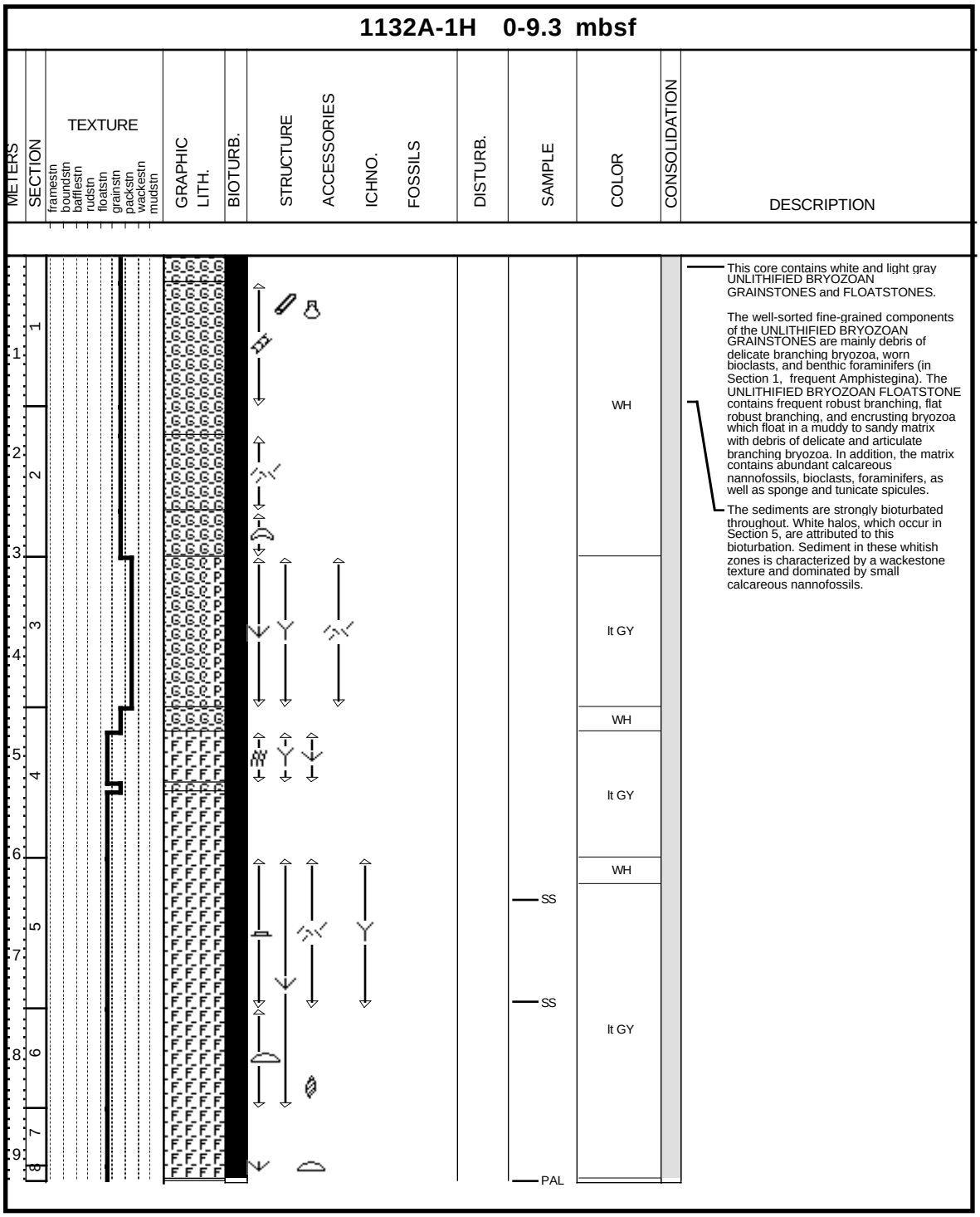
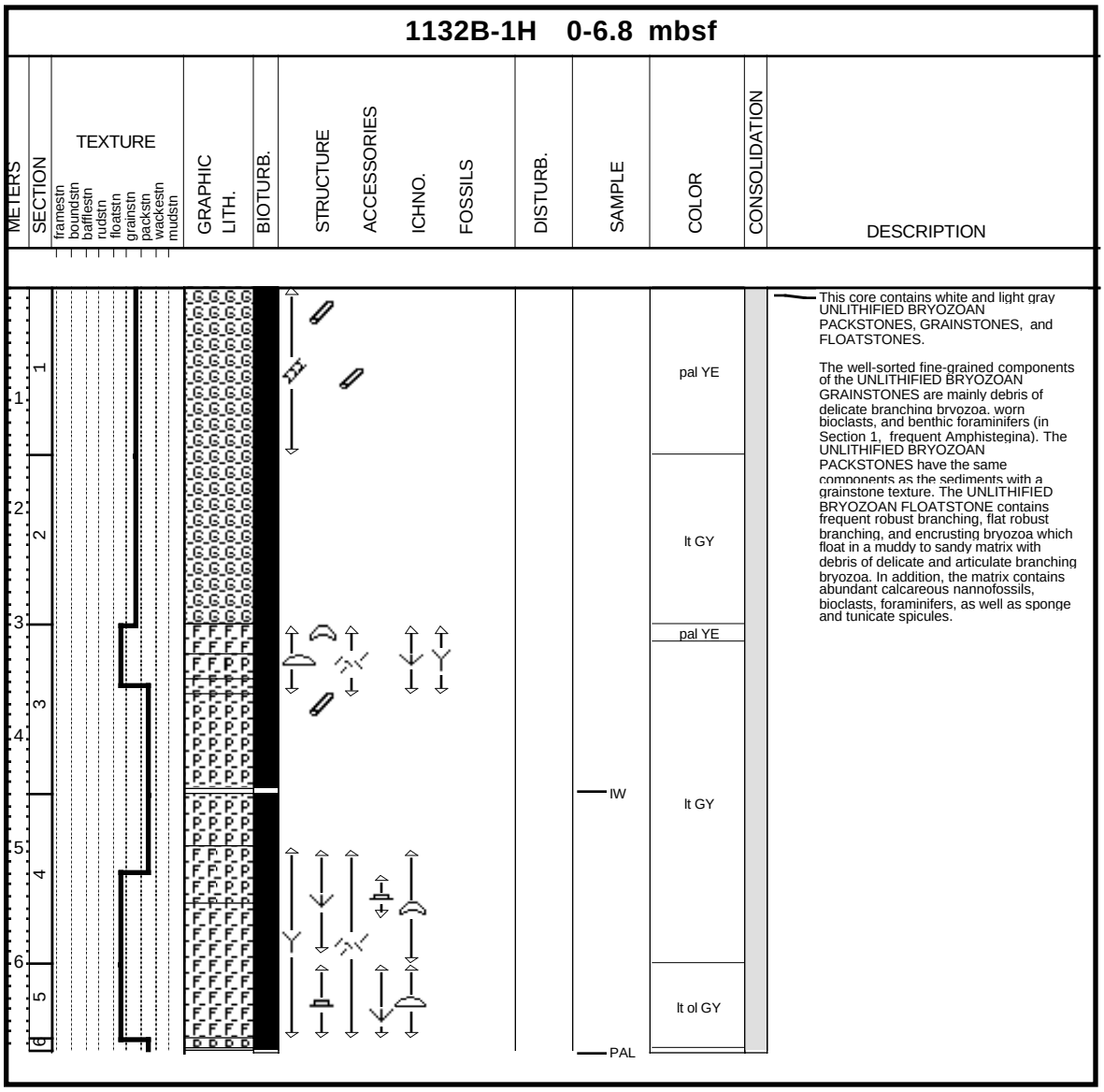
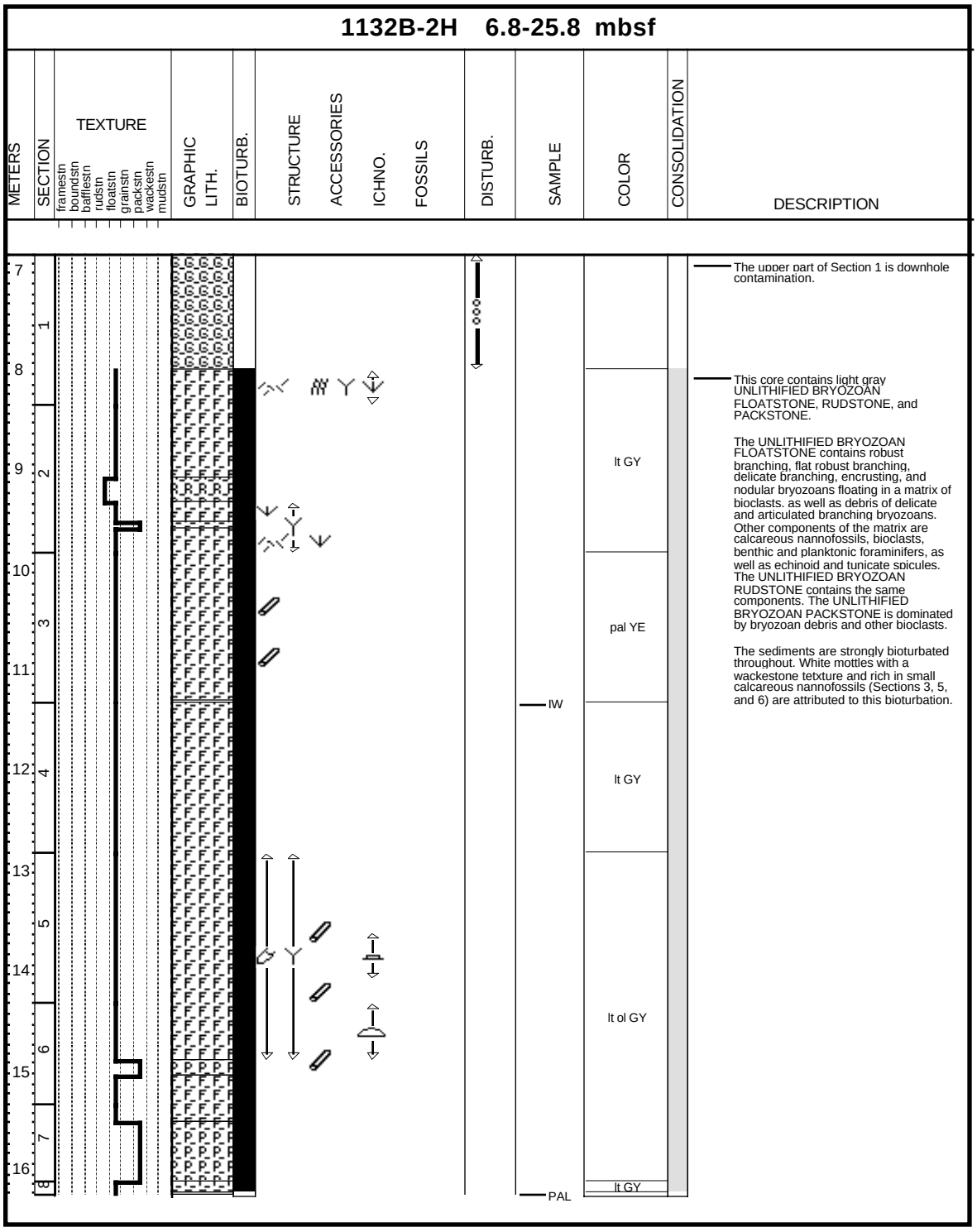
Core Photo


1132A-1H 0-9.3 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
SS
SS
PAL
WH
lt GY
WH
lt GY
WH
lt GY
This core contains white and light gray UNLITHIFIED BRYOZOAN GRAINSTONES and FLOATSTONES.
The well-sorted fine-grained components of the UNLITHIFIED BRYOZOAN GRAINSTONES are mainly debris of delicate branching bryozoa, worn bioclasts, and benthic foraminifers (in Section 1, frequent Amphistegina). The UNLITHIFIED BRYOZOAN FLOATSTONE contains frequent robust branching, flat robust branching, and encrusting bryozoa which float in a muddy to sandy matrix with debris of delicate and articulate branching bryozoa. In addition, the matrix contains abundant calcareous nannofossils, bioclasts, foraminifers, as well as sponge and tunicate spicules.
The sediments are strongly bioturbated throughout. White halos, which occur in Section 5, are attributed to this bioturbation. Sediment in these whitish zones is characterized by a wackestone texture and dominated by small calcareous nannofossils.

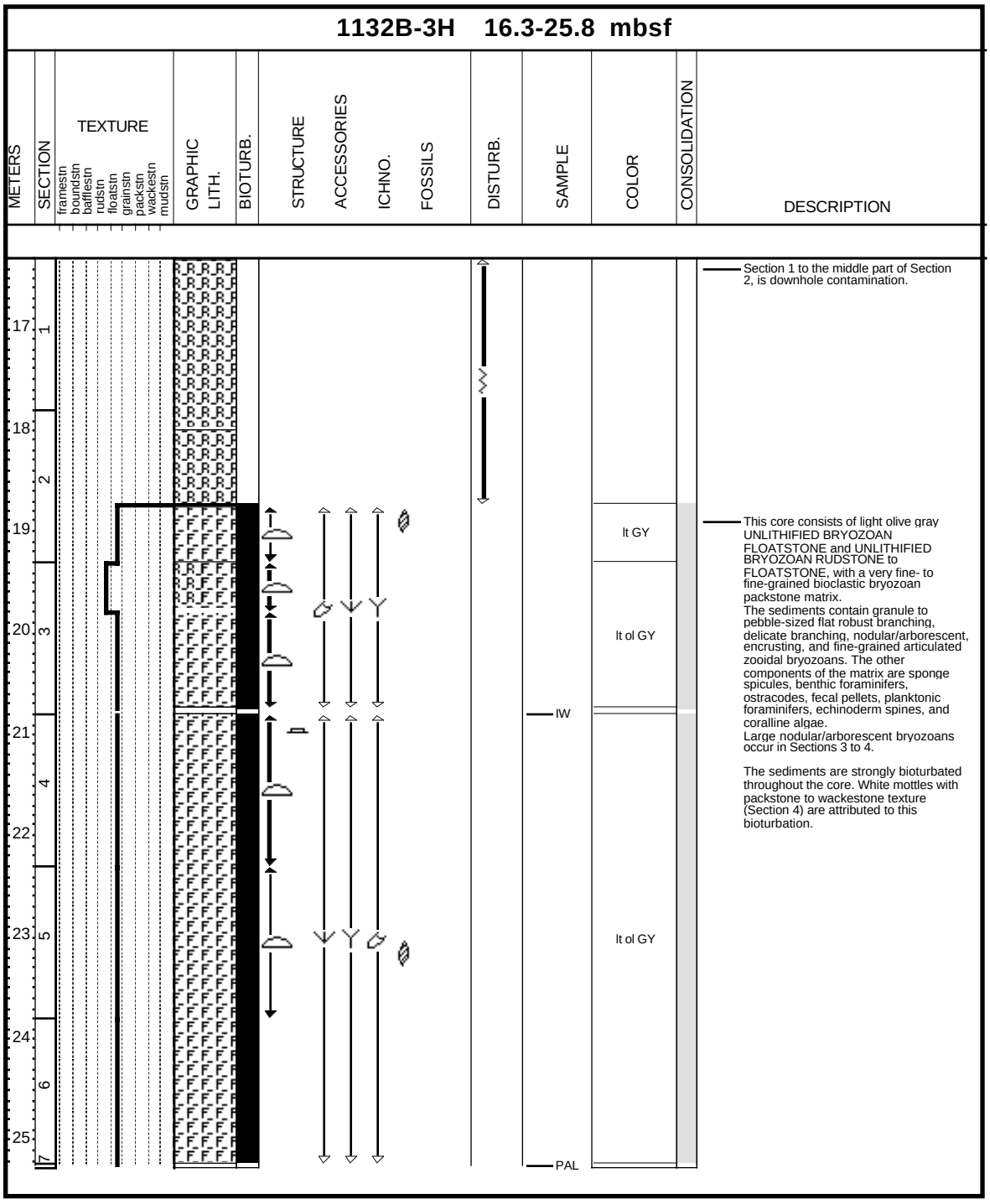
Core Photo


1132B-1H 0-6.8 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
IW
PAL
pal YE
lt GY
pal YE
lt GY
lt ol GY
This core contains white and light gray UNLITHIFIED BRYOZOAN PACKSTONES, GRAINSTONES, and FLOATSTONES.
The well-sorted fine-grained components of the UNLITHIFIED BRYOZOAN GRAINSTONES are mainly debris of delicate branching bryozoa, worn bioclasts, and benthic foraminifers (in Section 1, frequent Amphistegina). The UNLITHIFIED BRYOZOAN PACKSTONES have the same components as the sediments with a grainstone texture. The UNLITHIFIED BRYOZOAN FLOATSTONE contains frequent robust branching, flat robust branching, and encrusting bryozoa which float in a muddy to sandy matrix with debris of delicate and articulate branching bryozoa. In addition, the matrix contains abundant calcareous nannofossils, bioclasts, foraminifers, as well as sponge and tunicate spicules.

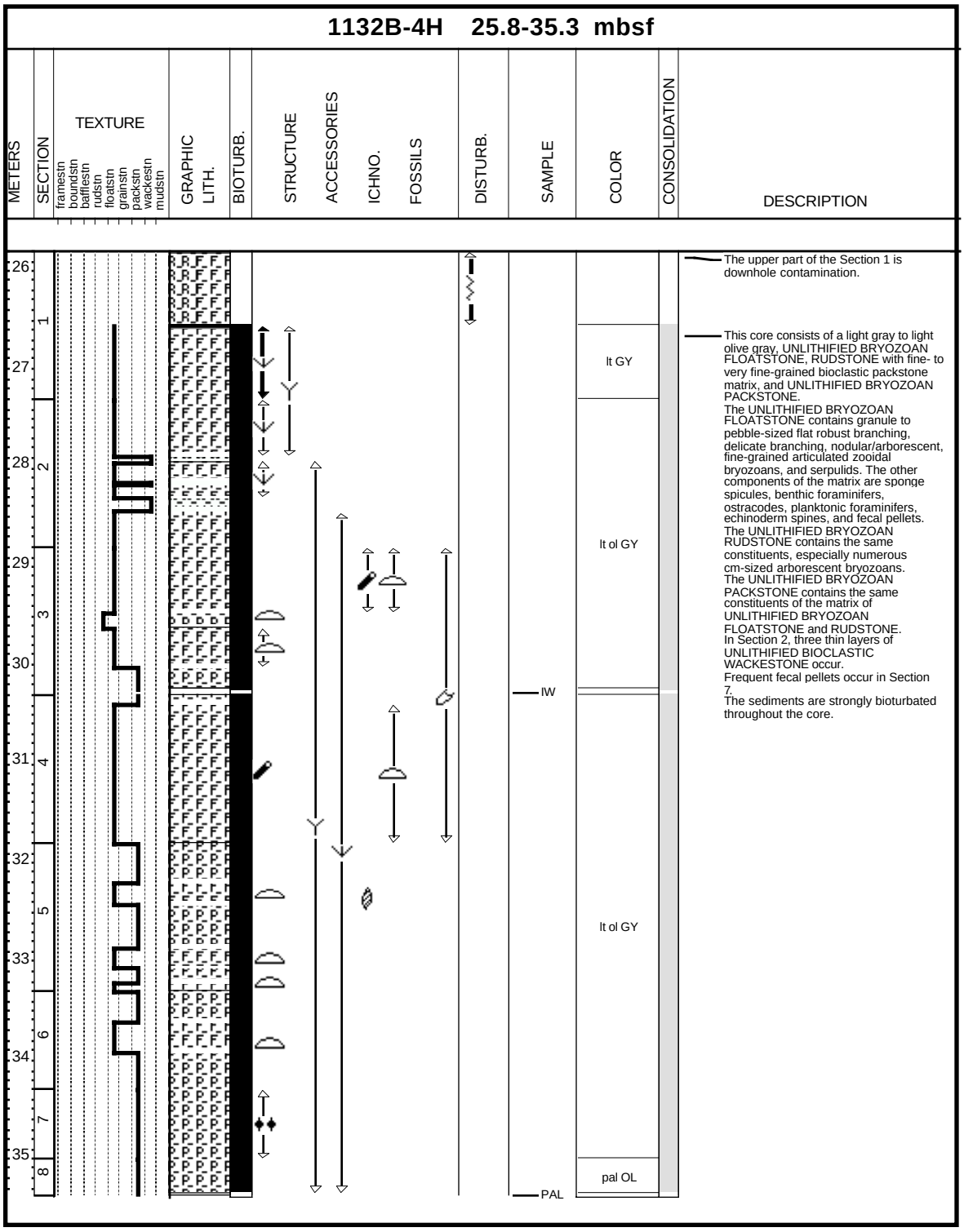
Core Photo


1132B-2H 6.8-25.8 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
lt GY
pal YE
lt GY
lt ol GY
lt GY
The upper part of Section 1 is downhole contamination.
This core contains light gray UNLITHIFIED BRYOZOAN FLOATSTONE, RUDSTONE, and PACKSTONE.
The UNLITHIFIED BRYOZOAN FLOATSTONE contains robust branching, flat robust branching, delicate branching, encrusting, and nodular bryozoans floating in a matrix of bioclasts. as well as debris of delicate and articulated branching bryozoans. Other components of the matrix are calcareous nannofossils, bioclasts, benthic and planktonic foraminifers, as well as echinoid and tunicate spicules. The UNLITHIFIED BRYOZOAN RUDSTONE contains the same components. The UNLITHIFIED BRYOZOAN PACKSTONE is dominated by bryozoan debris and other bioclasts.
The sediments are strongly bioturbated throughout. White mottles with a wackestone tetxture and rich in small calcareous nannofossils (Sections 3, 5, and 6) are attributed to this bioturbation.

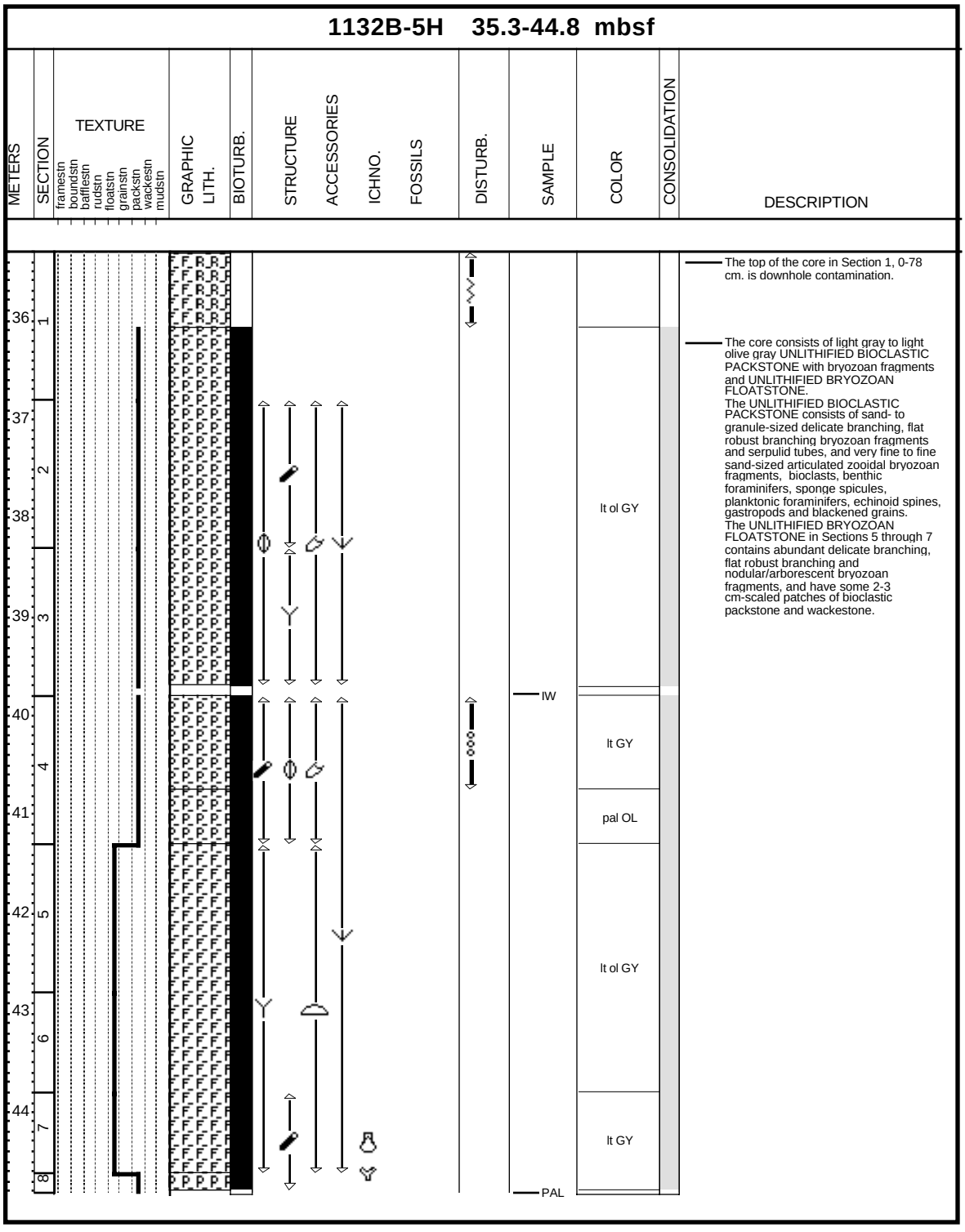
Core Photo


1132B-3H 16.3-25.8 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
17
18
19
20
21
22
23
24
25
1
2
3
4
5
6
7
IW
PAL
lt GY
lt ol GY
lt ol GY
Section 1 to the middle part of Section 2, is downhole contamination.
This core consists of light olive gray UNLITHIFIED BRYOZOAN FLOATSTONE and UNLITHIFIED BRYOZOAN RUDSTONE to FLOATSTONE, with a very fine- to fine-grained bioclastic bryozoan packstone matrix.
The sediments contain granule to pebble-sized flat robust branching, delicate branching, nodular/arborescent, encrusting, and fine-grained articulated zooidal bryozoans. The other components of the matrix are sponge spicules, benthic foraminifers, ostracodes, fecal pellets, planktonic foraminifers, echinoderm spines, and coralline algae.
Large nodular/arborescent bryozoans occur in Sections 3 to 4.
The sediments are strongly bioturbated throughout the core. White mottles with packstone to wackestone texture (Section 4) are attributed to this bioturbation.

