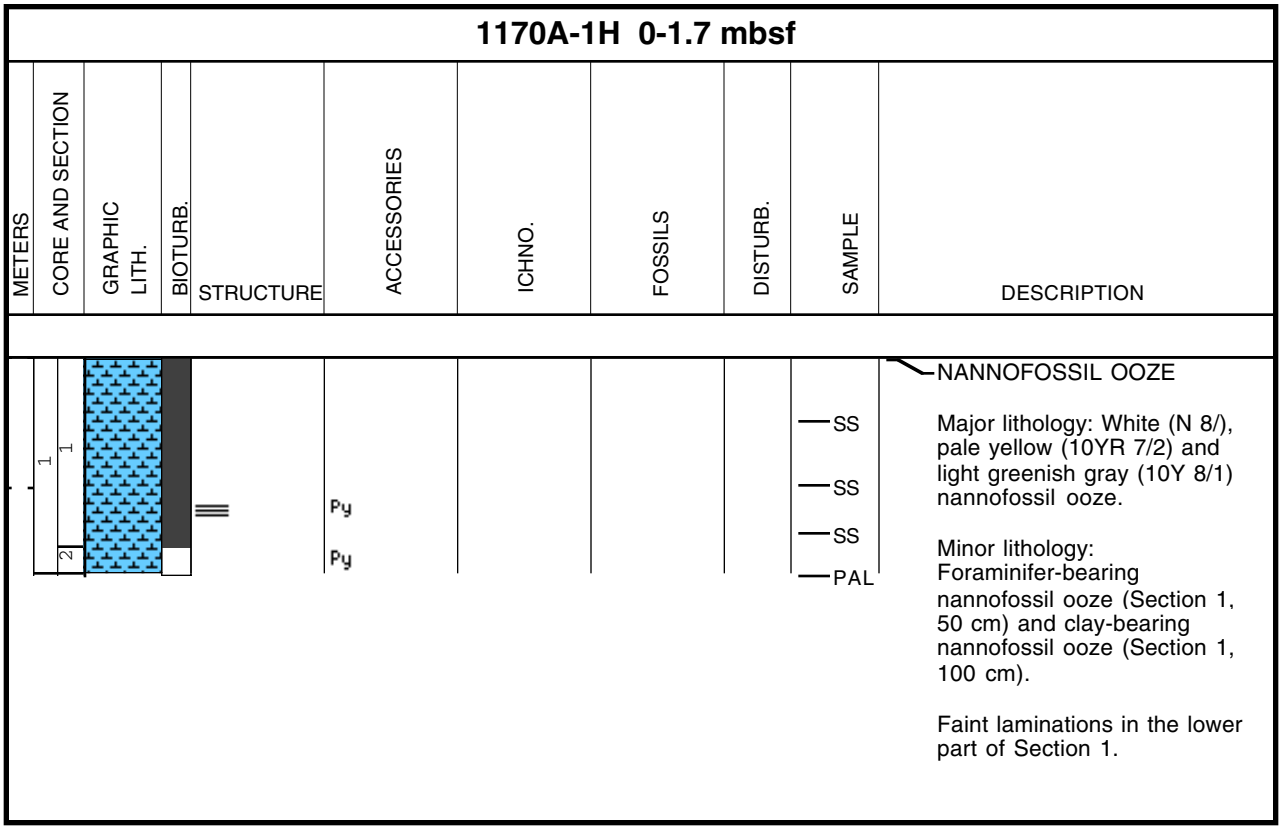
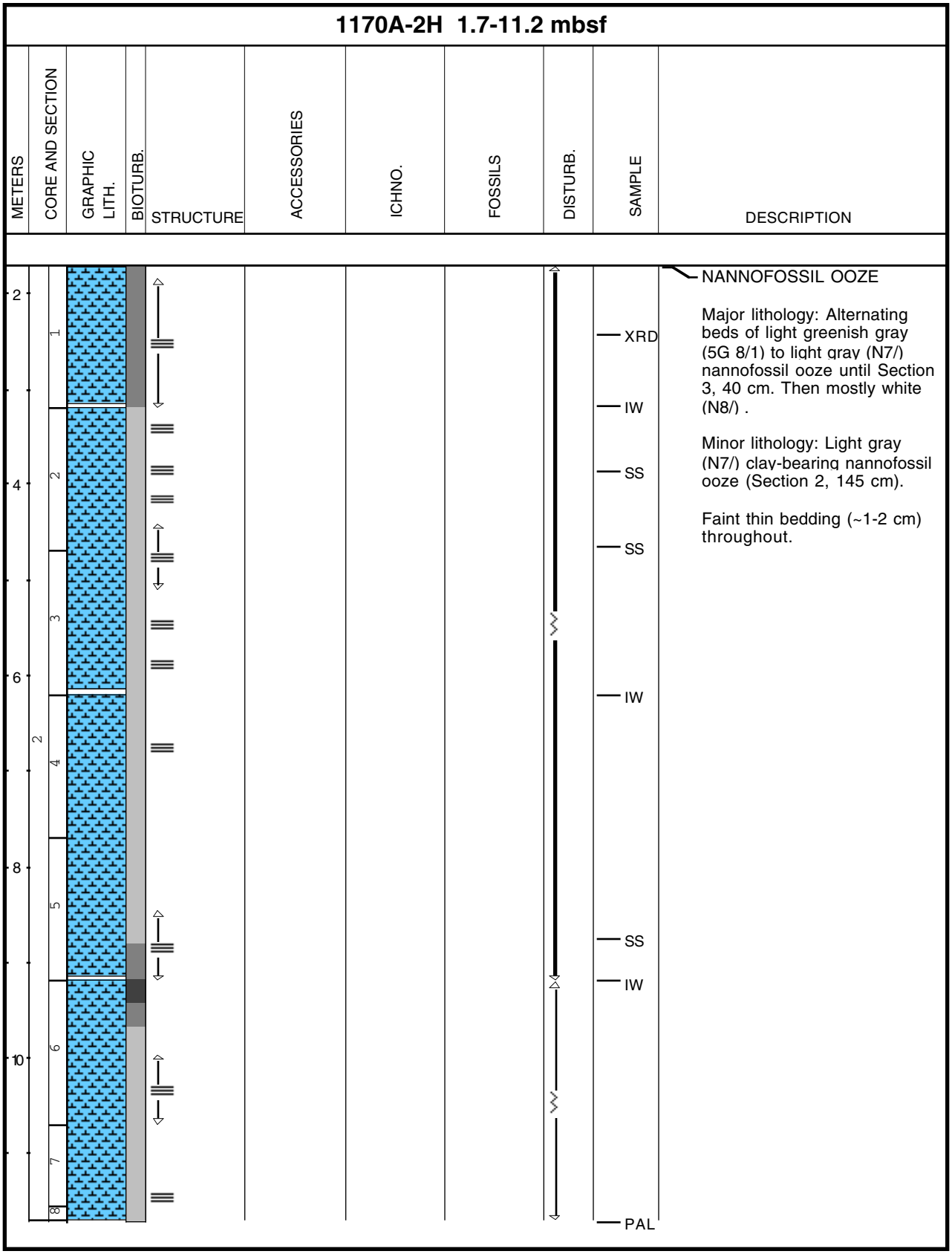
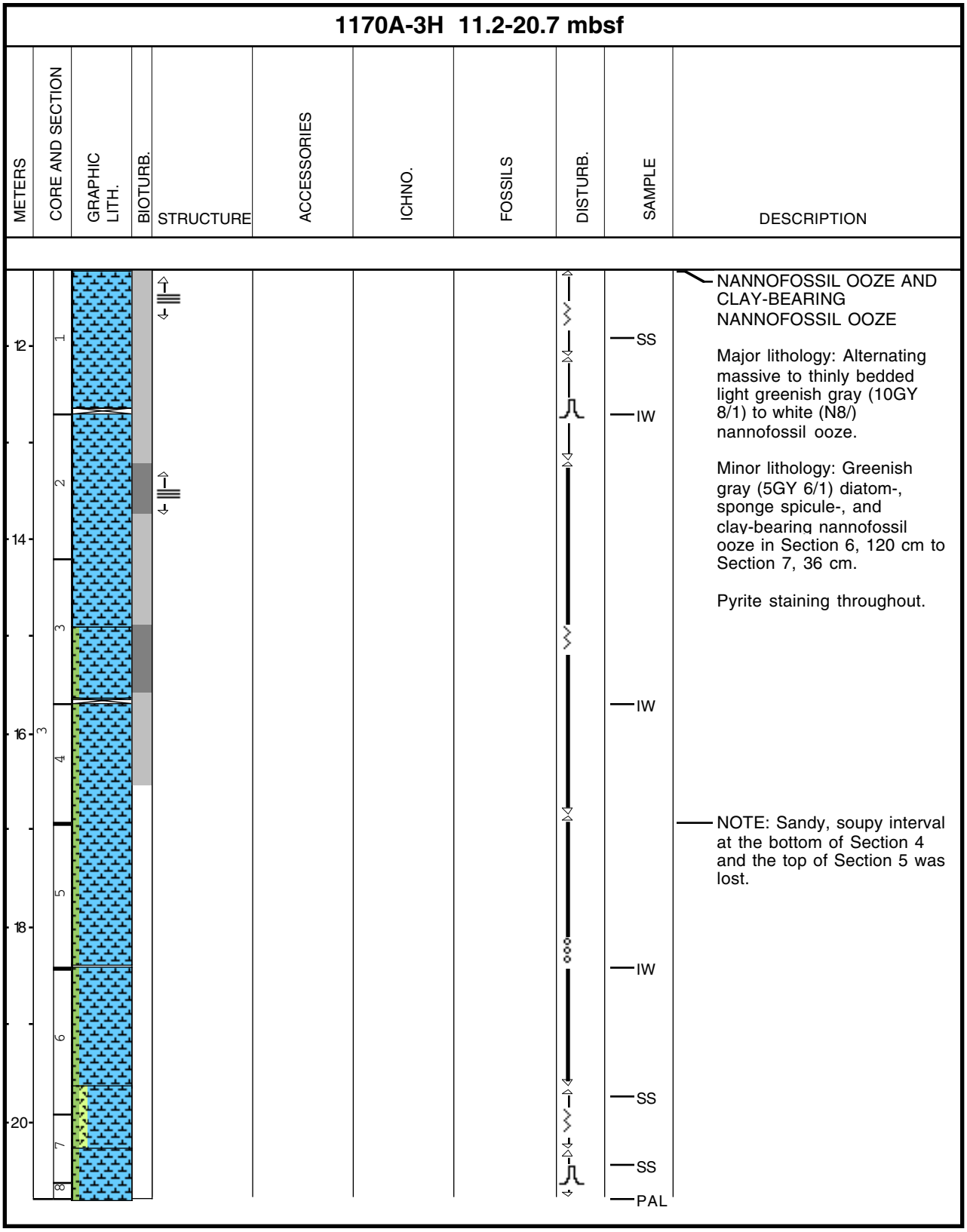
Core Photo


1170A-1H 0-1.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
1
2
Py
Py
SS
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N 8/), pale yellow (10YR 7/2) and light greenish gray (10Y 8/1) nannofossil ooze.
Minor lithology: Foraminifer-bearing nannofossil ooze (Section 1, 50 cm) and clay-bearing nannofossil ooze (Section 1, 100 cm).
Faint laminations in the lower part of Section 1.

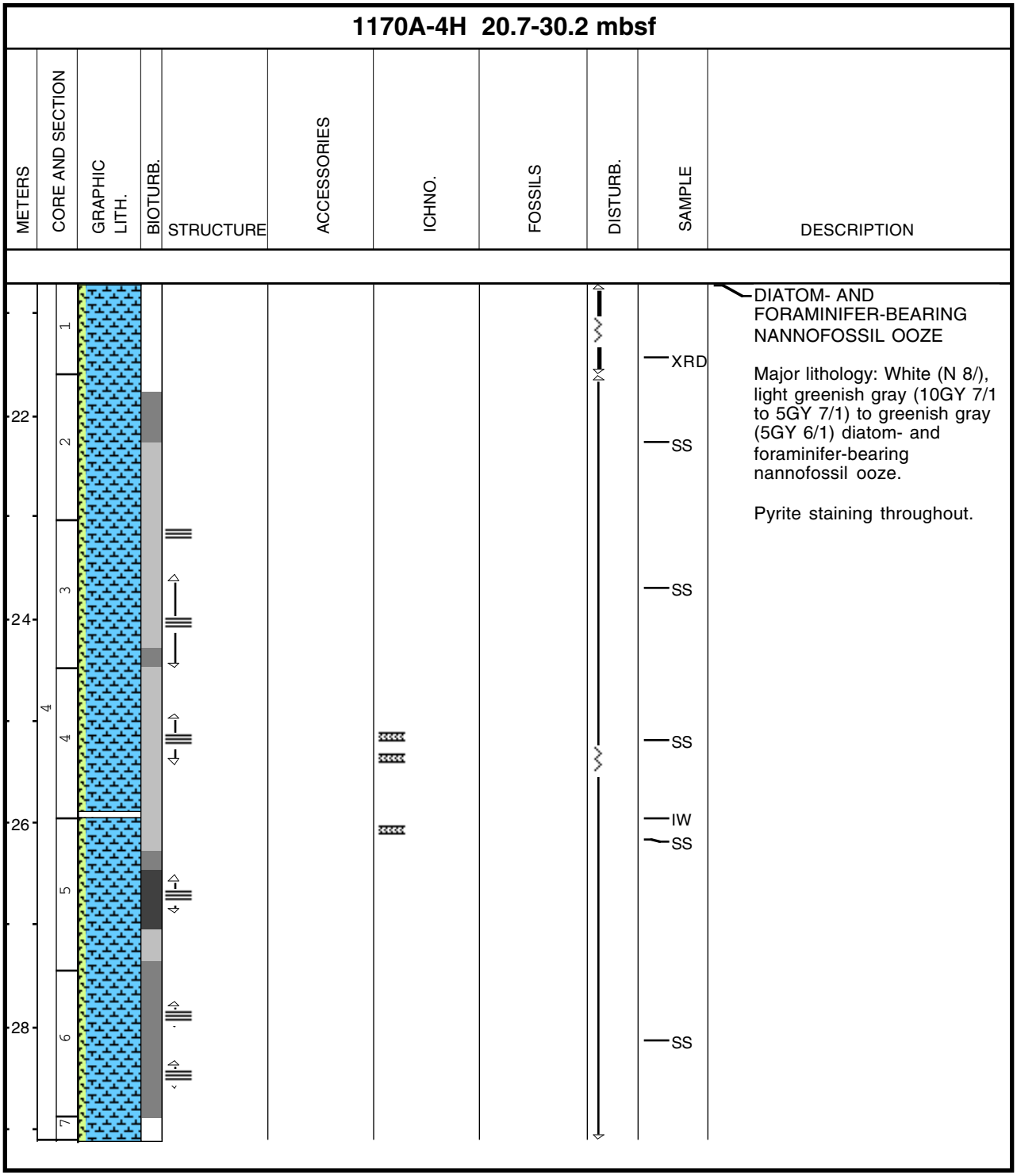
Core Photo


1170A-2H 1.7-11.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
2
4
6
8
10
1
2
3
4
5
6
7
8
XRD
IW
SS
SS
IW
SS
IW
PAL
NANNOFOSSIL OOZE
Major lithology: Alternating beds of light greenish gray (5G 8/1) to light gray (N7/) nannofossil ooze until Section 3, 40 cm. Then mostly white (N8/) .
Minor lithology: Light gray (N7/) clay-bearing nannofossil ooze (Section 2, 145 cm).
Faint thin bedding (~1-2 cm) throughout.

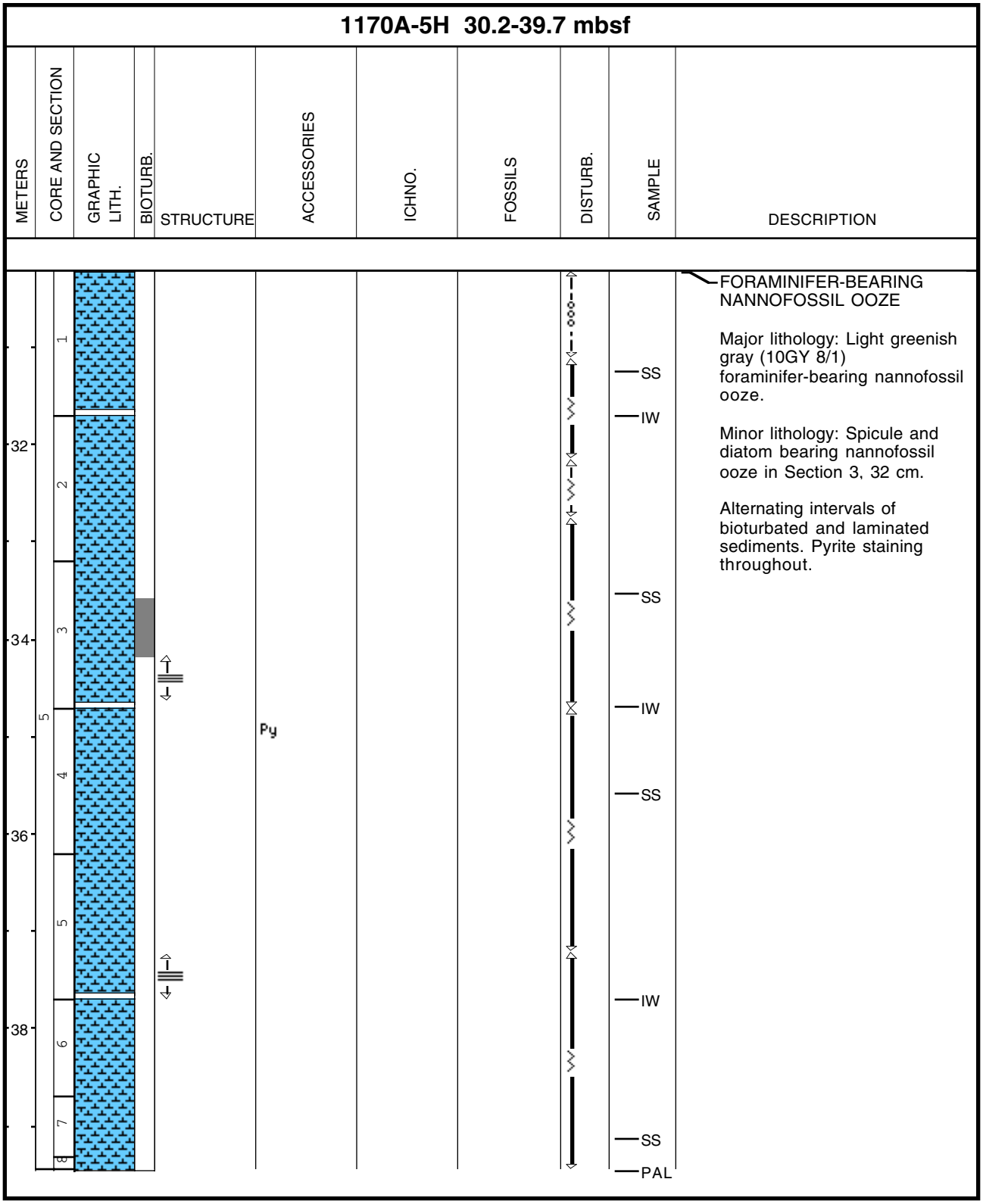
Core Photo


1170A-3H 11.2-20.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
12
14
16
18
20
1
2
3
4
5
6
7
8
SS
IW
IW
IW
SS
SS
PAL
NANNOFOSSIL OOZE AND CLAY-BEARING NANNOFOSSIL OOZE
Major lithology: Alternating massive to thinly bedded light greenish gray (10GY 8/1) to white (N8/) nannofossil ooze.
Minor lithology: Greenish gray (5GY 6/1) diatom-, sponge spicule-, and clay-bearing nannofossil ooze in Section 6, 120 cm to Section 7, 36 cm.
Pyrite staining throughout.
NOTE: Sandy, soupy interval at the bottom of Section 4 and the top of Section 5 was lost.

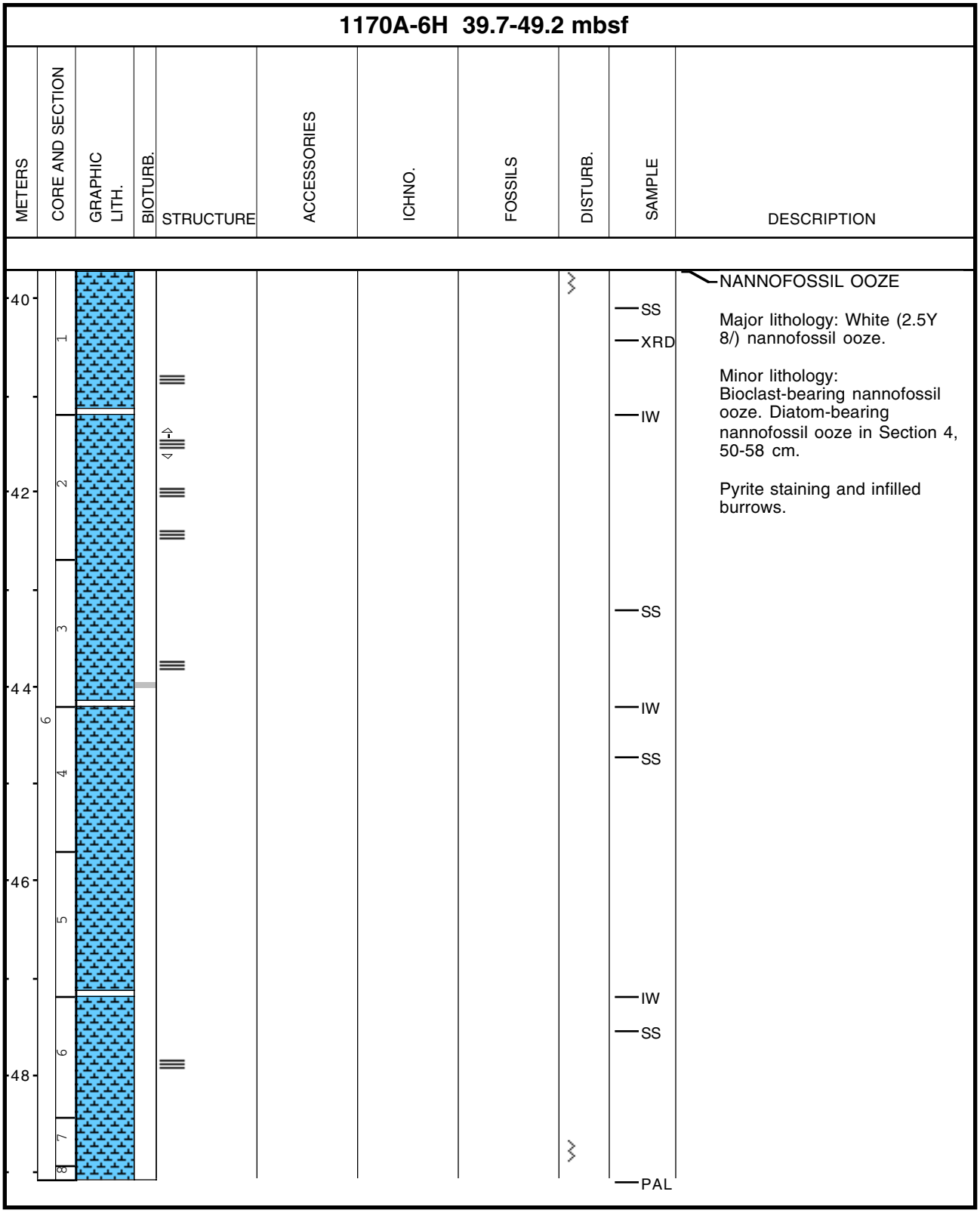
Core Photo


1170A-4H 20.7-30.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
22
24
26
28
1
2
3
4
5
6
7
XRD
SS
SS
SS
IW
SS
SS
DIATOM- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: White (N 8/), light greenish gray (10GY 7/1 to 5GY 7/1) to greenish gray (5GY 6/1) diatom- and foraminifer-bearing nannofossil ooze.
Pyrite staining throughout.

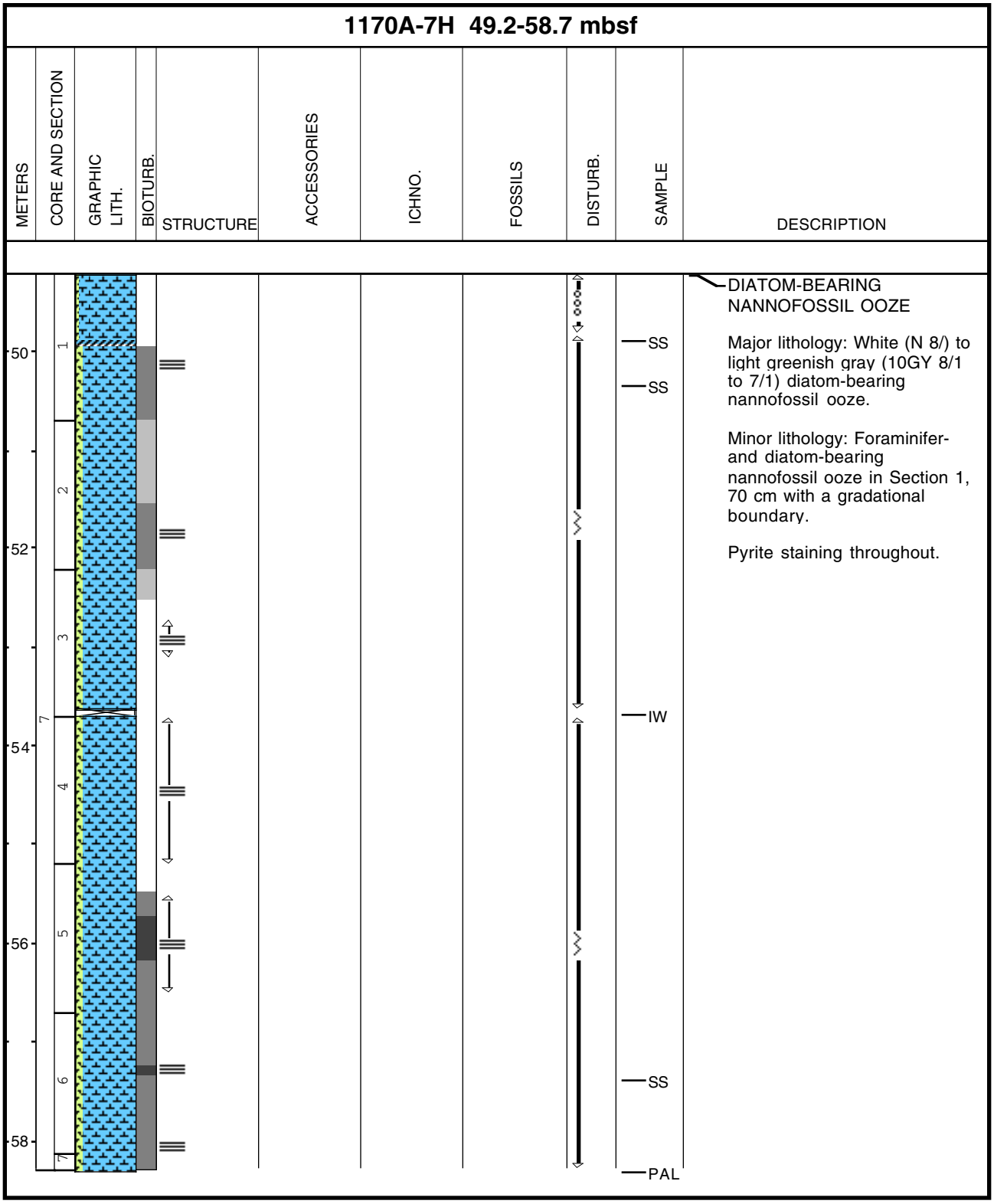
Core Photo


1170A-5H 30.2-39.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
32
34
36
38
1
2
3
4
5
6
7
8
Py
SS
IW
SS
IW
SS
IW
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: Light greenish gray (10GY 8/1) foraminifer-bearing nannofossil ooze.
Minor lithology: Spicule and diatom bearing nannofossil ooze in Section 3, 32 cm.
Alternating intervals of bioturbated and laminated sediments. Pyrite staining throughout.

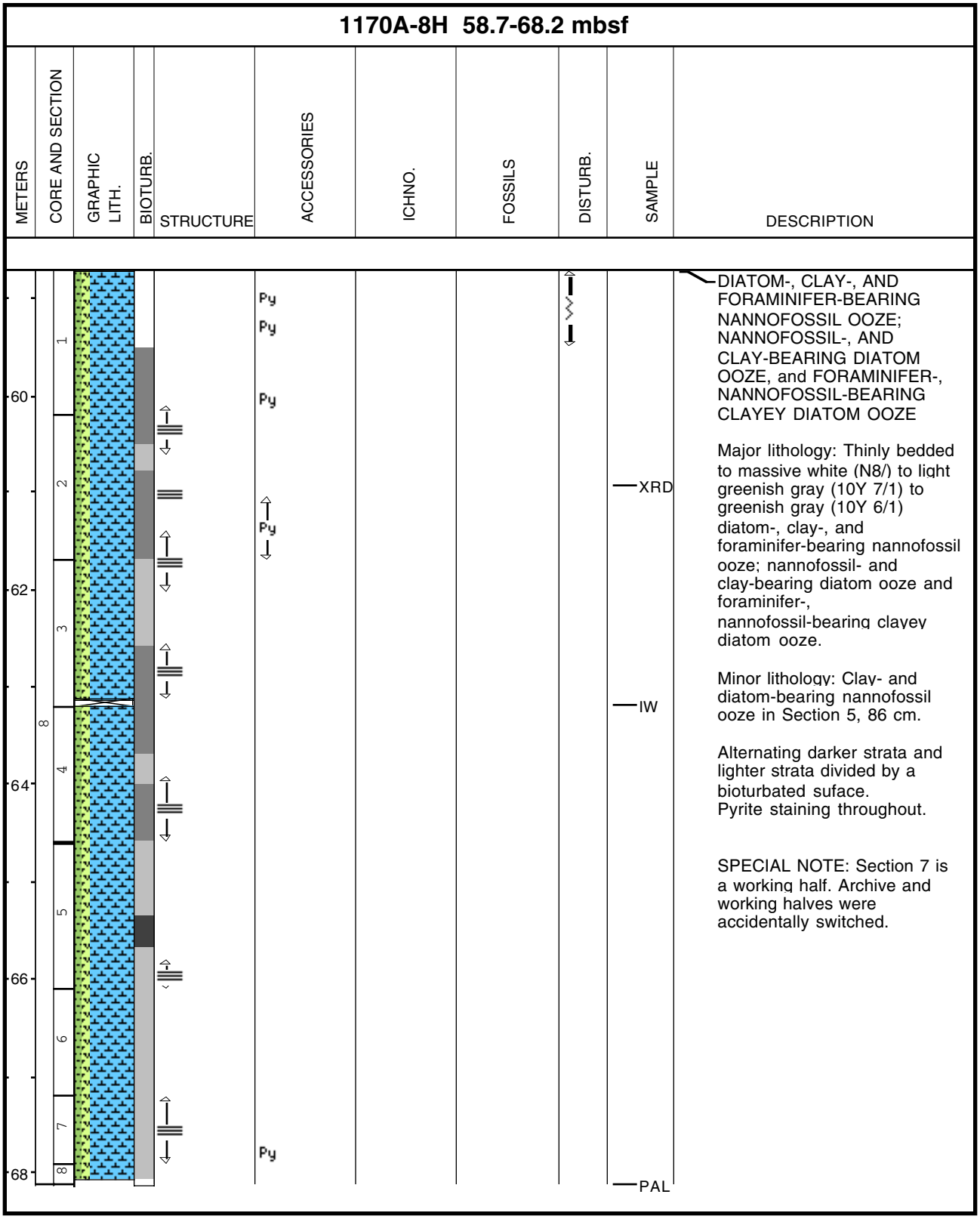
Core Photo


1170A-6H 39.7-49.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
40
42
44
46
48
1
2
3
4
5
6
7
8
SS
XRD
IW
SS
IW
SS
IW
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (2.5Y 8/) nannofossil ooze.
Minor lithology: Bioclast-bearing nannofossil ooze. Diatom-bearing nannofossil ooze in Section 4, 50-58 cm.
Pyrite staining and infilled burrows.

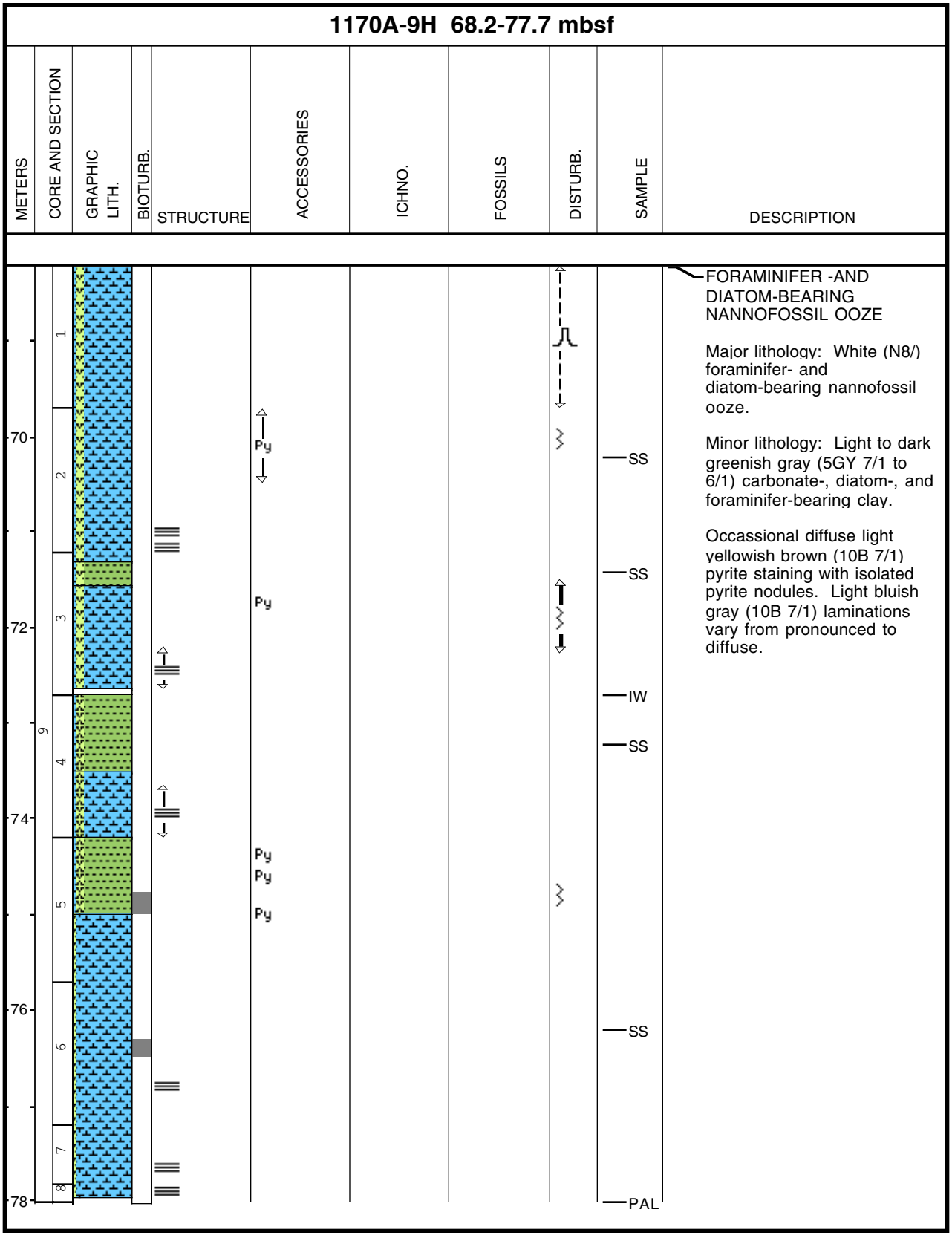
Core Photo


1170A-7H 49.2-58.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
50
52
54
56
58
1
2
3
4
5
6
7
SS
SS
IW
SS
PAL
DIATOM-BEARING NANNOFOSSIL OOZE
Major lithology: White (N 8/) to light greenish gray (10GY 8/1 to 7/1) diatom-bearing nannofossil ooze.
Minor lithology: Foraminifer- and diatom-bearing nannofossil ooze in Section 1, 70 cm with a gradational boundary.
Pyrite staining throughout.

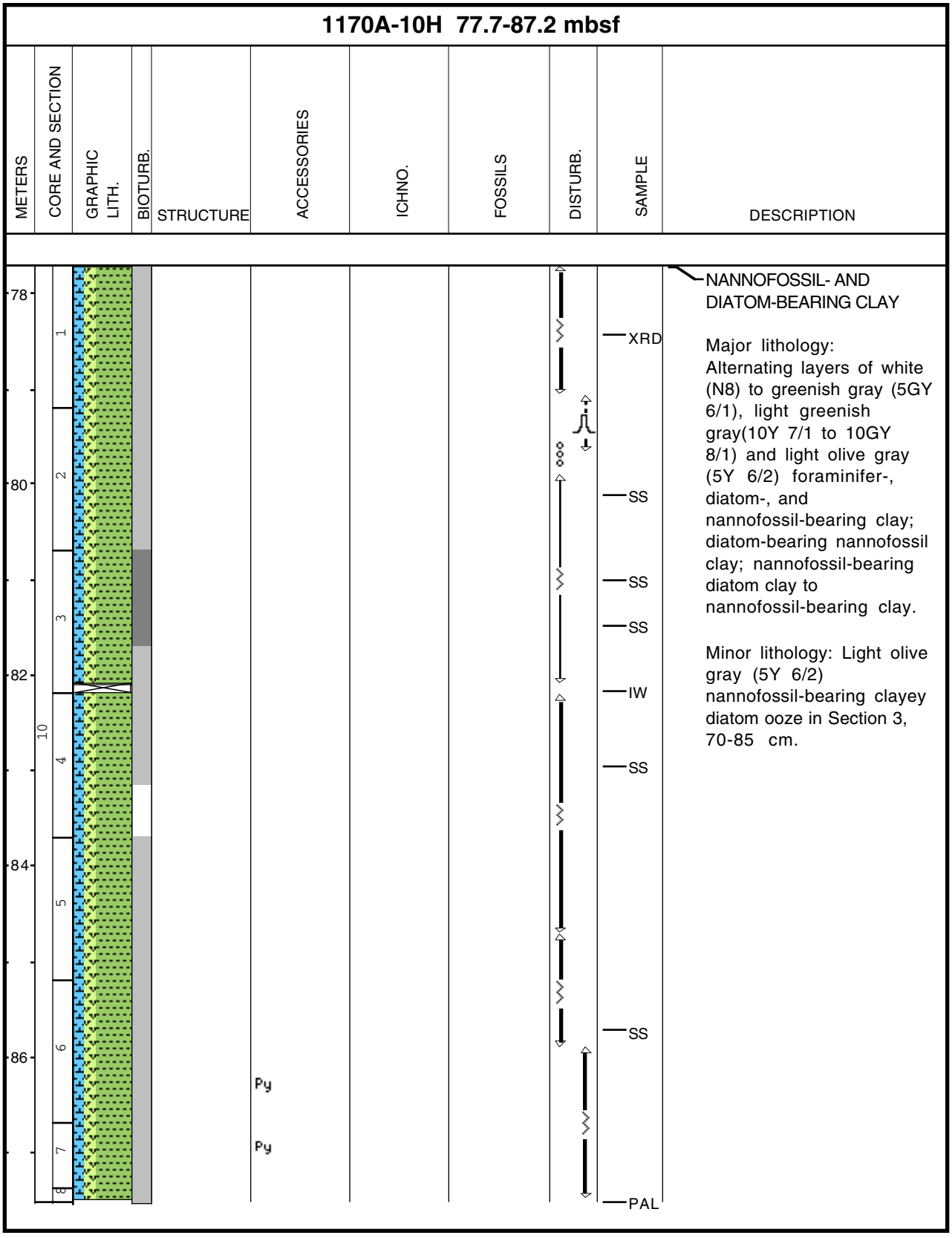
Core Photo


1170A-8H 58.7-68.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
60
62
64
66
68
1
2
3
4
5
6
7
8
Py
Py
Py
Py
Py
XRD
IW
PAL
DIATOM-, CLAY-, AND FORAMINIFER-BEARING NANNOFOSSIL OOZE; NANNOFOSSIL-, AND CLAY-BEARING DIATOM OOZE, and FORAMINIFER-, NANNOFOSSIL-BEARING CLAYEY DIATOM OOZE
Major lithology: Thinly bedded to massive white (N8/) to light greenish gray (10Y 7/1) to greenish gray (10Y 6/1) diatom-, clay-, and foraminifer-bearing nannofossil ooze; nannofossil- and clay-bearing diatom ooze and foraminifer-, nannofossil-bearing clayey diatom ooze.
Minor lithology: Clay- and diatom-bearing nannofossil ooze in Section 5, 86 cm.
Alternating darker strata and lighter strata divided by a bioturbated suface.
Pyrite staining throughout.
SPECIAL NOTE: Section 7 is a working half. Archive and working halves were accidentally switched.

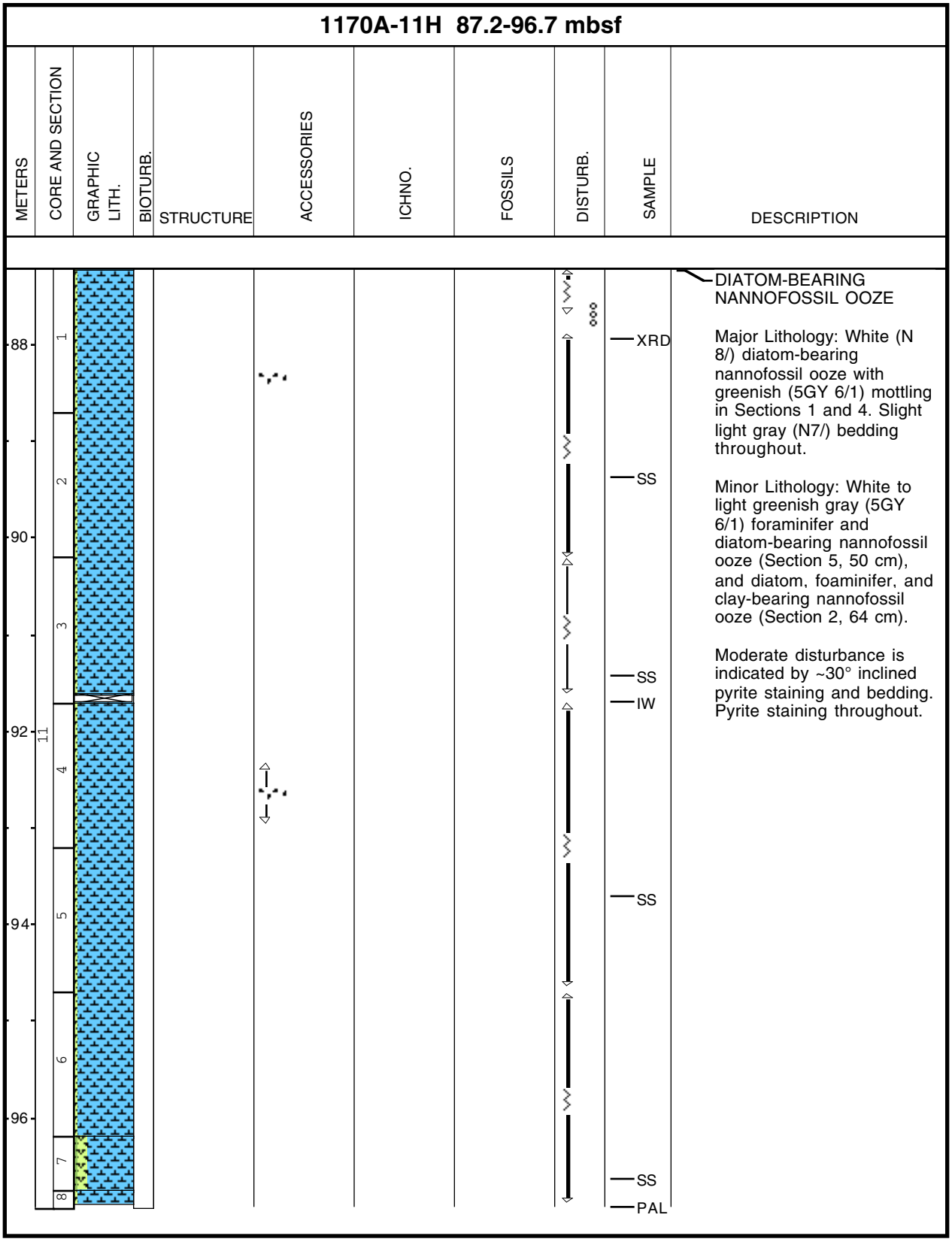
Core Photo


1170A-9H 68.2-77.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
70
72
74
76
78
1
2
3
4
5
6
7
8
9
Py
Py
Py
Py
Py
SS
SS
IW
SS
SS
PAL
FORAMINIFER -AND DIATOM-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) foraminifer- and diatom-bearing nannofossil ooze.
Minor lithology: Light to dark greenish gray (5GY 7/1 to 6/1) carbonate-, diatom-, and foraminifer-bearing clay.
Occassional diffuse light yellowish brown (10B 7/1) pyrite staining with isolated pyrite nodules. Light bluish gray (10B 7/1) laminations vary from pronounced to diffuse.

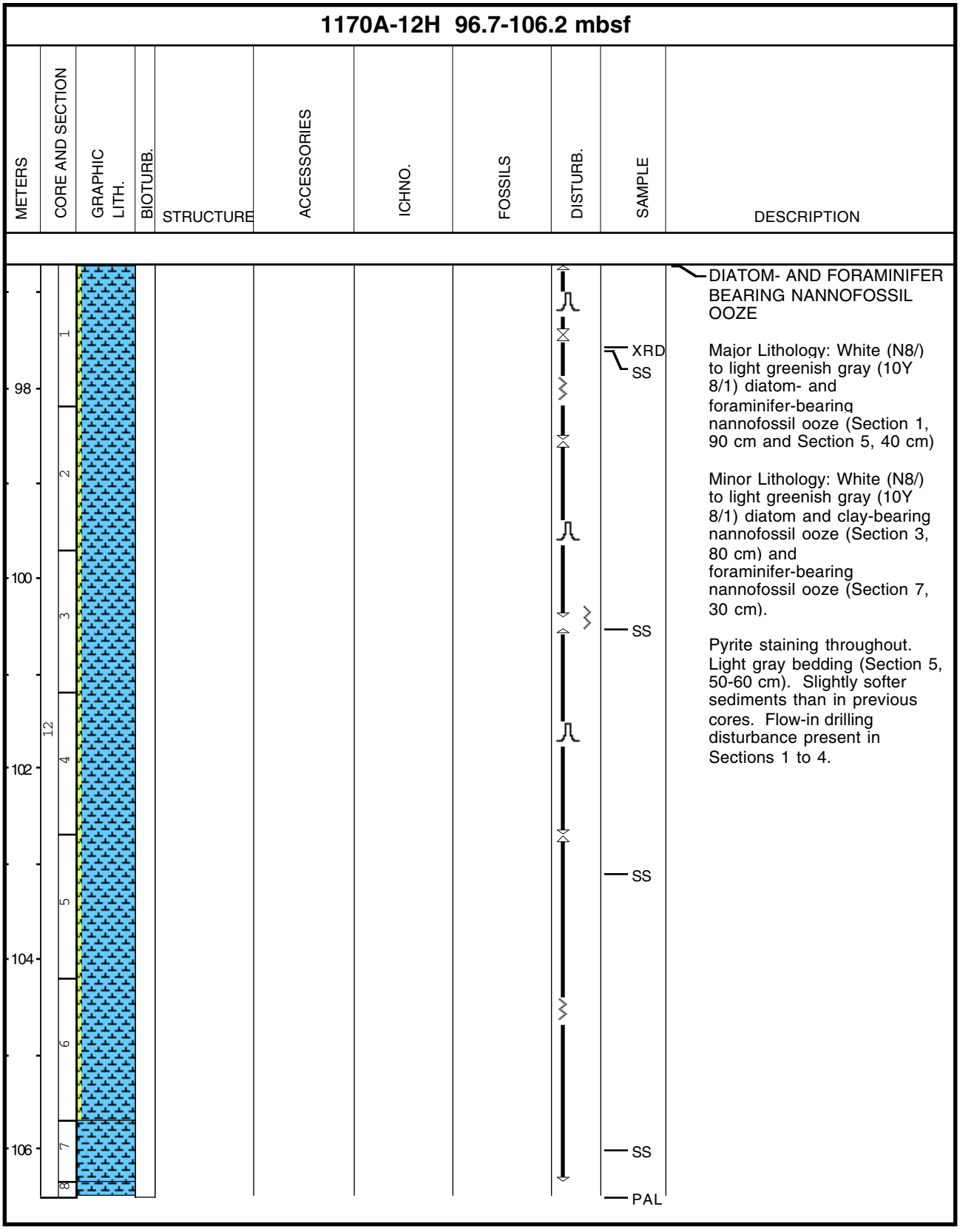
Core Photo


1170A-10H 77.7-87.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
78
80
82
84
86
10
1
2
3
4
5
6
7
Py
Py
XRD
SS
SS
SS
IW
SS
SS
PAL
NANNOFOSSIL- AND DIATOM-BEARING CLAY
Major lithology: Alternating layers of white (N8) to greenish gray (5GY 6/1), light greenish gray(10Y 7/1 to 10GY 8/1) and light olive gray (5Y 6/2) foraminifer-, diatom-, and nannofossil-bearing clay; diatom-bearing nannofossil clay; nannofossil-bearing diatom clay to nannofossil-bearing clay.
Minor lithology: Light olive gray (5Y 6/2) nannofossil-bearing clayey diatom ooze in Section 3, 70-85 cm.

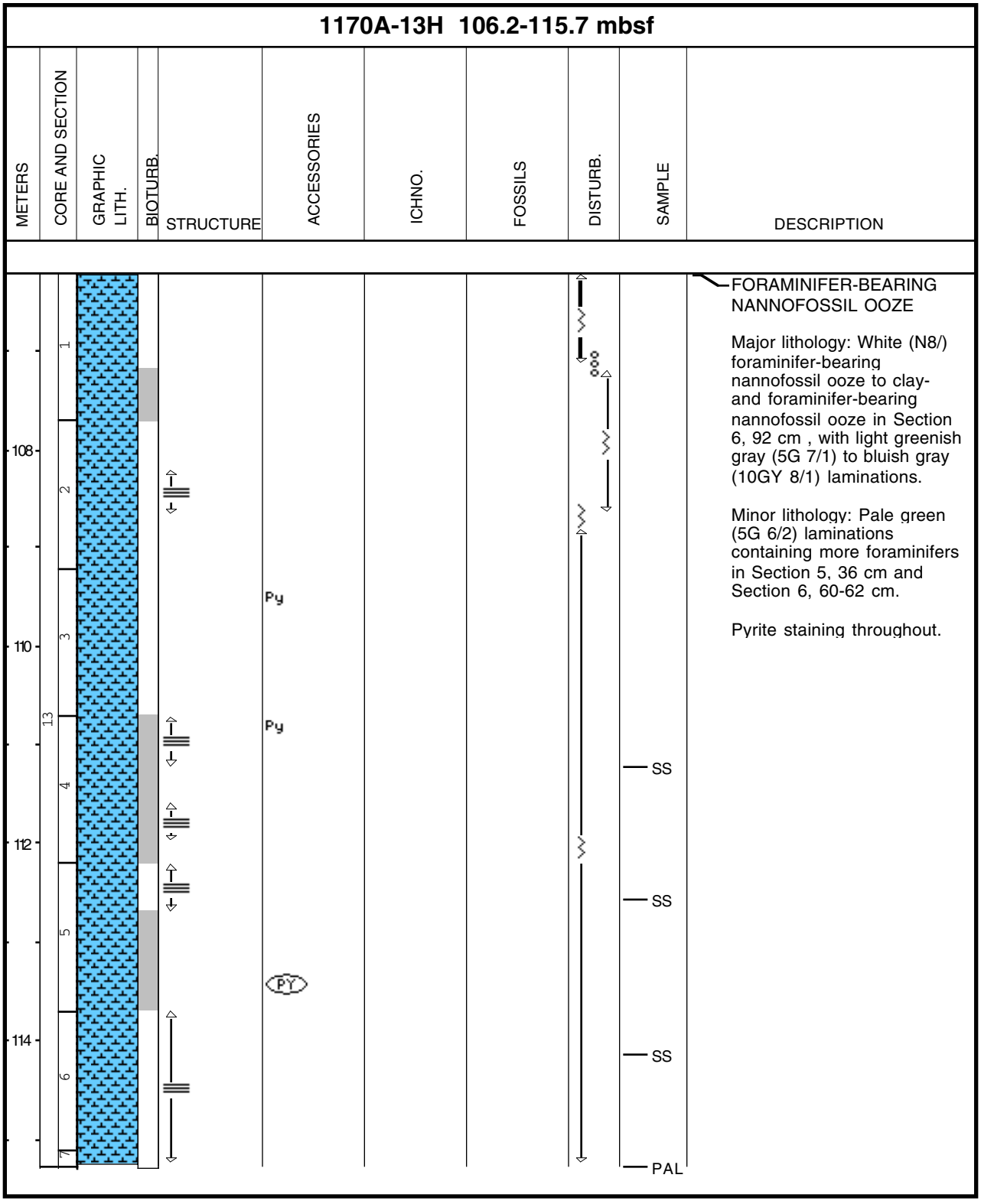
Core Photo


1170A-11H 87.2-96.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
88
90
92
94
96
1
2
3
4
5
6
7
8
11
XRD
SS
SS
IW
SS
SS
PAL
DIATOM-BEARING NANNOFOSSIL OOZE
Major Lithology: White (N 8/) diatom-bearing nannofossil ooze with greenish (5GY 6/1) mottling in Sections 1 and 4. Slight light gray (N7/) bedding throughout.
Minor Lithology: White to light greenish gray (5GY 6/1) foraminifer and diatom-bearing nannofossil ooze (Section 5, 50 cm), and diatom, foaminifer, and clay-bearing nannofossil ooze (Section 2, 64 cm).
Moderate disturbance is indicated by ~30° inclined pyrite staining and bedding. Pyrite staining throughout.

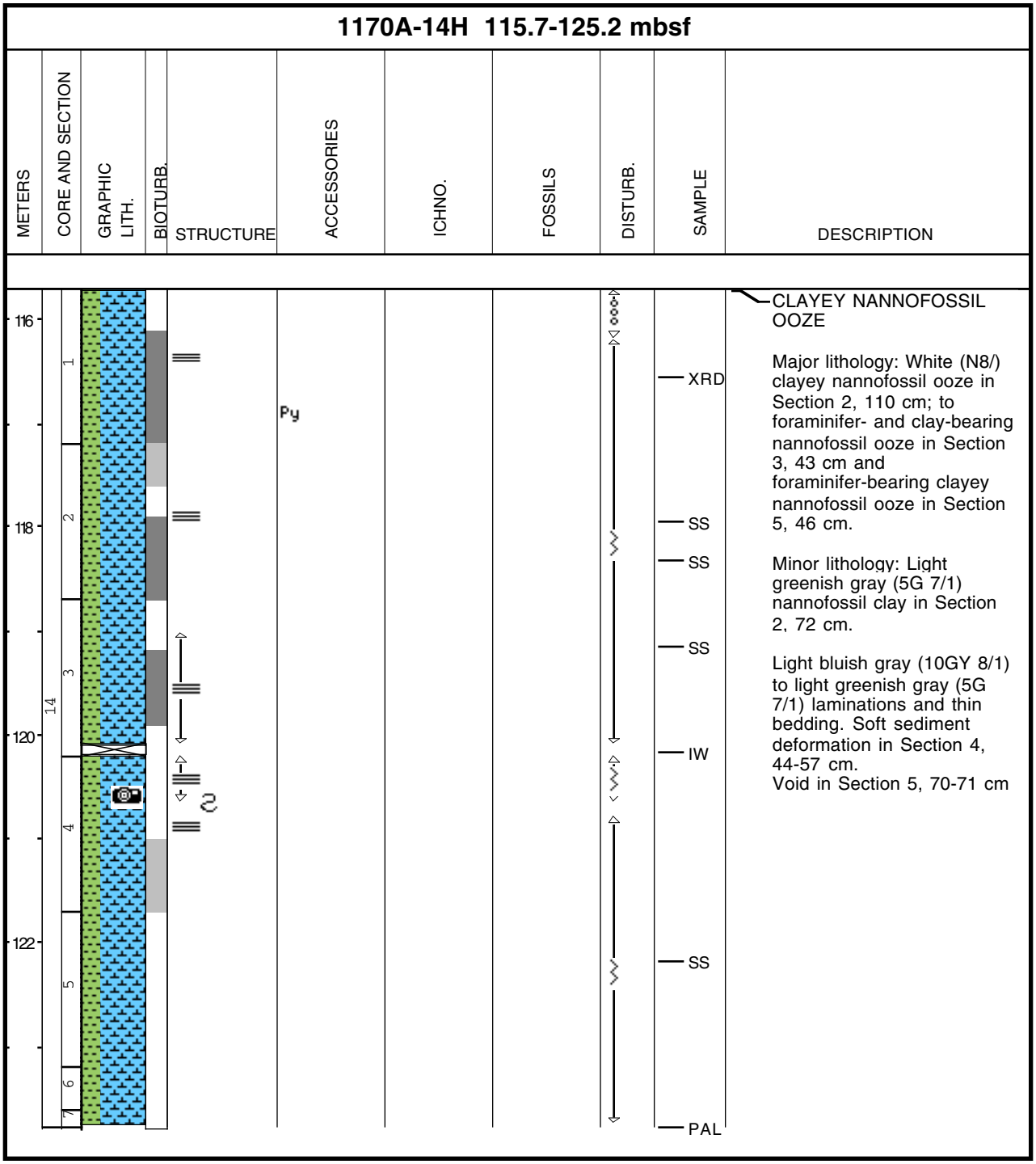
Core Photo


1170A-12H 96.7-106.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
98
100
102
104
106
12
1
2
3
4
5
6
7
8
XRD
SS
SS
SS
SS
PAL
DIATOM- AND FORAMINIFER BEARING NANNOFOSSIL OOZE
Major Lithology: White (N8/) to light greenish gray (10Y 8/1) diatom- and foraminifer-bearing nannofossil ooze (Section 1, 90 cm and Section 5, 40 cm)
Minor Lithology: White (N8/) to light greenish gray (10Y 8/1) diatom and clay-bearing nannofossil ooze (Section 3, 80 cm) and foraminifer-bearing nannofossil ooze (Section 7, 30 cm).
Pyrite staining throughout. Light gray bedding (Section 5, 50-60 cm). Slightly softer sediments than in previous cores. Flow-in drilling disturbance present in Sections 1 to 4.

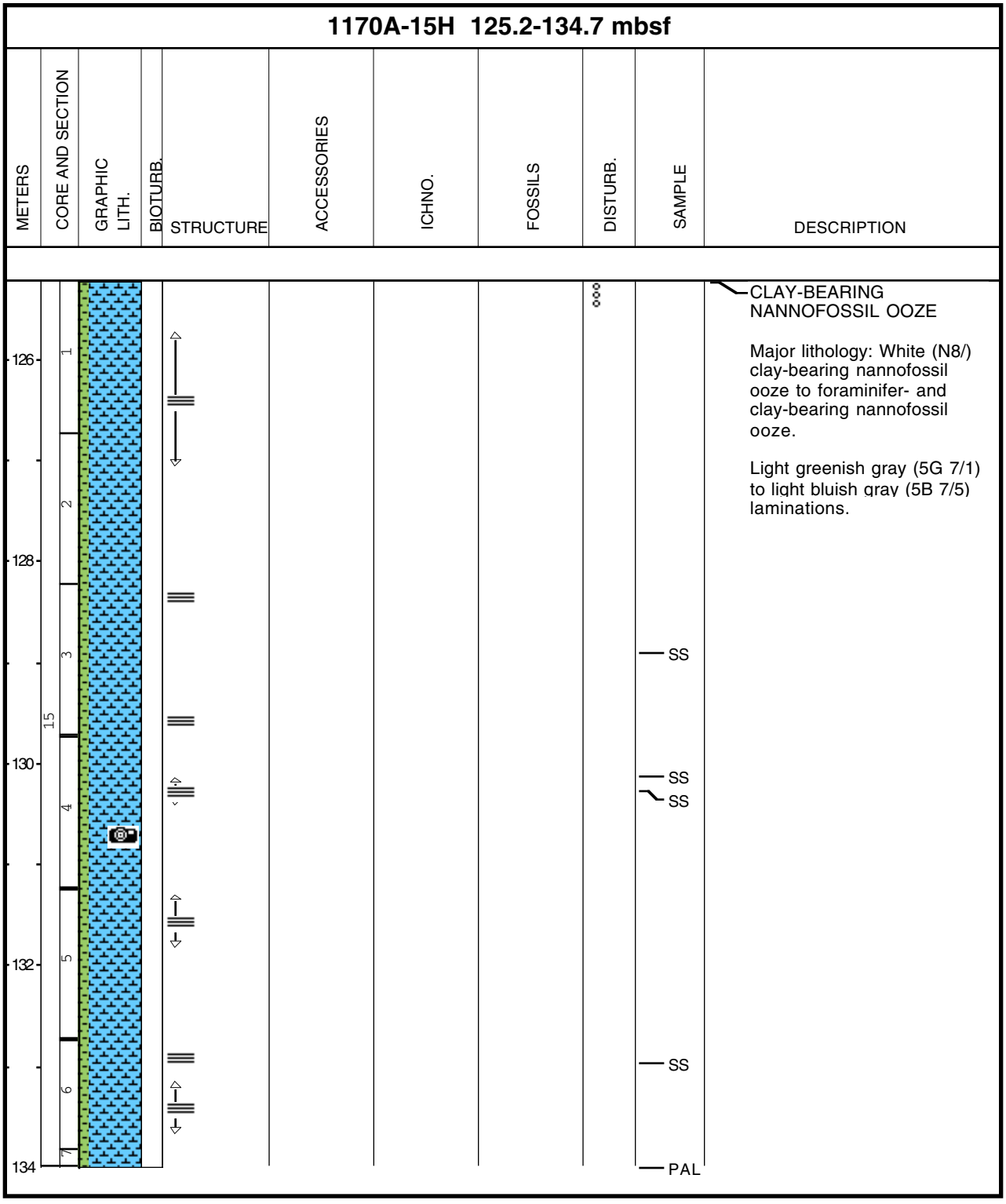
Core Photo


1170A-13H 106.2-115.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
108
110
112
114
13
1
2
3
4
5
6
7
Py
Py
PY
SS
SS
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) foraminifer-bearing nannofossil ooze to clay- and foraminifer-bearing nannofossil ooze in Section 6, 92 cm , with light greenish gray (5G 7/1) to bluish gray (10GY 8/1) laminations.
Minor lithology: Pale green (5G 6/2) laminations containing more foraminifers in Section 5, 36 cm and Section 6, 60-62 cm.
Pyrite staining throughout.

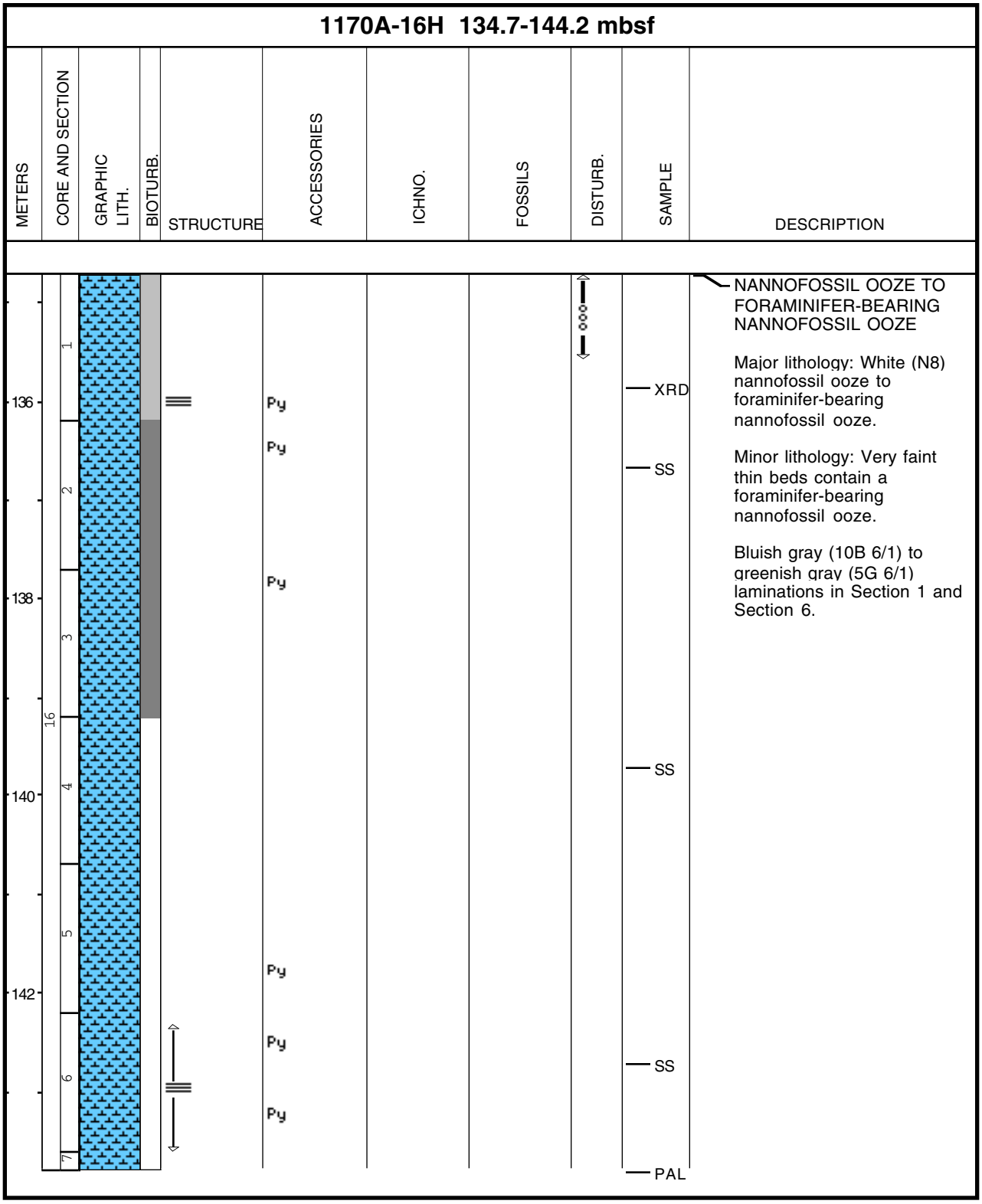
Core Photo


1170A-14H 115.7-125.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
116
118
120
122
14
1
2
3
4
5
6
7
Py
XRD
SS
SS
SS
IW
SS
PAL
CLAYEY NANNOFOSSIL OOZE
Major lithology: White (N8/) clayey nannofossil ooze in Section 2, 110 cm; to foraminifer- and clay-bearing nannofossil ooze in Section 3, 43 cm and foraminifer-bearing clayey nannofossil ooze in Section 5, 46 cm.
Minor lithology: Light greenish gray (5G 7/1) nannofossil clay in Section 2, 72 cm.
Light bluish gray (10GY 8/1) to light greenish gray (5G 7/1) laminations and thin bedding. Soft sediment deformation in Section 4, 44-57 cm.
Void in Section 5, 70-71 cm

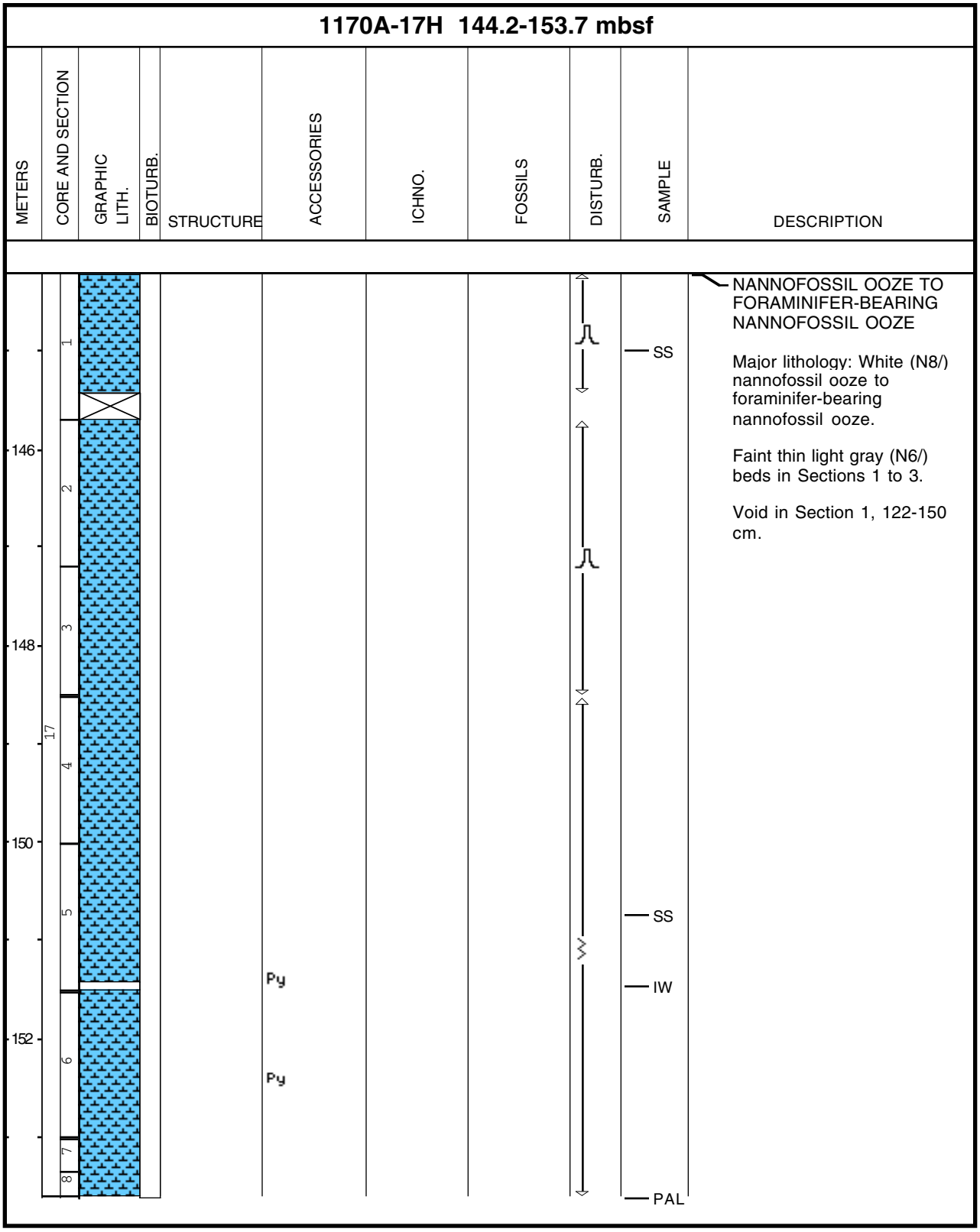
Core Photo


1170A-15H 125.2-134.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
126
128
130
132
134
15
1
2
3
4
5
6
7
SS
SS
SS
SS
PAL
CLAY-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) clay-bearing nannofossil ooze to foraminifer- and clay-bearing nannofossil ooze.
Light greenish gray (5G 7/1) to light bluish gray (5B 7/5) laminations.

