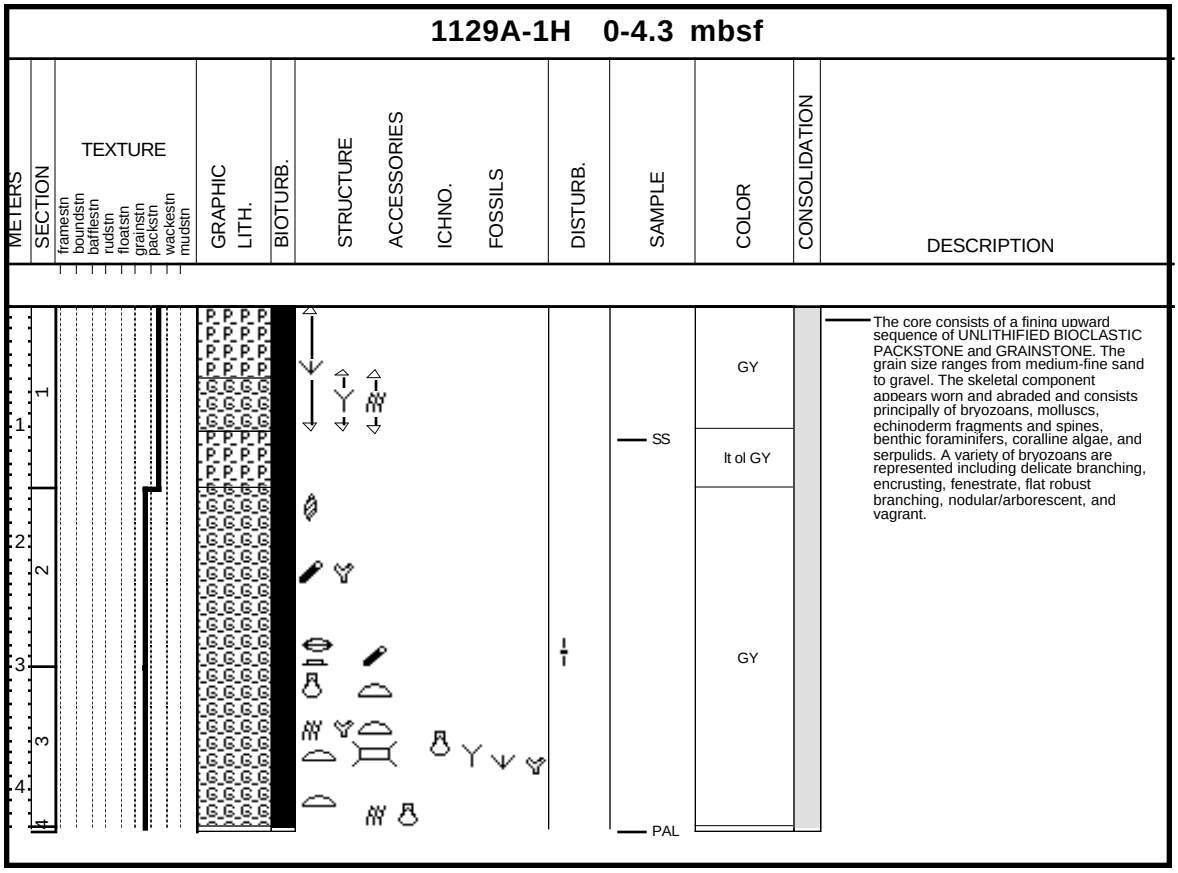
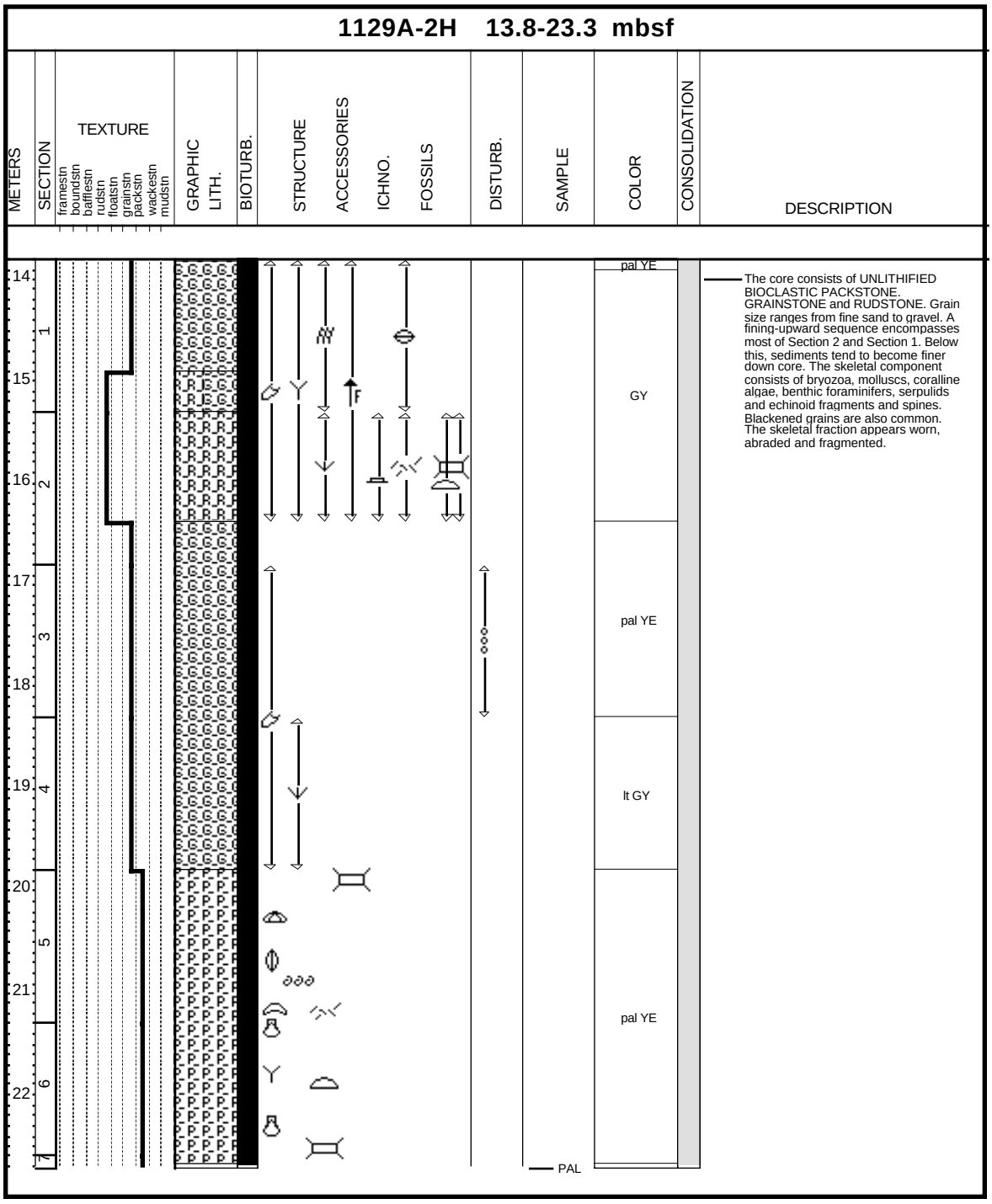
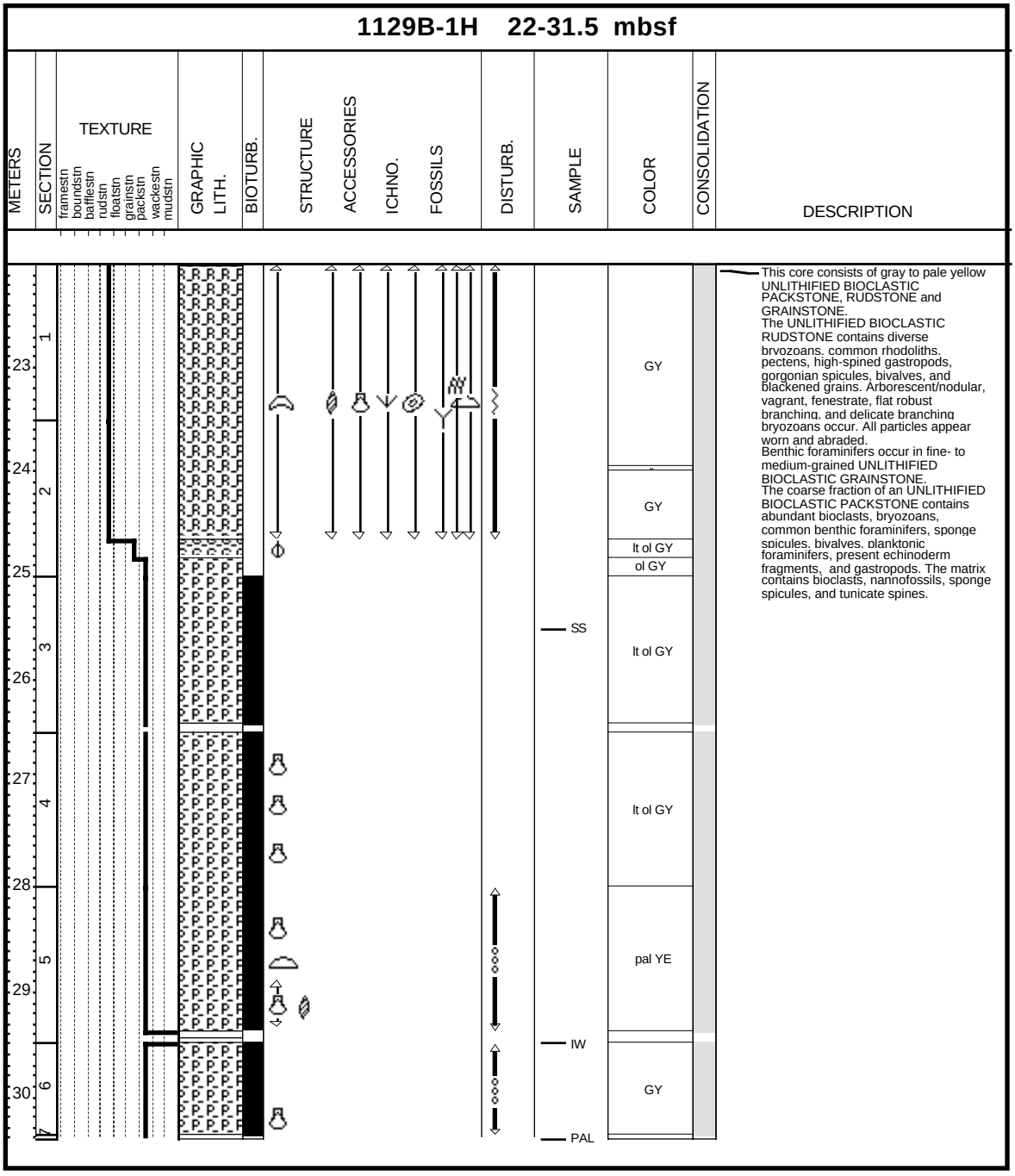
Core Photo


1129A-1H 0-4.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
SS
PAL
GY
lt ol GY
GY
The core consists of a fining upward sequence of UNLITHIFIED BIOCLASTIC PACKSTONE and GRAINSTONE. The grain size ranges from medium-fine sand to gravel. The skeletal component appears worn and abraded and consists principally of bryozoans, molluscs, echinoderm fragments and spines, benthic foraminifers, coralline algae, and serpulids. A variety of bryozoans are represented including delicate branching, encrusting, fenestrate, flat robust branching, nodular/arborescent, and vagrant.

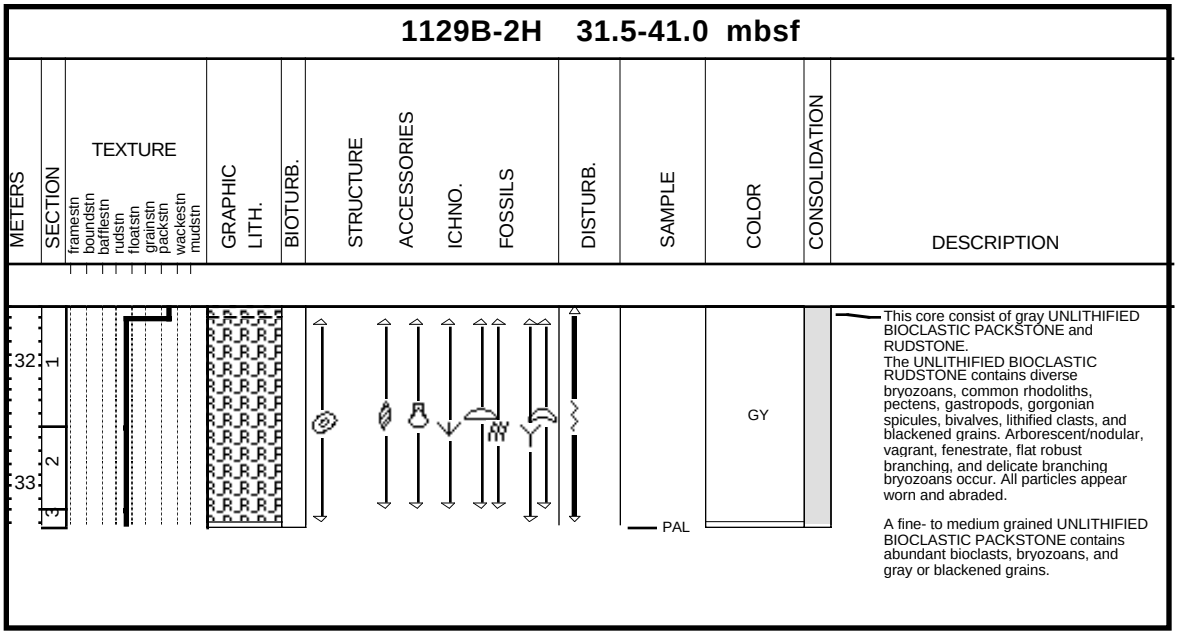
Core Photo


1129A-2H 13.8-23.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
14
15
16
17
18
19
20
21
22
1
2
3
4
5
6
7
pal YE
GY
pal YE
lt GY
pal YE
PAL
The core consists of UNLITHIFIED BIOCLASTIC PACKSTONE. GRAINSTONE and RUDSTONE. Grain size ranges from fine sand to gravel. A fining-upward sequence encompasses most of Section 2 and Section 1. Below this, sediments tend to become finer down core. The skeletal component consists of bryozoa, molluscs, coralline algae, benthic foraminifers, serpulids and echinoid fragments and spines. Blackened grains are also common. The skeletal fraction appears worn, abraded and fragmented.

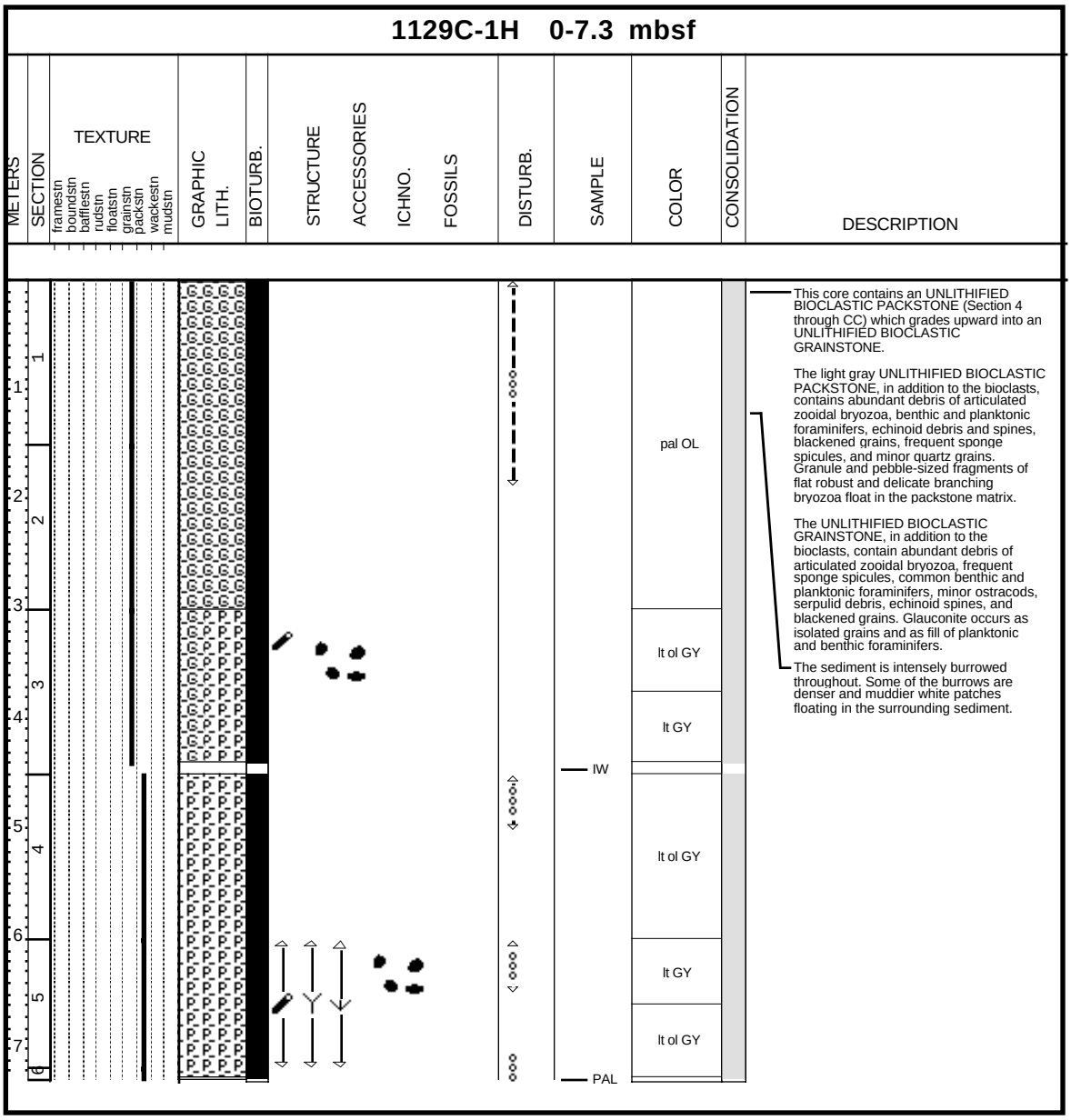
Core Photo


1129B-1H 22-31.5 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
batfliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
SS
IW
PAL
GY
GY
lt ol GY
ol GY
lt ol GY
lt ol GY
pal YE
GY
This core consists of gray to pale yellow UNLITHIFIED BIOCLASTIC PACKSTONE, RUDSTONE and GRAINSTONE.
The UNLITHIFIED BIOCLASTIC RUDSTONE contains diverse bryozoans, common rhodoliths, pectens, high-spined gastropods, gorgonian spicules, bivalves, and blackened grains. Arborescent/nodular, vagrant, fenestrate, flat robust branching, and delicate branching bryozoans occur. All particles appear worn and abraded.
Benthic foraminifers occur in fine- to medium-grained UNLITHIFIED BIOCLASTIC GRAINSTONE.
The coarse fraction of an UNLITHIFIED BIOCLASTIC PACKSTONE contains abundant bioclasts, bryozoans, common benthic foraminifers, sponge spicules, bivalves, planktonic foraminifers, present echinoderm fragments, and gastropods. The matrix contains bioclasts, nannofossils, sponge spicules, and tunicate spines.

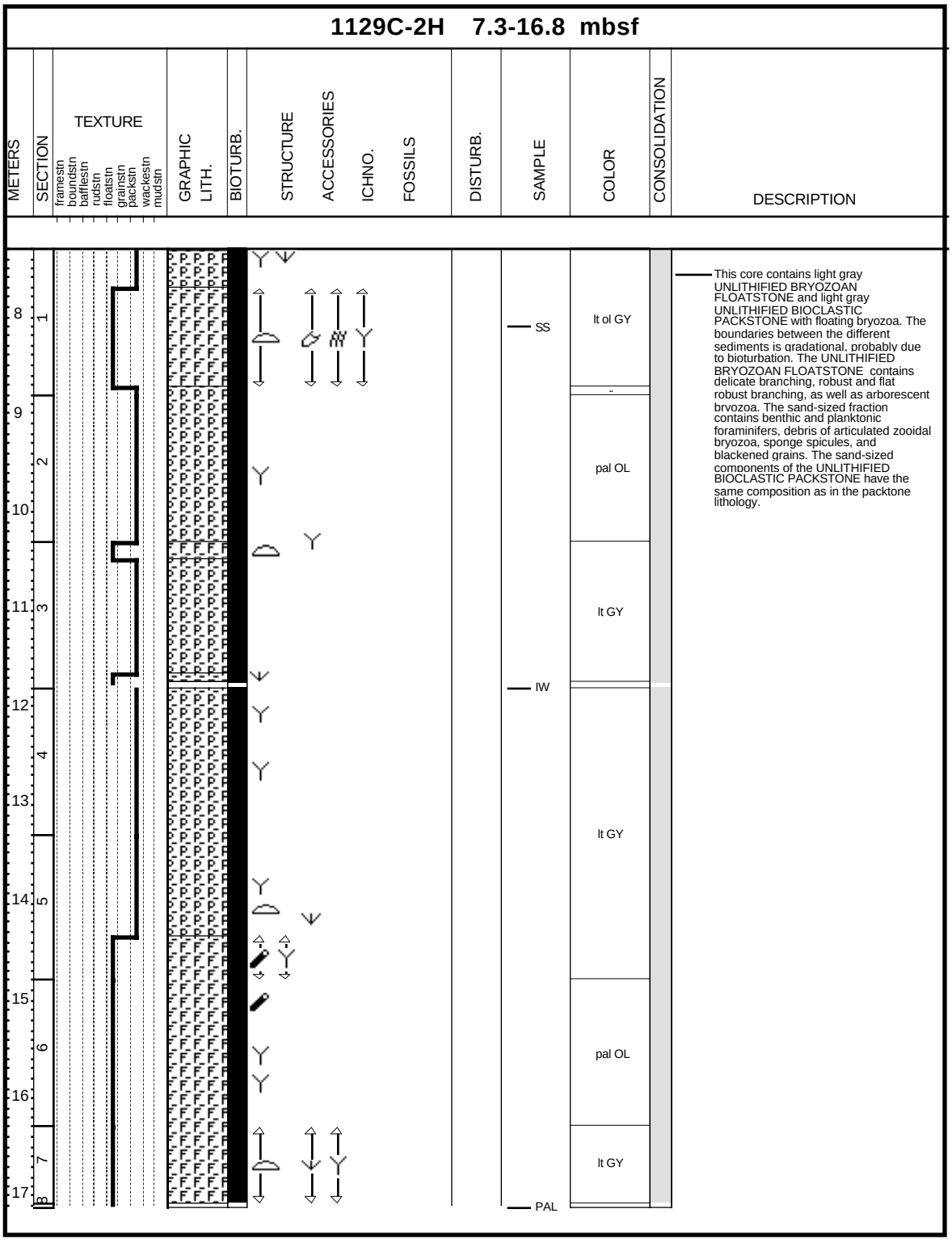
Core Photo


1129B-2H 31.5-41.0 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
batflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
32
33
1
2
3
PAL
GY
This core consist of gray UNLITHIFIED BIOCLASTIC PACKSTONE and RUDSTONE.
The UNLITHIFIED BIOCLASTIC RUDSTONE contains diverse bryozoans, common rhodoliths, pectens, gastropods, gorgonian spicules, bivalves, lithified clasts, and blackened grains. Arborescent/nodular, vagrant, fenestrate, flat robust branching, and delicate branching bryozoans occur. All particles appear worn and abraded.
A fine- to medium grained UNLITHIFIED BIOCLASTIC PACKSTONE contains abundant bioclasts, bryozoans, and gray or blackened grains.

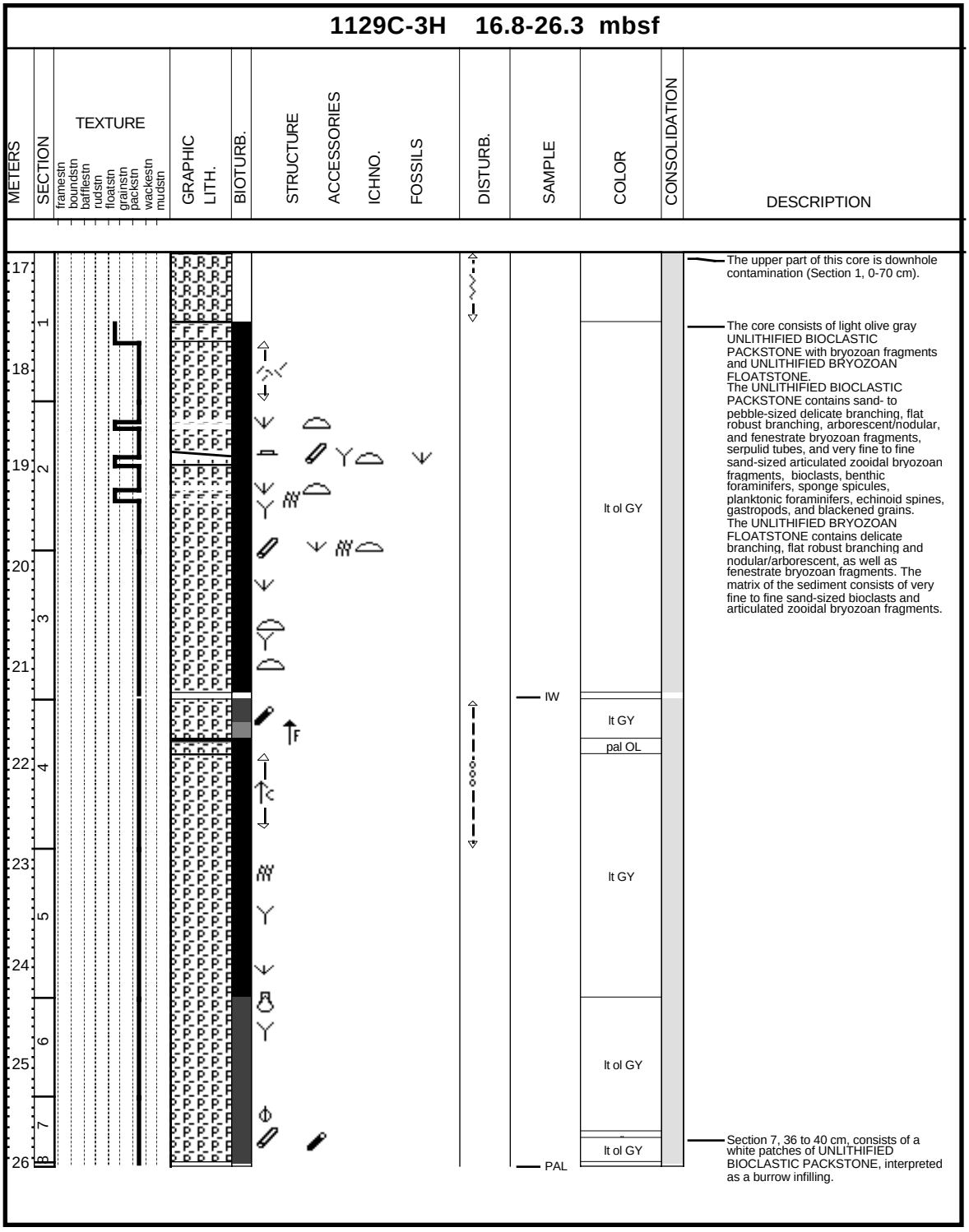
Core Photo


1129C-1H 0-7.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
IW
PAL
pal OL
lt ol GY
lt GY
lt ol GY
lt GY
lt ol GY
This core contains an UNLITHIFIED BIOCLASTIC PACKSTONE (Section 4 through CC) which grades upward into an UNLITHIFIED BIOCLASTIC GRAINSTONE.
The light gray UNLITHIFIED BIOCLASTIC PACKSTONE, in addition to the bioclasts, contains abundant debris of articulated zooidal bryozoa, benthic and planktonic foraminifers, echinoid debris and spines, blackened grains, frequent sponge spicules, and minor quartz grains. Granule and pebble-sized fragments of flat robust and delicate branching bryozoa float in the packstone matrix.
The UNLITHIFIED BIOCLASTIC GRAINSTONE, in addition to the bioclasts, contain abundant debris of articulated zooidal bryozoa, frequent sponge spicules, common benthic and planktonic foraminifers, minor ostracods, serpulid debris, echinoid spines, and blackened grains. Glauconite occurs as isolated grains and as fill of planktonic and benthic foraminifers.
The sediment is intensely burrowed throughout. Some of the burrows are denser and muddier white patches floating in the surrounding sediment.

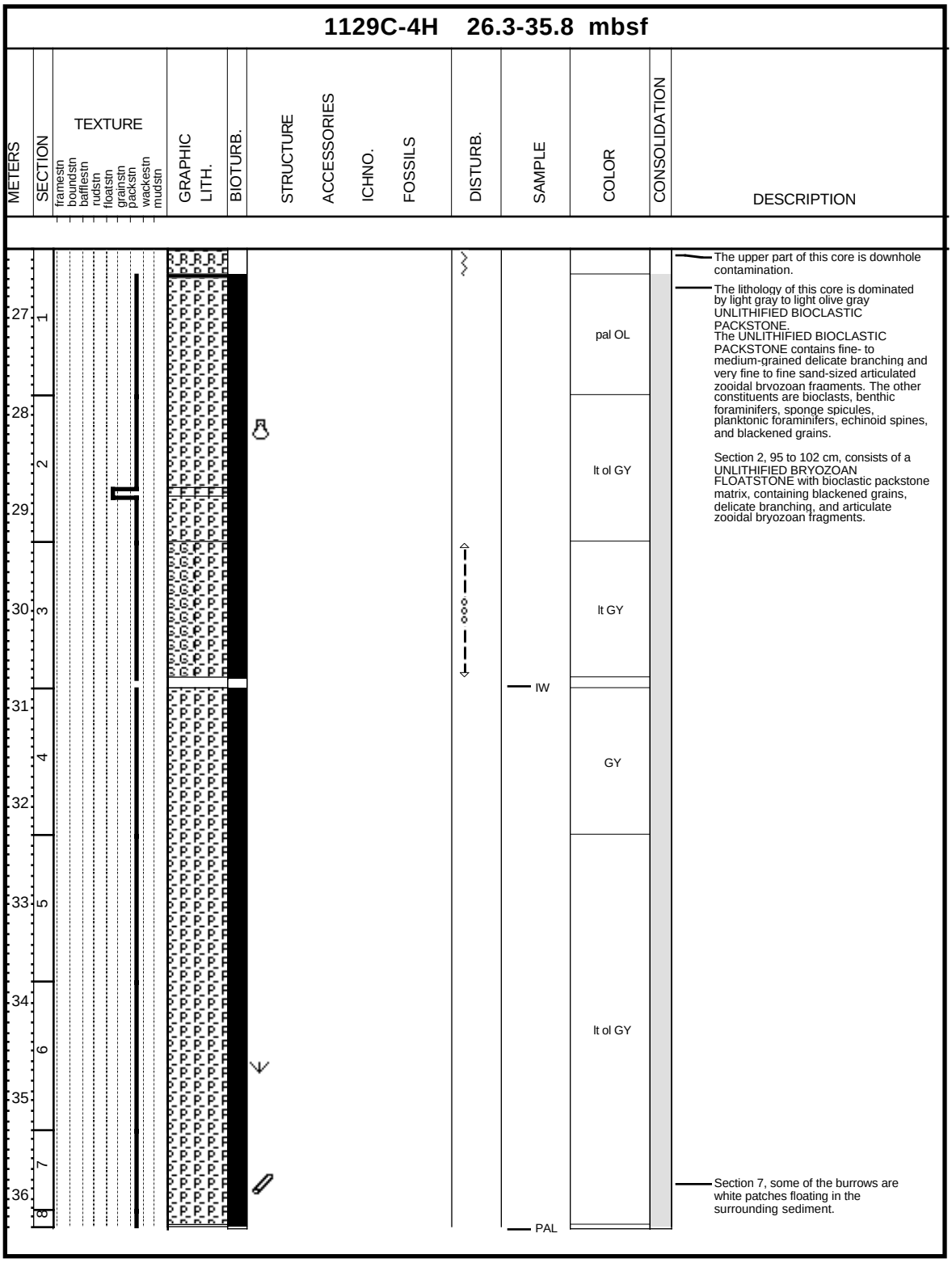
Core Photo


1129C-2H 7.3-16.8 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffiestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
SS
IW
PAL
lt ol GY
pal OL
lt GY
lt GY
pal OL
lt GY
This core contains light gray UNLITHIFIED BRYOZOAN FLOATSTONE and light gray UNLITHIFIED BIOCLASTIC PACKSTONE with floating bryozoa. The boundaries between the different sediments is gradational, probably due to bioturbation. The UNLITHIFIED BRYOZOAN FLOATSTONE contains delicate branching, robust and flat robust branching, as well as arborescent bryozoa. The sand-sized fraction contains benthic and planktonic foraminifers, debris of articulated zooidal bryozoa, sponge spicules, and blackened grains. The sand-sized components of the UNLITHIFIED BIOCLASTIC PACKSTONE have the same composition as in the packtone lithology.

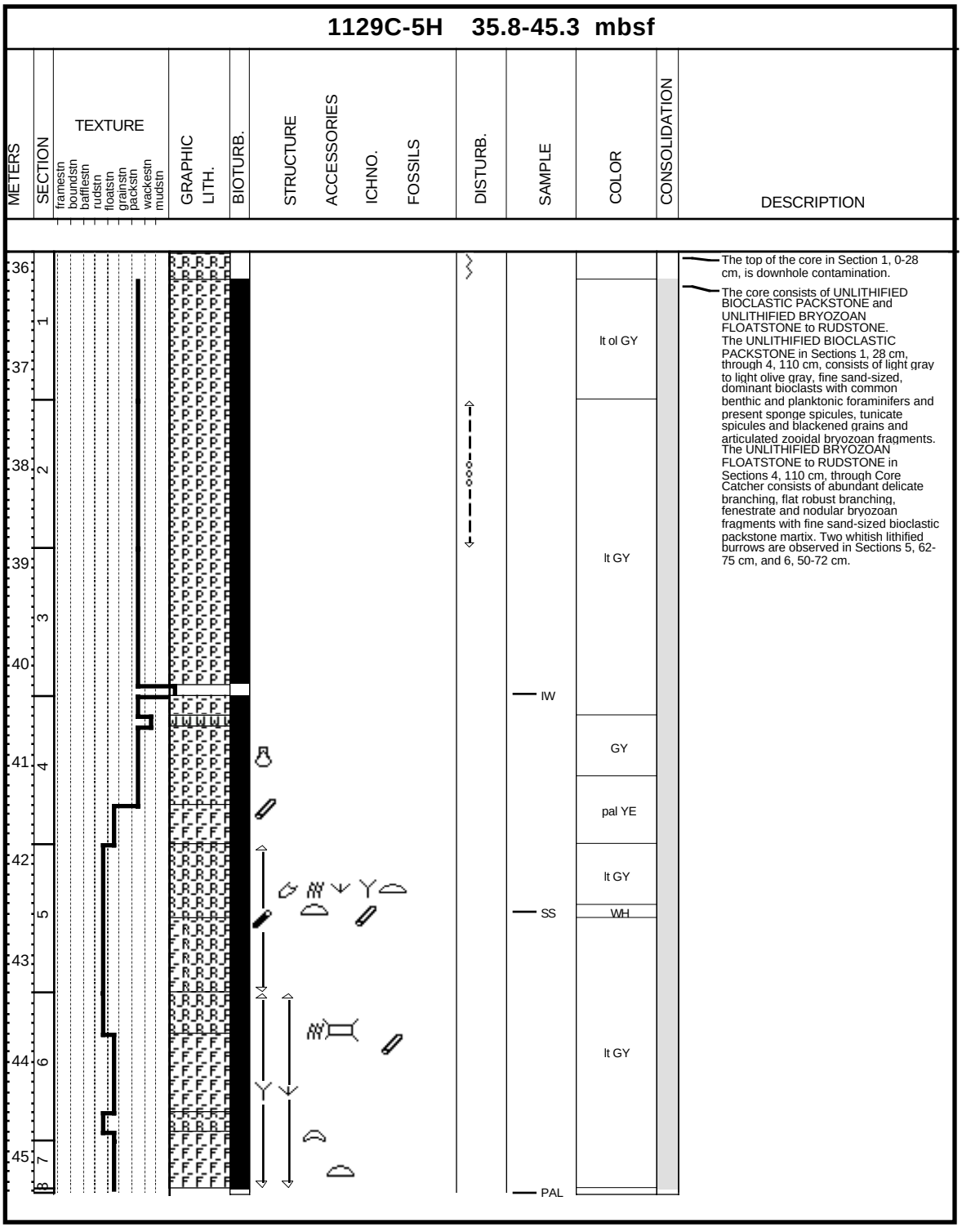
Core Photo


1129C-3H 16.8-26.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
batfliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
17
18
19
20
21
22
23
24
25
26
1
2
3
4
5
6
7
CC
IW
PAL
lt ol GY
lt GY
pal OL
lt GY
lt ol GY
lt ol GY
The upper part of this core is downhole contamination (Section 1, 0-70 cm).
The core consists of light olive gray UNLITHIFIED BIOCLASTIC PACKSTONE with bryozoan fragments and UNLITHIFIED BRYOZOAN FLOATSTONE.
The UNLITHIFIED BIOCLASTIC PACKSTONE contains sand- to pebble-sized delicate branching, flat robust branching, arborescent/nodular, and fenestrate bryozoan fragments, serpulid tubes, and very fine to fine sand-sized articulated zooidal bryozoan fragments, bioclasts, benthic foraminifers, sponge spicules, planktonic foraminifers, echinoid spines, gastropods, and blackened grains.
The UNLITHIFIED BRYOZOAN FLOATSTONE contains delicate branching, flat robust branching and nodular/arborescent, as well as fenestrate bryozoan fragments. The matrix of the sediment consists of very fine to fine sand-sized bioclasts and articulated zooidal bryozoan fragments.
Section 7, 36 to 40 cm, consists of a white patches of UNLITHIFIED BIOCLASTIC PACKSTONE, interpreted as a burrow infilling.

