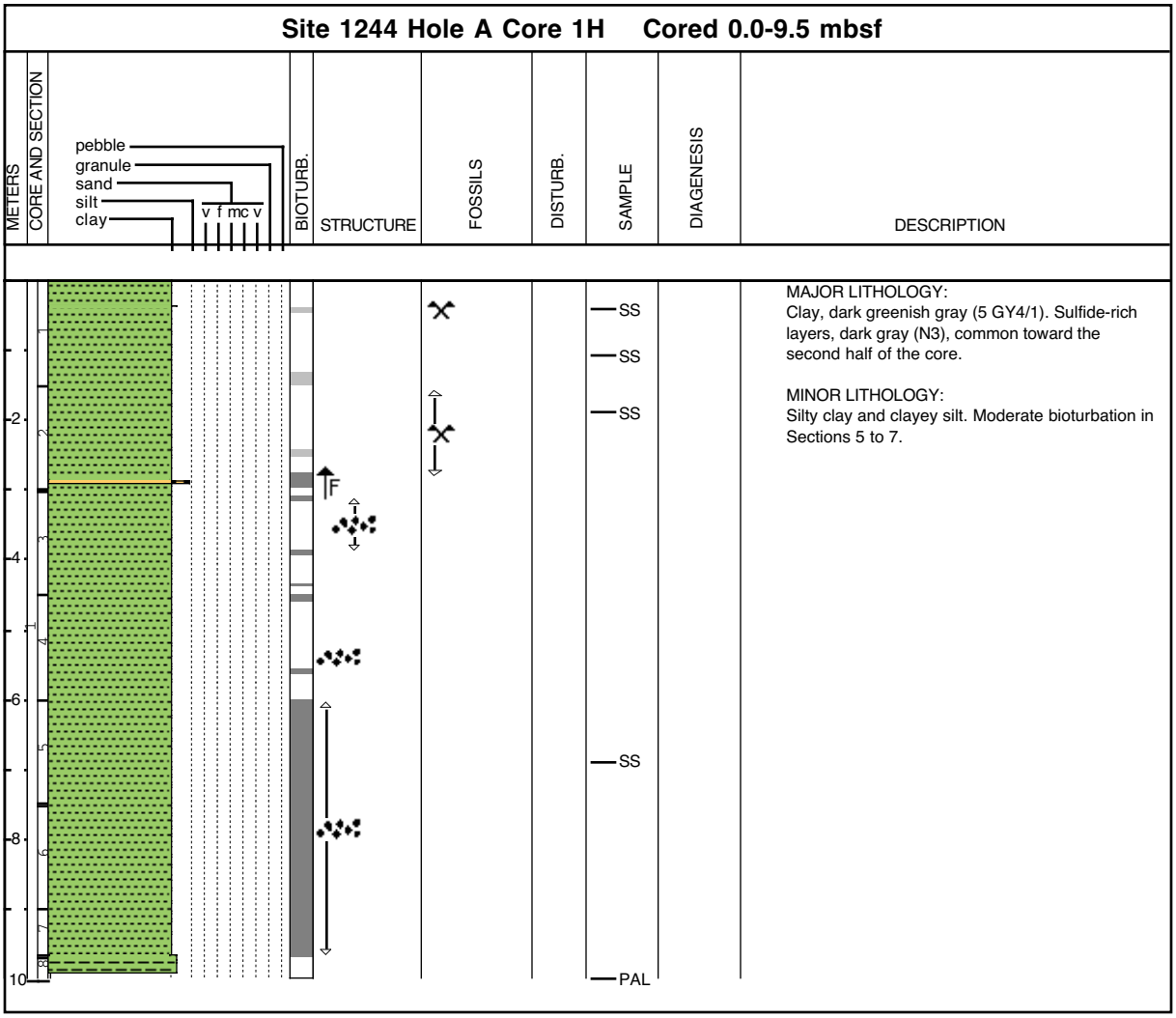
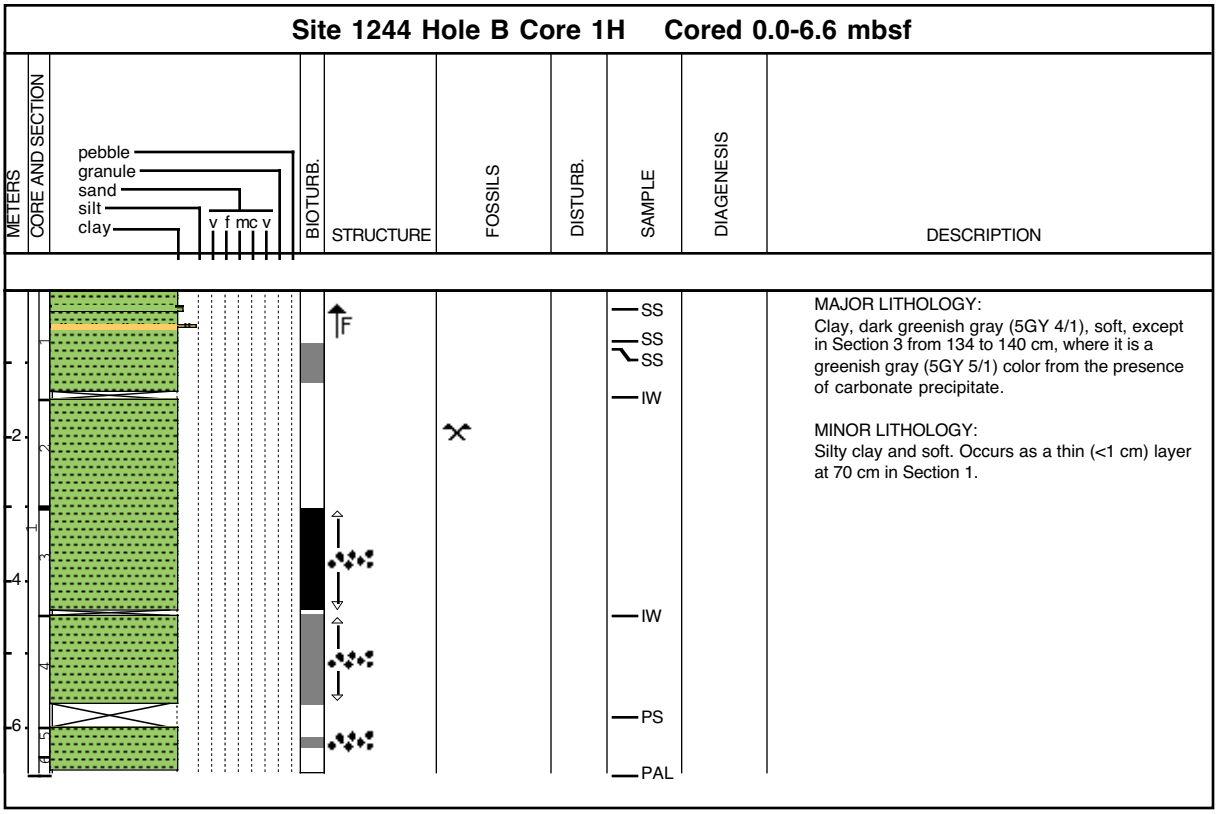
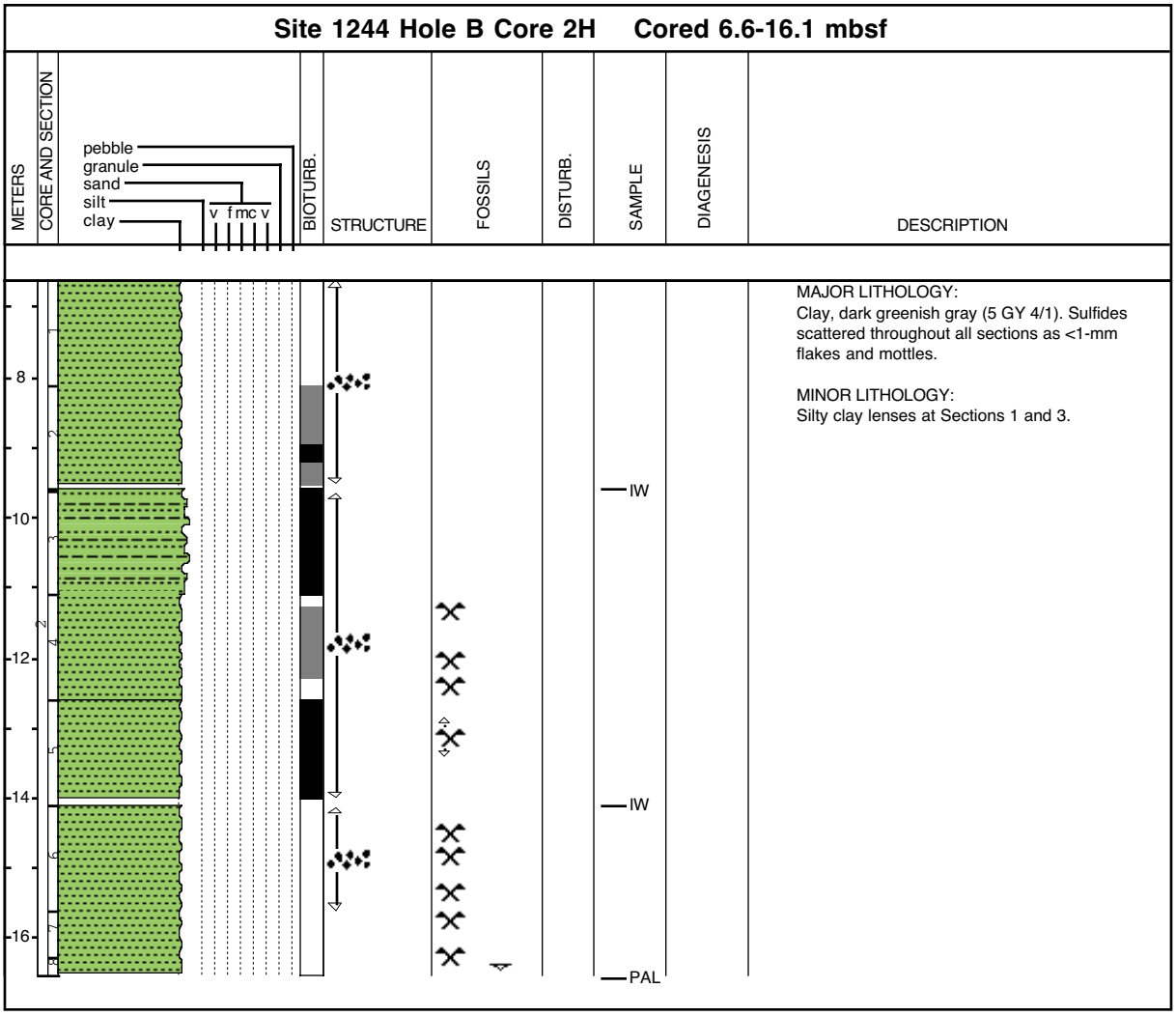
Core Photo


Site 1244 Hole A Core 1H Cored 0.0-9.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
SS
SS
SS
SS
PAL
F
MAJOR LITHOLOGY:
Clay, dark greenish gray (5 GY4/1). Sulfide-rich layers, dark gray (N3), common toward the second half of the core.
MINOR LITHOLOGY:
Silty clay and clayey silt. Moderate bioturbation in Sections 5 to 7.

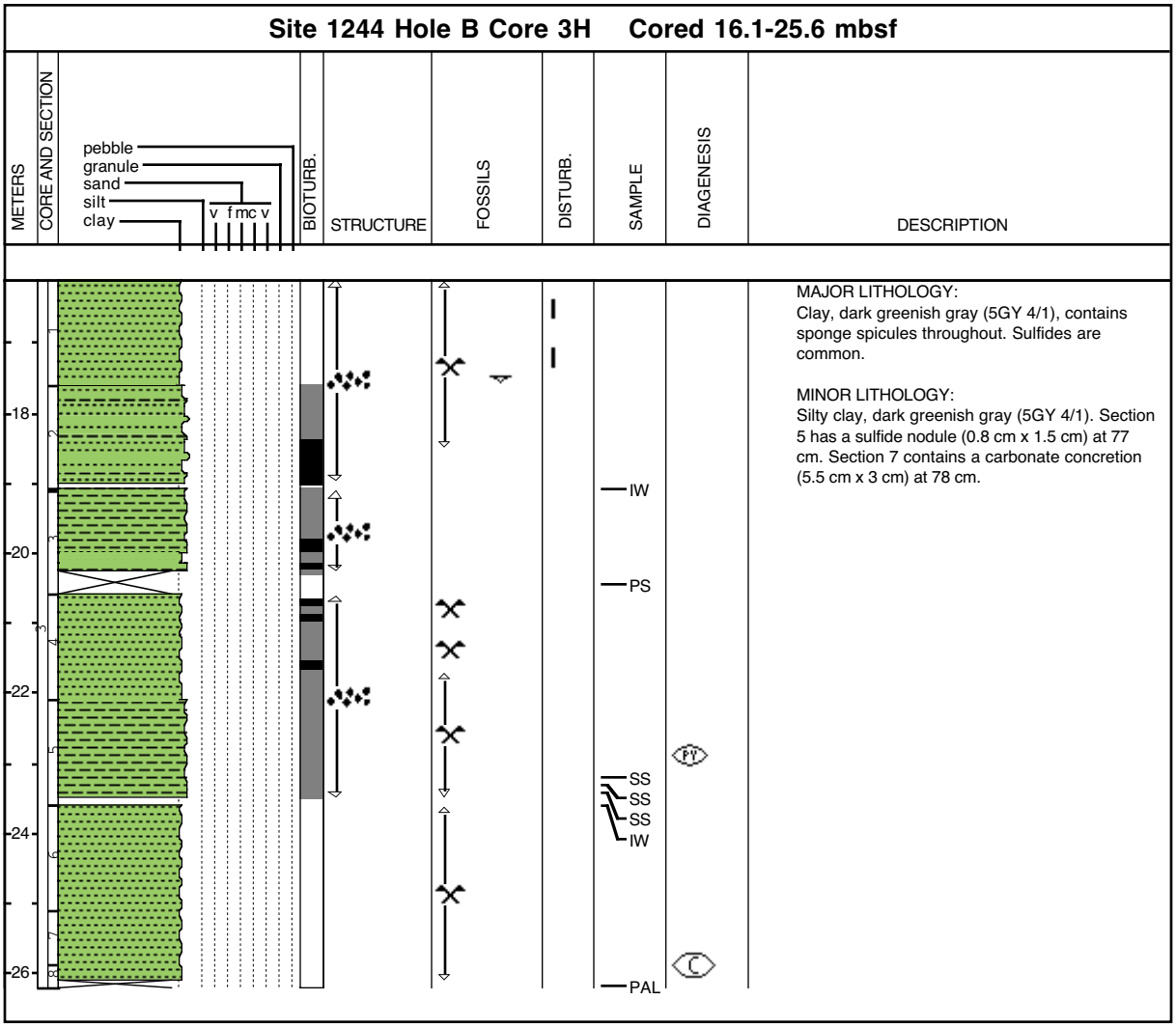
Core Photo


Site 1244 Hole B Core 1H Cored 0.0-6.6 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
F
SS
SS
SS
IW
IW
PS
PAL
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1), soft, except in Section 3 from 134 to 140 cm, where it is a greenish gray (5GY 5/1) color from the presence of carbonate precipitate.
MINOR LITHOLOGY:
Silty clay and soft. Occurs as a thin (<1 cm) layer at 70 cm in Section 1.

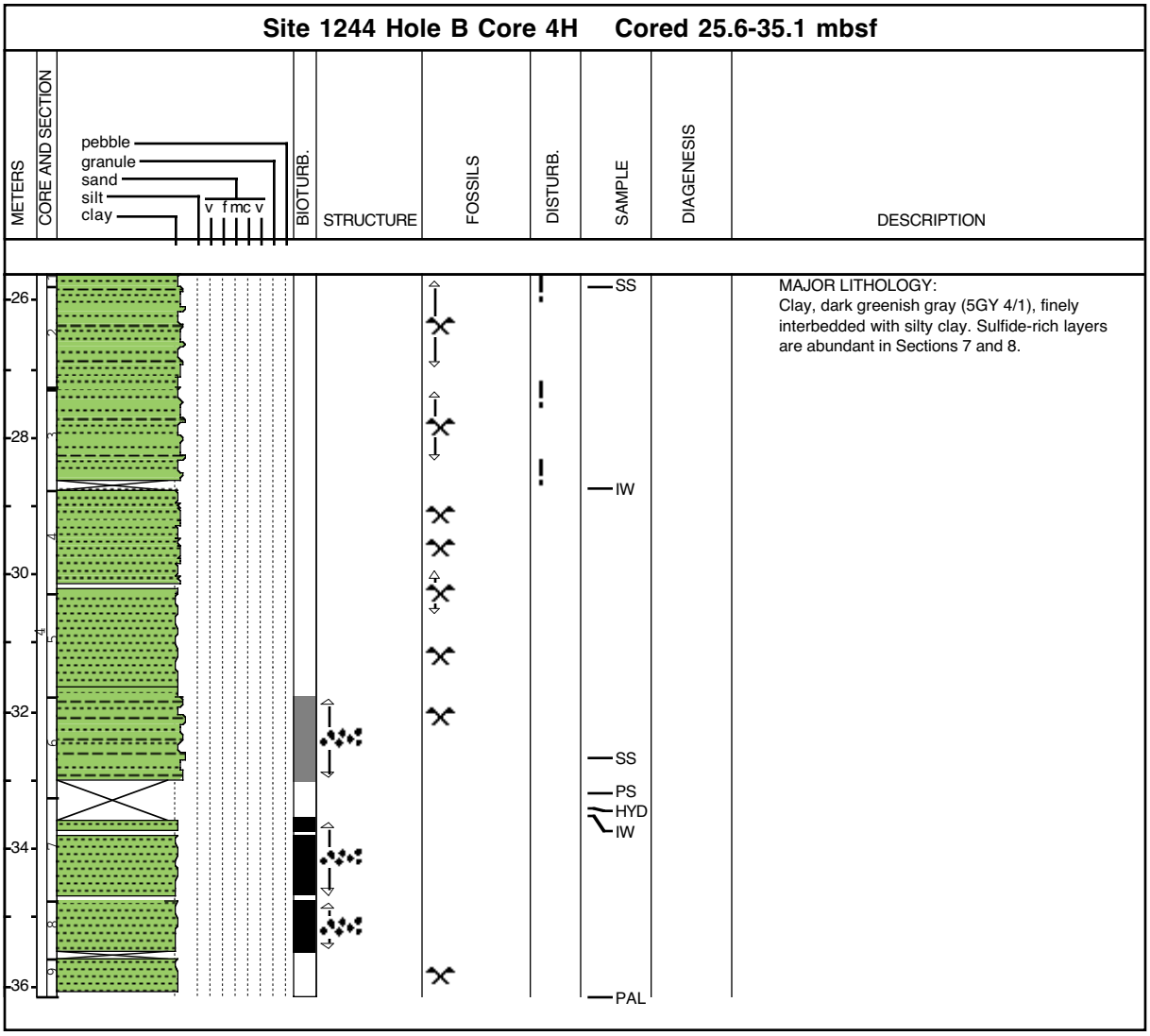
Core Photo


Site 1244 Hole B Core 2H Cored 6.6-16.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
8
10
12
14
16
IW
IW
PAL
MAJOR LITHOLOGY:
Clay, dark greenish gray (5 GY 4/1). Sulfides scattered throughout all sections as <1-mm flakes and mottles.
MINOR LITHOLOGY:
Silty clay lenses at Sections 1 and 3.

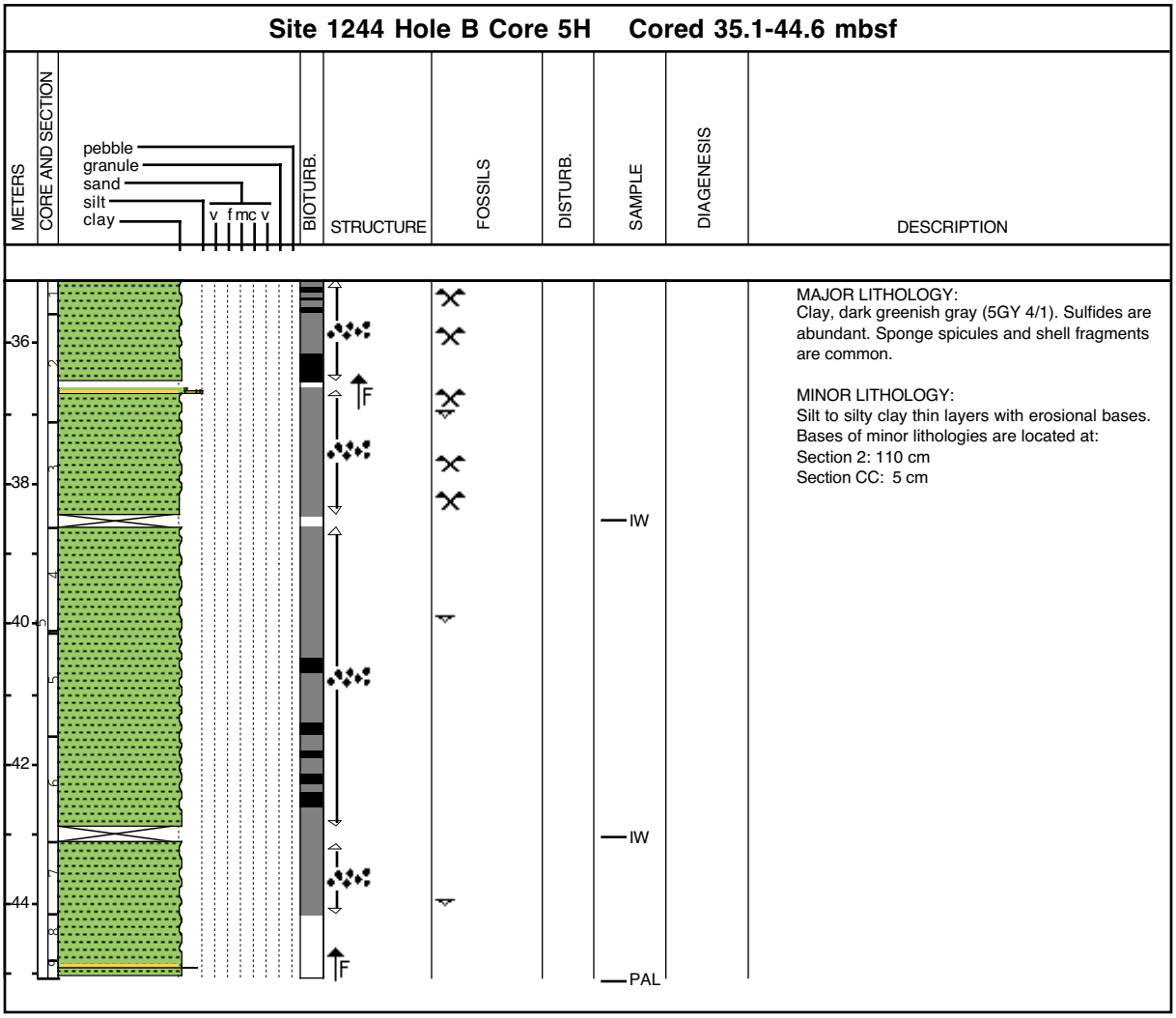
Core Photo


Site 1244 Hole B Core 3H Cored 16.1-25.6 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
18
20
22
24
26
IW
PS
SS
SS
SS
IW
PAL
PY
C
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1), contains sponge spicules throughout. Sulfides are common.
MINOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1). Section 5 has a sulfide nodule (0.8 cm x 1.5 cm) at 77 cm. Section 7 contains a carbonate concretion (5.5 cm x 3 cm) at 78 cm.

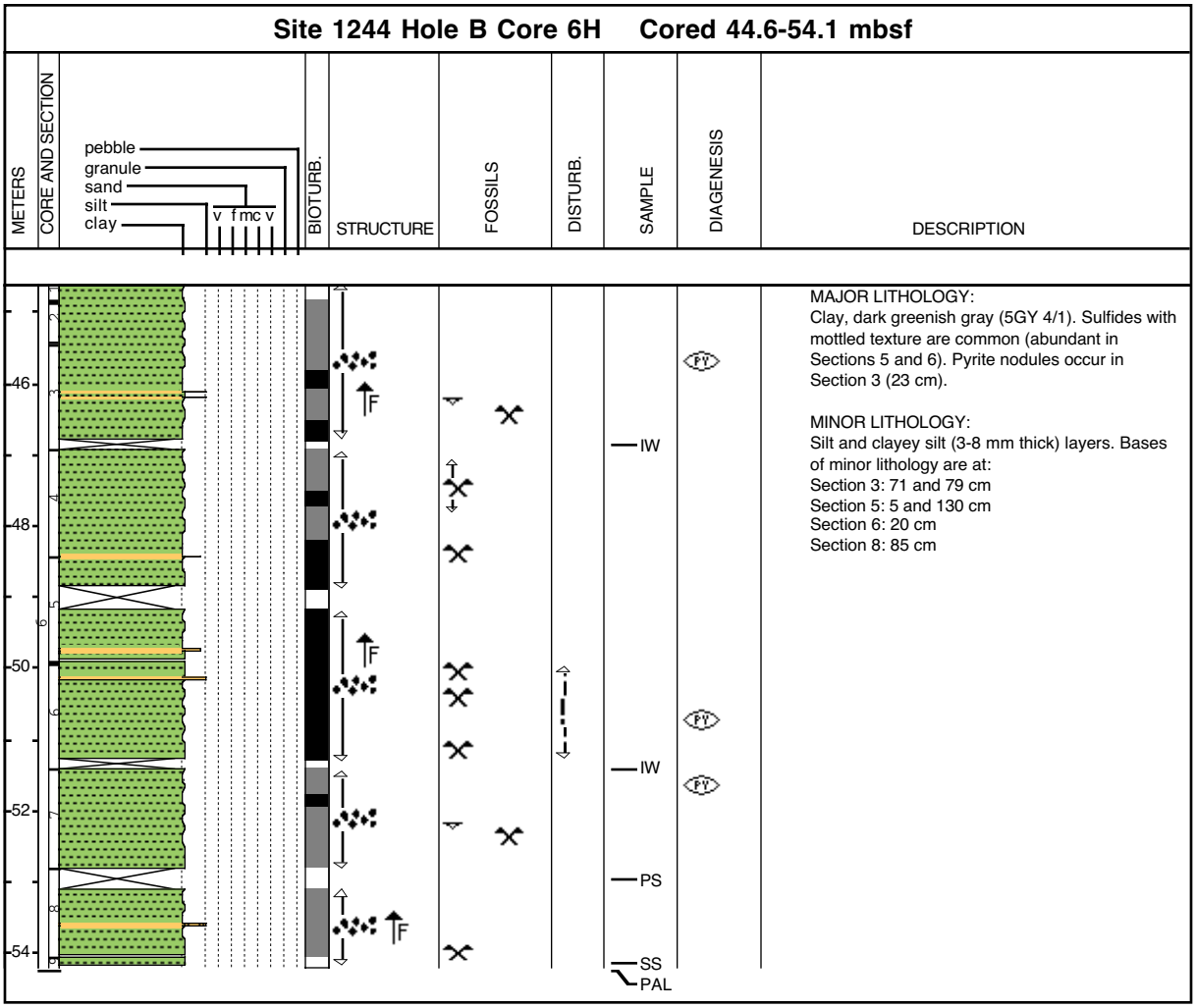
Core Photo


Site 1244 Hole B Core 4H Cored 25.6-35.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
26
28
30
32
34
36
SS
IW
SS
PS
HYD
IW
PAL
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1), finely interbedded with silty clay. Sulfide-rich layers are abundant in Sections 7 and 8.

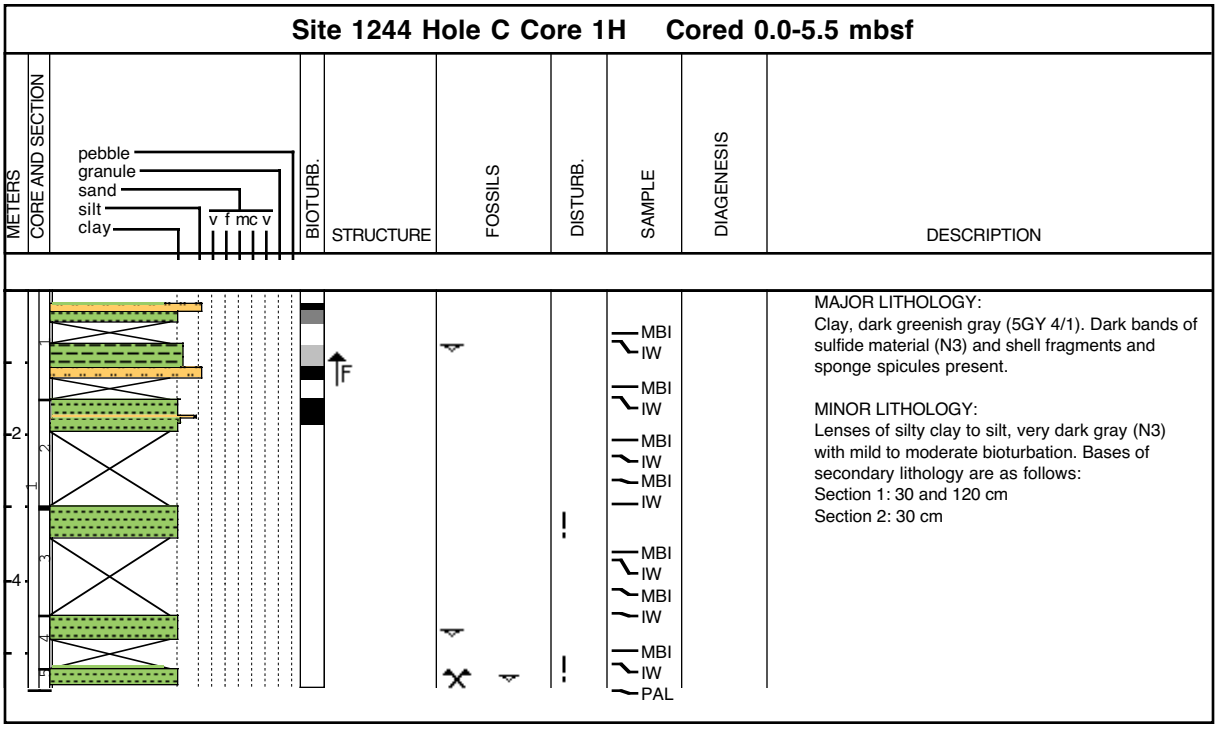
Core Photo


Site 1244 Hole B Core 5H Cored 35.1-44.6 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
36
38
40
42
44
IW
IW
PAL
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). Sulfides are abundant. Sponge spicules and shell fragments are common.
MINOR LITHOLOGY:
Silt to silty clay thin layers with erosional bases.
Bases of minor lithologies are located at:
Section 2: 110 cm
Section CC: 5 cm

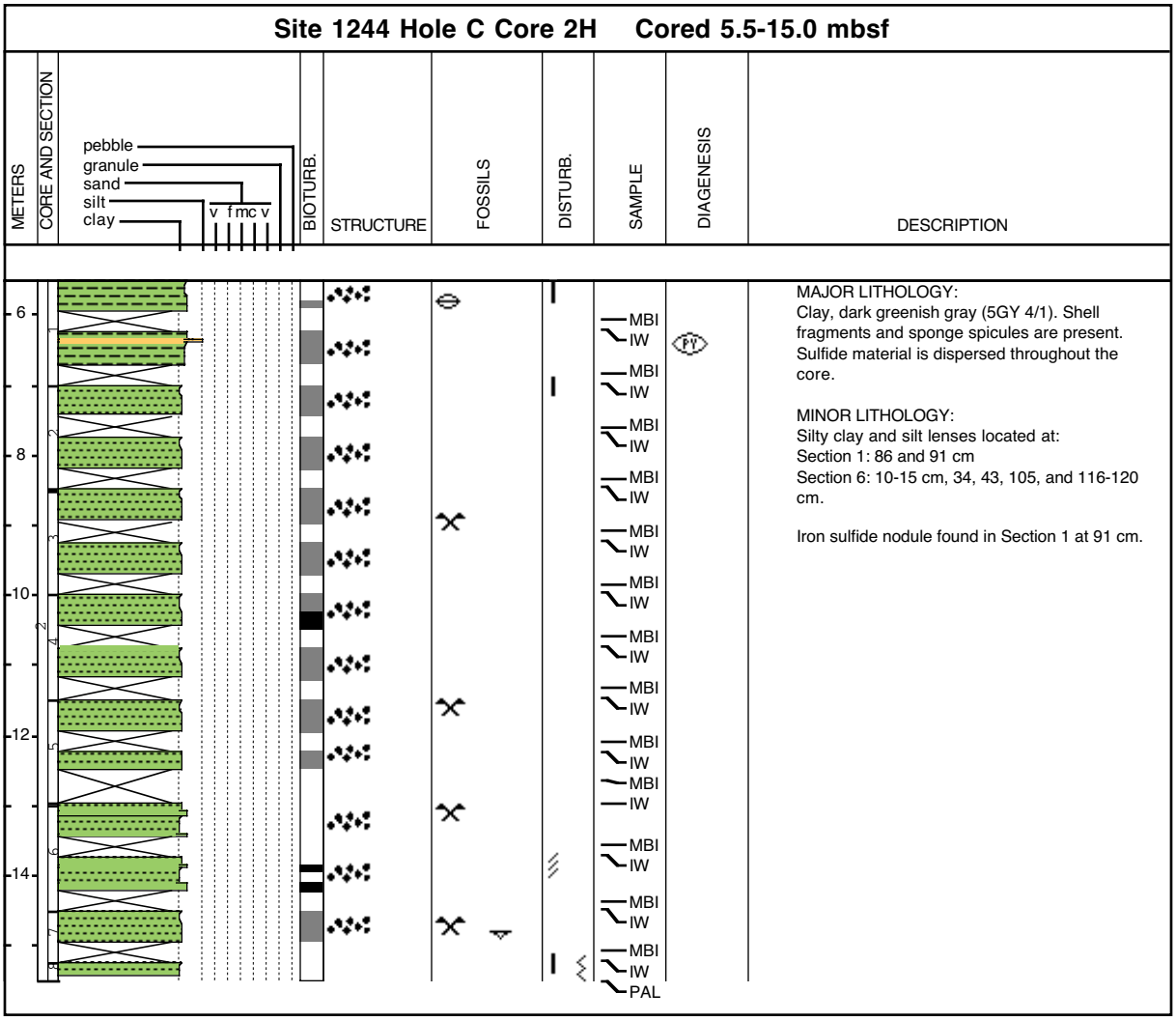
Core Photo


Site 1244 Hole B Core 6H Cored 44.6-54.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
46
48
50
52
54
F
IW
IW
PS
SS
PAL
PY
PY
PY
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). Sulfides with mottled texture are common (abundant in Sections 5 and 6). Pyrite nodules occur in Section 3 (23 cm).
MINOR LITHOLOGY:
Silt and clayey silt (3-8 mm thick) layers. Bases of minor lithology are at:
Section 3: 71 and 79 cm
Section 5: 5 and 130 cm
Section 6: 20 cm
Section 8: 85 cm

