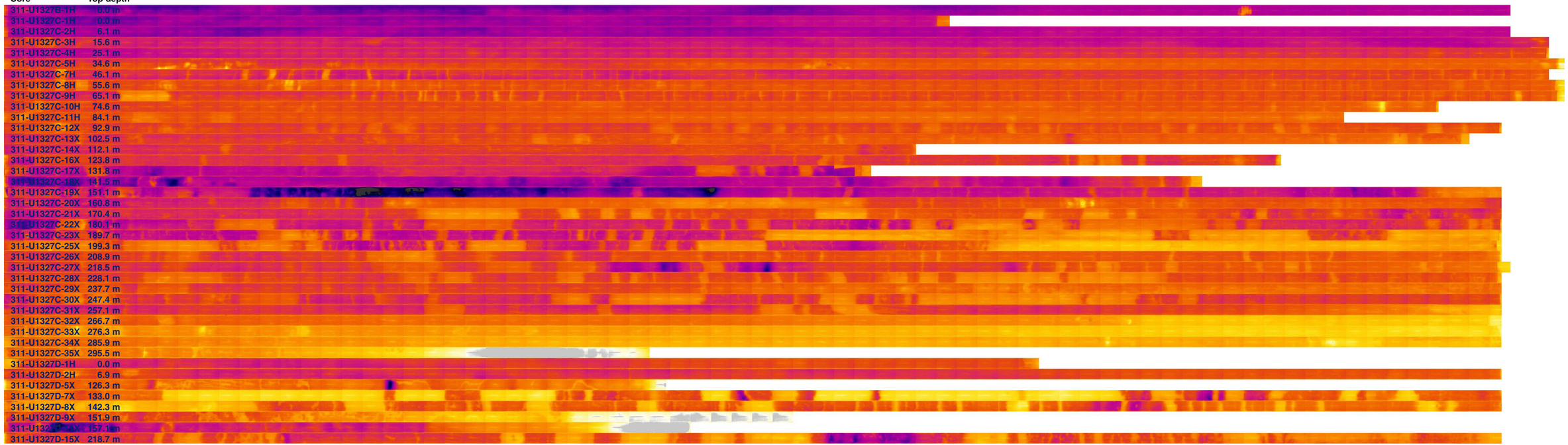
Expedition 311 Site U1327 composite infrared image

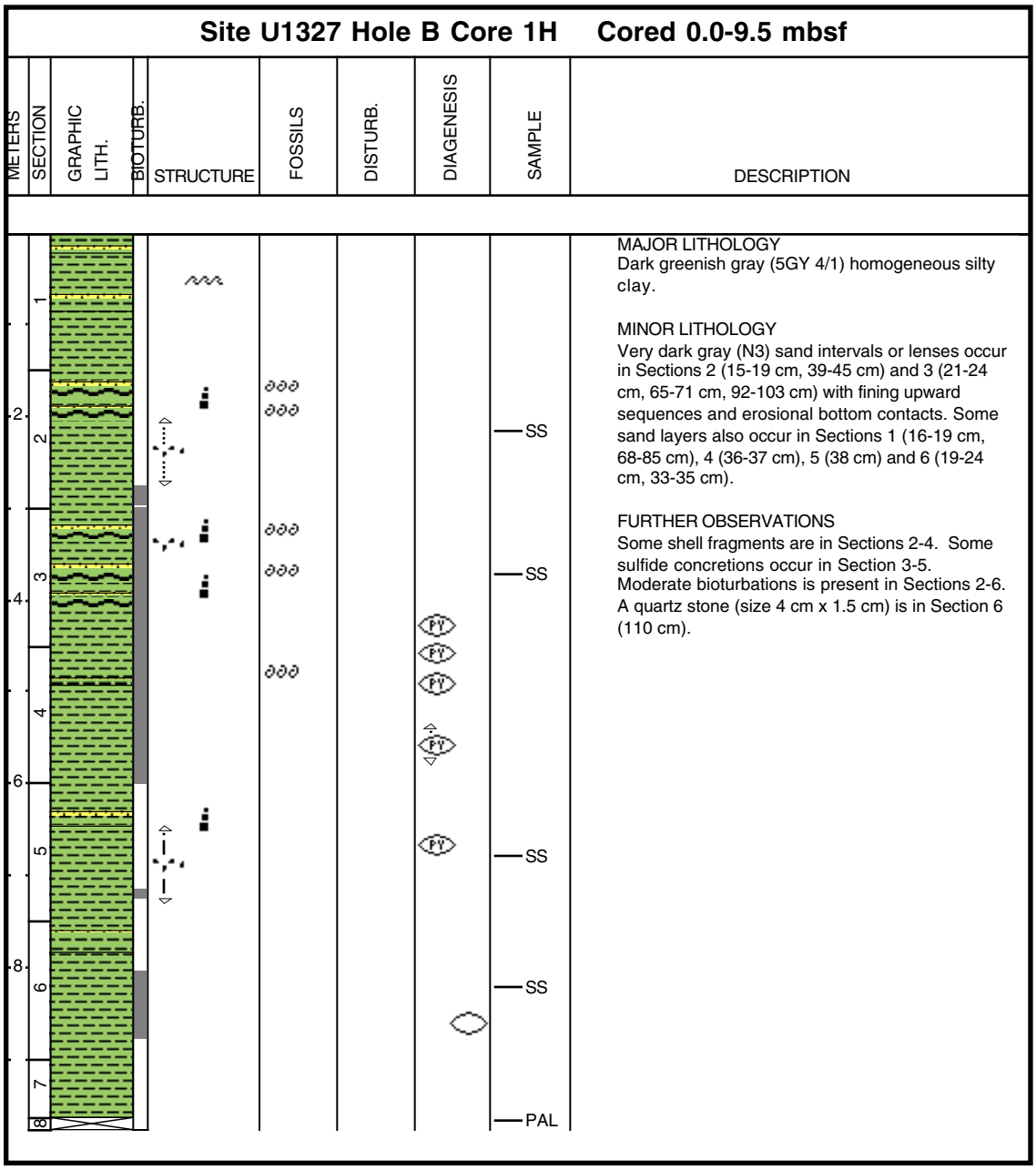
Select the core name to view its individual infrared image.

4° Temperature scale (°C) 15°

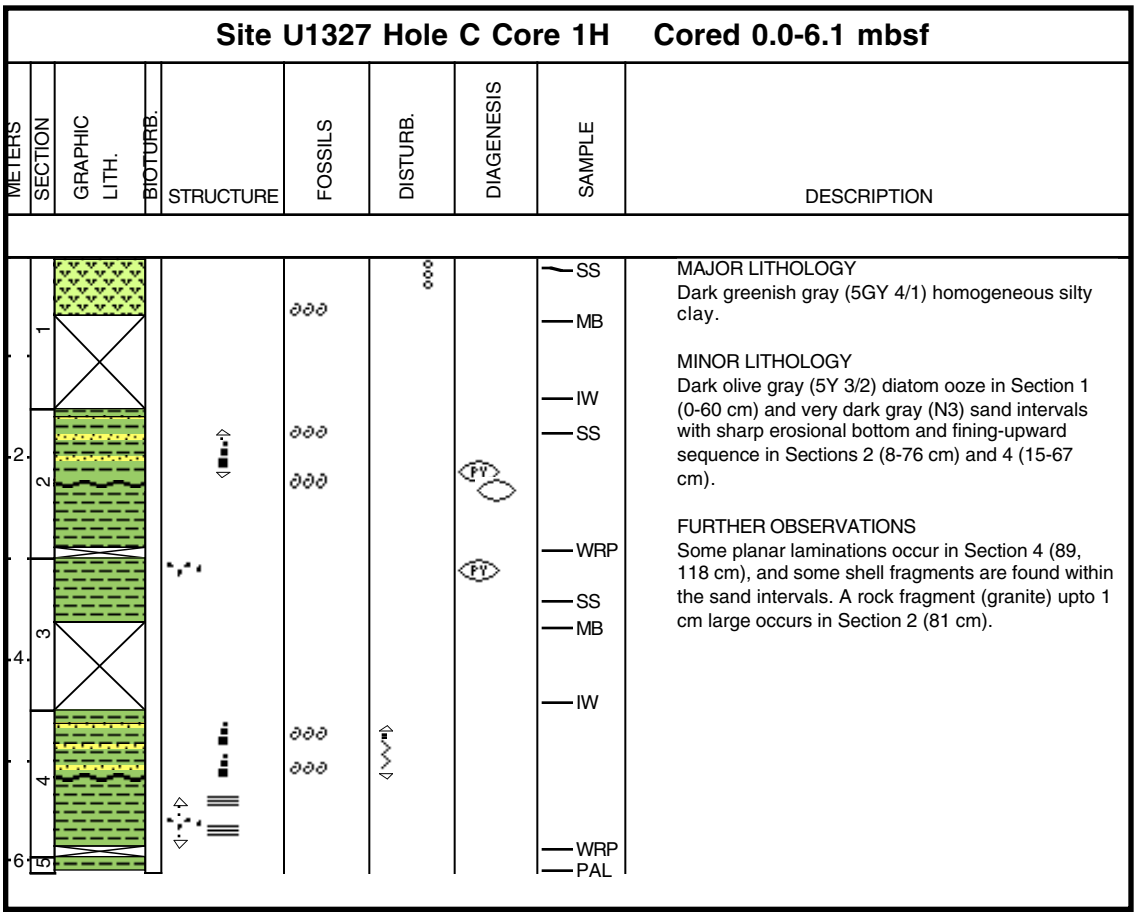
Core	Top depth
311-U1327B-1H	0.0 m
311-U1327C-1H	0.0 m
311-U1327C-2H	6.1 m
311-U1327C-3H	15.6 m
311-U1327C-4H	25.1 m
311-U1327C-5H	34.6 m
311-U1327C-7H	46.1 m
311-U1327C-8H	55.6 m
311-U1327C-9H	65.1 m
311-U1327C-10H	74.6 m
311-U1327C-11H	84.1 m
311-U1327C-12X	92.9 m
311-U1327C-13X	102.5 m
311-U1327C-14X	112.1 m
311-U1327C-16X	123.8 m
311-U1327C-17X	131.8 m
311-U1327C-18X	141.5 m
311-U1327C-19X	151.1 m
311-U1327C-20X	160.8 m
311-U1327C-21X	170.4 m
311-U1327C-22X	180.1 m
311-U1327C-23X	189.7 m
311-U1327C-25X	199.3 m
311-U1327C-26X	208.9 m
311-U1327C-27X	218.5 m
311-U1327C-28X	228.1 m
311-U1327C-29X	237.7 m
311-U1327C-30X	247.4 m
311-U1327C-31X	257.1 m
311-U1327C-32X	266.7 m
311-U1327C-33X	276.3 m
311-U1327C-34X	285.9 m
311-U1327C-35X	295.5 m
311-U1327D-1H	0.0 m
311-U1327D-2H	6.9 m
311-U1327D-5X	126.3 m
311-U1327D-7X	133.0 m
311-U1327D-8X	142.3 m
311-U1327D-9X	151.9 m
311-U1327D-12X	157.1 m
311-U1327D-15X	218.7 m



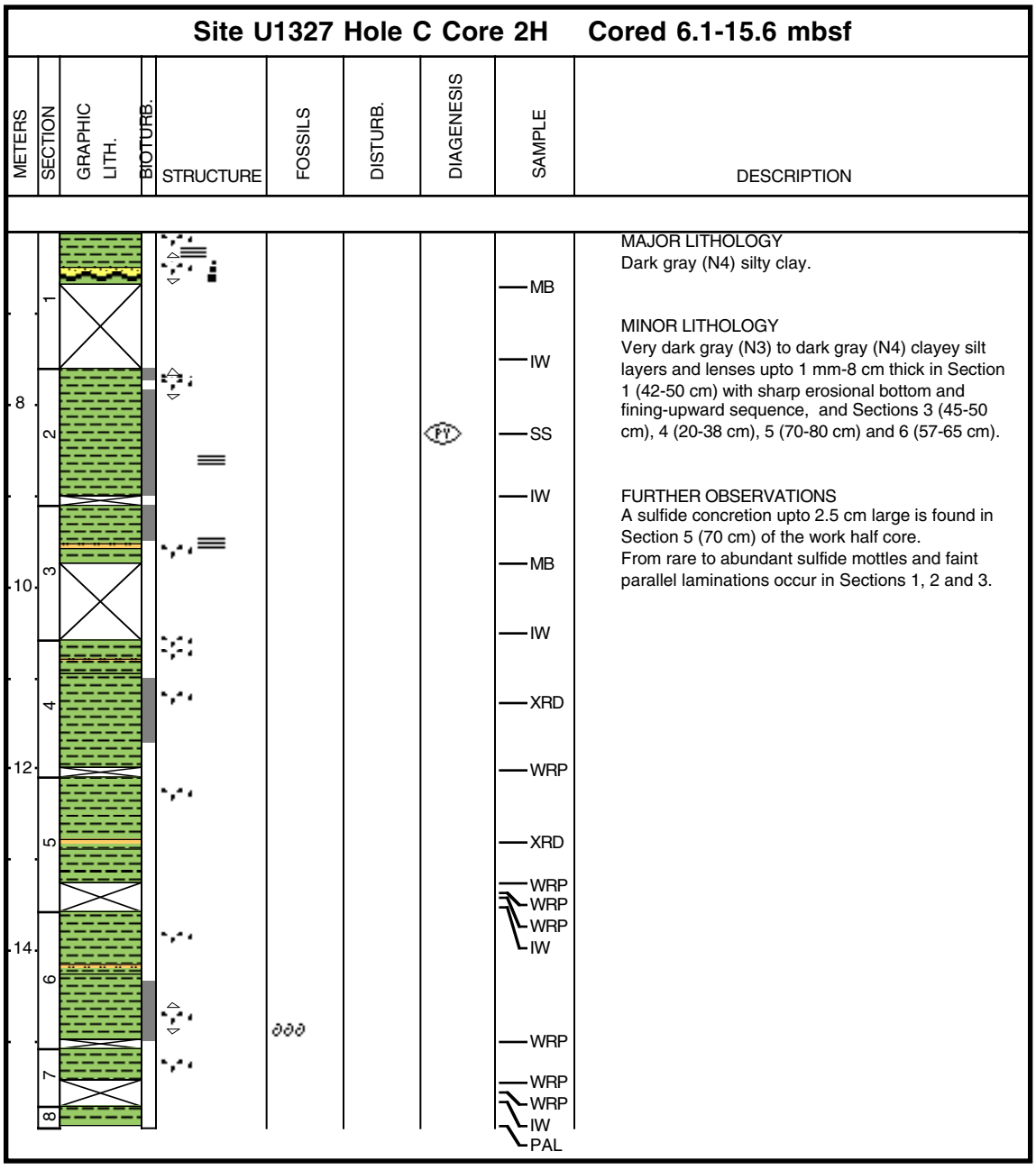
Core Photo


Site U1327 Hole B Core 1H Cored 0.0-9.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
SS
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay.
MINOR LITHOLOGY
Very dark gray (N3) sand intervals or lenses occur in Sections 2 (15-19 cm, 39-45 cm) and 3 (21-24 cm, 65-71 cm, 92-103 cm) with fining upward sequences and erosional bottom contacts. Some sand layers also occur in Sections 1 (16-19 cm, 68-85 cm), 4 (36-37 cm), 5 (38 cm) and 6 (19-24 cm, 33-35 cm).
FURTHER OBSERVATIONS
Some shell fragments are in Sections 2-4. Some sulfide concretions occur in Section 3-5.
Moderate bioturbations is present in Sections 2-6.
A quartz stone (size 4 cm x 1.5 cm) is in Section 6 (110 cm).

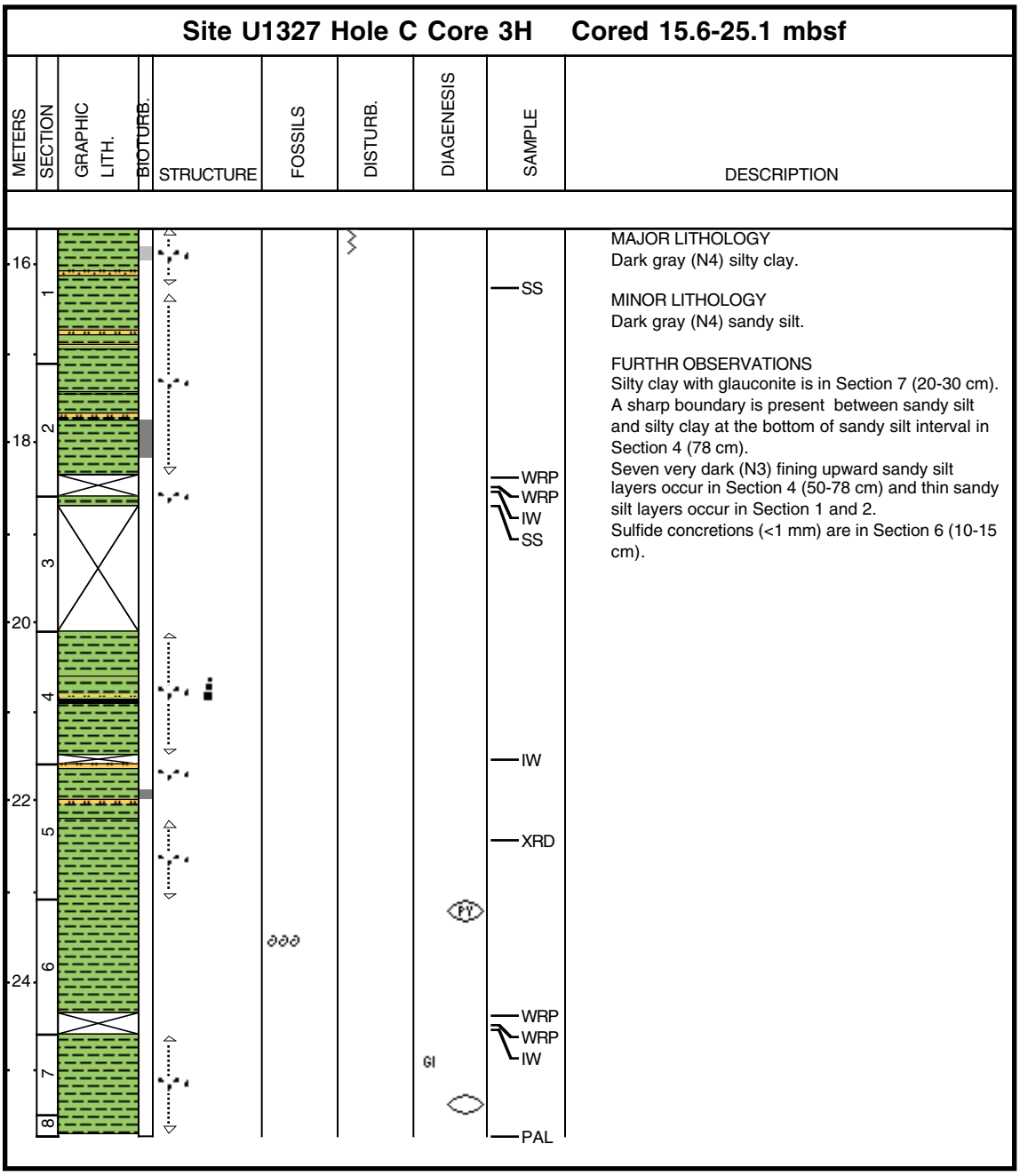
Core Photo


Site U1327 Hole C Core 1H Cored 0.0-6.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
SS
MB
IW
SS
WRP
SS
MB
IW
WRP
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay.
MINOR LITHOLOGY
Dark olive gray (5Y 3/2) diatom ooze in Section 1 (0-60 cm) and very dark gray (N3) sand intervals with sharp erosional bottom and fining-upward sequence in Sections 2 (8-76 cm) and 4 (15-67 cm).
FURTHER OBSERVATIONS
Some planar laminations occur in Section 4 (89, 118 cm), and some shell fragments are found within the sand intervals. A rock fragment (granite) upto 1 cm large occurs in Section 2 (81 cm).

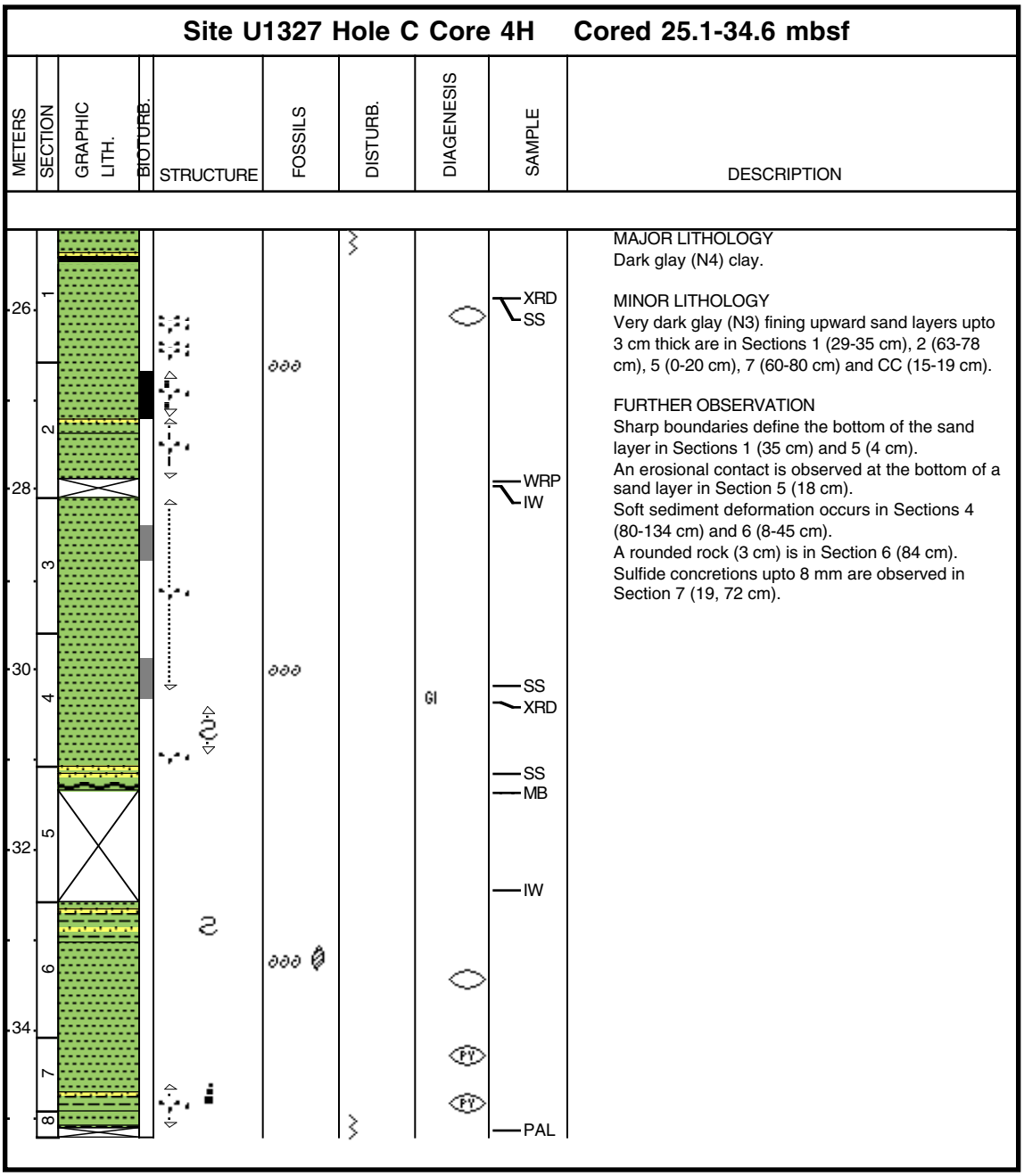
Core Photo


Site U1327 Hole C Core 2H Cored 6.1-15.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
8
10
12
14
1
2
3
4
5
6
7
8
PY
MB
IW
SS
IW
MB
IW
XRD
WRP
XRD
WRP
WRP
WRP
IW
WRP
WRP
WRP
IW
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Very dark gray (N3) to dark gray (N4) clayey silt layers and lenses upto 1 mm-8 cm thick in Section 1 (42-50 cm) with sharp erosional bottom and fining-upward sequence, and Sections 3 (45-50 cm), 4 (20-38 cm), 5 (70-80 cm) and 6 (57-65 cm).
FURTHER OBSERVATIONS
A sulfide concretion upto 2.5 cm large is found in Section 5 (70 cm) of the work half core.
From rare to abundant sulfide mottles and faint parallel laminations occur in Sections 1, 2 and 3.

