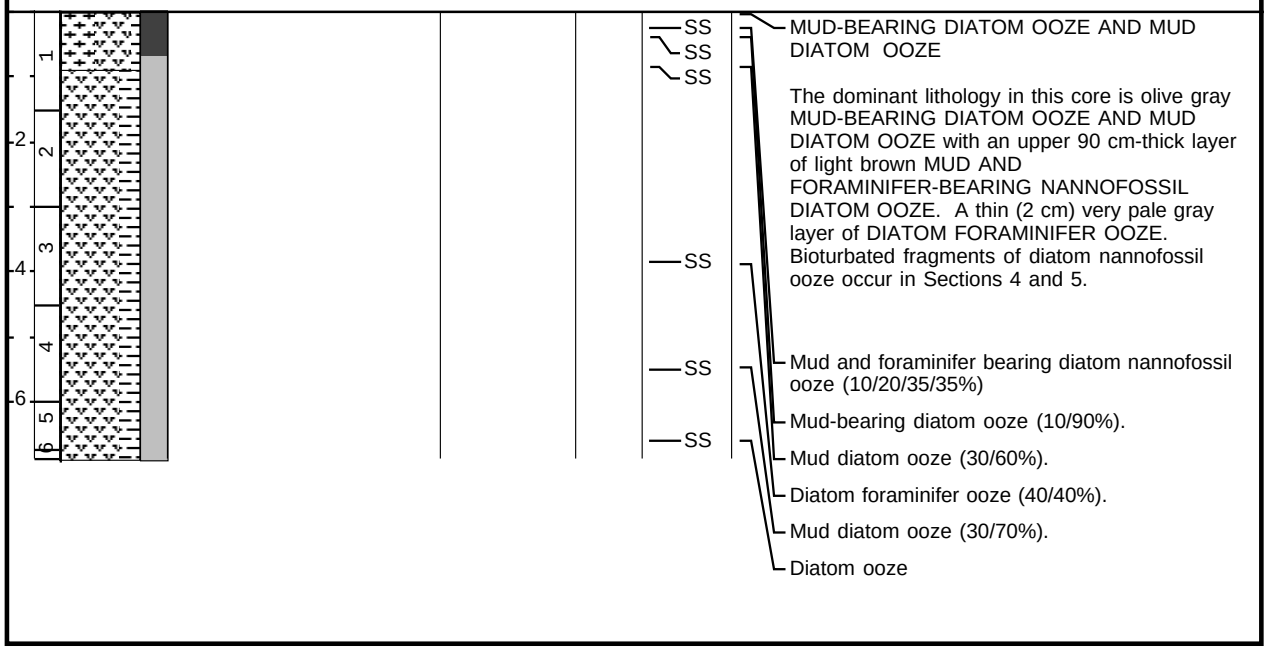
Core Photo

1091A-1H 0.0-6.9 mbsf

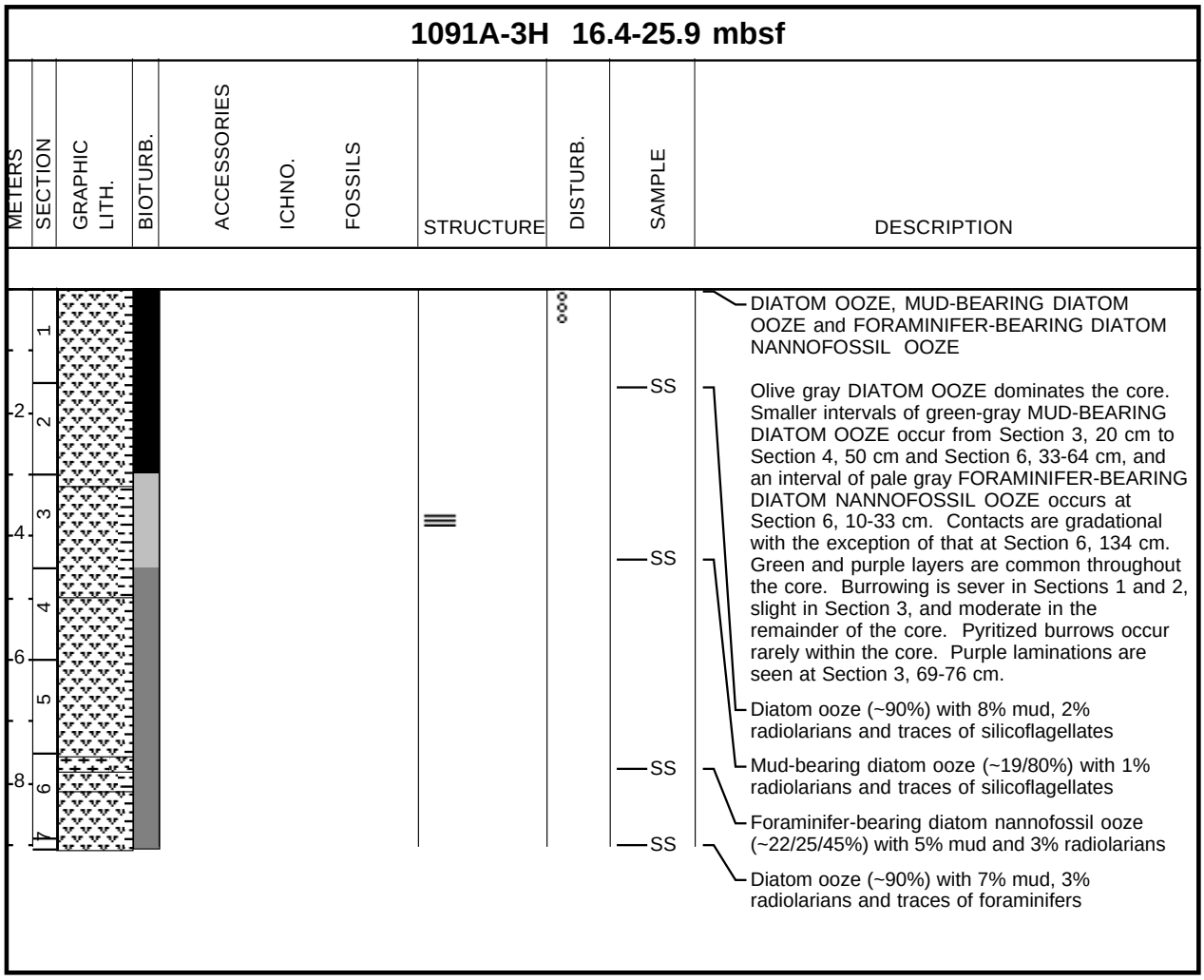


Core Photo

1091A-2H 6.9-16.4 mbsf

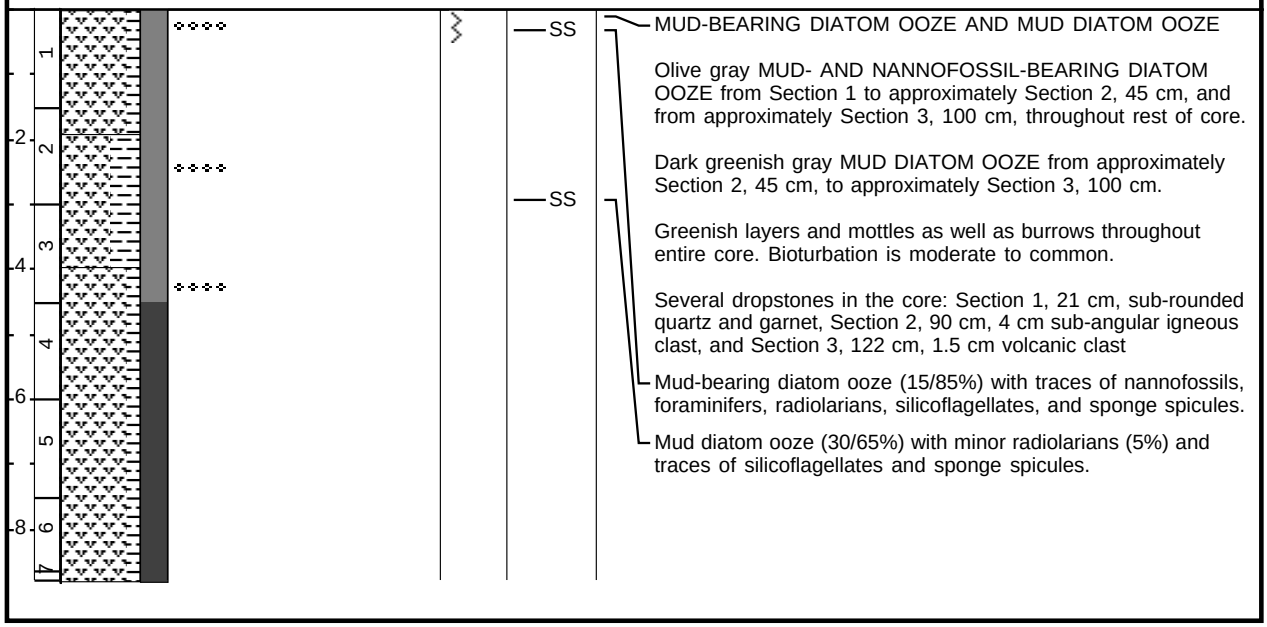
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES / ICHNO. / FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
1	1							MUD-BEARING DIATOM OOZE, FORAMINIFER-BEARING DIATOMACEOUS NANNOFOSSIL OOZE and MUD- AND NANNOFOSSIL-BEARING DIATOM OOZE
2	2						SS	The dominant lithology is olive gray MUD-BEARING DIATOM OOZE, within which a single interval of pale gray FORAMINIFER-BEARING DIATOMACEOUS NANNOFOSSIL OOZE occurs at Section 2, 8-49 cm and green-gray MUD- AND NANNOFOSSIL-BEARING DIATOM OOZE occurs at Section 2, 49-79 cm. Green layers are commonly seen throughout, and dark-colored layers are common from the core top to Section 2, 82 cm. Section 1 is highly burrowed while Section 2-CC shows only moderate burrowing.
	3						SS	
4							SS	
	4						SS	
6								Mud-bearing diatom ooze (~20/65%) with 6% foraminifer, 5% radiolaria, 4% carbonate and traces of silicoflagellates
	5							Foraminifer-bearing diatom nannofossil ooze (~15/30/50%) with 5% mud and traces of silicoflagellates
	6							Mud- and nannofossil-bearing diatom ooze (~20/20/55%) with 4% foraminifer, 1% radiolarians and traces of silicoflagellates
								Mud-bearing diatom ooze (~14/80%) with 5% nannofossils, 1% foraminifer and traces of silicoflagellates

Core Photo

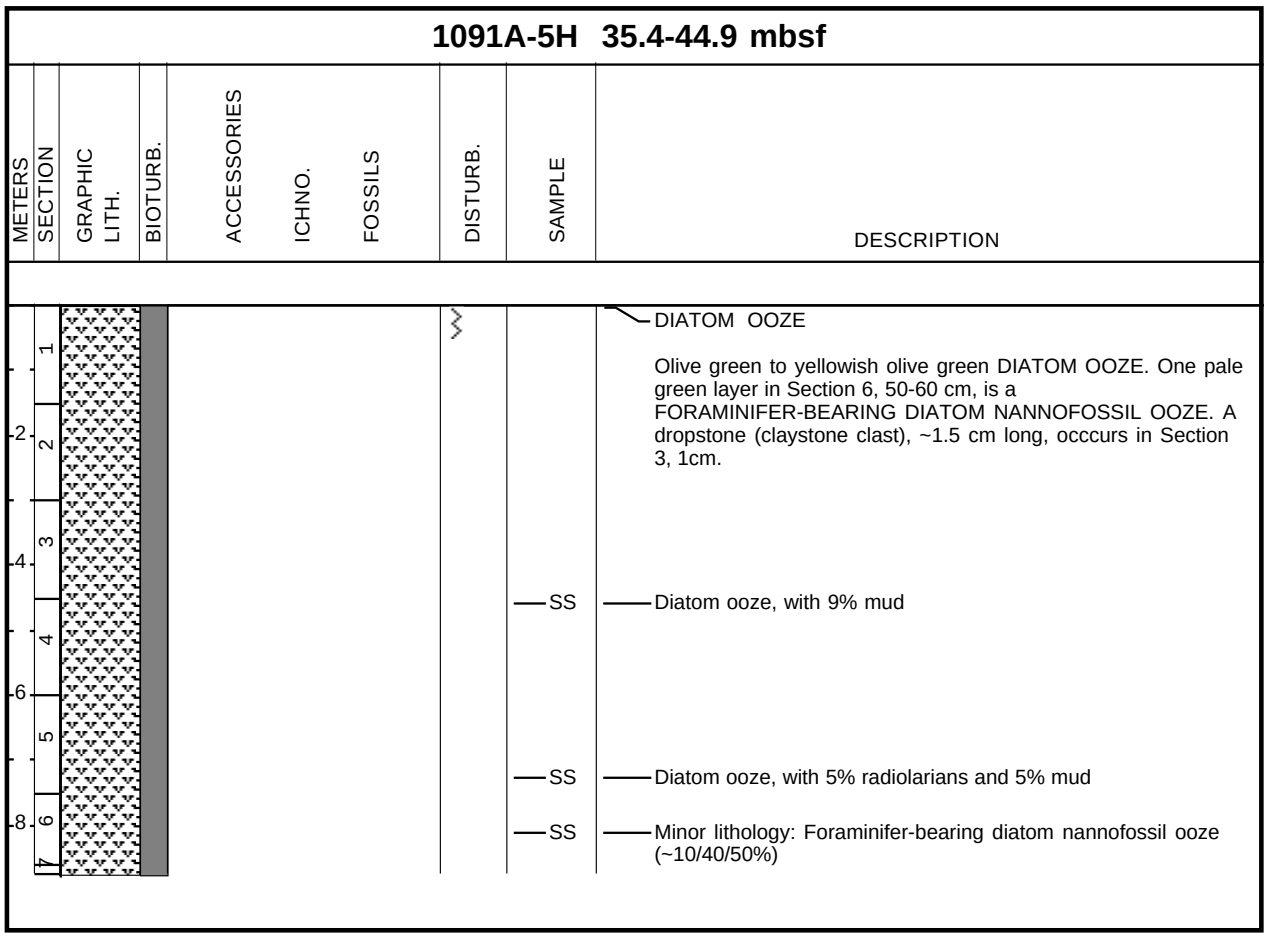

1091A-3H 16.4-25.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE, MUD-BEARING DIATOM OOZE and FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE
Olive gray DIATOM OOZE dominates the core. Smaller intervals of green-gray MUD-BEARING DIATOM OOZE occur from Section 3, 20 cm to Section 4, 50 cm and Section 6, 33-64 cm, and an interval of pale gray FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE occurs at Section 6, 10-33 cm. Contacts are gradational with the exception of that at Section 6, 134 cm. Green and purple layers are common throughout the core. Burrowing is sever in Sections 1 and 2, slight in Section 3, and moderate in the remainder of the core. Pyritized burrows occur rarely within the core. Purple laminations are seen at Section 3, 69-76 cm.
Diatom ooze (~90%) with 8% mud, 2% radiolarians and traces of silicoflagellates
Mud-bearing diatom ooze (~19/80%) with 1% radiolarians and traces of silicoflagellates
Foraminifer-bearing diatom nannofossil ooze (~22/25/45%) with 5% mud and 3% radiolarians
Diatom ooze (~90%) with 7% mud, 3% radiolarians and traces of foraminifers

Core Photo

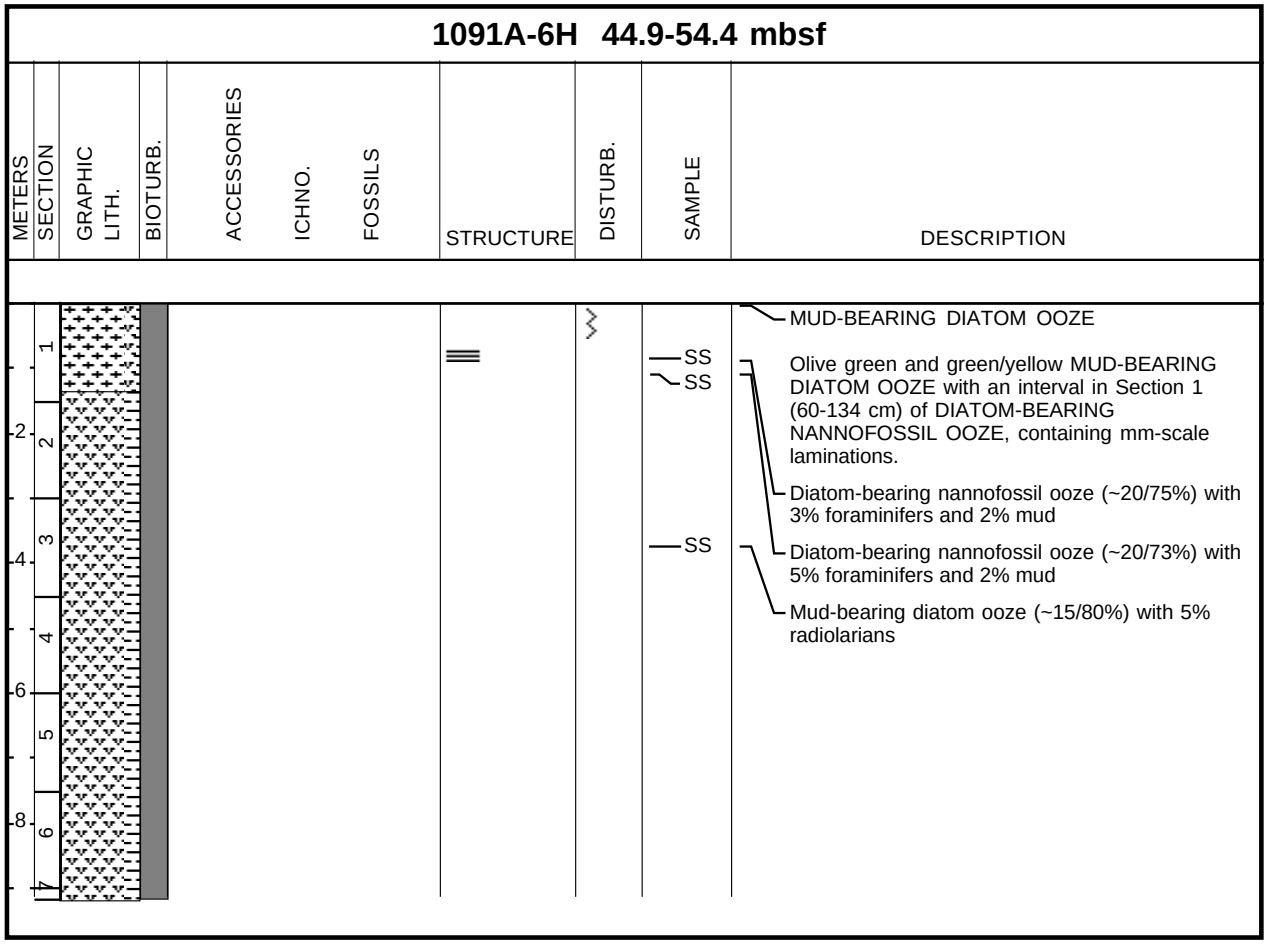
1091A-4H 25.9-35.4 mbsf



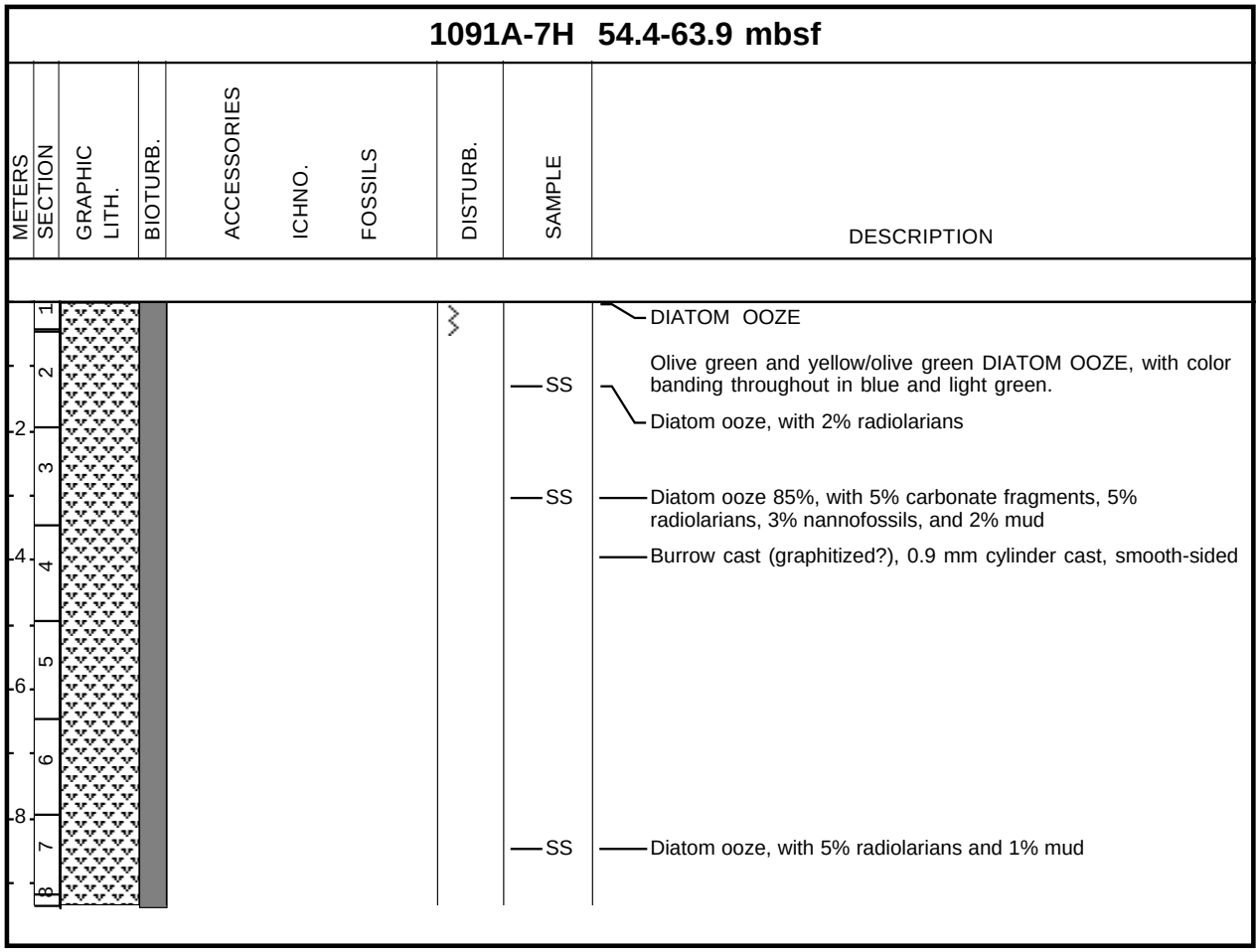
Core Photo


1091A-5H 35.4-44.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Olive green to yellowish olive green DIATOM OOZE. One pale green layer in Section 6, 50-60 cm, is a FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE. A dropstone (claystone clast), ~1.5 cm long, occcurs in Section 3, 1cm.
SS
Diatom ooze, with 9% mud
SS
Diatom ooze, with 5% radiolarians and 5% mud
SS
Minor lithology: Foraminifer-bearing diatom nannofossil ooze (~10/40/50%)

Core Photo

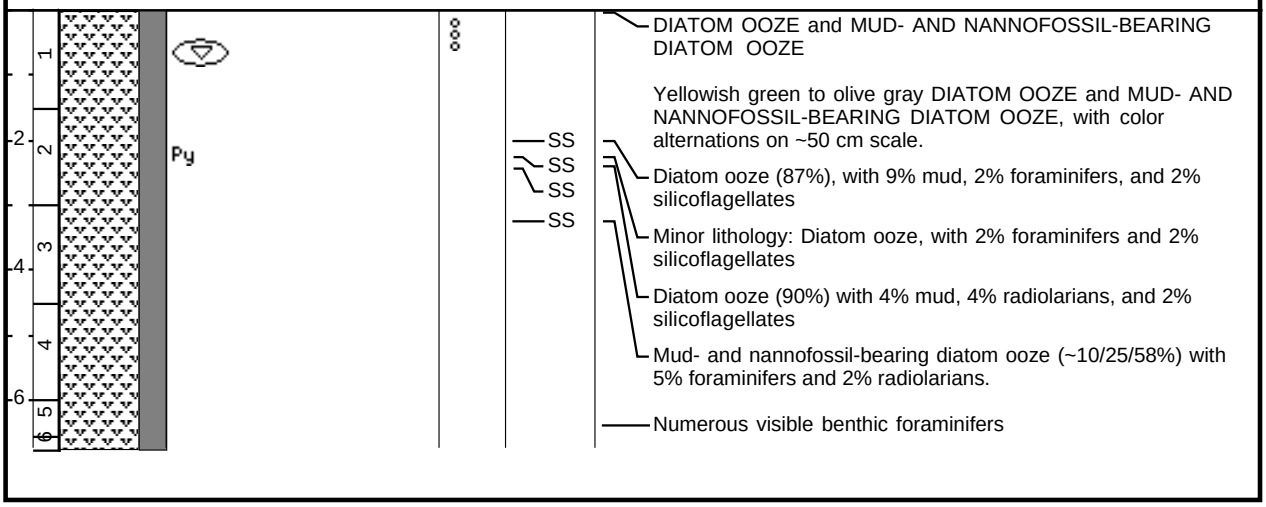

1091A-6H 44.9-54.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
MUD-BEARING DIATOM OOZE
Olive green and green/yellow MUD-BEARING DIATOM OOZE with an interval in Section 1 (60-134 cm) of DIATOM-BEARING NANNOFOSSIL OOZE, containing mm-scale laminations.
Diatom-bearing nannofossil ooze (~20/75%) with 3% foraminifers and 2% mud
Diatom-bearing nannofossil ooze (~20/73%) with 5% foraminifers and 2% mud
Mud-bearing diatom ooze (~15/80%) with 5% radiolarians

Core Photo

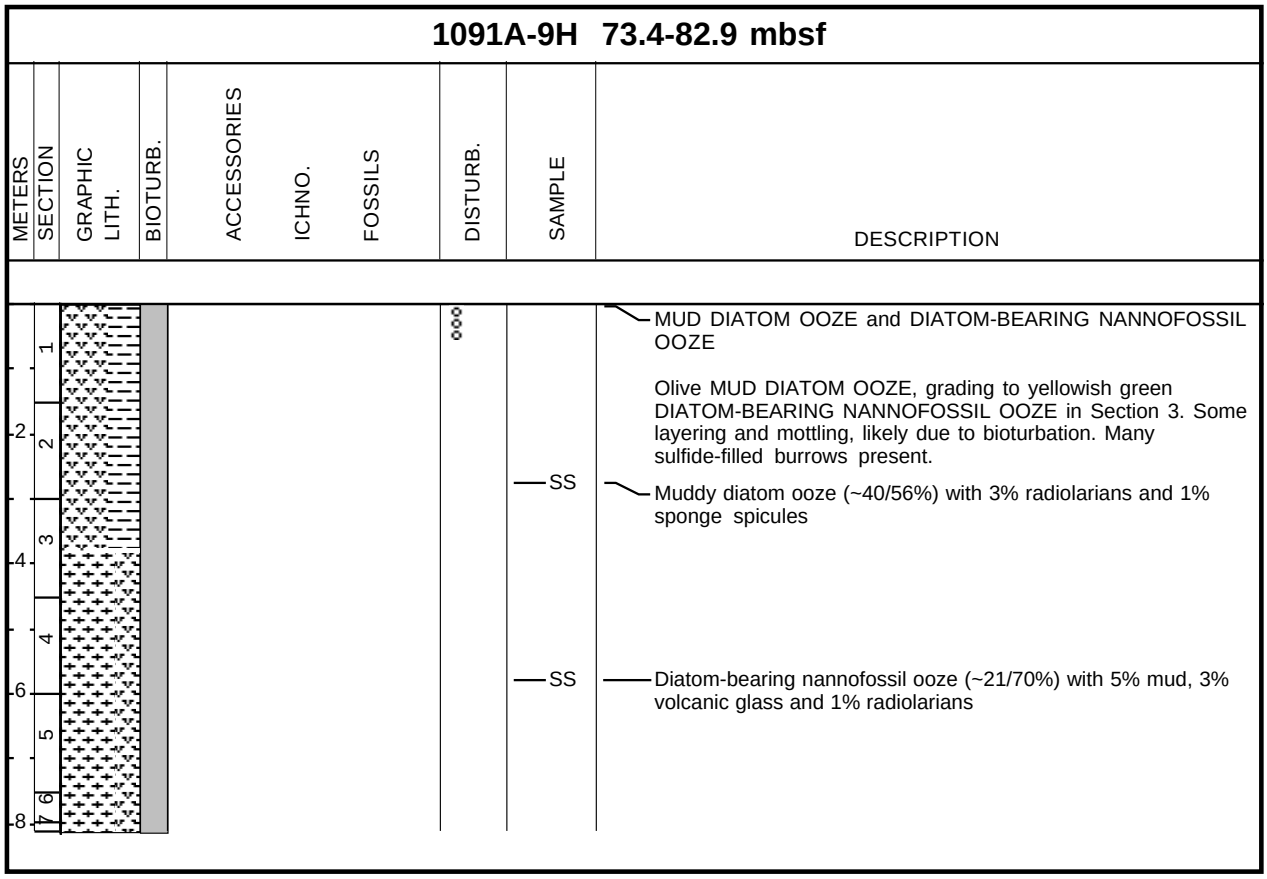

1091A-7H 54.4-63.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Olive green and yellow/olive green DIATOM OOZE, with color banding throughout in blue and light green.
SS
Diatom ooze, with 2% radiolarians
SS
Diatom ooze 85%, with 5% carbonate fragments, 5% radiolarians, 3% nannofossils, and 2% mud
Burrow cast (graphitized?), 0.9 mm cylinder cast, smooth-sided
SS
Diatom ooze, with 5% radiolarians and 1% mud

