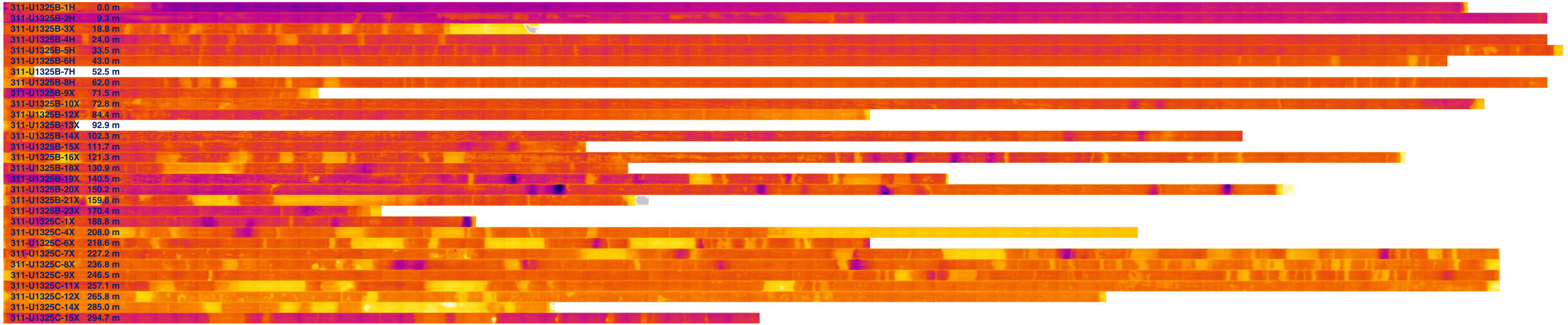
Expedition 311 Site U1325 composite infrared image

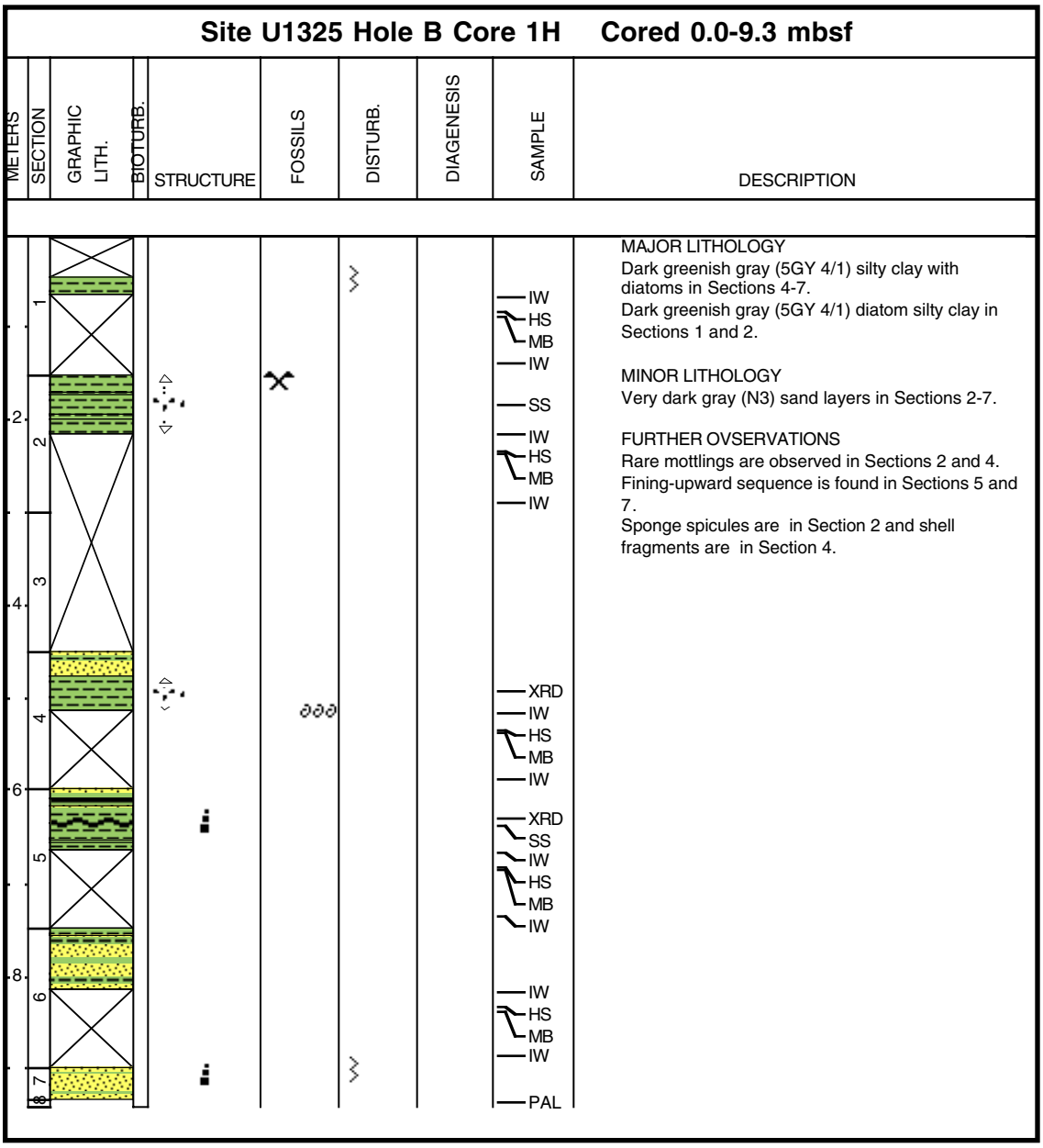
Select the core name to view its individual infrared image.

4° Temperature scale (°C) 15°

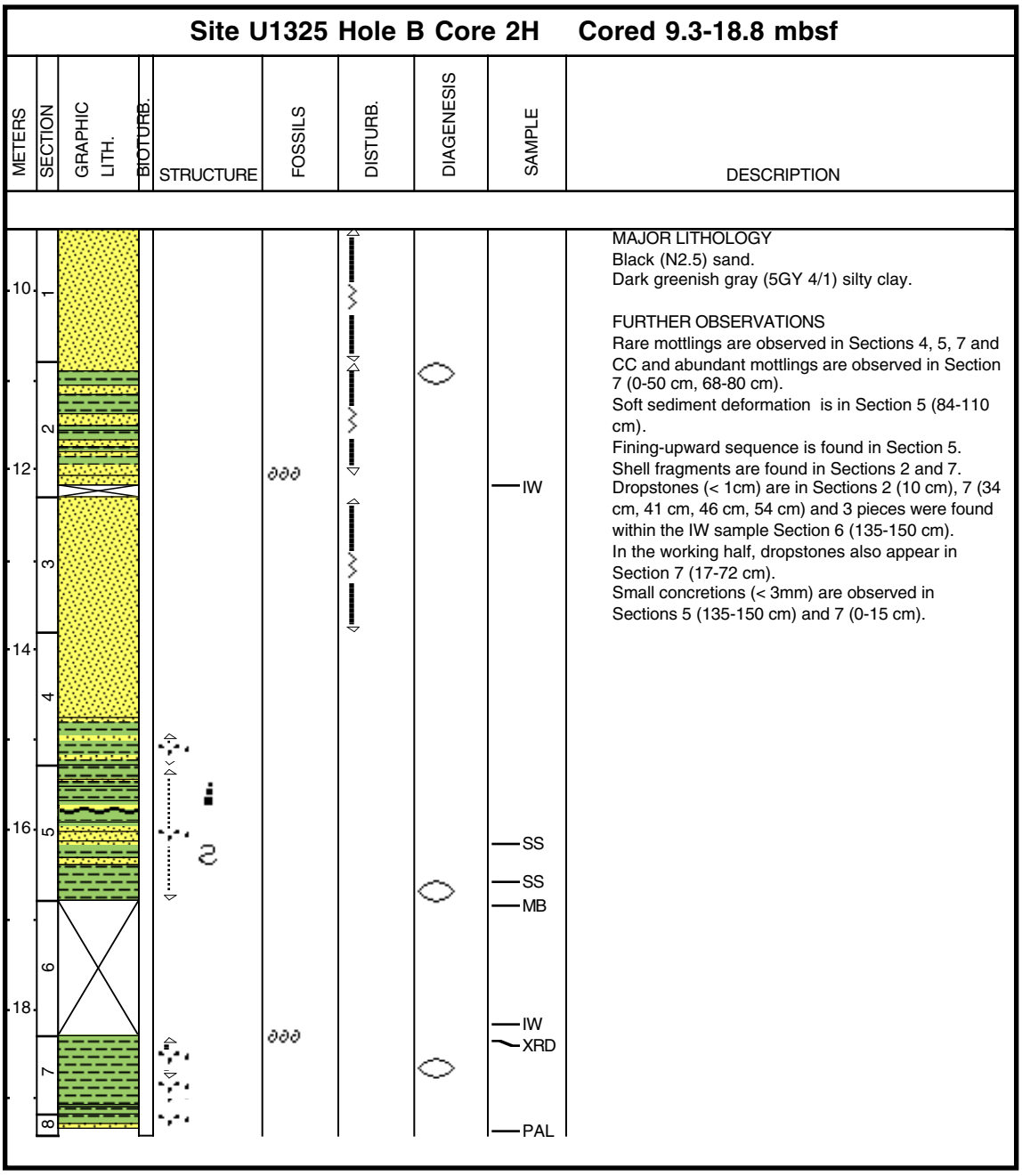
Core	Top depth
311-U1325B-1H	0.0 m
311-U1325B-2H	9.3 m
311-U1325B-3X	18.8 m
311-U1325B-4H	24.0 m
311-U1325B-5H	33.5 m
311-U1325B-6H	43.0 m
311-U1325B-7H	52.5 m
311-U1325B-8H	62.0 m
311-U1325B-9X	71.5 m
311-U1325B-10X	72.8 m
311-U1325B-12X	84.4 m
311-U1325B-13X	92.9 m
311-U1325B-14X	102.3 m
311-U1325B-15X	111.7 m
311-U1325B-16X	121.3 m
311-U1325B-18X	130.9 m
311-U1325B-19X	140.5 m
311-U1325B-20X	150.2 m
311-U1325B-21X	159.8 m
311-U1325B-23X	170.4 m
311-U1325C-1X	188.8 m
311-U1325C-4X	208.0 m
311-U1325C-6X	218.6 m
311-U1325C-7X	227.2 m
311-U1325C-8X	236.8 m
311-U1325C-9X	246.5 m
311-U1325C-11X	257.1 m
311-U1325C-12X	265.8 m
311-U1325C-14X	285.0 m
311-U1325C-15X	294.7 m



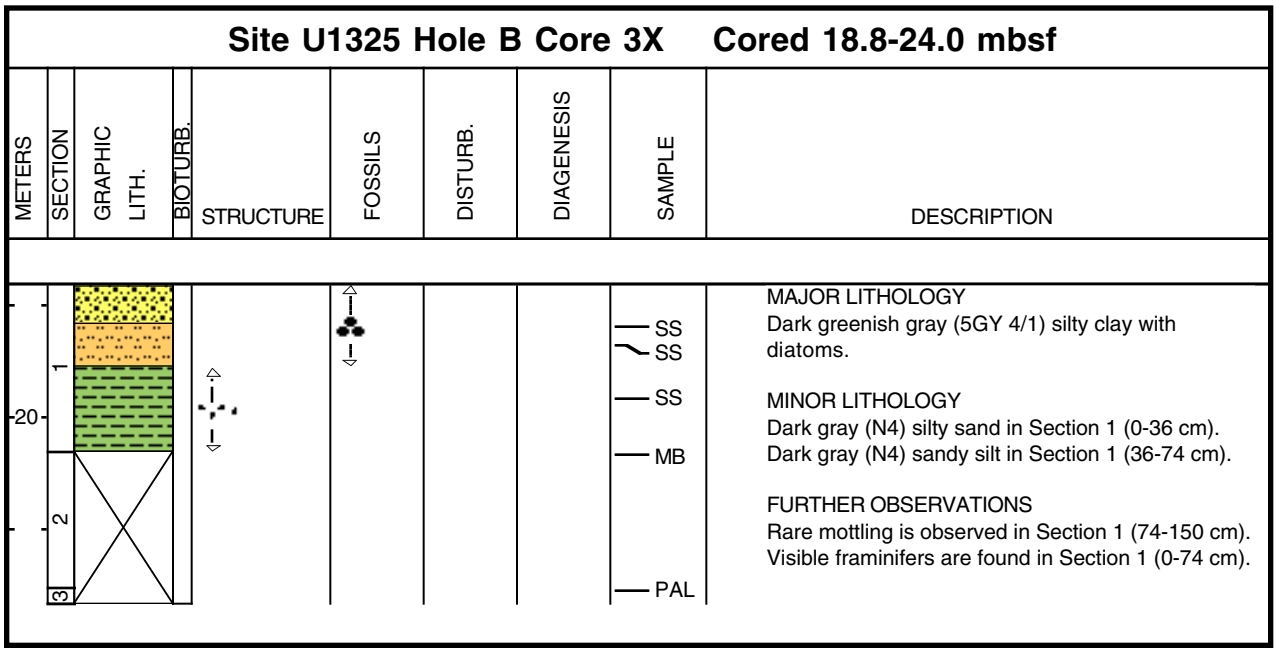
Core Photo


Site U1325 Hole B Core 1H Cored 0.0-9.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
IW
HS
MB
IW
SS
IW
HS
MB
IW
XRD
IW
HS
MB
IW
XRD
SS
IW
HS
MB
IW
IW
HS
MB
IW
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay with diatoms in Sections 4-7.
Dark greenish gray (5GY 4/1) diatom silty clay in Sections 1 and 2.
MINOR LITHOLOGY
Very dark gray (N3) sand layers in Sections 2-7.
FURTHER OVSERVATIONS
Rare mottlings are observed in Sections 2 and 4.
Fining-upward sequence is found in Sections 5 and 7.
Sponge spicules are in Section 2 and shell fragments are in Section 4.

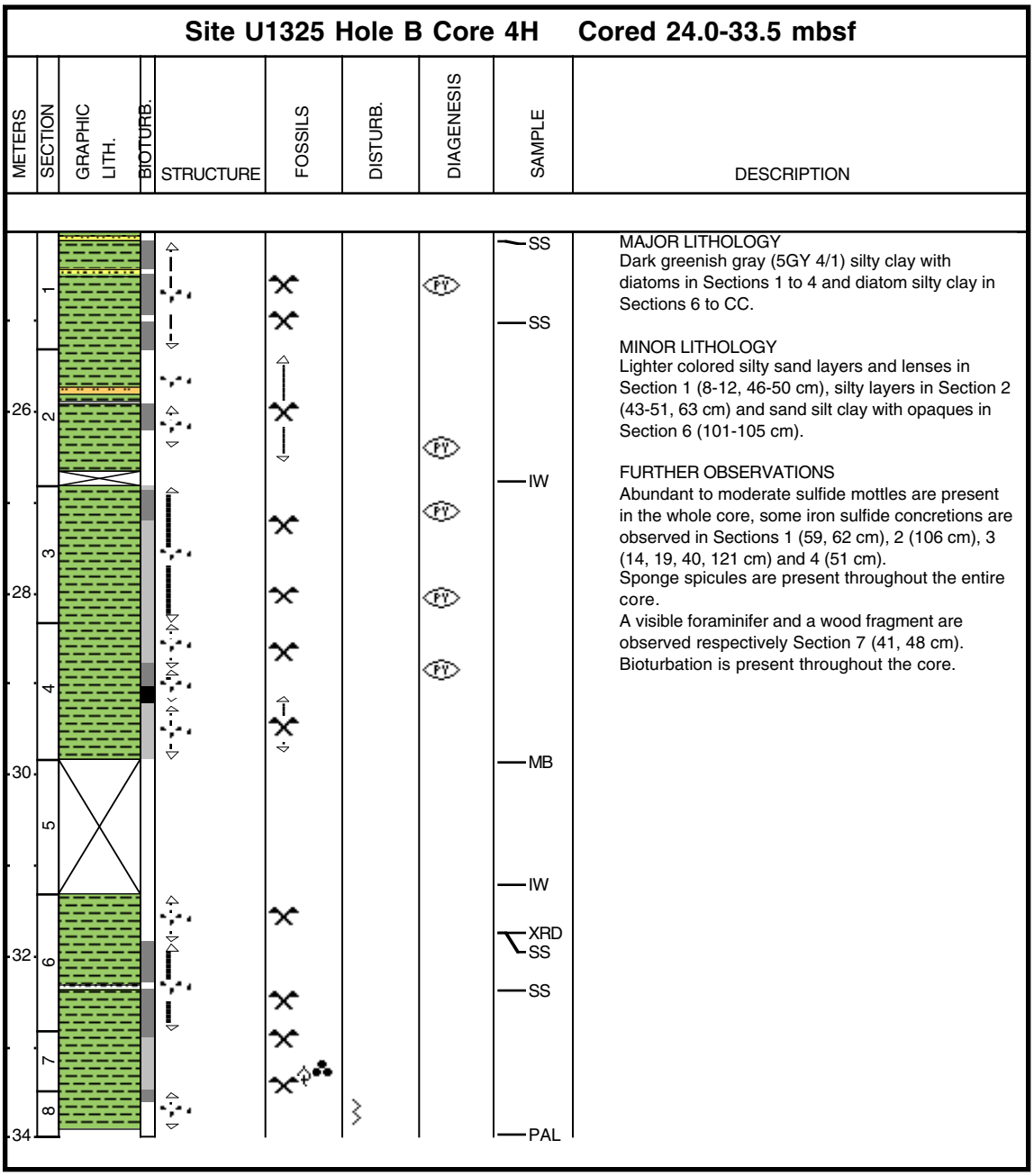
Core Photo


Site U1325 Hole B Core 2H Cored 9.3-18.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
10
12
14
16
18
1
2
3
4
5
6
7
8
IW
SS
SS
MB
IW
XRD
PAL
MAJOR LITHOLOGY
Black (N2.5) sand.
Dark greenish gray (5GY 4/1) silty clay.
FURTHER OBSERVATIONS
Rare mottlings are observed in Sections 4, 5, 7 and CC and abundant mottlings are observed in Section 7 (0-50 cm, 68-80 cm).
Soft sediment deformation is in Section 5 (84-110 cm).
Fining-upward sequence is found in Section 5.
Shell fragments are found in Sections 2 and 7.
Dropstones (< 1cm) are in Sections 2 (10 cm), 7 (34 cm, 41 cm, 46 cm, 54 cm) and 3 pieces were found within the IW sample Section 6 (135-150 cm).
In the working half, dropstones also appear in Section 7 (17-72 cm).
Small concretions (< 3mm) are observed in Sections 5 (135-150 cm) and 7 (0-15 cm).