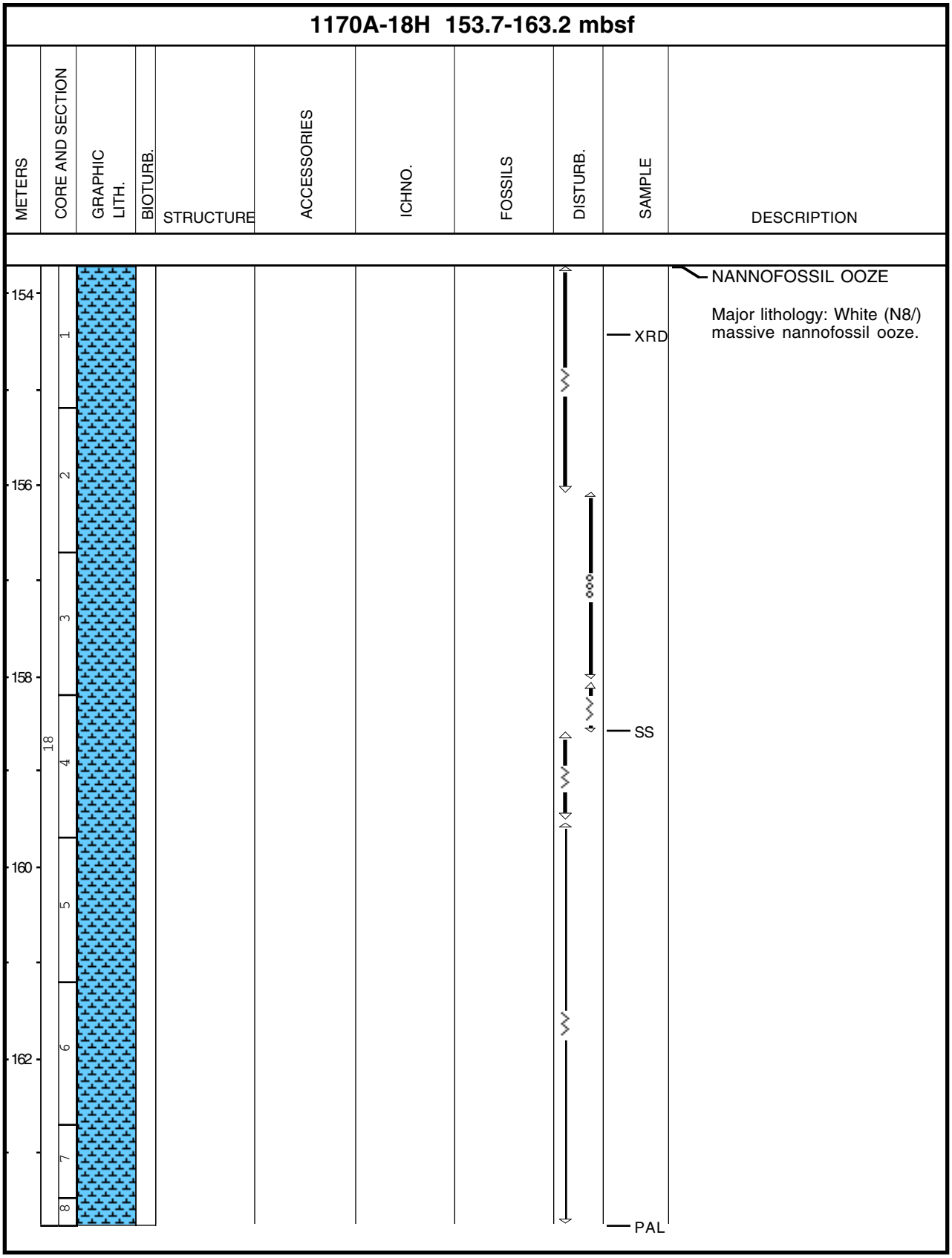
Core Photo


1170A-16H 134.7-144.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
136
138
140
142
16
1
2
3
4
5
6
7
Py
Py
Py
Py
Py
Py
XRD
SS
SS
SS
PAL
NANNOFOSSIL OOZE TO FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8) nannofossil ooze to foraminifer-bearing nannofossil ooze.
Minor lithology: Very faint thin beds contain a foraminifer-bearing nannofossil ooze.
Bluish gray (10B 6/1) to greenish gray (5G 6/1) laminations in Section 1 and Section 6.

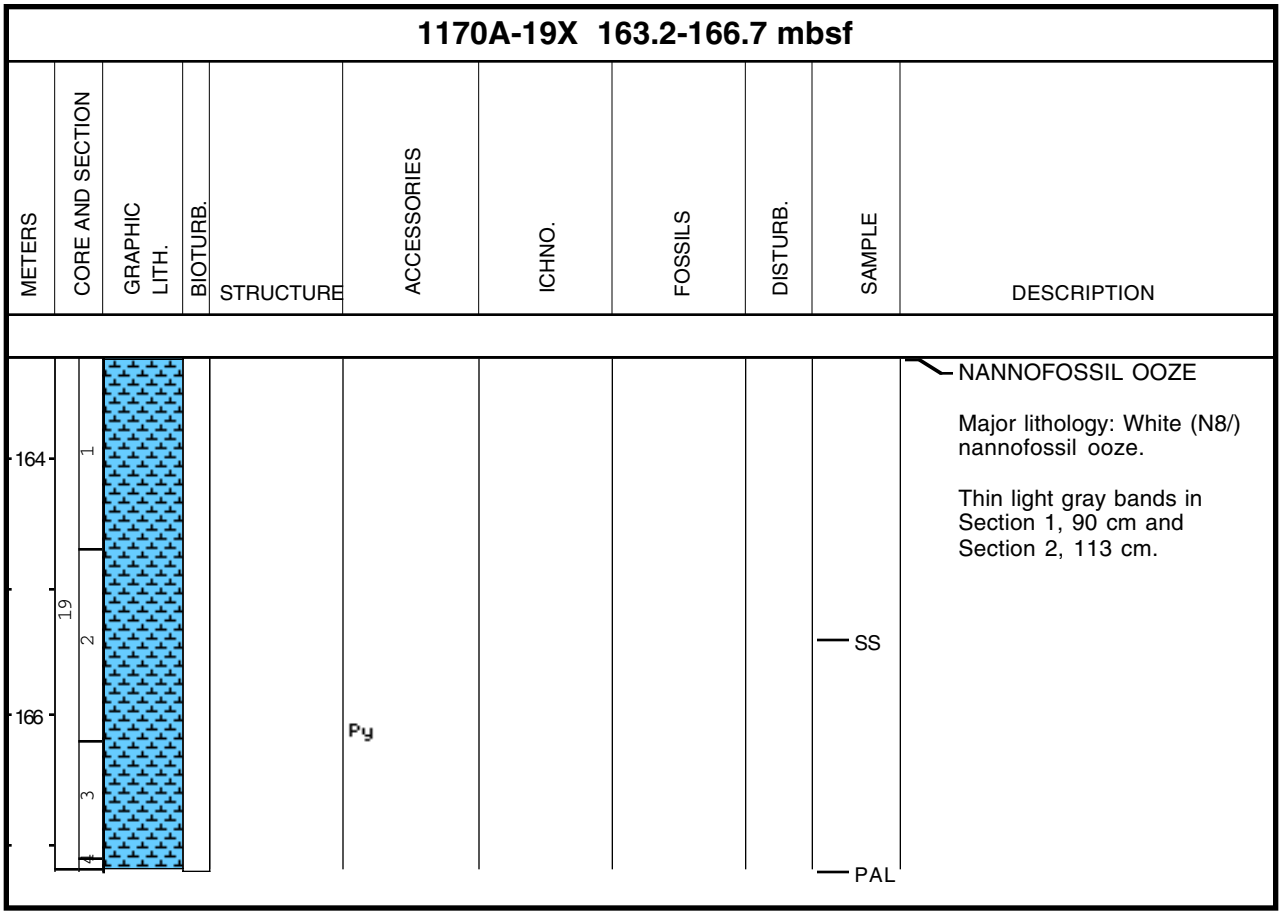
Core Photo


1170A-17H 144.2-153.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
146
148
150
152
17
1
2
3
4
5
6
7
8
Py
Py
SS
SS
IW
PAL
NANNOFOSSIL OOZE TO FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) nannofossil ooze to foraminifer-bearing nannofossil ooze.
Faint thin light gray (N6/) beds in Sections 1 to 3.
Void in Section 1, 122-150 cm.

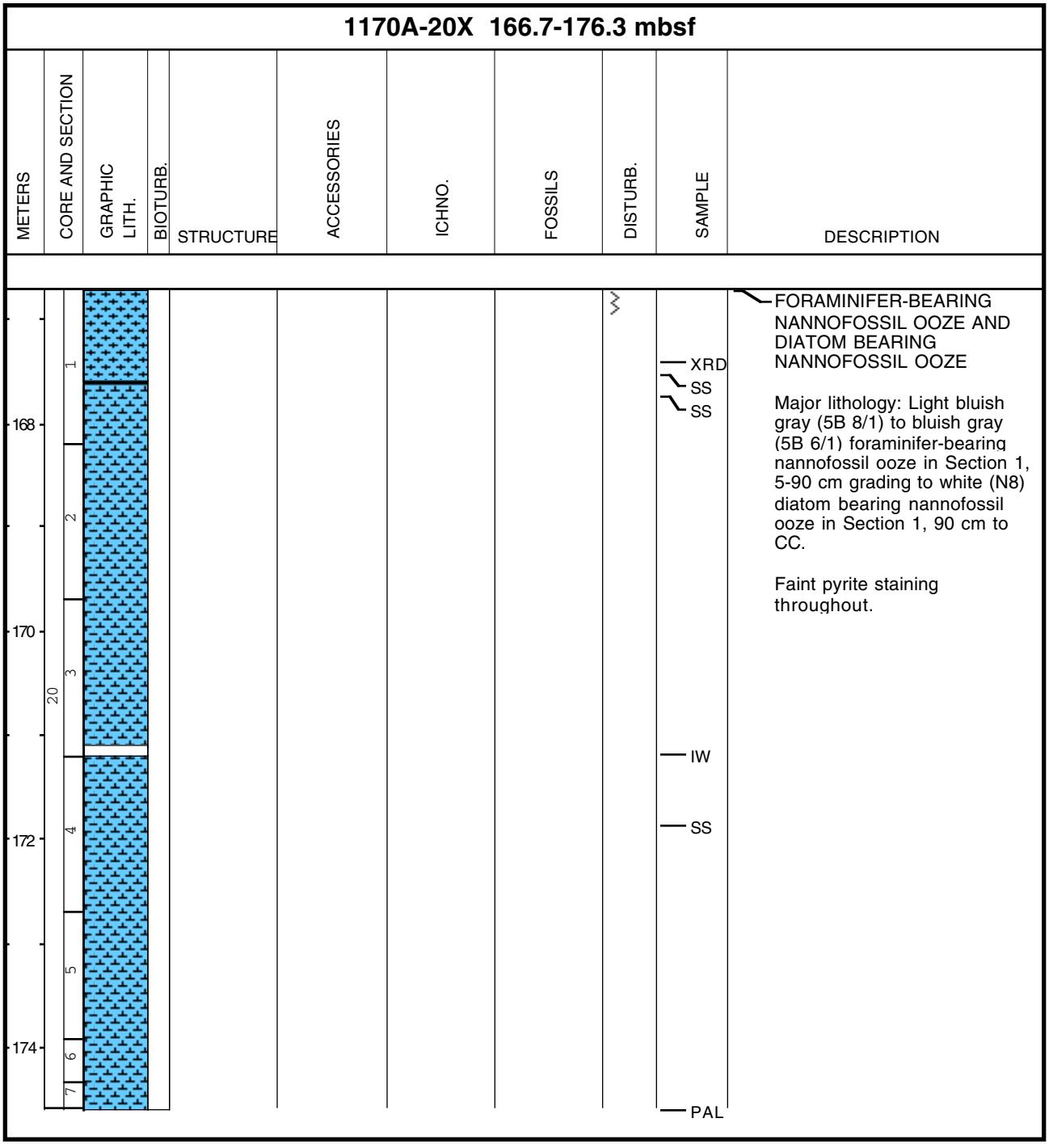
Core Photo


1170A-18H 153.7-163.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
154
156
158
160
162
18
1
2
3
4
5
6
7
8
XRD
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N8/) massive nannofossil ooze.

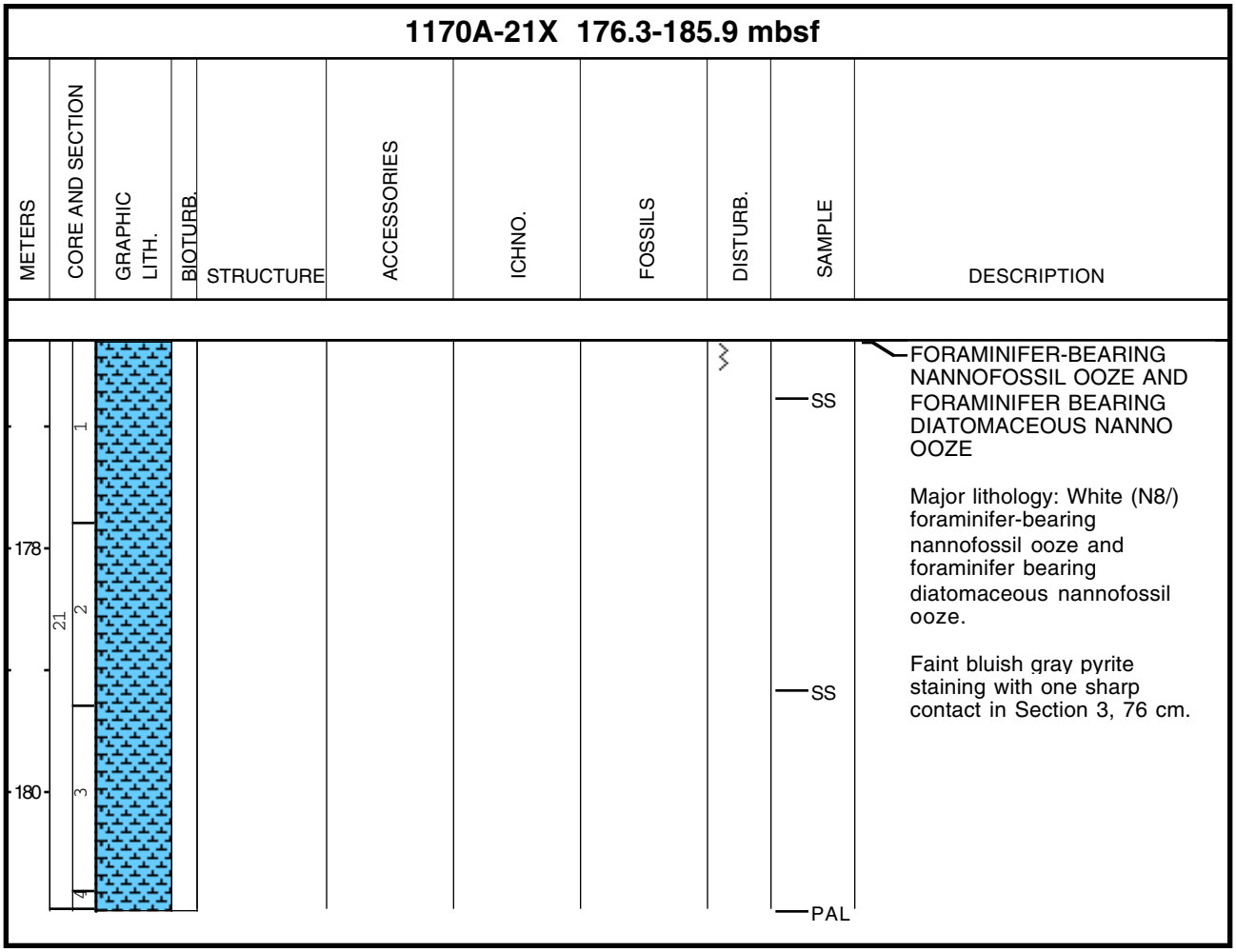
Core Photo


1170A-19X 163.2-166.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
164
166
19
1
2
3
4
Py
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N8/) nannofossil ooze.
Thin light gray bands in Section 1, 90 cm and Section 2, 113 cm.

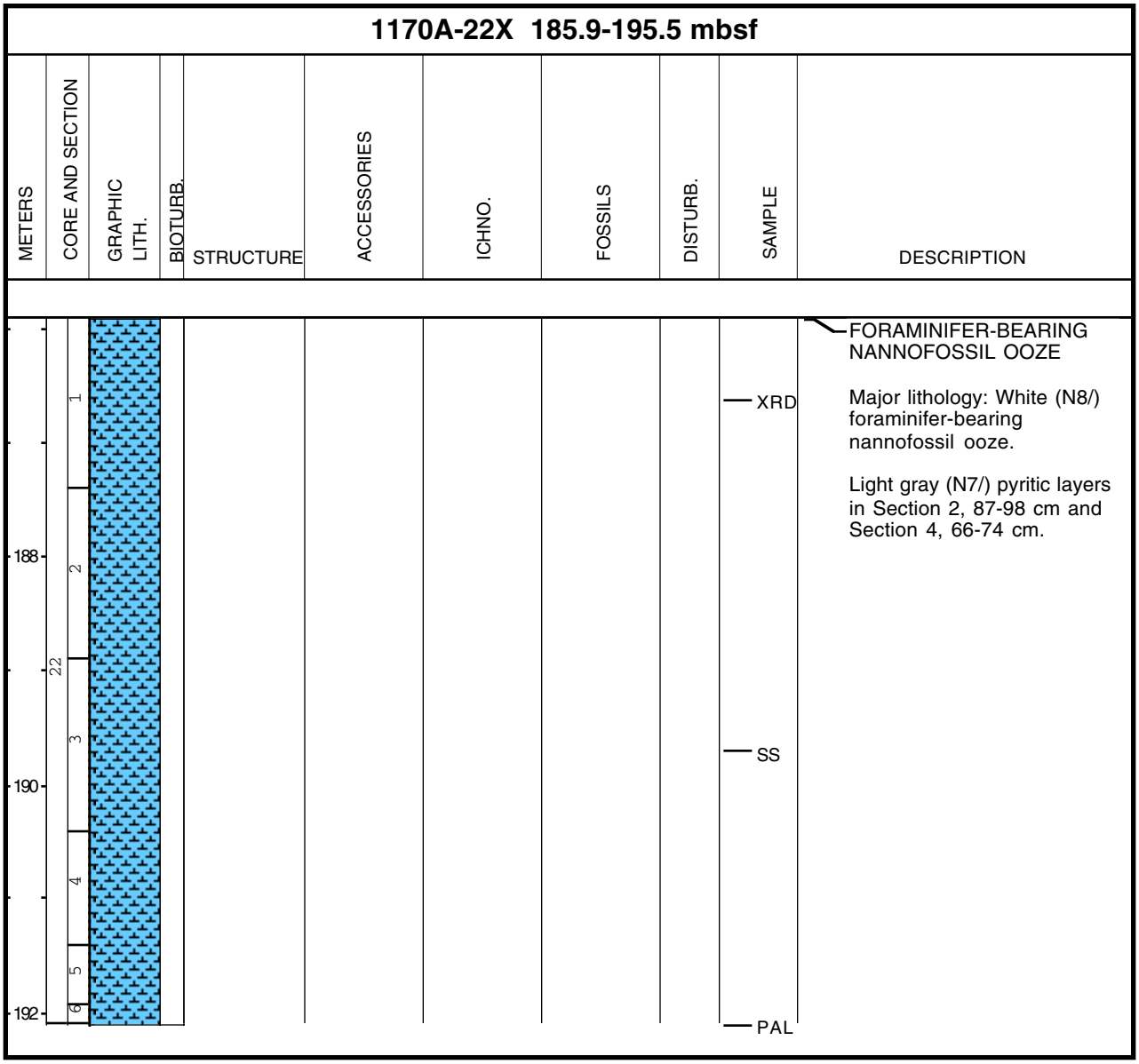
Core Photo


1170A-20X 166.7-176.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
168
170
172
174
20
1
2
3
4
5
6
7
XRD
SS
SS
IW
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE AND DIATOM BEARING NANNOFOSSIL OOZE
Major lithology: Light bluish gray (5B 8/1) to bluish gray (5B 6/1) foraminifer-bearing nannofossil ooze in Section 1, 5-90 cm grading to white (N8) diatom bearing nannofossil ooze in Section 1, 90 cm to CC.
Faint pyrite staining throughout.

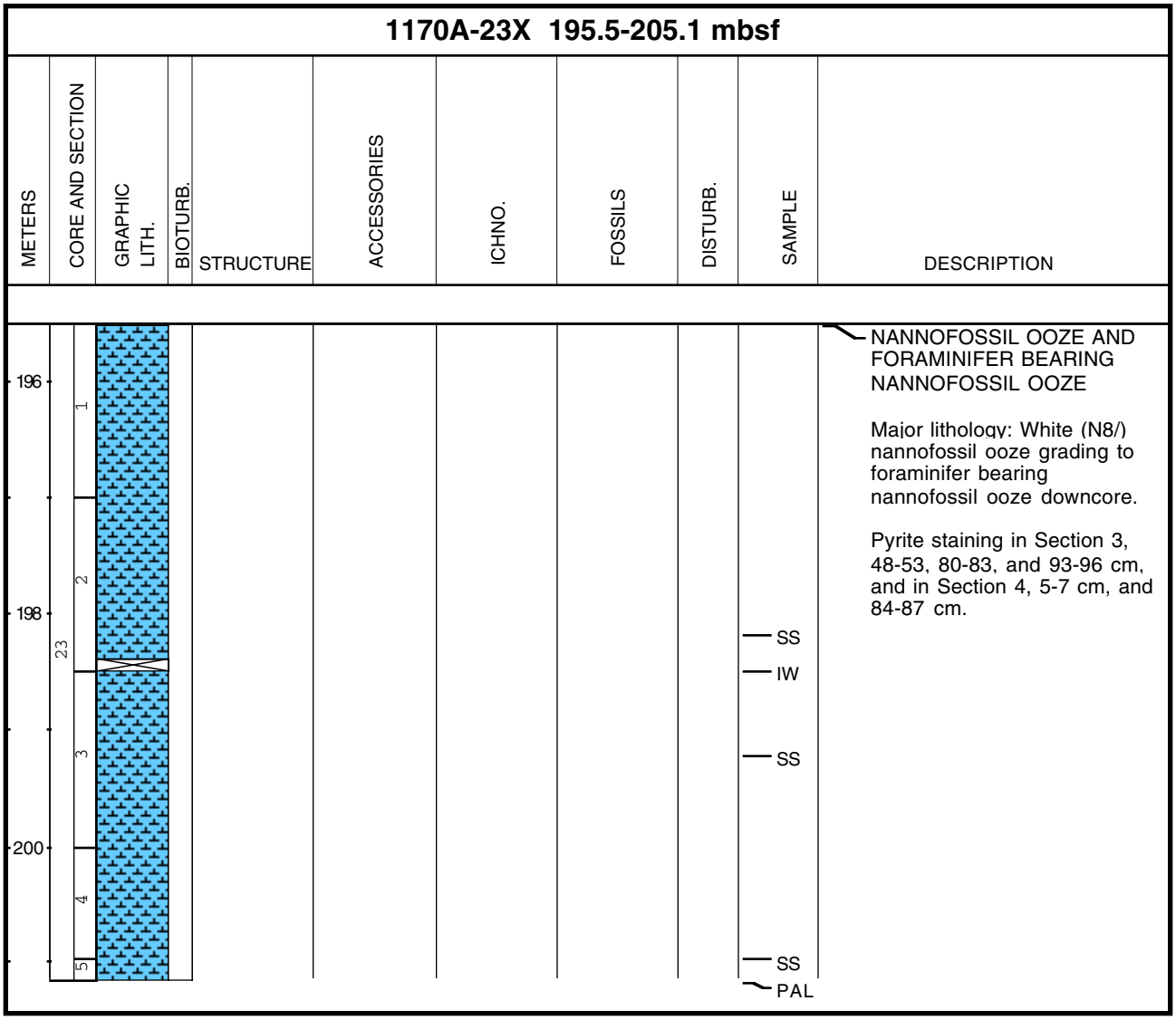
Core Photo


1170A-21X 176.3-185.9 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
178
180
21
1
2
3
4
SS
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE AND FORAMINIFER BEARING DIATOMACEOUS NANNO OOZE
Major lithology: White (N8/) foraminifer-bearing nannofossil ooze and foraminifer bearing diatomaceous nannofossil ooze.
Faint bluish gray pyrite staining with one sharp contact in Section 3, 76 cm.

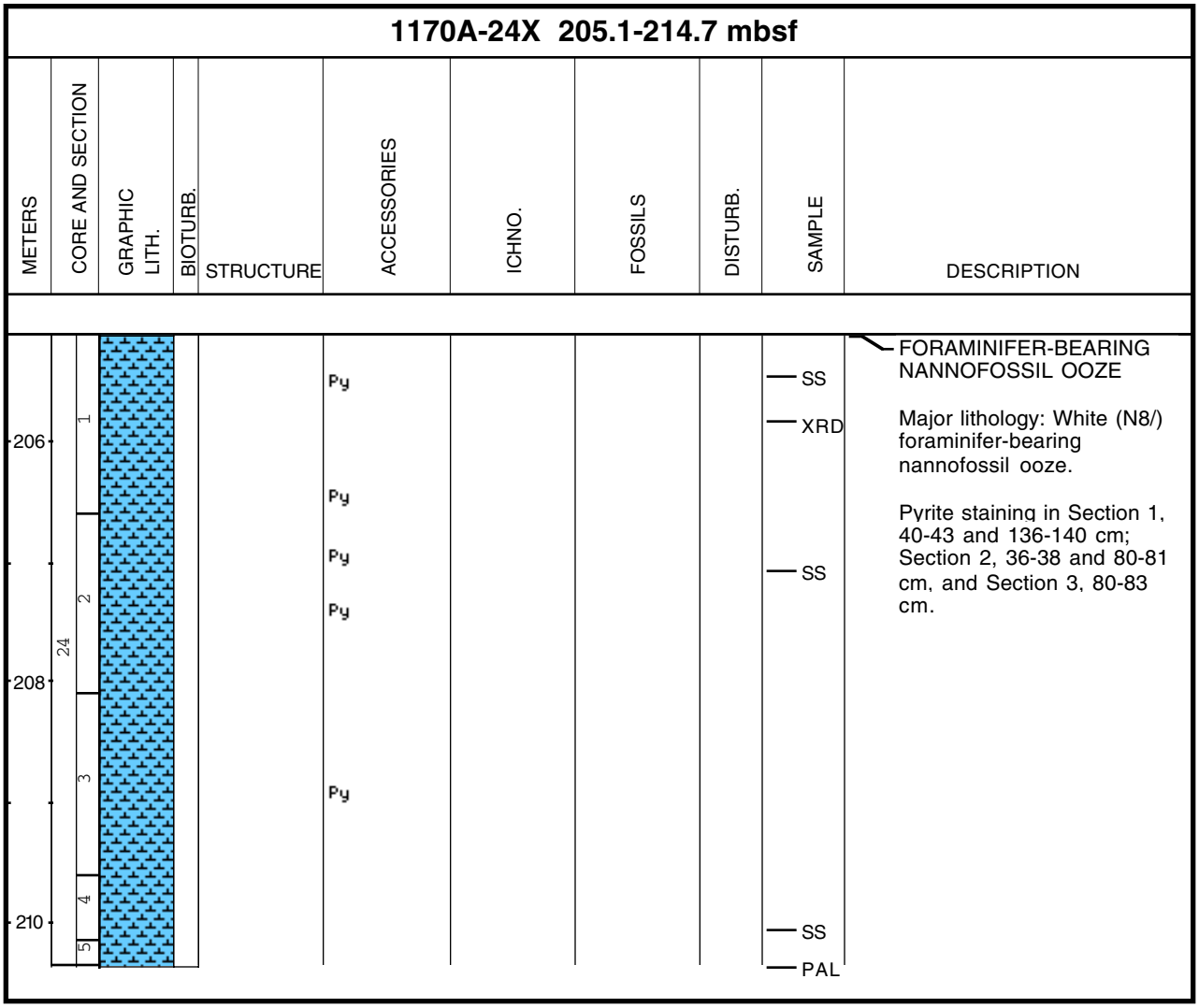
Core Photo


1170A-22X 185.9-195.5 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
188
190
192
22
1
2
3
4
5
6
XRD
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) foraminifer-bearing nannofossil ooze.
Light gray (N7/) pyritic layers in Section 2, 87-98 cm and Section 4, 66-74 cm.

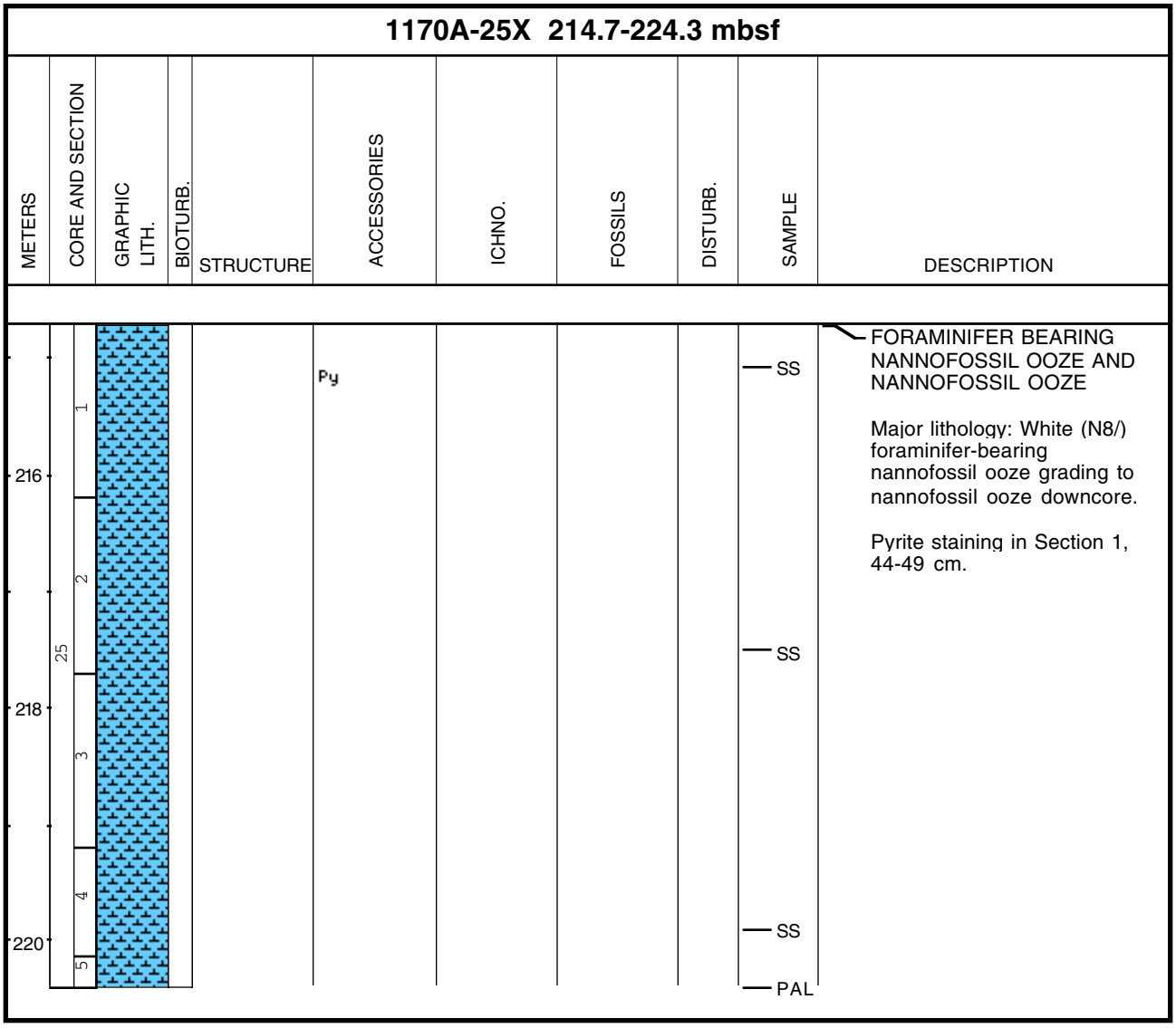
Core Photo


1170A-23X 195.5-205.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
196
198
200
23
1
2
3
4
5
SS
IW
SS
SS
PAL
NANNOFOSSIL OOZE AND FORAMINIFER BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) nannofossil ooze grading to foraminifer bearing nannofossil ooze downcore.
Pyrite staining in Section 3, 48-53, 80-83, and 93-96 cm, and in Section 4, 5-7 cm, and 84-87 cm.

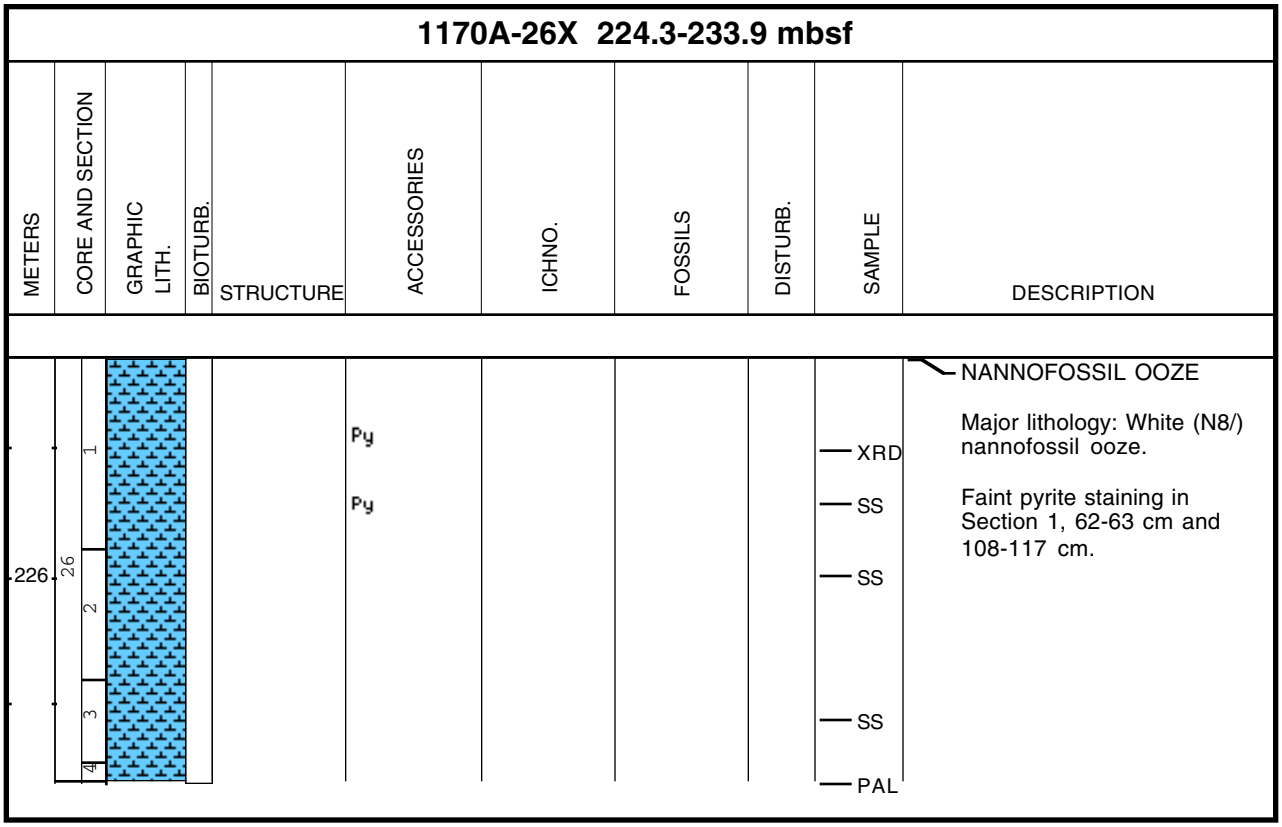
Core Photo


1170A-24X 205.1-214.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
206
208
210
24
1
2
3
4
5
Py
Py
Py
Py
Py
SS
XRD
SS
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) foraminifer-bearing nannofossil ooze.
Pyrite staining in Section 1, 40-43 and 136-140 cm; Section 2, 36-38 and 80-81 cm, and Section 3, 80-83 cm.

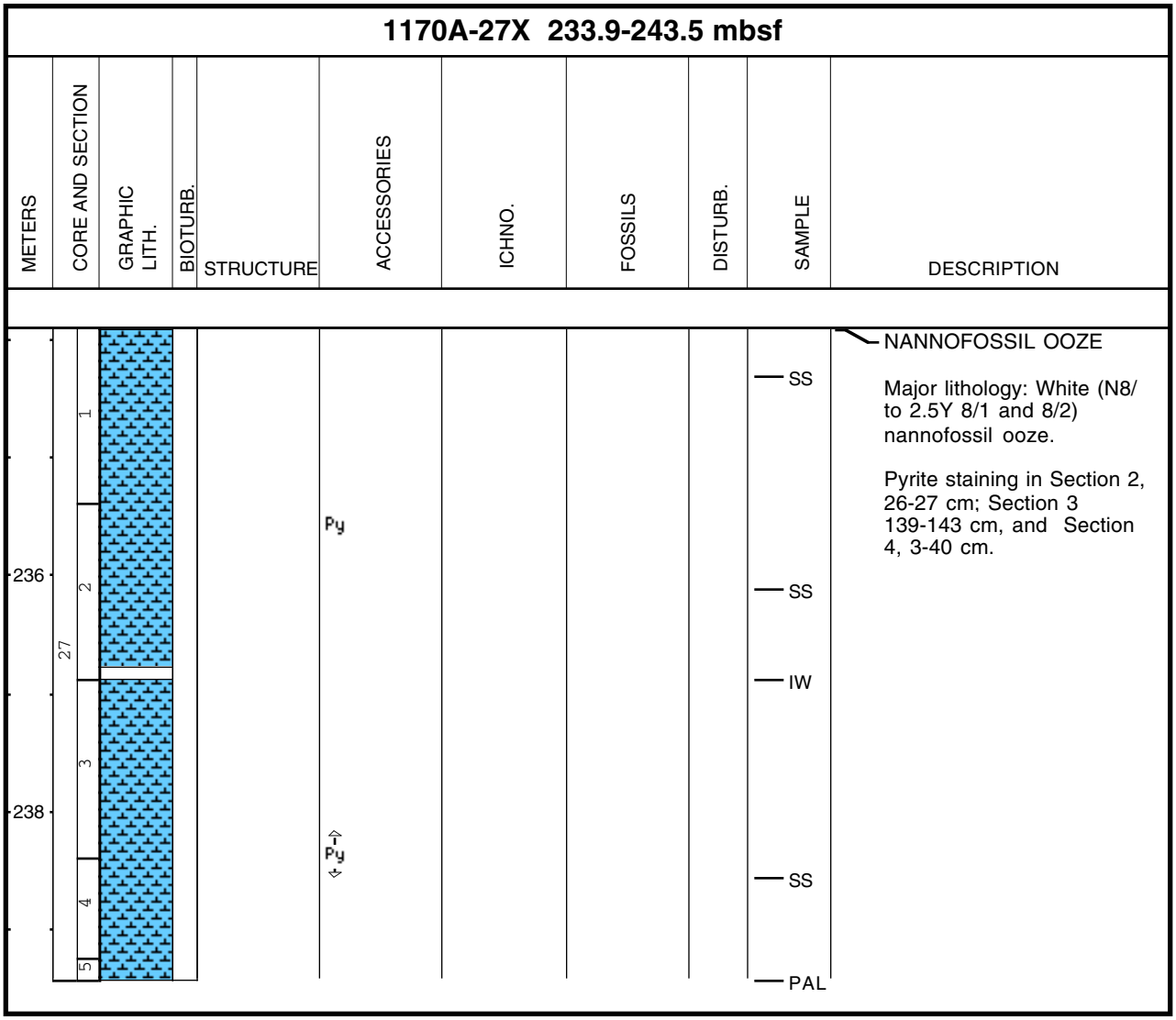
Core Photo


1170A-25X 214.7-224.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
216
218
220
25
1
2
3
4
5
Py
SS
SS
SS
PAL
FORAMINIFER BEARING NANNOFOSSIL OOZE AND NANNOFOSSIL OOZE
Major lithology: White (N8/) foraminifer-bearing nannofossil ooze grading to nannofossil ooze downcore.
Pyrite staining in Section 1, 44-49 cm.

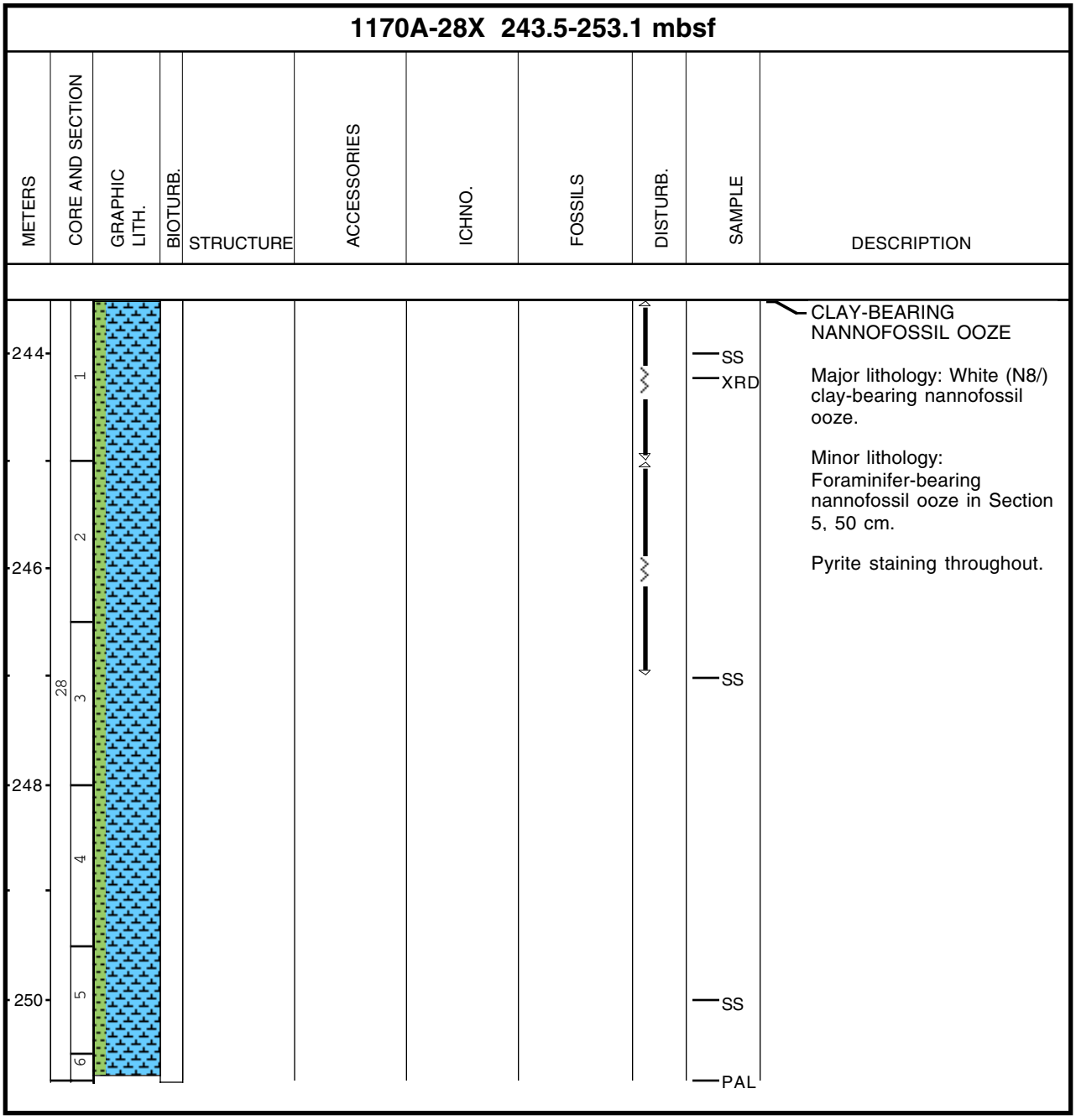
Core Photo


1170A-26X 224.3-233.9 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
226
26
1
2
3
4
Py
Py
XRD
SS
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N8/) nannofossil ooze.
Faint pyrite staining in Section 1, 62-63 cm and 108-117 cm.

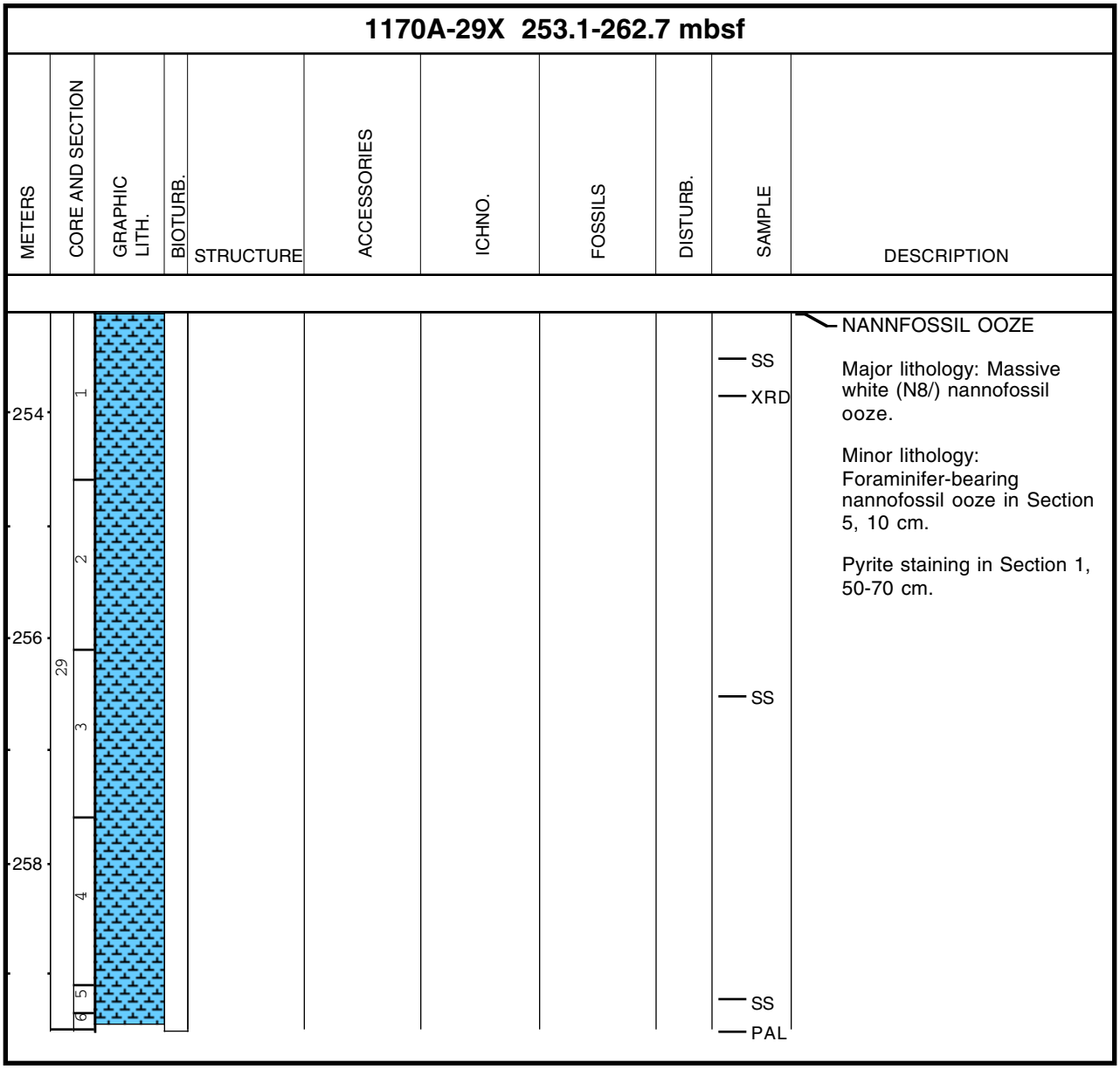
Core Photo


1170A-27X 233.9-243.5 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
236
238
27
1
2
3
4
5
Py
Py
SS
SS
IW
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N8/ to 2.5Y 8/1 and 8/2) nannofossil ooze.
Pyrite staining in Section 2, 26-27 cm; Section 3 139-143 cm, and Section 4, 3-40 cm.

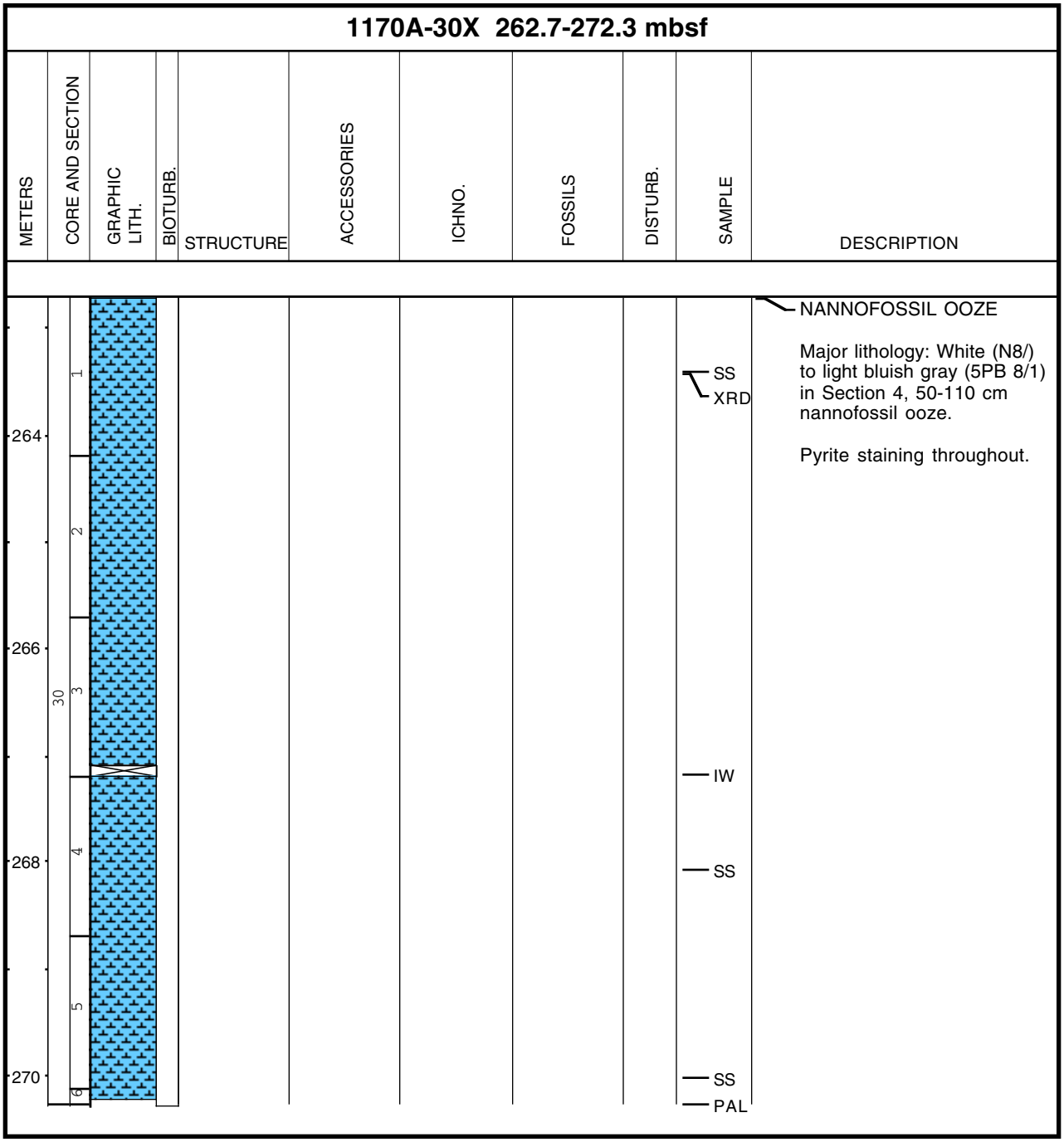
Core Photo


1170A-28X 243.5-253.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
244
246
248
250
28
1
2
3
4
5
6
SS
XRD
SS
SS
PAL
CLAY-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) clay-bearing nannofossil ooze.
Minor lithology: Foraminifer-bearing nannofossil ooze in Section 5, 50 cm.
Pyrite staining throughout.

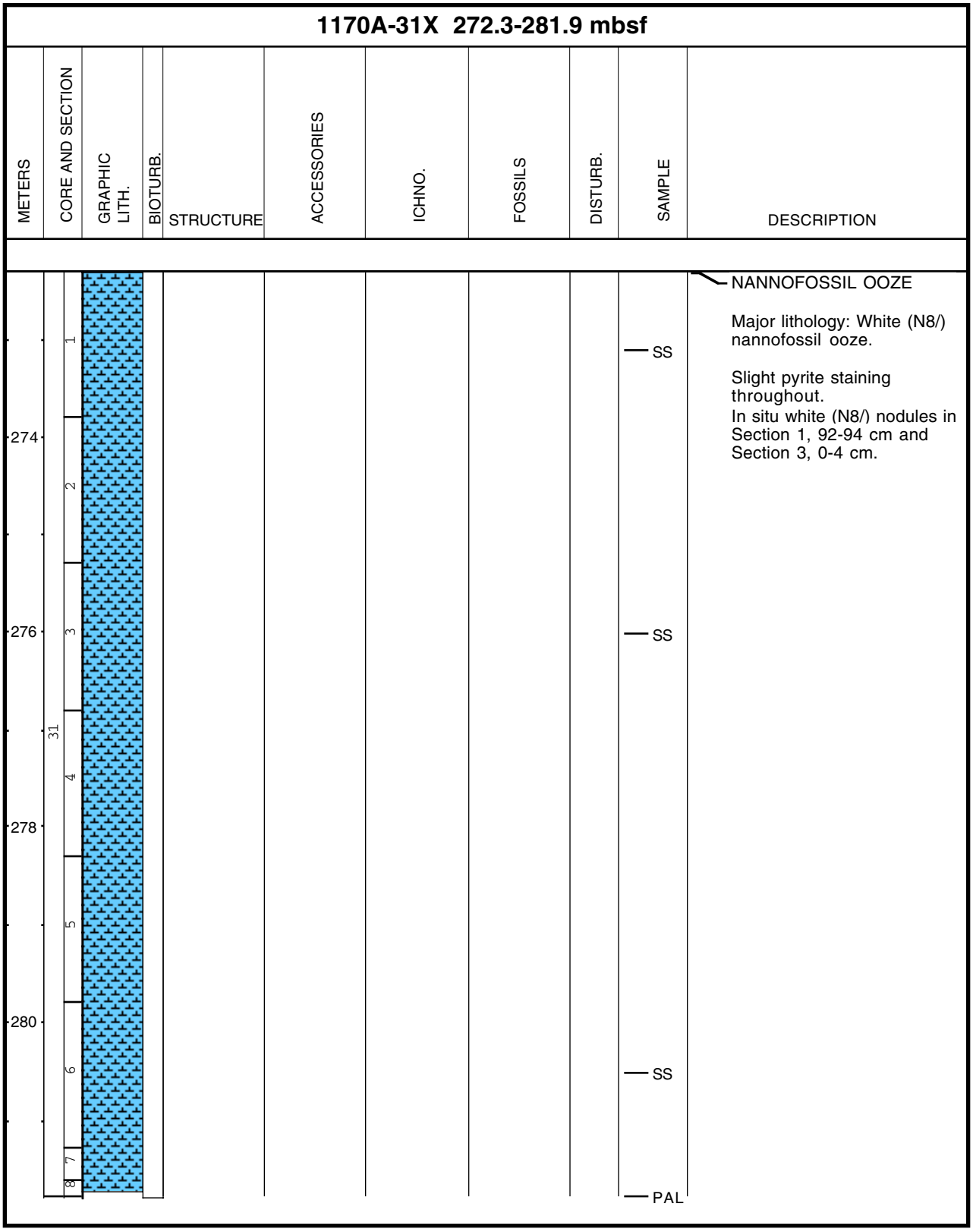
Core Photo


1170A-29X 253.1-262.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
254
256
258
29
1
2
3
4
5
6
SS
XRD
SS
SS
PAL
NANNFOSSIL OOZE
Major lithology: Massive white (N8/) nannofossil ooze.
Minor lithology: Foraminifer-bearing nannofossil ooze in Section 5, 10 cm.
Pyrite staining in Section 1, 50-70 cm.

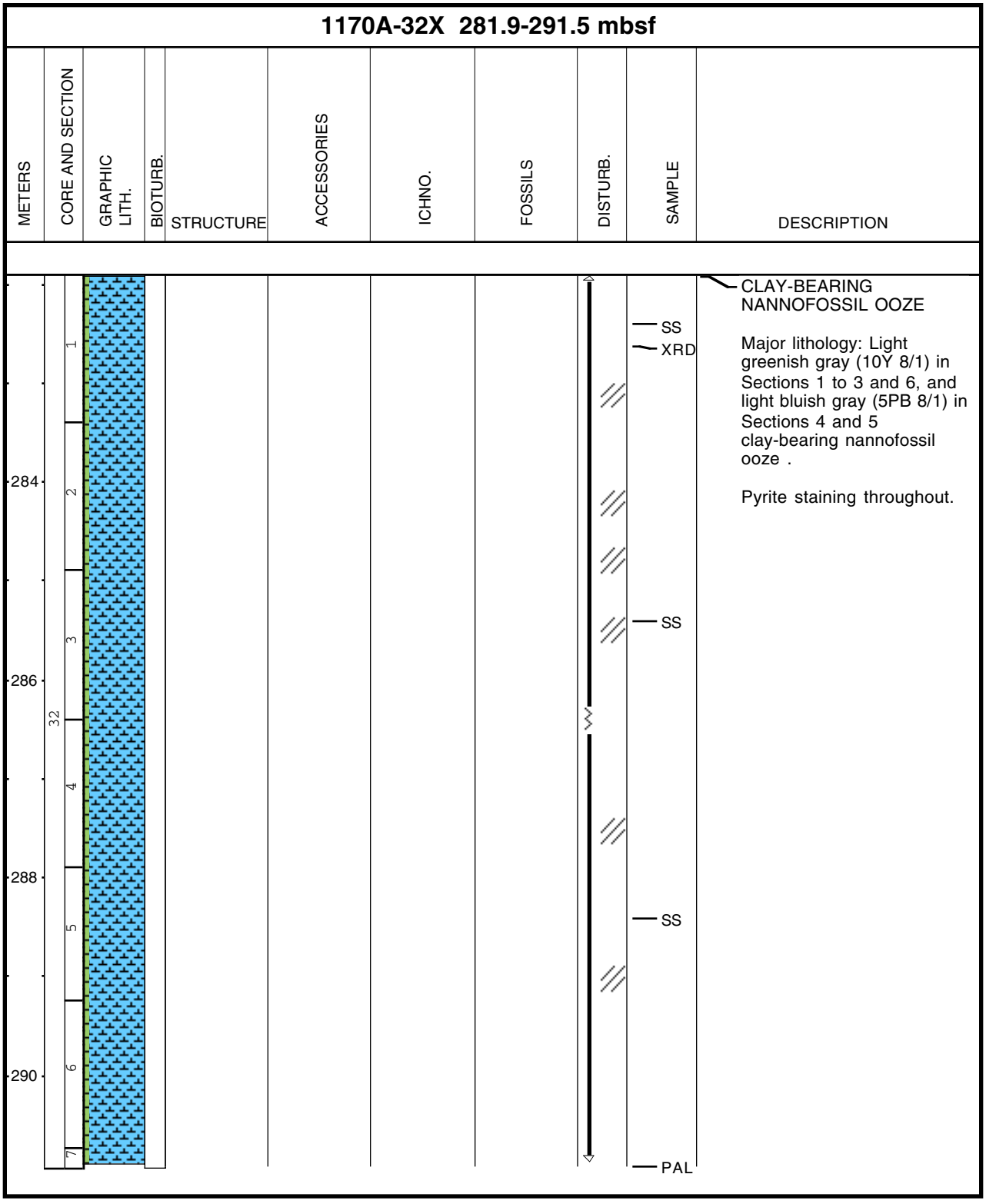
Core Photo


1170A-30X 262.7-272.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
264
266
268
270
30
1
2
3
4
5
6
SS
XRD
IW
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N8/) to light bluish gray (5PB 8/1) in Section 4, 50-110 cm nannofossil ooze.
Pyrite staining throughout.

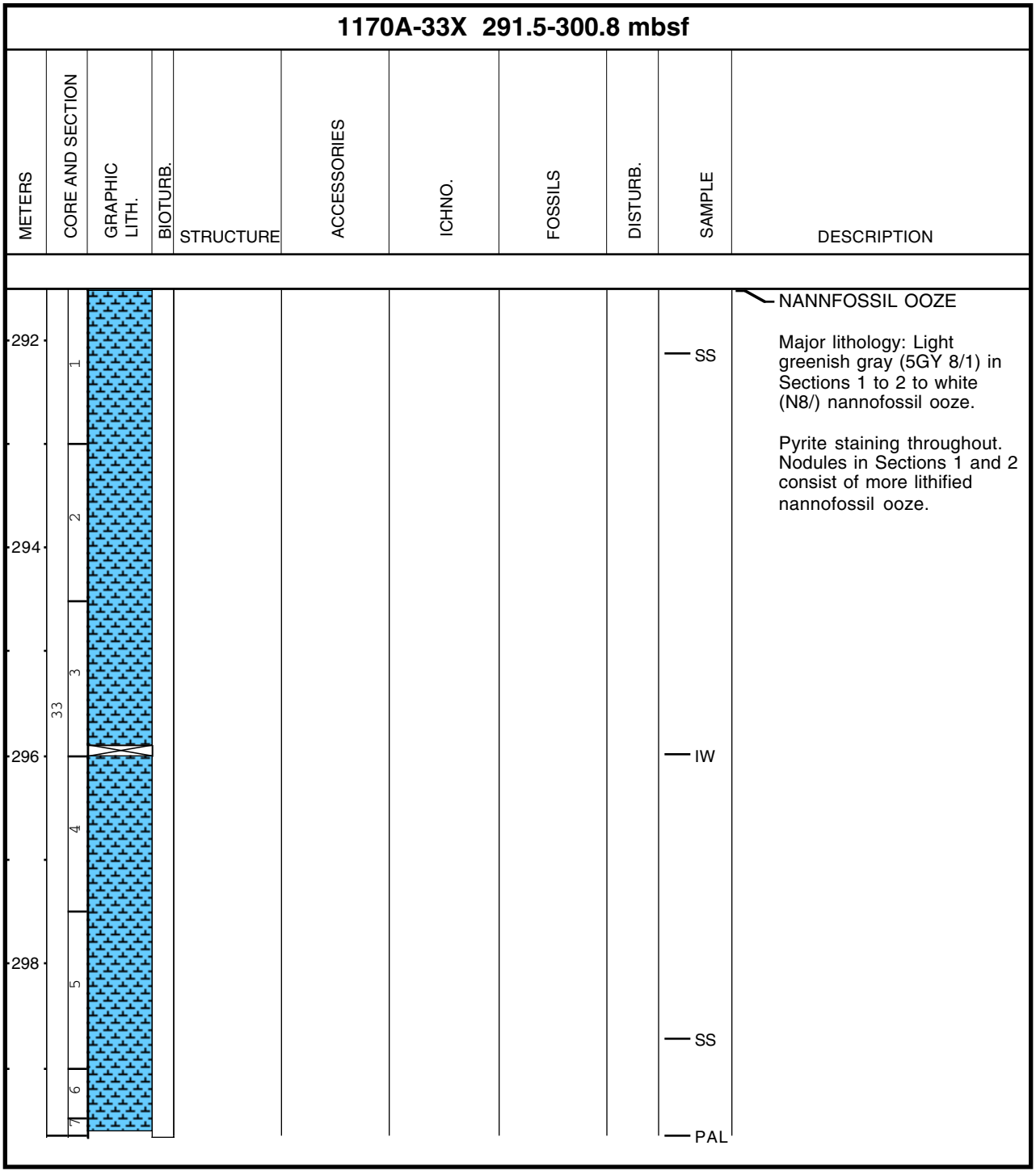
Core Photo


1170A-31X 272.3-281.9 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
274
276
278
280
31
1
2
3
4
5
6
7
8
SS
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N8/) nannofossil ooze.
Slight pyrite staining throughout.
In situ white (N8/) nodules in Section 1, 92-94 cm and Section 3, 0-4 cm.

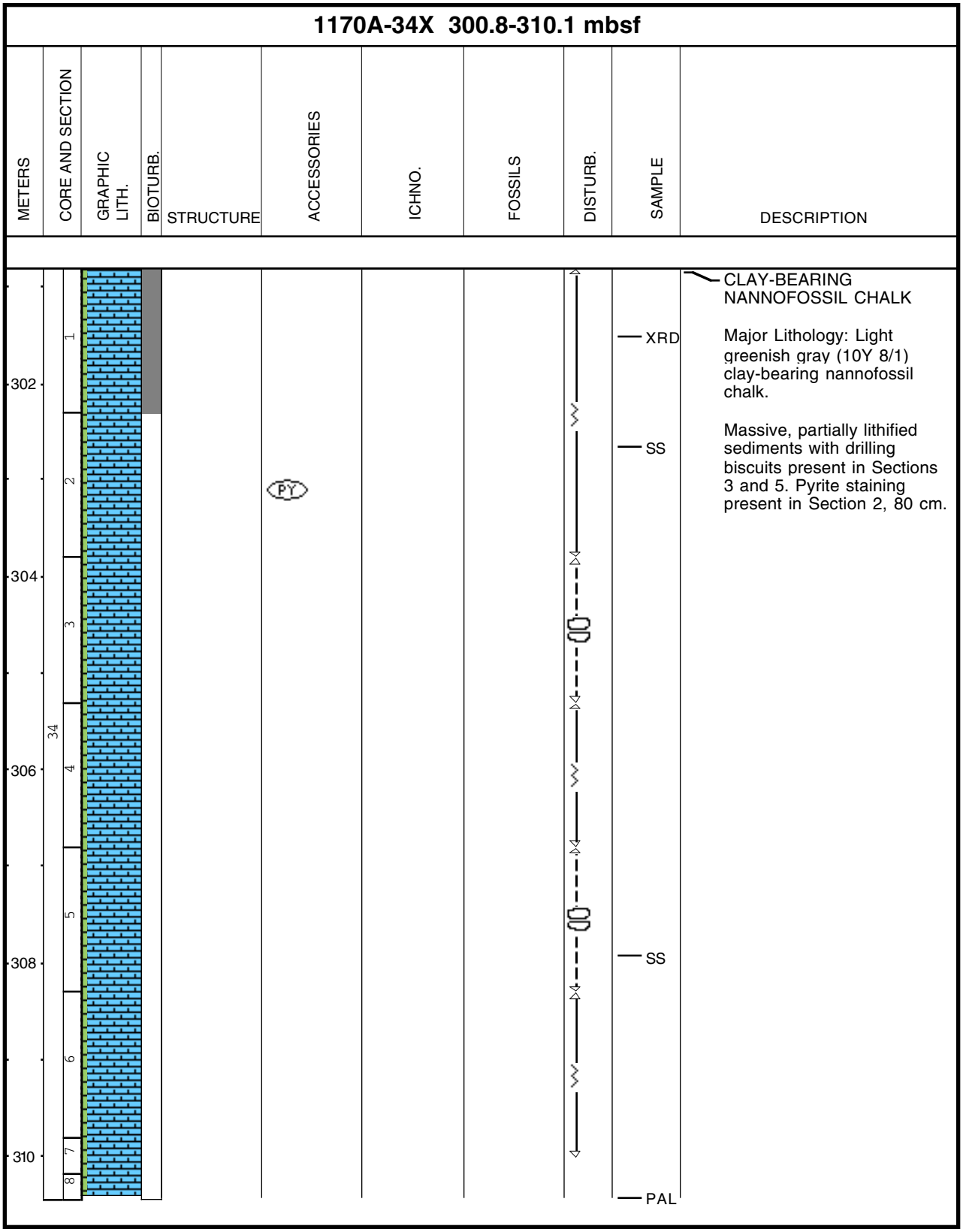
Core Photo


1170A-32X 281.9-291.5 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
284
286
288
290
32
1
2
3
4
5
6
7
SS
XRD
SS
SS
PAL
CLAY-BEARING NANNOFOSSIL OOZE
Major lithology: Light greenish gray (10Y 8/1) in Sections 1 to 3 and 6, and light bluish gray (5PB 8/1) in Sections 4 and 5 clay-bearing nannofossil ooze .
Pyrite staining throughout.

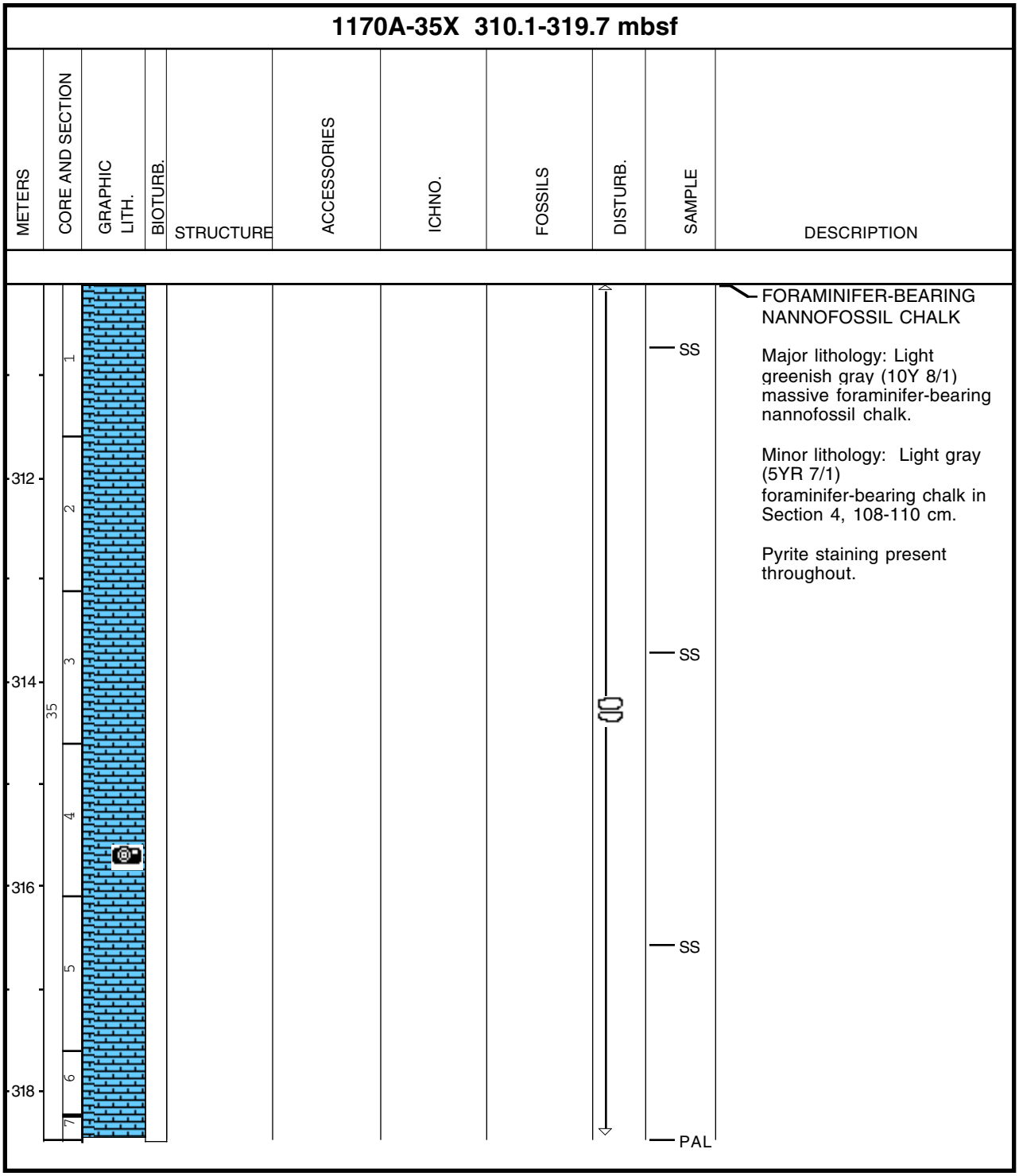
Core Photo


1170A-33X 291.5-300.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
292
294
296
298
33
1
2
3
4
5
6
7
SS
IW
SS
PAL
NANNFOSSIL OOZE
Major lithology: Light greenish gray (5GY 8/1) in Sections 1 to 2 to white (N8/) nannofossil ooze.
Pyrite staining throughout. Nodules in Sections 1 and 2 consist of more lithified nannofossil ooze.