Core Photo

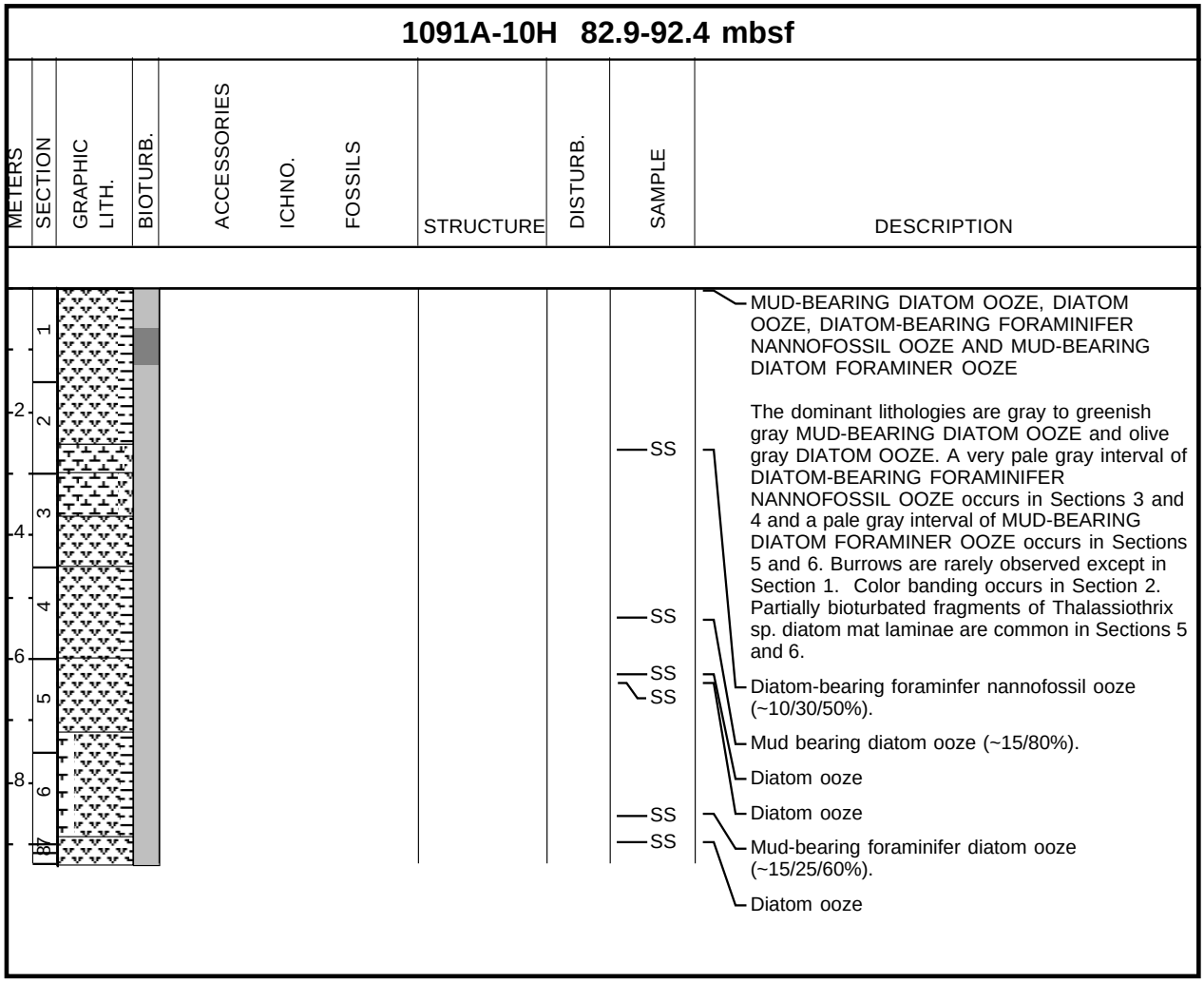
1091A-8H 63.9-73.4 mbsf



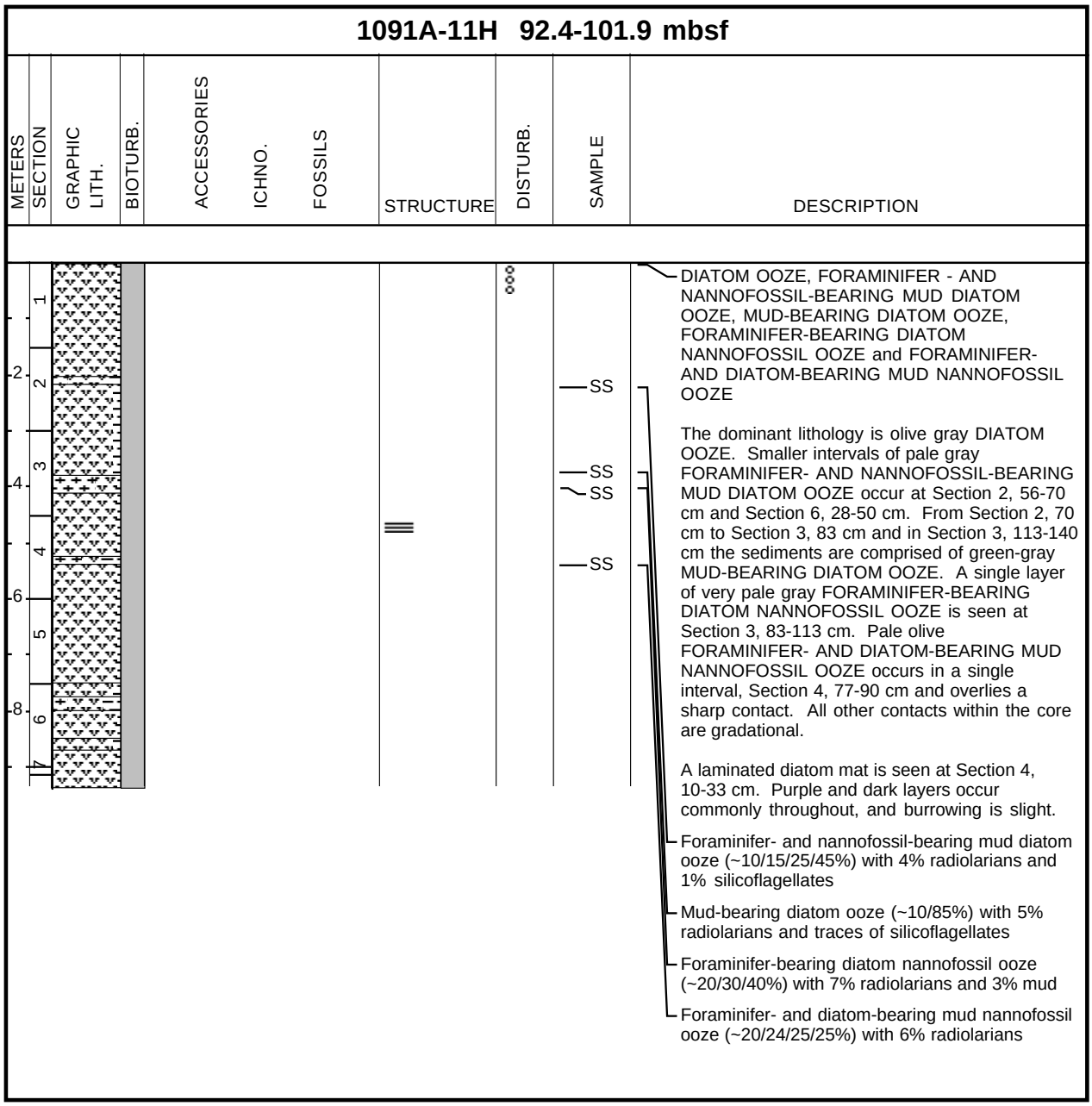
Core Photo


1091A-9H 73.4-82.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD DIATOM OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
Olive MUD DIATOM OOZE, grading to yellowish green DIATOM-BEARING NANNOFOSSIL OOZE in Section 3. Some layering and mottling, likely due to bioturbation. Many sulfide-filled burrows present.
SS
Muddy diatom ooze (~40/56%) with 3% radiolarians and 1% sponge spicules
SS
Diatom-bearing nannofossil ooze (~21/70%) with 5% mud, 3% volcanic glass and 1% radiolarians
2
4
6
8
1
2
3
4
5
6
7

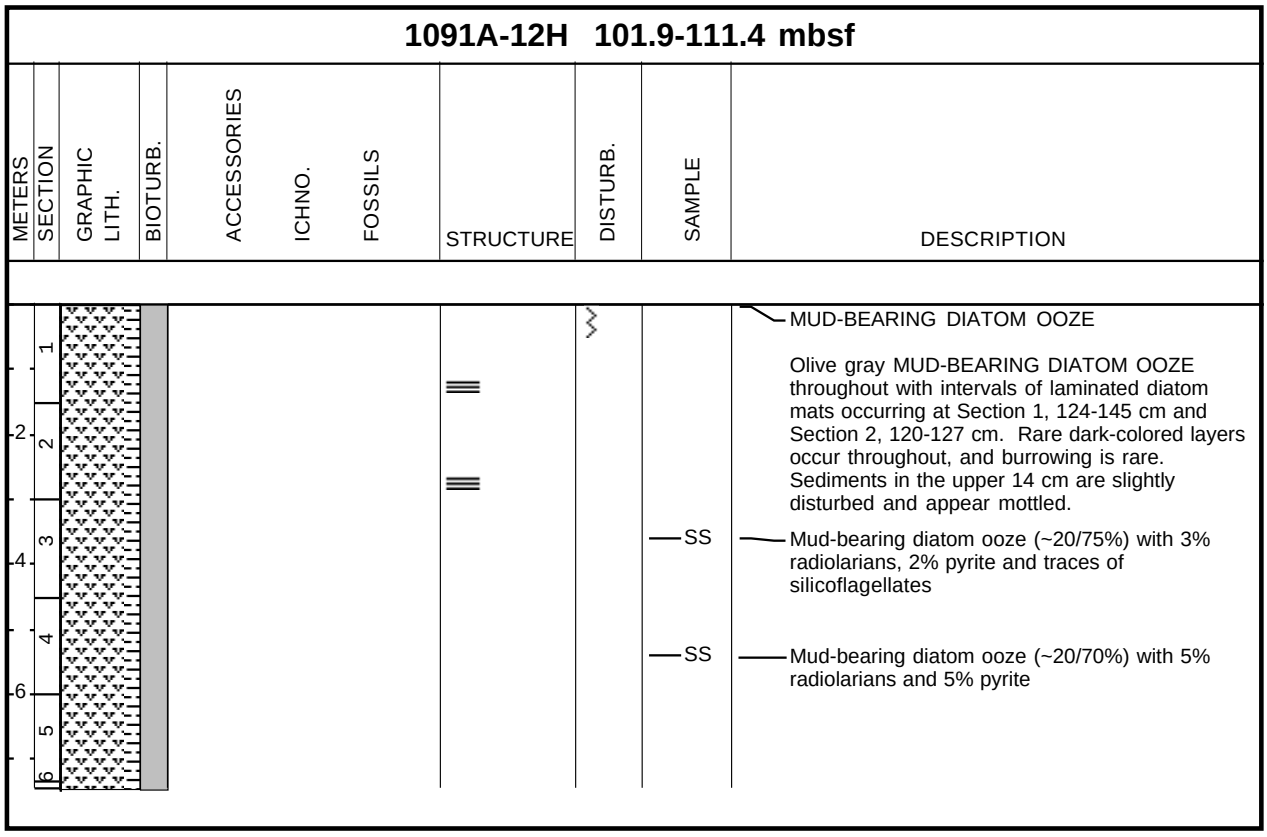
Core Photo


1091A-10H 82.9-92.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING DIATOM OOZE, DIATOM OOZE, DIATOM-BEARING FORAMINIFER NANNOFOSSIL OOZE AND MUD-BEARING DIATOM FORAMINER OOZE
The dominant lithologies are gray to greenish gray MUD-BEARING DIATOM OOZE and olive gray DIATOM OOZE. A very pale gray interval of DIATOM-BEARING FORAMINIFER NANNOFOSSIL OOZE occurs in Sections 3 and 4 and a pale gray interval of MUD-BEARING DIATOM FORAMINER OOZE occurs in Sections 5 and 6. Burrows are rarely observed except in Section 1. Color banding occurs in Section 2. Partially bioturbated fragments of Thalassiothrix sp. diatom mat laminae are common in Sections 5 and 6.
SS
SS
SS
SS
SS
SS
Diatom-bearing foraminfer nannofossil ooze (~10/30/50%).
Mud bearing diatom ooze (~15/80%).
Diatom ooze
Diatom ooze
Mud-bearing foraminifer diatom ooze (~15/25/60%).
Diatom ooze

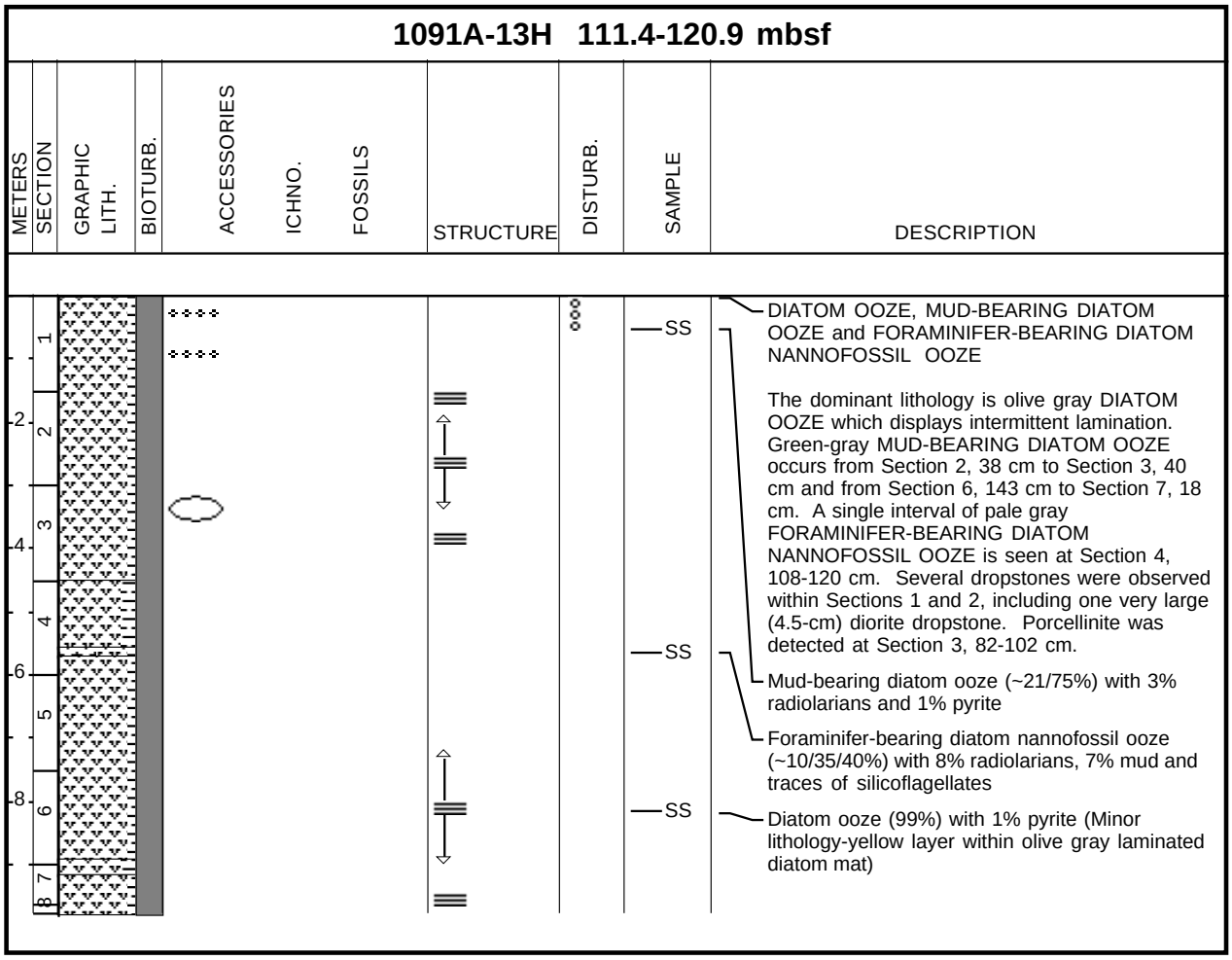
Core Photo


1091A-11H 92.4-101.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE, FORAMINIFER - AND NANNOFOSSIL-BEARING MUD DIATOM OOZE, MUD-BEARING DIATOM OOZE, FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE and FORAMINIFER- AND DIATOM-BEARING MUD NANNOFOSSIL OOZE
The dominant lithology is olive gray DIATOM OOZE. Smaller intervals of pale gray FORAMINIFER- AND NANNOFOSSIL-BEARING MUD DIATOM OOZE occur at Section 2, 56-70 cm and Section 6, 28-50 cm. From Section 2, 70 cm to Section 3, 83 cm and in Section 3, 113-140 cm the sediments are comprised of green-gray MUD-BEARING DIATOM OOZE. A single layer of very pale gray FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE is seen at Section 3, 83-113 cm. Pale olive FORAMINIFER- AND DIATOM-BEARING MUD NANNOFOSSIL OOZE occurs in a single interval, Section 4, 77-90 cm and overlies a sharp contact. All other contacts within the core are gradational.
A laminated diatom mat is seen at Section 4, 10-33 cm. Purple and dark layers occur commonly throughout, and burrowing is slight.
Foraminifer- and nannofossil-bearing mud diatom ooze (~10/15/25/45%) with 4% radiolarians and 1% silicoflagellates
Mud-bearing diatom ooze (~10/85%) with 5% radiolarians and traces of silicoflagellates
Foraminifer-bearing diatom nannofossil ooze (~20/30/40%) with 7% radiolarians and 3% mud
Foraminifer- and diatom-bearing mud nannofossil ooze (~20/24/25/25%) with 6% radiolarians

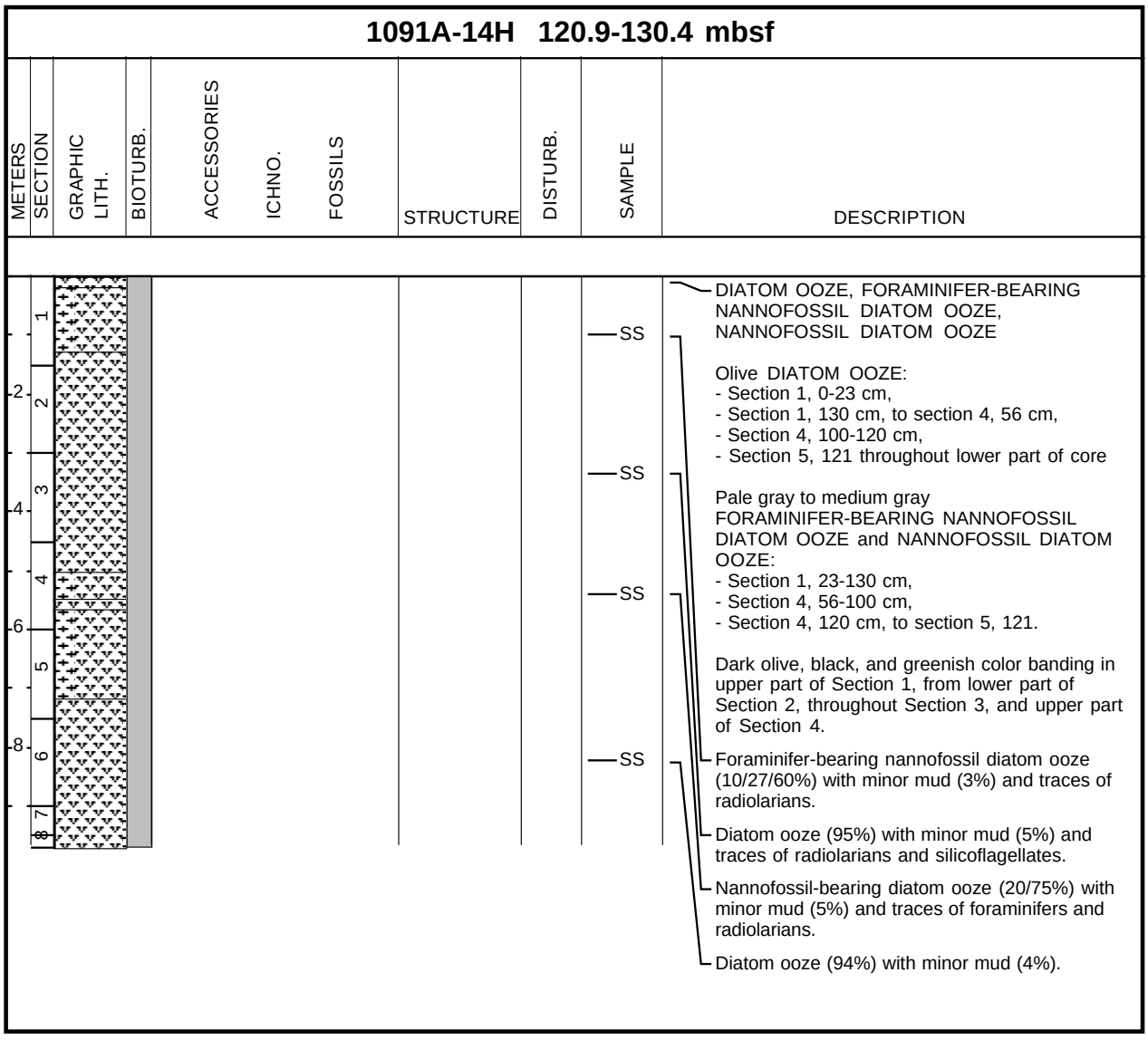
Core Photo


1091A-12H 101.9-111.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING DIATOM OOZE
Olive gray MUD-BEARING DIATOM OOZE throughout with intervals of laminated diatom mats occurring at Section 1, 124-145 cm and Section 2, 120-127 cm. Rare dark-colored layers occur throughout, and burrowing is rare. Sediments in the upper 14 cm are slightly disturbed and appear mottled.
SS
Mud-bearing diatom ooze (~20/75%) with 3% radiolarians, 2% pyrite and traces of silicoflagellates
SS
Mud-bearing diatom ooze (~20/70%) with 5% radiolarians and 5% pyrite
-2
-4
-6
1
2
3
4
5
6

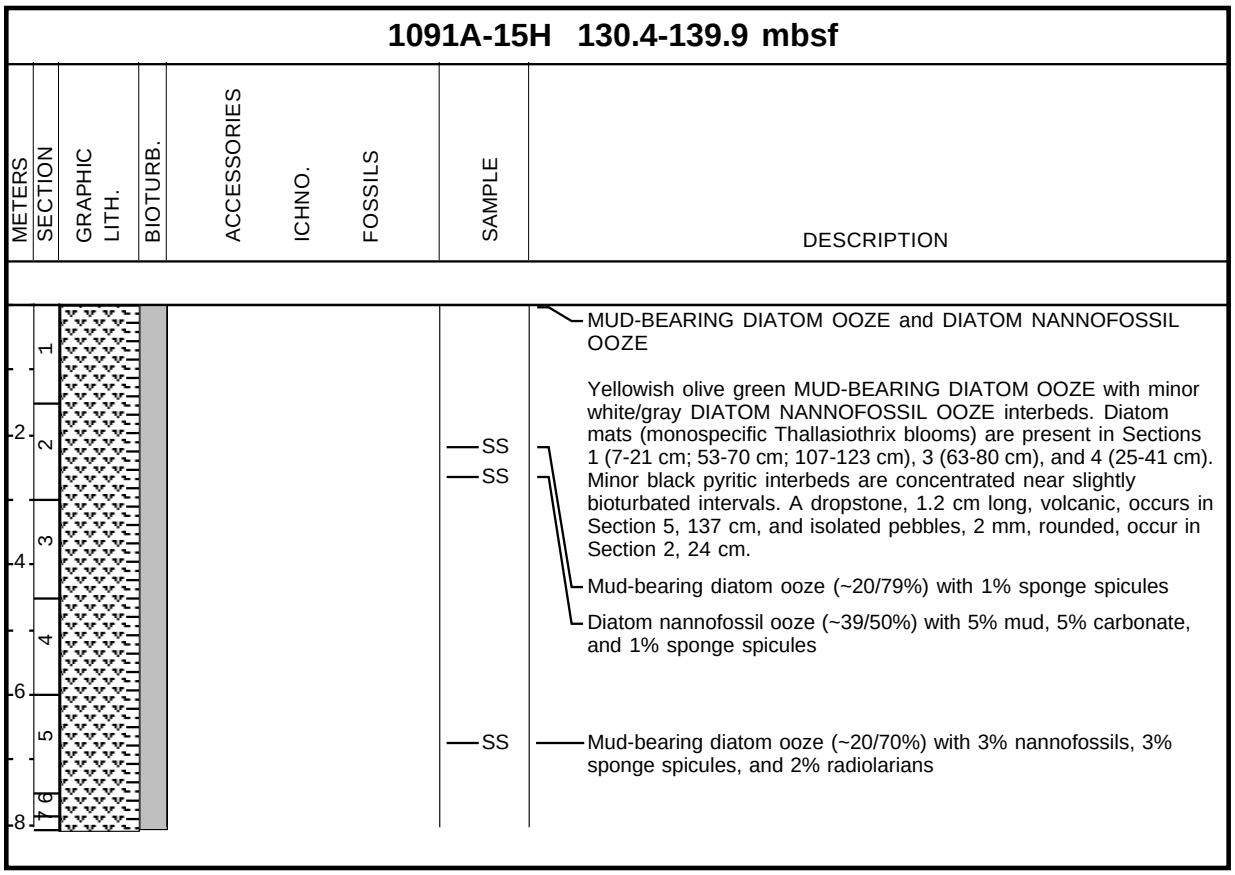
Core Photo


1091A-13H 111.4-120.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE, MUD-BEARING DIATOM OOZE and FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE
The dominant lithology is olive gray DIATOM OOZE which displays intermittent lamination. Green-gray MUD-BEARING DIATOM OOZE occurs from Section 2, 38 cm to Section 3, 40 cm and from Section 6, 143 cm to Section 7, 18 cm. A single interval of pale gray FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE is seen at Section 4, 108-120 cm. Several dropstones were observed within Sections 1 and 2, including one very large (4.5-cm) diorite dropstone. Porcellinite was detected at Section 3, 82-102 cm.
Mud-bearing diatom ooze (~21/75%) with 3% radiolarians and 1% pyrite
Foraminifer-bearing diatom nannofossil ooze (~10/35/40%) with 8% radiolarians, 7% mud and traces of silicoflagellates
Diatom ooze (99%) with 1% pyrite (Minor lithology-yellow layer within olive gray laminated diatom mat)

Core Photo


1091A-14H 120.9-130.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE, FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE, NANNOFOSSIL DIATOM OOZE
Olive DIATOM OOZE:
- Section 1, 0-23 cm,
- Section 1, 130 cm, to section 4, 56 cm,
- Section 4, 100-120 cm,
- Section 5, 121 throughout lower part of core
Pale gray to medium gray FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE and NANNOFOSSIL DIATOM OOZE:
- Section 1, 23-130 cm,
- Section 4, 56-100 cm,
- Section 4, 120 cm, to section 5, 121.
Dark olive, black, and greenish color banding in upper part of Section 1, from lower part of Section 2, throughout Section 3, and upper part of Section 4.
Foraminifer-bearing nannofossil diatom ooze (10/27/60%) with minor mud (3%) and traces of radiolarians.
Diatom ooze (95%) with minor mud (5%) and traces of radiolarians and silicoflagellates.
Nannofossil-bearing diatom ooze (20/75%) with minor mud (5%) and traces of foraminifers and radiolarians.
Diatom ooze (94%) with minor mud (4%).

Core Photo


1091A-15H 130.4-139.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
2
4
6
8
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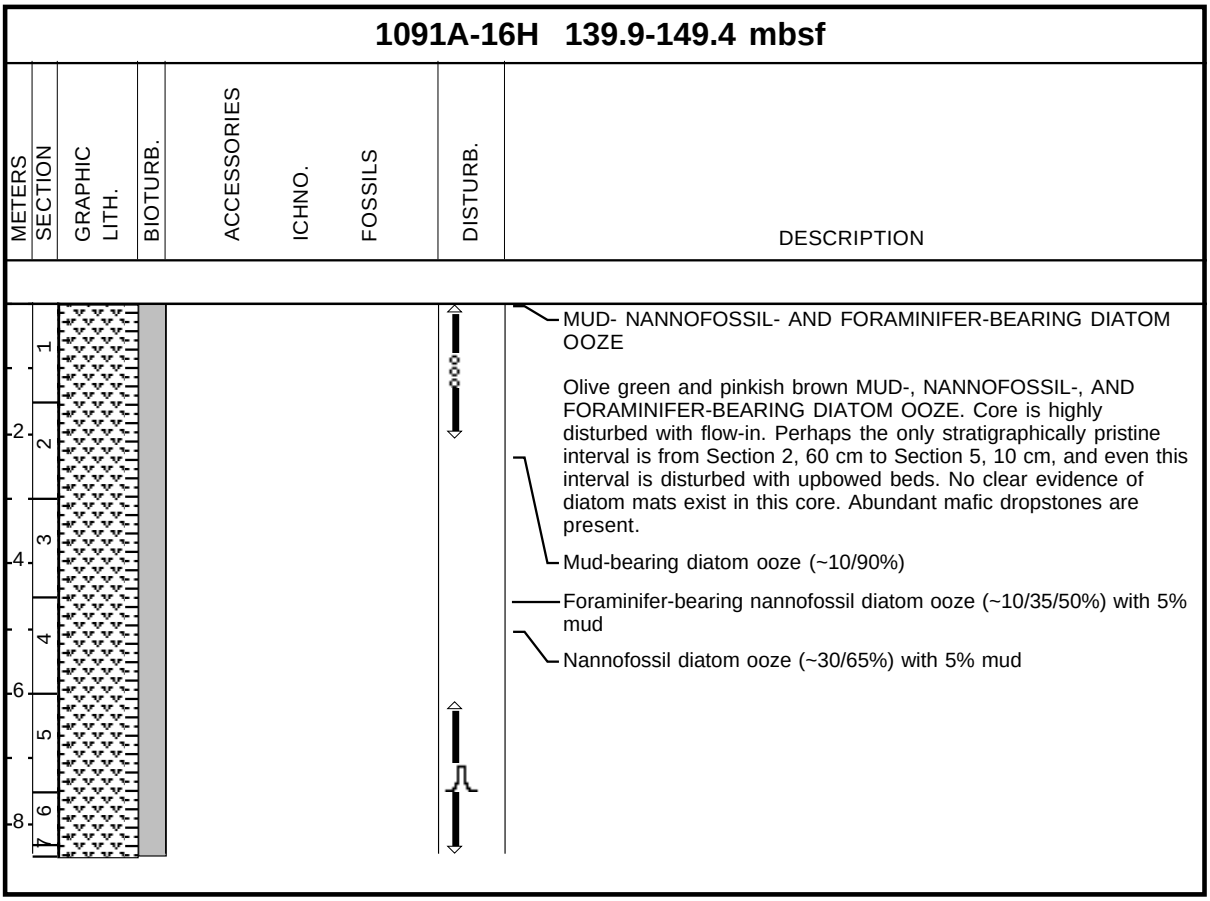
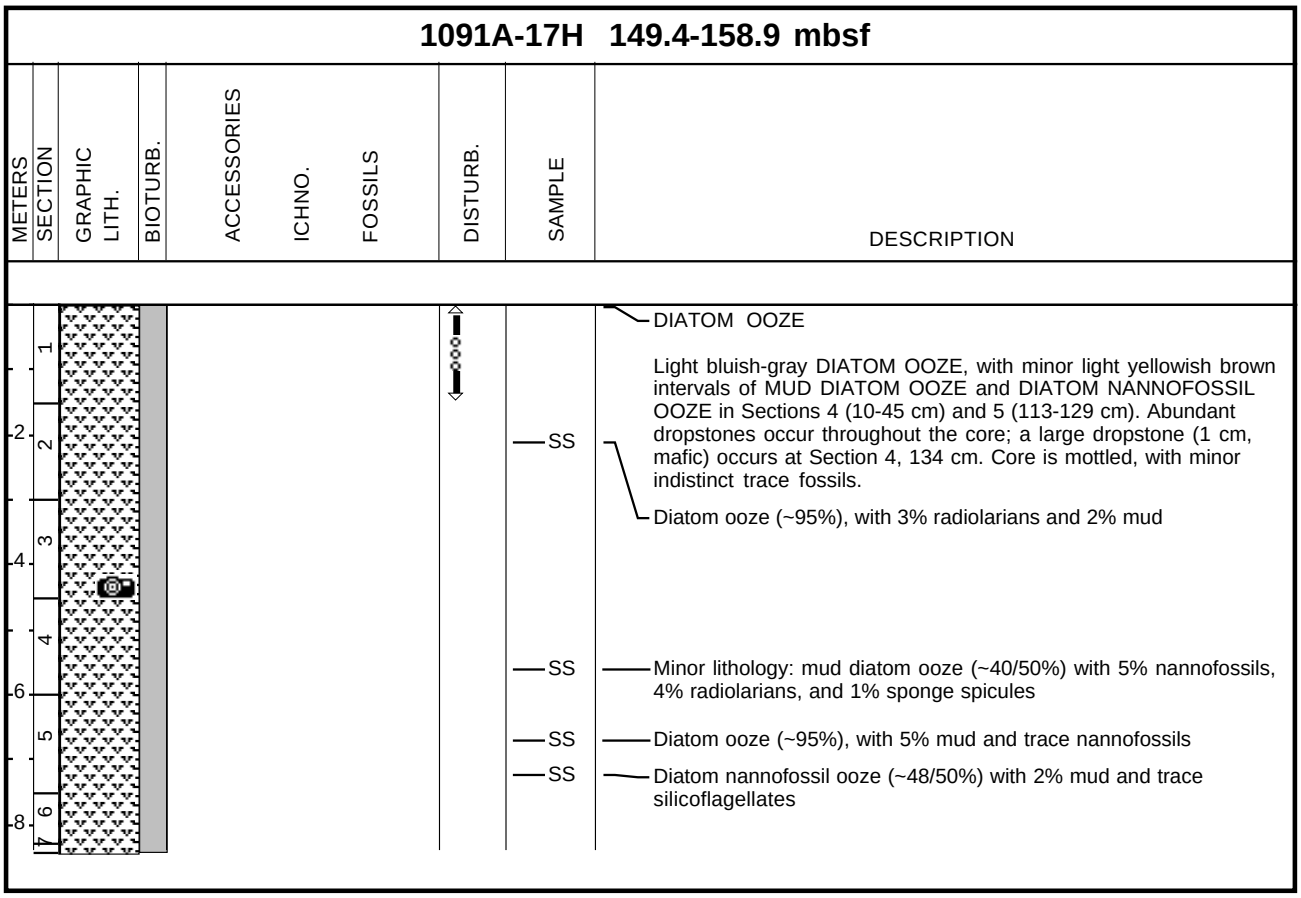
5
6
7
SS
SS
SS
MUD-BEARING DIATOM OOZE and DIATOM NANNOFOSSIL OOZE
Yellowish olive green MUD-BEARING DIATOM OOZE with minor white/gray DIATOM NANNOFOSSIL OOZE interbeds. Diatom mats (monospecific Thallasiothrix blooms) are present in Sections 1 (7-21 cm; 53-70 cm; 107-123 cm), 3 (63-80 cm), and 4 (25-41 cm). Minor black pyritic interbeds are concentrated near slightly bioturbated intervals. A dropstone, 1.2 cm long, volcanic, occurs in Section 5, 137 cm, and isolated pebbles, 2 mm, rounded, occur in Section 2, 24 cm.
Mud-bearing diatom ooze (~20/79%) with 1% sponge spicules
Diatom nannofossil ooze (~39/50%) with 5% mud, 5% carbonate, and 1% sponge spicules
Mud-bearing diatom ooze (~20/70%) with 3% nannofossils, 3% sponge spicules, and 2% radiolarians

