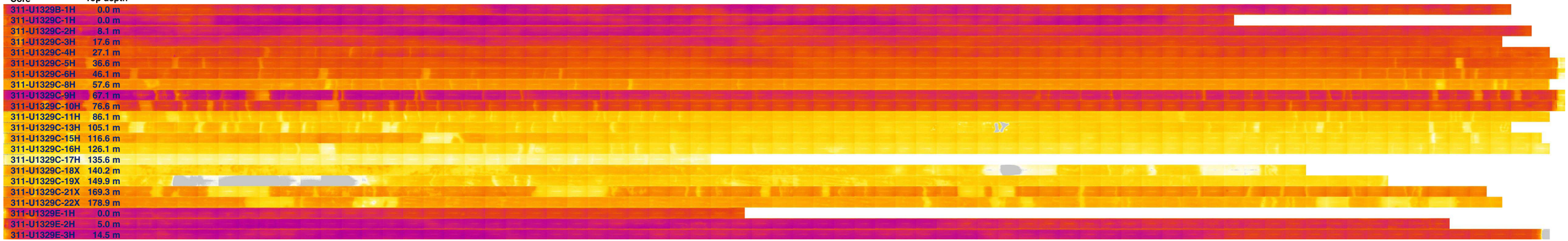
Expedition 311 Site U1329 composite infrared image

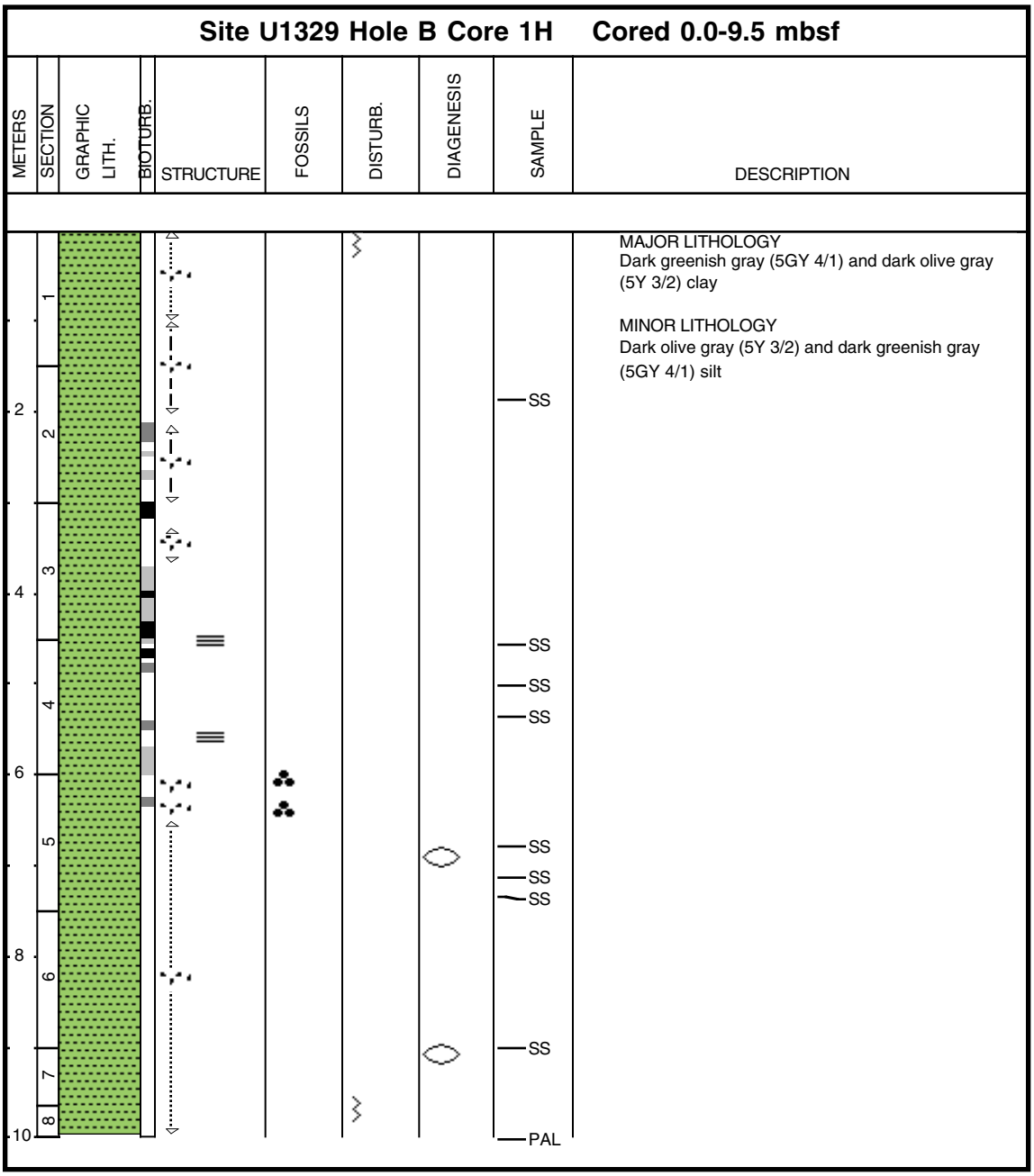
Select the core name to view its individual infrared image.

4° Temperature scale (°C) 15°

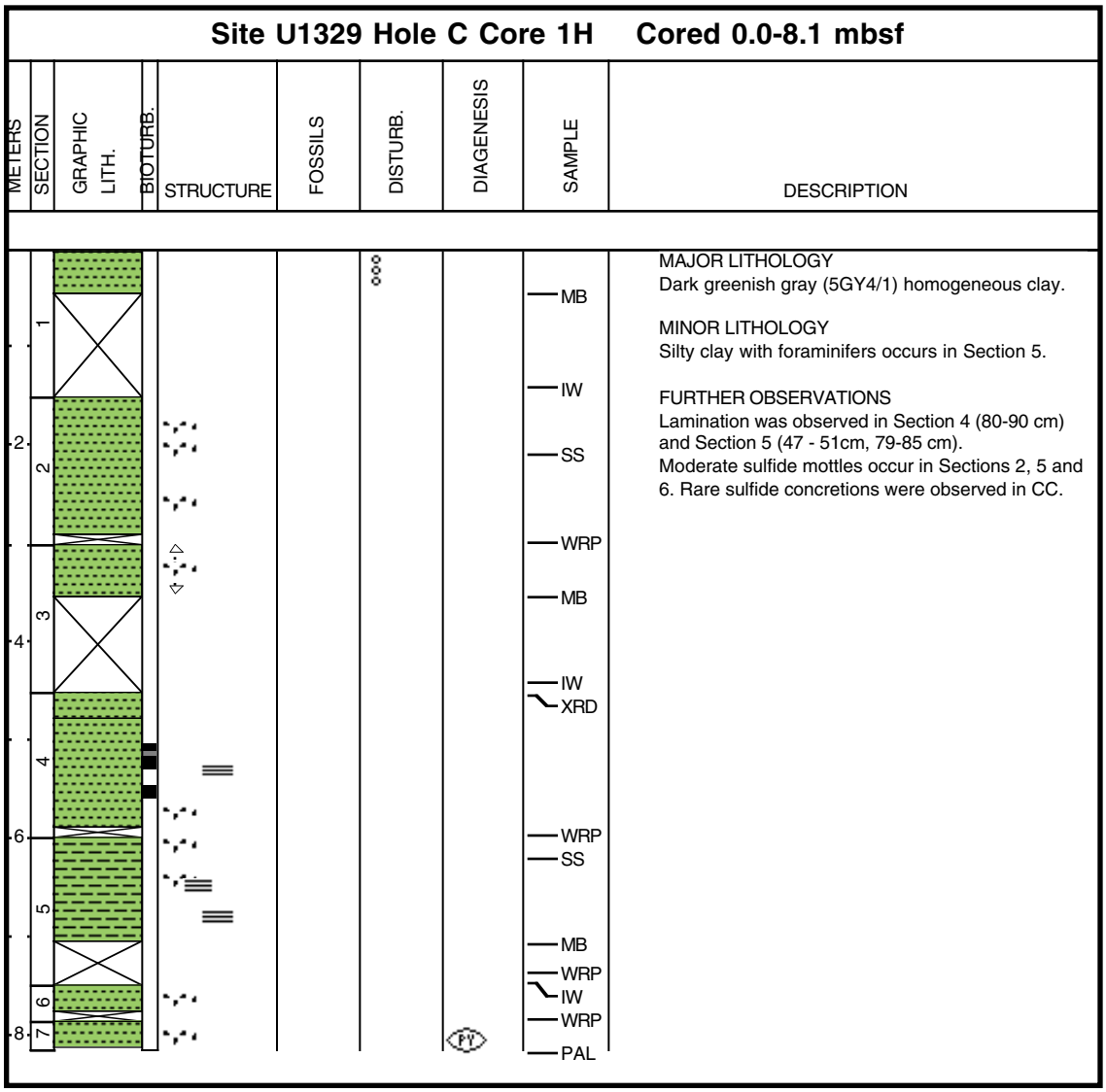
Core	Top depth
311-U1329B-1H	0.0 m
311-U1329C-1H	0.0 m
311-U1329C-2H	8.1 m
311-U1329C-3H	17.6 m
311-U1329C-4H	27.1 m
311-U1329C-5H	36.6 m
311-U1329C-6H	46.1 m
311-U1329C-8H	57.6 m
311-U1329C-9H	67.1 m
311-U1329C-10H	76.6 m
311-U1329C-11H	86.1 m
311-U1329C-13H	105.1 m
311-U1329C-15H	116.6 m
311-U1329C-16H	126.1 m
311-U1329C-17H	135.6 m
311-U1329C-18X	140.2 m
311-U1329C-19X	149.9 m
311-U1329C-21X	169.3 m
311-U1329C-22X	178.9 m
311-U1329E-1H	0.0 m
311-U1329E-2H	5.0 m
311-U1329E-3H	14.5 m



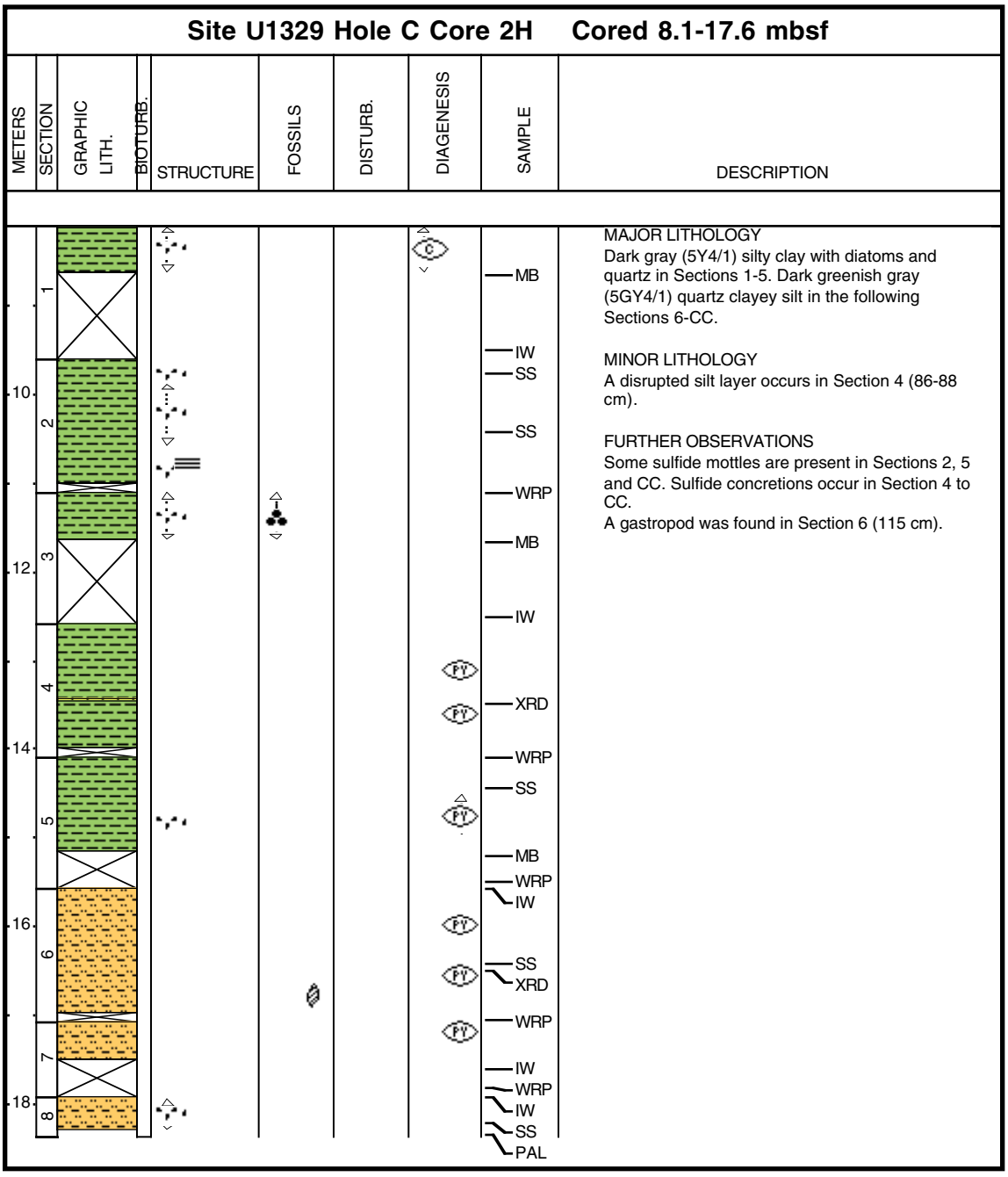
Core Photo


Site U1329 Hole B Core 1H Cored 0.0-9.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) and dark olive gray (5Y 3/2) clay
MINOR LITHOLOGY
Dark olive gray (5Y 3/2) and dark greenish gray (5GY 4/1) silt
SS
SS
SS
SS
SS
SS
SS
PAL

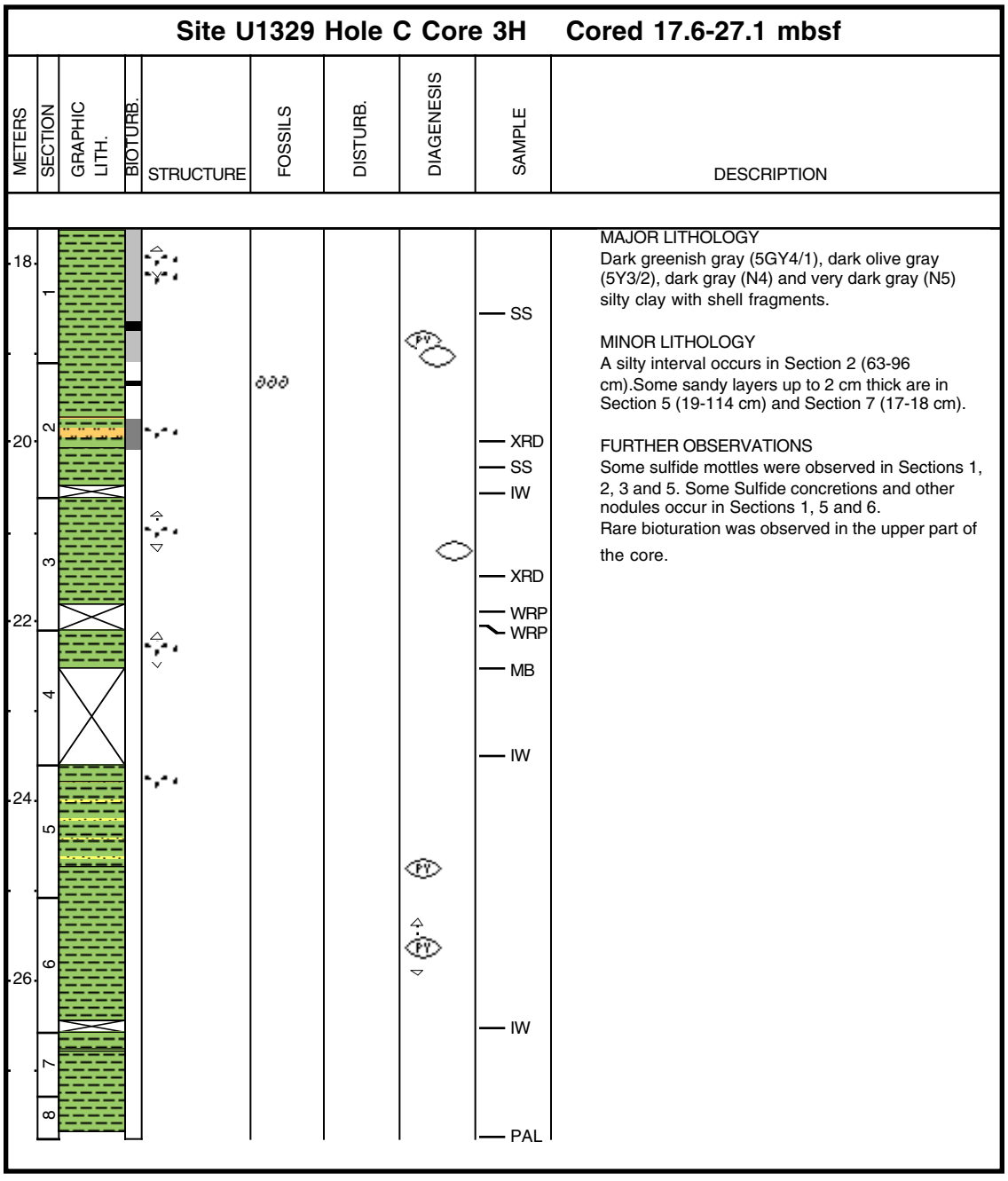
Core Photo


Site U1329 Hole C Core 1H Cored 0.0-8.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
MB
IW
SS
WRP
MB
IW
XRD
WRP
SS
MB
WRP
IW
WRP
PAL
PY
MAJOR LITHOLOGY
Dark greenish gray (5GY4/1) homogeneous clay.
MINOR LITHOLOGY
Silty clay with foraminifers occurs in Section 5.
FURTHER OBSERVATIONS
Lamination was observed in Section 4 (80-90 cm) and Section 5 (47 - 51cm, 79-85 cm).
Moderate sulfide mottles occur in Sections 2, 5 and 6. Rare sulfide concretions were observed in CC.