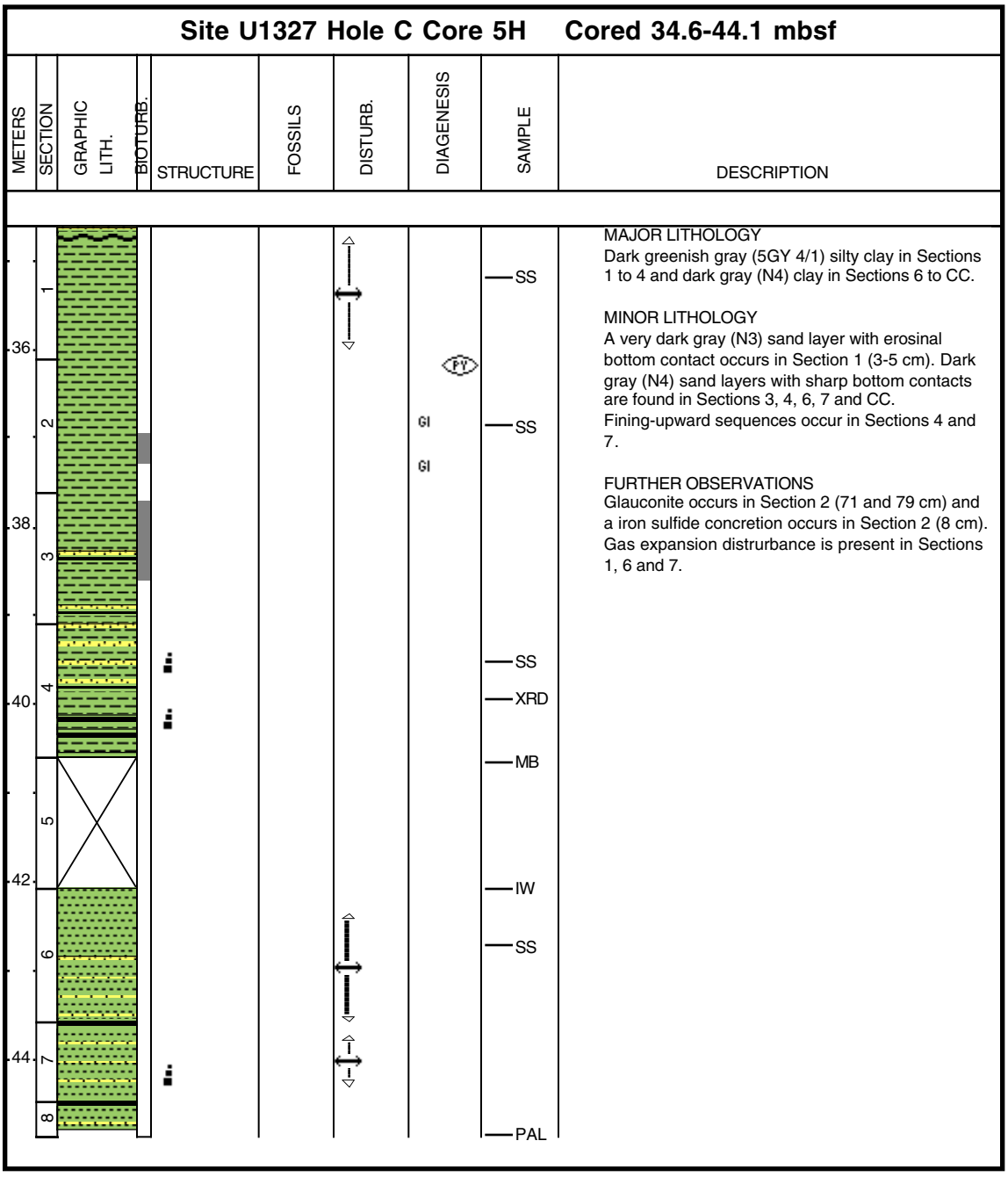
Core Photo


Site U1327 Hole C Core 3H Cored 15.6-25.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
16
18
20
22
24
1
2
3
4
5
6
7
8
SS
WRP
WRP
IW
SS
IW
XRD
PY
WRP
WRP
IW
GI
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark gray (N4) sandy silt.
FURTHR OBSERVATIONS
Silty clay with glauconite is in Section 7 (20-30 cm).
A sharp boundary is present between sandy silt and silty clay at the bottom of sandy silt interval in Section 4 (78 cm).
Seven very dark (N3) fining upward sandy silt layers occur in Section 4 (50-78 cm) and thin sandy silt layers occur in Section 1 and 2.
Sulfide concretions (<1 mm) are in Section 6 (10-15 cm).

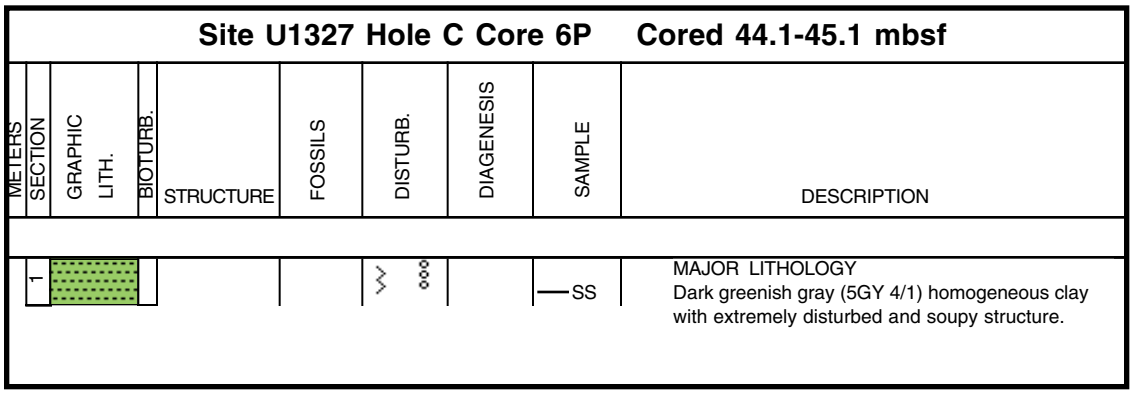
Core Photo


Site U1327 Hole C Core 4H Cored 25.1-34.6 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
XRD
SS
WRP
IW
SS
XRD
SS
MB
IW
PAL
GI
PY
PY
MAJOR LITHOLOGY
Dark glay (N4) clay.
MINOR LITHOLOGY
Very dark glay (N3) fining upward sand layers upto 3 cm thick are in Sections 1 (29-35 cm), 2 (63-78 cm), 5 (0-20 cm), 7 (60-80 cm) and CC (15-19 cm).
FURTHER OBSERVATION
Sharp boundaries define the bottom of the sand layer in Sections 1 (35 cm) and 5 (4 cm).
An erosional contact is observed at the bottom of a sand layer in Section 5 (18 cm).
Soft sediment deformation occurs in Sections 4 (80-134 cm) and 6 (8-45 cm).
A rounded rock (3 cm) is in Section 6 (84 cm).
Sulfide concretions upto 8 mm are observed in Section 7 (19, 72 cm).

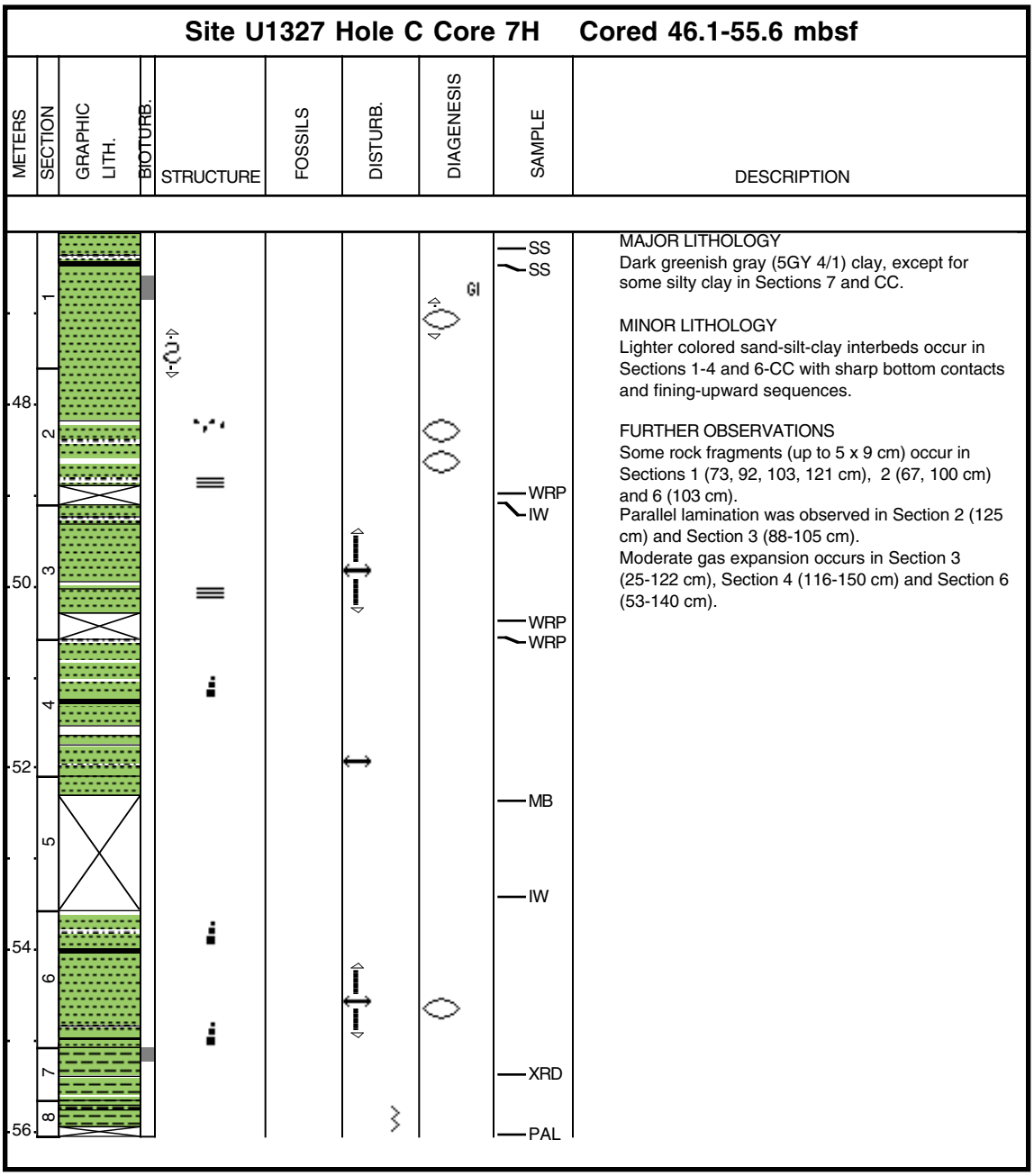
Core Photo


Site U1327 Hole C Core 5H Cored 34.6-44.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
36
38
40
42
44
1
2
3
4
5
6
7
8
SS
PV
GI
GI
SS
SS
XRD
MB
IW
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay in Sections 1 to 4 and dark gray (N4) clay in Sections 6 to CC.
MINOR LITHOLOGY
A very dark gray (N3) sand layer with erosinal bottom contact occurs in Section 1 (3-5 cm). Dark gray (N4) sand layers with sharp bottom contacts are found in Sections 3, 4, 6, 7 and CC.
Fining-upward sequences occur in Sections 4 and 7.
FURTHER OBSERVATIONS
Glauconite occurs in Section 2 (71 and 79 cm) and a iron sulfide concretion occurs in Section 2 (8 cm).
Gas expansion distrurbance is present in Sections 1, 6 and 7.

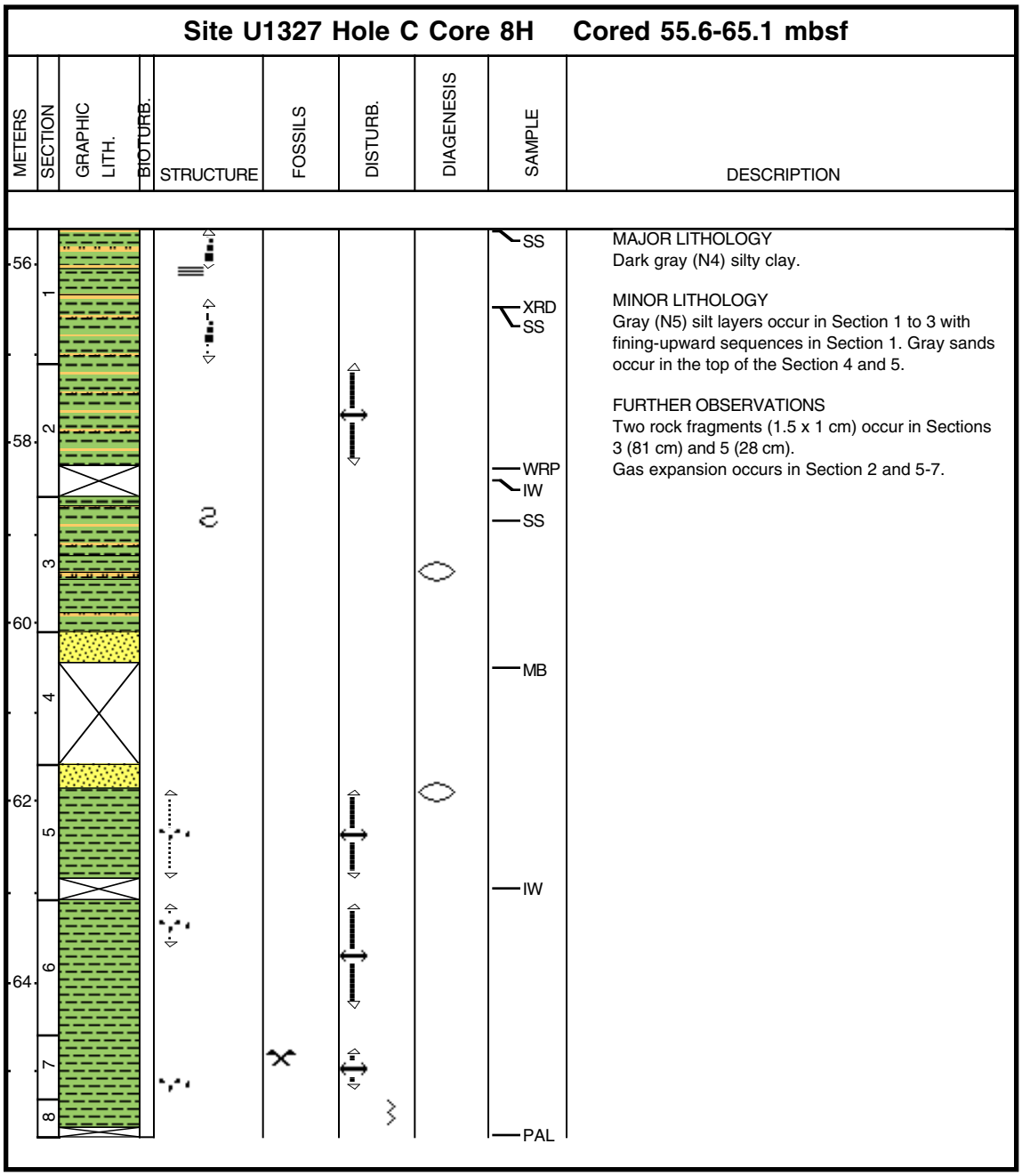
Core Photo


Site U1327 Hole C Core 6P Cored 44.1-45.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
SS
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous clay with extremely disturbed and soupy structure.

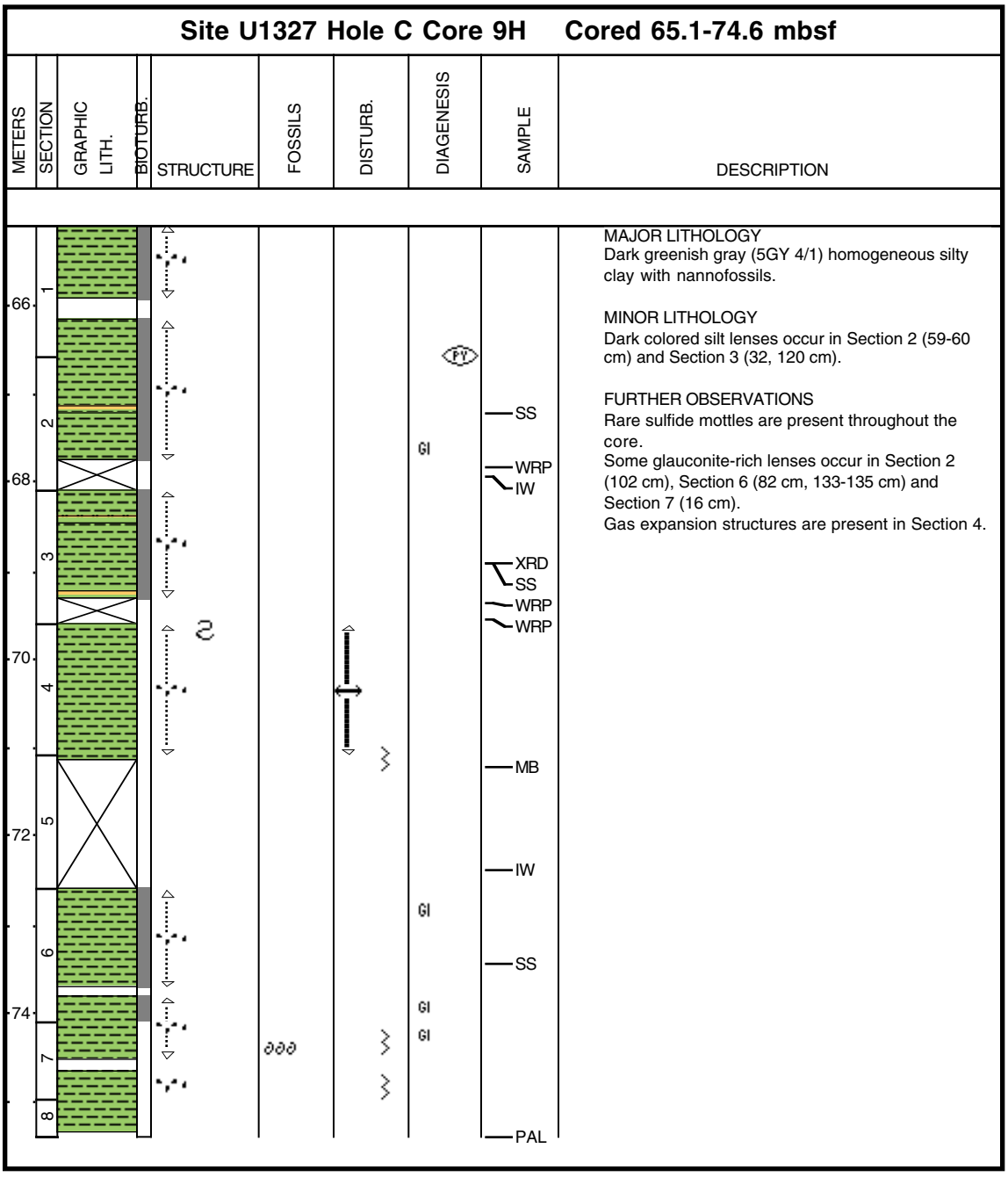
Core Photo


Site U1327 Hole C Core 7H Cored 46.1-55.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
48
50
52
54
56
1
2
3
4
5
6
7
8
SS
SS
GI
WRP
IW
WRP
WRP
MB
IW
XRD
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) clay, except for some silty clay in Sections 7 and CC.
MINOR LITHOLOGY
Lighter colored sand-silt-clay interbeds occur in Sections 1-4 and 6-CC with sharp bottom contacts and fining-upward sequences.
FURTHER OBSERVATIONS
Some rock fragments (up to 5 x 9 cm) occur in Sections 1 (73, 92, 103, 121 cm), 2 (67, 100 cm) and 6 (103 cm).
Parallel lamination was observed in Section 2 (125 cm) and Section 3 (88-105 cm).
Moderate gas expansion occurs in Section 3 (25-122 cm), Section 4 (116-150 cm) and Section 6 (53-140 cm).

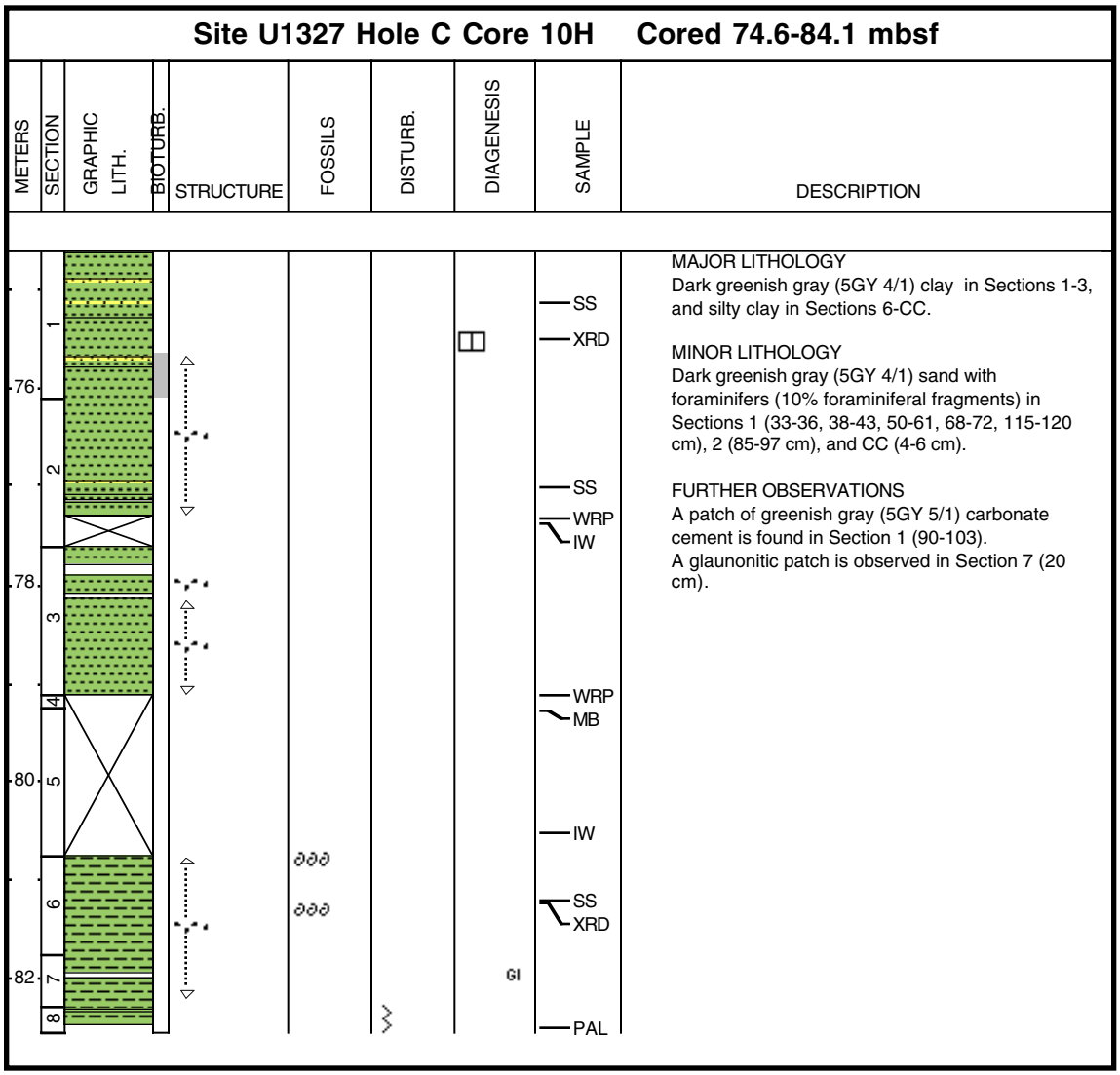
Core Photo


Site U1327 Hole C Core 8H Cored 55.6-65.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
56
58
60
62
64
1
2
3
4
5
6
7
8
SS
XRD
SS
WRP
IW
SS
MB
IW
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Gray (N5) silt layers occur in Section 1 to 3 with fining-upward sequences in Section 1. Gray sands occur in the top of the Section 4 and 5.
FURTHER OBSERVATIONS
Two rock fragments (1.5 x 1 cm) occur in Sections 3 (81 cm) and 5 (28 cm).
Gas expansion occurs in Section 2 and 5-7.