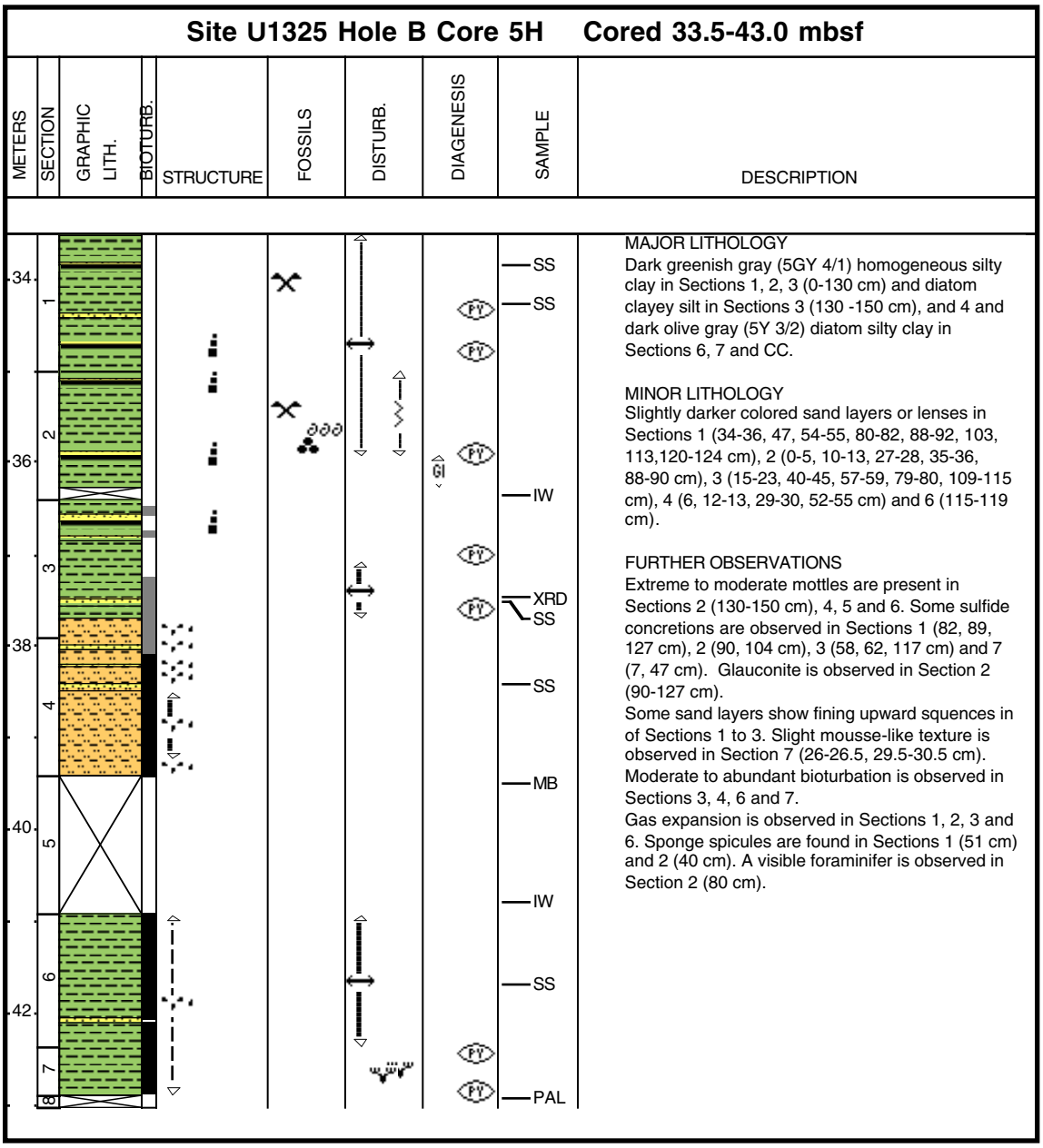
Core Photo


Site U1325 Hole B Core 3X Cored 18.8-24.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
20
1
2
3
SS
SS
SS
MB
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay with diatoms.
MINOR LITHOLOGY
Dark gray (N4) silty sand in Section 1 (0-36 cm).
Dark gray (N4) sandy silt in Section 1 (36-74 cm).
FURTHER OBSERVATIONS
Rare mottling is observed in Section 1 (74-150 cm).
Visible framinifers are found in Section 1 (0-74 cm).

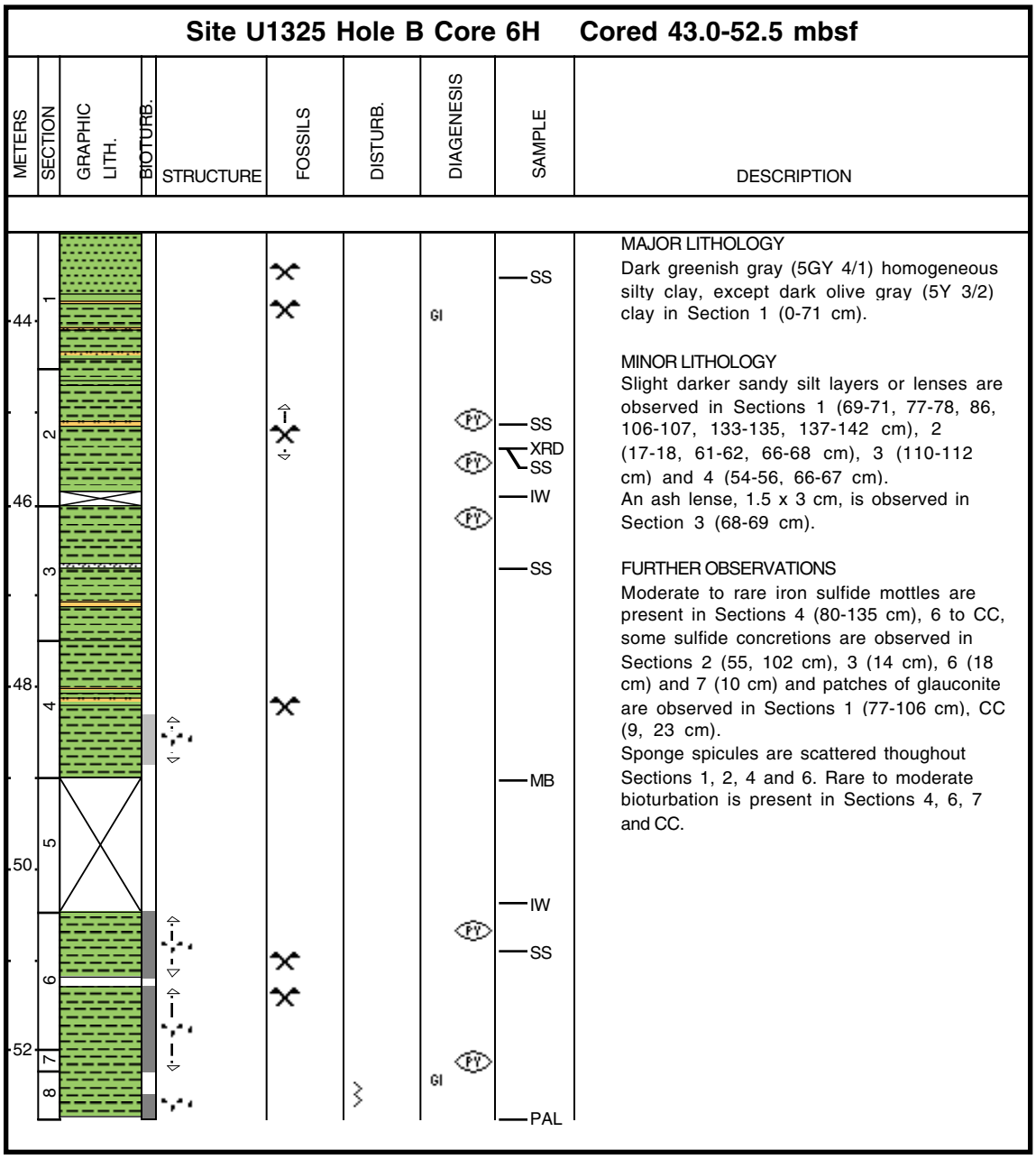
Core Photo


Site U1325 Hole B Core 4H Cored 24.0-33.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
26
28
30
32
34
1
2
3
4
5
6
7
8
SS
SS
IW
MB
IW
XRD
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay with diatoms in Sections 1 to 4 and diatom silty clay in Sections 6 to CC.
MINOR LITHOLOGY
Lighter colored silty sand layers and lenses in Section 1 (8-12, 46-50 cm), silty layers in Section 2 (43-51, 63 cm) and sand silt clay with opaques in Section 6 (101-105 cm).
FURTHER OBSERVATIONS
Abundant to moderate sulfide mottles are present in the whole core, some iron sulfide concretions are observed in Sections 1 (59, 62 cm), 2 (106 cm), 3 (14, 19, 40, 121 cm) and 4 (51 cm).
Sponge spicules are present throughout the entire core.
A visible foraminifer and a wood fragment are observed respectively Section 7 (41, 48 cm).
Bioturbation is present throughout the core.

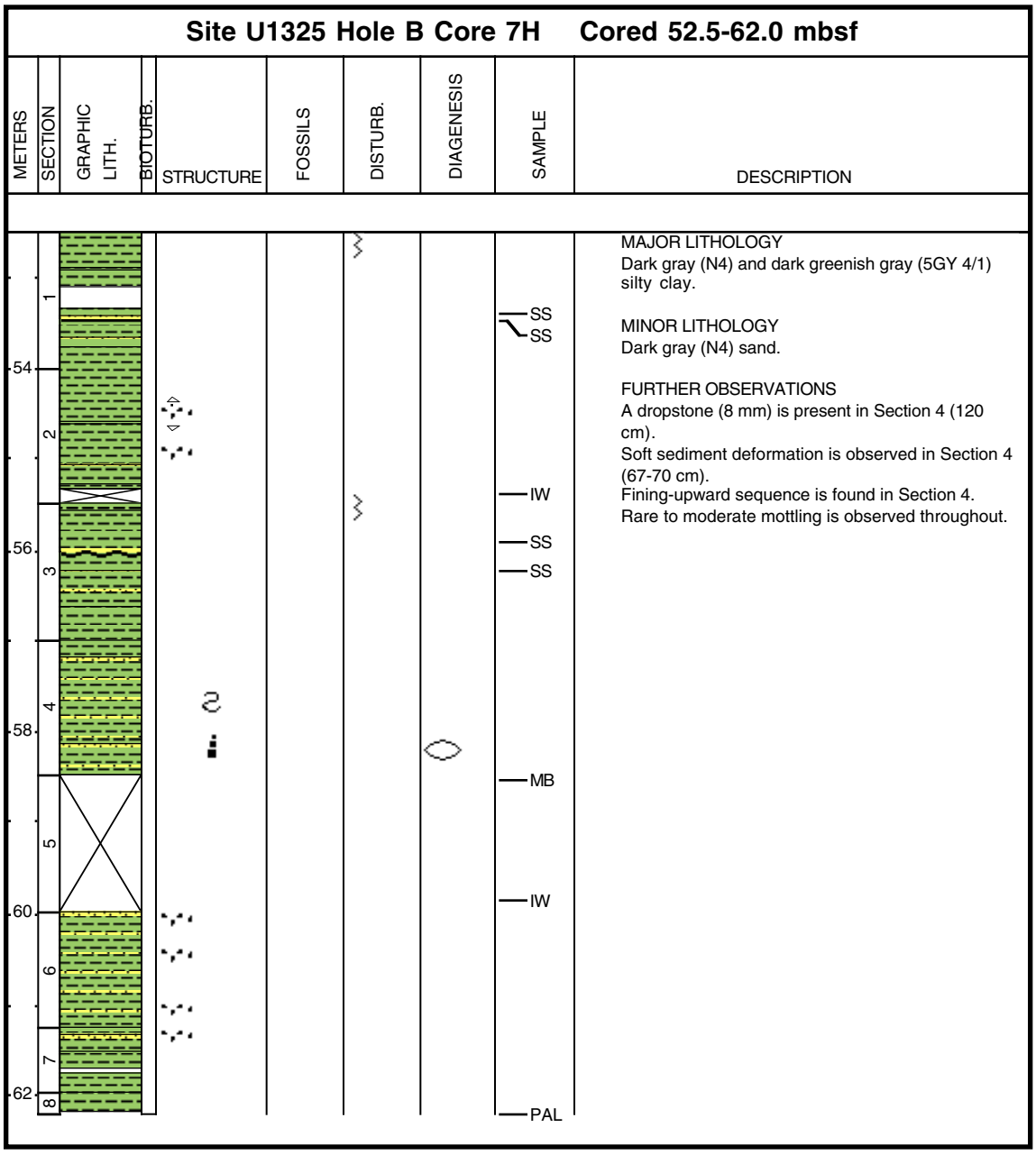
Core Photo


Site U1325 Hole B Core 5H Cored 33.5-43.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
34
36
38
40
42
1
2
3
4
5
6
7
8
SS
SS
PY
PY
PY
GI
IW
PY
XRD
SS
SS
MB
IW
SS
PY
PY
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay in Sections 1, 2, 3 (0-130 cm) and diatom clayey silt in Sections 3 (130 -150 cm), and 4 and dark olive gray (5Y 3/2) diatom silty clay in Sections 6, 7 and CC.
MINOR LITHOLOGY
Slightly darker colored sand layers or lenses in Sections 1 (34-36, 47, 54-55, 80-82, 88-92, 103, 113,120-124 cm), 2 (0-5, 10-13, 27-28, 35-36, 88-90 cm), 3 (15-23, 40-45, 57-59, 79-80, 109-115 cm), 4 (6, 12-13, 29-30, 52-55 cm) and 6 (115-119 cm).
FURTHER OBSERVATIONS
Extreme to moderate mottles are present in Sections 2 (130-150 cm), 4, 5 and 6. Some sulfide concretions are observed in Sections 1 (82, 89, 127 cm), 2 (90, 104 cm), 3 (58, 62, 117 cm) and 7 (7, 47 cm). Glauconite is observed in Section 2 (90-127 cm).
Some sand layers show fining upward squences in of Sections 1 to 3. Slight mousse-like texture is observed in Section 7 (26-26.5, 29.5-30.5 cm).
Moderate to abundant bioturbation is observed in Sections 3, 4, 6 and 7.
Gas expansion is observed in Sections 1, 2, 3 and 6. Sponge spicules are found in Sections 1 (51 cm) and 2 (40 cm). A visible foraminifer is observed in Section 2 (80 cm).

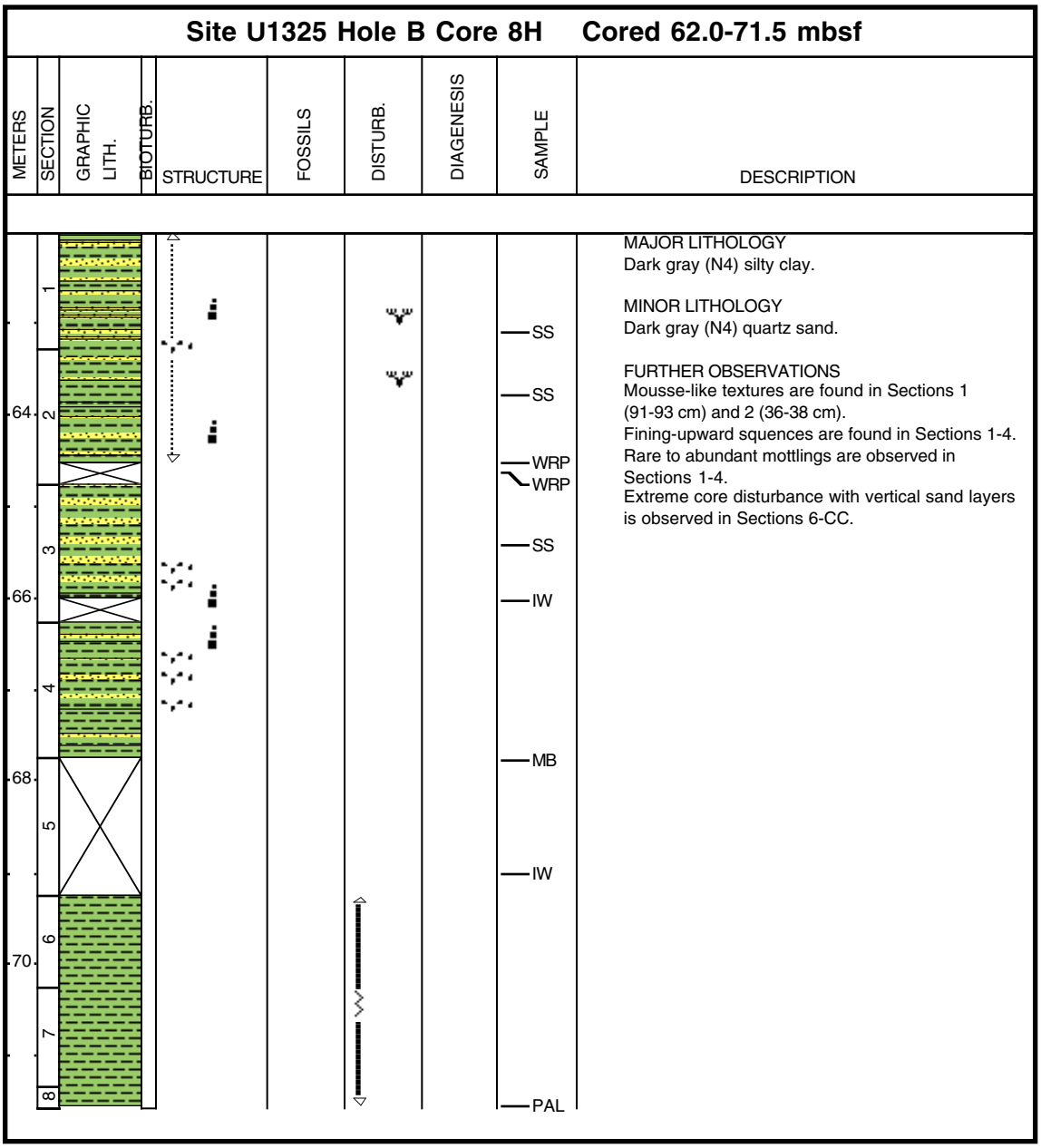
Core Photo


Site U1325 Hole B Core 6H Cored 43.0-52.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
44
46
48
50
52
1
2
3
4
5
6
7
8
GI
PY
SS
XRD
IW
MB
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay, except dark olive gray (5Y 3/2) clay in Section 1 (0-71 cm).
MINOR LITHOLOGY
Slight darker sandy silt layers or lenses are observed in Sections 1 (69-71, 77-78, 86, 106-107, 133-135, 137-142 cm), 2 (17-18, 61-62, 66-68 cm), 3 (110-112 cm) and 4 (54-56, 66-67 cm).
An ash lense, 1.5 x 3 cm, is observed in Section 3 (68-69 cm).
FURTHER OBSERVATIONS
Moderate to rare iron sulfide mottles are present in Sections 4 (80-135 cm), 6 to CC, some sulfide concretions are observed in Sections 2 (55, 102 cm), 3 (14 cm), 6 (18 cm) and 7 (10 cm) and patches of glauconite are observed in Sections 1 (77-106 cm), CC (9, 23 cm).
Sponge spicules are scattered thoughout Sections 1, 2, 4 and 6. Rare to moderate bioturbation is present in Sections 4, 6, 7 and CC.

