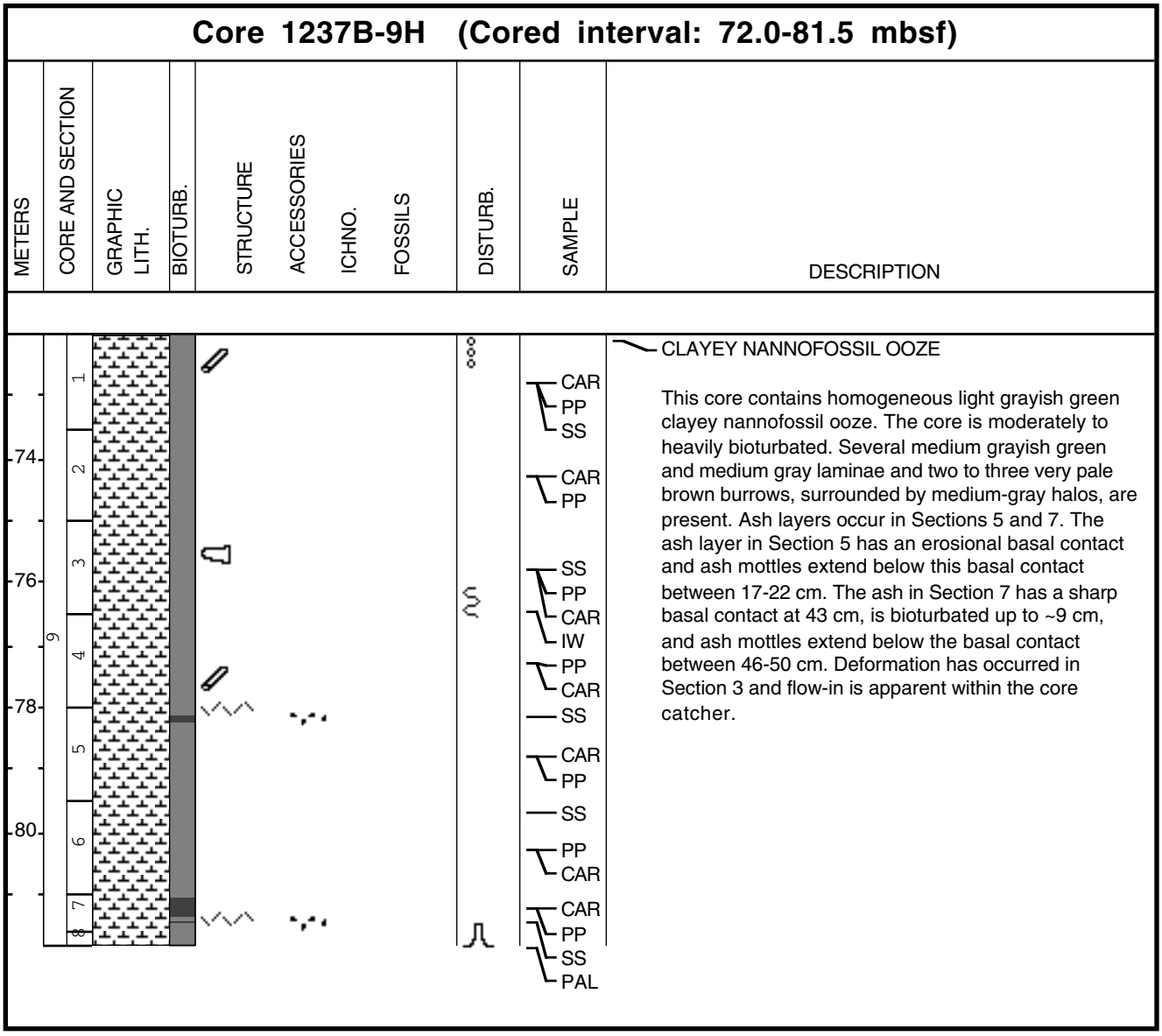
Core Photo


Core 1237B-7H (Cored interval: 53.0-62.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
54
56
58
60
62
7
1
2
3
4
5
6
7
8
PP
SS
CAR
CAR
PP
SS
CAR
PP
IW
CAR
PP
CAR
PP
PP
SS
CAR
CAR
PP
PAL
CLAYEY NANNOFOSSIL OOZE
This core contains firm light greenish gray clayey nannofossil ooze, moderately bioturbated throughout the core as evidenced by grayish green and medium/dark gray laminae and very pale brown burrows surrounded by medium/dark gray halos. A dusky yellow green interval is present in Section 2 and a pale green interval occurs in Section 6. Section 6, 85-88 cm, contains a small patch of black ash. Deformation in Section 3, 41-46 cm, appears as the flow of dark gray laminae. Flow-in occurs at the base of Section 7.

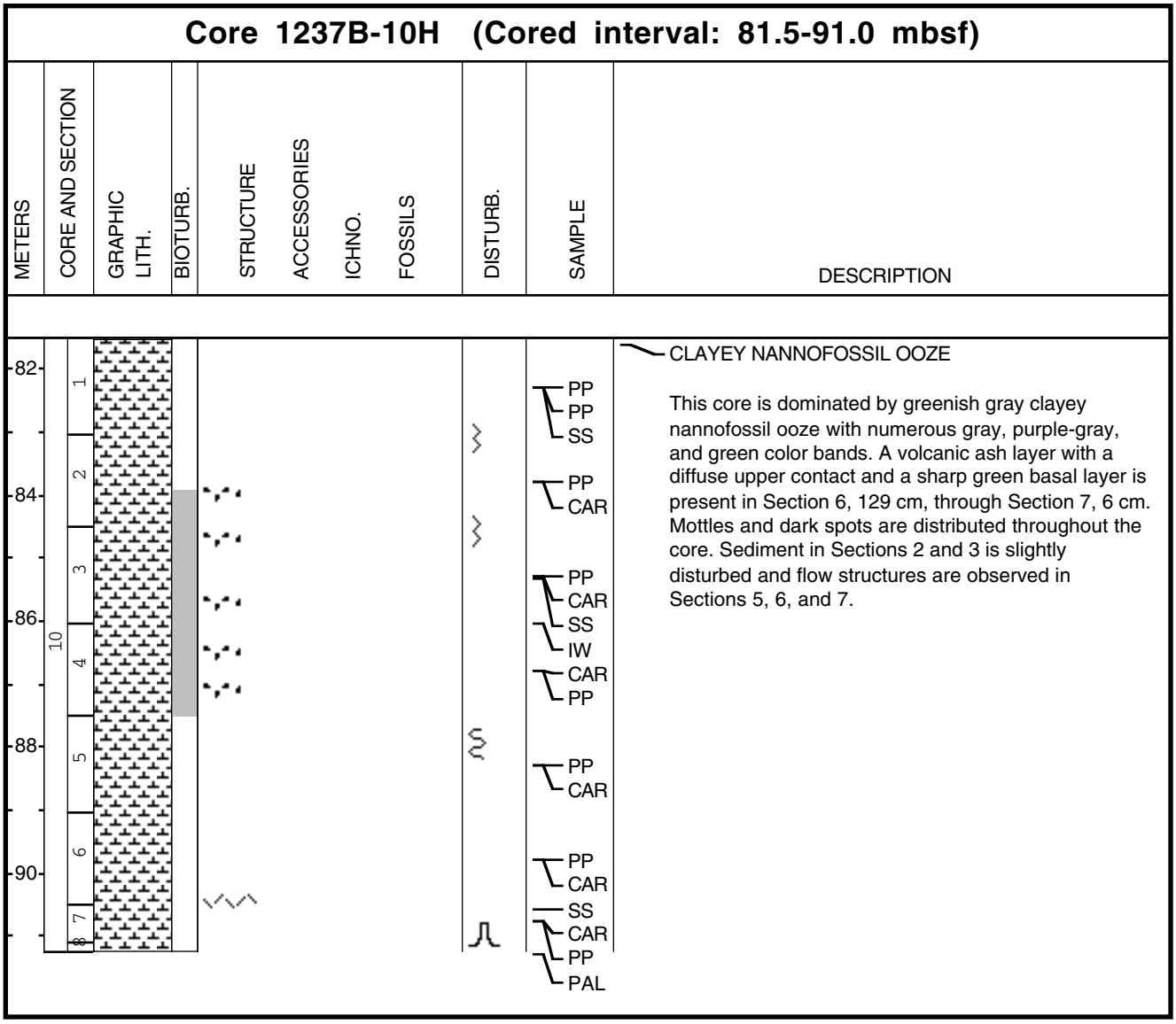
Core Photo


Core 1237B-8H (Cored interval 62.5-72.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
64
66
68
70
72
8
1
2
3
4
5
6
7
8
SS
PP
CAR
CAR
PP
SS
SS
CAR
PP
IW
SS
CAR
CAR
CAR
PP
PP
CAR
CAR
PP
PAL
CLAYEY NANNOFOSSIL OOZE
This core contains light greenish gray clayey nannofossil ooze. Very pale brown color mottles and distinct grayish green and gray color bands occur throughout the core. In Section 2, 90-92.5 cm, a black ash layer is present, with a sharp basal contact and gradational upper contact. In Section 4, 62-69 cm, a gray ash is present, with disturbed upper and lower contacts. The sediment in this core core is homogeneous and moderately firm except for Section 1, 30-37 cm.

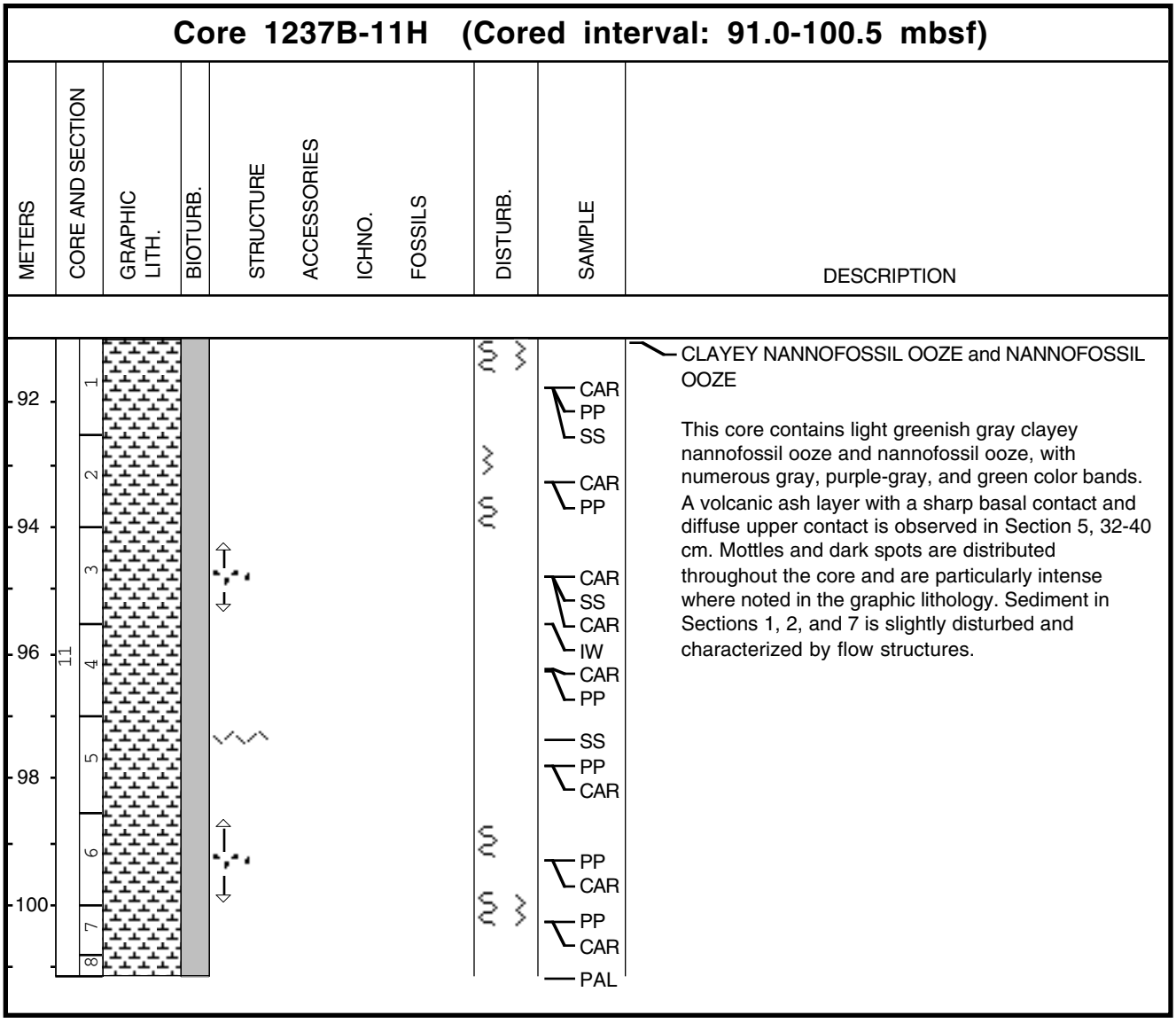
Core Photo


Core 1237B-9H (Cored interval: 72.0-81.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
74
76
78
80
9
1
2
3
4
5
6
7
CAR
PP
SS
CAR
PP
SS
PP
CAR
IW
PP
CAR
SS
CAR
PP
SS
PP
CAR
CAR
PP
SS
PAL
CLAYEY NANNOFOSSIL OOZE
This core contains homogeneous light grayish green clayey nannofossil ooze. The core is moderately to heavily bioturbated. Several medium grayish green and medium gray laminae and two to three very pale brown burrows, surrounded by medium-gray halos, are present. Ash layers occur in Sections 5 and 7. The ash layer in Section 5 has an erosional basal contact and ash mottles extend below this basal contact between 17-22 cm. The ash in Section 7 has a sharp basal contact at 43 cm, is bioturbated up to ~9 cm, and ash mottles extend below the basal contact between 46-50 cm. Deformation has occurred in Section 3 and flow-in is apparent within the core catcher.

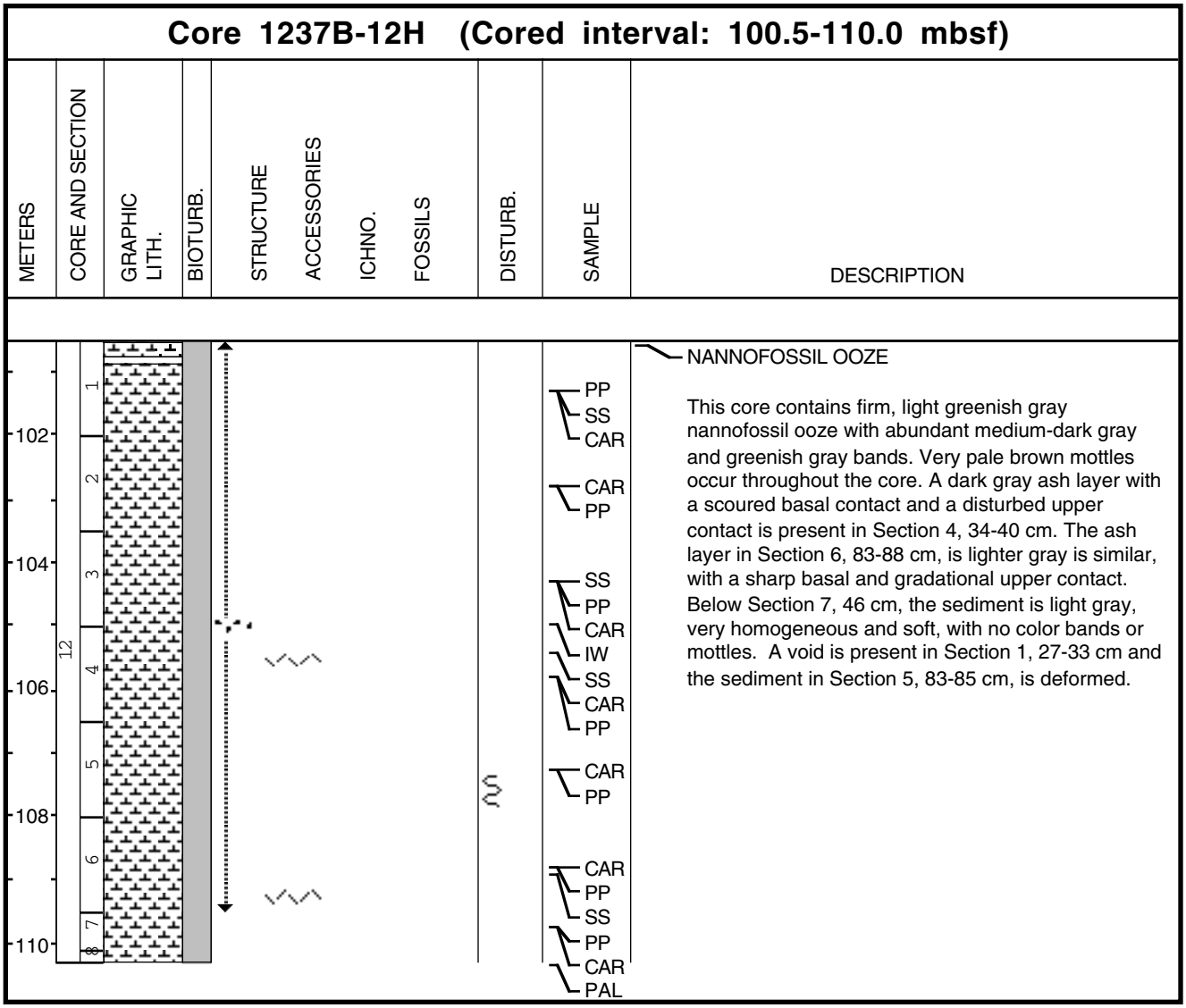
Core Photo


Core 1237B-10H (Cored interval: 81.5-91.0 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
PP
PP
SS
PP
CAR
PP
CAR
SS
IW
CAR
PP
PP
CAR
PP
CAR
SS
CAR
PP
PAL
CLAYEY NANNOFOSSIL OOZE
This core is dominated by greenish gray clayey nannofossil ooze with numerous gray, purple-gray, and green color bands. A volcanic ash layer with a diffuse upper contact and a sharp green basal layer is present in Section 6, 129 cm, through Section 7, 6 cm. Mottles and dark spots are distributed throughout the core. Sediment in Sections 2 and 3 is slightly disturbed and flow structures are observed in Sections 5, 6, and 7.

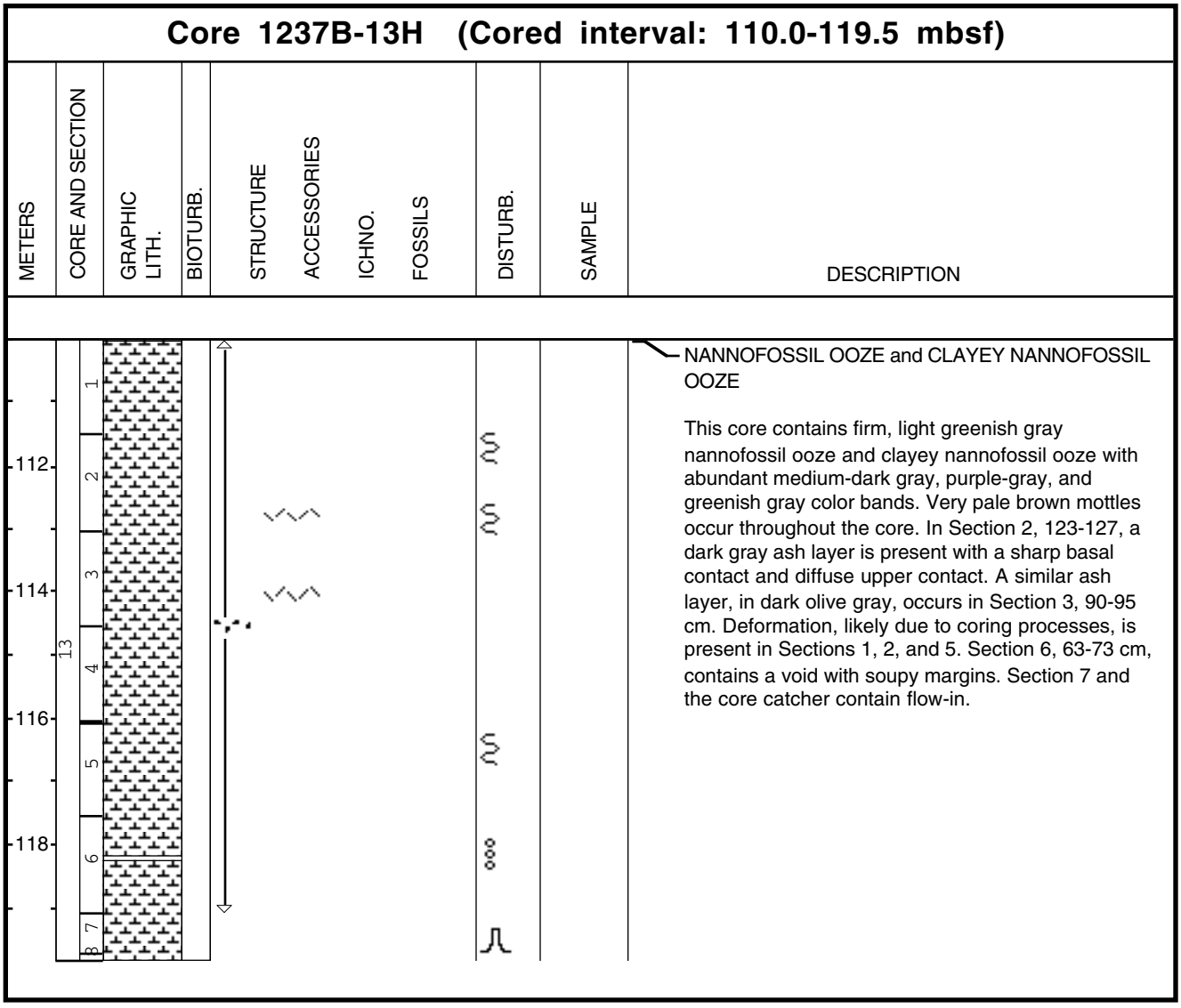
Core Photo


Core 1237B-11H (Cored interval: 91.0-100.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
92
94
96
98
100
11
1
2
3
4
5
6
7
8
CAR
PP
SS
CAR
PP
CAR
SS
CAR
IW
CAR
PP
SS
PP
CAR
PP
CAR
PP
CAR
PAL
CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains light greenish gray clayey nannofossil ooze and nannofossil ooze, with numerous gray, purple-gray, and green color bands. A volcanic ash layer with a sharp basal contact and diffuse upper contact is observed in Section 5, 32-40 cm. Mottles and dark spots are distributed throughout the core and are particularly intense where noted in the graphic lithology. Sediment in Sections 1, 2, and 7 is slightly disturbed and characterized by flow structures.

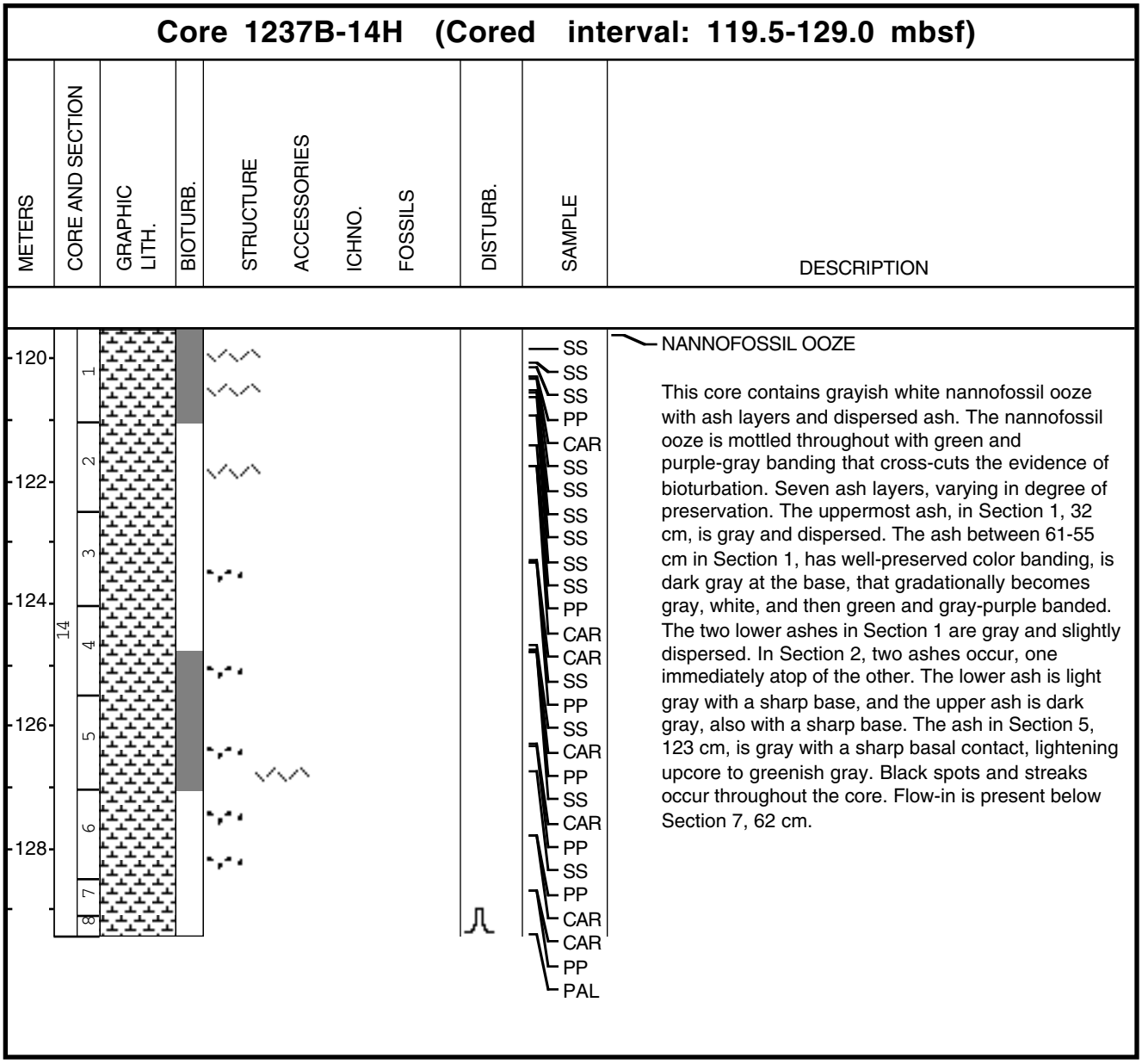
Core Photo


Core 1237B-12H (Cored interval: 100.5-110.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
102
104
106
108
110
12
1
2
3
4
5
6
7
PP
SS
CAR
CAR
PP
SS
PP
CAR
IW
SS
CAR
PP
CAR
PP
CAR
PP
SS
PP
CAR
PAL
NANNOFOSSIL OOZE
This core contains firm, light greenish gray nannofossil ooze with abundant medium-dark gray and greenish gray bands. Very pale brown mottles occur throughout the core. A dark gray ash layer with a scoured basal contact and a disturbed upper contact is present in Section 4, 34-40 cm. The ash layer in Section 6, 83-88 cm, is lighter gray is similar, with a sharp basal and gradational upper contact. Below Section 7, 46 cm, the sediment is light gray, very homogeneous and soft, with no color bands or mottles. A void is present in Section 1, 27-33 cm and the sediment in Section 5, 83-85 cm, is deformed.

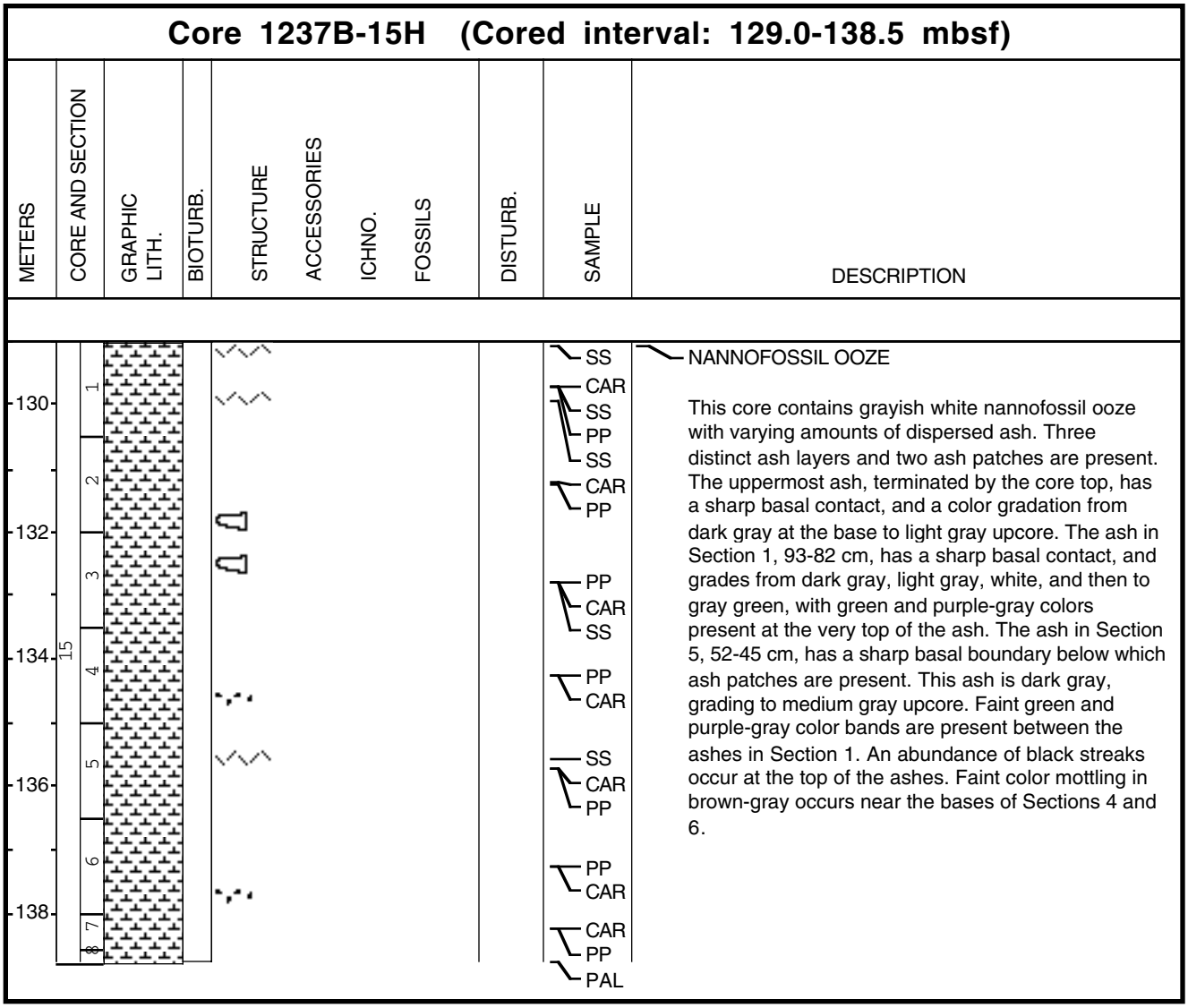
Core Photo


Core 1237B-13H (Cored interval: 110.0-119.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
112
114
116
118
13
1
2
3
4
5
6
7
CC
NANNOFOSSIL OOZE and CLAYEY NANNOFOSSIL OOZE
This core contains firm, light greenish gray nannofossil ooze and clayey nannofossil ooze with abundant medium-dark gray, purple-gray, and greenish gray color bands. Very pale brown mottles occur throughout the core. In Section 2, 123-127, a dark gray ash layer is present with a sharp basal contact and diffuse upper contact. A similar ash layer, in dark olive gray, occurs in Section 3, 90-95 cm. Deformation, likely due to coring processes, is present in Sections 1, 2, and 5. Section 6, 63-73 cm, contains a void with soupy margins. Section 7 and the core catcher contain flow-in.

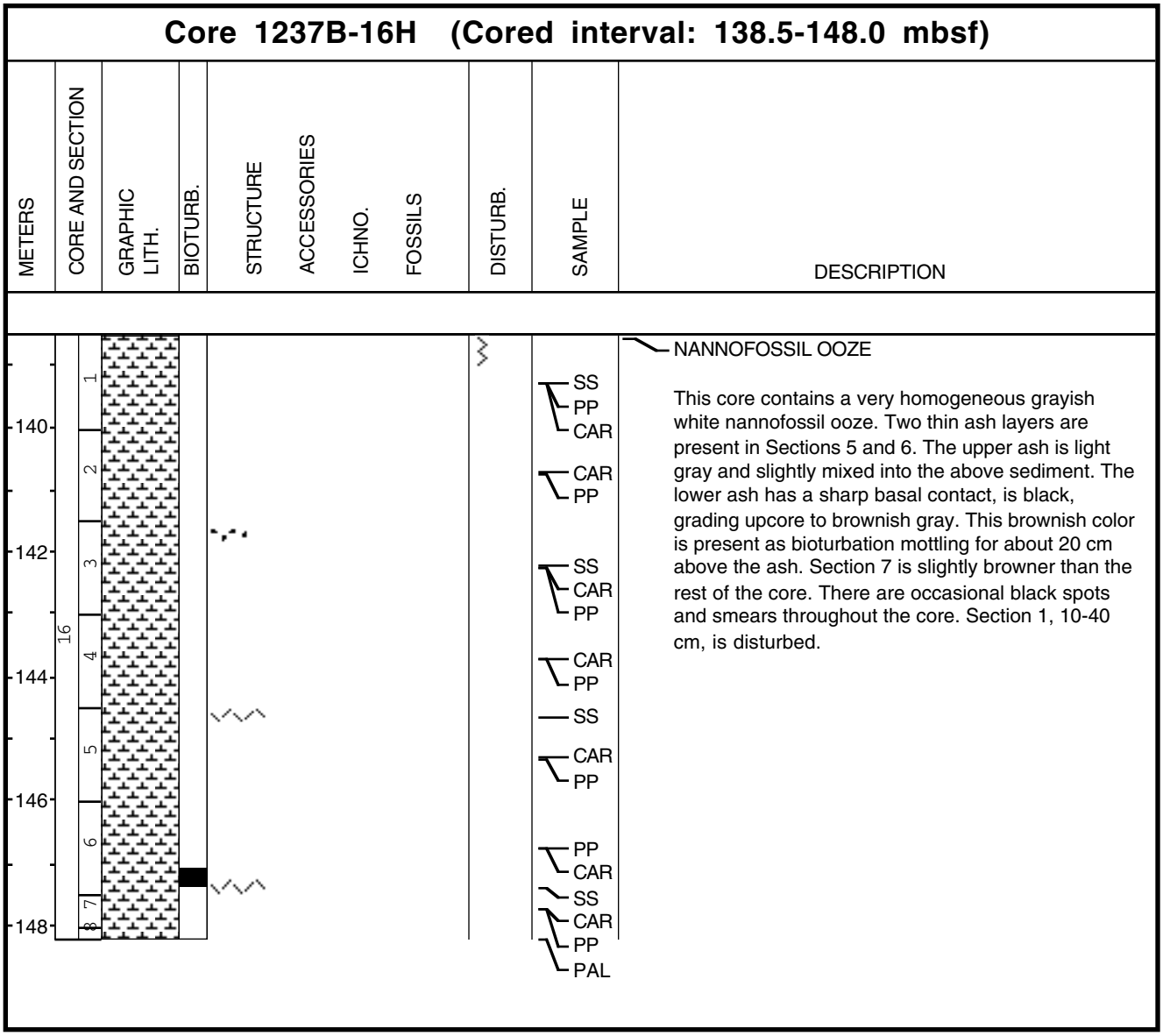
Core Photo


Core 1237B-14H (Cored interval: 119.5-129.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
120
122
124
126
128
14
1
2
3
4
5
6
7
8
SS
SS
SS
PP
CAR
SS
SS
SS
SS
SS
SS
PP
CAR
CAR
SS
PP
SS
CAR
PP
SS
CAR
PP
SS
PP
CAR
CAR
PP
PAL
NANNOFOSSIL OOZE
This core contains grayish white nannofossil ooze with ash layers and dispersed ash. The nannofossil ooze is mottled throughout with green and purple-gray banding that cross-cuts the evidence of bioturbation. Seven ash layers, varying in degree of preservation. The uppermost ash, in Section 1, 32 cm, is gray and dispersed. The ash between 61-55 cm in Section 1, has well-preserved color banding, is dark gray at the base, that gradationally becomes gray, white, and then green and gray-purple banded. The two lower ashes in Section 1 are gray and slightly dispersed. In Section 2, two ashes occur, one immediately atop of the other. The lower ash is light gray with a sharp base, and the upper ash is dark gray, also with a sharp base. The ash in Section 5, 123 cm, is gray with a sharp basal contact, lightening upcore to greenish gray. Black spots and streaks occur throughout the core. Flow-in is present below Section 7, 62 cm.

