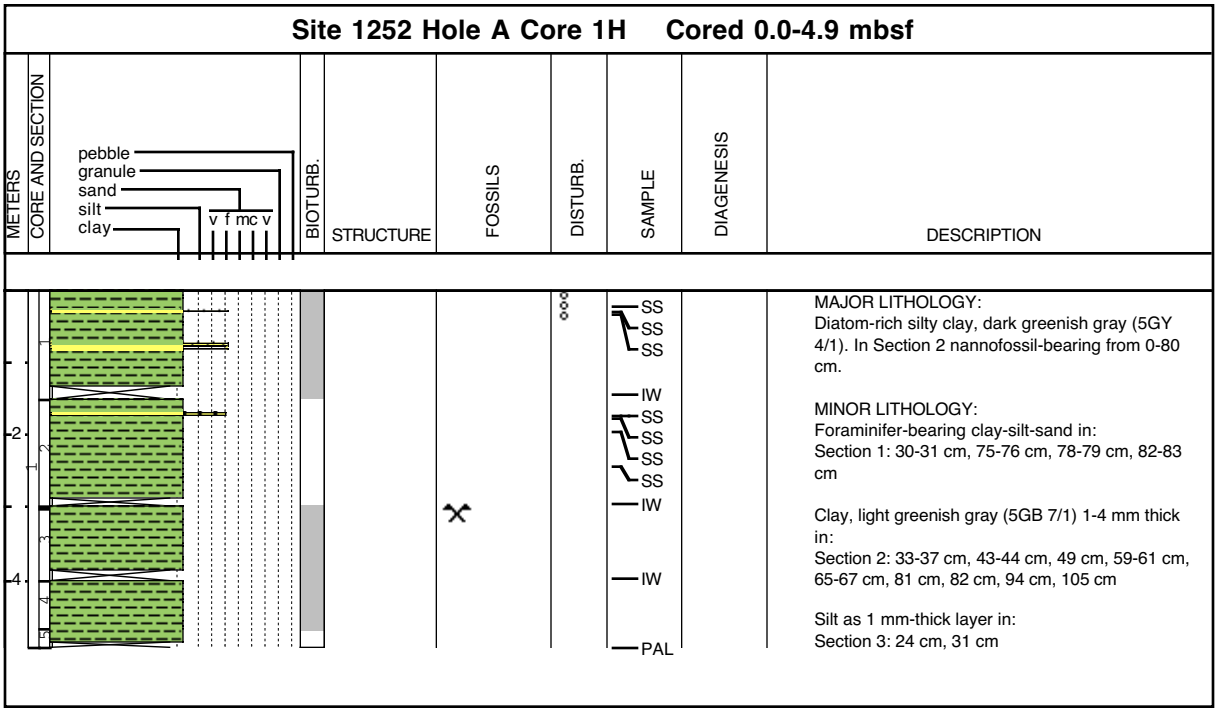
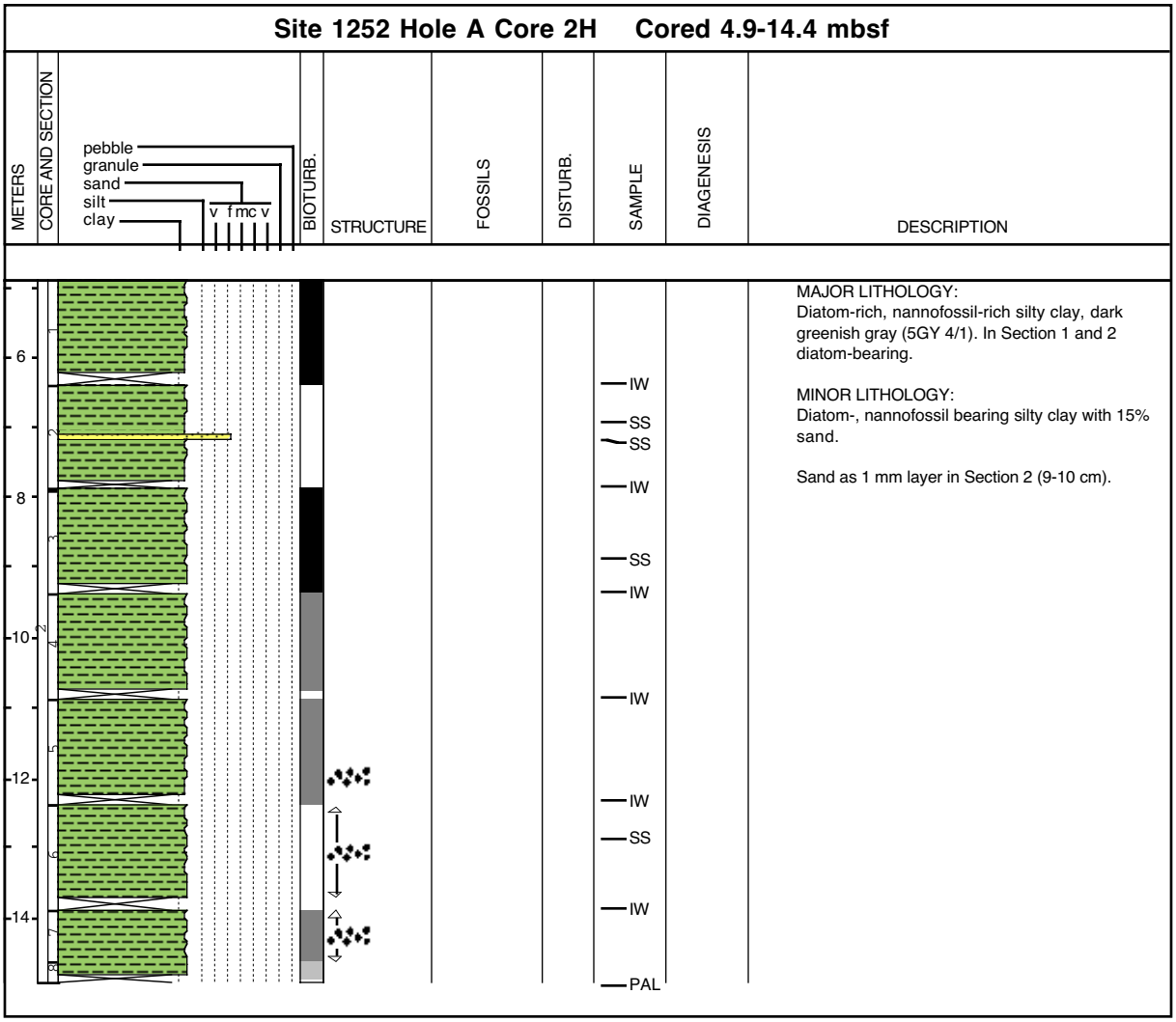
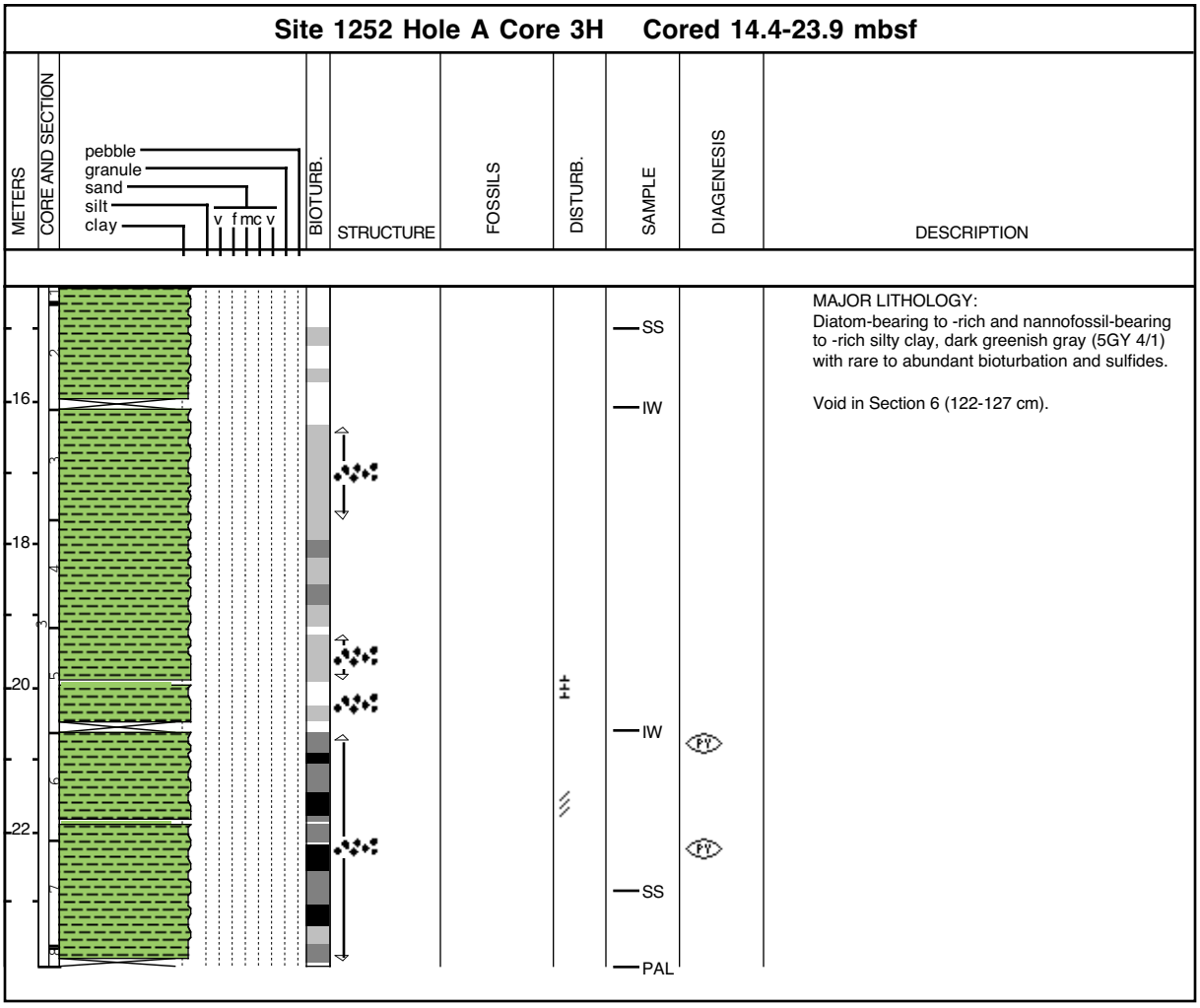
Core Photo


Site 1252 Hole A Core 1H Cored 0.0-4.9 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
SS
SS
SS
IW
SS
SS
SS
SS
IW
IW
PAL
MAJOR LITHOLOGY:
Diatom-rich silty clay, dark greenish gray (5GY 4/1). In Section 2 nannofossil-bearing from 0-80 cm.
MINOR LITHOLOGY:
Foraminifer-bearing clay-silt-sand in:
Section 1: 30-31 cm, 75-76 cm, 78-79 cm, 82-83 cm
Clay, light greenish gray (5GB 7/1) 1-4 mm thick in:
Section 2: 33-37 cm, 43-44 cm, 49 cm, 59-61 cm, 65-67 cm, 81 cm, 82 cm, 94 cm, 105 cm
Silt as 1 mm-thick layer in:
Section 3: 24 cm, 31 cm

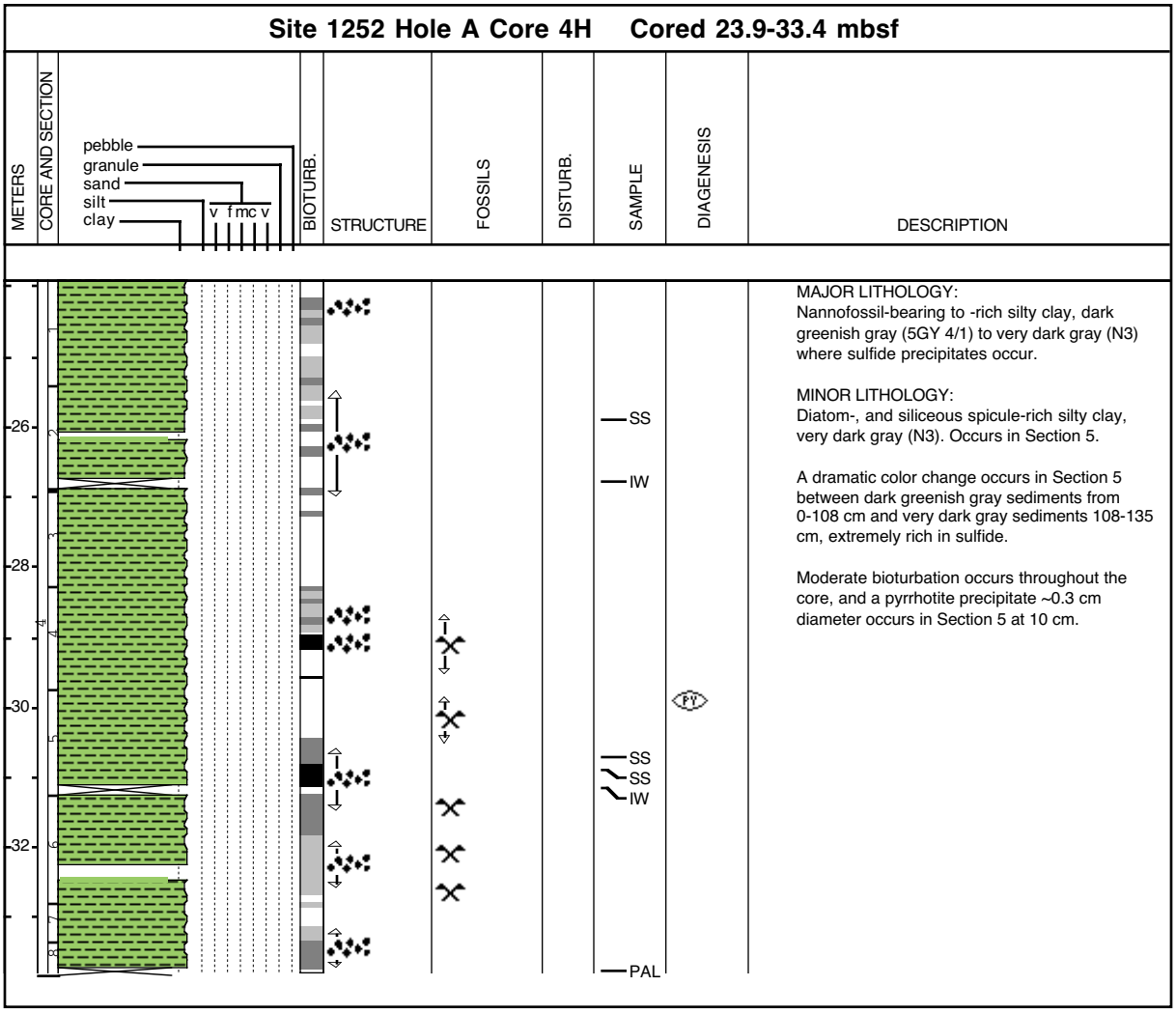
Core Photo


Site 1252 Hole A Core 2H Cored 4.9-14.4 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
6
8
10
12
14
IW
SS
SS
IW
SS
IW
IW
IW
SS
IW
PAL
MAJOR LITHOLOGY:
Diatom-rich, nannofossil-rich silty clay, dark greenish gray (5GY 4/1). In Section 1 and 2 diatom-bearing.
MINOR LITHOLOGY:
Diatom-, nannofossil bearing silty clay with 15% sand.
Sand as 1 mm layer in Section 2 (9-10 cm).