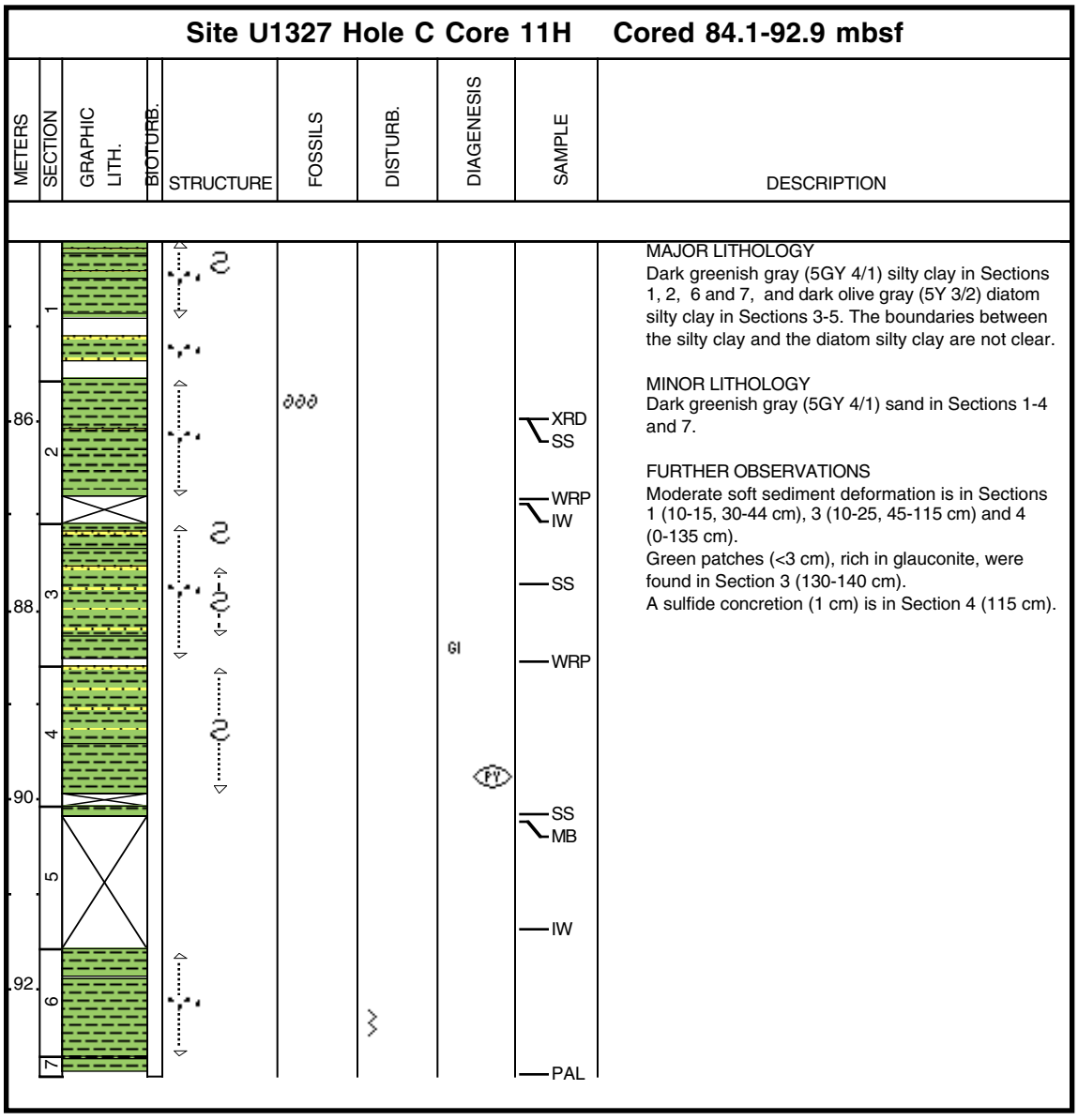
Core Photo


Site U1327 Hole C Core 9H Cored 65.1-74.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
66
68
70
72
74
1
2
3
4
5
6
7
8
PY
GI
GI
GI
GI
SS
WRP
IW
XRD
SS
WRP
WRP
MB
IW
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay with nannofossils.
MINOR LITHOLOGY
Dark colored silt lenses occur in Section 2 (59-60 cm) and Section 3 (32, 120 cm).
FURTHER OBSERVATIONS
Rare sulfide mottles are present throughout the core.
Some glauconite-rich lenses occur in Section 2 (102 cm), Section 6 (82 cm, 133-135 cm) and Section 7 (16 cm).
Gas expansion structures are present in Section 4.

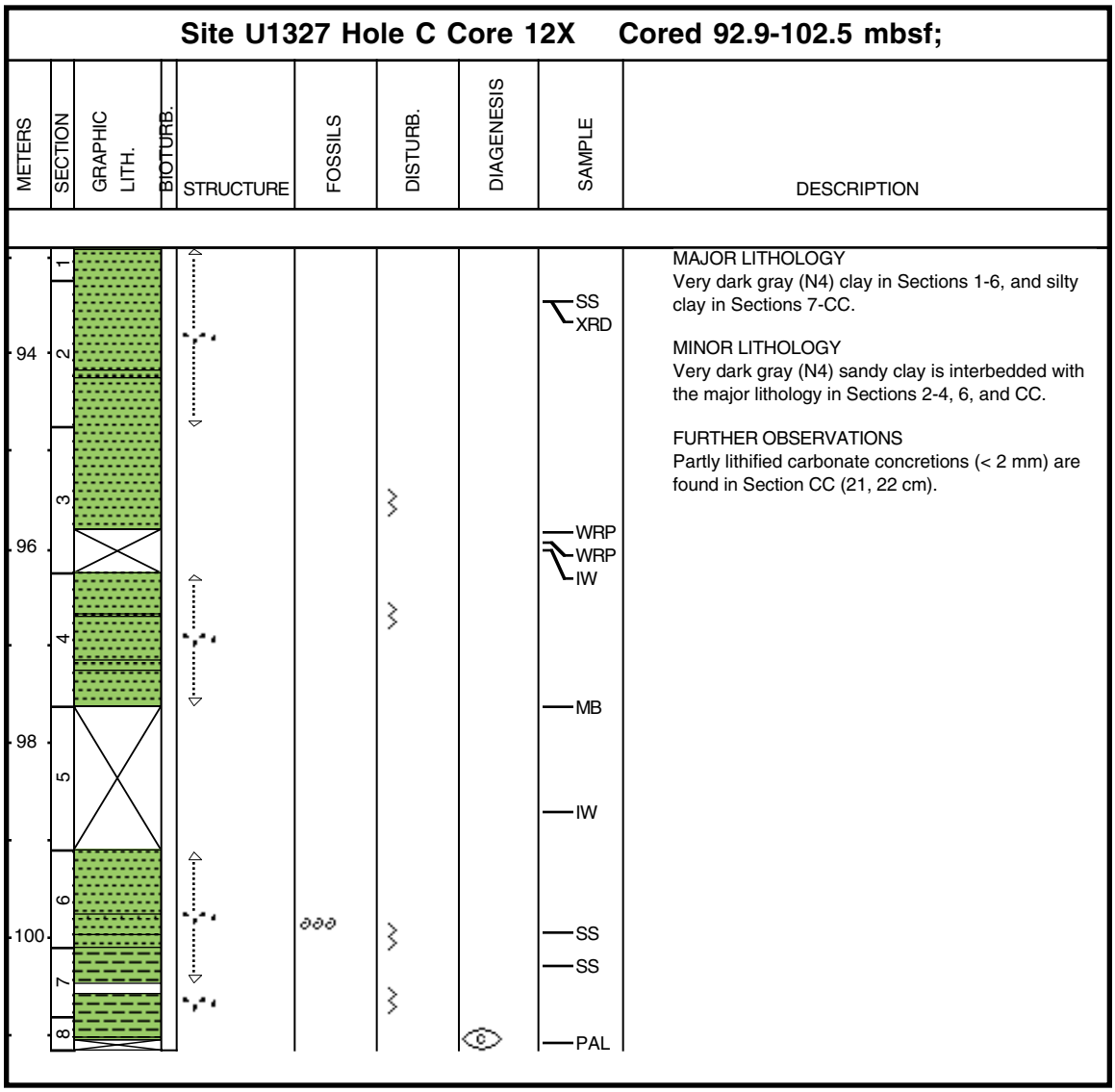
Core Photo


Site U1327 Hole C Core 10H Cored 74.6-84.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
76
78
80
82
1
2
3
4
5
6
7
8
SS
XRD
SS
WRP
IW
WRP
MB
IW
SS
XRD
GI
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) clay in Sections 1-3, and silty clay in Sections 6-CC.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) sand with foraminifers (10% foraminiferal fragments) in Sections 1 (33-36, 38-43, 50-61, 68-72, 115-120 cm), 2 (85-97 cm), and CC (4-6 cm).
FURTHER OBSERVATIONS
A patch of greenish gray (5GY 5/1) carbonate cement is found in Section 1 (90-103).
A glaunonitic patch is observed in Section 7 (20 cm).

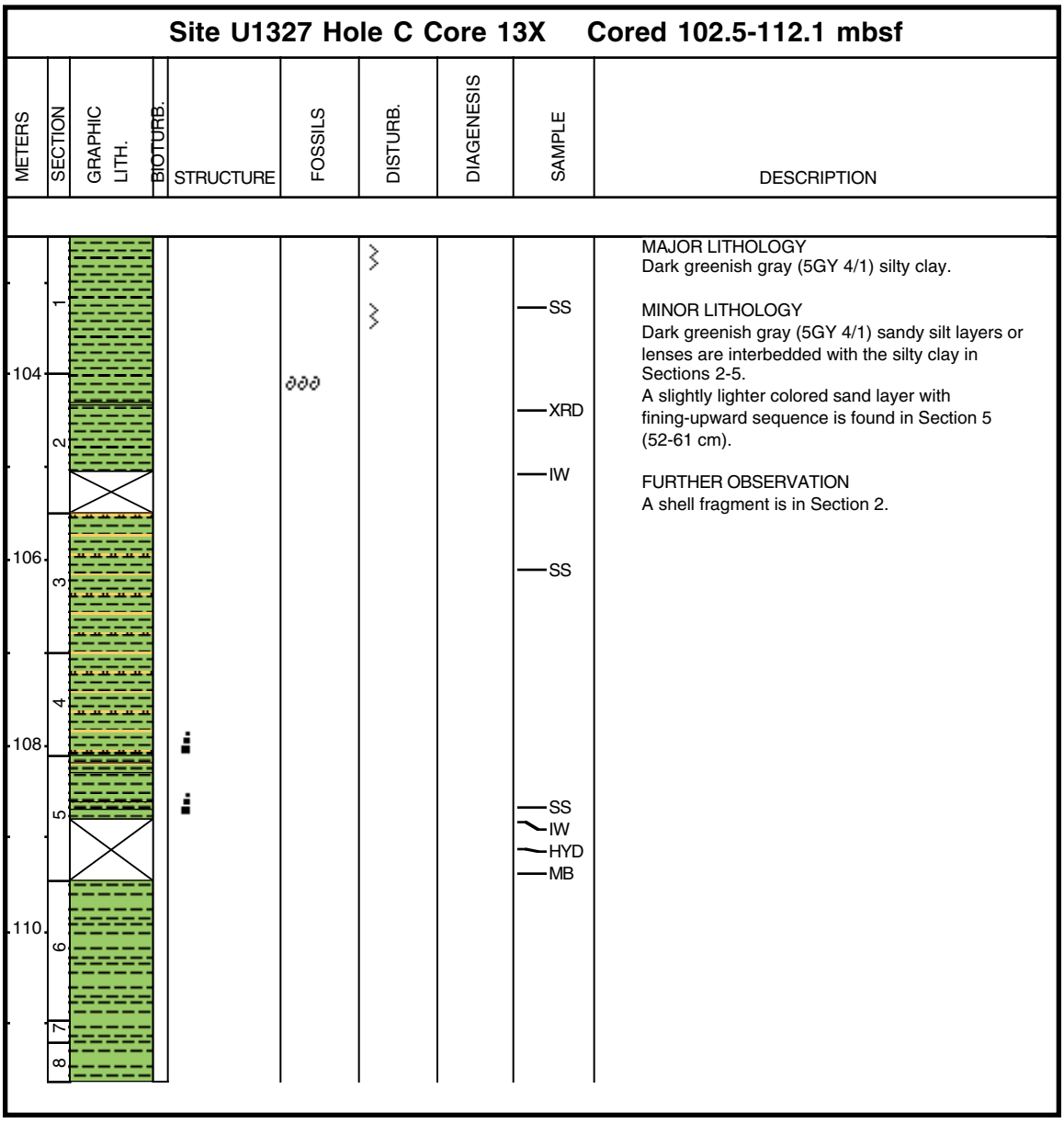
Core Photo


Site U1327 Hole C Core 11H Cored 84.1-92.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
86
88
90
92
1
2
3
4
5
6
7
GI
PY
XRD
SS
WRP
IW
SS
WRP
SS
MB
IW
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay in Sections 1, 2, 6 and 7, and dark olive gray (5Y 3/2) diatom silty clay in Sections 3-5. The boundaries between the silty clay and the diatom silty clay are not clear.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) sand in Sections 1-4 and 7.
FURTHER OBSERVATIONS
Moderate soft sediment deformation is in Sections 1 (10-15, 30-44 cm), 3 (10-25, 45-115 cm) and 4 (0-135 cm).
Green patches (<3 cm), rich in glauconite, were found in Section 3 (130-140 cm).
A sulfide concretion (1 cm) is in Section 4 (115 cm).

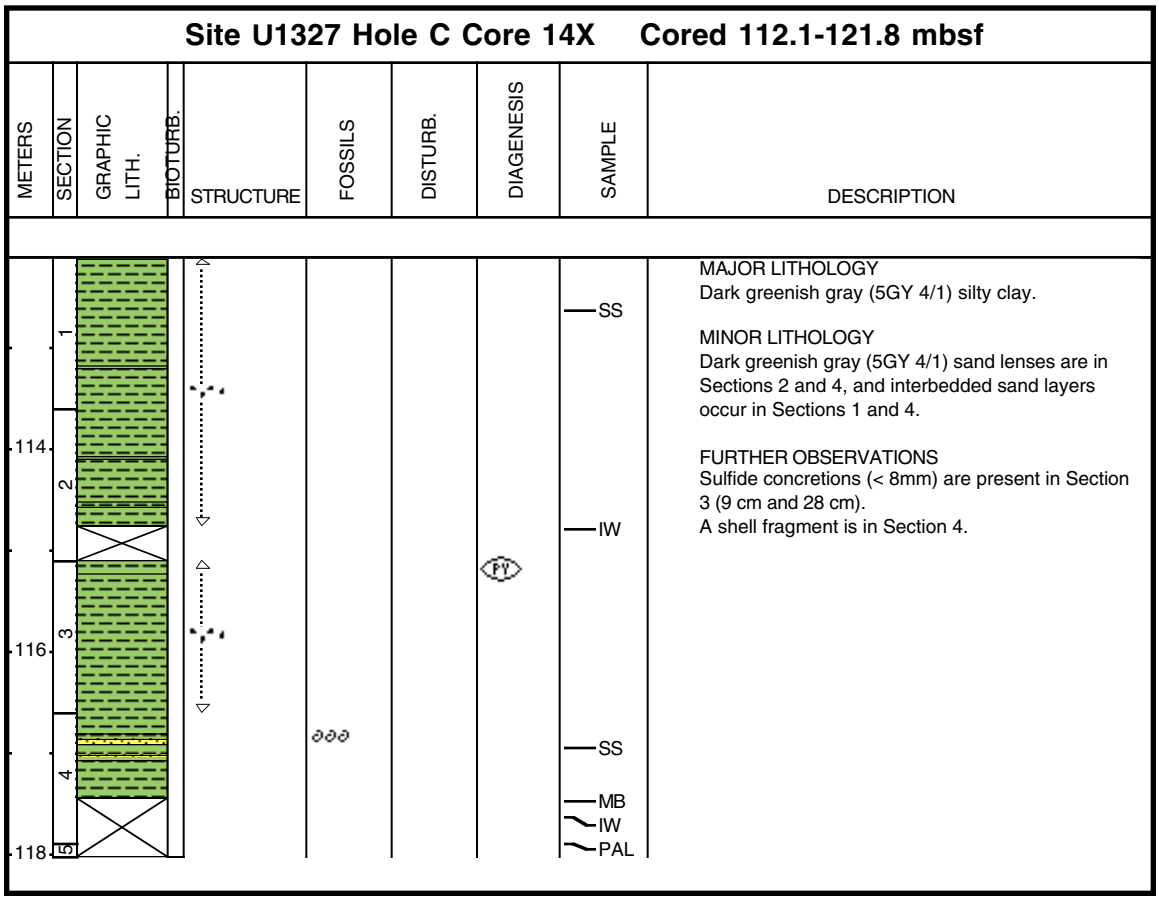
Core Photo


Site U1327 Hole C Core 12X Cored 92.9-102.5 mbsf;
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
94
96
98
100
1
2
3
4
5
6
7
8
SS
XRD
WRP
WRP
IW
MB
IW
SS
SS
PAL
MAJOR LITHOLOGY
Very dark gray (N4) clay in Sections 1-6, and silty clay in Sections 7-CC.
MINOR LITHOLOGY
Very dark gray (N4) sandy clay is interbedded with the major lithology in Sections 2-4, 6, and CC.
FURTHER OBSERVATIONS
Partly lithified carbonate concretions (< 2 mm) are found in Section CC (21, 22 cm).

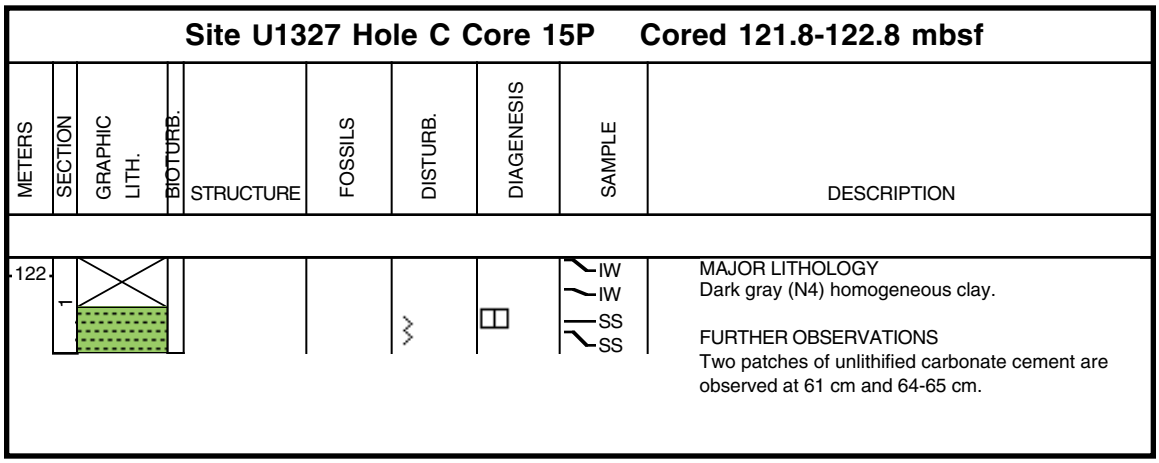
Core Photo


Site U1327 Hole C Core 13X Cored 102.5-112.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
104
106
108
110
1
2
3
4
5
6
7
8
SS
XRD
IW
SS
SS
IW
HYD
MB
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) sandy silt layers or lenses are interbedded with the silty clay in Sections 2-5.
A slightly lighter colored sand layer with fining-upward sequence is found in Section 5 (52-61 cm).
FURTHER OBSERVATION
A shell fragment is in Section 2.

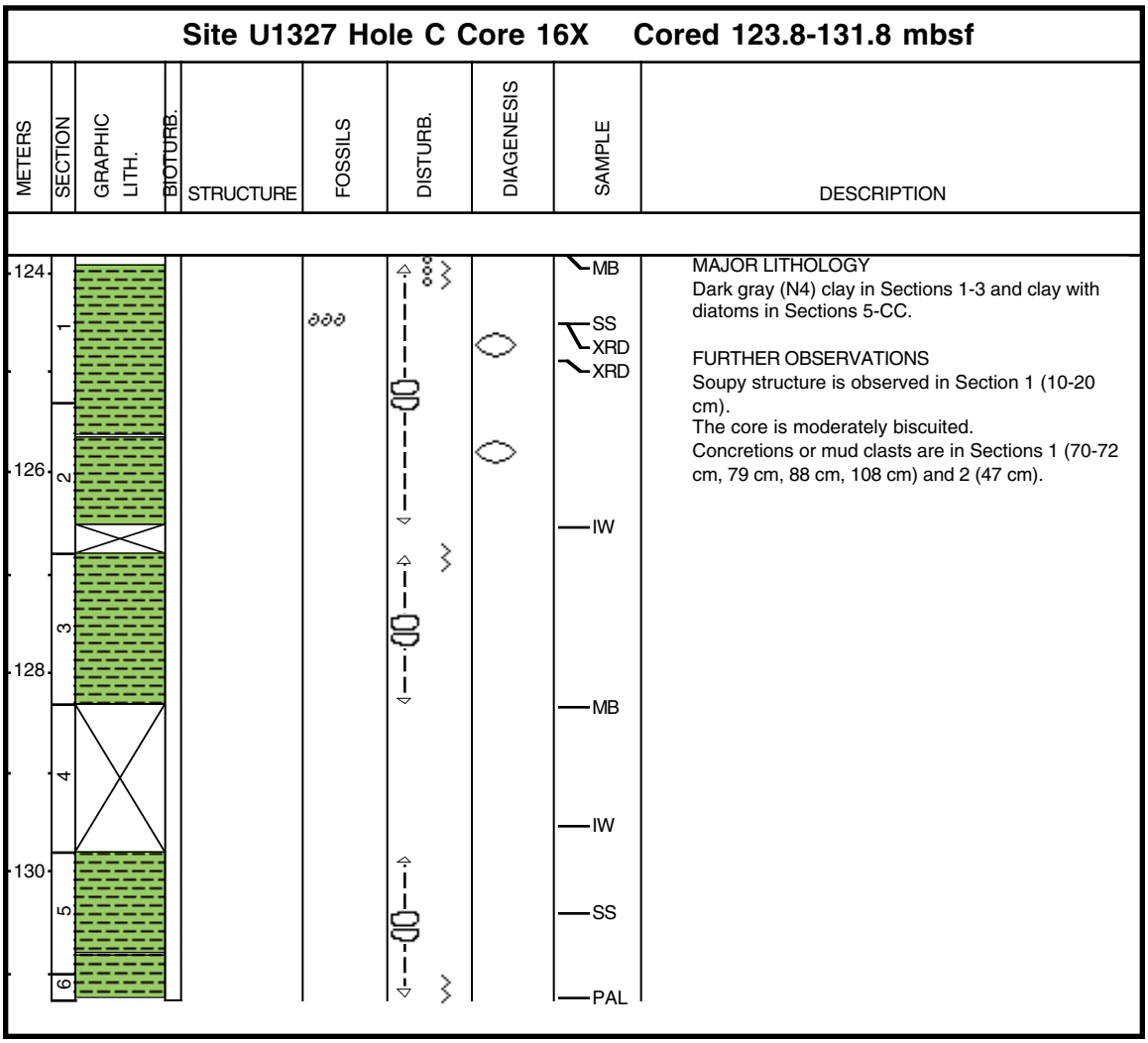
Core Photo


Site U1327 Hole C Core 14X Cored 112.1-121.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
114
116
118
1
2
3
4
5
SS
IW
PY
SS
MB
IW
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) sand lenses are in Sections 2 and 4, and interbedded sand layers occur in Sections 1 and 4.
FURTHER OBSERVATIONS
Sulfide concretions (< 8mm) are present in Section 3 (9 cm and 28 cm).
A shell fragment is in Section 4.

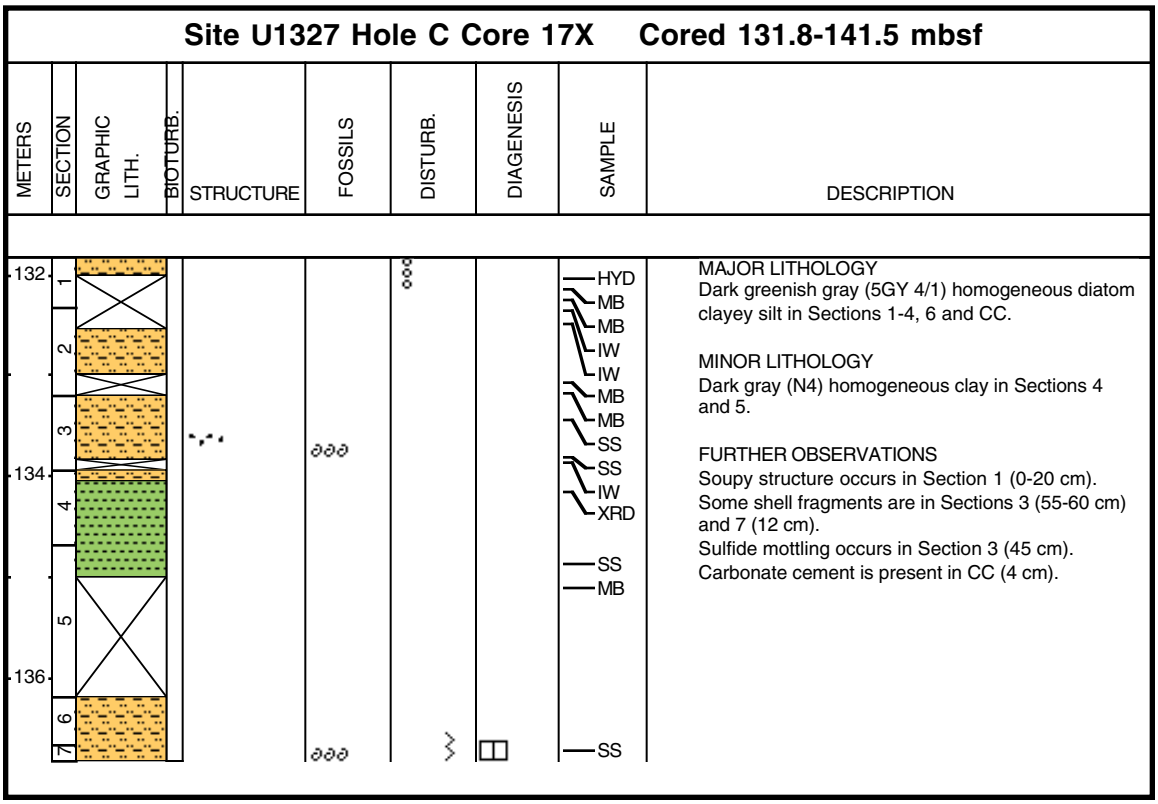
Core Photo


Site U1327 Hole C Core 15P Cored 121.8-122.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
122
1
IW
IW
SS
SS
MAJOR LITHOLOGY
Dark gray (N4) homogeneous clay.
FURTHER OBSERVATIONS
Two patches of unlithified carbonate cement are observed at 61 cm and 64-65 cm.