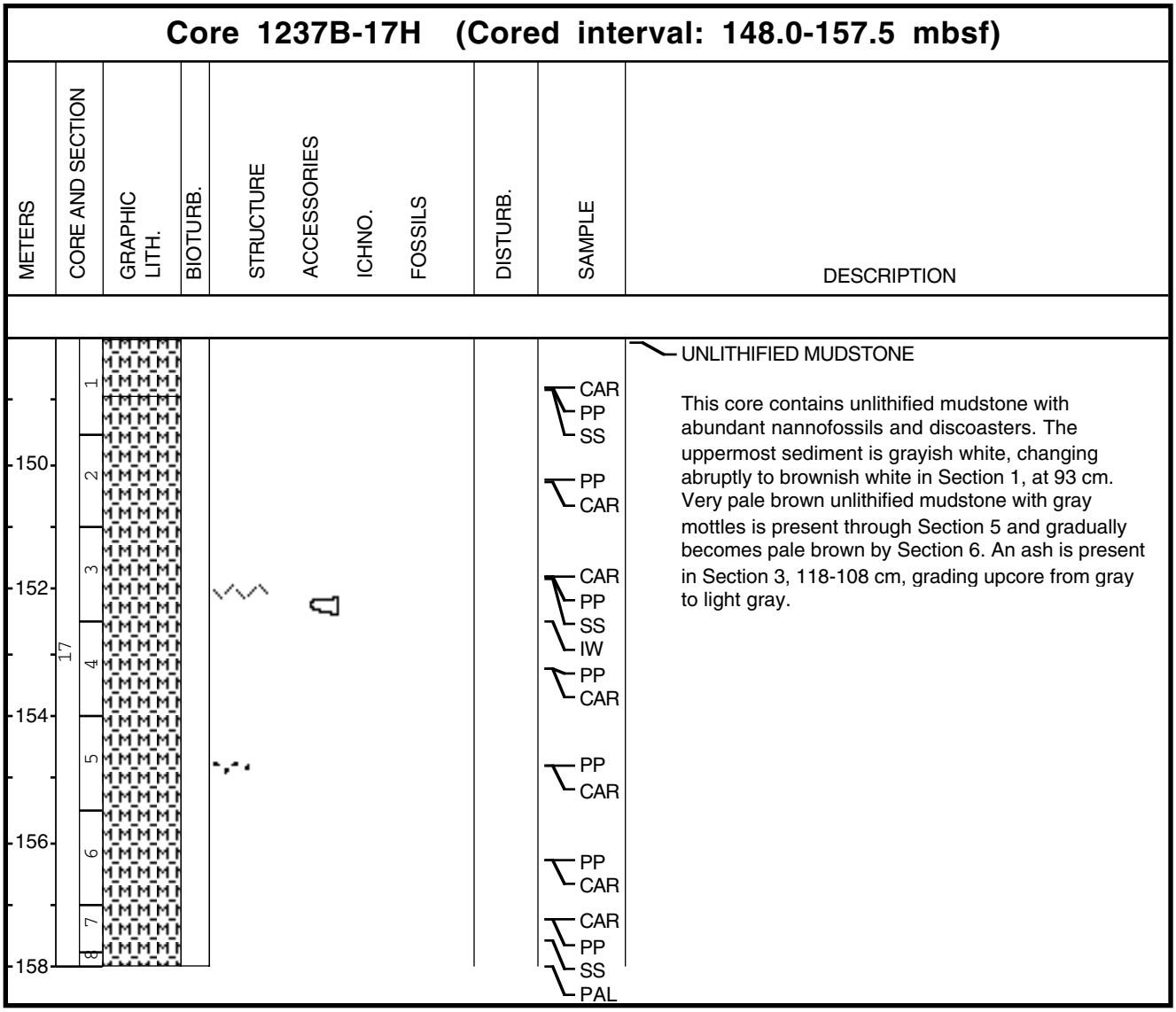
Core Photo


Core 1237B-15H (Cored interval: 129.0-138.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
130
132
134
136
138
15
1
2
3
4
5
6
7
SS
CAR
SS
PP
SS
CAR
PP
PP
CAR
SS
PP
CAR
SS
CAR
PP
PP
CAR
CAR
PP
PAL
NANNOFOSSIL OOZE
This core contains grayish white nannofossil ooze with varying amounts of dispersed ash. Three distinct ash layers and two ash patches are present. The uppermost ash, terminated by the core top, has a sharp basal contact, and a color gradation from dark gray at the base to light gray upcore. The ash in Section 1, 93-82 cm, has a sharp basal contact, and grades from dark gray, light gray, white, and then to gray green, with green and purple-gray colors present at the very top of the ash. The ash in Section 5, 52-45 cm, has a sharp basal boundary below which ash patches are present. This ash is dark gray, grading to medium gray upcore. Faint green and purple-gray color bands are present between the ashes in Section 1. An abundance of black streaks occur at the top of the ashes. Faint color mottling in brown-gray occurs near the bases of Sections 4 and 6.

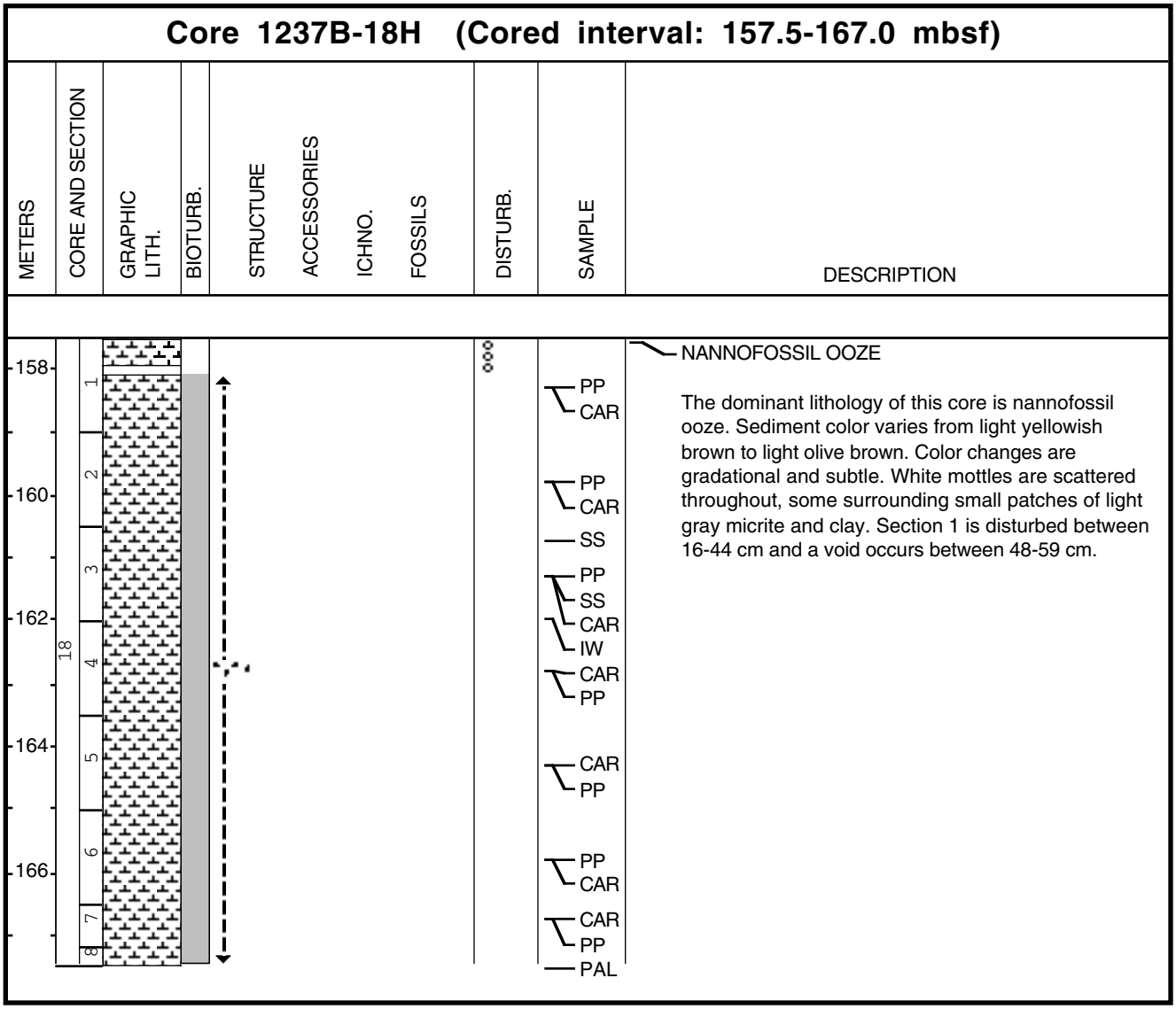
Core Photo


Core 1237B-16H (Cored interval: 138.5-148.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
140
142
144
146
148
16
1
2
3
4
5
6
7
8
SS
PP
CAR
CAR
PP
SS
CAR
PP
CAR
PP
SS
CAR
PP
PP
CAR
SS
CAR
PP
PAL
NANNOFOSSIL OOZE
This core contains a very homogeneous grayish white nannofossil ooze. Two thin ash layers are present in Sections 5 and 6. The upper ash is light gray and slightly mixed into the above sediment. The lower ash has a sharp basal contact, is black, grading upcore to brownish gray. This brownish color is present as bioturbation mottling for about 20 cm above the ash. Section 7 is slightly browner than the rest of the core. There are occasional black spots and smears throughout the core. Section 1, 10-40 cm, is disturbed.

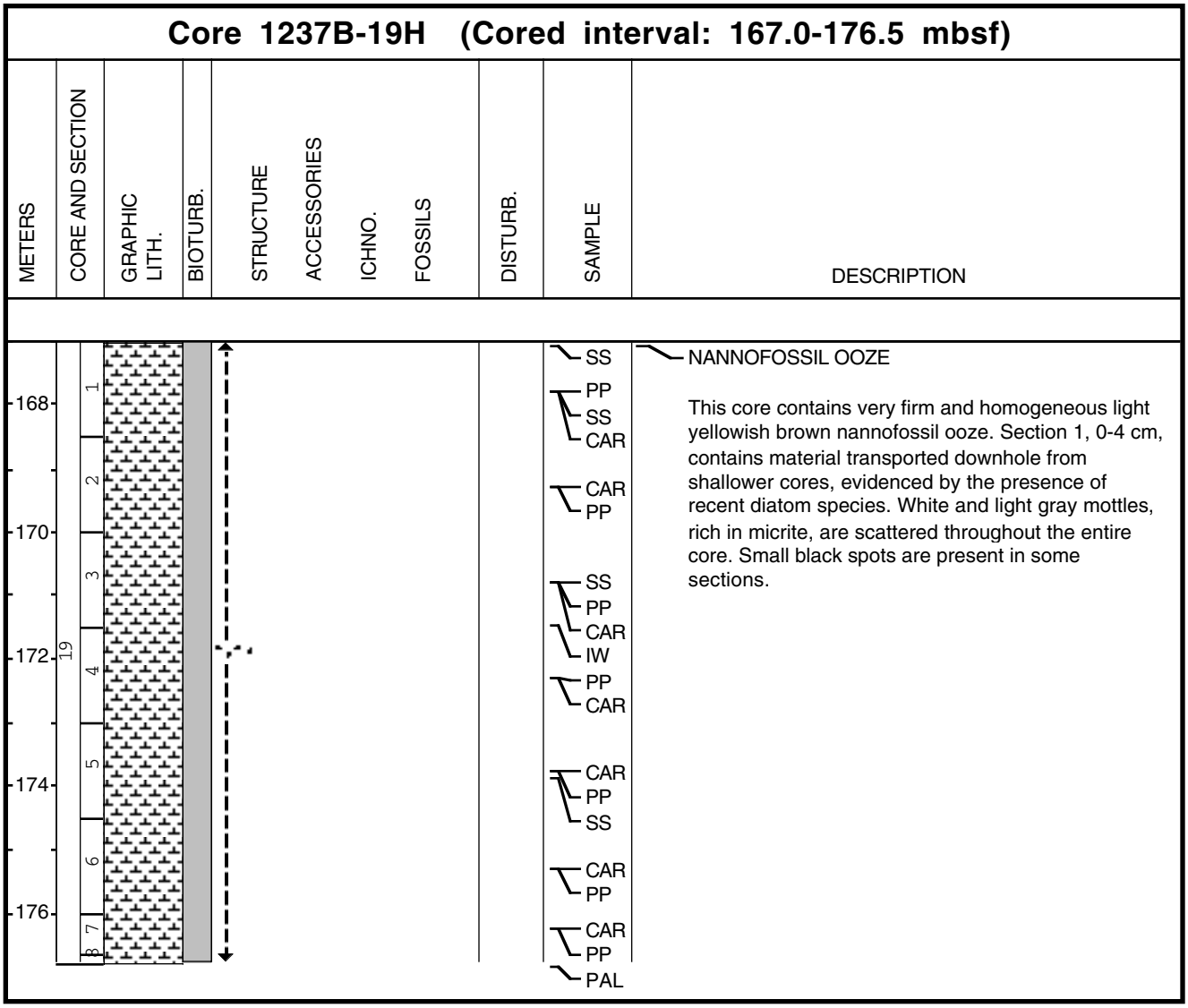
Core Photo


Core 1237B-17H (Cored interval: 148.0-157.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
150
152
154
156
158
17
1
2
3
4
5
6
7
CAR
PP
SS
PP
CAR
CAR
PP
SS
IW
PP
CAR
PP
CAR
PP
CAR
CAR
PP
SS
PAL
UNLITHIFIED MUDSTONE
This core contains unlithified mudstone with abundant nannofossils and discoasters. The uppermost sediment is grayish white, changing abruptly to brownish white in Section 1, at 93 cm. Very pale brown unlithified mudstone with gray mottles is present through Section 5 and gradually becomes pale brown by Section 6. An ash is present in Section 3, 118-108 cm, grading upcore from gray to light gray.

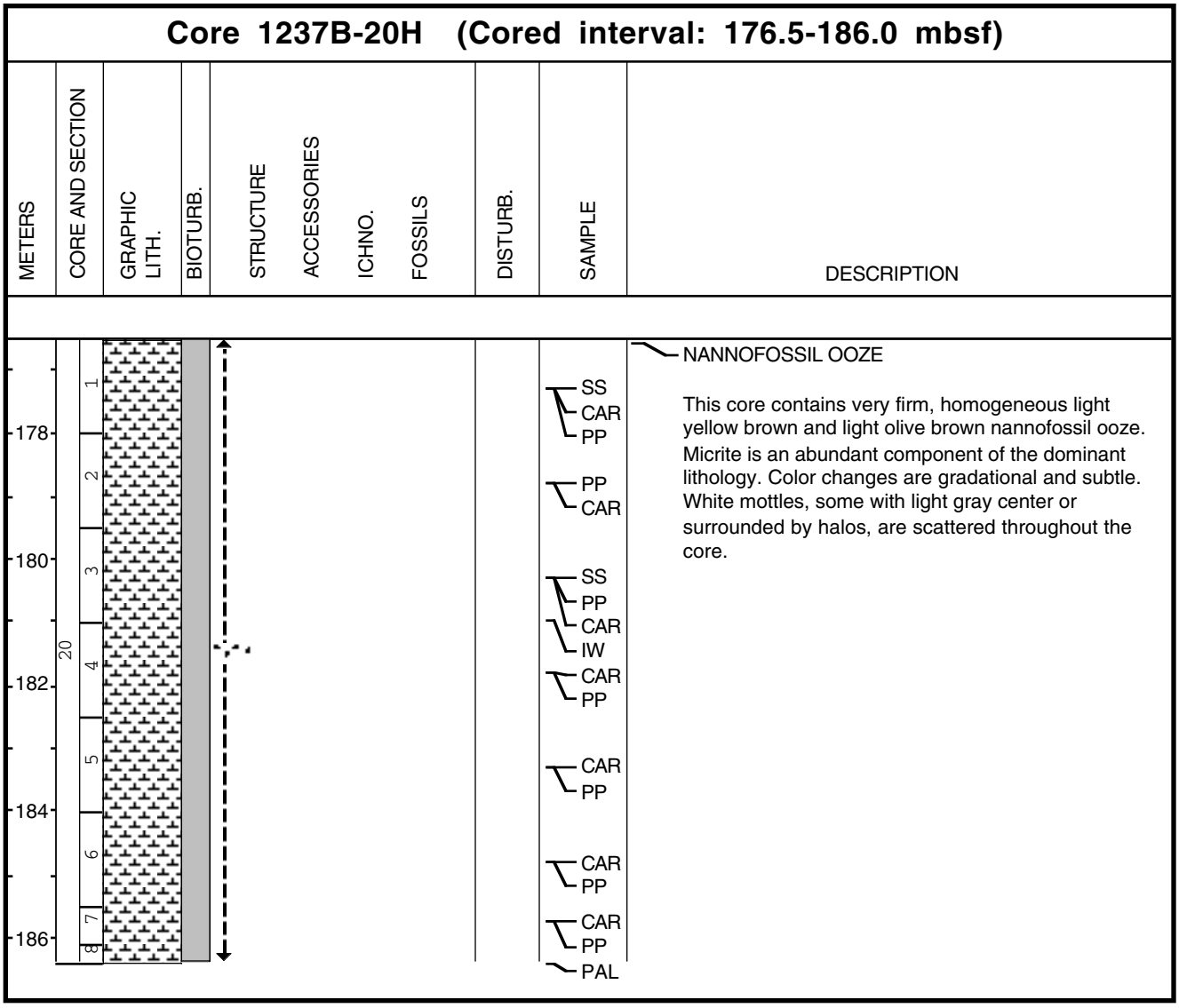
Core Photo


Core 1237B-18H (Cored interval: 157.5-167.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
158
160
162
164
166
18
1
2
3
4
5
6
7
8
PP
CAR
PP
CAR
SS
PP
SS
CAR
IW
CAR
PP
CAR
PP
PP
CAR
CAR
PP
PAL
NANNOFOSSIL OOZE
The dominant lithology of this core is nannofossil ooze. Sediment color varies from light yellowish brown to light olive brown. Color changes are gradational and subtle. White mottles are scattered throughout, some surrounding small patches of light gray micrite and clay. Section 1 is disturbed between 16-44 cm and a void occurs between 48-59 cm.

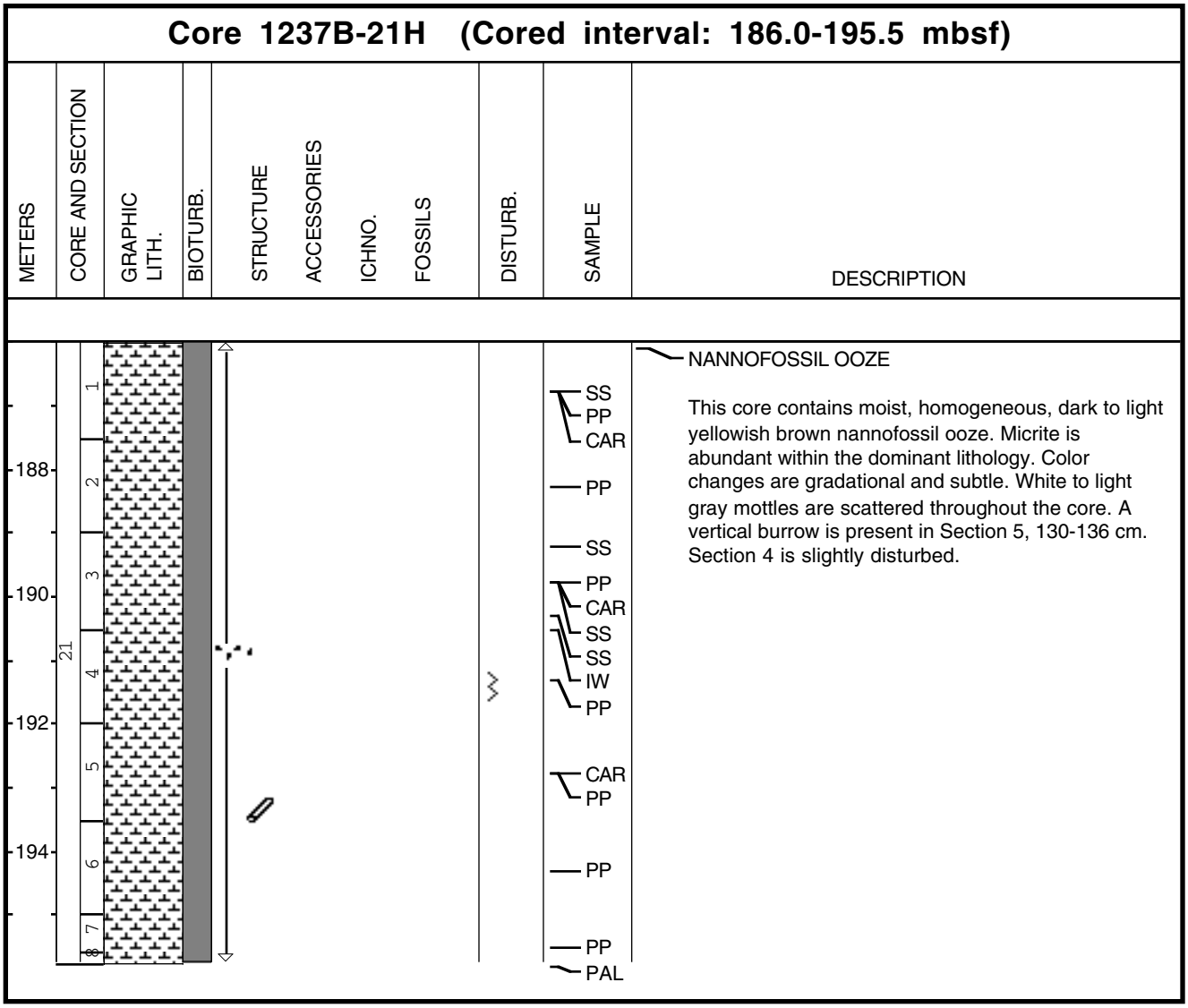
Core Photo


Core 1237B-19H (Cored interval: 167.0-176.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
168
170
172
174
176
19
1
2
3
4
5
6
7
CC
SS
PP
SS
CAR
CAR
PP
SS
PP
CAR
IW
PP
CAR
CAR
PP
SS
CAR
PP
CAR
PP
PAL
NANNOFOSSIL OOZE
This core contains very firm and homogeneous light yellowish brown nannofossil ooze. Section 1, 0-4 cm, contains material transported downhole from shallower cores, evidenced by the presence of recent diatom species. White and light gray mottles, rich in micrite, are scattered throughout the entire core. Small black spots are present in some sections.

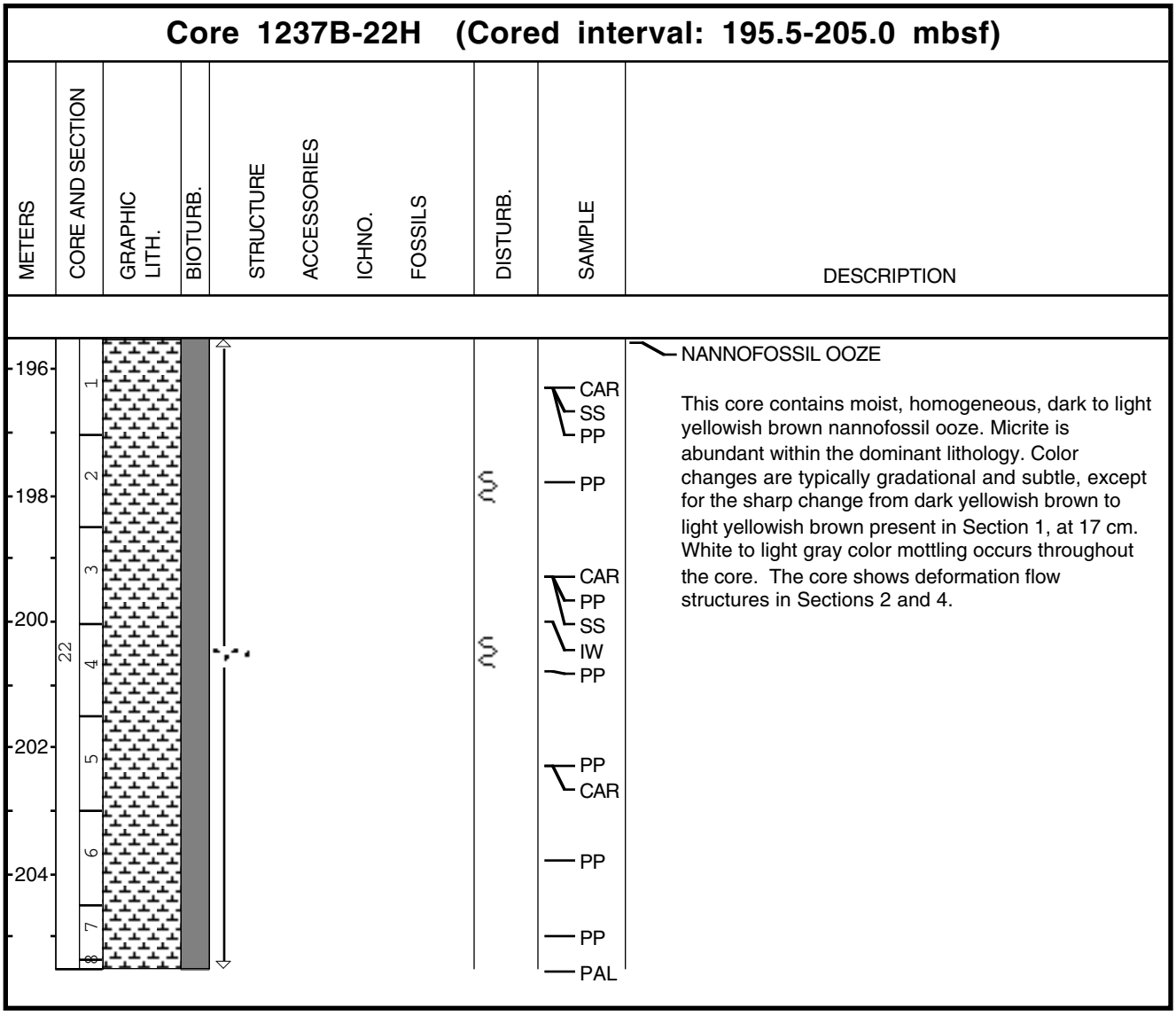
Core Photo


Core 1237B-20H (Cored interval: 176.5-186.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
178
180
182
184
186
20
1
2
3
4
5
6
7
SS
CAR
PP
PP
CAR
SS
PP
CAR
IW
CAR
PP
CAR
PP
CAR
PP
CAR
PP
PAL
NANNOFOSSIL OOZE
This core contains very firm, homogeneous light yellow brown and light olive brown nannofossil ooze. Micrite is an abundant component of the dominant lithology. Color changes are gradational and subtle. White mottles, some with light gray center or surrounded by halos, are scattered throughout the core.

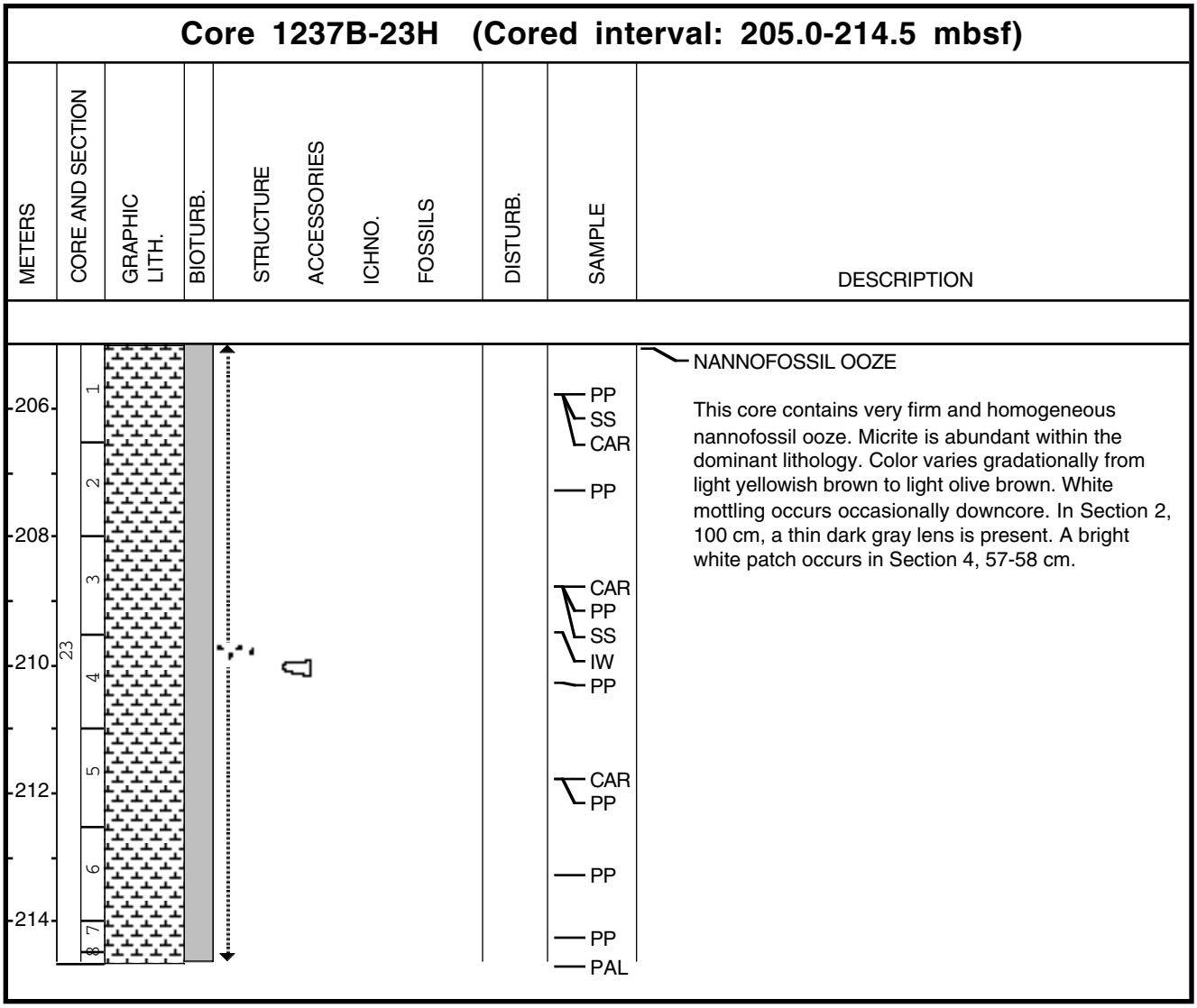
Core Photo


Core 1237B-21H (Cored interval: 186.0-195.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
188
190
192
194
21
1
2
3
4
5
6
7
SS
PP
CAR
PP
SS
PP
CAR
SS
SS
IW
PP
CAR
PP
PP
PP
PAL
NANNOFOSSIL OOZE
This core contains moist, homogeneous, dark to light yellowish brown nannofossil ooze. Micrite is abundant within the dominant lithology. Color changes are gradational and subtle. White to light gray mottles are scattered throughout the core. A vertical burrow is present in Section 5, 130-136 cm. Section 4 is slightly disturbed.

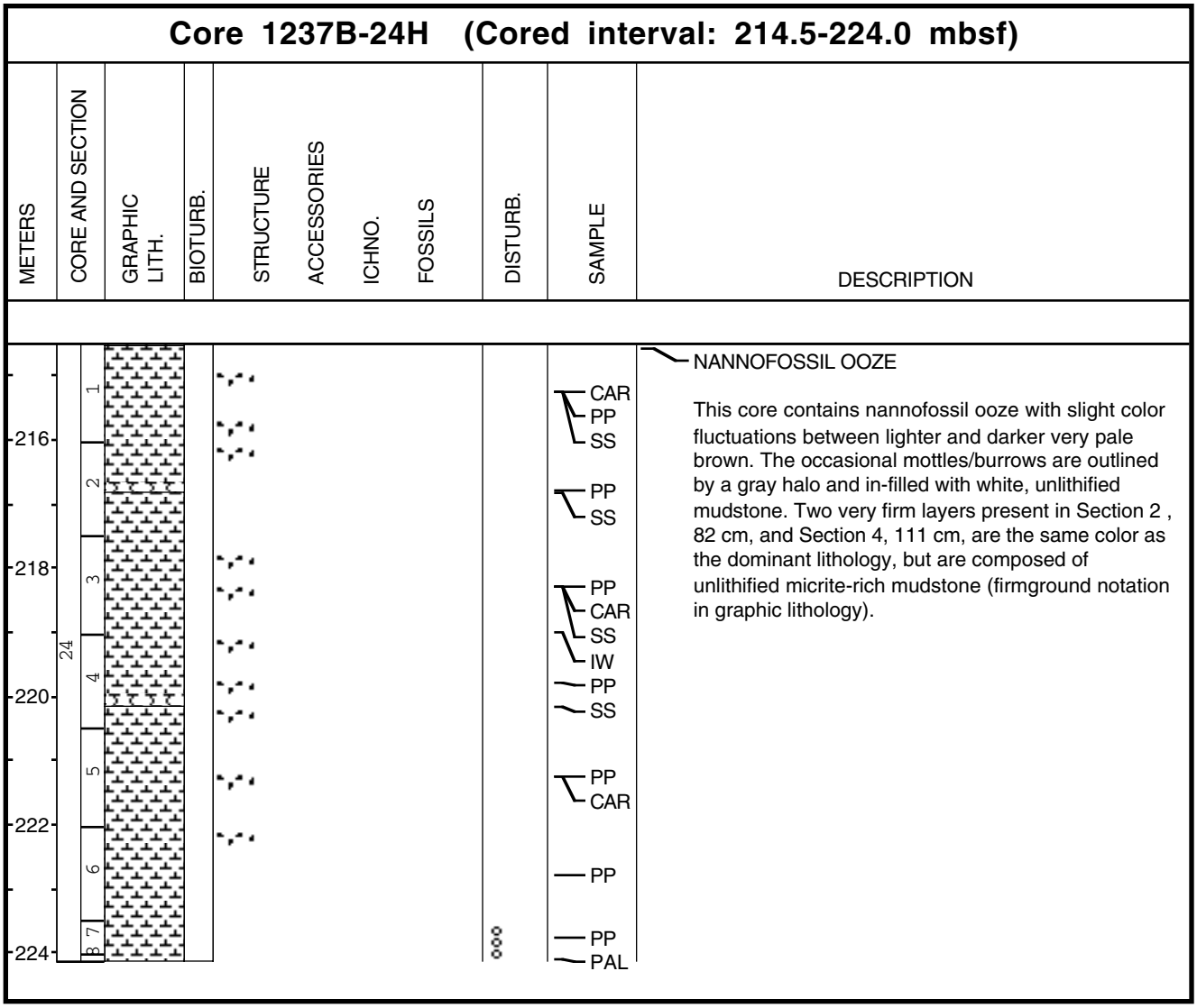
Core Photo


Core 1237B-22H (Cored interval: 195.5-205.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
196
198
200
202
204
22
1
2
3
4
5
6
7
8
CAR
SS
PP
PP
CAR
PP
SS
IW
PP
PP
CAR
PP
PP
PAL
NANNOFOSSIL OOZE
This core contains moist, homogeneous, dark to light yellowish brown nannofossil ooze. Micrite is abundant within the dominant lithology. Color changes are typically gradational and subtle, except for the sharp change from dark yellowish brown to light yellowish brown present in Section 1, at 17 cm. White to light gray color mottling occurs throughout the core. The core shows deformation flow structures in Sections 2 and 4.

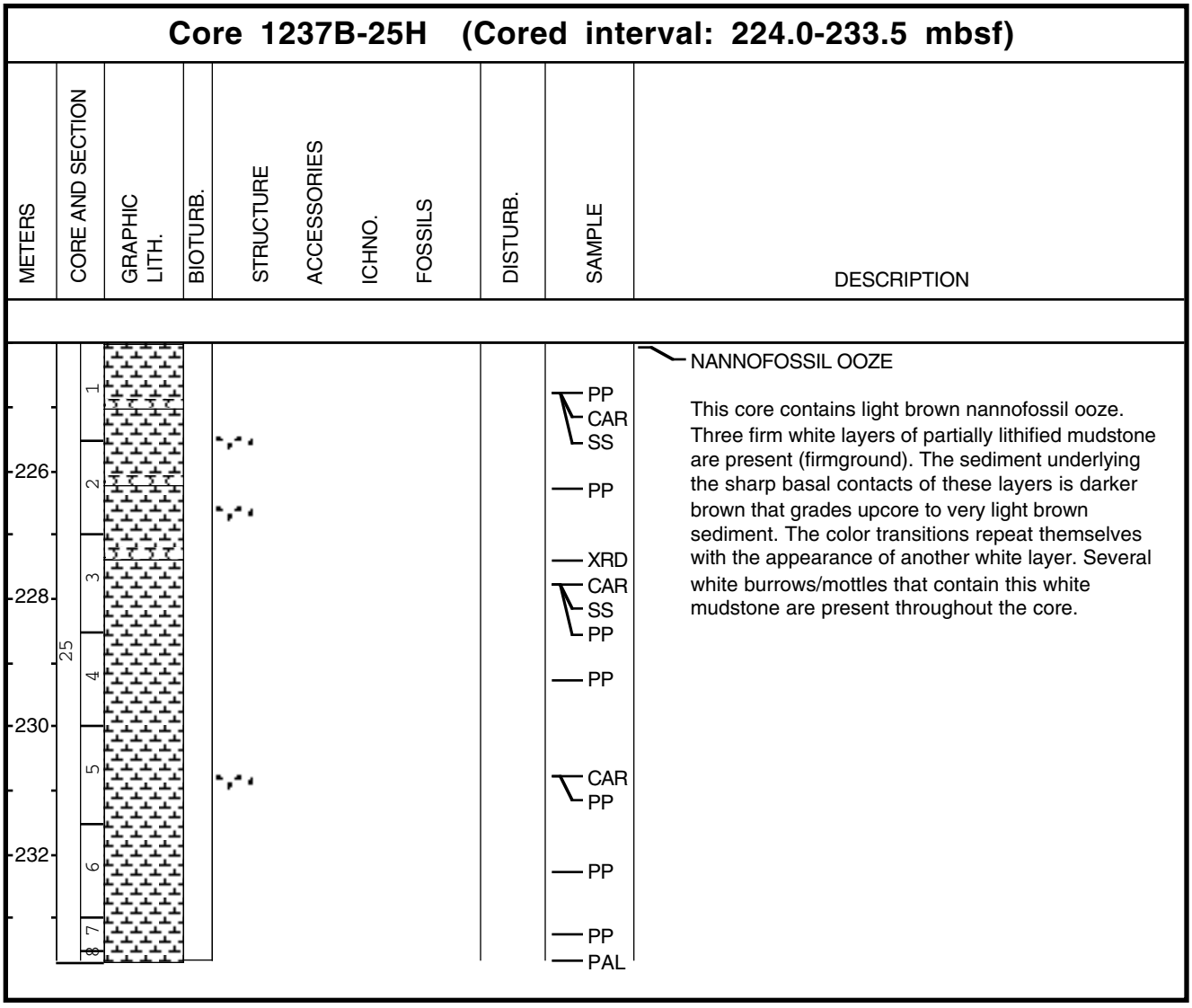
Core Photo


Core 1237B-23H (Cored interval: 205.0-214.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
206
208
210
212
214
23
1
2
3
4
5
6
7
8
PP
SS
CAR
PP
CAR
PP
SS
IW
PP
CAR
PP
PP
PP
PAL
NANNOFOSSIL OOZE
This core contains very firm and homogeneous nannofossil ooze. Micrite is abundant within the dominant lithology. Color varies gradationally from light yellowish brown to light olive brown. White mottling occurs occasionally downcore. In Section 2, 100 cm, a thin dark gray lens is present. A bright white patch occurs in Section 4, 57-58 cm.