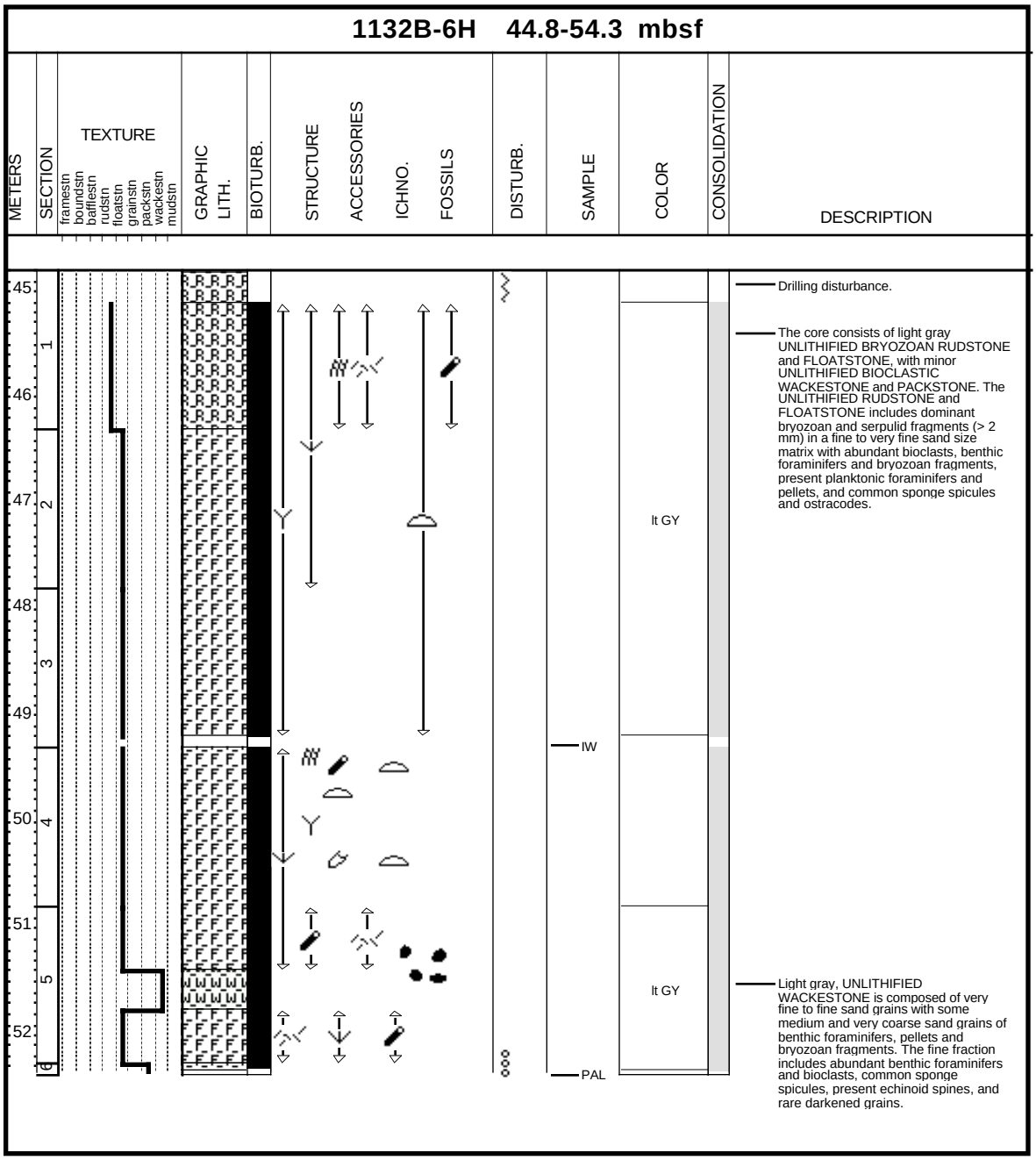
Core Photo


1132B-4H 25.8-35.3 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
26
27
28
29
30
31
32
33
34
35
1
2
3
4
5
6
7
8
IW
PAL
lt GY
lt ol GY
lt ol GY
pal OL
The upper part of the Section 1 is downhole contamination.
This core consists of a light gray to light olive gray, UNLITHIFIED BRYOZOAN FLOATSTONE, RUDSTONE with fine- to very fine-grained bioclastic packstone matrix, and UNLITHIFIED BRYOZOAN PACKSTONE.
The UNLITHIFIED BRYOZOAN FLOATSTONE contains granule to pebble-sized flat robust branching, delicate branching, nodular/arborescent, fine-grained articulated zooidal bryozoans, and serpulids. The other components of the matrix are sponge spicules, benthic foraminifers, ostracodes, planktonic foraminifers, echinoderm spines, and fecal pellets.
The UNLITHIFIED BRYOZOAN RUDSTONE contains the same constituents, especially numerous cm-sized arborescent bryozoans.
The UNLITHIFIED BRYOZOAN PACKSTONE contains the same constituents of the matrix of UNLITHIFIED BRYOZOAN FLOATSTONE and RUDSTONE.
In Section 2, three thin layers of UNLITHIFIED BIOCLASTIC WACKESTONE occur.
Frequent fecal pellets occur in Section 7.
The sediments are strongly bioturbated throughout the core.

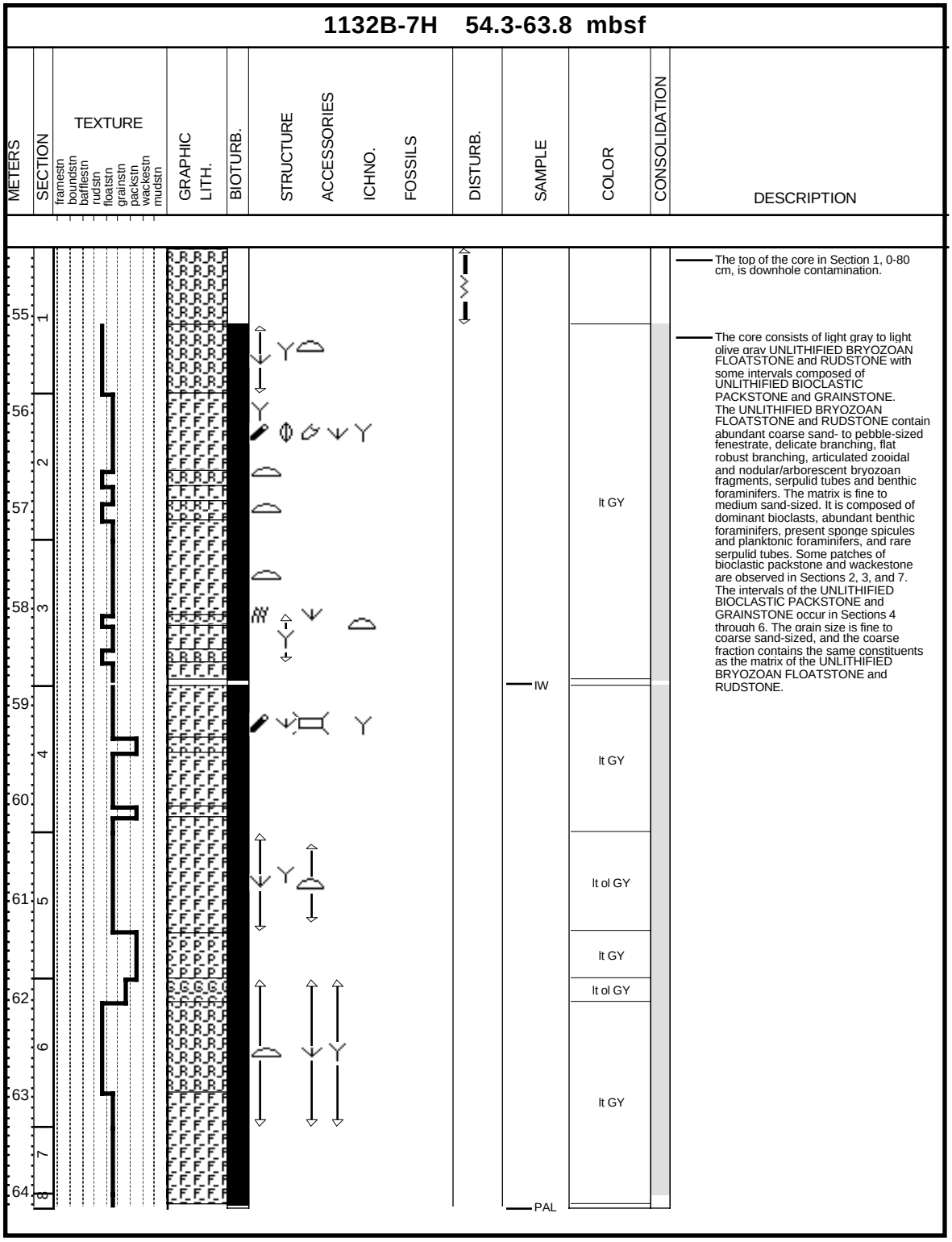
Core Photo


1132B-5H 35.3-44.8 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
36
37
38
39
40
41
42
43
44
1
2
3
4
5
6
7
8
IW
PAL
lt ol GY
lt GY
pal OL
lt ol GY
lt GY
The top of the core in Section 1, 0-78 cm. is downhole contamination.
The core consists of light gray to light olive gray UNLITHIFIED BIOCLASTIC PACKSTONE with bryozoan fragments and UNLITHIFIED BRYOZOAN FLOATSTONE.
The UNLITHIFIED BIOCLASTIC PACKSTONE consists of sand- to granule-sized delicate branching, flat robust branching bryozoan fragments and 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 in Sections 5 through 7 contains abundant delicate branching, flat robust branching and nodular/arborescent bryozoan fragments, and have some 2-3 cm-scaled patches of bioclastic packstone and wackestone.

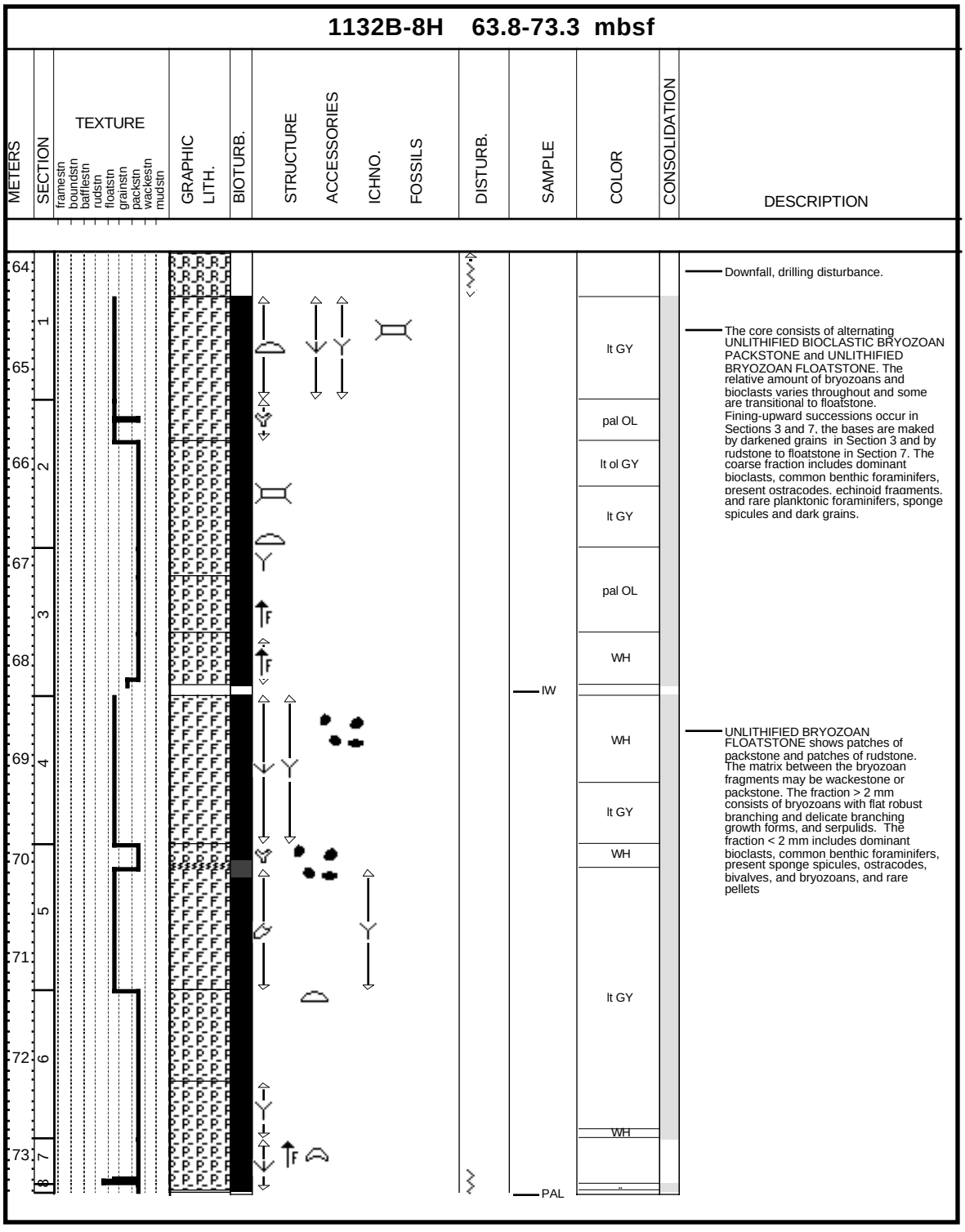
Core Photo


1132B-6H 44.8-54.3 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
45
46
47
48
49
50
51
52
1
2
3
4
5
IW
PAL
lt GY
lt GY
Drilling disturbance.
The core consists of light gray UNLITHIFIED BRYOZOAN RUDSTONE and FLOATSTONE, with minor UNLITHIFIED BIOCLASTIC WACKESTONE and PACKSTONE. The UNLITHIFIED RUDSTONE and FLOATSTONE includes dominant bryozoan and serpulid fragments (> 2 mm) in a fine to very fine sand size matrix with abundant bioclasts, benthic foraminifers and bryozoan fragments, present planktonic foraminifers and pellets, and common sponge spicules and ostracodes.
Light gray, UNLITHIFIED WACKESTONE is composed of very fine to fine sand grains with some medium and very coarse sand grains of benthic foraminifers, pellets and bryozoan fragments. The fine fraction includes abundant benthic foraminifers and bioclasts, common sponge spicules, present echinoid spines, and rare darkened grains.

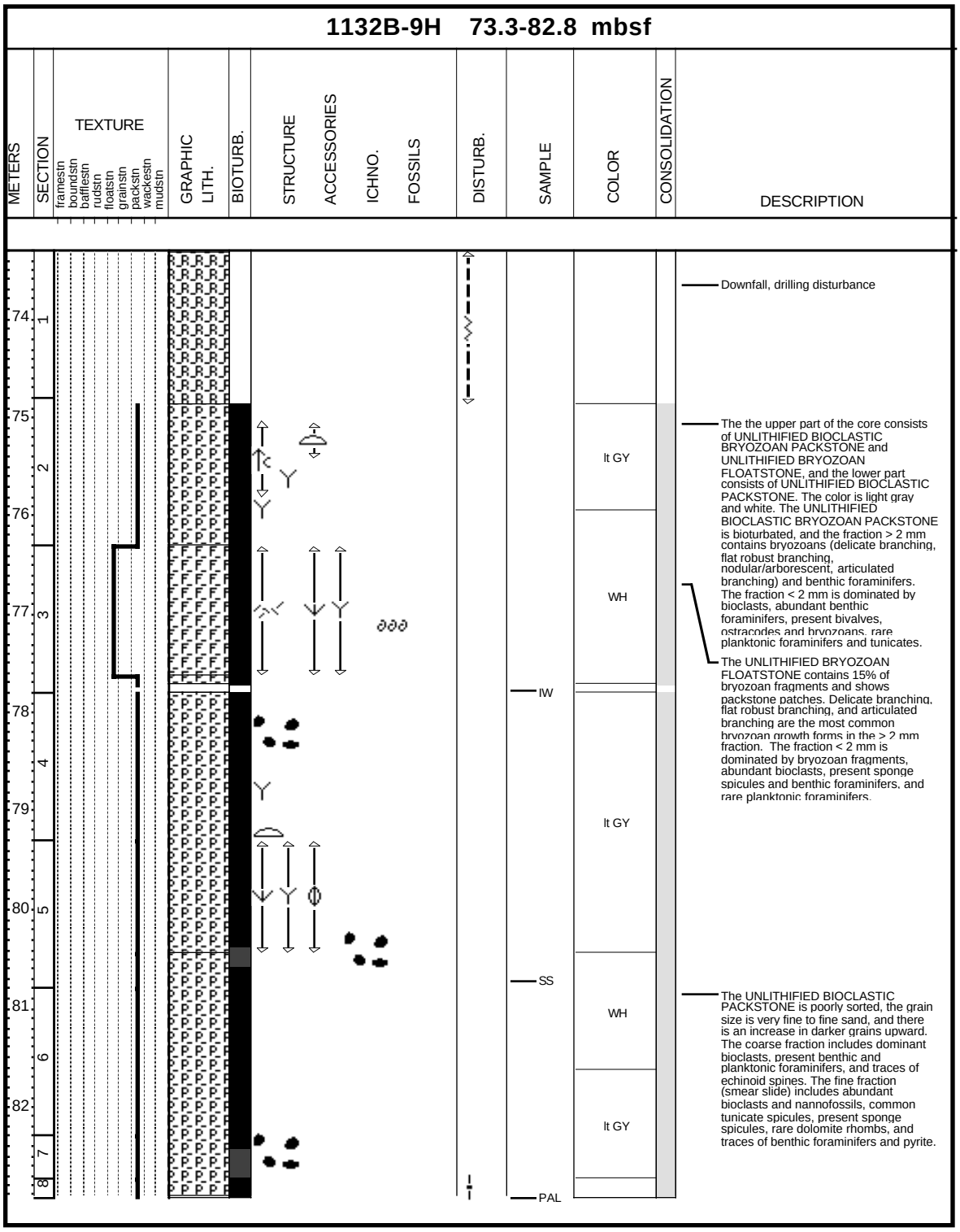
Core Photo


1132B-7H 54.3-63.8 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
barfliestn
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
63
64
1
2
3
4
5
6
7
8
IW
PAL
lt GY
lt GY
lt ol GY
lt GY
lt ol GY
lt GY
The top of the core in Section 1, 0-80 cm, is downhole contamination.
The core consists of light gray to light olive gray UNLITHIFIED BRYOZOAN FLOATSTONE and RUDSTONE with some intervals composed of UNLITHIFIED BIOCLASTIC PACKSTONE and GRAINSTONE. The UNLITHIFIED BRYOZOAN FLOATSTONE and RUDSTONE contain abundant coarse sand- to pebble-sized fenestrate, delicate branching, flat robust branching, articulated zooidal and nodular/arborescent bryozoan fragments, serpulid tubes and benthic foraminifers. The matrix is fine to medium sand-sized. It is composed of dominant bioclasts, abundant benthic foraminifers, present sponge spicules and planktonic foraminifers, and rare serpulid tubes. Some patches of bioclastic packstone and wackestone are observed in Sections 2, 3, and 7. The intervals of the UNLITHIFIED BIOCLASTIC PACKSTONE and GRAINSTONE occur in Sections 4 through 6. The grain size is fine to coarse sand-sized, and the coarse fraction contains the same constituents as the matrix of the UNLITHIFIED BRYOZOAN FLOATSTONE and RUDSTONE.

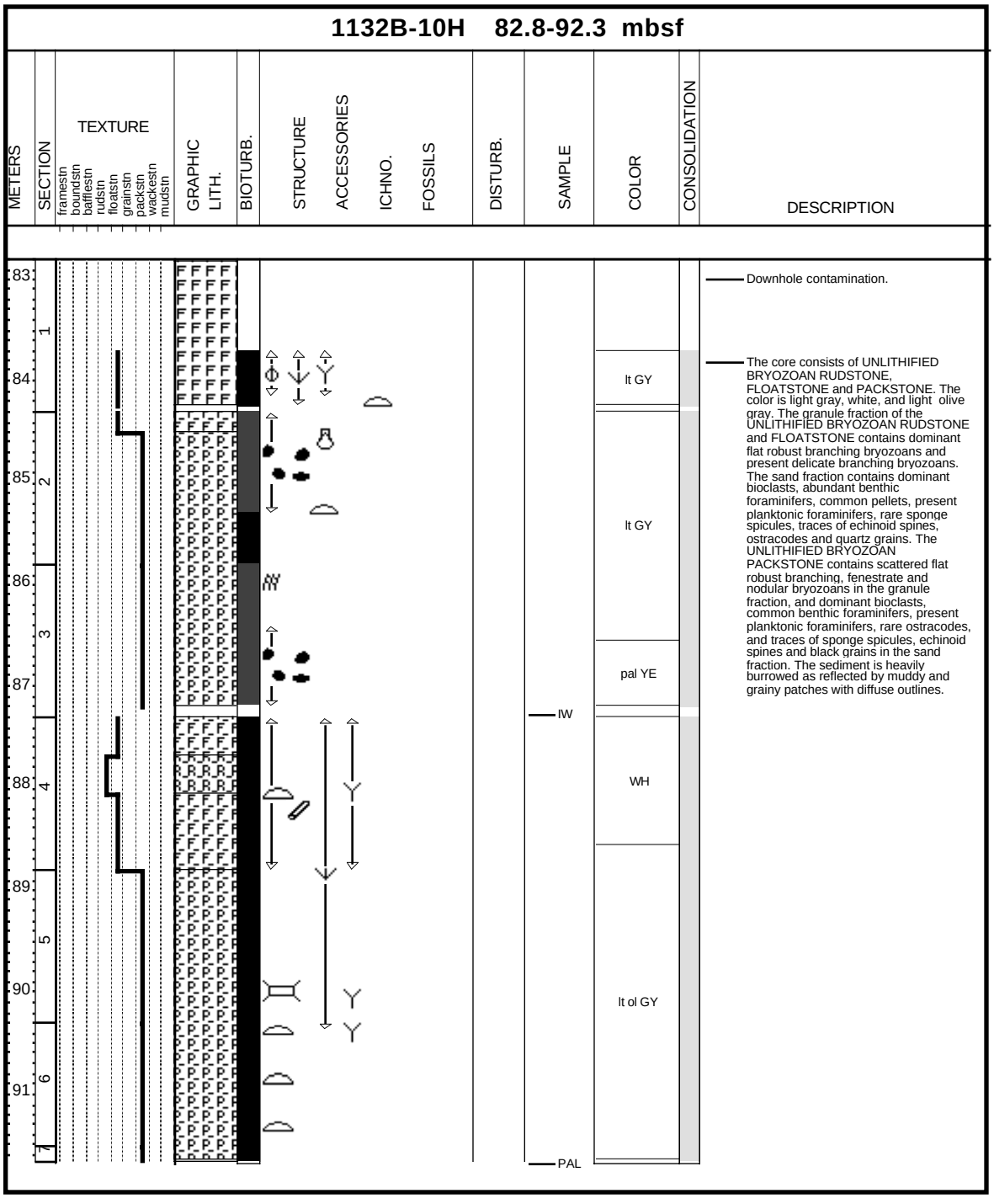
Core Photo


1132B-8H 63.8-73.3 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
64
65
66
67
68
69
70
71
72
73
1
2
3
4
5
6
7
lt GY
pal OL
lt ol GY
lt GY
pal OL
WH
IW
WH
lt GY
WH
lt GY
WH
PAL
Downfall, drilling disturbance.
The core consists of alternating UNLITHIFIED BIOCLASTIC BRYOZOAN PACKSTONE and UNLITHIFIED BRYOZOAN FLOATSTONE. The relative amount of bryozoans and bioclasts varies throughout and some are transitional to floatstone. Fining-upward successions occur in Sections 3 and 7, the bases are maked by darkened grains in Section 3 and by rudstone to floatstone in Section 7. The coarse fraction includes dominant bioclasts, common benthic foraminifers, present ostracodes, echinoid fragments, and rare planktonic foraminifers, sponge spicules and dark grains.
UNLITHIFIED BRYOZOAN FLOATSTONE shows patches of packstone and patches of rudstone. The matrix between the bryozoan fragments may be wackestone or packstone. The fraction > 2 mm consists of bryozoans with flat robust branching and delicate branching growth forms, and serpulids. The fraction < 2 mm includes dominant bioclasts, common benthic foraminifers, present sponge spicules, ostracodes, bivalves, and bryozoans, and rare pellets