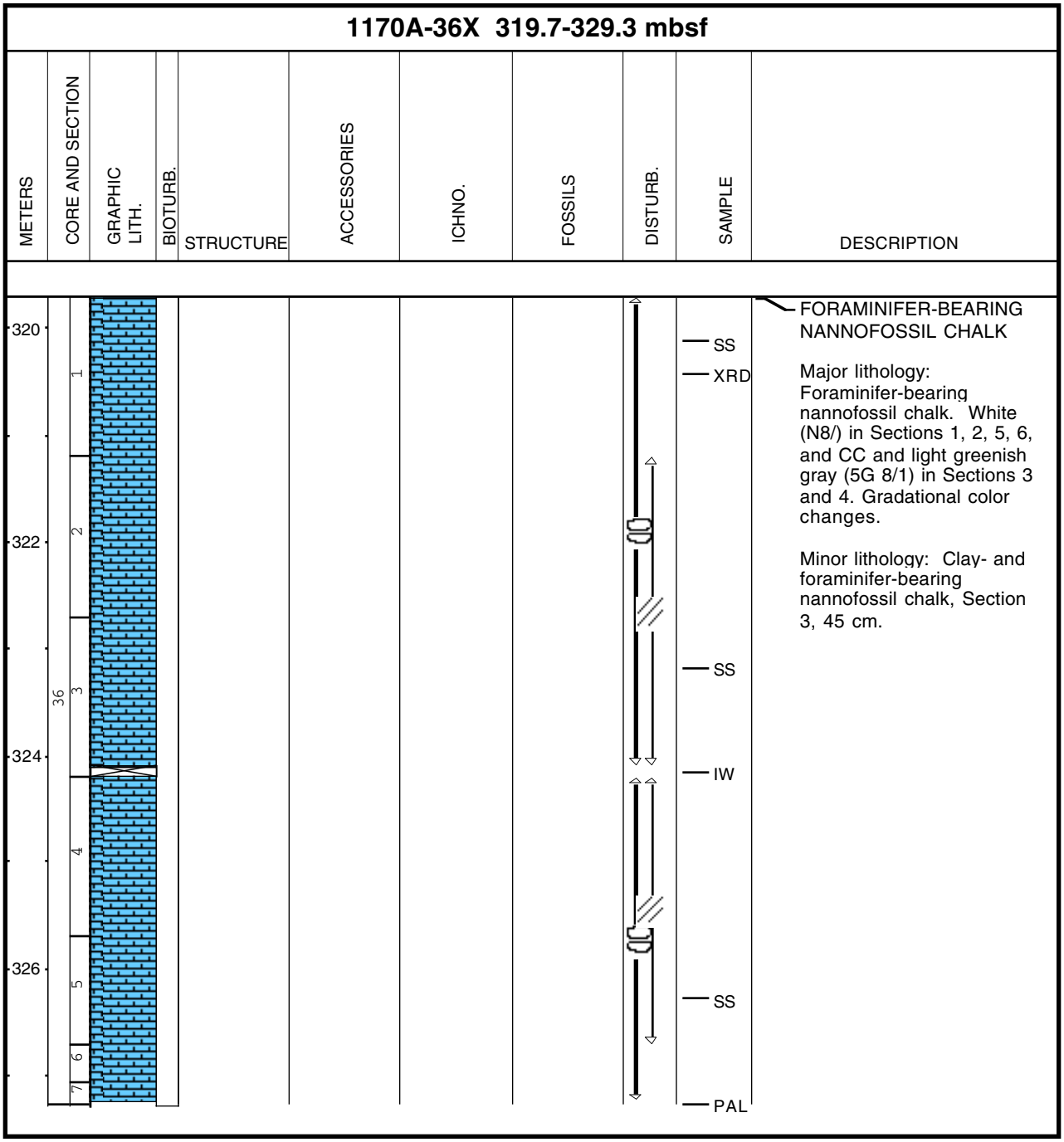
Core Photo


1170A-34X 300.8-310.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
302
304
306
308
310
34
1
2
3
4
5
6
7
8
PY
XRD
SS
SS
PAL
CLAY-BEARING NANNOFOSSIL CHALK
Major Lithology: Light greenish gray (10Y 8/1) clay-bearing nannofossil chalk.
Massive, partially lithified sediments with drilling biscuits present in Sections 3 and 5. Pyrite staining present in Section 2, 80 cm.

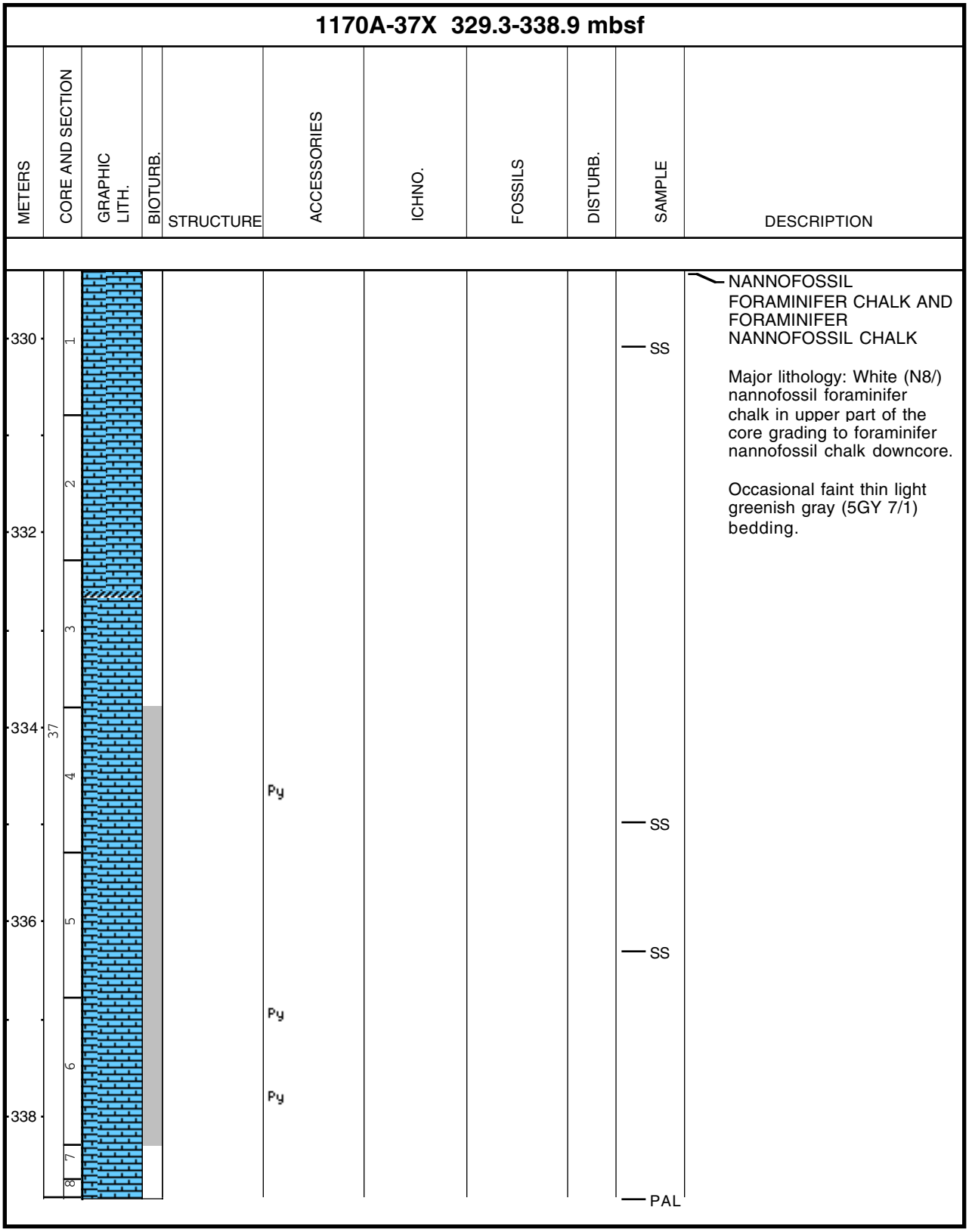
Core Photo


1170A-35X 310.1-319.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
312
314
316
318
35
1
2
3
4
5
6
7
SS
SS
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL CHALK
Major lithology: Light greenish gray (10Y 8/1) massive foraminifer-bearing nannofossil chalk.
Minor lithology: Light gray (5YR 7/1) foraminifer-bearing chalk in Section 4, 108-110 cm.
Pyrite staining present throughout.

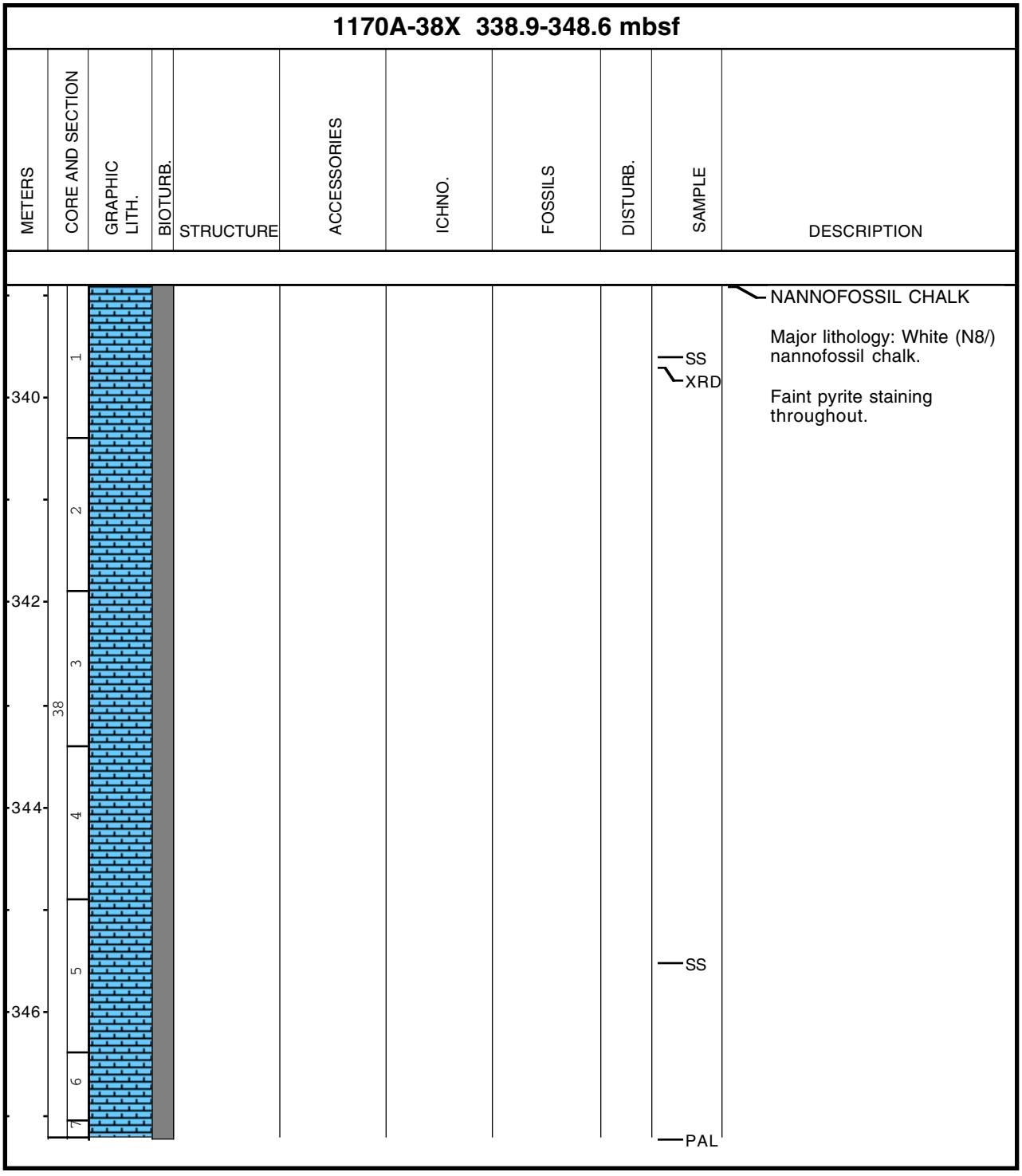
Core Photo


1170A-36X 319.7-329.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
320
322
324
326
36
1
2
3
4
5
6
7
SS
XRD
SS
IW
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL CHALK
Major lithology: Foraminifer-bearing nannofossil chalk. White (N8/) in Sections 1, 2, 5, 6, and CC and light greenish gray (5G 8/1) in Sections 3 and 4. Gradational color changes.
Minor lithology: Clay- and foraminifer-bearing nannofossil chalk, Section 3, 45 cm.

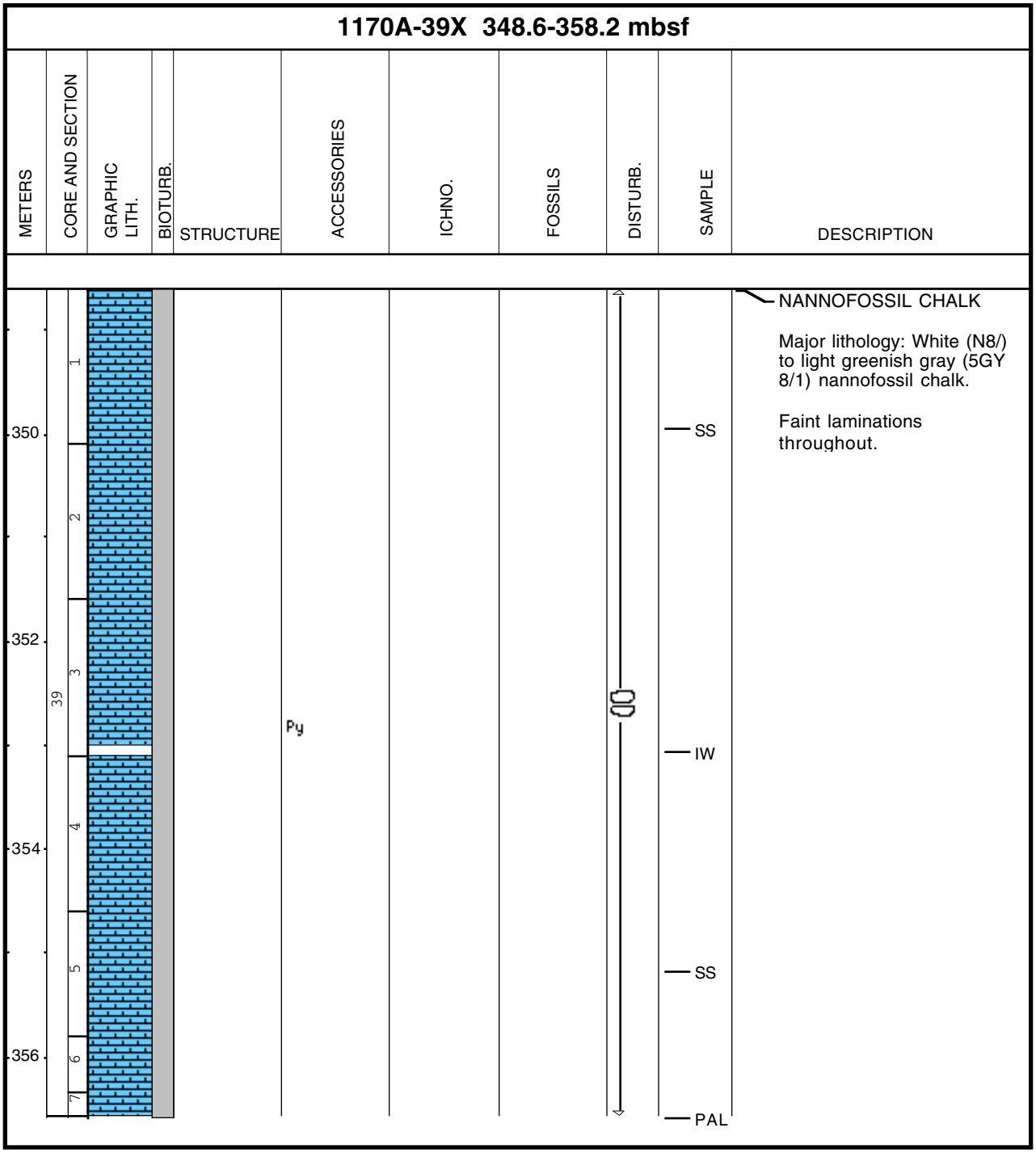
Core Photo


1170A-37X 329.3-338.9 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
330
332
334
336
338
37
1
2
3
4
5
6
7
8
Py
Py
Py
SS
SS
SS
PAL
NANNOFOSSIL FORAMINIFER CHALK AND FORAMINIFER NANNOFOSSIL CHALK
Major lithology: White (N8/) nannofossil foraminifer chalk in upper part of the core grading to foraminifer nannofossil chalk downcore.
Occasional faint thin light greenish gray (5GY 7/1) bedding.

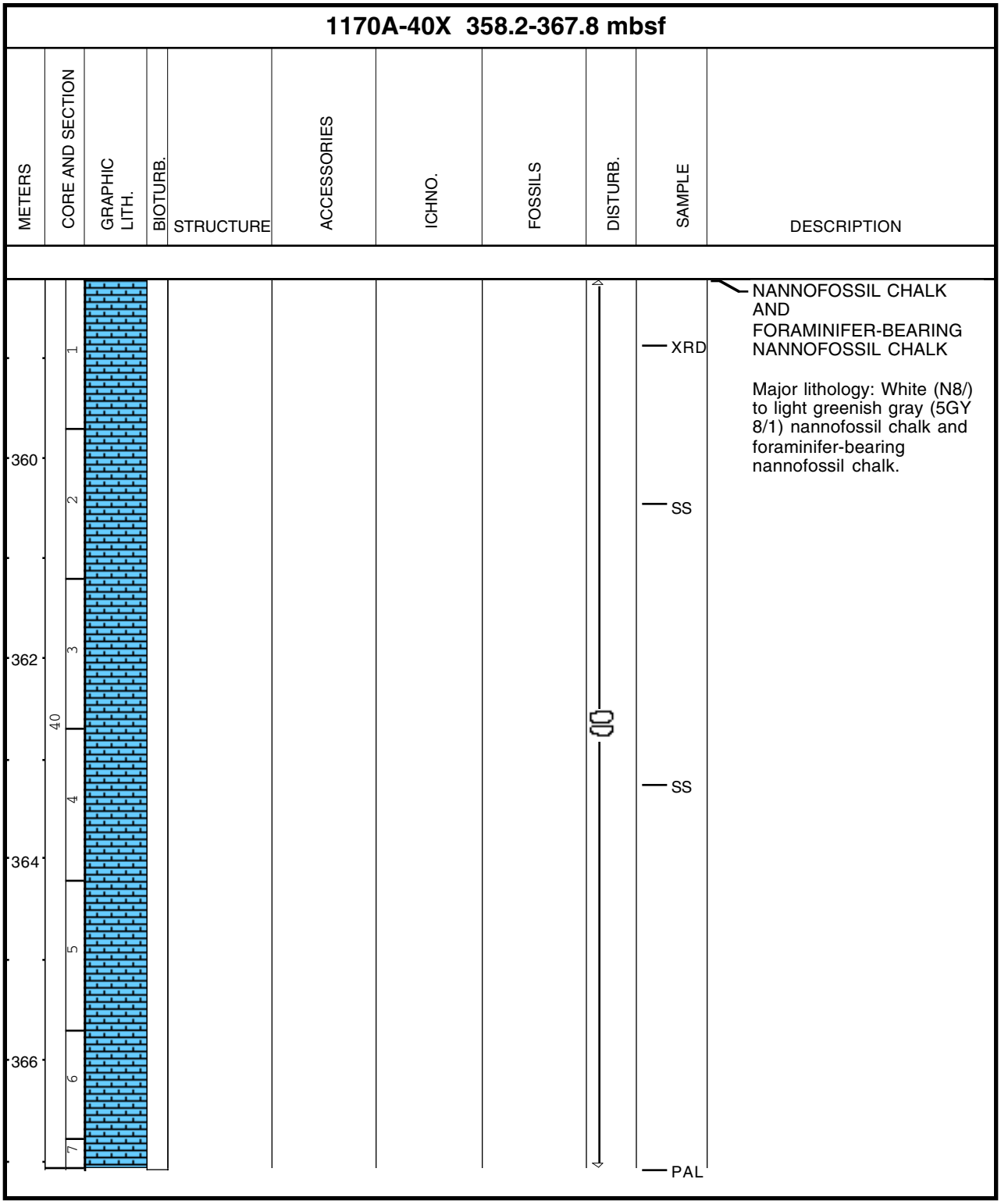
Core Photo


1170A-38X 338.9-348.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
340
342
344
346
38
1
2
3
4
5
6
7
SS
XRD
SS
PAL
NANNOFOSSIL CHALK
Major lithology: White (N8/) nannofossil chalk.
Faint pyrite staining throughout.

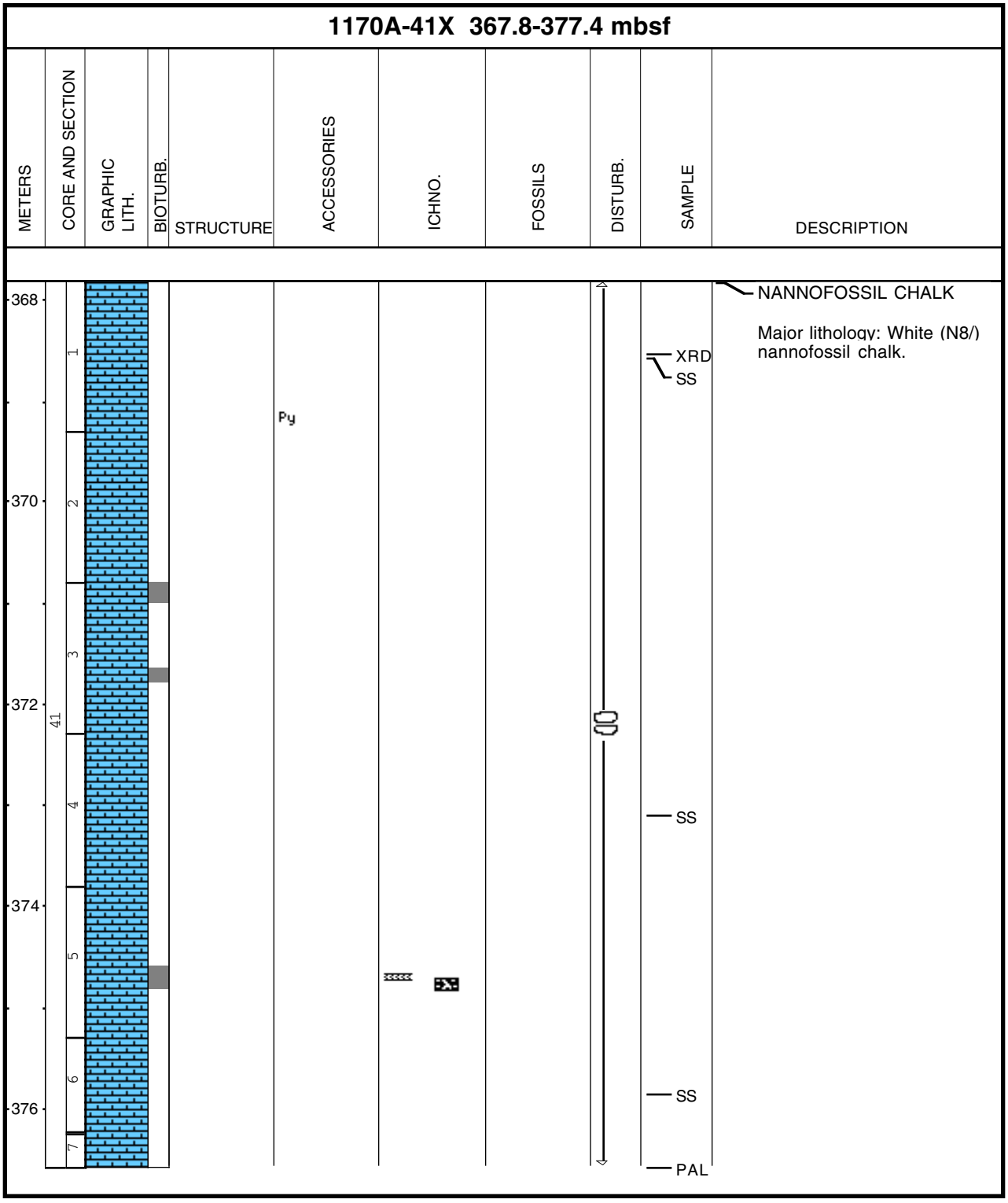
Core Photo


1170A-39X 348.6-358.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
350
352
354
356
39
1
2
3
4
5
6
7
Py
SS
IW
SS
PAL
NANNOFOSSIL CHALK
Major lithology: White (N8/) to light greenish gray (5GY 8/1) nannofossil chalk.
Faint laminations throughout.

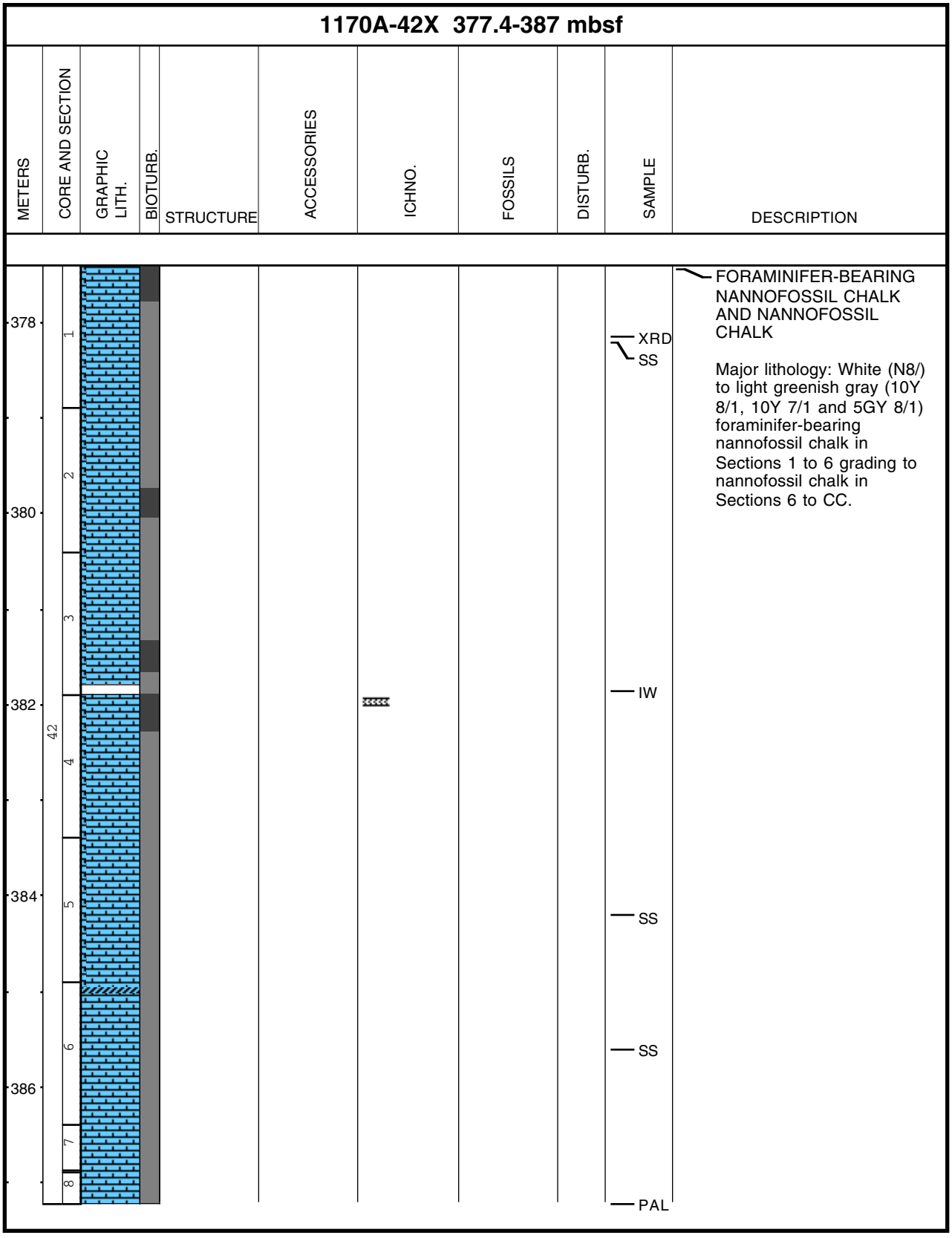
Core Photo


1170A-40X 358.2-367.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
360
362
364
366
40
1
2
3
4
5
6
7
XRD
SS
SS
PAL
NANNOFOSSIL CHALK AND FORAMINIFER-BEARING NANNOFOSSIL CHALK
Major lithology: White (N8/) to light greenish gray (5GY 8/1) nannofossil chalk and foraminifer-bearing nannofossil chalk.

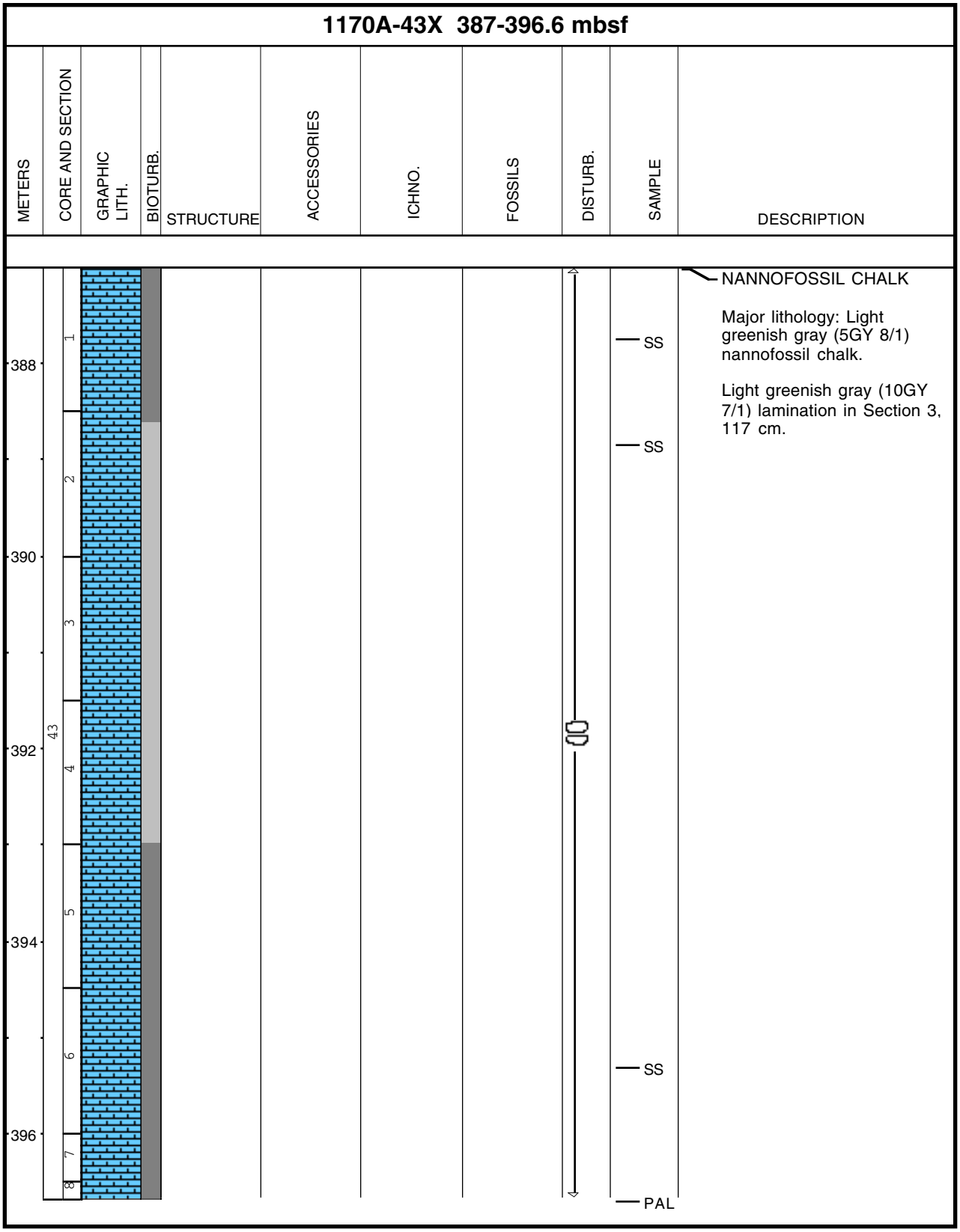
Core Photo


1170A-41X 367.8-377.4 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
368
370
372
374
376
41
1
2
3
4
5
6
7
Py
XRD
SS
SS
SS
PAL
NANNOFOSSIL CHALK
Major lithology: White (N8/) nannofossil chalk.

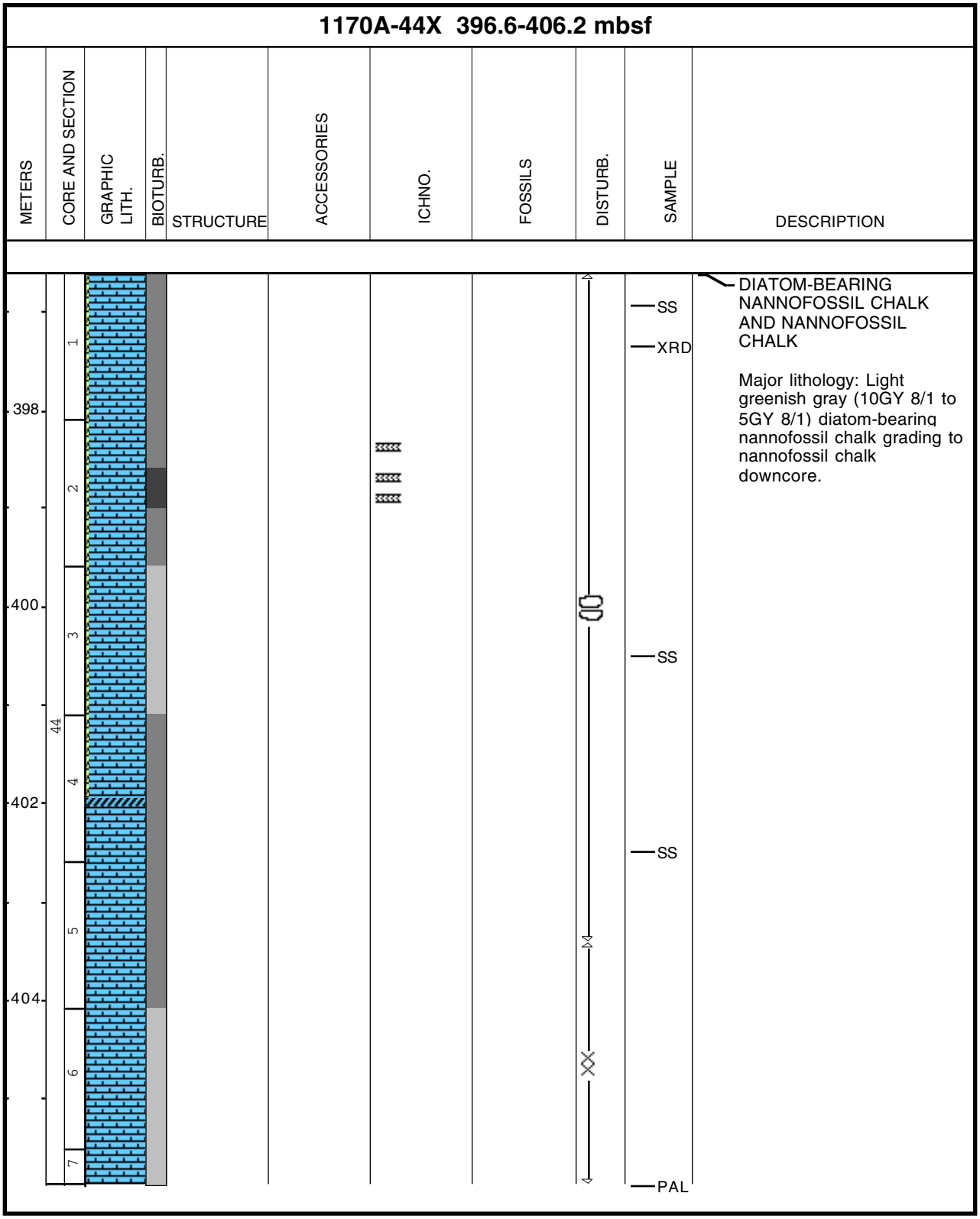
Core Photo


1170A-42X 377.4-387 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
378
380
382
384
386
42
1
2
3
4
5
6
7
8
XRD
SS
IW
SS
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL CHALK AND NANNOFOSSIL CHALK
Major lithology: White (N8/) to light greenish gray (10Y 8/1, 10Y 7/1 and 5GY 8/1) foraminifer-bearing nannofossil chalk in Sections 1 to 6 grading to nannofossil chalk in Sections 6 to CC.

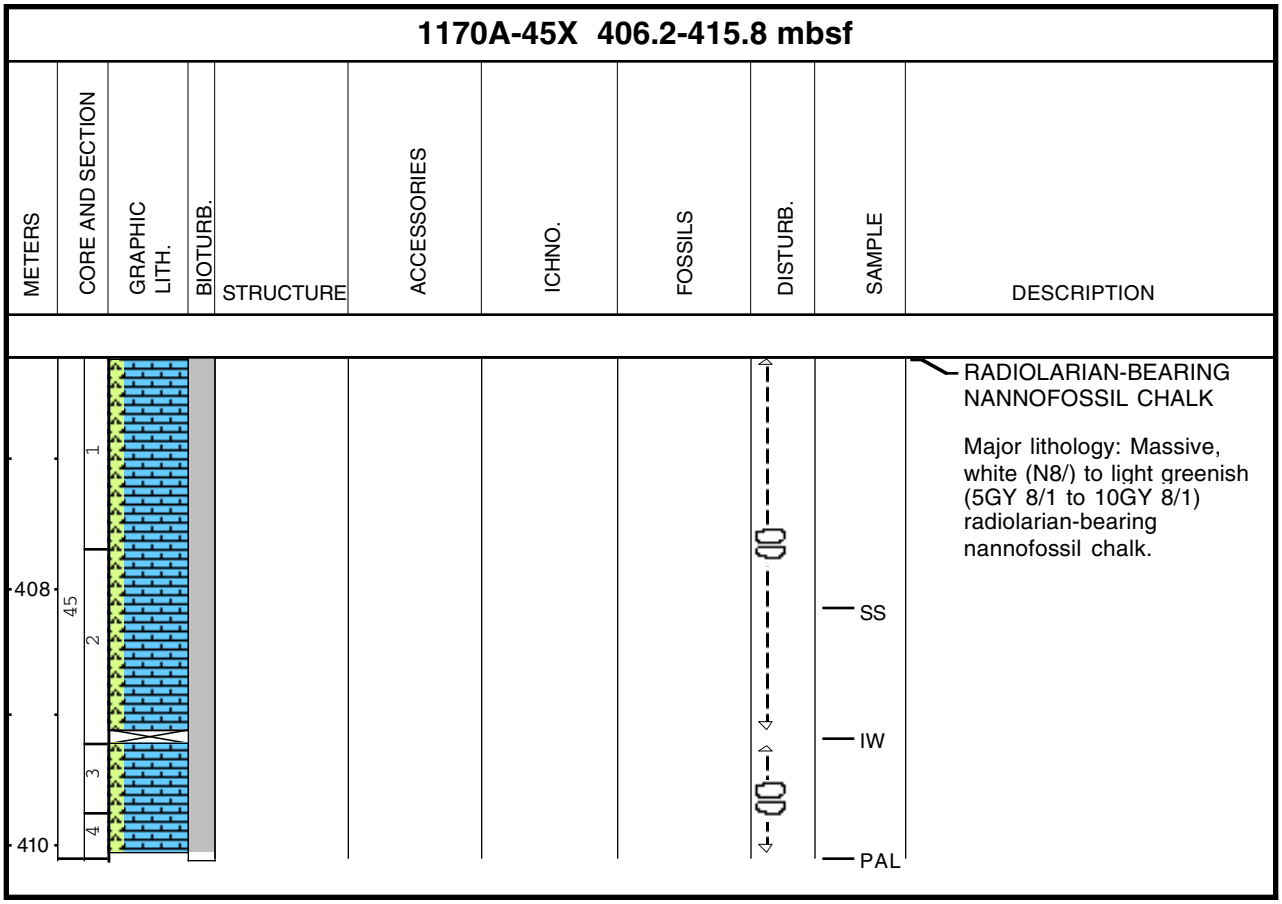
Core Photo


1170A-43X 387-396.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
388
390
392
394
396
43
1
2
3
4
5
6
7
8
SS
SS
SS
PAL
NANNOFOSSIL CHALK
Major lithology: Light greenish gray (5GY 8/1) nannofossil chalk.
Light greenish gray (10GY 7/1) lamination in Section 3, 117 cm.

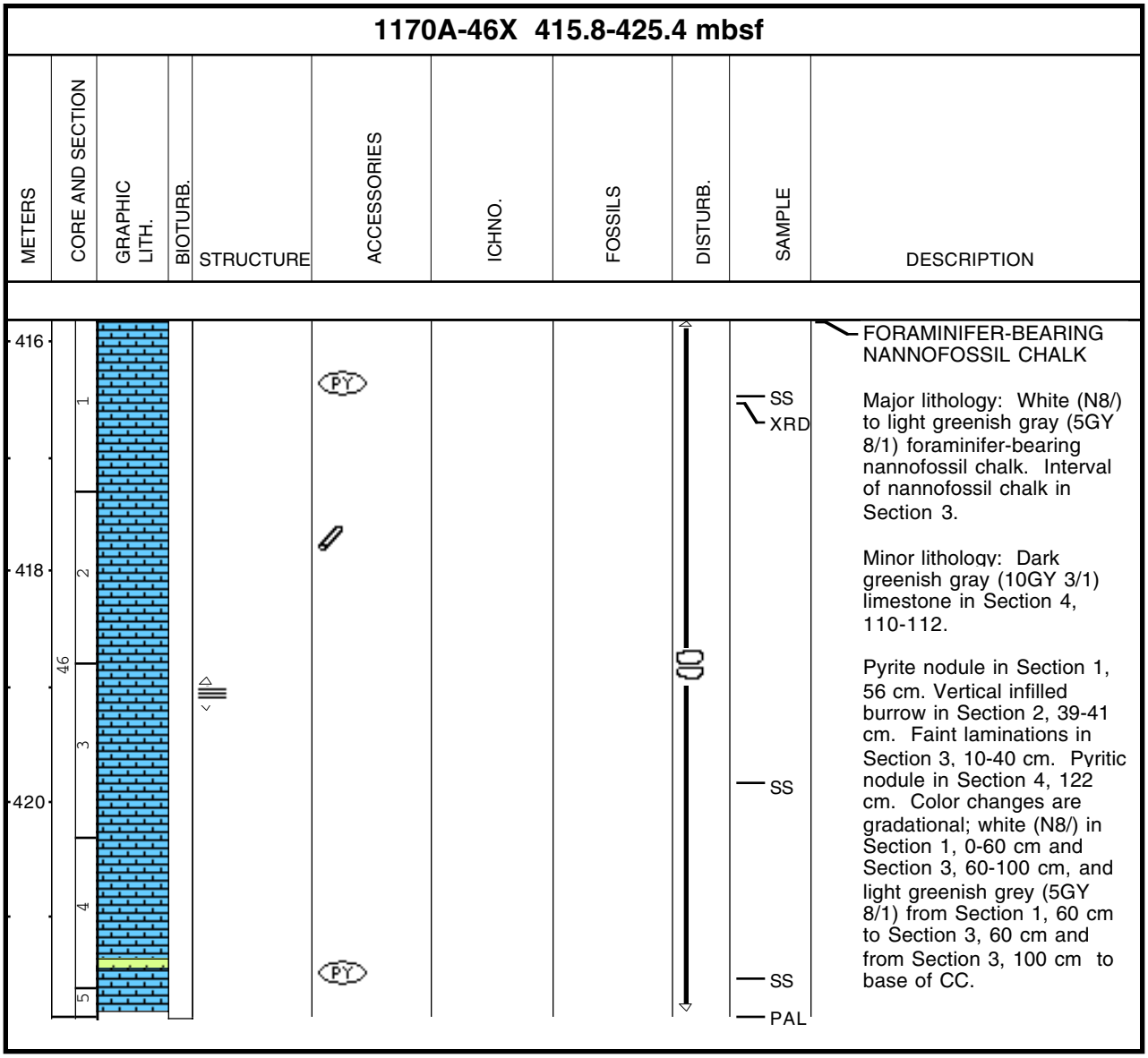
Core Photo


1170A-44X 396.6-406.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
398
400
402
404
44
1
2
3
4
5
6
7
SS
XRD
SS
SS
PAL
DIATOM-BEARING NANNOFOSSIL CHALK AND NANNOFOSSIL CHALK
Major lithology: Light greenish gray (10GY 8/1 to 5GY 8/1) diatom-bearing nannofossil chalk grading to nannofossil chalk downcore.

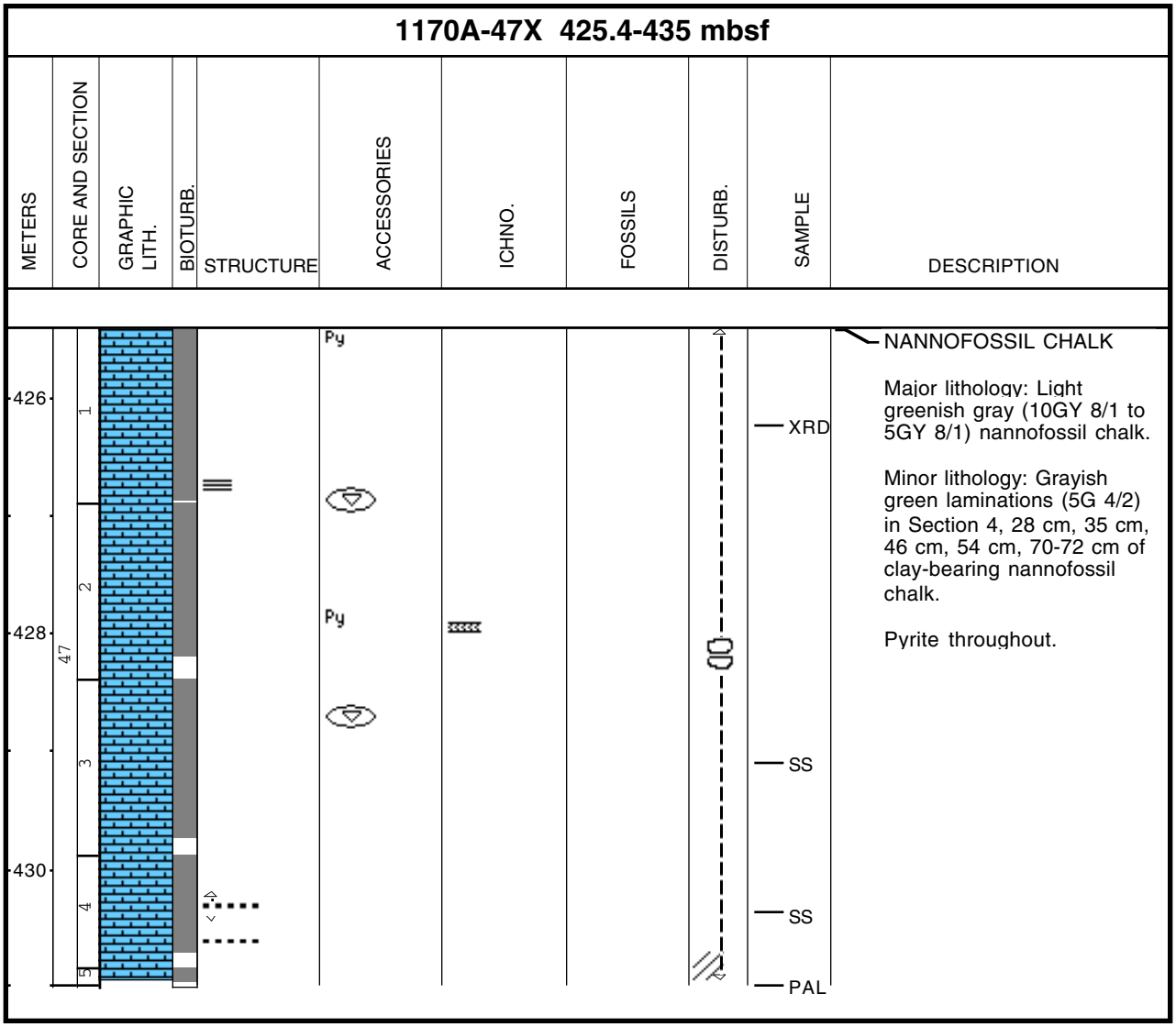
Core Photo


1170A-45X 406.2-415.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
408
410
45
1
2
3
4
SS
IW
PAL
RADIOLARIAN-BEARING NANNOFOSSIL CHALK
Major lithology: Massive, white (N8/) to light greenish (5GY 8/1 to 10GY 8/1) radiolarian-bearing nannofossil chalk.

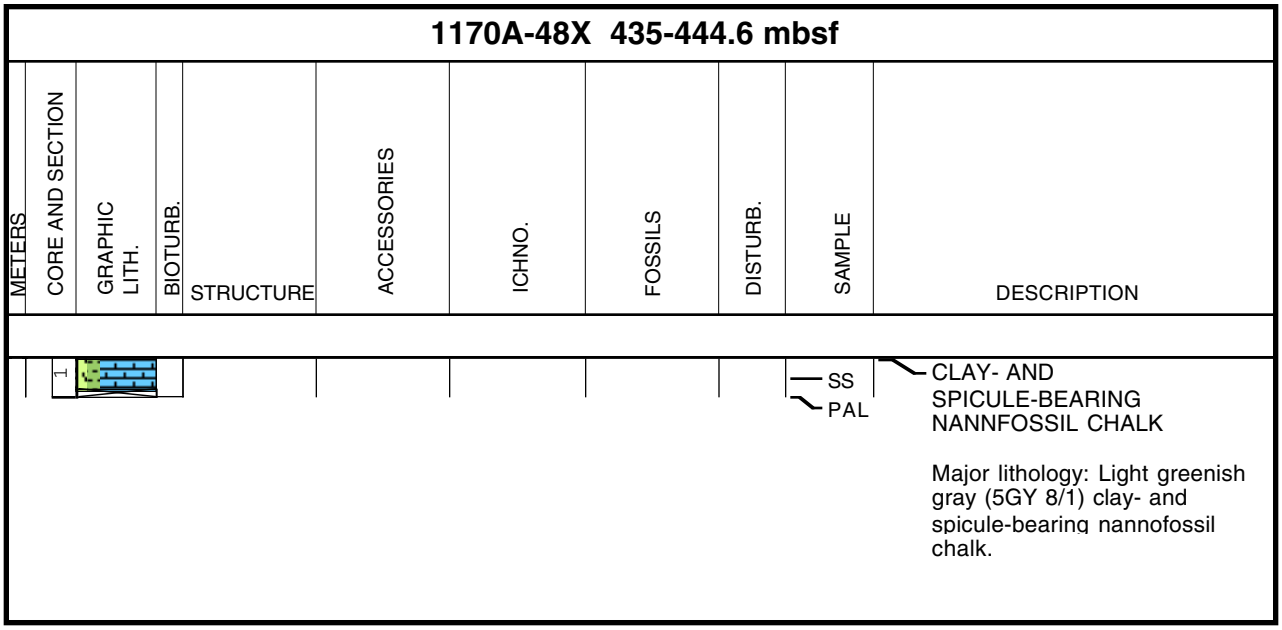
Core Photo


1170A-46X 415.8-425.4 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
416
418
420
46
1
2
3
4
5
PY
PY
SS
XRD
SS
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL CHALK
Major lithology: White (N8/) to light greenish gray (5GY 8/1) foraminifer-bearing nannofossil chalk. Interval of nannofossil chalk in Section 3.
Minor lithology: Dark greenish gray (10GY 3/1) limestone in Section 4, 110-112.
Pyrite nodule in Section 1, 56 cm. Vertical infilled burrow in Section 2, 39-41 cm. Faint laminations in Section 3, 10-40 cm. Pyritic nodule in Section 4, 122 cm. Color changes are gradational; white (N8/) in Section 1, 0-60 cm and Section 3, 60-100 cm, and light greenish grey (5GY 8/1) from Section 1, 60 cm to Section 3, 60 cm and from Section 3, 100 cm to base of CC.

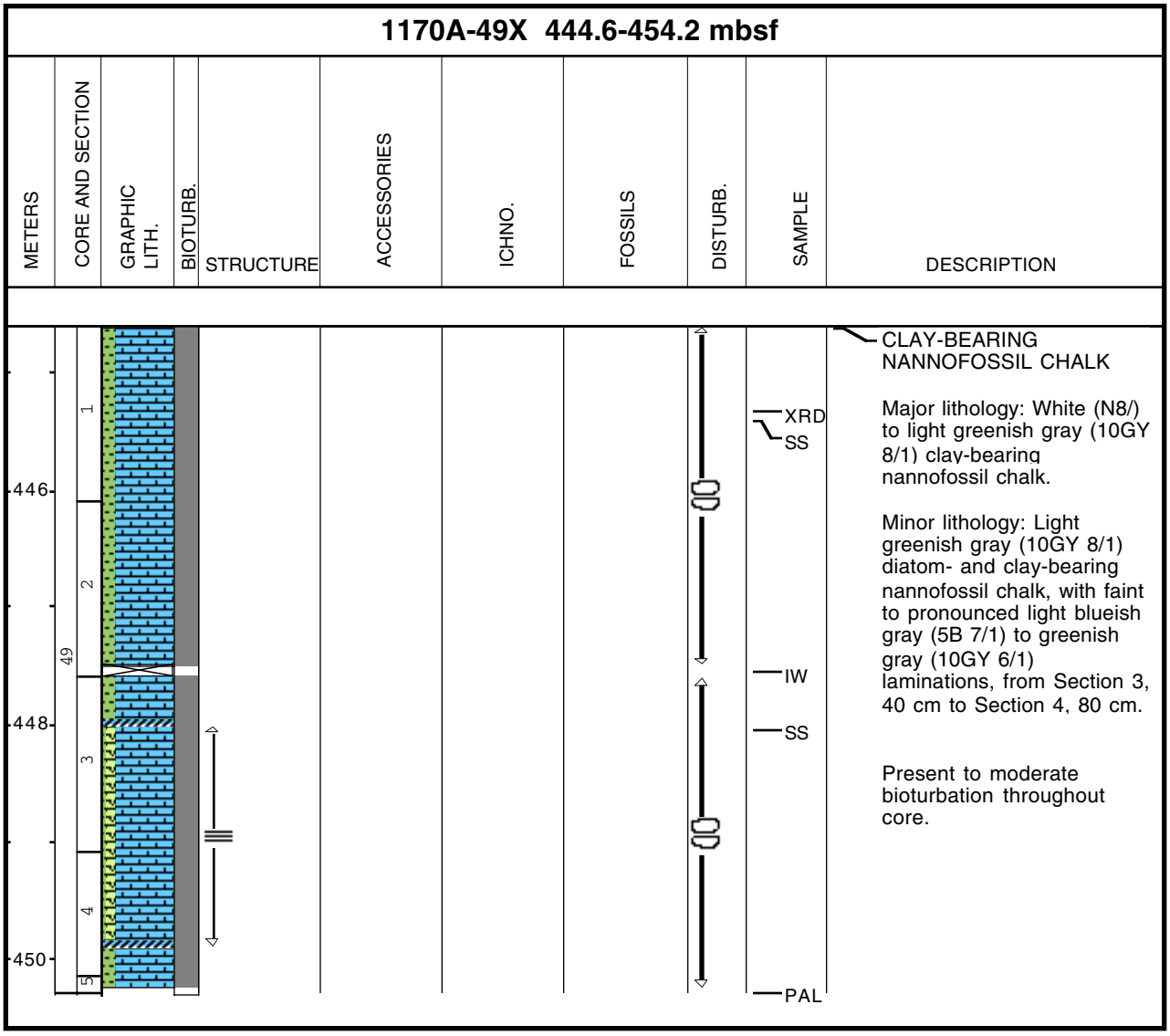
Core Photo


1170A-47X 425.4-435 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
426
428
430
47
1
2
3
4
5
Py
Py
XRD
SS
SS
PAL
NANNOFOSSIL CHALK
Major lithology: Light greenish gray (10GY 8/1 to 5GY 8/1) nannofossil chalk.
Minor lithology: Grayish green laminations (5G 4/2) in Section 4, 28 cm, 35 cm, 46 cm, 54 cm, 70-72 cm of clay-bearing nannofossil chalk.
Pyrite throughout.

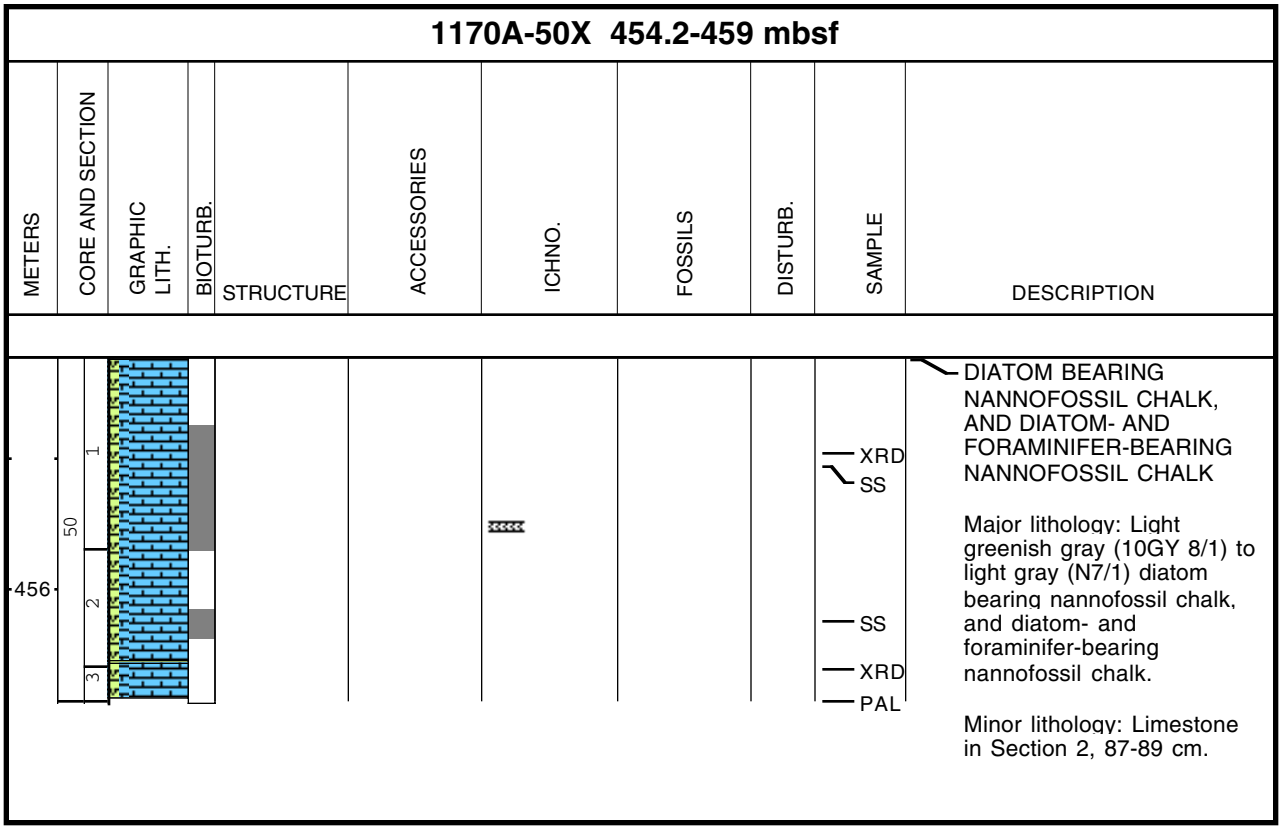
Core Photo


1170A-48X 435-444.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
SS
PAL
CLAY- AND SPICULE-BEARING NANNFOSSIL CHALK
Major lithology: Light greenish gray (5GY 8/1) clay- and spicule-bearing nannofossil chalk.

Core Photo


1170A-49X 444.6-454.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
446
448
450
49
1
2
3
4
5
XRD
SS
IW
SS
PAL
CLAY-BEARING NANNOFOSSIL CHALK
Major lithology: White (N8/) to light greenish gray (10GY 8/1) clay-bearing nannofossil chalk.
Minor lithology: Light greenish gray (10GY 8/1) diatom- and clay-bearing nannofossil chalk, with faint to pronounced light blueish gray (5B 7/1) to greenish gray (10GY 6/1) laminations, from Section 3, 40 cm to Section 4, 80 cm.
Present to moderate bioturbation throughout core.

Core Photo

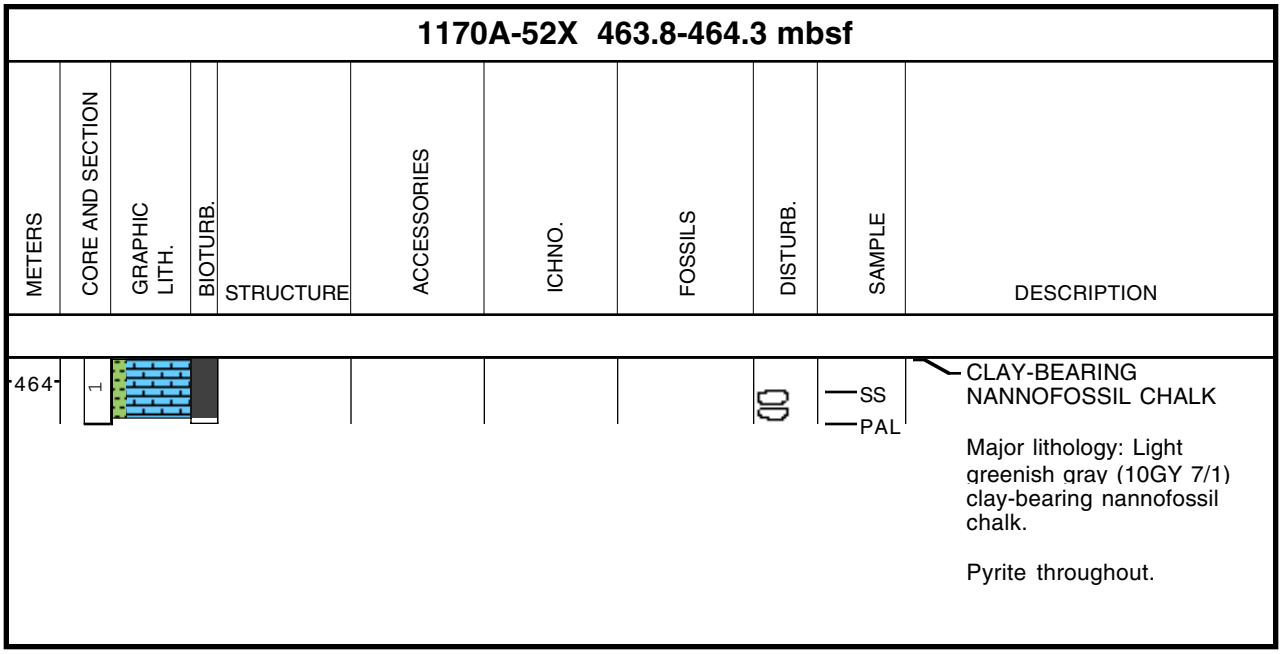

1170A-50X 454.2-459 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
456
50
1
2
3
XRD
SS
SS
XRD
PAL
DIATOM BEARING NANNOFOSSIL CHALK, AND DIATOM- AND FORAMINIFER-BEARING NANNOFOSSIL CHALK
Major lithology: Light greenish gray (10GY 8/1) to light gray (N7/1) diatom bearing nannofossil chalk, and diatom- and foraminifer-bearing nannofossil chalk.
Minor lithology: Limestone in Section 2, 87-89 cm.

Core Photo

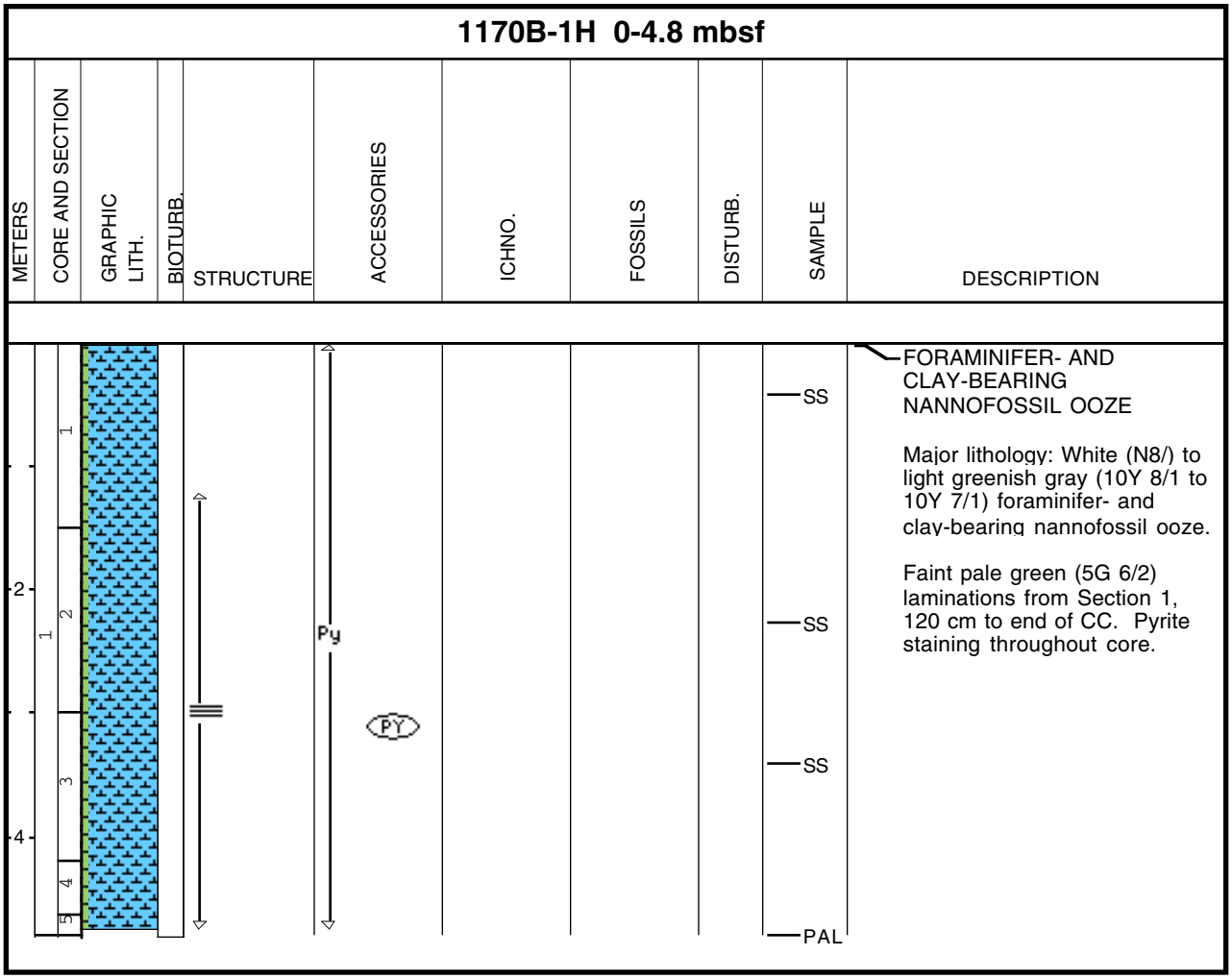
1170A-51X 459-463.8 mbsf

METERS	CORE AND SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
	1								SS PAL	FORAMINIFER- AND CLAY-BEARING NANNOFOSSIL CHALK Major lithology: Light greenish gray (10GY 8/1) foraminifer- and clay-bearing nannofossil chalk. Limestone in CC at 16-18 cm and 24-28 cm.

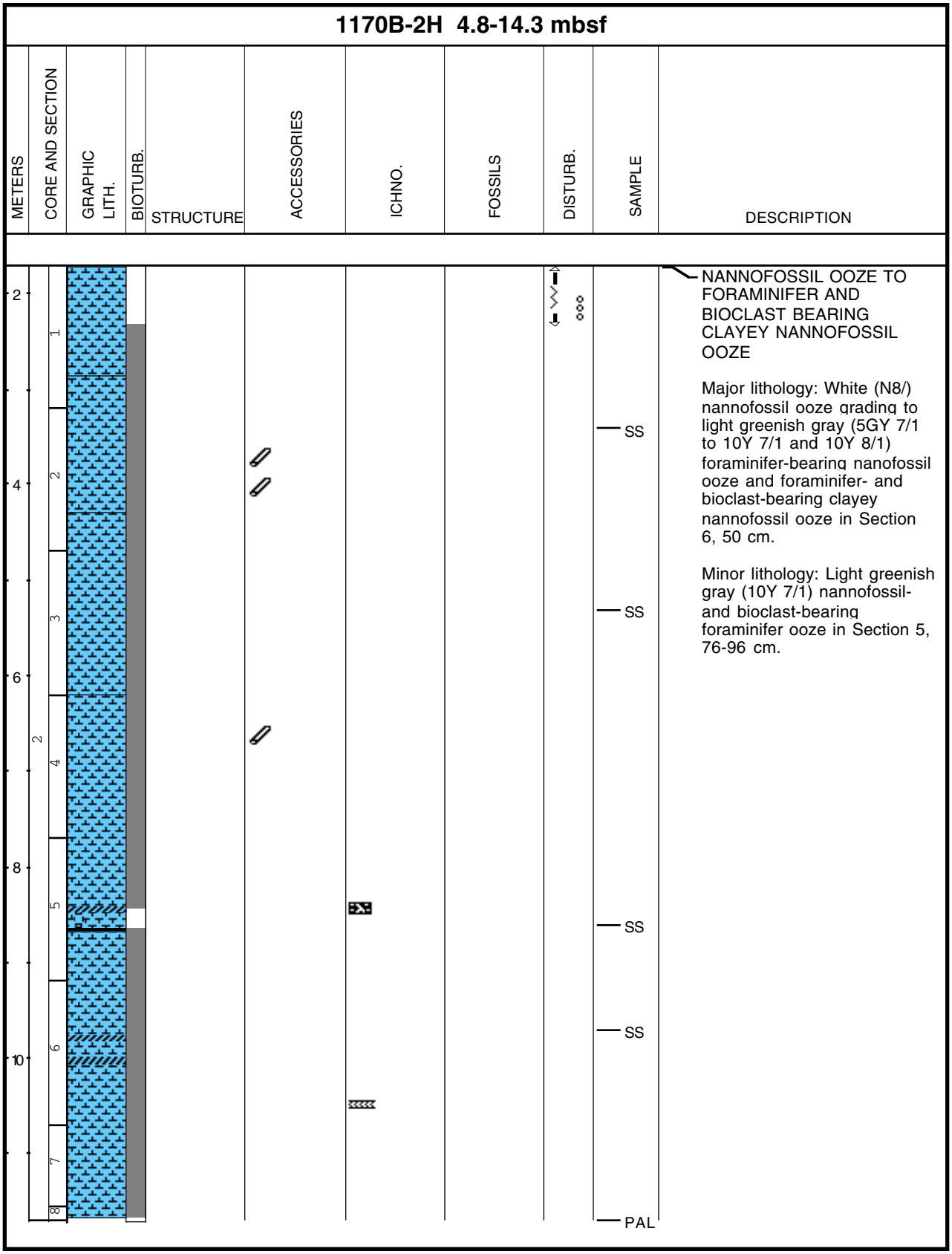
Core Photo


1170A-52X 463.8-464.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
464
1
SS
PAL
CLAY-BEARING NANNOFOSSIL CHALK
Major lithology: Light greenish gray (10GY 7/1) clay-bearing nannofossil chalk.
Pyrite throughout.