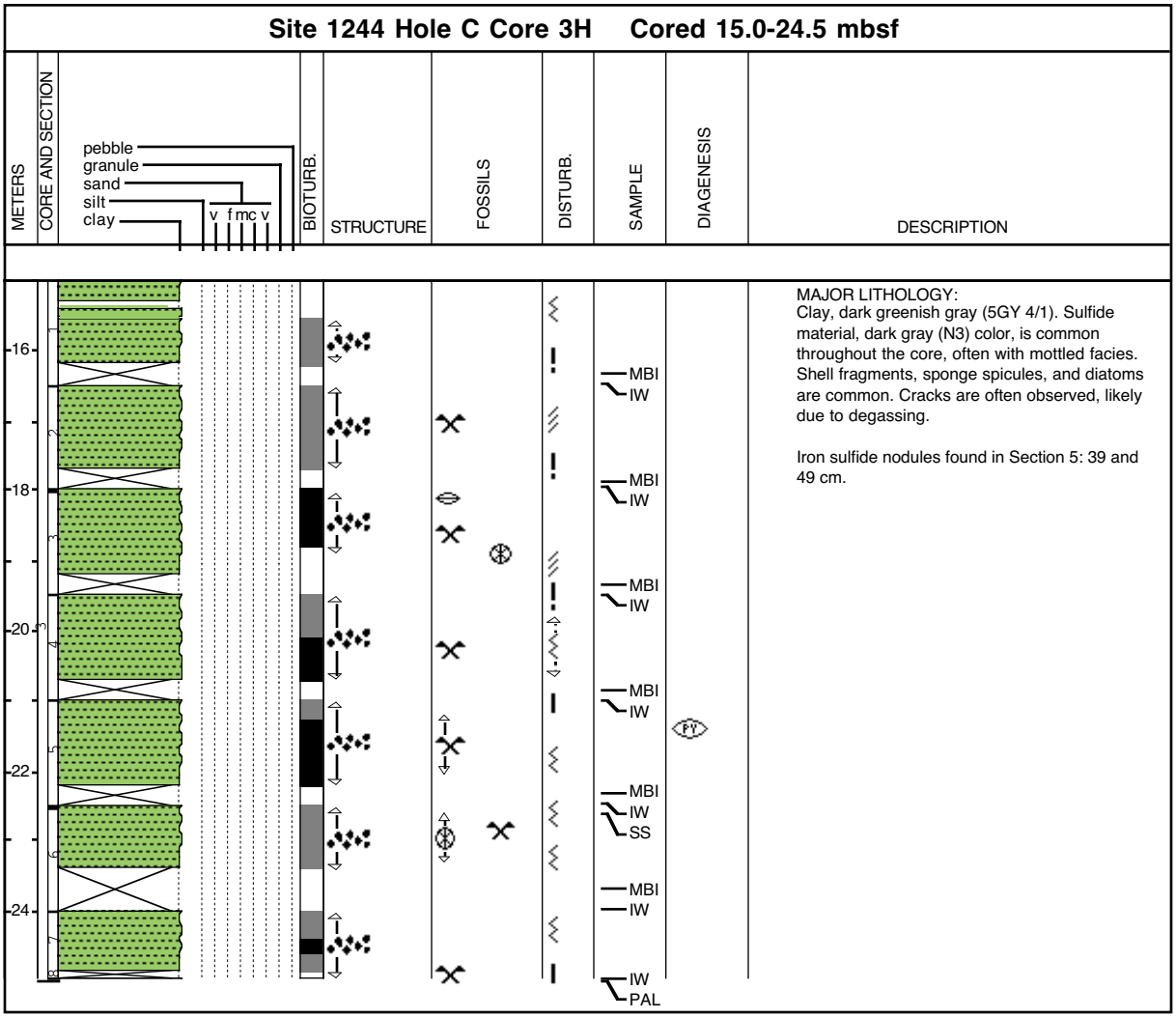
Core Photo


Site 1244 Hole C Core 1H Cored 0.0-5.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
F
MBI
IW
PAL
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). Dark bands of sulfide material (N3) and shell fragments and sponge spicules present.
MINOR LITHOLOGY:
Lenses of silty clay to silt, very dark gray (N3) with mild to moderate bioturbation. Bases of secondary lithology are as follows:
Section 1: 30 and 120 cm
Section 2: 30 cm

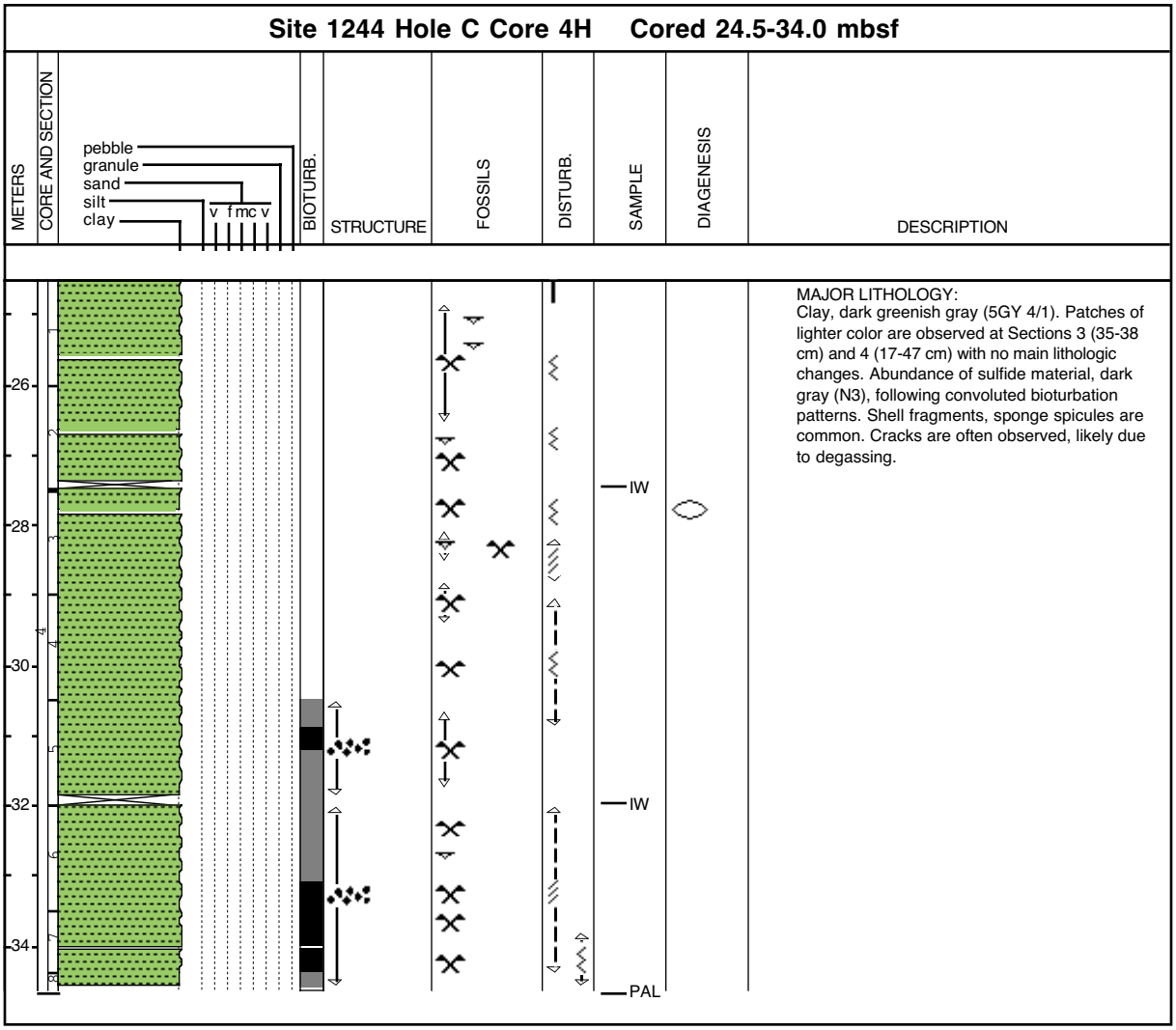
Core Photo


Site 1244 Hole C Core 2H Cored 5.5-15.0 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
6
8
10
12
14
MBI
IW
PAL
PY
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). Shell fragments and sponge spicules are present. Sulfide material is dispersed throughout the core.
MINOR LITHOLOGY:
Silty clay and silt lenses located at:
Section 1: 86 and 91 cm
Section 6: 10-15 cm, 34, 43, 105, and 116-120 cm.
Iron sulfide nodule found in Section 1 at 91 cm.

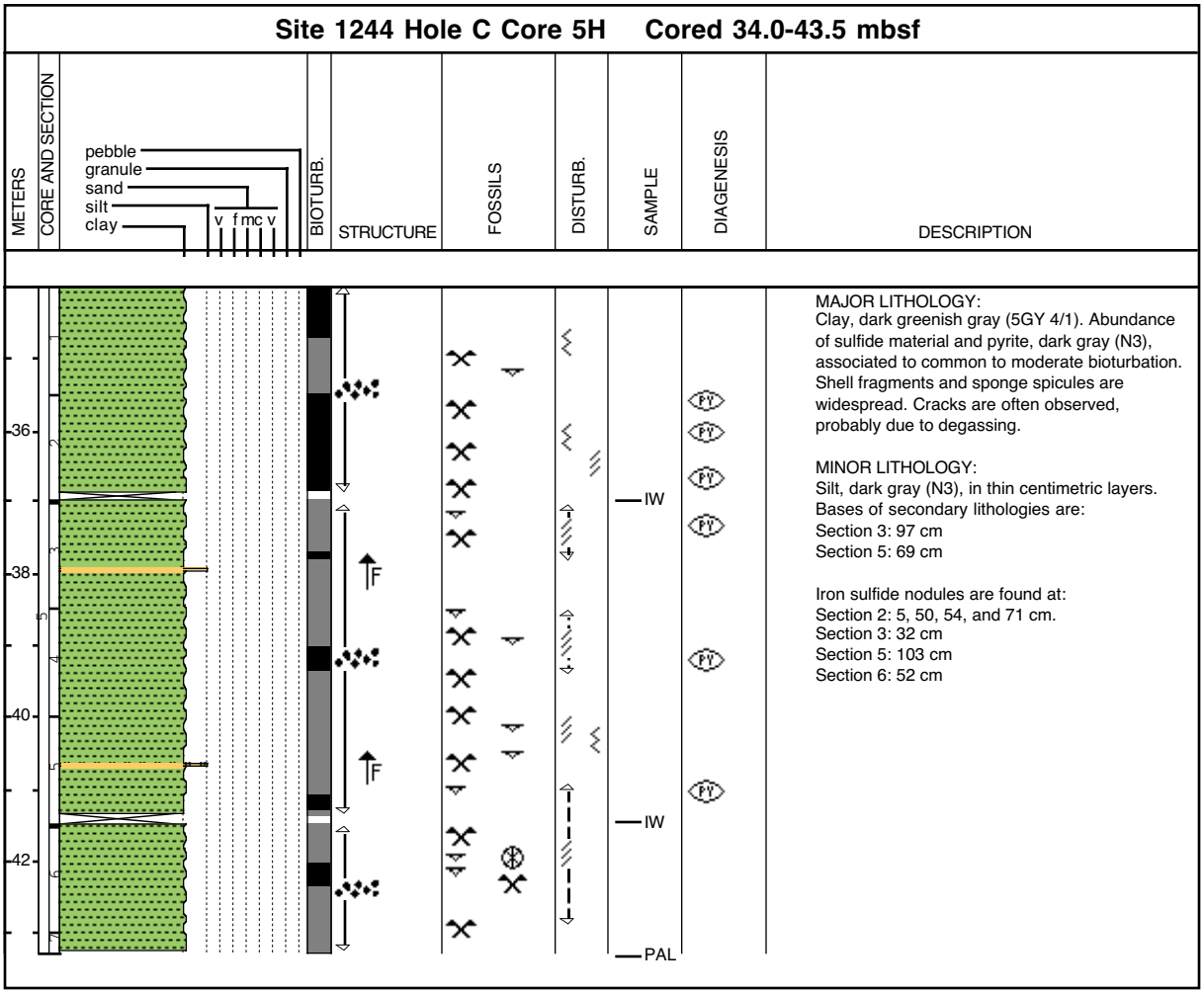
Core Photo


Site 1244 Hole C Core 3H Cored 15.0-24.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
16
18
20
22
24
MBI
IW
SS
PAL
PY
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). Sulfide material, dark gray (N3) color, is common throughout the core, often with mottled facies. Shell fragments, sponge spicules, and diatoms are common. Cracks are often observed, likely due to degassing.
Iron sulfide nodules found in Section 5: 39 and 49 cm.

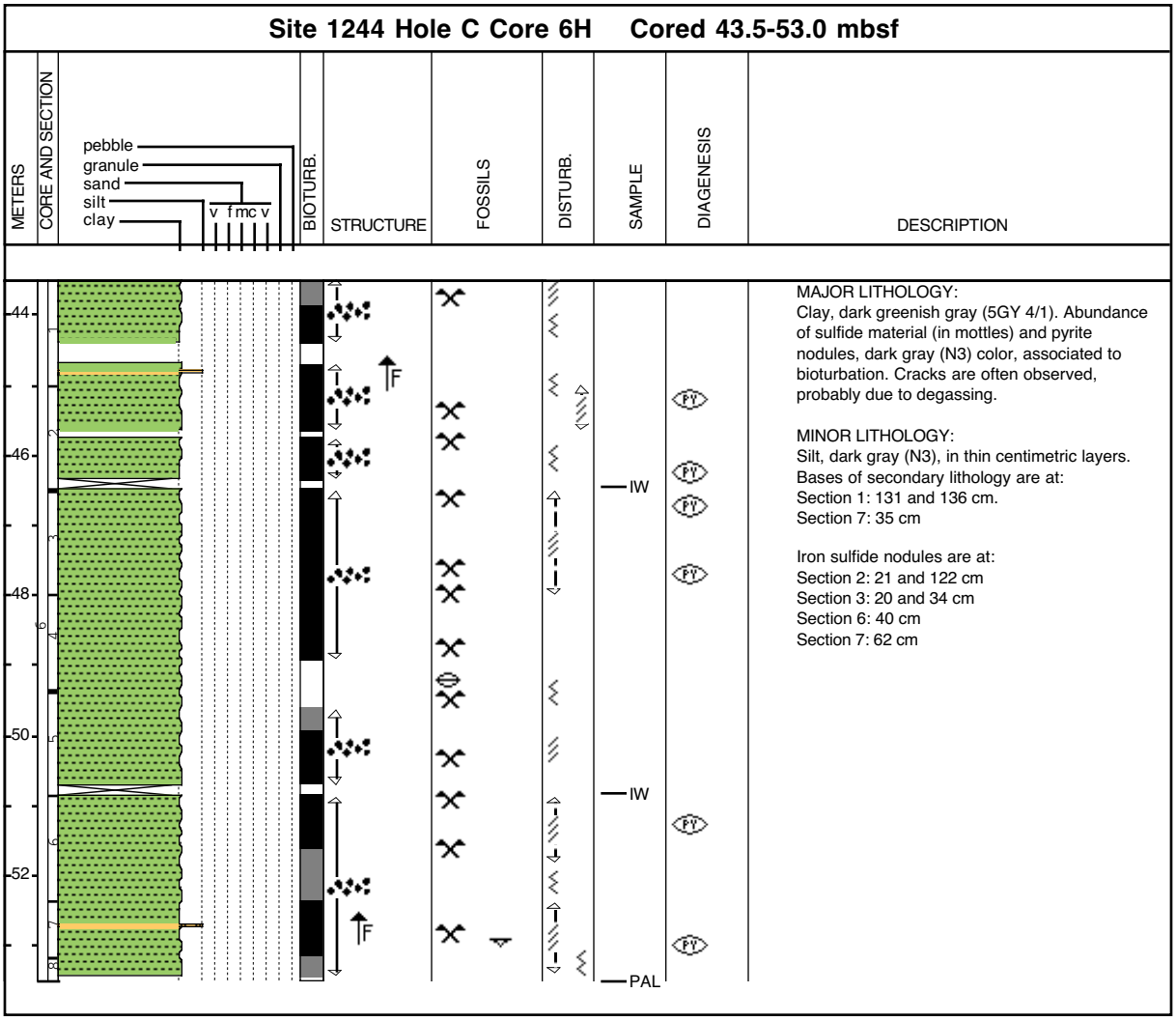
Core Photo


Site 1244 Hole C Core 4H Cored 24.5-34.0 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
26
28
30
32
34
IW
IW
PAL
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). Patches of lighter color are observed at Sections 3 (35-38 cm) and 4 (17-47 cm) with no main lithologic changes. Abundance of sulfide material, dark gray (N3), following convoluted bioturbation patterns. Shell fragments, sponge spicules are common. Cracks are often observed, likely due to degassing.

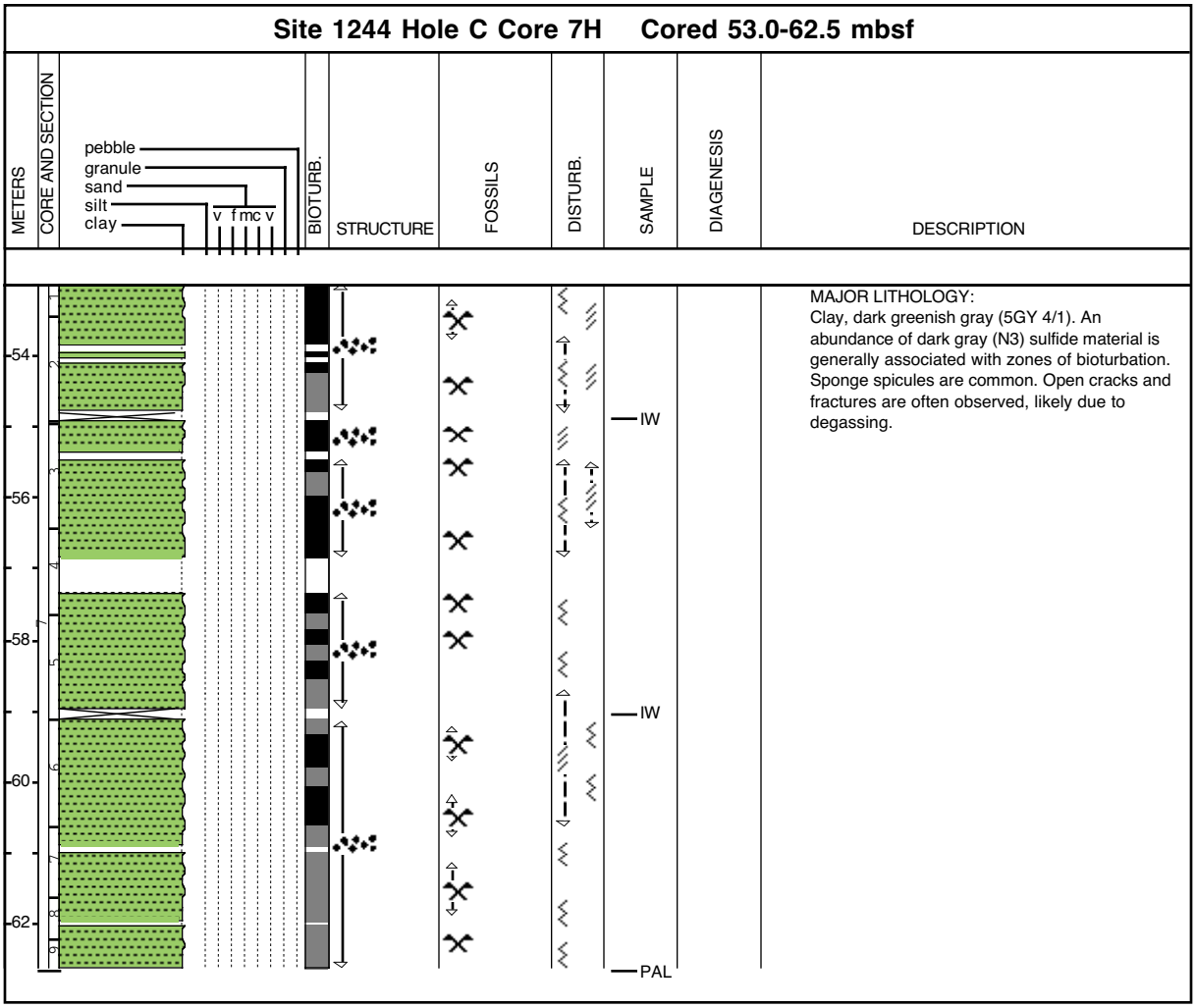
Core Photo


Site 1244 Hole C Core 5H Cored 34.0-43.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f m c v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
36
38
40
42
IW
IW
PAL
F
F
PY
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). Abundance of sulfide material and pyrite, dark gray (N3), associated to common to moderate bioturbation. Shell fragments and sponge spicules are widespread. Cracks are often observed, probably due to degassing.
MINOR LITHOLOGY:
Silt, dark gray (N3), in thin centimetric layers.
Bases of secondary lithologies are:
Section 3: 97 cm
Section 5: 69 cm
Iron sulfide nodules are found at:
Section 2: 5, 50, 54, and 71 cm.
Section 3: 32 cm
Section 5: 103 cm
Section 6: 52 cm

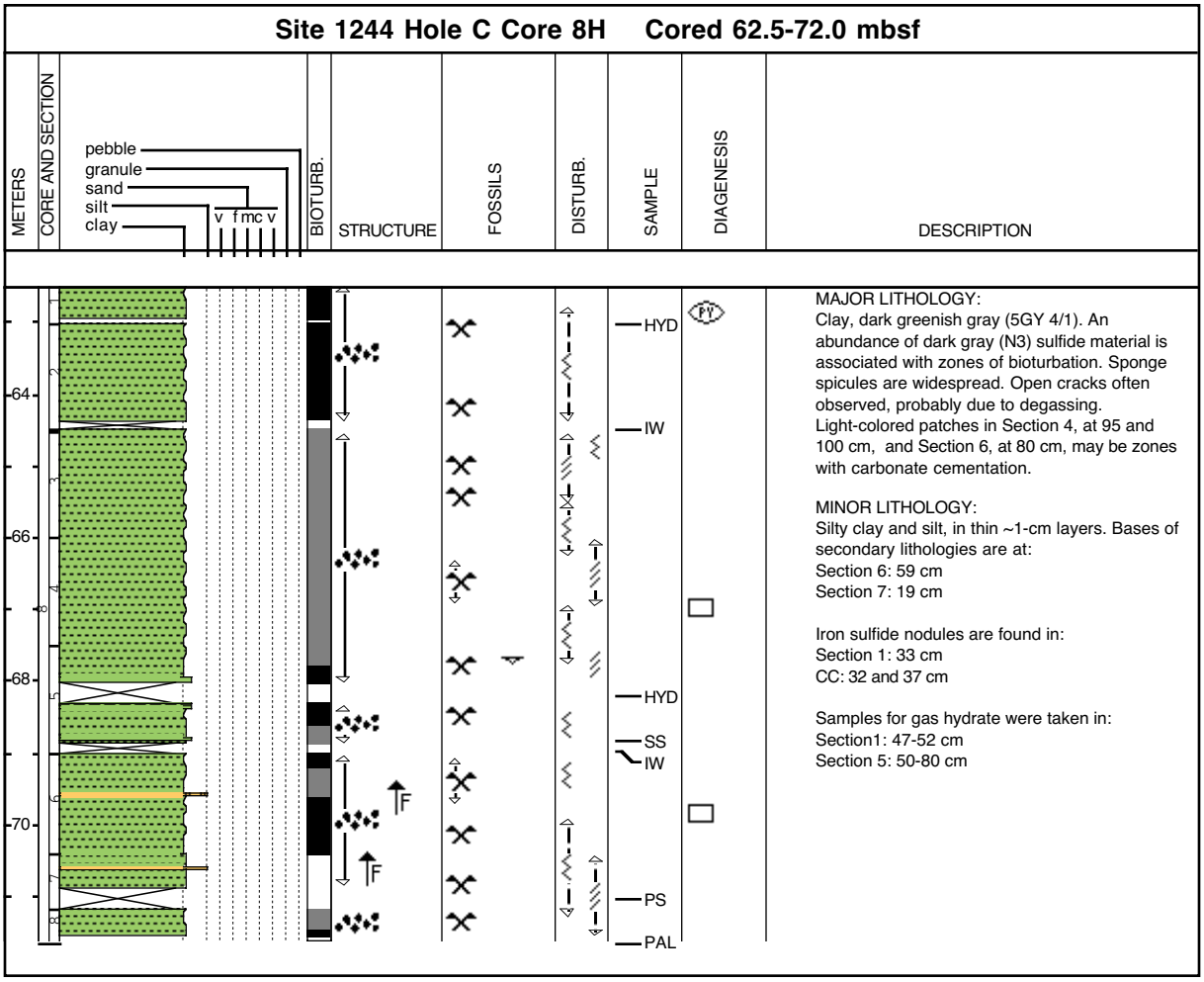
Core Photo


Site 1244 Hole C Core 6H Cored 43.5-53.0 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
44
46
48
50
52
IW
IW
PAL
PY
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). Abundance of sulfide material (in mottles) and pyrite nodules, dark gray (N3) color, associated to bioturbation. Cracks are often observed, probably due to degassing.
MINOR LITHOLOGY:
Silt, dark gray (N3), in thin centimetric layers.
Bases of secondary lithology are at:
Section 1: 131 and 136 cm.
Section 7: 35 cm
Iron sulfide nodules are at:
Section 2: 21 and 122 cm
Section 3: 20 and 34 cm
Section 6: 40 cm
Section 7: 62 cm

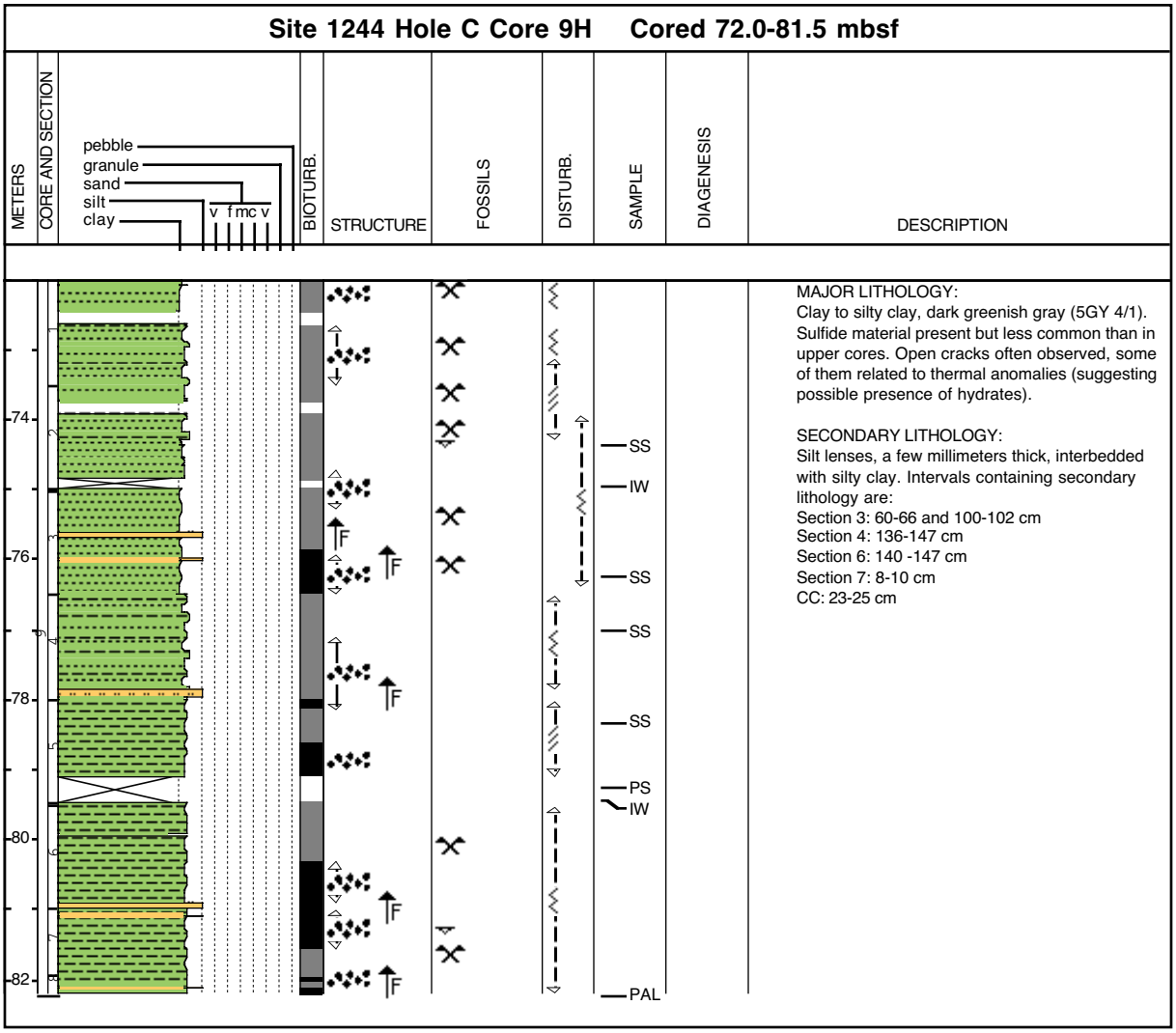
Core Photo


Site 1244 Hole C Core 7H Cored 53.0-62.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
54
56
58
60
62
IW
IW
PAL
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). An abundance of dark gray (N3) sulfide material is generally associated with zones of bioturbation. Sponge spicules are common. Open cracks and fractures are often observed, likely due to degassing.