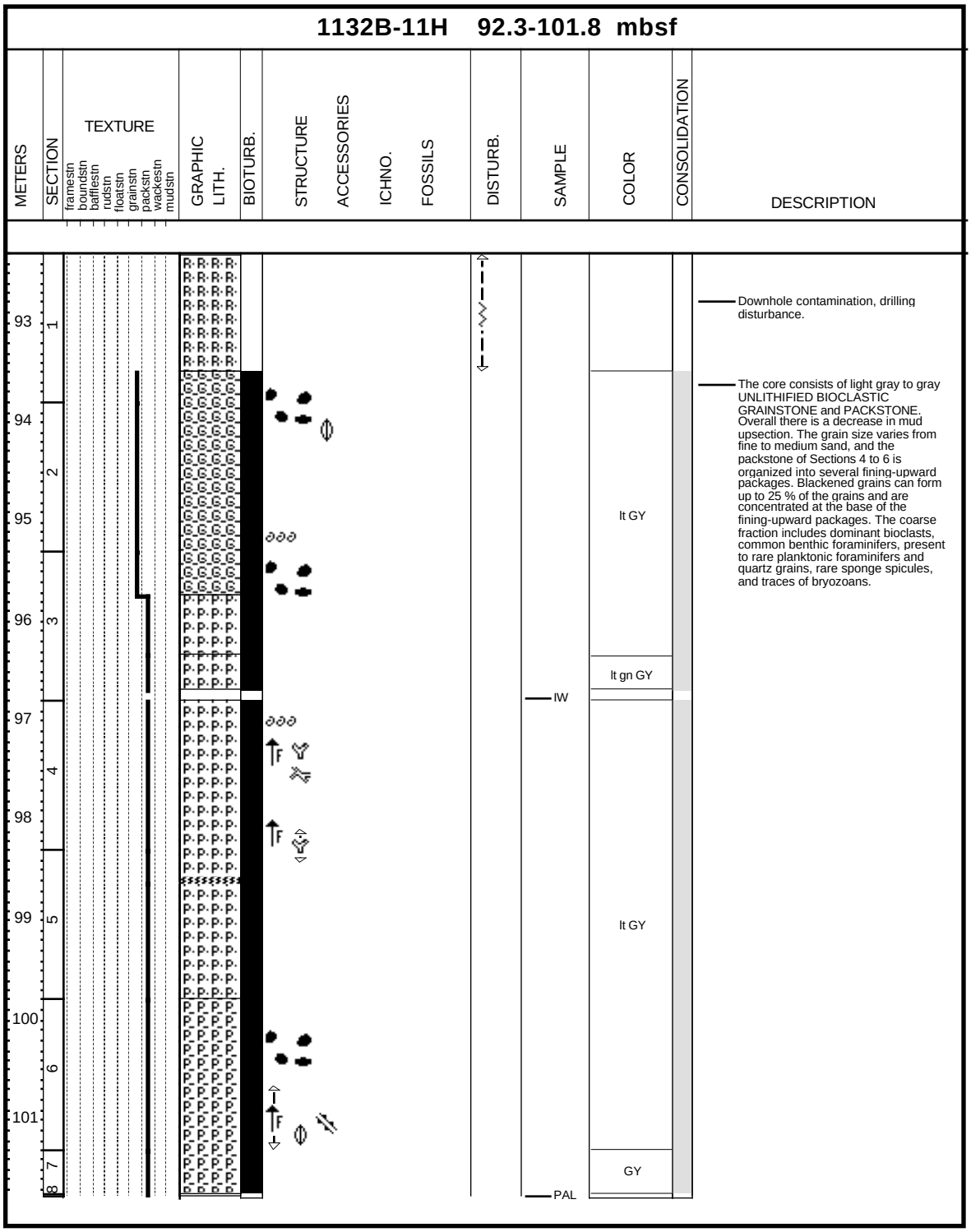
Core Photo


1132B-9H 73.3-82.8 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
74
75
76
77
78
79
80
81
82
1
2
3
4
5
6
7
8
IW
SS
PAL
lt GY
WH
lt GY
WH
lt GY
Downfall, drilling disturbance
The the upper part of the core consists of UNLITHIFIED BIOCLASTIC BRYOZOAN PACKSTONE and UNLITHIFIED BRYOZOAN FLOATSTONE, and the lower part consists of UNLITHIFIED BIOCLASTIC PACKSTONE. The color is light gray and white. The UNLITHIFIED BIOCLASTIC BRYOZOAN PACKSTONE is bioturbated, and the fraction > 2 mm contains bryozoans (delicate branching, flat robust branching, nodular/arborescent, articulated branching) and benthic foraminifers. The fraction < 2 mm is dominated by bioclasts, abundant benthic foraminifers, present bivalves, ostracodes and bryozoans, rare planktonic foraminifers and tunicates.
The UNLITHIFIED BRYOZOAN FLOATSTONE contains 15% of bryozoan fragments and shows packstone patches. Delicate branching, flat robust branching, and articulated branching are the most common bryozoan growth forms in the > 2 mm fraction. The fraction < 2 mm is dominated by bryozoan fragments, abundant bioclasts, present sponge spicules and benthic foraminifers, and rare planktonic foraminifers.
The UNLITHIFIED BIOCLASTIC PACKSTONE is poorly sorted, the grain size is very fine to fine sand, and there is an increase in darker grains upward. The coarse fraction includes dominant bioclasts, present benthic and planktonic foraminifers, and traces of echinoid spines. The fine fraction (smear slide) includes abundant bioclasts and nannofossils, common tunicate spicules, present sponge spicules, rare dolomite rhombs, and traces of benthic foraminifers and pyrite.

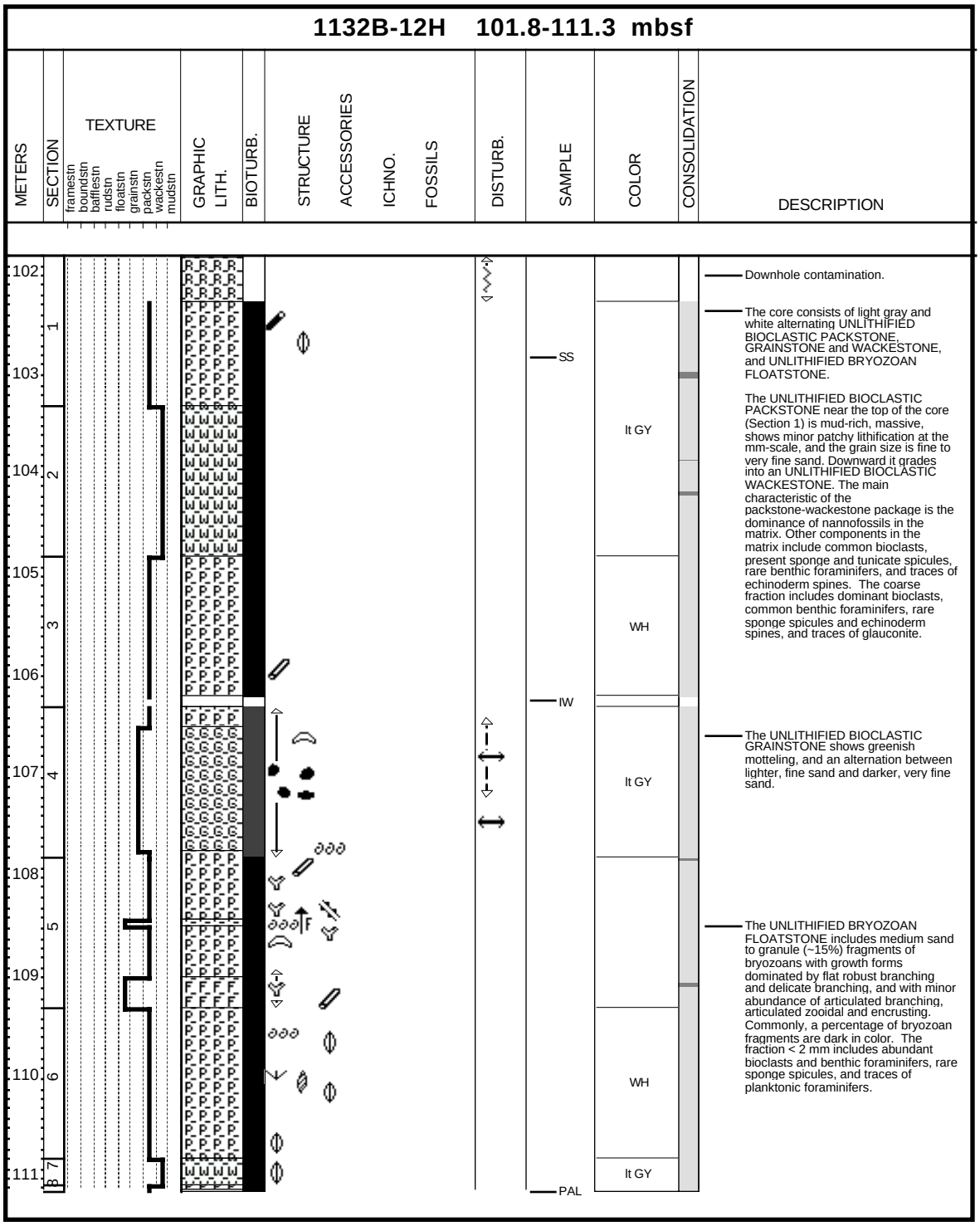
Core Photo


1132B-10H 82.8-92.3 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
83
84
85
86
87
88
89
90
91
1
2
3
4
5
6
7
IW
PAL
lt GY
lt GY
pal YE
WH
lt ol GY
Downhole contamination.
The core consists of UNLITHIFIED BRYOZOAN RUDSTONE, FLOATSTONE and PACKSTONE. The color is light gray, white, and light olive gray. The granule fraction of the UNLITHIFIED BRYOZOAN RUDSTONE and FLOATSTONE contains dominant flat robust branching bryozoans and present delicate branching bryozoans. The sand fraction contains dominant bioclasts, abundant benthic foraminifers, common pellets, present planktonic foraminifers, rare sponge spicules, traces of echinoid spines, ostracodes and quartz grains. The UNLITHIFIED BRYOZOAN PACKSTONE contains scattered flat robust branching, fenestrate and nodular bryozoans in the granule fraction, and dominant bioclasts, common benthic foraminifers, present planktonic foraminifers, rare ostracodes, and traces of sponge spicules, echinoid spines and black grains in the sand fraction. The sediment is heavily burrowed as reflected by muddy and grainy patches with diffuse outlines.

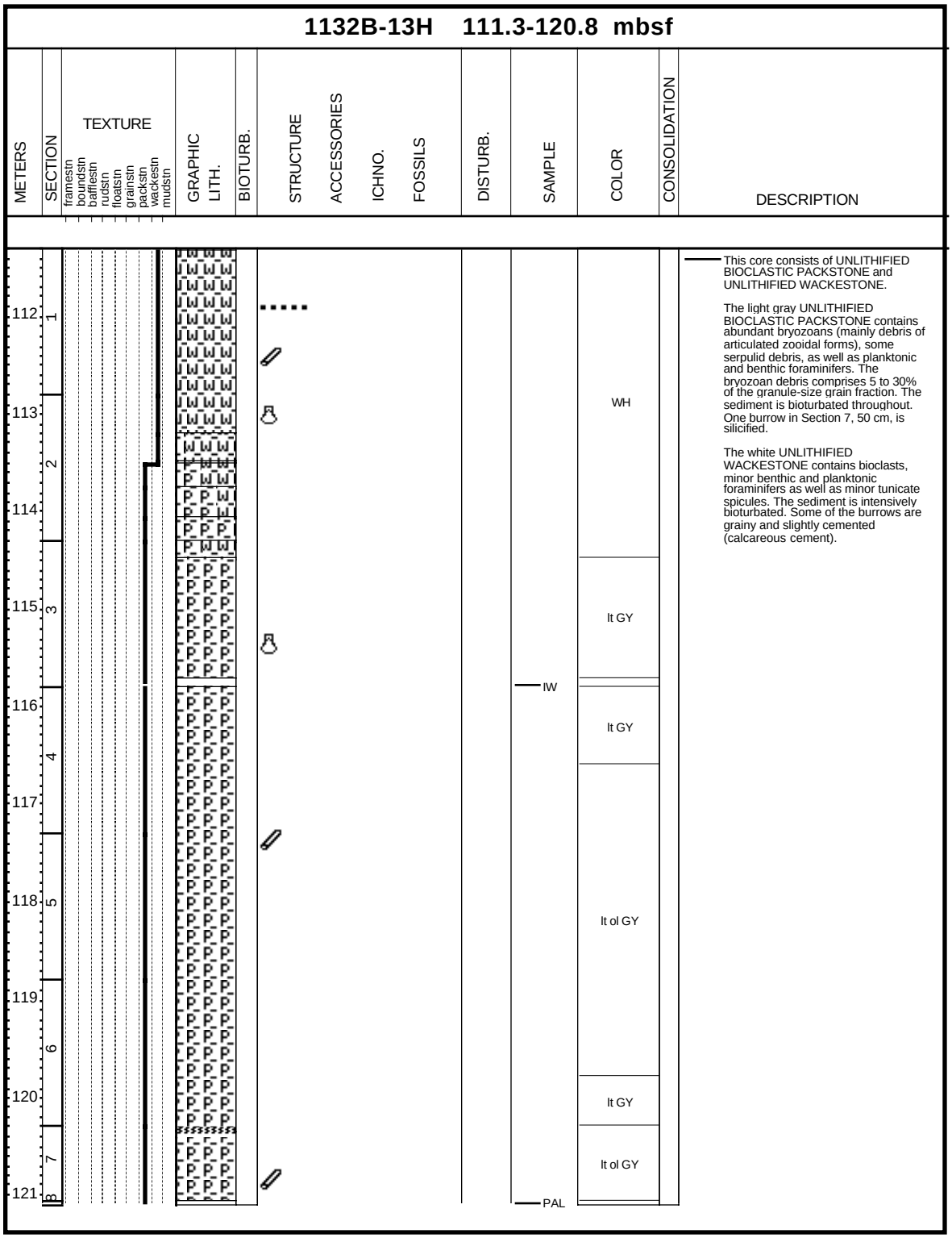
Core Photo


1132B-11H 92.3-101.8 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
7
8
lt GY
lt gn GY
lt GY
GY
IW
PAL
Downhole contamination, drilling disturbance.
The core consists of light gray to gray UNLITHIFIED BIOCLASTIC GRAINSTONE and PACKSTONE. Overall there is a decrease in mud upsection. The grain size varies from fine to medium sand, and the packstone of Sections 4 to 6 is organized into several fining-upward packages. Blackened grains can form up to 25 % of the grains and are concentrated at the base of the fining-upward packages. The coarse fraction includes dominant bioclasts, common benthic foraminifers, present to rare planktonic foraminifers and quartz grains, rare sponge spicules, and traces of bryozoans.

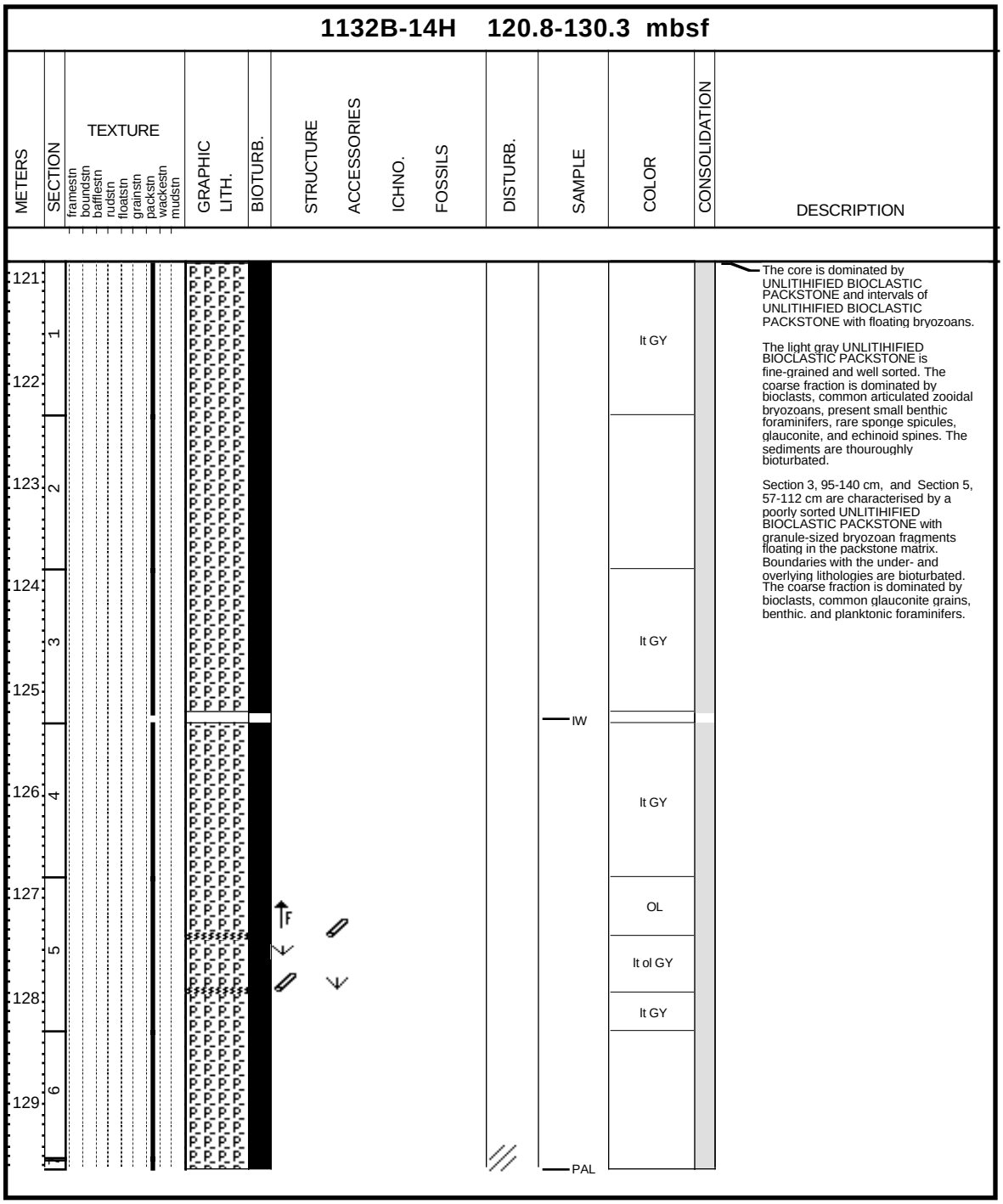
Core Photo


1132B-12H 101.8-111.3 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
102
103
104
105
106
107
108
109
110
111
1
2
3
4
5
6
7
SS
IW
PAL
lt GY
WH
lt GY
WH
lt GY
Downhole contamination.
The core consists of light gray and white alternating UNLITHIFIED BIOCLASTIC PACKSTONE, GRAINSTONE and WACKESTONE, and UNLITHIFIED BRYOZOAN FLOATSTONE.
The UNLITHIFIED BIOCLASTIC PACKSTONE near the top of the core (Section 1) is mud-rich, massive, shows minor patchy lithification at the mm-scale, and the grain size is fine to very fine sand. Downward it grades into an UNLITHIFIED BIOCLASTIC WACKESTONE. The main characteristic of the packstone-wackestone package is the dominance of nannofossils in the matrix. Other components in the matrix include common bioclasts, present sponge and tunicate spicules, rare benthic foraminifers, and traces of echinoderm spines. The coarse fraction includes dominant bioclasts, common benthic foraminifers, rare sponge spicules and echinoderm spines, and traces of glauconite.
The UNLITHIFIED BIOCLASTIC GRAINSTONE shows greenish motteling, and an alternation between lighter, fine sand and darker, very fine sand.
The UNLITHIFIED BRYOZOAN FLOATSTONE includes medium sand to granule (~15%) fragments of bryozoans with growth forms dominated by flat robust branching and delicate branching, and with minor abundance of articulated branching, articulated zooidal and encrusting. Commonly, a percentage of bryozoan fragments are dark in color. The fraction < 2 mm includes abundant bioclasts and benthic foraminifers, rare sponge spicules, and traces of planktonic foraminifers.

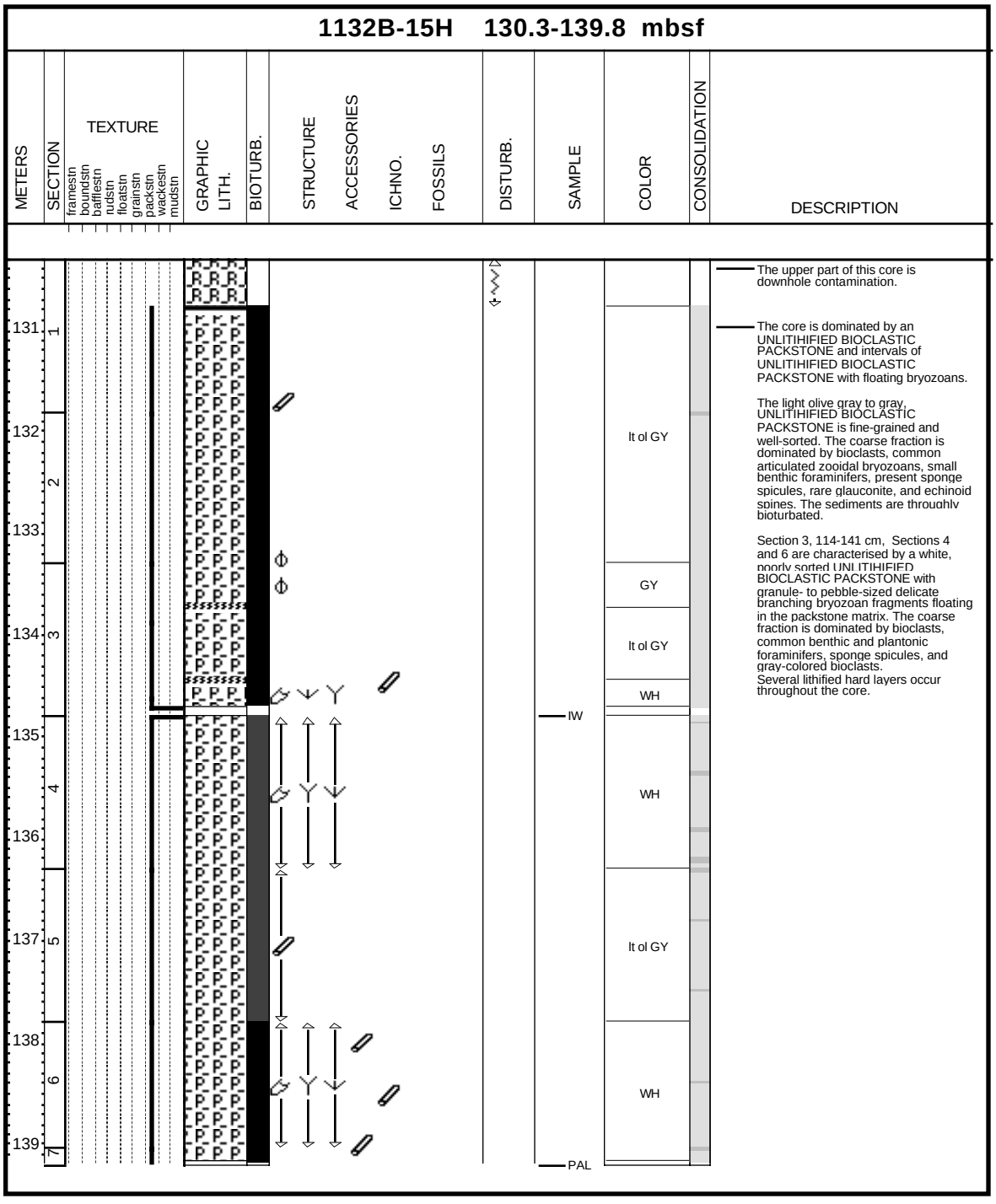
Core Photo


1132B-13H 111.3-120.8 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
112
113
114
115
116
117
118
119
120
121
1
2
3
4
5
6
7
CC
IW
PAL
WH
lt GY
lt GY
lt ol GY
lt GY
lt ol GY
This core consists of UNLITHIFIED BIOCLASTIC PACKSTONE and UNLITHIFIED WACKESTONE.
The light gray UNLITHIFIED BIOCLASTIC PACKSTONE contains abundant bryozoans (mainly debris of articulated zooidal forms), some serpulid debris, as well as planktonic and benthic foraminifers. The bryozoan debris comprises 5 to 30% of the granule-size grain fraction. The sediment is bioturbated throughout. One burrow in Section 7, 50 cm, is silicified.
The white UNLITHIFIED WACKESTONE contains bioclasts, minor benthic and planktonic foraminifers as well as minor tunicate spicules. The sediment is intensively bioturbated. Some of the burrows are grainy and slightly cemented (calcareous cement).