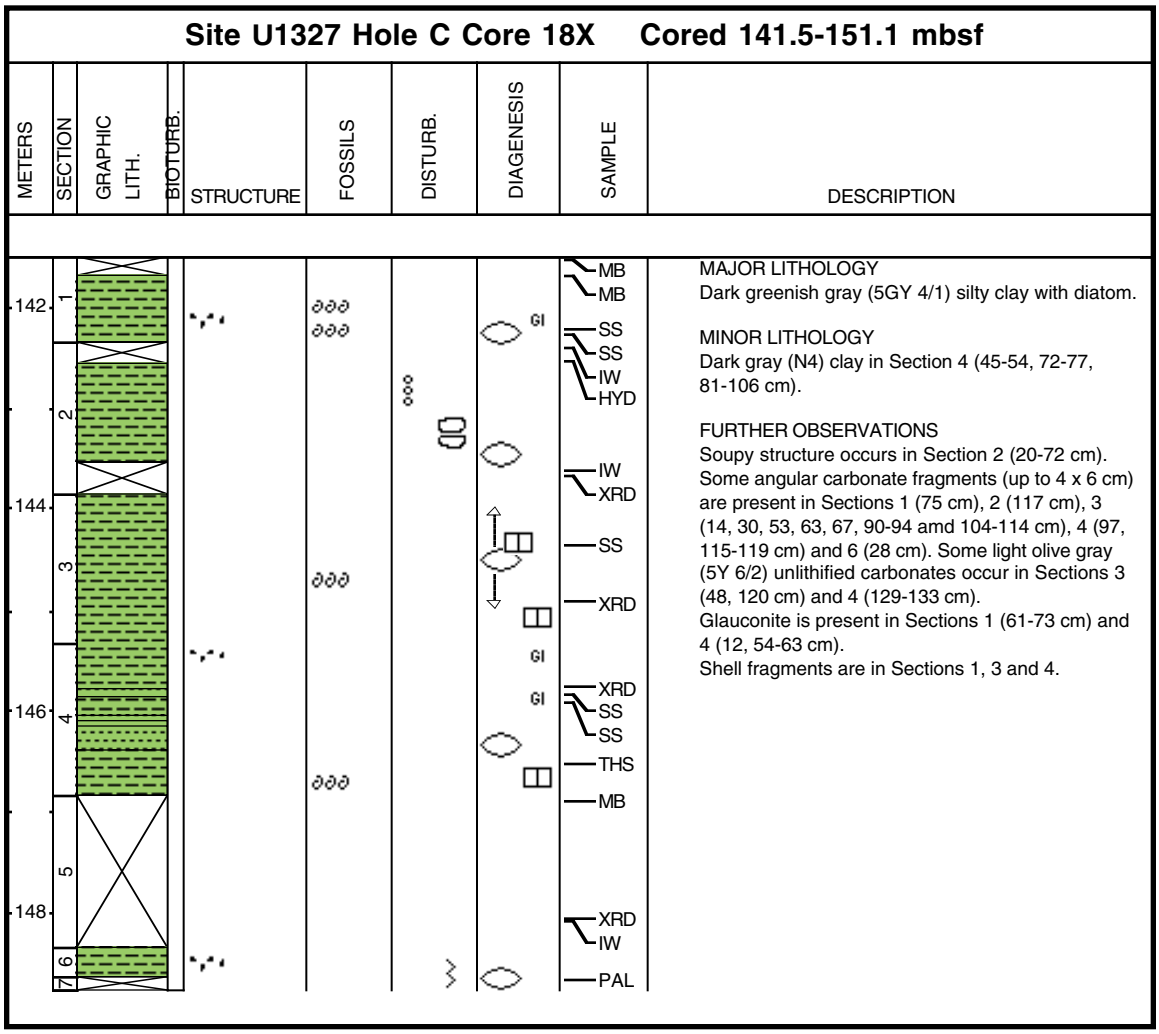
Core Photo


Site U1327 Hole C Core 16X Cored 123.8-131.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
124
126
128
130
1
2
3
4
5
6
MB
SS
XRD
XRD
IW
MB
IW
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) clay in Sections 1-3 and clay with diatoms in Sections 5-CC.
FURTHER OBSERVATIONS
Soupy structure is observed in Section 1 (10-20 cm).
The core is moderately biscuited.
Concretions or mud clasts are in Sections 1 (70-72 cm, 79 cm, 88 cm, 108 cm) and 2 (47 cm).

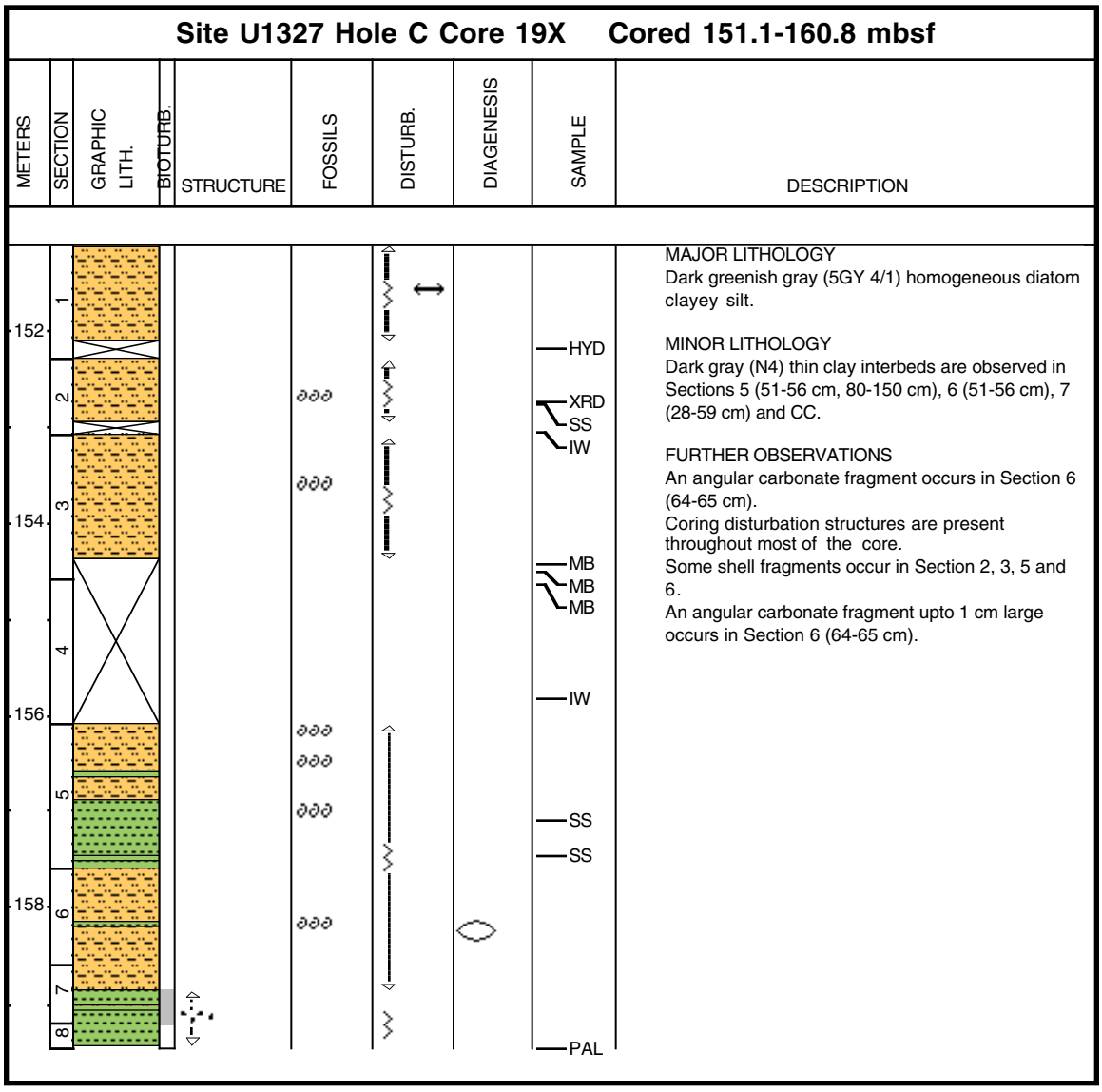
Core Photo


Site U1327 Hole C Core 17X Cored 131.8-141.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
132
134
136
1
2
3
4
5
6
7
HYD
MB
MB
IW
IW
MB
MB
SS
SS
IW
XRD
SS
MB
SS
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous diatom clayey silt in Sections 1-4, 6 and CC.
MINOR LITHOLOGY
Dark gray (N4) homogeneous clay in Sections 4 and 5.
FURTHER OBSERVATIONS
Soupy structure occurs in Section 1 (0-20 cm).
Some shell fragments are in Sections 3 (55-60 cm) and 7 (12 cm).
Sulfide mottling occurs in Section 3 (45 cm).
Carbonate cement is present in CC (4 cm).

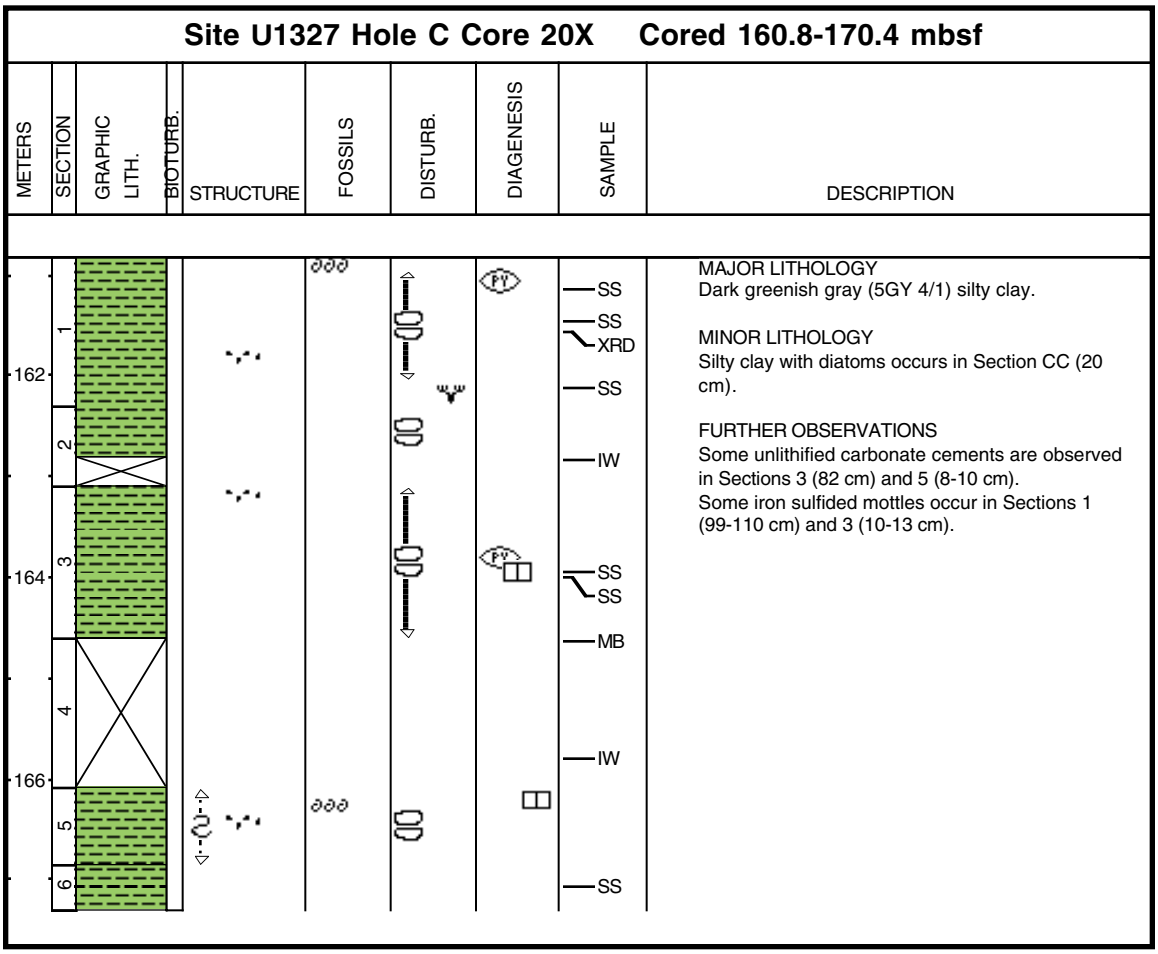
Core Photo


Site U1327 Hole C Core 18X Cored 141.5-151.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
142
144
146
148
1
2
3
4
5
6
7
MB
MB
SS
SS
IW
HYD
IW
XRD
SS
XRD
XRD
SS
SS
THS
MB
XRD
IW
PAL
GI
GI
GI
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay with diatom.
MINOR LITHOLOGY
Dark gray (N4) clay in Section 4 (45-54, 72-77, 81-106 cm).
FURTHER OBSERVATIONS
Soupy structure occurs in Section 2 (20-72 cm). Some angular carbonate fragments (up to 4 x 6 cm) are present in Sections 1 (75 cm), 2 (117 cm), 3 (14, 30, 53, 63, 67, 90-94 amd 104-114 cm), 4 (97, 115-119 cm) and 6 (28 cm). Some light olive gray (5Y 6/2) unlithified carbonates occur in Sections 3 (48, 120 cm) and 4 (129-133 cm).
Glauconite is present in Sections 1 (61-73 cm) and 4 (12, 54-63 cm).
Shell fragments are in Sections 1, 3 and 4.

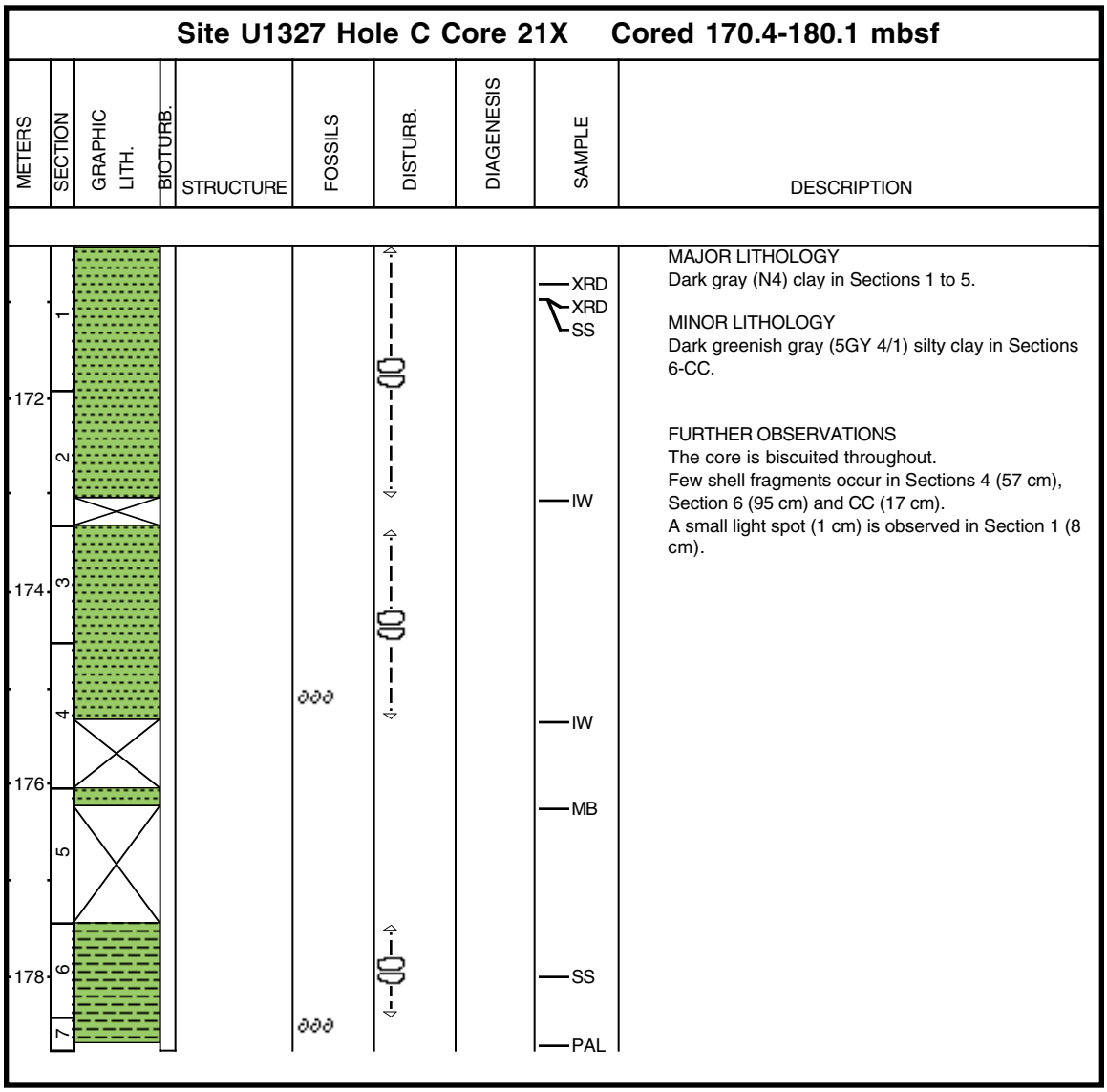
Core Photo


Site U1327 Hole C Core 19X Cored 151.1-160.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
152
154
156
158
1
2
3
4
5
6
7
8
HYD
XRD
SS
IW
MB
MB
MB
IW
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous diatom clayey silt.
MINOR LITHOLOGY
Dark gray (N4) thin clay interbeds are observed in Sections 5 (51-56 cm, 80-150 cm), 6 (51-56 cm), 7 (28-59 cm) and CC.
FURTHER OBSERVATIONS
An angular carbonate fragment occurs in Section 6 (64-65 cm).
Coring disturbation structures are present throughout most of the core.
Some shell fragments occur in Section 2, 3, 5 and 6.
An angular carbonate fragment upto 1 cm large occurs in Section 6 (64-65 cm).

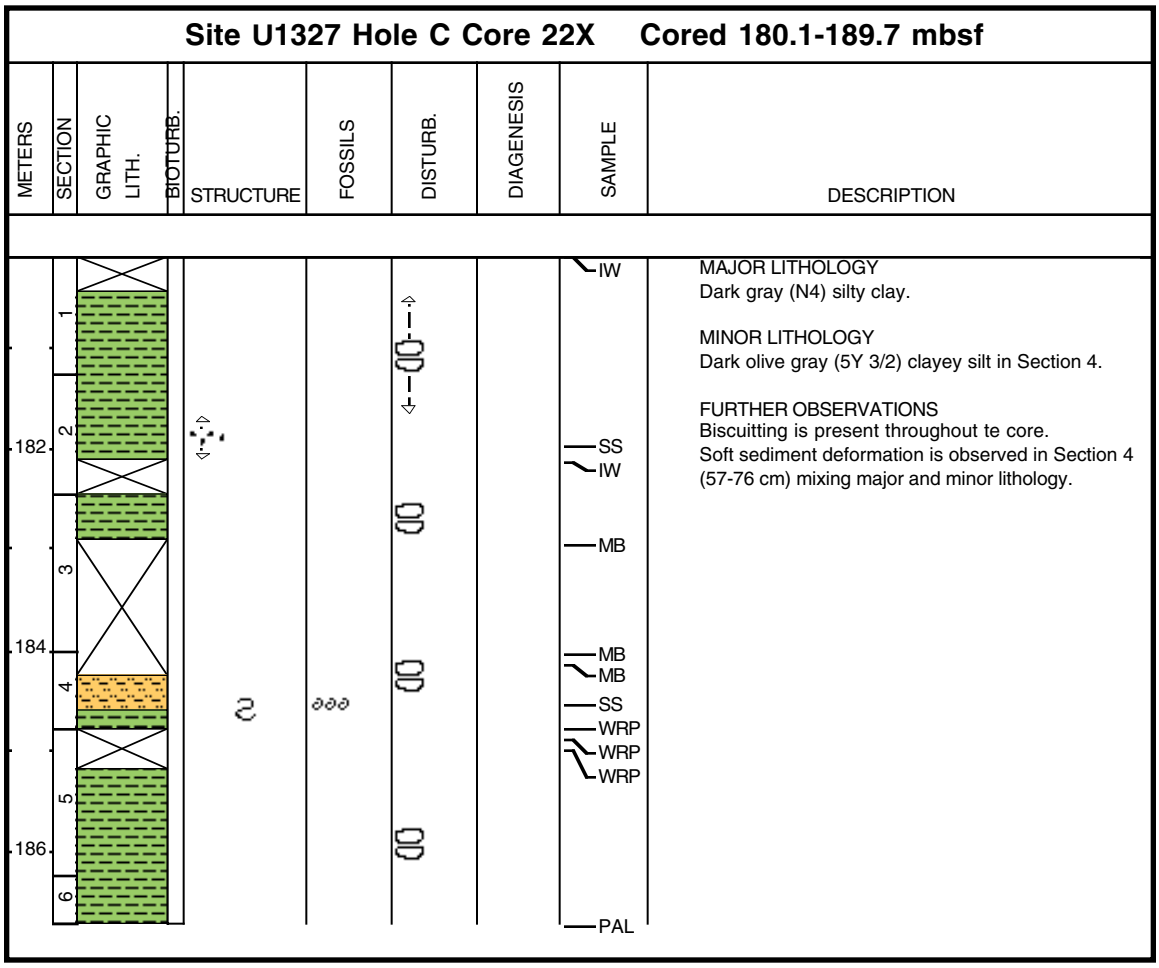
Core Photo


Site U1327 Hole C Core 20X Cored 160.8-170.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
162
164
166
1
2
3
4
5
6
SS
SS
XRD
SS
IW
SS
SS
MB
IW
SS
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay.
MINOR LITHOLOGY
Silty clay with diatoms occurs in Section CC (20 cm).
FURTHER OBSERVATIONS
Some unlithified carbonate cements are observed in Sections 3 (82 cm) and 5 (8-10 cm).
Some iron sulfided mottles occur in Sections 1 (99-110 cm) and 3 (10-13 cm).

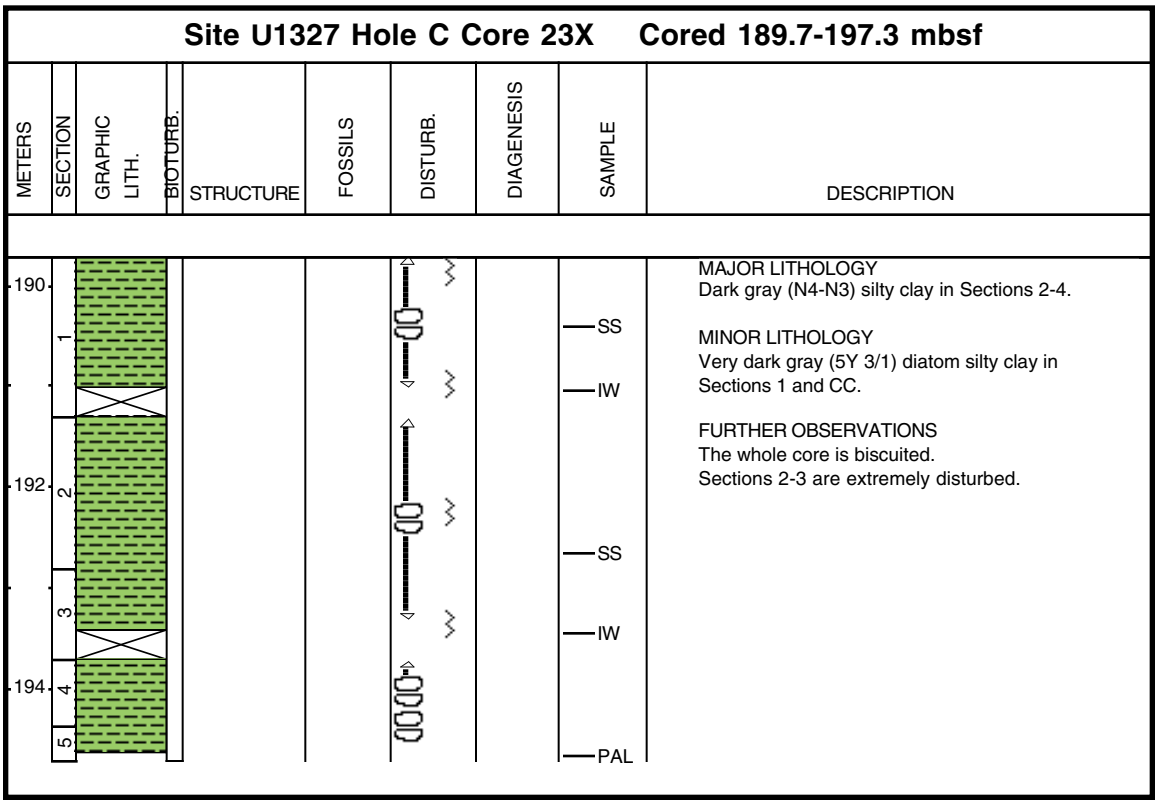
Core Photo


Site U1327 Hole C Core 21X Cored 170.4-180.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
172
174
176
178
1
2
3
4
5
6
7
XRD
XRD
SS
IW
IW
MB
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) clay in Sections 1 to 5.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay in Sections 6-CC.
FURTHER OBSERVATIONS
The core is biscuited throughout.
Few shell fragments occur in Sections 4 (57 cm), Section 6 (95 cm) and CC (17 cm).
A small light spot (1 cm) is observed in Section 1 (8 cm).