Core Photo

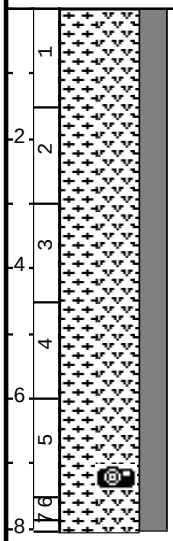

1091A-16H 139.9-149.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
DESCRIPTION
MUD- NANNOFOSSIL- AND FORAMINIFER-BEARING DIATOM OOZE
Olive green and pinkish brown MUD-, NANNOFOSSIL-, AND FORAMINIFER-BEARING DIATOM OOZE. Core is highly disturbed with flow-in. Perhaps the only stratigraphically pristine interval is from Section 2, 60 cm to Section 5, 10 cm, and even this interval is disturbed with upbowed beds. No clear evidence of diatom mats exist in this core. Abundant mafic dropstones are present.
Mud-bearing diatom ooze (~10/90%)
Foraminifer-bearing nannofossil diatom ooze (~10/35/50%) with 5% mud
Nannofossil diatom ooze (~30/65%) with 5% mud
2
4
6
8
1
2
3
4
5
6
7

Core Photo

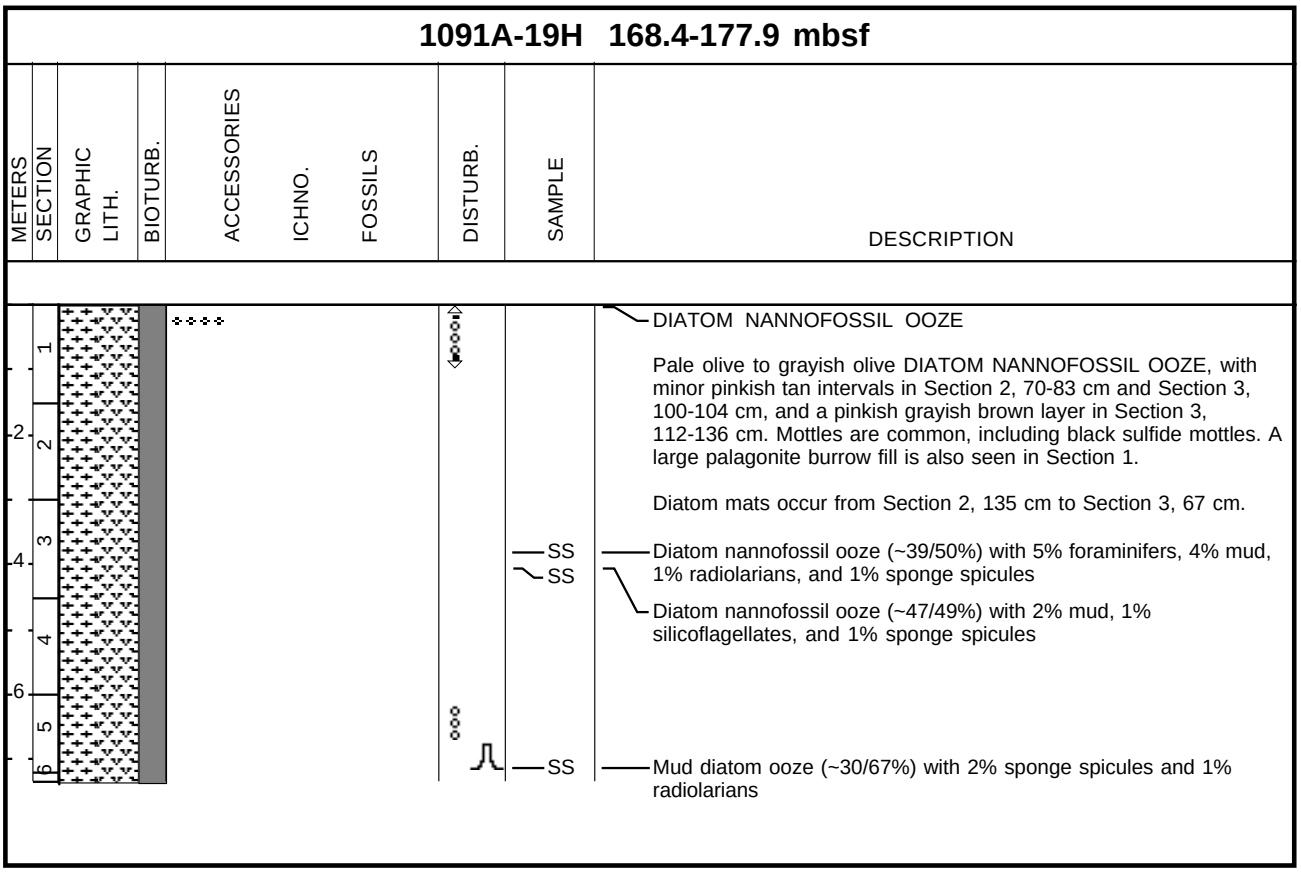

1091A-17H 149.4-158.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Light bluish-gray DIATOM OOZE, with minor light yellowish brown intervals of MUD DIATOM OOZE and DIATOM NANNOFOSSIL OOZE in Sections 4 (10-45 cm) and 5 (113-129 cm). Abundant dropstones occur throughout the core; a large dropstone (1 cm, mafic) occurs at Section 4, 134 cm. Core is mottled, with minor indistinct trace fossils.
SS
Diatom ooze (~95%), with 3% radiolarians and 2% mud
SS
Minor lithology: mud diatom ooze (~40/50%) with 5% nannofossils, 4% radiolarians, and 1% sponge spicules
SS
Diatom ooze (~95%), with 5% mud and trace nannofossils
SS
Diatom nannofossil ooze (~48/50%) with 2% mud and trace silicoflagellates

Core Photo

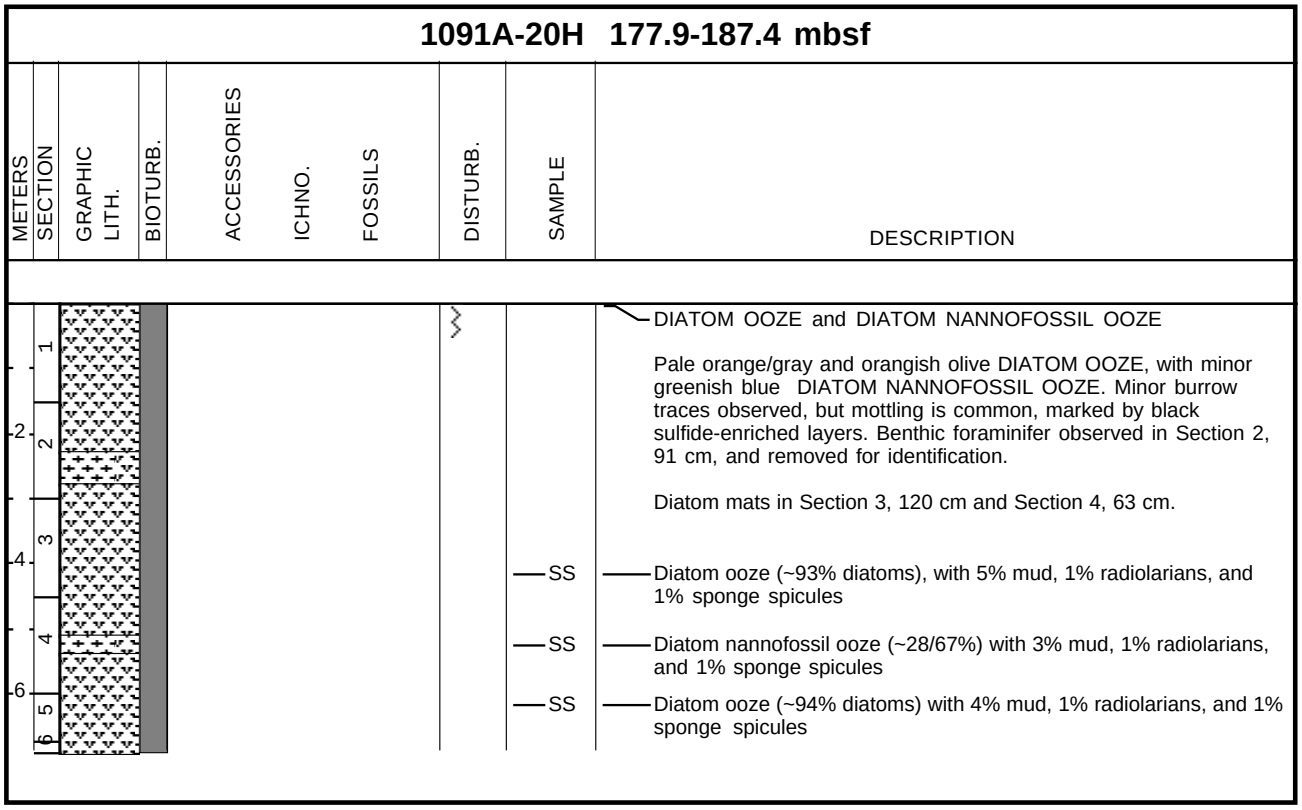
1091A-18H 158.9-168.4 mbsf



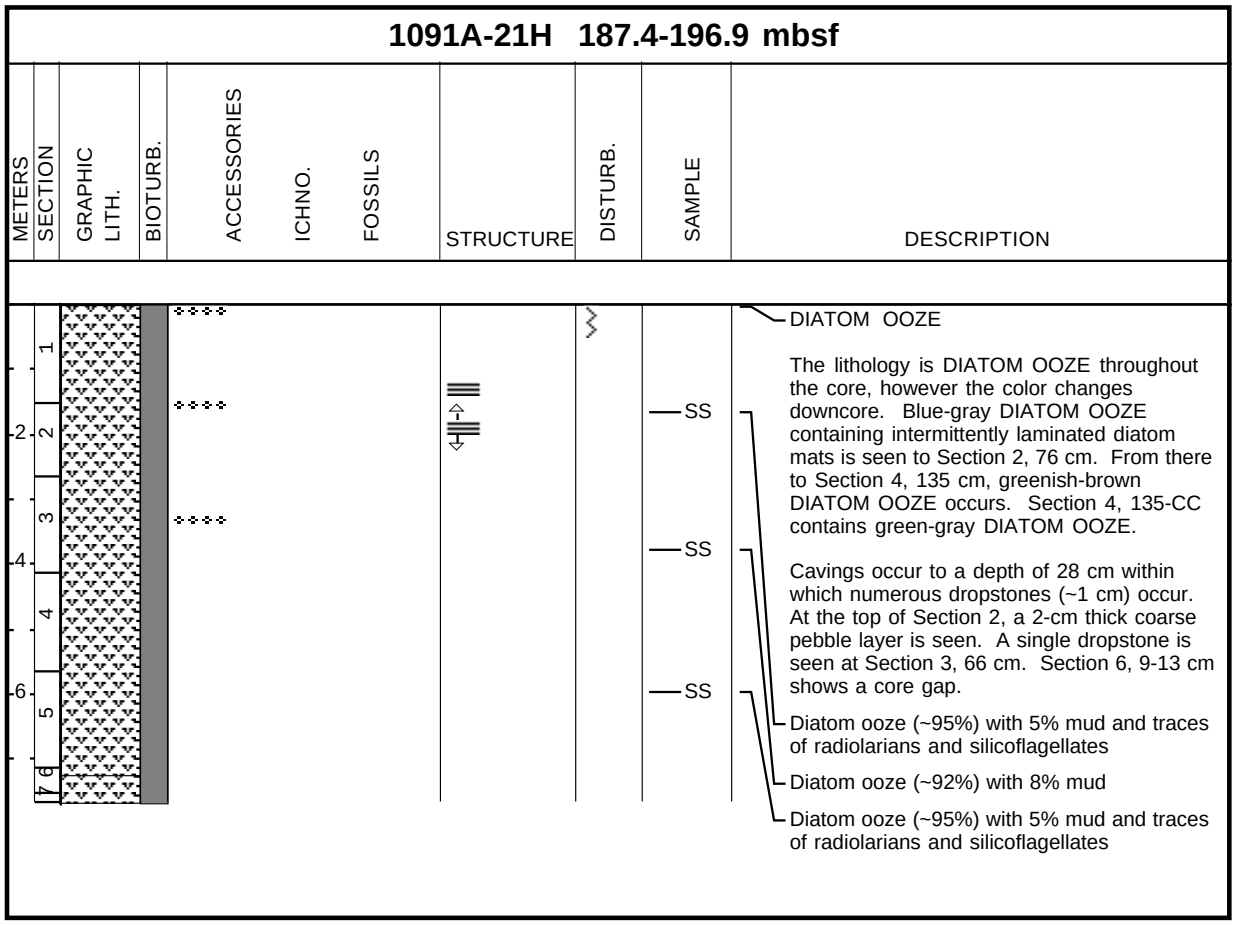
Core Photo


1091A-19H 168.4-177.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM NANNOFOSSIL OOZE
Pale olive to grayish olive DIATOM NANNOFOSSIL OOZE, with minor pinkish tan intervals in Section 2, 70-83 cm and Section 3, 100-104 cm, and a pinkish grayish brown layer in Section 3, 112-136 cm. Mottles are common, including black sulfide mottles. A large palagonite burrow fill is also seen in Section 1.
Diatom mats occur from Section 2, 135 cm to Section 3, 67 cm.
SS
Diatom nannofossil ooze (~39/50%) with 5% foraminifers, 4% mud, 1% radiolarians, and 1% sponge spicules
SS
Diatom nannofossil ooze (~47/49%) with 2% mud, 1% silicoflagellates, and 1% sponge spicules
SS
Mud diatom ooze (~30/67%) with 2% sponge spicules and 1% radiolarians

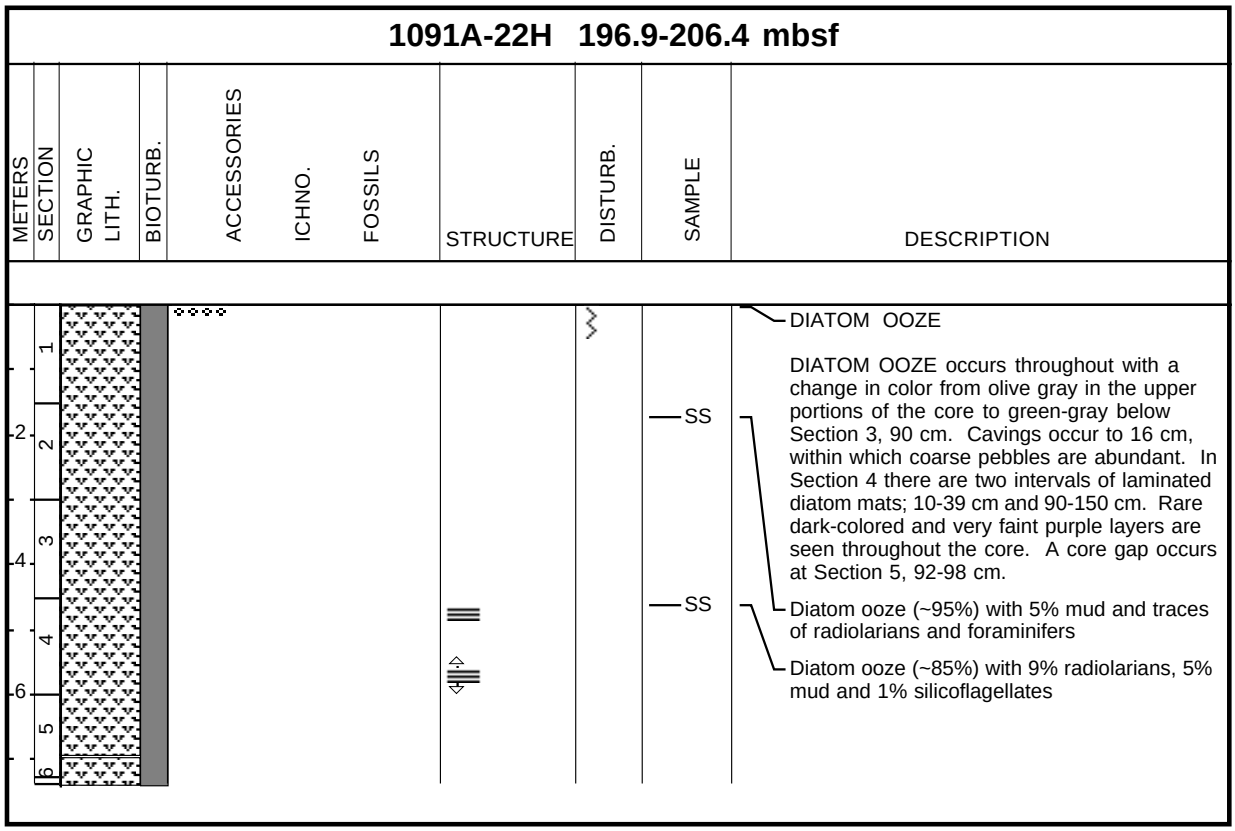
Core Photo


1091A-20H 177.9-187.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE and DIATOM NANNOFOSSIL OOZE
Pale orange/gray and orangish olive DIATOM OOZE, with minor greenish blue DIATOM NANNOFOSSIL OOZE. Minor burrow traces observed, but mottling is common, marked by black sulfide-enriched layers. Benthic foraminifer observed in Section 2, 91 cm, and removed for identification.
Diatom mats in Section 3, 120 cm and Section 4, 63 cm.
SS
Diatom ooze (~93% diatoms), with 5% mud, 1% radiolarians, and 1% sponge spicules
SS
Diatom nannofossil ooze (~28/67%) with 3% mud, 1% radiolarians, and 1% sponge spicules
SS
Diatom ooze (~94% diatoms) with 4% mud, 1% radiolarians, and 1% sponge spicules

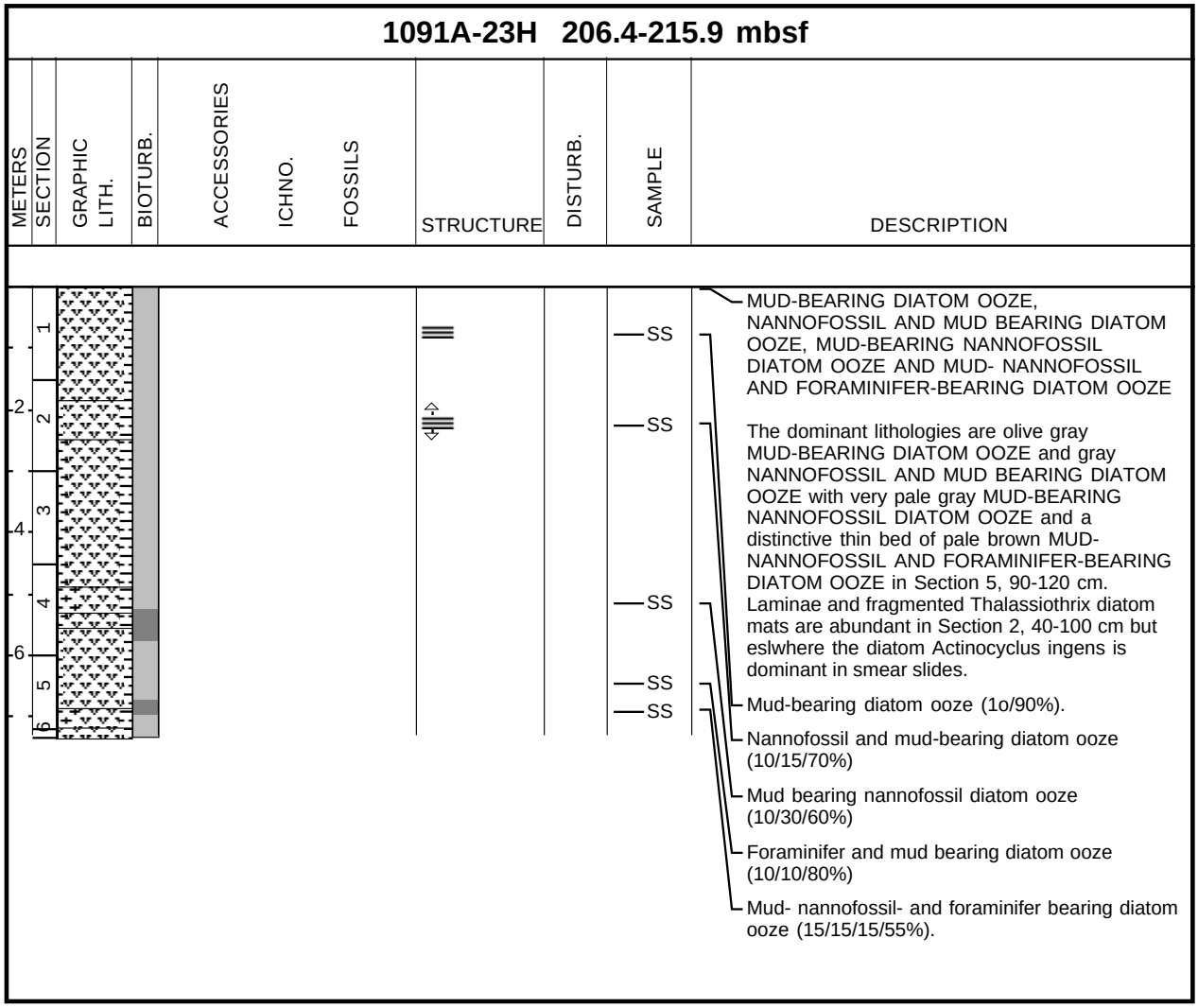
Core Photo


1091A-21H 187.4-196.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE
The lithology is DIATOM OOZE throughout the core, however the color changes downcore. Blue-gray DIATOM OOZE containing intermittently laminated diatom mats is seen to Section 2, 76 cm. From there to Section 4, 135 cm, greenish-brown DIATOM OOZE occurs. Section 4, 135-CC contains green-gray DIATOM OOZE.
Cavings occur to a depth of 28 cm within which numerous dropstones (~1 cm) occur. At the top of Section 2, a 2-cm thick coarse pebble layer is seen. A single dropstone is seen at Section 3, 66 cm. Section 6, 9-13 cm shows a core gap.
Diatom ooze (~95%) with 5% mud and traces of radiolarians and silicoflagellates
Diatom ooze (~92%) with 8% mud
Diatom ooze (~95%) with 5% mud and traces of radiolarians and silicoflagellates

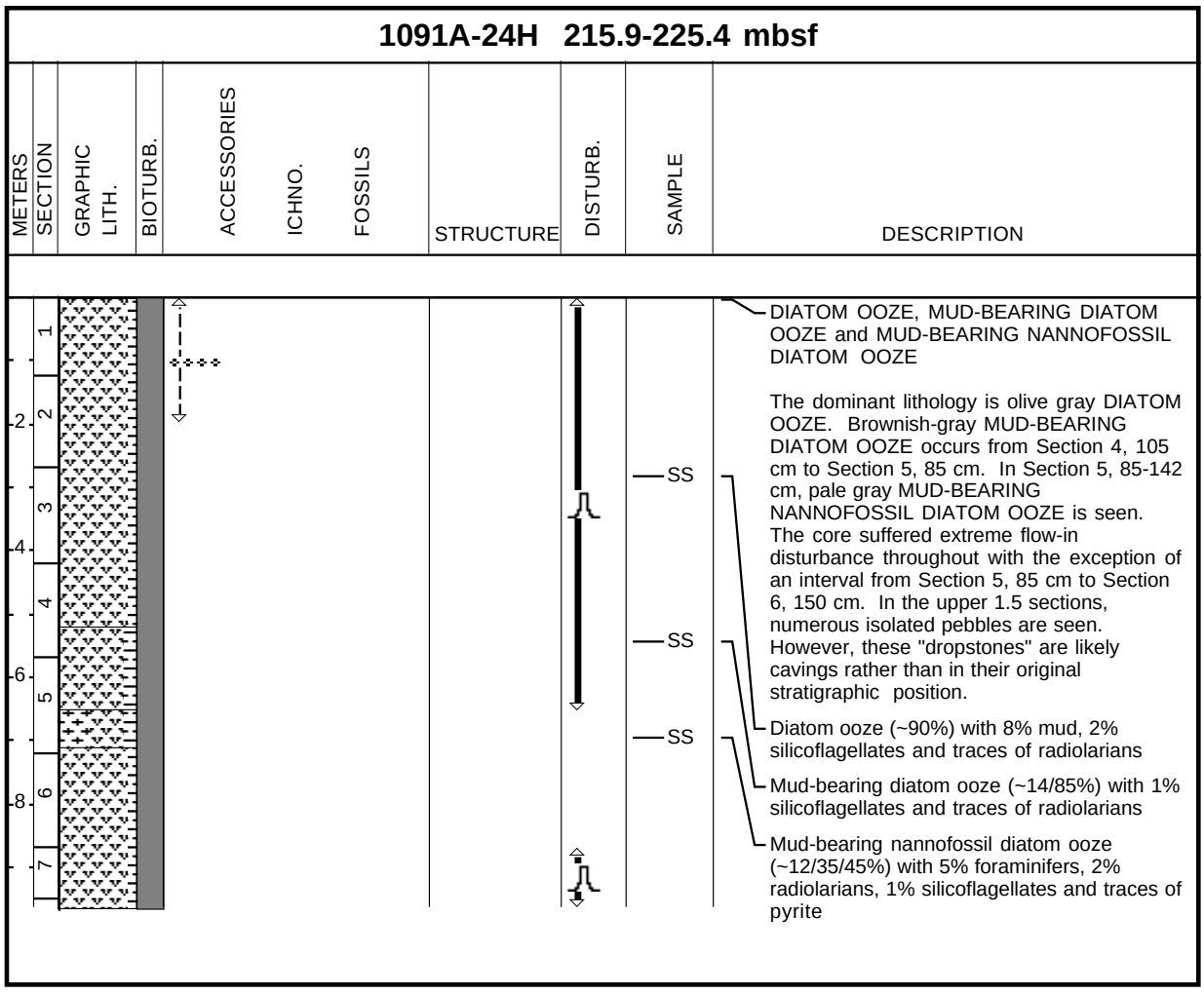
Core Photo


1091A-22H 196.9-206.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM OOZE
DIATOM OOZE occurs throughout with a change in color from olive gray in the upper portions of the core to green-gray below Section 3, 90 cm. Cavings occur to 16 cm, within which coarse pebbles are abundant. In Section 4 there are two intervals of laminated diatom mats; 10-39 cm and 90-150 cm. Rare dark-colored and very faint purple layers are seen throughout the core. A core gap occurs at Section 5, 92-98 cm.
Diatom ooze (~95%) with 5% mud and traces of radiolarians and foraminifers
Diatom ooze (~85%) with 9% radiolarians, 5% mud and 1% silicoflagellates

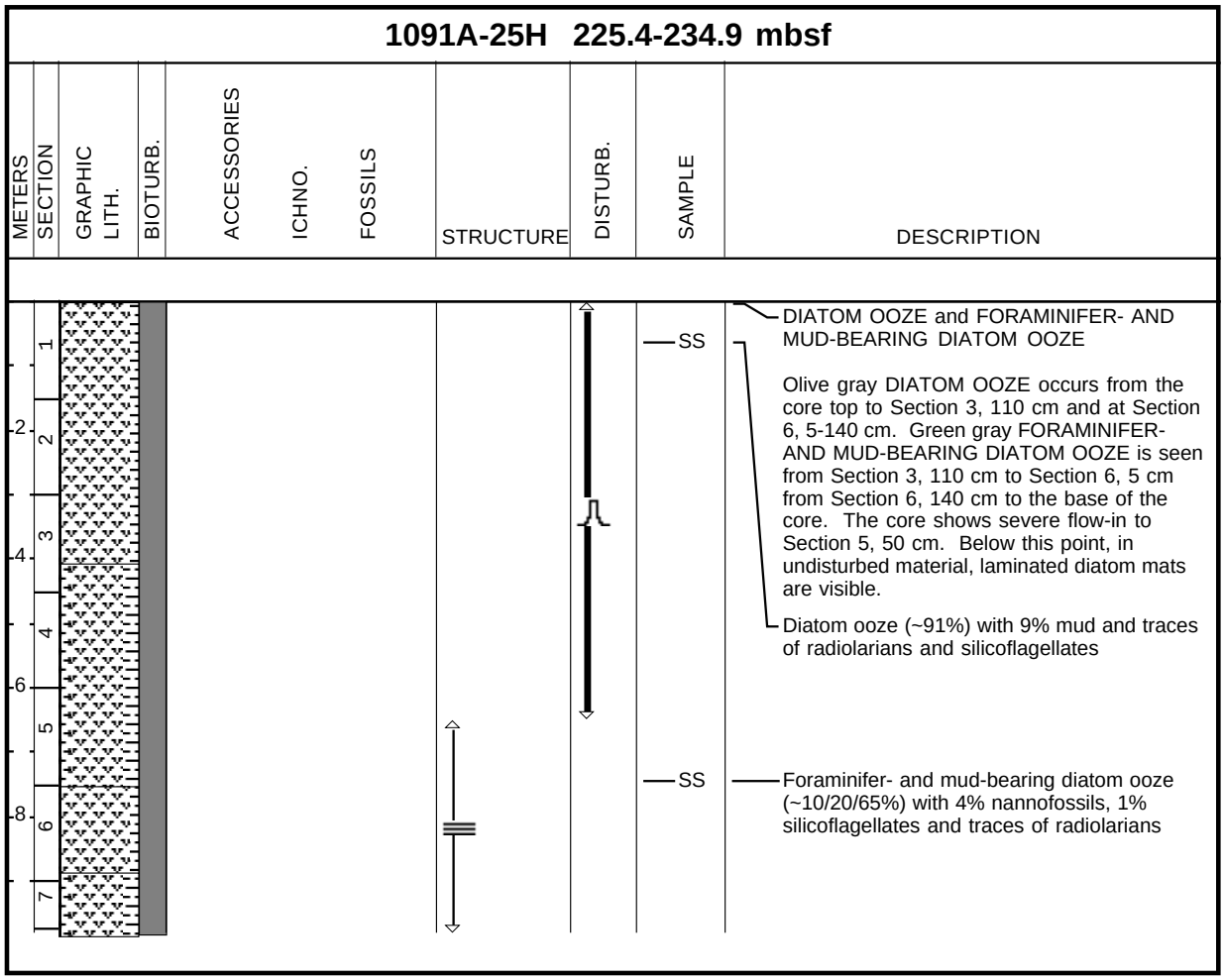
Core Photo


1091A-23H 206.4-215.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
MUD-BEARING DIATOM OOZE, NANNOFOSSIL AND MUD BEARING DIATOM OOZE, MUD-BEARING NANNOFOSSIL DIATOM OOZE AND MUD- NANNOFOSSIL AND FORAMINIFER-BEARING DIATOM OOZE
The dominant lithologies are olive gray MUD-BEARING DIATOM OOZE and gray NANNOFOSSIL AND MUD BEARING DIATOM OOZE with very pale gray MUD-BEARING NANNOFOSSIL DIATOM OOZE and a distinctive thin bed of pale brown MUD-NANNOFOSSIL AND FORAMINIFER-BEARING DIATOM OOZE in Section 5, 90-120 cm. Laminae and fragmented Thalassiothrix diatom mats are abundant in Section 2, 40-100 cm but eslwhere the diatom Actinocyclus ingens is dominant in smear slides.
Mud-bearing diatom ooze (1o/90%).
Nannofossil and mud-bearing diatom ooze (10/15/70%)
Mud bearing nannofossil diatom ooze (10/30/60%)
Foraminifer and mud bearing diatom ooze (10/10/80%)
Mud- nannofossil- and foraminifer bearing diatom ooze (15/15/15/55%).

