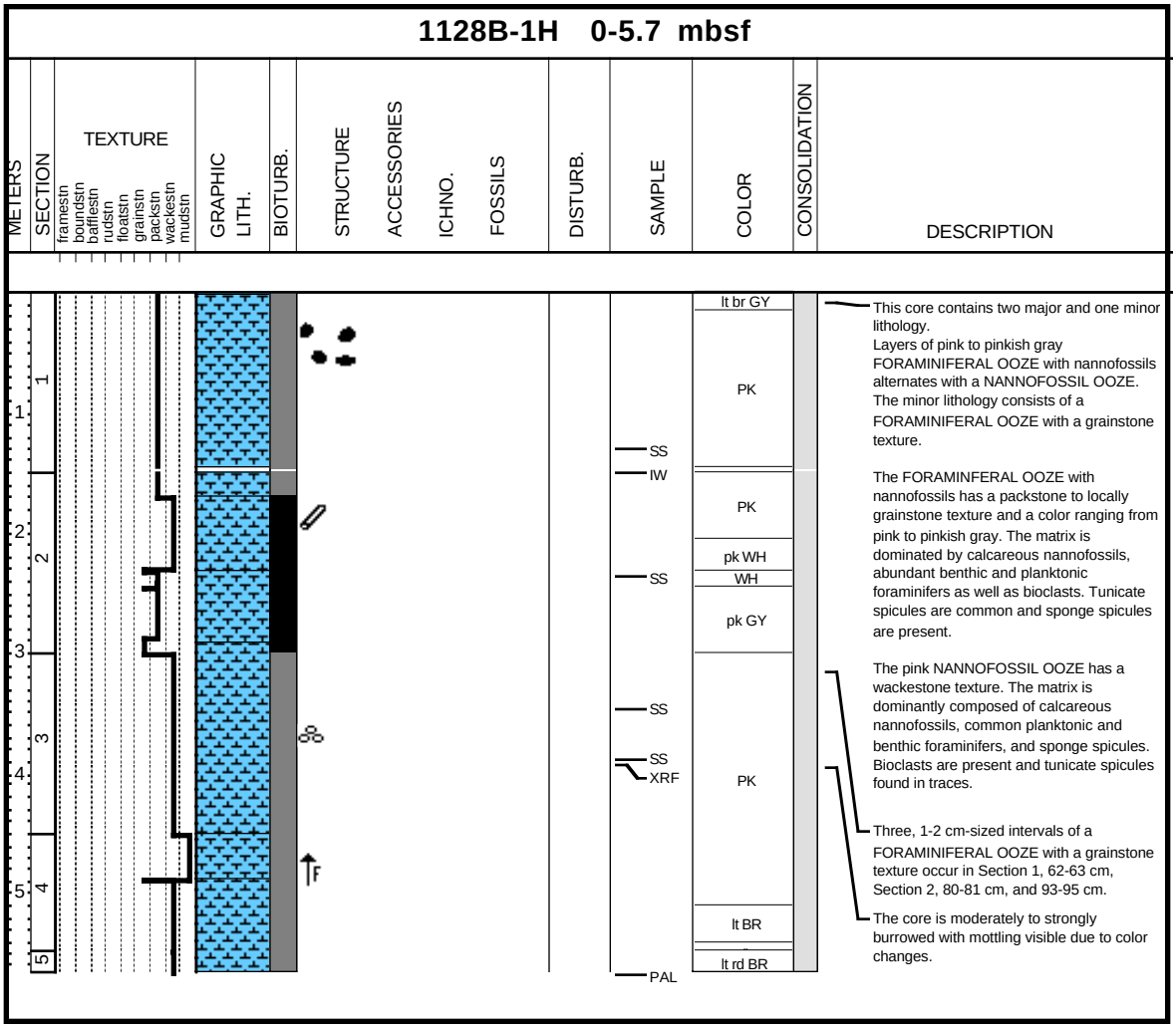
Core Photo


1128B-1H 0-5.7 mbsf
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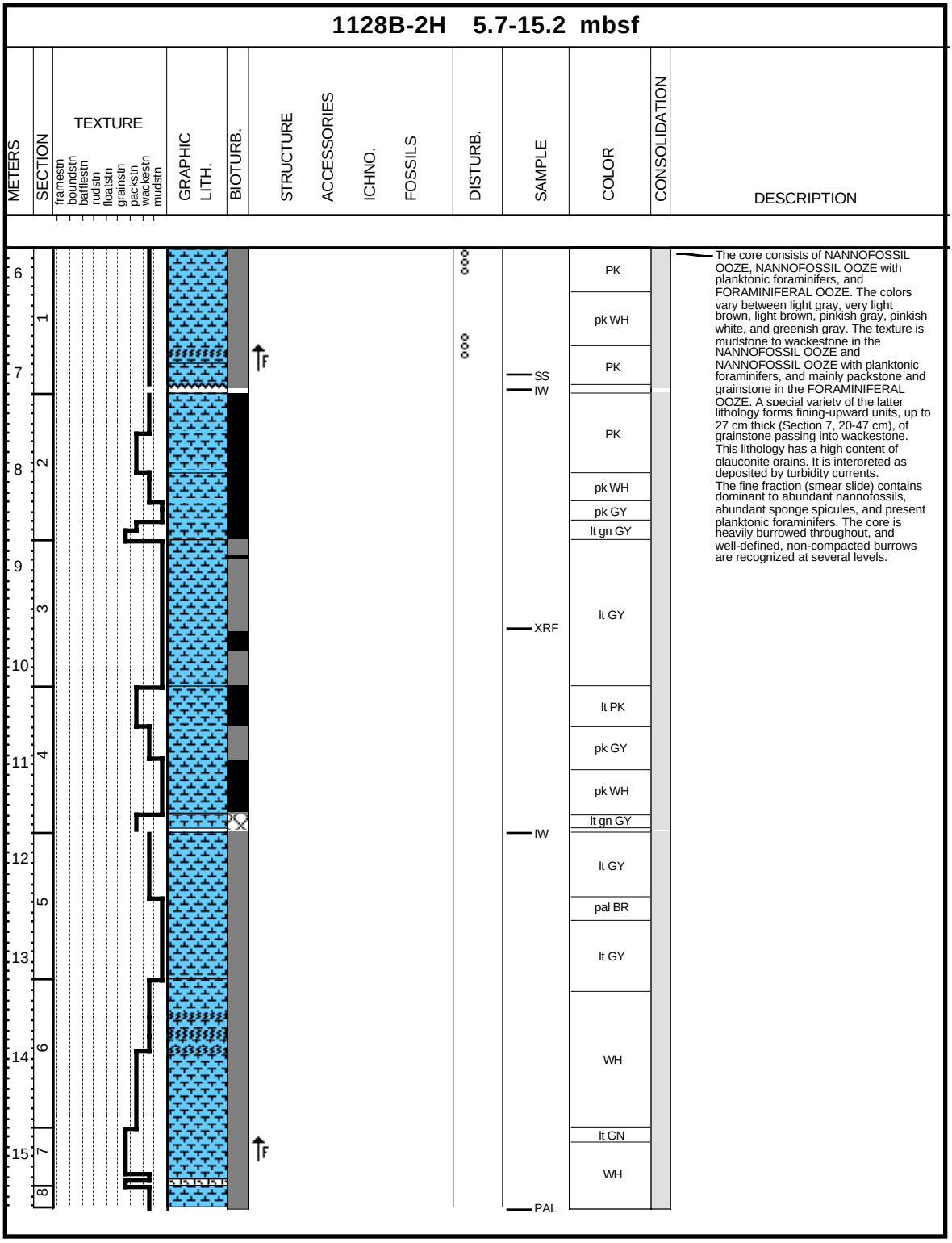
SECTION
TEXTURE
framestn
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
SS
IW
SS
SS
SS
XRF
PAL
lt br GY
PK
PK
pk WH
WH
pk GY
PK
lt BR
lt rd BR
This core contains two major and one minor lithology.
Layers of pink to pinkish gray FORAMINIFERAL OOZE with nannofossils alternates with a NANNOFOSSIL OOZE. The minor lithology consists of a FORAMINIFERAL OOZE with a grainstone texture.
The FORAMINFERAL OOZE with nannofossils has a packstone to locally grainstone texture and a color ranging from pink to pinkish gray. The matrix is dominated by calcareous nannofossils, abundant benthic and planktonic foraminifers as well as bioclasts. Tunicate spicules are common and sponge spicules are present.
The pink NANNOFOSSIL OOZE has a wackestone texture. The matrix is dominantly composed of calcareous nannofossils, common planktonic and benthic foraminifers, and sponge spicules. Bioclasts are present and tunicate spicules found in traces.
Three, 1-2 cm-sized intervals of a FORAMINIFERAL OOZE with a grainstone texture occur in Section 1, 62-63 cm, Section 2, 80-81 cm, and 93-95 cm.
The core is moderately to strongly burrowed with mottling visible due to color changes.

Core Photo


1128B-2H 5.7-15.2 mbsf
METERS
SECTION
TEXTURE
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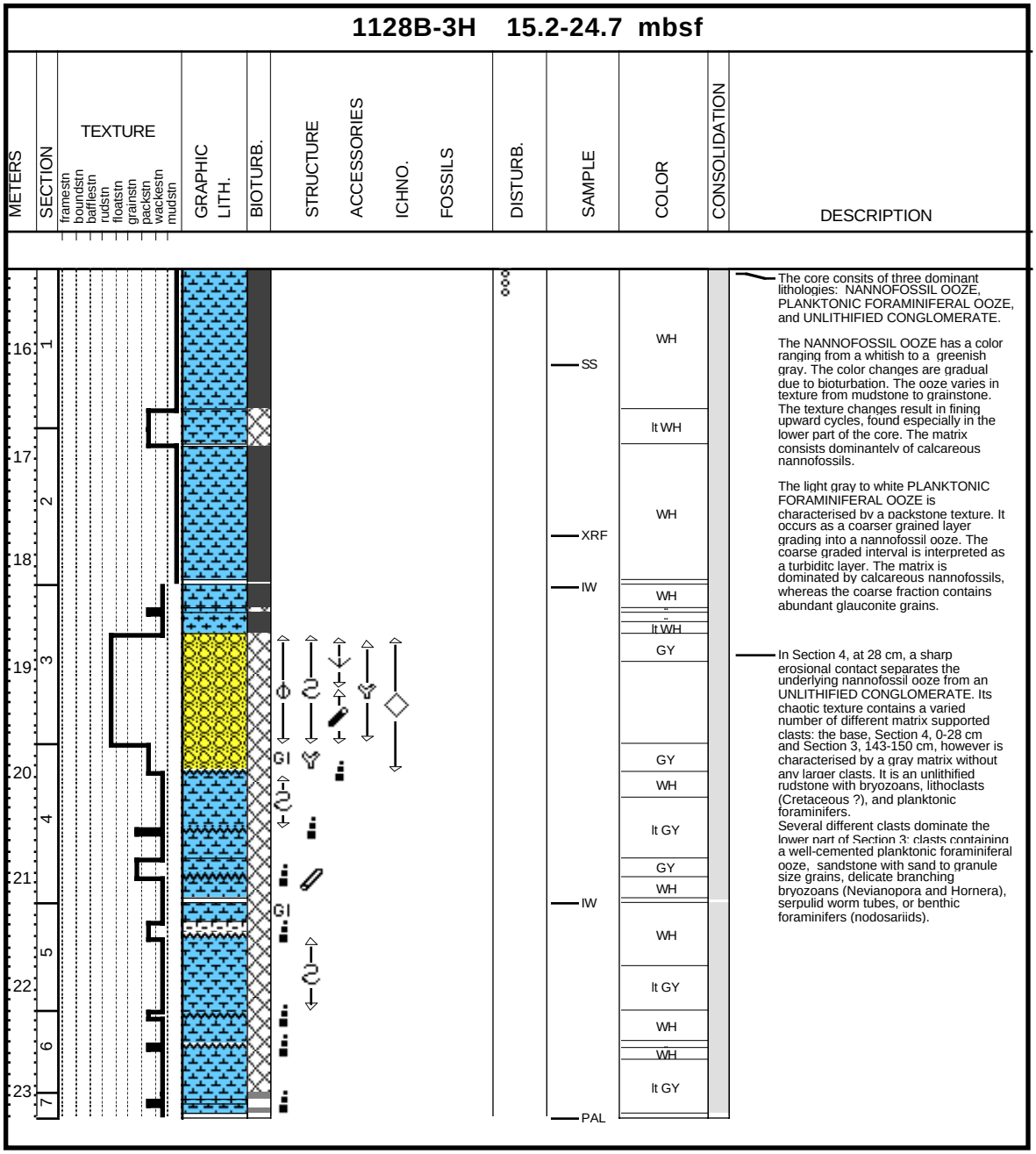
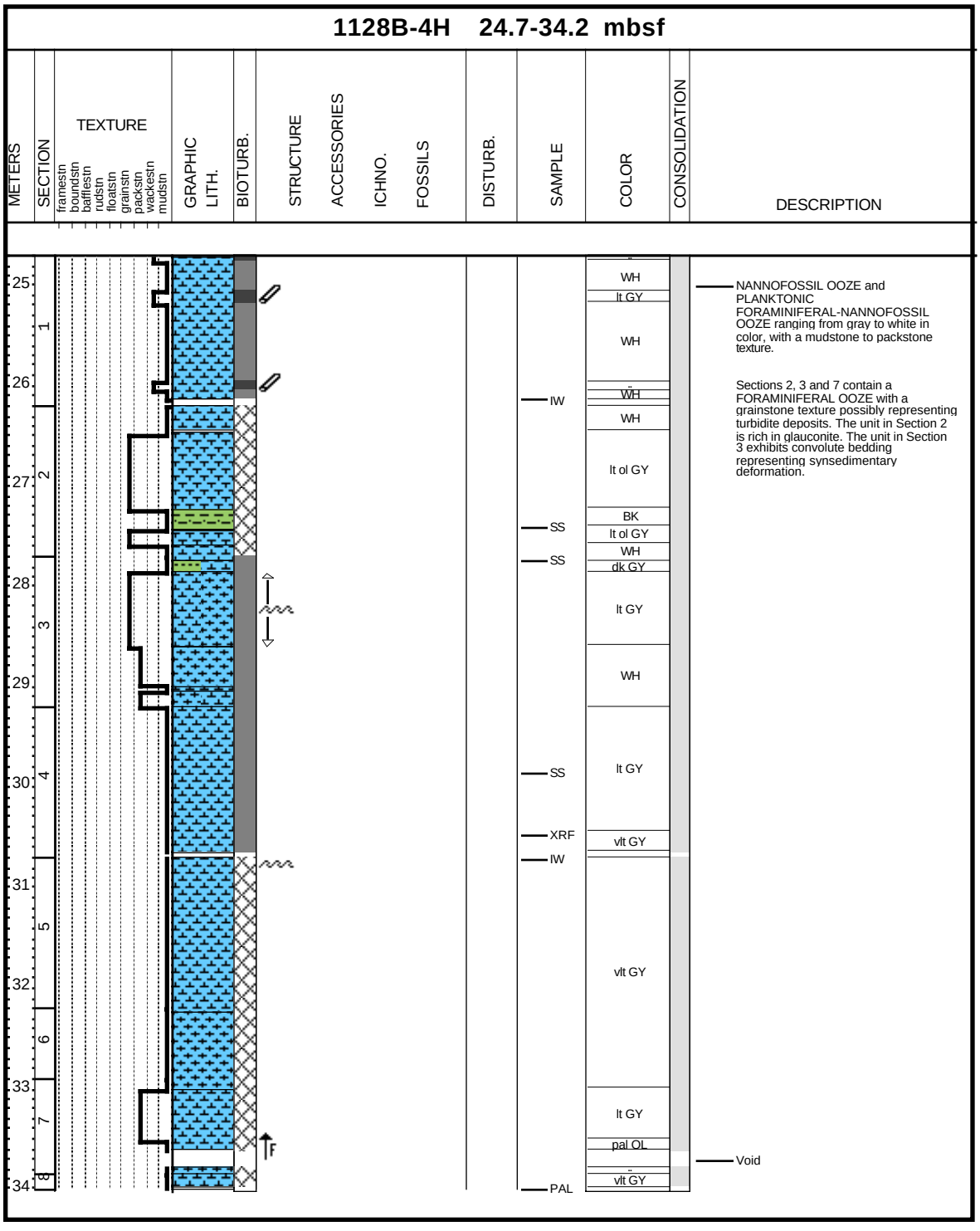
boundstn
batflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
SS
IW
XRF
IW
PAL
PK
pk WH
PK
PK
pk WH
pk GY
lt gn GY
lt GY
lt PK
pk GY
pk WH
lt gn GY
lt GY
pal BR
lt GY
WH
lt GN
WH
The core consists of NANNOFOSSIL OOZE, NANNOFOSSIL OOZE with planktonic foraminifers, and FORAMINIFERAL OOZE. The colors vary between light gray, very light brown, light brown, pinkish gray, pinkish white, and greenish gray. The texture is mudstone to wackestone in the NANNOFOSSIL OOZE and NANNOFOSSIL OOZE with planktonic foraminifers, and mainly packstone and grainstone in the FORAMINIFERAL OOZE. A special variety of the latter lithology forms fining-upward units, up to 27 cm thick (Section 7, 20-47 cm), of grainstone passing into wackestone. This lithology has a high content of glauconite grains. It is interpreted as deposited by turbidity currents.
The fine fraction (smear slide) contains dominant to abundant nannofossils, abundant sponge spicules, and present planktonic foraminifers. The core is heavily burrowed throughout, and well-defined, non-compacted burrows are recognized at several levels.

Core Photo


1128B-3H 15.2-24.7 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
16
17
18
19
20
21
22
23
1
2
3
4
5
6
7
SS
XRF
IW
IW
PAL
WH
lt WH
WH
WH
lt WH
GY
GY
WH
lt GY
GY
WH
WH
lt GY
WH
WH
lt GY
The core consits of three dominant lithologies: NANNOFOSSIL OOZE, PLANKTONIC FORAMINIFERAL OOZE, and UNLITHIFIED CONGLOMERATE.
The NANNOFOSSIL OOZE has a color ranging from a whitish to a greenish gray. The color changes are gradual due to bioturbation. The ooze varies in texture from mudstone to grainstone. The texture changes result in fining upward cycles, found especially in the lower part of the core. The matrix consists dominantely of calcareous nannofossils.
The light gray to white PLANKTONIC FORAMINIFERAL OOZE is characterised by a packstone texture. It occurs as a coarser grained layer grading into a nannofossil ooze. The coarse graded interval is interpreted as a turbiditc layer. The matrix is dominated by calcareous nannofossils, whereas the coarse fraction contains abundant glauconite grains.
In Section 4, at 28 cm, a sharp erosional contact separates the underlying nannofossil ooze from an UNLITHIFIED CONGLOMERATE. Its chaotic texture contains a varied number of different matrix supported clasts: the base, Section 4, 0-28 cm and Section 3, 143-150 cm, however is characterised by a gray matrix without any larger clasts. It is an unlithified rudstone with bryozoans, lithoclasts (Cretaceous ?), and planktonic foraminifers.
Several different clasts dominate the lower part of Section 3: clasts containing a well-cemented planktonic foraminiferal ooze, sandstone with sand to granule size grains, delicate branching bryozoans (Nevianopora and Hornera), serpulid worm tubes, or benthic foraminifers (nodosariids).

Core Photo


1128B-4H 24.7-34.2 mbsf
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SECTION
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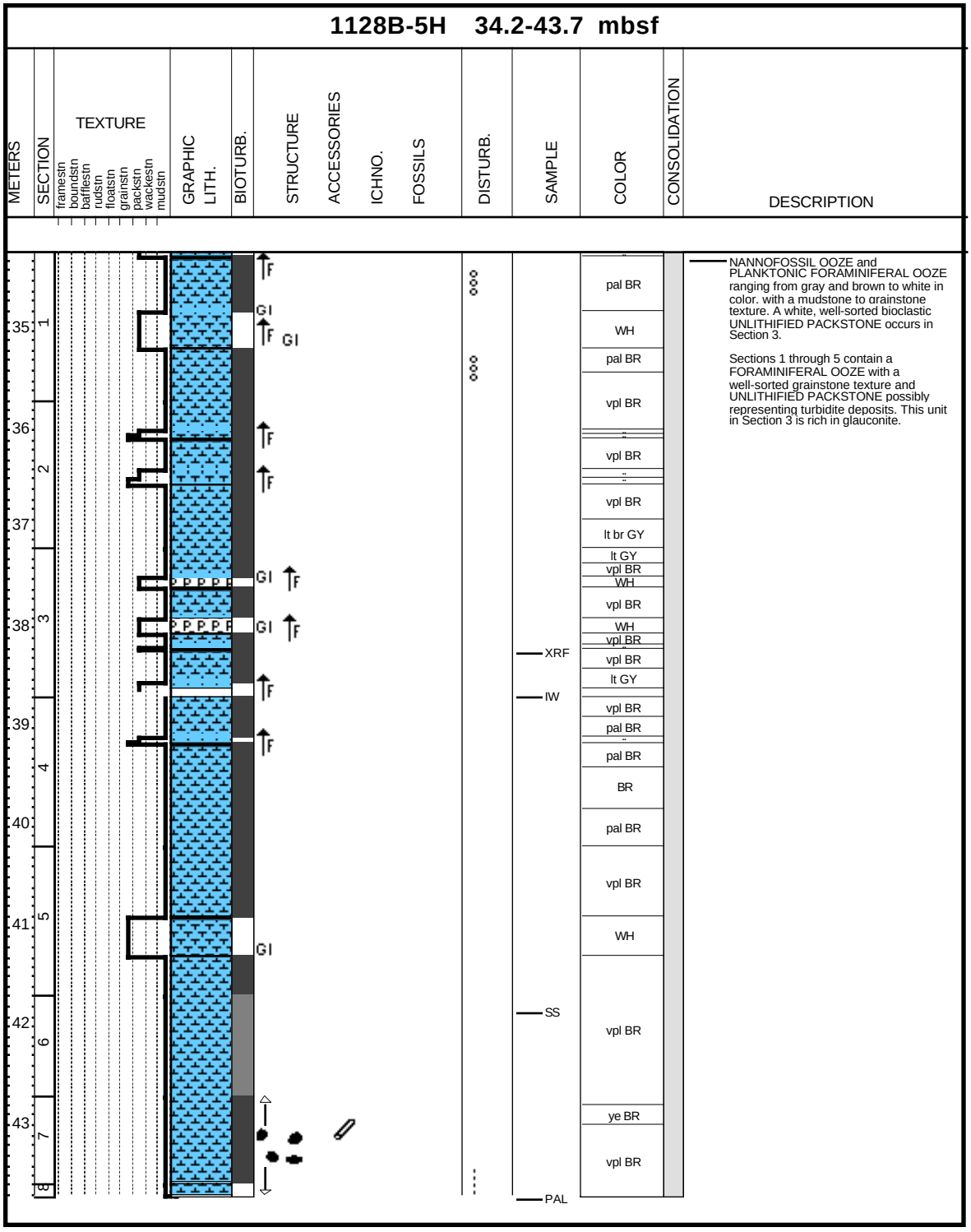
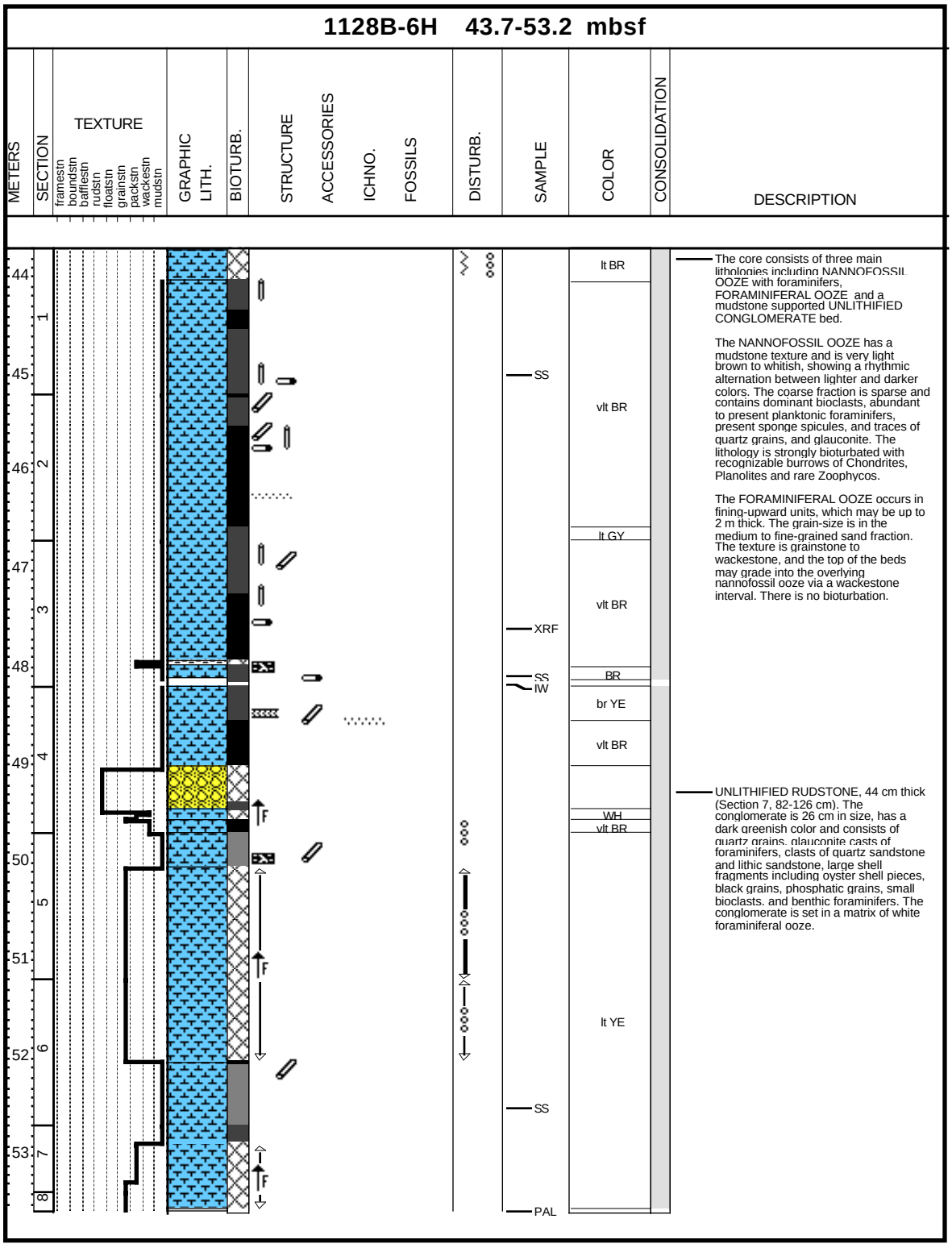
framestn
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
25
26
27
28
29
30
31
32
33
34
1
2
3
4
5
6
7
CC
IW
SS
SS
SS
XRF
IW
PAL
WH
lt GY
WH
WH
WH
lt ol GY
BK
lt ol GY
WH
dk GY
lt GY
WH
lt GY
vlt GY
vlt GY
lt GY
pal OL
vlt GY
NANNOFOSSIL OOZE and PLANKTONIC FORAMINIFERAL-NANNOFOSSIL OOZE ranging from gray to white in color, with a mudstone to packstone texture.
Sections 2, 3 and 7 contain a FORAMINIFERAL OOZE with a grainstone texture possibly representing turbidite deposits. The unit in Section 2 is rich in glauconite. The unit in Section 3 exhibits convolute bedding representing synsedimentary deformation.
Void

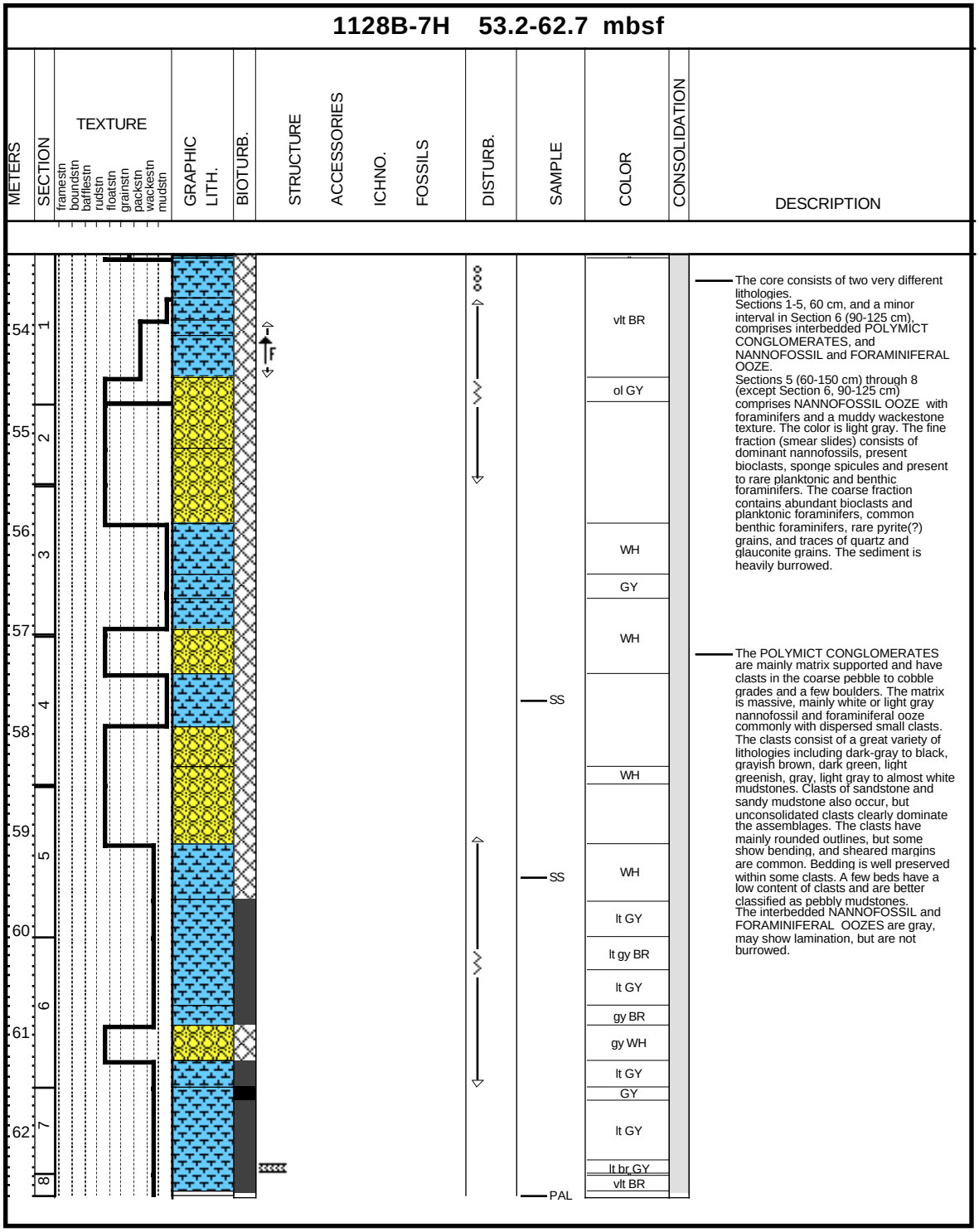
Core Photo


1128B-5H 34.2-43.7 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
NANNOFOSSIL OOZE and PLANKTONIC FORAMINIFERAL OOZE ranging from gray and brown to white in color, with a mudstone to grainstone texture. A white, well-sorted bioclastic UNLITHIFIED PACKSTONE occurs in Section 3.
Sections 1 through 5 contain a FORAMINIFERAL OOZE with a well-sorted grainstone texture and UNLITHIFIED PACKSTONE possibly representing turbidite deposits. This unit in Section 3 is rich in glauconite.
XRF
IW
SS
PAL
pal BR
WH
vpl BR
lt br GY
lt GY
BR
ye BR

Core Photo


1128B-6H 43.7-53.2 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
44
45
46
47
48
49
50
51
52
53
1
2
3
4
5
6
7
8
SS
XRF
SS
IW
SS
PAL
lt BR
vlt BR
lt GY
vlt BR
BR
br YE
vlt BR
WH
vlt BR
lt YE
F
F
F
The core consists of three main lithologies including NANNOFOSSIL OOZE with foraminifers, FORAMINIFERAL OOZE and a mudstone supported UNLITHIFIED CONGLOMERATE bed.
The NANNOFOSSIL OOZE has a mudstone texture and is very light brown to whitish, showing a rhythmic alternation between lighter and darker colors. The coarse fraction is sparse and contains dominant bioclasts, abundant to present planktonic foraminifers, present sponge spicules, and traces of quartz grains, and glauconite. The lithology is strongly bioturbated with recognizable burrows of Chondrites, Planolites and rare Zoophycos.
The FORAMINIFERAL OOZE occurs in fining-upward units, which may be up to 2 m thick. The grain-size is in the medium to fine-grained sand fraction. The texture is grainstone to wackestone, and the top of the beds may grade into the overlying nannofossil ooze via a wackestone interval. There is no bioturbation.
UNLITHIFIED RUDSTONE, 44 cm thick (Section 7, 82-126 cm). The conglomerate is 26 cm in size, has a dark greenish color and consists of quartz grains, glauconite casts of foraminifers, clasts of quartz sandstone and lithic sandstone, large shell fragments including oyster shell pieces, black grains, phosphatic grains, small bioclasts. and benthic foraminifers. The conglomerate is set in a matrix of white foraminiferal ooze.

Core Photo


1128B-7H 53.2-62.7 mbsf
METERS
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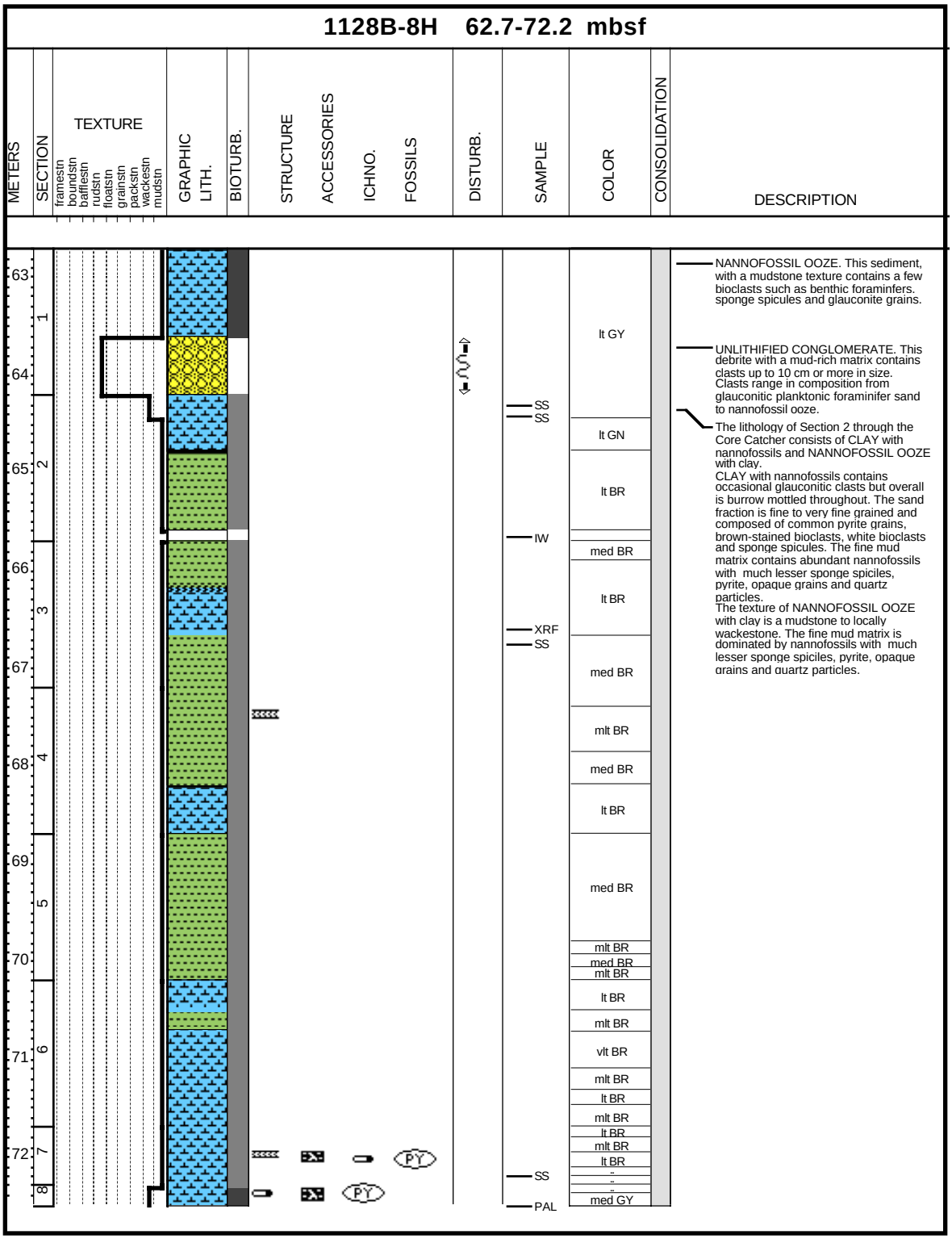
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
54
55
56
57
58
59
60
61
62
1
2
3
4
5
6
7
8
F
SS
SS
PAL
vlt BR
ol GY
WH
GY
WH
WH
WH
lt GY
lt gy BR
lt GY
gy BR
gy WH
lt GY
GY
lt GY
lt br GY
vlt BR
The core consists of two very different lithologies.
Sections 1-5, 60 cm, and a minor interval in Section 6 (90-125 cm), comprises interbedded POLYMICT CONGLOMERATES, and NANNOFOSSIL and FORAMINIFERAL OOZE.
Sections 5 (60-150 cm) through 8 (except Section 6, 90-125 cm) comprises NANNOFOSSIL OOZE with foraminifers and a muddy wackestone texture. The color is light gray. The fine fraction (smear slides) consists of dominant nannofossils, present bioclasts, sponge spicules and present to rare planktonic and benthic foraminifers. The coarse fraction contains abundant bioclasts and planktonic foraminifers, common benthic foraminifers, rare pyrite(?) grains, and traces of quartz and glauconite grains. The sediment is heavily burrowed.
The POLYMICT CONGLOMERATES are mainly matrix supported and have clasts in the coarse pebble to cobble grades and a few boulders. The matrix is massive, mainly white or light gray nannofossil and foraminiferal ooze commonly with dispersed small clasts. The clasts consist of a great variety of lithologies including dark-gray to black, grayish brown, dark green, light greenish, gray, light gray to almost white mudstones. Clasts of sandstone and sandy mudstone also occur, but unconsolidated clasts clearly dominate the assemblages. The clasts have mainly rounded outlines, but some show bending, and sheared margins are common. Bedding is well preserved within some clasts. A few beds have a low content of clasts and are better classified as pebbly mudstones.
The interbedded NANNOFOSSIL and FORAMINIFERAL OOZES are gray, may show lamination, but are not burrowed.