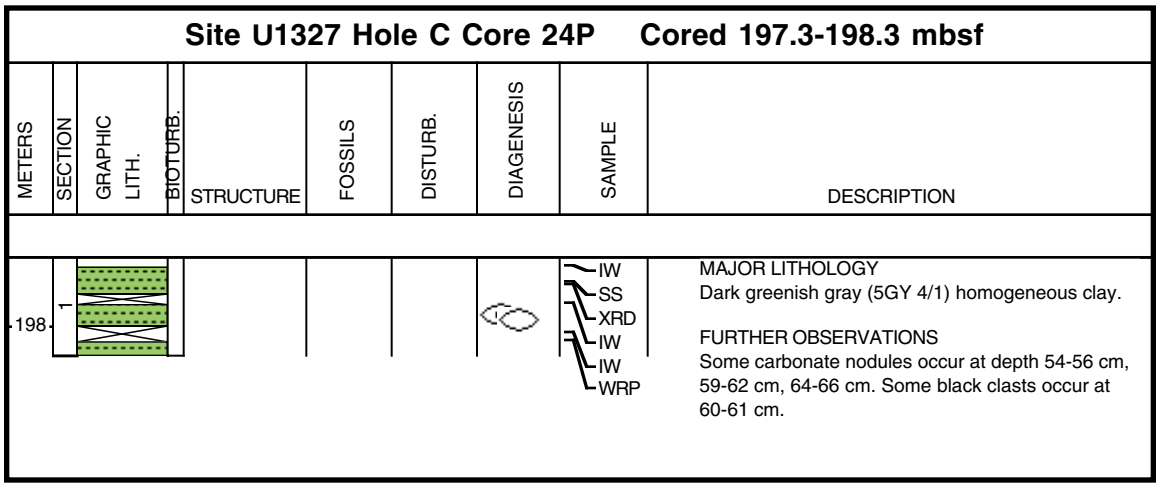
Core Photo


Site U1327 Hole C Core 22X Cored 180.1-189.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
182
184
186
1
2
3
4
5
6
IW
SS
IW
MB
MB
MB
SS
WRP
WRP
WRP
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark olive gray (5Y 3/2) clayey silt in Section 4.
FURTHER OBSERVATIONS
Biscuitting is present throughout te core.
Soft sediment deformation is observed in Section 4 (57-76 cm) mixing major and minor lithology.

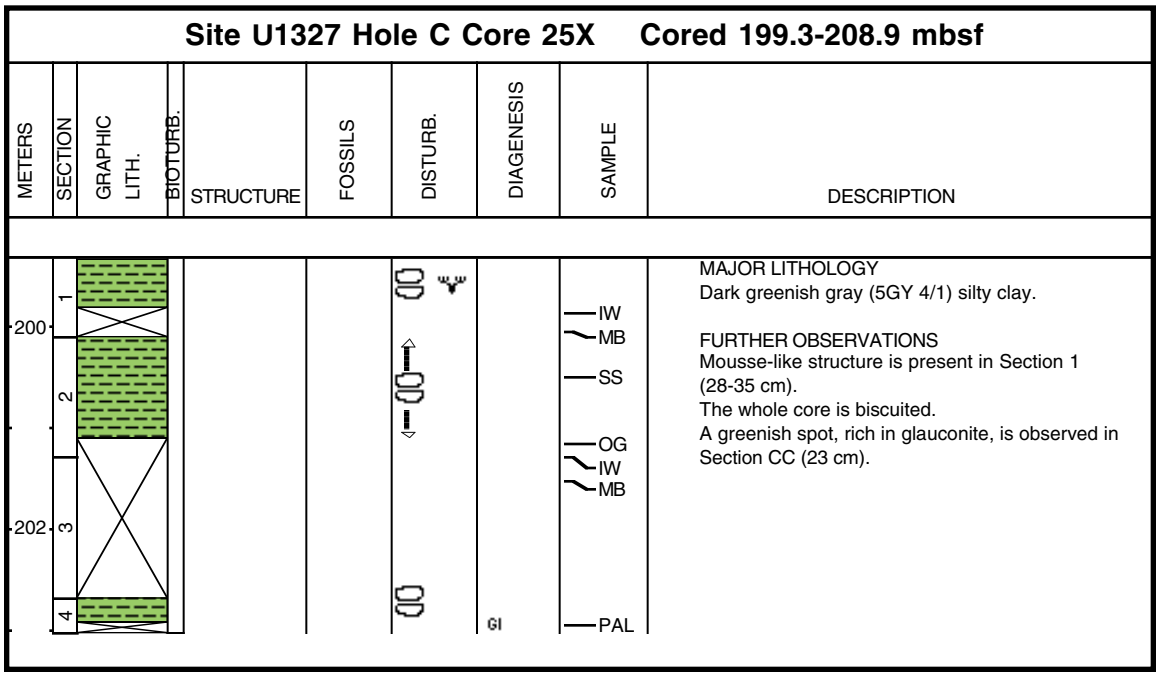
Core Photo


Site U1327 Hole C Core 23X Cored 189.7-197.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
190
192
194
1
2
3
4
5
SS
IW
SS
IW
PAL
MAJOR LITHOLOGY
Dark gray (N4-N3) silty clay in Sections 2-4.
MINOR LITHOLOGY
Very dark gray (5Y 3/1) diatom silty clay in Sections 1 and CC.
FURTHER OBSERVATIONS
The whole core is biscuited.
Sections 2-3 are extremely disturbed.

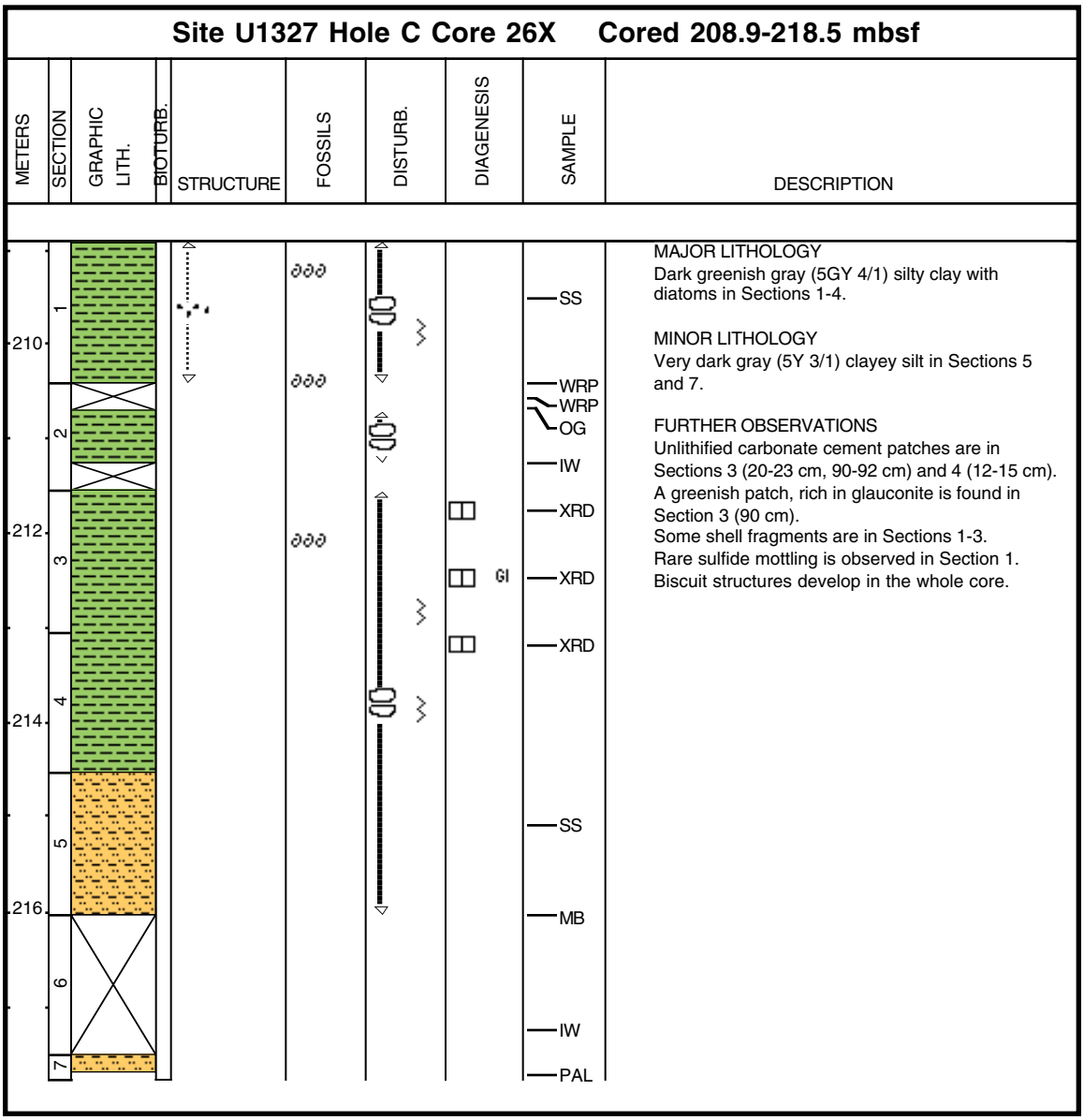
Core Photo


Site U1327 Hole C Core 24P Cored 197.3-198.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
198
1
IW
SS
XRD
IW
IW
WRP
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous clay.
FURTHER OBSERVATIONS
Some carbonate nodules occur at depth 54-56 cm, 59-62 cm, 64-66 cm. Some black clasts occur at 60-61 cm.

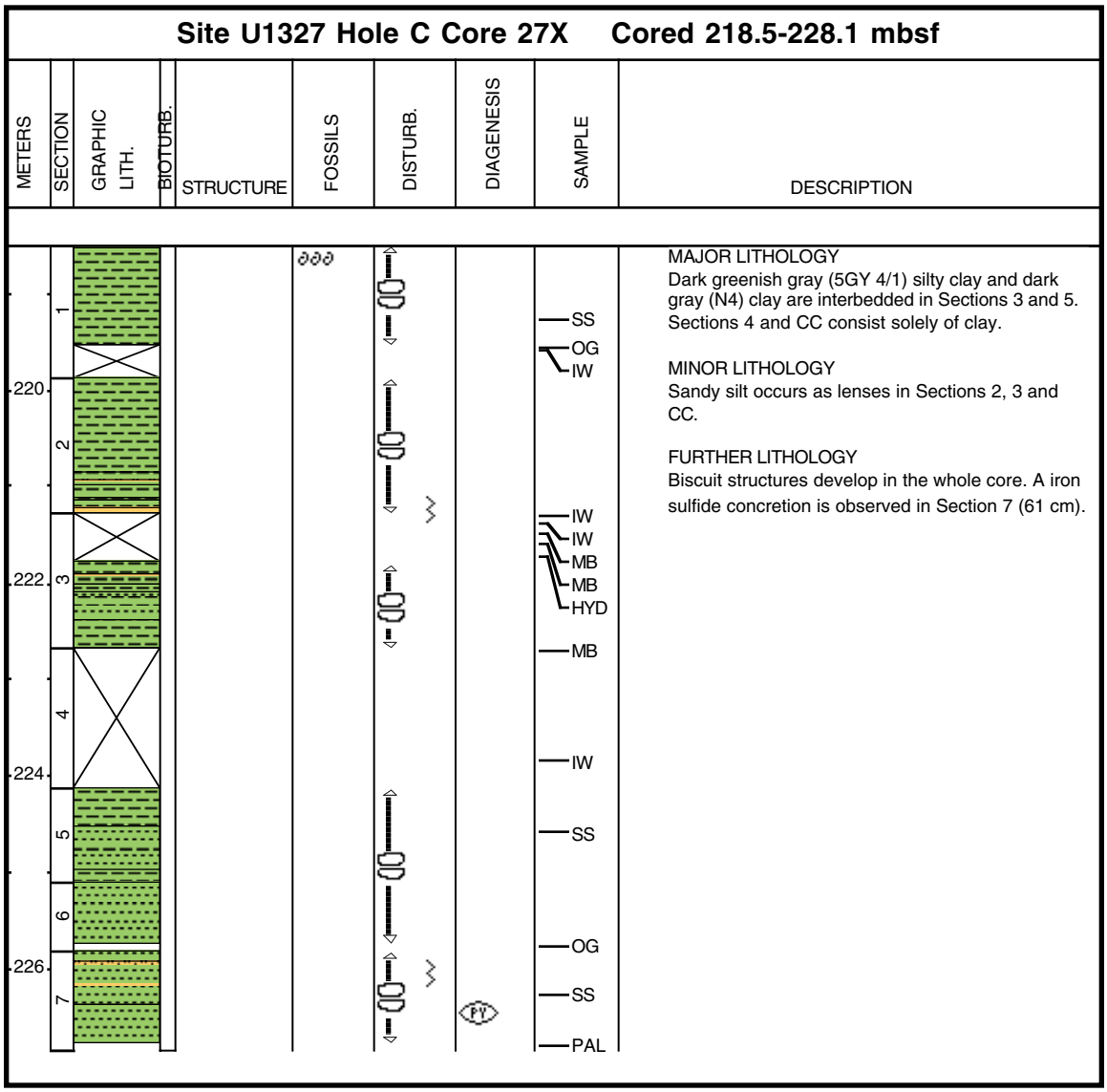
Core Photo


Site U1327 Hole C Core 25X Cored 199.3-208.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
200
202
1
2
3
4
IW
MB
SS
OG
IW
MB
GI
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay.
FURTHER OBSERVATIONS
Mousse-like structure is present in Section 1 (28-35 cm).
The whole core is biscuited.
A greenish spot, rich in glauconite, is observed in Section CC (23 cm).

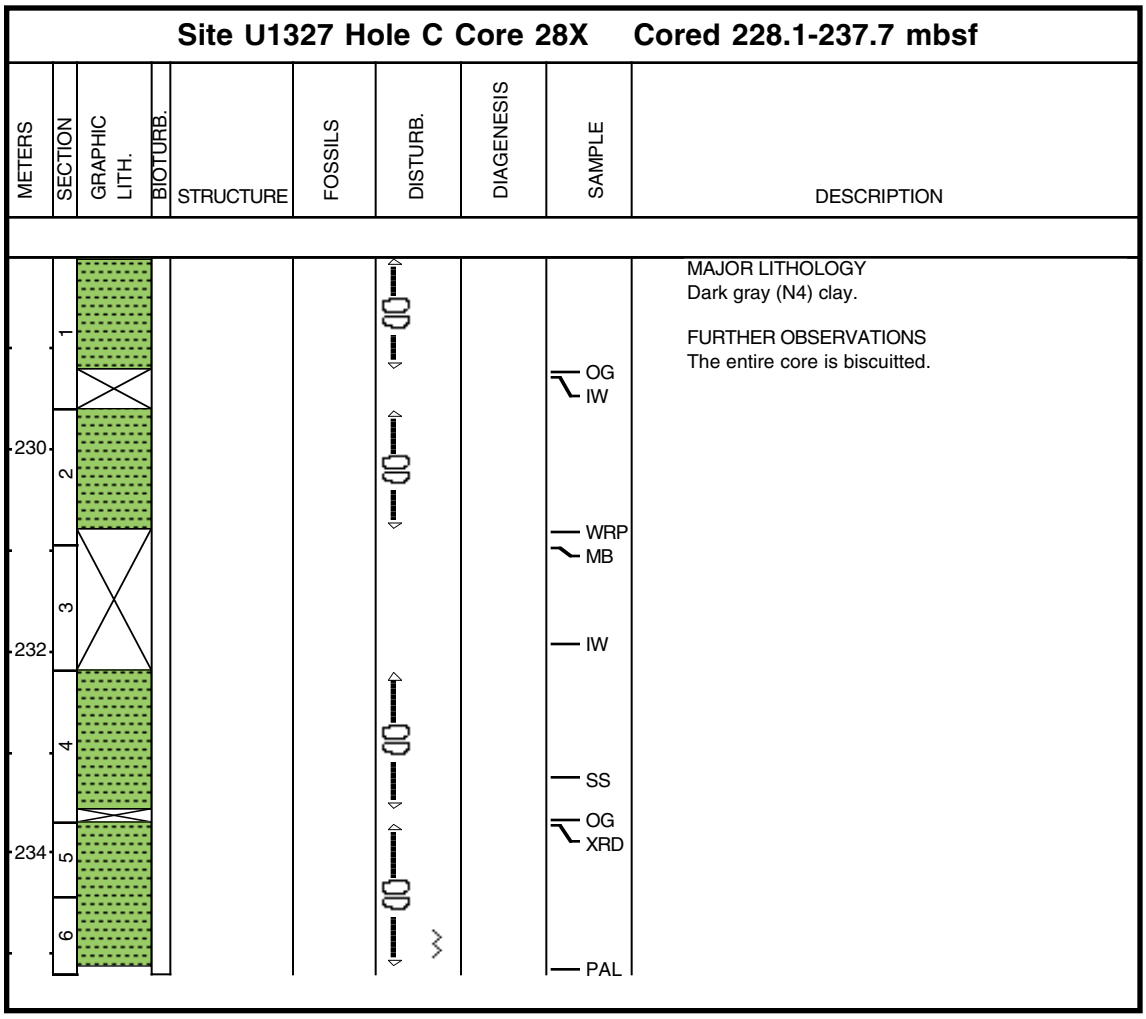
Core Photo


Site U1327 Hole C Core 26X Cored 208.9-218.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
210
212
214
216
1
2
3
4
5
6
7
SS
WRP
WRP
OG
IW
XRD
GI
XRD
XRD
SS
MB
IW
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay with diatoms in Sections 1-4.
MINOR LITHOLOGY
Very dark gray (5Y 3/1) clayey silt in Sections 5 and 7.
FURTHER OBSERVATIONS
Unlithified carbonate cement patches are in Sections 3 (20-23 cm, 90-92 cm) and 4 (12-15 cm).
A greenish patch, rich in glauconite is found in Section 3 (90 cm).
Some shell fragments are in Sections 1-3.
Rare sulfide mottling is observed in Section 1.
Biscuit structures develop in the whole core.

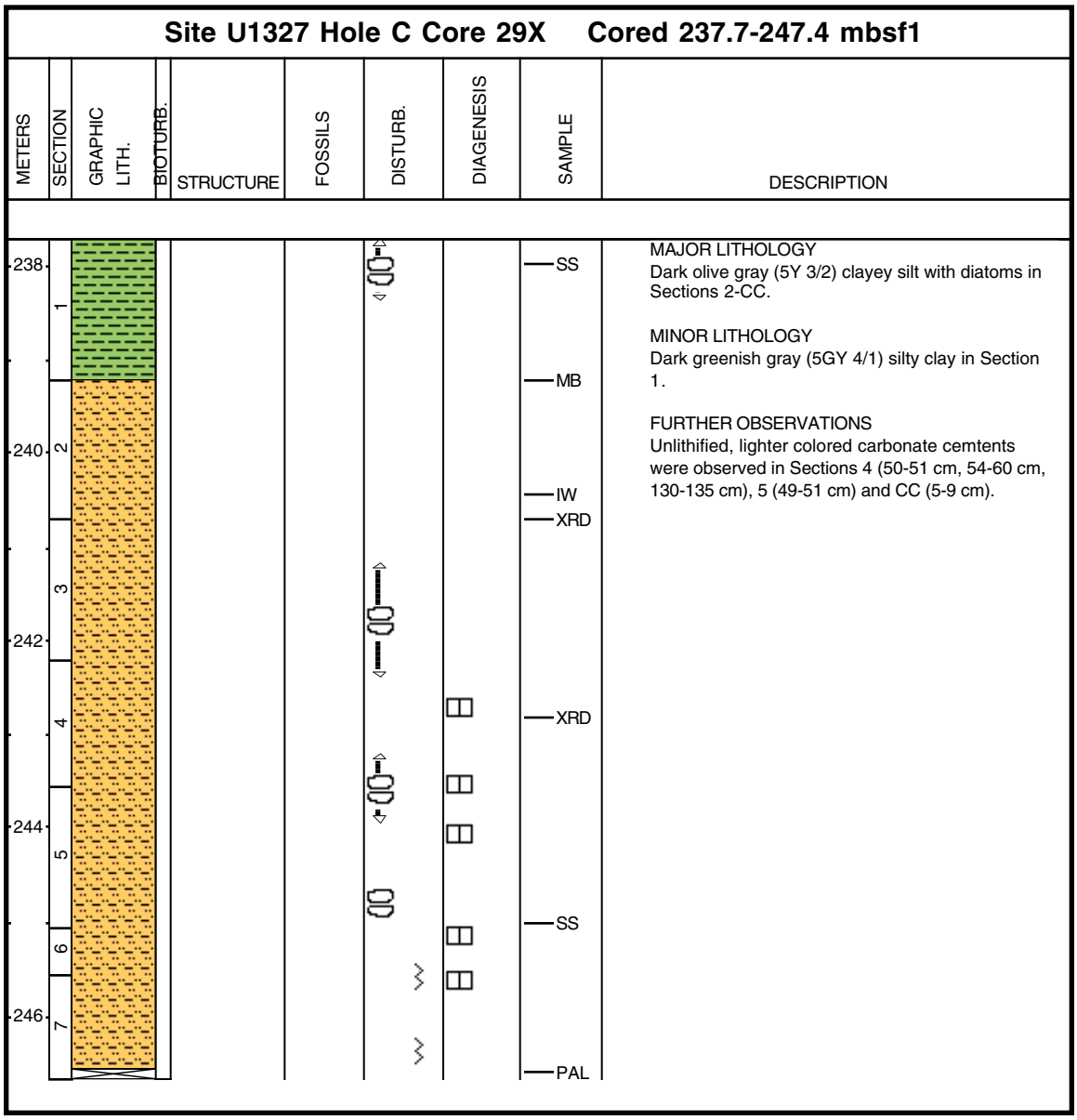
Core Photo


Site U1327 Hole C Core 27X Cored 218.5-228.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
220
222
224
226
1
2
3
4
5
6
7
SS
OG
IW
IW
IW
MB
MB
HYD
MB
IW
SS
OG
SS
PAL
PY
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay and dark gray (N4) clay are interbedded in Sections 3 and 5. Sections 4 and CC consist solely of clay.
MINOR LITHOLOGY
Sandy silt occurs as lenses in Sections 2, 3 and CC.
FURTHER LITHOLOGY
Biscuit structures develop in the whole core. A iron sulfide concretion is observed in Section 7 (61 cm).

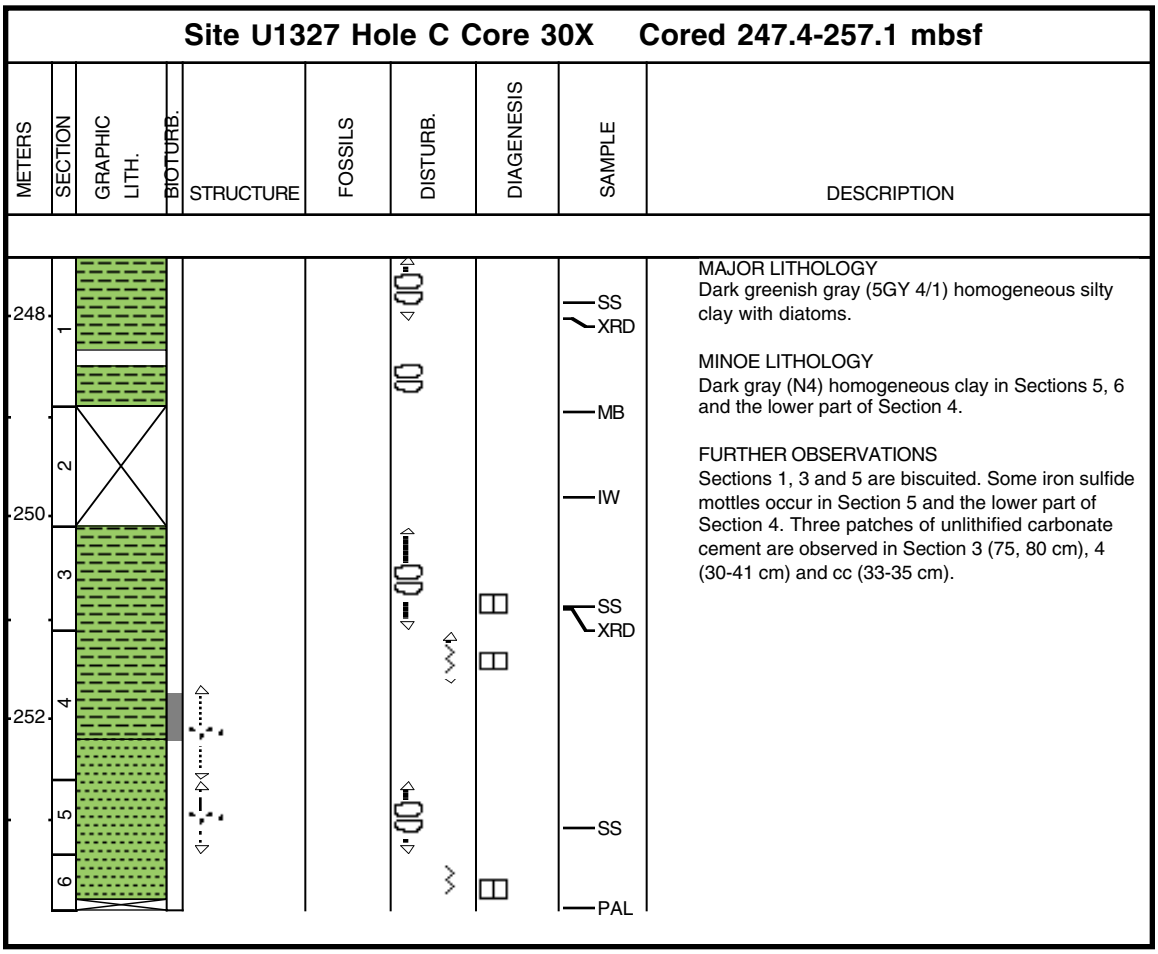
Core Photo


Site U1327 Hole C Core 28X Cored 228.1-237.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
230
232
234
1
2
3
4
5
6
OG
IW
WRP
MB
IW
SS
OG
XRD
PAL
MAJOR LITHOLOGY
Dark gray (N4) clay.
FURTHER OBSERVATIONS
The entire core is biscuitted.