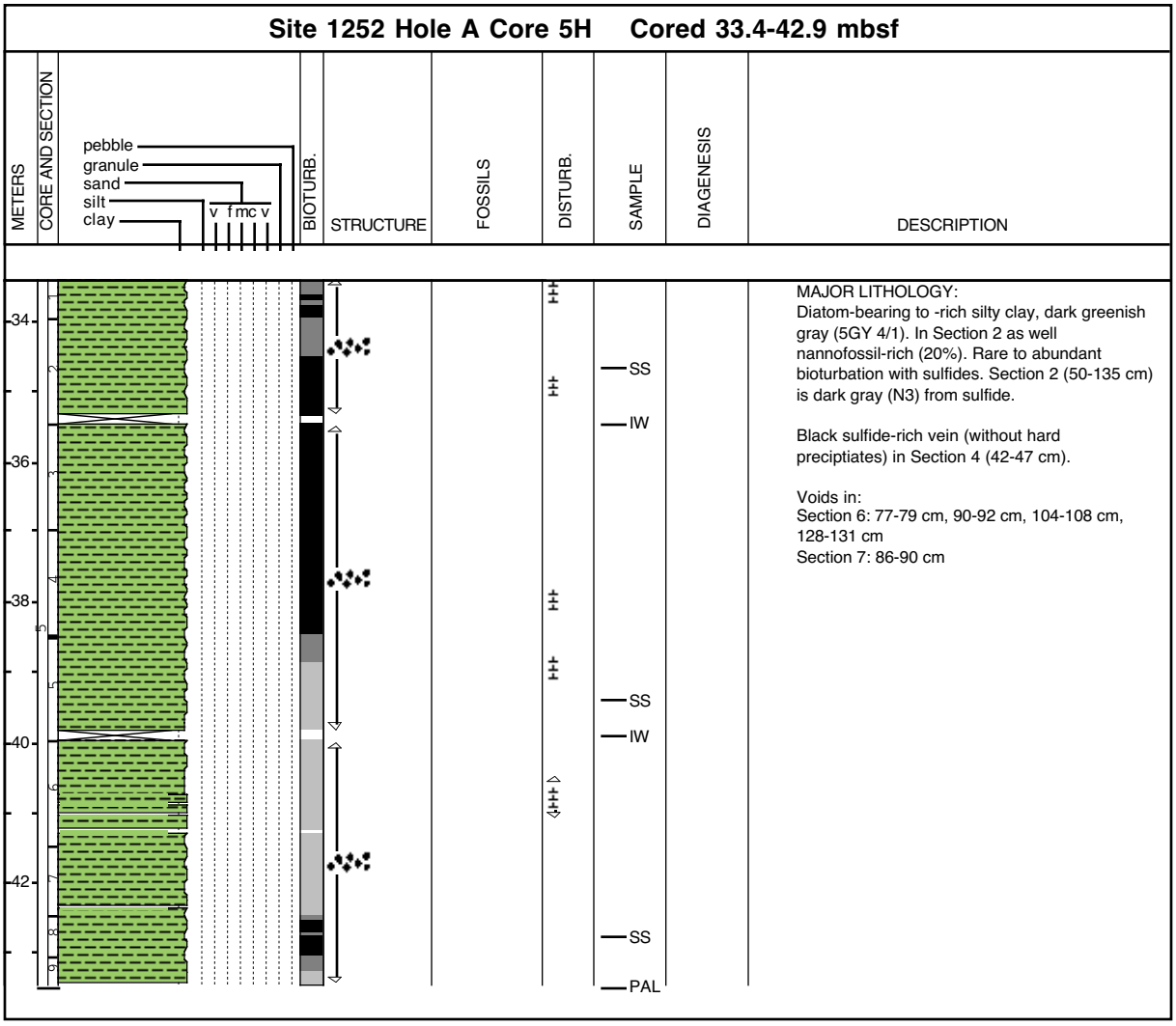
Core Photo


Site 1252 Hole A Core 3H Cored 14.4-23.9 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f m c v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
16
18
20
22
SS
IW
IW
SS
PAL
PY
PY
MAJOR LITHOLOGY:
Diatom-bearing to -rich and nannofossil-bearing to -rich silty clay, dark greenish gray (5GY 4/1) with rare to abundant bioturbation and sulfides.
Void in Section 6 (122-127 cm).

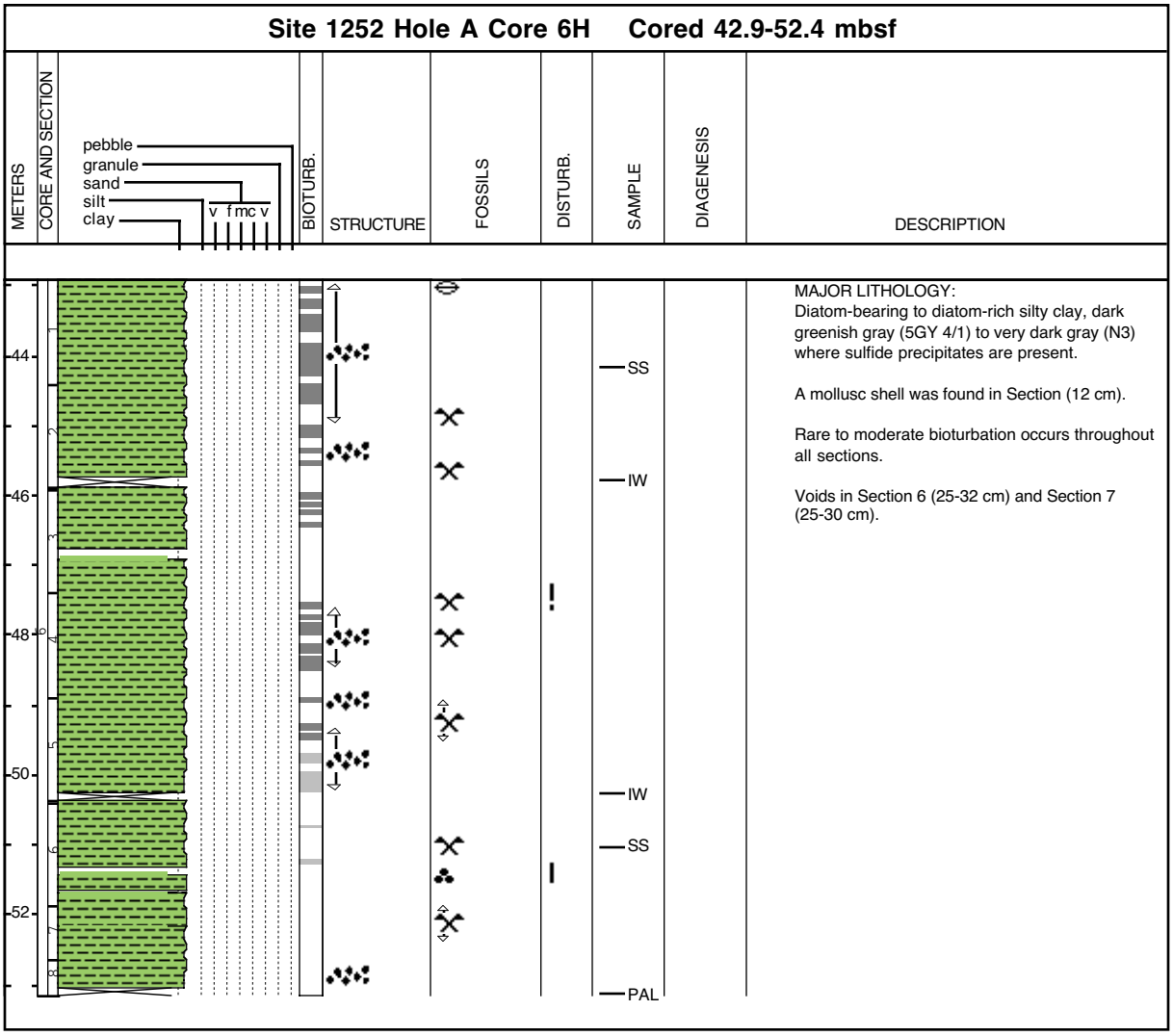
Core Photo


Site 1252 Hole A Core 4H Cored 23.9-33.4 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
26
28
30
32
SS
IW
SS
SS
IW
PAL
PY
MAJOR LITHOLOGY:
Nannofossil-bearing to -rich silty clay, dark greenish gray (5GY 4/1) to very dark gray (N3) where sulfide precipitates occur.
MINOR LITHOLOGY:
Diatom-, and siliceous spicule-rich silty clay, very dark gray (N3). Occurs in Section 5.
A dramatic color change occurs in Section 5 between dark greenish gray sediments from 0-108 cm and very dark gray sediments 108-135 cm, extremely rich in sulfide.
Moderate bioturbation occurs throughout the core, and a pyrrhotite precipitate ~0.3 cm diameter occurs in Section 5 at 10 cm.

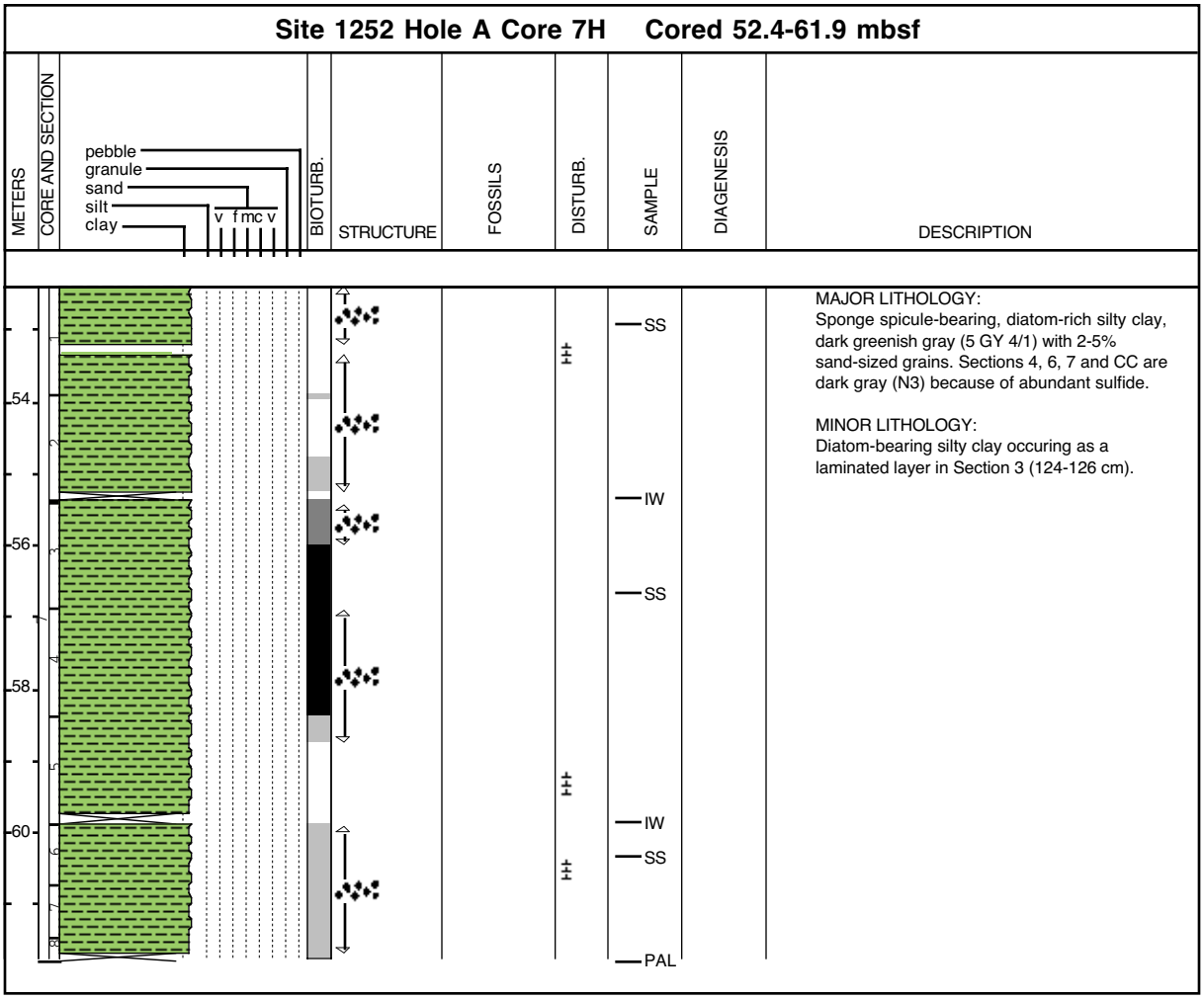
Core Photo


Site 1252 Hole A Core 5H Cored 33.4-42.9 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
34
36
38
40
42
SS
IW
SS
IW
SS
PAL
MAJOR LITHOLOGY:
Diatom-bearing to -rich silty clay, dark greenish gray (5GY 4/1). In Section 2 as well nannofossil-rich (20%). Rare to abundant bioturbation with sulfides. Section 2 (50-135 cm) is dark gray (N3) from sulfide.
Black sulfide-rich vein (without hard preciptiates) in Section 4 (42-47 cm).
Voids in:
Section 6: 77-79 cm, 90-92 cm, 104-108 cm, 128-131 cm
Section 7: 86-90 cm

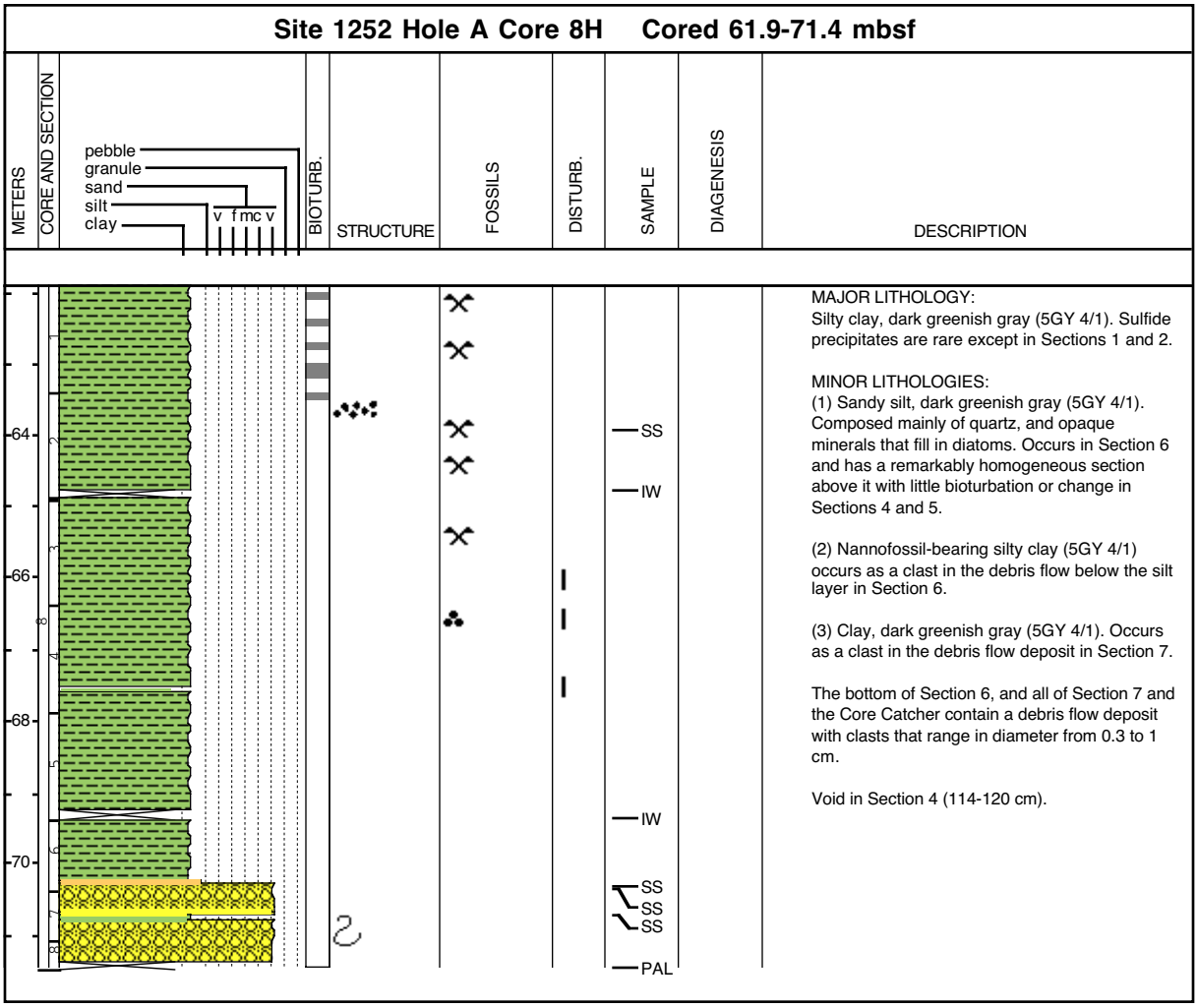
Core Photo


Site 1252 Hole A Core 6H Cored 42.9-52.4 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
44
46
48
50
52
SS
IW
IW
SS
PAL
MAJOR LITHOLOGY:
Diatom-bearing to diatom-rich silty clay, dark greenish gray (5GY 4/1) to very dark gray (N3) where sulfide precipitates are present.
A mollusc shell was found in Section (12 cm).
Rare to moderate bioturbation occurs throughout all sections.
Voids in Section 6 (25-32 cm) and Section 7 (25-30 cm).