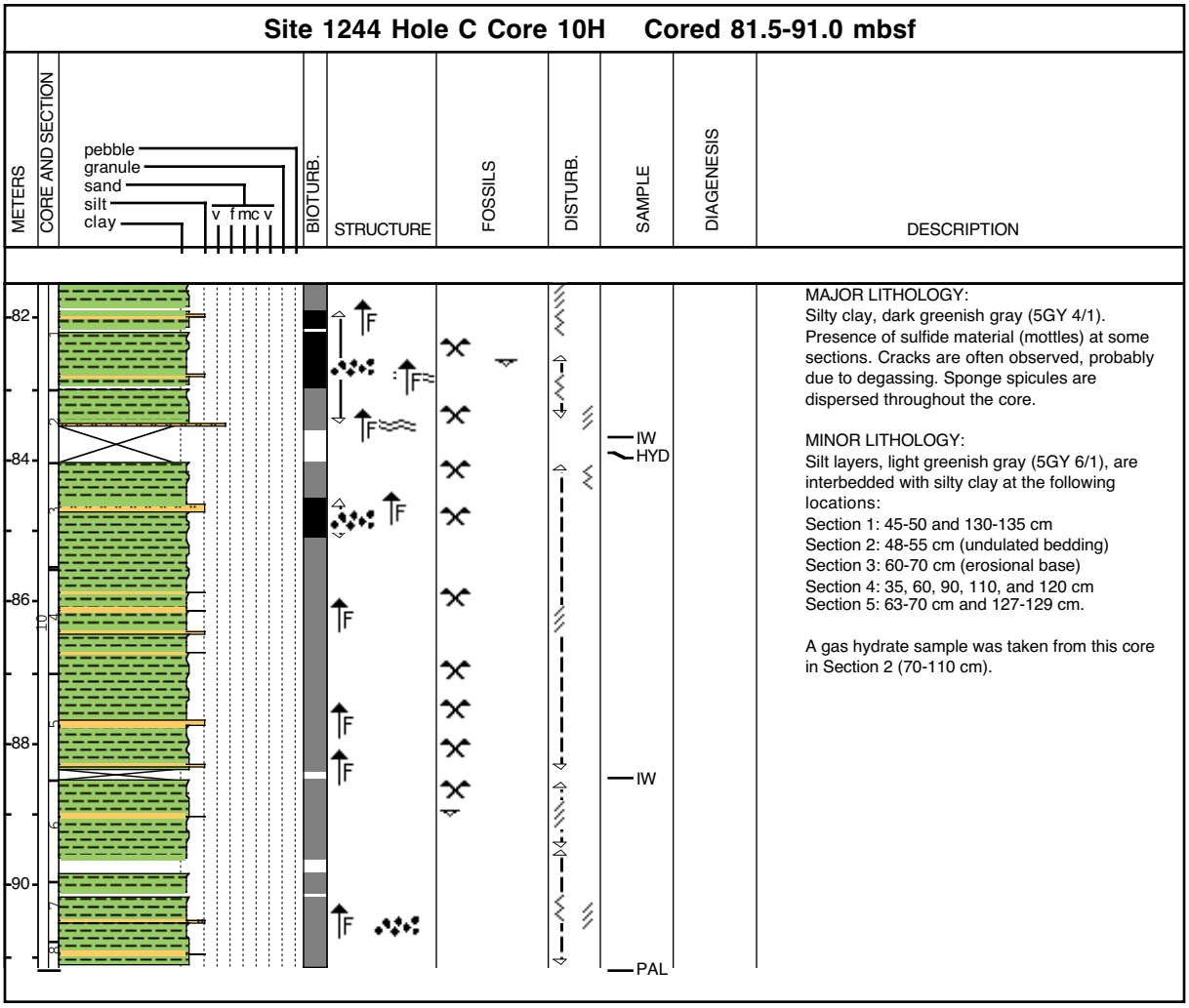
Core Photo


Site 1244 Hole C Core 8H Cored 62.5-72.0 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
64
66
68
70
HYD
IW
HYD
SS
IW
PS
PAL
PY
F
F
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). An abundance of dark gray (N3) sulfide material is associated with zones of bioturbation. Sponge spicules are widespread. Open cracks often observed, probably due to degassing. Light-colored patches in Section 4, at 95 and 100 cm, and Section 6, at 80 cm, may be zones with carbonate cementation.
MINOR LITHOLOGY:
Silty clay and silt, in thin ~1-cm layers. Bases of secondary lithologies are at:
Section 6: 59 cm
Section 7: 19 cm
Iron sulfide nodules are found in:
Section 1: 33 cm
CC: 32 and 37 cm
Samples for gas hydrate were taken in:
Section1: 47-52 cm
Section 5: 50-80 cm

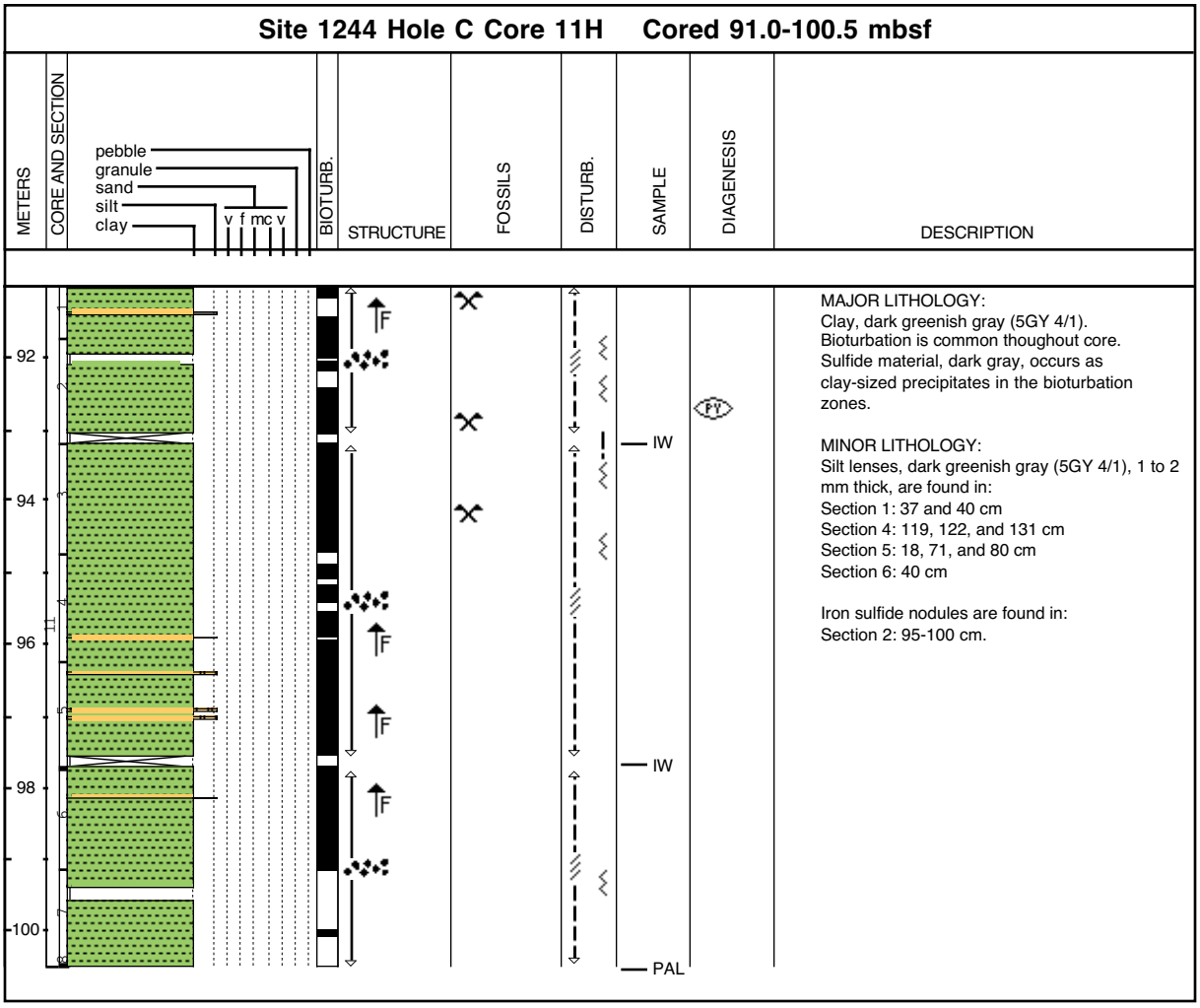
Core Photo


Site 1244 Hole C Core 9H Cored 72.0-81.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
74
76
78
80
82
SS
IW
SS
SS
SS
PS
IW
PAL
F
MAJOR LITHOLOGY:
Clay to silty clay, dark greenish gray (5GY 4/1). Sulfide material present but less common than in upper cores. Open cracks often observed, some of them related to thermal anomalies (suggesting possible presence of hydrates).
SECONDARY LITHOLOGY:
Silt lenses, a few millimeters thick, interbedded with silty clay. Intervals containing secondary lithology are:
Section 3: 60-66 and 100-102 cm
Section 4: 136-147 cm
Section 6: 140 -147 cm
Section 7: 8-10 cm
CC: 23-25 cm

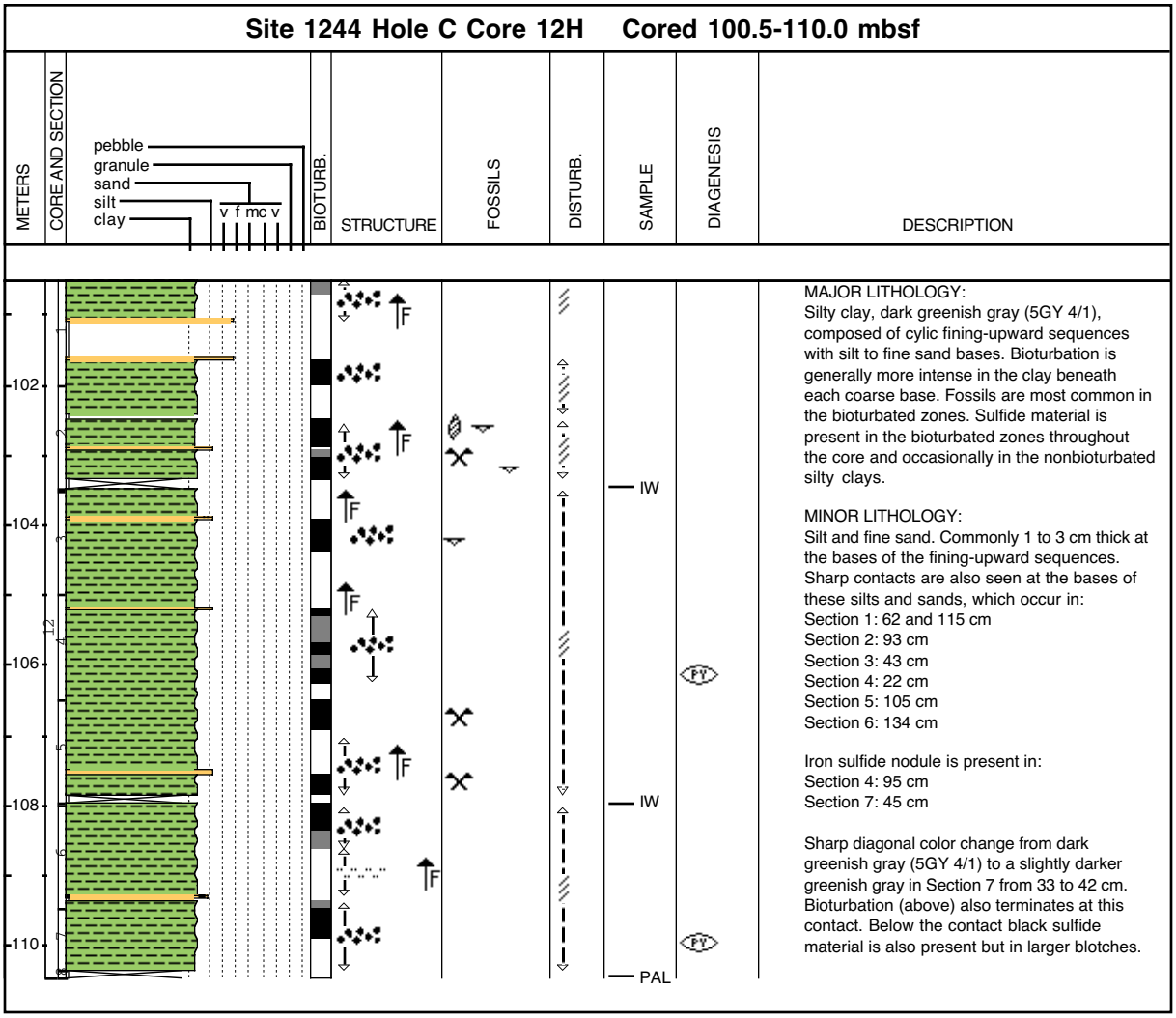
Core Photo


Site 1244 Hole C Core 10H Cored 81.5-91.0 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
82
84
86
88
90
IW
HYD
IW
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1). Presence of sulfide material (mottles) at some sections. Cracks are often observed, probably due to degassing. Sponge spicules are dispersed throughout the core.
MINOR LITHOLOGY:
Silt layers, light greenish gray (5GY 6/1), are interbedded with silty clay at the following locations:
Section 1: 45-50 and 130-135 cm
Section 2: 48-55 cm (undulated bedding)
Section 3: 60-70 cm (erosional base)
Section 4: 35, 60, 90, 110, and 120 cm
Section 5: 63-70 cm and 127-129 cm.
A gas hydrate sample was taken from this core in Section 2 (70-110 cm).

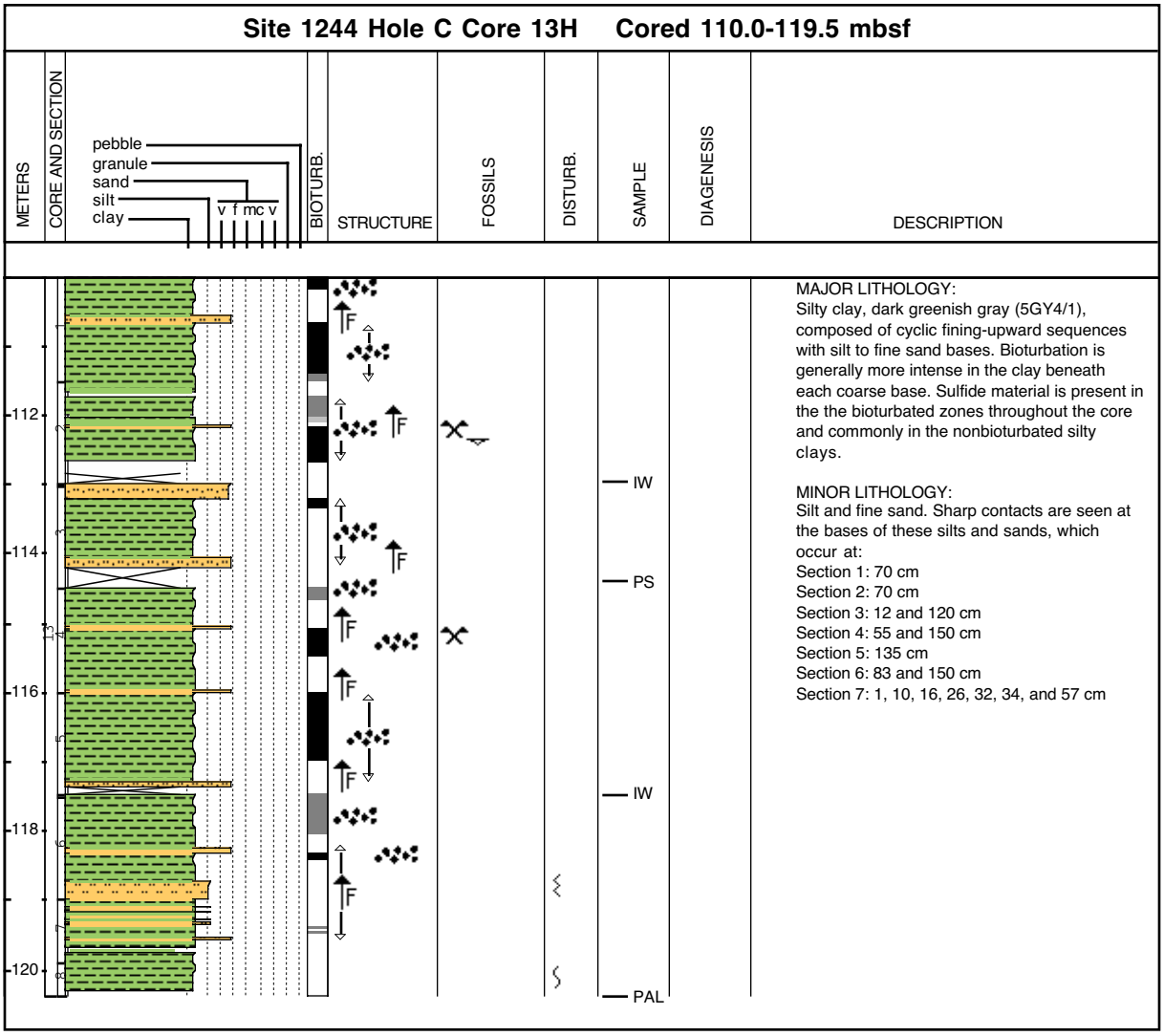
Core Photo


Site 1244 Hole C Core 11H Cored 91.0-100.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
92
94
96
98
100
11
IW
IW
PAL
PY
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1).
Bioturbation is common thoughout core.
Sulfide material, dark gray, occurs as clay-sized precipitates in the bioturbation zones.
MINOR LITHOLOGY:
Silt lenses, dark greenish gray (5GY 4/1), 1 to 2 mm thick, are found in:
Section 1: 37 and 40 cm
Section 4: 119, 122, and 131 cm
Section 5: 18, 71, and 80 cm
Section 6: 40 cm
Iron sulfide nodules are found in:
Section 2: 95-100 cm.

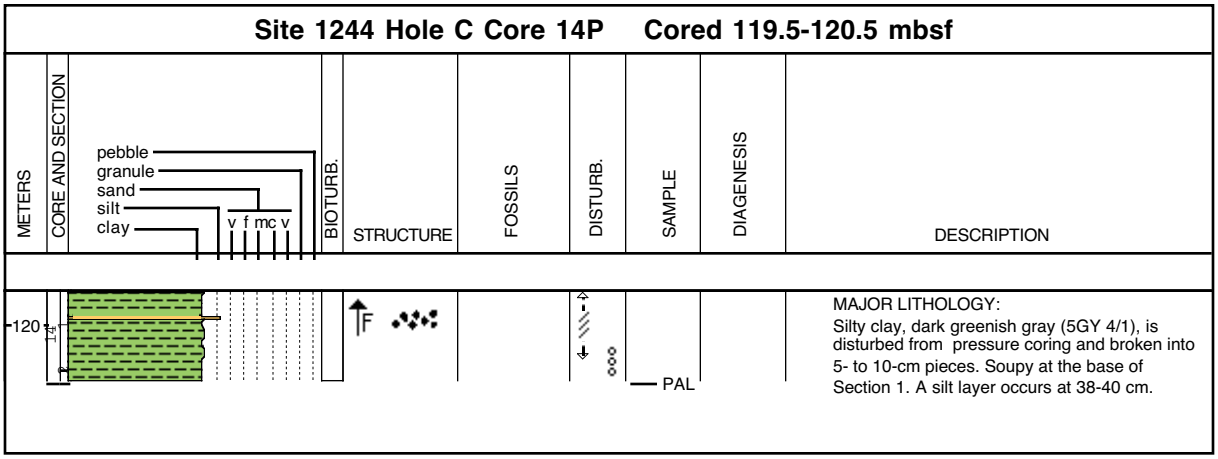
Core Photo


Site 1244 Hole C Core 12H Cored 100.5-110.0 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
102
104
106
108
110
IW
IW
PAL
PY
PY
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), composed of cylic fining-upward sequences with silt to fine sand bases. Bioturbation is generally more intense in the clay beneath each coarse base. Fossils are most common in the bioturbated zones. Sulfide material is present in the bioturbated zones throughout the core and occasionally in the nonbioturbated silty clays.
MINOR LITHOLOGY:
Silt and fine sand. Commonly 1 to 3 cm thick at the bases of the fining-upward sequences. Sharp contacts are also seen at the bases of these silts and sands, which occur in:
Section 1: 62 and 115 cm
Section 2: 93 cm
Section 3: 43 cm
Section 4: 22 cm
Section 5: 105 cm
Section 6: 134 cm
Iron sulfide nodule is present in:
Section 4: 95 cm
Section 7: 45 cm
Sharp diagonal color change from dark greenish gray (5GY 4/1) to a slightly darker greenish gray in Section 7 from 33 to 42 cm. Bioturbation (above) also terminates at this contact. Below the contact black sulfide material is also present but in larger blotches.

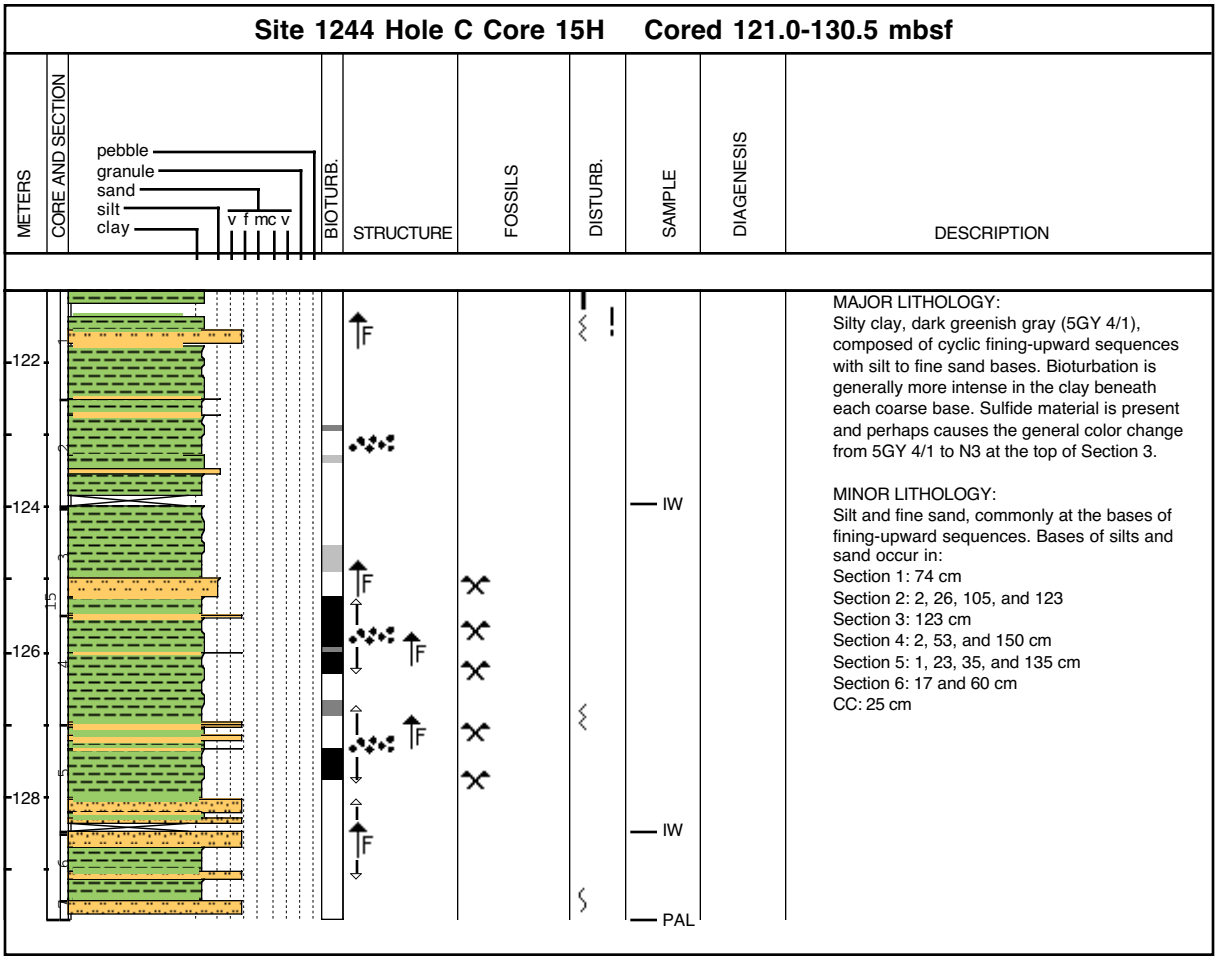
Core Photo


Site 1244 Hole C Core 13H Cored 110.0-119.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
112
114
116
118
120
IW
PS
IW
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY4/1), composed of cyclic fining-upward sequences with silt to fine sand bases. Bioturbation is generally more intense in the clay beneath each coarse base. Sulfide material is present in the the bioturbated zones throughout the core and commonly in the nonbioturbated silty clays.
MINOR LITHOLOGY:
Silt and fine sand. Sharp contacts are seen at the bases of these silts and sands, which occur at:
Section 1: 70 cm
Section 2: 70 cm
Section 3: 12 and 120 cm
Section 4: 55 and 150 cm
Section 5: 135 cm
Section 6: 83 and 150 cm
Section 7: 1, 10, 16, 26, 32, 34, and 57 cm

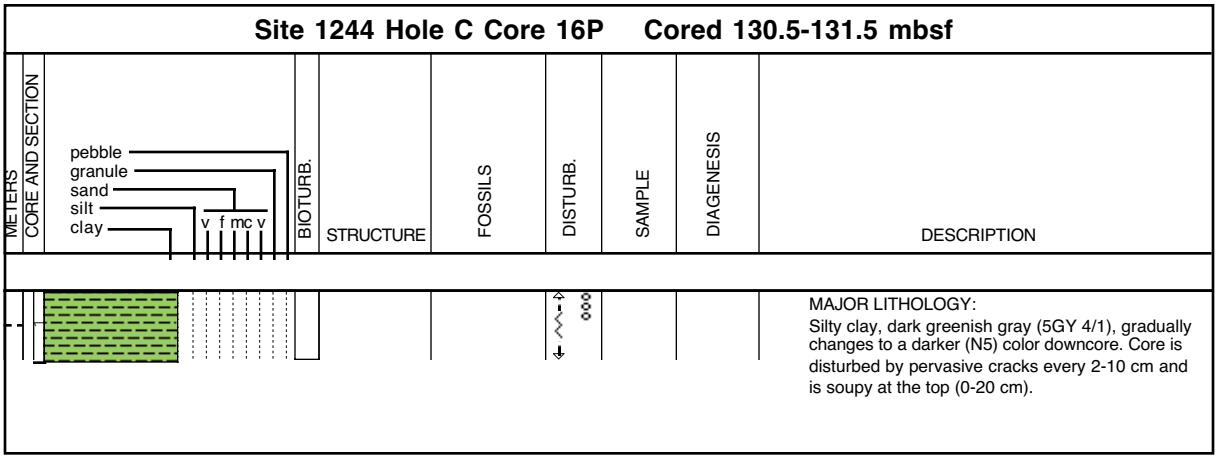
Core Photo


Site 1244 Hole C Core 14P Cored 119.5-120.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
120
1
F
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), is disturbed from pressure coring and broken into 5- to 10-cm pieces. Soupy at the base of Section 1. A silt layer occurs at 38-40 cm.

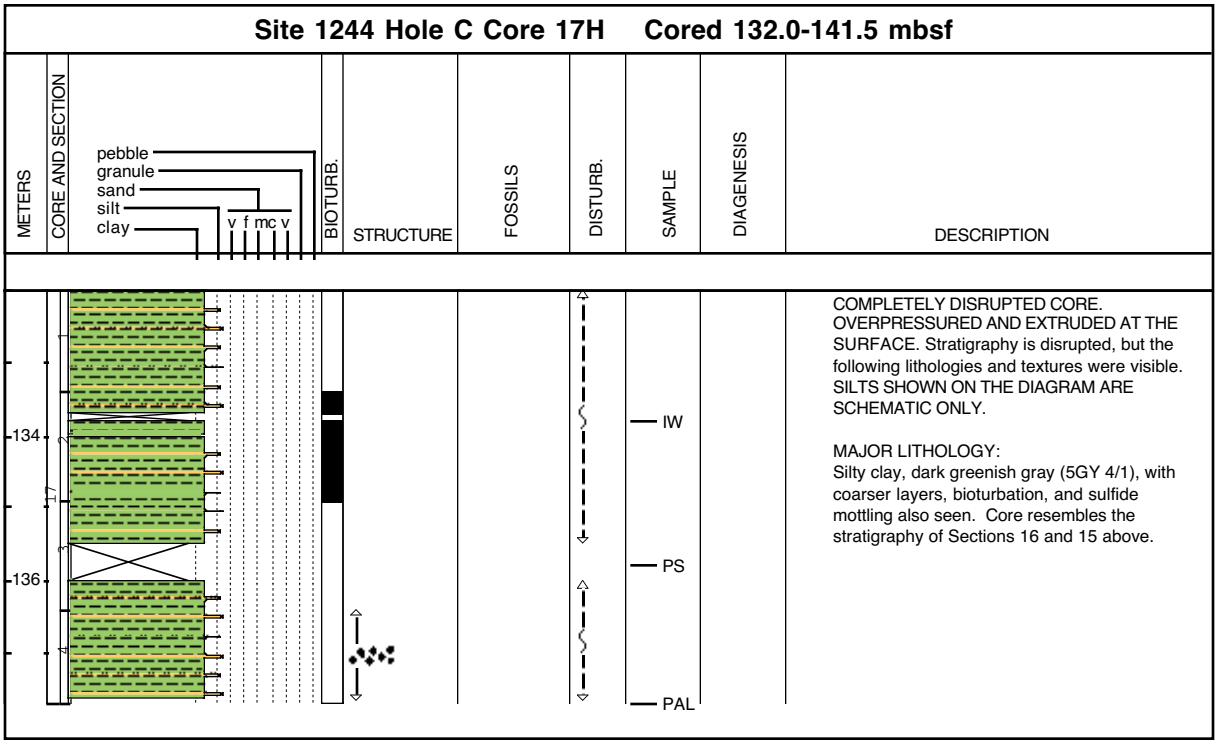
Core Photo


Site 1244 Hole C Core 15H Cored 121.0-130.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
122
124
126
128
15
IW
IW
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), composed of cyclic fining-upward sequences with silt to fine sand bases. Bioturbation is generally more intense in the clay beneath each coarse base. Sulfide material is present and perhaps causes the general color change from 5GY 4/1 to N3 at the top of Section 3.
MINOR LITHOLOGY:
Silt and fine sand, commonly at the bases of fining-upward sequences. Bases of silts and sand occur in:
Section 1: 74 cm
Section 2: 2, 26, 105, and 123
Section 3: 123 cm
Section 4: 2, 53, and 150 cm
Section 5: 1, 23, 35, and 135 cm
Section 6: 17 and 60 cm
CC: 25 cm

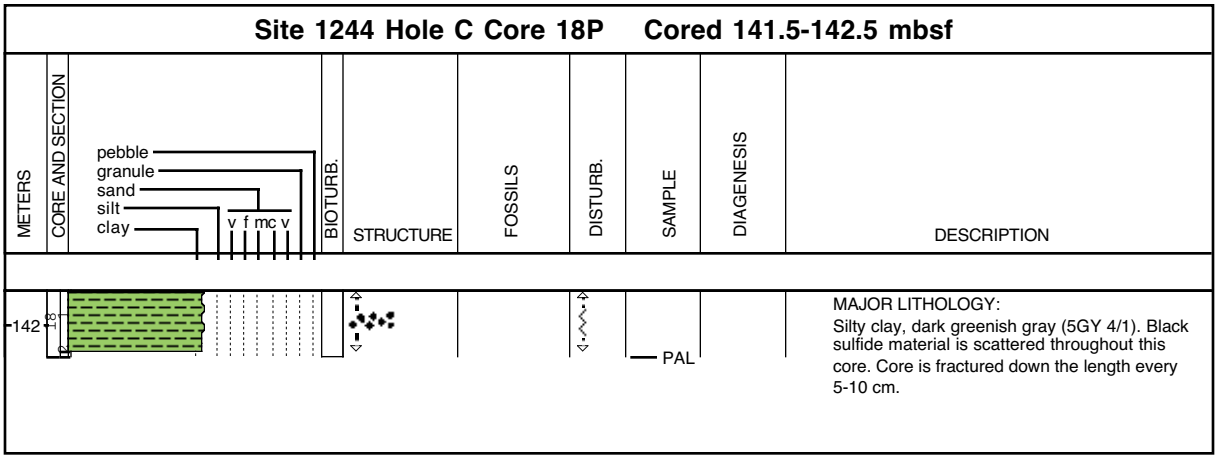
Core Photo


Site 1244 Hole C Core 16P Cored 130.5-131.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), gradually changes to a darker (N5) color downcore. Core is disturbed by pervasive cracks every 2-10 cm and is soupy at the top (0-20 cm).

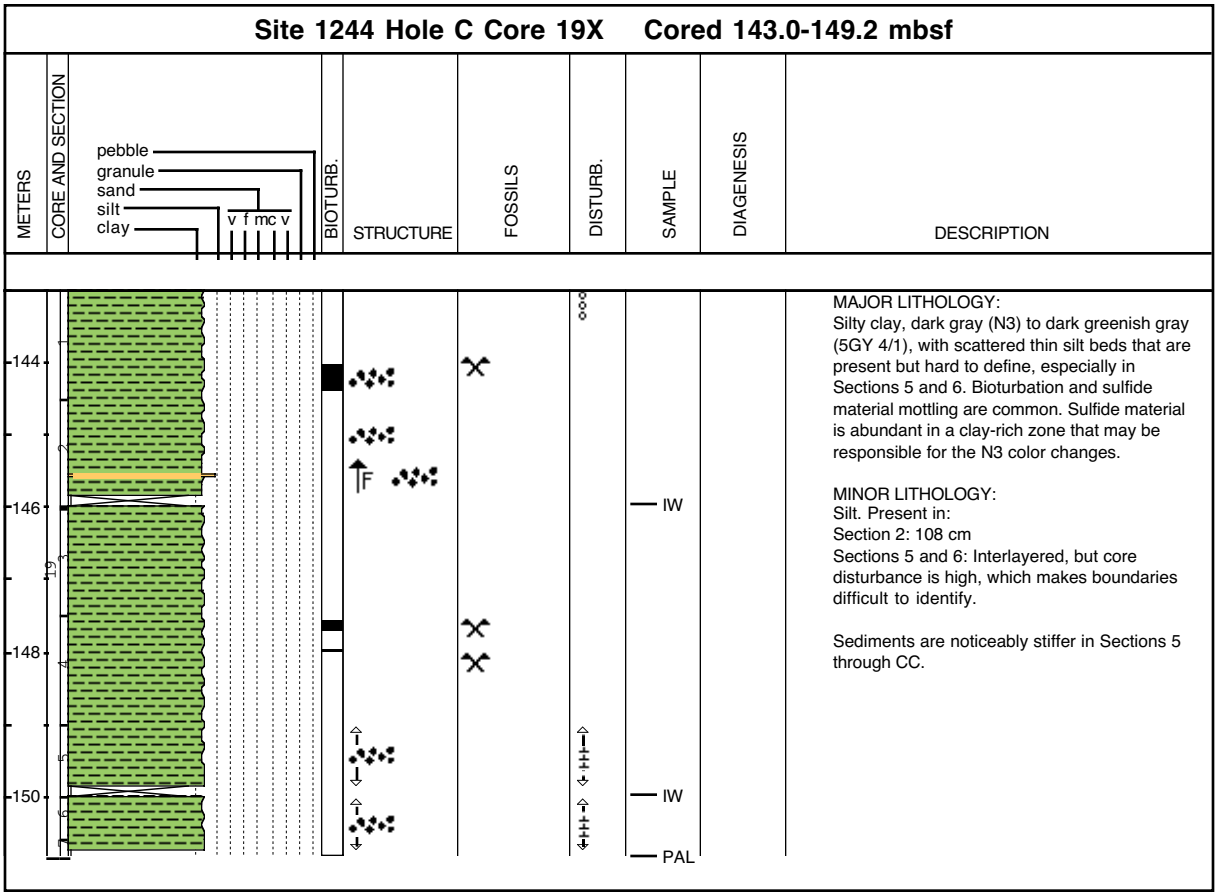
Core Photo


Site 1244 Hole C Core 17H Cored 132.0-141.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
134
136
17
1
2
3
4
IW
PS
PAL
COMPLETELY DISRUPTED CORE. OVERPRESSURED AND EXTRUDED AT THE SURFACE. Stratigraphy is disrupted, but the following lithologies and textures were visible. SILTS SHOWN ON THE DIAGRAM ARE SCHEMATIC ONLY.
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), with coarser layers, bioturbation, and sulfide mottling also seen. Core resembles the stratigraphy of Sections 16 and 15 above.