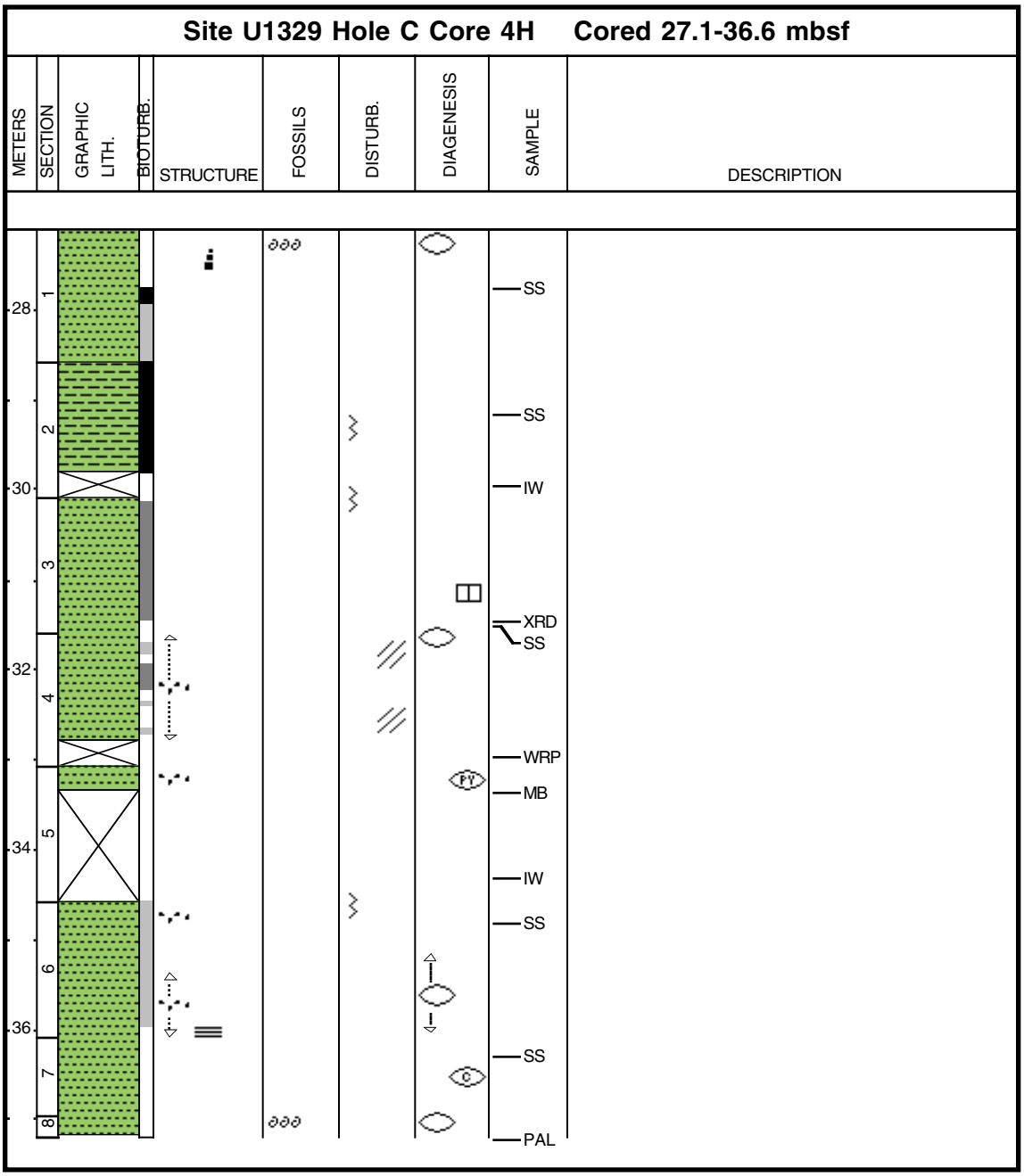
Core Photo


Site U1329 Hole C Core 2H Cored 8.1-17.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
10
12
14
16
18
1
2
3
4
5
6
7
8
C
PY
MB
IW
SS
WRP
XRD
PAL
MAJOR LITHOLOGY
Dark gray (5Y4/1) silty clay with diatoms and quartz in Sections 1-5. Dark greenish gray (5GY4/1) quartz clayey silt in the following Sections 6-CC.
MINOR LITHOLOGY
A disrupted silt layer occurs in Section 4 (86-88 cm).
FURTHER OBSERVATIONS
Some sulfide mottles are present in Sections 2, 5 and CC. Sulfide concretions occur in Section 4 to CC.
A gastropod was found in Section 6 (115 cm).

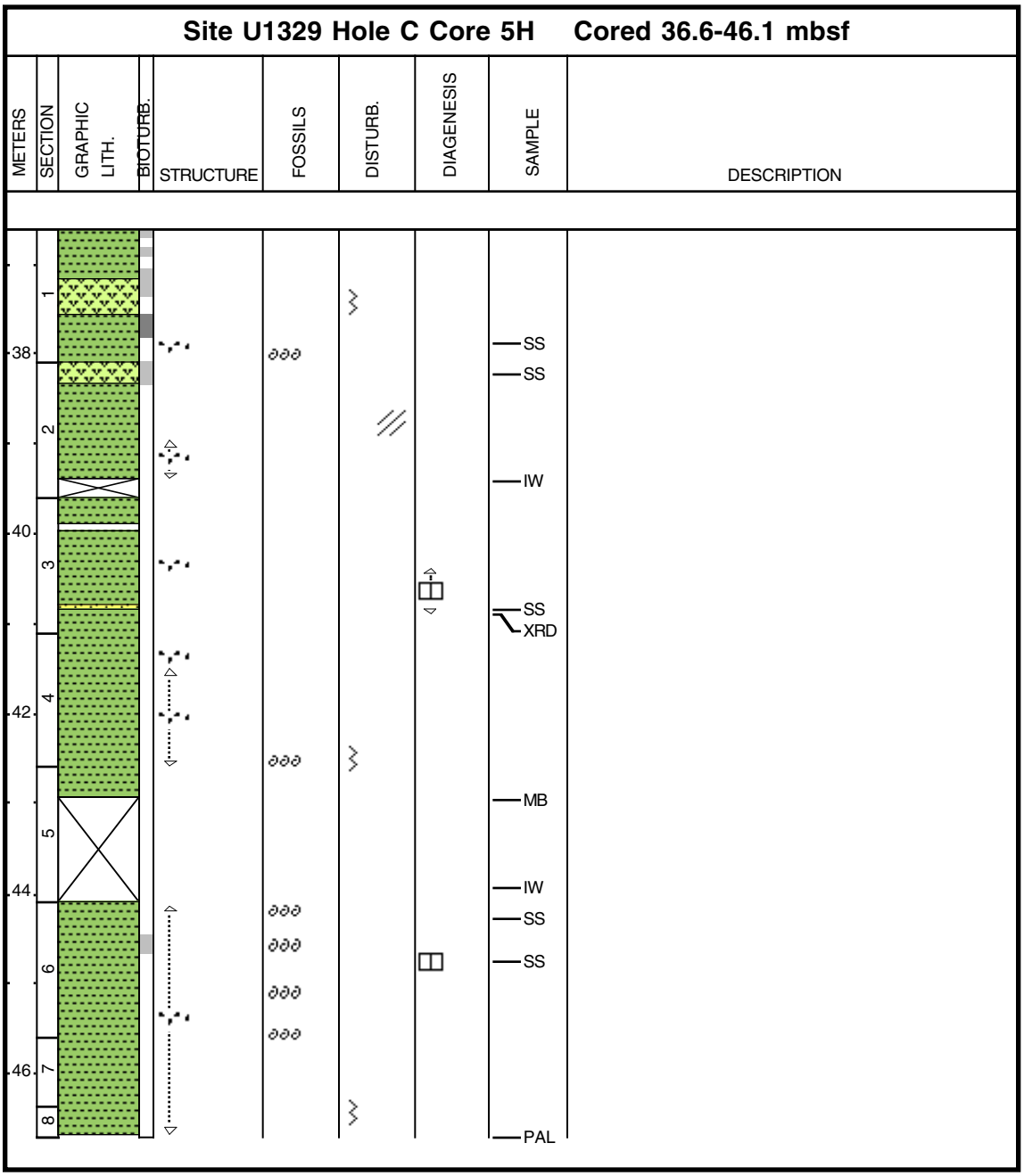
Core Photo


Site U1329 Hole C Core 3H Cored 17.6-27.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
18
20
22
24
26
1
2
3
4
5
6
7
8
SS
XRD
SS
IW
XRD
WRP
WRP
MB
IW
IW
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY4/1), dark olive gray (5Y3/2), dark gray (N4) and very dark gray (N5) silty clay with shell fragments.
MINOR LITHOLOGY
A silty interval occurs in Section 2 (63-96 cm).Some sandy layers up to 2 cm thick are in Section 5 (19-114 cm) and Section 7 (17-18 cm).
FURTHER OBSERVATIONS
Some sulfide mottles were observed in Sections 1, 2, 3 and 5. Some Sulfide concretions and other nodules occur in Sections 1, 5 and 6.
Rare bioturation was observed in the upper part of the core.

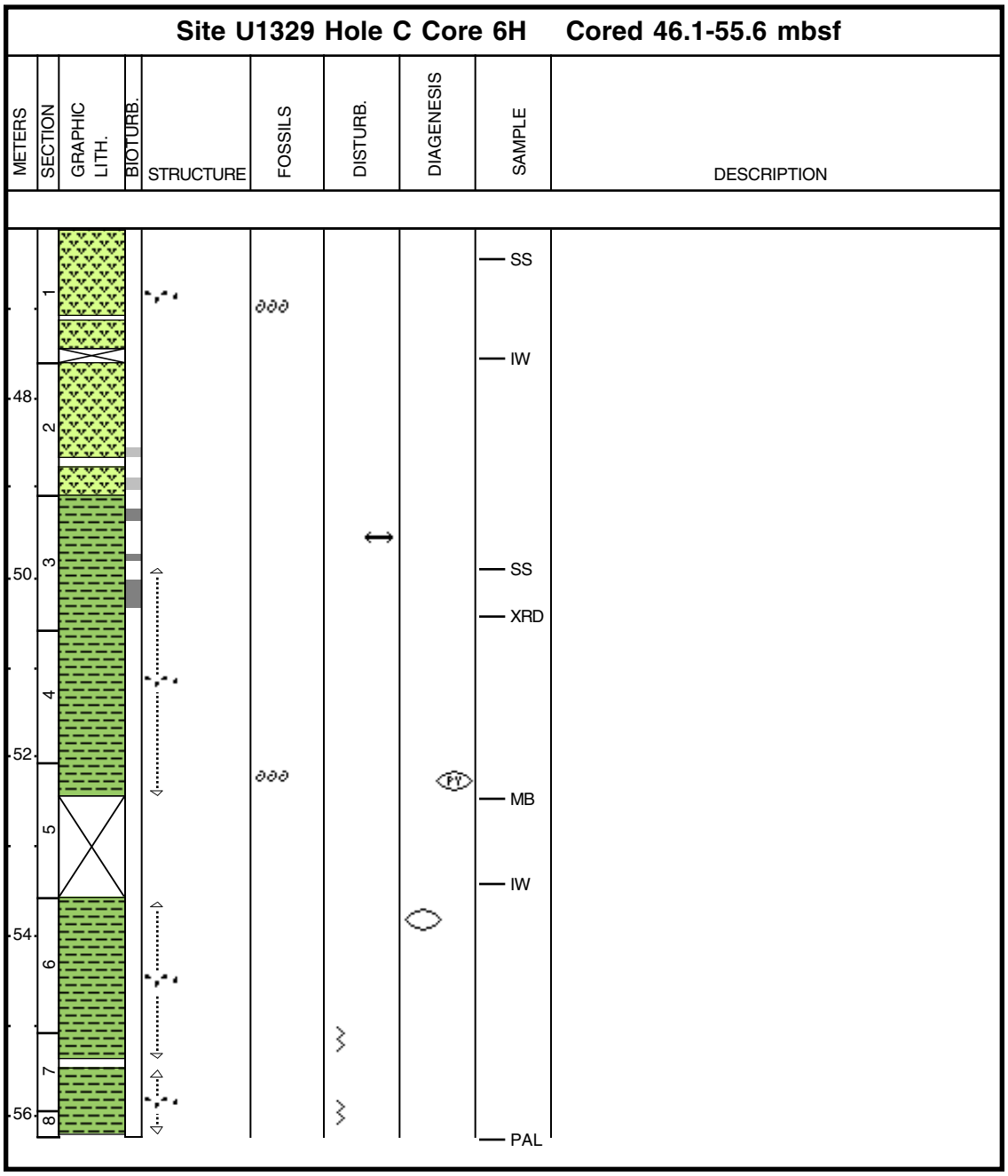
Core Photo


Site U1329 Hole C Core 4H Cored 27.1-36.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
28
30
32
34
36
1
2
3
4
5
6
7
8
SS
SS
IW
XRD
SS
WRP
MB
IW
SS
SS
PAL
PY
C

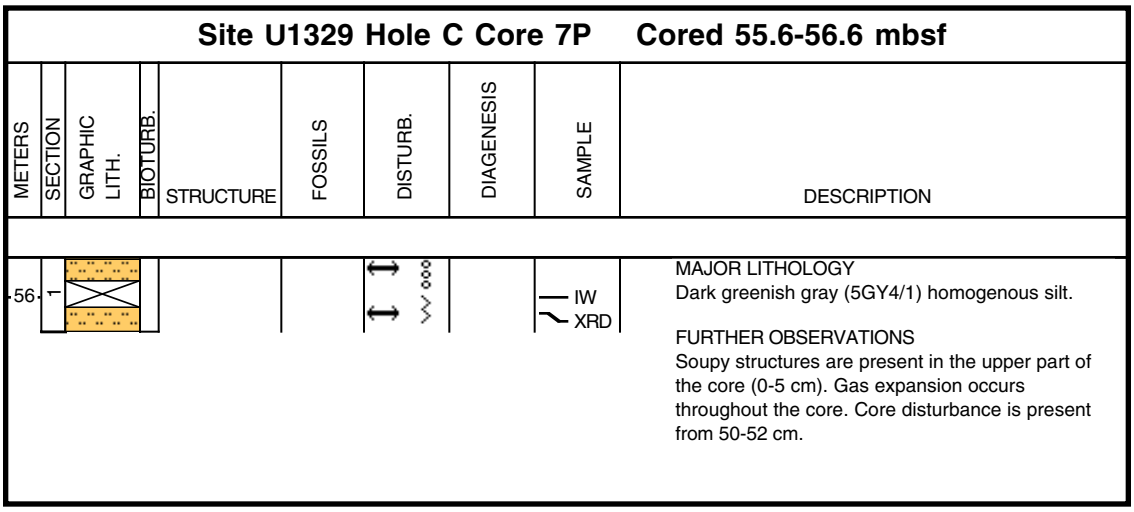
Core Photo


Site U1329 Hole C Core 5H Cored 36.6-46.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
38
40
42
44
46
1
2
3
4
5
6
7
8
SS
SS
IW
SS
XRD
MB
IW
SS
SS
PAL