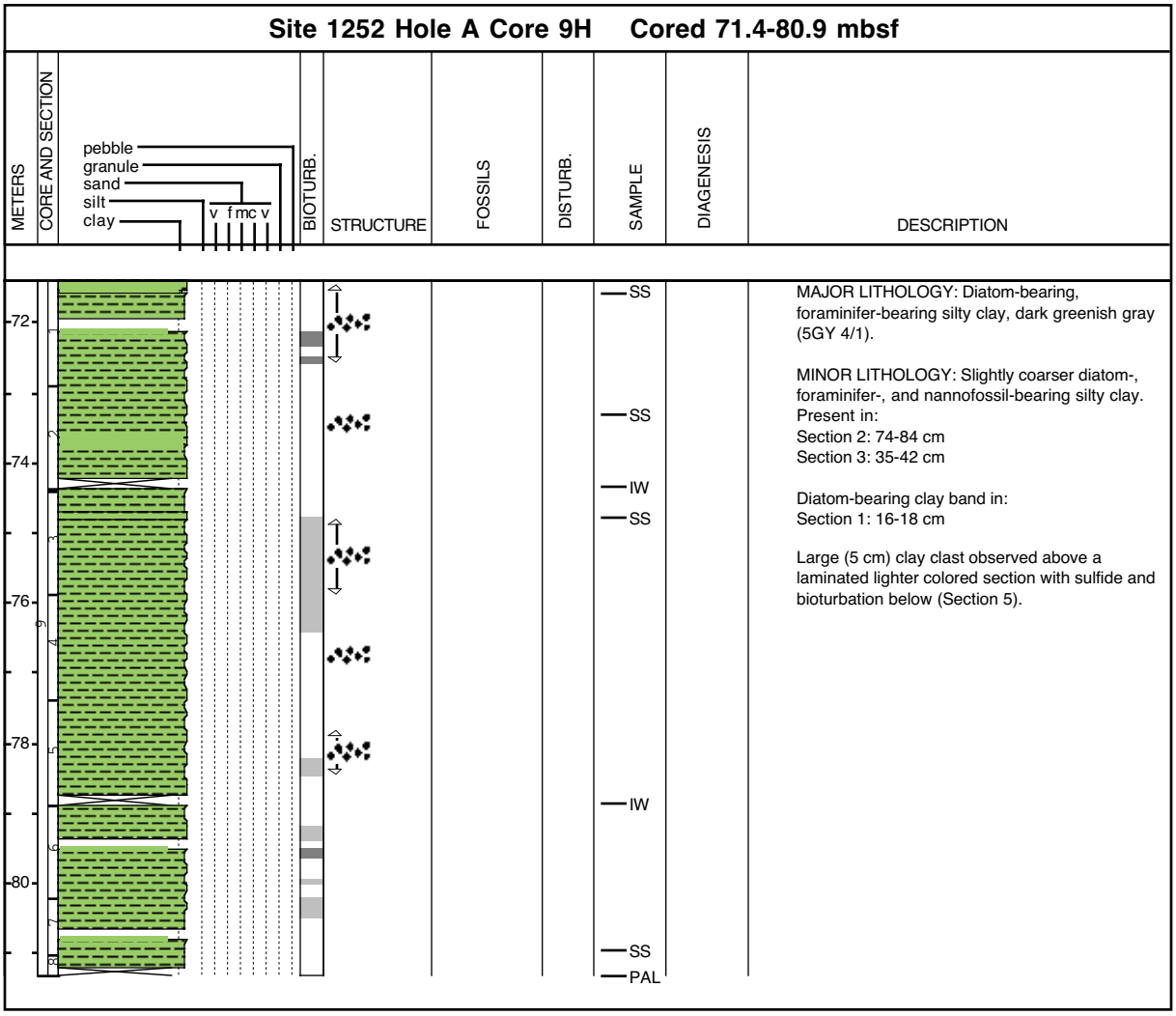
Core Photo


Site 1252 Hole A Core 7H Cored 52.4-61.9 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
54
56
58
60
SS
IW
SS
IW
SS
PAL
MAJOR LITHOLOGY:
Sponge spicule-bearing, diatom-rich silty clay, dark greenish gray (5 GY 4/1) with 2-5% sand-sized grains. Sections 4, 6, 7 and CC are dark gray (N3) because of abundant sulfide.
MINOR LITHOLOGY:
Diatom-bearing silty clay occuring as a laminated layer in Section 3 (124-126 cm).

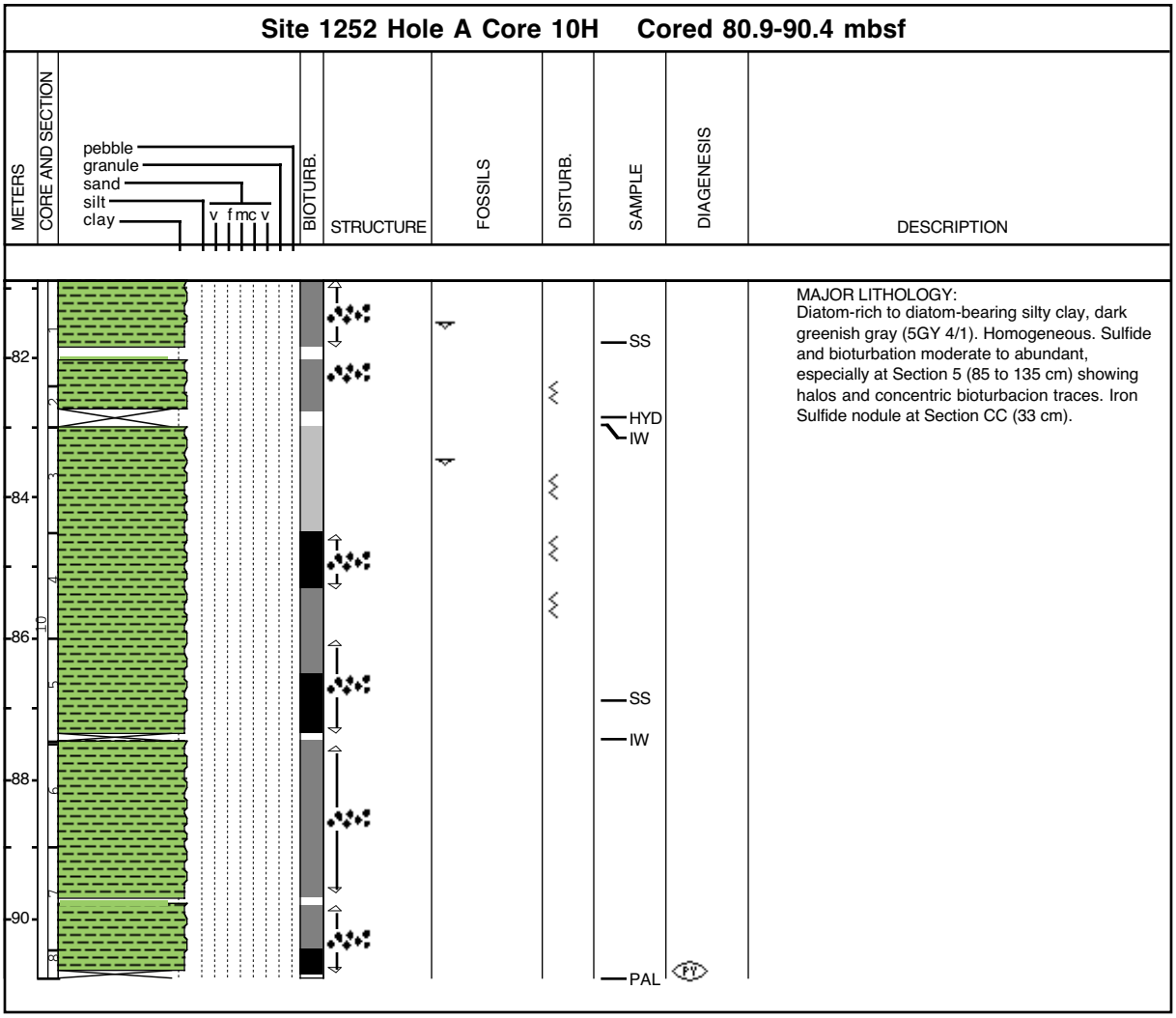
Core Photo


Site 1252 Hole A Core 8H Cored 61.9-71.4 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
64
66
68
70
SS
IW
IW
SS
SS
SS
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1). Sulfide precipitates are rare except in Sections 1 and 2.
MINOR LITHOLOGIES:
(1) Sandy silt, dark greenish gray (5GY 4/1). Composed mainly of quartz, and opaque minerals that fill in diatoms. Occurs in Section 6 and has a remarkably homogeneous section above it with little bioturbation or change in Sections 4 and 5.
(2) Nannofossil-bearing silty clay (5GY 4/1) occurs as a clast in the debris flow below the silt layer in Section 6.
(3) Clay, dark greenish gray (5GY 4/1). Occurs as a clast in the debris flow deposit in Section 7.
The bottom of Section 6, and all of Section 7 and the Core Catcher contain a debris flow deposit with clasts that range in diameter from 0.3 to 1 cm.
Void in Section 4 (114-120 cm).

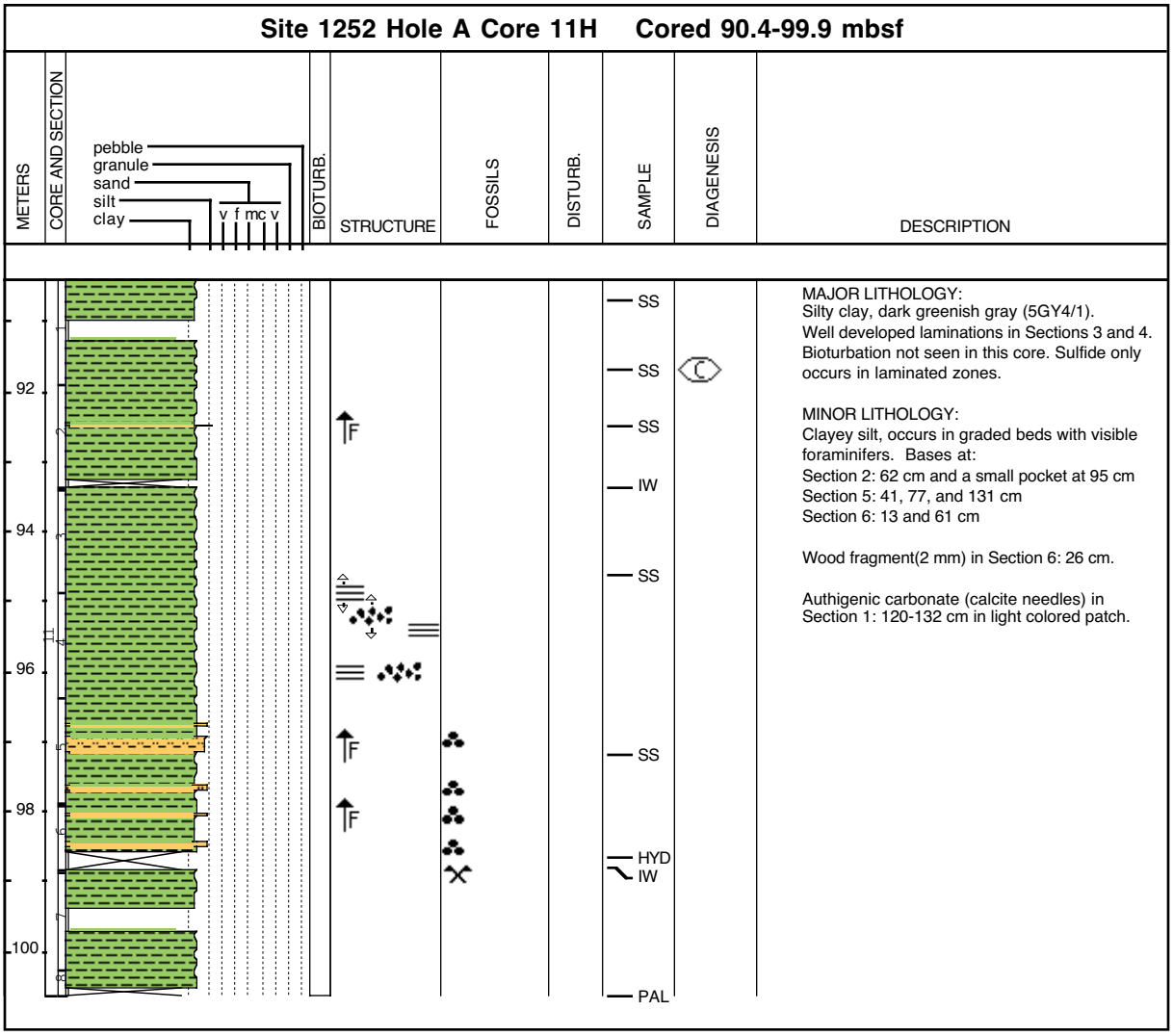
Core Photo


Site 1252 Hole A Core 9H Cored 71.4-80.9 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
72
74
76
78
80
SS
SS
IW
SS
IW
SS
PAL
MAJOR LITHOLOGY: Diatom-bearing, foraminifer-bearing silty clay, dark greenish gray (5GY 4/1).
MINOR LITHOLOGY: Slightly coarser diatom-, foraminifer-, and nannofossil-bearing silty clay.
Present in:
Section 2: 74-84 cm
Section 3: 35-42 cm
Diatom-bearing clay band in:
Section 1: 16-18 cm
Large (5 cm) clay clast observed above a laminated lighter colored section with sulfide and bioturbation below (Section 5).

