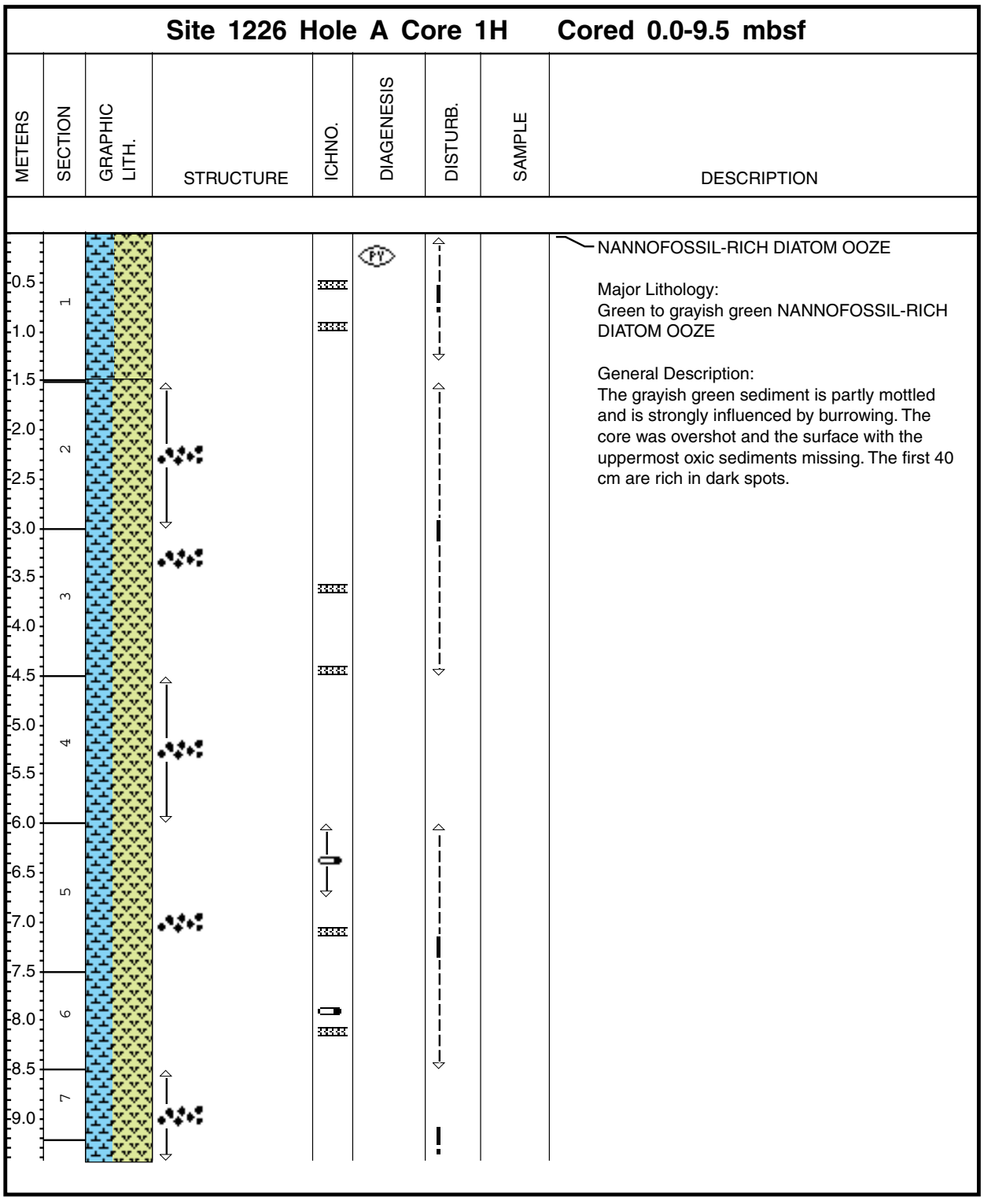
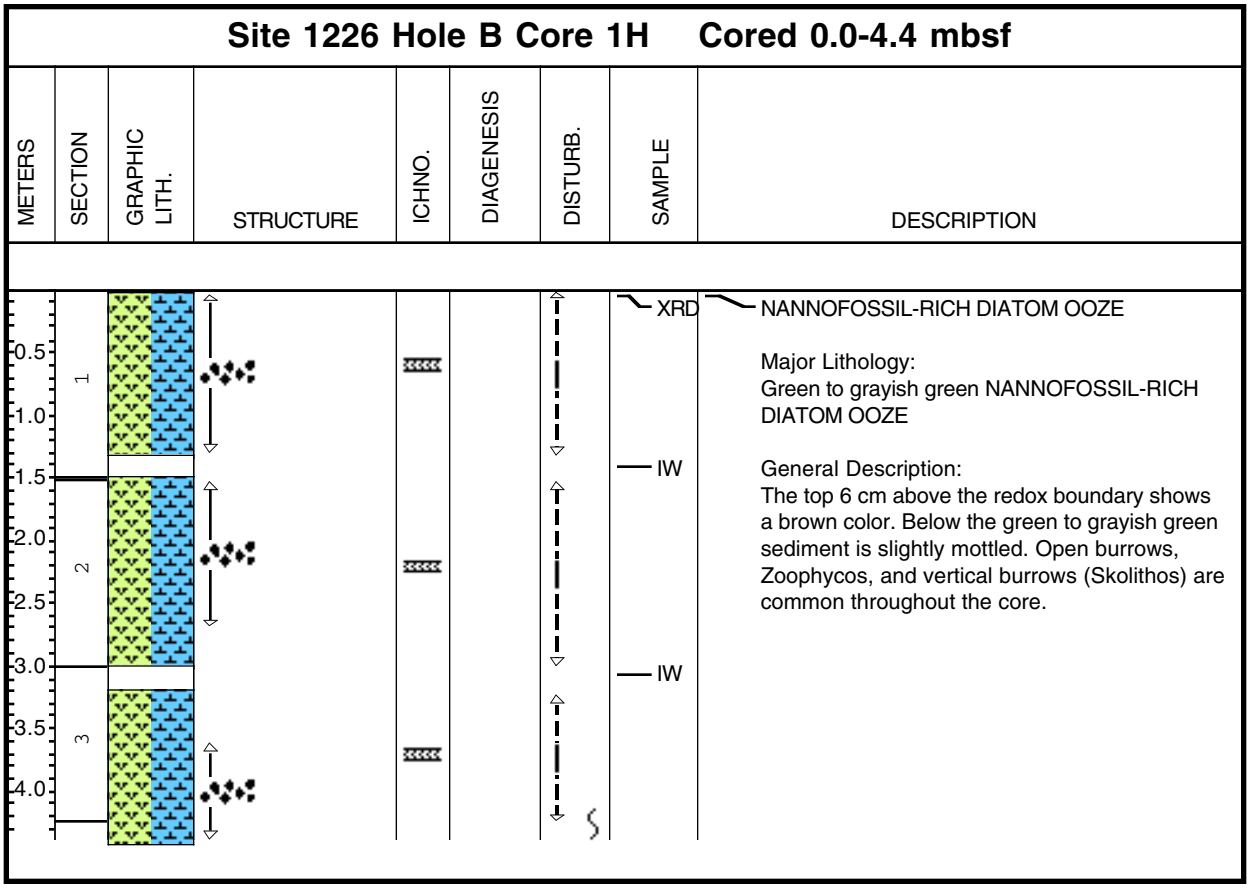
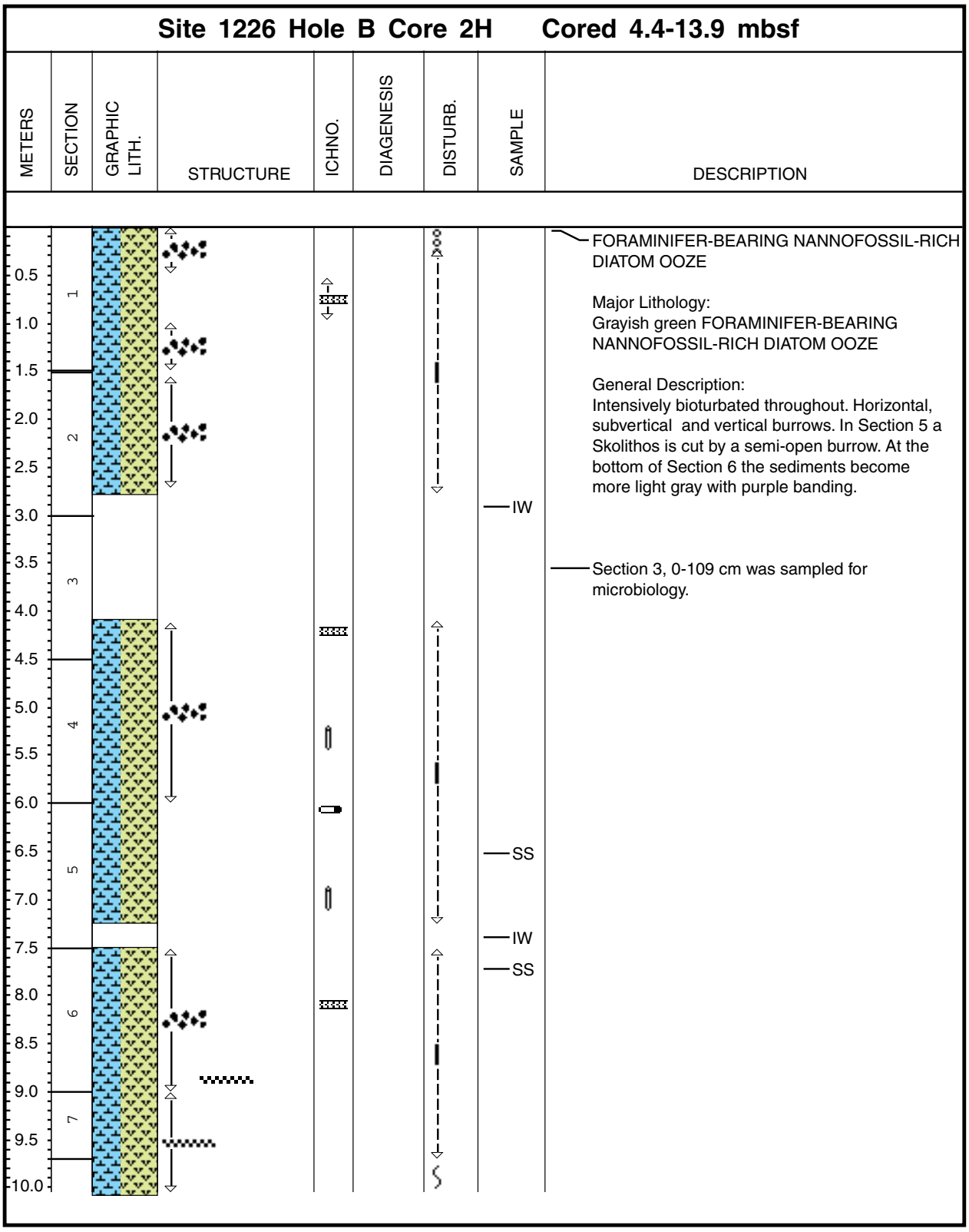
Core Photo


Site 1226 Hole A Core 1H Cored 0.0-9.5 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
PY
NANNOFOSSIL-RICH DIATOM OOZE
Major Lithology:
Green to grayish green NANNOFOSSIL-RICH DIATOM OOZE
General Description:
The grayish green sediment is partly mottled and is strongly influenced by burrowing. The core was overshot and the surface with the uppermost oxic sediments missing. The first 40 cm are rich in dark spots.
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
1
2
3
4
5
6
7

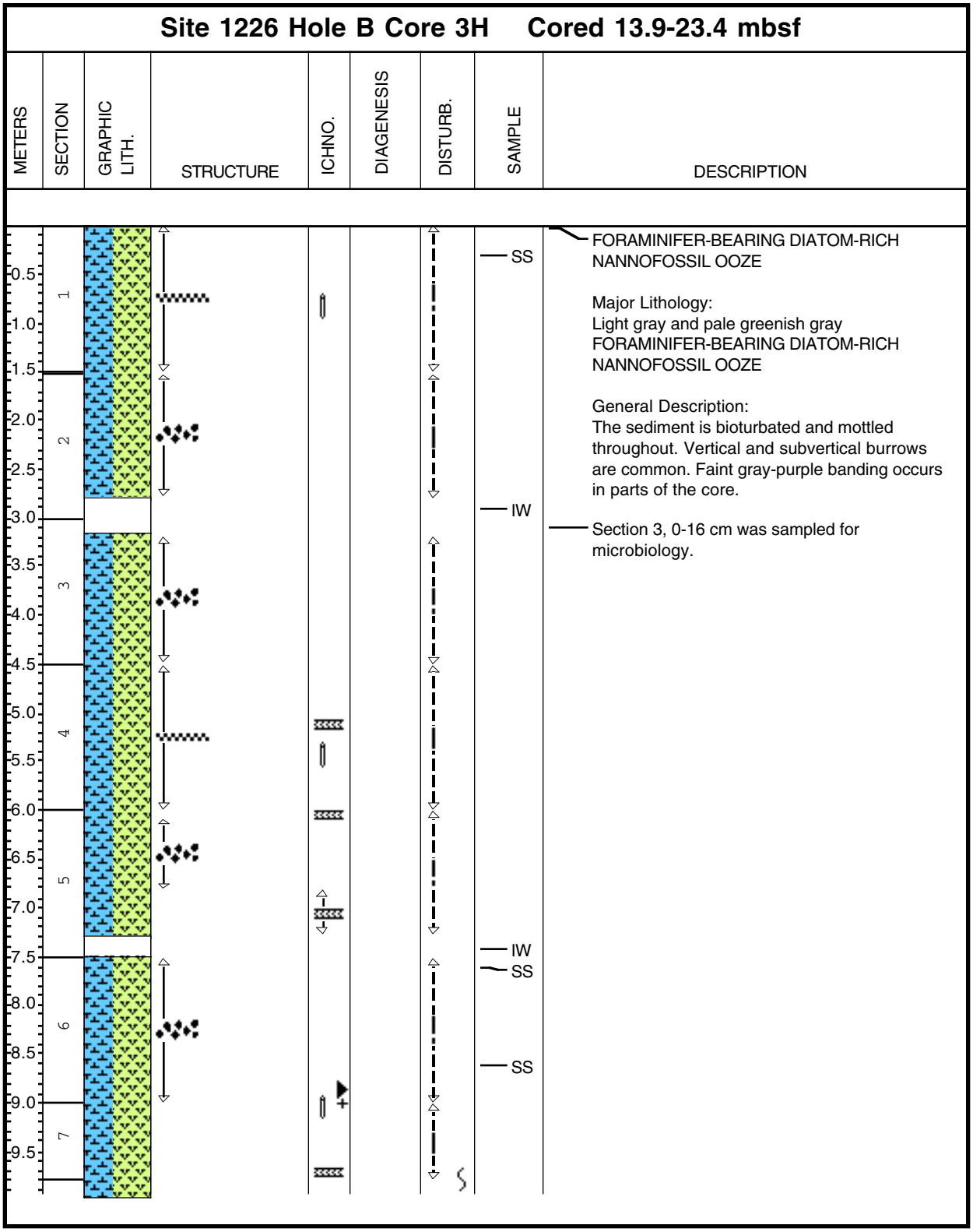
Core Photo


Site 1226 Hole B Core 1H Cored 0.0-4.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
1
2
3
XRD
IW
IW
NANNOFOSSIL-RICH DIATOM OOZE
Major Lithology:
Green to grayish green NANNOFOSSIL-RICH DIATOM OOZE
General Description:
The top 6 cm above the redox boundary shows a brown color. Below the green to grayish green sediment is slightly mottled. Open burrows, Zoophycos, and vertical burrows (Skolithos) are common throughout the core.

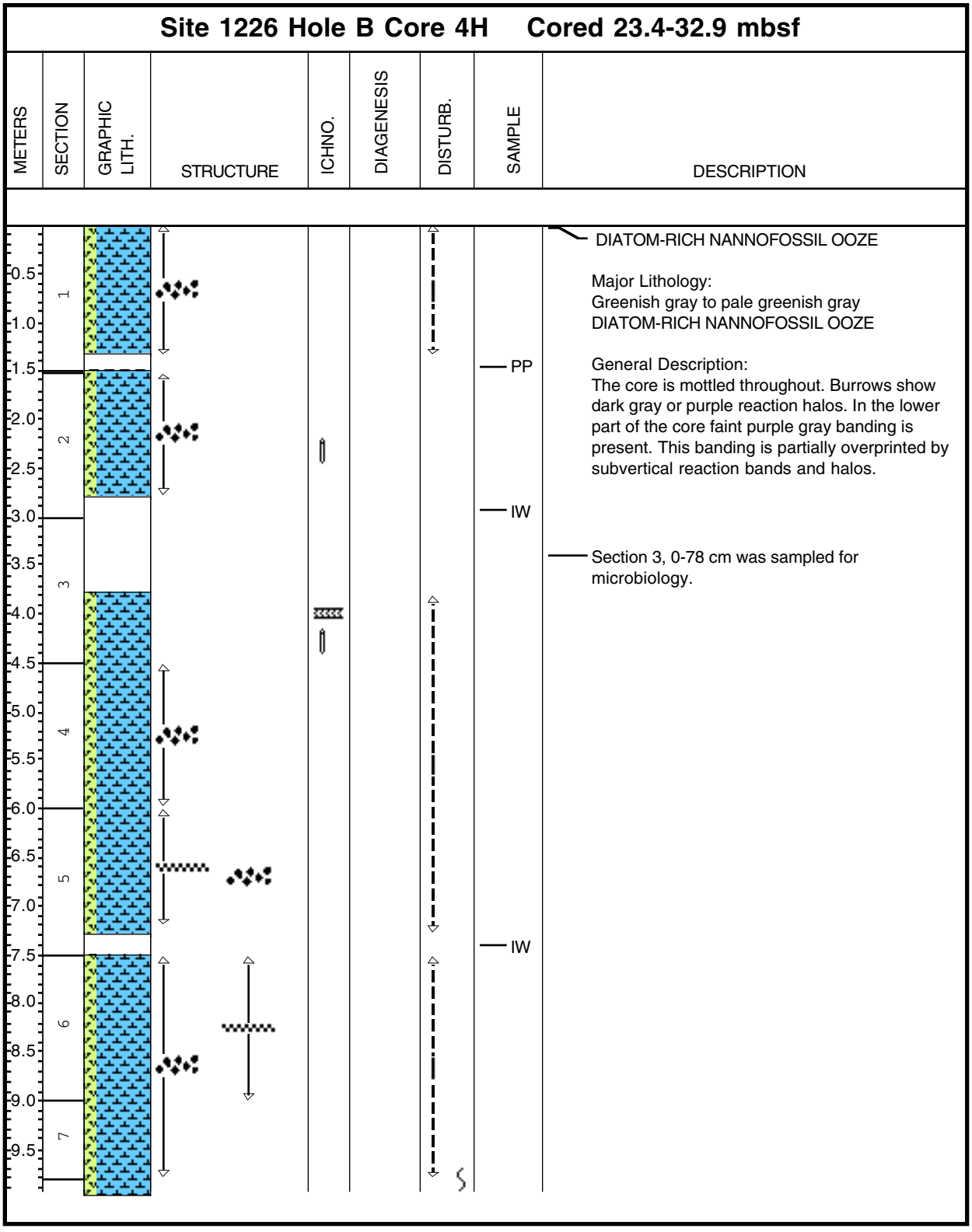
Core Photo


Site 1226 Hole B Core 2H Cored 4.4-13.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
SS
IW
SS
FORAMINIFER-BEARING NANNOFOSSIL-RICH DIATOM OOZE
Major Lithology:
Grayish green FORAMINIFER-BEARING NANNOFOSSIL-RICH DIATOM OOZE
General Description:
Intensively bioturbated throughout. Horizontal, subvertical and vertical burrows. In Section 5 a Skolithos is cut by a semi-open burrow. At the bottom of Section 6 the sediments become more light gray with purple banding.
Section 3, 0-109 cm was sampled for microbiology.

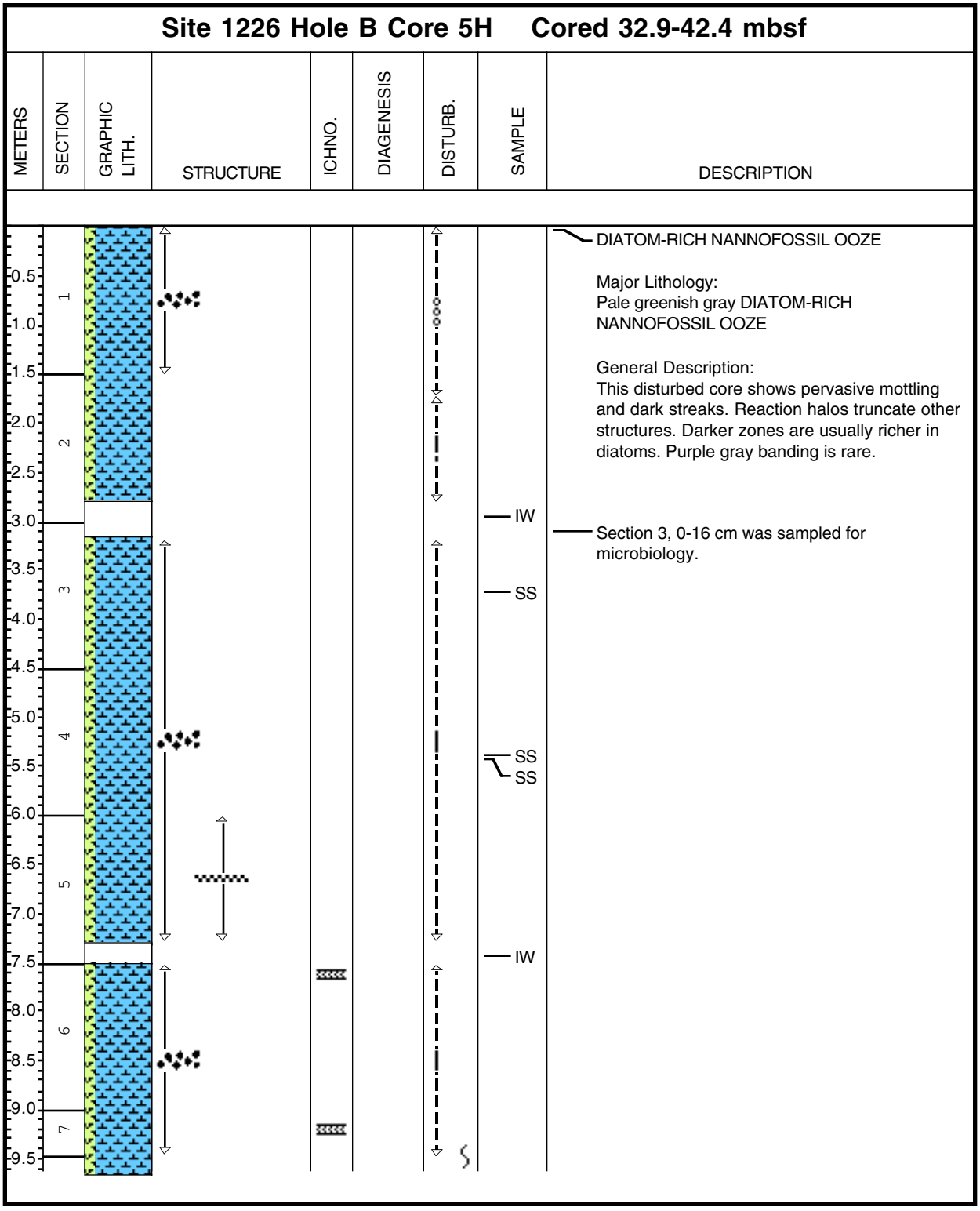
Core Photo


Site 1226 Hole B Core 3H Cored 13.9-23.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
SS
IW
IW
SS
SS
FORAMINIFER-BEARING DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Light gray and pale greenish gray FORAMINIFER-BEARING DIATOM-RICH NANNOFOSSIL OOZE
General Description:
The sediment is bioturbated and mottled throughout. Vertical and subvertical burrows are common. Faint gray-purple banding occurs in parts of the core.
Section 3, 0-16 cm was sampled for microbiology.

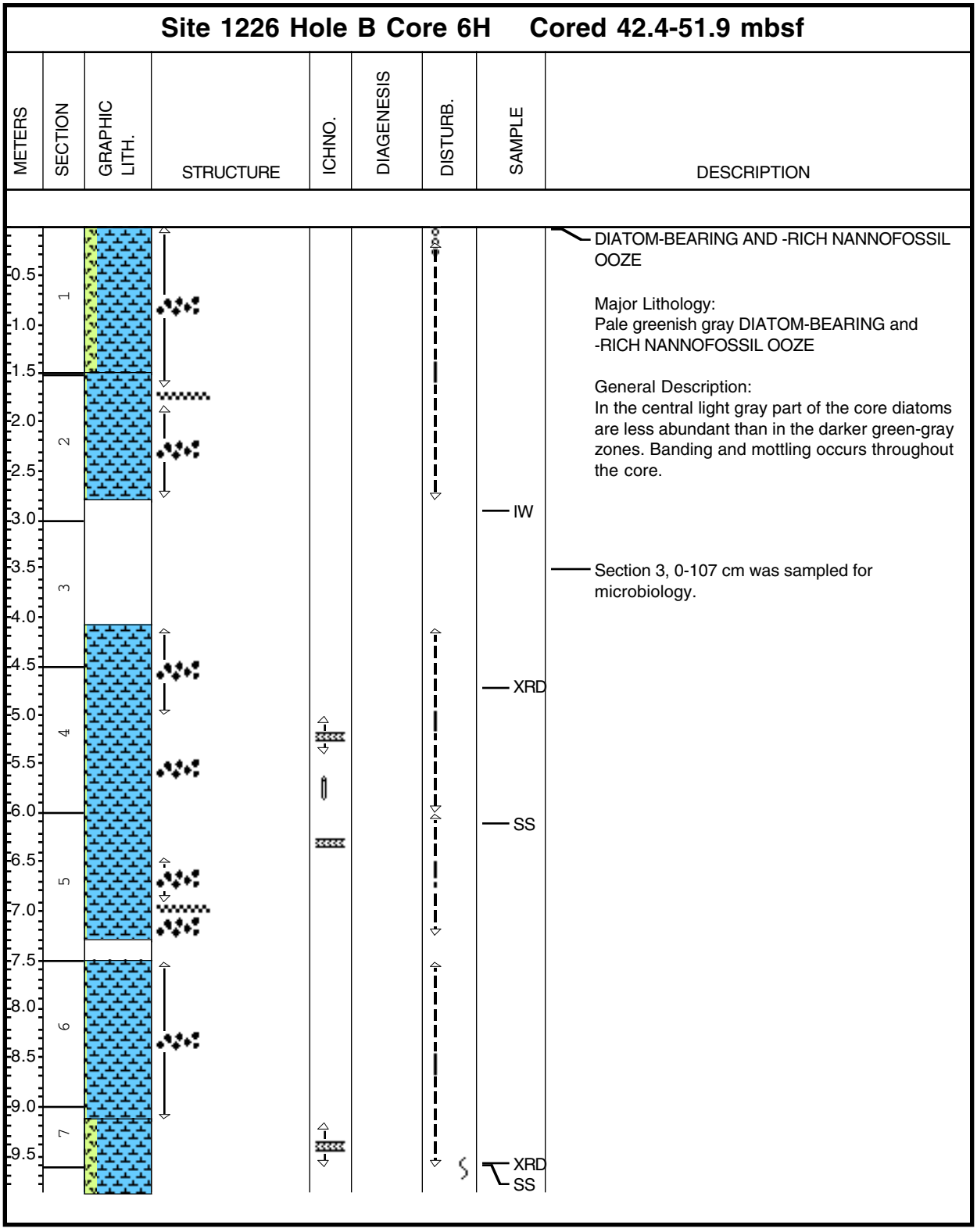
Core Photo


Site 1226 Hole B Core 4H Cored 23.4-32.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
PP
IW
IW
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Greenish gray to pale greenish gray
DIATOM-RICH NANNOFOSSIL OOZE
General Description:
The core is mottled throughout. Burrows show dark gray or purple reaction halos. In the lower part of the core faint purple gray banding is present. This banding is partially overprinted by subvertical reaction bands and halos.
Section 3, 0-78 cm was sampled for microbiology.

Core Photo


Site 1226 Hole B Core 5H Cored 32.9-42.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
SS
SS
SS
IW
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray DIATOM-RICH NANNOFOSSIL OOZE
General Description:
This disturbed core shows pervasive mottling and dark streaks. Reaction halos truncate other structures. Darker zones are usually richer in diatoms. Purple gray banding is rare.
Section 3, 0-16 cm was sampled for microbiology.

Core Photo


Site 1226 Hole B Core 6H Cored 42.4-51.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
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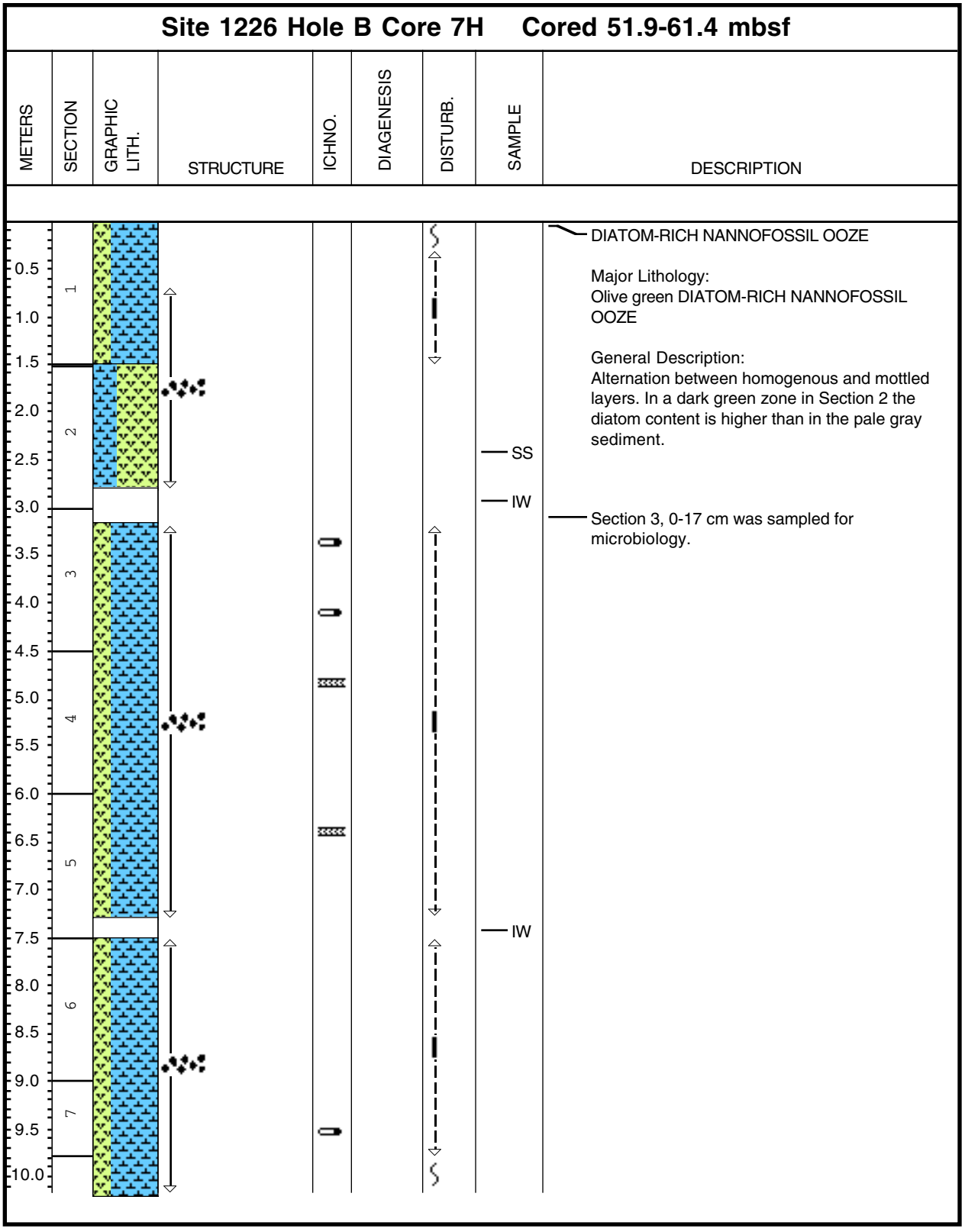
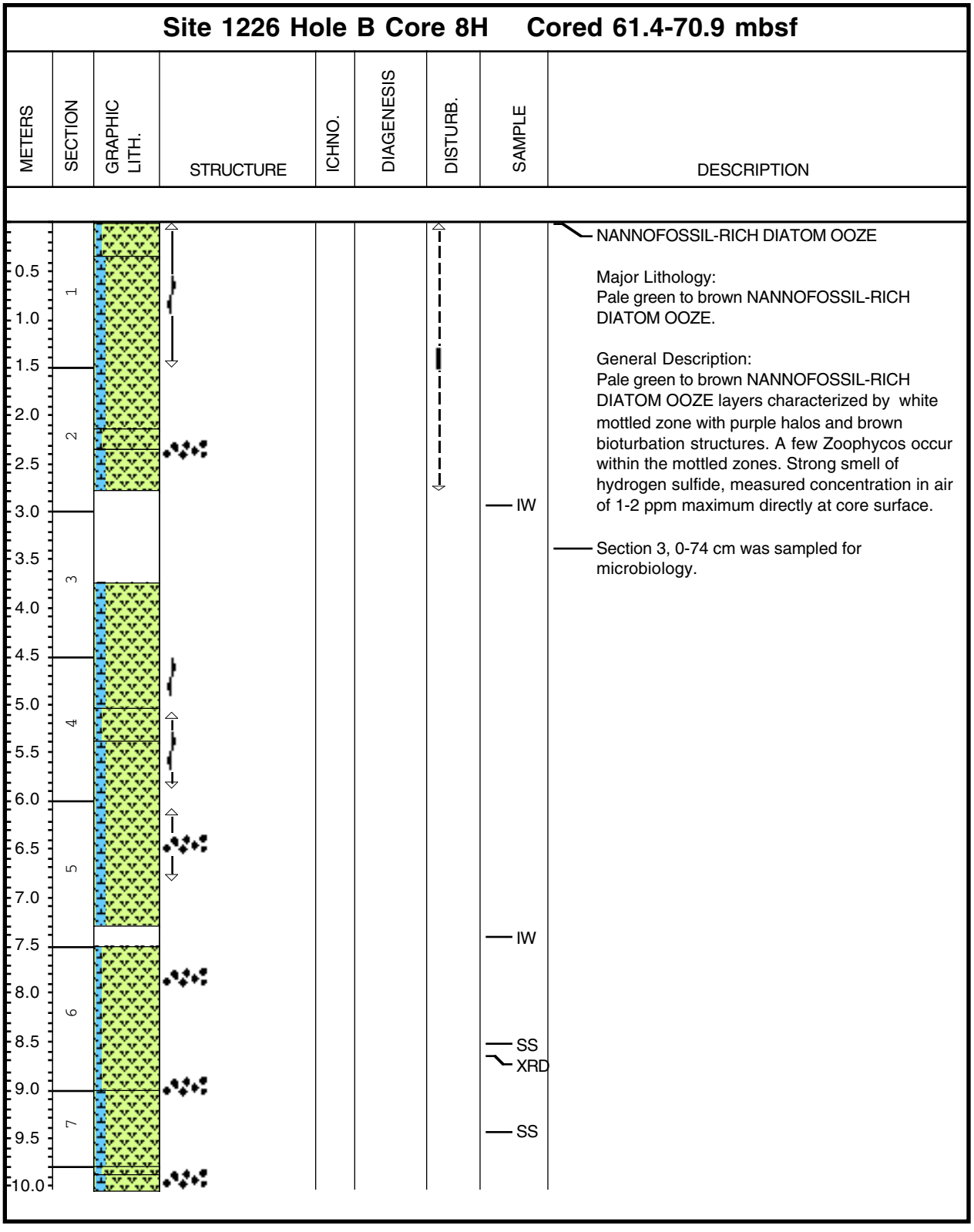
4
5
6
7
DIATOM-BEARING AND -RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray DIATOM-BEARING and -RICH NANNOFOSSIL OOZE
General Description:
In the central light gray part of the core diatoms are less abundant than in the darker green-gray zones. Banding and mottling occurs throughout the core.
IW
Section 3, 0-107 cm was sampled for microbiology.
XRD
SS
XRD
SS

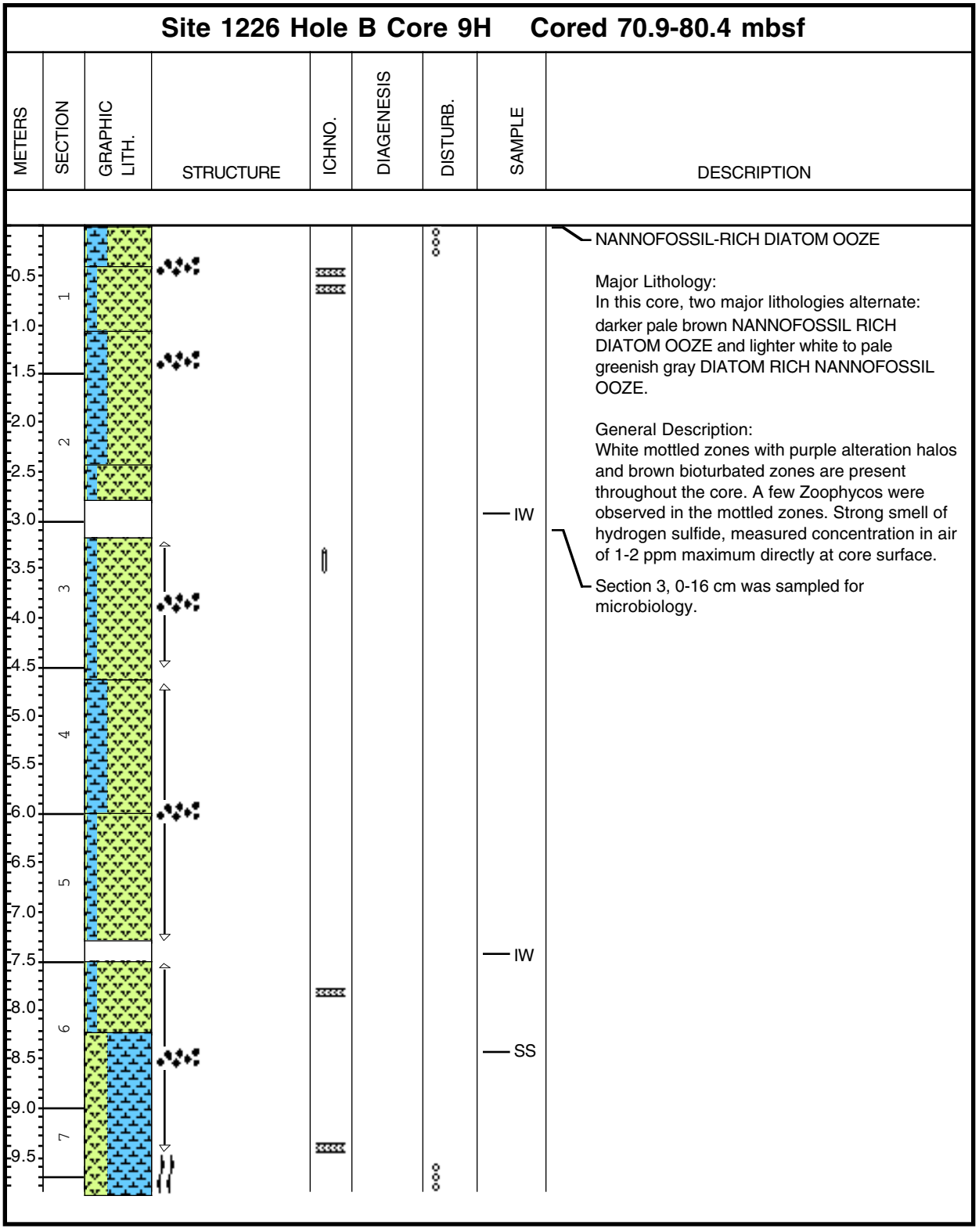
Core Photo


Site 1226 Hole B Core 7H Cored 51.9-61.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
SS
IW
IW
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Olive green DIATOM-RICH NANNOFOSSIL OOZE
General Description:
Alternation between homogenous and mottled layers. In a dark green zone in Section 2 the diatom content is higher than in the pale gray sediment.
Section 3, 0-17 cm was sampled for microbiology.