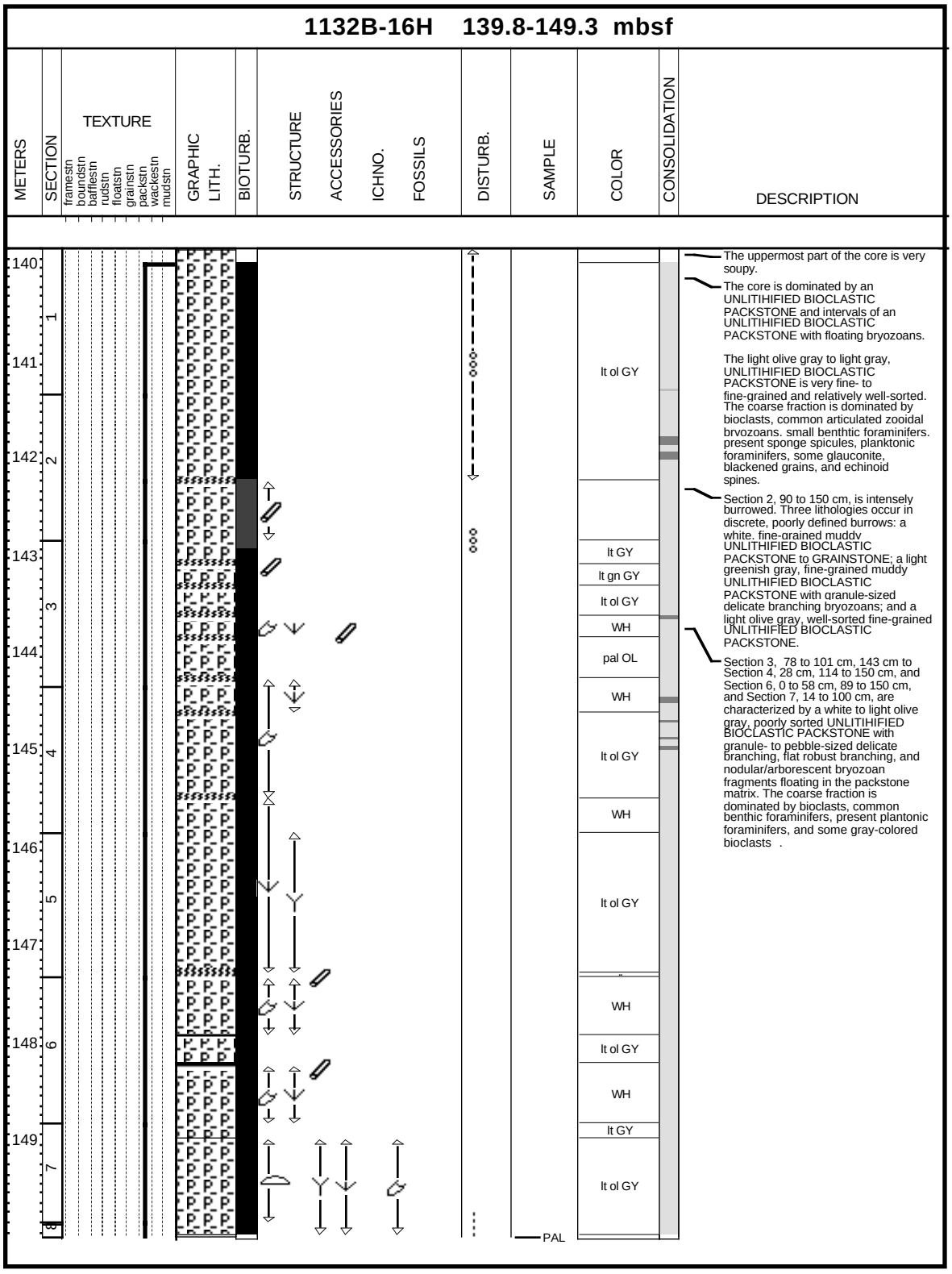
Core Photo


1132B-14H 120.8-130.3 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
121
122
123
124
125
126
127
128
129
1
2
3
4
5
6
F
IW
PAL
lt GY
lt GY
lt GY
OL
lt ol GY
lt GY
The core is dominated by UNLITIHIFIED BIOCLASTIC PACKSTONE and intervals of UNLITIHIFIED BIOCLASTIC PACKSTONE with floating bryozoans.
The light gray UNLITIHIFIED BIOCLASTIC PACKSTONE is fine-grained and well sorted. The coarse fraction is dominated by bioclasts, common articulated zooidal bryozoans, present small benthic foraminifers, rare sponge spicules, glauconite, and echinoid spines. The sediments are thouroughly bioturbated.
Section 3, 95-140 cm, and Section 5, 57-112 cm are characterised by a poorly sorted UNLITIHIFIED BIOCLASTIC PACKSTONE with granule-sized bryozoan fragments floating in the packstone matrix. Boundaries with the under- and overlying lithologies are bioturbated. The coarse fraction is dominated by bioclasts, common glauconite grains, benthic. and planktonic foraminifers.

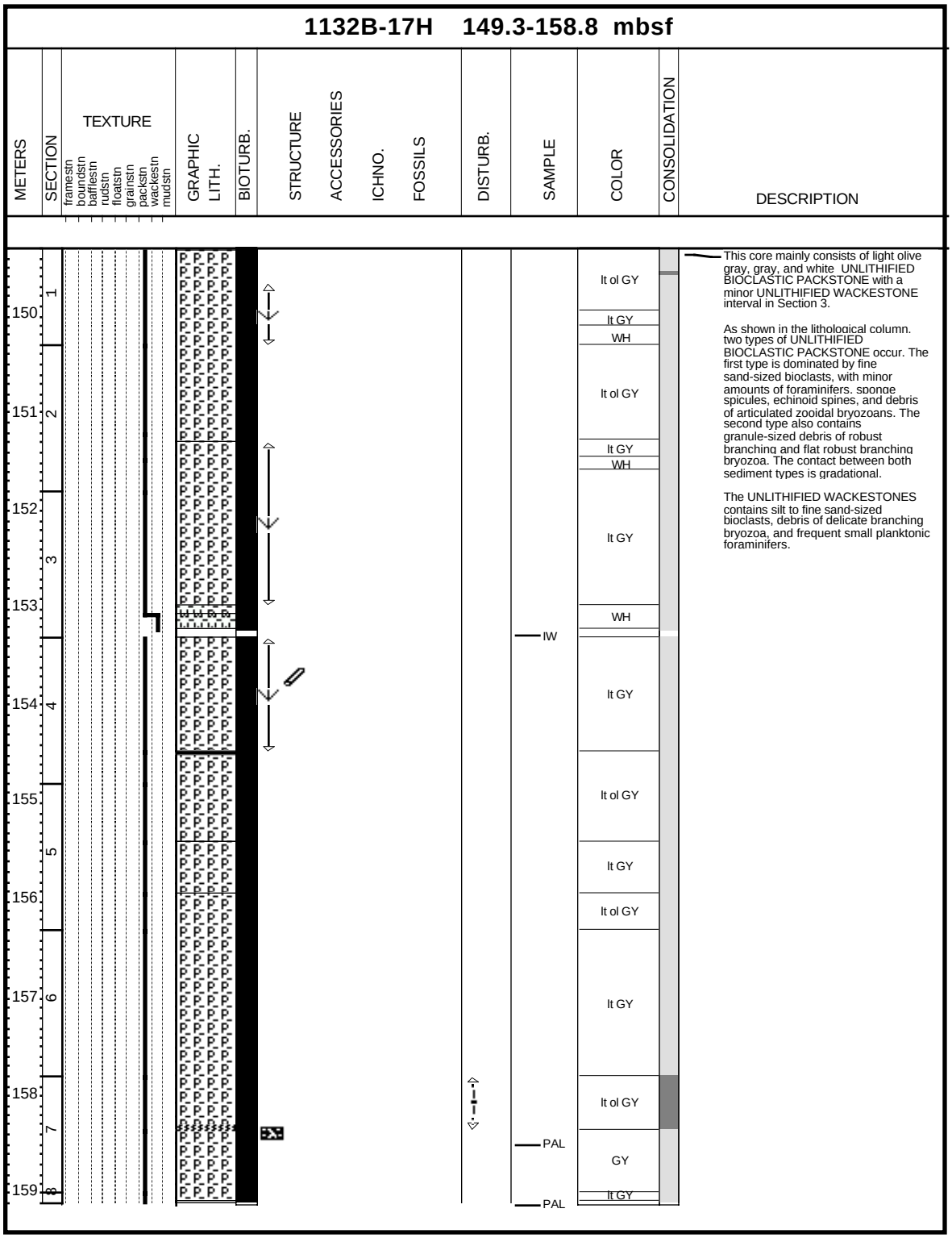
Core Photo


1132B-15H 130.3-139.8 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
131
132
133
134
135
136
137
138
139
1
2
3
4
5
6
7
IW
PAL
lt ol GY
GY
lt ol GY
WH
WH
lt ol GY
WH
The upper part of this core is downhole contamination.
The core is dominated by an UNLITIHIFIED BIOCLASTIC PACKSTONE and intervals of UNLITIHIFIED BIOCLASTIC PACKSTONE with floating bryozoans.
The light olive gray to gray, UNLITIHIFIED BIOCLASTIC PACKSTONE is fine-grained and well-sorted. The coarse fraction is dominated by bioclasts, common articulated zooidal bryozoans, small benthic foraminifers, present sponge spicules, rare glauconite, and echinoid spines. The sediments are throughly bioturbated.
Section 3, 114-141 cm, Sections 4 and 6 are characterised by a white, poorly sorted UNLITIHIFIED BIOCLASTIC PACKSTONE with granule- to pebble-sized delicate branching bryozoan fragments floating in the packstone matrix. The coarse fraction is dominated by bioclasts, common benthic and plantonic foraminifers, sponge spicules, and gray-colored bioclasts.
Several lithified hard layers occur throughout the core.

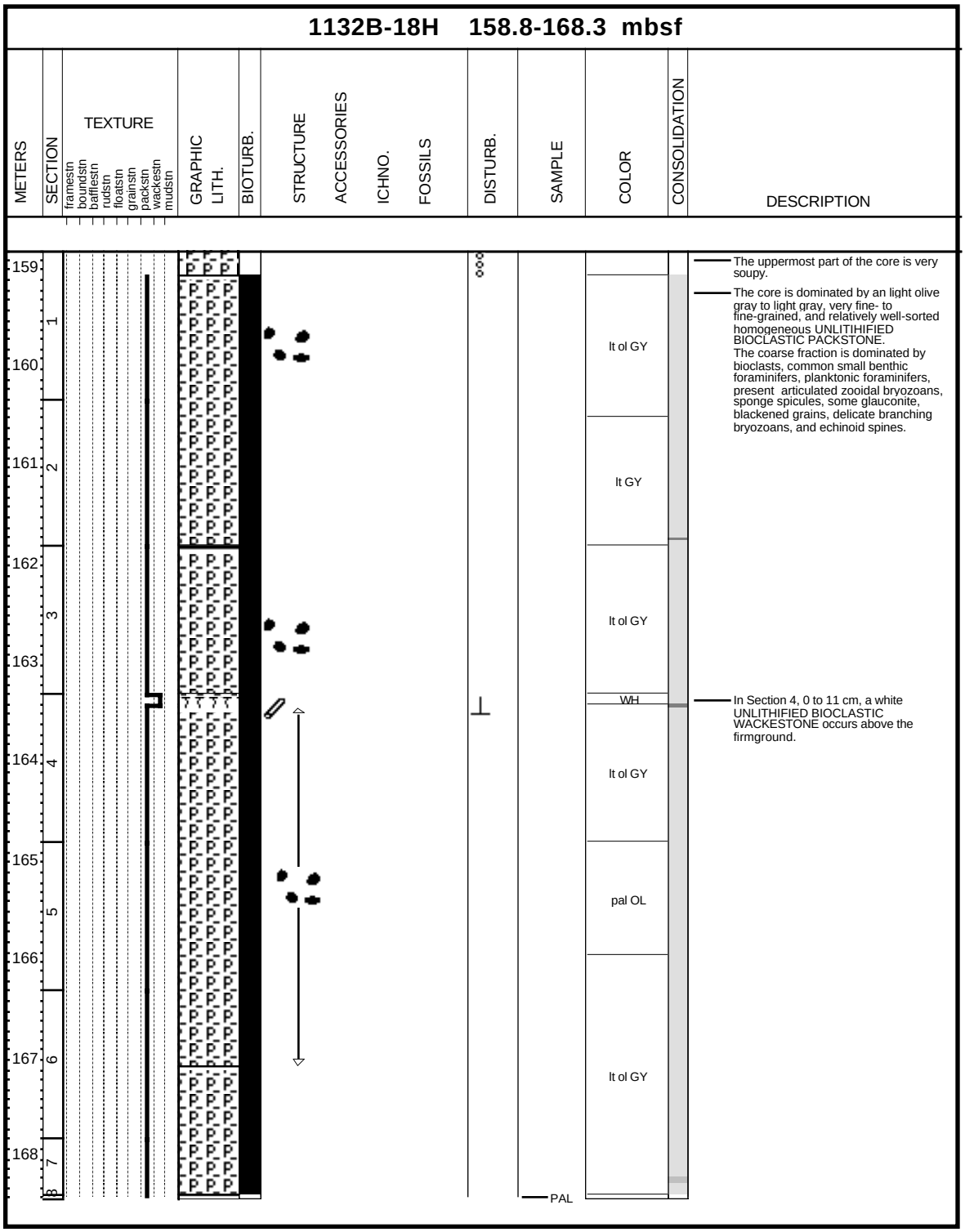
Core Photo


1132B-16H 139.8-149.3 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
140
141
142
143
144
145
146
147
148
149
1
2
3
4
5
6
7
8
PAL
lt ol GY
lt GY
lt gn GY
lt ol GY
WH
pal OL
WH
lt ol GY
WH
lt ol GY
WH
lt ol GY
WH
lt GY
lt ol GY
The uppermost part of the core is very soupy.
The core is dominated by an UNLITHIFIED BIOCLASTIC PACKSTONE and intervals of an UNLITHIFIED BIOCLASTIC PACKSTONE with floating bryozoans.
The light olive gray to light gray, UNLITHIFIED BIOCLASTIC PACKSTONE is very fine- to fine-grained and relatively well-sorted. The coarse fraction is dominated by bioclasts, common articulated zooidal brvozoans. small benthtic foraminifers. present sponge spicules, planktonic foraminifers, some glauconite, blackened grains, and echinoid spines.
Section 2, 90 to 150 cm, is intensely burrowed. Three lithologies occur in discrete, poorly defined burrows: a white. fine-grained muddy UNLITHIFIED BIOCLASTIC PACKSTONE to GRAINSTONE; a light greenish gray, fine-grained muddy UNLITHIFIED BIOCLASTIC PACKSTONE with granule-sized delicate branching bryozoans; and a light olive gray, well-sorted fine-grained UNLITHIFIED BIOCLASTIC PACKSTONE.
Section 3, 78 to 101 cm, 143 cm to Section 4, 28 cm, 114 to 150 cm, and Section 6, 0 to 58 cm, 89 to 150 cm, and Section 7, 14 to 100 cm, are characterized by a white to light olive gray, poorly sorted UNLITIHIFIED BIOCLASTIC PACKSTONE with granule- to pebble-sized delicate branching, flat robust branching, and nodular/arborescent bryozoan fragments floating in the packstone matrix. The coarse fraction is dominated by bioclasts, common benthic foraminifers, present plantonic foraminifers, and some gray-colored bioclasts .

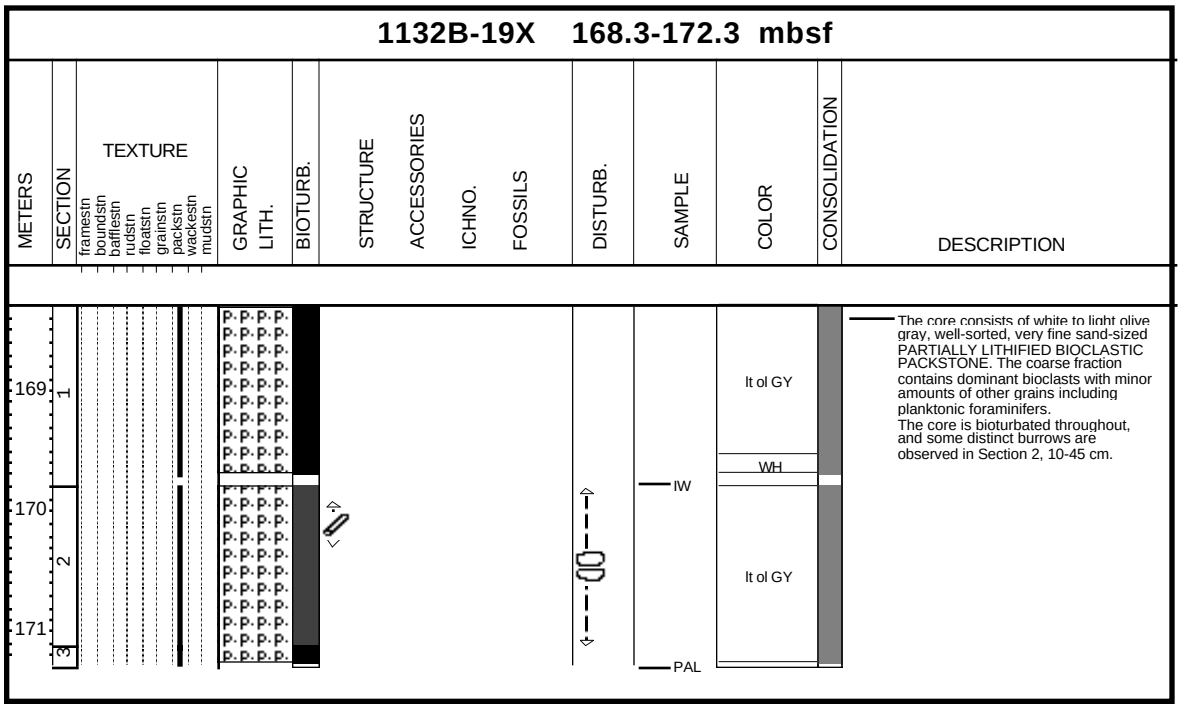
Core Photo


1132B-17H 149.3-158.8 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
150
151
152
153
154
155
156
157
158
159
1
2
3
4
5
6
7
8
lt ol GY
lt GY
WH
lt ol GY
lt GY
WH
lt GY
WH
IW
lt GY
lt ol GY
lt GY
lt ol GY
lt GY
lt ol GY
PAL
GY
PAL
lt GY
This core mainly consists of light olive gray, gray, and white UNLITHIFIED BIOCLASTIC PACKSTONE with a minor UNLITHIFIED WACKESTONE interval in Section 3.
As shown in the lithological column, two types of UNLITHIFIED BIOCLASTIC PACKSTONE occur. The first type is dominated by fine sand-sized bioclasts, with minor amounts of foraminifers, sponge spicules, echinoid spines, and debris of articulated zooidal bryozoans. The second type also contains granule-sized debris of robust branching and flat robust branching bryozoa. The contact between both sediment types is gradational.
The UNLITHIFIED WACKESTONES contains silt to fine sand-sized bioclasts, debris of delicate branching bryozoa, and frequent small planktonic foraminifers.

Core Photo

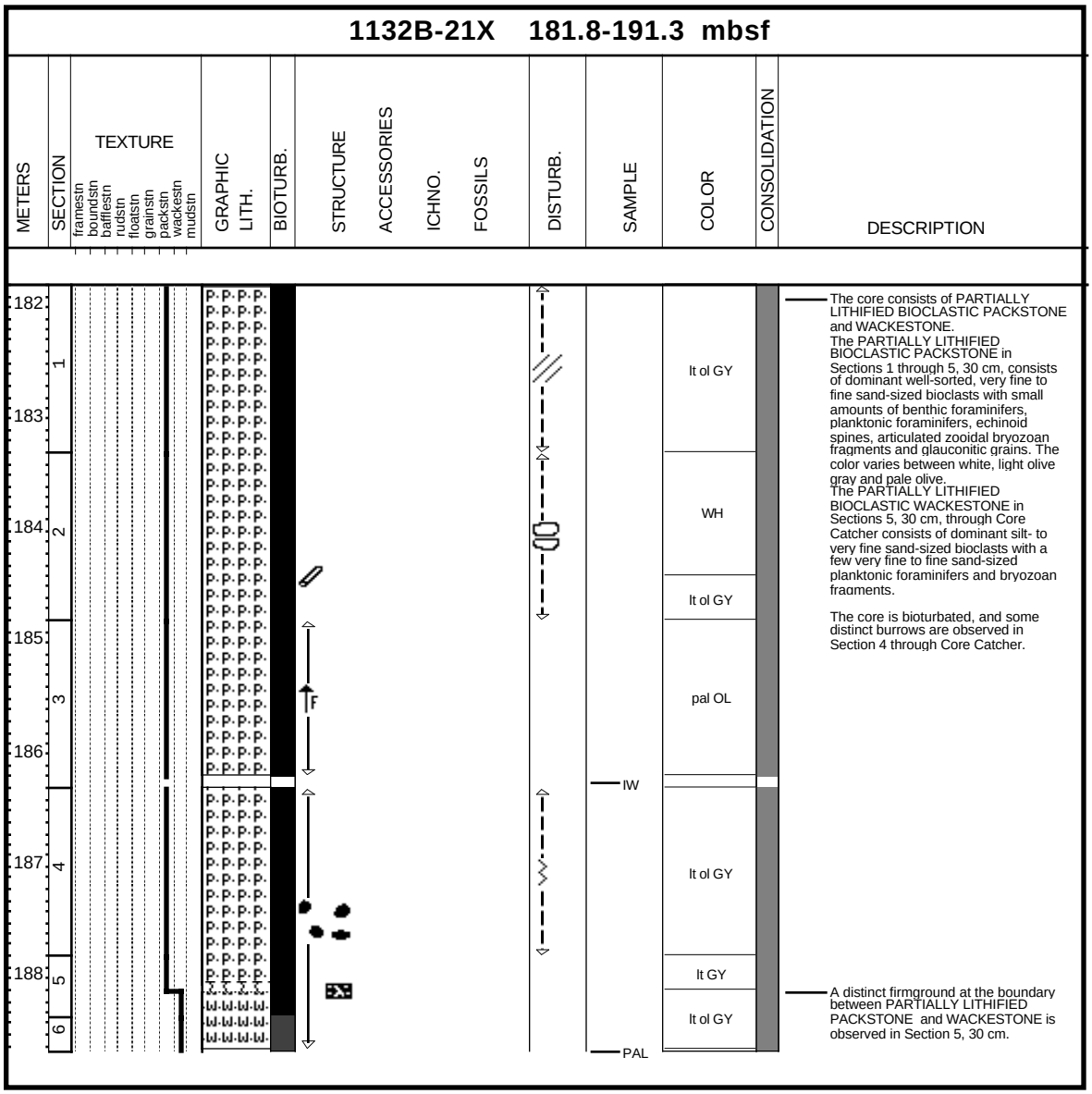

1132B-18H 158.8-168.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
159
160
161
162
163
164
165
166
167
168
1
2
3
4
5
6
7
CC
lt ol GY
lt GY
lt ol GY
WH
lt ol GY
pal OL
lt ol GY
PAL
The uppermost part of the core is very soupy.
The core is dominated by an light olive gray to light gray, very fine- to fine-grained, and relatively well-sorted homogeneous UNLITIHIFIED BIOCLASTIC PACKSTONE.
The coarse fraction is dominated by bioclasts, common small benthic foraminifers, planktonic foraminifers, present articulated zooidal bryozoans, sponge spicules, some glauconite, blackened grains, delicate branching bryozoans, and echinoid spines.
In Section 4, 0 to 11 cm, a white UNLITHIFIED BIOCLASTIC WACKESTONE occurs above the firmground.