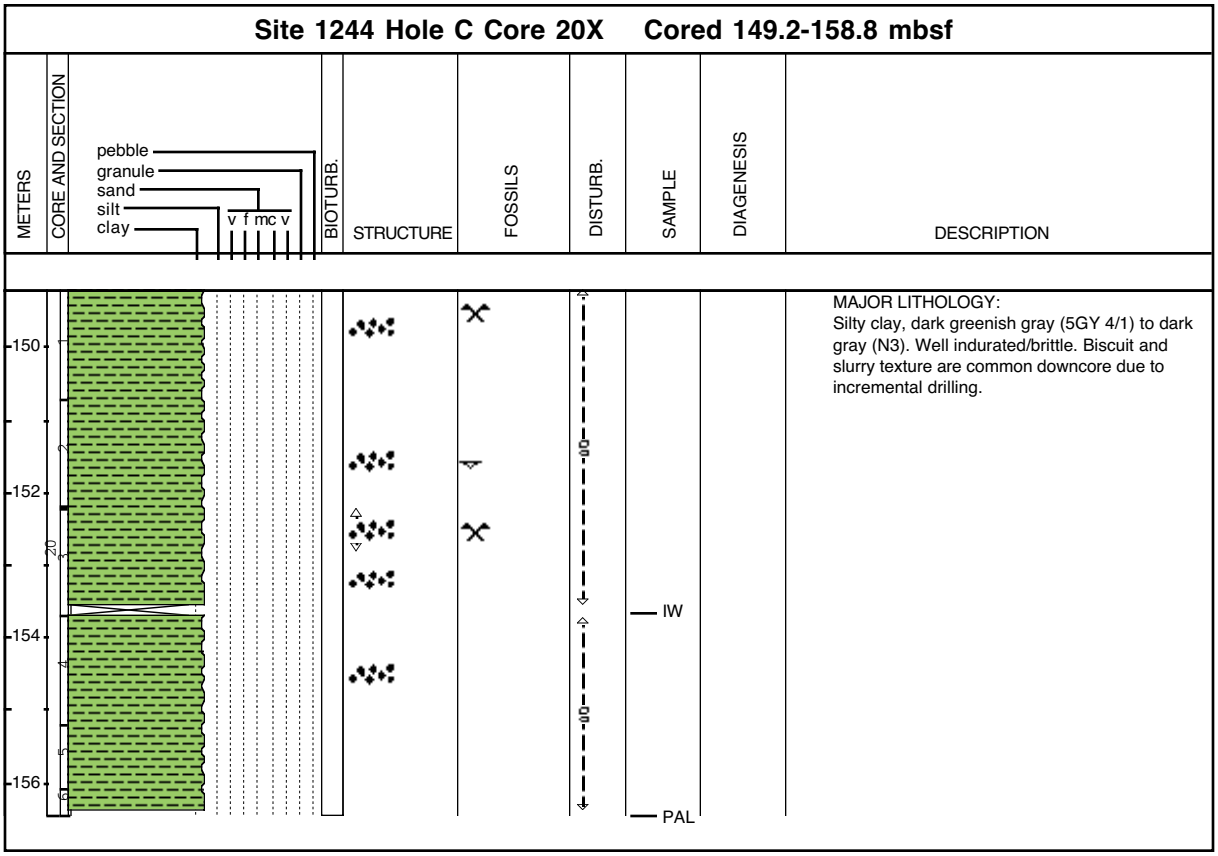
Core Photo


Site 1244 Hole C Core 18P Cored 141.5-142.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
142
18
1
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1). Black sulfide material is scattered throughout this core. Core is fractured down the length every 5-10 cm.

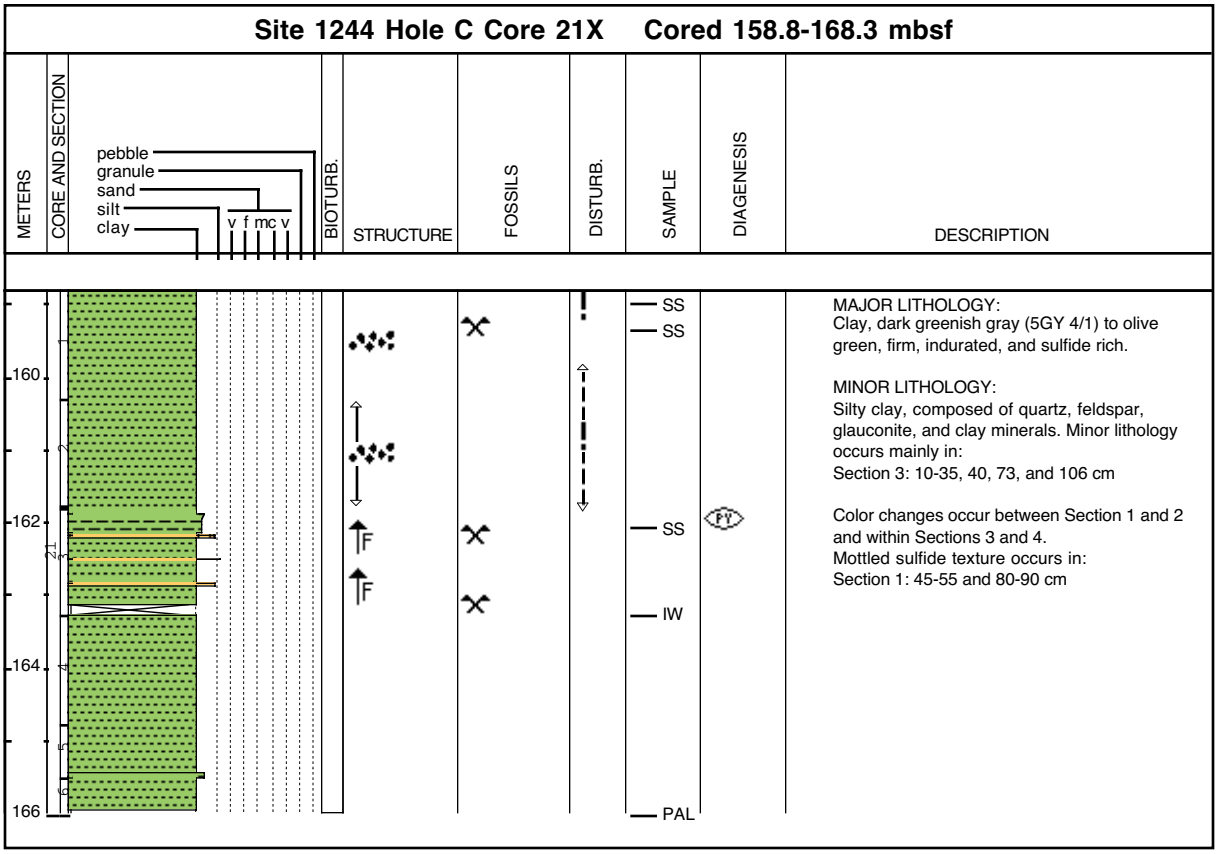
Core Photo


Site 1244 Hole C Core 19X Cored 143.0-149.2 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
144
146
148
150
IW
IW
PAL
MAJOR LITHOLOGY:
Silty clay, dark gray (N3) to dark greenish gray (5GY 4/1), with scattered thin silt beds that are present but hard to define, especially in Sections 5 and 6. Bioturbation and sulfide material mottling are common. Sulfide material is abundant in a clay-rich zone that may be responsible for the N3 color changes.
MINOR LITHOLOGY:
Silt. Present in:
Section 2: 108 cm
Sections 5 and 6: Interlayered, but core disturbance is high, which makes boundaries difficult to identify.
Sediments are noticeably stiffer in Sections 5 through CC.

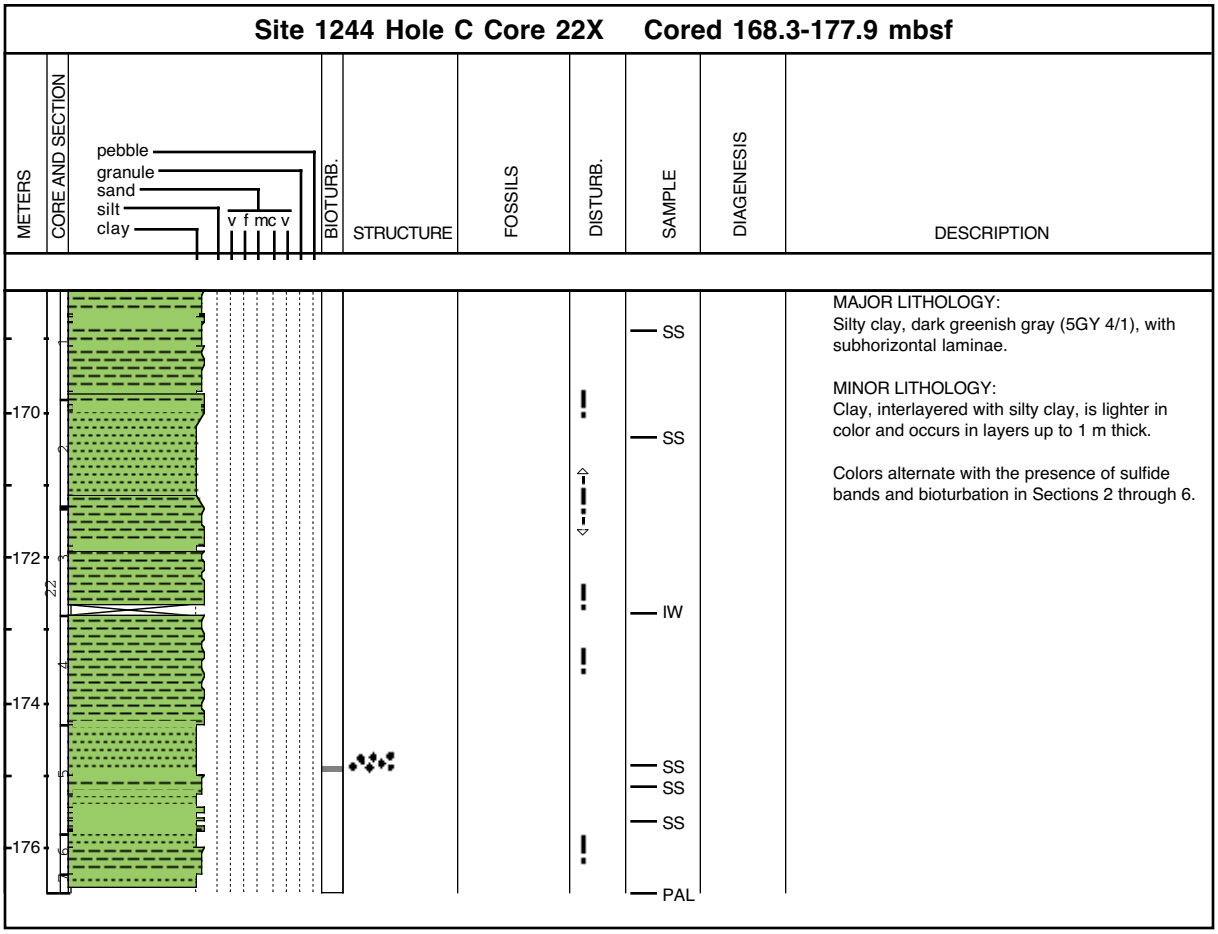
Core Photo


Site 1244 Hole C Core 20X Cored 149.2-158.8 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
150
152
154
156
20
1
2
3
4
5
6
IW
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1) to dark gray (N3). Well indurated/brittle. Biscuit and slurry texture are common downcore due to incremental drilling.

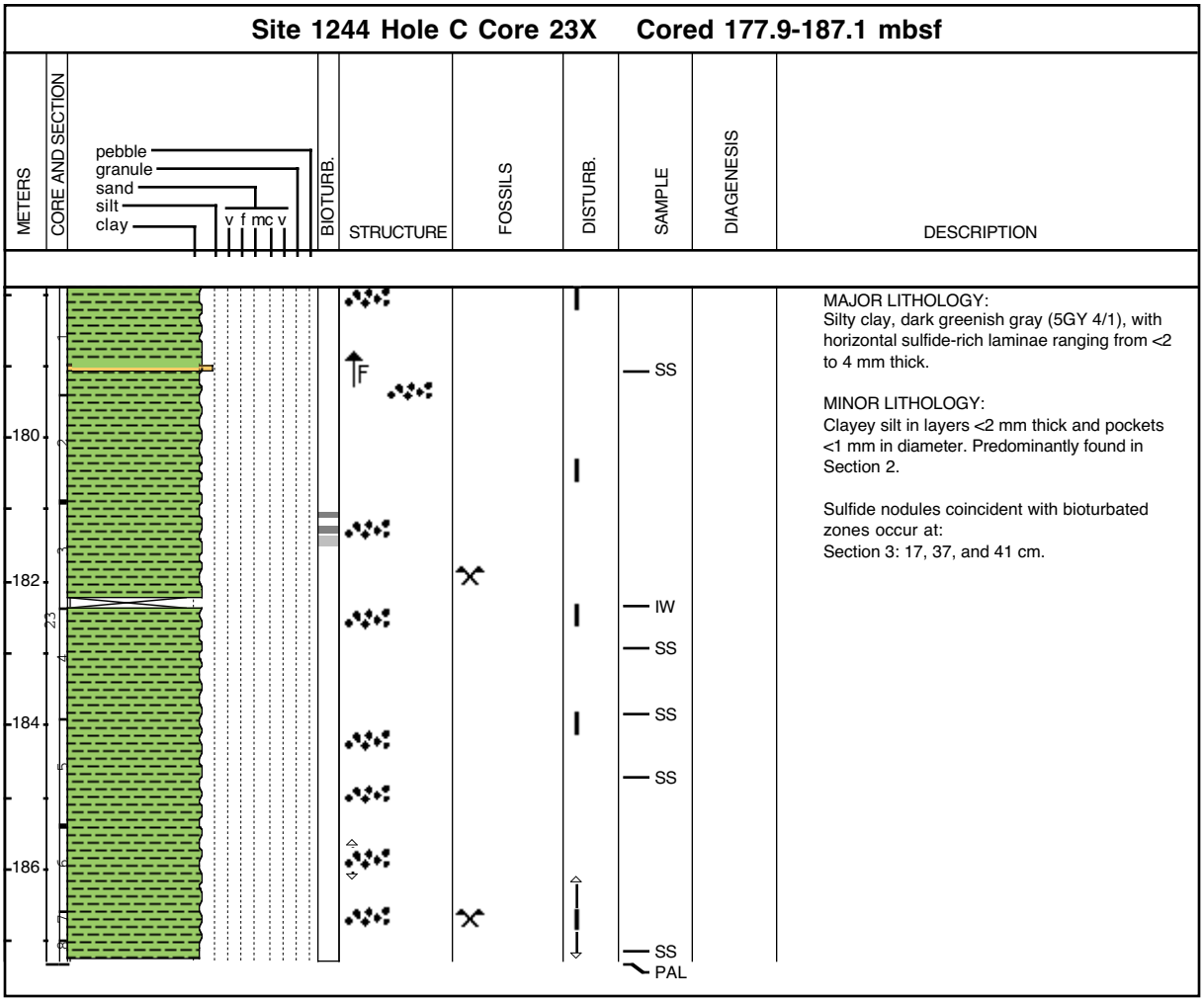
Core Photo


Site 1244 Hole C Core 21X Cored 158.8-168.3 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
160
162
164
166
1
2
CC
3
4
5
6
SS
SS
SS
IW
PAL
F
F
PY
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1) to olive green, firm, indurated, and sulfide rich.
MINOR LITHOLOGY:
Silty clay, composed of quartz, feldspar, glauconite, and clay minerals. Minor lithology occurs mainly in:
Section 3: 10-35, 40, 73, and 106 cm
Color changes occur between Section 1 and 2 and within Sections 3 and 4.
Mottled sulfide texture occurs in:
Section 1: 45-55 and 80-90 cm

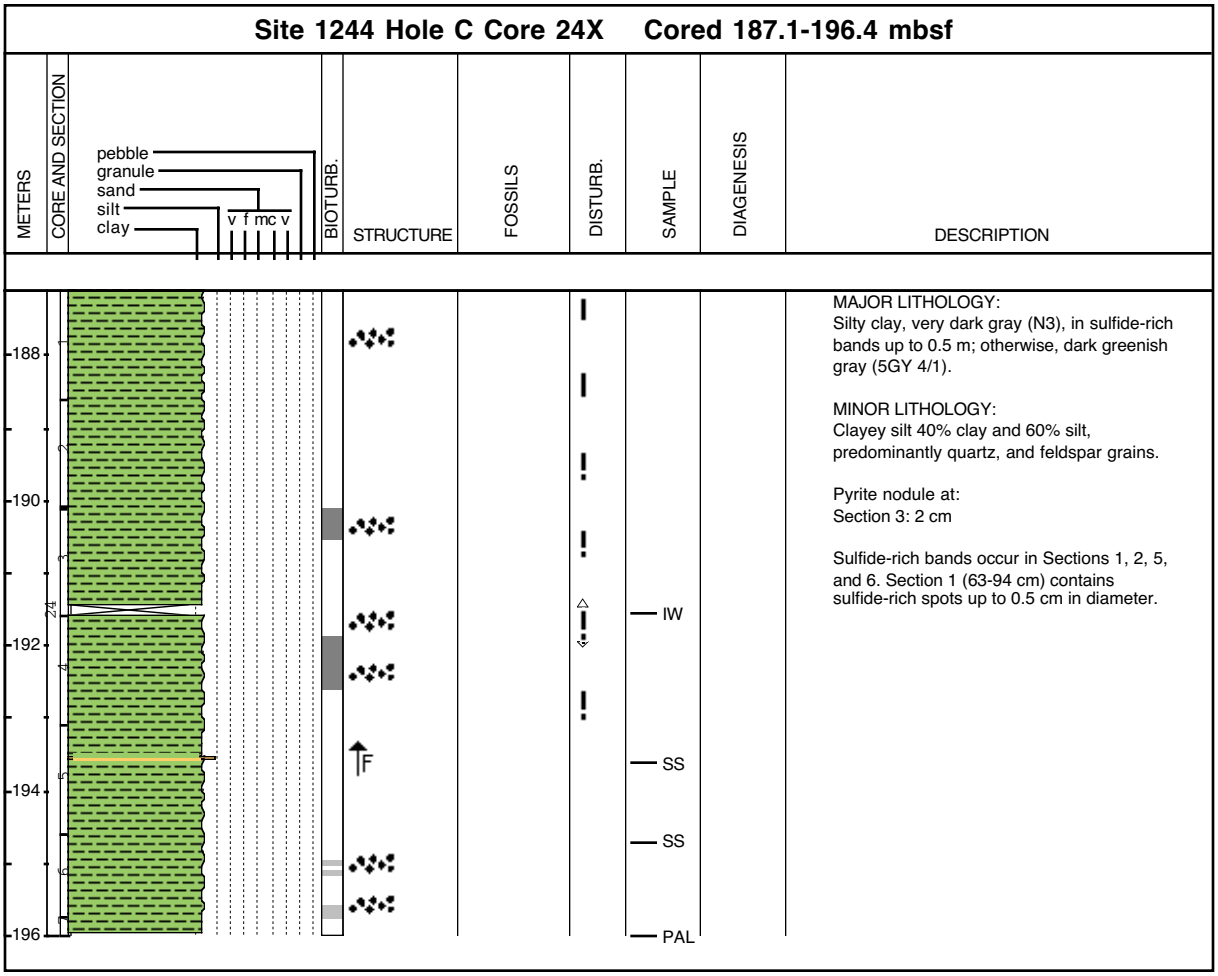
Core Photo


Site 1244 Hole C Core 22X Cored 168.3-177.9 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
170
172
174
176
22
SS
SS
IW
SS
SS
SS
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), with subhorizontal laminae.
MINOR LITHOLOGY:
Clay, interlayered with silty clay, is lighter in color and occurs in layers up to 1 m thick.
Colors alternate with the presence of sulfide bands and bioturbation in Sections 2 through 6.

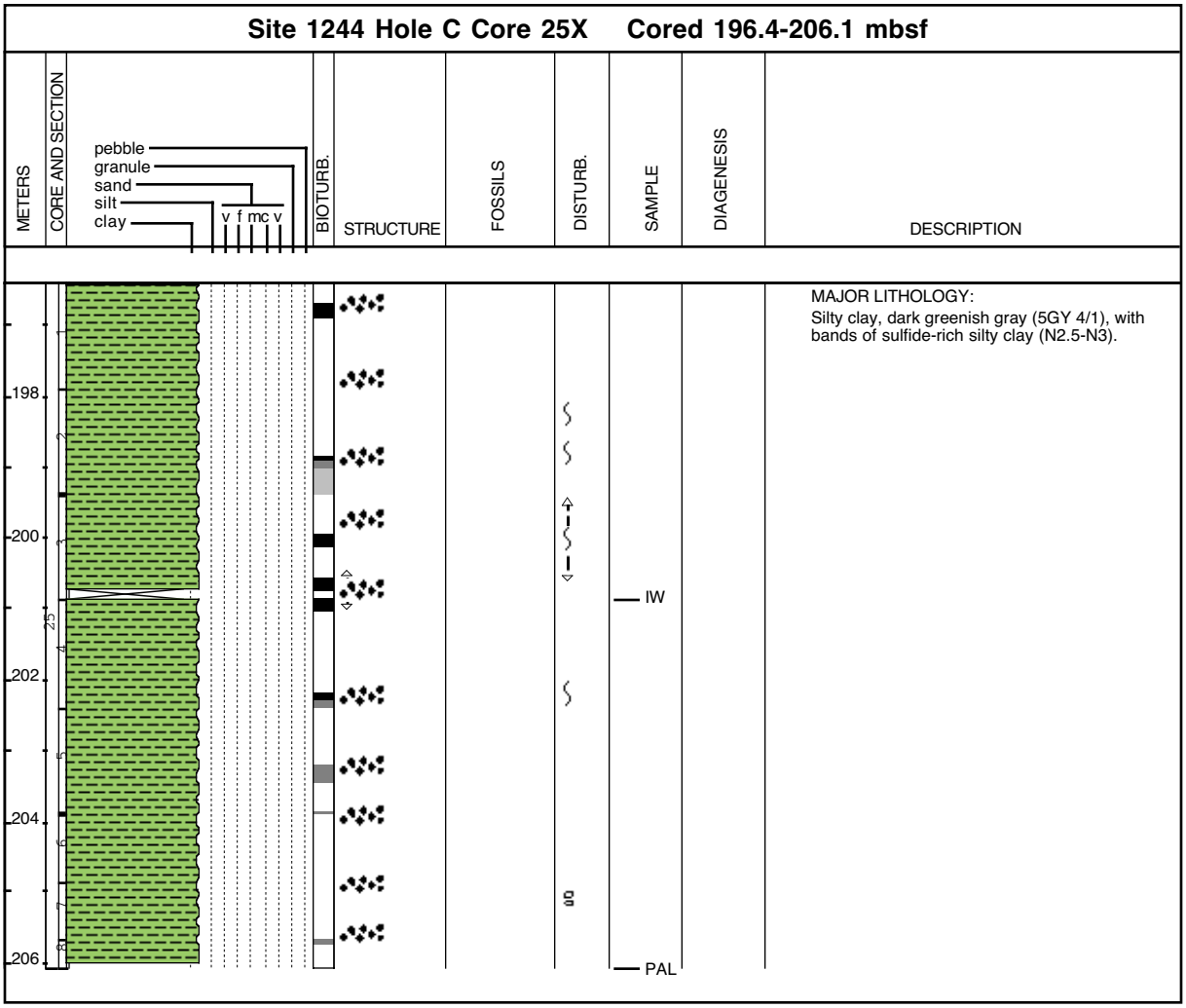
Core Photo


Site 1244 Hole C Core 23X Cored 177.9-187.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
180
182
184
186
F
SS
IW
SS
SS
SS
SS
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), with horizontal sulfide-rich laminae ranging from <2 to 4 mm thick.
MINOR LITHOLOGY:
Clayey silt in layers <2 mm thick and pockets <1 mm in diameter. Predominantly found in Section 2.
Sulfide nodules coincident with bioturbated zones occur at:
Section 3: 17, 37, and 41 cm.

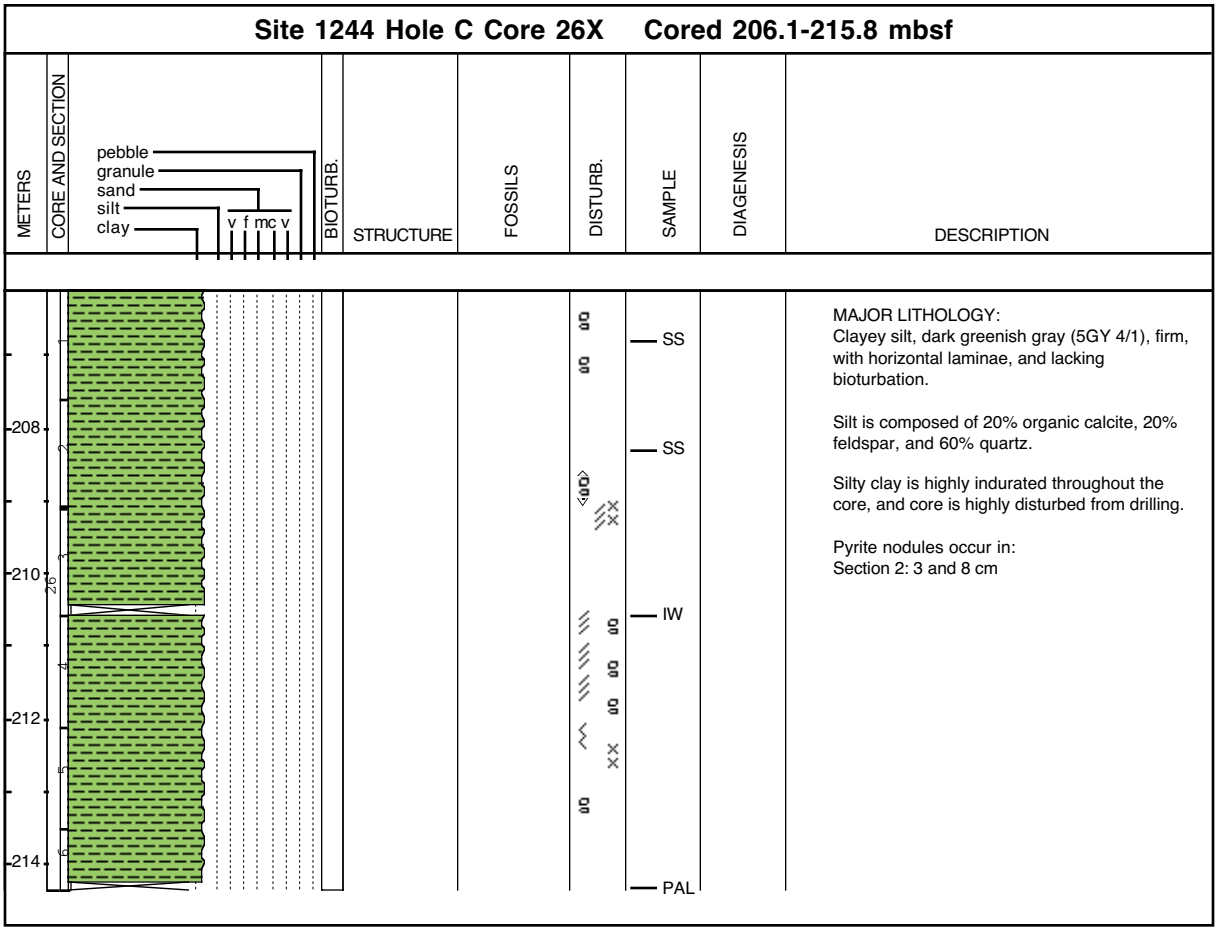
Core Photo


Site 1244 Hole C Core 24X Cored 187.1-196.4 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
188
190
192
194
196
24
1
2
3
4
5
6
CC
F
IW
SS
SS
PAL
MAJOR LITHOLOGY:
Silty clay, very dark gray (N3), in sulfide-rich bands up to 0.5 m; otherwise, dark greenish gray (5GY 4/1).
MINOR LITHOLOGY:
Clayey silt 40% clay and 60% silt, predominantly quartz, and feldspar grains.
Pyrite nodule at:
Section 3: 2 cm
Sulfide-rich bands occur in Sections 1, 2, 5, and 6. Section 1 (63-94 cm) contains sulfide-rich spots up to 0.5 cm in diameter.

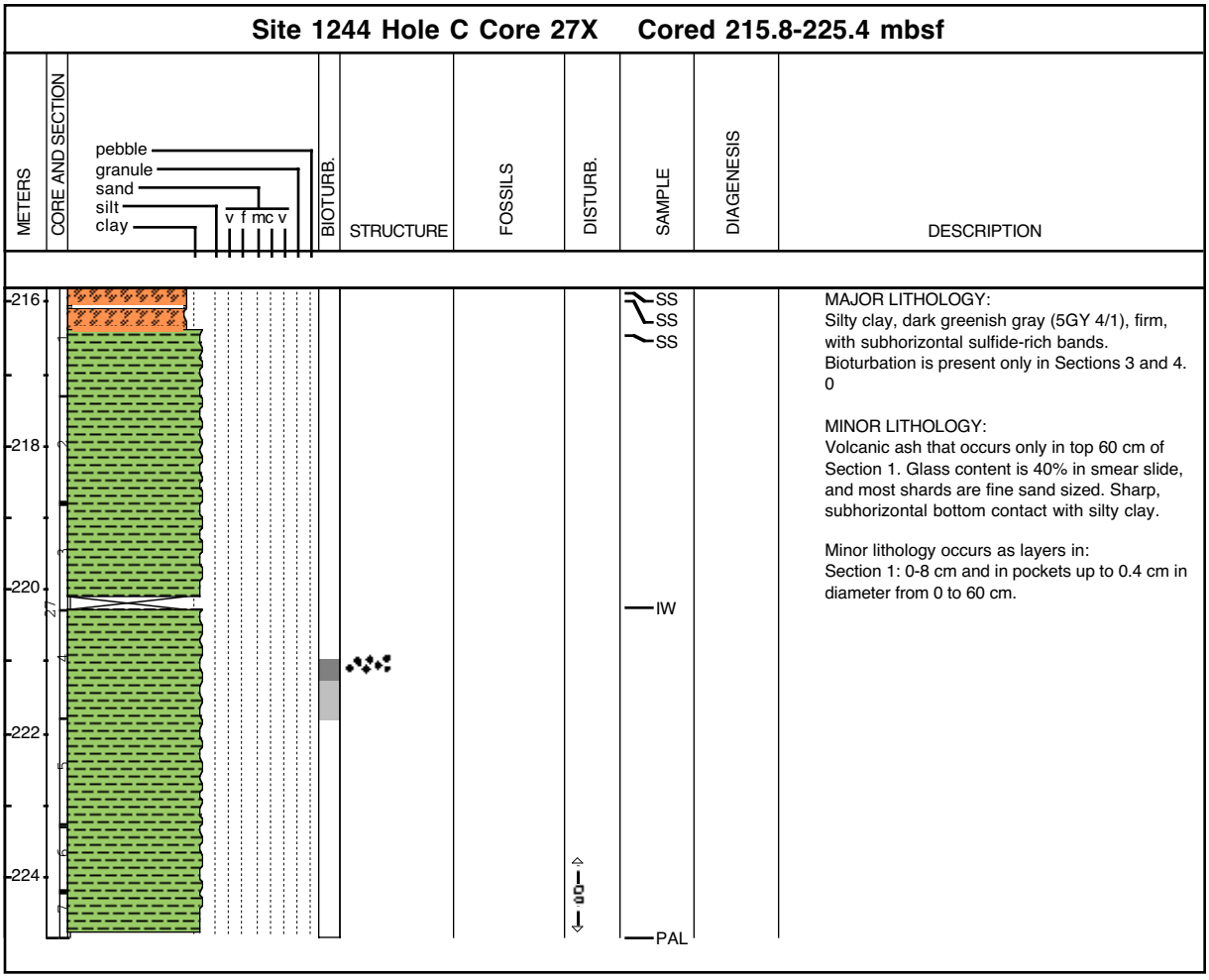
Core Photo


Site 1244 Hole C Core 25X Cored 196.4-206.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
198
200
202
204
206
25
IW
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), with bands of sulfide-rich silty clay (N2.5-N3).

