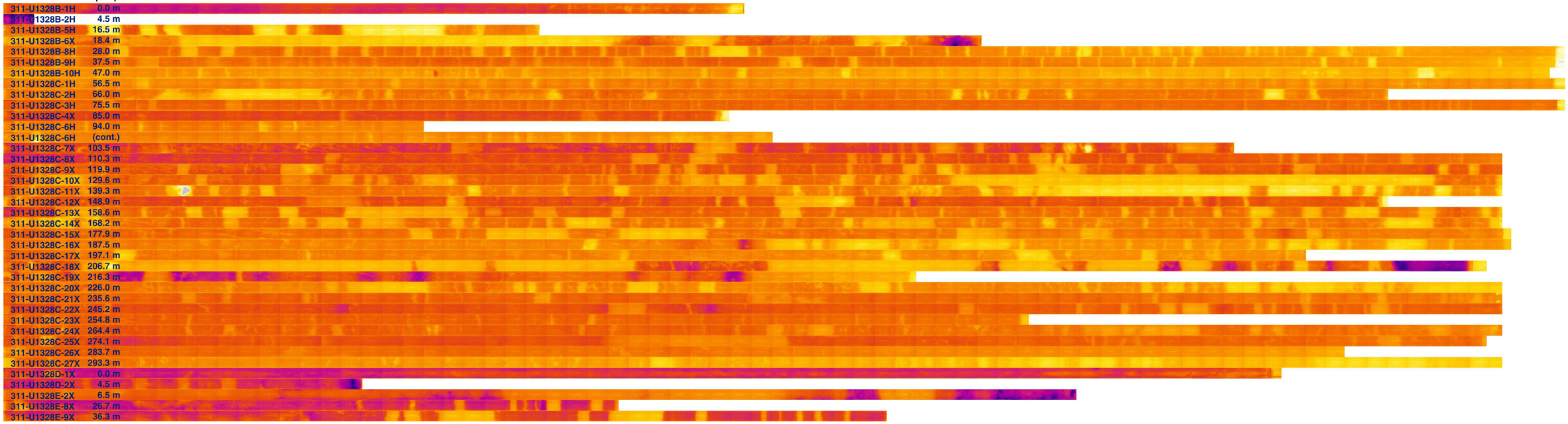
Expedition 311 Site U1328 composite infrared image

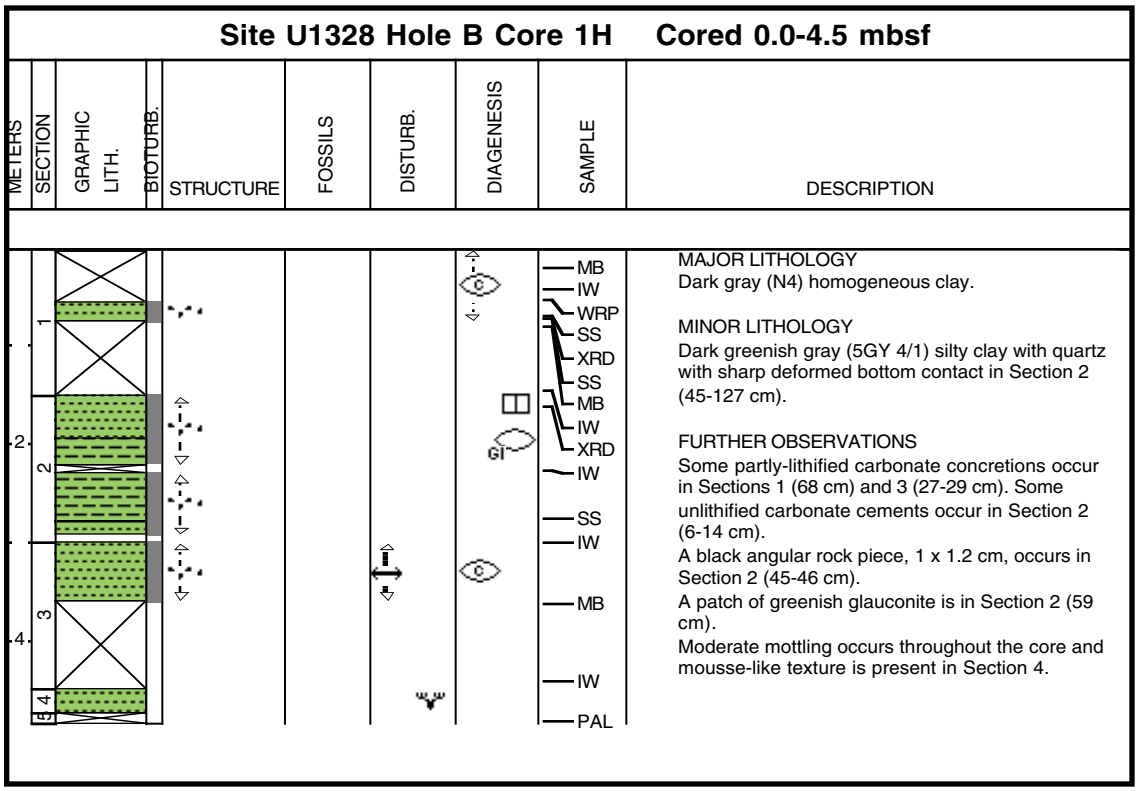
Select the core name to view its individual infrared image.

4° Temperature scale (°C) 15°

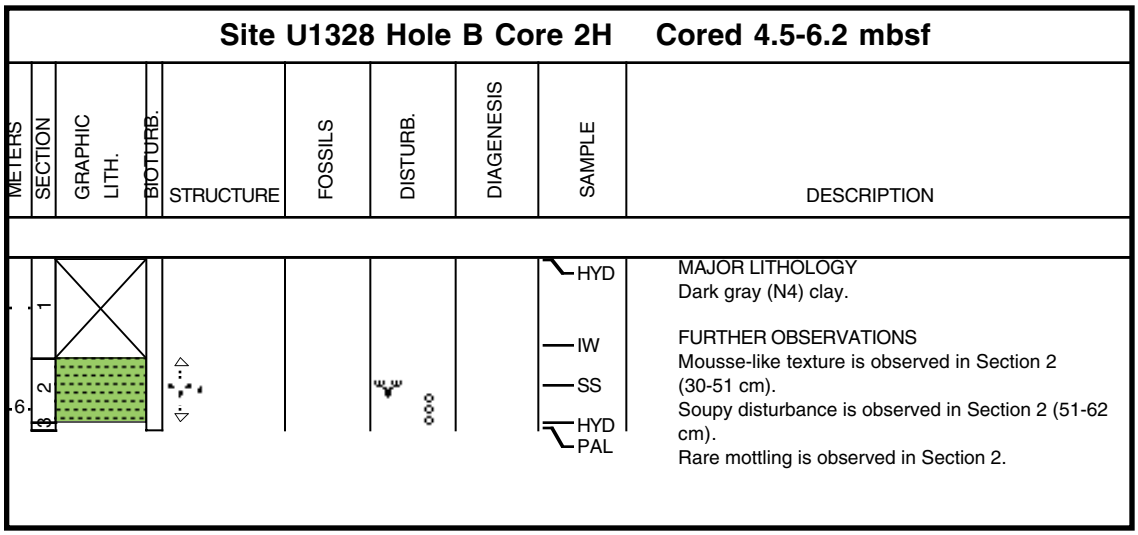
Core	Top depth
311-U1328B-1H	0.0 m
311-U1328B-2H	4.5 m
311-U1328B-5H	16.5 m
311-U1328B-6X	18.4 m
311-U1328B-8H	28.0 m
311-U1328B-9H	37.5 m
311-U1328B-10H	47.0 m
311-U1328C-1H	56.5 m
311-U1328C-2H	66.0 m
311-U1328C-3H	75.5 m
311-U1328C-4X	85.0 m
311-U1328C-6H	94.0 m
311-U1328C-6H	(cont.)
311-U1328C-7X	103.5 m
311-U1328C-8X	110.3 m
311-U1328C-9X	119.9 m
311-U1328C-10X	129.6 m
311-U1328C-11X	139.3 m
311-U1328C-12X	148.9 m
311-U1328C-13X	158.6 m
311-U1328C-14X	168.2 m
311-U1328C-15X	177.9 m
311-U1328C-16X	187.5 m
311-U1328C-17X	197.1 m
311-U1328C-18X	206.7 m
311-U1328C-19X	216.3 m
311-U1328C-20X	226.0 m
311-U1328C-21X	235.6 m
311-U1328C-22X	245.2 m
311-U1328C-23X	254.8 m
311-U1328C-24X	264.4 m
311-U1328C-25X	274.1 m
311-U1328C-26X	283.7 m
311-U1328C-27X	293.3 m
311-U1328D-1X	0.0 m
311-U1328D-2X	4.5 m
311-U1328E-2X	6.5 m
311-U1328E-8X	26.7 m
311-U1328E-9X	36.3 m



Core Photo

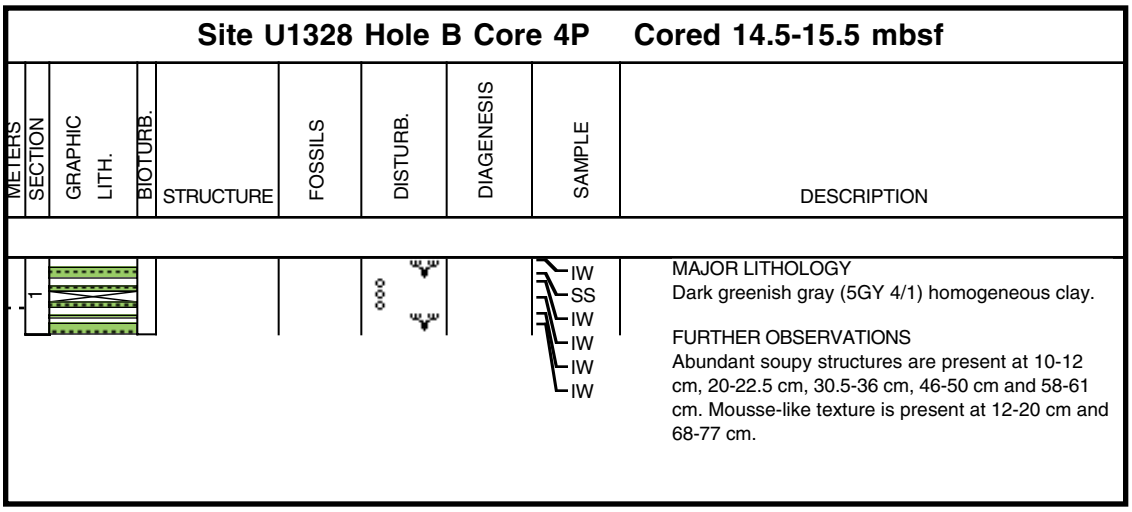

Site U1328 Hole B Core 1H Cored 0.0-4.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
MB
IW
WRP
SS
XRD
SS
MB
IW
XRD
IW
SS
IW
MB
IW
PAL
MAJOR LITHOLOGY
Dark gray (N4) homogeneous clay.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay with quartz with sharp deformed bottom contact in Section 2 (45-127 cm).
FURTHER OBSERVATIONS
Some partly-lithified carbonate concretions occur in Sections 1 (68 cm) and 3 (27-29 cm). Some unlithified carbonate cements occur in Section 2 (6-14 cm).
A black angular rock piece, 1 x 1.2 cm, occurs in Section 2 (45-46 cm).
A patch of greenish glauconite is in Section 2 (59 cm).
Moderate mottling occurs throughout the core and mousse-like texture is present in Section 4.

Core Photo

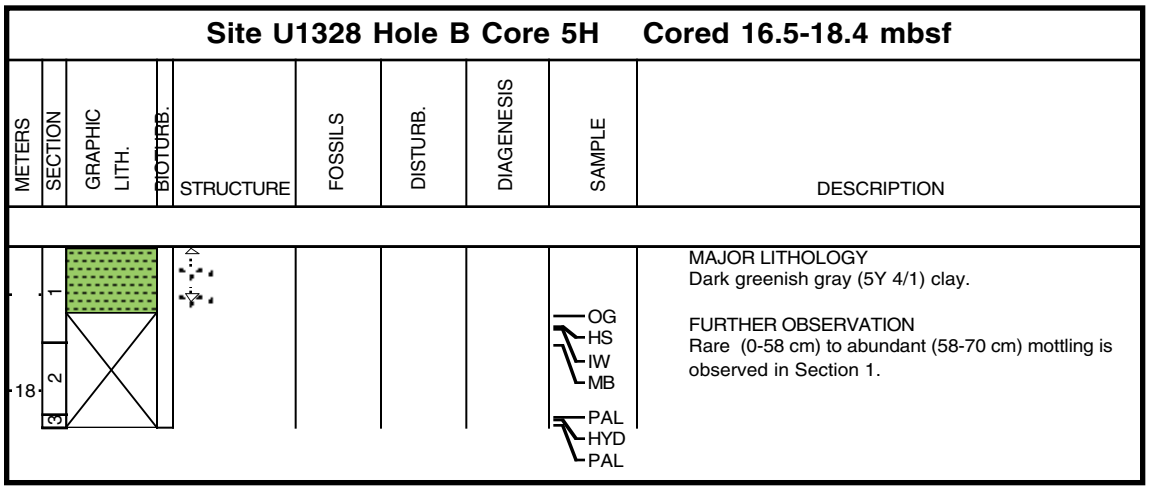


U1328B-3X No recovery

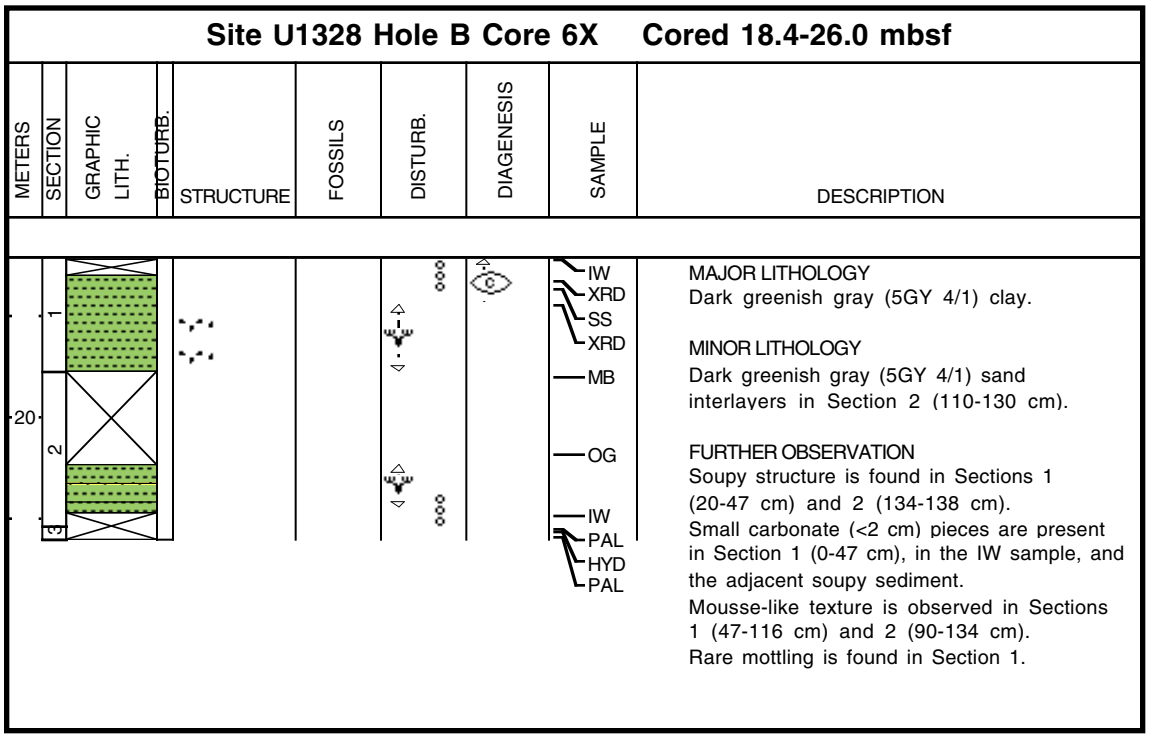
Core Photo


Site U1328 Hole B Core 4P Cored 14.5-15.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
IW
SS
IW
IW
IW
IW
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous clay.
FURTHER OBSERVATIONS
Abundant soupy structures are present at 10-12 cm, 20-22.5 cm, 30.5-36 cm, 46-50 cm and 58-61 cm. Mousse-like texture is present at 12-20 cm and 68-77 cm.

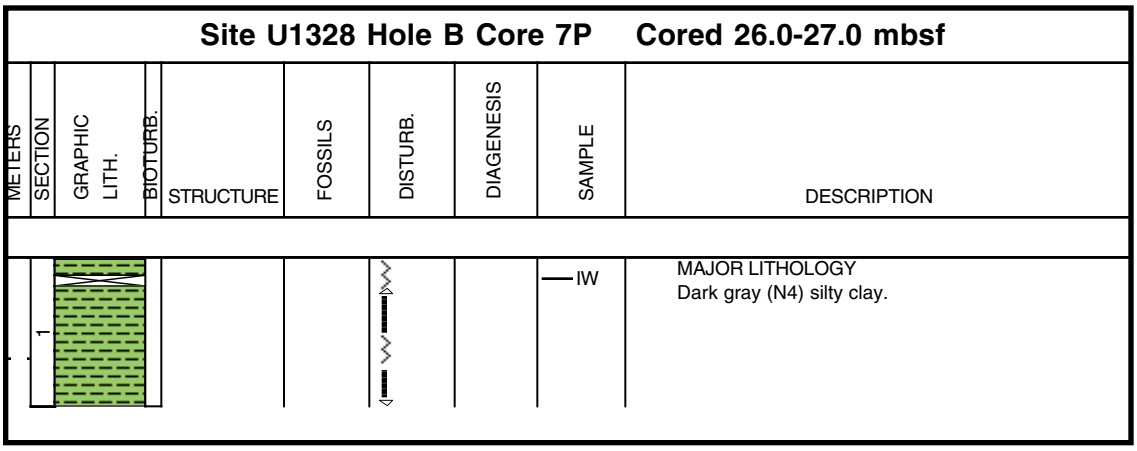
Core Photo


Site U1328 Hole B Core 5H Cored 16.5-18.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
18
1
2
3
OG
HS
IW
MB
PAL
HYD
PAL
MAJOR LITHOLOGY
Dark greenish gray (5Y 4/1) clay.
FURTHER OBSERVATION
Rare (0-58 cm) to abundant (58-70 cm) mottling is observed in Section 1.

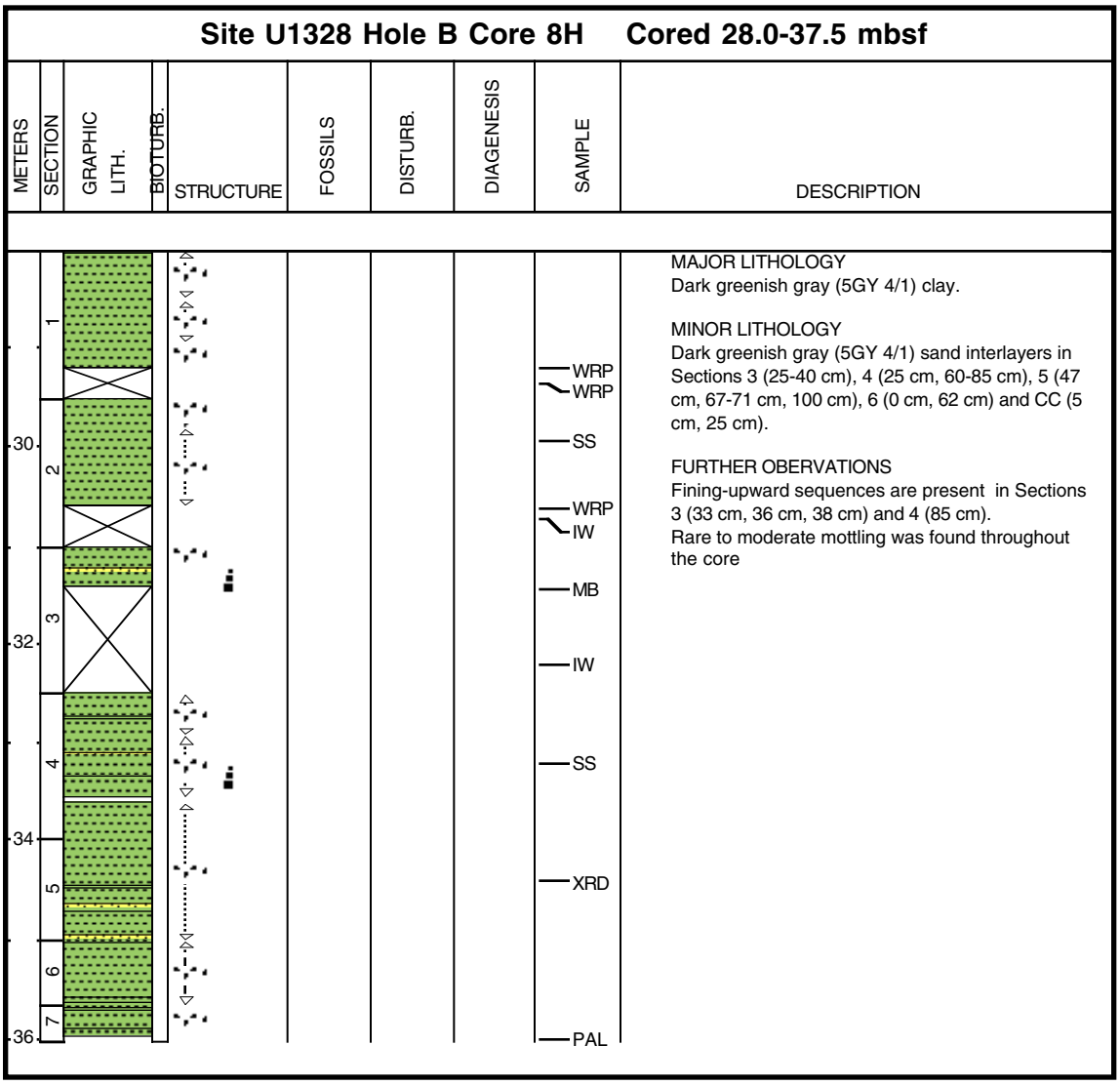
Core Photo


Site U1328 Hole B Core 6X Cored 18.4-26.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
20
1
2
3
IW
XRD
SS
XRD
MB
OG
IW
PAL
HYD
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) clay.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) sand interlayers in Section 2 (110-130 cm).
FURTHER OBSERVATION
Soupy structure is found in Sections 1 (20-47 cm) and 2 (134-138 cm).
Small carbonate (<2 cm) pieces are present in Section 1 (0-47 cm), in the IW sample, and the adjacent soupy sediment.
Mousse-like texture is observed in Sections 1 (47-116 cm) and 2 (90-134 cm).
Rare mottling is found in Section 1.

