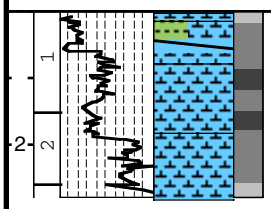
Core Photo

Site 1211 Hole A Core 1H Cored 0.0-2.8 mbsf

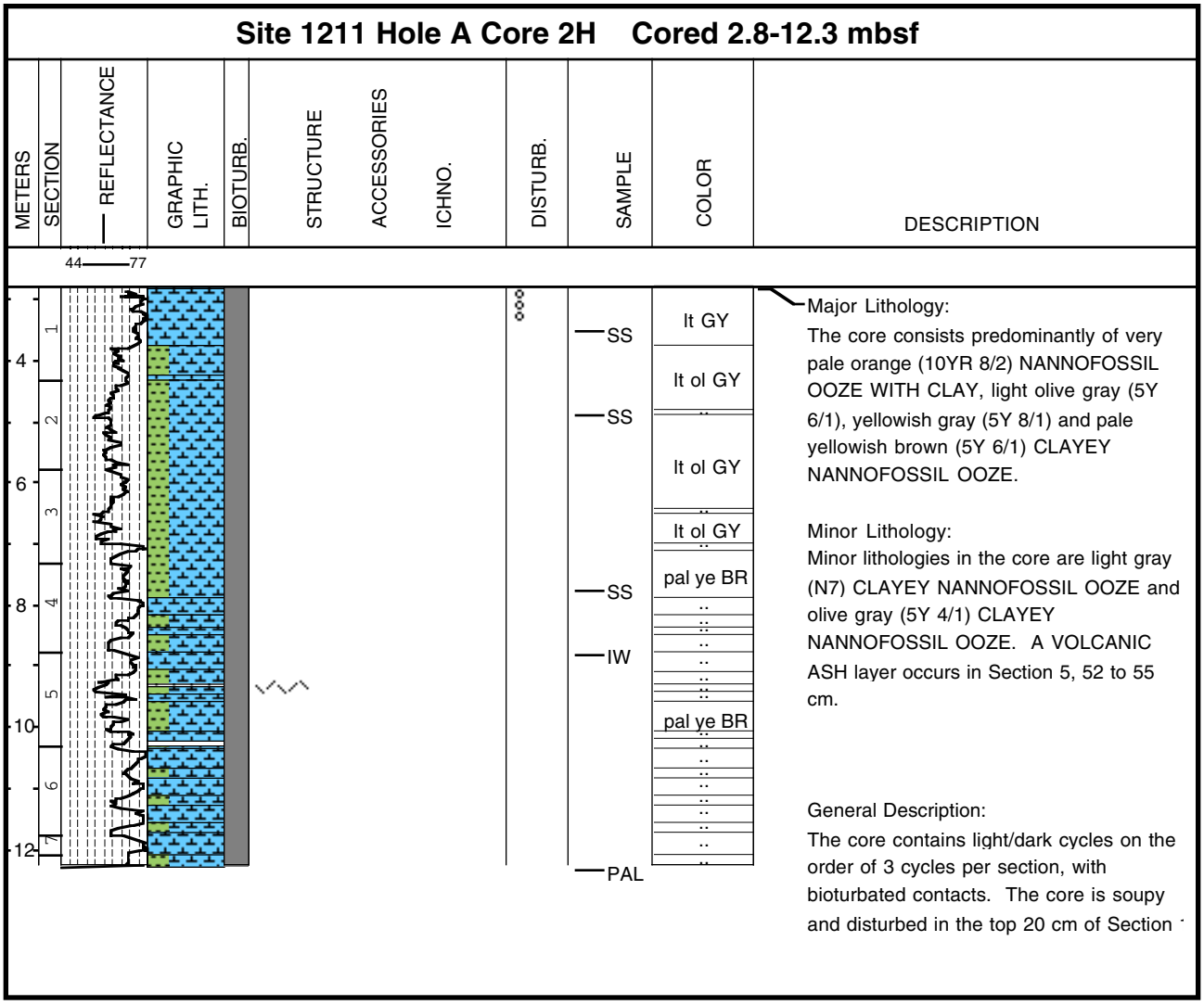


Major Lithology:
The core consists of pale to moderate yellowish brown (10YR 6/2, 5/2) NANNOFOSSIL OOZE WITH CLAY.

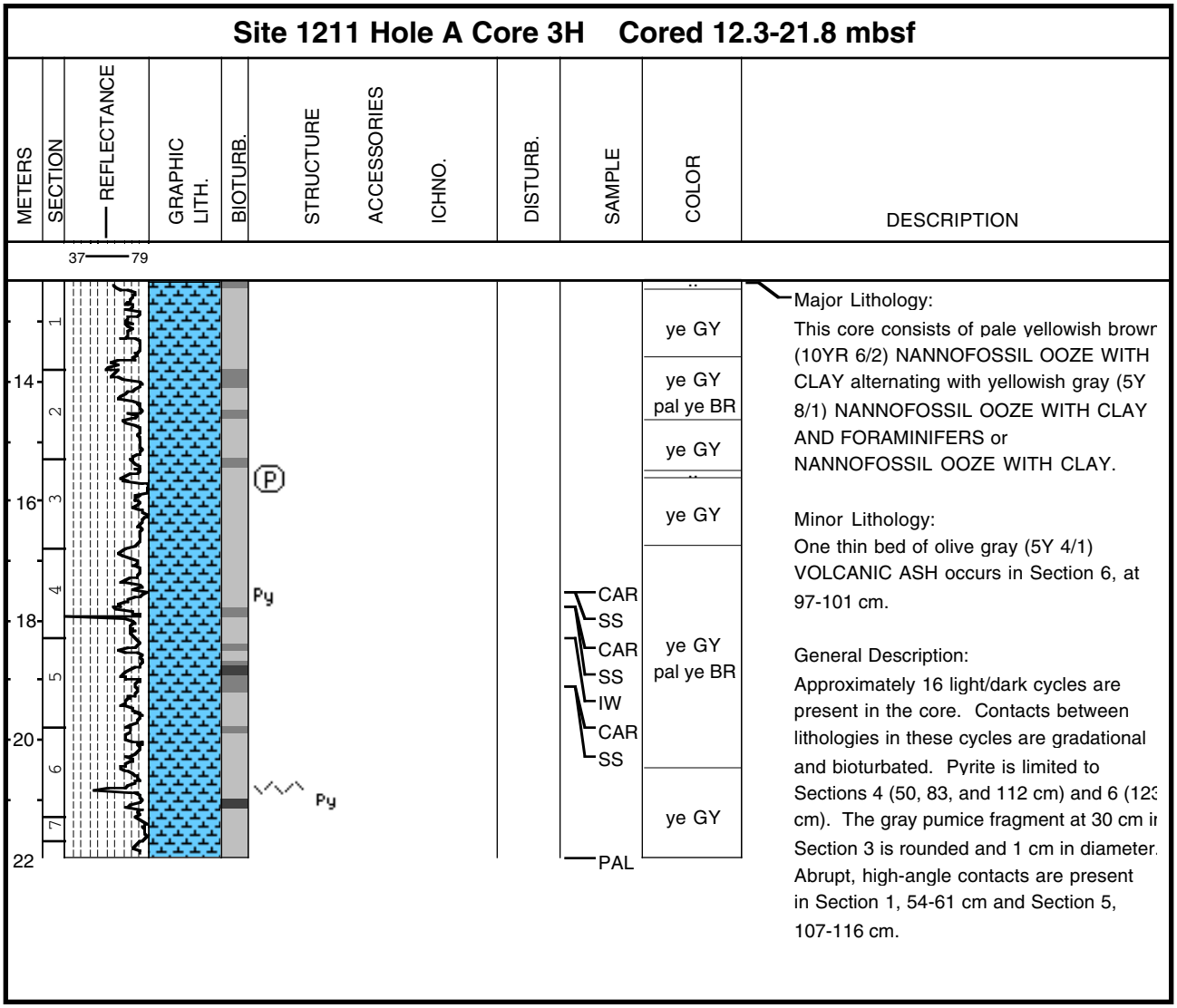
Minor Lithology:
Light olive gray (5Y 5/2) CLAYEY NANNOFOSSIL OOZE WITH DIATOMS is present in Section 1, 19-55 cm, and as mottles throughout the core.

General Description:
Bioturbation is rare to common with color mottling and discrete burrows. Two high angle contacts are present: a sharp one in Section 1, 55-60 cm, and one more faint in Section 2, 37-39 cm.

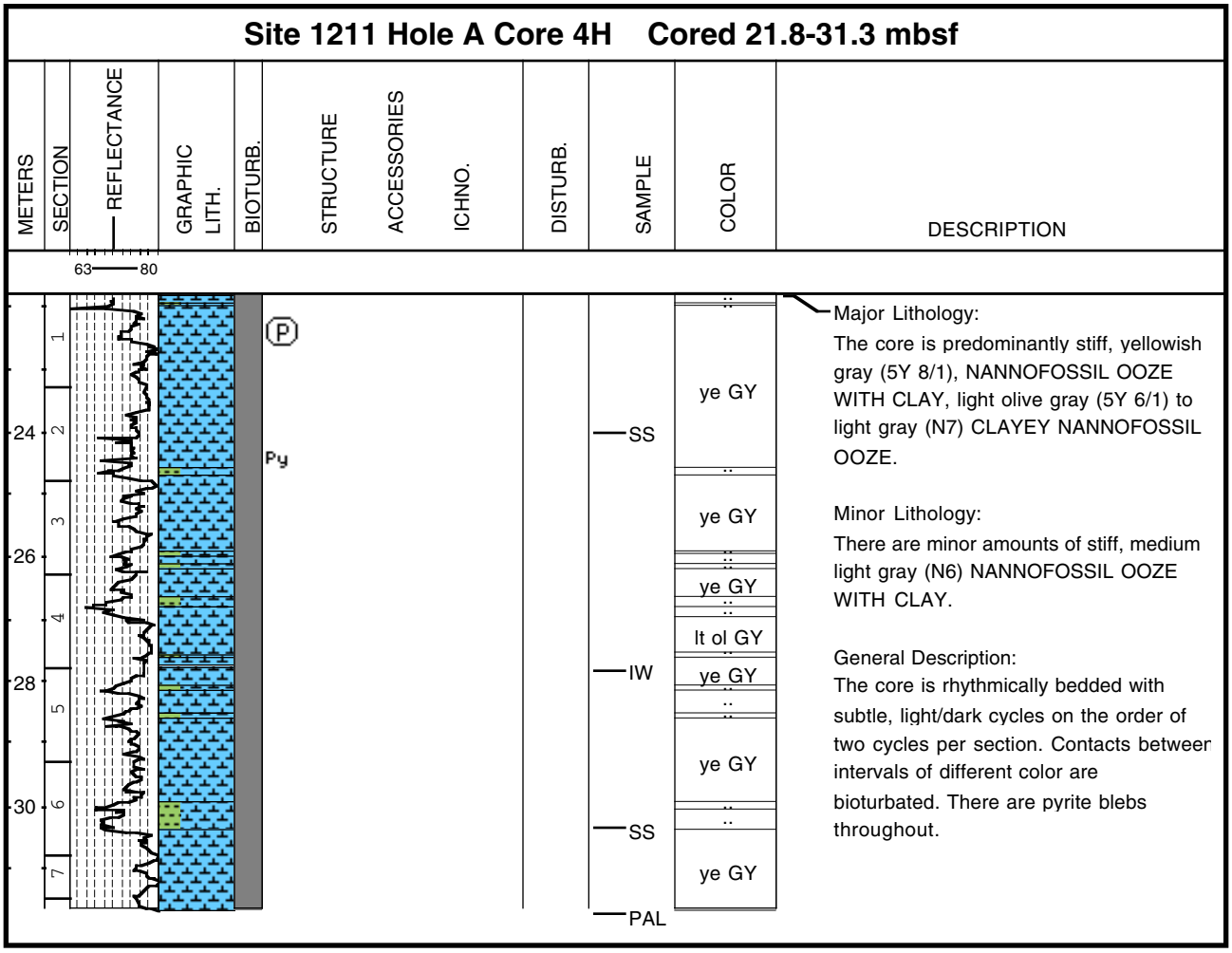
Core Photo


Site 1211 Hole A Core 2H Cored 2.8-12.3 mbsf
METERS
SECTION
REFLECTANCE
44
77
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
4
6
8
10
12
SS
SS
SS
IW
PAL
lt GY
lt ol GY
lt ol GY
lt ol GY
pal ye BR
pal ye BR
Major Lithology:
The core consists predominantly of very pale orange (10YR 8/2) NANNOFOSSIL OOZE WITH CLAY, light olive gray (5Y 6/1), yellowish gray (5Y 8/1) and pale yellowish brown (5Y 6/1) CLAYEY NANNOFOSSIL OOZE.
Minor Lithology:
Minor lithologies in the core are light gray (N7) CLAYEY NANNOFOSSIL OOZE and olive gray (5Y 4/1) CLAYEY NANNOFOSSIL OOZE. A VOLCANIC ASH layer occurs in Section 5, 52 to 55 cm.
General Description:
The core contains light/dark cycles on the order of 3 cycles per section, with bioturbated contacts. The core is soupy and disturbed in the top 20 cm of Section

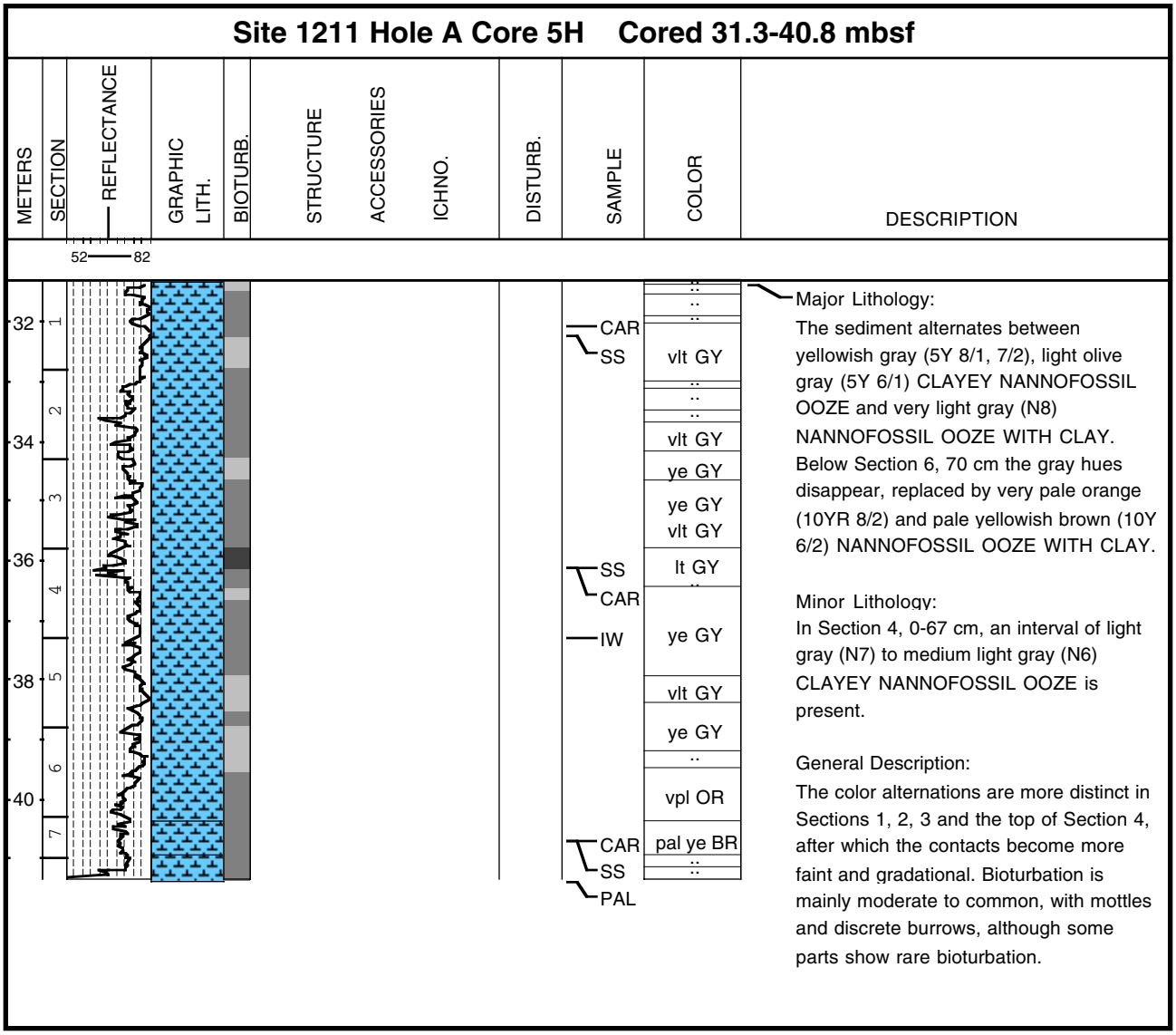
Core Photo


Site 1211 Hole A Core 3H Cored 12.3-21.8 mbsf
METERS
SECTION
REFLECTANCE
37
79
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
14
16
18
20
22
1
2
3
4
5
6
7
P
Py
Py
CAR
SS
CAR
SS
IW
CAR
SS
PAL
ye GY
ye GY
pal ye BR
ye GY
ye GY
ye GY
pal ye BR
ye GY
Major Lithology:
This core consists of pale yellowish brown (10YR 6/2) NANNOFOSSIL OOZE WITH CLAY alternating with yellowish gray (5Y 8/1) NANNOFOSSIL OOZE WITH CLAY AND FORAMINIFERS or NANNOFOSSIL OOZE WITH CLAY.
Minor Lithology:
One thin bed of olive gray (5Y 4/1) VOLCANIC ASH occurs in Section 6, at 97-101 cm.
General Description:
Approximately 16 light/dark cycles are present in the core. Contacts between lithologies in these cycles are gradational and bioturbated. Pyrite is limited to Sections 4 (50, 83, and 112 cm) and 6 (123 cm). The gray pumice fragment at 30 cm in Section 3 is rounded and 1 cm in diameter. Abrupt, high-angle contacts are present in Section 1, 54-61 cm and Section 5, 107-116 cm.

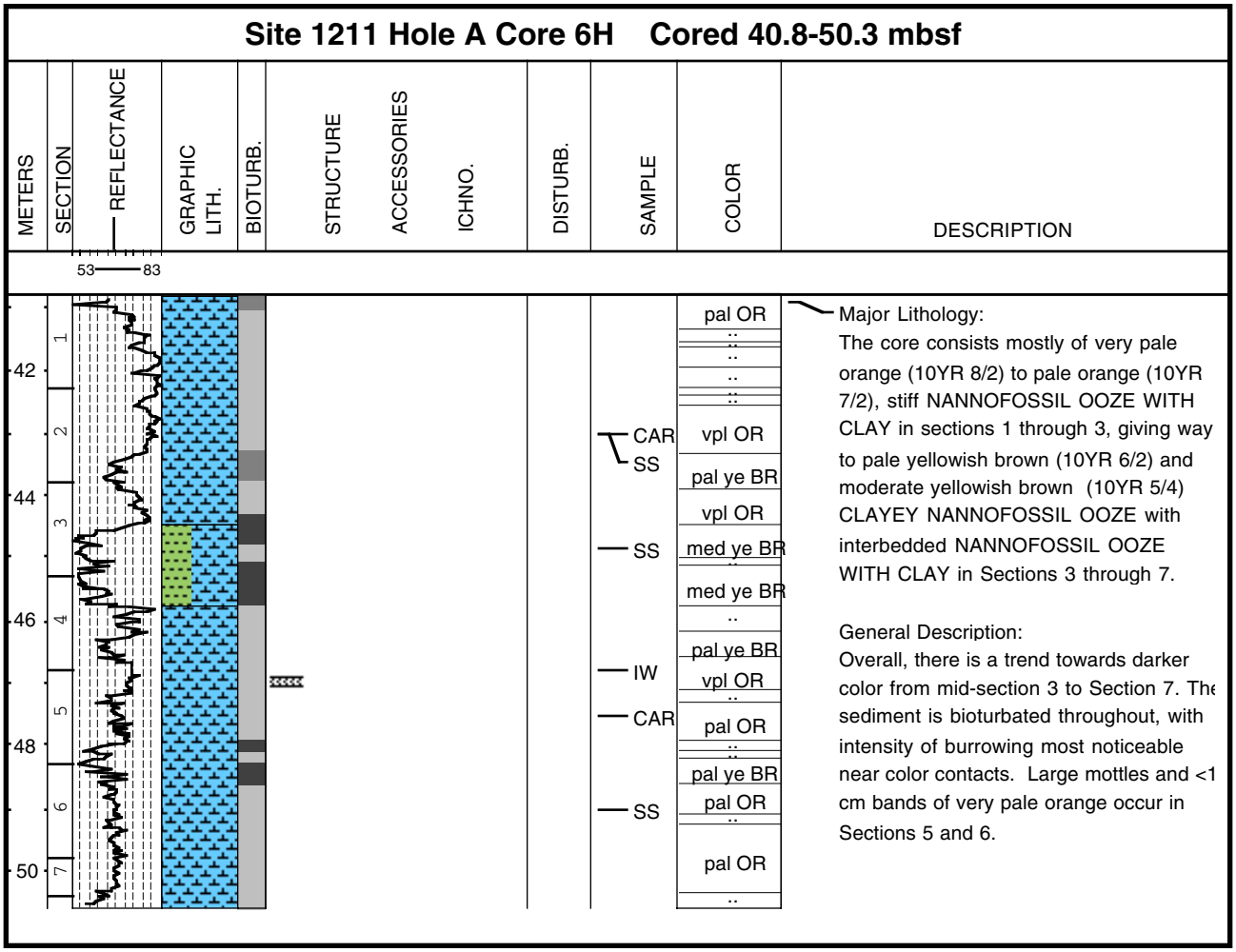
Core Photo


Site 1211 Hole A Core 4H Cored 21.8-31.3 mbsf
METERS
SECTION
REFLECTANCE
63
80
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
24
26
28
30
1
2
3
4
5
6
7
P
Py
SS
IW
SS
PAL
ye GY
ye GY
ye GY
lt ol GY
ye GY
ye GY
ye GY
Major Lithology:
The core is predominantly stiff, yellowish gray (5Y 8/1), NANNOFOSSIL OOZE WITH CLAY, light olive gray (5Y 6/1) to light gray (N7) CLAYEY NANNOFOSSIL OOZE.
Minor Lithology:
There are minor amounts of stiff, medium light gray (N6) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The core is rhythmically bedded with subtle, light/dark cycles on the order of two cycles per section. Contacts between intervals of different color are bioturbated. There are pyrite blebs throughout.

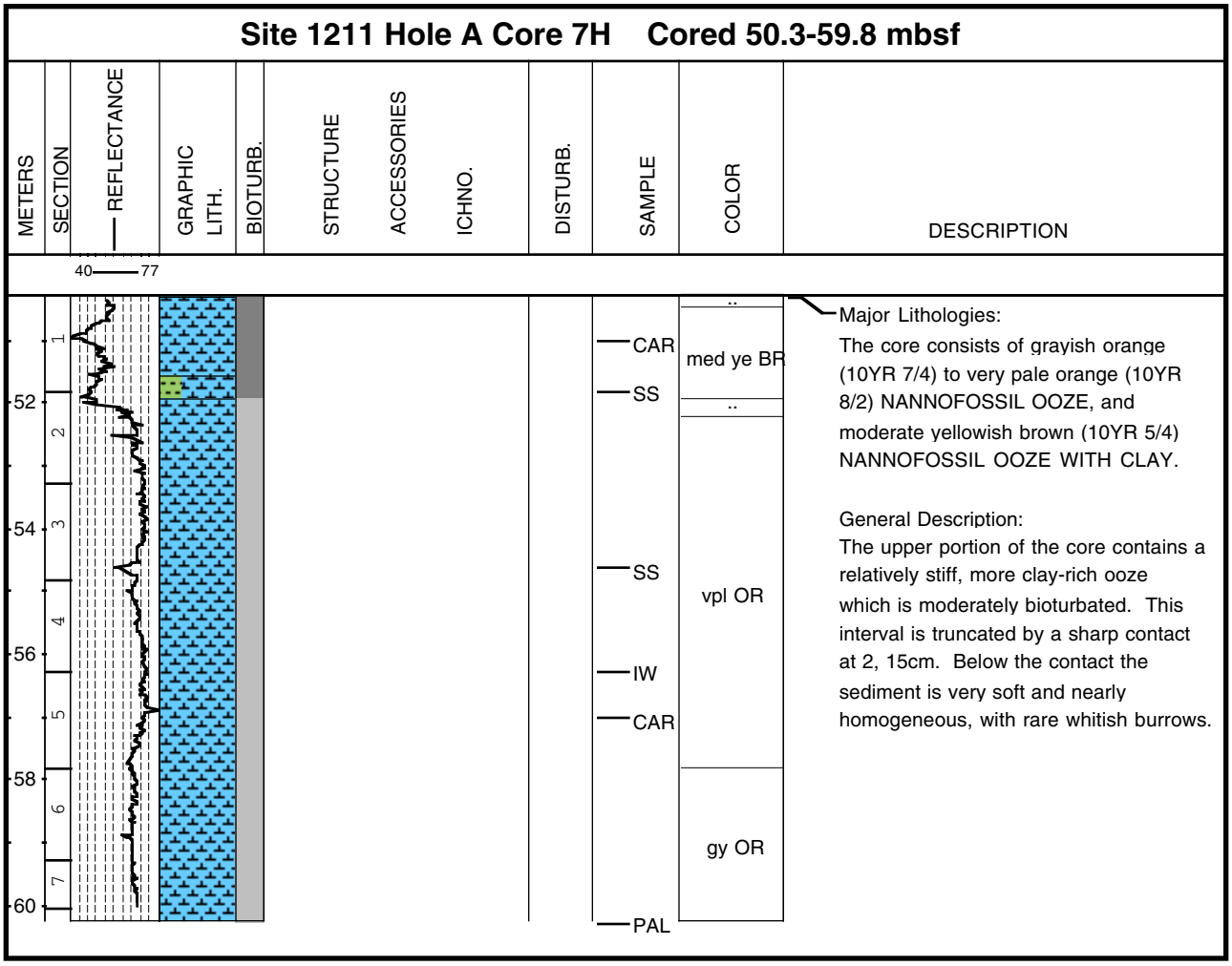
Core Photo


Site 1211 Hole A Core 5H Cored 31.3-40.8 mbsf
METERS
SECTION
REFLECTANCE
52
82
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
32
34
36
38
40
1
2
3
4
5
6
7
CAR
SS
SS
CAR
IW
CAR
SS
PAL
vlt GY
vlt GY
ye GY
ye GY
vlt GY
lt GY
ye GY
vlt GY
ye GY
vpl OR
pal ye BR
Major Lithology:
The sediment alternates between yellowish gray (5Y 8/1, 7/2), light olive gray (5Y 6/1) CLAYEY NANNOFOSSIL OOZE and very light gray (N8) NANNOFOSSIL OOZE WITH CLAY. Below Section 6, 70 cm the gray hues disappear, replaced by very pale orange (10YR 8/2) and pale yellowish brown (10Y 6/2) NANNOFOSSIL OOZE WITH CLAY.
Minor Lithology:
In Section 4, 0-67 cm, an interval of light gray (N7) to medium light gray (N6) CLAYEY NANNOFOSSIL OOZE is present.
General Description:
The color alternations are more distinct in Sections 1, 2, 3 and the top of Section 4, after which the contacts become more faint and gradational. Bioturbation is mainly moderate to common, with mottles and discrete burrows, although some parts show rare bioturbation.