Core Photo

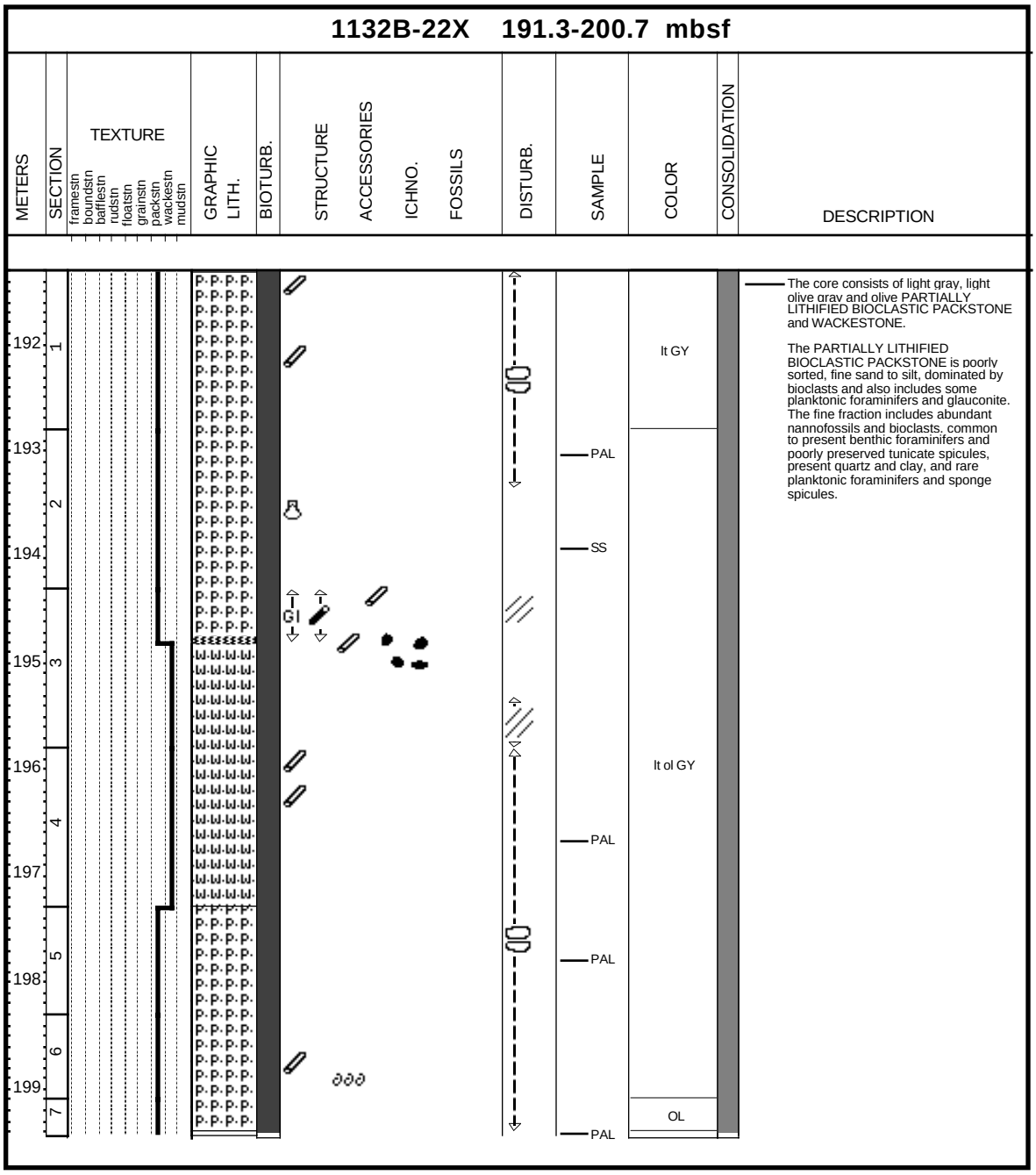


1132B-20X NO RECOVERY

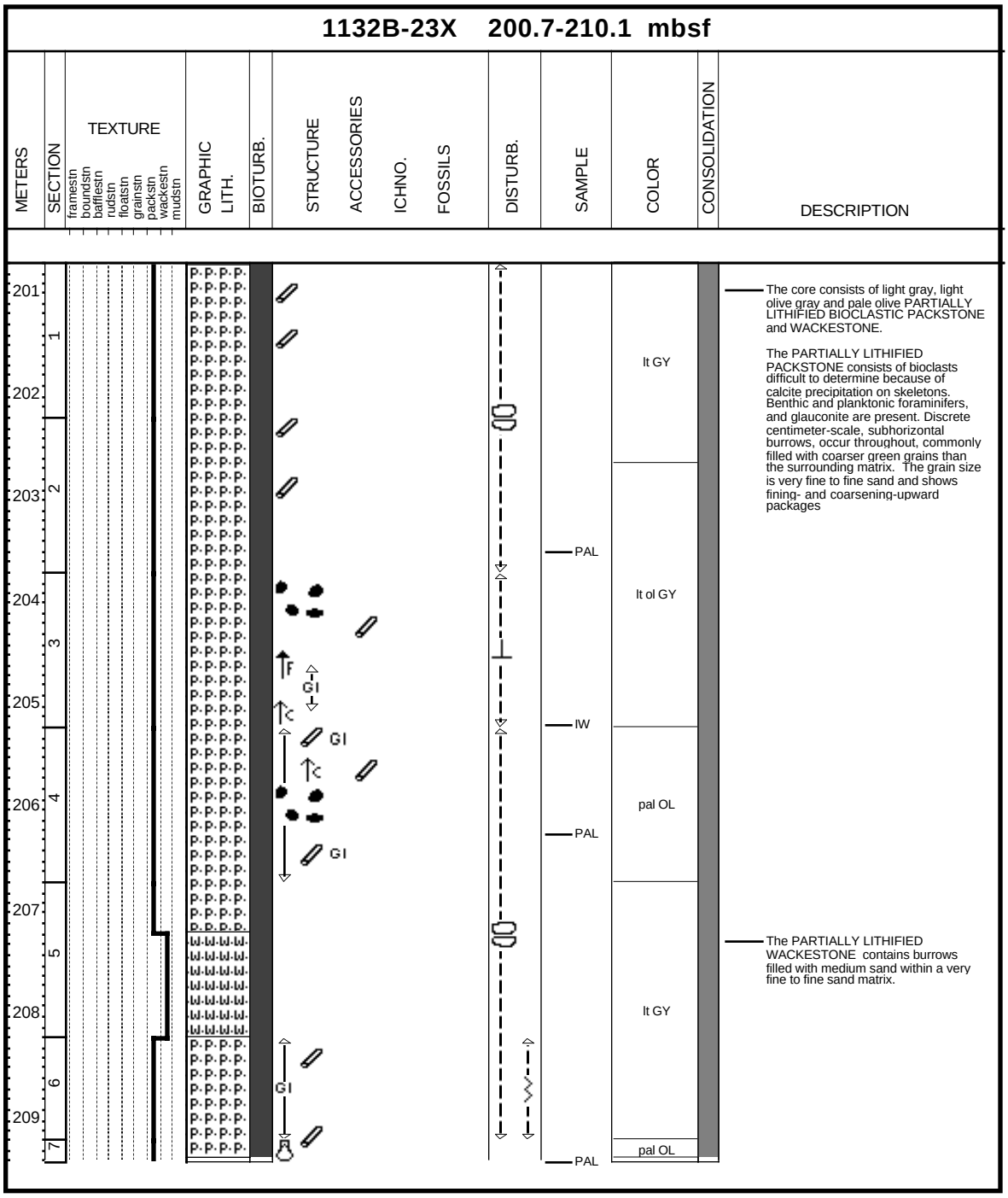
Core Photo


1132B-21X 181.8-191.3 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
182
183
184
185
186
187
188
1
2
3
4
5
6
F
IW
PAL
lt ol GY
WH
lt ol GY
pal OL
lt ol GY
lt GY
lt ol GY
The core consists of PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE and WACKESTONE.
The PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE in Sections 1 through 5, 30 cm, consists of dominant well-sorted, very fine to fine sand-sized bioclasts with small amounts of benthic foraminifers, planktonic foraminifers, echinoid spines, articulated zooidal bryozoan fragments and glauconitic grains. The color varies between white, light olive gray and pale olive.
The PARTIALLY LITHIFIED BIOCLASTIC WACKESTONE in Sections 5, 30 cm, through Core Catcher consists of dominant silt- to very fine sand-sized bioclasts with a few very fine to fine sand-sized planktonic foraminifers and bryozoan fragments.
The core is bioturbated, and some distinct burrows are observed in Section 4 through Core Catcher.
A distinct firmground at the boundary between PARTIALLY LITHIFIED PACKSTONE and WACKESTONE is observed in Section 5, 30 cm.

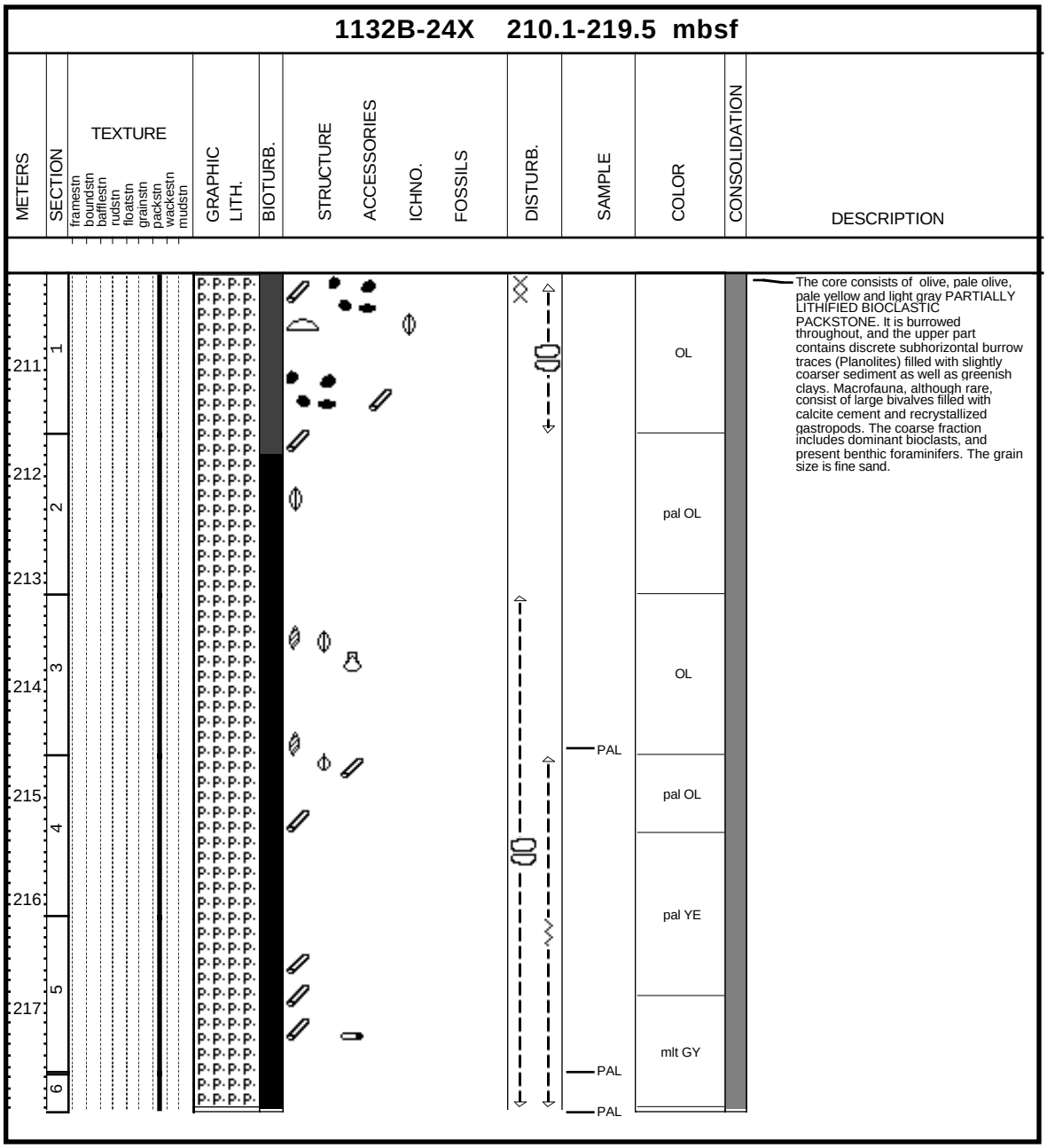
Core Photo


1132B-22X 191.3-200.7 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
192
193
194
195
196
197
198
199
1
2
3
4
5
6
7
GI
PAL
SS
PAL
PAL
PAL
lt GY
lt ol GY
OL
The core consists of light gray, light olive gray and olive PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE and WACKESTONE.
The PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE is poorly sorted, fine sand to silt, dominated by bioclasts and also includes some planktonic foraminifers and glauconite. The fine fraction includes abundant nannofossils and bioclasts, common to present benthic foraminifers and poorly preserved tunicate spicules, present quartz and clay, and rare planktonic foraminifers and sponge spicules.

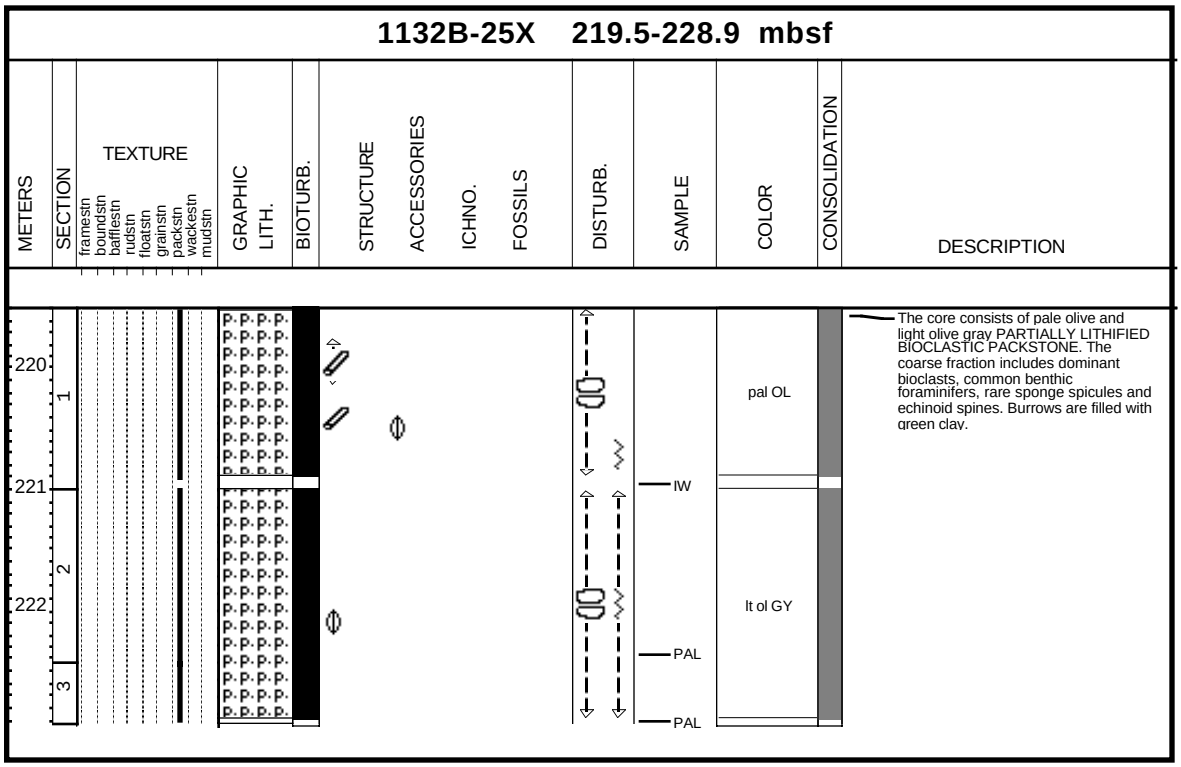
Core Photo


1132B-23X 200.7-210.1 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
201
202
203
204
205
206
207
208
209
1
2
3
4
5
6
7
F
Gl
PAL
IW
PAL
PAL
lt GY
lt ol GY
pal OL
lt GY
pal OL
The core consists of light gray, light olive gray and pale olive PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE and WACKESTONE.
The PARTIALLY LITHIFIED PACKSTONE consists of bioclasts difficult to determine because of calcite precipitation on skeletons. Benthic and planktonic foraminifers, and glauconite are present. Discrete centimeter-scale, subhorizontal burrows, occur throughout, commonly filled with coarser green grains than the surrounding matrix. The grain size is very fine to fine sand and shows fining- and coarsening-upward packages
The PARTIALLY LITHIFIED WACKESTONE contains burrows filled with medium sand within a very fine to fine sand matrix.

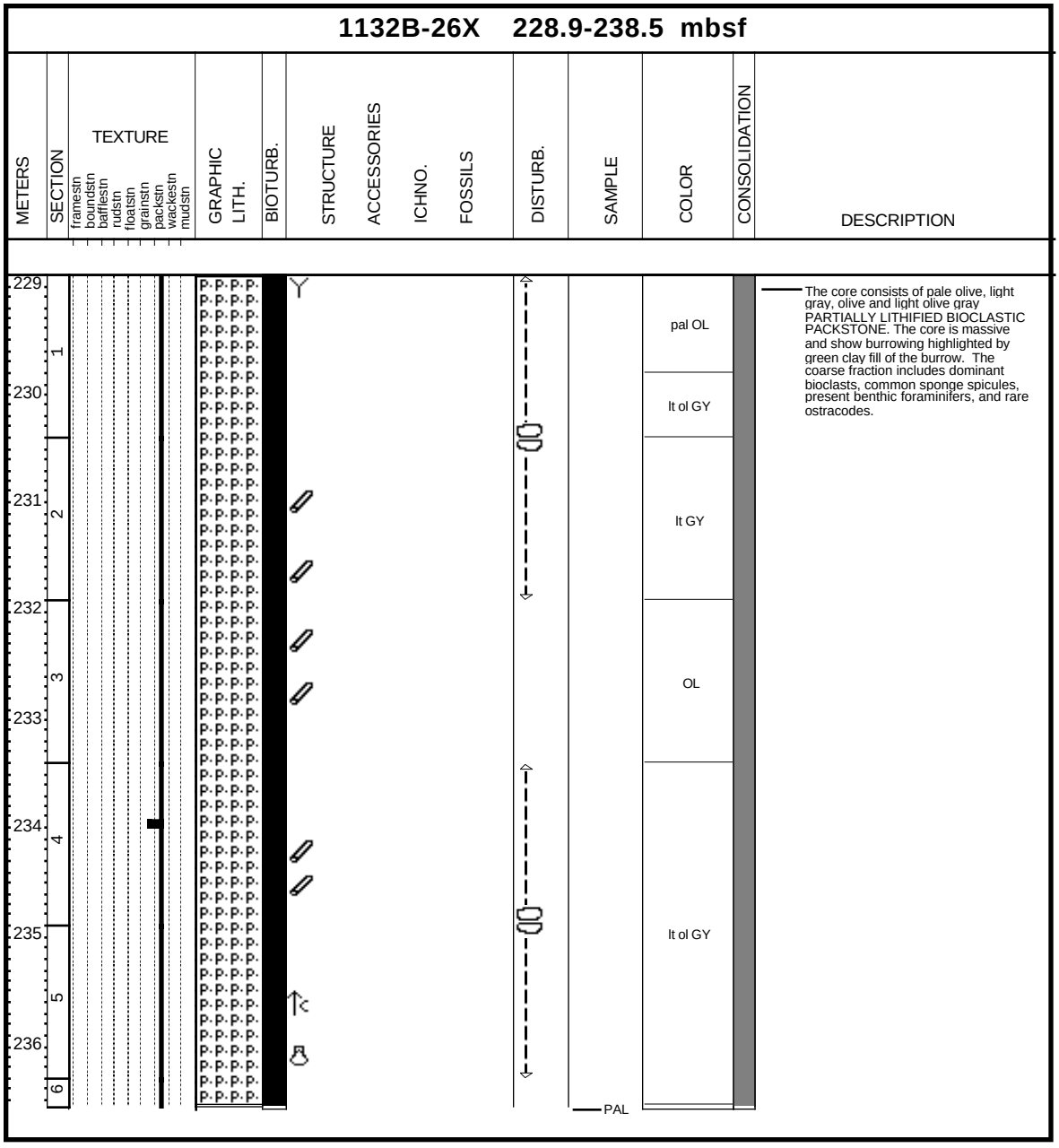
Core Photo


1132B-24X 210.1-219.5 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
211
212
213
214
215
216
217
1
2
3
4
5
6
PAL
PAL
PAL
OL
pal OL
OL
pal OL
pal YE
mlt GY
The core consists of olive, pale olive, pale yellow and light gray PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. It is burrowed throughout, and the upper part contains discrete subhorizontal burrow traces (Planolites) filled with slightly coarser sediment as well as greenish clays. Macrofauna, although rare, consist of large bivalves filled with calcite cement and recrystallized gastropods. The coarse fraction includes dominant bioclasts, and present benthic foraminifers. The grain size is fine sand.

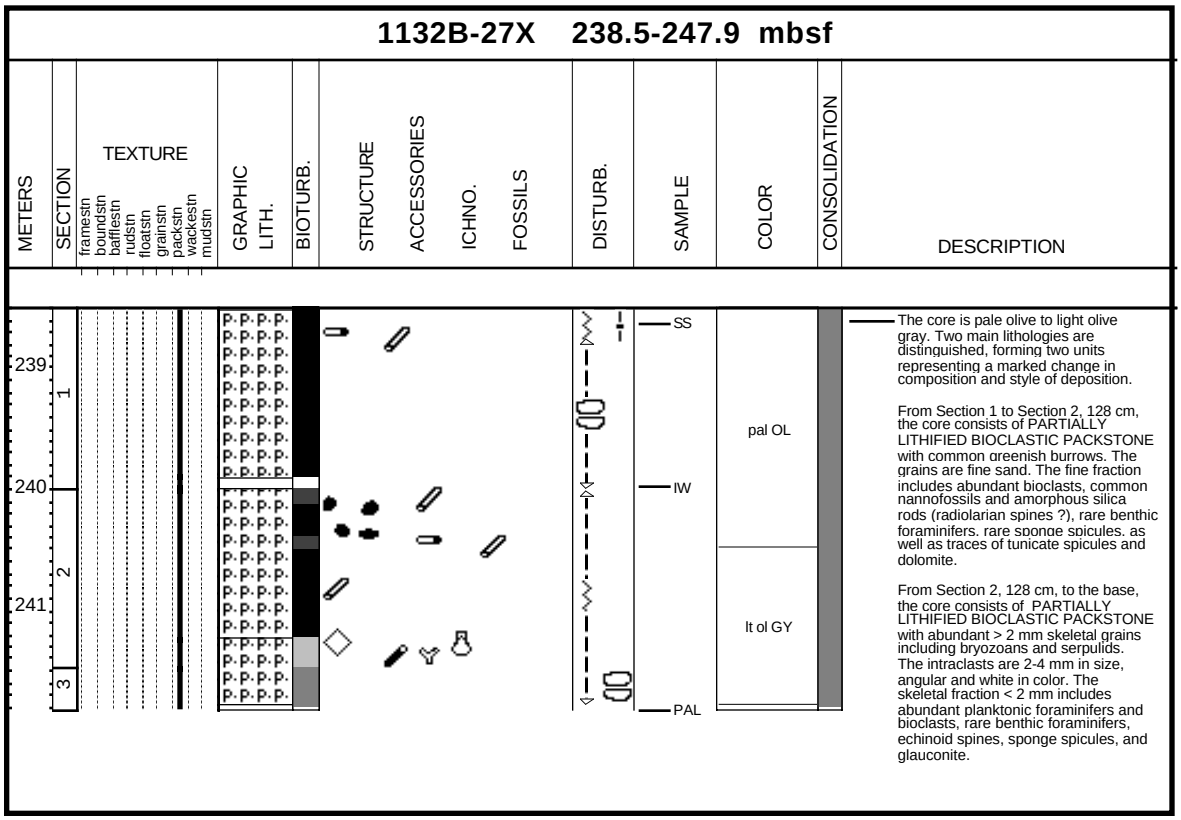
Core Photo


1132B-25X 219.5-228.9 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
220
221
222
1
2
3
IW
PAL
PAL
pal OL
lt ol GY
The core consists of pale olive and light olive gray PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. The coarse fraction includes dominant bioclasts, common benthic foraminifers, rare sponge spicules and echinoid spines. Burrows are filled with green clay.

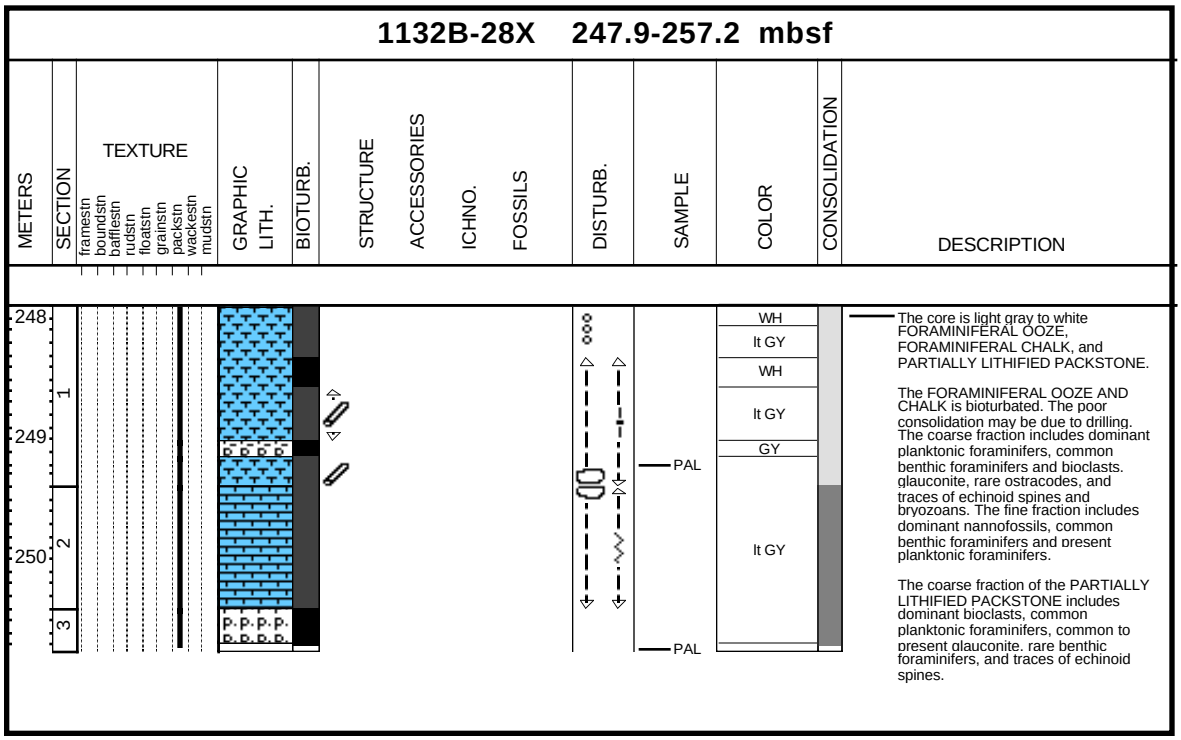
Core Photo


1132B-26X 228.9-238.5 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
229
230
231
232
233
234
235
236
1
2
3
4
5
6
pal OL
lt ol GY
lt GY
OL
lt ol GY
PAL
The core consists of pale olive, light gray, olive and light olive gray PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE. The core is massive and show burrowing highlighted by green clay fill of the burrow. The coarse fraction includes dominant bioclasts, common sponge spicules, present benthic foraminifers, and rare ostracodes.

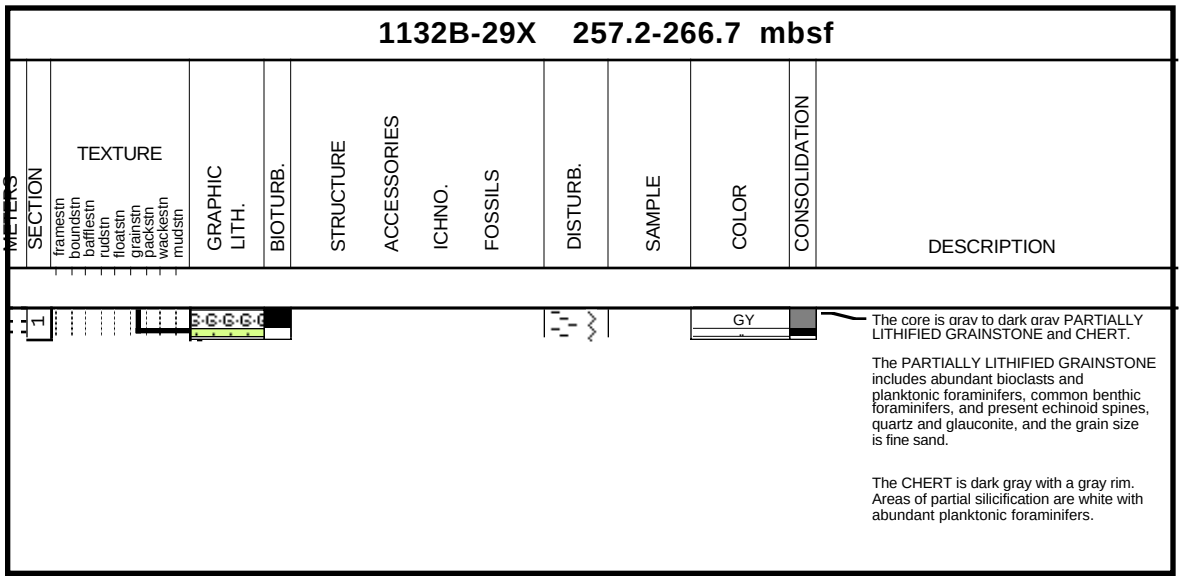
Core Photo


1132B-27X 238.5-247.9 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
239
240
241
1
2
3
SS
IW
PAL
pal OL
lt ol GY
The core is pale olive to light olive gray. Two main lithologies are distinguished, forming two units representing a marked change in composition and style of deposition.
From Section 1 to Section 2, 128 cm, the core consists of PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE with common greenish burrows. The grains are fine sand. The fine fraction includes abundant bioclasts, common nannofossils and amorphous silica rods (radiolarian spines ?), rare benthic foraminifers, rare sponge spicules, as well as traces of tunicate spicules and dolomite.
From Section 2, 128 cm, to the base, the core consists of PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE with abundant > 2 mm skeletal grains including bryozoans and serpulids. The intraclasts are 2-4 mm in size, angular and white in color. The skeletal fraction < 2 mm includes abundant planktonic foraminifers and bioclasts, rare benthic foraminifers, echinoid spines, sponge spicules, and glauconite.