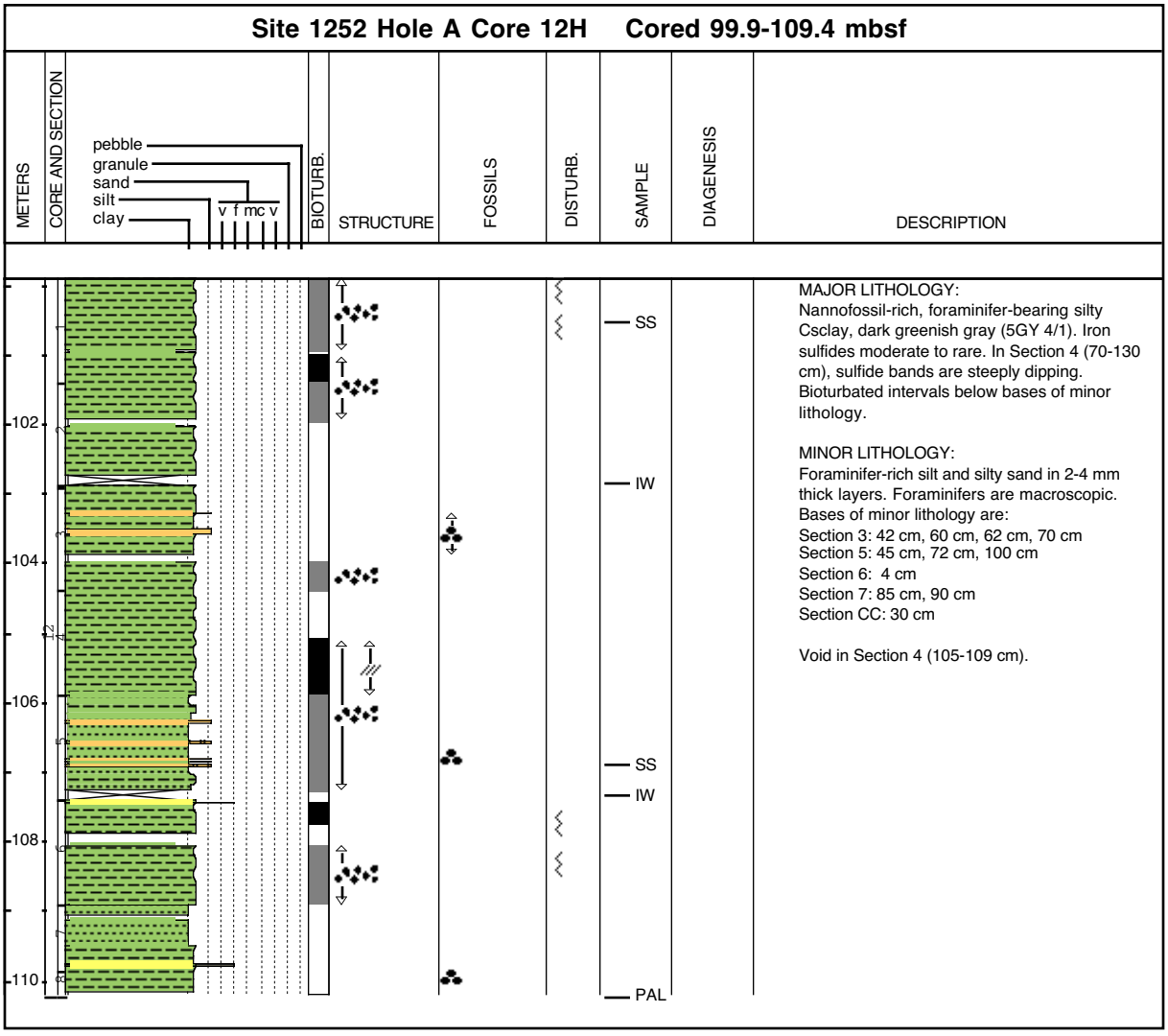
Core Photo


Site 1252 Hole A Core 10H Cored 80.9-90.4 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f m c v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
82
84
86
88
90
SS
HYD
IW
SS
IW
PAL
MAJOR LITHOLOGY:
Diatom-rich to diatom-bearing silty clay, dark greenish gray (5GY 4/1). Homogeneous. Sulfide and bioturbation moderate to abundant, especially at Section 5 (85 to 135 cm) showing halos and concentric bioturbacion traces. Iron Sulfide nodule at Section CC (33 cm).

Core Photo

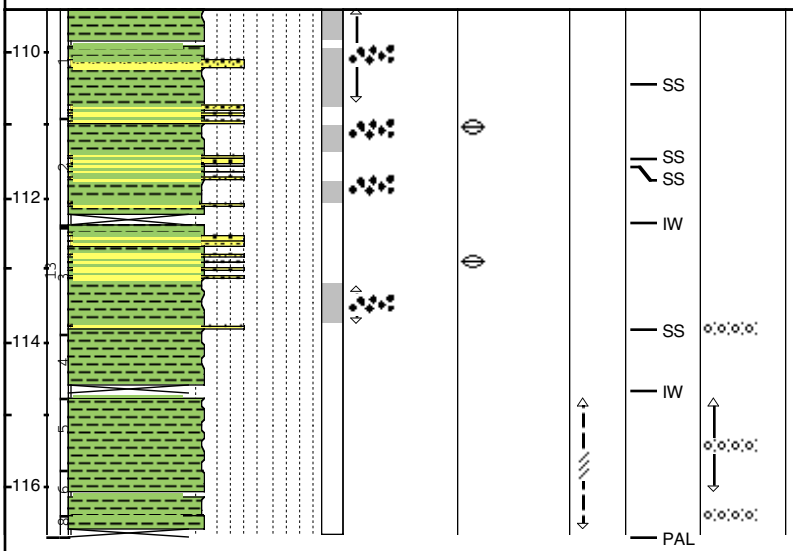

Site 1252 Hole A Core 11H Cored 90.4-99.9 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
92
94
96
98
100
SS
SS
SS
IW
SS
SS
HYD
IW
PAL
C
F
F
F
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY4/1).
Well developed laminations in Sections 3 and 4.
Bioturbation not seen in this core. Sulfide only occurs in laminated zones.
MINOR LITHOLOGY:
Clayey silt, occurs in graded beds with visible foraminifers. Bases at:
Section 2: 62 cm and a small pocket at 95 cm
Section 5: 41, 77, and 131 cm
Section 6: 13 and 61 cm
Wood fragment(2 mm) in Section 6: 26 cm.
Authigenic carbonate (calcite needles) in Section 1: 120-132 cm in light colored patch.

Core Photo


Site 1252 Hole A Core 12H Cored 99.9-109.4 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
102
104
106
108
110
SS
IW
SS
IW
PAL
MAJOR LITHOLOGY:
Nannofossil-rich, foraminifer-bearing silty Csclay, dark greenish gray (5GY 4/1). Iron sulfides moderate to rare. In Section 4 (70-130 cm), sulfide bands are steeply dipping. Bioturbated intervals below bases of minor lithology.
MINOR LITHOLOGY:
Foraminifer-rich silt and silty sand in 2-4 mm thick layers. Foraminifers are macroscopic.
Bases of minor lithology are:
Section 3: 42 cm, 60 cm, 62 cm, 70 cm
Section 5: 45 cm, 72 cm, 100 cm
Section 6: 4 cm
Section 7: 85 cm, 90 cm
Section CC: 30 cm
Void in Section 4 (105-109 cm).

Core Photo

Site 1252 Hole A Core 13H Cored 109.4-118.9 mbsf



MAJOR LITHOLOGY:
Silty clay,
dark greenish gray (5GY 4/1) in Setions 1 to 4 and dark gray (N3) in Sections 5 to CC. Several turbidite sequences present in Sections 1 to 4, while abundant glauconite patches present in Setions 5 to CC.
Rare bioturbation and sulfide patches were seen only in Sections 1 to 4.

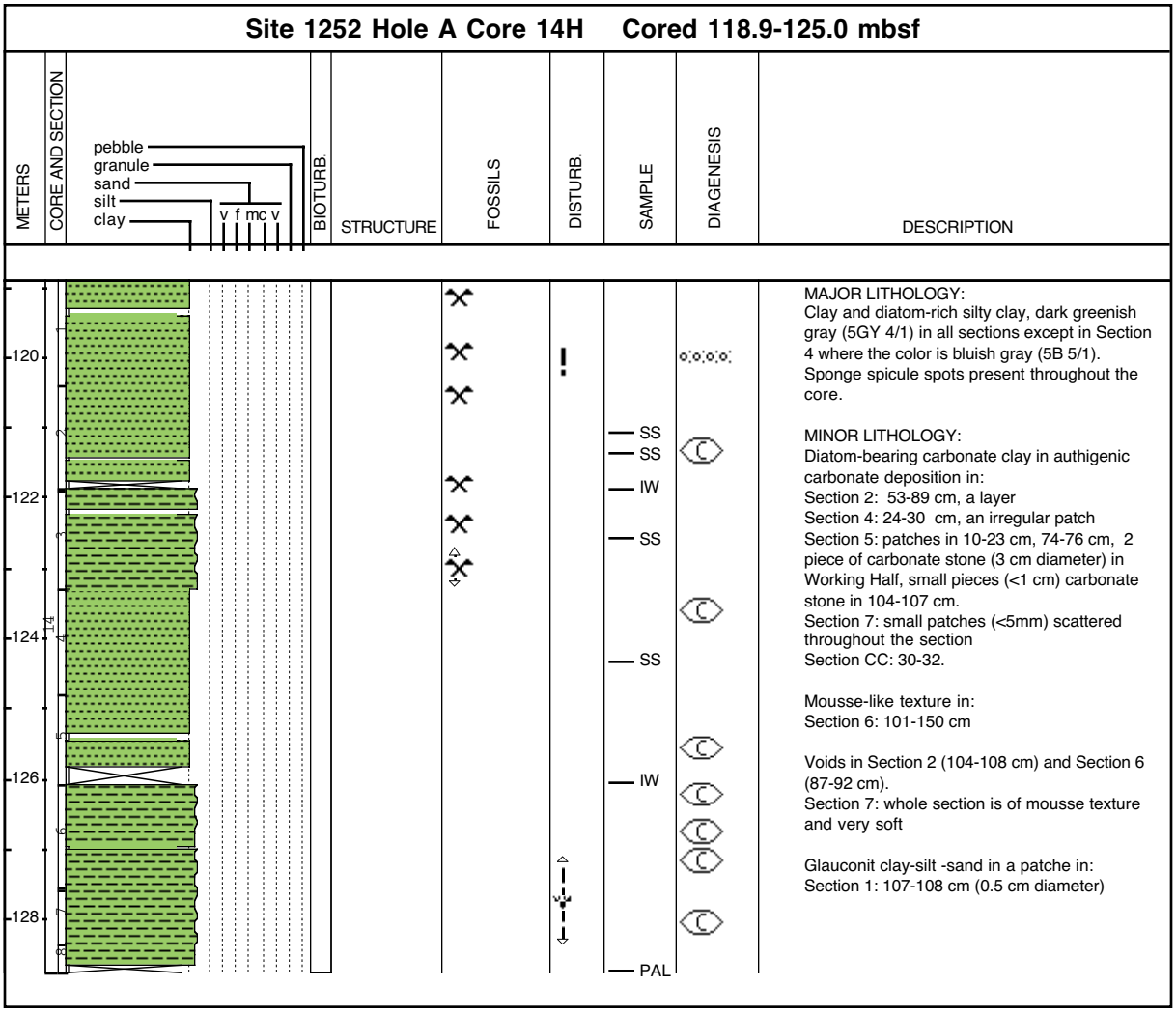
This core exploded on the cat walk. Most part of Sections 5 to 7 is lost. The rest of sediments in Sections 5 to CC show dry fractures that could result from gas expasion or gas hydrate dissociation.

MINOR LITHOLOGY:
Foraminifer-rich silty sand and foraminifer-rich sand-silt-clay in coarse to fining-upward, graded turbidite sequences:
Section 1: 73-82 cm, 136-139 cm (dipping), 146-148 cm (curved)
Section 2: 6-10 cm, 53-89 cm, 120-125 cm
Section 3: 16-28 cm, 40-51 cm, 61-64 cm, 71-76 cm
Section 4: 50-62 cm (only foraminifer-rich sand-silt-clay)

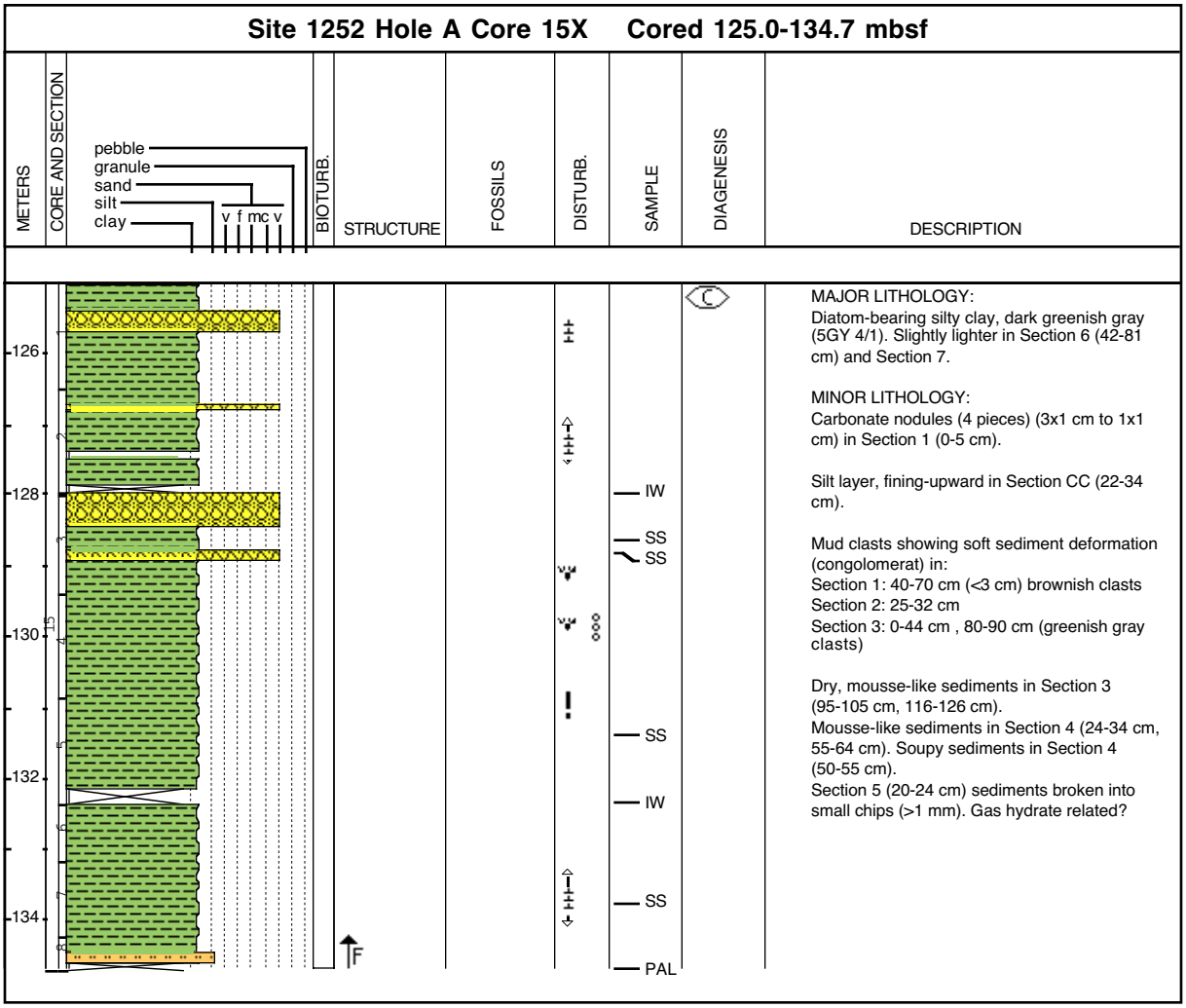
Glauconite sand-silt-clay layer or patches in:
Section 3: 141-143, a 3-mm thick glauconite layer
Section 5: patches with1 to 2 cm in diameter throughout the section.
Section 6: patches with1 to 3 cm in diameter throughout the section.
Section CC: a few small patches (0.5 cm diameter)