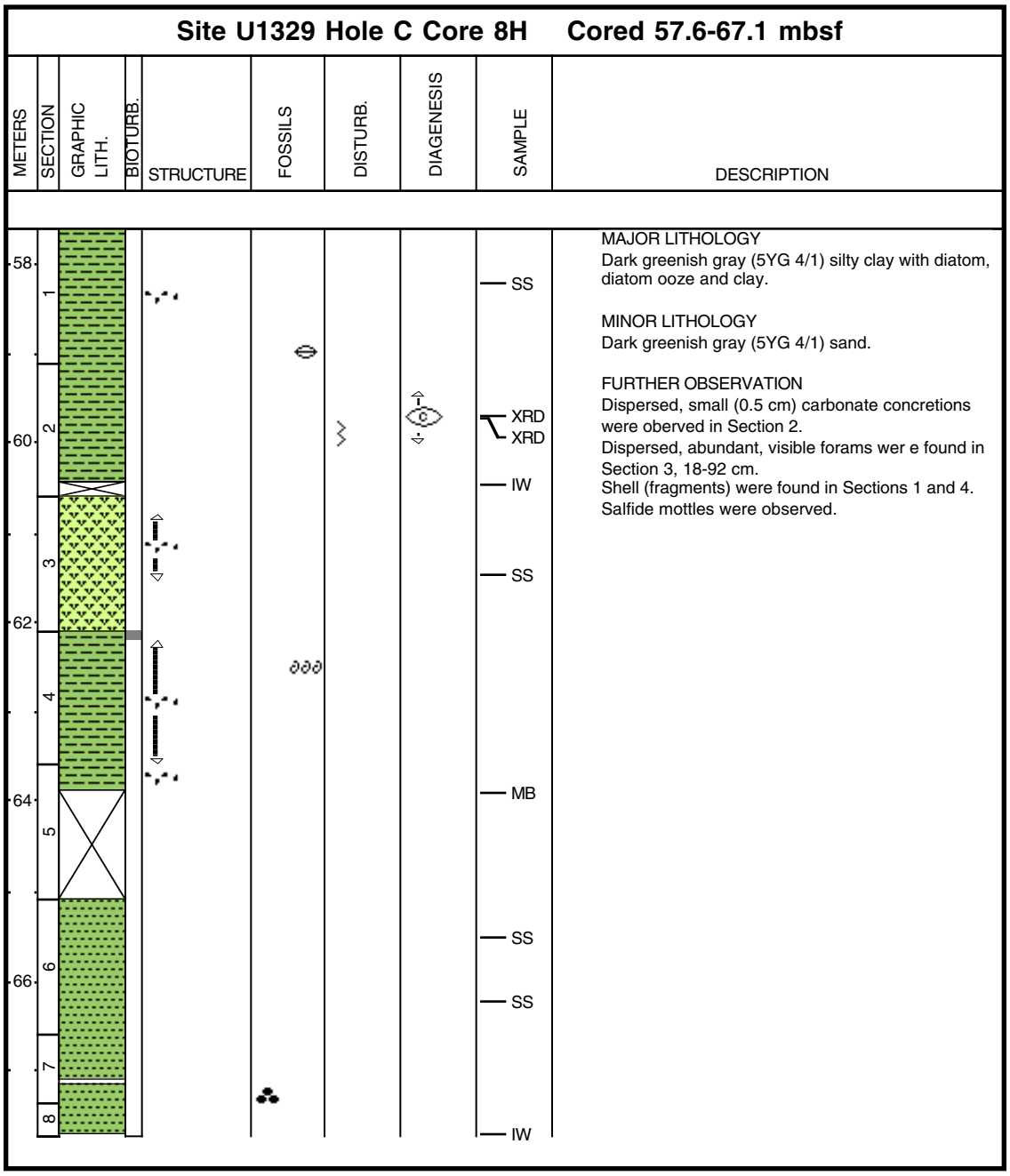
Core Photo


Site U1329 Hole C Core 6H 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
IW
SS
XRD
MB
IW
PAL
PY

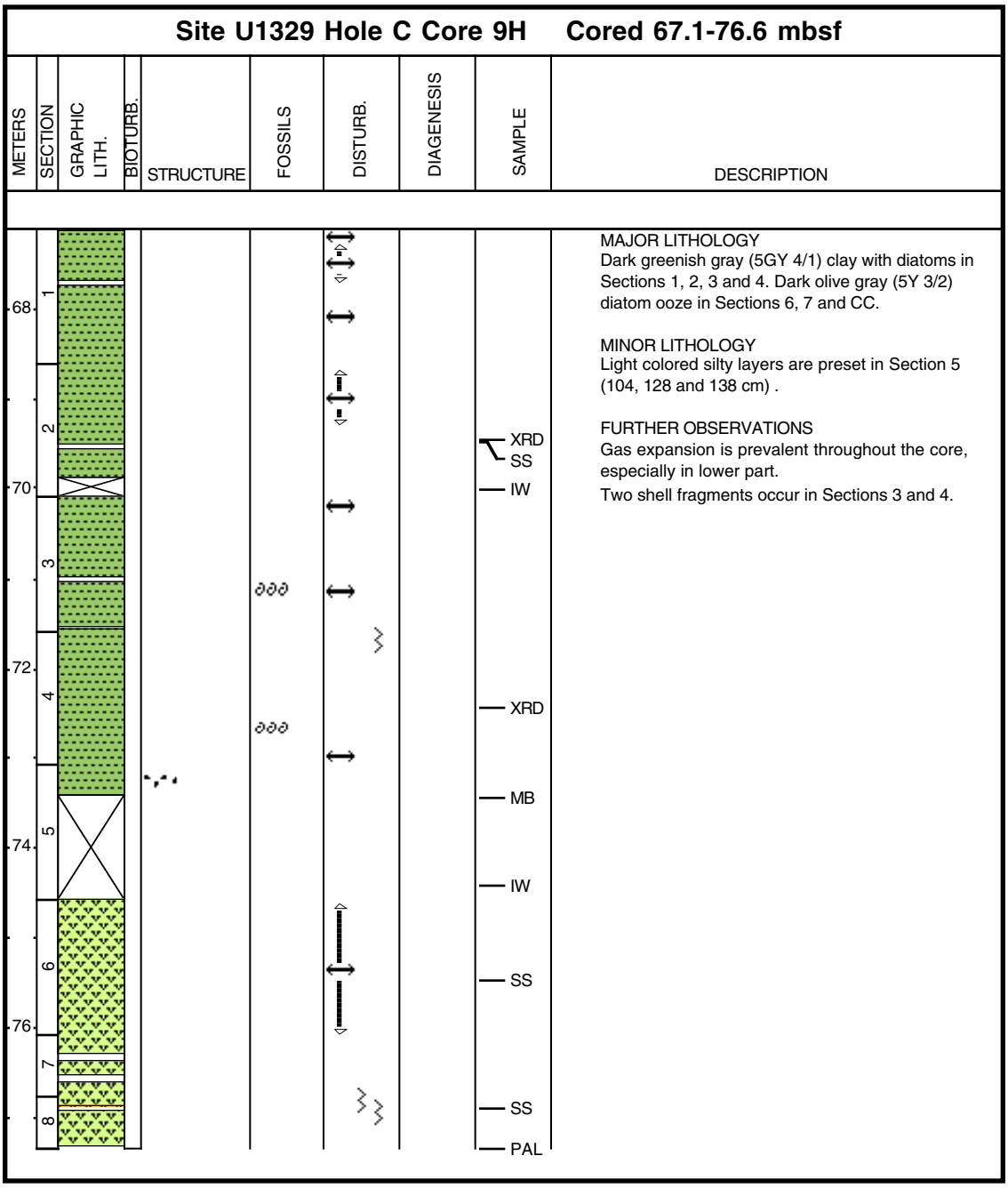
Core Photo


Site U1329 Hole C Core 7P Cored 55.6-56.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
56
1
IW
XRD
MAJOR LITHOLOGY
Dark greenish gray (5GY4/1) homogenous silt.
FURTHER OBSERVATIONS
Soupy structures are present in the upper part of the core (0-5 cm). Gas expansion occurs throughout the core. Core disturbance is present from 50-52 cm.

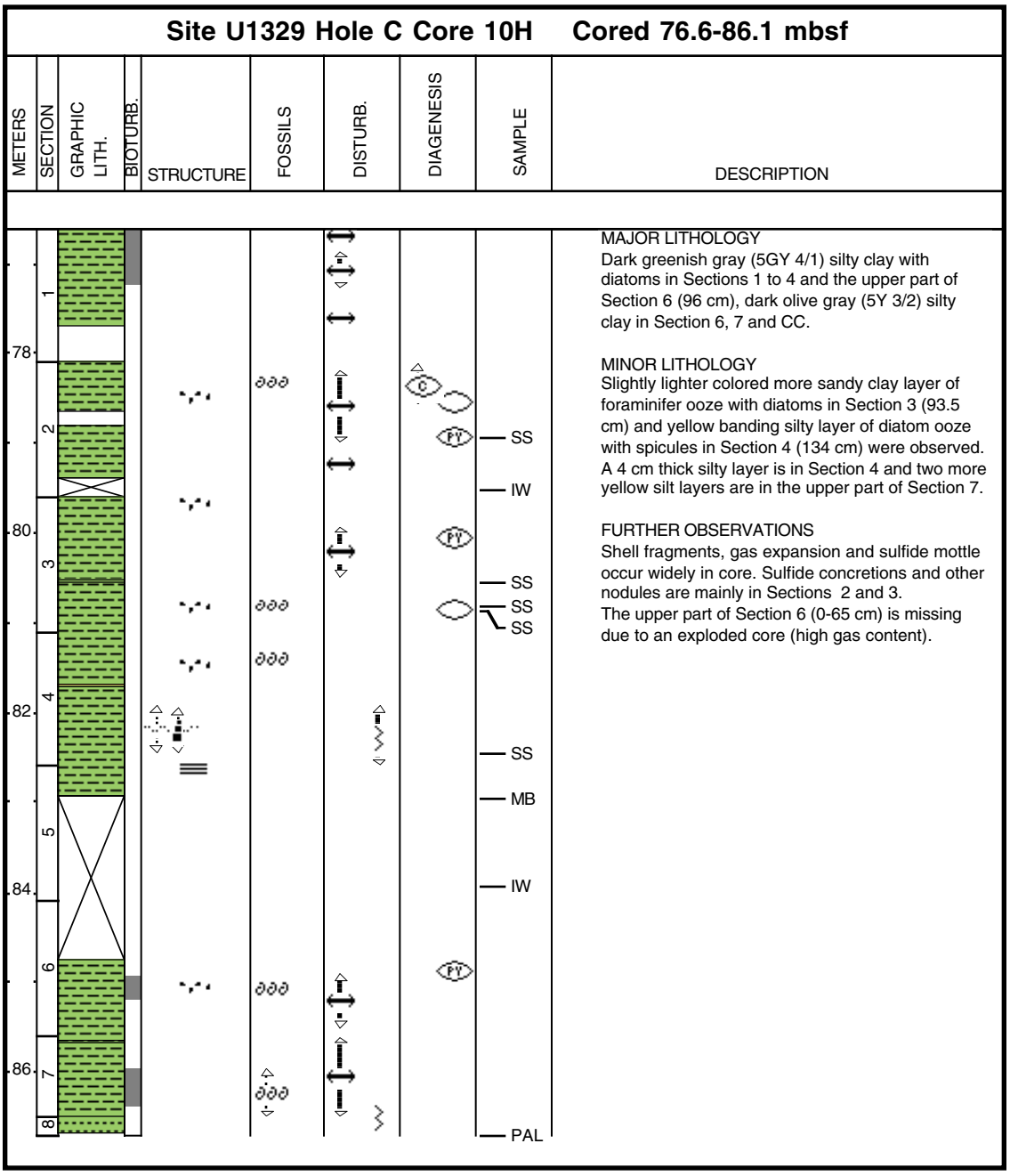
Core Photo


Site U1329 Hole C Core 8H Cored 57.6-67.1 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
SS
XRD
XRD
IW
SS
MB
SS
SS
IW
MAJOR LITHOLOGY
Dark greenish gray (5YG 4/1) silty clay with diatom, diatom ooze and clay.
MINOR LITHOLOGY
Dark greenish gray (5YG 4/1) sand.
FURTHER OBSERVATION
Dispersed, small (0.5 cm) carbonate concretions were oberved in Section 2.
Dispersed, abundant, visible forams wer e found in Section 3, 18-92 cm.
Shell (fragments) were found in Sections 1 and 4.
Salfide mottles were observed.

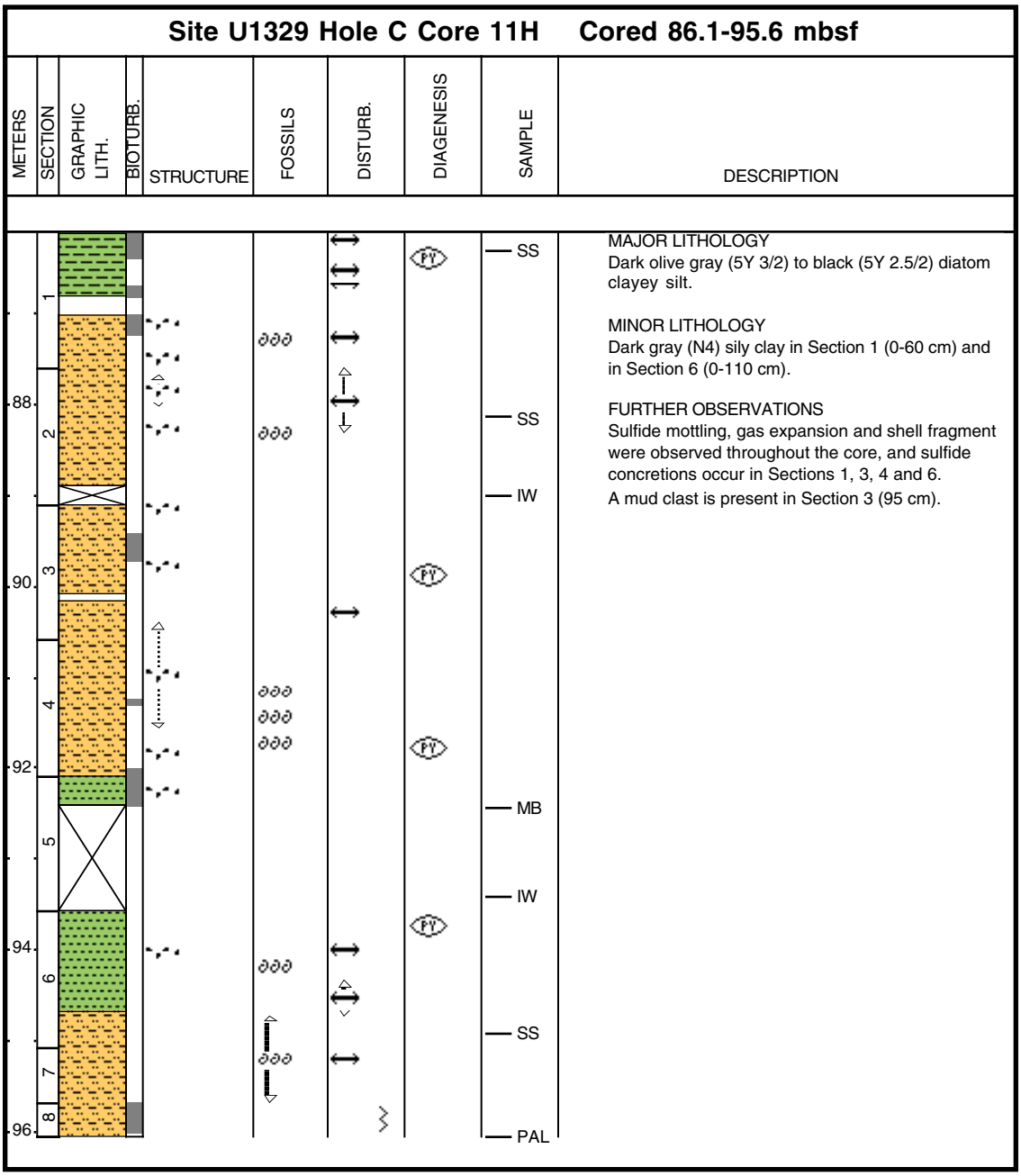
Core Photo


Site U1329 Hole C Core 9H Cored 67.1-76.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
68
70
72
74
76
1
2
3
4
5
6
7
8
XRD
SS
IW
XRD
MB
IW
SS
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) clay with diatoms in Sections 1, 2, 3 and 4. Dark olive gray (5Y 3/2) diatom ooze in Sections 6, 7 and CC.
MINOR LITHOLOGY
Light colored silty layers are preset in Section 5 (104, 128 and 138 cm) .
FURTHER OBSERVATIONS
Gas expansion is prevalent throughout the core, especially in lower part.
Two shell fragments occur in Sections 3 and 4.