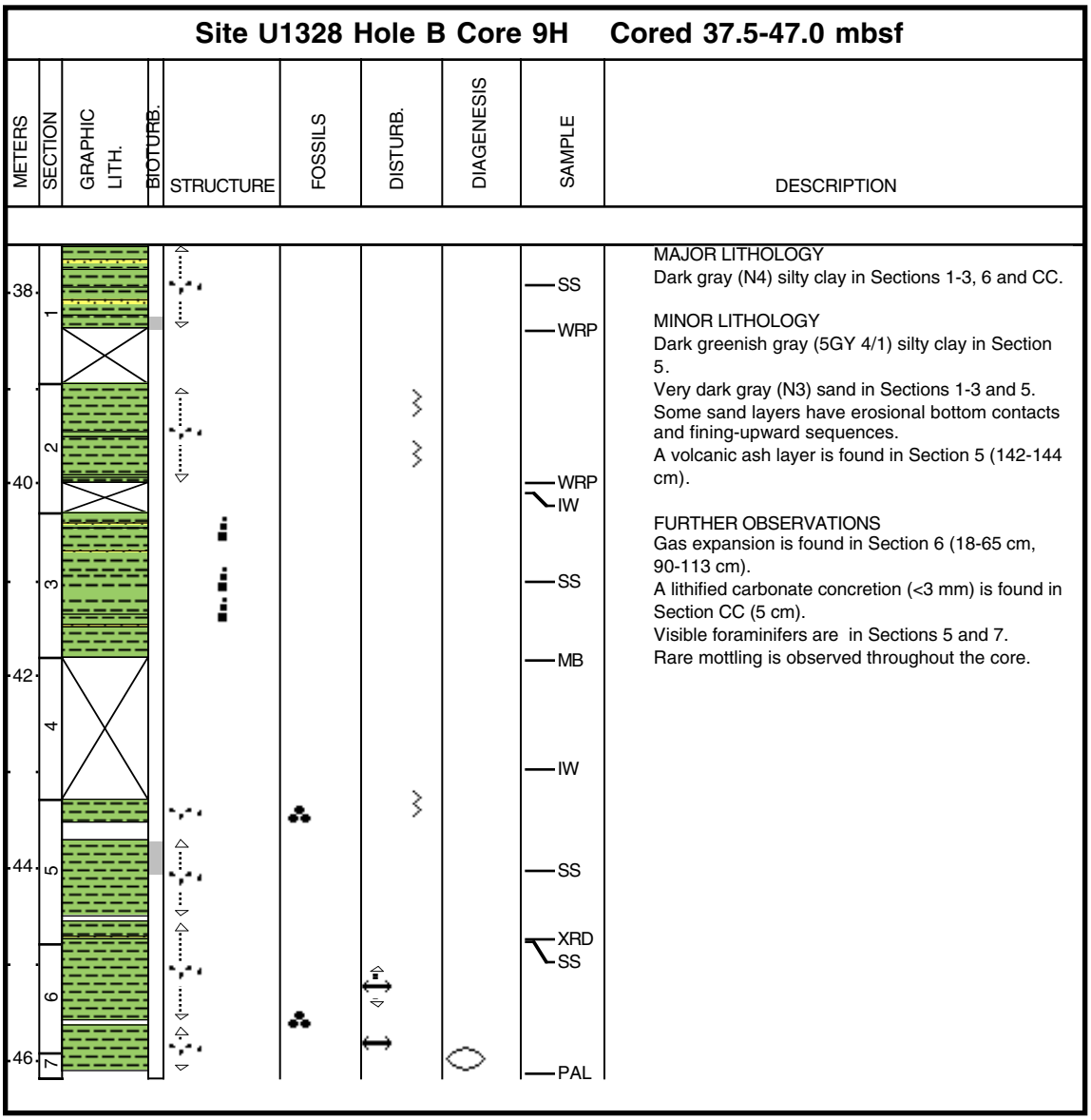
Core Photo


Site U1328 Hole B Core 7P Cored 26.0-27.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
IW
MAJOR LITHOLOGY
Dark gray (N4) silty clay.

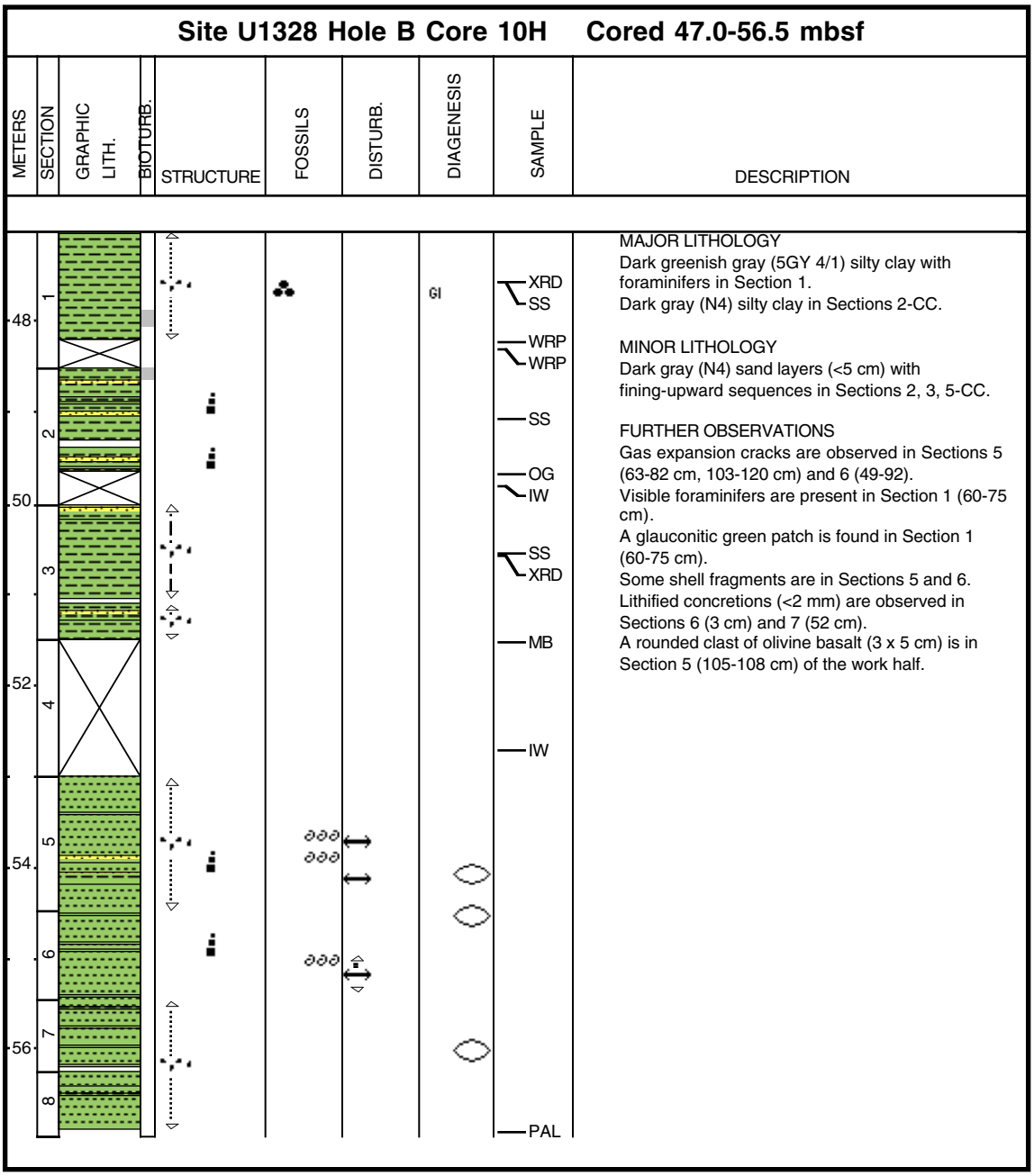
Core Photo


Site U1328 Hole B Core 8H Cored 28.0-37.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
30
32
34
36
1
2
3
4
5
6
7
WRP
WRP
SS
WRP
IW
MB
IW
SS
XRD
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) clay.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) sand interlayers in Sections 3 (25-40 cm), 4 (25 cm, 60-85 cm), 5 (47 cm, 67-71 cm, 100 cm), 6 (0 cm, 62 cm) and CC (5 cm, 25 cm).
FURTHER OBERVATIONS
Fining-upward sequences are present in Sections 3 (33 cm, 36 cm, 38 cm) and 4 (85 cm).
Rare to moderate mottling was found throughout the core

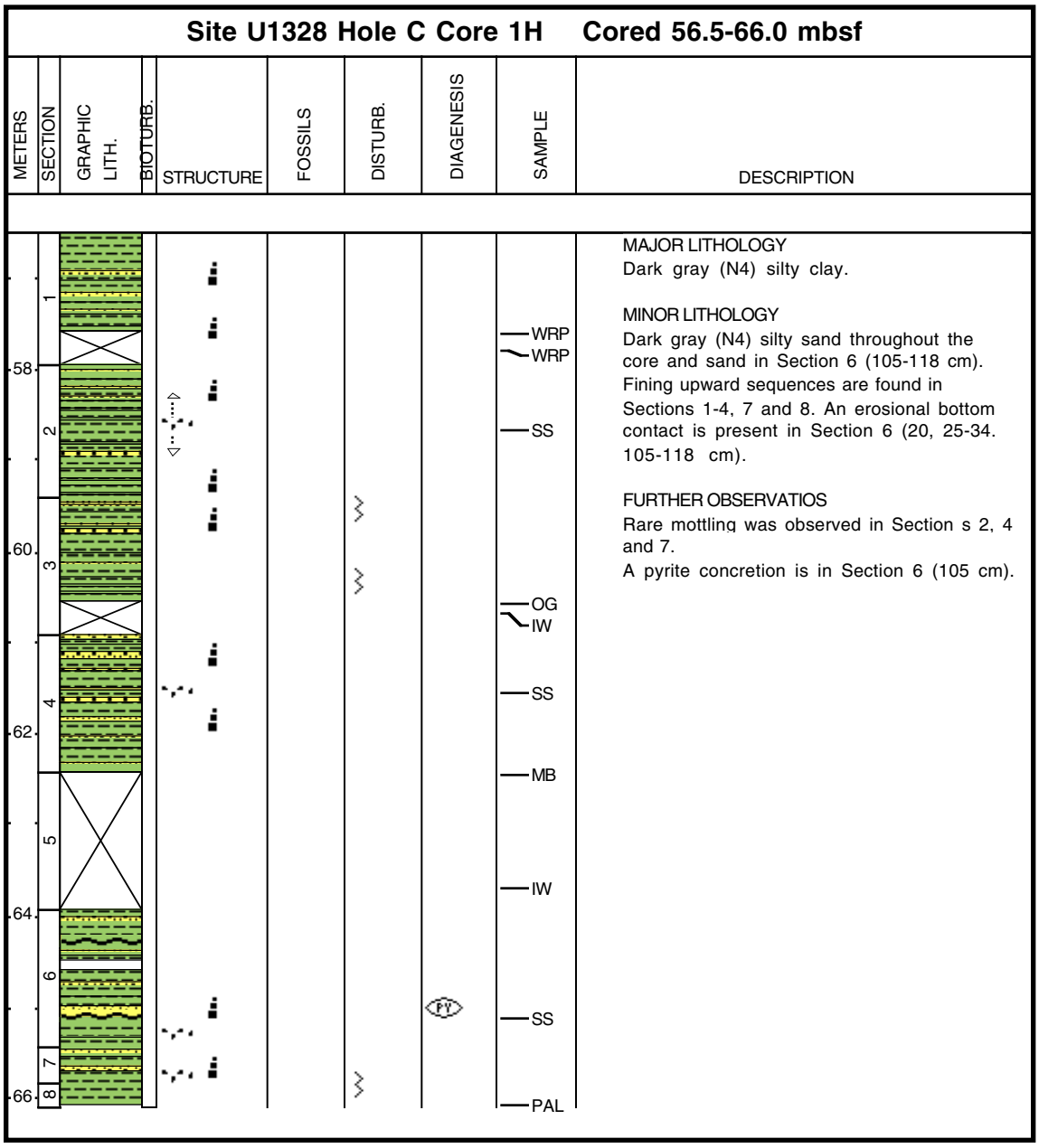
Core Photo


Site U1328 Hole B Core 9H Cored 37.5-47.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
38
40
42
44
46
1
2
3
4
5
6
7
SS
WRP
WRP
IW
SS
MB
IW
SS
XRD
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay in Sections 1-3, 6 and CC.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay in Section 5.
Very dark gray (N3) sand in Sections 1-3 and 5.
Some sand layers have erosional bottom contacts and fining-upward sequences.
A volcanic ash layer is found in Section 5 (142-144 cm).
FURTHER OBSERVATIONS
Gas expansion is found in Section 6 (18-65 cm, 90-113 cm).
A lithified carbonate concretion (<3 mm) is found in Section CC (5 cm).
Visible foraminifers are in Sections 5 and 7.
Rare mottling is observed throughout the core.

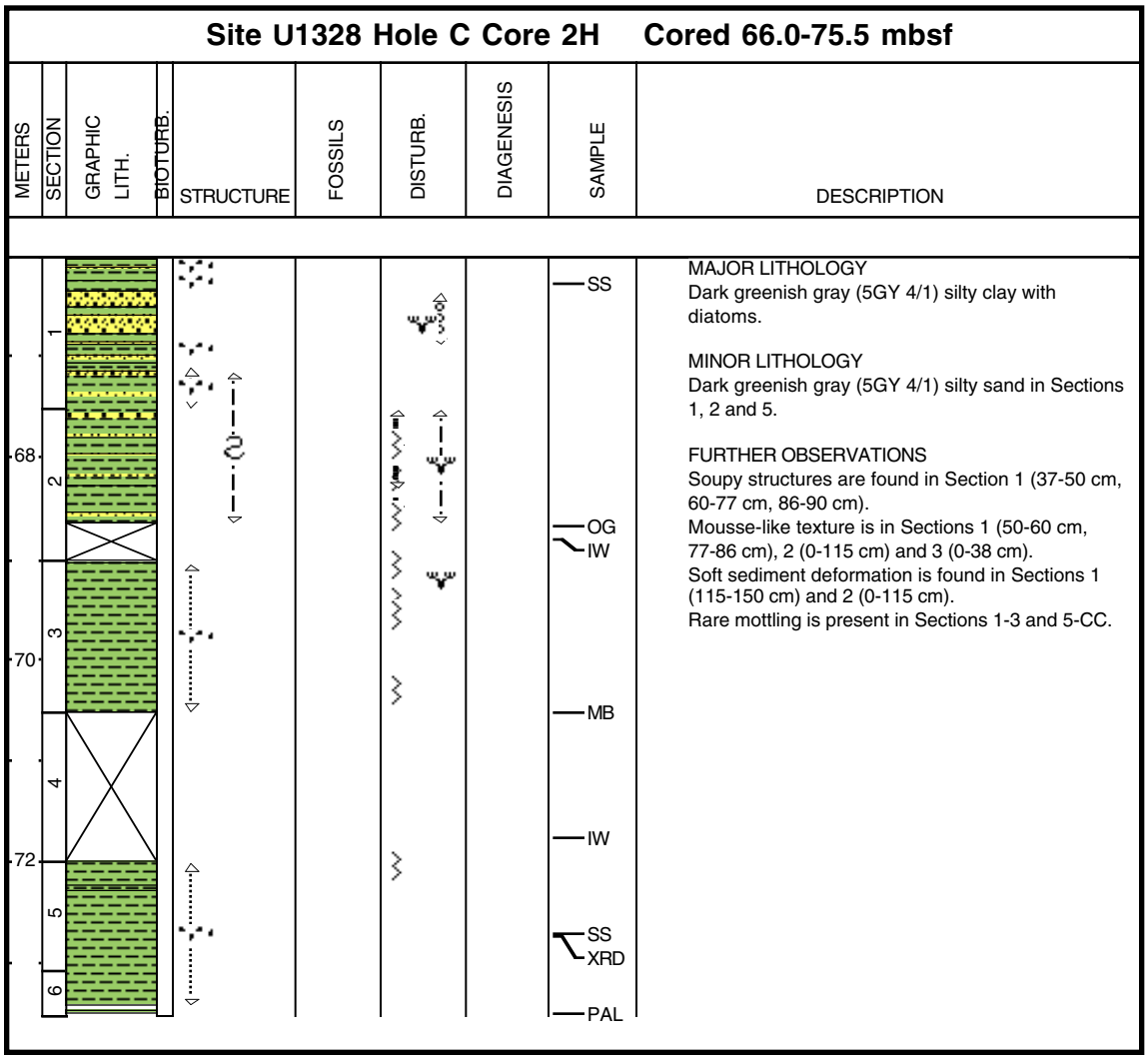
Core Photo


Site U1328 Hole B Core 10H Cored 47.0-56.5 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
GI
XRD
SS
WRP
WRP
SS
OG
IW
SS
XRD
MB
IW
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay with foraminifers in Section 1.
Dark gray (N4) silty clay in Sections 2-CC.
MINOR LITHOLOGY
Dark gray (N4) sand layers (<5 cm) with fining-upward sequences in Sections 2, 3, 5-CC.
FURTHER OBSERVATIONS
Gas expansion cracks are observed in Sections 5 (63-82 cm, 103-120 cm) and 6 (49-92).
Visible foraminifers are present in Section 1 (60-75 cm).
A glauconitic green patch is found in Section 1 (60-75 cm).
Some shell fragments are in Sections 5 and 6.
Lithified concretions (<2 mm) are observed in Sections 6 (3 cm) and 7 (52 cm).
A rounded clast of olivine basalt (3 x 5 cm) is in Section 5 (105-108 cm) of the work half.

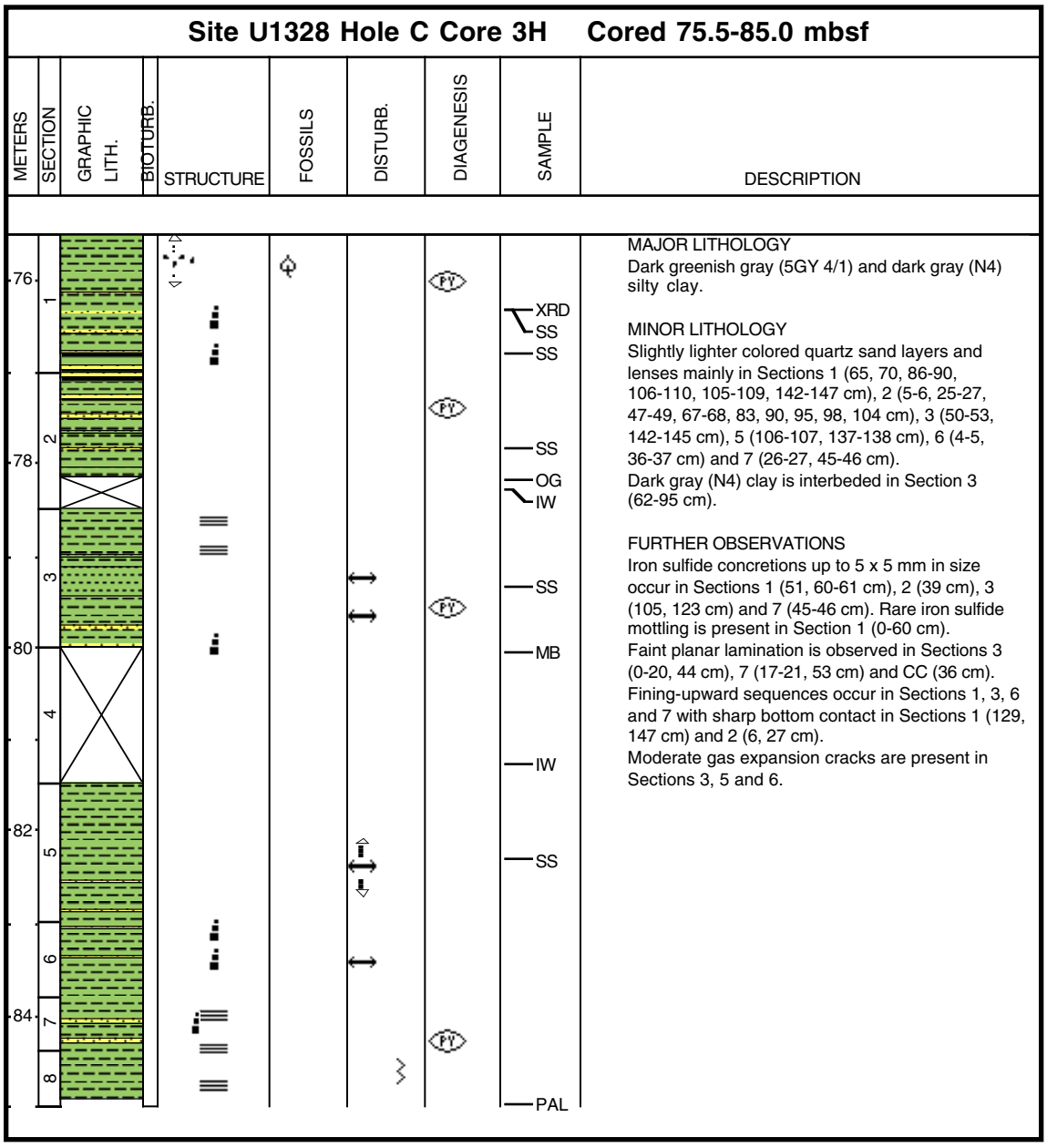
Core Photo


Site U1328 Hole C Core 1H Cored 56.5-66.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
58
60
62
64
66
1
2
3
4
5
6
7
8
WRP
WRP
SS
OG
IW
SS
MB
IW
PY
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark gray (N4) silty sand throughout the core and sand in Section 6 (105-118 cm). Fining upward sequences are found in Sections 1-4, 7 and 8. An erosional bottom contact is present in Section 6 (20, 25-34. 105-118 cm).
FURTHER OBSERVATIOS
Rare mottling was observed in Section s 2, 4 and 7.
A pyrite concretion is in Section 6 (105 cm).