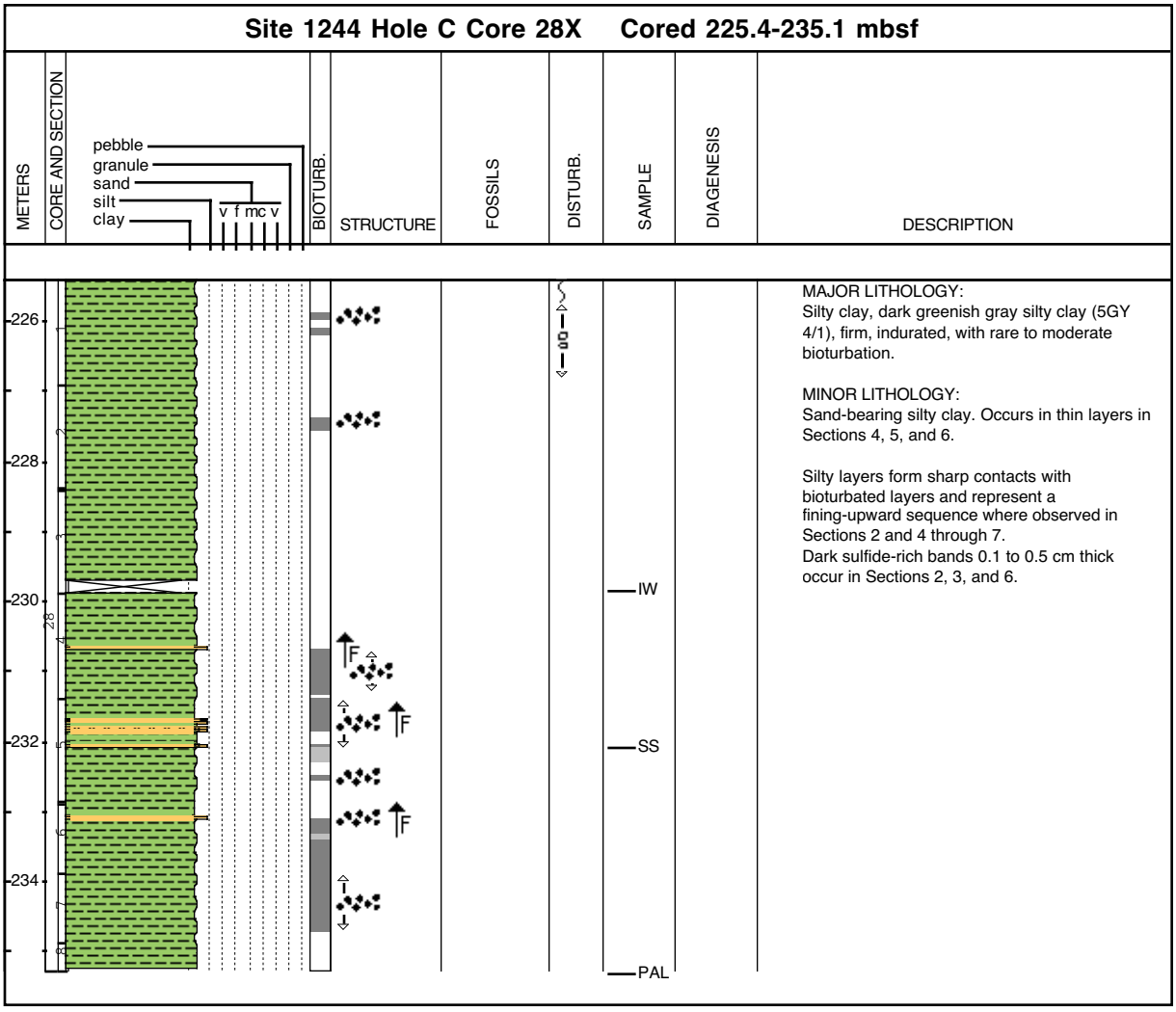
Core Photo


Site 1244 Hole C Core 26X Cored 206.1-215.8 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
208
210
212
214
26
1
2
3
4
5
6
SS
SS
IW
PAL
MAJOR LITHOLOGY:
Clayey silt, dark greenish gray (5GY 4/1), firm, with horizontal laminae, and lacking bioturbation.
Silt is composed of 20% organic calcite, 20% feldspar, and 60% quartz.
Silty clay is highly indurated throughout the core, and core is highly disturbed from drilling.
Pyrite nodules occur in:
Section 2: 3 and 8 cm

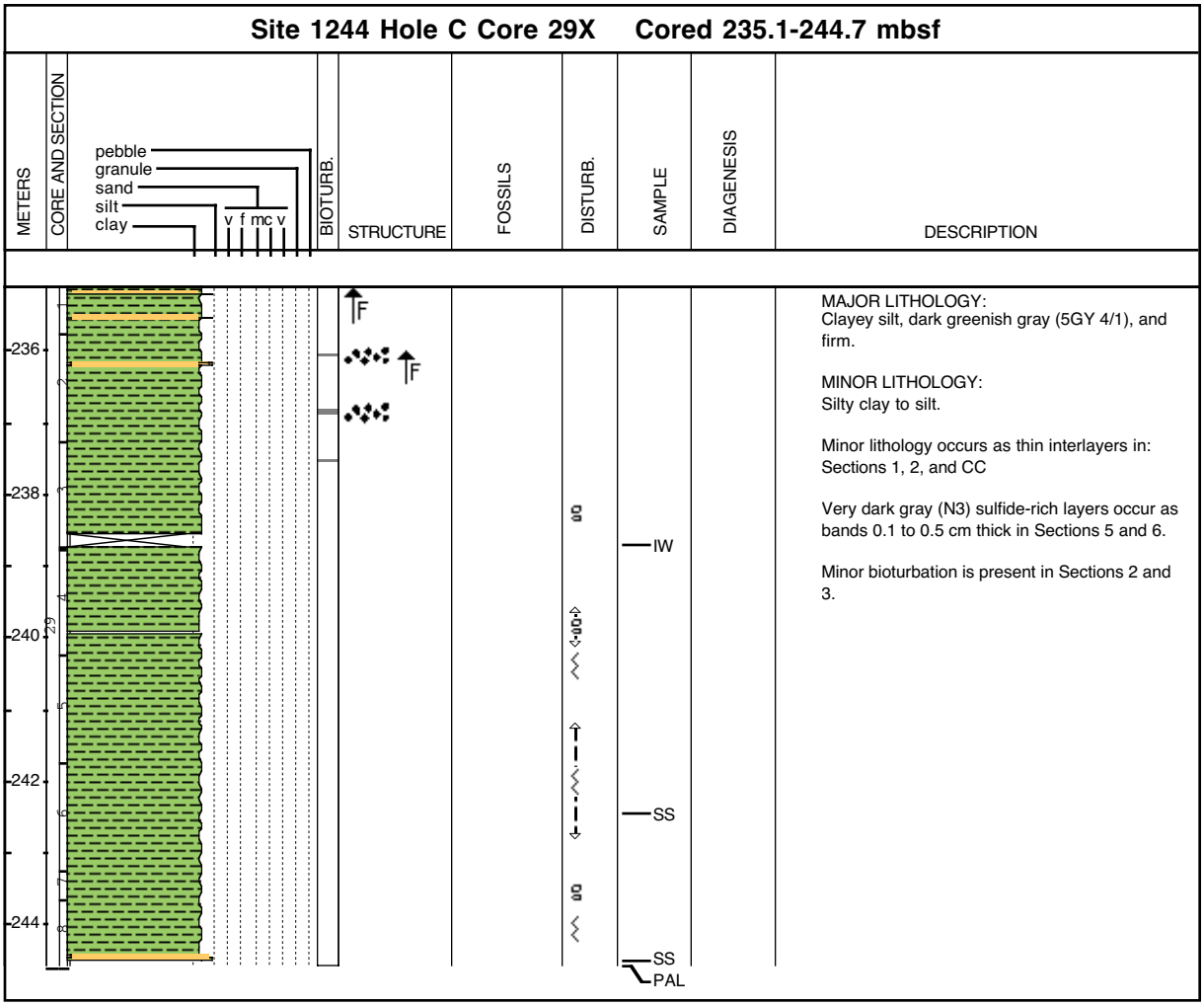
Core Photo


Site 1244 Hole C Core 27X Cored 215.8-225.4 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
216
218
220
222
224
27
1
2
3
4
5
6
7
SS
SS
SS
IW
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), firm, with subhorizontal sulfide-rich bands. Bioturbation is present only in Sections 3 and 4.
0
MINOR LITHOLOGY:
Volcanic ash that occurs only in top 60 cm of Section 1. Glass content is 40% in smear slide, and most shards are fine sand sized. Sharp, subhorizontal bottom contact with silty clay.
Minor lithology occurs as layers in:
Section 1: 0-8 cm and in pockets up to 0.4 cm in diameter from 0 to 60 cm.

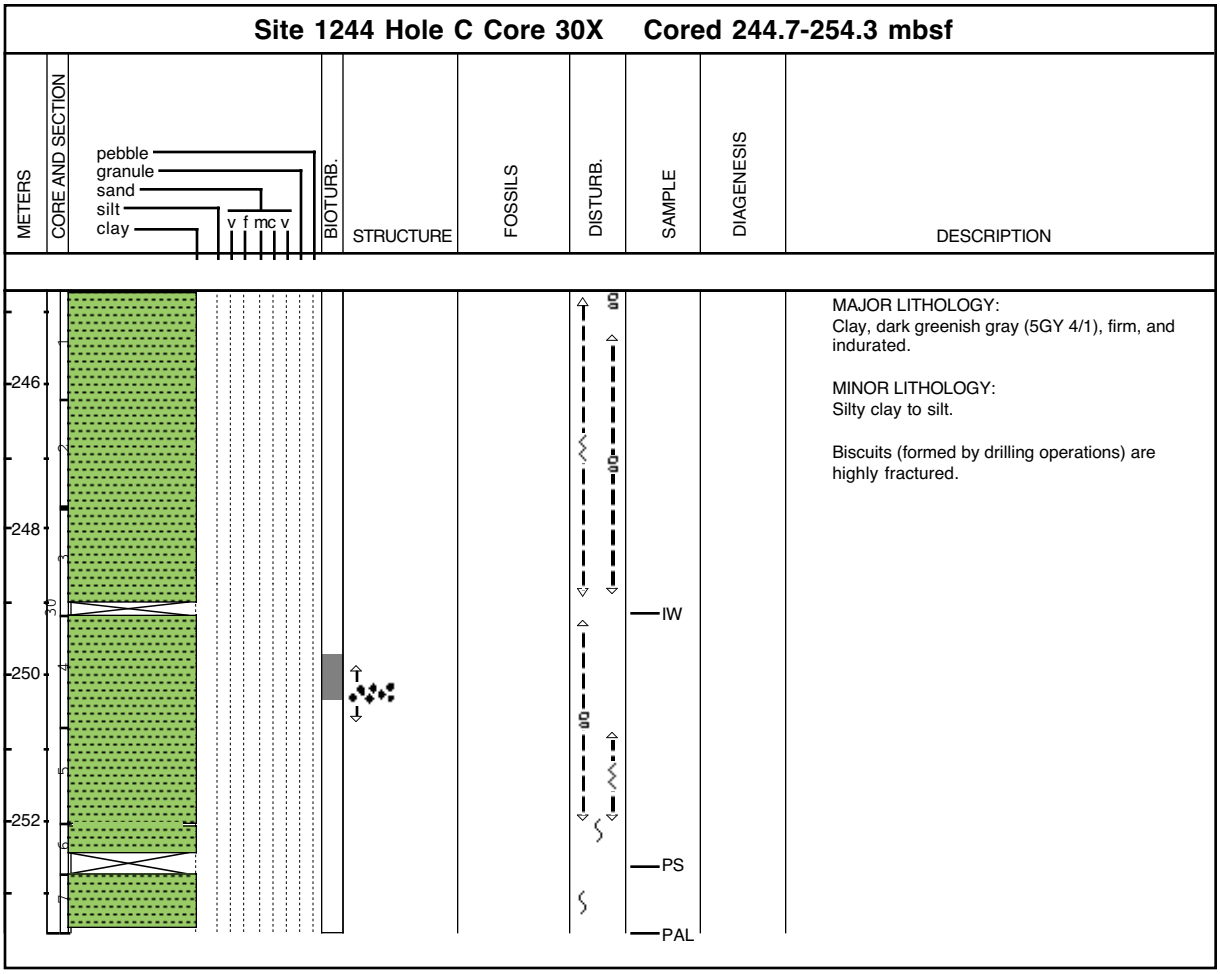
Core Photo


Site 1244 Hole C Core 28X Cored 225.4-235.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
226
228
230
232
234
28
IW
SS
PAL
F
MAJOR LITHOLOGY:
Silty clay, dark greenish gray silty clay (5GY 4/1), firm, indurated, with rare to moderate bioturbation.
MINOR LITHOLOGY:
Sand-bearing silty clay. Occurs in thin layers in Sections 4, 5, and 6.
Silty layers form sharp contacts with bioturbated layers and represent a fining-upward sequence where observed in Sections 2 and 4 through 7.
Dark sulfide-rich bands 0.1 to 0.5 cm thick occur in Sections 2, 3, and 6.

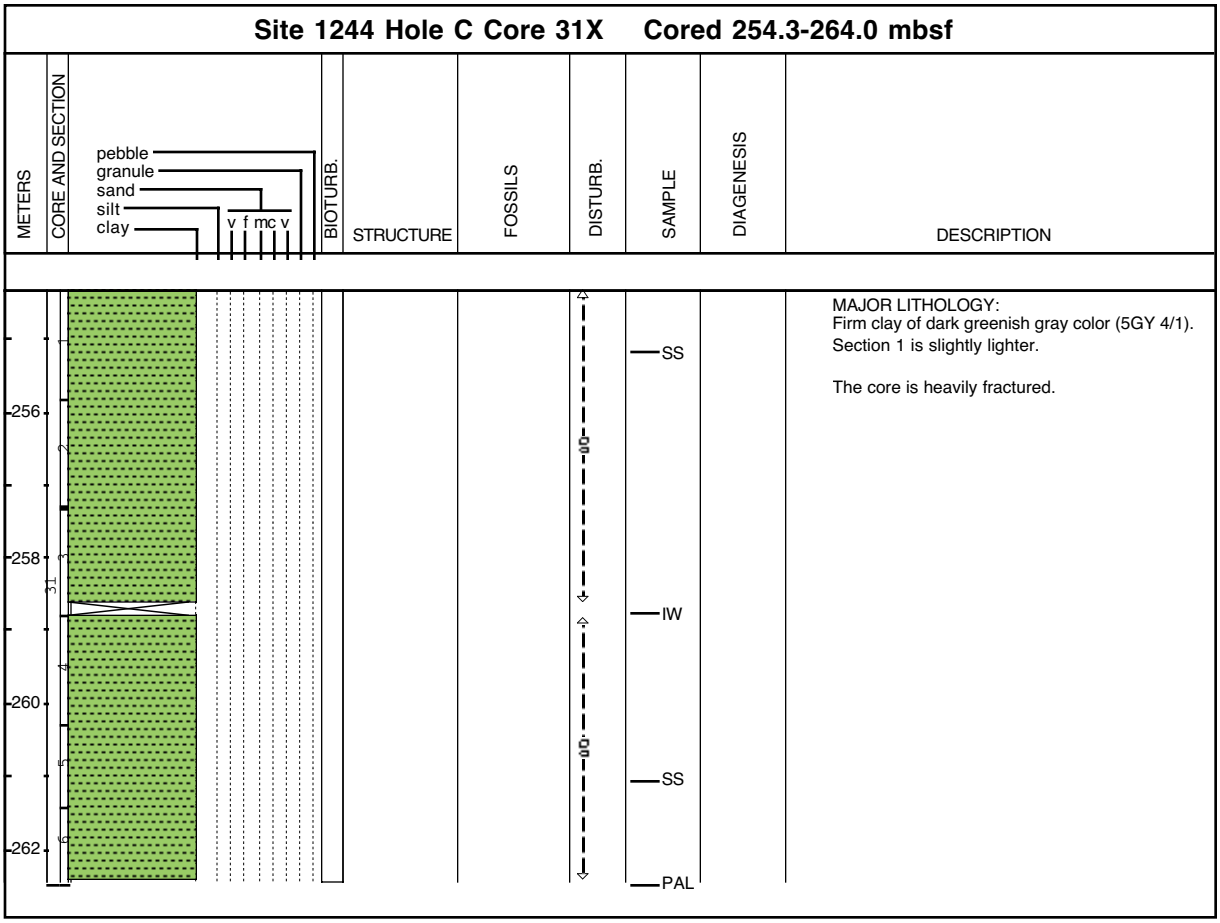
Core Photo


Site 1244 Hole C Core 29X Cored 235.1-244.7 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
236
238
240
242
244
29
1
2
3
4
5
6
7
8
F
F
IW
SS
SS
PAL
MAJOR LITHOLOGY:
Clayey silt, dark greenish gray (5GY 4/1), and firm.
MINOR LITHOLOGY:
Silty clay to silt.
Minor lithology occurs as thin interlayers in: Sections 1, 2, and CC
Very dark gray (N3) sulfide-rich layers occur as bands 0.1 to 0.5 cm thick in Sections 5 and 6.
Minor bioturbation is present in Sections 2 and 3.

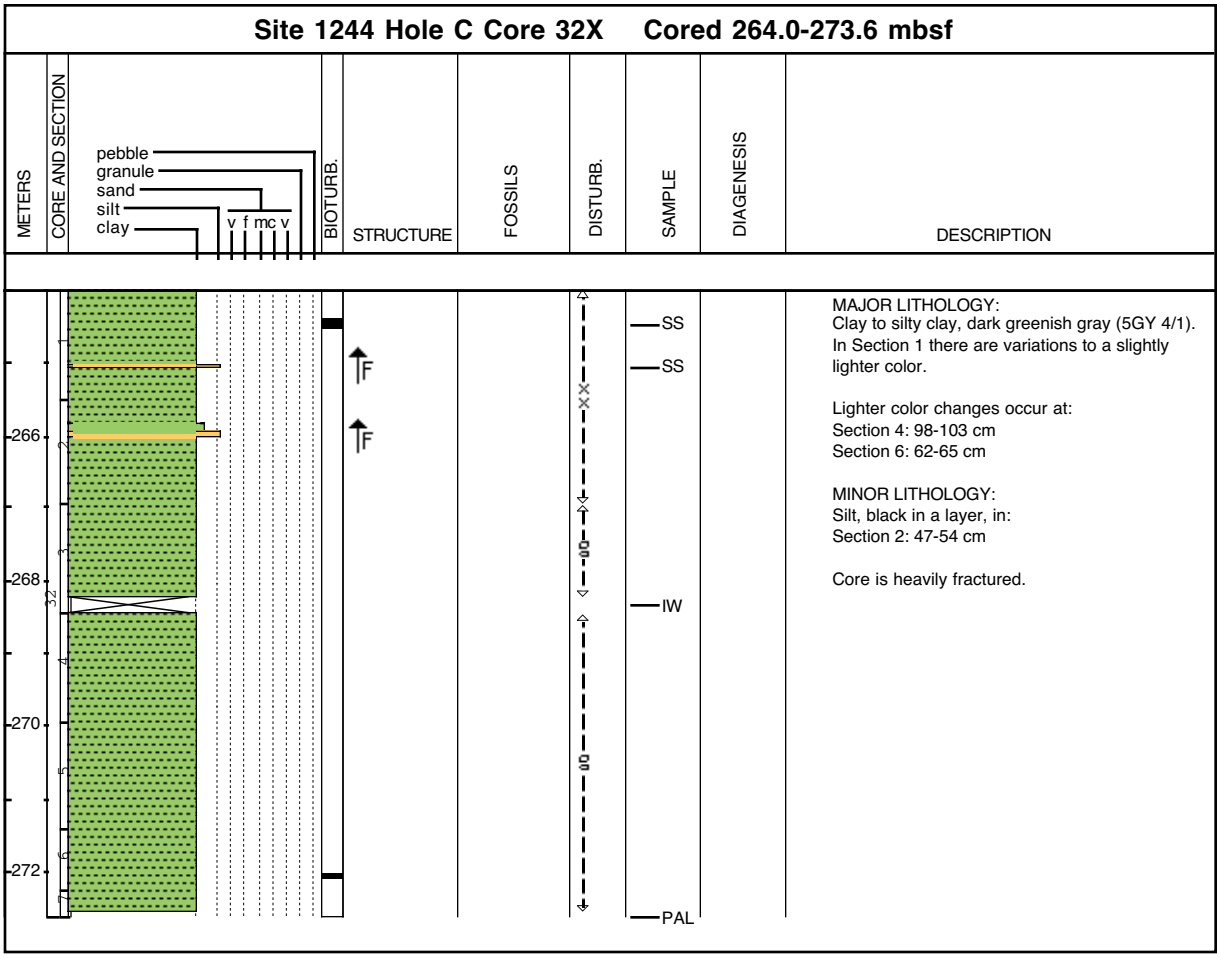
Core Photo


Site 1244 Hole C Core 30X Cored 244.7-254.3 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
246
248
250
252
30
IW
PS
PAL
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1), firm, and indurated.
MINOR LITHOLOGY:
Silty clay to silt.
Biscuits (formed by drilling operations) are highly fractured.

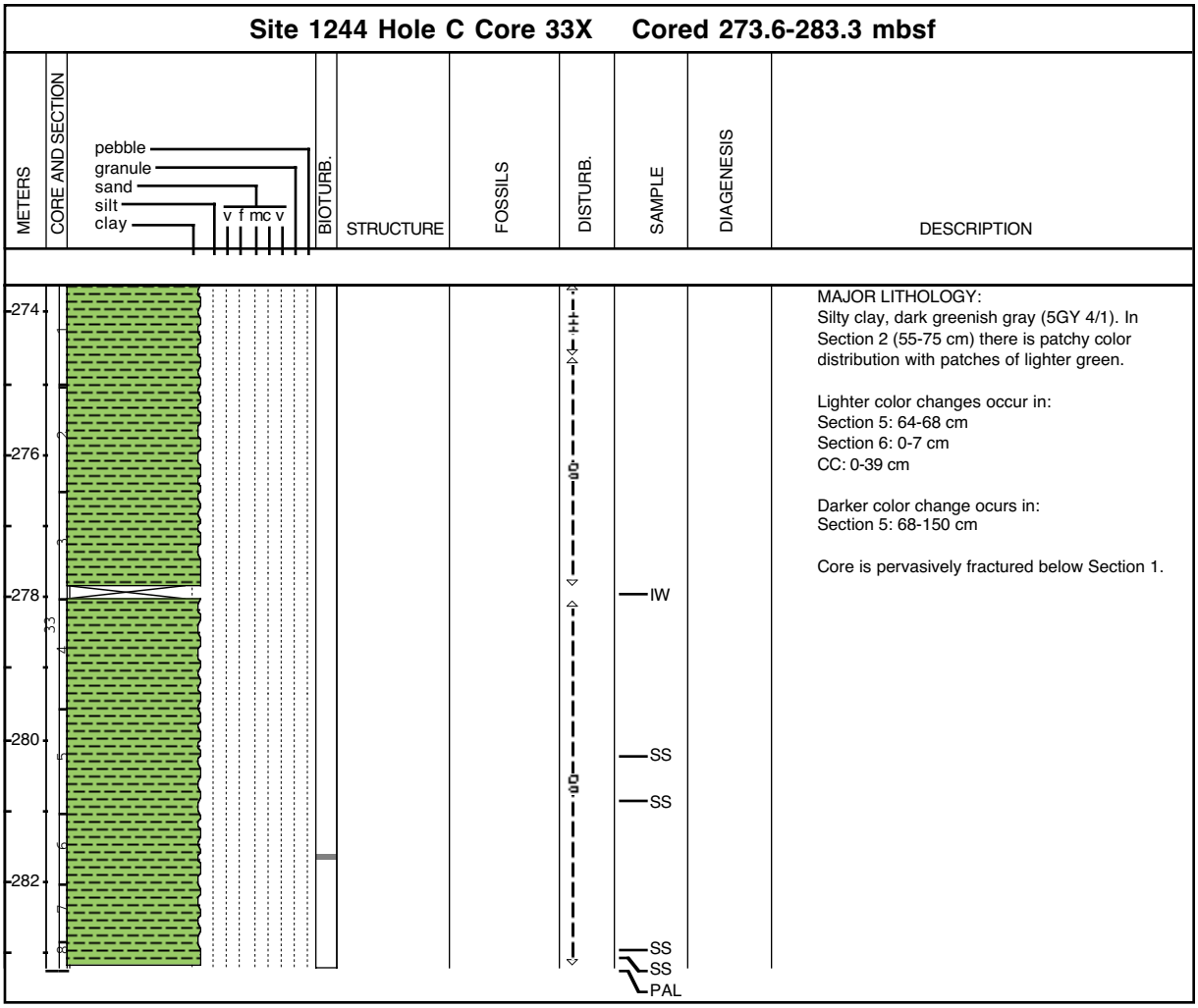
Core Photo


Site 1244 Hole C Core 31X Cored 254.3-264.0 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
256
258
260
262
31
1
2
3
4
5
6
SS
IW
SS
PAL
MAJOR LITHOLOGY:
Firm clay of dark greenish gray color (5GY 4/1).
Section 1 is slightly lighter.
The core is heavily fractured.

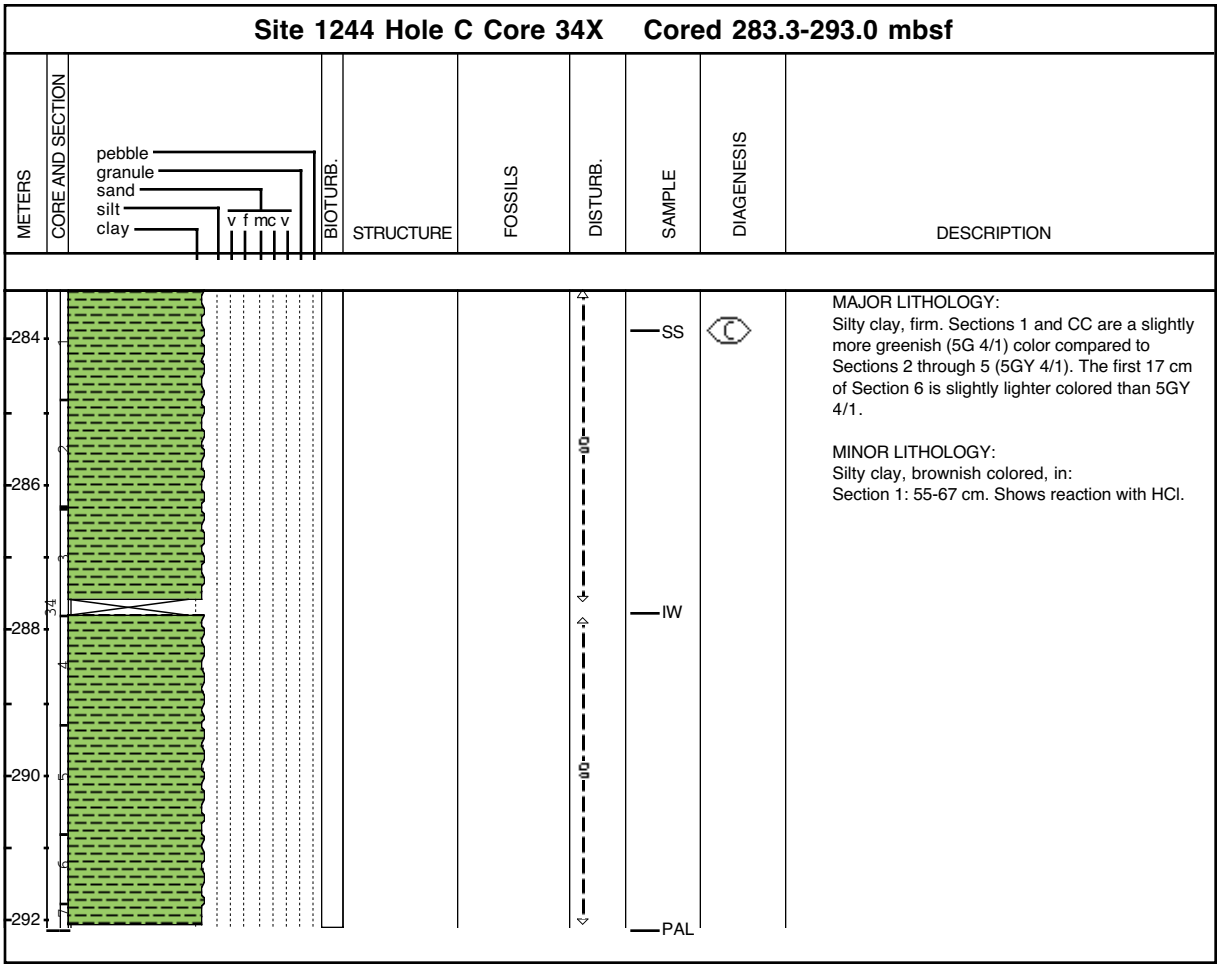
Core Photo


Site 1244 Hole C Core 32X Cored 264.0-273.6 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
266
268
270
272
32
F
F
SS
SS
IW
PAL
MAJOR LITHOLOGY:
Clay to silty clay, dark greenish gray (5GY 4/1).
In Section 1 there are variations to a slightly lighter color.
Lighter color changes occur at:
Section 4: 98-103 cm
Section 6: 62-65 cm
MINOR LITHOLOGY:
Silt, black in a layer, in:
Section 2: 47-54 cm
Core is heavily fractured.

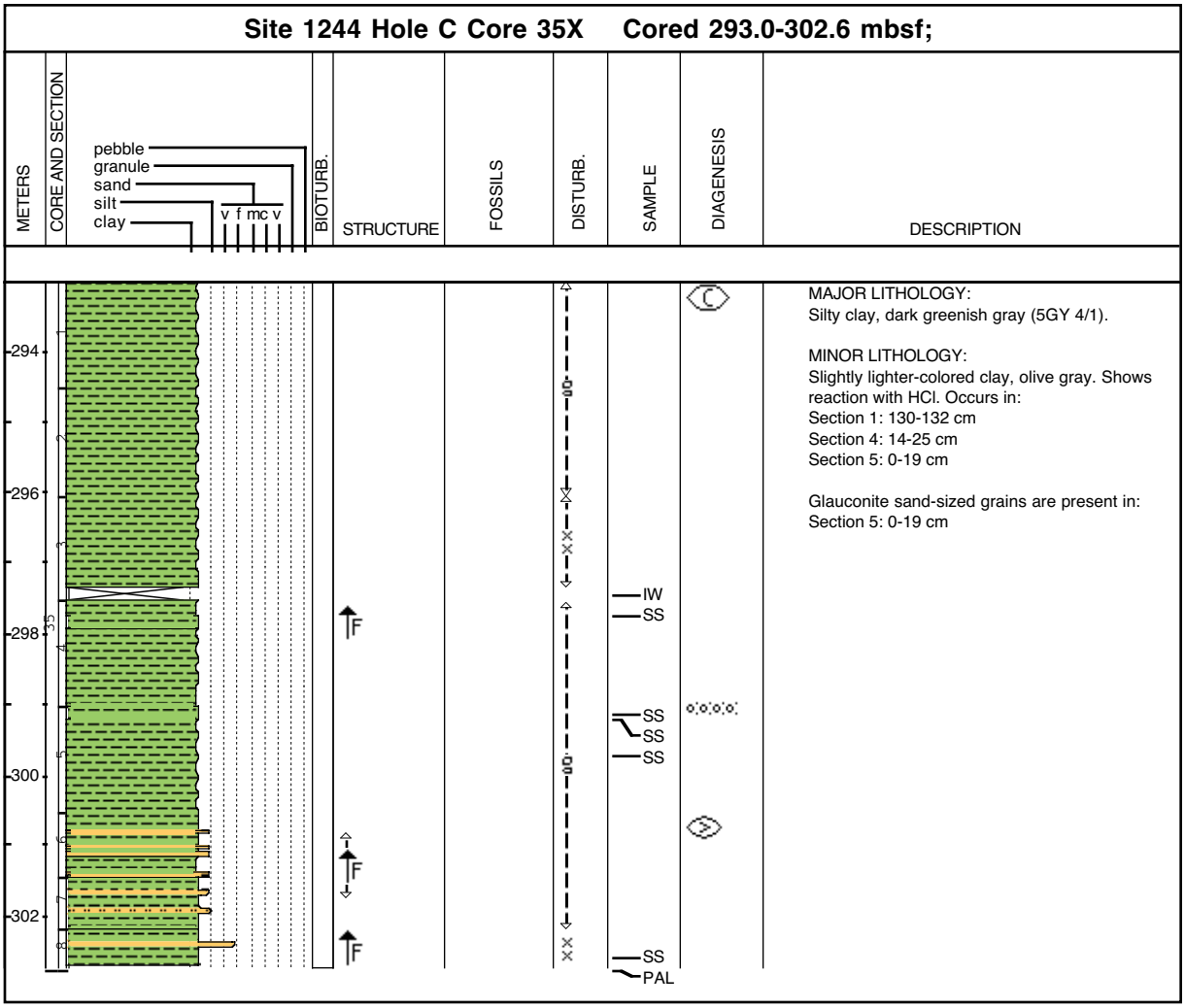
Core Photo


Site 1244 Hole C Core 33X Cored 273.6-283.3 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
274
276
278
280
282
33
1
2
3
4
5
6
7
CC
IW
SS
SS
SS
SS
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1). In Section 2 (55-75 cm) there is patchy color distribution with patches of lighter green.
Lighter color changes occur in:
Section 5: 64-68 cm
Section 6: 0-7 cm
CC: 0-39 cm
Darker color change ocurs in:
Section 5: 68-150 cm
Core is pervasively fractured below Section 1.