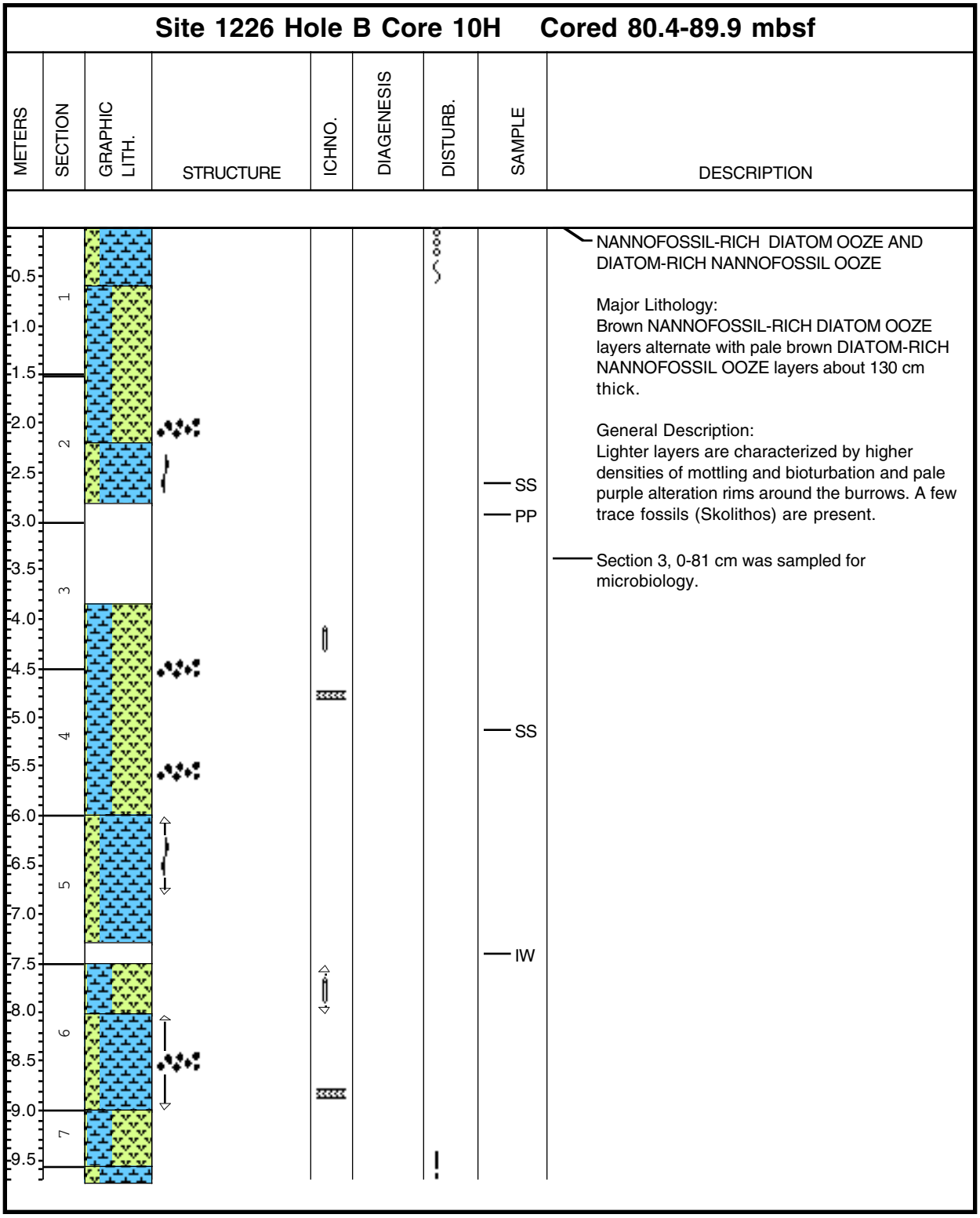
Core Photo


Site 1226 Hole B Core 8H Cored 61.4-70.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
IW
SS
XRD
SS
NANNOFOSSIL-RICH DIATOM OOZE
Major Lithology:
Pale green to brown NANNOFOSSIL-RICH DIATOM OOZE.
General Description:
Pale green to brown NANNOFOSSIL-RICH DIATOM OOZE layers characterized by white mottled zone with purple halos and brown bioturbation structures. A few Zoophycos occur within the mottled zones. Strong smell of hydrogen sulfide, measured concentration in air of 1-2 ppm maximum directly at core surface.
Section 3, 0-74 cm was sampled for microbiology.

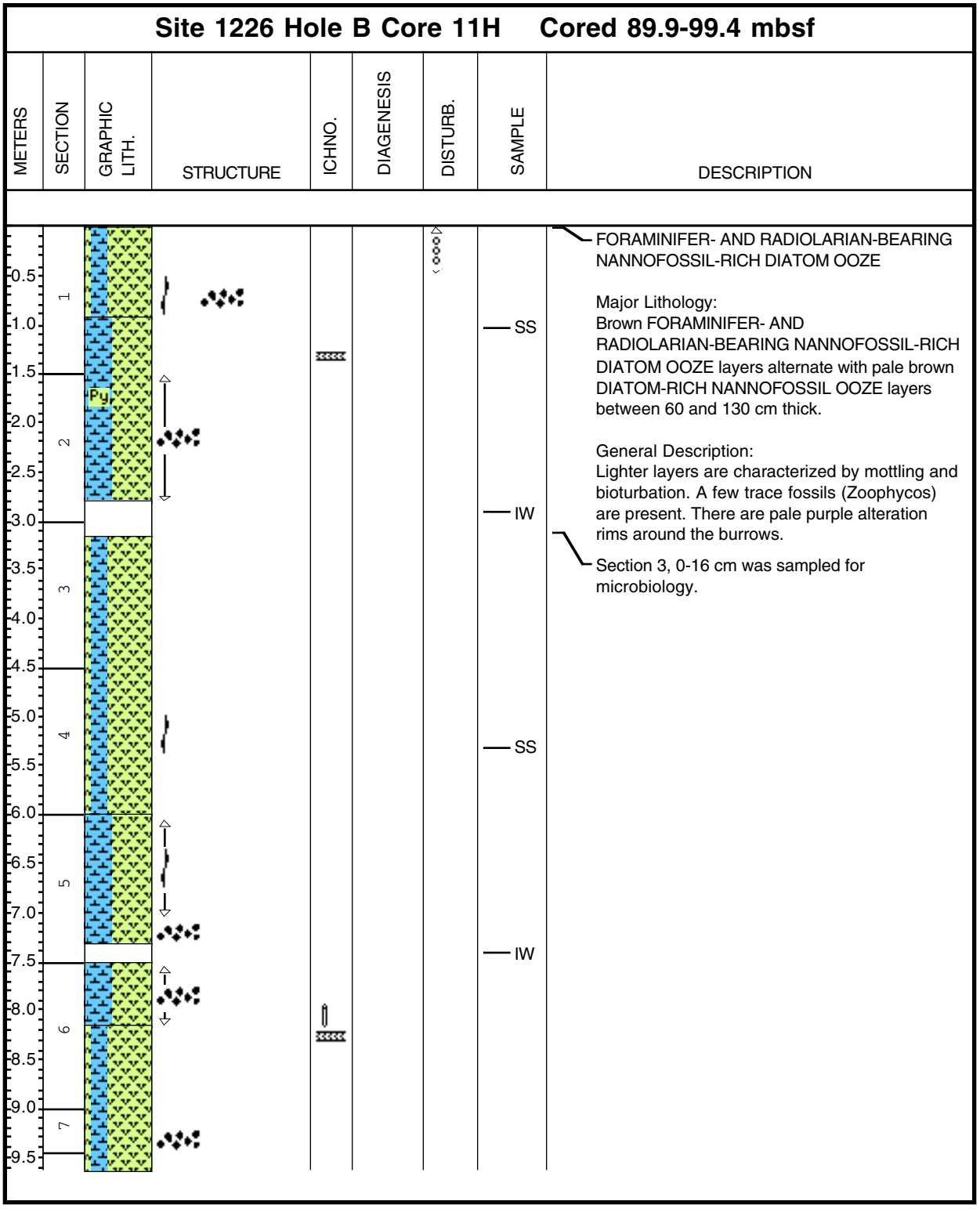
Core Photo


Site 1226 Hole B Core 9H Cored 70.9-80.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
IW
SS
NANNOFOSSIL-RICH DIATOM OOZE
Major Lithology:
In this core, two major lithologies alternate: darker pale brown NANNOFOSSIL RICH DIATOM OOZE and lighter white to pale greenish gray DIATOM RICH NANNOFOSSIL OOZE.
General Description:
White mottled zones with purple alteration halos and brown bioturbated zones are present throughout the core. A few Zoophycos were observed in the mottled zones. Strong smell of hydrogen sulfide, measured concentration in air of 1-2 ppm maximum directly at core surface.
Section 3, 0-16 cm was sampled for microbiology.

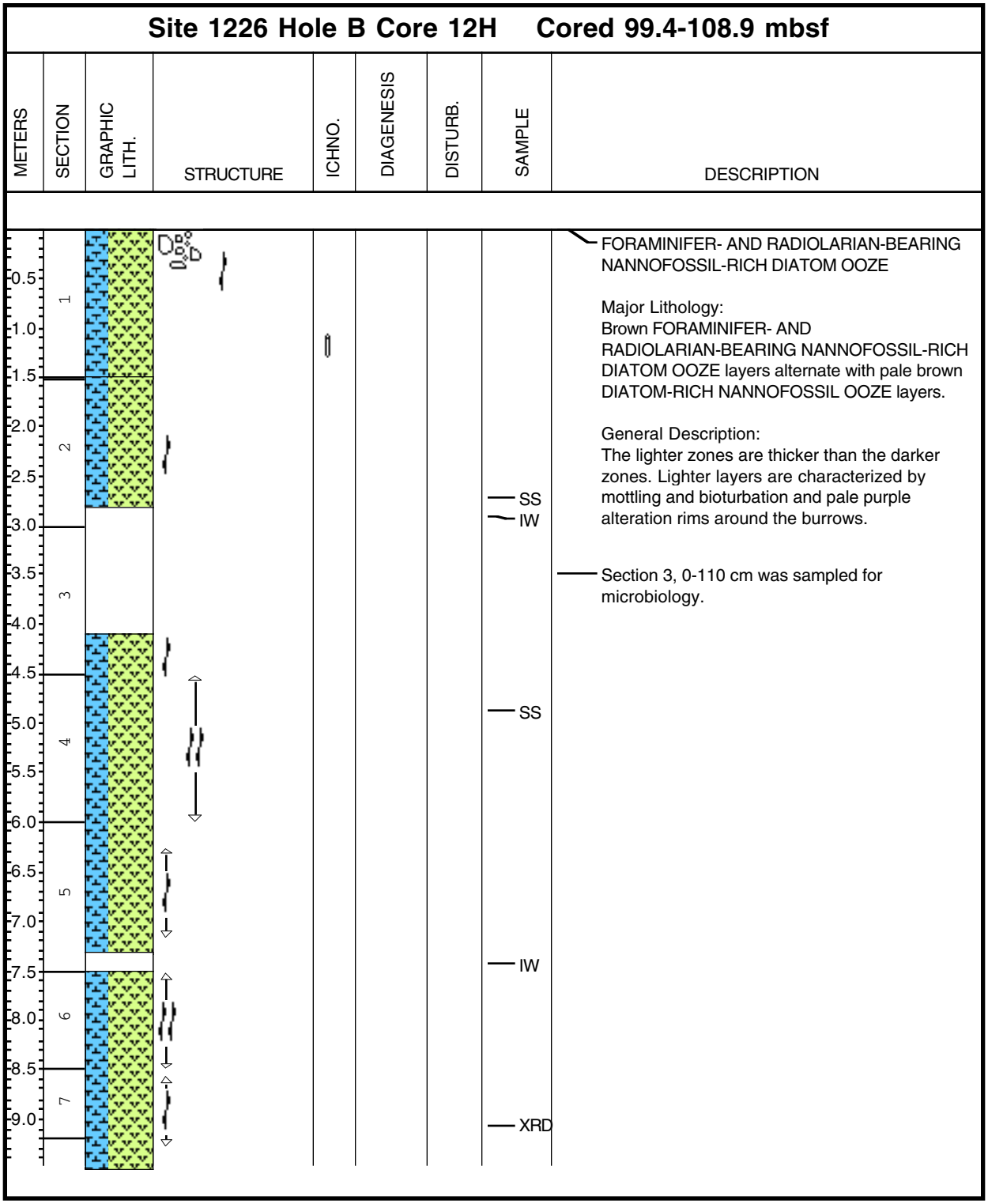
Core Photo


Site 1226 Hole B Core 10H Cored 80.4-89.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
SS
PP
SS
IW
NANNOFOSSIL-RICH DIATOM OOZE AND DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Brown NANNOFOSSIL-RICH DIATOM OOZE layers alternate with pale brown DIATOM-RICH NANNOFOSSIL OOZE layers about 130 cm thick.
General Description:
Lighter layers are characterized by higher densities of mottling and bioturbation and pale purple alteration rims around the burrows. A few trace fossils (Skolithos) are present.
Section 3, 0-81 cm was sampled for microbiology.

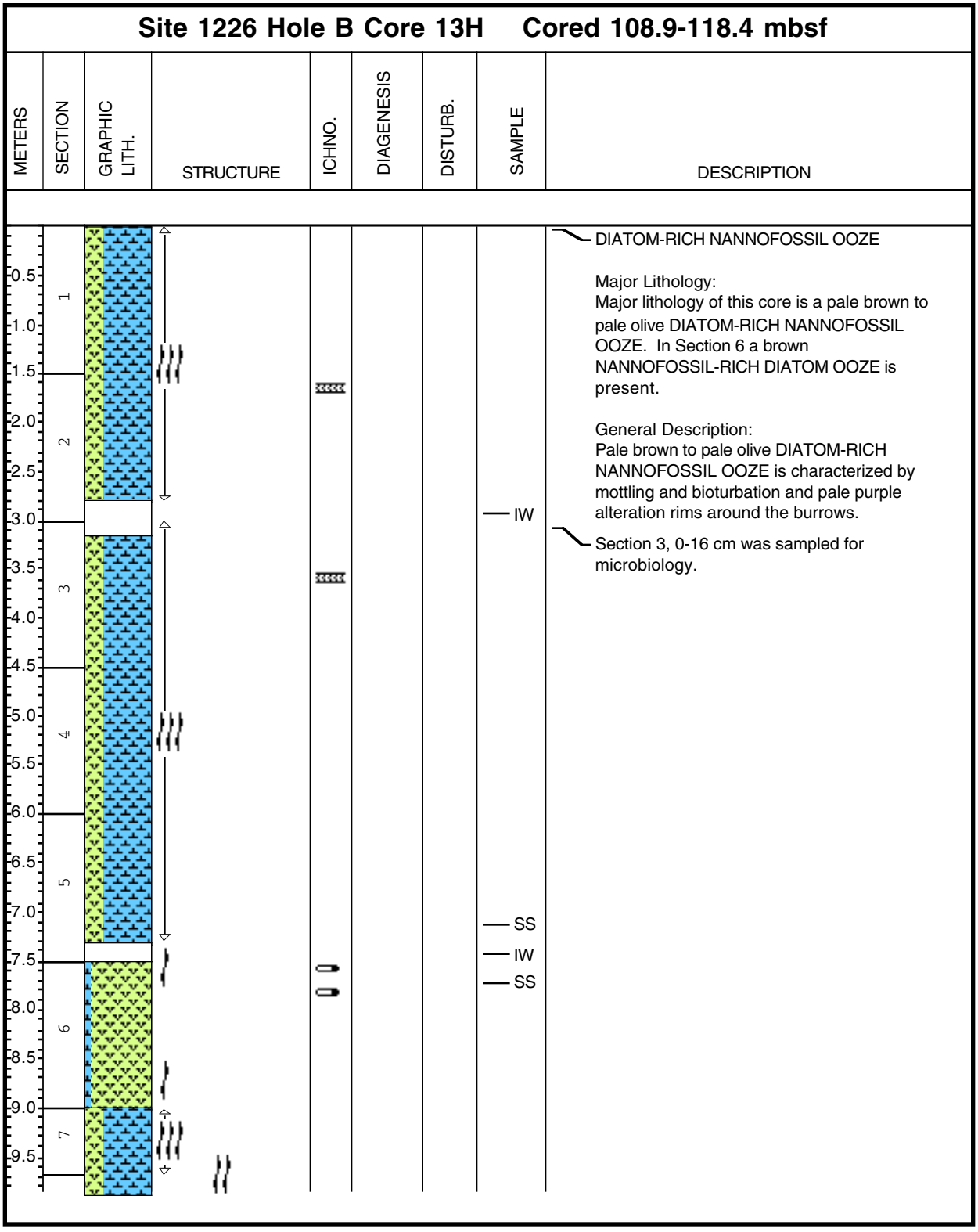
Core Photo


Site 1226 Hole B Core 11H Cored 89.9-99.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
Py
SS
IW
SS
IW
FORAMINIFER- AND RADIOLARIAN-BEARING NANNOFOSSIL-RICH DIATOM OOZE
Major Lithology:
Brown FORAMINIFER- AND RADIOLARIAN-BEARING NANNOFOSSIL-RICH DIATOM OOZE layers alternate with pale brown DIATOM-RICH NANNOFOSSIL OOZE layers between 60 and 130 cm thick.
General Description:
Lighter layers are characterized by mottling and bioturbation. A few trace fossils (Zoophycos) are present. There are pale purple alteration rims around the burrows.
Section 3, 0-16 cm was sampled for microbiology.

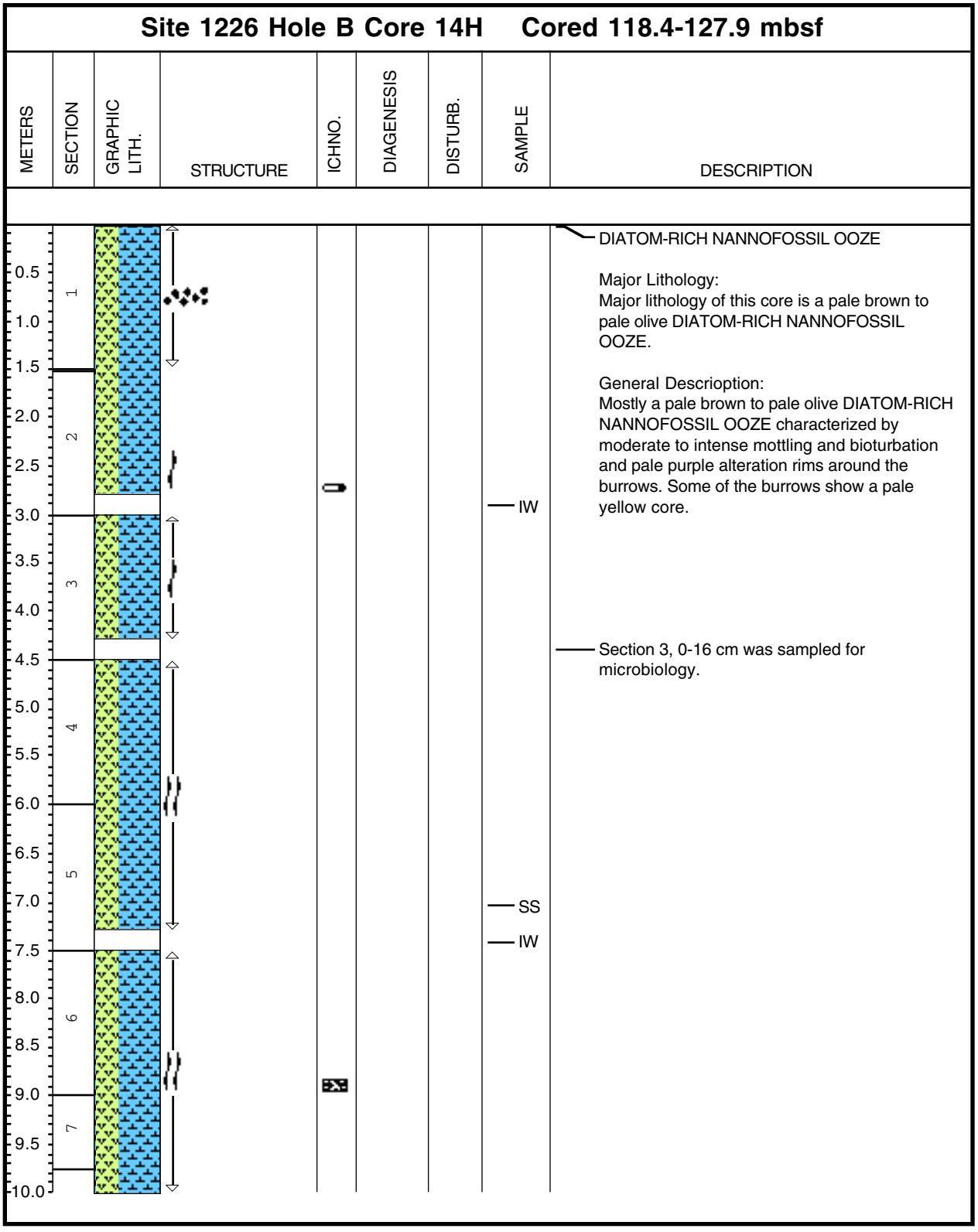
Core Photo


Site 1226 Hole B Core 12H Cored 99.4-108.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
1
2
3
4
5
6
7
SS
IW
SS
IW
XRD
FORAMINIFER- AND RADIOLARIAN-BEARING NANNOFOSSIL-RICH DIATOM OOZE
Major Lithology:
Brown FORAMINIFER- AND RADIOLARIAN-BEARING NANNOFOSSIL-RICH DIATOM OOZE layers alternate with pale brown DIATOM-RICH NANNOFOSSIL OOZE layers.
General Description:
The lighter zones are thicker than the darker zones. Lighter layers are characterized by mottling and bioturbation and pale purple alteration rims around the burrows.
Section 3, 0-110 cm was sampled for microbiology.

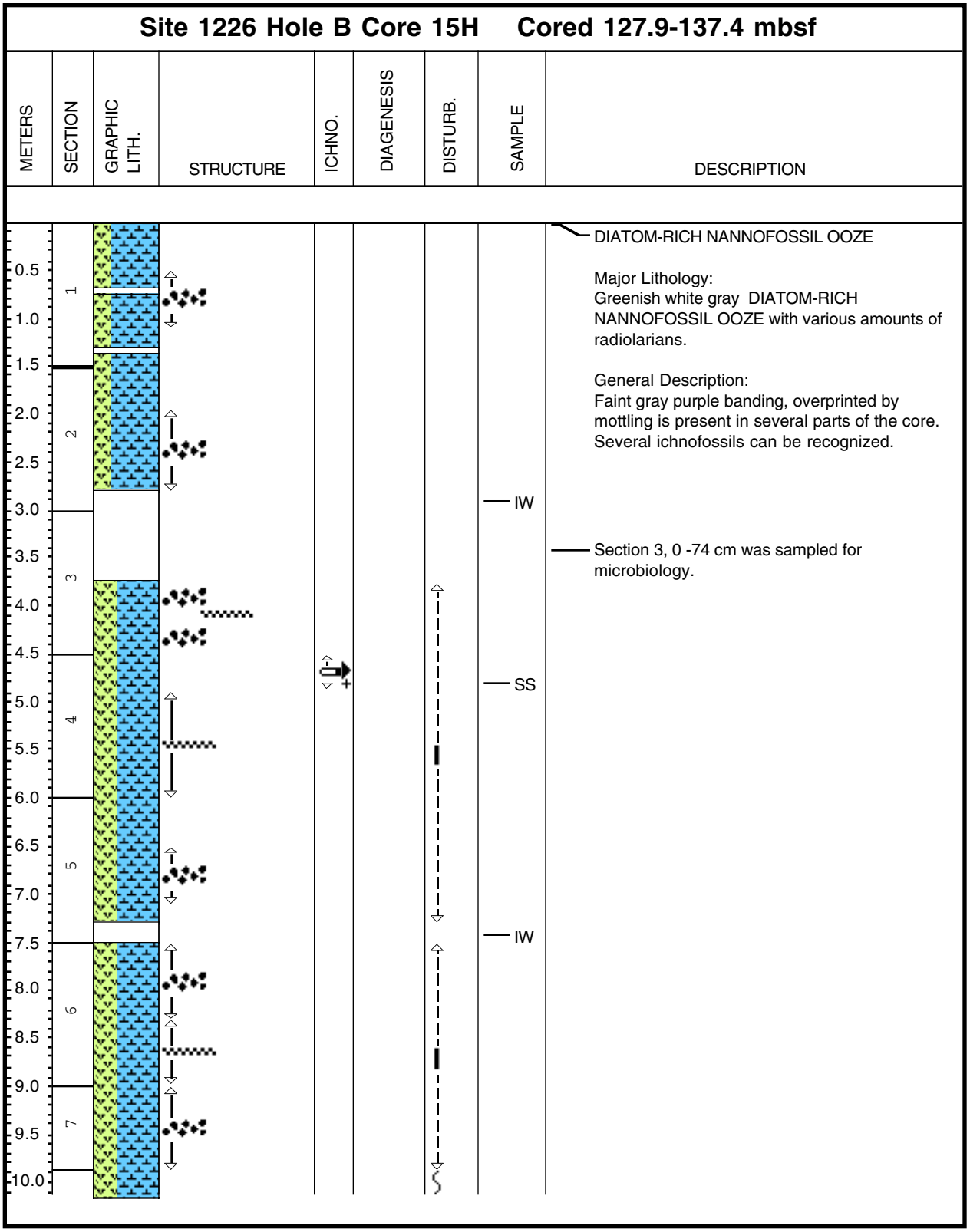
Core Photo


Site 1226 Hole B Core 13H Cored 108.9-118.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
SS
IW
SS
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Major lithology of this core is a pale brown to pale olive DIATOM-RICH NANNOFOSSIL OOZE. In Section 6 a brown NANNOFOSSIL-RICH DIATOM OOZE is present.
General Description:
Pale brown to pale olive DIATOM-RICH NANNOFOSSIL OOZE is characterized by mottling and bioturbation and pale purple alteration rims around the burrows.
Section 3, 0-16 cm was sampled for microbiology.

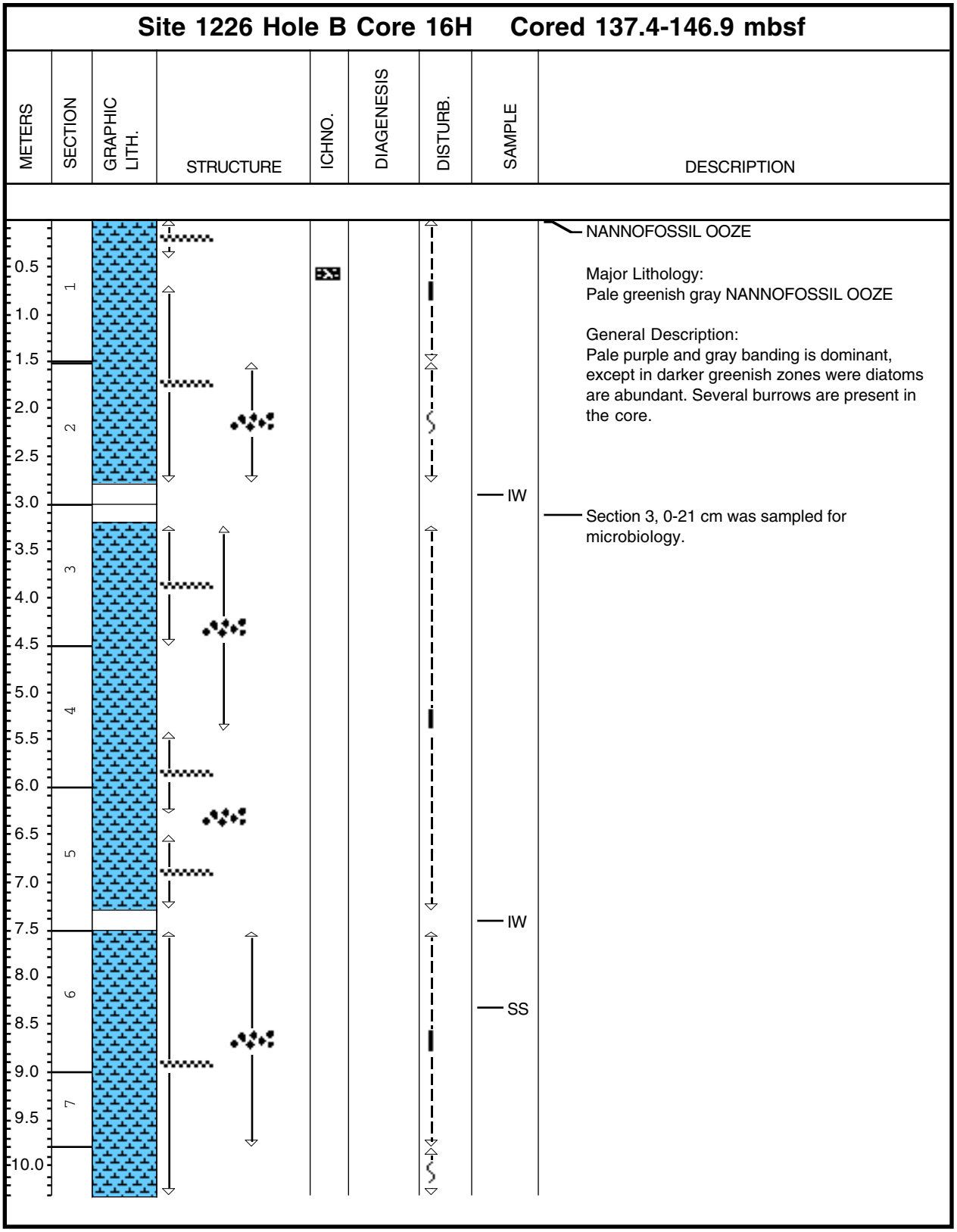
Core Photo


Site 1226 Hole B Core 14H Cored 118.4-127.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
SS
IW
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Major lithology of this core is a pale brown to pale olive DIATOM-RICH NANNOFOSSIL OOZE.
General Descriopption:
Mostly a pale brown to pale olive DIATOM-RICH NANNOFOSSIL OOZE characterized by moderate to intense mottling and bioturbation and pale purple alteration rims around the burrows. Some of the burrows show a pale yellow core.
Section 3, 0-16 cm was sampled for microbiology.

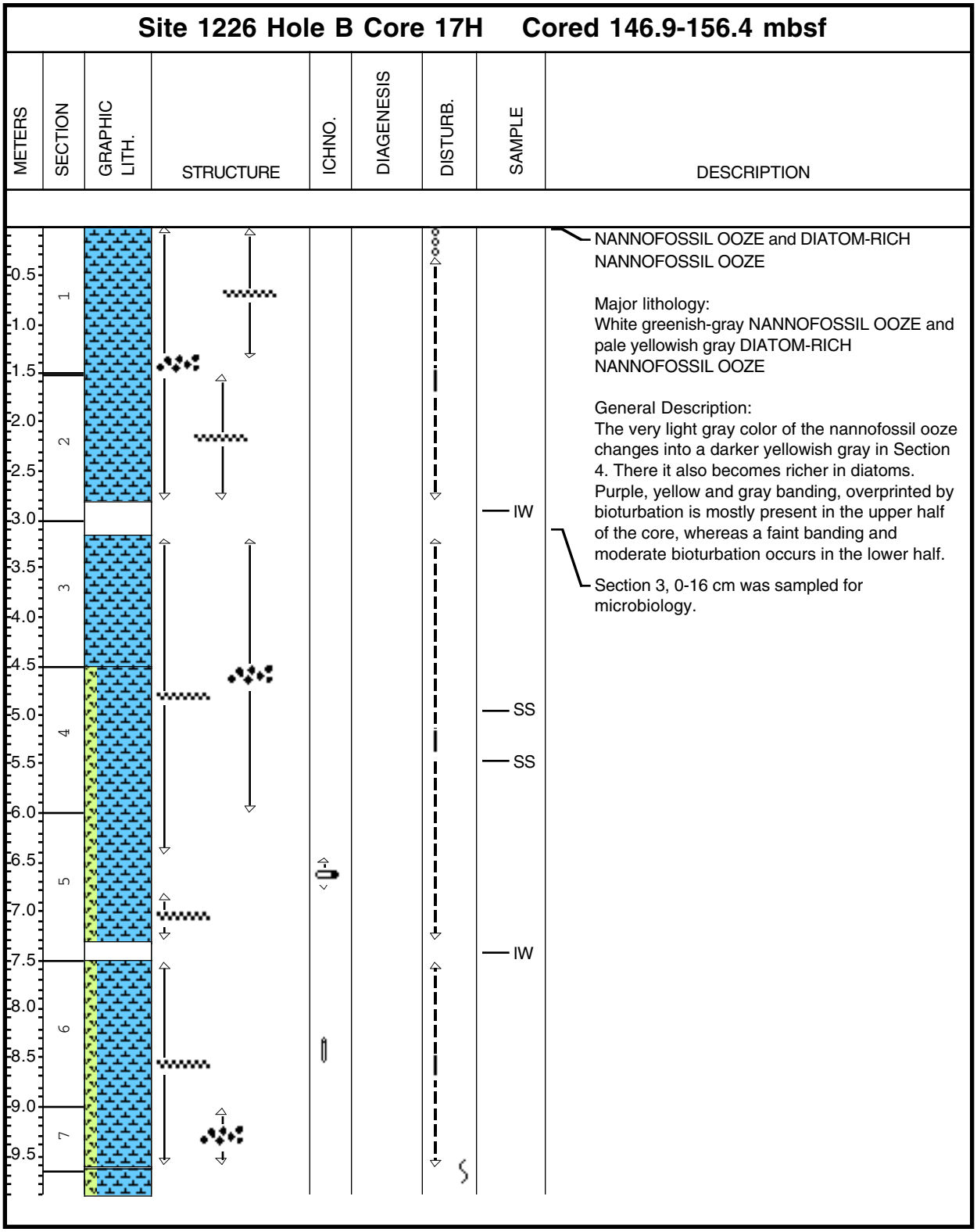
Core Photo


Site 1226 Hole B Core 15H Cored 127.9-137.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
SS
IW
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Greenish white gray DIATOM-RICH NANNOFOSSIL OOZE with various amounts of radiolarians.
General Description:
Faint gray purple banding, overprinted by mottling is present in several parts of the core. Several ichnofossils can be recognized.
Section 3, 0 -74 cm was sampled for microbiology.

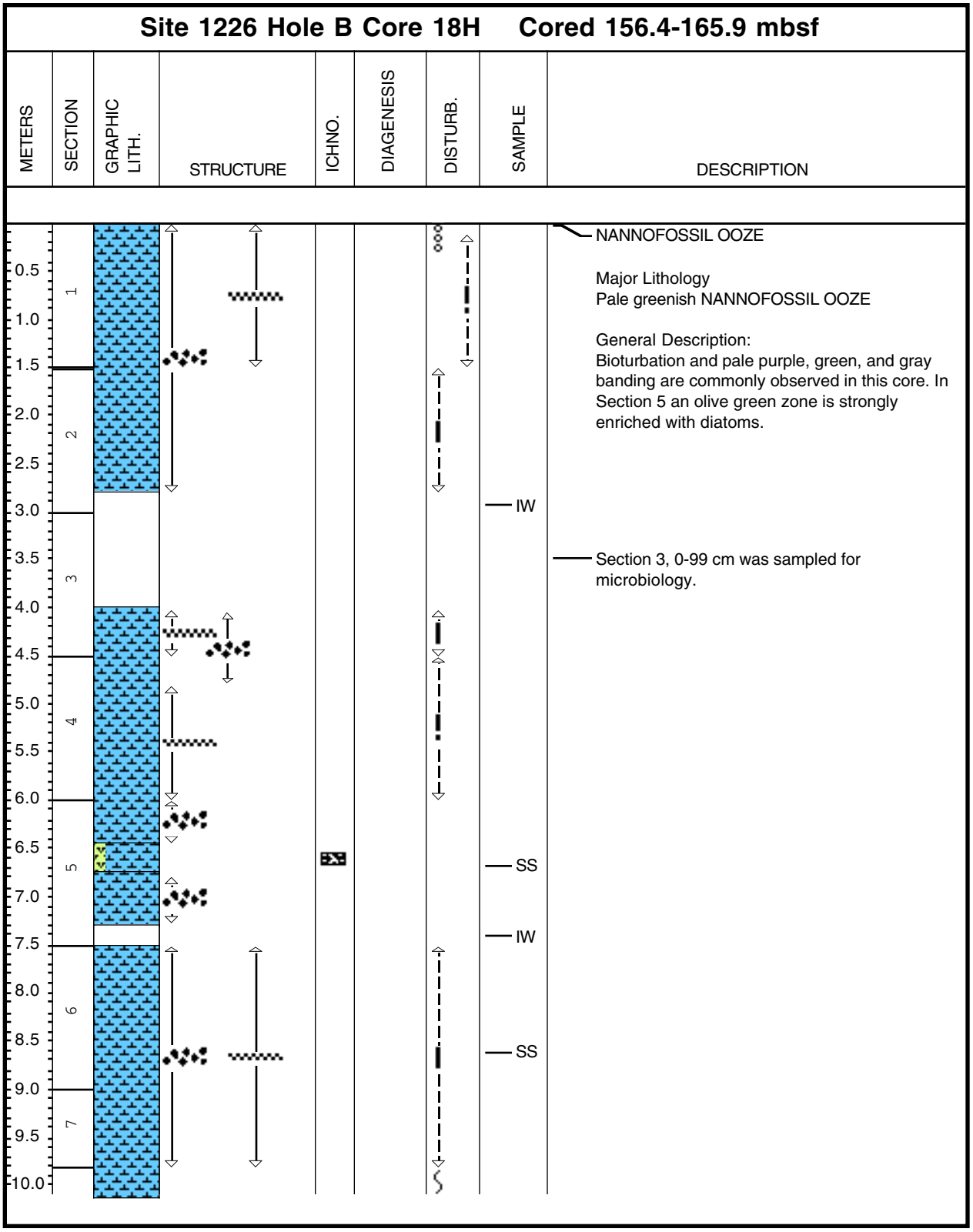
Core Photo


Site 1226 Hole B Core 16H Cored 137.4-146.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
IW
SS
NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray NANNOFOSSIL OOZE
General Description:
Pale purple and gray banding is dominant, except in darker greenish zones were diatoms are abundant. Several burrows are present in the core.
Section 3, 0-21 cm was sampled for microbiology.