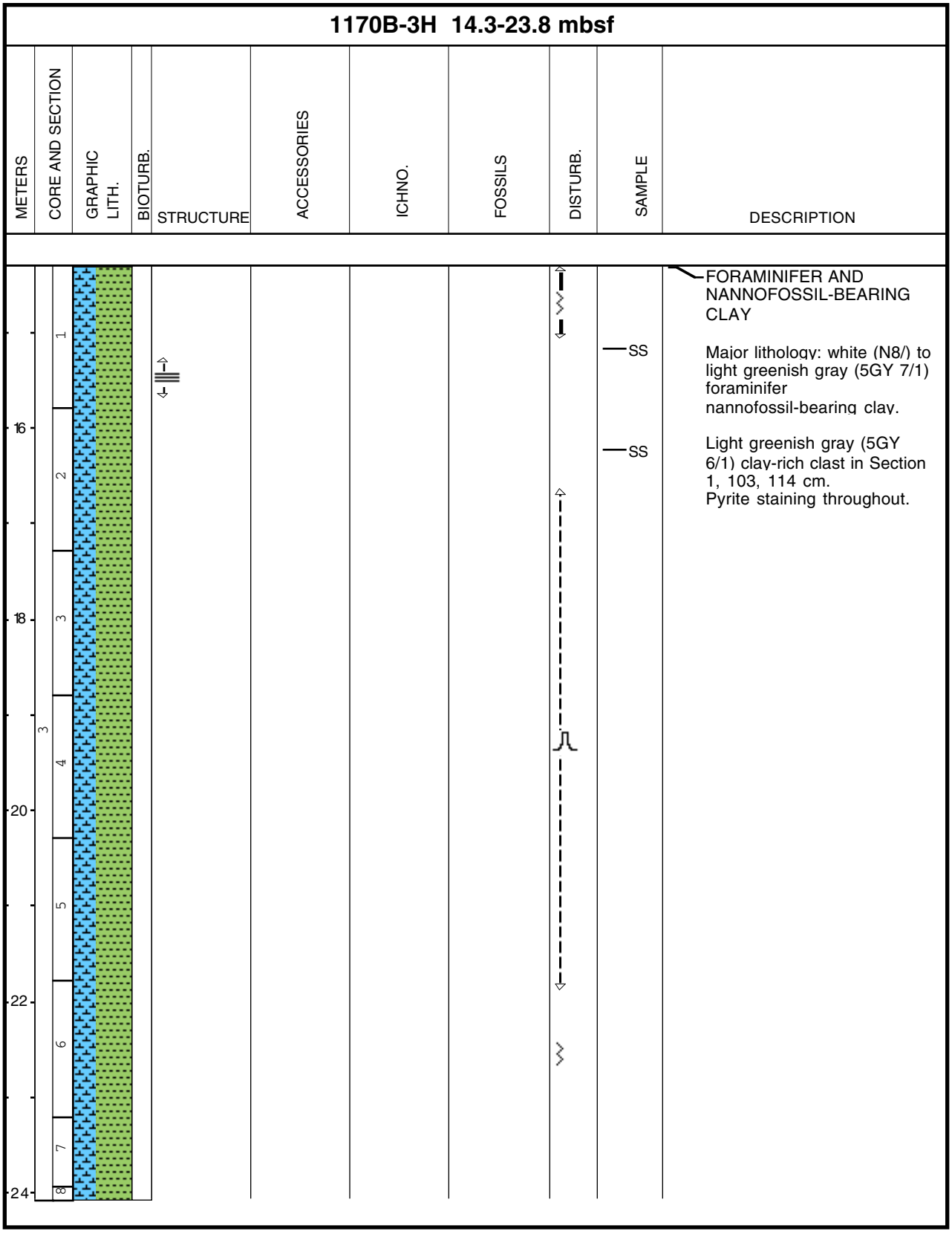
Core Photo


1170B-1H 0-4.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
2
4
1
2
3
4
5
Py
PY
SS
SS
SS
PAL
FORAMINIFER- AND CLAY-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) to light greenish gray (10Y 8/1 to 10Y 7/1) foraminifer- and clay-bearing nannofossil ooze.
Faint pale green (5G 6/2) laminations from Section 1, 120 cm to end of CC. Pyrite staining throughout core.

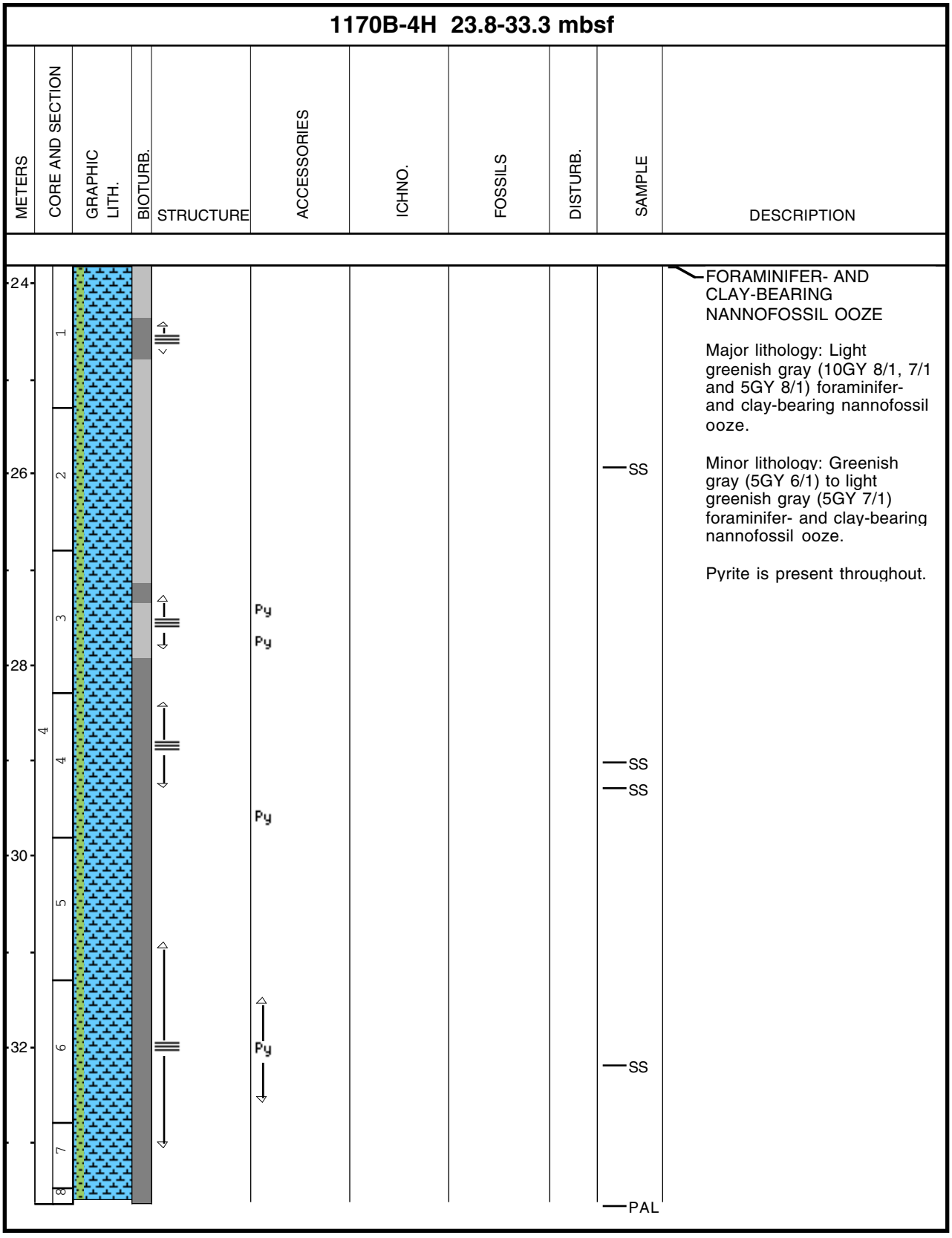
Core Photo


1170B-2H 4.8-14.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
2
4
6
8
10
1
2
3
4
5
6
7
8
SS
SS
SS
SS
PAL
NANNOFOSSIL OOZE TO FORAMINIFER AND BIOCLAST BEARING CLAYEY NANNOFOSSIL OOZE
Major lithology: White (N8/) nannofossil ooze grading to light greenish gray (5GY 7/1 to 10Y 7/1 and 10Y 8/1) foraminifer-bearing nanofossil ooze and foraminifer- and bioclast-bearing clayey nannofossil ooze in Section 6, 50 cm.
Minor lithology: Light greenish gray (10Y 7/1) nannofossil- and bioclast-bearing foraminifer ooze in Section 5, 76-96 cm.

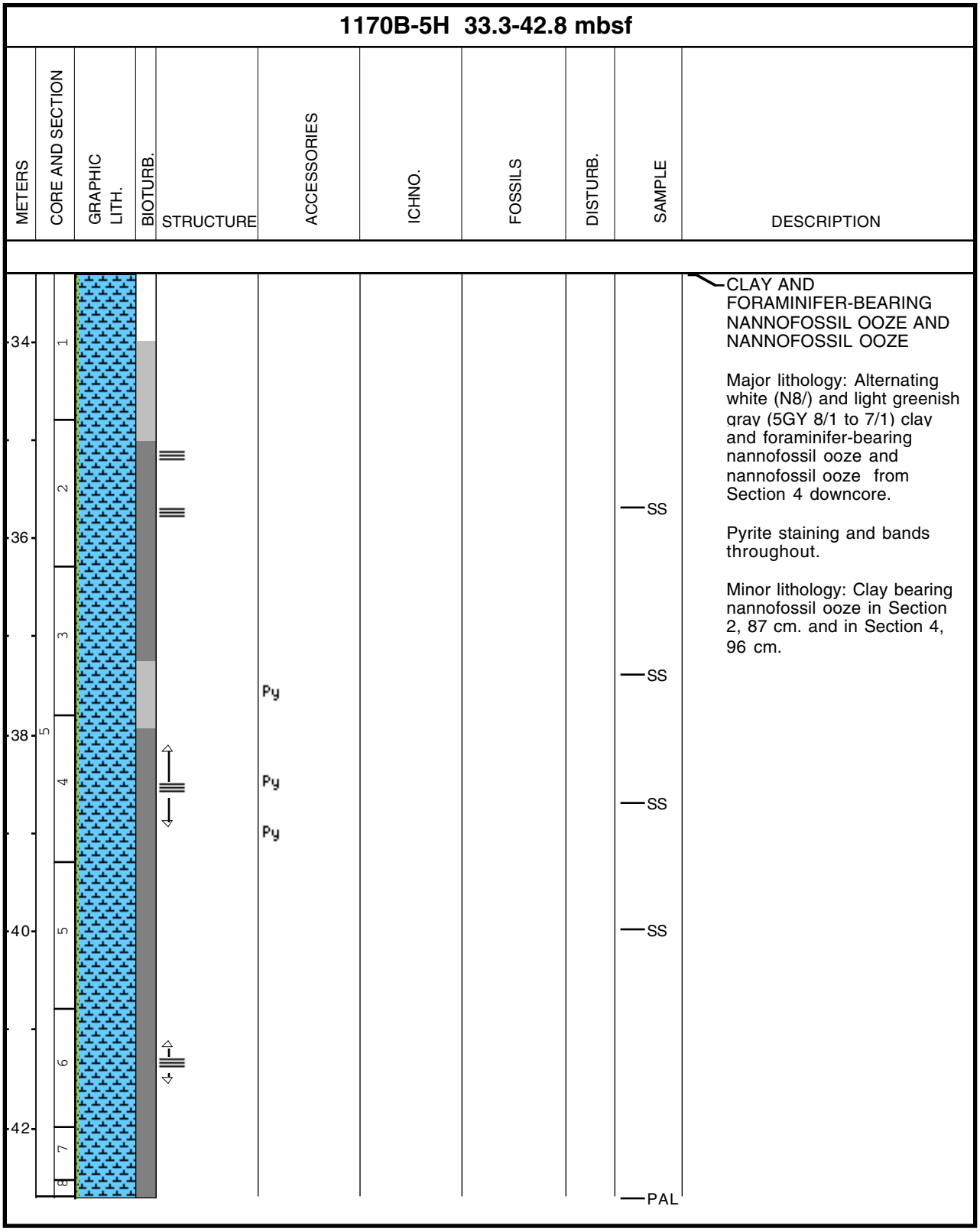
Core Photo


1170B-3H 14.3-23.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
16
18
20
22
24
1
2
3
4
5
6
7
8
SS
SS
FORAMINIFER AND NANNOFOSSIL-BEARING CLAY
Major lithology: white (N8/) to light greenish gray (5GY 7/1) foraminifer nannofossil-bearing clay.
Light greenish gray (5GY 6/1) clay-rich clast in Section 1, 103, 114 cm.
Pyrite staining throughout.

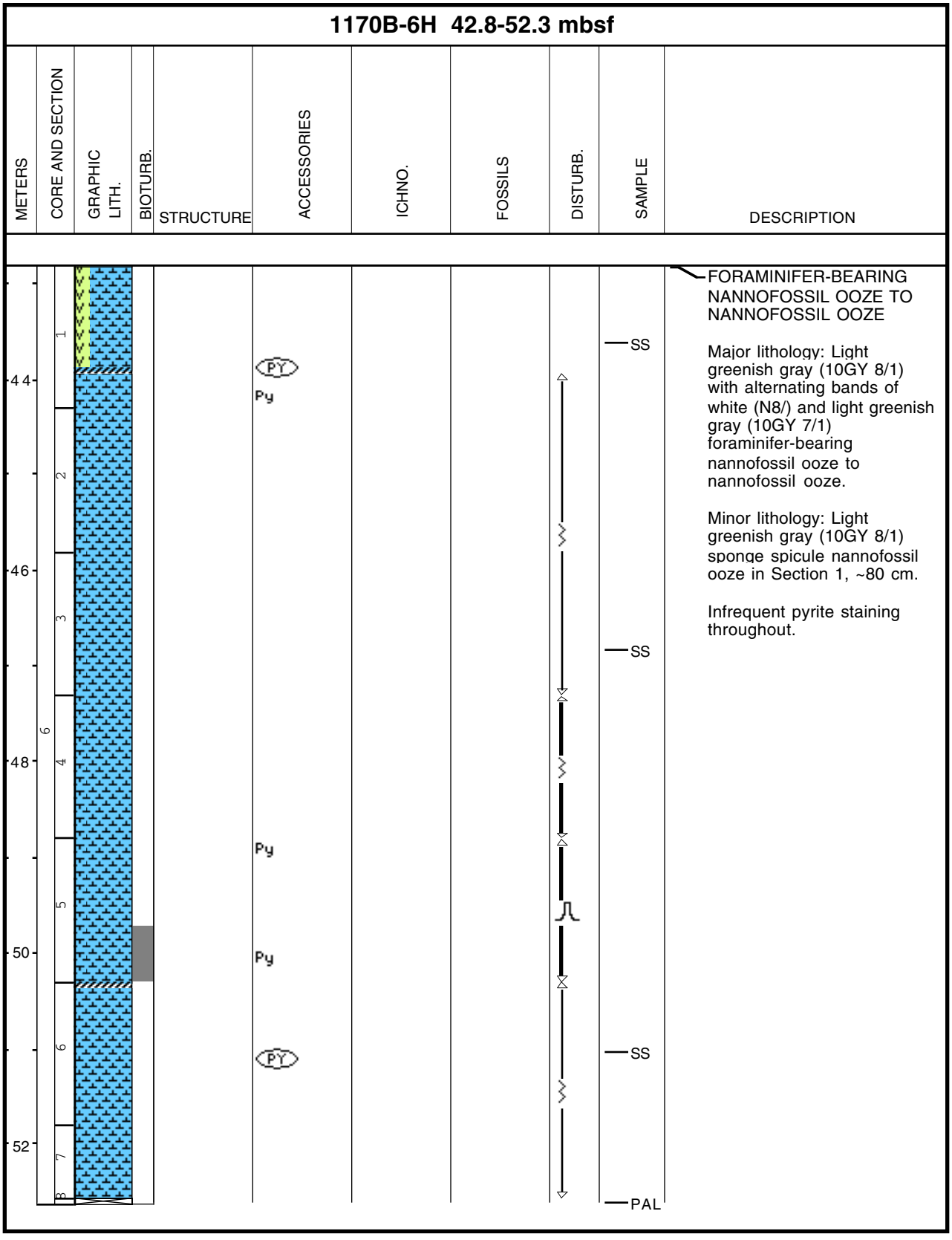
Core Photo


1170B-4H 23.8-33.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
24
26
28
30
32
1
2
3
4
5
6
7
8
Py
Py
Py
Py
SS
SS
SS
SS
PAL
FORAMINIFER- AND CLAY-BEARING NANNOFOSSIL OOZE
Major lithology: Light greenish gray (10GY 8/1, 7/1 and 5GY 8/1) foraminifer- and clay-bearing nannofossil ooze.
Minor lithology: Greenish gray (5GY 6/1) to light greenish gray (5GY 7/1) foraminifer- and clay-bearing nannofossil ooze.
Pyrite is present throughout.

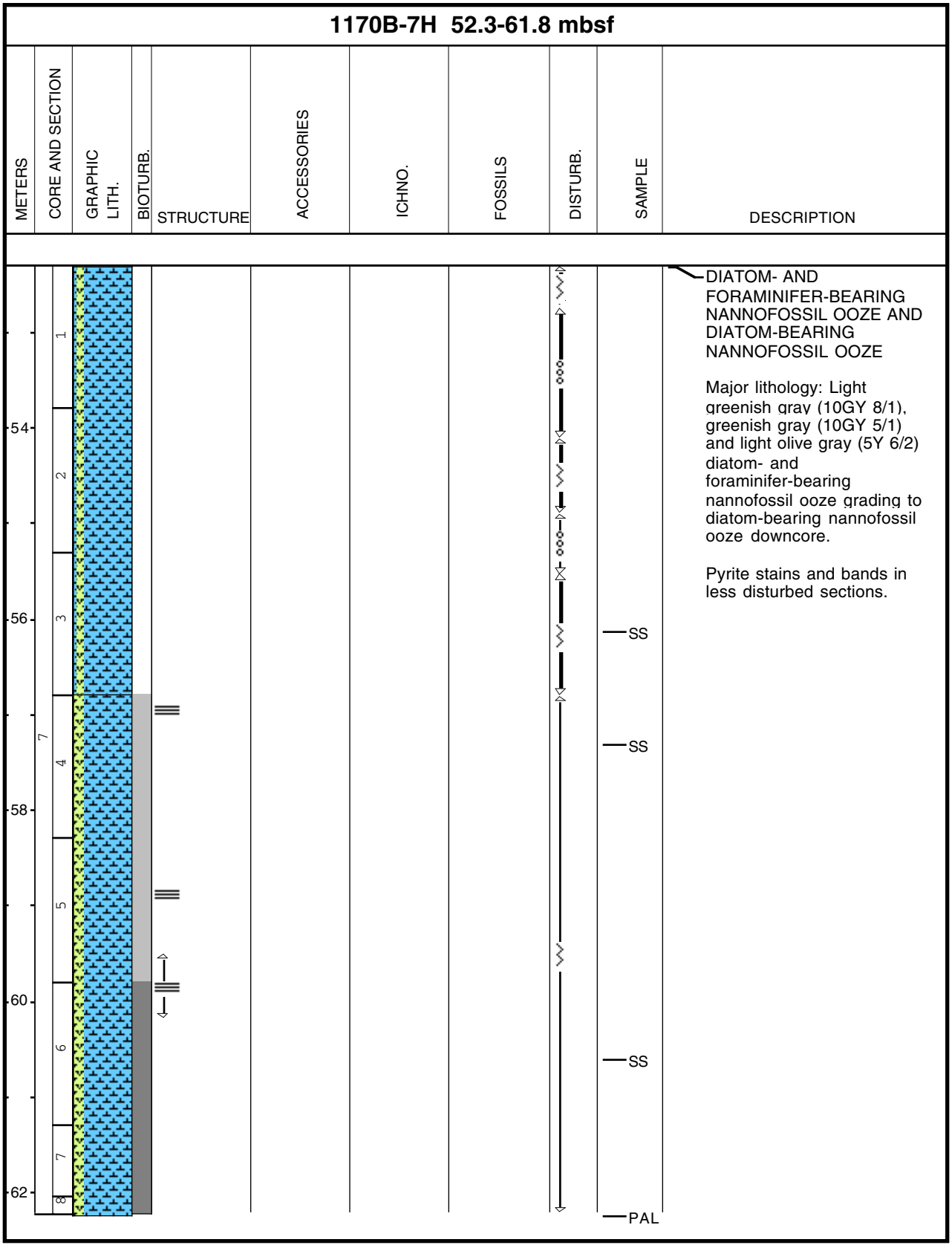
Core Photo


1170B-5H 33.3-42.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
34
36
38
40
42
1
2
3
4
5
6
7
8
Py
Py
Py
SS
SS
SS
SS
PAL
CLAY AND FORAMINIFER-BEARING NANNOFOSSIL OOZE AND NANNOFOSSIL OOZE
Major lithology: Alternating white (N8/) and light greenish gray (5GY 8/1 to 7/1) clay and foraminifer-bearing nannofossil ooze and nannofossil ooze from Section 4 downcore.
Pyrite staining and bands throughout.
Minor lithology: Clay bearing nannofossil ooze in Section 2, 87 cm. and in Section 4, 96 cm.

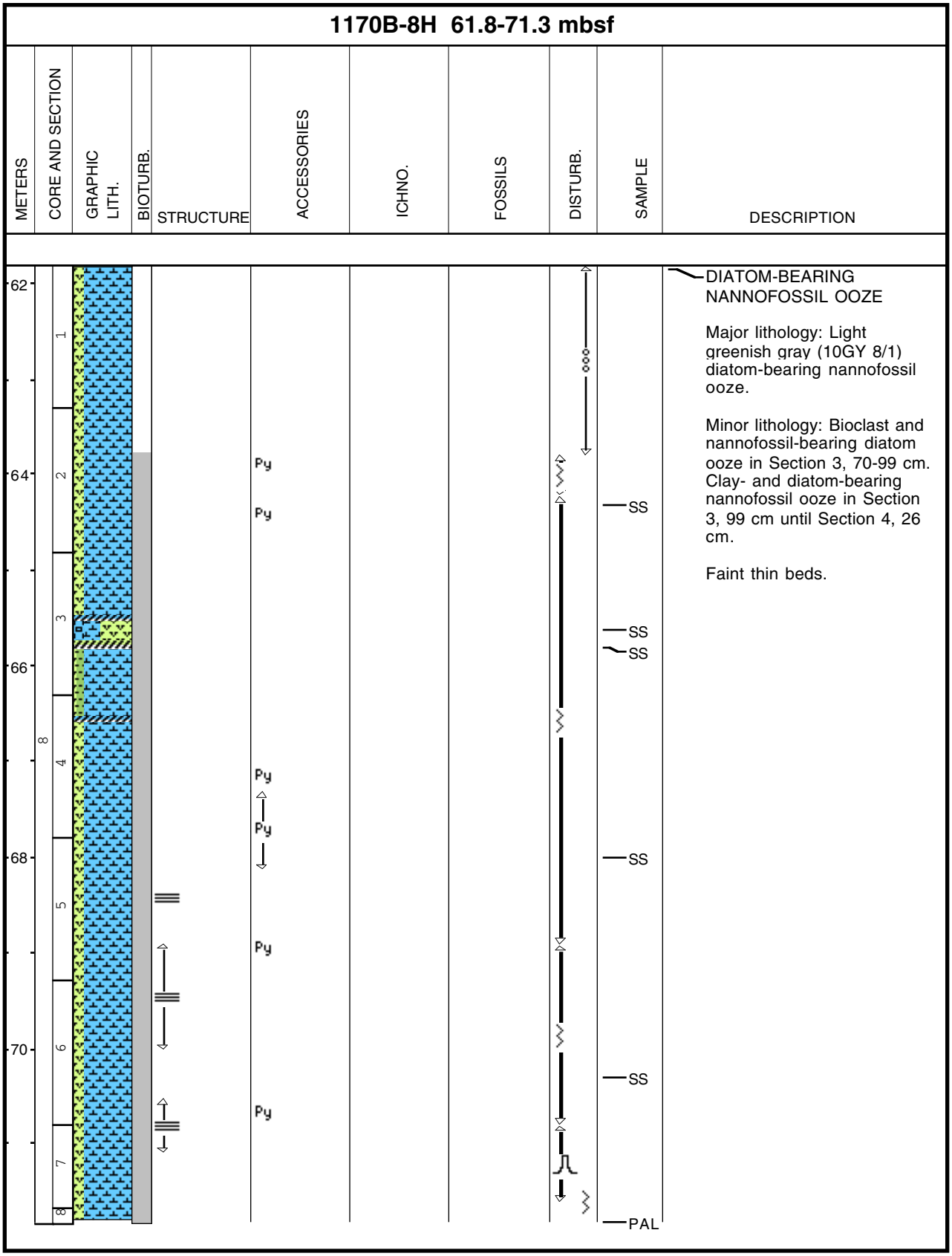
Core Photo


1170B-6H 42.8-52.3 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
CC
PY
Py
Py
Py
PY
SS
SS
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE TO NANNOFOSSIL OOZE
Major lithology: Light greenish gray (10GY 8/1) with alternating bands of white (N8/) and light greenish gray (10GY 7/1) foraminifer-bearing nannofossil ooze to nannofossil ooze.
Minor lithology: Light greenish gray (10GY 8/1) sponge spicule nannofossil ooze in Section 1, ~80 cm.
Infrequent pyrite staining throughout.

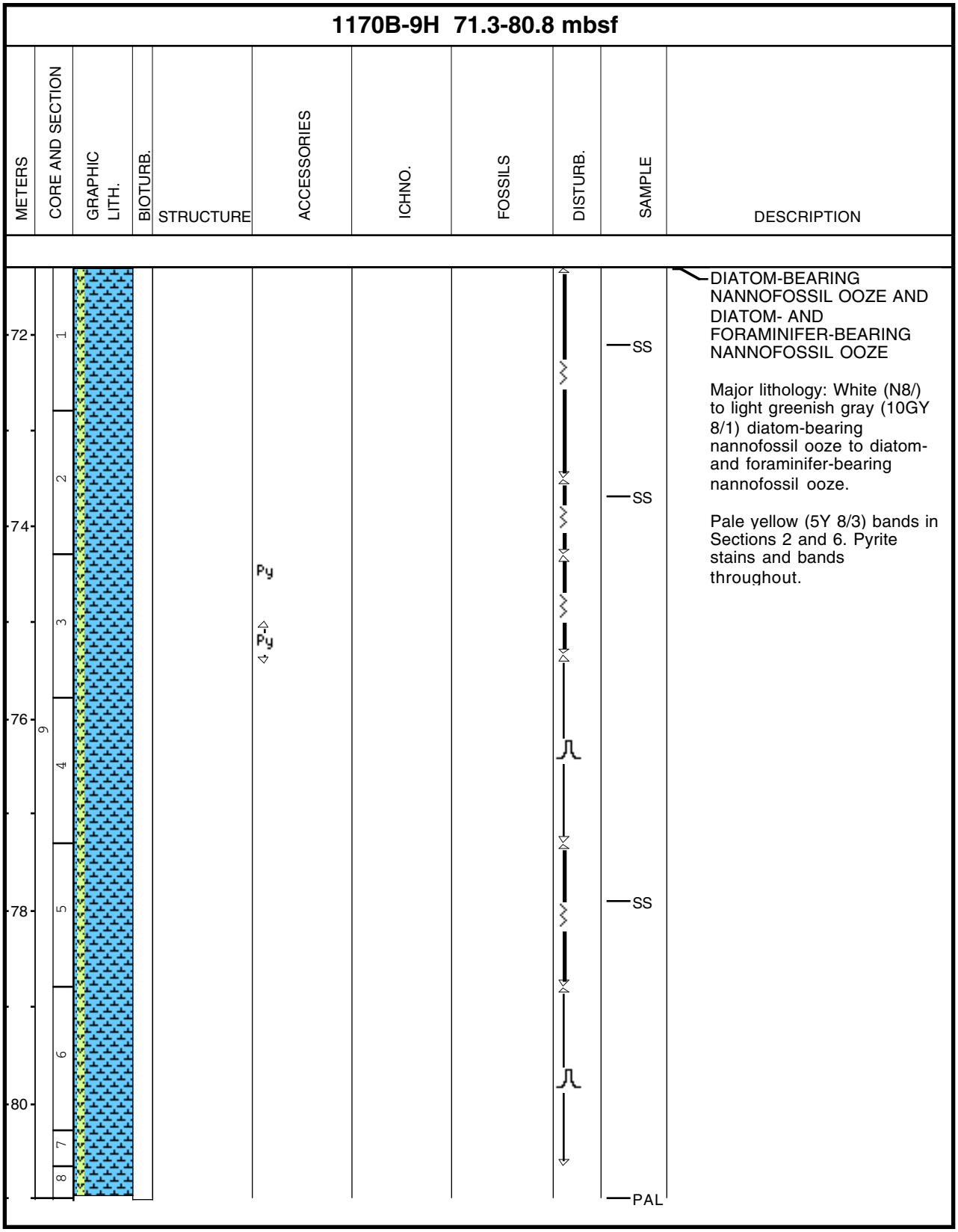
Core Photo


1170B-7H 52.3-61.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
54
56
58
60
62
1
2
3
4
5
6
7
8
SS
SS
SS
PAL
DIATOM- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE AND DIATOM-BEARING NANNOFOSSIL OOZE
Major lithology: Light greenish gray (10GY 8/1), greenish gray (10GY 5/1) and light olive gray (5Y 6/2) diatom- and foraminifer-bearing nannofossil ooze grading to diatom-bearing nannofossil ooze downcore.
Pyrite stains and bands in less disturbed sections.

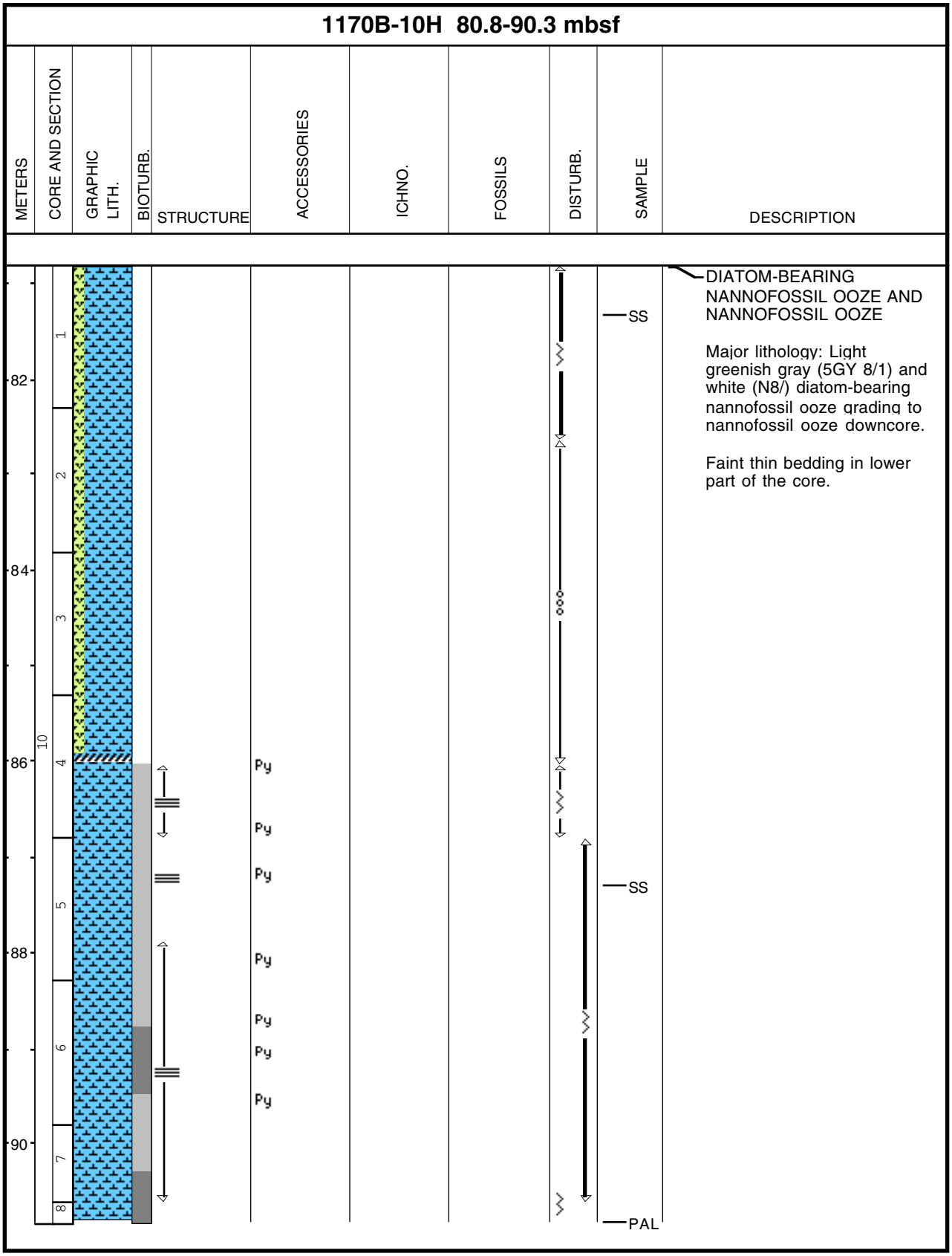
Core Photo


1170B-8H 61.8-71.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
62
64
66
68
70
Py
SS
PAL
DIATOM-BEARING NANNOFOSSIL OOZE
Major lithology: Light greenish gray (10GY 8/1) diatom-bearing nannofossil ooze.
Minor lithology: Bioclast and nannofossil-bearing diatom ooze in Section 3, 70-99 cm. Clay- and diatom-bearing nannofossil ooze in Section 3, 99 cm until Section 4, 26 cm.
Faint thin beds.

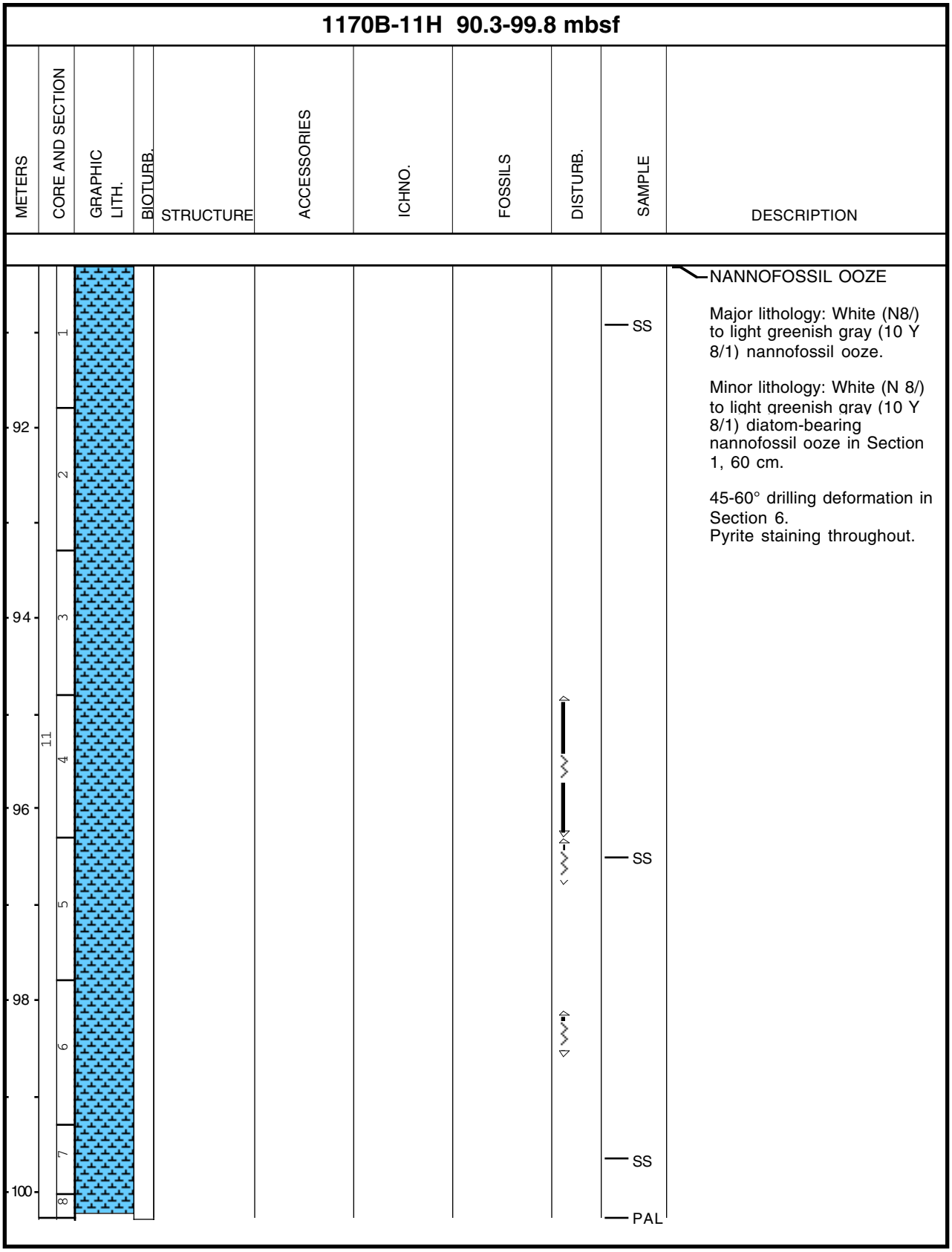
Core Photo


1170B-9H 71.3-80.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
72
74
76
78
80
9
1
2
3
4
5
6
7
8
Py
Py
SS
SS
SS
PAL
DIATOM-BEARING NANNOFOSSIL OOZE AND DIATOM- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) to light greenish gray (10GY 8/1) diatom-bearing nannofossil ooze to diatom- and foraminifer-bearing nannofossil ooze.
Pale yellow (5Y 8/3) bands in Sections 2 and 6. Pyrite stains and bands throughout.

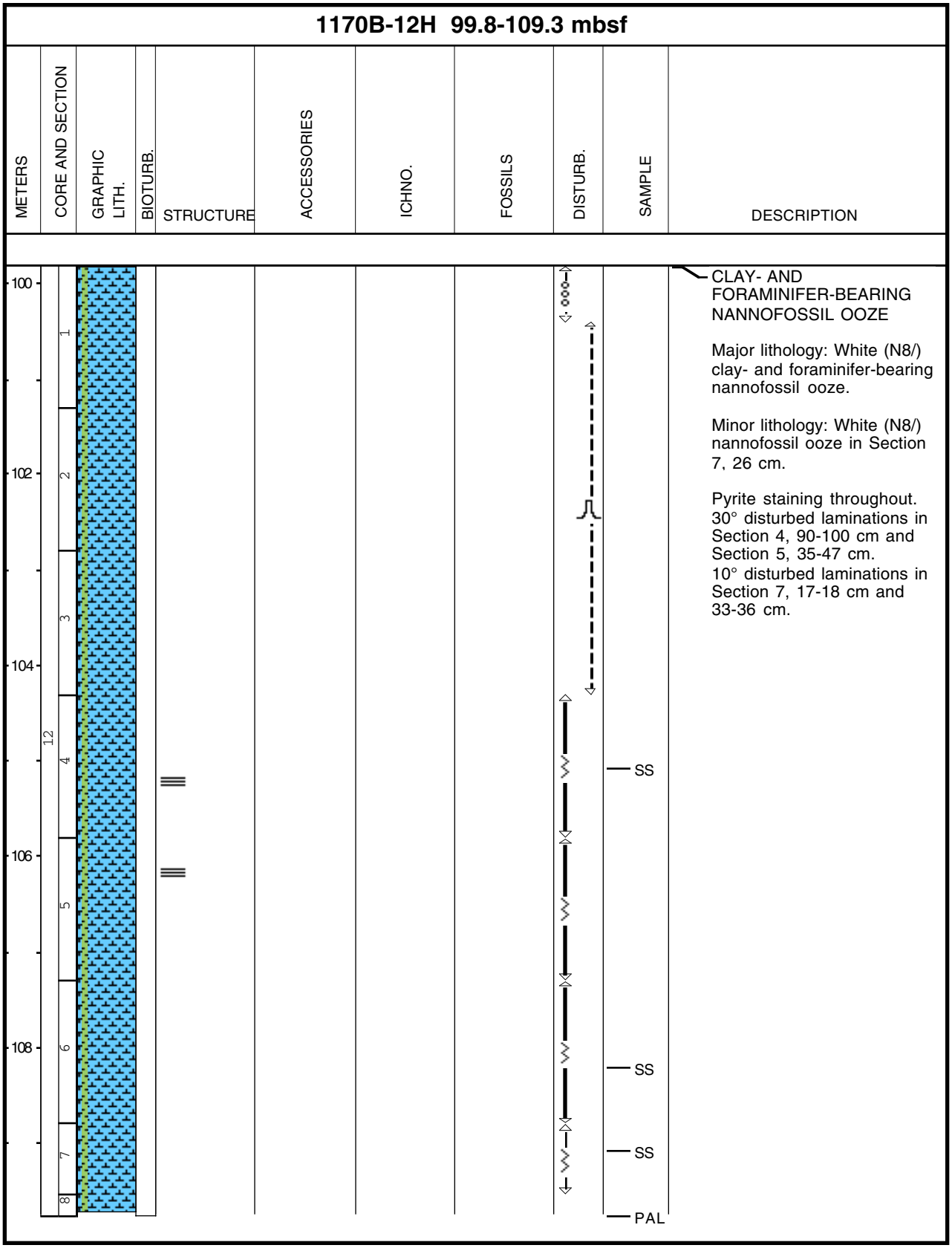
Core Photo


1170B-10H 80.8-90.3 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
Py
Py
Py
Py
Py
Py
Py
SS
SS
PAL
DIATOM-BEARING NANNOFOSSIL OOZE AND NANNOFOSSIL OOZE
Major lithology: Light greenish gray (5GY 8/1) and white (N8/) diatom-bearing nannofossil ooze grading to nannofossil ooze downcore.
Faint thin bedding in lower part of the core.

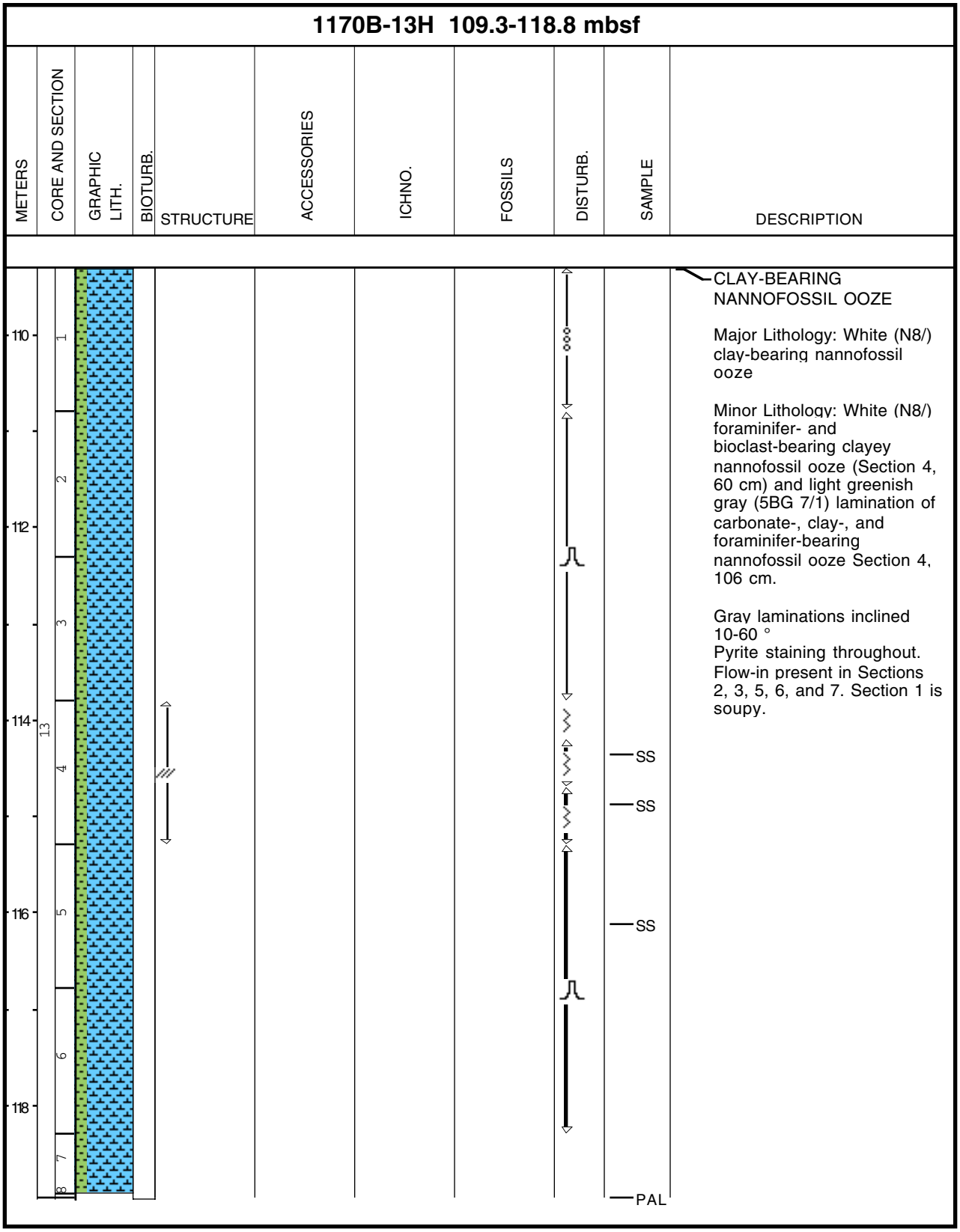
Core Photo


1170B-11H 90.3-99.8 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
SS
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N8/) to light greenish gray (10 Y 8/1) nannofossil ooze.
Minor lithology: White (N 8/) to light greenish gray (10 Y 8/1) diatom-bearing nannofossil ooze in Section 1, 60 cm.
45-60° drilling deformation in Section 6.
Pyrite staining throughout.

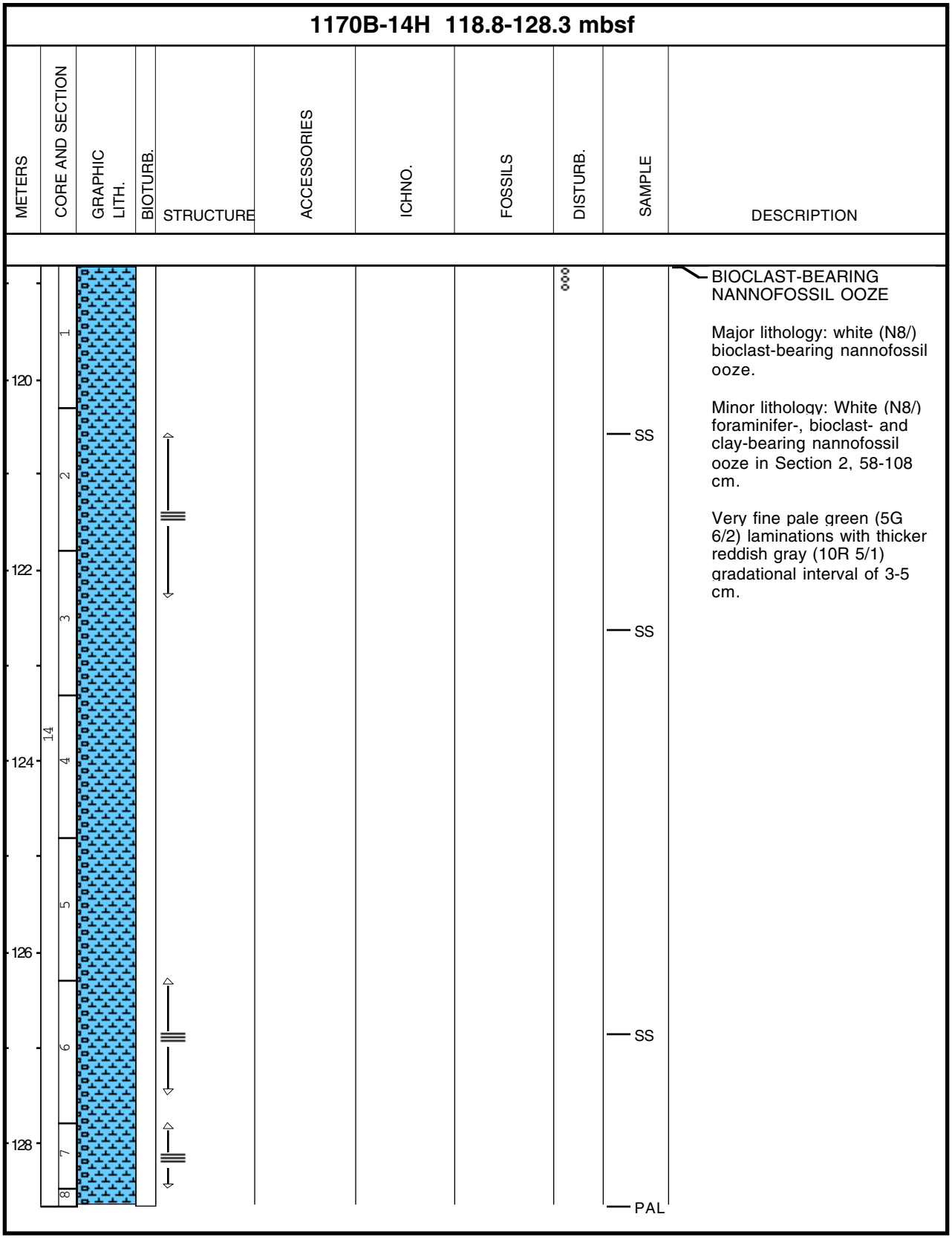
Core Photo


1170B-12H 99.8-109.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
100
102
104
106
108
12
1
2
3
4
5
6
7
8
SS
SS
SS
PAL
CLAY- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) clay- and foraminifer-bearing nannofossil ooze.
Minor lithology: White (N8/) nannofossil ooze in Section 7, 26 cm.
Pyrite staining throughout.
30° disturbed laminations in Section 4, 90-100 cm and Section 5, 35-47 cm.
10° disturbed laminations in Section 7, 17-18 cm and 33-36 cm.

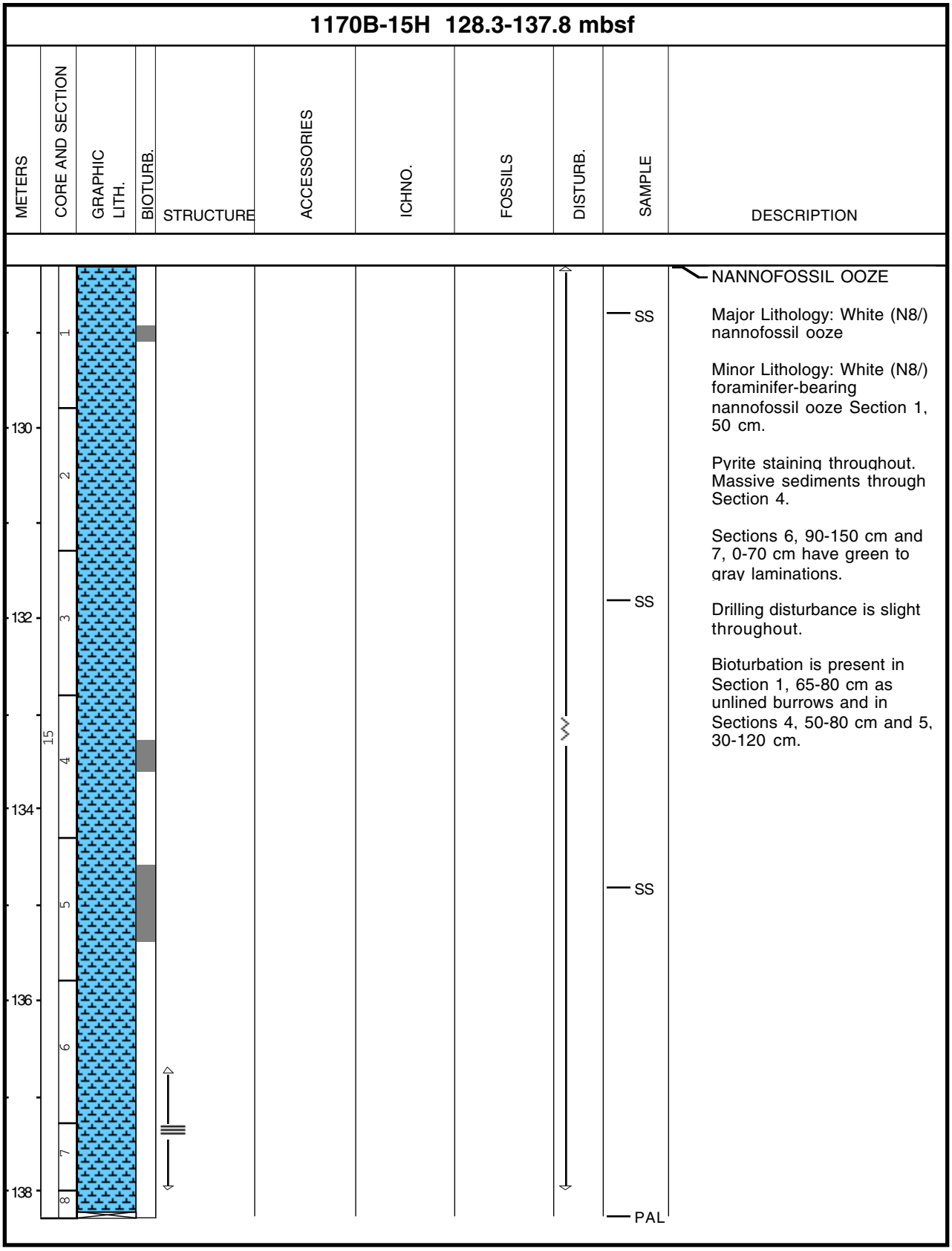
Core Photo


1170B-13H 109.3-118.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
110
112
114
116
118
1
2
3
4
5
6
7
8
13
SS
SS
SS
PAL
CLAY-BEARING NANNOFOSSIL OOZE
Major Lithology: White (N8/) clay-bearing nannofossil ooze
Minor Lithology: White (N8/) foraminifer- and bioclast-bearing clayey nannofossil ooze (Section 4, 60 cm) and light greenish gray (5BG 7/1) lamination of carbonate-, clay-, and foraminifer-bearing nannofossil ooze Section 4, 106 cm.
Gray laminations inclined 10-60 °
Pyrite staining throughout.
Flow-in present in Sections 2, 3, 5, 6, and 7. Section 1 is soupy.

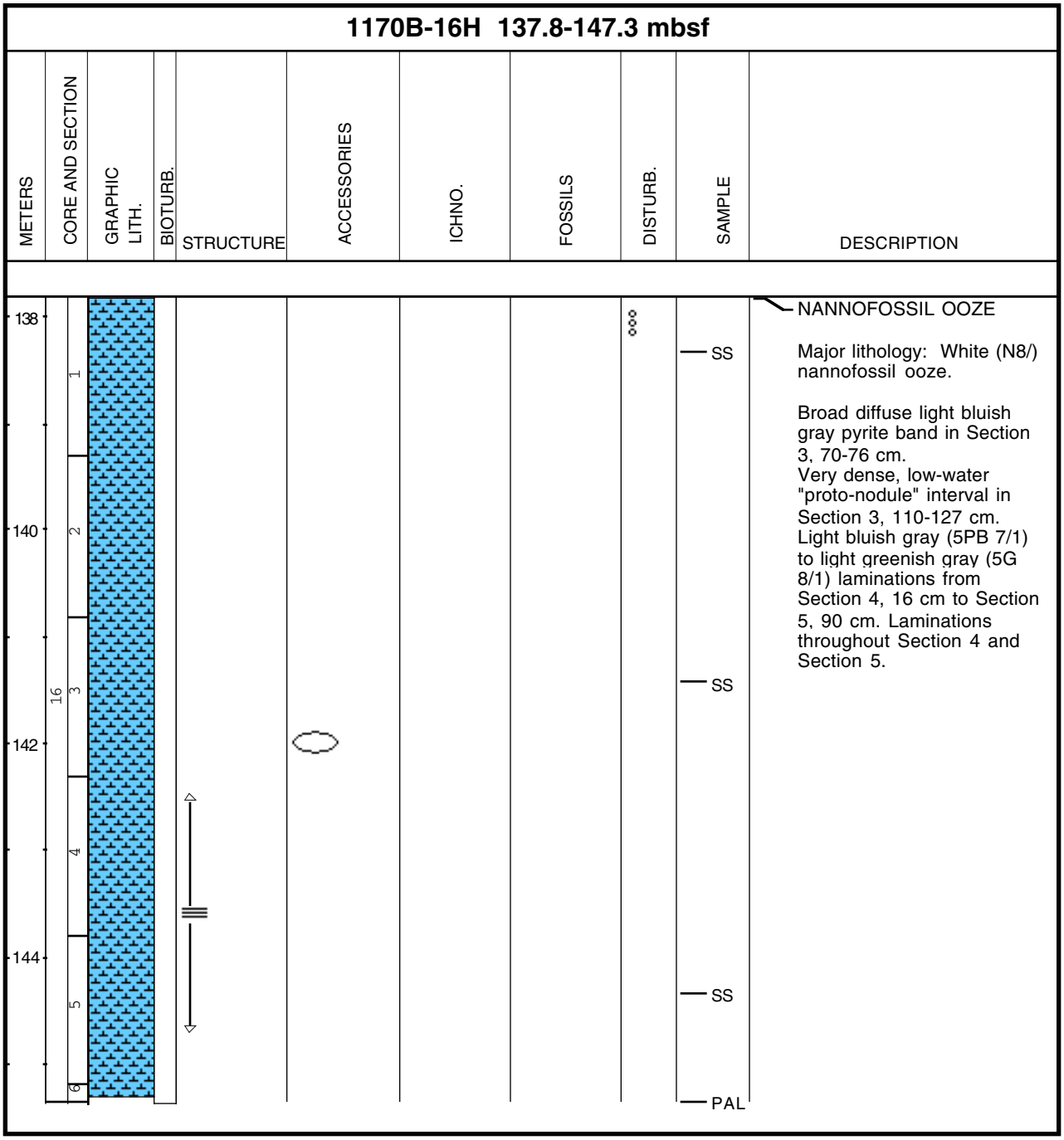
Core Photo


1170B-14H 118.8-128.3 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
PAL
BIOCLAST-BEARING NANNOFOSSIL OOZE
Major lithology: white (N8/) bioclast-bearing nannofossil ooze.
Minor lithology: White (N8/) foraminifer-, bioclast- and clay-bearing nannofossil ooze in Section 2, 58-108 cm.
Very fine pale green (5G 6/2) laminations with thicker reddish gray (10R 5/1) gradational interval of 3-5 cm.

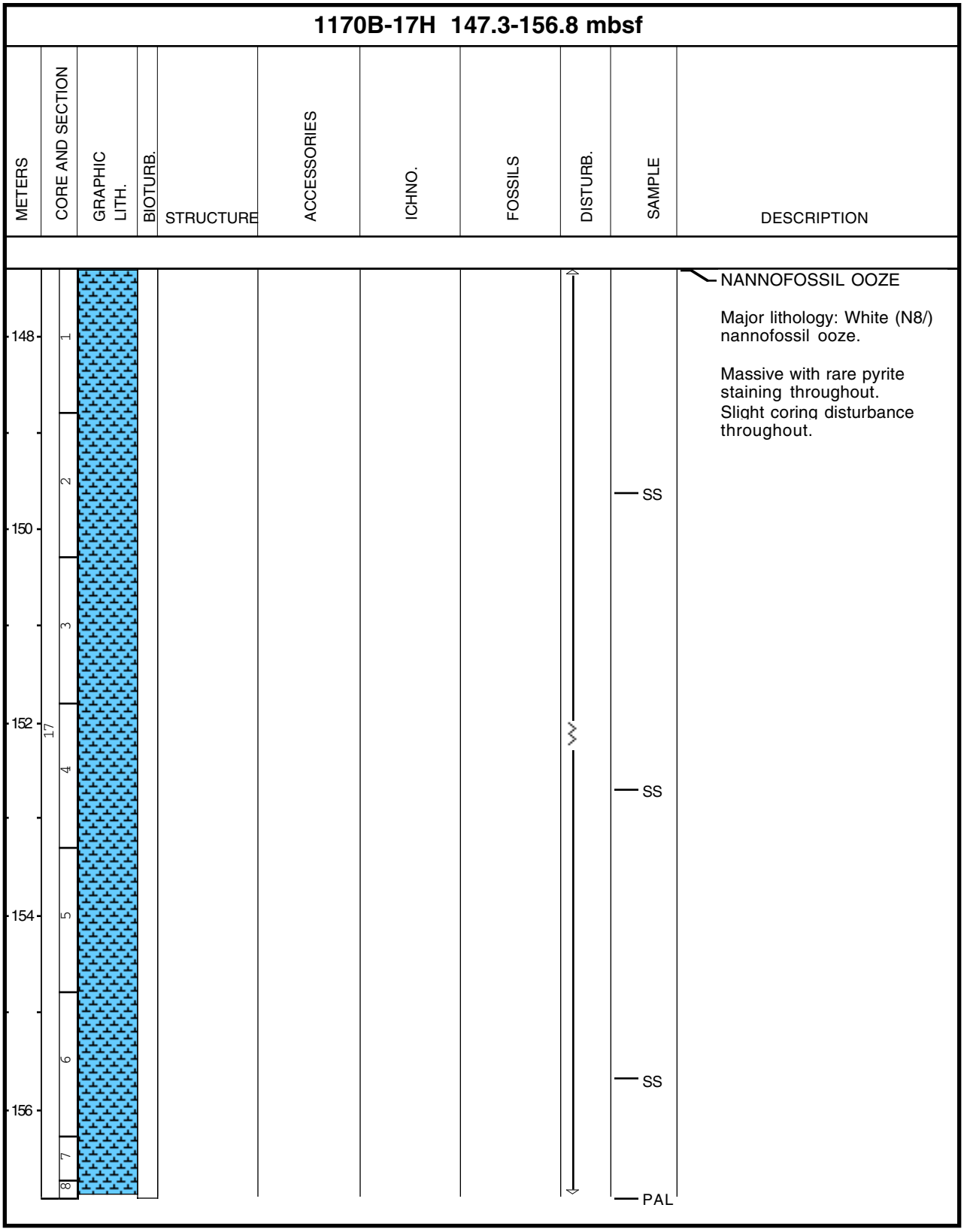
Core Photo


1170B-15H 128.3-137.8 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
8
SS
SS
SS
PAL
NANNOFOSSIL OOZE
Major Lithology: White (N8/) nannofossil ooze
Minor Lithology: White (N8/) foraminifer-bearing nannofossil ooze Section 1, 50 cm.
Pyrite staining throughout. Massive sediments through Section 4.
Sections 6, 90-150 cm and 7, 0-70 cm have green to gray laminations.
Drilling disturbance is slight throughout.
Bioturbation is present in Section 1, 65-80 cm as unlined burrows and in Sections 4, 50-80 cm and 5, 30-120 cm.

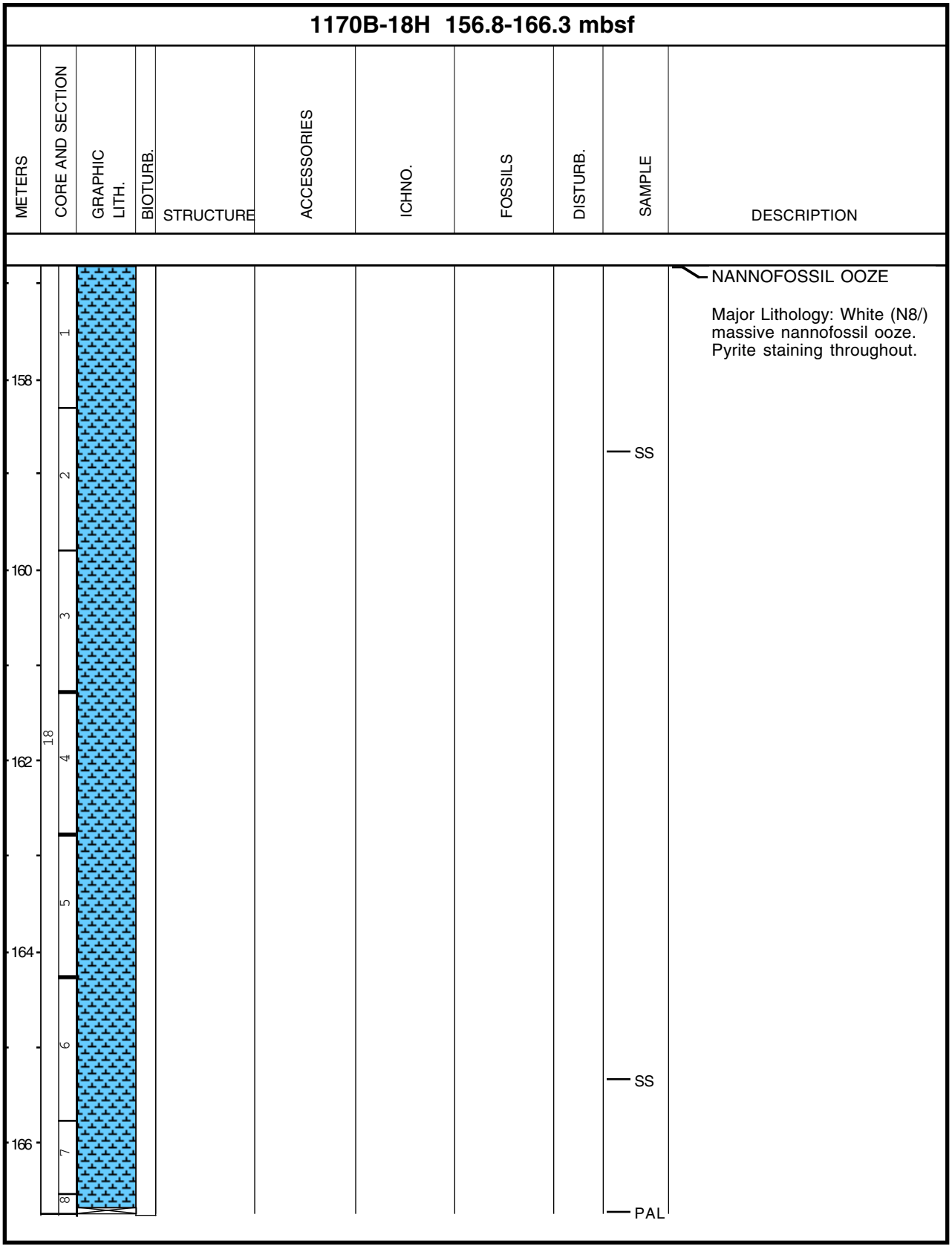
Core Photo


1170B-16H 137.8-147.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
138
140
142
144
16
1
2
3
4
5
6
SS
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N8/) nannofossil ooze.
Broad diffuse light bluish gray pyrite band in Section 3, 70-76 cm.
Very dense, low-water "proto-nodule" interval in Section 3, 110-127 cm.
Light bluish gray (5PB 7/1) to light greenish gray (5G 8/1) laminations from Section 4, 16 cm to Section 5, 90 cm. Laminations throughout Section 4 and Section 5.

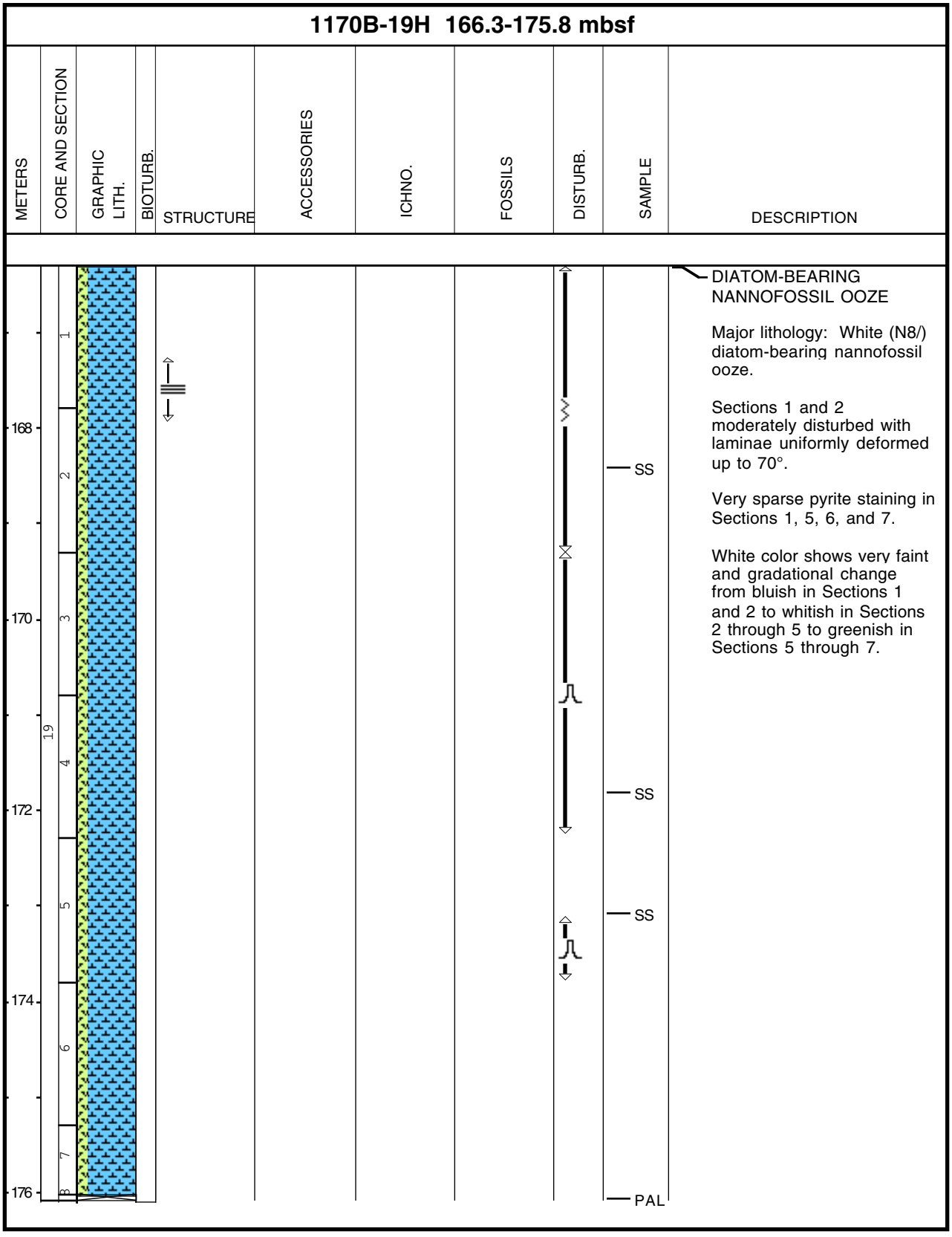
Core Photo


1170B-17H 147.3-156.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
148
150
152
154
156
17
1
2
3
4
5
6
7
8
SS
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N8/) nannofossil ooze.
Massive with rare pyrite staining throughout.
Slight coring disturbance throughout.