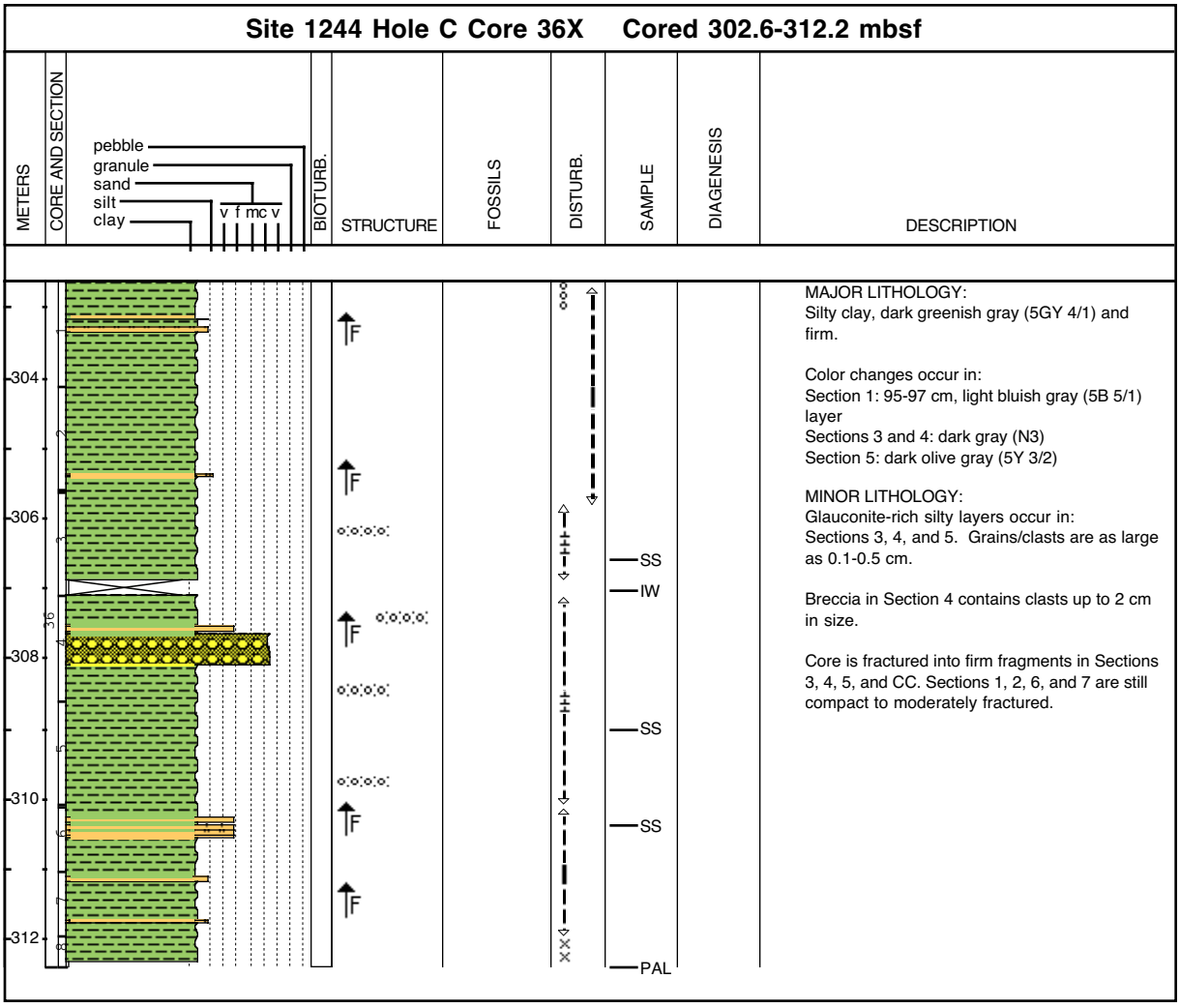
Core Photo


Site 1244 Hole C Core 34X Cored 283.3-293.0 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
284
286
288
290
292
34
SS
IW
PAL
C
MAJOR LITHOLOGY:
Silty clay, firm. Sections 1 and CC are a slightly more greenish (5G 4/1) color compared to Sections 2 through 5 (5GY 4/1). The first 17 cm of Section 6 is slightly lighter colored than 5GY 4/1.
MINOR LITHOLOGY:
Silty clay, brownish colored, in:
Section 1: 55-67 cm. Shows reaction with HCl.

Core Photo

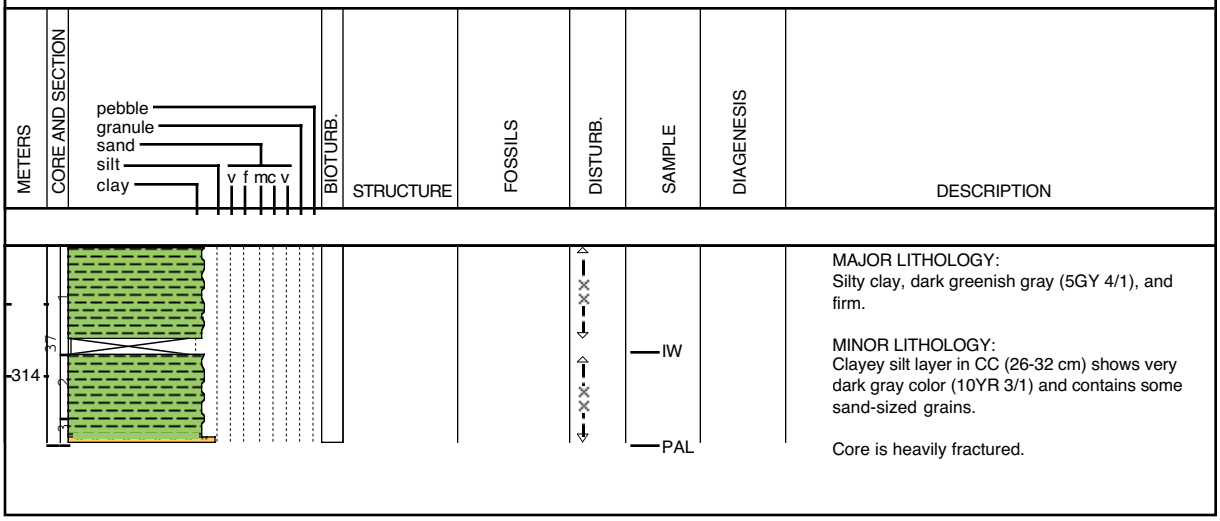

Site 1244 Hole C Core 35X Cored 293.0-302.6 mbsf;
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
294
296
298
300
302
35
IW
SS
SS
SS
SS
SS
PAL
F
F
F
C
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1).
MINOR LITHOLOGY:
Slightly lighter-colored clay, olive gray. Shows reaction with HCl. Occurs in:
Section 1: 130-132 cm
Section 4: 14-25 cm
Section 5: 0-19 cm
Glauconite sand-sized grains are present in:
Section 5: 0-19 cm

Core Photo

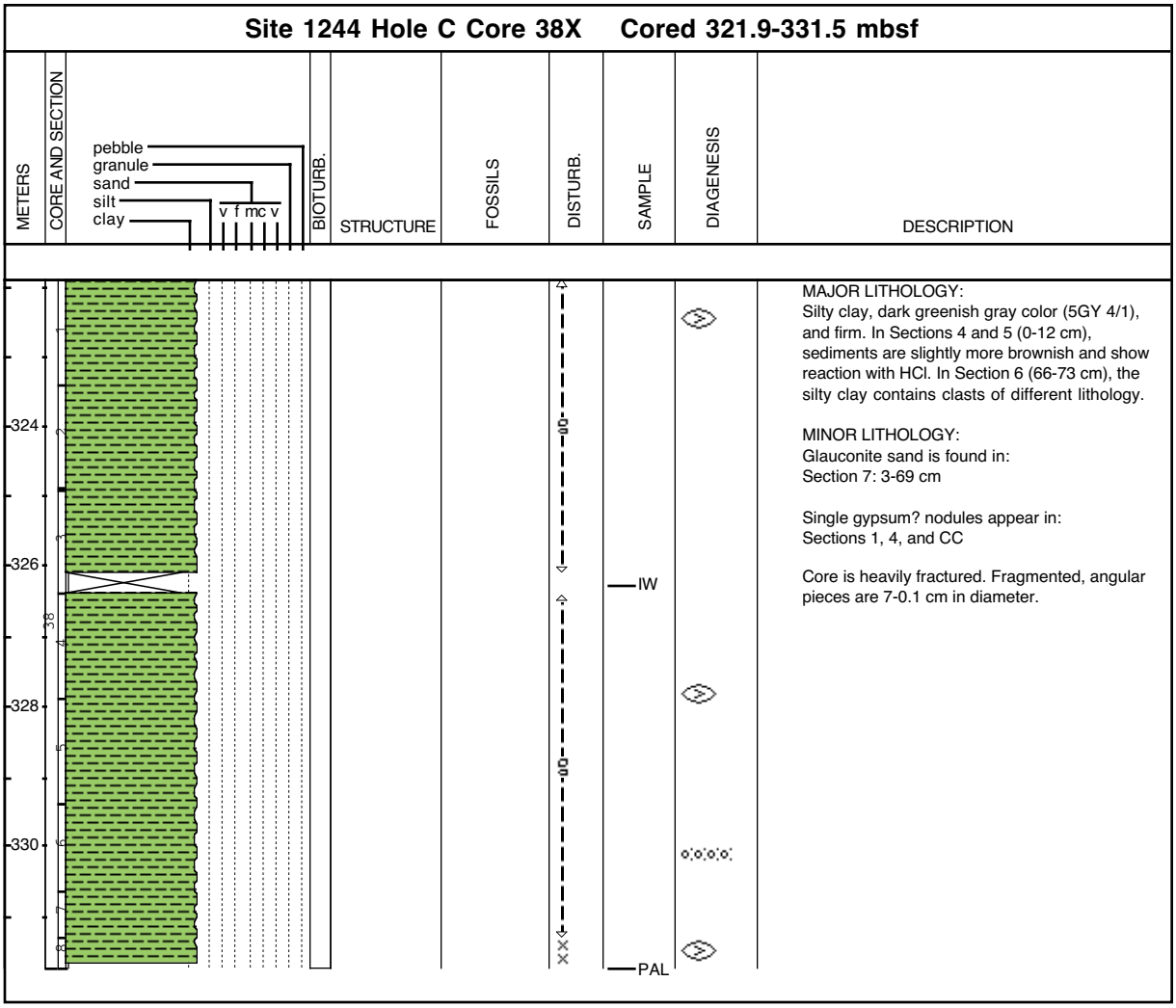

Site 1244 Hole C Core 36X Cored 302.6-312.2 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
304
306
308
310
312
36
SS
IW
SS
SS
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1) and firm.
Color changes occur in:
Section 1: 95-97 cm, light bluish gray (5B 5/1) layer
Sections 3 and 4: dark gray (N3)
Section 5: dark olive gray (5Y 3/2)
MINOR LITHOLOGY:
Glauconite-rich silty layers occur in:
Sections 3, 4, and 5. Grains/clasts are as large as 0.1-0.5 cm.
Breccia in Section 4 contains clasts up to 2 cm in size.
Core is fractured into firm fragments in Sections 3, 4, 5, and CC. Sections 1, 2, 6, and 7 are still compact to moderately fractured.

Core Photo

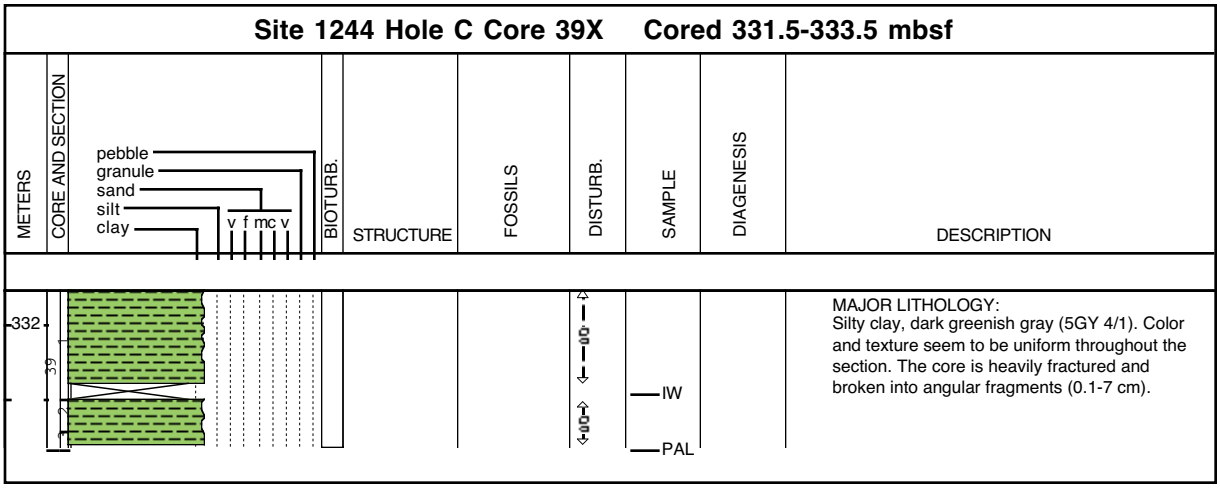
Site 1244 Hole C Core 37X Cored 312.2-321.9 mbsf



Core Photo

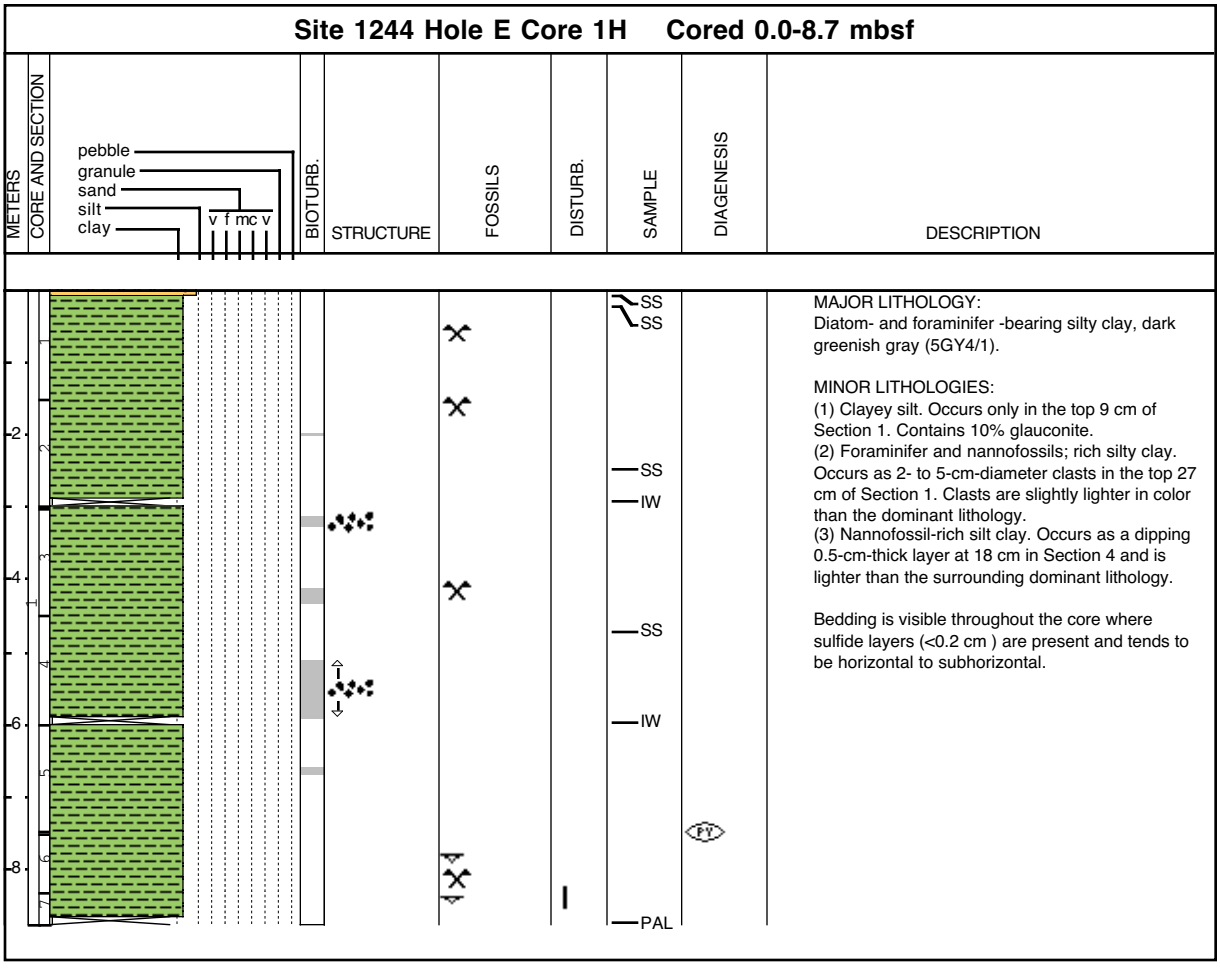

Site 1244 Hole C Core 38X Cored 321.9-331.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
324
326
328
330
38
IW
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray color (5GY 4/1), and firm. In Sections 4 and 5 (0-12 cm), sediments are slightly more brownish and show reaction with HCl. In Section 6 (66-73 cm), the silty clay contains clasts of different lithology.
MINOR LITHOLOGY:
Glauconite sand is found in:
Section 7: 3-69 cm
Single gypsum? nodules appear in:
Sections 1, 4, and CC
Core is heavily fractured. Fragmented, angular pieces are 7-0.1 cm in diameter.

Core Photo

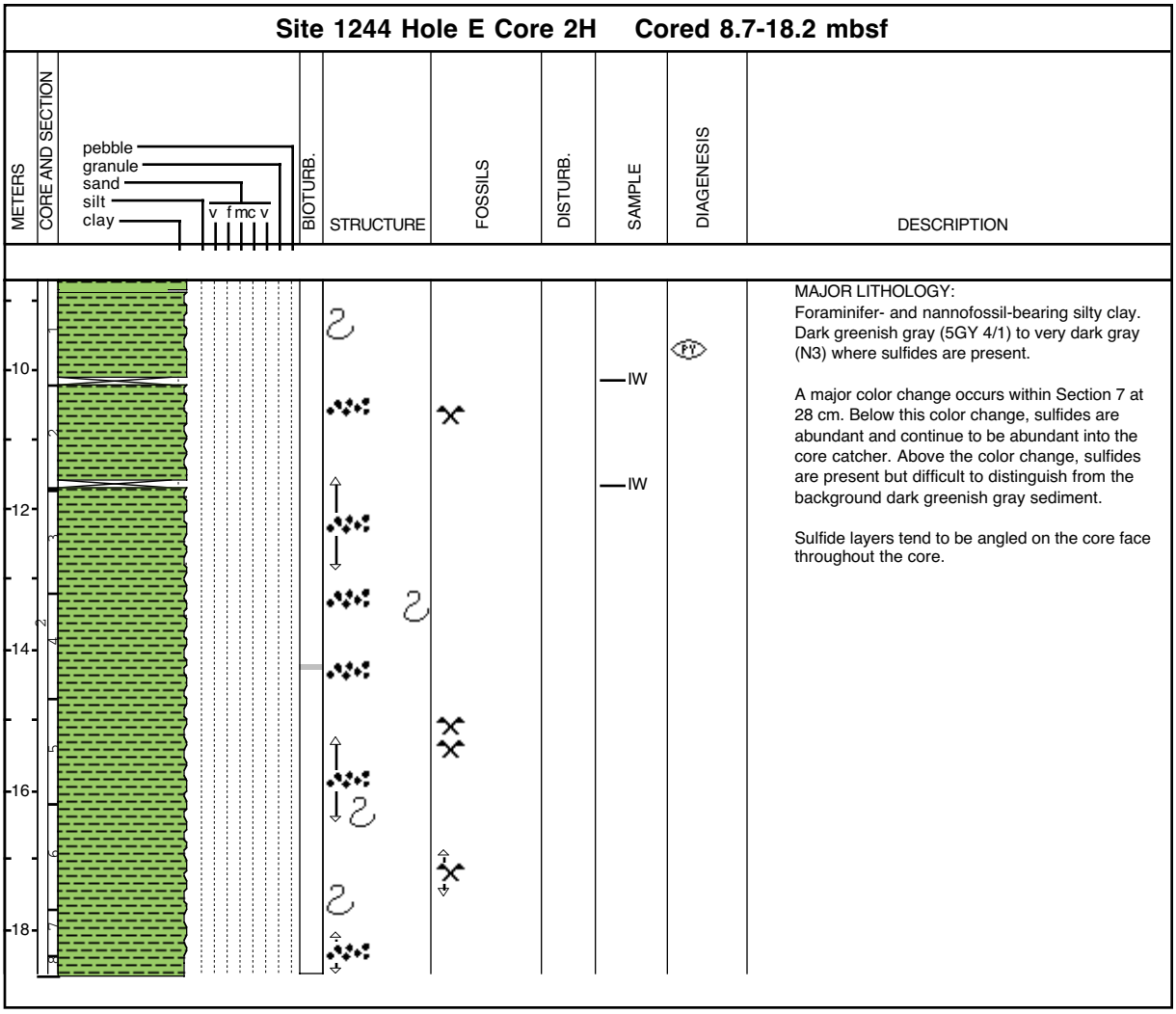


Hole D Drilled, but not cored.

Core Photo

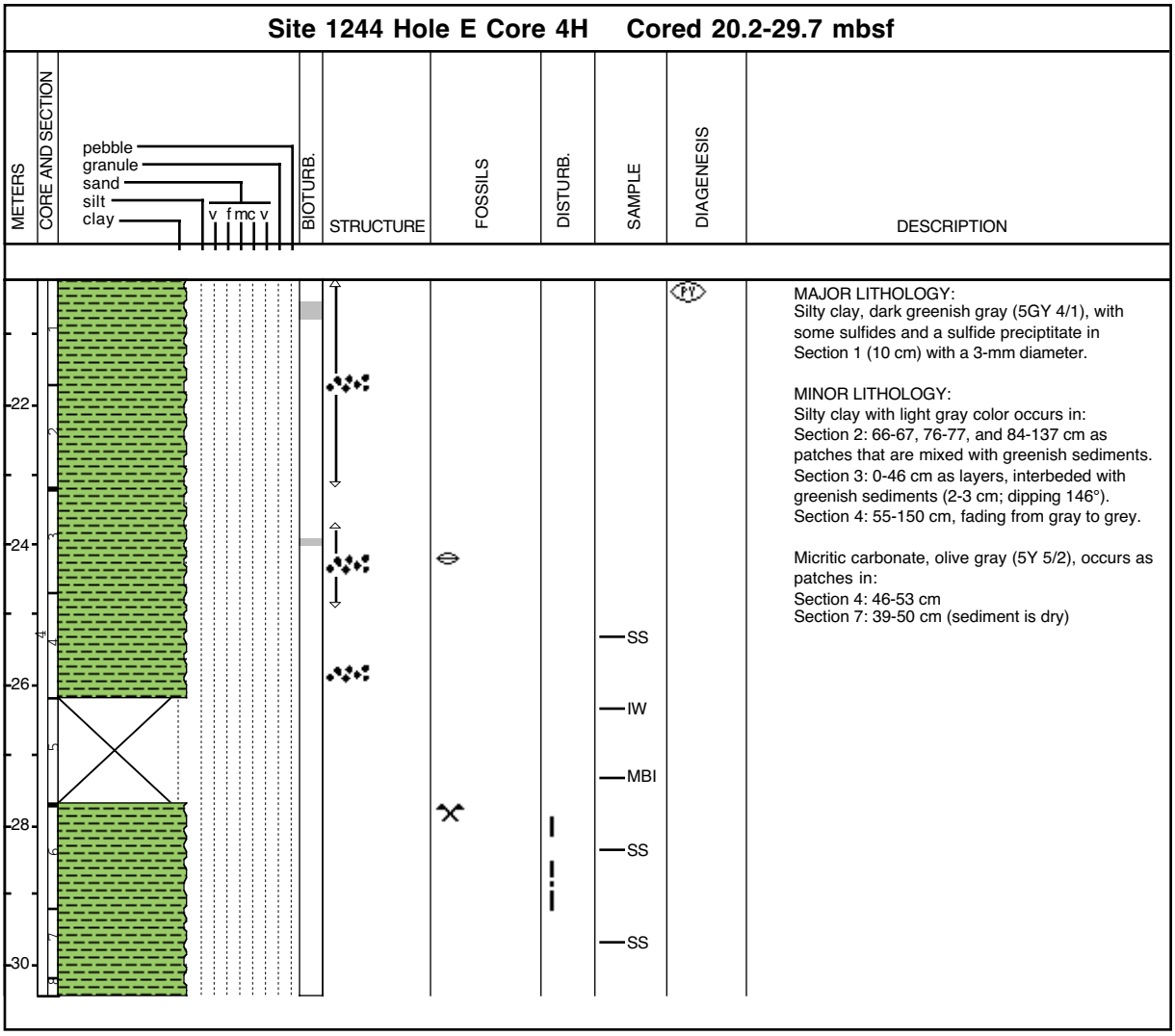

Site 1244 Hole E Core 1H Cored 0.0-8.7 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
SS
SS
SS
IW
SS
IW
PAL
PY
MAJOR LITHOLOGY:
Diatom- and foraminifer -bearing silty clay, dark greenish gray (5GY4/1).
MINOR LITHOLOGIES:
(1) Clayey silt. Occurs only in the top 9 cm of Section 1. Contains 10% glauconite.
(2) Foraminifer and nannofossils; rich silty clay. Occurs as 2- to 5-cm-diameter clasts in the top 27 cm of Section 1. Clasts are slightly lighter in color than the dominant lithology.
(3) Nannofossil-rich silt clay. Occurs as a dipping 0.5-cm-thick layer at 18 cm in Section 4 and is lighter than the surrounding dominant lithology.
Bedding is visible throughout the core where sulfide layers (<0.2 cm) are present and tends to be horizontal to subhorizontal.

Core Photo

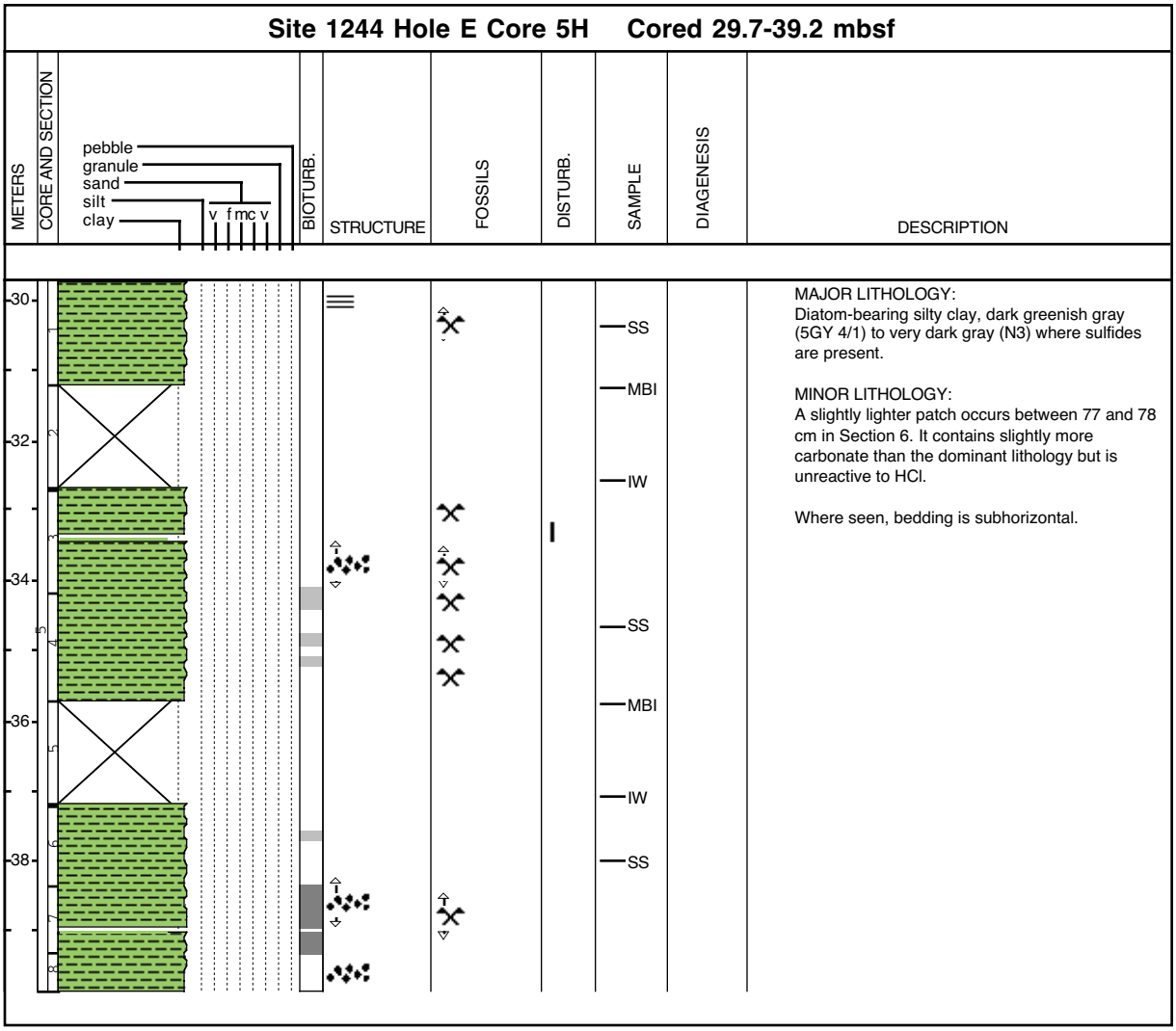


1244E-3P No Revcovery

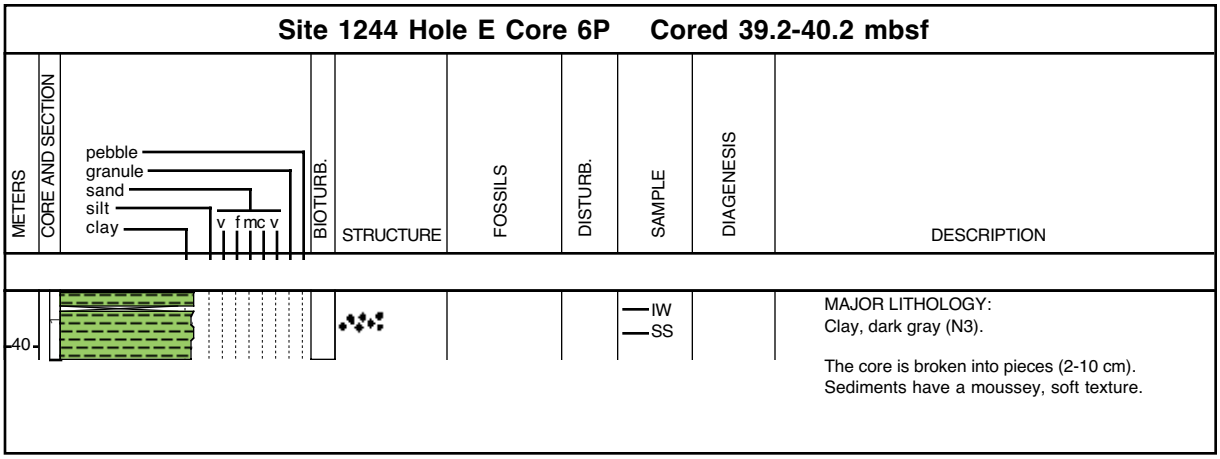
Core Photo


Site 1244 Hole E Core 4H Cored 20.2-29.7 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f m c v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
22
24
26
28
30
SS
IW
MBI
SS
SS
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), with some sulfides and a sulfide preciptitate in Section 1 (10 cm) with a 3-mm diameter.
MINOR LITHOLOGY:
Silty clay with light gray color occurs in:
Section 2: 66-67, 76-77, and 84-137 cm as patches that are mixed with greenish sediments.
Section 3: 0-46 cm as layers, interbeded with greenish sediments (2-3 cm; dipping 146°).
Section 4: 55-150 cm, fading from gray to grey.
Micritic carbonate, olive gray (5Y 5/2), occurs as patches in:
Section 4: 46-53 cm
Section 7: 39-50 cm (sediment is dry)

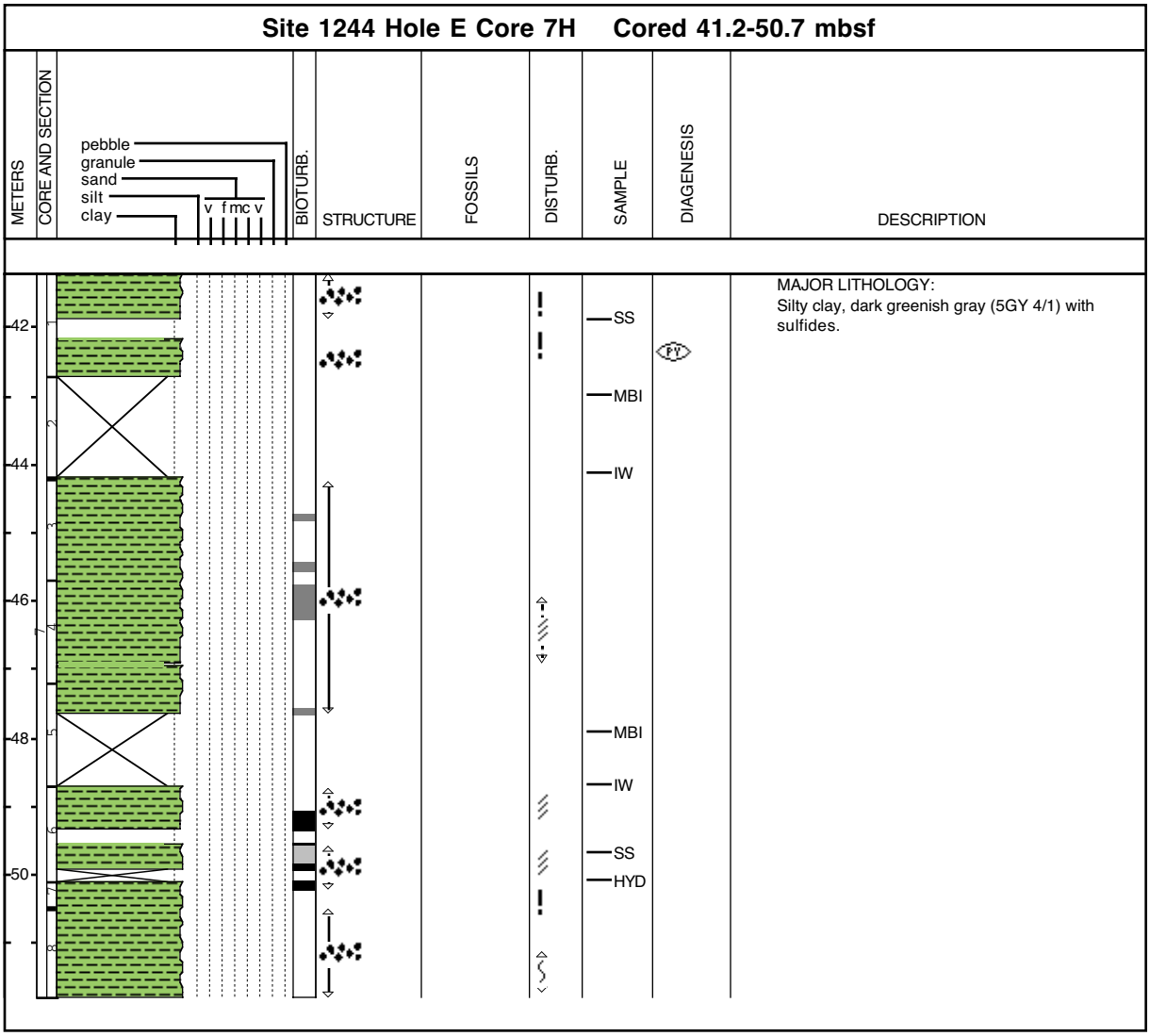
Core Photo


Site 1244 Hole E Core 5H Cored 29.7-39.2 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
30
32
34
36
38
SS
MBI
IW
SS
MBI
IW
SS
MAJOR LITHOLOGY:
Diatom-bearing silty clay, dark greenish gray (5GY 4/1) to very dark gray (N3) where sulfides are present.
MINOR LITHOLOGY:
A slightly lighter patch occurs between 77 and 78 cm in Section 6. It contains slightly more carbonate than the dominant lithology but is unreactive to HCl.
Where seen, bedding is subhorizontal.