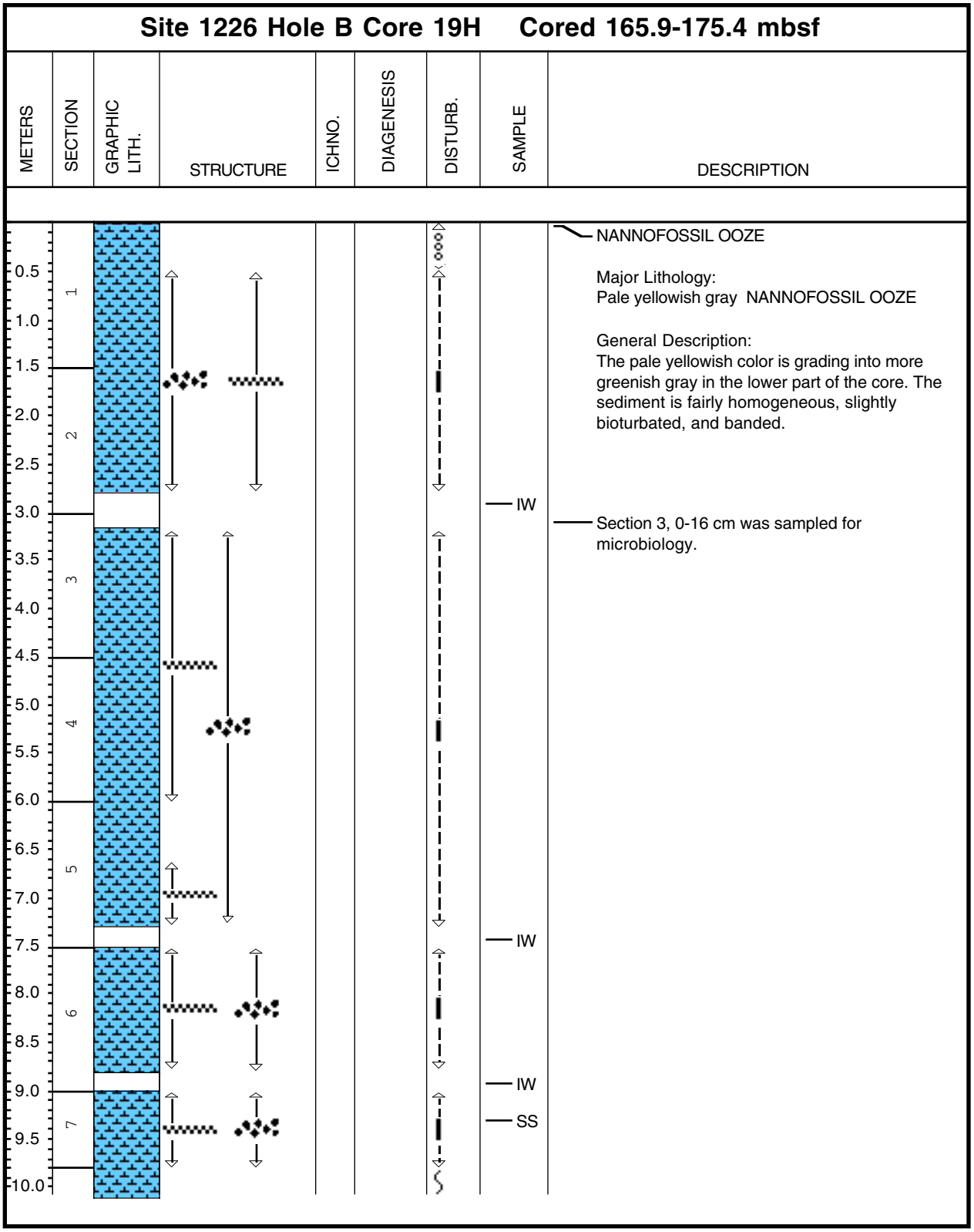
Core Photo


Site 1226 Hole B Core 17H Cored 146.9-156.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
SS
SS
IW
NANNOFOSSIL OOZE and DIATOM-RICH NANNOFOSSIL OOZE
Major lithology:
White greenish-gray NANNOFOSSIL OOZE and pale yellowish gray DIATOM-RICH NANNOFOSSIL OOZE
General Description:
The very light gray color of the nannofossil ooze changes into a darker yellowish gray in Section 4. There it also becomes richer in diatoms. Purple, yellow and gray banding, overprinted by bioturbation is mostly present in the upper half of the core, whereas a faint banding and moderate bioturbation occurs in the lower half.
Section 3, 0-16 cm was sampled for microbiology.

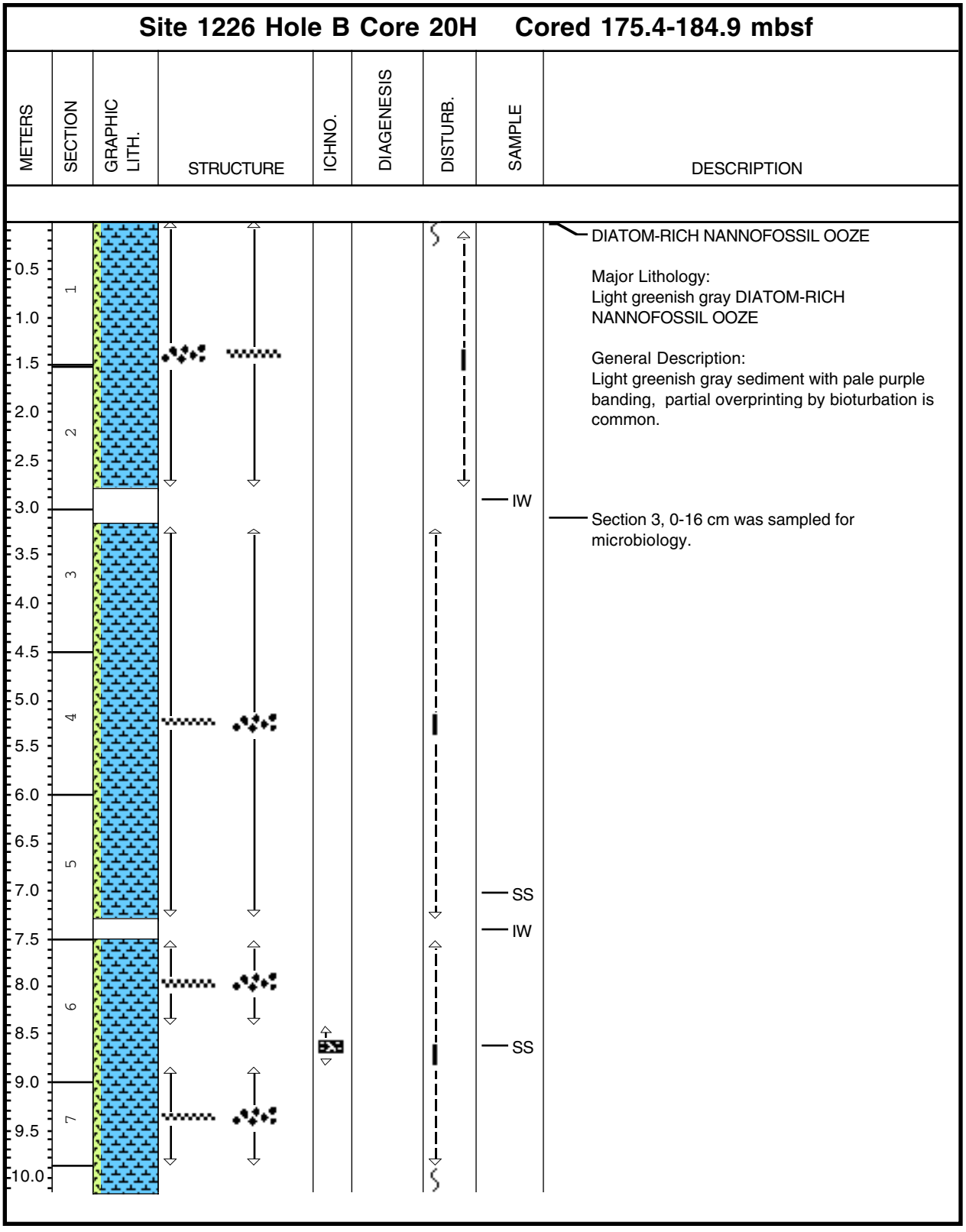
Core Photo


Site 1226 Hole B Core 18H Cored 156.4-165.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
SS
IW
SS
NANNOFOSSIL OOZE
Major Lithology
Pale greenish NANNOFOSSIL OOZE
General Description:
Bioturbation and pale purple, green, and gray banding are commonly observed in this core. In Section 5 an olive green zone is strongly enriched with diatoms.
Section 3, 0-99 cm was sampled for microbiology.

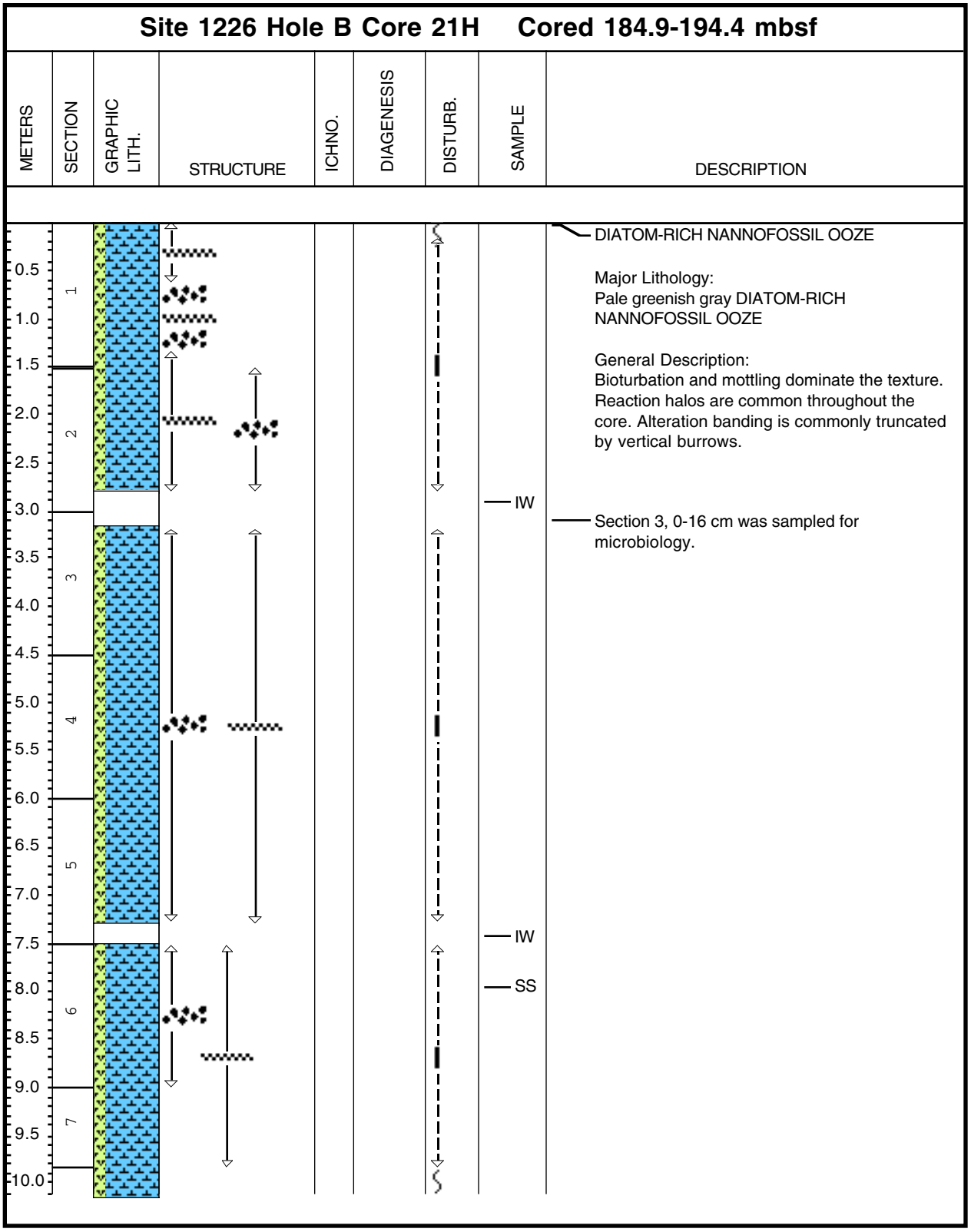
Core Photo


Site 1226 Hole B Core 19H Cored 165.9-175.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
IW
IW
SS
NANNOFOSSIL OOZE
Major Lithology:
Pale yellowish gray NANNOFOSSIL OOZE
General Description:
The pale yellowish color is grading into more greenish gray in the lower part of the core. The sediment is fairly homogeneous, slightly bioturbated, and banded.
Section 3, 0-16 cm was sampled for microbiology.

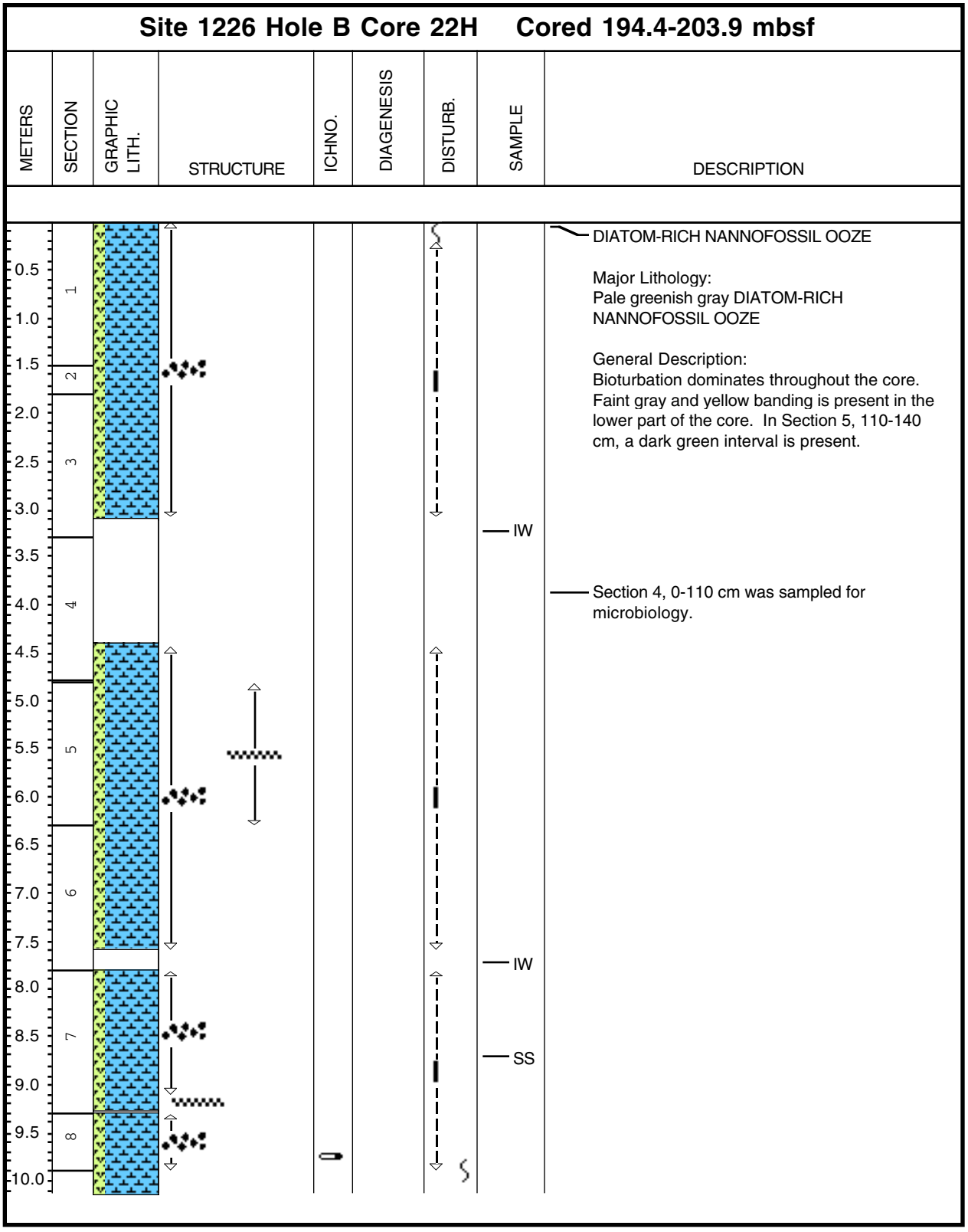
Core Photo


Site 1226 Hole B Core 20H Cored 175.4-184.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
SS
IW
SS
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Light greenish gray DIATOM-RICH NANNOFOSSIL OOZE
General Description:
Light greenish gray sediment with pale purple banding, partial overprinting by bioturbation is common.
Section 3, 0-16 cm was sampled for microbiology.

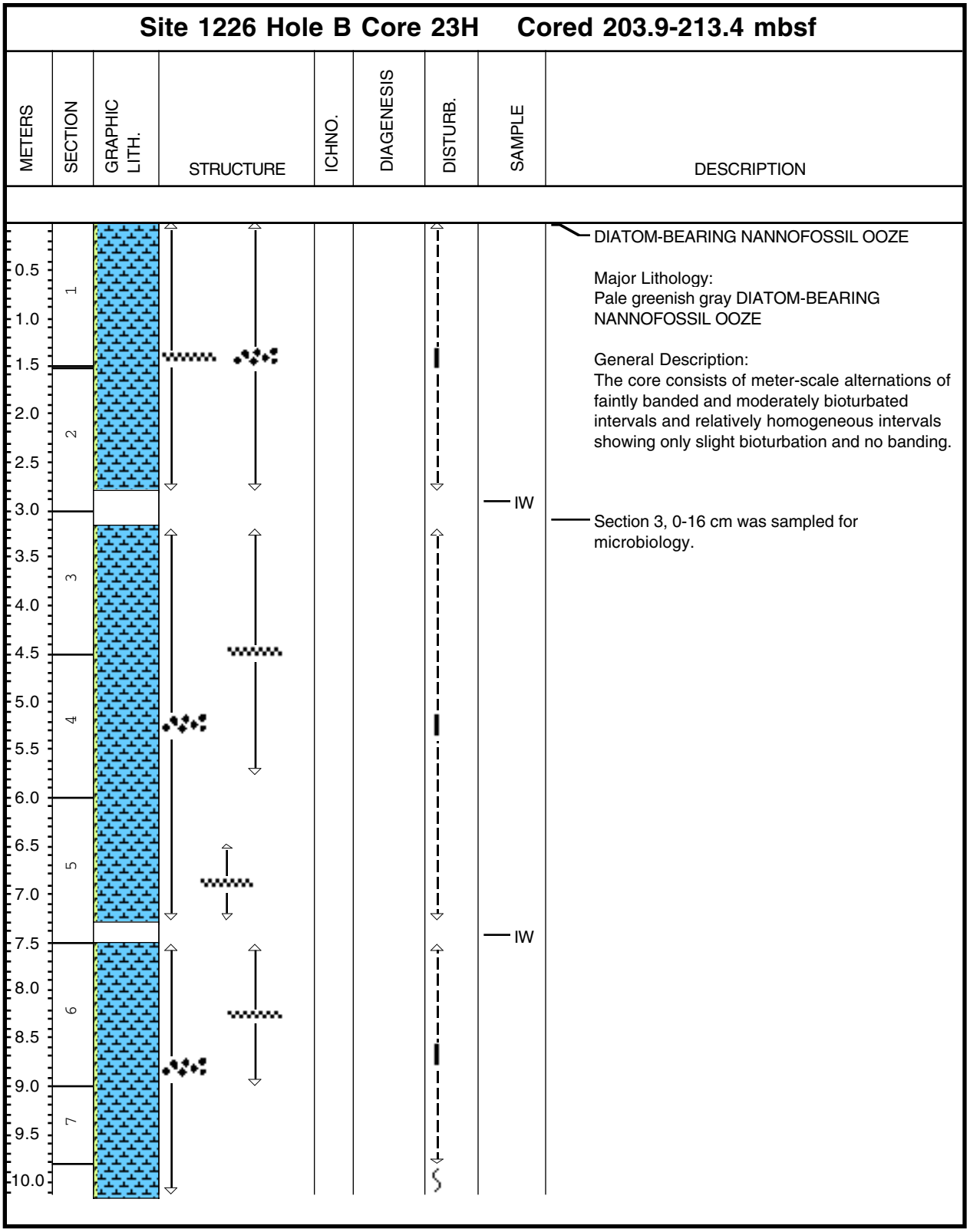
Core Photo


Site 1226 Hole B Core 21H Cored 184.9-194.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
IW
SS
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray DIATOM-RICH NANNOFOSSIL OOZE
General Description:
Bioturbation and mottling dominate the texture. Reaction halos are common throughout the core. Alteration banding is commonly truncated by vertical burrows.
Section 3, 0-16 cm was sampled for microbiology.

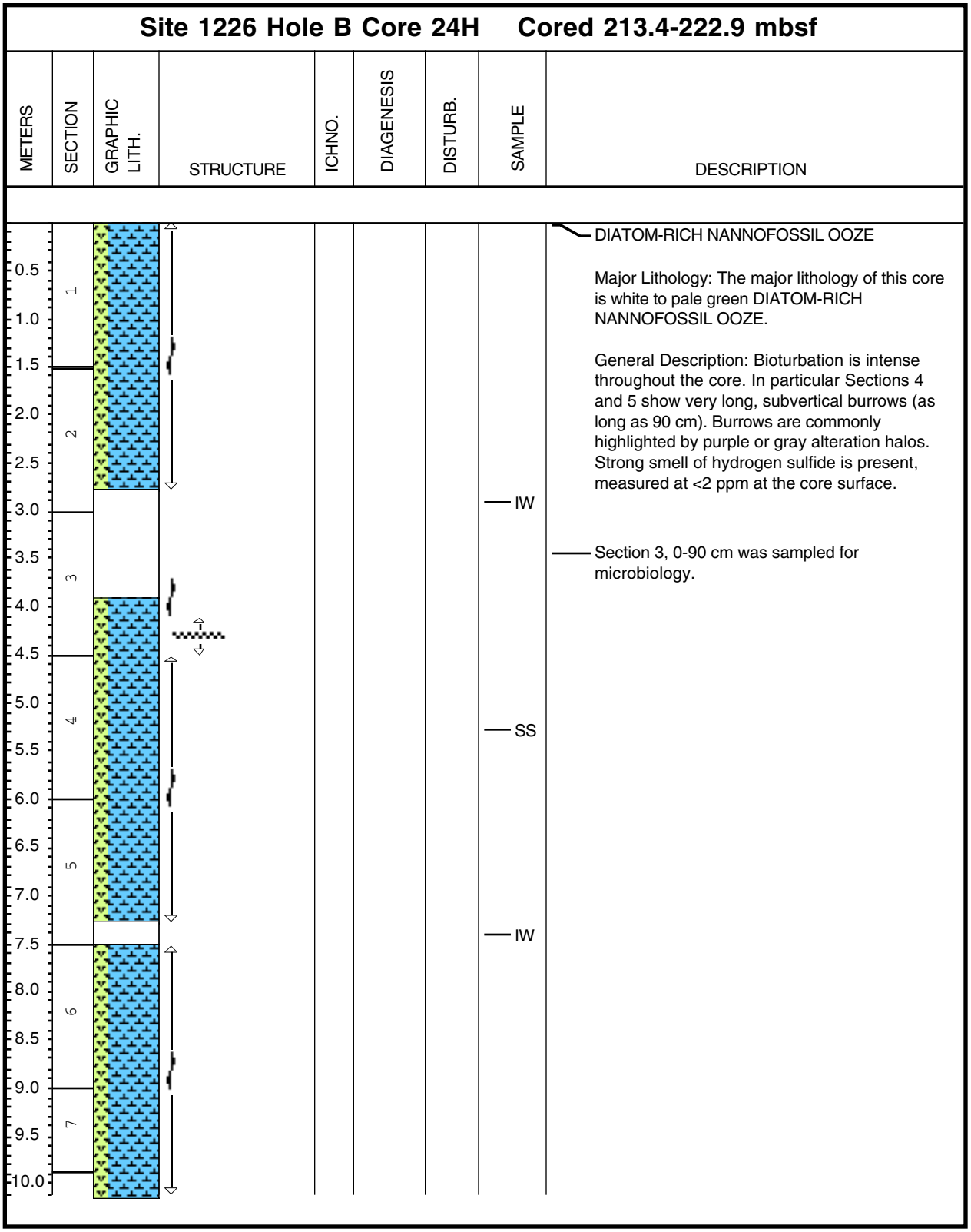
Core Photo


Site 1226 Hole B Core 22H Cored 194.4-203.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
8
IW
IW
SS
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray DIATOM-RICH NANNOFOSSIL OOZE
General Description:
Bioturbation dominates throughout the core. Faint gray and yellow banding is present in the lower part of the core. In Section 5, 110-140 cm, a dark green interval is present.
Section 4, 0-110 cm was sampled for microbiology.

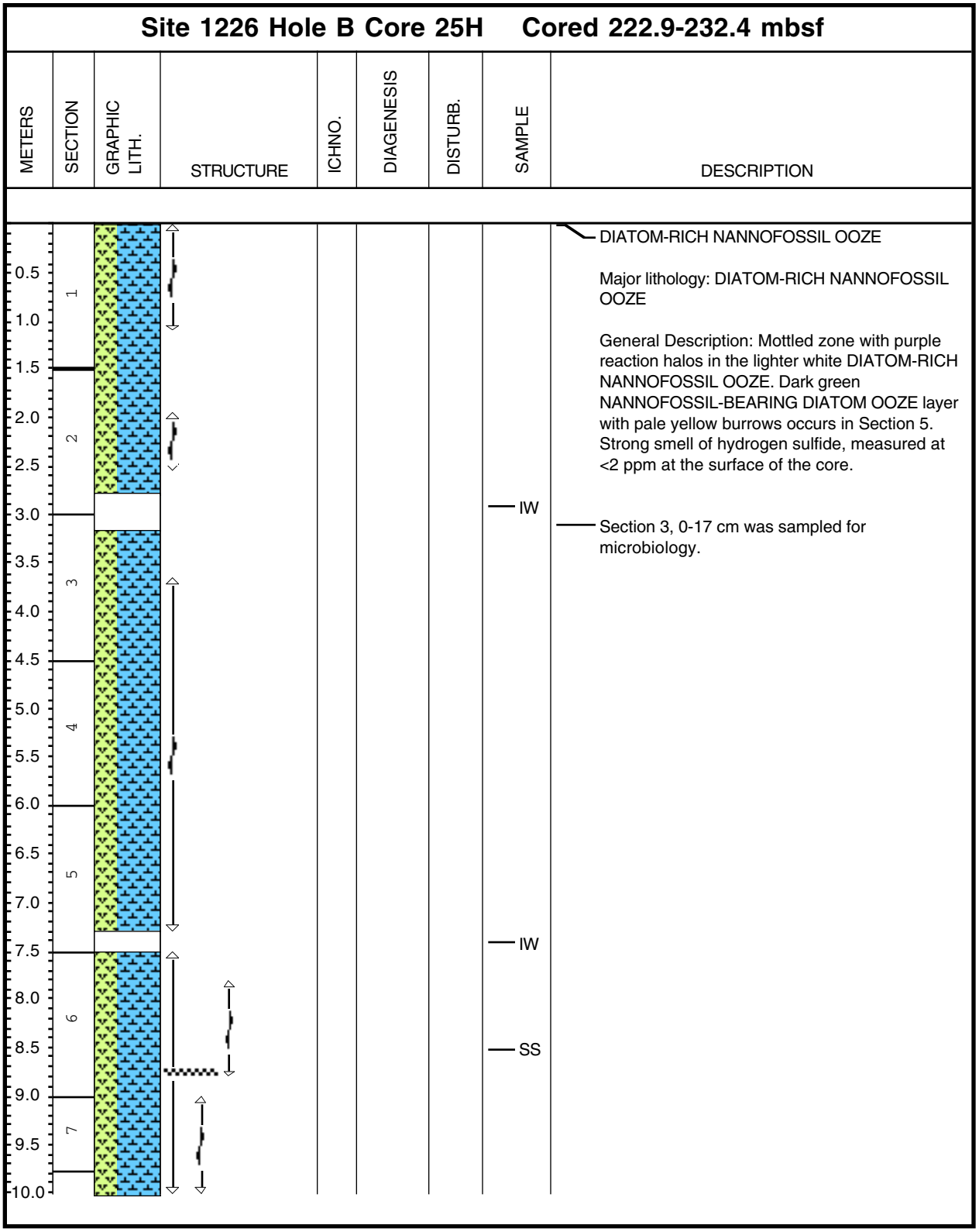
Core Photo


Site 1226 Hole B Core 23H Cored 203.9-213.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
IW
DIATOM-BEARING NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray DIATOM-BEARING NANNOFOSSIL OOZE
General Description:
The core consists of meter-scale alternations of faintly banded and moderately bioturbated intervals and relatively homogeneous intervals showing only slight bioturbation and no banding.
Section 3, 0-16 cm was sampled for microbiology.

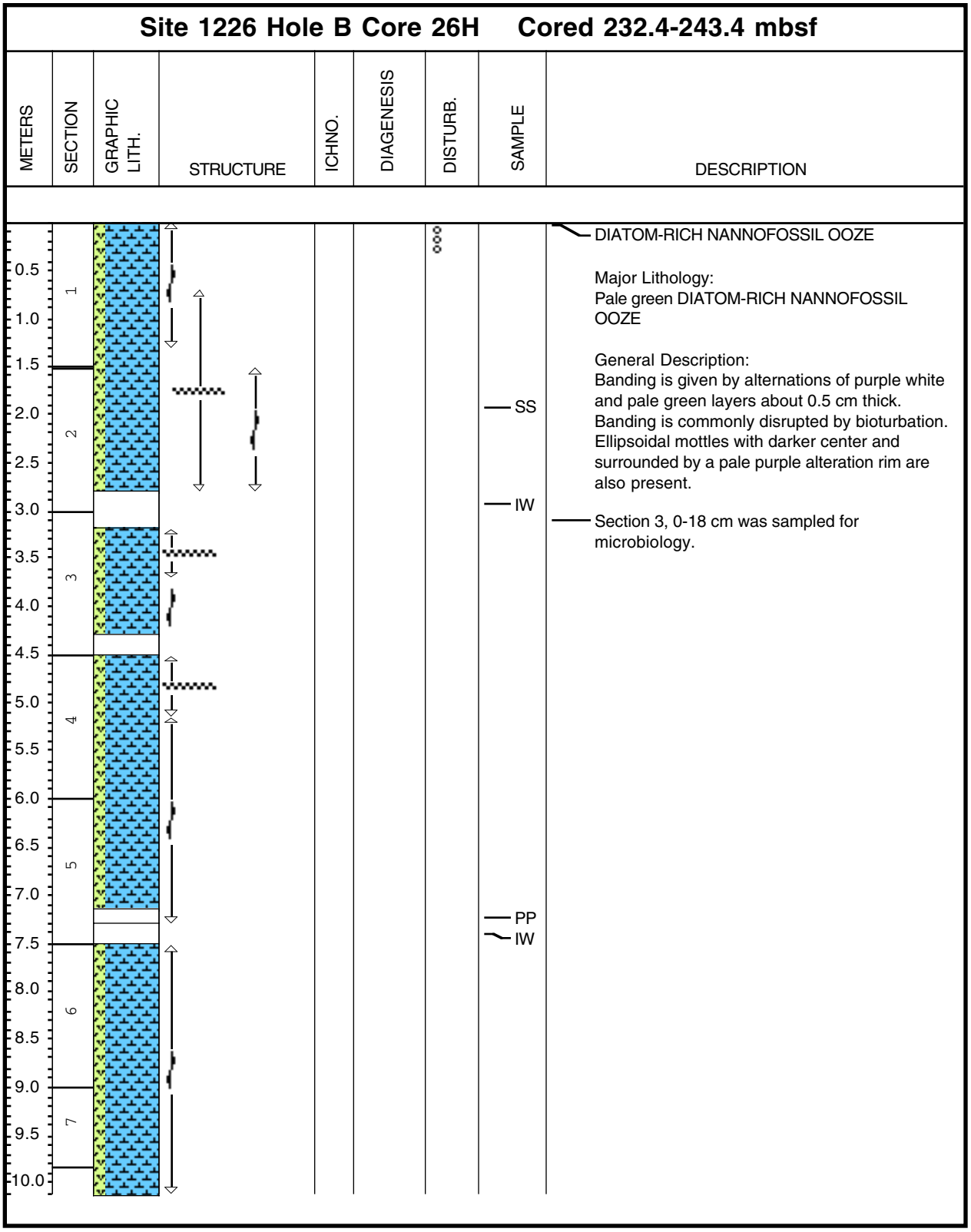
Core Photo


Site 1226 Hole B Core 24H Cored 213.4-222.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
SS
IW
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology: The major lithology of this core is white to pale green DIATOM-RICH NANNOFOSSIL OOZE.
General Description: Bioturbation is intense throughout the core. In particular Sections 4 and 5 show very long, subvertical burrows (as long as 90 cm). Burrows are commonly highlighted by purple or gray alteration halos. Strong smell of hydrogen sulfide is present, measured at <2 ppm at the core surface.
Section 3, 0-90 cm was sampled for microbiology.

Core Photo

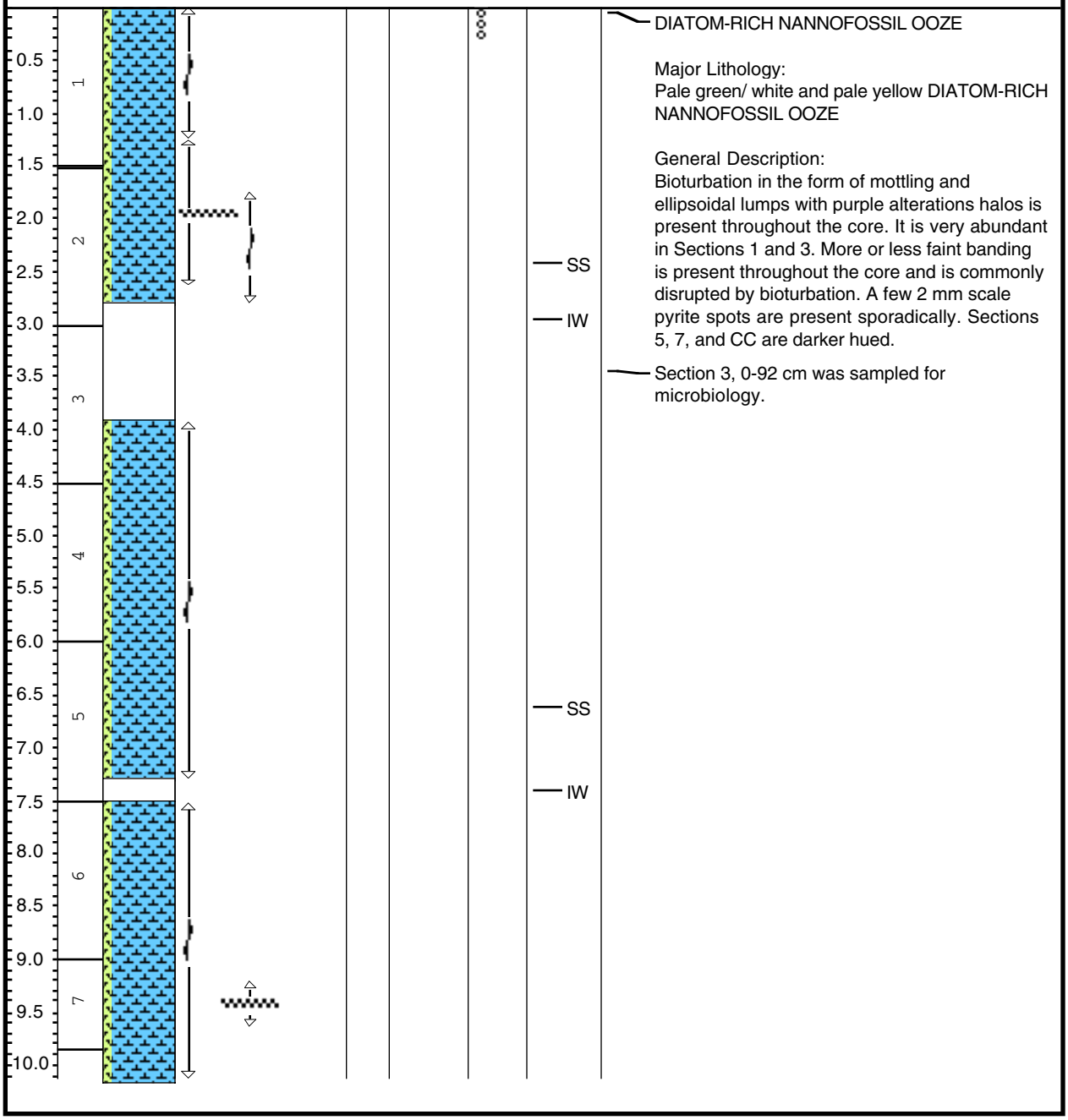

Site 1226 Hole B Core 25H Cored 222.9-232.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
IW
SS
DIATOM-RICH NANNOFOSSIL OOZE
Major lithology: DIATOM-RICH NANNOFOSSIL OOZE
General Description: Mottled zone with purple reaction halos in the lighter white DIATOM-RICH NANNOFOSSIL OOZE. Dark green NANNOFOSSIL-BEARING DIATOM OOZE layer with pale yellow burrows occurs in Section 5. Strong smell of hydrogen sulfide, measured at <2 ppm at the surface of the core.
Section 3, 0-17 cm was sampled for microbiology.

Core Photo

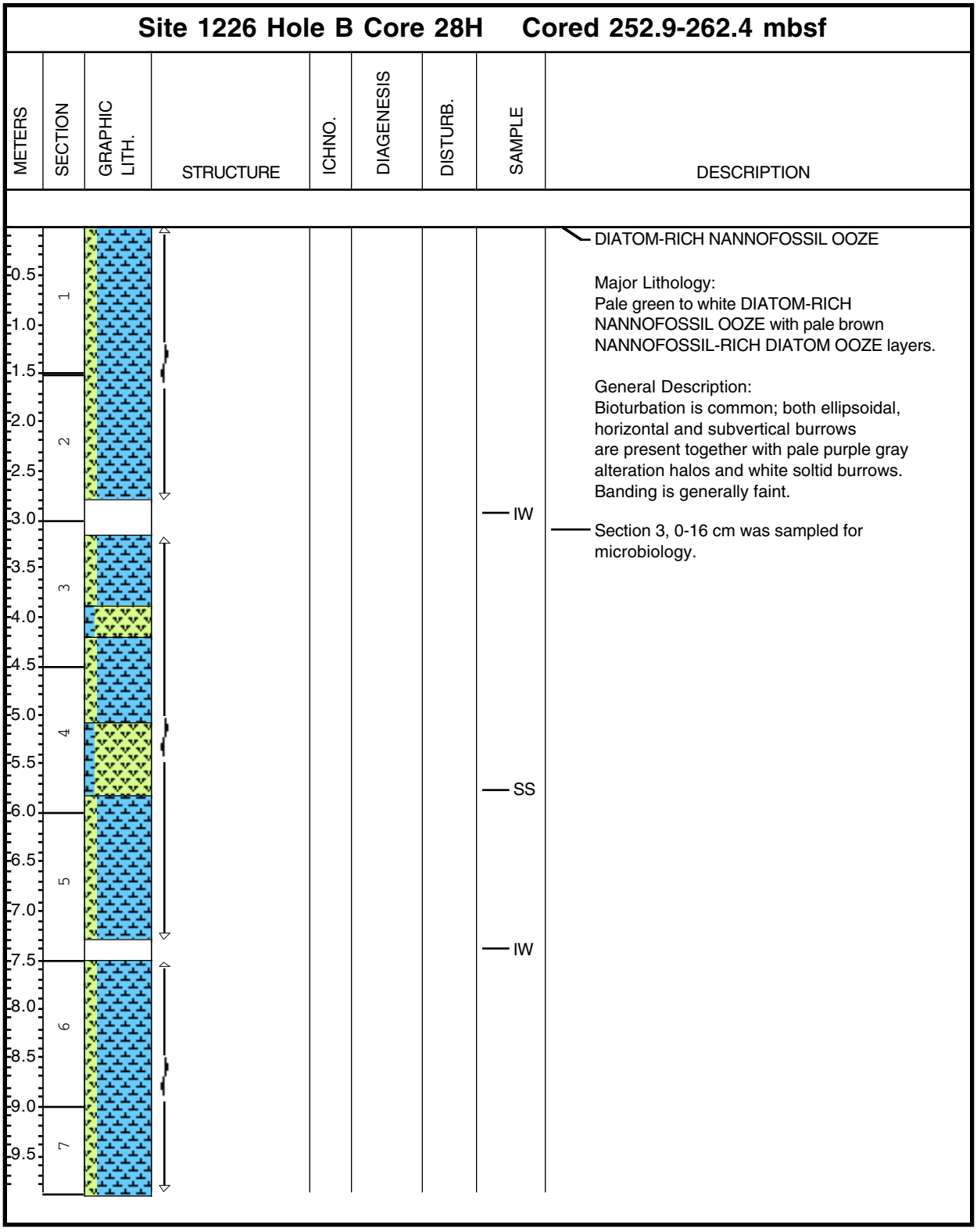

Site 1226 Hole B Core 26H Cored 232.4-243.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
SS
IW
PP
IW
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale green DIATOM-RICH NANNOFOSSIL OOZE
General Description:
Banding is given by alternations of purple white and pale green layers about 0.5 cm thick. Banding is commonly disrupted by bioturbation. Ellipsoidal mottles with darker center and surrounded by a pale purple alteration rim are also present.
Section 3, 0-18 cm was sampled for microbiology.