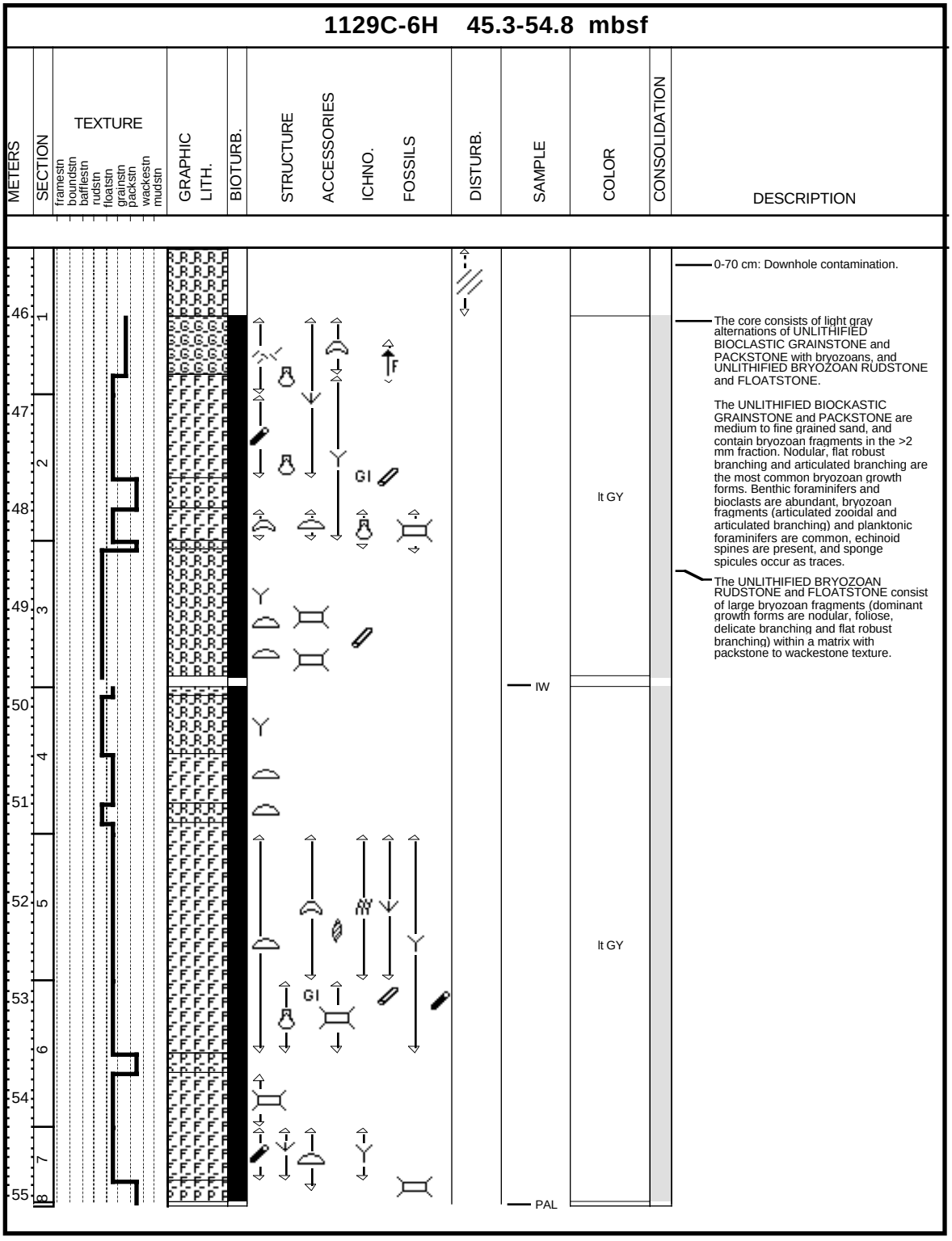
Core Photo


1129C-4H 26.3-35.8 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
27
28
29
30
31
32
33
34
35
36
1
2
3
4
5
6
7
8
IW
PAL
pal OL
lt ol GY
lt GY
GY
lt ol GY
The upper part of this core is downhole contamination.
The lithology of this core is dominated by light gray to light olive gray UNLITHIFIED BIOCLASTIC PACKSTONE.
The UNLITHIFIED BIOCLASTIC PACKSTONE contains fine- to medium-grained delicate branching and very fine to fine sand-sized articulated zooidal bryozoan fragments. The other constituents are bioclasts, benthic foraminifers, sponge spicules, planktonic foraminifers, echinoid spines, and blackened grains.
Section 2, 95 to 102 cm, consists of a UNLITHIFIED BRYOZOAN FLOATSTONE with bioclastic packstone matrix, containing blackened grains, delicate branching, and articulate zooidal bryozoan fragments.
Section 7, some of the burrows are white patches floating in the surrounding sediment.

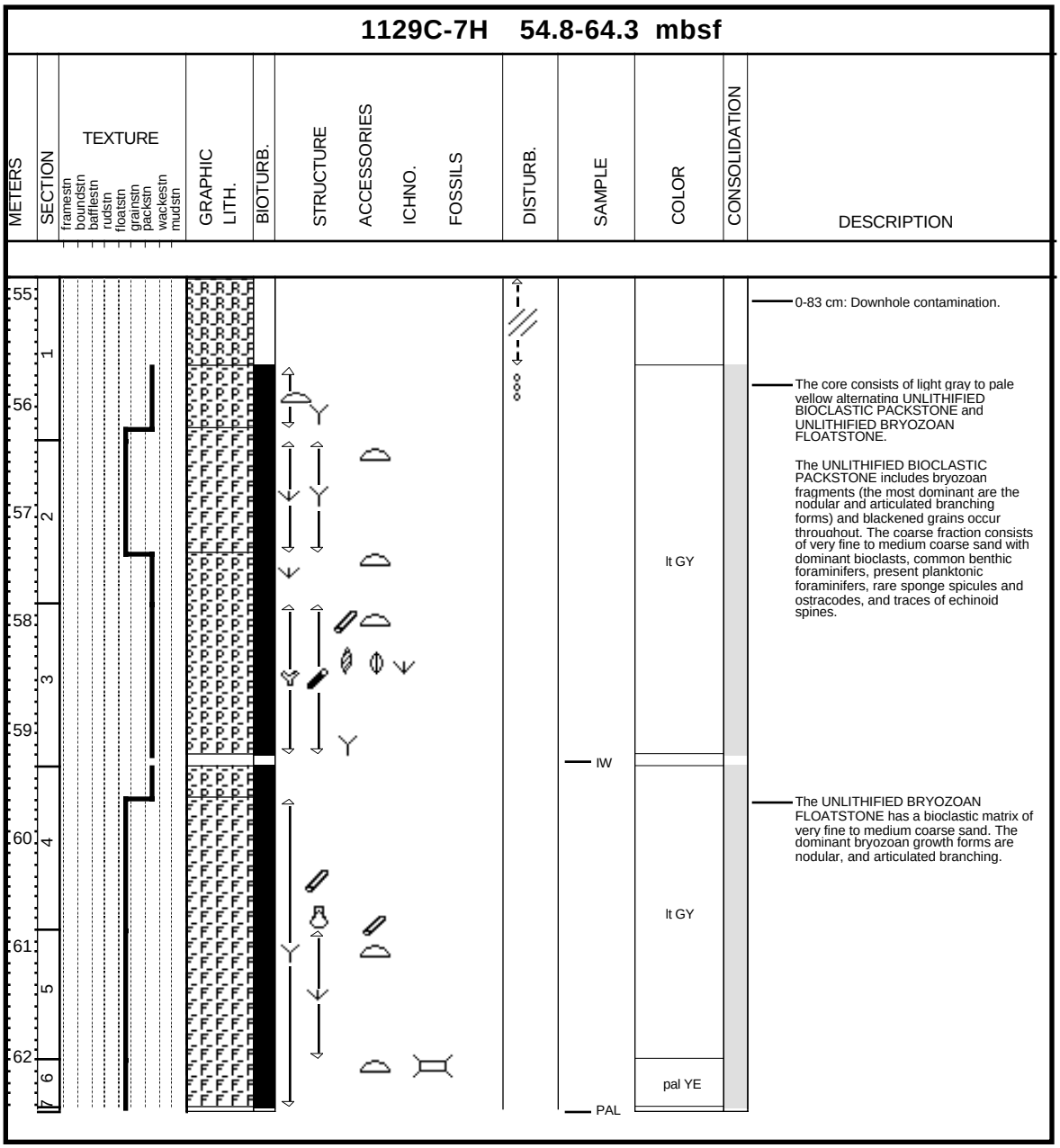
Core Photo


1129C-5H 35.8-45.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
36
37
38
39
40
41
42
43
44
45
1
2
3
4
5
6
7
CC
IW
SS
PAL
lt ol GY
lt GY
GY
pal YE
lt GY
WH
lt GY
The top of the core in Section 1, 0-28 cm, is downhole contamination.
The core consists of UNLITHIFIED BIOCLASTIC PACKSTONE and UNLITHIFIED BRYOZOAN FLOATSTONE to RUDSTONE. The UNLITHIFIED BIOCLASTIC PACKSTONE in Sections 1, 28 cm, through 4, 110 cm, consists of light gray to light olive gray, fine sand-sized, dominant bioclasts with common benthic and planktonic foraminifers and present sponge spicules, tunicate spicules and blackened grains and articulated zooidal bryozoan fragments. The UNLITHIFIED BRYOZOAN FLOATSTONE to RUDSTONE in Sections 4, 110 cm, through Core Catcher consists of abundant delicate branching, flat robust branching, fenestrate and nodular bryozoan fragments with fine sand-sized bioclastic packstone martix. Two whitish lithified burrows are observed in Sections 5, 62-75 cm, and 6, 50-72 cm.

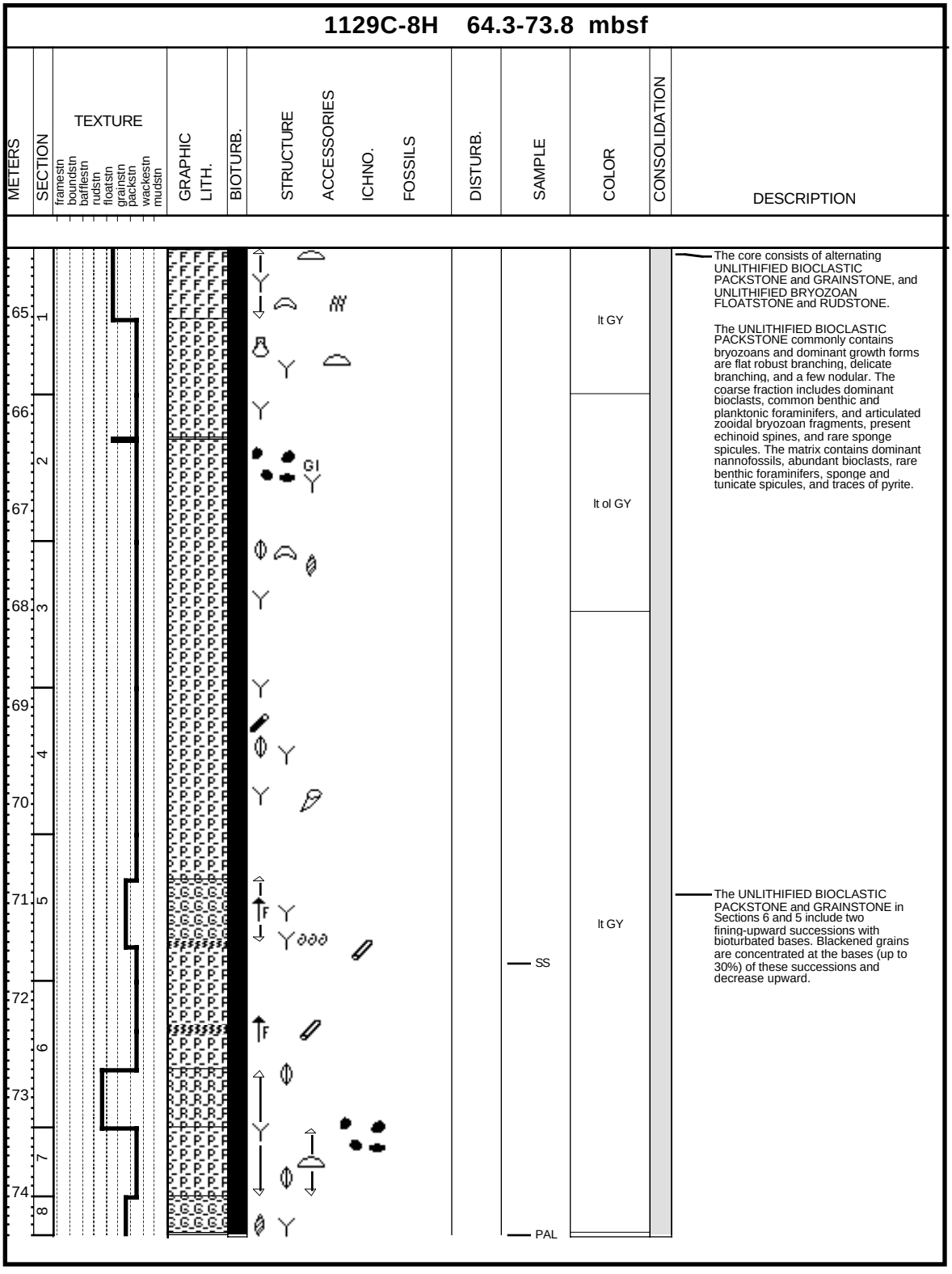
Core Photo


1129C-6H 45.3-54.8 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
batfliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
46
47
48
49
50
51
52
53
54
55
1
2
3
4
5
6
7
CC
GI
F
IW
PAL
lt GY
lt GY
0-70 cm: Downhole contamination.
The core consists of light gray alternations of UNLITHIFIED BIOCLASTIC GRAINSTONE and PACKSTONE with bryozoans, and UNLITHIFIED BRYOZOAN RUDSTONE and FLOATSTONE.
The UNLITHIFIED BIOCKASTIC GRAINSTONE and PACKSTONE are medium to fine grained sand, and contain bryozoan fragments in the >2 mm fraction. Nodular, flat robust branching and articulated branching are the most common bryozoan growth forms. Benthic foraminifers and bioclasts are abundant, bryozoan fragments (articulated zooidal and articulated branching) and planktonic foraminifers are common, echinoid spines are present, and sponge spicules occur as traces.
The UNLITHIFIED BRYOZOAN RUDSTONE and FLOATSTONE consist of large bryozoan fragments (dominant growth forms are nodular, foliose, delicate branching and flat robust branching) within a matrix with packstone to wackestone texture.

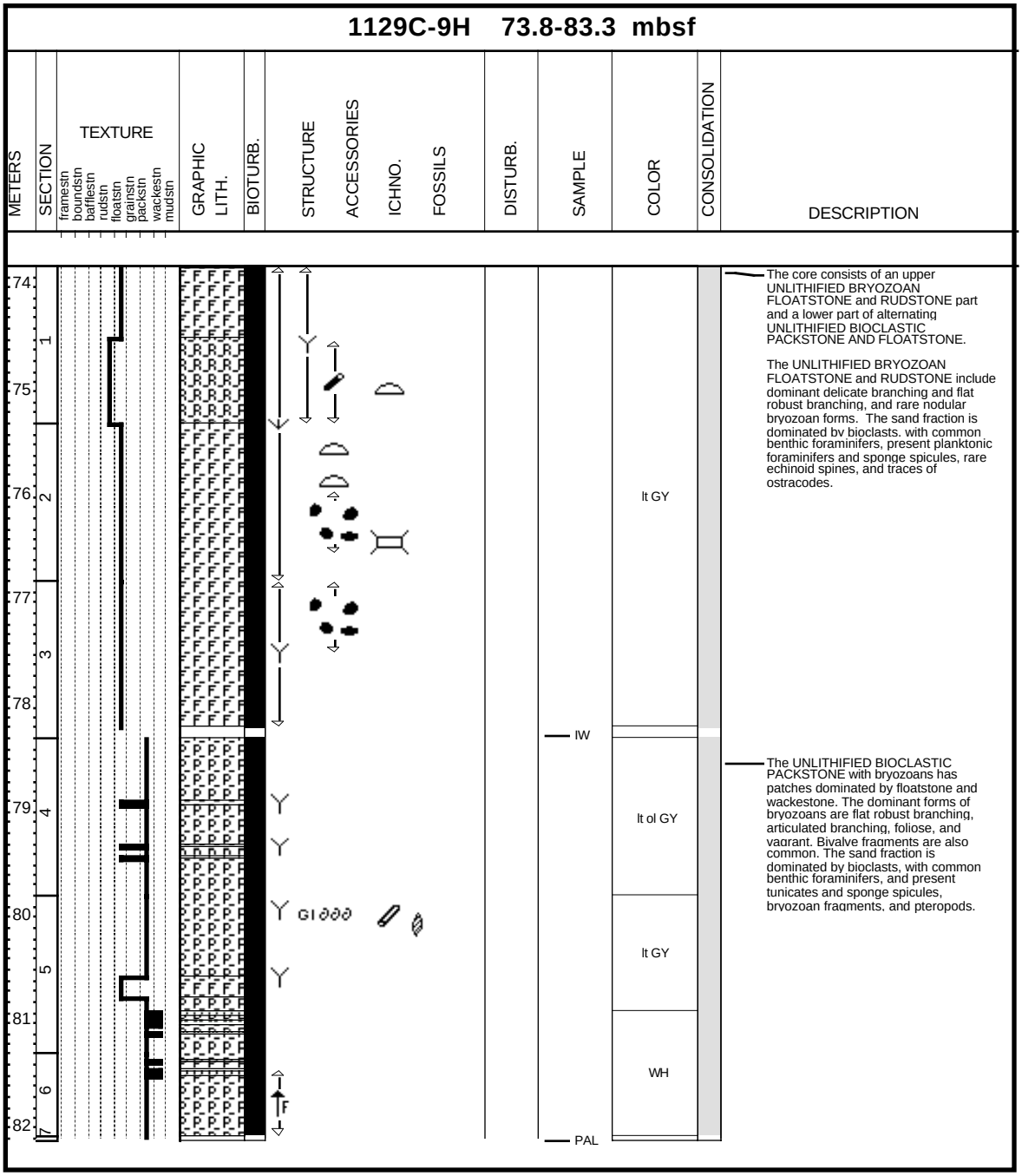
Core Photo


1129C-7H 54.8-64.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffiestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
55
56
57
58
59
60
61
62
1
2
3
4
5
6
7
IW
PAL
lt GY
lt GY
pal YE
0-83 cm: Downhole contamination.
The core consists of light gray to pale yellow alternating UNLITHIFIED BIOCLASTIC PACKSTONE and UNLITHIFIED BRYOZOAN FLOATSTONE.
The UNLITHIFIED BIOCLASTIC PACKSTONE includes bryozoan fragments (the most dominant are the nodular and articulated branching forms) and blackened grains occur throughout. The coarse fraction consists of very fine to medium coarse sand with dominant bioclasts, common benthic foraminifers, present planktonic foraminifers, rare sponge spicules and ostracodes, and traces of echinoid spines.
The UNLITHIFIED BRYOZOAN FLOATSTONE has a bioclastic matrix of very fine to medium coarse sand. The dominant bryozoan growth forms are nodular, and articulated branching.

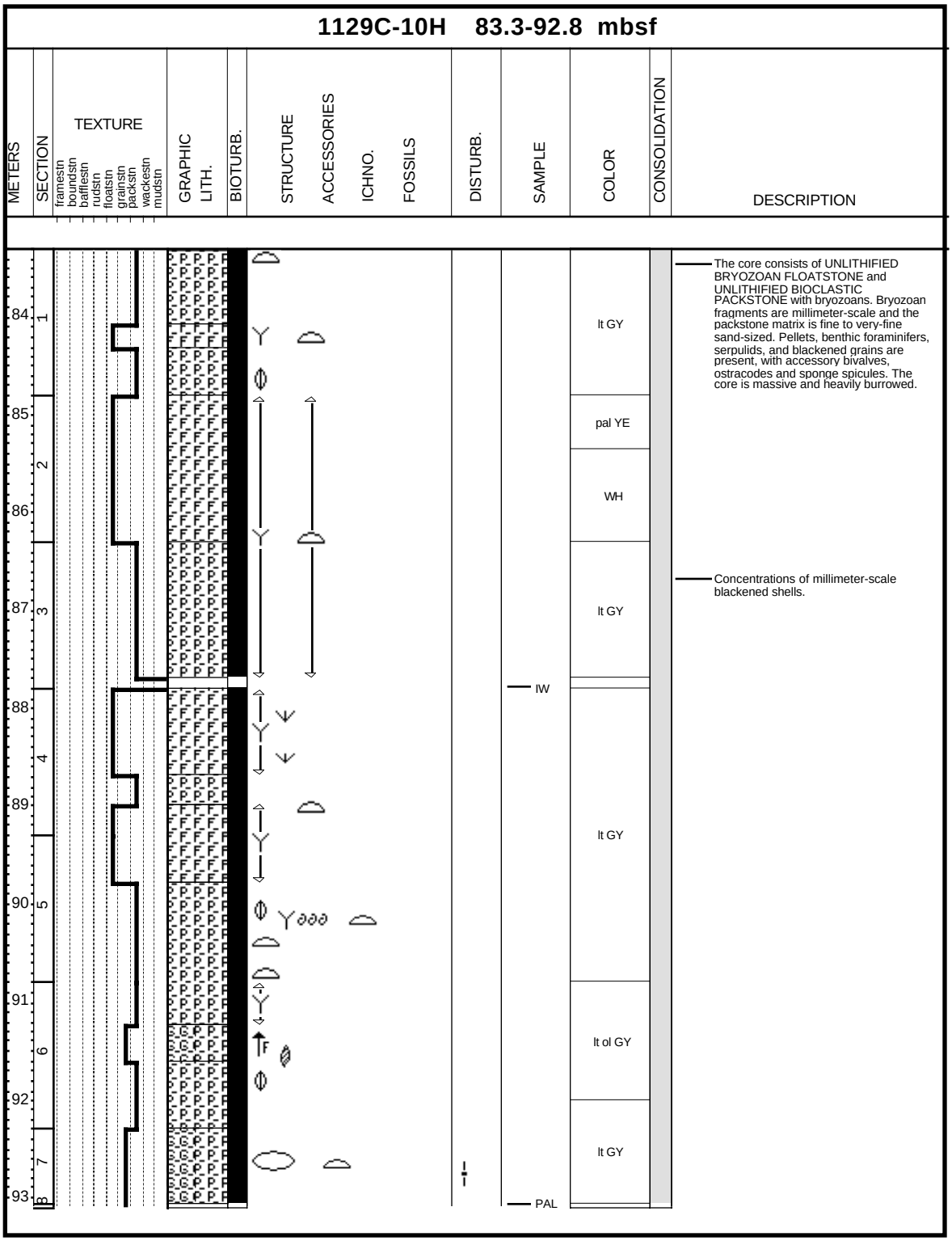
Core Photo


1129C-8H 64.3-73.8 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
batflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
65
66
67
68
69
70
71
72
73
74
1
2
3
4
5
6
7
8
GI
F
F
SS
PAL
lt GY
lt ol GY
lt GY
The core consists of alternating UNLITHIFIED BIOCLASTIC PACKSTONE and GRAINSTONE, and UNLITHIFIED BRYOZOAN FLOATSTONE and RUDSTONE.
The UNLITHIFIED BIOCLASTIC PACKSTONE commonly contains bryozoans and dominant growth forms are flat robust branching, delicate branching, and a few nodular. The coarse fraction includes dominant bioclasts, common benthic and planktonic foraminifers, and articulated zooidal bryozoan fragments, present echinoid spines, and rare sponge spicules. The matrix contains dominant nannofossils, abundant bioclasts, rare benthic foraminifers, sponge and tunicate spicules, and traces of pyrite.
The UNLITHIFIED BIOCLASTIC PACKSTONE and GRAINSTONE in Sections 6 and 5 include two fining-upward successions with bioturbated bases. Blackened grains are concentrated at the bases (up to 30%) of these successions and decrease upward.

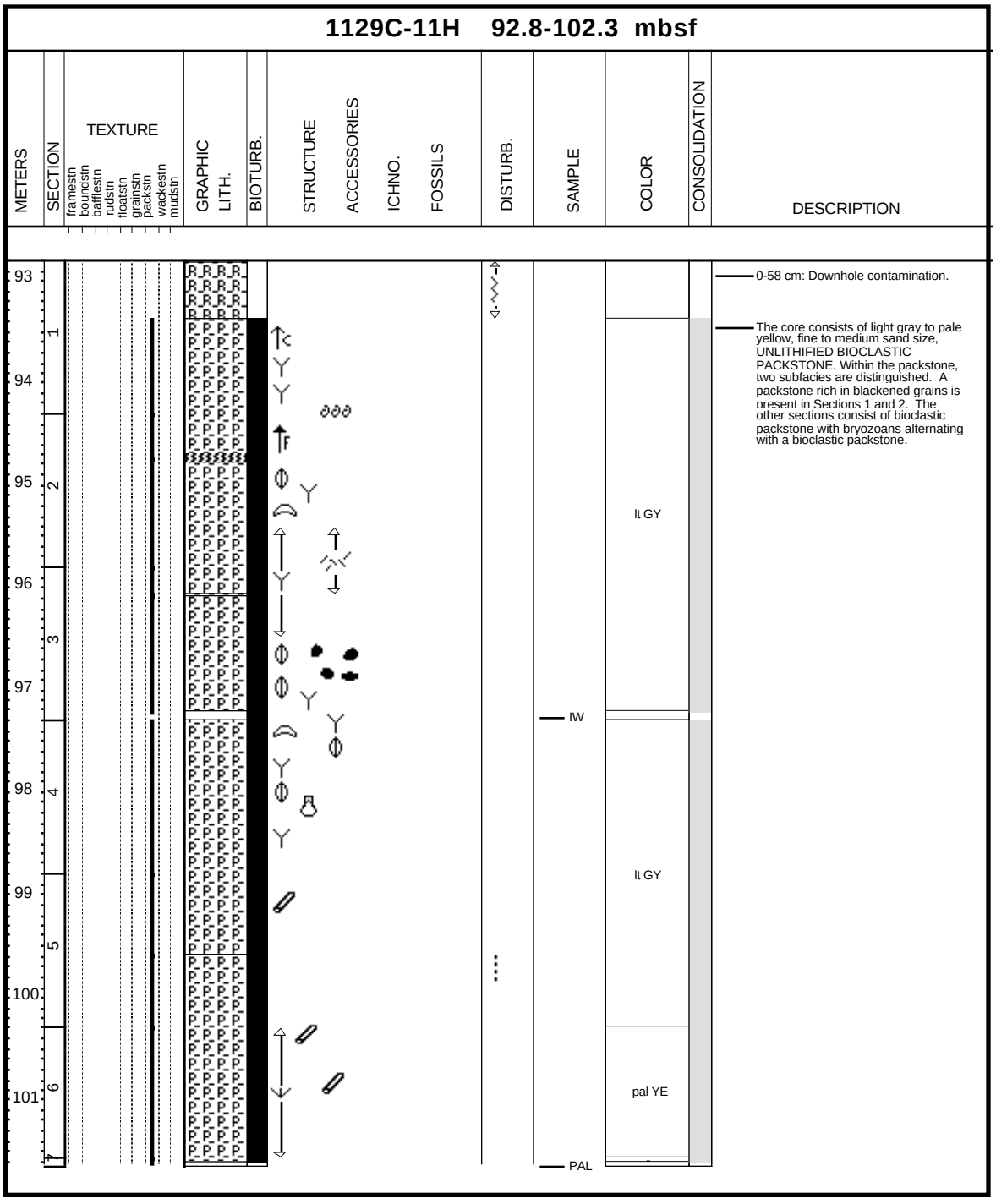
Core Photo


1129C-9H 73.8-83.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
batflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
74
75
76
77
78
79
80
81
82
1
2
3
4
5
6
7
IW
PAL
lt GY
lt ol GY
lt GY
WH
The core consists of an upper UNLITHIFIED BRYOZOAN FLOATSTONE and RUDSTONE part and a lower part of alternating UNLITHIFIED BIOCLASTIC PACKSTONE AND FLOATSTONE.
The UNLITHIFIED BRYOZOAN FLOATSTONE and RUDSTONE include dominant delicate branching and flat robust branching, and rare nodular bryozoan forms. The sand fraction is dominated by bioclasts, with common benthic foraminifers, present planktonic foraminifers and sponge spicules, rare echinoid spines, and traces of ostracodes.
The UNLITHIFIED BIOCLASTIC PACKSTONE with bryozoans has patches dominated by floatstone and wackestone. The dominant forms of bryozoans are flat robust branching, articulated branching, foliose, and vagrant. Bivalve fragments are also common. The sand fraction is dominated by bioclasts, with common benthic foraminifers, and present tunicates and sponge spicules, bryozoan fragments, and pteropods.

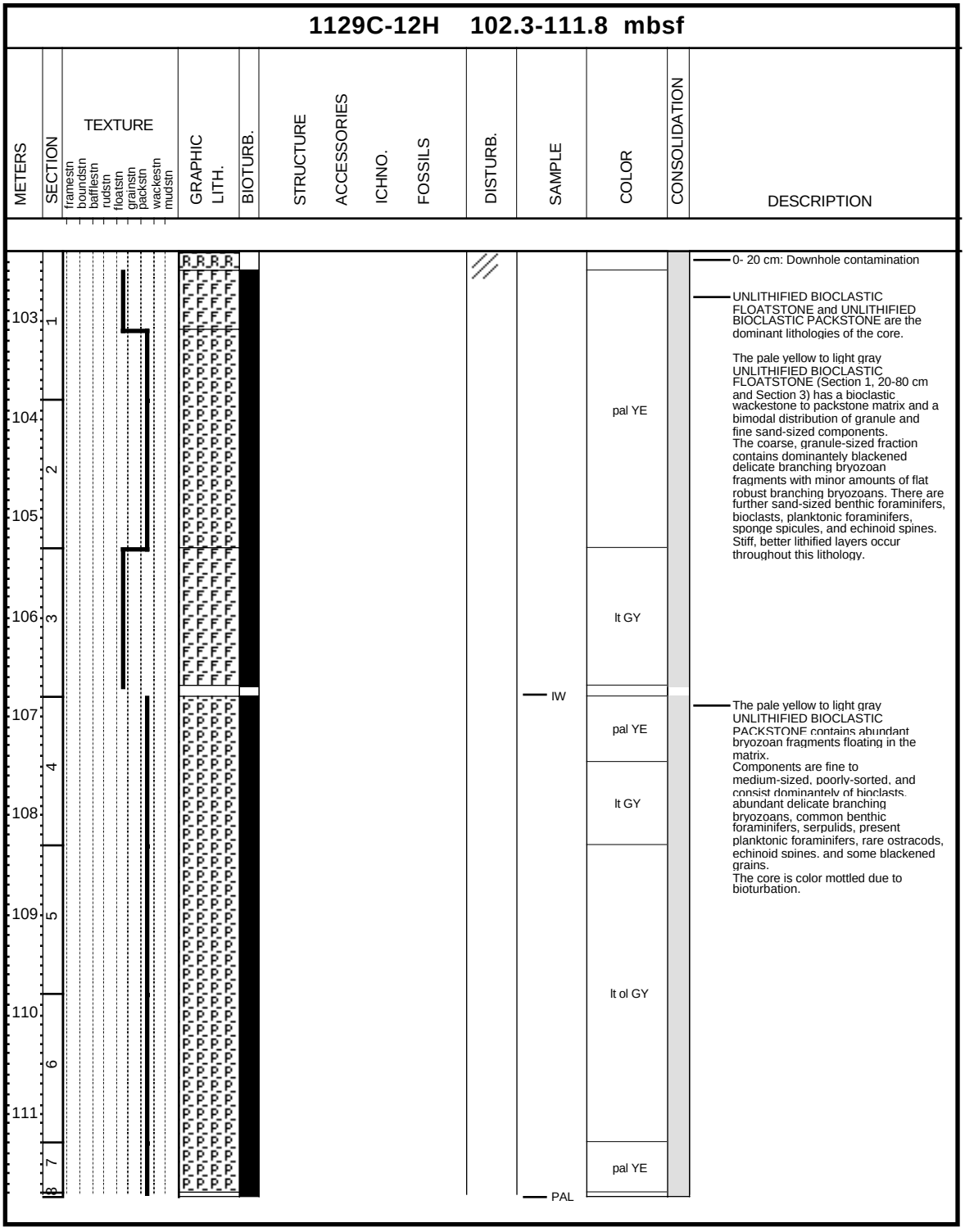
Core Photo


1129C-10H 83.3-92.8 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
84
85
86
87
88
89
90
91
92
93
lt GY
pal YE
WH
lt GY
lt GY
lt ol GY
lt GY
IW
PAL
The core consists of UNLITHIFIED BRYOZOAN FLOATSTONE and UNLITHIFIED BIOCLASTIC PACKSTONE with bryozoans. Bryozoan fragments are millimeter-scale and the packstone matrix is fine to very-fine sand-sized. Pellets, benthic foraminifers, serpulids, and blackened grains are present, with accessory bivalves, ostracodes and sponge spicules. The core is massive and heavily burrowed.
Concentrations of millimeter-scale blackened shells.