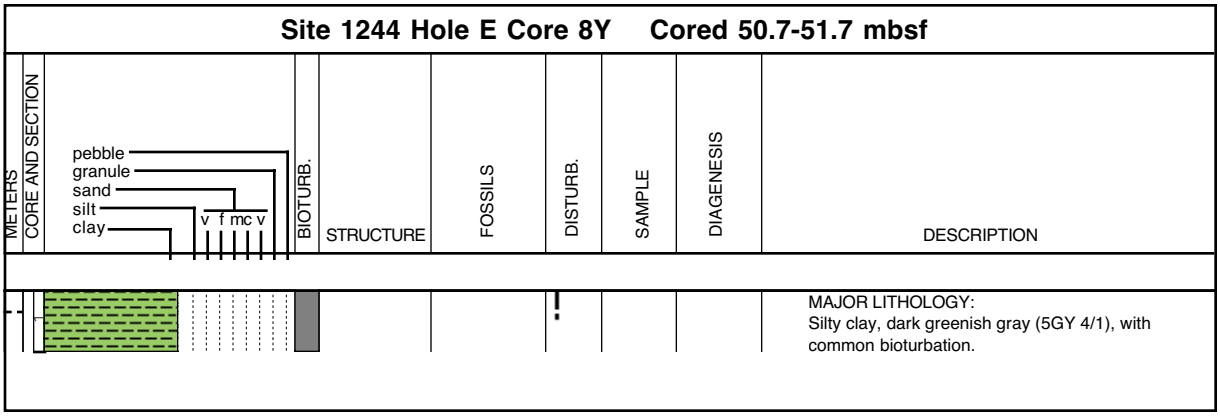
Core Photo


Site 1244 Hole E Core 6P Cored 39.2-40.2 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
40
IW
SS
MAJOR LITHOLOGY:
Clay, dark gray (N3).
The core is broken into pieces (2-10 cm).
Sediments have a moussey, soft texture.

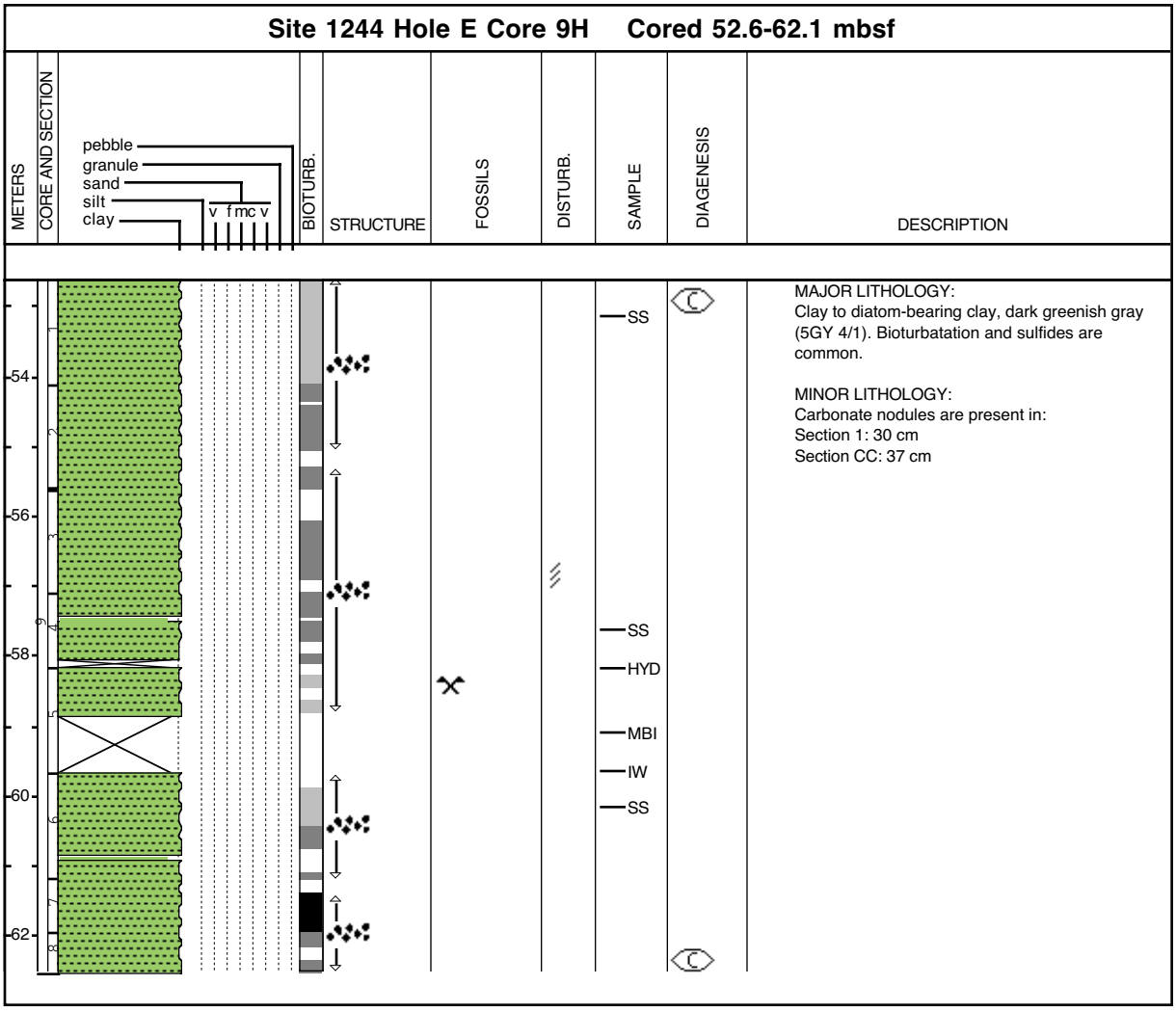
Core Photo


Site 1244 Hole E Core 7H Cored 41.2-50.7 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
42
44
46
48
50
SS
MBI
IW
MBI
IW
SS
HYD
PY
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1) with sulfides.

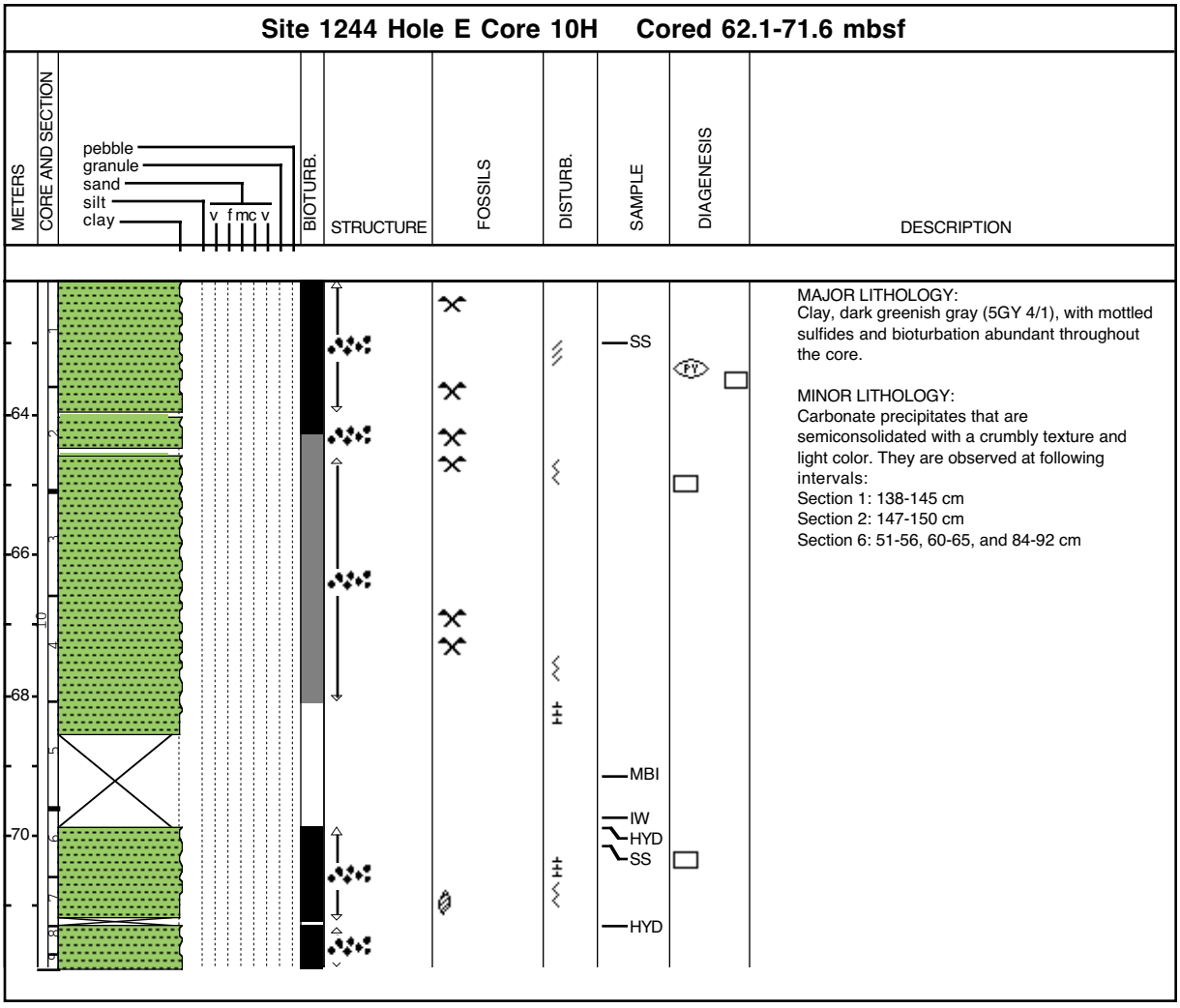
Core Photo


Site 1244 Hole E Core 8Y Cored 50.7-51.7 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), with common bioturbation.

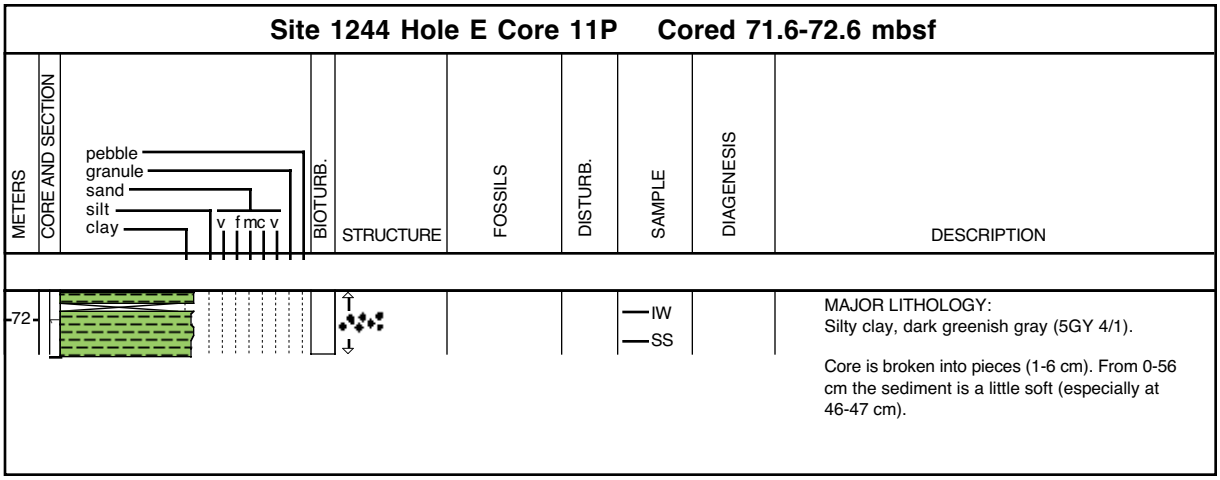
Core Photo


Site 1244 Hole E Core 9H Cored 52.6-62.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
54
56
58
60
62
SS
SS
HYD
MBI
IW
SS
C
C
MAJOR LITHOLOGY:
Clay to diatom-bearing clay, dark greenish gray (5GY 4/1). Bioturbatation and sulfides are common.
MINOR LITHOLOGY:
Carbonate nodules are present in:
Section 1: 30 cm
Section CC: 37 cm

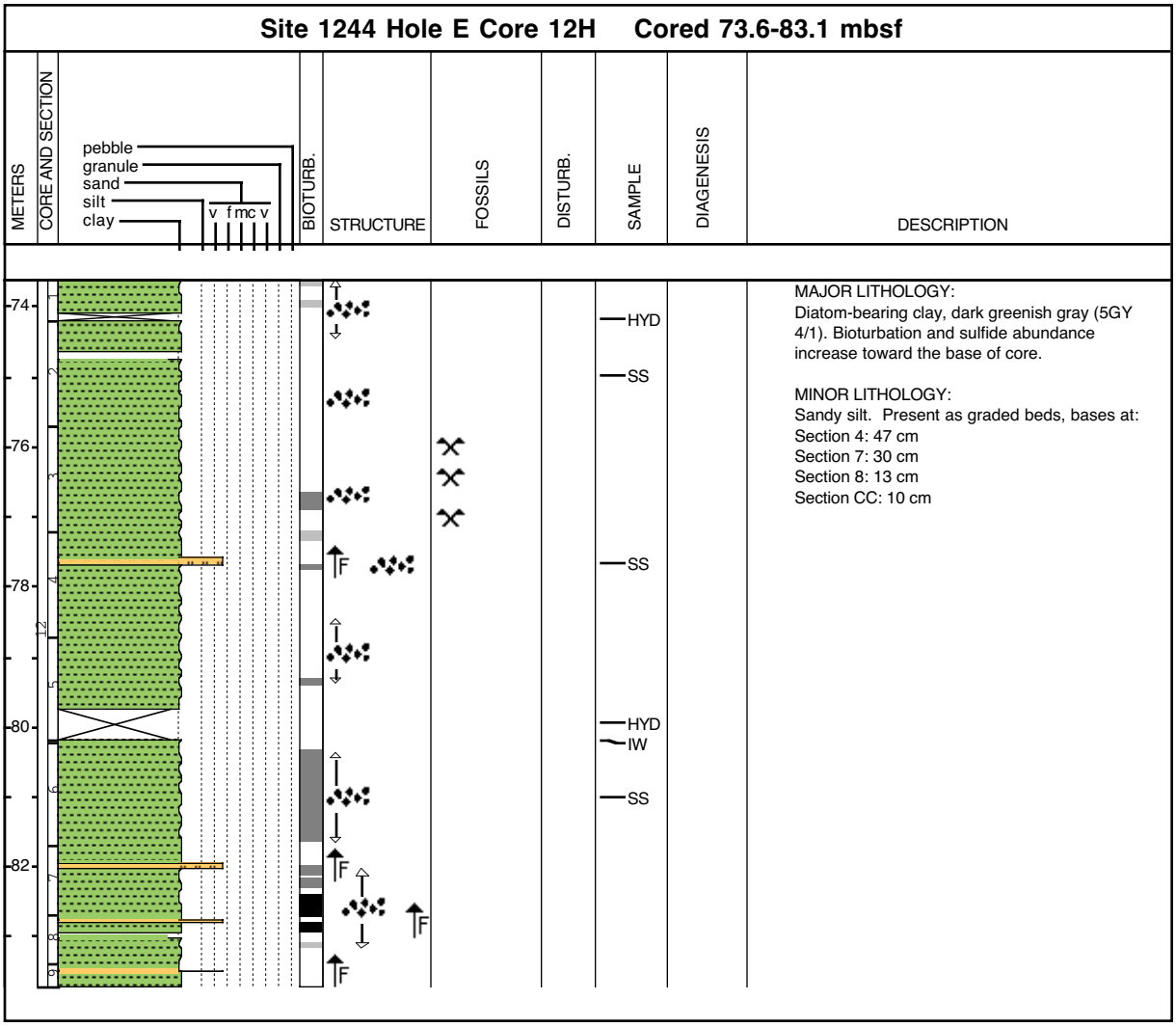
Core Photo


Site 1244 Hole E Core 10H Cored 62.1-71.6 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
64
66
68
70
SS
MBI
IW
HYD
SS
HYD
PY
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1), with mottled sulfides and bioturbation abundant throughout the core.
MINOR LITHOLOGY:
Carbonate precipitates that are semiconsolidated with a crumbly texture and light color. They are observed at following intervals:
Section 1: 138-145 cm
Section 2: 147-150 cm
Section 6: 51-56, 60-65, and 84-92 cm

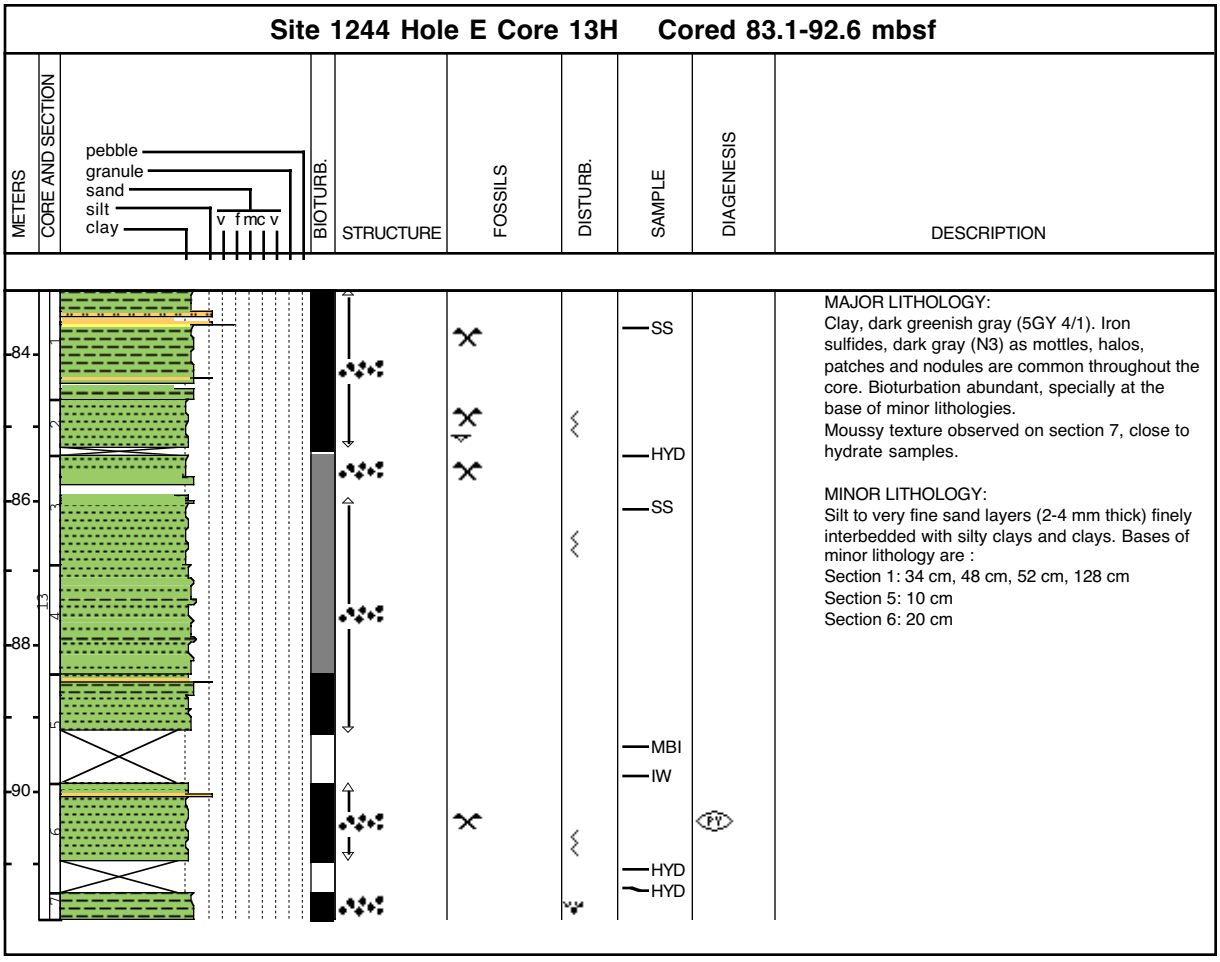
Core Photo


Site 1244 Hole E Core 11P Cored 71.6-72.6 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
72
IW
SS
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1).
Core is broken into pieces (1-6 cm). From 0-56 cm the sediment is a little soft (especially at 46-47 cm).

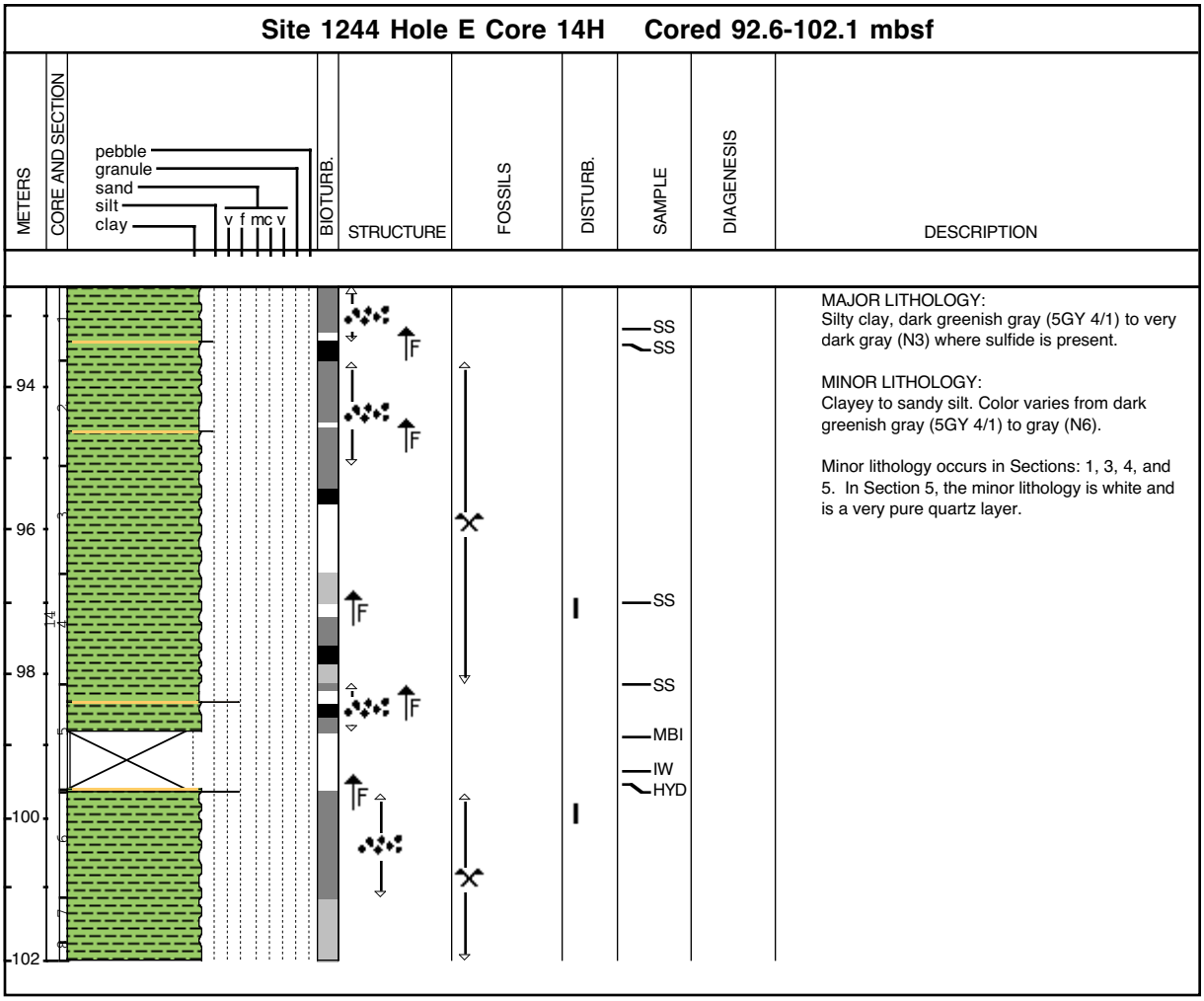
Core Photo


Site 1244 Hole E Core 12H Cored 73.6-83.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
74
76
78
80
82
HYD
SS
SS
HYD
IW
SS
F
MAJOR LITHOLOGY:
Diatom-bearing clay, dark greenish gray (5GY 4/1). Bioturbation and sulfide abundance increase toward the base of core.
MINOR LITHOLOGY:
Sandy silt. Present as graded beds, bases at:
Section 4: 47 cm
Section 7: 30 cm
Section 8: 13 cm
Section CC: 10 cm

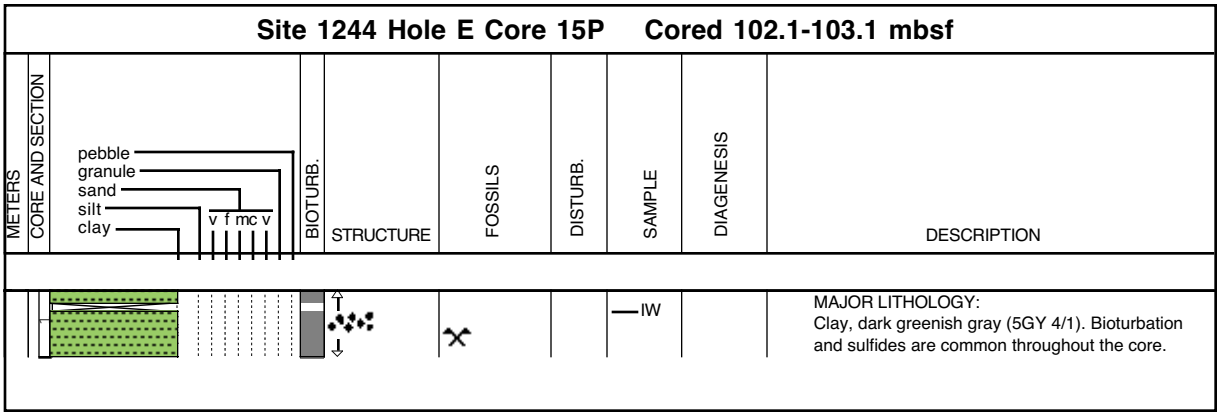
Core Photo


Site 1244 Hole E Core 13H Cored 83.1-92.6 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
84
86
88
90
SS
HYD
SS
MBI
IW
PY
HYD
HYD
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). Iron sulfides, dark gray (N3) as mottles, halos, patches and nodules are common throughout the core. Bioturbation abundant, specially at the base of minor lithologies.
Moussy texture observed on section 7, close to hydrate samples.
MINOR LITHOLOGY:
Silt to very fine sand layers (2-4 mm thick) finely interbedded with silty clays and clays. Bases of minor lithology are :
Section 1: 34 cm, 48 cm, 52 cm, 128 cm
Section 5: 10 cm
Section 6: 20 cm

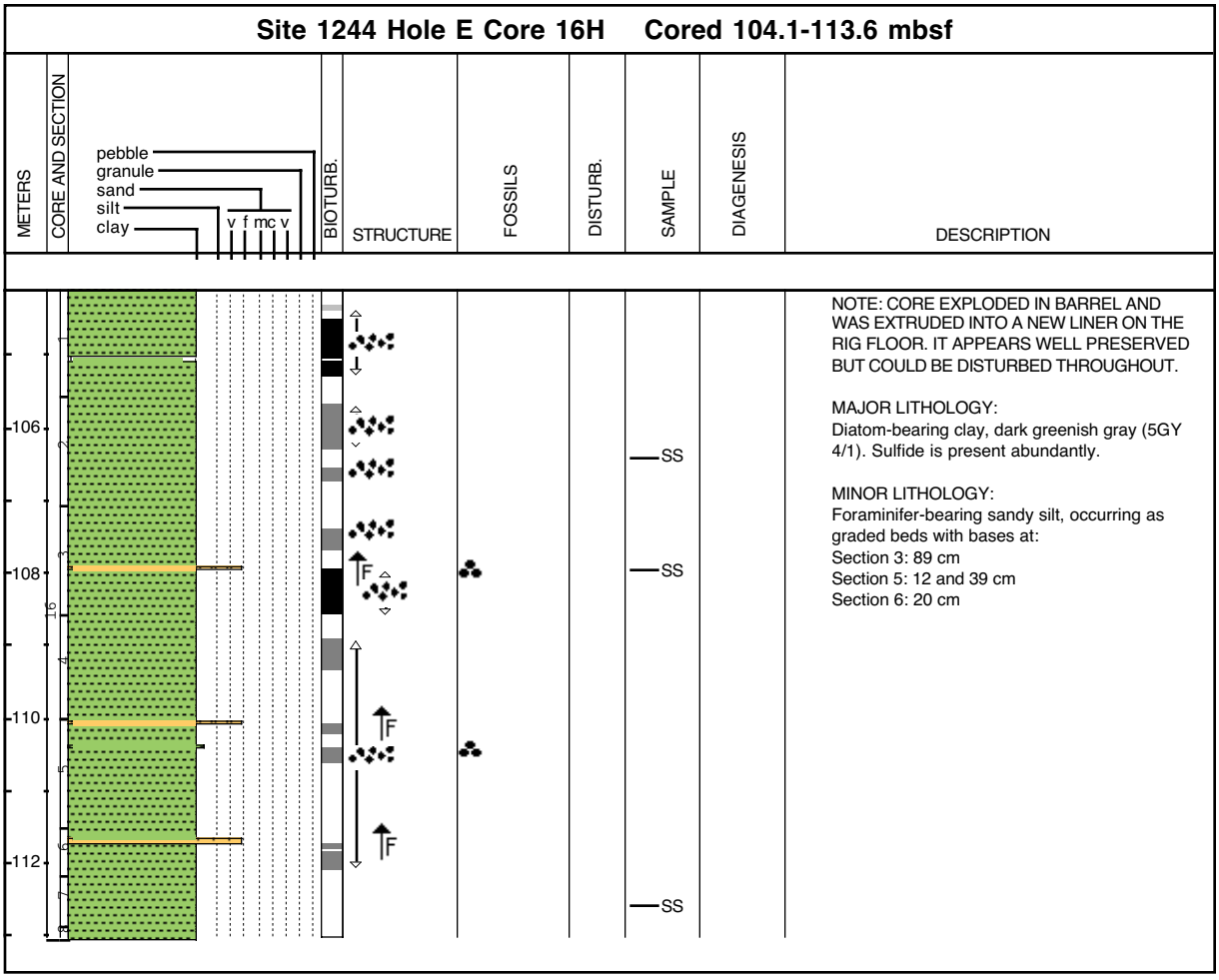
Core Photo


Site 1244 Hole E Core 14H Cored 92.6-102.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
94
96
98
100
102
SS
SS
SS
SS
MBI
IW
HYD
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1) to very dark gray (N3) where sulfide is present.
MINOR LITHOLOGY:
Clayey to sandy silt. Color varies from dark greenish gray (5GY 4/1) to gray (N6).
Minor lithology occurs in Sections: 1, 3, 4, and 5. In Section 5, the minor lithology is white and is a very pure quartz layer.