Core Photo

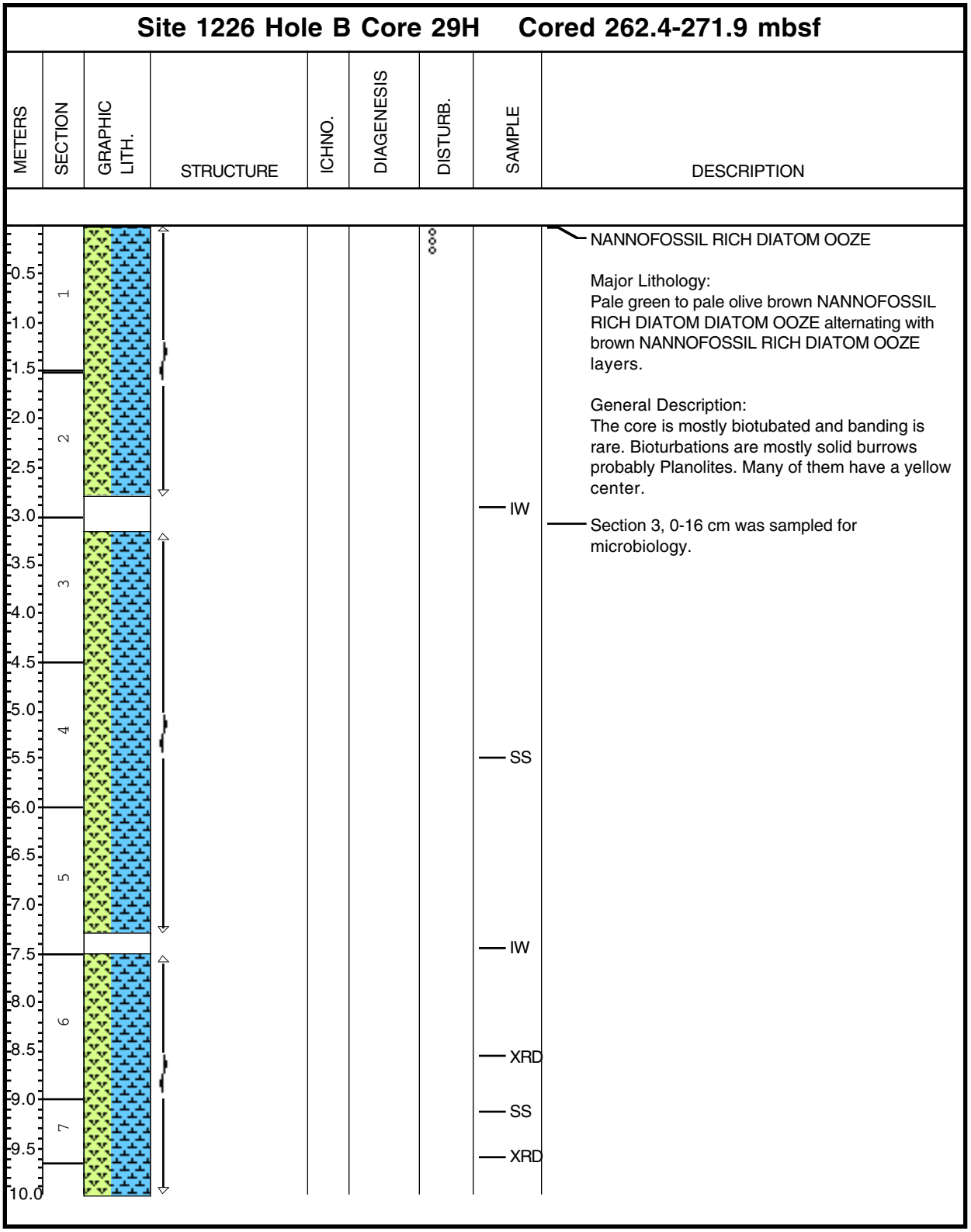
Site 1226 Hole B Core 27H Cored 243.4-252.9 mbsf



Core Photo


Site 1226 Hole B Core 28H Cored 252.9-262.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
SS
IW
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale green to white DIATOM-RICH NANNOFOSSIL OOZE with pale brown NANNOFOSSIL-RICH DIATOM OOZE layers.
General Description:
Bioturbation is common; both ellipsoidal, horizontal and subvertical burrows are present together with pale purple gray alteration halos and white soltid burrows. Banding is generally faint.
Section 3, 0-16 cm was sampled for microbiology.

Core Photo

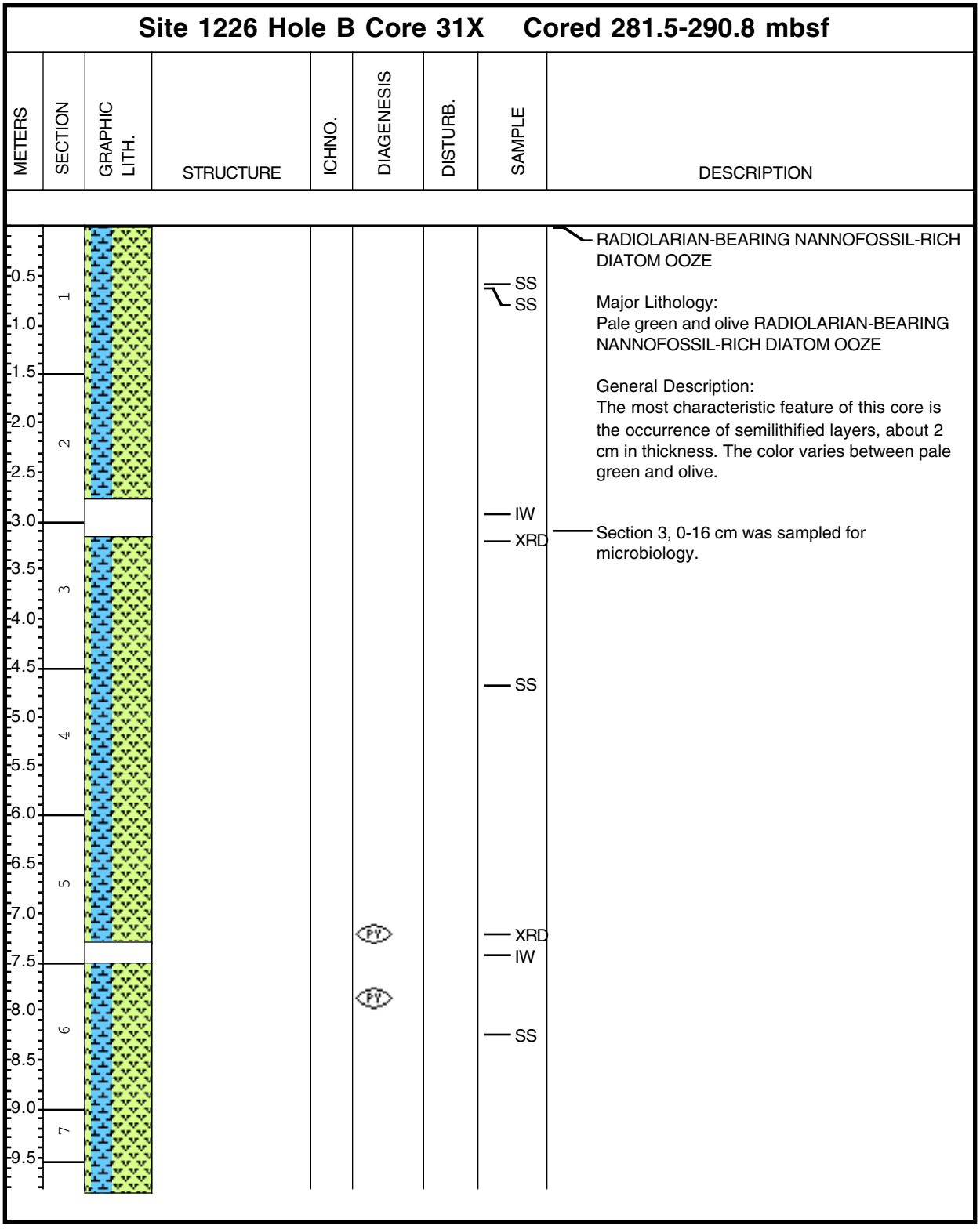

Site 1226 Hole B Core 29H Cored 262.4-271.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
SS
IW
XRD
SS
XRD
NANNOFOSSIL RICH DIATOM OOZE
Major Lithology:
Pale green to pale olive brown NANNOFOSSIL RICH DIATOM DIATOM OOZE alternating with brown NANNOFOSSIL RICH DIATOM OOZE layers.
General Description:
The core is mostly biotubated and banding is rare. Bioturbations are mostly solid burrows probably Planolites. Many of them have a yellow center.
Section 3, 0-16 cm was sampled for microbiology.

Core Photo

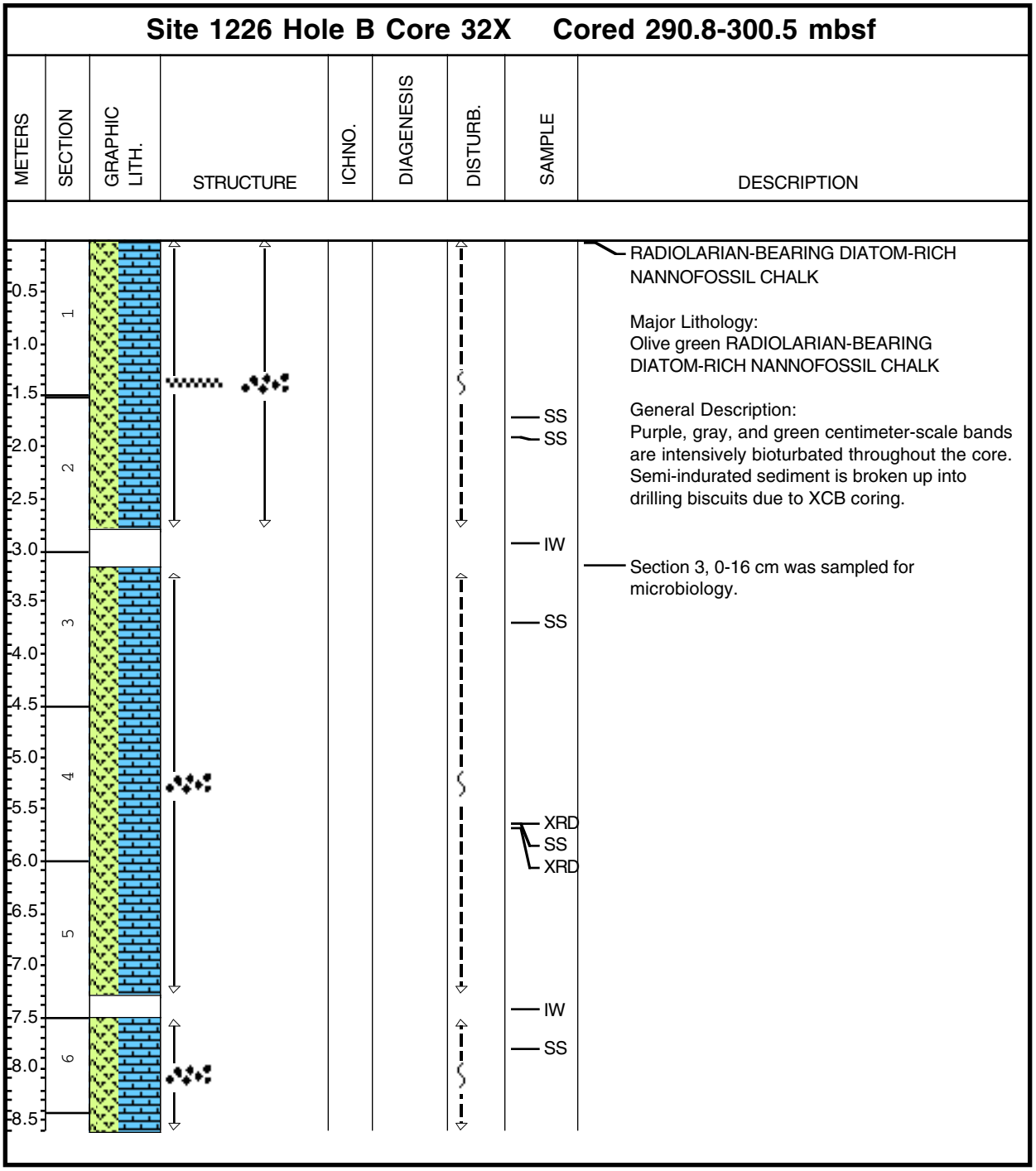
Site 1226 Hole B Core 30X Cored 271.9-281.5 mbsf

METERS	SECTION	GRAPHIC LITH.	STRUCTURE	ICHNO.	DIAGENESIS	DISTURB.	SAMPLE	DESCRIPTION
0.5	1							CLAY-BEARING NANNOFOSSIL-RICH DIATOM OOZE and CLAY-BEARING DIATOM-RICH NANNOFOSSIL OOZE Major Lithology: Olive green-gray CLAY-BEARING NANNOFOSSIL-RICH DIATOM OOZE and pale green to white CLAY-BEARING DIATOM-RICH NANOFOSSIL OOZE with purple alteration halos around burrows. General Description: Meter-scale alternation between olive green gray CLAY-BEARING NANNOFOSSIL-RICH DIATOM OOZE and pale green to white CLAY-BEARING DIATOM-RICH NANOFOSSIL OOZE. Some darker, ~1 cm thick layers within the diatom ooze are semi-indurated. Section 3, 0-79 cm was sampled for microbiology.
1.0								
1.5								
2.0	2							
2.5							XRD	
3.0							SS IW	
3.5	3							
4.0								
4.5								
5.0	4							
5.5							XRD SS	
6.0								
6.5	5							
7.0								
7.5							IW	
8.0	6							
8.5							XRD SS	
9.0								
9.5	7						XRD	

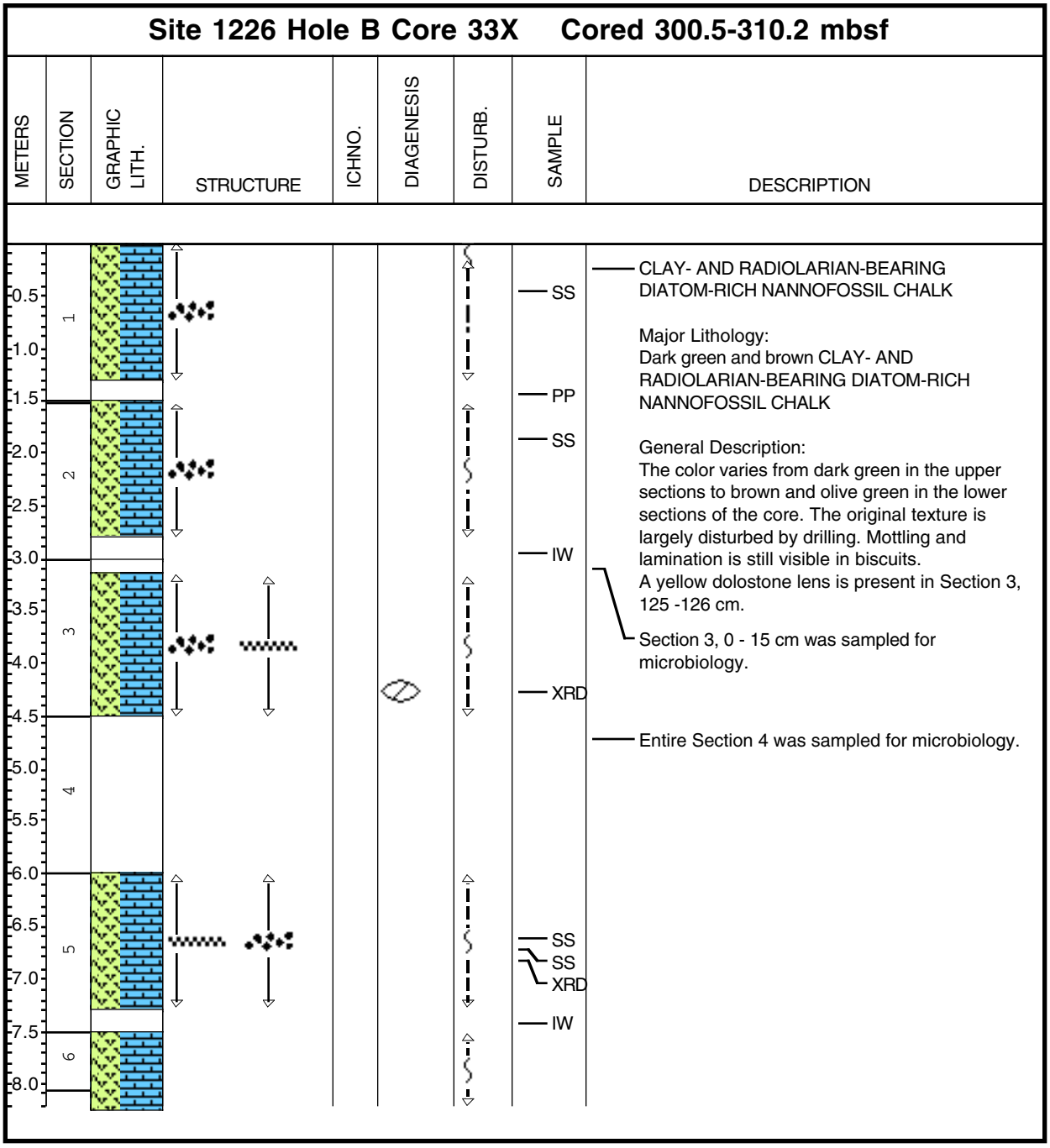
Core Photo


Site 1226 Hole B Core 31X Cored 281.5-290.8 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
SS
SS
IW
XRD
SS
XRD
IW
SS
PY
PY
RADIOLARIAN-BEARING NANNOFOSSIL-RICH DIATOM OOZE
Major Lithology:
Pale green and olive RADIOLARIAN-BEARING NANNOFOSSIL-RICH DIATOM OOZE
General Description:
The most characteristic feature of this core is the occurrence of semilithified layers, about 2 cm in thickness. The color varies between pale green and olive.
Section 3, 0-16 cm was sampled for microbiology.

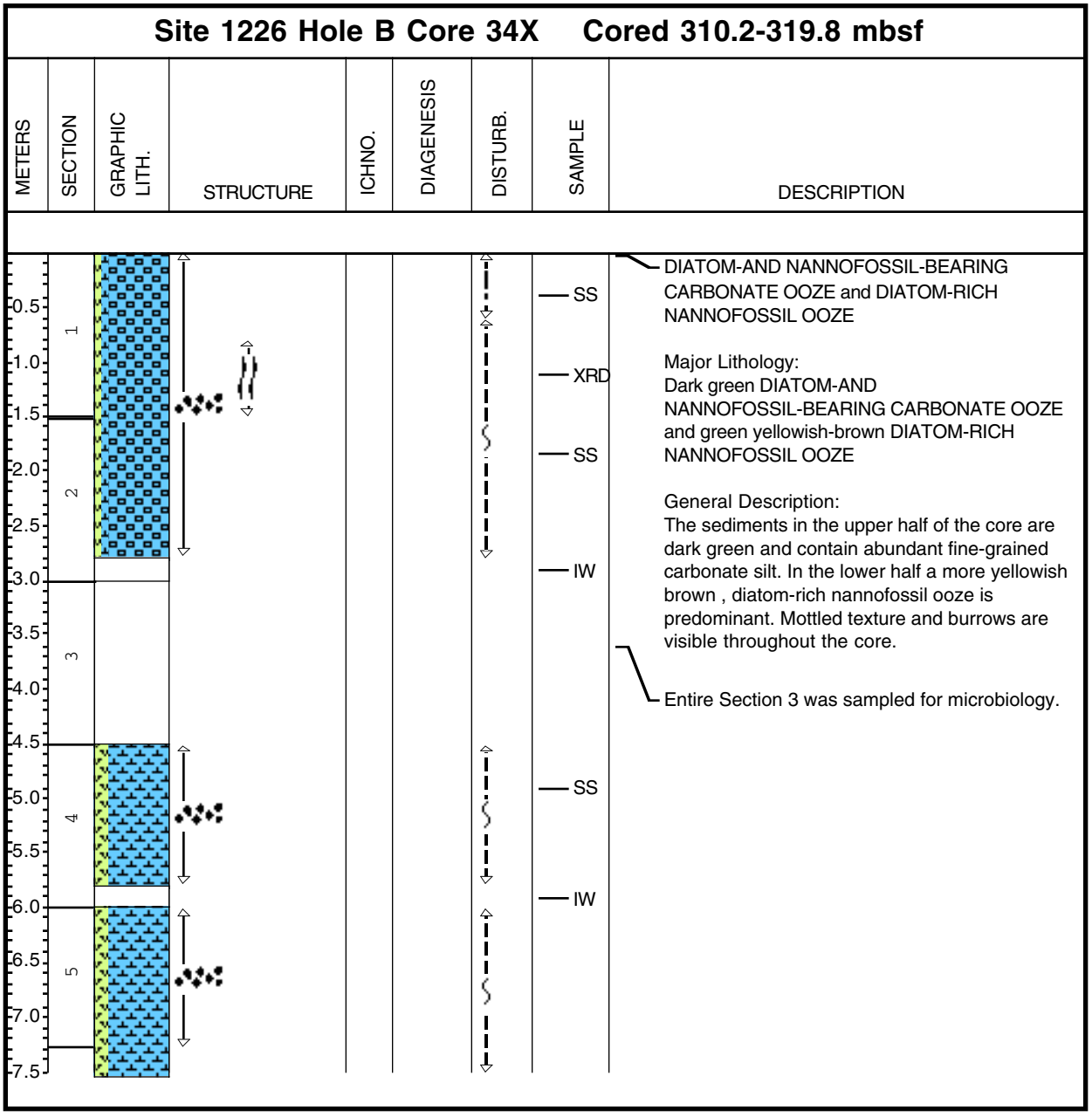
Core Photo


Site 1226 Hole B Core 32X Cored 290.8-300.5 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
1
2
3
4
5
6
SS
SS
IW
SS
XRD
SS
XRD
IW
SS
RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL CHALK
Major Lithology:
Olive green RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL CHALK
General Description:
Purple, gray, and green centimeter-scale bands are intensively bioturbated throughout the core. Semi-indurated sediment is broken up into drilling biscuits due to XCB coring.
Section 3, 0-16 cm was sampled for microbiology.

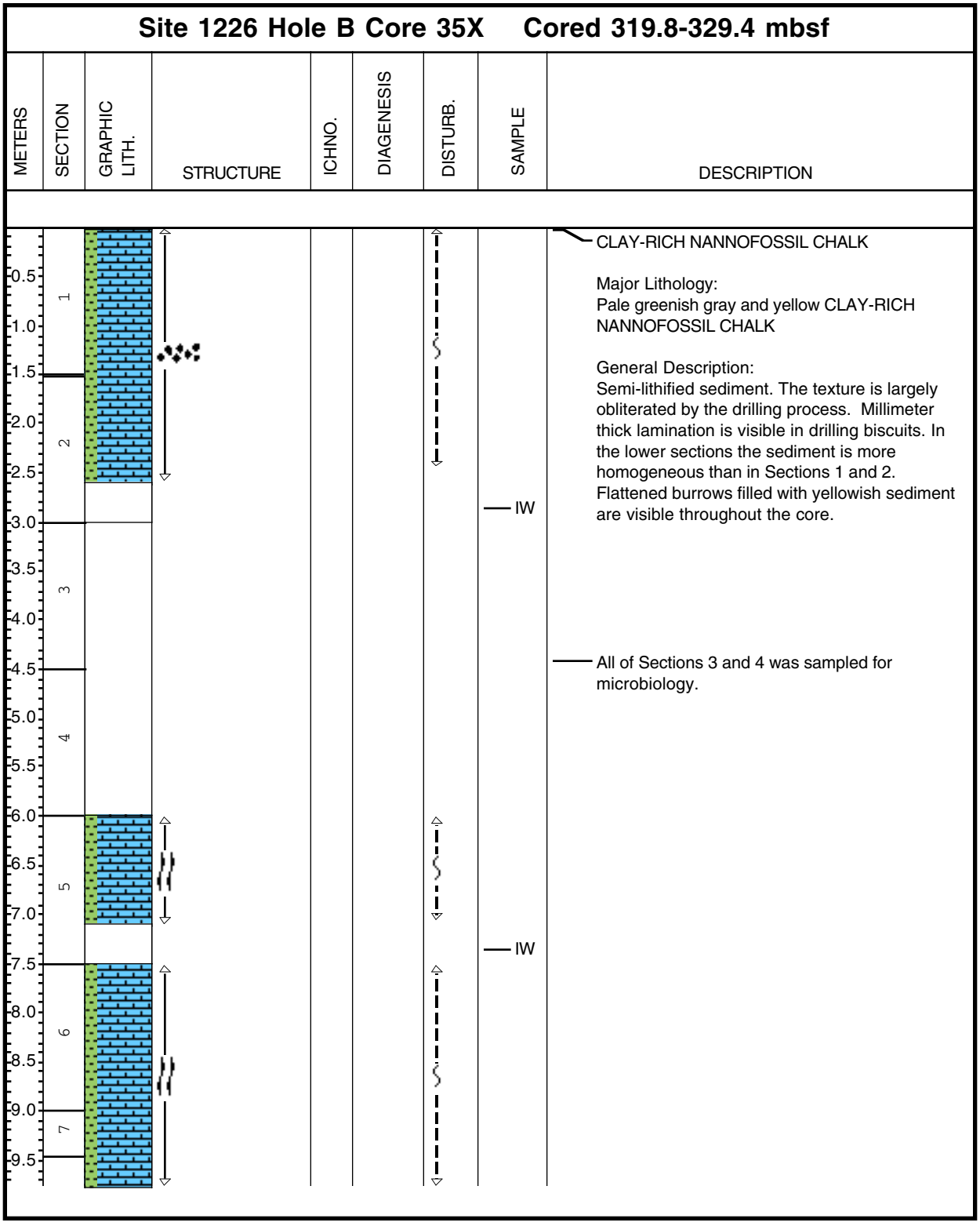
Core Photo


Site 1226 Hole B Core 33X Cored 300.5-310.2 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
1
2
3
4
5
6
SS
PP
SS
IW
XRD
SS
SS
XRD
IW
CLAY- AND RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL CHALK
Major Lithology:
Dark green and brown CLAY- AND RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL CHALK
General Description:
The color varies from dark green in the upper sections to brown and olive green in the lower sections of the core. The original texture is largely disturbed by drilling. Mottling and lamination is still visible in biscuits.
A yellow dolostone lens is present in Section 3, 125 -126 cm.
Section 3, 0 - 15 cm was sampled for microbiology.
Entire Section 4 was sampled for microbiology.

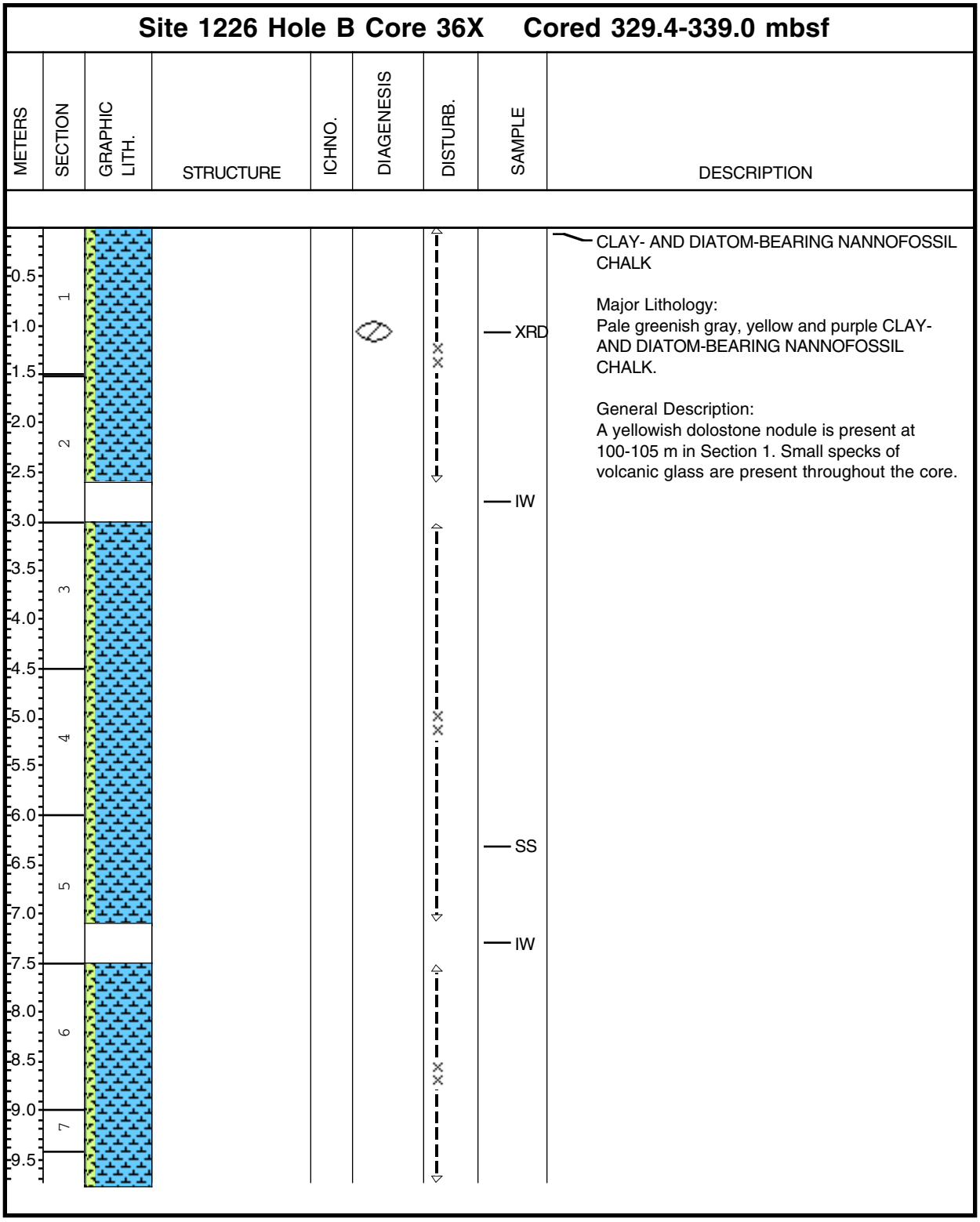
Core Photo


Site 1226 Hole B Core 34X Cored 310.2-319.8 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
1
2
3
4
5
SS
XRD
SS
IW
SS
IW
DIATOM-AND NANNOFOSSIL-BEARING CARBONATE OOZE and DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Dark green DIATOM-AND NANNOFOSSIL-BEARING CARBONATE OOZE and green yellowish-brown DIATOM-RICH NANNOFOSSIL OOZE
General Description:
The sediments in the upper half of the core are dark green and contain abundant fine-grained carbonate silt. In the lower half a more yellowish brown , diatom-rich nannofossil ooze is predominant. Mottled texture and burrows are visible throughout the core.
Entire Section 3 was sampled for microbiology.

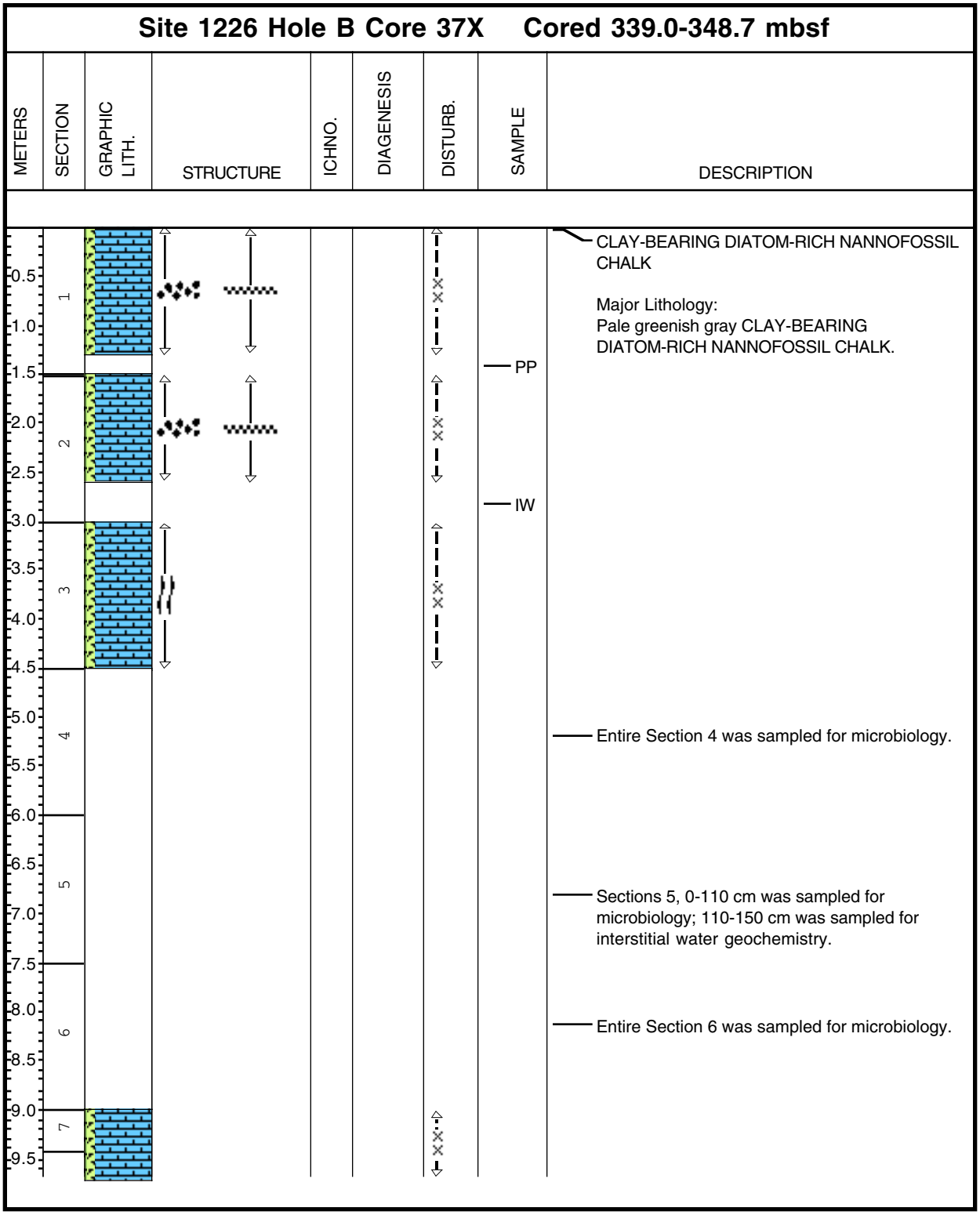
Core Photo


Site 1226 Hole B Core 35X Cored 319.8-329.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
IW
CLAY-RICH NANNOFOSSIL CHALK
Major Lithology:
Pale greenish gray and yellow CLAY-RICH NANNOFOSSIL CHALK
General Description:
Semi-lithified sediment. The texture is largely obliterated by the drilling process. Millimeter thick lamination is visible in drilling biscuits. In the lower sections the sediment is more homogeneous than in Sections 1 and 2. Flattened burrows filled with yellowish sediment are visible throughout the core.
All of Sections 3 and 4 was sampled for microbiology.

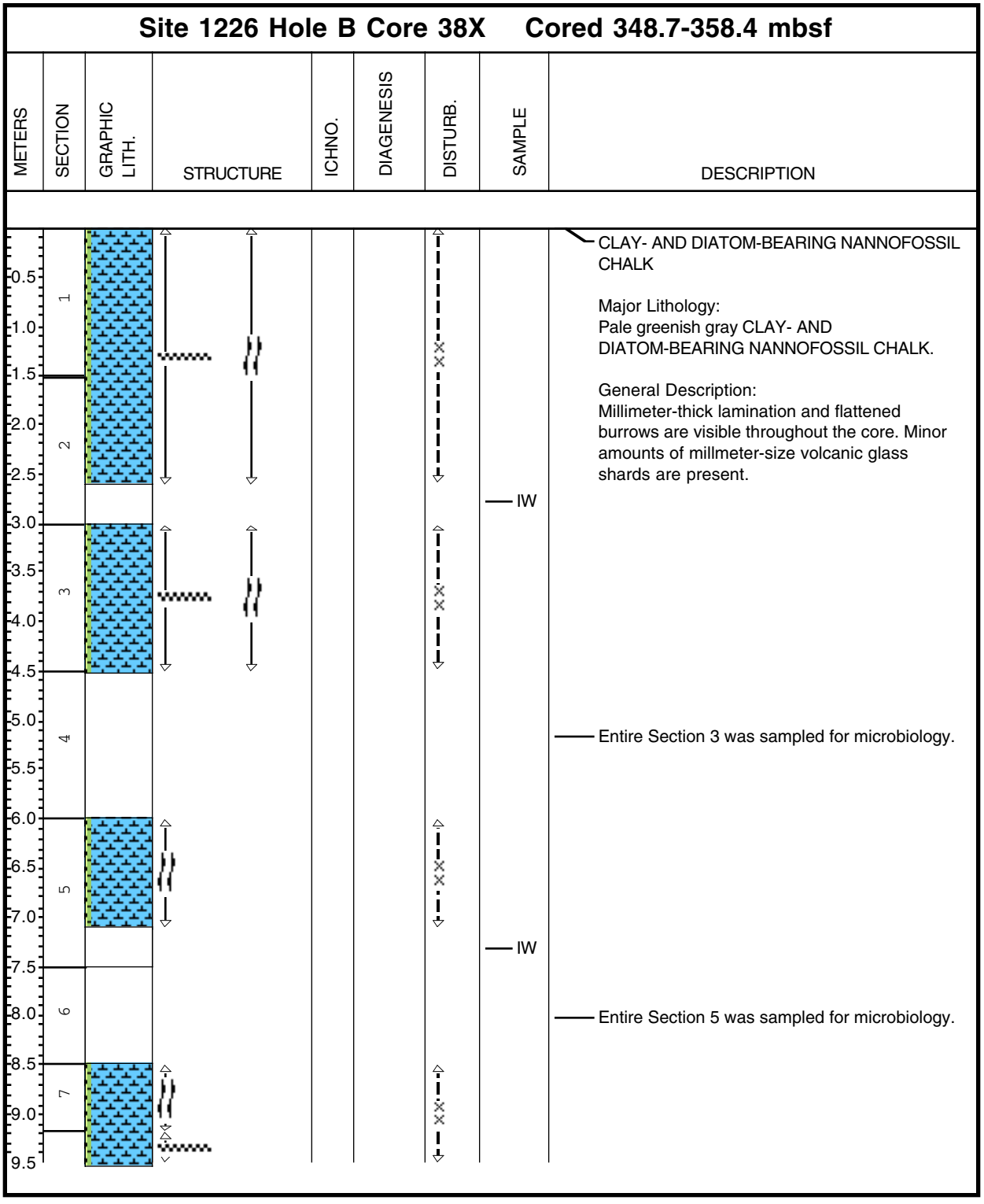
Core Photo


Site 1226 Hole B Core 36X Cored 329.4-339.0 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
XRD
IW
SS
IW
CLAY- AND DIATOM-BEARING NANNOFOSSIL CHALK
Major Lithology:
Pale greenish gray, yellow and purple CLAY- AND DIATOM-BEARING NANNOFOSSIL CHALK.
General Description:
A yellowish dolostone nodule is present at 100-105 m in Section 1. Small specks of volcanic glass are present throughout the core.