Mollusc shell debris:
Section 2: 12-14 cm

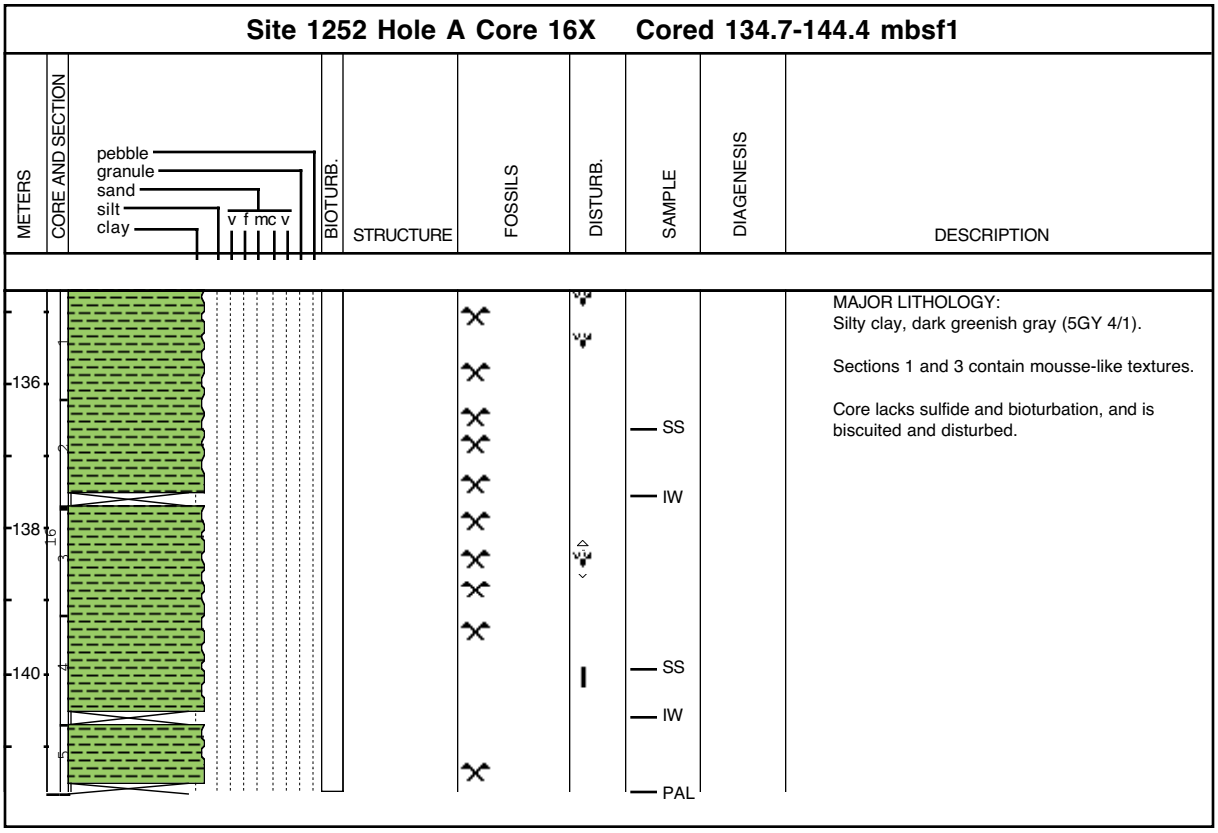
Core Photo


Site 1252 Hole A Core 14H Cored 118.9-125.0 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
120
122
124
126
128
SS
SS
IW
SS
SS
IW
PAL
MAJOR LITHOLOGY:
Clay and diatom-rich silty clay, dark greenish gray (5GY 4/1) in all sections except in Section 4 where the color is bluish gray (5B 5/1). Sponge spicule spots present throughout the core.
MINOR LITHOLOGY:
Diatom-bearing carbonate clay in authigenic carbonate deposition in:
Section 2: 53-89 cm, a layer
Section 4: 24-30 cm, an irregular patch
Section 5: patches in 10-23 cm, 74-76 cm, 2 piece of carbonate stone (3 cm diameter) in Working Half, small pieces (<1 cm) carbonate stone in 104-107 cm.
Section 7: small patches (<5mm) scattered throughout the section
Section CC: 30-32.
Mousse-like texture in:
Section 6: 101-150 cm
Voids in Section 2 (104-108 cm) and Section 6 (87-92 cm).
Section 7: whole section is of mousse texture and very soft
Glauconit clay-silt -sand in a patche in:
Section 1: 107-108 cm (0.5 cm diameter)

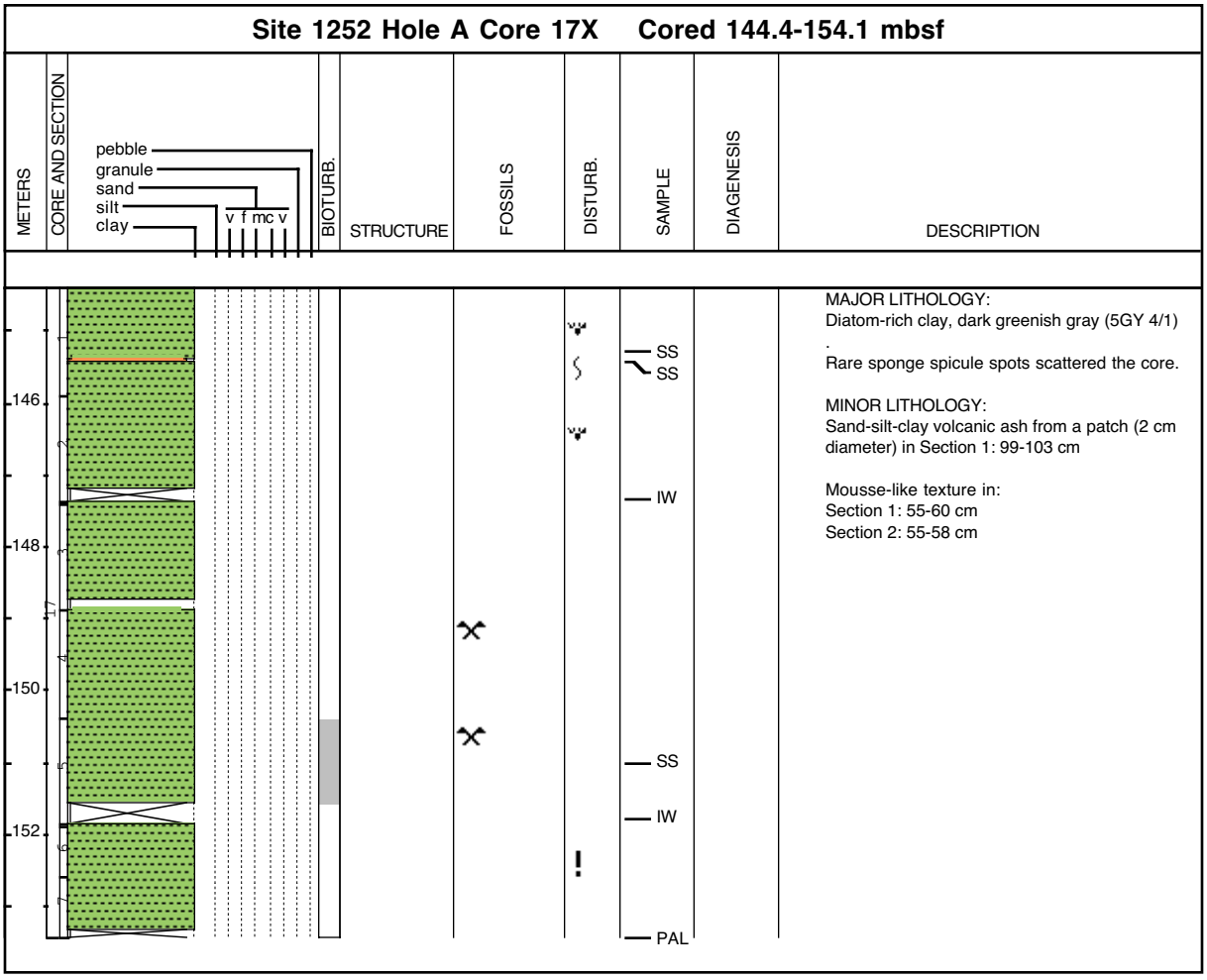
Core Photo


Site 1252 Hole A Core 15X Cored 125.0-134.7 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
126
128
130
132
134
IW
SS
SS
SS
IW
SS
PAL
C
F
MAJOR LITHOLOGY:
Diatom-bearing silty clay, dark greenish gray (5GY 4/1). Slightly lighter in Section 6 (42-81 cm) and Section 7.
MINOR LITHOLOGY:
Carbonate nodules (4 pieces) (3x1 cm to 1x1 cm) in Section 1 (0-5 cm).
Silt layer, fining-upward in Section CC (22-34 cm).
Mud clasts showing soft sediment deformation (congolomerat) in:
Section 1: 40-70 cm (<3 cm) brownish clasts
Section 2: 25-32 cm
Section 3: 0-44 cm , 80-90 cm (greenish gray clasts)
Dry, mousse-like sediments in Section 3 (95-105 cm, 116-126 cm).
Mousse-like sediments in Section 4 (24-34 cm, 55-64 cm). Soupy sediments in Section 4 (50-55 cm).
Section 5 (20-24 cm) sediments broken into small chips (>1 mm). Gas hydrate related?

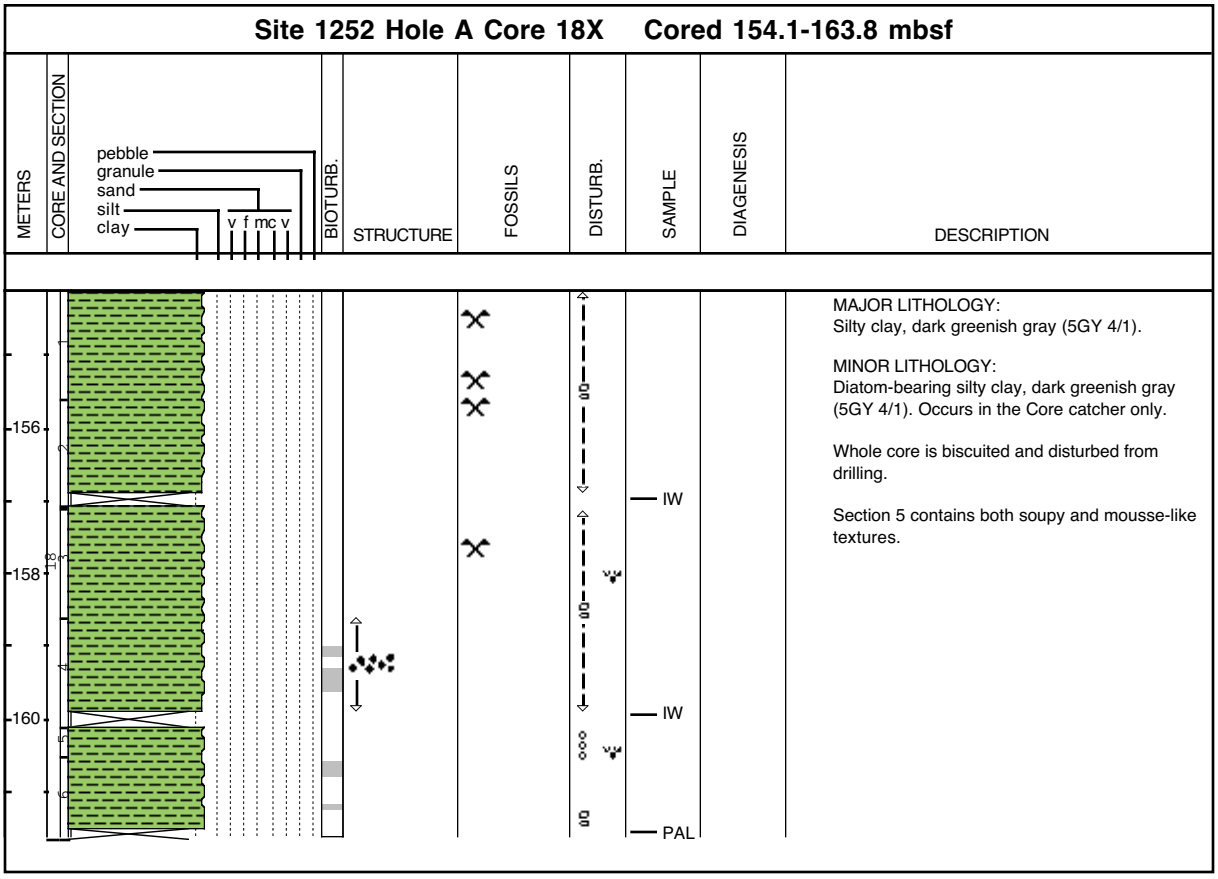
Core Photo


Site 1252 Hole A Core 16X Cored 134.7-144.4 mbsf1
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
136
138
140
SS
IW
SS
IW
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1).
Sections 1 and 3 contain mousse-like textures.
Core lacks sulfide and bioturbation, and is biscuited and disturbed.

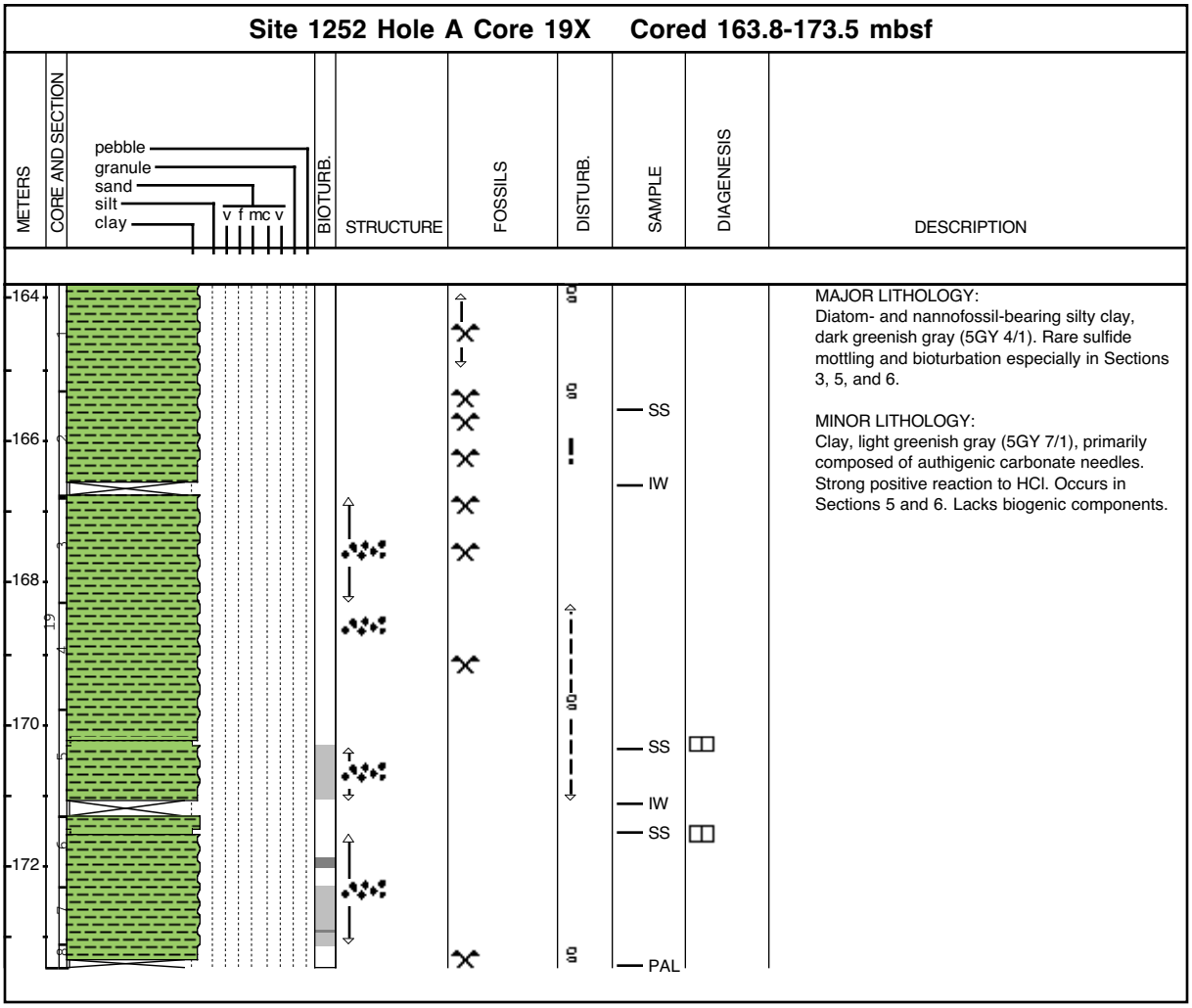
Core Photo


Site 1252 Hole A Core 17X Cored 144.4-154.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
146
148
150
152
SS
SS
IW
SS
IW
PAL
MAJOR LITHOLOGY:
Diatom-rich clay, dark greenish gray (5GY 4/1)
.
Rare sponge spicule spots scattered the core.
MINOR LITHOLOGY:
Sand-silt-clay volcanic ash from a patch (2 cm diameter) in Section 1: 99-103 cm
Mousse-like texture in:
Section 1: 55-60 cm
Section 2: 55-58 cm