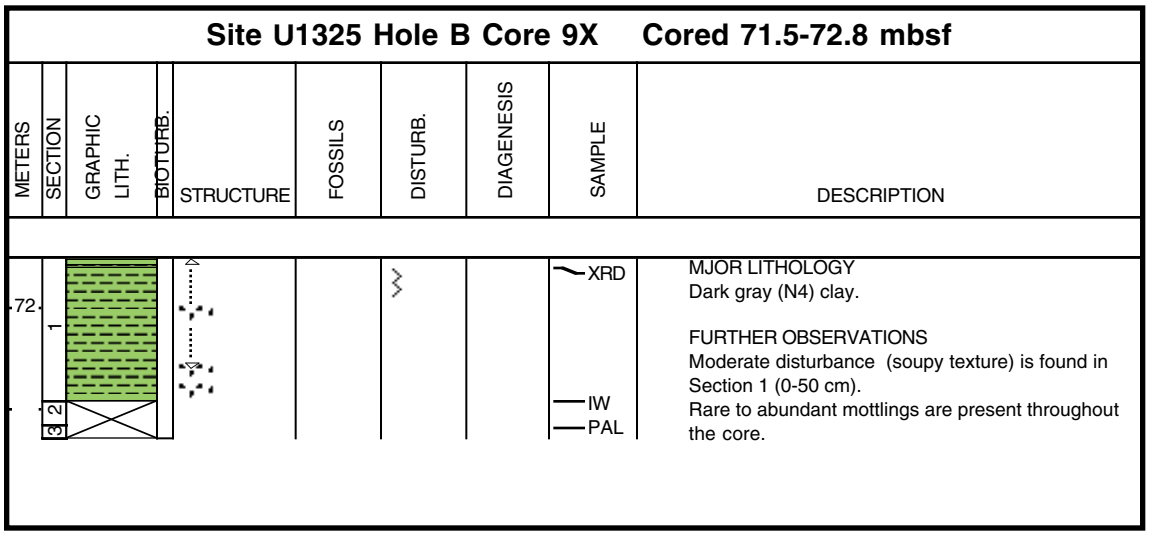
Core Photo


Site U1325 Hole B Core 7H Cored 52.5-62.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
54
56
58
60
62
1
2
3
4
5
6
7
8
SS
SS
IW
SS
SS
MB
IW
PAL
MAJOR LITHOLOGY
Dark gray (N4) and dark greenish gray (5GY 4/1) silty clay.
MINOR LITHOLOGY
Dark gray (N4) sand.
FURTHER OBSERVATIONS
A dropstone (8 mm) is present in Section 4 (120 cm).
Soft sediment deformation is observed in Section 4 (67-70 cm).
Fining-upward sequence is found in Section 4.
Rare to moderate mottling is observed throughout.

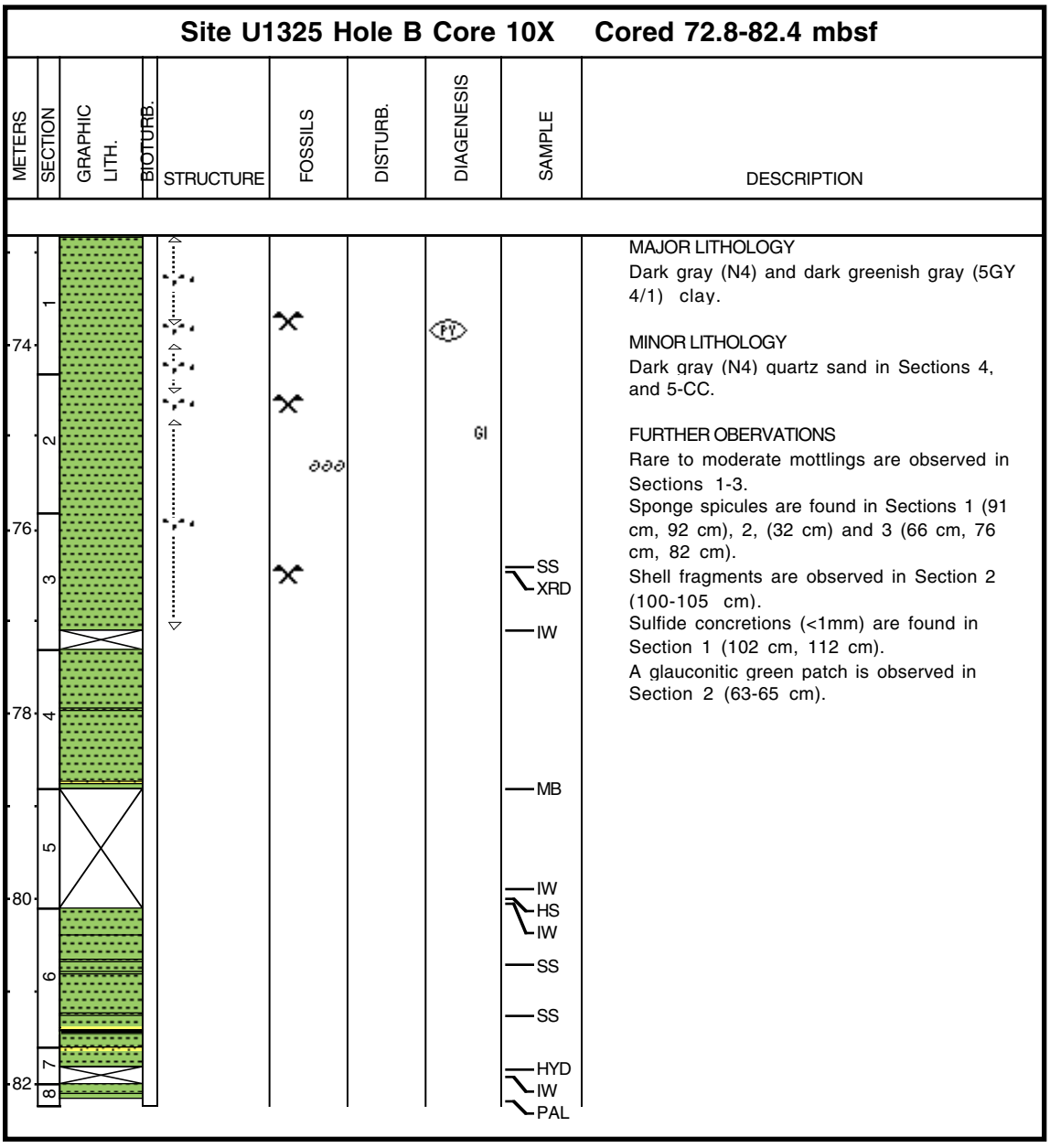
Core Photo


Site U1325 Hole B Core 8H Cored 62.0-71.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
64
66
68
70
1
2
3
4
5
6
7
8
SS
SS
WRP
WRP
SS
IW
MB
IW
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark gray (N4) quartz sand.
FURTHER OBSERVATIONS
Mousse-like textures are found in Sections 1 (91-93 cm) and 2 (36-38 cm).
Fining-upward squences are found in Sections 1-4.
Rare to abundant mottlings are observed in Sections 1-4.
Extreme core disturbance with vertical sand layers is observed in Sections 6-CC.

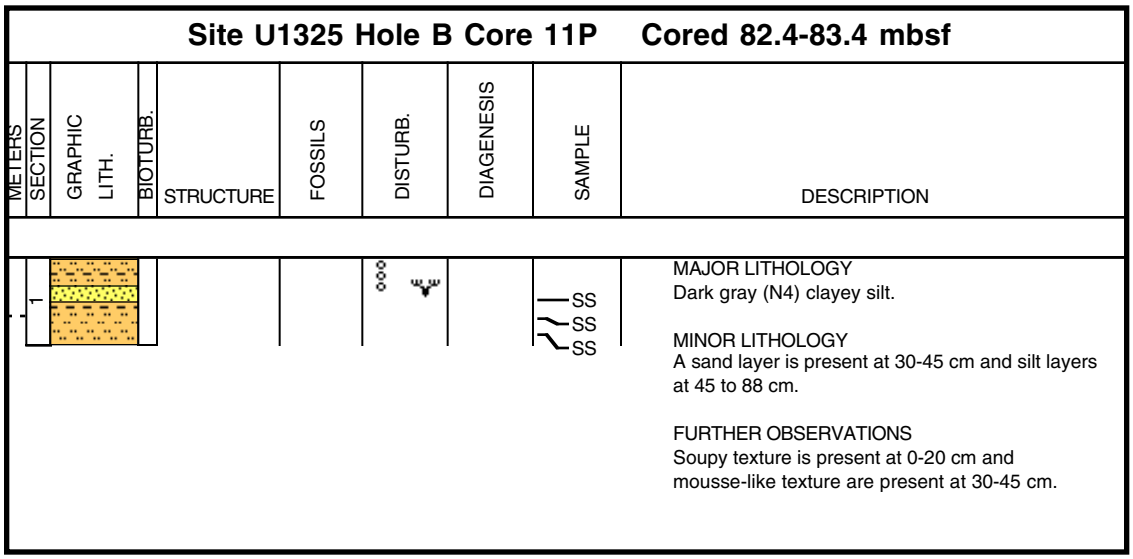
Core Photo


Site U1325 Hole B Core 9X Cored 71.5-72.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
72
1
2
3
XRD
IW
PAL
MJOR LITHOLOGY
Dark gray (N4) clay.
FURTHER OBSERVATIONS
Moderate disturbance (soupy texture) is found in Section 1 (0-50 cm).
Rare to abundant mottlings are present throughout the core.

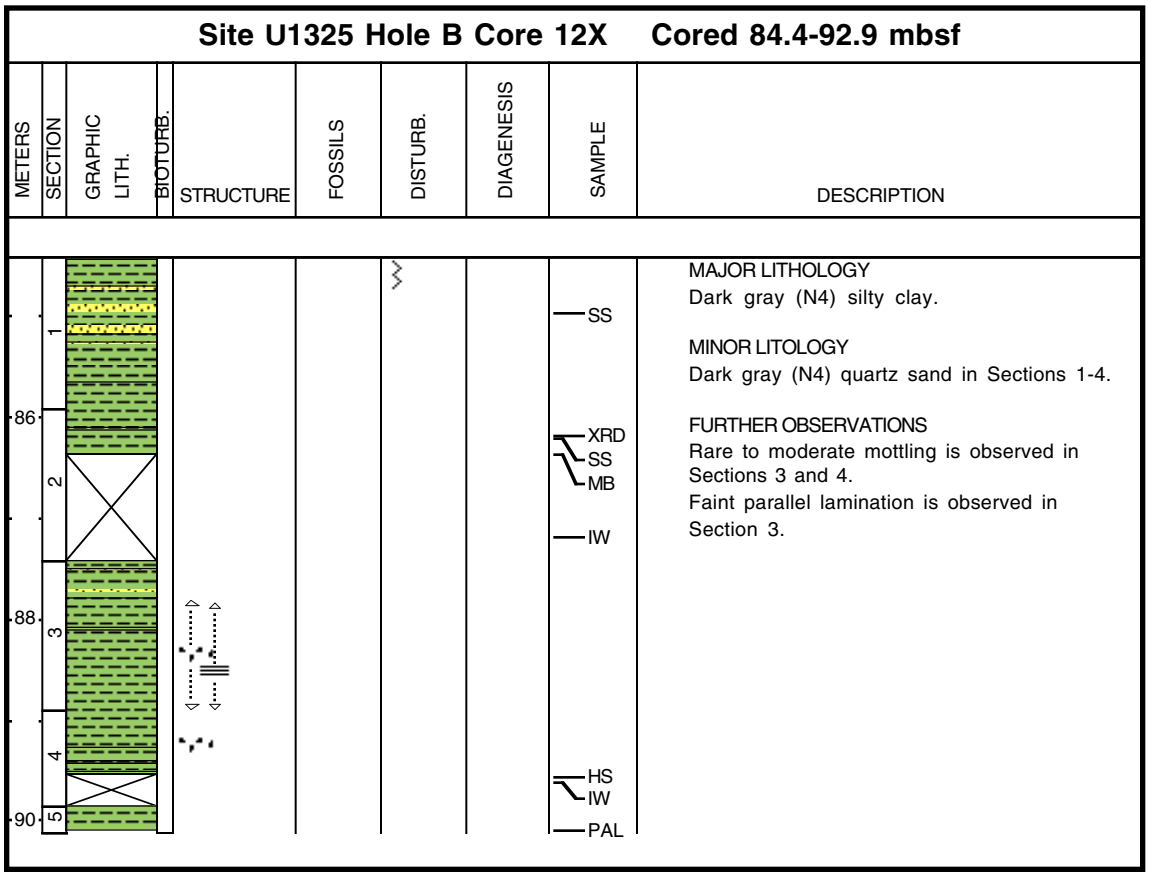
Core Photo


Site U1325 Hole B Core 10X Cored 72.8-82.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
74
76
78
80
82
1
2
3
4
5
6
7
8
PY
GI
SS
XRD
IW
MB
IW
HS
IW
SS
SS
HYD
IW
PAL
MAJOR LITHOLOGY
Dark gray (N4) and dark greenish gray (5GY 4/1) clay.
MINOR LITHOLOGY
Dark gray (N4) quartz sand in Sections 4, and 5-CC.
FURTHER OBERVATIONS
Rare to moderate mottlings are observed in Sections 1-3.
Sponge spicules are found in Sections 1 (91 cm, 92 cm), 2, (32 cm) and 3 (66 cm, 76 cm, 82 cm).
Shell fragments are observed in Section 2 (100-105 cm).
Sulfide concretions (<1mm) are found in Section 1 (102 cm, 112 cm).
A glauconitic green patch is observed in Section 2 (63-65 cm).

Core Photo

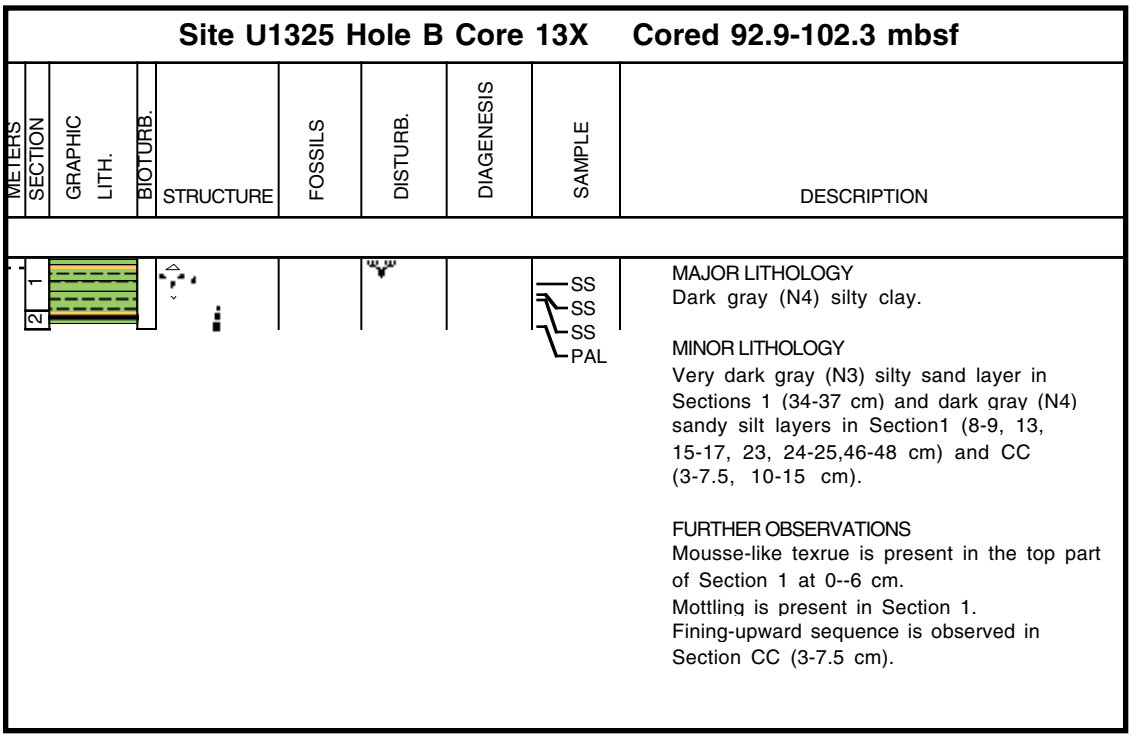

Site U1325 Hole B Core 11P Cored 82.4-83.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
SS
SS
SS
MAJOR LITHOLOGY
Dark gray (N4) clayey silt.
MINOR LITHOLOGY
A sand layer is present at 30-45 cm and silt layers at 45 to 88 cm.
FURTHER OBSERVATIONS
Soupy texture is present at 0-20 cm and mousse-like texture are present at 30-45 cm.

Core Photo


Site U1325 Hole B Core 12X Cored 84.4-92.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
86
88
90
1
2
3
4
5
SS
XRD
SS
MB
IW
HS
IW
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITOLOGY
Dark gray (N4) quartz sand in Sections 1-4.
FURTHER OBSERVATIONS
Rare to moderate mottling is observed in Sections 3 and 4.
Faint parallel lamination is observed in Section 3.

Core Photo

Site U1325 Hole B Core 13X Cored 92.9-102.3 mbsf



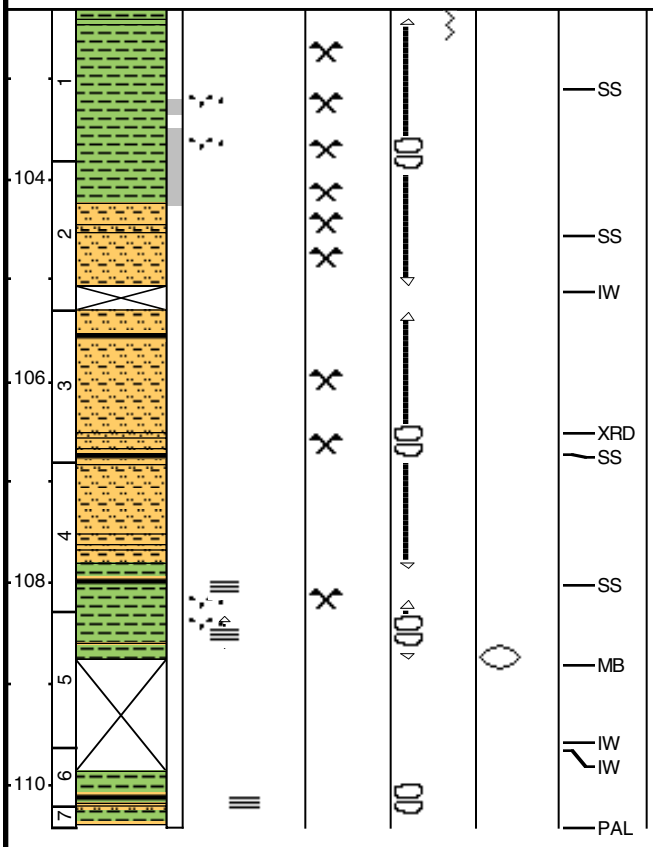
MAJOR LITHOLOGY
Dark gray (N4) silty clay.