Core Photo


1128B-8H 62.7-72.2 mbsf
METERS
SECTION
TEXTURE
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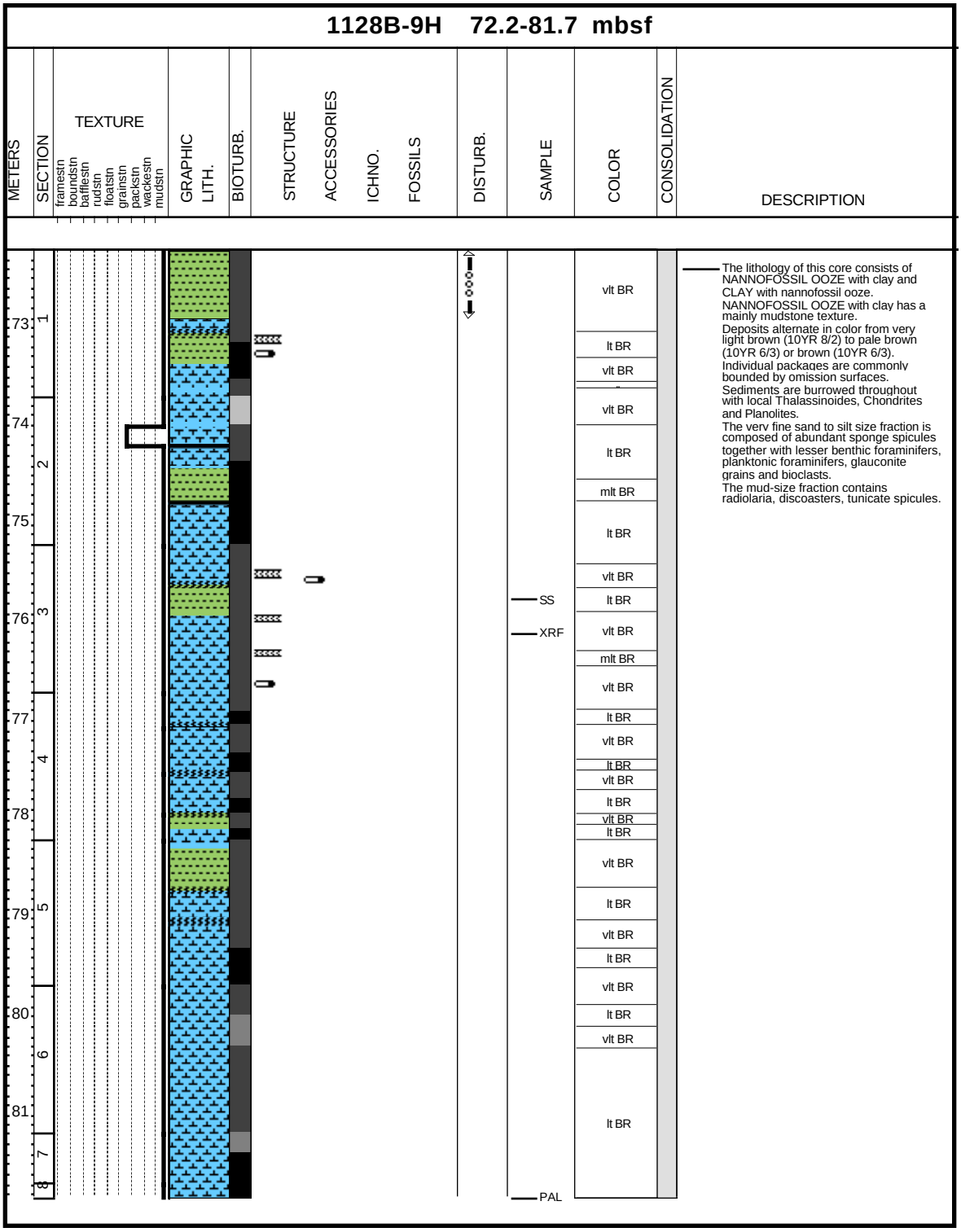
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
63
64
65
66
67
68
69
70
71
72
1
2
3
4
5
6
7
8
SS
SS
IW
XRF
SS
SS
PAL
PY
PY
lt GY
lt GN
lt BR
med BR
lt BR
med BR
mlt BR
med BR
lt BR
med BR
mlt BR
med BR
mlt BR
lt BR
mlt BR
vlt BR
mlt BR
lt BR
mlt BR
lt BR
mlt BR
lt BR
med GY
NANNOFOSSIL OOZE. This sediment, with a mudstone texture contains a few bioclasts such as benthic foraminfers. sponge spicules and glauconite grains.
UNLITHIFIED CONGLOMERATE. This debrite with a mud-rich matrix contains clasts up to 10 cm or more in size. Clasts range in composition from glauconitic planktonic foraminifer sand to nannofossil ooze.
The lithology of Section 2 through the Core Catcher consists of CLAY with nannofossils and NANNOFOSSIL OOZE with clay.
CLAY with nannofossils contains occasional glauconitic clasts but overall is burrow mottled throughout. The sand fraction is fine to very fine grained and composed of common pyrite grains, brown-stained bioclasts, white bioclasts and sponge spicules. The fine mud matrix contains abundant nannofossils with much lesser sponge spiciles, pyrite, opaque grains and quartz particles.
The texture of NANNOFOSSIL OOZE with clay is a mudstone to locally wackestone. The fine mud matrix is dominated by nannofossils with much lesser sponge spiciles, pyrite, opaque grains and quartz particles.

Core Photo


1128B-9H 72.2-81.7 mbsf
METERS
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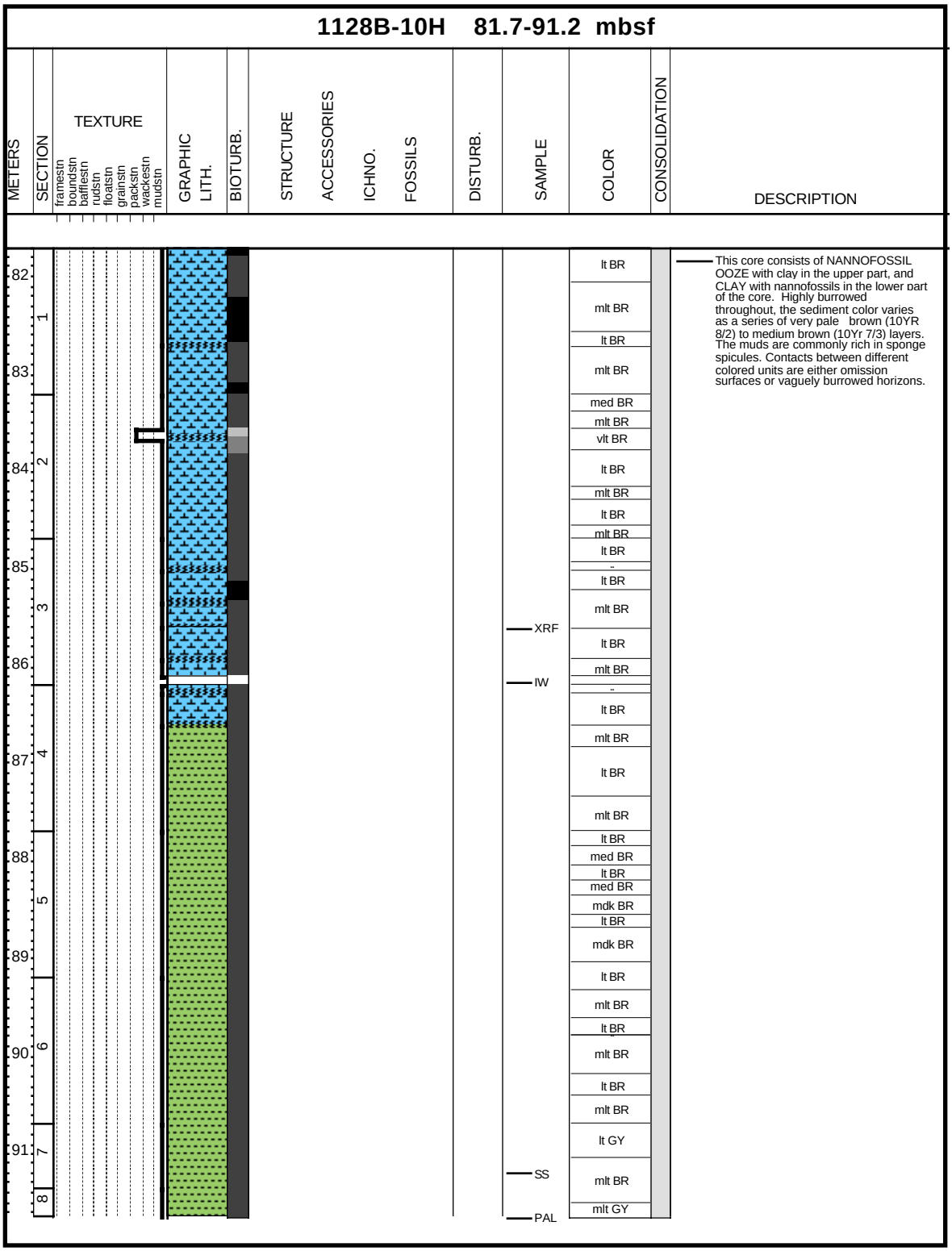
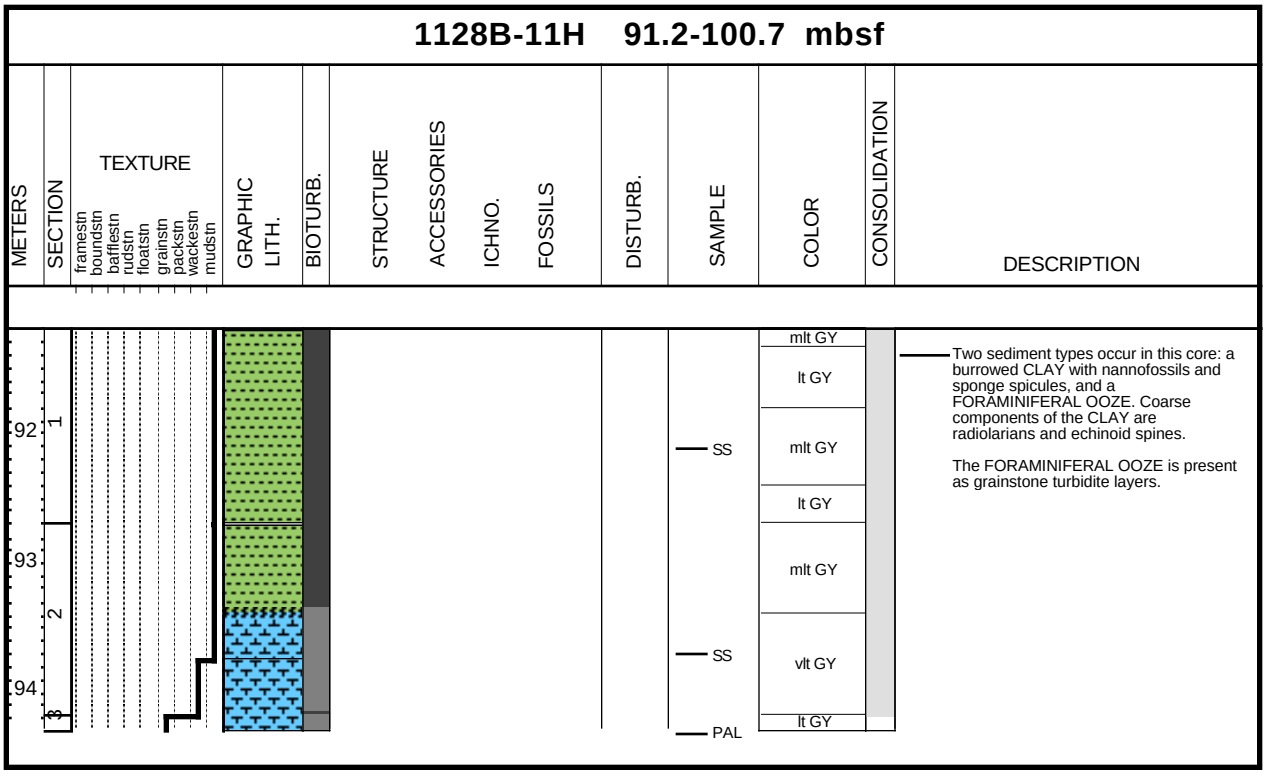
batfliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
SS
XRF
PAL
vlt BR
lt BR
mlt BR
The lithology of this core consists of NANNOFOSSIL OOZE with clay and CLAY with nannofossil ooze.
NANNOFOSSIL OOZE with clay has a mainly mudstone texture.
Deposits alternate in color from very light brown (10YR 8/2) to pale brown (10YR 6/3) or brown (10YR 6/3).
Individual packages are commonly bounded by omission surfaces.
Sediments are burrowed throughout with local Thalassinoides, Chondrites and Planolites.
The very fine sand to silt size fraction is composed of abundant sponge spicules together with lesser benthic foraminifers, planktonic foraminifers, glauconite grains and bioclasts.
The mud-size fraction contains radiolaria, discoasters, tunicate spicules.

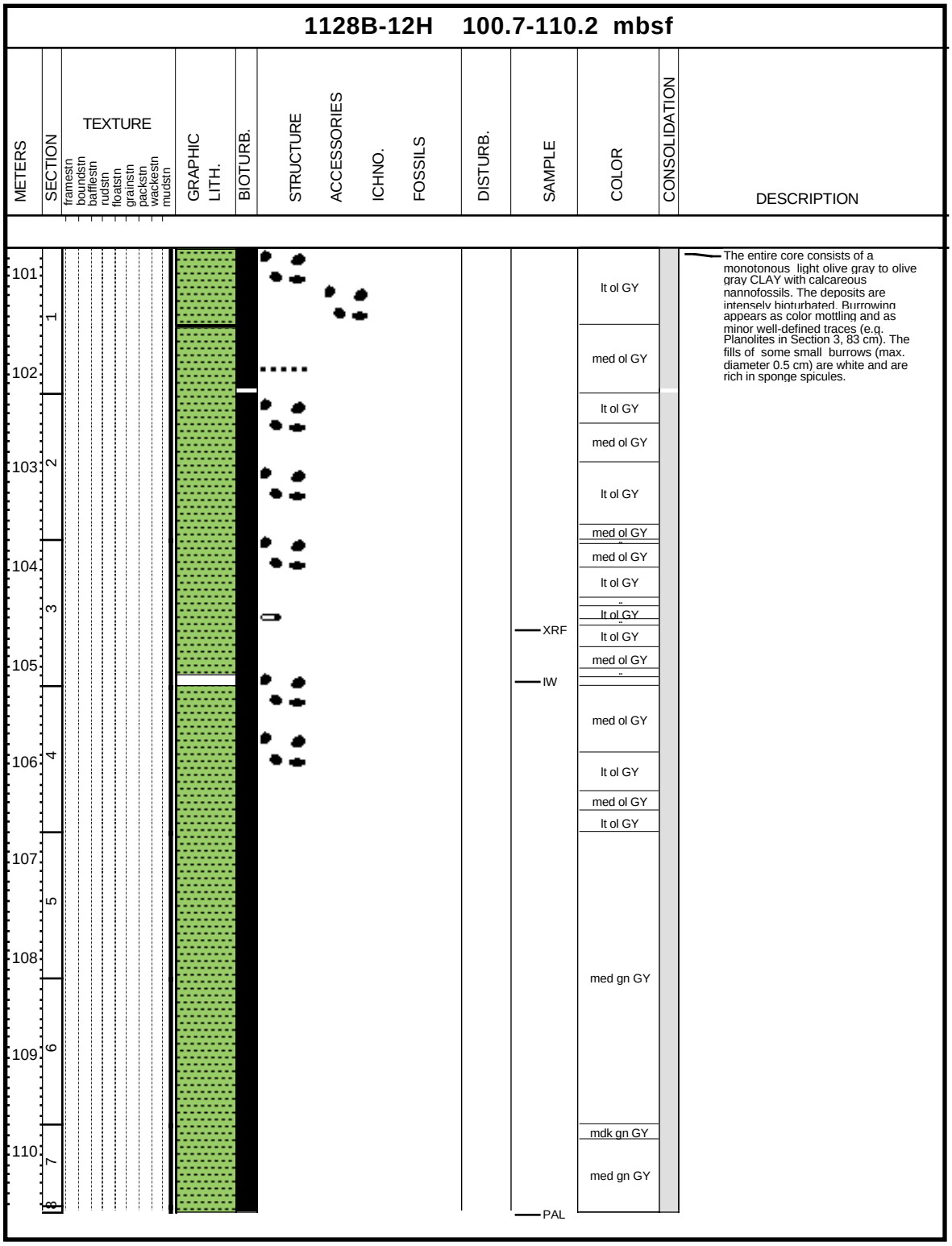
Core Photo


1128B-10H 81.7-91.2 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
82
83
84
85
86
87
88
89
90
91
1
2
3
4
5
6
7
8
XRF
IW
SS
PAL
lt BR
mlt BR
lt BR
mlt BR
med BR
mlt BR
vlt BR
lt BR
mlt BR
lt BR
mlt BR
lt BR
lt BR
mlt BR
lt BR
mlt BR
lt BR
mlt BR
lt BR
mlt BR
lt BR
med BR
lt BR
med BR
mdk BR
lt BR
mdk BR
lt BR
mlt BR
lt BR
mlt BR
lt BR
mlt BR
lt GY
mlt BR
mlt GY
This core consists of NANNOFOSSIL OOZE with clay in the upper part, and CLAY with nannofossils in the lower part of the core. Highly burrowed throughout, the sediment color varies as a series of very pale brown (10YR 8/2) to medium brown (10Yr 7/3) layers. The muds are commonly rich in sponge spicules. Contacts between different colored units are either omission surfaces or vaguely burrowed horizons.

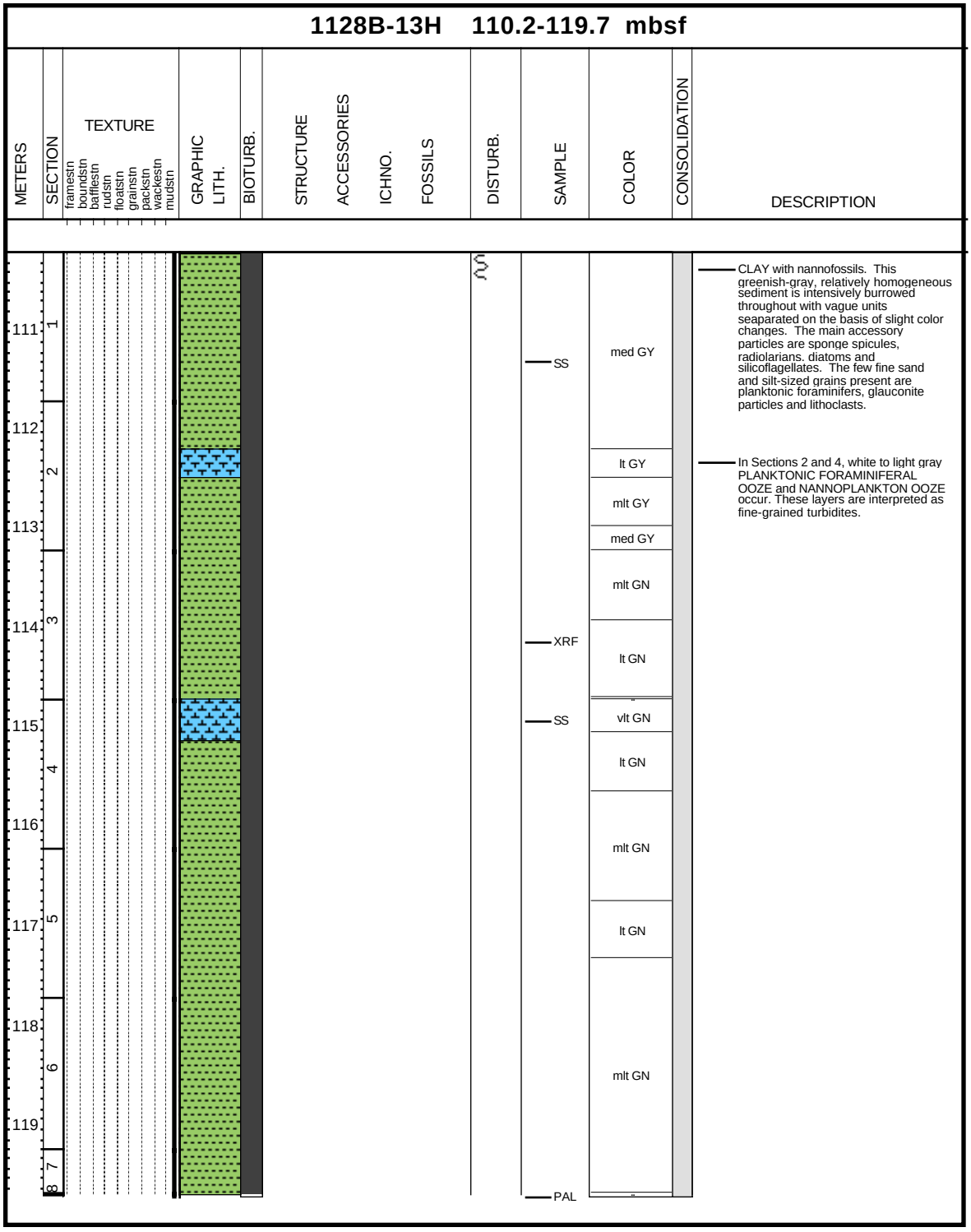
Core Photo


1128B-11H 91.2-100.7 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
92
93
94
1
2
3
SS
SS
PAL
mlt GY
lt GY
mlt GY
lt GY
mlt GY
vlt GY
lt GY
Two sediment types occur in this core: a burrowed CLAY with nannofossils and sponge spicules, and a FORAMINIFERAL OOZE. Coarse components of the CLAY are radiolarians and echinoid spines.
The FORAMINIFERAL OOZE is present as grainstone turbidite layers.

Core Photo


1128B-12H 100.7-110.2 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
101
102
103
104
105
106
107
108
109
110
1
2
3
4
5
6
7
8
XRF
IW
PAL
lt ol GY
med ol GY
lt ol GY
med ol GY
lt ol GY
med ol GY
med ol GY
lt ol GY
lt ol GY
lt ol GY
med ol GY
med ol GY
lt ol GY
med ol GY
lt ol GY
med gn GY
mdk gn GY
med gn GY
The entire core consists of a monotonous light olive gray to olive gray CLAY with calcareous nannofossils. The deposits are intensely bioturbated. Burrowing appears as color mottling and as minor well-defined traces (e.g. Planolites in Section 3, 83 cm). The fills of some small burrows (max. diameter 0.5 cm) are white and are rich in sponge spicules.

Core Photo


1128B-13H 110.2-119.7 mbsf
METERS
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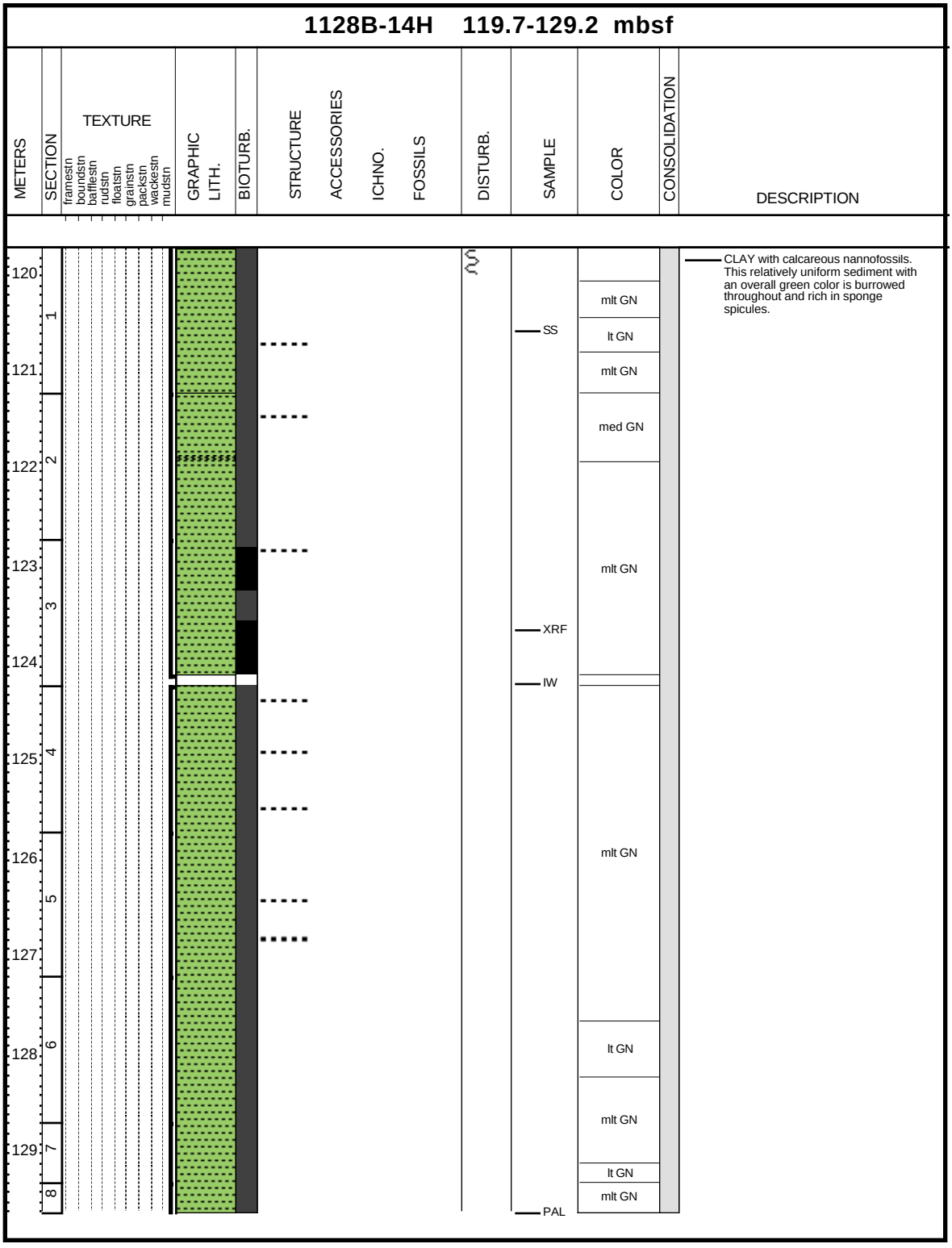
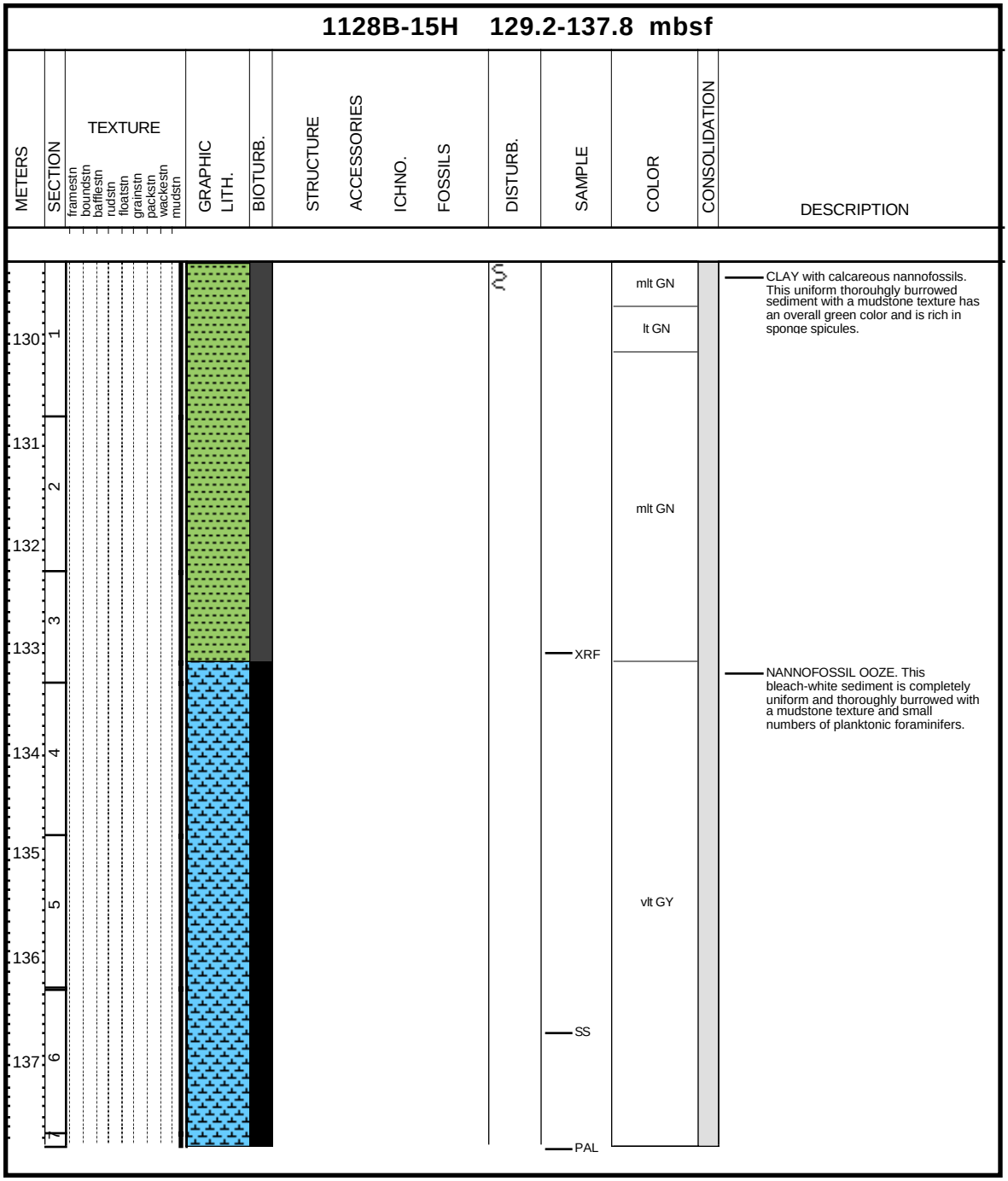
boundstn
baffflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
111
112
113
114
115
116
117
118
119
1
2
3
4
5
6
7
8
SS
XRF
SS
PAL
med GY
lt GY
mlt GY
med GY
mlt GN
lt GN
vlt GN
lt GN
mlt GN
lt GN
mlt GN
CLAY with nannofossils. This greenish-gray, relatively homogeneous sediment is intensively burrowed throughout with vague units seaparated on the basis of slight color changes. The main accessory particles are sponge spicules, radiolarians, diatoms and silicoflagellates. The few fine sand and silt-sized grains present are planktonic foraminifers, glauconite particles and lithoclasts.
In Sections 2 and 4, white to light gray PLANKTONIC FORAMINIFERAL OOZE and NANNOPLANKTON OOZE occur. These layers are interpreted as fine-grained turbidites.

Core Photo


1128B-14H 119.7-129.2 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
120
121
122
123
124
125
126
127
128
129
1
2
3
4
5
6
7
8
SS
XRF
IW
PAL
mlt GN
lt GN
mlt GN
med GN
mlt GN
mlt GN
lt GN
mlt GN
lt GN
mlt GN
CLAY with calcareous nannofossils. This relatively uniform sediment with an overall green color is burrowed throughout and rich in sponge spicules.

Core Photo


1128B-15H 129.2-137.8 mbsf
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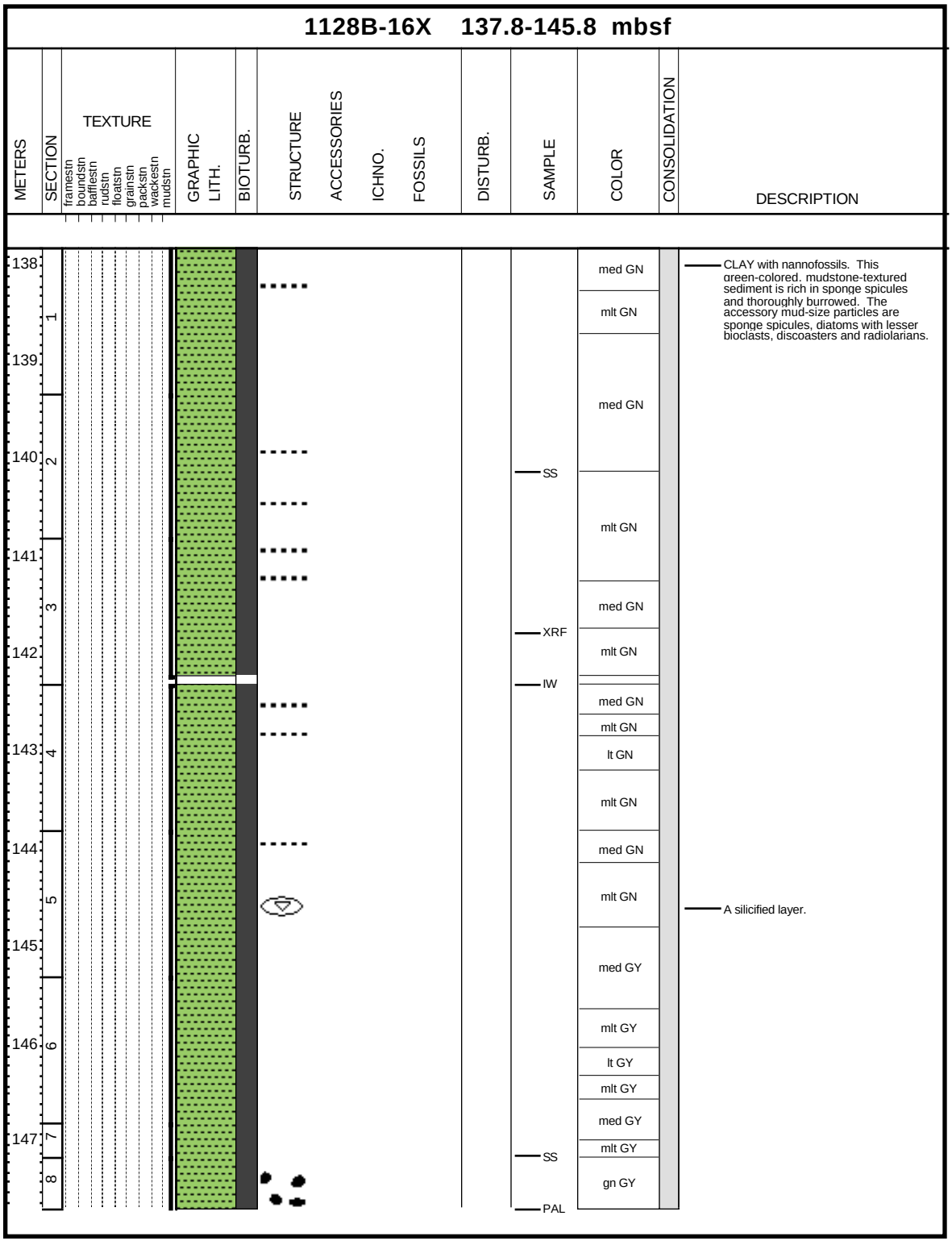
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
130
131
132
133
134
135
136
137
1
2
3
4
5
6
7
mlt GN
lt GN
mlt GN
vlt GY
XRF
SS
PAL
CLAY with calcareous nannofossils. This uniform thorouhgly burrowed sediment with a mudstone texture has an overall green color and is rich in sponge spicules.
NANNOFOSSIL OOZE. This bleach-white sediment is completely uniform and thoroughly burrowed with a mudstone texture and small numbers of planktonic foraminifers.

Core Photo


1128B-16X 137.8-145.8 mbsf
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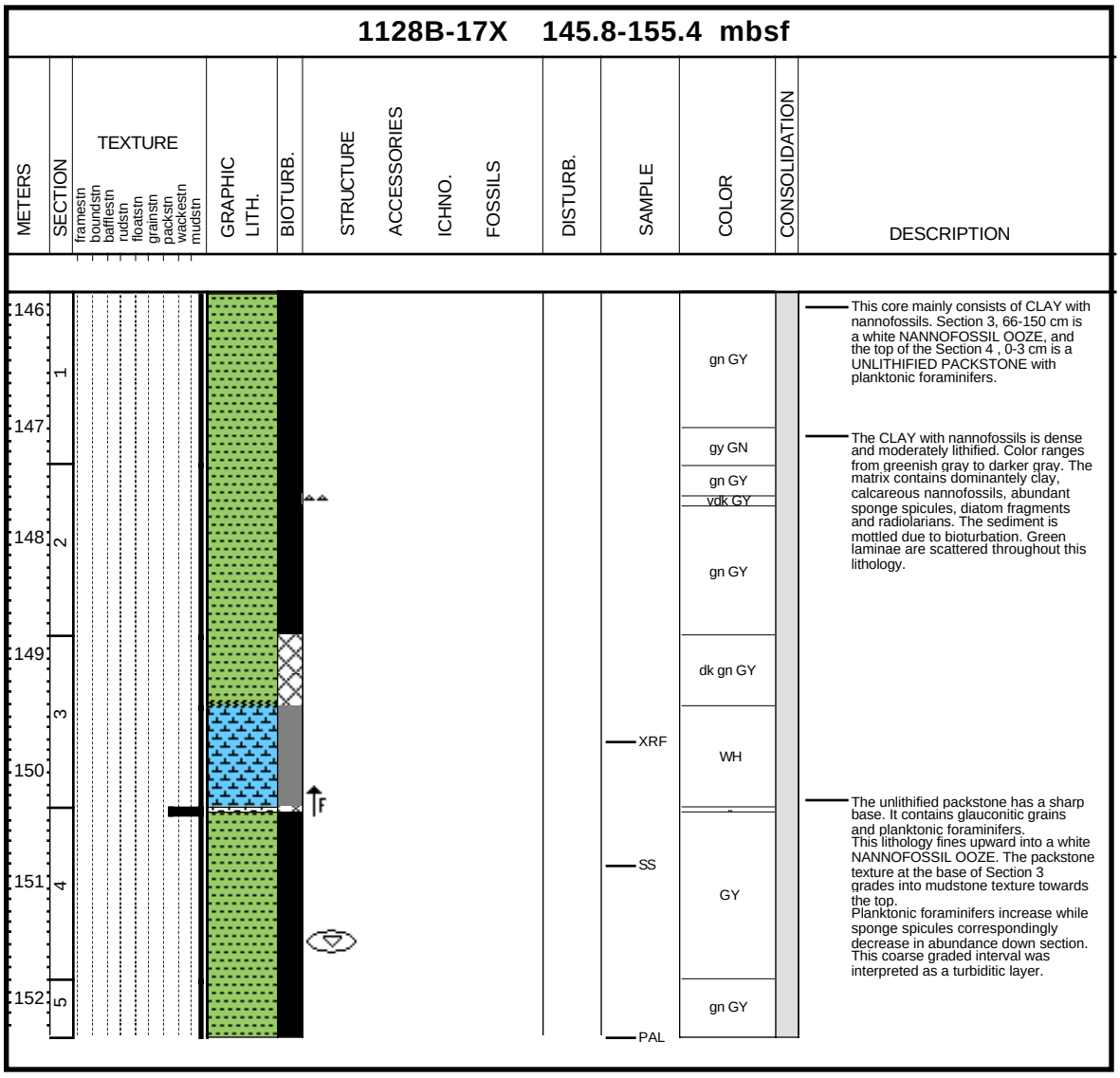
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
138
139
140
141
142
143
144
145
146
147
1
2
3
4
5
6
7
8
SS
XRF
IW
SS
PAL
med GN
mlt GN
med GN
mlt GN
med GN
mlt GN
med GN
mlt GN
lt GN
mlt GN
med GN
mlt GN
med GY
mlt GY
lt GY
mlt GY
med GY
mlt GY
gn GY
CLAY with nannofossils. This green-colored, mudstone-textured sediment is rich in sponge spicules and thoroughly burrowed. The accessory mud-size particles are sponge spicules, diatoms with lesser bioclasts, discoasters and radiolarians.
A silicified layer.