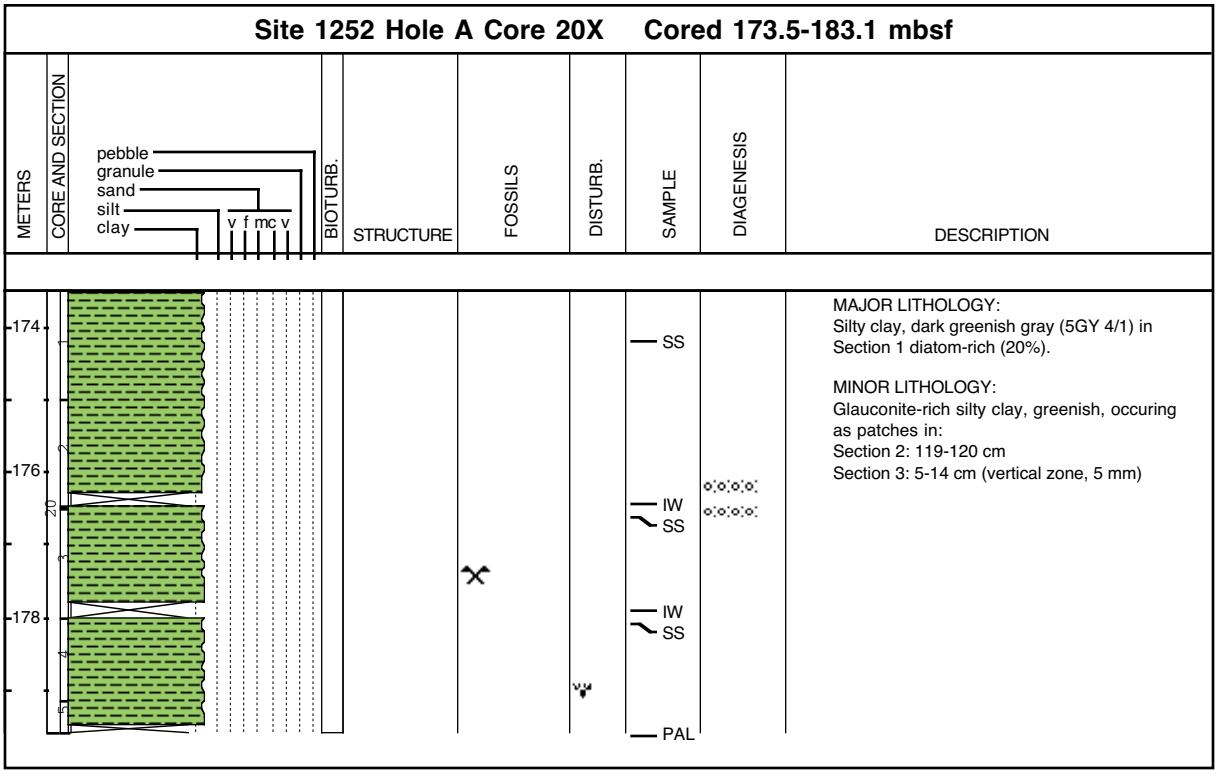
Core Photo


Site 1252 Hole A Core 18X Cored 154.1-163.8 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
156
158
160
IW
IW
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1).
MINOR LITHOLOGY:
Diatom-bearing silty clay, dark greenish gray (5GY 4/1). Occurs in the Core catcher only.
Whole core is biscuited and disturbed from drilling.
Section 5 contains both soupy and mousse-like textures.

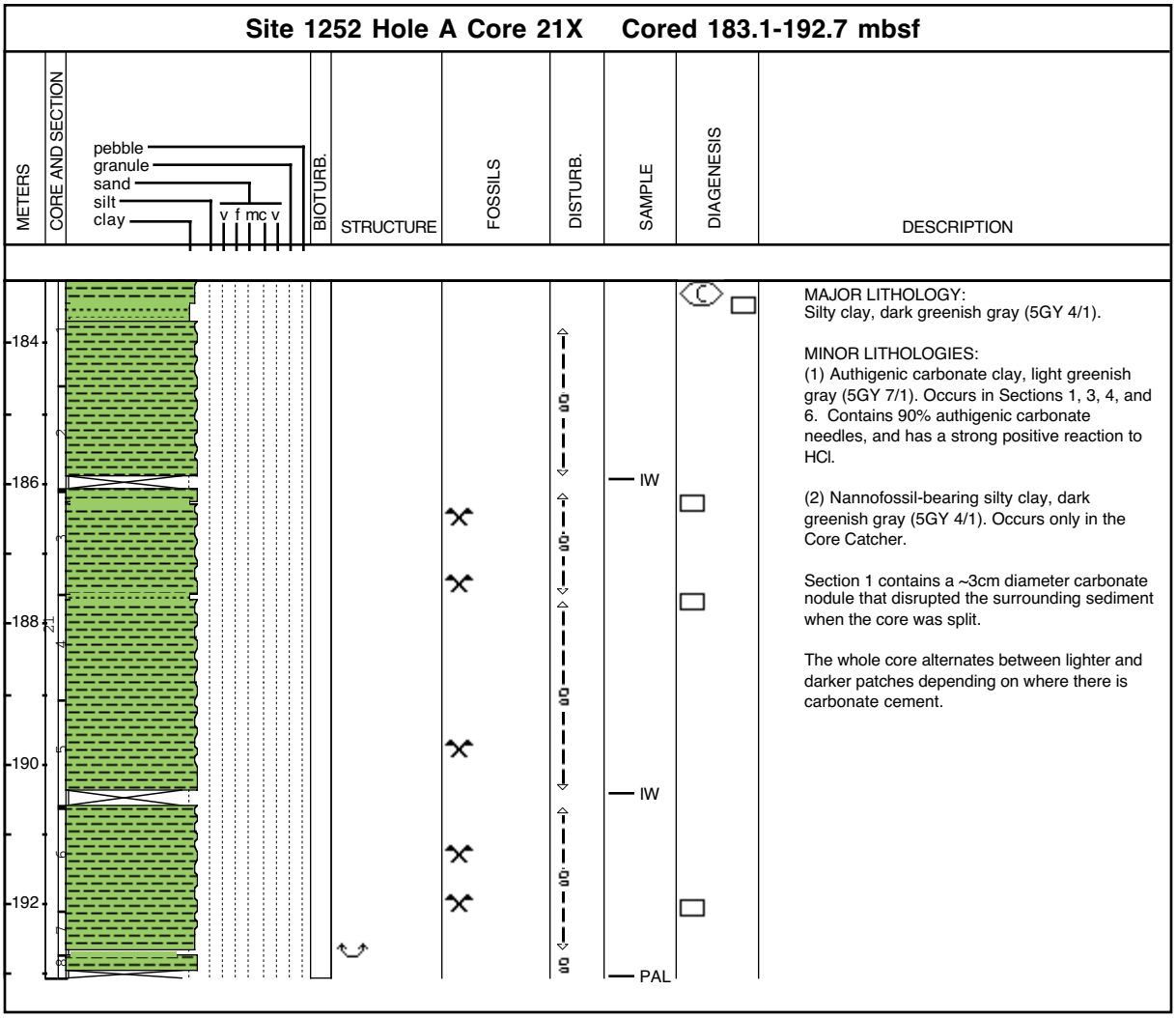
Core Photo


Site 1252 Hole A Core 19X Cored 163.8-173.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
164
166
168
170
172
19
SS
IW
SS
IW
SS
PAL
MAJOR LITHOLOGY:
Diatom- and nannofossil-bearing silty clay, dark greenish gray (5GY 4/1). Rare sulfide mottling and bioturbation especially in Sections 3, 5, and 6.
MINOR LITHOLOGY:
Clay, light greenish gray (5GY 7/1), primarily composed of authigenic carbonate needles. Strong positive reaction to HCl. Occurs in Sections 5 and 6. Lacks biogenic components.

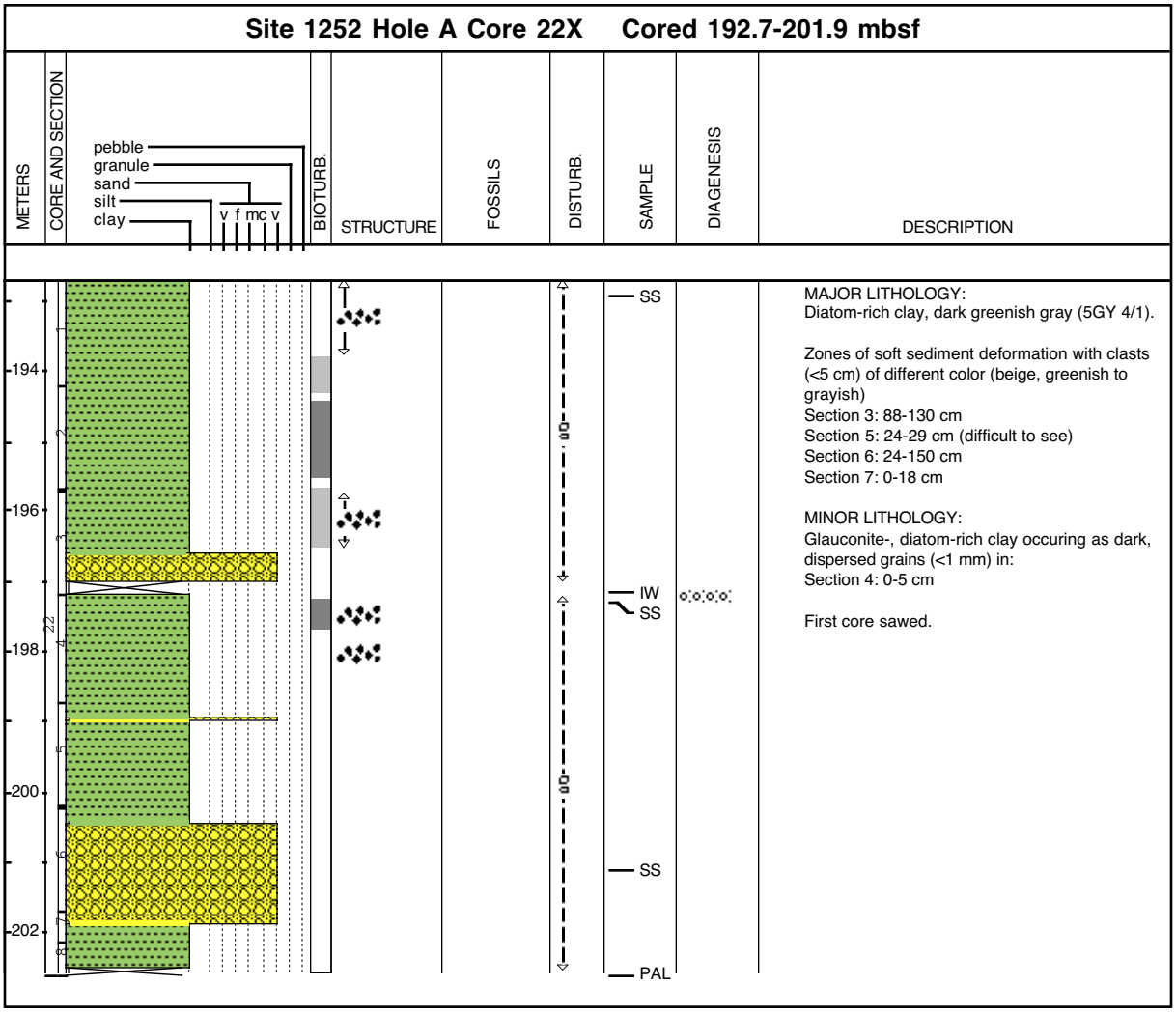
Core Photo


Site 1252 Hole A Core 20X Cored 173.5-183.1 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
174
176
178
SS
IW
SS
IW
SS
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1) in Section 1 diatom-rich (20%).
MINOR LITHOLOGY:
Glauconite-rich silty clay, greenish, occuring as patches in:
Section 2: 119-120 cm
Section 3: 5-14 cm (vertical zone, 5 mm)

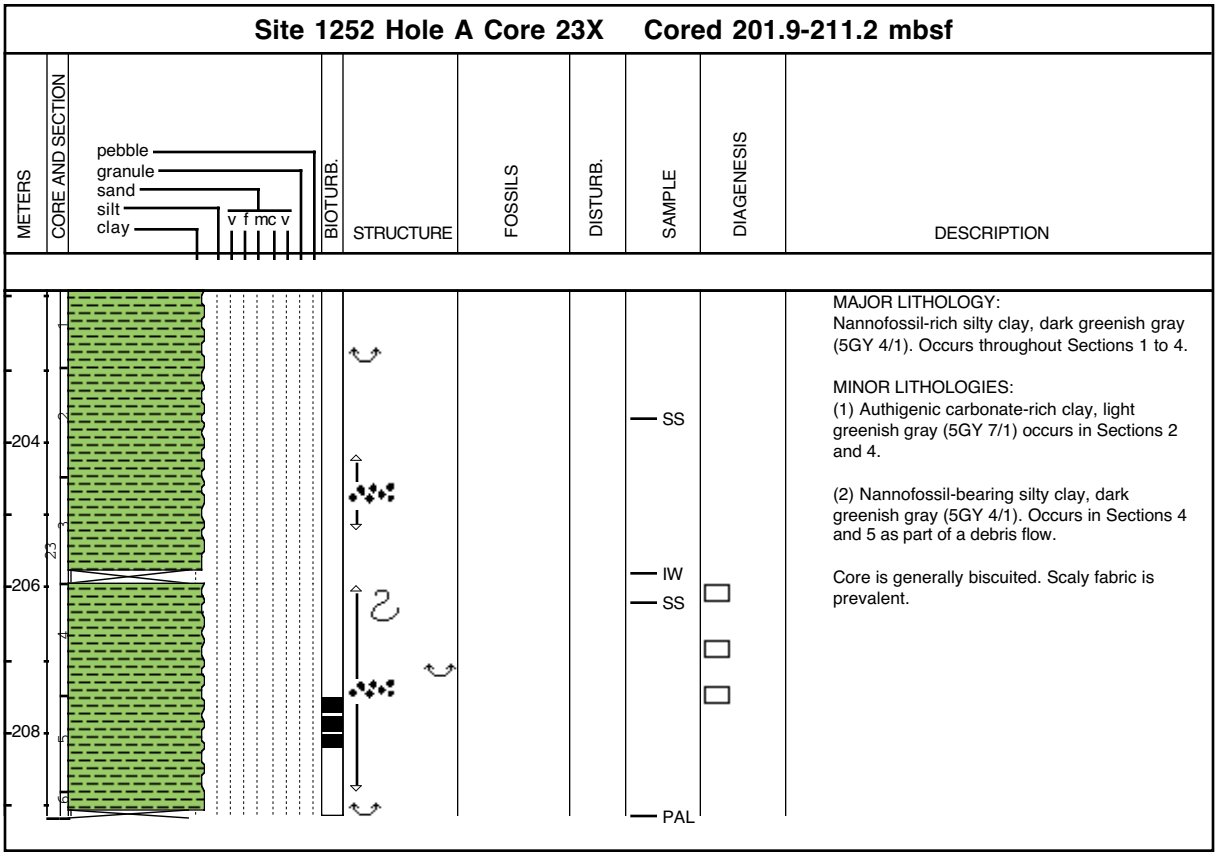
Core Photo


Site 1252 Hole A Core 21X Cored 183.1-192.7 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
184
186
188
190
192
IW
IW
PAL
MAJOR LITHOLOGY:
Silty clay, dark greenish gray (5GY 4/1).
MINOR LITHOLOGIES:
(1) Authigenic carbonate clay, light greenish gray (5GY 7/1). Occurs in Sections 1, 3, 4, and 6. Contains 90% authigenic carbonate needles, and has a strong positive reaction to HCl.
(2) Nannofossil-bearing silty clay, dark greenish gray (5GY 4/1). Occurs only in the Core Catcher.
Section 1 contains a ~3cm diameter carbonate nodule that disrupted the surrounding sediment when the core was split.
The whole core alternates between lighter and darker patches depending on where there is carbonate cement.