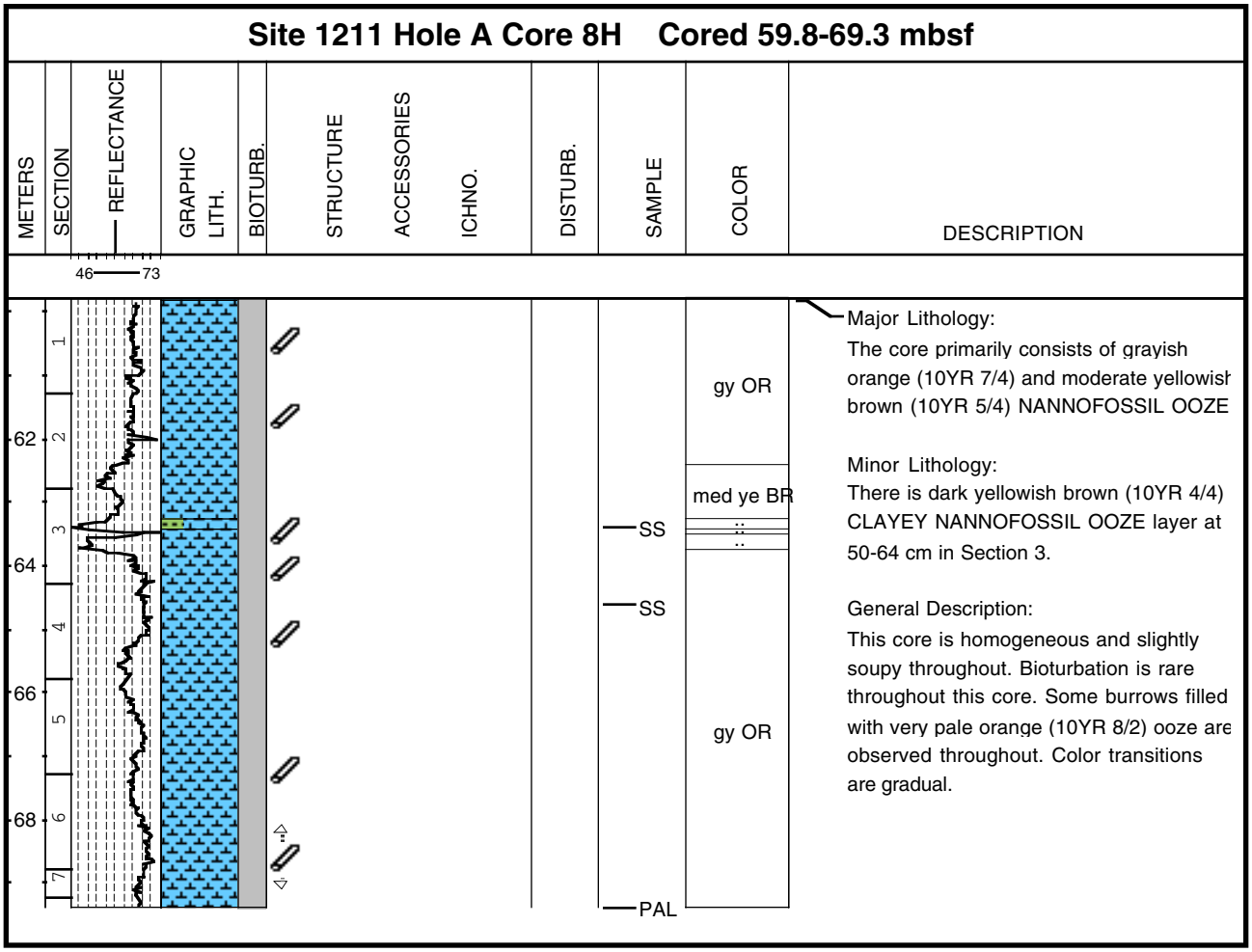
Core Photo


Site 1211 Hole A Core 6H Cored 40.8-50.3 mbsf
METERS
SECTION
REFLECTANCE
53
83
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
42
44
46
48
50
1
2
3
4
5
6
7
CAR
SS
SS
IW
CAR
SS
pal OR
vpl OR
pal ye BR
vpl OR
med ye BR
med ye BR
pal ye BR
vpl OR
pal OR
pal ye BR
pal OR
pal OR
Major Lithology:
The core consists mostly of very pale orange (10YR 8/2) to pale orange (10YR 7/2), stiff NANNOFOSSIL OOZE WITH CLAY in sections 1 through 3, giving way to pale yellowish brown (10YR 6/2) and moderate yellowish brown (10YR 5/4) CLAYEY NANNOFOSSIL OOZE with interbedded NANNOFOSSIL OOZE WITH CLAY in Sections 3 through 7.
General Description:
Overall, there is a trend towards darker color from mid-section 3 to Section 7. The sediment is bioturbated throughout, with intensity of burrowing most noticeable near color contacts. Large mottles and <1 cm bands of very pale orange occur in Sections 5 and 6.

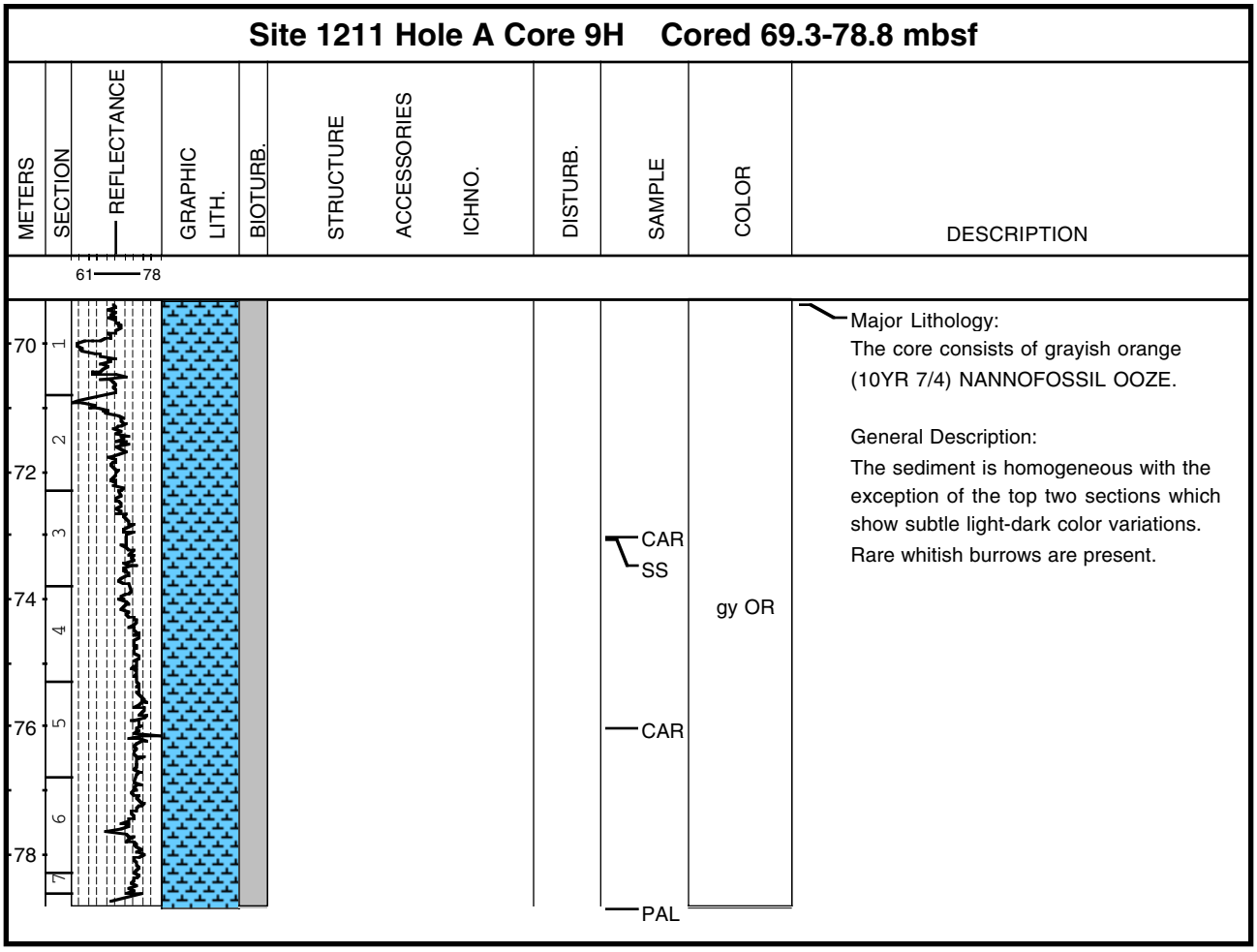
Core Photo


Site 1211 Hole A Core 7H Cored 50.3-59.8 mbsf
METERS
SECTION
REFLECTANCE
40
77
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
52
54
56
58
60
1
2
3
4
5
6
7
CAR
SS
SS
IW
CAR
PAL
med ye BR
vpl OR
gy OR
Major Lithologies:
The core consists of grayish orange (10YR 7/4) to very pale orange (10YR 8/2) NANNOFOSSIL OOZE, and moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The upper portion of the core contains a relatively stiff, more clay-rich ooze which is moderately bioturbated. This interval is truncated by a sharp contact at 2, 15cm. Below the contact the sediment is very soft and nearly homogeneous, with rare whitish burrows.

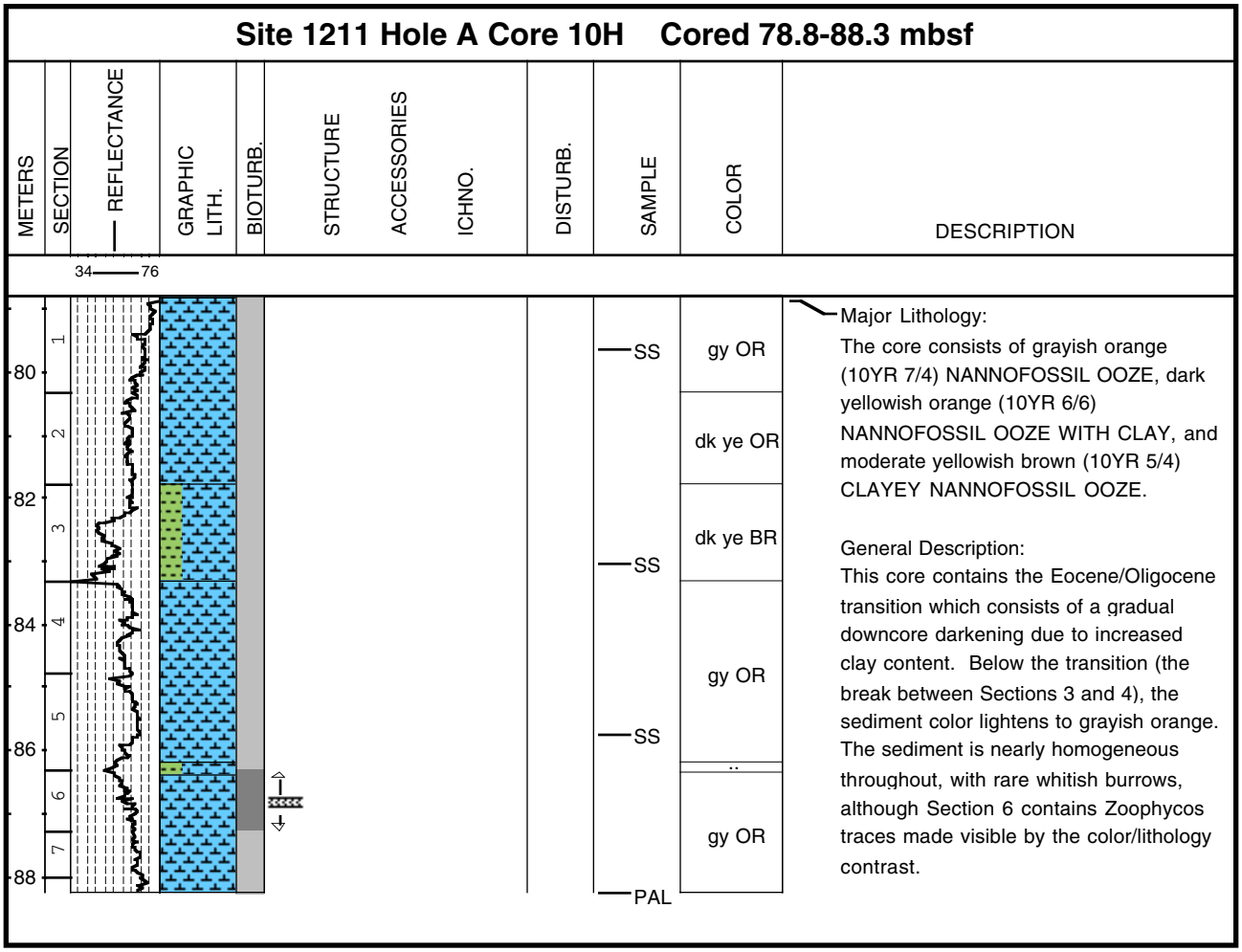
Core Photo


Site 1211 Hole A Core 8H Cored 59.8-69.3 mbsf
METERS
SECTION
REFLECTANCE
46
73
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
62
64
66
68
1
2
3
4
5
6
7
SS
SS
PAL
gy OR
med ye BR
gy OR
Major Lithology:
The core primarily consists of grayish orange (10YR 7/4) and moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE
Minor Lithology:
There is dark yellowish brown (10YR 4/4) CLAYEY NANNOFOSSIL OOZE layer at 50-64 cm in Section 3.
General Description:
This core is homogeneous and slightly soupy throughout. Bioturbation is rare throughout this core. Some burrows filled with very pale orange (10YR 8/2) ooze are observed throughout. Color transitions are gradual.

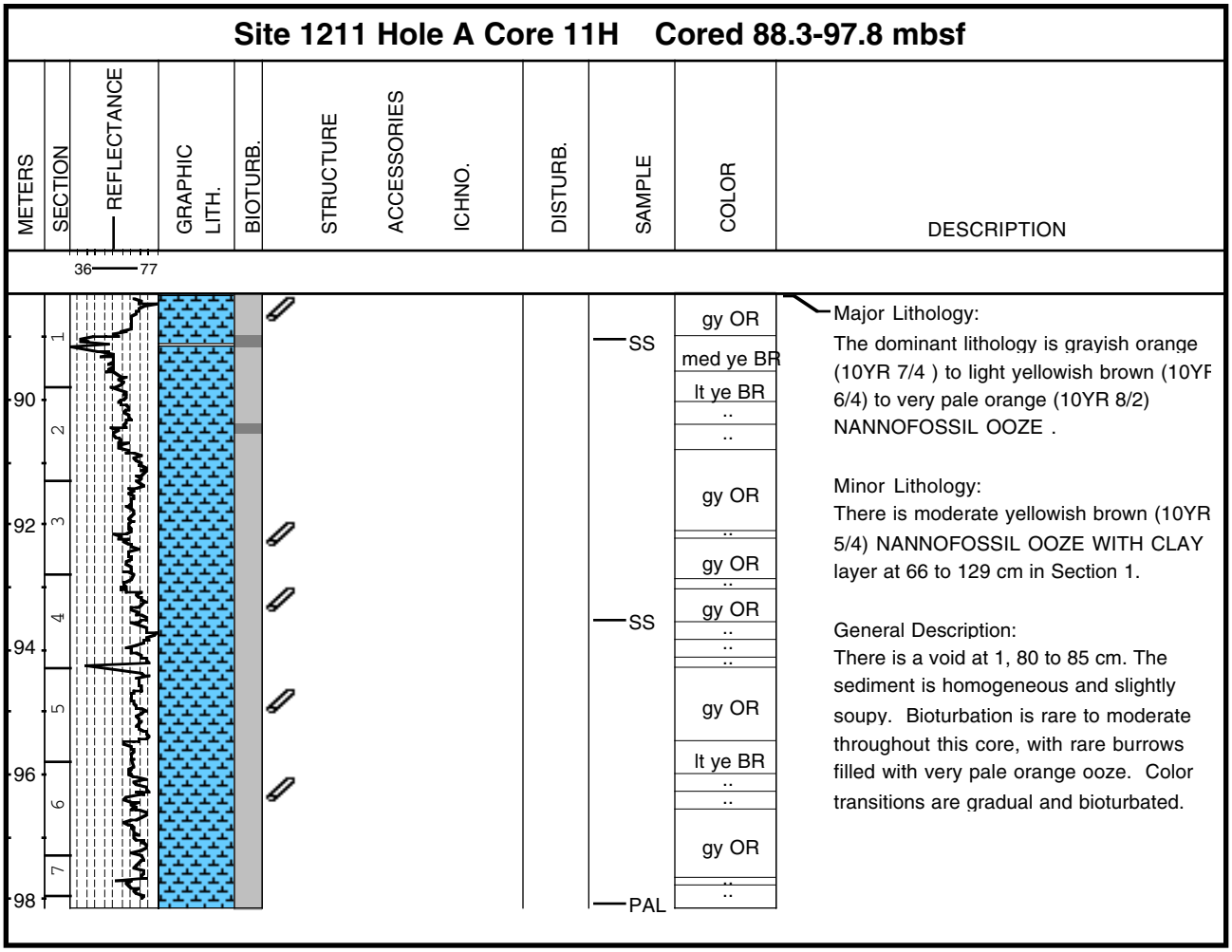
Core Photo


Site 1211 Hole A Core 9H Cored 69.3-78.8 mbsf
METERS
SECTION
REFLECTANCE
61
78
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
70
72
74
76
78
1
2
3
4
5
6
7
CAR
SS
CAR
PAL
gy OR
Major Lithology:
The core consists of grayish orange (10YR 7/4) NANNOFOSSIL OOZE.
General Description:
The sediment is homogeneous with the exception of the top two sections which show subtle light-dark color variations. Rare whitish burrows are present.

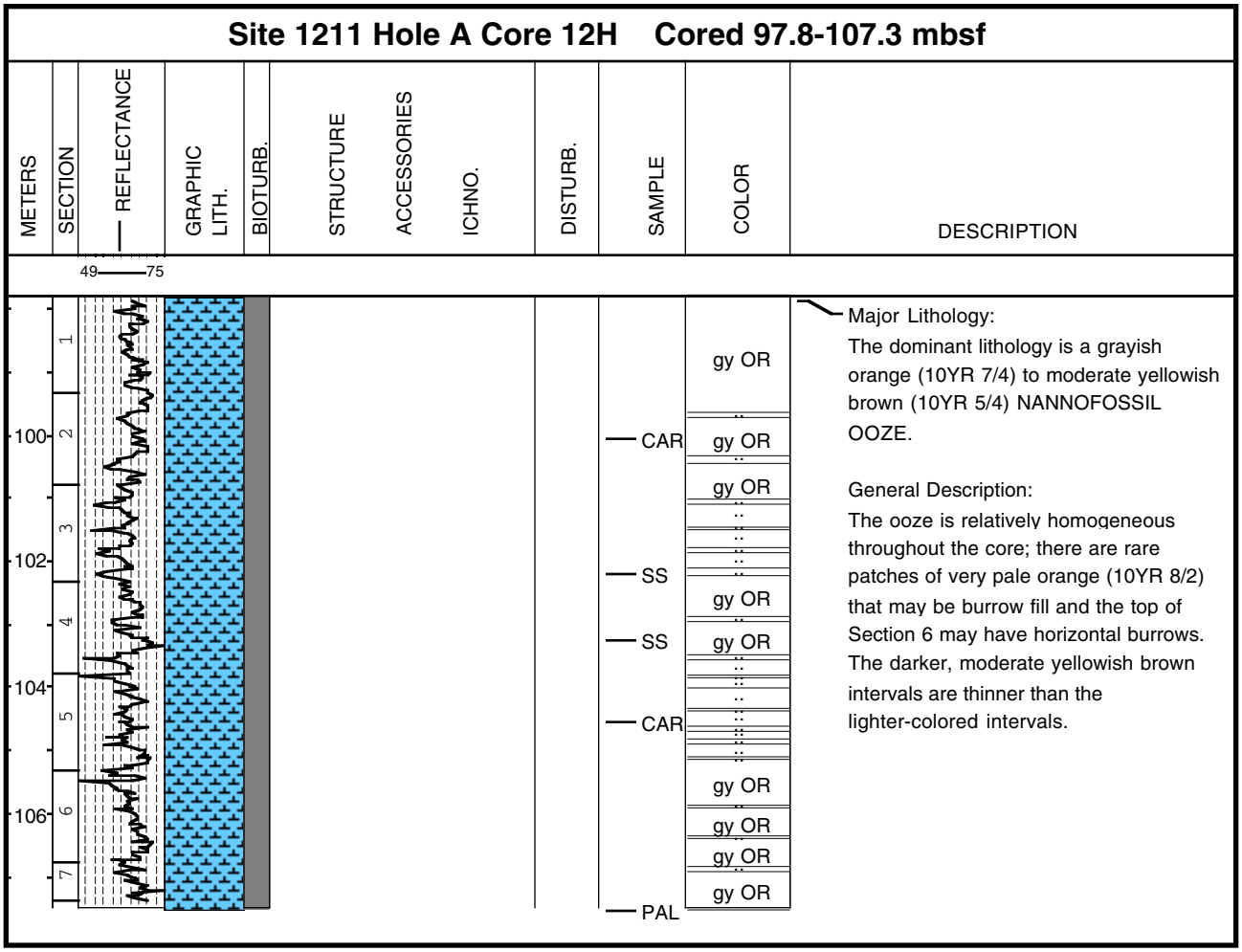
Core Photo


Site 1211 Hole A Core 10H Cored 78.8-88.3 mbsf
METERS
SECTION
REFLECTANCE
34
76
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
80
82
84
86
88
1
2
3
4
5
6
7
SS
SS
SS
PAL
gy OR
dk ye OR
dk ye BR
gy OR
gy OR
Major Lithology:
The core consists of grayish orange (10YR 7/4) NANNOFOSSIL OOZE, dark yellowish orange (10YR 6/6) NANNOFOSSIL OOZE WITH CLAY, and moderate yellowish brown (10YR 5/4) CLAYEY NANNOFOSSIL OOZE.
General Description:
This core contains the Eocene/Oligocene transition which consists of a gradual downcore darkening due to increased clay content. Below the transition (the break between Sections 3 and 4), the sediment color lightens to grayish orange. The sediment is nearly homogeneous throughout, with rare whitish burrows, although Section 6 contains Zoophycos traces made visible by the color/lithology contrast.

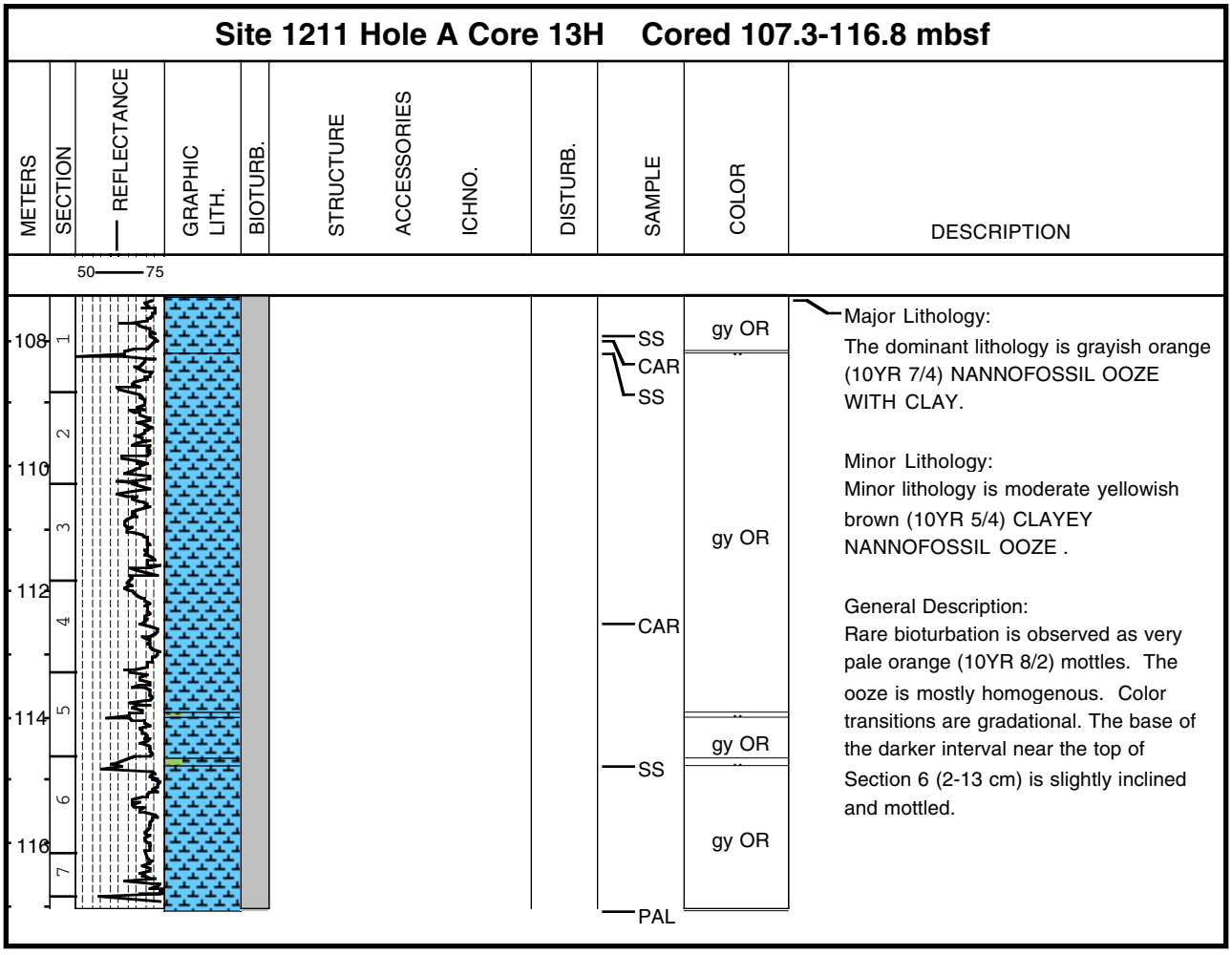
Core Photo


Site 1211 Hole A Core 11H Cored 88.3-97.8 mbsf
METERS
SECTION
REFLECTANCE
36
77
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
90
92
94
96
98
1
2
3
4
5
6
7
SS
SS
PAL
gy OR
med ye BR
lt ye BR
gy OR
gy OR
gy OR
gy OR
lt ye BR
gy OR
Major Lithology:
The dominant lithology is grayish orange (10YR 7/4) to light yellowish brown (10YR 6/4) to very pale orange (10YR 8/2) NANNOFOSSIL OOZE .
Minor Lithology:
There is moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY layer at 66 to 129 cm in Section 1.
General Description:
There is a void at 1, 80 to 85 cm. The sediment is homogeneous and slightly soupy. Bioturbation is rare to moderate throughout this core, with rare burrows filled with very pale orange ooze. Color transitions are gradual and bioturbated.

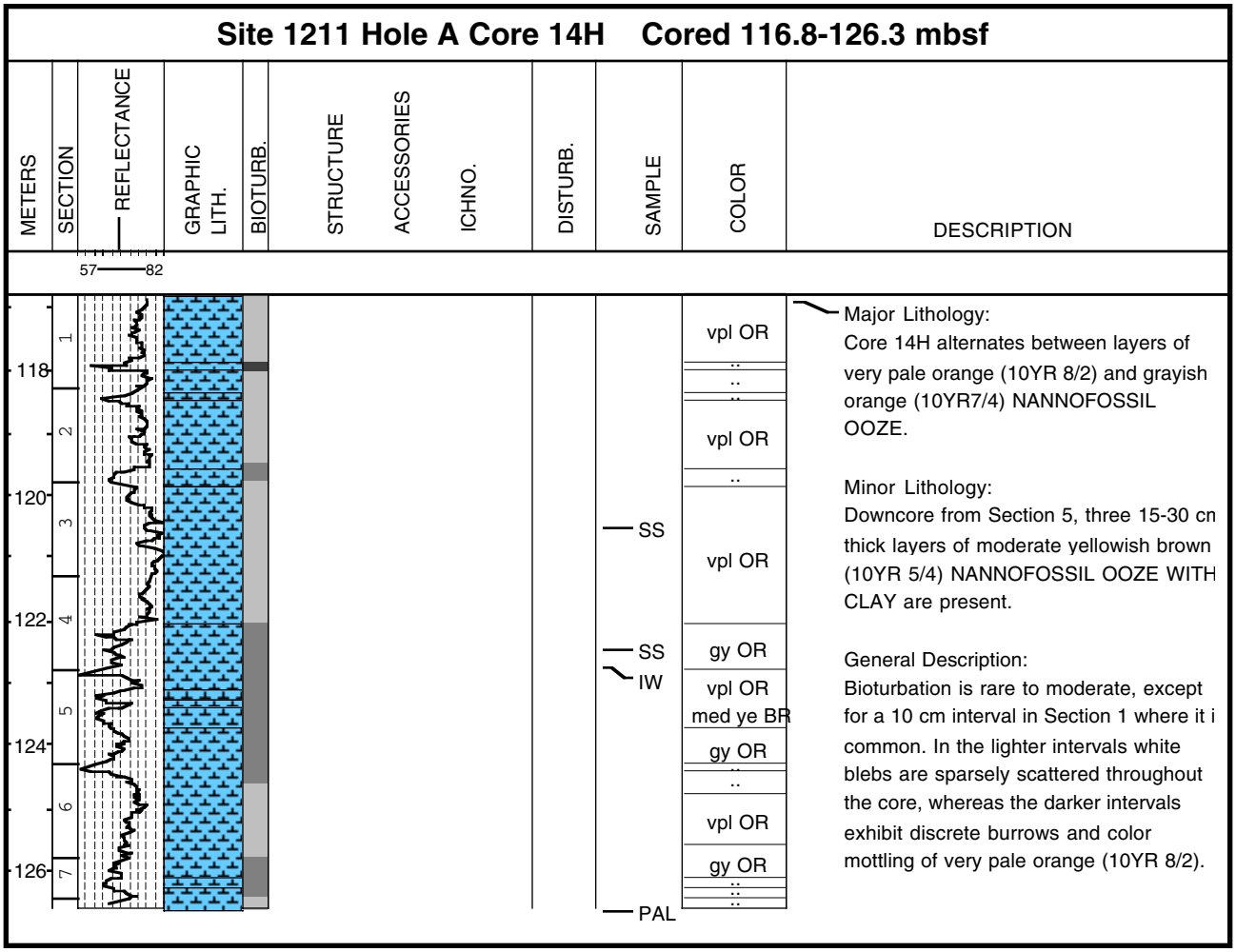
Core Photo


Site 1211 Hole A Core 12H Cored 97.8-107.3 mbsf
METERS
SECTION
REFLECTANCE
49
75
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
100
102
104
106
1
2
3
4
5
6
7
CAR
SS
SS
CAR
PAL
gy OR
gy OR
gy OR
gy OR
gy OR
gy OR
gy OR
gy OR
Major Lithology:
The dominant lithology is a grayish orange (10YR 7/4) to moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE.
General Description:
The ooze is relatively homogeneous throughout the core; there are rare patches of very pale orange (10YR 8/2) that may be burrow fill and the top of Section 6 may have horizontal burrows. The darker, moderate yellowish brown intervals are thinner than the lighter-colored intervals.