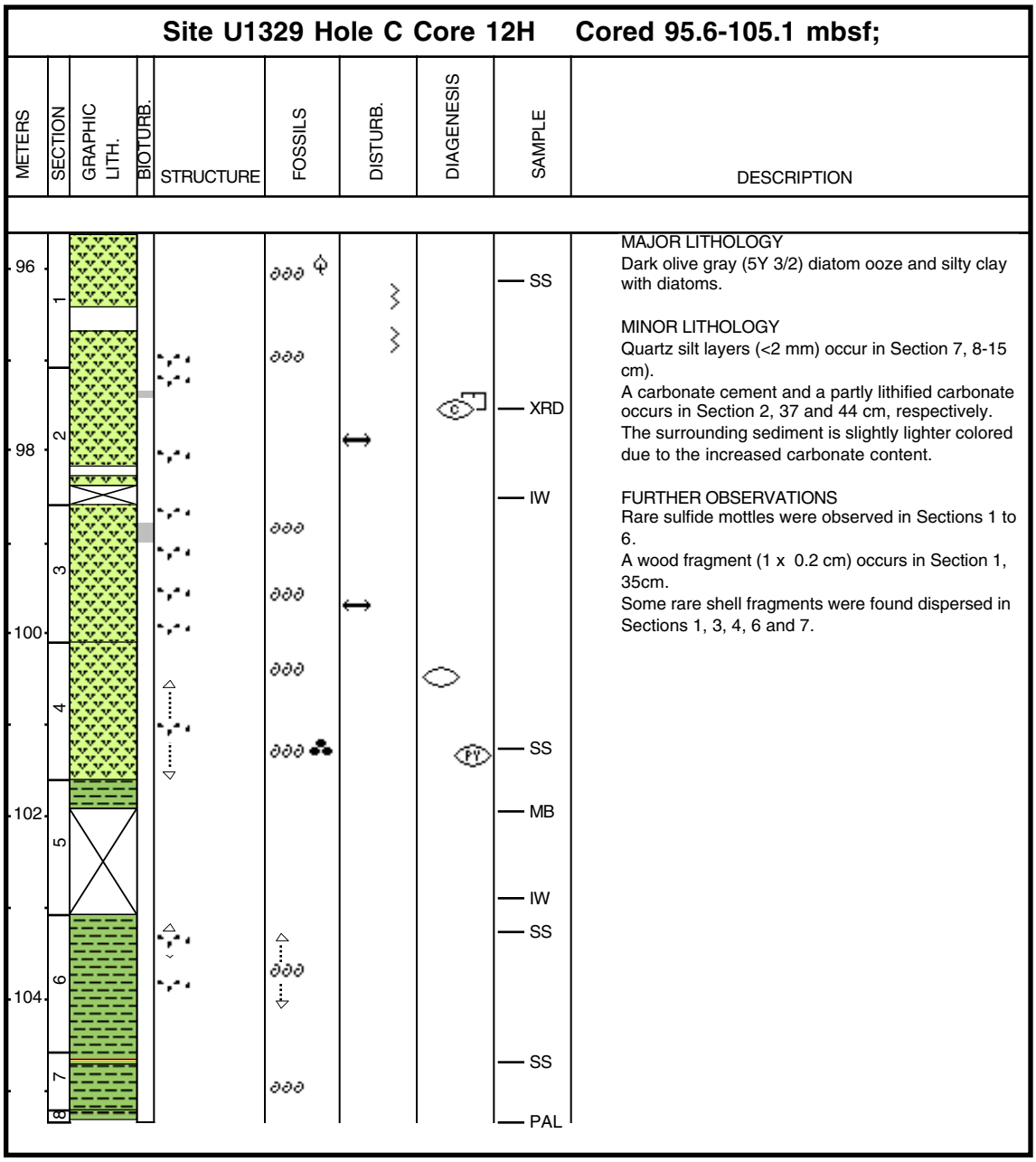
Core Photo


Site U1329 Hole C Core 10H Cored 76.6-86.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
78
80
82
84
86
1
2
3
4
5
6
7
8
C
PY
SS
IW
SS
SS
SS
SS
MB
IW
PY
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay with diatoms in Sections 1 to 4 and the upper part of Section 6 (96 cm), dark olive gray (5Y 3/2) silty clay in Section 6, 7 and CC.
MINOR LITHOLOGY
Slightly lighter colored more sandy clay layer of foraminifer ooze with diatoms in Section 3 (93.5 cm) and yellow banding silty layer of diatom ooze with spicules in Section 4 (134 cm) were observed. A 4 cm thick silty layer is in Section 4 and two more yellow silt layers are in the upper part of Section 7.
FURTHER OBSERVATIONS
Shell fragments, gas expansion and sulfide mottle occur widely in core. Sulfide concretions and other nodules are mainly in Sections 2 and 3.
The upper part of Section 6 (0-65 cm) is missing due to an exploded core (high gas content).

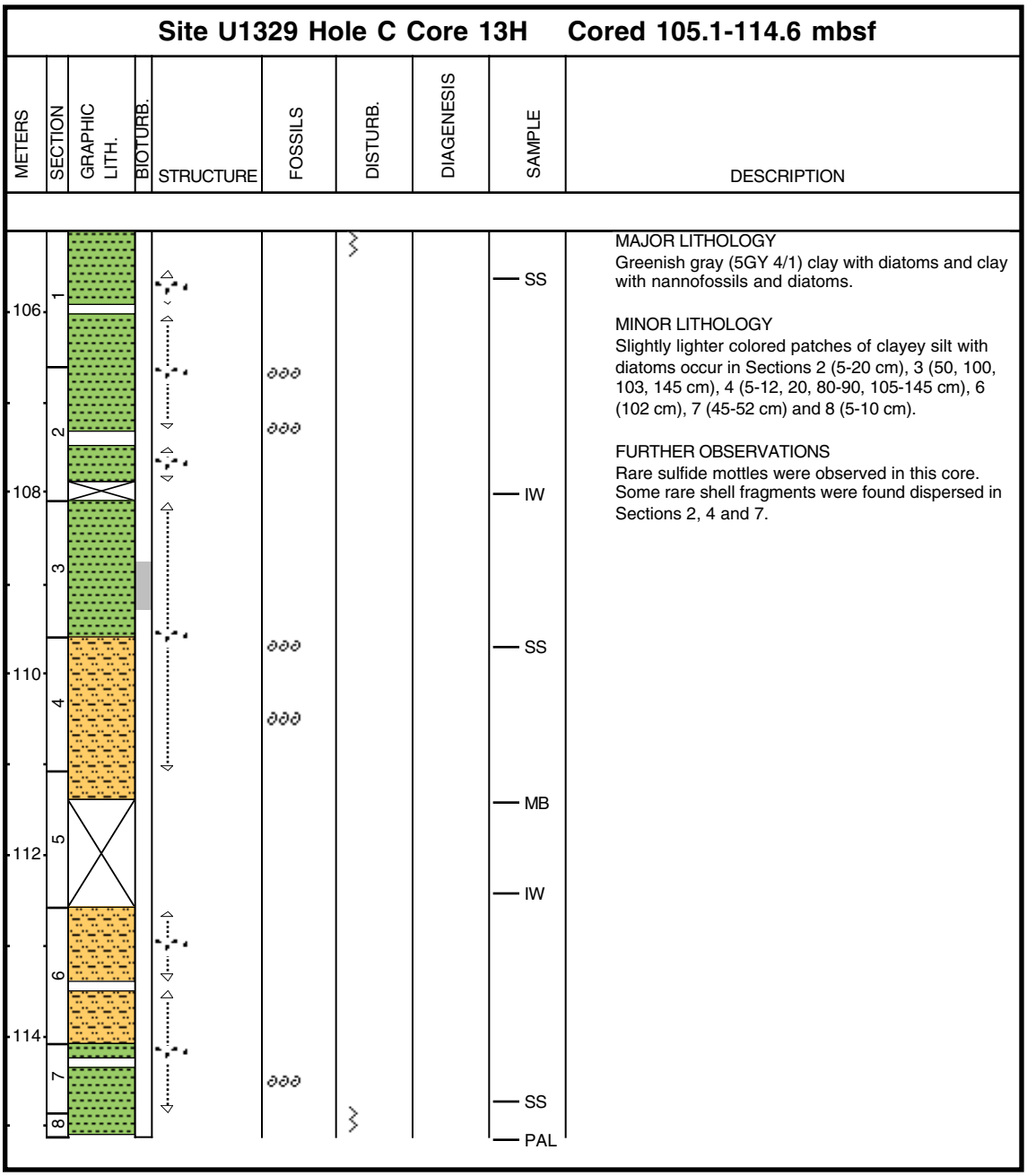
Core Photo


Site U1329 Hole C Core 11H Cored 86.1-95.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
88
90
92
94
96
1
2
3
4
5
6
7
8
SS
SS
IW
MB
IW
SS
PAL
MAJOR LITHOLOGY
Dark olive gray (5Y 3/2) to black (5Y 2.5/2) diatom clayey silt.
MINOR LITHOLOGY
Dark gray (N4) sily clay in Section 1 (0-60 cm) and in Section 6 (0-110 cm).
FURTHER OBSERVATIONS
Sulfide mottling, gas expansion and shell fragment were observed throughout the core, and sulfide concretions occur in Sections 1, 3, 4 and 6.
A mud clast is present in Section 3 (95 cm).

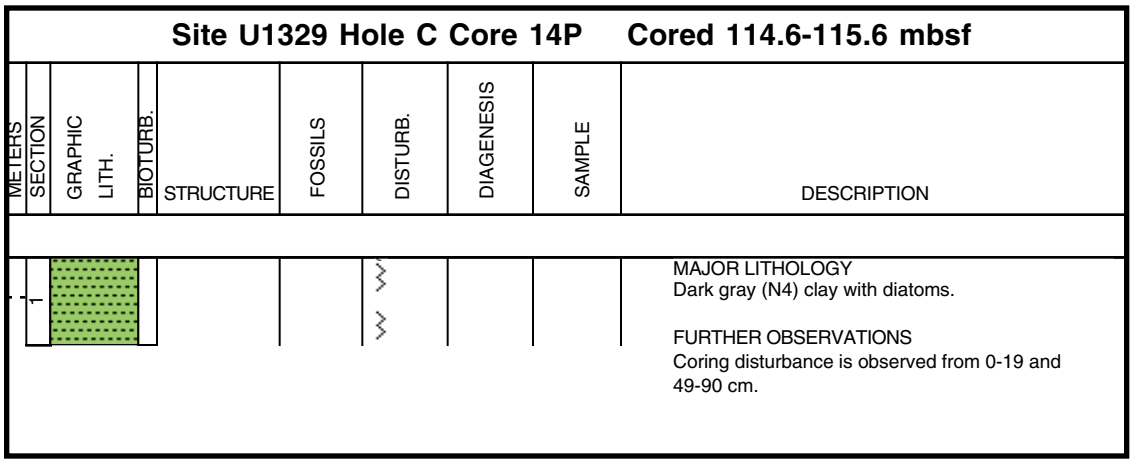
Core Photo


Site U1329 Hole C Core 12H Cored 95.6-105.1 mbsf;
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
96
98
100
102
104
1
2
3
4
5
6
7
8
SS
XRD
IW
SS
MB
IW
SS
SS
PAL
C
PY
MAJOR LITHOLOGY
Dark olive gray (5Y 3/2) diatom ooze and silty clay with diatoms.
MINOR LITHOLOGY
Quartz silt layers (<2 mm) occur in Section 7, 8-15 cm).
A carbonate cement and a partly lithified carbonate occurs in Section 2, 37 and 44 cm, respectively. The surrounding sediment is slightly lighter colored due to the increased carbonate content.
FURTHER OBSERVATIONS
Rare sulfide mottles were observed in Sections 1 to 6.
A wood fragment (1 x 0.2 cm) occurs in Section 1, 35cm.
Some rare shell fragments were found dispersed in Sections 1, 3, 4, 6 and 7.

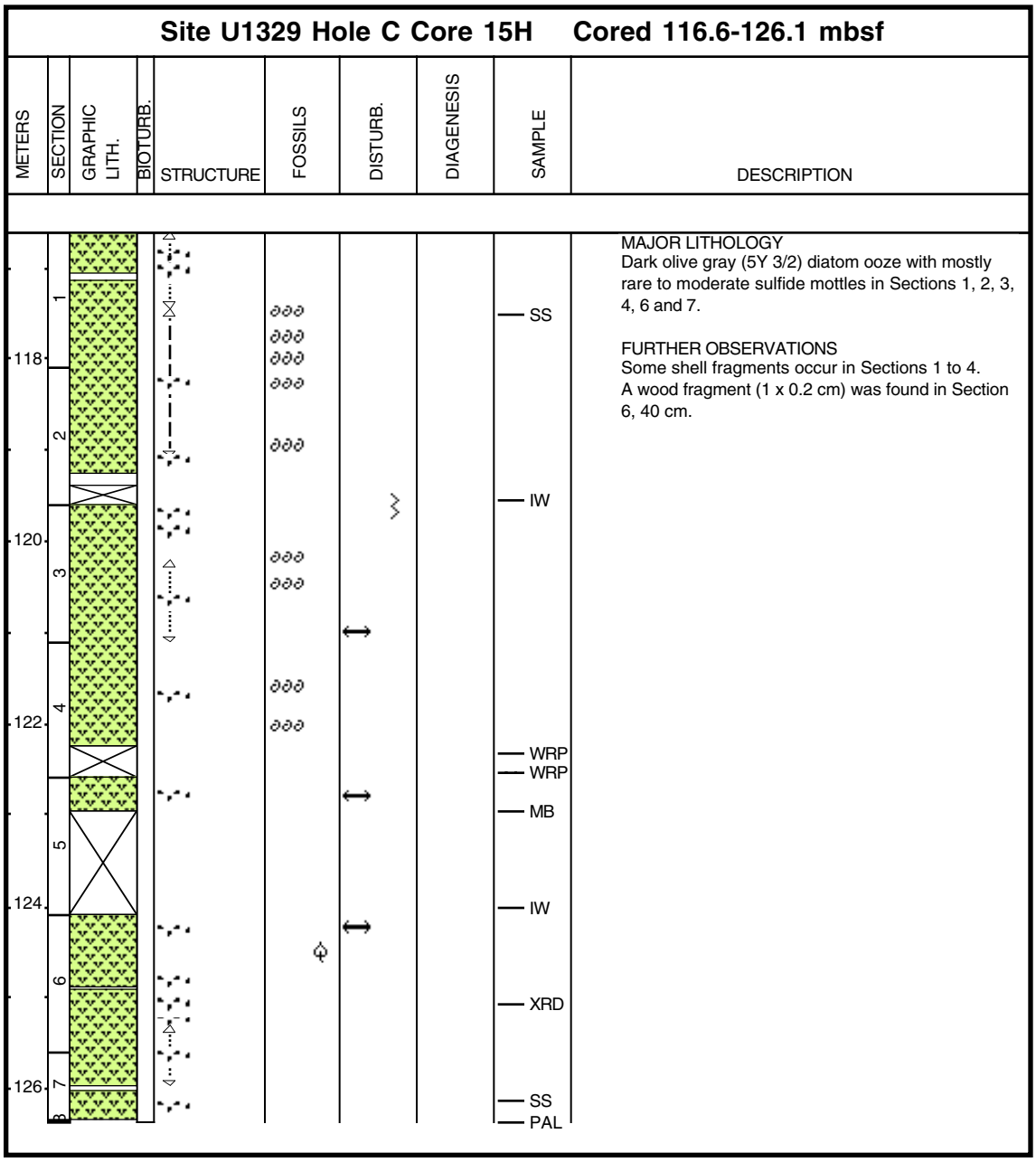
Core Photo


Site U1329 Hole C Core 13H Cored 105.1-114.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
106
108
110
112
114
1
2
3
4
5
6
7
8
SS
IW
SS
MB
IW
SS
PAL
MAJOR LITHOLOGY
Greenish gray (5GY 4/1) clay with diatoms and clay with nannofossils and diatoms.
MINOR LITHOLOGY
Slightly lighter colored patches of clayey silt with diatoms occur in Sections 2 (5-20 cm), 3 (50, 100, 103, 145 cm), 4 (5-12, 20, 80-90, 105-145 cm), 6 (102 cm), 7 (45-52 cm) and 8 (5-10 cm).
FURTHER OBSERVATIONS
Rare sulfide mottles were observed in this core. Some rare shell fragments were found dispersed in Sections 2, 4 and 7.