Core Photo


1128B-17X 145.8-155.4 mbsf
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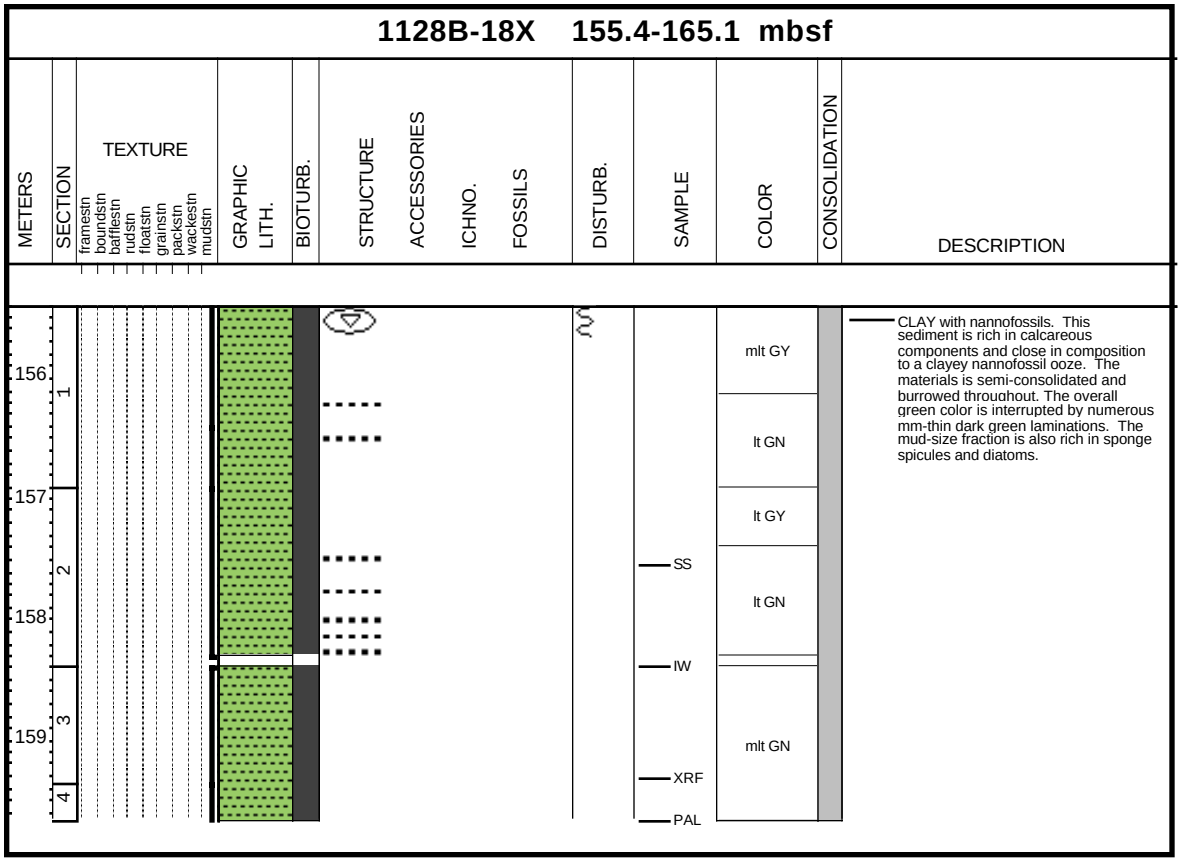
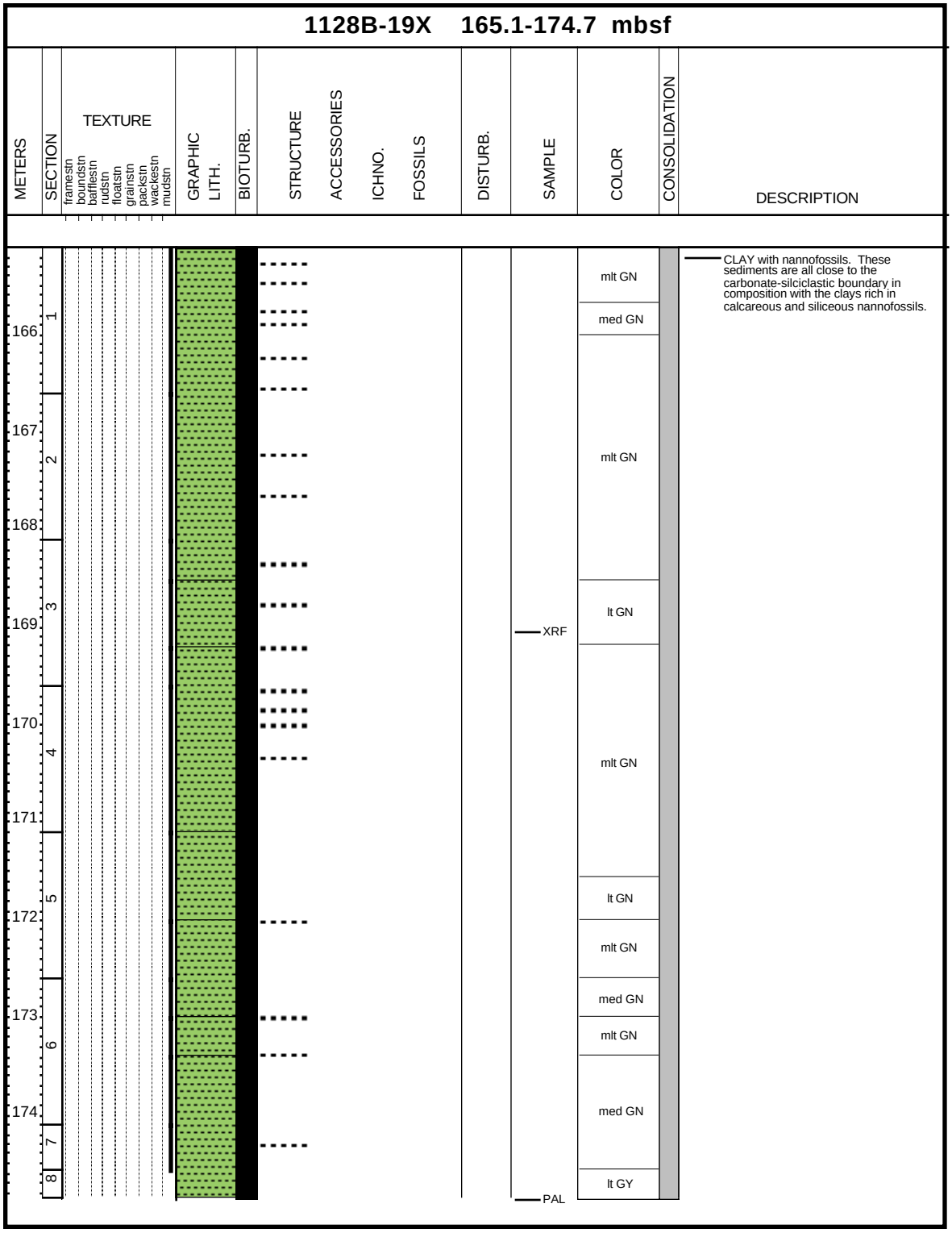
boundstn
bafflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
146
147
148
149
150
151
152
1
2
3
4
5
gn GY
gy GN
gn GY
vdk GY
gn GY
dk gn GY
WH
GY
gn GY
XRF
SS
PAL
F
This core mainly consists of CLAY with nannofossils. Section 3, 66-150 cm is a white NANNOFOSSIL OOZE, and the top of the Section 4 , 0-3 cm is a UNLITHIFIED PACKSTONE with planktonic foraminifers.
The CLAY with nannofossils is dense and moderately lithified. Color ranges from greenish gray to darker gray. The matrix contains dominantely clay, calcareous nannofossils, abundant sponge spicules, diatom fragments and radiolarians. The sediment is mottled due to bioturbation. Green laminae are scattered throughout this lithology.
The unlithified packstone has a sharp base. It contains glauconitic grains and planktonic foraminifers.
This lithology fines upward into a white NANNOFOSSIL OOZE. The packstone texture at the base of Section 3 grades into mudstone texture towards the top.
Planktonic foraminifers increase while sponge spicules correspondingly decrease in abundance down section.
This coarse graded interval was interpreted as a turbiditic layer.

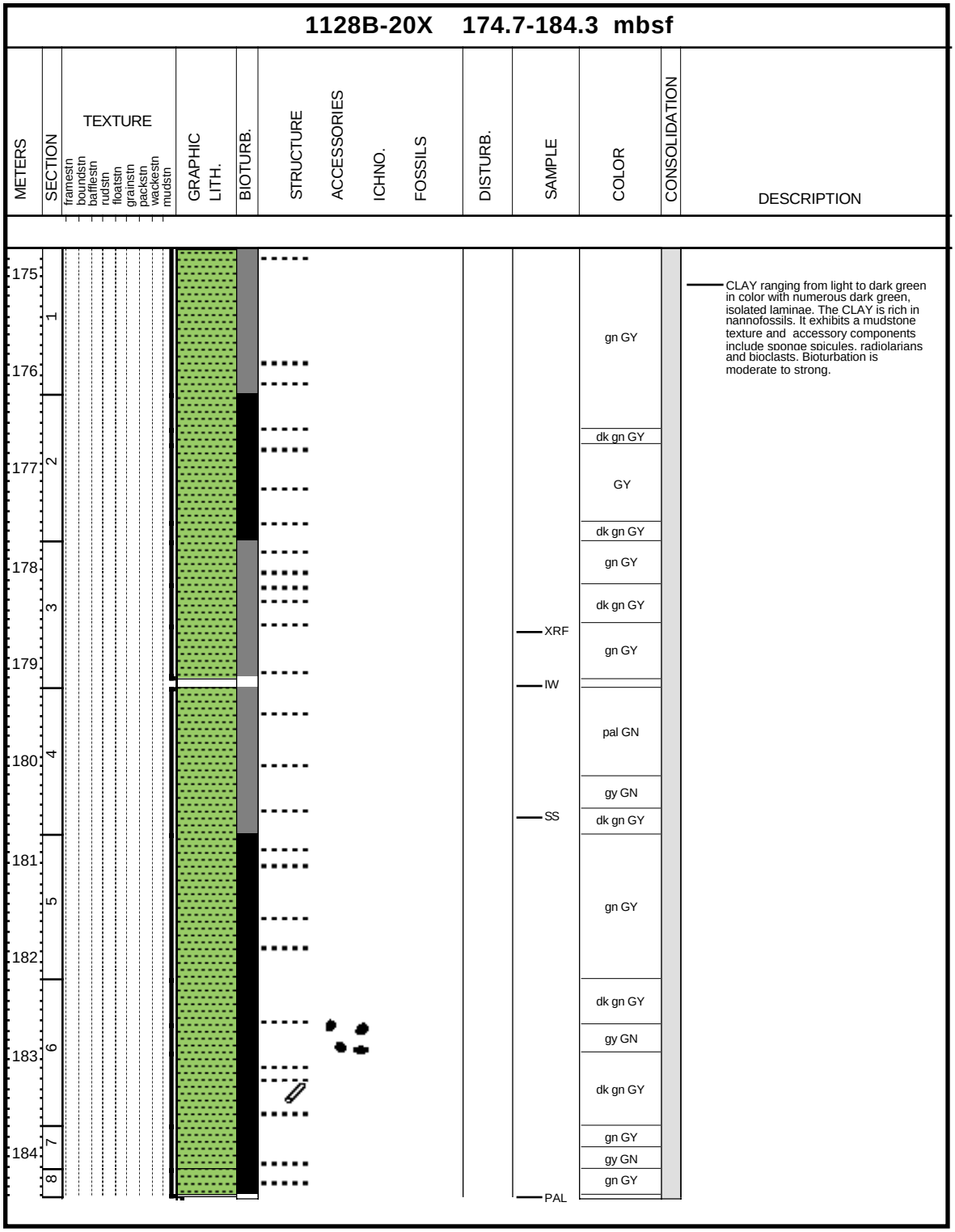
Core Photo


1128B-18X 155.4-165.1 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
156
157
158
159
1
2
3
4
SS
IW
XRF
PAL
mlt GY
lt GN
lt GY
lt GN
mlt GN
CLAY with nannofossils. This sediment is rich in calcareous components and close in composition to a clayey nannofossil ooze. The materials is semi-consolidated and burrowed throughout. The overall green color is interrupted by numerous mm-thin dark green laminations. The mud-size fraction is also rich in sponge spicules and diatoms.

Core Photo

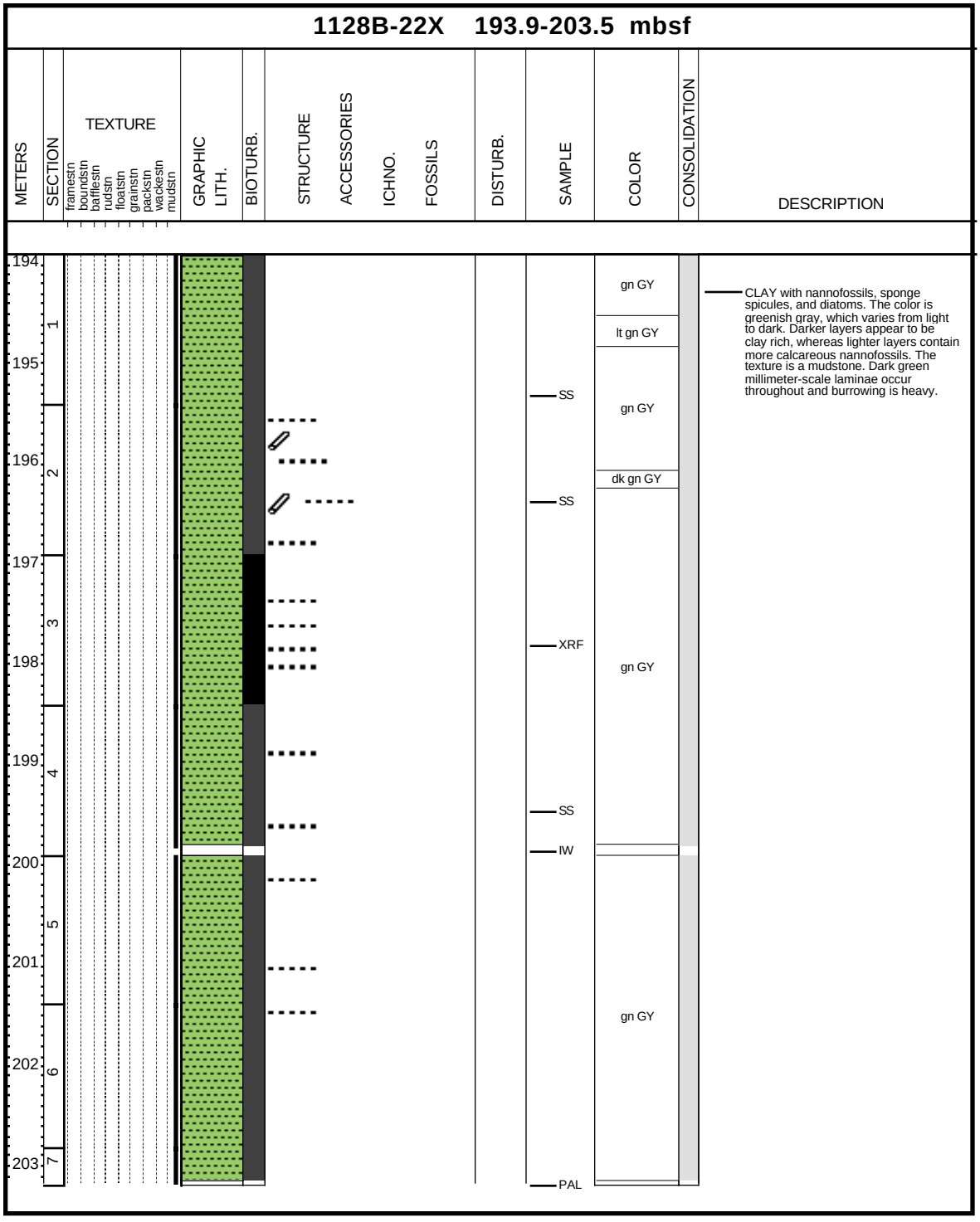

1128B-19X 165.1-174.7 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
166
167
168
169
170
171
172
173
174
1
2
3
4
5
6
7
8
XRF
PAL
mlt GN
med GN
mlt GN
lt GN
mlt GN
lt GN
mlt GN
med GN
mlt GN
med GN
lt GY
CLAY with nannofossils. These sediments are all close to the carbonate-silciclastic boundary in composition with the clays rich in calcareous and siliceous nannofossils.

Core Photo

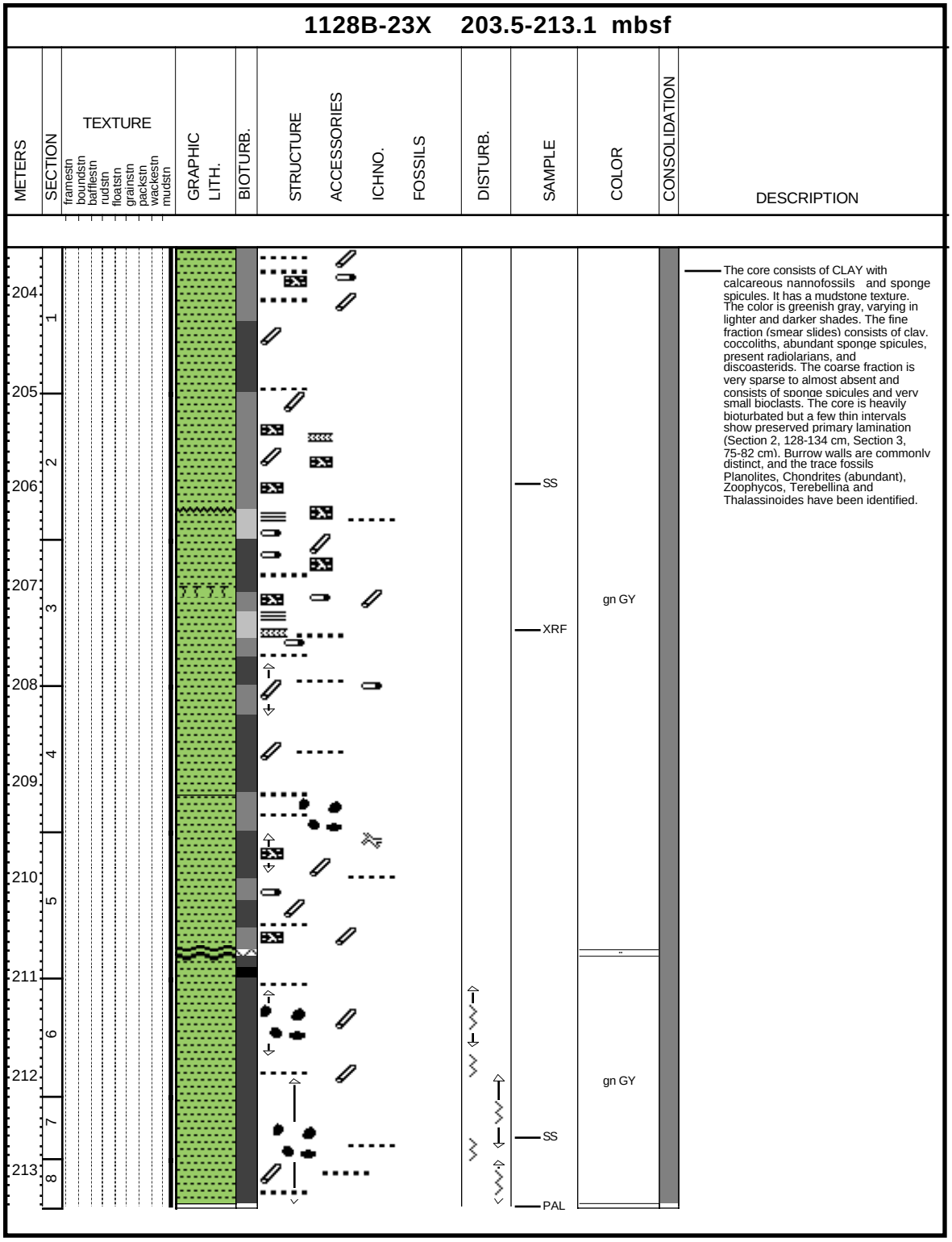


1128B-21X NO RECOVERY

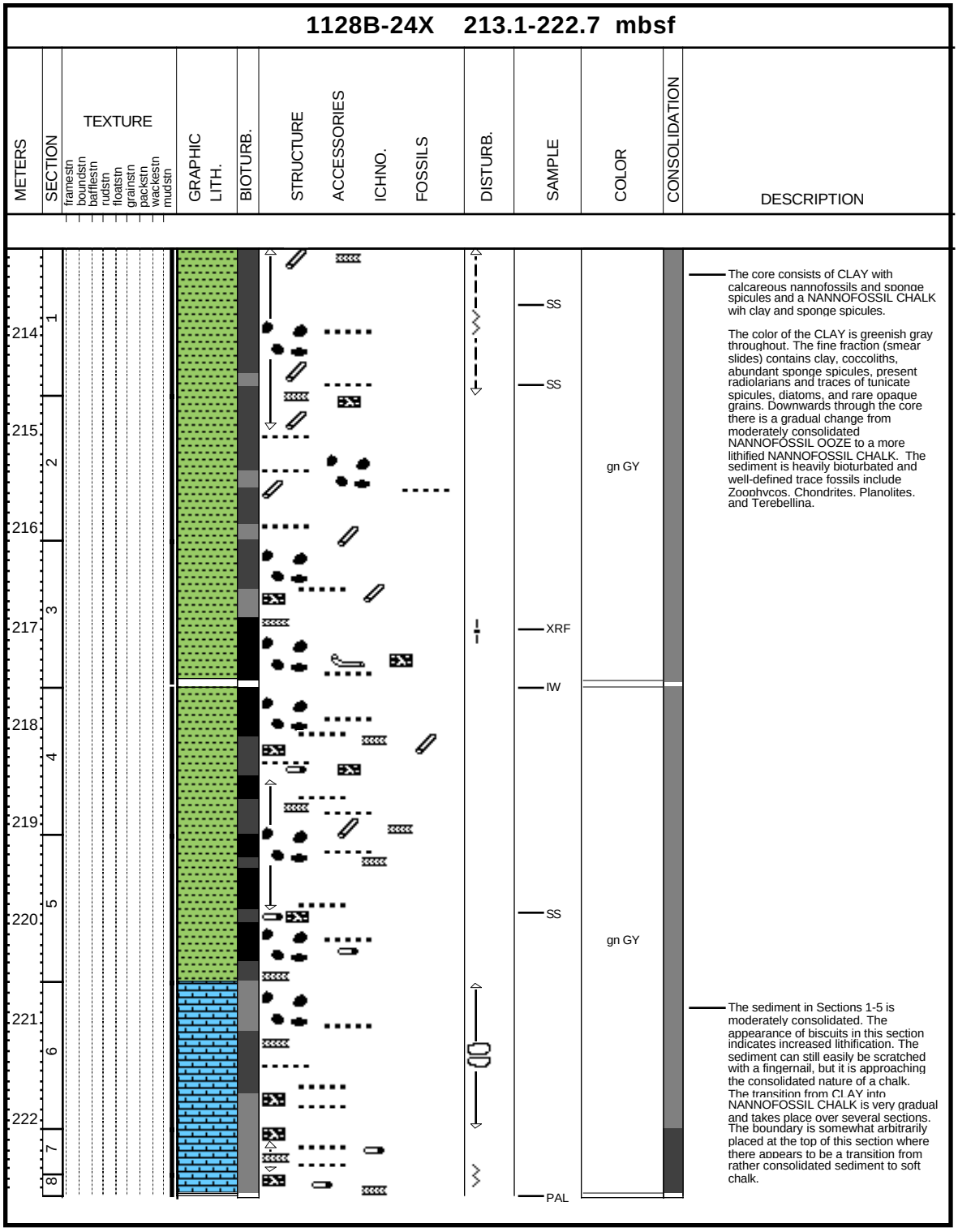
Core Photo


1128B-22X 193.9-203.5 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
194
195
196
197
198
199
200
201
202
203
1
2
3
4
5
6
7
SS
SS
XRF
SS
IW
PAL
gn GY
lt gn GY
gn GY
dk gn GY
gn GY
gn GY
CLAY with nannofossils, sponge spicules, and diatoms. The color is greenish gray, which varies from light to dark. Darker layers appear to be clay rich, whereas lighter layers contain more calcareous nannofossils. The texture is a mudstone. Dark green millimeter-scale laminae occur throughout and burrowing is heavy.

Core Photo


1128B-23X 203.5-213.1 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
204
205
206
207
208
209
210
211
212
213
SS
XRF
SS
PAL
gn GY
gn GY
The core consists of CLAY with calcareous nannofossils and sponge spicules. It has a mudstone texture. The color is greenish gray, varying in lighter and darker shades. The fine fraction (smear slides) consists of clay, coccoliths, abundant sponge spicules, present radiolarians, and discoasterids. The coarse fraction is very sparse to almost absent and consists of sponge spicules and very small bioclasts. The core is heavily bioturbated but a few thin intervals show preserved primary lamination (Section 2, 128-134 cm, Section 3, 75-82 cm). Burrow walls are commonly distinct, and the trace fossils Planolites, Chondrites (abundant), Zoophycos, Terebellina and Thalassinoides have been identified.

Core Photo


1128B-24X 213.1-222.7 mbsf
METERS
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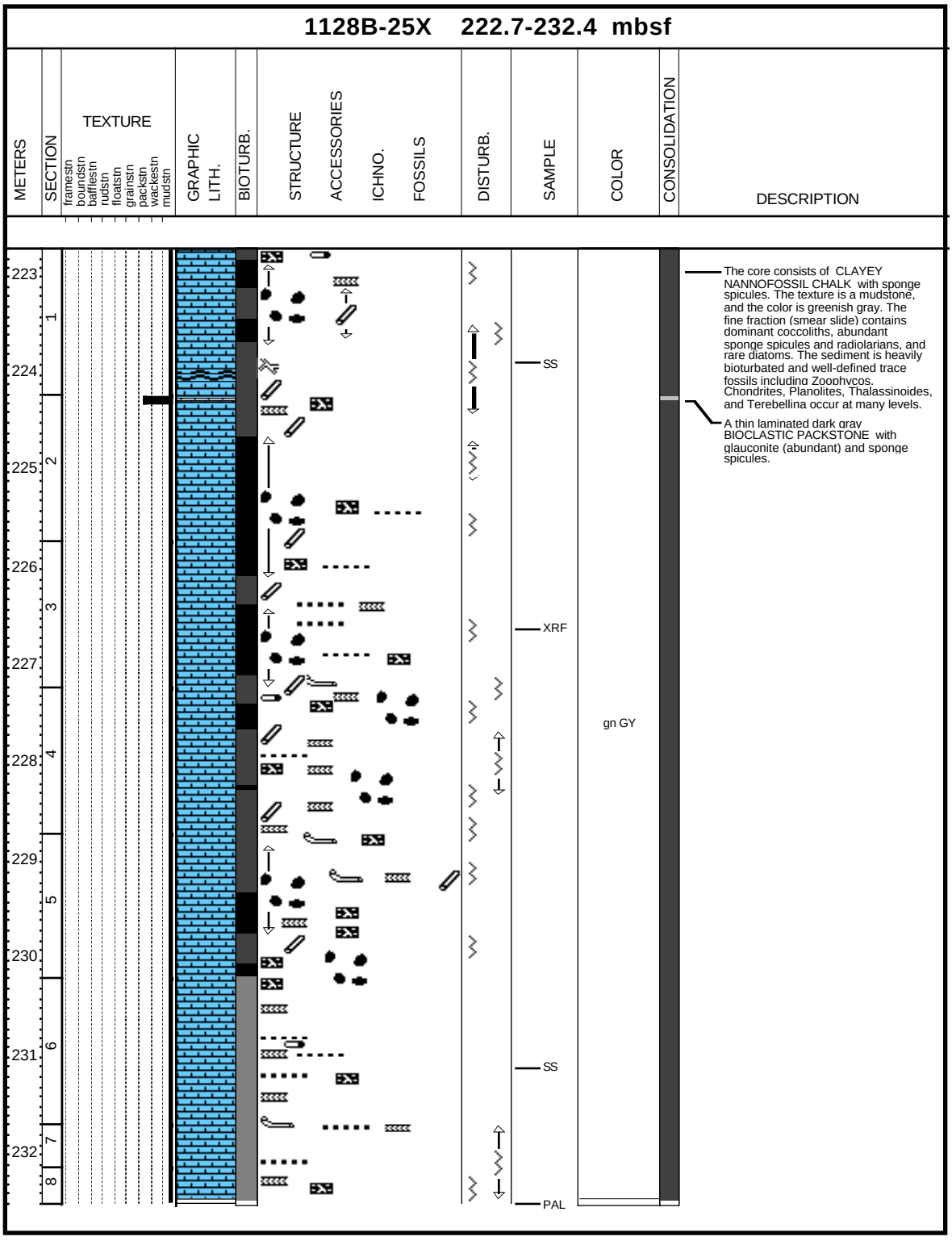
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
214
215
216
217
218
219
220
221
222
1
2
3
4
5
6
7
8
SS
SS
XRF
IW
SS
PAL
gn GY
gn GY
The core consists of CLAY with calcareous nannofossils and sponge spicules and a NANNOFOSSIL CHALK wih clay and sponge spicules.
The color of the CLAY is greenish gray throughout. The fine fraction (smear slides) contains clay, coccoliths, abundant sponge spicules, present radiolarians and traces of tunicate spicules, diatoms, and rare opaque grains. Downwards through the core there is a gradual change from moderately consolidated NANNOFOSSIL OOZE to a more lithified NANNOFOSSIL CHALK. The sediment is heavily bioturbated and well-defined trace fossils include Zoophycos, Chondrites, Planolites, and Terebellina.
The sediment in Sections 1-5 is moderately consolidated. The appearance of biscuits in this section indicates increased lithification. The sediment can still easily be scratched with a fingernail, but it is approaching the consolidated nature of a chalk. The transition from CLAY into NANNOFOSSIL CHALK is very gradual and takes place over several sections. The boundary is somewhat arbitrarily placed at the top of this section where there appears to be a transition from rather consolidated sediment to soft chalk.

Core Photo


1128B-25X 222.7-232.4 mbsf
METERS
SECTION
TEXTURE
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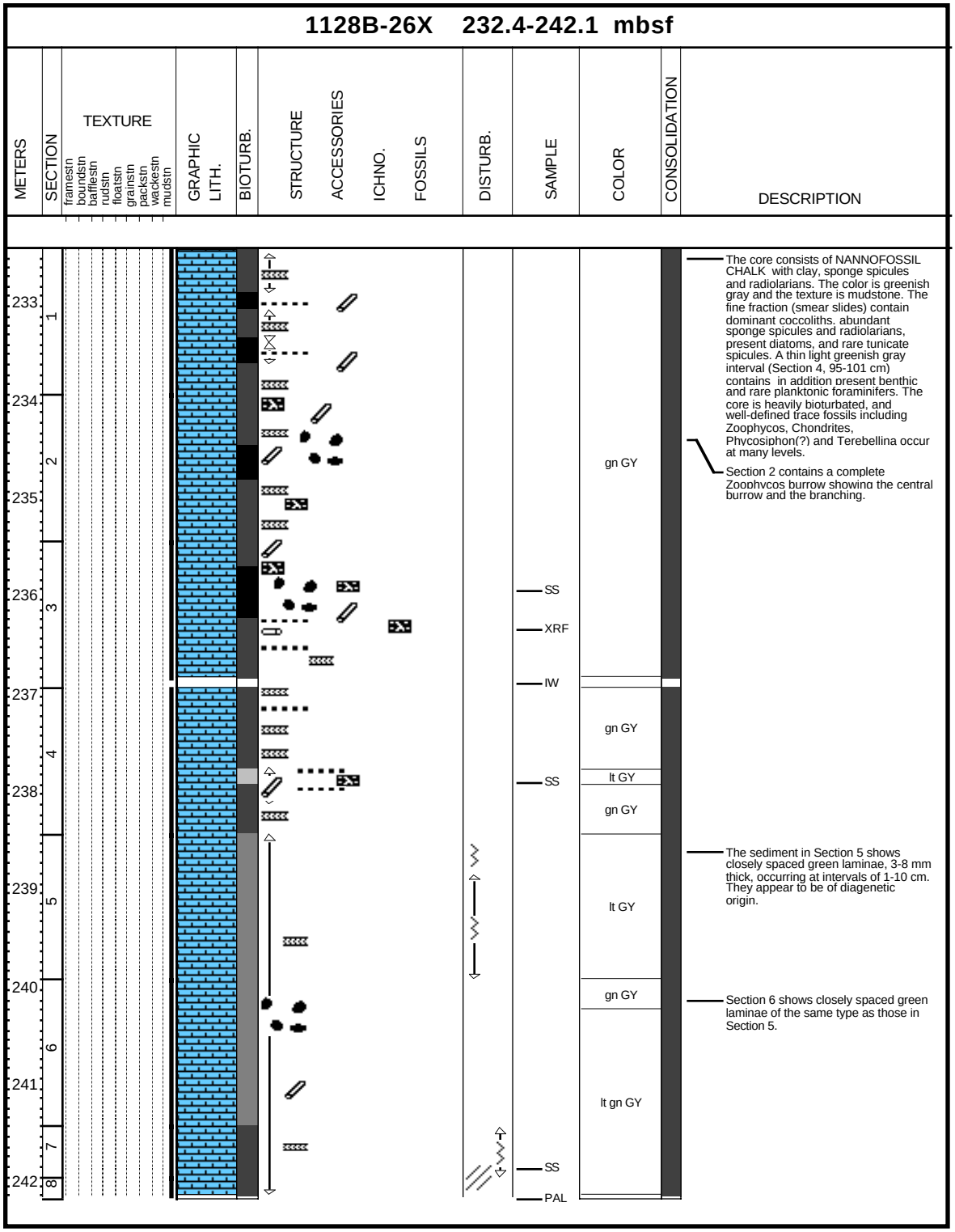
boundstn
baffestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
223
224
225
226
227
228
229
230
231
232
1
2
3
4
5
6
7
8
SS
XRF
SS
PAL
gn GY
The core consists of CLAYEY NANNOFOSSIL CHALK with sponge spicules. The texture is a mudstone, and the color is greenish gray. The fine fraction (smear slide) contains dominant coccoliths, abundant sponge spicules and radiolarians, and rare diatoms. The sediment is heavily bioturbated and well-defined trace fossils including Zoophycos, Chondrites, Planolites, Thalassinoides, and Terebellina occur at many levels.
A thin laminated dark gray BIOCLASTIC PACKSTONE with glauconite (abundant) and sponge spicules.

Core Photo


1128B-26X 232.4-242.1 mbsf
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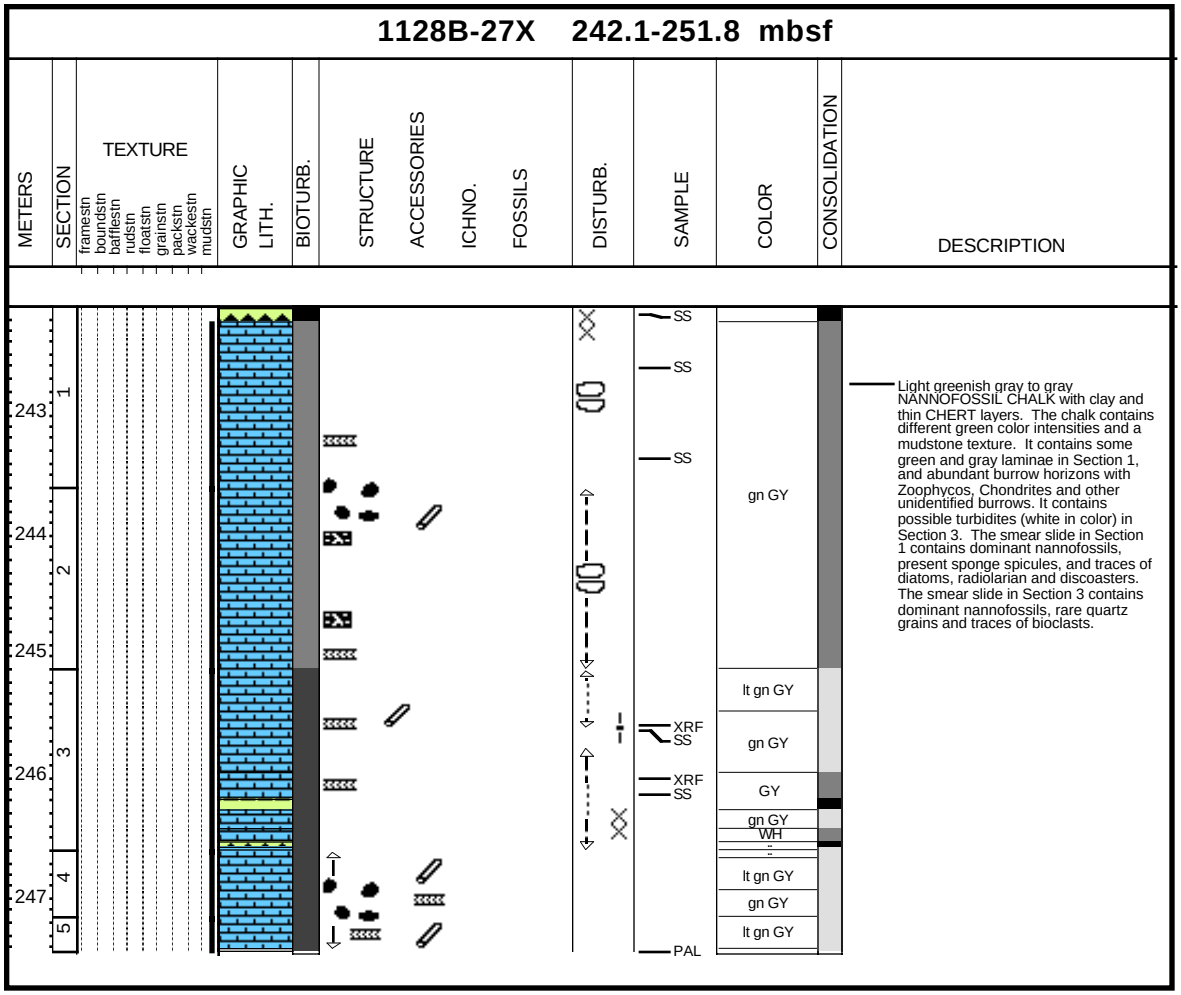
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
233
234
235
236
237
238
239
240
241
242
1
2
3
4
5
6
7
8
SS
XRF
IW
SS
SS
PAL
gn GY
gn GY
lt GY
gn GY
lt GY
gn GY
lt gn GY
The core consists of NANNOFOSSIL CHALK with clay, sponge spicules and radiolarians. The color is greenish gray and the texture is mudstone. The fine fraction (smear slides) contain dominant coccoliths, abundant sponge spicules and radiolarians, present diatoms, and rare tunicate spicules. A thin light greenish gray interval (Section 4, 95-101 cm) contains in addition present benthic and rare planktonic foraminifers. The core is heavily bioturbated, and well-defined trace fossils including Zoophycos, Chondrites, Phycosiphon(?) and Terebellina occur at many levels.
Section 2 contains a complete Zoophycos burrow showing the central burrow and the branching.
The sediment in Section 5 shows closely spaced green laminae, 3-8 mm thick, occurring at intervals of 1-10 cm. They appear to be of diagenetic origin.
Section 6 shows closely spaced green laminae of the same type as those in Section 5.

Core Photo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METERS
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TEXTURE
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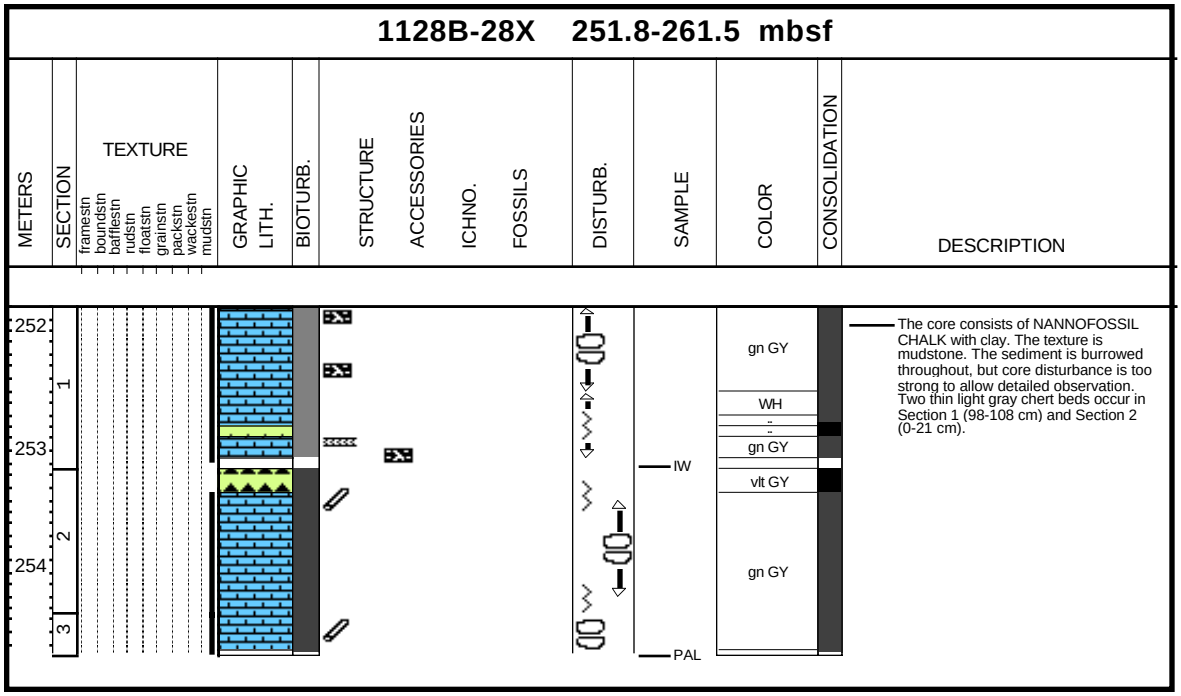
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
243
244
245
246
247
1
2
3
4
5
SS
SS
SS
XRF
SS
XRF
SS
PAL
gn GY
lt gn GY
gn GY
GY
gn GY
WH
lt gn GY
gn GY
lt gn GY
Light greenish gray to gray NANNOFOSSIL CHALK with clay and thin CHERT layers. The chalk contains different green color intensities and a mudstone texture. It contains some green and gray laminae in Section 1, and abundant burrow horizons with Zoophycos, Chondrites and other unidentified burrows. It contains possible turbidites (white in color) in Section 3. The smear slide in Section 1 contains dominant nannofossils, present sponge spicules, and traces of diatoms, radiolarian and discoasters. The smear slide in Section 3 contains dominant nannofossils, rare quartz grains and traces of bioclasts.

Core Photo


1128B-28X 251.8-261.5 mbsf
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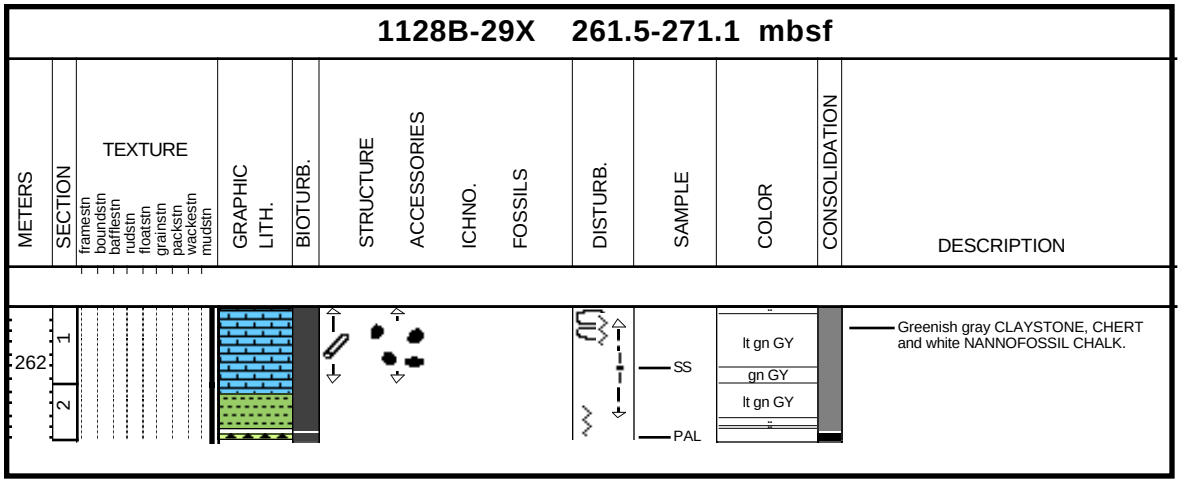
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
252
253
254
1
2
3
IW
PAL
gn GY
WH
gn GY
vlt GY
gn GY
The core consists of NANNOFOSSIL CHALK with clay. The texture is mudstone. The sediment is burrowed throughout, but core disturbance is too strong to allow detailed observation. Two thin light gray chert beds occur in Section 1 (98-108 cm) and Section 2 (0-21 cm).