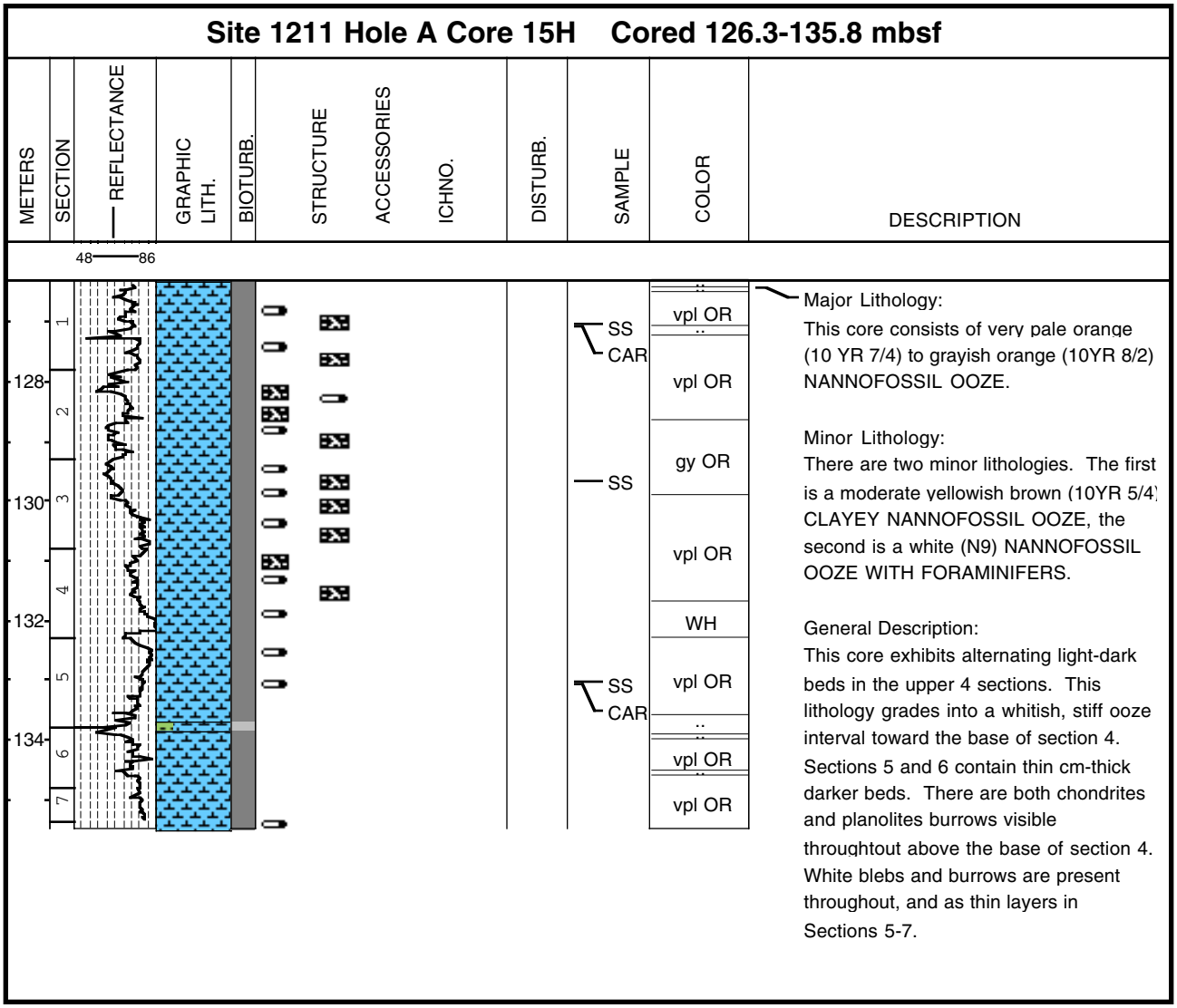
Core Photo


Site 1211 Hole A Core 13H Cored 107.3-116.8 mbsf
METERS
SECTION
REFLECTANCE
50
75
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
108
110
112
114
116
1
2
3
4
5
6
7
SS
CAR
SS
CAR
SS
PAL
gy OR
gy OR
gy OR
gy OR
Major Lithology:
The dominant lithology is grayish orange (10YR 7/4) NANNOFOSSIL OOZE WITH CLAY.
Minor Lithology:
Minor lithology is moderate yellowish brown (10YR 5/4) CLAYEY NANNOFOSSIL OOZE .
General Description:
Rare bioturbation is observed as very pale orange (10YR 8/2) mottles. The ooze is mostly homogenous. Color transitions are gradational. The base of the darker interval near the top of Section 6 (2-13 cm) is slightly inclined and mottled.

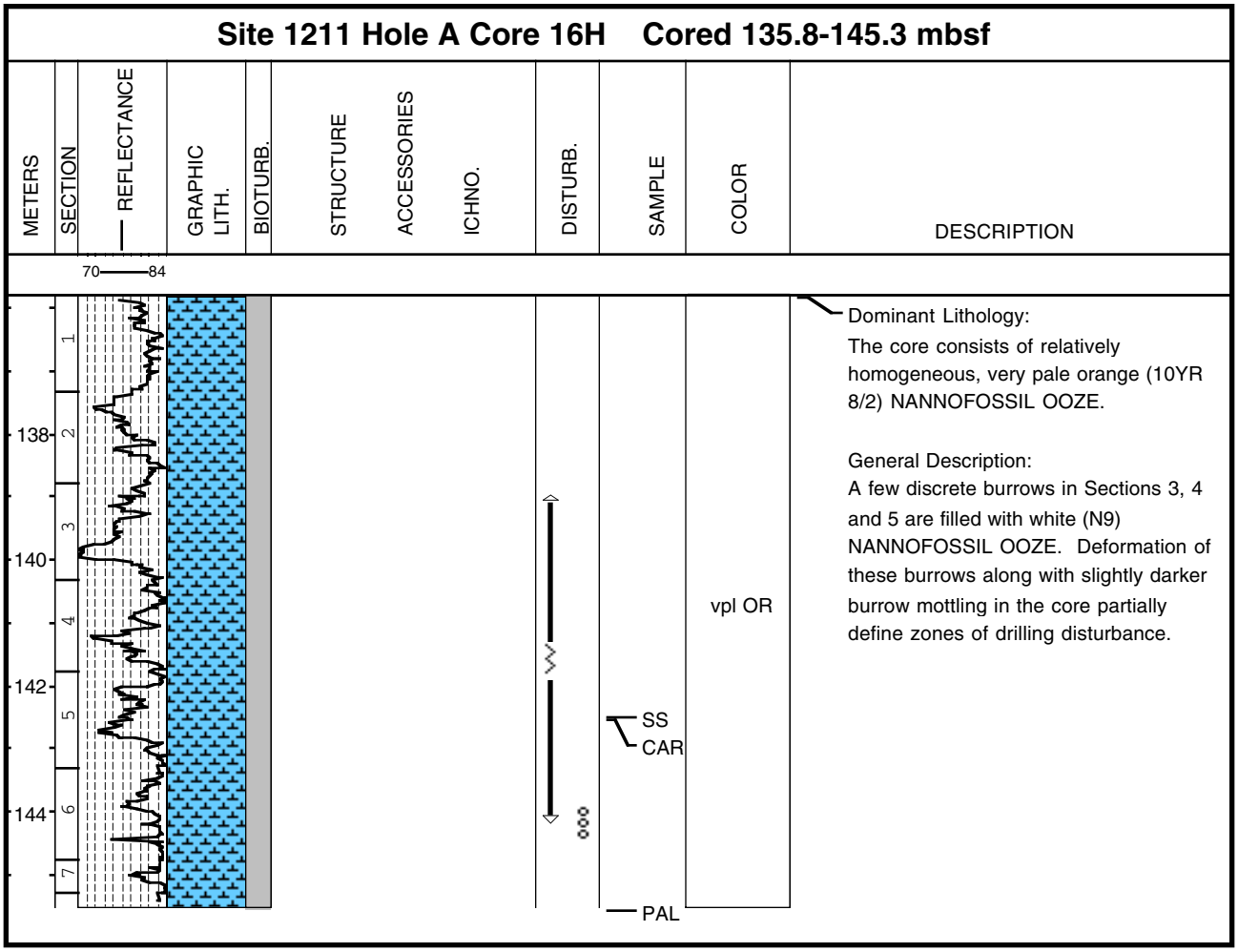
Core Photo


Site 1211 Hole A Core 14H Cored 116.8-126.3 mbsf
METERS
SECTION
REFLECTANCE
57
82
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
118
120
122
124
126
1
2
3
4
5
6
7
SS
SS
IW
PAL
vpl OR
vpl OR
vpl OR
gy OR
vpl OR
med ye BR
gy OR
vpl OR
gy OR
Major Lithology:
Core 14H alternates between layers of very pale orange (10YR 8/2) and grayish orange (10YR7/4) NANNOFOSSIL OOZE.
Minor Lithology:
Downcore from Section 5, three 15-30 cn thick layers of moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY are present.
General Description:
Bioturbation is rare to moderate, except for a 10 cm interval in Section 1 where it i common. In the lighter intervals white blebs are sparsely scattered throughout the core, whereas the darker intervals exhibit discrete burrows and color mottling of very pale orange (10YR 8/2).

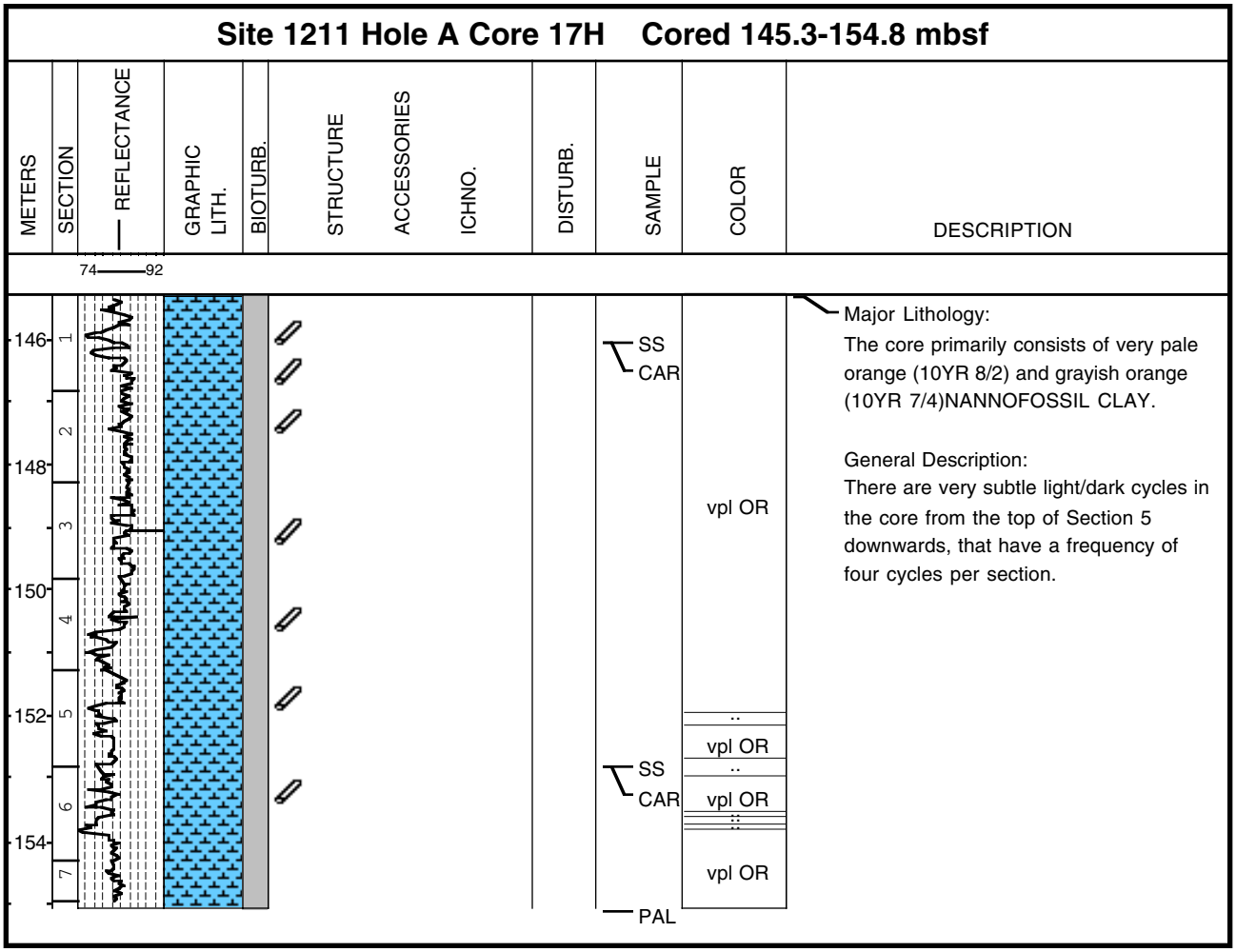
Core Photo


Site 1211 Hole A Core 15H Cored 126.3-135.8 mbsf
METERS
SECTION
REFLECTANCE
48
86
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
128
130
132
134
1
2
3
4
5
6
7
SS
CAR
SS
SS
CAR
vpl OR
vpl OR
gy OR
vpl OR
WH
vpl OR
vpl OR
vpl OR
Major Lithology:
This core consists of very pale orange (10 YR 7/4) to grayish orange (10YR 8/2) NANNOFOSSIL OOZE.
Minor Lithology:
There are two minor lithologies. The first is a moderate yellowish brown (10YR 5/4) CLAYEY NANNOFOSSIL OOZE, the second is a white (N9) NANNOFOSSIL OOZE WITH FORAMINIFERS.
General Description:
This core exhibits alternating light-dark beds in the upper 4 sections. This lithology grades into a whitish, stiff ooze interval toward the base of section 4. Sections 5 and 6 contain thin cm-thick darker beds. There are both chondrites and planolites burrows visible throughtout above the base of section 4. White blebs and burrows are present throughout, and as thin layers in Sections 5-7.

Core Photo

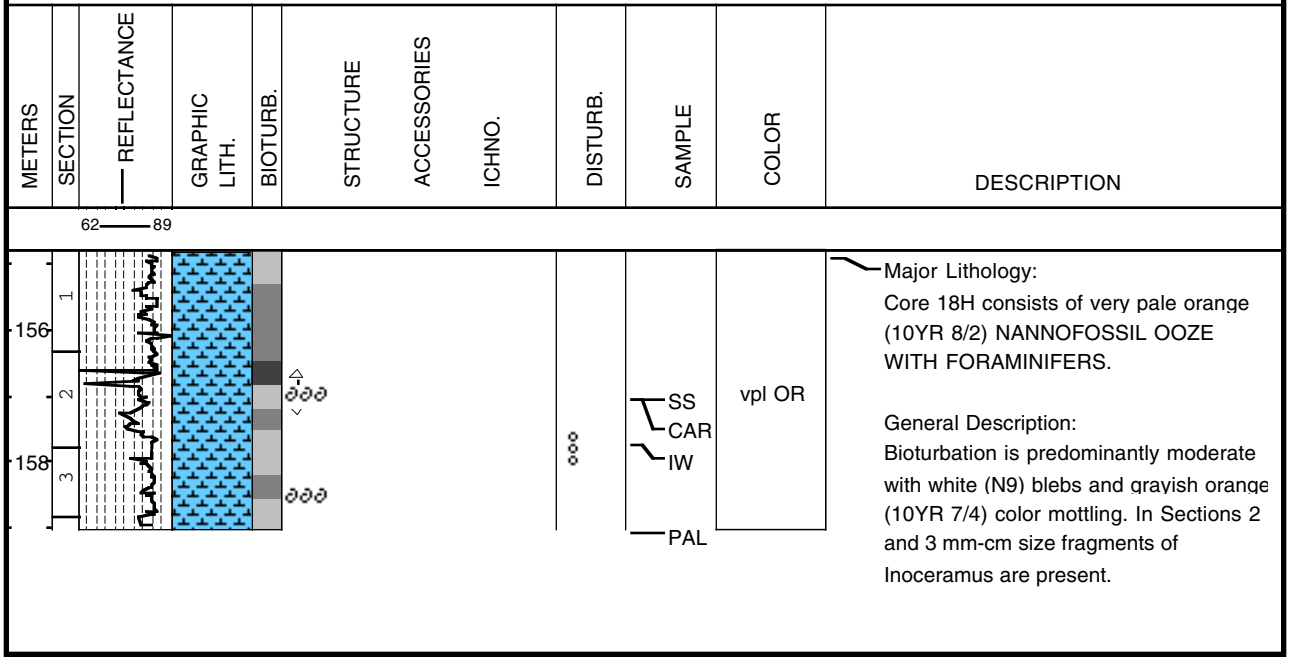

Site 1211 Hole A Core 16H Cored 135.8-145.3 mbsf
METERS
SECTION
REFLECTANCE
70
84
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
138
140
142
144
1
2
3
4
5
6
7
SS
CAR
PAL
vpl OR
Dominant Lithology:
The core consists of relatively homogeneous, very pale orange (10YR 8/2) NANNOFOSSIL OOZE.
General Description:
A few discrete burrows in Sections 3, 4 and 5 are filled with white (N9) NANNOFOSSIL OOZE. Deformation of these burrows along with slightly darker burrow mottling in the core partially define zones of drilling disturbance.

Core Photo

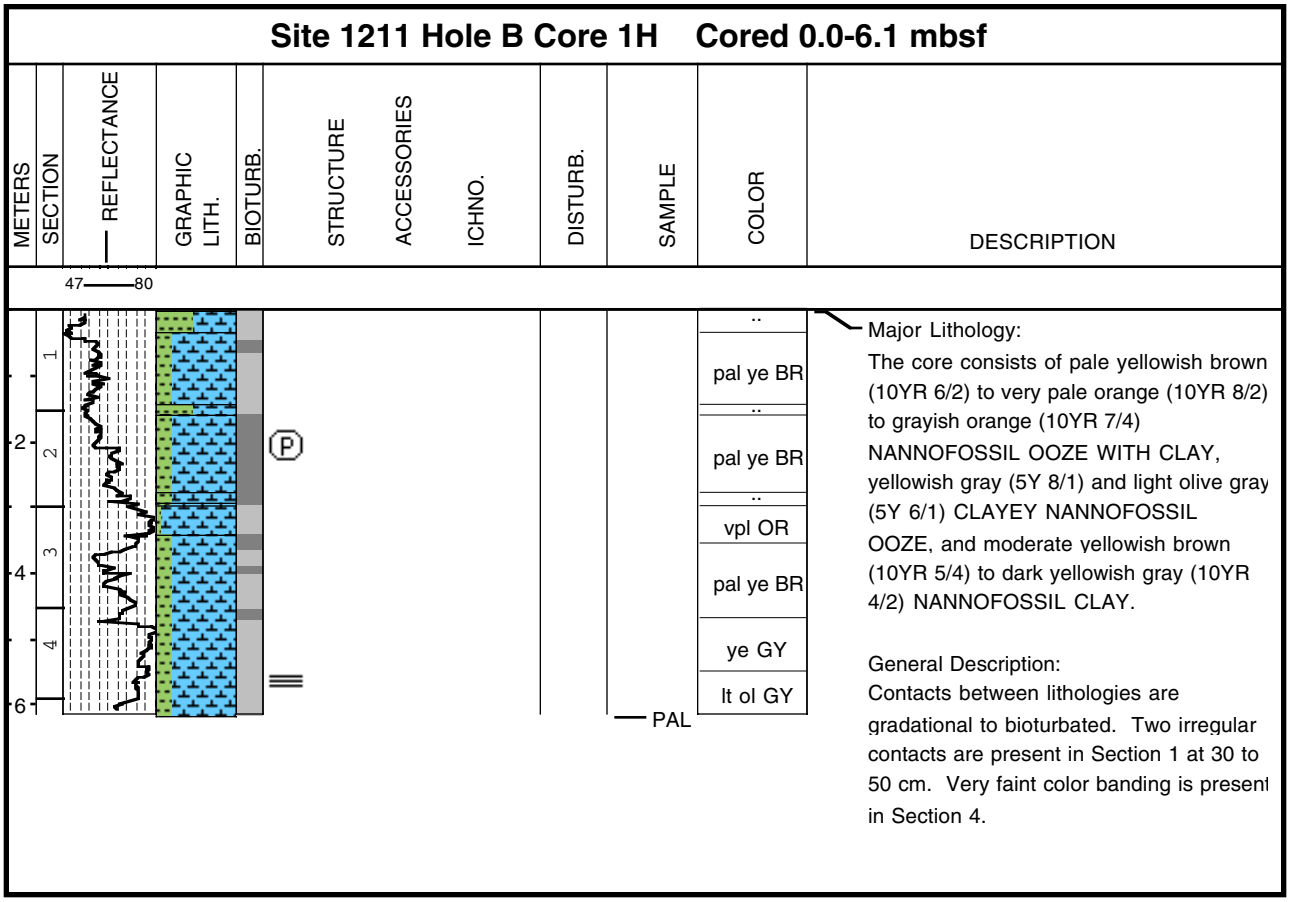

Site 1211 Hole A Core 17H Cored 145.3-154.8 mbsf
METERS
SECTION
REFLECTANCE
74
92
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
146
148
150
152
154
1
2
3
4
5
6
7
SS
CAR
SS
CAR
PAL
vpl OR
vpl OR
vpl OR
vpl OR
Major Lithology:
The core primarily consists of very pale orange (10YR 8/2) and grayish orange (10YR 7/4)NANNOFOSSIL CLAY.
General Description:
There are very subtle light/dark cycles in the core from the top of Section 5 downwards, that have a frequency of four cycles per section.

Core Photo

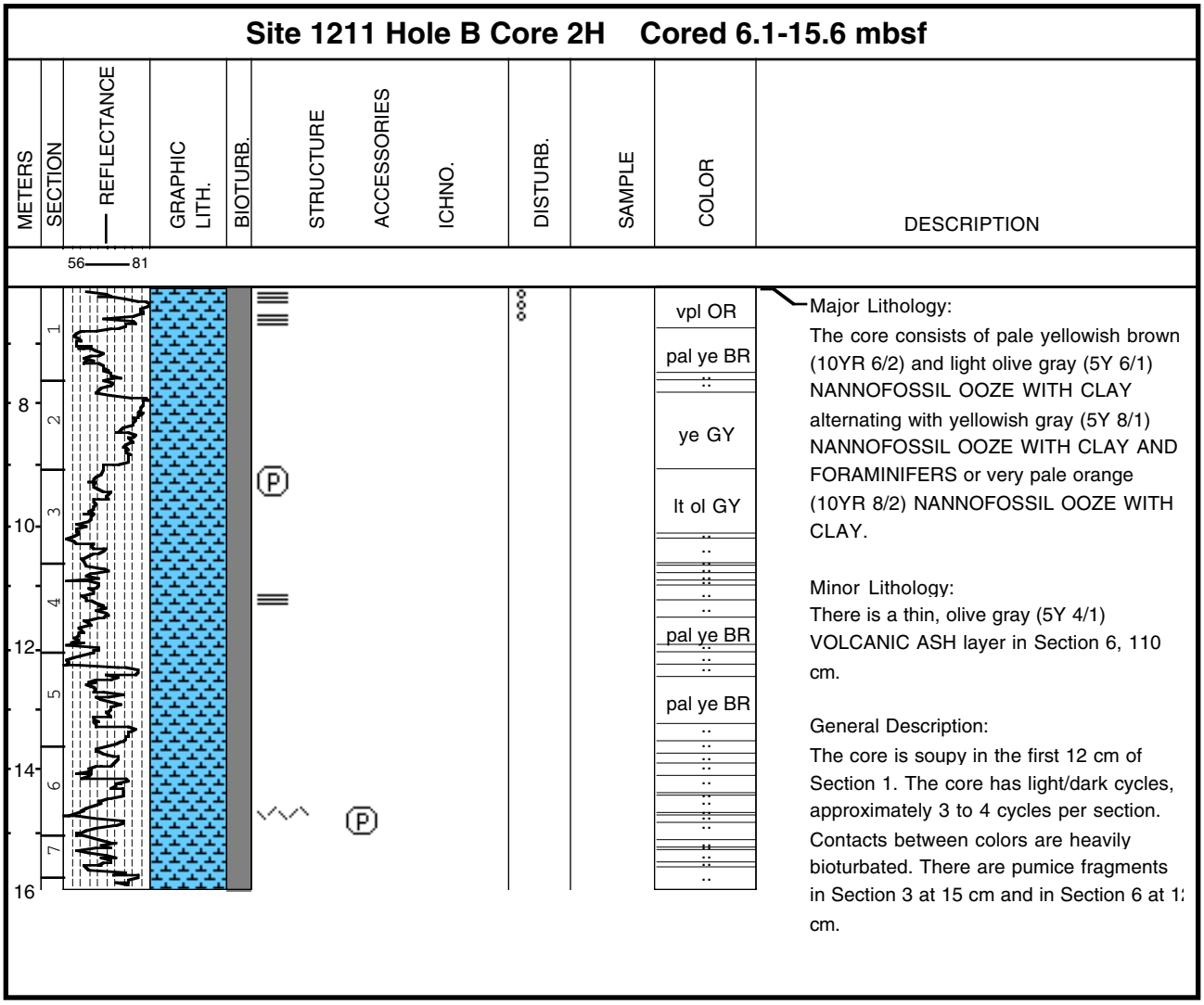
Site 1211 Hole A Core 18H Cored 154.8-158.9 mbsf



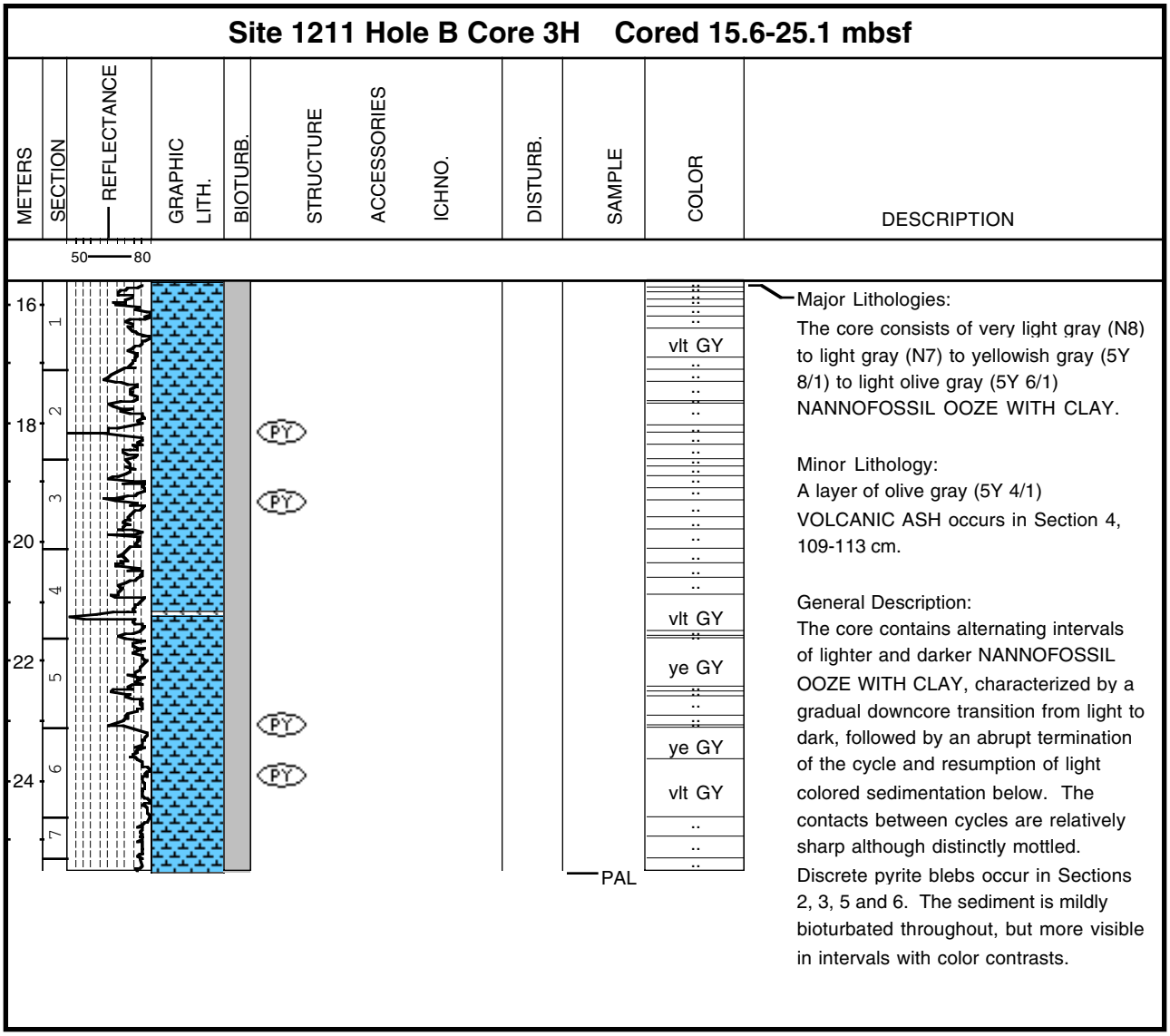
Core Photo


Site 1211 Hole B Core 1H Cored 0.0-6.1 mbsf
METERS
SECTION
REFLECTANCE
47
80
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
2
4
6
1
2
3
4
P
PAL
pal ye BR
pal ye BR
vpl OR
pal ye BR
ye GY
lt ol GY
Major Lithology:
The core consists of pale yellowish brown (10YR 6/2) to very pale orange (10YR 8/2) to grayish orange (10YR 7/4) NANNOFOSSIL OOZE WITH CLAY, yellowish gray (5Y 8/1) and light olive gray (5Y 6/1) CLAYEY NANNOFOSSIL OOZE, and moderate yellowish brown (10YR 5/4) to dark yellowish gray (10YR 4/2) NANNOFOSSIL CLAY.
General Description:
Contacts between lithologies are gradational to bioturbated. Two irregular contacts are present in Section 1 at 30 to 50 cm. Very faint color banding is present in Section 4.