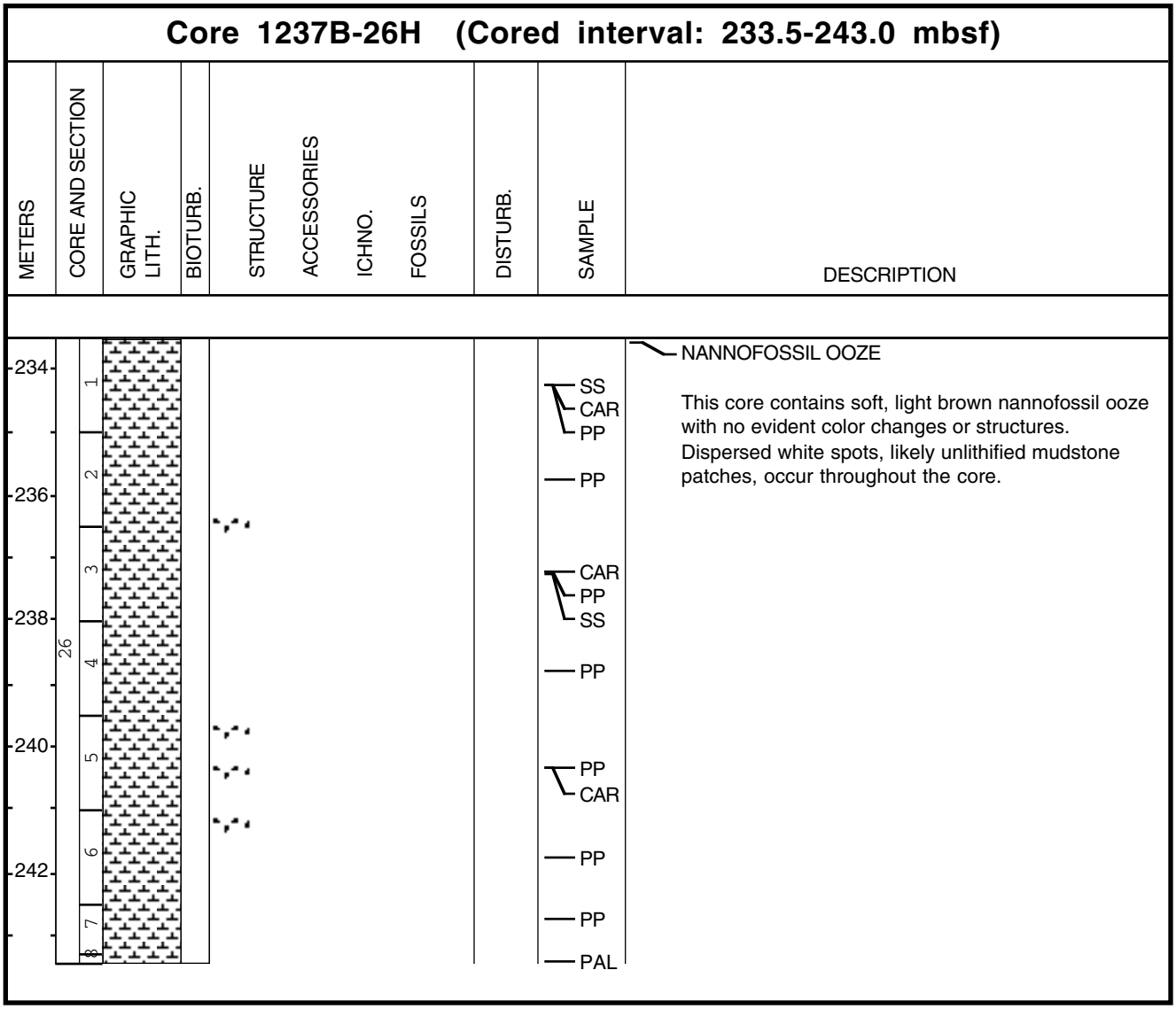
Core Photo


Core 1237B-24H (Cored interval: 214.5-224.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
216
218
220
222
224
24
1
2
3
4
5
6
7
B
CAR
PP
SS
PP
SS
PP
CAR
SS
IW
PP
SS
PP
CAR
PP
PP
PAL
NANNOFOSSIL OOZE
This core contains nannofossil ooze with slight color fluctuations between lighter and darker very pale brown. The occasional mottles/burrows are outlined by a gray halo and in-filled with white, unlithified mudstone. Two very firm layers present in Section 2 , 82 cm, and Section 4, 111 cm, are the same color as the dominant lithology, but are composed of unlithified micrite-rich mudstone (firmground notation in graphic lithology).

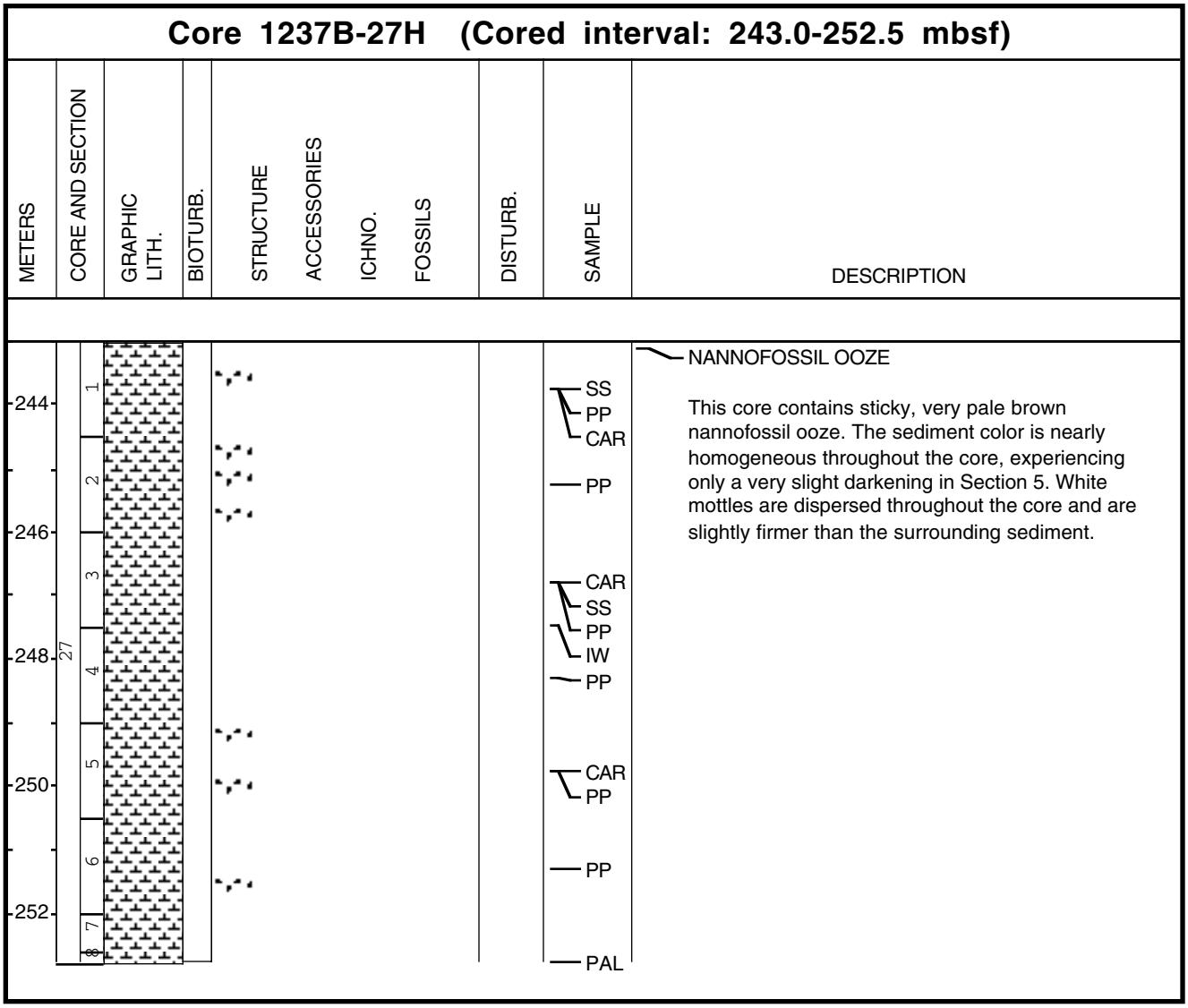
Core Photo


Core 1237B-25H (Cored interval: 224.0-233.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
226
228
230
232
25
1
2
3
4
5
6
7
8
PP
CAR
SS
PP
XRD
CAR
SS
PP
PP
CAR
PP
PP
PP
PAL
NANNOFOSSIL OOZE
This core contains light brown nannofossil ooze. Three firm white layers of partially lithified mudstone are present (firmground). The sediment underlying the sharp basal contacts of these layers is darker brown that grades upcore to very light brown sediment. The color transitions repeat themselves with the appearance of another white layer. Several white burrows/mottles that contain this white mudstone are present throughout the core.

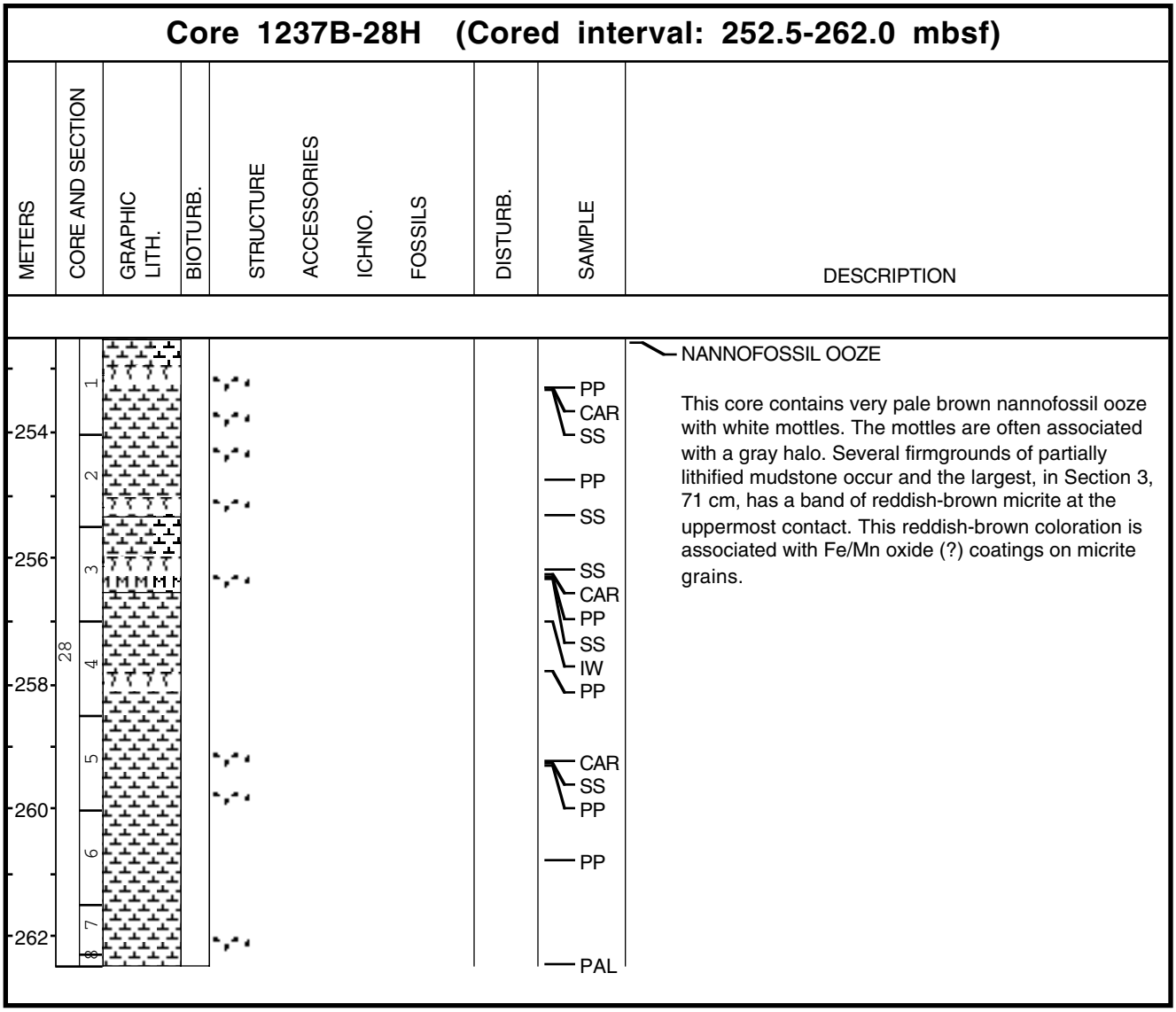
Core Photo


Core 1237B-26H (Cored interval: 233.5-243.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
234
236
238
240
242
26
1
2
3
4
5
6
7
8
SS
CAR
PP
PP
CAR
PP
SS
PP
PP
CAR
PP
PP
PAL
NANNOFOSSIL OOZE
This core contains soft, light brown nannofossil ooze with no evident color changes or structures. Dispersed white spots, likely unlithified mudstone patches, occur throughout the core.

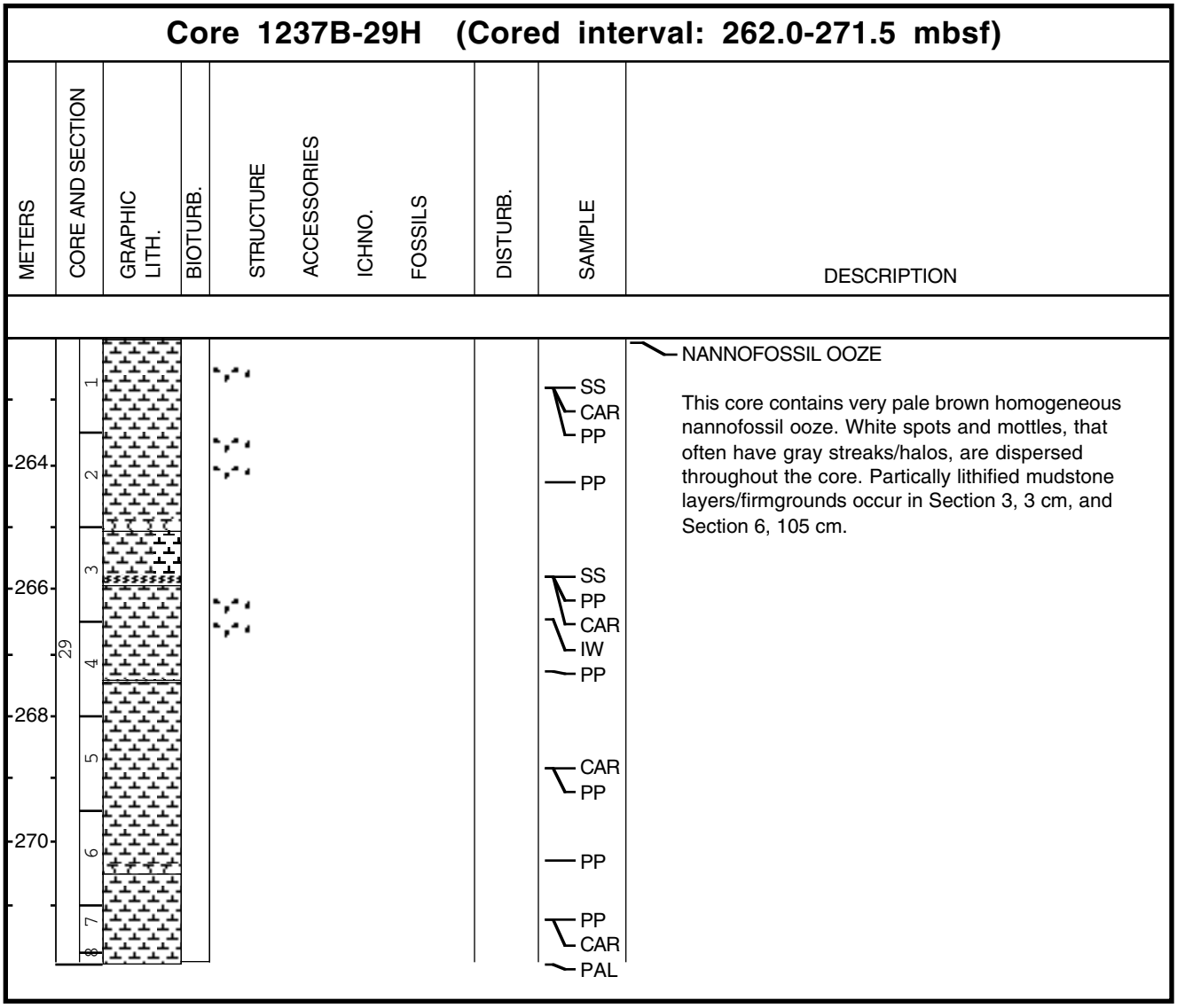
Core Photo


Core 1237B-27H (Cored interval: 243.0-252.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
244
246
248
250
252
27
1
2
3
4
5
6
7
SS
PP
CAR
PP
CAR
SS
PP
IW
PP
CAR
PP
PP
PAL
NANNOFOSSIL OOZE
This core contains sticky, very pale brown nannofossil ooze. The sediment color is nearly homogeneous throughout the core, experiencing only a very slight darkening in Section 5. White mottles are dispersed throughout the core and are slightly firmer than the surrounding sediment.

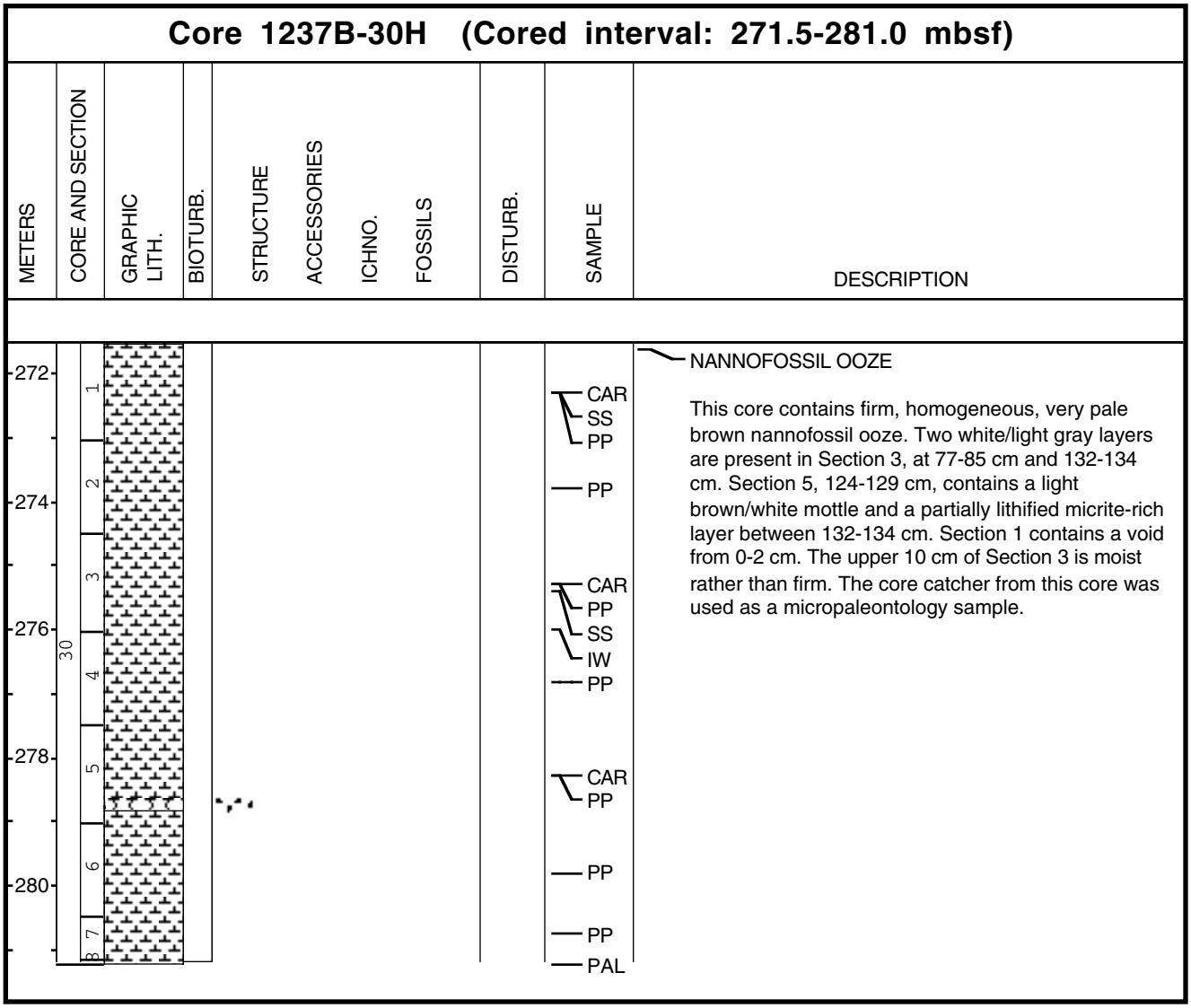
Core Photo


Core 1237B-28H (Cored interval: 252.5-262.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
254
256
258
260
262
28
1
2
3
4
5
6
7
8
PP
CAR
SS
PP
SS
SS
CAR
PP
SS
IW
PP
CAR
SS
PP
PP
PAL
NANNOFOSSIL OOZE
This core contains very pale brown nannofossil ooze with white mottles. The mottles are often associated with a gray halo. Several firmgrounds of partially lithified mudstone occur and the largest, in Section 3, 71 cm, has a band of reddish-brown micrite at the uppermost contact. This reddish-brown coloration is associated with Fe/Mn oxide (?) coatings on micrite grains.

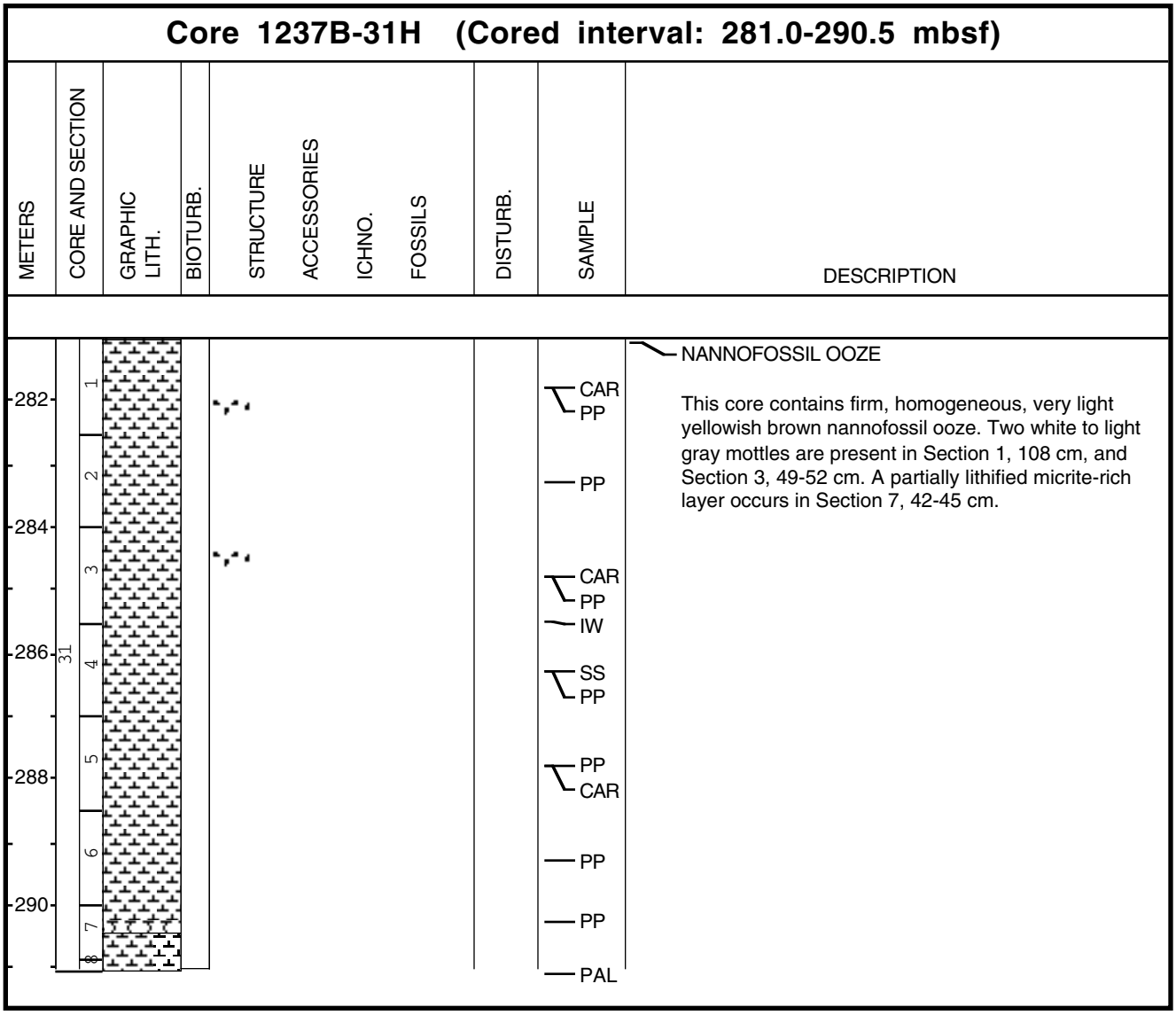
Core Photo


Core 1237B-29H (Cored interval: 262.0-271.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
264
266
268
270
29
1
2
3
4
5
6
7
8
SS
CAR
PP
PP
SS
PP
CAR
IW
PP
CAR
PP
PP
PP
CAR
PAL
NANNOFOSSIL OOZE
This core contains very pale brown homogeneous nannofossil ooze. White spots and mottles, that often have gray streaks/halos, are dispersed throughout the core. Partically lithified mudstone layers/firmgrounds occur in Section 3, 3 cm, and Section 6, 105 cm.

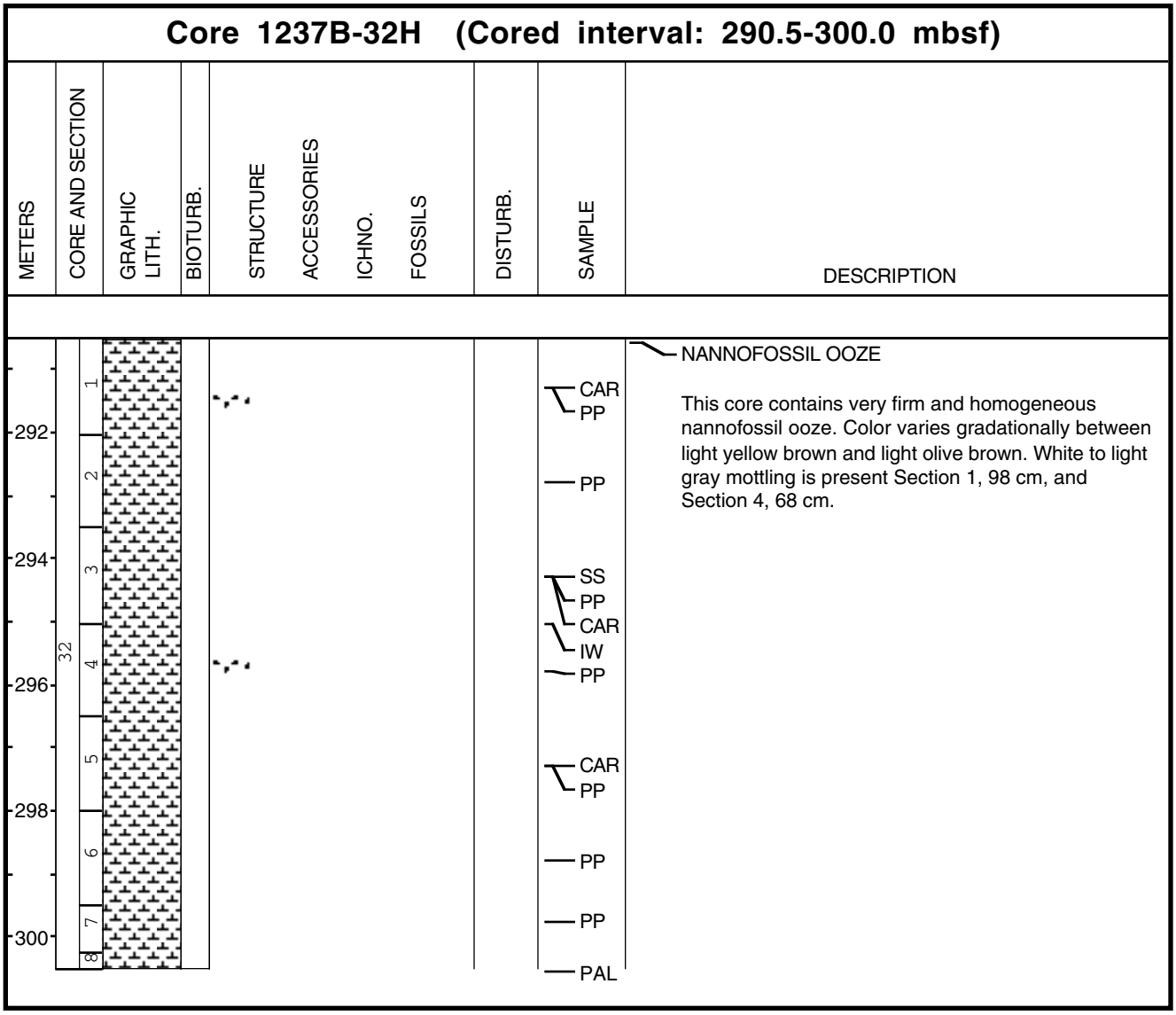
Core Photo


Core 1237B-30H (Cored interval: 271.5-281.0 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
CC
CAR
SS
PP
PP
CAR
PP
SS
IW
PP
CAR
PP
PP
PP
PAL
NANNOFOSSIL OOZE
This core contains firm, homogeneous, very pale brown nannofossil ooze. Two white/light gray layers are present in Section 3, at 77-85 cm and 132-134 cm. Section 5, 124-129 cm, contains a light brown/white mottle and a partially lithified micrite-rich layer between 132-134 cm. Section 1 contains a void from 0-2 cm. The upper 10 cm of Section 3 is moist rather than firm. The core catcher from this core was used as a micropaleontology sample.

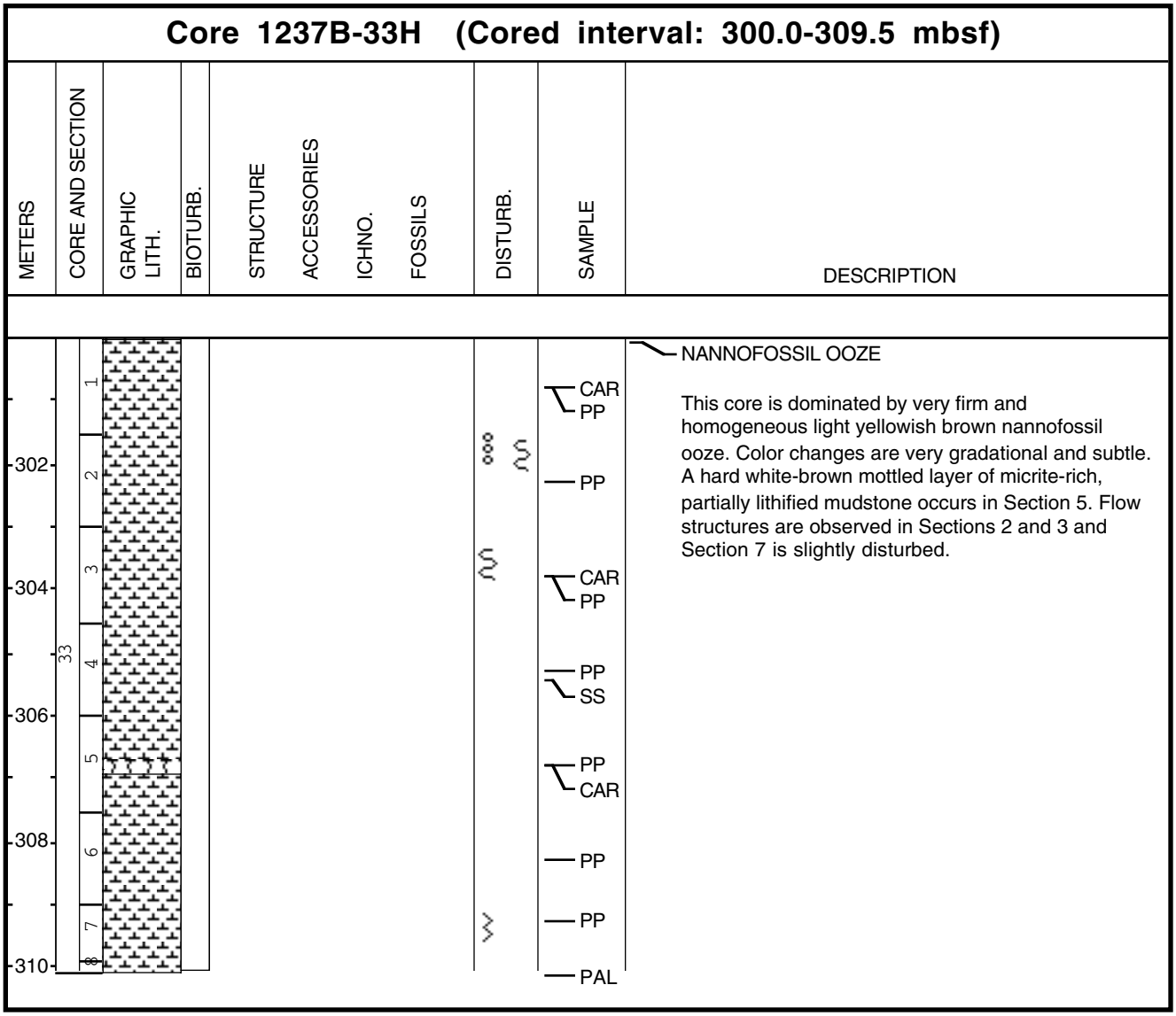
Core Photo


Core 1237B-31H (Cored interval: 281.0-290.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
282
284
286
288
290
31
1
2
3
4
5
6
7
CAR
PP
PP
CAR
PP
IW
SS
PP
PP
CAR
PP
PP
PAL
NANNOFOSSIL OOZE
This core contains firm, homogeneous, very light yellowish brown nannofossil ooze. Two white to light gray mottles are present in Section 1, 108 cm, and Section 3, 49-52 cm. A partially lithified micrite-rich layer occurs in Section 7, 42-45 cm.

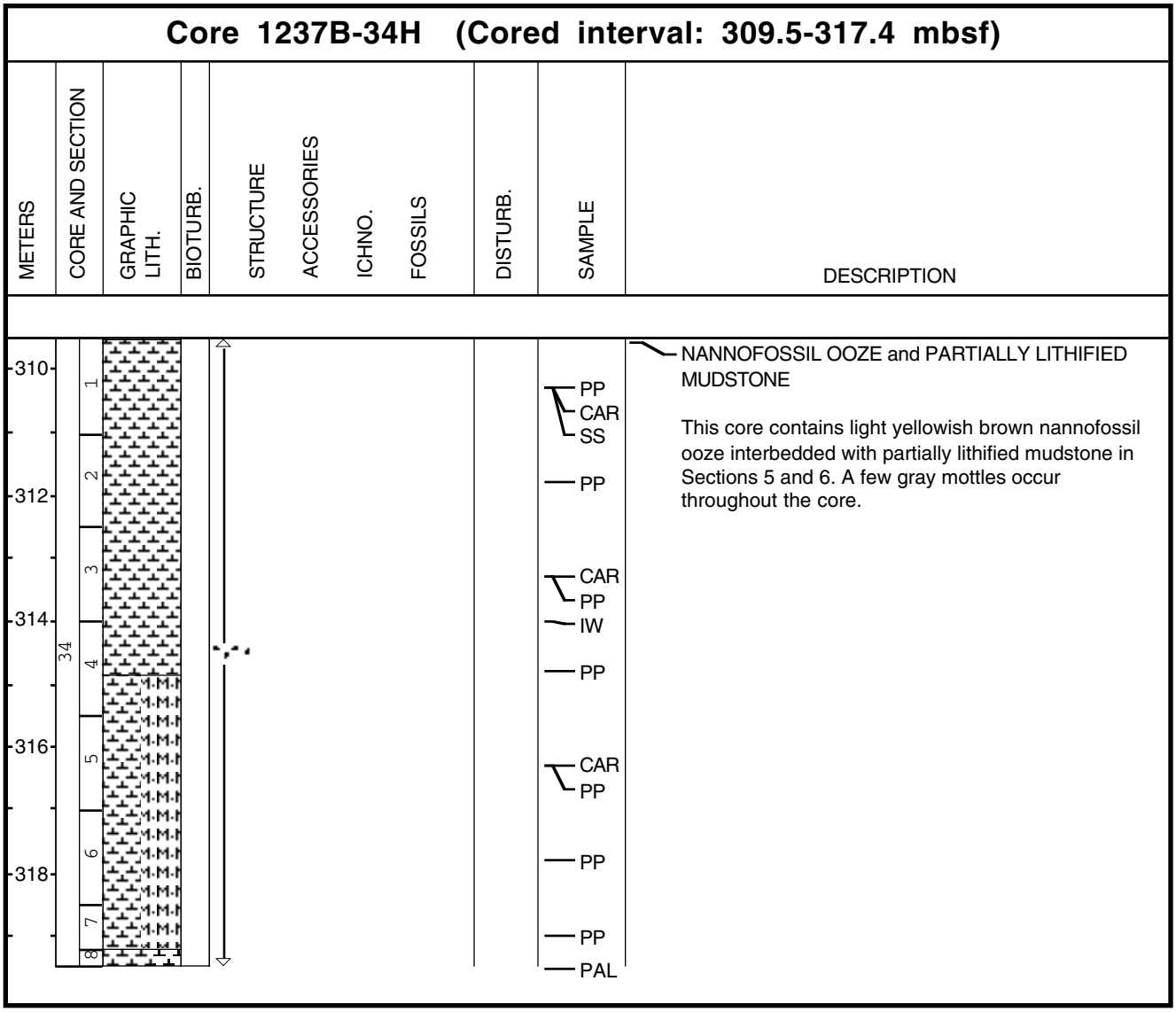
Core Photo


Core 1237B-32H (Cored interval: 290.5-300.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
292
294
296
298
300
32
1
2
3
4
5
6
7
8
CAR
PP
PP
SS
PP
CAR
IW
PP
CAR
PP
PP
PP
PAL
NANNOFOSSIL OOZE
This core contains very firm and homogeneous nannofossil ooze. Color varies gradationally between light yellow brown and light olive brown. White to light gray mottling is present Section 1, 98 cm, and Section 4, 68 cm.