Core Photo


1132B-28X 247.9-257.2 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
248
249
250
1
2
3
PAL
PAL
WH
lt GY
WH
lt GY
GY
lt GY
The core is light gray to white FORAMINIFERAL OOZE, FORAMINIFERAL CHALK, and PARTIALLY LITHIFIED PACKSTONE.
The FORAMINIFERAL OOZE AND CHALK is bioturbated. The poor consolidation may be due to drilling. The coarse fraction includes dominant planktonic foraminifers, common benthic foraminifers and bioclasts. glauconite, rare ostracodes, and traces of echinoid spines and bryozoans. The fine fraction includes dominant nannofossils, common benthic foraminifers and present planktonic foraminifers.
The coarse fraction of the PARTIALLY LITHIFIED PACKSTONE includes dominant bioclasts, common planktonic foraminifers, common to present glauconite. rare benthic foraminifers, and traces of echinoid spines.

Core Photo

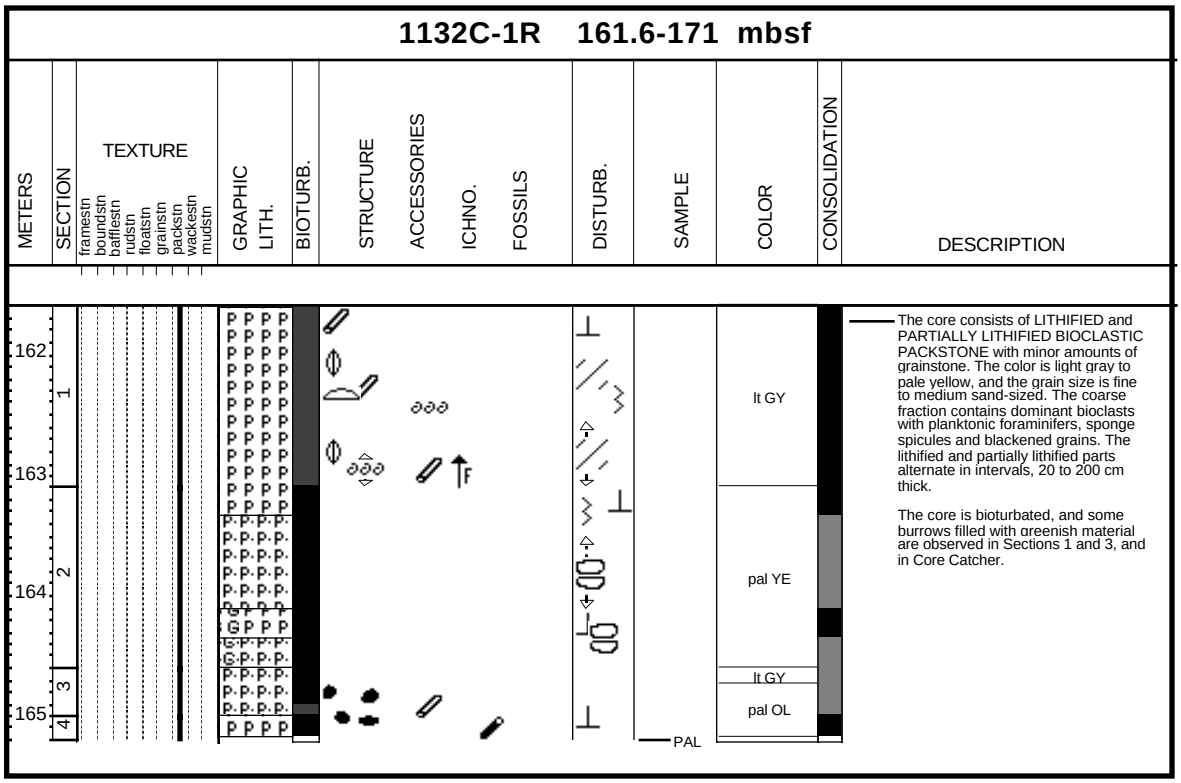


1132B-30X TO PALEO

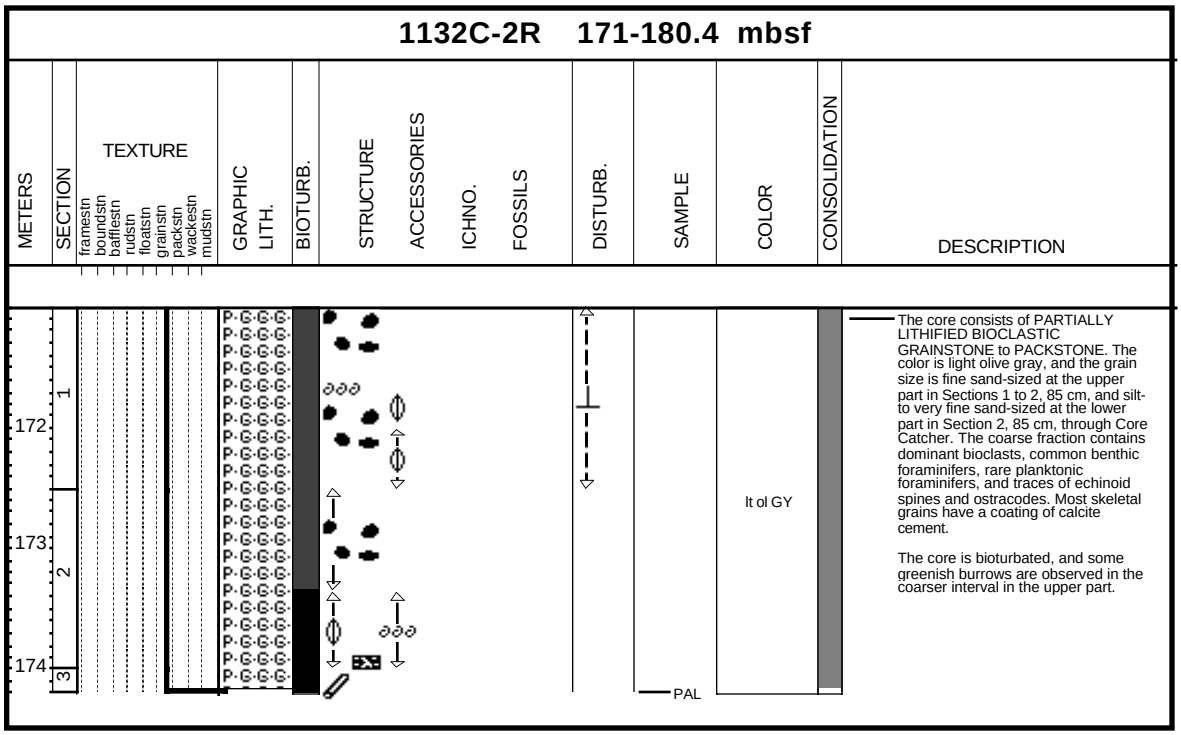
1132B-31X TO PALEO

1132B-32X TO PALEO

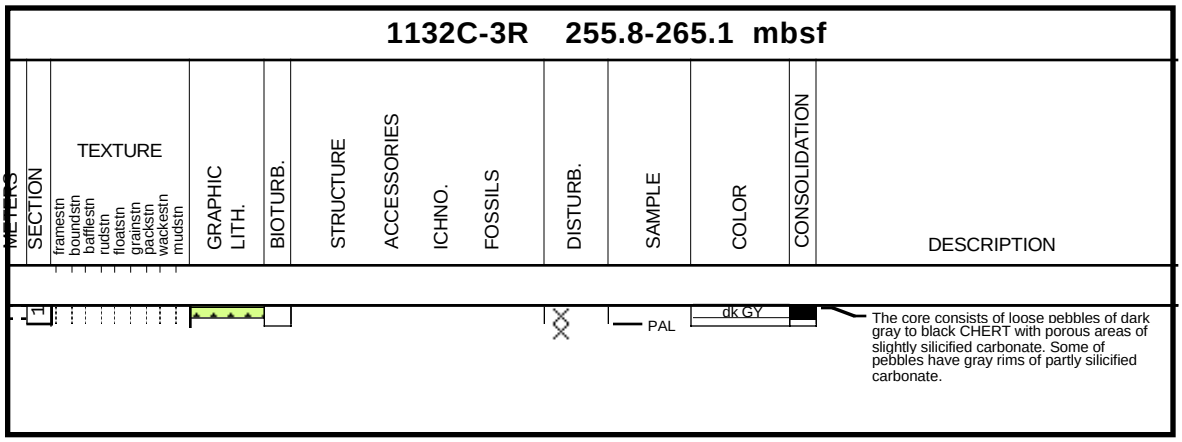
Core Photo


1132C-1R 161.6-171 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
162
163
164
165
1
2
3
4
F
PAL
lt GY
pal YE
lt GY
pal OL
The core consists of LITHIFIED and PARTIALLY LITHIFIED BIOCLASTIC PACKSTONE with minor amounts of grainstone. The color is light gray to pale yellow, and the grain size is fine to medium sand-sized. The coarse fraction contains dominant bioclasts with planktonic foraminifers, sponge spicules and blackened grains. The lithified and partially lithified parts alternate in intervals, 20 to 200 cm thick.
The core is bioturbated, and some burrows filled with greenish material are observed in Sections 1 and 3, and in Core Catcher.

Core Photo


1132C-2R 171-180.4 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
172
173
174
1
2
3
lt ol GY
PAL
The core consists of PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE to PACKSTONE. The color is light olive gray, and the grain size is fine sand-sized at the upper part in Sections 1 to 2, 85 cm, and silt- to very fine sand-sized at the lower part in Section 2, 85 cm, through Core Catcher. The coarse fraction contains dominant bioclasts, common benthic foraminifers, rare planktonic foraminifers, and traces of echinoid spines and ostracodes. Most skeletal grains have a coating of calcite cement.
The core is bioturbated, and some greenish burrows are observed in the coarser interval in the upper part.

Core Photo


1132C-3R 255.8-265.1 mbsf
METERS
SECTION
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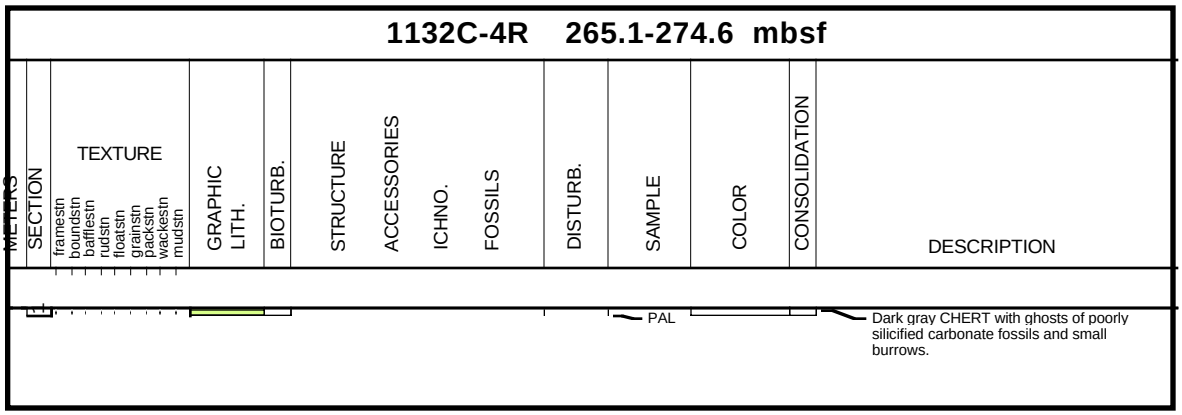
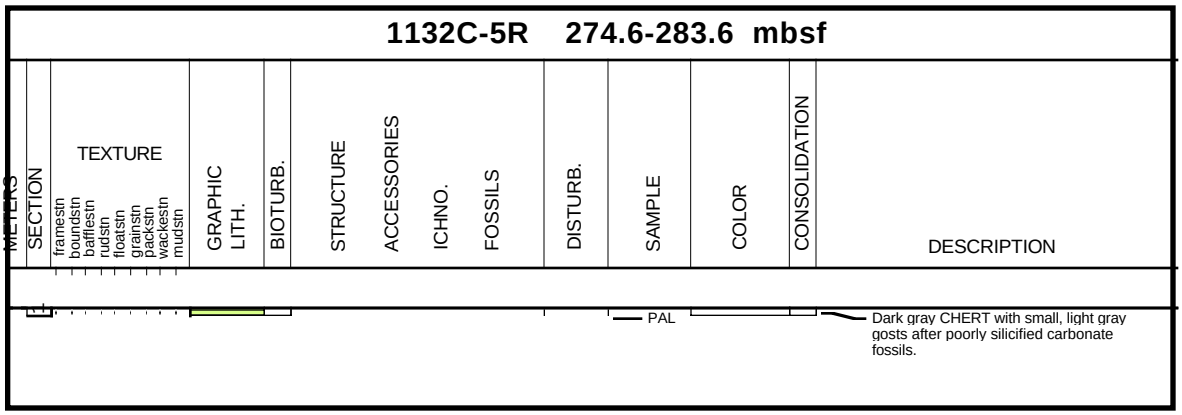
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
dk GY
The core consists of loose pebbles of dark gray to black CHERT with porous areas of slightly silicified carbonate. Some of pebbles have gray rims of partly silicified carbonate.

Core Photo

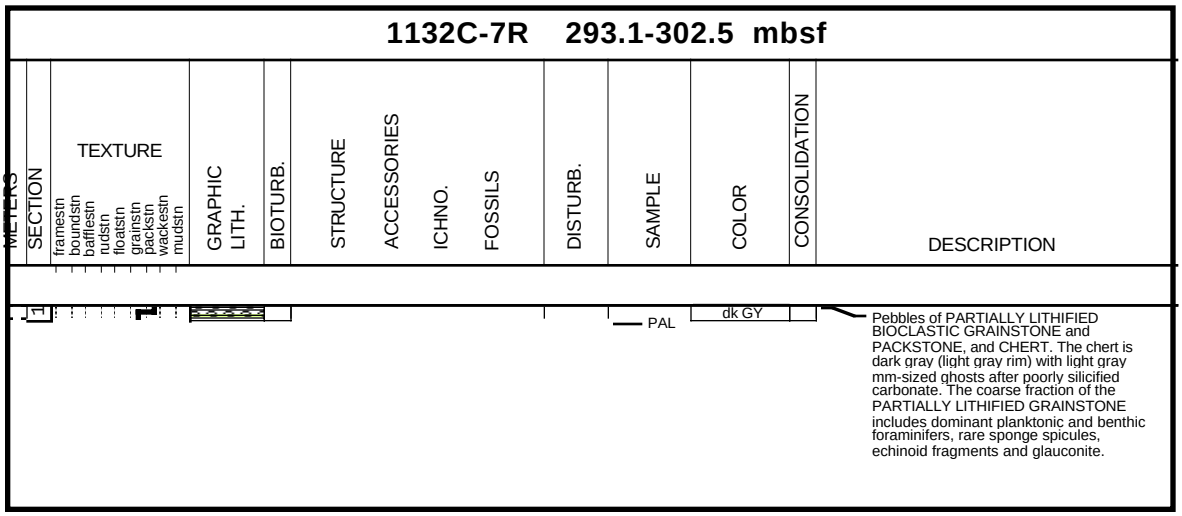

1132C-4R 265.1-274.6 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
PAL
Dark gray CHERT with ghosts of poorly silicified carbonate fossils and small burrows.

Core Photo

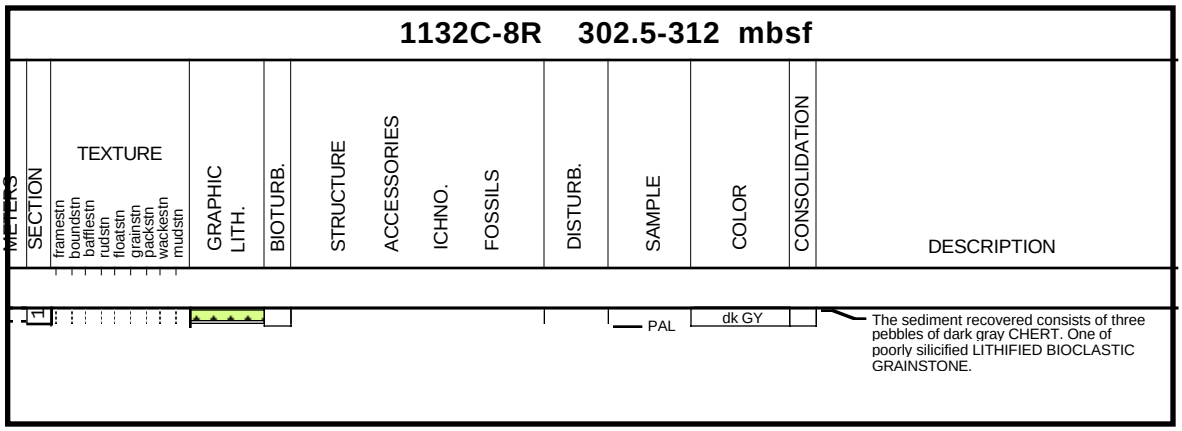


1132C-6R TO PALEO

Core Photo

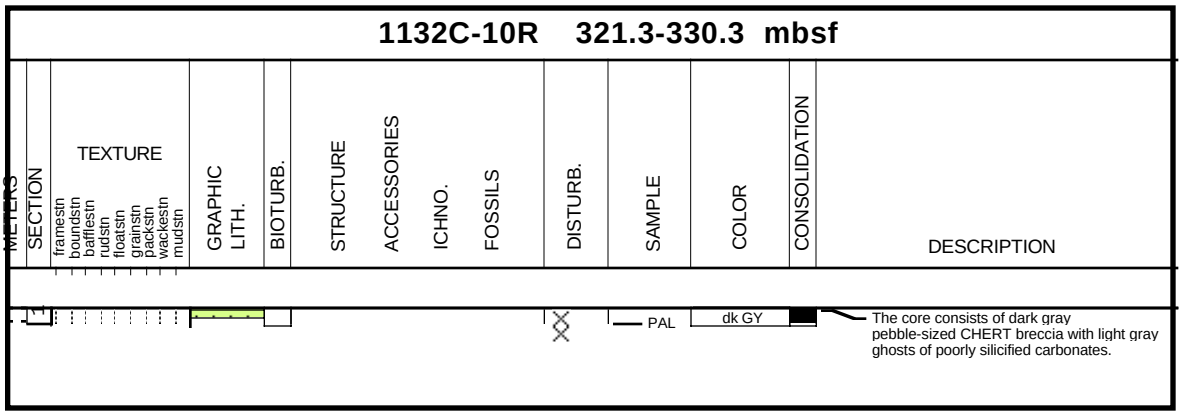

1132C-7R 293.1-302.5 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
dk GY
Pebbles of PARTIALLY LITHIFIED BIOCLASTIC GRAINSTONE and PACKSTONE, and CHERT. The chert is dark gray (light gray rim) with light gray mm-sized ghosts after poorly silicified carbonate. The coarse fraction of the PARTIALLY LITHIFIED GRAINSTONE includes dominant planktonic and benthic foraminifers, rare sponge spicules, echinoid fragments and glauconite.

Core Photo

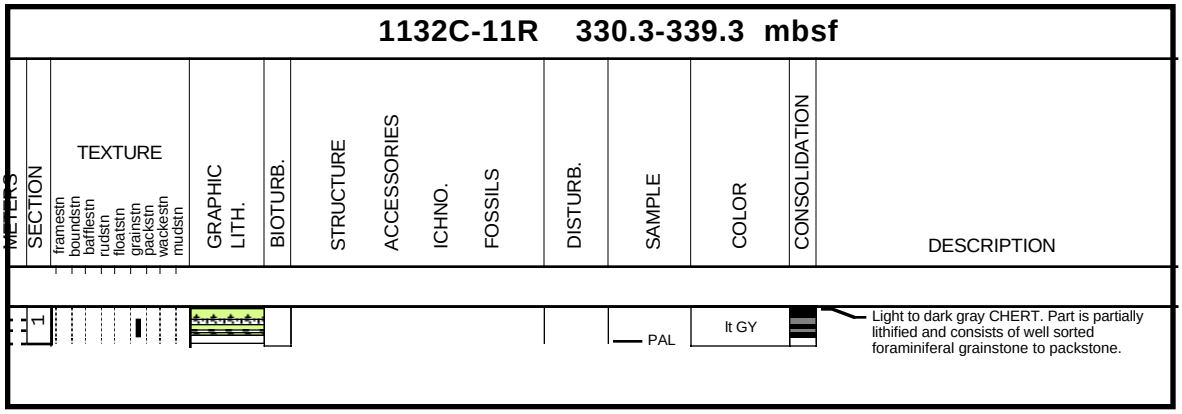


1132C-9R TO PALEO

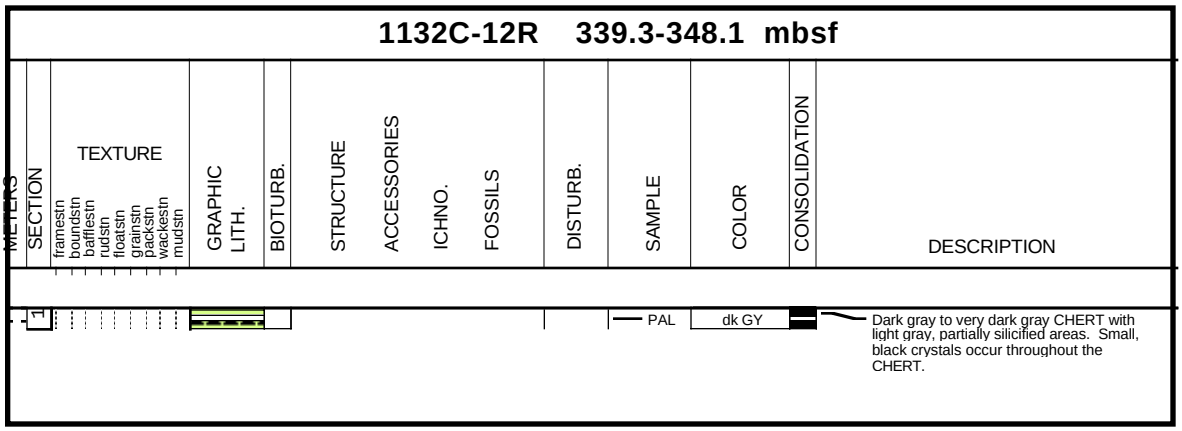
Core Photo


1132C-10R 321.3-330.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
PAL
dk GY
The core consists of dark gray pebble-sized CHERT breccia with light gray ghosts of poorly silicified carbonates.

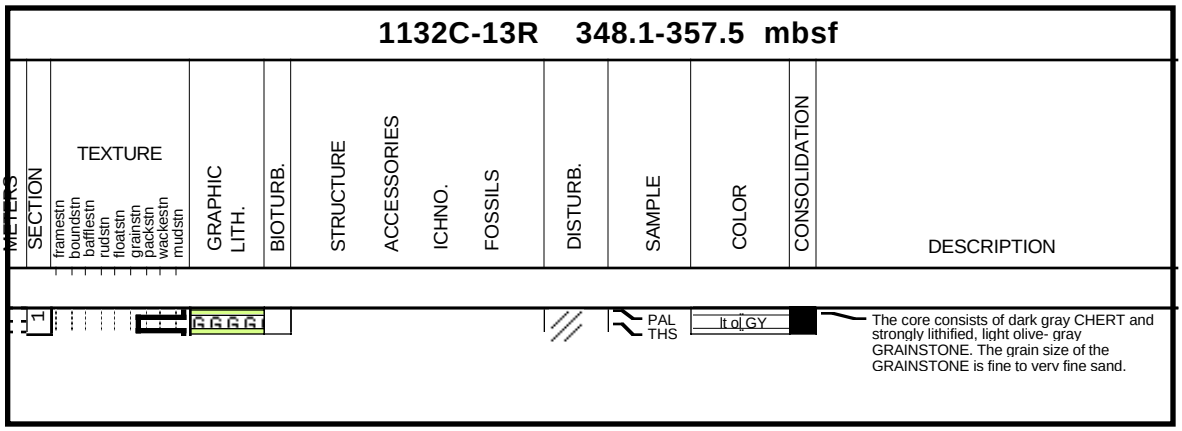
Core Photo


1132C-11R 330.3-339.3 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
1
PAL
lt GY
Light to dark gray CHERT. Part is partially lithified and consists of well sorted foraminiferal grainstone to packstone.