MINOR LITHOLOGY
Very dark gray (N3) silty sand layer in Sections 1 (34-37 cm) and dark gray (N4) sandy silt layers in Section1 (8-9, 13, 15-17, 23, 24-25,46-48 cm) and CC (3-7.5, 10-15 cm).

FURTHER OBSERVATIONS
Mousse-like texrue is present in the top part of Section 1 at 0--6 cm.
Mottling is present in Section 1.
Fining-upward sequence is observed in Section CC (3-7.5 cm).

Core Photo

Site U1325 Hole B Core 14X Cored 102.3-111.7 mbsf



MAJOR LITHOLOGY

Dark greenish gray (5GY 4/1) and dark gray (N4) silty clay in Sections 1, 2 (0-46 cm), 4 (100-150 cm), 5 to CC.

Dark greenish gray (5GY 4/1) clayey silt with diatoms in Sections 2 (46-126 cm), 3 and 4 (0-100 cm).

MINOR LITHOLOGY

Lighter colored sandy silt layers and lenses are observed in Sections 1 (14-17 cm), 2 (68-70 cm), 3 (21-22, 122, 126, 140-141 cm), 4 (5, 10, 18-19, 30, 38-40, 56, 60-62, 70, 80-87, 112-116 cm), 5 (28, 35, 40, 46 cm), 6 (43-47, 54-59 cm) and CC (0-4, 7-8, 13 cm).

FURTHER OBSERVATIONS

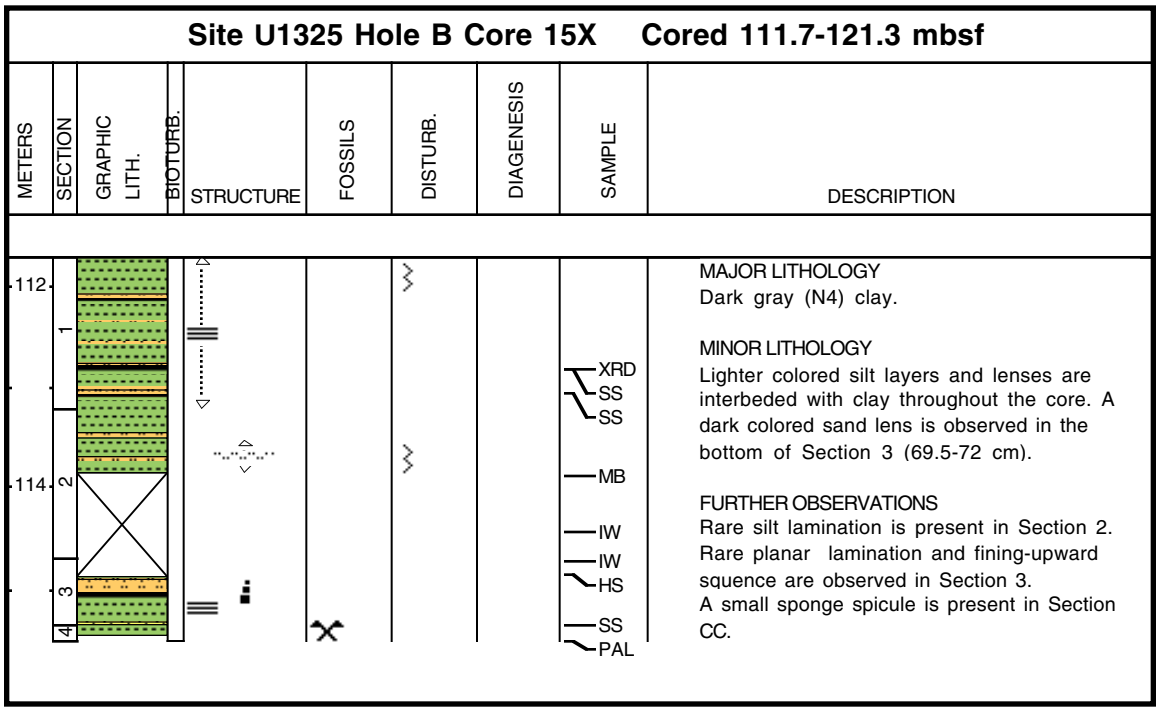
Sharp bottom contacts of thin sandy silt are present in Sections 3-6. Rare laminations are found in Sections 4 (107-137 cm) and 5 (0-34 cm).

Some iron sulfide mottles are observed in Sections 1, 4 and 5. Sponge spicules are scattered widely from Sections 1 to 5.

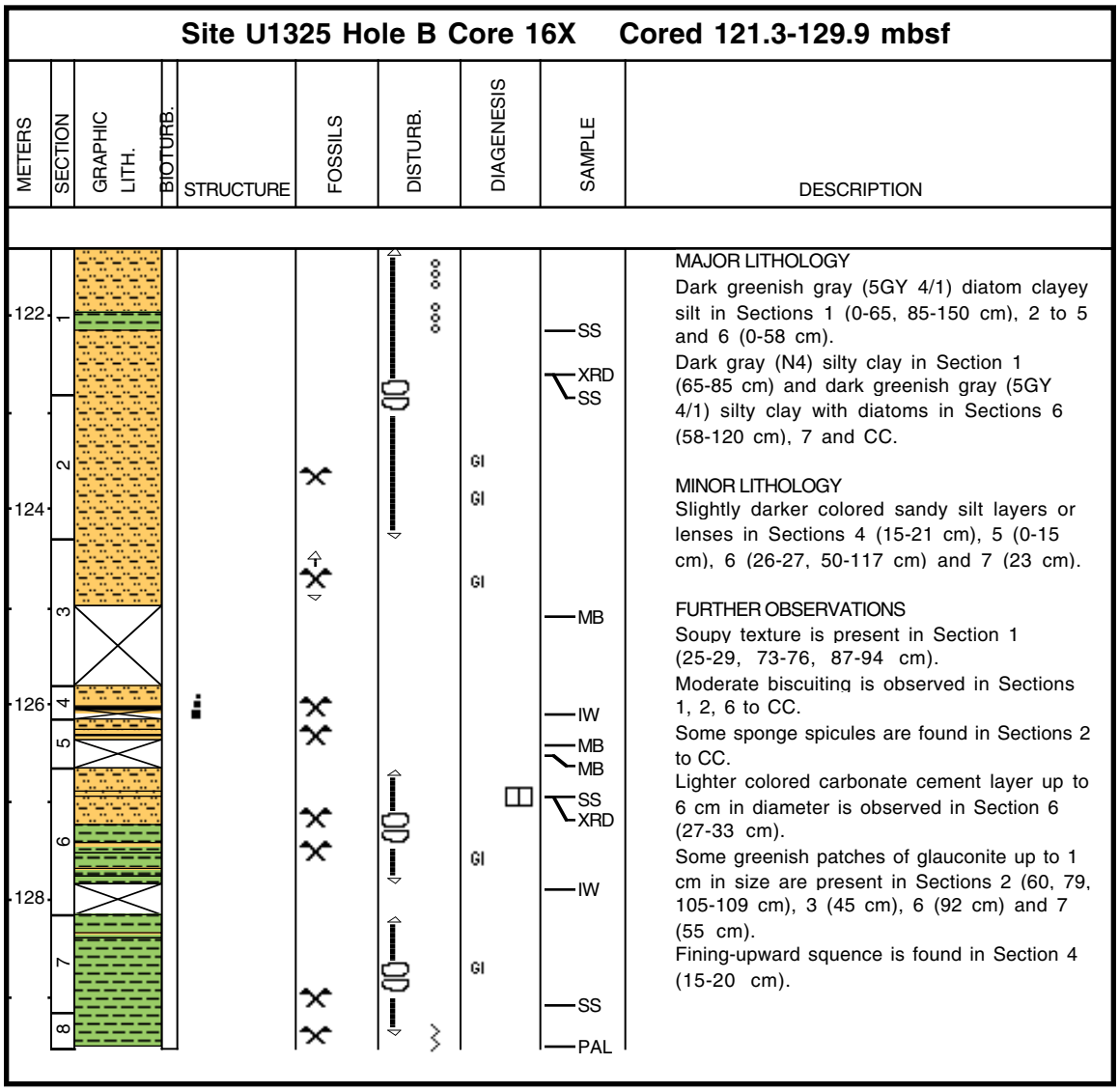
A dark greenish gray rock piece is observed in Section 5 (41-43 cm) of working half core.

Moderate biscuiting is present throughout the core.

Core Photo


Site U1325 Hole B Core 15X Cored 111.7-121.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
112
114
1
2
3
4
XRD
SS
SS
MB
IW
IW
HS
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) clay.
MINOR LITHOLOGY
Lighter colored silt layers and lenses are interbeded with clay throughout the core. A dark colored sand lens is observed in the bottom of Section 3 (69.5-72 cm).
FURTHER OBSERVATIONS
Rare silt lamination is present in Section 2.
Rare planar lamination and fining-upward squence are observed in Section 3.
A small sponge spicule is present in Section CC.

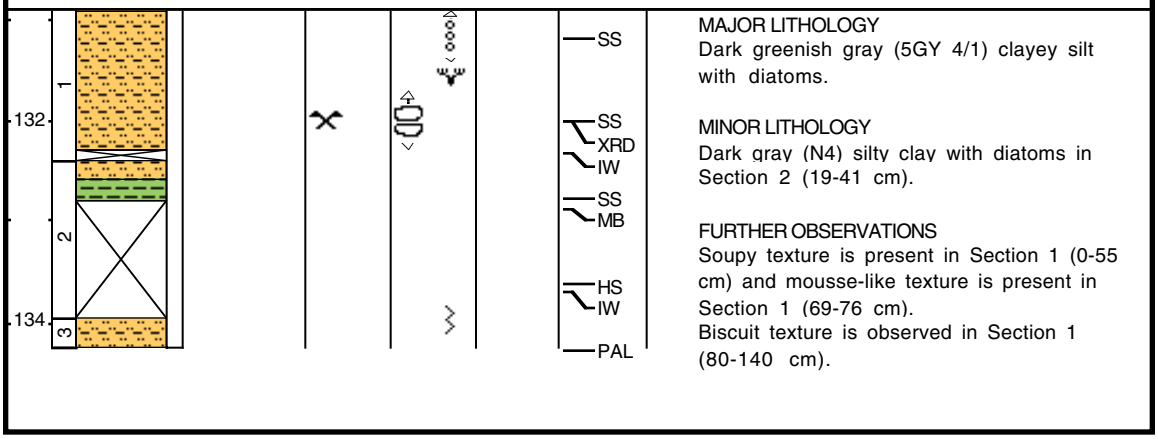
Core Photo



U1325B-17E No description available

Core Photo

Site U1325 Hole B Core 18X Cored 130.9-140.5 mbsf

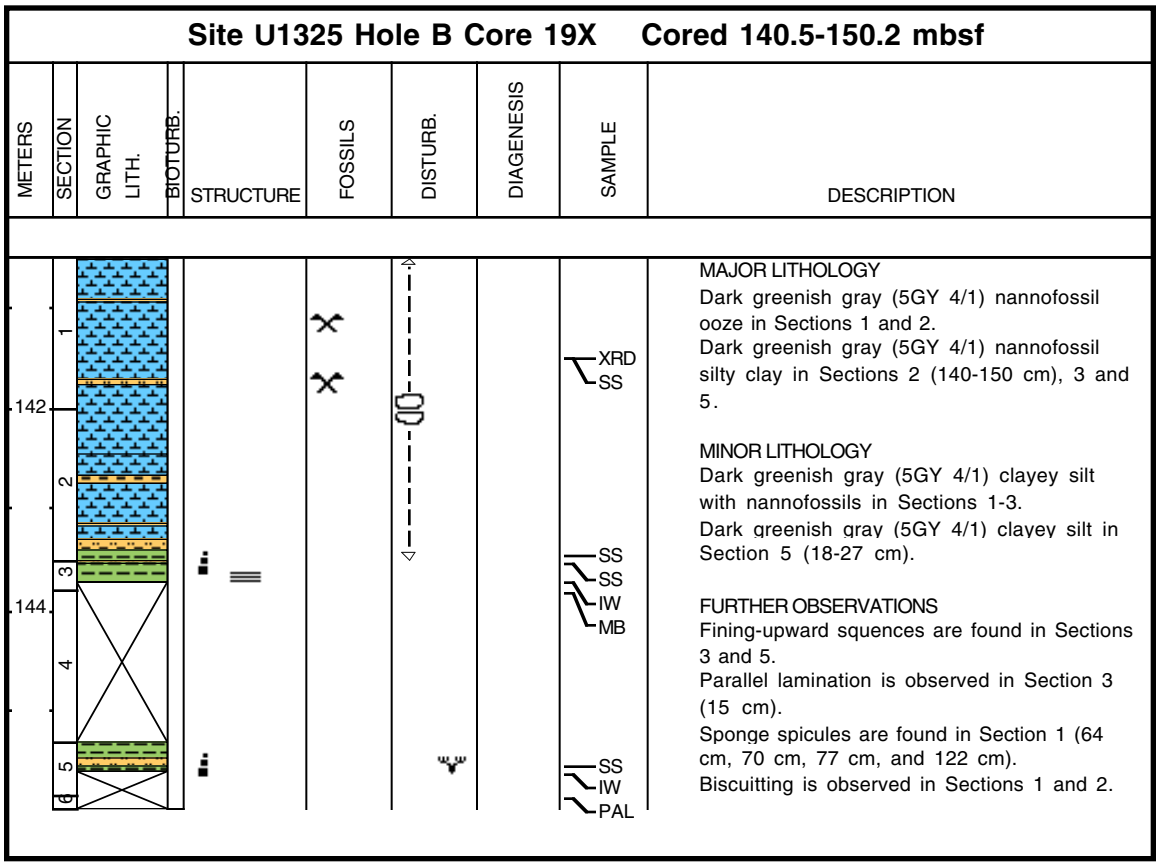


MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) clayey silt with diatoms.

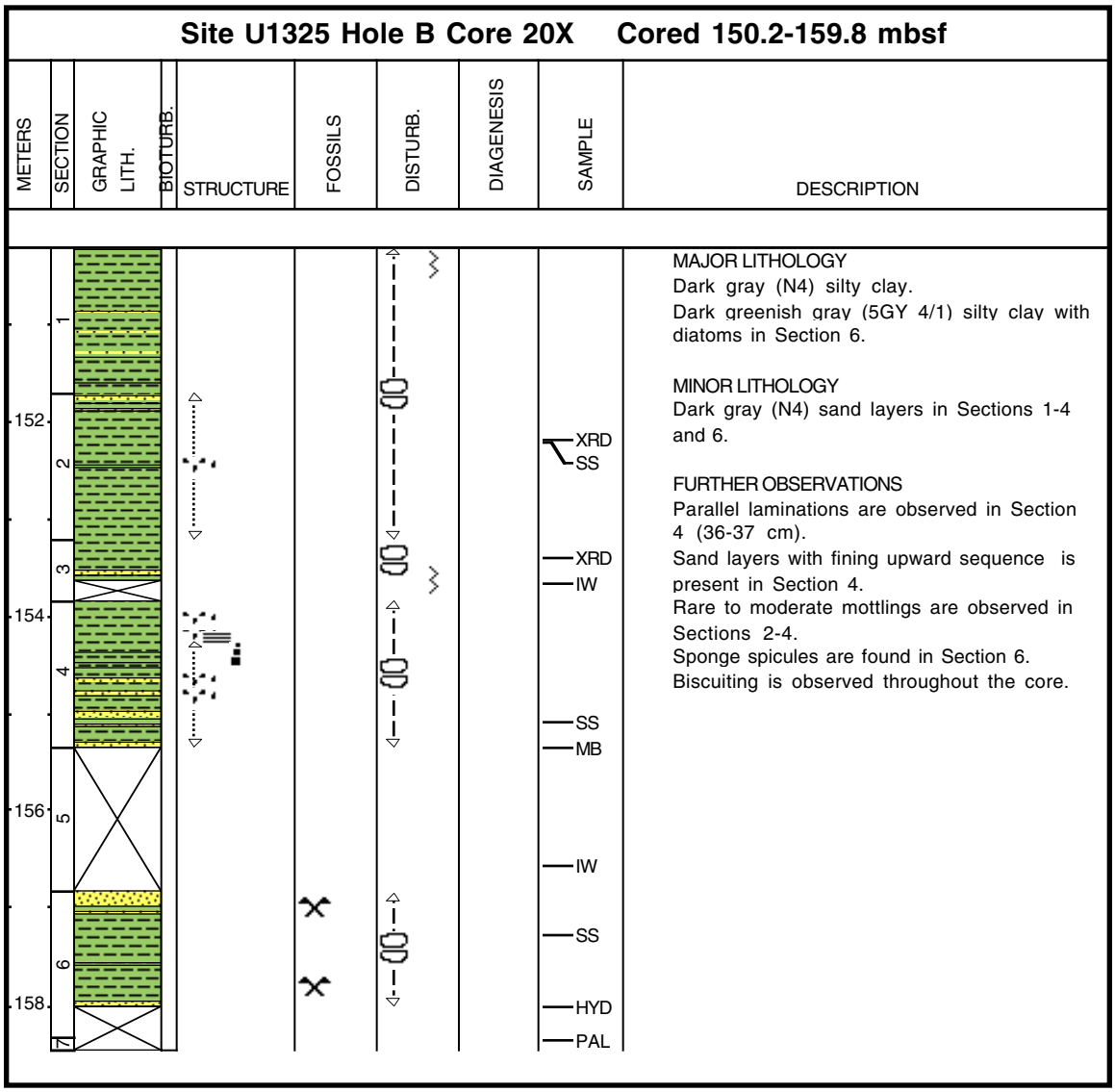
MINOR LITHOLOGY
Dark gray (N4) silty clay with diatoms in Section 2 (19-41 cm).

FURTHER OBSERVATIONS
Soupy texture is present in Section 1 (0-55 cm) and mousse-like texture is present in Section 1 (69-76 cm).
Biscuit texture is observed in Section 1 (80-140 cm).