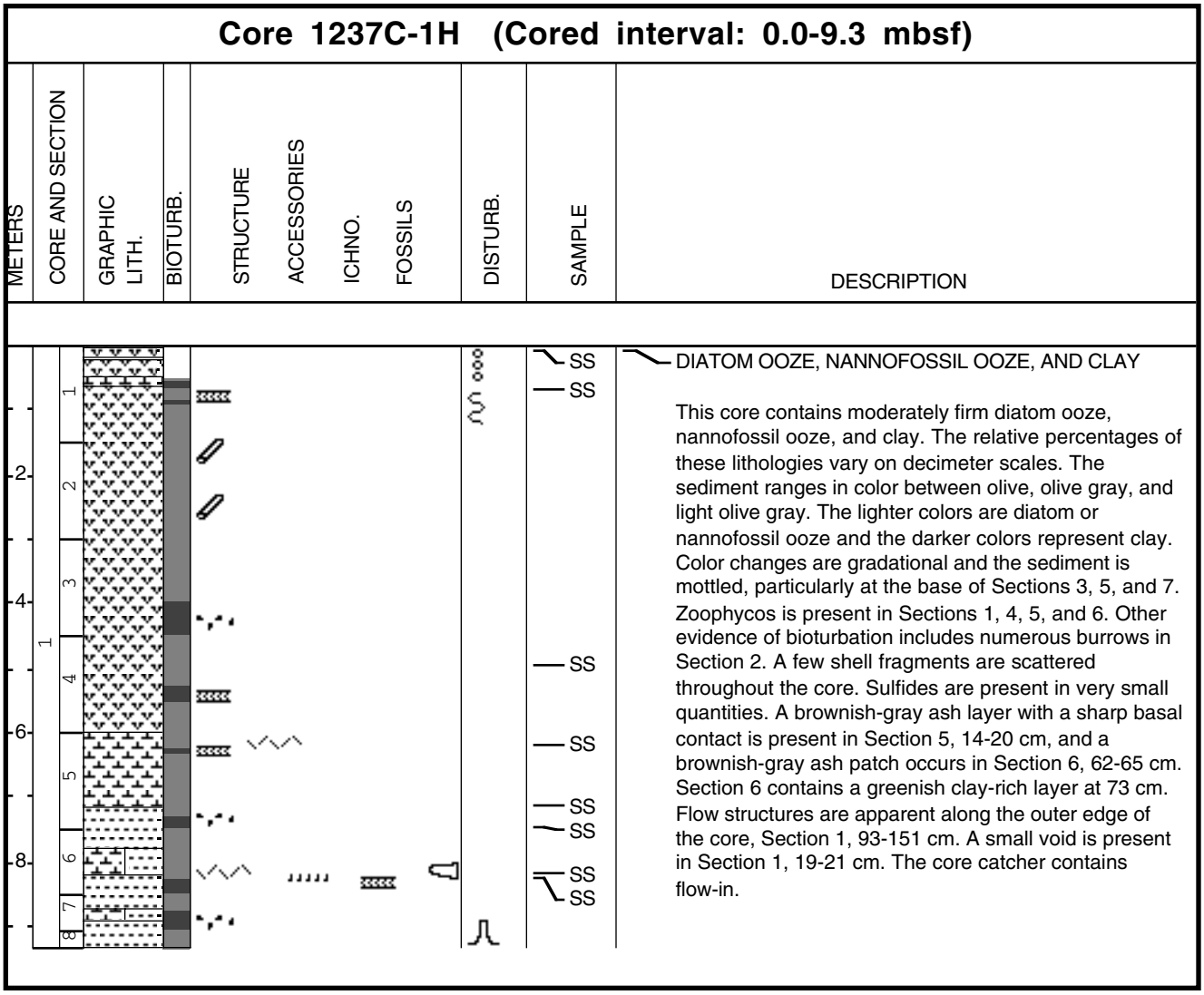
Core Photo


Core 1237B-33H (Cored interval: 300.0-309.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
302
304
306
308
310
33
1
2
3
4
5
6
7
8
CAR
PP
PP
CAR
PP
PP
SS
PP
CAR
PP
PP
PAL
NANNOFOSSIL OOZE
This core is dominated by very firm and homogeneous light yellowish brown nannofossil ooze. Color changes are very gradational and subtle. A hard white-brown mottled layer of micrite-rich, partially lithified mudstone occurs in Section 5. Flow structures are observed in Sections 2 and 3 and Section 7 is slightly disturbed.

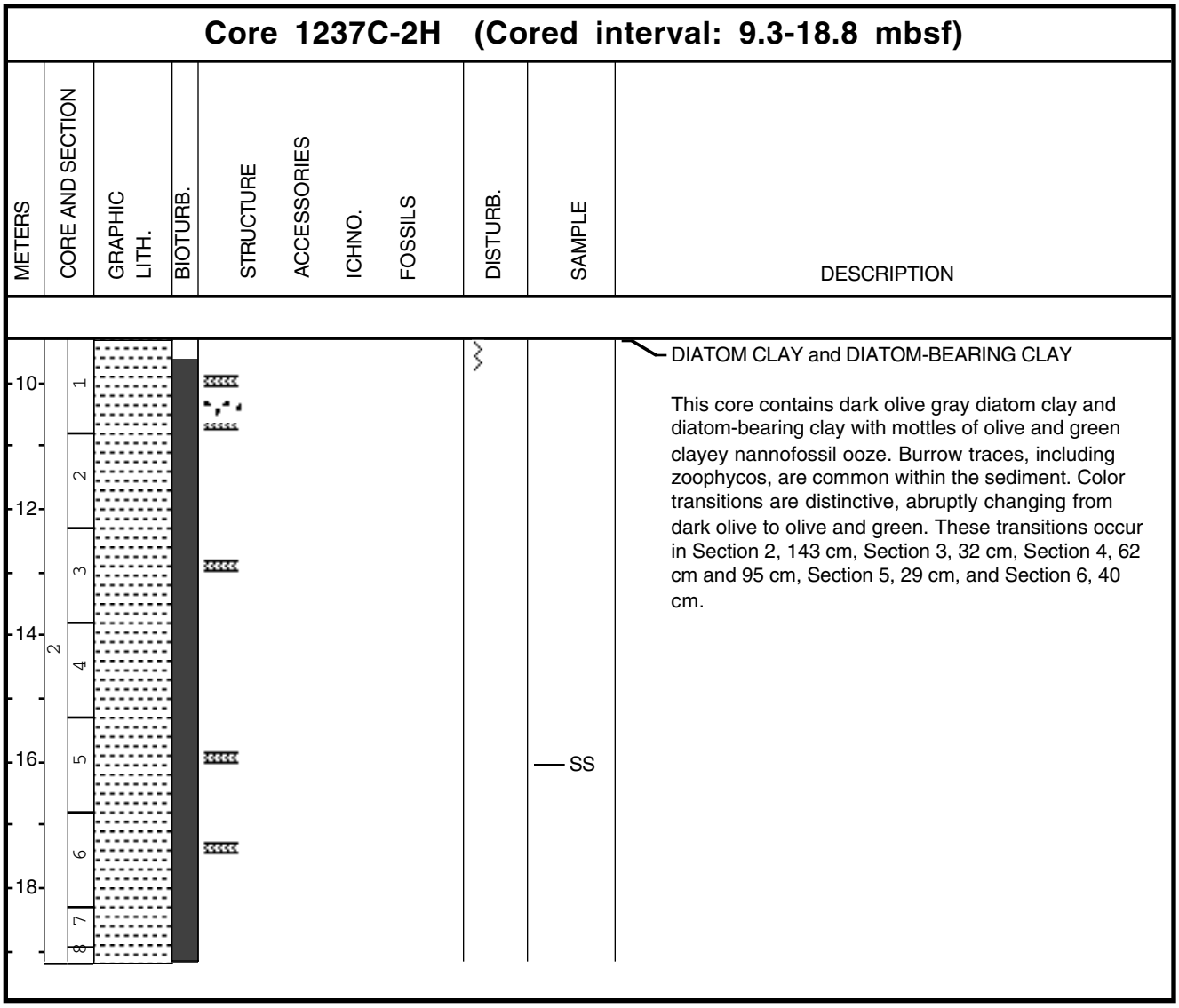
Core Photo


Core 1237B-34H (Cored interval: 309.5-317.4 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
310
312
314
316
318
34
1
2
3
4
5
6
7
8
PP
CAR
SS
PP
CAR
PP
IW
PP
CAR
PP
PP
PP
PAL
NANNOFOSSIL OOZE and PARTIALLY LITHIFIED MUDSTONE
This core contains light yellowish brown nannofossil ooze interbedded with partially lithified mudstone in Sections 5 and 6. A few gray mottles occur throughout the core.

Core Photo

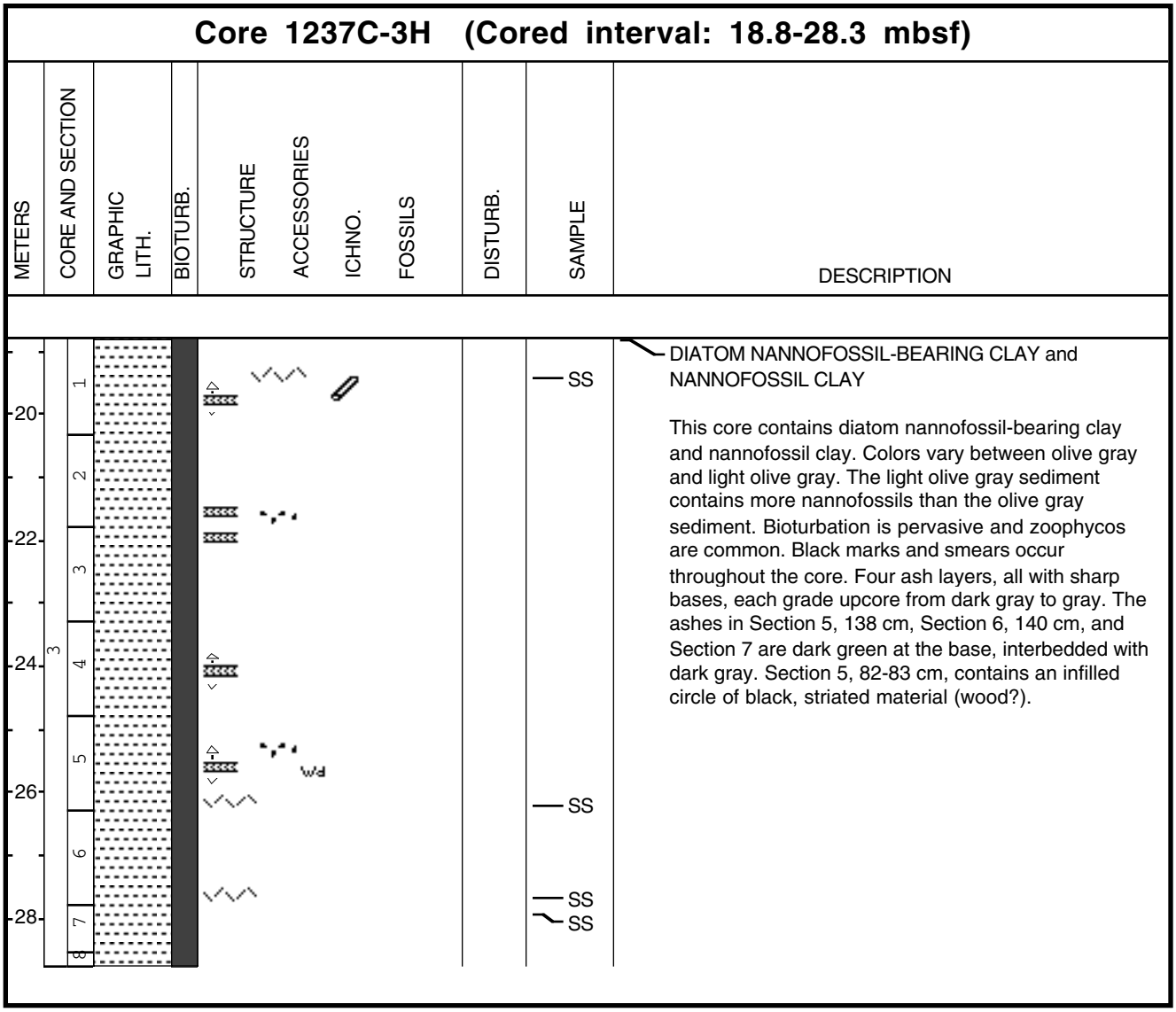

Core 1237C-1H (Cored interval: 0.0-9.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
SS
SS
SS
DIATOM OOZE, NANNOFOSSIL OOZE, AND CLAY
This core contains moderately firm diatom ooze, nannofossil ooze, and clay. The relative percentages of these lithologies vary on decimeter scales. The sediment ranges in color between olive, olive gray, and light olive gray. The lighter colors are diatom or nannofossil ooze and the darker colors represent clay. Color changes are gradational and the sediment is mottled, particularly at the base of Sections 3, 5, and 7. Zoophycos is present in Sections 1, 4, 5, and 6. Other evidence of bioturbation includes numerous burrows in Section 2. A few shell fragments are scattered throughout the core. Sulfides are present in very small quantities. A brownish-gray ash layer with a sharp basal contact is present in Section 5, 14-20 cm, and a brownish-gray ash patch occurs in Section 6, 62-65 cm. Section 6 contains a greenish clay-rich layer at 73 cm. Flow structures are apparent along the outer edge of the core, Section 1, 93-151 cm. A small void is present in Section 1, 19-21 cm. The core catcher contains flow-in.

Core Photo


Core 1237C-2H (Cored interval: 9.3-18.8 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
SS
DIATOM CLAY and DIATOM-BEARING CLAY
This core contains dark olive gray diatom clay and diatom-bearing clay with mottles of olive and green clayey nannofossil ooze. Burrow traces, including zoophycos, are common within the sediment. Color transitions are distinctive, abruptly changing from dark olive to olive and green. These transitions occur in Section 2, 143 cm, Section 3, 32 cm, Section 4, 62 cm and 95 cm, Section 5, 29 cm, and Section 6, 40 cm.

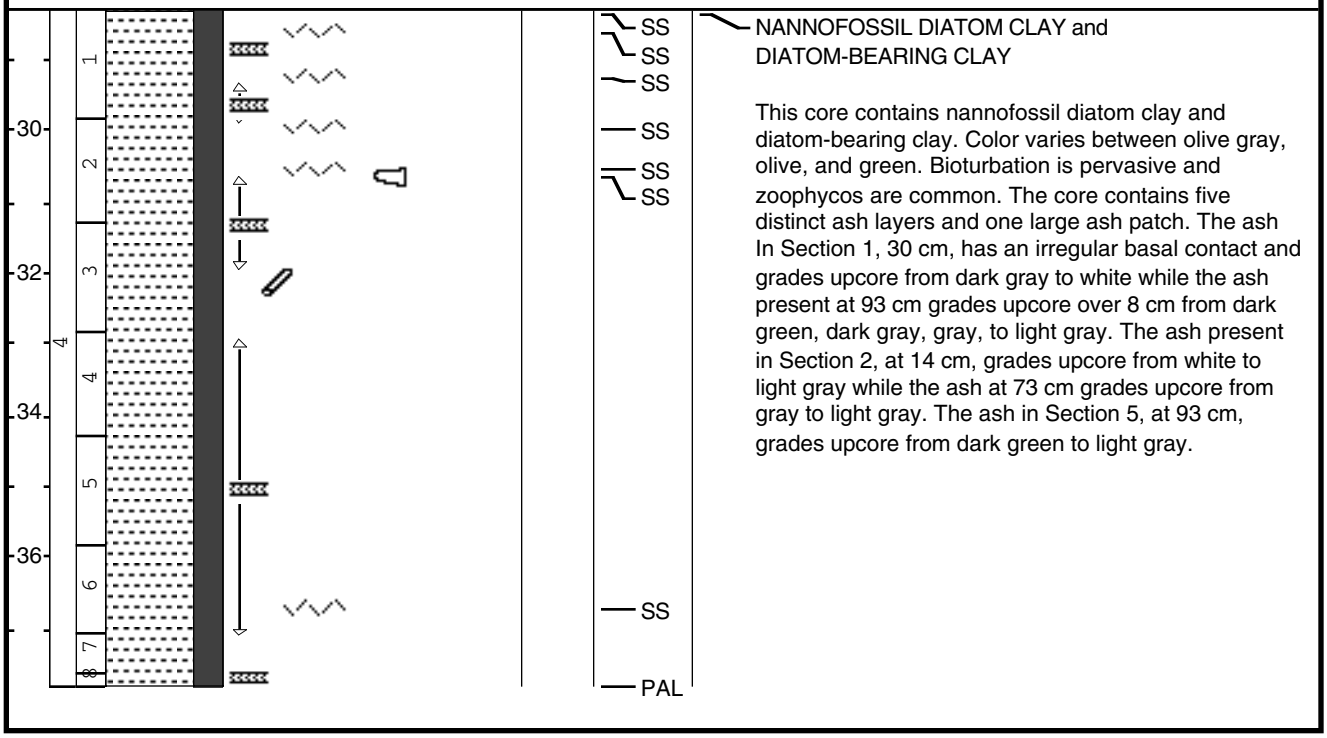
Core Photo

Core 1237C-3H (Cored interval: 18.8-28.3 mbsf)

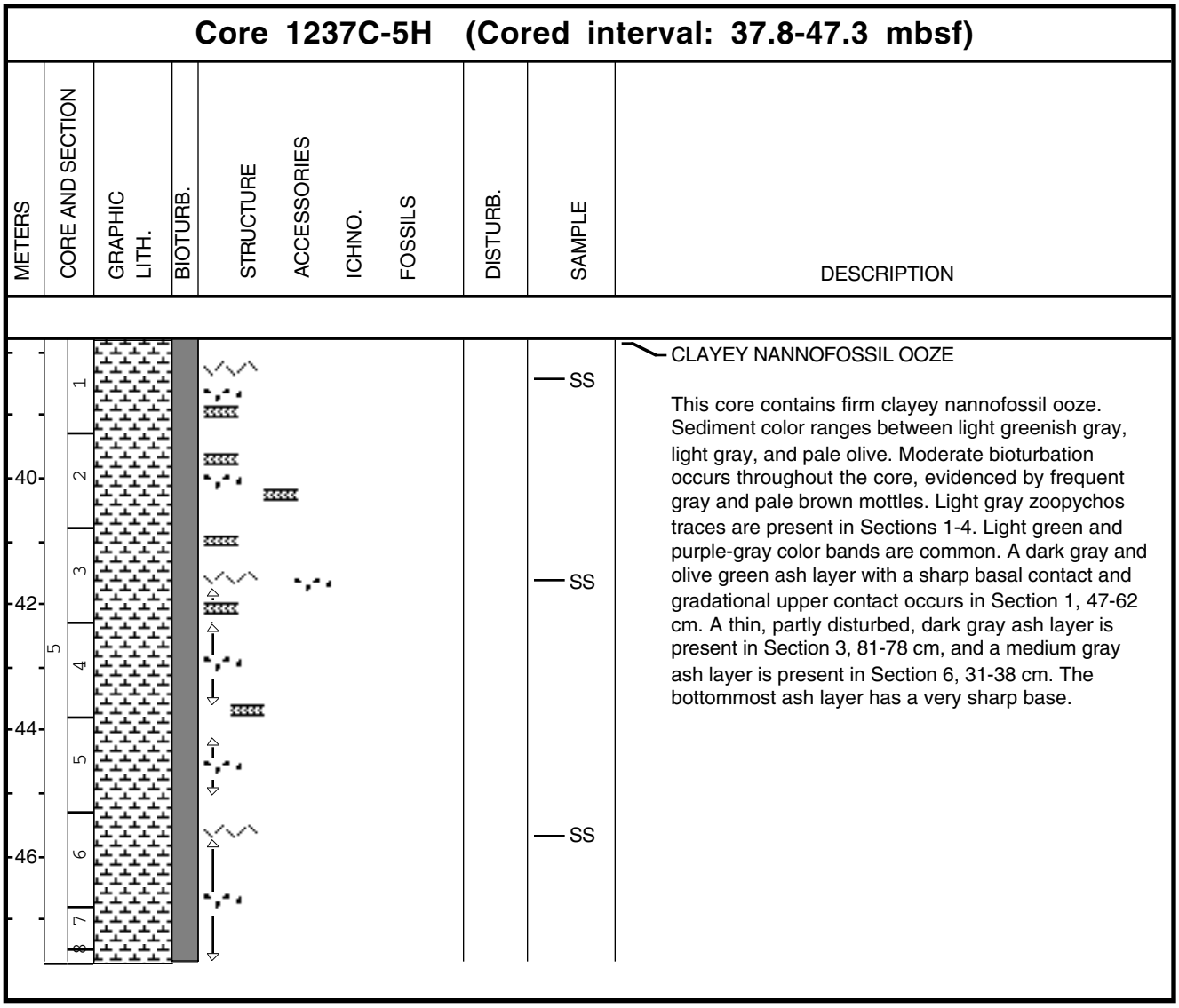


Core Photo

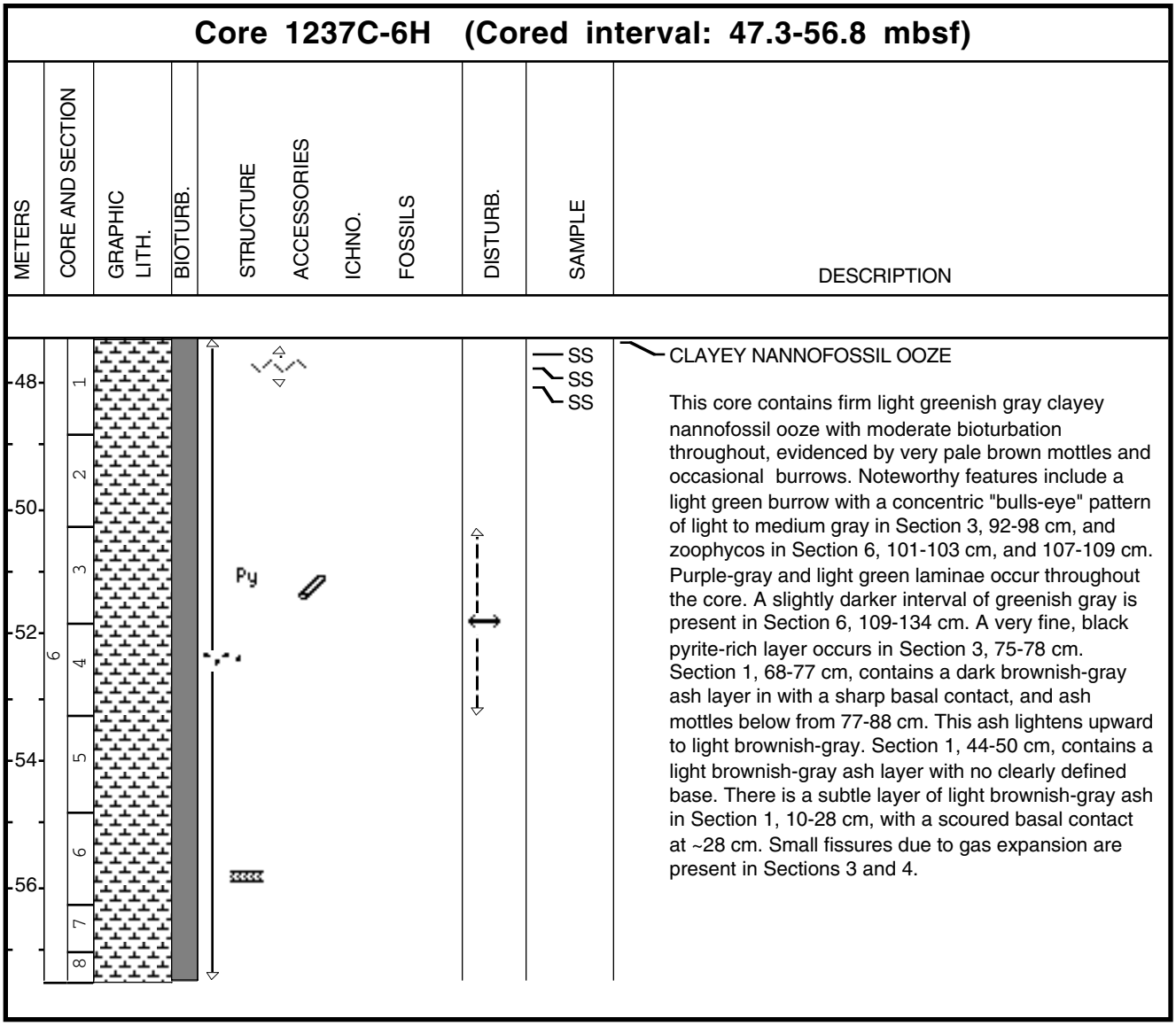
Core 1237C-4H (Cored interval: 28.3-37.8 mbsf)



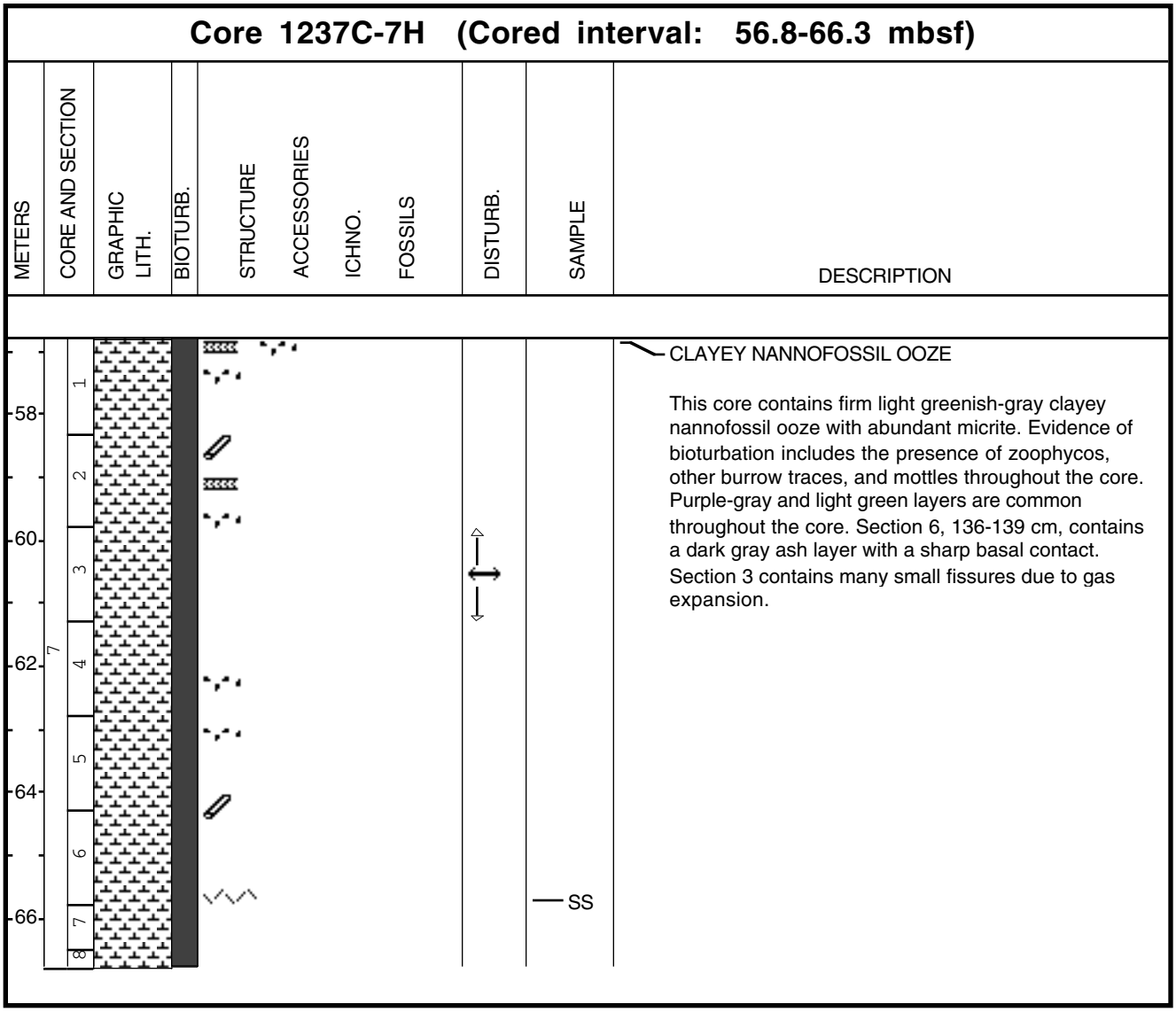
Core Photo


Core 1237C-5H (Cored interval: 37.8-47.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
40
42
44
46
5
1
2
3
4
5
6
7
SS
SS
SS
CLAYEY NANNOFOSSIL OOZE
This core contains firm clayey nannofossil ooze. Sediment color ranges between light greenish gray, light gray, and pale olive. Moderate bioturbation occurs throughout the core, evidenced by frequent gray and pale brown mottles. Light gray zoopychos traces are present in Sections 1-4. Light green and purple-gray color bands are common. A dark gray and olive green ash layer with a sharp basal contact and gradational upper contact occurs in Section 1, 47-62 cm. A thin, partly disturbed, dark gray ash layer is present in Section 3, 81-78 cm, and a medium gray ash layer is present in Section 6, 31-38 cm. The bottommost ash layer has a very sharp base.

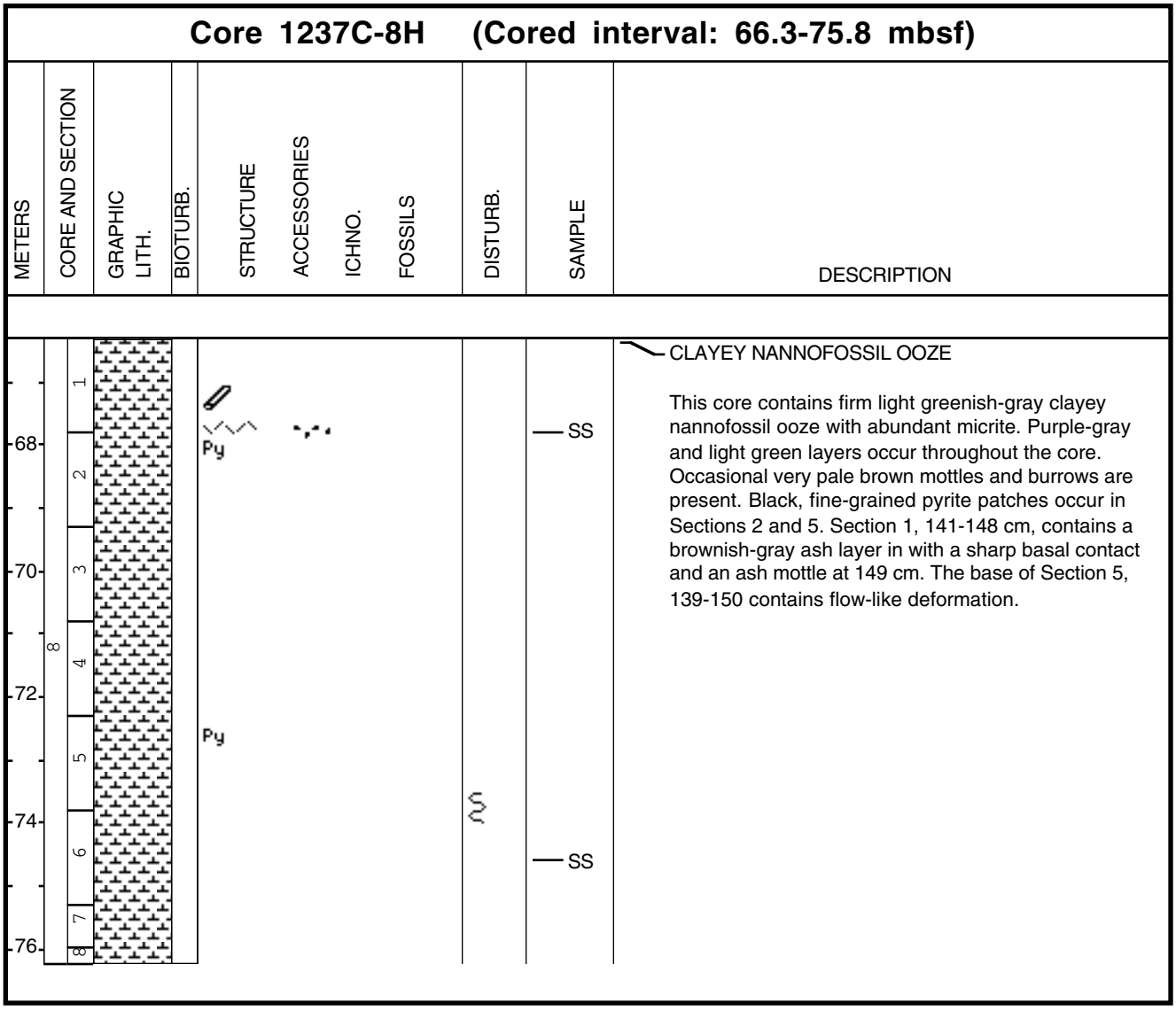
Core Photo


Core 1237C-6H (Cored interval: 47.3-56.8 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
Py
SS
SS
SS
CLAYEY NANNOFOSSIL OOZE
This core contains firm light greenish gray clayey nannofossil ooze with moderate bioturbation throughout, evidenced by very pale brown mottles and occasional burrows. Noteworthy features include a light green burrow with a concentric "bulls-eye" pattern of light to medium gray in Section 3, 92-98 cm, and zoophycos in Section 6, 101-103 cm, and 107-109 cm. Purple-gray and light green laminae occur throughout the core. A slightly darker interval of greenish gray is present in Section 6, 109-134 cm. A very fine, black pyrite-rich layer occurs in Section 3, 75-78 cm. Section 1, 68-77 cm, contains a dark brownish-gray ash layer in with a sharp basal contact, and ash mottles below from 77-88 cm. This ash lightens upward to light brownish-gray. Section 1, 44-50 cm, contains a light brownish-gray ash layer with no clearly defined base. There is a subtle layer of light brownish-gray ash in Section 1, 10-28 cm, with a scoured basal contact at ~28 cm. Small fissures due to gas expansion are present in Sections 3 and 4.

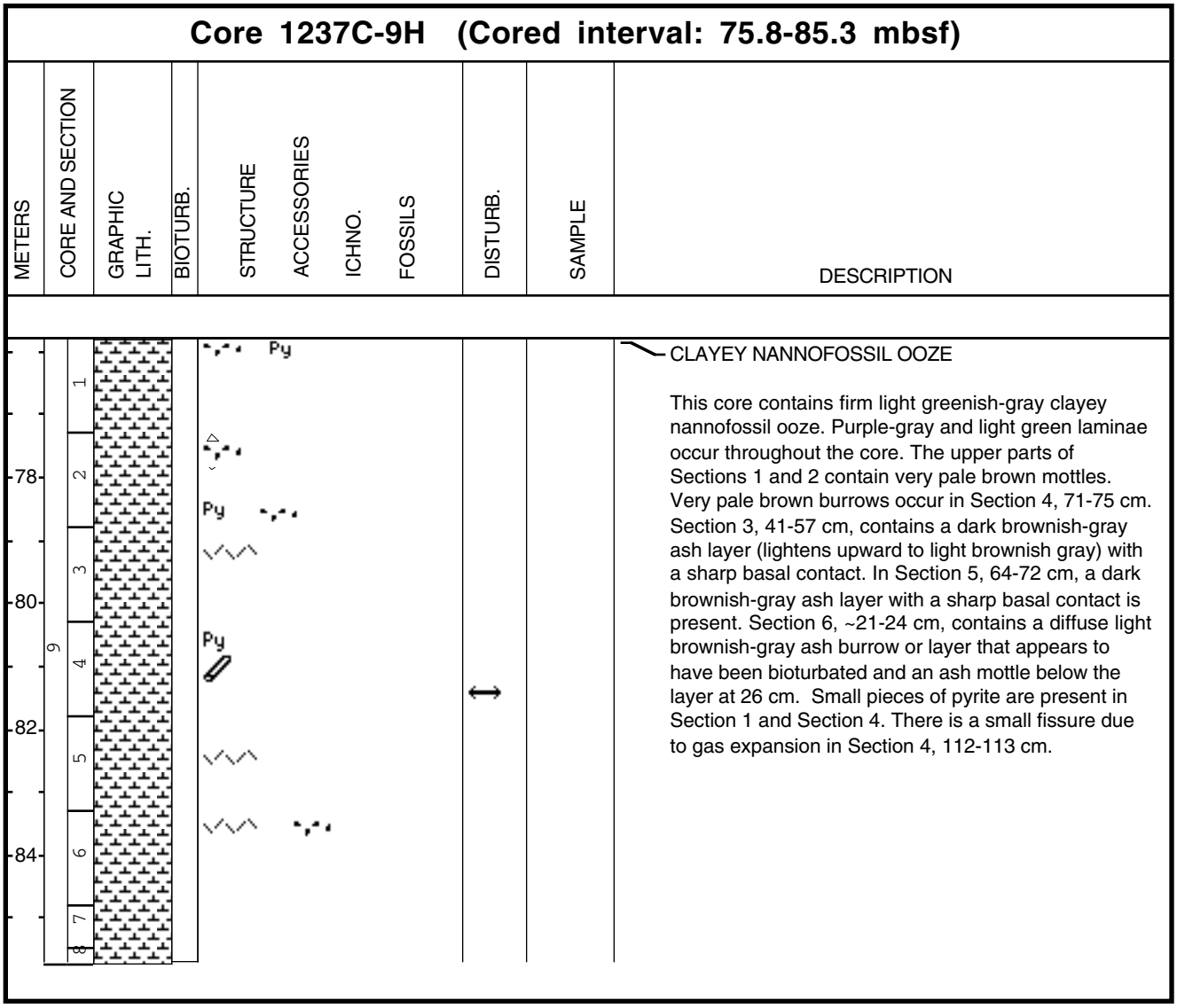
Core Photo


Core 1237C-7H (Cored interval: 56.8-66.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
58
60
62
64
66
7
1
2
3
4
5
6
7
8
SS
CLAYEY NANNOFOSSIL OOZE
This core contains firm light greenish-gray clayey nannofossil ooze with abundant micrite. Evidence of bioturbation includes the presence of zoophycos, other burrow traces, and mottles throughout the core. Purple-gray and light green layers are common throughout the core. Section 6, 136-139 cm, contains a dark gray ash layer with a sharp basal contact. Section 3 contains many small fissures due to gas expansion.