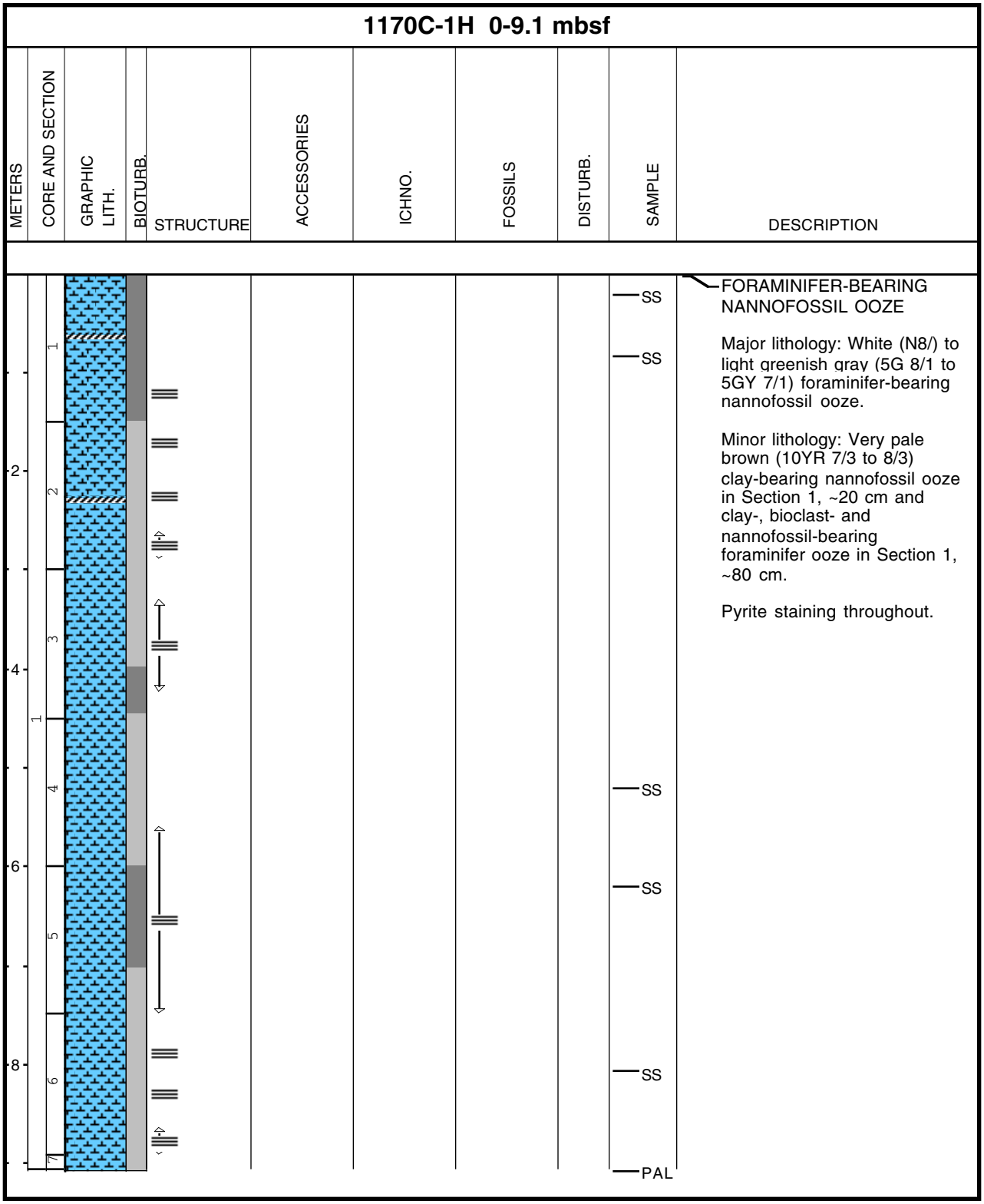
Core Photo


1170B-18H 156.8-166.3 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
SS
SS
PAL
NANNOFOSSIL OOZE
Major Lithology: White (N8/) massive nannofossil ooze. Pyrite staining throughout.

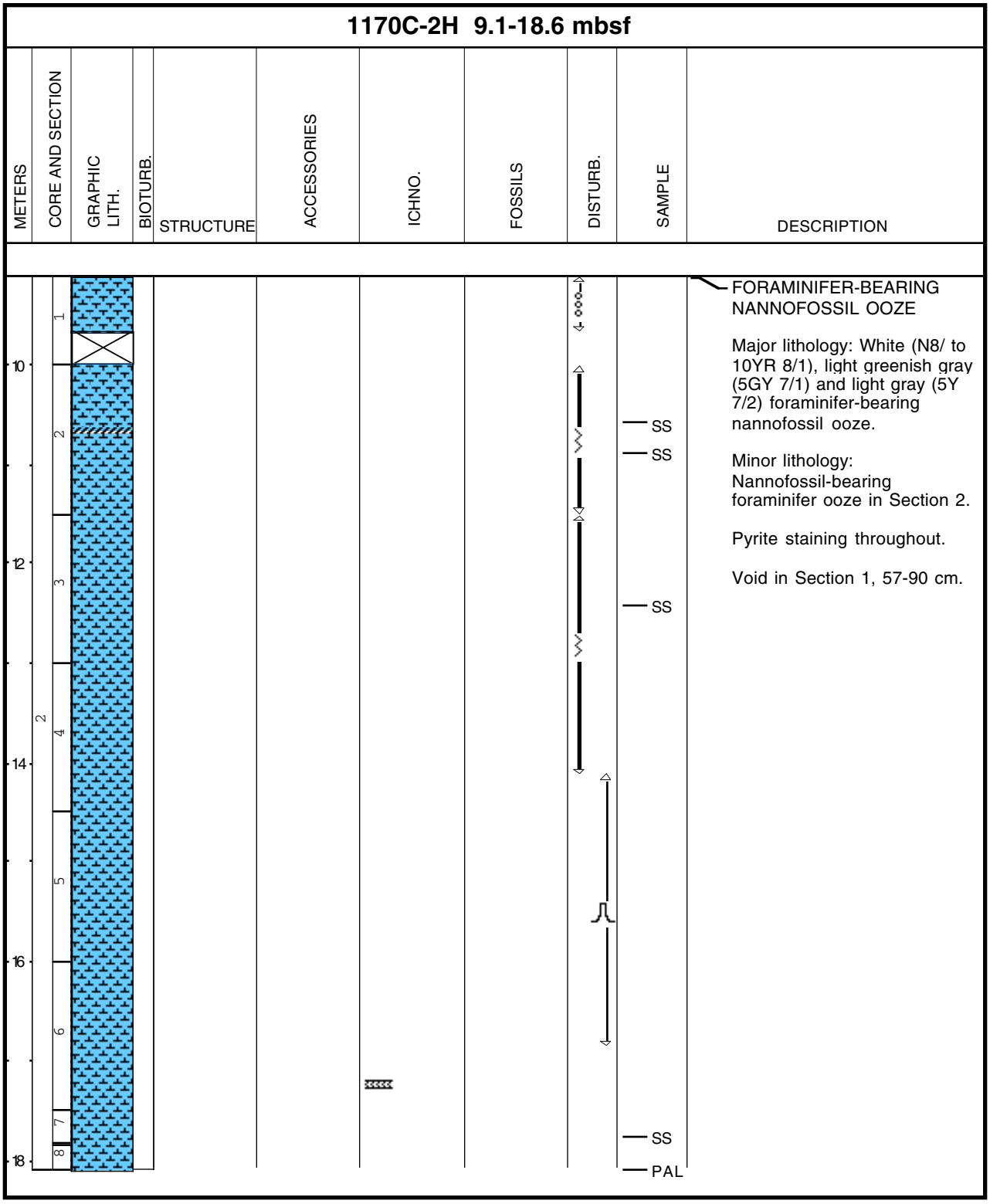
Core Photo


1170B-19H 166.3-175.8 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
SS
SS
PAL
DIATOM-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) diatom-bearing nannofossil ooze.
Sections 1 and 2 moderately disturbed with laminae uniformly deformed up to 70°.
Very sparse pyrite staining in Sections 1, 5, 6, and 7.
White color shows very faint and gradational change from bluish in Sections 1 and 2 to whitish in Sections 2 through 5 to greenish in Sections 5 through 7.

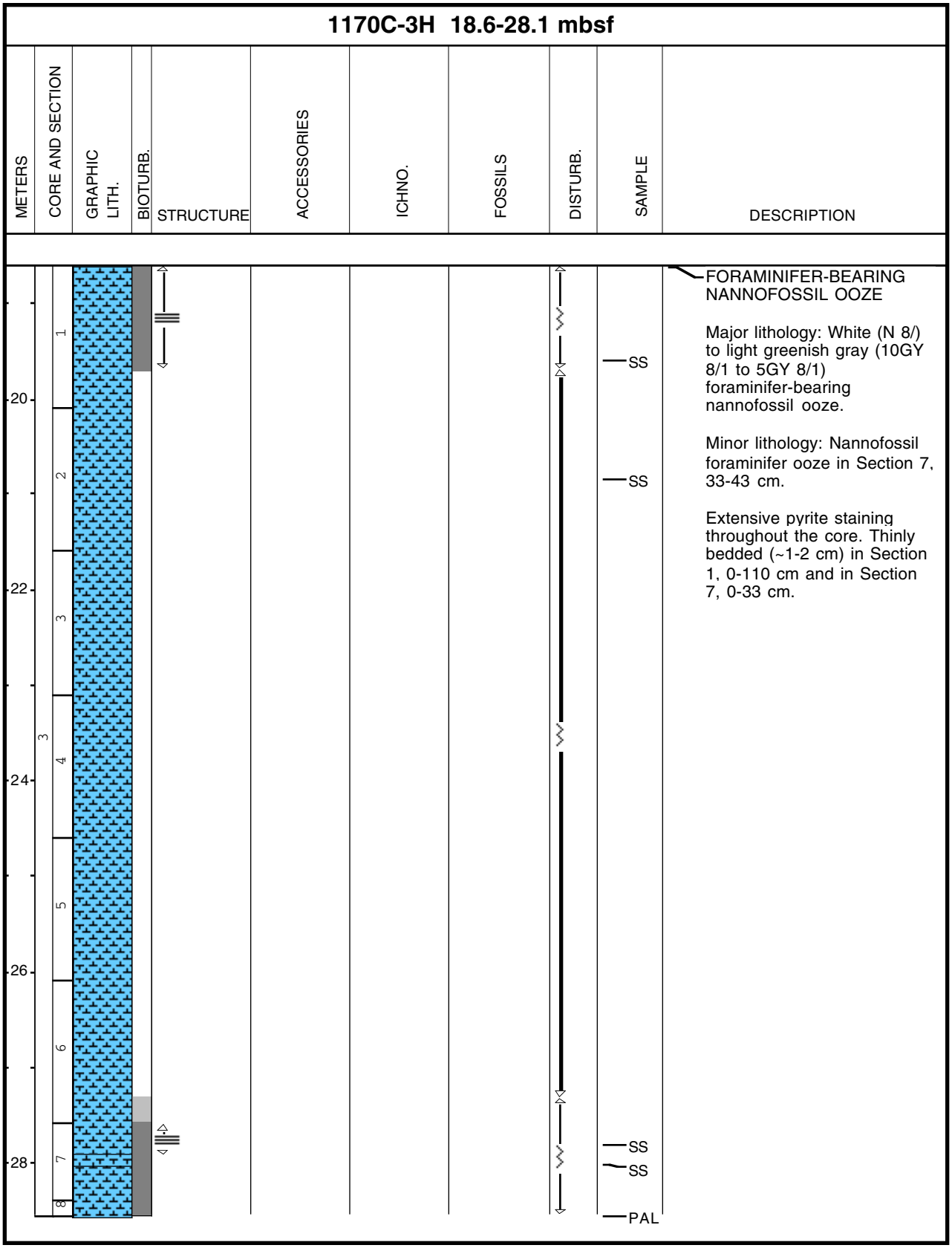
Core Photo


1170C-1H 0-9.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) to light greenish gray (5G 8/1 to 5GY 7/1) foraminifer-bearing nannofossil ooze.
Minor lithology: Very pale brown (10YR 7/3 to 8/3) clay-bearing nannofossil ooze in Section 1, ~20 cm and clay-, bioclast- and nannofossil-bearing foraminifer ooze in Section 1, ~80 cm.
Pyrite staining throughout.

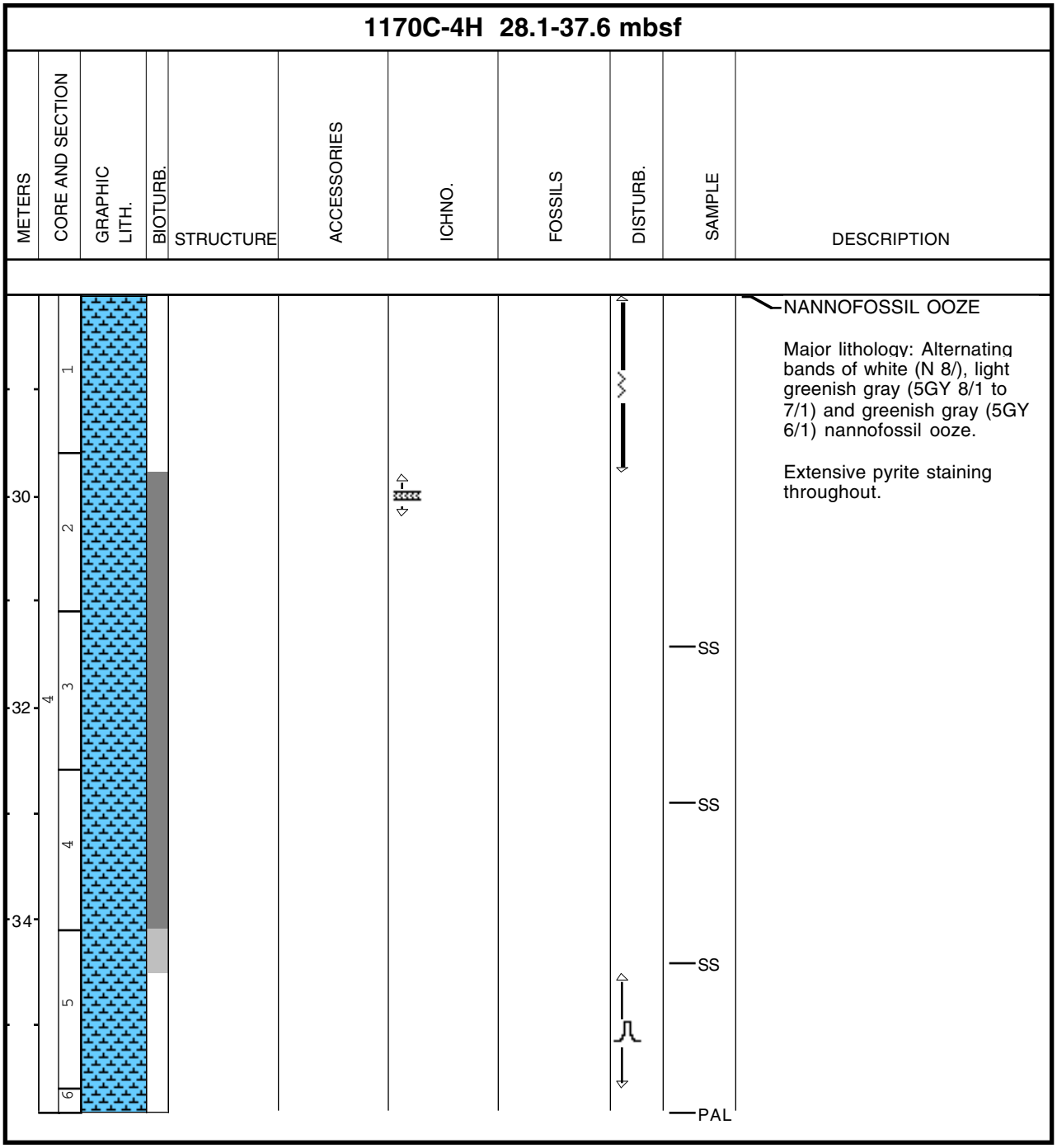
Core Photo


1170C-2H 9.1-18.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
10
12
14
16
18
1
2
3
4
5
6
7
8
SS
SS
SS
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/ to 10YR 8/1), light greenish gray (5GY 7/1) and light gray (5Y 7/2) foraminifer-bearing nannofossil ooze.
Minor lithology: Nannofossil-bearing foraminifer ooze in Section 2.
Pyrite staining throughout.
Void in Section 1, 57-90 cm.

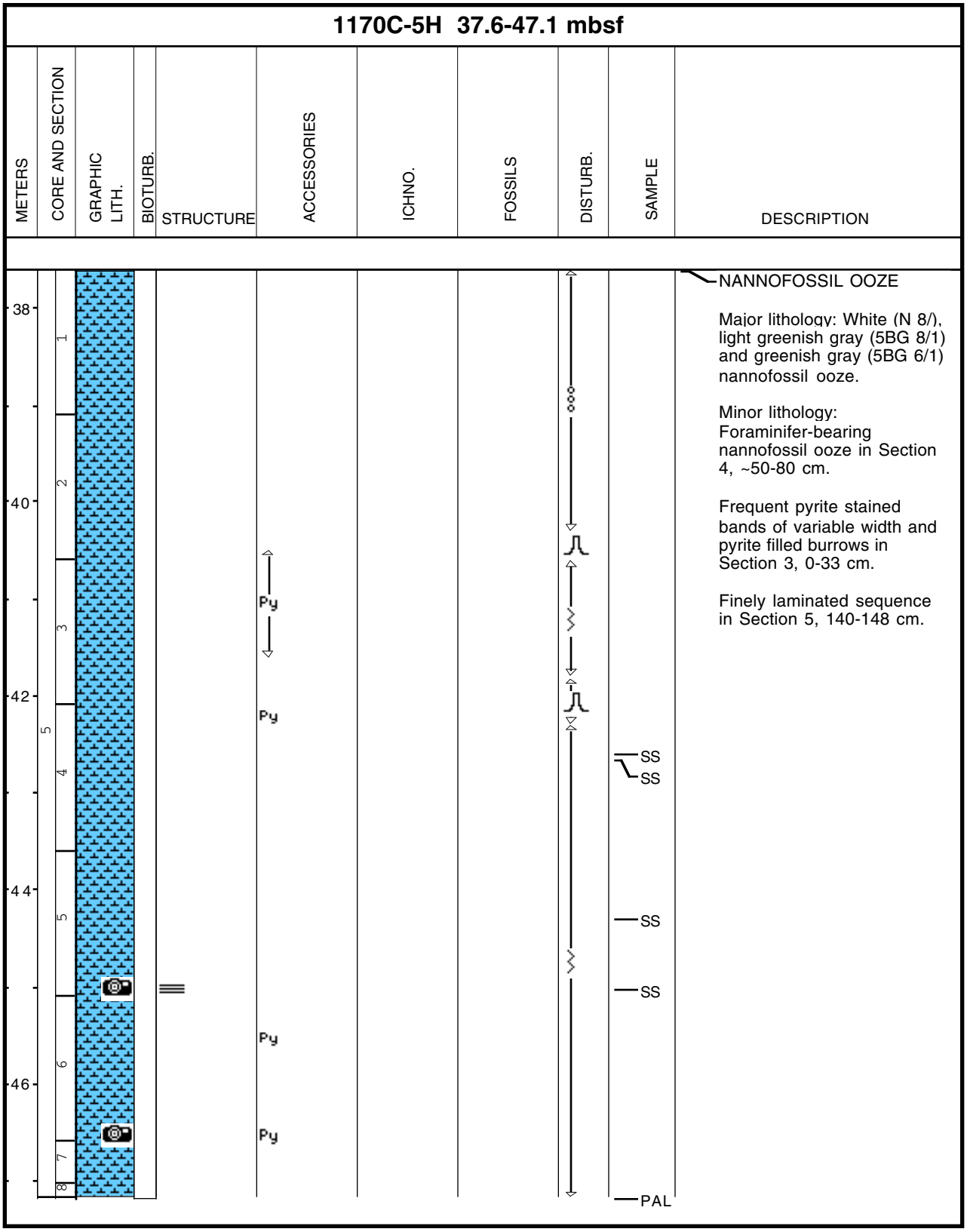
Core Photo


1170C-3H 18.6-28.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
20
22
24
26
28
1
2
3
4
5
6
7
8
SS
SS
SS
SS
PAL
FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: White (N 8/) to light greenish gray (10GY 8/1 to 5GY 8/1) foraminifer-bearing nannofossil ooze.
Minor lithology: Nannofossil foraminifer ooze in Section 7, 33-43 cm.
Extensive pyrite staining throughout the core. Thinly bedded (~1-2 cm) in Section 1, 0-110 cm and in Section 7, 0-33 cm.

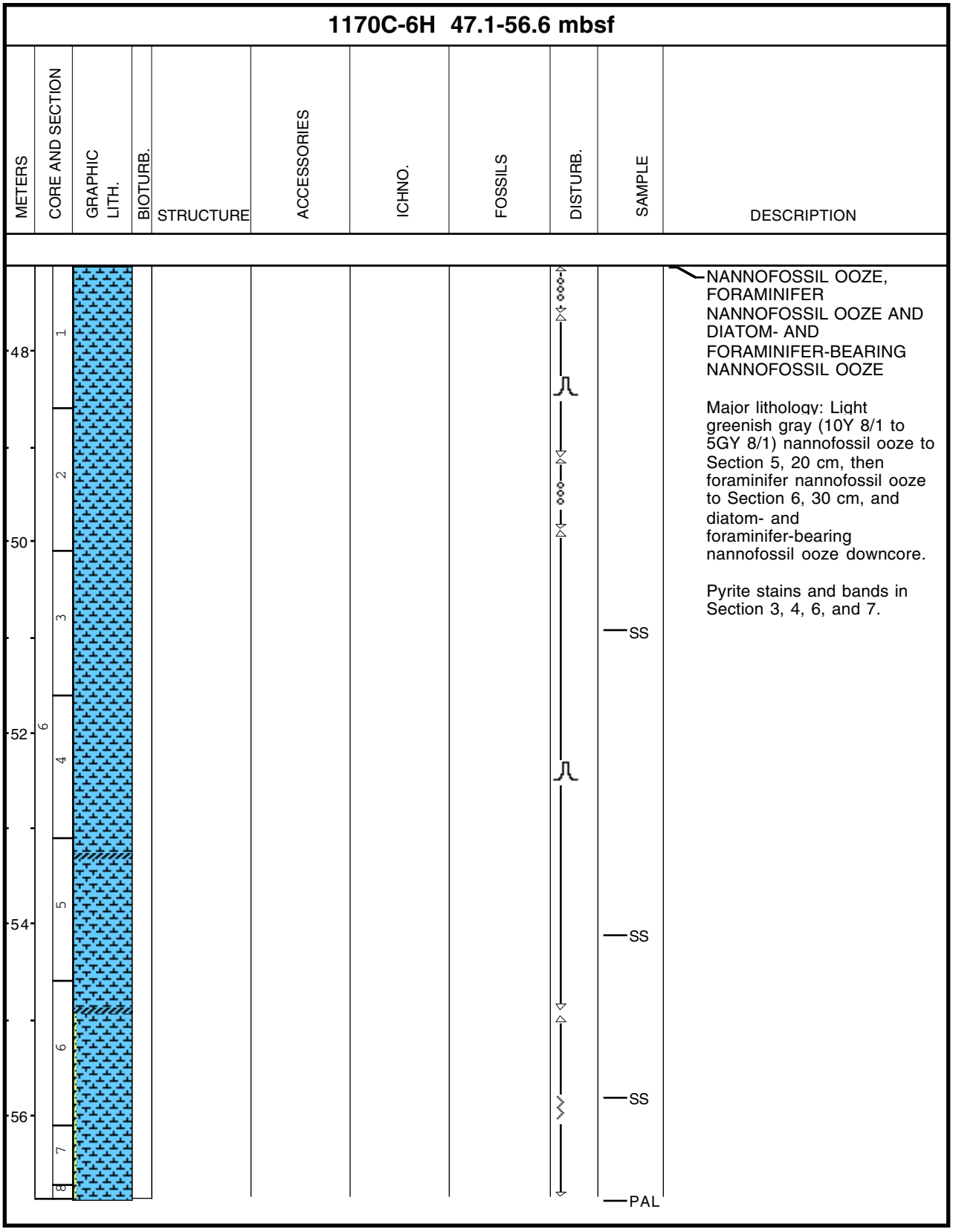
Core Photo


1170C-4H 28.1-37.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
30
32
34
1
2
3
4
5
6
SS
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: Alternating bands of white (N 8/), light greenish gray (5GY 8/1 to 7/1) and greenish gray (5GY 6/1) nannofossil ooze.
Extensive pyrite staining throughout.

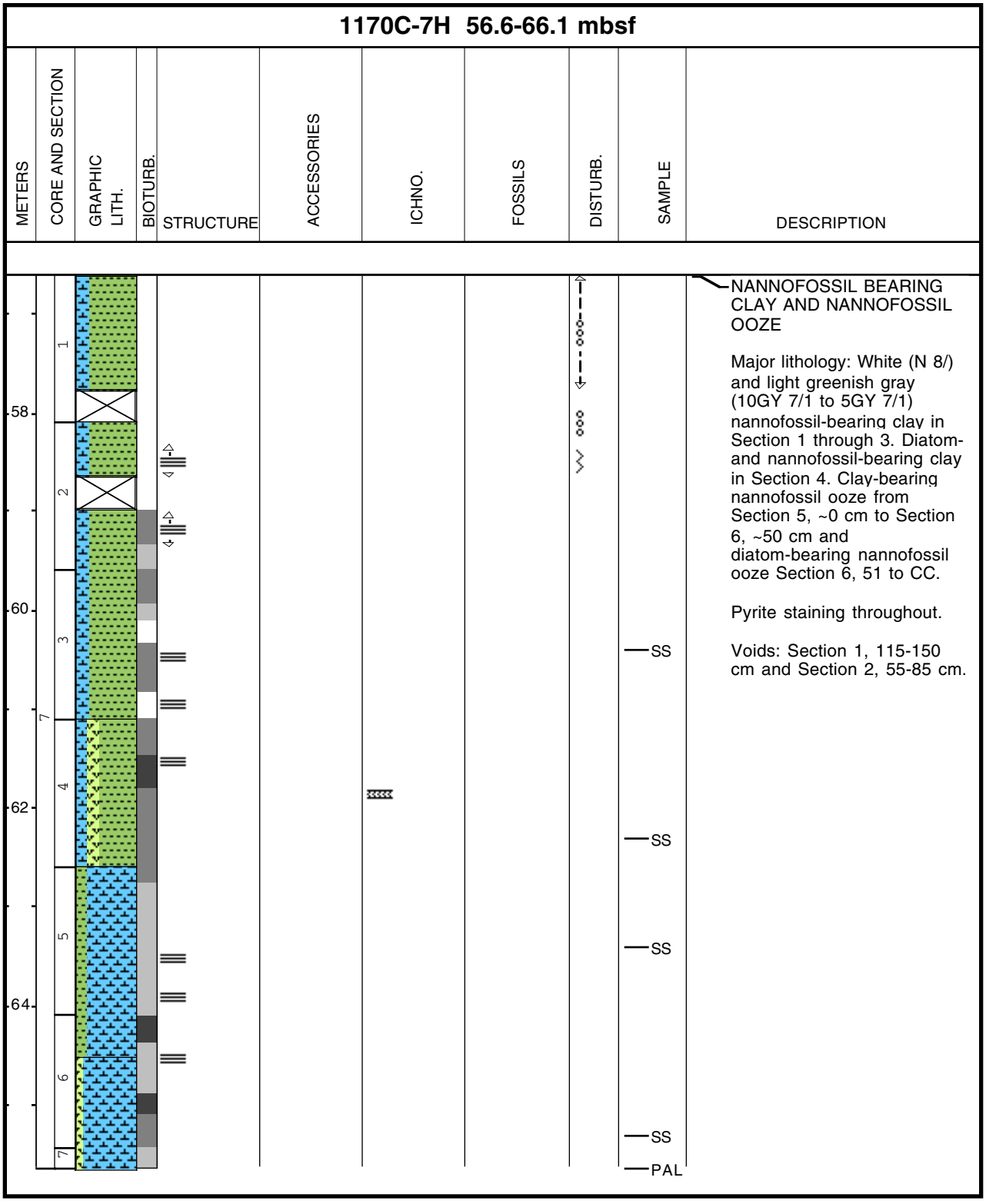
Core Photo


1170C-5H 37.6-47.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
38
40
42
44
46
1
2
3
4
5
6
7
8
Py
Py
Py
Py
SS
SS
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N 8/), light greenish gray (5BG 8/1) and greenish gray (5BG 6/1) nannofossil ooze.
Minor lithology: Foraminifer-bearing nannofossil ooze in Section 4, ~50-80 cm.
Frequent pyrite stained bands of variable width and pyrite filled burrows in Section 3, 0-33 cm.
Finely laminated sequence in Section 5, 140-148 cm.

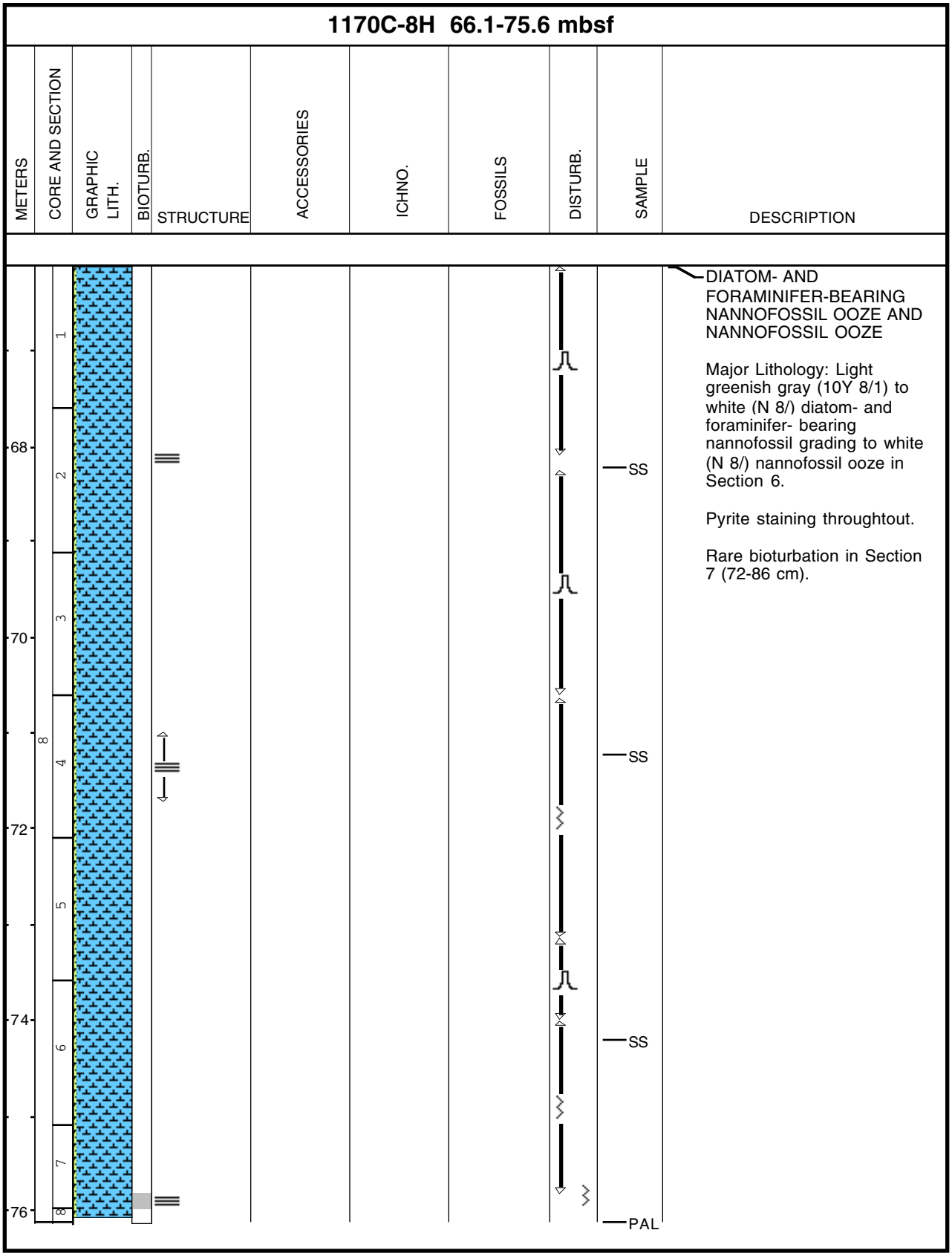
Core Photo


1170C-6H 47.1-56.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
48
50
52
54
56
1
2
3
4
5
6
7
8
6
SS
SS
SS
PAL
NANNOFOSSIL OOZE, FORAMINIFER NANNOFOSSIL OOZE AND DIATOM- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major lithology: Light greenish gray (10Y 8/1 to 5GY 8/1) nannofossil ooze to Section 5, 20 cm, then foraminifer nannofossil ooze to Section 6, 30 cm, and diatom- and foraminifer-bearing nannofossil ooze downcore.
Pyrite stains and bands in Section 3, 4, 6, and 7.

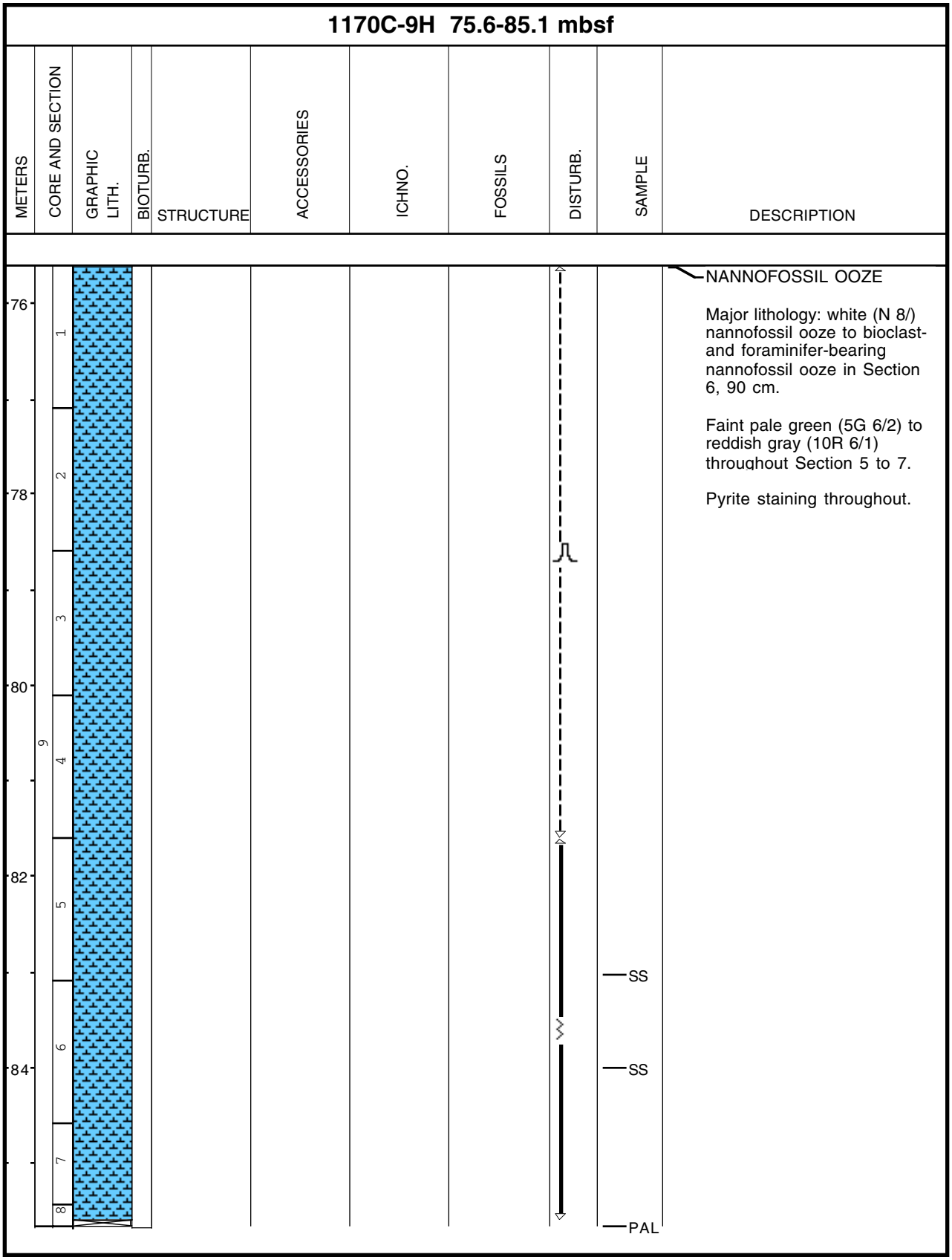
Core Photo


1170C-7H 56.6-66.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
58
60
62
64
1
2
3
4
5
6
7
SS
SS
SS
SS
PAL
NANNOFOSSIL BEARING CLAY AND NANNOFOSSIL OOZE
Major lithology: White (N 8/) and light greenish gray (10GY 7/1 to 5GY 7/1) nannofossil-bearing clay in Section 1 through 3. Diatom- and nannofossil-bearing clay in Section 4. Clay-bearing nannofossil ooze from Section 5, ~0 cm to Section 6, ~50 cm and diatom-bearing nannofossil ooze Section 6, 51 to CC.
Pyrite staining throughout.
Voids: Section 1, 115-150 cm and Section 2, 55-85 cm.

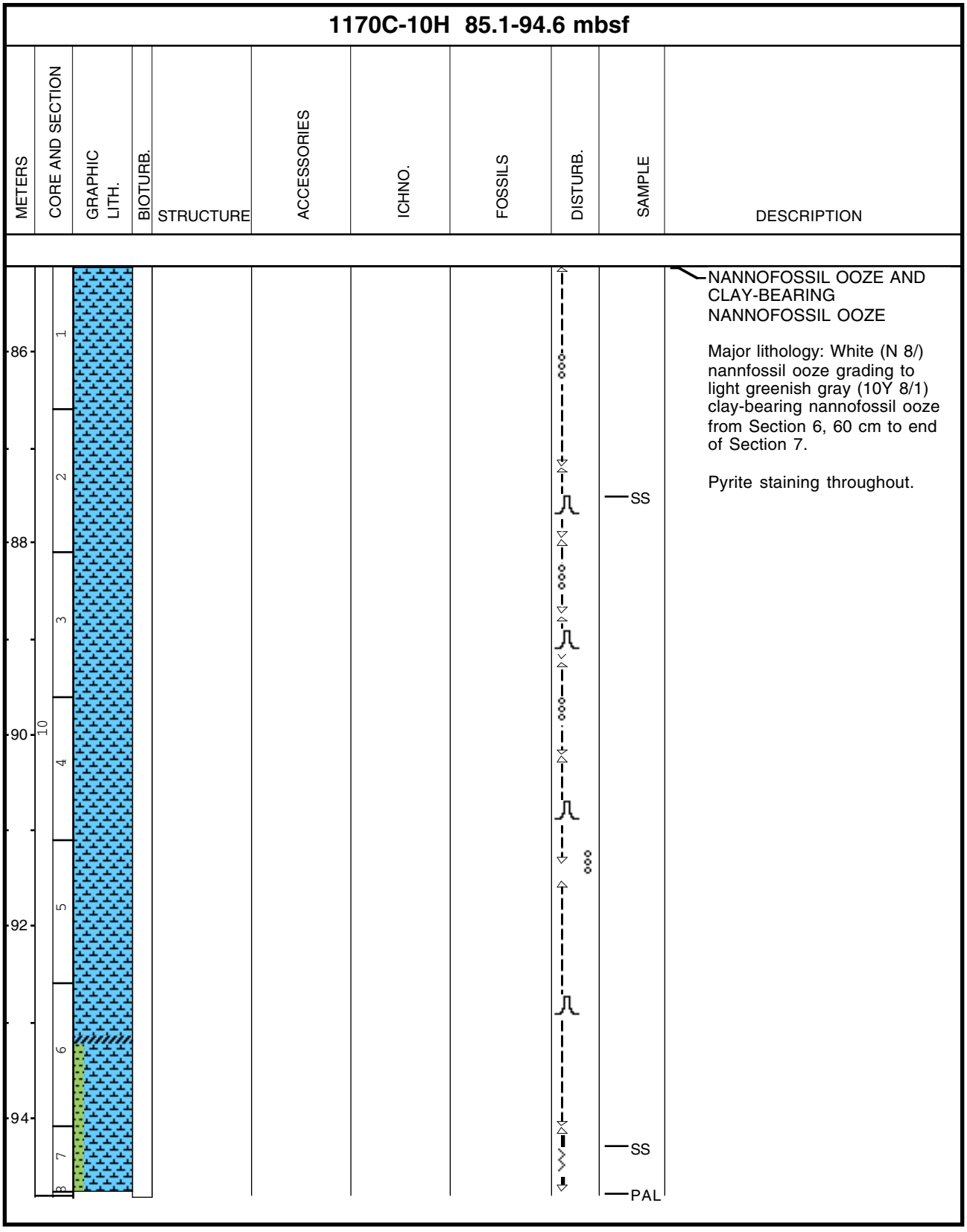
Core Photo


1170C-8H 66.1-75.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
68
70
72
74
76
1
2
3
4
5
6
7
8
SS
SS
SS
PAL
DIATOM- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE AND NANNOFOSSIL OOZE
Major Lithology: Light greenish gray (10Y 8/1) to white (N 8/) diatom- and foraminifer- bearing nannofossil grading to white (N 8/) nannofossil ooze in Section 6.
Pyrite staining throughtout.
Rare bioturbation in Section 7 (72-86 cm).

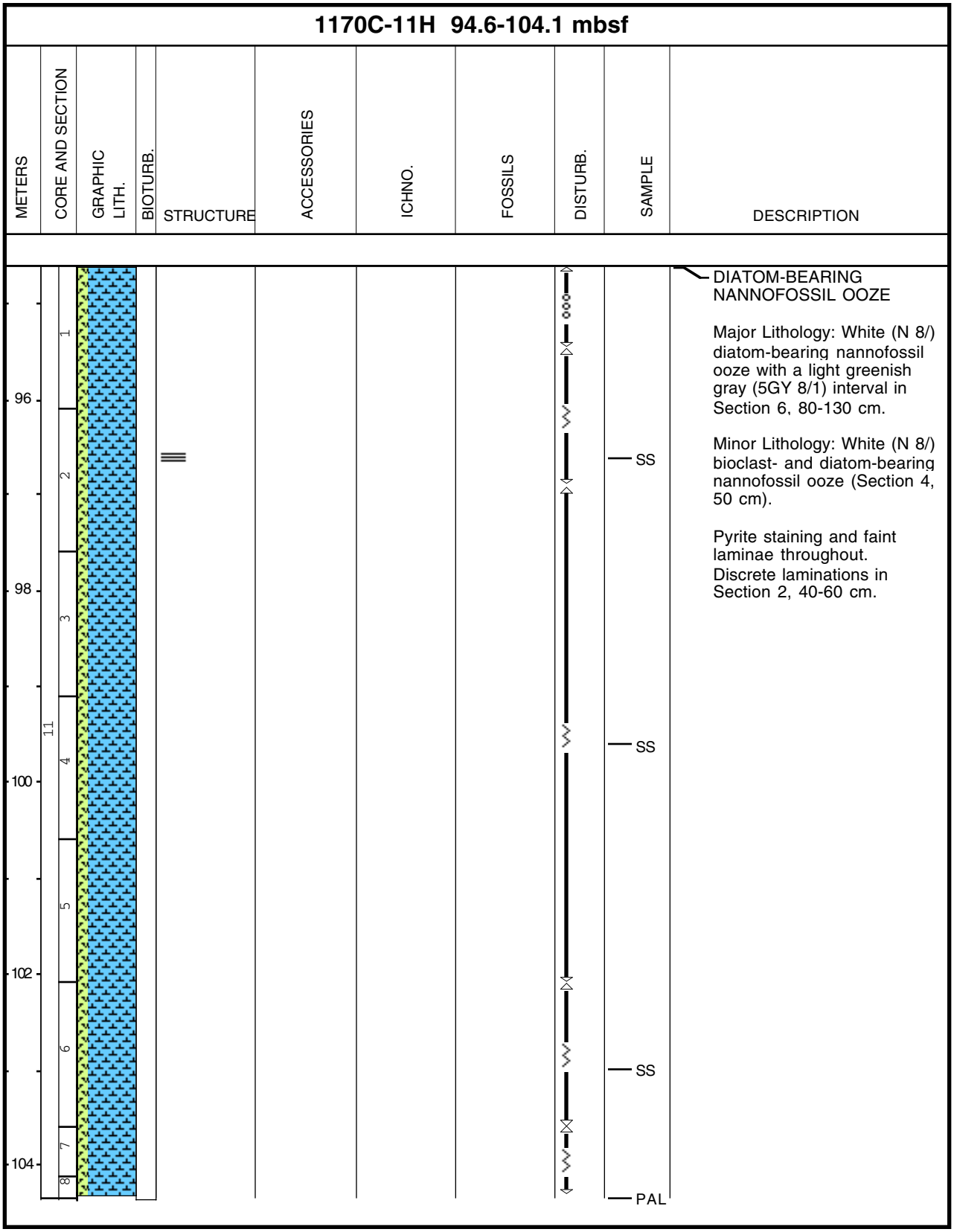
Core Photo


1170C-9H 75.6-85.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
76
78
80
82
84
9
1
2
3
4
5
6
7
8
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: white (N 8/) nannofossil ooze to bioclast- and foraminifer-bearing nannofossil ooze in Section 6, 90 cm.
Faint pale green (5G 6/2) to reddish gray (10R 6/1) throughout Section 5 to 7.
Pyrite staining throughout.

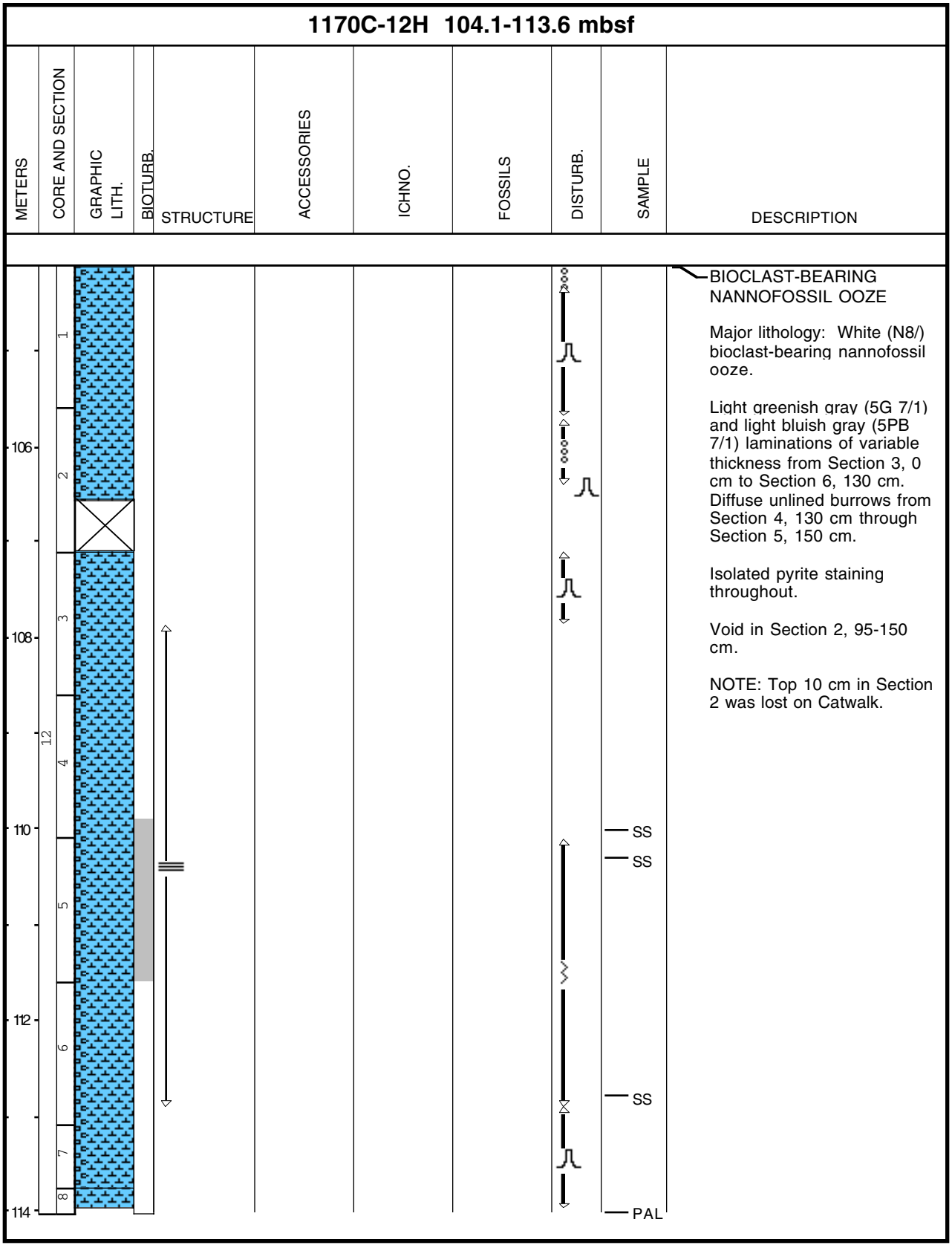
Core Photo


1170C-10H 85.1-94.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
86
88
90
92
94
1
2
3
4
5
6
7
CC
10
SS
SS
PAL
NANNOFOSSIL OOZE AND CLAY-BEARING NANNOFOSSIL OOZE
Major lithology: White (N 8/) nannfossil ooze grading to light greenish gray (10Y 8/1) clay-bearing nannofossil ooze from Section 6, 60 cm to end of Section 7.
Pyrite staining throughout.

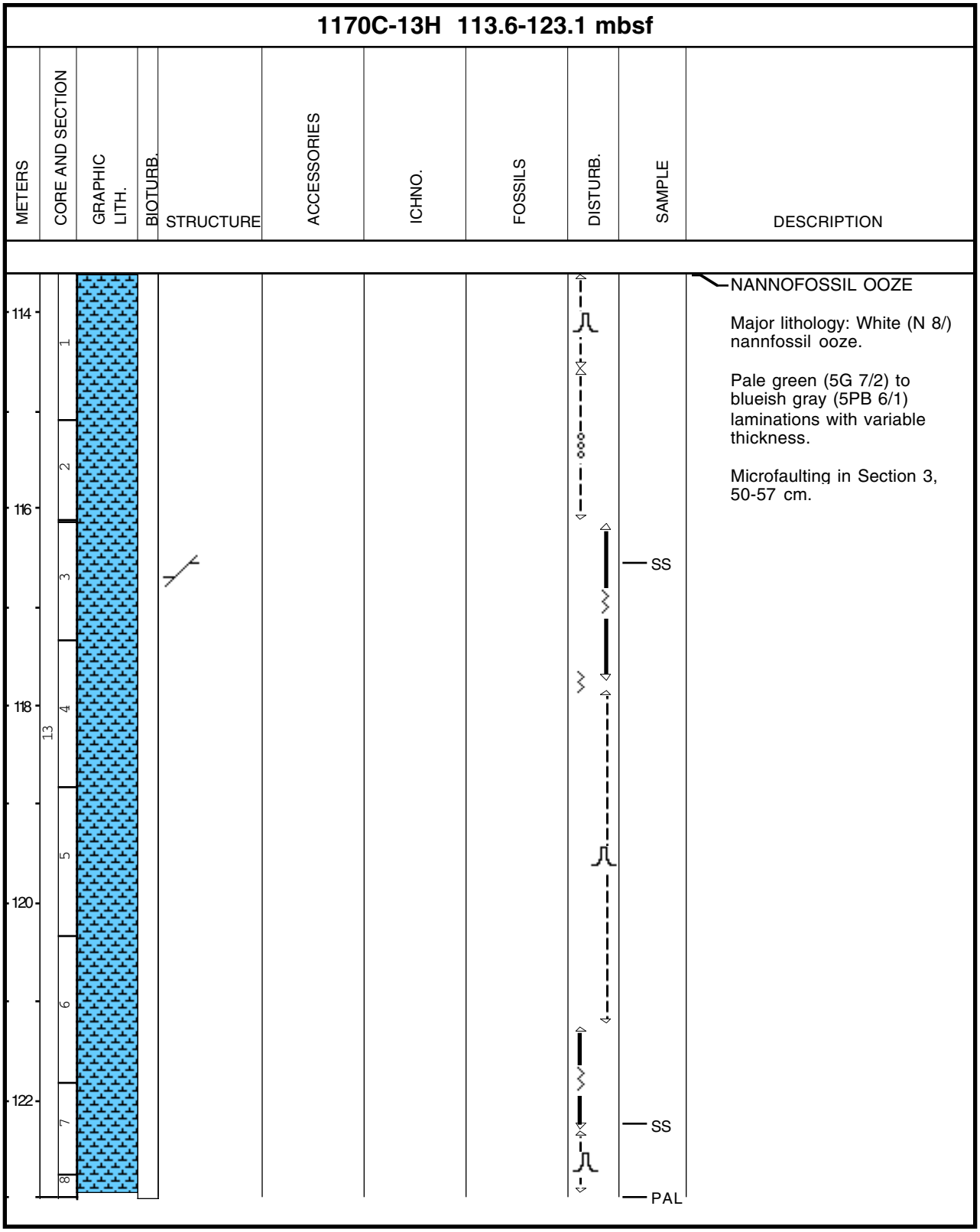
Core Photo


1170C-11H 94.6-104.1 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
8
SS
SS
SS
PAL
DIATOM-BEARING NANNOFOSSIL OOZE
Major Lithology: White (N 8/) diatom-bearing nannofossil ooze with a light greenish gray (5GY 8/1) interval in Section 6, 80-130 cm.
Minor Lithology: White (N 8/) bioclast- and diatom-bearing nannofossil ooze (Section 4, 50 cm).
Pyrite staining and faint laminae throughout.
Discrete laminations in Section 2, 40-60 cm.

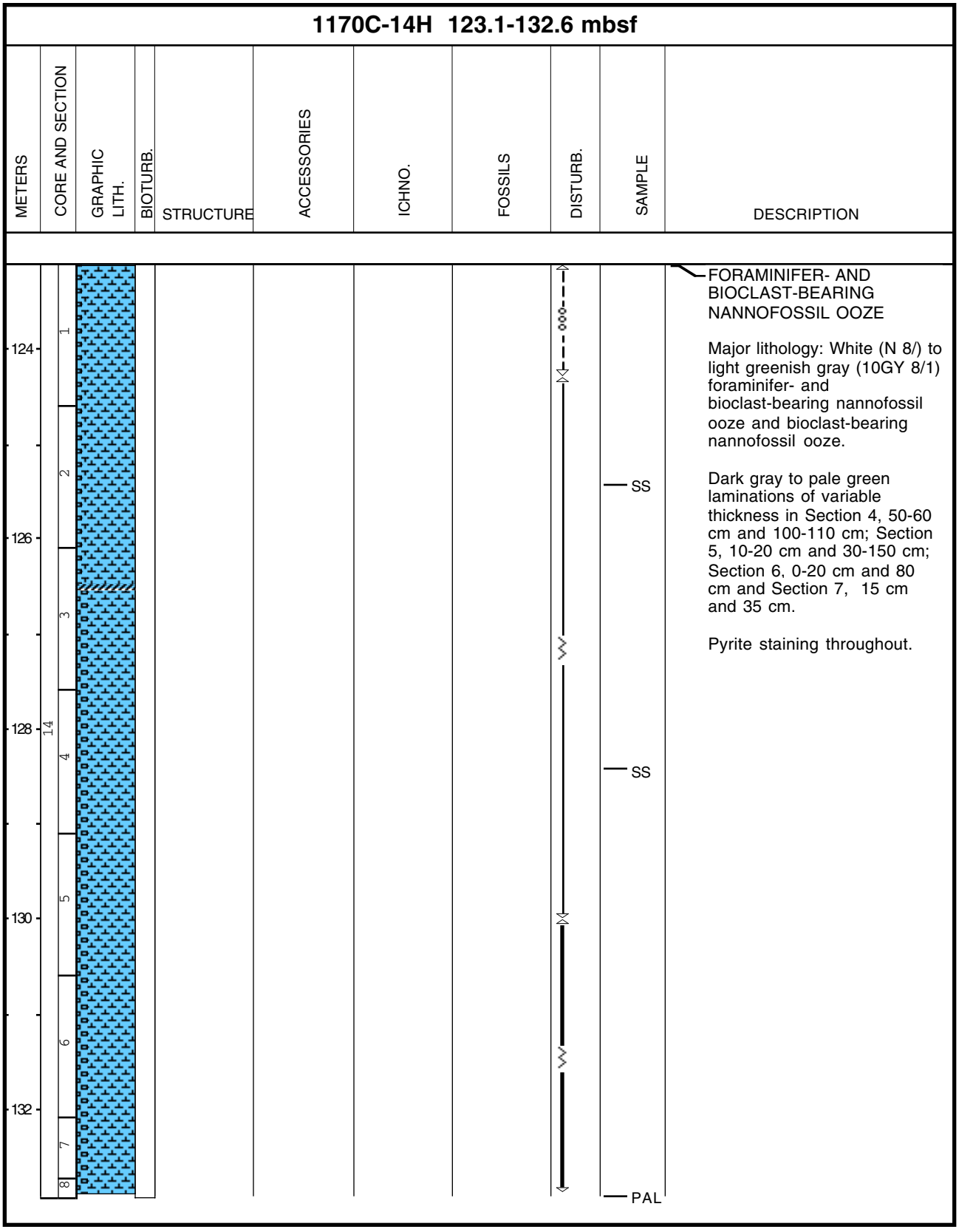
Core Photo


1170C-12H 104.1-113.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
106
108
110
112
114
1
2
3
4
5
6
7
8
12
SS
SS
SS
PAL
BIOCLAST-BEARING NANNOFOSSIL OOZE
Major lithology: White (N8/) bioclast-bearing nannofossil ooze.
Light greenish gray (5G 7/1) and light bluish gray (5PB 7/1) laminations of variable thickness from Section 3, 0 cm to Section 6, 130 cm. Diffuse unlined burrows from Section 4, 130 cm through Section 5, 150 cm.
Isolated pyrite staining throughout.
Void in Section 2, 95-150 cm.
NOTE: Top 10 cm in Section 2 was lost on Catwalk.

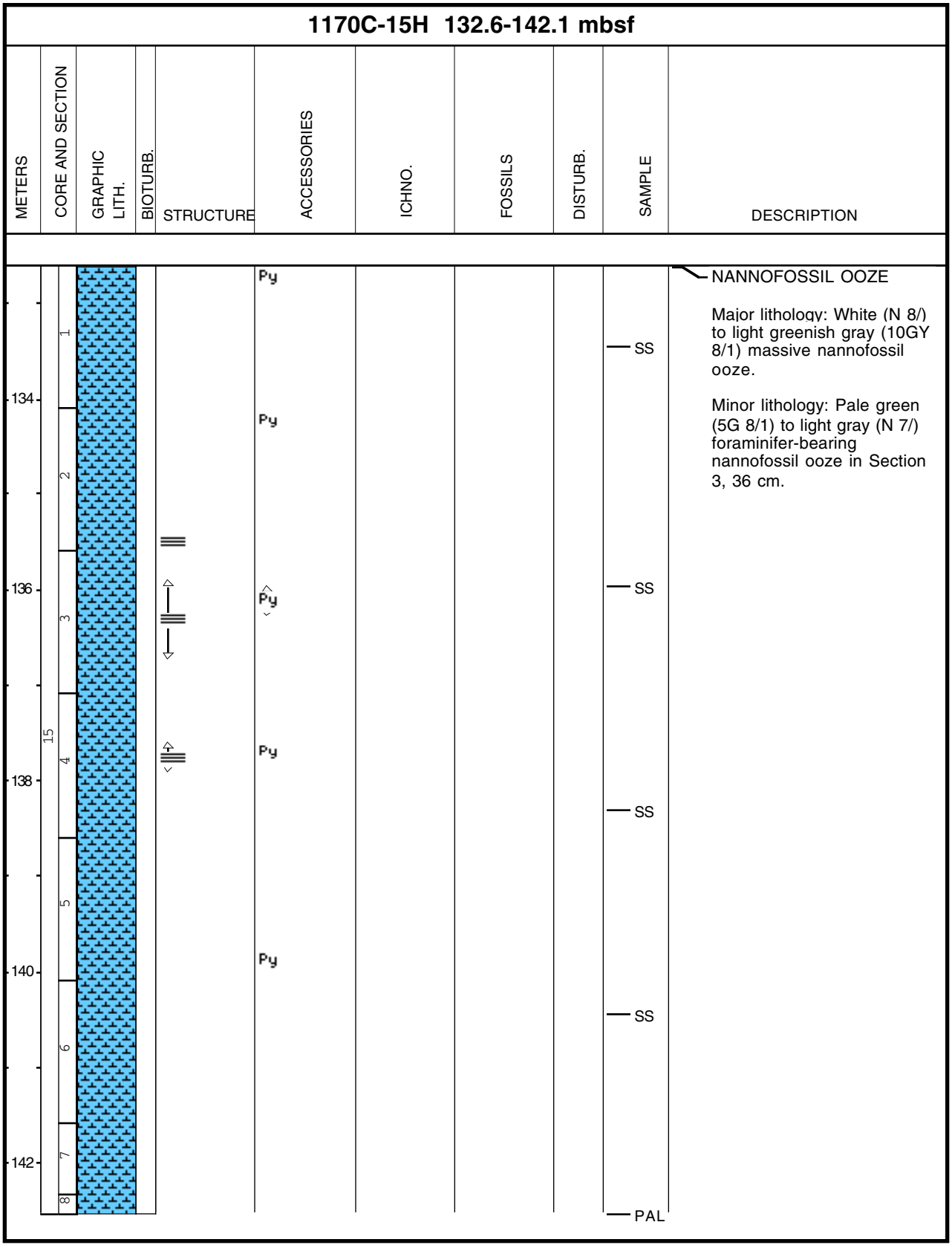
Core Photo


1170C-13H 113.6-123.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
114
116
118
120
122
13
1
2
3
4
5
6
7
8
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N 8/) nannfossil ooze.
Pale green (5G 7/2) to blueish gray (5PB 6/1) laminations with variable thickness.
Microfaulting in Section 3, 50-57 cm.

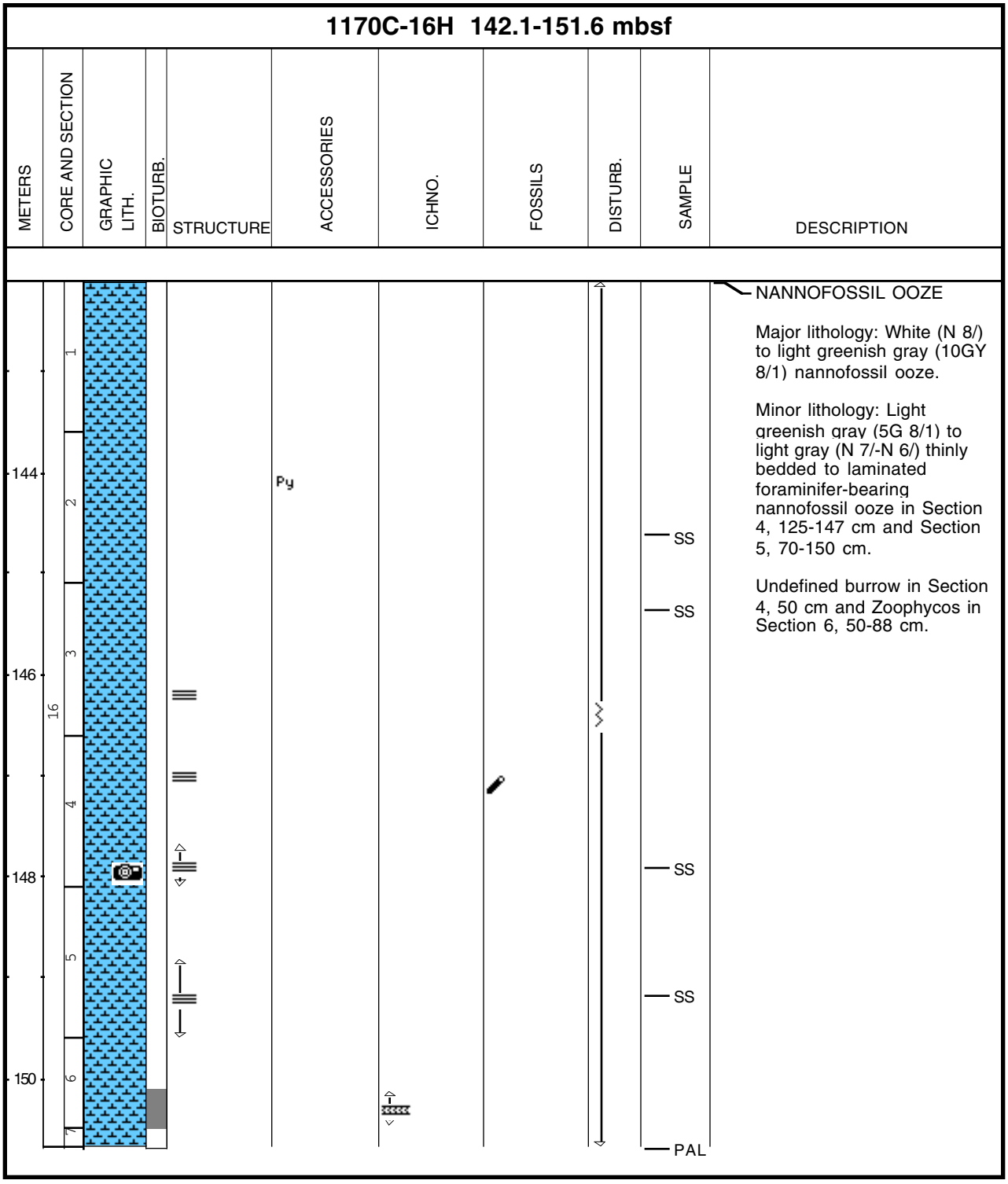
Core Photo


1170C-14H 123.1-132.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
124
126
128
130
132
14
1
2
3
4
5
6
7
8
SS
SS
PAL
FORAMINIFER- AND BIOCLAST-BEARING NANNOFOSSIL OOZE
Major lithology: White (N 8/) to light greenish gray (10GY 8/1) foraminifer- and bioclast-bearing nannofossil ooze and bioclast-bearing nannofossil ooze.
Dark gray to pale green laminations of variable thickness in Section 4, 50-60 cm and 100-110 cm; Section 5, 10-20 cm and 30-150 cm; Section 6, 0-20 cm and 80 cm and Section 7, 15 cm and 35 cm.
Pyrite staining throughout.

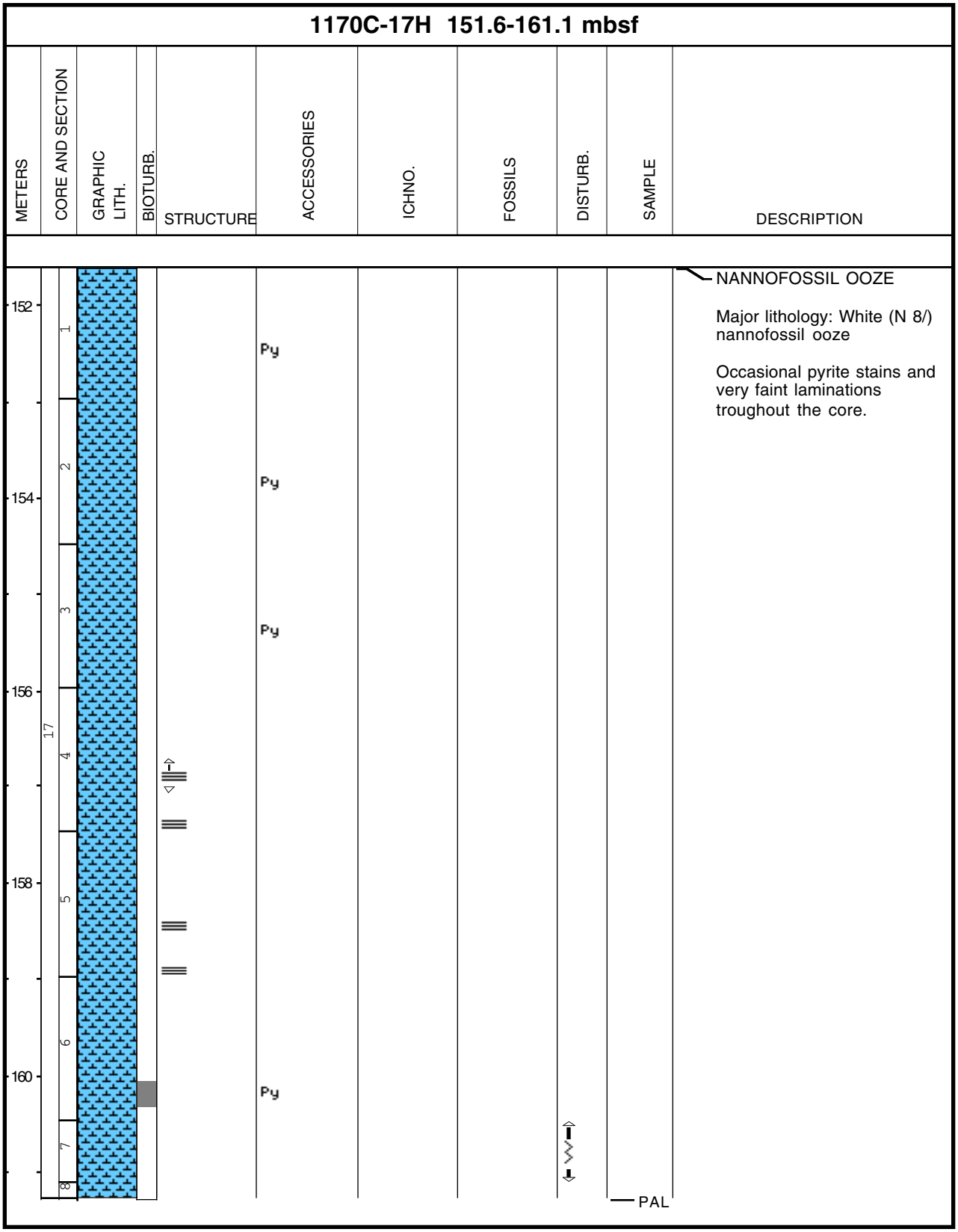
Core Photo


1170C-15H 132.6-142.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
134
136
138
140
142
15
1
2
3
4
5
6
7
8
Py
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N 8/) to light greenish gray (10GY 8/1) massive nannofossil ooze.
Minor lithology: Pale green (5G 8/1) to light gray (N 7/) foraminifer-bearing nannofossil ooze in Section 3, 36 cm.