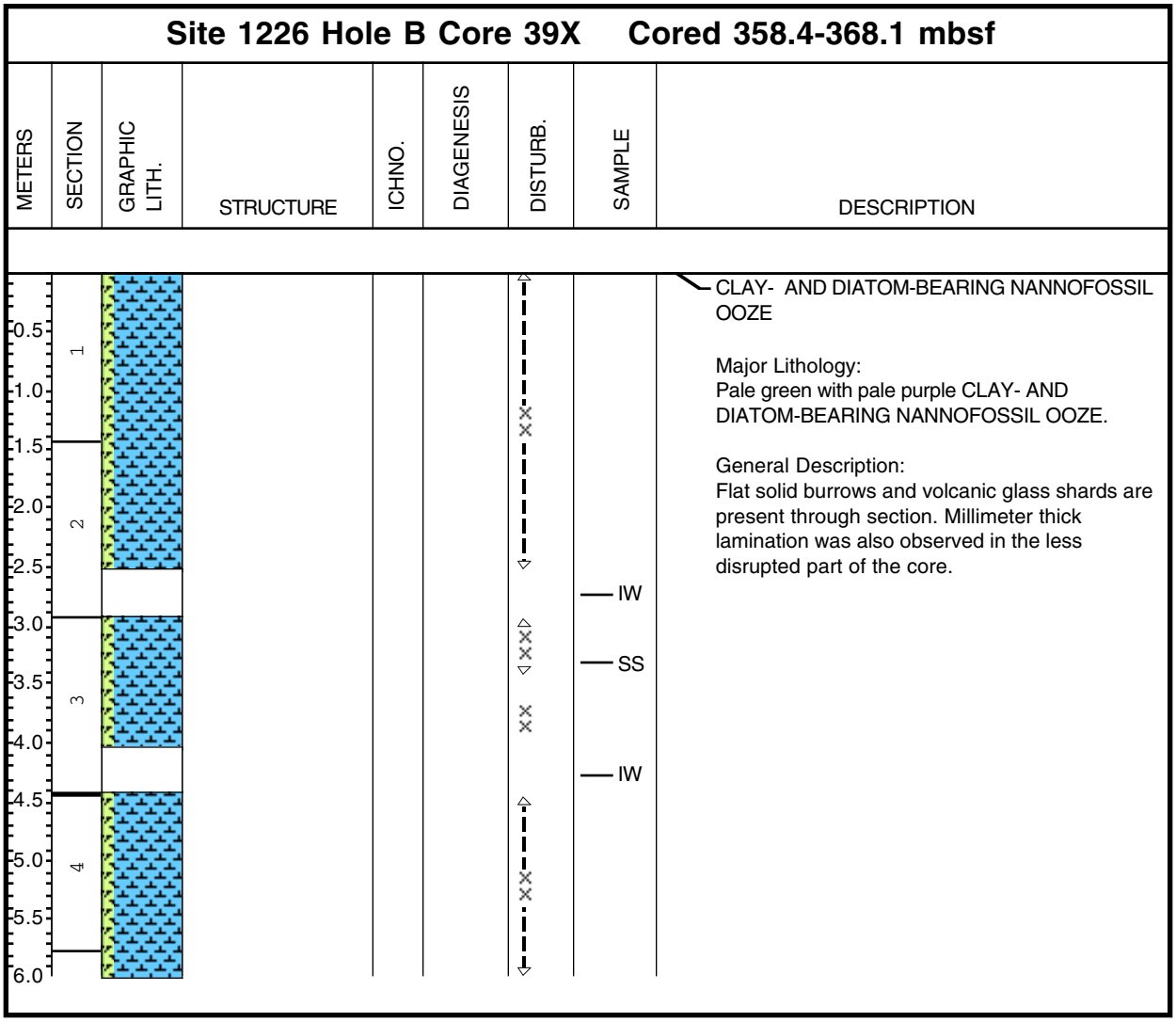
Core Photo


Site 1226 Hole B Core 37X Cored 339.0-348.7 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
PP
IW
CLAY-BEARING DIATOM-RICH NANNOFOSSIL CHALK
Major Lithology:
Pale greenish gray CLAY-BEARING DIATOM-RICH NANNOFOSSIL CHALK.
Entire Section 4 was sampled for microbiology.
Sections 5, 0-110 cm was sampled for microbiology; 110-150 cm was sampled for interstitial water geochemistry.
Entire Section 6 was sampled for microbiology.

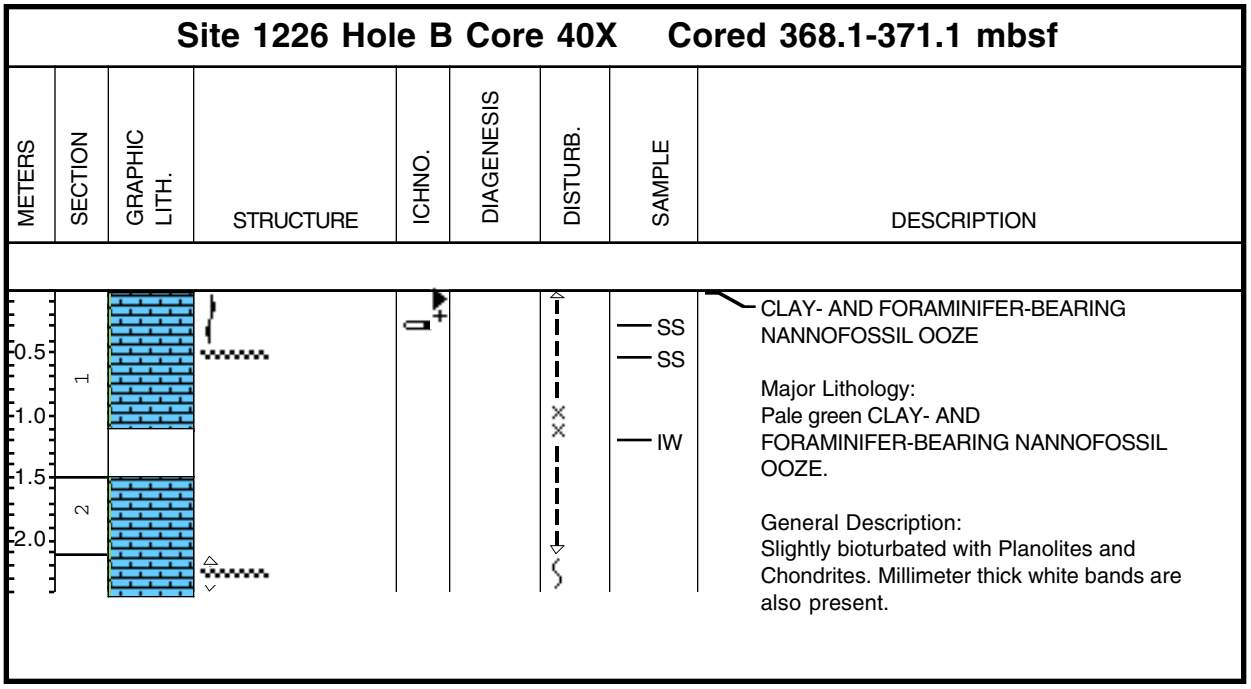
Core Photo


Site 1226 Hole B Core 38X Cored 348.7-358.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
IW
CLAY- AND DIATOM-BEARING NANNOFOSSIL CHALK
Major Lithology:
Pale greenish gray CLAY- AND DIATOM-BEARING NANNOFOSSIL CHALK.
General Description:
Millimeter-thick lamination and flattened burrows are visible throughout the core. Minor amounts of millmeter-size volcanic glass shards are present.
Entire Section 3 was sampled for microbiology.
Entire Section 5 was sampled for microbiology.

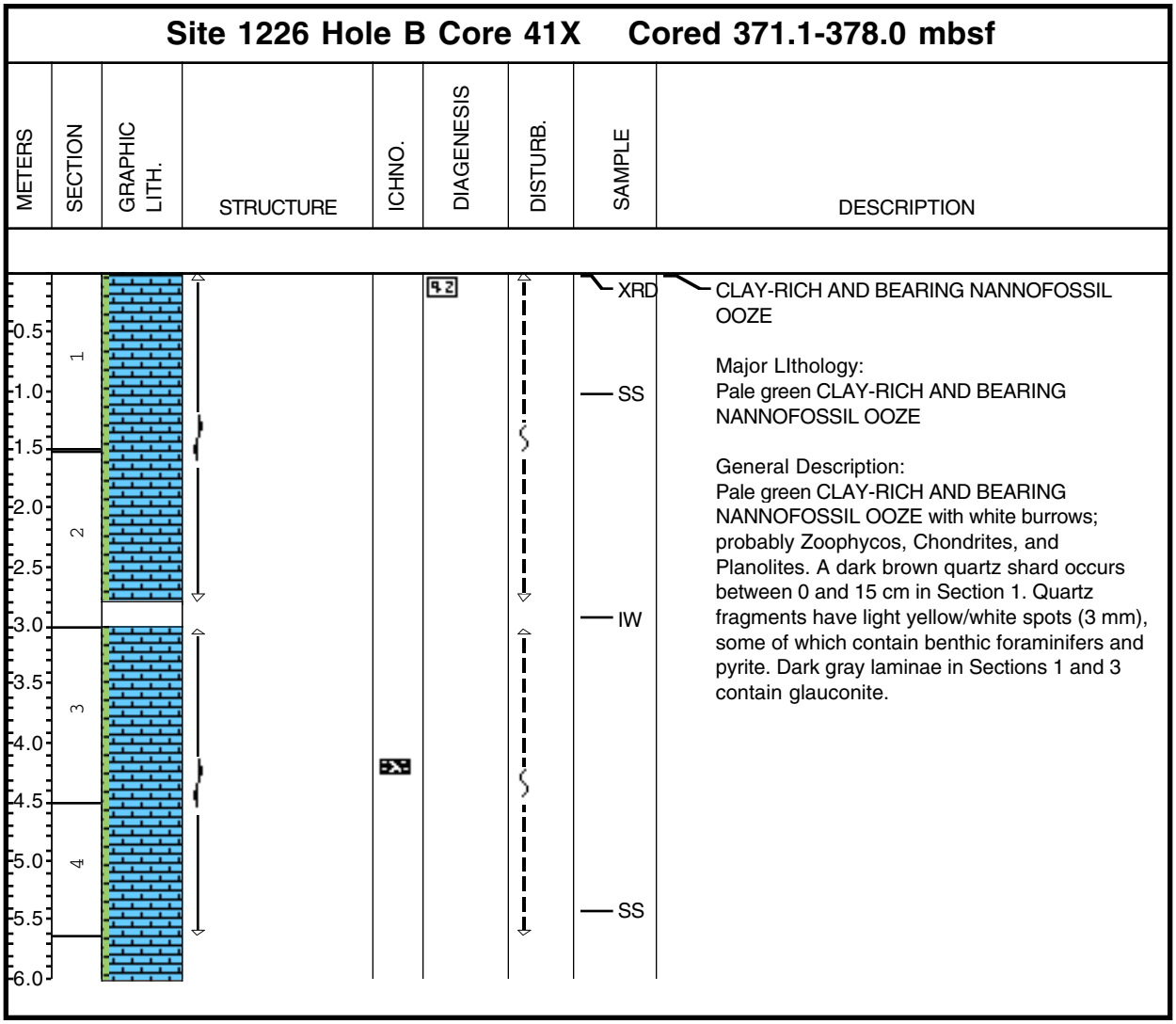
Core Photo


Site 1226 Hole B Core 39X Cored 358.4-368.1 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
1
2
3
4
IW
SS
IW
CLAY- AND DIATOM-BEARING NANNOFOSSIL OOZE
Major Lithology:
Pale green with pale purple CLAY- AND DIATOM-BEARING NANNOFOSSIL OOZE.
General Description:
Flat solid burrows and volcanic glass shards are present through section. Millimeter thick lamination was also observed in the less disrupted part of the core.

Core Photo


Site 1226 Hole B Core 40X Cored 368.1-371.1 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
1
2
SS
SS
IW
CLAY- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE
Major Lithology:
Pale green CLAY- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE.
General Description:
Slightly bioturbated with Planolites and Chondrites. Millimeter thick white bands are also present.

Core Photo

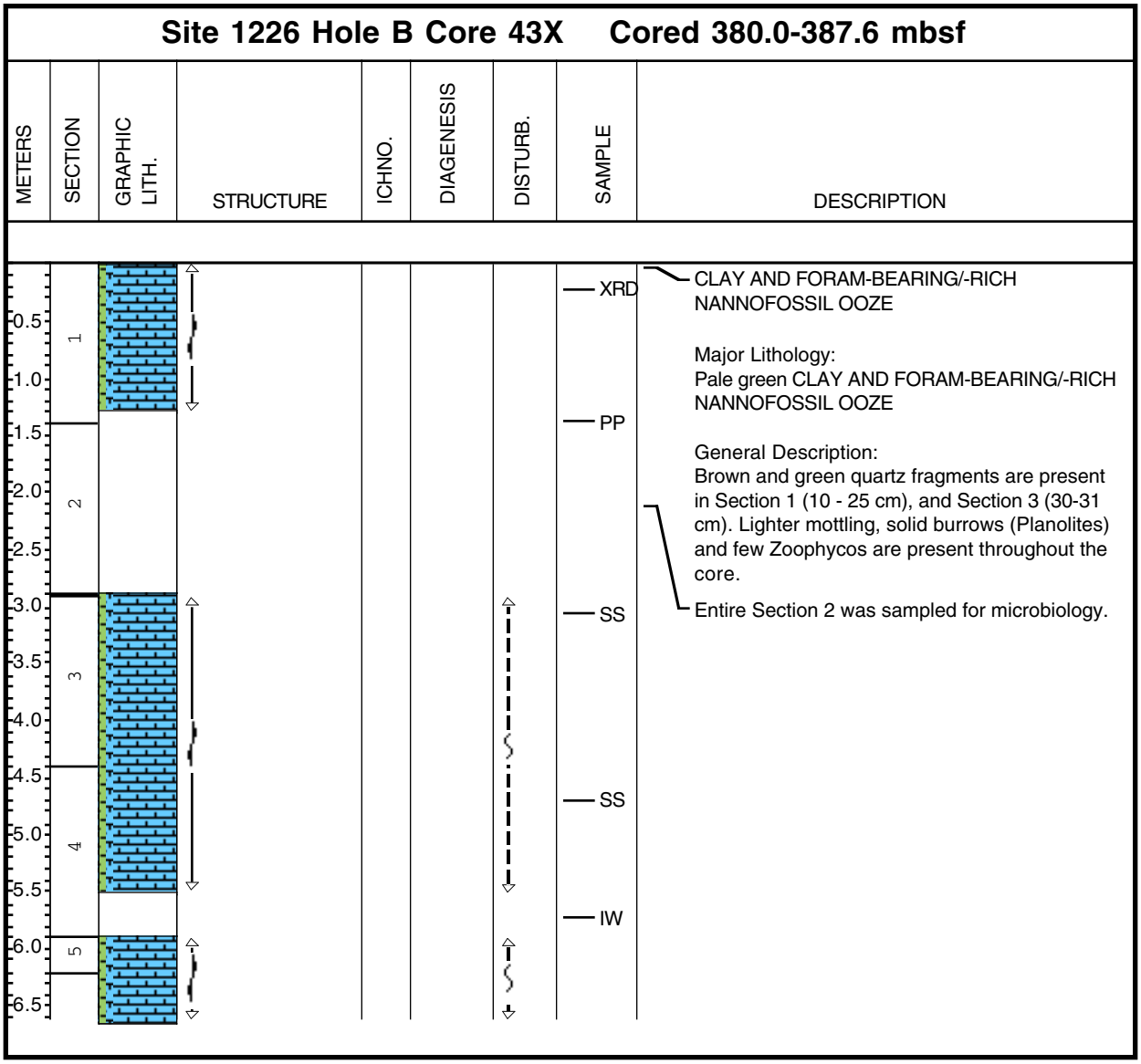

Site 1226 Hole B Core 41X Cored 371.1-378.0 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
1
2
3
4
XRD
SS
IW
SS
CLAY-RICH AND BEARING NANNOFOSSIL OOZE
Major LIthology:
Pale green CLAY-RICH AND BEARING NANNOFOSSIL OOZE
General Description:
Pale green CLAY-RICH AND BEARING NANNOFOSSIL OOZE with white burrows; probably Zoophycos, Chondrites, and Planolites. A dark brown quartz shard occurs between 0 and 15 cm in Section 1. Quartz fragments have light yellow/white spots (3 mm), some of which contain benthic foraminifers and pyrite. Dark gray laminae in Sections 1 and 3 contain glauconite.

Core Photo

Site 1226 Hole B Core 42P Cored 378.0-380.0 mbsf

METERS	SECTION	GRAPHIC LITH.	STRUCTURE	ICHNO.	DIAGENESIS	DISTURB.	SAMPLE	DESCRIPTION
0.5 1.0 1.5	1							CLAY-RICH NANNOFOSSIL OOZE Major Lithology: Pale green CLAY-RICH NANNOFOSSIL OOZE General Description: Cored with the Pressure Core Barrel. The entire core is too disturbed for lithologic description.

Core Photo


Site 1226 Hole B Core 43X Cored 380.0-387.6 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
1
2
3
4
5
XRD
PP
SS
SS
IW
CLAY AND FORAM-BEARING/-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale green CLAY AND FORAM-BEARING/-RICH NANNOFOSSIL OOZE
General Description:
Brown and green quartz fragments are present in Section 1 (10 - 25 cm), and Section 3 (30-31 cm). Lighter mottling, solid burrows (Planolites) and few Zoophycos are present throughout the core.
Entire Section 2 was sampled for microbiology.

Core Photo

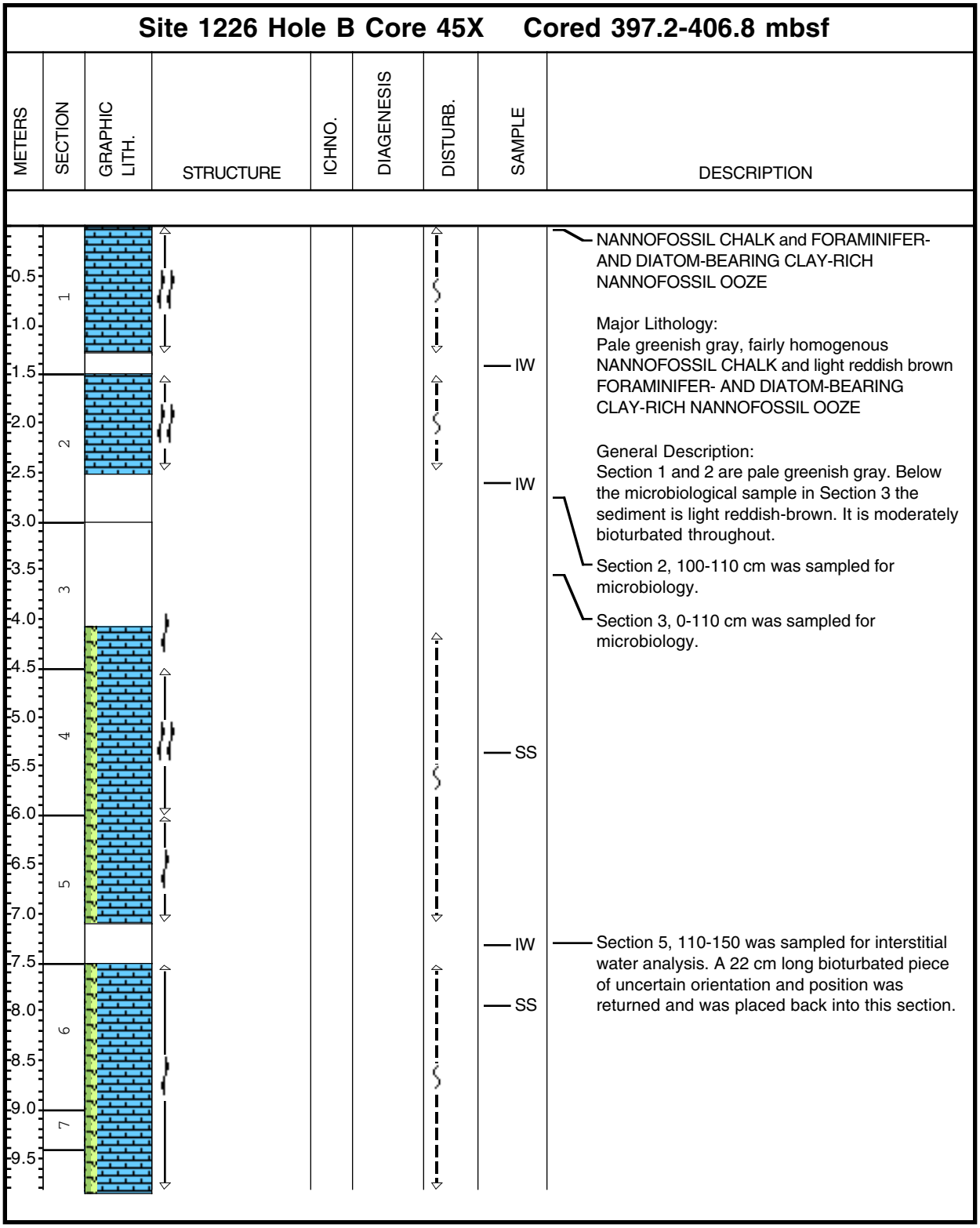
Site 1226 Hole B Core 44X Cored 387.6-397.2 mbsf

METERS	SECTION	GRAPHIC LITH.	STRUCTURE	ICHNO.	DIAGENESIS	DISTURB.	SAMPLE	DESCRIPTION
	1						XRD	NANNOFOSSIL OOZE

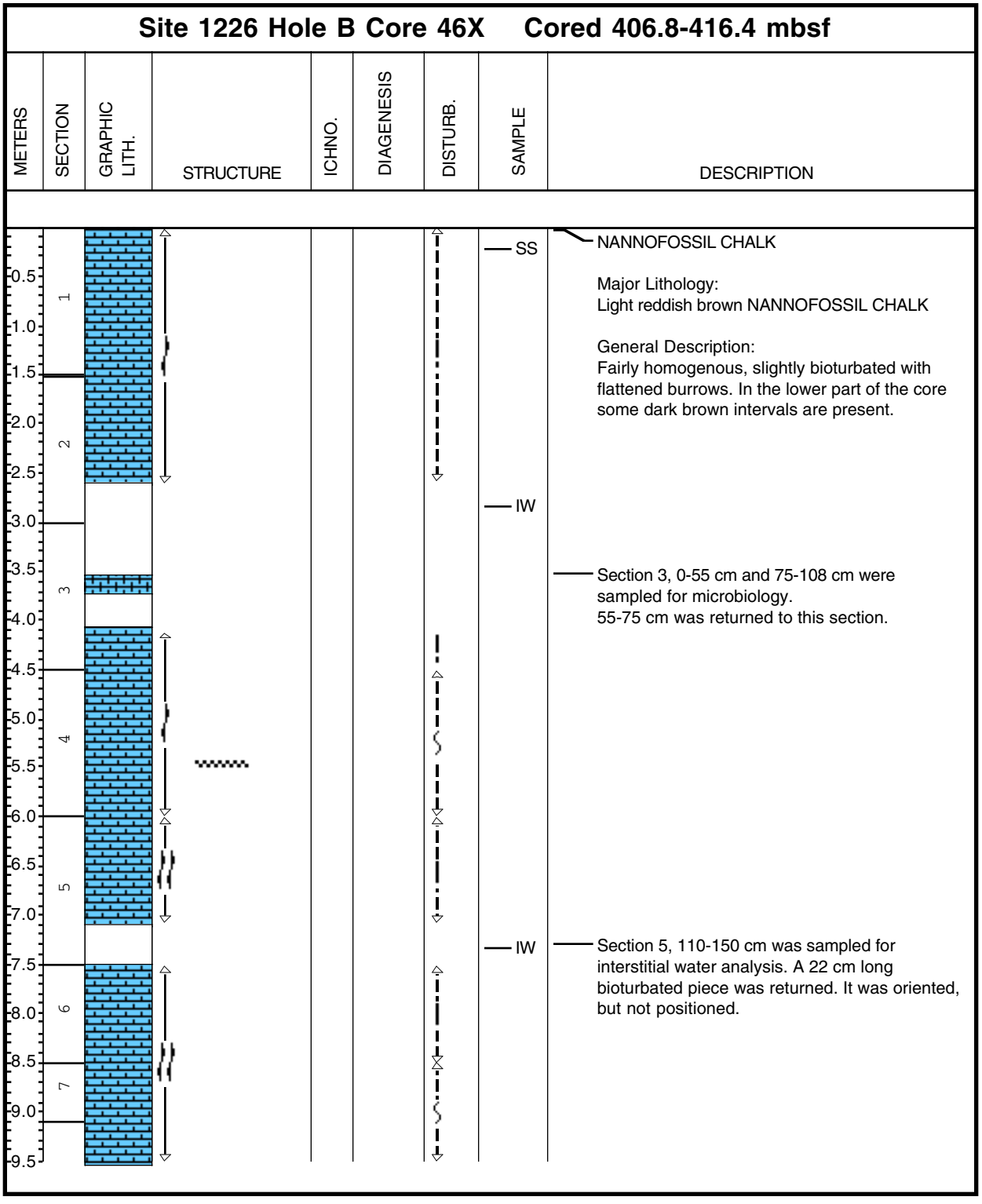
Major Lithology:
Pale green NANNOFOSSIL OOZE

General Description:
Only Core Catcher was recovered. A brown quartz fragment is present at 21 cm.

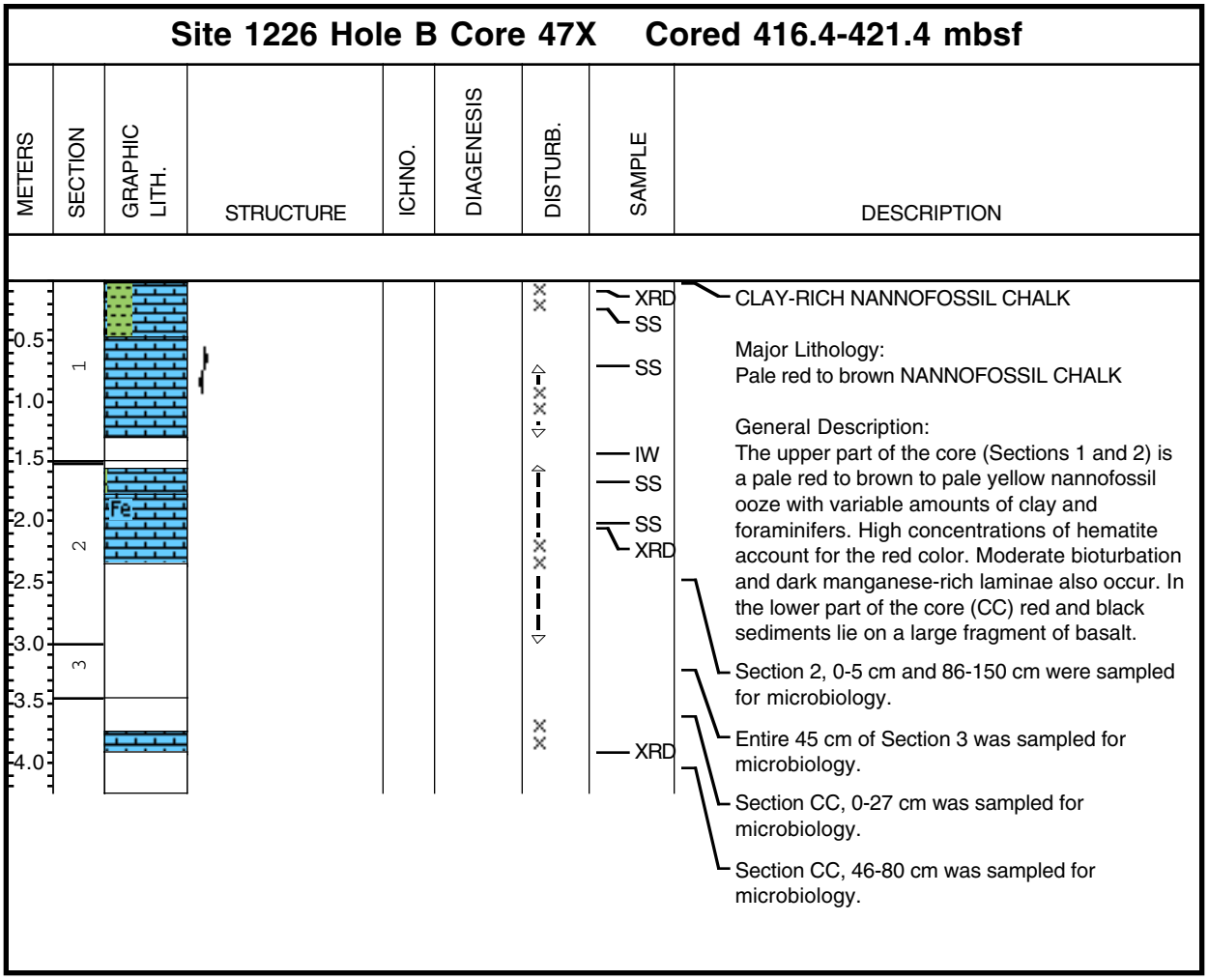
Core Photo


Site 1226 Hole B Core 45X Cored 397.2-406.8 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
IW
SS
IW
SS
NANNOFOSSIL CHALK and FORAMINIFER- AND DIATOM-BEARING CLAY-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray, fairly homogenous NANNOFOSSIL CHALK and light reddish brown FORAMINIFER- AND DIATOM-BEARING CLAY-RICH NANNOFOSSIL OOZE
General Description:
Section 1 and 2 are pale greenish gray. Below the microbiological sample in Section 3 the sediment is light reddish-brown. It is moderately bioturbated throughout.
Section 2, 100-110 cm was sampled for microbiology.
Section 3, 0-110 cm was sampled for microbiology.
Section 5, 110-150 was sampled for interstitial water analysis. A 22 cm long bioturbated piece of uncertain orientation and position was returned and was placed back into this section.

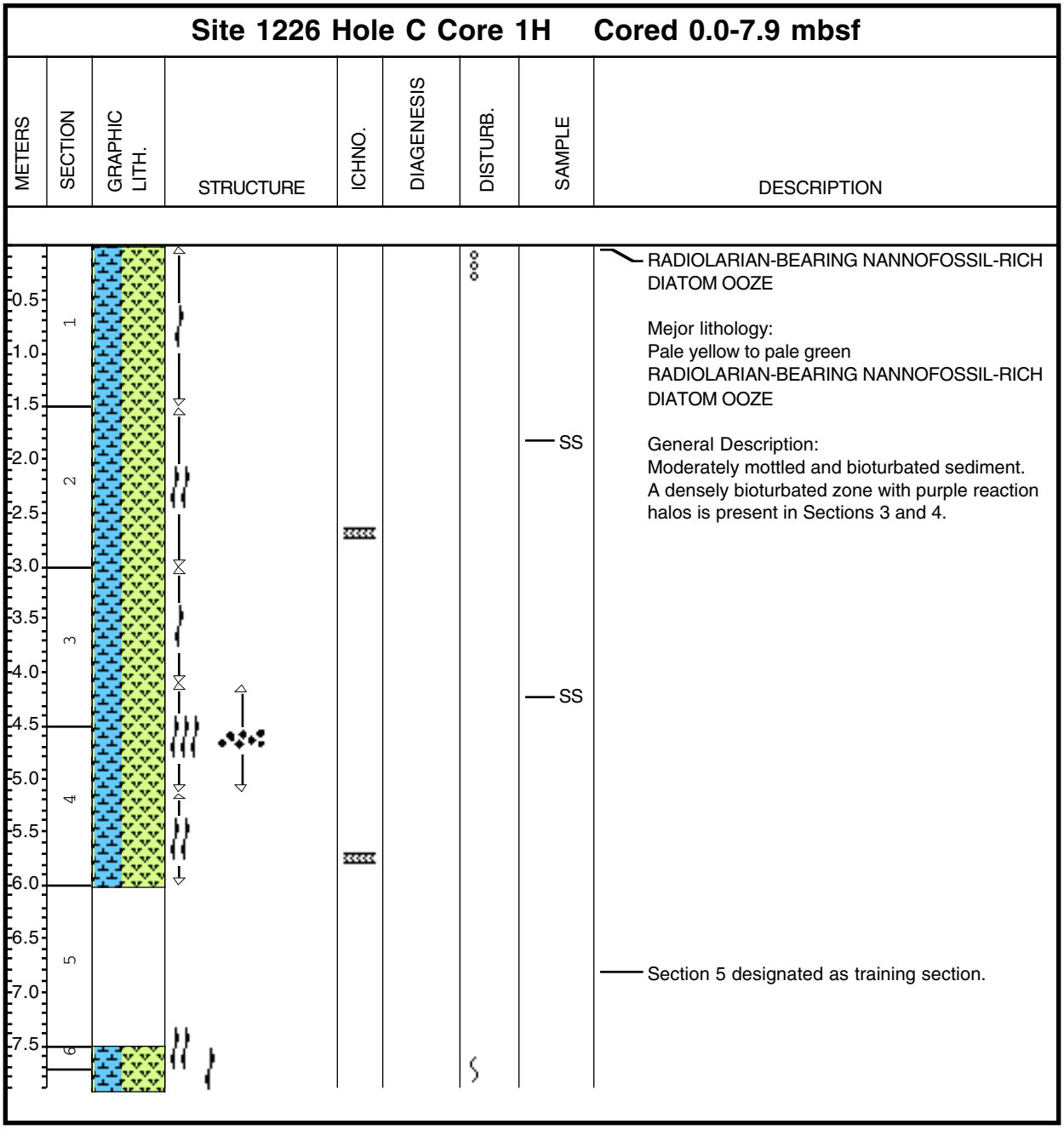
Core Photo


Site 1226 Hole B Core 46X Cored 406.8-416.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
SS
IW
IW
NANNOFOSSIL CHALK
Major Lithology:
Light reddish brown NANNOFOSSIL CHALK
General Description:
Fairly homogenous, slightly bioturbated with flattened burrows. In the lower part of the core some dark brown intervals are present.
Section 3, 0-55 cm and 75-108 cm were sampled for microbiology.
55-75 cm was returned to this section.
Section 5, 110-150 cm was sampled for interstitial water analysis. A 22 cm long bioturbated piece was returned. It was oriented, but not positioned.

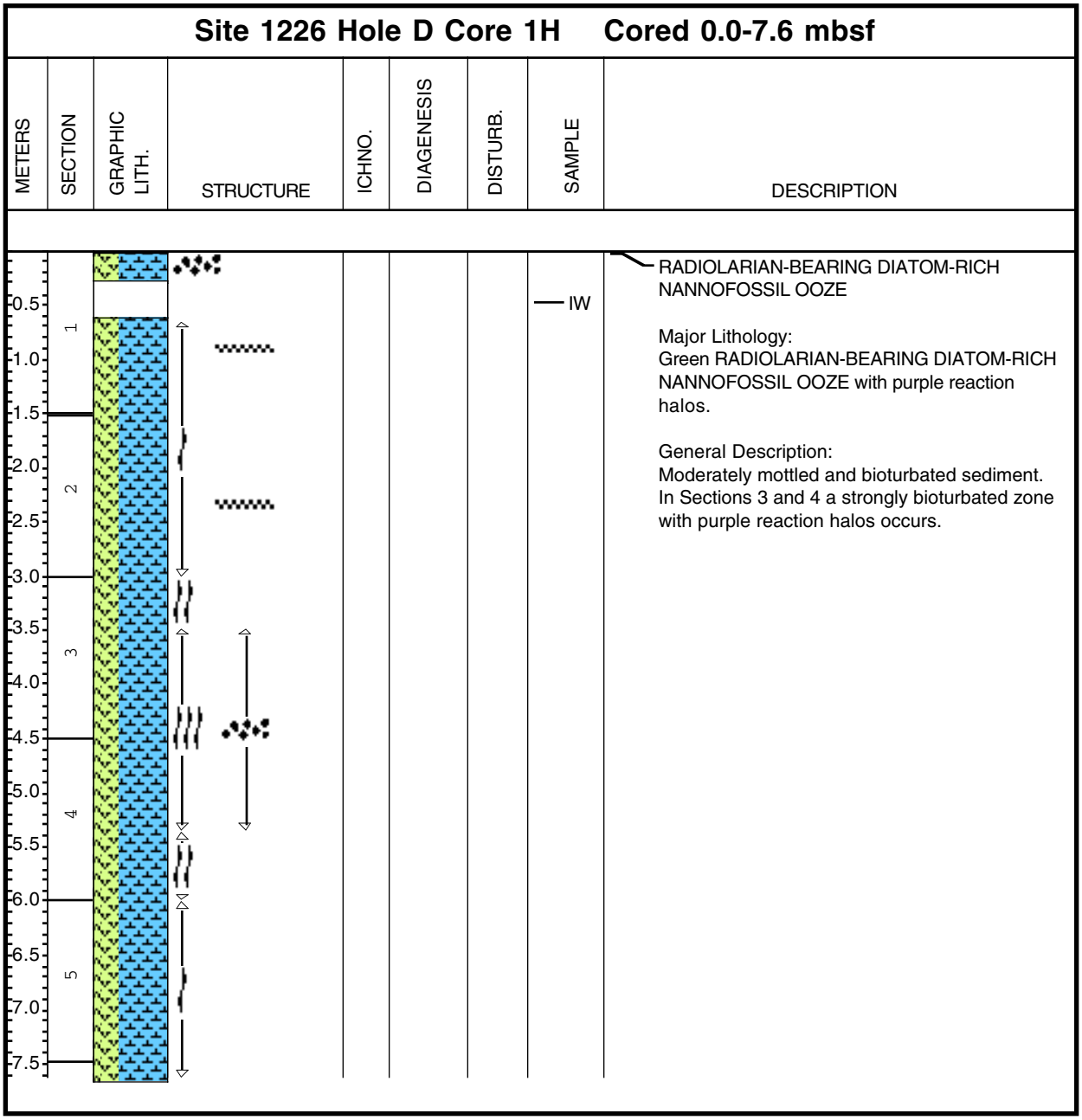
Core Photo


Site 1226 Hole B Core 47X Cored 416.4-421.4 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
1
2
3
Fe
XRD
SS
SS
IW
SS
SS
XRD
XRD
CLAY-RICH NANNOFOSSIL CHALK
Major Lithology:
Pale red to brown NANNOFOSSIL CHALK
General Description:
The upper part of the core (Sections 1 and 2) is a pale red to brown to pale yellow nannofossil ooze with variable amounts of clay and foraminifers. High concentrations of hematite account for the red color. Moderate bioturbation and dark manganese-rich laminae also occur. In the lower part of the core (CC) red and black sediments lie on a large fragment of basalt.
Section 2, 0-5 cm and 86-150 cm were sampled for microbiology.
Entire 45 cm of Section 3 was sampled for microbiology.
Section CC, 0-27 cm was sampled for microbiology.
Section CC, 46-80 cm was sampled for microbiology.