Core Photo

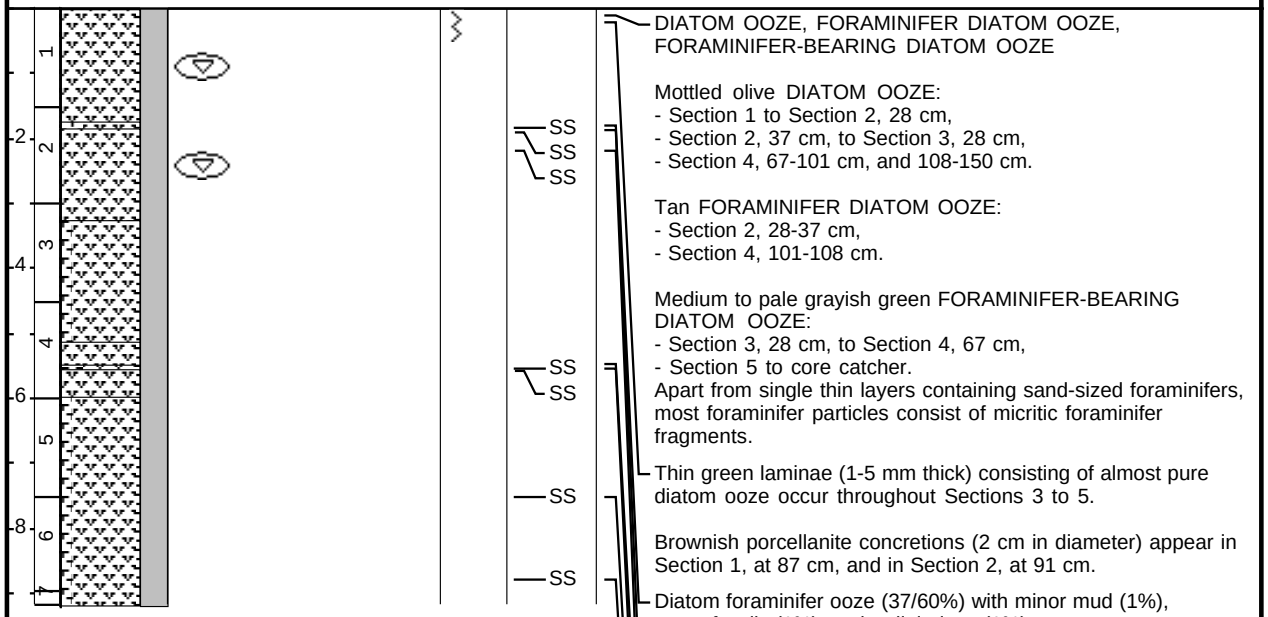

1091A-24H 215.9-225.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE, MUD-BEARING DIATOM OOZE and MUD-BEARING NANNOFOSSIL DIATOM OOZE
The dominant lithology is olive gray DIATOM OOZE. Brownish-gray MUD-BEARING DIATOM OOZE occurs from Section 4, 105 cm to Section 5, 85 cm. In Section 5, 85-142 cm, pale gray MUD-BEARING NANNOFOSSIL DIATOM OOZE is seen. The core suffered extreme flow-in disturbance throughout with the exception of an interval from Section 5, 85 cm to Section 6, 150 cm. In the upper 1.5 sections, numerous isolated pebbles are seen. However, these "dropstones" are likely cavings rather than in their original stratigraphic position.
Diatom ooze (~90%) with 8% mud, 2% silicoflagellates and traces of radiolarians
Mud-bearing diatom ooze (~14/85%) with 1% silicoflagellates and traces of radiolarians
Mud-bearing nannofossil diatom ooze (~12/35/45%) with 5% foraminifers, 2% radiolarians, 1% silicoflagellates and traces of pyrite

Core Photo

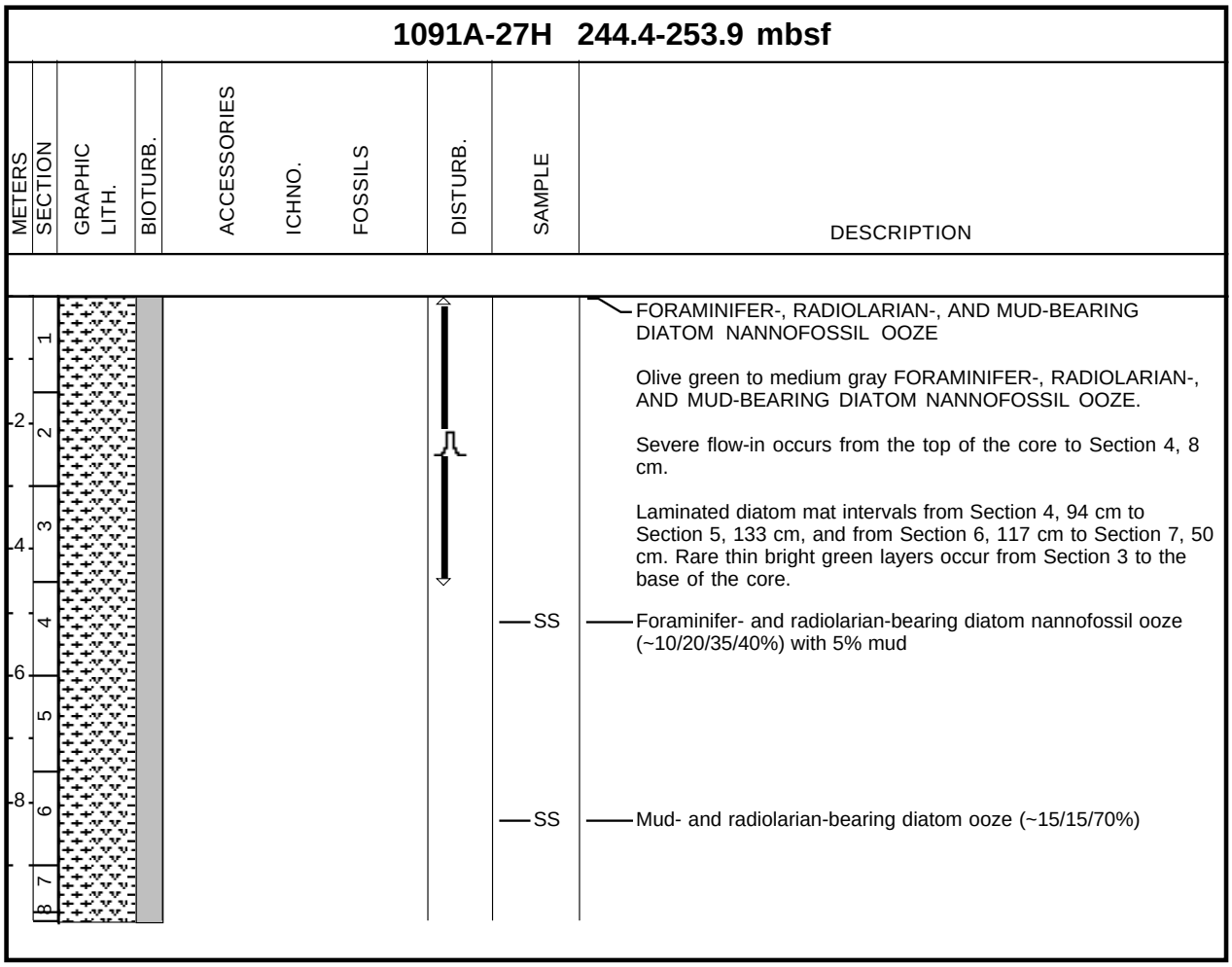

1091A-25H 225.4-234.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM OOZE and FORAMINIFER- AND MUD-BEARING DIATOM OOZE
Olive gray DIATOM OOZE occurs from the core top to Section 3, 110 cm and at Section 6, 5-140 cm. Green gray FORAMINIFER- AND MUD-BEARING DIATOM OOZE is seen from Section 3, 110 cm to Section 6, 5 cm from Section 6, 140 cm to the base of the core. The core shows severe flow-in to Section 5, 50 cm. Below this point, in undisturbed material, laminated diatom mats are visible.
Diatom ooze (~91%) with 9% mud and traces of radiolarians and silicoflagellates
Foraminifer- and mud-bearing diatom ooze (~10/20/65%) with 4% nannofossils, 1% silicoflagellates and traces of radiolarians

Core Photo

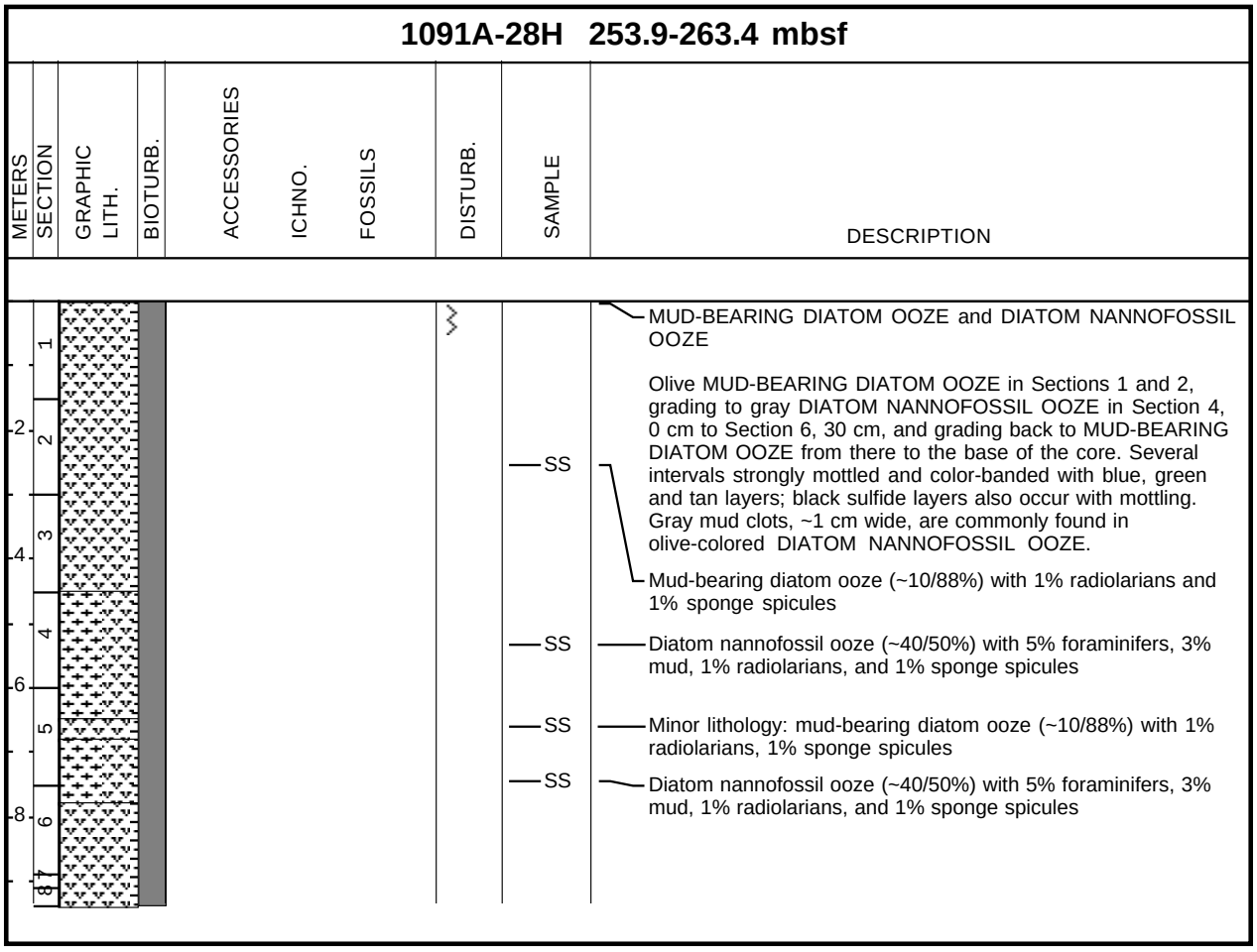
1091A-26H 234.9-244.4 mbsf



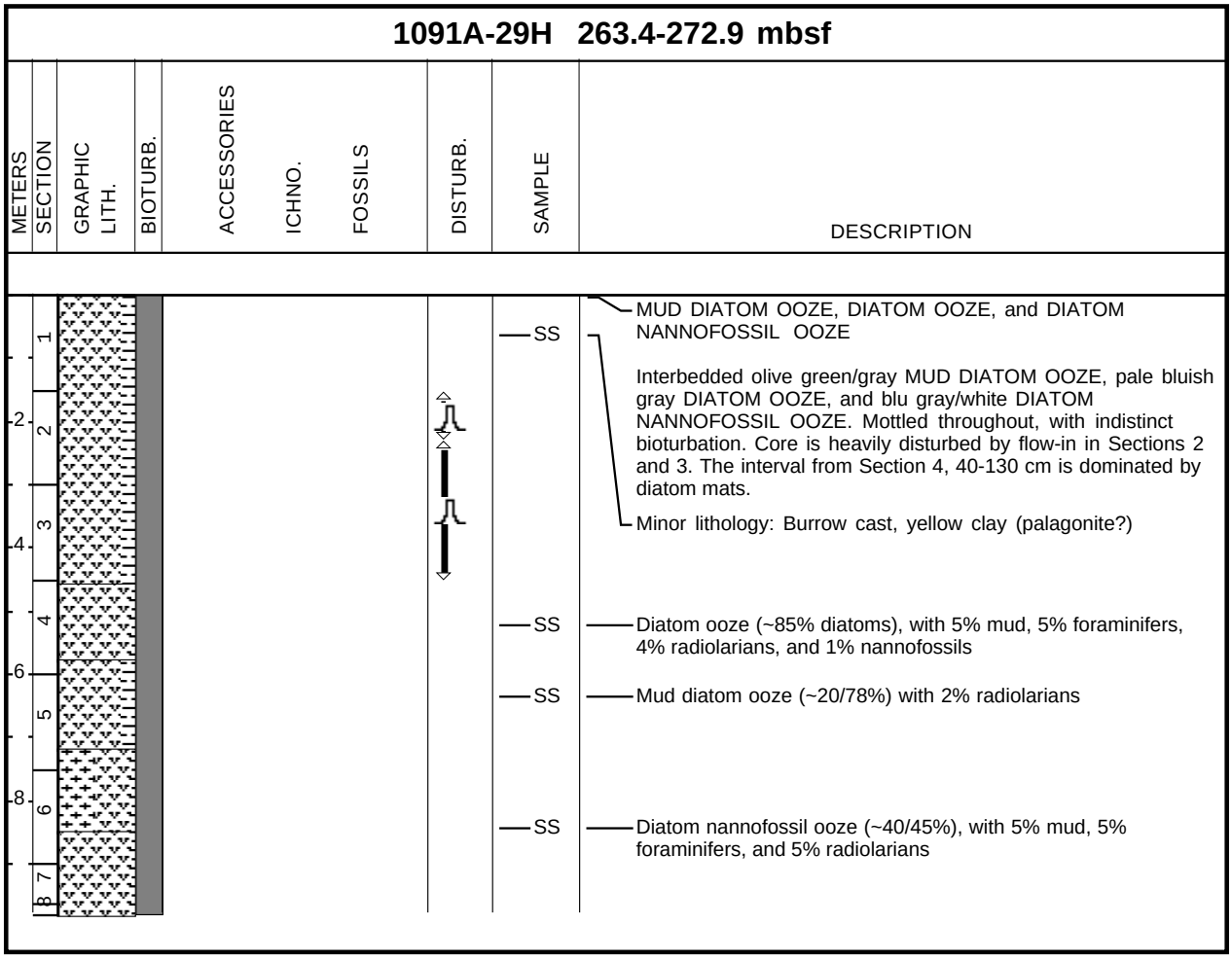
Core Photo


1091A-27H 244.4-253.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
FORAMINIFER-, RADIOLARIAN-, AND MUD-BEARING DIATOM NANNOFOSSIL OOZE
Olive green to medium gray FORAMINIFER-, RADIOLARIAN-, AND MUD-BEARING DIATOM NANNOFOSSIL OOZE.
Severe flow-in occurs from the top of the core to Section 4, 8 cm.
Laminated diatom mat intervals from Section 4, 94 cm to Section 5, 133 cm, and from Section 6, 117 cm to Section 7, 50 cm. Rare thin bright green layers occur from Section 3 to the base of the core.
SS
Foraminifer- and radiolarian-bearing diatom nannofossil ooze (~10/20/35/40%) with 5% mud
SS
Mud- and radiolarian-bearing diatom ooze (~15/15/70%)

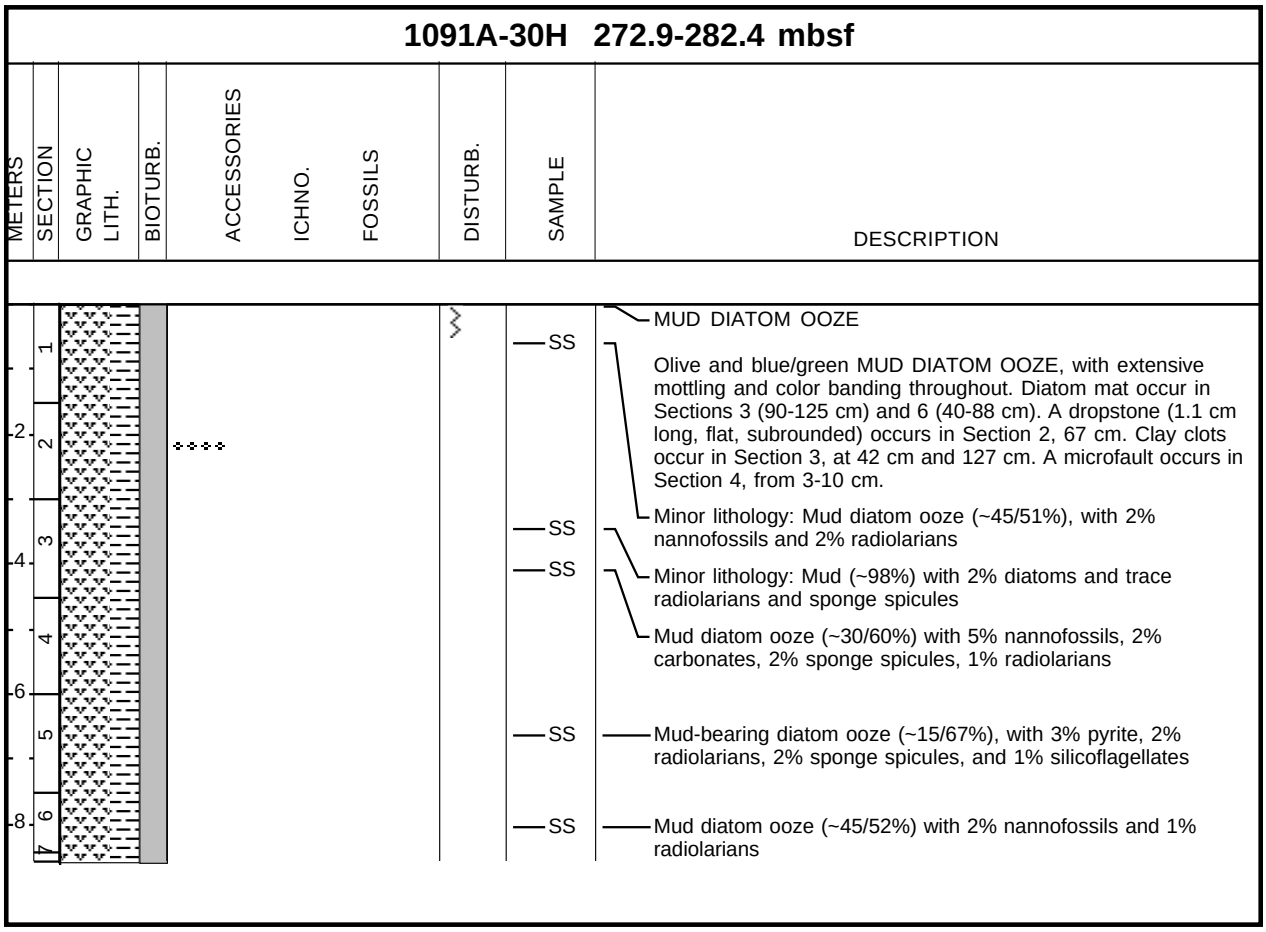
Core Photo


1091A-28H 253.9-263.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING DIATOM OOZE and DIATOM NANNOFOSSIL OOZE
Olive MUD-BEARING DIATOM OOZE in Sections 1 and 2, grading to gray DIATOM NANNOFOSSIL OOZE in Section 4, 0 cm to Section 6, 30 cm, and grading back to MUD-BEARING DIATOM OOZE from there to the base of the core. Several intervals strongly mottled and color-banded with blue, green and tan layers; black sulfide layers also occur with mottling. Gray mud clots, ~1 cm wide, are commonly found in olive-colored DIATOM NANNOFOSSIL OOZE.
SS
Mud-bearing diatom ooze (~10/88%) with 1% radiolarians and 1% sponge spicules
SS
Diatom nannofossil ooze (~40/50%) with 5% foraminifers, 3% mud, 1% radiolarians, and 1% sponge spicules
SS
Minor lithology: mud-bearing diatom ooze (~10/88%) with 1% radiolarians, 1% sponge spicules
SS
Diatom nannofossil ooze (~40/50%) with 5% foraminifers, 3% mud, 1% radiolarians, and 1% sponge spicules
2
4
6
8
1
2
3
4
5
6
7
CC

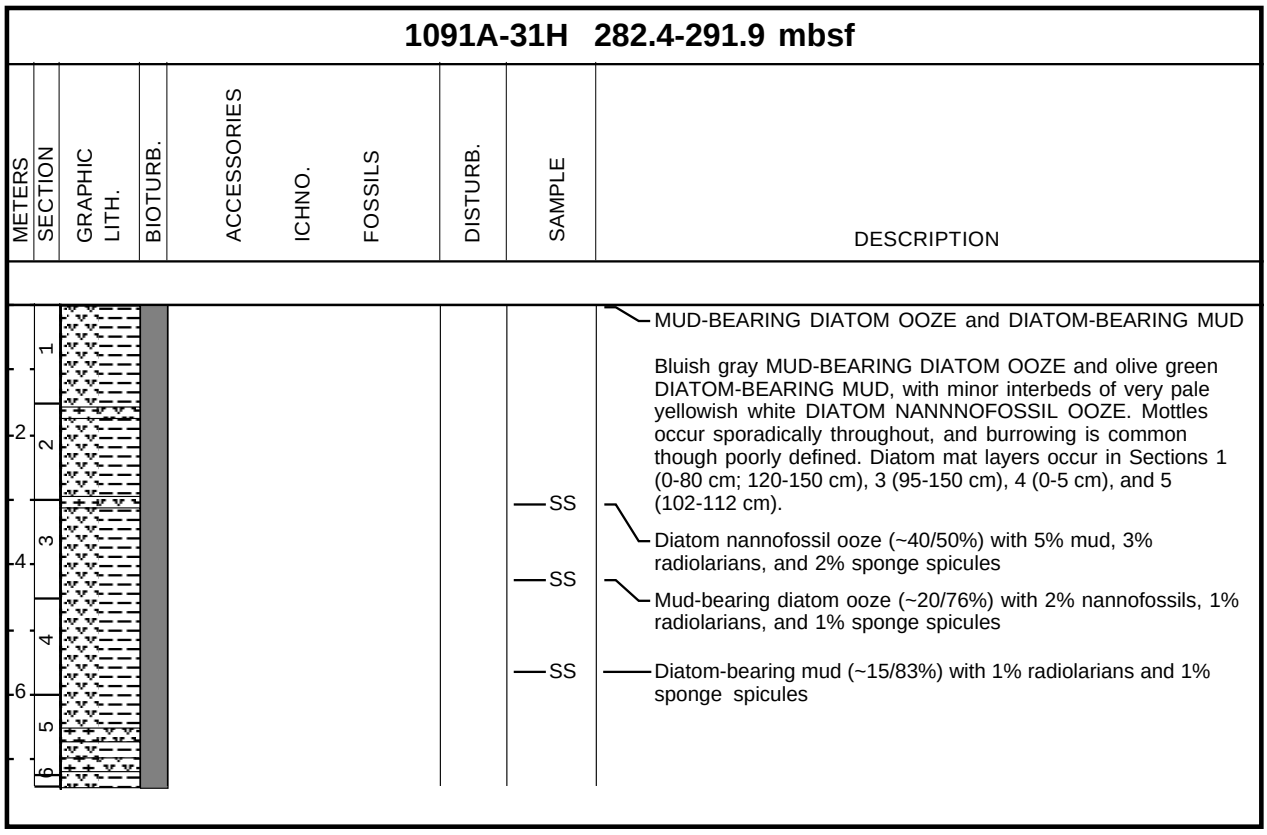
Core Photo


1091A-29H 263.4-272.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD DIATOM OOZE, DIATOM OOZE, and DIATOM NANNOFOSSIL OOZE
SS
Interbedded olive green/gray MUD DIATOM OOZE, pale bluish gray DIATOM OOZE, and blu gray/white DIATOM NANNOFOSSIL OOZE. Mottled throughout, with indistinct bioturbation. Core is heavily disturbed by flow-in in Sections 2 and 3. The interval from Section 4, 40-130 cm is dominated by diatom mats.
Minor lithology: Burrow cast, yellow clay (palagonite?)
SS
Diatom ooze (~85% diatoms), with 5% mud, 5% foraminifers, 4% radiolarians, and 1% nannofossils
SS
Mud diatom ooze (~20/78%) with 2% radiolarians
SS
Diatom nannofossil ooze (~40/45%), with 5% mud, 5% foraminifers, and 5% radiolarians
2
4
6
8
1
2
3
4
5
6
7
B

Core Photo


1091A-30H 272.9-282.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD DIATOM OOZE
SS
Olive and blue/green MUD DIATOM OOZE, with extensive mottling and color banding throughout. Diatom mat occur in Sections 3 (90-125 cm) and 6 (40-88 cm). A dropstone (1.1 cm long, flat, subrounded) occurs in Section 2, 67 cm. Clay clots occur in Section 3, at 42 cm and 127 cm. A microfault occurs in Section 4, from 3-10 cm.
Minor lithology: Mud diatom ooze (~45/51%), with 2% nannofossils and 2% radiolarians
SS
SS
Minor lithology: Mud (~98%) with 2% diatoms and trace radiolarians and sponge spicules
Mud diatom ooze (~30/60%) with 5% nannofossils, 2% carbonates, 2% sponge spicules, 1% radiolarians
SS
Mud-bearing diatom ooze (~15/67%), with 3% pyrite, 2% radiolarians, 2% sponge spicules, and 1% silicoflagellates
SS
Mud diatom ooze (~45/52%) with 2% nannofossils and 1% radiolarians
1
2
3
4
5
6
7
2
4
6
8

Core Photo

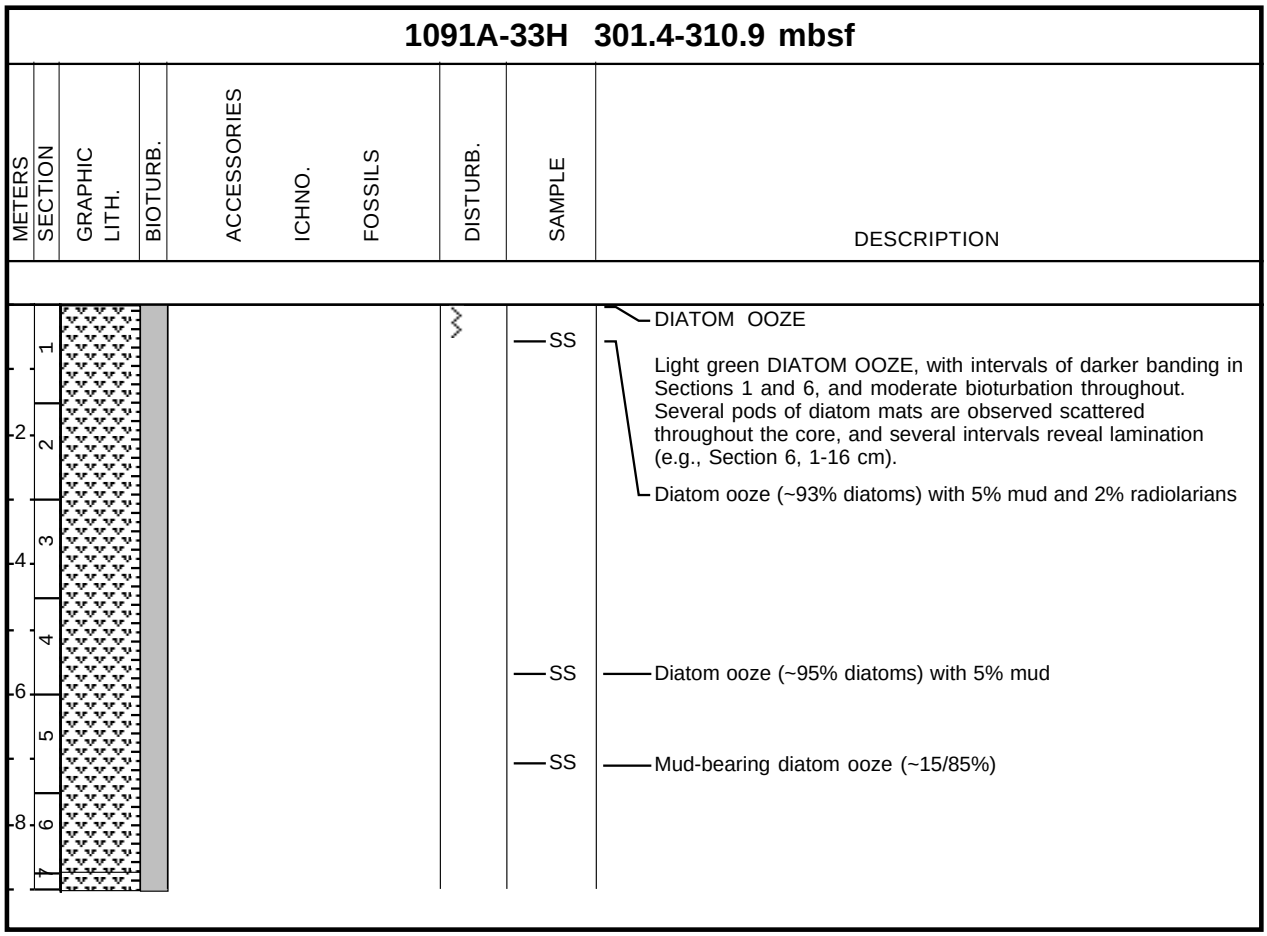

1091A-31H 282.4-291.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING DIATOM OOZE and DIATOM-BEARING MUD
Bluish gray MUD-BEARING DIATOM OOZE and olive green DIATOM-BEARING MUD, with minor interbeds of very pale yellowish white DIATOM NANNNOFOSSIL OOZE. Mottles occur sporadically throughout, and burrowing is common though poorly defined. Diatom mat layers occur in Sections 1 (0-80 cm; 120-150 cm), 3 (95-150 cm), 4 (0-5 cm), and 5 (102-112 cm).
SS
Diatom nannofossil ooze (~40/50%) with 5% mud, 3% radiolarians, and 2% sponge spicules
SS
Mud-bearing diatom ooze (~20/76%) with 2% nannofossils, 1% radiolarians, and 1% sponge spicules
SS
Diatom-bearing mud (~15/83%) with 1% radiolarians and 1% sponge spicules
-2
-4
-6
1
2
3
4
5
6