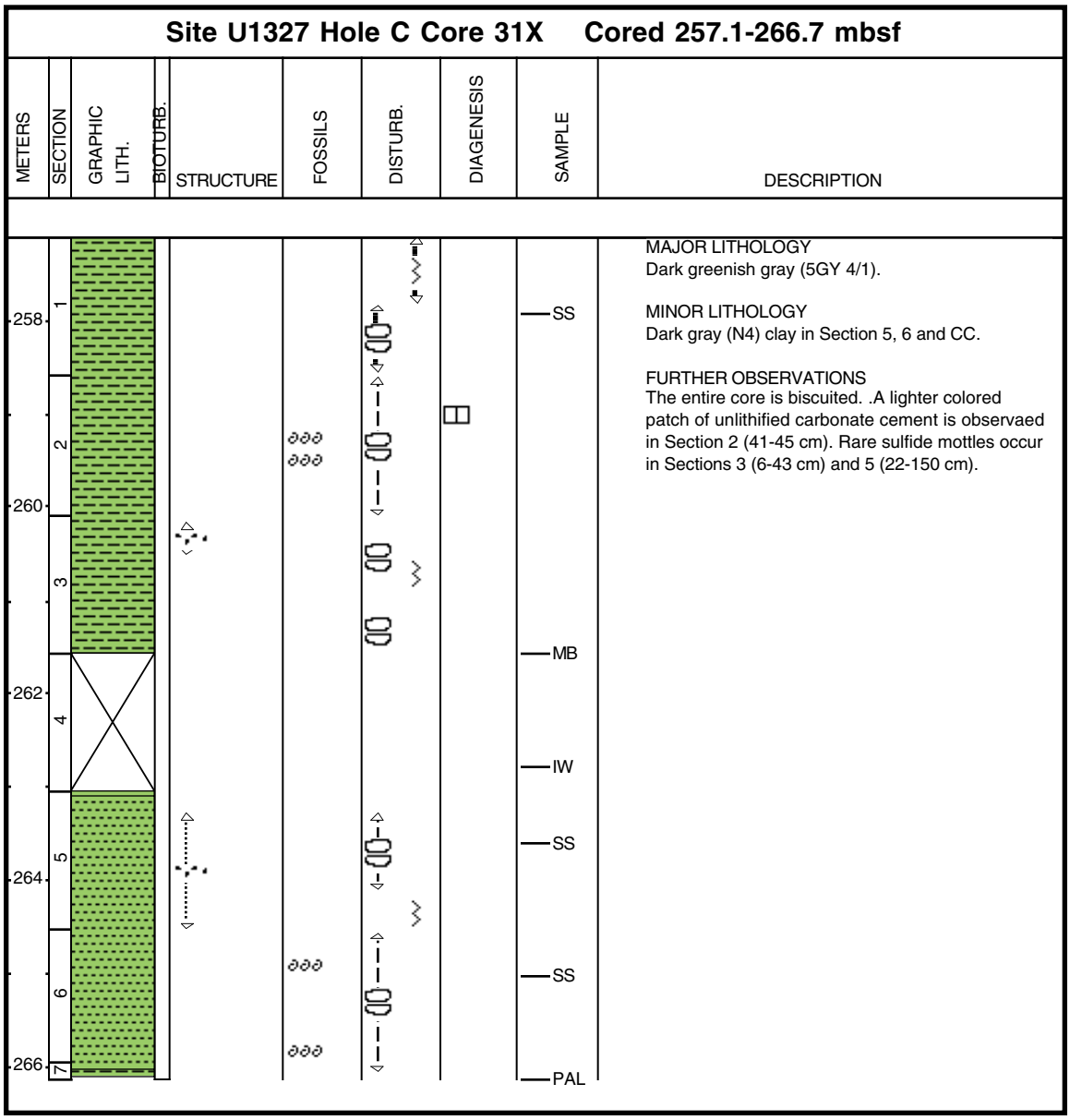
Core Photo


Site U1327 Hole C Core 29X Cored 237.7-247.4 mbsf1
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
238
240
242
244
246
1
2
3
4
5
6
7
SS
MB
IW
XRD
XRD
SS
PAL
MAJOR LITHOLOGY
Dark olive gray (5Y 3/2) clayey silt with diatoms in Sections 2-CC.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay in Section 1.
FURTHER OBSERVATIONS
Unlithified, lighter colored carbonate cemtents were observed in Sections 4 (50-51 cm, 54-60 cm, 130-135 cm), 5 (49-51 cm) and CC (5-9 cm).

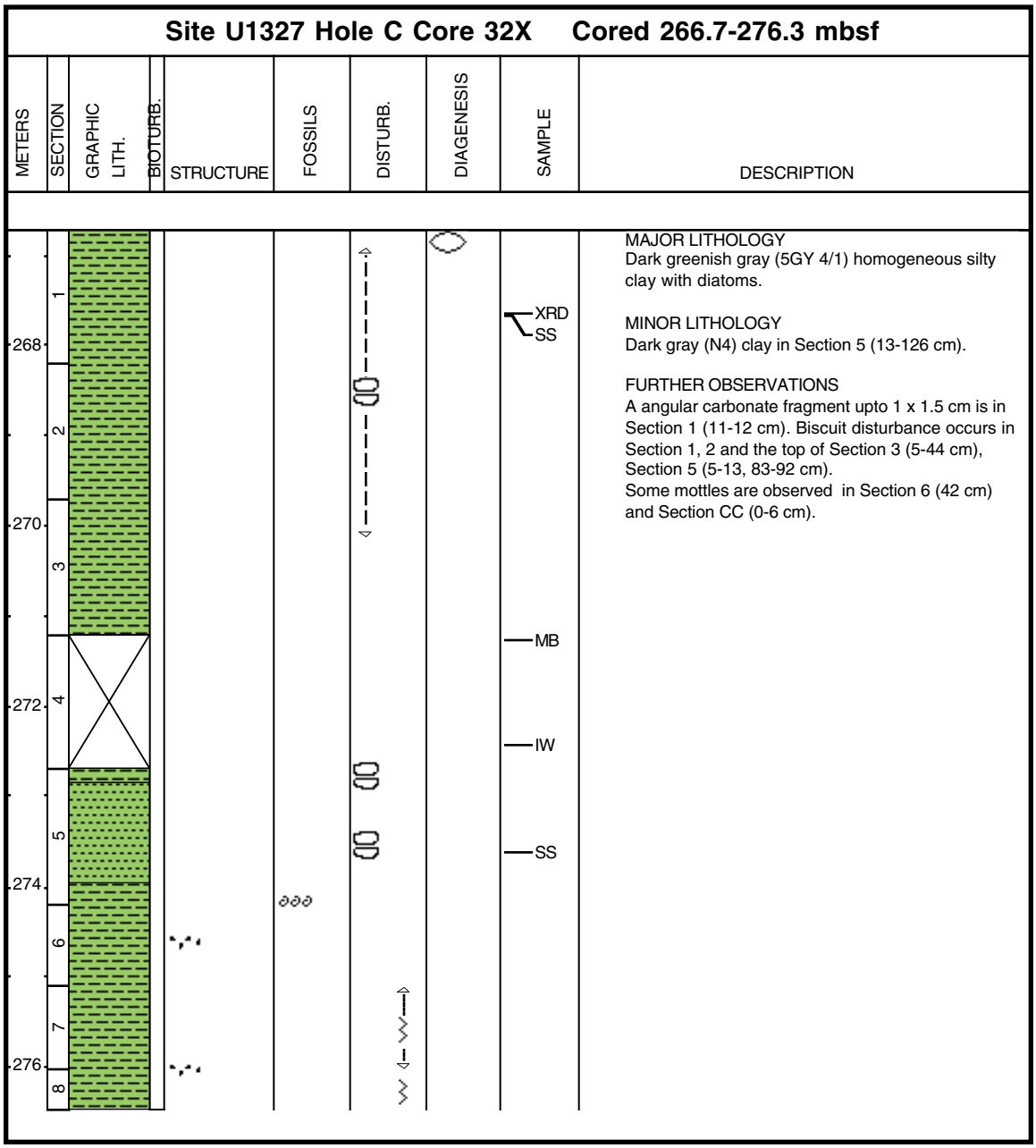
Core Photo


Site U1327 Hole C Core 30X Cored 247.4-257.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
248
250
252
1
2
3
4
5
6
SS
XRD
MB
IW
SS
XRD
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay with diatoms.
MINOE LITHOLOGY
Dark gray (N4) homogeneous clay in Sections 5, 6 and the lower part of Section 4.
FURTHER OBSERVATIONS
Sections 1, 3 and 5 are biscuited. Some iron sulfide mottles occur in Section 5 and the lower part of Section 4. Three patches of unlithified carbonate cement are observed in Section 3 (75, 80 cm), 4 (30-41 cm) and cc (33-35 cm).

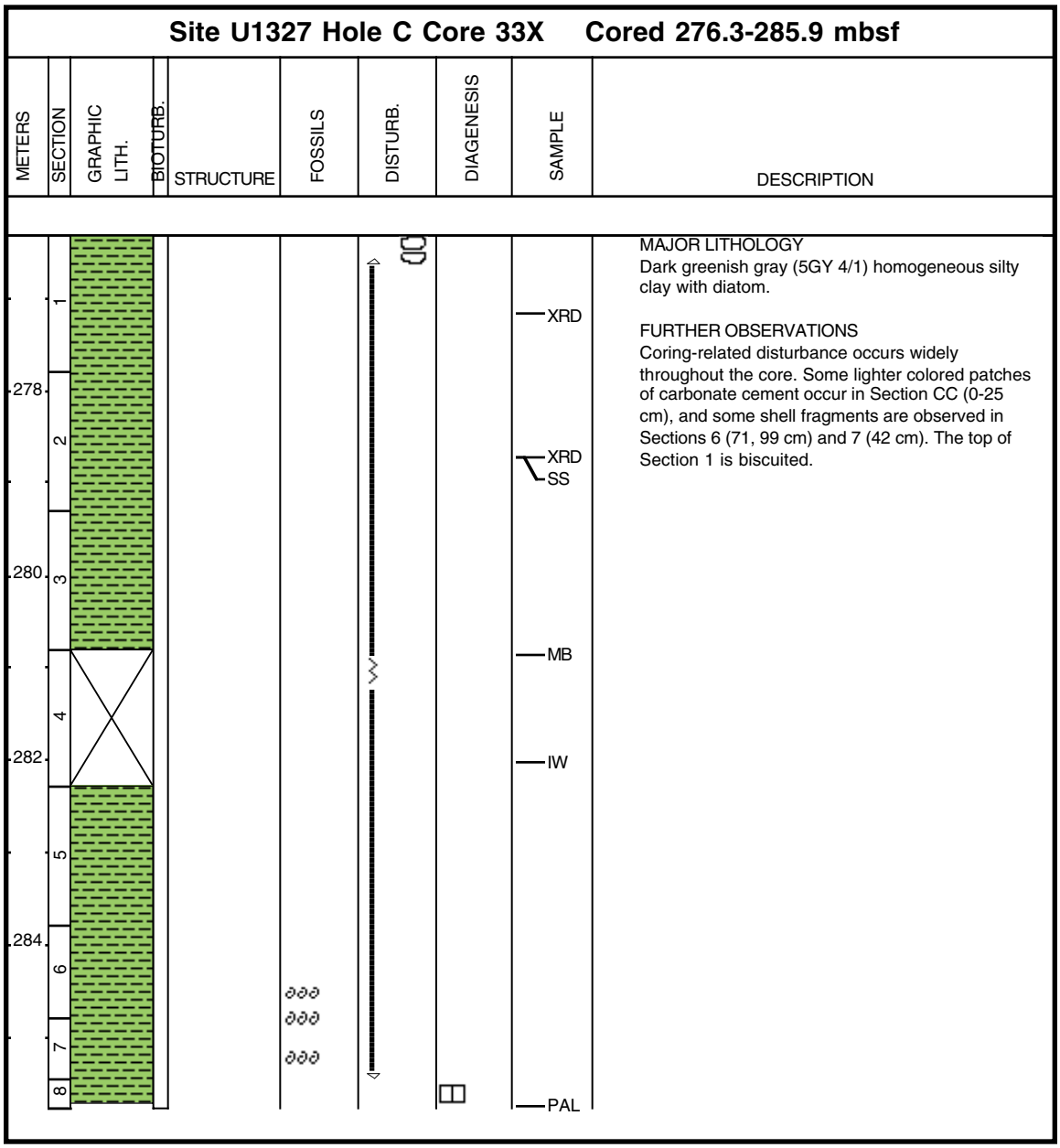
Core Photo


Site U1327 Hole C Core 31X Cored 257.1-266.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
258
260
262
264
266
1
2
3
4
5
6
7
SS
MB
IW
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1).
MINOR LITHOLOGY
Dark gray (N4) clay in Section 5, 6 and CC.
FURTHER OBSERVATIONS
The entire core is biscuited. .A lighter colored patch of unlithified carbonate cement is observaed in Section 2 (41-45 cm). Rare sulfide mottles occur in Sections 3 (6-43 cm) and 5 (22-150 cm).

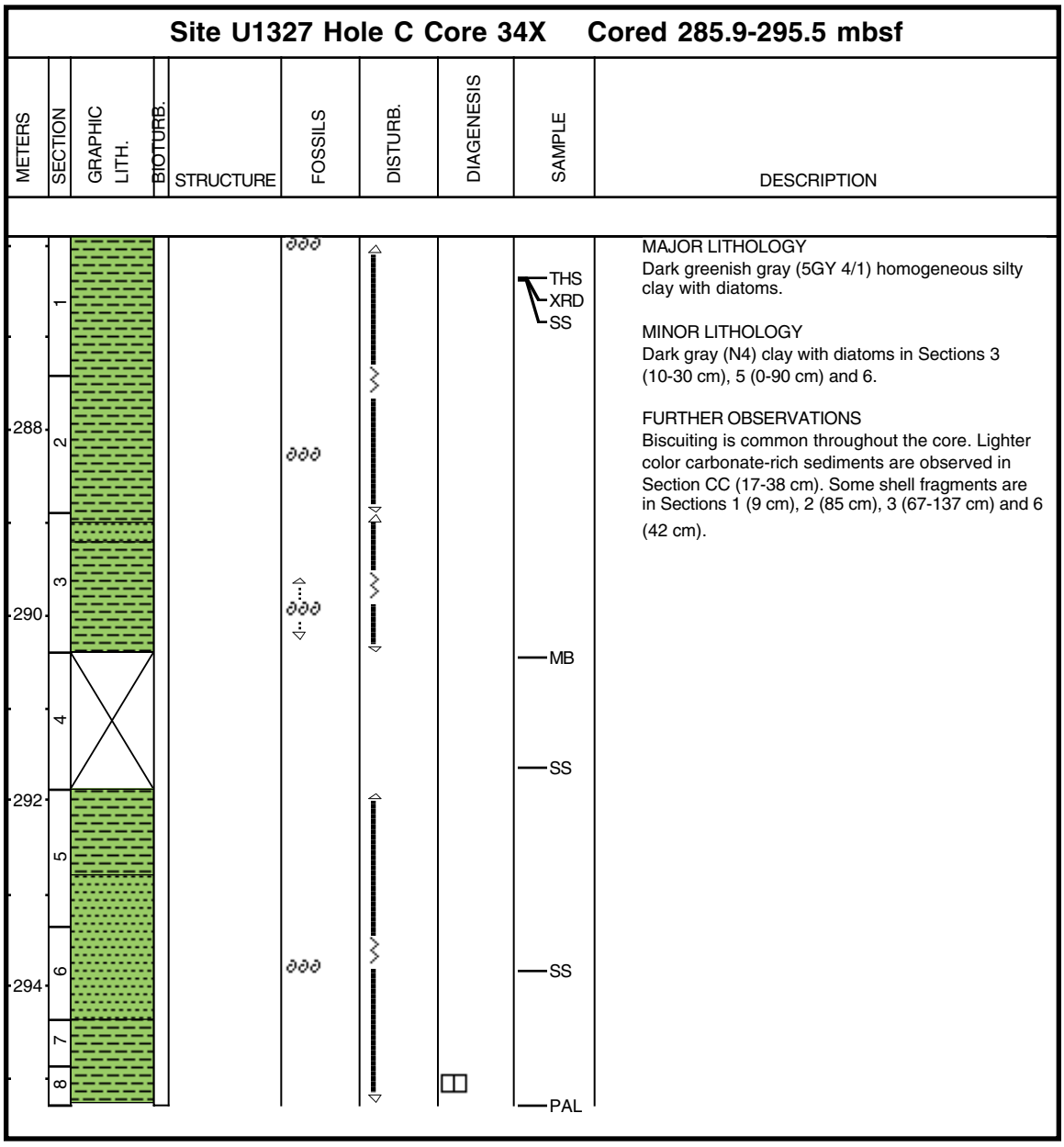
Core Photo


Site U1327 Hole C Core 32X Cored 266.7-276.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
268
270
272
274
276
1
2
3
4
5
6
7
8
XRD
SS
MB
IW
SS
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay with diatoms.
MINOR LITHOLOGY
Dark gray (N4) clay in Section 5 (13-126 cm).
FURTHER OBSERVATIONS
A angular carbonate fragment upto 1 x 1.5 cm is in Section 1 (11-12 cm). Biscuit disturbance occurs in Section 1, 2 and the top of Section 3 (5-44 cm), Section 5 (5-13, 83-92 cm).
Some mottles are observed in Section 6 (42 cm) and Section CC (0-6 cm).

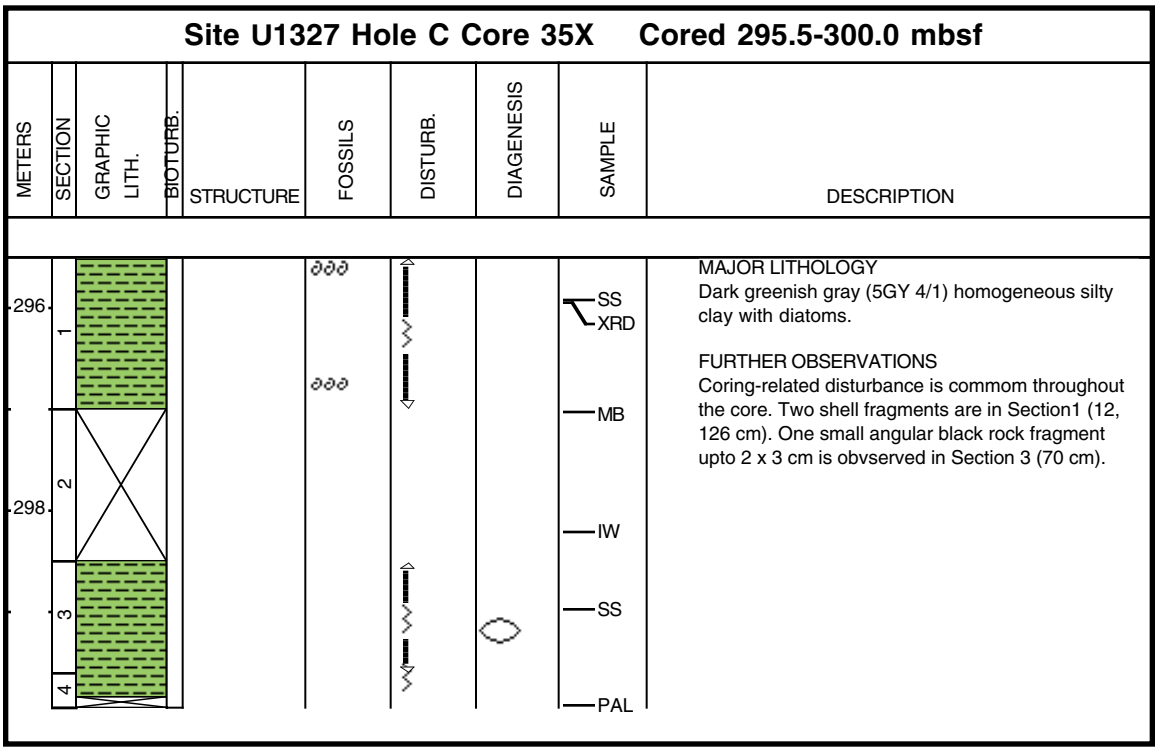
Core Photo


Site U1327 Hole C Core 33X Cored 276.3-285.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
278
280
282
284
1
2
3
4
5
6
7
8
XRD
XRD
SS
MB
IW
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay with diatom.
FURTHER OBSERVATIONS
Coring-related disturbance occurs widely throughout the core. Some lighter colored patches of carbonate cement occur in Section CC (0-25 cm), and some shell fragments are observed in Sections 6 (71, 99 cm) and 7 (42 cm). The top of Section 1 is biscuited.

Core Photo

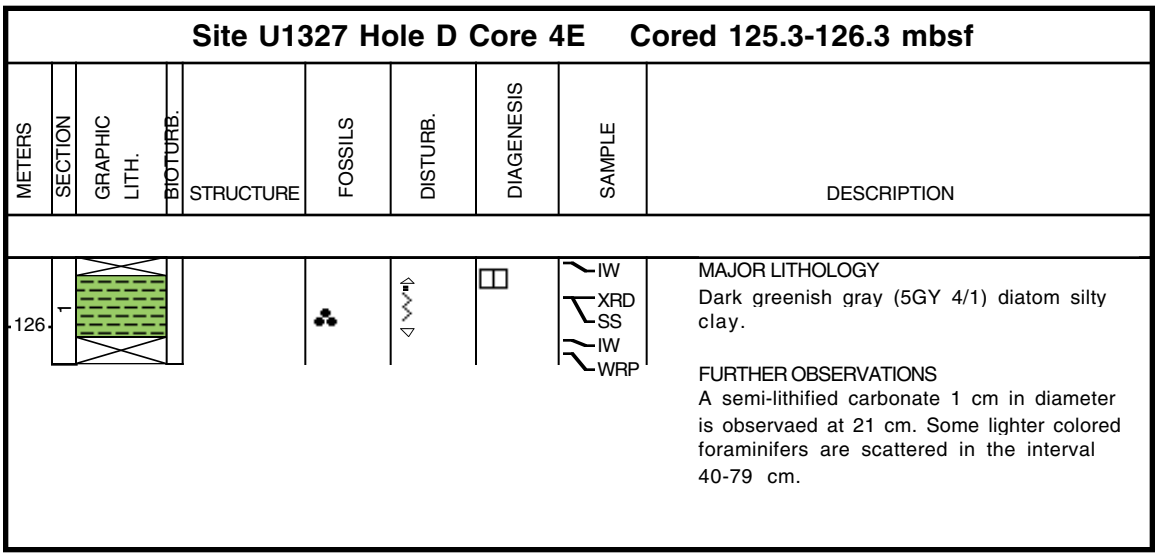

Site U1327 Hole C Core 34X Cored 285.9-295.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
288
290
292
294
1
2
3
4
5
6
7
8
THS
XRD
SS
MB
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay with diatoms.
MINOR LITHOLOGY
Dark gray (N4) clay with diatoms in Sections 3 (10-30 cm), 5 (0-90 cm) and 6.
FURTHER OBSERVATIONS
Biscuiting is common throughout the core. Lighter color carbonate-rich sediments are observed in Section CC (17-38 cm). Some shell fragments are in Sections 1 (9 cm), 2 (85 cm), 3 (67-137 cm) and 6 (42 cm).

Core Photo

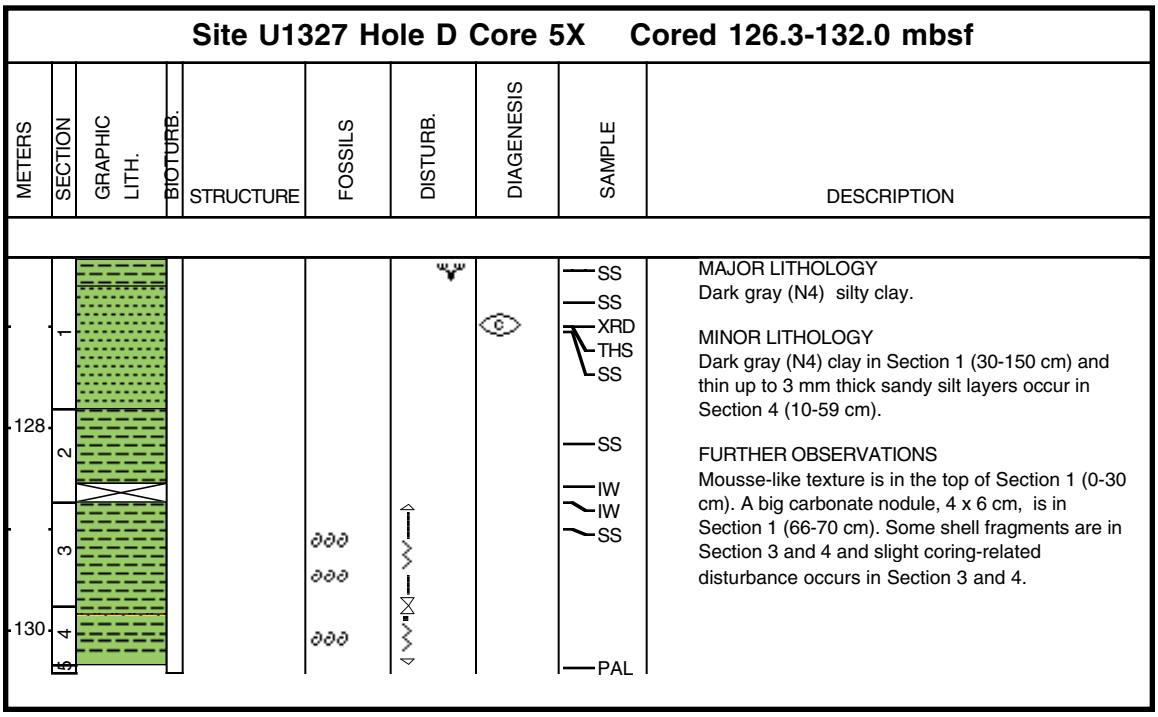

Site U1327 Hole C Core 35X Cored 295.5-300.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
296
298
1
2
3
4
SS
XRD
MB
IW
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay with diatoms.
FURTHER OBSERVATIONS
Coring-related disturbance is commom throughout the core. Two shell fragments are in Section1 (12, 126 cm). One small angular black rock fragment upto 2 x 3 cm is obvserved in Section 3 (70 cm).