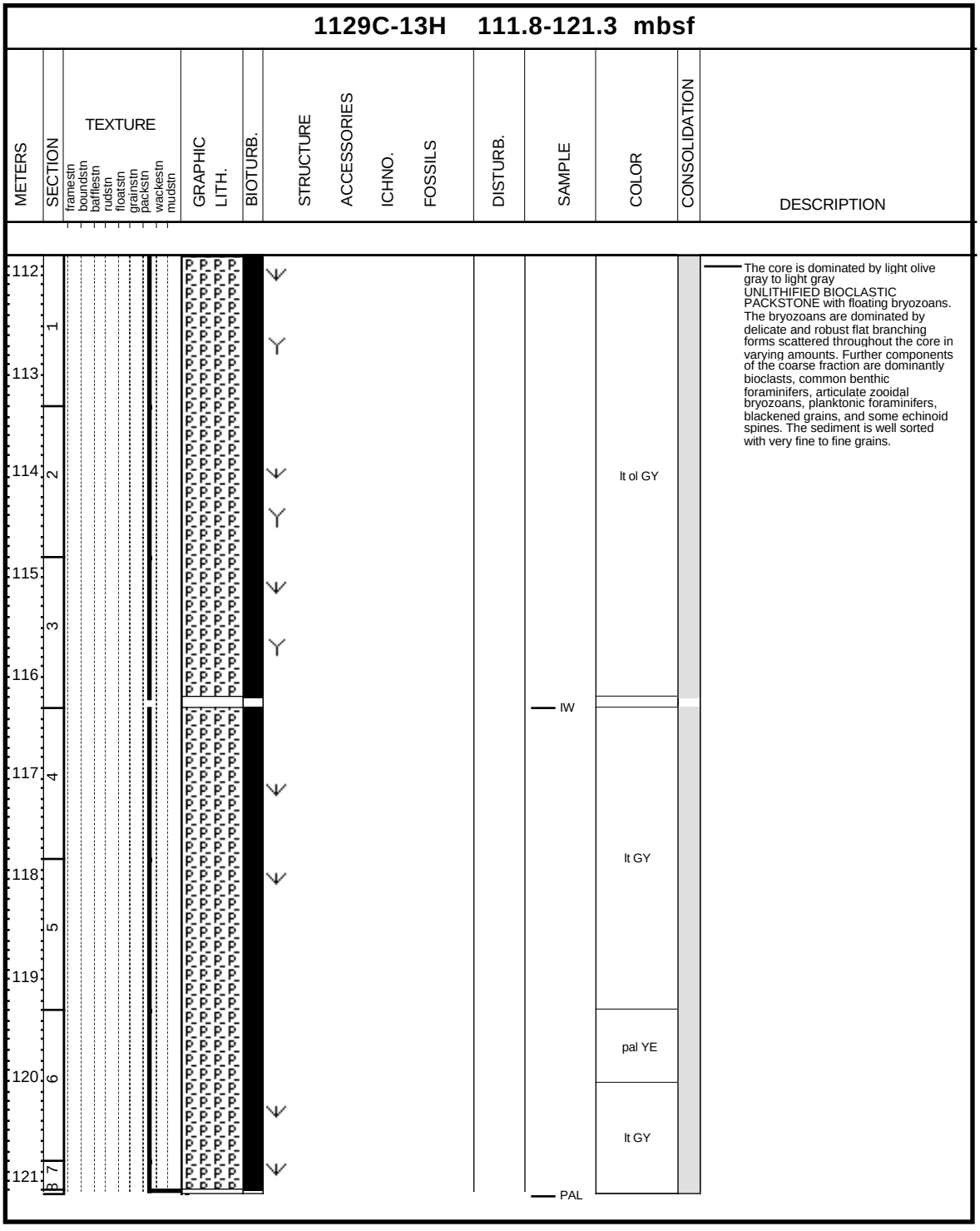
Core Photo


1129C-11H 92.8-102.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
93
94
95
96
97
98
99
100
101
1
2
3
4
5
6
lt GY
lt GY
pal YE
IW
PAL
0-58 cm: Downhole contamination.
The core consists of light gray to pale yellow, fine to medium sand size, UNLITHIFIED BIOCLASTIC PACKSTONE. Within the packstone, two subfacies are distinguished. A packstone rich in blackened grains is present in Sections 1 and 2. The other sections consist of bioclastic packstone with bryozoans alternating with a bioclastic packstone.

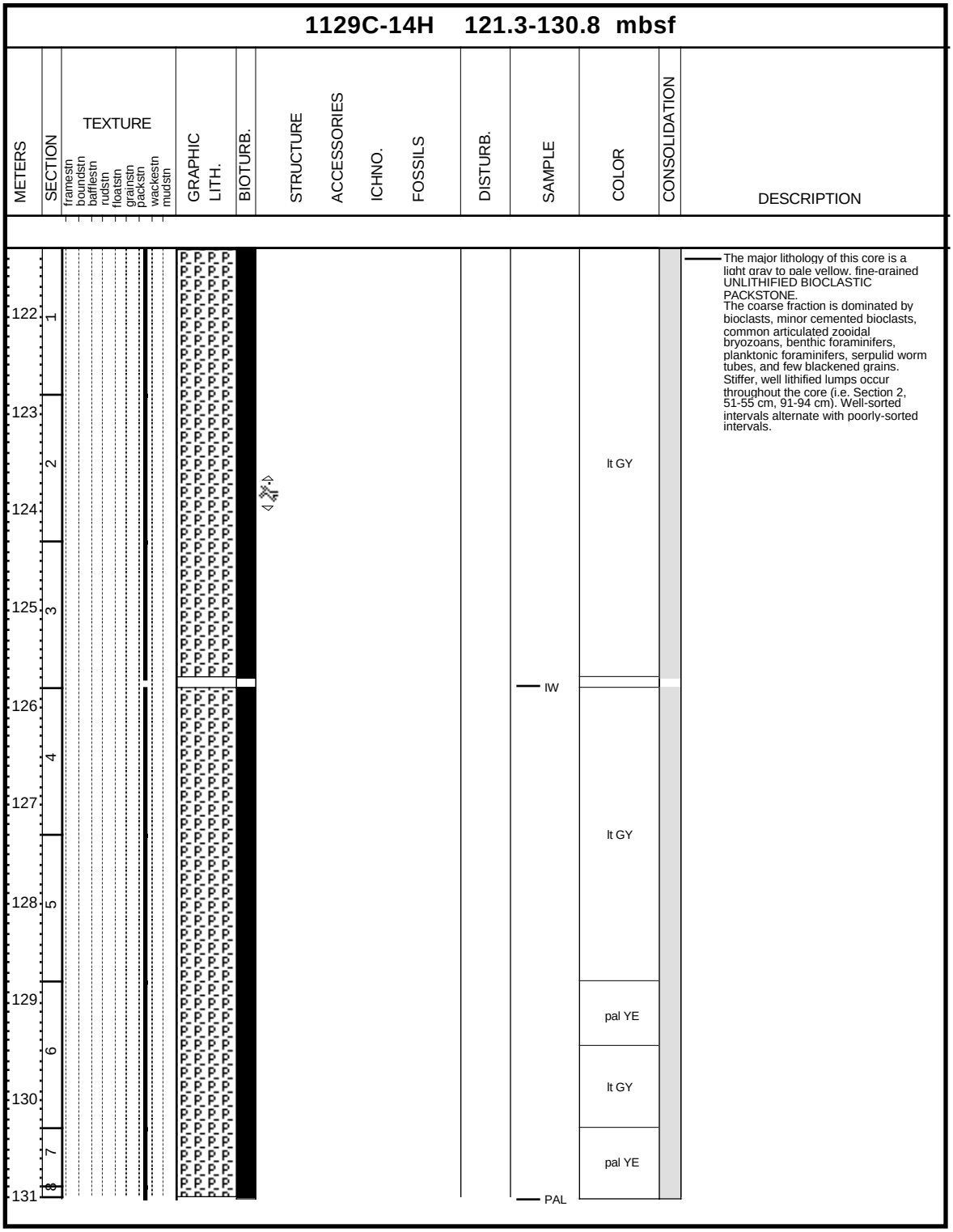
Core Photo


1129C-12H 102.3-111.8 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
103
104
105
106
107
108
109
110
111
1
2
3
4
5
6
7
8
IW
PAL
pal YE
lt GY
pal YE
lt GY
lt ol GY
pal YE
0- 20 cm: Downhole contamination
UNLITHIFIED BIOCLASTIC FLOATSTONE and UNLITHIFIED BIOCLASTIC PACKSTONE are the dominant lithologies of the core.
The pale yellow to light gray UNLITHIFIED BIOCLASTIC FLOATSTONE (Section 1, 20-80 cm and Section 3) has a bioclastic wackestone to packstone matrix and a bimodal distribution of granule and fine sand-sized components. The coarse, granule-sized fraction contains dominantely blackened delicate branching bryozoan fragments with minor amounts of flat robust branching bryozoans. There are further sand-sized benthic foraminifers, bioclasts, planktonic foraminifers, sponge spicules, and echinoid spines. Stiff, better lithified layers occur throughout this lithology.
The pale yellow to light gray UNLITHIFIED BIOCLASTIC PACKSTONE contains abundant bryozoan fragments floating in the matrix.
Components are fine to medium-sized, poorly-sorted, and consist dominantely of bioclasts, abundant delicate branching bryozoans, common benthic foraminifers, serpulids, present planktonic foraminifers, rare ostracods, echinoid spines, and some blackened grains.
The core is color mottled due to bioturbation.

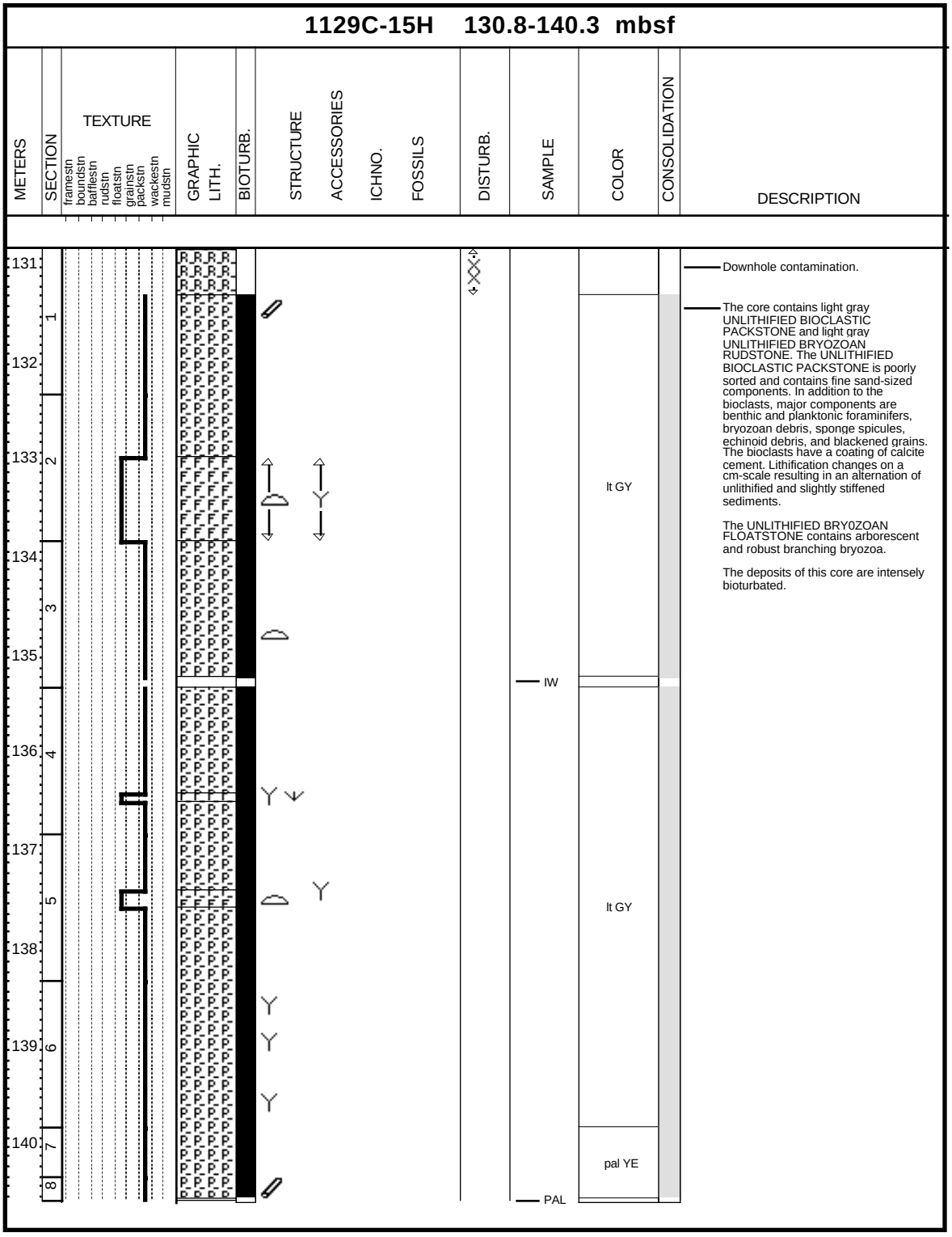
Core Photo


1129C-13H 111.8-121.3 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
112
113
114
115
116
117
118
119
120
121
1
2
3
4
5
6
7
CC
IW
PAL
lt ol GY
lt GY
pal YE
lt GY
The core is dominated by light olive gray to light gray UNLITHIFIED BIOCLASTIC PACKSTONE with floating bryozoans. The bryozoans are dominated by delicate and robust flat branching forms scattered throughout the core in varying amounts. Further components of the coarse fraction are dominantly bioclasts, common benthic foraminifers, articulate zooidal bryozoans, planktonic foraminifers, blackened grains, and some echinoid spines. The sediment is well sorted with very fine to fine grains.

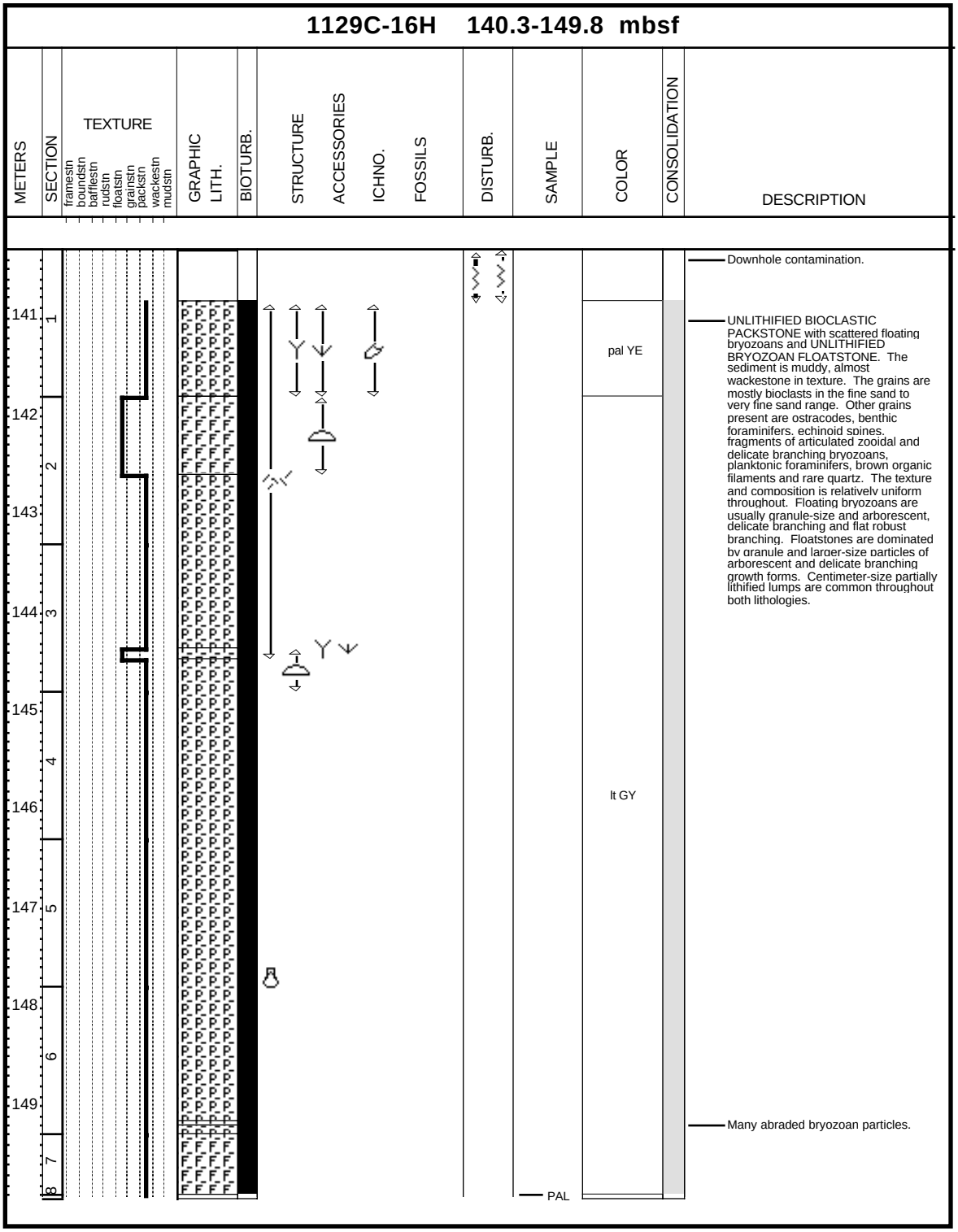
Core Photo


1129C-14H 121.3-130.8 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
122
123
124
125
126
127
128
129
130
131
1
2
3
4
5
6
7
CC
IW
PAL
lt GY
lt GY
pal YE
lt GY
pal YE
The major lithology of this core is a light gray to pale yellow, fine-grained UNLITHIFIED BIOCLASTIC PACKSTONE.
The coarse fraction is dominated by bioclasts, minor cemented bioclasts, common articulated zooidal bryozoans, benthic foraminifers, planktonic foraminifers, serpulid worm tubes, and few blackened grains. Stiffer, well lithified lumps occur throughout the core (i.e. Section 2, 51-55 cm, 91-94 cm). Well-sorted intervals alternate with poorly-sorted intervals.

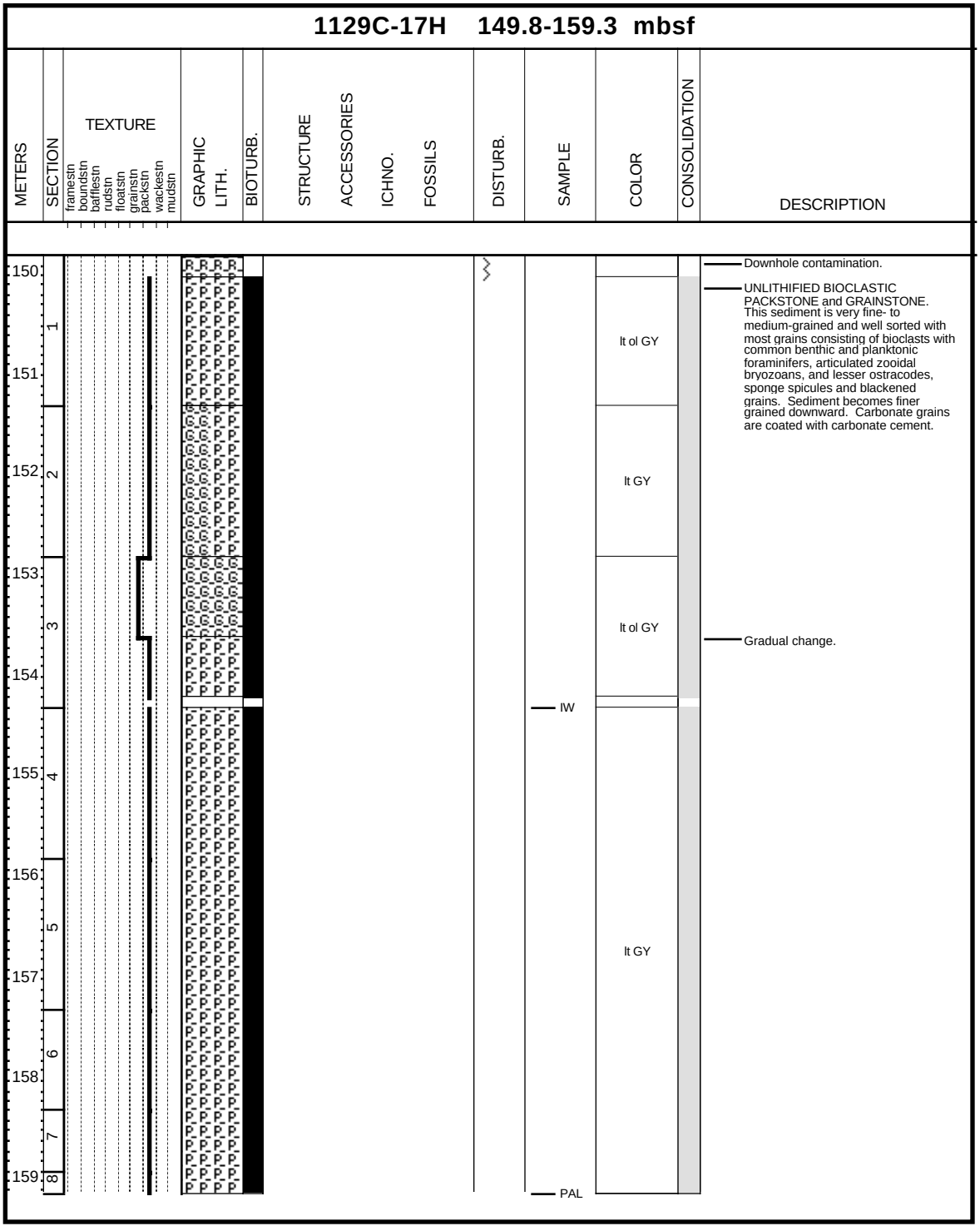
Core Photo


1129C-15H 130.8-140.3 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
131
132
133
134
135
136
137
138
139
140
1
2
3
4
5
6
7
8
IW
PAL
lt GY
lt GY
pal YE
Downhole contamination.
The core contains light gray UNLITHIFIED BIOCLASTIC PACKSTONE and light gray UNLITHIFIED BRYOZOAN RUDSTONE. The UNLITHIFIED BIOCLASTIC PACKSTONE is poorly sorted and contains fine sand-sized components. In addition to the bioclasts, major components are benthic and planktonic foraminifers, bryozoan debris, sponge spicules, echinoid debris, and blackened grains. The bioclasts have a coating of calcite cement. Lithification changes on a cm-scale resulting in an alternation of unlithified and slightly stiffened sediments.
The UNLITHIFIED BRY0ZOAN FLOATSTONE contains arborescent and robust branching bryozoa.
The deposits of this core are intensely bioturbated.

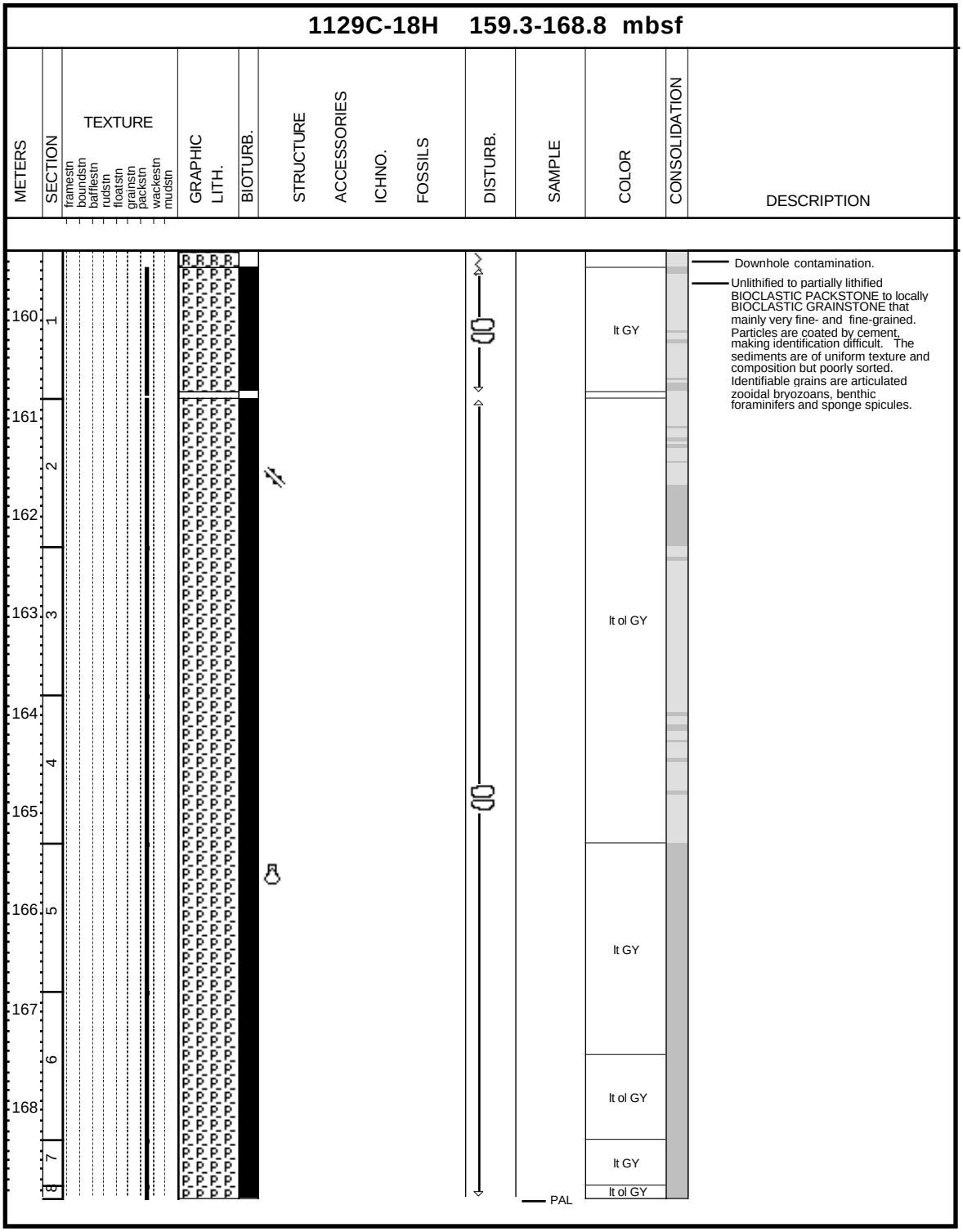
Core Photo


1129C-16H 140.3-149.8 mbsf
METERS
SECTION
TEXTURE
framestn
bndstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
141
142
143
144
145
146
147
148
149
1
2
3
4
5
6
7
8
Downhole contamination.
UNLITHIFIED BIOCLASTIC PACKSTONE with scattered floating bryozoans and UNLITHIFIED BRYOZOAN FLOATSTONE. The sediment is muddy, almost wackestone in texture. The grains are mostly bioclasts in the fine sand to very fine sand range. Other grains present are ostracodes, benthic foraminifers, echinoid spines, fragments of articulated zooidal and delicate branching bryozoans, planktonic foraminifers, brown organic filaments and rare quartz. The texture and composition is relatively uniform throughout. Floating bryozoans are usually granule-size and arborescent, delicate branching and flat robust branching. Floatstones are dominated by granule and larger-size particles of arborescent and delicate branching growth forms. Centimeter-size partially lithified lumps are common throughout both lithologies.
pal YE
lt GY
PAL
Many abraded bryozoan particles.

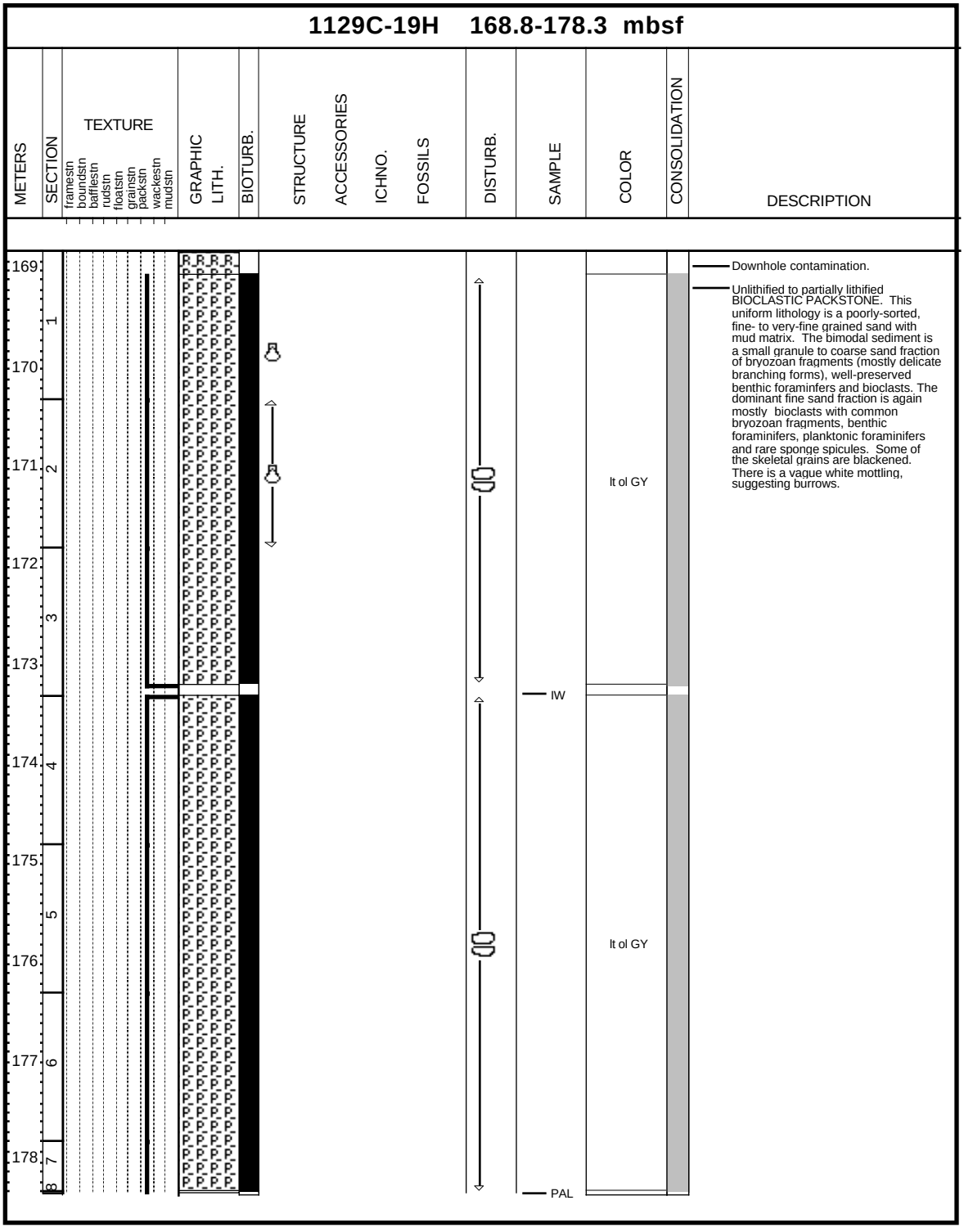
Core Photo


1129C-17H 149.8-159.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
150
151
152
153
154
155
156
157
158
159
1
2
3
4
5
6
7
8
Downhole contamination.
UNLITHIFIED BIOCLASTIC PACKSTONE and GRAINSTONE. This sediment is very fine- to medium-grained and well sorted with most grains consisting of bioclasts with common benthic and planktonic foraminifers, articulated zooidal bryozoans, and lesser ostracodes, sponge spicules and blackened grains. Sediment becomes finer grained downward. Carbonate grains are coated with carbonate cement.
lt ol GY
lt GY
lt ol GY
Gradual change.
IW
lt GY
PAL

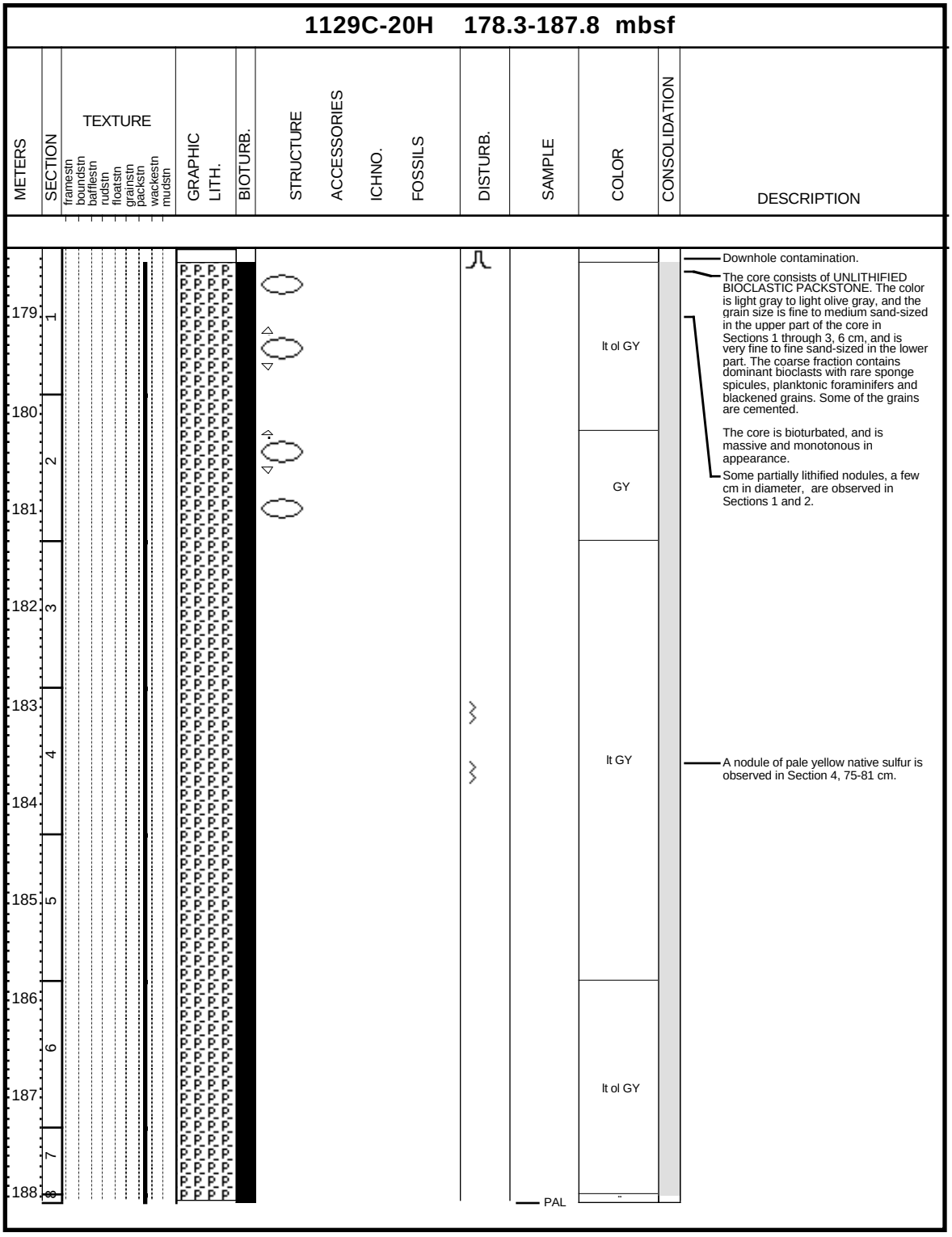
Core Photo


1129C-18H 159.3-168.8 mbsf
METERS
SECTION
TEXTURE
framestn
bourndstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
160
161
162
163
164
165
166
167
168
1
2
3
4
5
6
7
8
lt GY
lt ol GY
lt ol GY
lt GY
lt ol GY
PAL
Downhole contamination.
Unlithified to partially lithified BIOCLASTIC PACKSTONE to locally BIOCLASTIC GRAINSTONE that mainly very fine- and fine-grained. Particles are coated by cement, making identification difficult. The sediments are of uniform texture and composition but poorly sorted. Identifiable grains are articulated zooidal bryozoans, benthic foraminifers and sponge spicules.