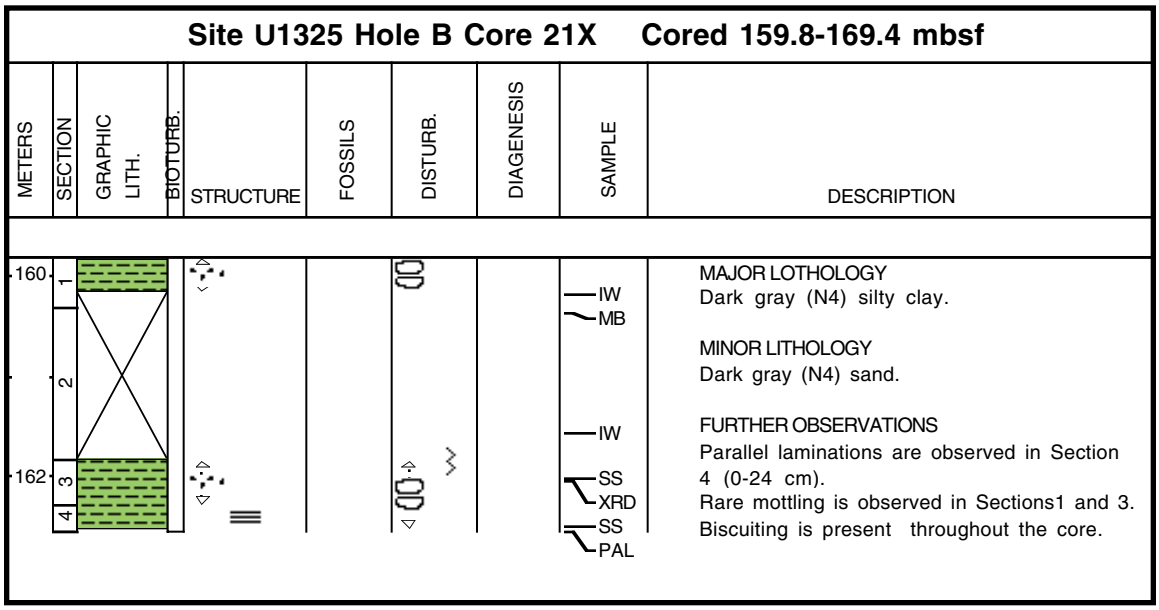
Core Photo


Site U1325 Hole B Core 19X Cored 140.5-150.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
142
144
1
2
3
4
5
6
XRD
SS
SS
SS
IW
MB
SS
IW
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) nannofossil ooze in Sections 1 and 2.
Dark greenish gray (5GY 4/1) nannofossil silty clay in Sections 2 (140-150 cm), 3 and 5.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) clayey silt with nannofossils in Sections 1-3.
Dark greenish gray (5GY 4/1) clayey silt in Section 5 (18-27 cm).
FURTHER OBSERVATIONS
Fining-upward squences are found in Sections 3 and 5.
Parallel lamination is observed in Section 3 (15 cm).
Sponge spicules are found in Section 1 (64 cm, 70 cm, 77 cm, and 122 cm).
Biscuitting is observed in Sections 1 and 2.

Core Photo

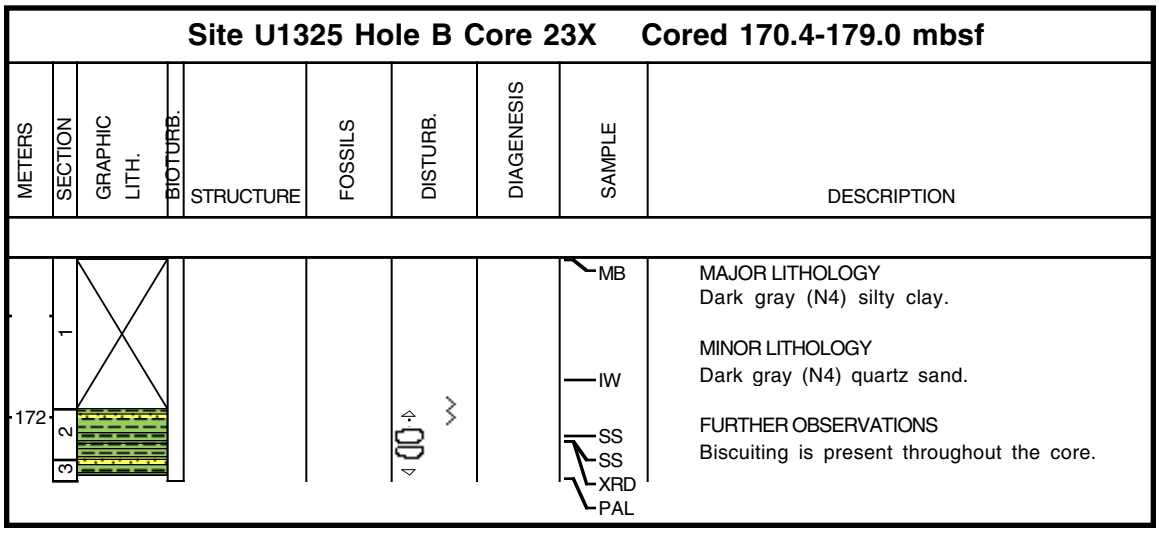

Site U1325 Hole B Core 20X Cored 150.2-159.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
152
154
156
158
1
2
3
4
5
6
7
XRD
SS
XRD
IW
SS
MB
IW
SS
HYD
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
Dark greenish gray (5GY 4/1) silty clay with diatoms in Section 6.
MINOR LITHOLOGY
Dark gray (N4) sand layers in Sections 1-4 and 6.
FURTHER OBSERVATIONS
Parallel laminations are observed in Section 4 (36-37 cm).
Sand layers with fining upward sequence is present in Section 4.
Rare to moderate mottlings are observed in Sections 2-4.
Sponge spicules are found in Section 6.
Biscuiting is observed throughout the core.

Core Photo

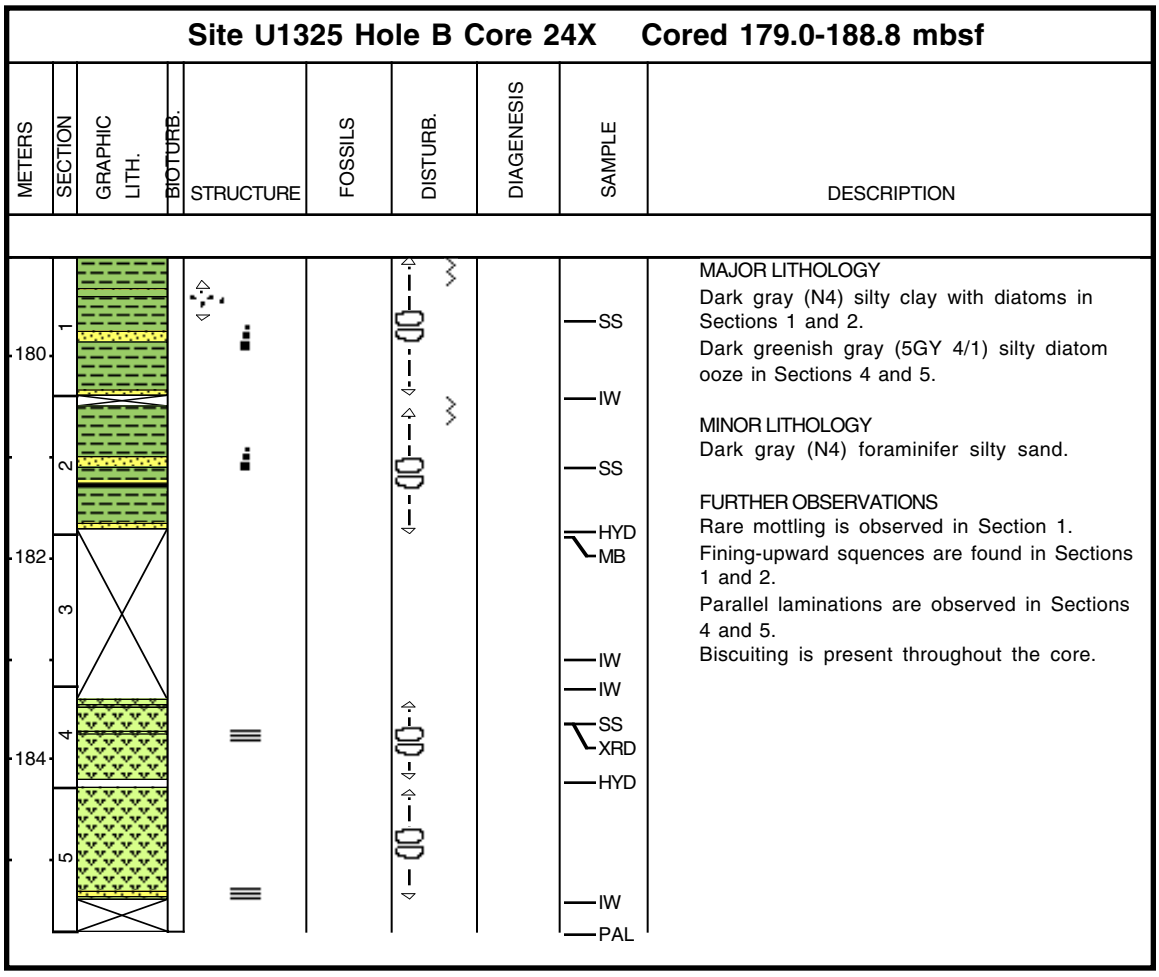


U1325B-22Y No description available

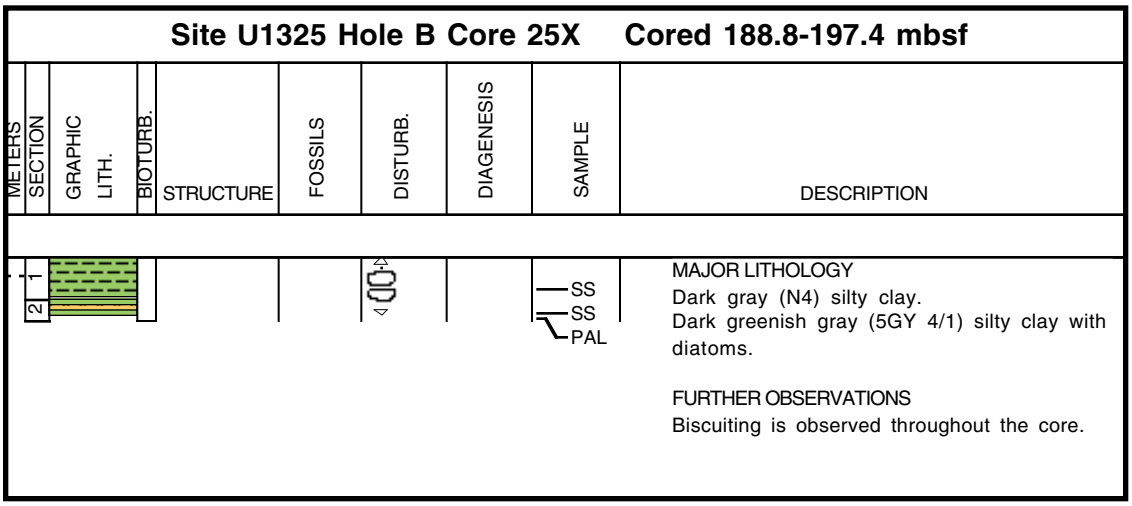
Core Photo


Site U1325 Hole B Core 23X Cored 170.4-179.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
172
1
2
3
MB
IW
SS
SS
XRD
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark gray (N4) quartz sand.
FURTHER OBSERVATIONS
Biscuiting is present throughout the core.

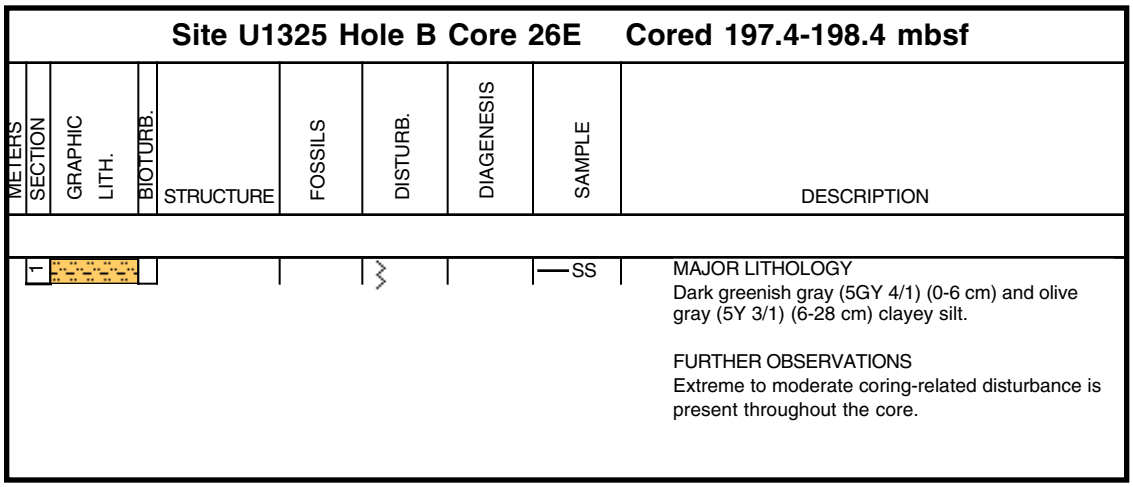
Core Photo


Site U1325 Hole B Core 24X Cored 179.0-188.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
180
182
184
1
2
3
4
5
SS
IW
SS
HYD
MB
IW
IW
SS
XRD
HYD
IW
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay with diatoms in Sections 1 and 2.
Dark greenish gray (5GY 4/1) silty diatom ooze in Sections 4 and 5.
MINOR LITHOLOGY
Dark gray (N4) foraminifer silty sand.
FURTHER OBSERVATIONS
Rare mottling is observed in Section 1.
Fining-upward squences are found in Sections 1 and 2.
Parallel laminations are observed in Sections 4 and 5.
Biscuiting is present throughout the core.

Core Photo

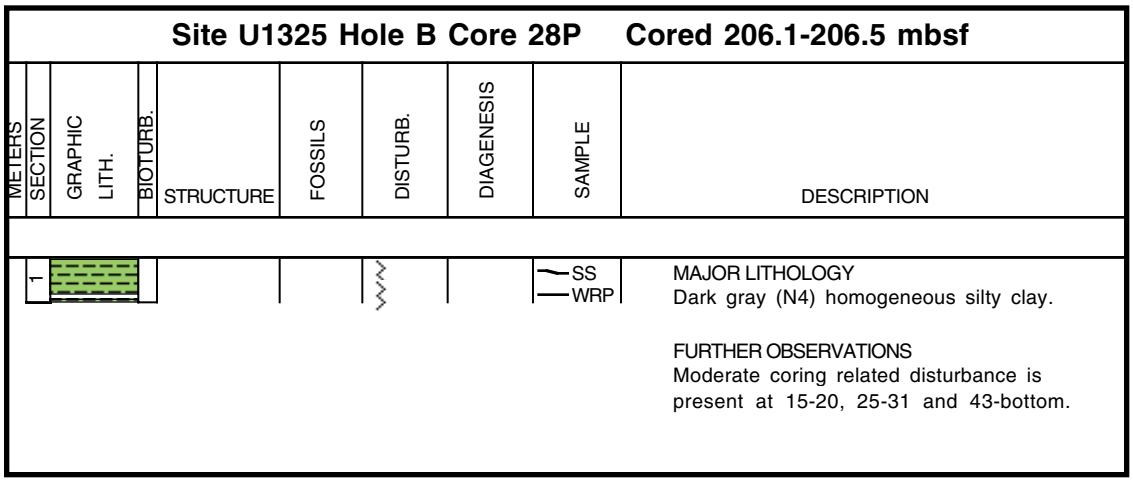

Site U1325 Hole B Core 25X Cored 188.8-197.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
2
SS
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
Dark greenish gray (5GY 4/1) silty clay with diatoms.
FURTHER OBSERVATIONS
Biscuiting is observed throughout the core.

Core Photo

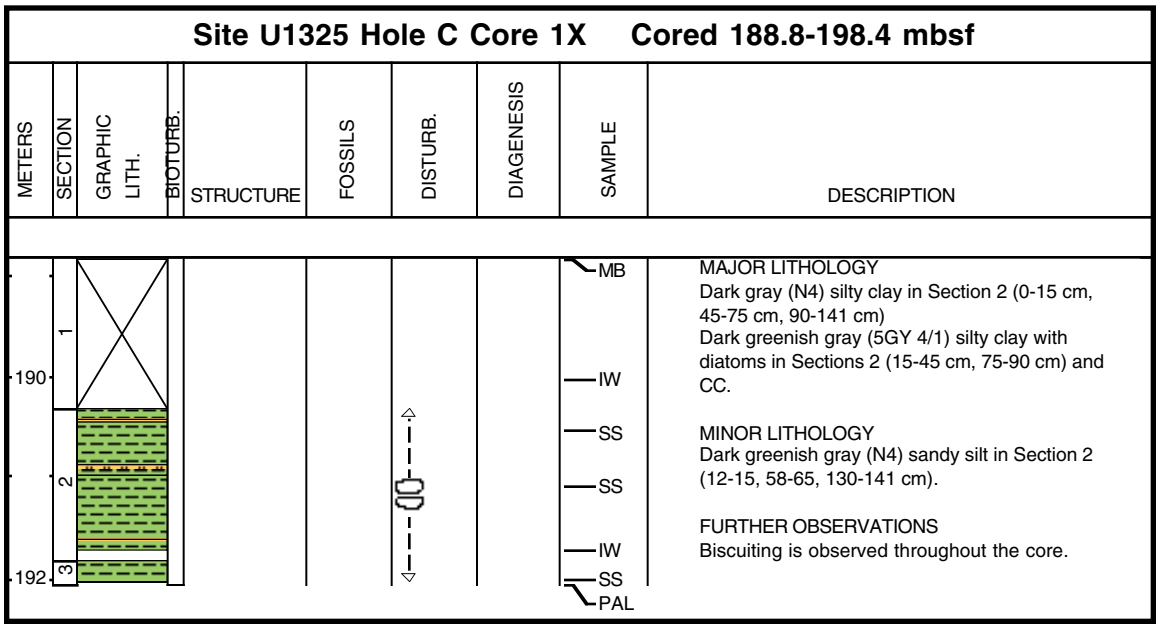


U1325B-27X No recovery

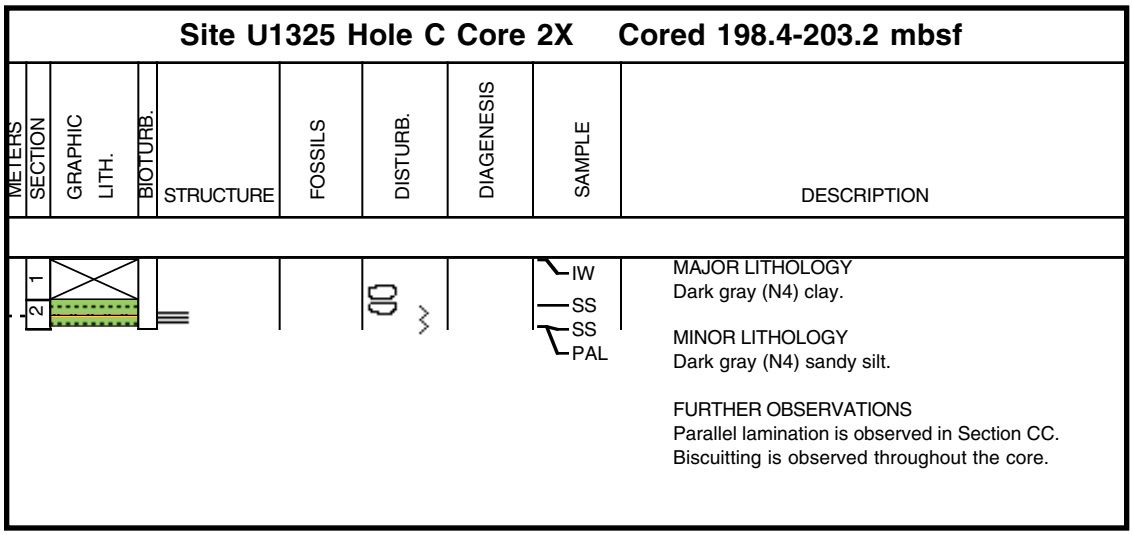
Core Photo


Site U1325 Hole B Core 28P Cored 206.1-206.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
SS
WRP
MAJOR LITHOLOGY
Dark gray (N4) homogeneous silty clay.
FURTHER OBSERVATIONS
Moderate coring related disturbance is present at 15-20, 25-31 and 43-bottom.