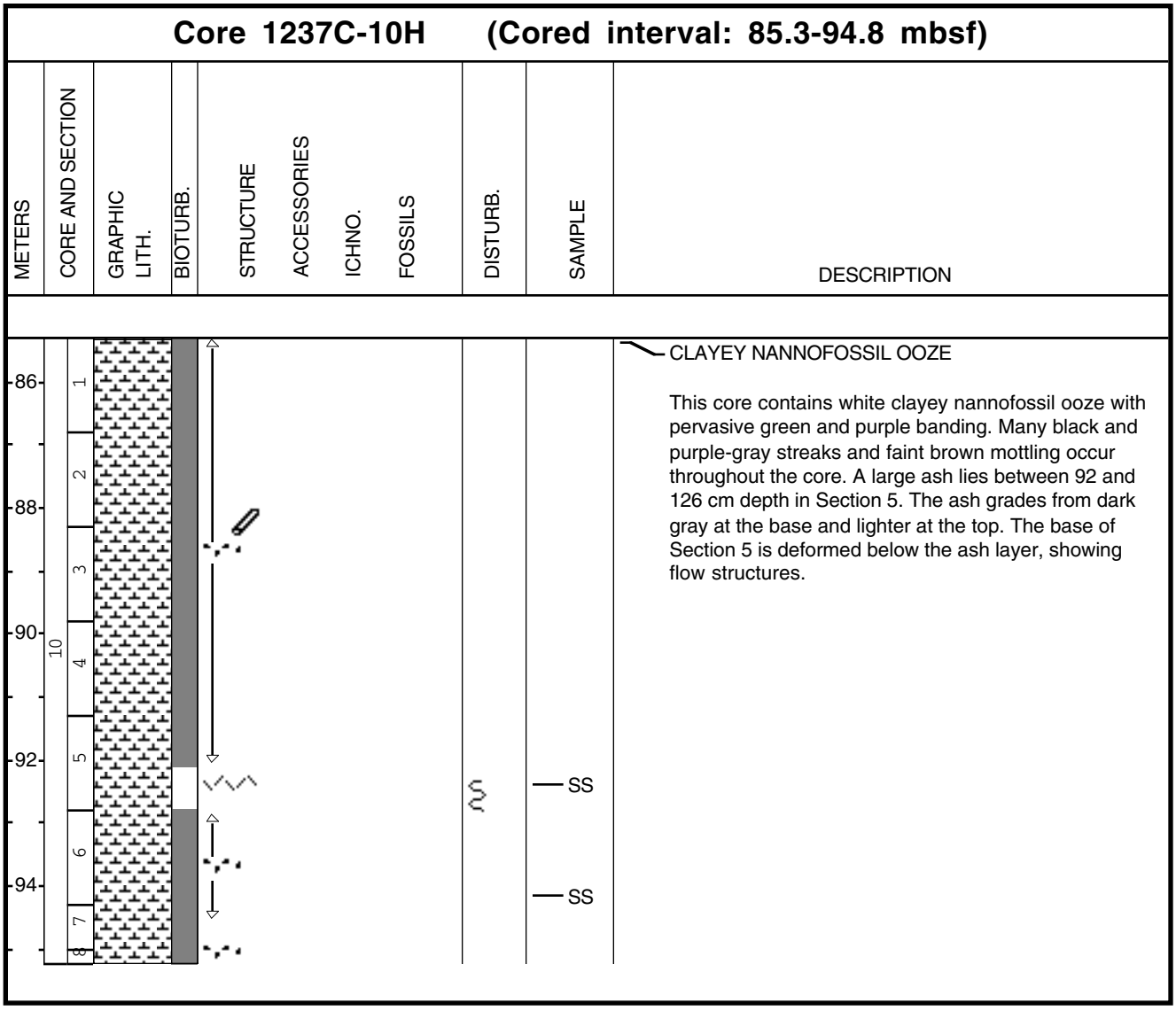
Core Photo


Core 1237C-8H (Cored interval: 66.3-75.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
68
70
72
74
76
8
1
2
3
4
5
6
7
Py
Py
SS
SS
CLAYEY NANNOFOSSIL OOZE
This core contains firm light greenish-gray clayey nannofossil ooze with abundant micrite. Purple-gray and light green layers occur throughout the core. Occasional very pale brown mottles and burrows are present. Black, fine-grained pyrite patches occur in Sections 2 and 5. Section 1, 141-148 cm, contains a brownish-gray ash layer in with a sharp basal contact and an ash mottle at 149 cm. The base of Section 5, 139-150 contains flow-like deformation.

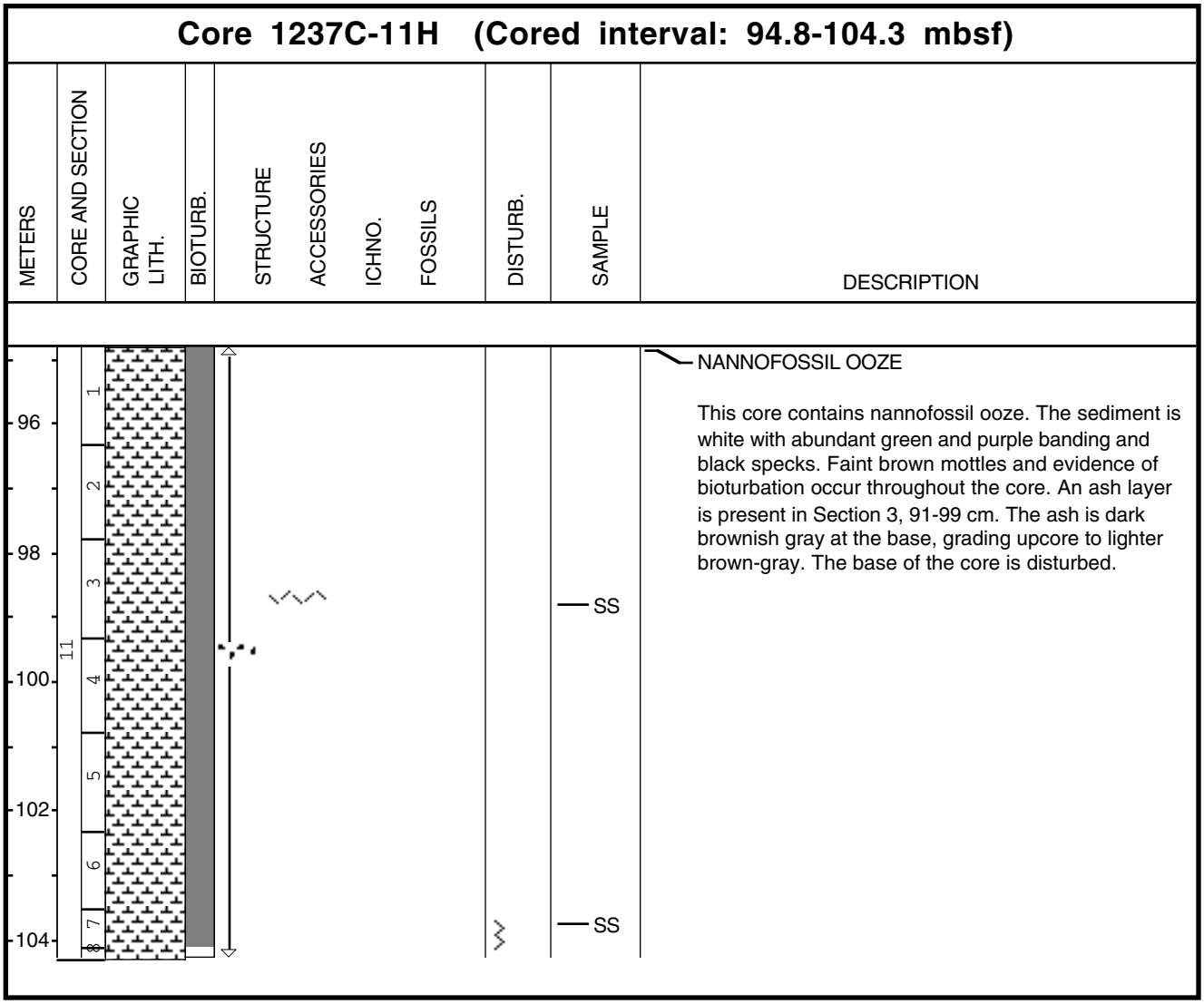
Core Photo


Core 1237C-9H (Cored interval: 75.8-85.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
78
80
82
84
9
1
2
3
4
5
6
7
8
Py
Py
Py
CLAYEY NANNOFOSSIL OOZE
This core contains firm light greenish-gray clayey nannofossil ooze. Purple-gray and light green laminae occur throughout the core. The upper parts of Sections 1 and 2 contain very pale brown mottles. Very pale brown burrows occur in Section 4, 71-75 cm. Section 3, 41-57 cm, contains a dark brownish-gray ash layer (lightens upward to light brownish gray) with a sharp basal contact. In Section 5, 64-72 cm, a dark brownish-gray ash layer with a sharp basal contact is present. Section 6, ~21-24 cm, contains a diffuse light brownish-gray ash burrow or layer that appears to have been bioturbated and an ash mottle below the layer at 26 cm. Small pieces of pyrite are present in Section 1 and Section 4. There is a small fissure due to gas expansion in Section 4, 112-113 cm.

Core Photo

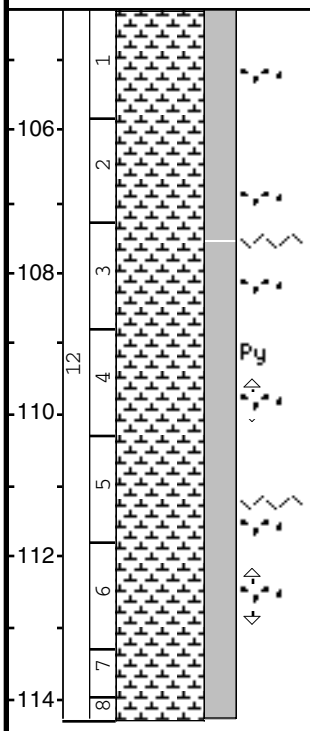

Core 1237C-10H (Cored interval: 85.3-94.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
86
88
90
92
94
10
1
2
3
4
5
6
7
8
SS
SS
CLAYEY NANNOFOSSIL OOZE
This core contains white clayey nannofossil ooze with pervasive green and purple banding. Many black and purple-gray streaks and faint brown mottling occur throughout the core. A large ash lies between 92 and 126 cm depth in Section 5. The ash grades from dark gray at the base and lighter at the top. The base of Section 5 is deformed below the ash layer, showing flow structures.

Core Photo


Core 1237C-11H (Cored interval: 94.8-104.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
96
98
100
102
104
11
1
2
3
4
5
6
7
SS
SS
NANNOFOSSIL OOZE
This core contains nannofossil ooze. The sediment is white with abundant green and purple banding and black specks. Faint brown mottles and evidence of bioturbation occur throughout the core. An ash layer is present in Section 3, 91-99 cm. The ash is dark brownish gray at the base, grading upcore to lighter brown-gray. The base of the core is disturbed.

Core Photo

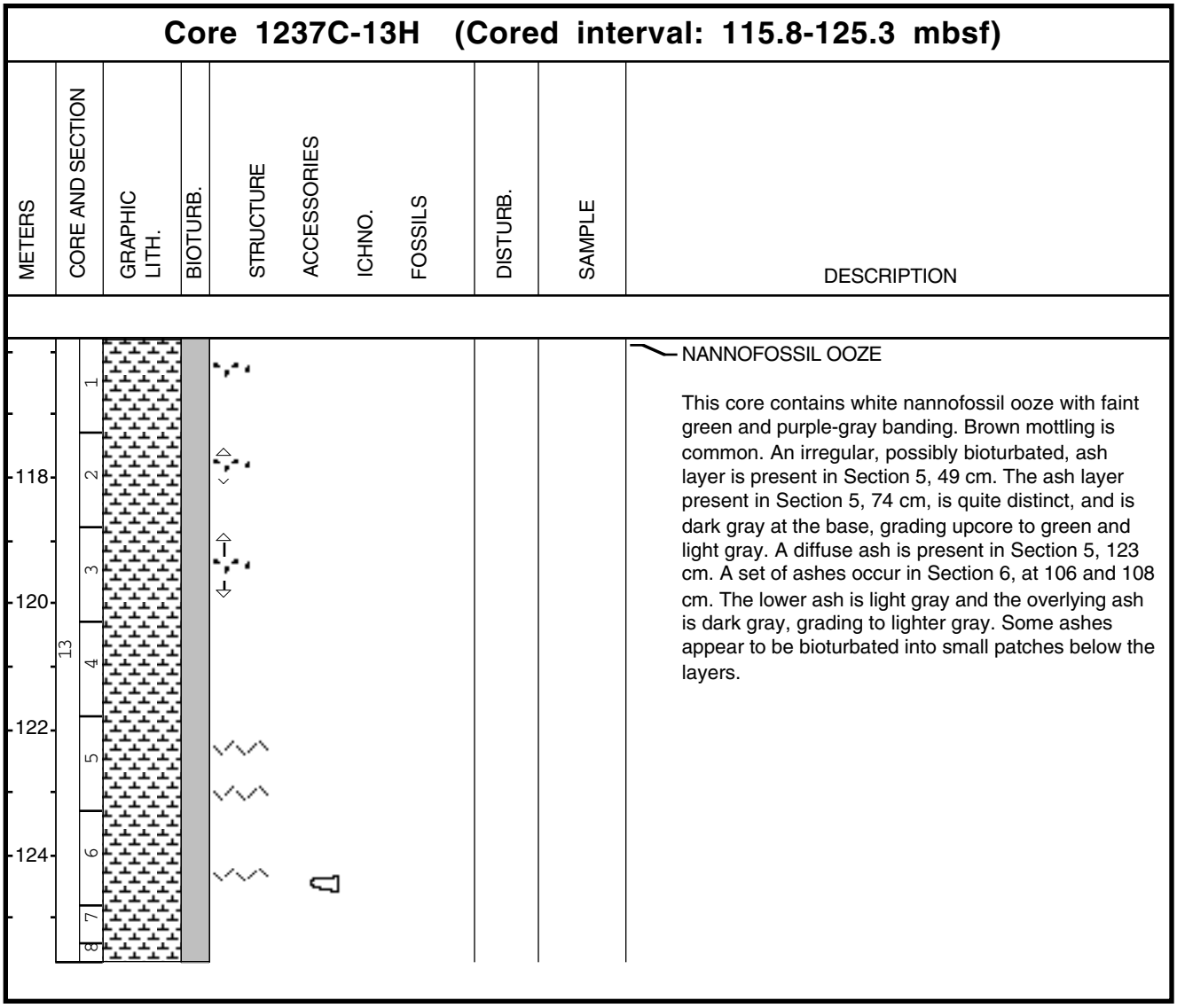
Core 1237C-12H (Cored interval: 104.3-113.8 mbsf)



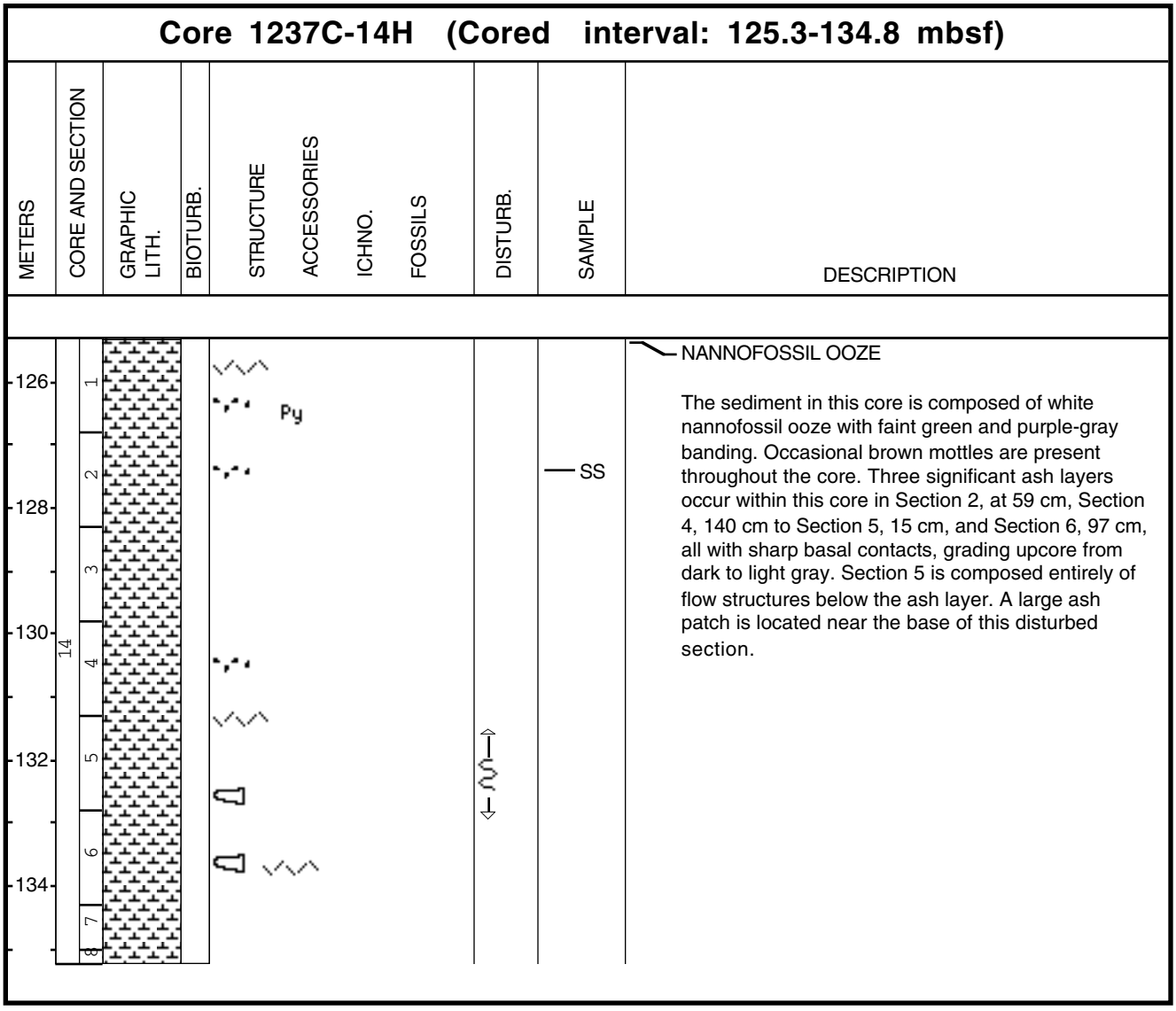
NANNOFOSSIL OOZE

This core contains white nannofossil ooze with frequent green and purple-gray banding. Light brown and gray mottling occurs throughout the core. Ash layers are present in Section 3, 26 cm, and Section 5, 92 cm. The upper ash has a sharp basal contact and is dark gray, grading upcore to lighter gray. Gray, white, and green mottles are prevasive throughout the lower ash.

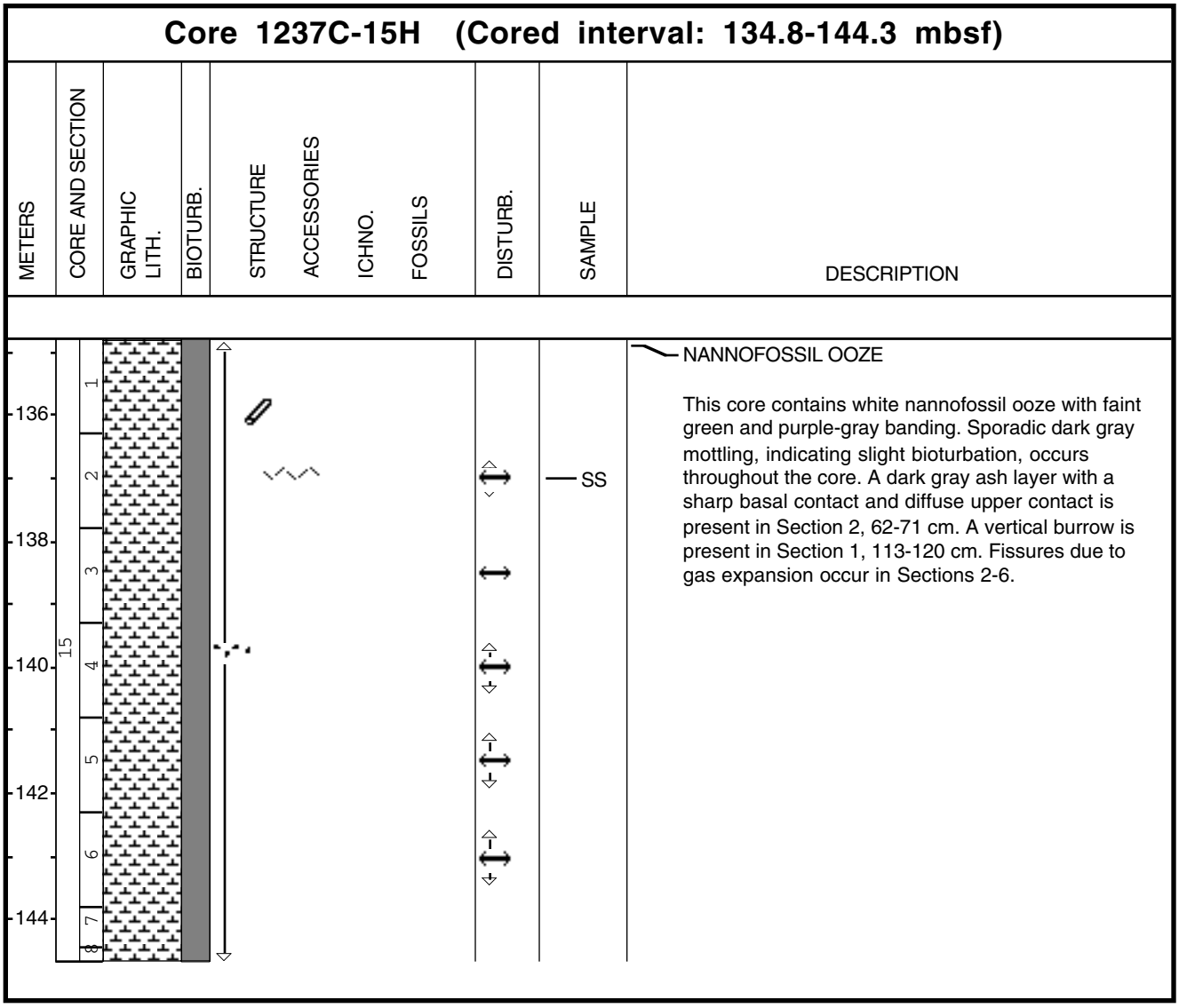
Core Photo


Core 1237C-13H (Cored interval: 115.8-125.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
118
120
122
124
13
1
2
3
4
5
6
7
CC
NANNOFOSSIL OOZE
This core contains white nannofossil ooze with faint green and purple-gray banding. Brown mottling is common. An irregular, possibly bioturbated, ash layer is present in Section 5, 49 cm. The ash layer present in Section 5, 74 cm, is quite distinct, and is dark gray at the base, grading upcore to green and light gray. A diffuse ash is present in Section 5, 123 cm. A set of ashes occur in Section 6, at 106 and 108 cm. The lower ash is light gray and the overlying ash is dark gray, grading to lighter gray. Some ashes appear to be bioturbated into small patches below the layers.

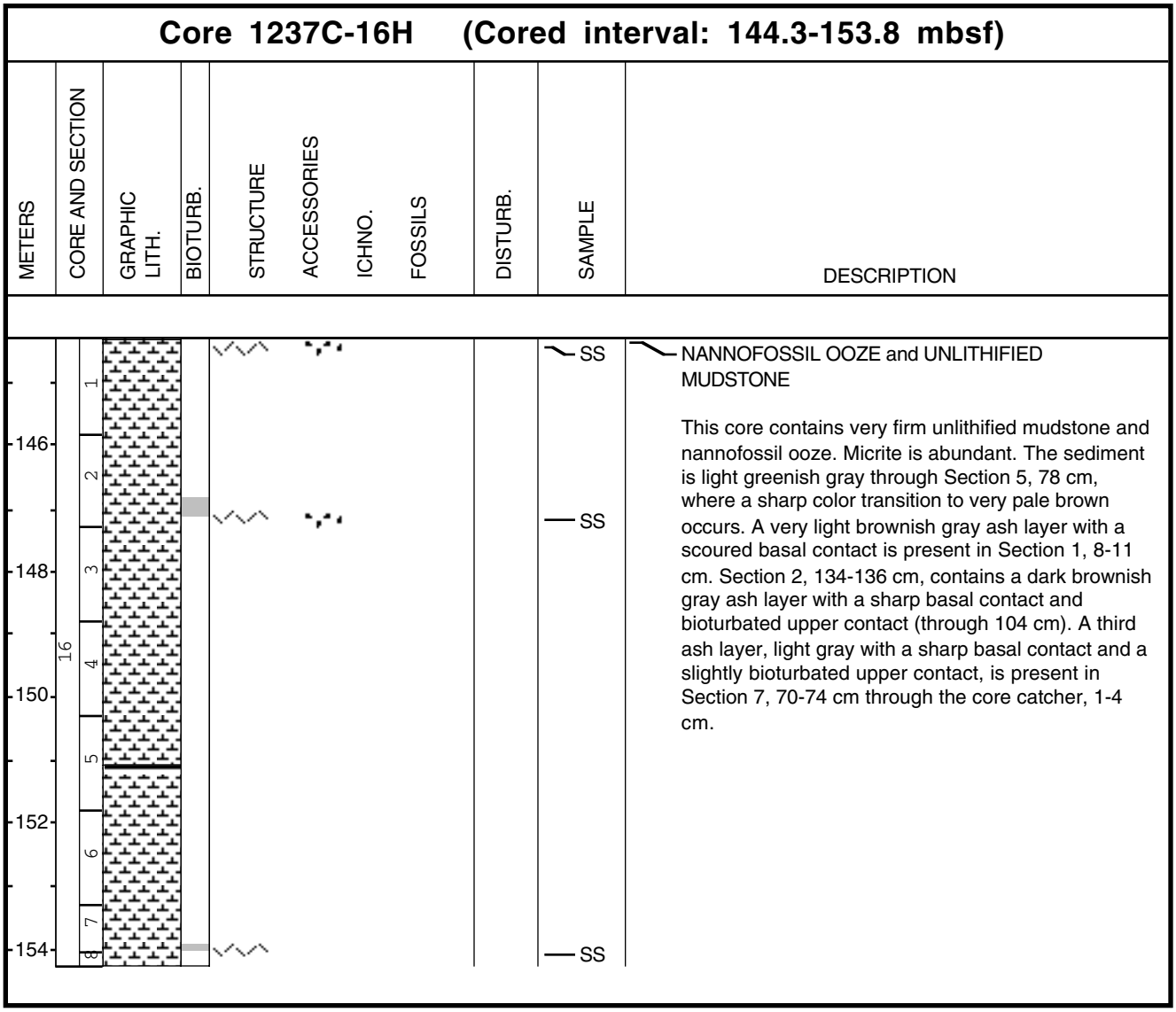
Core Photo


Core 1237C-14H (Cored interval: 125.3-134.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
126
128
130
132
134
14
1
2
3
4
5
6
7
8
Py
SS
NANNOFOSSIL OOZE
The sediment in this core is composed of white nannofossil ooze with faint green and purple-gray banding. Occasional brown mottles are present throughout the core. Three significant ash layers occur within this core in Section 2, at 59 cm, Section 4, 140 cm to Section 5, 15 cm, and Section 6, 97 cm, all with sharp basal contacts, grading upcore from dark to light gray. Section 5 is composed entirely of flow structures below the ash layer. A large ash patch is located near the base of this disturbed section.

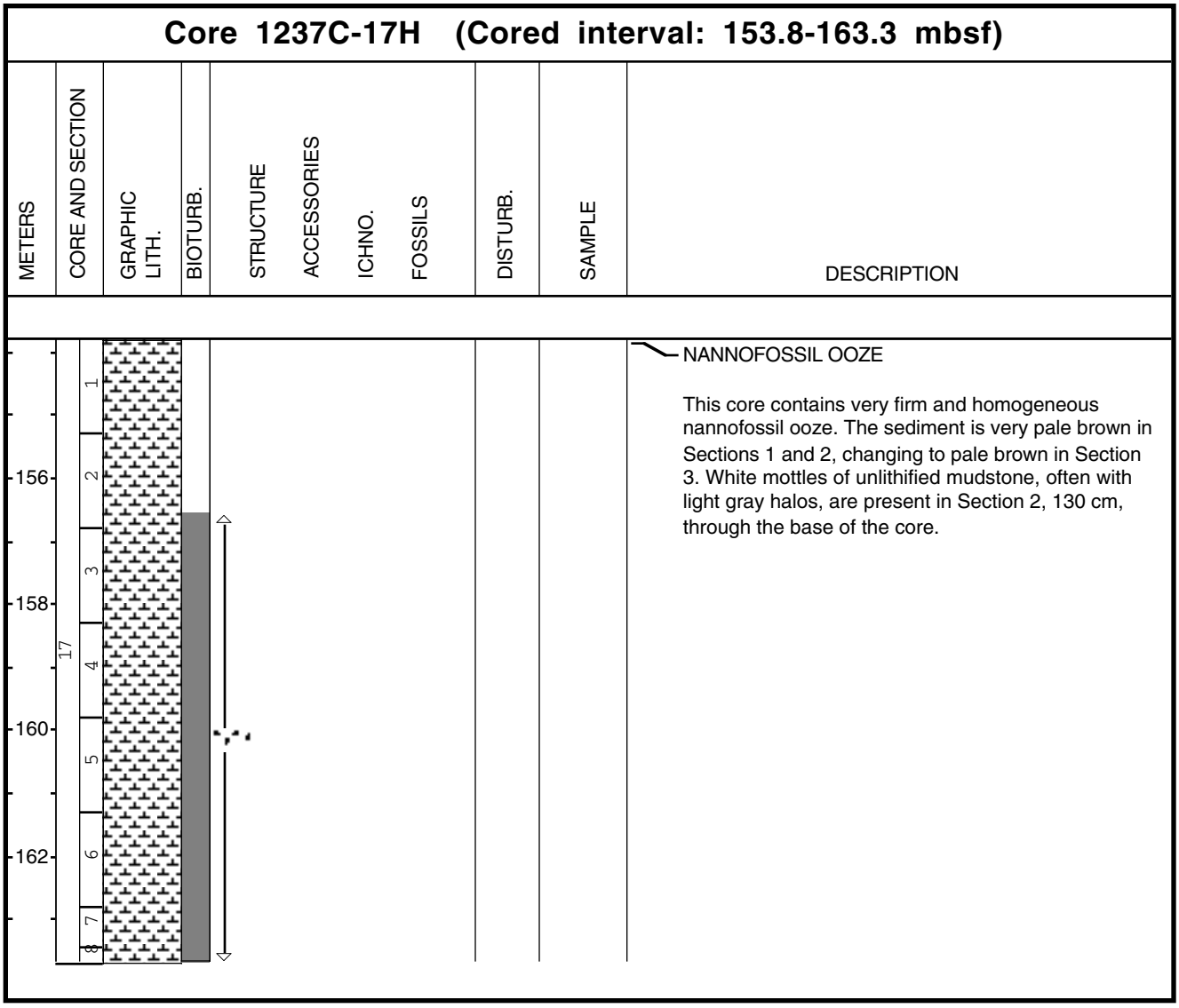
Core Photo


Core 1237C-15H (Cored interval: 134.8-144.3 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
SS
NANNOFOSSIL OOZE
This core contains white nannofossil ooze with faint green and purple-gray banding. Sporadic dark gray mottling, indicating slight bioturbation, occurs throughout the core. A dark gray ash layer with a sharp basal contact and diffuse upper contact is present in Section 2, 62-71 cm. A vertical burrow is present in Section 1, 113-120 cm. Fissures due to gas expansion occur in Sections 2-6.

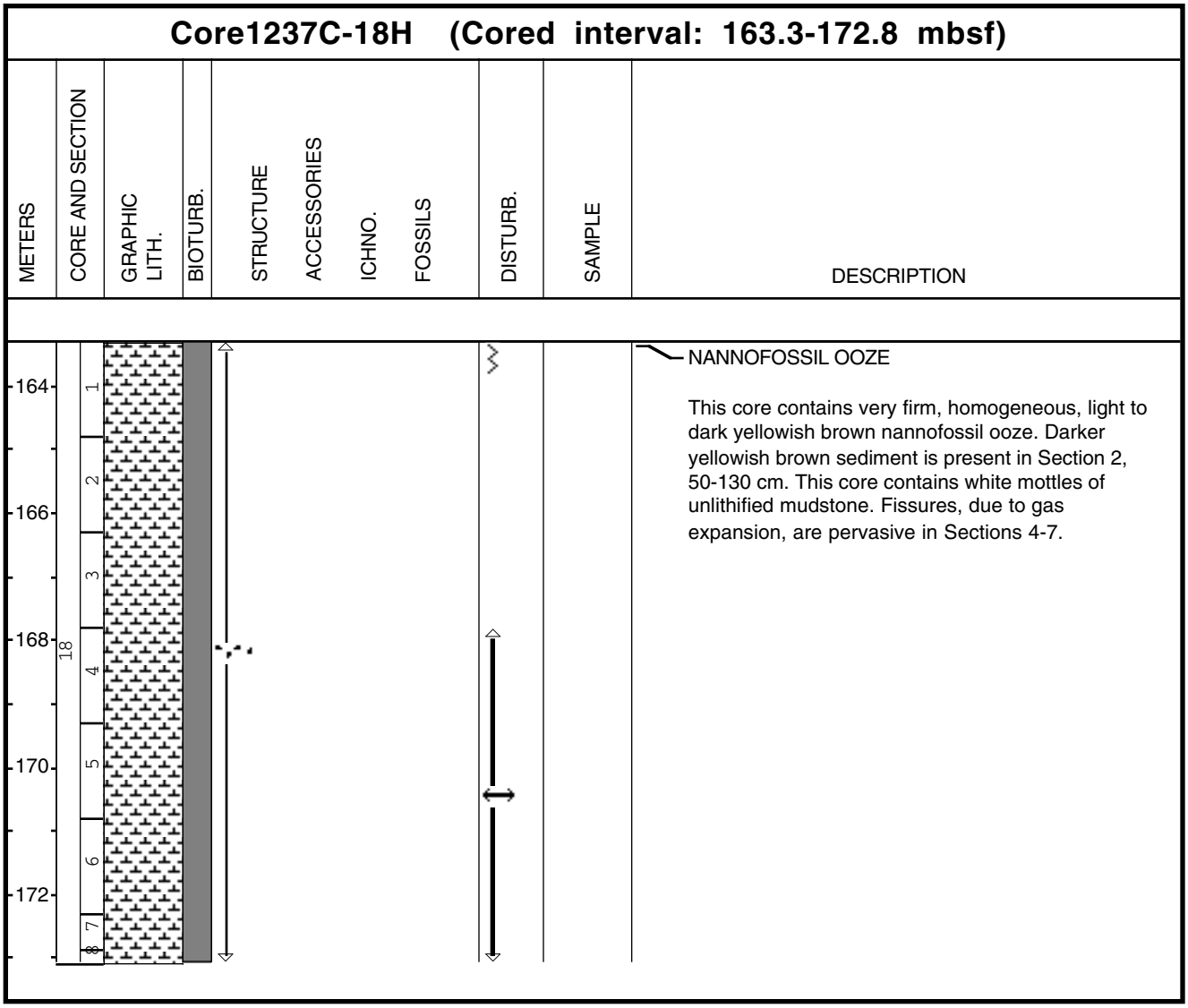
Core Photo


Core 1237C-16H (Cored interval: 144.3-153.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
146
148
150
152
154
16
1
2
3
4
5
6
7
CC
SS
SS
SS
NANNOFOSSIL OOZE and UNLITHIFIED MUDSTONE
This core contains very firm unlithified mudstone and nannofossil ooze. Micrite is abundant. The sediment is light greenish gray through Section 5, 78 cm, where a sharp color transition to very pale brown occurs. A very light brownish gray ash layer with a scoured basal contact is present in Section 1, 8-11 cm. Section 2, 134-136 cm, contains a dark brownish gray ash layer with a sharp basal contact and bioturbated upper contact (through 104 cm). A third ash layer, light gray with a sharp basal contact and a slightly bioturbated upper contact, is present in Section 7, 70-74 cm through the core catcher, 1-4 cm.

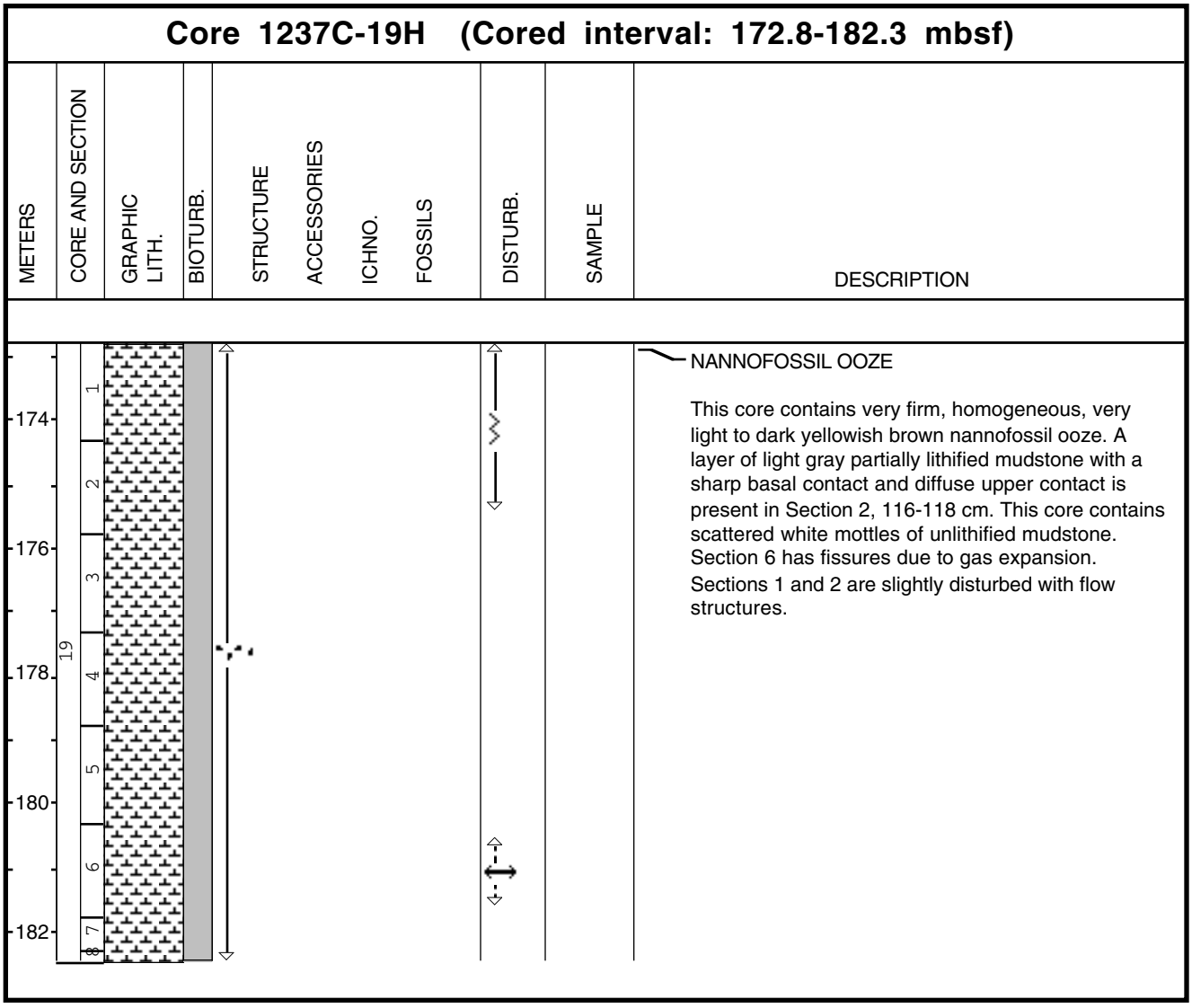
Core Photo


Core 1237C-17H (Cored interval: 153.8-163.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
156
158
160
162
17
1
2
3
4
5
6
7
NANNOFOSSIL OOZE
This core contains very firm and homogeneous nannofossil ooze. The sediment is very pale brown in Sections 1 and 2, changing to pale brown in Section 3. White mottles of unlithified mudstone, often with light gray halos, are present in Section 2, 130 cm, through the base of the core.