Core Photo


1128B-29X 261.5-271.1 mbsf
METERS
SECTION
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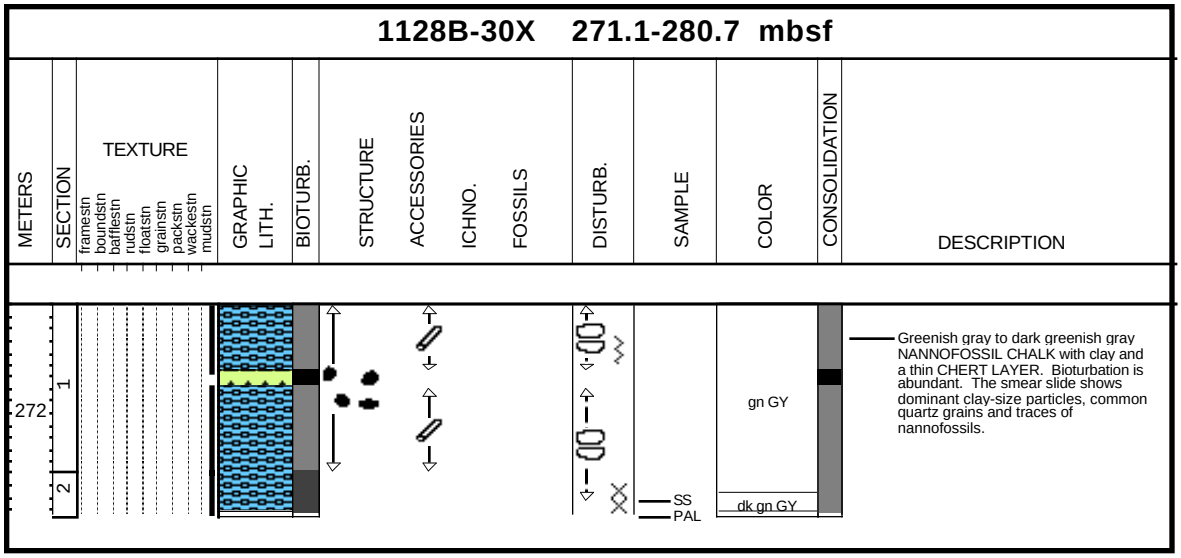
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
262
1
2
SS
PAL
lt gn GY
gn GY
lt gn GY
Greenish gray CLAYSTONE, CHERT and white NANNOFOSSIL CHALK.

Core Photo


1128B-30X 271.1-280.7 mbsf
METERS
SECTION
TEXTURE
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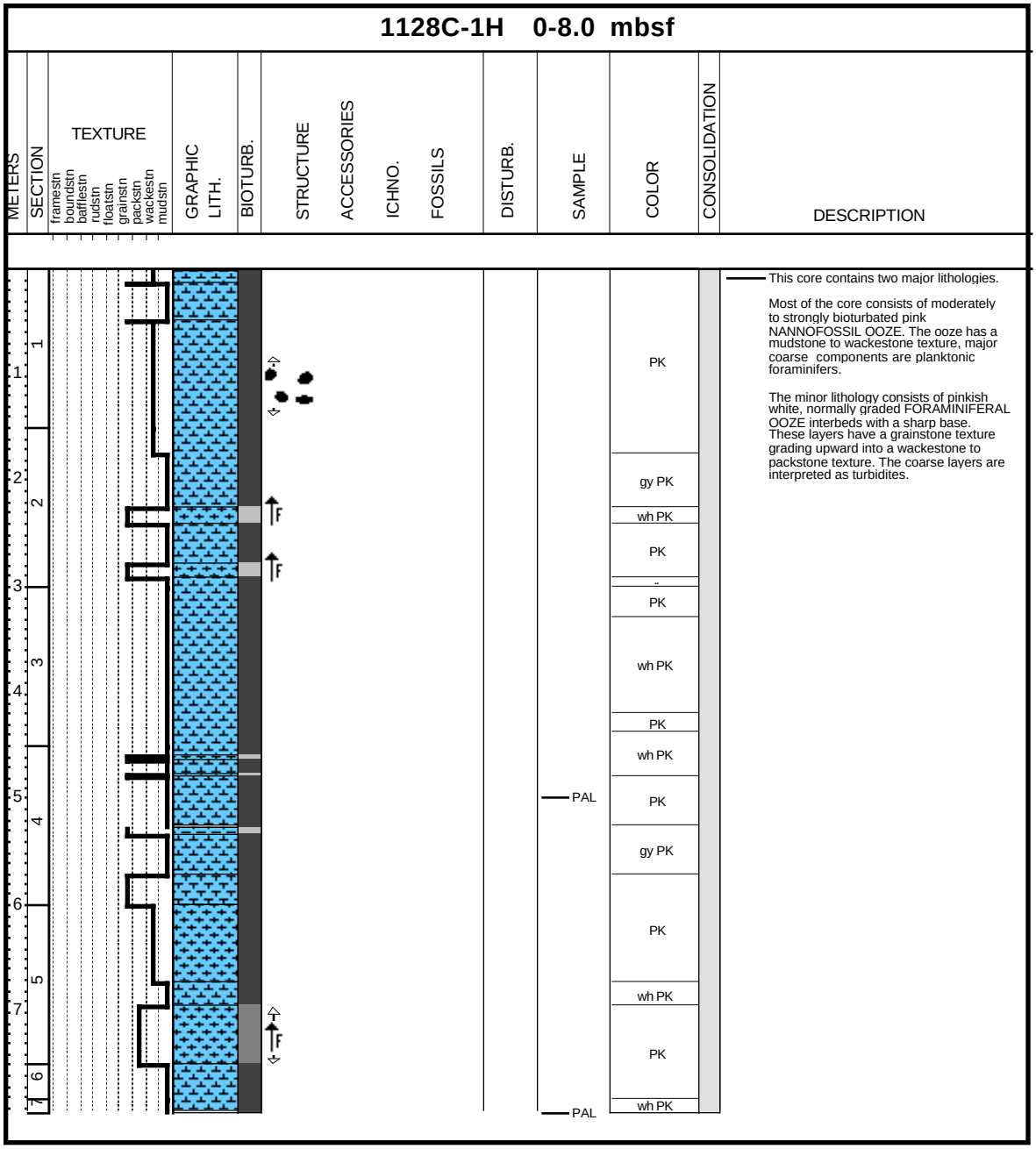
boundstn
baffllestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
272
1
2
SS
PAL
gn GY
dk gn GY
Greenish gray to dark greenish gray NANNOFOSSIL CHALK with clay and a thin CHERT LAYER. Bioturbation is abundant. The smear slide shows dominant clay-size particles, common quartz grains and traces of nannofossils.

Core Photo


1128C-1H 0-8.0 mbsf
METERS
SECTION
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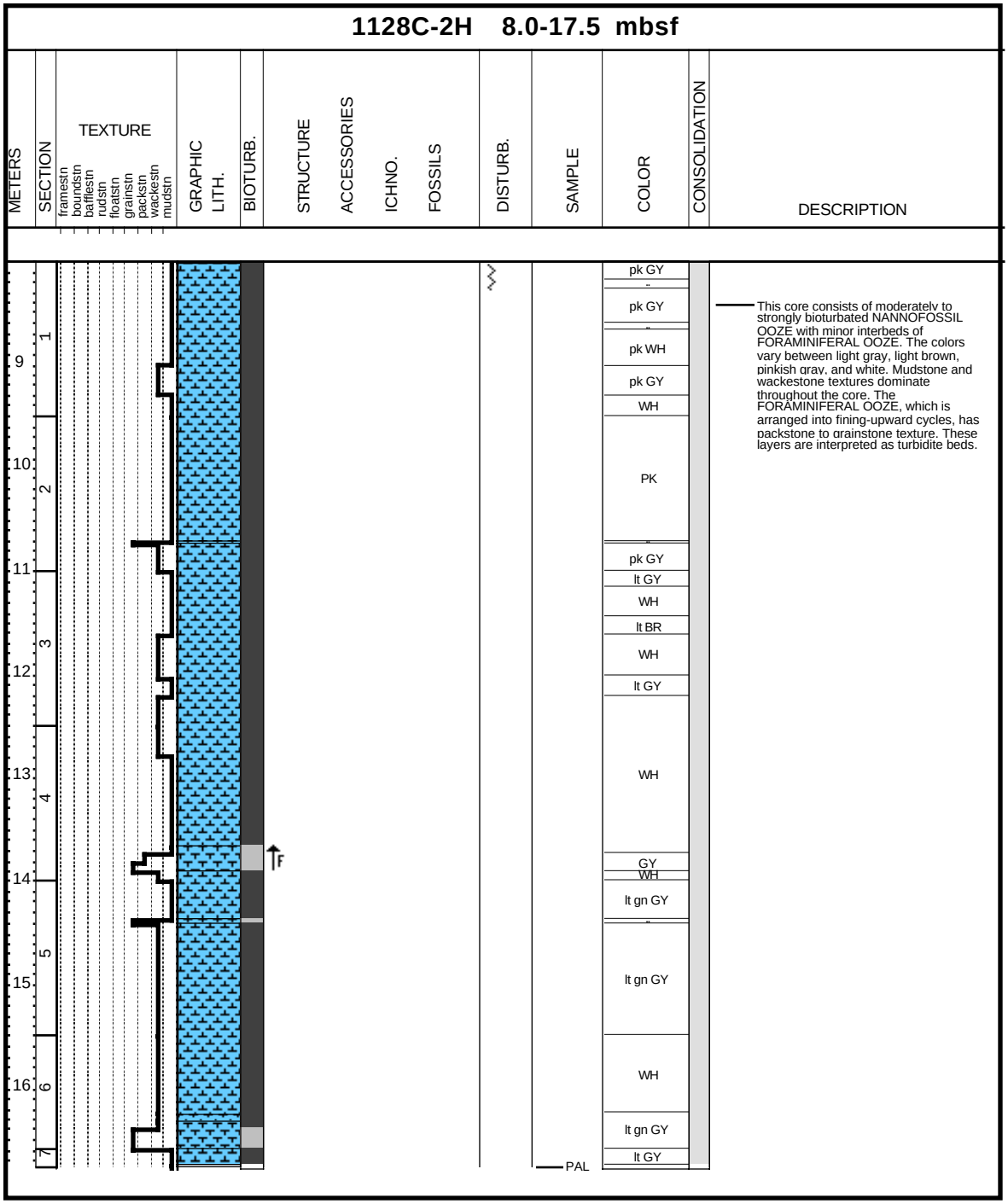
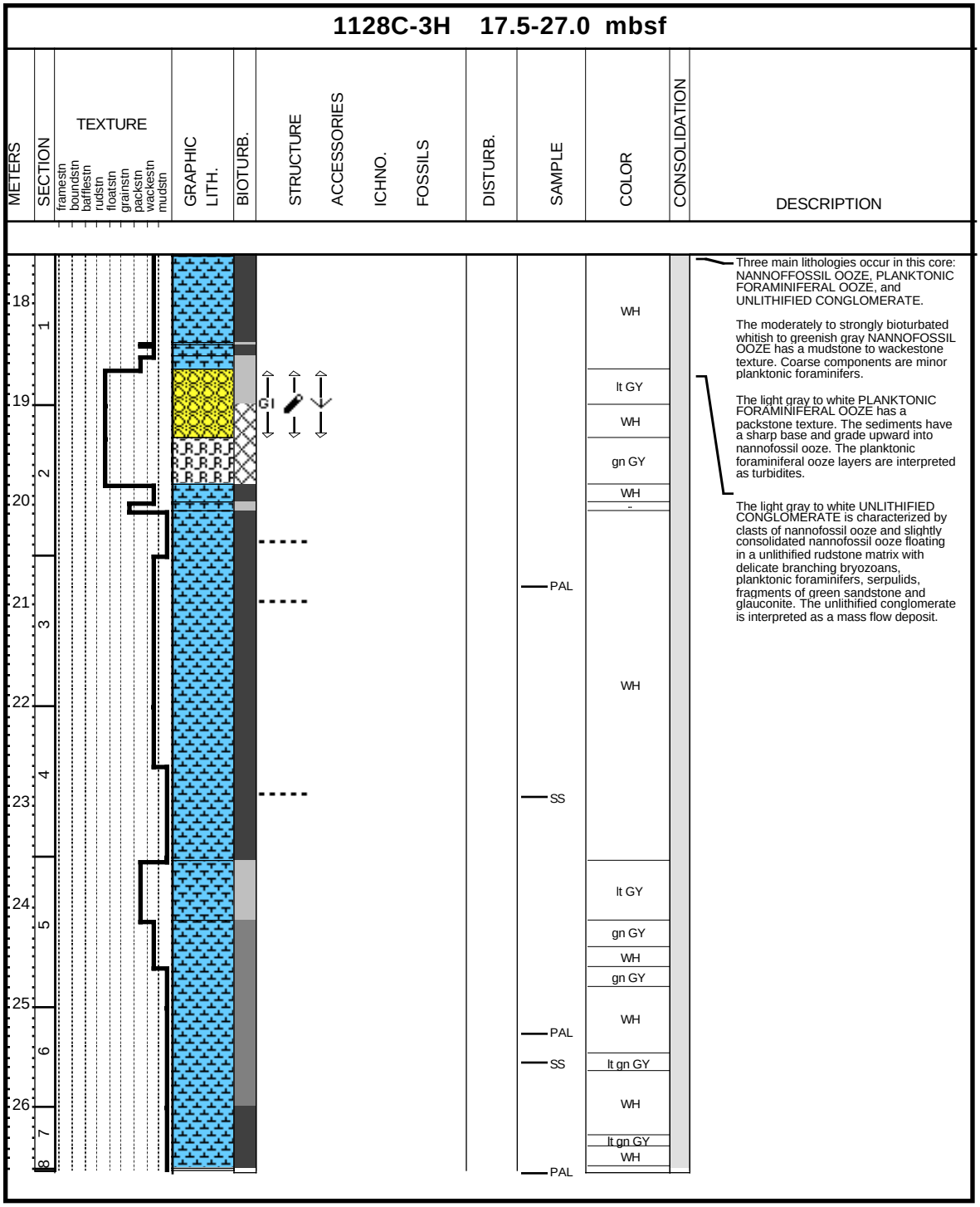
boundstn
baffliestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
PAL
PAL
PK
gy PK
wh PK
PK
PK
wh PK
PK
wh PK
PK
gy PK
PK
wh PK
PK
wh PK
This core contains two major lithologies.
Most of the core consists of moderately to strongly bioturbated pink NANNOFOSSIL OOZE. The ooze has a mudstone to wackestone texture, major coarse components are planktonic foraminifers.
The minor lithology consists of pinkish white, normally graded FORAMINIFERAL OOZE interbeds with a sharp base. These layers have a grainstone texture grading upward into a wackestone to packstone texture. The coarse layers are interpreted as turbidites.

Core Photo


1128C-2H 8.0-17.5 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
pk GY
pk GY
pk WH
pk GY
WH
PK
pk GY
lt GY
WH
lt BR
WH
lt GY
WH
GY
WH
lt gn GY
lt gn GY
WH
lt gn GY
lt GY
PAL
This core consists of moderately to strongly bioturbated NANNOFOSSIL OOZE with minor interbeds of FORAMINIFERAL OOZE. The colors vary between light gray, light brown, pinkish gray, and white. Mudstone and wackestone textures dominate throughout the core. The FORAMINIFERAL OOZE, which is arranged into fining-upward cycles, has packstone to grainstone texture. These layers are interpreted as turbidite beds.

Core Photo


1128C-3H 17.5-27.0 mbsf
METERS
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TEXTURE
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boundstn
baffllestn
rudstn
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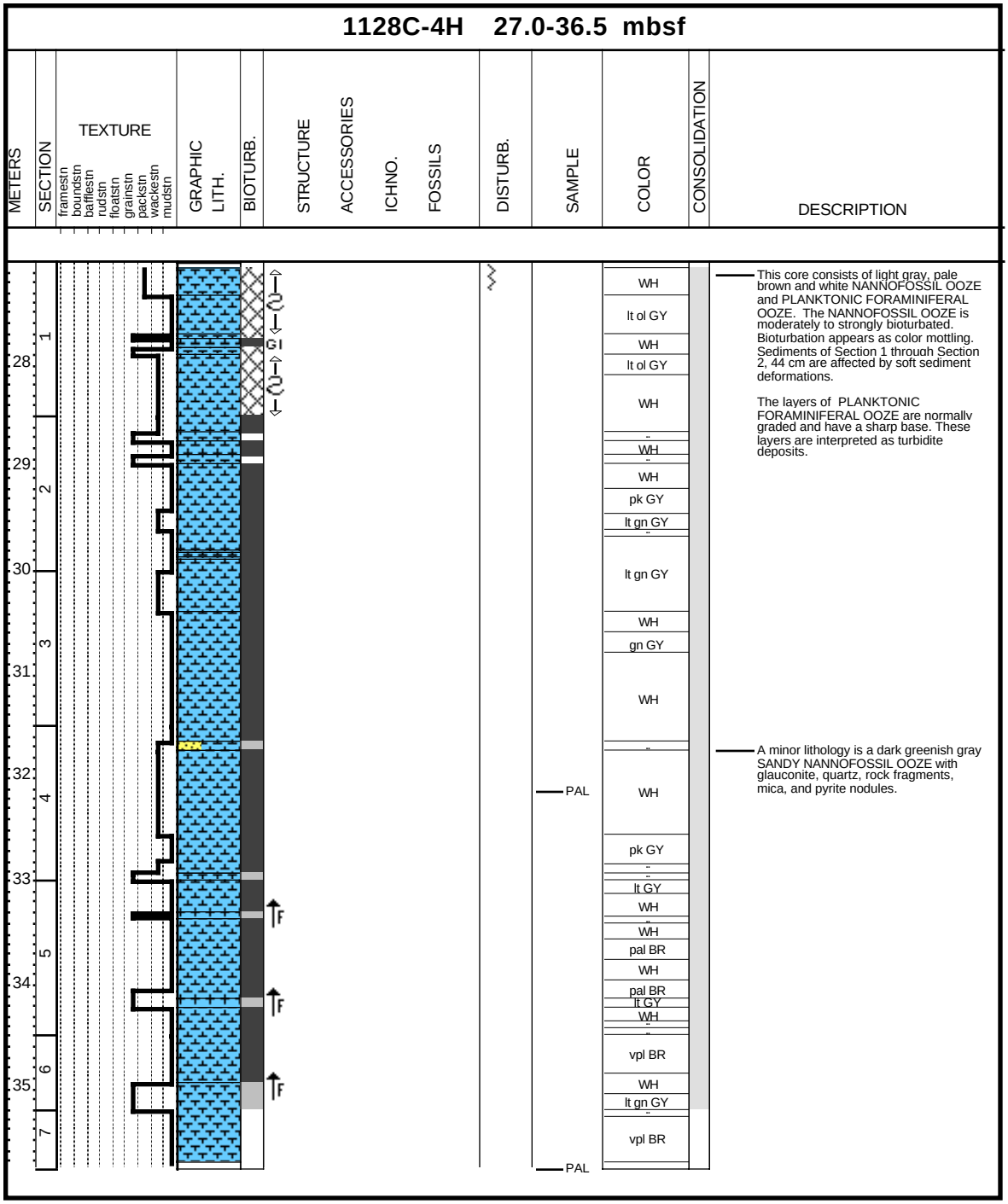
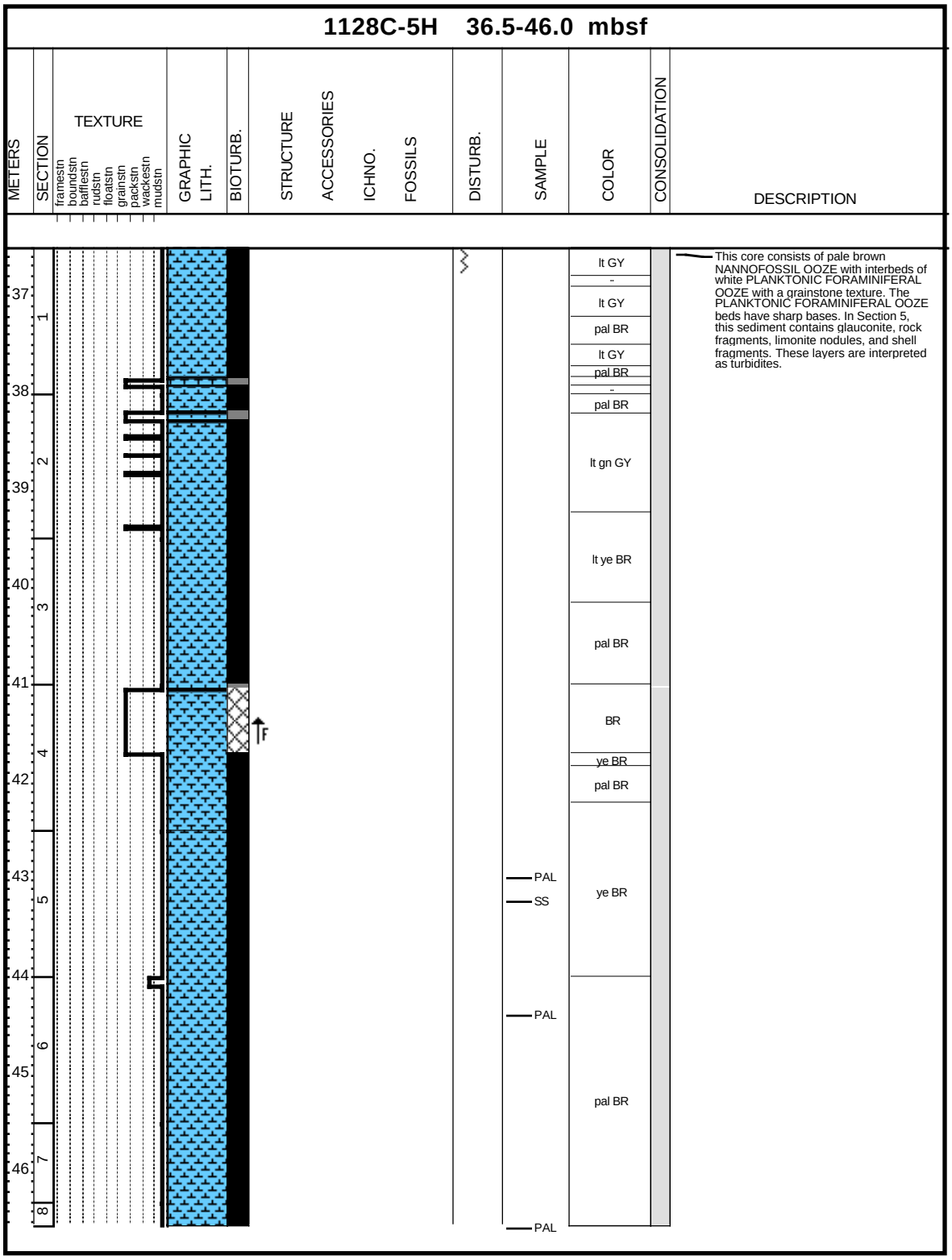
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
18
19
20
21
22
23
24
25
26
1
2
3
4
5
6
7
8
GI
PAL
SS
PAL
SS
PAL
WH
lt GY
WH
gn GY
WH
WH
lt GY
gn GY
WH
gn GY
WH
lt gn GY
WH
lt gn GY
WH
Three main lithologies occur in this core: NANNOFFOSSIL OOZE, PLANKTONIC FORAMINIFERAL OOZE, and UNLITHIFIED CONGLOMERATE.
The moderately to strongly bioturbated whitish to greenish gray NANNOFOSSIL OOZE has a mudstone to wackestone texture. Coarse components are minor planktonic foraminifers.
The light gray to white PLANKTONIC FORAMINIFERAL OOZE has a packstone texture. The sediments have a sharp base and grade upward into nannofossil ooze. The planktonic foraminiferal ooze layers are interpreted as turbidites.
The light gray to white UNLITHIFIED CONGLOMERATE is characterized by clasts of nannofossil ooze and slightly consolidated nannofossil ooze floating in a unlithified rudstone matrix with delicate branching bryozoans, planktonic foraminifers, serpulids, fragments of green sandstone and glauconite. The unlithified conglomerate is interpreted as a mass flow deposit.

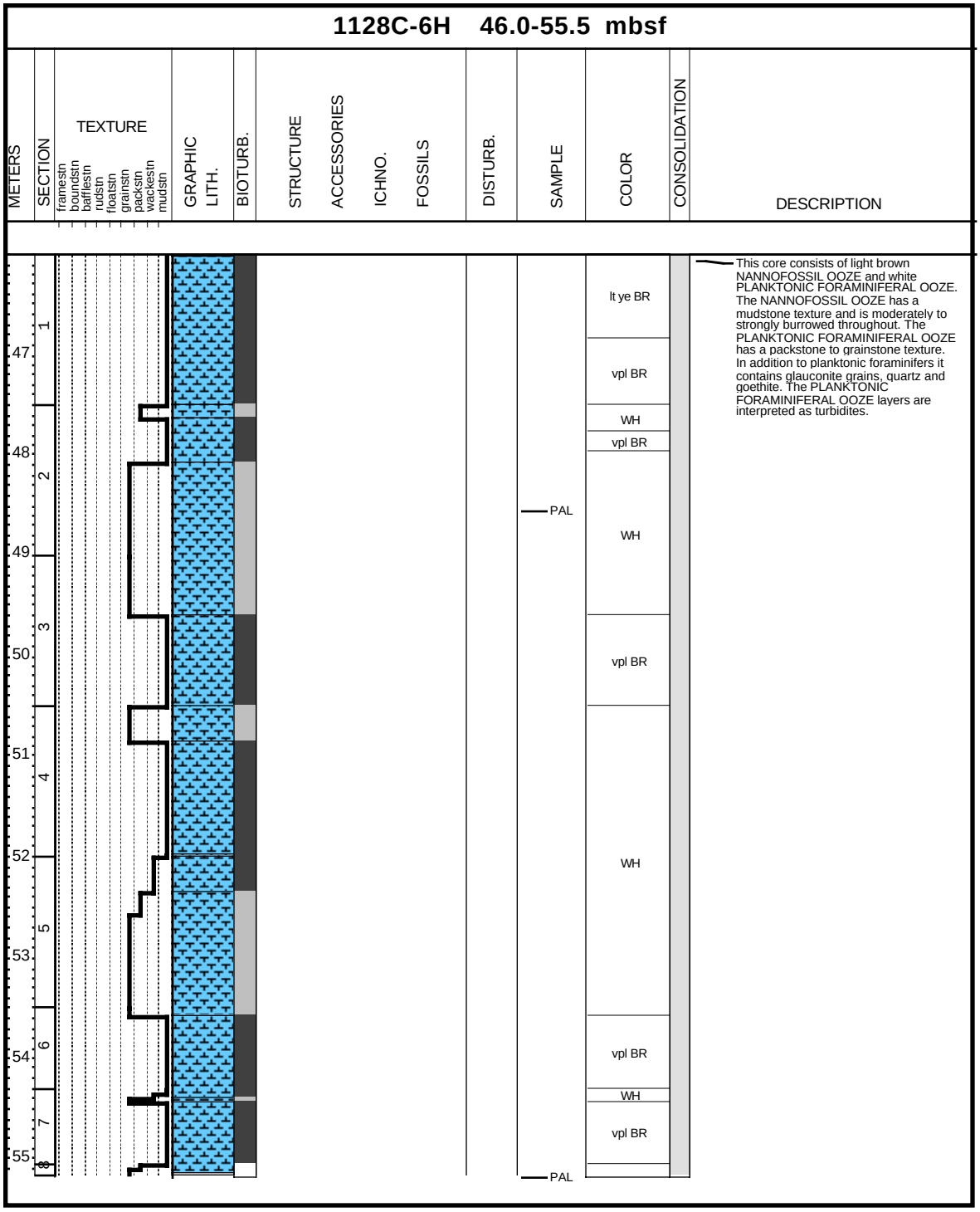
Core Photo


1128C-4H 27.0-36.5 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
28
29
30
31
32
33
34
35
1
2
3
4
5
6
7
GI
F
F
F
PAL
PAL
WH
lt ol GY
WH
lt ol GY
WH
WH
WH
pk GY
lt gn GY
lt gn GY
WH
gn GY
WH
WH
pk GY
lt GY
WH
WH
pal BR
WH
pal BR
lt GY
WH
vpl BR
WH
lt gn GY
vpl BR
This core consists of light gray, pale brown and white NANNOFOSSIL OOZE and PLANKTONIC FORAMINIFERAL OOZE. The NANNOFOSSIL OOZE is moderately to strongly bioturbated. Bioturbation appears as color mottling. Sediments of Section 1 through Section 2, 44 cm are affected by soft sediment deformations.
The layers of PLANKTONIC FORAMINIFERAL OOZE are normally graded and have a sharp base. These layers are interpreted as turbidite deposits.
A minor lithology is a dark greenish gray SANDY NANNOFOSSIL OOZE with glauconite, quartz, rock fragments, mica, and pyrite nodules.

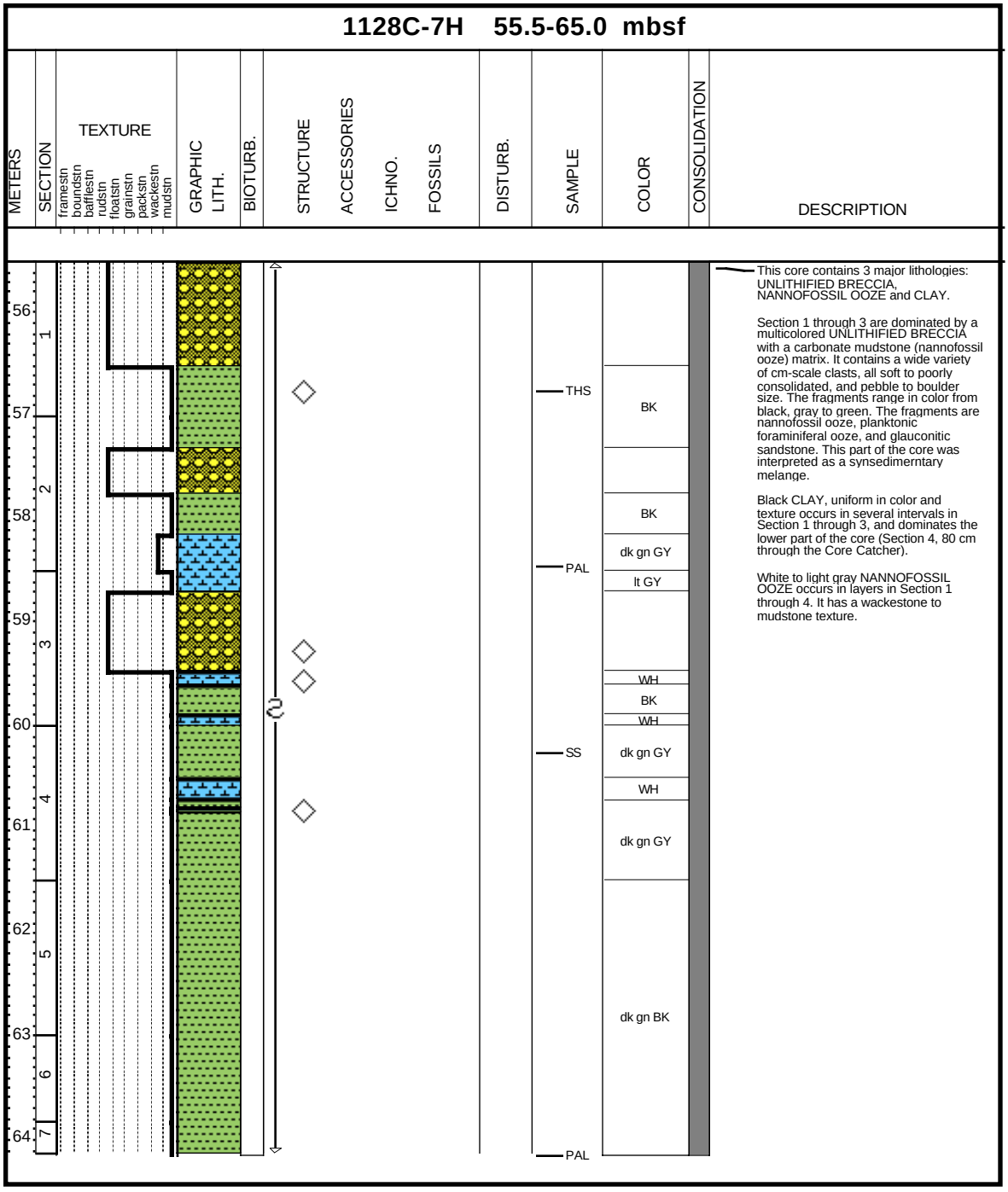
Core Photo


1128C-5H 36.5-46.0 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
37
38
39
40
41
42
43
44
45
46
1
2
3
4
5
6
7
8
F
lt GY
lt GY
pal BR
lt GY
pal BR
pal BR
lt gn GY
lt ye BR
pal BR
BR
ye BR
pal BR
ye BR
pal BR
PAL
SS
PAL
PAL
This core consists of pale brown NANNOFOSSIL OOZE with interbeds of white PLANKTONIC FORAMINIFERAL OOZE with a grainstone texture. The PLANKTONIC FORAMINIFERAL OOZE beds have sharp bases. In Section 5, this sediment contains glauconite, rock fragments, limonite nodules, and shell fragments. These layers are interpreted as turbidites.

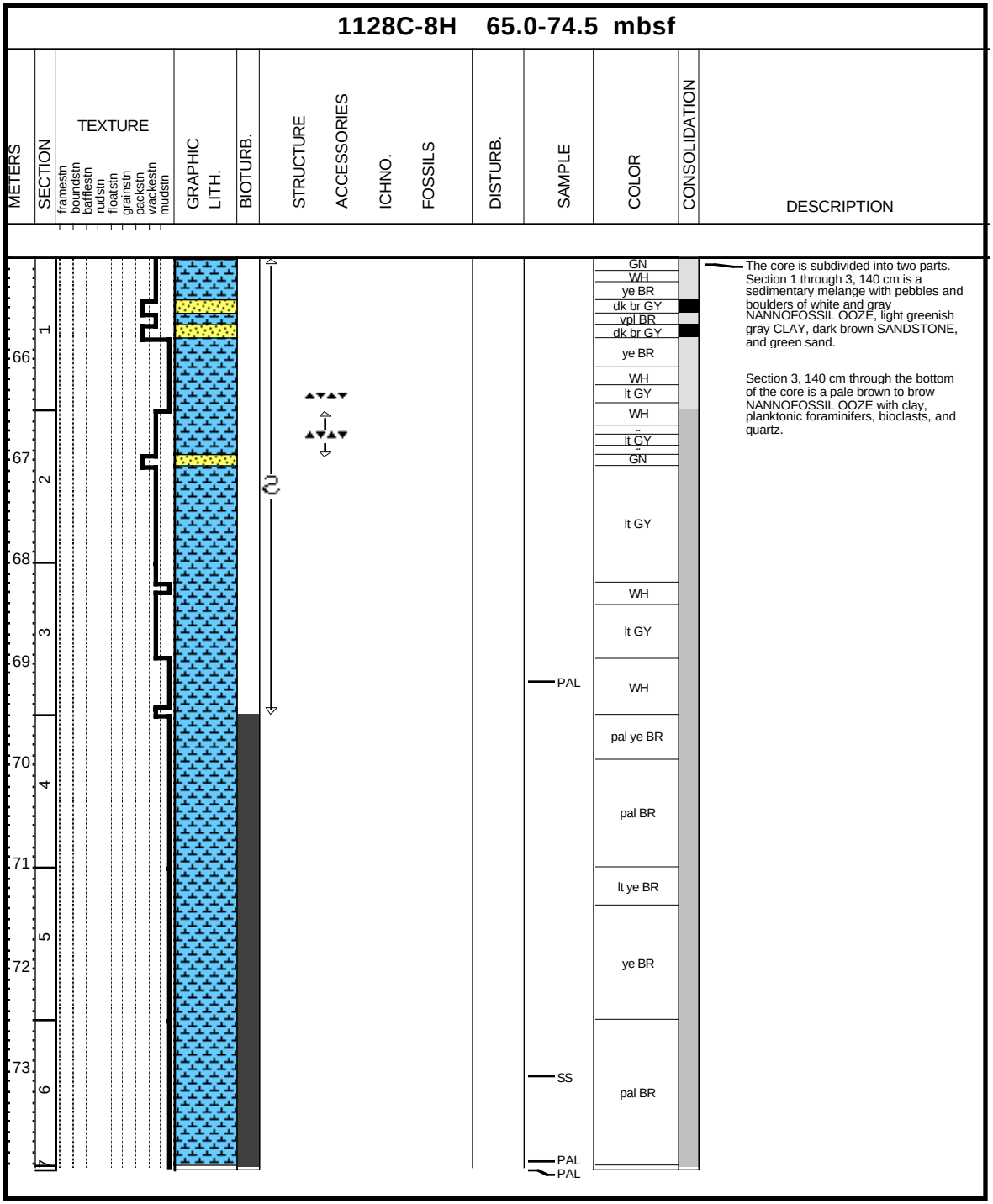
Core Photo


1128C-6H 46.0-55.5 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
47
48
49
50
51
52
53
54
55
1
2
3
4
5
6
7
8
PAL
PAL
lt ye BR
vpl BR
WH
vpl BR
WH
vpl BR
WH
vpl BR
WH
vpl BR
This core consists of light brown NANNOFOSSIL OOZE and white PLANKTONIC FORAMINIFERAL OOZE. The NANNOFOSSIL OOZE has a mudstone texture and is moderately to strongly burrowed throughout. The PLANKTONIC FORAMINIFERAL OOZE has a packstone to grainstone texture. In addition to planktonic foraminifers it contains glauconite grains, quartz and goethite. The PLANKTONIC FORAMINIFERAL OOZE layers are interpreted as turbidites.

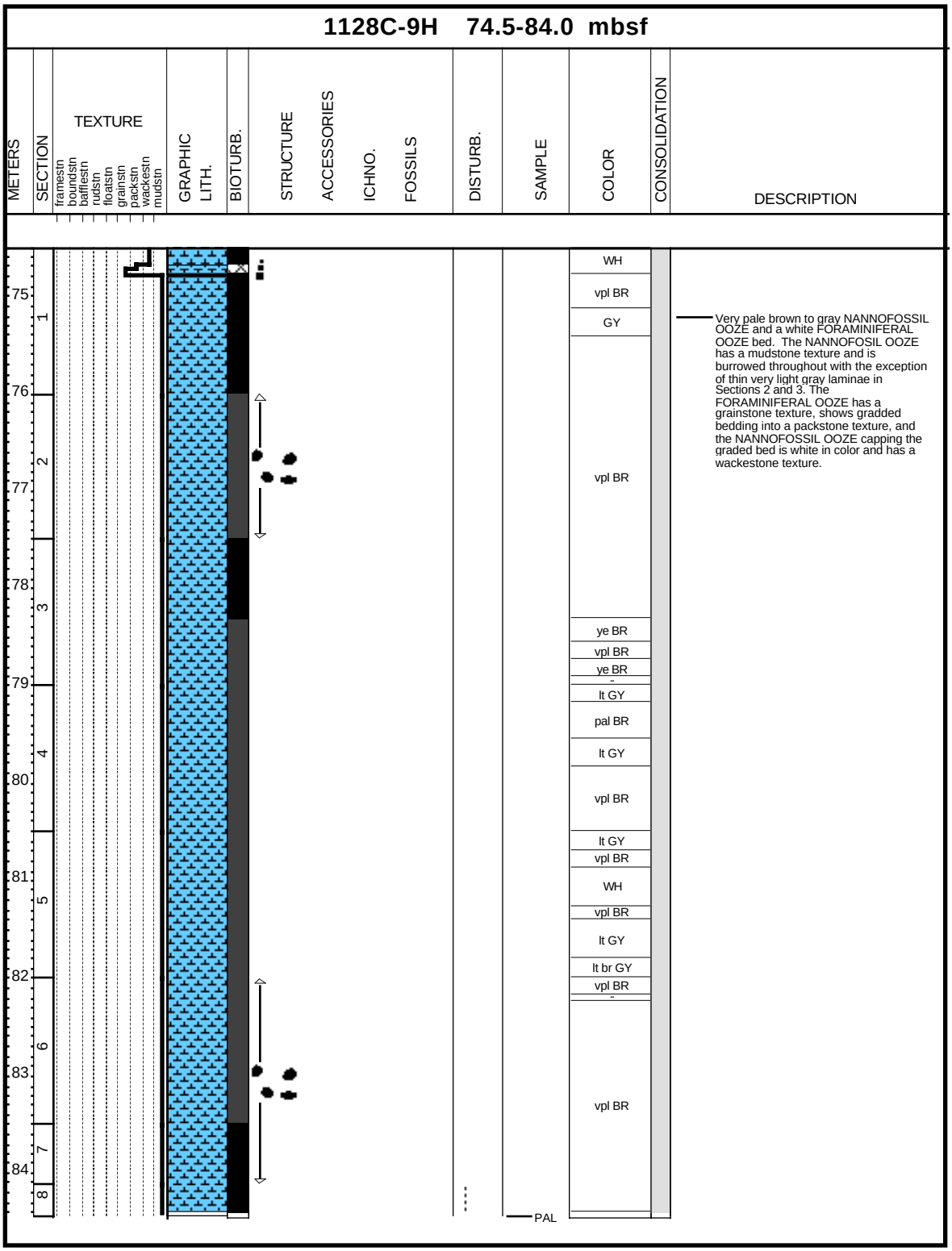
Core Photo


1128C-7H 55.5-65.0 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
56
57
58
59
60
61
62
63
64
1
2
3
4
5
6
7
THS
PAL
SS
PAL
BK
BK
dk gn GY
lt GY
WH
BK
WH
dk gn GY
WH
dk gn GY
dk gn BK
This core contains 3 major lithologies: UNLITHIFIED BRECCIA, NANNOFOSSIL OOZE and CLAY.
Section 1 through 3 are dominated by a multicolored UNLITHIFIED BRECCIA with a carbonate mudstone (nannofossil ooze) matrix. It contains a wide variety of cm-scale clasts, all soft to poorly consolidated, and pebble to boulder size. The fragments range in color from black, gray to green. The fragments are nannofossil ooze, planktonic foraminiferal ooze, and glauconitic sandstone. This part of the core was interpreted as a synsedimerntary melange.
Black CLAY, uniform in color and texture occurs in several intervals in Section 1 through 3, and dominates the lower part of the core (Section 4, 80 cm through the Core Catcher).
White to light gray NANNOFOSSIL OOZE occurs in layers in Section 1 through 4. It has a wackestone to mudstone texture.