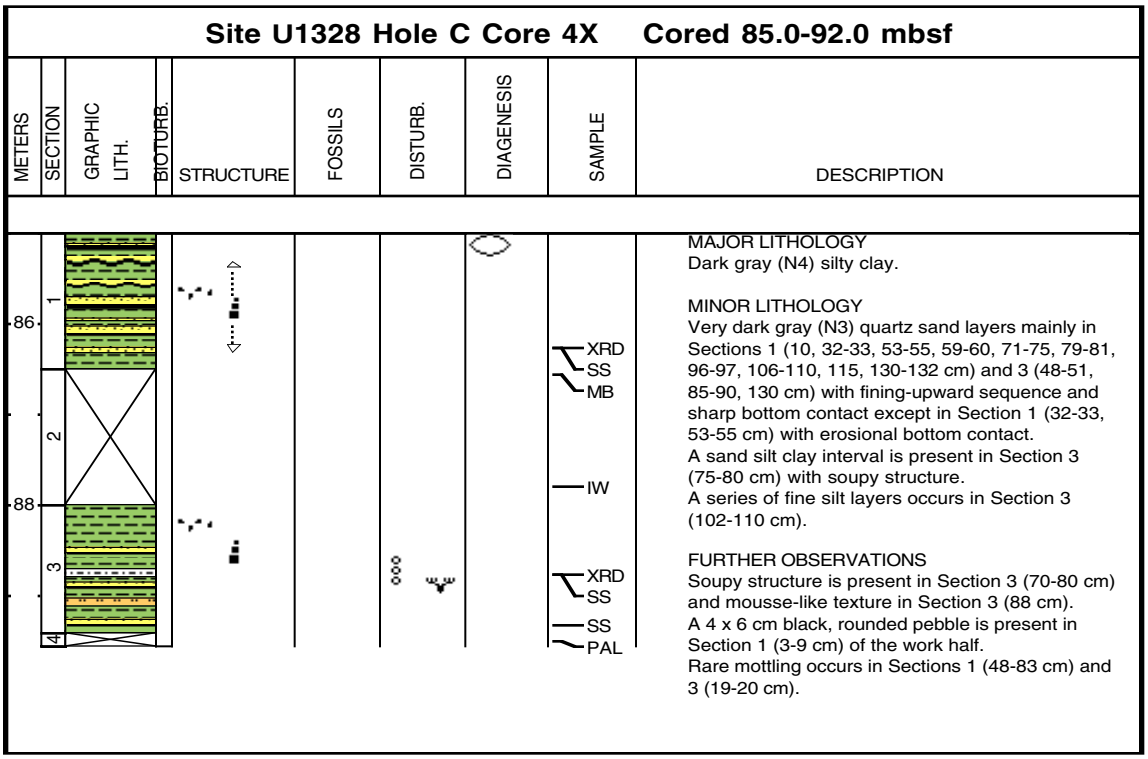
Core Photo


Site U1328 Hole C Core 2H Cored 66.0-75.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
68
70
72
1
2
3
4
5
6
SS
OG
IW
MB
IW
SS
XRD
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay with diatoms.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty sand in Sections 1, 2 and 5.
FURTHER OBSERVATIONS
Soupy structures are found in Section 1 (37-50 cm, 60-77 cm, 86-90 cm).
Mousse-like texture is in Sections 1 (50-60 cm, 77-86 cm), 2 (0-115 cm) and 3 (0-38 cm).
Soft sediment deformation is found in Sections 1 (115-150 cm) and 2 (0-115 cm).
Rare mottling is present in Sections 1-3 and 5-CC.

Core Photo


Site U1328 Hole C Core 3H Cored 75.5-85.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
76
78
80
82
84
1
2
3
4
5
6
7
8
PY
XRD
SS
SS
SS
OG
IW
SS
MB
IW
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) and dark gray (N4) silty clay.
MINOR LITHOLOGY
Slightly lighter colored quartz sand layers and lenses mainly in Sections 1 (65, 70, 86-90, 106-110, 105-109, 142-147 cm), 2 (5-6, 25-27, 47-49, 67-68, 83, 90, 95, 98, 104 cm), 3 (50-53, 142-145 cm), 5 (106-107, 137-138 cm), 6 (4-5, 36-37 cm) and 7 (26-27, 45-46 cm).
Dark gray (N4) clay is interbeded in Section 3 (62-95 cm).
FURTHER OBSERVATIONS
Iron sulfide concretions up to 5 x 5 mm in size occur in Sections 1 (51, 60-61 cm), 2 (39 cm), 3 (105, 123 cm) and 7 (45-46 cm). Rare iron sulfide mottling is present in Section 1 (0-60 cm).
Faint planar lamination is observed in Sections 3 (0-20, 44 cm), 7 (17-21, 53 cm) and CC (36 cm).
Fining-upward sequences occur in Sections 1, 3, 6 and 7 with sharp bottom contact in Sections 1 (129, 147 cm) and 2 (6, 27 cm).
Moderate gas expansion cracks are present in Sections 3, 5 and 6.

Core Photo

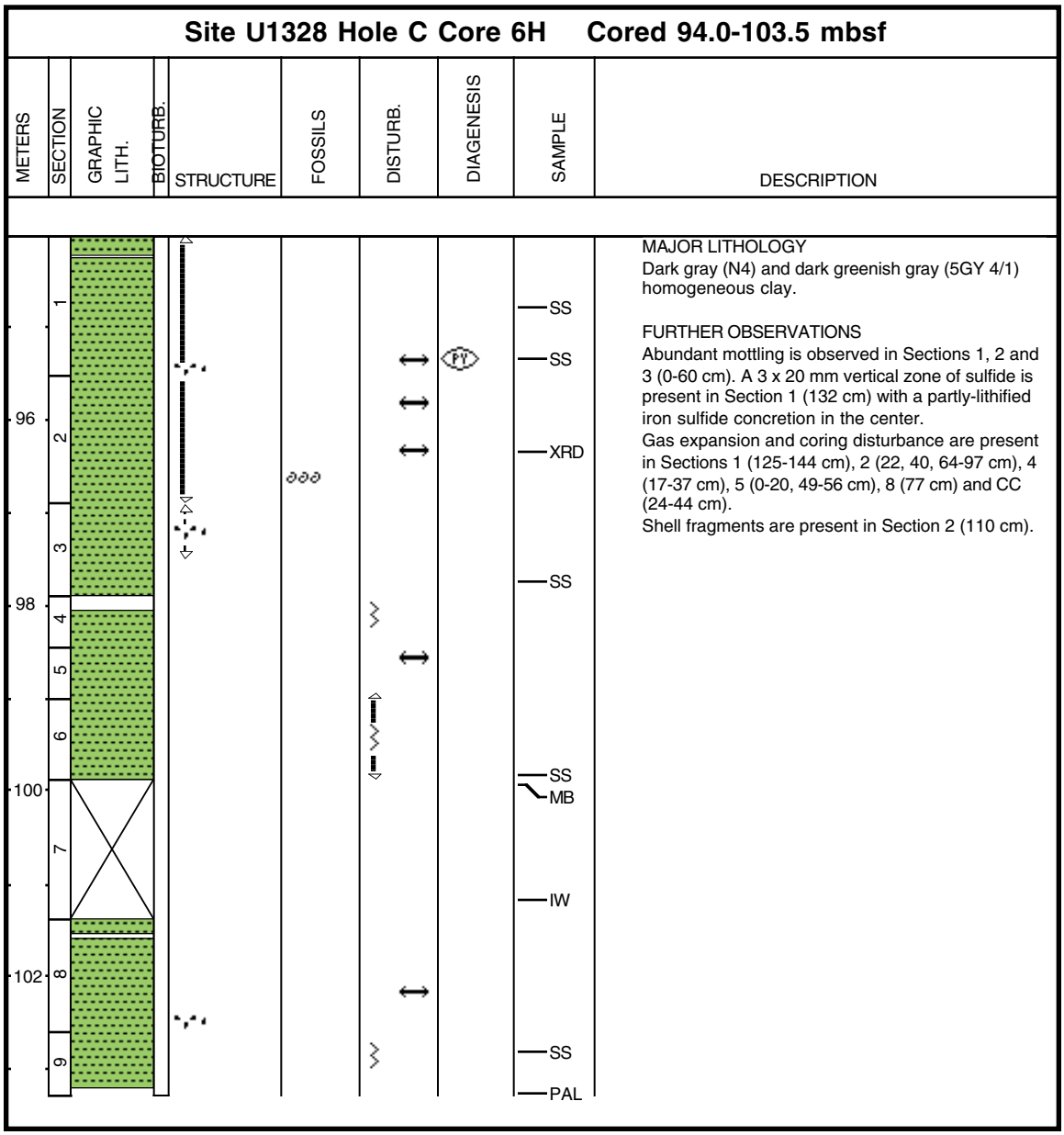

Site U1328 Hole C Core 4X Cored 85.0-92.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
86
88
1
2
3
4
XRD
SS
MB
IW
XRD
SS
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Very dark gray (N3) quartz sand layers mainly in Sections 1 (10, 32-33, 53-55, 59-60, 71-75, 79-81, 96-97, 106-110, 115, 130-132 cm) and 3 (48-51, 85-90, 130 cm) with fining-upward sequence and sharp bottom contact except in Section 1 (32-33, 53-55 cm) with erosional bottom contact.
A sand silt clay interval is present in Section 3 (75-80 cm) with soupy structure.
A series of fine silt layers occurs in Section 3 (102-110 cm).
FURTHER OBSERVATIONS
Soupy structure is present in Section 3 (70-80 cm) and mousse-like texture in Section 3 (88 cm).
A 4 x 6 cm black, rounded pebble is present in Section 1 (3-9 cm) of the work half.
Rare mottling occurs in Sections 1 (48-83 cm) and 3 (19-20 cm).

Core Photo

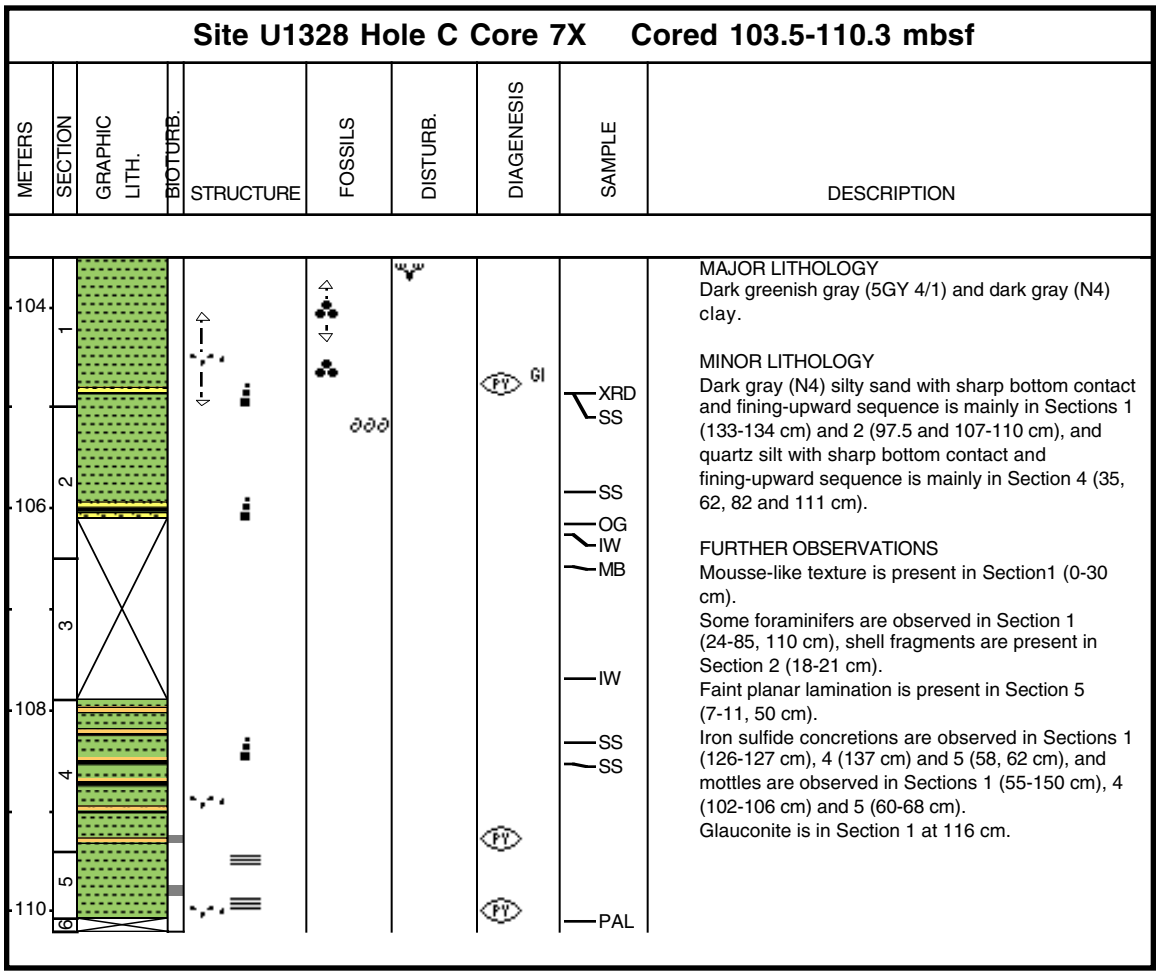
Site U1328 Hole C Core 5P Cored 92.0-93.0 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	DIAGENESIS	SAMPLE	DESCRIPTION
	1						C	IW IW SS IW	MAJOR LITHOLOGY Dark greenish gray (5GY 4/1) silty clay. FURTHER OBSERVATIONS Carbonate concretions in working half in Section 1 (0-2 cm). Rare mottling are oberved in Section 1 (70-96 cm).

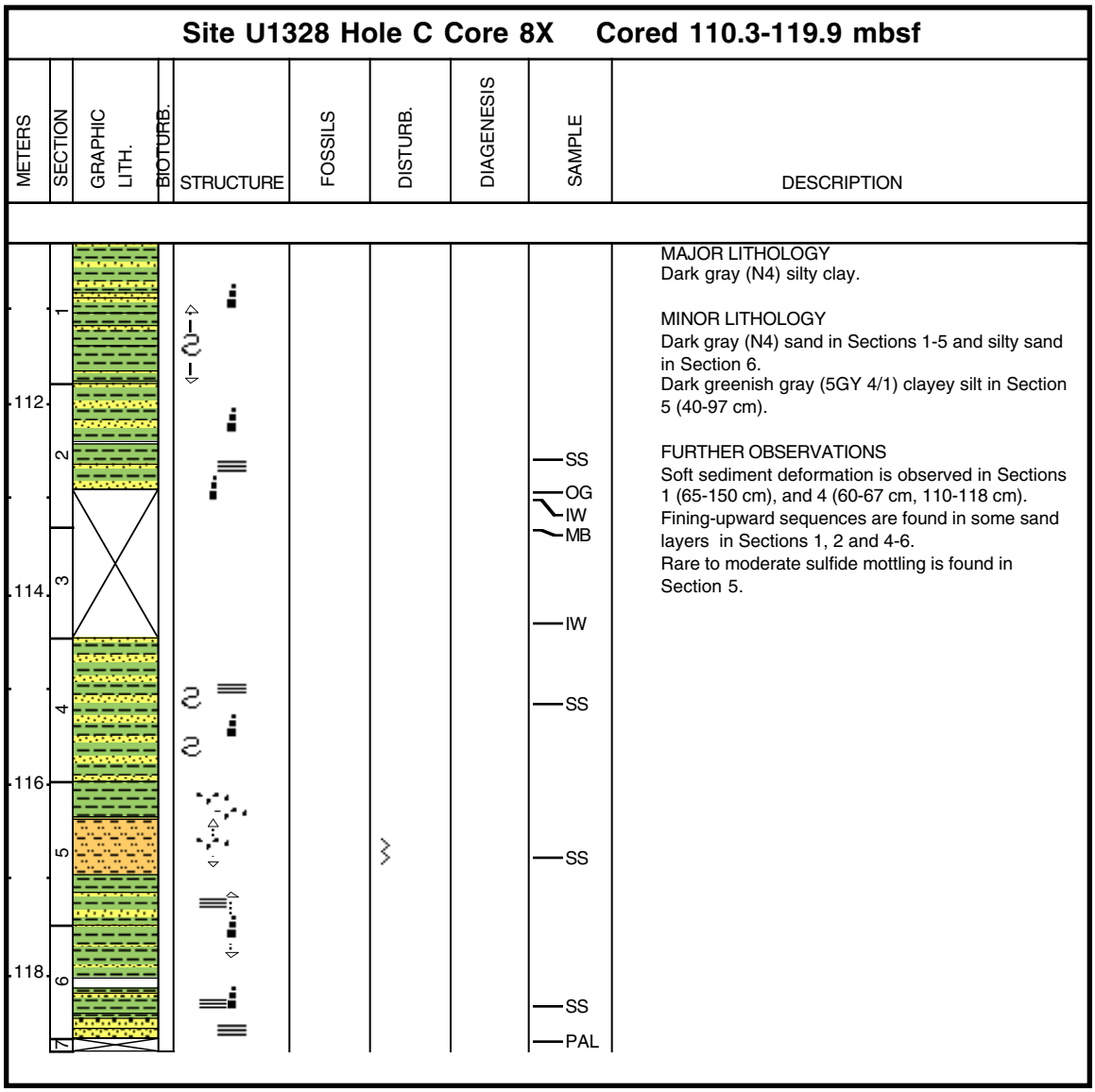
Core Photo


Site U1328 Hole C Core 6H Cored 94.0-103.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
96
98
100
102
1
2
3
4
5
6
7
8
9
SS
SS
XRD
SS
SS
MB
IW
SS
PAL
PY
MAJOR LITHOLOGY
Dark gray (N4) and dark greenish gray (5GY 4/1) homogeneous clay.
FURTHER OBSERVATIONS
Abundant mottling is observed in Sections 1, 2 and 3 (0-60 cm). A 3 x 20 mm vertical zone of sulfide is present in Section 1 (132 cm) with a partly-lithified iron sulfide concretion in the center.
Gas expansion and coring disturbance are present in Sections 1 (125-144 cm), 2 (22, 40, 64-97 cm), 4 (17-37 cm), 5 (0-20, 49-56 cm), 8 (77 cm) and CC (24-44 cm).
Shell fragments are present in Section 2 (110 cm).

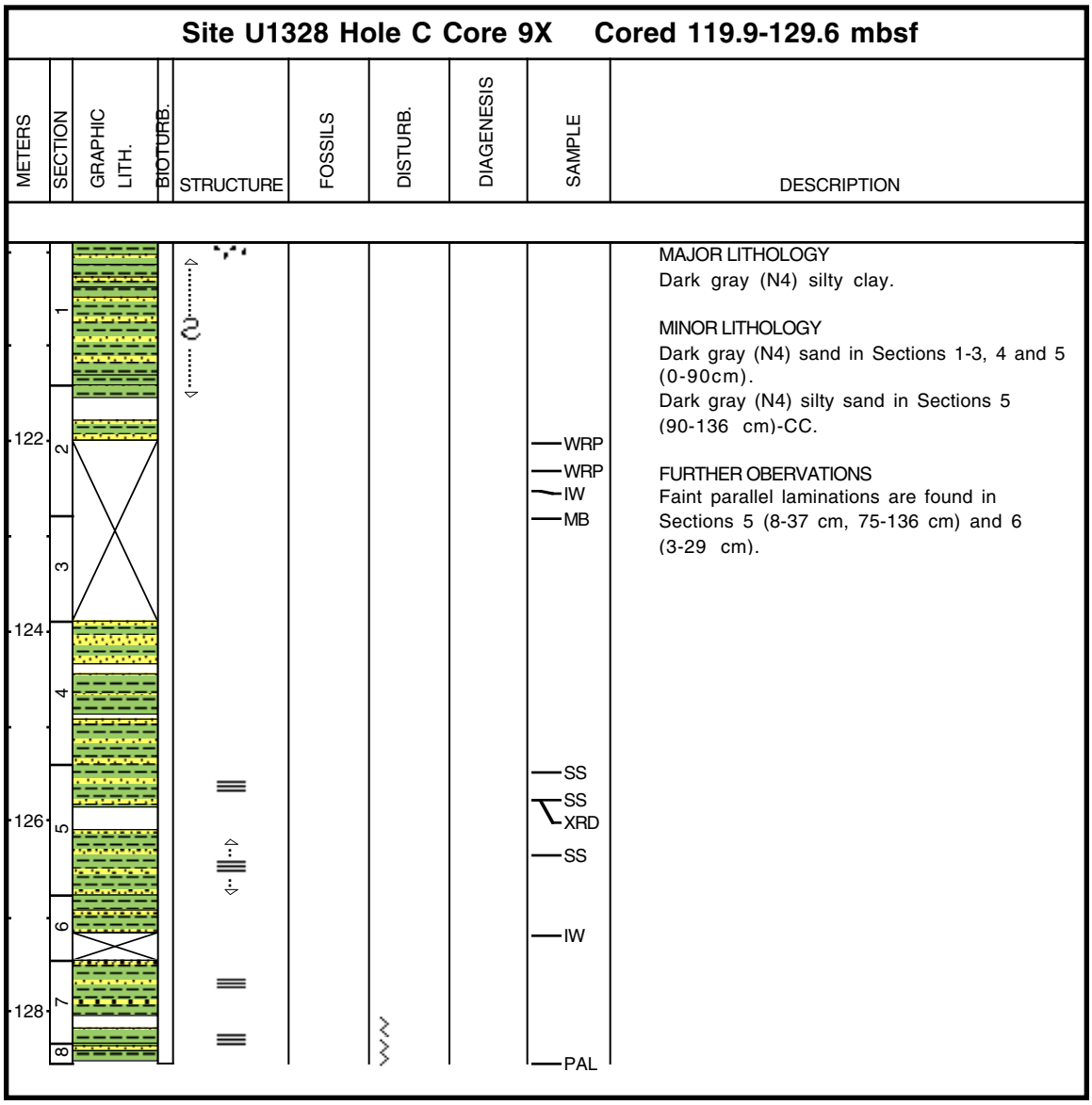
Core Photo


Site U1328 Hole C Core 7X Cored 103.5-110.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
104
106
108
110
1
2
3
4
5
6
GI
XRD
SS
SS
OG
IW
MB
IW
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) and dark gray (N4) clay.
MINOR LITHOLOGY
Dark gray (N4) silty sand with sharp bottom contact and fining-upward sequence is mainly in Sections 1 (133-134 cm) and 2 (97.5 and 107-110 cm), and quartz silt with sharp bottom contact and fining-upward sequence is mainly in Section 4 (35, 62, 82 and 111 cm).
FURTHER OBSERVATIONS
Mousse-like texture is present in Section1 (0-30 cm).
Some foraminifers are observed in Section 1 (24-85, 110 cm), shell fragments are present in Section 2 (18-21 cm).
Faint planar lamination is present in Section 5 (7-11, 50 cm).
Iron sulfide concretions are observed in Sections 1 (126-127 cm), 4 (137 cm) and 5 (58, 62 cm), and mottles are observed in Sections 1 (55-150 cm), 4 (102-106 cm) and 5 (60-68 cm).
Glauconite is in Section 1 at 116 cm.