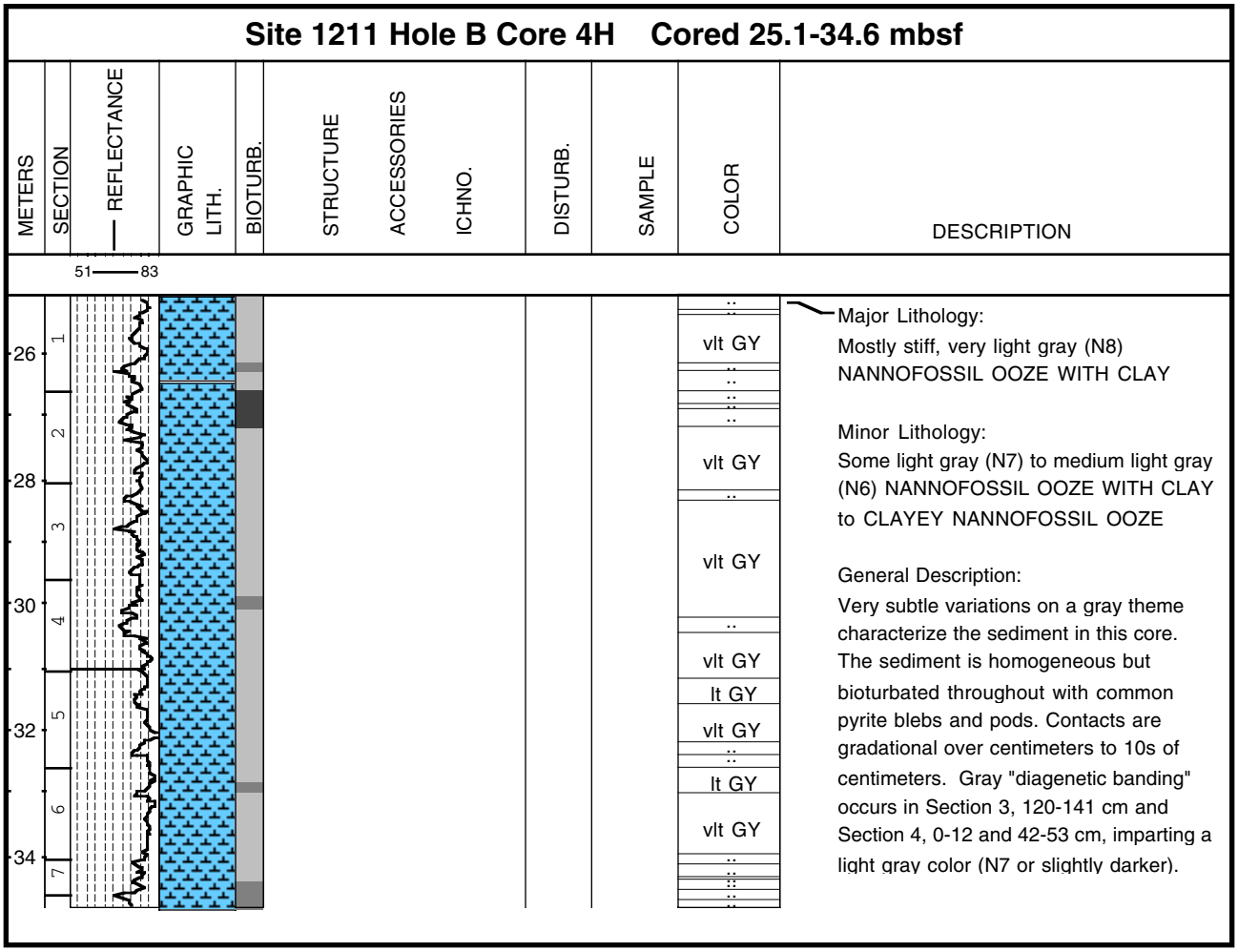
Core Photo


Site 1211 Hole B Core 2H Cored 6.1-15.6 mbsf
METERS
SECTION
REFLECTANCE
56
81
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
8
10
12
14
16
1
2
3
4
5
6
7
P
P
vpl OR
pal ye BR
ye GY
lt ol GY
pal ye BR
pal ye BR
Major Lithology:
The core consists of pale yellowish brown (10YR 6/2) and light olive gray (5Y 6/1) NANNOFOSSIL OOZE WITH CLAY alternating with yellowish gray (5Y 8/1) NANNOFOSSIL OOZE WITH CLAY AND FORAMINIFERS or very pale orange (10YR 8/2) NANNOFOSSIL OOZE WITH CLAY.
Minor Lithology:
There is a thin, olive gray (5Y 4/1) VOLCANIC ASH layer in Section 6, 110 cm.
General Description:
The core is soupy in the first 12 cm of Section 1. The core has light/dark cycles, approximately 3 to 4 cycles per section. Contacts between colors are heavily bioturbated. There are pumice fragments in Section 3 at 15 cm and in Section 6 at 1
cm.

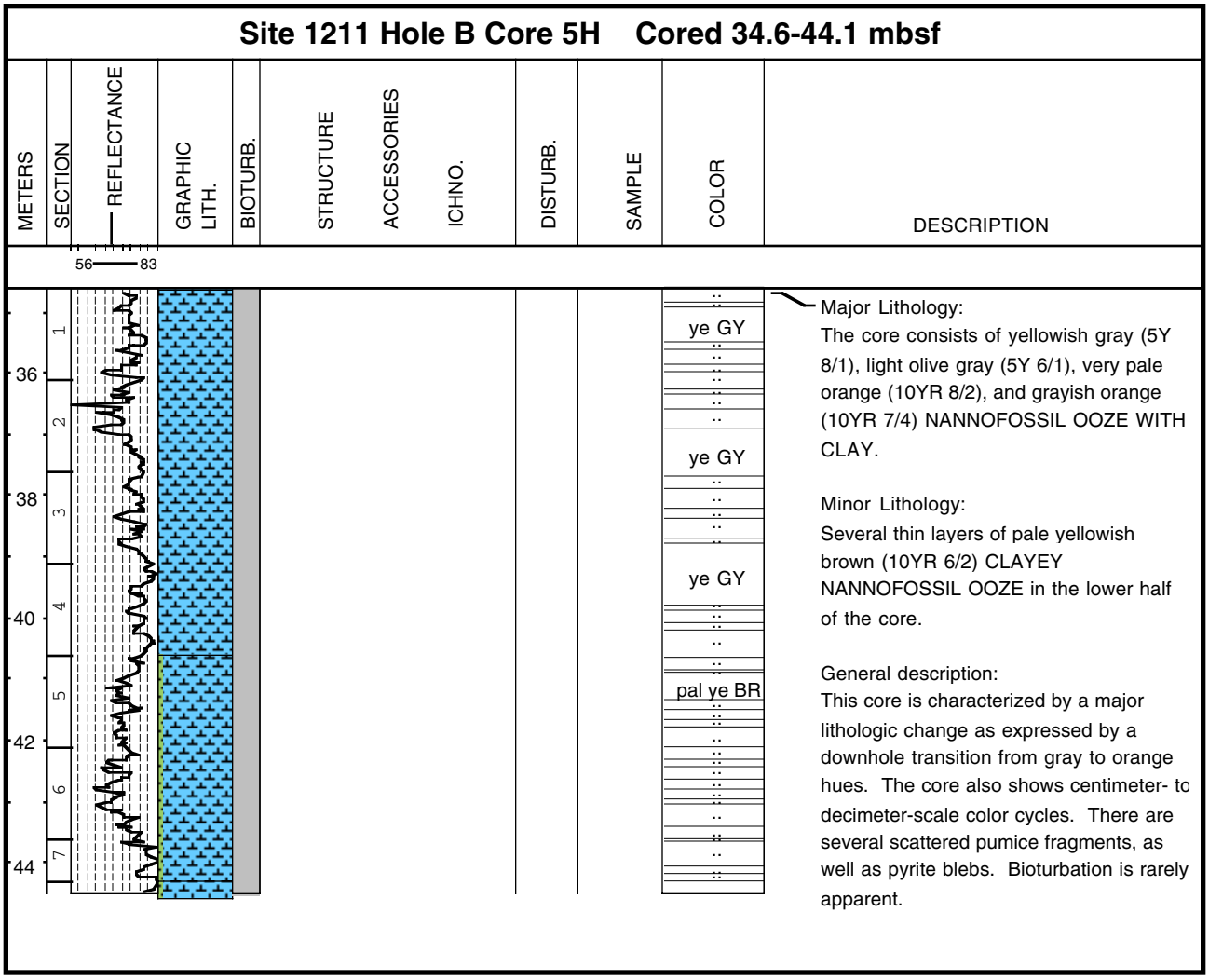
Core Photo


Site 1211 Hole B Core 3H Cored 15.6-25.1 mbsf
METERS
SECTION
REFLECTANCE
50
80
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
16
18
20
22
24
1
2
3
4
5
6
7
PY
PY
PY
PY
PAL
vlt GY
vlt GY
ye GY
ye GY
vlt GY
Major Lithologies:
The core consists of very light gray (N8) to light gray (N7) to yellowish gray (5Y 8/1) to light olive gray (5Y 6/1) NANNOFOSSIL OOZE WITH CLAY.
Minor Lithology:
A layer of olive gray (5Y 4/1) VOLCANIC ASH occurs in Section 4, 109-113 cm.
General Description:
The core contains alternating intervals of lighter and darker NANNOFOSSIL OOZE WITH CLAY, characterized by a gradual downcore transition from light to dark, followed by an abrupt termination of the cycle and resumption of light colored sedimentation below. The contacts between cycles are relatively sharp although distinctly mottled. Discrete pyrite blebs occur in Sections 2, 3, 5 and 6. The sediment is mildly bioturbated throughout, but more visible in intervals with color contrasts.

Core Photo

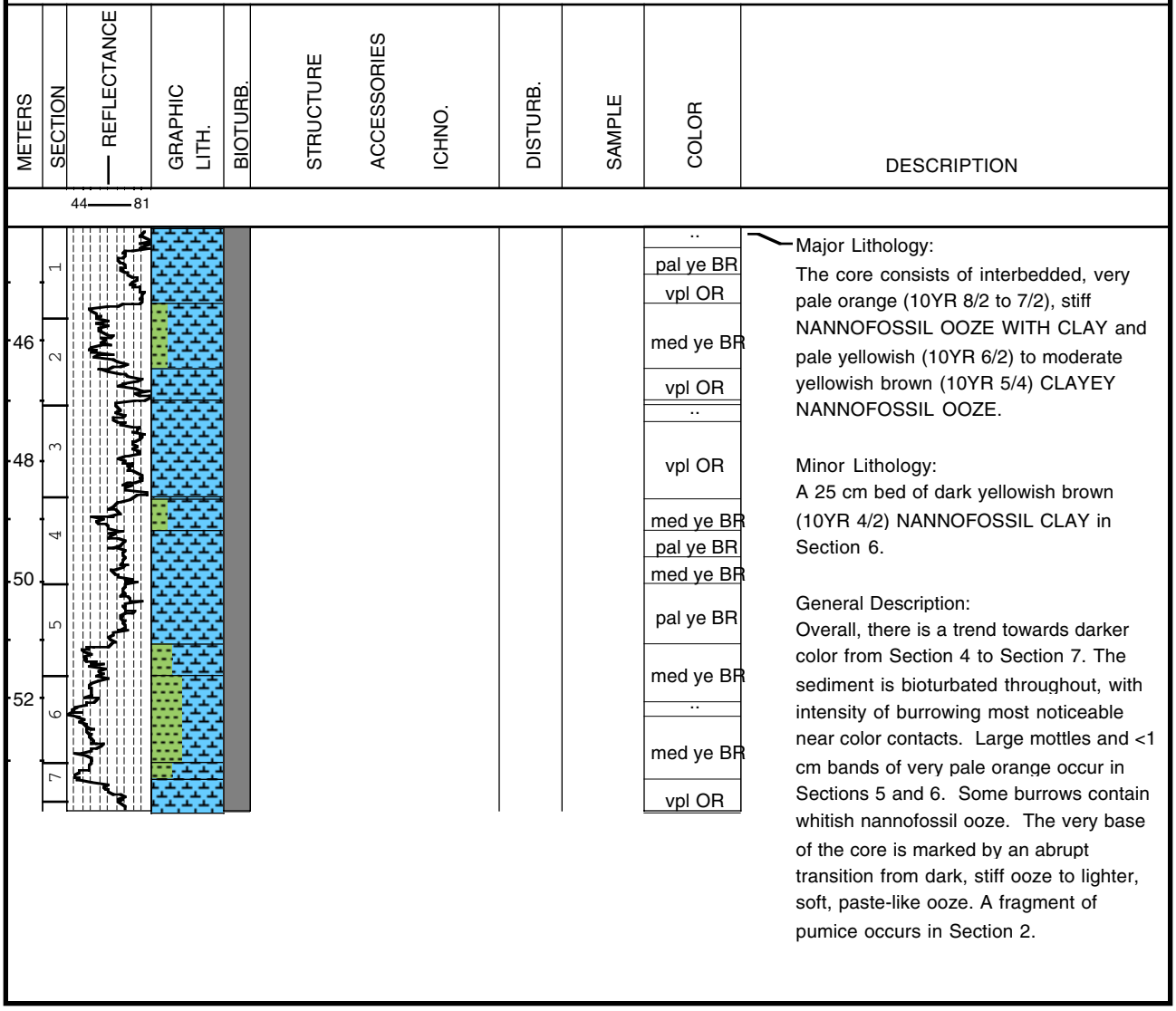

Site 1211 Hole B Core 4H Cored 25.1-34.6 mbsf
METERS
SECTION
REFLECTANCE
51
83
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
26
28
30
32
34
1
2
3
4
5
6
7
vlt GY
vlt GY
vlt GY
vlt GY
lt GY
vlt GY
lt GY
vlt GY
Major Lithology:
Mostly stiff, very light gray (N8) NANNOFOSSIL OOZE WITH CLAY
Minor Lithology:
Some light gray (N7) to medium light gray (N6) NANNOFOSSIL OOZE WITH CLAY to CLAYEY NANNOFOSSIL OOZE
General Description:
Very subtle variations on a gray theme characterize the sediment in this core. The sediment is homogeneous but bioturbated throughout with common pyrite blebs and pods. Contacts are gradational over centimeters to 10s of centimeters. Gray "diagenetic banding" occurs in Section 3, 120-141 cm and Section 4, 0-12 and 42-53 cm, imparting a light gray color (N7 or slightly darker).

Core Photo


Site 1211 Hole B Core 5H Cored 34.6-44.1 mbsf
METERS
SECTION
REFLECTANCE
56
83
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
36
38
40
42
44
1
2
3
4
5
6
7
ye GY
ye GY
ye GY
pal ye BR
Major Lithology:
The core consists of yellowish gray (5Y 8/1), light olive gray (5Y 6/1), very pale orange (10YR 8/2), and grayish orange (10YR 7/4) NANNOFOSSIL OOZE WITH CLAY.
Minor Lithology:
Several thin layers of pale yellowish brown (10YR 6/2) CLAYEY NANNOFOSSIL OOZE in the lower half of the core.
General description:
This core is characterized by a major lithologic change as expressed by a downhole transition from gray to orange hues. The core also shows centimeter- tc decimeter-scale color cycles. There are several scattered pumice fragments, as well as pyrite blebs. Bioturbation is rarely apparent.

Core Photo

Site 1211 Hole B Core 6H Cored 44.1-53.6 mbsf

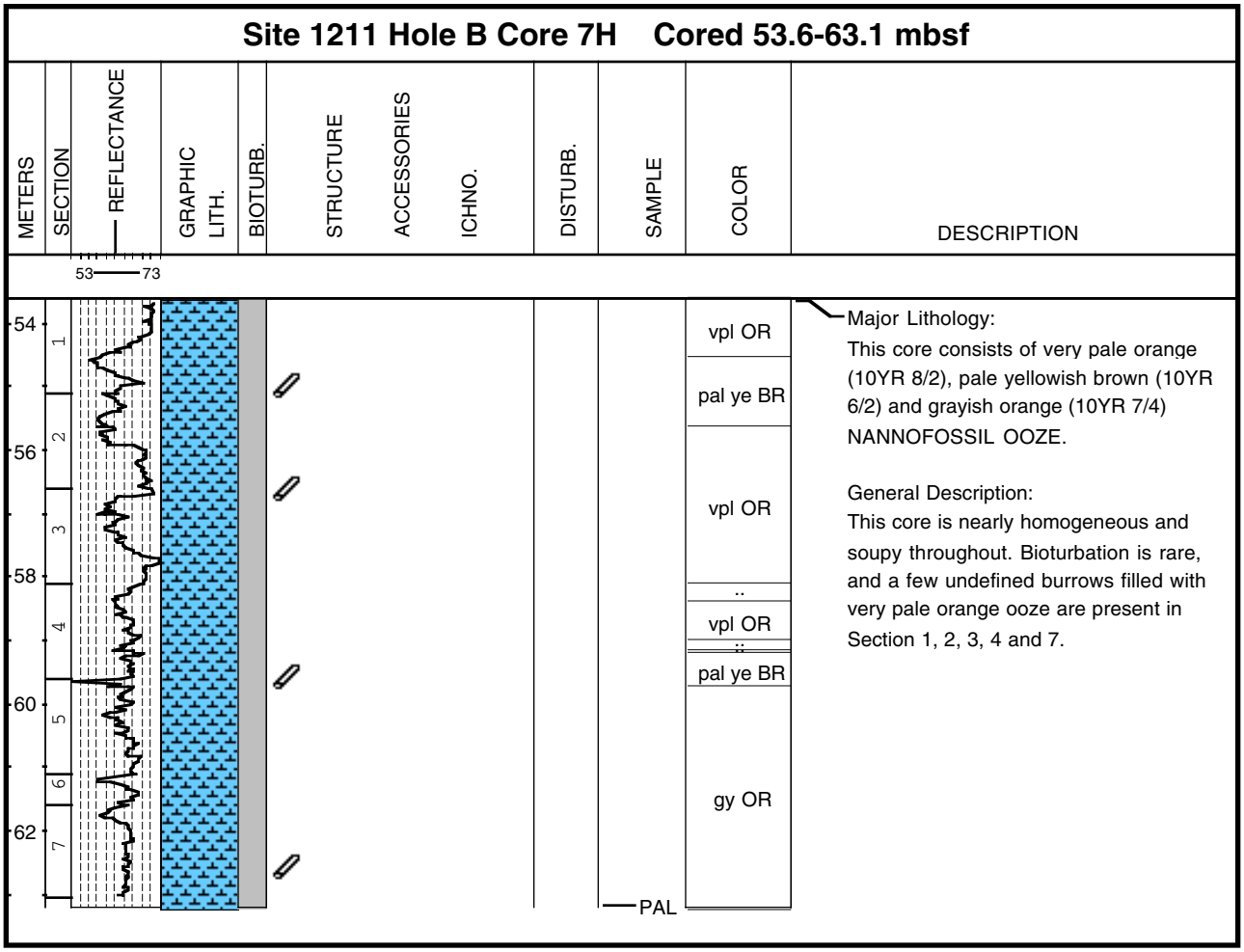


Major Lithology:
The core consists of interbedded, very pale orange (10YR 8/2 to 7/2), stiff NANNOFOSSIL OOZE WITH CLAY and pale yellowish (10YR 6/2) to moderate yellowish brown (10YR 5/4) CLAYEY NANNOFOSSIL OOZE.

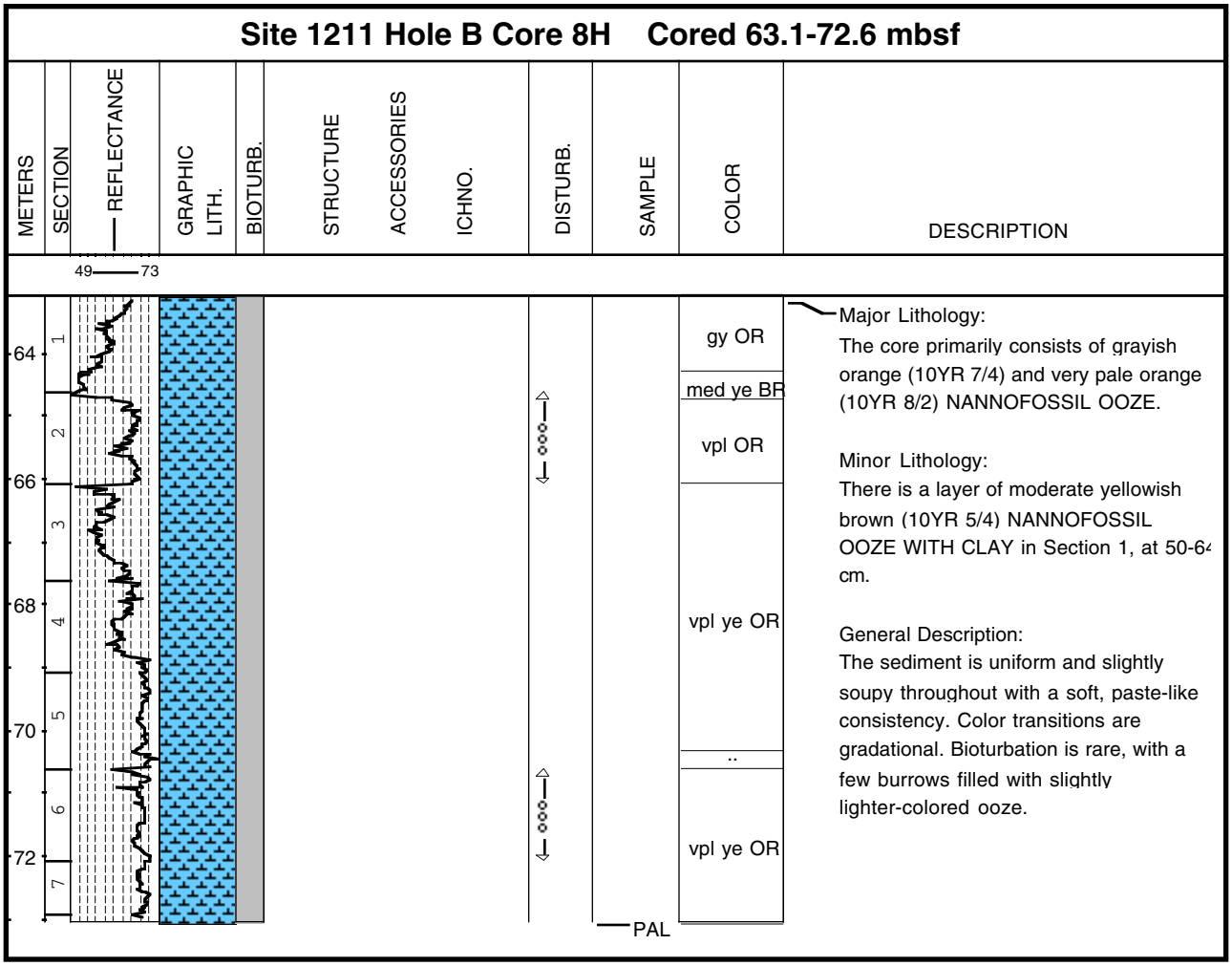
Minor Lithology:
A 25 cm bed of dark yellowish brown (10YR 4/2) NANNOFOSSIL CLAY in Section 6.

General Description:
Overall, there is a trend towards darker color from Section 4 to Section 7. The sediment is bioturbated throughout, with intensity of burrowing most noticeable near color contacts. Large mottles and <1 cm bands of very pale orange occur in Sections 5 and 6. Some burrows contain whitish nannofossil ooze. The very base of the core is marked by an abrupt transition from dark, stiff ooze to lighter, soft, paste-like ooze. A fragment of pumice occurs in Section 2.

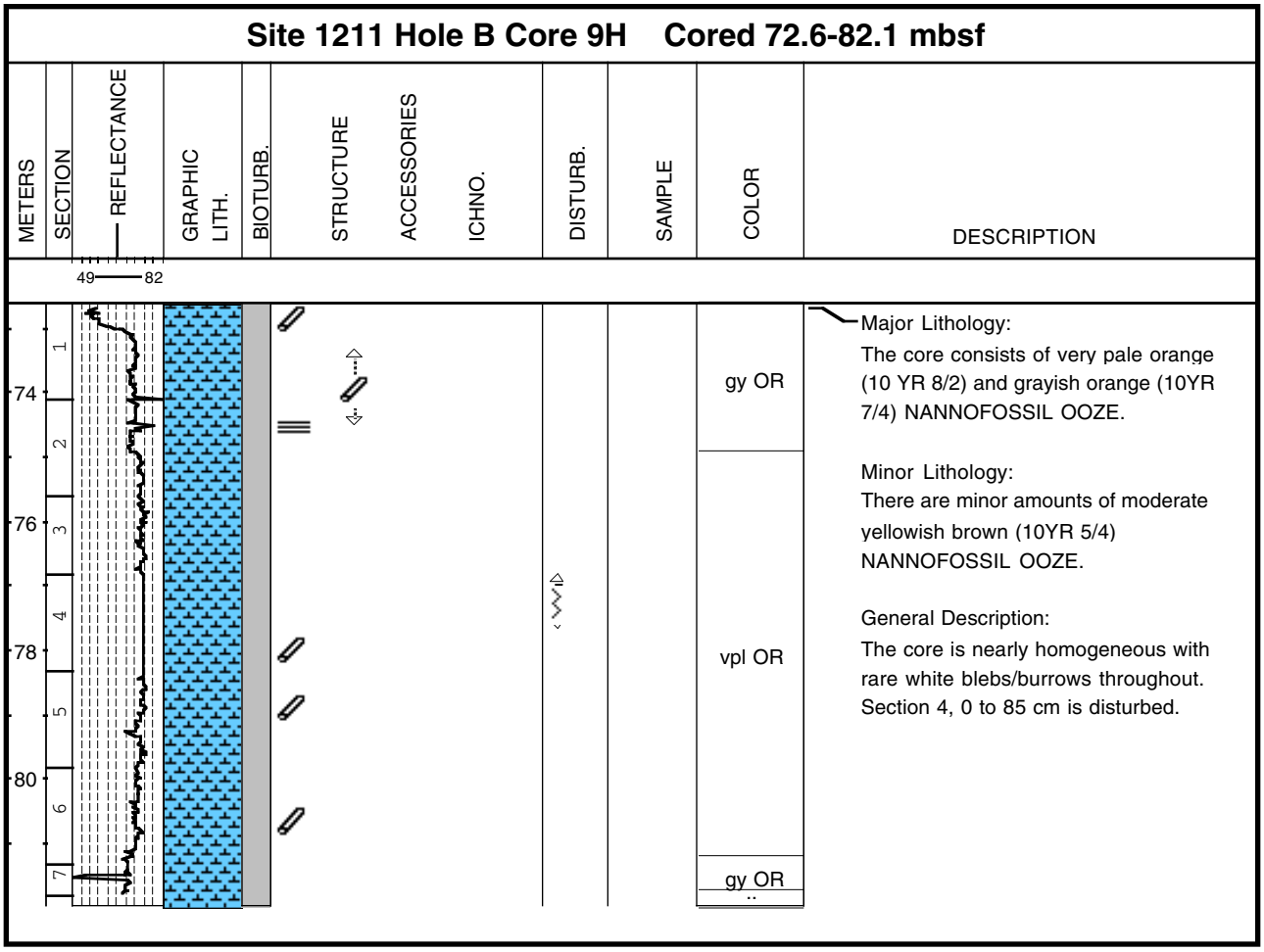
Core Photo


Site 1211 Hole B Core 7H Cored 53.6-63.1 mbsf
METERS
SECTION
REFLECTANCE
53
73
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
54
56
58
60
62
1
2
3
4
5
6
7
PAL
vpl OR
pal ye BR
vpl OR
vpl OR
pal ye BR
gy OR
Major Lithology:
This core consists of very pale orange (10YR 8/2), pale yellowish brown (10YR 6/2) and grayish orange (10YR 7/4) NANNOFOSSIL OOZE.
General Description:
This core is nearly homogeneous and soupy throughout. Bioturbation is rare, and a few undefined burrows filled with very pale orange ooze are present in Section 1, 2, 3, 4 and 7.