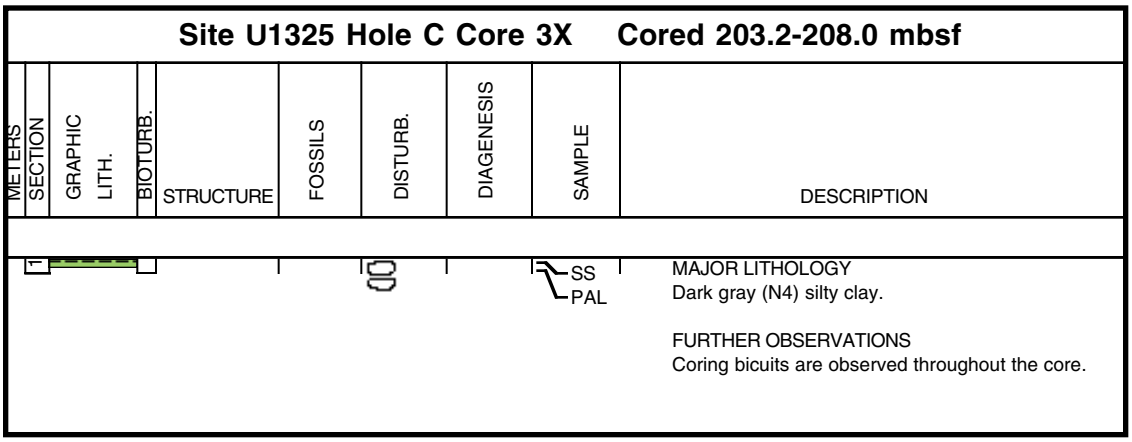
Core Photo


Site U1325 Hole C Core 1X Cored 188.8-198.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
190
192
1
2
3
MB
IW
SS
SS
IW
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay in Section 2 (0-15 cm, 45-75 cm, 90-141 cm)
Dark greenish gray (5GY 4/1) silty clay with diatoms in Sections 2 (15-45 cm, 75-90 cm) and CC.
MINOR LITHOLOGY
Dark greenish gray (N4) sandy silt in Section 2 (12-15, 58-65, 130-141 cm).
FURTHER OBSERVATIONS
Biscuiting is observed throughout the core.

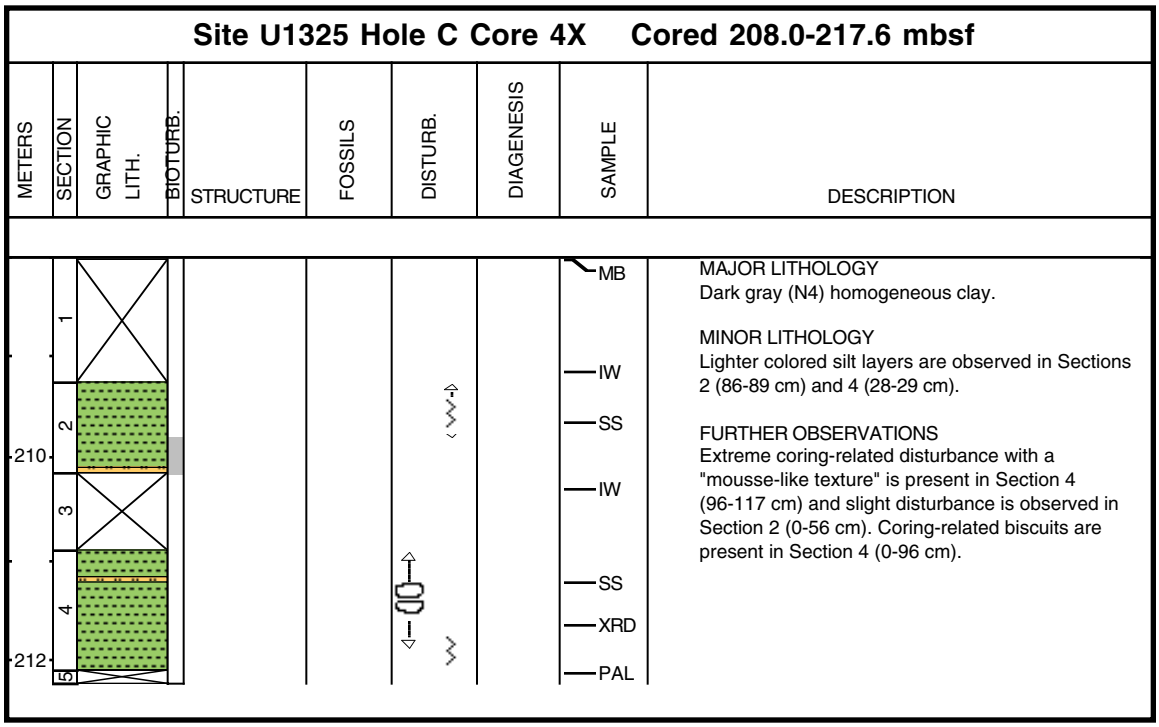
Core Photo


Site U1325 Hole C Core 2X Cored 198.4-203.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
2
IW
SS
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) clay.
MINOR LITHOLOGY
Dark gray (N4) sandy silt.
FURTHER OBSERVATIONS
Parallel lamination is observed in Section CC.
Biscuitting is observed throughout the core.

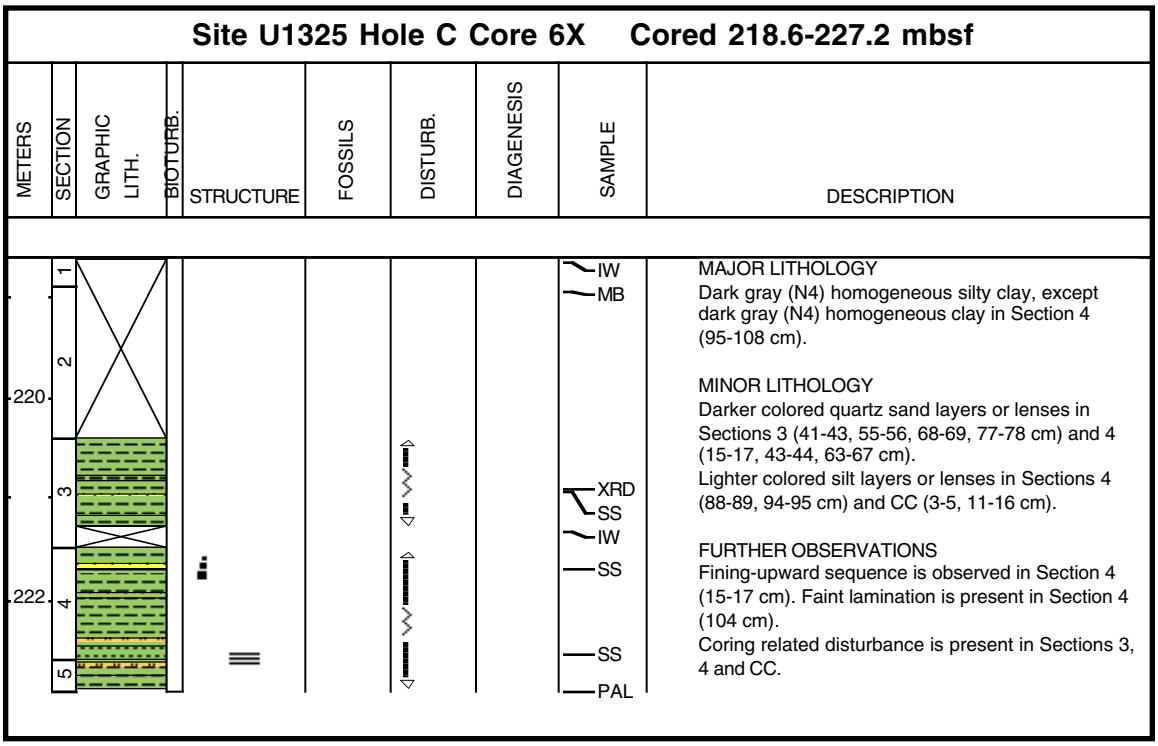
Core Photo


Site U1325 Hole C Core 3X Cored 203.2-208.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
FURTHER OBSERVATIONS
Coring bicuits are observed throughout the core.

Core Photo

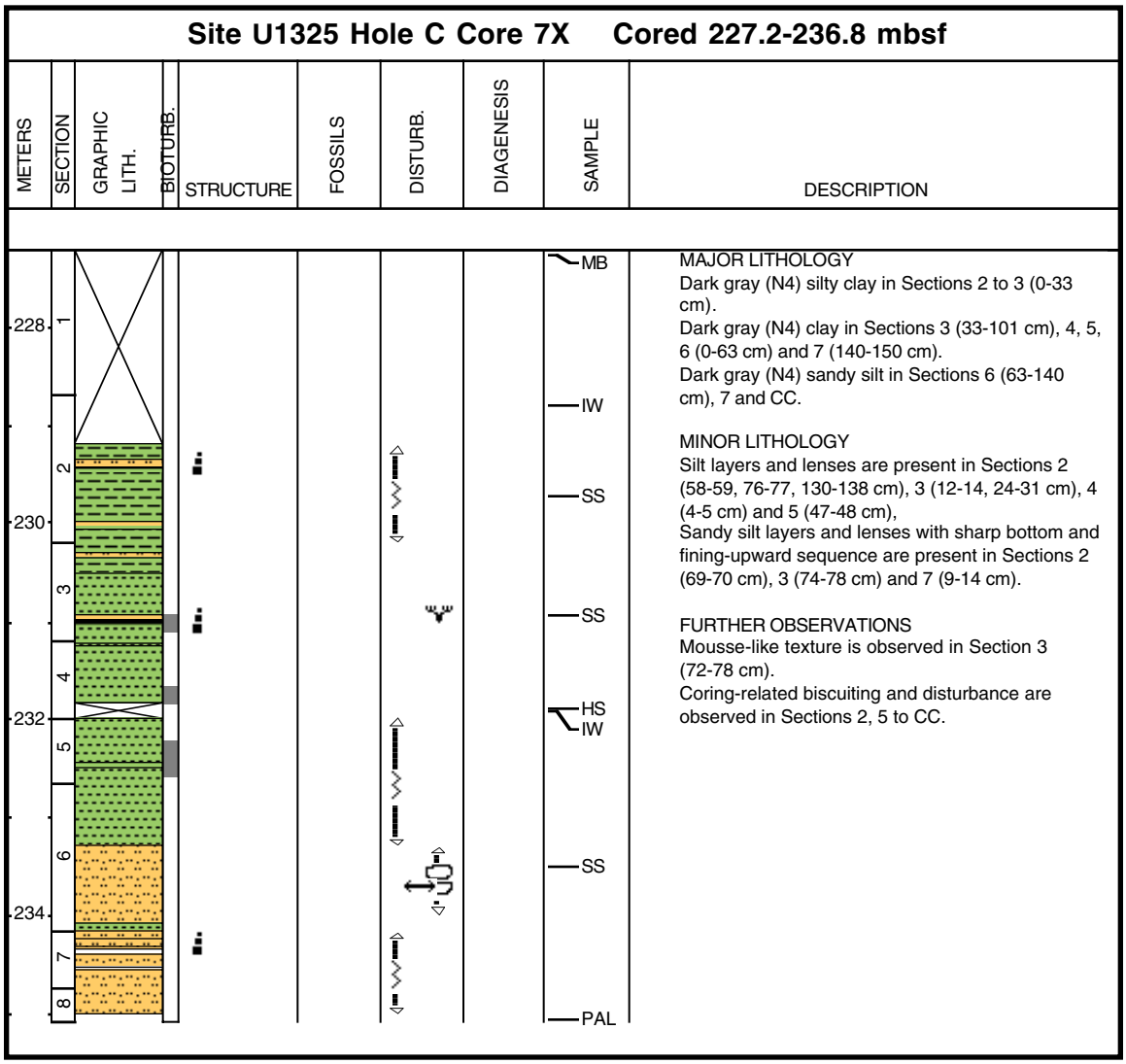


U1325C-5Y No recovery

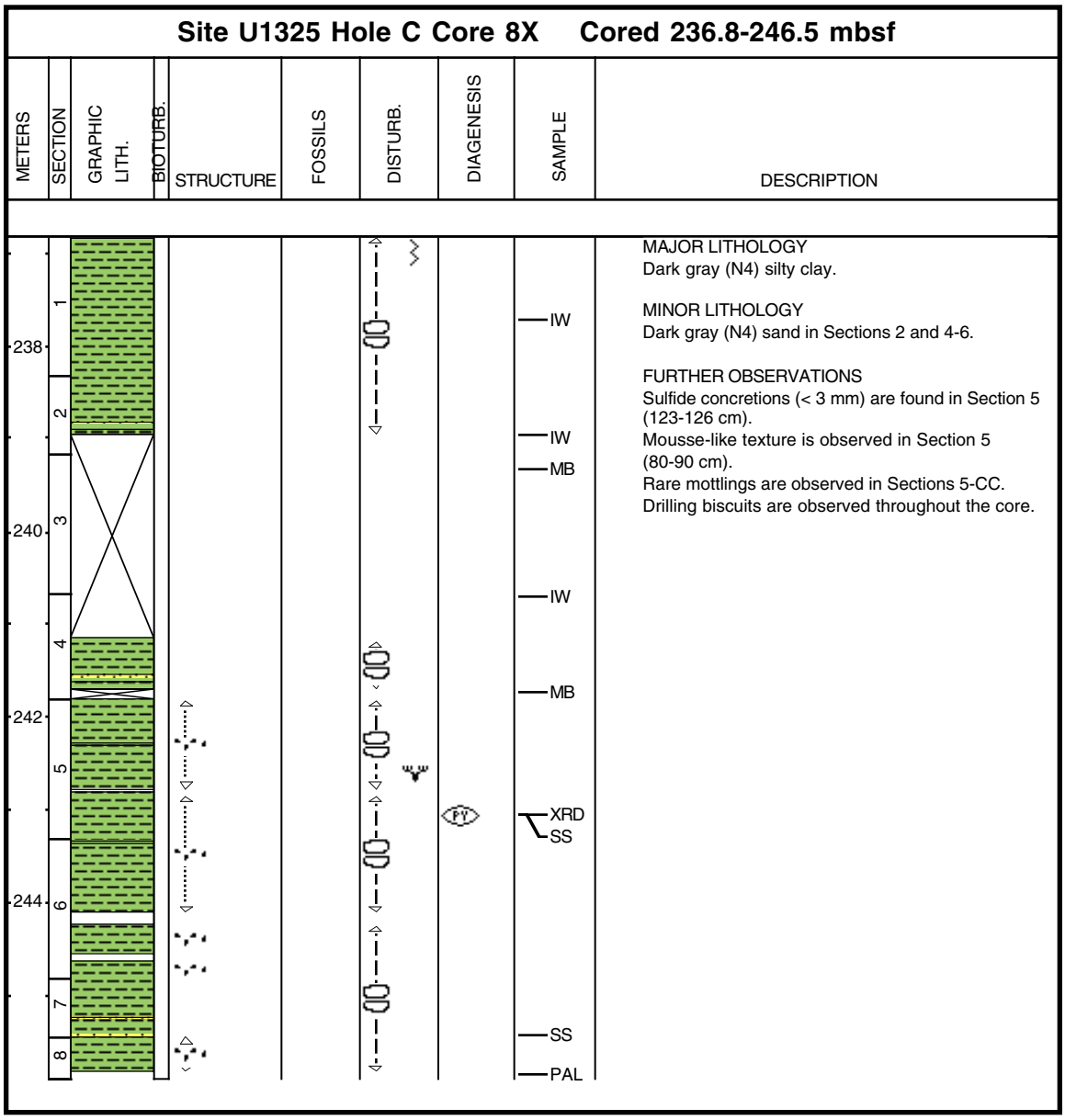


Note: no photo was taken for U1325C-6X

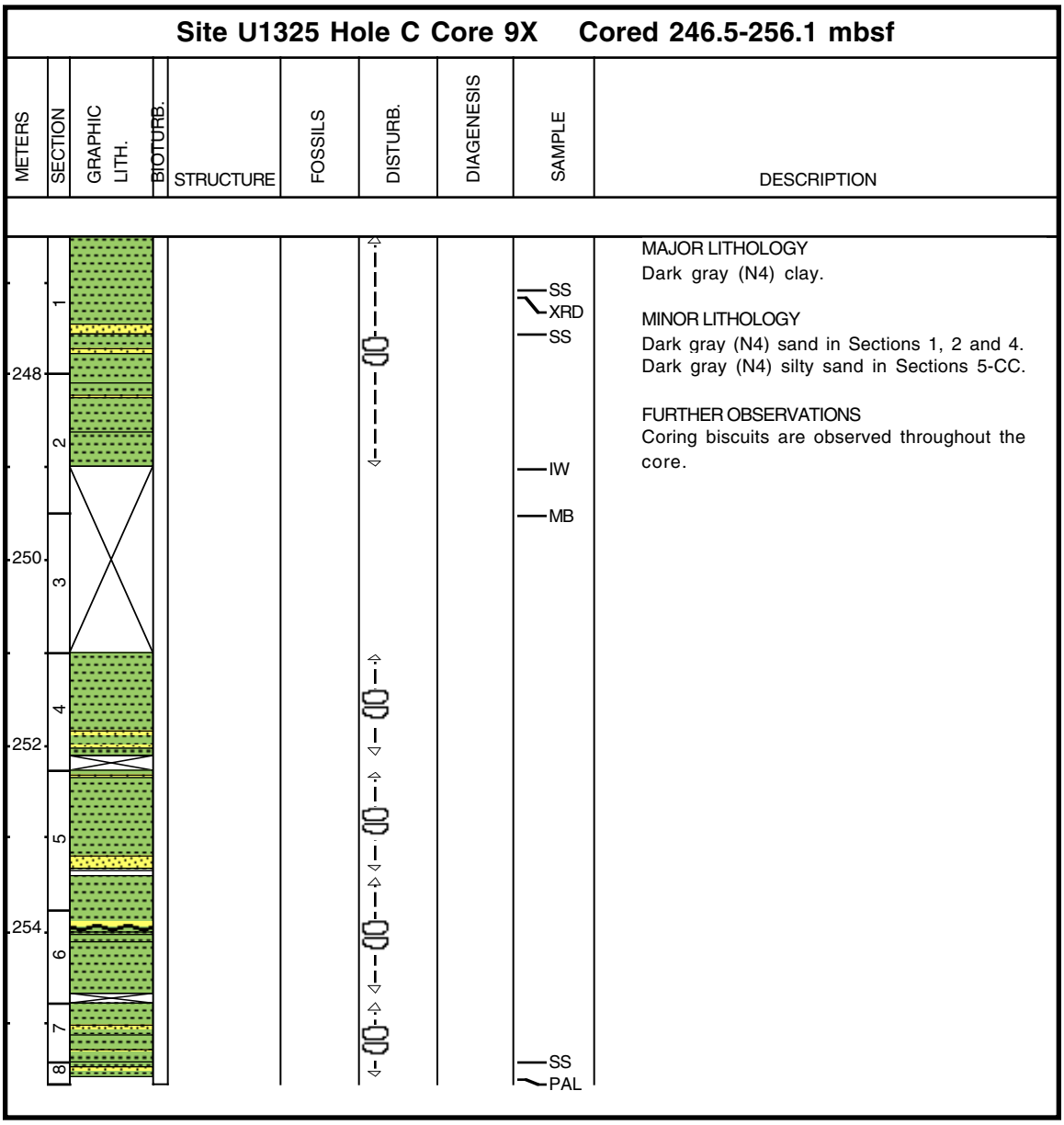
Core Photo


Site U1325 Hole C Core 7X Cored 227.2-236.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
228
230
232
234
1
2
3
4
5
6
7
8
MB
IW
SS
SS
HS
IW
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay in Sections 2 to 3 (0-33 cm).
Dark gray (N4) clay in Sections 3 (33-101 cm), 4, 5, 6 (0-63 cm) and 7 (140-150 cm).
Dark gray (N4) sandy silt in Sections 6 (63-140 cm), 7 and CC.
MINOR LITHOLOGY
Silt layers and lenses are present in Sections 2 (58-59, 76-77, 130-138 cm), 3 (12-14, 24-31 cm), 4 (4-5 cm) and 5 (47-48 cm),
Sandy silt layers and lenses with sharp bottom and fining-upward sequence are present in Sections 2 (69-70 cm), 3 (74-78 cm) and 7 (9-14 cm).
FURTHER OBSERVATIONS
Mousse-like texture is observed in Section 3 (72-78 cm).
Coring-related biscuiting and disturbance are observed in Sections 2, 5 to CC.