Core Photo

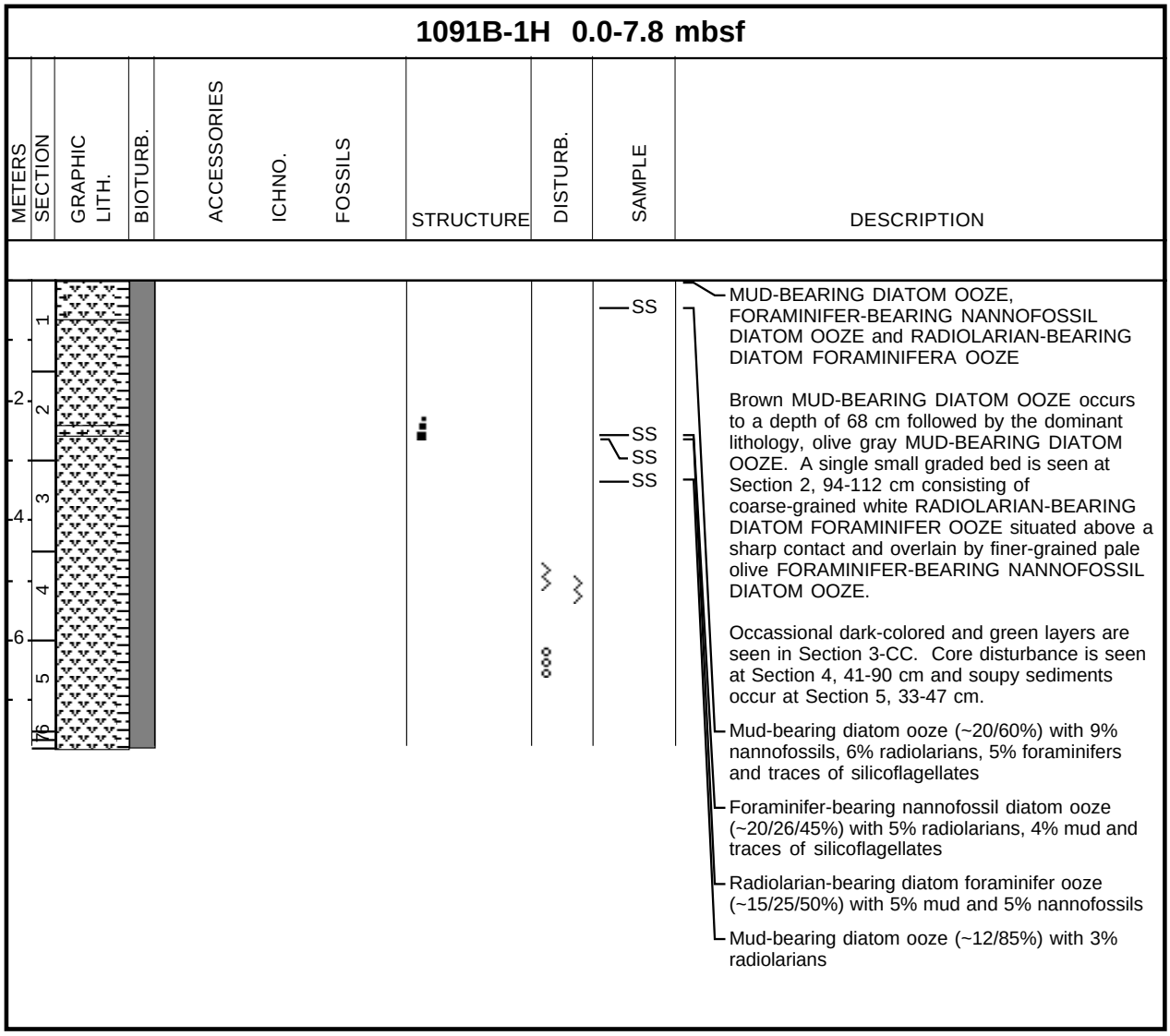
1091A-32H 291.9-301.4 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
2	1								DIATOM OOZE
	2								Light-medium green DIATOM OOZE, with black, tan, and bright green layering. Planolites is present throughout, but not distinct. Mottling is pervasive. Microfaults are present in several intervals, with displacement of about 1 cm-faults, and die out at edges of core. Diatom mats are present from Section 2, 96 cm to Section 4, 27 cm, and reappear amid tan layers in Section 4, 96-132 cm. Black and purple mm-scale laminatons occur below two mat intervals in Section 3 (at 52 cm and 90 cm).
4	3							SS	Diatom ooze (~85% diatoms) with 5% mud, 5% radiolarians, and 5% silicoflagellates
	4								
6	5							SS	Diatom ooze (~95% diatoms) with 5% mud
	6								

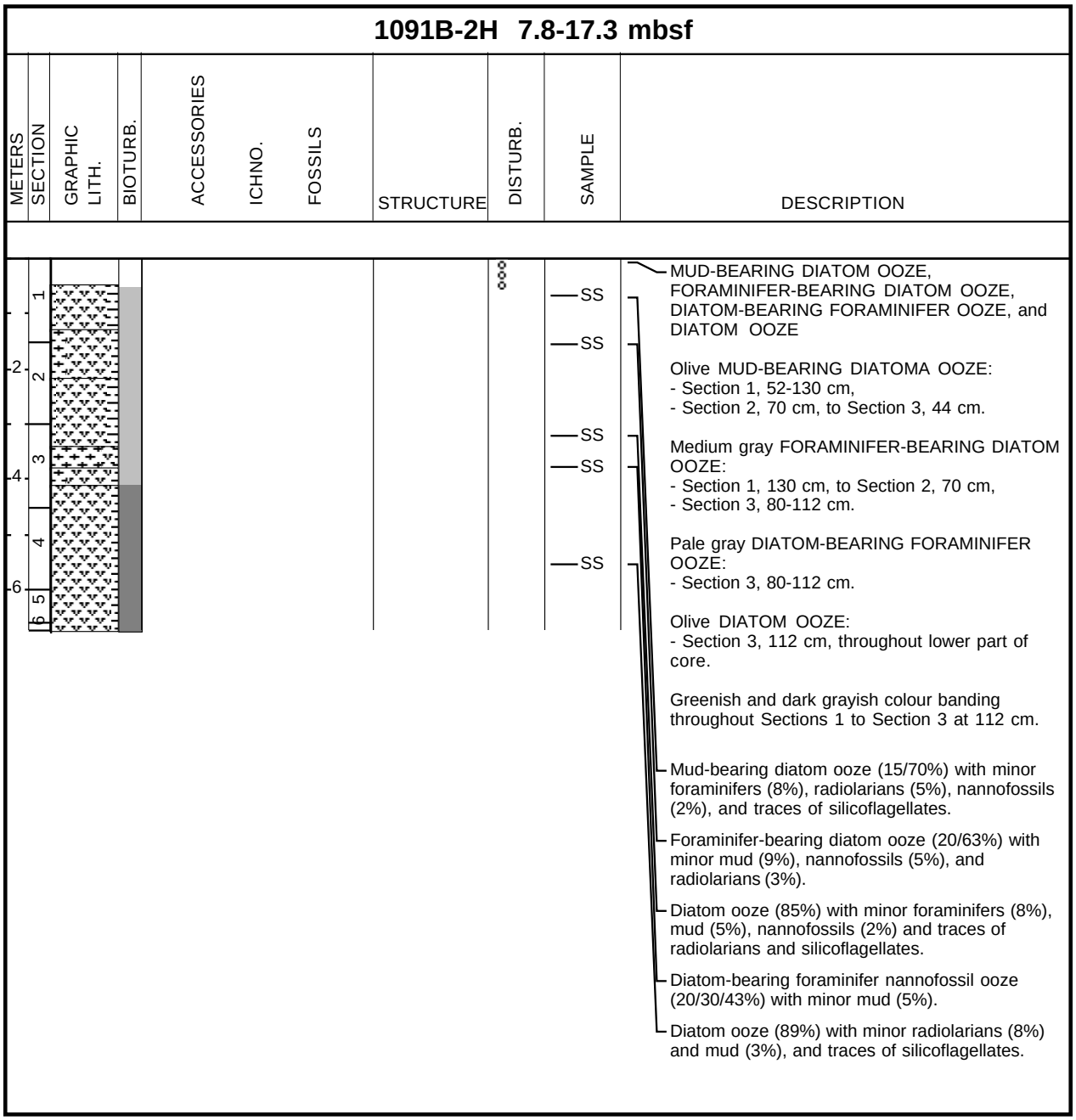
Core Photo


1091A-33H 301.4-310.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
SS
Light green DIATOM OOZE, with intervals of darker banding in Sections 1 and 6, and moderate bioturbation throughout. Several pods of diatom mats are observed scattered throughout the core, and several intervals reveal lamination (e.g., Section 6, 1-16 cm).
Diatom ooze (~93% diatoms) with 5% mud and 2% radiolarians
SS
Diatom ooze (~95% diatoms) with 5% mud
SS
Mud-bearing diatom ooze (~15/85%)

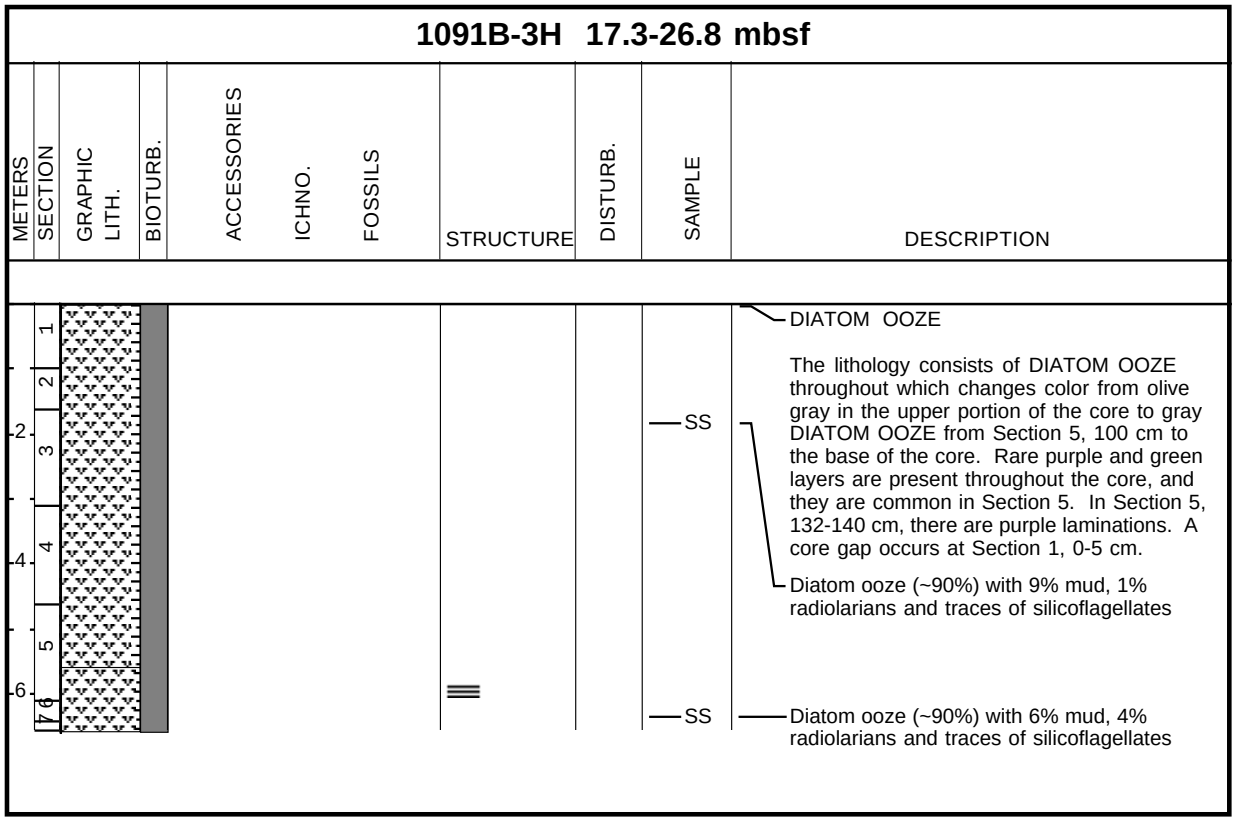
Core Photo


1091B-1H 0.0-7.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
MUD-BEARING DIATOM OOZE, FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE and RADIOLARIAN-BEARING DIATOM FORAMINIFERA OOZE
Brown MUD-BEARING DIATOM OOZE occurs to a depth of 68 cm followed by the dominant lithology, olive gray MUD-BEARING DIATOM OOZE. A single small graded bed is seen at Section 2, 94-112 cm consisting of coarse-grained white RADIOLARIAN-BEARING DIATOM FORAMINIFER OOZE situated above a sharp contact and overlain by finer-grained pale olive FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE.
Occassional dark-colored and green layers are seen in Section 3-CC. Core disturbance is seen at Section 4, 41-90 cm and soupy sediments occur at Section 5, 33-47 cm.
Mud-bearing diatom ooze (~20/60%) with 9% nannofossils, 6% radiolarians, 5% foraminifers and traces of silicoflagellates
Foraminifer-bearing nannofossil diatom ooze (~20/26/45%) with 5% radiolarians, 4% mud and traces of silicoflagellates
Radiolarian-bearing diatom foraminifer ooze (~15/25/50%) with 5% mud and 5% nannofossils
Mud-bearing diatom ooze (~12/85%) with 3% radiolarians

Core Photo

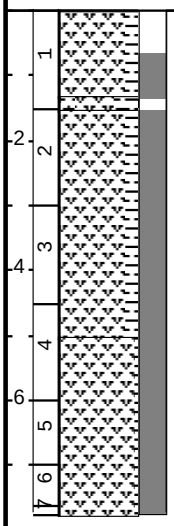

1091B-2H 7.8-17.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
MUD-BEARING DIATOM OOZE, FORAMINIFER-BEARING DIATOM OOZE, DIATOM-BEARING FORAMINIFER OOZE, and DIATOM OOZE
Olive MUD-BEARING DIATOMA OOZE:
- Section 1, 52-130 cm,
- Section 2, 70 cm, to Section 3, 44 cm.
Medium gray FORAMINIFER-BEARING DIATOM OOZE:
- Section 1, 130 cm, to Section 2, 70 cm,
- Section 3, 80-112 cm.
Pale gray DIATOM-BEARING FORAMINIFER OOZE:
- Section 3, 80-112 cm.
Olive DIATOM OOZE:
- Section 3, 112 cm, throughout lower part of core.
Greenish and dark grayish colour banding throughout Sections 1 to Section 3 at 112 cm.
Mud-bearing diatom ooze (15/70%) with minor foraminifers (8%), radiolarians (5%), nannofossils (2%), and traces of silicoflagellates.
Foraminifer-bearing diatom ooze (20/63%) with minor mud (9%), nannofossils (5%), and radiolarians (3%).
Diatom ooze (85%) with minor foraminifers (8%), mud (5%), nannofossils (2%) and traces of radiolarians and silicoflagellates.
Diatom-bearing foraminifer nannofossil ooze (20/30/43%) with minor mud (5%).
Diatom ooze (89%) with minor radiolarians (8%) and mud (3%), and traces of silicoflagellates.

Core Photo

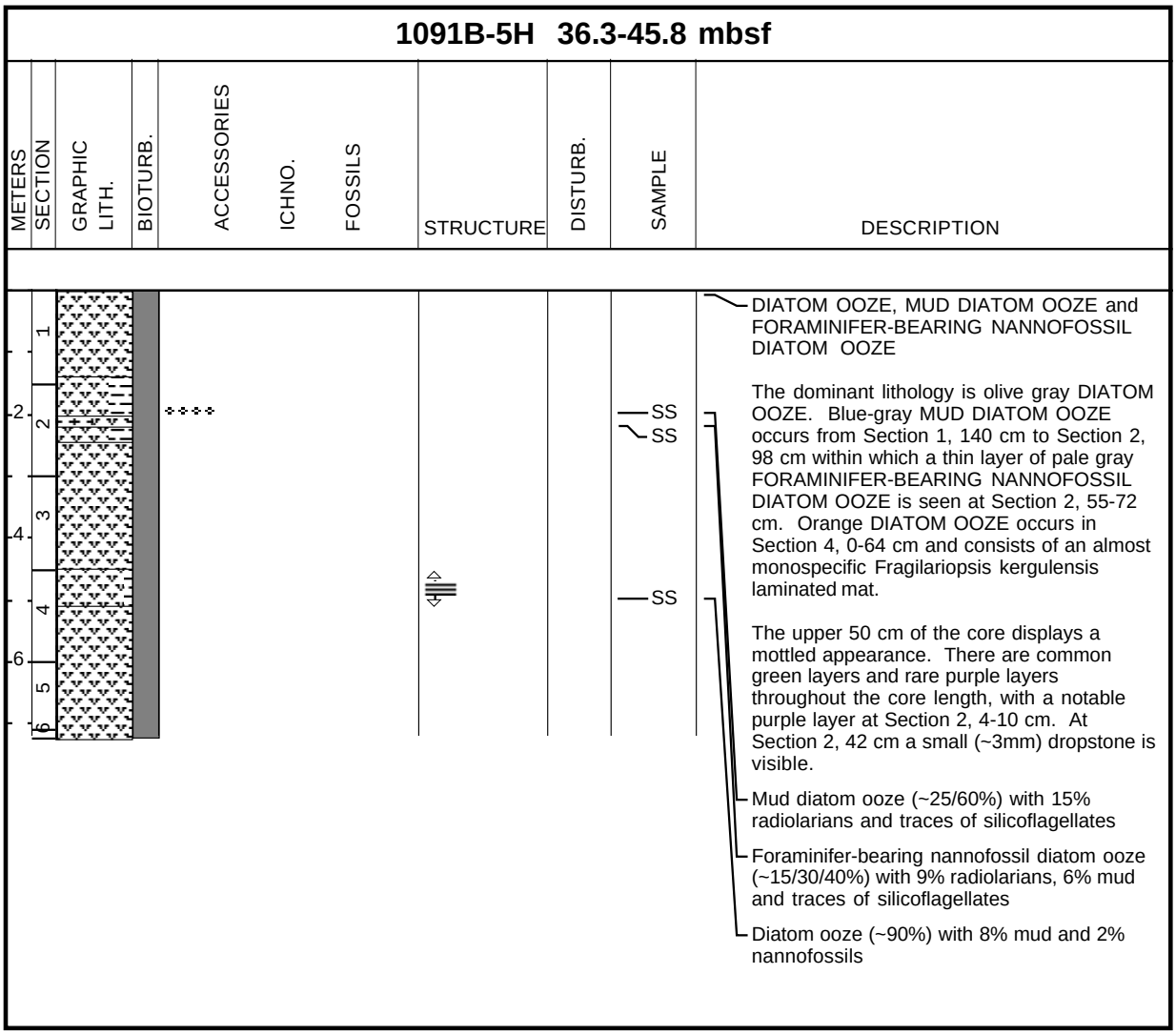

1091B-3H 17.3-26.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
The lithology consists of DIATOM OOZE throughout which changes color from olive gray in the upper portion of the core to gray DIATOM OOZE from Section 5, 100 cm to the base of the core. Rare purple and green layers are present throughout the core, and they are common in Section 5. In Section 5, 132-140 cm, there are purple laminations. A core gap occurs at Section 1, 0-5 cm.
SS
Diatom ooze (~90%) with 9% mud, 1% radiolarians and traces of silicoflagellates
SS
Diatom ooze (~90%) with 6% mud, 4% radiolarians and traces of silicoflagellates

Core Photo

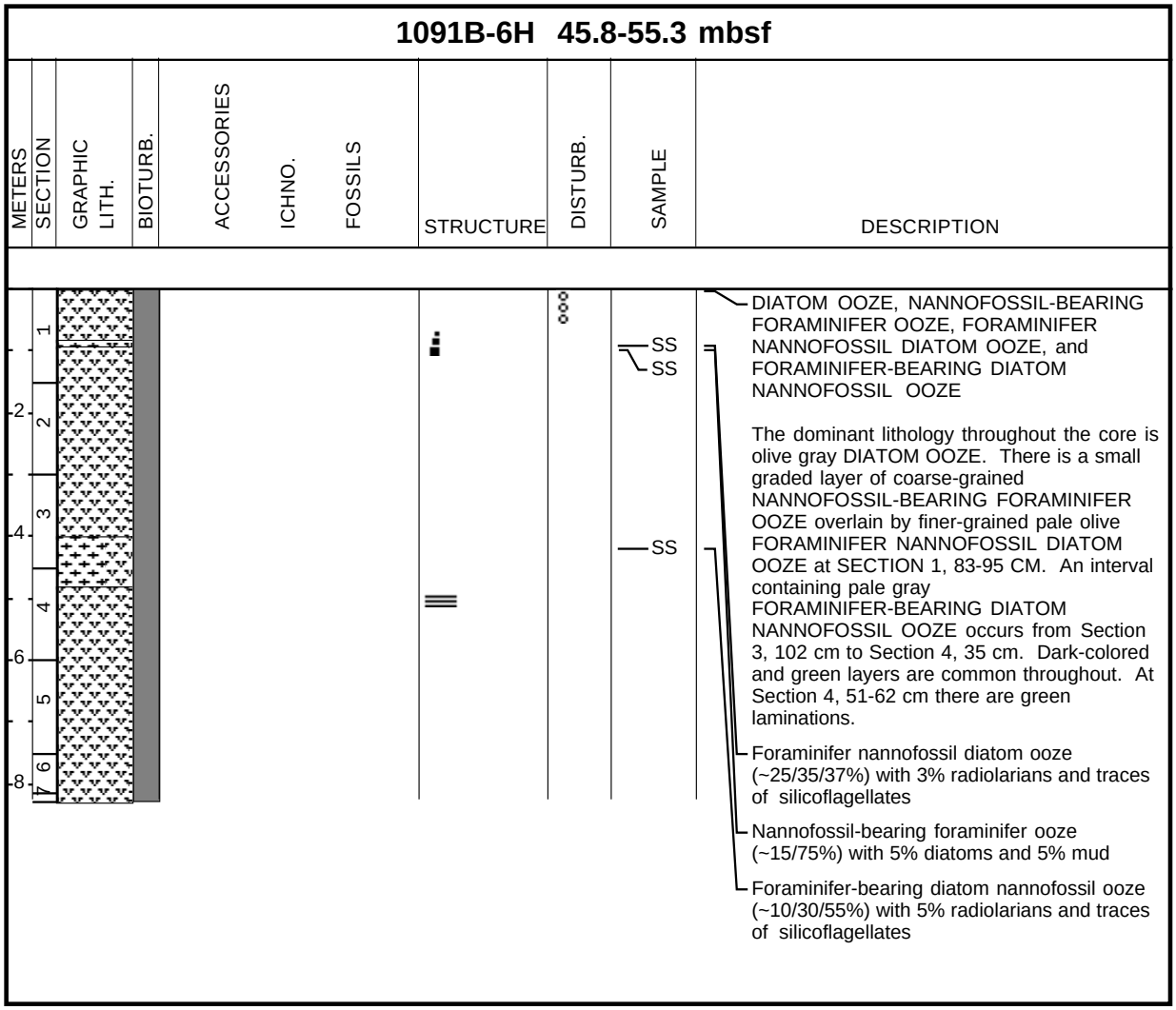
1091B-4H 26.8-36.3 mbsf



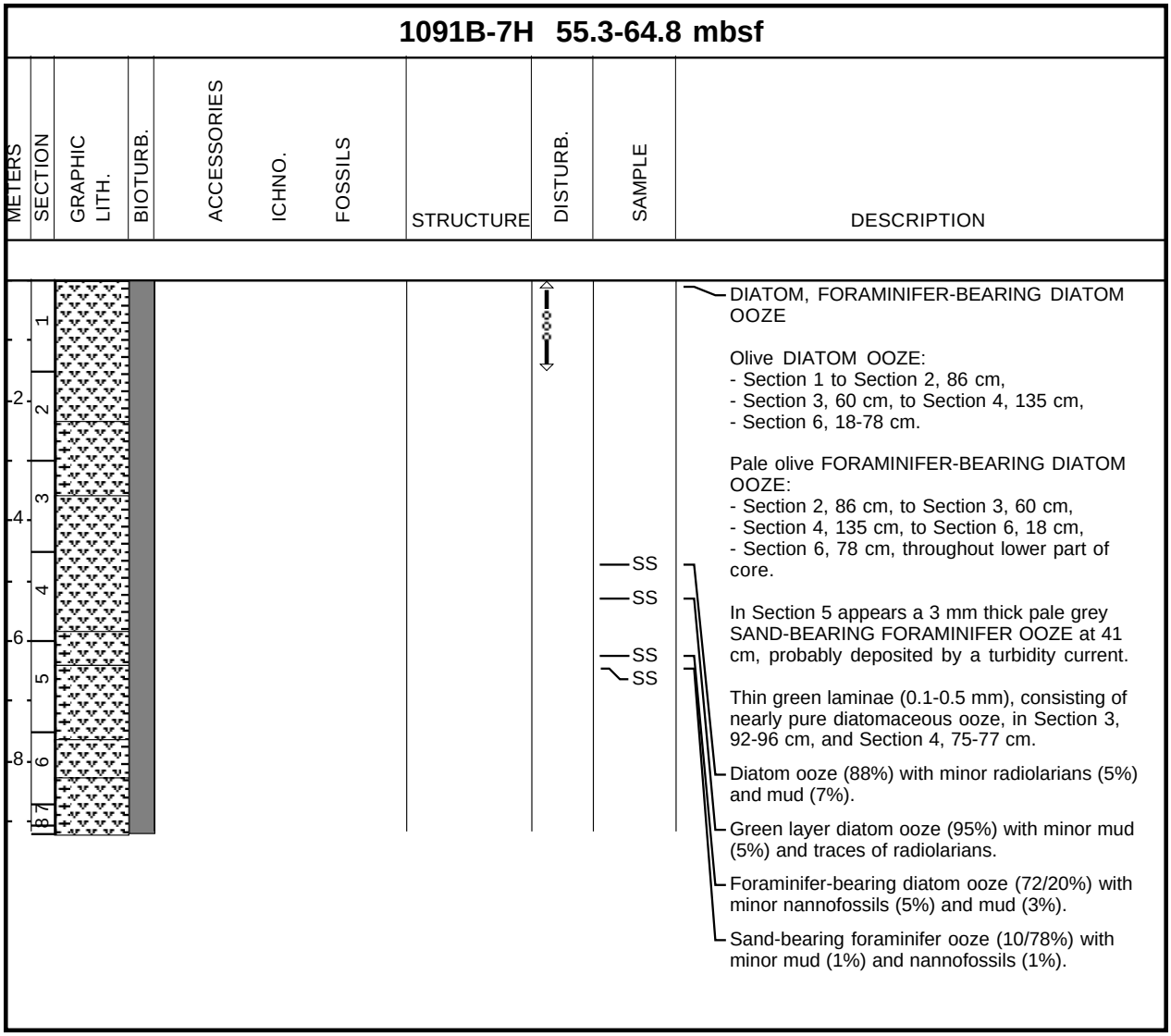
Core Photo


1091B-5H 36.3-45.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE, MUD DIATOM OOZE and FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE
The dominant lithology is olive gray DIATOM OOZE. Blue-gray MUD DIATOM OOZE occurs from Section 1, 140 cm to Section 2, 98 cm within which a thin layer of pale gray FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE is seen at Section 2, 55-72 cm. Orange DIATOM OOZE occurs in Section 4, 0-64 cm and consists of an almost monospecific Fragilariopsis kergulensis laminated mat.
The upper 50 cm of the core displays a mottled appearance. There are common green layers and rare purple layers throughout the core length, with a notable purple layer at Section 2, 4-10 cm. At Section 2, 42 cm a small (~3mm) dropstone is visible.
Mud diatom ooze (~25/60%) with 15% radiolarians and traces of silicoflagellates
Foraminifer-bearing nannofossil diatom ooze (~15/30/40%) with 9% radiolarians, 6% mud and traces of silicoflagellates
Diatom ooze (~90%) with 8% mud and 2% nannofossils