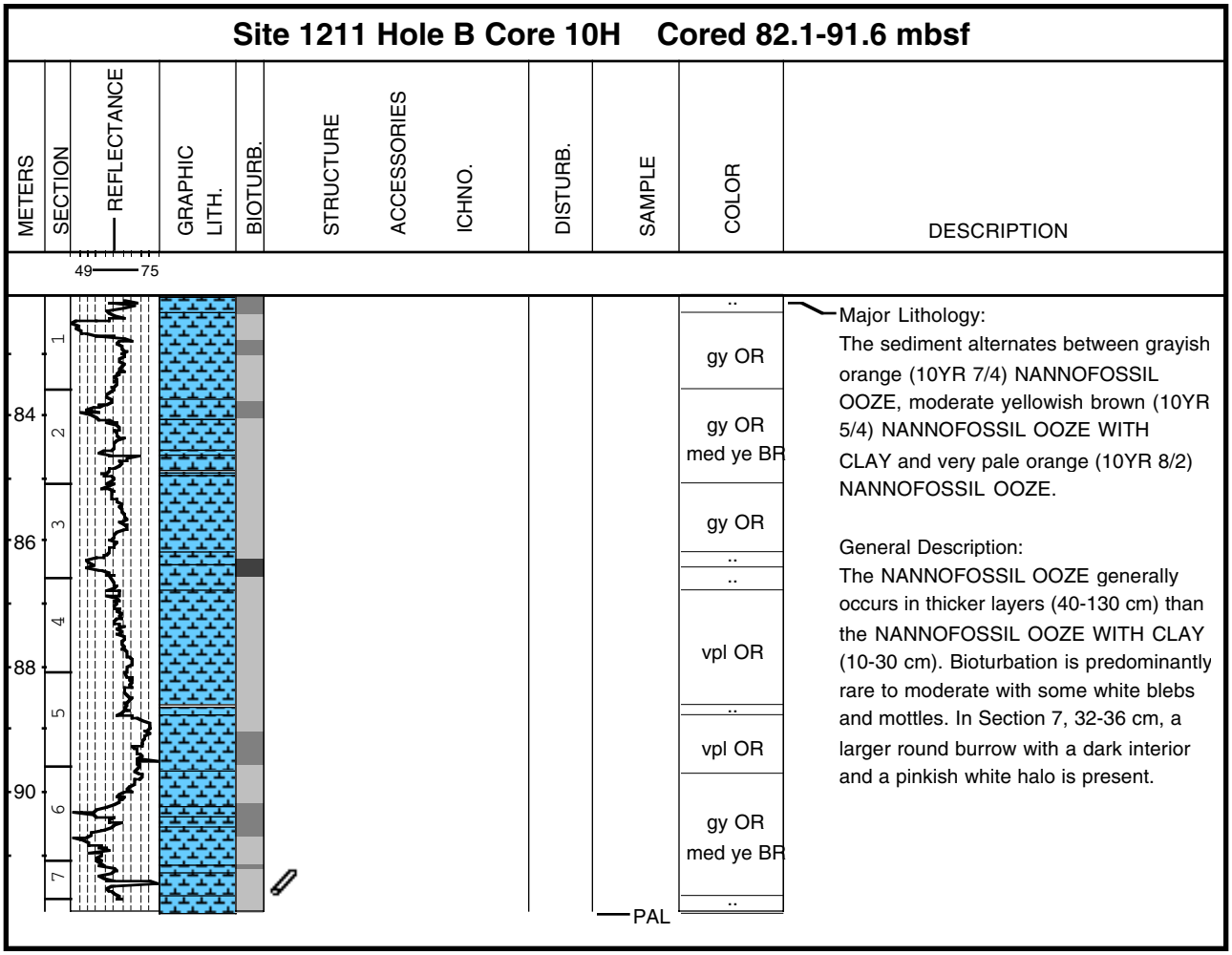
Core Photo


Site 1211 Hole B Core 8H Cored 63.1-72.6 mbsf
METERS
SECTION
REFLECTANCE
49
73
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
64
66
68
70
72
1
2
3
4
5
6
7
PAL
gy OR
med ye BR
vpl OR
vpl ye OR
vpl ye OR
Major Lithology:
The core primarily consists of grayish orange (10YR 7/4) and very pale orange (10YR 8/2) NANNOFOSSIL OOZE.
Minor Lithology:
There is a layer of moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY in Section 1, at 50-64 cm.
General Description:
The sediment is uniform and slightly soupy throughout with a soft, paste-like consistency. Color transitions are gradational. Bioturbation is rare, with a few burrows filled with slightly lighter-colored ooze.

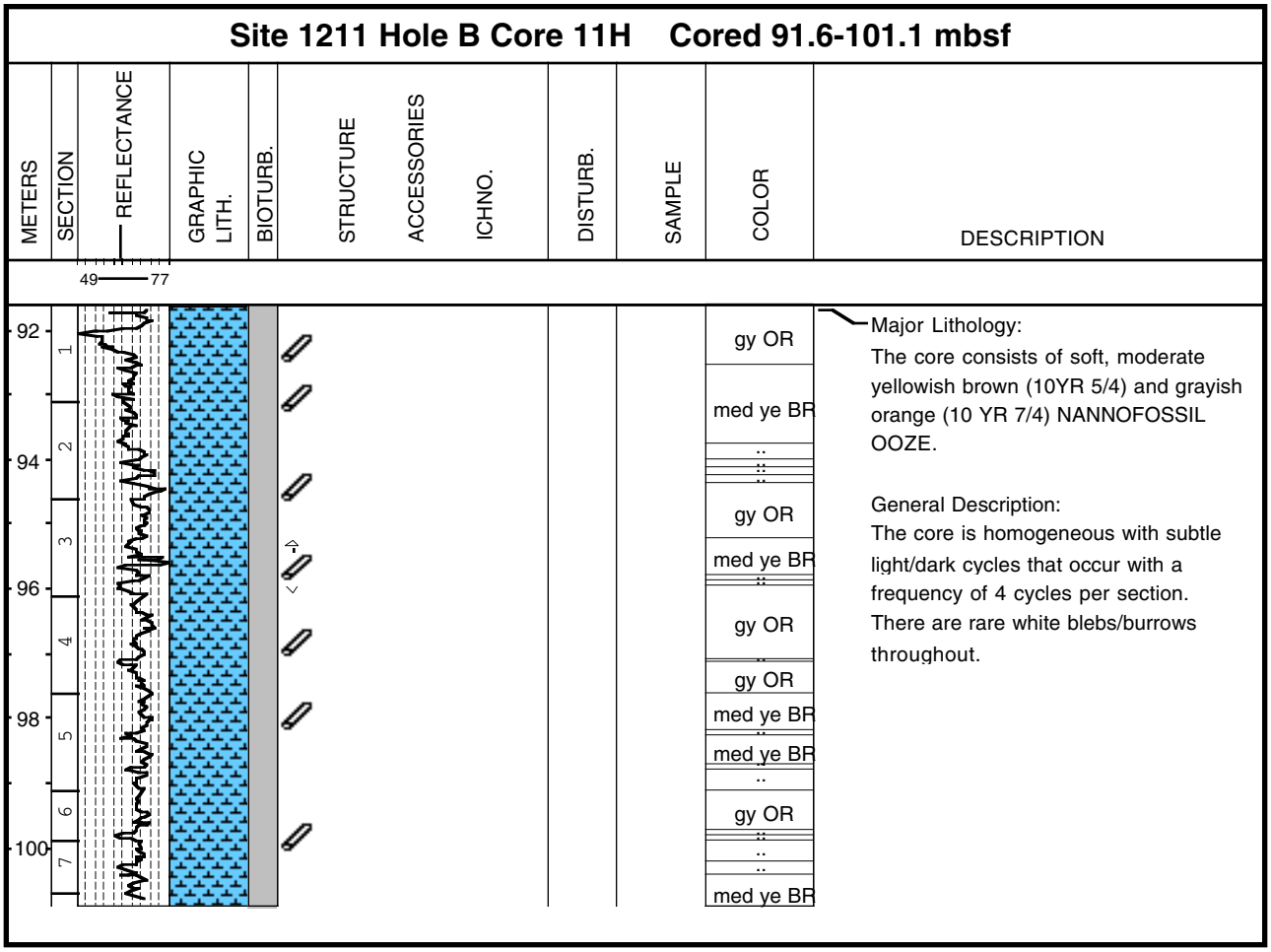
Core Photo


Site 1211 Hole B Core 9H Cored 72.6-82.1 mbsf
METERS
SECTION
REFLECTANCE
49
82
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
74
76
78
80
1
2
3
4
5
6
7
gy OR
vpl OR
gy OR
Major Lithology:
The core consists of very pale orange (10 YR 8/2) and grayish orange (10YR 7/4) NANNOFOSSIL OOZE.
Minor Lithology:
There are minor amounts of moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE.
General Description:
The core is nearly homogeneous with rare white blebs/burrows throughout. Section 4, 0 to 85 cm is disturbed.

Core Photo

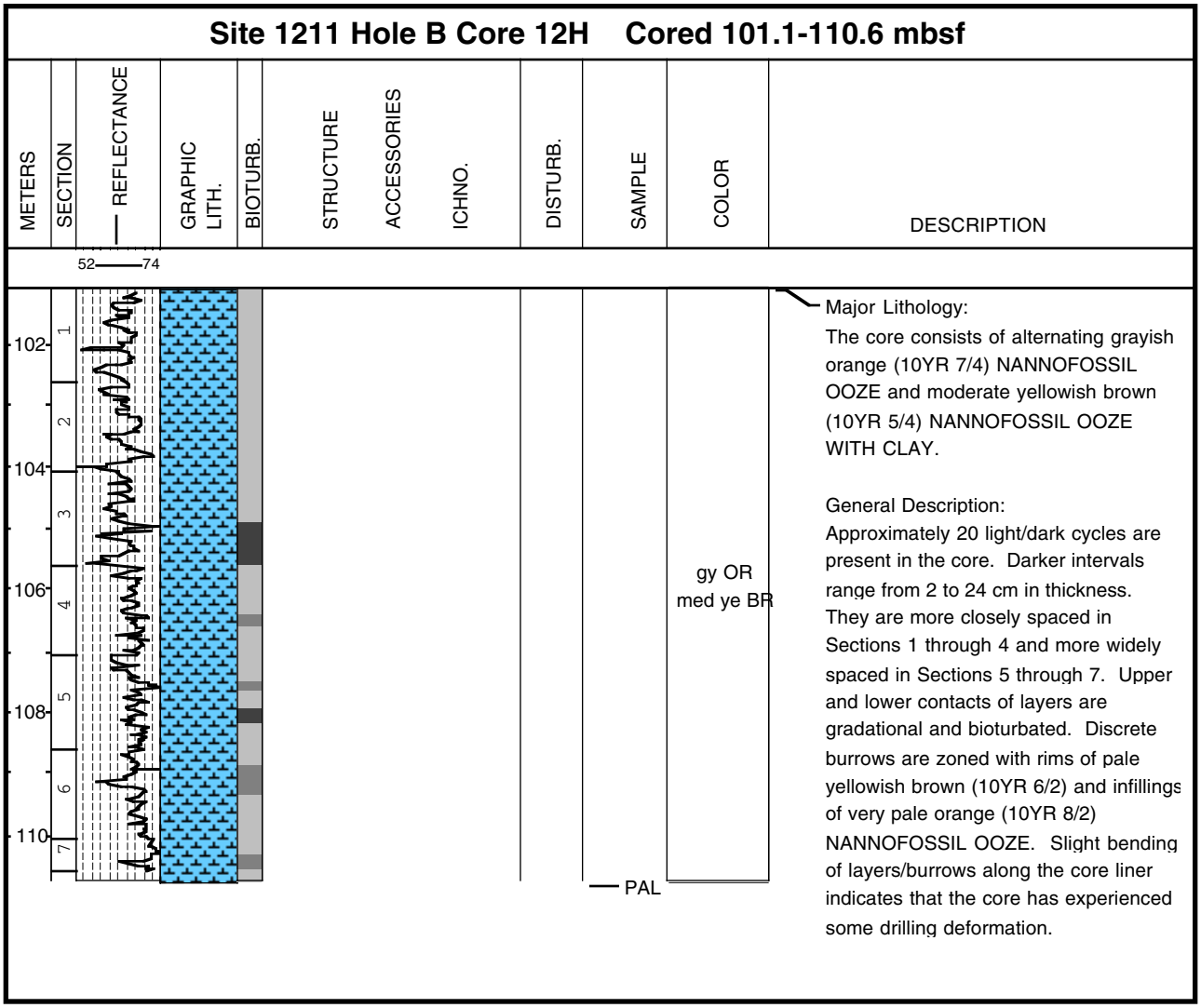

Site 1211 Hole B Core 10H Cored 82.1-91.6 mbsf
METERS
SECTION
REFLECTANCE
49
75
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
84
86
88
90
1
2
3
4
5
6
7
PAL
gy OR
gy OR
med ye BR
gy OR
vpl OR
vpl OR
gy OR
med ye BR
Major Lithology:
The sediment alternates between grayish orange (10YR 7/4) NANNOFOSSIL OOZE, moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY and very pale orange (10YR 8/2) NANNOFOSSIL OOZE.
General Description:
The NANNOFOSSIL OOZE generally occurs in thicker layers (40-130 cm) than the NANNOFOSSIL OOZE WITH CLAY (10-30 cm). Bioturbation is predominantly rare to moderate with some white blebs and mottles. In Section 7, 32-36 cm, a larger round burrow with a dark interior and a pinkish white halo is present.

Core Photo

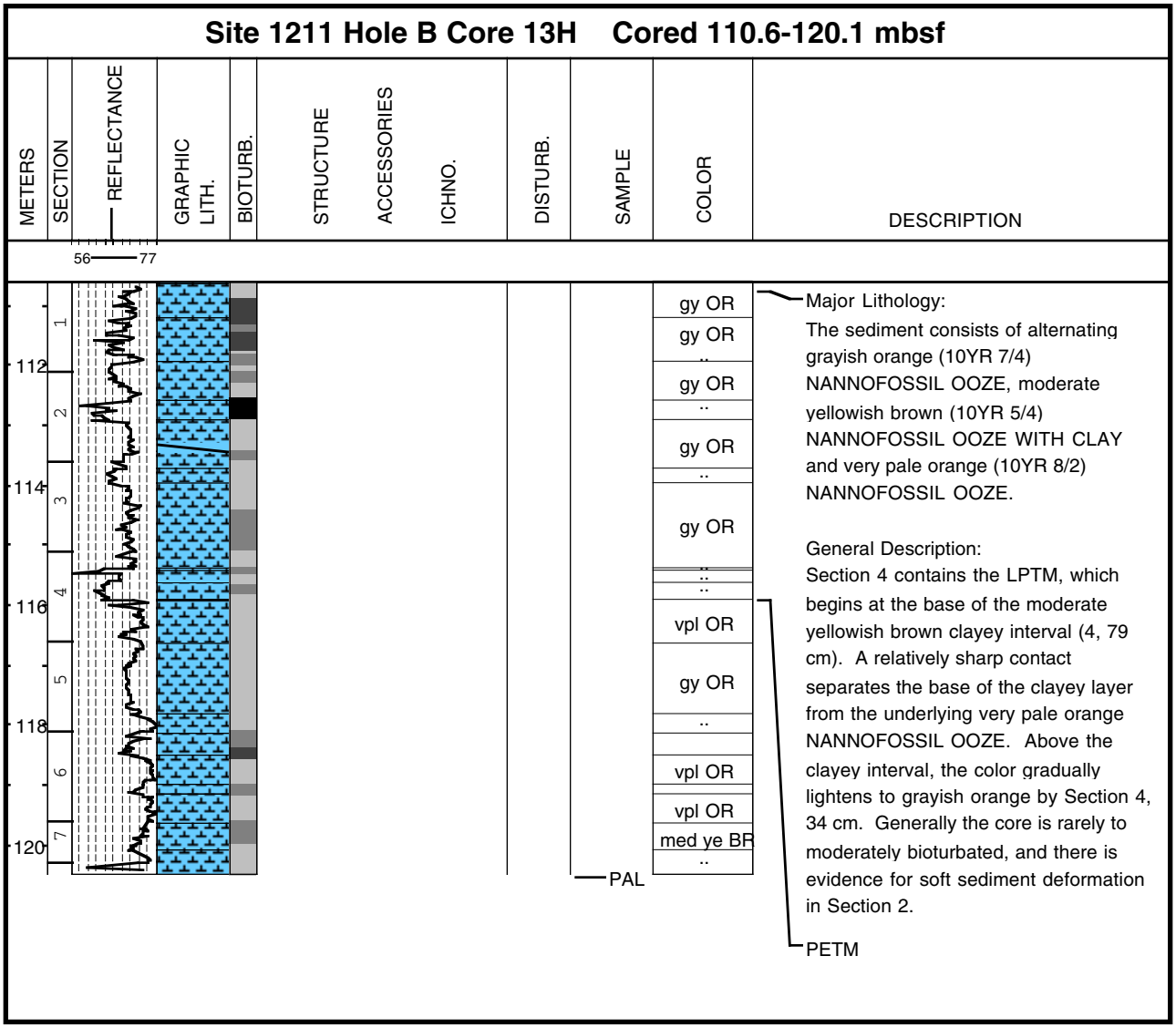

Site 1211 Hole B Core 11H Cored 91.6-101.1 mbsf
METERS
SECTION
REFLECTANCE
49
77
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
92
94
96
98
100
1
2
3
4
5
6
7
gy OR
med ye BR
gy OR
med ye BR
gy OR
gy OR
med ye BR
med ye BR
gy OR
med ye BR
Major Lithology:
The core consists of soft, moderate yellowish brown (10YR 5/4) and grayish orange (10 YR 7/4) NANNOFOSSIL OOZE.
General Description:
The core is homogeneous with subtle light/dark cycles that occur with a frequency of 4 cycles per section. There are rare white blebs/burrows throughout.

Core Photo

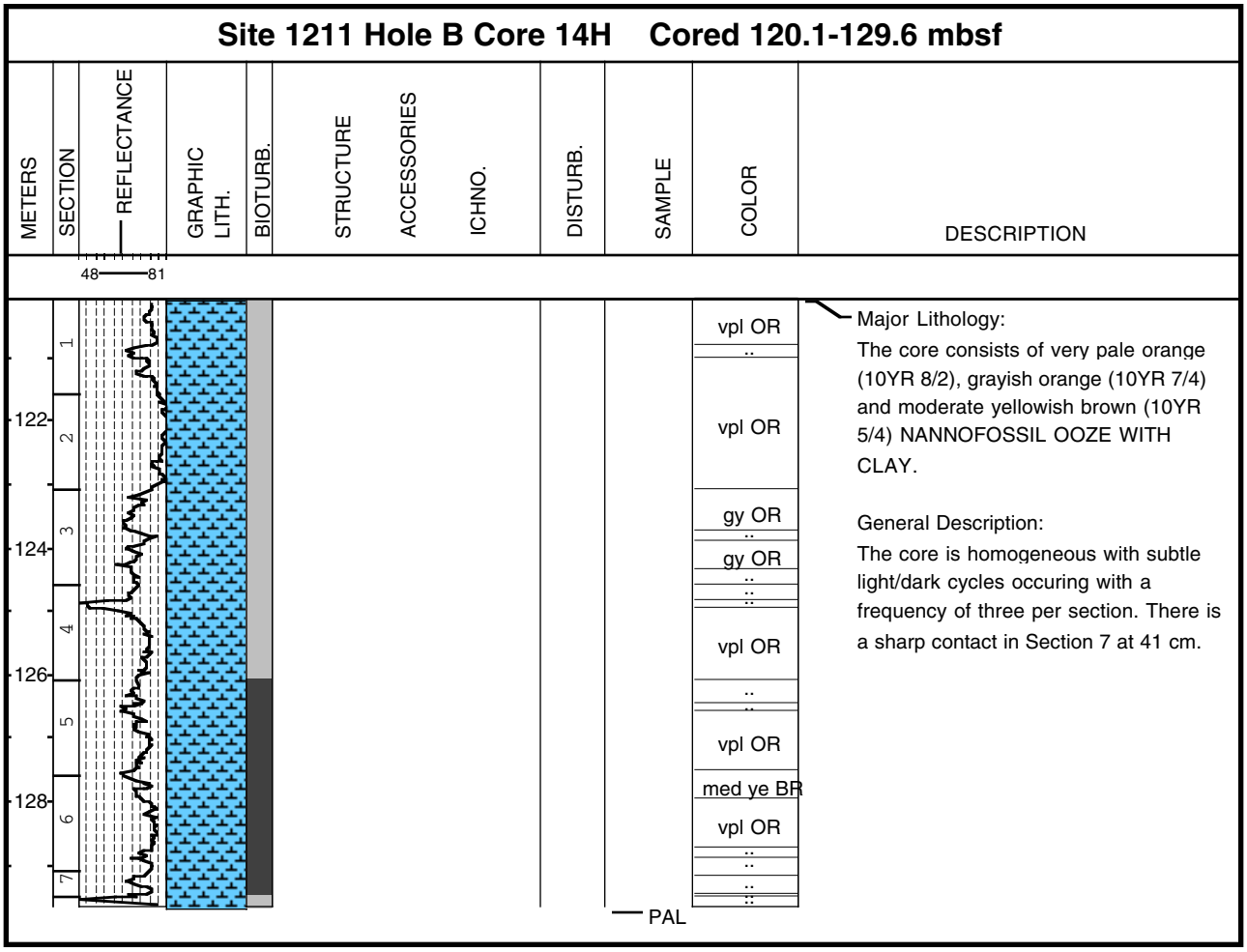
Site 1211 Hole B Core 12H Cored 101.1-110.6 mbsf



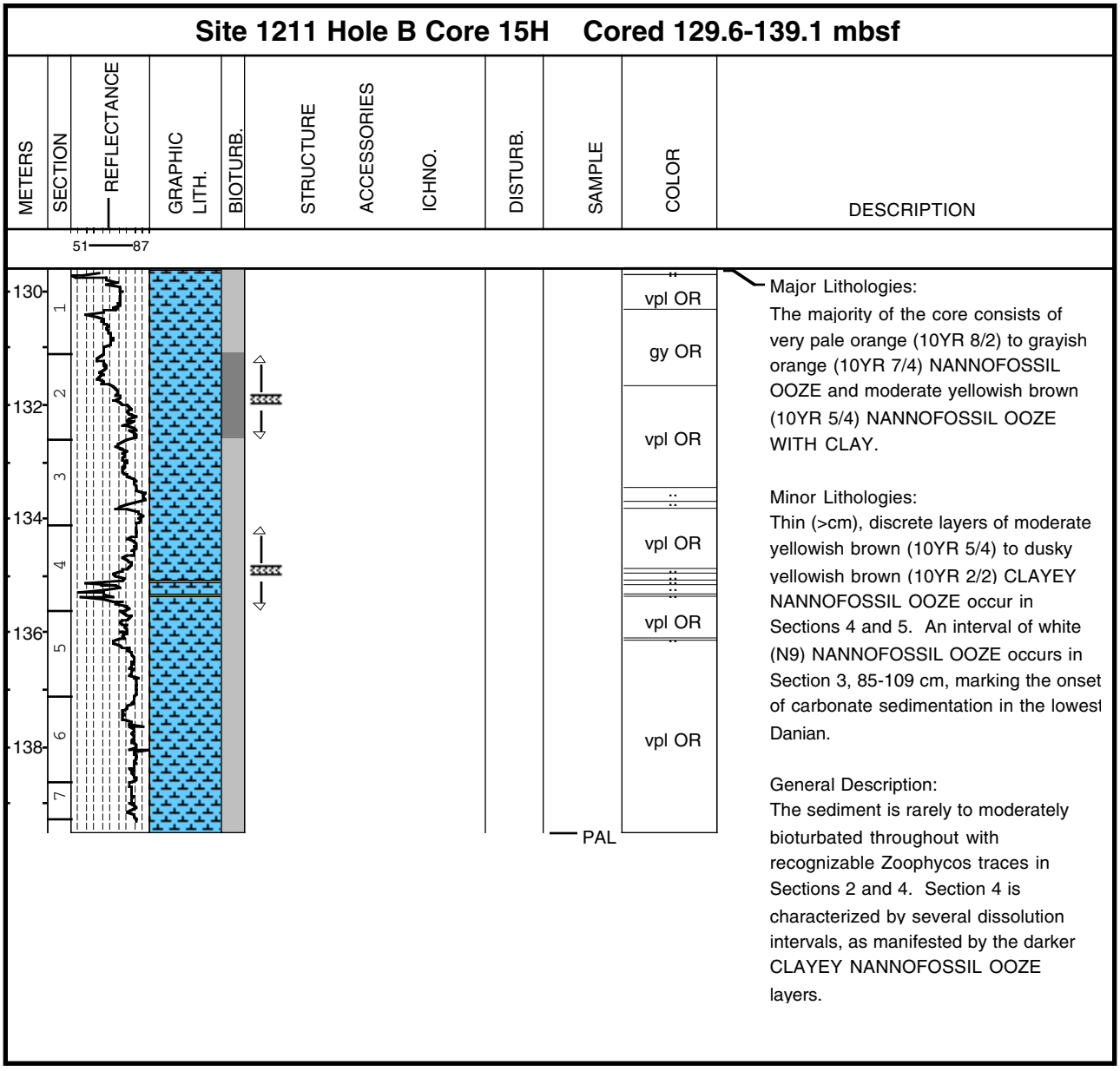
Core Photo


Site 1211 Hole B Core 13H Cored 110.6-120.1 mbsf
METERS
SECTION
REFLECTANCE
56
77
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
112
114
116
118
120
1
2
3
4
5
6
7
gy OR
gy OR
gy OR
gy OR
vpl OR
gy OR
vpl OR
vpl OR
med ye BR
PAL
Major Lithology:
The sediment consists of alternating grayish orange (10YR 7/4) NANNOFOSSIL OOZE, moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY and very pale orange (10YR 8/2) NANNOFOSSIL OOZE.
General Description:
Section 4 contains the LPTM, which begins at the base of the moderate yellowish brown clayey interval (4, 79 cm). A relatively sharp contact separates the base of the clayey layer from the underlying very pale orange NANNOFOSSIL OOZE. Above the clayey interval, the color gradually lightens to grayish orange by Section 4, 34 cm. Generally the core is rarely to moderately bioturbated, and there is evidence for soft sediment deformation in Section 2.
PETM

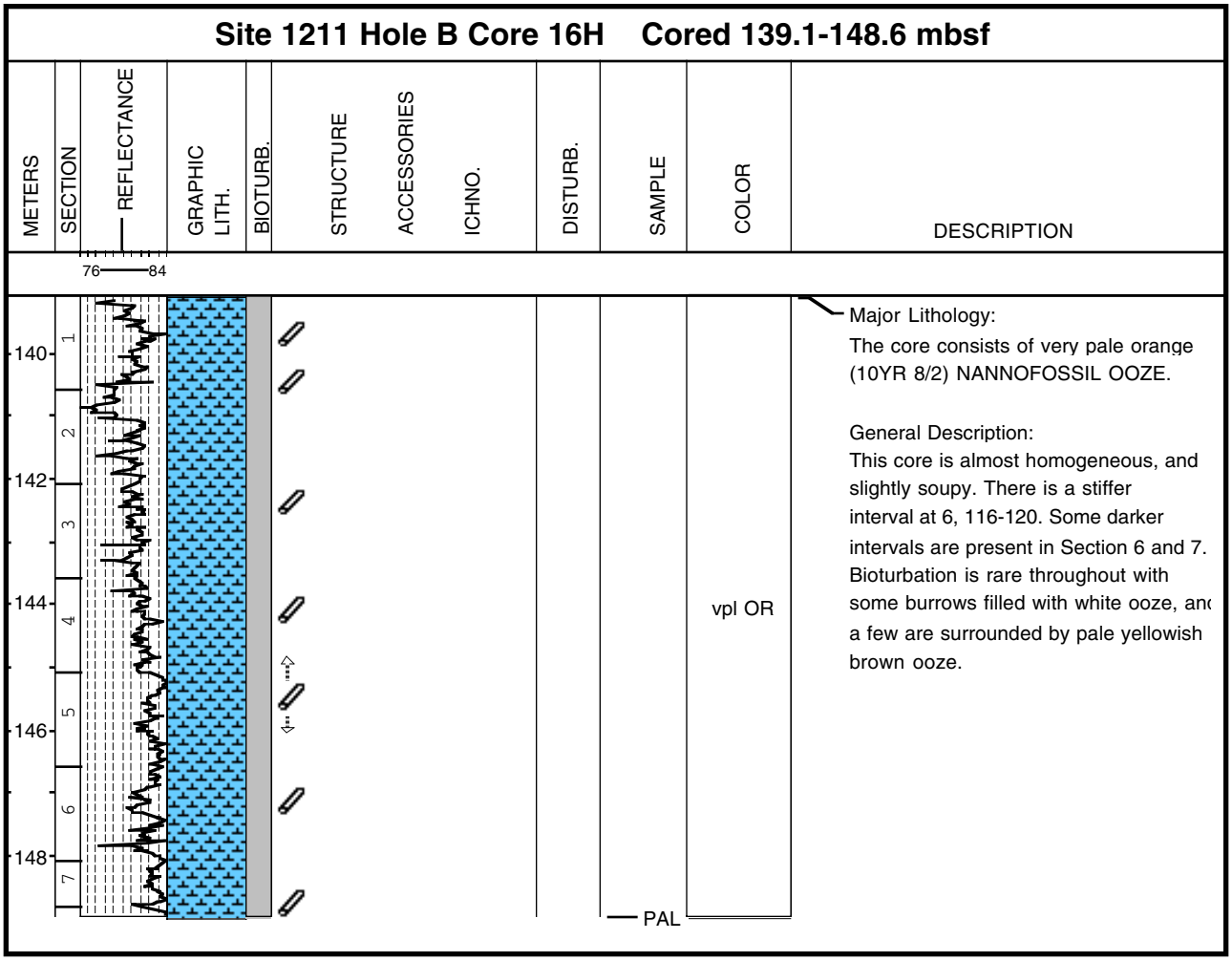
Core Photo


Site 1211 Hole B Core 14H Cored 120.1-129.6 mbsf
METERS
SECTION
REFLECTANCE
48
81
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
122
124
126
128
1
2
3
4
5
6
7
PAL
vpl OR
vpl OR
gy OR
gy OR
vpl OR
vpl OR
med ye BR
vpl OR
Major Lithology:
The core consists of very pale orange (10YR 8/2), grayish orange (10YR 7/4) and moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The core is homogeneous with subtle light/dark cycles occuring with a frequency of three per section. There is a sharp contact in Section 7 at 41 cm.