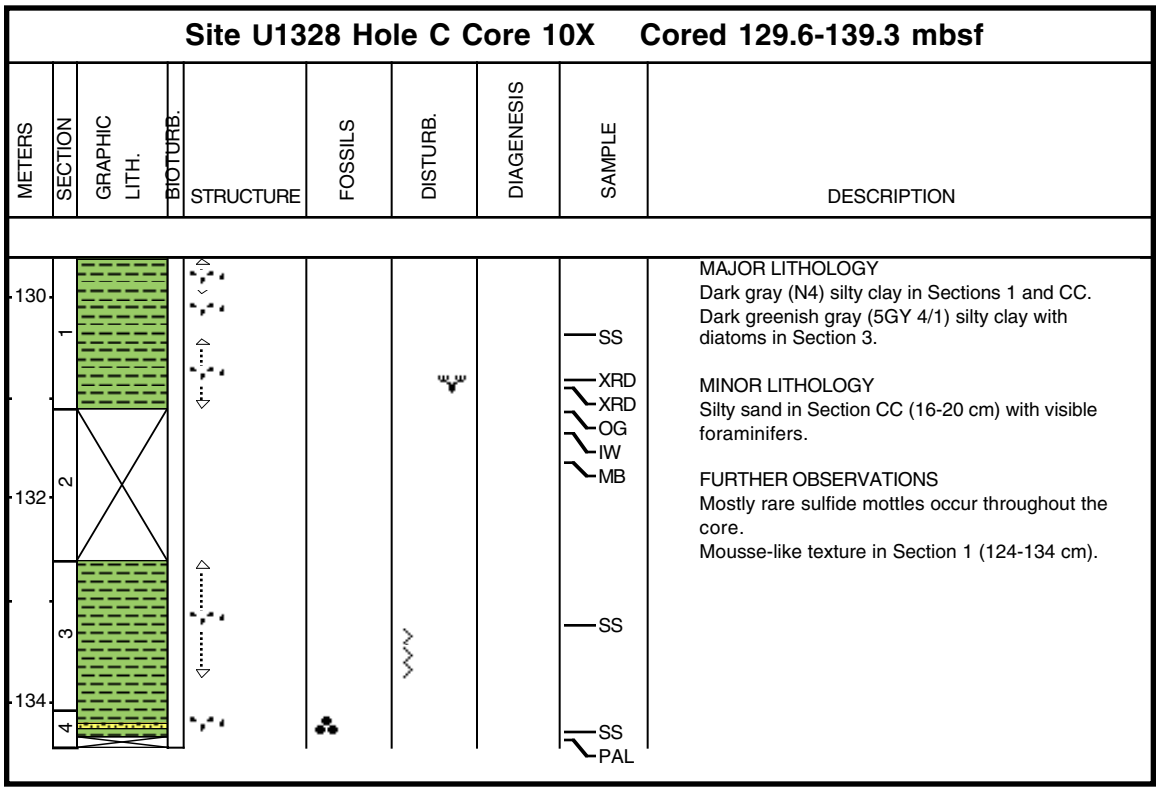
Core Photo


Site U1328 Hole C Core 8X Cored 110.3-119.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
112
114
116
118
1
2
3
4
5
6
7
SS
OG
IW
MB
IW
SS
SS
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark gray (N4) sand in Sections 1-5 and silty sand in Section 6.
Dark greenish gray (5GY 4/1) clayey silt in Section 5 (40-97 cm).
FURTHER OBSERVATIONS
Soft sediment deformation is observed in Sections 1 (65-150 cm), and 4 (60-67 cm, 110-118 cm).
Fining-upward sequences are found in some sand layers in Sections 1, 2 and 4-6.
Rare to moderate sulfide mottling is found in Section 5.

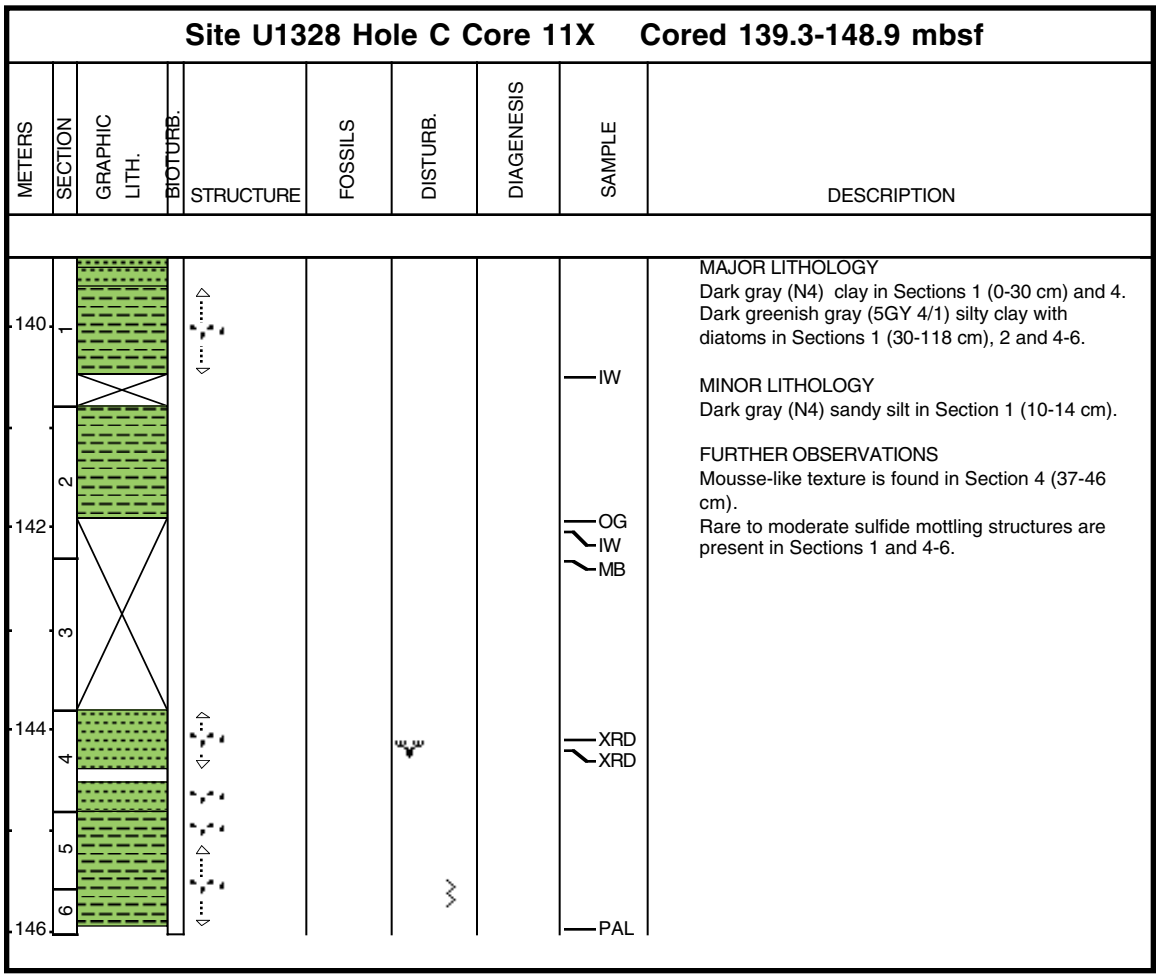
Core Photo


Site U1328 Hole C Core 9X Cored 119.9-129.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
122
124
126
128
1
2
3
4
5
6
7
8
WRP
WRP
IW
MB
SS
SS
XRD
SS
IW
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark gray (N4) sand in Sections 1-3, 4 and 5 (0-90cm).
Dark gray (N4) silty sand in Sections 5 (90-136 cm)-CC.
FURTHER OBERVATIONS
Faint parallel laminations are found in Sections 5 (8-37 cm, 75-136 cm) and 6 (3-29 cm).

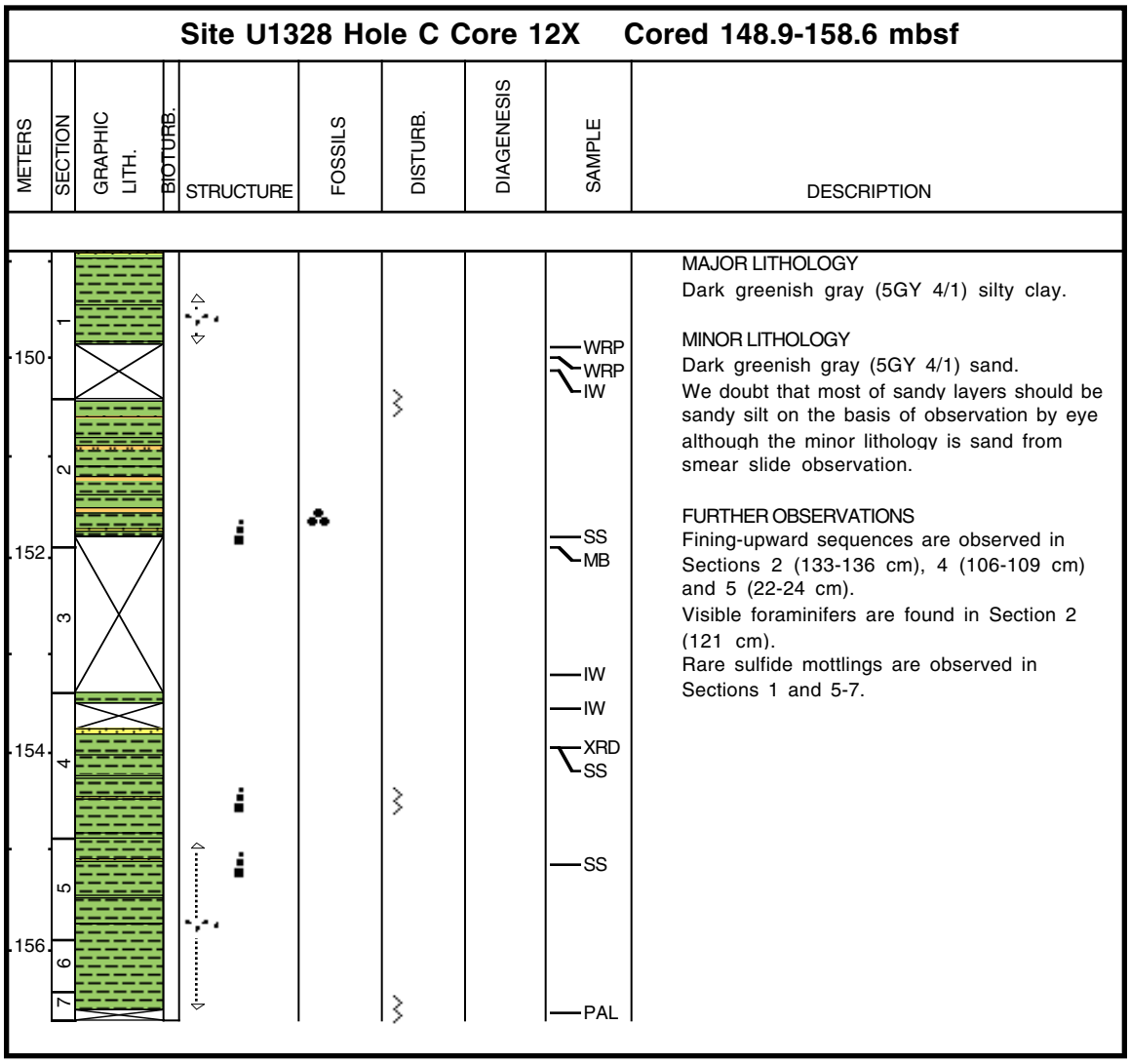
Core Photo


Site U1328 Hole C Core 10X Cored 129.6-139.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
130
132
134
1
2
3
4
SS
XRD
XRD
OG
IW
MB
SS
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay in Sections 1 and CC.
Dark greenish gray (5GY 4/1) silty clay with diatoms in Section 3.
MINOR LITHOLOGY
Silty sand in Section CC (16-20 cm) with visible foraminifers.
FURTHER OBSERVATIONS
Mostly rare sulfide mottles occur throughout the core.
Mousse-like texture in Section 1 (124-134 cm).

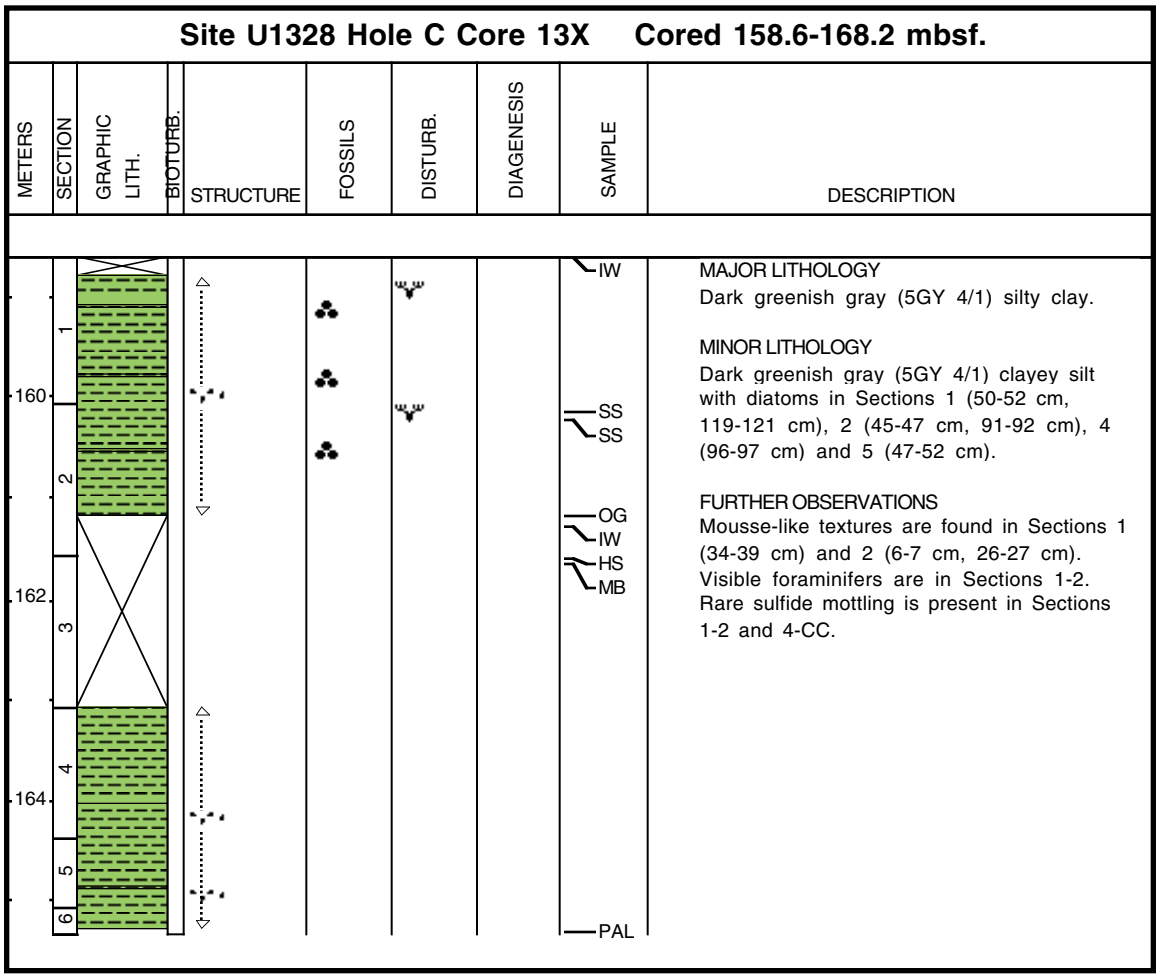
Core Photo


Site U1328 Hole C Core 11X Cored 139.3-148.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
140
142
144
146
1
2
3
4
5
6
IW
OG
IW
MB
XRD
XRD
PAL
MAJOR LITHOLOGY
Dark gray (N4) clay in Sections 1 (0-30 cm) and 4.
Dark greenish gray (5GY 4/1) silty clay with diatoms in Sections 1 (30-118 cm), 2 and 4-6.
MINOR LITHOLOGY
Dark gray (N4) sandy silt in Section 1 (10-14 cm).
FURTHER OBSERVATIONS
Mousse-like texture is found in Section 4 (37-46 cm).
Rare to moderate sulfide mottling structures are present in Sections 1 and 4-6.

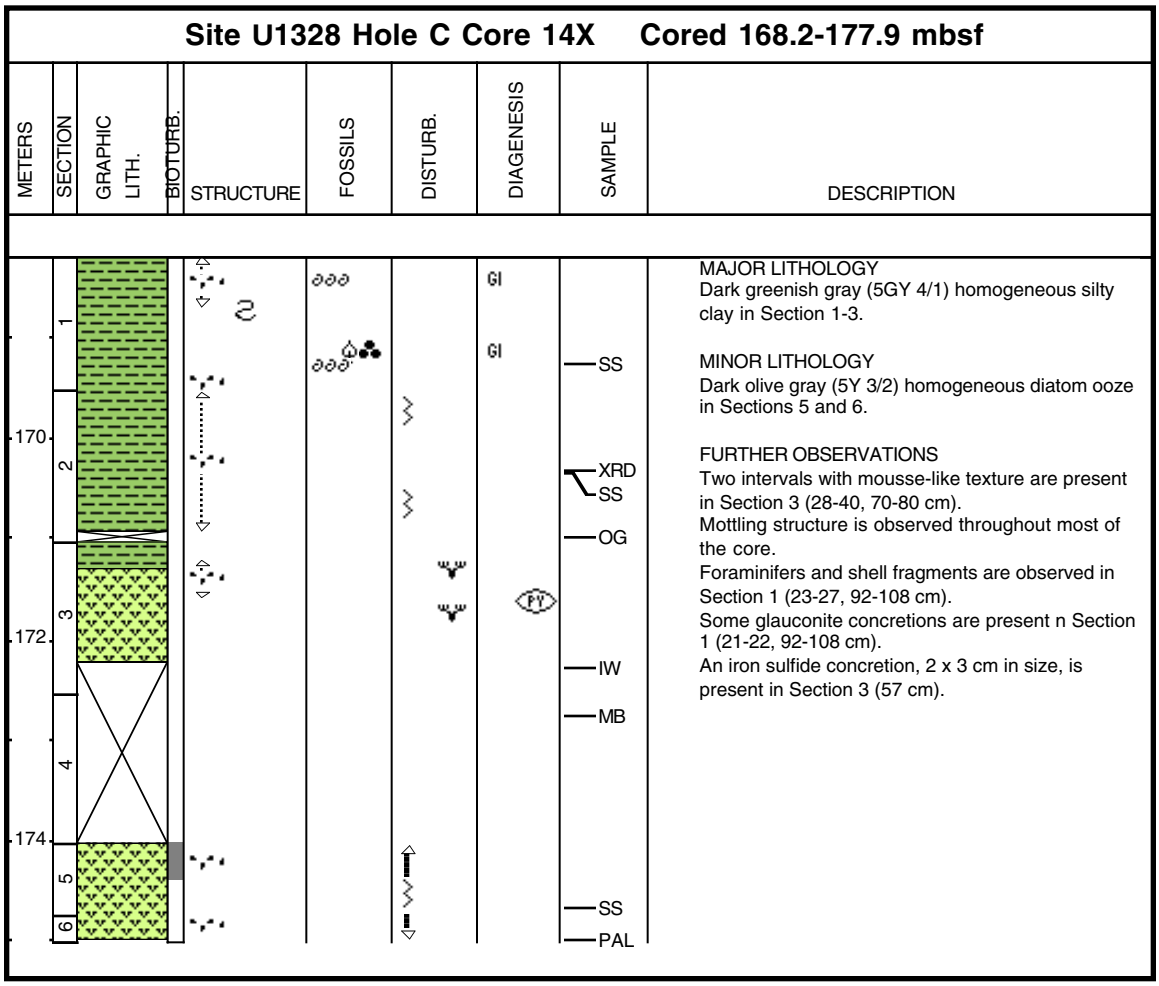
Core Photo


Site U1328 Hole C Core 12X Cored 148.9-158.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
150
152
154
156
1
2
3
4
5
6
7
WRP
WRP
IW
SS
MB
IW
IW
XRD
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) sand.
We doubt that most of sandy layers should be sandy silt on the basis of observation by eye although the minor lithology is sand from smear slide observation.
FURTHER OBSERVATIONS
Fining-upward sequences are observed in Sections 2 (133-136 cm), 4 (106-109 cm) and 5 (22-24 cm).
Visible foraminifers are found in Section 2 (121 cm).
Rare sulfide mottlings are observed in Sections 1 and 5-7.