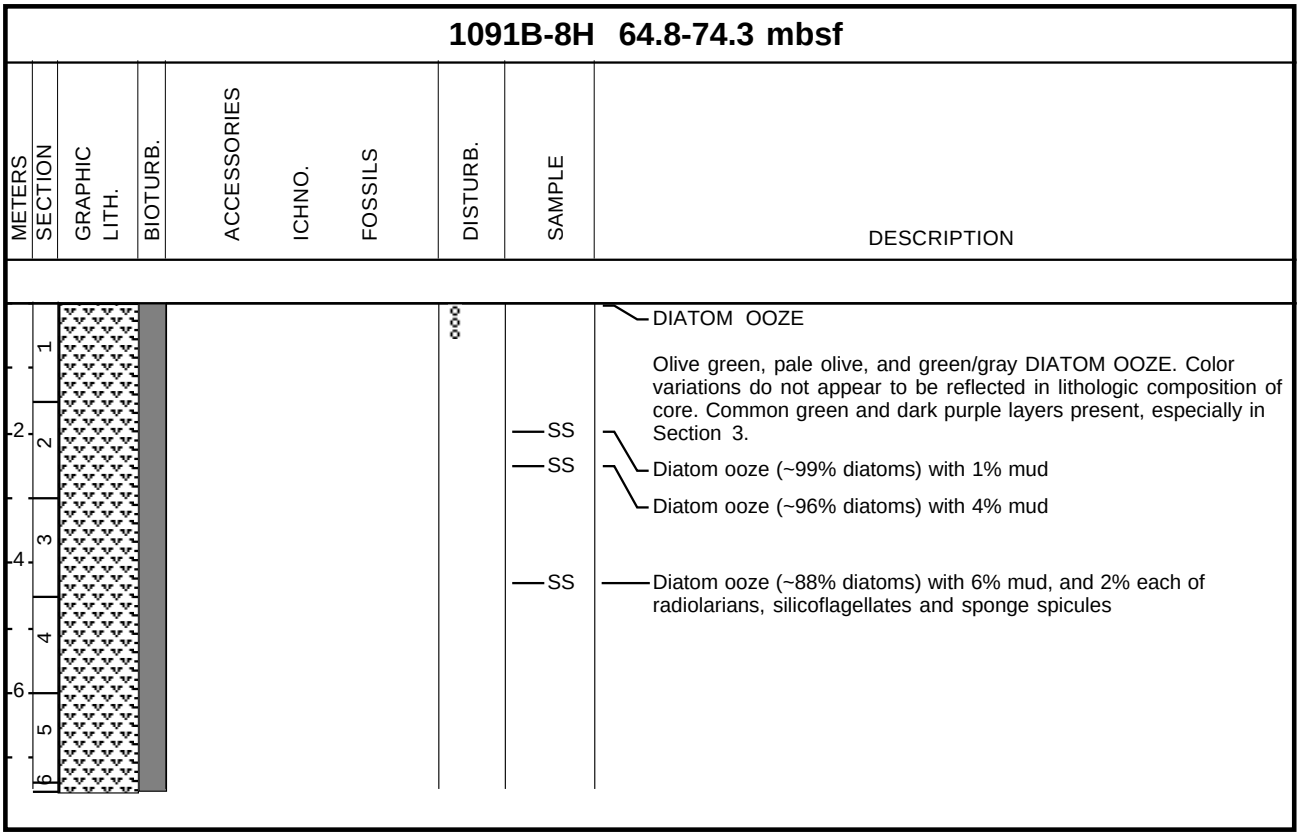
Core Photo


1091B-6H 45.8-55.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE, NANNOFOSSIL-BEARING FORAMINIFER OOZE, FORAMINIFER NANNOFOSSIL DIATOM OOZE, and FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE
The dominant lithology throughout the core is olive gray DIATOM OOZE. There is a small graded layer of coarse-grained NANNOFOSSIL-BEARING FORAMINIFER OOZE overlain by finer-grained pale olive FORAMINIFER NANNOFOSSIL DIATOM OOZE at SECTION 1, 83-95 CM. An interval containing pale gray FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE occurs from Section 3, 102 cm to Section 4, 35 cm. Dark-colored and green layers are common throughout. At Section 4, 51-62 cm there are green laminations.
Foraminifer nannofossil diatom ooze (~25/35/37%) with 3% radiolarians and traces of silicoflagellates
Nannofossil-bearing foraminifer ooze (~15/75%) with 5% diatoms and 5% mud
Foraminifer-bearing diatom nannofossil ooze (~10/30/55%) with 5% radiolarians and traces of silicoflagellates

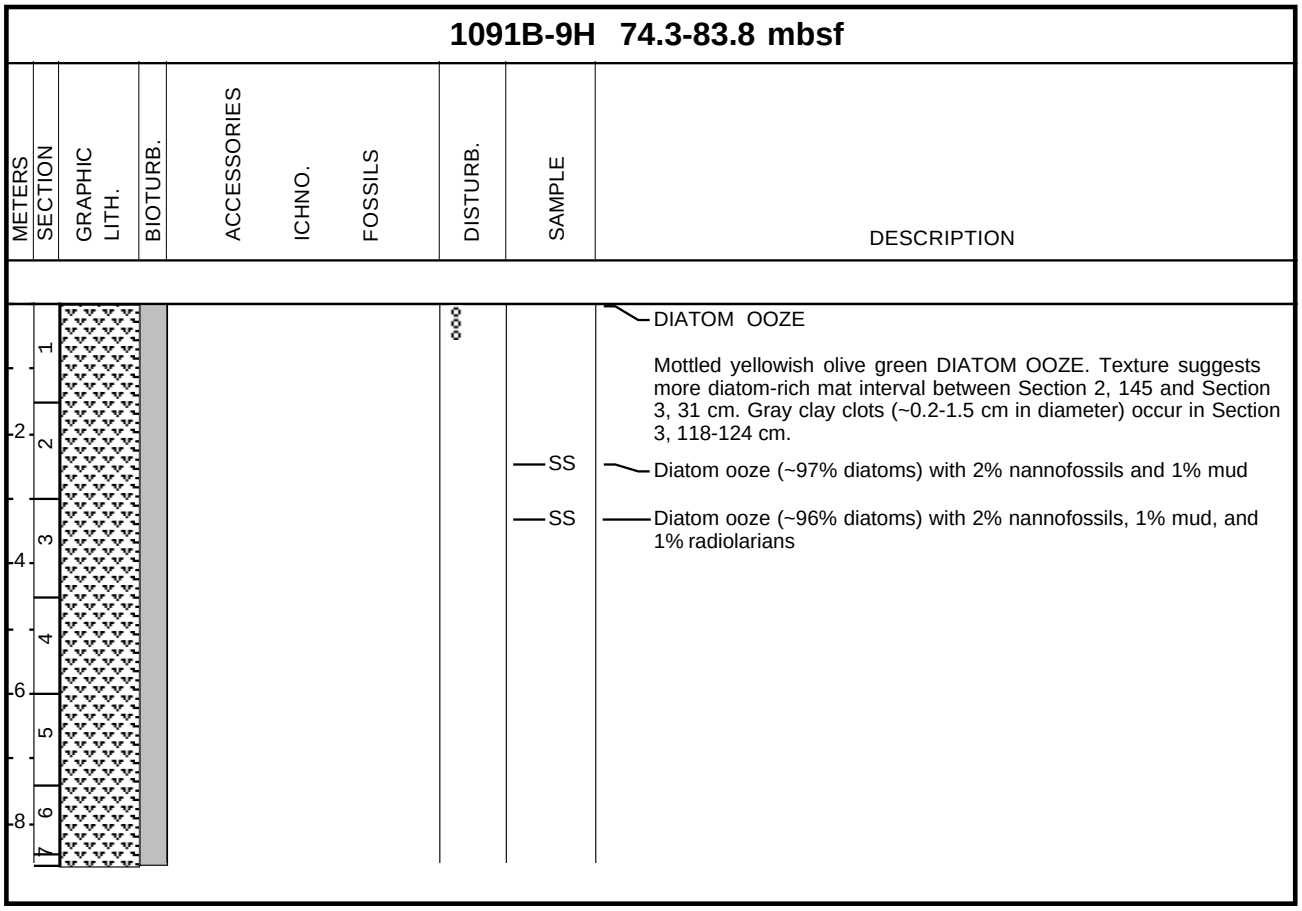
Core Photo


1091B-7H 55.3-64.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM, FORAMINIFER-BEARING DIATOM OOZE
Olive DIATOM OOZE:
- Section 1 to Section 2, 86 cm,
- Section 3, 60 cm, to Section 4, 135 cm,
- Section 6, 18-78 cm.
Pale olive FORAMINIFER-BEARING DIATOM OOZE:
- Section 2, 86 cm, to Section 3, 60 cm,
- Section 4, 135 cm, to Section 6, 18 cm,
- Section 6, 78 cm, throughout lower part of core.
In Section 5 appears a 3 mm thick pale grey SAND-BEARING FORAMINIFER OOZE at 41 cm, probably deposited by a turbidity current.
Thin green laminae (0.1-0.5 mm), consisting of nearly pure diatomaceous ooze, in Section 3, 92-96 cm, and Section 4, 75-77 cm.
Diatom ooze (88%) with minor radiolarians (5%) and mud (7%).
Green layer diatom ooze (95%) with minor mud (5%) and traces of radiolarians.
Foraminifer-bearing diatom ooze (72/20%) with minor nannofossils (5%) and mud (3%).
Sand-bearing foraminifer ooze (10/78%) with minor mud (1%) and nannofossils (1%).

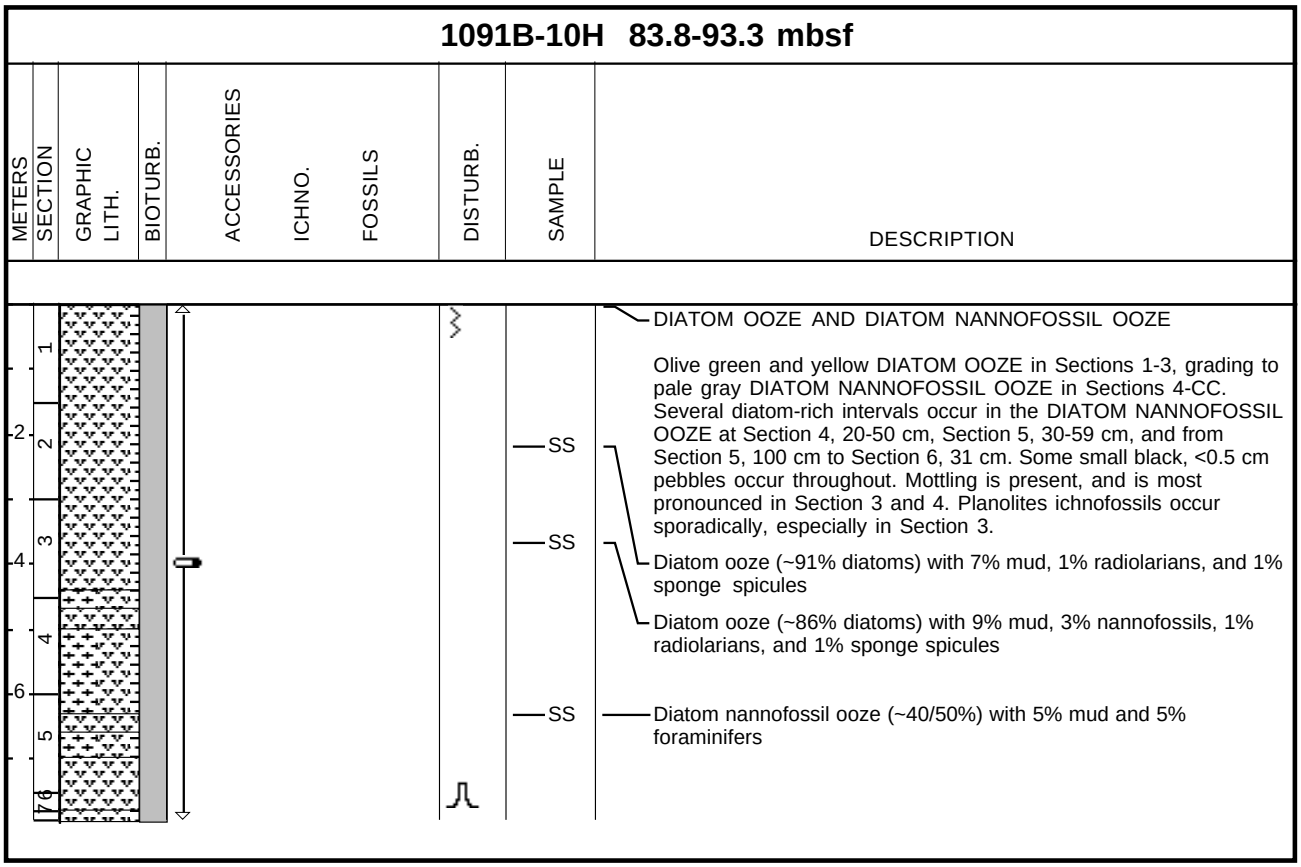
Core Photo


1091B-8H 64.8-74.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Olive green, pale olive, and green/gray DIATOM OOZE. Color variations do not appear to be reflected in lithologic composition of core. Common green and dark purple layers present, especially in Section 3.
SS
SS
Diatom ooze (~99% diatoms) with 1% mud
Diatom ooze (~96% diatoms) with 4% mud
SS
Diatom ooze (~88% diatoms) with 6% mud, and 2% each of radiolarians, silicoflagellates and sponge spicules

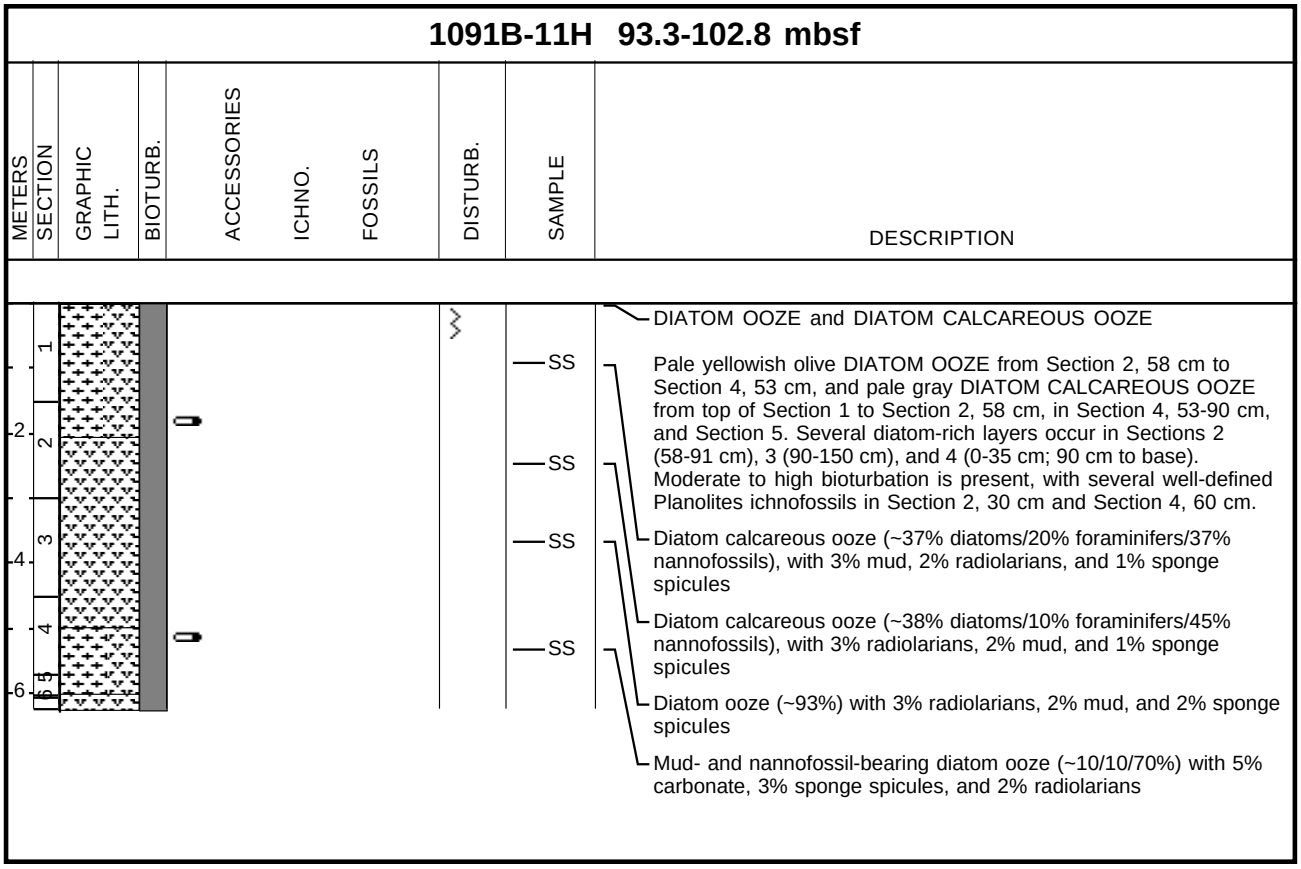
Core Photo


1091B-9H 74.3-83.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Mottled yellowish olive green DIATOM OOZE. Texture suggests more diatom-rich mat interval between Section 2, 145 and Section 3, 31 cm. Gray clay clots (~0.2-1.5 cm in diameter) occur in Section 3, 118-124 cm.
SS
Diatom ooze (~97% diatoms) with 2% nannofossils and 1% mud
SS
Diatom ooze (~96% diatoms) with 2% nannofossils, 1% mud, and 1% radiolarians

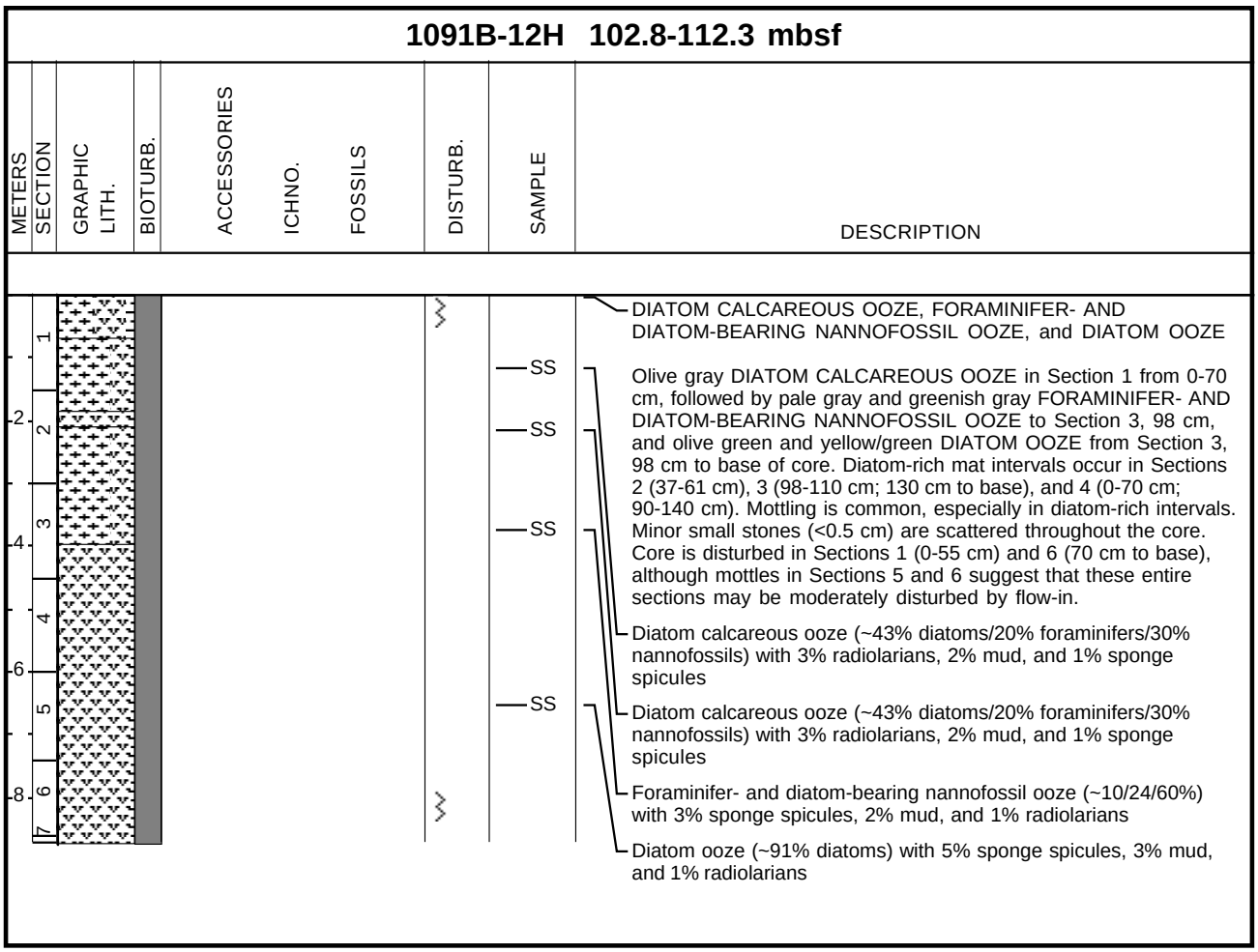
Core Photo


1091B-10H 83.8-93.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE AND DIATOM NANNOFOSSIL OOZE
Olive green and yellow DIATOM OOZE in Sections 1-3, grading to pale gray DIATOM NANNOFOSSIL OOZE in Sections 4-CC. Several diatom-rich intervals occur in the DIATOM NANNOFOSSIL OOZE at Section 4, 20-50 cm, Section 5, 30-59 cm, and from Section 5, 100 cm to Section 6, 31 cm. Some small black, <0.5 cm pebbles occur throughout. Mottling is present, and is most pronounced in Section 3 and 4. Planolites ichnofossils occur sporadically, especially in Section 3.
Diatom ooze (~91% diatoms) with 7% mud, 1% radiolarians, and 1% sponge spicules
Diatom ooze (~86% diatoms) with 9% mud, 3% nannofossils, 1% radiolarians, and 1% sponge spicules
Diatom nannofossil ooze (~40/50%) with 5% mud and 5% foraminifers

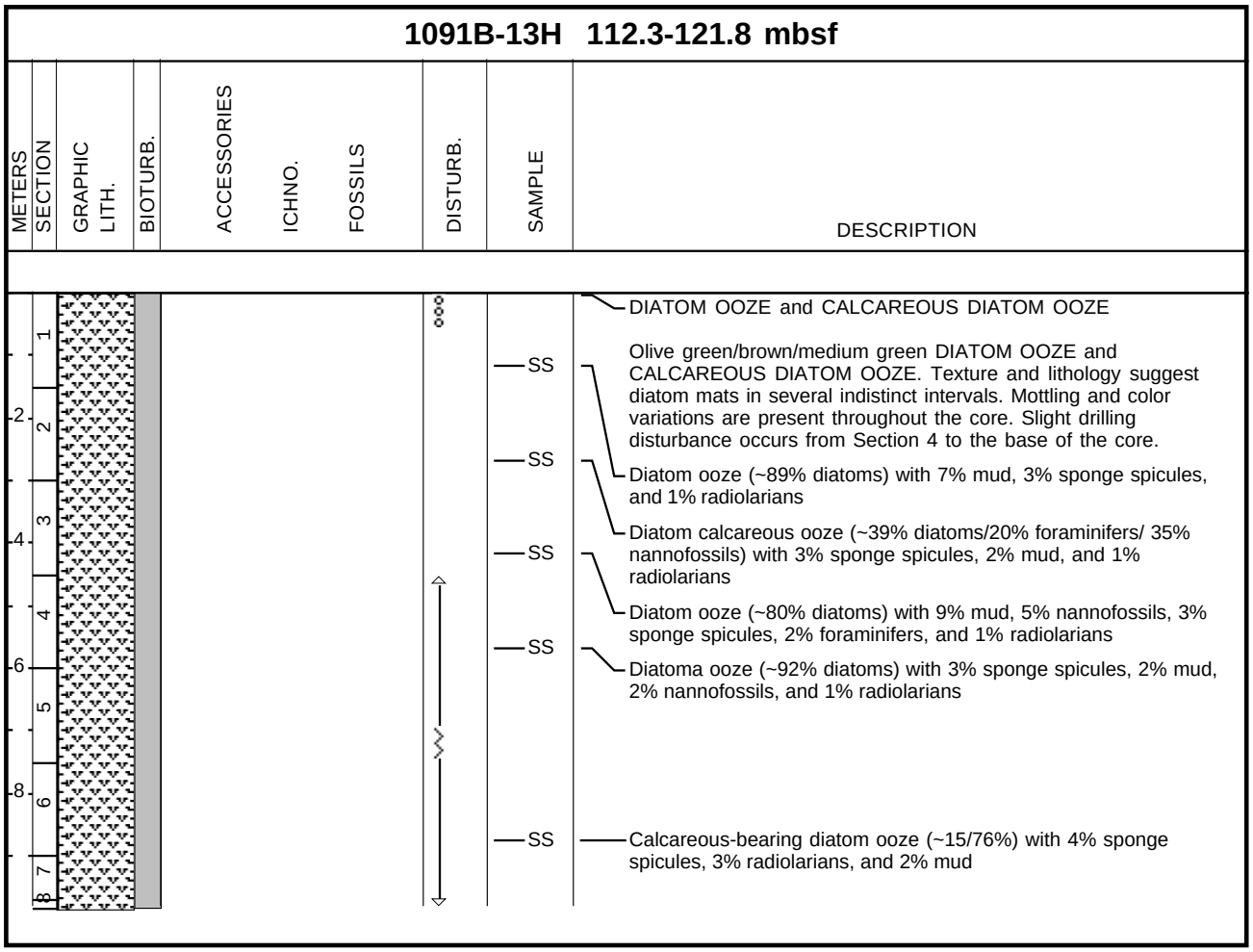
Core Photo


1091B-11H 93.3-102.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE and DIATOM CALCAREOUS OOZE
Pale yellowish olive DIATOM OOZE from Section 2, 58 cm to Section 4, 53 cm, and pale gray DIATOM CALCAREOUS OOZE from top of Section 1 to Section 2, 58 cm, in Section 4, 53-90 cm, and Section 5. Several diatom-rich layers occur in Sections 2 (58-91 cm), 3 (90-150 cm), and 4 (0-35 cm; 90 cm to base). Moderate to high bioturbation is present, with several well-defined Planolites ichnofossils in Section 2, 30 cm and Section 4, 60 cm.
Diatom calcareous ooze (~37% diatoms/20% foraminifers/37% nannofossils), with 3% mud, 2% radiolarians, and 1% sponge spicules
Diatom calcareous ooze (~38% diatoms/10% foraminifers/45% nannofossils), with 3% radiolarians, 2% mud, and 1% sponge spicules
Diatom ooze (~93%) with 3% radiolarians, 2% mud, and 2% sponge spicules
Mud- and nannofossil-bearing diatom ooze (~10/10/70%) with 5% carbonate, 3% sponge spicules, and 2% radiolarians

Core Photo


1091B-12H 102.8-112.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM CALCAREOUS OOZE, FORAMINIFER- AND DIATOM-BEARING NANNOFOSSIL OOZE, and DIATOM OOZE
Olive gray DIATOM CALCAREOUS OOZE in Section 1 from 0-70 cm, followed by pale gray and greenish gray FORAMINIFER- AND DIATOM-BEARING NANNOFOSSIL OOZE to Section 3, 98 cm, and olive green and yellow/green DIATOM OOZE from Section 3, 98 cm to base of core. Diatom-rich mat intervals occur in Sections 2 (37-61 cm), 3 (98-110 cm; 130 cm to base), and 4 (0-70 cm; 90-140 cm). Mottling is common, especially in diatom-rich intervals. Minor small stones (<0.5 cm) are scattered throughout the core. Core is disturbed in Sections 1 (0-55 cm) and 6 (70 cm to base), although mottles in Sections 5 and 6 suggest that these entire sections may be moderately disturbed by flow-in.
Diatom calcareous ooze (~43% diatoms/20% foraminifers/30% nannofossils) with 3% radiolarians, 2% mud, and 1% sponge spicules
Diatom calcareous ooze (~43% diatoms/20% foraminifers/30% nannofossils) with 3% radiolarians, 2% mud, and 1% sponge spicules
Foraminifer- and diatom-bearing nannofossil ooze (~10/24/60%) with 3% sponge spicules, 2% mud, and 1% radiolarians
Diatom ooze (~91% diatoms) with 5% sponge spicules, 3% mud, and 1% radiolarians

Core Photo

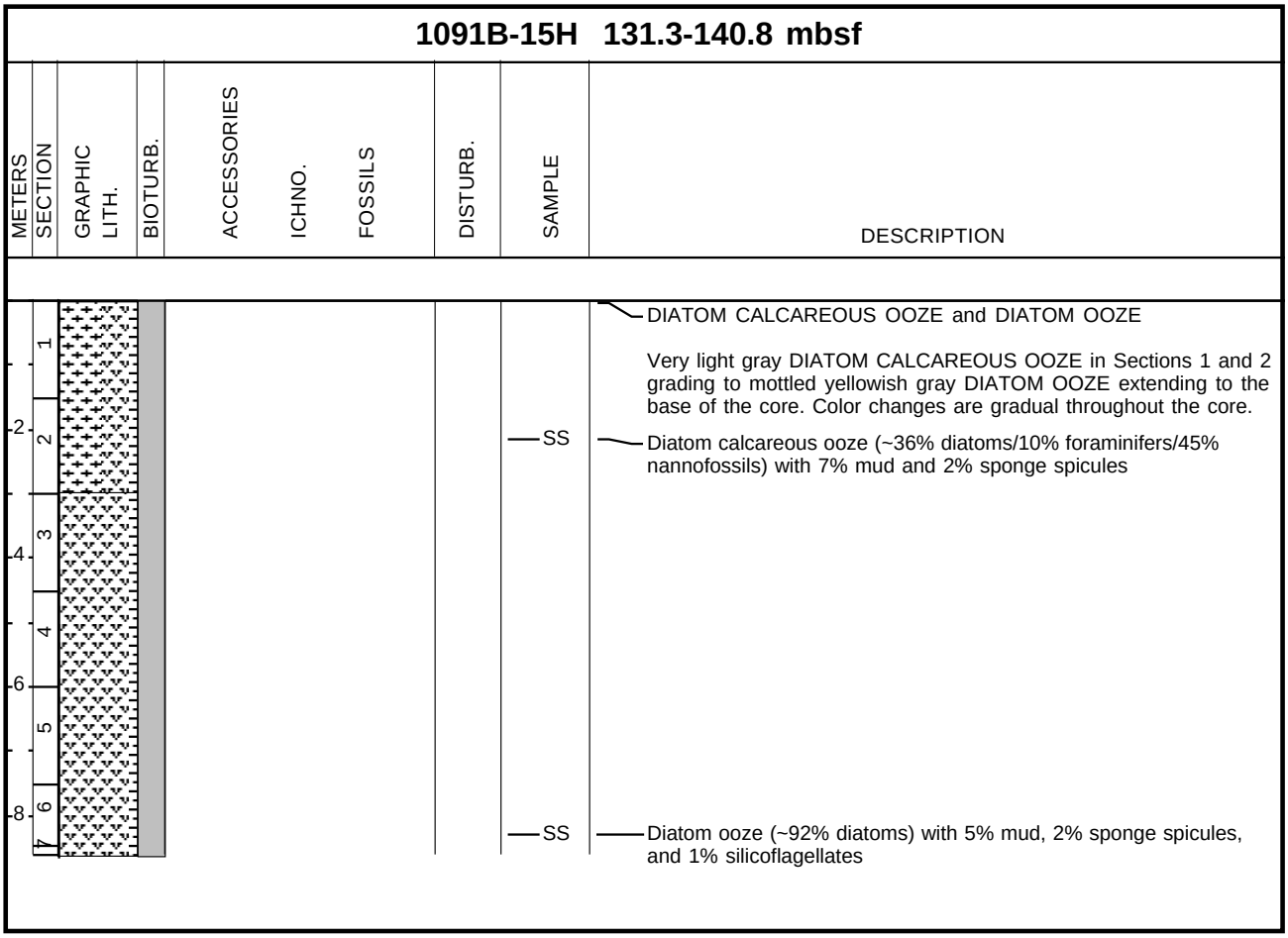

1091B-13H 112.3-121.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE and CALCAREOUS DIATOM OOZE
Olive green/brown/medium green DIATOM OOZE and CALCAREOUS DIATOM OOZE. Texture and lithology suggest diatom mats in several indistinct intervals. Mottling and color variations are present throughout the core. Slight drilling disturbance occurs from Section 4 to the base of the core.
SS
Diatom ooze (~89% diatoms) with 7% mud, 3% sponge spicules, and 1% radiolarians
SS
Diatom calcareous ooze (~39% diatoms/20% foraminifers/ 35% nannofossils) with 3% sponge spicules, 2% mud, and 1% radiolarians
SS
Diatom ooze (~80% diatoms) with 9% mud, 5% nannofossils, 3% sponge spicules, 2% foraminifers, and 1% radiolarians
SS
Diatoma ooze (~92% diatoms) with 3% sponge spicules, 2% mud, 2% nannofossils, and 1% radiolarians
SS
Calcareous-bearing diatom ooze (~15/76%) with 4% sponge spicules, 3% radiolarians, and 2% mud