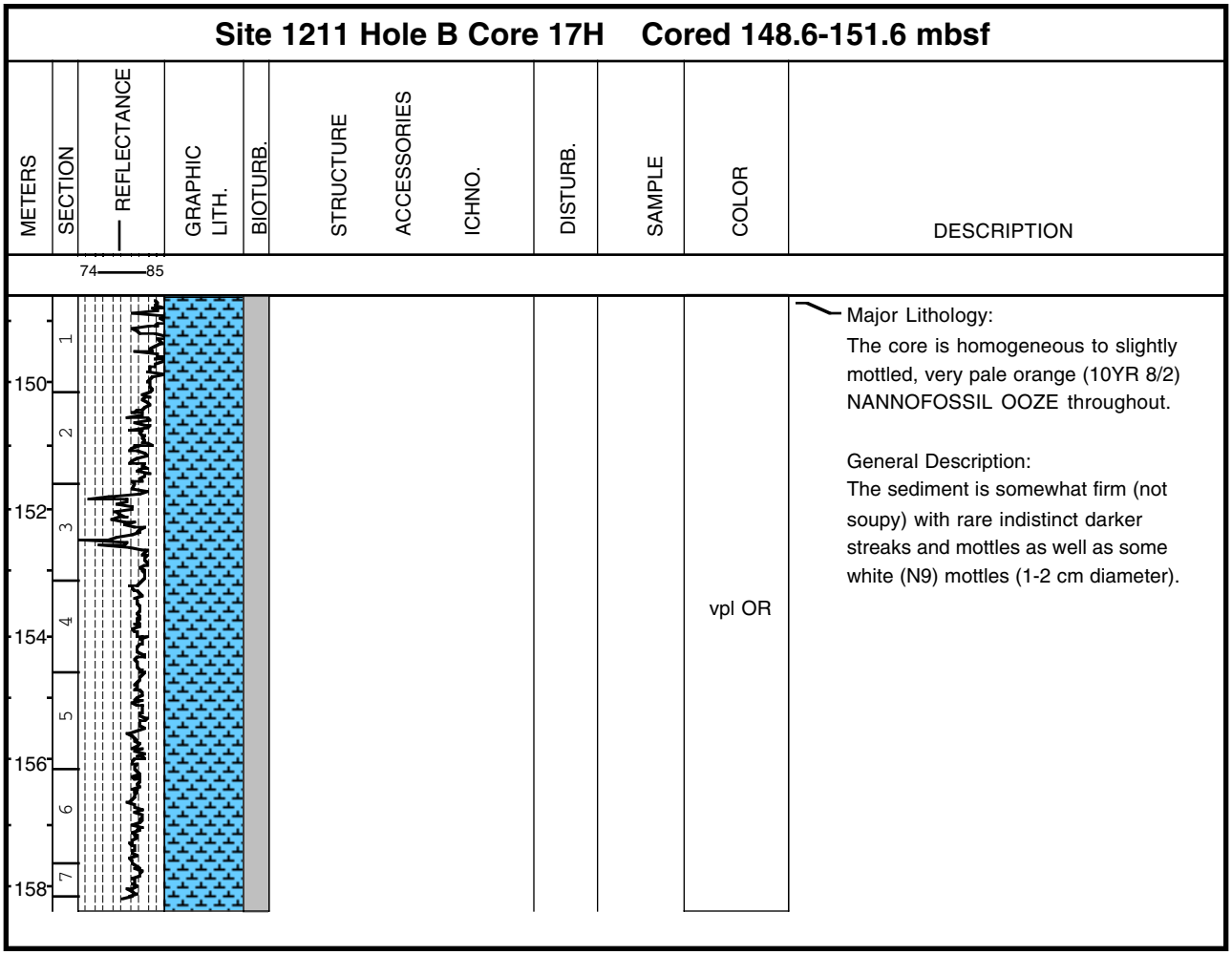
Core Photo


Site 1211 Hole B Core 15H Cored 129.6-139.1 mbsf
METERS
SECTION
REFLECTANCE
51
87
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
130
132
134
136
138
1
2
3
4
5
6
7
PAL
vpl OR
gy OR
vpl OR
vpl OR
vpl OR
vpl OR
Major Lithologies:
The majority of the core consists of very pale orange (10YR 8/2) to grayish orange (10YR 7/4) NANNOFOSSIL OOZE and moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY.
Minor Lithologies:
Thin (>cm), discrete layers of moderate yellowish brown (10YR 5/4) to dusky yellowish brown (10YR 2/2) CLAYEY NANNOFOSSIL OOZE occur in Sections 4 and 5. An interval of white (N9) NANNOFOSSIL OOZE occurs in Section 3, 85-109 cm, marking the onset of carbonate sedimentation in the lowest Danian.
General Description:
The sediment is rarely to moderately bioturbated throughout with recognizable Zoophycos traces in Sections 2 and 4. Section 4 is characterized by several dissolution intervals, as manifested by the darker CLAYEY NANNOFOSSIL OOZE layers.

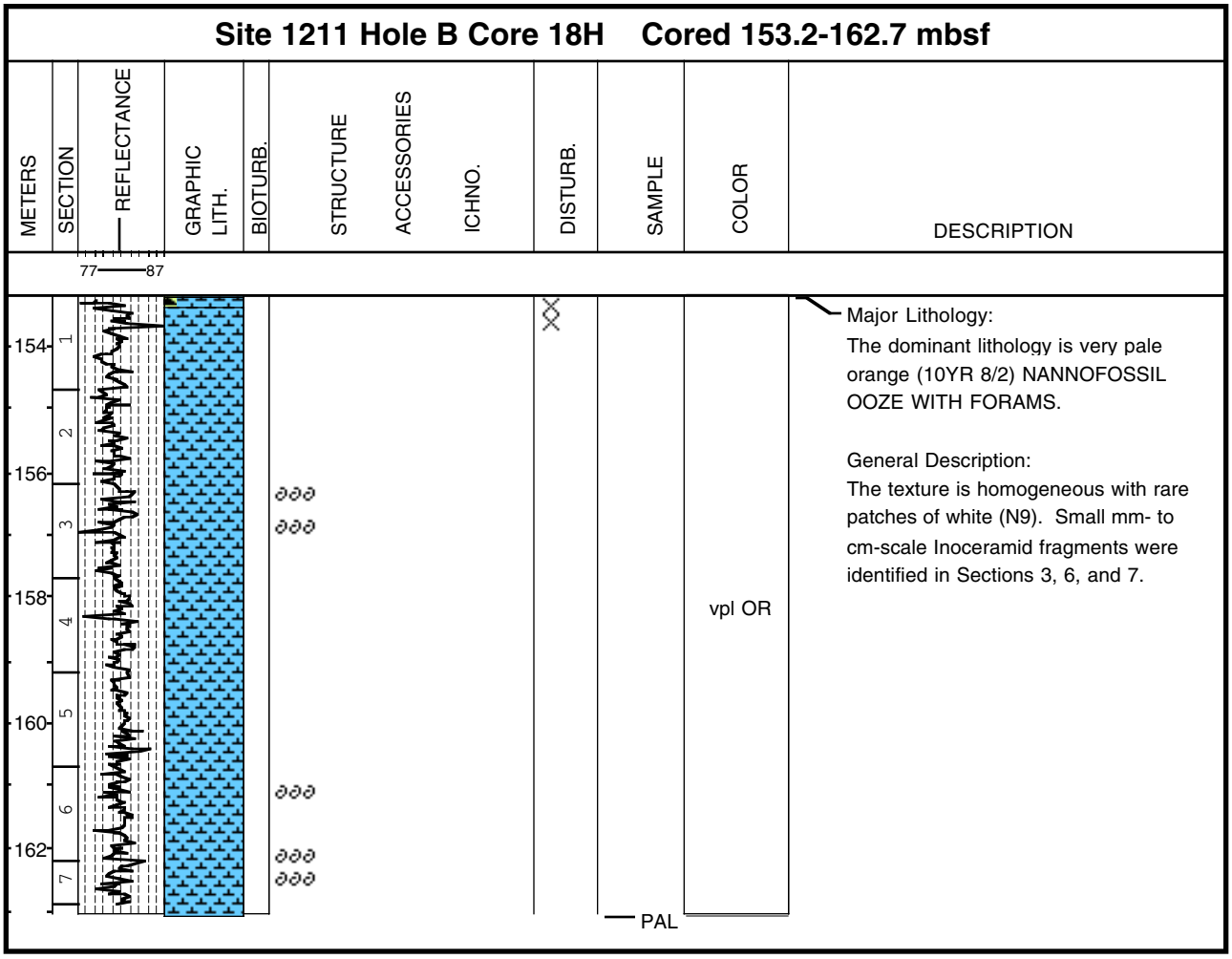
Core Photo


Site 1211 Hole B Core 16H Cored 139.1-148.6 mbsf
METERS
SECTION
REFLECTANCE
76
84
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
140
142
144
146
148
1
2
3
4
5
6
7
PAL
vpl OR
Major Lithology:
The core consists of very pale orange (10YR 8/2) NANNOFOSSIL OOZE.
General Description:
This core is almost homogeneous, and slightly soupy. There is a stiffer interval at 6, 116-120. Some darker intervals are present in Section 6 and 7. Bioturbation is rare throughout with some burrows filled with white ooze, and a few are surrounded by pale yellowish brown ooze.

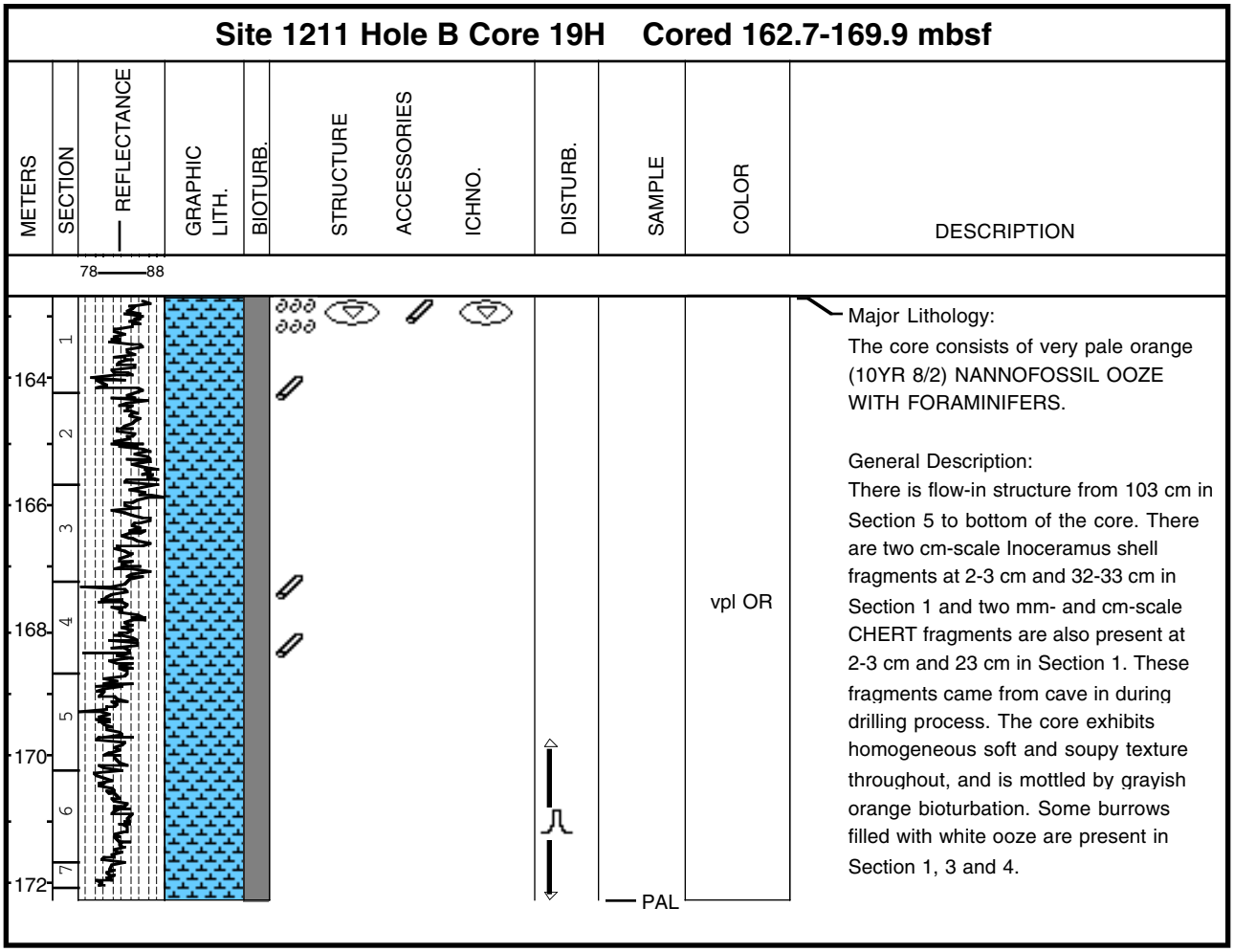
Core Photo


Site 1211 Hole B Core 17H Cored 148.6-151.6 mbsf
METERS
SECTION
REFLECTANCE
74
85
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
150
152
154
156
158
1
2
3
4
5
6
7
vpl OR
Major Lithology:
The core is homogeneous to slightly mottled, very pale orange (10YR 8/2) NANNOFOSSIL OOZE throughout.
General Description:
The sediment is somewhat firm (not soupy) with rare indistinct darker streaks and mottles as well as some white (N9) mottles (1-2 cm diameter).

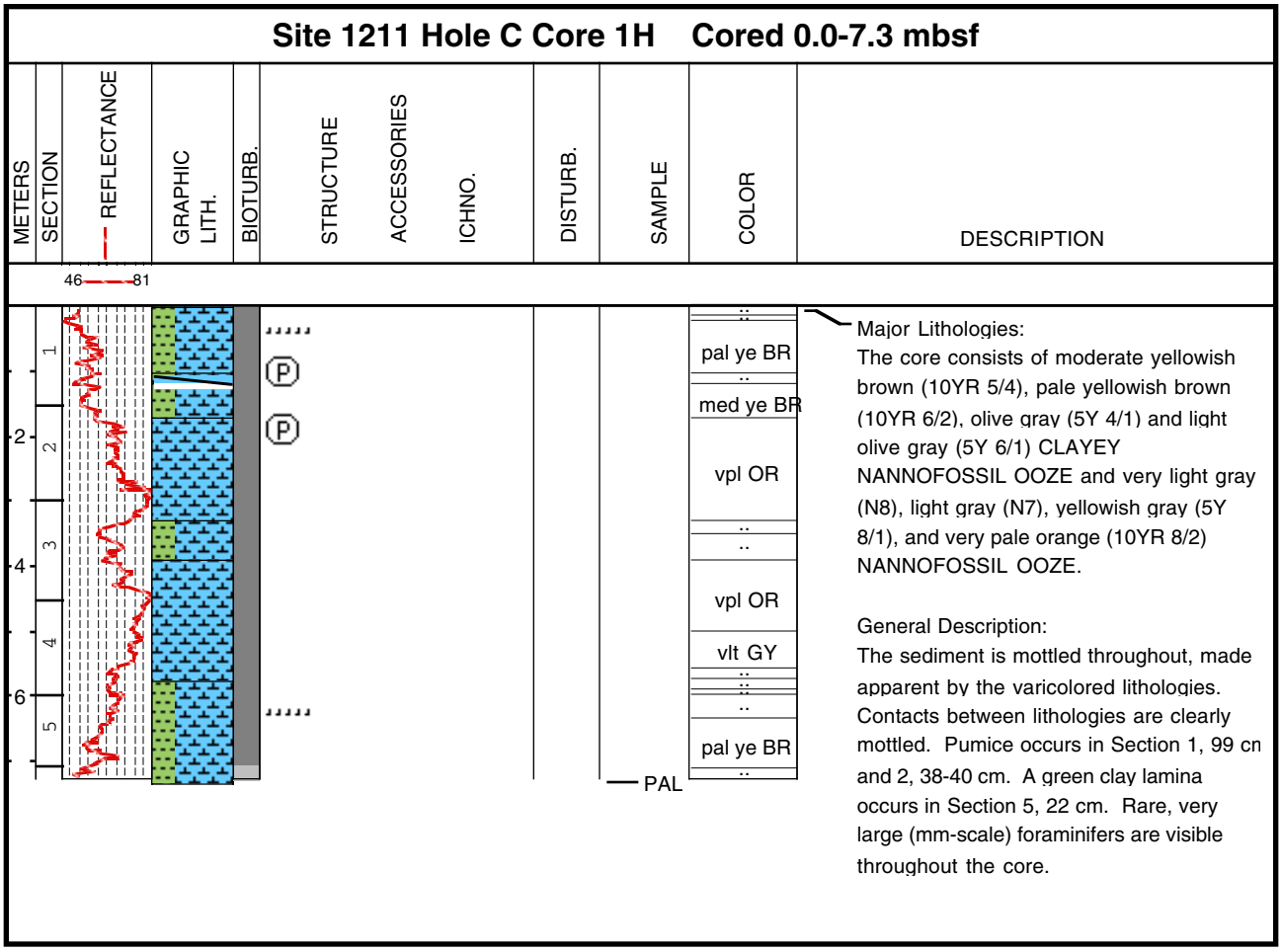
Core Photo


Site 1211 Hole B Core 18H Cored 153.2-162.7 mbsf
METERS
SECTION
REFLECTANCE
77
87
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
154
156
158
160
162
1
2
3
4
5
6
7
vpl OR
PAL
Major Lithology:
The dominant lithology is very pale orange (10YR 8/2) NANNOFOSSIL OOZE WITH FORAMS.
General Description:
The texture is homogeneous with rare patches of white (N9). Small mm- to cm-scale Inoceramid fragments were identified in Sections 3, 6, and 7.

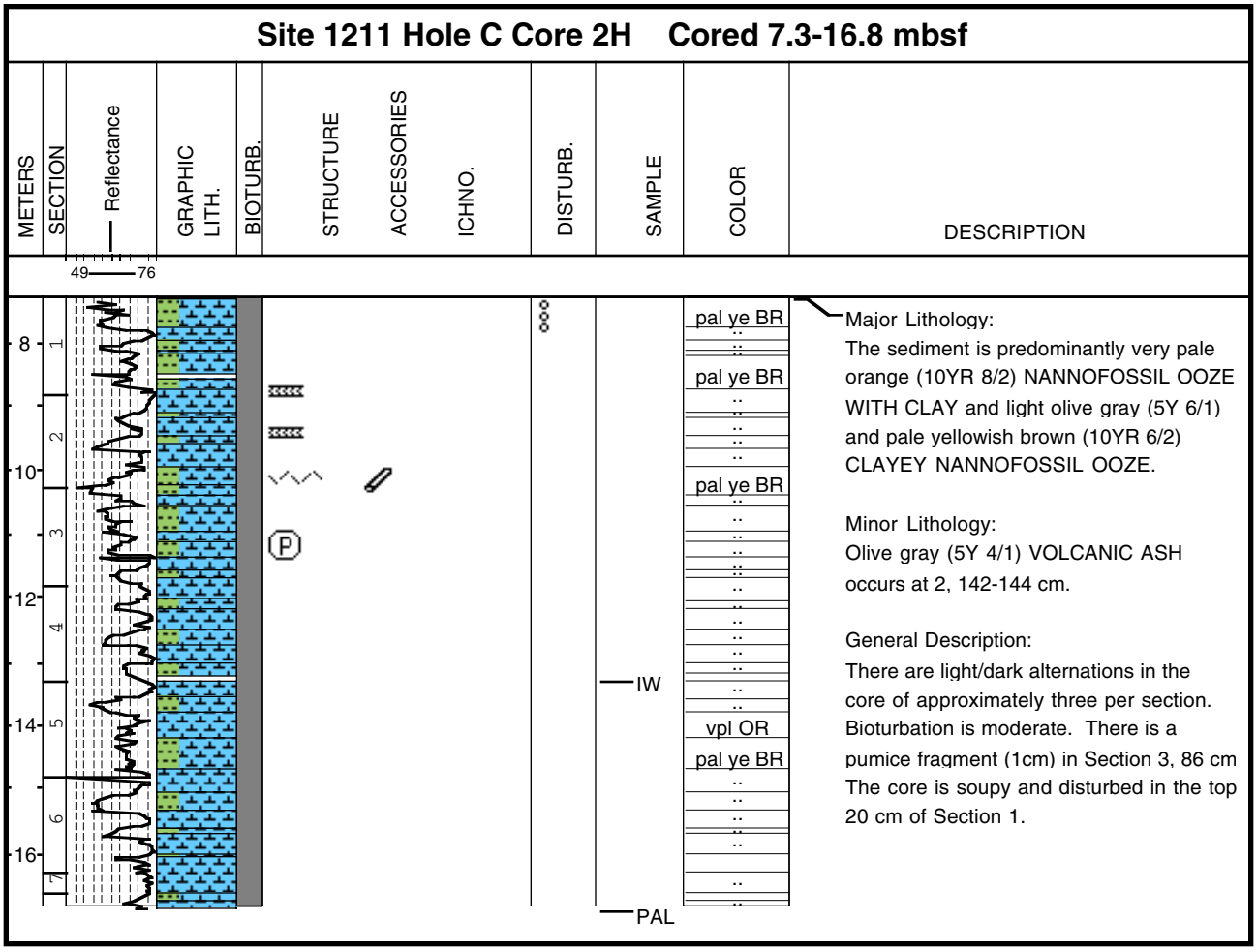
Core Photo


Site 1211 Hole B Core 19H Cored 162.7-169.9 mbsf
METERS
SECTION
REFLECTANCE
78
88
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
164
166
168
170
172
1
2
3
4
5
6
7
vpl OR
PAL
Major Lithology:
The core consists of very pale orange (10YR 8/2) NANNOFOSSIL OOZE WITH FORAMINIFERS.
General Description:
There is flow-in structure from 103 cm in Section 5 to bottom of the core. There are two cm-scale Inoceramus shell fragments at 2-3 cm and 32-33 cm in Section 1 and two mm- and cm-scale CHERT fragments are also present at 2-3 cm and 23 cm in Section 1. These fragments came from cave in during drilling process. The core exhibits homogeneous soft and soupy texture throughout, and is mottled by grayish orange bioturbation. Some burrows filled with white ooze are present in Section 1, 3 and 4.

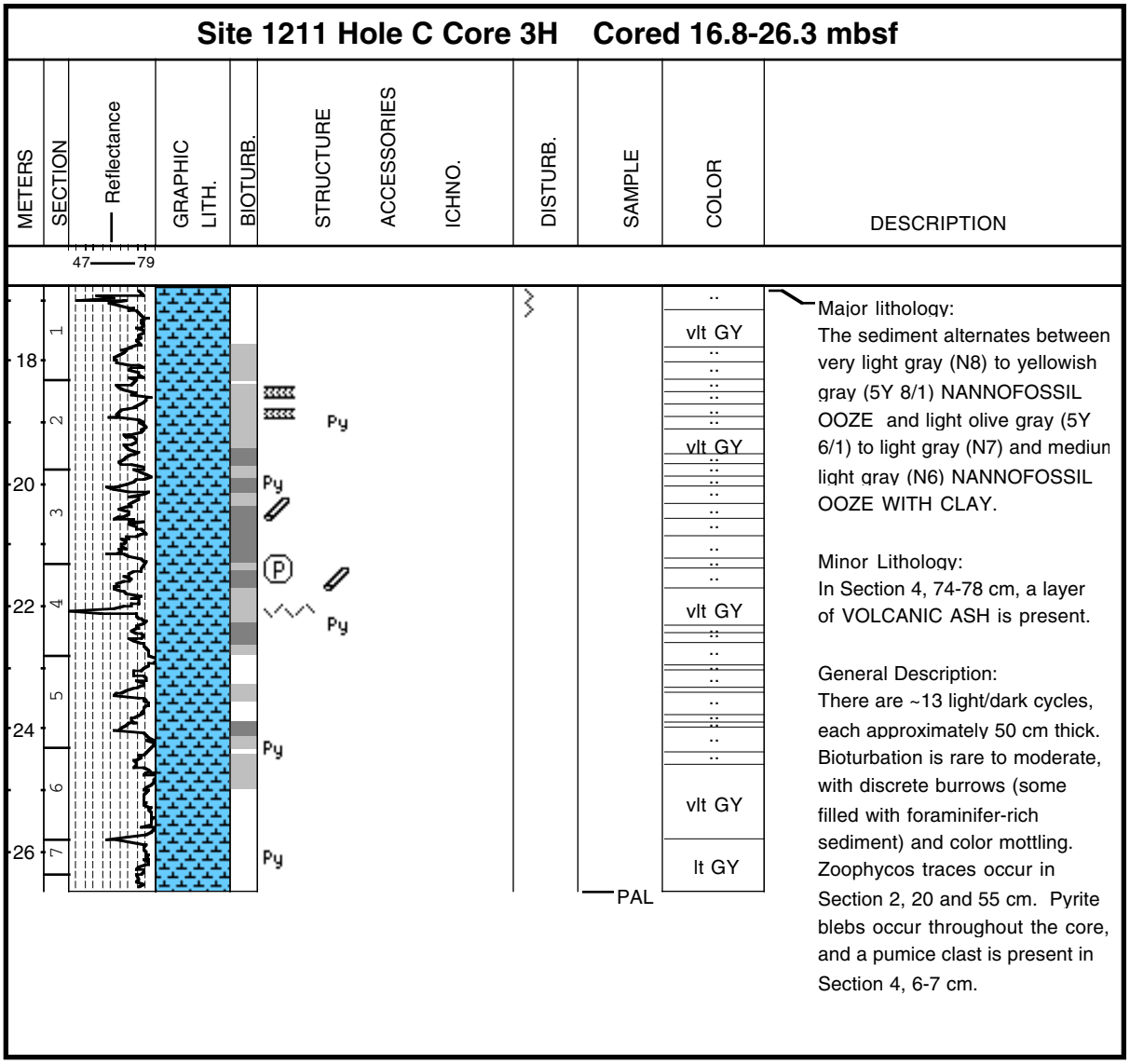
Core Photo


Site 1211 Hole C Core 1H Cored 0.0-7.3 mbsf
METERS
SECTION
REFLECTANCE
46
81
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1
2
3
4
5
2
4
6
P
P
PAL
pal ye BR
med ye BR
vpl OR
vpl OR
vlt GY
pal ye BR
Major Lithologies:
The core consists of moderate yellowish brown (10YR 5/4), pale yellowish brown (10YR 6/2), olive gray (5Y 4/1) and light olive gray (5Y 6/1) CLAYEY NANNOFOSSIL OOZE and very light gray (N8), light gray (N7), yellowish gray (5Y 8/1), and very pale orange (10YR 8/2) NANNOFOSSIL OOZE.
General Description:
The sediment is mottled throughout, made apparent by the varicolored lithologies. Contacts between lithologies are clearly mottled. Pumice occurs in Section 1, 99 cn and 2, 38-40 cm. A green clay lamina occurs in Section 5, 22 cm. Rare, very large (mm-scale) foraminifers are visible throughout the core.