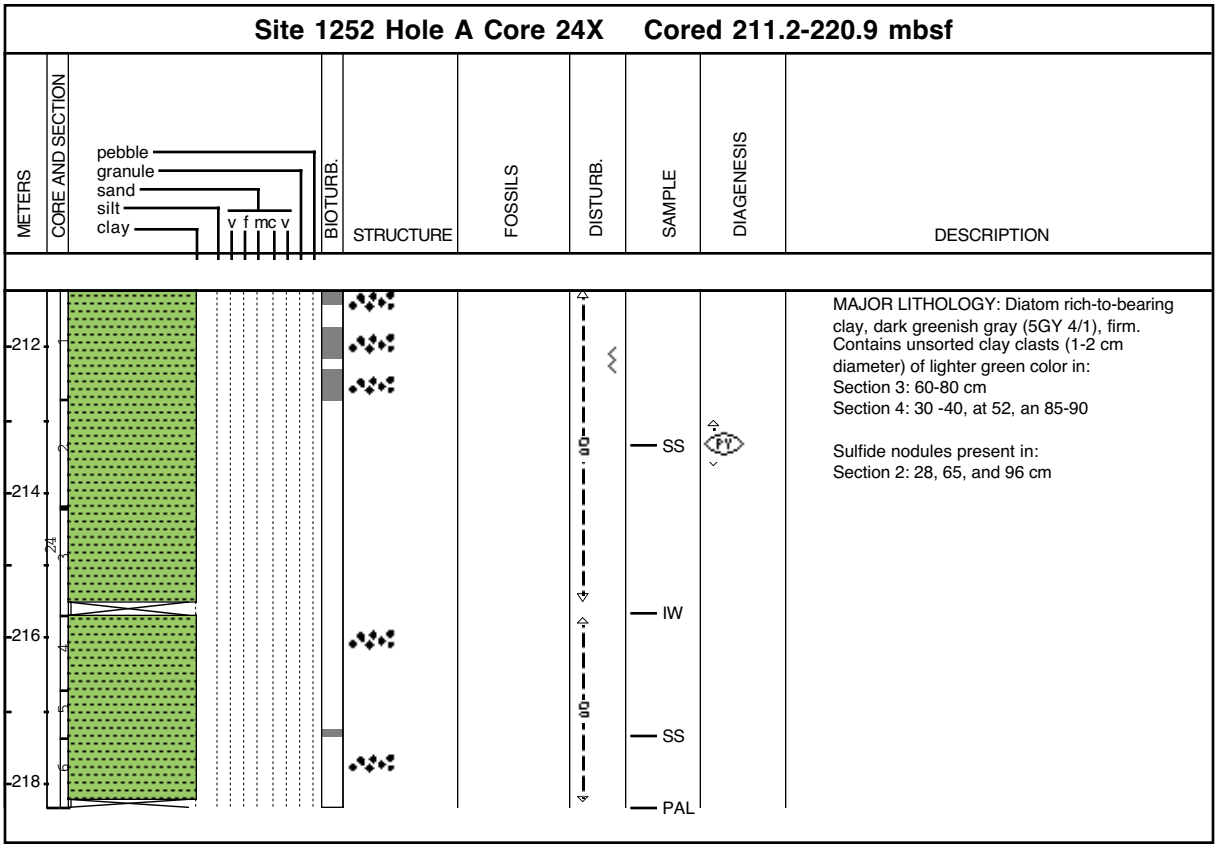
Core Photo


Site 1252 Hole A Core 22X Cored 192.7-201.9 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
194
196
198
200
202
22
SS
IW
SS
SS
PAL
MAJOR LITHOLOGY:
Diatom-rich clay, dark greenish gray (5GY 4/1).
Zones of soft sediment deformation with clasts (<5 cm) of different color (beige, greenish to grayish)
Section 3: 88-130 cm
Section 5: 24-29 cm (difficult to see)
Section 6: 24-150 cm
Section 7: 0-18 cm
MINOR LITHOLOGY:
Glauconite-, diatom-rich clay occuring as dark, dispersed grains (<1 mm) in:
Section 4: 0-5 cm
First core sawed.

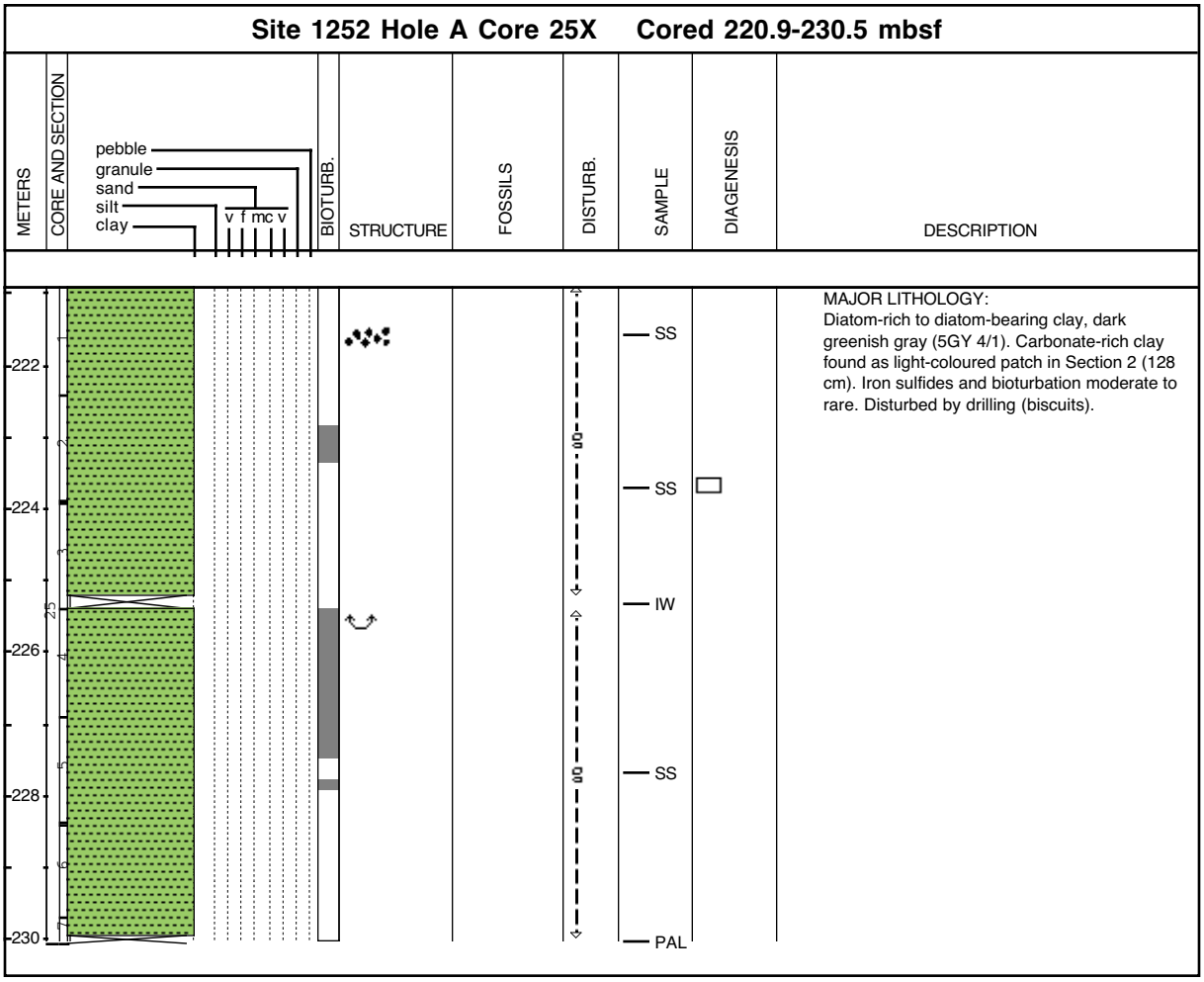
Core Photo


Site 1252 Hole A Core 23X Cored 201.9-211.2 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
204
206
208
23
1
2
3
4
5
6
7
SS
IW
SS
PAL
MAJOR LITHOLOGY:
Nannofossil-rich silty clay, dark greenish gray (5GY 4/1). Occurs throughout Sections 1 to 4.
MINOR LITHOLOGIES:
(1) Authigenic carbonate-rich clay, light greenish gray (5GY 7/1) occurs in Sections 2 and 4.
(2) Nannofossil-bearing silty clay, dark greenish gray (5GY 4/1). Occurs in Sections 4 and 5 as part of a debris flow.
Core is generally biscuited. Scaly fabric is prevalent.

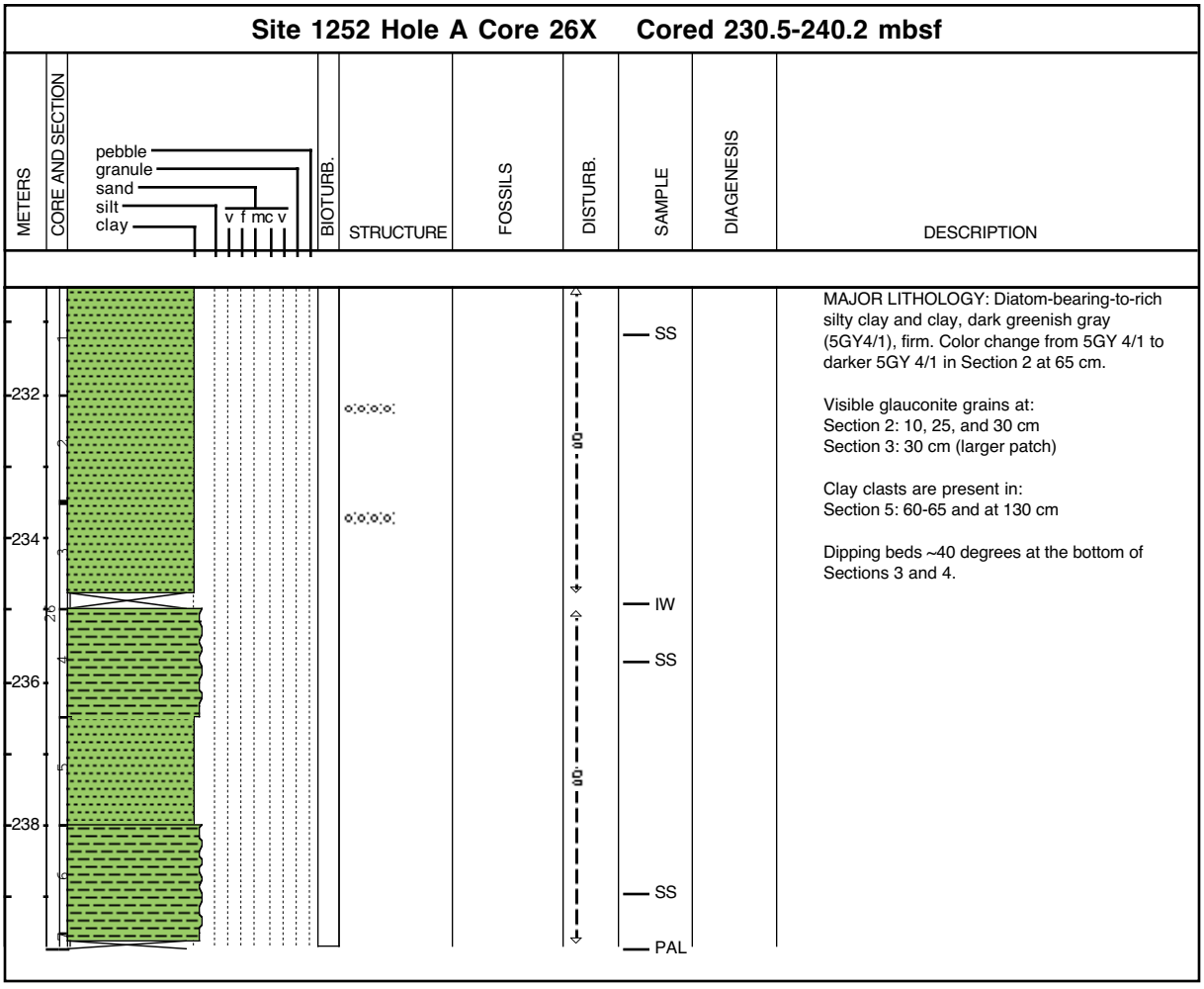
Core Photo


Site 1252 Hole A Core 24X Cored 211.2-220.9 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
212
214
216
218
24
1
2
3
4
5
6
SS
IW
SS
PAL
PY
MAJOR LITHOLOGY: Diatom rich-to-bearing clay, dark greenish gray (5GY 4/1), firm. Contains unsorted clay clasts (1-2 cm diameter) of lighter green color in:
Section 3: 60-80 cm
Section 4: 30 -40, at 52, an 85-90
Sulfide nodules present in:
Section 2: 28, 65, and 96 cm