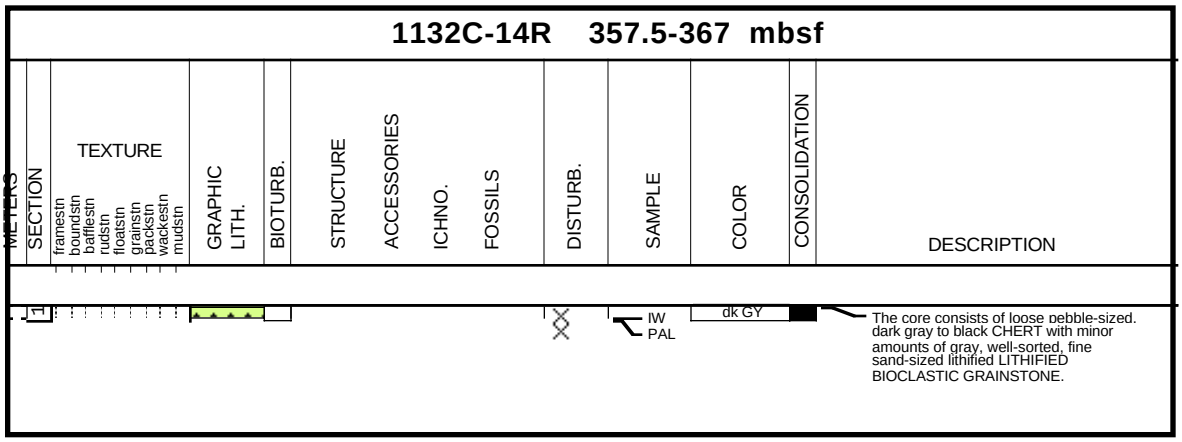
Core Photo


1132C-12R 339.3-348.1 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
1
PAL
dk GY
Dark gray to very dark gray CHERT with light gray, partially silicified areas. Small, black crystals occur throughout the CHERT.

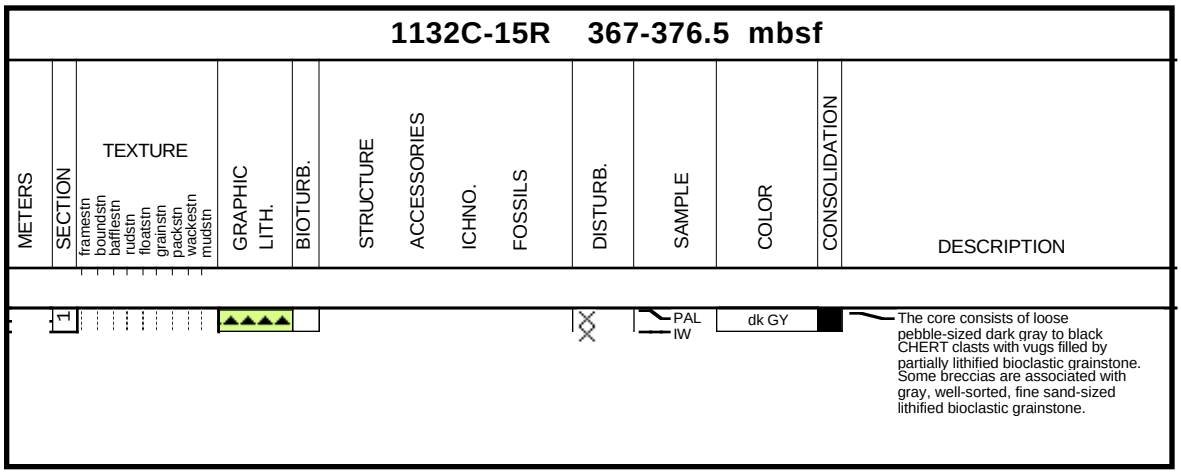
Core Photo


1132C-13R 348.1-357.5 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
1
PAL
THS
lt o GY
The core consists of dark gray CHERT and strongly lithified, light olive- gray GRAINSTONE. The grain size of the GRAINSTONE is fine to very fine sand.

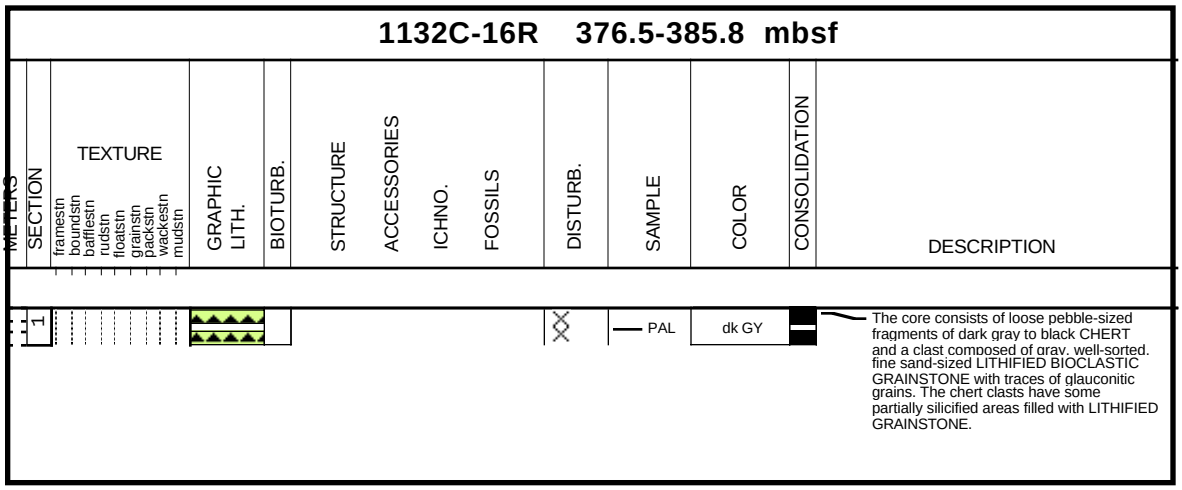
Core Photo


1132C-14R 357.5-367 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
1
IW
PAL
dk GY
The core consists of loose pebble-sized. dark gray to black CHERT with minor amounts of gray, well-sorted, fine sand-sized lithified LITHIFIED BIOCLASTIC GRAINSTONE.

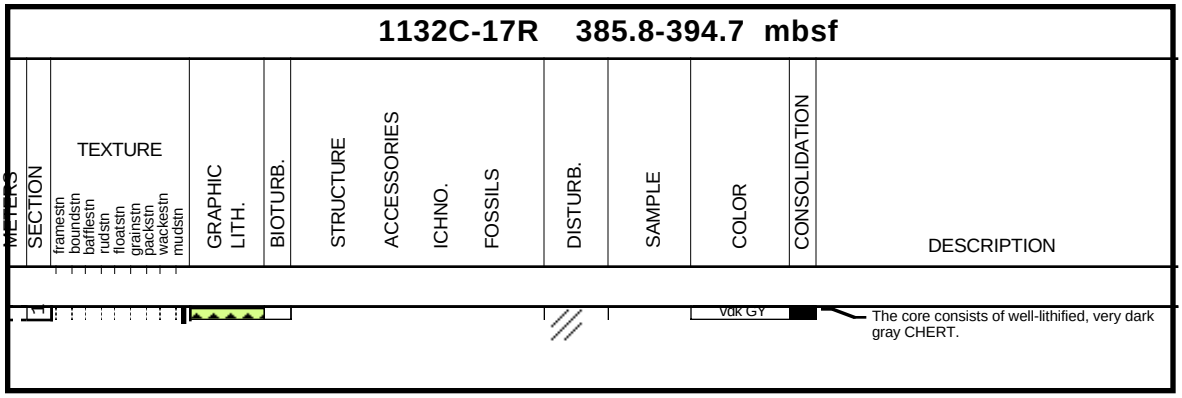
Core Photo


1132C-15R 367-376.5 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
1
PAL
IW
dk GY
The core consists of loose pebble-sized dark gray to black CHERT clasts with vugs filled by partially lithified bioclastic grainstone. Some breccias are associated with gray, well-sorted, fine sand-sized lithified bioclastic grainstone.

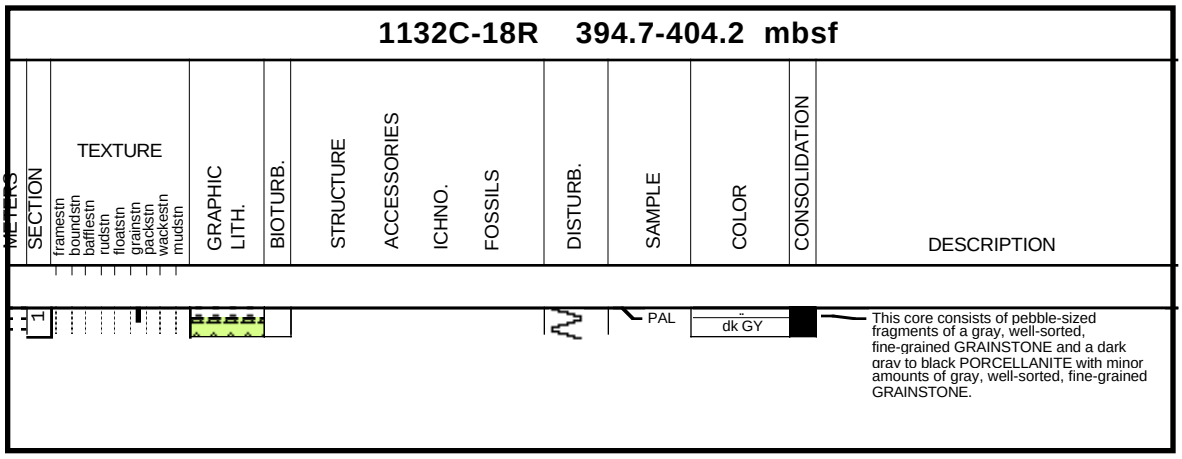
Core Photo


1132C-16R 376.5-385.8 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
1
PAL
dk GY
The core consists of loose pebble-sized fragments of dark gray to black CHERT and a clast composed of gray, well-sorted, fine sand-sized LITHIFIED BIOCLASTIC GRAINSTONE with traces of glauconitic grains. The chert clasts have some partially silicified areas filled with LITHIFIED GRAINSTONE.

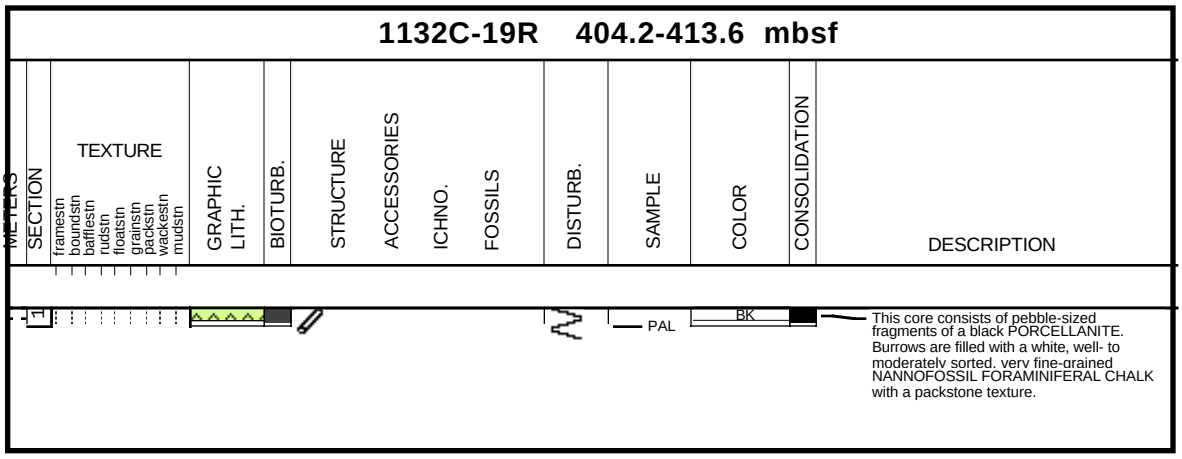
Core Photo


1132C-17R 385.8-394.7 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
1
VdK GY
The core consists of well-lithified, very dark gray CHERT.

Core Photo


1132C-18R 394.7-404.2 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
1
PAL
dk GY
This core consists of pebble-sized fragments of a gray, well-sorted, fine-grained GRAINSTONE and a dark gray to black PORCELLANITE with minor amounts of gray, well-sorted, fine-grained GRAINSTONE.

Core Photo


1132C-19R 404.2-413.6 mbsf
METERS
SECTION
TEXTURE
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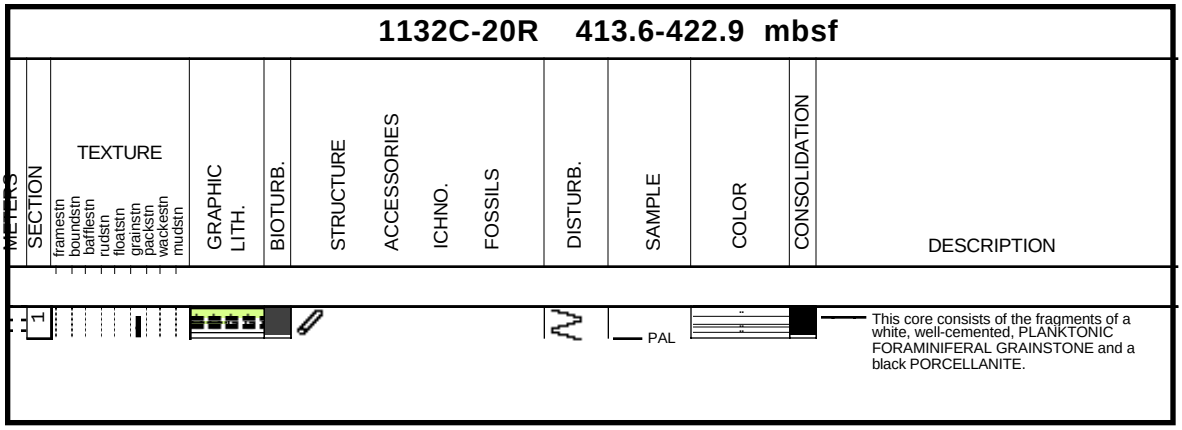
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
BK
This core consists of pebble-sized fragments of a black PORCELLANITE. Burrows are filled with a white, well- to moderately sorted, very fine-grained NANNOFOSSIL FORAMINIFERAL CHALK with a packstone texture.

Core Photo


1132C-20R 413.6-422.9 mbsf
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SECTION
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boundstn
baffllestn
rudstn
floatstn
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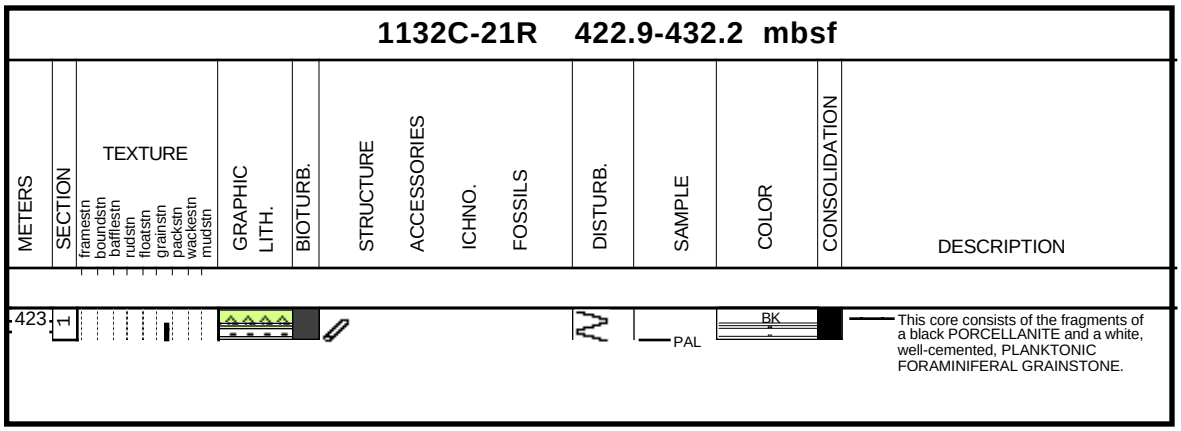
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
This core consists of the fragments of a white, well-cemented, PLANKTONIC FORAMINIFERAL GRAINSTONE and a black PORCELLANITE.

Core Photo


1132C-21R 422.9-432.2 mbsf
METERS
SECTION
TEXTURE
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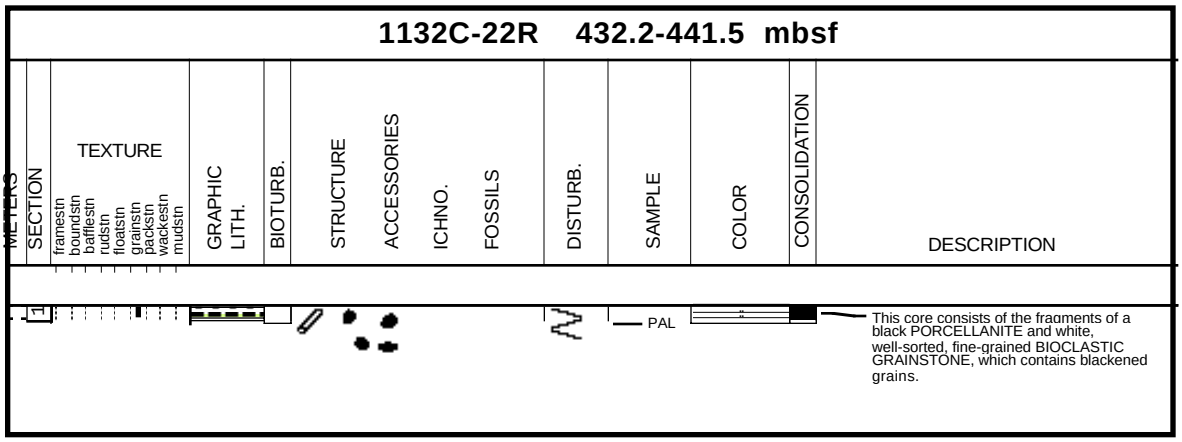
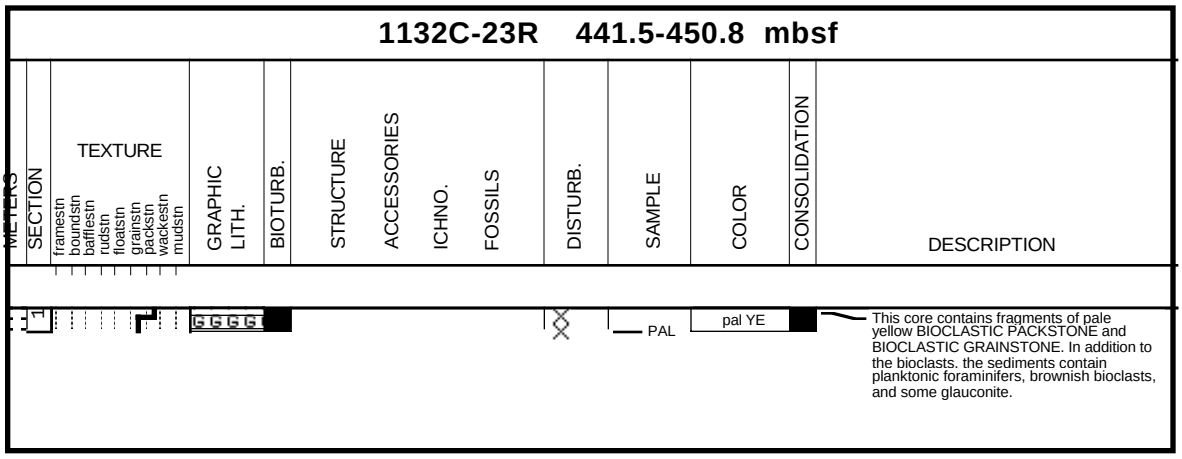
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
423
1
PAL
BK
This core consists of the fragments of a black PORCELLANITE and a white, well-cemented, PLANKTONIC FORAMINIFERAL GRAINSTONE.

Core Photo


1132C-22R 432.2-441.5 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
1
PAL
This core consists of the fragments of a black PORCELLANITE and white, well-sorted, fine-grained BIOCLASTIC GRAINSTONE, which contains blackened grains.

Core Photo


1132C-23R 441.5-450.8 mbsf
METERS
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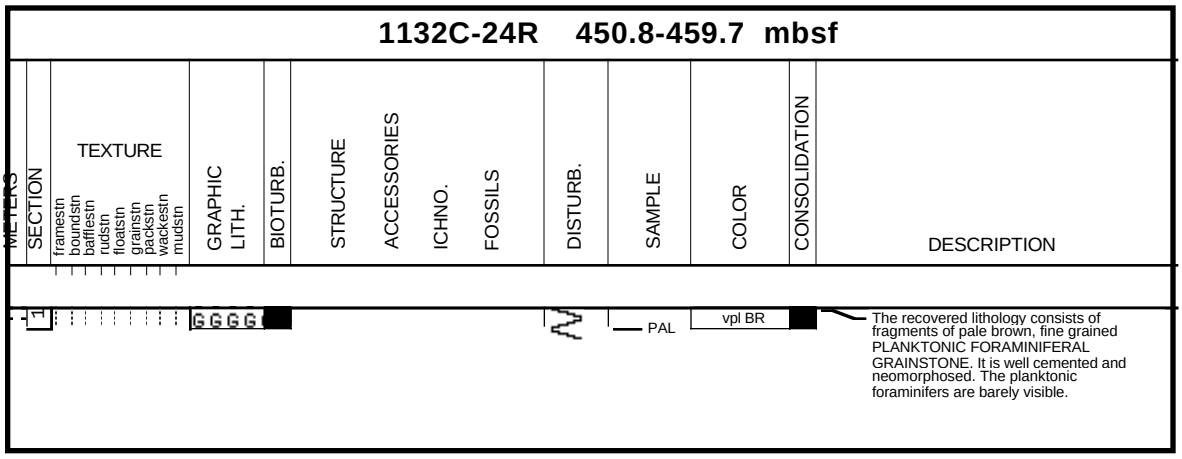
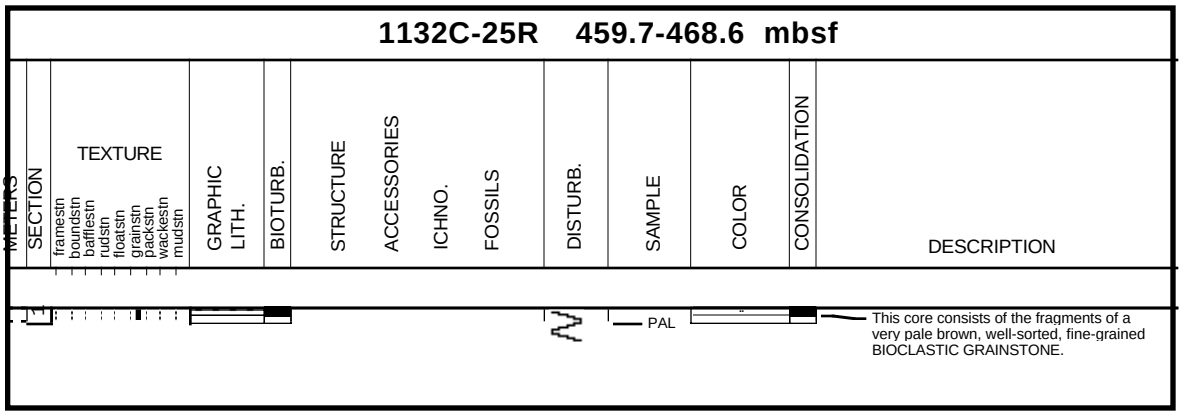
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
pal YE
This core contains fragments of pale yellow BIOCLASTIC PACKSTONE and BIOCLASTIC GRAINSTONE. In addition to the bioclasts. the sediments contain planktonic foraminifers, brownish bioclasts, and some glauconite.

Core Photo


1132C-24R 450.8-459.7 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
1
PAL
vpl BR
The recovered lithology consists of fragments of pale brown, fine grained PLANKTONIC FORAMINIFERAL GRAINSTONE. It is well cemented and neomorphosed. The planktonic foraminifers are barely visible.

Core Photo


1132C-25R 459.7-468.6 mbsf
METERS
SECTION
TEXTURE
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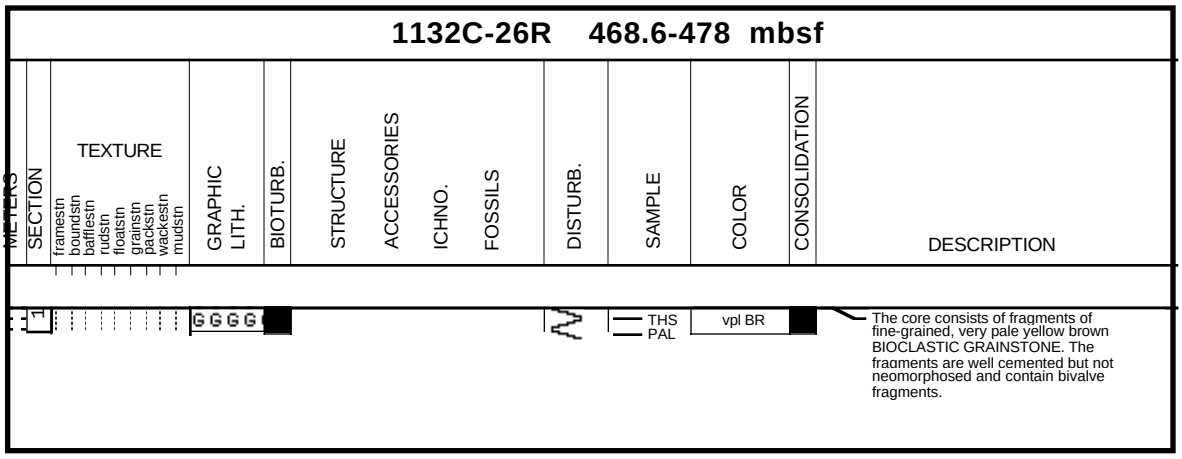
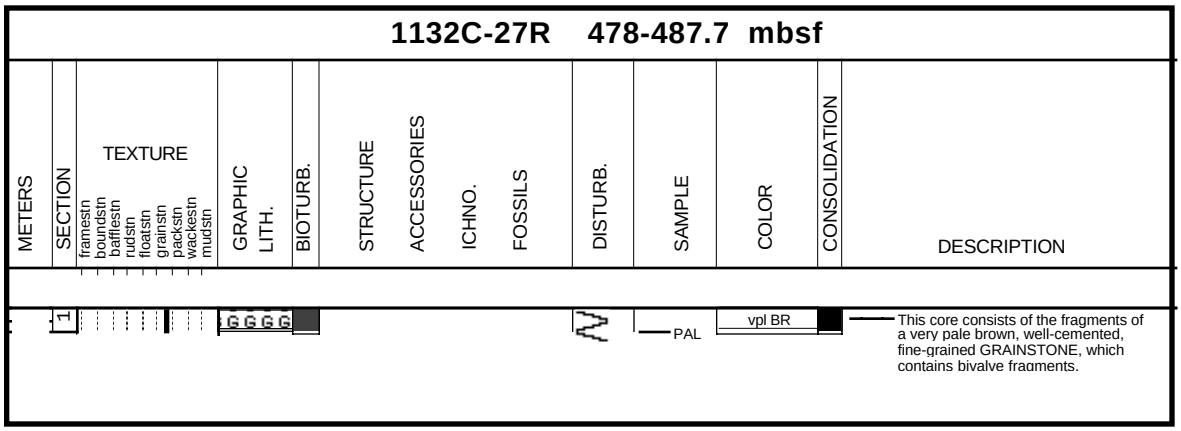
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
PAL
This core consists of the fragments of a very pale brown, well-sorted, fine-grained BIOCLASTIC GRAINSTONE.