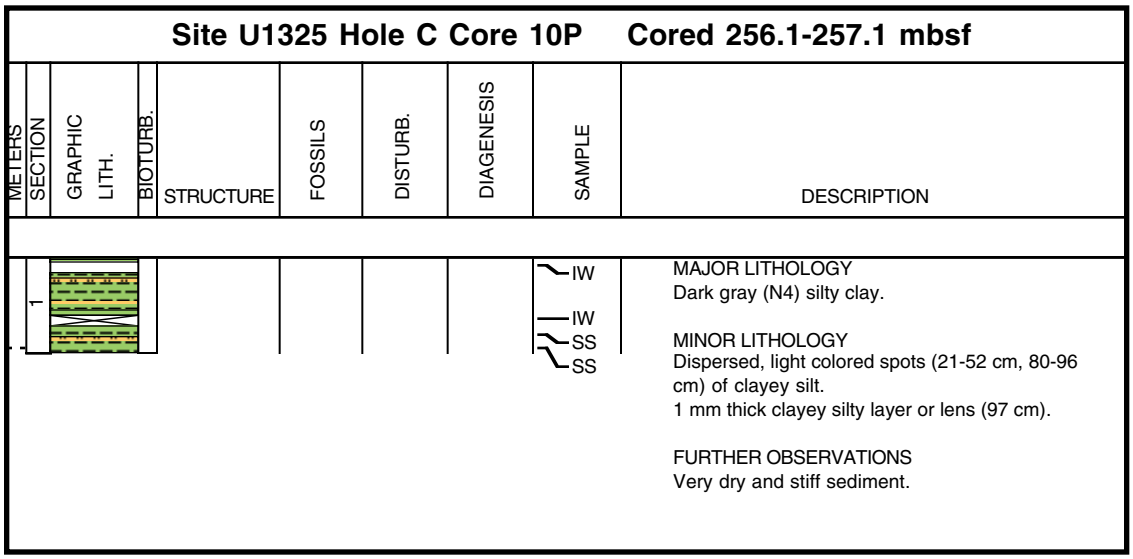
Core Photo


Site U1325 Hole C Core 8X Cored 236.8-246.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
238
240
242
244
1
2
3
4
5
6
7
8
IW
IW
MB
IW
MB
XRD
SS
SS
PAL
PY
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark gray (N4) sand in Sections 2 and 4-6.
FURTHER OBSERVATIONS
Sulfide concretions (< 3 mm) are found in Section 5 (123-126 cm).
Mousse-like texture is observed in Section 5 (80-90 cm).
Rare mottlings are observed in Sections 5-CC.
Drilling biscuits are observed throughout the core.

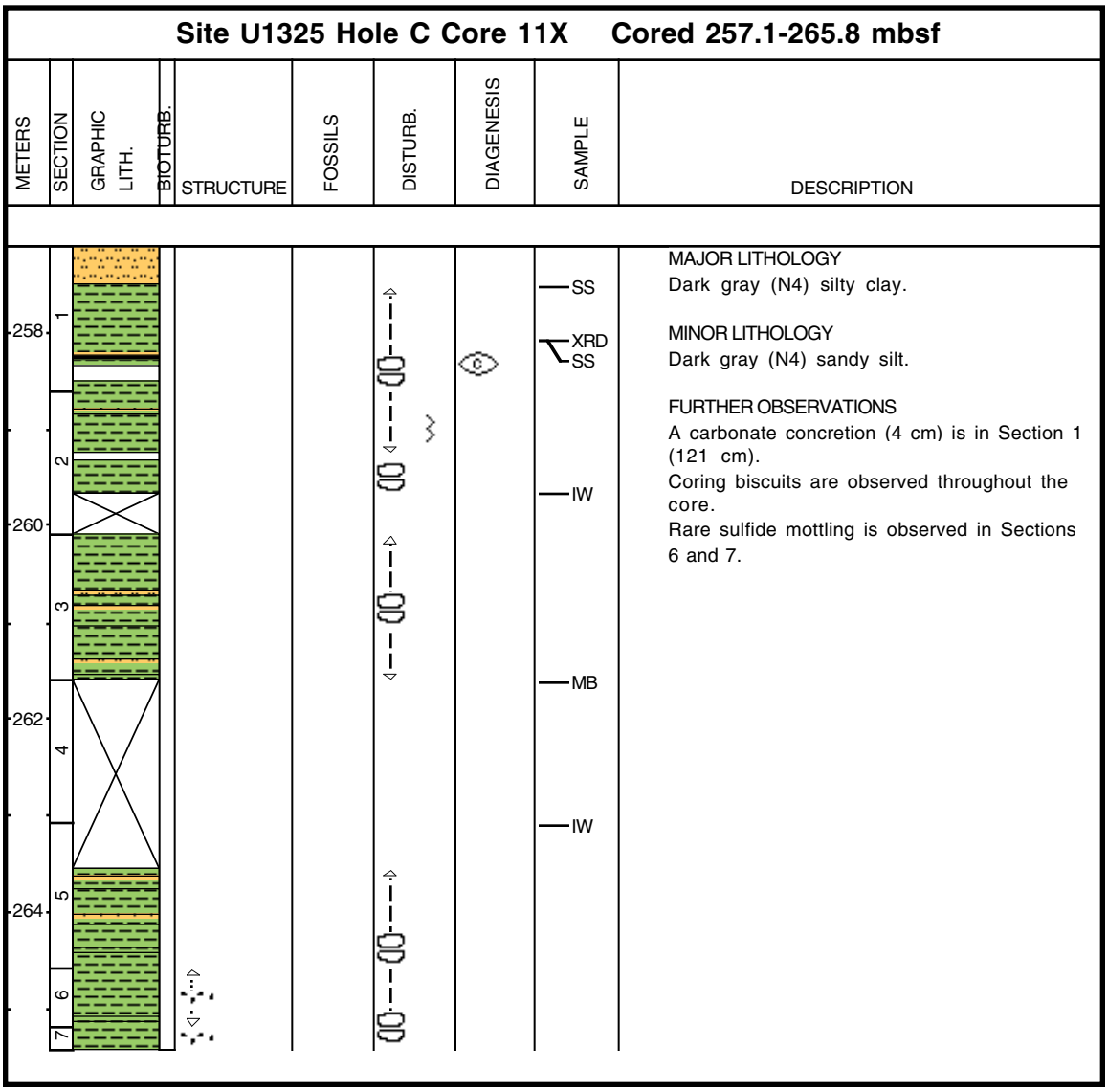
Core Photo


Site U1325 Hole C Core 9X Cored 246.5-256.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
248
250
252
254
1
2
3
4
5
6
7
8
SS
XRD
SS
IW
MB
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) clay.
MINOR LITHOLOGY
Dark gray (N4) sand in Sections 1, 2 and 4.
Dark gray (N4) silty sand in Sections 5-CC.
FURTHER OBSERVATIONS
Coring biscuits are observed throughout the core.

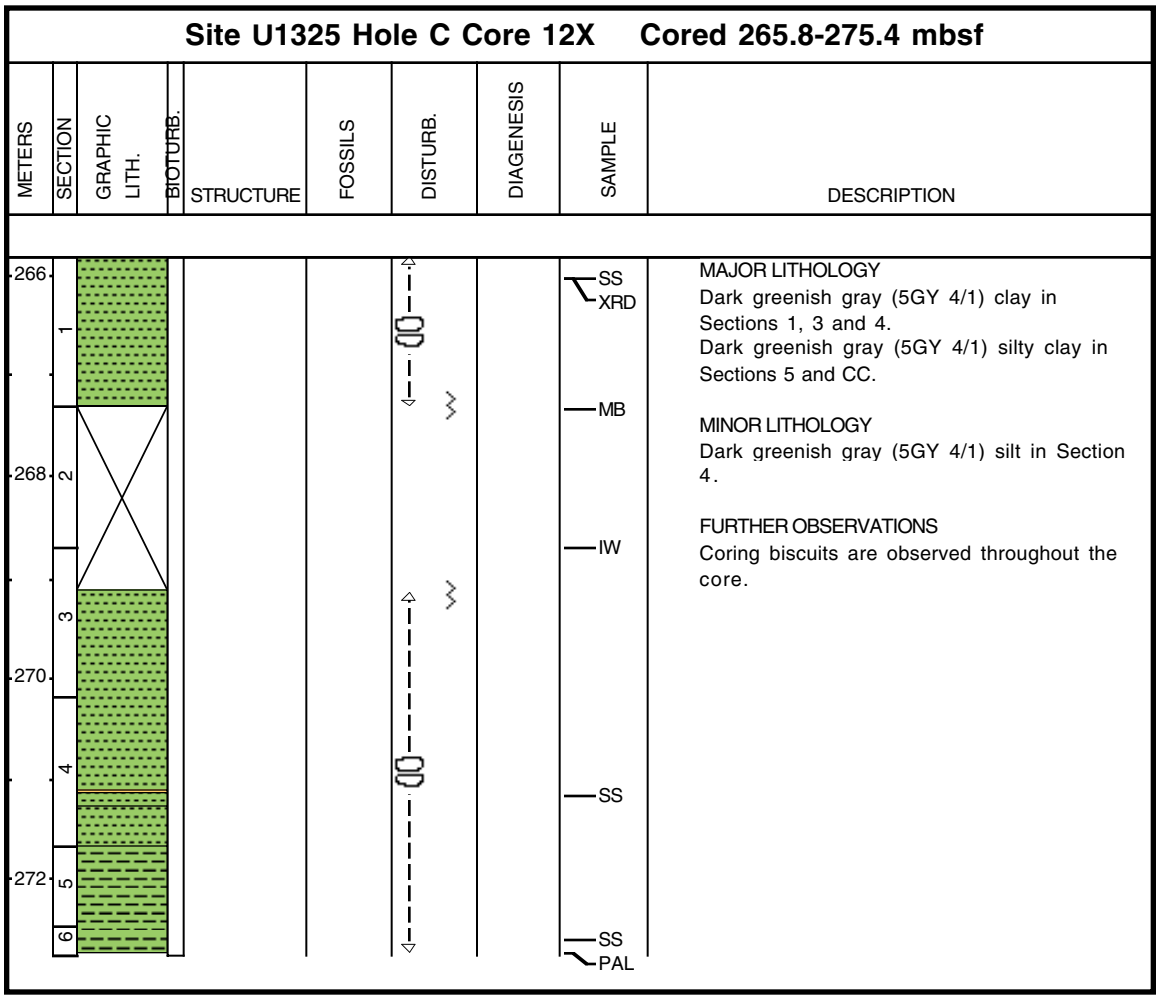
Core Photo


Site U1325 Hole C Core 10P Cored 256.1-257.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
IW
IW
SS
SS
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dispersed, light colored spots (21-52 cm, 80-96 cm) of clayey silt.
1 mm thick clayey silty layer or lens (97 cm).
FURTHER OBSERVATIONS
Very dry and stiff sediment.

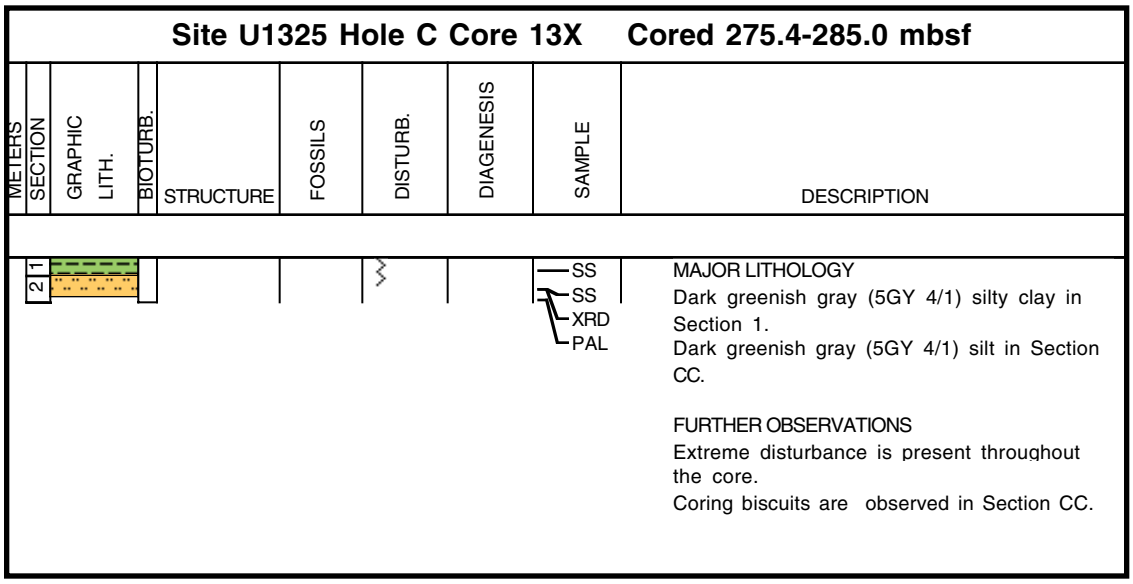
Core Photo


Site U1325 Hole C Core 11X Cored 257.1-265.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
258
260
262
264
1
2
3
4
5
6
7
SS
XRD
SS
IW
MB
IW
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark gray (N4) sandy silt.
FURTHER OBSERVATIONS
A carbonate concretion (4 cm) is in Section 1 (121 cm).
Coring biscuits are observed throughout the core.
Rare sulfide mottling is observed in Sections 6 and 7.

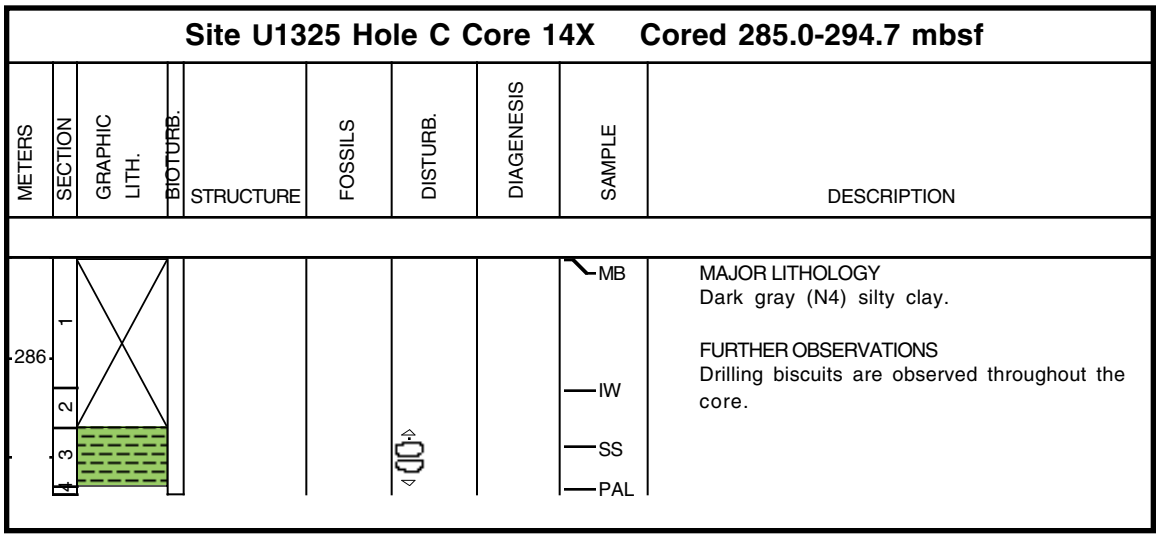
Core Photo


Site U1325 Hole C Core 12X Cored 265.8-275.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
266
268
270
272
1
2
3
4
5
6
SS
XRD
MB
IW
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) clay in Sections 1, 3 and 4.
Dark greenish gray (5GY 4/1) silty clay in Sections 5 and CC.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) silt in Section 4.
FURTHER OBSERVATIONS
Coring biscuits are observed throughout the core.