Core Photo

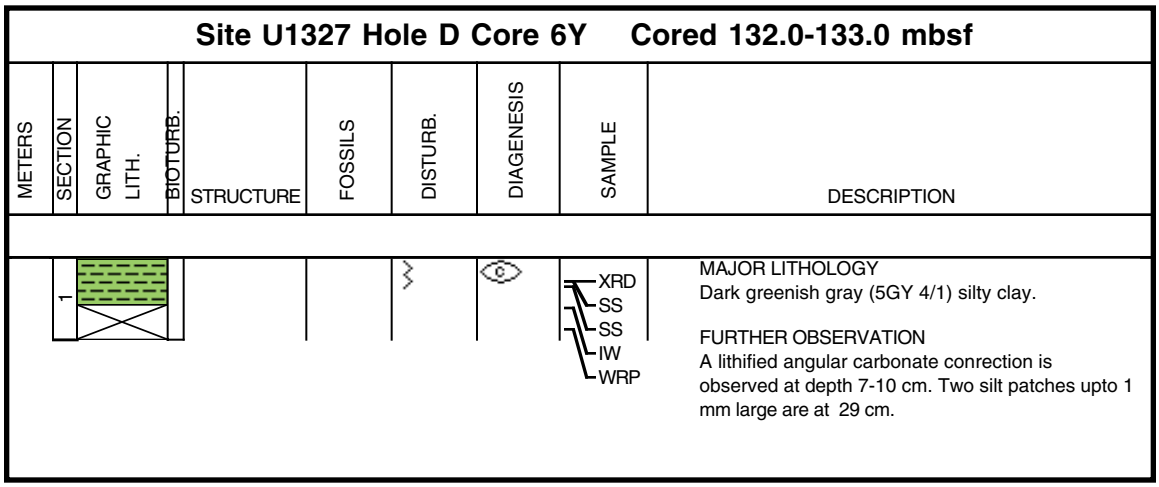
U1327D-1H Entire core to geochemistry and microbiology
U1327D-2H Entire core to geochemistry and microbiology
U1327D-3P No recovery



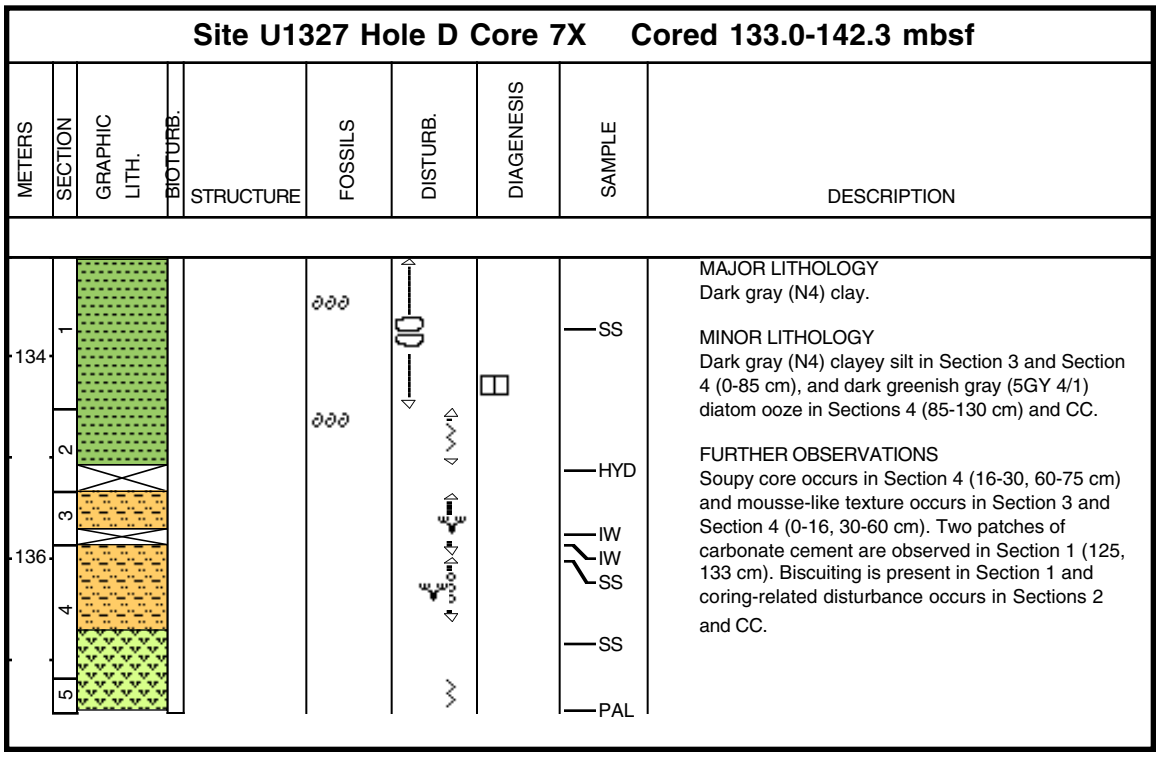
Core Photo


Site U1327 Hole D Core 5X Cored 126.3-132.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
128
130
1
2
3
4
5
C
SS
SS
XRD
THS
SS
SS
IW
IW
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark gray (N4) clay in Section 1 (30-150 cm) and thin up to 3 mm thick sandy silt layers occur in Section 4 (10-59 cm).
FURTHER OBSERVATIONS
Mousse-like texture is in the top of Section 1 (0-30 cm). A big carbonate nodule, 4 x 6 cm, is in Section 1 (66-70 cm). Some shell fragments are in Section 3 and 4 and slight coring-related disturbance occurs in Section 3 and 4.

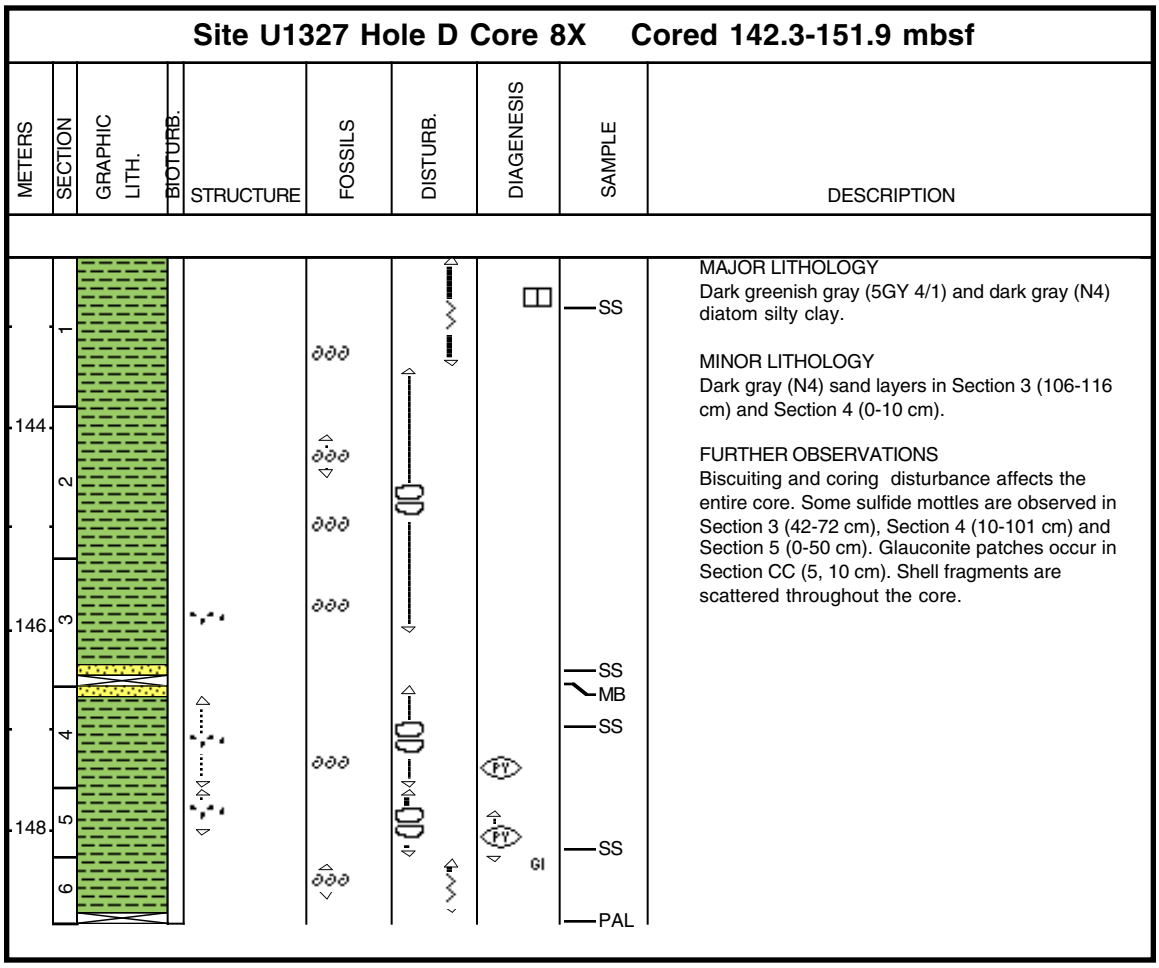
Core Photo


Site U1327 Hole D Core 6Y Cored 132.0-133.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
XRD
SS
SS
IW
WRP
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay.
FURTHER OBSERVATION
A lithified angular carbonate conrection is observed at depth 7-10 cm. Two silt patches upto 1 mm large are at 29 cm.

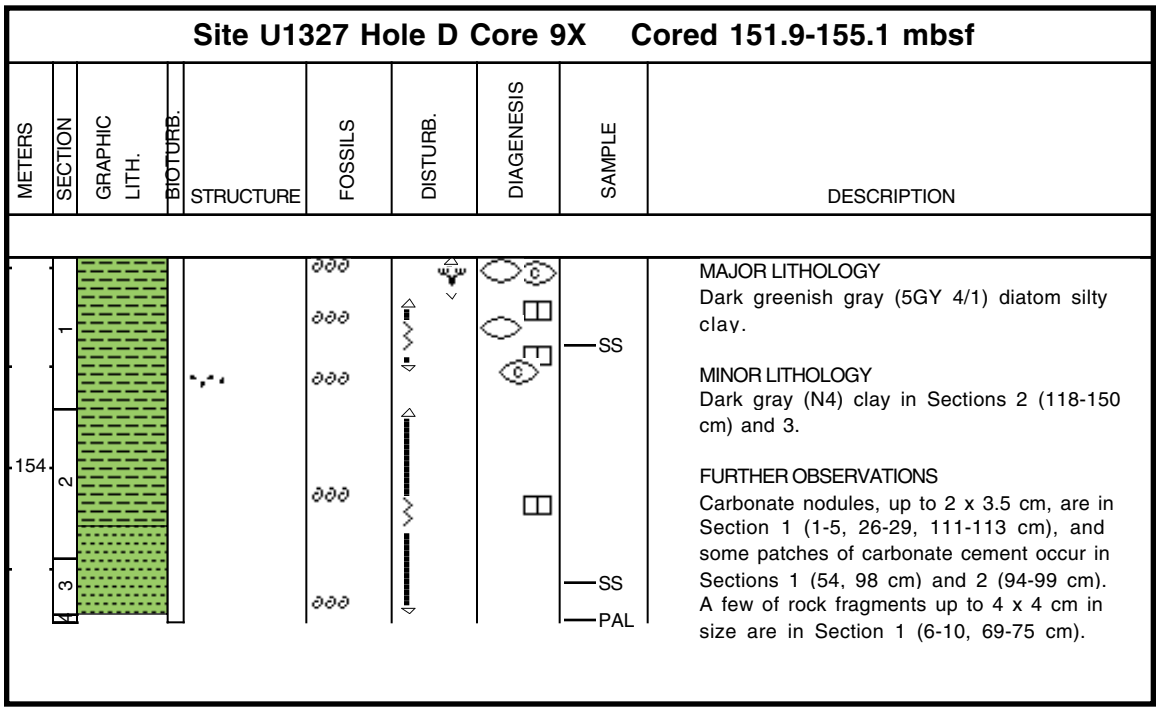
Core Photo


Site U1327 Hole D Core 7X Cored 133.0-142.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
134
136
1
2
3
4
5
SS
HYD
IW
IW
SS
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) clay.
MINOR LITHOLOGY
Dark gray (N4) clayey silt in Section 3 and Section 4 (0-85 cm), and dark greenish gray (5GY 4/1) diatom ooze in Sections 4 (85-130 cm) and CC.
FURTHER OBSERVATIONS
Soupy core occurs in Section 4 (16-30, 60-75 cm) and mousse-like texture occurs in Section 3 and Section 4 (0-16, 30-60 cm). Two patches of carbonate cement are observed in Section 1 (125, 133 cm). Biscuiting is present in Section 1 and coring-related disturbance occurs in Sections 2 and CC.

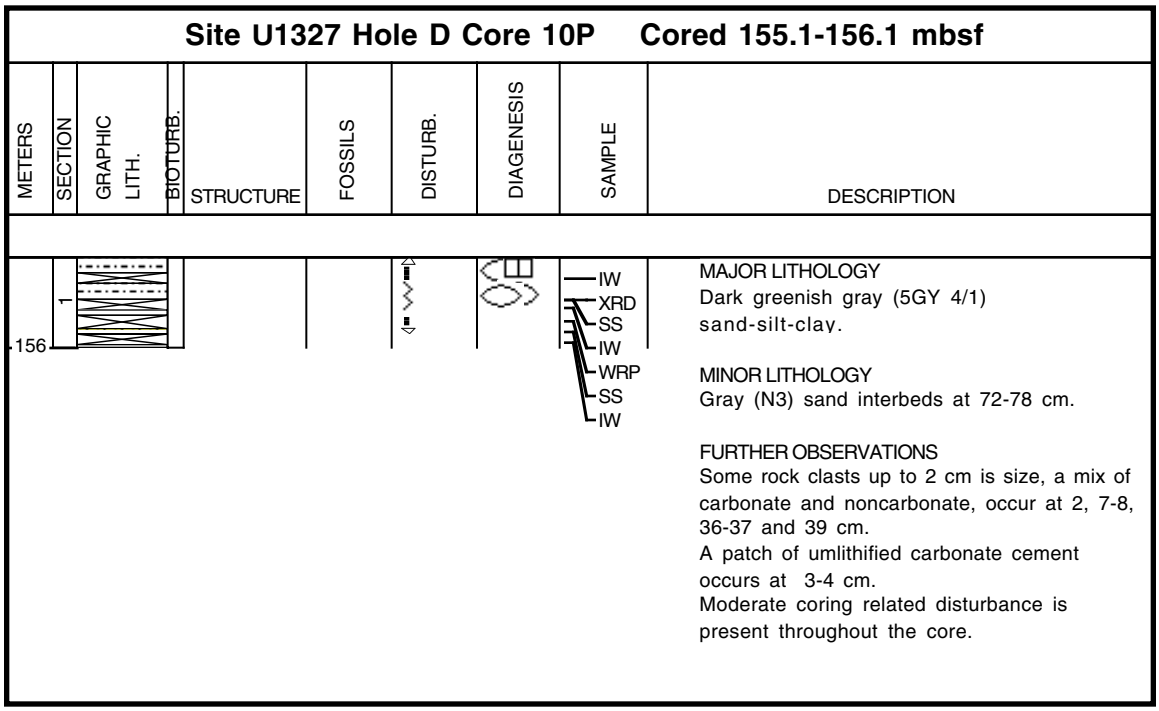
Core Photo


Site U1327 Hole D Core 8X Cored 142.3-151.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
144
146
148
1
2
3
4
5
6
SS
SS
MB
SS
SS
PAL
PY
PY
GI
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) and dark gray (N4) diatom silty clay.
MINOR LITHOLOGY
Dark gray (N4) sand layers in Section 3 (106-116 cm) and Section 4 (0-10 cm).
FURTHER OBSERVATIONS
Biscuiting and coring disturbance affects the entire core. Some sulfide mottles are observed in Section 3 (42-72 cm), Section 4 (10-101 cm) and Section 5 (0-50 cm). Glauconite patches occur in Section CC (5, 10 cm). Shell fragments are scattered throughout the core.

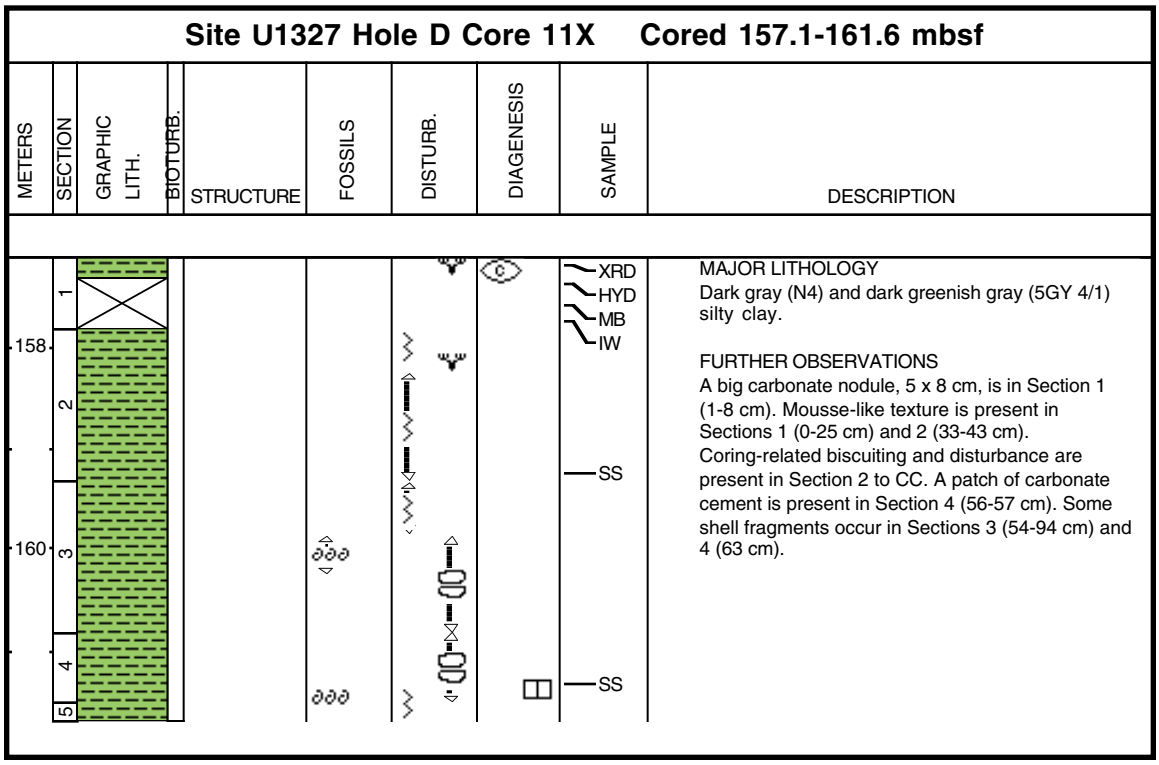
Core Photo


Site U1327 Hole D Core 9X Cored 151.9-155.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
154
1
2
3
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) diatom silty clay.
MINOR LITHOLOGY
Dark gray (N4) clay in Sections 2 (118-150 cm) and 3.
FURTHER OBSERVATIONS
Carbonate nodules, up to 2 x 3.5 cm, are in Section 1 (1-5, 26-29, 111-113 cm), and some patches of carbonate cement occur in Sections 1 (54, 98 cm) and 2 (94-99 cm). A few of rock fragments up to 4 x 4 cm in size are in Section 1 (6-10, 69-75 cm).

Core Photo

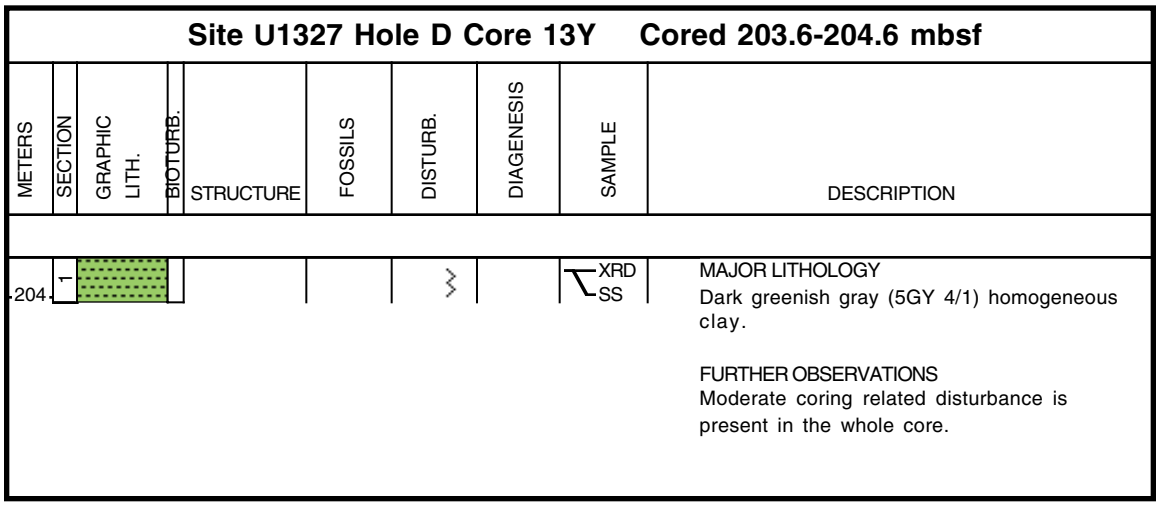

Site U1327 Hole D Core 10P Cored 155.1-156.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
156
1
IW
XRD
SS
IW
WRP
SS
IW
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) sand-silt-clay.
MINOR LITHOLOGY
Gray (N3) sand interbeds at 72-78 cm.
FURTHER OBSERVATIONS
Some rock clasts up to 2 cm is size, a mix of carbonate and noncarbonate, occur at 2, 7-8, 36-37 and 39 cm.
A patch of umlithified carbonate cement occurs at 3-4 cm.
Moderate coring related disturbance is present throughout the core.