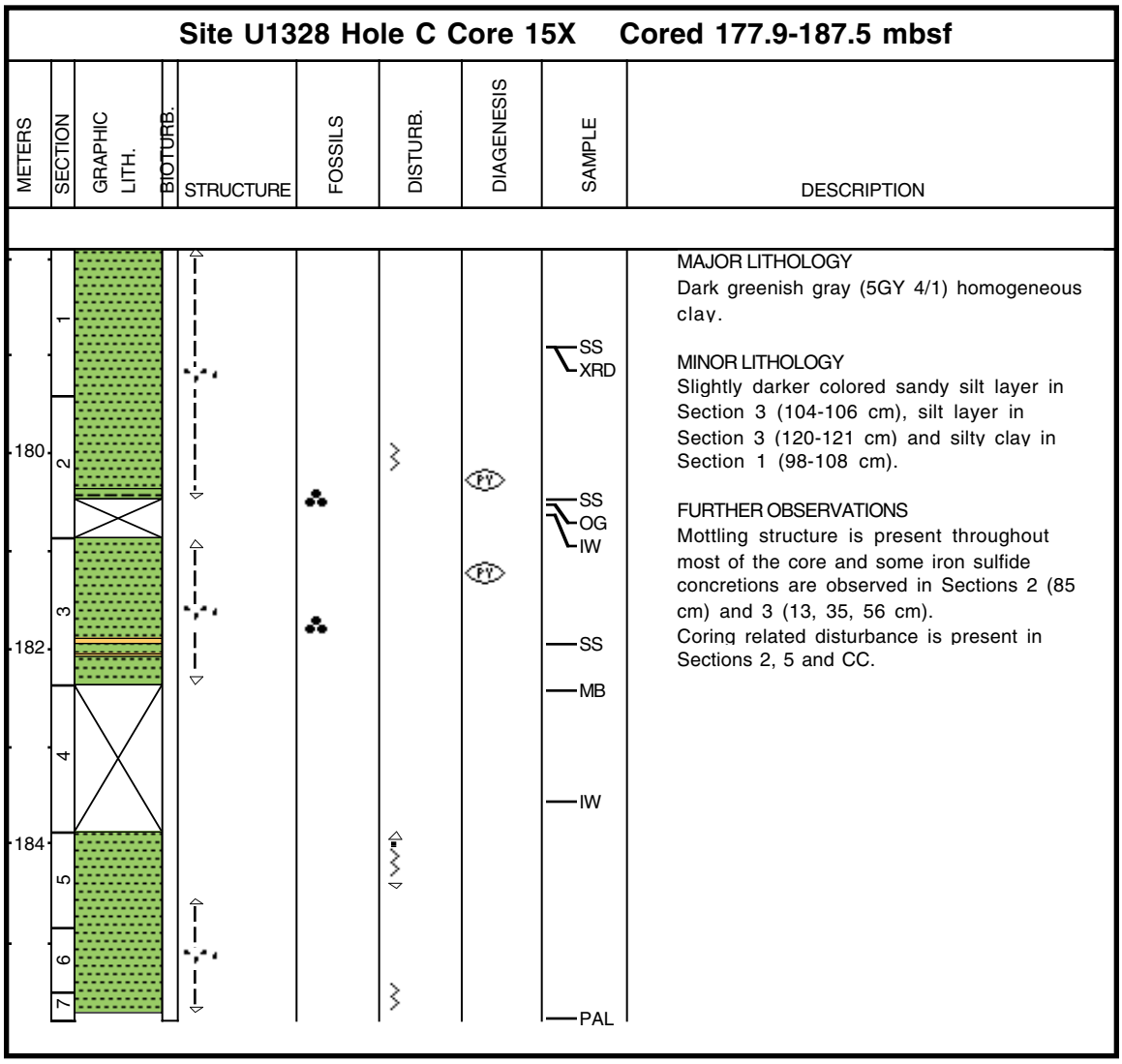
Core Photo


Site U1328 Hole C Core 13X Cored 158.6-168.2 mbsf.
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
160
162
164
1
2
3
4
5
6
IW
SS
SS
OG
IW
HS
MB
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) clayey silt with diatoms in Sections 1 (50-52 cm, 119-121 cm), 2 (45-47 cm, 91-92 cm), 4 (96-97 cm) and 5 (47-52 cm).
FURTHER OBSERVATIONS
Mousse-like textures are found in Sections 1 (34-39 cm) and 2 (6-7 cm, 26-27 cm). Visible foraminifers are in Sections 1-2. Rare sulfide mottling is present in Sections 1-2 and 4-CC.

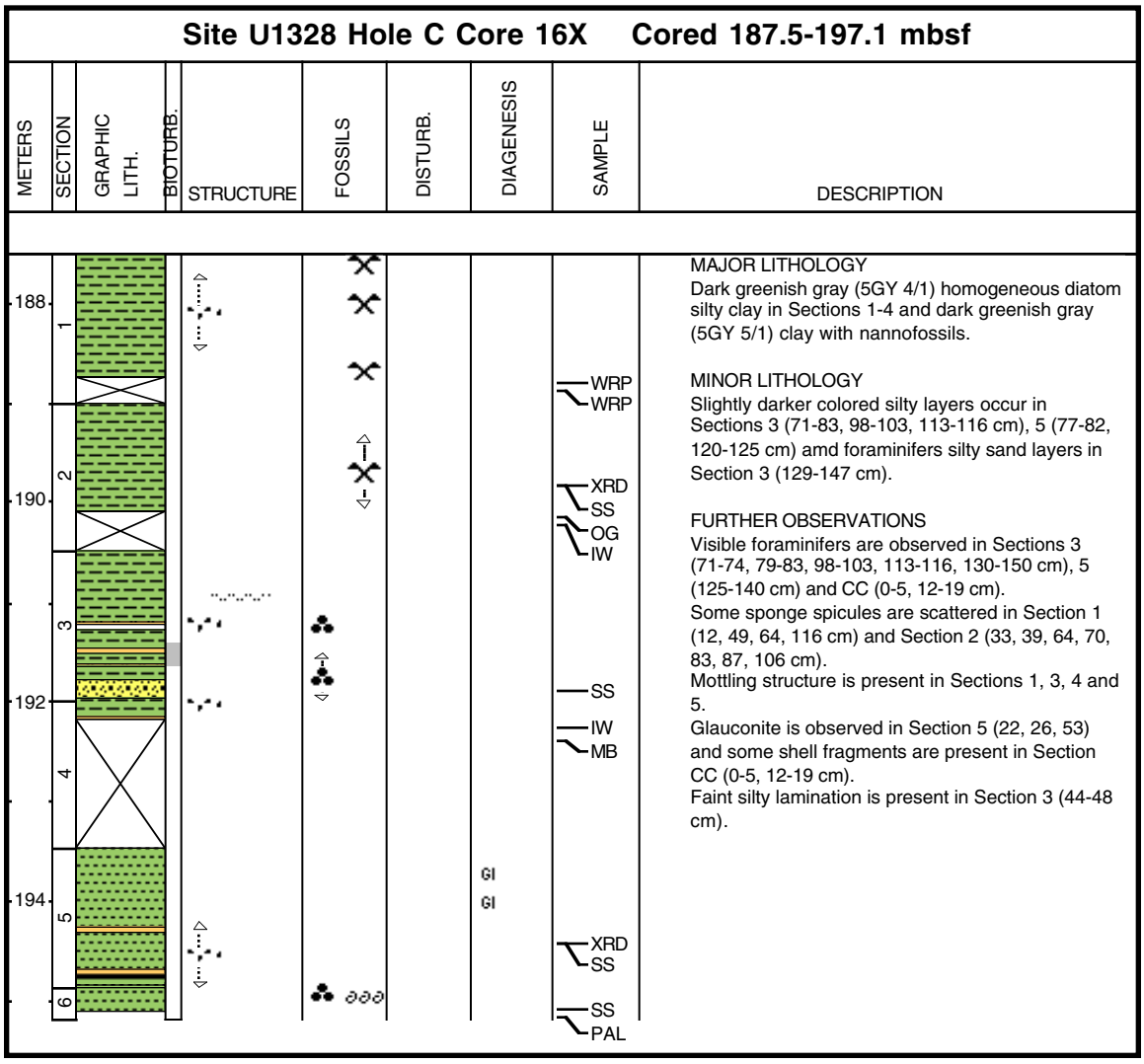
Core Photo


Site U1328 Hole C Core 14X Cored 168.2-177.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
170
172
174
1
2
3
4
5
6
GI
GI
SS
XRD
SS
OG
PY
IW
MB
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay in Section 1-3.
MINOR LITHOLOGY
Dark olive gray (5Y 3/2) homogeneous diatom ooze in Sections 5 and 6.
FURTHER OBSERVATIONS
Two intervals with mousse-like texture are present in Section 3 (28-40, 70-80 cm).
Mottling structure is observed throughout most of the core.
Foraminifers and shell fragments are observed in Section 1 (23-27, 92-108 cm).
Some glauconite concretions are present n Section 1 (21-22, 92-108 cm).
An iron sulfide concretion, 2 x 3 cm in size, is present in Section 3 (57 cm).

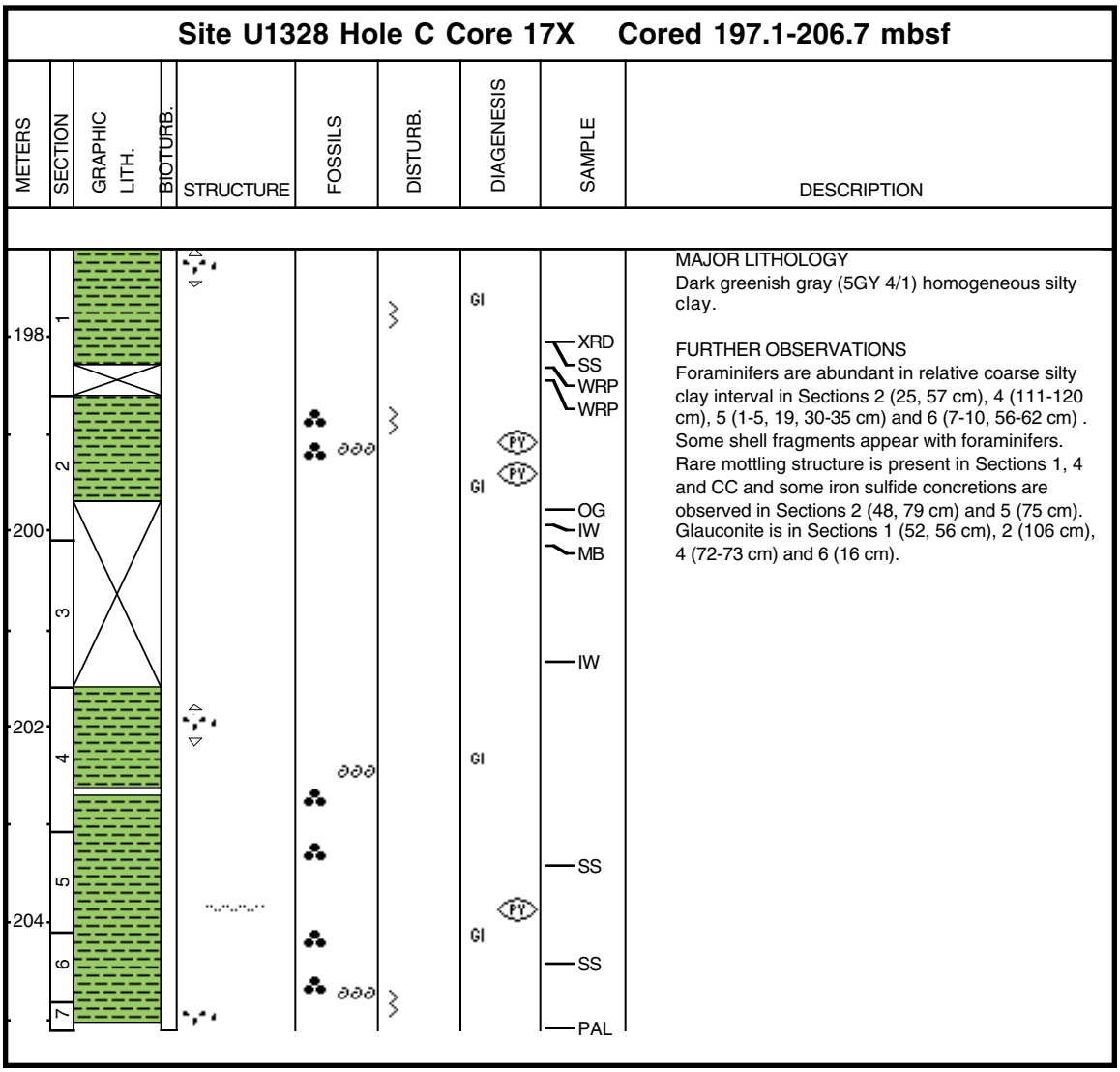
Core Photo


Site U1328 Hole C Core 15X Cored 177.9-187.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
180
182
184
1
2
3
4
5
6
7
SS
XRD
SS
OG
IW
SS
MB
IW
PAL
PY
PY
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous clay.
MINOR LITHOLOGY
Slightly darker colored sandy silt layer in Section 3 (104-106 cm), silt layer in Section 3 (120-121 cm) and silty clay in Section 1 (98-108 cm).
FURTHER OBSERVATIONS
Mottling structure is present throughout most of the core and some iron sulfide concretions are observed in Sections 2 (85 cm) and 3 (13, 35, 56 cm).
Coring related disturbance is present in Sections 2, 5 and CC.

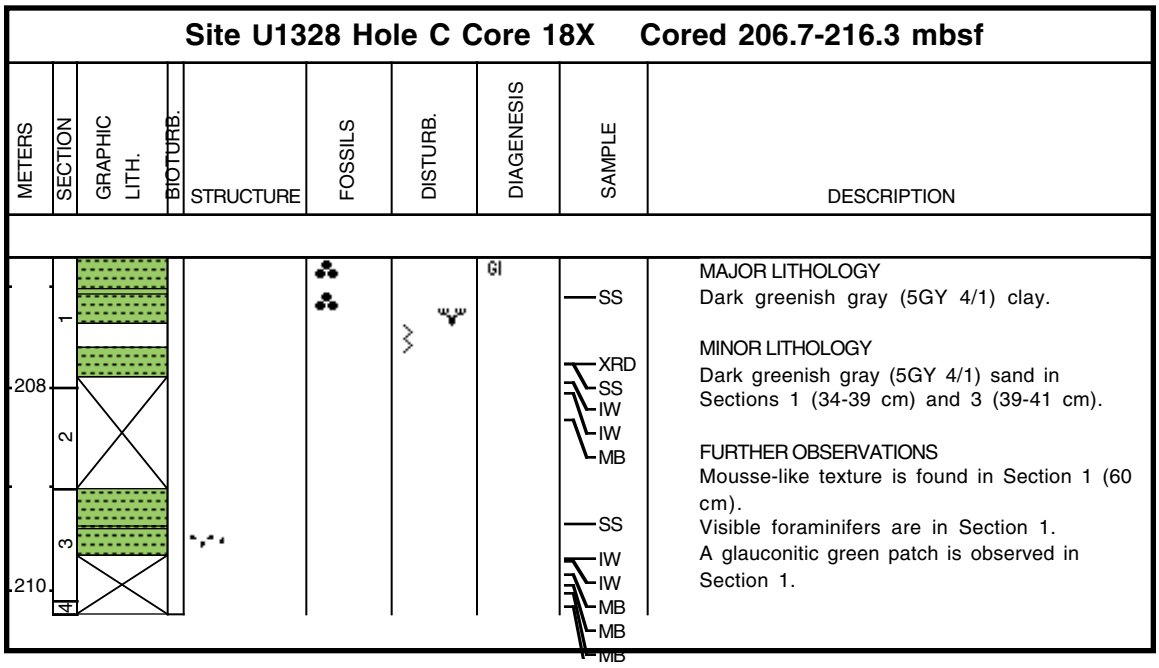
Core Photo


Site U1328 Hole C Core 16X Cored 187.5-197.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
188
190
192
194
1
2
3
4
5
6
WRP
WRP
XRD
SS
OG
IW
SS
IW
MB
GI
GI
XRD
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous diatom silty clay in Sections 1-4 and dark greenish gray (5GY 5/1) clay with nannofossils.
MINOR LITHOLOGY
Slightly darker colored silty layers occur in Sections 3 (71-83, 98-103, 113-116 cm), 5 (77-82, 120-125 cm) amd foraminifers silty sand layers in Section 3 (129-147 cm).
FURTHER OBSERVATIONS
Visible foraminifers are observed in Sections 3 (71-74, 79-83, 98-103, 113-116, 130-150 cm), 5 (125-140 cm) and CC (0-5, 12-19 cm).
Some sponge spicules are scattered in Section 1 (12, 49, 64, 116 cm) and Section 2 (33, 39, 64, 70, 83, 87, 106 cm).
Mottling structure is present in Sections 1, 3, 4 and 5.
Glauconite is observed in Section 5 (22, 26, 53) and some shell fragments are present in Section CC (0-5, 12-19 cm).
Faint silty lamination is present in Section 3 (44-48 cm).

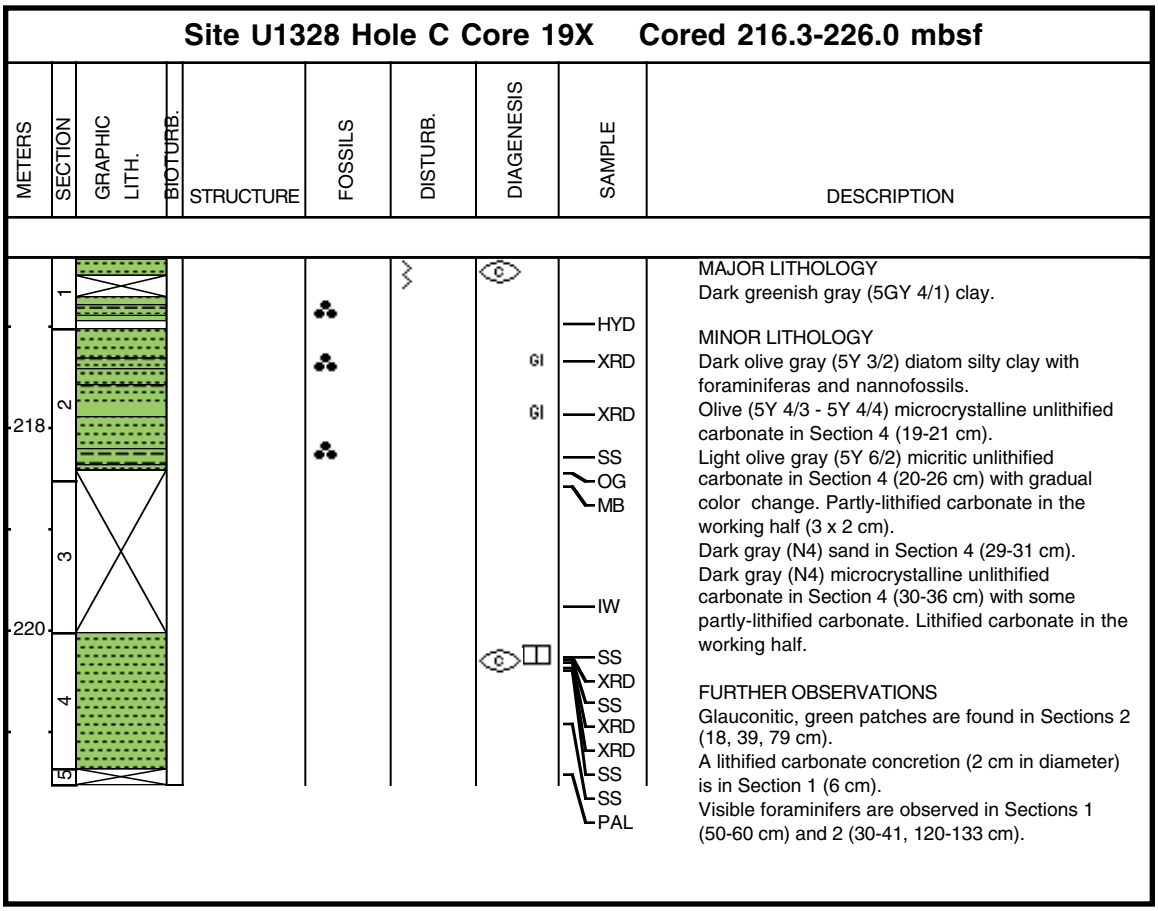
Core Photo


Site U1328 Hole C Core 17X Cored 197.1-206.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
198
200
202
204
1
2
3
4
5
6
7
GI
PY
XRD
SS
WRP
WRP
OG
IW
MB
IW
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous silty clay.
FURTHER OBSERVATIONS
Foraminifers are abundant in relative coarse silty clay interval in Sections 2 (25, 57 cm), 4 (111-120 cm), 5 (1-5, 19, 30-35 cm) and 6 (7-10, 56-62 cm) . Some shell fragments appear with foraminifers. Rare mottling structure is present in Sections 1, 4 and CC and some iron sulfide concretions are observed in Sections 2 (48, 79 cm) and 5 (75 cm). Glauconite is in Sections 1 (52, 56 cm), 2 (106 cm), 4 (72-73 cm) and 6 (16 cm).