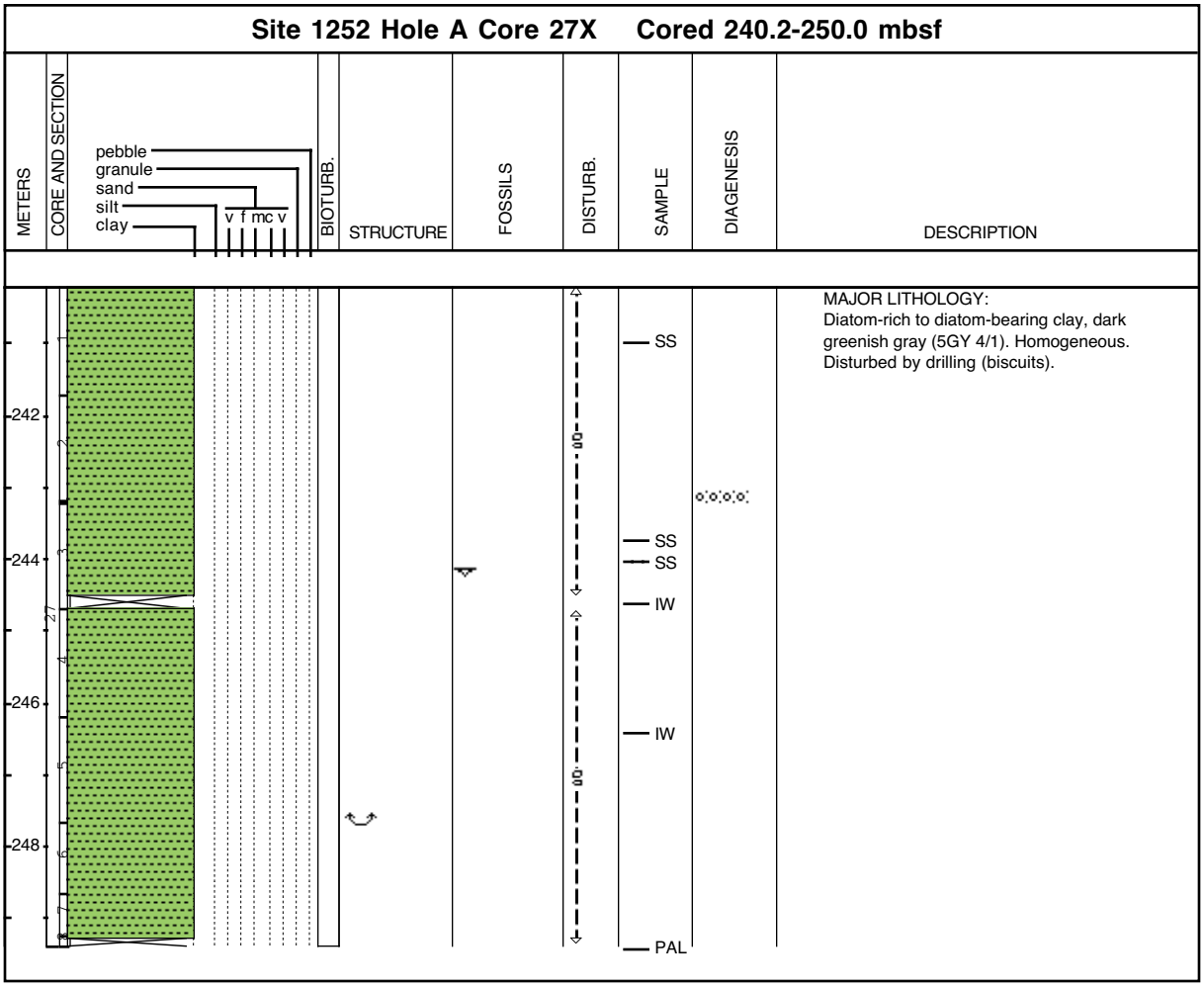
Core Photo


Site 1252 Hole A Core 25X Cored 220.9-230.5 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
222
224
226
228
230
SS
SS
IW
SS
PAL
MAJOR LITHOLOGY:
Diatom-rich to diatom-bearing clay, dark greenish gray (5GY 4/1). Carbonate-rich clay found as light-coloured patch in Section 2 (128 cm). Iron sulfides and bioturbation moderate to rare. Disturbed by drilling (biscuits).

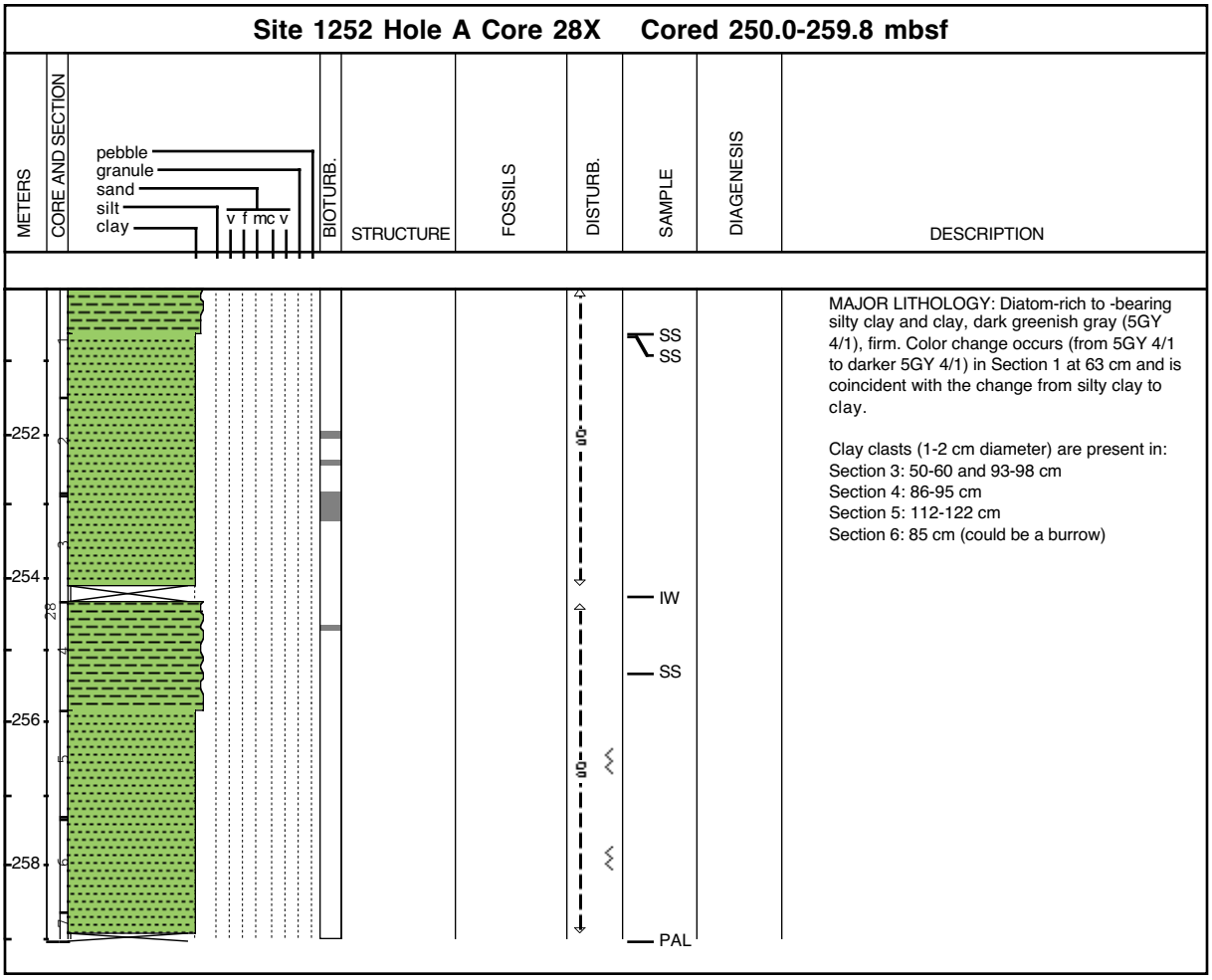
Core Photo


Site 1252 Hole A Core 26X Cored 230.5-240.2 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
232
234
236
238
26
SS
IW
SS
SS
PAL
MAJOR LITHOLOGY: Diatom-bearing-to-rich silty clay and clay, dark greenish gray (5GY4/1), firm. Color change from 5GY 4/1 to darker 5GY 4/1 in Section 2 at 65 cm.
Visible glauconite grains at:
Section 2: 10, 25, and 30 cm
Section 3: 30 cm (larger patch)
Clay clasts are present in:
Section 5: 60-65 and at 130 cm
Dipping beds ~40 degrees at the bottom of Sections 3 and 4.

Core Photo


Site 1252 Hole A Core 27X Cored 240.2-250.0 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
242
244
246
248
SS
SS
SS
IW
IW
PAL
MAJOR LITHOLOGY:
Diatom-rich to diatom-bearing clay, dark greenish gray (5GY 4/1). Homogeneous. Disturbed by drilling (biscuits).

Core Photo


Site 1252 Hole A Core 28X Cored 250.0-259.8 mbsf
METERS
CORE AND SECTION
pebble
granule
sand
silt
clay
v f mc v
BIOTURB.
STRUCTURE
FOSSILS
DISTURB.
SAMPLE
DIAGENESIS
DESCRIPTION
252
254
256
258
28
SS
SS
IW
SS
PAL
MAJOR LITHOLOGY: Diatom-rich to -bearing silty clay and clay, dark greenish gray (5GY 4/1), firm. Color change occurs (from 5GY 4/1 to darker 5GY 4/1) in Section 1 at 63 cm and is coincident with the change from silty clay to clay.
Clay clasts (1-2 cm diameter) are present in:
Section 3: 50-60 and 93-98 cm
Section 4: 86-95 cm
Section 5: 112-122 cm
Section 6: 85 cm (could be a burrow)

Sample						Texture			Mineral							Biogenic							Comments
Core	Core type	Section	Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Biotite	Calcite	Feldspar	Glauconite	Opaques	Quartz	Volcanic Glass	Calcareous shell fragments	Diatoms	Foraminifers	Nannofossils	Radiolarians	Siliceous sponge spicules	Silicoflagellates	
Hole A																							
1	H	1	2	0.02	M	9	31	60					3			10	15	2			3		
1	H	1	22	0.22	M	9	31	60					3			10	15	2			3		
1	H	1	30	0.30	M	50	30	20					2			20	3	5					
1	H	1	33	0.33	D	8	27	65					2				13	1			2		
1	H	2	20	1.70	M	60	30	10					8					3					
1	H	2	26	1.76	D	8	22	70								5	3	3	8				
1	H	2	43	1.93	M	3	22	75					3				3						
1	H	2	90	2.40	D	5	25	70								5	5	3	10				
2	H	2	2	6.42	M	15	25	60					6				8	3	6				
2	H	2	52	6.92	D	8	22	70					3			5	8	4	12		3		
2	H	2	75	7.15	M	15	25	60					6				8	3	6				
2	H	3	96	8.86	D	12	28	60									20	1	20		5		
2	H	6	42	12.82	D	5	30	65					2			5	25	3	15				
3	H	2	30	14.95	D		30	70				1	5	10		3	20	1	5		3		
3	H	7	66	22.81	D		25	75				1	5	10		1	8	1	15		1		
4	H	2	47	25.87	D		25	75						5		5			11		2		
4	H	5	92	30.70	D		25	75					3	5			1		7	2			
4	H	5	108	30.86	M		30	70					10	5			5	1		2	5		
5	H	2	66	34.65	D	2	30	68					2	10		2	20		20		1		
5	H	5	90	39.39	D	1	30	69					6	20			8	1			3		
5	H	8	29	42.78	D		25	75				1	5	10		1	20	1					
6	H	1	125	44.15	D		30	70					6	3		5	18						
6	H	6	60	51.00	D	2	35	63			3			15			8					2	
7	H	1	50	52.90	D	5	40	55				1	5	20			11	2			5		
7	H	3	126	56.66	D	3	30	67					5	20		3	8				3		
7	H	6	40	60.30	D	2	35	63				1	5	20			11	1	1		5		
8	H	2	54	63.94	D	1	30	69					7	10	3		3				1		
8	H	6	87	70.27	M	30	60	10		10	10	3	20	30									
8	H	6	94	70.34	M		30	70					3	7		3	2		5				
8	H	7	31	70.71	M		20	80					6	3			4	2					
9	H	1	16	71.56	M		3	97					3	10			5						
9	H	2	40	73.30	D		30	70			1	1	5	20			5				2		
9	H	3	36	74.76	M		30	70				1	2				5	5	5				
9	H	7	70	80.94	D		30	70			2			20			15	6			3		
10	H	1	82	81.72	D	1	40	59			1	3	2	15		4	15	5	4				
10	H	5	85	86.85	M		35	65			2	3	2	10			6	5					
11	H	1	30	90.70	D		40	60					5	20			3				2		
11	H	1	128	91.68	M		0	100		90													
11	H	2	61	92.51	M		90	10			2	1		25							1		
11	H	3	122	94.62	D		10	90			2	1		20							20		
11	H	5	77	97.17	D	3	30	67					2	20				5					
12	H	1	60	100.50	D		30	70				2	2	8		3	3	5	10				
12	H	3	90	103.80	M	10	60	30	3			2	2	7		15	2	30					
12	H	5	97	106.77	M	10	65	25			2	5	2	5		5		9	5				
12	H	7	86	109.66	M	30	60	10			5	3		10		10		35	3				
13	H	1	102	110.42	D	8	27	65					1			2	3	2	1		2		

Sample						Texture			Mineral							Biogenic							
Core	Core type	Section	Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Biotite	Calcite	Feldspar	Glauconite	Opaques	Quartz	Volcanic Glass	Calcareous shell fragments	Diatoms	Foraminifers	Nannofossils	Radiolarians	Siliceous sponge spicules	Silicoflagellates	Comments
Hole A (continued)																							
13	H	2	54	111.44	M	30	40	30								5		15			3		
13	H	2	67	111.57	M	70	25	5							1	20	2	30					
13	H	3	142	113.82	M	50	30	20				40						2					
13	H	5	35	115.12	D	10	30	60				6					3				1		
13	H	6	26	116.03	M	40	30	30				40									1		
14	H	2	63	121.03	D	3	22	75					3				2						
14	H	2	93	121.33	M	5	15	80		60							5				1		
14	H	3	62	122.52	D	8	27	65					2				10				3		
14	H	4	97	124.29	D	1	9	90									1		1				
14	H	6	136	127.45	D	12	28	60									5						
15	X	3	60	128.60	D		25	75					5				4						
15	X	3	82	128.82	M		40	60			1		1				8						
15	X	5	50	131.38	D		25	75				1	3	5			6					1	
15	X	7	55	133.74	D		25	75					3	5			4						
16	X	2	38	136.58	D		25	75			2		3	3		2	7			1	3		
16	X	4	70	139.90	D		30	70					4	2		2	7			3	3		
17	X	1	88	145.28	D	5	15	80					2				10				1		
17	X	1	100	145.40	M	15	55	30							80								
17	X	5	60	151.00	D	8	22	70									10		1		1		
18	X	2	97	156.57	D		25	75			2		2	10									
18	X	CC	63	160.85	M		25	75						5		2	8						
19	X	2	26	165.56	D		30	70			3	3		7			5	2	8	2	2		
19	X	5	49	170.29	M		10	90		70				2									
19	X	6	21	171.51	M		5	95		80													
20	X	1	70	174.20	D	1	25	74					4	10			20						
20	X	3	9	176.59	D	3	25	72			1		5	5		2	2	2			1		
20	X	4	60	178.60	M	10	25	65				11		5									
21	X	1	51	183.61	M		5	95		95				3									
21	X	4	53	188.09	D		30	70			5			10			2			1			
21	X	CC	12	192.81	M	3	30	67		60	2			5		3			6				
22	X	1	22	192.92	D	1	15	84					5				15	1					
22	X	4	5	197.25	M	10	10	80				11	3	5			20		3				
22	X	6	89	201.09	M		10	90					5				11						
23	X	2	60	203.58	D		25	75						2					20		2		
23	X	4	22	206.20	M		25	75	2	5				2					5		1		
24	X	2	62	213.32	D		15	85					2				12						
24	X	5	60	217.30	D		5	95					3				12				1		
25	X	1	68	221.58	D		20	80	2				3	5			15				10		
25	X	2	128	223.68	M		15	85	1	30	2		2				5						
25	X	5	74	227.64	D		15	85				1	5	10			4				3		
26	X	1	65	231.15	D	5	15	80					1				10				3		
26	X	4	68	235.68	D	5	30	65					2				30				5		
26	X	6	92	238.92	D	3	27	70					2				20				5		
27	X	1	77	240.97	D	2	28	70					3				25				5		
27	X	3	53	243.73	M	2	13	85					1				5				5		
27	X	3	79	243.99	M	2	13	85					2				8				1		
27	X	5	21	246.38	M	3	27	70					2				20				5		

Sample						Texture			Mineral							Biogenic							
Core	Core type	Section	Interval (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Biotite	Calcite	Feldspar	Glauconite	Opaques	Quartz	Volcanic Glass	Calcareous shell fragments	Diatoms	Foraminifers	Nannofossils	Radiolarians	Siliceous sponge spicules	Silicoflagellates	Comments
Hole A (continued)																							
28	X	1	62	250.62	D	10	20	70					2				22				7		
28	X	1	64	250.64	D	5	20	75					2				18				7		
28	X	4	94	255.28	M	6	24	70									5				3		