Core Photo

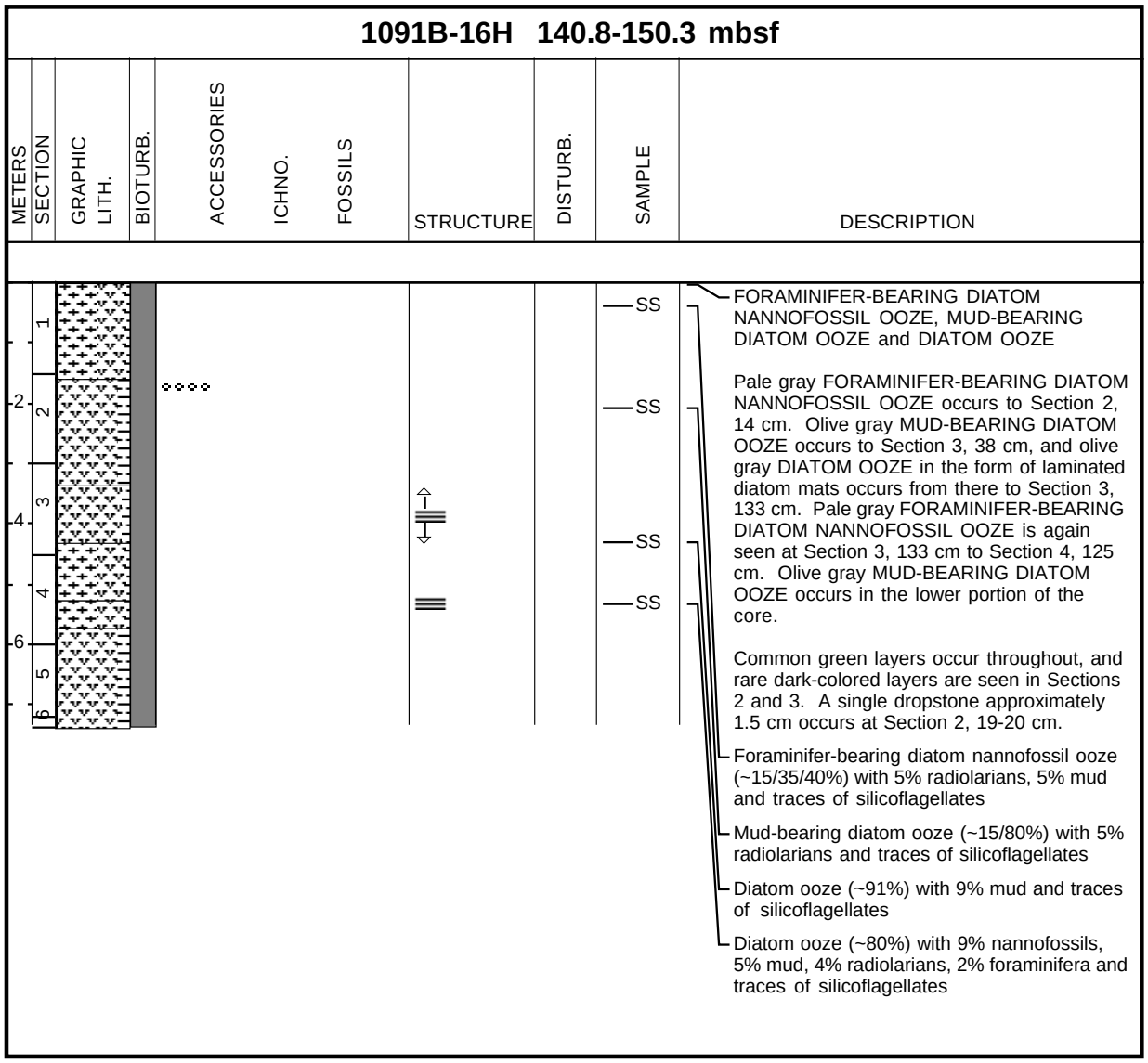
1091B-14H 121.8-131.3 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
2	1								DIATOM OOZE and DIATOM NANNOFOSSIL OOZE Olive DIATOM OOZE with several interbedded intervals of bluish gray DIATOM NANNOFOSSIL OOZE in Section 2. Some mottling and bioturbation observed.
	2							SS	Diatom ooze (~91% diatoms) with 5% sponge spicules, 3% mud, and 1% radiolarians
								SS	Diatom nannofossil ooze (~46/50%) with 2% sponge spicules and 2% mud
4	3							SS	Diatom ooze (~85% diatoms) with 8% nannofossils, 5% mud, and 2% sponge spicules
	4								
	5								

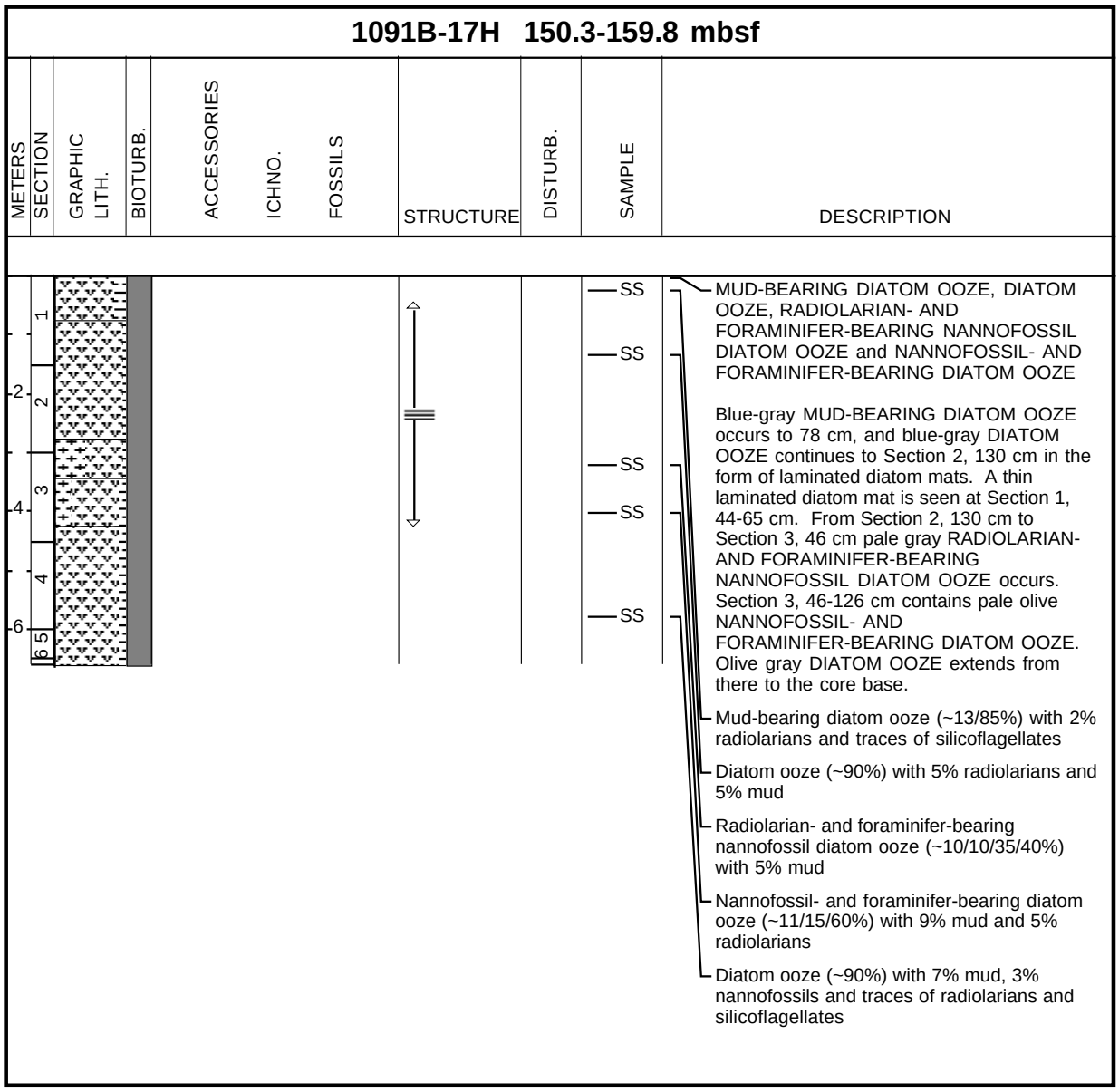
Core Photo


1091B-15H 131.3-140.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM CALCAREOUS OOZE and DIATOM OOZE
Very light gray DIATOM CALCAREOUS OOZE in Sections 1 and 2 grading to mottled yellowish gray DIATOM OOZE extending to the base of the core. Color changes are gradual throughout the core.
SS
Diatom calcareous ooze (~36% diatoms/10% foraminifers/45% nannofossils) with 7% mud and 2% sponge spicules
SS
Diatom ooze (~92% diatoms) with 5% mud, 2% sponge spicules, and 1% silicoflagellates

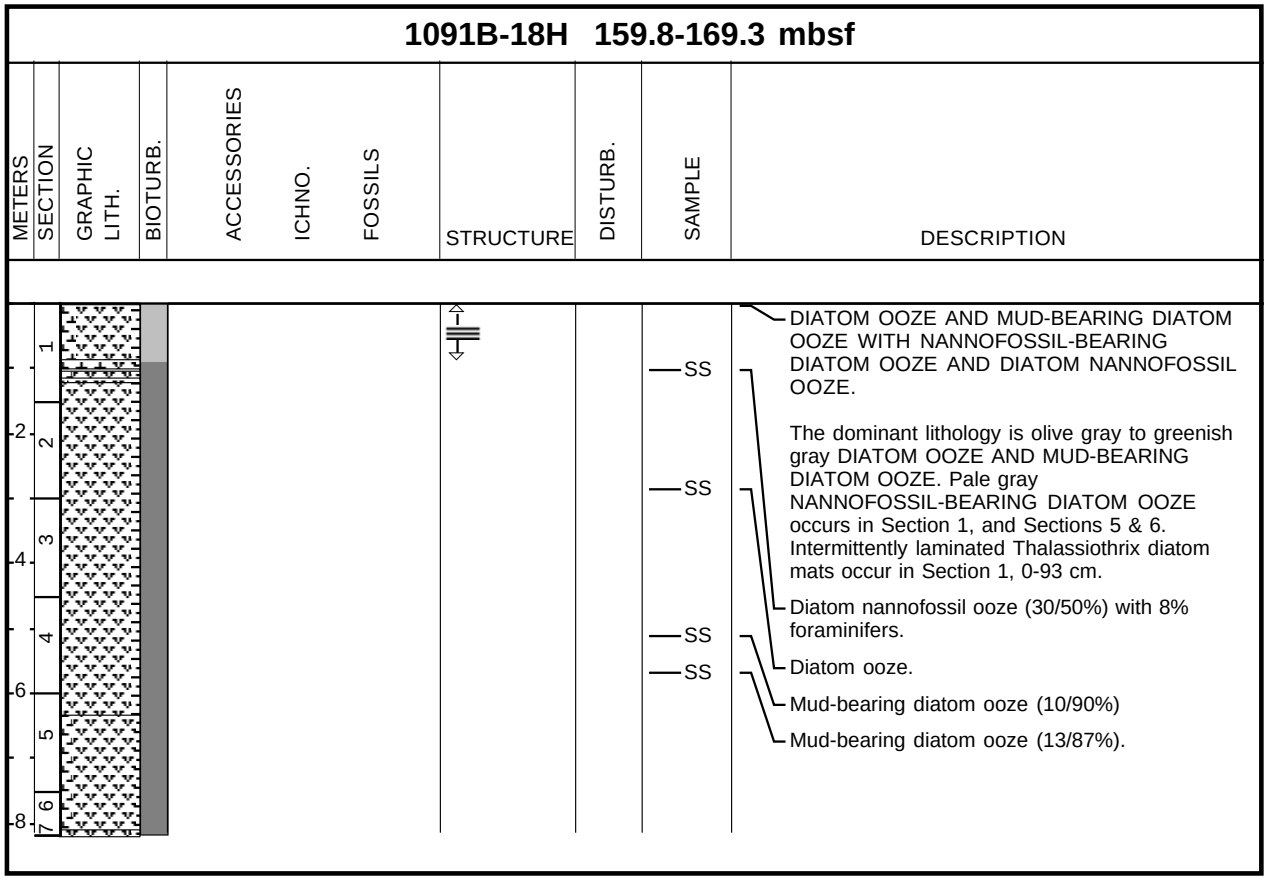
Core Photo


1091B-16H 140.8-150.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE, MUD-BEARING DIATOM OOZE and DIATOM OOZE
Pale gray FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE occurs to Section 2, 14 cm. Olive gray MUD-BEARING DIATOM OOZE occurs to Section 3, 38 cm, and olive gray DIATOM OOZE in the form of laminated diatom mats occurs from there to Section 3, 133 cm. Pale gray FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE is again seen at Section 3, 133 cm to Section 4, 125 cm. Olive gray MUD-BEARING DIATOM OOZE occurs in the lower portion of the core.
Common green layers occur throughout, and rare dark-colored layers are seen in Sections 2 and 3. A single dropstone approximately 1.5 cm occurs at Section 2, 19-20 cm.
Foraminifer-bearing diatom nannofossil ooze (~15/35/40%) with 5% radiolarians, 5% mud and traces of silicoflagellates
Mud-bearing diatom ooze (~15/80%) with 5% radiolarians and traces of silicoflagellates
Diatom ooze (~91%) with 9% mud and traces of silicoflagellates
Diatom ooze (~80%) with 9% nannofossils, 5% mud, 4% radiolarians, 2% foraminifera and traces of silicoflagellates

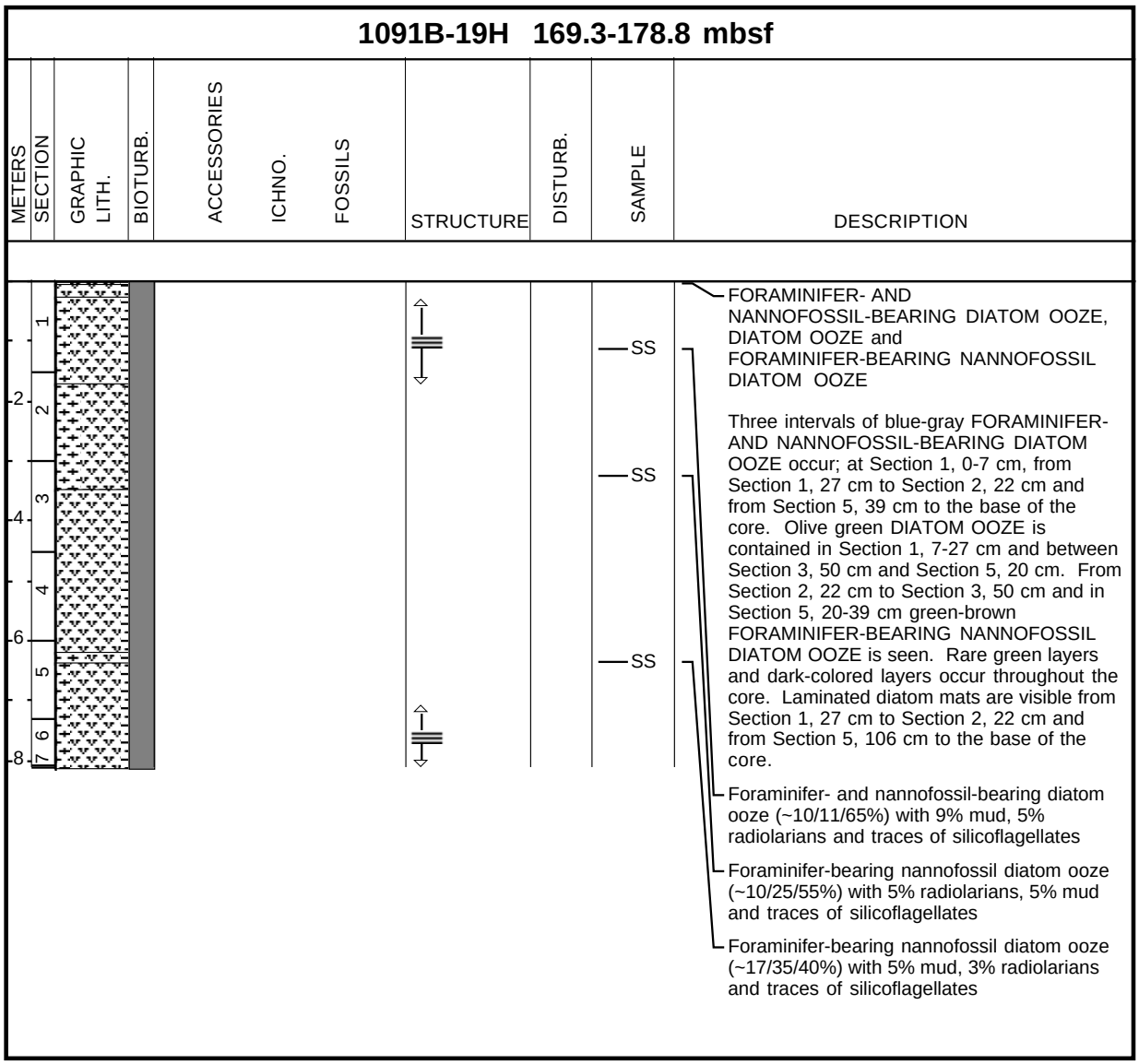
Core Photo


1091B-17H 150.3-159.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
MUD-BEARING DIATOM OOZE, DIATOM OOZE, RADIOLARIAN- AND FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE and NANNOFOSSIL- AND FORAMINIFER-BEARING DIATOM OOZE
Blue-gray MUD-BEARING DIATOM OOZE occurs to 78 cm, and blue-gray DIATOM OOZE continues to Section 2, 130 cm in the form of laminated diatom mats. A thin laminated diatom mat is seen at Section 1, 44-65 cm. From Section 2, 130 cm to Section 3, 46 cm pale gray RADIOLARIAN- AND FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE occurs. Section 3, 46-126 cm contains pale olive NANNOFOSSIL- AND FORAMINIFER-BEARING DIATOM OOZE. Olive gray DIATOM OOZE extends from there to the core base.
Mud-bearing diatom ooze (~13/85%) with 2% radiolarians and traces of silicoflagellates
Diatom ooze (~90%) with 5% radiolarians and 5% mud
Radiolarian- and foraminifer-bearing nannofossil diatom ooze (~10/10/35/40%) with 5% mud
Nannofossil- and foraminifer-bearing diatom ooze (~11/15/60%) with 9% mud and 5% radiolarians
Diatom ooze (~90%) with 7% mud, 3% nannofossils and traces of radiolarians and silicoflagellates

Core Photo

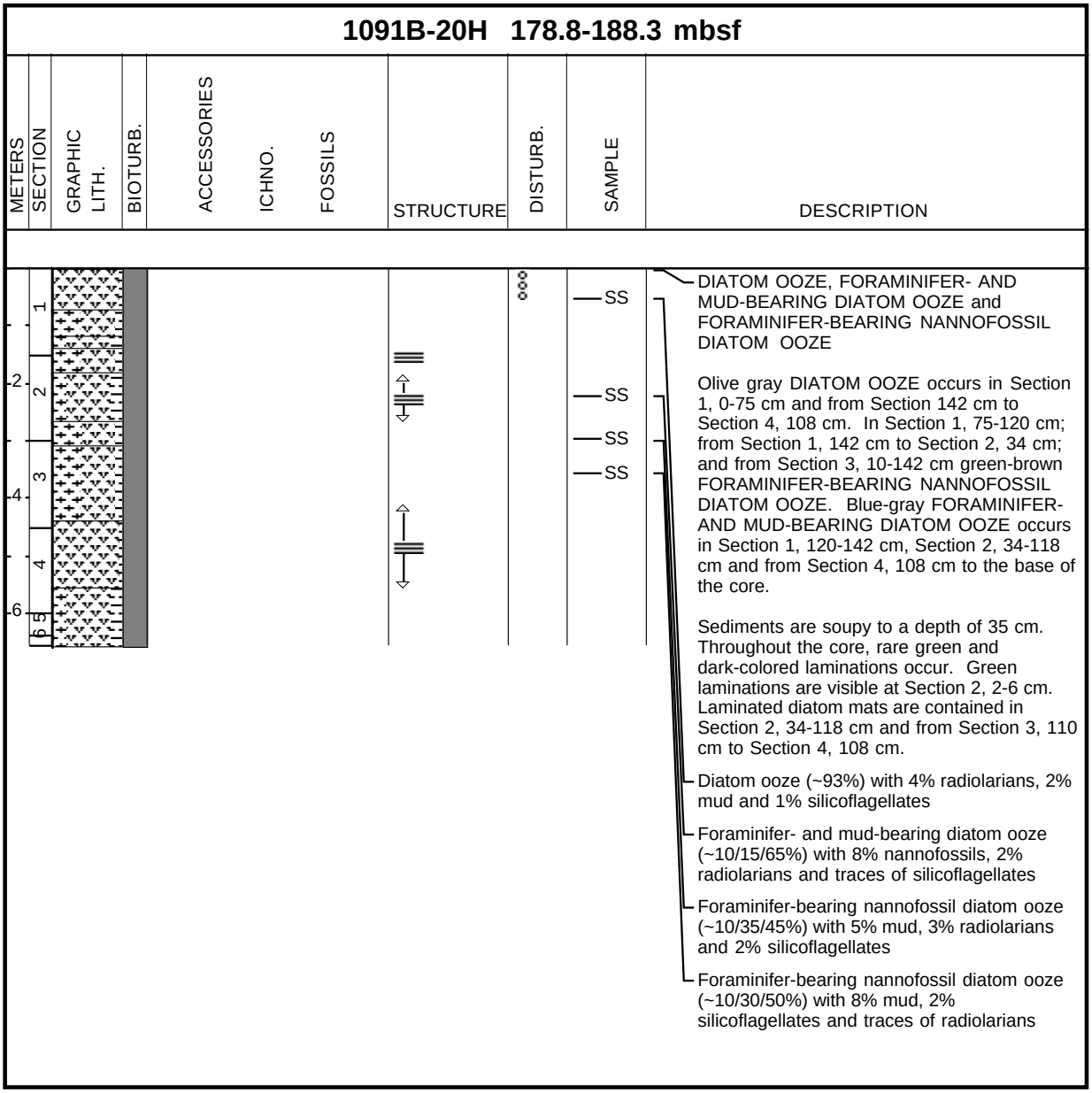

1091B-18H 159.8-169.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE AND MUD-BEARING DIATOM OOZE WITH NANNOFOSSIL-BEARING DIATOM OOZE AND DIATOM NANNOFOSSIL OOZE.
The dominant lithology is olive gray to greenish gray DIATOM OOZE AND MUD-BEARING DIATOM OOZE. Pale gray NANNOFOSSIL-BEARING DIATOM OOZE occurs in Section 1, and Sections 5 & 6. Intermittently laminated Thalassiothrix diatom mats occur in Section 1, 0-93 cm.
Diatom nannofossil ooze (30/50%) with 8% foraminifers.
Diatom ooze.
Mud-bearing diatom ooze (10/90%)
Mud-bearing diatom ooze (13/87%).

Core Photo

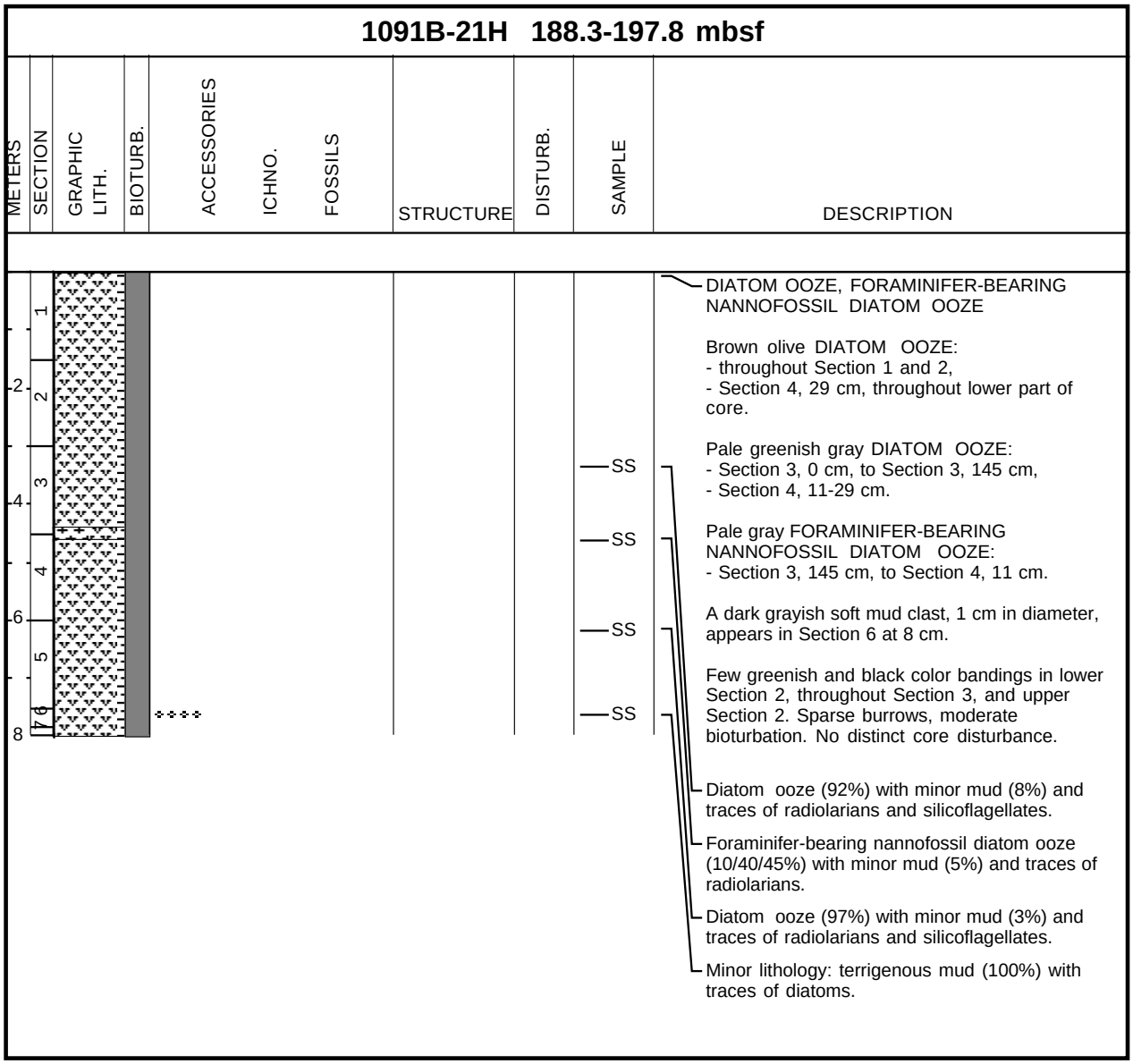

1091B-19H 169.3-178.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
FORAMINIFER- AND NANNOFOSSIL-BEARING DIATOM OOZE, DIATOM OOZE and FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE
Three intervals of blue-gray FORAMINIFER- AND NANNOFOSSIL-BEARING DIATOM OOZE occur; at Section 1, 0-7 cm, from Section 1, 27 cm to Section 2, 22 cm and from Section 5, 39 cm to the base of the core. Olive green DIATOM OOZE is contained in Section 1, 7-27 cm and between Section 3, 50 cm and Section 5, 20 cm. From Section 2, 22 cm to Section 3, 50 cm and in Section 5, 20-39 cm green-brown FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE is seen. Rare green layers and dark-colored layers occur throughout the core. Laminated diatom mats are visible from Section 1, 27 cm to Section 2, 22 cm and from Section 5, 106 cm to the base of the core.
Foraminifer- and nannofossil-bearing diatom ooze (~10/11/65%) with 9% mud, 5% radiolarians and traces of silicoflagellates
Foraminifer-bearing nannofossil diatom ooze (~10/25/55%) with 5% radiolarians, 5% mud and traces of silicoflagellates
Foraminifer-bearing nannofossil diatom ooze (~17/35/40%) with 5% mud, 3% radiolarians and traces of silicoflagellates

Core Photo

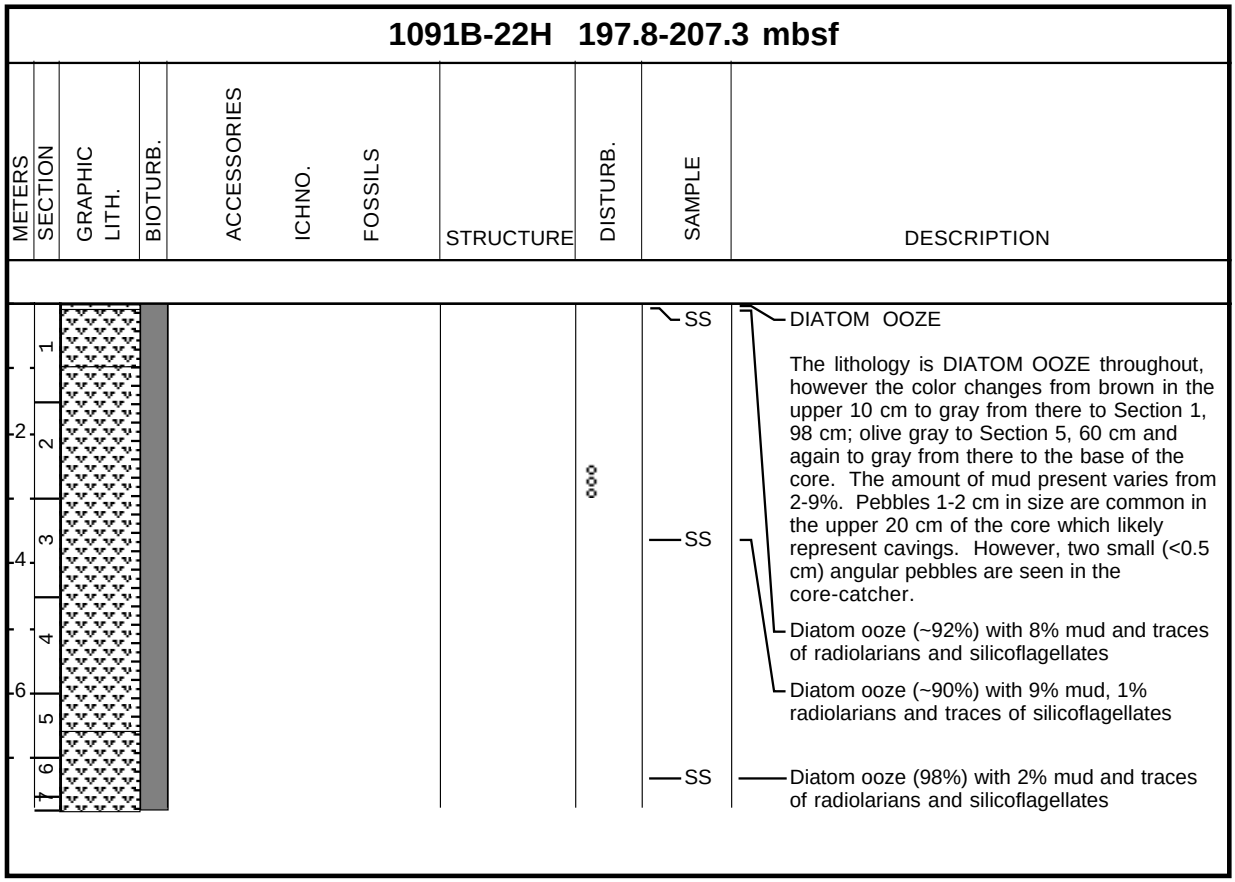
1091B-20H 178.8-188.3 mbsf



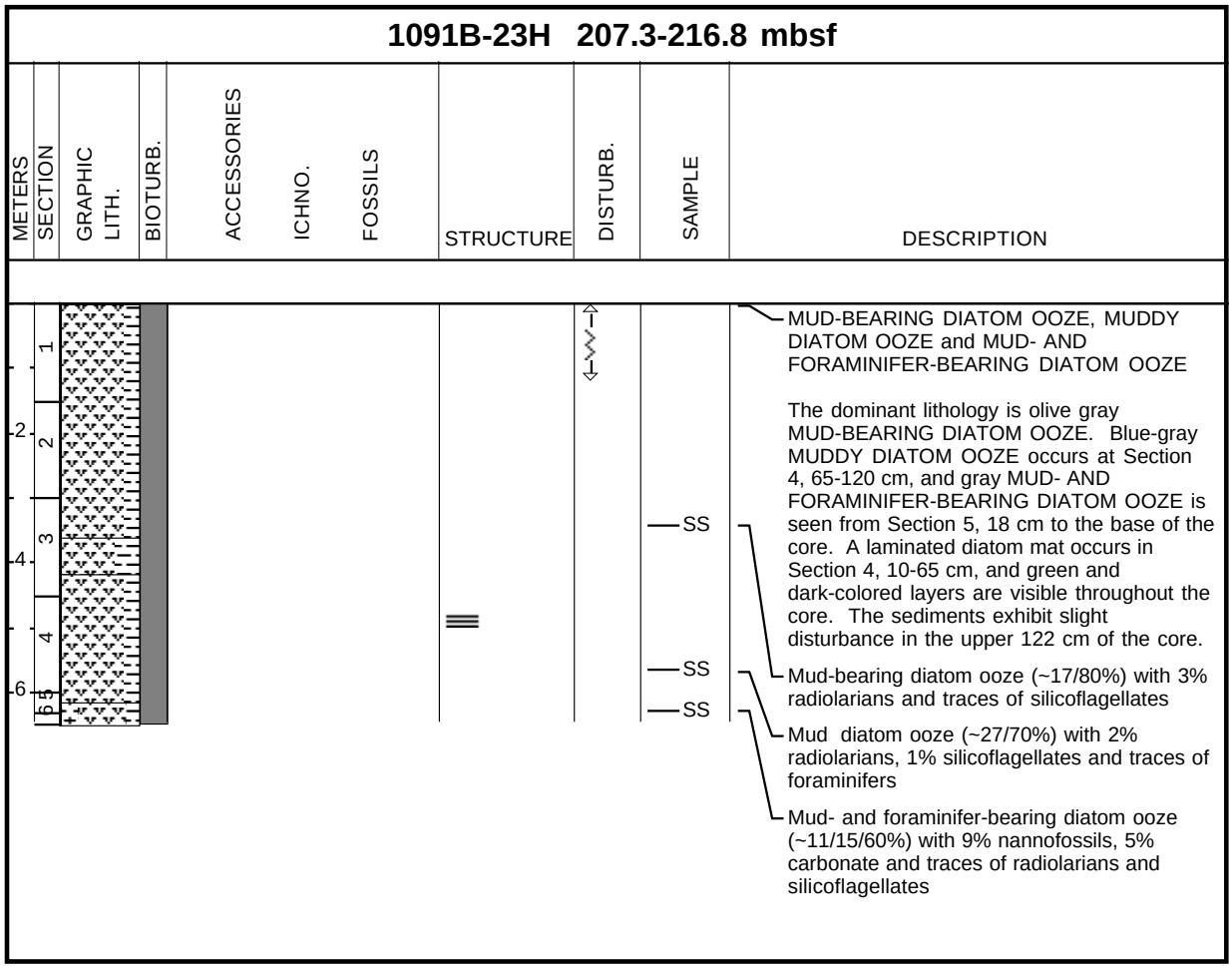
Core Photo


1091B-21H 188.3-197.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE, FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE
Brown olive DIATOM OOZE:
- throughout Section 1 and 2,
- Section 4, 29 cm, throughout lower part of core.
Pale greenish gray DIATOM OOZE:
- Section 3, 0 cm, to Section 3, 145 cm,
- Section 4, 11-29 cm.
Pale gray FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE:
- Section 3, 145 cm, to Section 4, 11 cm.
A dark grayish soft mud clast, 1 cm in diameter, appears in Section 6 at 8 cm.
Few greenish and black color bandings in lower Section 2, throughout Section 3, and upper Section 2. Sparse burrows, moderate bioturbation. No distinct core disturbance.
Diatom ooze (92%) with minor mud (8%) and traces of radiolarians and silicoflagellates.
Foraminifer-bearing nannofossil diatom ooze (10/40/45%) with minor mud (5%) and traces of radiolarians.
Diatom ooze (97%) with minor mud (3%) and traces of radiolarians and silicoflagellates.
Minor lithology: terrigenous mud (100%) with traces of diatoms.