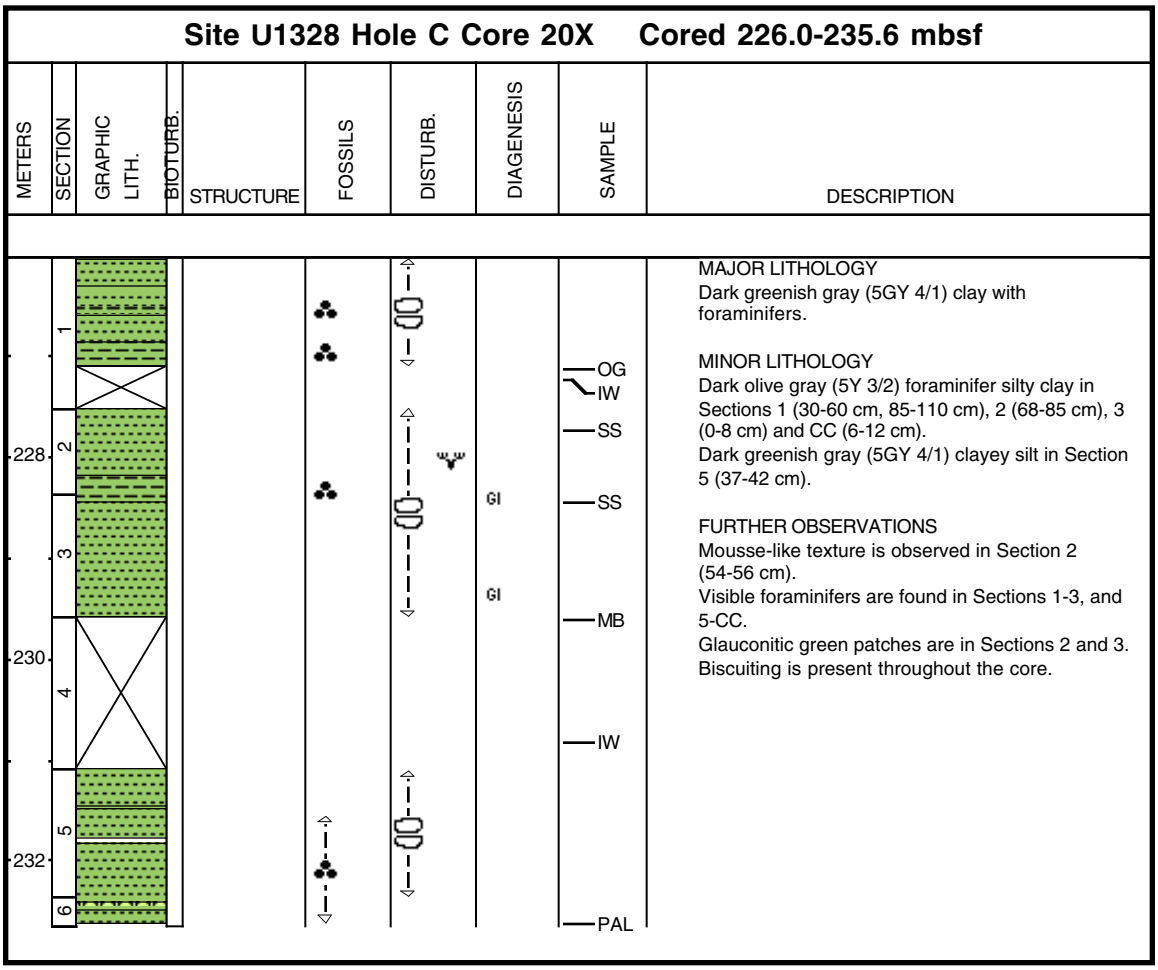
Core Photo


Site U1328 Hole C Core 18X Cored 206.7-216.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
208
210
1
2
3
4
GI
SS
XRD
SS
IW
IW
MB
SS
IW
IW
MB
MB
MB
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) clay.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) sand in Sections 1 (34-39 cm) and 3 (39-41 cm).
FURTHER OBSERVATIONS
Mousse-like texture is found in Section 1 (60 cm).
Visible foraminifers are in Section 1.
A glauconitic green patch is observed in Section 1.

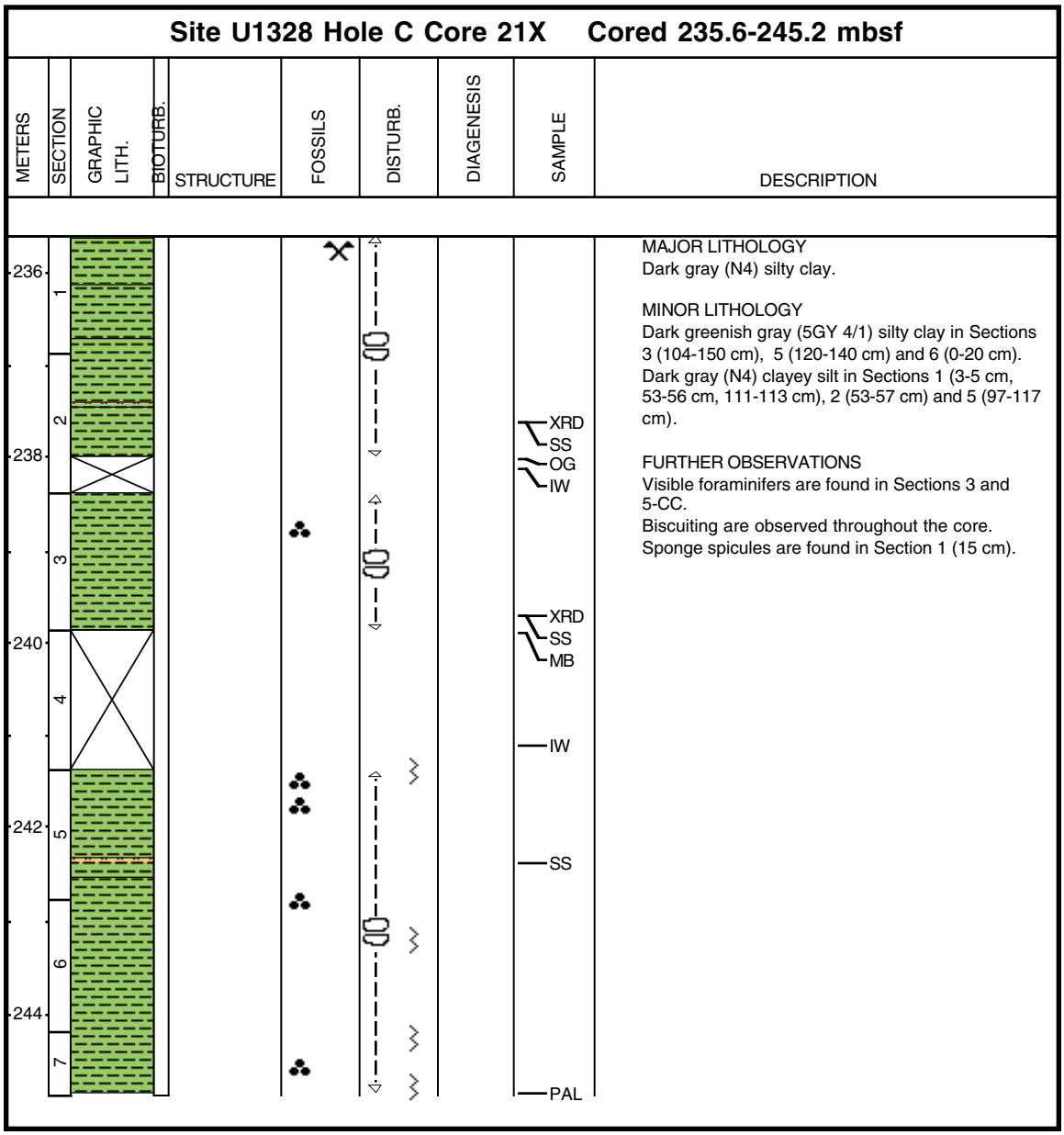
Core Photo


Site U1328 Hole C Core 19X Cored 216.3-226.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
218
220
1
2
3
4
5
HYD
GI
XRD
GI
XRD
SS
OG
MB
IW
SS
XRD
SS
XRD
XRD
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) clay.
MINOR LITHOLOGY
Dark olive gray (5Y 3/2) diatom silty clay with foraminiferas and nannofossils.
Olive (5Y 4/3 - 5Y 4/4) microcrystalline unlithified carbonate in Section 4 (19-21 cm).
Light olive gray (5Y 6/2) micritic unlithified carbonate in Section 4 (20-26 cm) with gradual color change. Partly-lithified carbonate in the working half (3 x 2 cm).
Dark gray (N4) sand in Section 4 (29-31 cm).
Dark gray (N4) microcrystalline unlithified carbonate in Section 4 (30-36 cm) with some partly-lithified carbonate. Lithified carbonate in the working half.
FURTHER OBSERVATIONS
Glauconitic, green patches are found in Sections 2 (18, 39, 79 cm).
A lithified carbonate concretion (2 cm in diameter) is in Section 1 (6 cm).
Visible foraminifers are observed in Sections 1 (50-60 cm) and 2 (30-41, 120-133 cm).

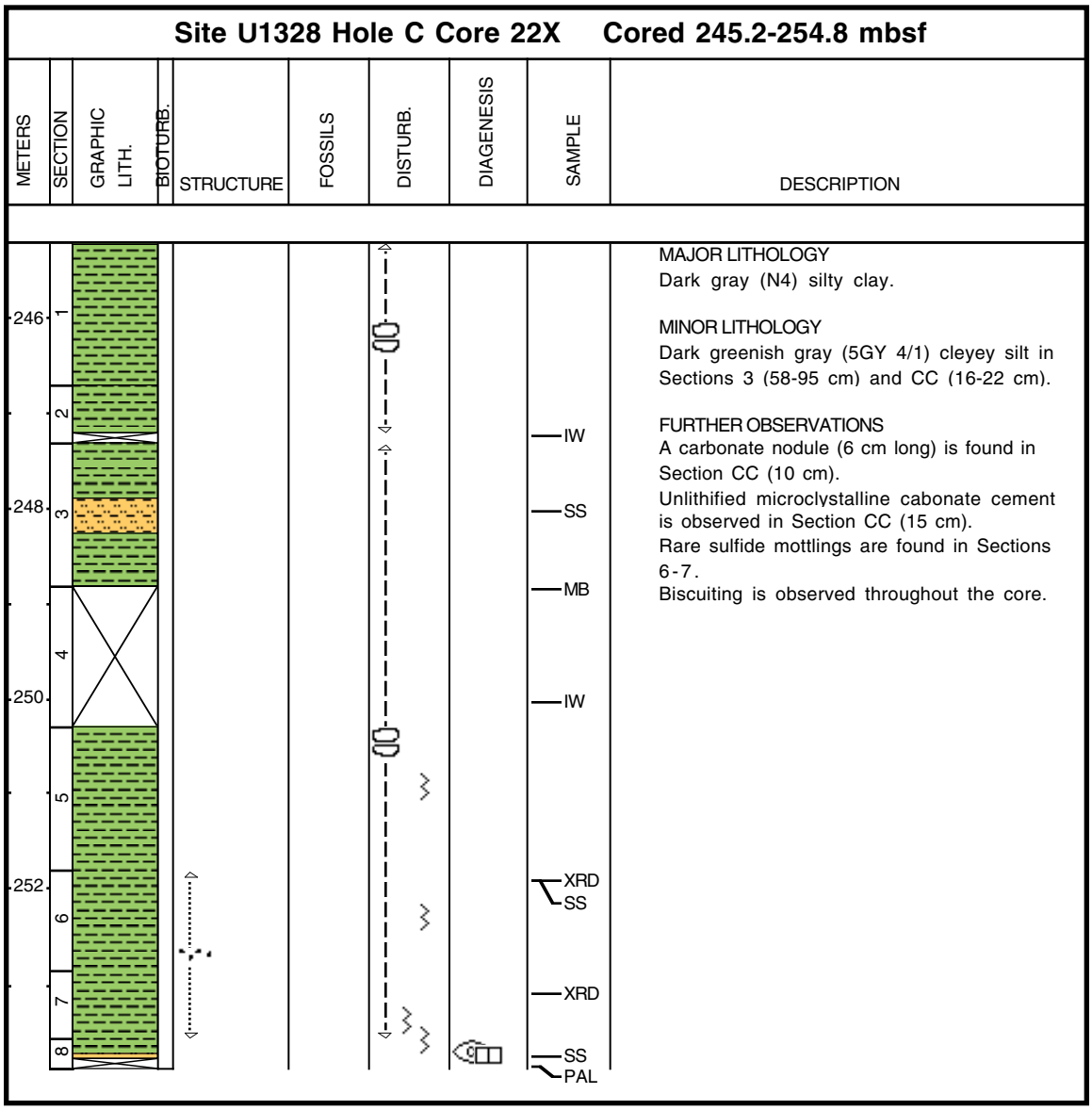
Core Photo


Site U1328 Hole C Core 20X Cored 226.0-235.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
228
230
232
1
2
3
4
5
6
GI
GI
OG
IW
SS
SS
MB
IW
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) clay with foraminifers.
MINOR LITHOLOGY
Dark olive gray (5Y 3/2) foraminifer silty clay in Sections 1 (30-60 cm, 85-110 cm), 2 (68-85 cm), 3 (0-8 cm) and CC (6-12 cm).
Dark greenish gray (5GY 4/1) clayey silt in Section 5 (37-42 cm).
FURTHER OBSERVATIONS
Mousse-like texture is observed in Section 2 (54-56 cm).
Visible foraminifers are found in Sections 1-3, and 5-CC.
Glauconitic green patches are in Sections 2 and 3.
Biscuiting is present throughout the core.

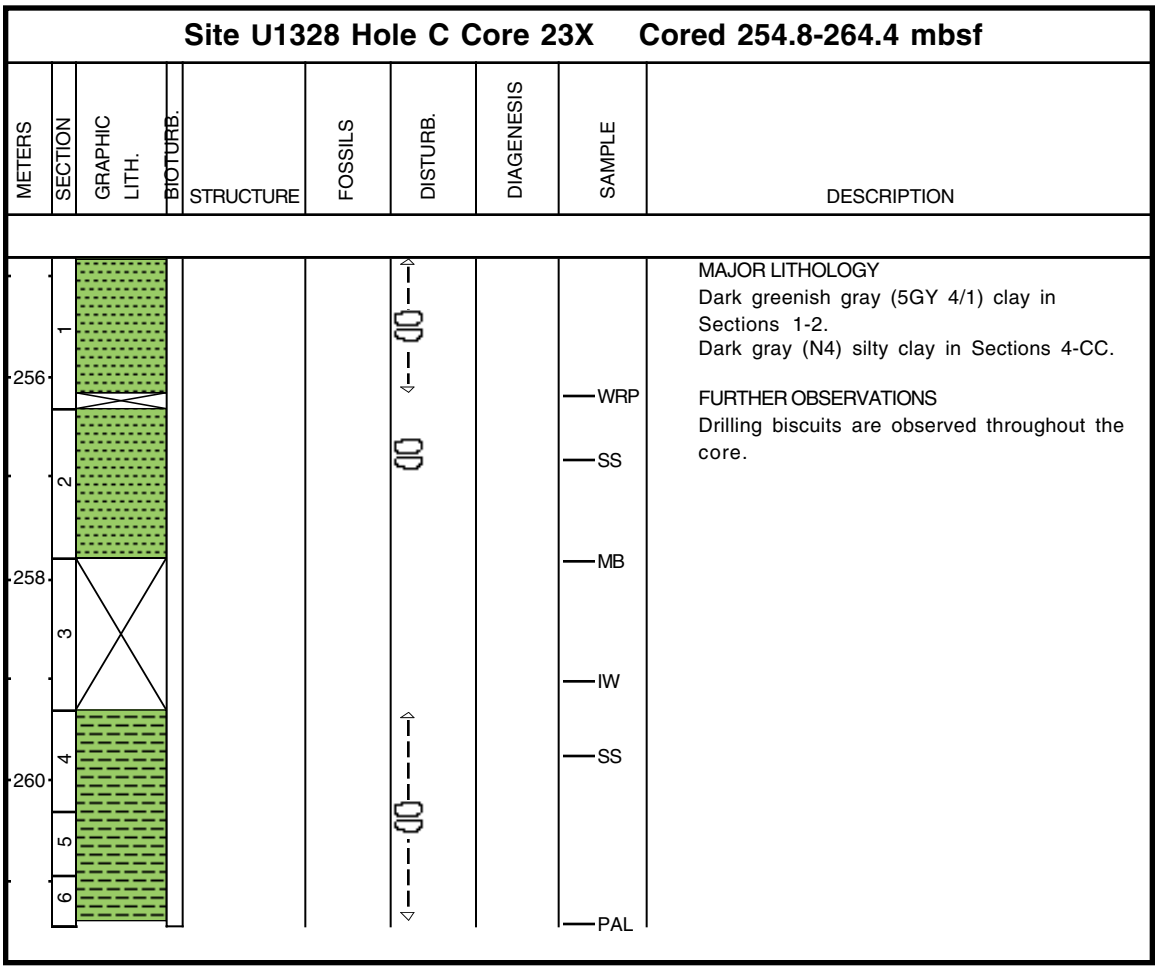
Core Photo


Site U1328 Hole C Core 21X Cored 235.6-245.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
236
238
240
242
244
1
2
3
4
5
6
7
XRD
SS
OG
IW
XRD
SS
MB
IW
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay in Sections 3 (104-150 cm), 5 (120-140 cm) and 6 (0-20 cm).
Dark gray (N4) clayey silt in Sections 1 (3-5 cm, 53-56 cm, 111-113 cm), 2 (53-57 cm) and 5 (97-117 cm).
FURTHER OBSERVATIONS
Visible foraminifers are found in Sections 3 and 5-CC.
Biscuiting are observed throughout the core.
Sponge spicules are found in Section 1 (15 cm).

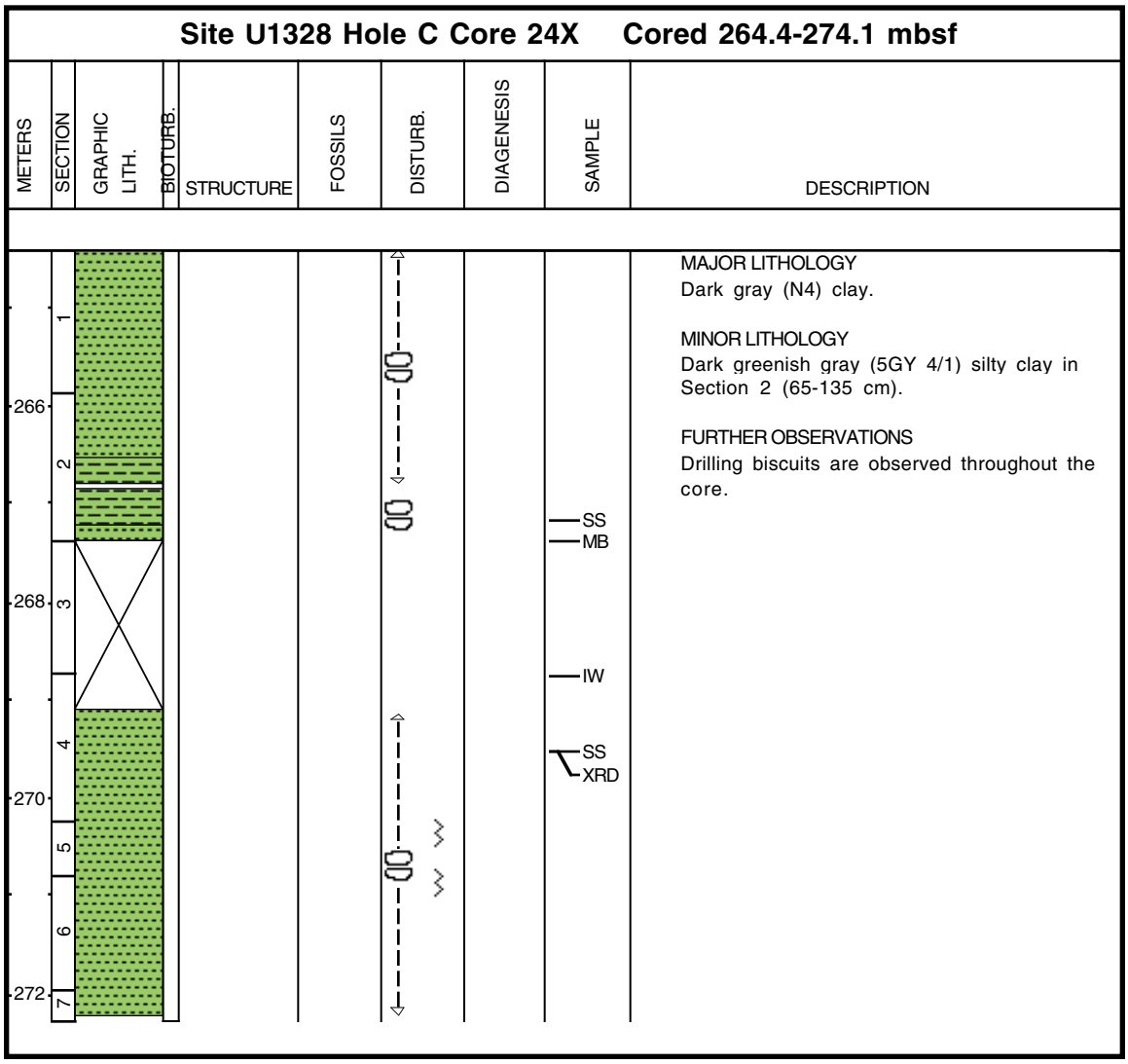
Core Photo


Site U1328 Hole C Core 22X Cored 245.2-254.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
246
248
250
252
1
2
3
4
5
6
7
8
IW
SS
MB
IW
XRD
SS
XRD
SS
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) cleyey silt in Sections 3 (58-95 cm) and CC (16-22 cm).
FURTHER OBSERVATIONS
A carbonate nodule (6 cm long) is found in Section CC (10 cm).
Unlithified microclystalline cabonate cement is observed in Section CC (15 cm).
Rare sulfide mottlings are found in Sections 6-7.
Biscuiting is observed throughout the core.