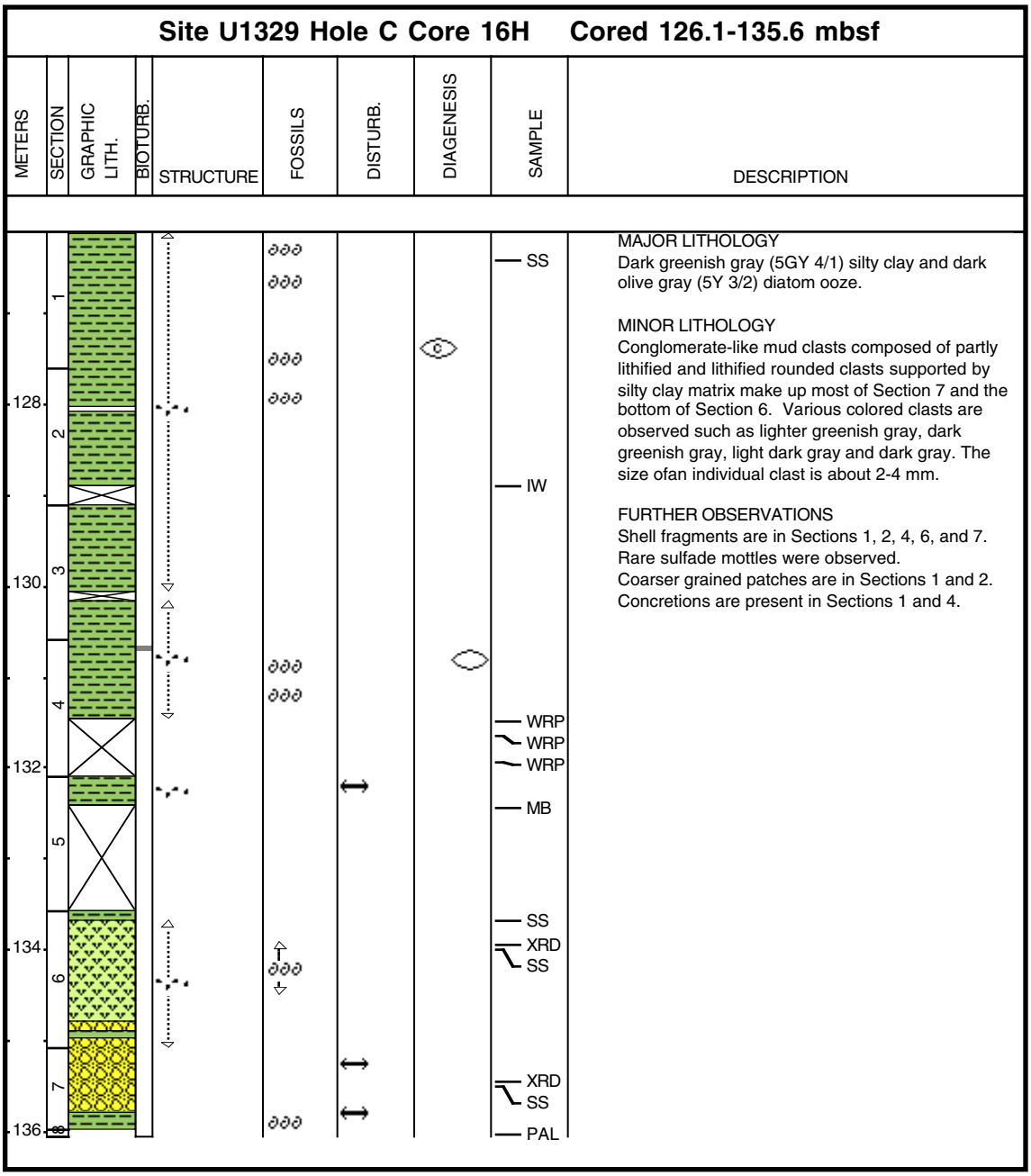
Core Photo


Site U1329 Hole C Core 14P Cored 114.6-115.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
MAJOR LITHOLOGY
Dark gray (N4) clay with diatoms.
FURTHER OBSERVATIONS
Coring disturbance is observed from 0-19 and 49-90 cm.

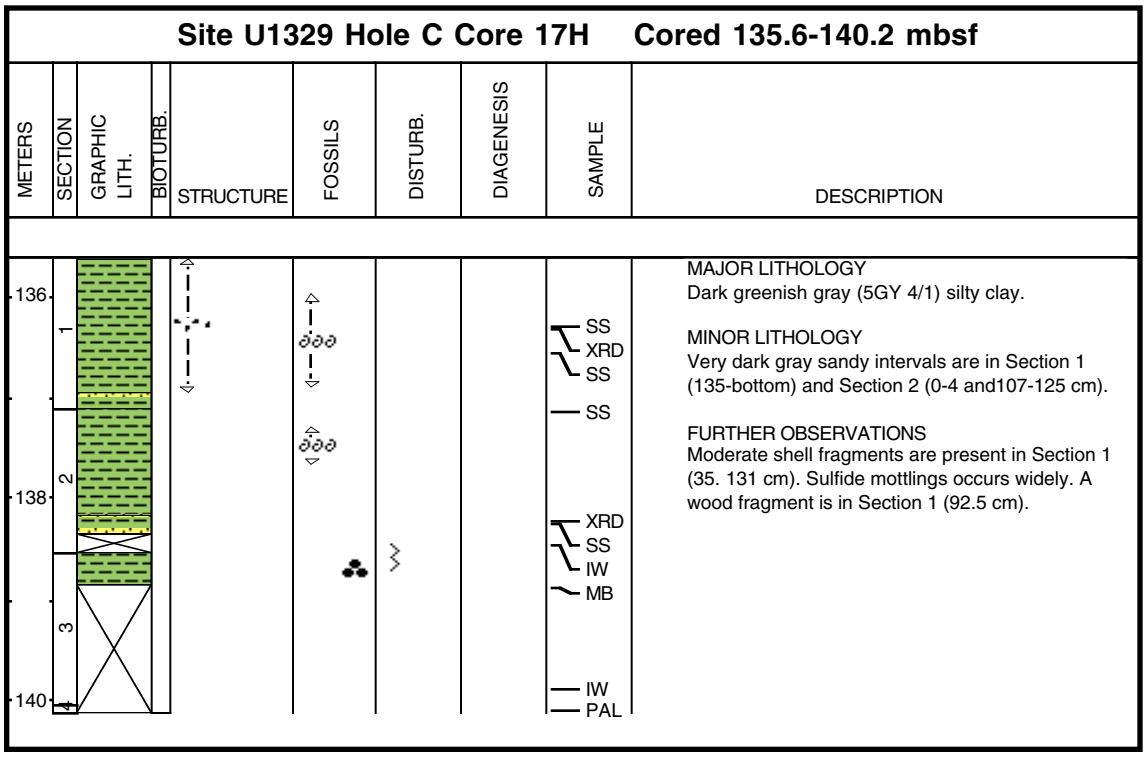
Core Photo


Site U1329 Hole C Core 15H Cored 116.6-126.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
118
120
122
124
126
1
2
3
4
5
6
7
CC
SS
IW
WRP
WRP
MB
IW
XRD
SS
PAL
MAJOR LITHOLOGY
Dark olive gray (5Y 3/2) diatom ooze with mostly rare to moderate sulfide mottles in Sections 1, 2, 3, 4, 6 and 7.
FURTHER OBSERVATIONS
Some shell fragments occur in Sections 1 to 4.
A wood fragment (1 x 0.2 cm) was found in Section 6, 40 cm.

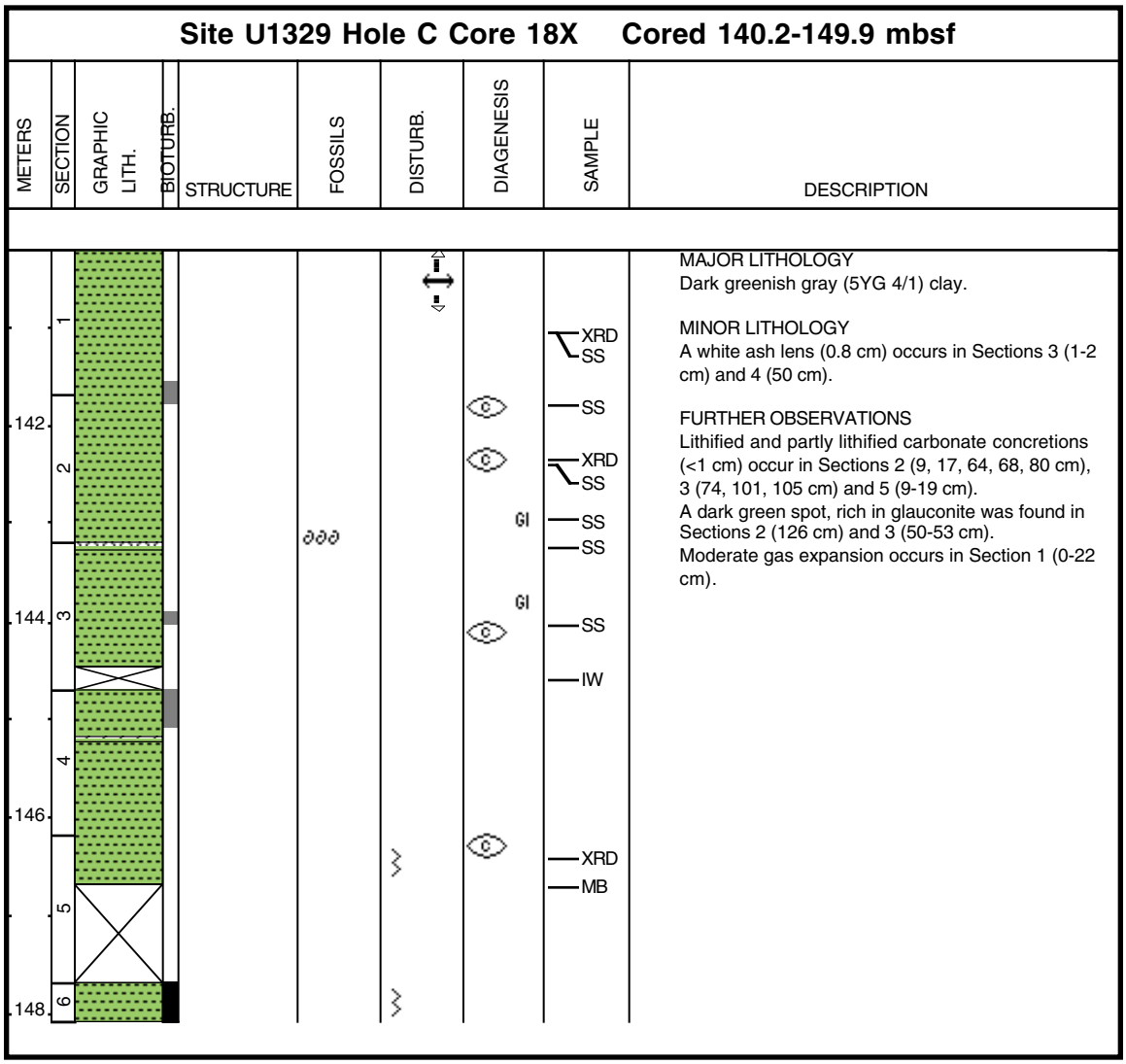
Core Photo


Site U1329 Hole C Core 16H Cored 126.1-135.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
128
130
132
134
136
1
2
3
4
5
6
7
C
SS
IW
WRP
WRP
WRP
MB
SS
XRD
SS
XRD
SS
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay and dark olive gray (5Y 3/2) diatom ooze.
MINOR LITHOLOGY
Conglomerate-like mud clasts composed of partly lithified and lithified rounded clasts supported by silty clay matrix make up most of Section 7 and the bottom of Section 6. Various colored clasts are observed such as lighter greenish gray, dark greenish gray, light dark gray and dark gray. The size ofan individual clast is about 2-4 mm.
FURTHER OBSERVATIONS
Shell fragments are in Sections 1, 2, 4, 6, and 7.
Rare sulfade mottles were observed.
Coarser grained patches are in Sections 1 and 2.
Concretions are present in Sections 1 and 4.

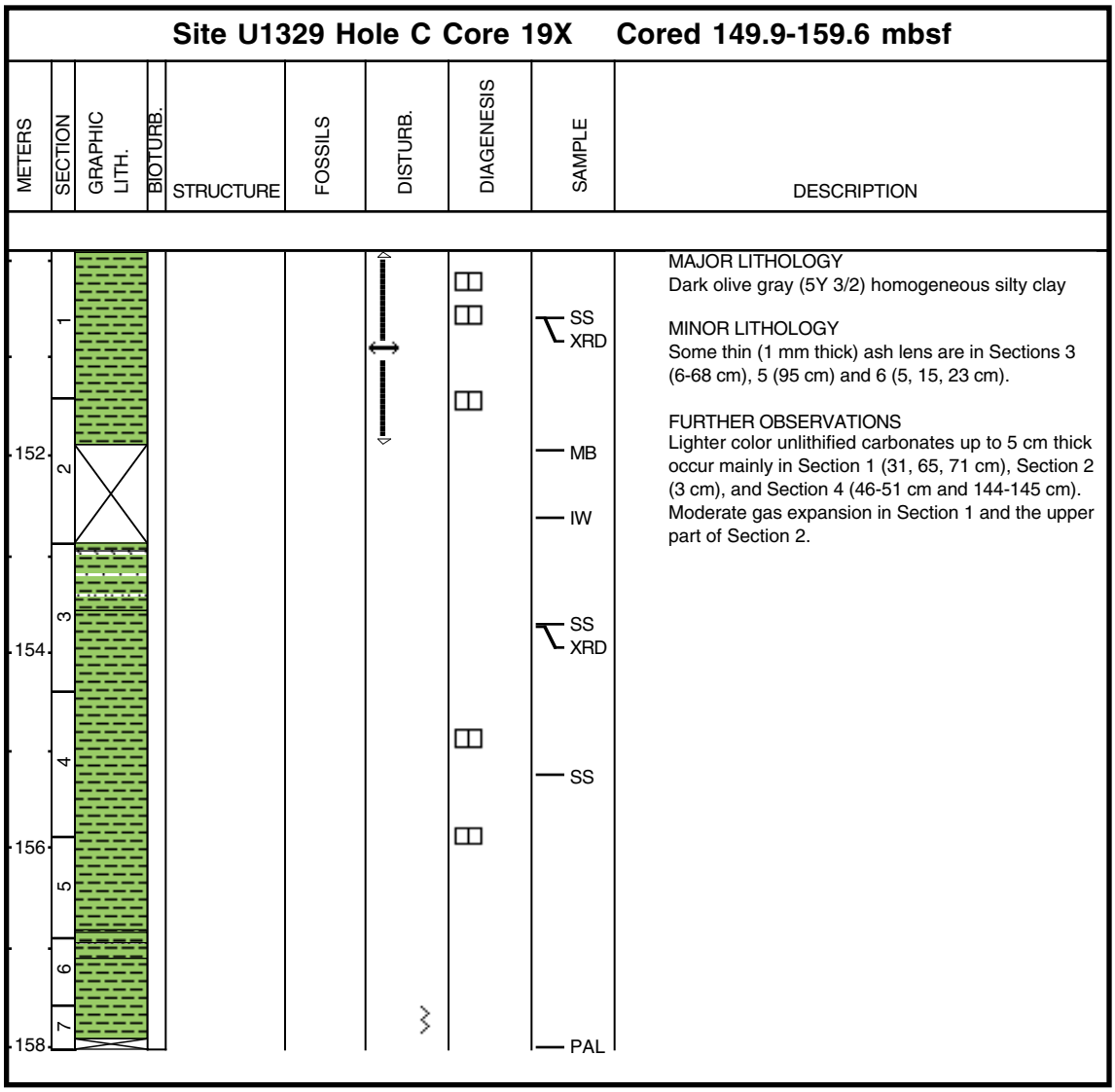
Core Photo


Site U1329 Hole C Core 17H Cored 135.6-140.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
136
138
140
1
2
3
4
SS
XRD
SS
SS
XRD
SS
IW
MB
IW
PAL
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) silty clay.
MINOR LITHOLOGY
Very dark gray sandy intervals are in Section 1 (135-bottom) and Section 2 (0-4 and107-125 cm).
FURTHER OBSERVATIONS
Moderate shell fragments are present in Section 1 (35. 131 cm). Sulfide mottlings occurs widely. A wood fragment is in Section 1 (92.5 cm).