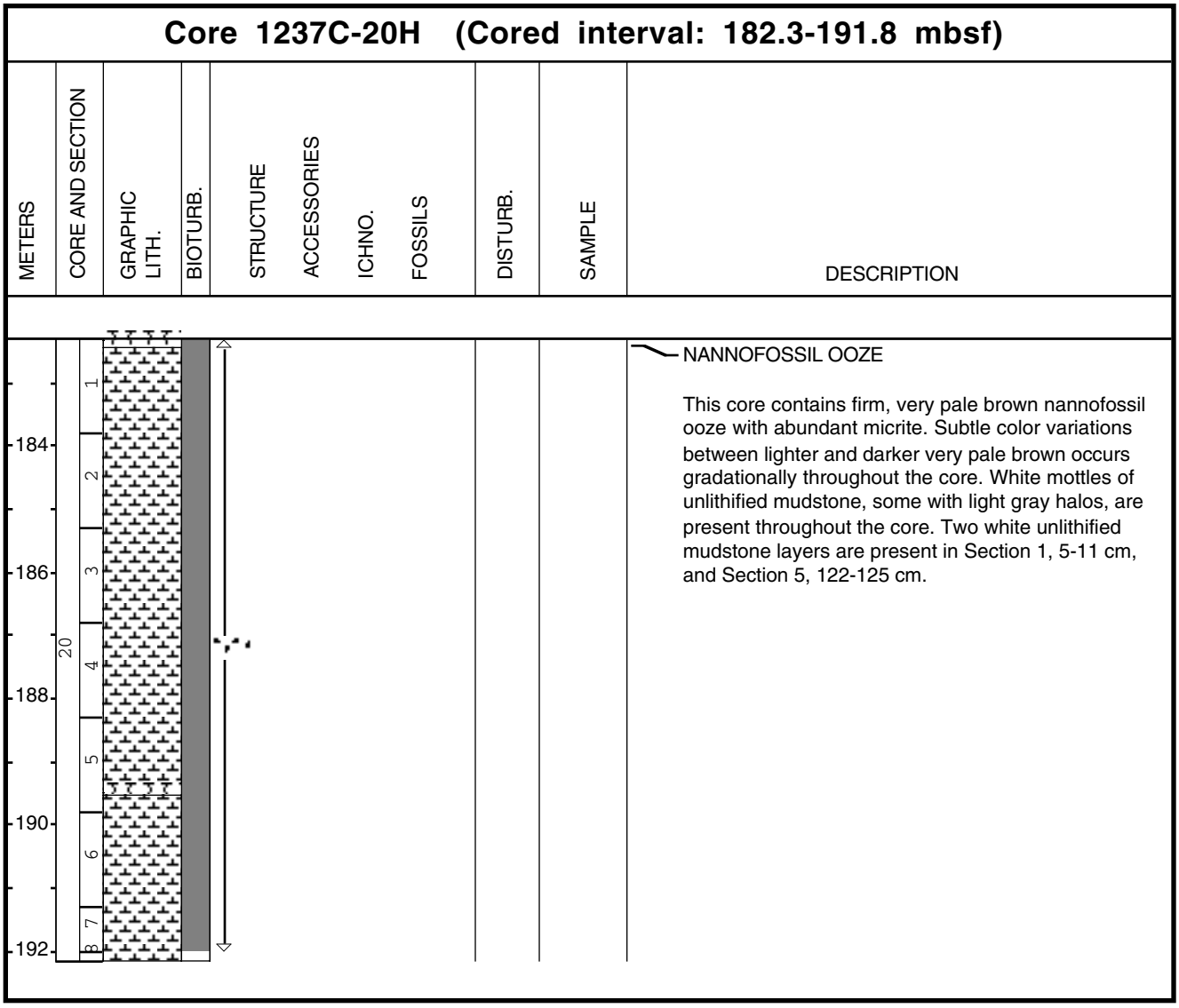
Core Photo


Core1237C-18H (Cored interval: 163.3-172.8 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
NANNOFOSSIL OOZE
This core contains very firm, homogeneous, light to dark yellowish brown nannofossil ooze. Darker yellowish brown sediment is present in Section 2, 50-130 cm. This core contains white mottles of unlithified mudstone. Fissures, due to gas expansion, are pervasive in Sections 4-7.

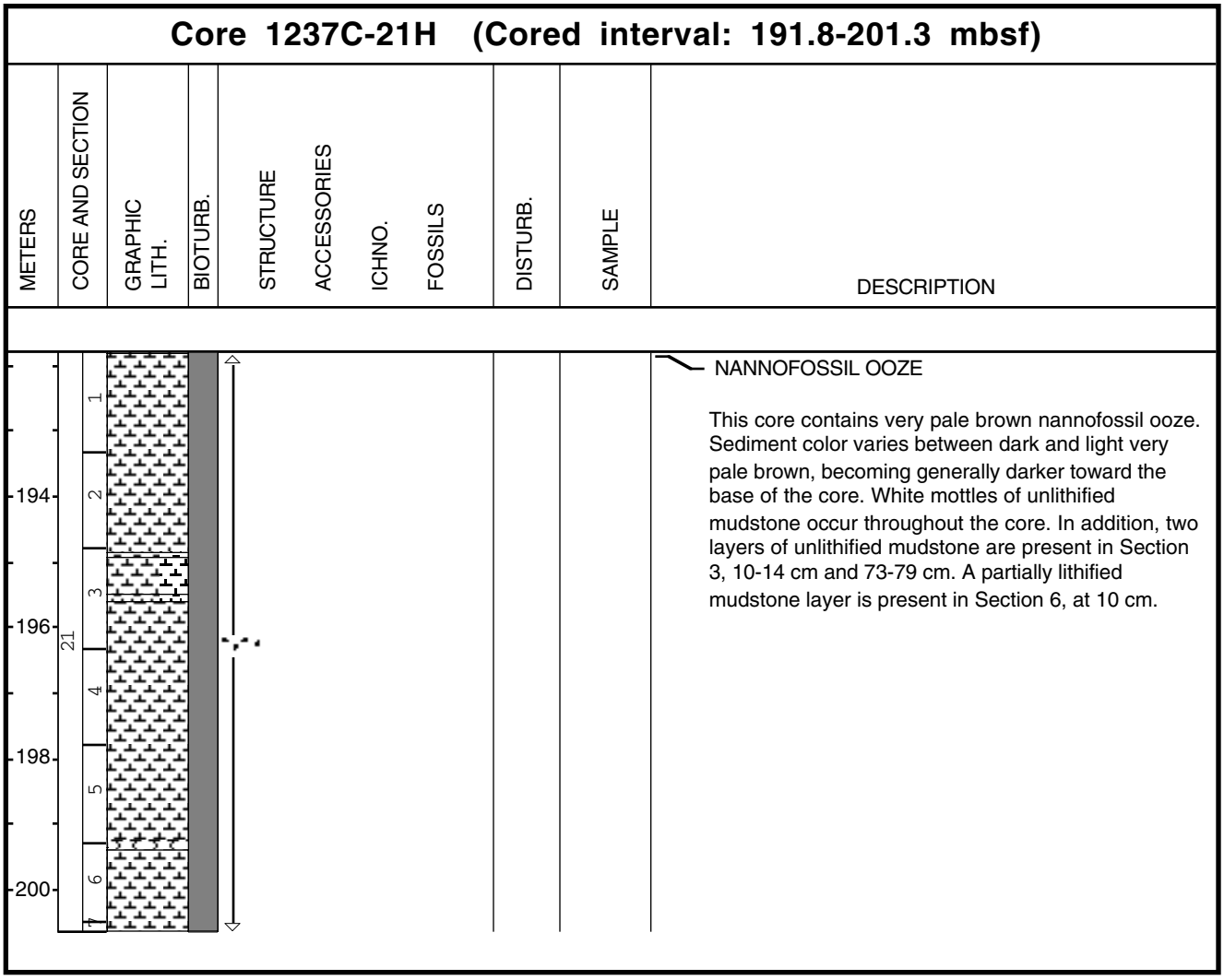
Core Photo


Core 1237C-19H (Cored interval: 172.8-182.3 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
NANNOFOSSIL OOZE
This core contains very firm, homogeneous, very light to dark yellowish brown nannofossil ooze. A layer of light gray partially lithified mudstone with a sharp basal contact and diffuse upper contact is present in Section 2, 116-118 cm. This core contains scattered white mottles of unlithified mudstone. Section 6 has fissures due to gas expansion. Sections 1 and 2 are slightly disturbed with flow structures.

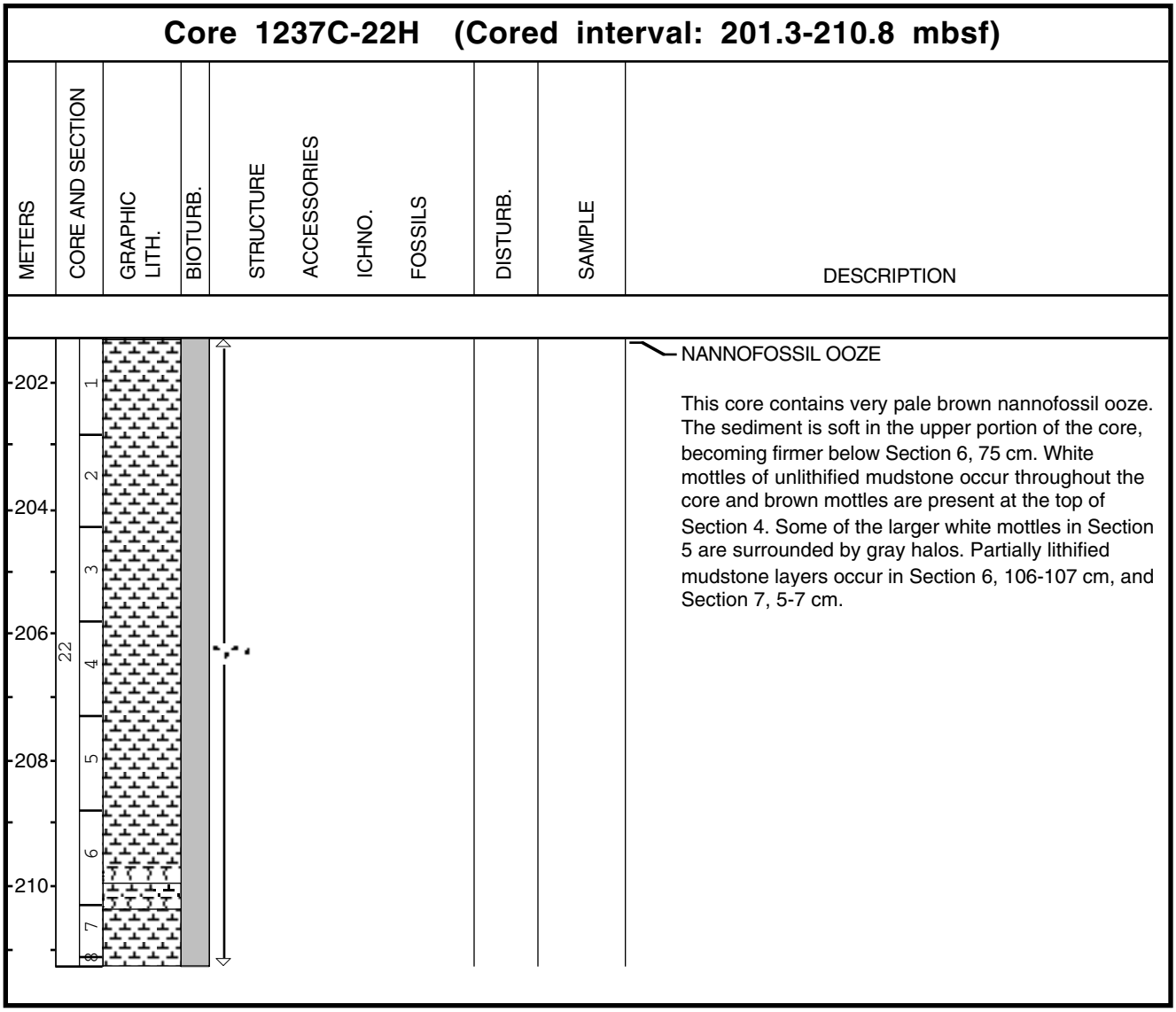
Core Photo


Core 1237C-20H (Cored interval: 182.3-191.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
184
186
188
190
192
20
1
2
3
4
5
6
7
CC
NANNOFOSSIL OOZE
This core contains firm, very pale brown nannofossil ooze with abundant micrite. Subtle color variations between lighter and darker very pale brown occurs gradationally throughout the core. White mottles of unlithified mudstone, some with light gray halos, are present throughout the core. Two white unlithified mudstone layers are present in Section 1, 5-11 cm, and Section 5, 122-125 cm.

Core Photo

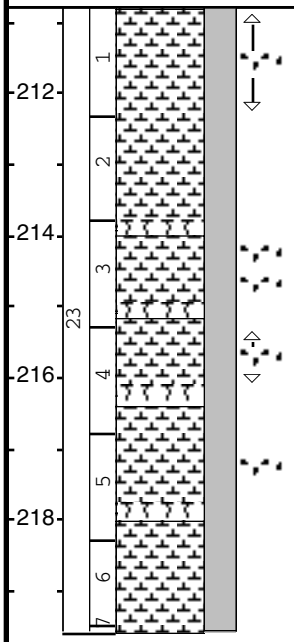

Core 1237C-21H (Cored interval: 191.8-201.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
194
196
198
200
21
1
2
3
4
5
6
NANNOFOSSIL OOZE
This core contains very pale brown nannofossil ooze. Sediment color varies between dark and light very pale brown, becoming generally darker toward the base of the core. White mottles of unlithified mudstone occur throughout the core. In addition, two layers of unlithified mudstone are present in Section 3, 10-14 cm and 73-79 cm. A partially lithified mudstone layer is present in Section 6, at 10 cm.

Core Photo


Core 1237C-22H (Cored interval: 201.3-210.8 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
NANNOFOSSIL OOZE
This core contains very pale brown nannofossil ooze. The sediment is soft in the upper portion of the core, becoming firmer below Section 6, 75 cm. White mottles of unlithified mudstone occur throughout the core and brown mottles are present at the top of Section 4. Some of the larger white mottles in Section 5 are surrounded by gray halos. Partially lithified mudstone layers occur in Section 6, 106-107 cm, and Section 7, 5-7 cm.

Core Photo

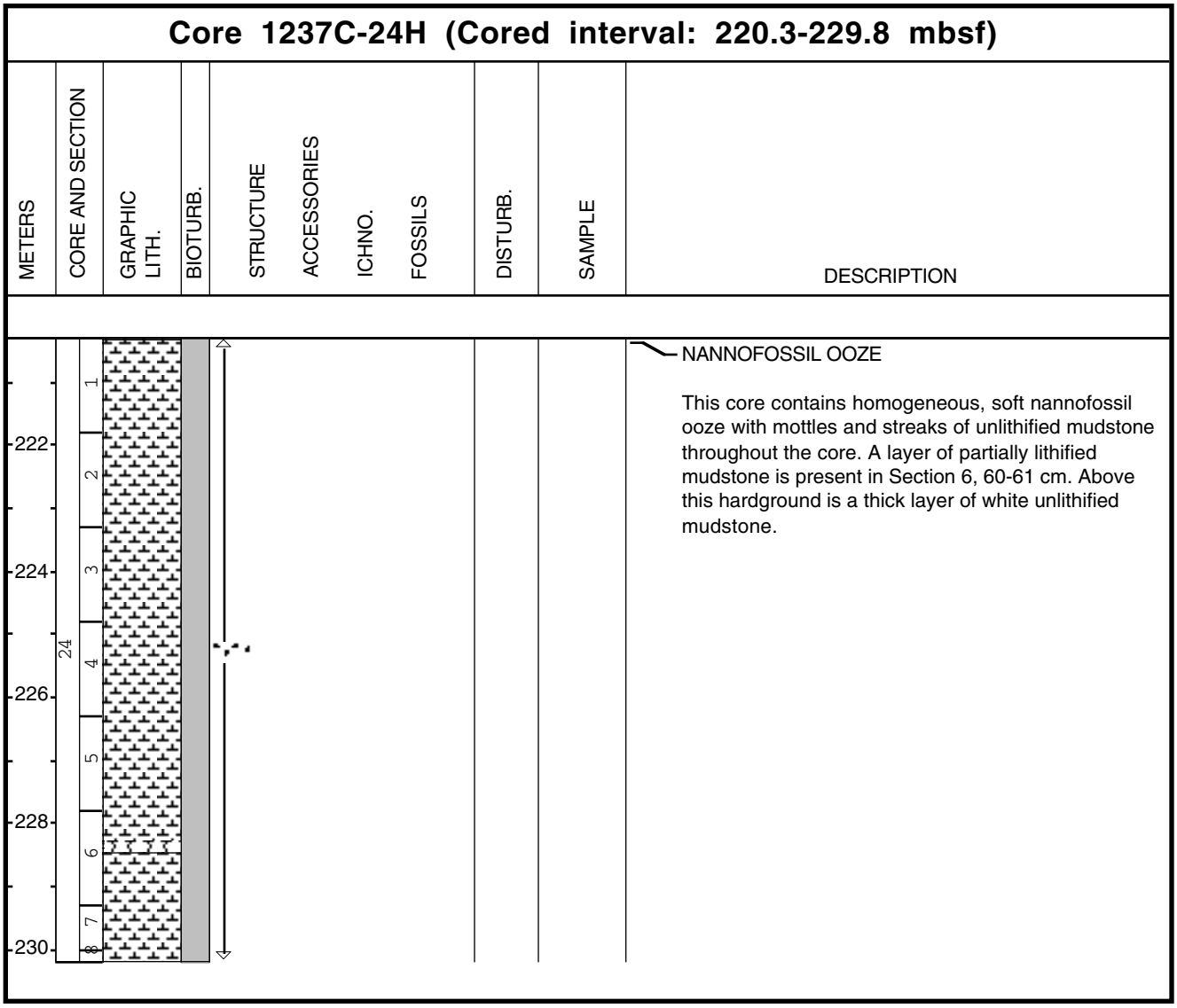
Core 1237C-23H (Cored interval: 210.8-220.3 mbsf)



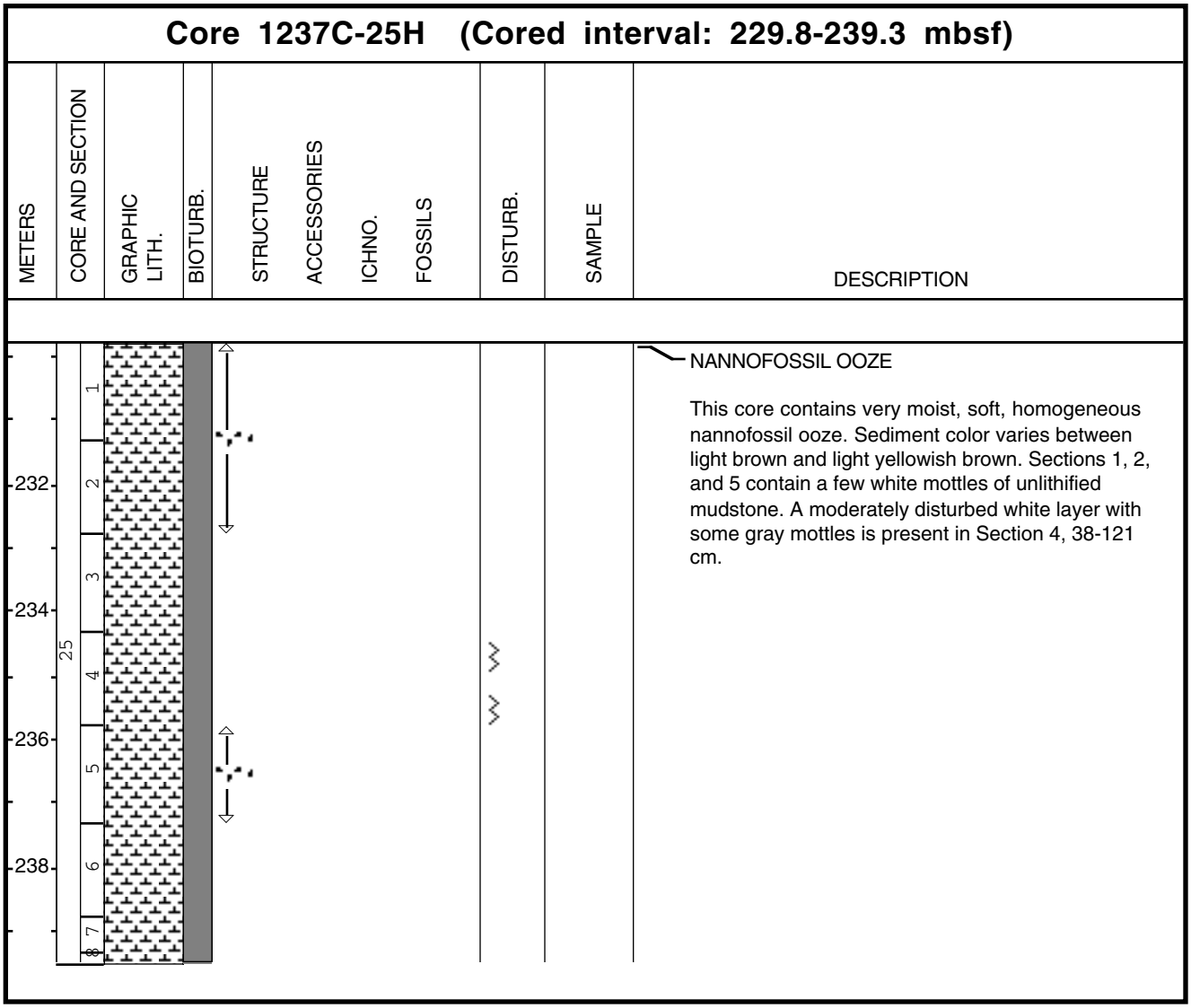
NANNOFOSSIL OOZE

The sediment in this core is composed of sticky, soft nannofossil ooze. Sediment color varies betwen light and darker very pale brown. White mottles of unlithified mudstone occur intermittently downcore. The darker sediment tends to contain more mottles than the lighter material. Some mottles are surrounded by gray halos. Four layers of partially lithified mudstone are present in Section 3, 15-20 cm and 120 cm, Section 4,105-106 cm, and Section 6, 116-121 cm.

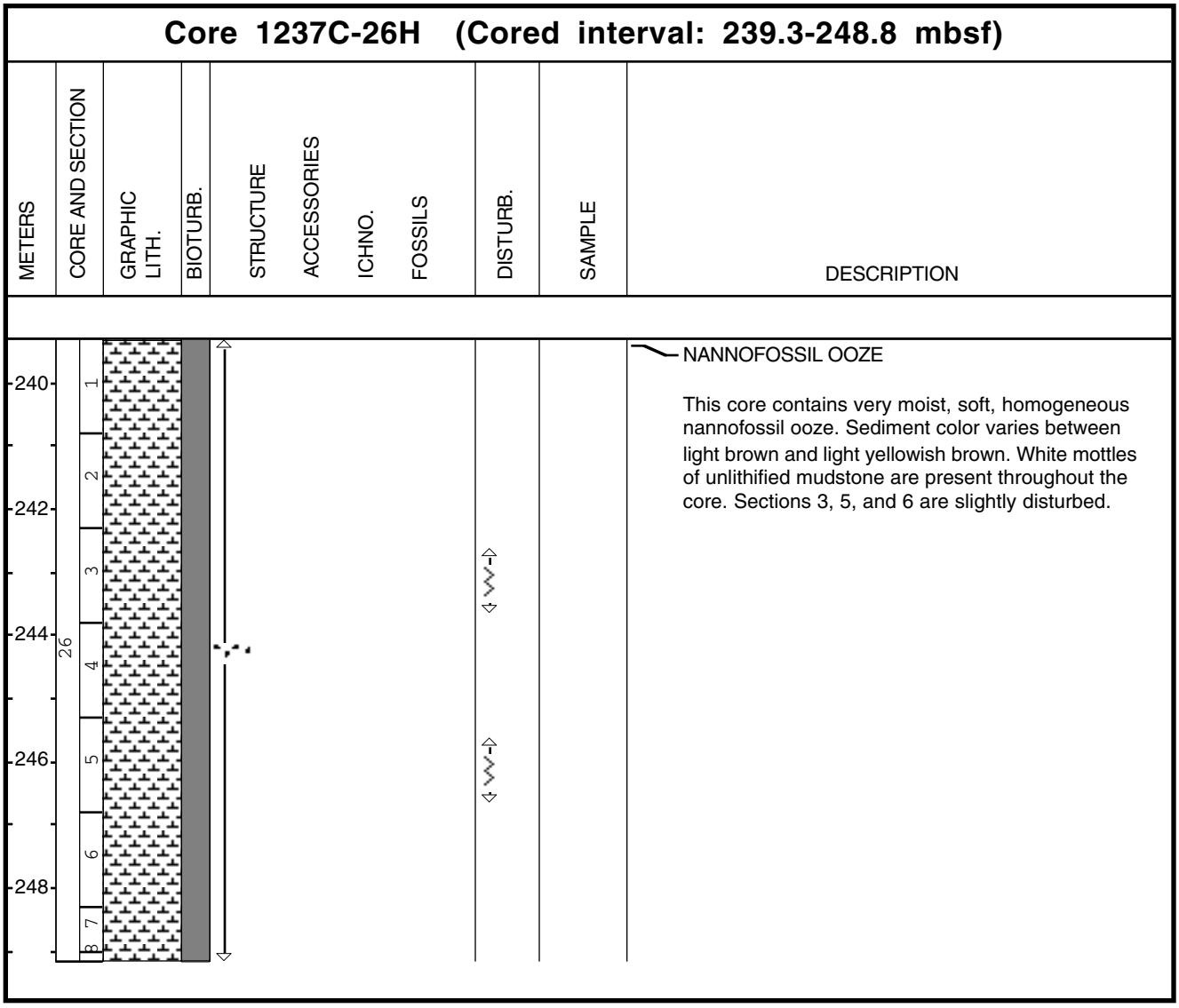
Core Photo


Core 1237C-24H (Cored interval: 220.3-229.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
222
224
226
228
230
24
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE
This core contains homogeneous, soft nannofossil ooze with mottles and streaks of unlithified mudstone throughout the core. A layer of partially lithified mudstone is present in Section 6, 60-61 cm. Above this hardground is a thick layer of white unlithified mudstone.

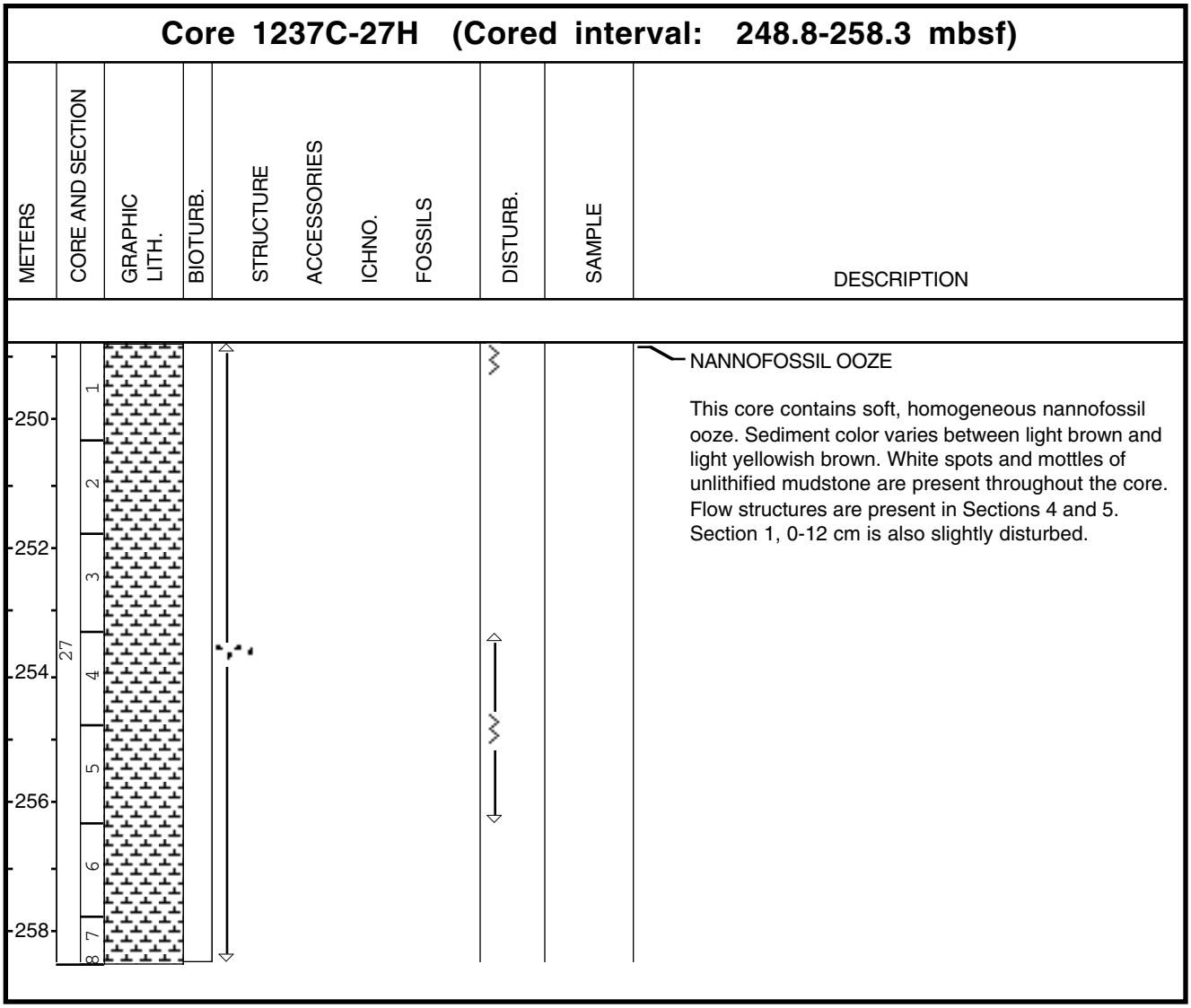
Core Photo


Core 1237C-25H (Cored interval: 229.8-239.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
232
234
236
238
25
1
2
3
4
5
6
7
NANNOFOSSIL OOZE
This core contains very moist, soft, homogeneous nannofossil ooze. Sediment color varies between light brown and light yellowish brown. Sections 1, 2, and 5 contain a few white mottles of unlithified mudstone. A moderately disturbed white layer with some gray mottles is present in Section 4, 38-121 cm.

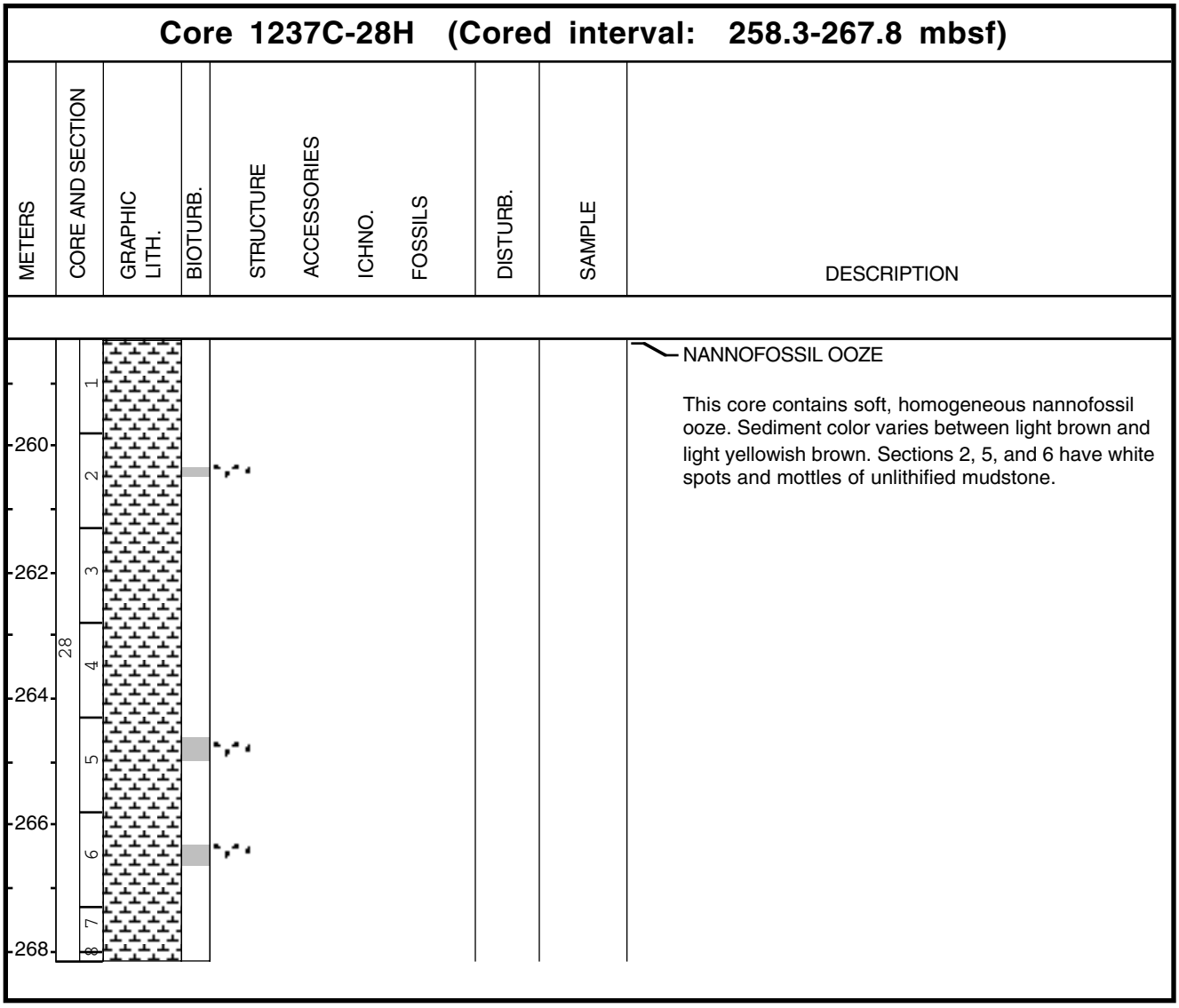
Core Photo


Core 1237C-26H (Cored interval: 239.3-248.8 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
CC
NANNOFOSSIL OOZE
This core contains very moist, soft, homogeneous nannofossil ooze. Sediment color varies between light brown and light yellowish brown. White mottles of unlithified mudstone are present throughout the core. Sections 3, 5, and 6 are slightly disturbed.

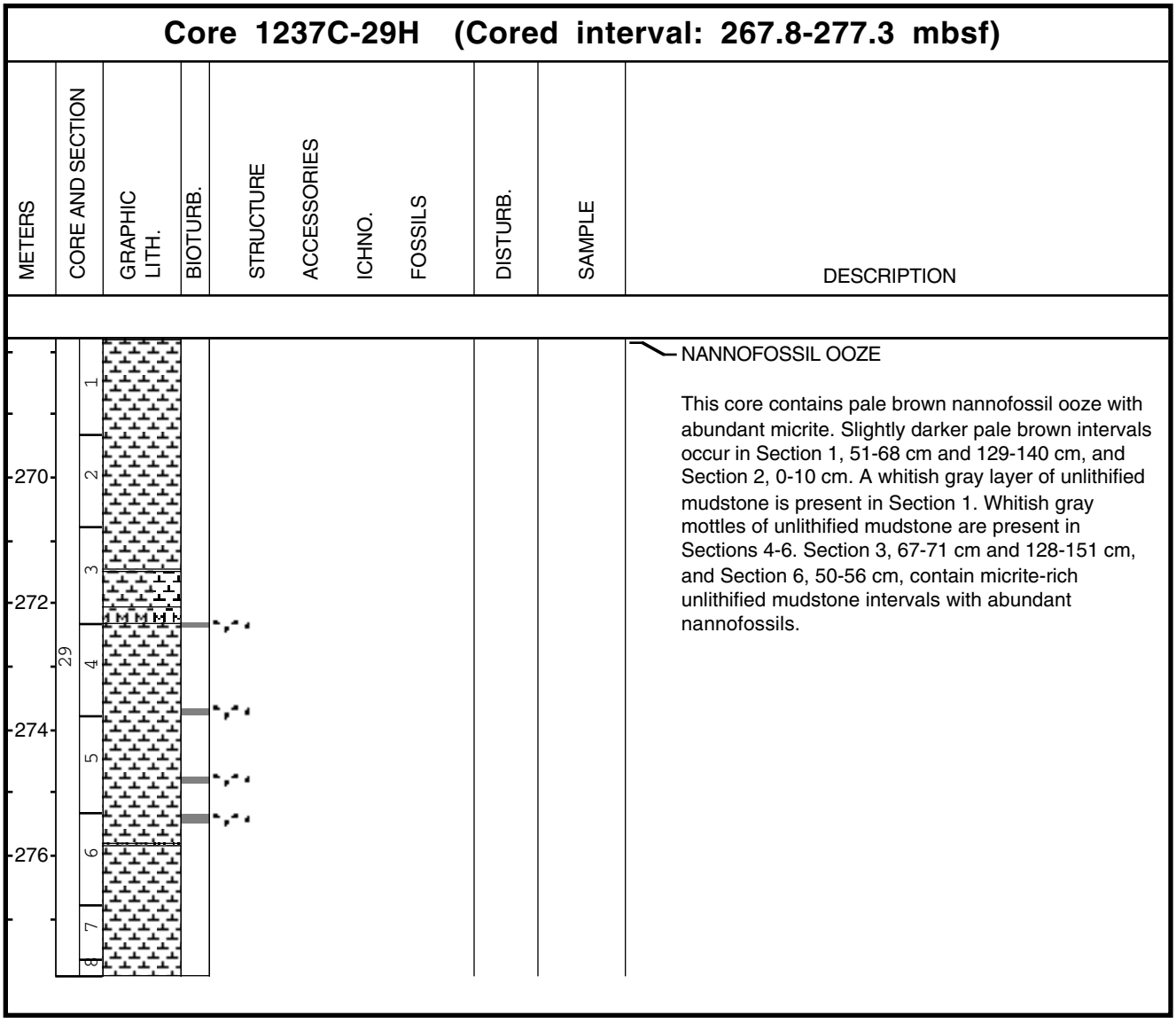
Core Photo


Core 1237C-27H (Cored interval: 248.8-258.3 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
NANNOFOSSIL OOZE
This core contains soft, homogeneous nannofossil ooze. Sediment color varies between light brown and light yellowish brown. White spots and mottles of unlithified mudstone are present throughout the core. Flow structures are present in Sections 4 and 5. Section 1, 0-12 cm is also slightly disturbed.

Core Photo

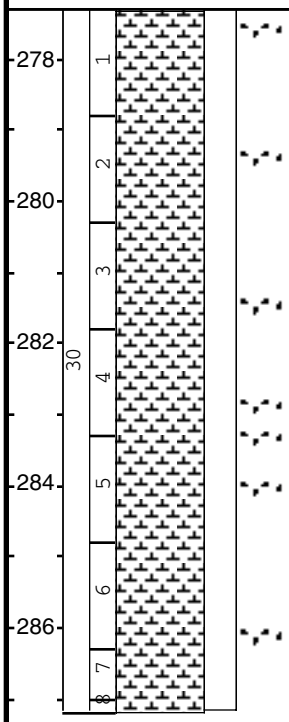

Core 1237C-28H (Cored interval: 258.3-267.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
260
262
264
266
268
28
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE
This core contains soft, homogeneous nannofossil ooze. Sediment color varies between light brown and light yellowish brown. Sections 2, 5, and 6 have white spots and mottles of unlithified mudstone.