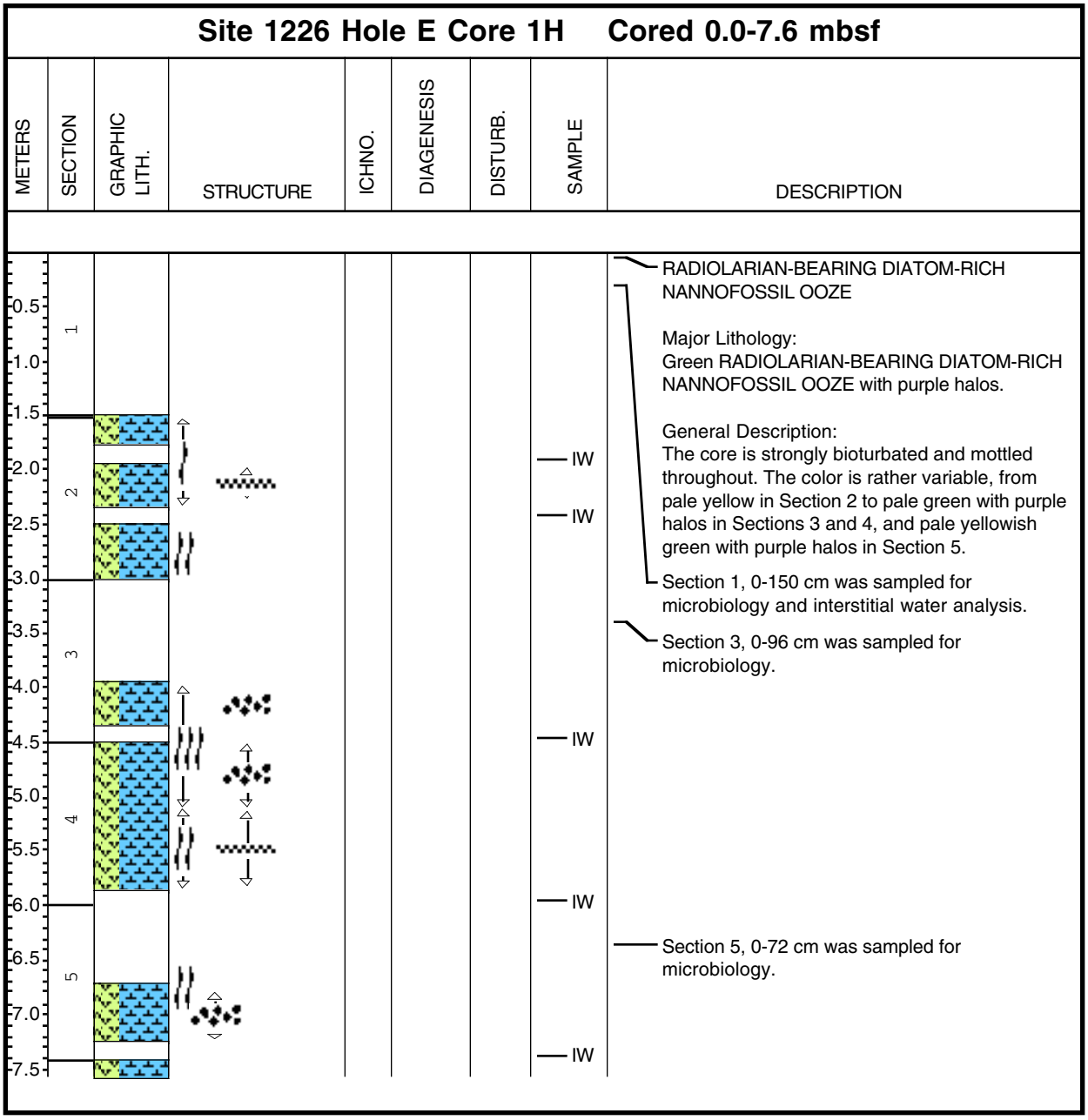
Core Photo


Site 1226 Hole C Core 1H Cored 0.0-7.9 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
1
2
3
4
5
6
SS
SS
RADIOLARIAN-BEARING NANNOFOSSIL-RICH DIATOM OOZE
Mejor lithology:
Pale yellow to pale green
RADIOLARIAN-BEARING NANNOFOSSIL-RICH DIATOM OOZE
General Description:
Moderately mottled and bioturbated sediment.
A densely bioturbated zone with purple reaction halos is present in Sections 3 and 4.
Section 5 designated as training section.

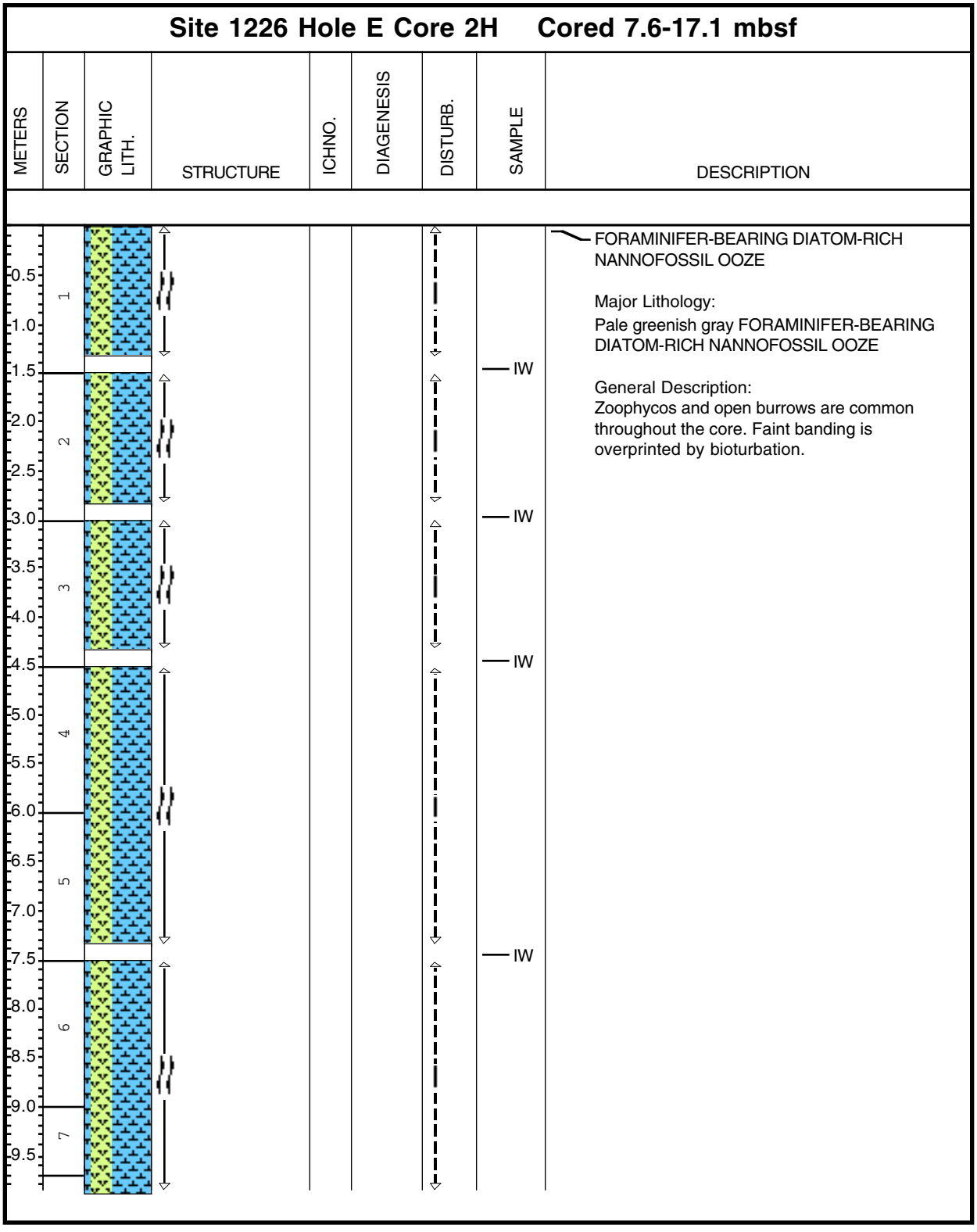
Core Photo


Site 1226 Hole D Core 1H Cored 0.0-7.6 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
1
2
3
4
5
IW
RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Green RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL OOZE with purple reaction halos.
General Description:
Moderately mottled and bioturbated sediment. In Sections 3 and 4 a strongly bioturbated zone with purple reaction halos occurs.

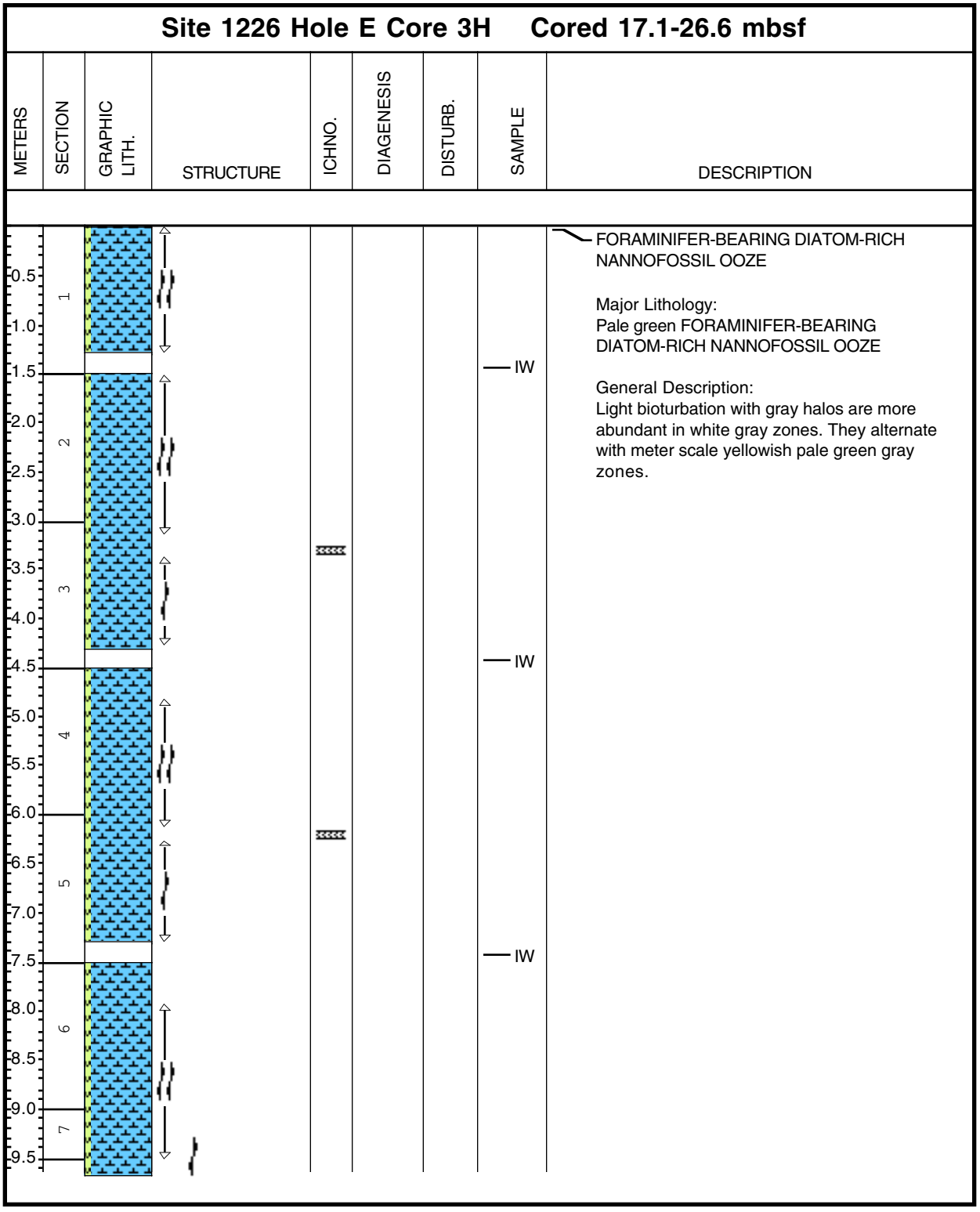
Core Photo


Site 1226 Hole E Core 1H Cored 0.0-7.6 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
1
2
3
4
5
IW
IW
IW
IW
IW
RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Green RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL OOZE with purple halos.
General Description:
The core is strongly bioturbated and mottled throughout. The color is rather variable, from pale yellow in Section 2 to pale green with purple halos in Sections 3 and 4, and pale yellowish green with purple halos in Section 5.
Section 1, 0-150 cm was sampled for microbiology and interstitial water analysis.
Section 3, 0-96 cm was sampled for microbiology.
Section 5, 0-72 cm was sampled for microbiology.

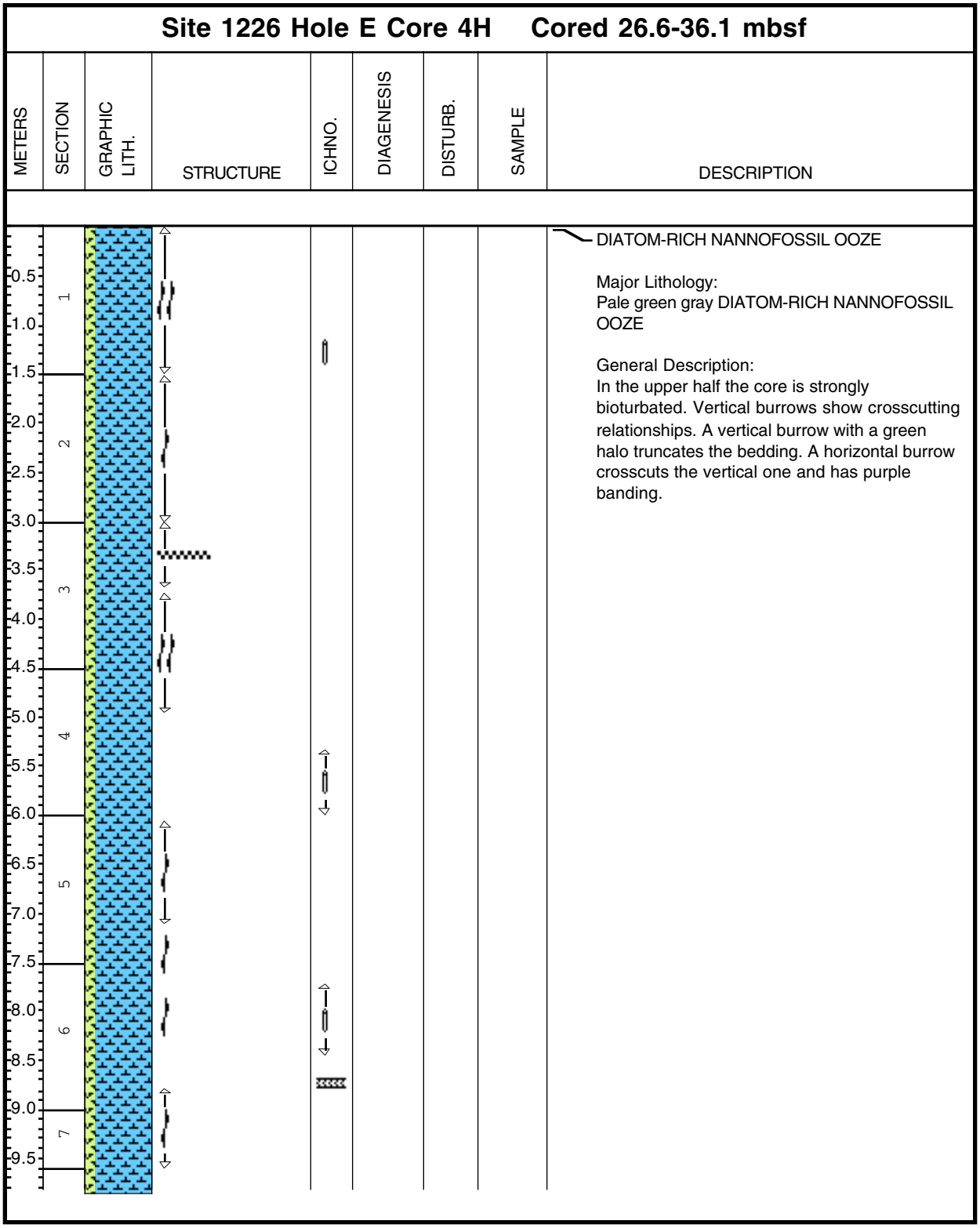
Core Photo


Site 1226 Hole E Core 2H Cored 7.6-17.1 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
IW
IW
IW
FORAMINIFER-BEARING DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray FORAMINIFER-BEARING DIATOM-RICH NANNOFOSSIL OOZE
General Description:
Zoophycos and open burrows are common throughout the core. Faint banding is overprinted by bioturbation.

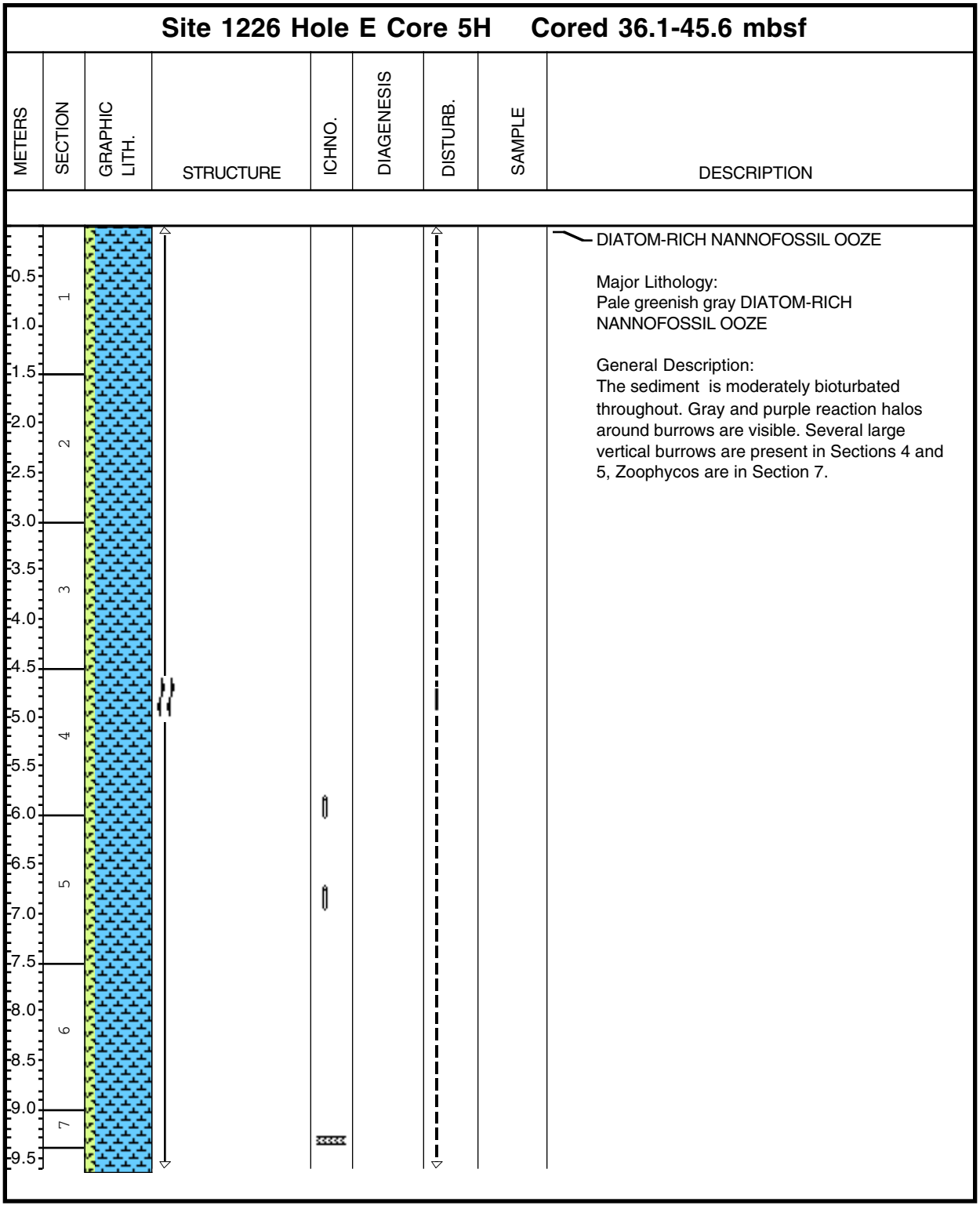
Core Photo


Site 1226 Hole E Core 3H Cored 17.1-26.6 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
IW
IW
FORAMINIFER-BEARING DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale green FORAMINIFER-BEARING DIATOM-RICH NANNOFOSSIL OOZE
General Description:
Light bioturbation with gray halos are more abundant in white gray zones. They alternate with meter scale yellowish pale green gray zones.

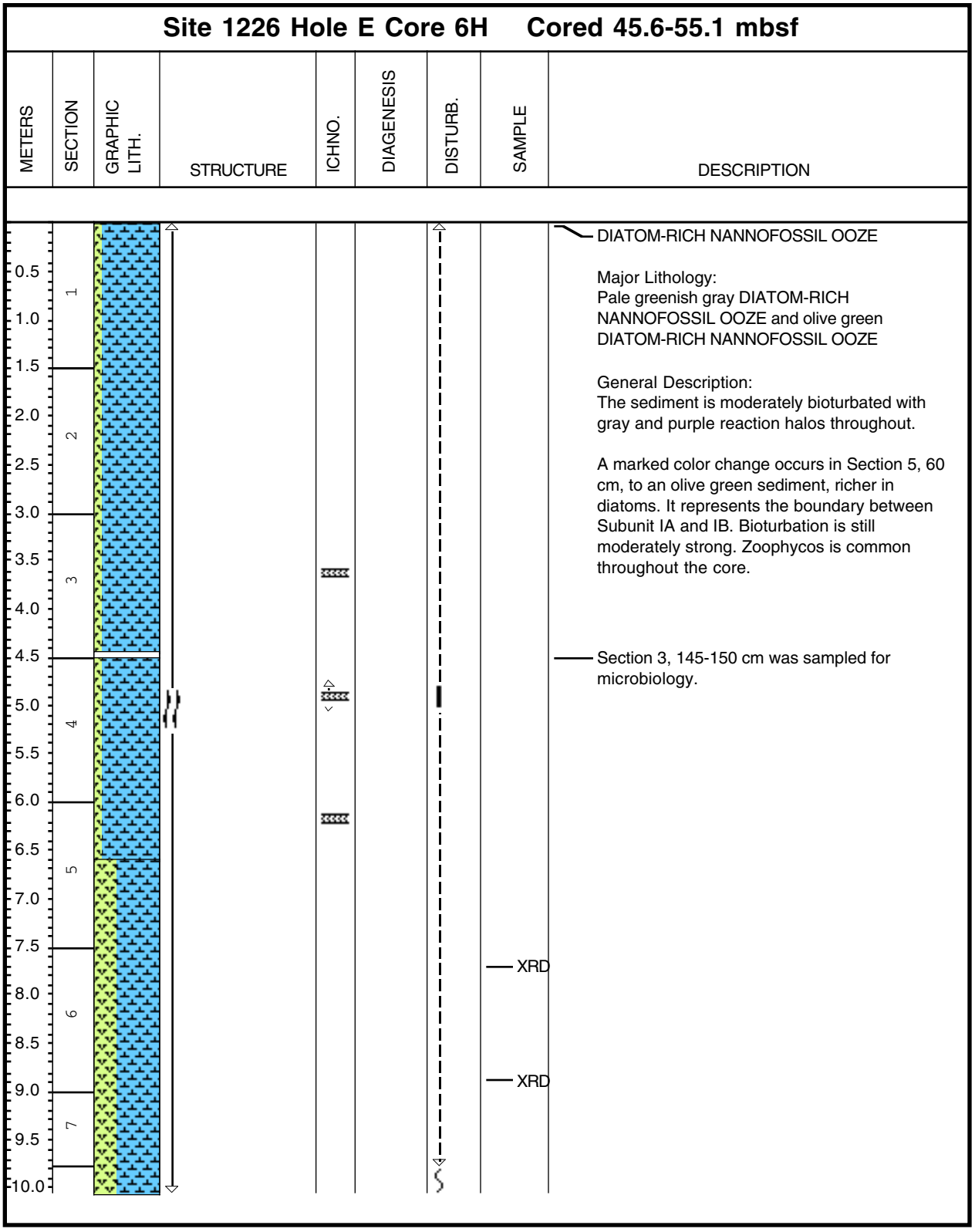
Core Photo


Site 1226 Hole E Core 4H Cored 26.6-36.1 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale green gray DIATOM-RICH NANNOFOSSIL OOZE
General Description:
In the upper half the core is strongly bioturbated. Vertical burrows show crosscutting relationships. A vertical burrow with a green halo truncates the bedding. A horizontal burrow crosscuts the vertical one and has purple banding.

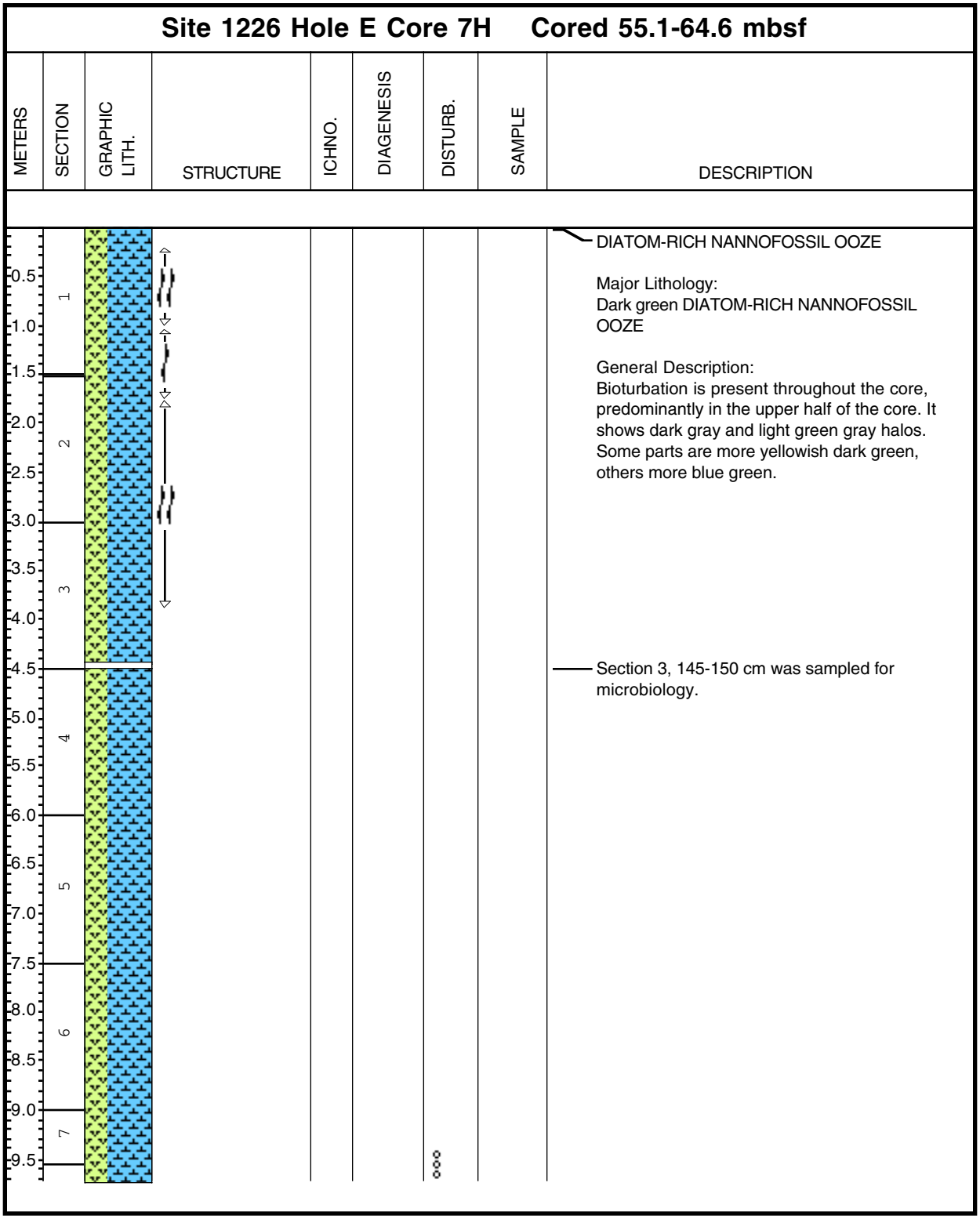
Core Photo


Site 1226 Hole E Core 5H Cored 36.1-45.6 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray DIATOM-RICH NANNOFOSSIL OOZE
General Description:
The sediment is moderately bioturbated throughout. Gray and purple reaction halos around burrows are visible. Several large vertical burrows are present in Sections 4 and 5, Zoophycos are in Section 7.

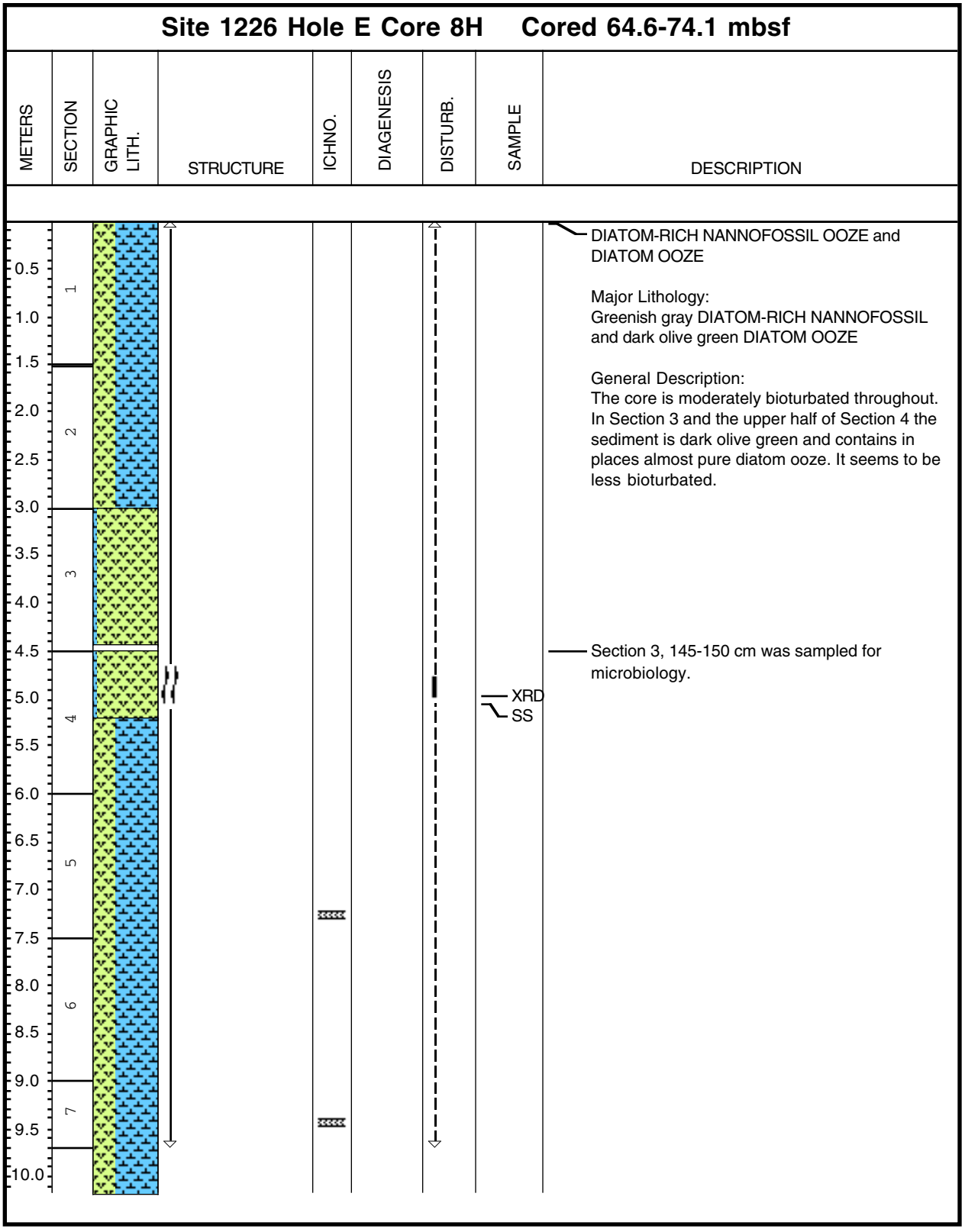
Core Photo


Site 1226 Hole E Core 6H Cored 45.6-55.1 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray DIATOM-RICH NANNOFOSSIL OOZE and olive green DIATOM-RICH NANNOFOSSIL OOZE
General Description:
The sediment is moderately bioturbated with gray and purple reaction halos throughout.
A marked color change occurs in Section 5, 60 cm, to an olive green sediment, richer in diatoms. It represents the boundary between Subunit IA and IB. Bioturbation is still moderately strong. Zoophycos is common throughout the core.
Section 3, 145-150 cm was sampled for microbiology.
XRD
XRD

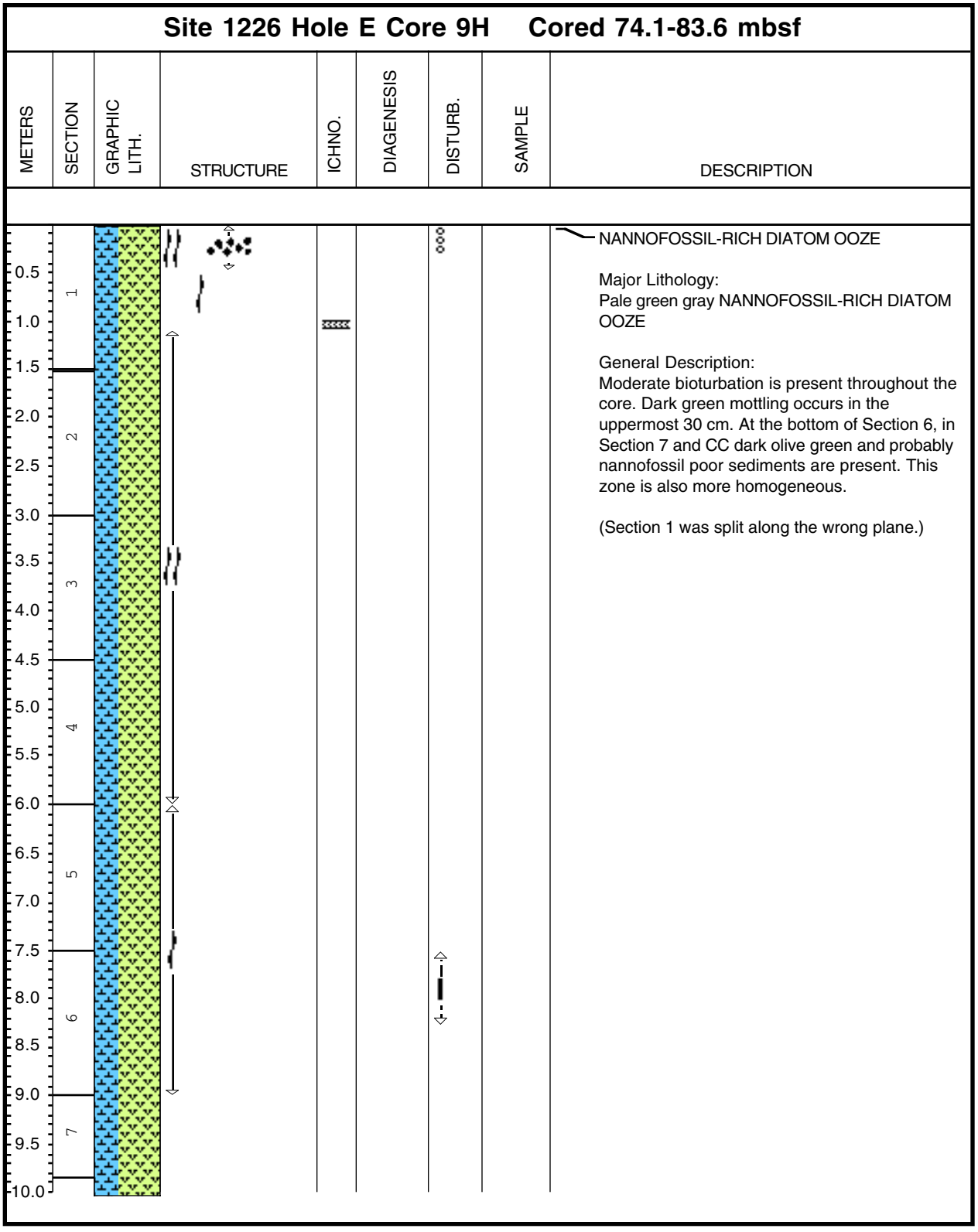
Core Photo


Site 1226 Hole E Core 7H Cored 55.1-64.6 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Dark green DIATOM-RICH NANNOFOSSIL OOZE
General Description:
Bioturbation is present throughout the core, predominantly in the upper half of the core. It shows dark gray and light green gray halos. Some parts are more yellowish dark green, others more blue green.
Section 3, 145-150 cm was sampled for microbiology.

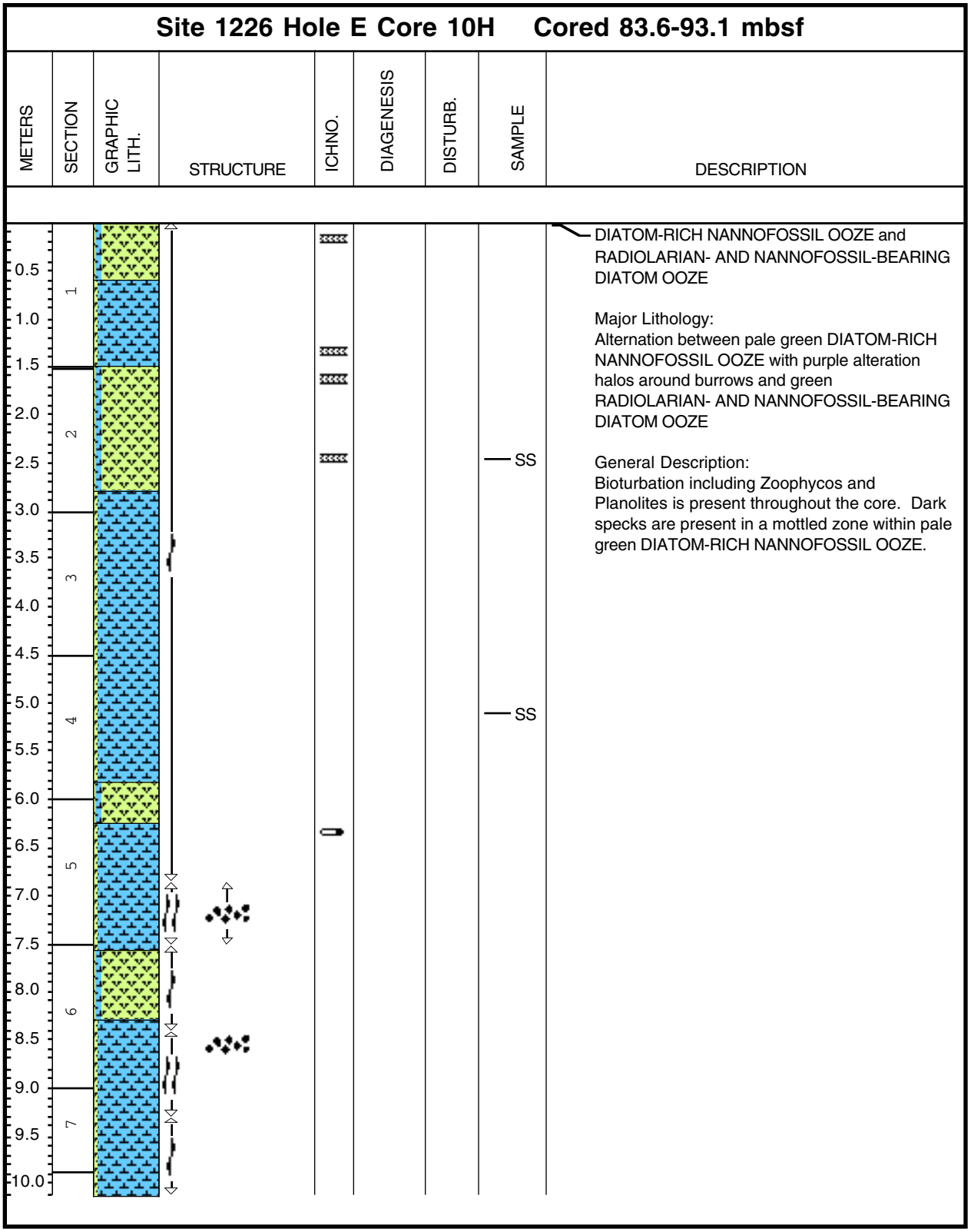
Core Photo


Site 1226 Hole E Core 8H Cored 64.6-74.1 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
XRD
SS
DIATOM-RICH NANNOFOSSIL OOZE and DIATOM OOZE
Major Lithology:
Greenish gray DIATOM-RICH NANNOFOSSIL and dark olive green DIATOM OOZE
General Description:
The core is moderately bioturbated throughout. In Section 3 and the upper half of Section 4 the sediment is dark olive green and contains in places almost pure diatom ooze. It seems to be less bioturbated.
Section 3, 145-150 cm was sampled for microbiology.