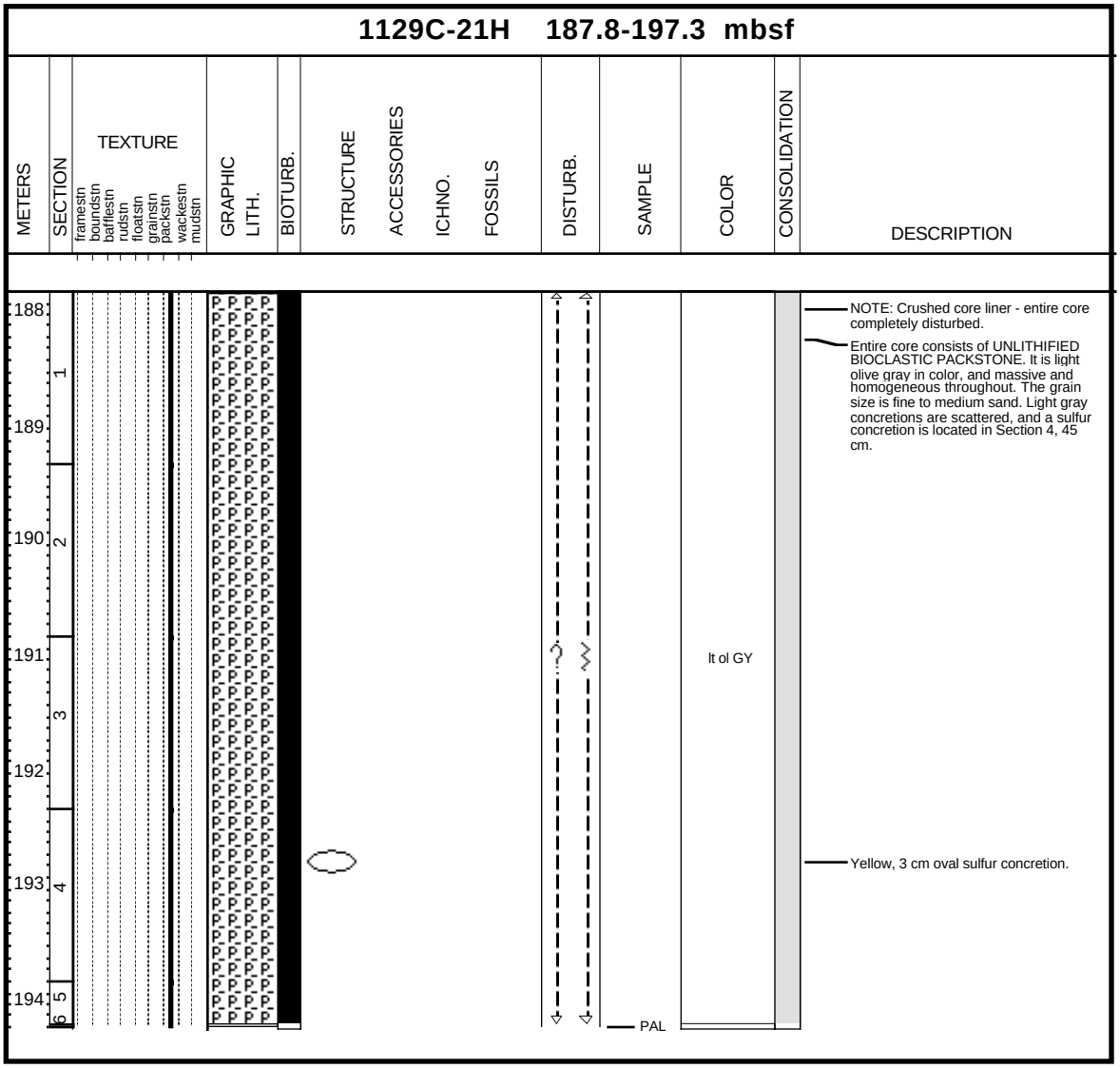
Core Photo


1129C-19H 168.8-178.3 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
169
170
171
172
173
174
175
176
177
178
1
2
3
4
5
6
7
8
IW
PAL
lt ol GY
lt ol GY
Downhole contamination.
Unlithified to partially lithified BIOCLASTIC PACKSTONE. This uniform lithology is a poorly-sorted, fine- to very-fine grained sand with mud matrix. The bimodal sediment is a small granule to coarse sand fraction of bryozoan fragments (mostly delicate branching forms), well-preserved benthic foraminfers and bioclasts. The dominant fine sand fraction is again mostly bioclasts with common bryozoan fragments, benthic foraminifers, planktonic foraminifers and rare sponge spicules. Some of the skeletal grains are blackened. There is a vague white mottling, suggesting burrows.

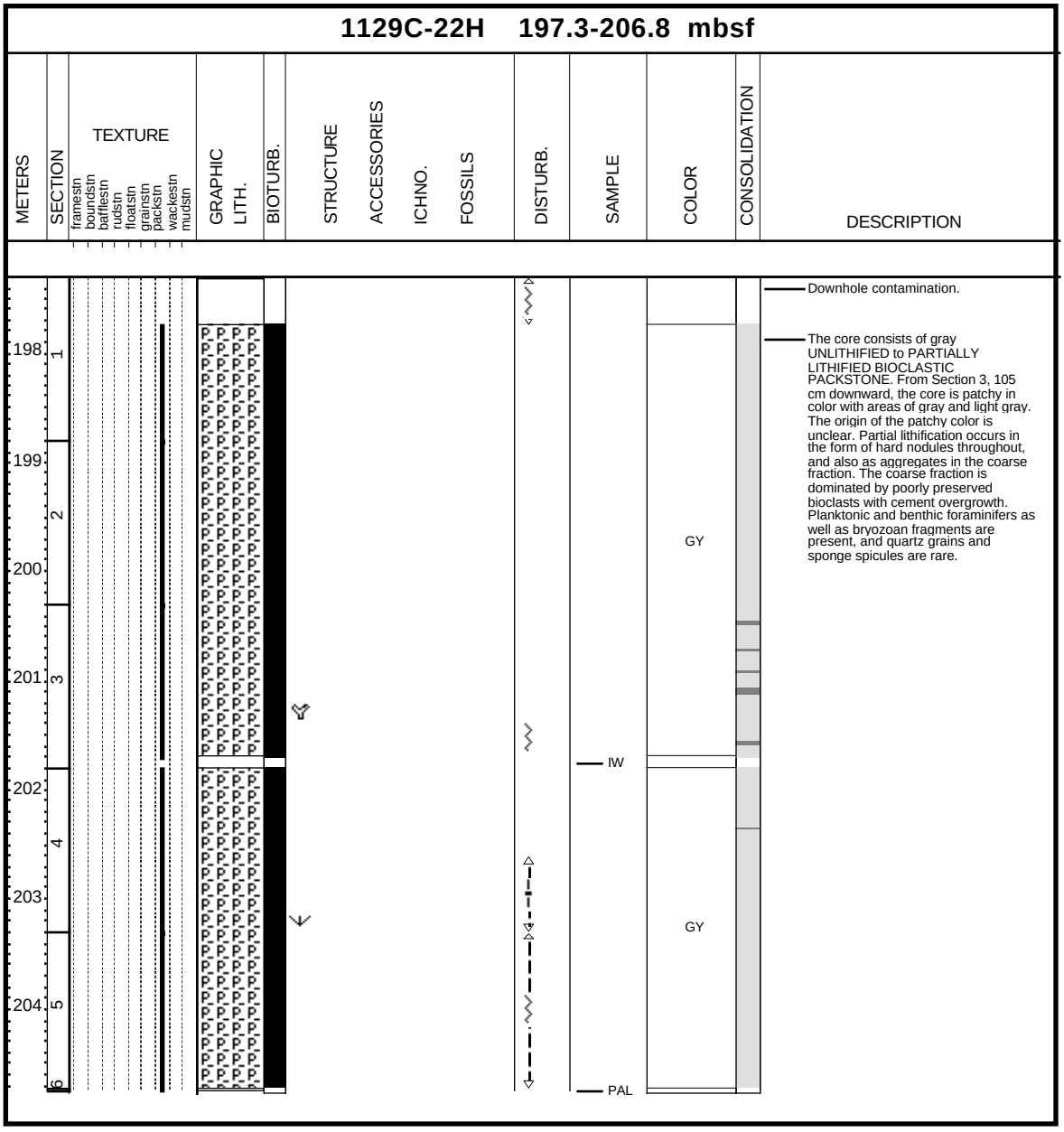
Core Photo


1129C-20H 178.3-187.8 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
179
180
181
182
183
184
185
186
187
188
1
2
3
4
5
6
7
CC
lt ol GY
GY
lt GY
lt ol GY
PAL
Downhole contamination.
The core consists of UNLITHIFIED BIOCLASTIC PACKSTONE. The color is light gray to light olive gray, and the grain size is fine to medium sand-sized in the upper part of the core in Sections 1 through 3, 6 cm, and is very fine to fine sand-sized in the lower part. The coarse fraction contains dominant bioclasts with rare sponge spicules, planktonic foraminifers and blackened grains. Some of the grains are cemented.
The core is bioturbated, and is massive and monotonous in appearance.
Some partially lithified nodules, a few cm in diameter, are observed in Sections 1 and 2.
A nodule of pale yellow native sulfur is observed in Section 4, 75-81 cm.

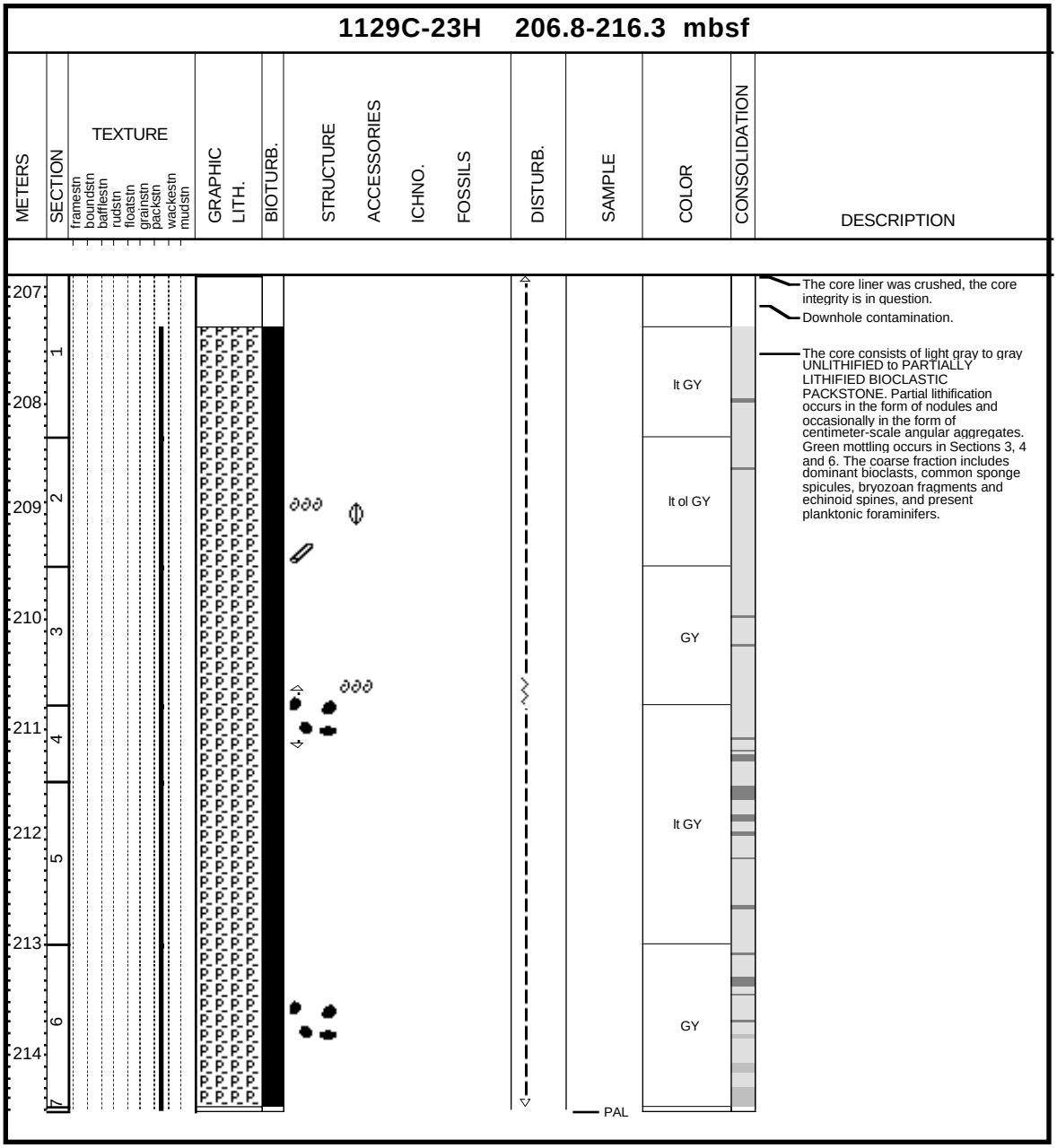
Core Photo


1129C-21H 187.8-197.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
188
189
190
191
192
193
194
1
2
3
4
5
6
lt ol GY
PAL
NOTE: Crushed core liner - entire core completely disturbed.
Entire core consists of UNLITHIFIED BIOCLASTIC PACKSTONE. It is light olive gray in color, and massive and homogeneous throughout. The grain size is fine to medium sand. Light gray concretions are scattered, and a sulfur concretion is located in Section 4, 45 cm.
Yellow, 3 cm oval sulfur concretion.

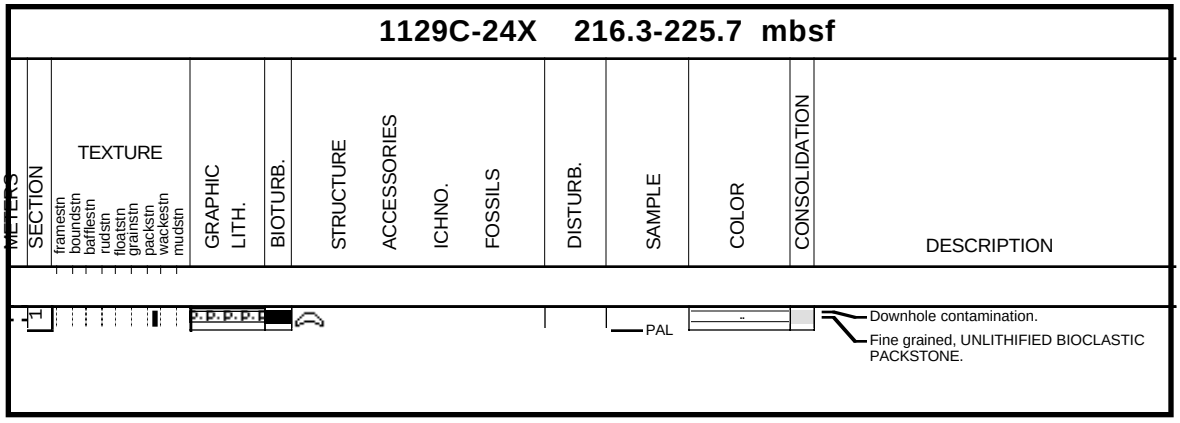
Core Photo


1129C-22H 197.3-206.8 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
198
199
200
201
202
203
204
1
2
3
4
5
6
IW
PAL
GY
GY
Downhole contamination.
The core consists of gray UNLITHIFIED to PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. From Section 3, 105 cm downward, the core is patchy in color with areas of gray and light gray. The origin of the patchy color is unclear. Partial lithification occurs in the form of hard nodules throughout, and also as aggregates in the coarse fraction. The coarse fraction is dominated by poorly preserved bioclasts with cement overgrowth. Planktonic and benthic foraminifers as well as bryozoan fragments are present, and quartz grains and sponge spicules are rare.

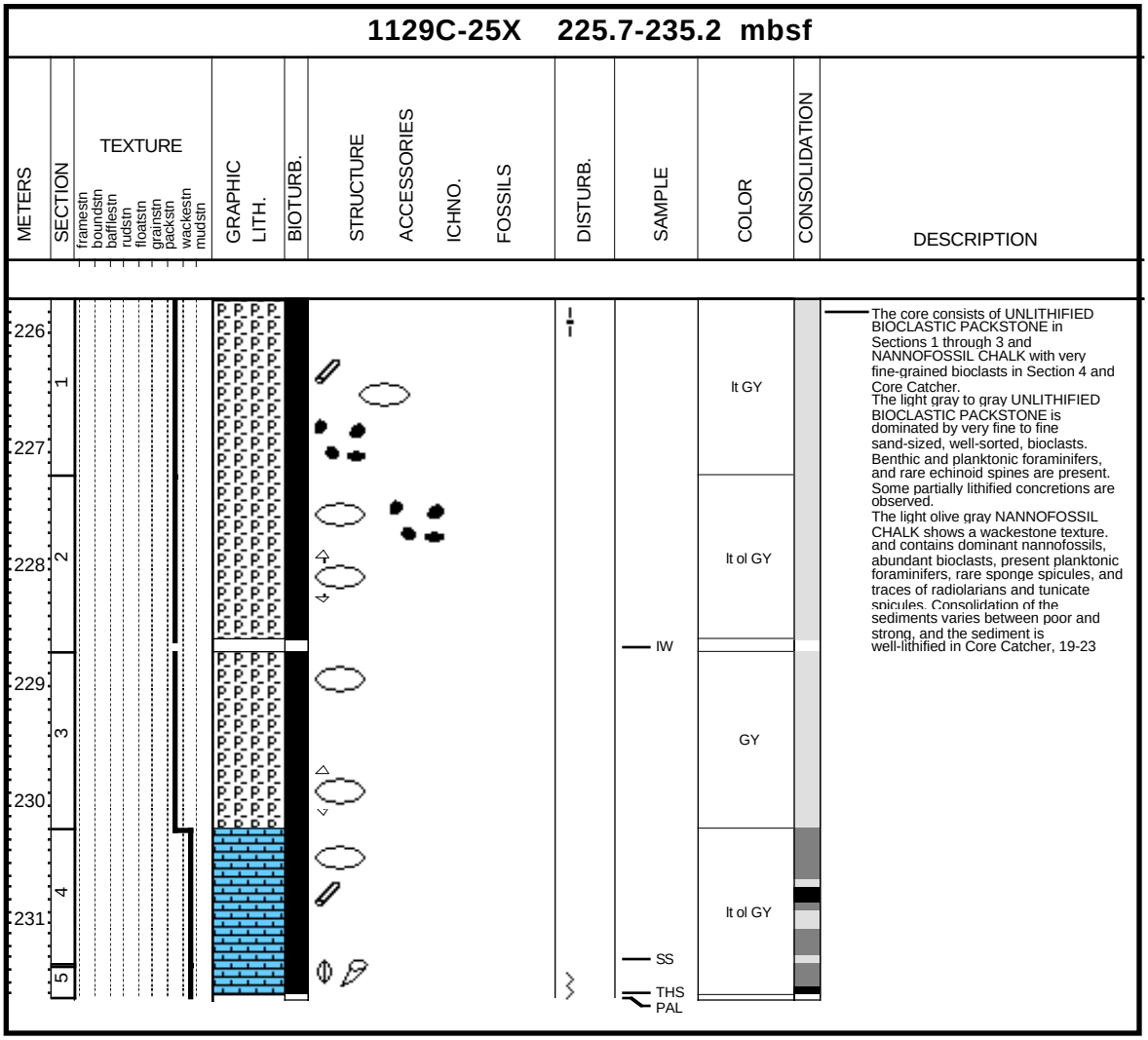
Core Photo


1129C-23H 206.8-216.3 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
207
208
209
210
211
212
213
214
1
2
3
4
5
6
7
lt GY
lt ol GY
GY
lt GY
GY
PAL
The core liner was crushed, the core integrity is in question.
Downhole contamination.
The core consists of light gray to gray UNLITHIFIED to PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. Partial lithification occurs in the form of nodules and occasionally in the form of centimeter-scale angular aggregates. Green mottling occurs in Sections 3, 4 and 6. The coarse fraction includes dominant bioclasts, common sponge spicules, bryozoan fragments and echinoid spines, and present planktonic foraminifers.

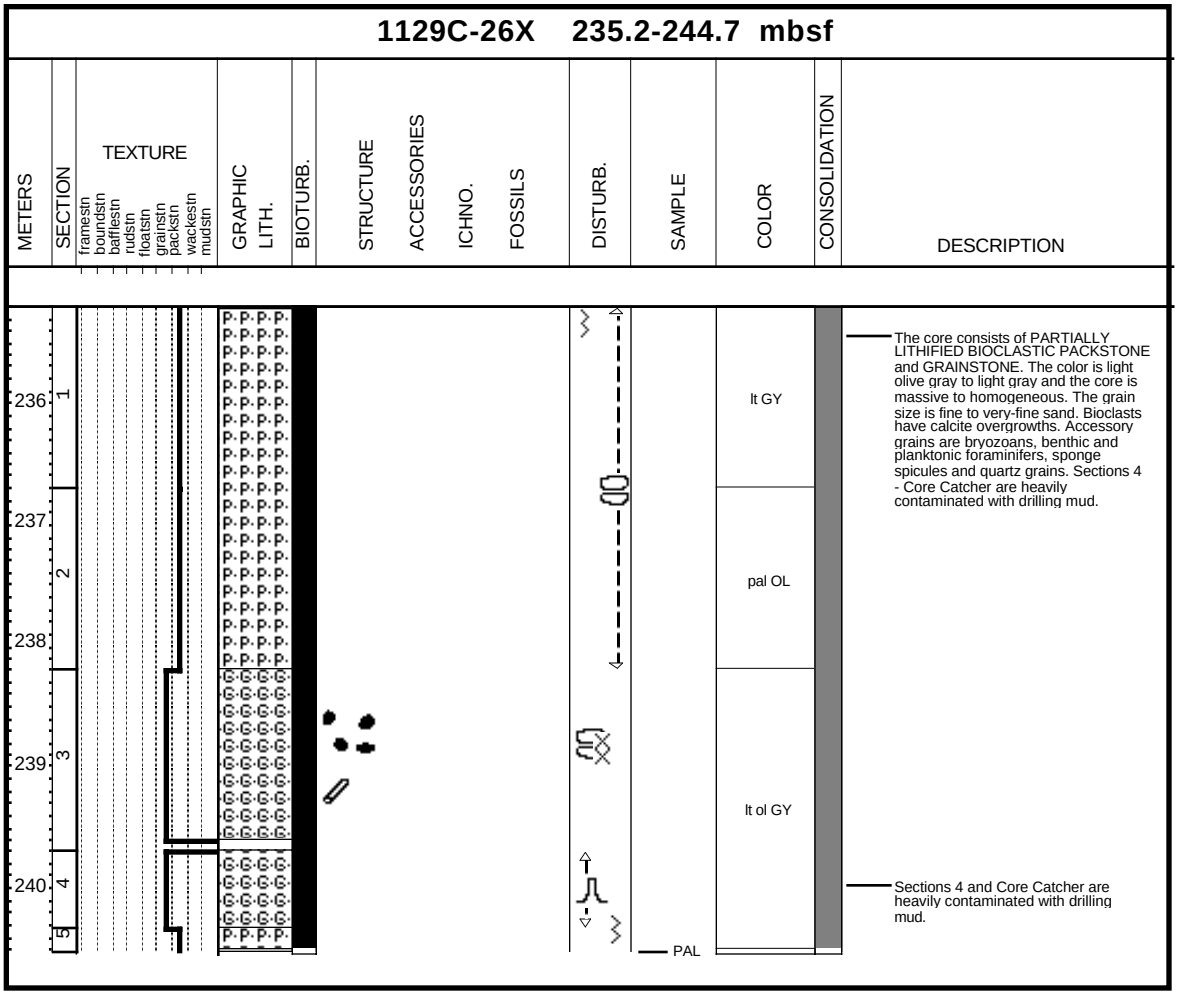
Core Photo


1129C-24X 216.3-225.7 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
Downhole contamination.
Fine grained, UNLITHIFIED BIOCLASTIC PACKSTONE.

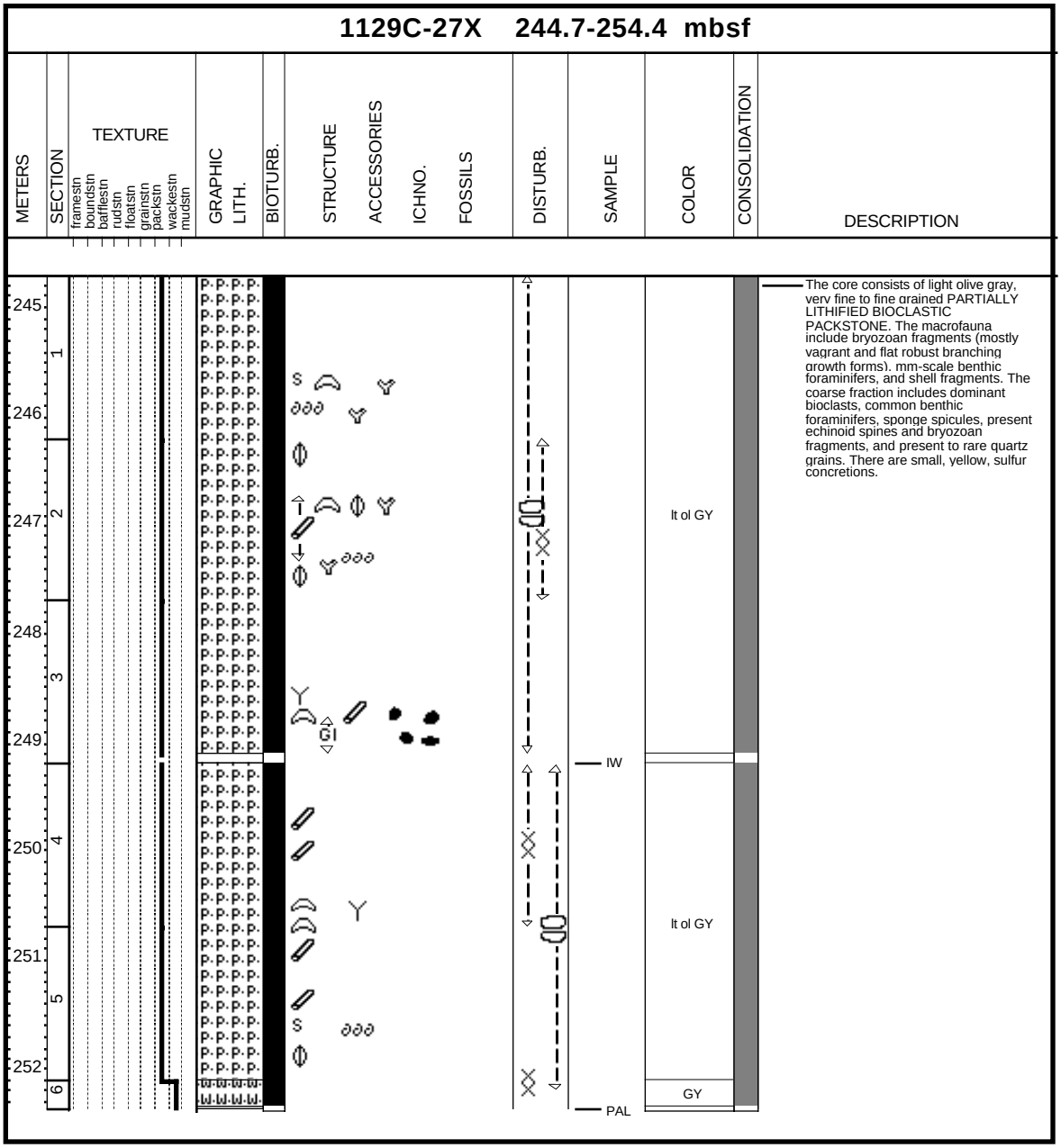
Core Photo


1129C-25X 225.7-235.2 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
226
227
228
229
230
231
1
2
3
4
5
IW
SS
THS
PAL
lt GY
lt ol GY
GY
lt ol GY
The core consists of UNLITHIFIED BIOCLASTIC PACKSTONE in Sections 1 through 3 and NANNOFOSSIL CHALK with very fine-grained bioclasts in Section 4 and Core Catcher.
The light gray to gray UNLITHIFIED BIOCLASTIC PACKSTONE is dominated by very fine to fine sand-sized, well-sorted, bioclasts. Benthic and planktonic foraminifers, and rare echinoid spines are present. Some partially lithified concretions are observed.
The light olive gray NANNOFOSSIL CHALK shows a wackestone texture, and contains dominant nannofossils, abundant bioclasts, present planktonic foraminifers, rare sponge spicules, and traces of radiolarians and tunicate spicules. Consolidation of the sediments varies between poor and strong, and the sediment is well-lithified in Core Catcher, 19-23

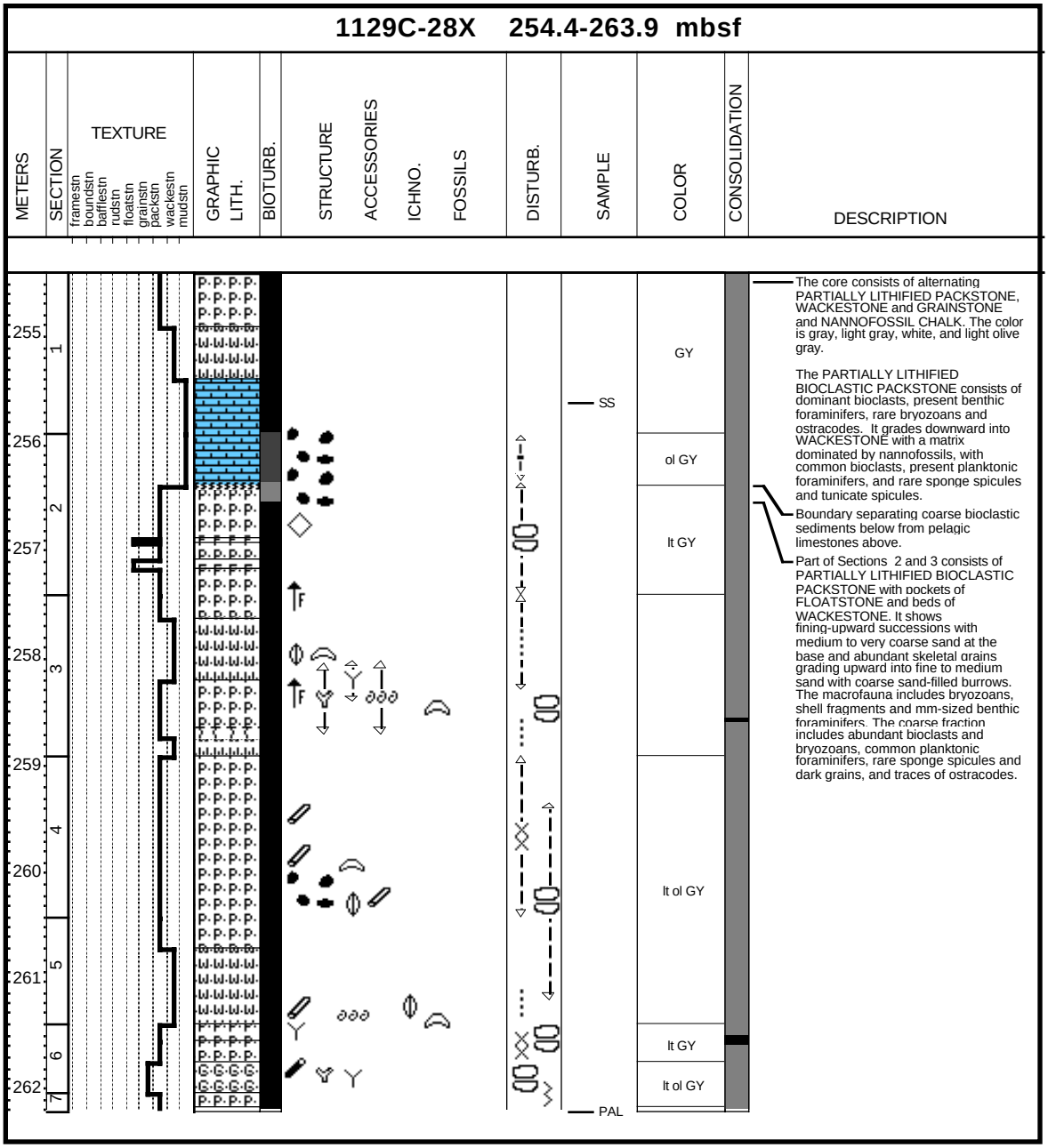
Core Photo


1129C-26X 235.2-244.7 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
236
237
238
239
240
1
2
3
4
5
lt GY
pal OL
lt ol GY
PAL
The core consists of PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE and GRAINSTONE. The color is light olive gray to light gray and the core is massive to homogeneous. The grain size is fine to very-fine sand. Bioclasts have calcite overgrowths. Accessory grains are bryozoans, benthic and planktonic foraminifers, sponge spicules and quartz grains. Sections 4 - Core Catcher are heavily contaminated with drilling mud.
Sections 4 and Core Catcher are heavily contaminated with drilling mud.

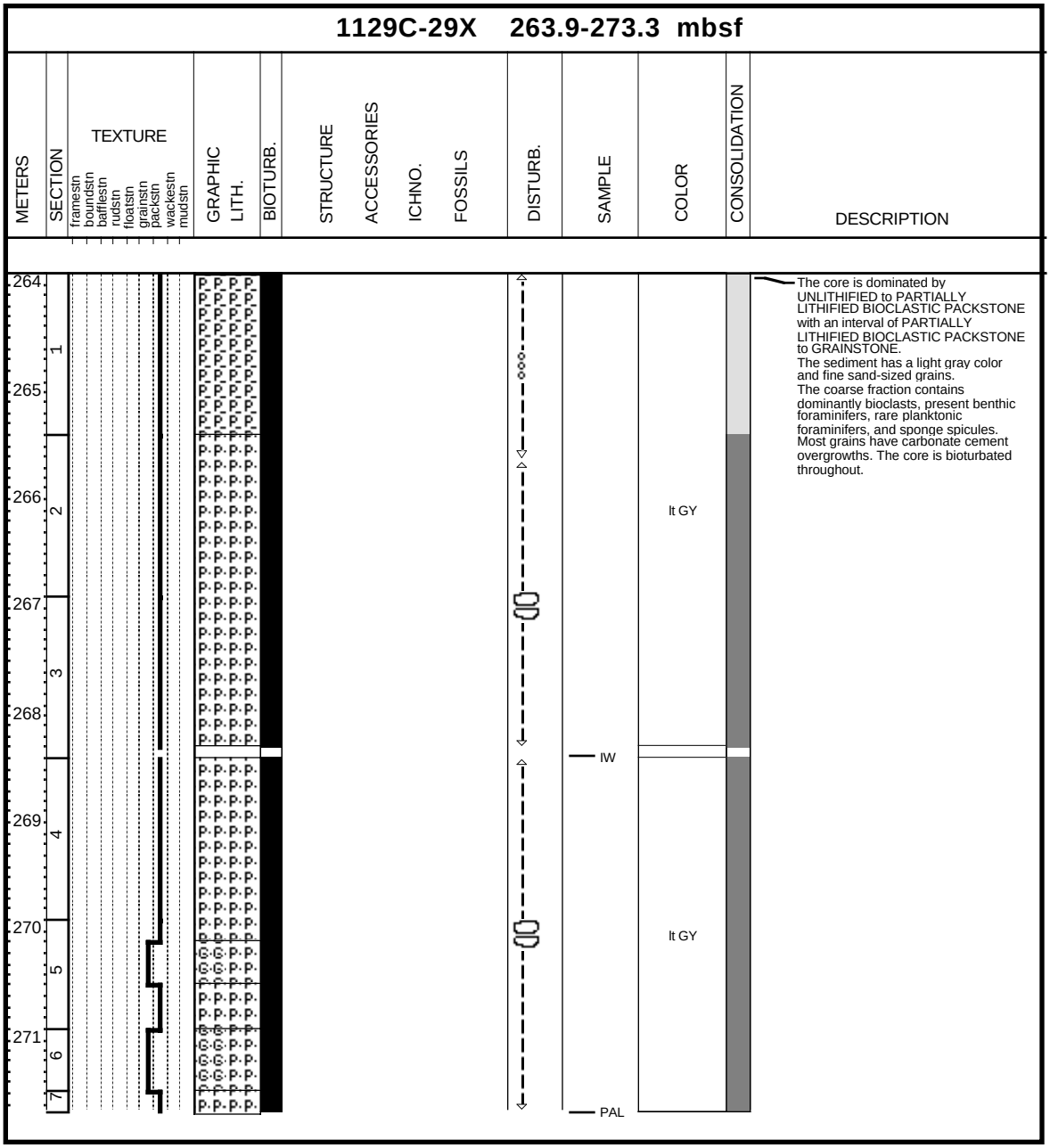
Core Photo


1129C-27X 244.7-254.4 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
245
246
247
248
249
250
251
252
1
2
3
4
5
6
GI
IW
PAL
lt ol GY
lt ol GY
GY
The core consists of light olive gray, very fine to fine grained PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. The macrofauna include bryozoan fragments (mostly vagrant and flat robust branching growth forms), mm-scale benthic foraminifers, and shell fragments. The coarse fraction includes dominant bioclasts, common benthic foraminifers, sponge spicules, present echinoid spines and bryozoan fragments, and present to rare quartz grains. There are small, yellow, sulfur concretions.