Core Photo



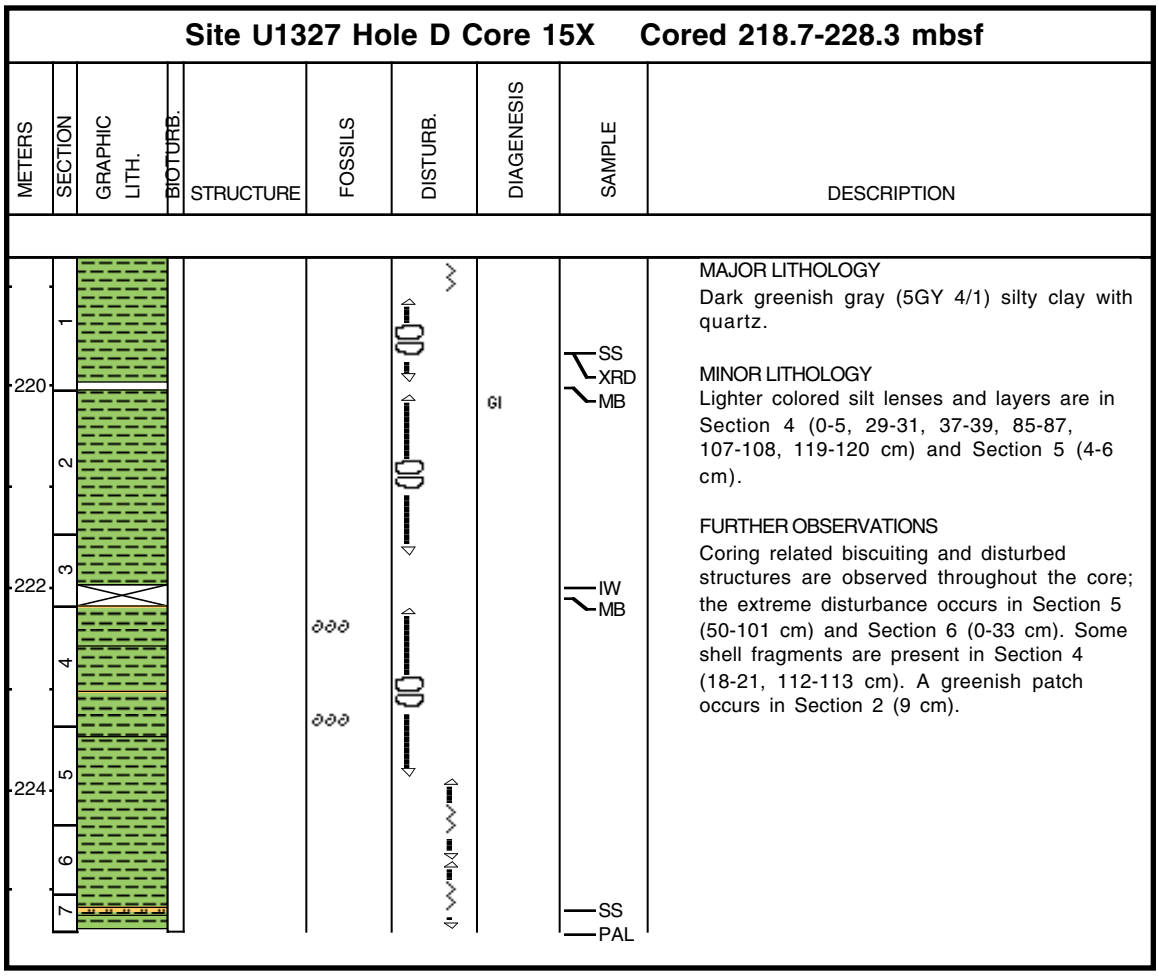
U1327D-12E No description available

Core Photo

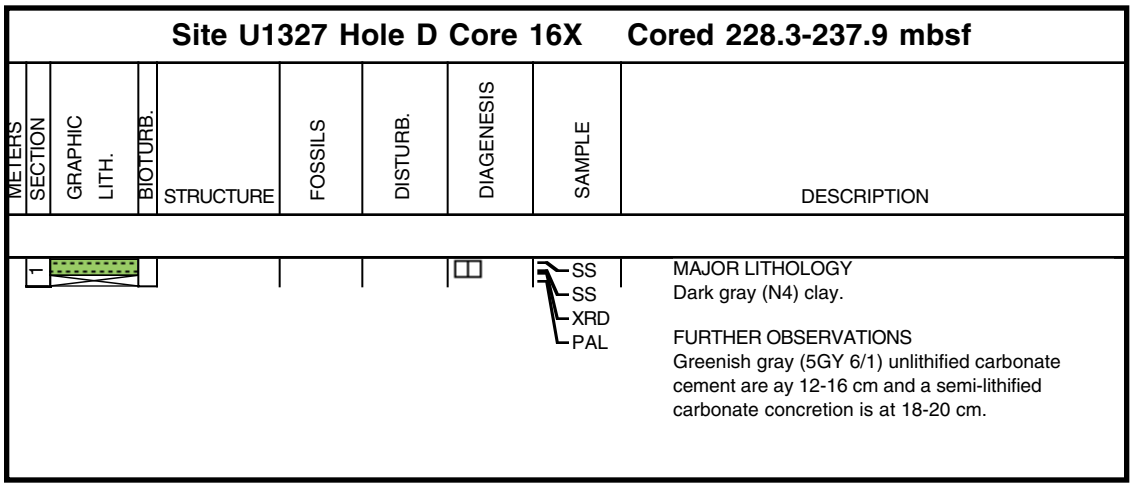


U1327D-14E No description available

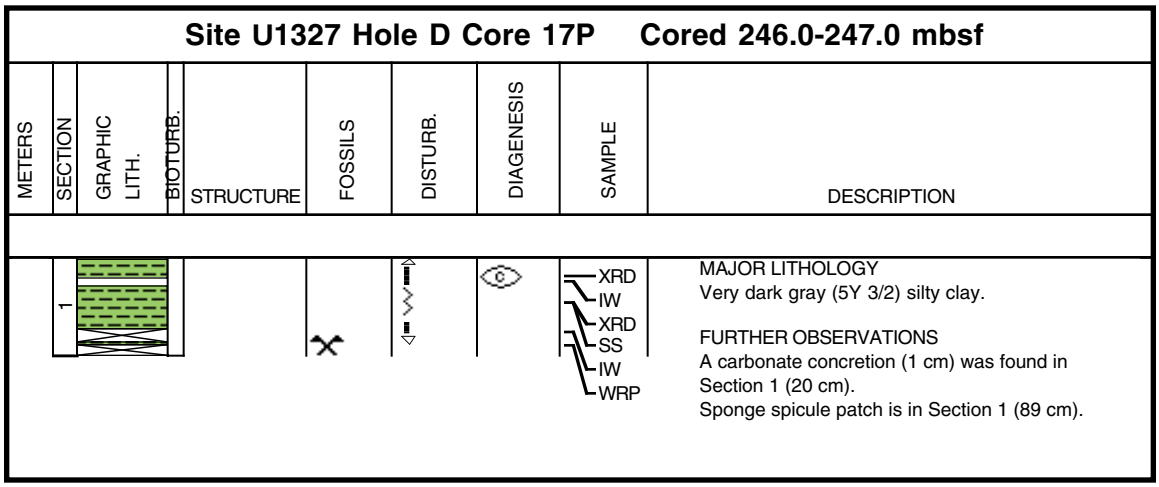
Core Photo


Site U1327 Hole D Core 15X Cored 218.7-228.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
220
222
224
1
2
3
4
5
6
7
GI
SS
XRD
MB
IW
MB
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay with quartz.
MINOR LITHOLOGY
Lighter colored silt lenses and layers are in Section 4 (0-5, 29-31, 37-39, 85-87, 107-108, 119-120 cm) and Section 5 (4-6 cm).
FURTHER OBSERVATIONS
Coring related biscuiting and disturbed structures are observed throughout the core; the extreme disturbance occurs in Section 5 (50-101 cm) and Section 6 (0-33 cm). Some shell fragments are present in Section 4 (18-21, 112-113 cm). A greenish patch occurs in Section 2 (9 cm).

Core Photo

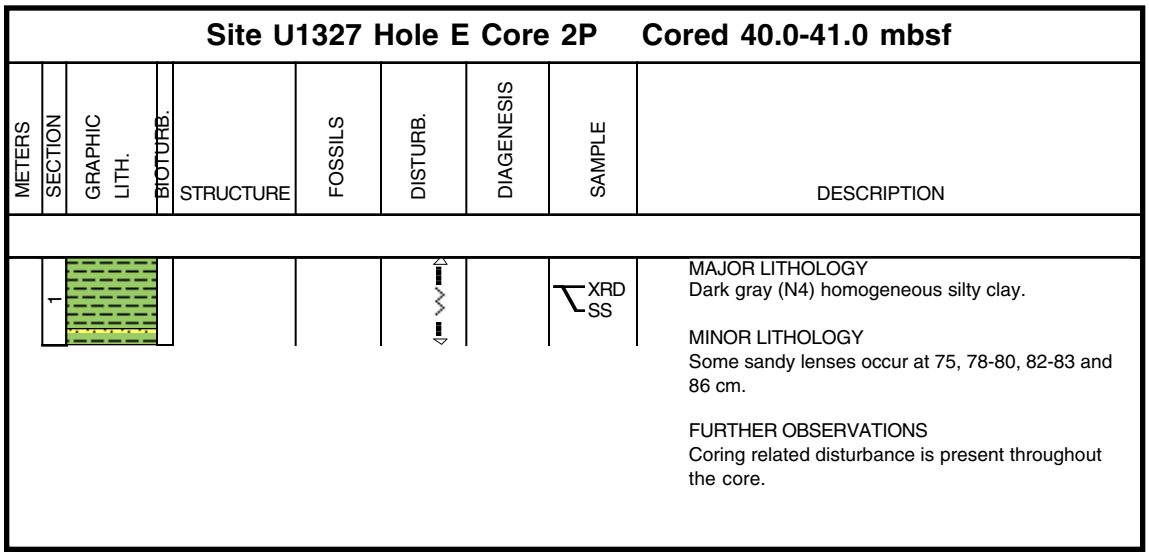

Site U1327 Hole D Core 16X Cored 228.3-237.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
SS
SS
XRD
PAL
MAJOR LITHOLOGY
Dark gray (N4) clay.
FURTHER OBSERVATIONS
Greenish gray (5GY 6/1) unlithified carbonate cement are ay 12-16 cm and a semi-lithified carbonate concretion is at 18-20 cm.

Core Photo


Site U1327 Hole D Core 17P Cored 246.0-247.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
XRD
IW
XRD
SS
IW
WRP
MAJOR LITHOLOGY
Very dark gray (5Y 3/2) silty clay.
FURTHER OBSERVATIONS
A carbonate concretion (1 cm) was found in Section 1 (20 cm).
Sponge spicule patch is in Section 1 (89 cm).

Core Photo

U1327E-1H Entire core to geochemistry and microbiology

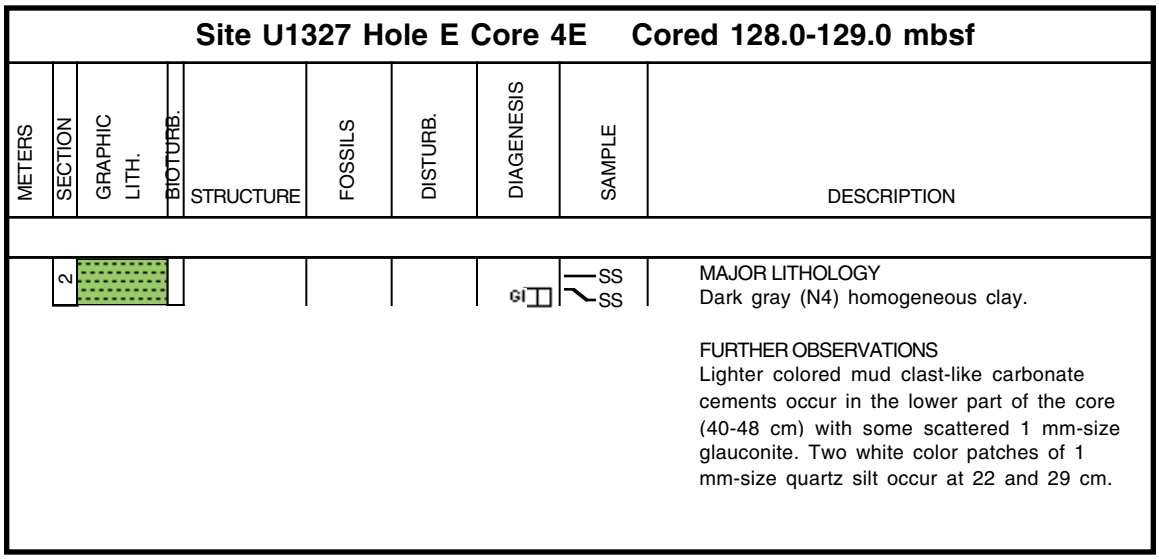


Core Photo

Site U1327 Hole E Core 3P Cored 80.0-81.0 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	DIAGENESIS	SAMPLE	DESCRIPTION
	1							SS IW SS WRP IW	MAJOR LITHOLOGY Dark greenish gray (5GY 4/1) diatom ooze. MINOR LITHOLOGY Dark greenish gray (5GY 4/1) sand is interbeded in Section 1 (5-10 cm) with the diatom ooze. FURTHER OBSERVATIONS Shell fragments were found in Section 1 (55 cm).

Core Photo


Site U1327 Hole E Core 4E Cored 128.0-129.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
2
GI
SS
SS
MAJOR LITHOLOGY
Dark gray (N4) homogeneous clay.
FURTHER OBSERVATIONS
Lighter colored mud clast-like carbonate cements occur in the lower part of the core (40-48 cm) with some scattered 1 mm-size glauconite. Two white color patches of 1 mm-size quartz silt occur at 22 and 29 cm.

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
Hole B																															
1	H	2	64	2.14	D	5	22	73	1						2		6	2			3	1	73	5			4		3		
1	H	2	71	2.21	M	98	2	0								30	30	20		6		2					6		6		sand
1	H	5	75	6.75	M	15	65	20	1			1					5	2					19	2			70				iron sulfide mottling
1	H	6	70	8.2	D	3	27	70	2	3	1				2		9	2				1	69	3			5		3		
Hole C																															
1	H	1	10	0.1	M	6	61	33	45	5	1		2	1	2		3	1	2				33	2			2		1		top of core more greenish brown
1	H	2	25	1.75	M	100		0									50	20					5				3		22		sand
1	H	3	40	3.4	D	3	25	72	1	1			1		1		6	4	5		1		72	3			3		2		
2	H	2	70	8.3	D	2	30	68									16	5					68	3			3		5		
2	H	6	57	14.17	M	4	50	46	1								27	20		2	1		40	2			4		2	1	
3	H	1	65	16.25	D	0	26	74		2	2						18	1			1		74				1		1		
3	H	3	7	18.67	M	10	35	55		10	3			1	1		15	5	2				55	3			1		3	1	
3	H	5	1	21.61	M	30	70	0									70	16			2			2			2		5	3	
3	H	7	23	24.83	M	3	30	67							1		15	4				10	67				1		1	1	
4	H	1	77	25.87	D	0	15	85									8	3	1				85				1		2		
4	H	4	57	30.17	D	0	15	85	1	1	2				1		6	2					85				1		1		
4	H	5	4	31.14	M	70	30	0									60	15			1						11		7	6	
5	H	1	58	35.18	D	0	25	75	1						1		4	2	10		2		75	1			3		1		
5	H	2	75	36.85	M	7	20	73	1						2		6		8				73				6		4		
5	H	3	40	38	M	98	2	0									40	15		10							5		15	15	
5	H	3	80	38.4	D	1	29	70		2					1		8	2	8				70	2			5		2		
5	H	6	60	42.7	D	1	20	79							1		6	1	5		1		79	3			4				
6	P	1	32	44.42	D	0	15	85									5	4	3				85	1				1		1	
7	H	1	17	46.27	M	20	20	60		18	3		1		1		5	2	1			1	58	4			3		1	2	
7	H	1	37	46.47	D	0	21	79			1				1		5	2	5				79	2			3			2	
7	H	7	26	55.36	D	3	26	71			1				1		8	3	3		2		71	2			4		5		
8	H	1	3	55.63	M	10	85	5									33	27	11			4	5				8		7	5	
8	H	1	7	55.67	D	10	32	58							1		6	4	20		1	2	58	3			4		1		
8	H	1	85	56.45	D	1	29	70							1		9	6	4		1	1	70	2			4		2		
8	H	3	24	58.84	M	1	99	0									42	35	4		3						5		6	5	
8	H	7	24	64.84	M	85	13	2	1				90				5	1					2				1				
9	H	2	60	67.2	M	25	45	30	3	5					2		30	10	3		6	30					2	3	6		
9	H	3	80	68.9	D	0	25	75	4				0		1		8	6	3				75				3				
9	H	6	82	73.42	D	5	27	68	5	6	20				1		3	2	3		3	2	47	4			3		1		
10	H	1	50	75.1	D	0	15	85									6	1	1			3	85				4				
10	H	2	89	76.99	M	80	10	10		10							40	10					10				20		10		
10	H	6	44	81.19	D	2	25	73		3	5						8	2				3	70	5			4				
11	H	2	37	85.97	D	5	25	70	5			1	1				5	3	2				70				8		5		
11	H	3	60	87.7	M	85	10	5	5								40	20	2				5				8	3	17		
11	H	5	6	90.16	D	3	40	57	30				2				5	1	3				57						2		
12	X	2	17	93.43	D	1	20	79	3	1	1						8	3			1		79	2					1	1	
12	X	6	80	99.92	M	25	15	60	1								10	5	1		1		60	2			1		1	18	
12	X	7	17	100.29	D	1	40	59									22	15			1		59	1			1		1		
13	X	1	77	103.27	D	1	30	69	20					1			5	3					69				1		1		
13	X	3	62	106.12	M	25	55	20	1	1							47	20					20				2		5	4	
13	X	5	55	108.65	M	90	4	6									55	25			1		6				4		5	4	
14	X	1	50	112.6	D	2	30	68	8						1		12	7			1		68				1		1	1	
14	X	4	35	116.95	M	80	5	15									50	18			2		15				3		3	9	
15	P	1	65	122.45	M	0	10	90	2								5	1					10	80			1		1		carb cement

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
Hole C (continued)																															
15	P	1	73	122.53	D	0	12	88	2		1						6	1					88				1		1		
16	X	1	66	124.46	D	1	20	79	9								9	2	1				79								
16	X	5	57	130.27	D	0	18	82	13				1				4						79				1		2		
17	X	3	22	133.4	D	0	56	44	40				2		1		5	1			1		44	3			2		1		
17	X	3	58	133.76	M	100		0								100															crushed shell fragment
17	X	5	5	134.73	D	2	17	81	1		1				1		5	3	2		2		80	2			2		1		
17	X	CC	4	136.68	M	2	98	0	4			1	1			2	2		1					87			1		1		crushed shell fragment
18	X	1	70	142.2	M	30	70	0									5				3	7					85				pyrite ?
18	X	1	75	142.25	M	5	5	90									1		1				5	92			1				carb cement
18	X	3	48	144.33	M	5	5	90									1		1				5	91			1		1		carb cement
18	X	4	48	145.83	M	5	15	80	1	1	1				1		5	1					80	2			7		1		
18	X	4	56	145.91	D	0	37	63	10			1	2		1		9	2	2		2	2	63	2			3		1		
19	X	2	44	152.75	D	3	56	41	38	1			4		1		5	2	2				41	3			3				
19	X	5	96	157.06	D	3	20	77	3								8	4	2		3		77	1			2				
19	X	5	136	157.46	M	5	90	5		1			1			2	53	23			2		5				3		5	5	
20	X	1	29	161.09	M	50	50	0									3	1									95		1		crushed iron sulfide concretion
20	X	1	65	161.45	M	28	72	0	1				2		1		12	5					72	2			4		1		
20	X	1	130	162.1	D	5	22	73	7				2				6	4					73	2			3		2	1	
20	X	3	82	163.9	M	0	19	81	10								5	1					10	71			2		1		carb cement [2-3 µm long cistals]
20	X	3	90	163.98	D	5	34	61	8			1	1				15	8			2		61	1					3		
20	X	CC	20	167.04	M	3	37	60	20			1	1	1	1		6	2					61	1			6				
21	X	1	56	170.96	D	1	15	84	1								6	3					84				1		1	4	
21	X	6	37	177.79	D	1	30	69	1								17	8			1		69				1		2	1	
22	X	2	70	181.97	D	1	25	74									24						74				2				
22	X	4	52	184.53	M	3	72	25	2								40	10	2				25				10		11		
23	X	1	68	190.38	D	1	25	74	15								4	1					70				8		2		
23	X	2	130	192.61	D	1	25	74	2						1		10	4	1				74				3		1	4	
24	P	1	25	197.55	D	0	14	86	5								4	1					86	2			2				
25	X	2	35	200.46	D	0	25	75	3								12	4	2				75				2		1	1	
26	X	1	60	209.5	D	2	27	71	11		1						9	2		1			71						1	4	
26	X	4	105	214.09	D	1	20	79	2						1		10	3					79				2		1	2	
26	X	5	52	215.06	D	0	60	40	20								8	4			1		40				1		1	25	
27	X	1	78	219.28	D	1	25	74	5				2				8	1	3			2	74				3	2			
27	X	5	45	224.58	D	0	15	85									5	2					85				3		5		
27	X	CC	43	226.26	M	25	70	5									51	25					5				7		12		
28	X	4	105	233.25	D	1	20	79	2						1		10	3					79				2		1	2	
29	X	1	27	237.97	D	3	35	62	15							1	12	4					62				1		1	4	
29	X	5	144	244.99	D	4	60	36	21	1			1				24	8					36	1			1		1	6	
30	X	1	45	247.85	D	0	44	56	24			1	4		2	1	5	2					56	1			3		1		
30	X	3	77	250.85	M	6	9	85	4			1	1				2	1			1		5	80			1			4	
30	X	5	44	253.05	D	0	15	85	1								7	3			1		85	1			1		1		
30	X	6	45	253.78	M	65	30	5								100															crushed shell frag [white dots in section]
31	X	1	80	257.9	D	5	35	60	24						1		8	4					60	1			1		1		
31	X	5	51	263.57	D	0	20	80									9	6	2				80						3		
32	X	1	93	267.63	D	5	29	66	20	2		1	1		1		2	1			1		66	3			1		1		
32	X	5	90	273.6	D	0	22	78							1		10	4					78				3		2	2	
33	X	2	90	278.7	D	0	38	62	20						1		5	2	2				62	4			3		1		
34	X	1	46	286.36	D	3	29	68	15			1	3				5	2			1		68	2			2		1		

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
Hole C (continued)																															
34	X	6	32	293.68	D	0	21	79	10			1	1				3	1					79	3			2				
35	X	1	42	295.92	D	0	29	71	10	1		1	2			1	5	2	2		1		71	3			1				
Hole D																															
4	E	1	40	125.7	D	2	36	62	30			2					2	1					62	2			1				
5	X	1	12	126.42	M	1	24	75	6	2	2	1			1		7	2			1		73	1			2		2		
5	X	1	44	126.74	D	0	18	82			1						6	3	4		1		81	1			2		1		
5	X	1	72	127.02	M	10	70	20	1																17		1		1	80	not well crushed carb concretion
5	X	2	35	128.15	D	1	24	75									12	7			2		75				2		2		
5	X	3	25	128.99	M	2	24	74	3		1		1		1		6	4	5	1	2	1	73				2				
6	Y	1	24	132.24	D	1	24	75	5			1	1				4	2	6		1		75	1			2		2		
6	Y	1	29	132.29	M	20	70	10				1					41	30	5		2	1	10						10		
7	X	1	70	133.7	D	0	20	80									8	4	4		1		80				2		1		
7	X	4	15	136.01	D	15	45	40	3	4							13	7	5		1	6	40	3			3		10	5	
7	X	4	93	136.79	D	0	56	44	46			4			1		2				1		44				1		1		
8	X	1	48	142.78	D	0	42	58	32			1	4		1		3						57	1			1				
8	X	3	109	146.39	M	85	10	5								5	41	15				20	5	2			2		10		sand
8	X	4	37	146.93	D	0	44	60	26	1	1	1	1	1	1		3						60	3			2				
8	X	5	60	148.16	D	0	34	66	20				2		1		4	2					66	1			3		1		
9	X	1	86	152.76	D	5	43	52	40	1	3				1		1						52	2							
9	X	3	21	155.11	D	0	20	80	4								10	3					80	2			1				
10	P	1	40	155.5	D	22	55	23	2								40	15	2		1		23	1			1		15		
10	P	1	72	155.82	M	95	5	0									40	20	2		2	6					2		15	13	sand
11	X	2	142	159.24	D	0	33	67	3						1		12	6	5		1		67				3		2		
11	X	4	50	161.32	D	2	25	73	5	1	4						9	3	5				69	3					1		
13	Y	1	13	203.73	D	0	18	82	2	1							7	3					82	3			2				
15	X	1	96	219.66	D	1	48	51	6		1				1		22	11			1		51	3			2		2		
15	X	CC	15	225.18	M	50	45	5									50	22			3	2	5				3		15		
16	X	CC	5	228.35	D	0	12	88			1						6	2					87	1			1		2		
16	X	CC	11	228.41	D	0	10	90									1				1		7	90			1				
17	P	1	44	246.44	D	1	25	74	3				1		1		10	3			1		74				2		1	4	
17	P	1	89	246.89	M	0	100	0	2				87		1		6											3	1		
Hole E																															
2	P	1	30	40.3	D	1	26	73							1		12	6					72	2			3		4		
3	P	1	6	80.06	M	60	30	10	1								55	20			2		10				2		3	7	
3	P	1	35	80.35	D	1	60	39	40					1			11	5			1		39	1			1		1		
4	E	2	4	128.04	M	0	90	10									70	20	10												sharp angular grains, former ash ?
4	E	2	17	128.17	D	2	20	78	6	1		2					7	2	2				76	1			2		1		

Sample reference						Texture			Biogenic							Mineral															
Core	Type	Section	Top (cm)	Bottom (cm)	Lithology	Sand	Silt	Clay	Diatoms	Foraminifers	Nannofossils	Radiolarians	Siliceous spicules & others	Silicoflagellates	Organic debris	Quartz	Feldspar	Volcanic glass	Muscovite	Biotite	Glauconite	Clay minerals	Carbonate	Calcite	Dolomite	Opaques	Rock fragments	Pyrite	Accessory minerals	Total	Comments
Hole C																															
17	X	7	13	18	M	4	2	94							1	4	2						87			5			1	100	micrite with clotted texture, bioturbation? (1)
18	X	3	105	112	M	6	38	56								2	1				3				94					100	dolomitic rock (stochiometric) micritic (clotted texture) and microsparitic
24	P	1	16	18	M	17	3	80							2	2	1				10		80			5				100	(9 mol% MgCO3) Calcite + (41 mol% MgCO3) Dol, micritic
24	P	1	39	48	M	10	19	71	2							2					10		71			15				100	(6 mol% MgCO3) Calcite + (39 mol% MgCO3) Dol
24	P	1	59	63	M	3	17	80	15							3							77			5				100	(47 mol% MgCO3) Dolomite, lot of biogenic remains
24	P	1	60	63	M	3	22	75								2							75			20			3	100	(14 mol% MgCO3) Calcite (2)
Hole D																															
5	X	1	65	75	M	0	10	90								5							90						5	100	(44 mol% MgCO3) Dolomite + (6 mol% MgCO3) Calcite (3)

(1) in VCD, Sc 7 = last section = CC with carbonate cement but no carbonate rock

(2) broken: only one half

(3): center of the thin section without material left, foram and lamellibranch-rich; silt lense