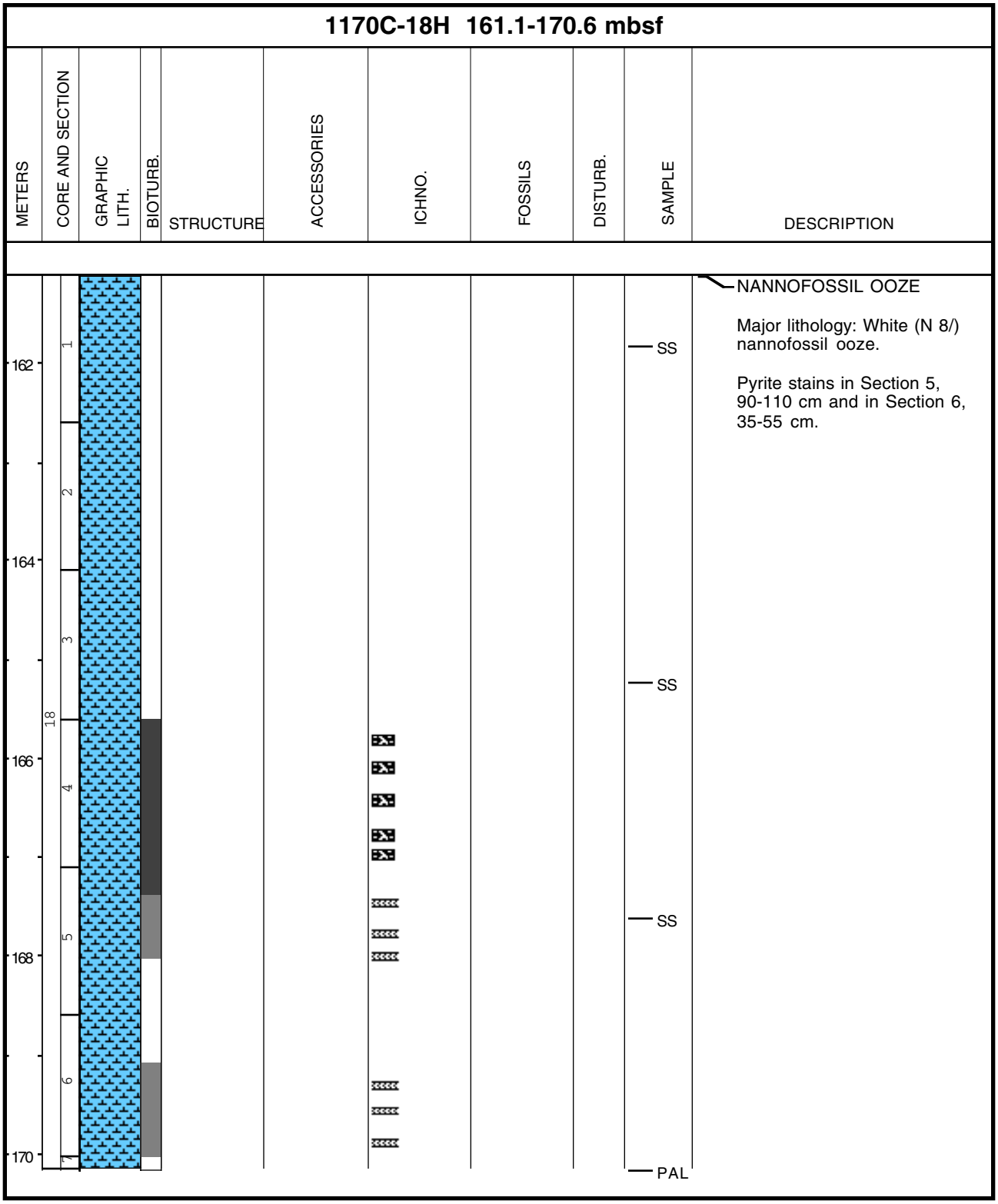
Core Photo


1170C-16H 142.1-151.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
144
146
148
150
16
1
2
3
4
5
6
7
Py
SS
SS
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N 8/) to light greenish gray (10GY 8/1) nannofossil ooze.
Minor lithology: Light greenish gray (5G 8/1) to light gray (N 7/-N 6/) thinly bedded to laminated foraminifer-bearing nannofossil ooze in Section 4, 125-147 cm and Section 5, 70-150 cm.
Undefined burrow in Section 4, 50 cm and Zoophycos in Section 6, 50-88 cm.

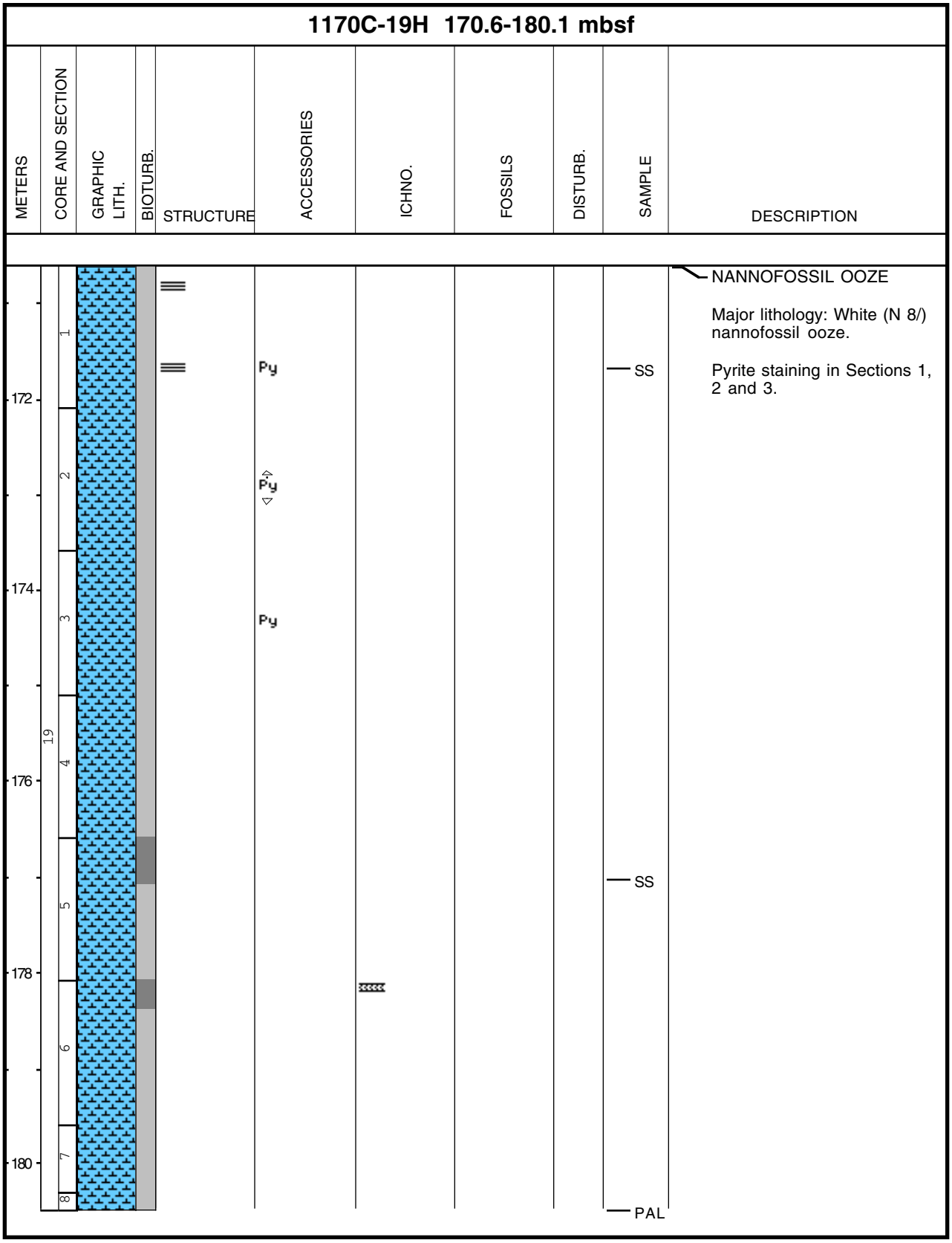
Core Photo


1170C-17H 151.6-161.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
152
154
156
158
160
17
1
2
3
4
5
6
7
8
Py
Py
Py
Py
PAL
NANNOFOSSIL OOZE
Major lithology: White (N 8/) nannofossil ooze
Occasional pyrite stains and very faint laminations troughout the core.

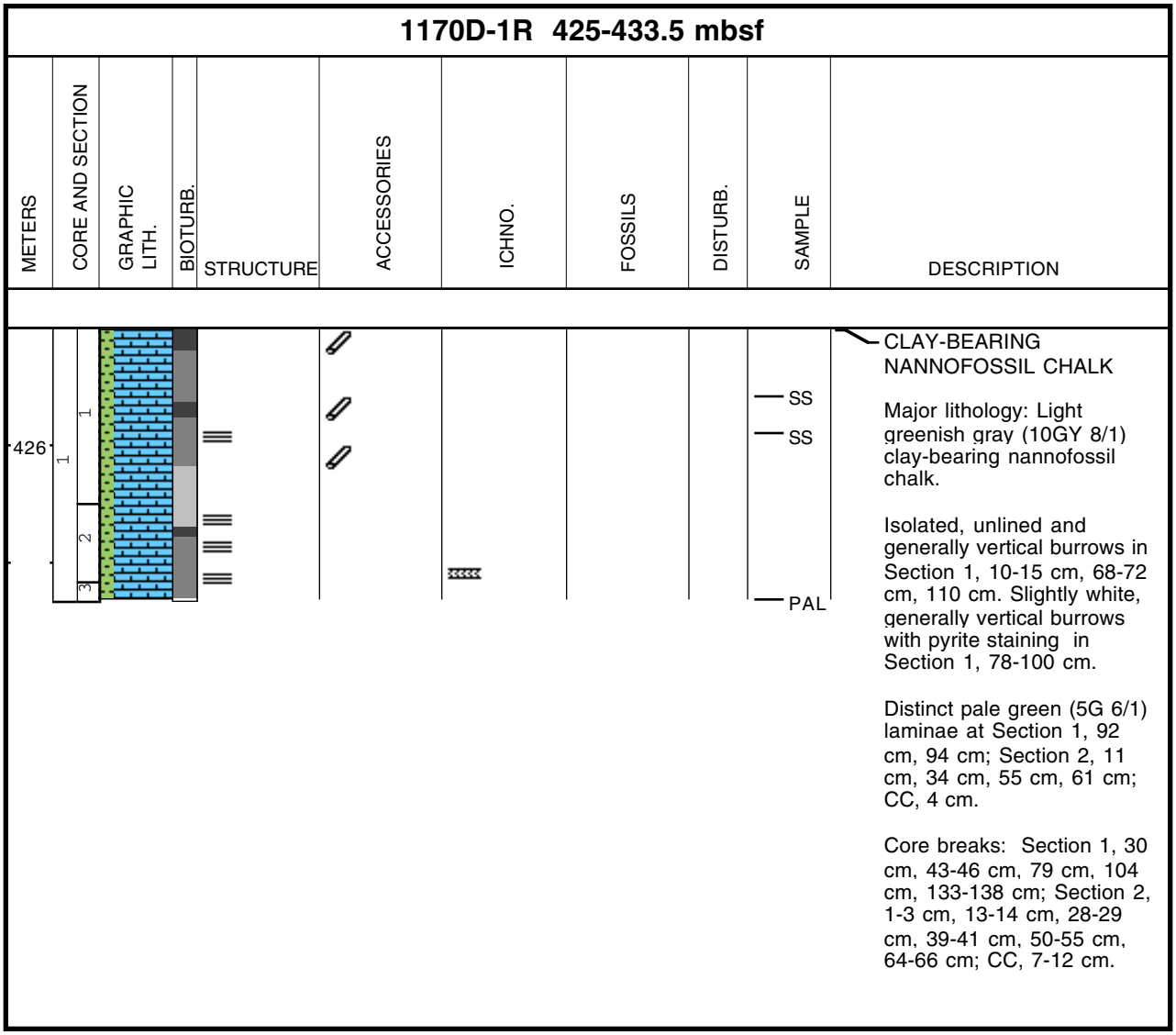
Core Photo


1170C-18H 161.1-170.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
162
164
166
168
170
18
1
2
3
4
5
6
7
SS
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N 8/) nannofossil ooze.
Pyrite stains in Section 5, 90-110 cm and in Section 6, 35-55 cm.

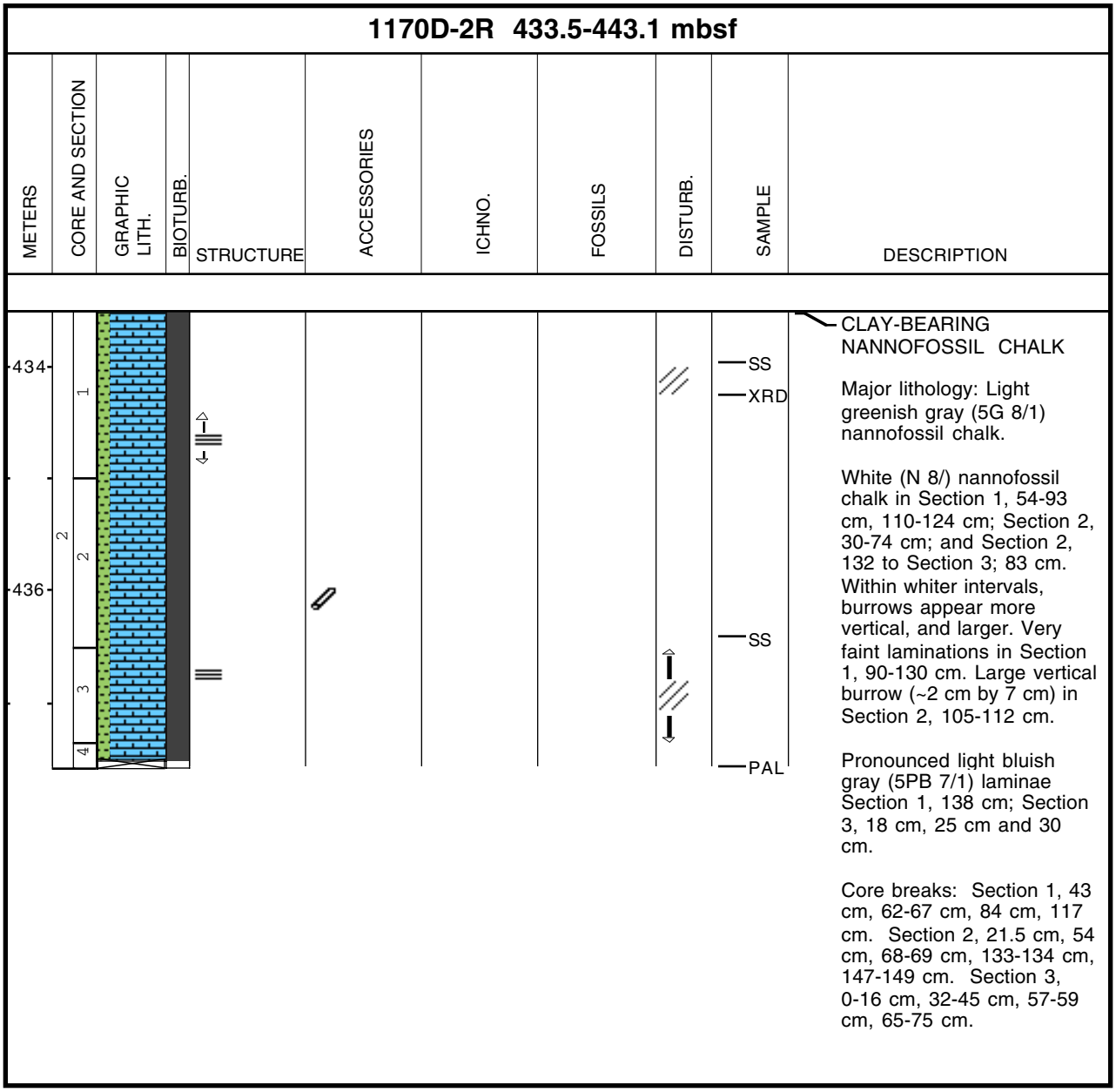
Core Photo


1170C-19H 170.6-180.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
172
174
176
178
180
19
1
2
3
4
5
6
7
8
Py
Py
Py
SS
SS
PAL
NANNOFOSSIL OOZE
Major lithology: White (N 8/) nannofossil ooze.
Pyrite staining in Sections 1, 2 and 3.

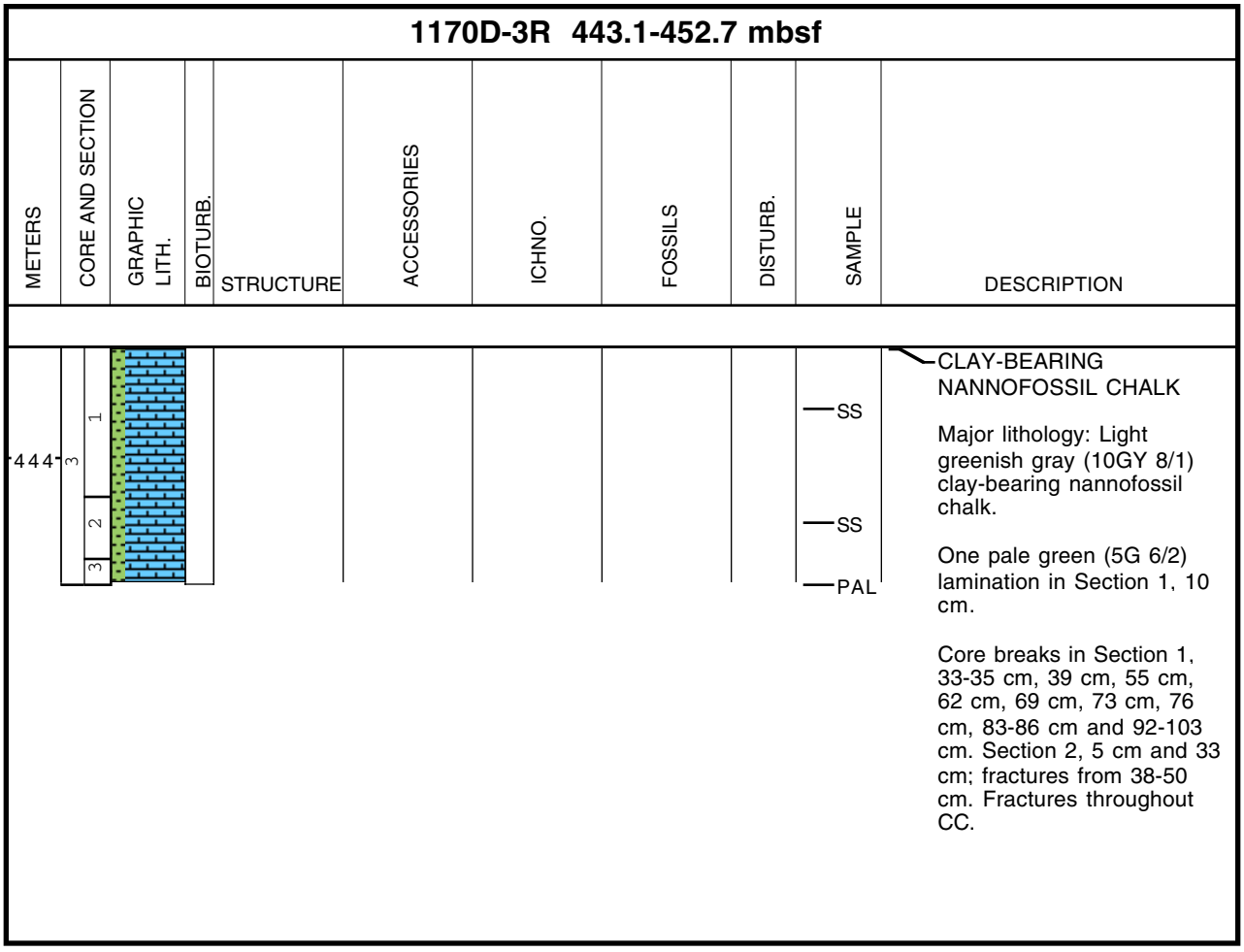
Core Photo


1170D-1R 425-433.5 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
426
1
2
3
SS
SS
PAL
CLAY-BEARING NANNOFOSSIL CHALK
Major lithology: Light greenish gray (10GY 8/1) clay-bearing nannofossil chalk.
Isolated, unlined and generally vertical burrows in Section 1, 10-15 cm, 68-72 cm, 110 cm. Slightly white, generally vertical burrows with pyrite staining in Section 1, 78-100 cm.
Distinct pale green (5G 6/1) laminae at Section 1, 92 cm, 94 cm; Section 2, 11 cm, 34 cm, 55 cm, 61 cm; CC, 4 cm.
Core breaks: Section 1, 30 cm, 43-46 cm, 79 cm, 104 cm, 133-138 cm; Section 2, 1-3 cm, 13-14 cm, 28-29 cm, 39-41 cm, 50-55 cm, 64-66 cm; CC, 7-12 cm.

Core Photo

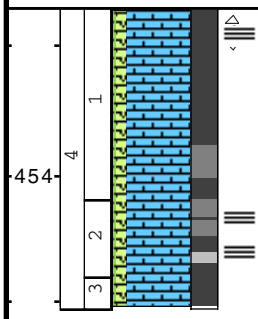

1170D-2R 433.5-443.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
434
436
1
2
3
4
SS
XRD
SS
PAL
CLAY-BEARING NANNOFOSSIL CHALK
Major lithology: Light greenish gray (5G 8/1) nannofossil chalk.
White (N 8/) nannofossil chalk in Section 1, 54-93 cm, 110-124 cm; Section 2, 30-74 cm; and Section 2, 132 to Section 3; 83 cm. Within whiter intervals, burrows appear more vertical, and larger. Very faint laminations in Section 1, 90-130 cm. Large vertical burrow (~2 cm by 7 cm) in Section 2, 105-112 cm.
Pronounced light bluish gray (5PB 7/1) laminae Section 1, 138 cm; Section 3, 18 cm, 25 cm and 30 cm.
Core breaks: Section 1, 43 cm, 62-67 cm, 84 cm, 117 cm. Section 2, 21.5 cm, 54 cm, 68-69 cm, 133-134 cm, 147-149 cm. Section 3, 0-16 cm, 32-45 cm, 57-59 cm, 65-75 cm.

Core Photo


1170D-3R 443.1-452.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
444
1
2
3
SS
SS
PAL
CLAY-BEARING NANNOFOSSIL CHALK
Major lithology: Light greenish gray (10GY 8/1) clay-bearing nannofossil chalk.
One pale green (5G 6/2) lamination in Section 1, 10 cm.
Core breaks in Section 1, 33-35 cm, 39 cm, 55 cm, 62 cm, 69 cm, 73 cm, 76 cm, 83-86 cm and 92-103 cm. Section 2, 5 cm and 33 cm; fractures from 38-50 cm. Fractures throughout CC.

Core Photo

1170D-4R 452.7-462.3 mbsf



DIATOM- AND CLAY-BEARING NANNOFOSSIL LIMESTONE

Major lithology: White (N 8/) to light greenish gray (10GY 7/1 - 8/1) diatom- and clay-bearing nannofossil limestone.

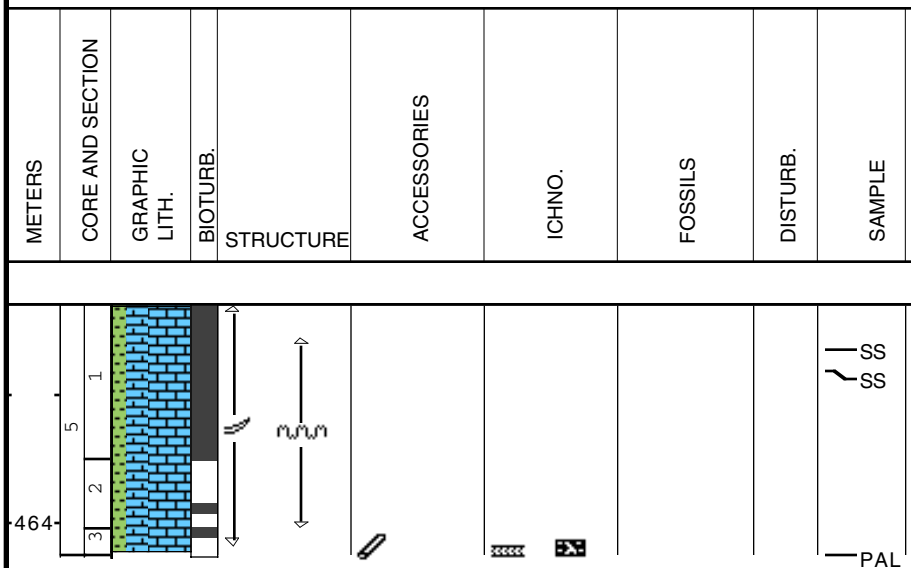
White (N 8/) in Section 1, 0-32 cm; and Section 1, 87 cm to Section 2, 60 cm. Light greenish gray (10GY 7/1) in Section 1, 32-52 cm; and Section 1, 79-87 cm. Light greenish gray (10GY 8/1) in Section 1, 52-79 cm. Laminations in Section 1, 5-35 cm (pronounced at 35 cm); Section 2,12 cm (pronounced), 28-50 cm. Pyritized horizon in Section 2, 25 cm.

Highly lithified intervals in Section 1, 14-22 cm and CC, 15-20 cm.

Core breaks: Section 1, 14-22 cm, 27 cm, 31 cm, 86 cm, 117 cm. Section 2, 16 cm, 26 cm, 32-37 cm. Core catcher, 8-24 cm.

Core Photo

1170D-5R 462.3-471.9 mbsf



CLAY-BEARING NANNOFOSSIL LIMESTONE AND CLAYEY NANNOFOSSIL LIMESTONE

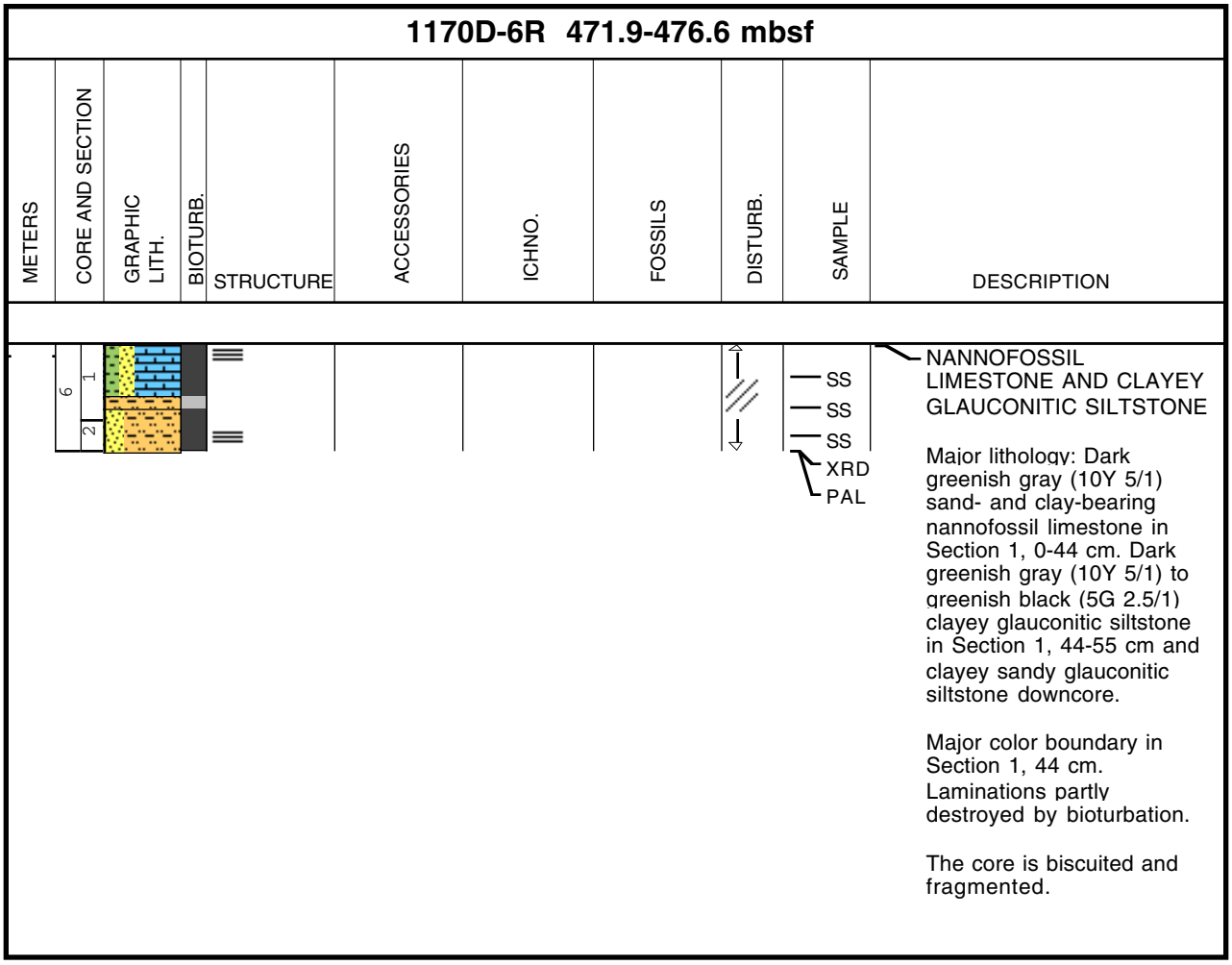
Major Lithology: Light yellowish to light greenish gray (7.5 YR 7/ to N 6/1) clayey nannofossil limestone and clay-bearing nannofossil limestone with strong dissolution observed in the smear slides.

Flaser structures and clay rich dissolution seams throughout.
Comon bioturbation in Section 1; Section 2, 35-42 cm; CC, 0-16 cm. Chondrities , Zoophycus, and burrows of unknown origin.

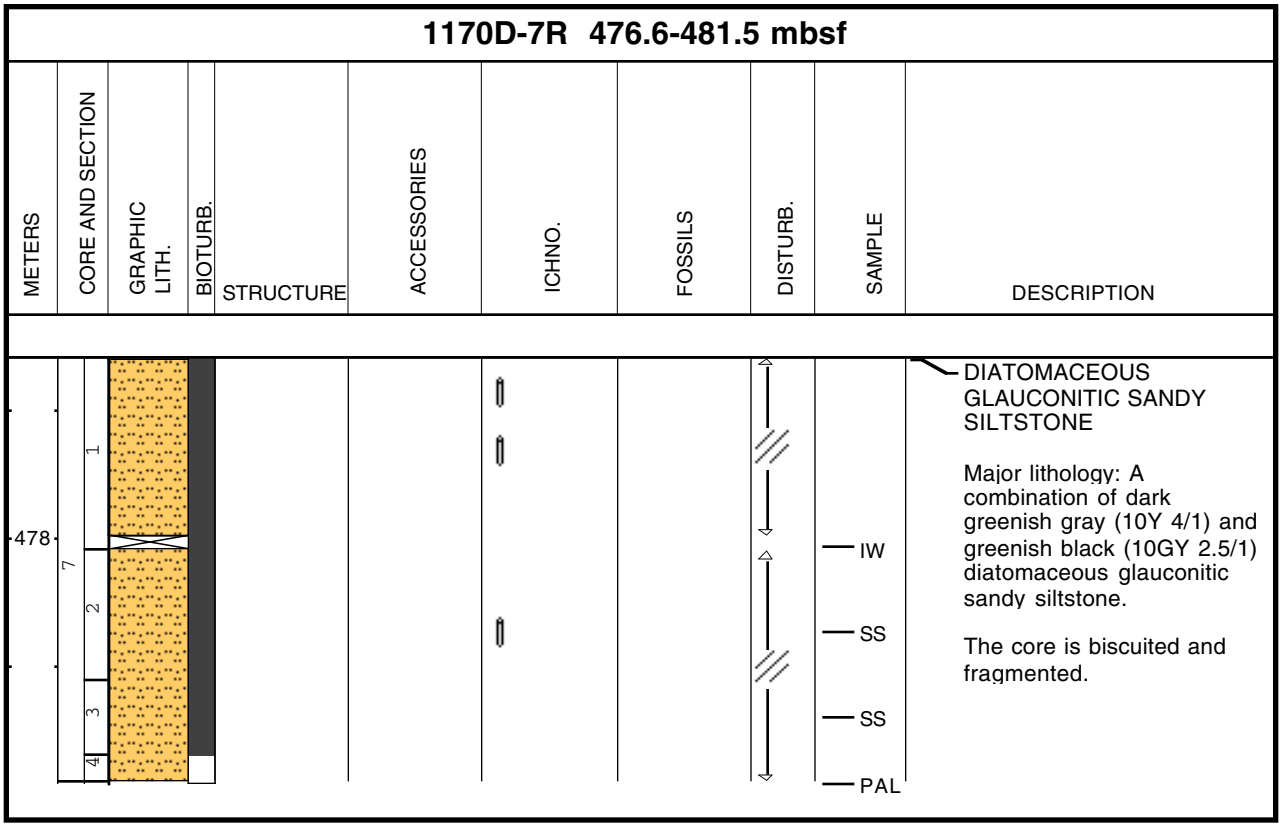
Color changes: Distinct color change in Section 1, 92 cm from light yellowish to light greenish gray (7.5YR 8/ to 7.5 YR 6/0). Light greenish gray (N 8/1) to greenish gray (N 6/1) in Section 2, 6-42 cm. A sharp boundary exists between Section 2, 42 cm and Section 2, 43 cm (N 6/1 to 7.5 YR 7/0)

Core broken into pieces 3-32 cm long. Drilling gravel present in Section 2, 0-6 cm and 35-44 cm.

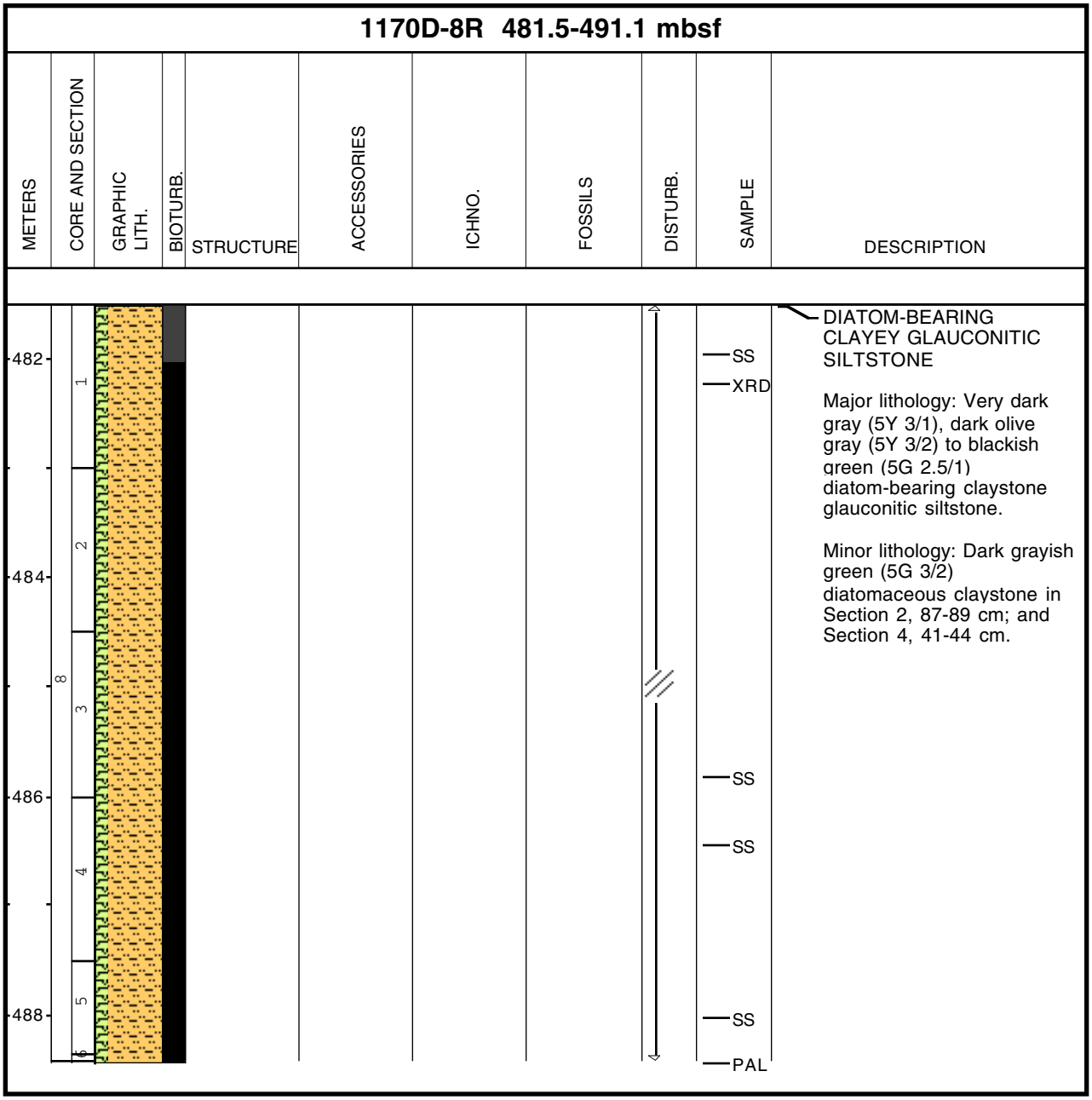
Core Photo


1170D-6R 471.9-476.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
6
1
2
SS
SS
SS
XRD
PAL
NANNOFOSSIL LIMESTONE AND CLAYEY GLAUCONITIC SILTSTONE
Major lithology: Dark greenish gray (10Y 5/1) sand- and clay-bearing nannofossil limestone in Section 1, 0-44 cm. Dark greenish gray (10Y 5/1) to greenish black (5G 2.5/1) clayey glauconitic siltstone in Section 1, 44-55 cm and clayey sandy glauconitic siltstone downcore.
Major color boundary in Section 1, 44 cm. Laminations partly destroyed by bioturbation.
The core is biscuited and fragmented.

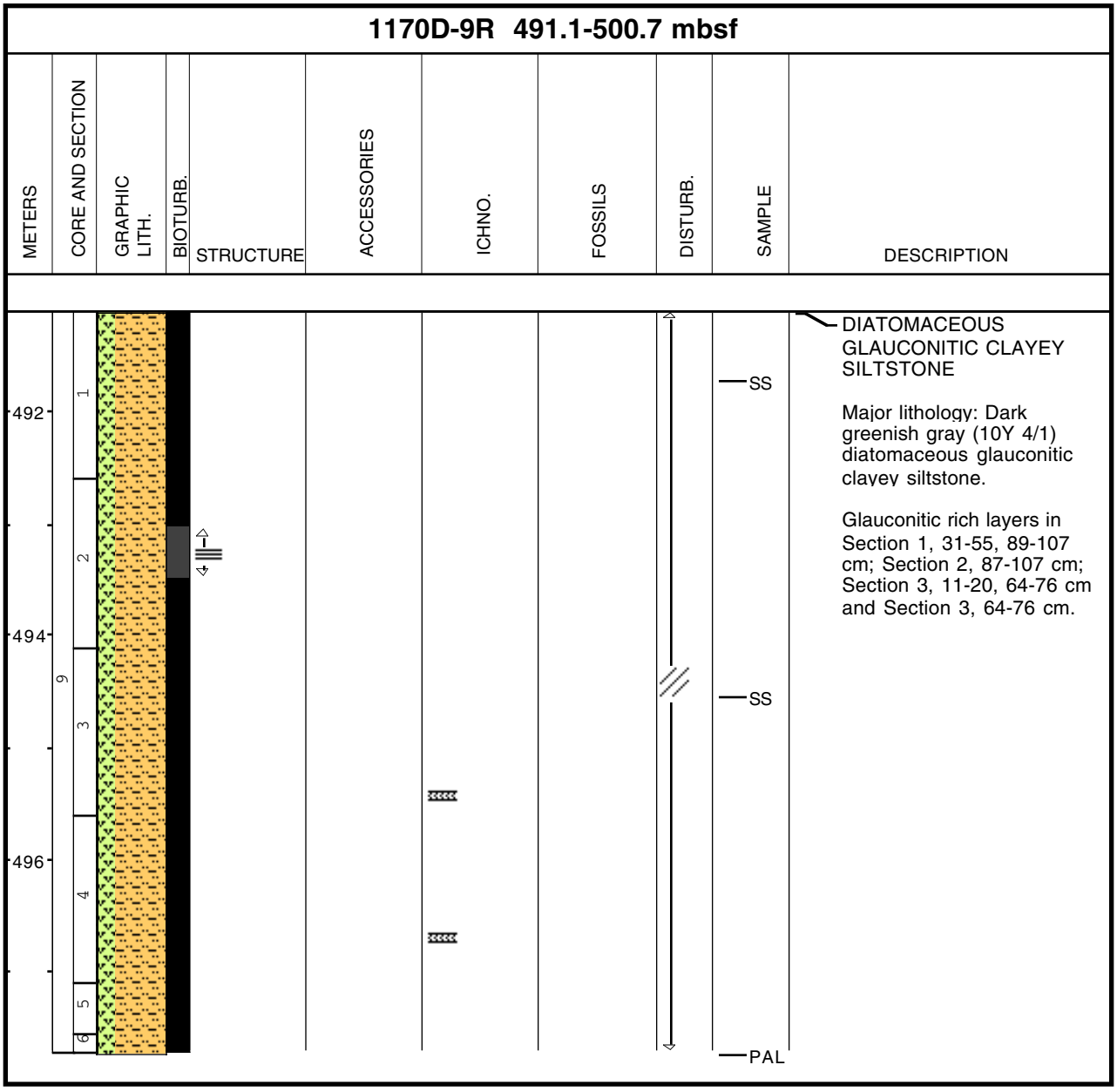
Core Photo


1170D-7R 476.6-481.5 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
478
7
1
2
3
4
IW
SS
SS
PAL
DIATOMACEOUS GLAUCONITIC SANDY SILTSTONE
Major lithology: A combination of dark greenish gray (10Y 4/1) and greenish black (10GY 2.5/1) diatomaceous glauconitic sandy siltstone.
The core is biscuited and fragmented.

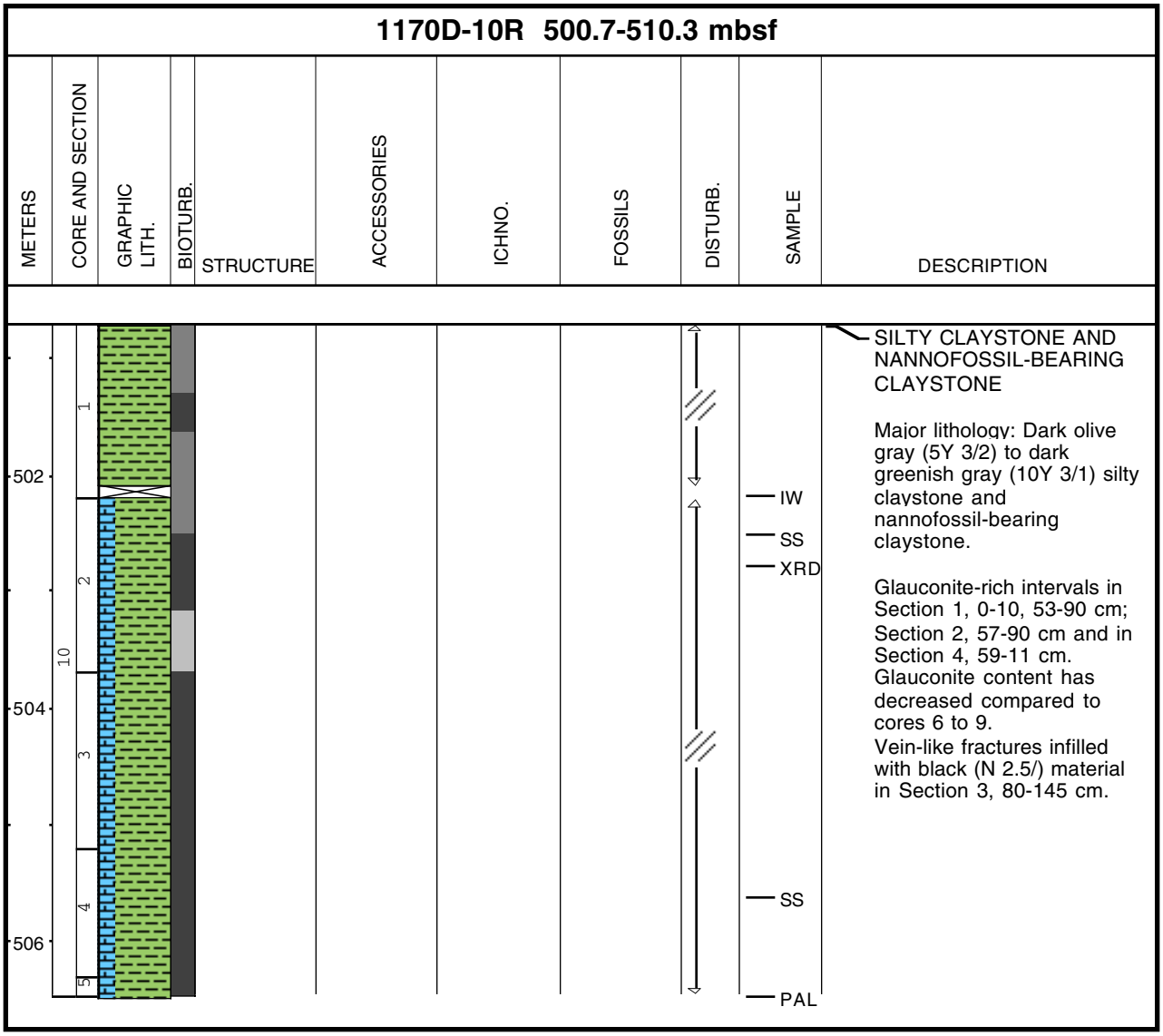
Core Photo


1170D-8R 481.5-491.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
482
484
486
488
8
1
2
3
4
5
6
SS
XRD
SS
SS
SS
PAL
DIATOM-BEARING CLAYEY GLAUCONITIC SILTSTONE
Major lithology: Very dark gray (5Y 3/1), dark olive gray (5Y 3/2) to blackish green (5G 2.5/1) diatom-bearing claystone glauconitic siltstone.
Minor lithology: Dark grayish green (5G 3/2) diatomaceous claystone in Section 2, 87-89 cm; and Section 4, 41-44 cm.

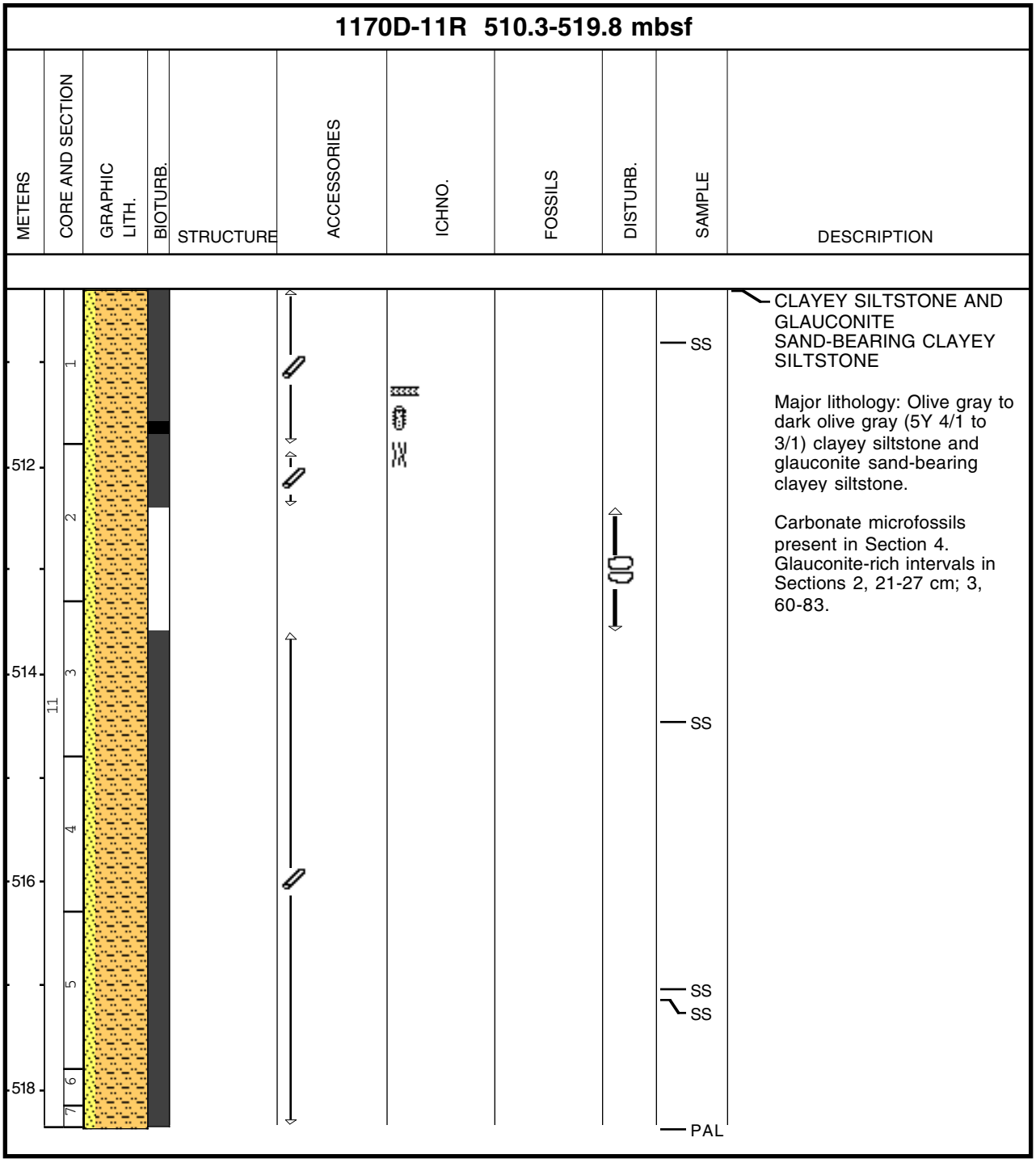
Core Photo


1170D-9R 491.1-500.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
492
494
496
9
1
2
3
4
5
6
SS
SS
PAL
DIATOMACEOUS GLAUCONITIC CLAYEY SILTSTONE
Major lithology: Dark greenish gray (10Y 4/1) diatomaceous glauconitic clayey siltstone.
Glauconitic rich layers in Section 1, 31-55, 89-107 cm; Section 2, 87-107 cm; Section 3, 11-20, 64-76 cm and Section 3, 64-76 cm.

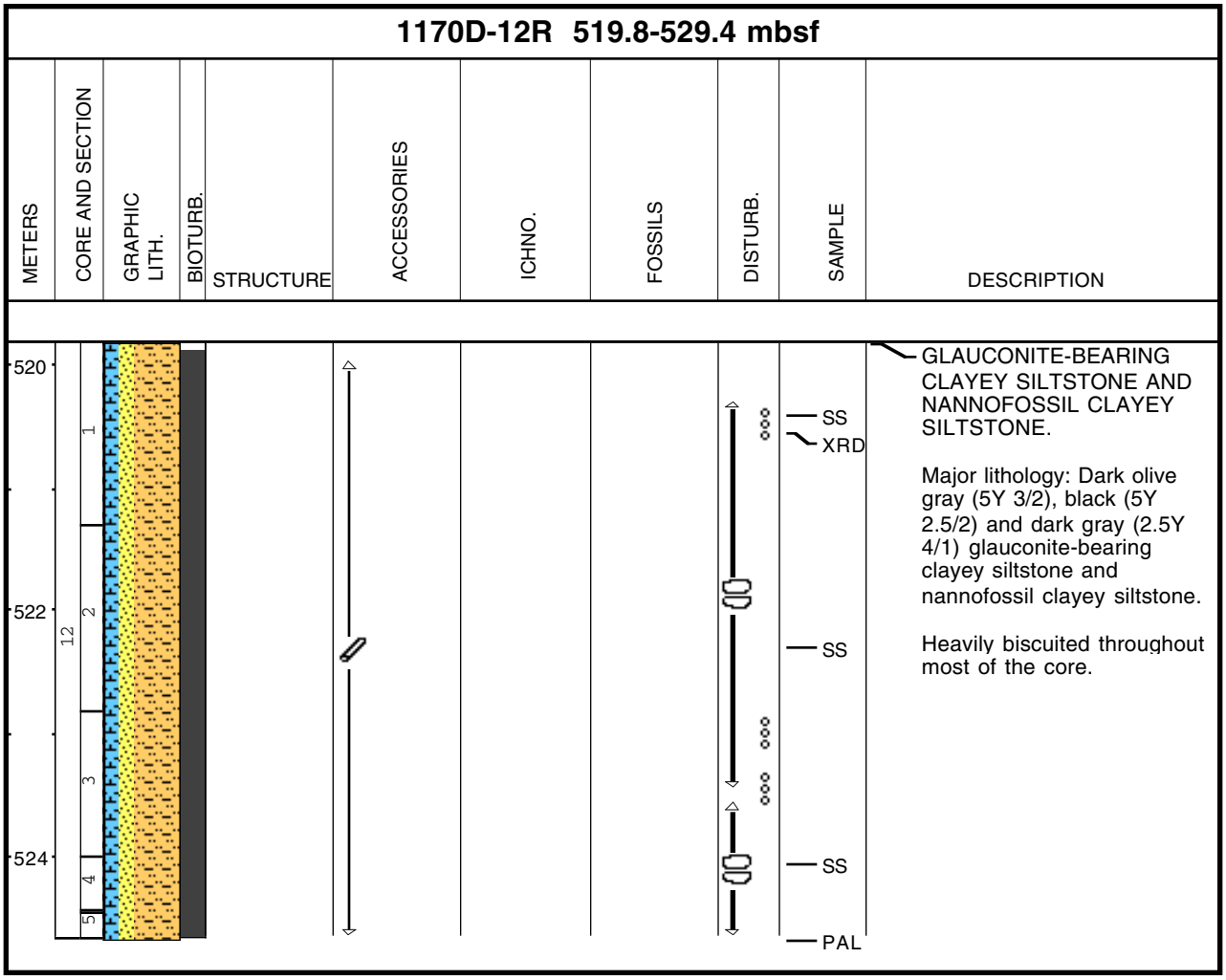
Core Photo


1170D-10R 500.7-510.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
502
504
506
10
1
2
3
4
5
IW
SS
XRD
SS
PAL
SILTY CLAYSTONE AND NANNOFOSSIL-BEARING CLAYSTONE
Major lithology: Dark olive gray (5Y 3/2) to dark greenish gray (10Y 3/1) silty claystone and nannofossil-bearing claystone.
Glauconite-rich intervals in Section 1, 0-10, 53-90 cm; Section 2, 57-90 cm and in Section 4, 59-11 cm. Glauconite content has decreased compared to cores 6 to 9.
Vein-like fractures infilled with black (N 2.5/) material in Section 3, 80-145 cm.

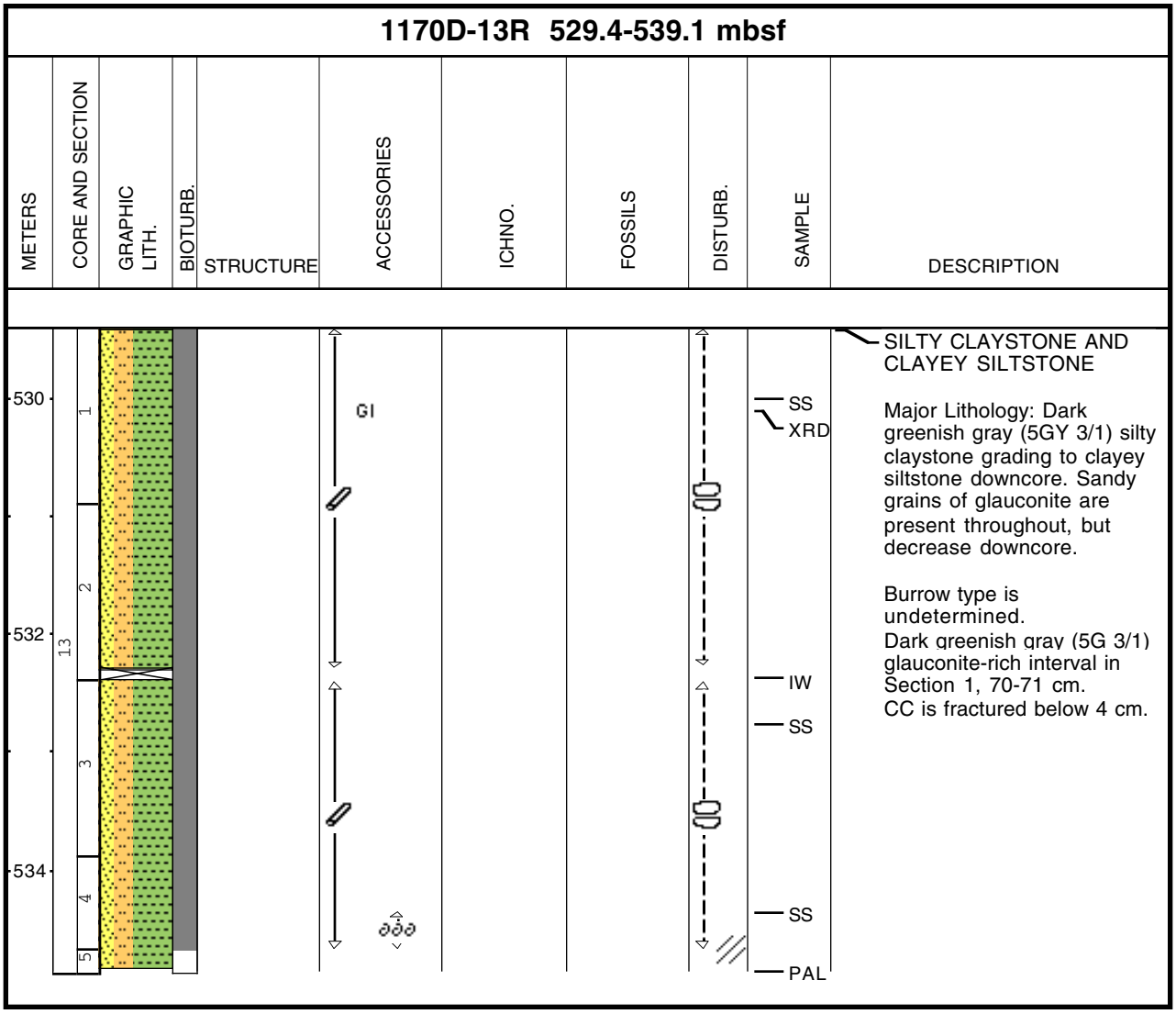
Core Photo


1170D-11R 510.3-519.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
512
514
516
518
11
1
2
3
4
5
6
7
SS
SS
SS
SS
PAL
CLAYEY SILTSTONE AND GLAUCONITE SAND-BEARING CLAYEY SILTSTONE
Major lithology: Olive gray to dark olive gray (5Y 4/1 to 3/1) clayey siltstone and glauconite sand-bearing clayey siltstone.
Carbonate microfossils present in Section 4. Glauconite-rich intervals in Sections 2, 21-27 cm; 3, 60-83.

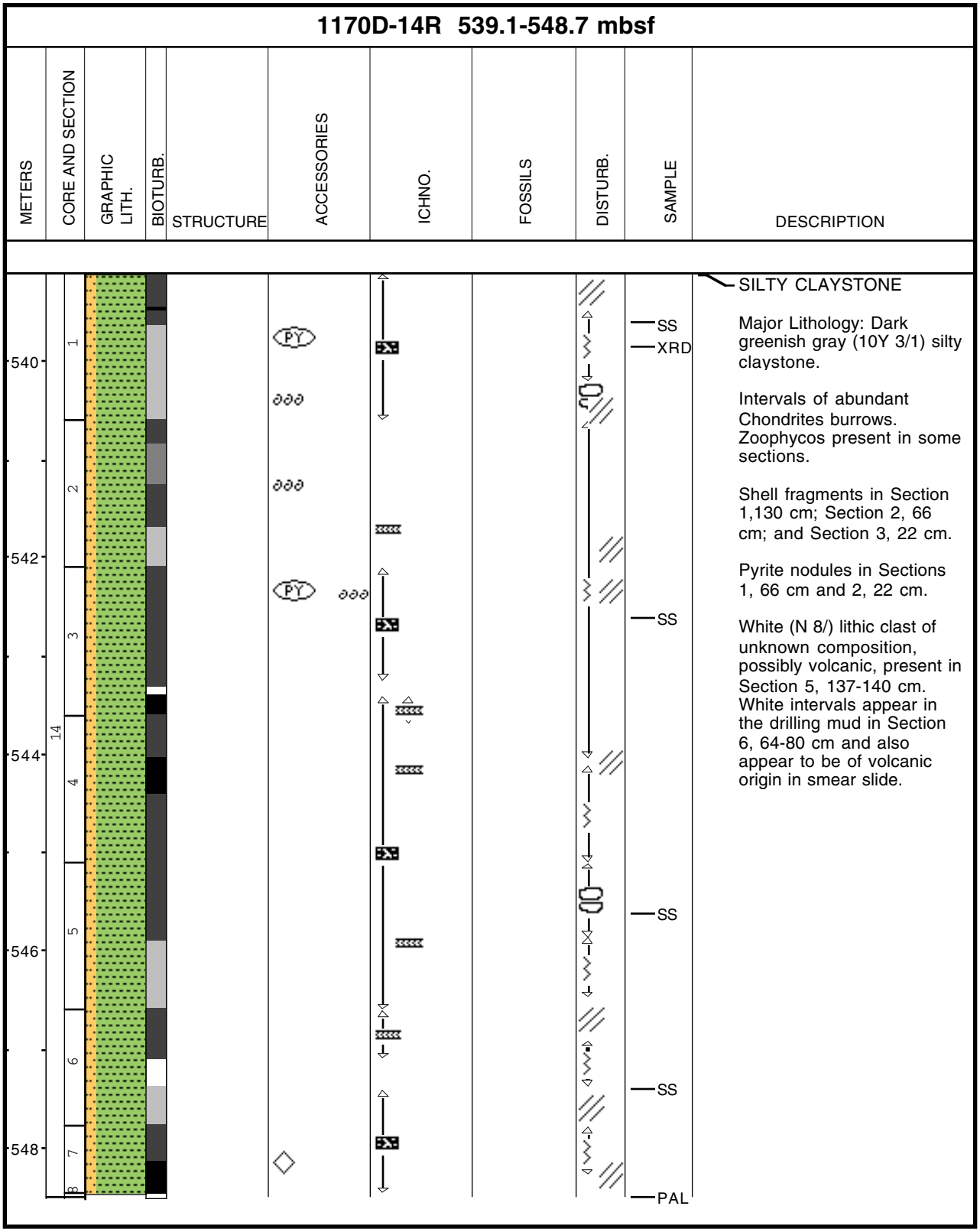
Core Photo


1170D-12R 519.8-529.4 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
520
522
524
12
1
2
3
4
5
SS
XRD
SS
SS
PAL
GLAUCONITE-BEARING CLAYEY SILTSTONE AND NANNOFOSSIL CLAYEY SILTSTONE.
Major lithology: Dark olive gray (5Y 3/2), black (5Y 2.5/2) and dark gray (2.5Y 4/1) glauconite-bearing clayey siltstone and nannofossil clayey siltstone.
Heavily biscuited throughout most of the core.

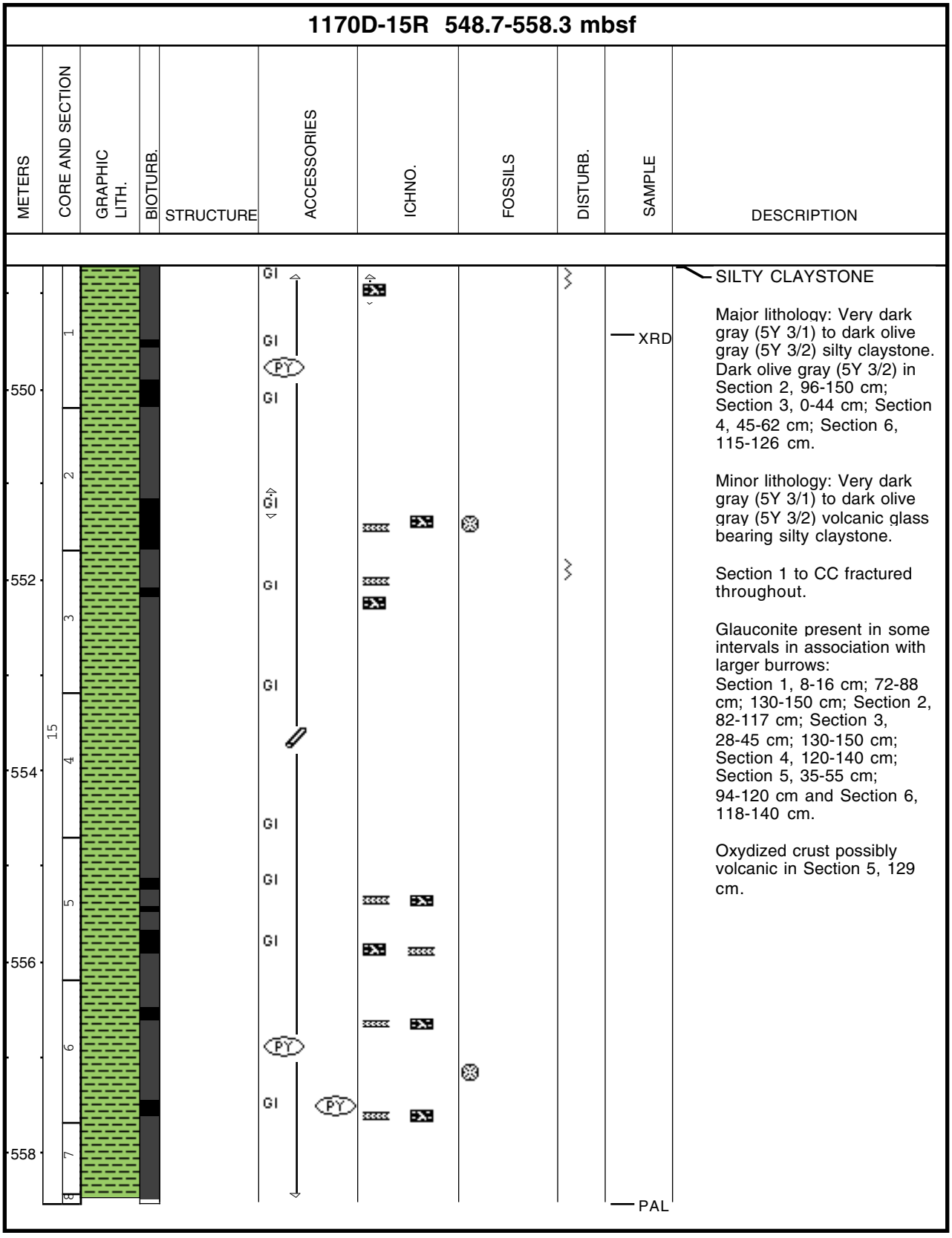
Core Photo


1170D-13R 529.4-539.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
530
532
534
13
1
2
3
4
5
GI
SS
XRD
IW
SS
SS
PAL
SILTY CLAYSTONE AND CLAYEY SILTSTONE
Major Lithology: Dark greenish gray (5GY 3/1) silty claystone grading to clayey siltstone downcore. Sandy grains of glauconite are present throughout, but decrease downcore.
Burrow type is undetermined.
Dark greenish gray (5G 3/1) glauconite-rich interval in Section 1, 70-71 cm.
CC is fractured below 4 cm.

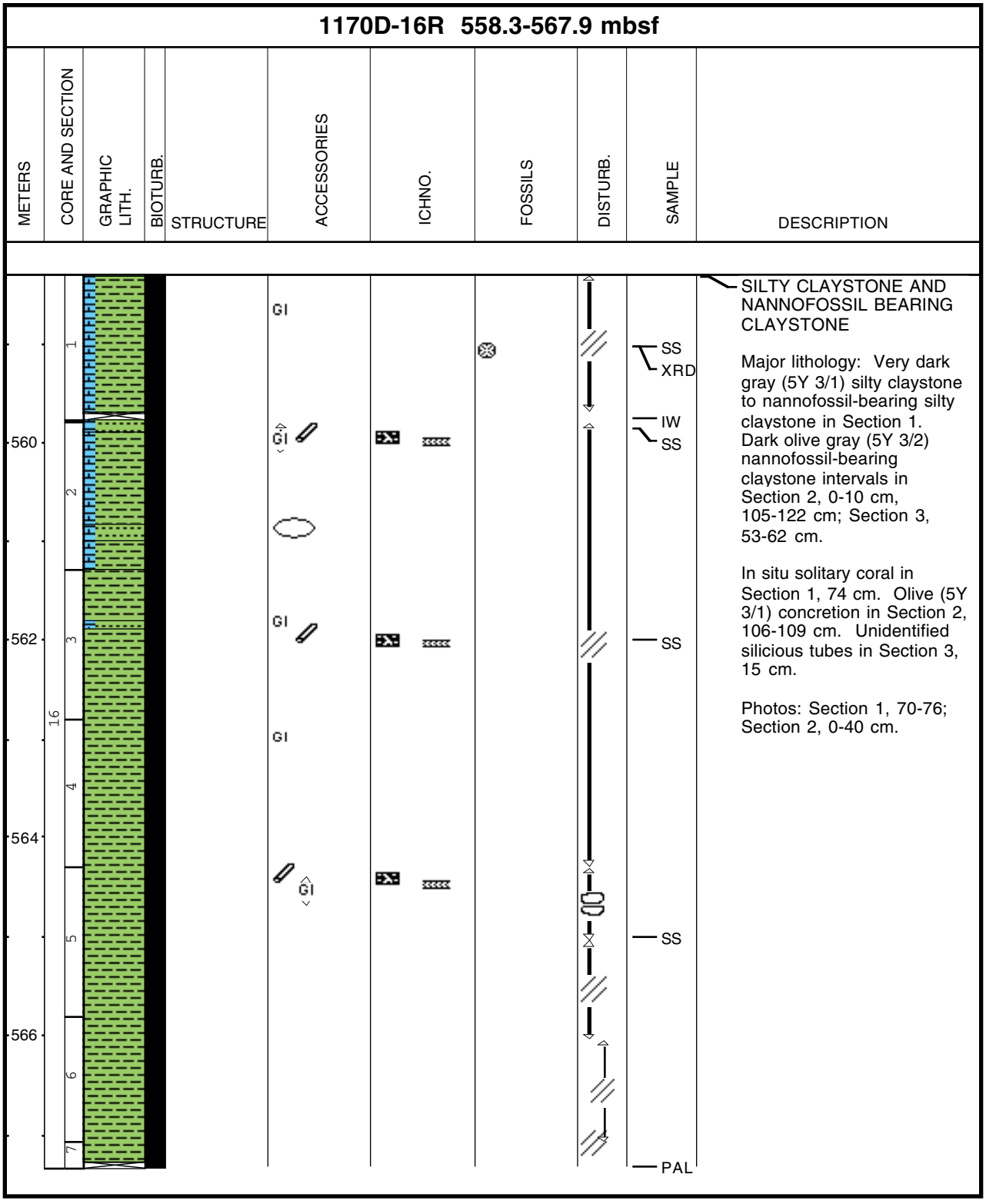
Core Photo


1170D-14R 539.1-548.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
540
542
544
546
548
14
1
2
3
4
5
6
7
CC
PY
PY
SS
XRD
SS
SS
SS
PAL
SILTY CLAYSTONE
Major Lithology: Dark greenish gray (10Y 3/1) silty claystone.
Intervals of abundant Chondrites burrows. Zoophycos present in some sections.
Shell fragments in Section 1,130 cm; Section 2, 66 cm; and Section 3, 22 cm.
Pyrite nodules in Sections 1, 66 cm and 2, 22 cm.
White (N 8/) lithic clast of unknown composition, possibly volcanic, present in Section 5, 137-140 cm. White intervals appear in the drilling mud in Section 6, 64-80 cm and also appear to be of volcanic origin in smear slide.