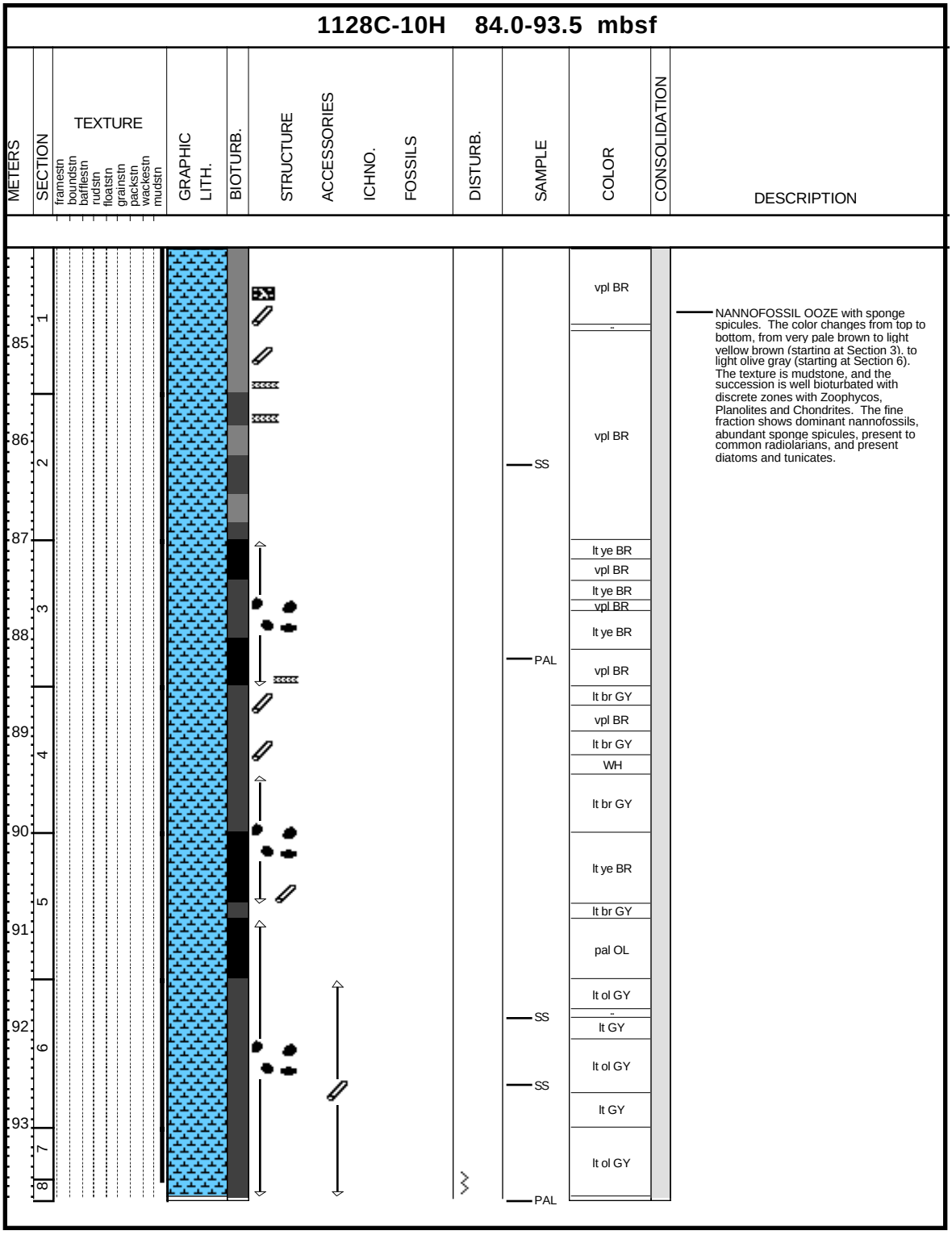
Core Photo


1128C-8H 65.0-74.5 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
66
67
68
69
70
71
72
73
1
2
3
4
5
6
7
PAL
SS
PAL
PAL
GN
WH
ye BR
dk br GY
vpl BR
dk br GY
ye BR
WH
lt GY
WH
lt GY
GN
lt GY
WH
lt GY
WH
pal ye BR
pal BR
lt ye BR
ye BR
pal BR
The core is subdivided into two parts. Section 1 through 3, 140 cm is a sedimentary melange with pebbles and boulders of white and gray NANNOFOSSIL OOZE, light greenish gray CLAY, dark brown SANDSTONE, and green sand.
Section 3, 140 cm through the bottom of the core is a pale brown to brow NANNOFOSSIL OOZE with clay, planktonic foraminifers, bioclasts, and quartz.

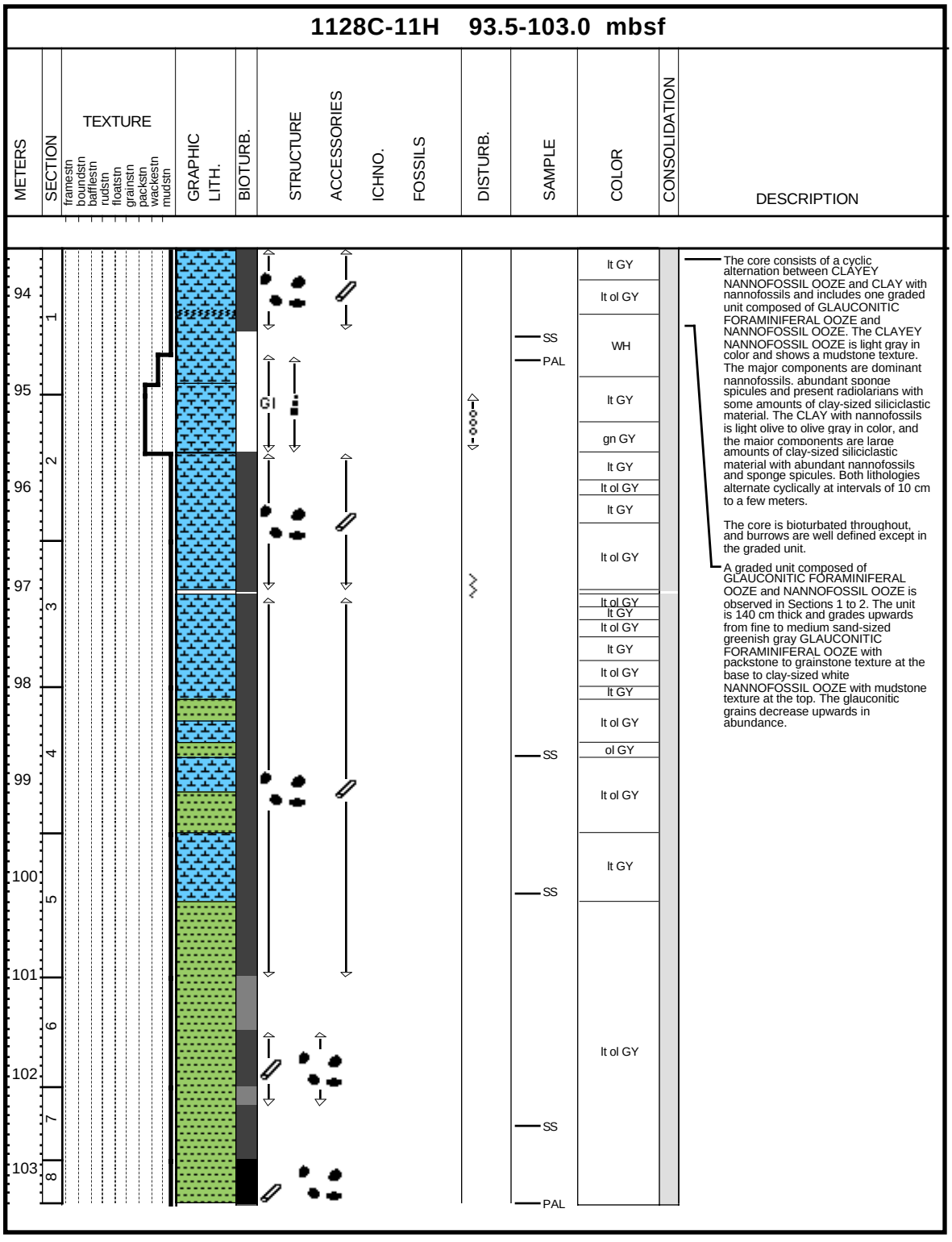
Core Photo


1128C-9H 74.5-84.0 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
75
76
77
78
79
80
81
82
83
84
1
2
3
4
5
6
7
8
WH
vpl BR
GY
vpl BR
ye BR
vpl BR
ye BR
lt GY
pal BR
lt GY
vpl BR
lt GY
vpl BR
WH
vpl BR
lt GY
lt br GY
vpl BR
vpl BR
PAL
Very pale brown to gray NANNOFOSSIL OOZE and a white FORAMINIFERAL OOZE bed. The NANNOFOSIL OOZE has a mudstone texture and is burrowed throughout with the exception of thin very light gray laminae in Sections 2 and 3. The FORAMINIFERAL OOZE has a grainstone texture, shows gradded bedding into a packstone texture, and the NANNOFOSSIL OOZE capping the graded bed is white in color and has a wackestone texture.

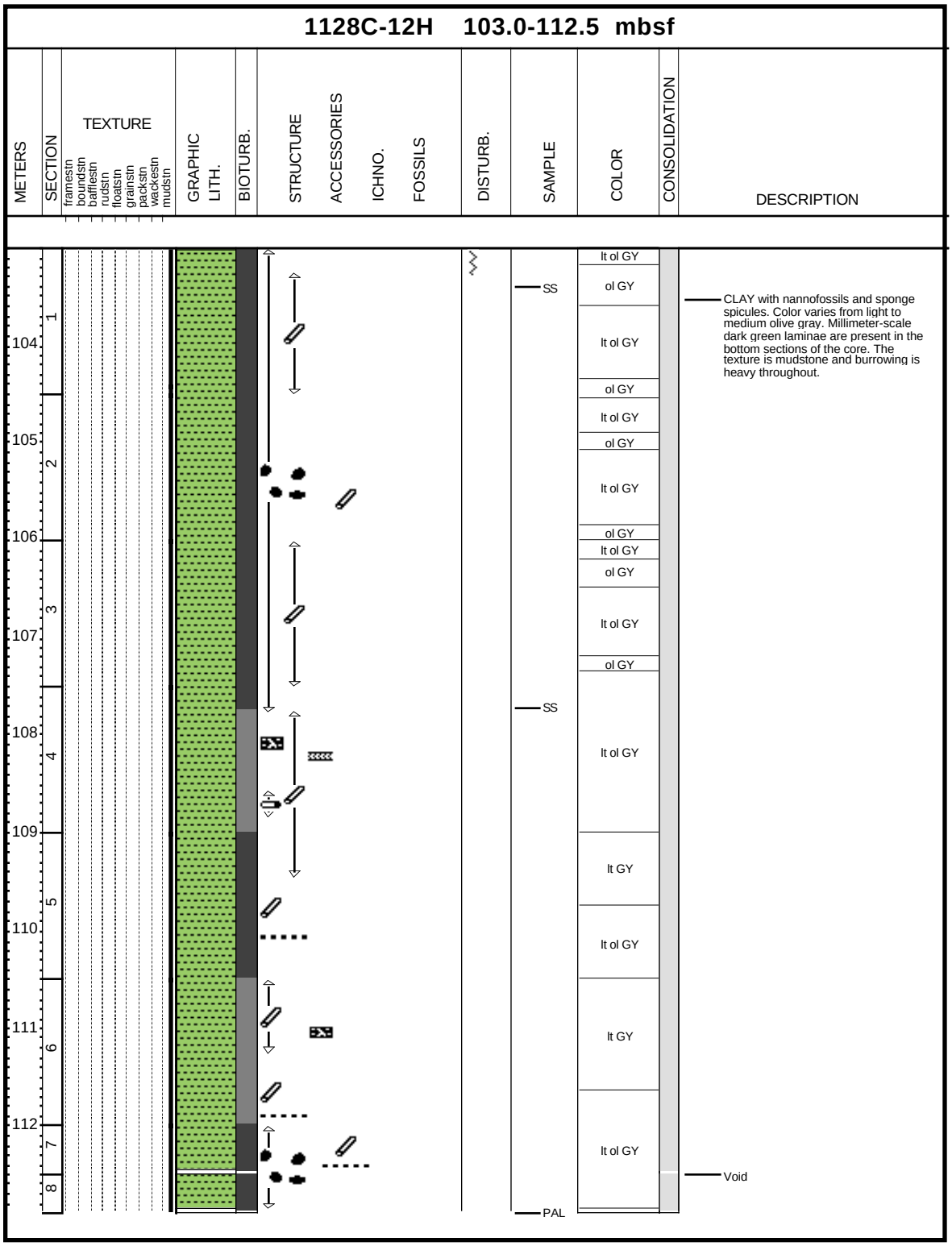
Core Photo


1128C-10H 84.0-93.5 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
85
86
87
88
89
90
91
92
93
1
2
3
4
5
6
7
8
SS
PAL
SS
SS
PAL
vpl BR
vpl BR
lt ye BR
vpl BR
lt ye BR
vpl BR
lt ye BR
vpl BR
lt br GY
vpl BR
lt br GY
WH
lt br GY
lt ye BR
lt br GY
pal OL
lt ol GY
lt GY
lt ol GY
lt GY
lt ol GY
NANNOFOSSIL OOZE with sponge spicules. The color changes from top to bottom, from very pale brown to light yellow brown (starting at Section 3), to light olive gray (starting at Section 6). The texture is mudstone, and the succession is well bioturbated with discrete zones with Zoophycos, Planolites and Chondrites. The fine fraction shows dominant nannofossils, abundant sponge spicules, present to common radiolarians, and present diatoms and tunicates.

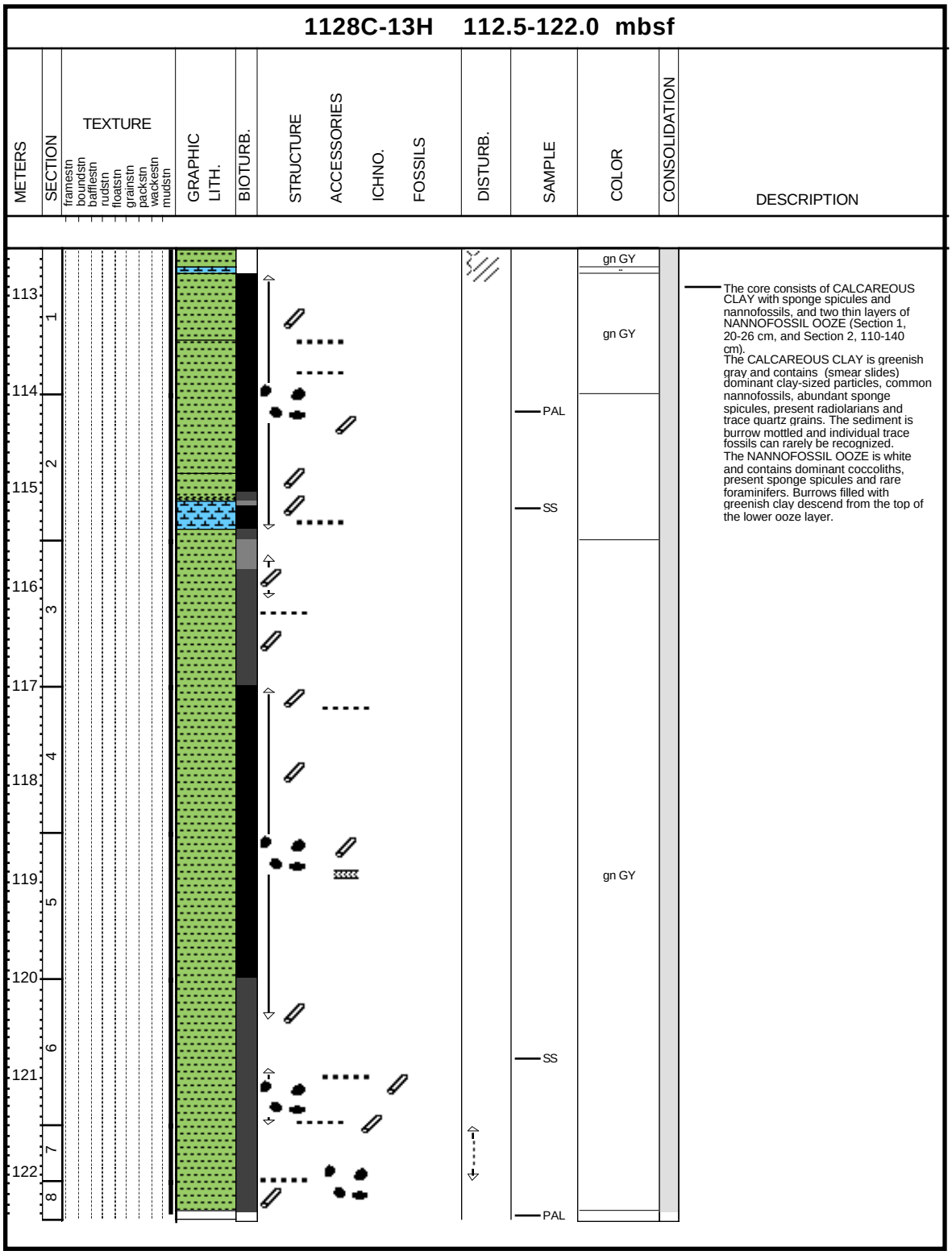
Core Photo


1128C-11H 93.5-103.0 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
94
95
96
97
98
99
100
101
102
103
1
2
3
4
5
6
7
8
GI
SS
PAL
SS
SS
SS
PAL
lt GY
lt ol GY
WH
lt GY
gn GY
lt GY
lt ol GY
lt GY
lt ol GY
lt ol GY
lt GY
lt ol GY
lt GY
lt ol GY
lt GY
lt ol GY
ol GY
lt ol GY
lt GY
lt ol GY
The core consists of a cyclic alternation between CLAYEY NANNOFOSSIL OOZE and CLAY with nannofossils and includes one graded unit composed of GLAUCONITIC FORAMINIFERAL OOZE and NANNOFOSSIL OOZE. The CLAYEY NANNOFOSSIL OOZE is light gray in color and shows a mudstone texture. The major components are dominant nannofossils, abundant sponge spicules and present radiolarians with some amounts of clay-sized siliciclastic material. The CLAY with nannofossils is light olive to olive gray in color, and the major components are large amounts of clay-sized siliciclastic material with abundant nannofossils and sponge spicules. Both lithologies alternate cyclically at intervals of 10 cm to a few meters.
The core is bioturbated throughout, and burrows are well defined except in the graded unit.
A graded unit composed of GLAUCONITIC FORAMINIFERAL OOZE and NANNOFOSSIL OOZE is observed in Sections 1 to 2. The unit is 140 cm thick and grades upwards from fine to medium sand-sized greenish gray GLAUCONITIC FORAMINIFERAL OOZE with packstone to grainstone texture at the base to clay-sized white NANNOFOSSIL OOZE with mudstone texture at the top. The glauconitic grains decrease upwards in abundance.

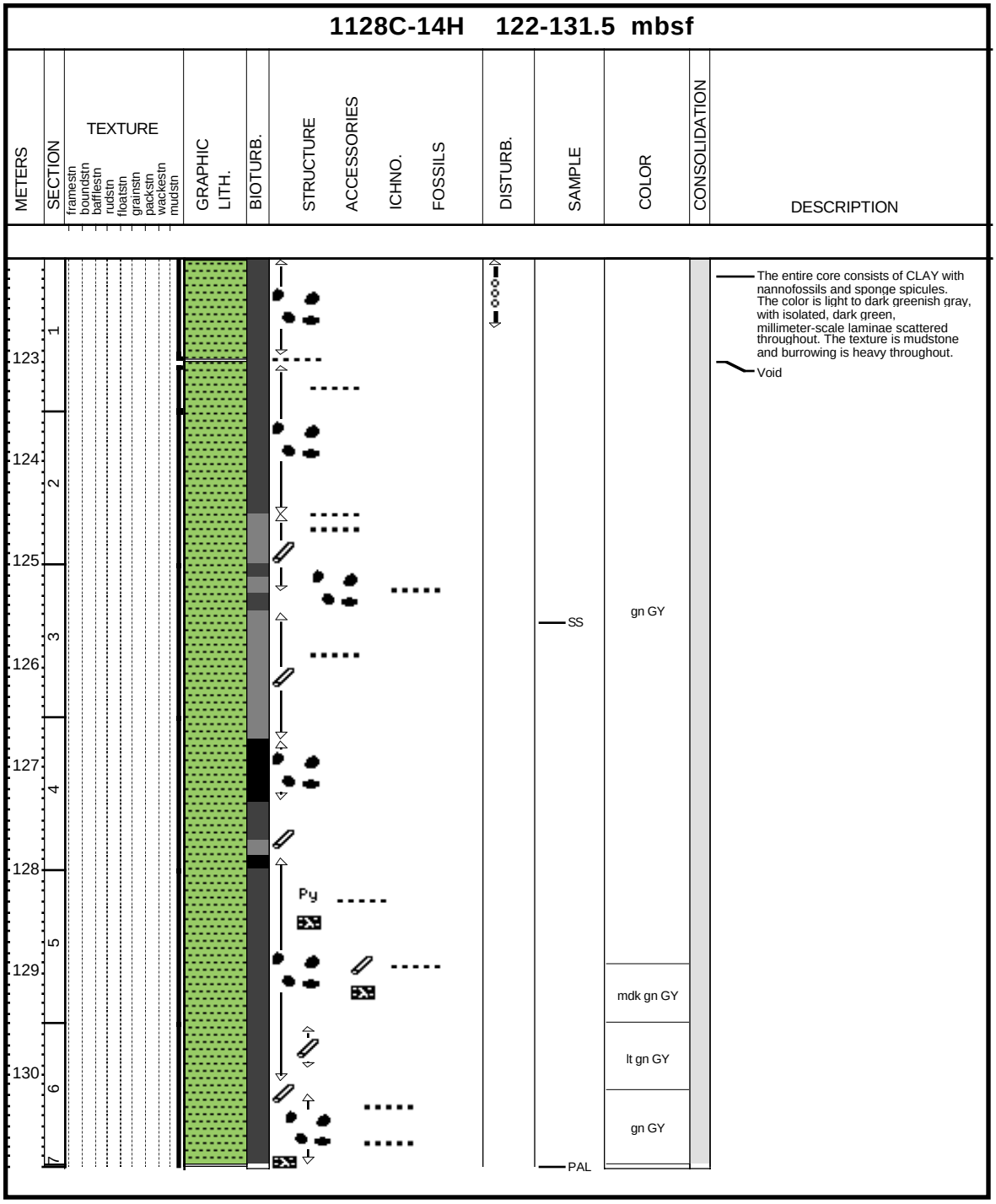
Core Photo


1128C-12H 103.0-112.5 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
104
105
106
107
108
109
110
111
112
1
2
3
4
5
6
7
8
SS
SS
PAL
lt ol GY
ol GY
lt ol GY
ol GY
lt ol GY
ol GY
lt ol GY
ol GY
lt ol GY
ol GY
lt ol GY
lt GY
lt ol GY
lt GY
lt ol GY
CLAY with nannofossils and sponge spicules. Color varies from light to medium olive gray. Millimeter-scale dark green laminae are present in the bottom sections of the core. The texture is mudstone and burrowing is heavy throughout.
Void

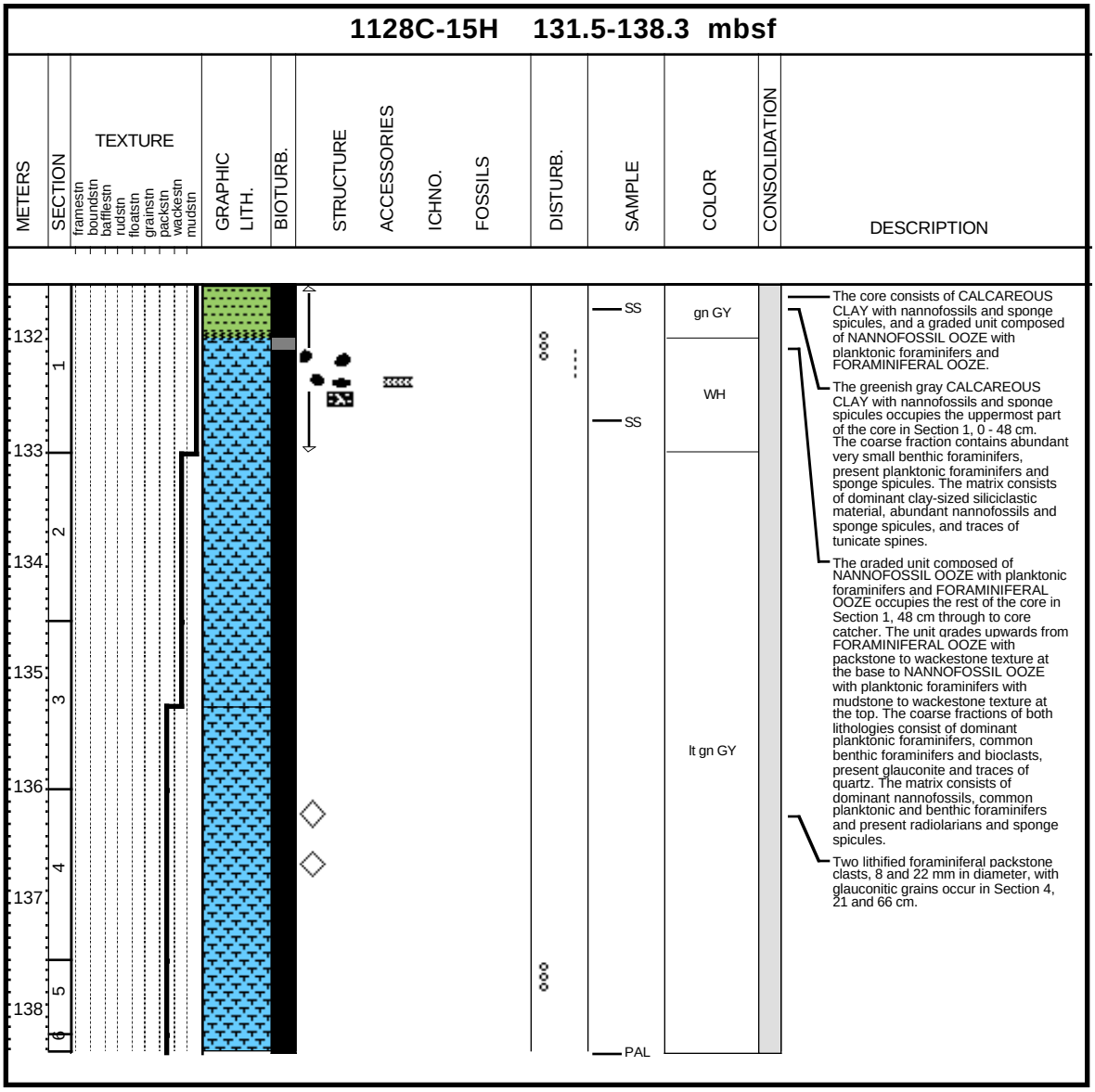
Core Photo


1128C-13H 112.5-122.0 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
113
114
115
116
117
118
119
120
121
122
1
2
3
4
5
6
7
8
PAL
SS
SS
PAL
gn GY
gn GY
gn GY
The core consists of CALCAREOUS CLAY with sponge spicules and nannofossils, and two thin layers of NANNOFOSSIL OOZE (Section 1, 20-26 cm, and Section 2, 110-140 cm).
The CALCAREOUS CLAY is greenish gray and contains (smear slides) dominant clay-sized particles, common nannofossils, abundant sponge spicules, present radiolarians and trace quartz grains. The sediment is burrow mottled and individual trace fossils can rarely be recognized.
The NANNOFOSSIL OOZE is white and contains dominant coccoliths, present sponge spicules and rare foraminifers. Burrows filled with greenish clay descend from the top of the lower ooze layer.

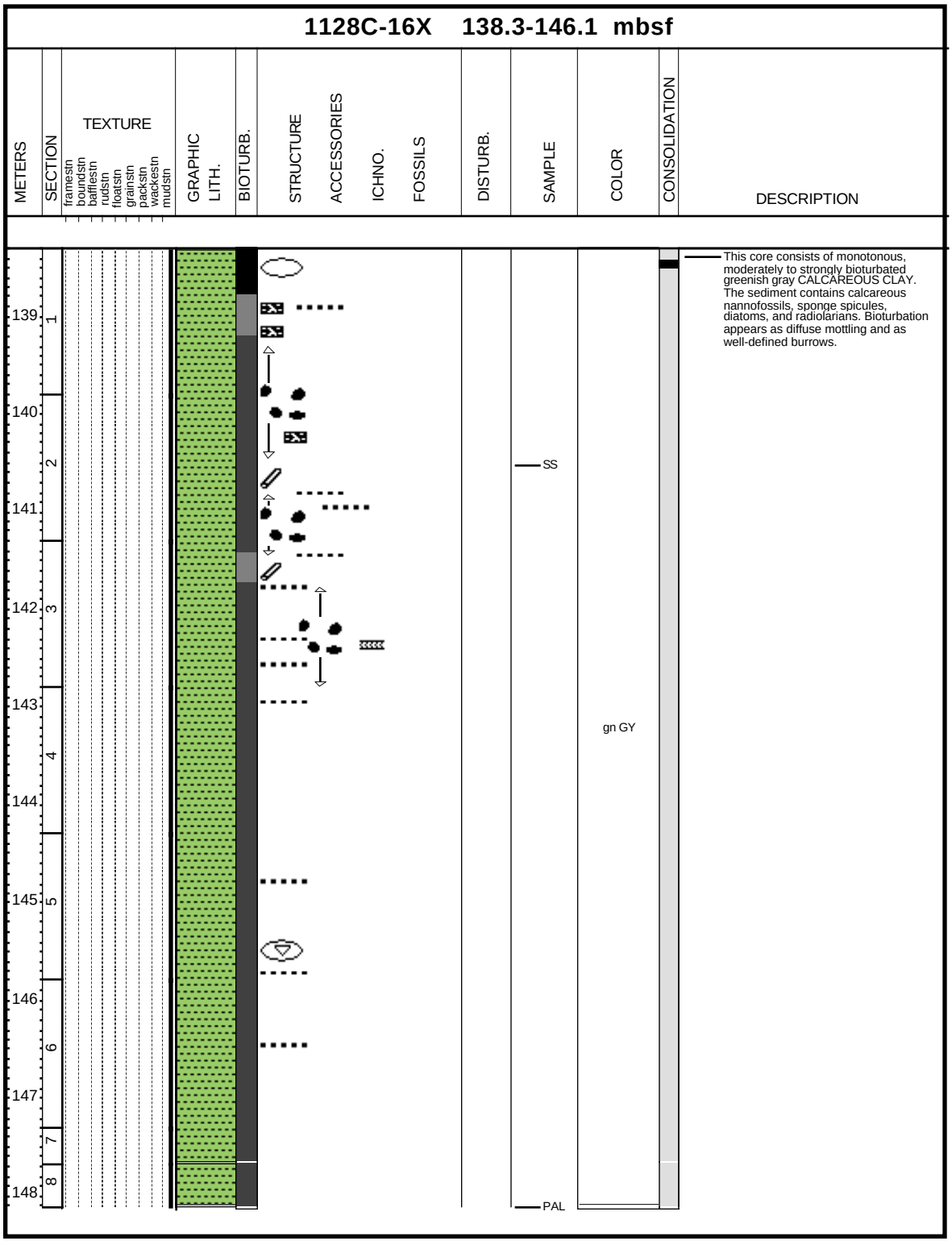
Core Photo


1128C-14H 122-131.5 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
123
124
125
126
127
128
129
130
1
2
3
4
5
6
7
Py
SS
PAL
gn GY
mdk gn GY
lt gn GY
gn GY
The entire core consists of CLAY with nannofossils and sponge spicules. The color is light to dark greenish gray, with isolated, dark green, millimeter-scale laminae scattered throughout. The texture is mudstone and burrowing is heavy throughout.
Void

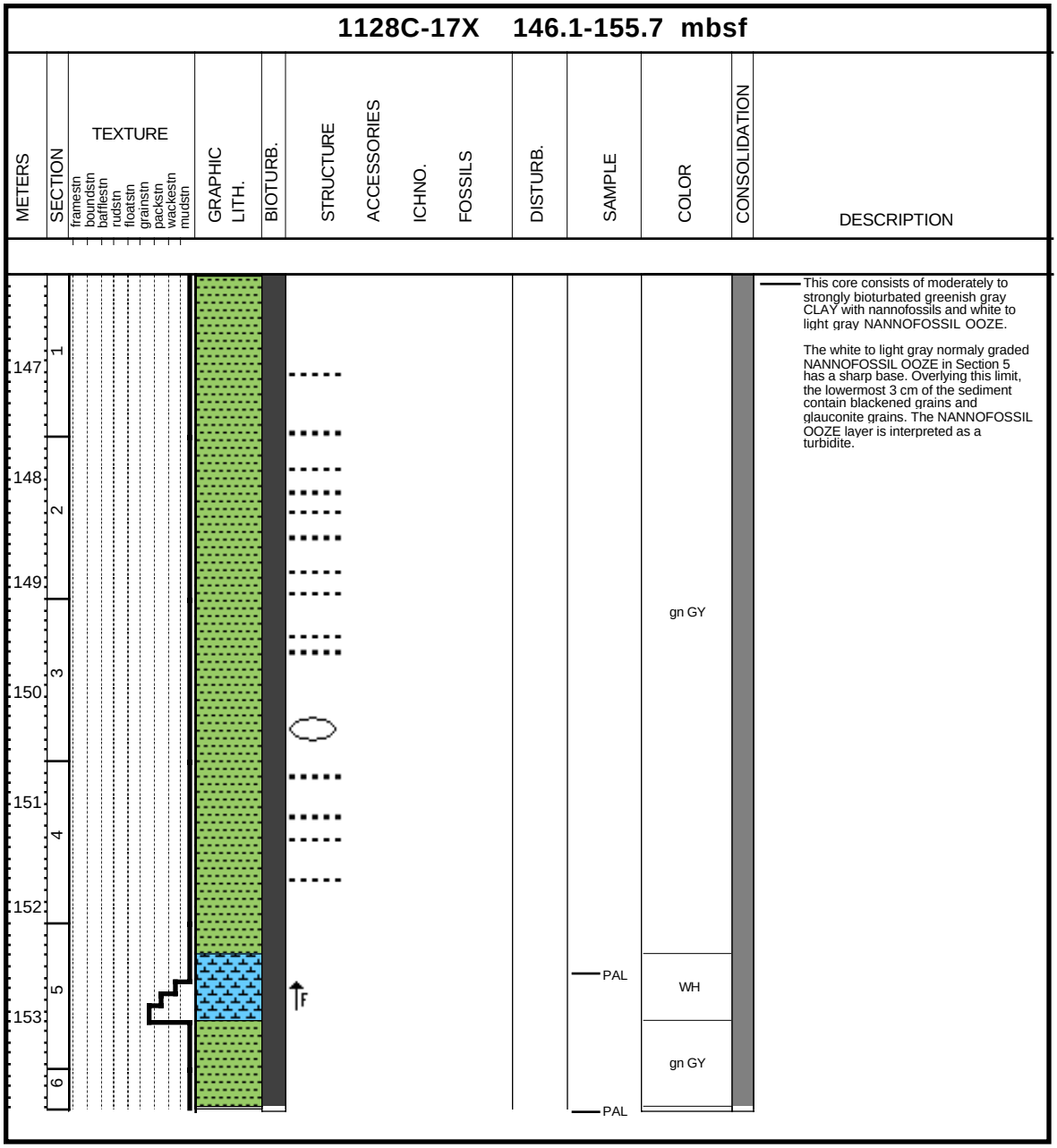
Core Photo


1128C-15H 131.5-138.3 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
132
133
134
135
136
137
138
1
2
3
4
5
6
SS
SS
PAL
gn GY
WH
lt gn GY
The core consists of CALCAREOUS CLAY with nannofossils and sponge spicules, and a graded unit composed of NANNOFOSSIL OOZE with planktonic foraminifers and FORAMINIFERAL OOZE.
The greenish gray CALCAREOUS CLAY with nannofossils and sponge spicules occupies the uppermost part of the core in Section 1, 0 - 48 cm. The coarse fraction contains abundant very small benthic foraminifers, present planktonic foraminifers and sponge spicules. The matrix consists of dominant clay-sized siliciclastic material, abundant nannofossils and sponge spicules, and traces of tunicate spines.
The graded unit composed of NANNOFOSSIL OOZE with planktonic foraminifers and FORAMINIFERAL OOZE occupies the rest of the core in Section 1, 48 cm through to core catcher. The unit grades upwards from FORAMINIFERAL OOZE with packstone to wackestone texture at the base to NANNOFOSSIL OOZE with planktonic foraminifers with mudstone to wackestone texture at the top. The coarse fractions of both lithologies consist of dominant planktonic foraminifers, common benthic foraminifers and bioclasts, present glauconite and traces of quartz. The matrix consists of dominant nannofossils, common planktonic and benthic foraminifers and present radiolarians and sponge spicules.
Two lithified foraminiferal packstone clasts, 8 and 22 mm in diameter, with glauconitic grains occur in Section 4, 21 and 66 cm.

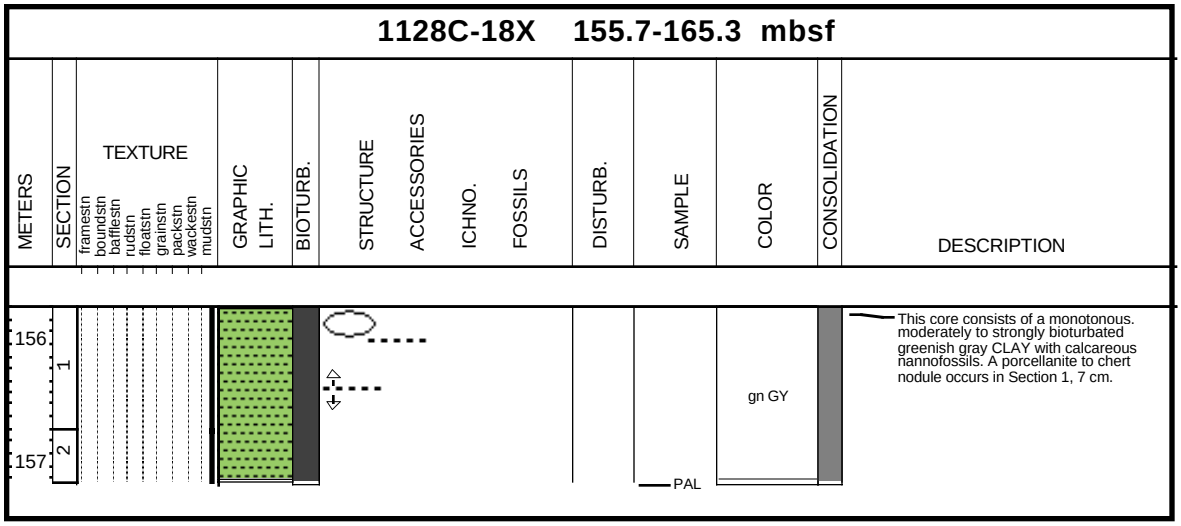
Core Photo


1128C-16X 138.3-146.1 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
139
140
141
142
143
144
145
146
147
148
1
2
3
4
5
6
7
8
SS
PAL
gn GY
This core consists of monotonous, moderately to strongly bioturbated greenish gray CALCAREOUS CLAY. The sediment contains calcareous nannofossils, sponge spicules, diatoms, and radiolarians. Bioturbation appears as diffuse mottling and as well-defined burrows.