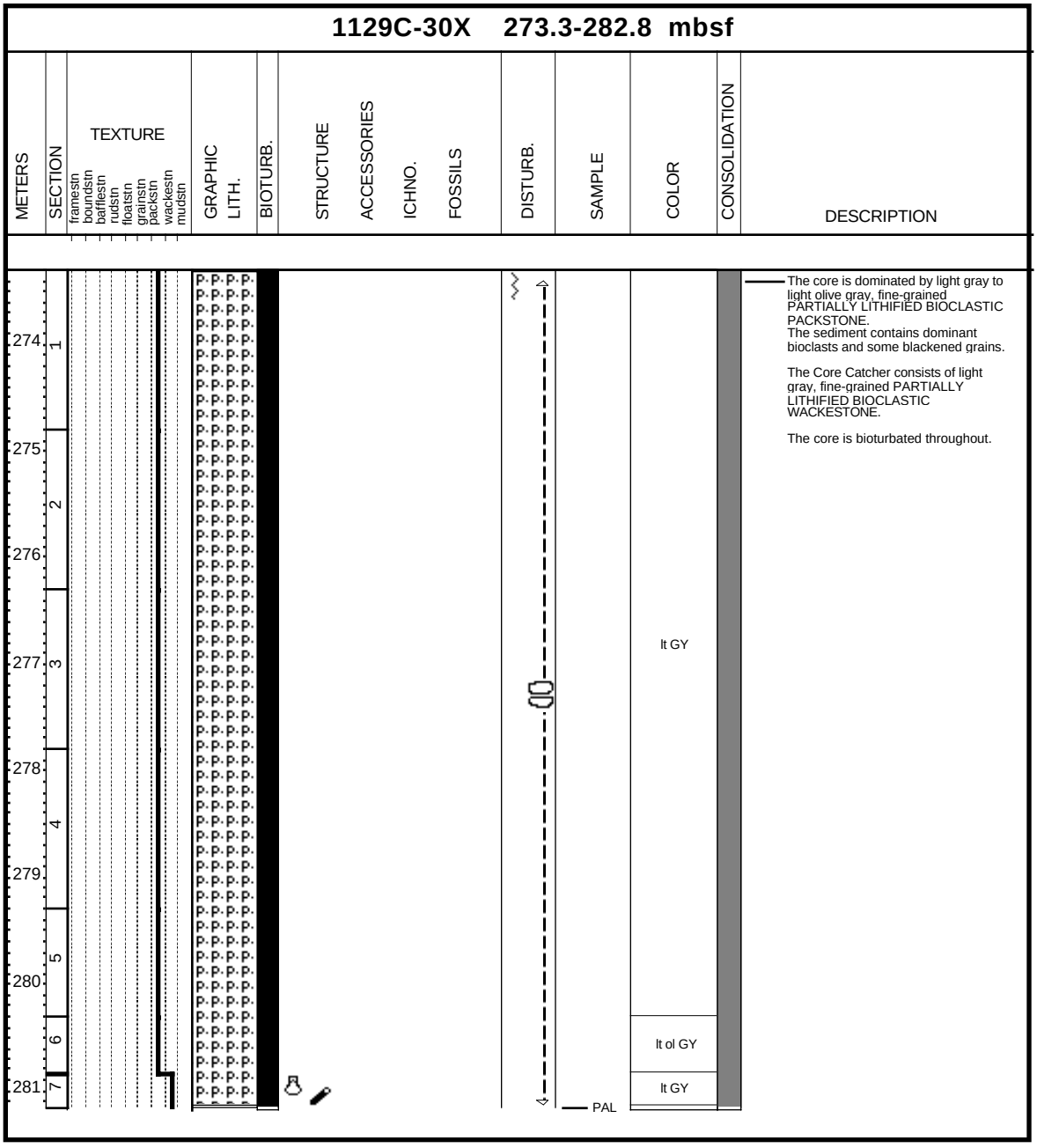
Core Photo


1129C-28X 254.4-263.9 mbsf
METERS
SECTION
TEXTURE
framestn
bounstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
255
256
257
258
259
260
261
262
1
2
3
4
5
6
7
F
SS
PAL
GY
ol GY
lt GY
lt ol GY
lt GY
lt ol GY
The core consists of alternating PARTIALLY LITHIFIED PACKSTONE, WACKESTONE and GRAINSTONE and NANNOFOSSIL CHALK. The color is gray, light gray, white, and light olive gray.
The PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE consists of dominant bioclasts, present benthic foraminifers, rare bryozoans and ostracodes. It grades downward into WACKESTONE with a matrix dominated by nannofossils, with common bioclasts, present planktonic foraminifers, and rare sponge spicules and tunicate spicules.
Boundary separating coarse bioclastic sediments below from pelagic limestones above.
Part of Sections 2 and 3 consists of PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE with pockets of FLOATSTONE and beds of WACKESTONE. It shows fining-upward successions with medium to very coarse sand at the base and abundant skeletal grains grading upward into fine to medium sand with coarse sand-filled burrows. The macrofauna includes bryozoans, shell fragments and mm-sized benthic foraminifers. The coarse fraction includes abundant bioclasts and bryozoans, common planktonic foraminifers, rare sponge spicules and dark grains, and traces of ostracodes.

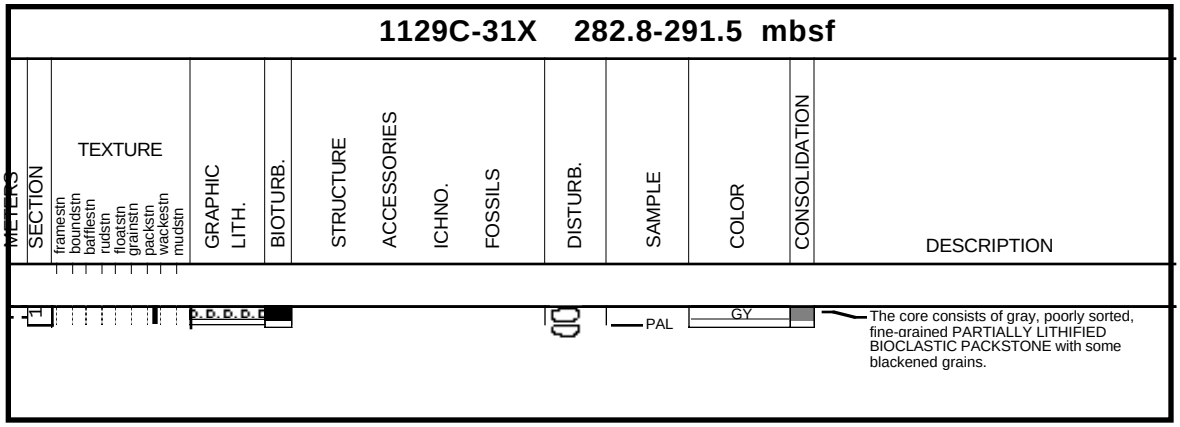
Core Photo


1129C-29X 263.9-273.3 mbsf
METERS
SECTION
TEXTURE
framestn
bourndstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
264
265
266
267
268
269
270
271
1
2
3
4
5
6
7
IW
PAL
lt GY
lt GY
The core is dominated by UNLITHIFIED to PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE with an interval of PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE to GRAINSTONE.
The sediment has a light gray color and fine sand-sized grains.
The coarse fraction contains dominantly bioclasts, present benthic foraminifers, rare planktonic foraminifers, and sponge spicules.
Most grains have carbonate cement overgrowths. The core is bioturbated throughout.

Core Photo

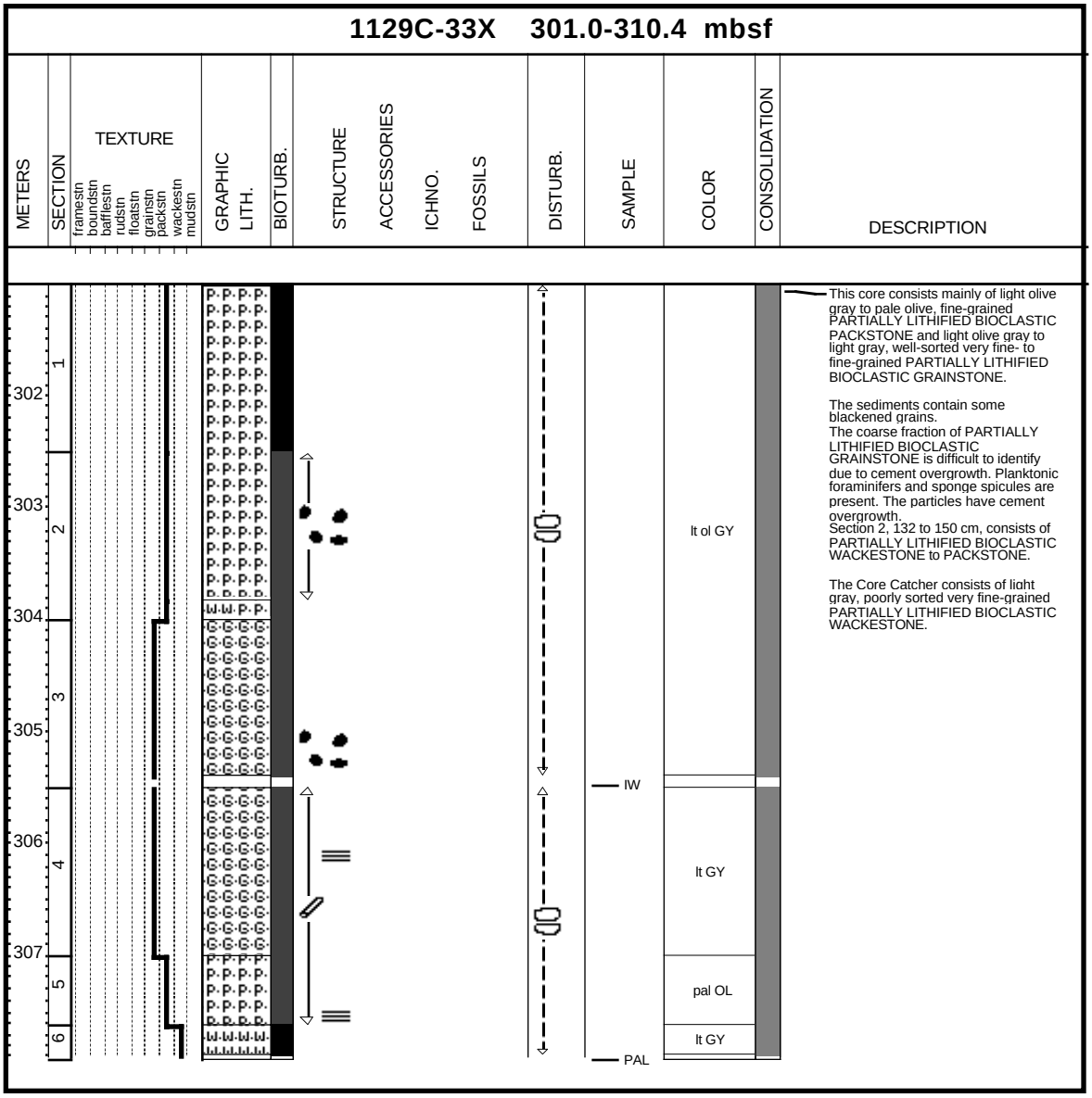

1129C-30X 273.3-282.8 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
274
275
276
277
278
279
280
281
1
2
3
4
5
6
7
lt GY
lt ol GY
lt GY
PAL
The core is dominated by light gray to light olive gray, fine-grained PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE.
The sediment contains dominant bioclasts and some blackened grains.
The Core Catcher consists of light gray, fine-grained PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE.
The core is bioturbated throughout.

Core Photo

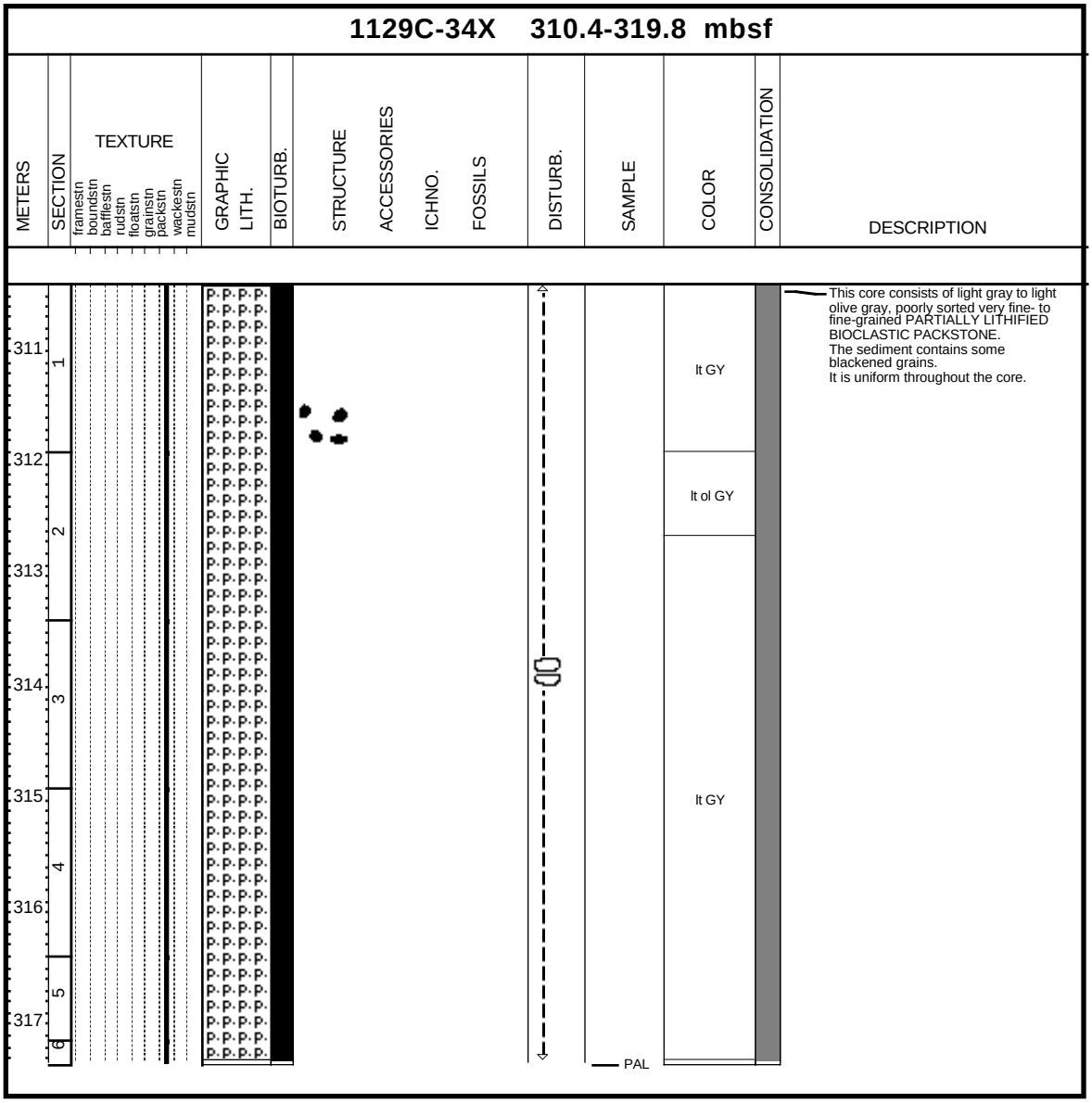


1129C-32X NO RECOVERY

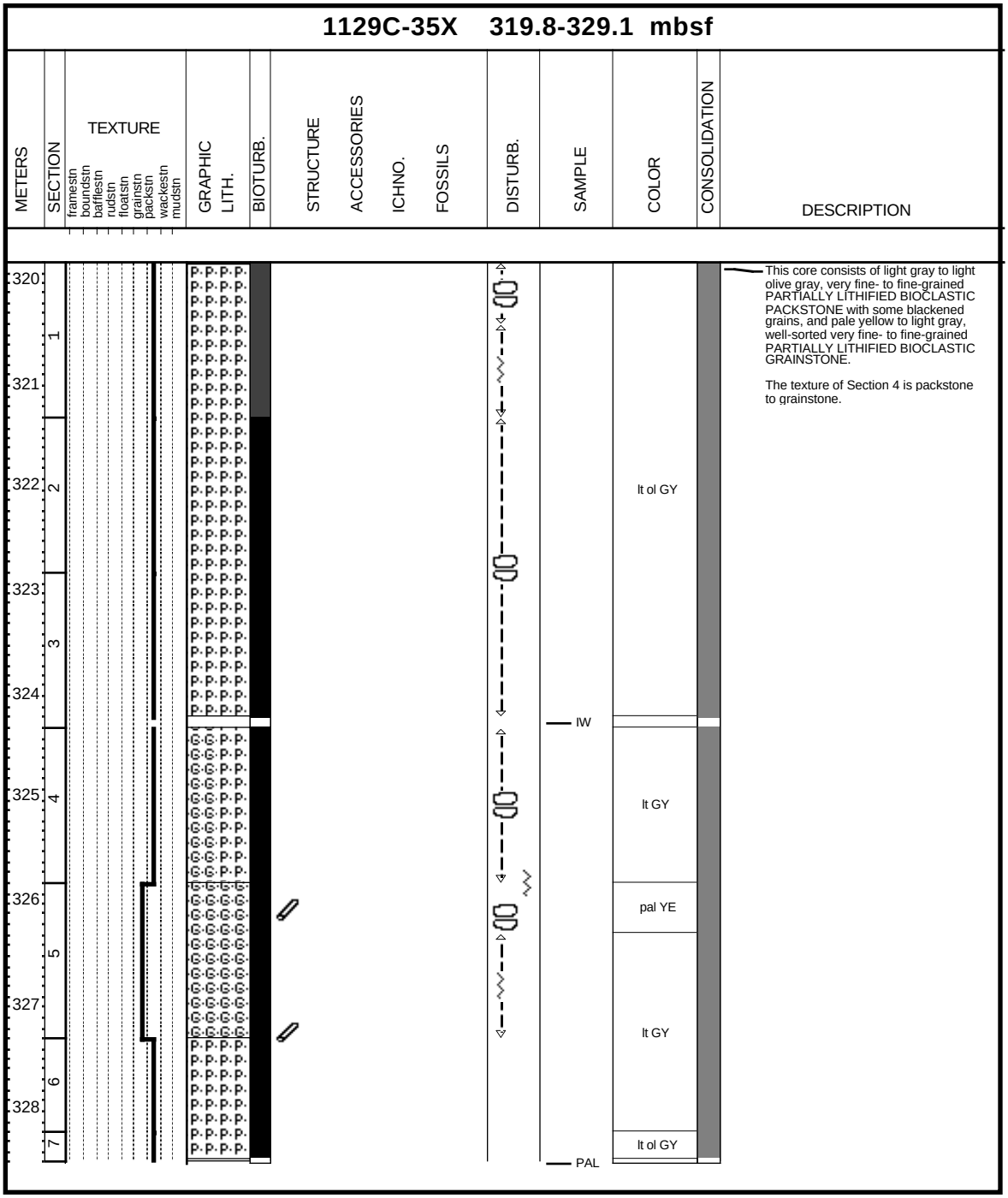
Core Photo


1129C-33X 301.0-310.4 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
302
303
304
305
306
307
1
2
3
4
5
6
IW
PAL
lt ol GY
lt GY
pal OL
lt GY
This core consists mainly of light olive gray to pale olive, fine-grained PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE and light olive gray to light gray, well-sorted very fine- to fine-grained PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE.
The sediments contain some blackened grains.
The coarse fraction of PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE is difficult to identify due to cement overgrowth. Planktonic foraminifers and sponge spicules are present. The particles have cement overgrowth.
Section 2, 132 to 150 cm, consists of PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE to PACKSTONE.
The Core Catcher consists of light gray, poorly sorted very fine-grained PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE.

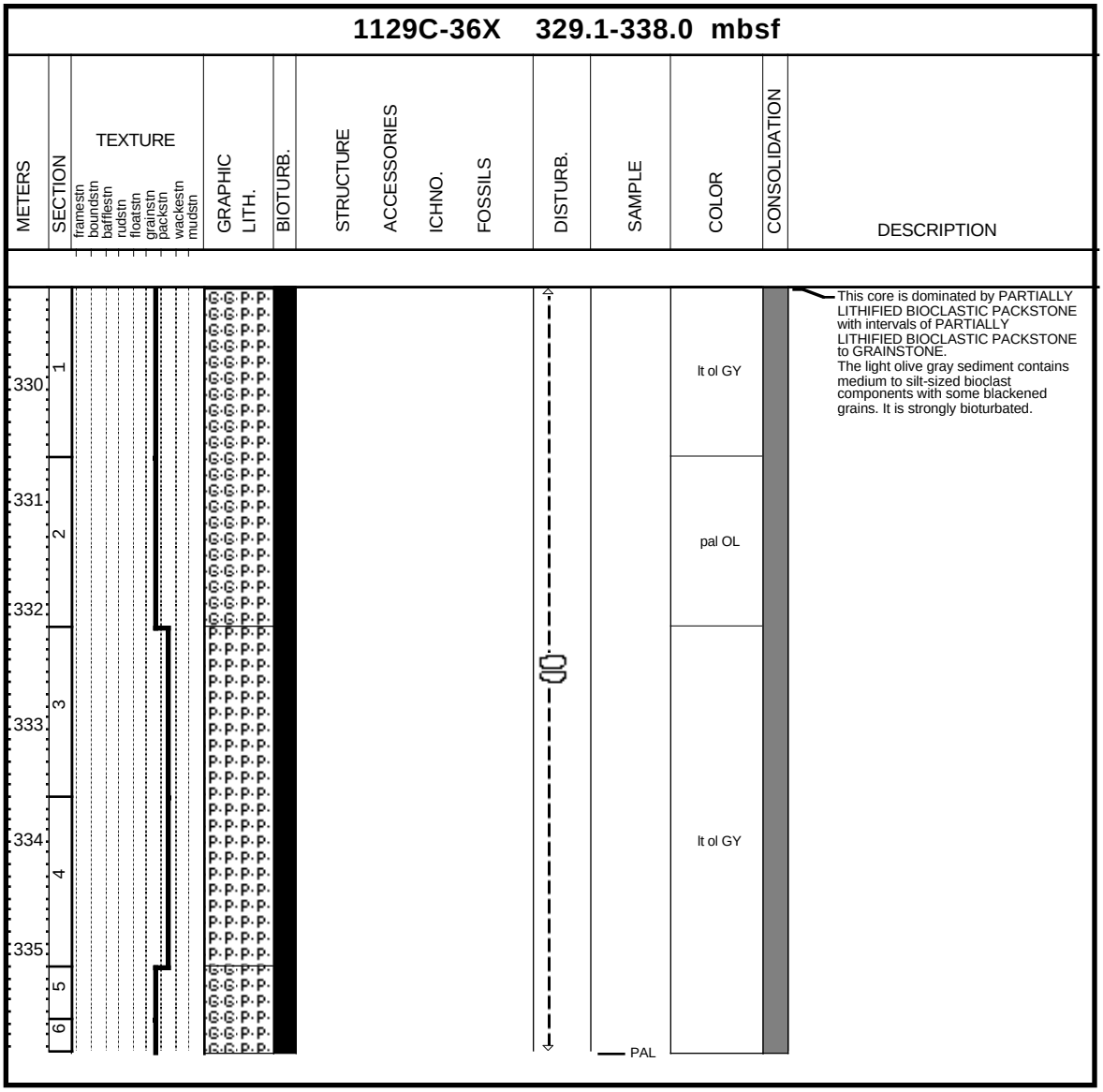
Core Photo


1129C-34X 310.4-319.8 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
311
312
313
314
315
316
317
1
2
3
4
5
6
lt GY
lt ol GY
lt GY
PAL
This core consists of light gray to light olive gray, poorly sorted very fine- to fine-grained PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE.
The sediment contains some blackened grains.
It is uniform throughout the core.

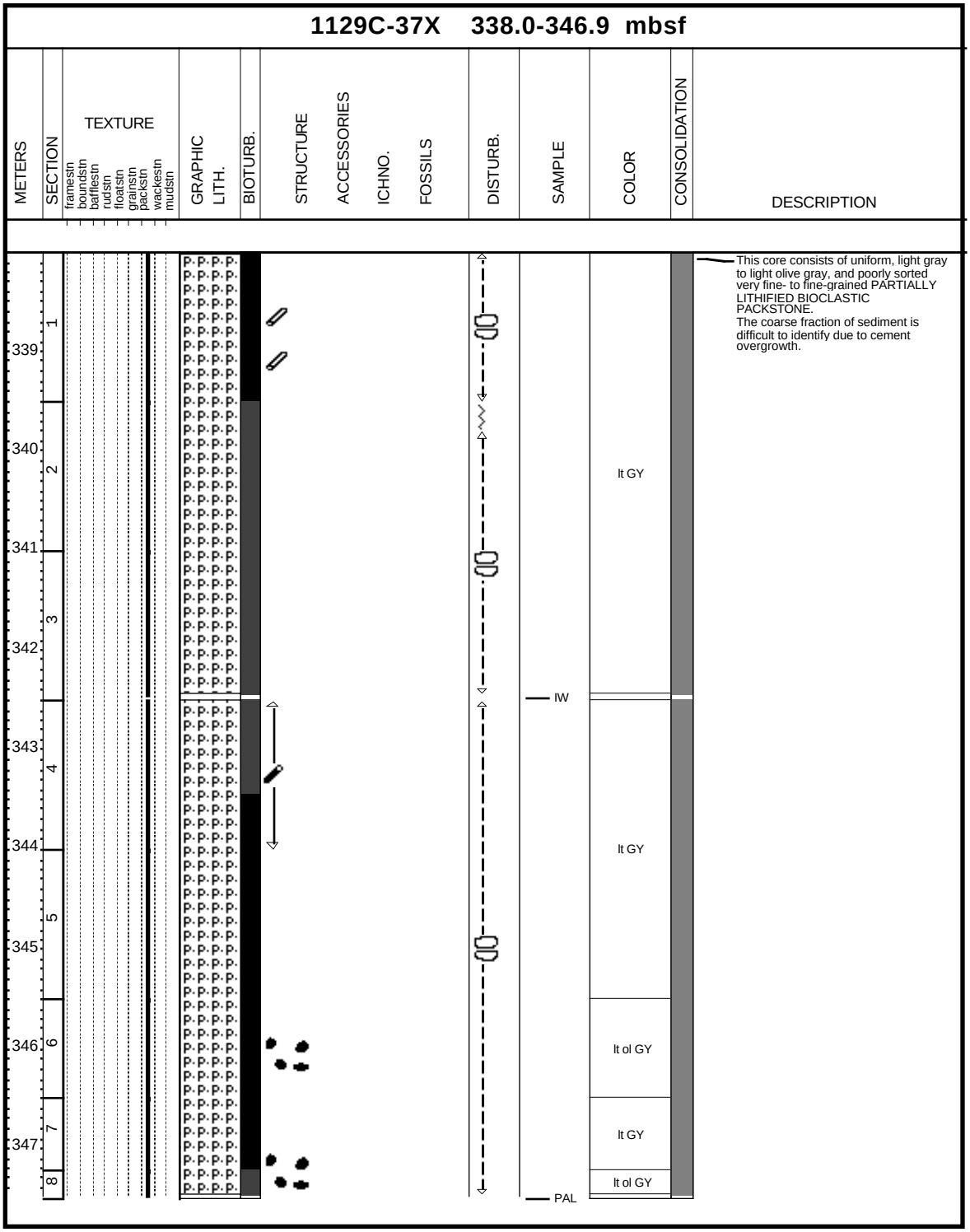
Core Photo


1129C-35X 319.8-329.1 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
320
321
322
323
324
325
326
327
328
1
2
3
4
5
6
7
IW
PAL
lt ol GY
lt GY
pal YE
lt GY
lt ol GY
This core consists of light gray to light olive gray, very fine- to fine-grained PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE with some blackened grains, and pale yellow to light gray, well-sorted very fine- to fine-grained PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE.
The texture of Section 4 is packstone to grainstone.

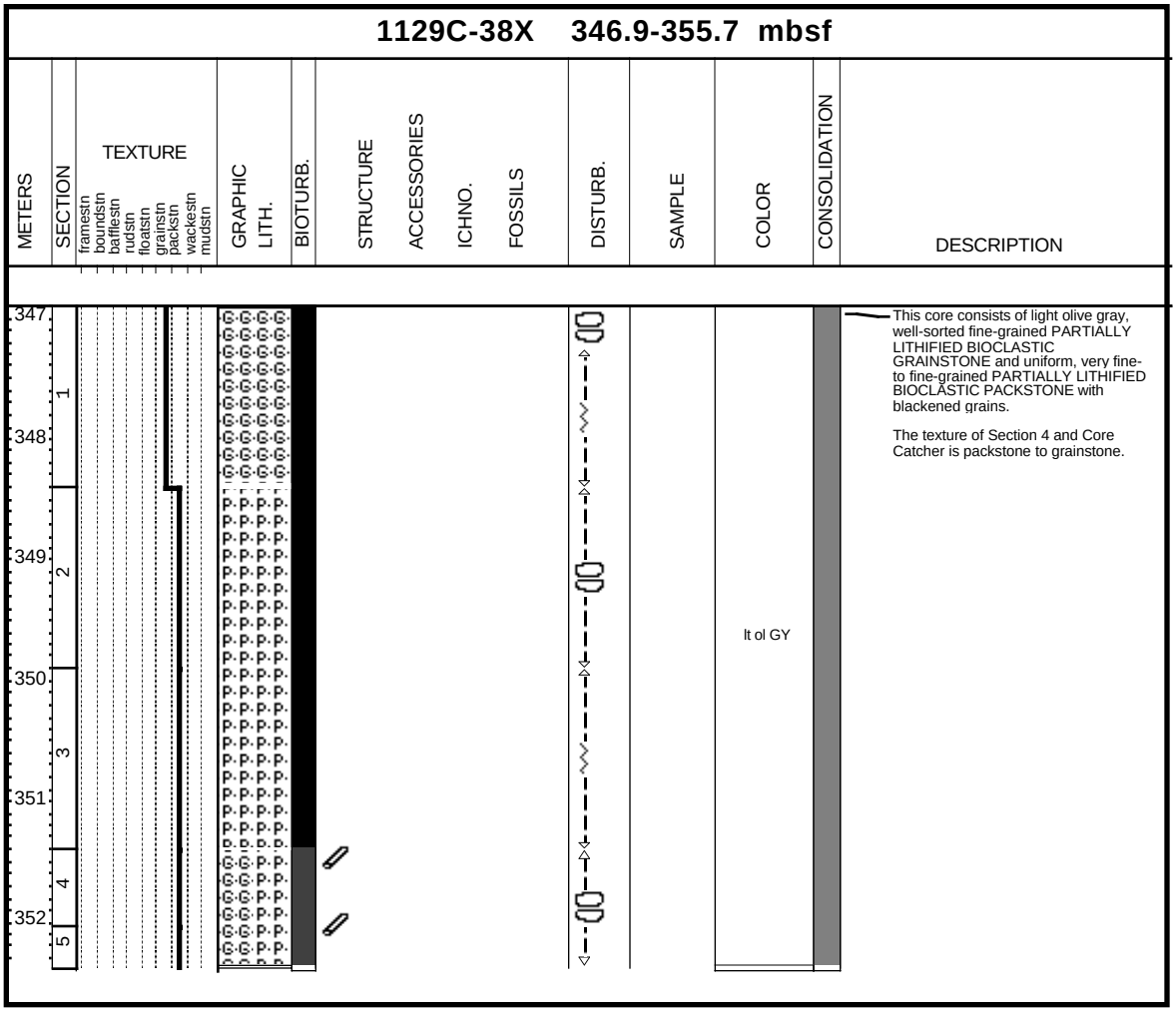
Core Photo


1129C-36X 329.1-338.0 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
330
331
332
333
334
335
1
2
3
4
5
6
lt ol GY
pal OL
lt ol GY
PAL
This core is dominated by PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE with intervals of PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE to GRAINSTONE.
The light olive gray sediment contains medium to silt-sized bioclast components with some blackened grains. It is strongly bioturbated.

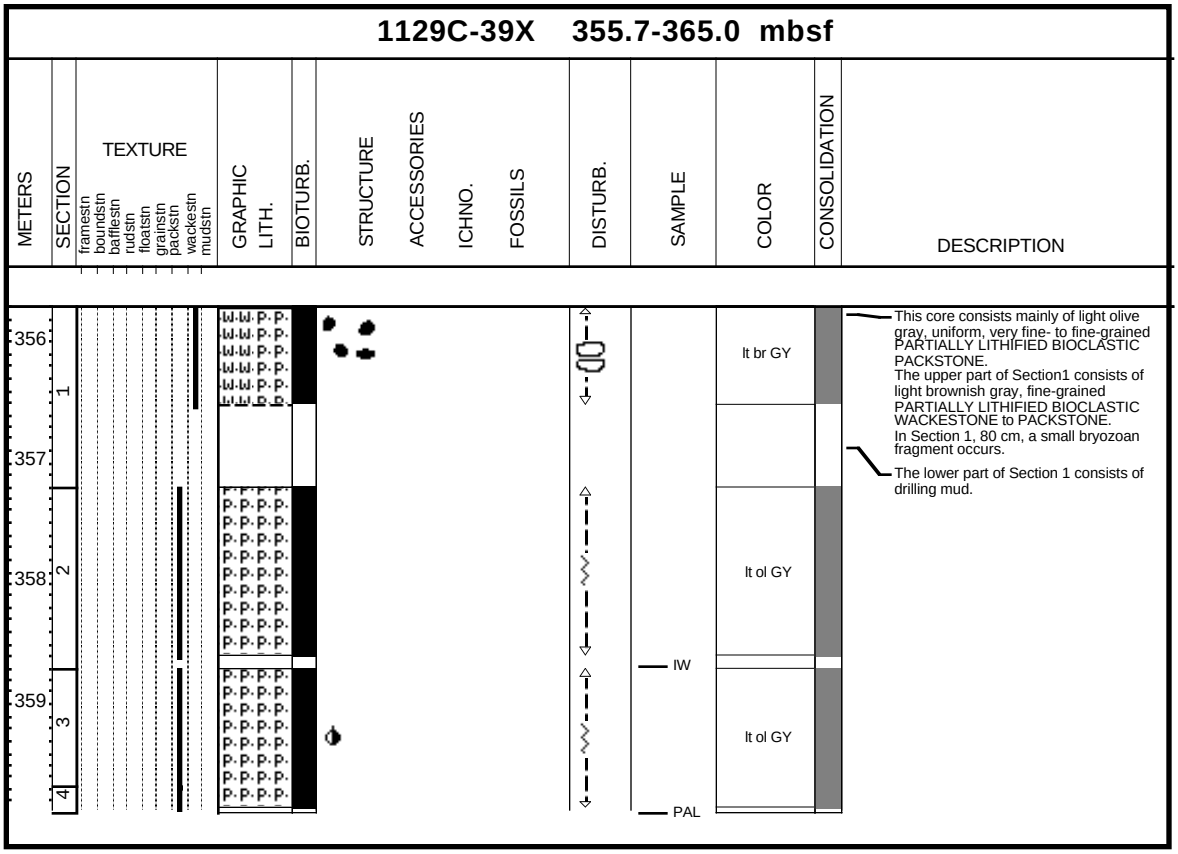
Core Photo


1129C-37X 338.0-346.9 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
339
340
341
342
343
344
345
346
347
1
2
3
4
5
6
7
8
IW
PAL
lt GY
lt GY
lt ol GY
lt GY
lt ol GY
This core consists of uniform, light gray to light olive gray, and poorly sorted very fine- to fine-grained PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE.
The coarse fraction of sediment is difficult to identify due to cement overgrowth.