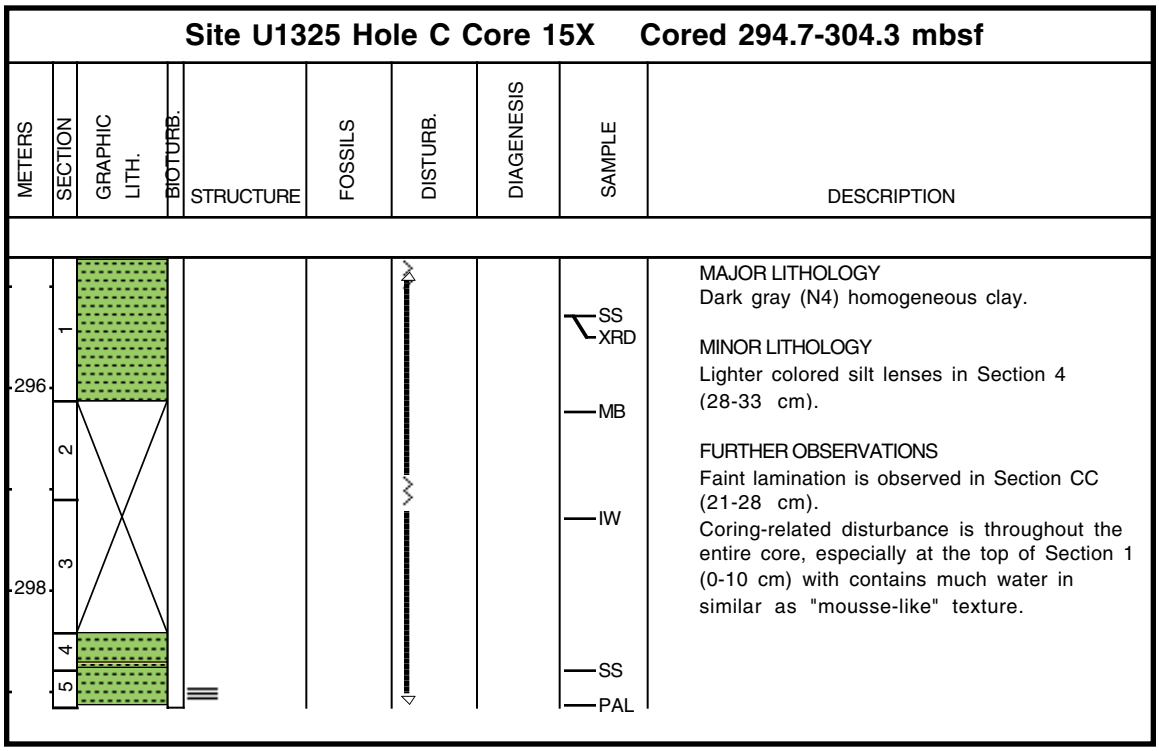
Core Photo


Site U1325 Hole C Core 13X Cored 275.4-285.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
2 1
SS
SS
XRD
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay in Section 1.
Dark greenish gray (5GY 4/1) silt in Section CC.
FURTHER OBSERVATIONS
Extreme disturbance is present throughout the core.
Coring biscuits are observed in Section CC.

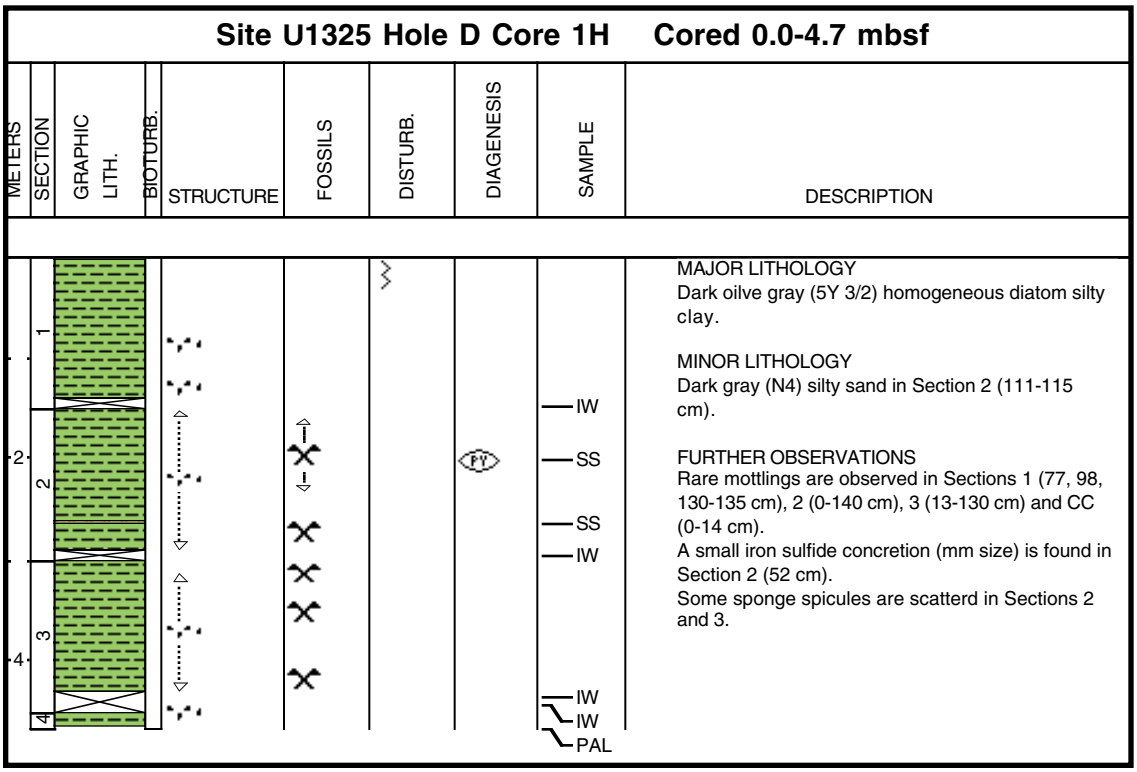
Core Photo


Site U1325 Hole C Core 14X Cored 285.0-294.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
286
1
2
3
4
MB
IW
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
FURTHER OBSERVATIONS
Drilling biscuits are observed throughout the core.

Core Photo


Site U1325 Hole C Core 15X Cored 294.7-304.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
296
298
1
2
3
4
5
SS
XRD
MB
IW
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) homogeneous clay.
MINOR LITHOLOGY
Lighter colored silt lenses in Section 4 (28-33 cm).
FURTHER OBSERVATIONS
Faint lamination is observed in Section CC (21-28 cm).
Coring-related disturbance is throughout the entire core, especially at the top of Section 1 (0-10 cm) with contains much water in similar as "mousse-like" texture.

Core Photo


Site U1325 Hole D Core 1H Cored 0.0-4.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
2
3
4
IW
SS
SS
IW
IW
IW
PAL
MAJOR LITHOLOGY
Dark oilve gray (5Y 3/2) homogeneous diatom silty clay.
MINOR LITHOLOGY
Dark gray (N4) silty sand in Section 2 (111-115 cm).
FURTHER OBSERVATIONS
Rare mottlings are observed in Sections 1 (77, 98, 130-135 cm), 2 (0-140 cm), 3 (13-130 cm) and CC (0-14 cm).
A small iron sulfide concretion (mm size) is found in Section 2 (52 cm).
Some sponge spicules are scatterd in Sections 2 and 3.

Sample reference						Texture %			Biogenic %								Mineral %																	
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Diatoms	Foraminifers	Nannofossils	Radiolarians	Siliceous spicules & others	Silicoflagellates	Organic debris	Shell debris	Quartz	Feldspar	Volcanic glass	Muscovite	Biotite	Glauconite	Clay minerals	Carbonate	Calcite	Dolomite	Opaques	Pyrite	Accessory minerals	Rock fragments	Comments	Biocenig opal	Foram nanno
Hole B																																	
1	H	2	30	1.8	D	1	45	54	30	1	1			1	1		8	2			1		54				1					31	2
1	H	4	40	4.9	D	1	40	59	20	1				1	1		11	3			1		59				2		1			21	1
1	H	5	36	6.36	M	75	10	15	3	1							50	14			3		15				6		6	2		3	1
2	H	4	97	14.77	D	95	5	0									50	17			6								7	20		0	0
2	H	5	84	16.14	D	98	2	0		3						1	55	18										2	6	15		0	3
2	H	5	127	16.57	D	0	25	75	1						2		13	4			1		75				2		2			1	0
3	X	1	36	19.16	M	60	30	10	2	1							48	18			1		10				5		5	10		2	1
3	X	1	54	19.34	M	30	50	20	3				1		1		45	17			2		20				3		5	3		4	0
3	X	1	100	19.8	D	0	35	65	20	1			2				7	2			1		65				1		1			22	1
4	H	1	10	24.1	M	73	25	2		2							48	21				2	2	2			5		8	10		0	2
4	H	1	100	25	D	0	29	71	20	1	1	1					2	1			1		70	2			1					21	2
4	H	2	23	25.55	M	15	85	0	1				96				1										2				white spot= SPONGE	97	0
4	H	6	40	31.72	D	1	38	61	25	1	1	1	2		1		2	1	2				60	2			2					28	2
4	H	6	48	31.8	M	95	5	0							80												20				brown wood fragment	0	0
4	H	6	102	32.34	M	20	50	30	8	2	1		1		1		20	10			3		30	1			15		3	5	silty lense	9	3
5	H	1	35	33.85	M	90	10	0	3								41	22			2	2					10		10	10	sand	3	0
5	H	1	73	34.23	D	2	28	70	4				1			2	11	7			1		70	1			3					5	0
5	H	3	107	37.49	D	0	27	73	5	1		1					9	5					73	2			2		1	1		6	1
5	H	4	50	38.42	D	2	50	48	30			1	1		1		8	4			1		48	2			2		2			32	0
5	H	6	75	41.67	D	2	45	53	25			2		2	1		8	4					53	2			2		1			29	0
6	H	1	50	43.5	M	2	19	79	1	5	4						8	4					75	2			1					1	9
6	H	2	60	45.1	M	40	58	2		1	1						35	20					1	2			30		10			0	2
6	H	2	85	45.35	D	0	32	68	2	1	1						15	8					68	2			3					2	2
6	H	3	69	46.69	M	20	70	10			1						4		84				10	1							ASH	0	1
6	H	6	40	50.9	D	2	48	50	27	3	1	2					8	4					50	2			2		1			29	4
7	H	1	90	53.4	D	0	30	70		1					1		12	4			2		70				3		5	2		0	1
7	H	1	95	53.45	M	95	5	0									60	17			2						7		7	7		0	0
7	H	3	40	55.9	M	2	30	68	4	1			1				12	6			1		68				2		3	2		5	1
8	H	1	108	63.08	M	80	10	10									40	15			5		10				10		20			0	0
8	H	2	50	63.76	D	1	25	74									12	3	1		2		74				3		5			0	0
8	H	3	65	65.41	M	85	10	5									70	10			5						5		10			0	0
9	X	1	70	72.2	D	0	15	85	1								8	3			1		85				1		1			1	0
10	X	3	57	76.37	D	1	15	84	7				1				4						84				2		2			8	0
10	X	6	60	80.7	D	1	15	84	6								3						82	1			5		3			6	0
10	X	6	115	81.25	M	70	10	20	1								30	6					20	1			12		30			1	0
11	P	1	40	82.8	M	90	10	0	1								45	24											10	20		1	0
11	P	1	59	82.99	D	6	80	14									22	14	2		2		14	1			5		30	10		0	0
11	P	1	74	83.14	D	5	73	22									36	23					22				3		10	6		0	0
12	X	1	56	84.96	M	75	20	5									40	20					5				10		25			0	0
12	X	2	27	86.17	D	0	25	75									10	4					75				5		6			0	0
13	X	1	25	93.15	M	30	65	5									43	26			3		5	3			5		15		gray silt	0	0
13	X	1	35	93.25	M	50	45	5									33	30			2		5				10		20		black silt	0	0
13	X	1	40	93.3	D	0	25	75							1		12	7					75	1			2		2			0	0
14	X	1	78	103.08	D	0	29	71	6	1	1						7	5					70	3			6		1			6	2
14	X	2	75	104.55	D	0	51	49	24	3	1	5	1				7	5	1				48	1			3		1			30	4
14	X	3	141	106.71	D	25	63	12	2	1	1						36	23			2		11				10		10	4		2	2
14	X	4	120	108	M	0	25	75					1		1		11	7					75	1			3		1			1	0
15	X	1	110	112.8	D	0	22	78									12	8					78				2					0	0
15	X	1	134	113.04	M	4	92	4									44	29			4		4				3		6	10		0	0
15	X	3	71	115.34	M	83	15	2									27	18					2				3		10	40		0	0

Sample reference						Texture %			Biogenic %								Mineral %																	
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Diatoms	Foraminifers	Nannofossils	Radiolarians	Siliceous spicules & others	Silicoflagellates	Organic debris	Shell debris	Quartz	Feldspar	Volcanic glass	Muscovite	Biotite	Glauconite	Clay minerals	Carbonate	Calcite	Dolomite	Opaques	Pyrite	Accessory minerals	Rock fragments	Comments	Biocenig opal	Foram nanno
Hole B (continued)																																	
16	X	1	82	122.12	M	0	28	72	8								9	6					72	1			4					8	0
16	X	1	130	122.6	D	4	57	39	40	5	1		2				6	4					38	1			3					42	6
16	X	6	28	126.93	M	0	10	90	2		2						2	1						88			3		2		unlithified carb cement (xenomorph crystals 3 µm diameter)	2	2
16	X	7	91	129.06	D	0	38	62	15	4	2	2	1				6	4					60	2			3		1			18	6
17	E	1	24	130.14	D	2	30	68	15								6	4			2		68	2			3					15	0
17	E	1	42	130.32	M	15	85	0	5								35	23	2		8			2			5		15	5		5	0
18	X	1	108	131.98	D	0	69	31	20		5	1					16	14			2		31	2			4		5			21	5
18	X	2	33	132.73	M	0	41	59	17			1					8	4					59	3			6		2			18	0
19	X	1	100	141.5	D	0	24	76	10		60	1	1			1	5						13				1	6	2			12	60
19	X	2	144	143.44	D	0	49	51	2		30						20	14					20				4		10			2	30
19	X	3	2	143.52	M	15	60	25	1	5	20						30	16					5				4		19			1	25
19	X	5	21	145.51	M	2	68	30			2		1				40	10			1		30				2	4	10			1	2
20	X	2	49	152.19	D	2	40	58			1						29	10			2		58				2		8			0	1
20	X	4	122	155.06	M	60	20	20	3	1	2		2		1	1	35	15			3		20				2		5	10		5	3
20	X	6	45	157.29	D	0	40	60	20	1	3		5		1		5	1			1		60				1		2			25	4
21	X	3	17	161.98	D	1	19	80	1	1	2						9	4					80				2		1			1	3
21	X	CC	19	162.44	M	85	10	5									50	21			3		2				7		10	7		0	0
22	Y	1	7	169.47	D	2	33	65	4		1						9	6			2		64	2			4		8			4	1
23	X	2	25	172.15	M	90	10	0									55	21									4		10	10		0	0
23	X	2	29	172.19	D	2	25	73	1	1	1				1		12	4			1		73				2		4			1	2
24	X	1	62	179.62	D	0	49	51	20	3	1	2	1		1		7	3			1		59				1		1			23	4
24	X	2	68	181.07	M	45	40	15	4	40	2						20	6			1		15	2			2		3	5		4	42
24	X	4	34	183.61	D	1	65	34	50		1		1		1		5	3			1		34				2		2			51	1
25	X	1	31	189.11	D	7	30	63	12	4			1		1		10	2			1		63	1			1		2	2		13	4
25	X	CC	12	189.36	D	2	30	68	15	1			2		1		7	2			1		68				1		2			17	1
26	E	1	13	197.53	D	2	73	25									32	27	4		2		25	2			4		4			0	0
28	P	1	11	206.21	D	0	40	60									18	12					60				2		8			0	0
Hole C																																	
1	X	2	21	190.51	D	3	40	57	15				4		1		15	4			1		57				2		1			19	0
1	X	2	74	191.04	D	5	30	65	8	1							18	4					65				1		3			8	1
1	X	CC	18	191.99	M	30	65	5									50	18			3		5				7		10	7		0	0
2	X	CC	4	198.87	D	0	15	85							1		9	3					85				1		1			0	0
2	X	CC	22	199.05	M	25	60	15									50	17			4		15				2		7	5		0	0
3	X	CC	5	203.25	D	5	30	65	3						1		18	3			3		65				2		5			3	0
4	X	1	38	208.38	D	0	24	76									13	6					76				3		2			0	0
4	X	4	29	211.21	M	2	96	2									50	23			5		2				5		15			0	0
6	X	3	51	220.9	D	1	38	61	1						1		15	10			3		61				4		5			1	0
6	X	4	17	221.68	M	85	15	0									35	22									6		22	15		0	0
6	X	4	100	222.51	M	0	24	76							2		11	8			1		76						2			0	0
7	X	2	100	229.7	D	0	31	69							1		12	8			2		69	1			3		4			0	0
7	X	3	70	230.9	D	2	17	81									6	4			1		81				3		5			0	0
7	X	6	81	233.48	M	48	52	0									29	20			3			1			11		28	8		0	0
8	X	1	88	237.68	D	0	29	71									12	8			2		71	2			3	2				0	0
8	X	5	123.5	243.04	M	0	80	20									3										96		1		crushed fragment of round black concretion	0	0
8	X	7	60	245.4	M	75	20	5									40	20					5				5		30			0	0
9	X	1	57	247.07	D	1	15	84									9	3					84				2		2			0	0
9	X	1	105	247.55	M	75	20	5									50	15			3		5				4		23			0	0
9	X	7	62	255.4	M	65	30	5									45	10					5				4		36			0	0

Sample reference						Texture %			Biogenic %								Mineral %																		
Core	Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Diatoms	Foraminifers	Nannofossils	Radiolarians	Siliceous spicules & others	Silicoflagellates	Organic debris	Shell debris	Quartz	Feldspar	Volcanic glass	Muscovite	Biotite	Glauconite	Clay minerals	Carbonate	Calcite	Dolomite	Opaques	Pyrite	Accessory minerals	Rock fragments	Comments	Biocenig opal	Foram nanno
Hole C (continued)																																		
10	P	1	75	256.85	D	1	25	74							1		15	6			1		74				1		2			0	0
10	P	1	87	256.97	M	3	60	37		2					1		30	10			7		37				3		7	3		0	2
11	X	1	41	257.51	M	30	60	10									55	15			2		10				3		8	7		0	0
11	X	1	97	258.07	D	0	30	70							1		14	5			3		70				2		5			0	0
12	X	1	20	266	D	0	20	80							1		11	3			2		80				1		2			0	0
12	X	4	96	271.13	M	5	80	15					1		2		40	19			5		15				3		15			1	0
12	X	CC	11	272.56	D	0	40	60	2	1					1		18	5			5		60				3		5			2	1
13	X	1	12	275.52	D	2	30	68									15	5			2		68	2			3		5			0	0
13	X	2	13	275.71	D	10	85	5									50	19			3		5				3		20			0	0
14	X	3	17	286.87	D	2	25	73									12	3			5		73				2		5			0	0
15	X	1	57	295.27	D	0	24	76									8	7			1		76	2			2		4			0	0
15	X	4	33	298.76	M	0	90	10									50	20			4		10	3			3		10			0	0
Hole D																																		
1	H	2	50	2	D	0	44	56	26			1	1	1	1		7	3					56	1			2		1			29	0
1	H	2	112	2.62	M	50	35	15	4	2							40	22			1		15				7		7	2		4	2