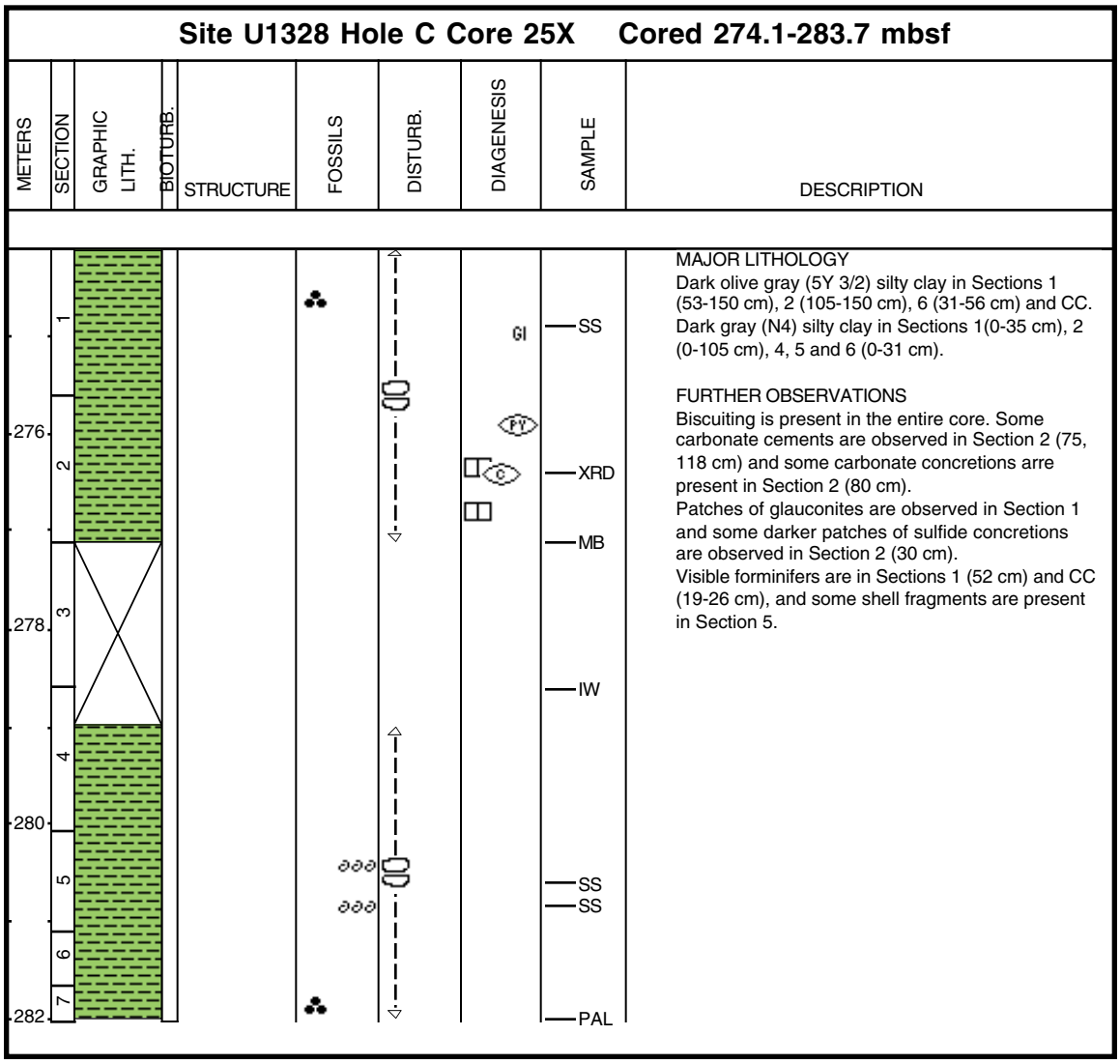
Core Photo


Site U1328 Hole C Core 23X Cored 254.8-264.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
256
258
260
1
2
3
4
5
6
WRP
SS
MB
IW
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) clay in Sections 1-2.
Dark gray (N4) silty clay in Sections 4-CC.
FURTHER OBSERVATIONS
Drilling biscuits are observed throughout the core.

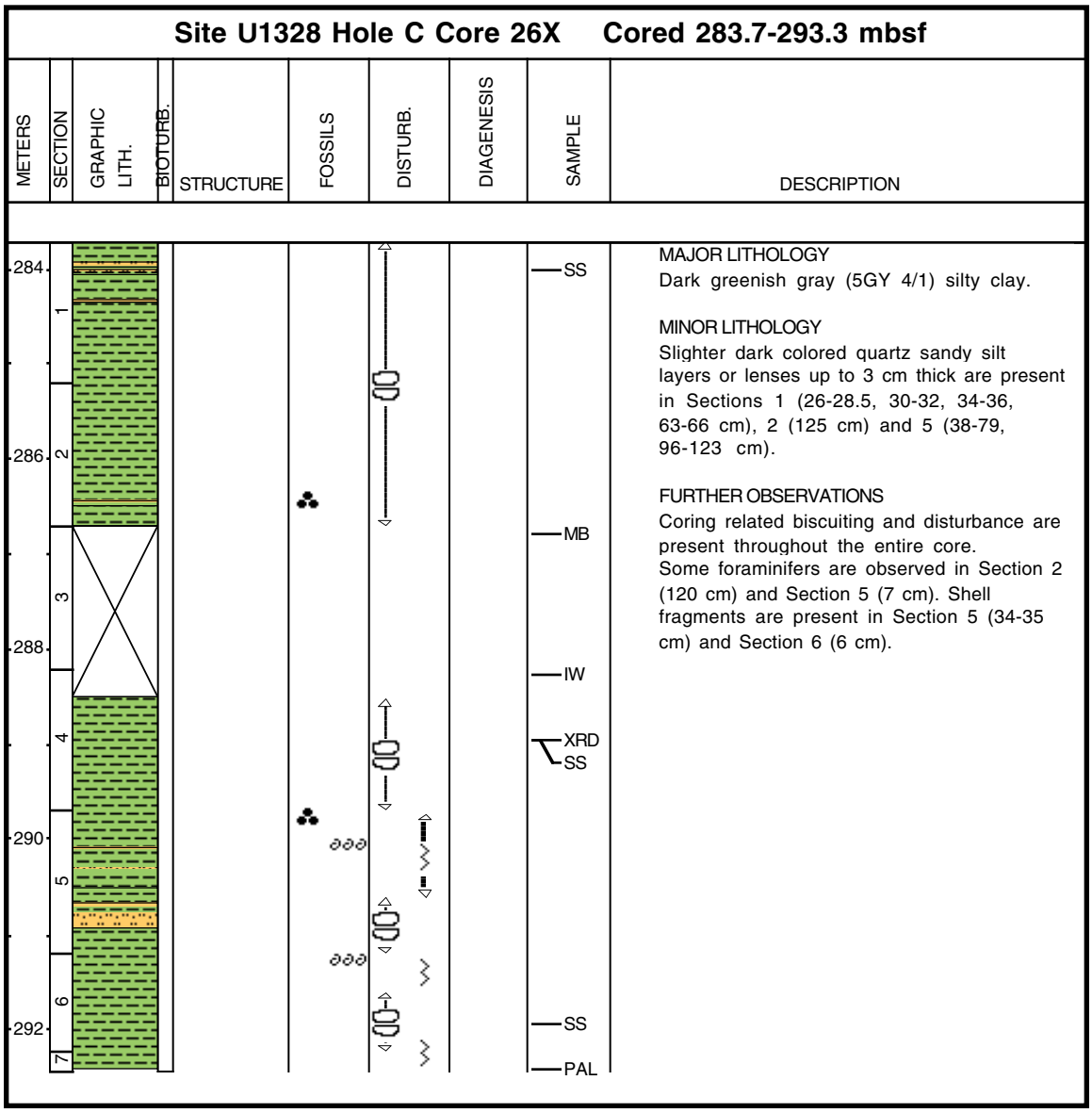
Core Photo


Site U1328 Hole C Core 24X Cored 264.4-274.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
266
268
270
272
1
2
3
4
5
6
7
SS
MB
IW
SS
XRD
MAJOR LITHOLOGY
Dark gray (N4) clay.
MINOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay in Section 2 (65-135 cm).
FURTHER OBSERVATIONS
Drilling biscuits are observed throughout the core.

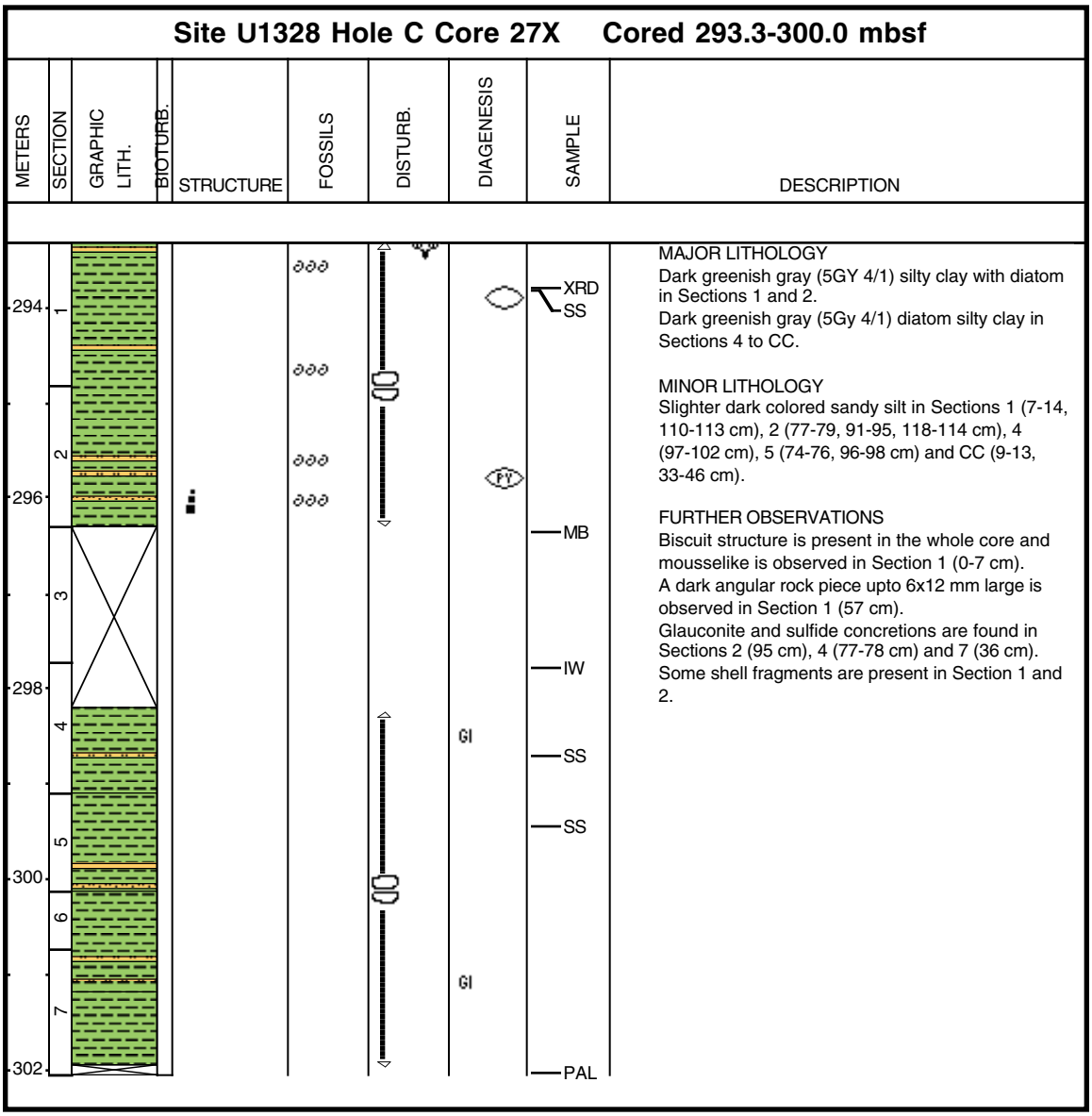
Core Photo


Site U1328 Hole C Core 25X Cored 274.1-283.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
276
278
280
282
1
2
3
4
5
6
7
GI
PY
C
SS
XRD
MB
IW
SS
SS
PAL
MAJOR LITHOLOGY
Dark olive gray (5Y 3/2) silty clay in Sections 1 (53-150 cm), 2 (105-150 cm), 6 (31-56 cm) and CC.
Dark gray (N4) silty clay in Sections 1(0-35 cm), 2 (0-105 cm), 4, 5 and 6 (0-31 cm).
FURTHER OBSERVATIONS
Biscuiting is present in the entire core. Some carbonate cements are observed in Section 2 (75, 118 cm) and some carbonate concretions arre present in Section 2 (80 cm).
Patches of glauconites are observed in Section 1 and some darker patches of sulfide concretions are observed in Section 2 (30 cm).
Visible forminifers are in Sections 1 (52 cm) and CC (19-26 cm), and some shell fragments are present in Section 5.

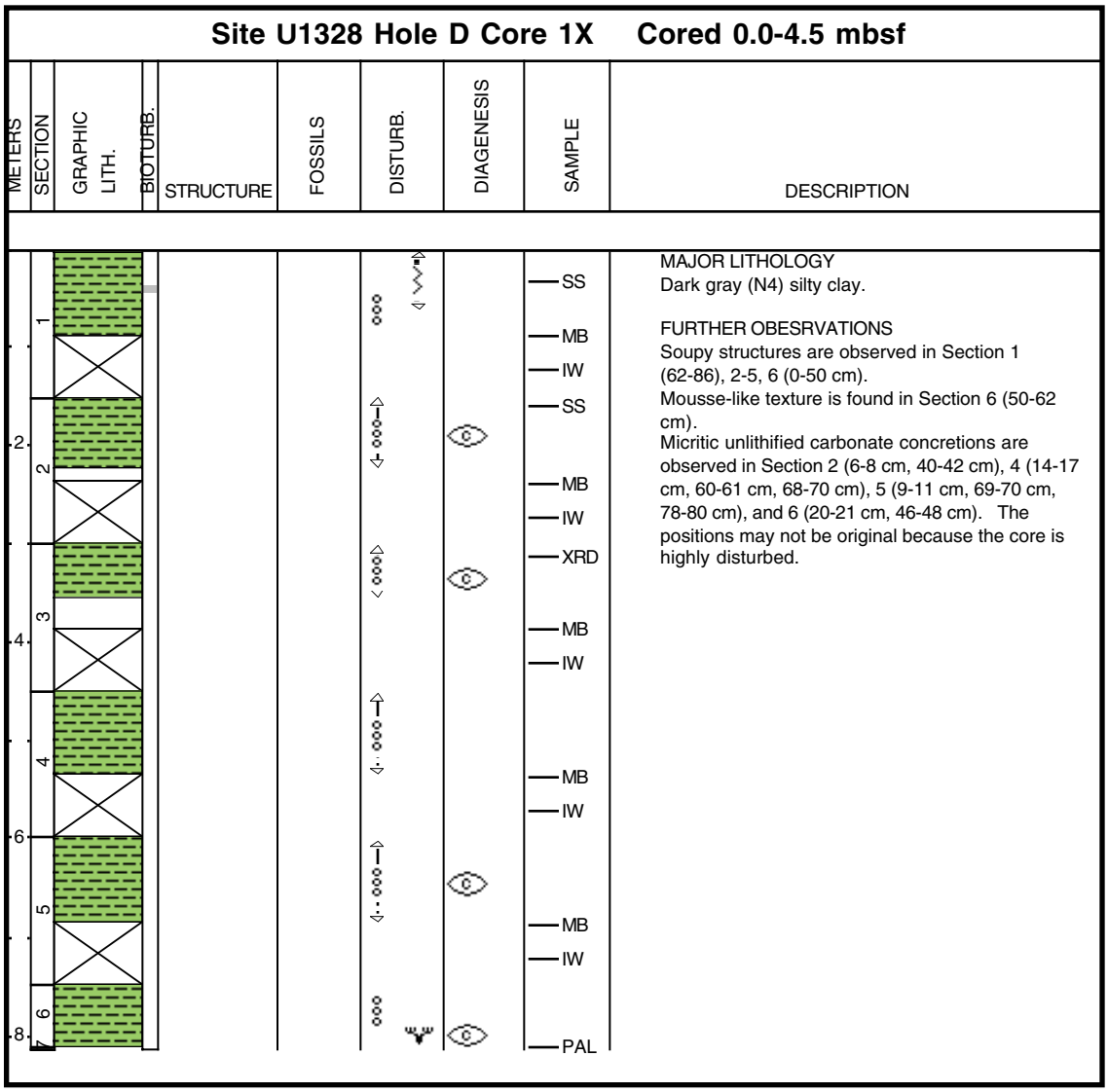
Core Photo


Site U1328 Hole C Core 26X Cored 283.7-293.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
284
286
288
290
292
1
2
3
4
5
6
7
SS
MB
IW
XRD
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay.
MINOR LITHOLOGY
Slighter dark colored quartz sandy silt layers or lenses up to 3 cm thick are present in Sections 1 (26-28.5, 30-32, 34-36, 63-66 cm), 2 (125 cm) and 5 (38-79, 96-123 cm).
FURTHER OBSERVATIONS
Coring related biscuiting and disturbance are present throughout the entire core.
Some foraminifers are observed in Section 2 (120 cm) and Section 5 (7 cm). Shell fragments are present in Section 5 (34-35 cm) and Section 6 (6 cm).

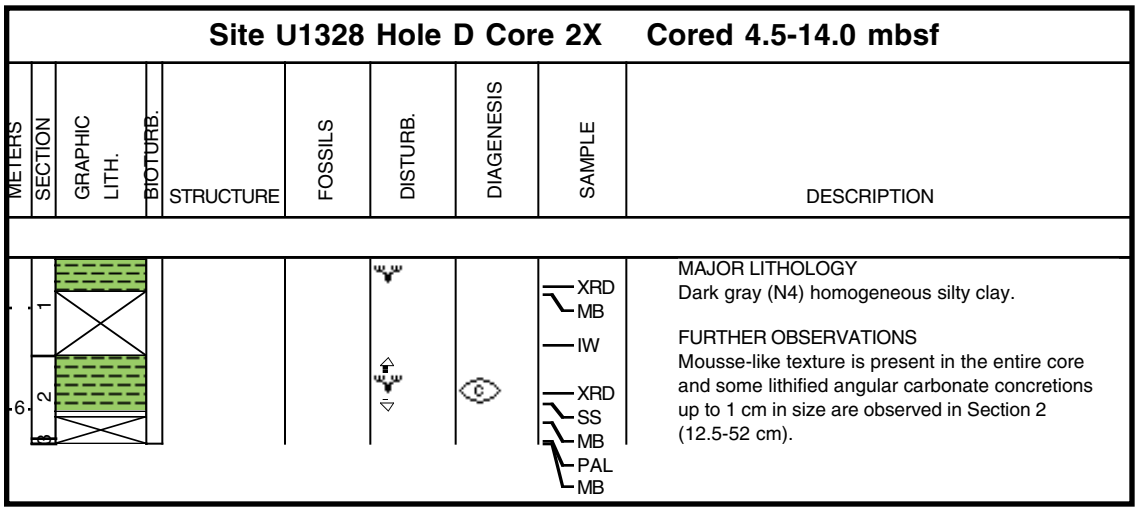
Core Photo


Site U1328 Hole C Core 27X Cored 293.3-300.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
294
296
298
300
302
1
2
3
4
5
6
7
XRD
SS
PY
MB
IW
GI
SS
SS
GI
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay with diatom in Sections 1 and 2.
Dark greenish gray (5Gy 4/1) diatom silty clay in Sections 4 to CC.
MINOR LITHOLOGY
Slighter dark colored sandy silt in Sections 1 (7-14, 110-113 cm), 2 (77-79, 91-95, 118-114 cm), 4 (97-102 cm), 5 (74-76, 96-98 cm) and CC (9-13, 33-46 cm).
FURTHER OBSERVATIONS
Biscuit structure is present in the whole core and mousselike is observed in Section 1 (0-7 cm).
A dark angular rock piece upto 6x12 mm large is observed in Section 1 (57 cm).
Glauconite and sulfide concretions are found in Sections 2 (95 cm), 4 (77-78 cm) and 7 (36 cm).
Some shell fragments are present in Section 1 and 2.

Core Photo


Site U1328 Hole D Core 1X Cored 0.0-4.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
SS
MB
IW
SS
MB
IW
XRD
MB
IW
MB
IW
MB
IW
PAL
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
FURTHER OBESRVATIONS
Soupy structures are observed in Section 1 (62-86), 2-5, 6 (0-50 cm).
Mousse-like texture is found in Section 6 (50-62 cm).
Micritic unlithified carbonate concretions are observed in Section 2 (6-8 cm, 40-42 cm), 4 (14-17 cm, 60-61 cm, 68-70 cm), 5 (9-11 cm, 69-70 cm, 78-80 cm), and 6 (20-21 cm, 46-48 cm). The positions may not be original because the core is highly disturbed.