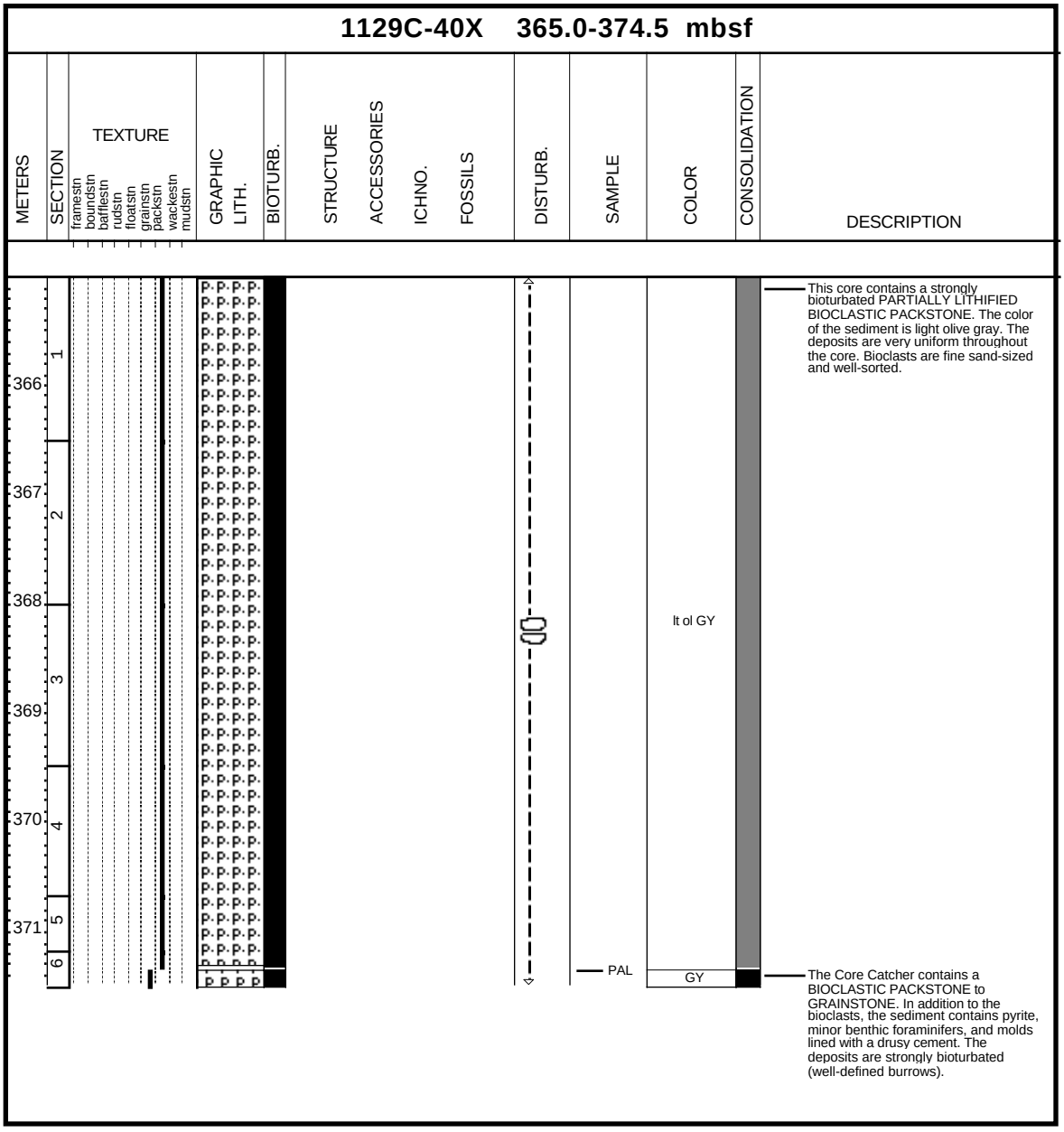
Core Photo


1129C-38X 346.9-355.7 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
347
348
349
350
351
352
1
2
3
4
5
lt ol GY
This core consists of light olive gray, well-sorted fine-grained PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE and uniform, very fine- to fine-grained PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE with blackened grains.
The texture of Section 4 and Core Catcher is packstone to grainstone.

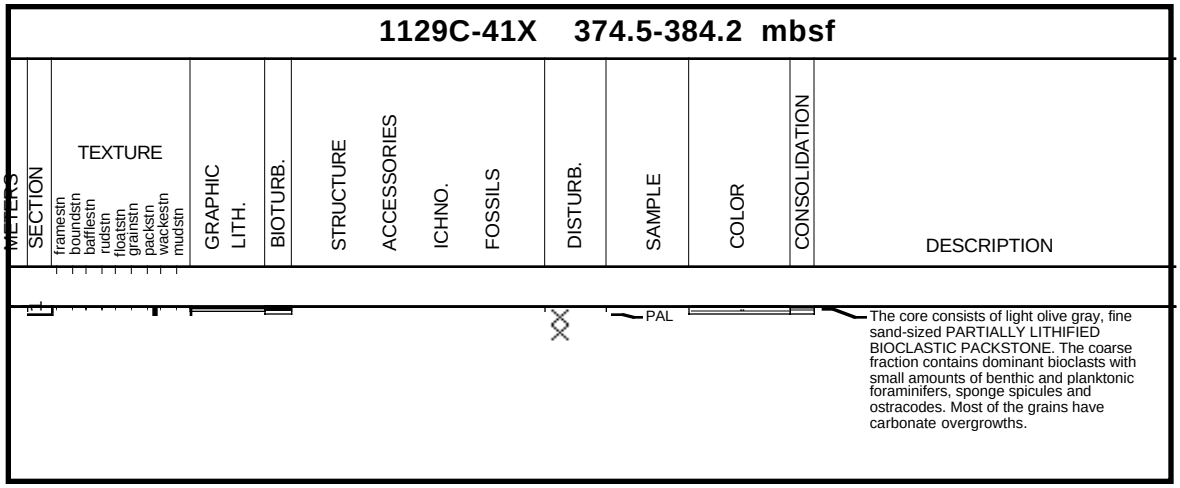
Core Photo


1129C-39X 355.7-365.0 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
356
357
358
359
1
2
3
4
IW
PAL
lt br GY
lt ol GY
lt ol GY
This core consists mainly of light olive gray, uniform, very fine- to fine-grained PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE.
The upper part of Section1 consists of light brownish gray, fine-grained PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE to PACKSTONE.
In Section 1, 80 cm, a small bryozoan fragment occurs.
The lower part of Section 1 consists of drilling mud.

Core Photo

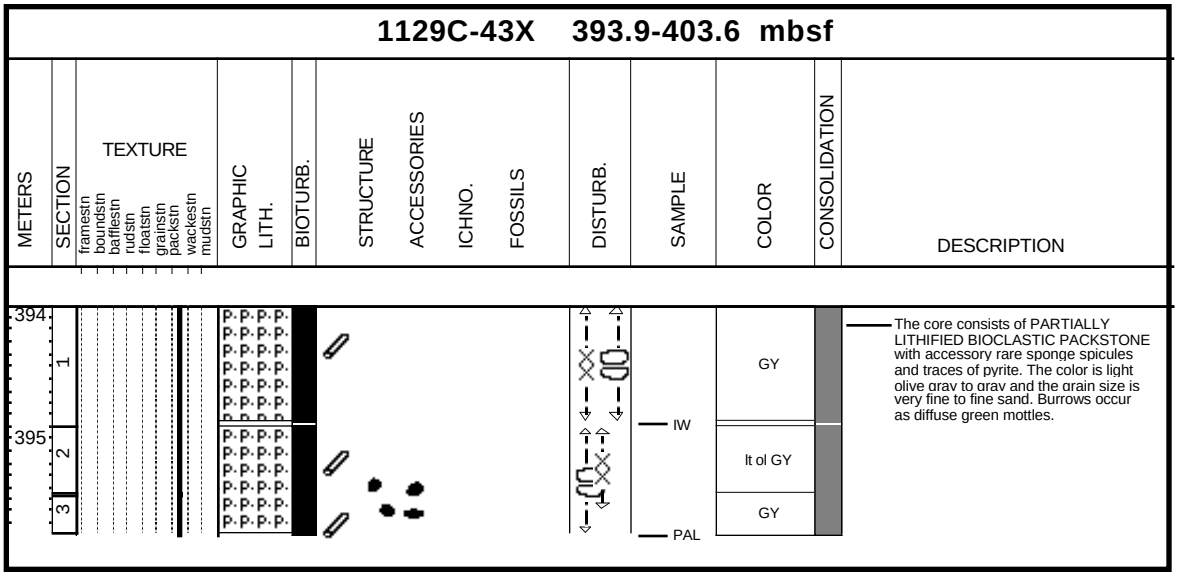

1129C-40X 365.0-374.5 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
366
367
368
369
370
371
1
2
3
4
5
6
PAL
lt ol GY
GY
This core contains a strongly bioturbated PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. The color of the sediment is light olive gray. The deposits are very uniform throughout the core. Bioclasts are fine sand-sized and well-sorted.
The Core Catcher contains a BIOCLASTIC PACKSTONE to GRAINSTONE. In addition to the bioclasts, the sediment contains pyrite, minor benthic foraminifers, and molds lined with a drusy cement. The deposits are strongly bioturbated (well-defined burrows).

Core Photo

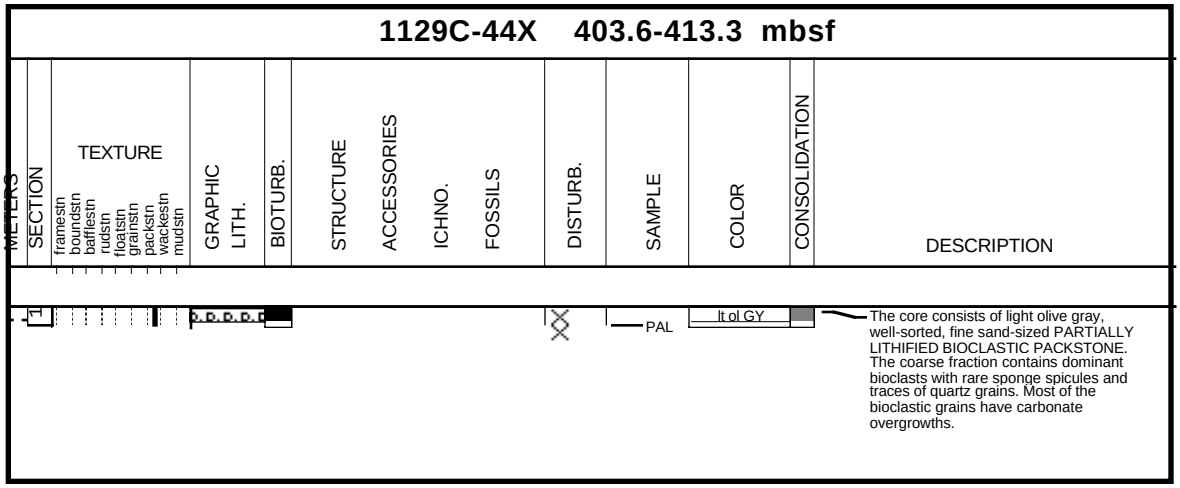


1129C-42X NO RECOVERY

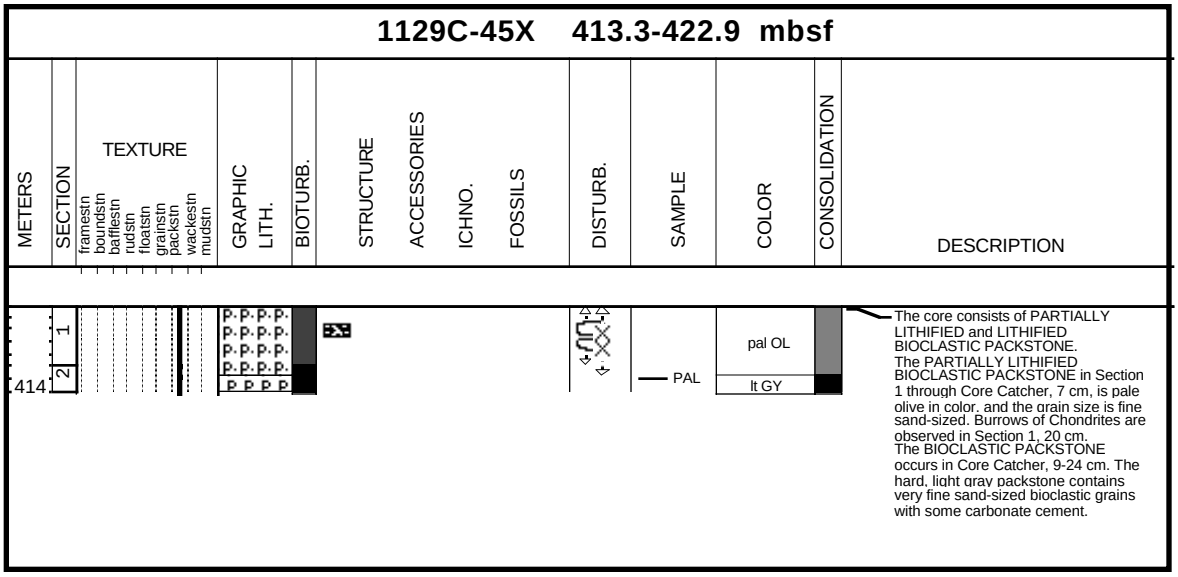
Core Photo


1129C-43X 393.9-403.6 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
394
395
1
2
3
IW
PAL
GY
lt ol GY
GY
The core consists of PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE with accessory rare sponge spicules and traces of pyrite. The color is light olive gray to gray and the grain size is very fine to fine sand. Burrows occur as diffuse green mottles.

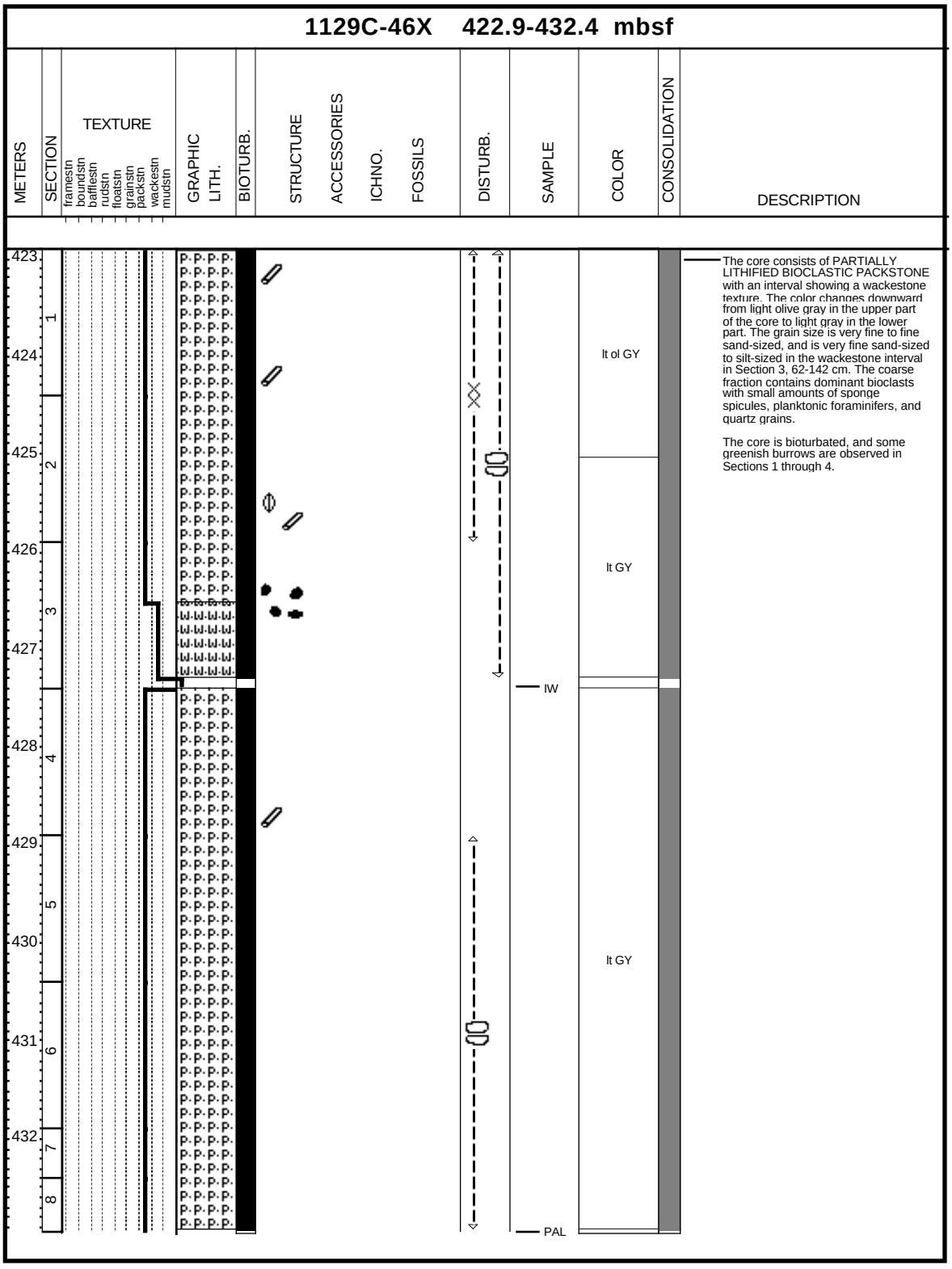
Core Photo


1129C-44X 403.6-413.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
lt ol GY
The core consists of light olive gray, well-sorted, fine sand-sized PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. The coarse fraction contains dominant bioclasts with rare sponge spicules and traces of quartz grains. Most of the bioclastic grains have carbonate overgrowths.

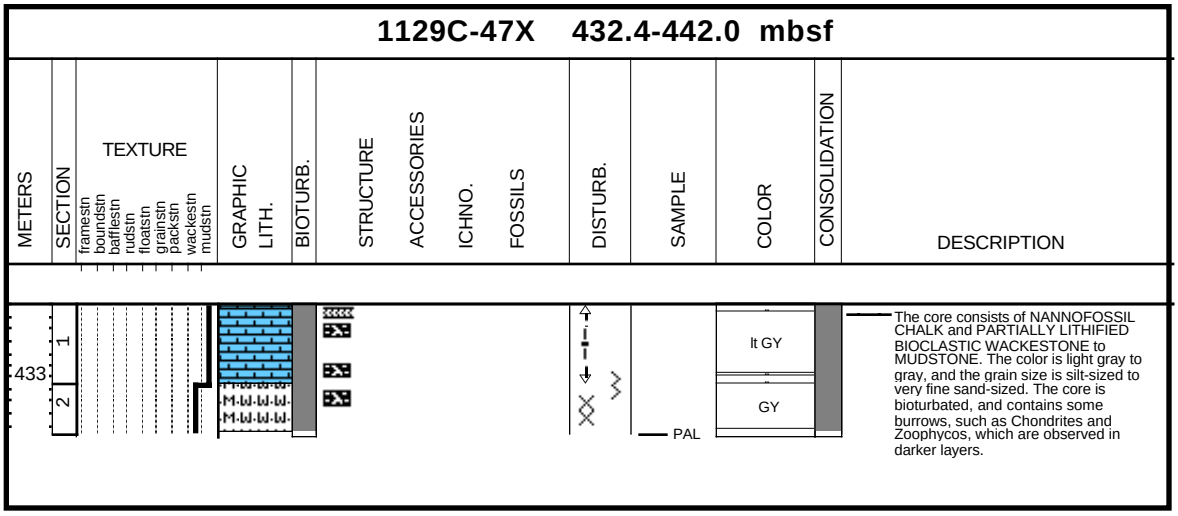
Core Photo


1129C-45X 413.3-422.9 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
414
1
2
PAL
pal OL
lt GY
The core consists of PARTIALLY LITHIFIED and LITHIFIED BIOCLASTIC PACKSTONE.
The PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE in Section 1 through Core Catcher, 7 cm, is pale olive in color, and the grain size is fine sand-sized. Burrows of Chondrites are observed in Section 1, 20 cm.
The BIOCLASTIC PACKSTONE occurs in Core Catcher, 9-24 cm. The hard, light gray packstone contains very fine sand-sized bioclastic grains with some carbonate cement.

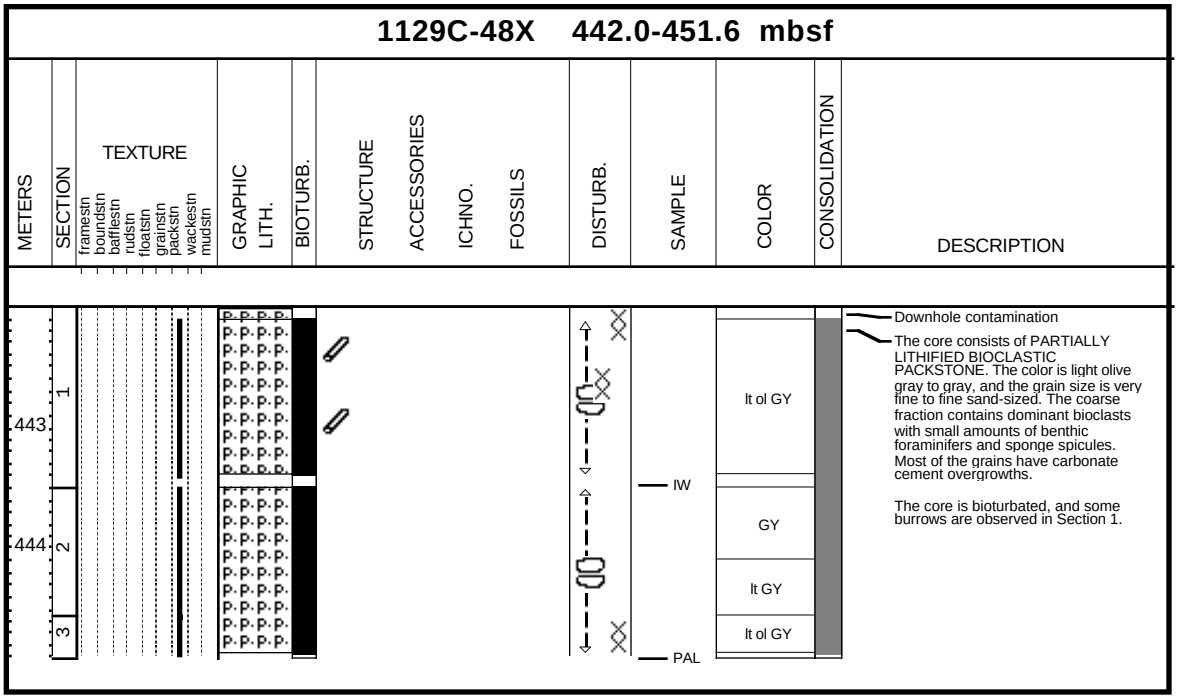
Core Photo


1129C-46X 422.9-432.4 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
423
424
425
426
427
428
429
430
431
432
1
2
3
4
5
6
7
8
lt ol GY
lt GY
lt GY
IW
PAL
The core consists of PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE with an interval showing a wackestone texture. The color changes downward from light olive gray in the upper part of the core to light gray in the lower part. The grain size is very fine to fine sand-sized, and is very fine sand-sized to silt-sized in the wackestone interval in Section 3, 62-142 cm. The coarse fraction contains dominant bioclasts with small amounts of sponge spicules, planktonic foraminifers, and quartz grains.
The core is bioturbated, and some greenish burrows are observed in Sections 1 through 4.

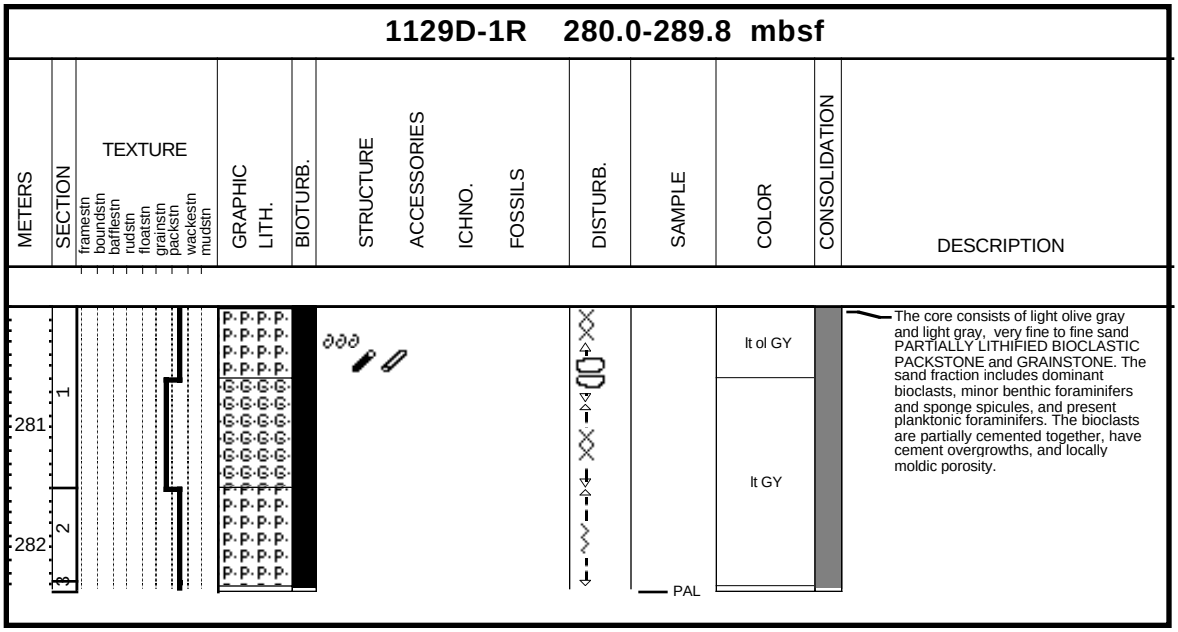
Core Photo


1129C-47X 432.4-442.0 mbsf
METERS
SECTION
TEXTURE
framestn
bourndstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
433
1
2
PAL
lt GY
GY
The core consists of NANNOFOSSIL CHALK and PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE to MUDSTONE. The color is light gray to gray, and the grain size is silt-sized to very fine sand-sized. The core is bioturbated, and contains some burrows, such as Chondrites and Zoophycos, which are observed in darker layers.

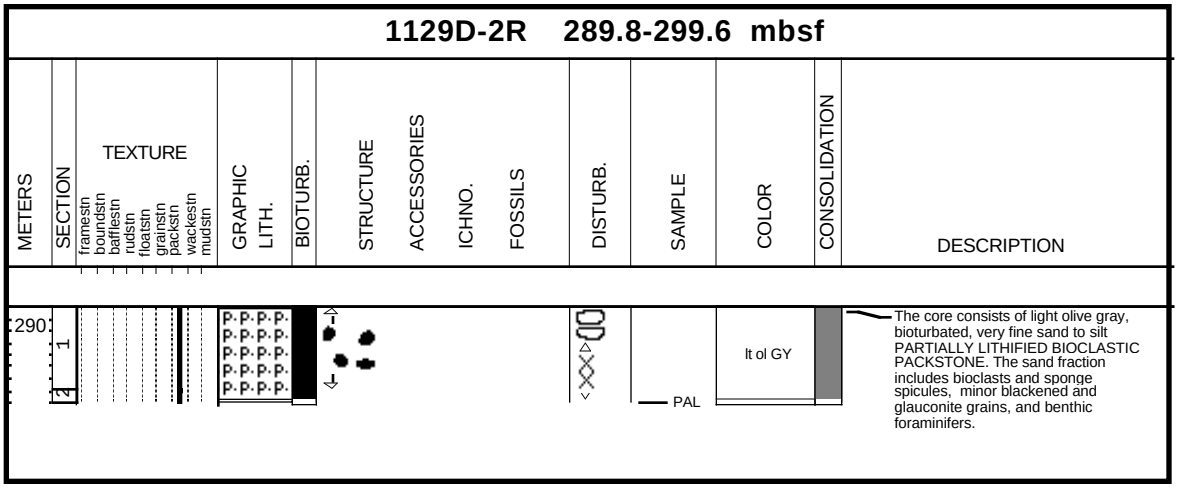
Core Photo


1129C-48X 442.0-451.6 mbsf
METERS
SECTION
TEXTURE
framestn
bndstn
baffstn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
443
444
1
2
3
IW
PAL
lt ol GY
GY
lt GY
lt ol GY
Downhole contamination
The core consists of PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. The color is light olive gray to gray, and the grain size is very fine to fine sand-sized. The coarse fraction contains dominant bioclasts with small amounts of benthic foraminifers and sponge spicules. Most of the grains have carbonate cement overgrowths.
The core is bioturbated, and some burrows are observed in Section 1.

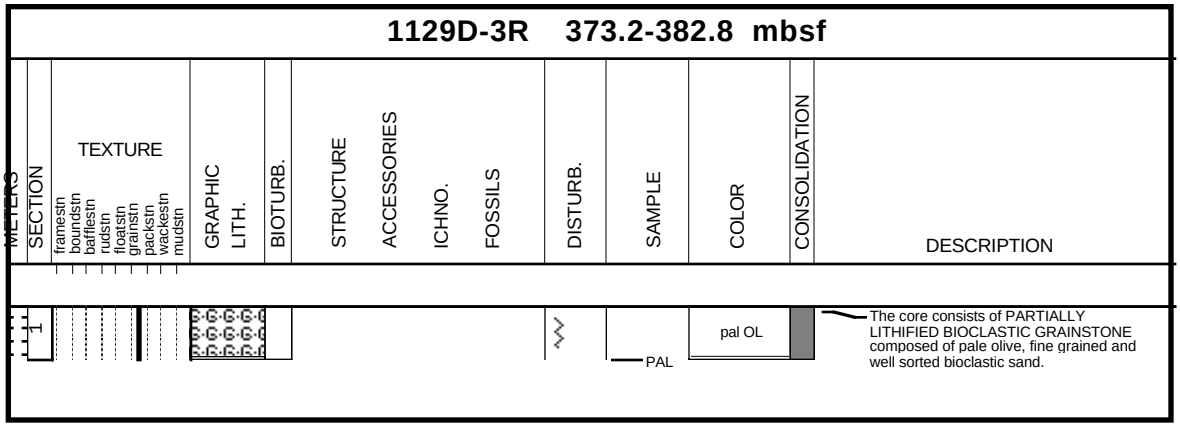
Core Photo


1129D-1R 280.0-289.8 mbsf
METERS
SECTION
TEXTURE
framestn
bndstn
baffstn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
281
282
1
2
3
PAL
lt ol GY
lt GY
The core consists of light olive gray and light gray, very fine to fine sand PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE and GRAINSTONE. The sand fraction includes dominant bioclasts, minor benthic foraminifers and sponge spicules, and present planktonic foraminifers. The bioclasts are partially cemented together, have cement overgrowths, and locally moldic porosity.

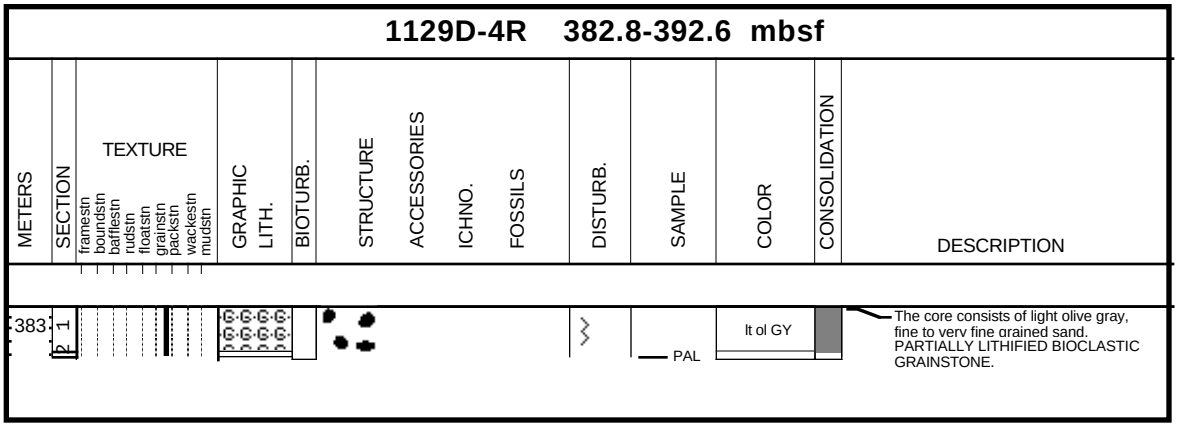
Core Photo


1129D-2R 289.8-299.6 mbsf
METERS
SECTION
TEXTURE
framestn
bndstn
baffstn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
290
1
PAL
lt ol GY
The core consists of light olive gray, bioturbated, very fine sand to silt PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. The sand fraction includes bioclasts and sponge spicules, minor blackened and glauconite grains, and benthic foraminifers.

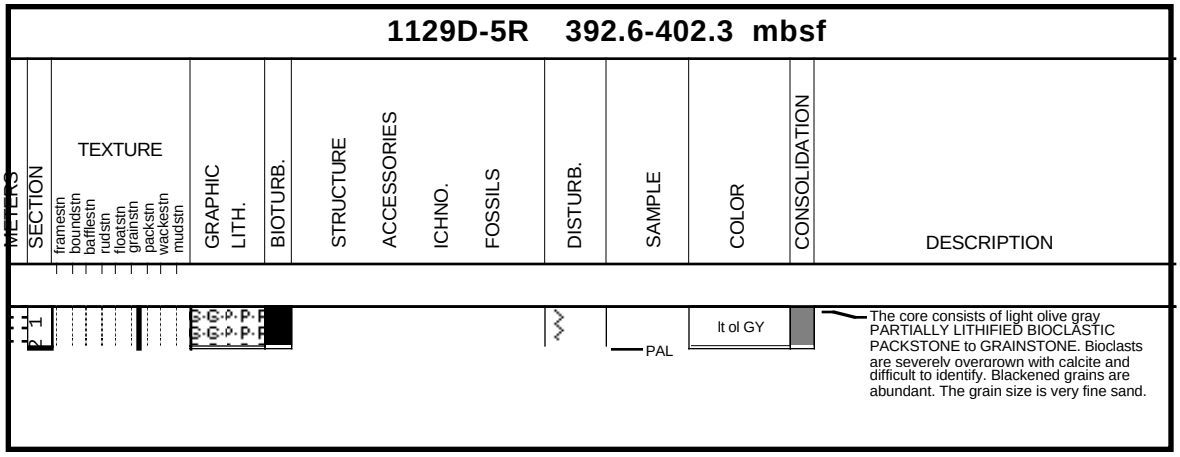
Core Photo


1129D-3R 373.2-382.8 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
pal OL
The core consists of PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE composed of pale olive, fine grained and well sorted bioclastic sand.