Core Photo


Core 1237C-29H (Cored interval: 267.8-277.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
270
272
274
276
29
1
2
3
4
5
6
7
NANNOFOSSIL OOZE
This core contains pale brown nannofossil ooze with abundant micrite. Slightly darker pale brown intervals occur in Section 1, 51-68 cm and 129-140 cm, and Section 2, 0-10 cm. A whitish gray layer of unlithified mudstone is present in Section 1. Whitish gray mottles of unlithified mudstone are present in Sections 4-6. Section 3, 67-71 cm and 128-151 cm, and Section 6, 50-56 cm, contain micrite-rich unlithified mudstone intervals with abundant nannofossils.

Core Photo

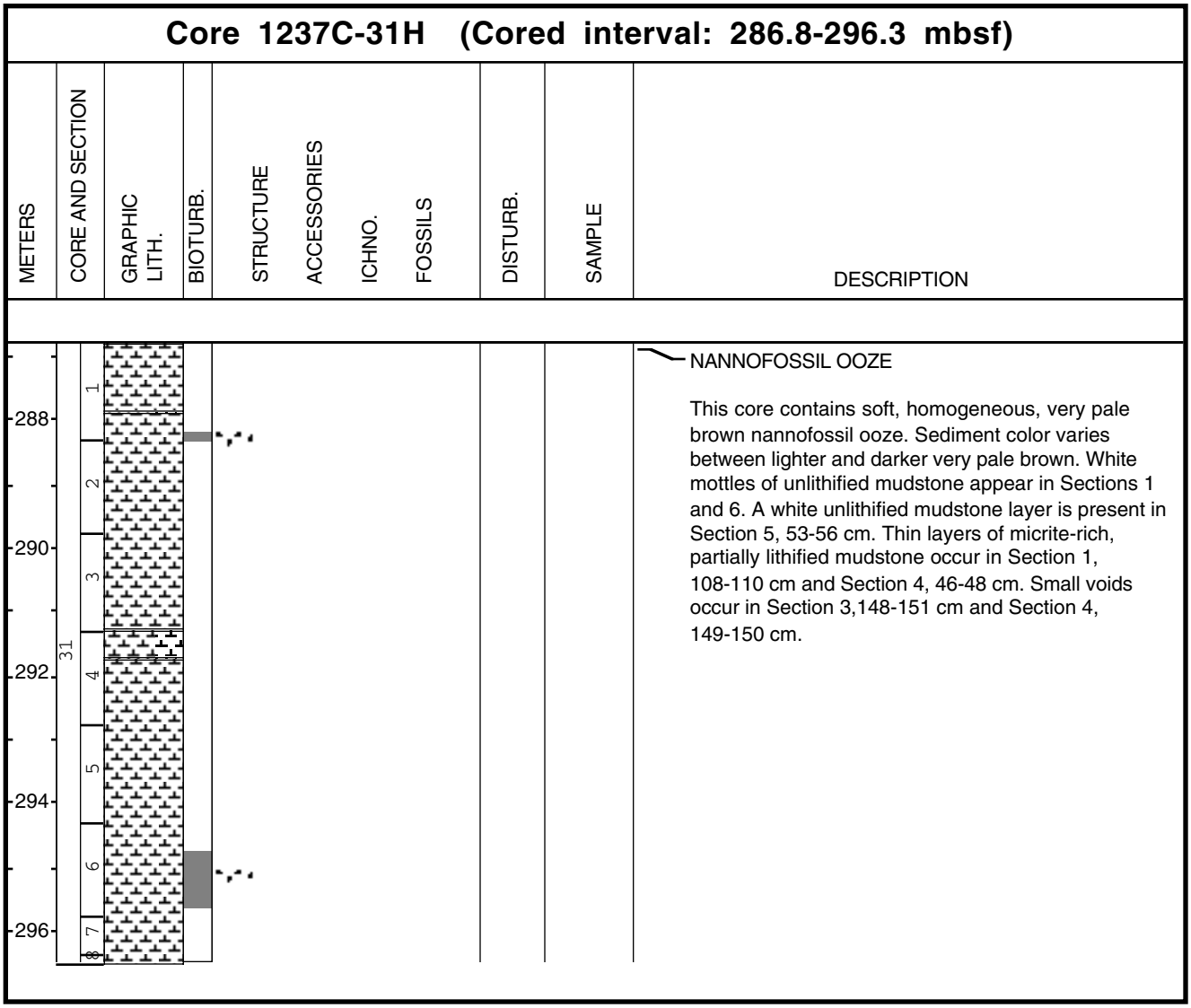
Core 1237C-30H (Cored interval: 277.3-286.8 mbsf)



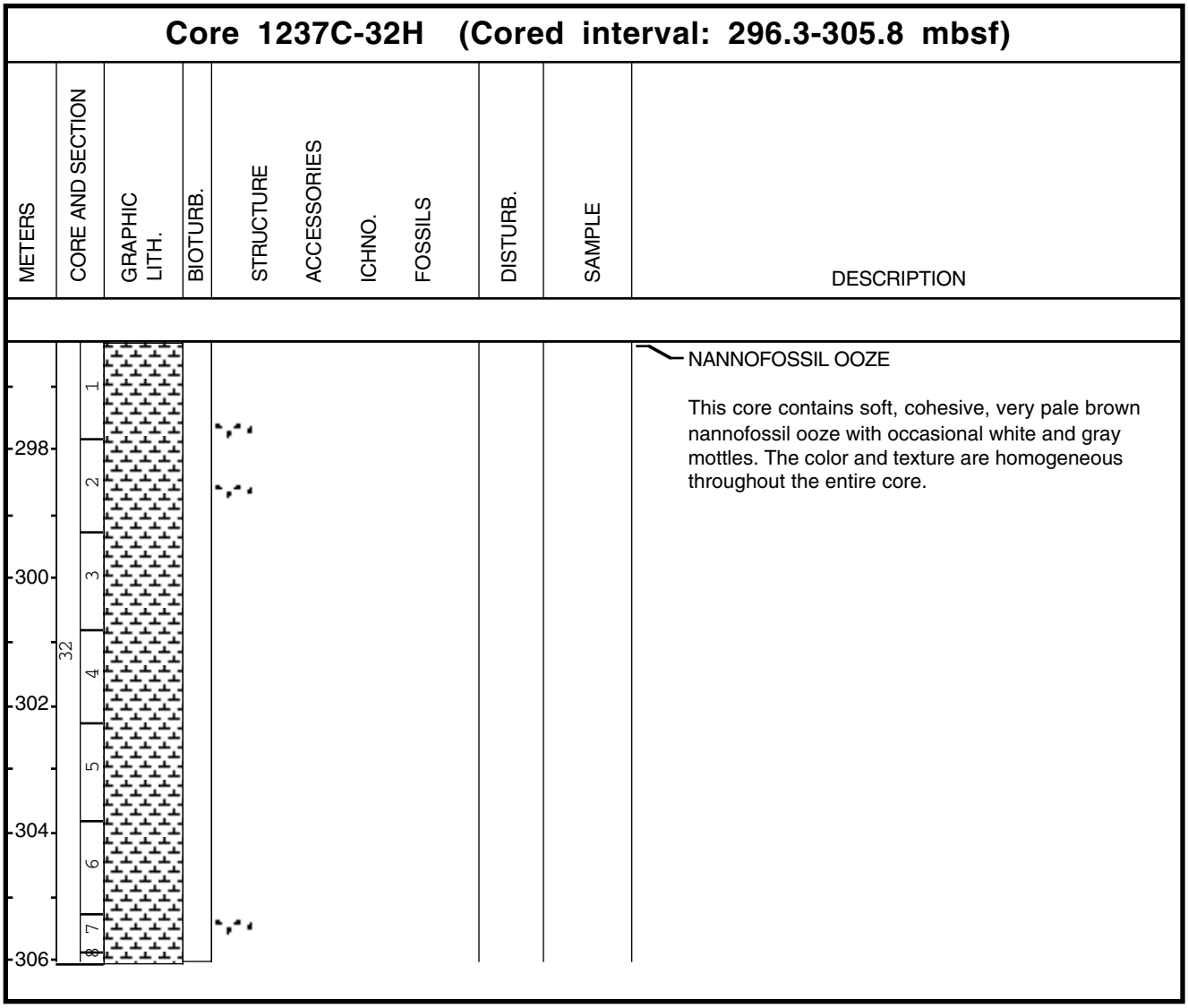
NANNOFOSSIL OOZE

This core contains very pale brown nannofossil ooze with scattered white patches. The white sediment, composed of unlithified mudstone, is irregular in shape and extends several centimeters across and down the core. The patches are partially surrounded by or contain a thinner patch of dark gray sediment. These layers occur in Section 1, 7-8 cm, 9-10 cm, 11-12 cm, 13-14 cm, 29-32 cm, Section 2, 60-63 cm, Section 3, 114-117 cm, Section 4, 106-107 cm, Section 5, 1-4 cm and 70-73 cm, and Section 6, 139-140 cm. Subtle mottling occurs throughout the core, more pronounced above and below the white layers.

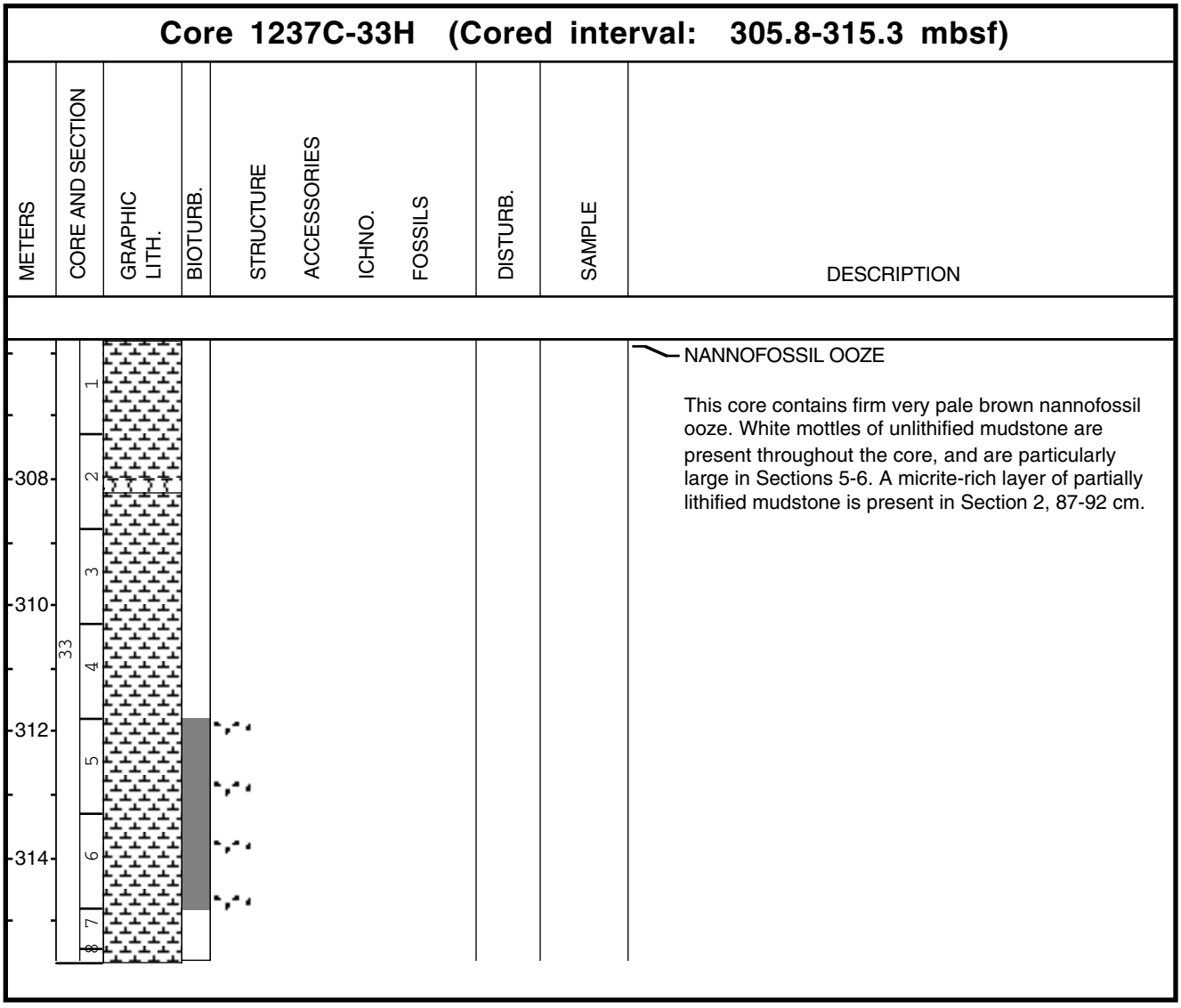
Core Photo


Core 1237C-31H (Cored interval: 286.8-296.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
288
290
292
294
296
31
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE
This core contains soft, homogeneous, very pale brown nannofossil ooze. Sediment color varies between lighter and darker very pale brown. White mottles of unlithified mudstone appear in Sections 1 and 6. A white unlithified mudstone layer is present in Section 5, 53-56 cm. Thin layers of micrite-rich, partially lithified mudstone occur in Section 1, 108-110 cm and Section 4, 46-48 cm. Small voids occur in Section 3,148-151 cm and Section 4, 149-150 cm.

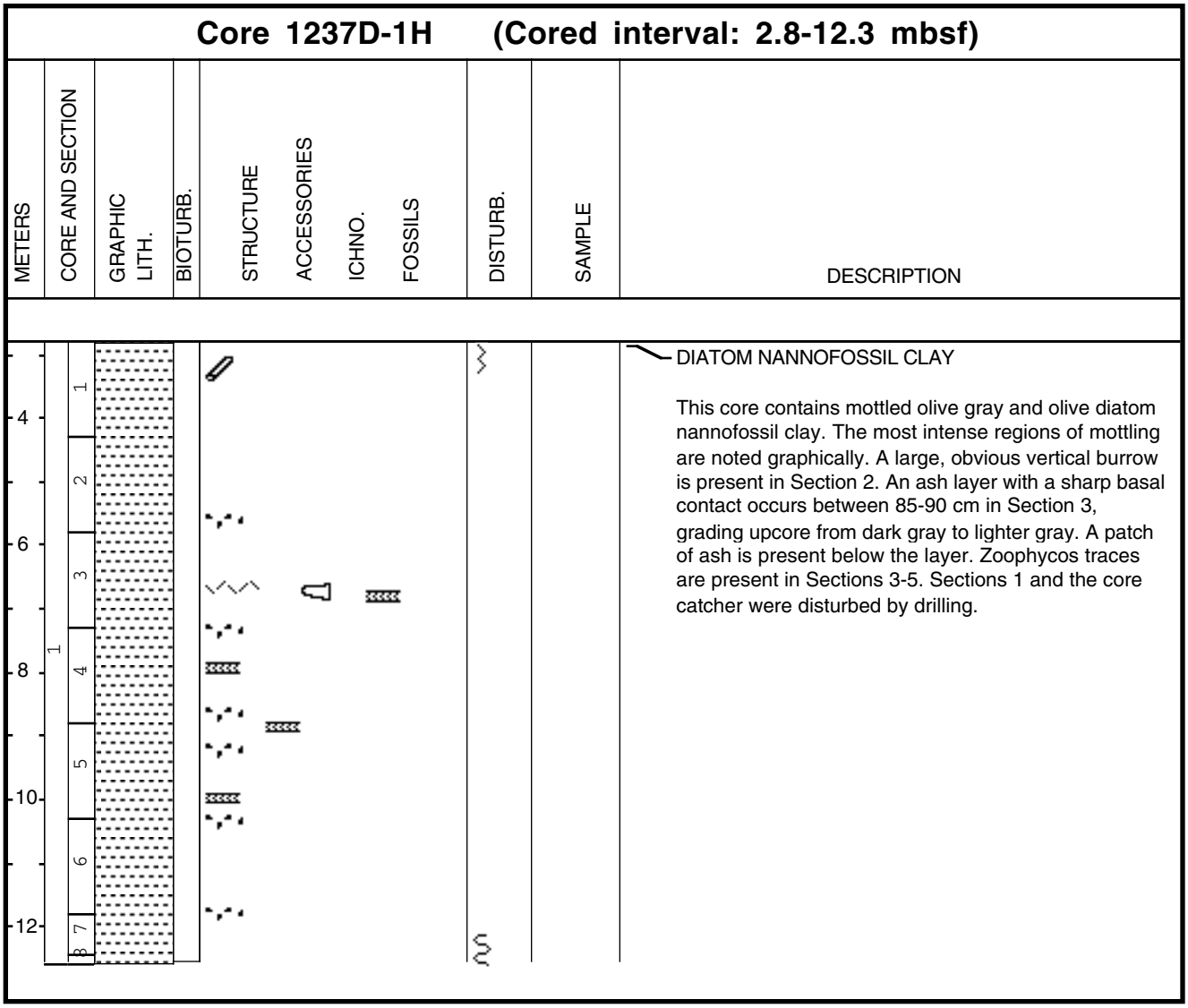
Core Photo


Core 1237C-32H (Cored interval: 296.3-305.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
298
300
302
304
306
32
1
2
3
4
5
6
7
NANNOFOSSIL OOZE
This core contains soft, cohesive, very pale brown nannofossil ooze with occasional white and gray mottles. The color and texture are homogeneous throughout the entire core.

Core Photo

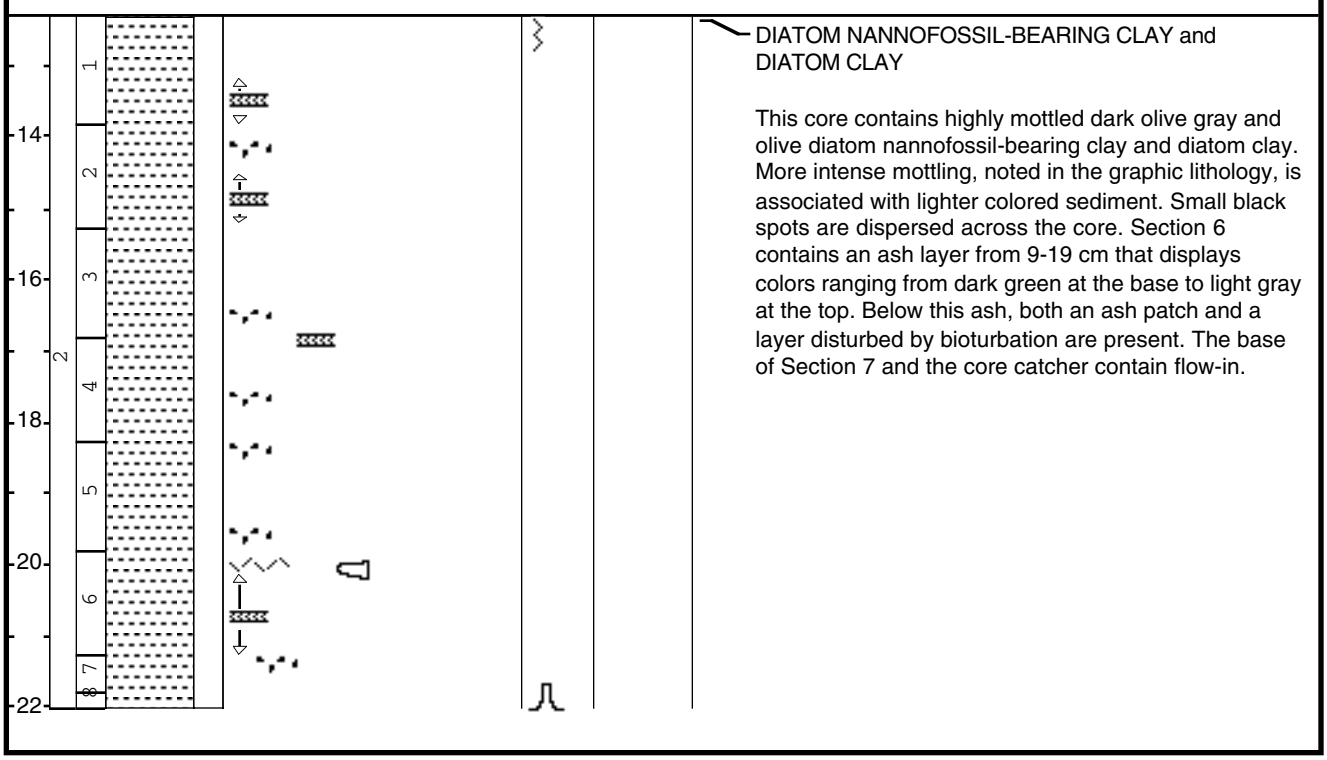

Core 1237C-33H (Cored interval: 305.8-315.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
308
310
312
314
33
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE
This core contains firm very pale brown nannofossil ooze. White mottles of unlithified mudstone are present throughout the core, and are particularly large in Sections 5-6. A micrite-rich layer of partially lithified mudstone is present in Section 2, 87-92 cm.

Core Photo

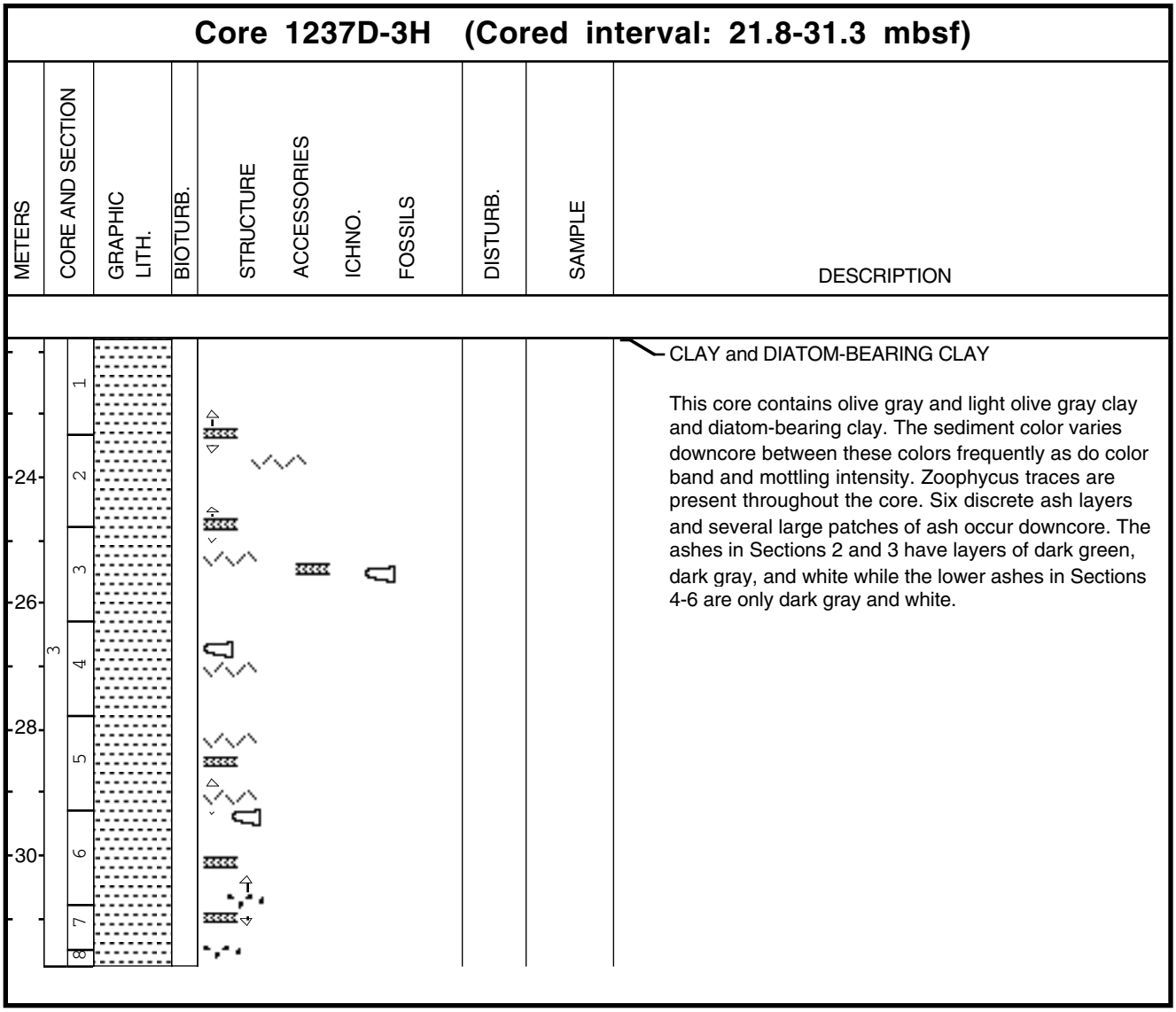

Core 1237D-1H (Cored interval: 2.8-12.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
4
6
8
10
12
1
1
2
3
4
5
6
7
CC
DIATOM NANNOFOSSIL CLAY
This core contains mottled olive gray and olive diatom nannofossil clay. The most intense regions of mottling are noted graphically. A large, obvious vertical burrow is present in Section 2. An ash layer with a sharp basal contact occurs between 85-90 cm in Section 3, grading upcore from dark gray to lighter gray. A patch of ash is present below the layer. Zoophycos traces are present in Sections 3-5. Sections 1 and the core catcher were disturbed by drilling.

Core Photo

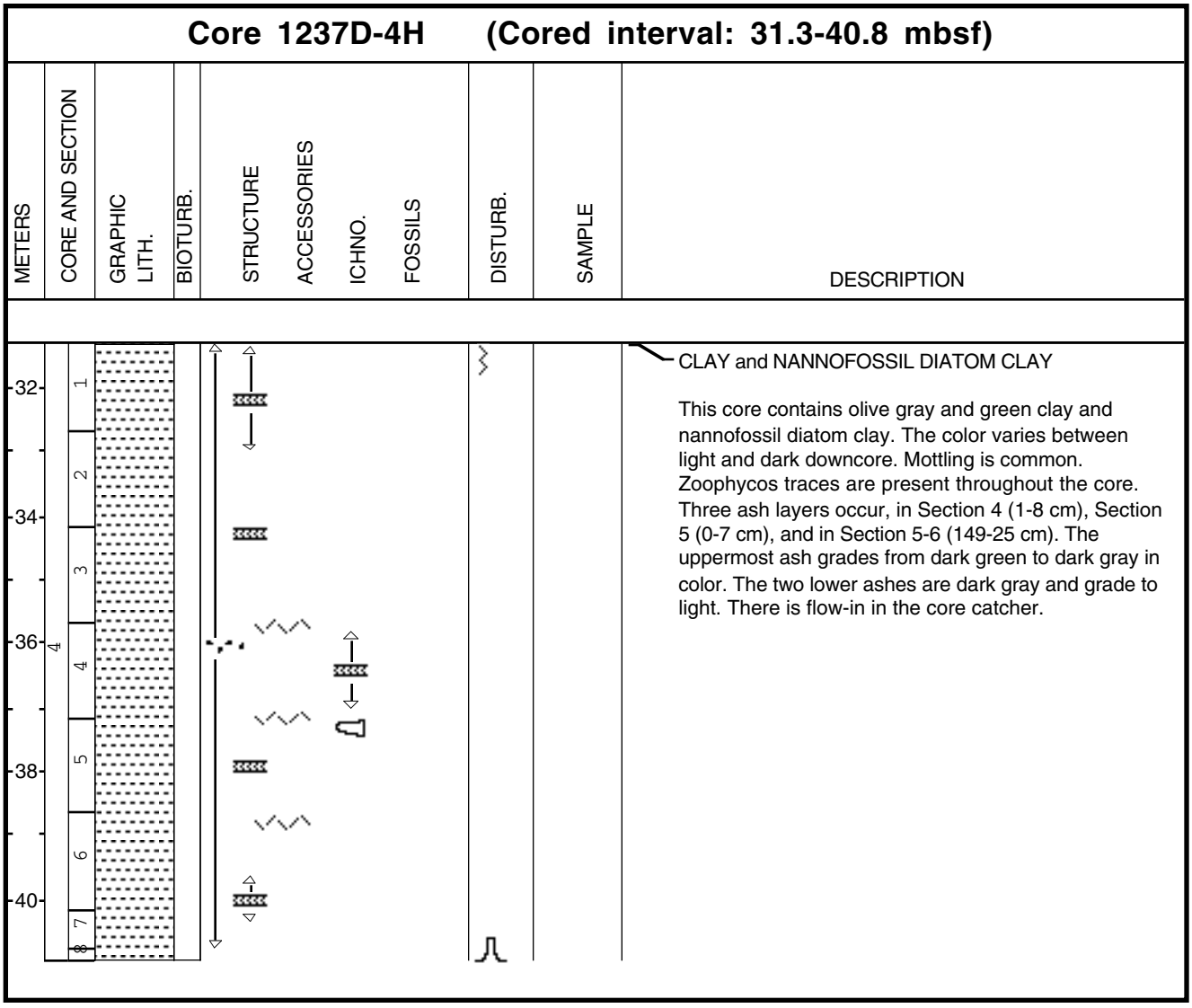
Core 1237D-2H (Cored interval: 12.3-21.8 mbsf)



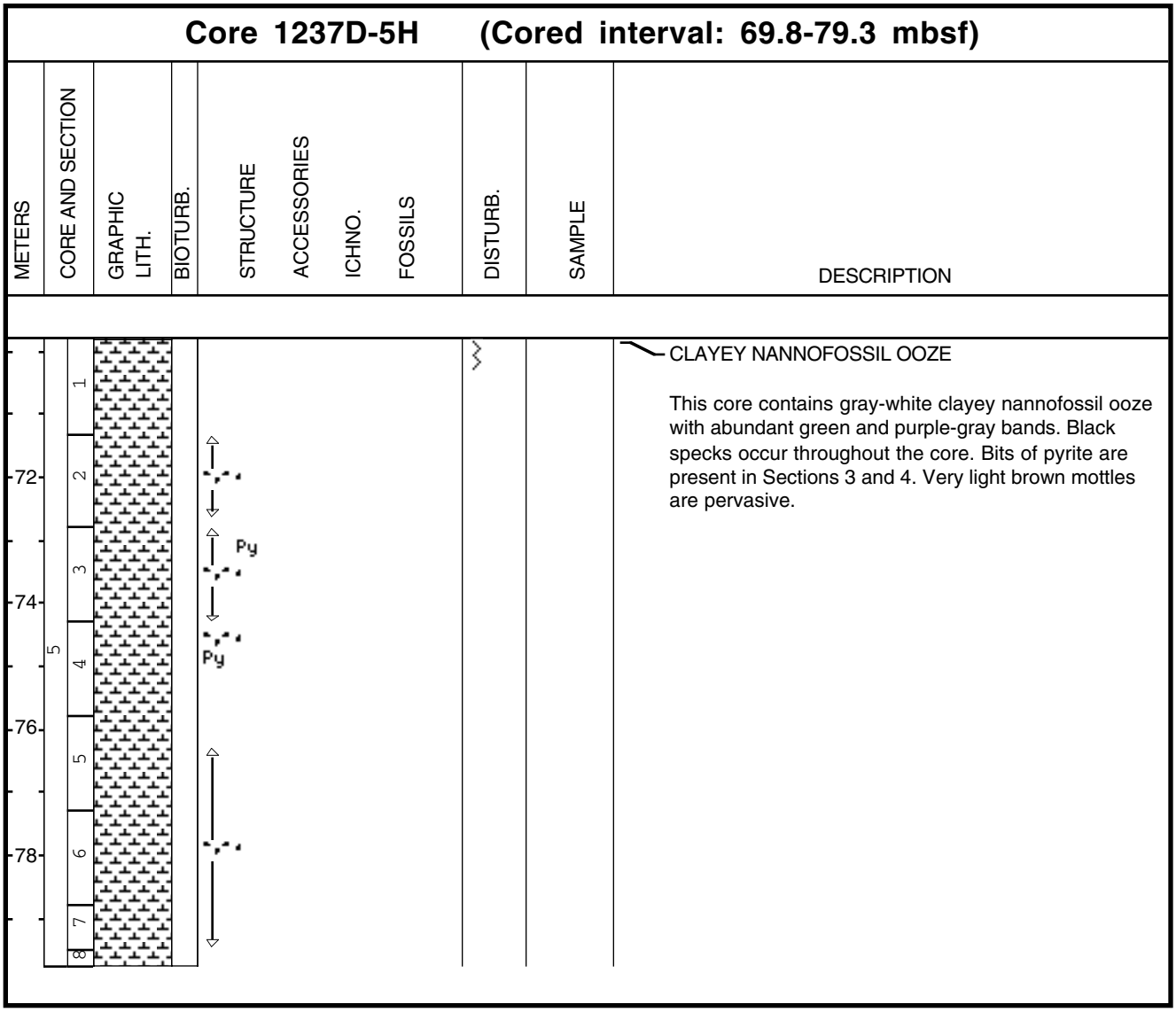
Core Photo


Core 1237D-3H (Cored interval: 21.8-31.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
24
26
28
30
3
1
2
3
4
5
6
7
8
CLAY and DIATOM-BEARING CLAY
This core contains olive gray and light olive gray clay and diatom-bearing clay. The sediment color varies downcore between these colors frequently as do color band and mottling intensity. Zoophycus traces are present throughout the core. Six discrete ash layers and several large patches of ash occur downcore. The ashes in Sections 2 and 3 have layers of dark green, dark gray, and white while the lower ashes in Sections 4-6 are only dark gray and white.

Core Photo


Core 1237D-4H (Cored interval: 31.3-40.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
32
34
36
38
40
4
1
2
3
4
5
6
7
CLAY and NANNOFOSSIL DIATOM CLAY
This core contains olive gray and green clay and nannofossil diatom clay. The color varies between light and dark downcore. Mottling is common. Zoophycos traces are present throughout the core. Three ash layers occur, in Section 4 (1-8 cm), Section 5 (0-7 cm), and in Section 5-6 (149-25 cm). The uppermost ash grades from dark green to dark gray in color. The two lower ashes are dark gray and grade to light. There is flow-in in the core catcher.

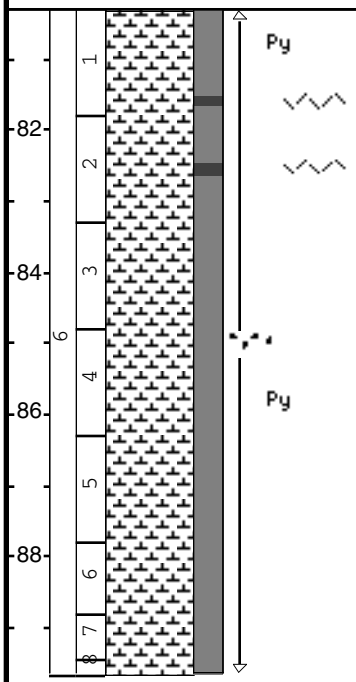
Core Photo


Core 1237D-5H (Cored interval: 69.8-79.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
72
74
76
78
5
1
2
3
4
5
6
7
8
Py
Py
CLAYEY NANNOFOSSIL OOZE
This core contains gray-white clayey nannofossil ooze with abundant green and purple-gray bands. Black specks occur throughout the core. Bits of pyrite are present in Sections 3 and 4. Very light brown mottles are pervasive.