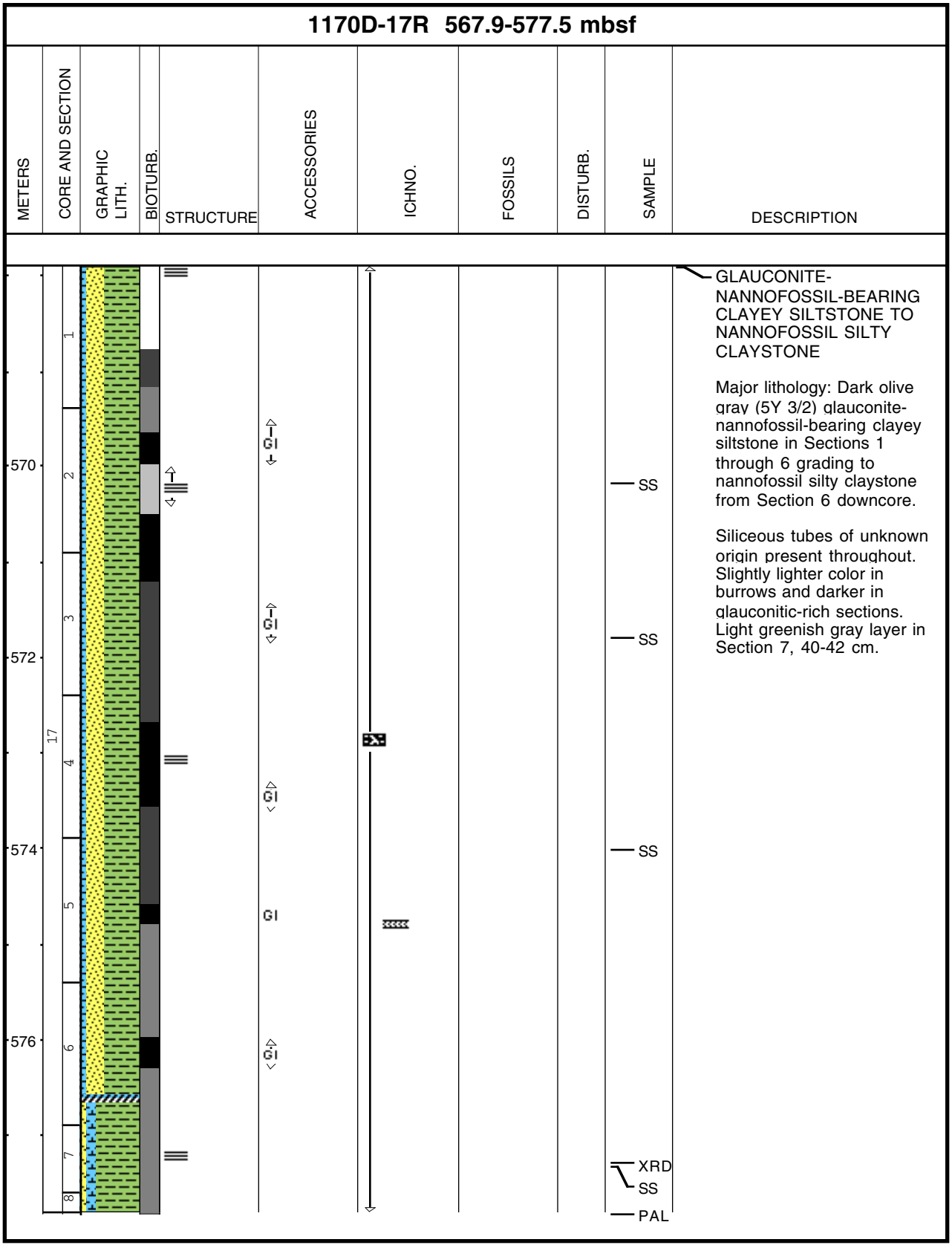
Core Photo


1170D-15R 548.7-558.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
550
552
554
556
558
15
1
2
3
4
5
6
7
8
GI
PY
XRD
PAL
SILTY CLAYSTONE
Major lithology: Very dark gray (5Y 3/1) to dark olive gray (5Y 3/2) silty claystone. Dark olive gray (5Y 3/2) in Section 2, 96-150 cm; Section 3, 0-44 cm; Section 4, 45-62 cm; Section 6, 115-126 cm.
Minor lithology: Very dark gray (5Y 3/1) to dark olive gray (5Y 3/2) volcanic glass bearing silty claystone.
Section 1 to CC fractured throughout.
Glauconite present in some intervals in association with larger burrows: Section 1, 8-16 cm; 72-88 cm; 130-150 cm; Section 2, 82-117 cm; Section 3, 28-45 cm; 130-150 cm; Section 4, 120-140 cm; Section 5, 35-55 cm; 94-120 cm and Section 6, 118-140 cm.
Oxydized crust possibly volcanic in Section 5, 129 cm.

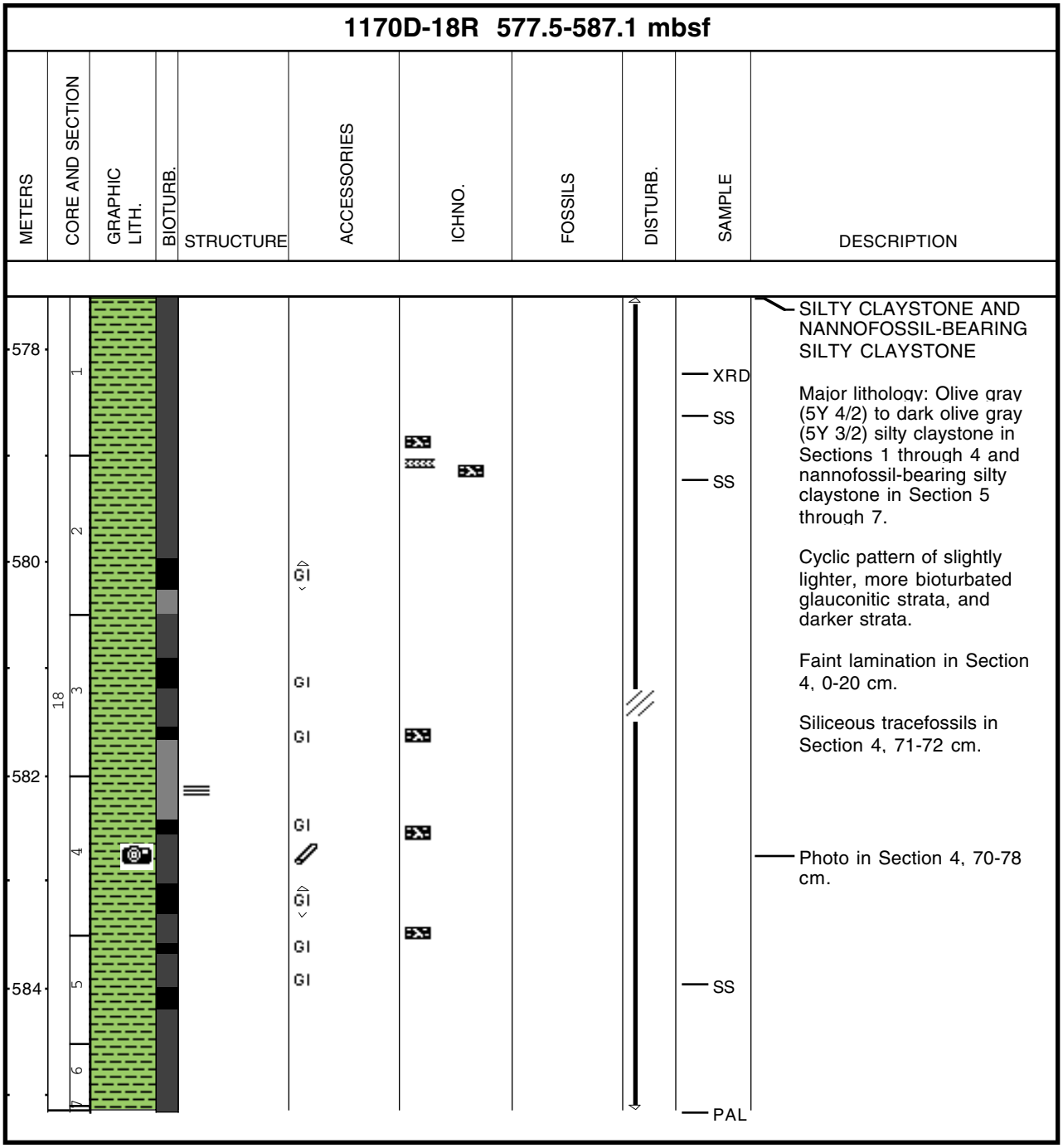
Core Photo


1170D-16R 558.3-567.9 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
560
562
564
566
16
1
2
3
4
5
6
7
GI
SS
XRD
IW
SS
SS
SS
PAL
SILTY CLAYSTONE AND NANNOFOSSIL BEARING CLAYSTONE
Major lithology: Very dark gray (5Y 3/1) silty claystone to nannofossil-bearing silty claystone in Section 1. Dark olive gray (5Y 3/2) nannofossil-bearing claystone intervals in Section 2, 0-10 cm, 105-122 cm; Section 3, 53-62 cm.
In situ solitary coral in Section 1, 74 cm. Olive (5Y 3/1) concretion in Section 2, 106-109 cm. Unidentified silicious tubes in Section 3, 15 cm.
Photos: Section 1, 70-76; Section 2, 0-40 cm.

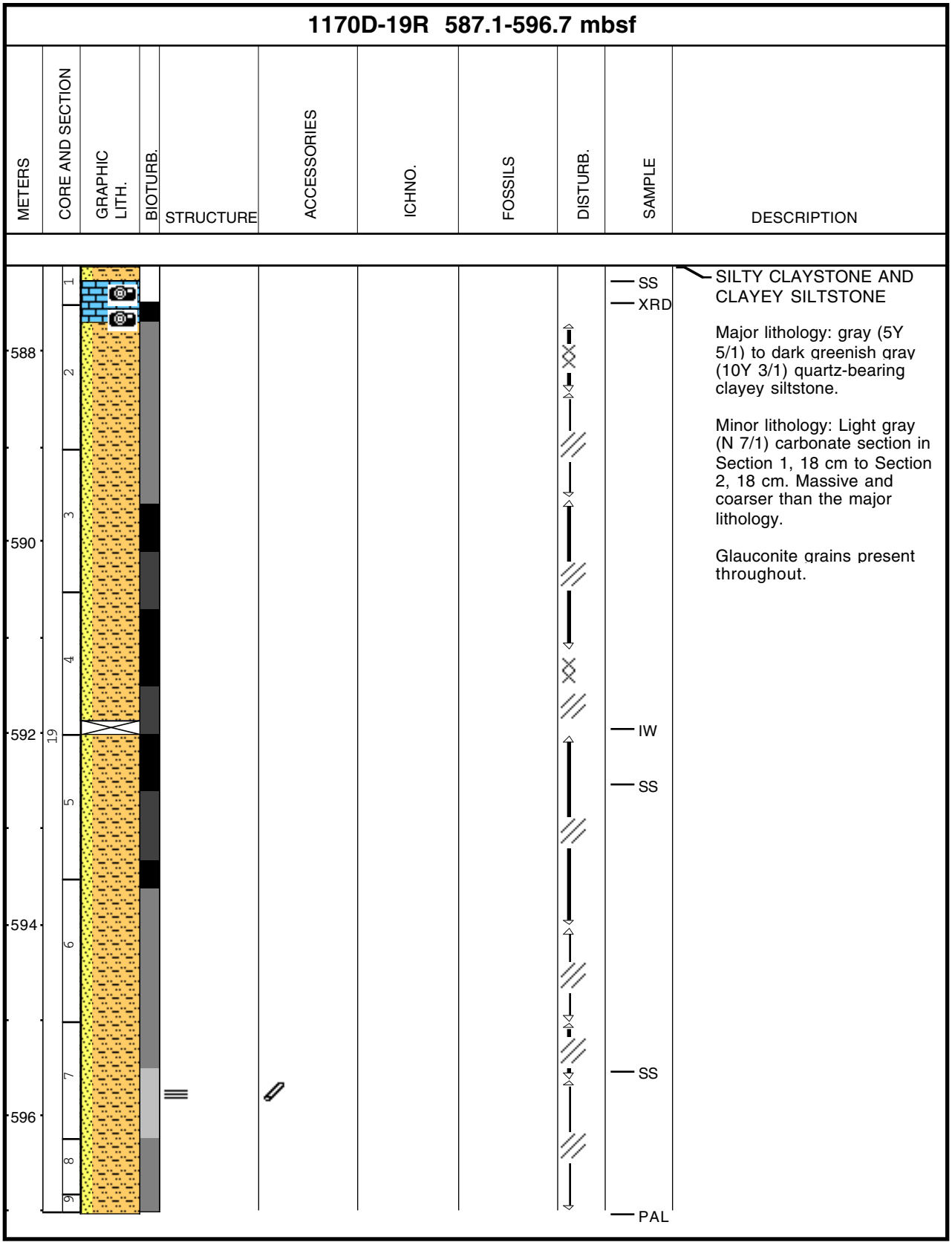
Core Photo


1170D-17R 567.9-577.5 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
570
572
574
576
17
1
2
3
4
5
6
7
8
GI
SS
XRD
PAL
GLAUCONITE-NANNOFOSSIL-BEARING CLAYEY SILTSTONE TO NANNOFOSSIL SILTY CLAYSTONE
Major lithology: Dark olive gray (5Y 3/2) glauconite-nannofossil-bearing clayey siltstone in Sections 1 through 6 grading to nannofossil silty claystone from Section 6 downcore.
Siliceous tubes of unknown origin present throughout. Slightly lighter color in burrows and darker in glauconitic-rich sections. Light greenish gray layer in Section 7, 40-42 cm.

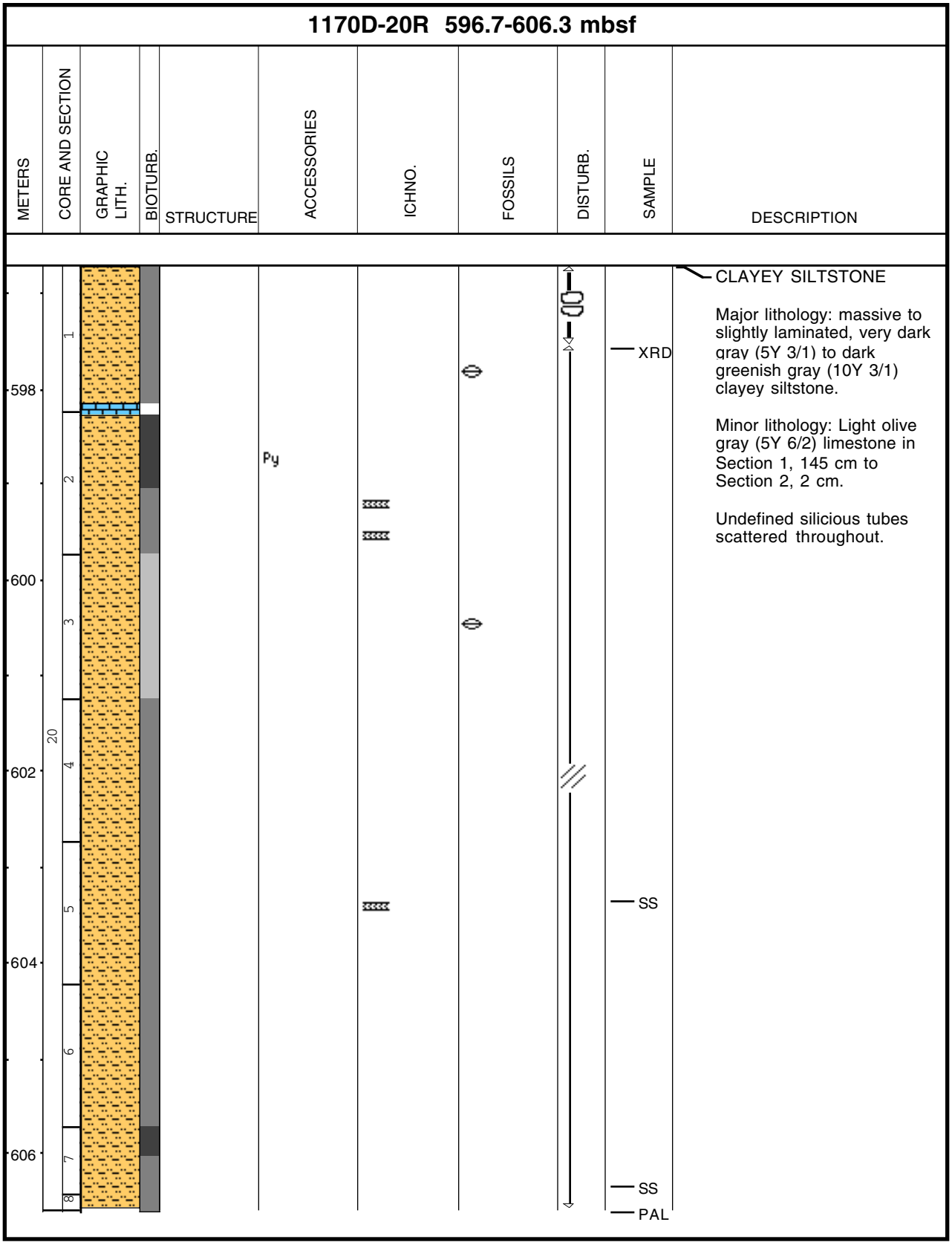
Core Photo


1170D-18R 577.5-587.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
578
580
582
584
18
1
2
3
4
5
6
7
GI
XRD
SS
SS
SS
PAL
SILTY CLAYSTONE AND NANNOFOSSIL-BEARING SILTY CLAYSTONE
Major lithology: Olive gray (5Y 4/2) to dark olive gray (5Y 3/2) silty claystone in Sections 1 through 4 and nannofossil-bearing silty claystone in Section 5 through 7.
Cyclic pattern of slightly lighter, more bioturbated glauconitic strata, and darker strata.
Faint lamination in Section 4, 0-20 cm.
Siliceous tracefossils in Section 4, 71-72 cm.
Photo in Section 4, 70-78 cm.

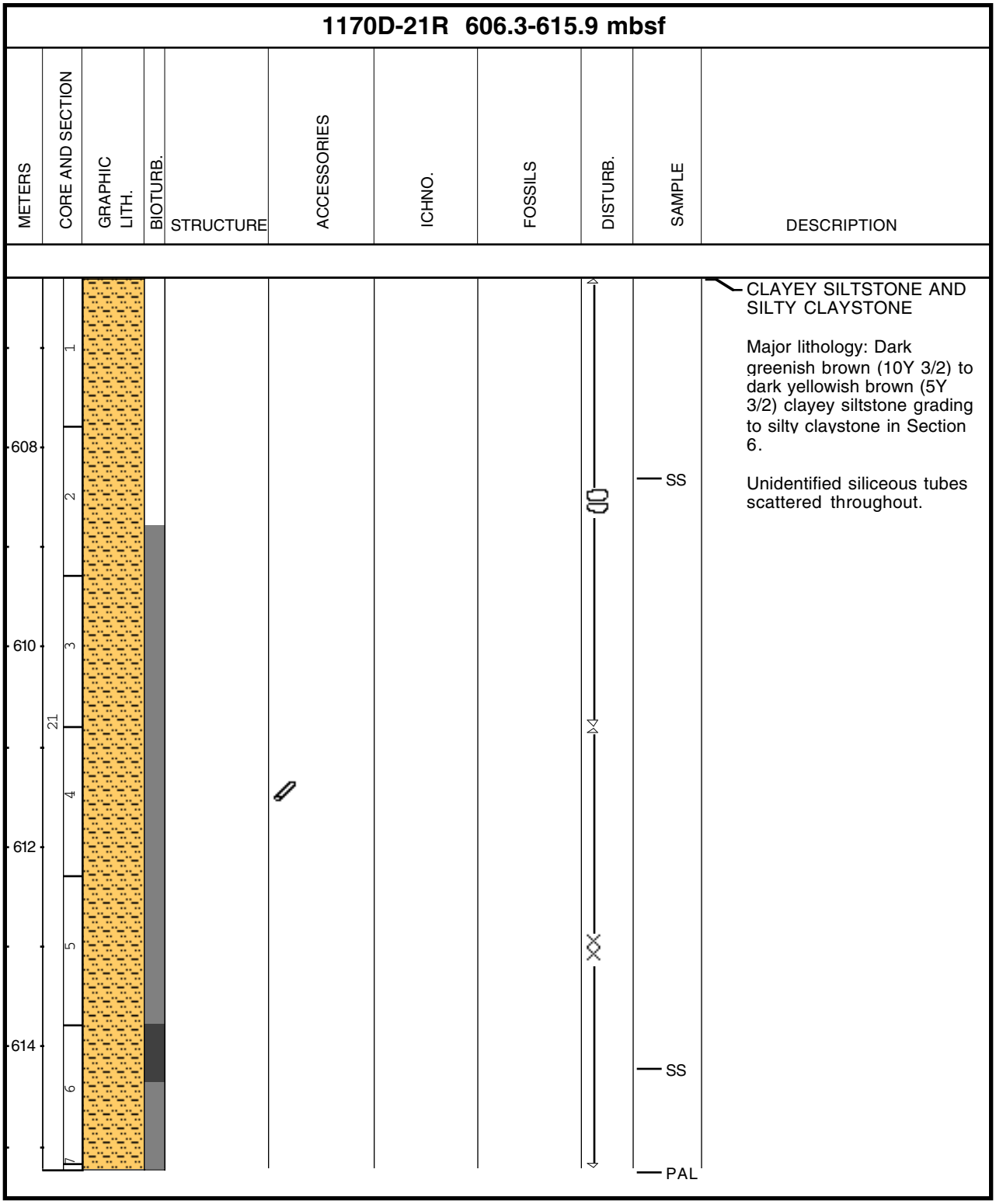
Core Photo


1170D-19R 587.1-596.7 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
588
590
592
594
596
19
1
2
3
4
5
6
7
8
9
SS
XRD
IW
SS
SS
PAL
SILTY CLAYSTONE AND CLAYEY SILTSTONE
Major lithology: gray (5Y 5/1) to dark greenish gray (10Y 3/1) quartz-bearing clayey siltstone.
Minor lithology: Light gray (N 7/1) carbonate section in Section 1, 18 cm to Section 2, 18 cm. Massive and coarser than the major lithology.
Glauconite grains present throughout.

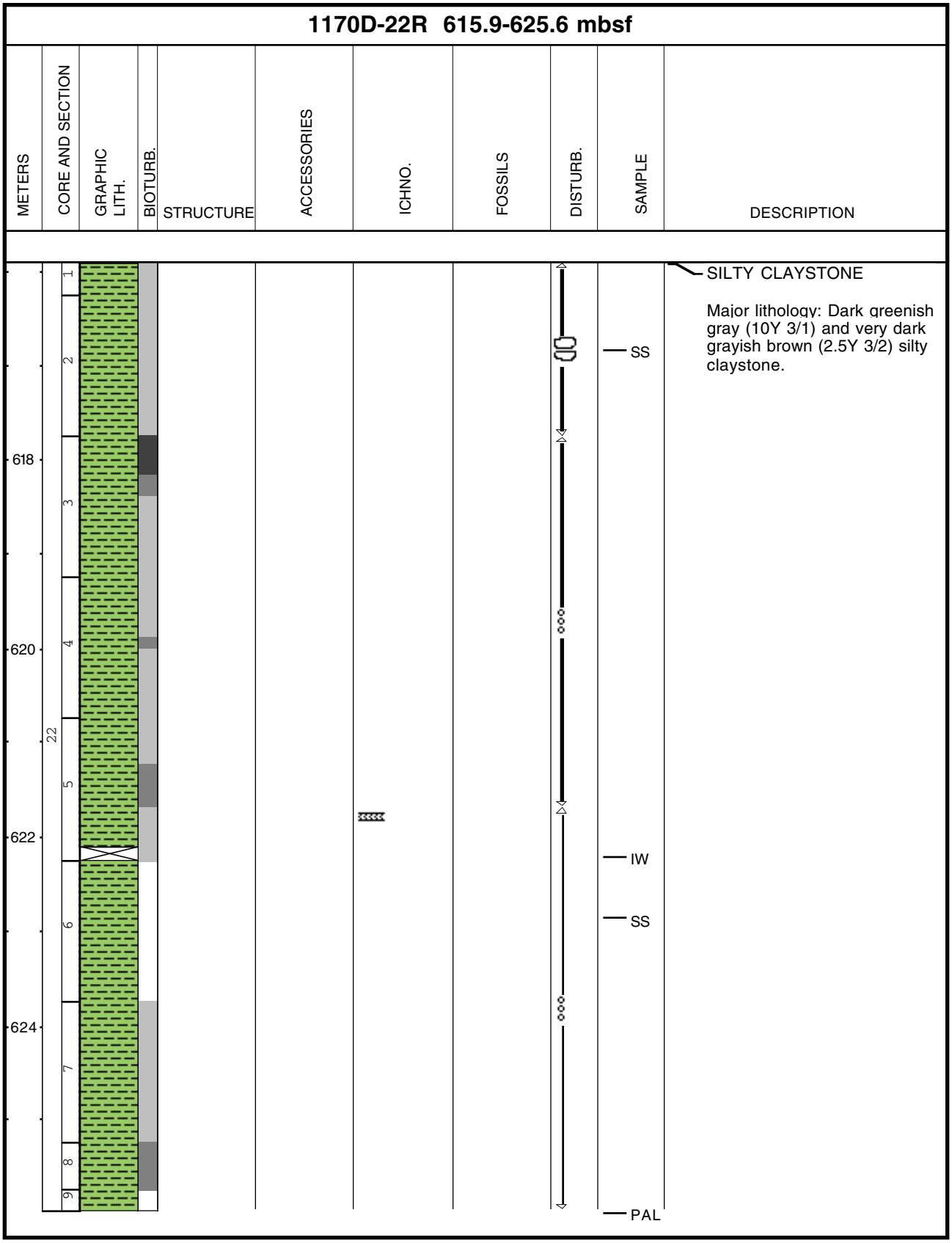
Core Photo


1170D-20R 596.7-606.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
598
600
602
604
606
20
1
2
3
4
5
6
7
8
Py
XRD
SS
SS
PAL
CLAYEY SILTSTONE
Major lithology: massive to slightly laminated, very dark gray (5Y 3/1) to dark greenish gray (10Y 3/1) clayey siltstone.
Minor lithology: Light olive gray (5Y 6/2) limestone in Section 1, 145 cm to Section 2, 2 cm.
Undefined silicious tubes scattered throughout.

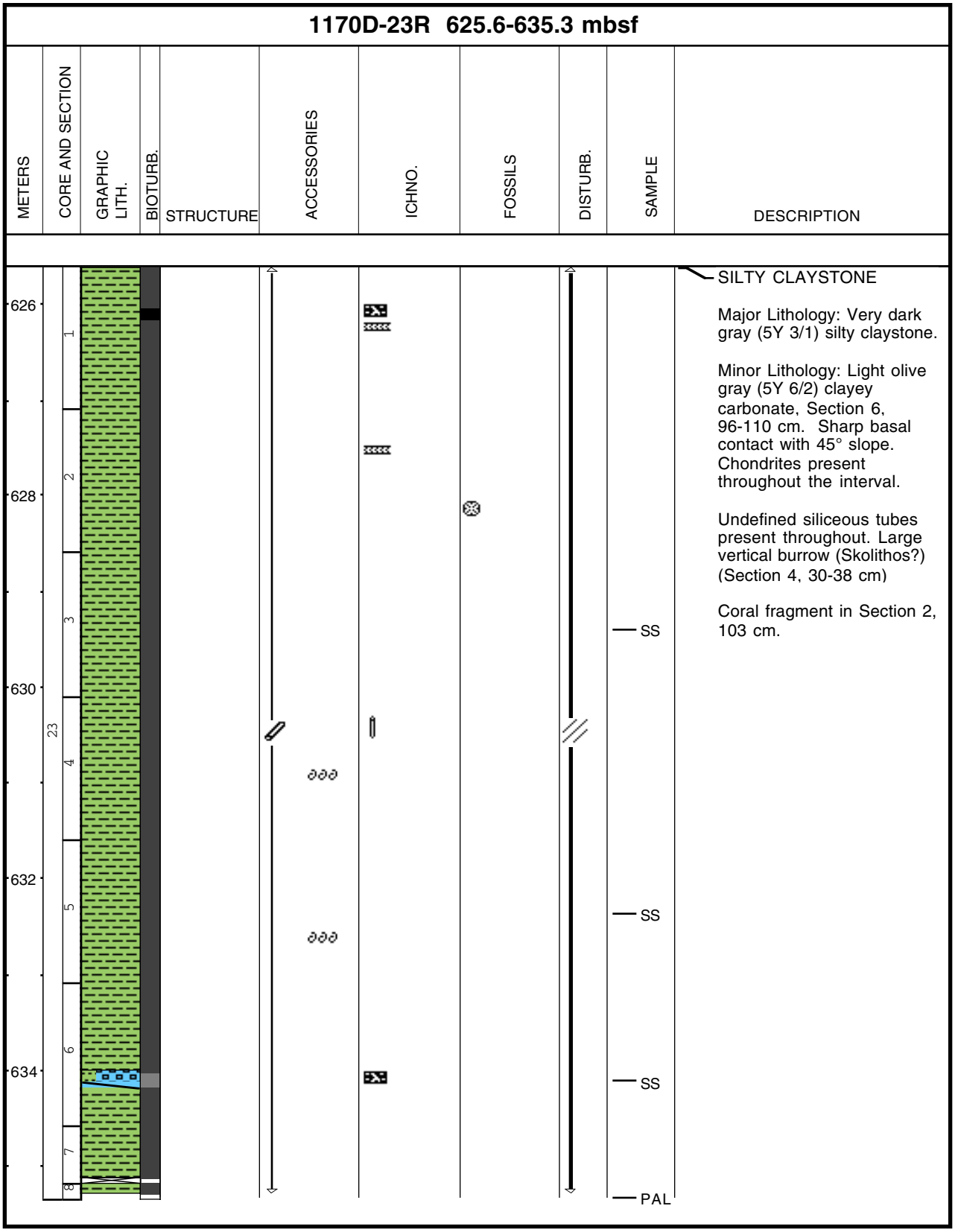
Core Photo


1170D-21R 606.3-615.9 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
608
610
612
614
21
1
2
3
4
5
6
7
SS
SS
PAL
CLAYEY SILTSTONE AND SILTY CLAYSTONE
Major lithology: Dark greenish brown (10Y 3/2) to dark yellowish brown (5Y 3/2) clayey siltstone grading to silty claystone in Section 6.
Unidentified siliceous tubes scattered throughout.

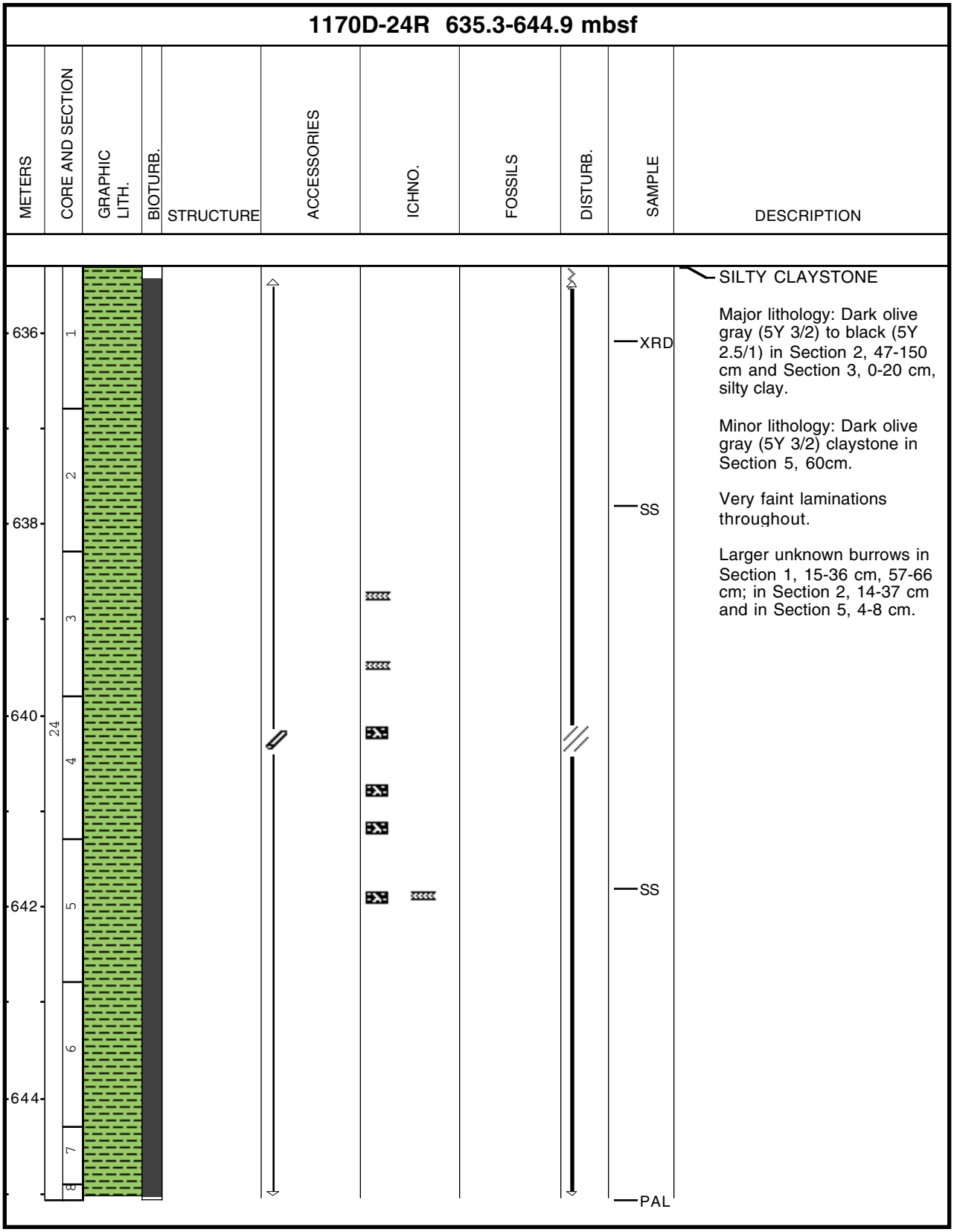
Core Photo


1170D-22R 615.9-625.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
618
620
622
624
22
1
2
3
4
5
6
7
8
9
SS
IW
SS
PAL
SILTY CLAYSTONE
Major lithology: Dark greenish gray (10Y 3/1) and very dark grayish brown (2.5Y 3/2) silty claystone.

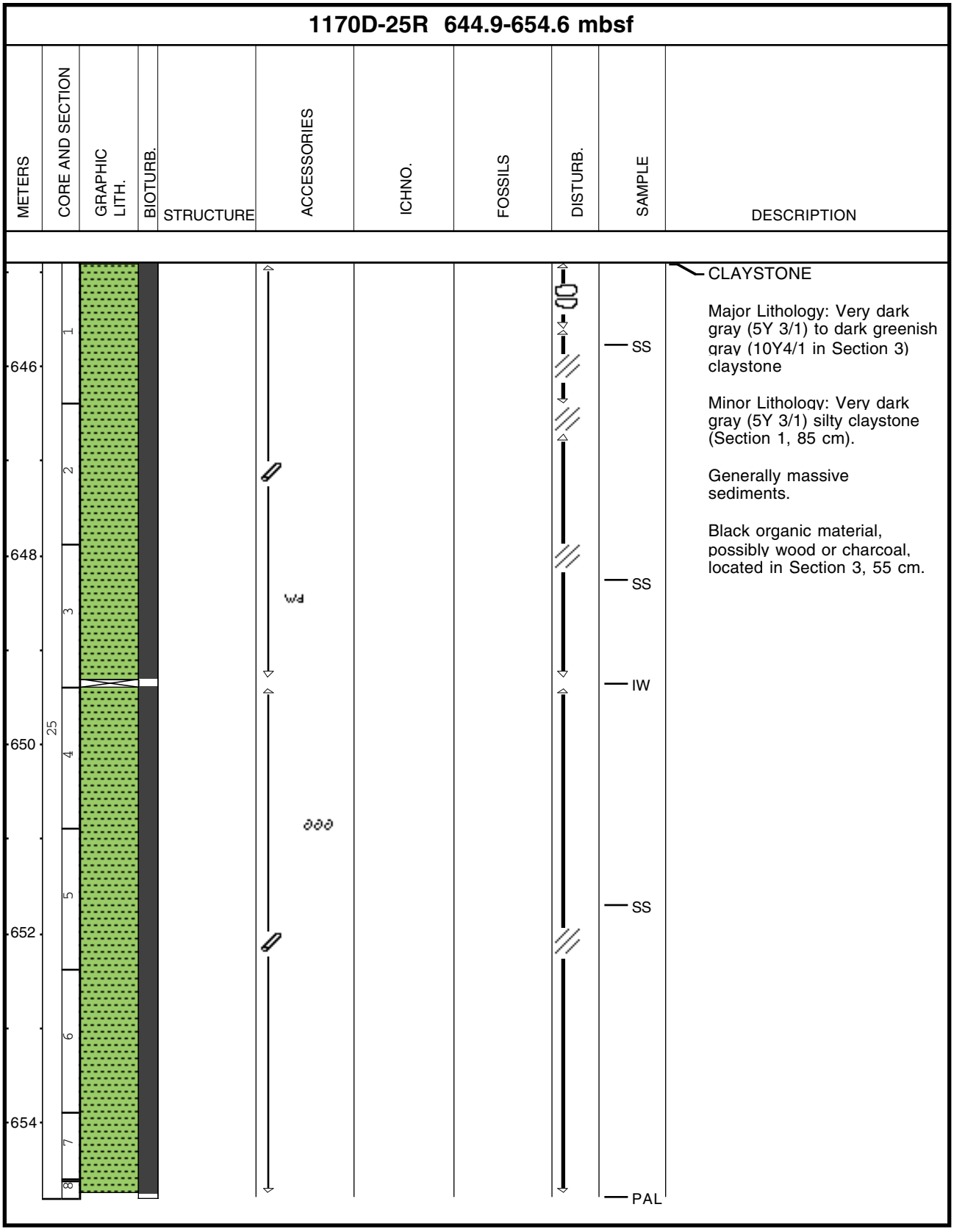
Core Photo


1170D-23R 625.6-635.3 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
626
628
630
632
634
23
1
2
3
4
5
6
7
8
SS
SS
SS
PAL
SILTY CLAYSTONE
Major Lithology: Very dark gray (5Y 3/1) silty claystone.
Minor Lithology: Light olive gray (5Y 6/2) clayey carbonate, Section 6, 96-110 cm. Sharp basal contact with 45° slope. Chondrites present throughout the interval.
Undefined siliceous tubes present throughout. Large vertical burrow (Skolithos?) (Section 4, 30-38 cm)
Coral fragment in Section 2, 103 cm.

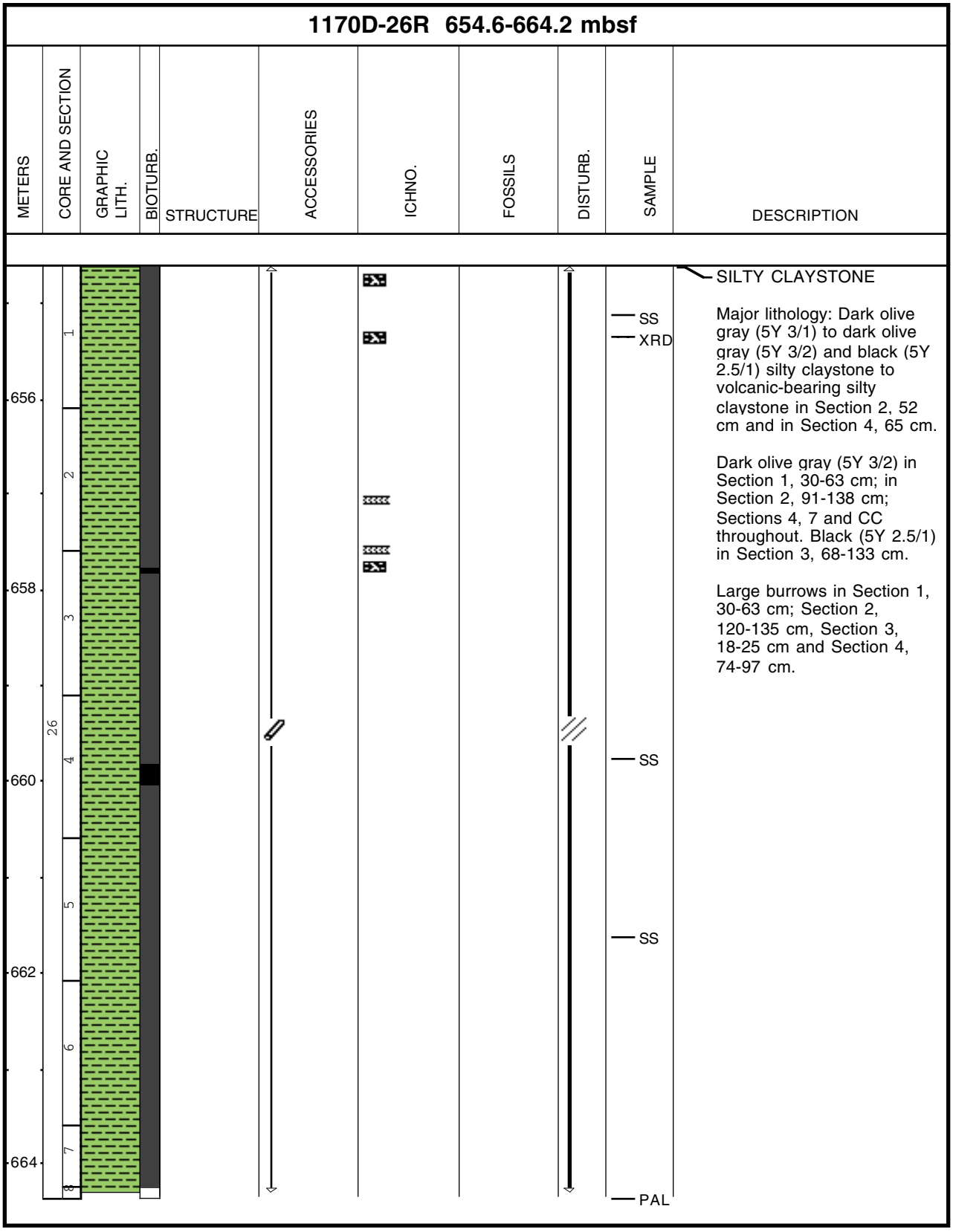
Core Photo


1170D-24R 635.3-644.9 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
636
638
640
642
644
24
1
2
3
4
5
6
7
8
XRD
SS
SS
PAL
SILTY CLAYSTONE
Major lithology: Dark olive gray (5Y 3/2) to black (5Y 2.5/1) in Section 2, 47-150 cm and Section 3, 0-20 cm, silty clay.
Minor lithology: Dark olive gray (5Y 3/2) claystone in Section 5, 60cm.
Very faint laminations throughout.
Larger unknown burrows in Section 1, 15-36 cm, 57-66 cm; in Section 2, 14-37 cm and in Section 5, 4-8 cm.

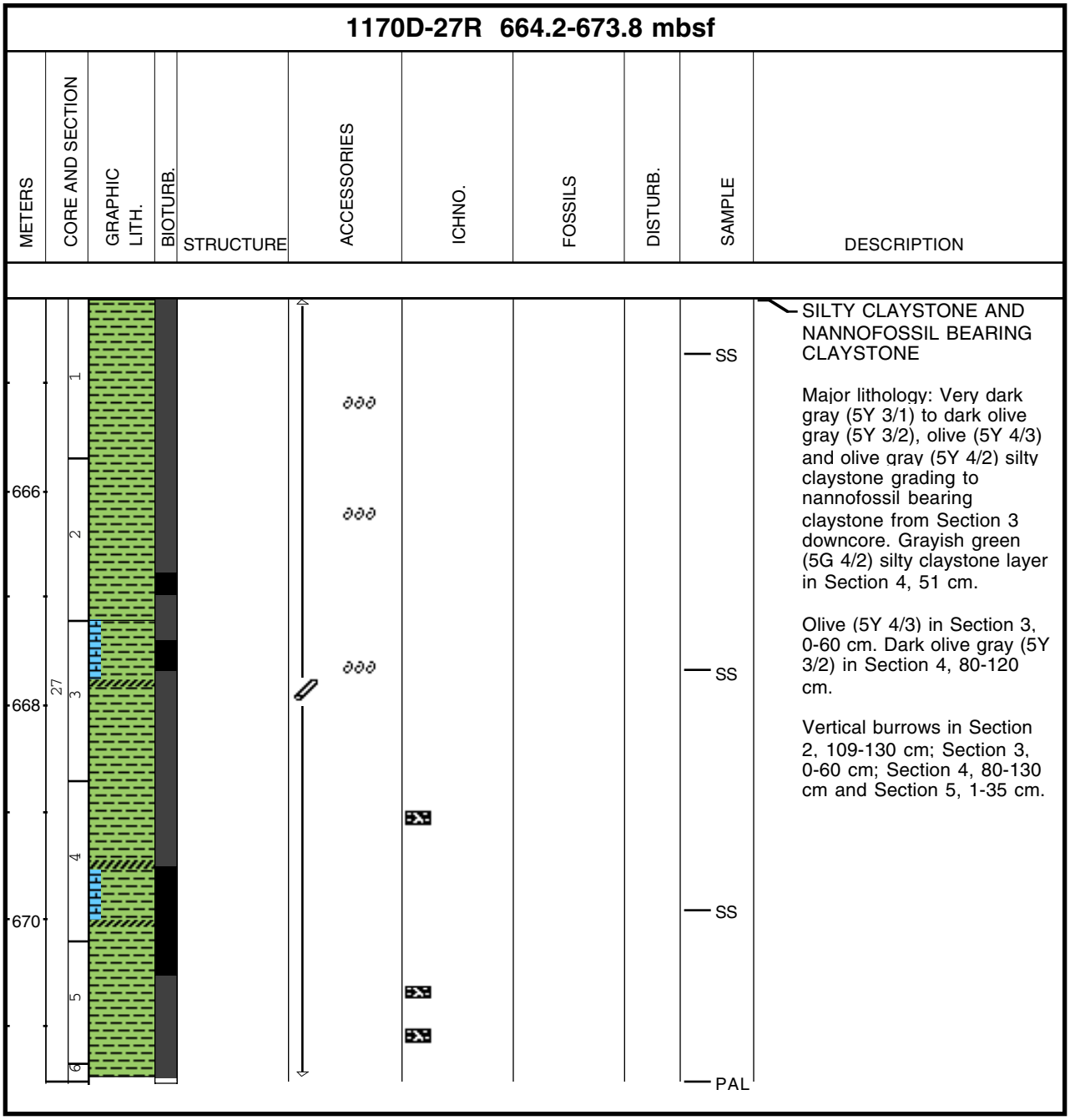
Core Photo


1170D-25R 644.9-654.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
646
648
650
652
654
25
1
2
3
4
5
6
7
8
SS
SS
IW
SS
PAL
CLAYSTONE
Major Lithology: Very dark gray (5Y 3/1) to dark greenish gray (10Y4/1 in Section 3) claystone
Minor Lithology: Very dark gray (5Y 3/1) silty claystone (Section 1, 85 cm).
Generally massive sediments.
Black organic material, possibly wood or charcoal, located in Section 3, 55 cm.

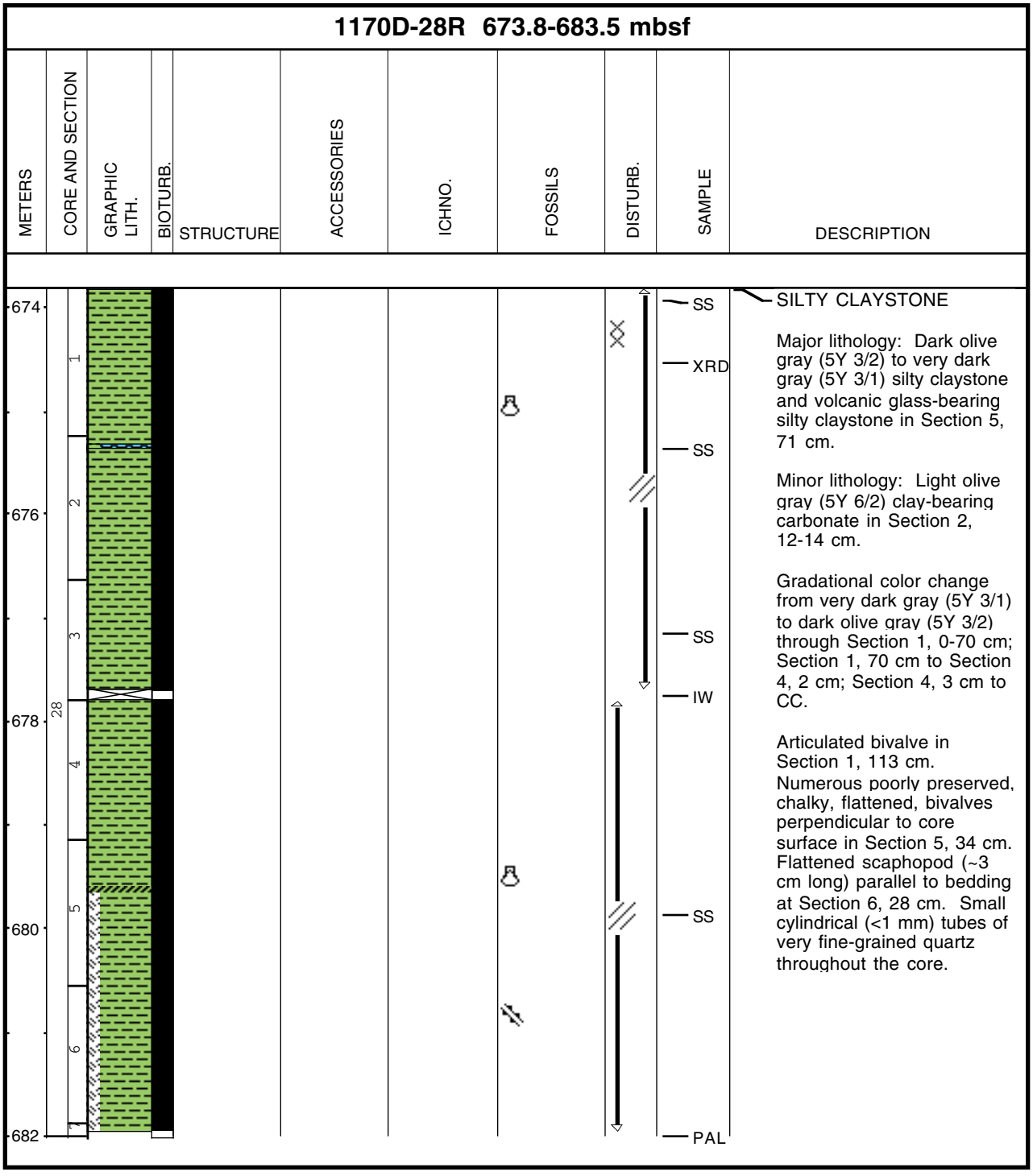
Core Photo


1170D-26R 654.6-664.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
656
658
660
662
664
26
1
2
3
4
5
6
7
8
SS
XRD
SS
SS
PAL
SILTY CLAYSTONE
Major lithology: Dark olive gray (5Y 3/1) to dark olive gray (5Y 3/2) and black (5Y 2.5/1) silty claystone to volcanic-bearing silty claystone in Section 2, 52 cm and in Section 4, 65 cm.
Dark olive gray (5Y 3/2) in Section 1, 30-63 cm; in Section 2, 91-138 cm; Sections 4, 7 and CC throughout. Black (5Y 2.5/1) in Section 3, 68-133 cm.
Large burrows in Section 1, 30-63 cm; Section 2, 120-135 cm, Section 3, 18-25 cm and Section 4, 74-97 cm.

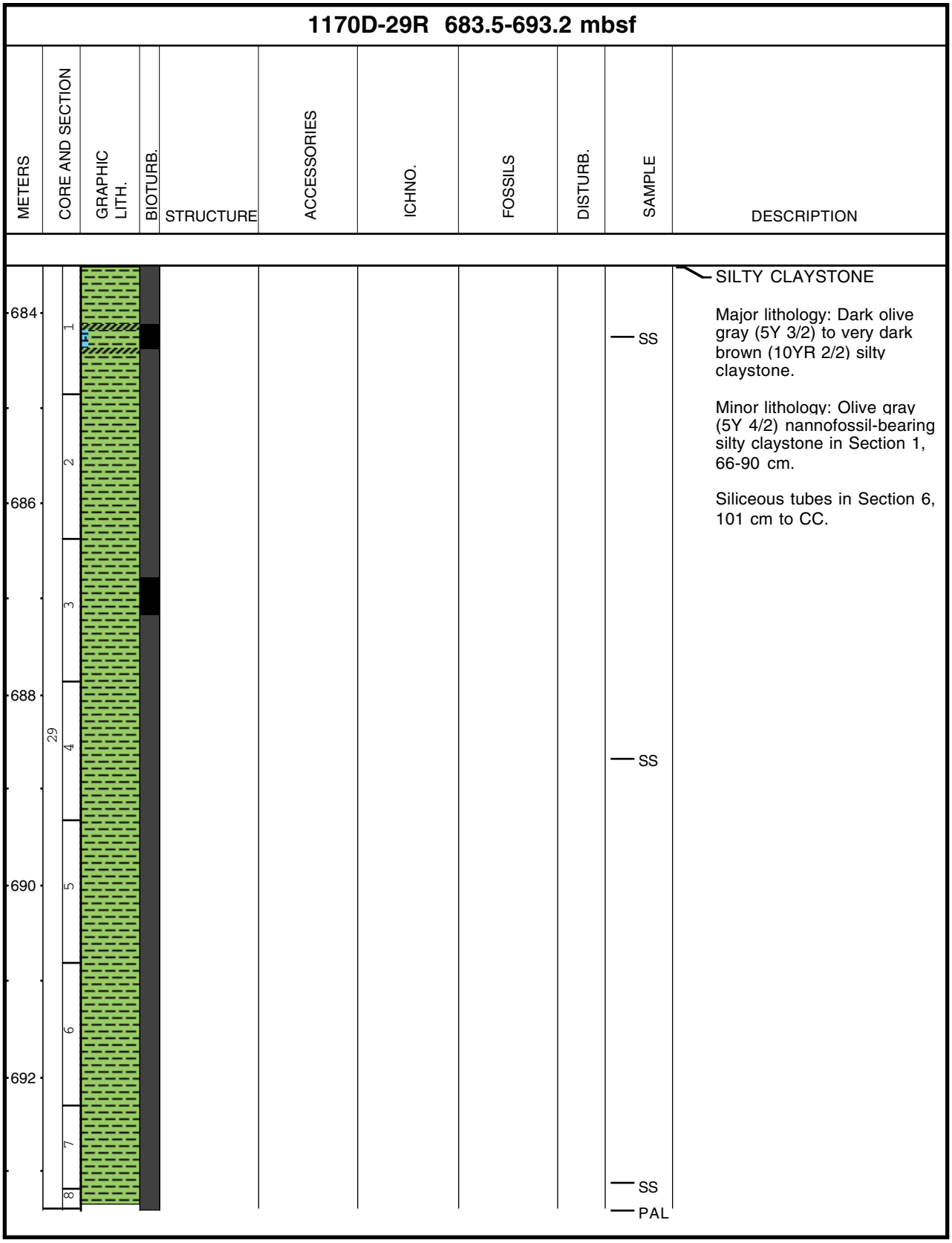
Core Photo


1170D-27R 664.2-673.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
666
668
670
27
1
2
3
4
5
6
SS
SS
SS
PAL
SILTY CLAYSTONE AND NANNOFOSSIL BEARING CLAYSTONE
Major lithology: Very dark gray (5Y 3/1) to dark olive gray (5Y 3/2), olive (5Y 4/3) and olive gray (5Y 4/2) silty claystone grading to nannofossil bearing claystone from Section 3 downcore. Grayish green (5G 4/2) silty claystone layer in Section 4, 51 cm.
Olive (5Y 4/3) in Section 3, 0-60 cm. Dark olive gray (5Y 3/2) in Section 4, 80-120 cm.
Vertical burrows in Section 2, 109-130 cm; Section 3, 0-60 cm; Section 4, 80-130 cm and Section 5, 1-35 cm.

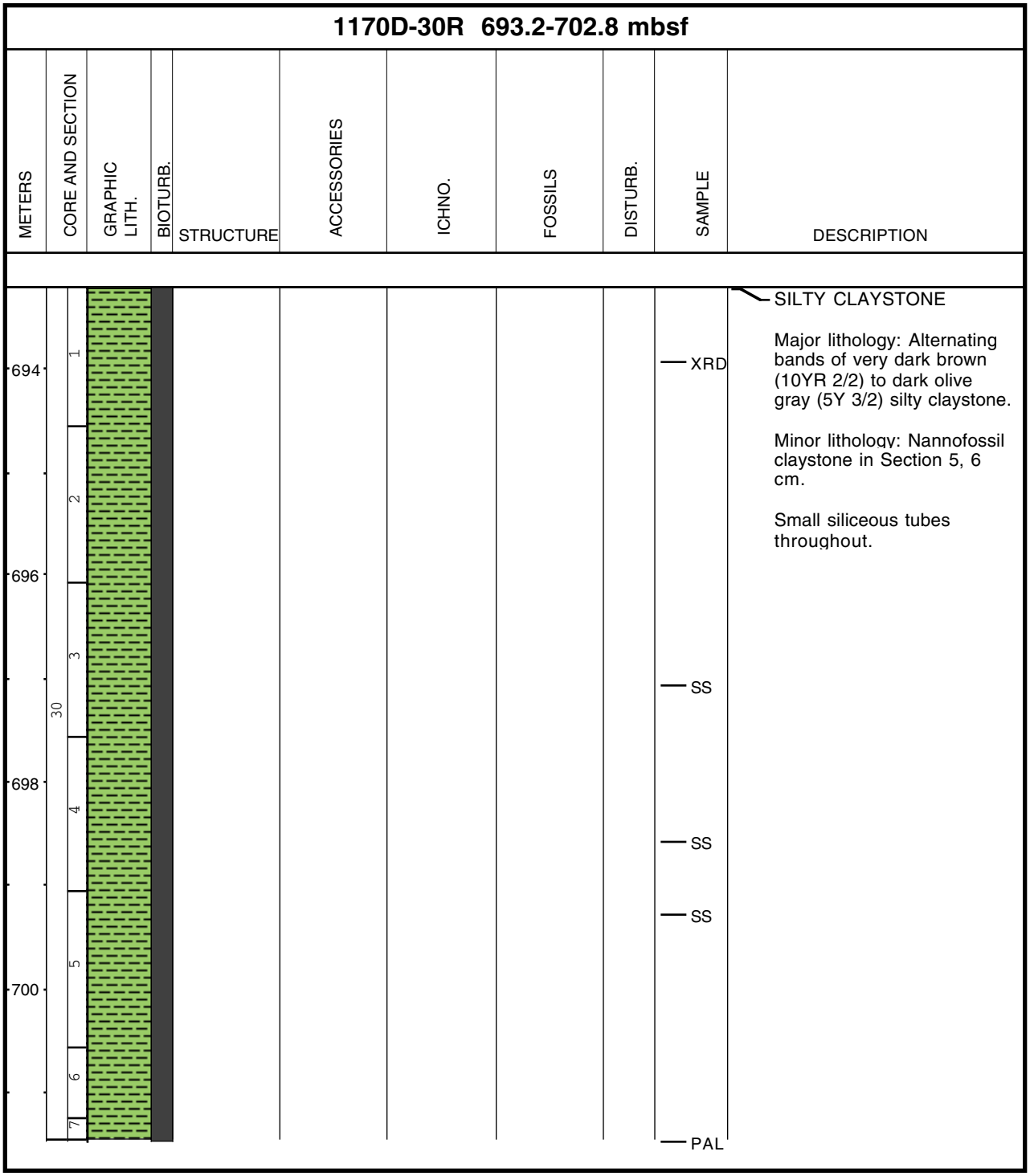
Core Photo


1170D-28R 673.8-683.5 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
674
676
678
680
682
28
1
2
3
4
5
6
7
SS
XRD
SS
SS
IW
SS
PAL
SILTY CLAYSTONE
Major lithology: Dark olive gray (5Y 3/2) to very dark gray (5Y 3/1) silty claystone and volcanic glass-bearing silty claystone in Section 5, 71 cm.
Minor lithology: Light olive gray (5Y 6/2) clay-bearing carbonate in Section 2, 12-14 cm.
Gradational color change from very dark gray (5Y 3/1) to dark olive gray (5Y 3/2) through Section 1, 0-70 cm; Section 1, 70 cm to Section 4, 2 cm; Section 4, 3 cm to CC.
Articulated bivalve in Section 1, 113 cm. Numerous poorly preserved, chalky, flattened, bivalves perpendicular to core surface in Section 5, 34 cm. Flattened scaphopod (~3 cm long) parallel to bedding at Section 6, 28 cm. Small cylindrical (<1 mm) tubes of very fine-grained quartz throughout the core.

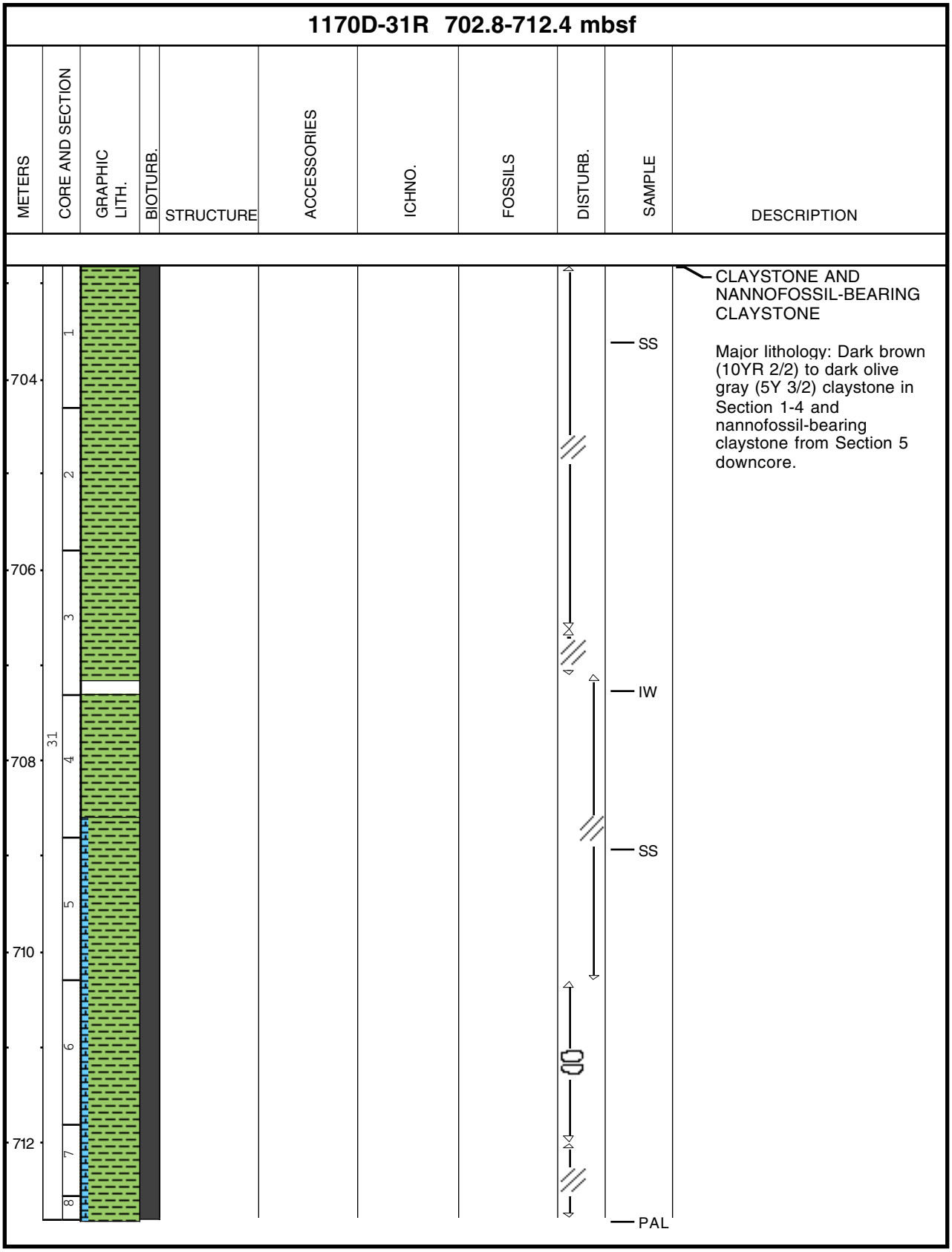
Core Photo


1170D-29R 683.5-693.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
684
686
688
690
692
29
1
2
3
4
5
6
7
8
SS
SS
SS
PAL
SILTY CLAYSTONE
Major lithology: Dark olive gray (5Y 3/2) to very dark brown (10YR 2/2) silty claystone.
Minor lithology: Olive gray (5Y 4/2) nannofossil-bearing silty claystone in Section 1, 66-90 cm.
Siliceous tubes in Section 6, 101 cm to CC.

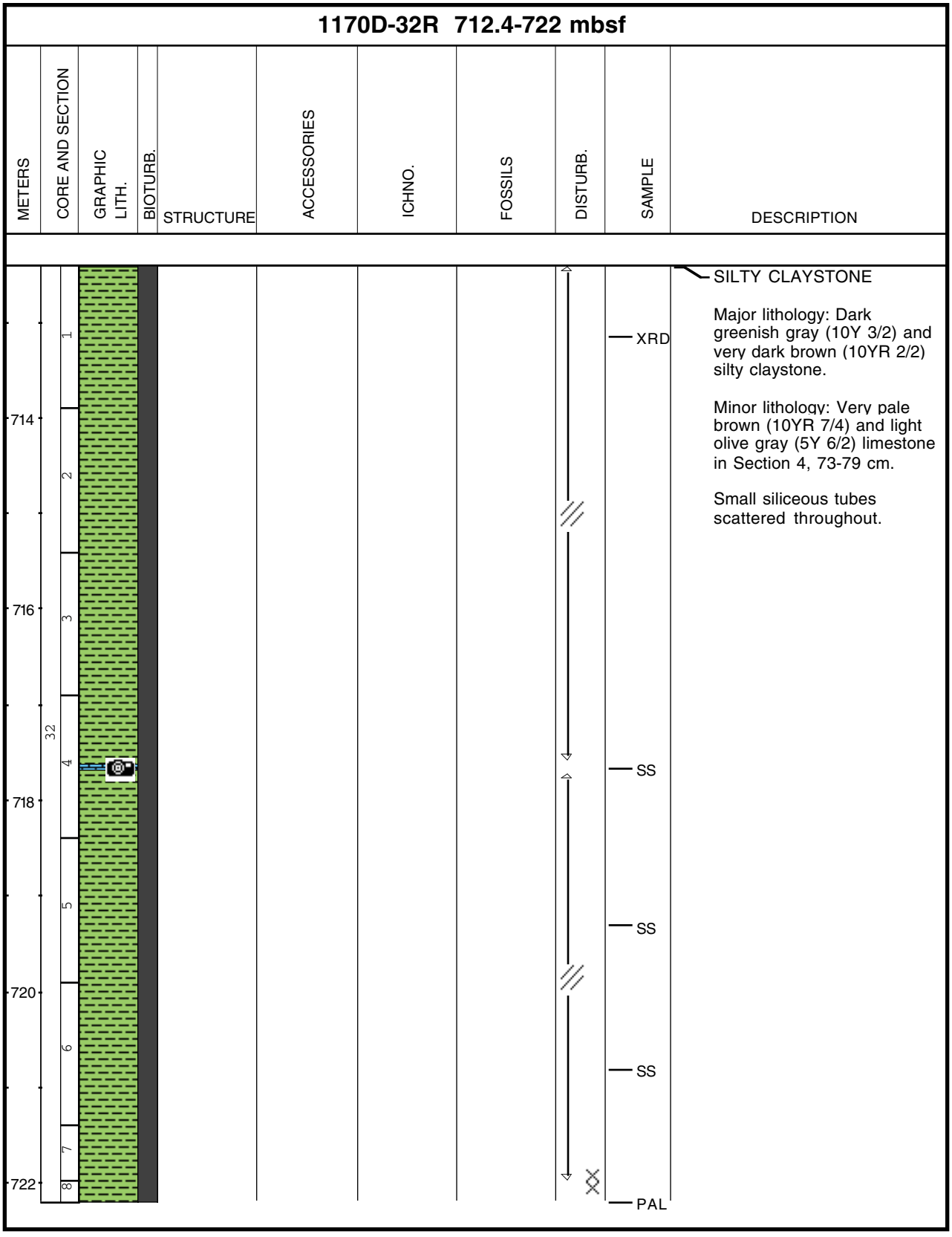
Core Photo


1170D-30R 693.2-702.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
694
696
698
700
30
1
2
3
4
5
6
7
XRD
SS
SS
SS
PAL
SILTY CLAYSTONE
Major lithology: Alternating bands of very dark brown (10YR 2/2) to dark olive gray (5Y 3/2) silty claystone.
Minor lithology: Nannofossil claystone in Section 5, 6 cm.
Small siliceous tubes throughout.