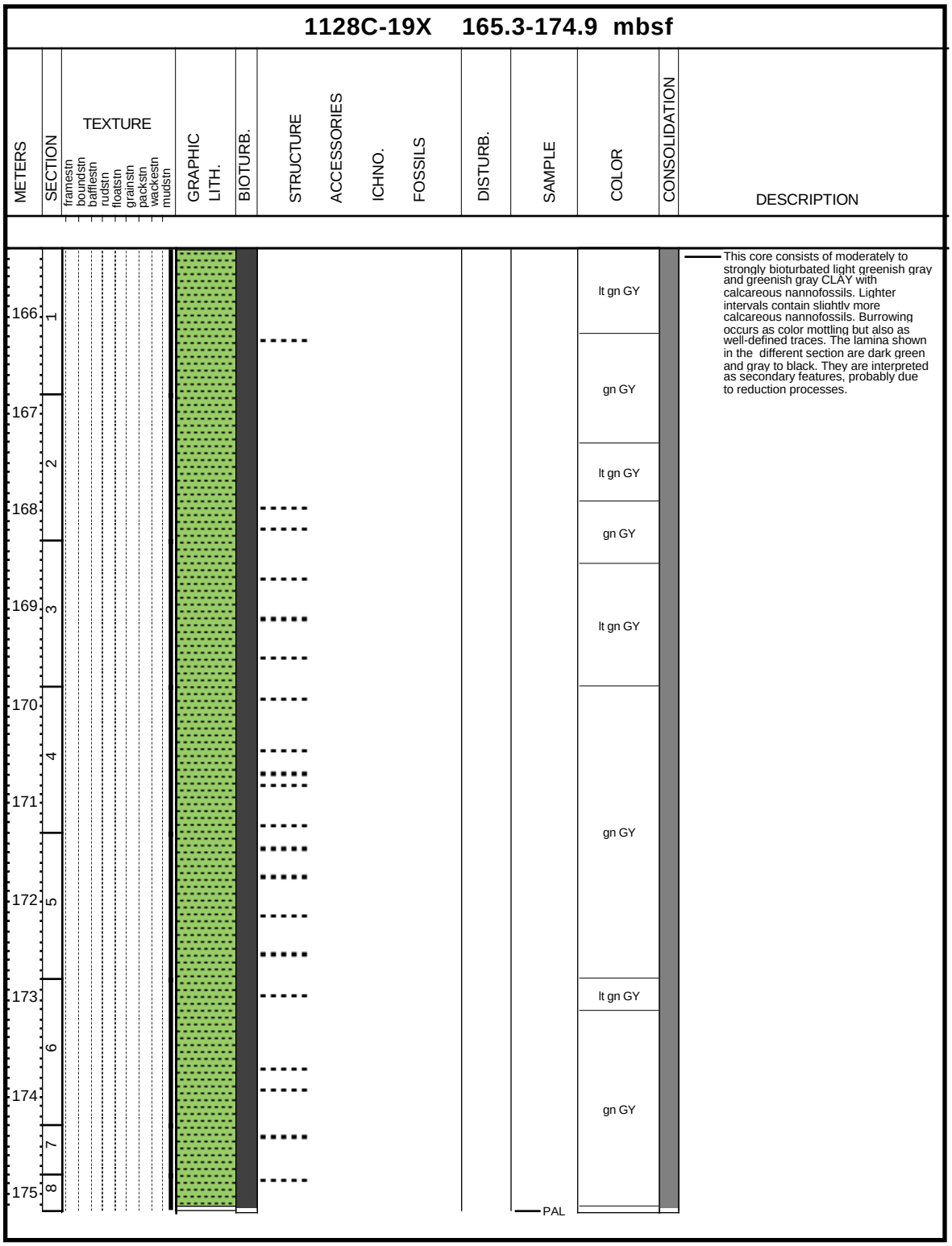
Core Photo


1128C-17X 146.1-155.7 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
147
148
149
150
151
152
153
1
2
3
4
5
6
F
PAL
PAL
gn GY
WH
gn GY
This core consists of moderately to strongly bioturbated greenish gray CLAY with nannofossils and white to light gray NANNOFOSSIL OOZE.
The white to light gray normaly graded NANNOFOSSIL OOZE in Section 5 has a sharp base. Overlying this limit, the lowermost 3 cm of the sediment contain blackened grains and glauconite grains. The NANNOFOSSIL OOZE layer is interpreted as a turbidite.

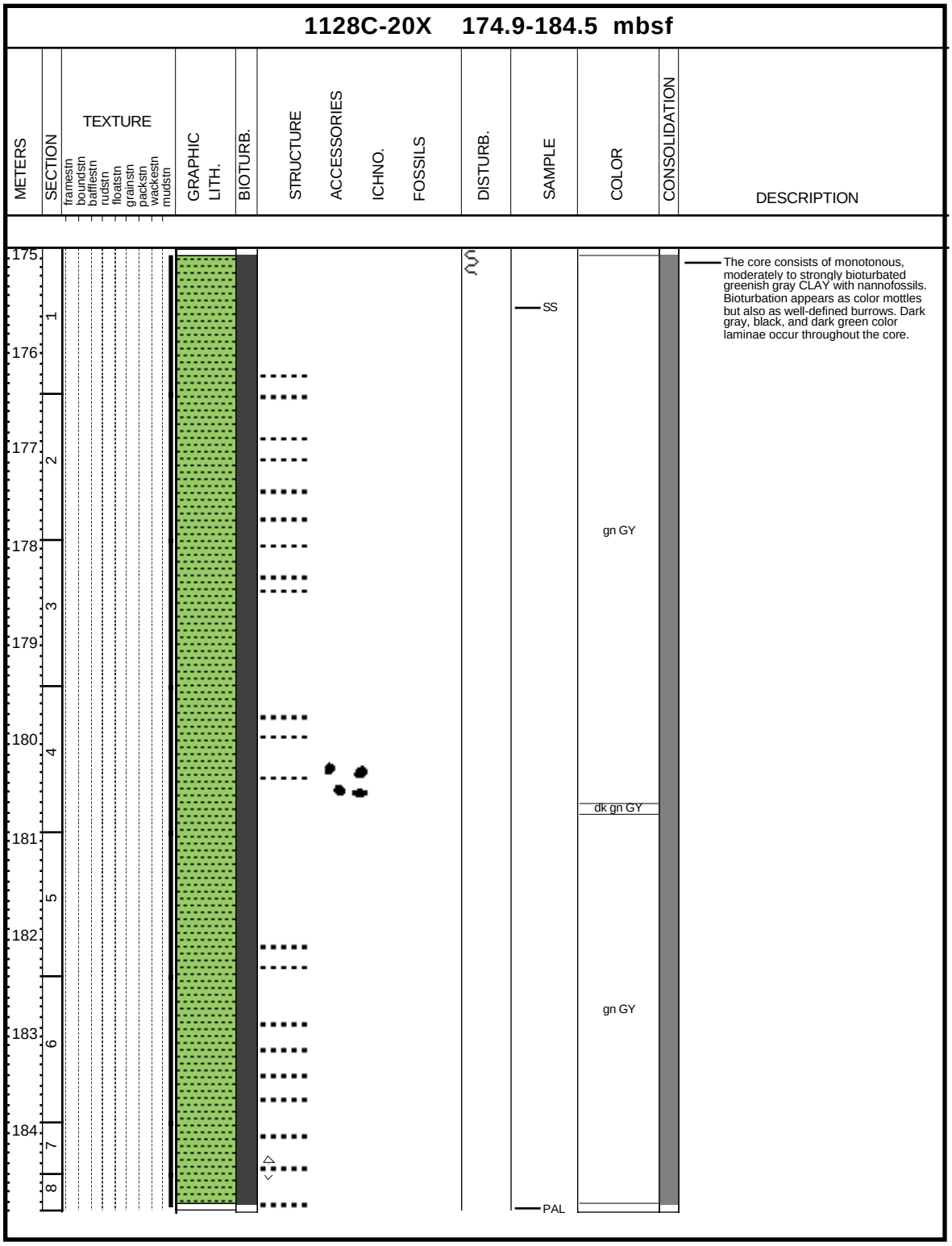
Core Photo


1128C-18X 155.7-165.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
156
157
1
2
PAL
gn GY
This core consists of a monotonous. moderately to strongly bioturbated greenish gray CLAY with calcareous nannofossils. A porcellanite to chert nodule occurs in Section 1, 7 cm.

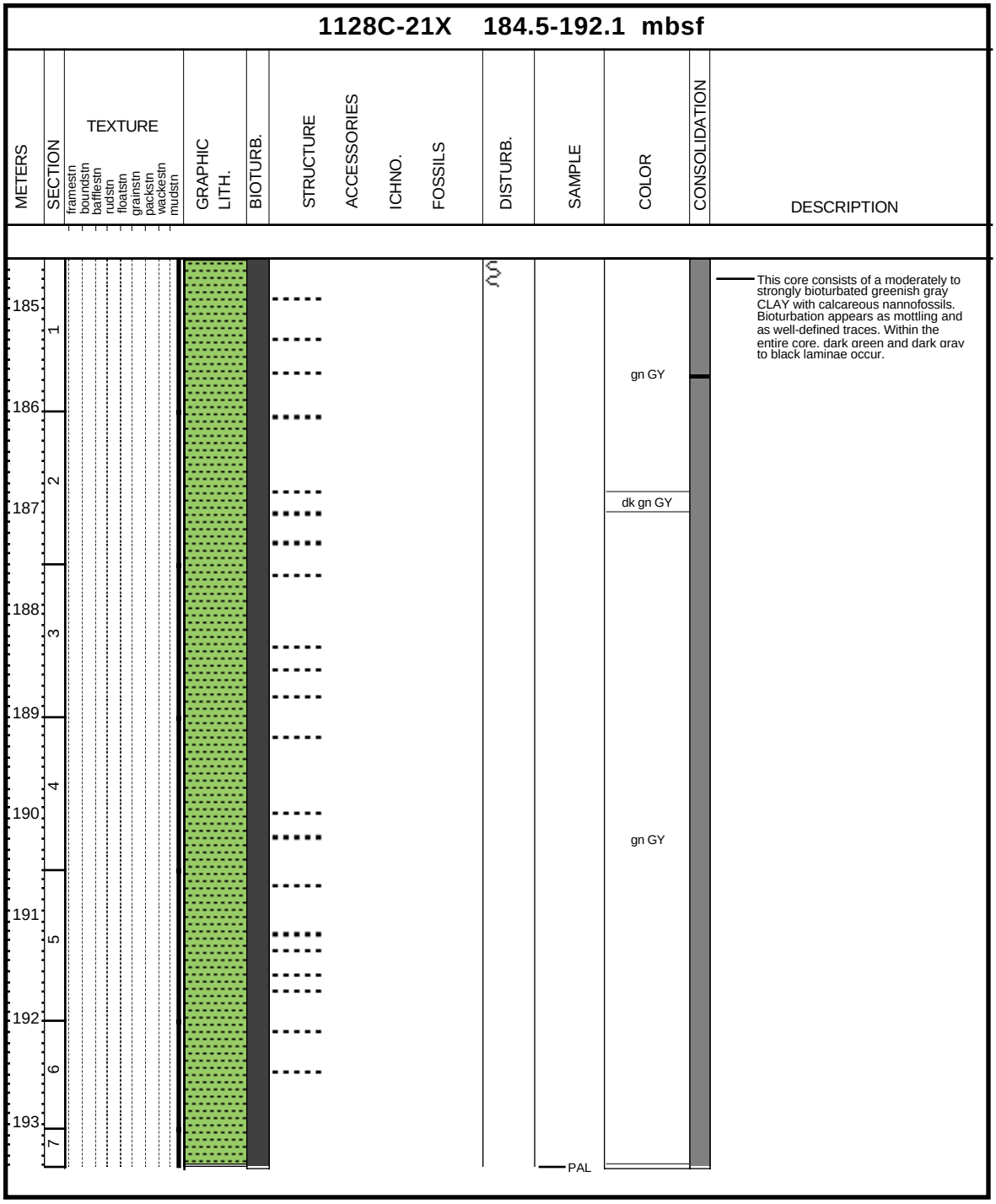
Core Photo


1128C-19X 165.3-174.9 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
166
167
168
169
170
171
172
173
174
175
1
2
3
4
5
6
7
8
lt gn GY
gn GY
lt gn GY
gn GY
lt gn GY
gn GY
lt gn GY
gn GY
PAL
This core consists of moderately to strongly bioturbated light greenish gray and greenish gray CLAY with calcareous nannofossils. Lighter intervals contain slightly more calcareous nannofossils. Burrowing occurs as color mottling but also as well-defined traces. The lamina shown in the different section are dark green and gray to black. They are interpreted as secondary features, probably due to reduction processes.

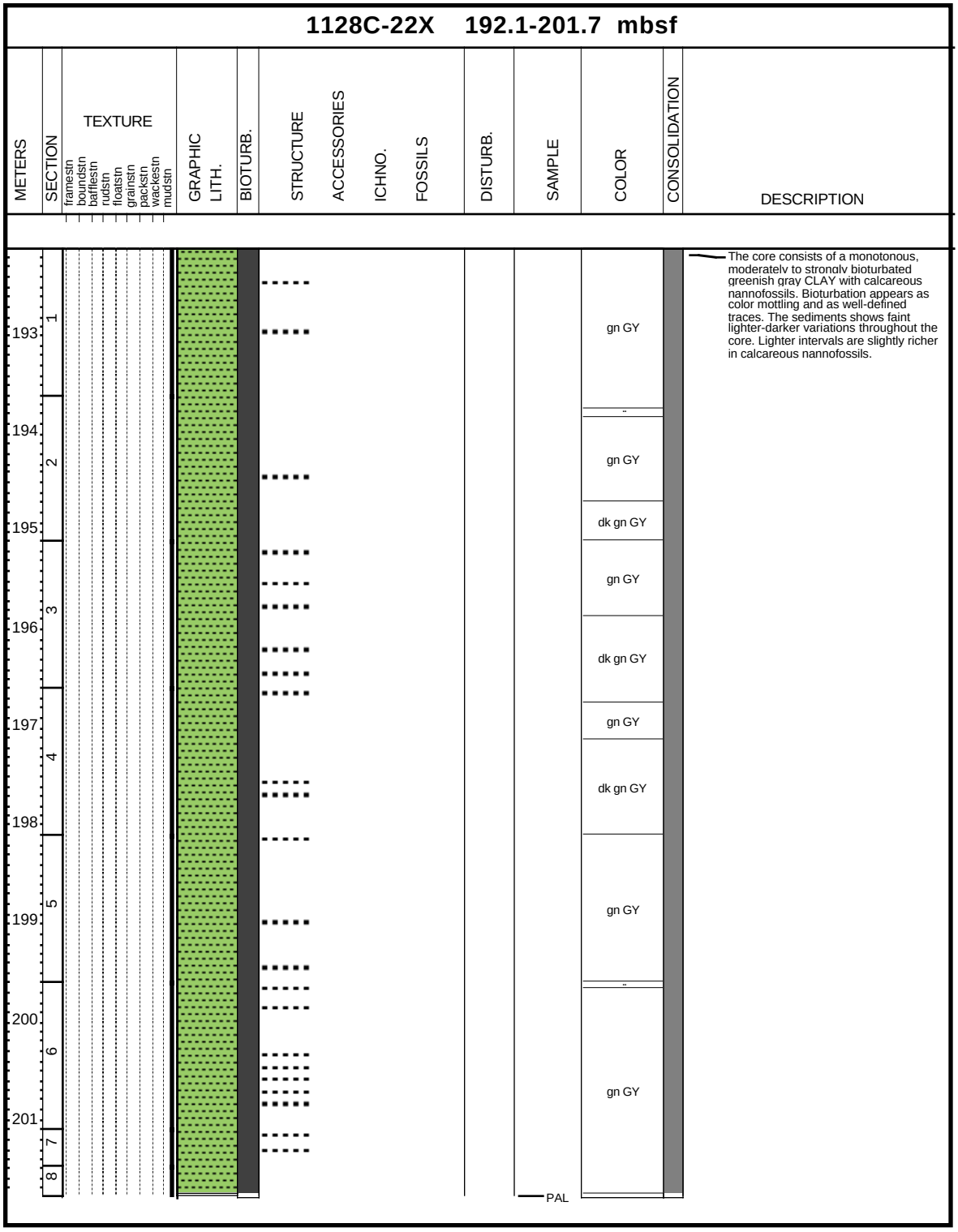
Core Photo


1128C-20X 174.9-184.5 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
175
176
177
178
179
180
181
182
183
184
1
2
3
4
5
6
7
8
SS
PAL
gn GY
dk gn GY
gn GY
The core consists of monotonous, moderately to strongly bioturbated greenish gray CLAY with nannofossils. Bioturbation appears as color mottles but also as well-defined burrows. Dark gray, black, and dark green color laminae occur throughout the core.

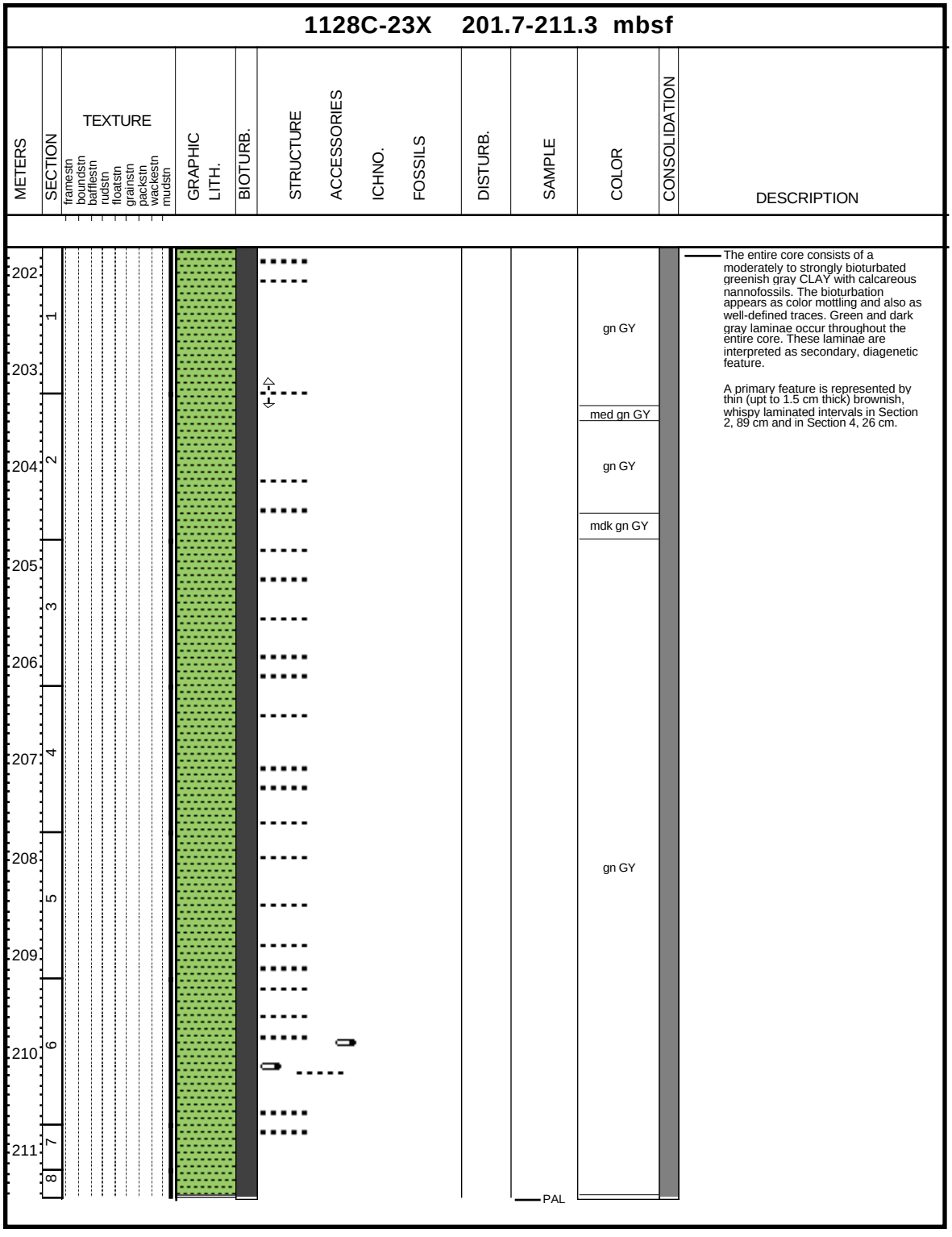
Core Photo


1128C-21X 184.5-192.1 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
185
186
187
188
189
190
191
192
193
1
2
3
4
5
6
7
gn GY
dk gn GY
gn GY
PAL
This core consists of a moderately to strongly bioturbated greenish gray CLAY with calcareous nannofossils. Bioturbation appears as mottling and as well-defined traces. Within the entire core, dark green and dark gray to black laminae occur.

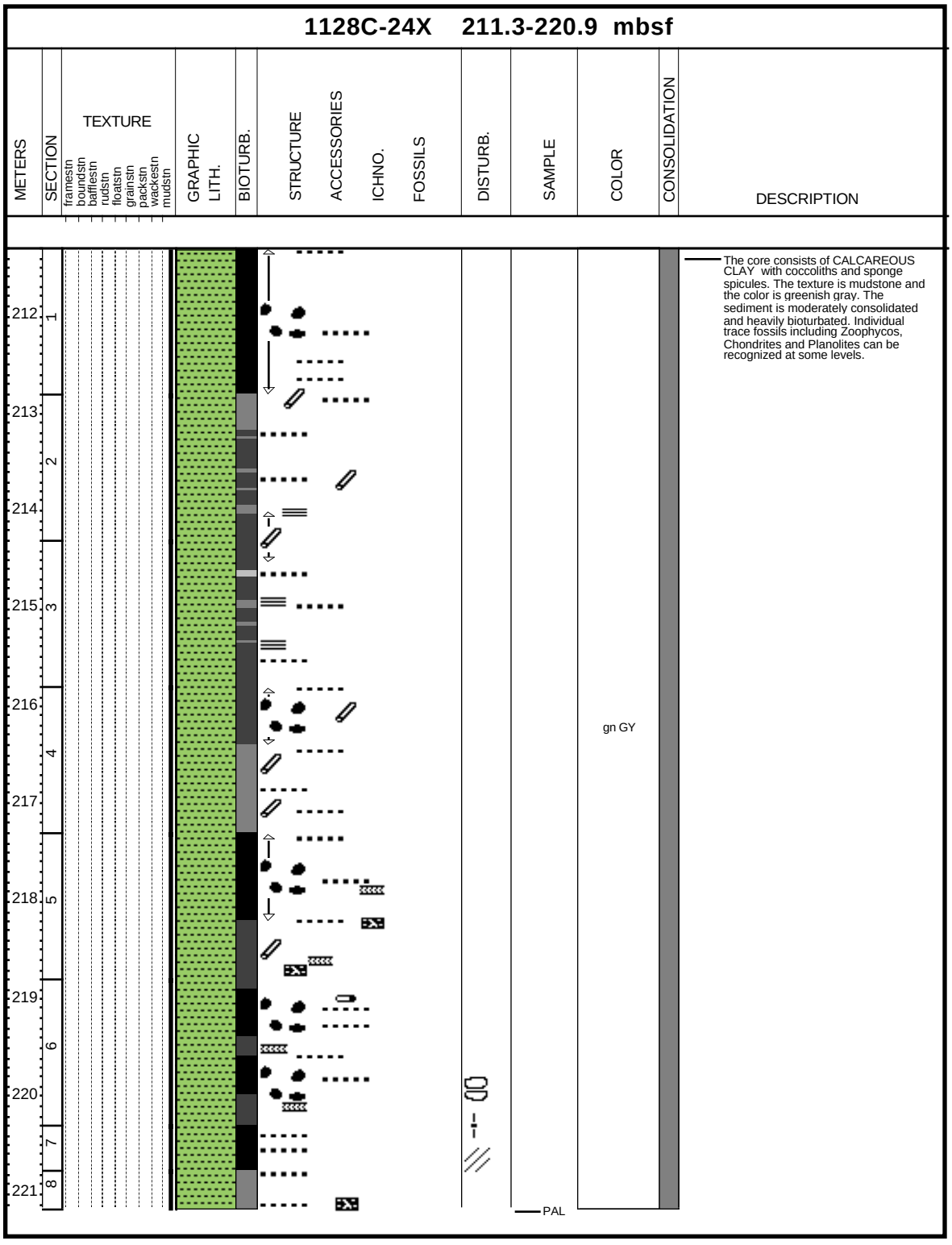
Core Photo


1128C-22X 192.1-201.7 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
193
194
195
196
197
198
199
200
201
1
2
3
4
5
6
7
8
gn GY
gn GY
dk gn GY
gn GY
dk gn GY
gn GY
dk gn GY
gn GY
gn GY
PAL
The core consists of a monotonous, moderately to strongly bioturbated greenish gray CLAY with calcareous nannofossils. Bioturbation appears as color mottling and as well-defined traces. The sediments shows faint lighter-darker variations throughout the core. Lighter intervals are slightly richer in calcareous nannofossils.

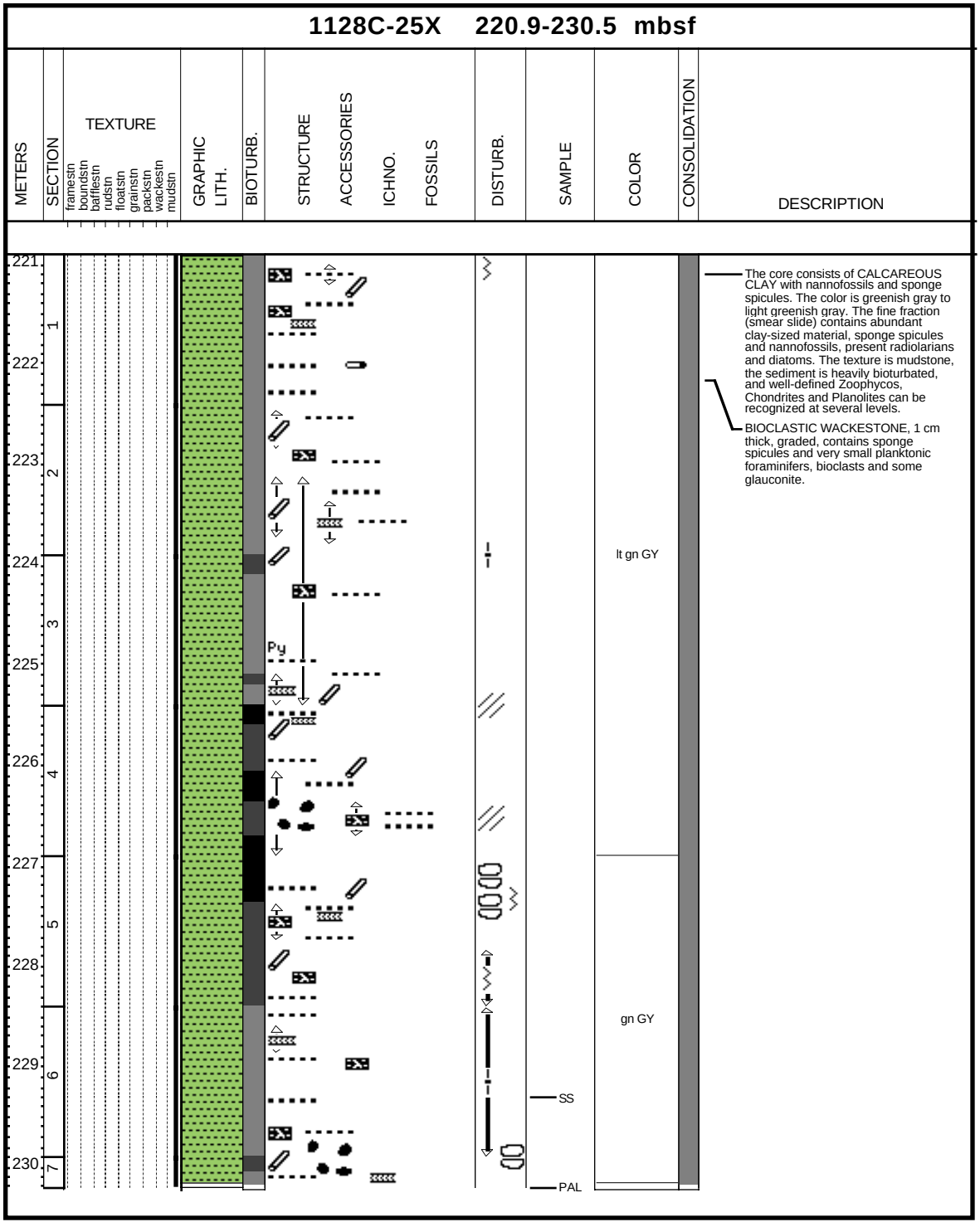
Core Photo


1128C-23X 201.7-211.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
202
203
204
205
206
207
208
209
210
211
1
2
3
4
5
6
7
8
gn GY
med gn GY
gn GY
mdk gn GY
gn GY
PAL
The entire core consists of a moderately to strongly bioturbated greenish gray CLAY with calcareous nannofossils. The bioturbation appears as color mottling and also as well-defined traces. Green and dark gray laminae occur throughout the entire core. These laminae are interpreted as secondary, diagenetic feature.
A primary feature is represented by thin (upt to 1.5 cm thick) brownish, whispy laminated intervals in Section 2, 89 cm and in Section 4, 26 cm.

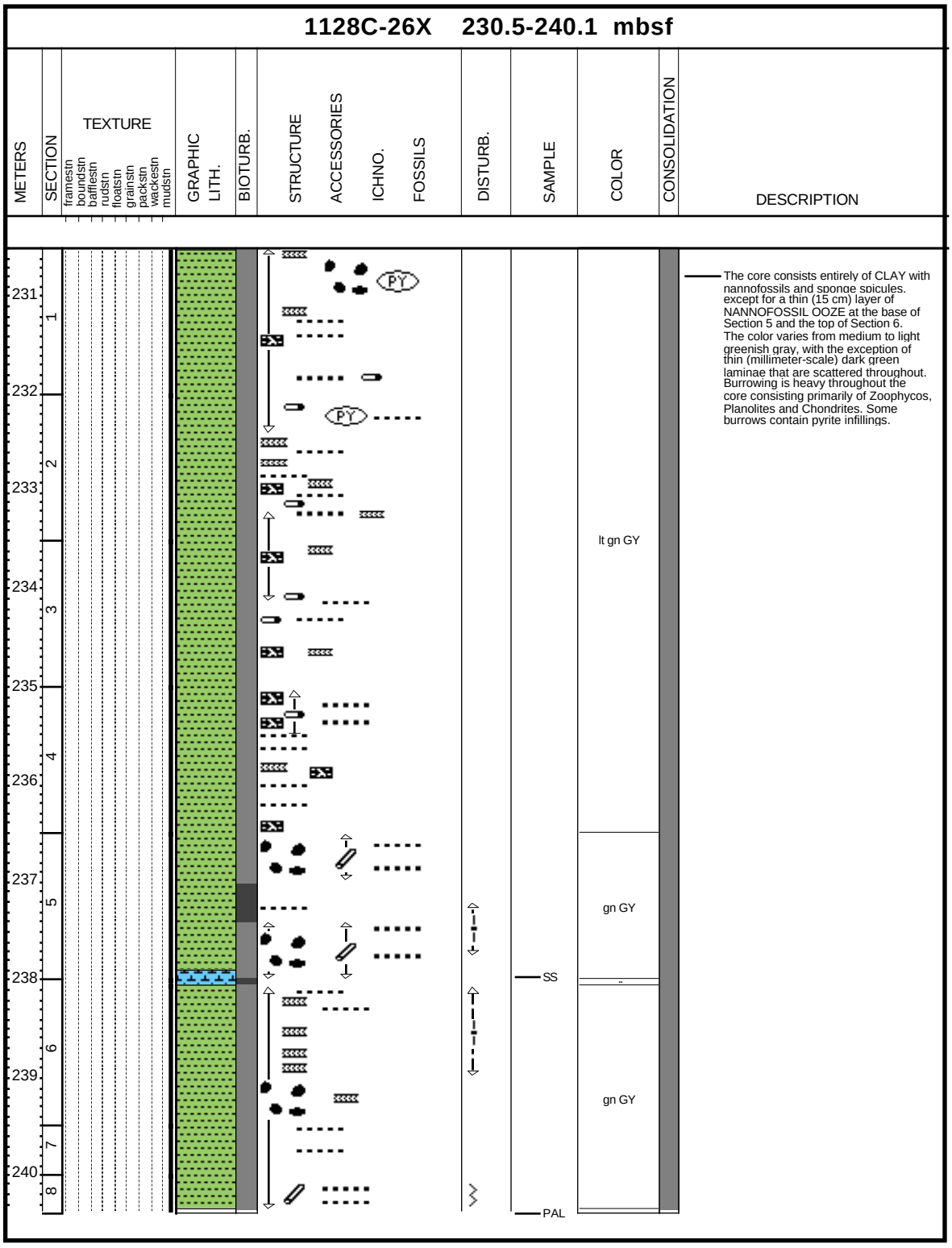
Core Photo


1128C-24X 211.3-220.9 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
212
213
214
215
216
217
218
219
220
221
1
2
3
4
5
6
7
8
gn GY
PAL
The core consists of CALCAREOUS CLAY with coccoliths and sponge spicules. The texture is mudstone and the color is greenish gray. The sediment is moderately consolidated and heavily bioturbated. Individual trace fossils including Zoophycos, Chondrites and Planolites can be recognized at some levels.

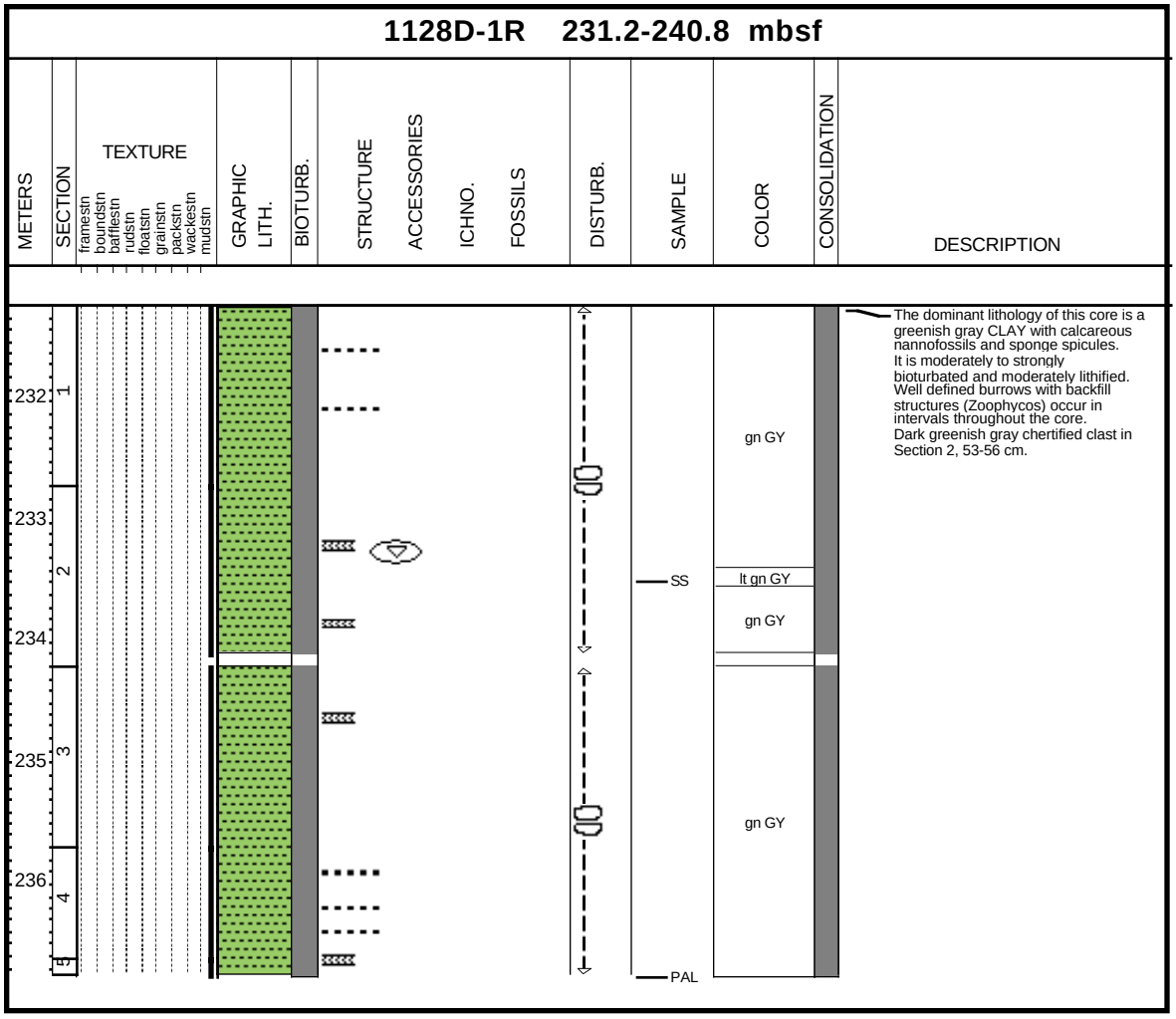
Core Photo


1128C-25X 220.9-230.5 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
221
222
223
224
225
226
227
228
229
230
1
2
3
4
5
6
7
Py
SS
PAL
lt gn GY
gn GY
The core consists of CALCAREOUS CLAY with nannofossils and sponge spicules. The color is greenish gray to light greenish gray. The fine fraction (smear slide) contains abundant clay-sized material, sponge spicules and nannofossils, present radiolarians and diatoms. The texture is mudstone, the sediment is heavily bioturbated, and well-defined Zoophycos, Chondrites and Planolites can be recognized at several levels.
BIOCLASTIC WACKESTONE, 1 cm thick, graded, contains sponge spicules and very small planktonic foraminifers, bioclasts and some glauconite.

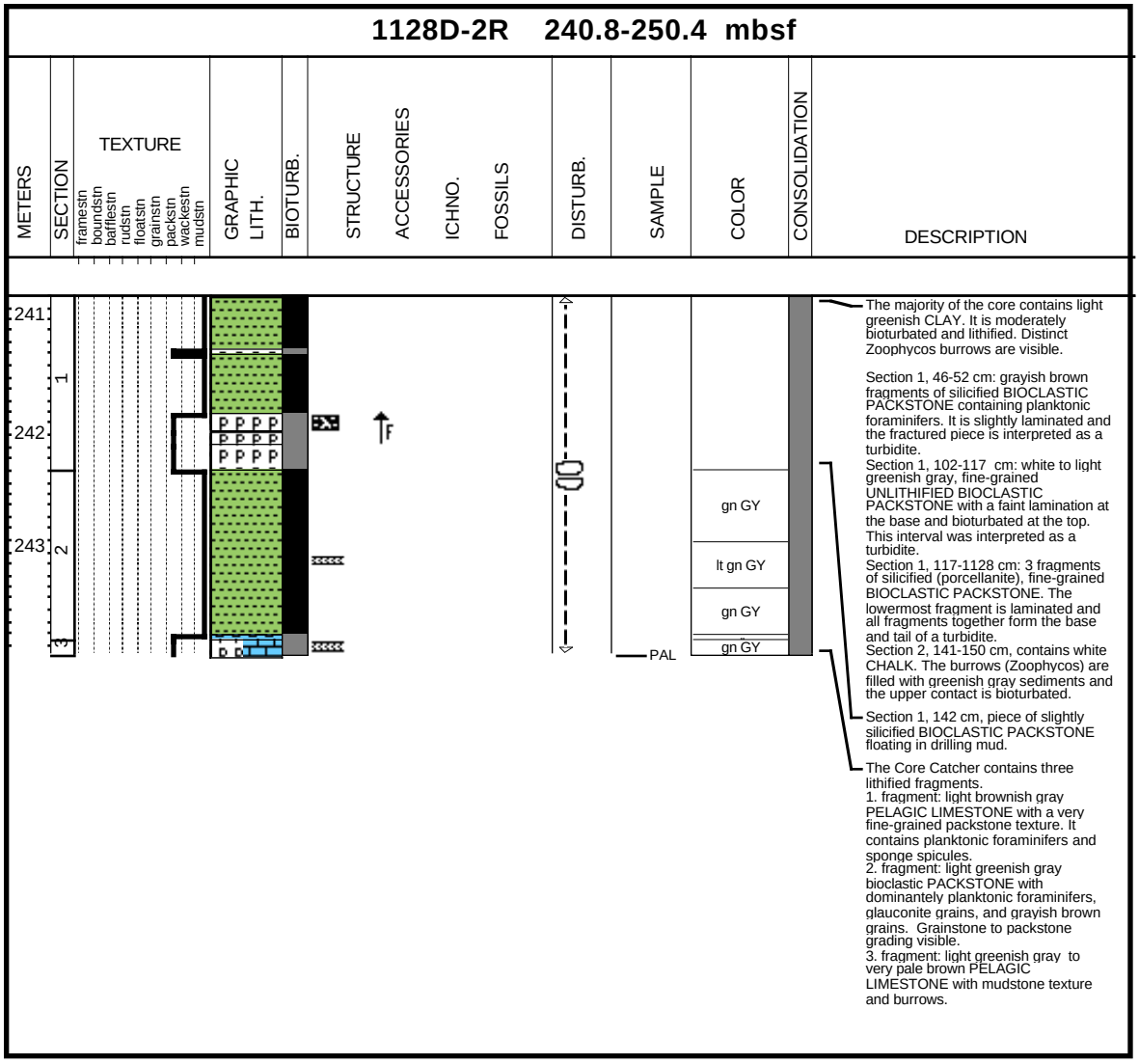
Core Photo


1128C-26X 230.5-240.1 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
231
232
233
234
235
236
237
238
239
240
1
2
3
4
5
6
7
8
PY
PY
SS
PAL
lt gn GY
gn GY
gn GY
The core consists entirely of CLAY with nannofossils and sponge spicules, except for a thin (15 cm) layer of NANNOFOSSIL OOZE at the base of Section 5 and the top of Section 6. The color varies from medium to light greenish gray, with the exception of thin (millimeter-scale) dark green laminae that are scattered throughout. Burrowing is heavy throughout the core consisting primarily of Zoophycos, Planolites and Chondrites. Some burrows contain pyrite infillings.