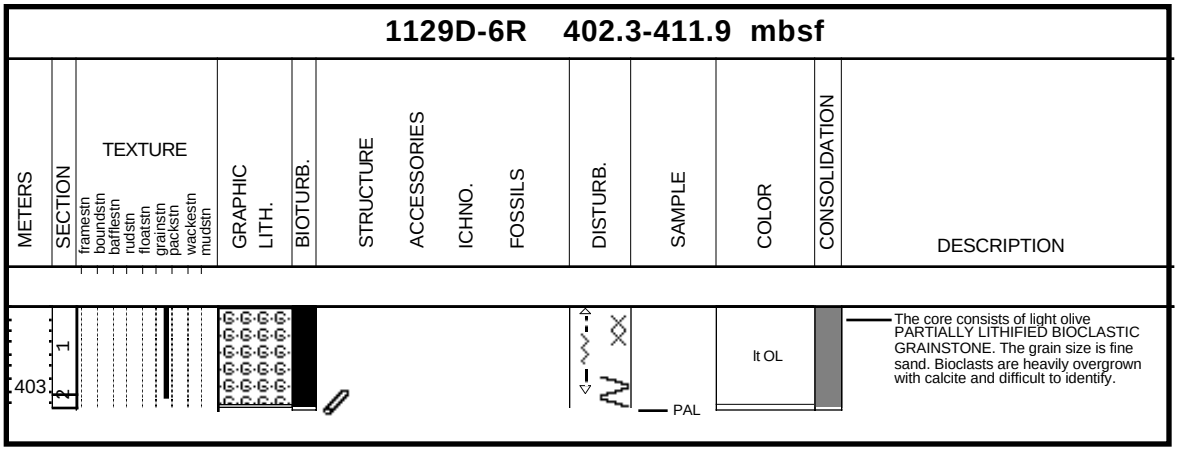
Core Photo


1129D-4R 382.8-392.6 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
383
1
PAL
lt ol GY
The core consists of light olive gray, fine to very fine grained sand. PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE.

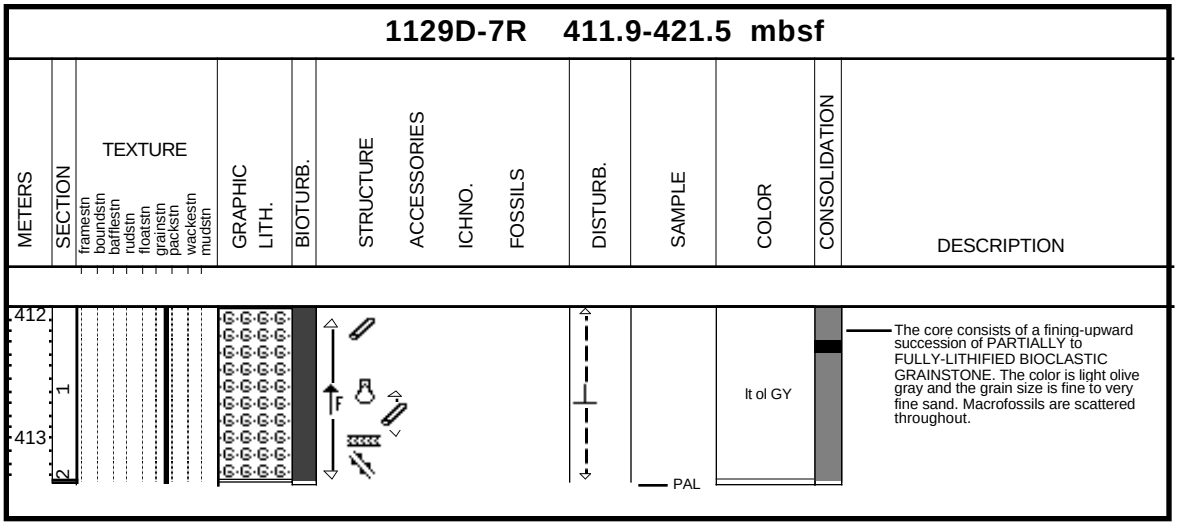
Core Photo


1129D-5R 392.6-402.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
lt ol GY
The core consists of light olive gray PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE to GRAINSTONE. Bioclasts are severely overgrown with calcite and difficult to identify. Blackened grains are abundant. The grain size is very fine sand.

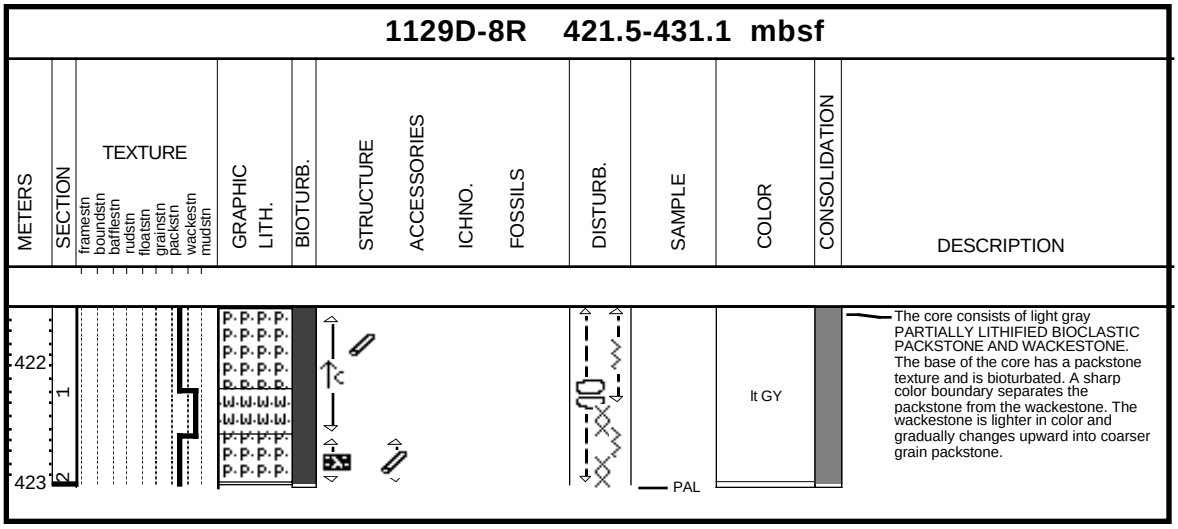
Core Photo


1129D-6R 402.3-411.9 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
403
1
2
PAL
lt OL
The core consists of light olive PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE. The grain size is fine sand. Bioclasts are heavily overgrown with calcite and difficult to identify.

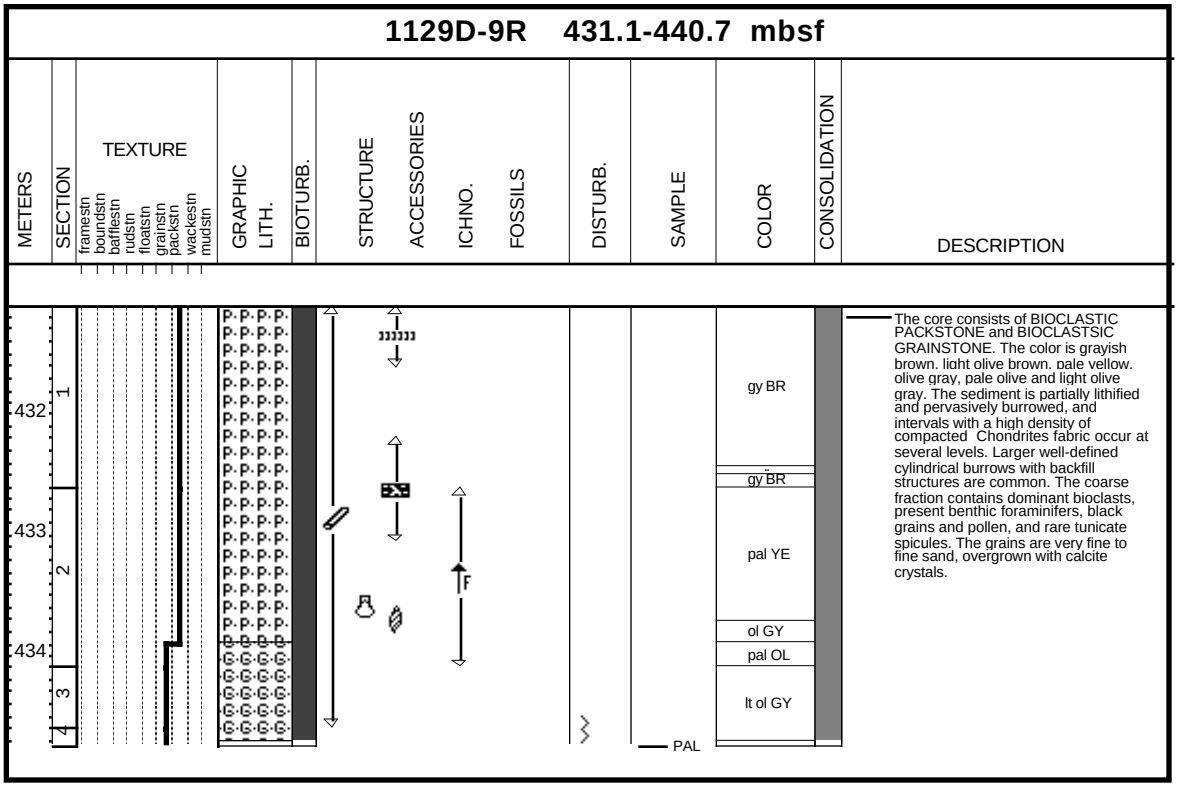
Core Photo


1129D-7R 411.9-421.5 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
412
413
1
2
F
PAL
lt ol GY
The core consists of a fining-upward succession of PARTIALLY to FULLY-LITHIFIED BIOCLASTIC GRAINSTONE. The color is light olive gray and the grain size is fine to very fine sand. Macrofossils are scattered throughout.

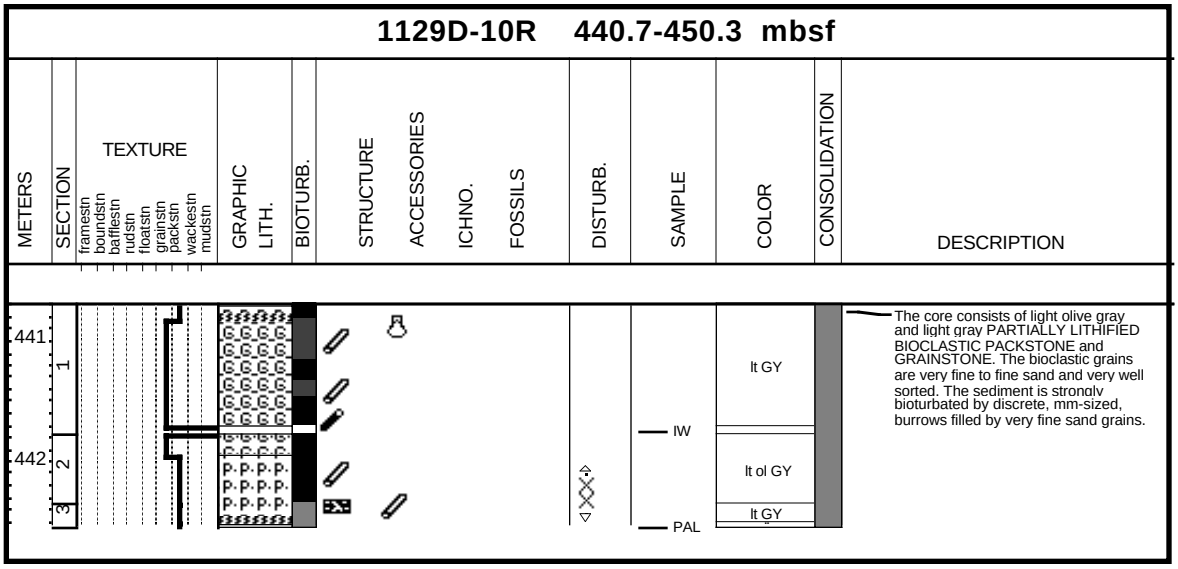
Core Photo


1129D-8R 421.5-431.1 mbsf
METERS
SECTION
TEXTURE
framestn
bndstn
baffstn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
422
423
1
2
PAL
lt GY
The core consists of light gray PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE AND WACKESTONE. The base of the core has a packstone texture and is bioturbated. A sharp color boundary separates the packstone from the wackestone. The wackestone is lighter in color and gradually changes upward into coarser grain packstone.

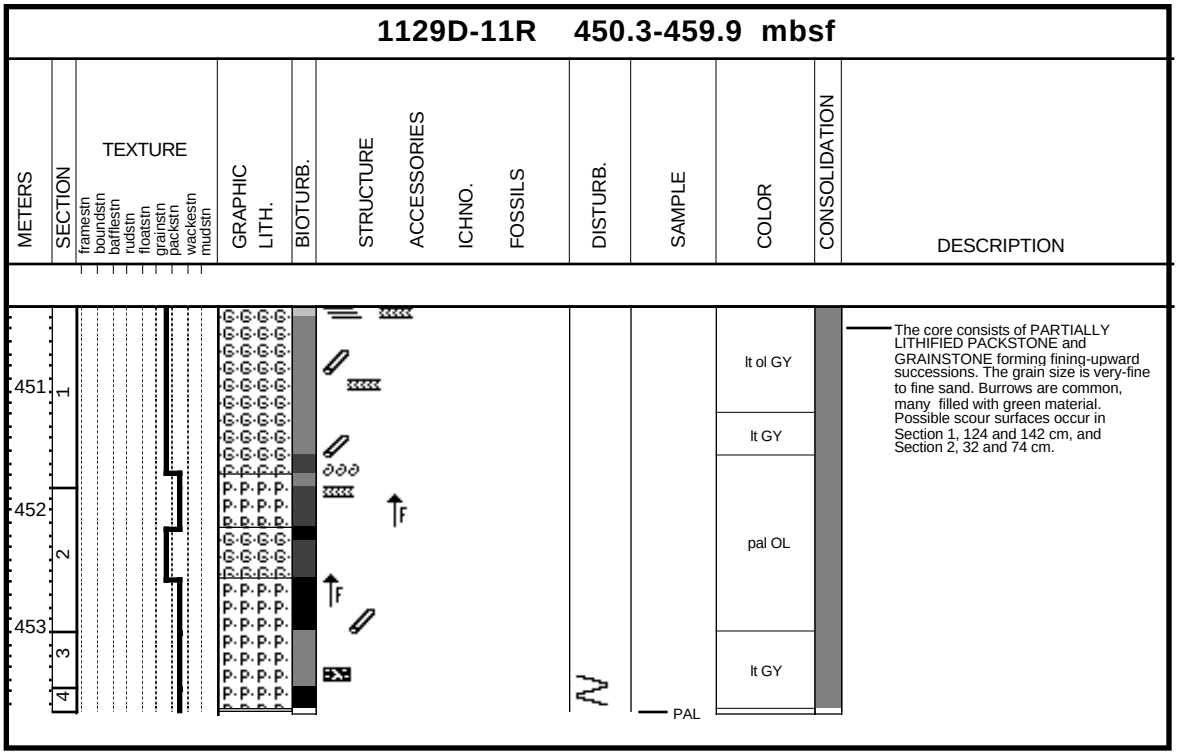
Core Photo


1129D-9R 431.1-440.7 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
432
433
434
1
2
3
4
F
PAL
gy BR
gy BR
pal YE
ol GY
pal OL
lt ol GY
The core consists of BIOCLASTIC PACKSTONE and BIOCLASTSIC GRAINSTONE. The color is grayish brown, light olive brown, pale yellow, olive gray, pale olive and light olive gray. The sediment is partially lithified and pervasively burrowed, and intervals with a high density of compacted Chondrites fabric occur at several levels. Larger well-defined cylindrical burrows with backfill structures are common. The coarse fraction contains dominant bioclasts, present benthic foraminifers, black grains and pollen, and rare tunicate spicules. The grains are very fine to fine sand, overgrown with calcite crystals.

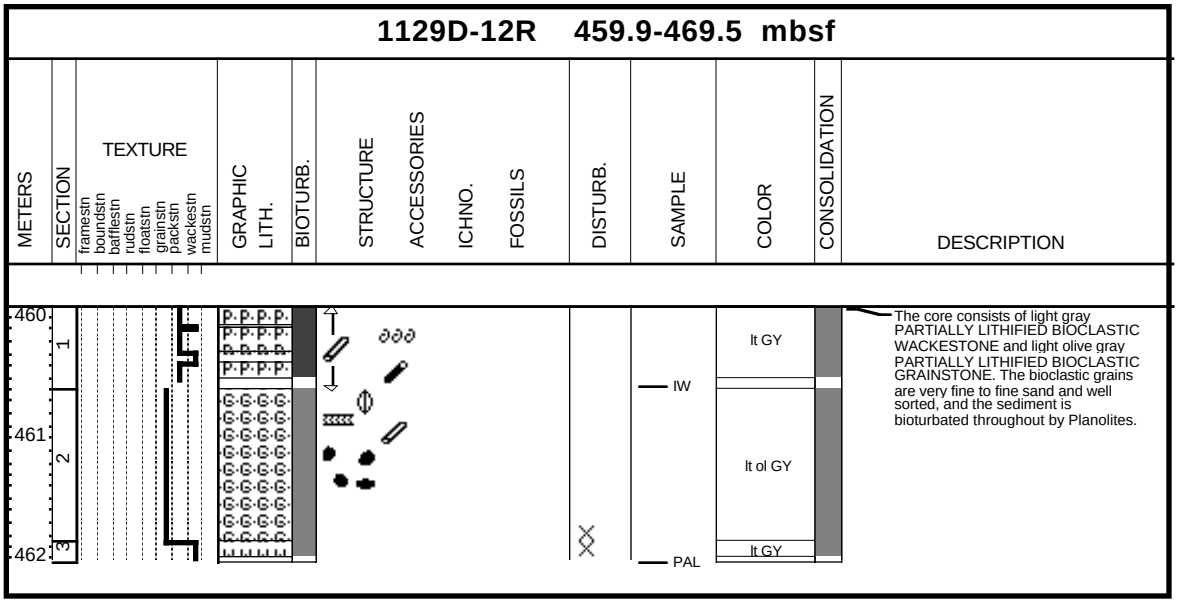
Core Photo


1129D-10R 440.7-450.3 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
441
442
1
2
3
IW
PAL
lt GY
lt ol GY
lt GY
The core consists of light olive gray and light gray PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE and GRAINSTONE. The bioclastic grains are very fine to fine sand and very well sorted. The sediment is strongly bioturbated by discrete, mm-sized, burrows filled by very fine sand grains.

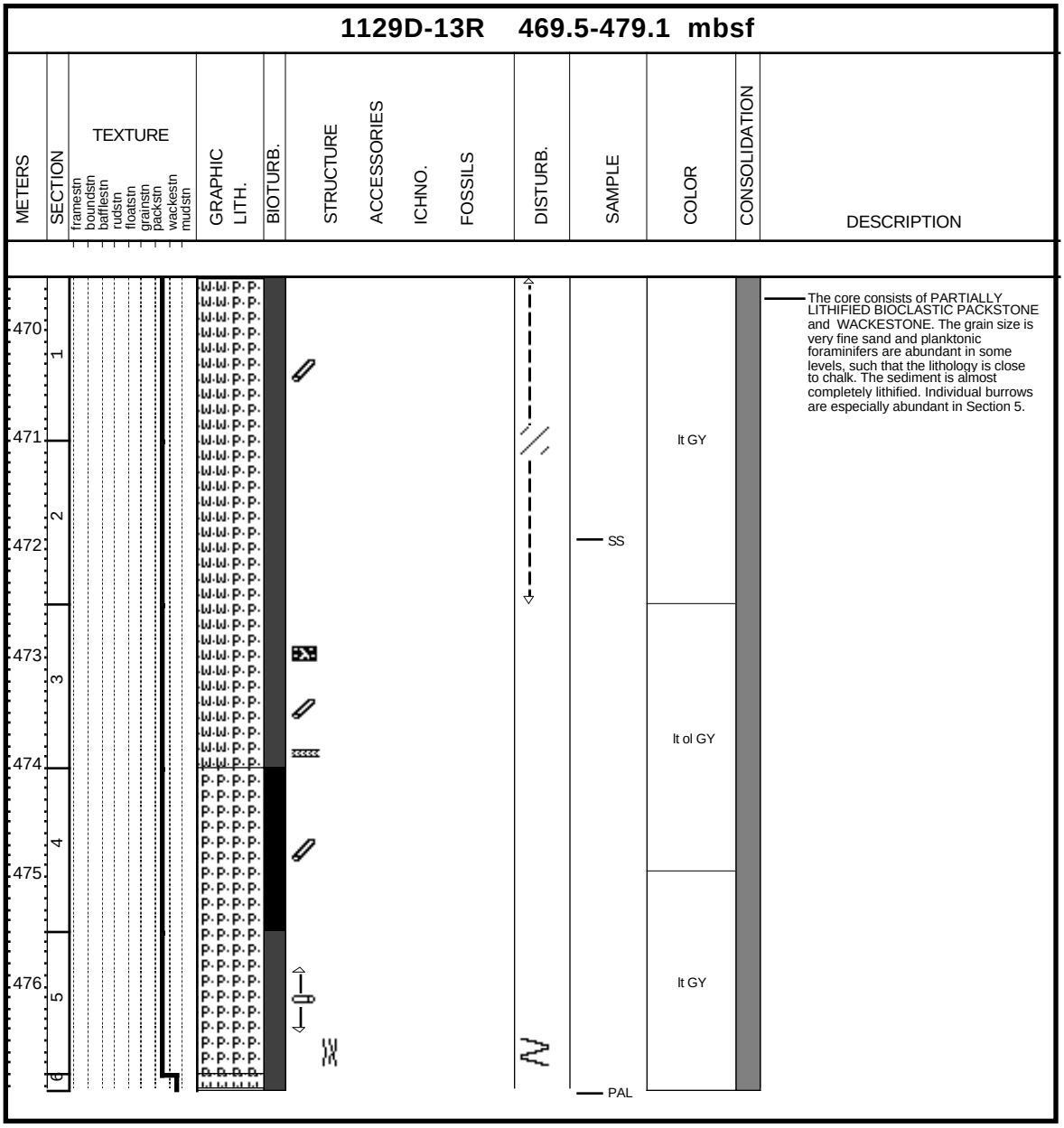
Core Photo


1129D-11R 450.3-459.9 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
451
452
453
1
2
3
4
F
F
PAL
lt ol GY
lt GY
pal OL
lt GY
The core consists of PARTIALLY LITHIFIED PACKSTONE and GRAINSTONE forming fining-upward successions. The grain size is very-fine to fine sand. Burrows are common, many filled with green material. Possible scour surfaces occur in Section 1, 124 and 142 cm, and Section 2, 32 and 74 cm.

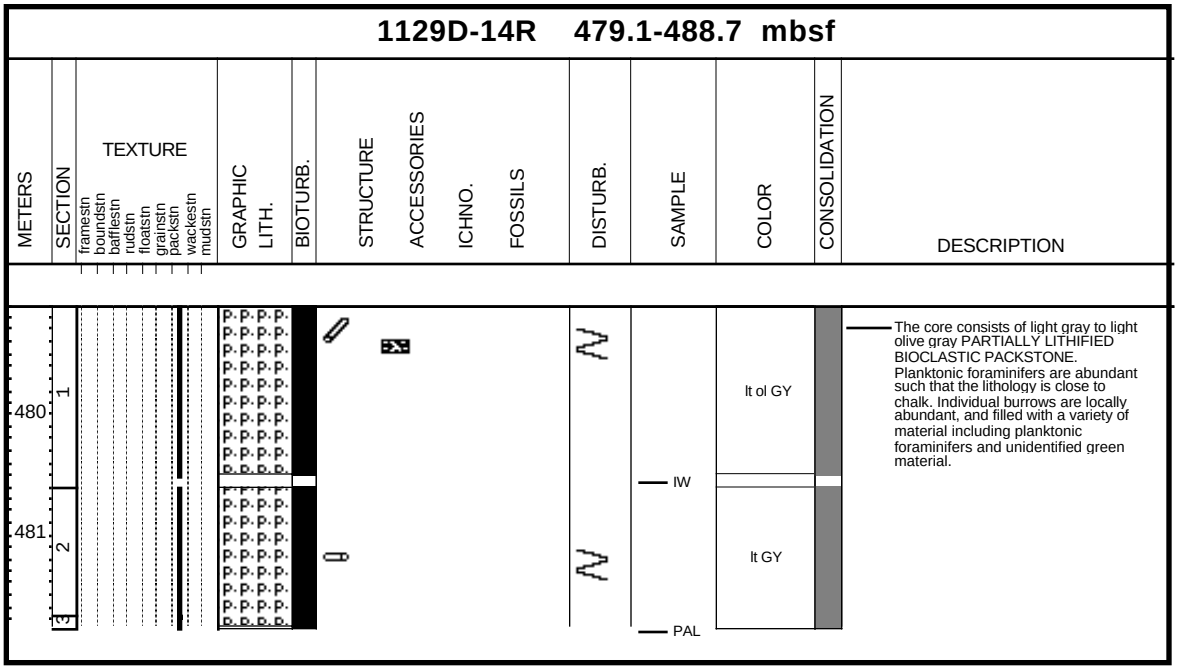
Core Photo


1129D-12R 459.9-469.5 mbsf
METERS
SECTION
TEXTURE
framestn
bourndstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
460
461
462
1
2
3
IW
PAL
lt GY
lt ol GY
lt GY
The core consists of light gray PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE and light olive gray PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE. The bioclastic grains are very fine to fine sand and well sorted, and the sediment is bioturbated throughout by Planolites.

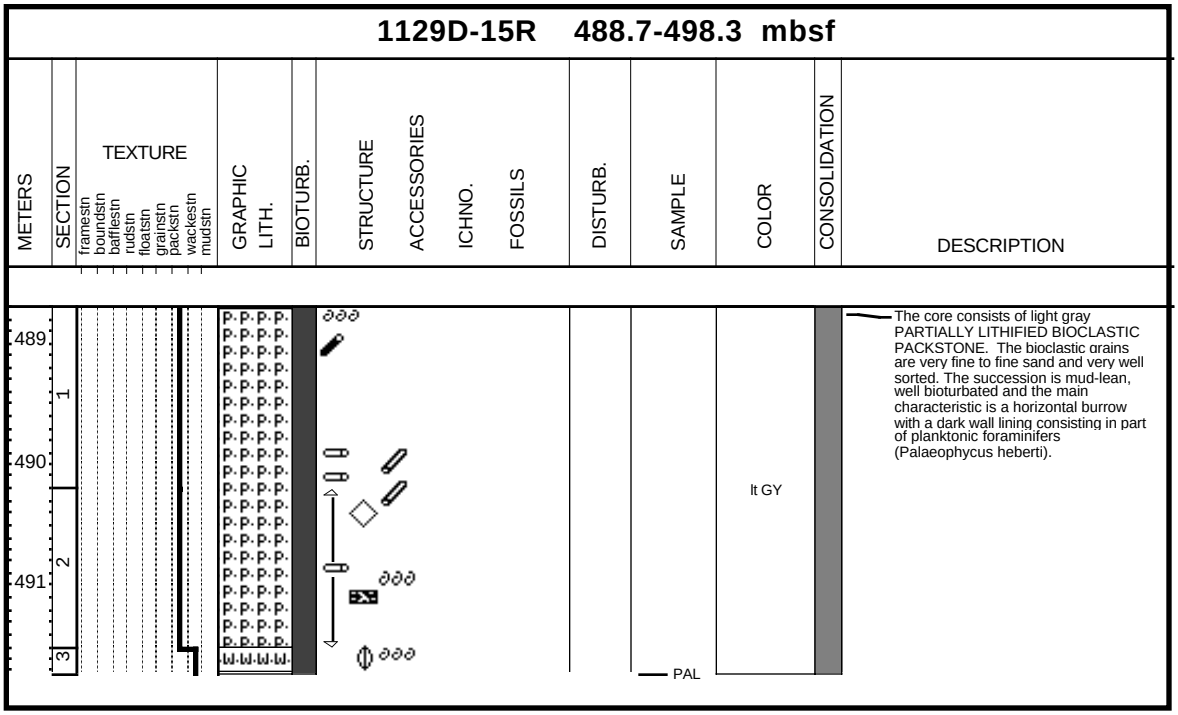
Core Photo


1129D-13R 469.5-479.1 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
470
471
472
473
474
475
476
1
2
3
4
5
CC
SS
PAL
lt GY
lt ol GY
lt GY
The core consists of PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE and WACKESTONE. The grain size is very fine sand and planktonic foraminifers are abundant in some levels, such that the lithology is close to chalk. The sediment is almost completely lithified. Individual burrows are especially abundant in Section 5.

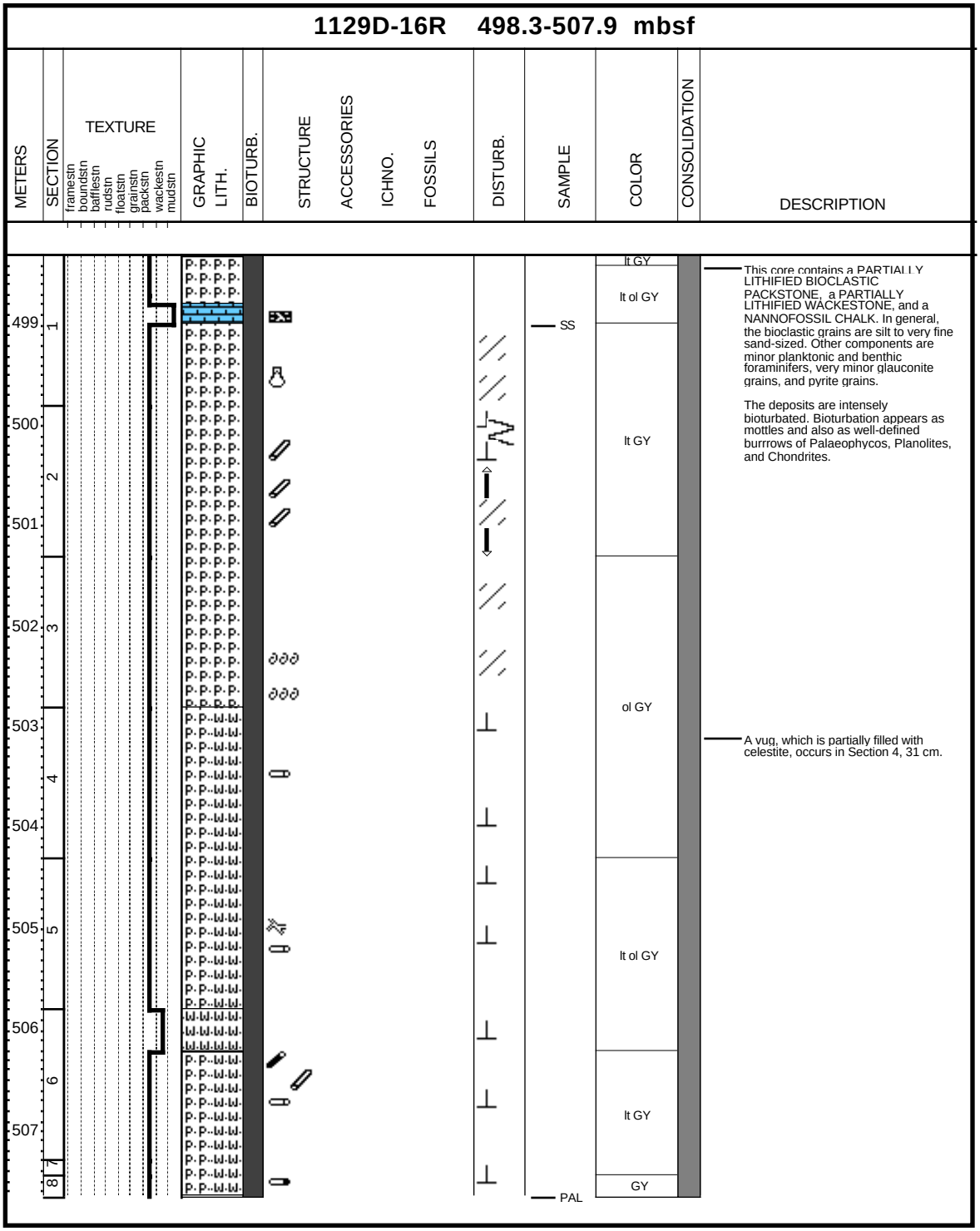
Core Photo


1129D-14R 479.1-488.7 mbsf
METERS
SECTION
TEXTURE
framestn
bndstn
baffstn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
480
481
1
2
3
IW
PAL
lt ol GY
lt GY
The core consists of light gray to light olive gray PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. Planktonic foraminifers are abundant such that the lithology is close to chalk. Individual burrows are locally abundant, and filled with a variety of material including planktonic foraminifers and unidentified green material.

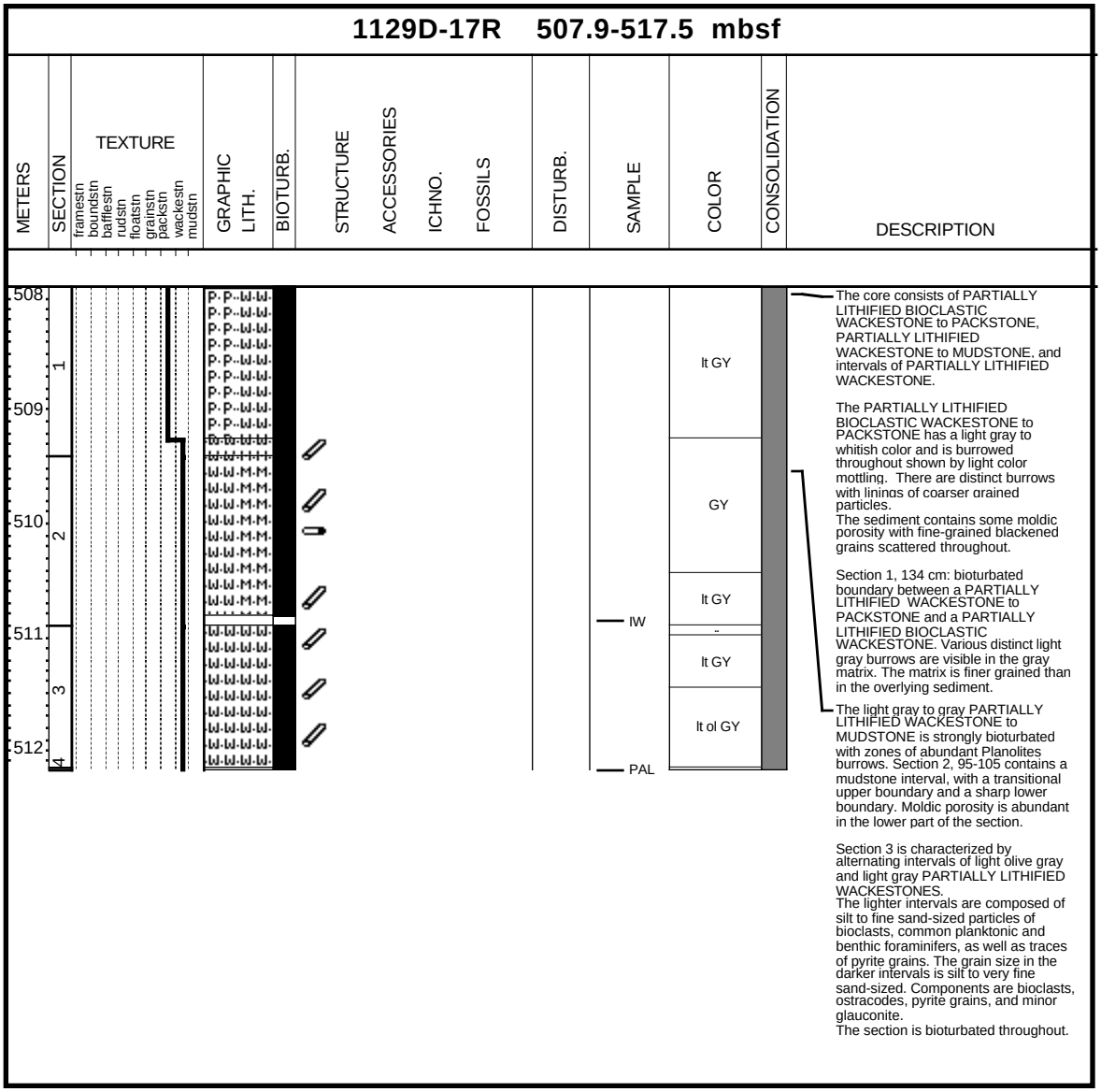
Core Photo


1129D-15R 488.7-498.3 mbsf
METERS
SECTION
TEXTURE
framestn
bounstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
489
490
491
1
2
3
PAL
lt GY
The core consists of light gray PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. The bioclastic grains are very fine to fine sand and very well sorted. The succession is mud-lean, well bioturbated and the main characteristic is a horizontal burrow with a dark wall lining consisting in part of planktonic foraminifers (Palaeophycus heberti).