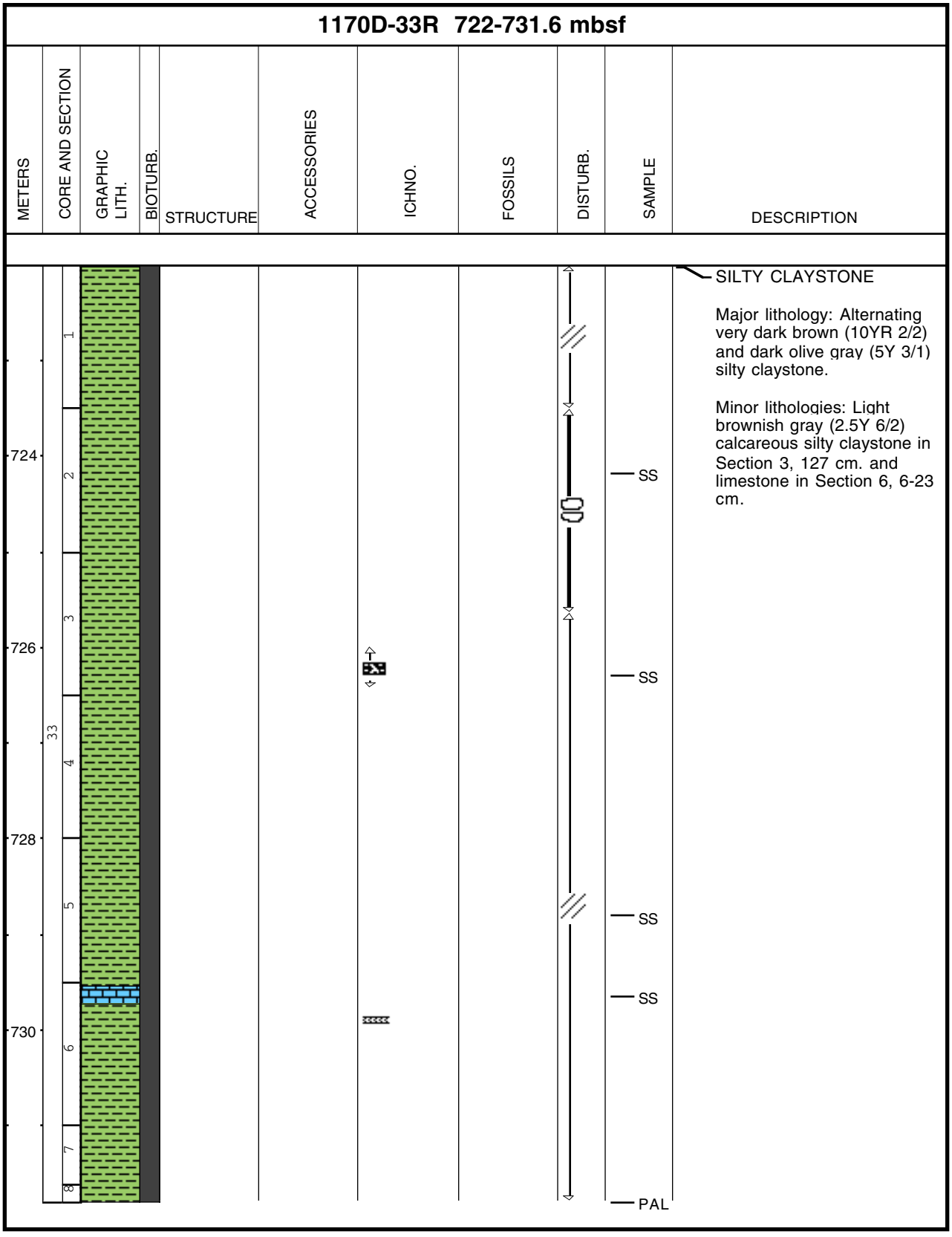
Core Photo


1170D-31R 702.8-712.4 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
704
706
708
710
712
31
1
2
3
4
5
6
7
8
SS
IW
SS
PAL
CLAYSTONE AND NANNOFOSSIL-BEARING CLAYSTONE
Major lithology: Dark brown (10YR 2/2) to dark olive gray (5Y 3/2) claystone in Section 1-4 and nannofossil-bearing claystone from Section 5 downcore.

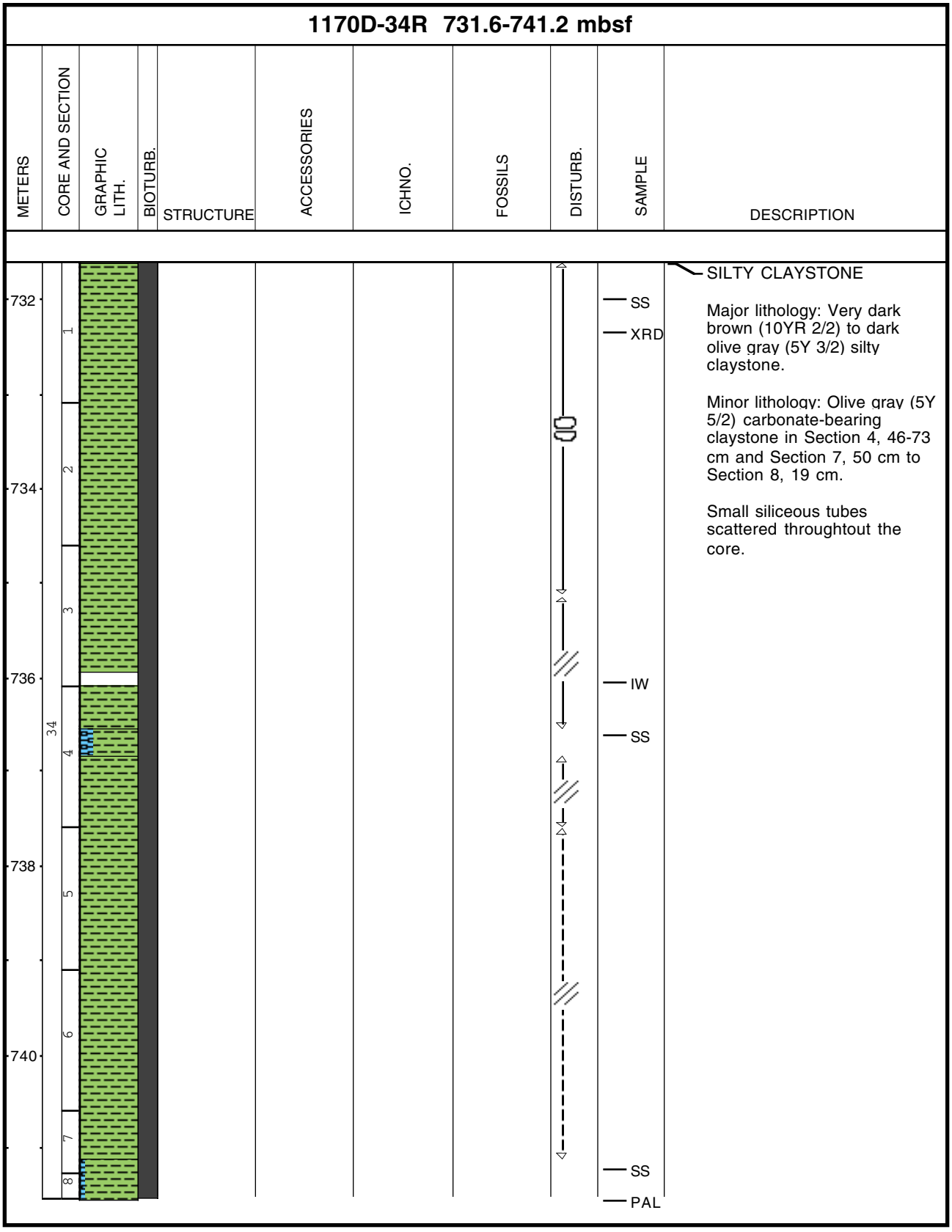
Core Photo


1170D-32R 712.4-722 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
714
716
718
720
722
32
1
2
3
4
5
6
7
8
XRD
SS
SS
SS
PAL
SILTY CLAYSTONE
Major lithology: Dark greenish gray (10Y 3/2) and very dark brown (10YR 2/2) silty claystone.
Minor lithology: Very pale brown (10YR 7/4) and light olive gray (5Y 6/2) limestone in Section 4, 73-79 cm.
Small siliceous tubes scattered throughout.

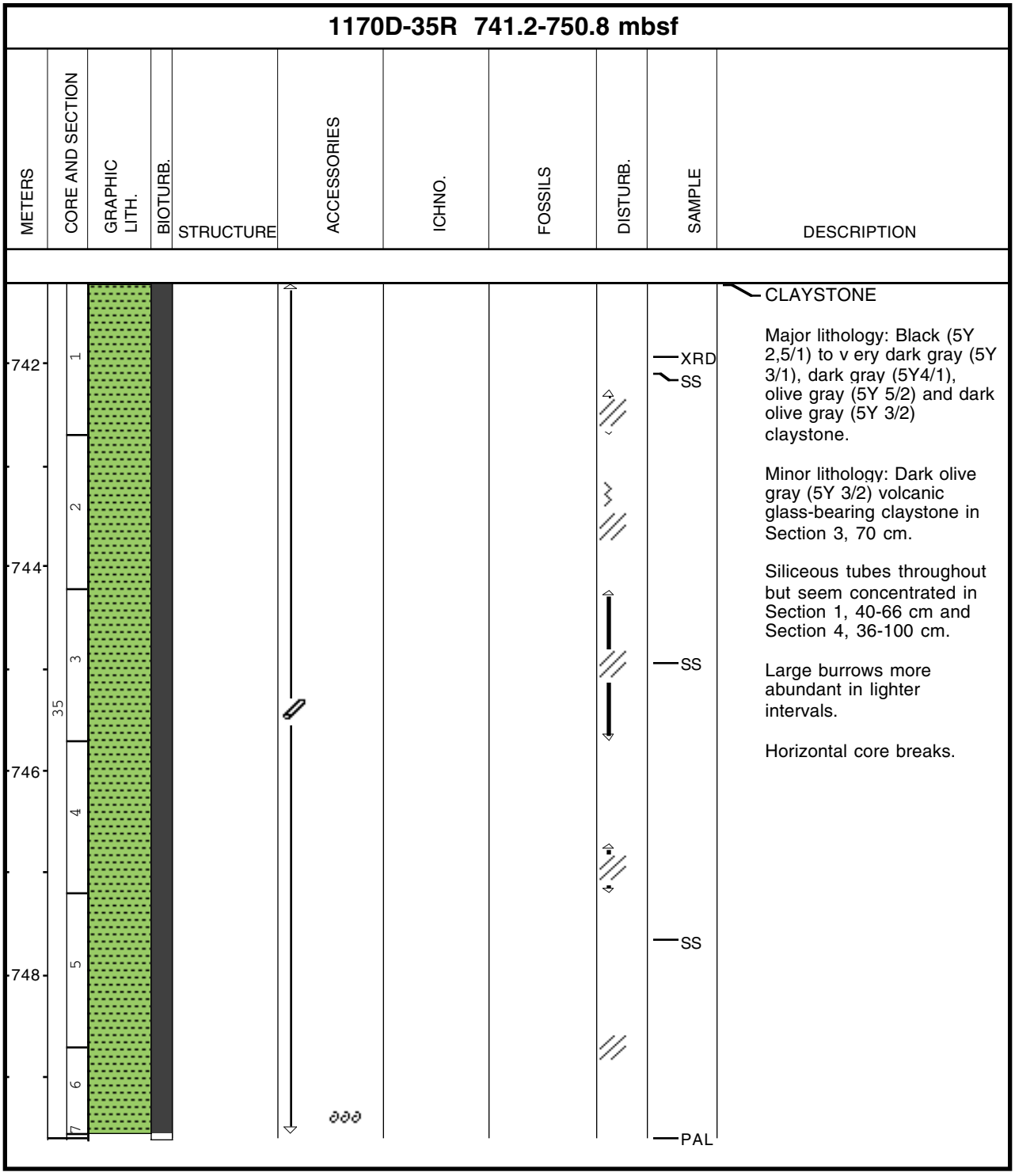
Core Photo


1170D-33R 722-731.6 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
724
726
728
730
33
1
2
3
4
5
6
7
8
SS
SS
SS
SS
PAL
SILTY CLAYSTONE
Major lithology: Alternating very dark brown (10YR 2/2) and dark olive gray (5Y 3/1) silty claystone.
Minor lithologies: Light brownish gray (2.5Y 6/2) calcareous silty claystone in Section 3, 127 cm. and limestone in Section 6, 6-23 cm.

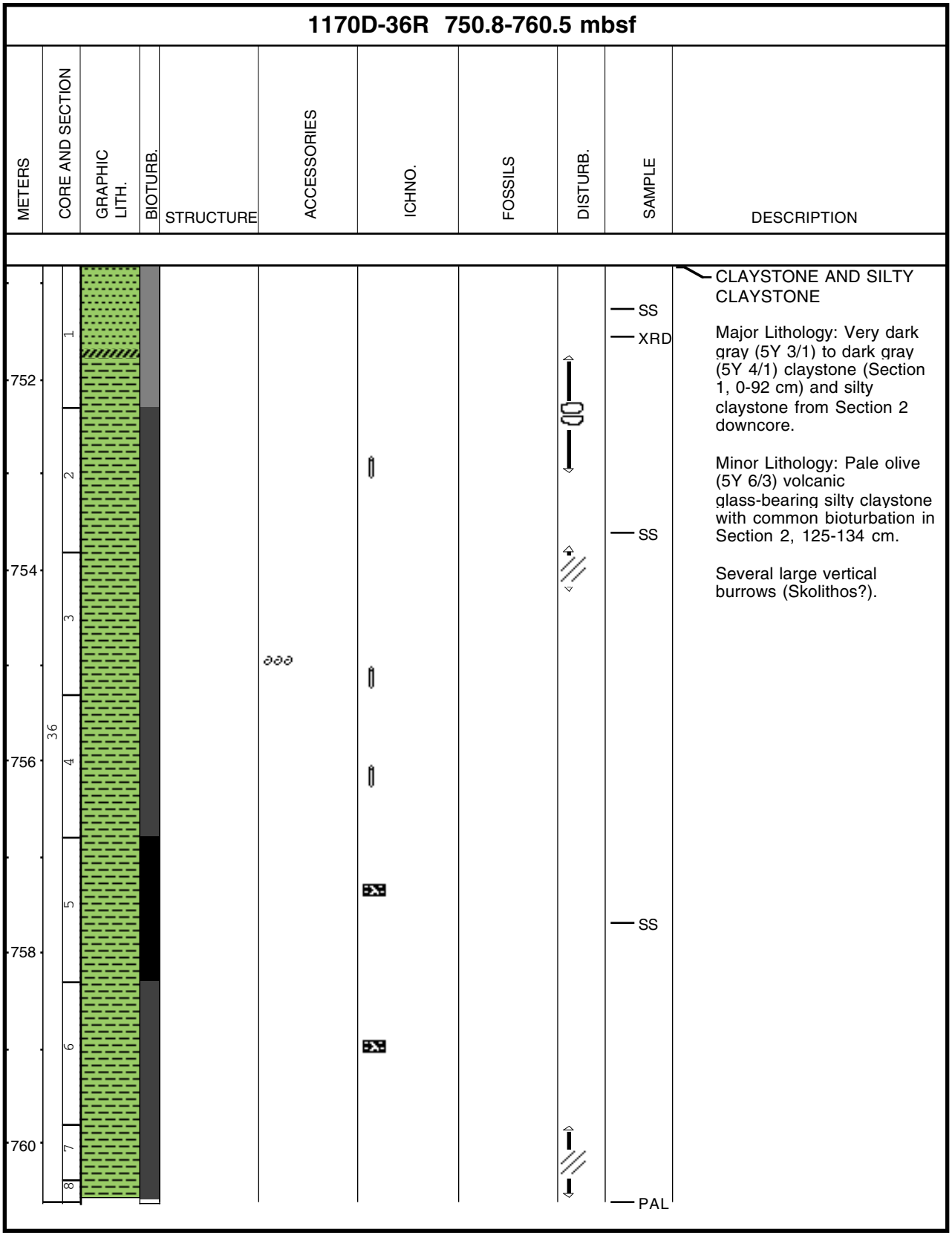
Core Photo


1170D-34R 731.6-741.2 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
732
734
736
738
740
34
1
2
3
4
5
6
7
8
SS
XRD
IW
SS
SS
PAL
SILTY CLAYSTONE
Major lithology: Very dark brown (10YR 2/2) to dark olive gray (5Y 3/2) silty claystone.
Minor lithology: Olive gray (5Y 5/2) carbonate-bearing claystone in Section 4, 46-73 cm and Section 7, 50 cm to Section 8, 19 cm.
Small siliceous tubes scattered throughtout the core.

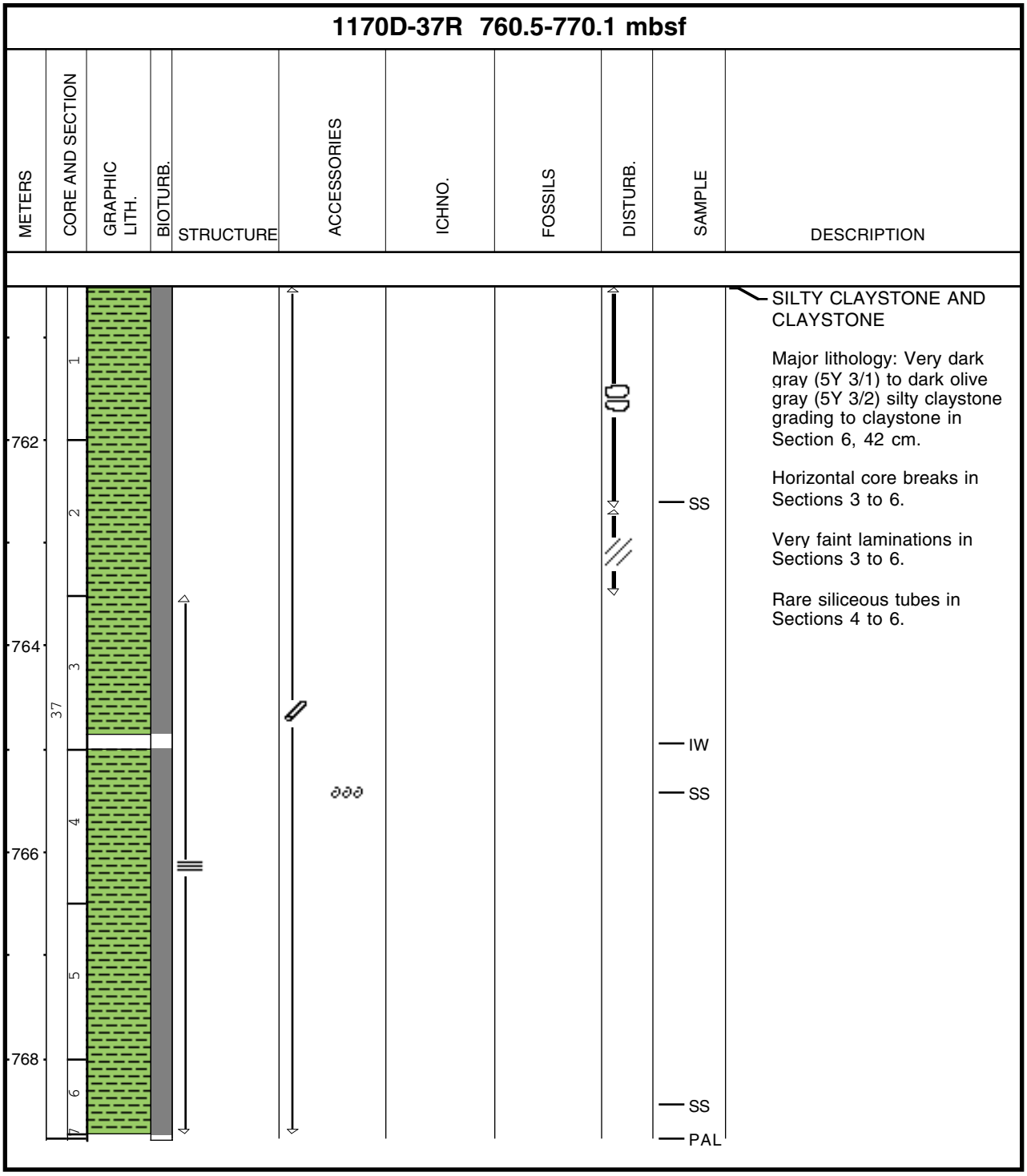
Core Photo


1170D-35R 741.2-750.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
742
744
746
748
35
1
2
3
4
5
6
7
XRD
SS
SS
SS
PAL
CLAYSTONE
Major lithology: Black (5Y 2,5/1) to v ery dark gray (5Y 3/1), dark gray (5Y4/1), olive gray (5Y 5/2) and dark olive gray (5Y 3/2) claystone.
Minor lithology: Dark olive gray (5Y 3/2) volcanic glass-bearing claystone in Section 3, 70 cm.
Siliceous tubes throughout but seem concentrated in Section 1, 40-66 cm and Section 4, 36-100 cm.
Large burrows more abundant in lighter intervals.
Horizontal core breaks.

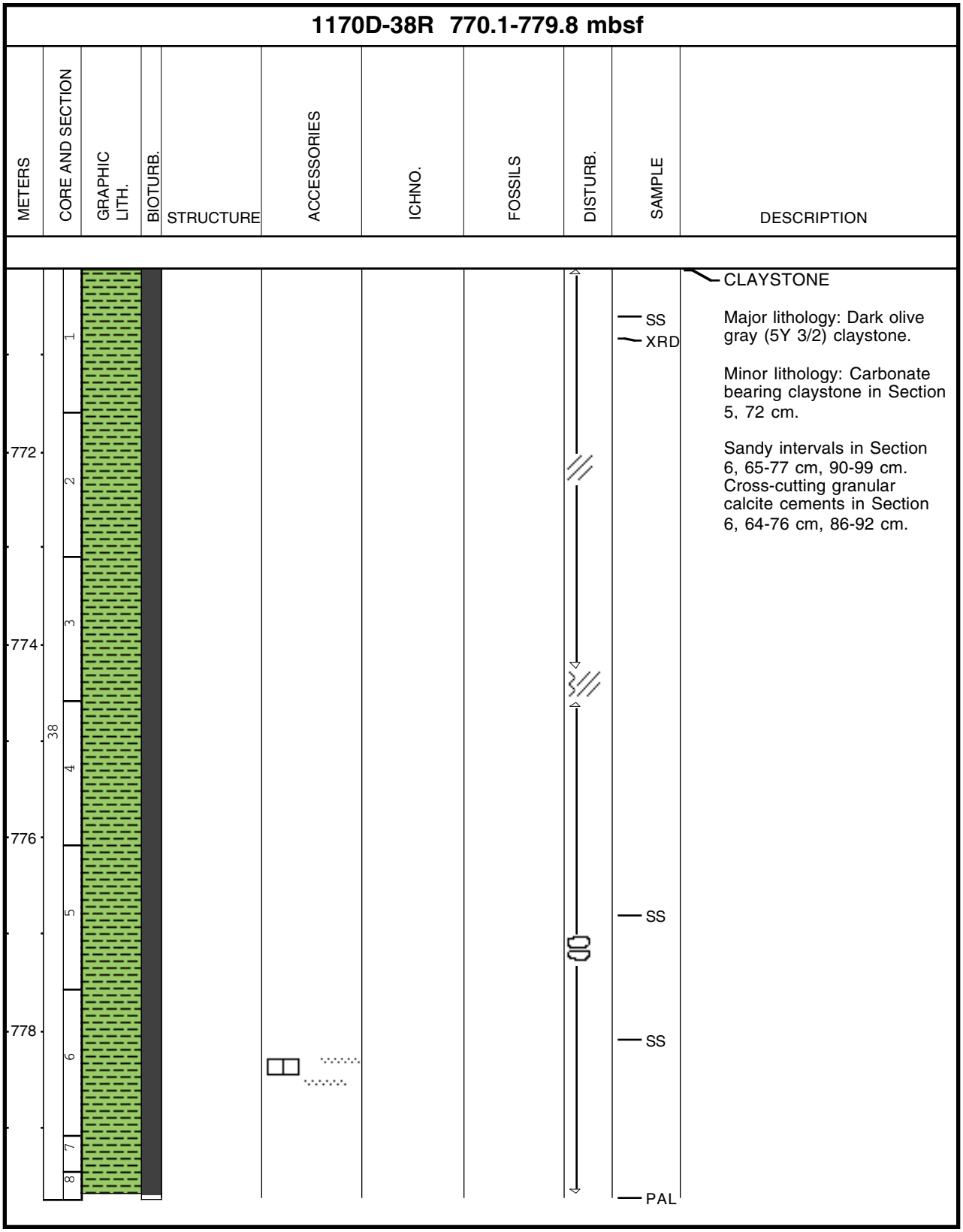
Core Photo


1170D-36R 750.8-760.5 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
752
754
756
758
760
36
1
2
3
4
5
6
7
8
SS
XRD
SS
SS
PAL
CLAYSTONE AND SILTY CLAYSTONE
Major Lithology: Very dark gray (5Y 3/1) to dark gray (5Y 4/1) claystone (Section 1, 0-92 cm) and silty claystone from Section 2 downcore.
Minor Lithology: Pale olive (5Y 6/3) volcanic glass-bearing silty claystone with common bioturbation in Section 2, 125-134 cm.
Several large vertical burrows (Skolithos?).

Core Photo


1170D-37R 760.5-770.1 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
762
764
766
768
37
1
2
3
4
5
6
7
SS
IW
SS
SS
PAL
SILTY CLAYSTONE AND CLAYSTONE
Major lithology: Very dark gray (5Y 3/1) to dark olive gray (5Y 3/2) silty claystone grading to claystone in Section 6, 42 cm.
Horizontal core breaks in Sections 3 to 6.
Very faint laminations in Sections 3 to 6.
Rare siliceous tubes in Sections 4 to 6.

Core Photo


1170D-38R 770.1-779.8 mbsf
METERS
CORE AND SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
772
774
776
778
38
1
2
3
4
5
6
7
8
SS
XRD
SS
SS
PAL
CLAYSTONE
Major lithology: Dark olive gray (5Y 3/2) claystone.
Minor lithology: Carbonate bearing claystone in Section 5, 72 cm.
Sandy intervals in Section 6, 65-77 cm, 90-99 cm. Cross-cutting granular calcite cements in Section 6, 64-76 cm, 86-92 cm.

Sample							Texture			Mineral												Biogenic								Rock			
Hole	Core	CT	Section	Top	Depth (mbsf)	Lithology	Sand	Silt	Clay	Acces. Min. (1)	Calcite (30)	Carbonate (35)	Clay (47)	Dolomite (62)	Glauconite (82)	Mica (118)	Opal Or Opaline Frag$ (139)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Qtz (172)	Volc. Glass (81)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	organic debris (161)	Bioclasts (21)	Carb. Grains (32)	Lithic Fragments (106)	Comments
1170																																	
A	1	H	1	50	0.50	M	1		99	2			9								1		3		13	59		2	2		9			Foraminifer-bearing nannofossil ooze
A	1	H	1	100	1.00	M			100	2			10										2		6	67		1	1		11			Clay-bearing nannofossil ooze
A	1	H	1	140	1.40	D			100	1			4										5		7	71		4	2		6			Nannofossil ooze
A	2	H	2	145	4.65	M		10	90	3			21					1			1		4		2	62		1	2		3			Clay- bearing nannofossil ooze
A	2	H	5	106	8.76	D		30	70	1		1	6					2			1		4		7	69	2	1	1		5			Nannofossil ooze
A	3	H	1	70	11.90	D			100	1			4										2		8	81	1	1	1		1			Nannofossil ooze
A	3	H	6	133	19.75	M			100			2	12					2					17			44	5	6	12					Clay-spicule- and diatom- bearing nannofossil ooze
A	3	H	7	50	20.42	D			100	3			15										8	1	3	62	1	2	5					Clay- bearing nannofossil ooze
A	4	H	2	70	22.30	D			100				2										6		20	60	10		2					Radiolarian-, foraminifer-bearing nannofossil ooze
A	4	H	2	70	22.30	D			100	1			4										12		17	50	4	2	2		8			Diatom- and foraminifer- bearing nannofossil ooze
A	4	H	3	70	23.73	D			100				2										21		17	50	5		5					Foraminifer-, diatom-bearing nannofossil ooze
A	4	H	4	70	25.19	D			100				2										12		15	60	5		3		3			Diatom- and Foraminifer-bearing nannofossil ooze
A	5	H	1	106	31.26	D			100														10		25	45	5	2	3		10			Carbonate-, diatom-, foraminifer-bearing nannofossil ooze
A	5	H	3	32	33.52	M			100				2										15		5	55	5		10		8			Spicule-, diatom-bearing nannofossil ooze
A	5	H	4	86	35.56	D			100														8	1	15	70	5	1						Foraminifer-bearing nannofossil ooze
A	6	H	1	40	40.10	D			100														4		6	75	2		3		10			Bioclast-bearing nannofossil ooze
A	6	H	3	53	43.23	D			100														10		5	70	4		8		3			Diatom-bearing nannofossil ooze
A	6	H	4	53	44.73	M			100														15		5	64	8		3		5			Diatom-bearing nannofossil ooze
A	6	H	6	41	47.61	D			100														4		2	85	6				3			Nannofossil ooze
A	7	H	1	70	49.90	D			100														12		15	65	5		3					Foraminifer- diatom-bearing nannofossil ooze
A	7	H	1	115	50.35	M			100														17		5	55	10		8		5			Radiolarian-, diatom-bearing nannofossil ooze
A	7	H	6	69	57.39	M			100														19		1	60	7		8		5			Diatom-bearing nannofossil ooze
A	8	H	1	110	59.80	D			100	2		3	30								1	1	15		15	20	5	1			7			Foraminifer-, diatom-and nannofossil bearing clay
A	8	H	2	80	61.00	D			100	5		7	24								1		25		10	20	5				3			Foraminifer-, nannofossil-, and clay-bearing diatom ooze
A	8	H	3	70	62.40	D			100	5		5	20								1		15		10	31	5	1	2		5			Foraminifer, Diatom-and clay-bearing nannofossil ooze
A	8	H	3	80	62.50	M			100	3		5	20								1		15		15	33	5				3			Foraminifer, Diatom-and clay-bearing nannofossil ooze
A	8	H	4	110	64.30	D			100	3		7	23								2		25		7	20	5	1			7			Nanno and clay bearing diatom ooze
A	8	H	5	86	65.46	D			100	2		5	15								1		25		5	37	2	1			7			Clay and diatom bearing nannofossil ooze
A	8	H	6	20	66.30	D			100	3		7	15								1		15		20	32	3		1		3			Diatom, clay and foraminifer bearing nannofossil ooze
A	9	H	2	50	70.20	D			100	7		2	5					1			2		15		15	48					5			Diatom and foraminifer bearing nannofossil ooze
A	9	H	3	20	71.40	M			100	3		10	30								2		15		7	21	3		2		7			Carbonate, diatom and nannofossil bearing clay
A	9	H	4	50	73.20	D			100	5		2	35								1		15		20	15					7			Diatom, nannofossil and foraminifer bearing clay
A	9	H	6	50	76.20	D			100	3		5	7								1		20		15	41	1				7			Foraminifer and diatom bearing nannofossil ooze
A	10	H	2	90	80.10	D		1	99			3	30								1		25		10	25	1		1		4			Foraminifer-, diatom-, nannofossil- bearing clay
A	10	H	3	28	80.98	D		1	99				40								2		20		3	30	5							Diatom-bearing nannofossil clay
A	10	H	3	75	81.45	M			100				30								2		50		3	10	2		3					Nannofossil-bearing clayey diatom ooze
A	10	H	4	74	82.94	D			100				55								2		25		5	10	3							Nannofossil-bearing diatom-bearing clay
A	10	H	6	51	85.71	D			100				75								2		7		3	10	2		1					Nannofossil-bearing clay
A	11	H	2	64	89.34	M			100	2		5	15								3		10		15	46	1				3			Diatom, foraminifer and clay bearing nannofossil ooze
A	11	H	3	120	91.40	D			100	1		3	7								1		15		5	61	3	1			3			Diatom-bearing nannofossil ooze
A	11	H	5	50	93.70	D			100	7		3	7								1		15		10	51	2		1		3			Foraminifer and diatom bearing nannofossil ooze
A	11	H	7	40	96.60	D			100	2		3	15								1	1	15		7	53		1			2			Diatom and clay-bearing nannofossil ooze
A	12	H	1	90	97.60	D			100	5			5								5		20		15	42			1		7			Foraminifer and diatom-bearing nannofossil ooze
A	12	H	3	80	100.50	M			100			2	20					1			7		15		5	44	2		1		3			Diatom and clay-bearing nannofossil ooze

Sample							Texture			Mineral													Biogenic								Rock			
Hole	Core	CT	Section	Top	Depth (mbsf)	Lithology	Sand	Silt	Clay	Acces. Min. (1)	Calcite (30)	Carbonate (35)	Clay (47)	Dolomite (62)	Glauconite (82)	Mica (118)	Opal Or Opaline Frag$ (139)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Qtz (172)	Volc. Glass (81)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	organic debris (161)	Bioclasts (21)	Carb. Grains (32)	Lithic Fragments (106)	Comments
1170																																		
A	12	H	5	40	103.10	D			100			3	7								7		15		20	43	3				2			Diatom and Foraminifer-bearing nannofossil ooze
A	12	H	7	30	106.00	M			100	2		3	5								3		3		20	59	1		1		3			Foraminifer-bearing nannofossil ooze
A	13	H	4	49	111.19	D			100			7	3								3				15	67					5			Foraminifer-bearing nannofossil ooze
A	13	H	5	35	112.55	D			100	3		2	3								5				15	68			1		3			Foraminifer-bearing nannofossil ooze
A	13	H	6	42	114.12	D			100			5	15								3				20	55					2			Clay-, Foraminifer-bearing nannofossil ooze
A	14	H	2	72	117.92	M			100				56					1			2				6	30	3				2			Nannofossil clay
A	14	H	2	110	118.30	D			100				38					1			1		5		5	40	4	1	1		4			Clayey nannofossil ooze
A	14	H	3	43	119.13	D		5	95				20					1			3		3		15	53					5			Foraminifer- and clay-bearing nannofossil ooze
A	14	H	5	46	122.16	D			100				34								2		5		15	35	2		1		6			Foraminifer- bearing clayey nannofossil ooze
A	15	H	3	70	128.92	D			100				15										1		15	60	1	2	1		5			Foraminifer- and clay-bearing nannofossil ooze
A	15	H	4	41	130.13	M			100				25										2		5	60	2	1			5			Clay-bearing nannofossil ooze
A	15	H	4	54	130.26	D			100				10										1		5	70	2	2			10			Clay-bearing nannofossil ooze
A	15	H	6	32	133.04	D			100			3	15										1		2	77	1	1						Clay-bearing nannofossil ooze
A	16	H	2	50	136.70	D			100														7			85	3		1		4			Nannofossil ooze
A	16	H	4	50	139.70	D			100														1		3	90	2		1		3			Nannofossil ooze
A	16	H	6	50	142.70	M			100														3		15	75	2				5			Foraminifer-bearing nannofossil ooze
A	17	H	1	80	145.00	D			100														2		10	80	2				6			Foraminifer-bearing nannofossil ooze
A	17	H	5	70	150.71	D			100														2		7	85	2				4			Nannofossil ooze
A	18	H	4	37	158.57	D			100														3		2	90	1		2		2			Nannofossil ooze
A	19	X	2	40	165.10	D			100														7		1	85	1		3		3			Nannofossil ooze
A	20	X	1	84	167.54	D			100														10		50	30	3		2		5			Diatom-bearing nannofossil foraminifer ooze
A	20	X	1	103	167.73	D			100														8		12	57	5		3		15			Foraminifer-bioclast-bearing nannofossil ooze
A	20	X	4	65	171.85	D			100														10		20	57	6				7			Diatom- and Foraminifer-bearing nannofossil ooze
A	21	X	1	48	176.78	D			100														30		12	33	10		10		5			Radiolarian-, sponge spicules-, and foraminifer-bearing diatom nannofossil ooze
A	21	X	2	136	179.16	D			100														8		15	64	5		5		3			Foraminifer-bearing nannofossil ooze
A	22	X	3	80	189.70	D			100														5		10	70	5		5		5			Foraminifer-bearing nannofossil ooze
A	23	X	2	117	198.17	D			100														3		7	85	3				2			Nannofossil ooze
A	23	X	3	72	199.22	D			100														3		6	82	7				2			Nannofossil ooze
A	23	X	4	98		D			100														2		15	81	1				1			Foraminifer-bearing nannofossil ooze
A	24	X	1	34	205.44	D			100														5		12	72	7		2		2			Foraminifer-bearing nannofossil ooze
A	24	X	2	46	207.06	D			100														2		10	84	2		1		1			Foraminifer-bearing nannofossil ooze
A	24	X	4	44	210.04	D			100														1		10	85	1		1		2			Foraminifer-bearing nannofossil ooze
A	25	X	1	30	215.00	D			100																10	88					2			Foraminifer-bearing nannofossil ooze
A	25	X	2	129	217.49	D			100														3		8	85	1		1		2			Nannofossil ooze
A	25	X	4	69	219.89	D			100														4		7	82	4		1		2			Nannofossil ooze
A	26	X	1	113	225.43	D			100																3	95					2			Nannofossil ooze
A	26	X	2	18	225.98	D			100																2	95					3			Nannofossil ooze
A	26	X	3	31	227.11	D			100														1		4	86	5				4			Nannofossil ooze
A	27	X	1	41	234.31	D			100																4	82	8		3		3			Nannofossil ooze
A	27	X	2	71	236.11	D			100																4	89	4		1		2			Nannofossil ooze
A	27	X	4	16	238.56	D			100																4	91	2		1		2			Nannofossil ooze
A	28	X	1	50	244.00	D			100	1			12										1		3	80	1				2			Clay-bearing nannofossil ooze
A	28	X	3	50	247.00	D			100				10										2		2	82	1				3			Clay-bearing nannofossil ooze
A	28	X	5	50	250.00	D			100	4			5										2		10	72	2				5			Foraminifer-bearing nannofossil ooze
A	29	X	1	40	253.50	D			100												3		1		7	87	1		1					Nannofossil ooze

Sample							Texture			Mineral													Biogenic								Rock			
Hole	Core	CT	Section	Top	Depth (mbsf)	Lithology	Sand	Silt	Clay	Acces. Min. (1)	Calcite (30)	Carbonate (35)	Clay (47)	Dolomite (62)	Glauconite (82)	Mica (118)	Opal Or Opaline Frag$ (139)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Qtz (172)	Volc. Glass (81)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	organic debris (161)	Bioclasts (21)	Carb. Grains (32)	Lithic Fragments (106)	Comments
1170																																		
A	29	X	3	40	256.50	D			100		2										1		1		5	89	1		1					Nannofossil ooze
A	29	X	5	10	259.20	M			100												3		1		10	77	1		1		7			Foraminifer-bearing nannofossil ooze
A	30	X	1	70	263.40	D			100				1								1				2	94			1		1			Nannofossil ooze
A	30	X	4	85	268.05	D			100				1								1				2	90	1		1		4			Nannofossil ooze
A	30	X	5	130	270.00	D			100				1								1				5	84					9			Nannofossil ooze
A	31	X	1	80	273.10	D			100												2				2	90	1				5			Nannofossil ooze
A	31	X	3	70	276.00	D			100												2				2	93					3			Nannofossil ooze
A	31	X	6	70	280.50	D			100				5								1				2	89					3			Nannofossil ooze
A	32	X	1	50	282.40	D			100				10								1				2	82					5			Clay-bearing nannofossil ooze
A	32	X	3	50	285.40	D			100				10												2	85					3			Clay-bearing nannofossil ooze
A	32	X	5	50	288.40	D			100				10								2				5	78					5			Clay-bearing nannofossil ooze
A	33	X	1	60	292.10	D			100			2	5										1		3	81	1		*		7			Nannofossil ooze
A	33	X	5	120	298.70	D			100			5	8								4		2		5	66	2				8			Nannofossil ooze
A	34	X	2	34	302.64	D			100				10										1		4	77	1				7			Clay-bearing nannofossil chalk
A	34	X	5	111	307.91	D			100				15										1		5	74	2				3			Clay-bearing nannofossil chalk
A	35	X	1	60	310.70	D			100			2									1				20	73			1		3			Foraminifer-bearing nannofossil chalk
A	35	X	3	58	313.68	D			100			2	2								2				15	78			1					Foraminifer-bearing nannofossil chalk
A	35	X	5	45	316.55	D			100	1		2	1								1	1			15	79								Foraminifer-bearing nannofossil chalk
A	36	X	1	40	320.10	D			100				2								1				10	85					2			Foraminifer-bearing nannofossil chalk
A	36	X	3	45	323.15	M			100	2			10								1				15	67					5			Clay-and foraminifer-bearing nannofossil chalk
A	36	X	5	56	326.26	D			100	1		2	2												20	74	1							Foraminifer-bearing nannofossil chalk
A	37	X	1	77	330.07	D			100														1		60	30	1		3		5			Nannofossil foraminifer chalk
A	37	X	4	118	334.98	M			100																25	65			3		7			Foraminifer-bearing nannofossil chalk
A	37	X	5	100	336.30	D			100															3	35	58	1				3			Foraminifer nannofossil chalk
A	38	X	1	70	339.60	D			100	1															2	94			1		2			Nannofossil chalk
A	38	X	5	60	345.50	D			100				2												4	89			2		3			Nannofossil chalk
A	39	X	1	135	349.95	D			100														1		7	90			2					Nannofossil chalk
A	39	X	5	57	355.17	D			100				4												5	91								Nannofossil chalk
A	40	X	2	74	360.44	D			100				1										3		9	81		1	3		2			Nannofossil chalk
A	40	X	4	53	363.23	D			100	1			1										1		11	84			1		1			Foraminifer-bearing nannofossil chalk
A	41	X	1	76	368.56	D			100			2						3							5	84		1	2		3			Nannofossil chalk
A	41	X	4	80	373.10	D			100			8	2												6	80		1	2		1			Nannofossil chalk
A	41	X	6	55	375.85	D			100			8	3												7	76	1		2		3			Nannofossil chalk
A	42	X	1	80	378.20	D			100	2		7	1					1					4		10	66	2		3		4			Foraminifer-bearing nannofossil chalk
A	42	X	5	80	384.20	D			100	1		5	2										5		11	64	2	2	3		5			Foraminifer-bearing nannofossil chalk
A	42	X	6	70	385.60	D			100	1		7	1										4		7	73	2		3		2			Nannofossil chalk
A	43	X	1	76	387.76	D			100			5	4									2	7		3	68	2	3	6					Nannofossil chalk
A	43	X	2	33	388.83	D			100			4	2										4		5	74	3	2	4		2			Nannofossil chalk
A	43	X	6	81	395.31	D			100			5	2										5		6	72	3		7					Nannofossil chalk
A	44	X	1	31	396.91	D			100			5	1										11		5	69	2	2	4		1			Diatom-bearing nannofossil chalk
A	44	X	3	88	400.48	D			100			4											12		6	71	2		4		1			Diatom-bearing nannofossil chalk
A	44	X	4	137	402.47	D			100			4											8		4	77	1	1	4		1			Nannofossil chalk
A	45	X	2	20	407.90	D			100	1			5								1		2		1	72	15		3					Radiolarian-bearing nannofossil chalk
A	46	X	1	65	416.45	D			100	5			5								1				10	76	1		2					Foraminifer-bearing nannofossil chalk
A	46	X	3	102	419.82	D			100	1			5								1		5		7	70	3		5		3			Nannofossil chalk
A	46	X	4	122	421.52	M			100	3			5										5		10	72	2		3					Foraminifer-bearing nannofossil chalk

Sample							Texture			Mineral													Biogenic								Rock			
Hole	Core	CT	Section	Top	Depth (mbsf)	Lithology	Sand	Silt	Clay	Acces. Min. (1)	Calcite (30)	Carbonate (35)	Clay (47)	Dolomite (62)	Glauconite (82)	Mica (118)	Opal Or Opaline Frag$ (139)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Qtz (172)	Volc. Glass (81)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	organic debris (161)	Bioclasts (21)	Carb. Grains (32)	Lithic Fragments (106)	Comments
1170																																		
A	47	X	3	70	429.10	D			100				6								1					91	1				1			Nannofossil chalk
A	47	X	4	46	430.36	M			100	1			10					4			3				1	69	5		7					Clay-bearing nannofossil chalk
A	48	X	CC	14	435.14	D			100				15								1		3		2	56	7		15		1			Clay-, spicule-bearing nannofossil chalk
A	49	X	1	80	445.40	D			100				10								1		1		5	73	2		3		5			Clay-bearing nannofossil chalk
A	49	X	3	45	448.05	D			100				20										17		8	35	5		8		7			Diatom- and Clay-bearing nannofossil chalk
A	50	X	1	83	455.03	D			100	3			5										15		5	55	5		7		5			Diatom-bearing nannofossil chalk
A	50	X	2	52	456.22	D			100				7									1	10		15	55	7				5			Diatom-, foraminifer-bearing nannofossil chalk
A	51	X	CC	8	459.08	D			100				20												15	56			5		3		1	Foraminifer-, clay-bearing nannofossil chalk
A	52	X	CC	25	464.05	D			100				20					1			2				7	65					5			Clay-bearing nannofossil chalk
B	1	H	1	40	0.40	D			100				17										3		17	51	2		2		8			Foraminifer-, clay-bearing nannofossil ooze
B	1	H	2	74	2.24	D			100	1			20					1					3		10	57	2		1		5			Foraminifer-, clay-bearing nannofossil ooze
B	1	H	3	40	3.40	D			100	1			20					1							10	62	2				4			Foraminifer-, clay-bearing nannofossil ooze
B	2	H	2	20	6.50	D			100	1			2					1			1		1		7	82	2				3			Nannofossil ooze
B	2	H	3	60	8.40	D			100	5		5	5					1			3		1		30	39	2		2		7			Foraminifer nannofossil ooze
B	2	H	5	90	11.70	M			100	5			3								1		1		47	20	2		1		20			Nannofossil-, bioclast-bearing foraminifer ooze
B	2	H	6	50	12.80	D			100			2	30								1				20	30	2				15			Foraminifer-, bioclast-bearing clayey nannofossil ooze
B	3	H	1	84	15.14	D			100	3			31								7		2		20	25	5				7			Foraminifer-bearing nannofossil clay
B	3	H	2	40	16.20	D			100	1		3	29								1		7		20	20	5		7		7			Foraminifer-and nannofossil-bearing clay
B	4	H	2	60	25.90	D			100				10										5		10	70	2		1		2			Clay- and foraminifer-bearing nannofossil ooze
B	4	H	4	70	29.00	M			100				20				1				5		8		15	40	3		5		3			Foraminifer- and clay-bearing nannofossil ooze
B	4	H	4	96	29.26	M		10	90				25								3		5		10	52	2		2		1			Foraminifer- and clay-bearing nannofossil ooze
B	4	H	6	90	32.20	D			100				15								1		3		10	68	1		2					Foraminifer- and clay-bearing nannofossil ooze
B	5	H	2	87	35.67	M		11	89				10								1		8		5	74			2					
B	5	H	3	106	37.36	D			100				15								1		3		25	50			2		4			Clay- and foraminifer-bearing nannofossil ooze
B	5	H	4	98	38.78	M			100				10							1	2		5		2	75			2		3			Clay-bearing nannofossil ooze
B	5	H	5	66	39.96	D			100				8							1			2		3	83			3					Nannofossil ooze
B	6	H	1	80	43.60	D			100				8								2		8		5	40	2		35					Spicule nannofossil ooze
B	6	H	3	100	46.80	D			100				3								2		3		15	72	2		3					Foraminifer-bearing nannofossil ooze
B	6	H	6	70	51.00	D			100				5			1				2	2		2		5	75	3				5			Nannofossil ooze
B	7	H	3	80	56.10	D			100				6					1			1		10		25	44	4		5		4			Diatom- and Foraminifer-bearing nannofossil ooze
B	7	H	4	50	57.30	D			100				5								3		15		4	64	3		3		3			Diatom-bearing nannofossil ooze
B	7	H	6	80	60.60	M			100				6								2		15		3	66	2		3		3			Diatom-bearing nannofossil ooze
B	8	H	2	100	64.30	D			100				3			1					4		20		5	57	2		2		6			Diatom-bearing nannofossil ooze
B	8	H	3	80	65.60	M			100												5		50		1	24	5		5		10			Bioclasts- and nannofossil-bearing diatom ooze
B	8	H	3	100	65.80	M		14	86				10			2				2	2		12		6	54	4				8			Clay- and diatom-bearing nannofossil ooze
B	8	H	5	20	68.00	D		25	75				3							1			10		3	68	3		3		9			Diatom-bearing nannofossil ooze
B	8	H	6	100	70.30	D		14	86				6								1		10		3	64	4		5		7			Diatom-bearing nannofossil ooze
B	9	H	1	80	72.10	D		67	33				7								2		10		5	69	3		2		2			Diatom-bearing nannofossil ooze
B	9	H	2	90	73.70	M	25	25	50				2							1	1		12		5	65	4		6		4			Diatom-bearing nannofossil ooze
B	9	H	5	60	77.90	D		50	50				3					2			2		12		13	54			6		8			Diatom- and Foraminifer-bearing nannofossil ooze
B	10	H	1	50	81.30	D			100				7								1		10		5	70	1		2		4			Diatom-bearing nannofossil ooze
B	10	H	5	50	87.30	D			100				2										8		7	75	3		2		3			Nannofossil ooze
B	11	H	1	60	90.90	M			100			3	5								2		10		5	70	1		1		3			Diatom-bearing nannofossil ooze
B	11	H	5	20	96.50	D			100			3	2					2			1		7		5	71	3		1		5			Nannofossil ooze
B	11	H	7	35	99.65	D			100			2	3								2		5		5	78	3				2			Nannofossil ooze
B	12	H	4	76	105.06	D			100				20								5				15	55					5			Clay- and foraminifer-bearing nannofossil ooze

Sample							Texture			Mineral													Biogenic								Rock			
Hole	Core	CT	Section	Top	Depth (mbsf)	Lithology	Sand	Silt	Clay	Acces. Min. (1)	Calcite (30)	Carbonate (35)	Clay (47)	Dolomite (62)	Glauconite (82)	Mica (118)	Opal Or Opaline Frag$ (139)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Qtz (172)	Volc. Glass (81)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	organic debris (161)	Bioclasts (21)	Carb. Grains (32)	Lithic Fragments (106)	Comments
1170																																		
B	12	H	6	90	108.20	D			100		5		25								8				10	50	1		1					Clay- and foraminifer-bearing nannofossil ooze
B	12	H	7	26	109.06	D			100			5	7								7				5	73			1		2			Nannofossil ooze
B	13	H	4	60	114.40	M		25	75	1	10		30								3				10	36					10			bioclast-, foraminifer-, and calcite-bearing nannofossil ooze
B	13	H	4	106	114.86	M		2	98			10	20					2			8				20	35					5			carbonate-, clay, and Foraminifer-bearing nannofossil ooze
B	13	H	5	80	116.10	D			100			5	20					1			3				5	60			1		5			Clay-bearing nannofossil ooze
B	14	H	2	24	120.54	D			100		2		9								1		1		5	70	1		1		10			Bioclast-bearing nannofossil ooze
B	14	H	3	80	122.60	M			100				25								1		7		12	34	4	1	1		15			foraminifer-,bioclast-, clay-bearing nannofossil ooze
B	14	H	6	55	126.85	D			100		1		9					1			1		2		9	61	5		1		10			Bioclast-bearing nannofossil ooze
B	15	H	1	50	128.80	D			100			3	2								2		3		15	66	2				7			Foraminifer-bearing nannofossil ooze
B	15	H	3	50	131.80	D			100			2	2					1			1				7	83	2				2			Nannofossil ooze
B	15	H	5	60	134.90	D			100	1		3	2								2		1		7	80	1				3			Nannofossil ooze
B	16	H	1	50	138.30	D			100	1		3	3								2		3		7	75	3				3			Nannofossil ooze
B	16	H	3	60	141.40	D			100			2	5								1		1		5	80	1				5			Nannofossil ooze
B	16	H	5	50	144.30	D			100	1		1	3								1				7	79	1				7			Nannofossil ooze
B	17	H	2	80	149.60	D			100				9					2			1		2		3	78					5			Nannofossil ooze
B	17	H	4	80	152.60	D			100				7								1		4		3	75			1		9			Nannofossil ooze
B	17	H	6	80	155.60	D			100				3					1			1		3		2	82			1		7			Nannofossil ooze
B	18	H	2	42	158.72	D			100		3		3								1		2		2	79	1		2		7			Nannofossil ooze
B	18	H	6	105	165.32	D			100		2		2								1		6		2	82	3		1		1			Nannofossil ooze
B	19	H	2	60	168.40	D			100				5								1		15		5	65	3	1	2		3			Diatom-bearing nannofossil ooze
B	19	H	4	100	171.80	D			100				7					1			1		17		4	65	2				3			Diatom-bearing nannofossil ooze
B	19	H	5	75	173.05	D			100		1		2										17		4	67	2		1		6			Diatom-bearing nannofossil ooze
C	1	H	1	20	0.20	D			100				10												45	39	2		1		3			clay-bearing nannofossil foraminifer ooze
C	1	H	1	80	0.80	D			100				12								1		3		45	23	1		1		14			clay-, bioclast- and nannofossil bearing foraminifer ooze
C	1	H	4	70	5.20	D			100				1												17	73	1				8			Foraminifer-bearing nannofossil ooze
C	1	H	5	20	6.20	D			100				1										1		10	80					8			Foraminifer-bearing nannofossil ooze
C	1	H	6	60	8.10	D			100				2												20	75					3			Foraminifer-bearing nannofossil ooze
C	2	H	2	57	10.57	M			100												1				70	24			1		4			nannofossil-bearing foraminifer ooze
C	2	H	2	86	10.86	D			100				8										1		28	49	1				13			bioclast-bearing foraminifer nannofossil ooze
C	2	H	3	90	12.40	D		5	95				2										2		18	69	1				8			Foraminifer-bearing nannofossil ooze
C	2	H	7	29	17.79	D			100																12	78			5		5			Foraminifer-bearing nannofossil ooze
C	3	H	1	100	19.60	D			100				2												24	68					6			Foraminifer-bearing nannofossil ooze
C	3	H	2	70	20.80	D			100																12	82					6			Foraminifer-bearing nannofossil ooze
C	3	H	7	20	27.80	M			100																10	80	1		2		7			Foraminifer-bearing nannofossil ooze
C	3	H	7	40	28.00	M			100				8			1		1					2		45	37			1		5			Nannofossil foraminifer ooze
C	4	H	3	30	31.40	D			100				2										2		5	80	3		3		5			Nannofossil ooze
C	4	H	4	30	32.90	M			100				2										3		3	88	1				3			Nannofossil ooze
C	4	H	5	30	34.40	D			100														3		8	78			4		7			Nannofossil ooze
C	5	H	4	50	42.60	M			100				5												10	78			2		5			Foraminifer-bearing nannofossil ooze
C	5	H	4	56	42.66	M			100				2												10	76	1		2		9			Foraminifer-bearing nannofossil ooze
C	5	H	5	70	44.30	D			100				5										5		8	67	7		2		6			Nannofossil ooze
C	5	H	5	142	45.02	M			100				8										6		7	68	3		2		6			Nannofossil ooze
C	6	H	3	80	50.90	D			100														4		2	81	2		2		9			Nannofossil ooze
C	6	H	5	100	54.10	D			100				2					1		1			3		30	46	4		6		7			foraminifer nannofossil ooze
C	6	H	6	120	55.80	D			100														10		22	53	3		8		4			Diatom- and Foraminifer-bearing nannofossil ooze
C	7	H	3	78	60.38	M			100	7		10	40					1			3		2		3	25	5		1		3			nannofossil-bearing clay

Sample							Texture			Mineral													Biogenic								Rock			
Hole	Core	CT	Section	Top	Depth (mbsf)	Lithology	Sand	Silt	Clay	Acces. Min. (1)	Calcite (30)	Carbonate (35)	Clay (47)	Dolomite (62)	Glauconite (82)	Mica (118)	Opal Or Opaline Frag$ (139)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Qtz (172)	Volc. Glass (81)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	organic debris (161)	Bioclasts (21)	Carb. Grains (32)	Lithic Fragments (106)	Comments
1170																																		
C	7	H	4	120	62.30	M			100	5		10	29								3		20		1	20	10				2			radiolarian-, diatom-and nannofossil bearing clay
C	7	H	5	78	63.38	D			100			5	20								5		7		5	41	10		2		5			radiolarian-and clay bearing nannofossil ooze
C	7	H	6	120	65.30	D			100			7	5								7		15		10	43	5	1			7			foraminifer-and diatom-bearing nannofossil ooze
C	8	H	2	60	68.20	D			100			3	7								7		10		20	43	3	1	1		5			diatom-and Foraminifer-bearing nannofossil ooze
C	8	H	4	60	71.20	D			100			3	5								5		10		10	58	5	1			3			foraminifer-and diatom-bearing nannofossil ooze
C	8	H	6	60	74.20	D			100			3	5								5	1	7		7	64	5				3			Nannofossil ooze
C	9	H	5	140	83.00	D			100	1			3										5		6	78	1		1		5			Nannofossil ooze
C	9	H	6	90	84.00	D			100	1		1	7										2		17	60	2				10			bioclast-, Foraminifer-bearing nannofossil ooze
C	10	H	2	90	87.50	D			100			5	7								3		5		7	66	3		1		3			Nannofossil ooze
C	10	H	7	20	94.30	D			100			5	10								3		7		5	62	5	1			2			Clay-bearing nannofossil ooze
C	11	H	2	50	96.60	D			100	1			5										20		2	60	5	1	2		4			Diatom-bearing nannofossil ooze
C	11	H	4	50	99.60	M			100		1							1					17		6	59	3		1		12			bioclast-, diatom-bearing nannofossil ooze
C	11	H	6	88	102.98	D			100		3							1					25			61	4		1		5			Diatom-bearing nannofossil ooze
C	12	H	4	140	110.00	D			100				6								3		2		8	68	3				10			Bioclast-bearing nannofossil ooze
C	12	H	5	19	110.29	D			100				3								1		3		7	67	2		1		16			Bioclast-bearing nannofossil ooze
C	12	H	6	119	112.79	D			100				5										2		9	70	1		1		12			Bioclast-bearing nannofossil ooze
C	13	H	3	40	116.53	D			100	1	1		2								2		6		5	72	1		1		9			Nannofossil ooze
C	13	H	6	40	120.74	D			100				6										2		8	73	1		1		9			Nannofossil ooze
C	14	H	2	80	125.40	D			100			1	3										2		10	71	3				10			Foraminifer-, bioclast-bearing nannofossil Ooze
C	14	H	4	80	128.40	D			100			1	3										2		3	80	1				10			Bioclast-bearing nannofossil ooze
C	15	H	1	83	133.43	D			100																	94			3		3			Nannofossil ooze
C	15	H	3	36	135.96	M			100				3										7		10	76					4			Foraminifer-bearing nannofossil ooze
C	15	H	4	120	138.30	D			100																5	93					2			Nannofossil ooze
C	15	H	6	34	140.44	M			100				2										1		3	90			2		2			Nannofossil ooze
C	16	H	2	100	144.60	D			100				5										1		10	81					3			Foraminifer-bearing nannofossil ooze
C	16	H	3	25	145.35	D			100				2												6	92								Nannofossil ooze
C	16	H	4	128	147.88	M			100				2												10	85					3			Foraminifer-bearing nannofossil ooze
C	16	H	5	105	149.15	M			100				8												10	79					3			Foraminifer-bearing nannofossil ooze
C	17	H	2	60	153.57	D			100				9												3	87					1			Nannofossil ooze
C	17	H	5	60	158.07	D			100						2											94					4			Nannofossil ooze
C	18	H	1	70	161.80	D			100				9												1	88					2			Nannofossil ooze
C	18	H	3	110	165.20	D			100				6												1	93								Nannofossil ooze
C	18	H	5	50	167.60	D			100				6										2		1	90					1			Nannofossil ooze
C	19	H	1	106	171.66	D			100				2												2	94					2			Nannofossil ooze
C	19	H	5	92	177.52	D			100				2										1		2	93			1		1			Nannofossil ooze
D	1	R	1	58	425.58	D			100	1			10								1		2		1	78	1		6					Clay-bearing nannofossil chalk
D	1	R	1	89	425.89	D			100				12										3			81	1		1		2			Clay-bearing nannofossil chalk
D	2	R	1	35	433.85	D			100				10										3		3	77	5		2					Clay-bearing nannofossil chalk
D	2	R	2	140	436.40	D			100				10										2		2	82	3		1					Clay-bearing nannofossil chalk
D	3	R	1	47	443.57	D			100	2	1		10								1		2		1	73	2		6		2			Clay-bearing nannofossil chalk
D	3	R	2	20	444.50	D			100		1		20								2		2		1	64	2		4		4			Clay-bearing nannofossil chalk
D	4	R	1	39	453.09	D			100	1			15								3		10		1	63	4		2		1			Diatom-, clay-bearing nannofossil chalk
D	4	R	1	120	453.90	D			100		1		20										10		1	63	2		3					Diatom-, clay-bearing nannofossil chalk
D	5	R	1	34	462.64	M			100				30					2			1		1		1	59	1				5			Clayey nannofossil limestone
D	5	R	1	50	462.80	D			100	1			20								1				1	64					4	9		Clayey nannofossil limestone
D	6	R	1	24	472.14	D	40	10	50				20		2	3					20					55								Quartz- and clay-bearing nannofossil limestone

Sample							Texture			Mineral													Biogenic								Rock			
Hole	Core	CT	Section	Top	Depth (mbsf)	Lithology	Sand	Silt	Clay	Acces. Min. (1)	Calcite (30)	Carbonate (35)	Clay (47)	Dolomite (62)	Glauconite (82)	Mica (118)	Opal Or Opaline Frag$ (139)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Qtz (172)	Volc. Glass (81)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	organic debris (161)	Bioclasts (21)	Carb. Grains (32)	Lithic Fragments (106)	Comments
1170																																		
D	6	R	1	24	472.14	D	40	10	50				29		2	3					20					46								Quartz-bearing clayey nannofossil limestone
D	6	R	1	33	472.23	D		20	80	2			43		3			1			5		1			24			1			20		Carbonate-, nannofossil bearing claystone
D	6	R	1	50	472.40	M	31	40	29				25		60			4		1	5					5								Glauconitic clayey siltstone
D	6	R	1	50	472.40	M	31	40	29				25		60			4		1	5					5								Glauconitic clayey siltstone
D	6	R	CC	14	472.65	D	40	30	30				25		35	5		2			30					3								Glauconitic silty sandstone
D	6	R	CC	14	472.65	D	40	30	30				25		35	5		2			30					3								Glauconitic sandy siltstone
D	6	R	CC	15	472.66	D	40	50	10	1			44		32			1			7		1			9						5		Glauconite sandy siltstone
D	7	R	2	60	478.70	D	30	40	30	12			12		21			8			7		30					2	5	3				Diatomaceous glauconitic sandy siltstone
D	7	R	3	30	479.40	D	30	30	40	8			16		22						8		35				5		3	3				Diatomaceous glauconitic sandy siltstone
D	8	R	1	45	481.95	D	30	40	30	8			16		17			8			9		20				5		5	12				Diatom-, glauconitic-, and organic-bearing clayey siltstone
D	8	R	3	130	485.80	M	10	70	20	10			8		55			5			5		9		4				1	3				Glauconitic siltstone
D	8	R	4	42	486.42	M	20	30	50	7			31		8			6			9		27				5		7					Diatomaceous claystone
D	8	R	5	50	488.00	D	30	40	30	5			17		5			13			9		20				8	2	6	15				Organic- and diatom-bearing clayey siltstone
D	9	R	1	60	491.70	D	10	60	30	9			12		8			9			9		36			3	3	2	6	3				Diatomaceous clayey siltstone
D	9	R	3	43	494.53	D	10	40	50	5			16		12			8			7		35			2	3	2	6	4				Diatomaceous clayey siltstone
D	10	R	2	30	502.50	D	10	20	70	3			61					6			7					23								Nannofossil-bearing claystone
D	10	R	4	40	505.60	D	10	20	70	5			62		8			7			10					8								Silty claystone
D	11	R	1	50	510.80	D	10	50	40	5			45		1			11			20					9				9				Clayey siltstone
D	11	R	5	82	517.12	D	20	40	40				25		10						60		5											Glauconite-bearing clayey siltstone
D	12	R	1	58	520.38	D	15	50	35				35		6						30					29								Nannofossil clayey siltstone
D	12	R	2	97	522.27	D	15	60	25				35		15	1					20					29								Nannofossil clayey siltstone
D	12	R	4	4	524.04	D	30	45	25				25		15						50					10								Nannofossil- bearing clayey siltstone
D	13	R	1	60	530.00	D	20	30	50	3			40		10	5		7			25						5			5				Silty claystone
D	13	R	3	40	532.80	D	15	38	47				47		10	2		10			30					1								Silty claystone
D	13	R	4	44	534.34	D	15	43	42				42		15	3		10			30													Clayey siltstone
D	14	R	1	50	539.60	D	5	20	75	1			71					5			15	5				3								Silty claystone
D	14	R	3	50	542.60	D	5	30	65	1			66		3			10			15	2			1	2								Silty claystone
D	14	R	5	50	545.60	D	5	20	75	2			74		3			5			10	1				4	1							Silty claystone
D	14	R	6	77	547.37	M			100	7			25					3				65												Clayey volcanic glass
D	15	R	1	40	549.10	M	10	40	50	2			49			2		7			20	20												Volcanic glass-bearing silty claystone
D	15	R	3	60	552.30	D	5	29	66				66			2		7			15	7				3								Silty claystone
D	15	R	5	130	556.00	D	10	32	58				58					10			20	2				3				7				Silty claystone
D	16	R	1	70	559.00	M	5	21	74				68		2	1		3			10	1				15	*							Nannofossil-bearing silty claystone
D	16	R	2	4	559.83	D	3	12	85	1			79		2	*		2			5	1				10								Nannofossil-bearing claystone
D	16	R	3	70	561.99	D	10	17	73	1			76		1			2	*		15					5								Silty claystone
D	16	R	5	70	564.99	D	6	20	74	4			76		1			2			15					2								Silty claystone
D	17	R	2	76	570.16	D	15	40	45				40		5						45					10								Nannofossil- bearing silty claystone
D	17	R	3	88	571.78	D	25	40	35				33		10	1				1	44					11								Nannofossil- and glauconite-bearing clayey siltstone
D	17	R	5	10	574.00	D	30	40	30				25		10			3			53					9								Glauconite-bearing clayey siltstone
D	17	R	7	41	577.31	M	5	15	80				70								5					25								Nannofossil silty claystone
D	18	R	1	111	578.61	D	10	43	47				45		3	1					49					2								Silty claystone
D	18	R	2	22	579.22	D	10	25	65				60		3			3			25					9								Silty claystone
D	18	R	6	44	584.94	D	8	42	50				40			5		5			30					20								Nannofossil-bearing silty claystone
D	19	R	1	14	587.24	M	10	37	53				40								25					35								Nannofossil silty claystone
D	19	R	5	50	592.52	D	30	30	40				37		5						50					8								Silty claystone
D	19	R	7	50	595.52	D	20	50	30				35								65													Clayey siltstone

Sample							Texture			Mineral												Biogenic								Rock			
Hole	Core	CT	Section	Top	Depth (mbsf)	Lithology	Sand	Silt	Clay	Acces. Min. (1)	Calcite (30)	Carbonate (35)	Clay (47)	Dolomite (62)	Glauconite (82)	Mica (118)	Opal Or Opaline Frag$ (139)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Qtz (172)	Volc. Glass (81)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	organic debris (161)	Bioclasts (21)	Carb. Grains (32)	Lithic Fragments (106)	Comments
1170																																	
D	20	R	5	60	603.33	D	20	43	37				38								62													Clayey siltstone
D	20	R	7	60	606.33	D	10	56	34				40		1						59													Clayey siltstone
D	21	R	3	80	610.10	D	10	50	40				40		7						53													Clayey siltstone
D	21	R	6	70	614.50	D	15	45	40				40		8						52													Clayey siltstone
D	21	R	6	70	614.50	D		30	70	6			61		2	1		4			8	13								5				Silty claystone
D	22	R	2	52	616.77	D	2	33	65	2			58		*			20			20	*												Silty claystone
D	22	R	6	60	622.85	D	10	29	61	1			59		5			15			20													Silty claystone
D	23	R	3	77	629.37	D	5	25	70	3			74					7			15	1												Silty claystone
D	23	R	5	75	632.35	D	3	20	77	2			51		1			20			25	1												Silty claystone
D	23	R	6	7	633.17	M			100	2		40	32					4			20	1				1								Calcareous claystone
D	24	R	2	100	637.80	D	6	26	68				68		1			15			15	1												Silty claystone
D	24	R	5	60	641.90	M		16	84	1			84			1		5			8	1												Claystone
D	25	R	1	85	645.75	D	5	27	68	1			68		1			5			25	*												Silty claystone
D	25	R	3	35	648.25	D		13	87				87		1			3			8	1												Claystone
D	25	R	5	80	651.70	D		22	78	*			77		1			2			18					2								Claystone
D	26	R	2	52	656.62	D	5	43	52	1			52					5			25	10								7				Volcanic glass-bearing silty claystone
D	26	R	4	65	659.75	D	3	40	57	2		1	63					5			15	10				2				2				Volcanic glass-bearing silty claystone
D	26	R	5	102	661.62	D	5	34	61	3			61					5			25	5				1								Silty claystone
D	27	R	1	50	664.70	D	3	20	77	1		1	73		*			5			15	1				4								Silty claystone
D	27	R	3	49	667.69	D	2	22	76	2			73					5			9	1				10								Nannofossil-bearing claystone
D	27	R	4	119	669.89	D	3	17	80	2			67	1				4			10	1				15								Nannofossil-bearing claystone
D	29	R	1	73	684.23	M	0	14	86	14			61					7								12				6				Nannofossil-bearing claystone
D	29	R	4	80	688.66	D	0	10	90	7			44		2	2		22			8	5				1				9				Silty claystone
D	29	R	7	80	693.10	D	0	4	96	7			59					9			7	3								15				Silty claystone
D	30	R	3	100	697.05	D	0	10	90	16			49		1	1		14			9					1				9				Silty claystone
D	30	R	4	100	698.55	D		15	85	12			50		2	4		10			13					2				7				Silty claystone
D	30	R	5	20	699.25	M		5	95				40			2		8			7	3			1	35				4				Nannofossil claystone
D	31	R	1	80	703.60	D	10	30	60				78					7			10									5				Claystone
D	31	R	5	10	708.90	M	3	7	90	3			72								5					15				5				Nannofossil-bearing claystone
D	32	R	4	74	717.64	M		10	90			70	14		3			7												6				Limestone
D	32	R	5	90	719.30	D		20	80	6			59		2			8			7	14				2				2				Silty claystone
D	32	R	5	90	719.30	D		10	90	5			67					7			6	12								3				Silty claystone
D	32	R	6	90	720.80	D		20	80	6			57		2			10			8	13								4				Silty claystone
D	33	R	2	65	724.15	D		20	80	3			73					6			6	2				2				8				Silty claystone
D	33	R	3	127	726.27	M		10	90	4		40	33			1		12			3					4				3				Silty claystone
D	33	R	5	80	728.80	D		10	90				76		1	2		9			6	3								3				Calcareous claystone
D	33	R	6	14	729.64	M		94	6		94		3					3																Limestone
D	34	R	1	40	732.00	D	5	31	64	2			63					7			20	7				1								Silty claystone
D	34	R	4	50	736.60	D	2	38	60	5		25	60					3			5					2								Carbonate-bearing silty claystone
D	34	R	7	60	741.20	M	2	23	75	5		10	70					3			5					7								Carbonate-bearing silty claystone
D	35	R	1	88	742.08	D	5	12	83	1			83					5			7				1	3								Claystone
D	35	R	3	70	744.90	M	5	38	57	1			57					5			15	20				2								Volcanic glass-bearing silty claystone
D	35	R	5	47	747.67	D	2	15	83	1			80					2			10	2				5								Claystone
D	36	R	1	44	751.24	D	5	16	79				77					1			15	2				5								Claystone
D	36	R	2	129	753.59	M	1	30	69	15			66								2	15				2								Volcanic-bearing silty claystone
D	36	R	5	86	757.66	D	2	23	75	1			75					1			20	2				1								Silty claystone

Sample							Texture			Mineral													Biogenic								Rock			
Hole	Core	CT	Section	Top	Depth (mbsf)	Lithology	Sand	Silt	Clay	Acces. Min. (1)	Calcite (30)	Carbonate (35)	Clay (47)	Dolomite (62)	Glauconite (82)	Mica (118)	Opal Or Opaline Frag$ (139)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Qtz (172)	Volc. Glass (81)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	organic debris (161)	Bioclasts (21)	Carb. Grains (32)	Lithic Fragments (106)	Comments
1170																																		
D	37	R	2	58	762.58	D	5	30	65	3			64					3			20	7				3								Silty claystone
D	37	R	4	40	765.40	D	2	28	70	3			71					1			15	7				3								Silty claystone
D	37	R	6	42	768.42	D	1	21	78	3			78					1			12	5				1								Claystone
D	38	R	1	50	770.60	D		17	83	3			83					2			10					2								Claystone
D	38	R	5	72	776.80	M		25	75			10	75					2			10					3								Carbonate- bearing claystone
D	38	R	6	50	778.08	D	1	22	77	3			77					2			15					3								Claystone