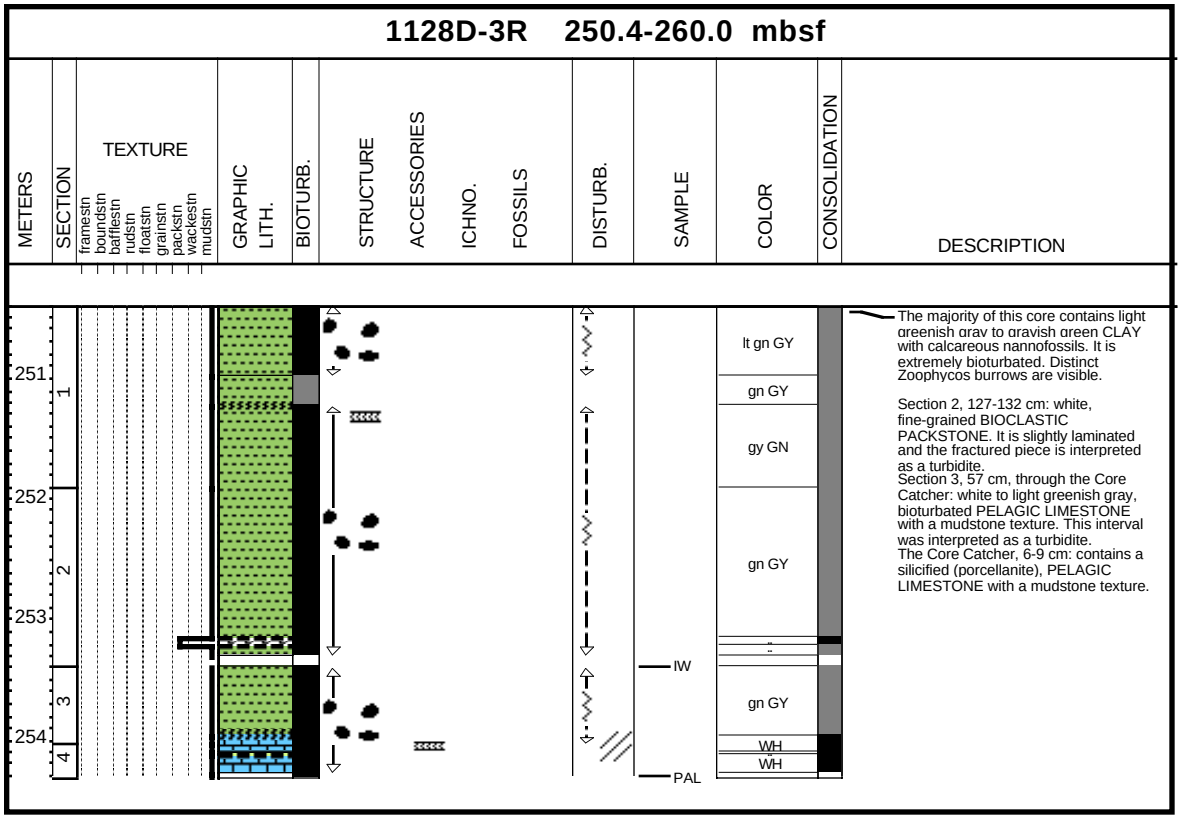
Core Photo


1128D-1R 231.2-240.8 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
232
233
234
235
236
1
2
3
4
5
SS
PAL
gn GY
lt gn GY
gn GY
gn GY
The dominant lithology of this core is a greenish gray CLAY with calcareous nannofossils and sponge spicules. It is moderately to strongly bioturbated and moderately lithified. Well defined burrows with backfill structures (Zoophycos) occur in intervals throughout the core. Dark greenish gray chertified clast in Section 2, 53-56 cm.

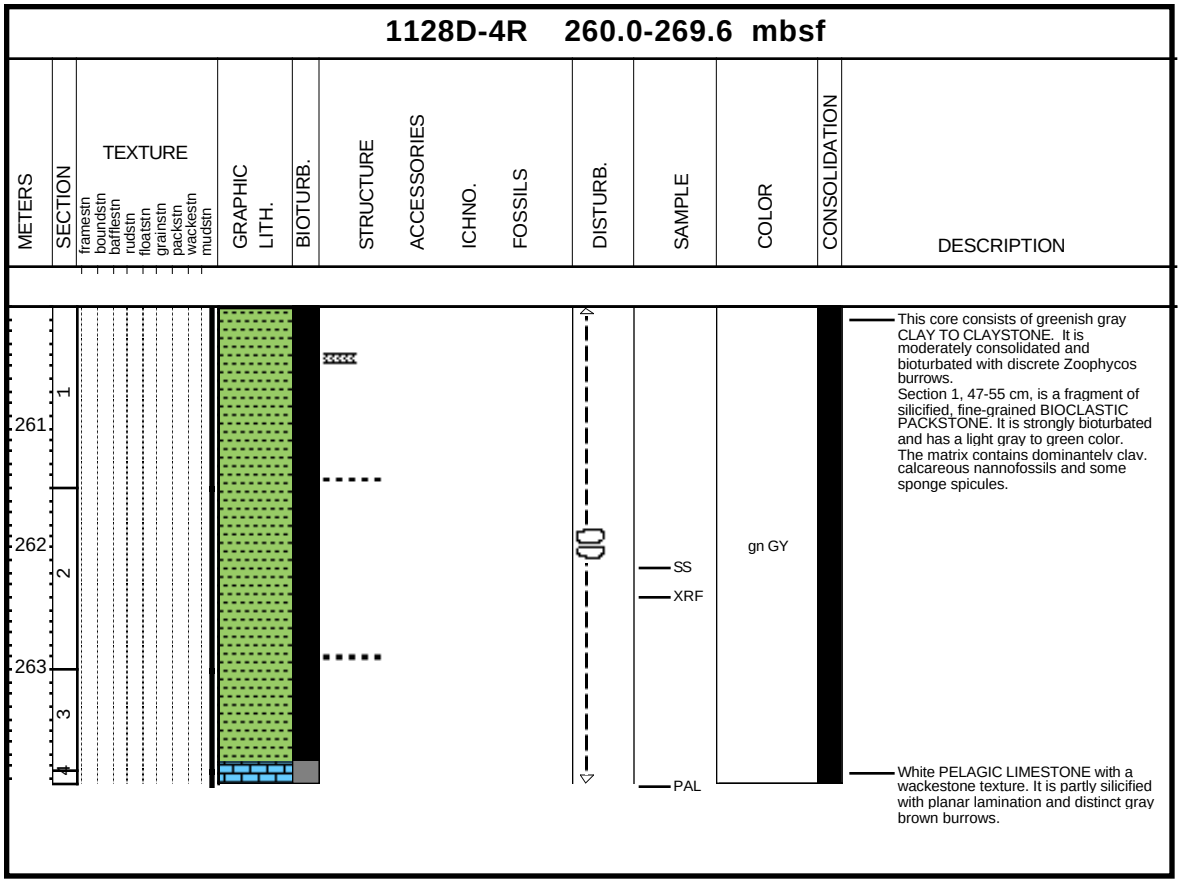
Core Photo


1128D-2R 240.8-250.4 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
241
242
243
1
2
3
F
PAL
gn GY
lt gn GY
gn GY
gn GY
The majority of the core contains light greenish CLAY. It is moderately bioturbated and lithified. Distinct Zoophycos burrows are visible.
Section 1, 46-52 cm: grayish brown fragments of silicified BIOCLASTIC PACKSTONE containing planktonic foraminifers. It is slightly laminated and the fractured piece is interpreted as a turbidite.
Section 1, 102-117 cm: white to light greenish gray, fine-grained UNLITHIFIED BIOCLASTIC PACKSTONE with a faint lamination at the base and bioturbated at the top. This interval was interpreted as a turbidite.
Section 1, 117-1128 cm: 3 fragments of silicified (porcellanite), fine-grained BIOCLASTIC PACKSTONE. The lowermost fragment is laminated and all fragments together form the base and tail of a turbidite.
Section 2, 141-150 cm, contains white CHALK. The burrows (Zoophycos) are filled with greenish gray sediments and the upper contact is bioturbated.
Section 1, 142 cm, piece of slightly silicified BIOCLASTIC PACKSTONE floating in drilling mud.
The Core Catcher contains three lithified fragments.
1. fragment: light brownish gray PELAGIC LIMESTONE with a very fine-grained packstone texture. It contains planktonic foraminifers and sponge spicules.
2. fragment: light greenish gray bioclastic PACKSTONE with dominantely planktonic foraminifers, glauconite grains, and grayish brown grains. Grainstone to packstone grading visible.
3. fragment: light greenish gray to very pale brown PELAGIC LIMESTONE with mudstone texture and burrows.

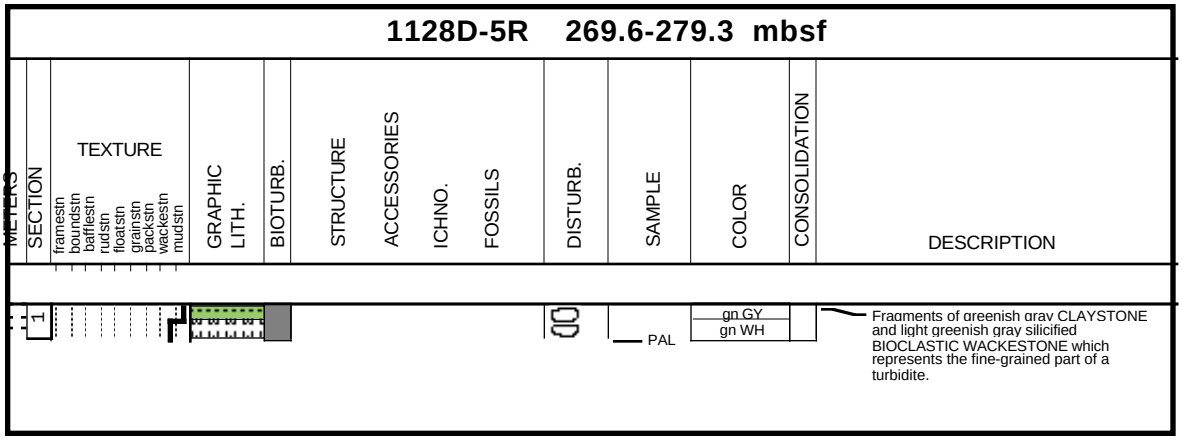
Core Photo


1128D-3R 250.4-260.0 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
251
252
253
254
1
2
3
4
IW
PAL
lt gn GY
gn GY
gy GN
gn GY
gn GY
WH
WH
The majority of this core contains light greenish gray to grayish green CLAY with calcareous nannofossils. It is extremely bioturbated. Distinct Zoophycos burrows are visible.
Section 2, 127-132 cm: white, fine-grained BIOCLASTIC PACKSTONE. It is slightly laminated and the fractured piece is interpreted as a turbidite.
Section 3, 57 cm, through the Core Catcher: white to light greenish gray, bioturbated PELAGIC LIMESTONE with a mudstone texture. This interval was interpreted as a turbidite.
The Core Catcher, 6-9 cm: contains a silicified (porcellanite), PELAGIC LIMESTONE with a mudstone texture.

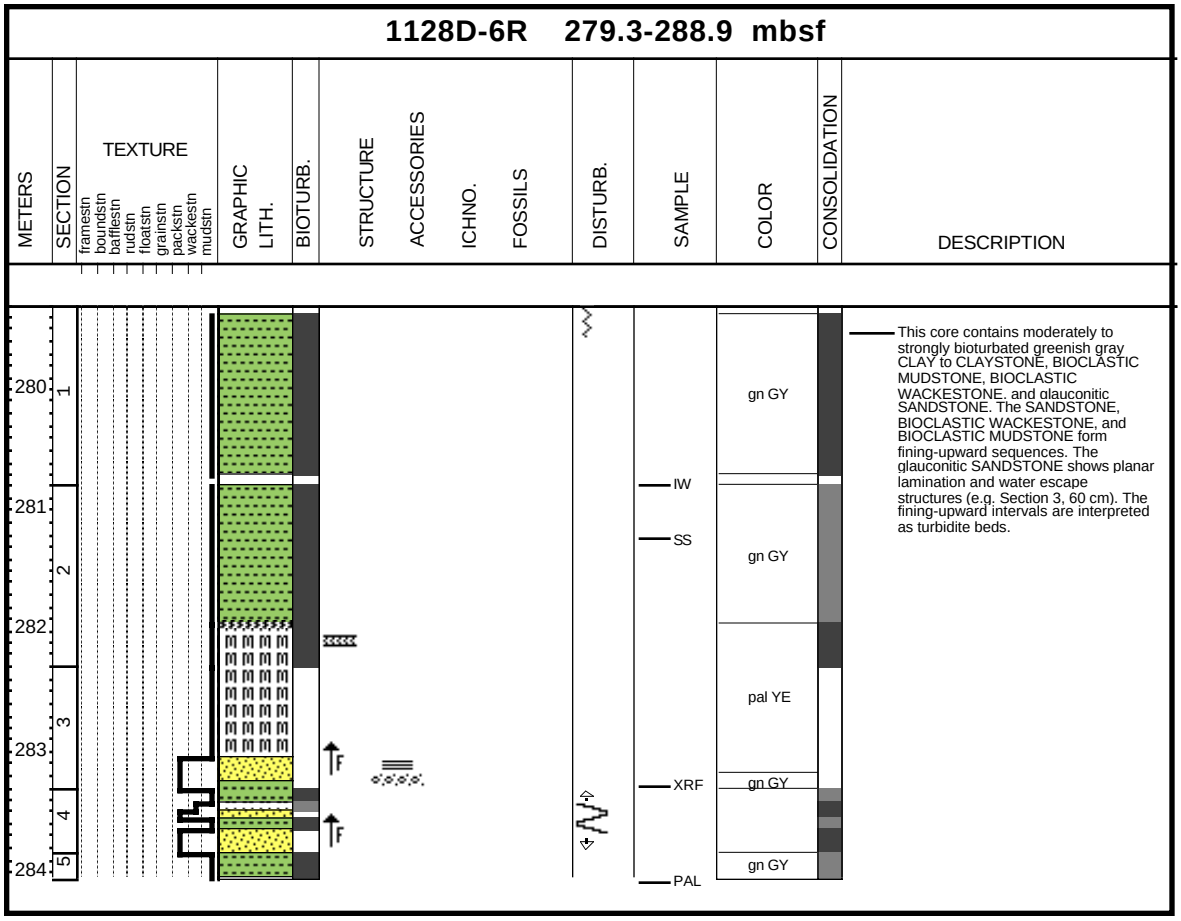
Core Photo


1128D-4R 260.0-269.6 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
261
262
263
1
2
3
4
SS
XRF
PAL
gn GY
This core consists of greenish gray CLAY TO CLAYSTONE. It is moderately consolidated and bioturbated with discrete Zoophycos burrows.
Section 1, 47-55 cm, is a fragment of silicified, fine-grained BIOCLASTIC PACKSTONE. It is strongly bioturbated and has a light gray to green color. The matrix contains dominantelv clav. calcareous nannofossils and some sponge spicules.
White PELAGIC LIMESTONE with a wackestone texture. It is partly silicified with planar lamination and distinct gray brown burrows.

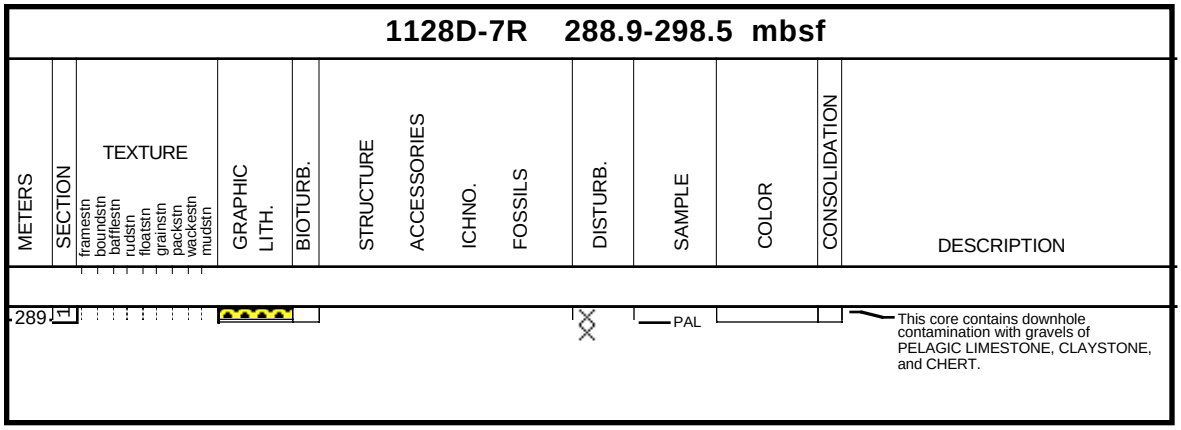
Core Photo


1128D-5R 269.6-279.3 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
1
PAL
gn GY
gn WH
Fragments of greenish gray CLAYSTONE and light greenish gray silicified BIOCLASTIC WACKESTONE which represents the fine-grained part of a turbidite.

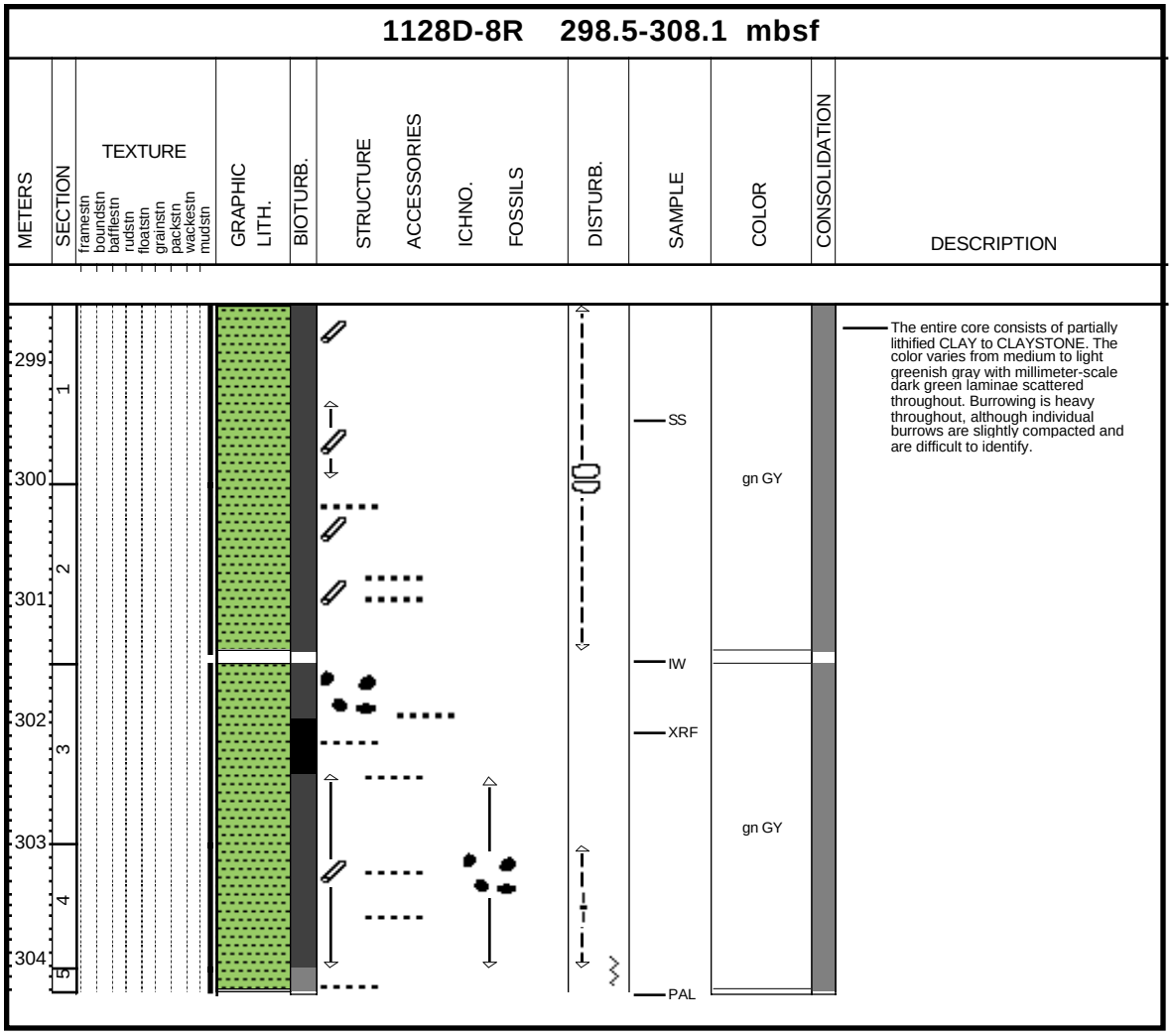
Core Photo


1128D-6R 279.3-288.9 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
280
281
282
283
284
1
2
3
4
5
IW
SS
XRF
PAL
gn GY
gn GY
pal YE
gn GY
gn GY
This core contains moderately to strongly bioturbated greenish gray CLAY to CLAYSTONE, BIOCLASTIC MUDSTONE, BIOCLASTIC WACKESTONE, and glauconitic SANDSTONE. The SANDSTONE, BIOCLASTIC WACKESTONE, and BIOCLASTIC MUDSTONE form fining-upward sequences. The glauconitic SANDSTONE shows planar lamination and water escape structures (e.g. Section 3, 60 cm). The fining-upward intervals are interpreted as turbidite beds.

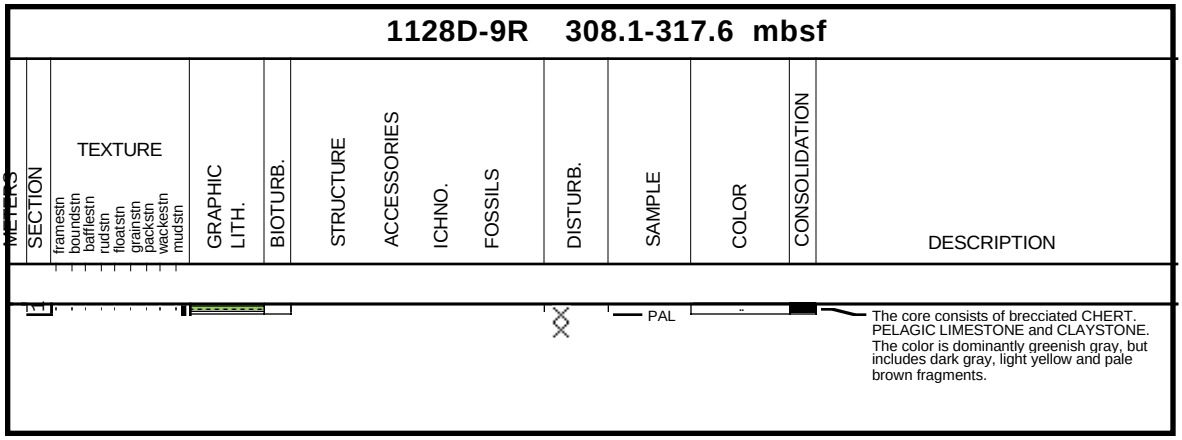
Core Photo


1128D-7R 288.9-298.5 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
289
1
PAL
This core contains downhole contamination with gravels of PELAGIC LIMESTONE, CLAYSTONE, and CHERT.

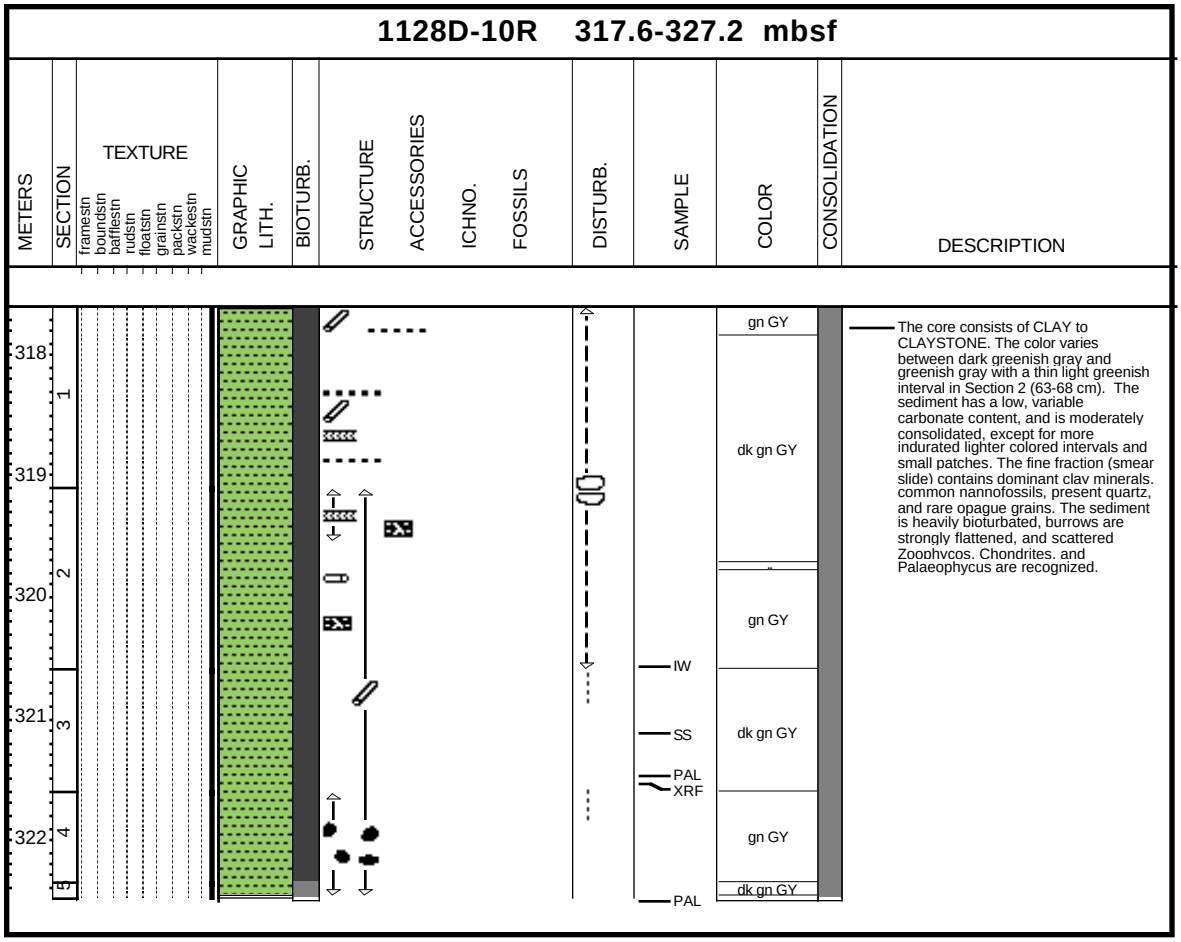
Core Photo


1128D-8R 298.5-308.1 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
299
300
301
302
303
304
1
2
3
4
5
SS
IW
XRF
PAL
gn GY
gn GY
The entire core consists of partially lithified CLAY to CLAYSTONE. The color varies from medium to light greenish gray with millimeter-scale dark green laminae scattered throughout. Burrowing is heavy throughout, although individual burrows are slightly compacted and are difficult to identify.

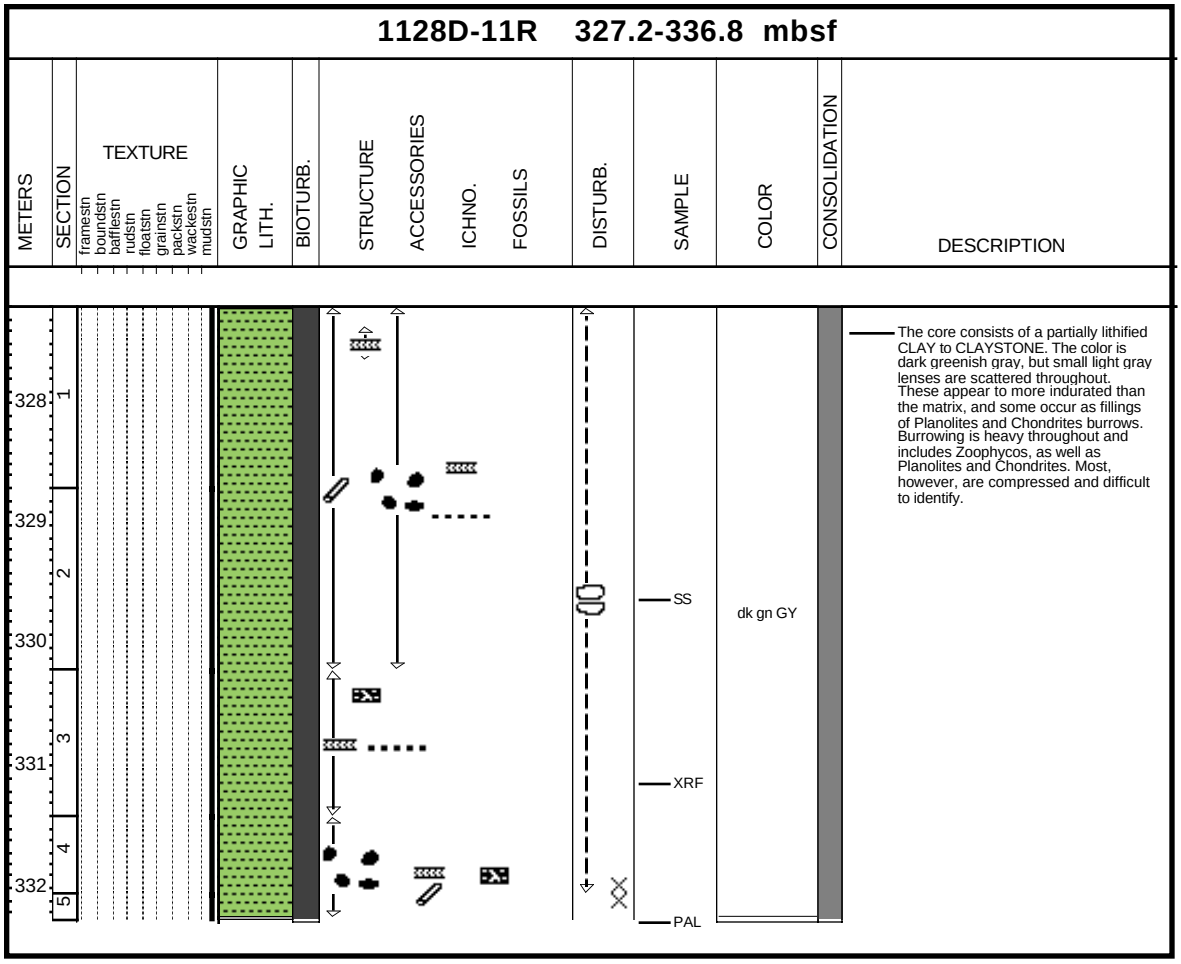
Core Photo


1128D-9R 308.1-317.6 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
The core consists of brecciated CHERT. PELAGIC LIMESTONE and CLAYSTONE. The color is dominantly greenish gray, but includes dark gray, light yellow and pale brown fragments.

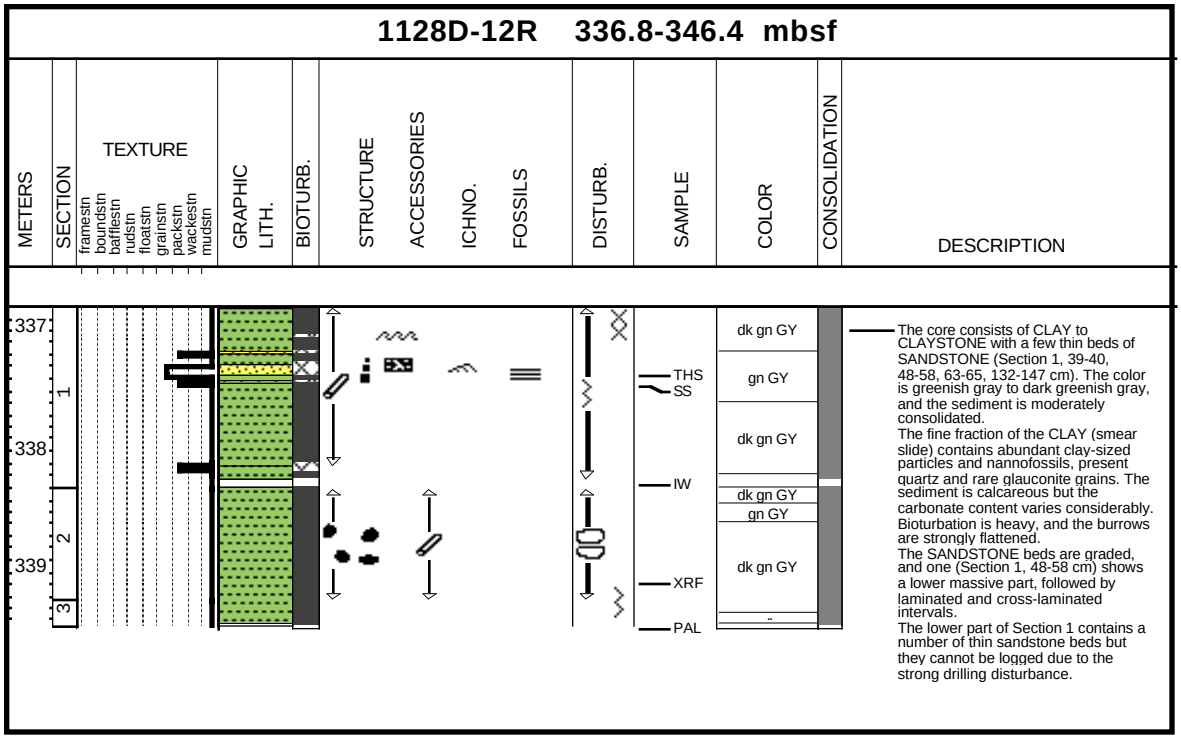
Core Photo


1128D-10R 317.6-327.2 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
318
319
320
321
322
1
2
3
4
5
gn GY
dk gn GY
gn GY
dk gn GY
gn GY
dk gn GY
IW
SS
PAL
XRF
PAL
The core consists of CLAY to CLAYSTONE. The color varies between dark greenish gray and greenish gray with a thin light greenish interval in Section 2 (63-68 cm). The sediment has a low, variable carbonate content, and is moderately consolidated, except for more indurated lighter colored intervals and small patches. The fine fraction (smear slide) contains dominant clay minerals, common nannofossils, present quartz, and rare opague grains. The sediment is heavily bioturbated, burrows are strongly flattened, and scattered Zoophycos, Chondrites, and Palaeophycus are recognized.

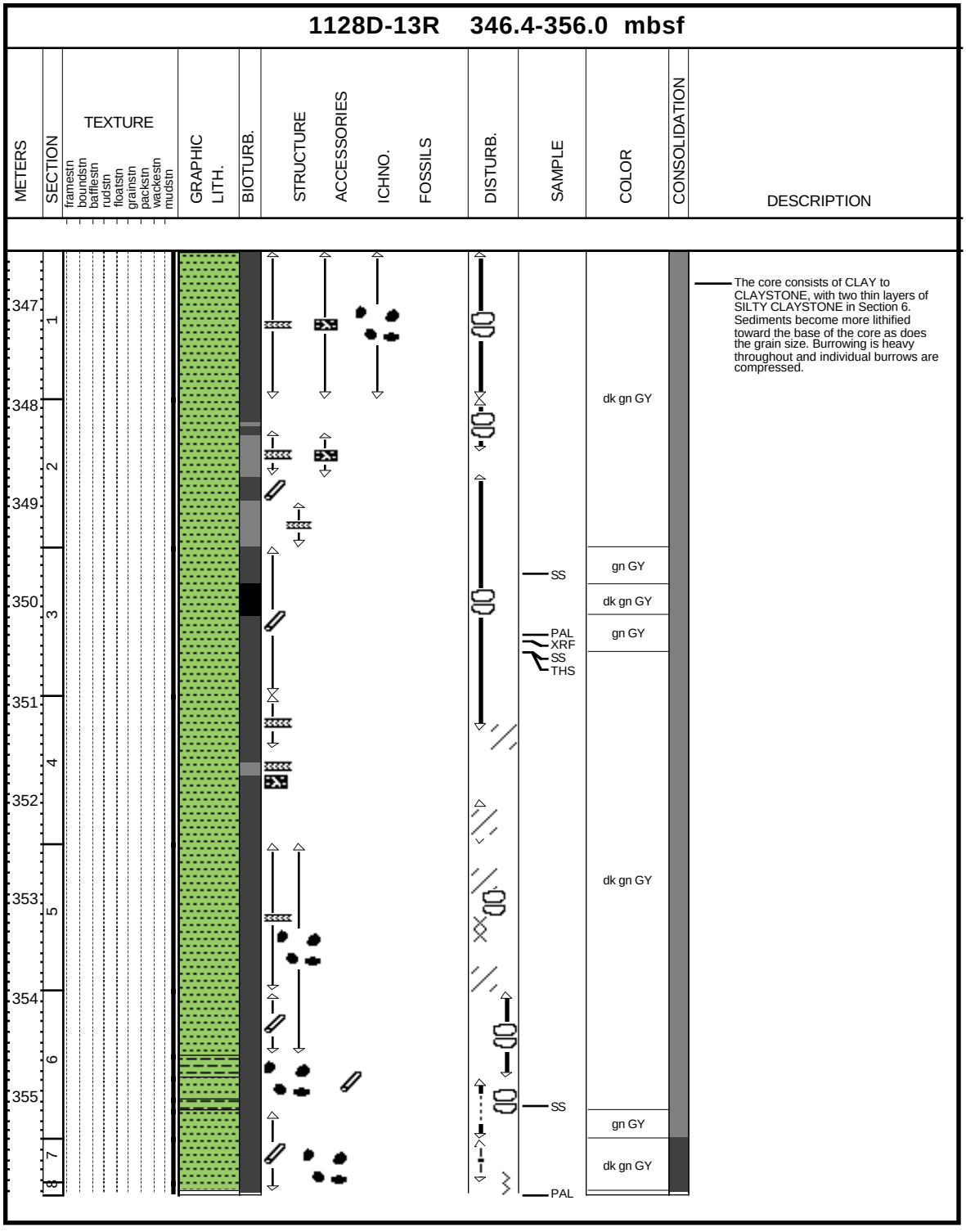
Core Photo


1128D-11R 327.2-336.8 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
328
329
330
331
332
1
2
3
4
5
SS
XRF
PAL
dk gn GY
The core consists of a partially lithified CLAY to CLAYSTONE. The color is dark greenish gray, but small light gray lenses are scattered throughout. These appear to more indurated than the matrix, and some occur as fillings of Planolites and Chondrites burrows. Burrowing is heavy throughout and includes Zoophycos, as well as Planolites and Chondrites. Most, however, are compressed and difficult to identify.