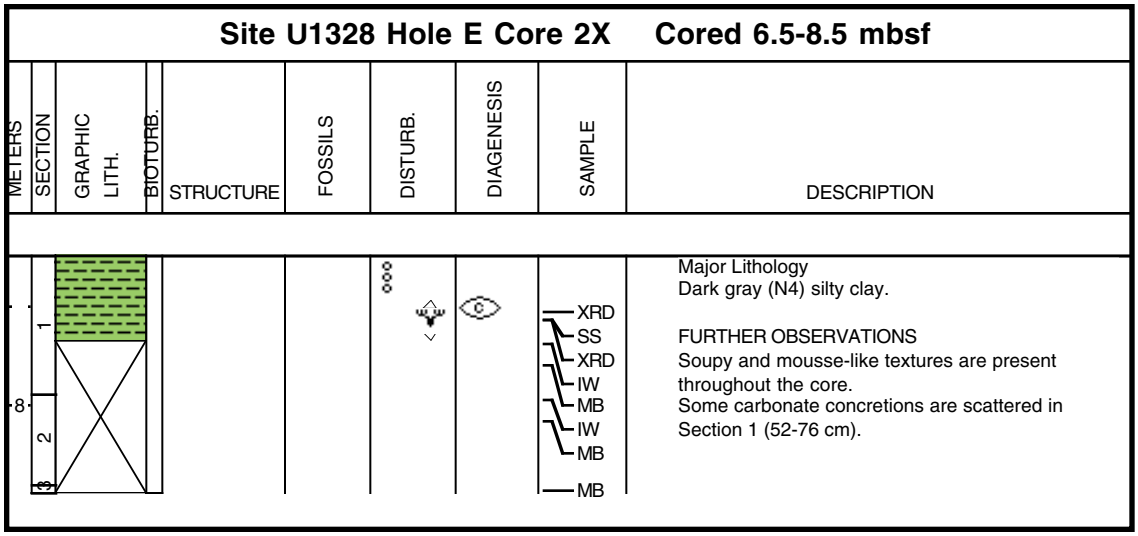
Core Photo



U1328D-3Y No recovery

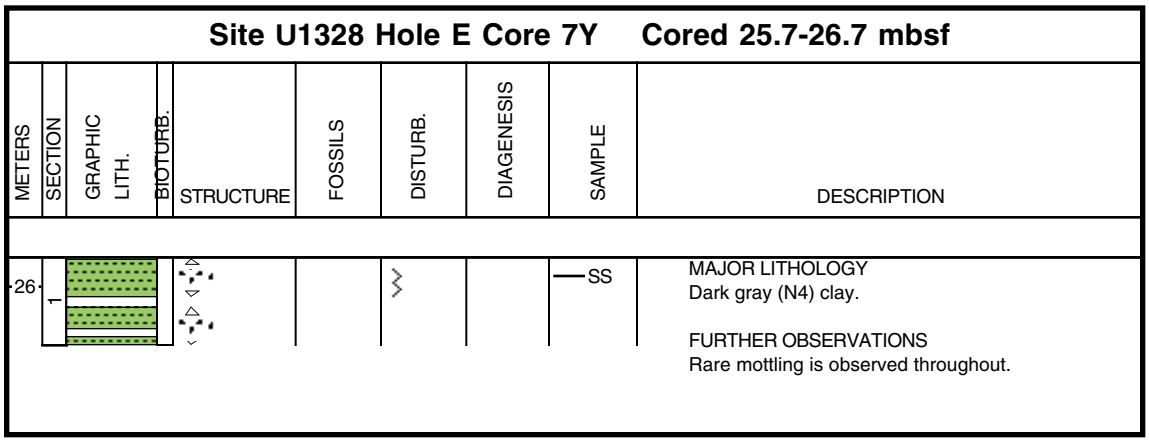
Core Photo

U1328E-1X No recovery

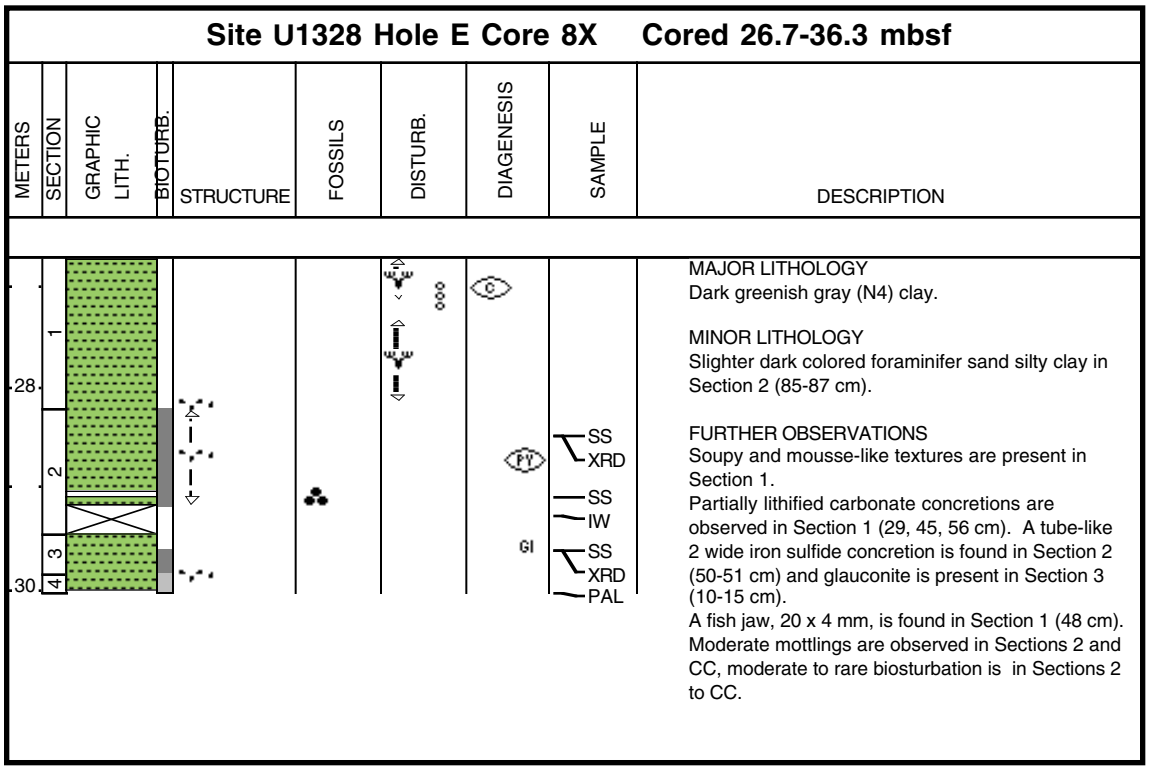


U1328E-3E No recovery
U1328E-4X No recovery
U1328E-5P No recovery
U1328E-6X No recovery

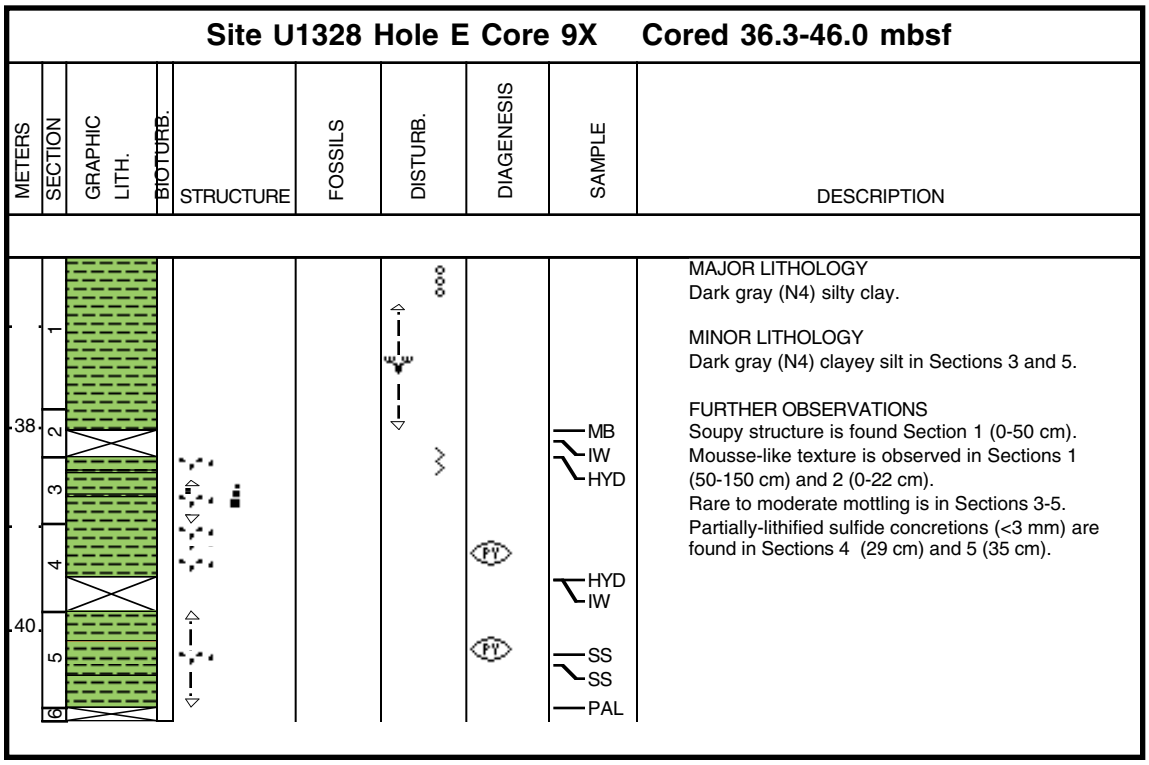
Core Photo


Site U1328 Hole E Core 7Y Cored 25.7-26.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
26
1
SS
MAJOR LITHOLOGY
Dark gray (N4) clay.
FURTHER OBSERVATIONS
Rare mottling is observed throughout.

Core Photo


Site U1328 Hole E Core 8X Cored 26.7-36.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
28
30
1
2
3
4
C
PY
GI
SS
XRD
SS
IW
SS
XRD
PAL
MAJOR LITHOLOGY
Dark greenish gray (N4) clay.
MINOR LITHOLOGY
Slighter dark colored foraminifer sand silty clay in Section 2 (85-87 cm).
FURTHER OBSERVATIONS
Soupy and mousse-like textures are present in Section 1.
Partially lithified carbonate concretions are observed in Section 1 (29, 45, 56 cm). A tube-like 2 wide iron sulfide concretion is found in Section 2 (50-51 cm) and glauconite is present in Section 3 (10-15 cm).
A fish jaw, 20 x 4 mm, is found in Section 1 (48 cm).
Moderate mottlings are observed in Sections 2 and CC, moderate to rare biosturbation is in Sections 2 to CC.

Core Photo

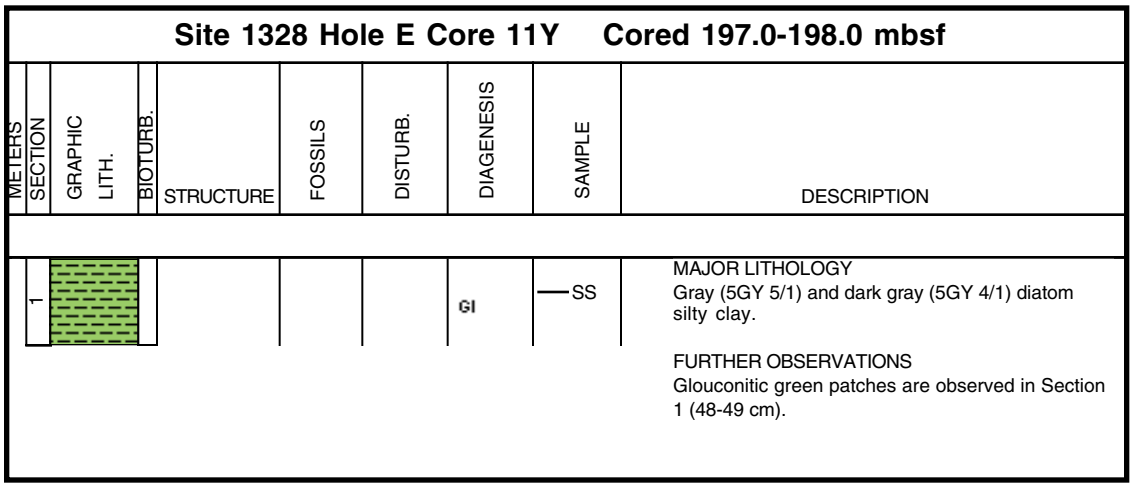

Site U1328 Hole E Core 9X Cored 36.3-46.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
38
40
1
2
3
4
5
6
MB
IW
HYD
HYD
IW
SS
SS
PAL
PY
PY
MAJOR LITHOLOGY
Dark gray (N4) silty clay.
MINOR LITHOLOGY
Dark gray (N4) clayey silt in Sections 3 and 5.
FURTHER OBSERVATIONS
Soupy structure is found Section 1 (0-50 cm).
Mousse-like texture is observed in Sections 1 (50-150 cm) and 2 (0-22 cm).
Rare to moderate mottling is in Sections 3-5.
Partially-lithified sulfide concretions (<3 mm) are found in Sections 4 (29 cm) and 5 (35 cm).

Core Photo

Site U1328 Hole E Core 10P Cored 92.0-93.0 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	STRUCTURE	FOSSILS	DISTURB.	DIAGENESIS	SAMPLE	DESCRIPTION
	1							SS	MAJOR LITHOLOGY Dark gray (N4) homogeneous clayey silt. FURTHER OBSERVATIONS Extreme soupy structure is present in the whole core.

Core Photo



U1328E-12E No description available
U1328E-13P No description available

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	1	68	0.68	M	0	1	99									1						14	85							semi-lithified carbonate concretion (1*5 µm cristals)
1	H	1	71	0.71	D	1	20	79	1	1					1		5	2	3				79	3			3		2		
1	H	2	123	2.73	M	16	28	56	1	5				1			17	8				8	56				1		3		
2	H	2	25	5.75	D	1	6	93			2						2	1					93	1			1				
4	P	1	15	14.65	D	1	8	91									3	2			1		91	1			1		1		
5	H	1	30	16.8	D	1	14	85		2	1						5	3			1		85	1			1		1		
6	X	1	30	18.7	D	1	22	77		4							8	3					77	2			5		1		
6	X	1	103	19.43	D	0	21	79	2		1		1				8						77	2			1	2	6		
6	X	2	128	20.83	M	60	40	0									60	20			2						6		12		sand
8	H	2	40	29.9	D	0	20	80									10	7			1		80				1		1		
8	H	4	70	33.2	M	80	20	0									58	21			2	2		1			6		6	4	sand
9	H	1	40	37.9	D	1	25	74	1	2	2		1				12	5			1		72	2			1		1		
9	H	3	70	41.01	M	80	18	2									55	25			3		2				4		6	5	
9	H	5	70	44.01	D	1	25	74	1	7	3						6	3	1				74	3			1		1		
9	H	5	143	44.74	M	95	5	0											93		1								1	5	ASH
10	H	1	55	47.55	D	2	25	73		15	7						6	2					66				3				
10	H	2	55	49.05	M	92	3	5									60	20			2			1					17		
10	H	3	55	50.55	D	1	25	74									9	5	2				74	2			3		5		
Hole C																															
1	H	2	70	58.66	D	1	25	74	1	1					1		13	7			1		74				1		1		
1	H	4	61	61.54	M	55	45	0									55	25			5						4		5	6	
1	H	6	118	65.11	M	80	20	0									50	25			2						5		8	10	
2	H	1	25	66.25	M	60	40	0									51	26			3						3		7	10	
2	H	5	70	72.7	D	0	40	60	20						1		10	6			1		60				1		1		
3	H	1	80	76.3	D	2	23	75	3								6	4	3		2		75	2			3		2		
3	H	1	129	76.79	M	0	90	10									50	25											15	10	sand
3	H	3	80	79.3	M	0	8	92							1		2	1	1				92	1			2				
3	H	5	79	82.29	D	2	27	71									13	7	2		2		71	2			1		2		
4	X	1	126	86.26	D	3	37	60									17	10			3		60	2			3		5		
4	X	3	72	88.72	M	20	45	35									24	15					35				6		10	10	soupy
4	X	3	130	89.3	M	90	10	0									45	30									5		15	5	sand
5	P	1	54	92.54	D	0	40	60	2				1		3		20	7			1		60				2		3	1	
6	H	1	77	94.77	D	0	8	92	1								3	2	1				92				1				
6	H	1	132	95.32	M	0	5	95									3										97				
6	H	3	80	97.7	D	0	21	79	1						1		6	3	2		1		80	3			2		1		
6	H	6	80	99.8	D	0	10	90	1								3	1	1		1		90	2			1				
6	H	CC	20	102.79	D	2	17	81	1	3	3				1		4	1					81	2			3		1		
7	X	1	80	104.3	D	1	9	90	2	1	9		1		1		1	1					81	1			1		1		
7	X	1	134	104.84	M	70	20	10	1		1				4		46	26	2				10				3		2	5	
7	X	4	40	108.3	D	0	20	80							1		9	5					80	1			3		1		
7	X	4	62	108.52	M	10	75	15									38	24			1	1	15				3		13	5	
8	X	2	77	112.57	D	0	35	65	1	1					1		20	8			1		65				1		1	1	
8	X	4	66	115.14	M	90	10	0									60	19			3						5		7	6	
8	X	5	78	116.76	M	1	59	40	1						5		36	13			1		40				1		2	1	
8	X	6	81	118.29	M	70	30	0									60	20			1						7		6	6	
9	X	5	10	125.5	M	80	20	0									65	15			3						2		5	10	
9	X	5	37	125.77	D	0	35	65	1						2		19	7			1		65				1		2	2	
9	X	5	93	126.33	M	70	30	0									65	15			3						2		5	10	

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)																														
10	X	1	77	130.37	D	1	40	59	1	1					1		21	11			1		59				2		2	1	
10	X	3	62	133.22	D	1	45	54	20	2			2	1	2		11	4			1		54				1		1	1	
10	X	CC	20	134.28	M	60	30	10	1	6		1	2	1	3		35	18			1		10				7		5	10	
11	X	1	97	140.27	D	1	25	74	10			1	1				8	2	1				74						3		
11	X	3	77	143.07	D	0	10	90	3								3	1					90				2		1		
11	X	4	12	143.92	M	25	70	5									55	17	3		2		5				3	15			
12	X	4	55	153.95	D	1	25	74	10	1			2				7	3			1		74				1		1		
12	X	5	23	155.13	M	80	20	0	5	2			1		1		50	20			4	1					1		5	10	
13	X	2	6	160.13	M	0	60	40	20	3	1		7		1		14	5			2		40	1			1		4	1	
13	X	2	15	160.22	D	1	25	74	5	1			1				9	5			1		74	1			1		1	1	
14	X	1	106	169.26	M	4	22	74	1				1				10	5				3	74				4		2		
14	X	2	81	170.34	D	0	26	74	5			1	2				9	5			1		74	1			2				
14	X	5	60	174.63	D	0	70	30	45			3	2	1			9	5					30	2			2		1		
15	X	1	100	178.9	D	0	18	82	4				1		1		5	4	1		1		82				1				
15	X	2	106	180.46	M	5	23	72	4	3		1	1		1		5	4			1		72				8				
15	X	3	105	181.92	M	40	60	0									43	30			3						4		20		
16	X	2	80	189.8	D	3	42	55	30	1		1	2		1		5	3					55	1			1				
16	X	3	139	191.89	M	55	30	15	2	25			2		1		24	15				5	15	2			4		5		
16	X	5	90	194.4	D	3	19	78	5	1	18						6	4	2				60	2			1		1		
16	X	CC	18	195.07	M	4	28	68	10	2		1	2		2		7	4			1	2	63	2			3		1		
17	X	1	94	198.04	D	0	25	75	1	3	4				1		7	4	1		1		71	3			2		2		
17	X	5	33	203.43	M	10	19	71	2	10	3	1					5	4	1				68	3			1		2		
17	X	6	30	204.4	D	0	26	74	1	2	1				1		10	6			2		73	2			1		1		
18	X	1	37	207.07	M	80	20	0	2	1							60	17			1						7		2	10	
18	X	1	104	207.74	D	1	20	79	8	1	1						5	2			1		79				1		1	1	
18	X	3	32	209.32	D	1	20	79	4	1		1					7	3			1		79				1		1	2	
19	X	2	124	218.27	M	5	45	50	20	15	15	5					3		2				40								
19	X	4	20	220.23	M	0	20	80									10	5						80			2		3		5-15mm, elongated, authigenic
19	X	4	25	220.28	M	0	10	90									8							90			2				2.5mm, round crystals, authigenic
19	X	4	34	220.37	M	1	15	84			3						8	1						84			3		1		2.5-15mm, round crystals, authigenic
19	X	4	88	220.91	D	0	20	80		2	6						9	2					74				4		3		
20	X	2	21	227.71	D	0	20	80	7	10	2						1						77				2		1		
20	X	3	7	228.42	M	10	25	65	3	40	7												50								
21	X	2	71	237.59	D	0	30	70							1		17	6			1		70	1			1		2	1	
21	X	3	131	239.69	M	1	39	60	5	6			1	1			16	6			1		60				1		1	2	
21	X	5	98	242.36	M	10	60	40	1								30	14			3		40				1		4	7	
22	X	3	71	248.02	M	0	60	40	1						1		35	11					40				2			10	
22	X	6	8	251.89	D	1	25	74		5	1						12	5			1		74				1		1		
22	X	CC	15	253.73	M	5	90	5																100							Microcrystalline carbonate cement
23	X	2	50	256.8	D	0	20	80		4					1		7	3			1		80				1		3		
23	X	4	43	259.73	D	2	25	73					1				10	5					73				3		8		
24	X	2	126	267.12	M	0	25	75	4						1		12	3			1		75				2		1	1	
24	X	4	77	269.49	D	0	15	85	1								7	2			1		85				1		1	2	
25	X	1	79	274.89	M	10	30	60	2	7							11	4			1		60				8		2	5	
25	X	5	51	280.61	D	5	40	55	11			1					13	6			1		55				5		1	7	
25	X	5	76	280.86	M	3	30	67	2	2			1		3		7	2	1		1		67				10		1	3	
26	X	1	28	283.98	M	29	70	1	1				1				42	27	3		2		1				3		15	5	
26	X	4	48	288.68	D	5	23	72	8	1		1					7	3			1		72				3		2	2	

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)																														
26	X	6	72	291.92	M	3	30	67	12	1		2			1		5	3	4		1		67				2		2		
27	X	1	48	293.78	D	5	44	51	20	3		1			1		12	8	1				51	2					1		
27	X	4	97	298.69	M	25	73	2	2	2							39	26					2				1		20	8	
27	X	5	30	299.41	D	2	45	53	30			4		1	1		10	5			1		46				1		1		
Hole D																														
1	X	1	30	0.3	D	2	30	68									10	6					68	4			3	3	6		
1	X	2	6	1.56	M	1	12	87									7						87				3		3		
2	X	2	45	5.95	D	0	26	74		1							10	6					74	4			2		3		
Hole E																														
2	X	1	70	7.2	D	0	29	71	3	4	2	1			1		6	4					69	6			4				
7	Y	1	17		D	5	15	70	5	3							10						70				5		7		
8	X	2	26	28.46	D	1	16	83	5						1		5	3			1		83	1			1				
8	X	2	85	29.05	M	25	45	30	4	30			1				8	5			1		30	7			5		9		
8	X	3	13	29.58	M	20	60	20									3	2				80		5			10				crushed glauconite
9	X	5	41	40.23	M	5	60	35	1								40	15			1		35				4		2	2	
9	X	5	50	40.32	D	0	25	75		1					1		12	7			1		75				1		1	1	
10	P	1	13		D	10	70	20									43	28					20				3		6		
11	Y	1	35		D	5	30	65	30			3	1				2						62				2				

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 B																															
3	X	1	0	1	M	5	15	80		x						x	x				x		xxx			x			x	0	carb crust in PAL sample (1)
6	X	1	47	50	M	5	15	75		x					x	x	x						xxx			x			x	0	carbonate piece in soupy (2)
10	H	5	107	110	M																									0	olivine basalt
Hole C																															
5	P	1	0	1	M	0	5	95		x						x	x						xxx							0	carbonate concretion (3)

(1): still many detrital grains; some forams; micritic/microsparitic clotted texture; some fine carbonate needles in voids
(2): still many detrital grains; some forams; micritic/microsparitic clotted texture; spherulitic concretions 50 to 150 µm wide
(3): micritic/microsparitic clotted texture + voids infilled by fine fibro-radiate carbonate needles