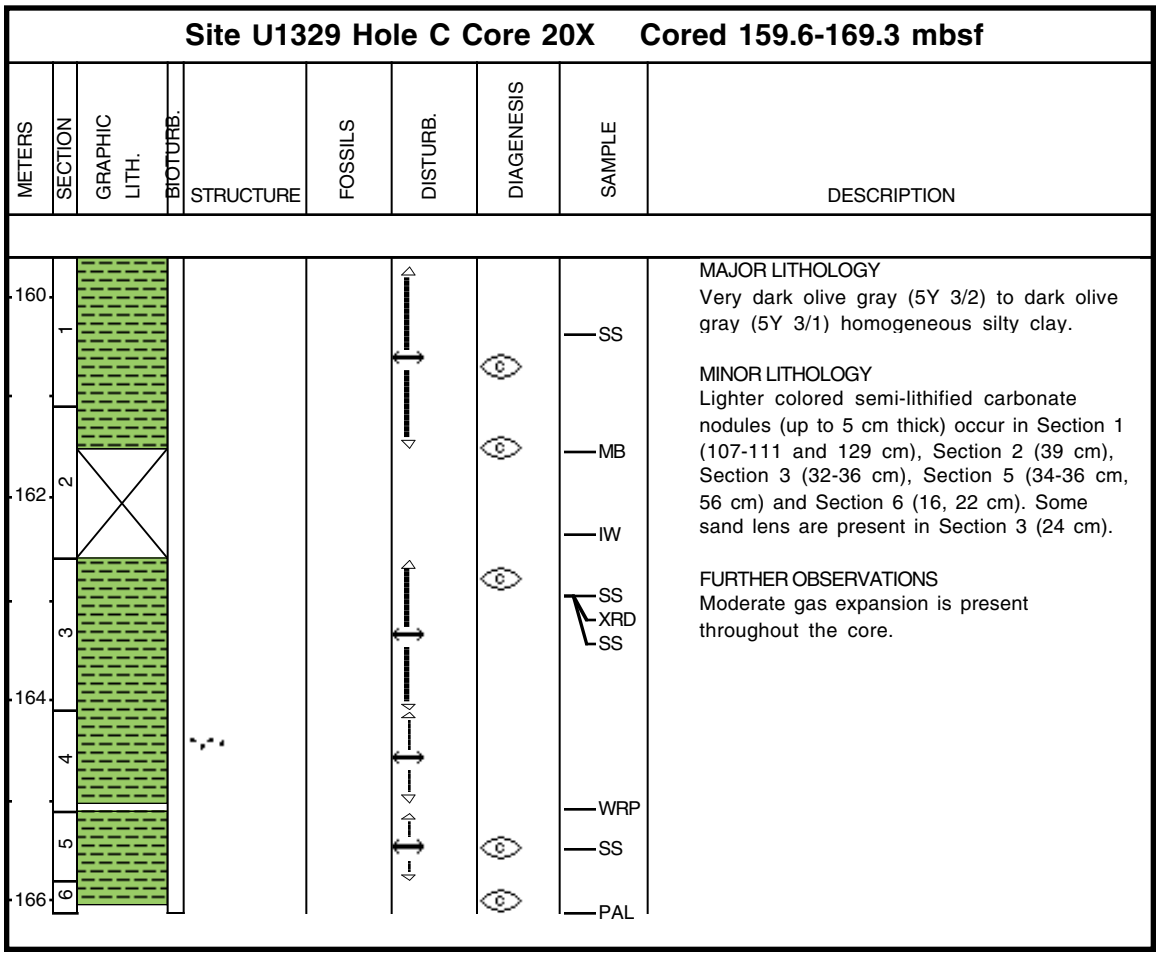
Core Photo


Site U1329 Hole C Core 18X Cored 140.2-149.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
142
144
146
148
1
2
3
4
5
6
XRD
SS
SS
XRD
SS
GI
SS
SS
GI
SS
IW
XRD
MB
MAJOR LITHOLOGY
Dark greenish gray (5YG 4/1) clay.
MINOR LITHOLOGY
A white ash lens (0.8 cm) occurs in Sections 3 (1-2 cm) and 4 (50 cm).
FURTHER OBSERVATIONS
Lithified and partly lithified carbonate concretions (<1 cm) occur in Sections 2 (9, 17, 64, 68, 80 cm), 3 (74, 101, 105 cm) and 5 (9-19 cm).
A dark green spot, rich in glauconite was found in Sections 2 (126 cm) and 3 (50-53 cm).
Moderate gas expansion occurs in Section 1 (0-22 cm).

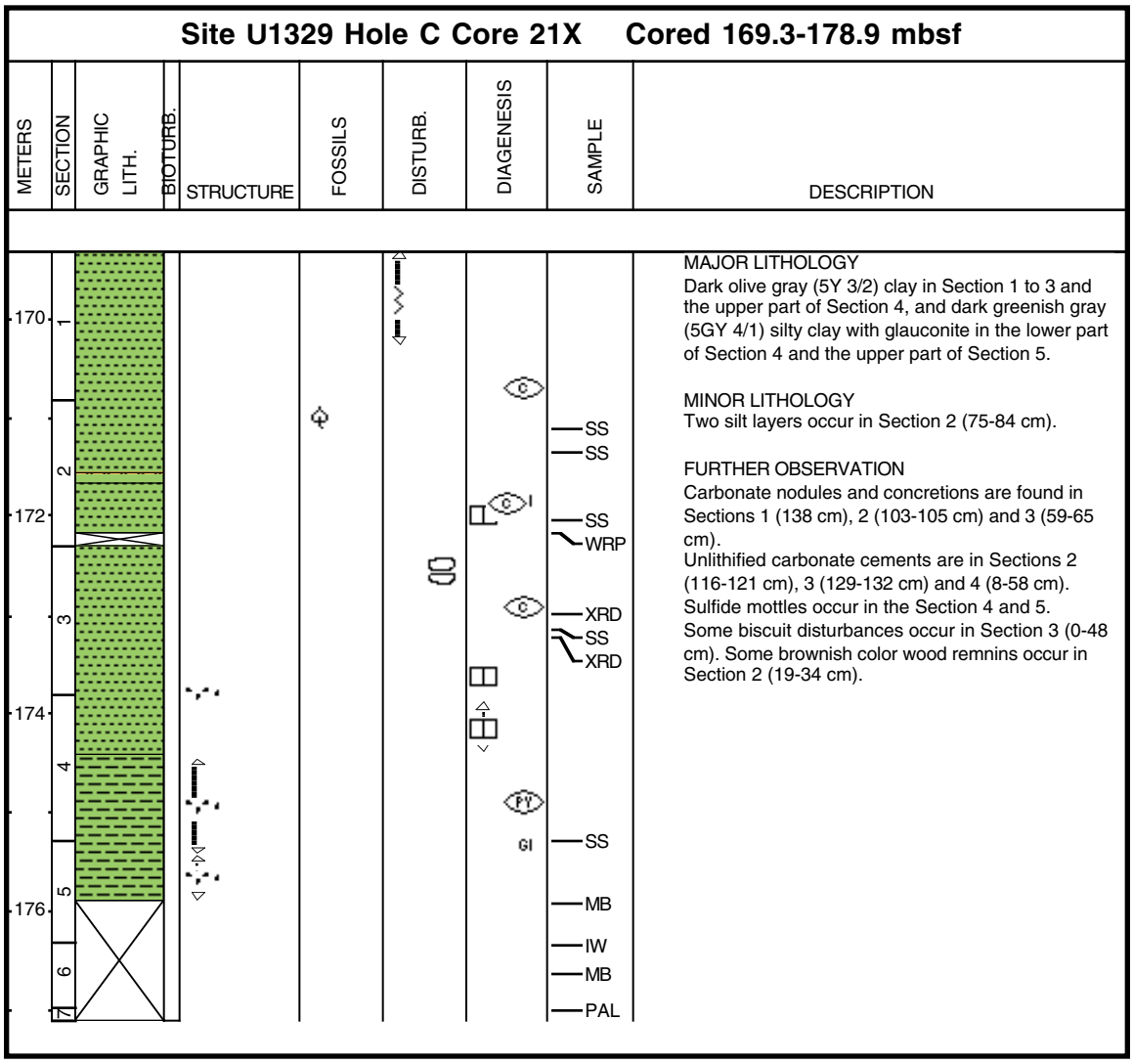
Core Photo


Site U1329 Hole C Core 19X Cored 149.9-159.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
152
154
156
158
1
2
3
4
5
6
7
SS
XRD
MB
IW
SS
XRD
SS
PAL
MAJOR LITHOLOGY
Dark olive gray (5Y 3/2) homogeneous silty clay
MINOR LITHOLOGY
Some thin (1 mm thick) ash lens are in Sections 3 (6-68 cm), 5 (95 cm) and 6 (5, 15, 23 cm).
FURTHER OBSERVATIONS
Lighter color unlithified carbonates up to 5 cm thick occur mainly in Section 1 (31, 65, 71 cm), Section 2 (3 cm), and Section 4 (46-51 cm and 144-145 cm). Moderate gas expansion in Section 1 and the upper part of Section 2.

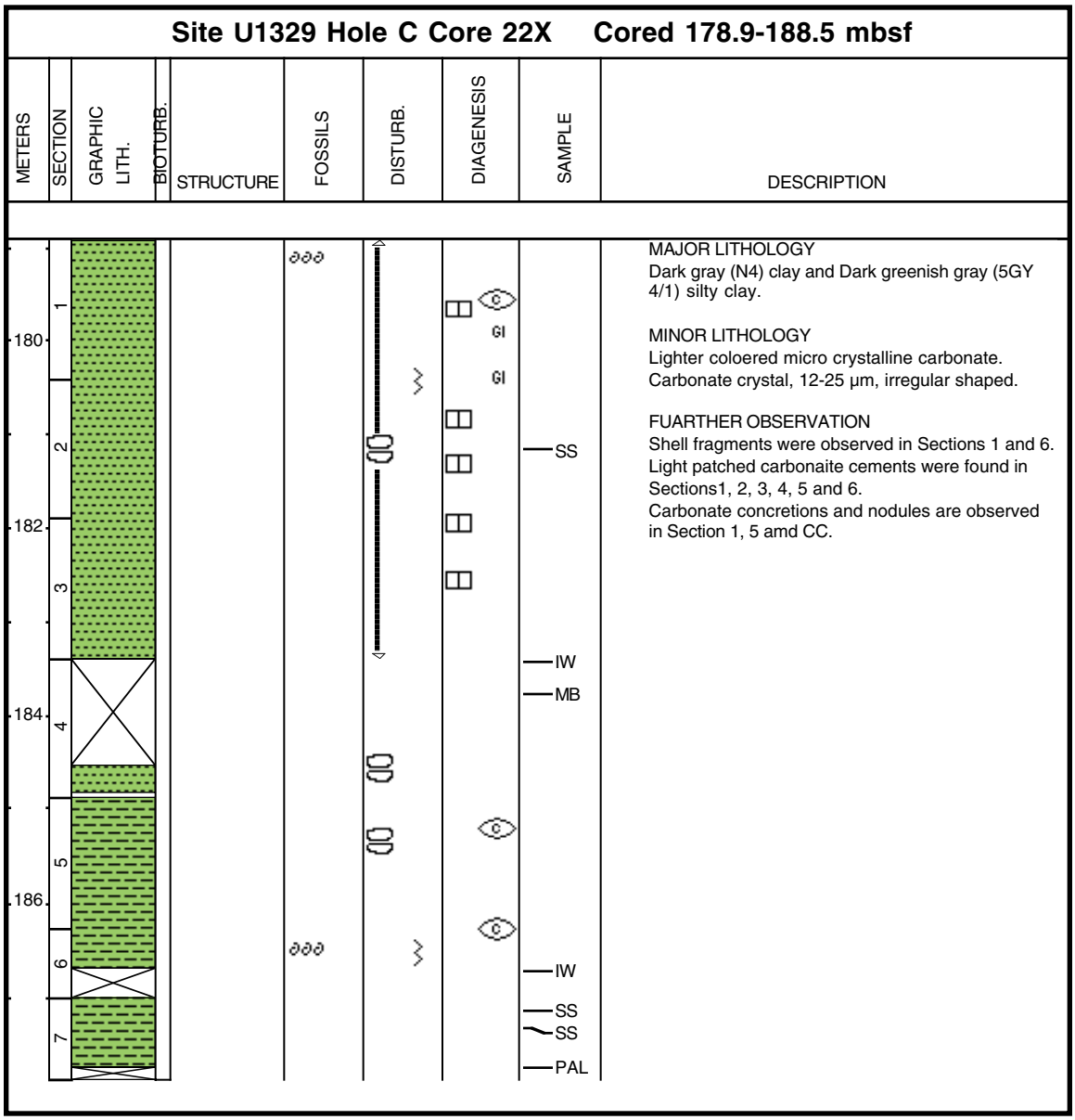
Core Photo


Site U1329 Hole C Core 20X Cored 159.6-169.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
160
162
164
166
1
2
3
4
5
6
SS
MB
IW
SS
XRD
SS
WRP
SS
PAL
MAJOR LITHOLOGY
Very dark olive gray (5Y 3/2) to dark olive gray (5Y 3/1) homogeneous silty clay.
MINOR LITHOLOGY
Lighter colored semi-lithified carbonate nodules (up to 5 cm thick) occur in Section 1 (107-111 and 129 cm), Section 2 (39 cm), Section 3 (32-36 cm), Section 5 (34-36 cm, 56 cm) and Section 6 (16, 22 cm). Some sand lens are present in Section 3 (24 cm).
FURTHER OBSERVATIONS
Moderate gas expansion is present throughout the core.

Core Photo

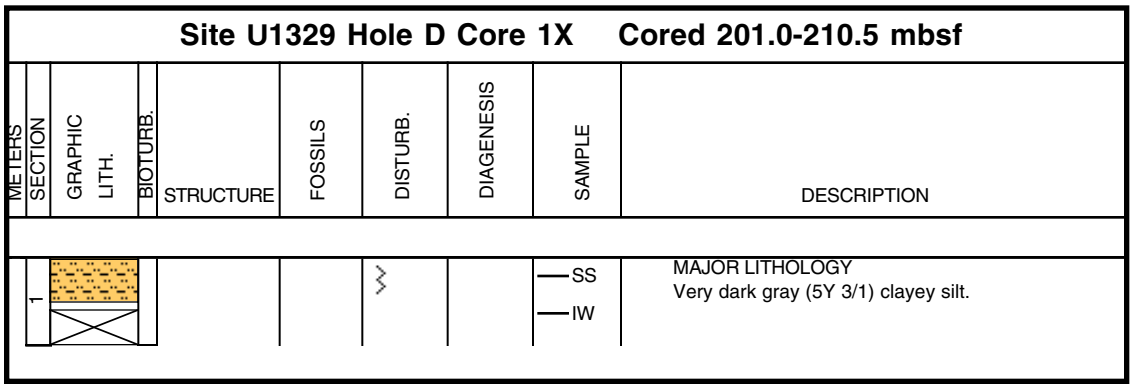

Site U1329 Hole C Core 21X Cored 169.3-178.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
170
172
174
176
1
2
3
4
5
6
7
SS
SS
SS
WRP
XRD
SS
XRD
SS
MB
IW
MB
PAL
MAJOR LITHOLOGY
Dark olive gray (5Y 3/2) clay in Section 1 to 3 and the upper part of Section 4, and dark greenish gray (5GY 4/1) silty clay with glauconite in the lower part of Section 4 and the upper part of Section 5.
MINOR LITHOLOGY
Two silt layers occur in Section 2 (75-84 cm).
FURTHER OBSERVATION
Carbonate nodules and concretions are found in Sections 1 (138 cm), 2 (103-105 cm) and 3 (59-65 cm).
Unlithified carbonate cements are in Sections 2 (116-121 cm), 3 (129-132 cm) and 4 (8-58 cm).
Sulfide mottles occur in the Section 4 and 5.
Some biscuit disturbances occur in Section 3 (0-48 cm). Some brownish color wood remnins occur in Section 2 (19-34 cm).