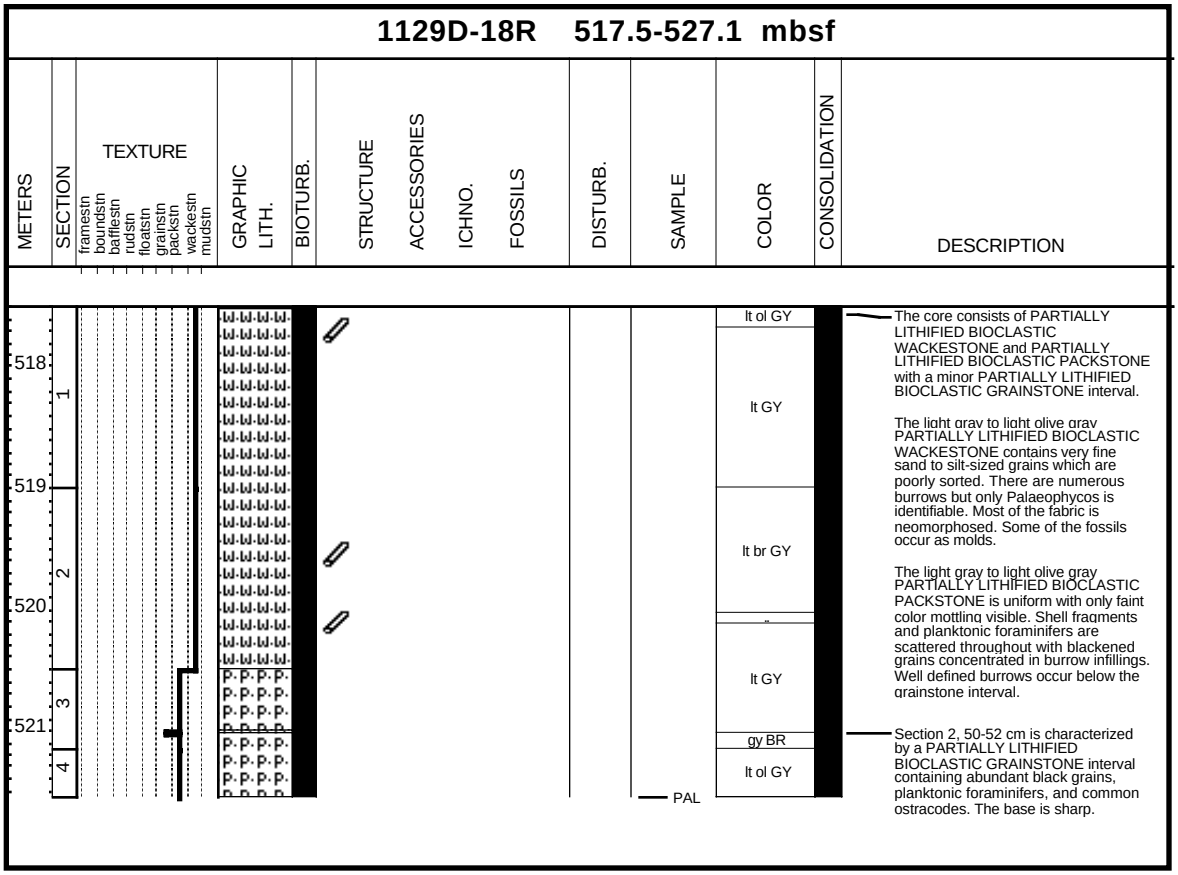
Core Photo


1129D-16R 498.3-507.9 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
499
500
501
502
503
504
505
506
507
1
2
3
4
5
6
7
8
SS
PAL
lt GY
lt ol GY
lt GY
ol GY
lt ol GY
lt GY
GY
This core contains a PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE, a PARTIALLY LITHIFIED WACKESTONE, and a NANNOFOSSIL CHALK. In general, the bioclastic grains are silt to very fine sand-sized. Other components are minor planktonic and benthic foraminifers, very minor glauconite grains, and pyrite grains.
The deposits are intensely bioturbated. Bioturbation appears as mottles and also as well-defined burrrows of Palaeophycos, Planolites, and Chondrites.
A vug, which is partially filled with celestite, occurs in Section 4, 31 cm.

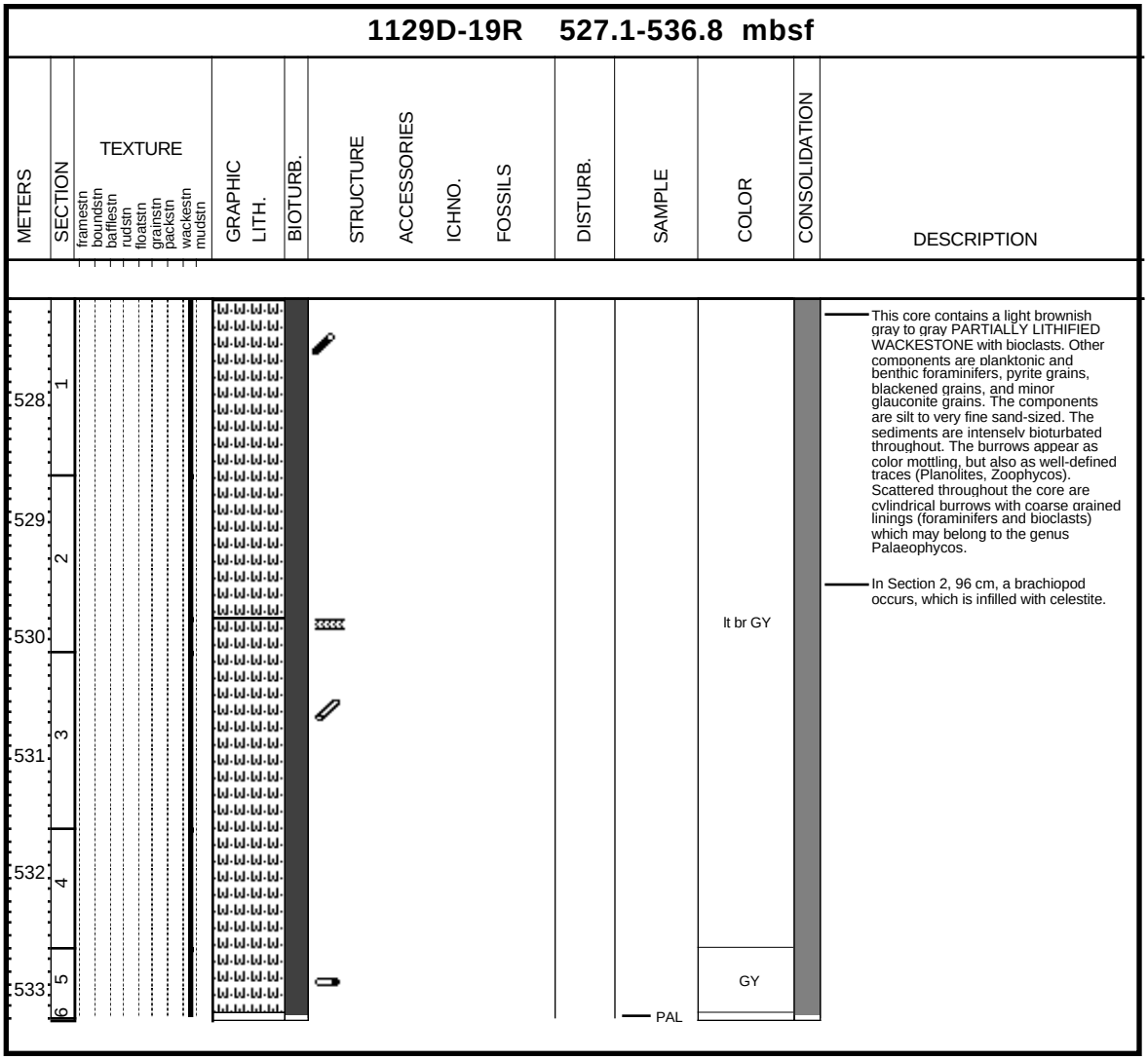
Core Photo


1129D-17R 507.9-517.5 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
508
509
510
511
512
1
2
3
4
IW
PAL
lt GY
GY
lt GY
lt GY
lt ol GY
The core consists of PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE to PACKSTONE, PARTIALLY LITHIFIED WACKESTONE to MUDSTONE, and intervals of PARTIALLY LITHIFIED WACKESTONE.
The PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE to PACKSTONE has a light gray to whitish color and is burrowed throughout shown by light color mottling. There are distinct burrows with linings of coarser grained particles.
The sediment contains some moldic porosity with fine-grained blackened grains scattered throughout.
Section 1, 134 cm: bioturbated boundary between a PARTIALLY LITHIFIED WACKESTONE to PACKSTONE and a PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE. Various distinct light gray burrows are visible in the gray matrix. The matrix is finer grained than in the overlying sediment.
The light gray to gray PARTIALLY LITHIFIED WACKESTONE to MUDSTONE is strongly bioturbated with zones of abundant Planolites burrows. Section 2, 95-105 contains a mudstone interval, with a transitional upper boundary and a sharp lower boundary. Moldic porosity is abundant in the lower part of the section.
Section 3 is characterized by alternating intervals of light olive gray and light gray PARTIALLY LITHIFIED WACKESTONES.
The lighter intervals are composed of silt to fine sand-sized particles of bioclasts, common planktonic and benthic foraminifers, as well as traces of pyrite grains. The grain size in the darker intervals is silt to very fine sand-sized. Components are bioclasts, ostracodes, pyrite grains, and minor glauconite.
The section is bioturbated throughout.

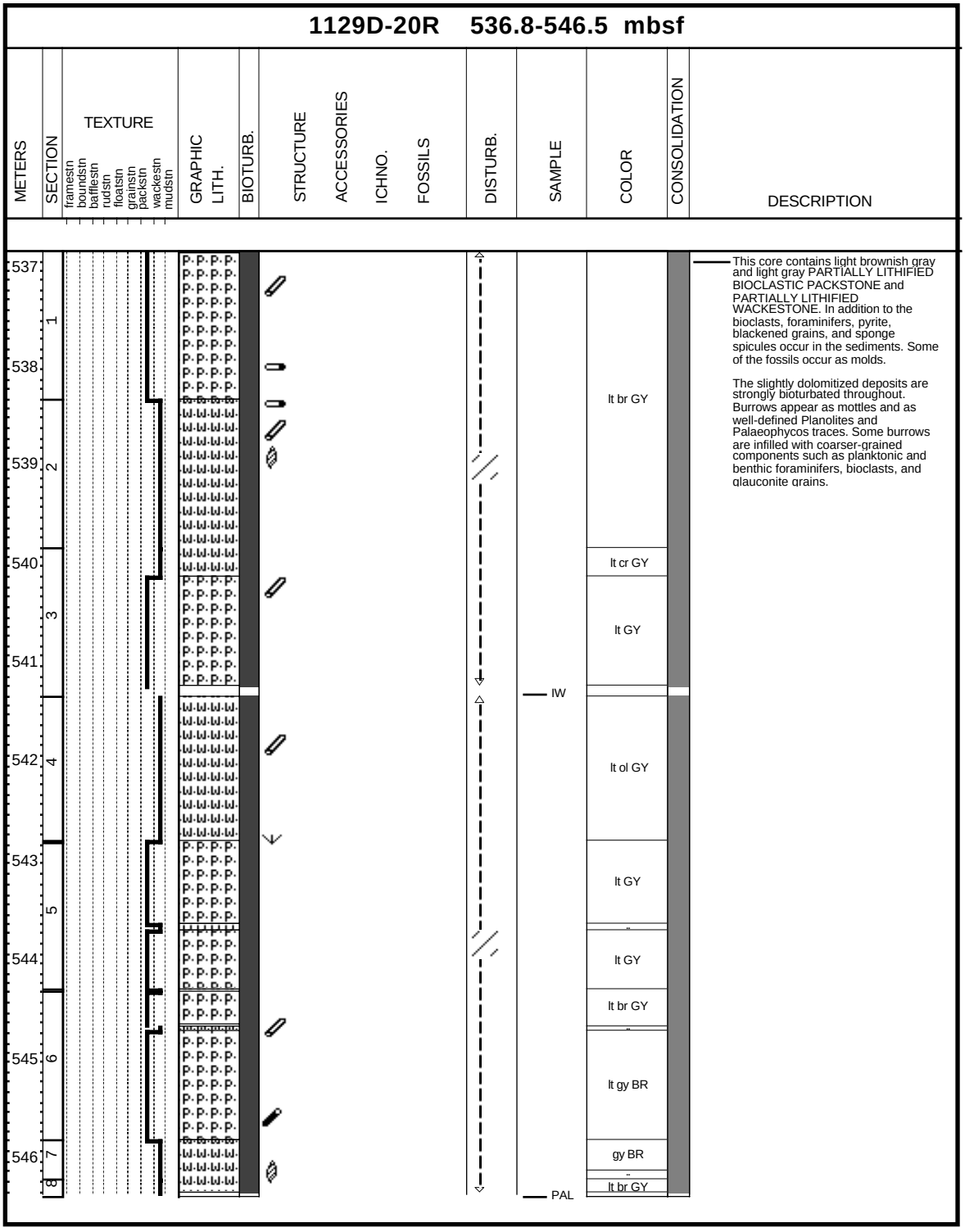
Core Photo


1129D-18R 517.5-527.1 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
518
519
520
521
1
2
3
4
PAL
lt ol GY
lt GY
lt br GY
lt GY
gy BR
lt ol GY
The core consists of PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE and PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE with a minor PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE interval.
The light gray to light olive gray PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE contains very fine sand to silt-sized grains which are poorly sorted. There are numerous burrows but only Palaeophycos is identifiable. Most of the fabric is neomorphosed. Some of the fossils occur as molds.
The light gray to light olive gray PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE is uniform with only faint color mottling visible. Shell fragments and planktonic foraminifers are scattered throughout with blackened grains concentrated in burrow infillings. Well defined burrows occur below the grainstone interval.
Section 2, 50-52 cm is characterized by a PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE interval containing abundant black grains, planktonic foraminifers, and common ostracodes. The base is sharp.

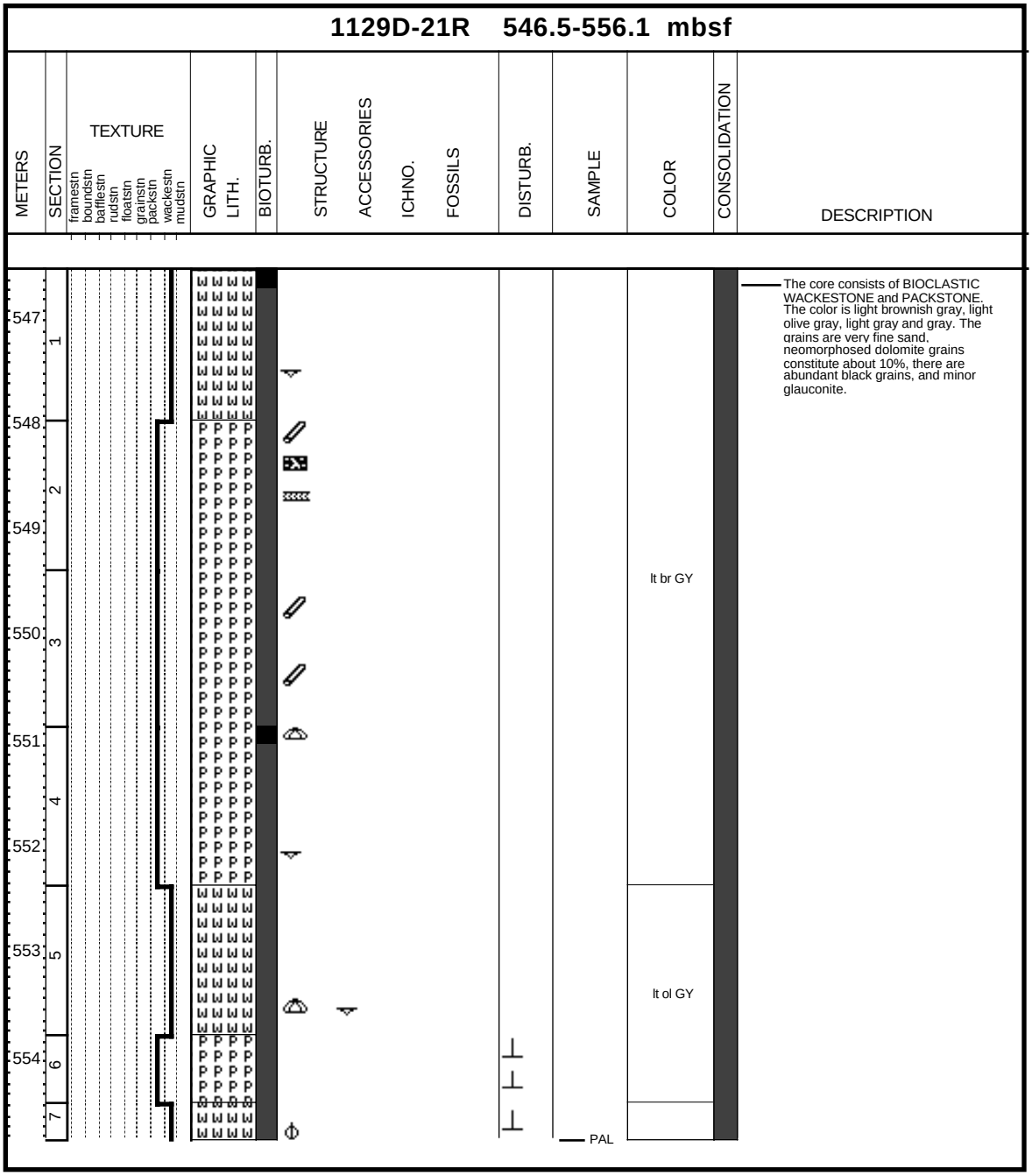
Core Photo


1129D-19R 527.1-536.8 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
528
529
530
531
532
533
1
2
3
4
5
6
PAL
lt br GY
GY
This core contains a light brownish gray to gray PARTIALLY LITHIFIED WACKESTONE with bioclasts. Other components are planktonic and benthic foraminifers, pyrite grains, blackened grains, and minor glauconite grains. The components are silt to very fine sand-sized. The sediments are intenselv bioturbated throughout. The burrows appear as color mottling, but also as well-defined traces (Planolites, Zoophycos). Scattered throughout the core are cylindrical burrows with coarse grained linings (foraminifers and bioclasts) which may belong to the genus Palaeophycos.
In Section 2, 96 cm, a brachiopod occurs, which is infilled with celestite.

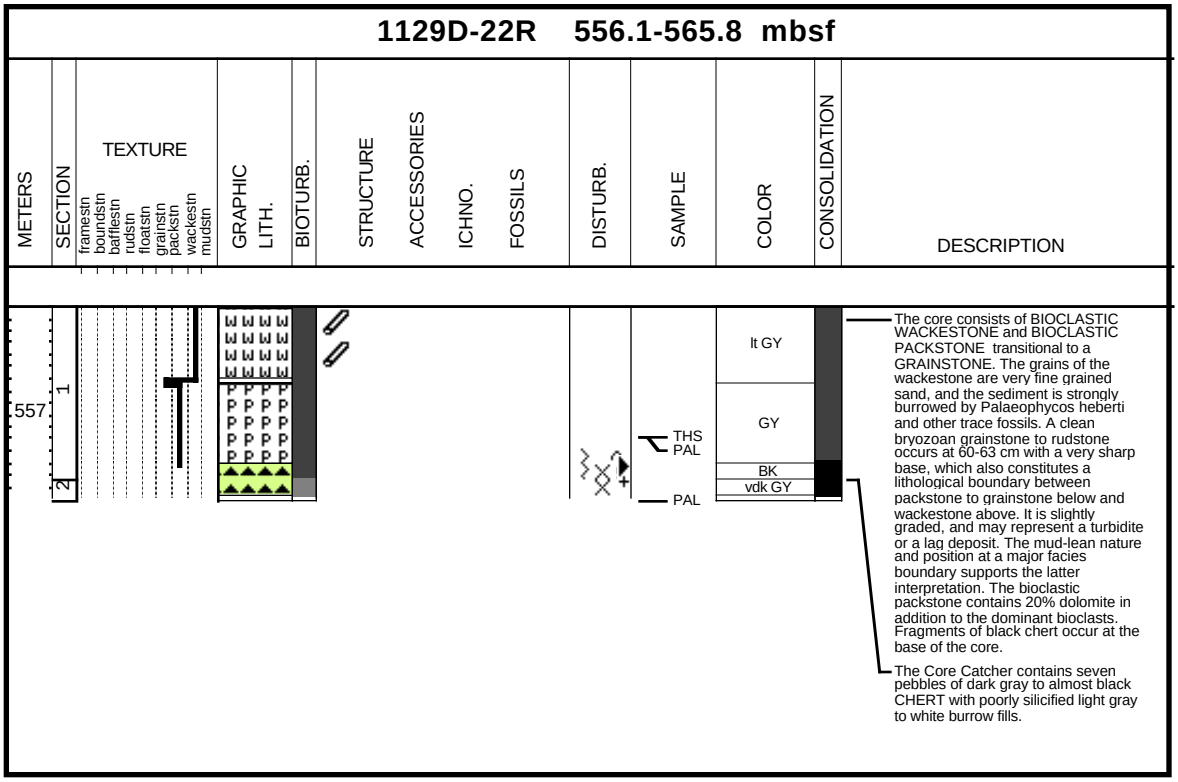
Core Photo


1129D-20R 536.8-546.5 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
537
538
539
540
541
542
543
544
545
546
1
2
3
4
5
6
7
8
IW
PAL
lt br GY
lt cr GY
lt GY
lt ol GY
lt GY
lt GY
lt br GY
lt gy BR
gy BR
lt br GY
This core contains light brownish gray and light gray PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE and PARTIALLY LITHIFIED WACKESTONE. In addition to the bioclasts, foraminifers, pyrite, blackened grains, and sponge spicules occur in the sediments. Some of the fossils occur as molds.
The slightly dolomitized deposits are strongly bioturbated throughout. Burrows appear as mottles and as well-defined Planolites and Palaeophycos traces. Some burrows are infilled with coarser-grained components such as planktonic and benthic foraminifers, bioclasts, and glauconite grains.

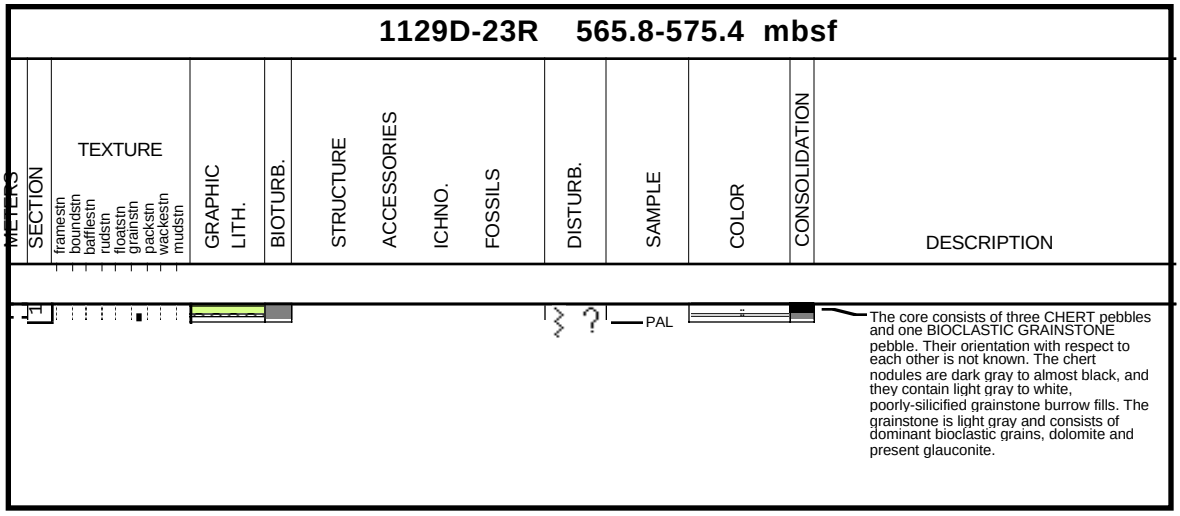
Core Photo


1129D-21R 546.5-556.1 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
547
548
549
550
551
552
553
554
1
2
3
4
5
6
7
PAL
lt br GY
lt ol GY
The core consists of BIOCLASTIC WACKESTONE and PACKSTONE. The color is light brownish gray, light olive gray, light gray and gray. The grains are very fine sand, neomorphosed dolomite grains constitute about 10%, there are abundant black grains, and minor glauconite.

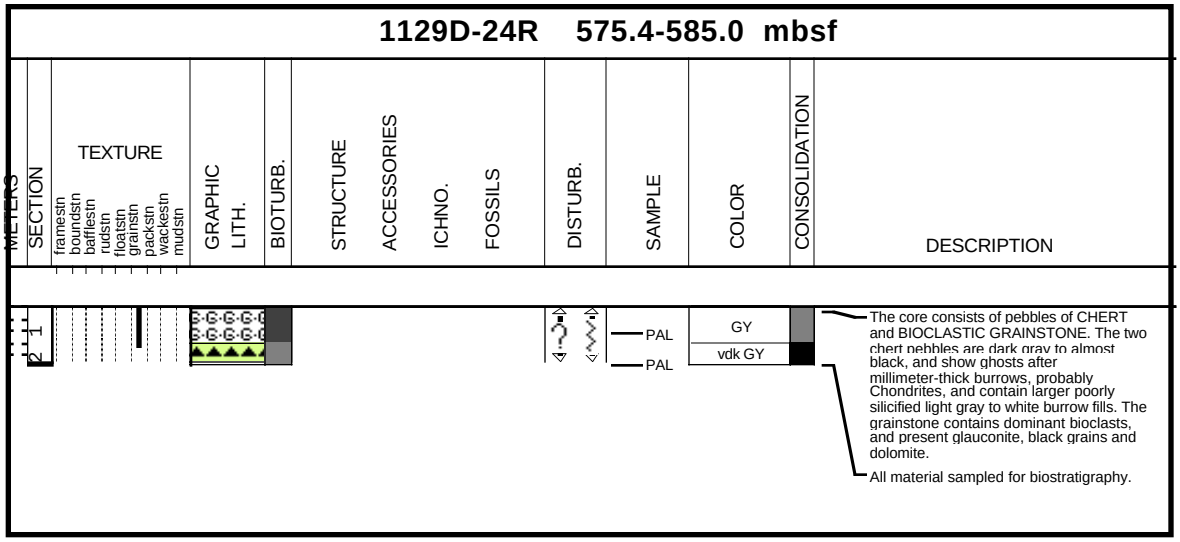
Core Photo


1129D-22R 556.1-565.8 mbsf
METERS
SECTION
TEXTURE
framestn
bndstn
baffstn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
557
1
2
THS
PAL
PAL
lt GY
GY
BK
vdk GY
The core consists of BIOCLASTIC WACKESTONE and BIOCLASTIC PACKSTONE transitional to a GRAINSTONE. The grains of the wackestone are very fine grained sand, and the sediment is strongly burrowed by Palaeophycos heberti and other trace fossils. A clean bryozoan grainstone to rudstone occurs at 60-63 cm with a very sharp base, which also constitutes a lithological boundary between packstone to grainstone below and wackestone above. It is slightly graded, and may represent a turbidite or a lag deposit. The mud-lean nature and position at a major facies boundary supports the latter interpretation. The bioclastic packstone contains 20% dolomite in addition to the dominant bioclasts. Fragments of black chert occur at the base of the core.
The Core Catcher contains seven pebbles of dark gray to almost black CHERT with poorly silicified light gray to white burrow fills.

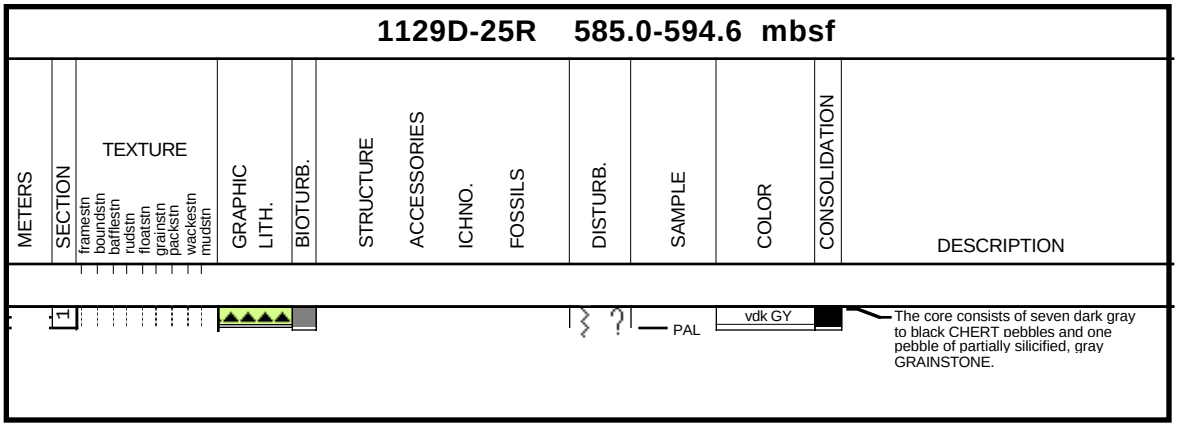
Core Photo


1129D-23R 565.8-575.4 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
The core consists of three CHERT pebbles and one BIOCLASTIC GRAINSTONE pebble. Their orientation with respect to each other is not known. The chert nodules are dark gray to almost black, and they contain light gray to white, poorly-silicified grainstone burrow fills. The grainstone is light gray and consists of dominant bioclastic grains, dolomite and present glauconite.

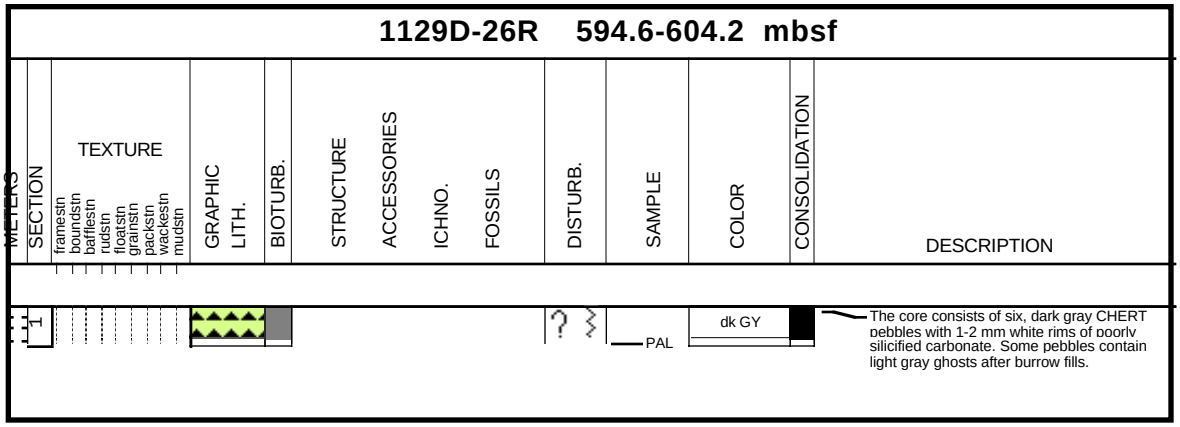
Core Photo


1129D-24R 575.4-585.0 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
2
PAL
PAL
GY
vdk GY
The core consists of pebbles of CHERT and BIOCLASTIC GRAINSTONE. The two chert pebbles are dark gray to almost black, and show ghosts after millimeter-thick burrows, probably Chondrites, and contain larger poorly silicified light gray to white burrow fills. The grainstone contains dominant bioclasts, and present glauconite, black grains and dolomite.
All material sampled for biostratigraphy.

Core Photo


1129D-25R 585.0-594.6 mbsf
METERS
SECTION
TEXTURE
framestn
bourdstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
vdk GY
The core consists of seven dark gray to black CHERT pebbles and one pebble of partially silicified, gray GRAINSTONE.

Core Photo


1129D-26R 594.6-604.2 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
dk GY
The core consists of six, dark gray CHERT pebbles with 1-2 mm white rims of poorly silicified carbonate. Some pebbles contain light gray ghosts after burrow fills.

Sample									Texture			Mineral		Biogenic							Rock
Leg	Site	Hole	Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Clay	Quartz	Benthic foraminifers	Coccolith	Echinoid spines	Planktonic foraminifers	Radiolarians	Sponge spicules	Tunicate spicules	Bioclasts
182	1129	A	1	H	1	110	1.10	D	A	A			P	R	*				P	P	D
182	1129	B	1	H	3	50	25.50	D	D			R	R	C	C	R	P		C	P	A
182	1129	C	2	H	1	80	8.10	D						*	A				C	C	C
182	1129	C	5	H	5	67	42.47	D						*	A				*	*	A
182	1129	C	8	H	5	130	71.60	D						R	D				R	R	A
182	1129	C	25	X	4	110	231.30	D						P	D		P		R	*	A
182	1129	C	28	X	1	120	255.60	D							D		P		R	R	C
182	1129	D	13	R	2	90	471.90	D							D’				R		C
182	1129	D	16	R	1	66	498.96	D							D			*	R	*	C

Note: D’=Nannofossils becoming deformed

Sample										Texture					Mineral							Biogenic										Rock		
Leg	Site	Hole	Core	Type	Section	Top (cm)	Bottom (cm)	Depth (mbsf)	Lithology	Mudstone	Wackestone	Packstone	Grainstone	Boundstone	Aragonite	Dolomite	Glauconite	Opaques	Phosphorite	Pyrite	Quartz	Benthic Foraminifers	Bivalves	Bryozoans	Diatoms	Echinoids	Nannofossils	Ostracodes	Planktonic Foraminifers	Radiolarians	Sponge Spicules	Bioclasts	Micrite	Comments
182	1129	C	25	X	CC	18	21	231.55 - 231.58	D		X					C					*	C		C				C	C			C	A	Fine-grained bioclastic wackestone; partially dolomitized
182	1129	D	13	R	4	127	129	475.27 - 475.29	D		X					C								C					P		P	C	D	Fine-grained bioclastic wackestone; partially dolomitized
182	1129	D	22	R	1	105	109	557.15 - 557.19	D			X				A	P				*	P		C		P		C	P		C	C	C	Fine-grained microbioclastic packstone; partially dolomitized