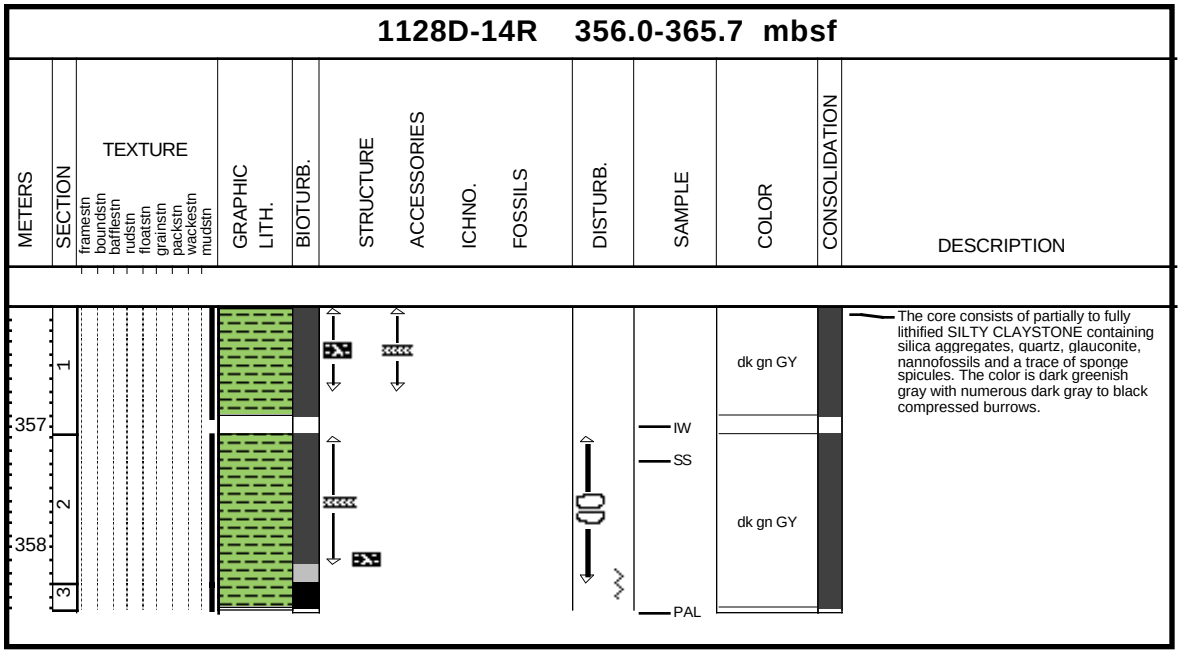
Core Photo


1128D-12R 336.8-346.4 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
337
338
339
1
2
3
THS
SS
IW
XRF
PAL
dk gn GY
gn GY
dk gn GY
dk gn GY
gn GY
dk gn GY
The core consists of CLAY to CLAYSTONE with a few thin beds of SANDSTONE (Section 1, 39-40, 48-58, 63-65, 132-147 cm). The color is greenish gray to dark greenish gray, and the sediment is moderately consolidated.
The fine fraction of the CLAY (smear slide) contains abundant clay-sized particles and nannofossils, present quartz and rare glauconite grains. The sediment is calcareous but the carbonate content varies considerably.
Bioturbation is heavy, and the burrows are strongly flattened.
The SANDSTONE beds are graded, and one (Section 1, 48-58 cm) shows a lower massive part, followed by laminated and cross-laminated intervals.
The lower part of Section 1 contains a number of thin sandstone beds but they cannot be logged due to the strong drilling disturbance.

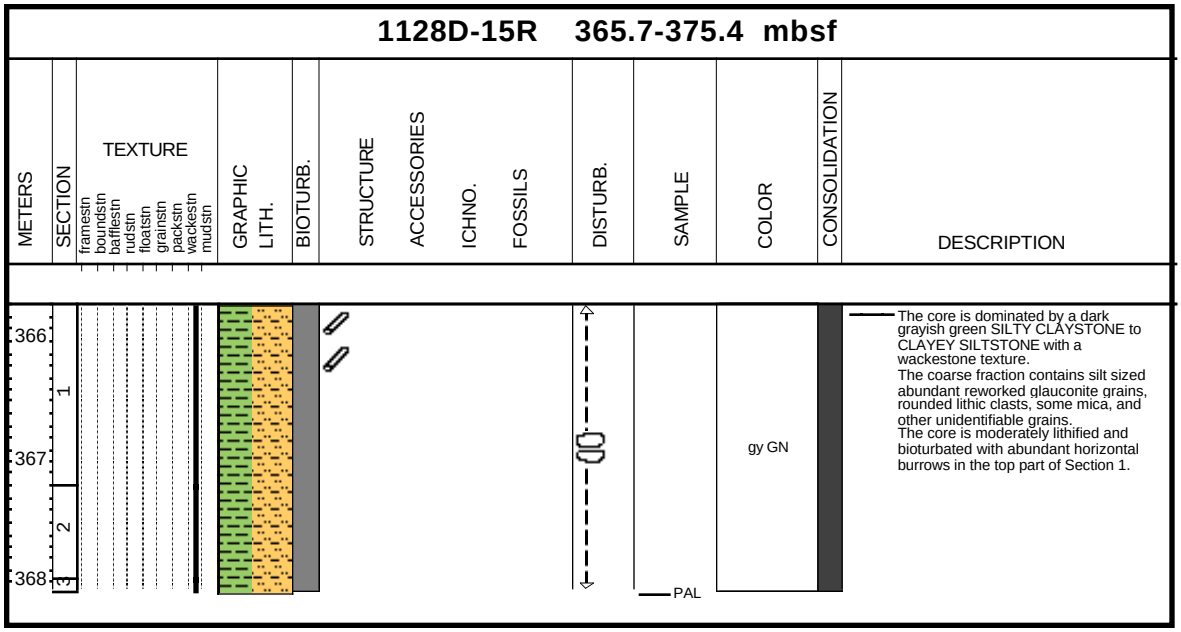
Core Photo


1128D-13R 346.4-356.0 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
347
348
349
350
351
352
353
354
355
1
2
3
4
5
6
7
8
The core consists of CLAY to CLAYSTONE, with two thin layers of SILTY CLAYSTONE in Section 6. Sediments become more lithified toward the base of the core as does the grain size. Burrowing is heavy throughout and individual burrows are compressed.
dk gn GY
gn GY
dk gn GY
gn GY
dk gn GY
gn GY
dk gn GY
SS
PAL
XRF
SS
THS
SS
PAL

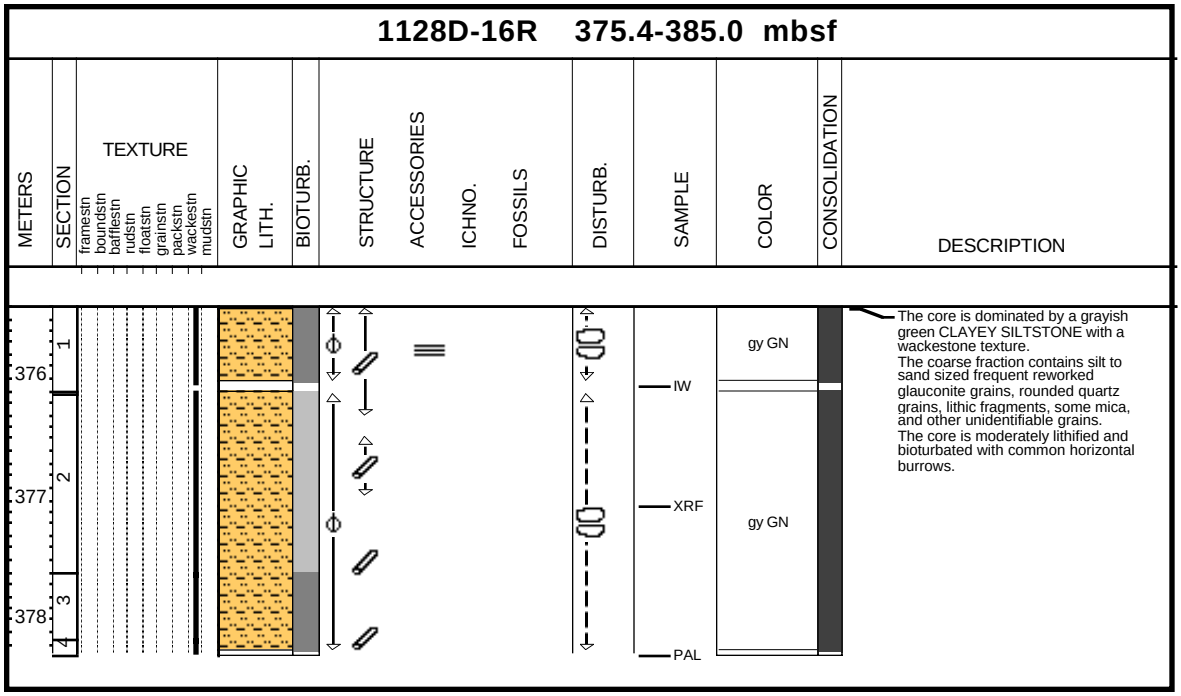
Core Photo


1128D-14R 356.0-365.7 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
357
358
1
2
3
IW
SS
PAL
dk gn GY
dk gn GY
The core consists of partially to fully lithified SILTY CLAYSTONE containing silica aggregates, quartz, glauconite, nannofossils and a trace of sponge spicules. The color is dark greenish gray with numerous dark gray to black compressed burrows.

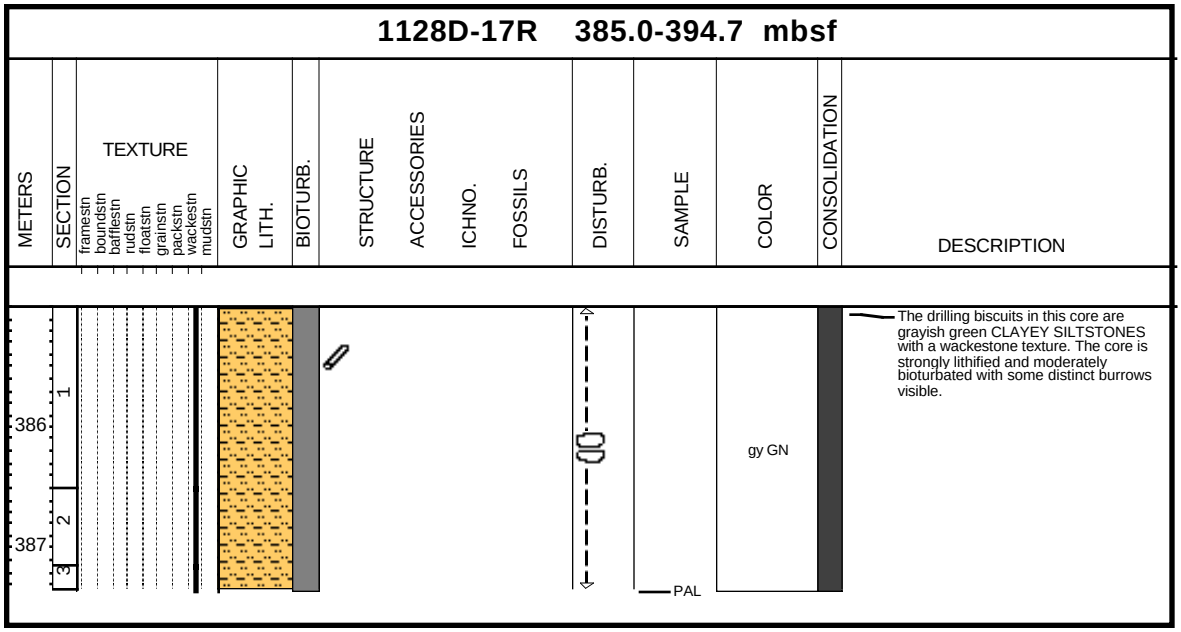
Core Photo


1128D-15R 365.7-375.4 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
366
367
368
1
2
3
gy GN
PAL
The core is dominated by a dark grayish green SILTY CLAYSTONE to CLAYEY SILTSTONE with a wackestone texture.
The coarse fraction contains silt sized abundant reworked glauconite grains, rounded lithic clasts, some mica, and other unidentifiable grains.
The core is moderately lithified and bioturbated with abundant horizontal burrows in the top part of Section 1.

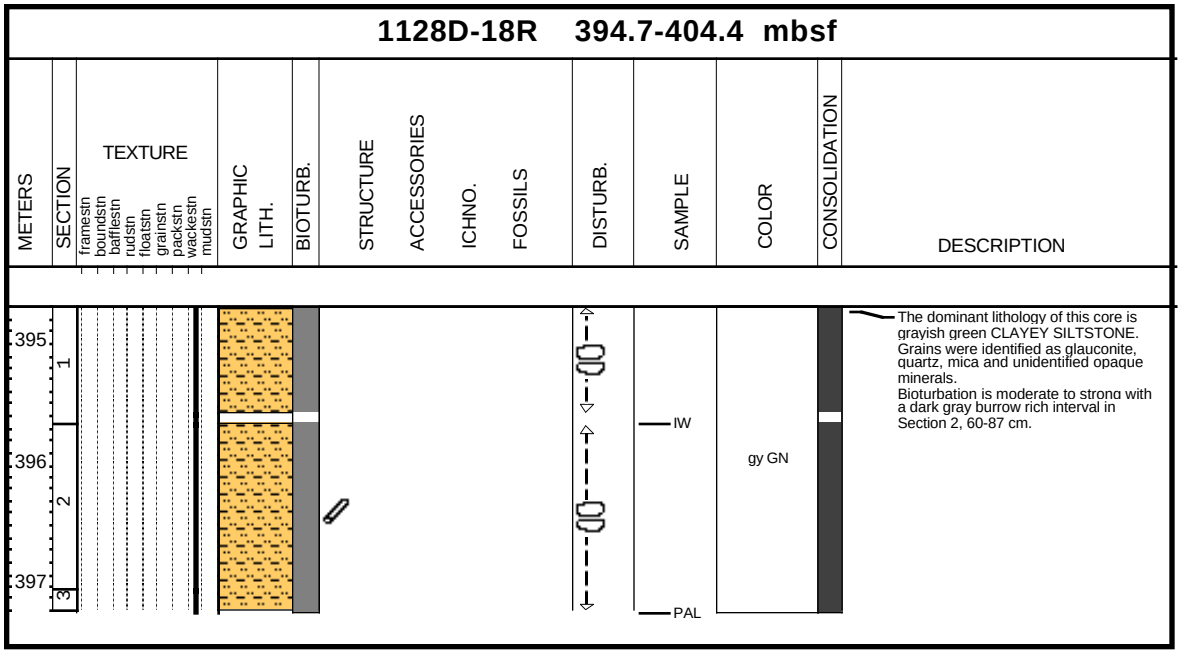
Core Photo


1128D-16R 375.4-385.0 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
376
377
378
1
2
3
4
IW
XRF
PAL
gy GN
gy GN
The core is dominated by a grayish green CLAYEY SILTSTONE with a wackestone texture.
The coarse fraction contains silt to sand sized frequent reworked glauconite grains, rounded quartz grains, lithic fragments, some mica, and other unidentifiable grains.
The core is moderately lithified and bioturbated with common horizontal burrows.

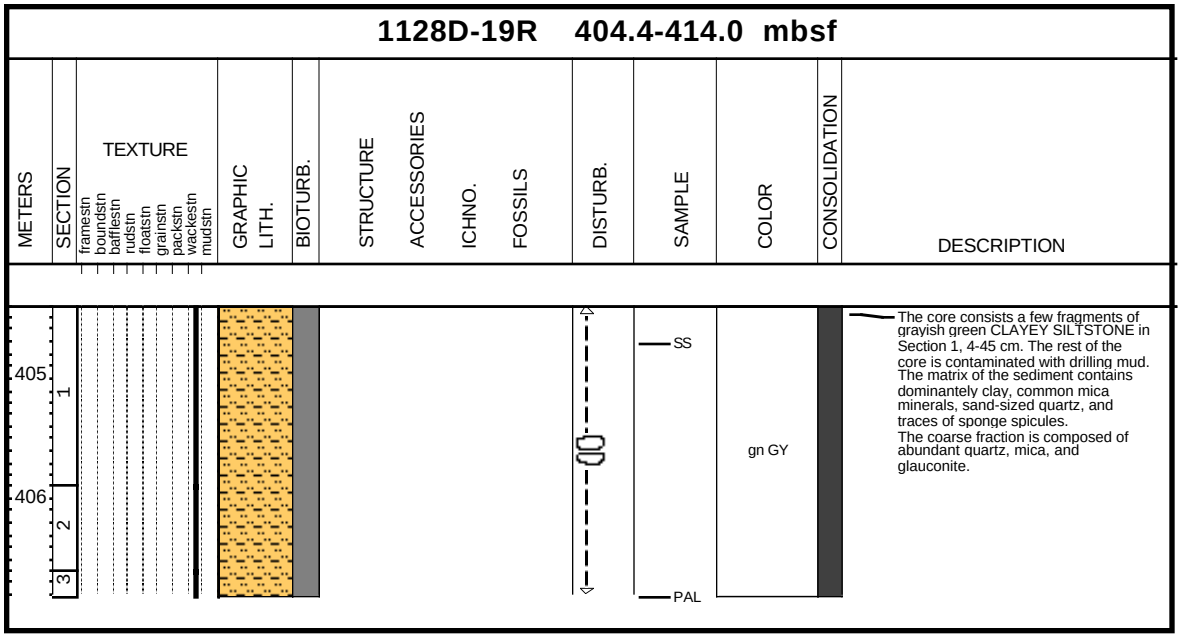
Core Photo


1128D-17R 385.0-394.7 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
386
387
1
2
3
gy GN
PAL
The drilling biscuits in this core are grayish green CLAYEY SILTSTONES with a wackestone texture. The core is strongly lithified and moderately bioturbated with some distinct burrows visible.

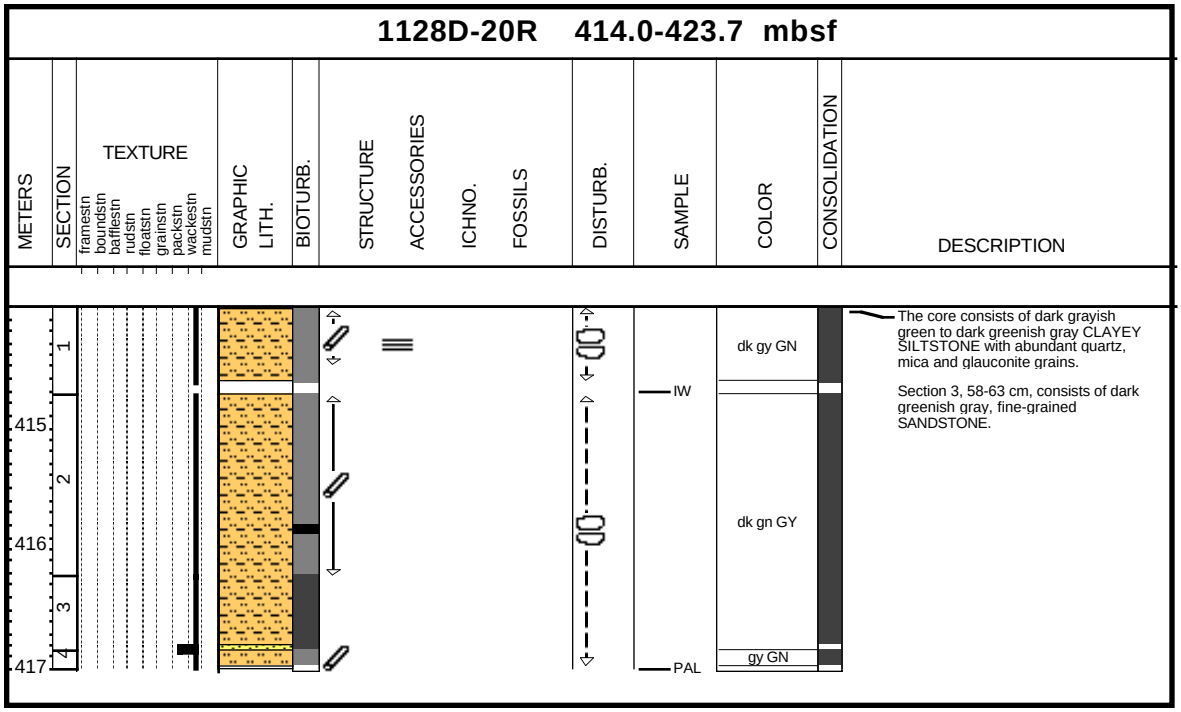
Core Photo


1128D-18R 394.7-404.4 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
395
396
397
1
2
3
IW
PAL
gy GN
The dominant lithology of this core is grayish green CLAYEY SILTSTONE. Grains were identified as glauconite, quartz, mica and unidentified opaque minerals.
Bioturbation is moderate to strong with a dark gray burrow rich interval in Section 2, 60-87 cm.

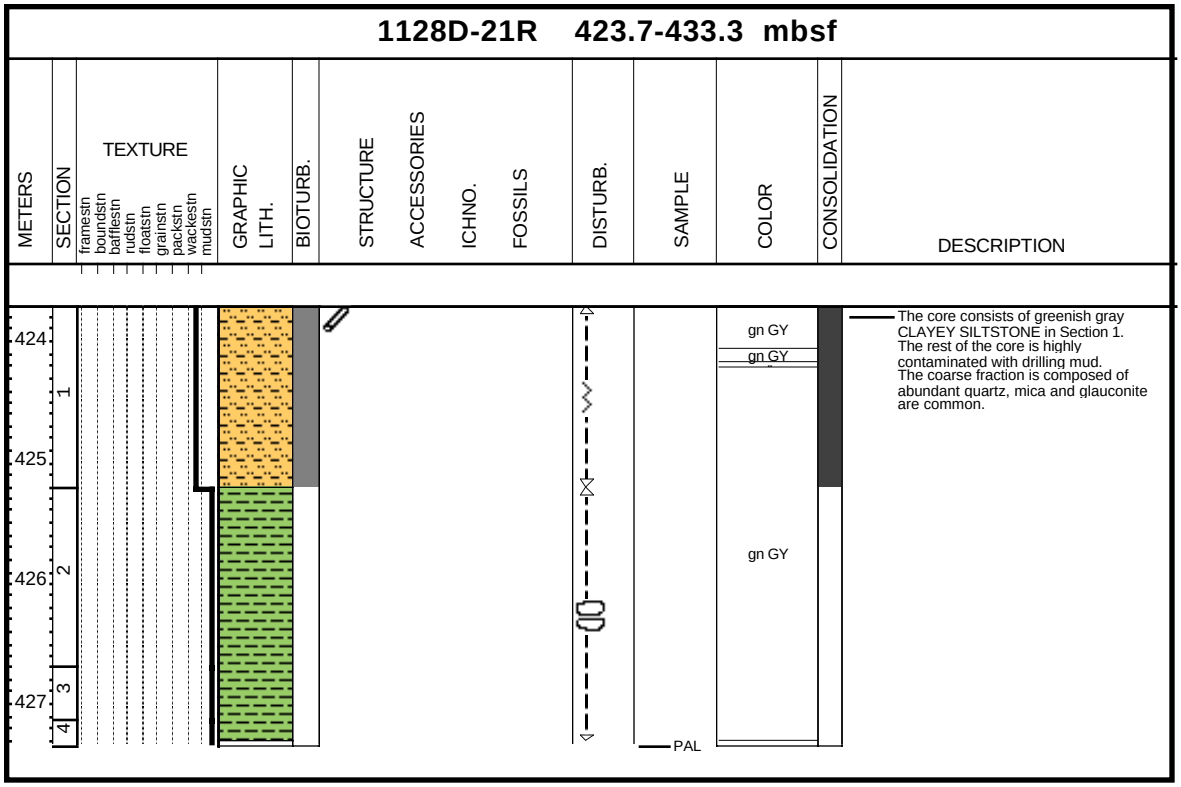
Core Photo


1128D-19R 404.4-414.0 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
405
406
1
2
3
SS
PAL
gn GY
The core consists a few fragments of grayish green CLAYEY SILTSTONE in Section 1, 4-45 cm. The rest of the core is contaminated with drilling mud. The matrix of the sediment contains dominantely clay, common mica minerals, sand-sized quartz, and traces of sponge spicules. The coarse fraction is composed of abundant quartz, mica, and glauconite.

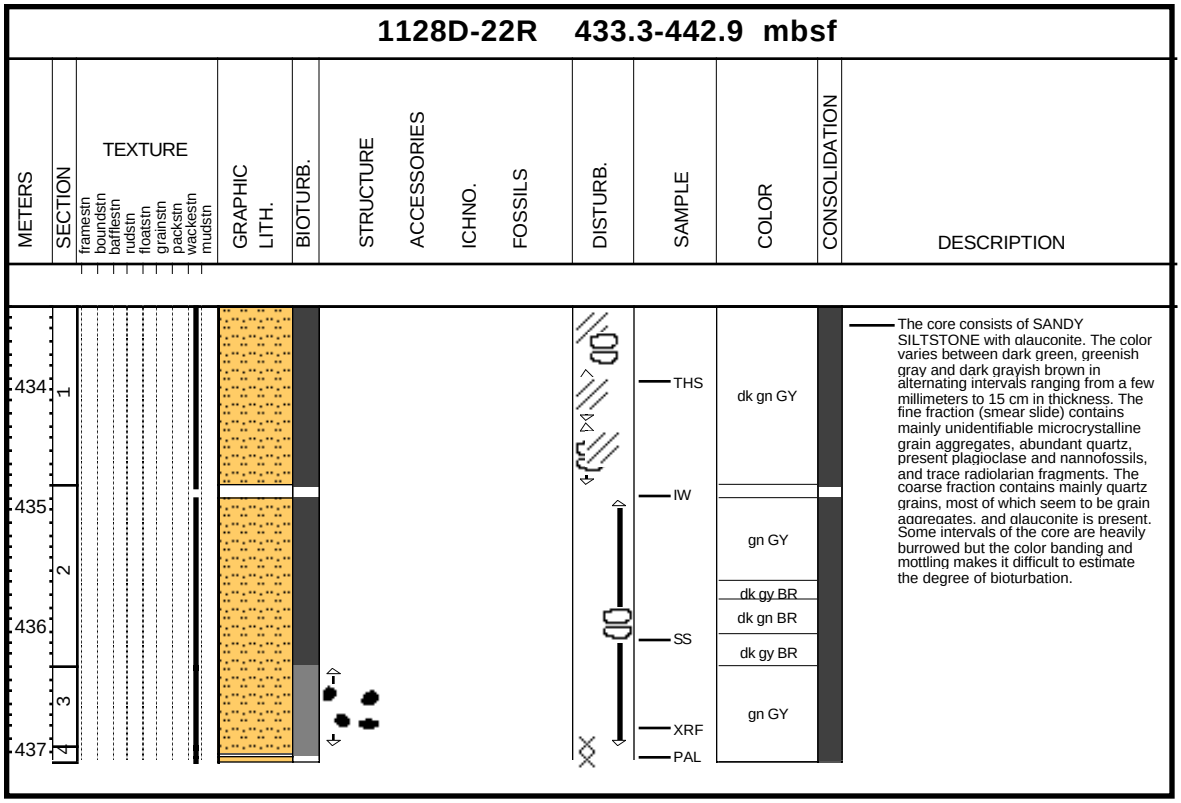
Core Photo


1128D-20R 414.0-423.7 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
415
416
417
1
2
3
4
IW
PAL
dk gy GN
dk gn GY
gy GN
The core consists of dark grayish green to dark greenish gray CLAYEY SILTSTONE with abundant quartz, mica and glauconite grains.
Section 3, 58-63 cm, consists of dark greenish gray, fine-grained SANDSTONE.

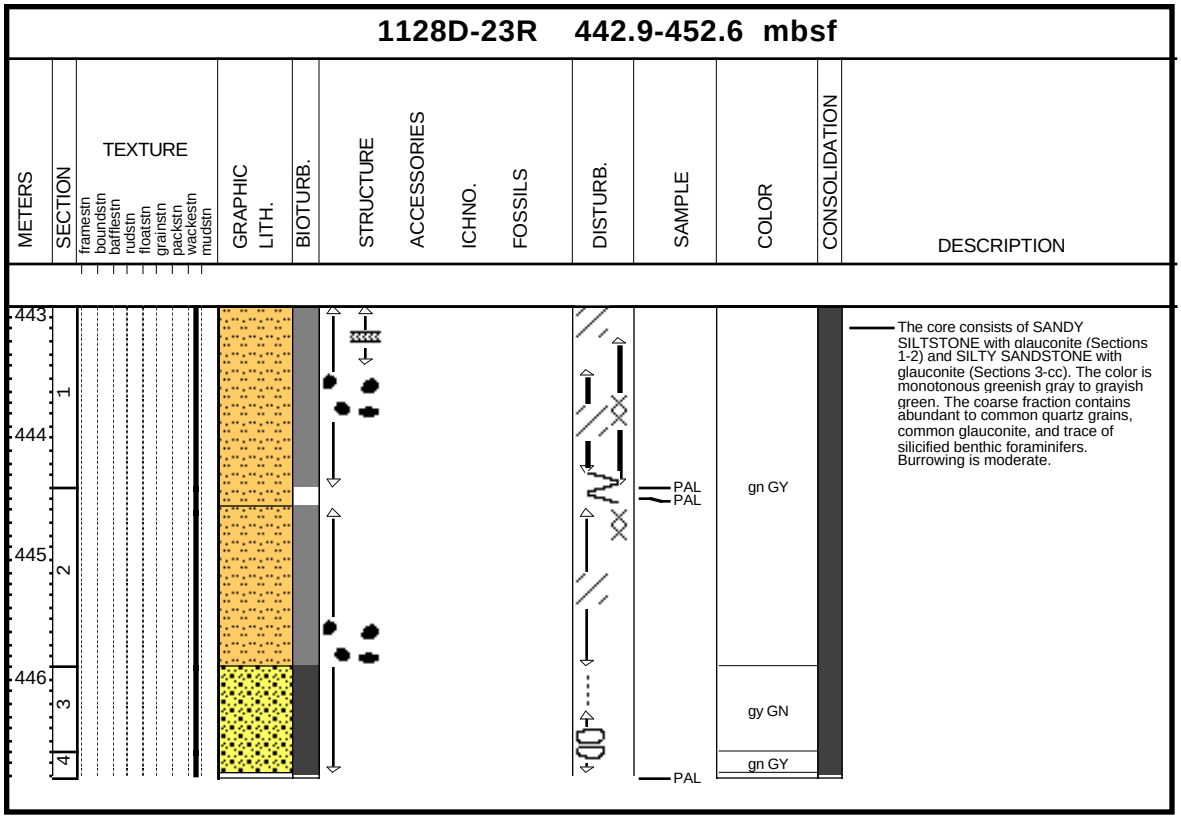
Core Photo


1128D-21R 423.7-433.3 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
424
425
426
427
1
2
3
4
gn GY
gn GY
gn GY
PAL
The core consists of greenish gray CLAYEY SILTSTONE in Section 1. The rest of the core is highly contaminated with drilling mud. The coarse fraction is composed of abundant quartz, mica and glauconite are common.

Core Photo


1128D-22R 433.3-442.9 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
434
435
436
437
1
2
3
4
THS
IW
SS
XRF
PAL
dk gn GY
gn GY
dk gy BR
dk gn BR
dk gy BR
gn GY
The core consists of SANDY SILTSTONE with glauconite. The color varies between dark green, greenish gray and dark grayish brown in alternating intervals ranging from a few millimeters to 15 cm in thickness. The fine fraction (smear slide) contains mainly unidentifiable microcrystalline grain aggregates, abundant quartz, present plagioclase and nannofossils, and trace radiolarian fragments. The coarse fraction contains mainly quartz grains, most of which seem to be grain aggregates, and glauconite is present. Some intervals of the core are heavily burrowed but the color banding and mottling makes it difficult to estimate the degree of bioturbation.

Core Photo


1128D-23R 442.9-452.6 mbsf
METERS
SECTION
TEXTURE
framestn
boundstn
baffflestn
rudstn
floatstn
grainstn
packstn
wackestn
mudstn
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
CONSOLIDATION
DESCRIPTION
443
444
445
446
1
2
3
4
PAL
PAL
PAL
gn GY
gy GN
gn GY
The core consists of SANDY SILTSTONE with glauconite (Sections 1-2) and SILTY SANDSTONE with glauconite (Sections 3-cc). The color is monotonous greenish gray to grayish green. The coarse fraction contains abundant to common quartz grains, common glauconite, and trace of silicified benthic foraminifers. Burrowing is moderate.

Sample										Texture			Mineral								Biogenic													Rock			
Leg	Site	Hole	Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Clay	Dolomite	Fe Oxide	Glauconite	Opaques	Pyrite	Quartz	Benthic Forams	Coccolith	Diatoms	Discoaster	Echinoid Spine	Nannofossils	Planktonic Forams	Pollen	Radiolarians	Silicoflagellates	Sponge Spicules	Tunicate spine	Bioclasts	Lithoclast	Organic Debris, Organic Matter	Comments
182	1128	B	1	H	1	130	1.30	D	*					R						D					P				A	*	P			
182	1128	B	1	H	2	86	2.36	D												D					A				P	C	A			
182	1128	B	1	H	3	45	3.45	D												D					C				C	*	P			
182	1128	B	3	H	1	90	16.10	D			D		*					*	*	D					*				P		*			
182	1128	B	4	H	2	120	27.40	D			D	A		*	P	R		C		C					*									Abundant-Feldspar
182	1128	B	4	H	3	4	27.74	D			D	D			*	R		C		C					*									Common-Feldspar
182	1128	B	4	H	4	56	29.76	D			D				*					D					C				R					
182	1128	B	5	H	6	16	41.86	D			D				R			P		D															Common-Reddish grains
182	1128	B	6	H	1	130	45.00	D		C	D					*				D									C		P			Rare-Reddish brown grains
182	1128	B	6	H	3	136	48.06	D		C	D					R				D									C		R			Rare-Reddish brown grains
182	1128	B	7	H	4	67	57.67	D	A	D	C									D			*		R		P		A		P			
182	1128	B	7	H	5	92	59.42	D	P	D									R	D					P				P		P			
182	1128	B	8	H	3	106	66.76	D	P	D						C	C	*		D									C					
182	1128	B	8	H	7	47	72.17	D												D									C		A			
182	1128	B	9	H	3	55	75.75	D												D						*	C		A	*				
182	1128	B	10	H	7	50	91.20	D												D							C		A					
182	1128	B	11	H	1	90	92.10	D												D							P		A					
182	1128	B	11	H	2	100	93.70	D												D					R				R					
182	1128	B	13	H	1	110	111.30	D				P								A	P						P	*	A					
182	1128	B	13	H	4	20	114.90	D												D							*		P					
182	1128	B	14	H	1	85	120.55	M																					D					
182	1128	B	15	H	6	40	136.66	D												D					C				P		P			
182	1128	B	16	X	2	80	140.10	D												D	C	*					*		A		*		C	
182	1128	B	16	X	7	32	147.12	D												D	P	*							A					
182	1128	B	17	X	4	50	150.80	D				A								A	*						*		A					
182	1128	B	18	X	2	64	157.54	D				A								D	P								A					
182	1128	B	20	X	4	130	180.50	D				A								A							C		C		P			
182	1128	B	22	X	1	143	195.33	M				A								A	C						P		A					
182	1128	B	22	X	2	96	196.36	M				A						P		A	C						P		A					
182	1128	B	22	X	4	104	199.44	D				A								A	P						C		A					
182	1128	B	23	X	2	90	205.90	D												D							P		A					
182	1128	B	23	X	7	40	212.60	D		D					*					D	*						P		A	*				
182	1128	B	24	X	1	57	213.67	D												D							P		A	*				
182	1128	B	24	X	1	139	214.49	M								P				D	*								A					
182	1128	B	24	X	5	80	219.90	D												D							C				C			
182	1128	B	25	X	1	115	223.85	D												D	*						C		A					
182	1128	B	25	X	6	90	231.10	D												D	R						C		A					
182	1128	B	26	X	3	50	235.90	D													P			D	*		A		A	R				
182	1128	B	26	X	4	96	237.86	D											P	D	R				R		A		C					
182	1128	B	26	X	7	40	241.80	D								P								D					R					
182	1128	B	27	X	1	125	243.35	D												D	*	*					*		P					
182	1128	B	27	X	3	103	246.13	D																D	*									
182	1128	B	29	X	1	50	262.00	D				A				*								D						*				
182	1128	B	30	X	CC	18	272.66	D				D						C						*										
182	1128	C	3	H	4	90	22.90	M								R				D	*				R					*				
182	1128	C	3	H	6	55	25.55	M												D	*				*					R				
182	1128	C	5	H	5	70	43.20	D				P						R		D										R				
182	1128	C	7	H	4	25	60.25	D				D																			P			
182	1128	C	8	H	6	55	73.05	D				P						R		D					P				C		P			
182	1128	C	10	H	2	70	86.20	D												D	P						P		A	P				
182	1128	C	10	H	6	38	91.88	M												D							P		A					
182	1128	C	10	H	6	106	92.56	D				P								D							C		A	*				

Sample									Texture			Mineral							Biogenic												Rock			
Leg	Site	Hole	Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Clay	Dolomite	Fe Oxide	Glauconite	Opaques	Pyrite	Quartz	Benthic Forams	Coccolith	Diatoms	Discoaster	Echinoid Spine	Nannofossils	Planktonic Forams	Pollen	Radiolarians	Silicoflagellates	Sponge Spicules	Tunicate spine	Bioclasts	Lithoclast	Organic Debris, Organic Matter	Comments
182	1128	C	11	H	1	90	94.40	M			D									D					R				P				
182	1128	C	11	H	4	70	98.70	D		D	D	C								A							P		A					
182	1128	C	11	H	5	60	100.10	D												A	P						P		A					
182	1128	C	11	H	7	40	102.50	D												A	P						P		A					
182	1128	C	12	H	1	40	103.40	D	C		D	D								C							P		A					
182	1128	C	12	H	4	20	107.70	D	C	C	D	A								A							P		A					
182	1128	C	13	H	2	115	115.15	D				D						*		D									P					
182	1128	C	13	H	6	80	120.80	D												C							P		A					
182	1128	C	14	H	3	55	125.55	D												A	P						P		A					
182	1128	C	15	H	1	20	131.70	D				D								A		R							A	*				
182	1128	C	15	H	1	102	132.52	D											C	D					C		P		C					
182	1128	C	16	X	2	70	140.50	D												A	P						P		A	R				
182	1128	C	20	X	1	60	175.50	D			D	A						C		A	C								A					
182	1128	C	25	X	6	90	229.30	D			D	A								A	P						P		A					
182	1128	C	26	X	5	148	237.98	M			D	A								D							P		C					
182	1128	D	1	R	2	78	233.48	M			D	D								D	P				A				A		P			
182	1128	D	4	R	2	63	262.13	D			D	A								A										*				
182	1128	D	6	R	2	42	281.22	D			D	D						P		A													Trace-Feldspar
182	1128	D	8	R	1	100	299.50	D			D	D						P		C													
182	1128	D	10	R	3	50	321.10	D		P	D	D				R		P		C													
182	1128	D	11	R	2	90	329.60	D				P				R				C		R											
182	1128	D	12	R	1	66	337.46	D			D	A			*			P		A													
182	1128	D	13	R	3	26	349.66	D		D		A			R			R		P													
182	1128	D	13	R	3	110	350.50	D		D		A			P			R		P													
182	1128	D	13	R	6	110	355.00	D		D	A	A			R			C		P											P		
182	1128	D	14	R	2	22	357.27	D		A	D	A	*		R			C		P									*		R		
182	1128	D	19	R	1	30	404.70	D				D						P											*				Common-Mica;Present-Feldspar and Albite
182	1128	D	22	R	2	126	436.06	M										P		P													

Sample										Texture										Mineral																	Biogenic										Rock				
Leg	Site	Hole	Core	Type	Section	Top (cm)	Bottom (cm)	Depth (mbsf)	Lithology	Mudstone	Wackestone	Packstone	Grainstone	Floatstone	Rudstone	Boundstone	Sand	Silt	Clay	Aragonite	Biotite	Calcite	Dolomite	Glauconite	Microcline	Opaques	Plagioclase	Phosphorite	Pyrite	Rutile	Quartz	Benthic Forams	Bivalves	Bryozoa	Diatoms	Echinoid Spine	Gastropod	Nannofossils	Ostracod	Planktonic Forams	Radiolarians	Sponge Spicules	Bioclasts	Lithic Fragments	Micrite	Organic Debris, Organic Matter	Comments
182	1128	B	27	X	1	9	11	242.19 - 242.21	D				X								*			P			*				P-C			C				R	A			C	P			most foraminifers have micritic fill; cements are opal, calcedony, and calcite (prior some of opal)
182	1128	C	7	X	1	122	125	56.72 - 56.75	D								X				*			A	*		P	P	P	*	D																*	most igneous fragments, glauconite pellets appear to be aggregated; clays and glauconite are altered
182	1128	D	12	R	1	56	59	337.36 - 337.39	D								X				*			A	*	*	*				A	*		*	*				A	*	*			A			minor microspar cement on pelagic foraminifers; alteration rim on many grains, specially glauconite
182	1128	D	13	R	3	105	107	350.45 - 350.47	D										X				*	*		*					*				R												few “flakes” high color and relief”
182	1128	D	22	R	1	61	63	433.91 - 433.93	D										X		*			R							C				C					*	*	R						thin walled