Core Photo

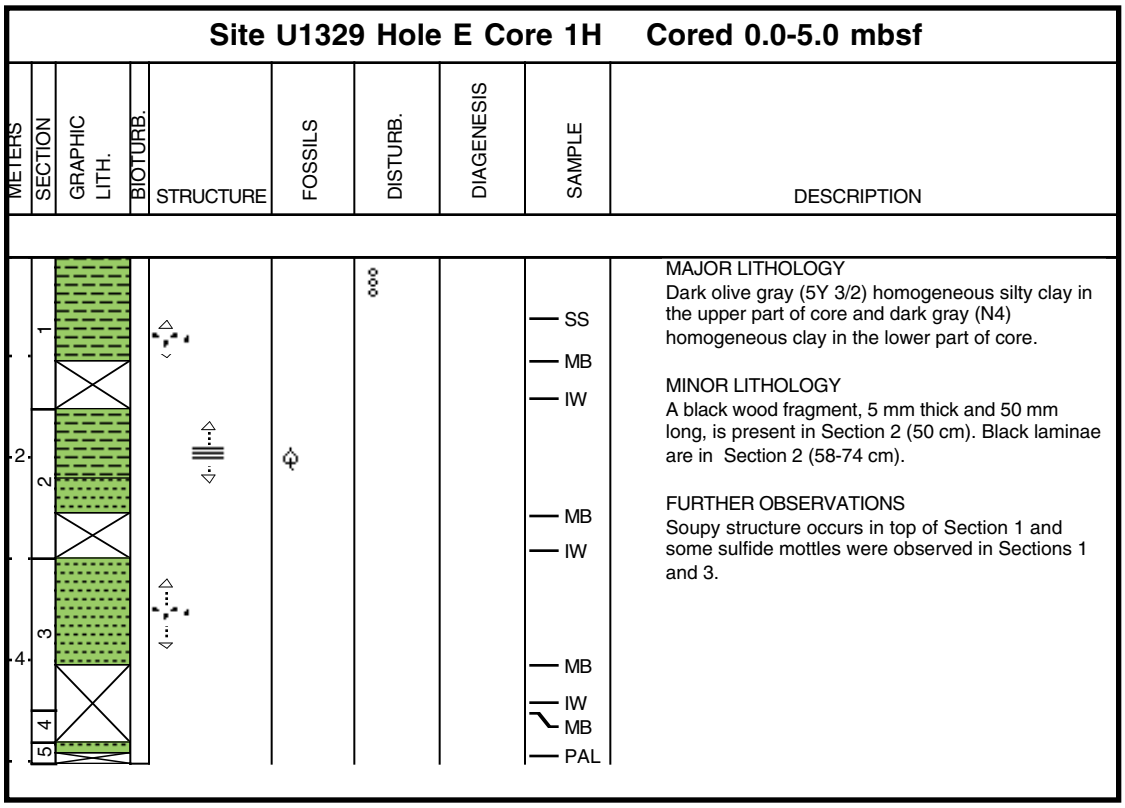


U1329C-23P No description available

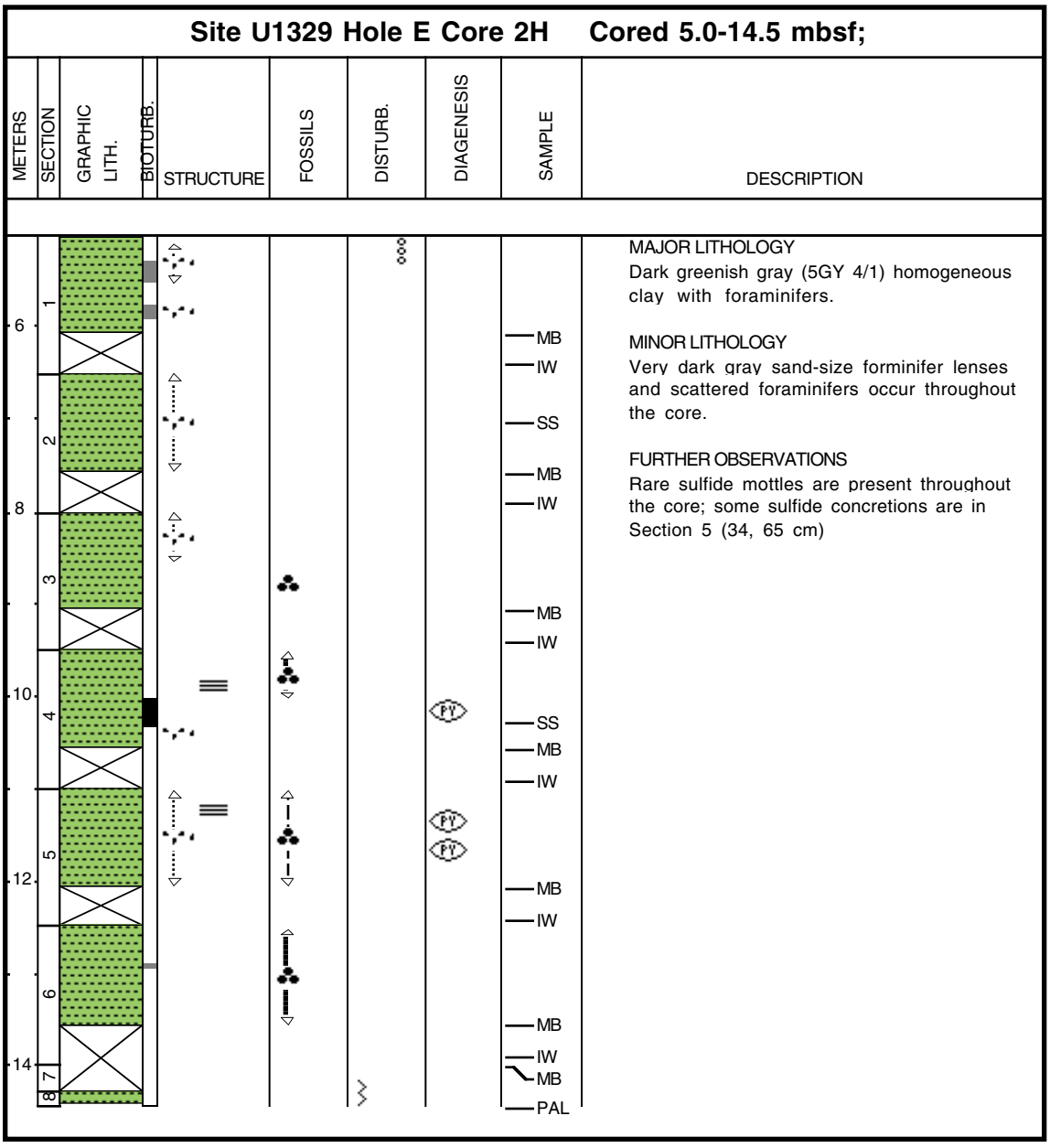
Core Photo


Site U1329 Hole D Core 1X Cored 201.0-210.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
SS
IW
MAJOR LITHOLOGY
Very dark gray (5Y 3/1) clayey silt.

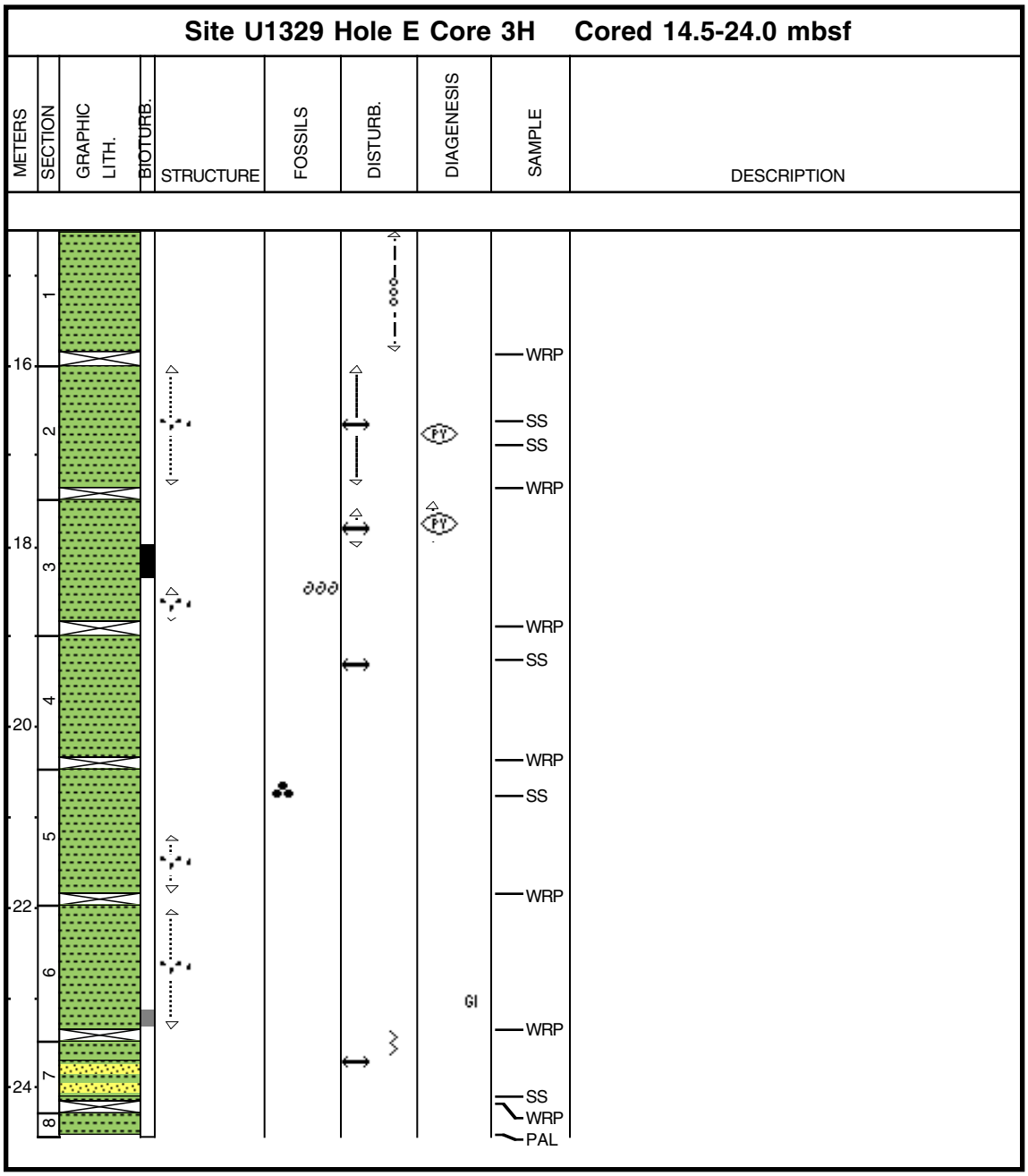
Core Photo


Site U1329 Hole E Core 1H Cored 0.0-5.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
SS
MB
IW
MB
IW
MB
IW
MB
PAL
MAJOR LITHOLOGY
Dark olive gray (5Y 3/2) homogeneous silty clay in the upper part of core and dark gray (N4) homogeneous clay in the lower part of core.
MINOR LITHOLOGY
A black wood fragment, 5 mm thick and 50 mm long, is present in Section 2 (50 cm). Black laminae are in Section 2 (58-74 cm).
FURTHER OBSERVATIONS
Soupy structure occurs in top of Section 1 and some sulfide mottles were observed in Sections 1 and 3.

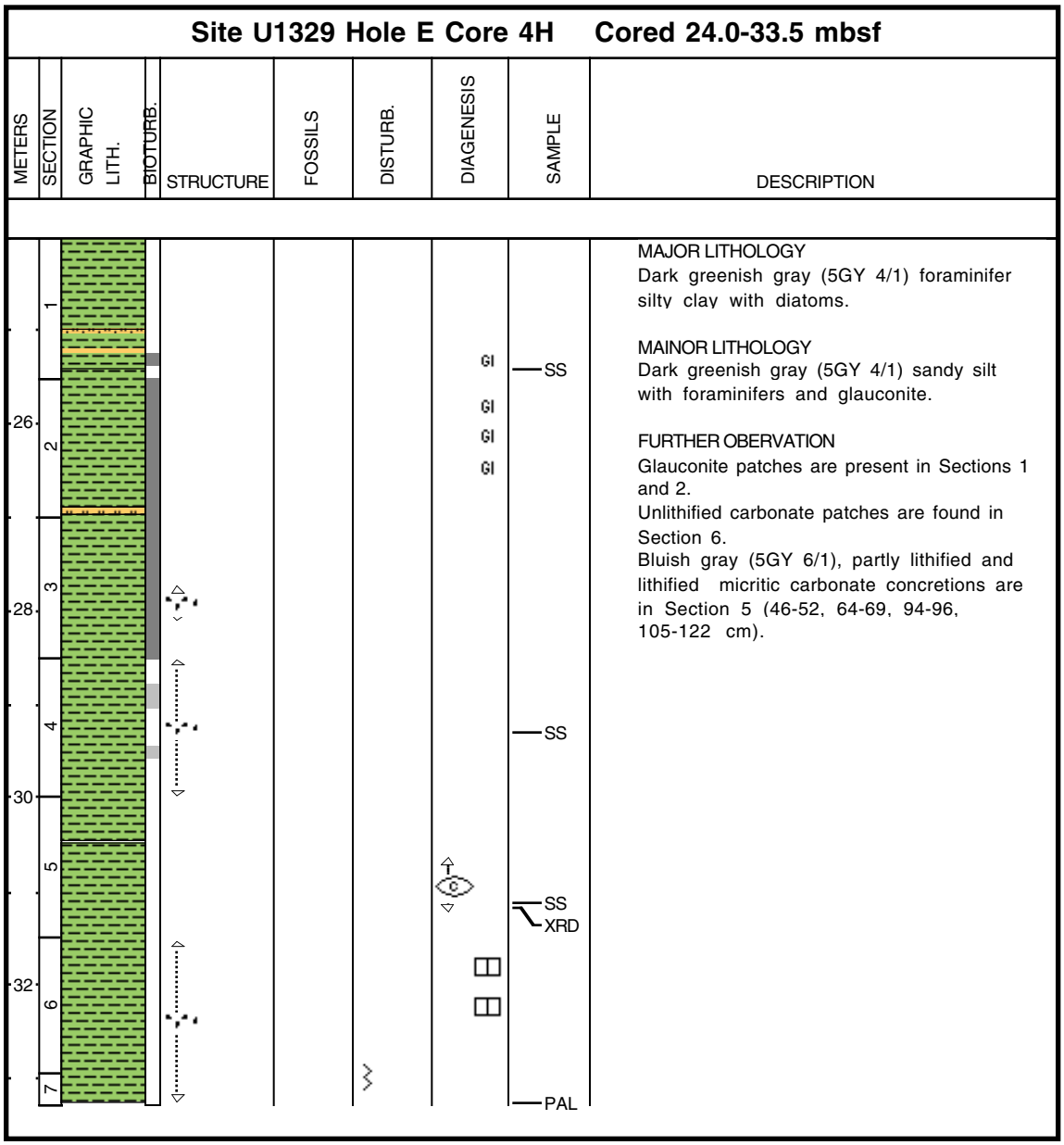
Core Photo


Site U1329 Hole E Core 2H Cored 5.0-14.5 mbsf;
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
6
8
10
12
14
1
2
3
4
5
6
7
8
MB
IW
SS
MB
IW
MB
IW
SS
MB
IW
MB
IW
MB
IW
MB
PAL
PY
PY
PY
MAJOR LITHOLOGY
Dark greenish gray (5GY 4/1) homogeneous clay with foraminifers.
MINOR LITHOLOGY
Very dark gray sand-size forminifer lenses and scattered foraminifers occur throughout the core.
FURTHER OBSERVATIONS
Rare sulfide mottles are present throughout the core; some sulfide concretions are in Section 5 (34, 65 cm)