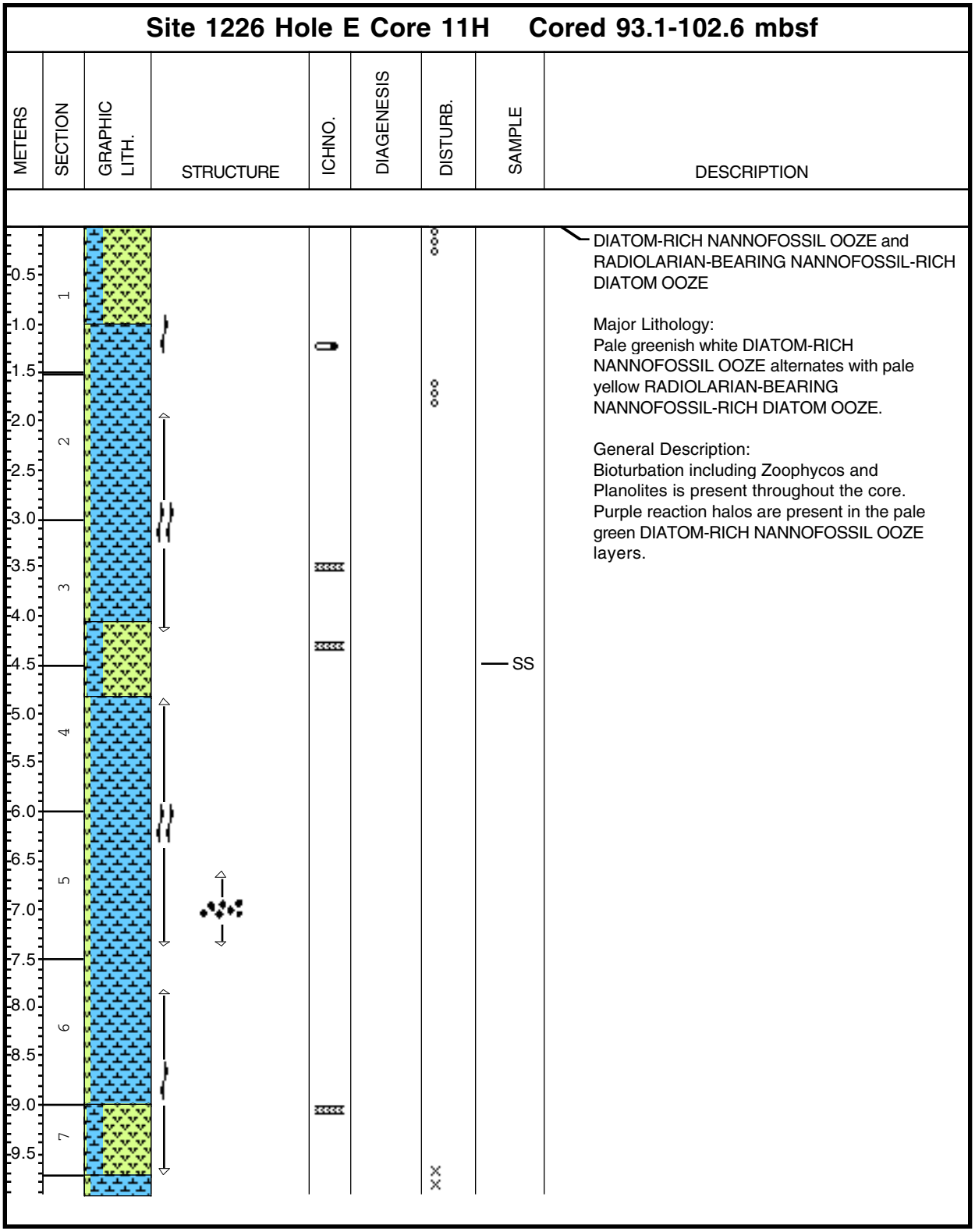
Core Photo


Site 1226 Hole E Core 9H Cored 74.1-83.6 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
NANNOFOSSIL-RICH DIATOM OOZE
Major Lithology:
Pale green gray NANNOFOSSIL-RICH DIATOM OOZE
General Description:
Moderate bioturbation is present throughout the core. Dark green mottling occurs in the uppermost 30 cm. At the bottom of Section 6, in Section 7 and CC dark olive green and probably nannofossil poor sediments are present. This zone is also more homogeneous.
(Section 1 was split along the wrong plane.)

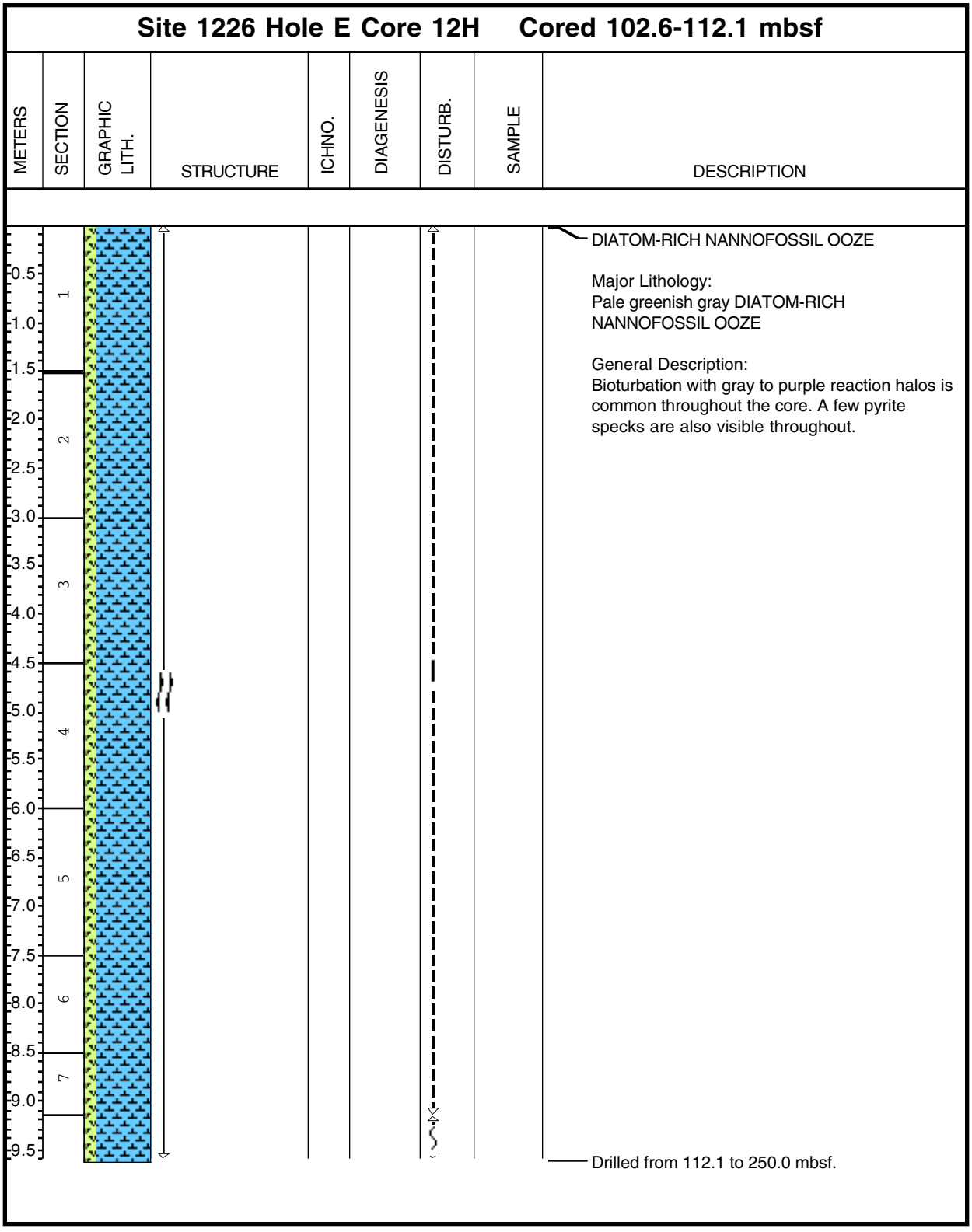
Core Photo


Site 1226 Hole E Core 10H Cored 83.6-93.1 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
SS
SS
DIATOM-RICH NANNOFOSSIL OOZE and RADIOLARIAN- AND NANNOFOSSIL-BEARING DIATOM OOZE
Major Lithology:
Alternation between pale green DIATOM-RICH NANNOFOSSIL OOZE with purple alteration halos around burrows and green RADIOLARIAN- AND NANNOFOSSIL-BEARING DIATOM OOZE
General Description:
Bioturbation including Zoophycos and Planolites is present throughout the core. Dark specks are present in a mottled zone within pale green DIATOM-RICH NANNOFOSSIL OOZE.

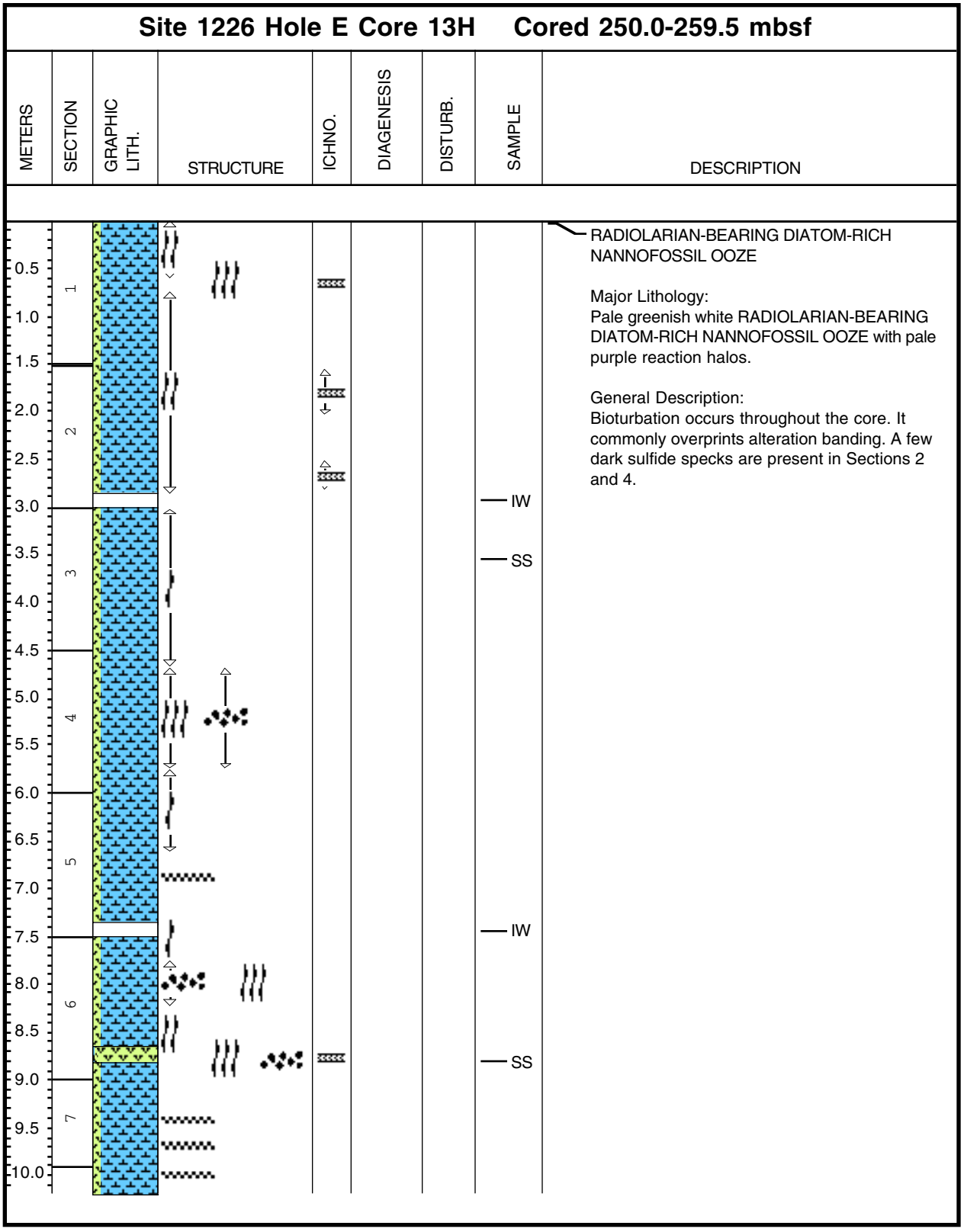
Core Photo


Site 1226 Hole E Core 11H Cored 93.1-102.6 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
SS
DIATOM-RICH NANNOFOSSIL OOZE and RADIOLARIAN-BEARING NANNOFOSSIL-RICH DIATOM OOZE
Major Lithology:
Pale greenish white DIATOM-RICH NANNOFOSSIL OOZE alternates with pale yellow RADIOLARIAN-BEARING NANNOFOSSIL-RICH DIATOM OOZE.
General Description:
Bioturbation including Zoophycos and Planolites is present throughout the core. Purple reaction halos are present in the pale green DIATOM-RICH NANNOFOSSIL OOZE layers.

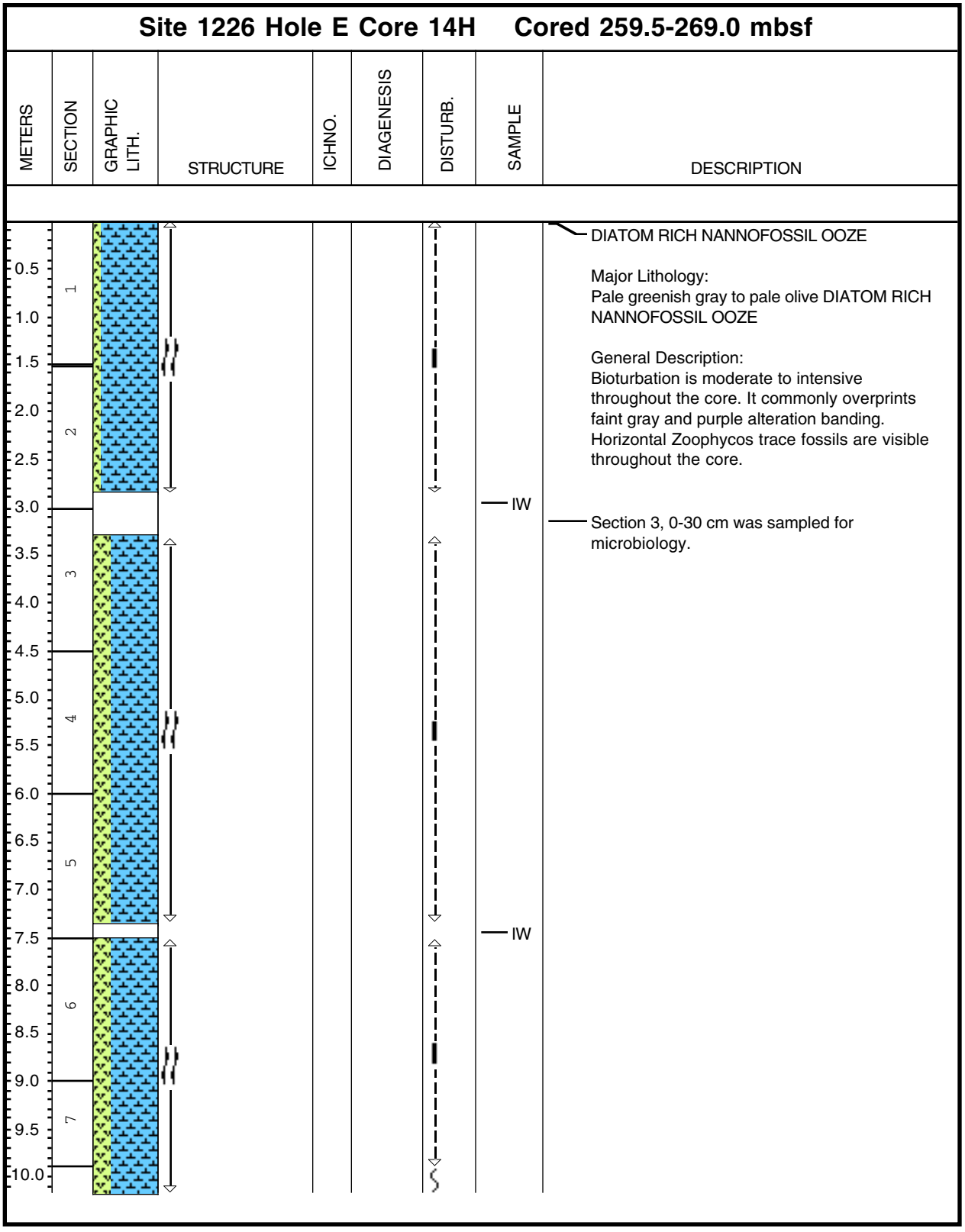
Core Photo


Site 1226 Hole E Core 12H Cored 102.6-112.1 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray DIATOM-RICH NANNOFOSSIL OOZE
General Description:
Bioturbation with gray to purple reaction halos is common throughout the core. A few pyrite specks are also visible throughout.
Drilled from 112.1 to 250.0 mbsf.

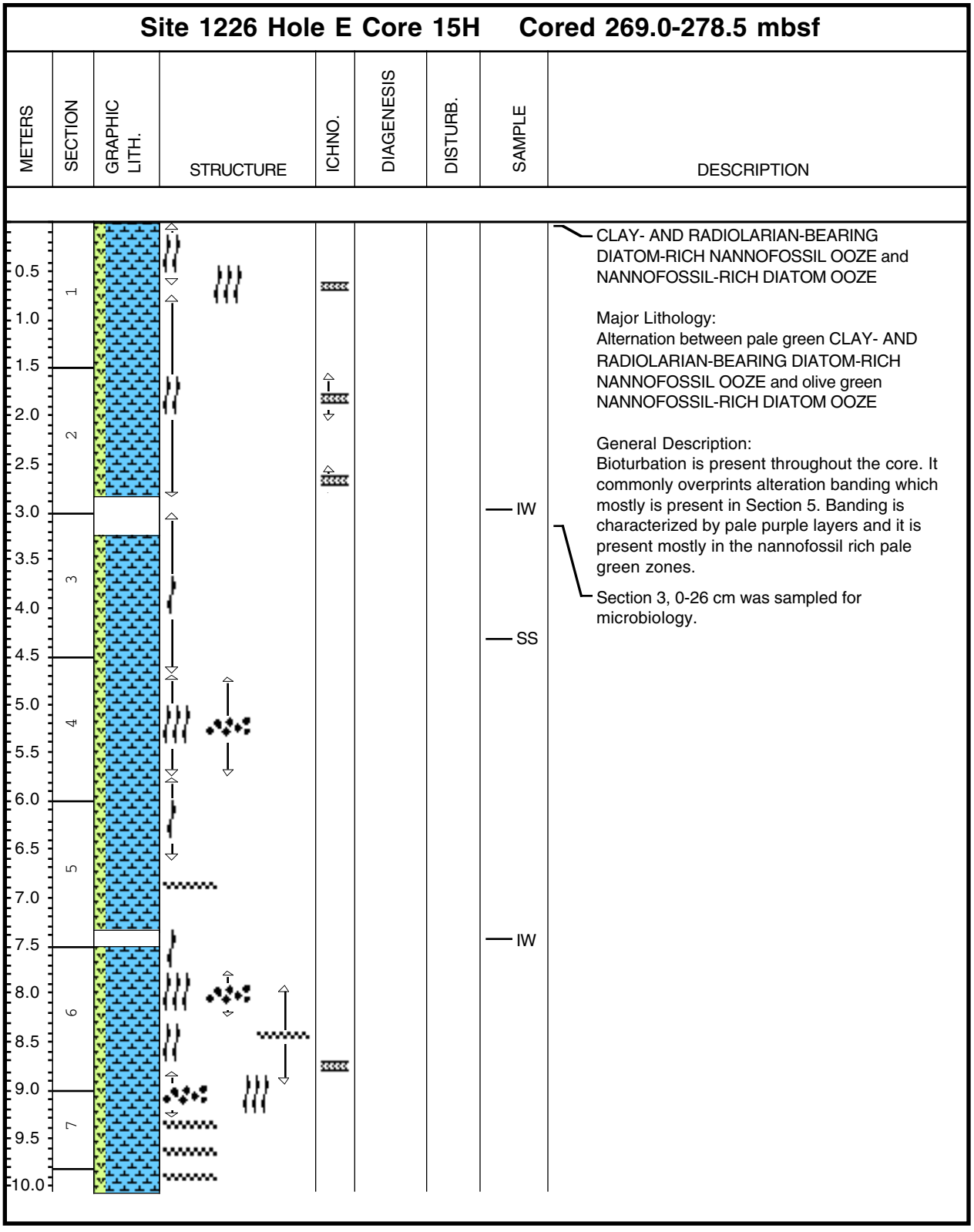
Core Photo


Site 1226 Hole E Core 13H Cored 250.0-259.5 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
SS
IW
SS
RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish white RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL OOZE with pale purple reaction halos.
General Description:
Bioturbation occurs throughout the core. It commonly overprints alteration banding. A few dark sulfide specks are present in Sections 2 and 4.

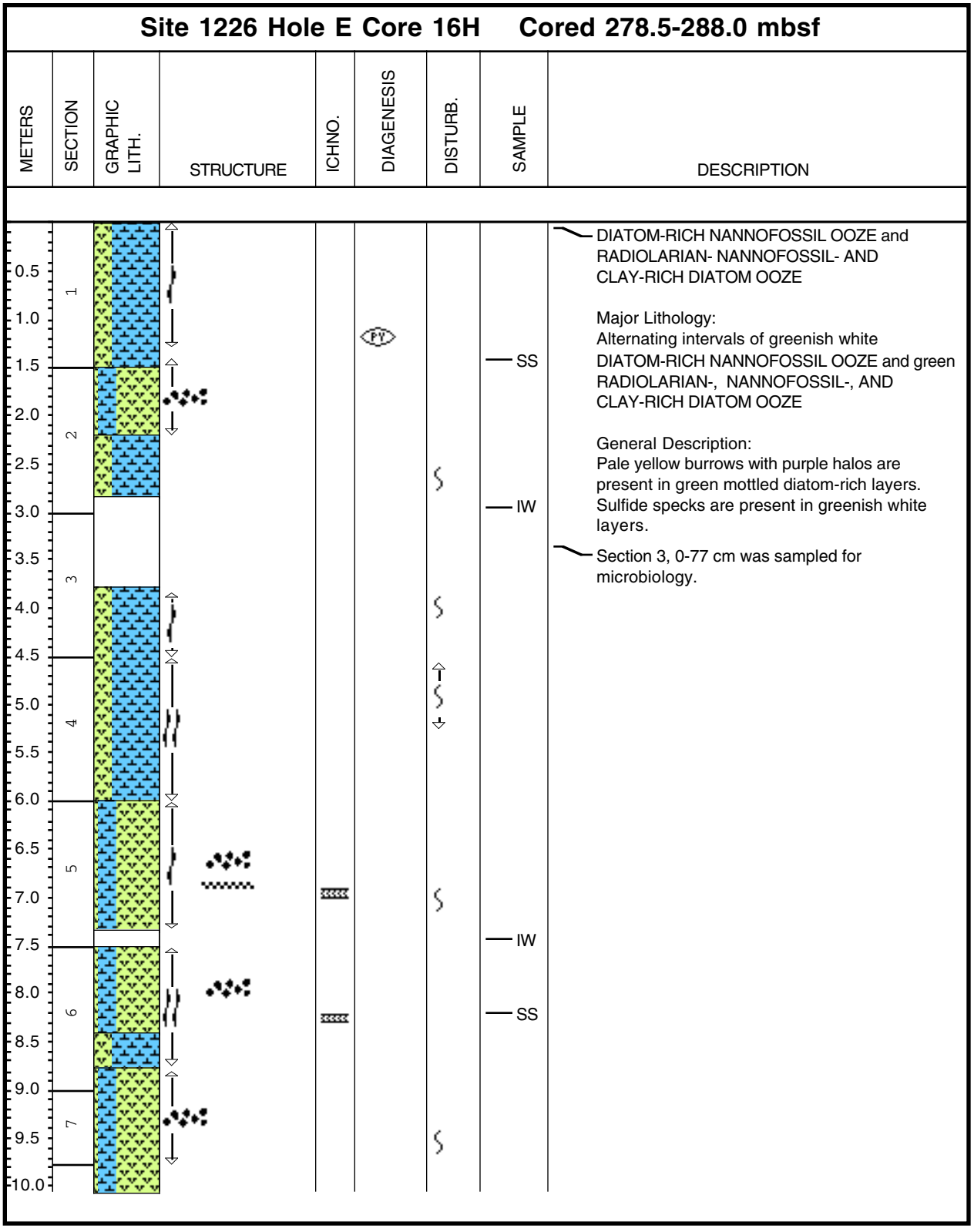
Core Photo


Site 1226 Hole E Core 14H Cored 259.5-269.0 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
IW
DIATOM RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray to pale olive DIATOM RICH NANNOFOSSIL OOZE
General Description:
Bioturbation is moderate to intensive throughout the core. It commonly overprints faint gray and purple alteration banding. Horizontal Zoophycos trace fossils are visible throughout the core.
Section 3, 0-30 cm was sampled for microbiology.

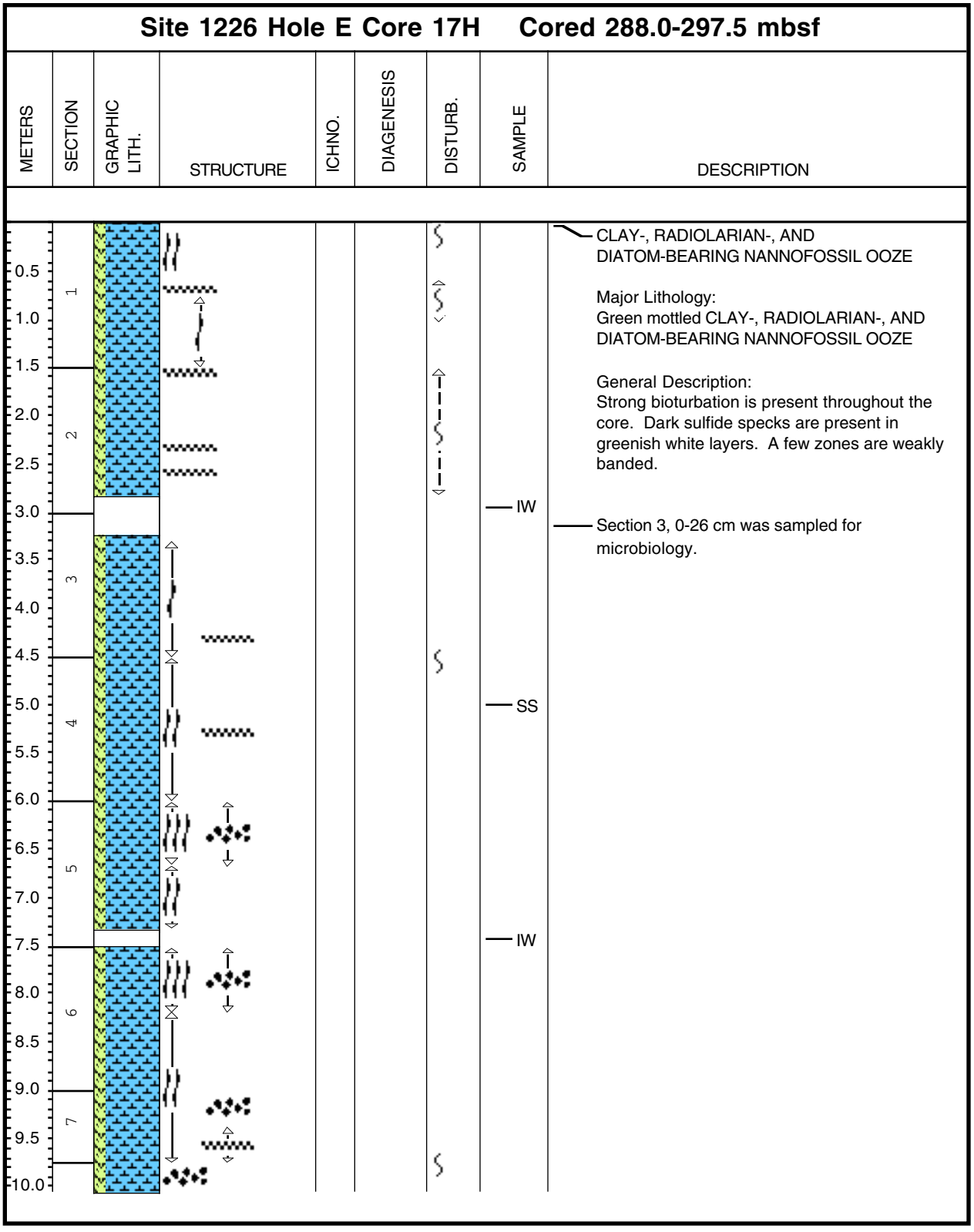
Core Photo


Site 1226 Hole E Core 15H Cored 269.0-278.5 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
SS
IW
CLAY- AND RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL OOZE and NANNOFOSSIL-RICH DIATOM OOZE
Major Lithology:
Alternation between pale green CLAY- AND RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL OOZE and olive green NANNOFOSSIL-RICH DIATOM OOZE
General Description:
Bioturbation is present throughout the core. It commonly overprints alteration banding which mostly is present in Section 5. Banding is characterized by pale purple layers and it is present mostly in the nannofossil rich pale green zones.
Section 3, 0-26 cm was sampled for microbiology.

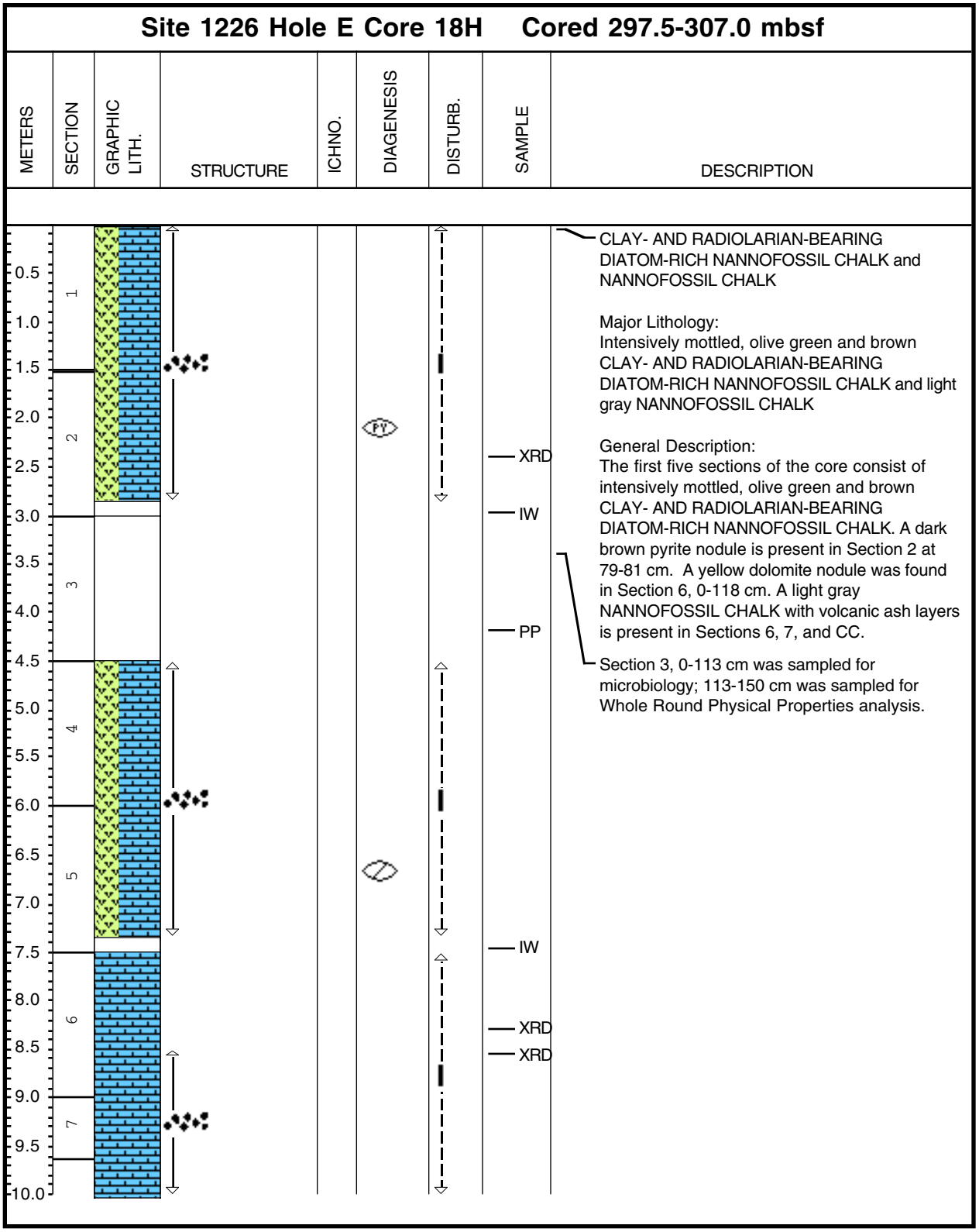
Core Photo


Site 1226 Hole E Core 16H Cored 278.5-288.0 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
PY
SS
IW
IW
SS
DIATOM-RICH NANNOFOSSIL OOZE and RADIOLARIAN- NANNOFOSSIL- AND CLAY-RICH DIATOM OOZE
Major Lithology:
Alternating intervals of greenish white DIATOM-RICH NANNOFOSSIL OOZE and green RADIOLARIAN-, NANNOFOSSIL-, AND CLAY-RICH DIATOM OOZE
General Description:
Pale yellow burrows with purple halos are present in green mottled diatom-rich layers. Sulfide specks are present in greenish white layers.
Section 3, 0-77 cm was sampled for microbiology.

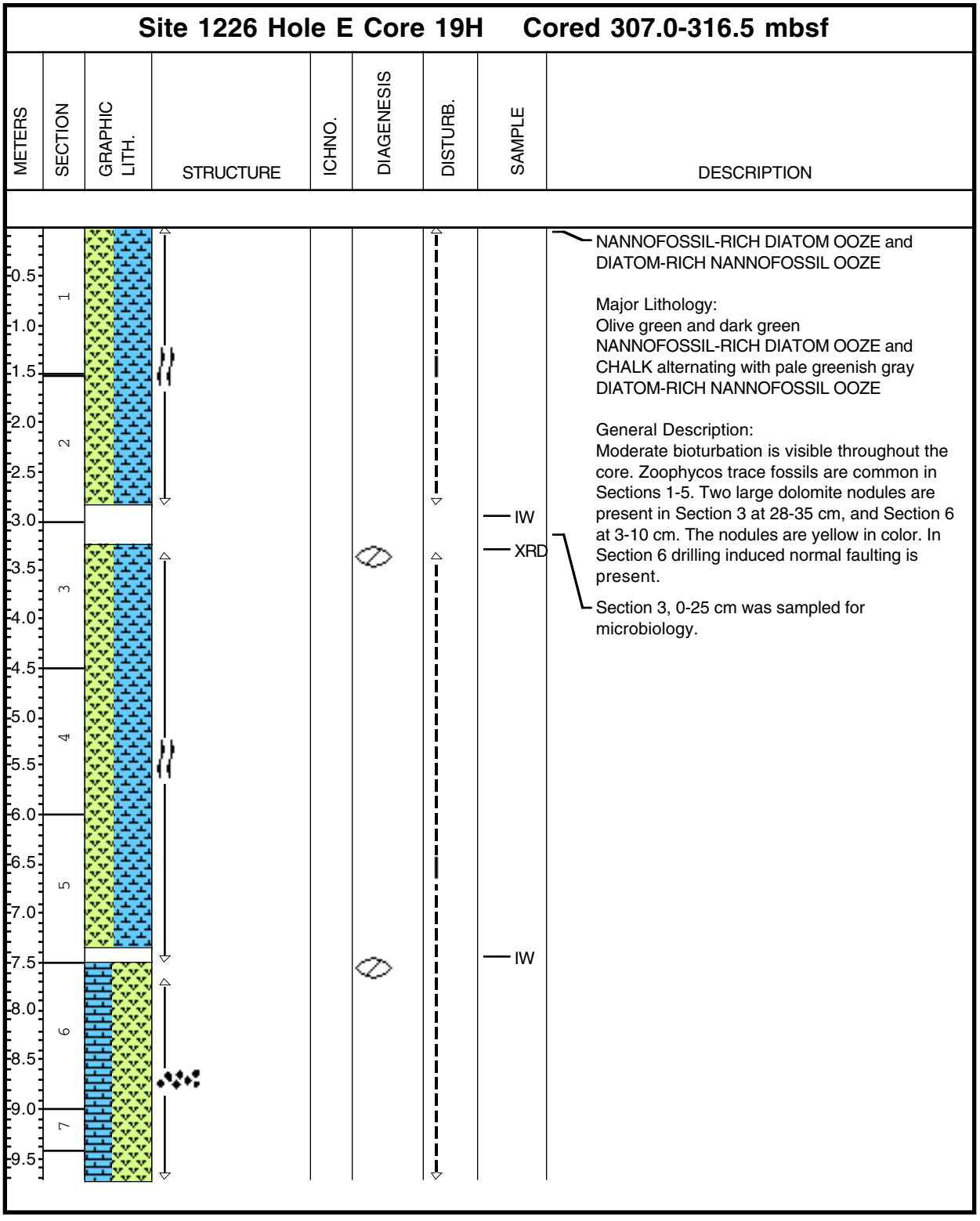
Core Photo


Site 1226 Hole E Core 17H Cored 288.0-297.5 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
IW
SS
IW
CLAY-, RADIOLARIAN-, AND DIATOM-BEARING NANNOFOSSIL OOZE
Major Lithology:
Green mottled CLAY-, RADIOLARIAN-, AND DIATOM-BEARING NANNOFOSSIL OOZE
General Description:
Strong bioturbation is present throughout the core. Dark sulfide specks are present in greenish white layers. A few zones are weakly banded.
Section 3, 0-26 cm was sampled for microbiology.