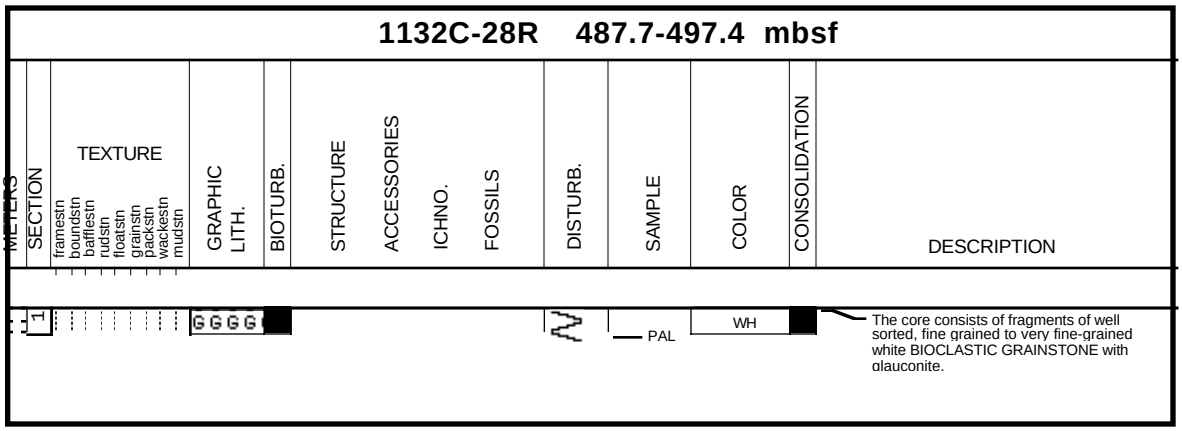
Core Photo


1132C-26R 468.6-478 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
GGGG
THS
PAL
vpl BR
The core consists of fragments of fine-grained, very pale yellow brown BIOCLASTIC GRAINSTONE. The fragments are well cemented but not neomorphosed and contain bivalve fragments.

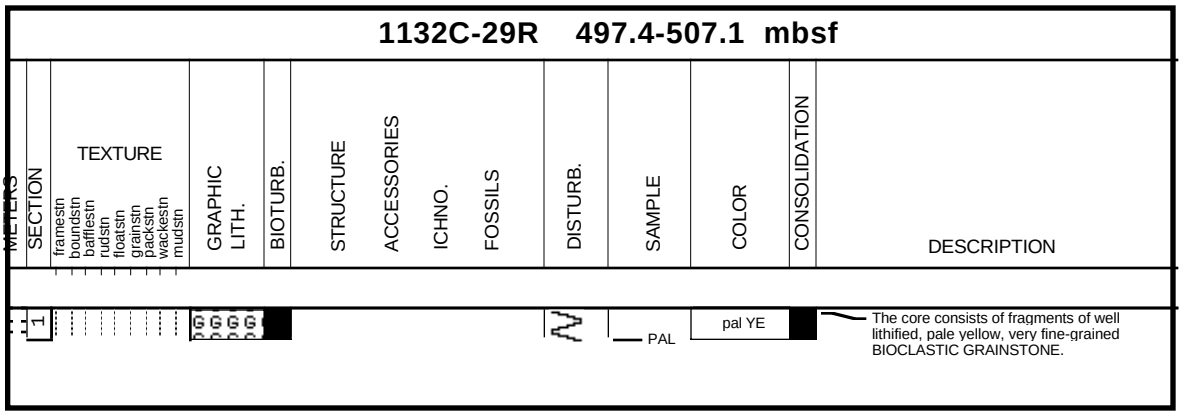
Core Photo


1132C-27R 478-487.7 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
1
PAL
vpl BR
This core consists of the fragments of a very pale brown, well-cemented, fine-grained GRAINSTONE, which contains bivalve fragments.

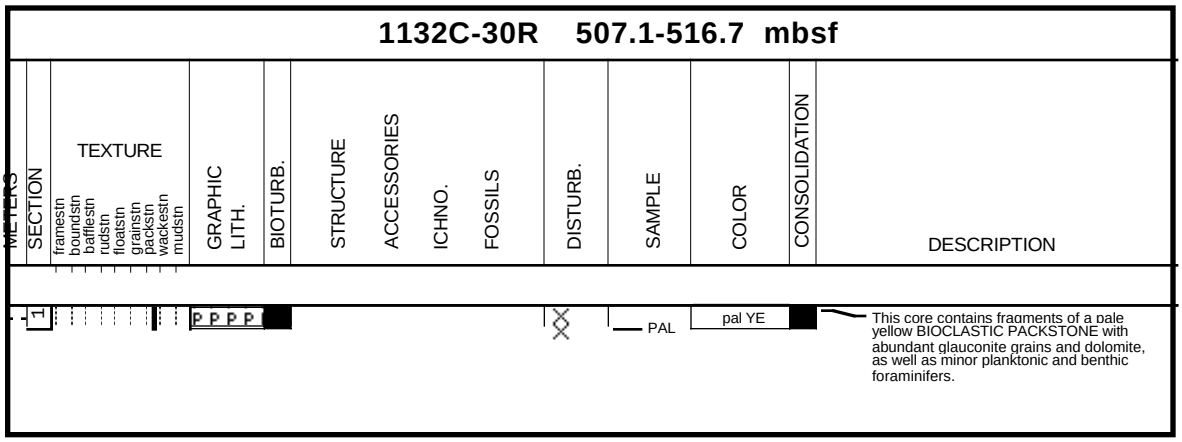
Core Photo


1132C-28R 487.7-497.4 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
1
PAL
WH
The core consists of fragments of well sorted, fine grained to very fine-grained white BIOCLASTIC GRAINSTONE with glauconite.

Core Photo


1132C-29R 497.4-507.1 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
pal YE
The core consists of fragments of well lithified, pale yellow, very fine-grained BIOCLASTIC GRAINSTONE.

Core Photo


1132C-30R 507.1-516.7 mbsf
METERS
SECTION
TEXTURE
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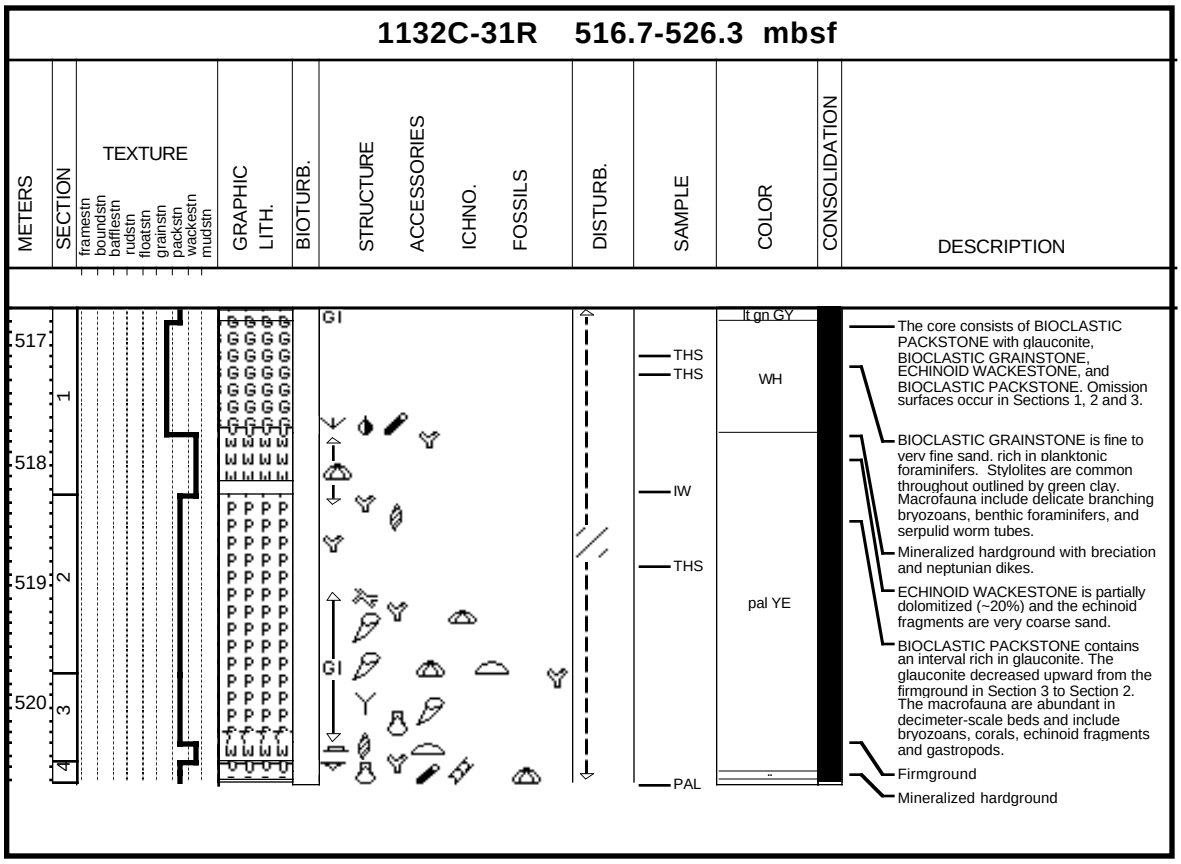
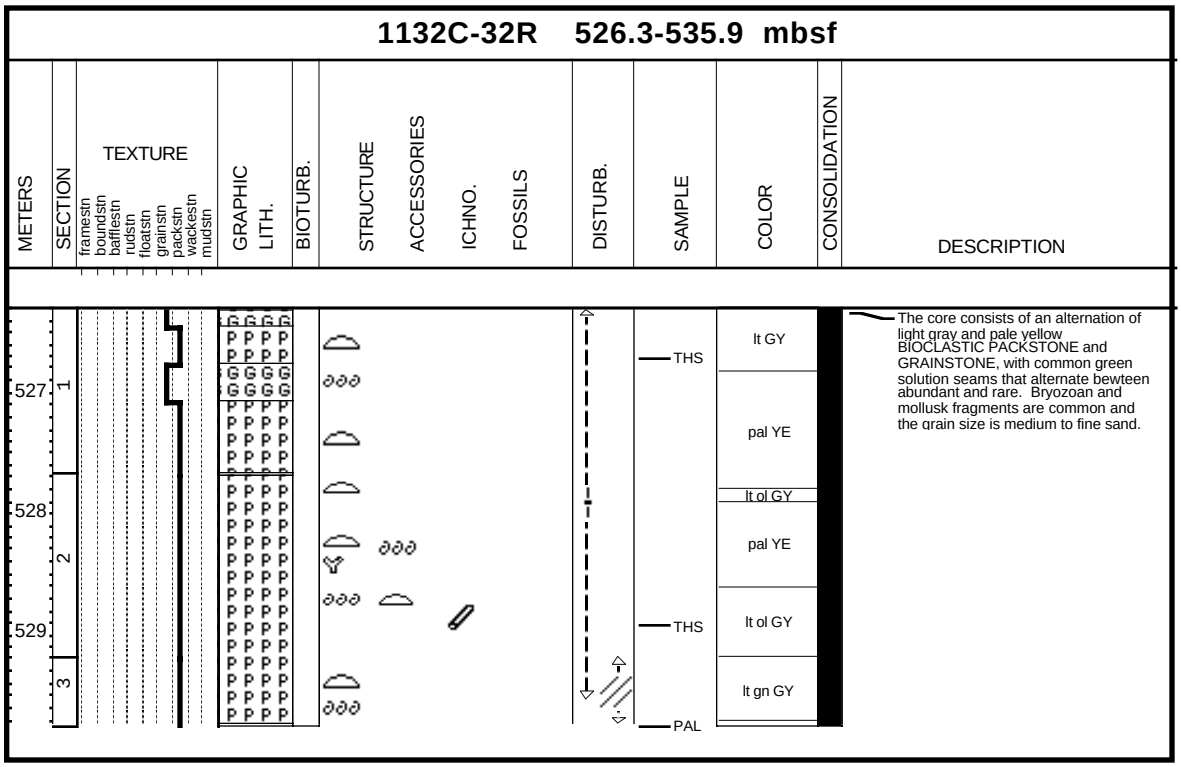
boundstn
baffestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
1
PAL
pal YE
This core contains fragments of a pale yellow BIOCLASTIC PACKSTONE with abundant glauconite grains and dolomite, as well as minor planktonic and benthic foraminifers.

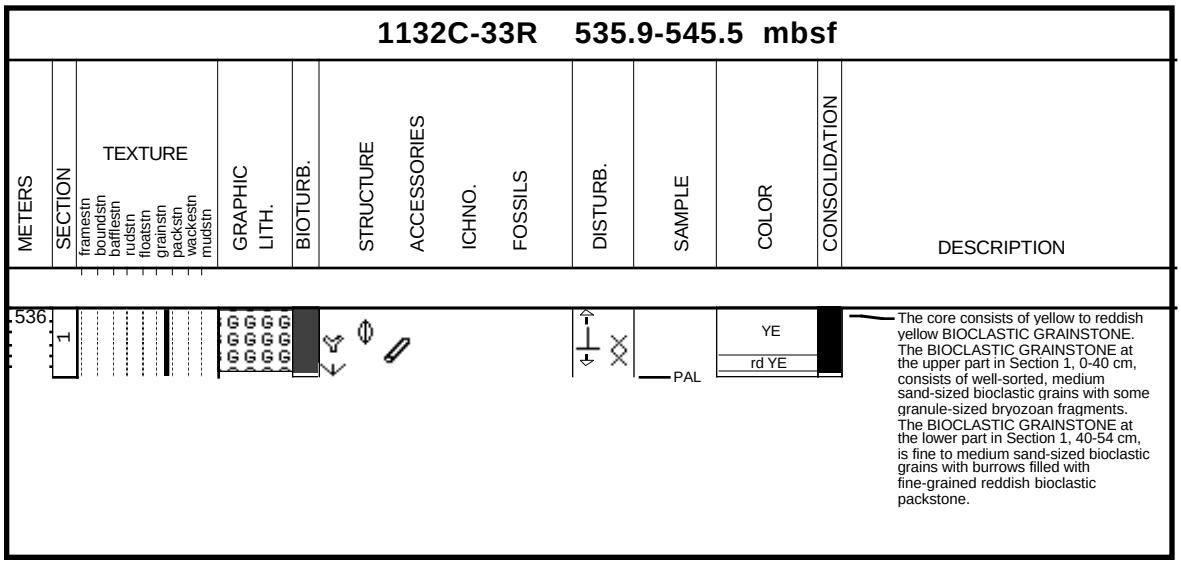
Core Photo


1132C-31R 516.7-526.3 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
517
518
519
520
1
2
3
4
GI
GI
THS
THS
IW
THS
PAL
lt gn GY
WH
pal YE
The core consists of BIOCLASTIC PACKSTONE with glauconite, BIOCLASTIC GRAINSTONE, ECHINOID WACKESTONE, and BIOCLASTIC PACKSTONE. Omission surfaces occur in Sections 1, 2 and 3.
BIOCLASTIC GRAINSTONE is fine to very fine sand, rich in planktonic foraminifers. Stylolites are common throughout outlined by green clay. Macrofauna include delicate branching bryozoans, benthic foraminifers, and serpulid worm tubes.
Mineralized hardground with breciation and neptunian dikes.
ECHINOID WACKESTONE is partially dolomitized (~20%) and the echinoid fragments are very coarse sand.
BIOCLASTIC PACKSTONE contains an interval rich in glauconite. The glauconite decreased upward from the firmground in Section 3 to Section 2. The macrofauna are abundant in decimeter-scale beds and include bryozoans, corals, echinoid fragments and gastropods.
Firmground
Mineralized hardground

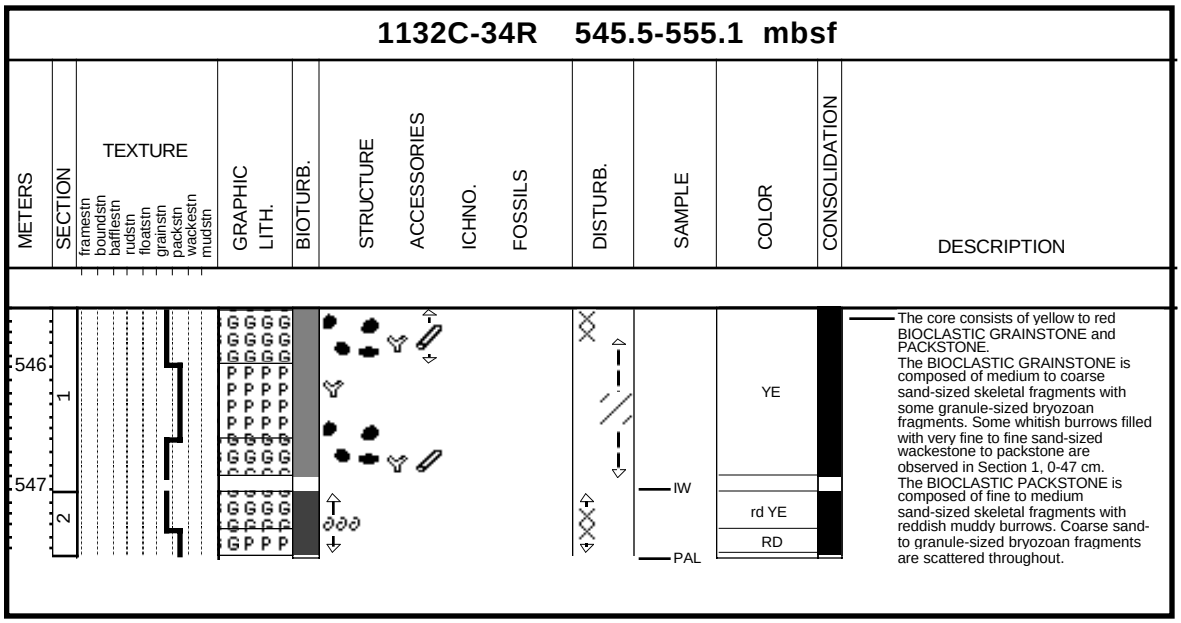
Core Photo


1132C-32R 526.3-535.9 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
527
528
529
1
2
3
THS
THS
PAL
lt GY
pal YE
lt ol GY
pal YE
lt ol GY
lt gn GY
The core consists of an alternation of light gray and pale yellow BIOCLASTIC PACKSTONE and GRAINSTONE, with common green solution seams that alternate bewteen abundant and rare. Bryozoan and mollusk fragments are common and the grain size is medium to fine sand.

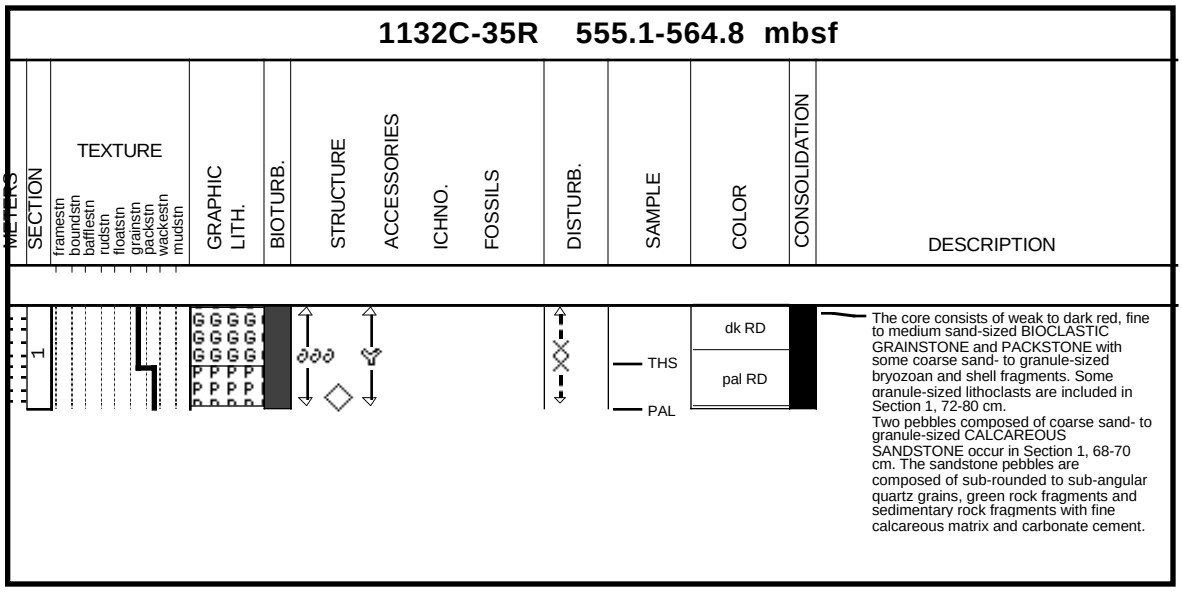
Core Photo


1132C-33R 535.9-545.5 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
536
1
PAL
YE
rd YE
The core consists of yellow to reddish yellow BIOCLASTIC GRAINSTONE. The BIOCLASTIC GRAINSTONE at the upper part in Section 1, 0-40 cm, consists of well-sorted, medium sand-sized bioclastic grains with some granule-sized bryozoan fragments. The BIOCLASTIC GRAINSTONE at the lower part in Section 1, 40-54 cm, is fine to medium sand-sized bioclastic grains with burrows filled with fine-grained reddish bioclastic packstone.

Core Photo


1132C-34R 545.5-555.1 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
546
547
1
2
IW
PAL
YE
rd YE
RD
The core consists of yellow to red BIOCLASTIC GRAINSTONE and PACKSTONE.
The BIOCLASTIC GRAINSTONE is composed of medium to coarse sand-sized skeletal fragments with some granule-sized bryozoan fragments. Some whitish burrows filled with very fine to fine sand-sized wackestone to packstone are observed in Section 1, 0-47 cm.
The BIOCLASTIC PACKSTONE is composed of fine to medium sand-sized skeletal fragments with reddish muddy burrows. Coarse sand- to granule-sized bryozoan fragments are scattered throughout.

Core Photo



1132C-36R NO RECOVERY

1132C-37R NO RECOVERY

1132C-38R NO RECOVERY

1132C-39R NO RECOVERY

Sample									Texture			Mineral					Biogenic									Rock		
Leg	Site	Hole	Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Clay	Dolomite	Opaques	Pyrite	Quartz	Benthic Foraminifers	Bryozoans	Coccoliths	Echinoid Spines	Ostracodes	Planktonic Foraminifers	Radiolarians	Sponge Spicules	Tunicate spicules	Bioclasts	Micrite	Comments
182	1132	A	1	H	5	39.00	6.39	D									C	P	D					C	C	A		
182	1132	A	1	H	5	147.00	7.47	M						*				P	D			P		C	C	A		
182	1132	B	4	H	5	120.00	33.00	D					*				C		A		*			C	R	A		
182	1132	B	9	H	5	140.00	80.70	D					R		*		*		A					P	C	A		
182	1132	B	12	H	1	100.00	102.80	D									R		D	*				P	P	C		
182	1132	B	22	X	2	109.00	193.89	D				P				P	P		A			P		R	P	A	P	
182	1132	B	27	X	1	12.00	238.62	D									R		C					R	*	A		
182	1132	B	28	X	1	130.00	249.20	D									C		D			P				C		

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	Brachiopods	Bryozoans	Diatoms	Echinoids	Gastropod	Nannofossils	Ostracodes	Planktonic Foraminifers	Radiolarians	Sponge Spicules	Bioclasts	Micrite	Comments
182	1132	C	13	R	CC	10	12	348.20 - 348.22	D			X				X									X					X	X			X		silt-sized microbioclastic matrix; partially dolomitized
182	1132	C	26	R	CC	7	9	468.67 - 468.69	D			X				X						X		X	X		X			X	X				microsparite matrix; echinoderm grains are dolomitized and overgrown with dolomite rhombs
182	1132	C	31	R	1	56	59	517.26 - 517.29	D		X	(X)				X						X					X			X	X			X		partially dolomitized with fine sand-sized dolomite rhombs
182	1132	C	31	R	2	55	58	518.80 - 518.83	D		X	X				X	X							X	X		X				X					partially dolomitized
182	1132	C	31	R	3	36	38	520.08 - 520.10	D		X	(X)				X	X					X			X		X				X			X		partially dolomitized with fine sand-sized clear dolomite rhombs
182	1132	C	32	R	1	40	42	526.70 - 526.72	D		X	(X)					X				X				X		X				X					bryozoans are diverse and many different growth forms; minor liminitized glauconite
182	1132	C	32	R	2	124	126	528.91 - 528.93	D		X					X					X	X			X		X				X					partially dolomitized with clear, very fine sand-sized dolomite rhombs
182	1132	C	35	R	1	45	47	555.55 - 555.57	D		X	X				X					X	X			X						X					conspicuous microborings filled by limonite; rare dolomite rhombs are surrounded by limonite