Core Photo

Core 1237D-6H (Cored interval: 80.3-89.8 mbsf)

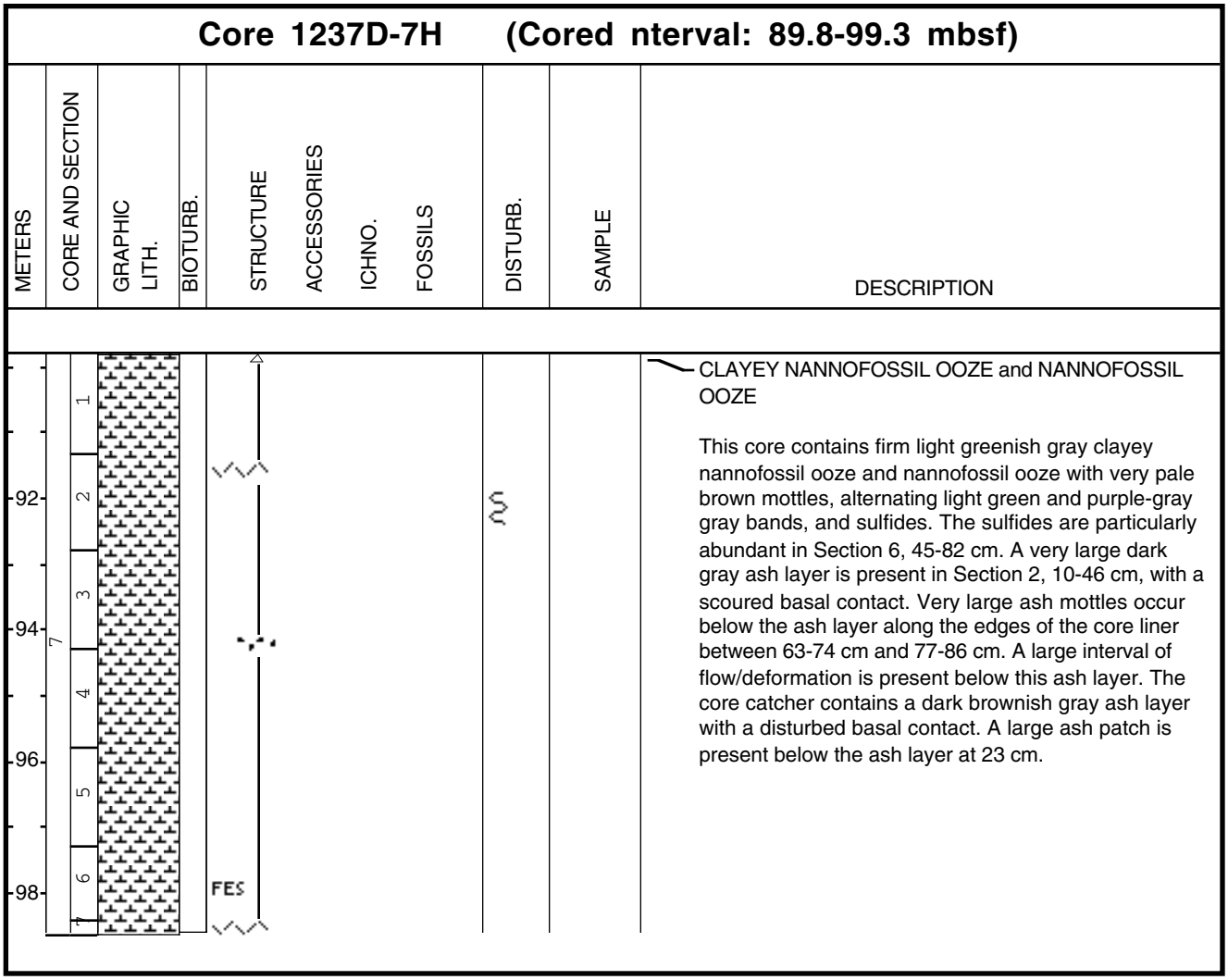
METERS	CORE AND SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION



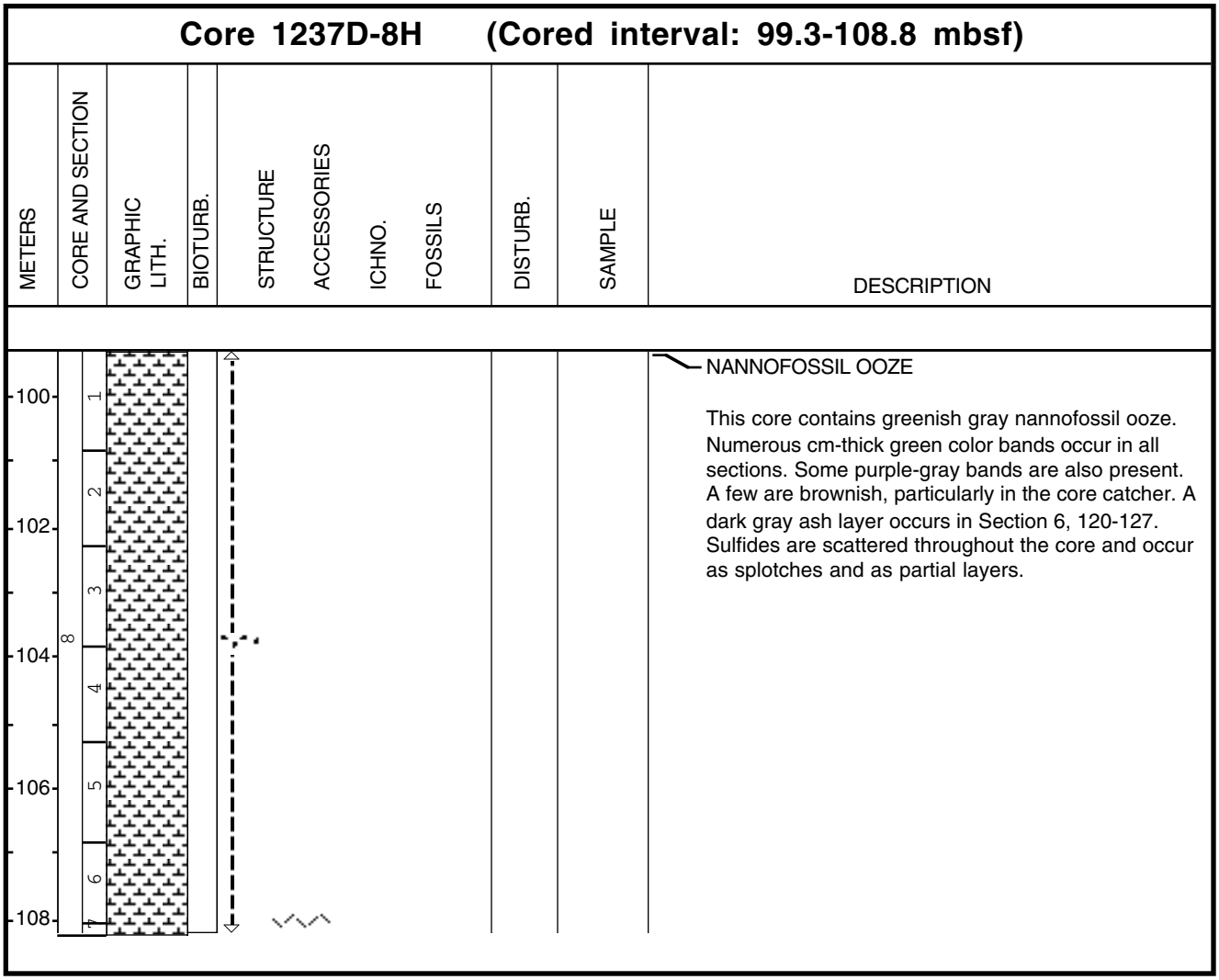
CLAYEY NANNOFOSSIL OOZE

This core contains firm light grayish green clayey nannofossil ooze with very pale brown mottles, alternating light green and purplish gray laminae, and some sulfides. Some of the mottles are surrounded by medium gray halos. Section 1, 46-53 cm, contains a very fine-grained, light gray layer rich in nannofossils with pyrite flecks at the upper boundary and trace amounts of volcanic glass. A dark brownish gray ash layer with an intensely bioturbated upper contact is present in Section 1, 127-133 cm, with ash patches through 138 cm. A diffuse layer of heavily bioturbated ash occurs in Section 2, ~70-80 cm, with pyrite contained in the upper boundary and ash mottles below the layer. Section 4 contains a patch of pyrite at 98-99 cm.

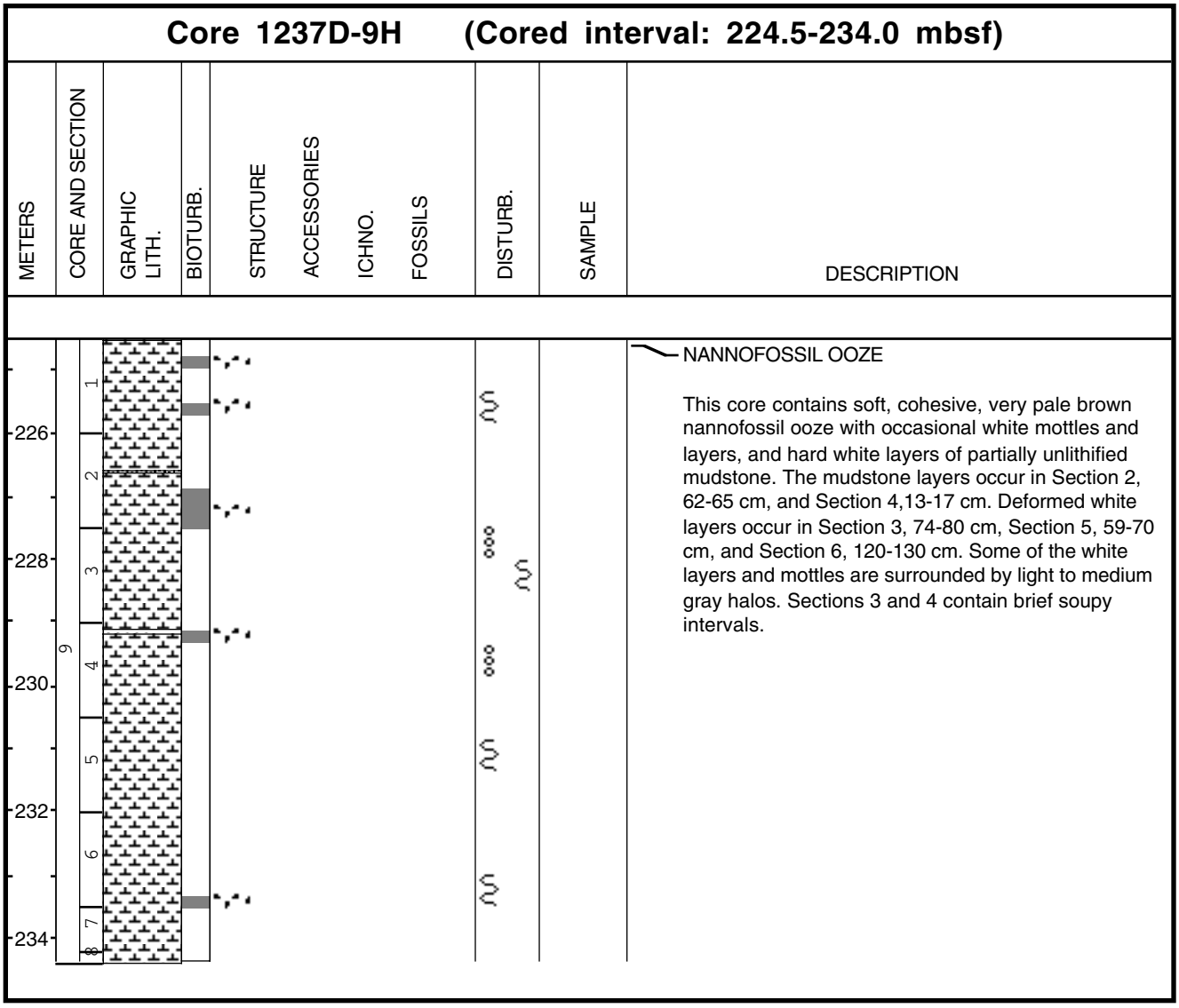
Core Photo


Core 1237D-7H (Cored nterval: 89.8-99.3 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
92
94
96
98
7
1
2
3
4
5
6
FES
CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
This core contains firm light greenish gray clayey nannofossil ooze and nannofossil ooze with very pale brown mottles, alternating light green and purple-gray gray bands, and sulfides. The sulfides are particularly abundant in Section 6, 45-82 cm. A very large dark gray ash layer is present in Section 2, 10-46 cm, with a scoured basal contact. Very large ash mottles occur below the ash layer along the edges of the core liner between 63-74 cm and 77-86 cm. A large interval of flow/deformation is present below this ash layer. The core catcher contains a dark brownish gray ash layer with a disturbed basal contact. A large ash patch is present below the ash layer at 23 cm.

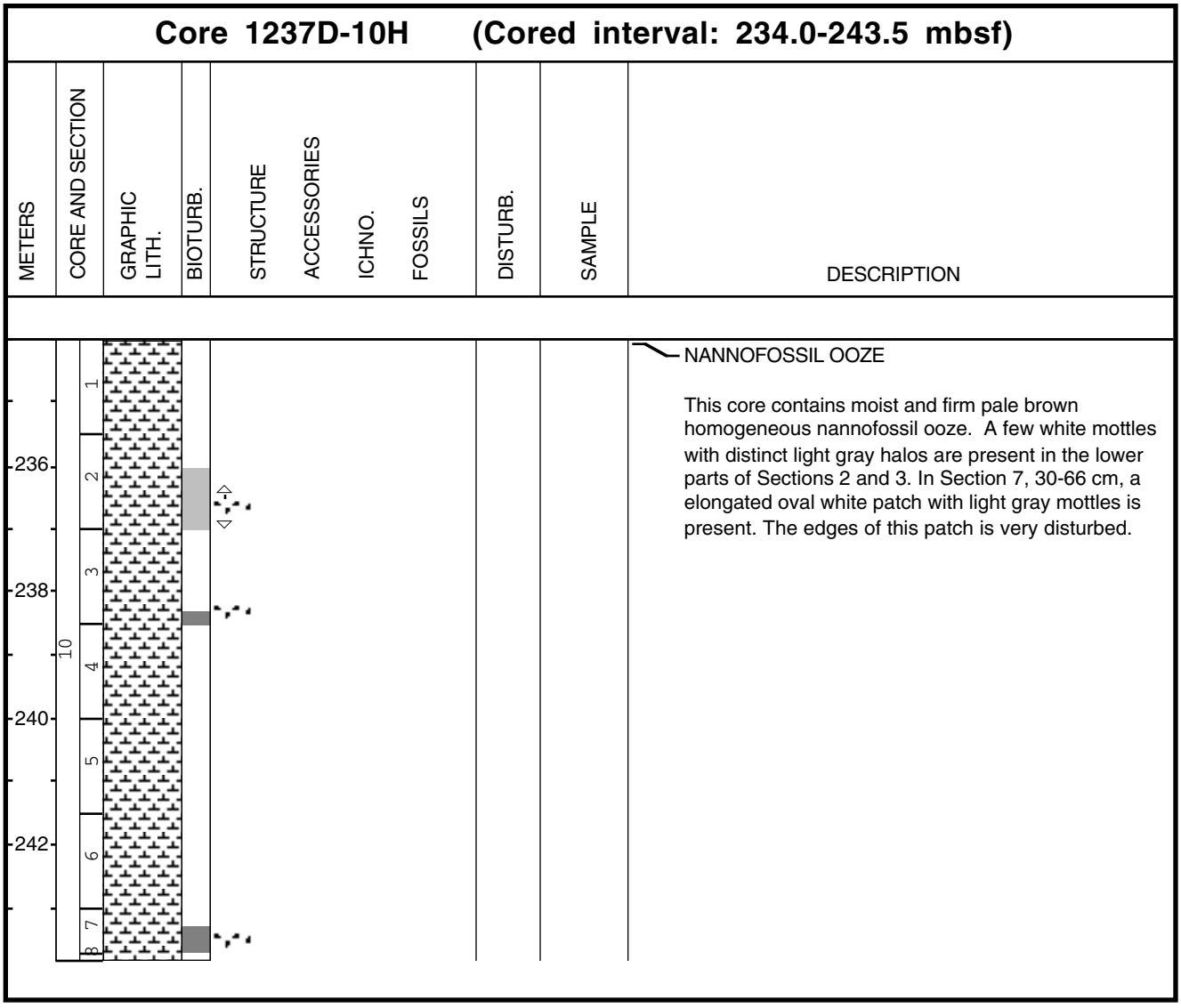
Core Photo


Core 1237D-8H (Cored interval: 99.3-108.8 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
100
102
104
106
108
8
1
2
3
4
5
6
7
NANNOFOSSIL OOZE
This core contains greenish gray nannofossil ooze. Numerous cm-thick green color bands occur in all sections. Some purple-gray bands are also present. A few are brownish, particularly in the core catcher. A dark gray ash layer occurs in Section 6, 120-127. Sulfides are scattered throughout the core and occur as splotches and as partial layers.

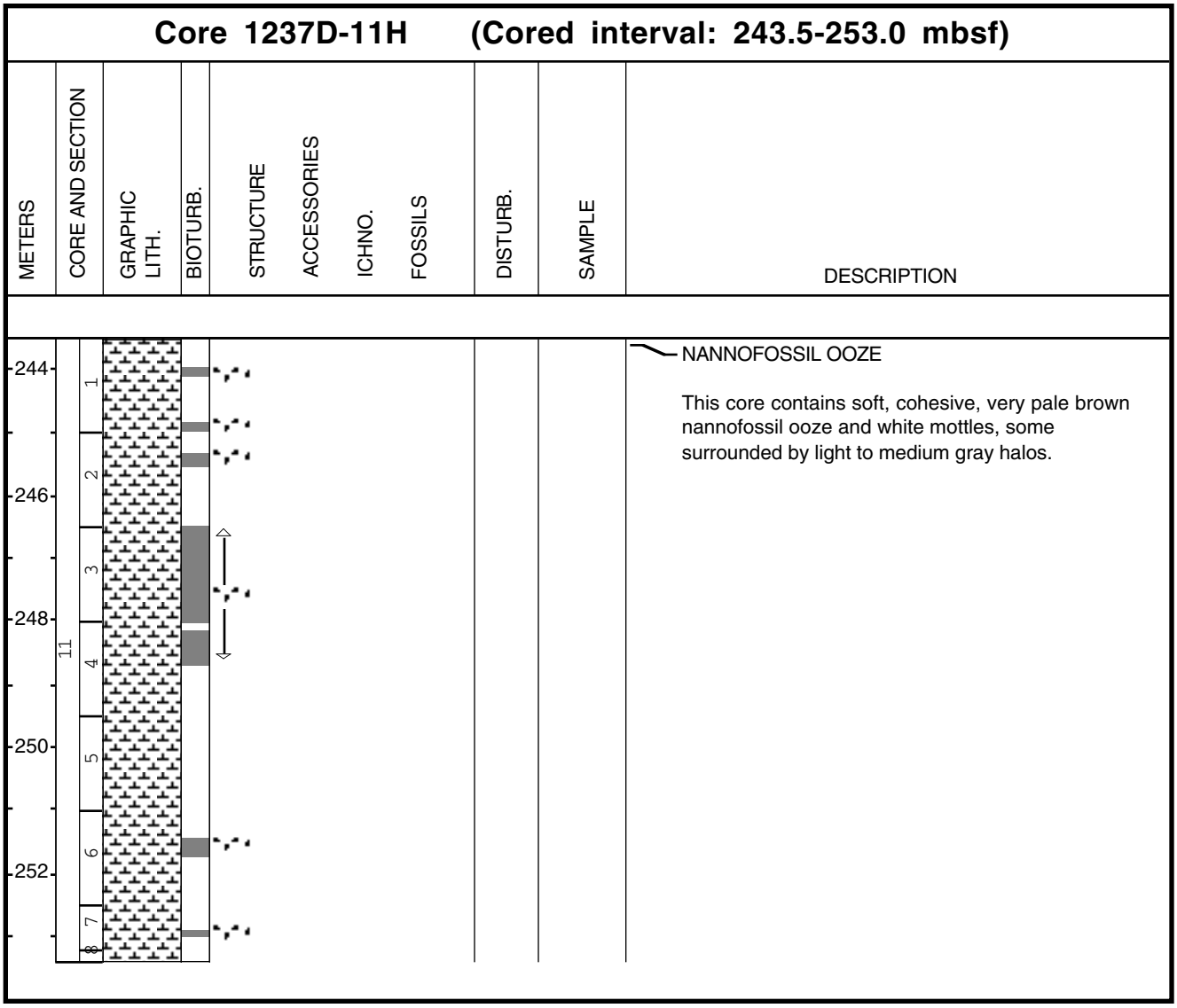
Core Photo


Core 1237D-9H (Cored interval: 224.5-234.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
226
228
230
232
234
9
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE
This core contains soft, cohesive, very pale brown nannofossil ooze with occasional white mottles and layers, and hard white layers of partially unlithified mudstone. The mudstone layers occur in Section 2, 62-65 cm, and Section 4,13-17 cm. Deformed white layers occur in Section 3, 74-80 cm, Section 5, 59-70 cm, and Section 6, 120-130 cm. Some of the white layers and mottles are surrounded by light to medium gray halos. Sections 3 and 4 contain brief soupy intervals.

Core Photo


Core 1237D-10H (Cored interval: 234.0-243.5 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
236
238
240
242
10
1
2
3
4
5
6
7
CC
NANNOFOSSIL OOZE
This core contains moist and firm pale brown homogeneous nannofossil ooze. A few white mottles with distinct light gray halos are present in the lower parts of Sections 2 and 3. In Section 7, 30-66 cm, a elongated oval white patch with light gray mottles is present. The edges of this patch is very disturbed.

Core Photo


Core 1237D-11H (Cored interval: 243.5-253.0 mbsf)
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
244
246
248
250
252
11
1
2
3
4
5
6
7
8
NANNOFOSSIL OOZE
This core contains soft, cohesive, very pale brown nannofossil ooze and white mottles, some surrounded by light to medium gray halos.

Sample					Texture				Mineral																																	Biogenic										Rock			
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Clay Mineral (47)	Clinopyroxene (49)	Dolomite (62)	Epidote (67)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Hematite (90)	Inorganic Calcite (97)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Oxides (146)	Palagonite (148)	Phillipsite (155)	Pyrite (169)	Pyroxene (171)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Diatoms (58)	Discoaster (61)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Unknown (258)	Bioclasts (21)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole A																																																				
1	H	1	75	1.75	D	0	38	62	3	21		R		10						R						14		7			3		14	R		21		R	7	R				Silty clayey diatom nannofossil ooze
1	H	3	75	4.77	D	0	19	81	R	42	R		R	7				R		R		R		R		1		1			7		10	R	R	28		R	1	R			1		Diatom nannofossil clay
1	H	3	123	5.25	M	42	58	0	1					14						4	7							4			69															Sandy silty ash (acidic)
1	H	5	72	7.74	M	0	17	83	R	21	R		R	3					10							1		1			7		10	R	3	43			R			R	R		Vitric clayey nannofossil ooze
Hole B																																																			
1	H	1	5	0.05	M																																												ash-not yet described
1	H	1	75	0.75	D	0	3	97	R	62	R			2				R	2	R			R			1		1	R		1		5	R	1	24		R	2	R				Nannofossil clay
1	H	3	75	3.76	D	0	16	84	R	75				9				R	R	R		R				1		3			2		9	R		R		R	3	R				Diatom-bearing clay
1	H	4	5	4.56	D	0	3	97	R	36				1				1				R				2					R		36		1	18		R	4						Clayey nannofossil diatom ooze
1	H	4	44	4.95	M	7	23	70	R	32	R			11		R			3	R		R				11		1	R		26		3		1	11			2			R			Nannofossil-bearing vitril clay
2	H	1	75	6.25	D	0	9	91	R	58	R			4					R	R		R		R		R		2	R		4		29	R				R	4	R				Diatom clay
2	H	3	75	9.27	D	0	11	89	R	R	77	R			10							R				R		2			R		6			2			4	R				Spicule diatom-bearing clay
2	H	5	86	12.39	D	0	17	83		25	R			5					R	R	R					R		R			2		5	R	3	58			2			R			Clayey nannofossil ooze
3	H	1	75	15.75	D	2	11	87	R	63	R		R	6		R			2	R	2	R		R		R		2			5		5	R	3	11			R	R				Diatom nannofossil-bearing clay
3	H	3	75	18.77	D	0	6	94	R	68	R			5							R			R		R					R		5	R	R	23			R	R				Nannofossil clay
3	H	4	51	20.04	M																																												ash-not yet described
3	H	4	57	20.1	M																																												ash-not yet described
4	H	1	1	24.51	M																																												ash-not yet described
4	H	1	33.5	24.84	M																																												ash-not yet described
4	H	1	55	25.05	M																																												ash-not yet described
4	H	1	75	25.25	D	0	9	91		69	R			7					1	R								1			14		4	R		1			1			R			Clay
4	H	1	86	25.36	M																																												ash-not yet described
4	H	2	115	27.16	M																																												ash-not yet described
4	H	3	18	27.7	M																																												ash-not yet described
4	H	3	35	27.87	M																																												ash-not yet described
4	H	3	75	28.27	D	0	11	89	R	65				8						R		R				R		2			11		8	R	R	2		R	2			2		Diatom-bearing clay
4	H	4	86	29.9	M																																												ash-not yet described
5	H	1	75	34.75	D	0	7	93		57	R			4						R						R		R			21		4	R		10		R	3						Diatom nannofossil-bearing vitric clay
5	H	2	90	36.42	M																																												ash-not yet described
5	H	3	30	37.33	D	0	3	97		51			R	R						R											R		42			2		5	R						Diatom clay
5	H	3	75	37.78	D	0	16	84		48				R						R											10		29	R	R	13			R	R					Nannofossil diatom clay
5	H	3	101	38.04	M																																												ash-not yet described
5	H	4	40	38.94	D	0	11	89		31			R																				4	2	R	62			R			R				Clayey nannofossil ooze
5	H	5	74	40.79	M																																												ash-not yet described
5	H	5	82	40.87	M																																												ash-not yet described
5	H	5	117	41.22	M																																												ash-not yet described
5	H	5	128	41.33	M																																												ash-not yet described
5	H	6	19	41.74	M																																												ash-not yet described
6	H	1	75	44.25	D	0	15	85		43				1						R						1		R			5		1		1	43		R	1	R			3		Clayey nannofossil ooze -abundant discoasters
6	H	2	18	45.19	M																																												ash-not yet described
6	H	2	22	45.23	M																																												ash-not yet described
6	H	2	140	46.41	M																																												ash-not yet described
6	H	3	14	46.66	M																																												ash-not yet described
6	H	3	42	46.94	M																																												ash-not yet described
6	H	3	75	47.27	D	0	9	91	R	40				R																	1		1		1	53		1	1	R			1		Clayey nannofossil ooze -abundant discoasters

Sample					Texture				Mineral																															Biogenic										Rock			
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Clay Mineral (47)	Clinopyroxene (49)	Dolomite (62)	Epidote (67)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Hematite (90)	Inorganic Calcite (97)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Oxides (146)	Palagonite (148)	Phillipsite (155)	Pyrite (169)	Pyroxene (171)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Diatoms (58)	Discoaster (61)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Unknown (258)	Bioclasts (21)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole B (continued)																																																		
6	H	4	68	48.7	M	0	11	89		33				R						R		R				11					5		2		1	43		1	1	1			1		Clayey nannofossil ooze
7	H	1	75	53.75	D	0	7	93	R	44				R								1								2		1		2	44		1	2	1			2		Clayey nannofossil ooze -abundant discoasters
7	H	3	75	56.76	D	0	8	92		42	R		R	2								2						R			R		R		R	51						3		Clayey nannofossil ooze-discoasters
7	H	6	86	61.38	M																																								ash-not yet described
8	H	1	75	63.25	D	0	17	83		24				2								2												R	71		R	R				1		Clayey nannofossil ooze
8	H	2	92	64.93	M																																								ash-not yet described
8	H	3	75	66.28	D	0	9	91	R	20										R							2							R	61			2				14		Clay-bearing nannofossil ooze
8	H	4	65	67.68	M																																								ash-not yet described
9	H	1	75	72.75	D	0	5	95		40																				R		7		5	45		1	1				1		Clayey nannofossil ooze
9	H	3	75	75.77	D	0	3	97		35				R					1											R		7		7	50		R	R						Clayey nannofossil ooze - ~2% discoasters
9	H	5	10	78.13	M																																								ash-not yet described
9	H	6	17	79.7	M	0	5	95		35		R		R																R		5		12	47			1	R					Clayey nannofossil ooze -more aggregates
9	H	7	41	81.46	M																																								ash-not yet described
10	H	1	75	82.25	D	0	2	98		40									R											R		6		2	50		1	R						Clayey nannofossil ooze
10	H	3	75	85.31	D	0	2	98		37									2													7		3	50		R	1	R					Clayey nannofossil ooze
10	H	7	4	90.62	M																																								ash-not yet described
11	H	1	75	91.75	D	0	10	90		40		R																				2			58		R		R						Clayey nannofossil ooze - ~10-5% discoasters
11	H	3	75	94.77	D	0	0	100		5	R			R								R									R		R	2	1	91			R				R		Nannofossil ooze
11	H	5	37	97.41	M																																								ash-not yet described
12	H	1	75	101.25	D	0	0	100		3	R											R		R								R	3	2	90			R				2		Nannofossil ooze
12	H	3	75	104.27	D	0	0	100		8																						R	18	R	73		R				R			Nannofossil ooze
12	H	4	37	105.39	M																																								ash-not yet described
12	H	6	87	108.91	M																																									ash-not yet described
13	H	1	27	110.27	M	0	0	100		27																						R	20	R	53		R				R			Clayey nannofossil ooze
13	H	1	75	110.75	D	0	0	100		2			R																		2			6	6	80			R				4		Nannofossil ooze
13	H	2	126	112.78	M																																									ash-not yet described
13	H	3	75	113.79	M	0	0	100	R	6			R																		R		R	12	R	82									Nannofossil ooze
13	H	3	93	113.97	M																																									ash-not yet described
13	H	3	99	114.03	D	0	0	100	R	3			R									R		R		23							R	3	R	69						1			Nannofossil ooze
14	H	1	32	119.82	M																																									ash-not yet described
14	H	1	57	120.07	M	0	100	0						4						R	7							2			65					22							R		Nannofossil-bearing ash
14	H	1	61	120.11	M																																									ash-not yet described
14	H	1	75	120.25	D					1	R			2						R						R					8		R	3	3	70		R	R				12		Ash-bearing nannofossil ooze
14	H	1	109	120.59	M																																									ash-not yet described
14	H	1	111	120.61	M	0	100	0						3							R							2			23					11	38		R					23		Vitric nannofossil ooze
14	H	1	114	120.64	M																																									ash-not yet described
14	H	2	37	121.38	M	0	0	100		3			R											R								R	6	R	91		R				R	R		Nannofossil ooze
14	H	2	81	121.82	M																																									ash-not yet described
14	H	2	83	121.84	M																																									ash-not yet described
14	H	3	67	123.19	D	0	0	100		6			R											R		4						2	4	R	56							28		Nannofossil ooze
14	H	3	75	123.27	M	0	0	100		3			R																			2	10	R	84		R	R			R	R		Nannofossil ooze
14	H	5	120	126.72	M																																									ash-not yet described
15	H	1	15	129.15	M																																									ash-not yet described
15	H	1	75	129.75	D	0	0	100	R	4	R		R	R										R							14		R	2	6	70						R	4		Ash-bearing nannofossil ooze
15	H	1	92	129.92	M																																									ash-not yet described
15	H	3	75	132.77	D	0	0	100		4			R	R																	R		R	10		86						R	R		Nannofossil ooze

Sample					Texture				Mineral																													Biogenic									Rock			
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Clay Mineral (47)	Clinopyroxene (49)	Dolomite (62)	Epidote (67)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Hematite (90)	Inorganic Calcite (97)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Oxides (146)	Palagonite (148)	Phillipsite (155)	Pyrite (169)	Pyroxene (171)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Diatoms (58)	Discoaster (61)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Unknown (258)	Bioclasts (21)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole B (continued)																																															
15	H	5	52	135.56	M																																									ash-not yet described
16	H	1	75	139.25	D	0	0	100		4			R	R																	R	14		82								R		Nannofossil ooze
16	H	3	75	142.26	D					R			R	R															15			9		43		R					34		Ash-bearing nannofossil ooze
16	H	5	10	144.63	M																																							ash-not yet described
16	H	6	136	147.4	M																																							ash-not yet described
17	H	1	75	148.75	D				R				R	R												R								5	24						71		Unlithified nannofossil-bearing mudstone
17	H	3	75	151.76	D									R												R				2					24						73		Unlithified nannofossil-bearing mudstone
17	H	3	118	152.19	M																																								ash-not yet described
17	H	7	50	157.53	D									R																				R	9						91		Unlithified mudstone - discoasters abundant
18	H	1	27	157.77	M	0	5	95	R	40		R		3		5	R		2												1		5	43		R	1	R					Mixed clayey nannofossil ooze
18	H	1	75	158.25	D	0	100	0	3					R					8							3				R				78						16		Nannofossil ooze - abundant discoasters
18	H	3	9	160.26	M	0	0	100	R	19				R					8						3									28						42		Unlithified mudstone -black path; abund. nann.
18	H	3	75	160.92	D	0	50	50		2	R			2																			2	74					6	2	11		Nannofossil ooze
19	H	1	2	167.02	M	5	30	65	R	40				10		5					5						R	R			7		10		1	15		R	2	1				Diatom nannofossil-bearing silty clay
19	H	1	75	167.75	D					R				R																				3	55						42		Nannofossil ooze -abundant micrite
19	H	3	75	170.78	D					R				R																	R			4	59						37		Nannofossil ooze -abundant micrite
19	H	5	87	173.92	D				R	R				2																				9	36						54		Unlithified mudstone -abundant nannos
20	H	1	75	177.25	D					R				R																				4	55						41		Nannofossil ooze -abundant micrite & discoast
20	H	3	75	180.27	D					R				R																				7	53						40		Nannofossil ooze -abundant micrite
21	H	1	75	186.75	D					R																								4	55						41		Nannofossil ooze -abundant micrite
21	H	3	16	189.18	M					R				R																				7	53						40		Nannofossil ooze -abundant micrite
21	H	3	75	189.77	D					R																								4	55						41		Nannofossil ooze -abundant micrite
21	H	3	126	190.28	M					R																								7	53						40		Nannofossil ooze -abundant micrite
22	H	1	75	196.25	D					R				R																				4	55						41		Nannofossil ooze -abundant micrite
22	H	3	75	199.27	D					R				R																				3	55						42		Nannofossil ooze -abundant micrite
23	H	1	75	205.75	D					R				R																				3	55						42		Nannofossil ooze -abundant micrite
23	H	3	75	208.77	D					R																								5	55						40		Nannofossil ooze -abundant micrite
24	H	2	81	216.82	M		R							R																				13	2	13				4		67		Partially lithified mudstone -white hard layer
24	H	3	75	218.27	D			100		4																		R		R		R	30	R	60					R	7		Nannofossil ooze
24	H	4	111	220.15	M									R						R	R												18	7	9				4		62		Unlithified mudstone
25	H	1	75	224.75	D						R			R																			43	3	45						9		Nannofossil ooze
25	H	3	37	227.39	M	43	14	43	R	4			R	R						R		R					R			1			19	R	64					3	9		Nannofossil ooze
25	H	3	75	227.77	D	0	0	100		3			R	R			R																	R	69					R	28		Nannofossil ooze
26	H	1	75	234.25	D	0	0	100	R	4			R	R	R																		22	R	73					R	R		Nannofossil ooze
26	H	3	75	237.27	D	0	0	100		3			R																				24	R	72					R			Nannofossil ooze
27	H	1	75	243.75	D	0	0	100		2				R																				31	R	61					R	6		Nannofossil ooze
27	H	3	75	246.77	D					R				R																					1	56						42		Nannofossil ooze -~2-3% discoasters
28	H	1	75	253.25	D					R				R																					2	61						38		Nannofossil ooze -abundant discoasters
28	H	2	128	255.29	M																														R	43						57		Partially lithified mudstone -abun. nannos
28	H	3	71	256.23	M																4														4	53						38		Nannofossil ooze -abundant micrite
28	H	3	75	256.27	D					R																									1	53						46		Nannofossil ooze -abundant micrite
28	H	5	75	259.28	D																														R	57						43		Nannofossil ooze -abundant micrite
29	H	1	75	262.75	D									R																				35	3	42						21		Nannofossil ooze -abund. discoasters& micrite
29	H	3	75	265.76	D									R																				30	2	37						30		Nannofossil ooze -abund. discoasters& micrite
30	H	1	75	272.25	D									R																				17	3	45						34		Nannofossil ooze -abundant micrite
30	H	3	84	275.35	M																													13	R	48						38		Nannofossil ooze -abundant micrite

Sample					Texture				Mineral																															Biogenic										Rock			
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Clay Mineral (47)	Clinopyroxene (49)	Dolomite (62)	Epidote (67)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Hematite (90)	Inorganic Calcite (97)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Oxides (146)	Palagonite (148)	Phillipsite (155)	Pyrite (169)	Pyroxene (171)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Diatoms (58)	Discoaster (61)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Unknown (258)	Bioclasts (21)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole B (continued)																																																		
31	H	4	75	286.3	D									R																			9	3	50								38		Nannofossil ooze -abundant micrite
31	H	7	44	290.51	M									R					20													13		53								13		Nannofossil ooze -calcite “needles” aragonite
32	H	3	75	294.28	D														11															1	49							38		Nannofossil ooze -abundant micrite
33	H	5	88	306.91	M									R					15	R															38							46		Partially lithified mudstone -abundant nannos
34	H	1	75	310.25	D									R					R															2	54							45		Nannofossil ooze -micrite rich
Hole C																																																	
1	H	1	5	0.05	D	0	9	91		40			R	2						R						R		2			R	54			1		R	R	1				Clayey diatom ooze
1	H	1	5	0.05	M																																									ash-not yet described
1	H	1	64	0.64	D	0	5	95	R	43	R		R	1						R						R		1			R	27		R	27		R	R	R		R		Clayey diatom nannofossil ooze
1	H	4	40	4.93	D	0	3	97		42			R	4						R						R		1			R	42	R	R	10		R		R				Clayey diatom ooze
1	H	5	110	7.13	D	0	60	40		6			R	3						R						R		3			3	16	R	R	62		R	R	R	R	6		Clayey silt bearing nannofossil ooze
1	H	5	145	7.48	M	0	9	91	R	71			R	4						R		R				R			R		R	7		R	18			R	R				Diatom nannofossil ooze
1	H	6	64	8.17	M																																									ash-not yet described
1	H	6	73	8.26	M	4	19	77	R	71			R	R		R				R	R					4		R			11		11	R	R	4		R	R	R				Diatom bearing clay
2	H	5	75	16.06	M	0	67	33		22			R	7						R				R		67		4					R			R			R					Clayey silt -all very pyritized
3	H	1	58	19.38	M																																									ash-not yet described
3	H	5	138	26.22	M																																									ash-not yet described
3	H	6	138	27.73	M																																									ash-not yet described
3	H	7	21	28.07	M																																									ash-not yet described
4	H	1	6	28.36	M																																									ash-not yet described
4	H	1	29	28.59	M																																									ash-not yet described
4	H	1	41	28.71	M																																									ash-not yet described
4	H	2	12	29.93	M																																									ash-not yet described
4	H	2	70	30.51	M																																									ash-not yet described
4	H	2	84	30.65	M																																									ash-not yet described
4	H	6	90	36.72	M																																									ash-not yet described
5	H	1	60	38.4	M																																									ash-not yet described
5	H	3	80	41.62	M																																									ash-not yet described
5	H	6	35	45.7	M																																									ash-not yet described
6	H	1	22	47.52	M																																									ash-not yet described
6	H	1	46	47.76	M																																									ash-not yet described
6	H	1	73	48.03	M																																									ash-not yet described
7	H	6	136	65.68	M																																									ash-not yet described
8	H	1	145	67.75	M																																									ash-not yet described
8	H	6	75	74.61	D					R				R																				3	60							37		Nannofossil ooze - abundant micrite
9	H	3	52	79.34	M																																									ash-not yet described
9	H	5	71	82.55	M																																									ash-not yet described
9	H	6	22	83.57	M																																									ash-not yet described
10	H	5	125	92.58	M																																									ash-not yet described
10	H	6	125	94.09	D					4			R	R						R		R									R	R	10	R	83						R	1		Nannofossil ooze
11	H	3	99	98.82	M																																									ash-not yet described
11	H	7	20	103.83	D					5			R	R						R						R						R	16	2	78		R				R			Nannofossil ooze
12	H	3	25	107.57	M																																									ash-not yet described
12	H	5	42	110.74	M																																									ash-not yet described
13	H	5	49	122.33	M																																									ash-not yet described
13	H	5	73	122.57	M																																									ash-not yet described

Sample					Texture				Mineral																																	Biogenic												Rock				
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand (%)	Silt (%)	Clay (%)	Amphibole (8)	Clay Mineral (47)	Clinopyroxene (49)	Dolomite (62)	Epidote (67)	Feldspar (71)	Garnet (79)	Glauconite (82)	Heavy Minerals (89)	Hematite (90)	Inorganic Calcite (97)	Mica (118)	Opaques (140)	Orthopyroxene (143)	Oxides (146)	Palagonite (148)	Phillipsite (155)	Pyrite (169)	Pyroxene (171)	Quartz (172)	Rutile (178)	Titanite (210)	Volcanic Glass (81)	Zircon (223)	Diatoms (58)	Discoaster (61)	Foraminifers (78)	Nannofossils (132)	Pollen (162)	Radiolarians (173)	Siliceous Sponge Spicules (185)	Silicoflagellates (189)	Unknown (258)	Bioclasts (21)	Micrite (119)	Volcanic Fragments (220)	Comments
Hole C (continued)																																																								
13	H	5	123	123.07	M																																																			
13	H	6	106	124.41	M																																																			
13	H	6	108	124.43	M																																																			
14	H	2	58	127.39	M																																																			
14	H	5	11	131.44	M																																																			
14	H	6	97	133.81	M																																																			
15	H	2	70	137.01	M																																																			
16	H	1	10	144.4	M																																																			
16	H	2	135	147.16	M																																																			
16	H	7	72	154.07	M																																																			