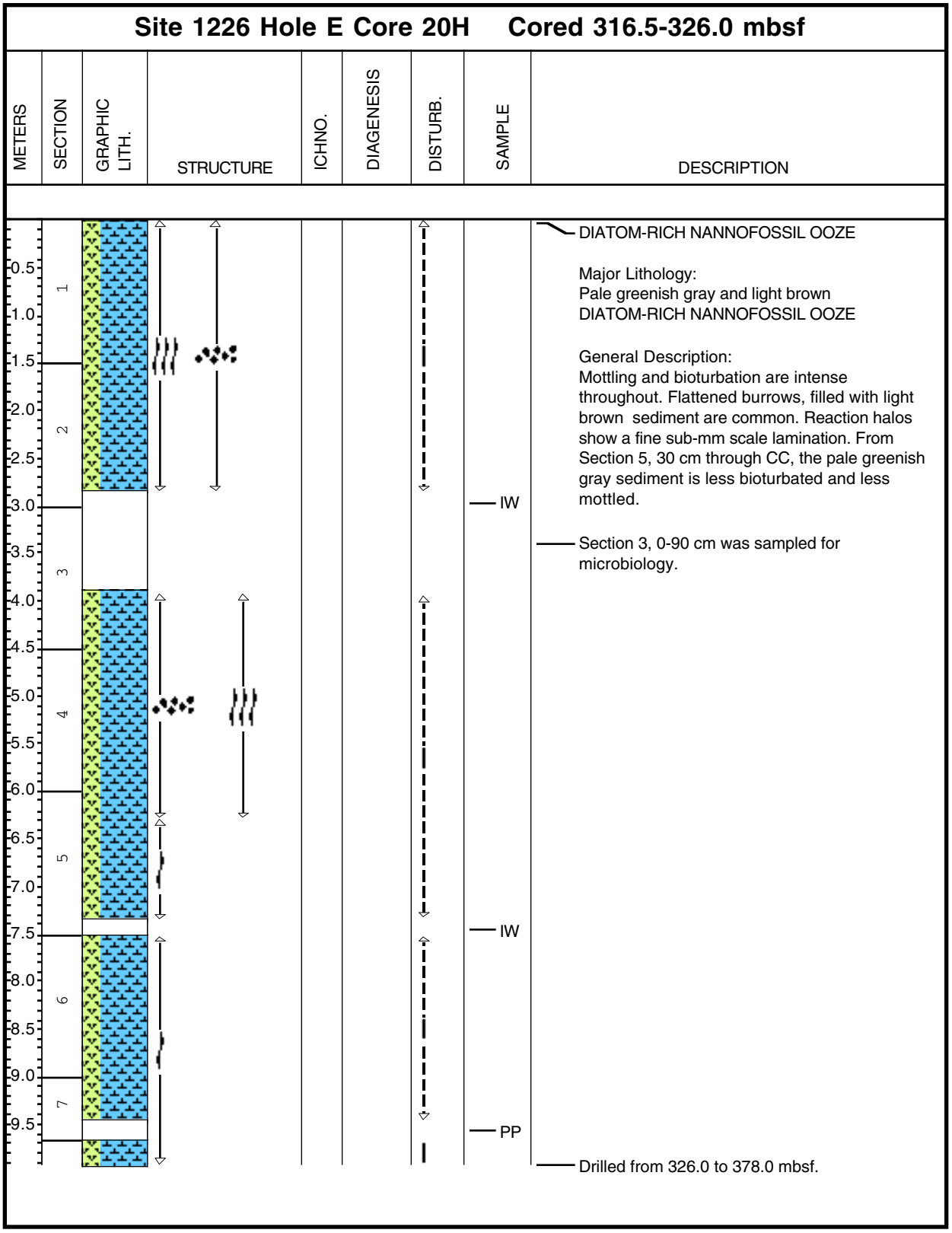
Core Photo


Site 1226 Hole E Core 18H Cored 297.5-307.0 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
1
2
3
4
5
6
7
PY
XRD
IW
PP
IW
XRD
XRD
CLAY- AND RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL CHALK and NANNOFOSSIL CHALK
Major Lithology:
Intensively mottled, olive green and brown CLAY- AND RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL CHALK and light gray NANNOFOSSIL CHALK
General Description:
The first five sections of the core consist of intensively mottled, olive green and brown CLAY- AND RADIOLARIAN-BEARING DIATOM-RICH NANNOFOSSIL CHALK. A dark brown pyrite nodule is present in Section 2 at 79-81 cm. A yellow dolomite nodule was found in Section 6, 0-118 cm. A light gray NANNOFOSSIL CHALK with volcanic ash layers is present in Sections 6, 7, and CC.
Section 3, 0-113 cm was sampled for microbiology; 113-150 cm was sampled for Whole Round Physical Properties analysis.

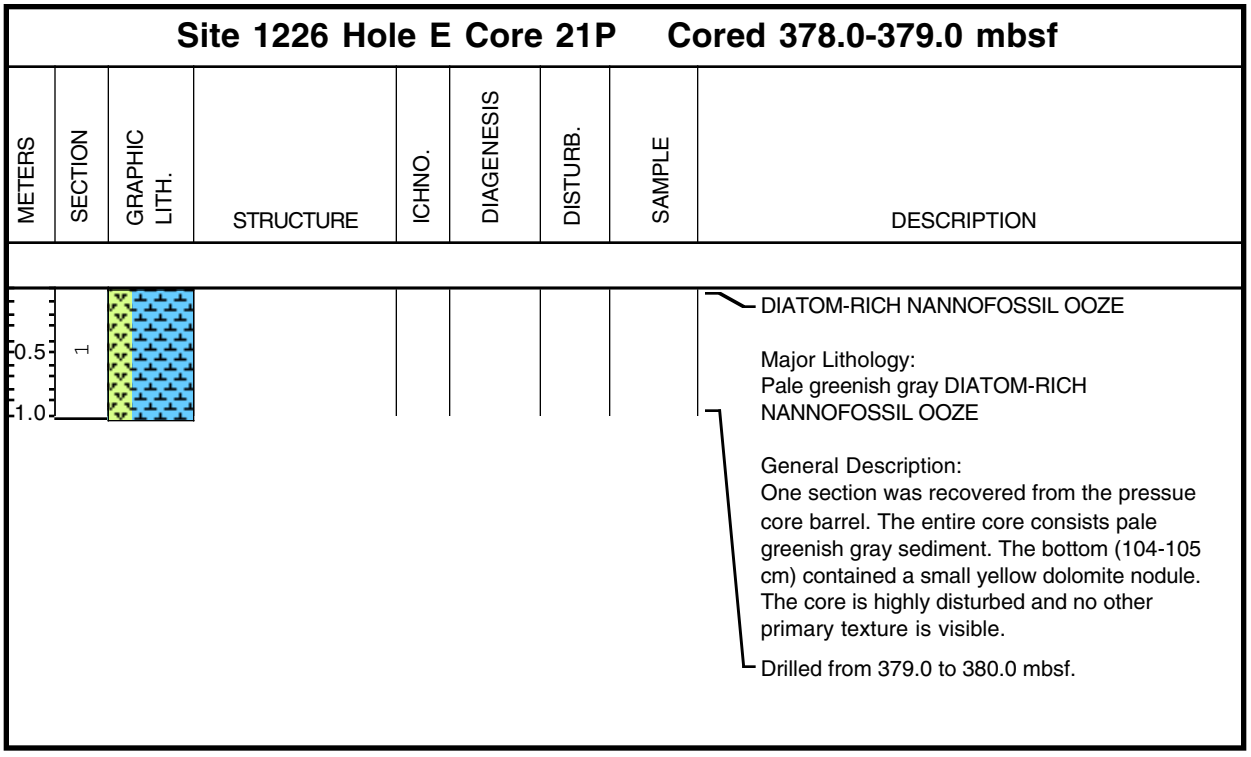
Core Photo


Site 1226 Hole E Core 19H Cored 307.0-316.5 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
XRD
IW
NANNOFOSSIL-RICH DIATOM OOZE and DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Olive green and dark green NANNOFOSSIL-RICH DIATOM OOZE and CHALK alternating with pale greenish gray DIATOM-RICH NANNOFOSSIL OOZE
General Description:
Moderate bioturbation is visible throughout the core. Zoophycos trace fossils are common in Sections 1-5. Two large dolomite nodules are present in Section 3 at 28-35 cm, and Section 6 at 3-10 cm. The nodules are yellow in color. In Section 6 drilling induced normal faulting is present.
Section 3, 0-25 cm was sampled for microbiology.

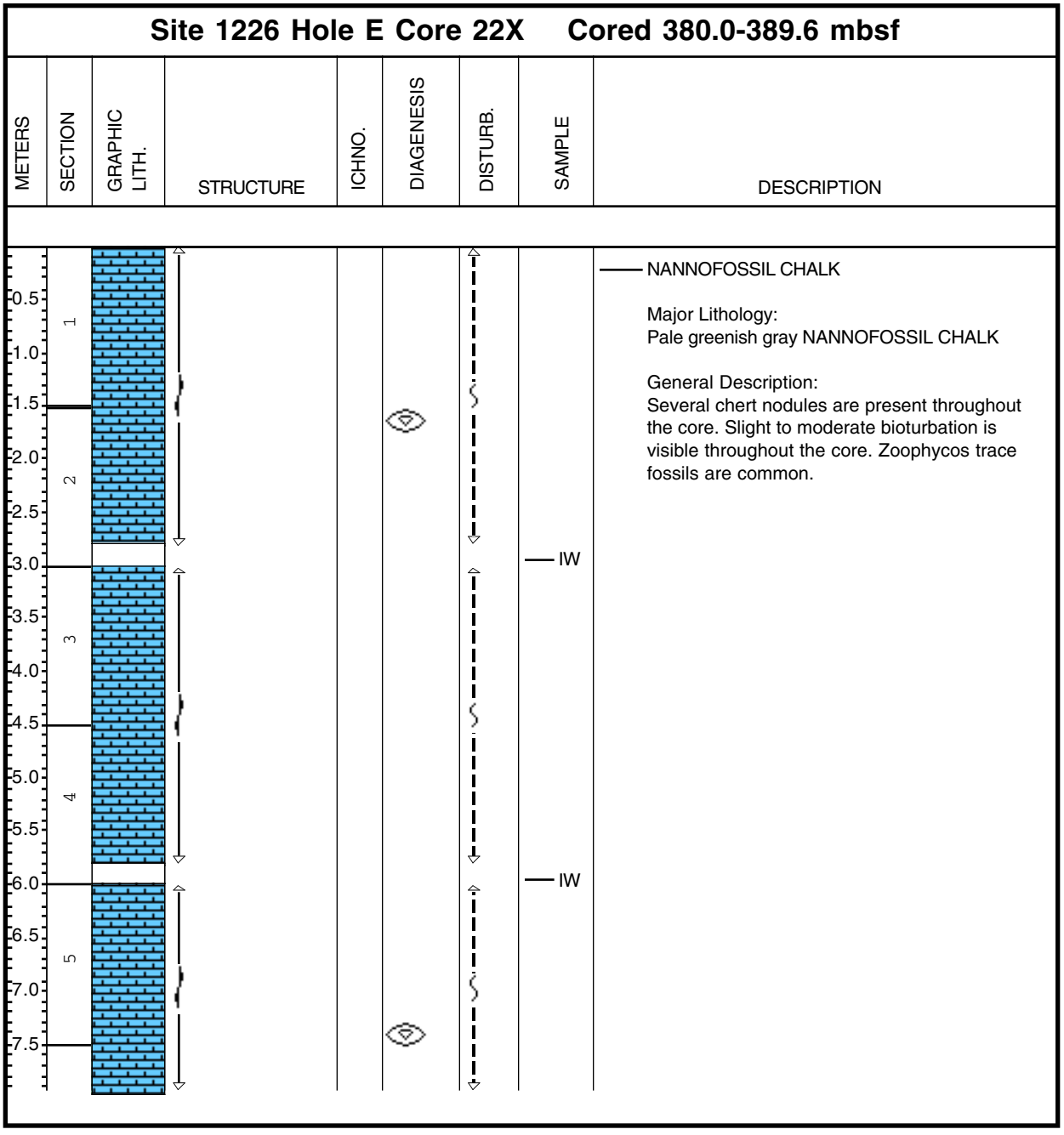
Core Photo


Site 1226 Hole E Core 20H Cored 316.5-326.0 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
IW
PP
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray and light brown
DIATOM-RICH NANNOFOSSIL OOZE
General Description:
Mottling and bioturbation are intense throughout. Flattened burrows, filled with light brown sediment are common. Reaction halos show a fine sub-mm scale lamination. From Section 5, 30 cm through CC, the pale greenish gray sediment is less bioturbated and less mottled.
Section 3, 0-90 cm was sampled for microbiology.
Drilled from 326.0 to 378.0 mbsf.

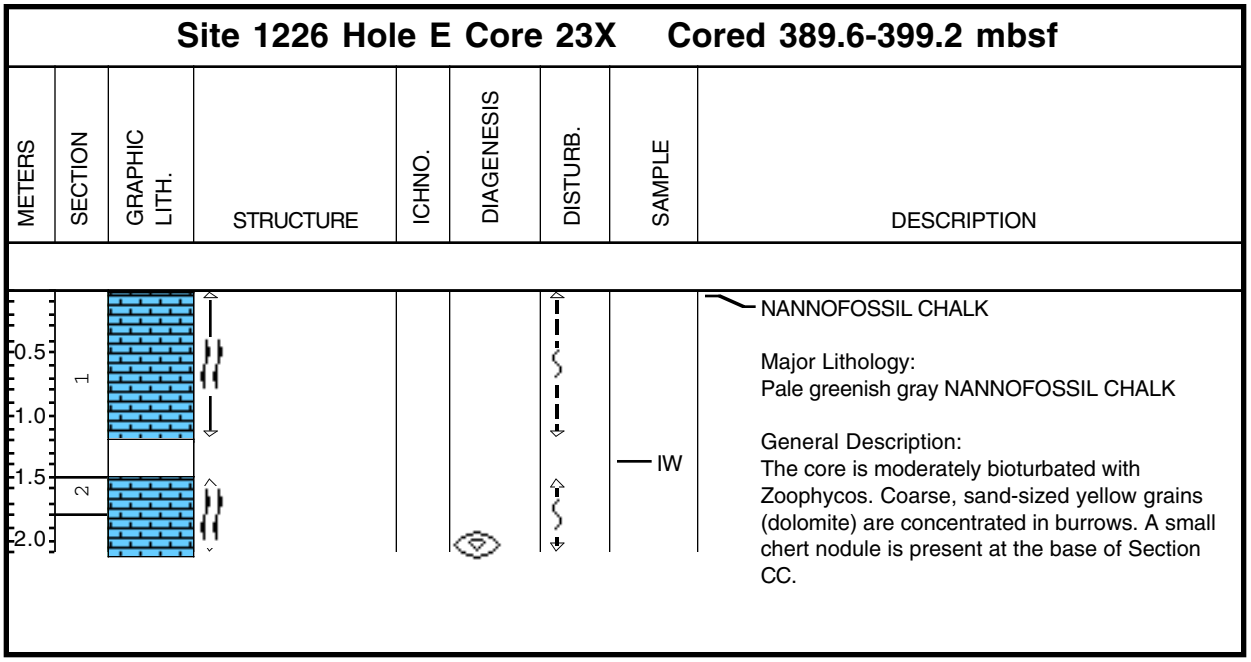
Core Photo


Site 1226 Hole E Core 21P Cored 378.0-379.0 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1
DIATOM-RICH NANNOFOSSIL OOZE
Major Lithology:
Pale greenish gray DIATOM-RICH NANNOFOSSIL OOZE
General Description:
One section was recovered from the pressue core barrel. The entire core consists pale greenish gray sediment. The bottom (104-105 cm) contained a small yellow dolomite nodule. The core is highly disturbed and no other primary texture is visible.
Drilled from 379.0 to 380.0 mbsf.

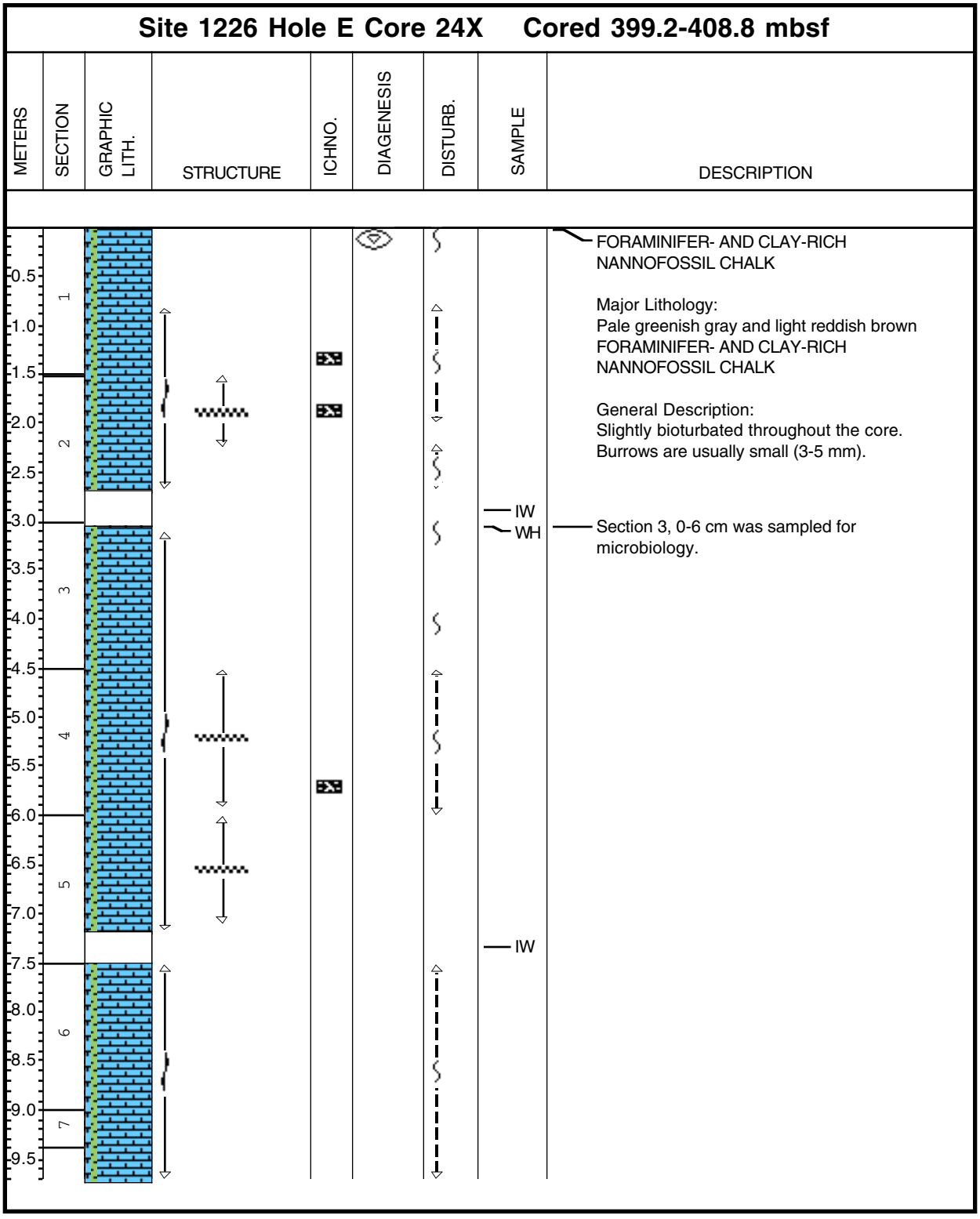
Core Photo


Site 1226 Hole E Core 22X Cored 380.0-389.6 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
1
2
3
4
5
IW
IW
NANNOFOSSIL CHALK
Major Lithology:
Pale greenish gray NANNOFOSSIL CHALK
General Description:
Several chert nodules are present throughout the core. Slight to moderate bioturbation is visible throughout the core. Zoophycos trace fossils are common.

Core Photo

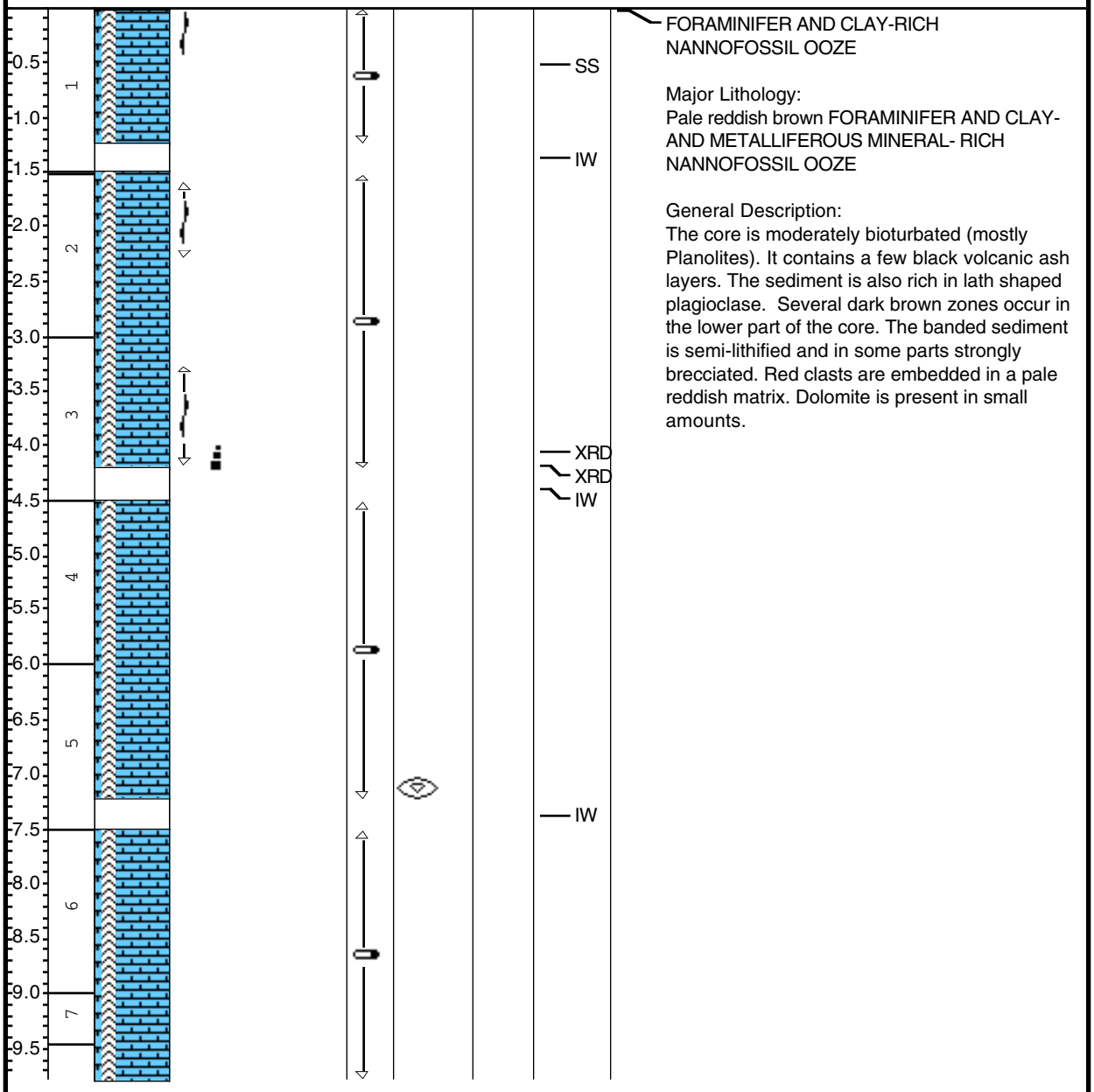

Site 1226 Hole E Core 23X Cored 389.6-399.2 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
1
2
IW
NANNOFOSSIL CHALK
Major Lithology:
Pale greenish gray NANNOFOSSIL CHALK
General Description:
The core is moderately bioturbated with Zoophycos. Coarse, sand-sized yellow grains (dolomite) are concentrated in burrows. A small chert nodule is present at the base of Section CC.

Core Photo


Site 1226 Hole E Core 24X Cored 399.2-408.8 mbsf
METERS
SECTION
GRAPHIC LITH.
STRUCTURE
ICHNO.
DIAGENESIS
DISTURB.
SAMPLE
DESCRIPTION
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
1
2
3
4
5
6
7
IW
WH
IW
FORAMINIFER- AND CLAY-RICH NANNOFOSSIL CHALK
Major Lithology:
Pale greenish gray and light reddish brown FORAMINIFER- AND CLAY-RICH NANNOFOSSIL CHALK
General Description:
Slightly bioturbated throughout the core. Burrows are usually small (3-5 mm).
Section 3, 0-6 cm was sampled for microbiology.

Core Photo

Site 1226 Hole E Core 25X Cored 408.8-418.4 mbsf



Sample						Mineral											Biogenic								Rock	
Core	CT	Sct	Top (cm)	Depth (mbsf)	Lithology	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Feldspar (71)	Glauconite (82)	Mica (118)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Quartz (172)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	Volcanic Glass Shard (246)	Comments
Hole A																								
1	H	1	80	0.80	D											50		1	48	1				Nannofossil-rich Diatom Ooze
1	H	3	140	4.40	D											50		1	47	1	1			Nannofossil-rich Diatom Ooze
Hole B																								
2	H	5	50	10.90	D											25		5	67	2	1			Foraminifer-bearing Diatom-rich Nannofossil-Ooze
2	H	6	20	12.10	D											15		5	76	2	2			Foraminifer-bearing Diatom-rich Nannofossil-Ooze
3	H	1	30	14.20	D											10		5	83	1	1			Foraminifer-bearing Diatom-rich Nannofossil-Ooze
3	H	6	110	22.50	D											35		5	56	2	1	1		Foraminifer-bearing Diatom-rich Nannofossil-Ooze
4	H	3	120	27.60	D											15		4	75	2	4			Diatom-rich Nannofossil Ooze
5	H	3	70	36.60	D	1										10		1	85	1	2			Diatom-rich Nannofossil Ooze
5	H	4	88	38.28	D	1										9		1	86	1	2			Diatom-bearing Nannofossil Ooze
5	H	4	91	38.31	M	1										10		2	83	2	2			Diatom-rich Nannofossil Ooze
6	H	5	10	48.50	D											8			84	4	4			Diatom-bearing Nannofossil Ooze
6	H	7	58	51.98	D							1				25			70	1	3			Diatom-rich Nannofossil Ooze
7	H	2	17	53.57	D	1								1		73			20	2	2	1		Nannofossil-rich Diatom Ooze
7	H	2	90	54.30	D	2										20			69	5	4			Radiolarian-bearing Diatom-rich Nannofossil Ooze
8	H	6	100	69.90	D	1						1				82			10	5	1			Radiolarian- and Nannofossil-bearing Diatom Ooze
8	H	7	40	70.80	D	1										77		1	15	5	1			Radiolarian-bearing Nannofossil-rich Diatom Ooze
9	H	6	90	79.30	D											30	1		63	5	1			Radiolarian-bearing Diatom-rich Nannofossil Ooze
10	H	2	110	83.00	D											50		5	35	5	5			Foraminifer-&Radiolarian-bearing Nannofossil-rich Diatom Ooze
10	H	4	60	85.50	D											20		5	68	5	2			Form- and Radiolarian-bearing Diatom-rich Nannofossil Ooze
11	H	1	100	90.90	D											57		5	25	8	5			Foraminifer- and Radiolarian-bearing Nannofossil-rich Diatom Ooze
11	H	4	80	95.20	D											35		5	54	5	1			Foraminifer- and Radiolarian-bearing Diatom-rich Nannofossil Ooze
12	H	2	121	102.11	D	1										20	1		75	2	1			Diatom-rich Nannofossil Ooze
12	H	4	36	104.26	M											20	1	2	72	4	1			Diatom-rich Nannofossil Ooze
13	H	5	110	116.00	D											30	1	3	62	3	1			Diatom-rich Nannofossil Ooze
13	H	6	20	116.60	M	1								1		81	1		9	3	4			Nannofossil-bearing Diatom Ooze
14	H	5	103	125.43	D											35	5		53	5	2			Forainifer- and Radiolarian-bearing Diatom-rich Nannofossil Ooze
15	H	2	70	130.10	D	1								1		35		1	53	8	1			Radiolarian-bearing Diatom-rich Nannofossil Ooze
15	H	4	30	132.70	D									1		74		2	15	7	1			Radiolarian-bearing Nannofossil-rich Diatom Ooze
16	H	6	80	145.70	D							1				4		1	90	2	2			Nannofossil Ooze
17	H	4	43	151.83	D	1						1				30			64	2	2			Diatom-rich Nannofossil Ooze
17	H	4	96	152.36	M							1				30			65	3	1			Diatom-rich Nannofossil Ooze
18	H	5	65	163.05	D											25			69	3	3			Diatom-rich Nannofossil Ooze
18	H	6	130	165.20	D											4		1	92	1	2			Nannofossil Ooze
19	H	7	30	175.20	D											4		1	93	1	1			Nannofossil Ooze
20	H	5	100	182.40	D											8			90	1	1			Diatom-bearing Nannofossil Ooze
20	H	6	110	184.00	D											10			87	1	2			Diatom-bearing Nannofossil Ooze
21	H	6	44	192.84	D							1				10			85	2	2			Diatom-rich Nannofossil Ooze
22	H	7	90	203.10	D							1				10		1	85	2	1			Diatom-rich Nannofossil Ooze
23	H	6	80	212.20	D											9		1	88	1	1			Diatom-bearing Nannofossil Ooze
24	H	4	76	218.66	D											20		2	73	4	1			Diatom-rich Nannofossil Ooze
25	H	6	100	231.40	D	1										35			61	2	1			Diatom-rich Nannofossil Ooze
26	H	2	41	234.31	D											15		3	77	4	1			Diatom-rich Nannofossil Ooze
27	H	2	90	245.80	D											15		1	79	2	3			Diatom-rich Nannofossil Ooze
27	H	5	60	250.00	M							*				40		3	56		1			Diatom-rich Nannofossil Ooze
28	H	4	124	258.64	M							1				81			15	2	1			Nannofossil-rich Diatom Ooze

Sample						Mineral										Biogenic							Rock	
Core	CT	Sct	Top (cm)	Depth (mbsf)	Lithology	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Feldspar (71)	Glauconite (82)	Mica (118)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Quartz (172)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	Volcanic Glass Shard (246)	Comments
Hole B (continued)																								
29	H	4	96	267.86	D											72		2	15	5	6			Radiolarian-bearing Nannofossil-rich Diatom Ooze
29	H	7	10	271.50	D											58			35	2	5			Nannofossil-rich Diatom Ooze
30	X	2	119	274.59	D		10					*				51		2	35	1	1			Clay- and Nannofossil-rich Diatom Ooze
30	X	4	90	277.30	D		5					1				72		2	20	*	*			Nannofossil/rich Diatom Ooze
30	X	6	100	280.40	D	3	7							1		20		2	67	*				Clay- and Diatom-rich Nannofossil Ooze
31	X	1	57	282.07	D		2					1				30			62	3	2			Diatom-rich Nannofossil Ooze
31	X	1	61	282.11	D		5					*				30			61	3	1			Clay-bearing Diatom-rich Nannofossil Ooze
31	X	4	15	286.15	D		5					*				62		2	25	5	1			Radiolarian-bearing Nannofossil-rich Diatom Ooze
31	X	6	72	289.72	D		*					*				52		*	40	8	*			Radiolarian-bearing Nannofossil-rich Diatom Ooze
32	X	2	19	292.49	D		10					1				30		1	55	2	1			Clay- and Diatom-rich Nannofossil Ooze
32	X	2	39	292.69	D		4									30			59	5	2			Diatom-rich Nannofossil Ooze
32	X	3	68	294.48	D		4					1				30			58	5	2			Radiolarian-bearing Diatom-rich Nannofossil Ooze
32	X	4	112	296.42	D		5					1				45			42	5	2			Clay- and Radiolarian-bearing Nannofossil-rich Diatom Ooze
32	X	4	112	296.42	D		5					1				50			37	5	2			Clay- and Radiolarian-bearing Nannofossil-rich Diatom Ooze
32	X	6	28	298.58	D		5			*		2		*		35			54	2	2			Clay-bearing Diatom-rich Nannofossil Ooze
33	X	1	44	300.94	D		5							1		30		*	58	5	1			Clay- and Radiolarian-bearing Diatom-rich Nannofossil-ooze
33	X	2	34	302.34	D		5				*	1				30		*	59	5		*		Radiolarian-bearing Diatom-rich Nannofossil Ooze
33	X	3	124	304.74	D			100																Very fine-grained dolomite
33	X	4	60	305.60	D		10									40			50					Clay-rich Diatom-Nannofossil Ooze
33	X	4	70	305.70	M							49				1							50	Volcanic Ash
34	X	1	37	310.57	D	88										5			5	2				Diatom- and Nannofossil-bearing Carbonate Ooze
34	X	2	33	312.03	D	86										4			5	5				Nannofossil-rich Carbonate Ooze
34	X	4	40	315.10	D	*						*				25			69	4	2			Diatom-rich Nannofossil Ooze
35	X	6	80	328.10	D	20										4		1	70	3	2			Clay-rich Nannofossil Ooze
36	X	5	30	335.70	D		5		1							8			83	3			*	Clay- and Diatom-bearing Nannofossil Ooze
37	X	2	70	341.20	D		5		*							10			81	2	2			Clay-bearing Diatom-rich Nannofossil Ooze
38	X	5	13	354.83	D		8				*	1				8		*	80	3				Clay- and Diatom-bearing Nannofossil Ooze
39	X	3	38	361.71	D		5					1				8			85	1				Clay- and Diatom-bearing Nannofossil Ooze
40	X	1	28	368.38	D	*	5											5	90					Nannofossil Ooze
40	X	1	52	368.62	D	3	5											3	89					Clay-bearing Nannofossil Ooze
40	X	1	60	368.70	D		15											1	84					Clay-rich Nannofossil Ooze
41	X	1	99	372.09	M		5			30		5						1	59					Glauconite-rich Nannofossil Ooze
41	X	4	90	376.50	D	4	30											2	64	*				Clay-rich Nannofossil Ooze
43	X	3	20	383.10	D	1	2											5	92					Foraminifer-bearing Nannofossil Ooze
43	X	4	30	384.70	D	3	10											3	83	1				Clay-rich Nannofossil Ooze
43	X	4	41	384.81	M	5						95												Fe-oxide(?)
45	X	4	82	402.52	D		10									10		3	77					Diatom- and Clay-rich Nannofossil Ooze
45	X	6	43	405.13	D		10									5		5	80					Foraminifer-bearing Clay-rich Nannofossil Ooze
46	X	1	20	407.00	D	30	5					1				3		2	59					Nannofossil Chalk
46	X	4	97	412.27	D	45			1			10			1	3		3	35				2	Nannofossil-rich Chalk
46	X	7	4	415.34	D	20			*			20				3		1	56					Nannofossil Chalk
47	X	1	22	416.62	D	*	30											5	65					Foraminifer-bearing Clay-rich Nannofossil Chalk
47	X	1	70	417.10	D	5	2					1						2	90					Nannofossil Chalk
47	X	2	15	418.05	D	3	5					5						3	84					Clay-bearing Nannofossil Chalk
47	X	2	50	418.40	M	20	2					30						1	47					Hematite-rich Nannofossil Chalk
47	X	CC	30	420.15	D	15			1			20				3		2	59					Nannofossil Chalk
47	X	CC	30	420.15	D	30			1			30			1	3			35					Nannofossil-rich Chalk

Sample						Mineral											Biogenic								Rock	
Core	CT	Sct	Top (cm)	Depth (mbsf)	Lithology	Carbonate (35)	Clay Mineral (47)	Dolomite (62)	Feldspar (71)	Glauconite (82)	Mica (118)	Opaques (140)	Plagioclase (159)	Pyrite (169)	Quartz (172)	Diatoms (58)	Dinoflagellate (59)	Foraminifers (78)	Nannofossils (132)	Radiolarians (173)	Silicoflagellates (189)	Sponge Spicules (199)	Volcanic Glass Shard (246)	Comments
Hole C																								
1	H	2	30	1.80	D	3										56		*	35	5	1			Radiolarian-bearing Nannofossil-rich Diatom Ooze
1	H	3	120	4.20	D	2						*				78		*	10	10	*			Radiolarian-bearing Nannofossil-rich Diatom Ooze
1	H	3	10	3.10	D	3										53		*	35	8	1			Radiolarian- and Nannofossil-rich Diatom Ooze
1	H	4	120	5.70	D	5										45		4	40	5	1			Radiolarian-bearing Nannofossil-rich Diatom Ooze
8	H	4	55	69.65	D	16	4					10				62			4	2	2			Diatom Ooze
10	H	2	95	86.05	D									1		85			8	5	1			Radiolarian- and Nannofossil-bearing Diatom Ooze
10	H	4	59	88.69	D	2										10			85	3				Diatom-rich Nannofossil Ooze
11	H	3	147	97.57	D	3						*				66		*	25	5	1			Nannofossil-rich Diatom Ooze
13	H	3	54	253.54	D							*				10		*	84	5	1			Radiolarian-bearing Diatom-rich Nannofossil Ooze
13	H	6	130	258.80	M	*						*				90			5	5	*			Radiolarian- and Nannofossil bearing Diatom Ooze
15	H	3	130	273.30	D		8									15			70	5	2			Clay- and Radiolarian-bearing Diatom-rich Nannofossil Ooze
16	H	1	140	279.90	M		10							*		59		*	20	10	1			Clay- Radiolarian- and Nannofossil-rich Diatom Ooze
16	H	6	70	286.70	D		20					1				66		*	5	8	*			Radiolarian- and Nannofossil-bearing Clay-rich Diatom Ooze
17	H	4	49	292.99	D		10					*				20			60	10	*			Clay- and Radiolarian- and Diatom-bearing Nannofossil Ooze
18	H	7	50	307.00	D		40									35			25					Radiolarian- and Diatom-rich Clay
19	H	3	25	310.25	M			98					1			1								Dolomite
24	X	1	50	399.70	D	30	25											10	35					Foraminifer- and Clay-rich Nannofossil Ooze
24	X	6	84	407.54	D	45	5											10	40					Foraminifer- and Clay-rich Nannofossil Ooze
25	X	3	107	412.87	M	20	15					*	5					5	54				1	Foraminifer-bearing Nannofossil Ooze
25	X	CC	15	418.41	D	2	10					15						5	68					Foraminifer-bearing Clay-rich Nannofossil Ooze

THIN SECTION:	**201-1226B-47X-CC, 42-44 cm**	**OBSERVERS:**
ROCK NAME:	**Sparsely olivine phyric basalt**	
TEXTURE:	**Sheaf quench texture**	

PRIMARY MINERALOGY	**PERCENT**	**SIZE (mm) min.**	**max.**	**av.**	**MORPHOLOGY**	**COMMENTS**
PHENOCRYSTS						
Olivine	<2	0.1	1	0.75	Euhedral to subhedral pseudomorphs	Completely altered to amphibole and clay
GROUNDMASS						
Plagioclase			0.7	0.5	Needles	Plumose to sheaf textured quench morphologies form the bulk of the groundmasss
Palagonitized volcanic glass						
Magnetite			0.03	0.005		Very fine grained crystals in mesostasis with rare larger cubic crystals
Sulfide				0.01		Ameoboid to bleb morphology, very rare.

ALTERATION MINERALOGY	**PERCENT**	**SIZE (mm) min.**	**max.**	**av.**	**MORPHOLOGY**	**COMMENTS**
Cacite						Filling vesicles and along fractures
Smectite						Partially filling vesicles and fractures and minor replacement of olivine
Actinolite						Virtually complete replacement of all olivine

COMMENTS: Pervasively altered olivine phenocrysts and groundmass glass,with abundant relatively fresh plumose to sheaf quench textured plagioclase needles. No plagioclase phenocrusts in this section. One large (3.4 mm) and several small vesicles are filled with either calcite or a mixture of calcite and smectite. Fractures are iron stained, contain some Fe-oxyhydroxides. One side of thin section has plagioclase needles >> than mesostasis, the other side is the opposite.