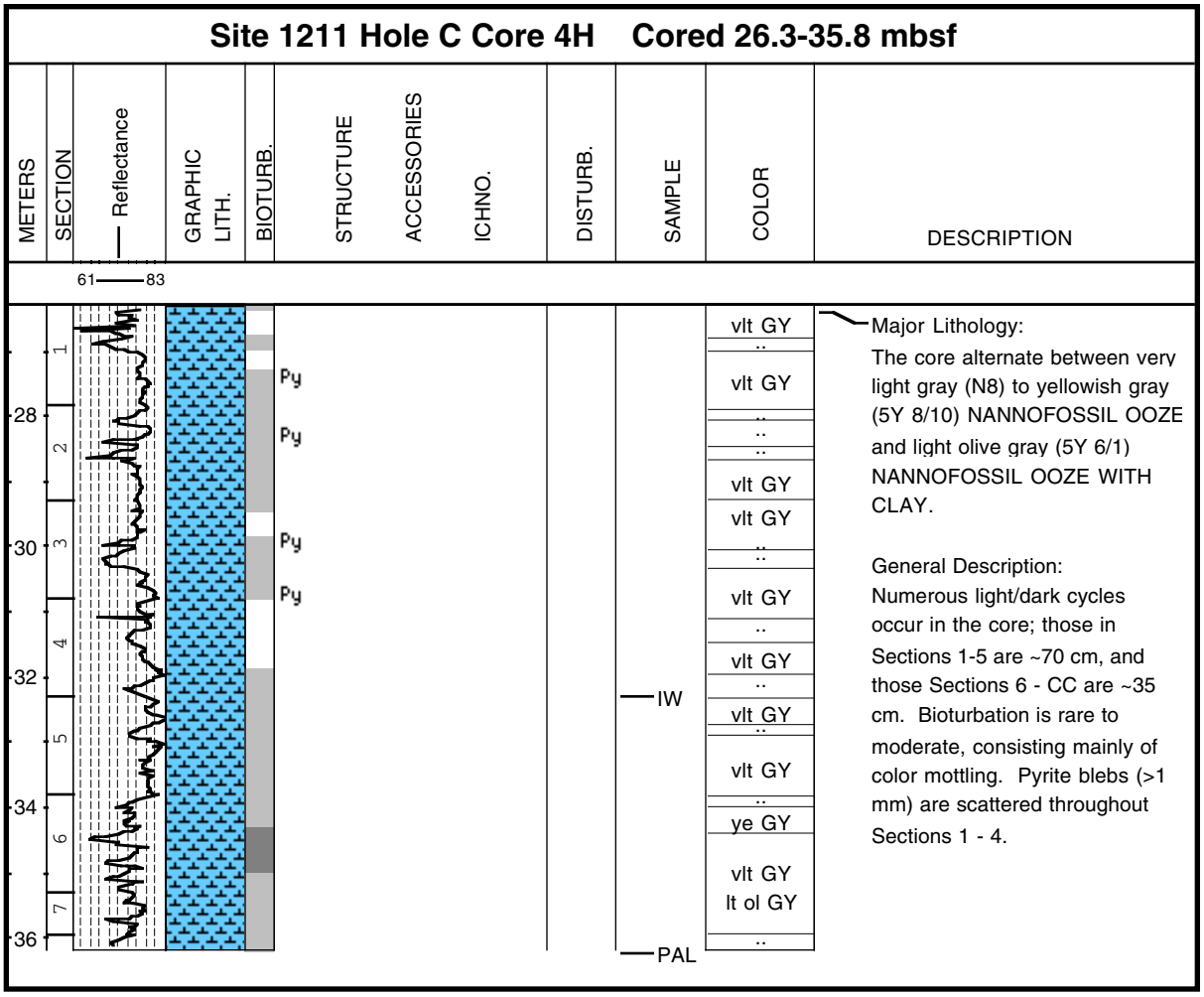
Core Photo


Site 1211 Hole C Core 2H Cored 7.3-16.8 mbsf
METERS
SECTION
Reflectance
49
76
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
8
10
12
14
16
1
2
3
4
5
6
7
P
IW
PAL
pal ye BR
pal ye BR
pal ye BR
vpl OR
pal ye BR
Major Lithology:
The sediment is predominantly very pale orange (10YR 8/2) NANNOFOSSIL OOZE WITH CLAY and light olive gray (5Y 6/1) and pale yellowish brown (10YR 6/2) CLAYEY NANNOFOSSIL OOZE.
Minor Lithology:
Olive gray (5Y 4/1) VOLCANIC ASH occurs at 2, 142-144 cm.
General Description:
There are light/dark alternations in the core of approximately three per section. Bioturbation is moderate. There is a pumice fragment (1cm) in Section 3, 86 cm The core is soupy and disturbed in the top 20 cm of Section 1.

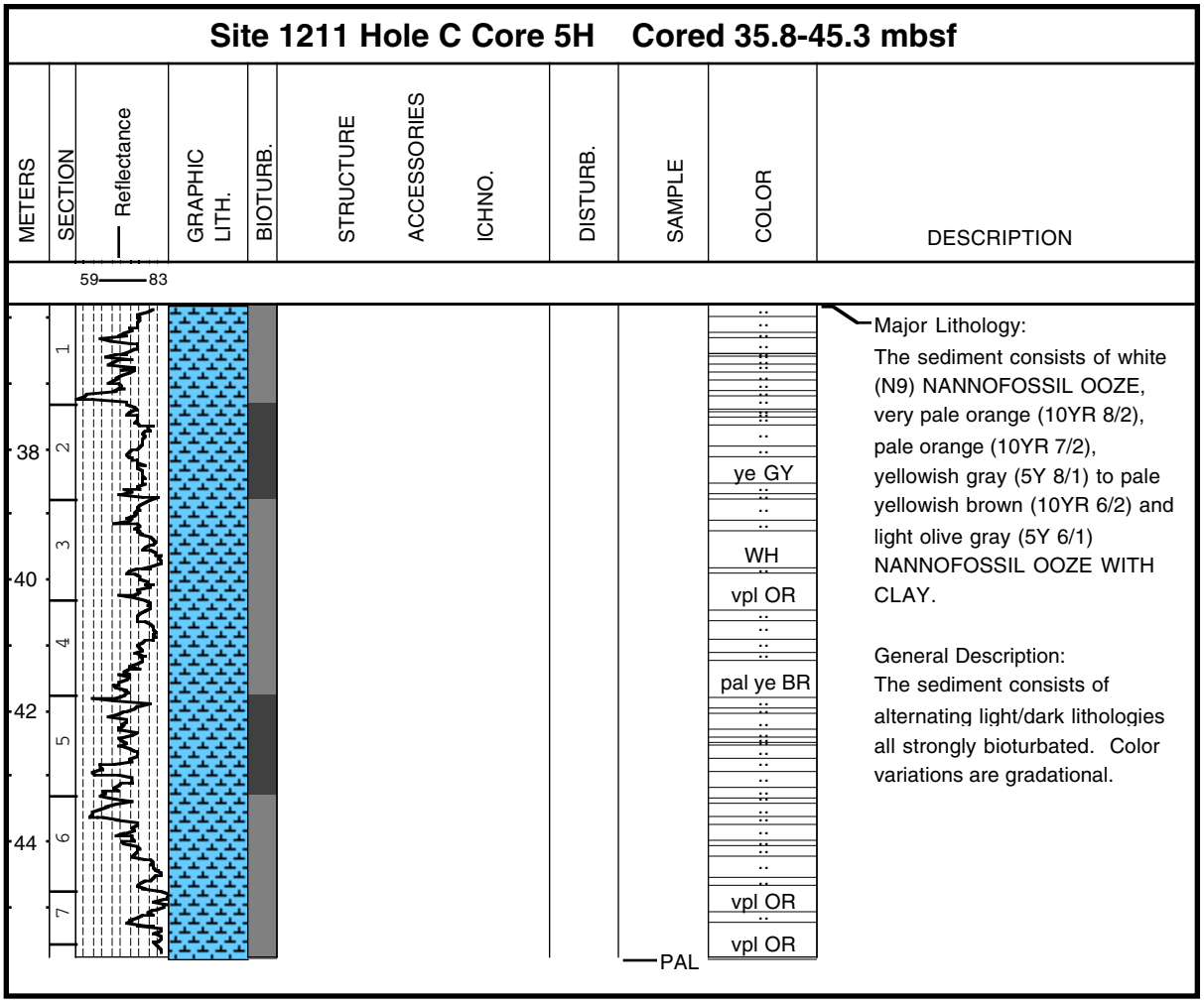
Core Photo


Site 1211 Hole C Core 3H Cored 16.8-26.3 mbsf
METERS
SECTION
Reflectance
47
79
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
18
20
22
24
26
1
2
3
4
5
6
7
Py
Py
P
Py
Py
PAL
vlt GY
vlt GY
vlt GY
vlt GY
lt GY
Major lithology:
The sediment alternates between very light gray (N8) to yellowish gray (5Y 8/1) NANNOFOSSIL OOZE and light olive gray (5Y 6/1) to light gray (N7) and mediun light gray (N6) NANNOFOSSIL OOZE WITH CLAY.
Minor Lithology:
In Section 4, 74-78 cm, a layer of VOLCANIC ASH is present.
General Description:
There are ~13 light/dark cycles, each approximately 50 cm thick. Bioturbation is rare to moderate, with discrete burrows (some filled with foraminifer-rich sediment) and color mottling. Zoophycos traces occur in Section 2, 20 and 55 cm. Pyrite blebs occur throughout the core, and a pumice clast is present in Section 4, 6-7 cm.

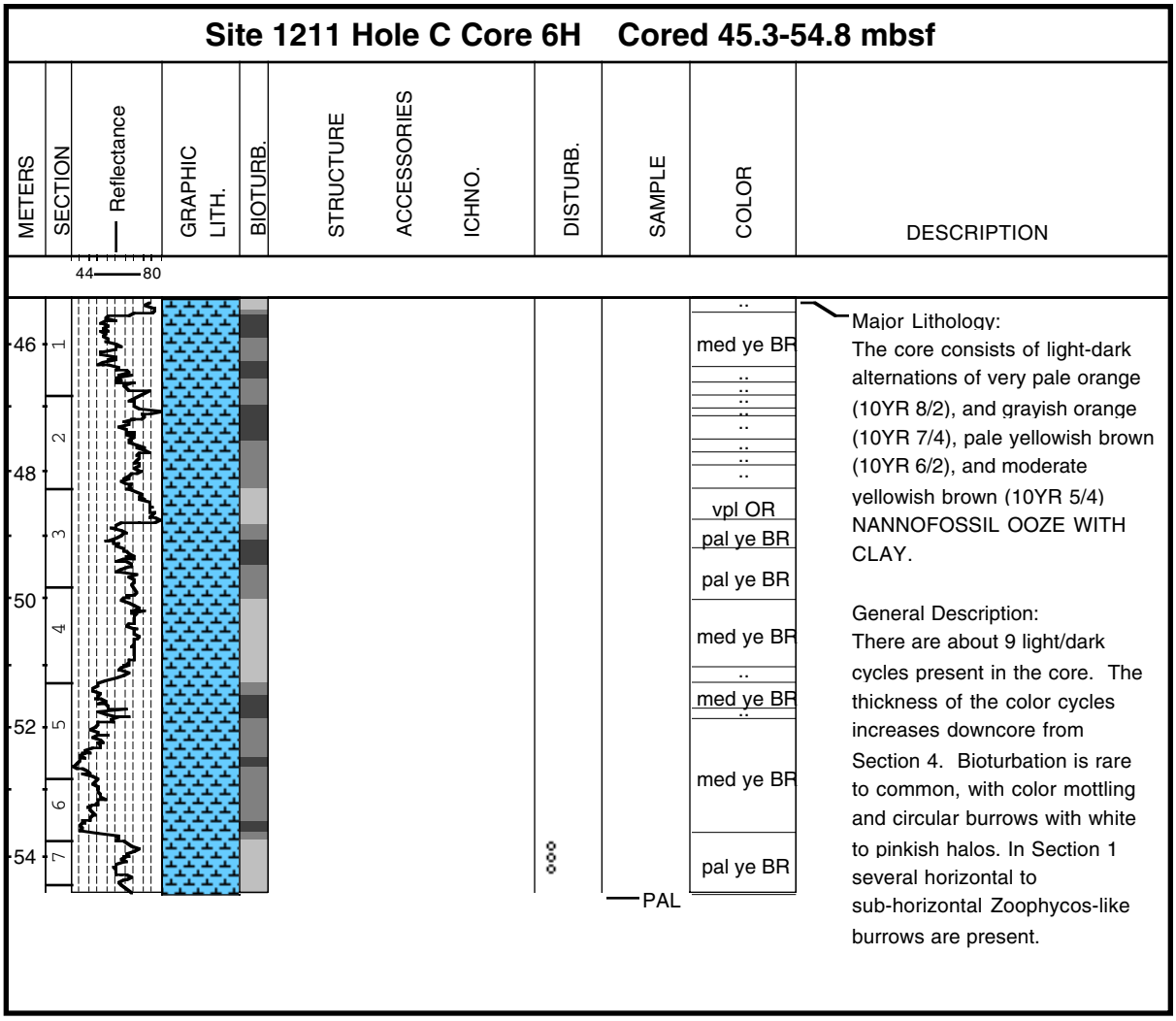
Core Photo


Site 1211 Hole C Core 4H Cored 26.3-35.8 mbsf
METERS
SECTION
Reflectance
61
83
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
28
30
32
34
36
1
2
3
4
5
6
7
Py
Py
Py
Py
IW
PAL
vlt GY
vlt GY
vlt GY
vlt GY
vlt GY
vlt GY
vlt GY
vlt GY
ye GY
vlt GY
lt ol GY
Major Lithology:
The core alternate between very light gray (N8) to yellowish gray (5Y 8/10) NANNOFOSSIL OOZE and light olive gray (5Y 6/1) NANNOFOSSIL OOZE WITH CLAY.
General Description:
Numerous light/dark cycles occur in the core; those in Sections 1-5 are ~70 cm, and those Sections 6 - CC are ~35 cm. Bioturbation is rare to moderate, consisting mainly of color mottling. Pyrite blebs (>1 mm) are scattered throughout Sections 1 - 4.

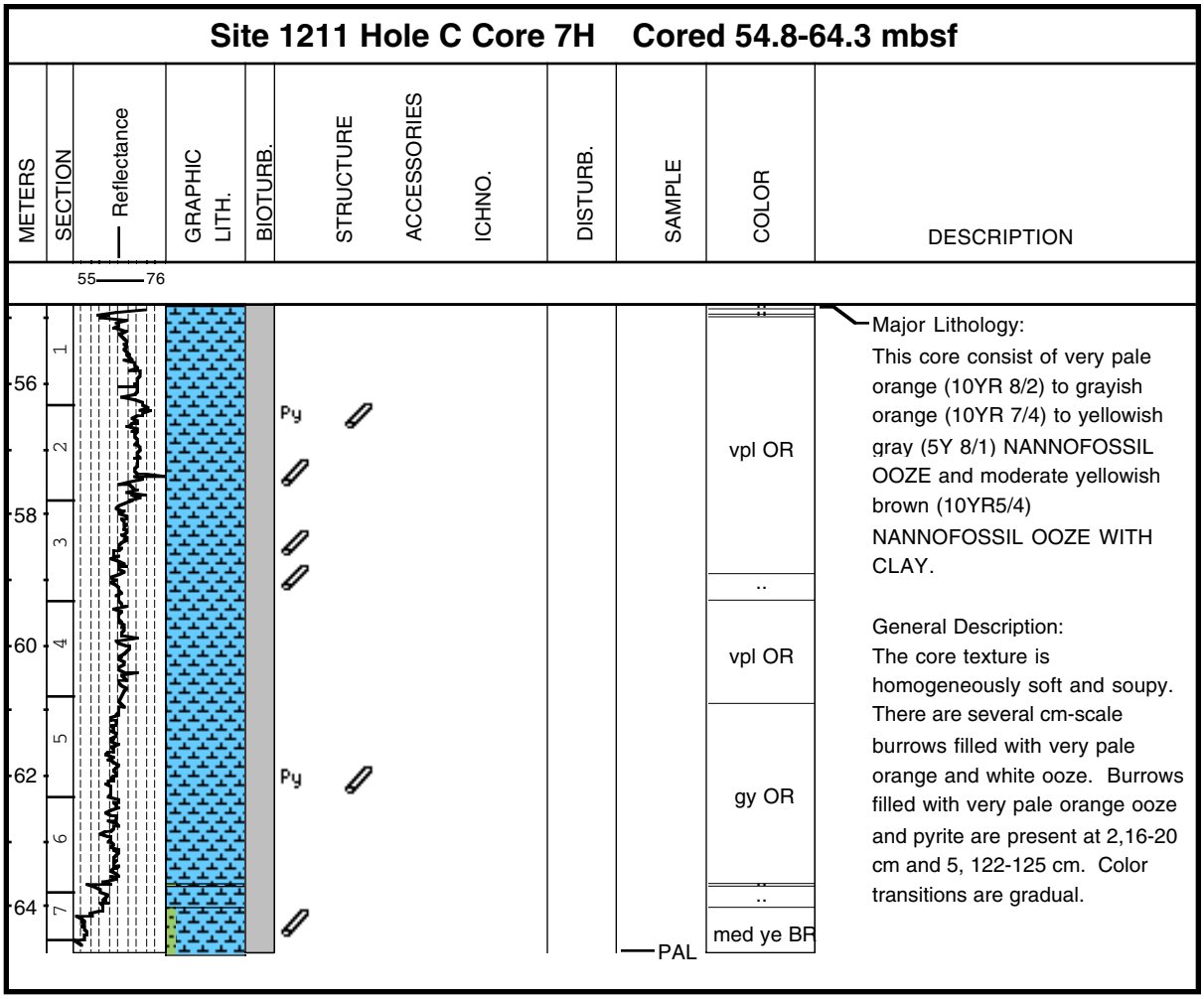
Core Photo


Site 1211 Hole C Core 5H Cored 35.8-45.3 mbsf
METERS
SECTION
Reflectance
59
83
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
38
40
42
44
1
2
3
4
5
6
7
ye GY
WH
vpl OR
pal ye BR
vpl OR
vpl OR
PAL
Major Lithology:
The sediment consists of white (N9) NANNOFOSSIL OOZE, very pale orange (10YR 8/2), pale orange (10YR 7/2), yellowish gray (5Y 8/1) to pale yellowish brown (10YR 6/2) and light olive gray (5Y 6/1) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The sediment consists of alternating light/dark lithologies all strongly bioturbated. Color variations are gradational.

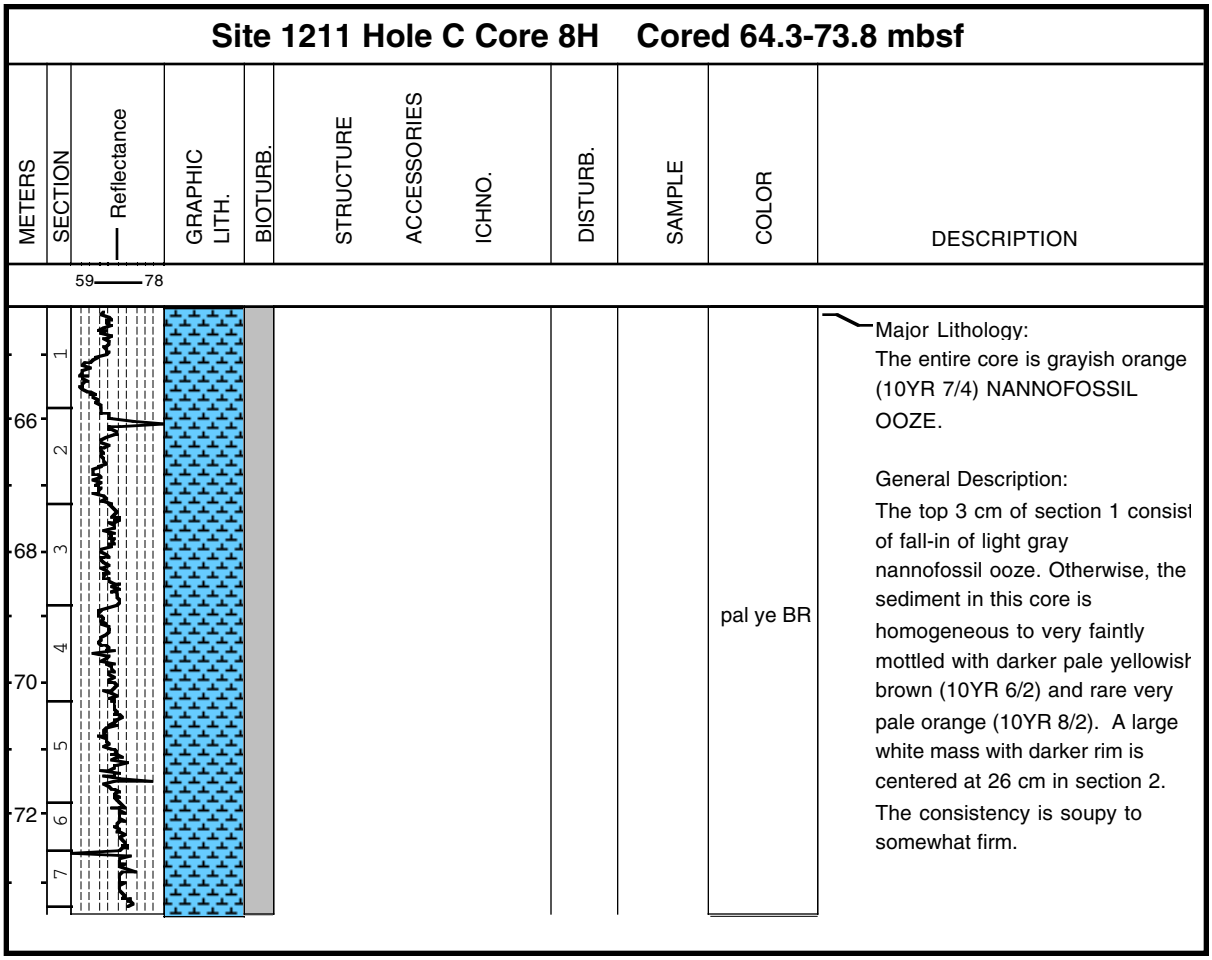
Core Photo


Site 1211 Hole C Core 6H Cored 45.3-54.8 mbsf
METERS
SECTION
Reflectance
44
80
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
46
48
50
52
54
1
2
3
4
5
6
7
PAL
med ye BR
vpl OR
pal ye BR
pal ye BR
med ye BR
med ye BR
med ye BR
pal ye BR
Major Lithology:
The core consists of light-dark alternations of very pale orange (10YR 8/2), and grayish orange (10YR 7/4), pale yellowish brown (10YR 6/2), and moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
There are about 9 light/dark cycles present in the core. The thickness of the color cycles increases downcore from Section 4. Bioturbation is rare to common, with color mottling and circular burrows with white to pinkish halos. In Section 1 several horizontal to sub-horizontal Zoophycos-like burrows are present.

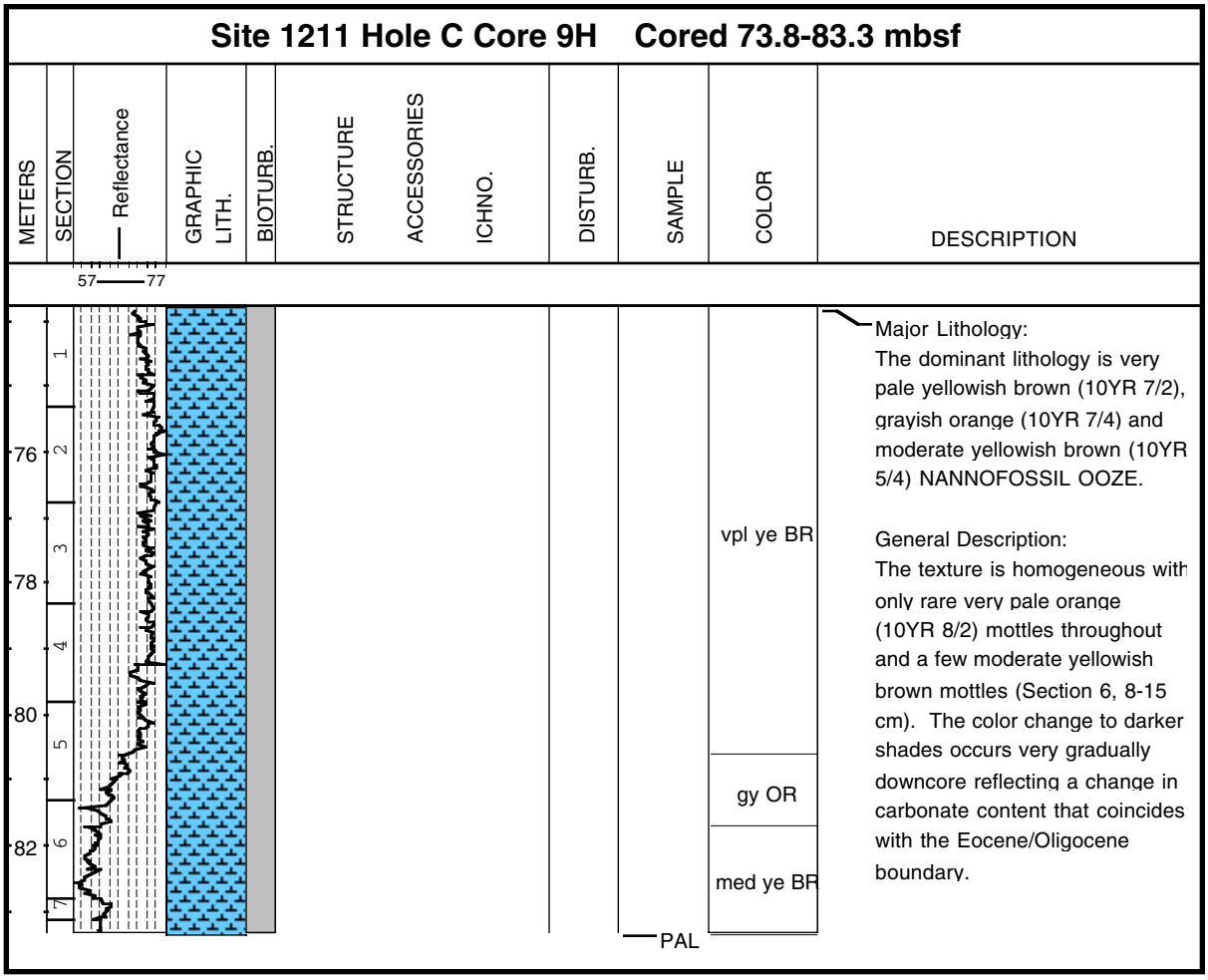
Core Photo


Site 1211 Hole C Core 7H Cored 54.8-64.3 mbsf
METERS
SECTION
Reflectance
55
76
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
56
58
60
62
64
1
2
3
4
5
6
7
Py
Py
PAL
vpl OR
vpl OR
gy OR
med ye BR
Major Lithology:
This core consist of very pale orange (10YR 8/2) to grayish orange (10YR 7/4) to yellowish gray (5Y 8/1) NANNOFOSSIL OOZE and moderate yellowish brown (10YR5/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The core texture is homogeneously soft and soupy. There are several cm-scale burrows filled with very pale orange and white ooze. Burrows filled with very pale orange ooze and pyrite are present at 2,16-20 cm and 5, 122-125 cm. Color transitions are gradual.