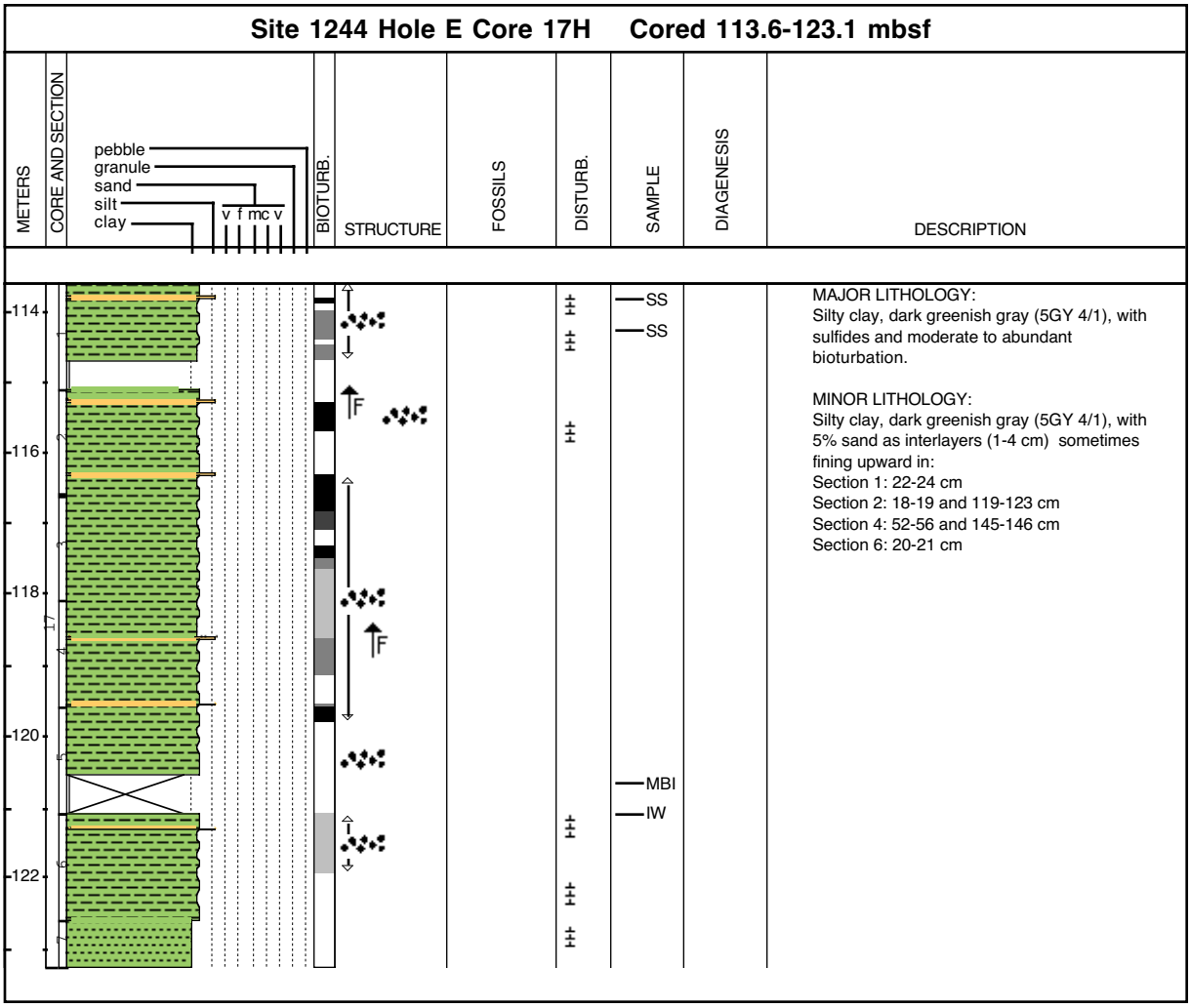
Core Photo


Site 1244 Hole E Core 15P Cored 102.1-103.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
IW
MAJOR LITHOLOGY:
Clay, dark greenish gray (5GY 4/1). Bioturbation and sulfides are common throughout the core.

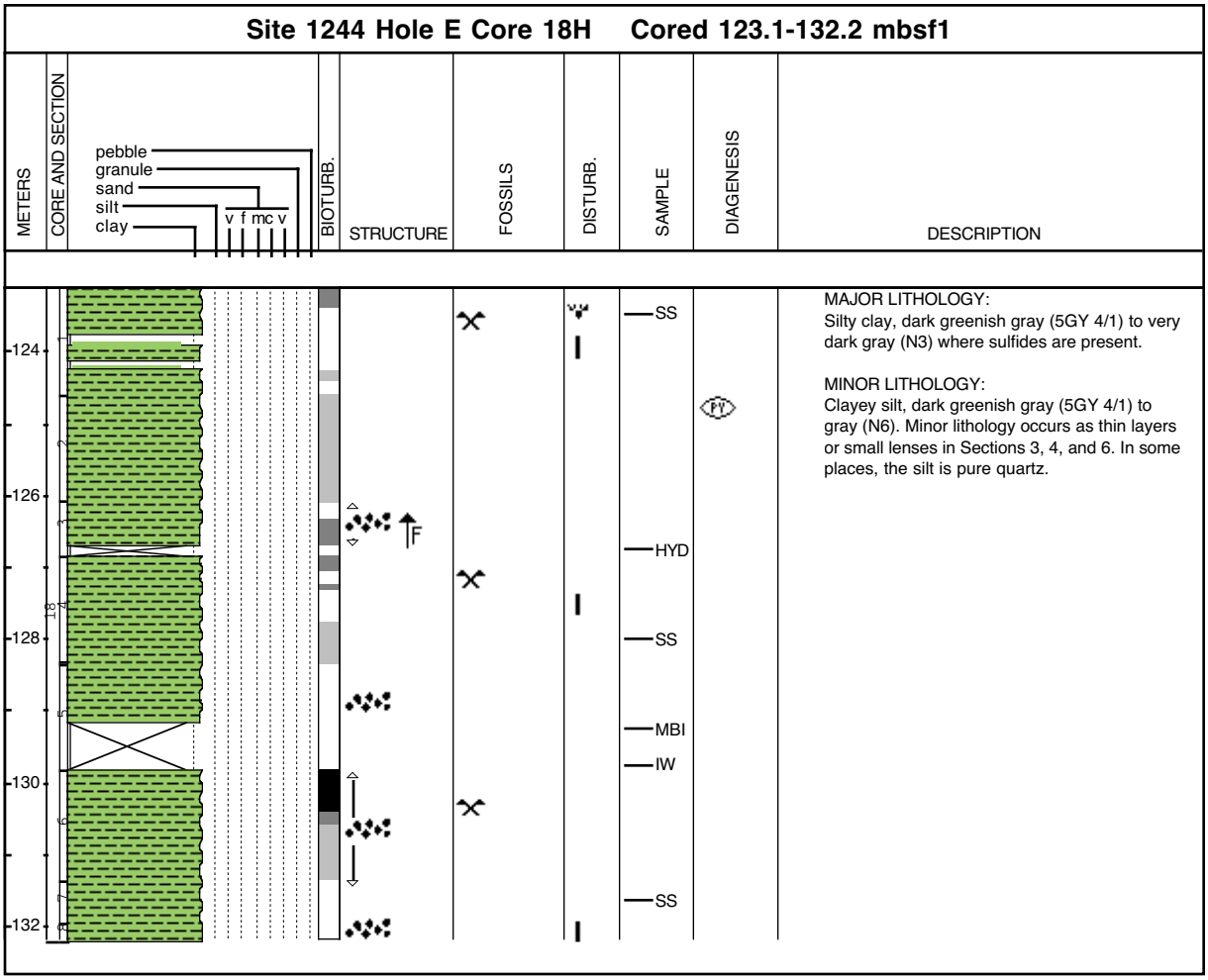
Core Photo


Site 1244 Hole E Core 16H Cored 104.1-113.6 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
106
108
110
112
16
SS
SS
SS
F
F
F
NOTE: CORE EXPLODED IN BARREL AND WAS EXTRUDED INTO A NEW LINER ON THE RIG FLOOR. IT APPEARS WELL PRESERVED BUT COULD BE DISTURBED THROUGHOUT.
MAJOR LITHOLOGY:
Diatom-bearing clay, dark greenish gray (5GY 4/1). Sulfide is present abundantly.
MINOR LITHOLOGY:
Foraminifer-bearing sandy silt, occurring as graded beds with bases at:
Section 3: 89 cm
Section 5: 12 and 39 cm
Section 6: 20 cm

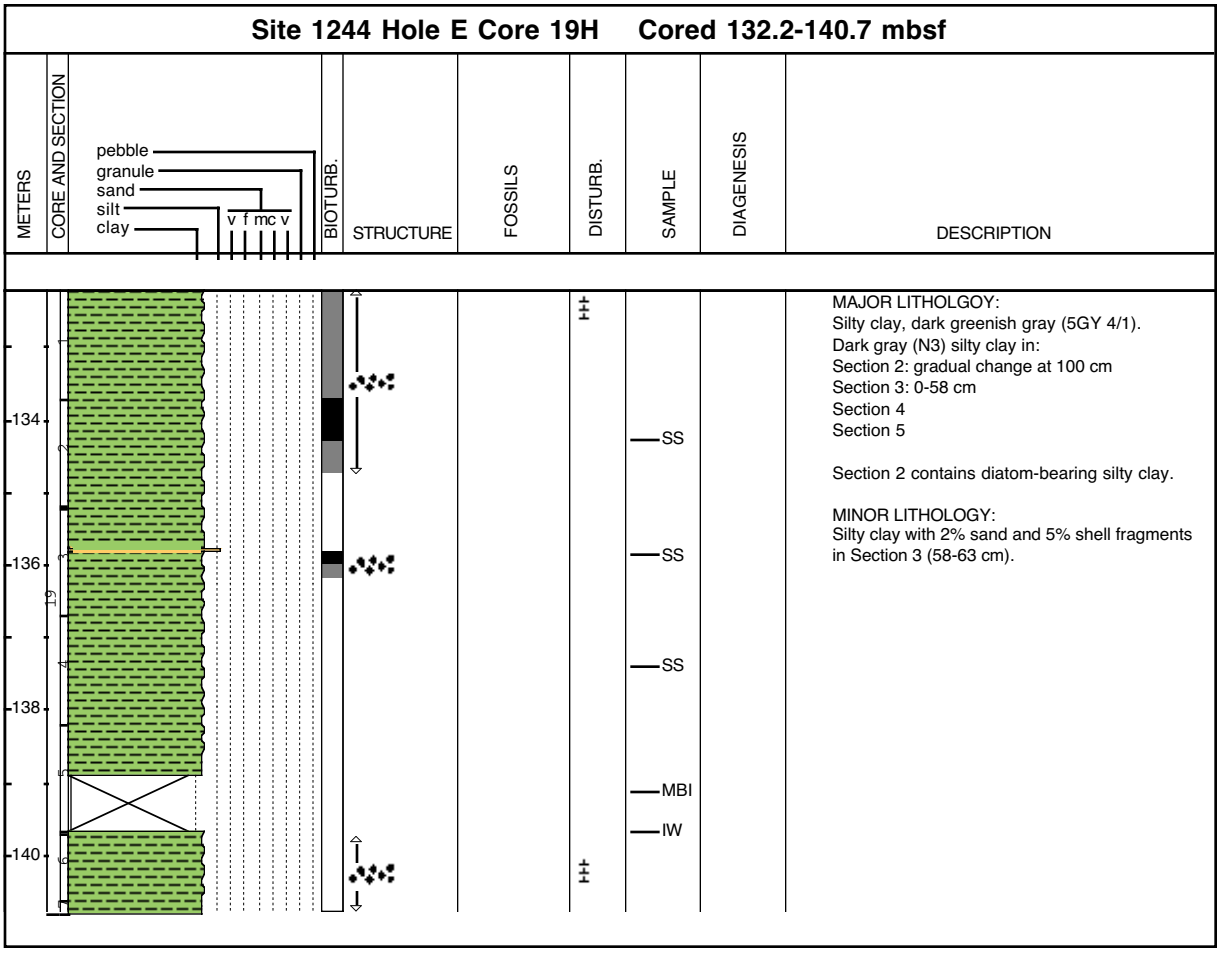
Core Photo


Site 1244 Hole E Core 17H Cored 113.6-123.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
114
116
118
120
122
17
1
2
3
4
5
6
7
F
F
SS
SS
MBI
IW
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), with sulfides and moderate to abundant bioturbation.
MINOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1), with 5% sand as interlayers (1-4 cm) sometimes fining upward in:
Section 1: 22-24 cm
Section 2: 18-19 and 119-123 cm
Section 4: 52-56 and 145-146 cm
Section 6: 20-21 cm

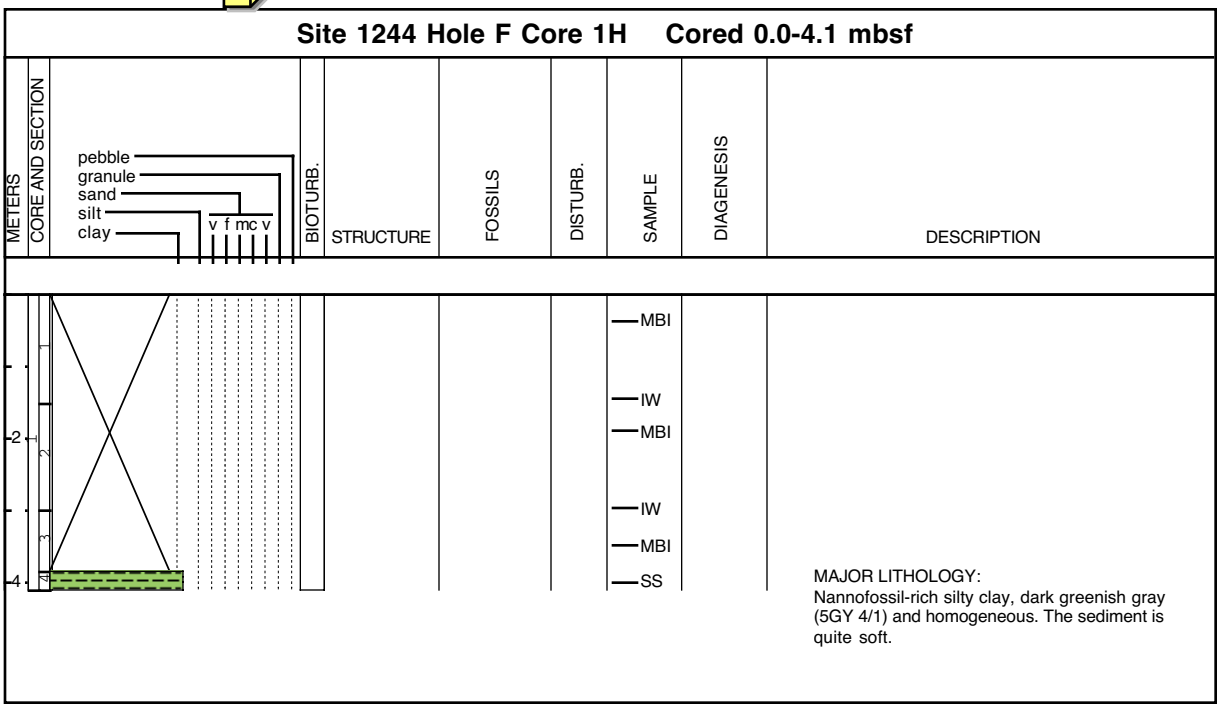
Core Photo


Site 1244 Hole E Core 18H Cored 123.1-132.2 mbsf1
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
124
126
128
130
132
18
1
2
3
4
5
6
7
F
SS
HYD
SS
MBI
IW
SS
PY
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1) to very dark gray (N3) where sulfides are present.
MINOR LITHOLOGY:
Clayey silt, dark greenish gray (5GY 4/1) to gray (N6). Minor lithology occurs as thin layers or small lenses in Sections 3, 4, and 6. In some places, the silt is pure quartz.

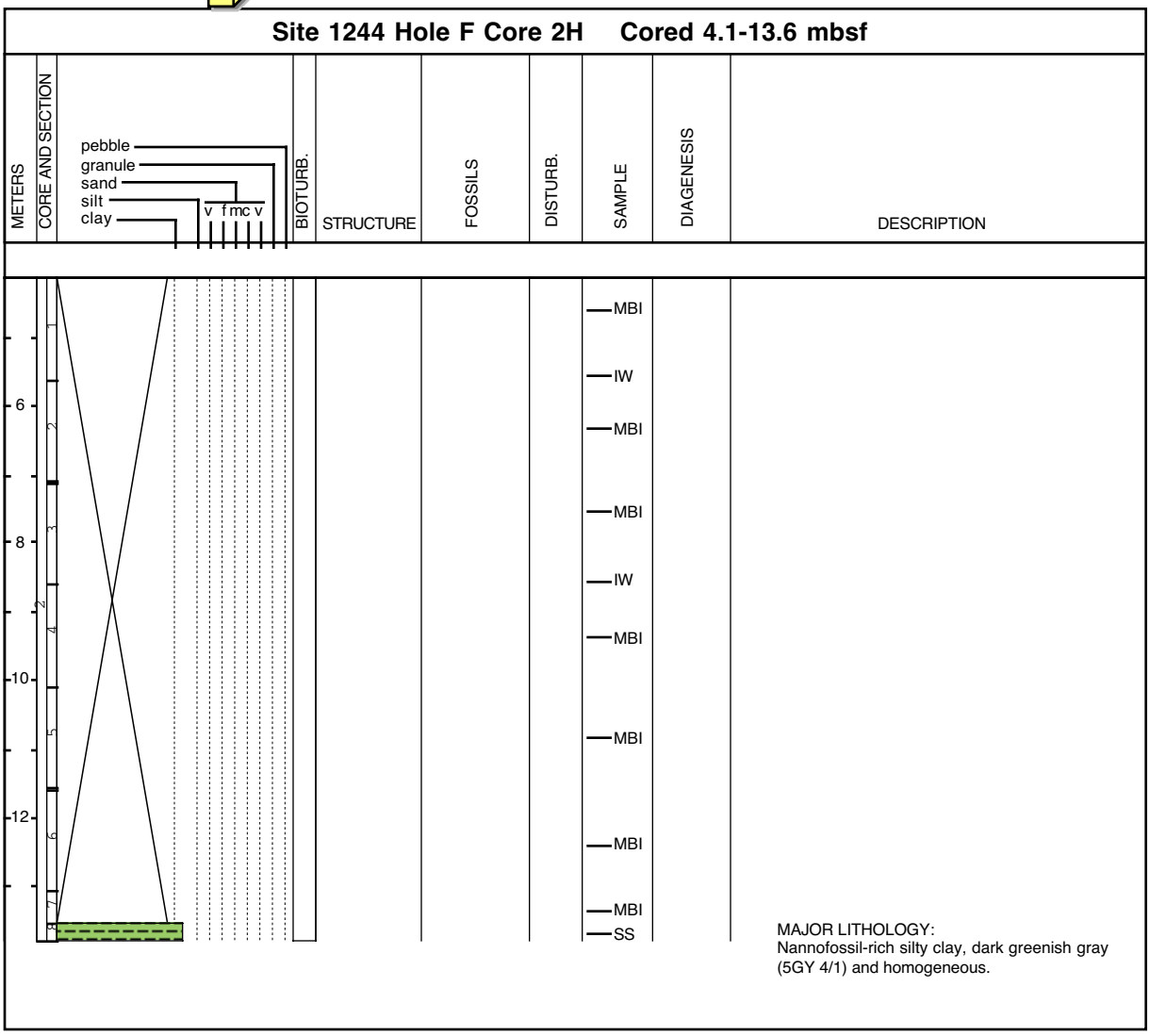
Core Photo


Site 1244 Hole E Core 19H Cored 132.2-140.7 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
134
136
138
140
19
1
2
3
4
5
6
SS
SS
SS
MBI
IW
MAJOR LITHOLGOY:
Silty clay, dark greenish gray (5GY 4/1).
Dark gray (N3) silty clay in:
Section 2: gradual change at 100 cm
Section 3: 0-58 cm
Section 4
Section 5
Section 2 contains diatom-bearing silty clay.
MINOR LITHOLOGY:
Silty clay with 2% sand and 5% shell fragments in Section 3 (58-63 cm).

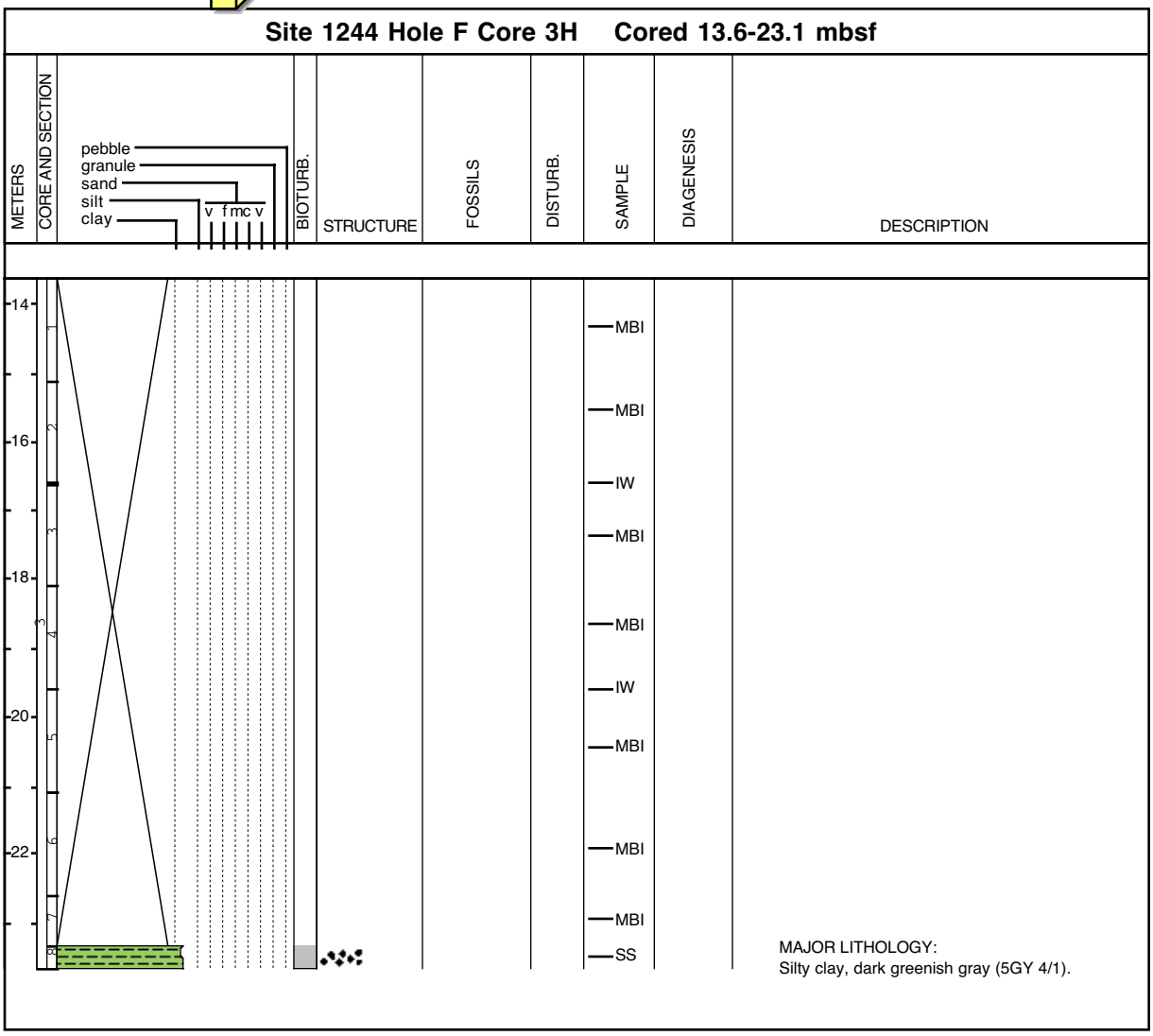
Core Photo


Site 1244 Hole F Core 1H Cored 0.0-4.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
MBI
IW
MBI
IW
MBI
SS
2
4
MAJOR LITHOLOGY:
Nannofossil-rich silty clay, dark greenish gray (5GY 4/1) and homogeneous. The sediment is quite soft.

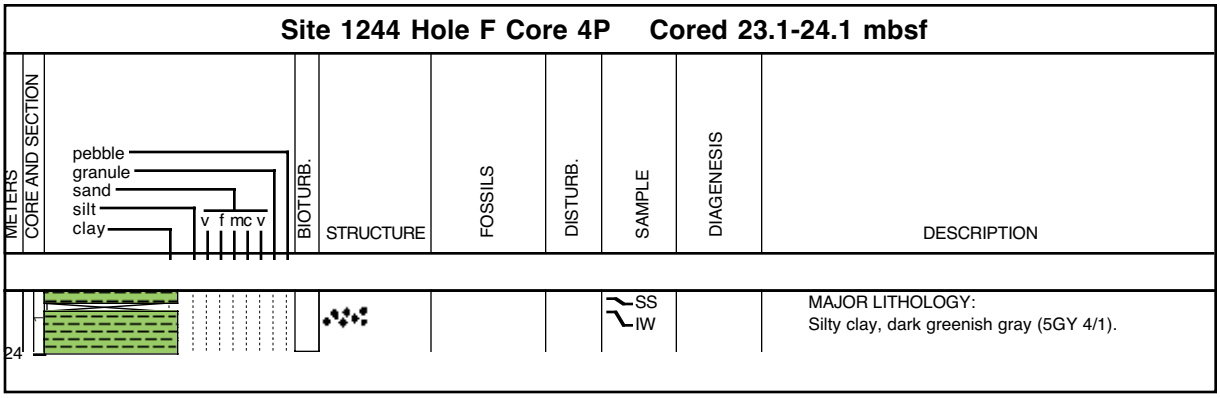
Core Photo


Site 1244 Hole F Core 2H Cored 4.1-13.6 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
6
8
10
12
MBI
IW
MBI
MBI
IW
MBI
MBI
MBI
MBI
SS
MAJOR LITHOLOGY:
Nannofossil-rich silty clay, dark greenish gray (5GY 4/1) and homogeneous.

Core Photo


Site 1244 Hole F Core 3H Cored 13.6-23.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
14
16
18
20
22
MBI
MBI
IW
MBI
MBI
IW
MBI
MBI
MBI
SS
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1).

Core Photo


Site 1244 Hole F Core 4P Cored 23.1-24.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
SS
IW
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1).
24

Sample						Texture			Mineral													Biogenic								
Core	Core type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Aragonite, tiny needles	Biotite	Calcite	Carbonate	Feldspar	Glauconite	Micronodules	Muscovite	Opaques	Pyrite	Quartz	Volcanic Glass	Biogenic Opal	Calcareous shell fragments	Diatoms	Foraminifers	Nannofossils	Organic debris	Siliceous spicules & others	Silicoflagellates	Sponge Spicules	Comments
Hole C																														
3	H	6	0	22.50	D		30	70		1	1		10		1	3			5		7		5			1		1	1	trace Zeolite
8	H	5	147	68.99	D	2	60	38		1			7	1	1	4			10	1	1		1			1				rare Amphiboles
8	H	6	58	69.60	D		70	30					10		1	2		1	4	1	3		2			1			1	
9	H	1	69	72.69	D		20	80		1			8			5		1	5	2	9		7			1		1	1	
9	H	2	85	74.35	D		15	85		1	1		1			1		1	1		6		3			1		1	2	
9	H	3	120	76.20	D	1	19	80		1	1		3			2		1	2		8		5			1			3	rare to trace Foraminifers and nannofossils
9	H	4	50	77.00	D		30	70			1		2			1		1	2		8	2	4		2	1		1	3	
9	H	5	30	78.30	D		20	80		1			3		1	1			1		6		3			1		1	2	
9	H	6	143	80.93	D	30	20	50		5			8	3		5			20		2	2	1		2				1	
9	H	7	9	81.09	D	50	20	30		3	10		15	8		5			30		1	1	1		1					trace Amphiboles, Zircon
9	H	7	10	81.10	D		5	95			20										2	5	1		5			1	trace volcanic glass
9	H	7	22	81.22	D		30	70					3			2		1	3		11		5			1		1	5	
10	H	5	56	87.59	D		20	80		1	5		3			1		1	5		5	3	3		3	1			2	
11	H	6	32	98.05	D		10	90			3		1			1			2		3	1	2		1				1	trace Foraminifers and volcanic glass
12	H	1	2.5	100.53	D		30	70		3	2		5			3		1	12		5	1	3		1	1		1	1	trace Foraminifers
13	H	4	55	115.05	D	2	48	50		2			5	3	1	3			10		6	3	4	2	1	1		1	1	trace volcanic glass
13	H	4	111	115.61	D		10	90		1	5		1	1		1			5		6	3	3	1	2	1		1	2	trace Radiolaria
13	H	4	57.5	115.07	D		30	70		1	5		1			2			8		9	4	5	3	1	1		1	3	
16	P	1	37	130.87	D		10	90		1	3		1			2			8		4		3						1	
20	X	1	70	149.90	D		5	95			2		1						1		1		1							
21	X	1	19	158.99	D		8	92		1			1			1			6											trace Diatom, Amphiboles
21	X	1	52	159.32	D		20	80		1			1			1			8		1		1			1				
21	X	1	17	158.97	D		5	95		1			1			1			2			1			1					Absent Diatom?
21	X	3	27	162.07	D	5	30	65		2			3			2			6		7		6			1			1	
22	X	1	56.5	168.87	D	1	15	84		1			2			1			12							1				Absent Diatom? one Discoaster
22	X	2	52	170.32	D		20	80		1			3			2			6		2		1						1	
22	X	5	52	174.82	D		10	90		1	1		1	1		1			5		4		3			1			1	
23	X	1	113	179.03	D		20	80		1			1			2			4	1	3		1					1	1	
23	X	4	143	183.83	D		40	60		1			3			3			10		6		4			2			2	
23	X	4	52	182.92	D		40	60		1			1	1		1			2	2	3		2			2			1	
23	X	CC	10	187.11	D		30	70		1			2	1		4		1	5		6		4			2			2	trace nannofossils
24	X	5	48.5	193.59	D	2	28	70		1	2		4			2		1	8	1	6	1	5		1	1			1	
24	X	6	6	194.66	D		30	70					5			4		1	10	1	2		2			1				
26	X	2	66	208.26	D		15	85					1			1			5	2	3		2			1			1	trace nannofossils, Palagonite, Phillipsite
27	X	1	67	216.47	D		30	70		1	5		1	2		2		1	5	1	5	2	4		2	1			1	trace Clinoptilolite
27	X	1	8	215.88	D	10	50	40											3	50	1	5	1		5	1				
27	X	1	60	216.40	D	10	80	10		1									4	10	2		1			1			1	trace nannofossils
28	X	5	67	232.07	D	10	40	50		2	2		3	2		2		1	10		6	1	5		1	2			1	
29	X	6	66	242.42	D		30	70		1	3		5	3		2		1	10	1	5	2	4	1	1	2			1	
29	X	CC	78	244.46	D		30	70		2	5		5			1		1	5		4	3	3	2	1	2			1	
31	X	1	81	255.11	D		15	85	10	1			2			2		1	4		9		8			1			1	
32	X	1	44	264.44	D		10	90	25	1			1			1		1	5		4		3			1			1	
32	X	1	104	265.04	D	5	80	15	8	1			3	2		2			10	2										Absent Diatoms
33	X	CC	7	282.90	D		20	80	10	1	5		2	1		1		1	2		3	1	2		1				1	
34	X	1	55	283.85	D		25	75	10		1		1	1				1	2	1	1		1			1				Trace nannofossils
35	X	4	19	297.72	D		60	40	15				1						1		1		1			1				
35	X	5	70	299.73	D		30	70		1			1	1		1			1		4	1	3	1		1			1	

Sample						Texture			Mineral														Biogenic								
Core	Core type	Section	Top Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Aragonite, tiny needles	Biotite	Calcite	Carbonate	Feldspar	Glauconite	Micronodules	Muscovite	Opaques	Pyrite	Quartz	Volcanic Glass	Biogenic Opal	Calcareous shell fragments	Diatoms	Foraminifers	Nannofossils	Organic debris	Siliceous spicules & others	Silicoflagellates	Sponge Spicules	Comments
Hole C (continued)																															
35	X	5	8	299.11	D	5	30	65		2				3					1		9		8			1			1	
35	X	5	16	299.19	D		70	30	20				1						1		1		1							
35	X	CC	38	302.55	D	10	35	55		2			10	2	1	2		1	12		1		1			2				
36	X	6	26	310.36	D		40	60			2		4			2			5		4	2	4	1	1	1				
Hole E																															
1	H	1	7	0.07	M	10	50	40					5	10			10		10			10	3	3						
1	H	1	22	0.22	M	5	60	35						2			10		10			20	5	10	10					
1	H	2	96	2.46	D		40	60									10		3			10	5	5			6			
1	H	4	18	4.68	M		25	75									2		5			20			20					
2	H	1	60	9.30	D		30	70				5					10						3	5	7					
2	H	4	40	13.60	M		25	75									5		5				2	5	5					
2	H	CC	18	18.54	D		30	70									20		5				3							
4	H	4	57	25.27	M	1	30	69									2		20				3							
4	H	6	63	28.33	D		30	70									3		20				3				1			
4	H	7	45	29.65	M		10	90				80					3		2								1			
5	H	1	65	30.35	D		35	65					2				7		5				5				2			
5	H	4	42	34.57	D		35	65				3							10				2				2			
5	H	6	78	37.93	M		25	75				7	3						5					1						
6	P	1	55	39.75	D		30	70						1			2		20								1			
7	H	1	64	41.84	D		25	75					1				3		10			1	3							
7	H	6	95	49.65	D		30	70									1		15				3							
9	H	1	50	53.10	D		20	80								1	1		20				3							
9	H	4	50	57.60	D		15	85		1							2		25				3							
9	H	6	45	60.11	D		25	75									2		20				5				4			
10	H	1	85	62.95	D		20	80						2			3		10				3							
10	H	6	53	70.13	M		20	80					3				5		4				3							
11	P	1	66	72.26	D		25	75									1		10				2				2			
12	H	2	75	74.95	D		10	90									5		5				5				3			
12	H	4	42	77.62	M		20	80					8			3			2											
12	H	6	78	80.98	D		5	95											2				4				1			
13	H	1	51	83.61	M	50	40	10		3			5	3					10			5		4						
13	H	3	69	86.09	D		20	80		2							3		5				3							
14	H	1	55	93.15	D		40	60				2					5		5				3				1			
14	H	1	80	93.40	M	10	50	40									6		15	1			2				1			
14	H	4	33	96.95	M	30	60	10					10	5			20		60											
14	H	5	2	98.14	M	20	70	10					20	5			15		60											
16	H	2	80	106.37	M		20	80									1		5				6	1			3			
16	H	3	88	107.95	M	20	80												10				3	12						
16	H	7	40	112.57	D		5	95									3		10				2	1						
17	H	1	66	114.26	D		25	75									3		2			5	3	2	3					
17	H	1	23	113.83	M	5	30	65						1			2		2			20	4	2	2		1			
17	H	7	44	123.04	D		20	80									2		3			1	3		3					
18	H	4	111	127.96	M	10	60	30					20	5			10		60				3							
18	H	7	28	131.63	D		25	75					3				6		7				5				2			
19	H	2	55	134.25	D		25	75									2		2				5	1	2					
19	H	3	63	135.83	M	2	30	68					1	1			5		3				2	1			1			
19	H	4	66	137.36	D		25	75									1		2				2		1		1			