Core Photo

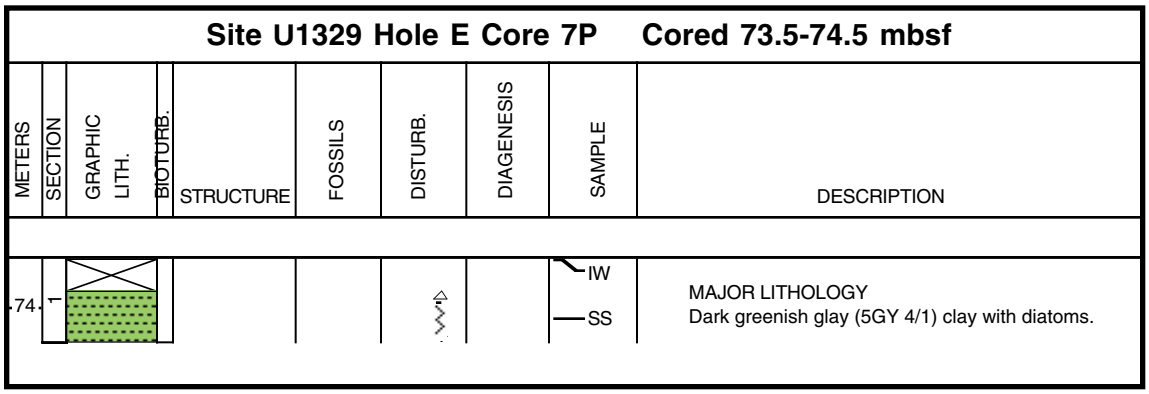

Site U1329 Hole E Core 3H Cored 14.5-24.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
16
18
20
22
24
1
2
3
4
5
6
7
8
WRP
SS
SS
WRP
WRP
SS
WRP
SS
WRP
WRP
SS
WRP
PAL
PY
PY
GI

Core Photo

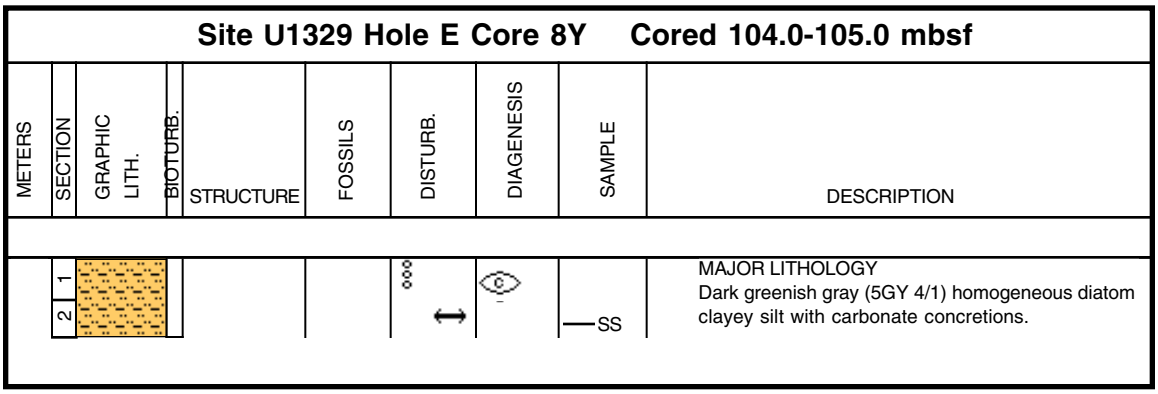


U1329E-5P No recovery
U1329E-6H No recovery

Core Photo

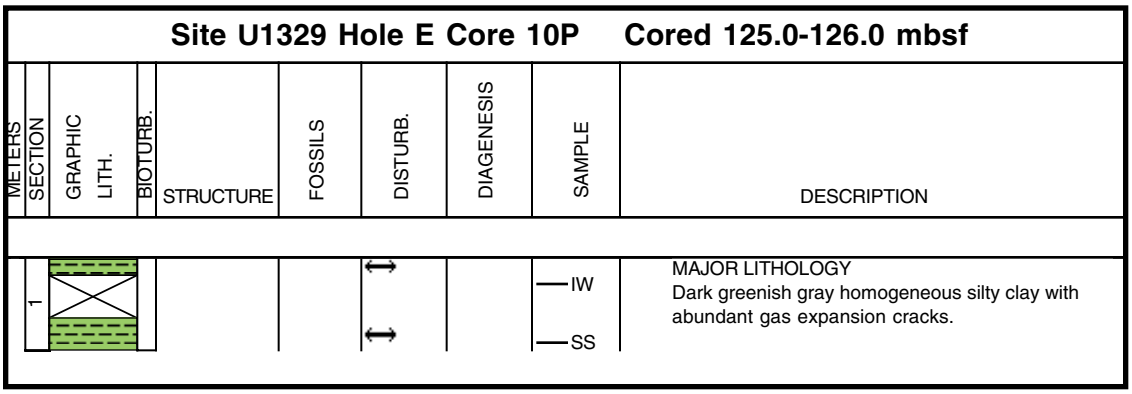

Site U1329 Hole E Core 7P Cored 73.5-74.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
74
1
IW
SS
MAJOR LITHOLOGY
Dark greenish glay (5GY 4/1) clay with diatoms.

Core Photo



U1329E-9E No description available

Core Photo


Site U1329 Hole E Core 10P Cored 125.0-126.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
DIAGENESIS
SAMPLE
DESCRIPTION
1
IW
SS
MAJOR LITHOLOGY
Dark greenish gray homogeneous silty clay with abundant gas expansion cracks.

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	34	1.84	D	1	21	78	4	1	1						8	1			3		75	1			4		1	1	
1	H	4	2	4.52	M	5	80	15	60	3		1	4	1		1	4	1			2		15		2		3		2	1	
1	H	4	50	5	M	5	55	40	10	5		1	1			1	22		5	1	2		40	5			3		4		
1	H	4	84	5.34	M	7	50	43	22	8	2		1				9	4				1	43				6		4		
1	H	5	3	6.03	M	5	25	70	4	3	1					1	8	2			2		69	2			3		4	1	
1	H	5	74	6.74	M	45	50	5		10						15	30	10	1				5				20		9		
1	H	5	133	7.33	D	1	23	76	3	1			1				8	2	2		1		75	2			3		2		
1	H	6	147	8.97	M	3	77	20						1			40	30	18		2		0	2			7				
Hole C																														
1	H	2	57	2.07	D	0	20	80	2	1	1				1		6	4			1		78	2			2		2		
1	H	5	18	6.18	M	14	16	60	5	20	3						5	1					60	2			2		2		
2	H	2	15	9.75	M				2								2	2									94				crushed sulfide concretion
2	H	2	80	10.4	D	0	40	60	15			5	1		1	1	5	1	2				65				2		2		
2	H	5	34	14.44	D	0	25	75	1	1						2	12	2	2				73				4		2	1	
2	H	6	79	16.39	D	0	60	40	1	1							30	14			4		40		2	1	4		2	1	
2	H	CC	25	18.19	D	10	70	20	3				1				30	20	2		5		20	2			5		10	2	
3	H	1	92	18.52	D	3	37	60	5			1	2		1		18	8					60				3		2		
3	H	2	114	20.24	D	5	20	75	2	2	1						5	1	6		1		73	3			4		2		
4	H	1	66	27.76	M	25	60	15	1	1				1		1	30	15	4			15	15				6		11		
4	H	2	57	29.17	D	3	30	72		2							15	2					70	5			3	2	1		
4	H	3	140	31.5	M	5	15	80			1						3	1				10	80				3		2		
4	H	6	20	34.8	D	2	22	76	1	1	4		1				7	3					76	2			3	1	1		
4	H	7	20	36.3	D	1	7	92	3	1	3	1					2						85	1			3		1		
5	H	1	125	37.85	D	1	5	94	2				1										94	1			2				
5	H	2	10	38.2	M	1	63	36	45			2	3	1			1						36	5			5		1	1	diatom ooze
5	H	3	122	40.82	M	94	3	3									25	26		10	3		3				8		25		sand
5	H	6	17	44.27	M	1	25	74	2		5						18				1		69	2			2		1		silty clay
5	H	6	60	44.7	M	0	3	97															97	3							carbonate cement
6	H	1	35	46.45	D	3	74	23	49	1	1	2	4	2		6	5				1		23	1			3		1	1	diatom ooze
6	H	3	78	49.88	D	0	25	75	2				1				12	1			2		75				2	2	3		
7	P	1	15	55.75	D	0	78	22	30	2	1	2	1	1	1		20	10			2		21	2				5		2	
8	H	1	60	58.2	D	1	40	59	20			2		1	1		6	2	1	1			55	5			5			1	
8	H	3	84	61.44	D	6	64	30	40	6	2	2	2		1		8				3		28	2				4	1	1	
8	H	6	40	65.5	D	0	25	75	8	3	1	1			1		7	1					75					3			
8	H	6	109	66.19	M	80	16	4									45	24	13		3	5					2		8		sand with altered glass ?
9	H	2	86	69.46	D	1	21	78	9	1	2	1			1		3	1	1				76	2			1		1	1	
9	H	6	86	75.46	D	2	58	40	42	3	1	2	2	1	1		3	1			1		39	2			2				
9	H	CC	13	76.9	M	1	84	15	76	1	1	1	1		1		1				1		15	1				1			
10	H	2	80	78.9	D	0	25	75	16		2	2					3						74	1					1	1	
10	H	3	93	80.53	M	50	40	10	15	60							10	2					10				2			1	
10	H	3	104	80.64	M																			100							shell fragment
10	H	3	118.5	80.79	M		3	97	2	1															97						semi-lithified carbonate cement ?
10	H	4	134	82.44	M	0	95	5	72				15		2		5	1					3	2							diatom ooze with spicules
11	H	1	20	86.3	D	0	40	60	4								10	9					60	10			2		5		
11	H	2	54	88.14	D	2	58	40	35	2	1		1	2			15						40				4				
11	H	6	130	94.9	D	2	58	40	27			1	1				21	1				3	40	2			4				

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)																														
12	H	1	50	96.1	D	0	65	35	60			2				2	5						30						1		
12	H	4	115	101.23	M	40	26	34	12	42	1	1	2		1		4	1					33	1			2				foram ooze
12	H	6	17	103.25	D	1	30	69	14				1				15						65				2	1	2		
12	H	7	10	104.68	M	15	77	8	2	1			1				66	10			2						5		5	8	
13	H	1	50	105.6	D	5	15	80	10	3	20					2	4						60							1	
13	H	4	10	109.7	M	13	50	37	10			2					6				1	2	43	1			3		1	31	ROCK FRAGMENTS ARE DOUBTABLE
13	H	7	60	114.7	D	2	20	78	10	1	3	2					6	1			1		74	1			1				
14	P	1	35	114.95	D	0	20	80	15			1					4	1					75					3	1		
15	H	1	90	117.5	D	2	73	25	50			2					10	1					25	3			4		3	2	
15	H	7	53	126.13	D	1	74	25	50			1	1	1			8	1					24	1			10		2	1	
16	H	1	30	126.4	D	2	30	68	10		2				1		10	1			1		68	3				1	2	1	
16	H	6	6	133.66	D	0	20	80	1						1		13	1			1		79	3			1				
16	H	6	40	134	D	1	64	35	54					1			6	1					35				2		1		
16	H	7	27	135.37	D	5	25	70	6			1			1		9	4			1	5	69	1			2			1	
17	H	1	69	136.29	D	0	25	75	2			1			1		7	2	3		1		75	3			3		2		
17	H	1	92	136.52	M										70												30				crushed wood fragment
17	H	2	2	137.12	M	95	5	0								10	50	15			5	5							15		sand
17	H	2	112	138.22	M	95	5	0									40	18			2	5					5		25	5	
18	X	1	85	141.05	D	0	20	80	1						1		7	3		2			80				5		1		
18	X	2	9	141.79	M	0	5	95	1								1		1				5	90			1		1		carbonate concretion
18	X	2	69	142.39	M	0	14	86	5						1		3						8	80			3				carbonate concretion
18	X	2	126	142.96	M	0	90	10									2	1				97									
18	X	3	2	143.22	M	100											3	2	94										1		WHITE ASH
18	X	3	80	144	M	0	7	93									3	2	1		1		90	1			2				
19	X	1	68	150.58	M	0	9	91	2			1					3							91			3				carbonate cement (siderite)
19	X	3	80	153.7	D	0	40	60	9				2		2		15	5	1				60	3			2		1		
19	X	4	48	154.88	M	0	6	94					1				1				1			94			2		1		
20	X	1	77	160.37	D	5	30	65	10			1	2		2		6	2	2			2	66	3			4				
20	X	3	35	162.95	M	5	80	15	5			1	2				3						14	70			5				carbonate envelop of nodule (Mg Cc)
20	X	5	36	165.46	M	2	83	15	5				1	1			2				1		14	75			1				
21	X	2	27	171.07	M	7	25	68									18	5	1				68	1			3		2	2	
21	X	2	53	171.33	M	2	21	77									8	2	5				77				3		5		
21	X	2	120	172	M	0	0	100															100								AUTHIGENIC
21	X	3	80	173.1	D	1	20	79	2				2				10	2	1			1	79				3				
21	X	4	146	175.26	D	20	25	55									16	2	2			20	55						5		glauconitic
22	X	2	75	181.15	D	1	10	89									4	1				1	89				2		2	1	
22	X	CC	11	187.14	M	2	78	20									10						20	69					1		AUTHIGENIC CARBONITE
22	X	CC	28	187.31	D	1	25	74							1		16						74	2			2		5		
Hole D																															
1	X	1	17	201.17	D	2	73	25									53						25				2		20		
Hole E																															
1	H	1	60	0.6	D	5	25	60	3	5			1		2		7	2					69	3			3		3	2	
1	H	2	50	2	M	60	20	10							60												40				pyritized wood fragment
1	H	3	60	3.6	D	1	19	80	1	1					2		7	2					80	2			3		2		
2	H	2	52	7.02	D	0	20	80		3	1						10	2					78	2			2		2		
2	H	4	66	10.16	M	0	95	5	2								2						1	2				93			

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 E (continued)																														
2	H	4	76	10.26	M	0	28	72	2	2							6	1					72	1			15		1		
2	H	5	15	11.15	D	8	43	49	9	12			1		1		12	3	1		2		51	3			3		2		
3	H	2	70	16.7	D	0	8	92							1		5						92	1			1				
3	H	2	86	16.86	M	30	15	55		27	1	1			1		8	1			1		55	1			1		1	2	
3	H	4	25	19.25	D	3	22	75		10							5		1		1		75	3			3		2		
3	H	7	60	24.1	M	76	24	0		13							62	5							2			8	10		
4	H	1	138	25.38	M	25	60	15		2							30	10				12	15				6		20	5	
4	H	4	77	29.27	D	3	25	72	3	15	10			1				2					64				5				
4	H	5	110	31.1	M	0	0	100																100							micritic carbonate
7	P	1	60	74.1	D	0	16	84	10	1				1			3						84							1	
8	Y	CC	22	104.6	D	3	53	44	35	5					1		4	2	3				44	1			3		2		
10	P	1	82	125.8	D	1	28	71	2	1	1		2				8	4	2		2	2	70	2			2		2		

Sample refernce						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																														
21	X	3	61	63	M	2	18	80								4							80			10			6	100	
23	P	1	1	3	M	30	5	65								30							65						5	100	
23	P	1	24	27	M	5	20	75	8							5					5		72			3			7	100	
23	P	1	30	34	M	0	15	85	5							2							83			8			2	100	
23	P	1	60	62	M	0	15	85	3							3							84			10				100	
23	P	1	84	85	M	0	25	75	10							2					3		75			10				100	
23	P	1	89	90	M	0	20	80	5							2					3		80			10				100	