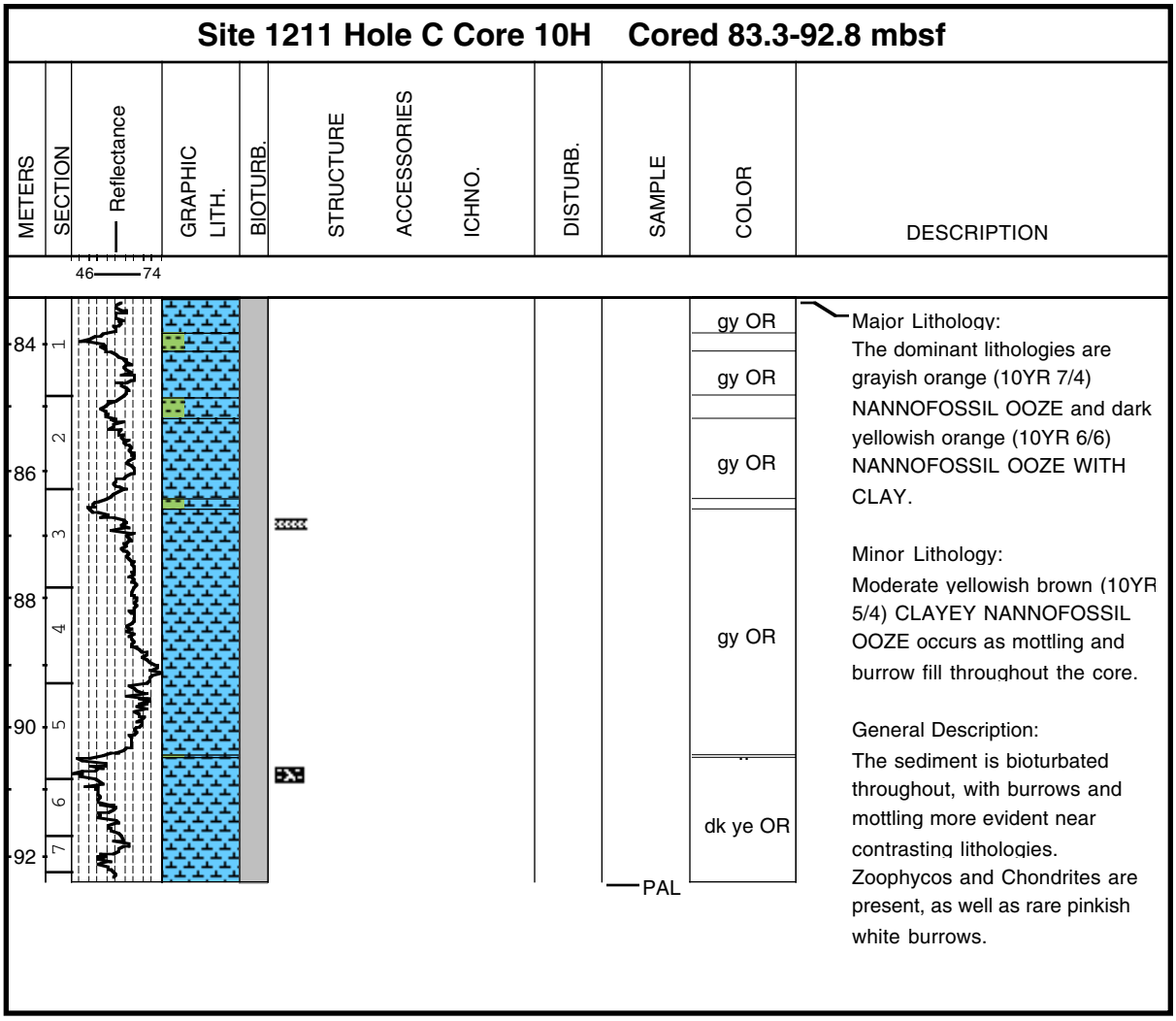
Core Photo


Site 1211 Hole C Core 8H Cored 64.3-73.8 mbsf
METERS
SECTION
Reflectance
59
78
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
66
68
70
72
1
2
3
4
5
6
7
pal ye BR
Major Lithology:
The entire core is grayish orange (10YR 7/4) NANNOFOSSIL OOZE.
General Description:
The top 3 cm of section 1 consist of fall-in of light gray nannofossil ooze. Otherwise, the sediment in this core is homogeneous to very faintly mottled with darker pale yellowish brown (10YR 6/2) and rare very pale orange (10YR 8/2). A large white mass with darker rim is centered at 26 cm in section 2. The consistency is soupy to somewhat firm.

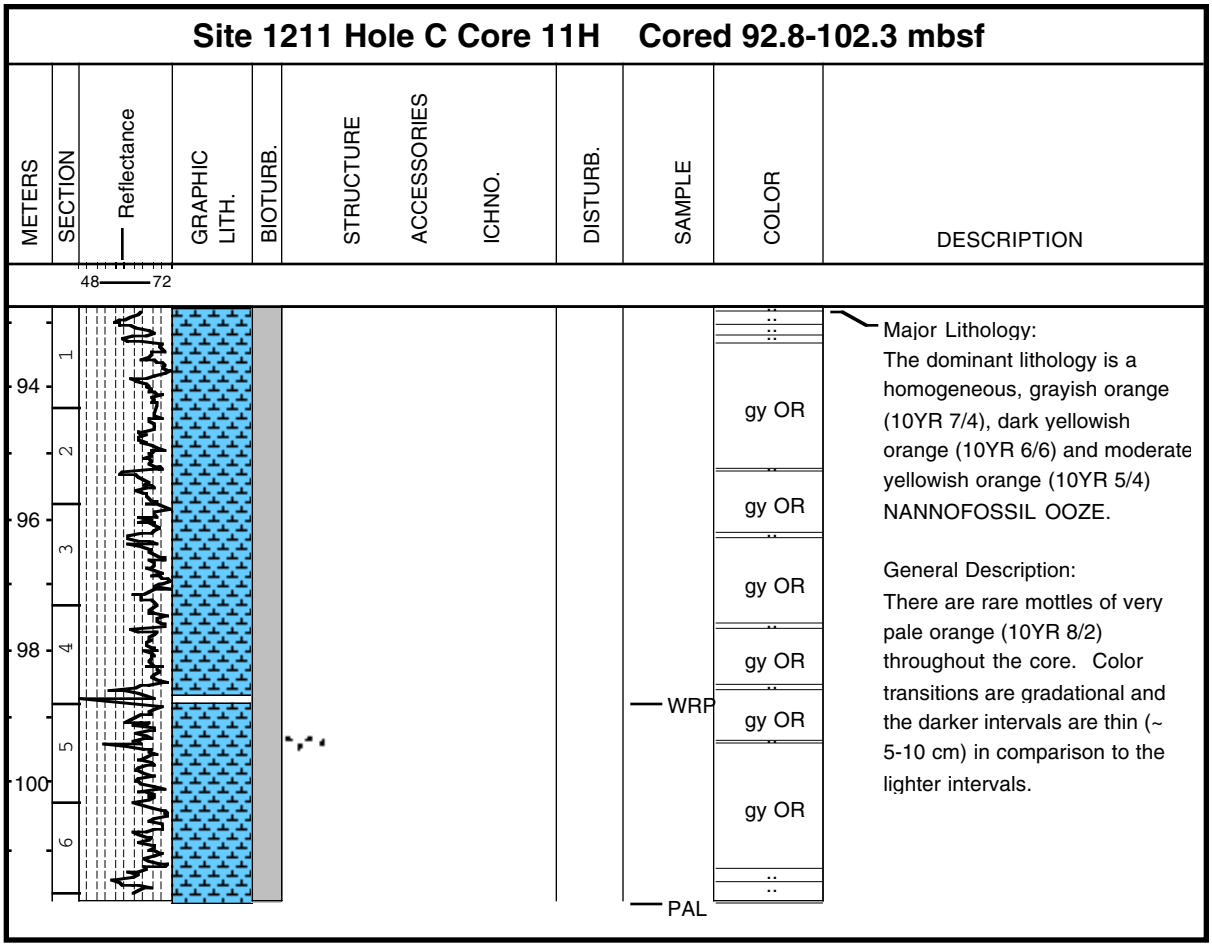
Core Photo


Site 1211 Hole C Core 9H Cored 73.8-83.3 mbsf
METERS
SECTION
Reflectance
57
77
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
76
78
80
82
1
2
3
4
5
6
7
PAL
vpl ye BR
gy OR
med ye BR
Major Lithology:
The dominant lithology is very pale yellowish brown (10YR 7/2), grayish orange (10YR 7/4) and moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE.
General Description:
The texture is homogeneous with only rare very pale orange (10YR 8/2) mottles throughout and a few moderate yellowish brown mottles (Section 6, 8-15 cm). The color change to darker shades occurs very gradually downcore reflecting a change in carbonate content that coincides with the Eocene/Oligocene boundary.

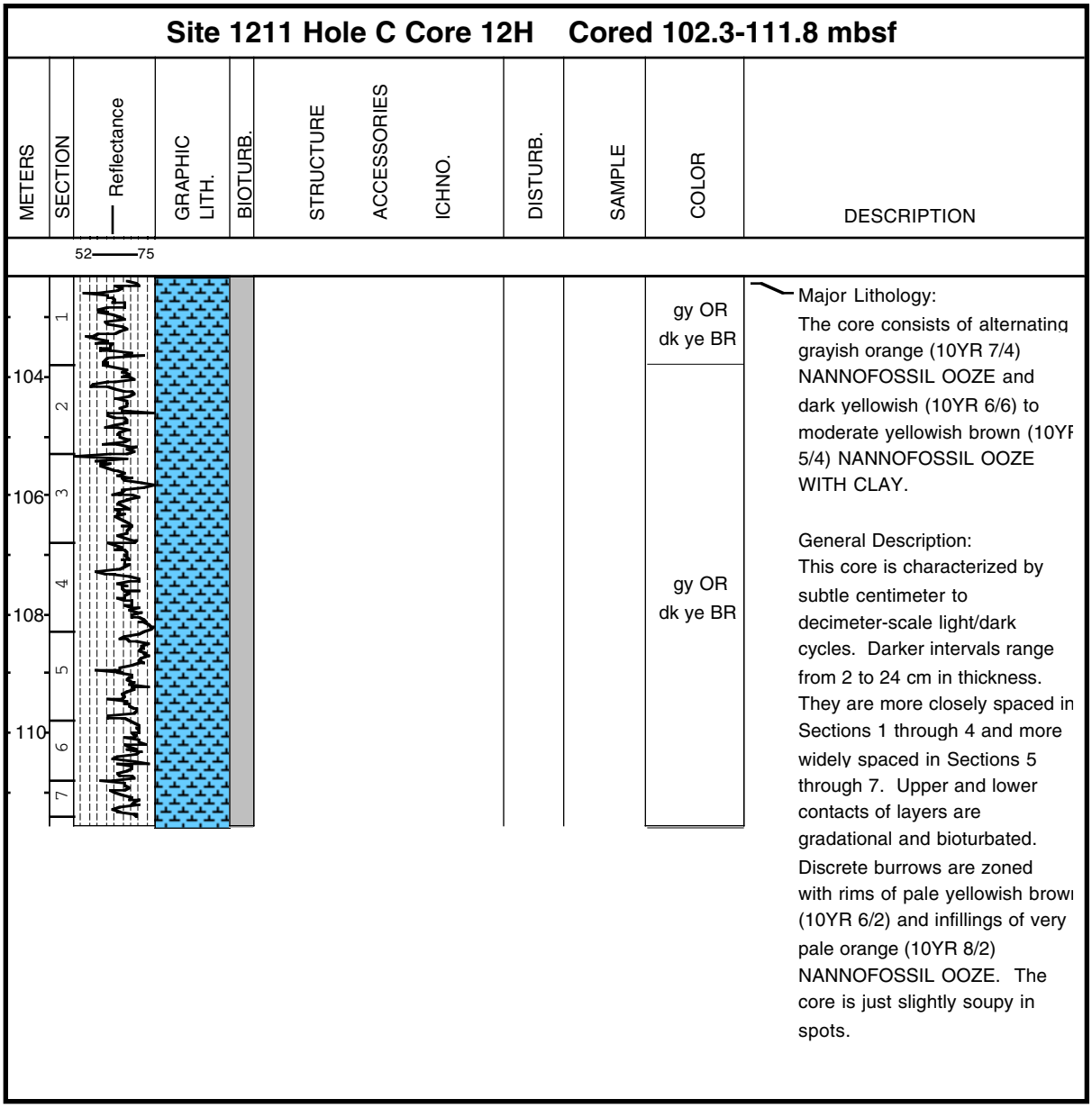
Core Photo


Site 1211 Hole C Core 10H Cored 83.3-92.8 mbsf
METERS
SECTION
Reflectance
46
74
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
84
86
88
90
92
1
2
3
4
5
6
7
PAL
gy OR
gy OR
gy OR
gy OR
dk ye OR
Major Lithology:
The dominant lithologies are grayish orange (10YR 7/4) NANNOFOSSIL OOZE and dark yellowish orange (10YR 6/6) NANNOFOSSIL OOZE WITH CLAY.
Minor Lithology:
Moderate yellowish brown (10YR 5/4) CLAYEY NANNOFOSSIL OOZE occurs as mottling and burrow fill throughout the core.
General Description:
The sediment is bioturbated throughout, with burrows and mottling more evident near contrasting lithologies. Zoophycos and Chondrites are present, as well as rare pinkish white burrows.

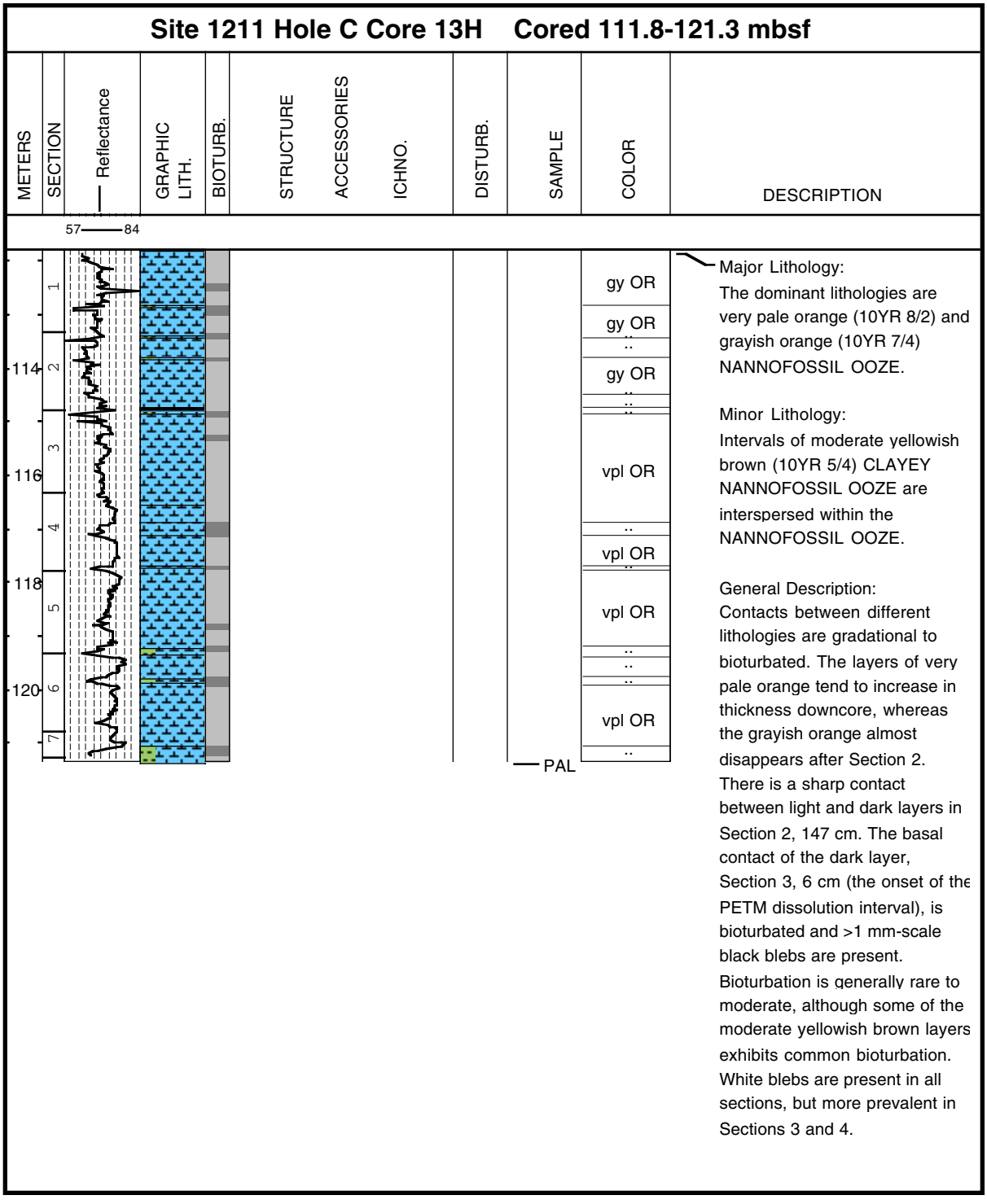
Core Photo


Site 1211 Hole C Core 11H Cored 92.8-102.3 mbsf
METERS
SECTION
Reflectance
48
72
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
94
96
98
100
1
2
3
4
5
6
WRP
PAL
gy OR
gy OR
gy OR
gy OR
gy OR
gy OR
Major Lithology:
The dominant lithology is a homogeneous, grayish orange (10YR 7/4), dark yellowish orange (10YR 6/6) and moderate yellowish orange (10YR 5/4) NANNOFOSSIL OOZE.
General Description:
There are rare mottles of very pale orange (10YR 8/2) throughout the core. Color transitions are gradational and the darker intervals are thin (~ 5-10 cm) in comparison to the lighter intervals.

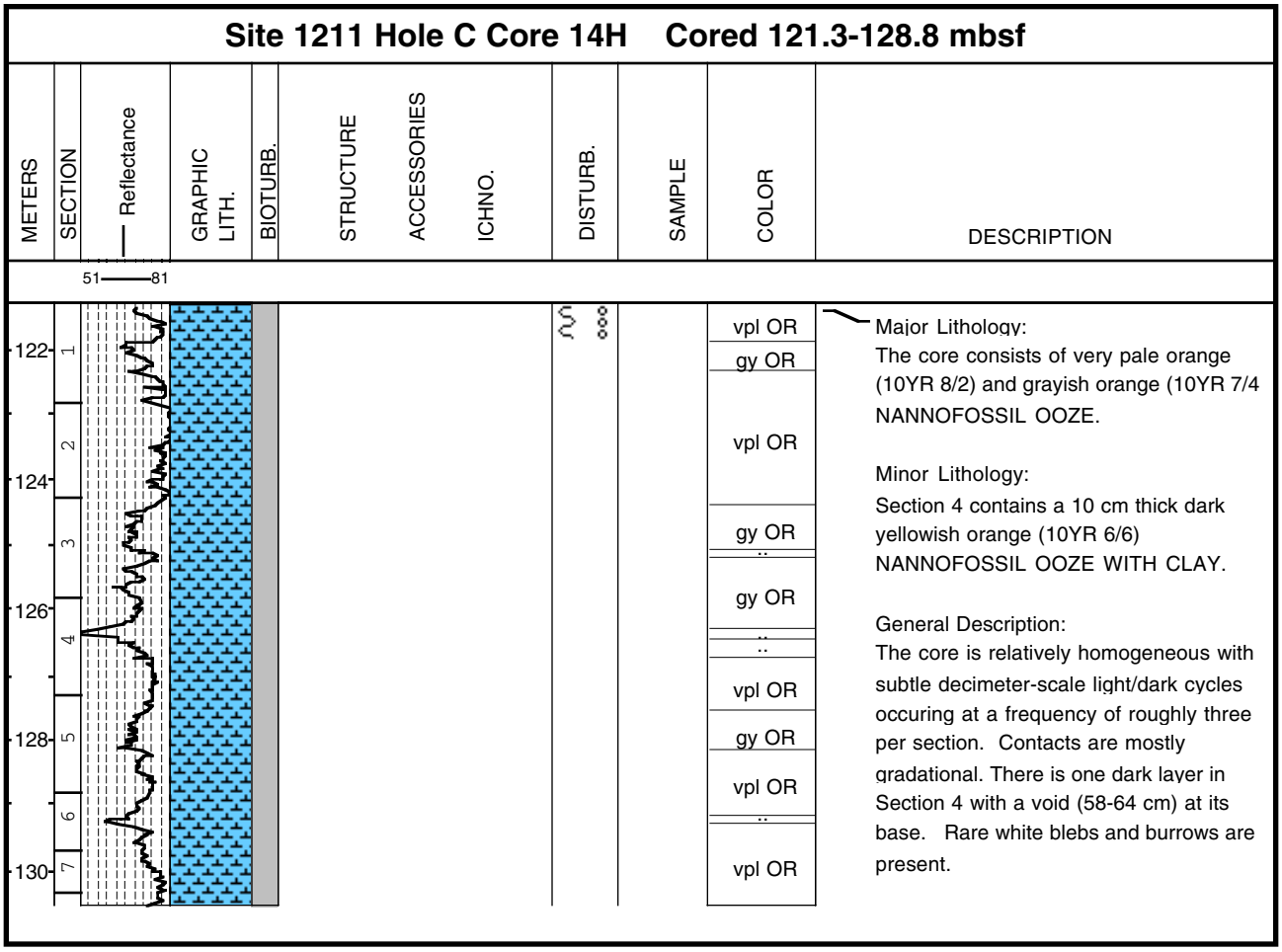
Core Photo


Site 1211 Hole C Core 12H Cored 102.3-111.8 mbsf
METERS
SECTION
Reflectance
52
75
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
104
106
108
110
1
2
3
4
5
6
7
gy OR dk ye BR
gy OR dk ye BR
Major Lithology:
The core consists of alternating grayish orange (10YR 7/4) NANNOFOSSIL OOZE and dark yellowish (10YR 6/6) to moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
This core is characterized by subtle centimeter to decimeter-scale light/dark cycles. Darker intervals range from 2 to 24 cm in thickness. They are more closely spaced in Sections 1 through 4 and more widely spaced in Sections 5 through 7. Upper and lower contacts of layers are gradational and bioturbated. Discrete burrows are zoned with rims of pale yellowish brown (10YR 6/2) and infillings of very pale orange (10YR 8/2) NANNOFOSSIL OOZE. The core is just slightly soupy in spots.

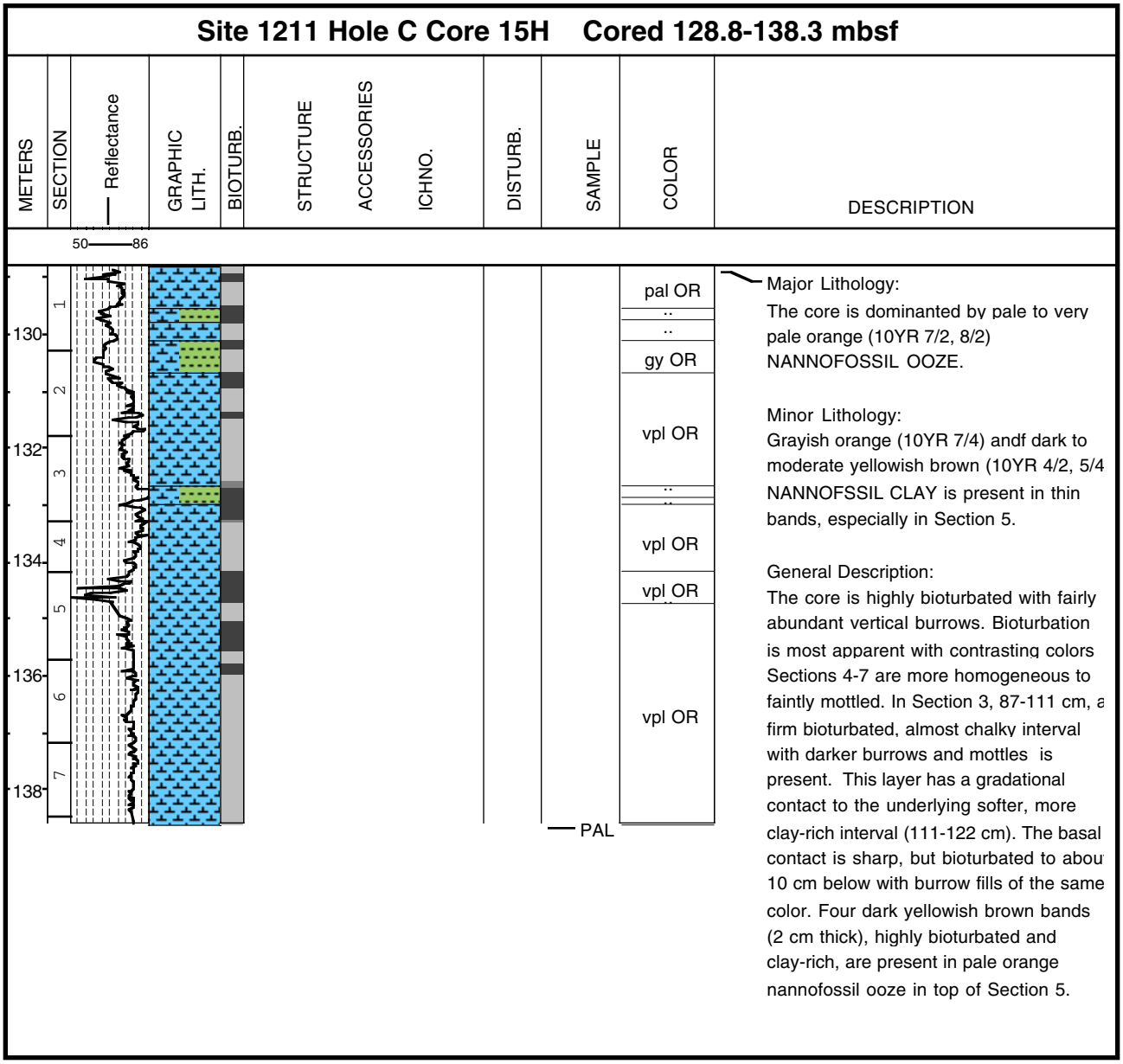
Core Photo


Site 1211 Hole C Core 13H Cored 111.8-121.3 mbsf
METERS
SECTION
Reflectance
57
84
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
114
116
118
120
1
2
3
4
5
6
7
PAL
gy OR
gy OR
gy OR
vpl OR
vpl OR
vpl OR
vpl OR
Major Lithology:
The dominant lithologies are very pale orange (10YR 8/2) and grayish orange (10YR 7/4) NANNOFOSSIL OOZE.
Minor Lithology:
Intervals of moderate yellowish brown (10YR 5/4) CLAYEY NANNOFOSSIL OOZE are interspersed within the NANNOFOSSIL OOZE.
General Description:
Contacts between different lithologies are gradational to bioturbated. The layers of very pale orange tend to increase in thickness downcore, whereas the grayish orange almost disappears after Section 2. There is a sharp contact between light and dark layers in Section 2, 147 cm. The basal contact of the dark layer, Section 3, 6 cm (the onset of the PETM dissolution interval), is bioturbated and >1 mm-scale black blebs are present. Bioturbation is generally rare to moderate, although some of the moderate yellowish brown layers exhibits common bioturbation. White blebs are present in all sections, but more prevalent in Sections 3 and 4.

Core Photo


Site 1211 Hole C Core 14H Cored 121.3-128.8 mbsf
METERS
SECTION
Reflectance
51
81
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
122
124
126
128
130
1
2
3
4
5
6
7
vpl OR
gy OR
vpl OR
gy OR
gy OR
vpl OR
gy OR
vpl OR
vpl OR
Major Lithology:
The core consists of very pale orange (10YR 8/2) and grayish orange (10YR 7/4 NANNOFOSSIL OOZE.
Minor Lithology:
Section 4 contains a 10 cm thick dark yellowish orange (10YR 6/6) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The core is relatively homogeneous with subtle decimeter-scale light/dark cycles occuring at a frequency of roughly three per section. Contacts are mostly gradational. There is one dark layer in Section 4 with a void (58-64 cm) at its base. Rare white blebs and burrows are present.

Core Photo


Site 1211 Hole C Core 15H Cored 128.8-138.3 mbsf
METERS
SECTION
Reflectance
50
86
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
130
132
134
136
138
1
2
3
4
5
6
7
PAL
pal OR
gy OR
vpl OR
vpl OR
vpl OR
vpl OR
Major Lithology:
The core is dominanted by pale to very pale orange (10YR 7/2, 8/2) NANNOFOSSIL OOZE.
Minor Lithology:
Grayish orange (10YR 7/4) andf dark to moderate yellowish brown (10YR 4/2, 5/4 NANNOFSSIL CLAY is present in thin bands, especially in Section 5.
General Description:
The core is highly bioturbated with fairly abundant vertical burrows. Bioturbation is most apparent with contrasting colors Sections 4-7 are more homogeneous to faintly mottled. In Section 3, 87-111 cm, a firm bioturbated, almost chalky interval with darker burrows and mottles is present. This layer has a gradational contact to the underlying softer, more clay-rich interval (111-122 cm). The basal contact is sharp, but bioturbated to abou 10 cm below with burrow fills of the same color. Four dark yellowish brown bands (2 cm thick), highly bioturbated and clay-rich, are present in pale orange nannofossil ooze in top of Section 5.

| Smear Slides | | |