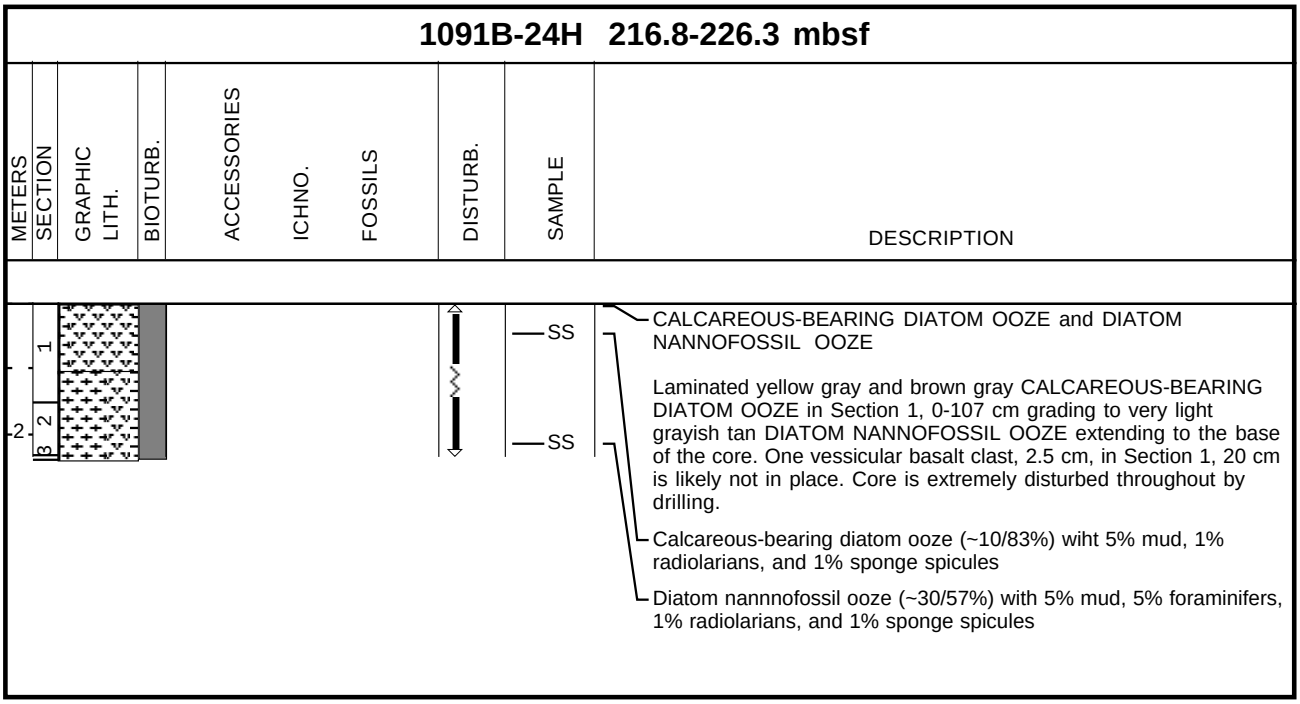
Core Photo


1091B-22H 197.8-207.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE
The lithology is DIATOM OOZE throughout, however the color changes from brown in the upper 10 cm to gray from there to Section 1, 98 cm; olive gray to Section 5, 60 cm and again to gray from there to the base of the core. The amount of mud present varies from 2-9%. Pebbles 1-2 cm in size are common in the upper 20 cm of the core which likely represent cavings. However, two small (<0.5 cm) angular pebbles are seen in the core-catcher.
Diatom ooze (~92%) with 8% mud and traces of radiolarians and silicoflagellates
Diatom ooze (~90%) with 9% mud, 1% radiolarians and traces of silicoflagellates
Diatom ooze (98%) with 2% mud and traces of radiolarians and silicoflagellates

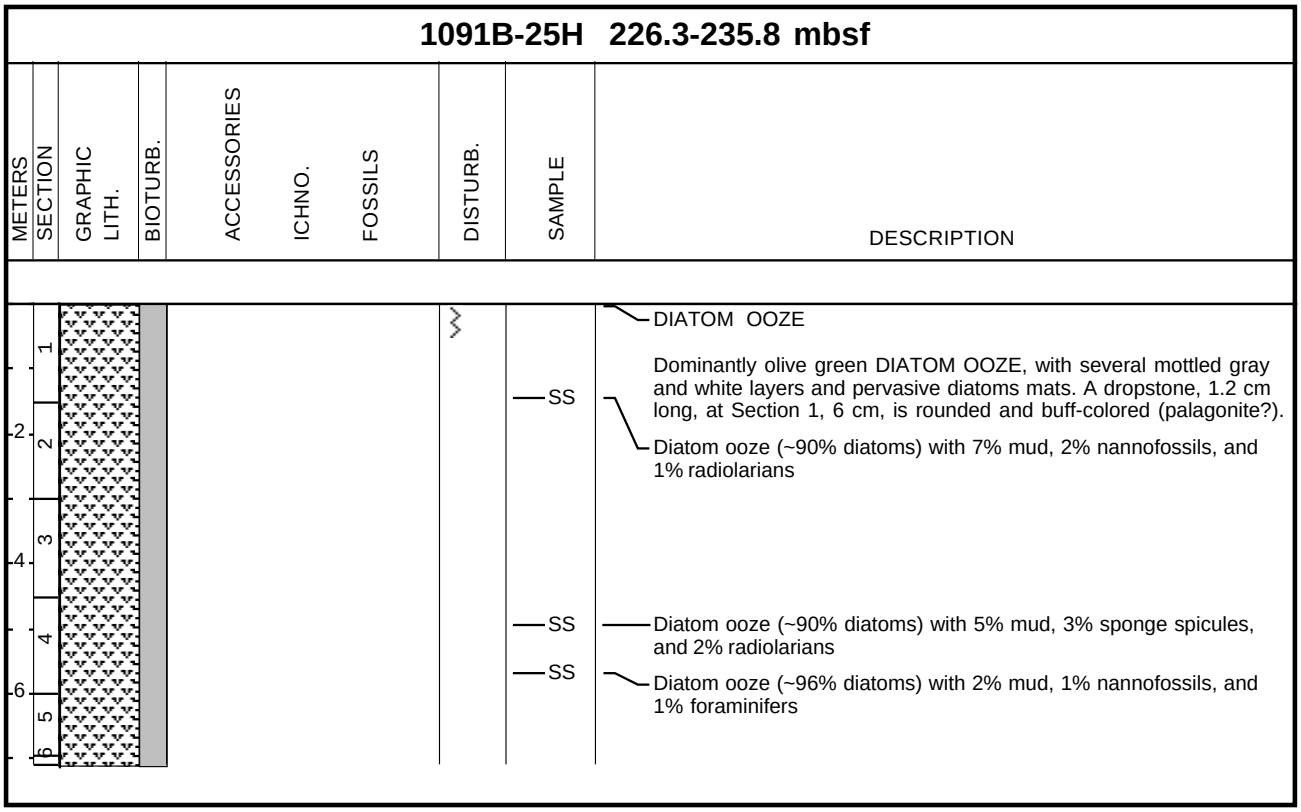
Core Photo


1091B-23H 207.3-216.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
MUD-BEARING DIATOM OOZE, MUDDY DIATOM OOZE and MUD- AND FORAMINIFER-BEARING DIATOM OOZE
The dominant lithology is olive gray MUD-BEARING DIATOM OOZE. Blue-gray MUDDY DIATOM OOZE occurs at Section 4, 65-120 cm, and gray MUD- AND FORAMINIFER-BEARING DIATOM OOZE is seen from Section 5, 18 cm to the base of the core. A laminated diatom mat occurs in Section 4, 10-65 cm, and green and dark-colored layers are visible throughout the core. The sediments exhibit slight disturbance in the upper 122 cm of the core.
Mud-bearing diatom ooze (~17/80%) with 3% radiolarians and traces of silicoflagellates
Mud diatom ooze (~27/70%) with 2% radiolarians, 1% silicoflagellates and traces of foraminifers
Mud- and foraminifer-bearing diatom ooze (~11/15/60%) with 9% nannofossils, 5% carbonate and traces of radiolarians and silicoflagellates

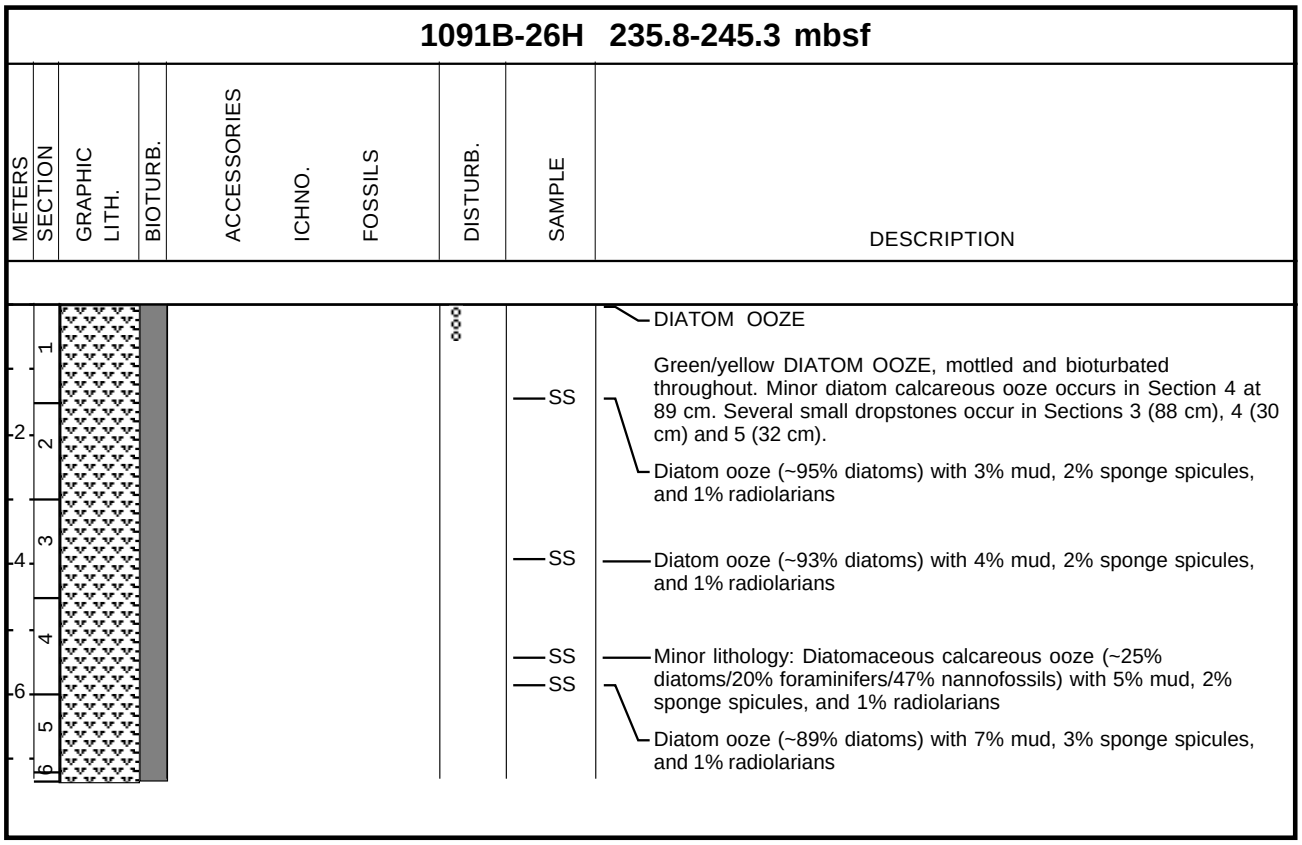
Core Photo


1091B-24H 216.8-226.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
SS
SS
CALCAREOUS-BEARING DIATOM OOZE and DIATOM NANNOFOSSIL OOZE
Laminated yellow gray and brown gray CALCAREOUS-BEARING DIATOM OOZE in Section 1, 0-107 cm grading to very light grayish tan DIATOM NANNOFOSSIL OOZE extending to the base of the core. One vessicular basalt clast, 2.5 cm, in Section 1, 20 cm is likely not in place. Core is extremely disturbed throughout by drilling.
Calcareous-bearing diatom ooze (~10/83%) wiht 5% mud, 1% radiolarians, and 1% sponge spicules
Diatom nannofossil ooze (~30/57%) with 5% mud, 5% foraminifers, 1% radiolarians, and 1% sponge spicules

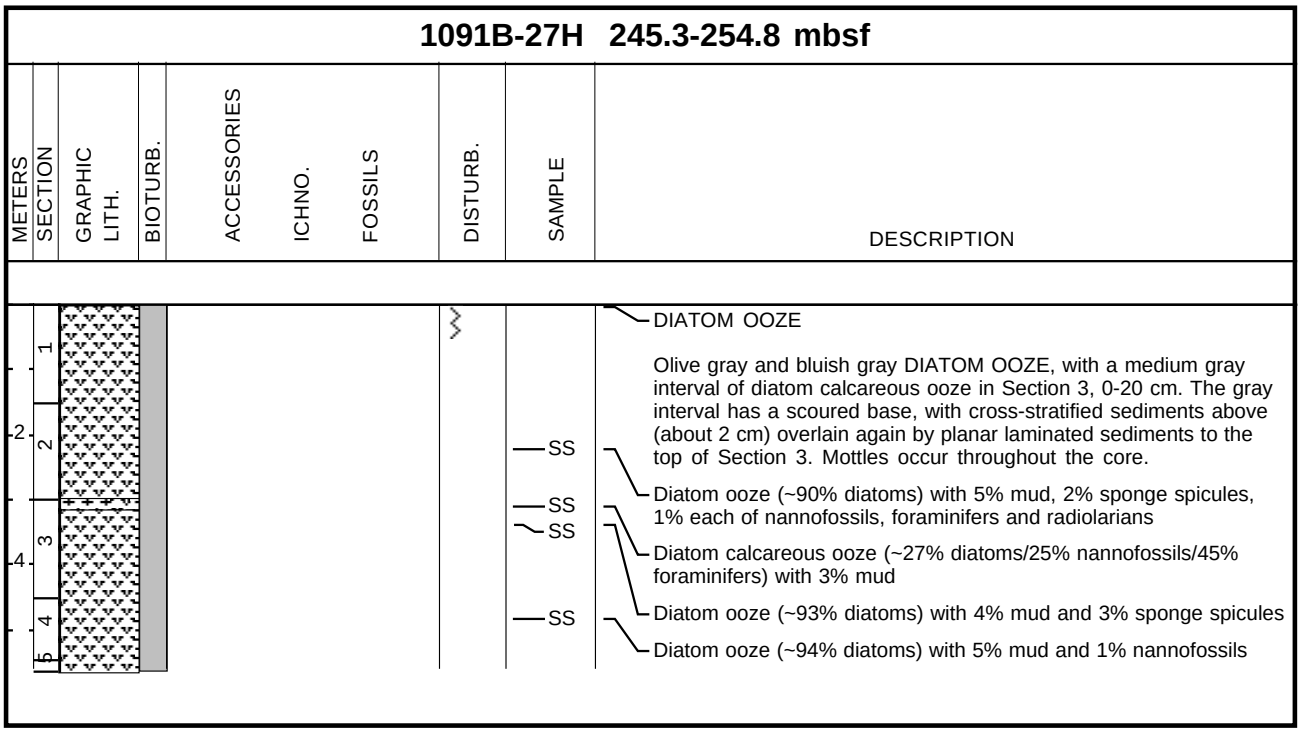
Core Photo


1091B-25H 226.3-235.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Dominantly olive green DIATOM OOZE, with several mottled gray and white layers and pervasive diatoms mats. A dropstone, 1.2 cm long, at Section 1, 6 cm, is rounded and buff-colored (palagonite?).
SS
Diatom ooze (~90% diatoms) with 7% mud, 2% nannofossils, and 1% radiolarians
SS
Diatom ooze (~90% diatoms) with 5% mud, 3% sponge spicules, and 2% radiolarians
SS
Diatom ooze (~96% diatoms) with 2% mud, 1% nannofossils, and 1% foraminifers

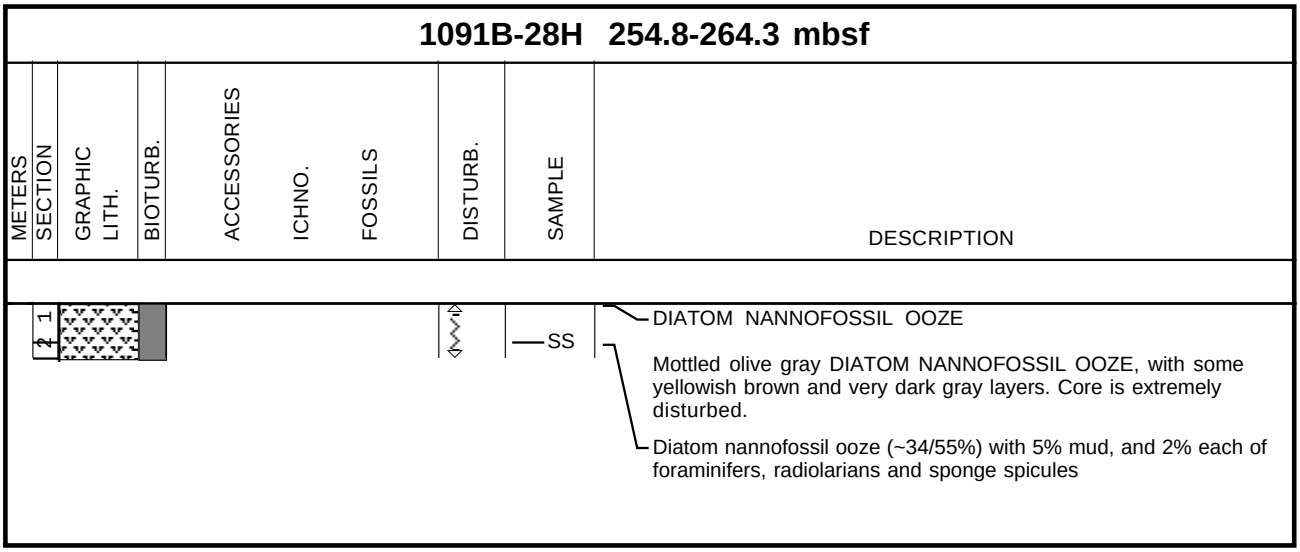
Core Photo


1091B-26H 235.8-245.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Green/yellow DIATOM OOZE, mottled and bioturbated throughout. Minor diatom calcareous ooze occurs in Section 4 at 89 cm. Several small dropstones occur in Sections 3 (88 cm), 4 (30 cm) and 5 (32 cm).
SS
Diatom ooze (~95% diatoms) with 3% mud, 2% sponge spicules, and 1% radiolarians
SS
Diatom ooze (~93% diatoms) with 4% mud, 2% sponge spicules, and 1% radiolarians
SS
SS
Minor lithology: Diatomaceous calcareous ooze (~25% diatoms/20% foraminifers/47% nannofossils) with 5% mud, 2% sponge spicules, and 1% radiolarians
Diatom ooze (~89% diatoms) with 7% mud, 3% sponge spicules, and 1% radiolarians
2
4
6
1
2
3
4
5
6

Core Photo

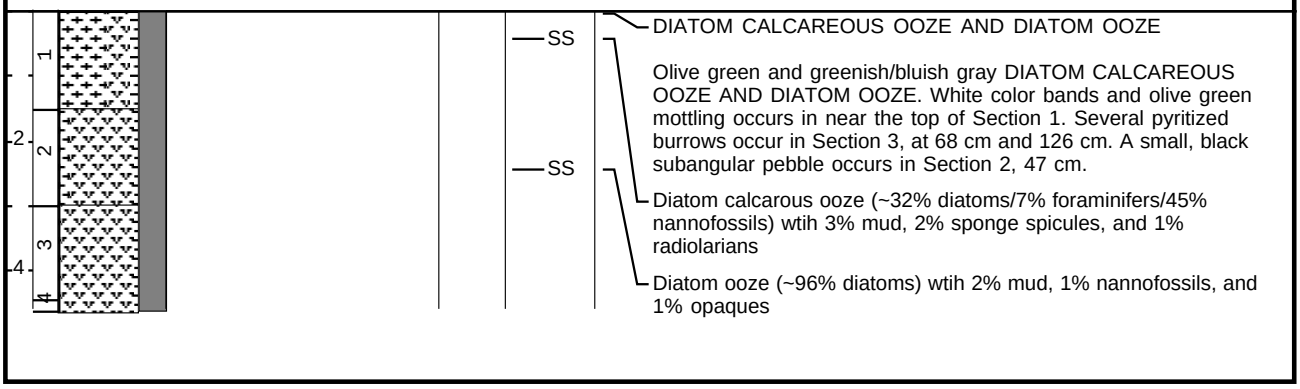

1091B-27H 245.3-254.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Olive gray and bluish gray DIATOM OOZE, with a medium gray interval of diatom calcareous ooze in Section 3, 0-20 cm. The gray interval has a scoured base, with cross-stratified sediments above (about 2 cm) overlain again by planar laminated sediments to the top of Section 3. Mottles occur throughout the core.
SS
Diatom ooze (~90% diatoms) with 5% mud, 2% sponge spicules, 1% each of nannofossils, foraminifers and radiolarians
SS
SS
Diatom calcareous ooze (~27% diatoms/25% nannofossils/45% foraminifers) with 3% mud
Diatom ooze (~93% diatoms) with 4% mud and 3% sponge spicules
SS
Diatom ooze (~94% diatoms) with 5% mud and 1% nannofossils

Core Photo

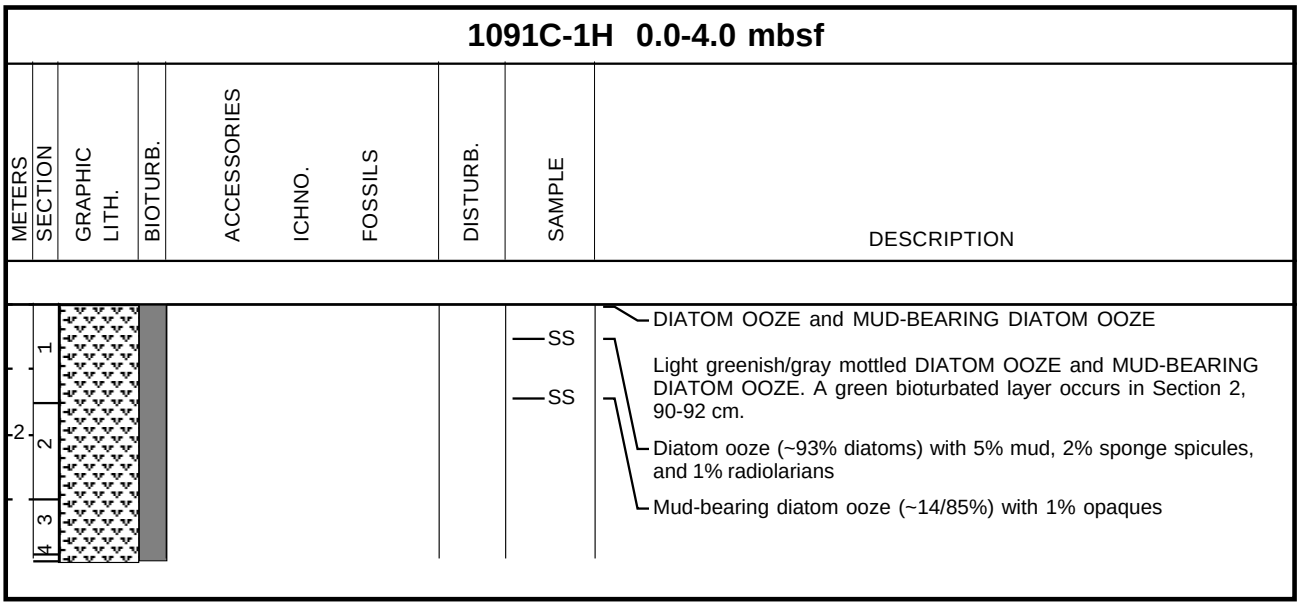

1091B-28H 254.8-264.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
2
SS
DIATOM NANNOFOSSIL OOZE
Mottled olive gray DIATOM NANNOFOSSIL OOZE, with some yellowish brown and very dark gray layers. Core is extremely disturbed.
Diatom nannofossil ooze (~34/55%) with 5% mud, and 2% each of foraminifers, radiolarians and sponge spicules

Core Photo

1091B-29H 264.3-273.8 mbsf



Core Photo

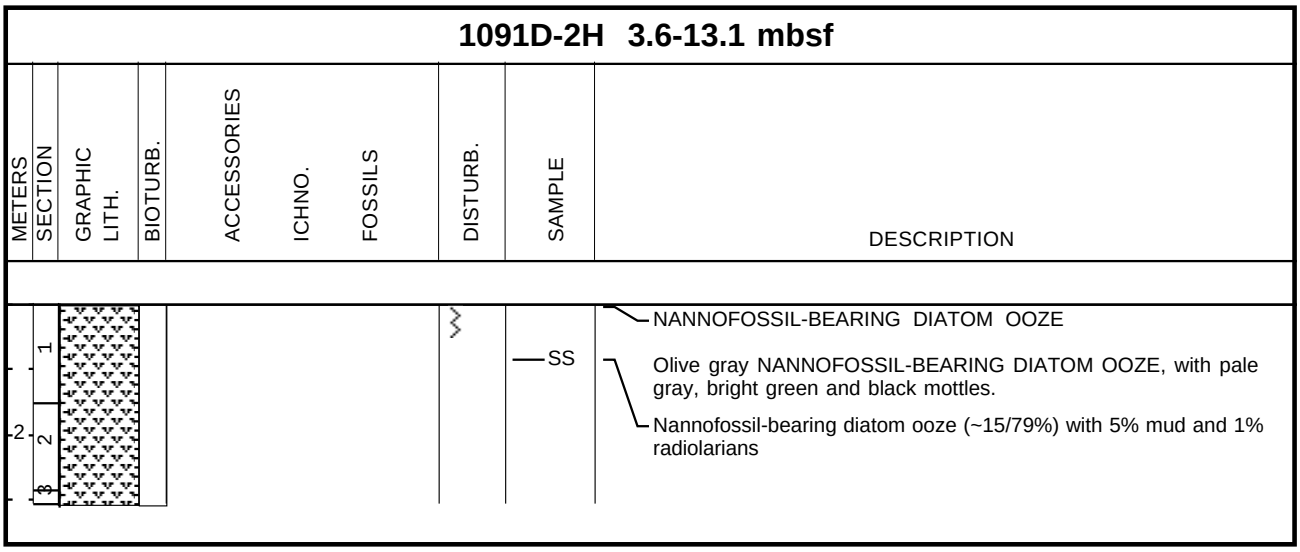

1091C-1H 0.0-4.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
2
SS
SS
DIATOM OOZE and MUD-BEARING DIATOM OOZE
Light greenish/gray mottled DIATOM OOZE and MUD-BEARING DIATOM OOZE. A green bioturbated layer occurs in Section 2, 90-92 cm.
Diatom ooze (~93% diatoms) with 5% mud, 2% sponge spicules, and 1% radiolarians
Mud-bearing diatom ooze (~14/85%) with 1% opaques

Core Photo

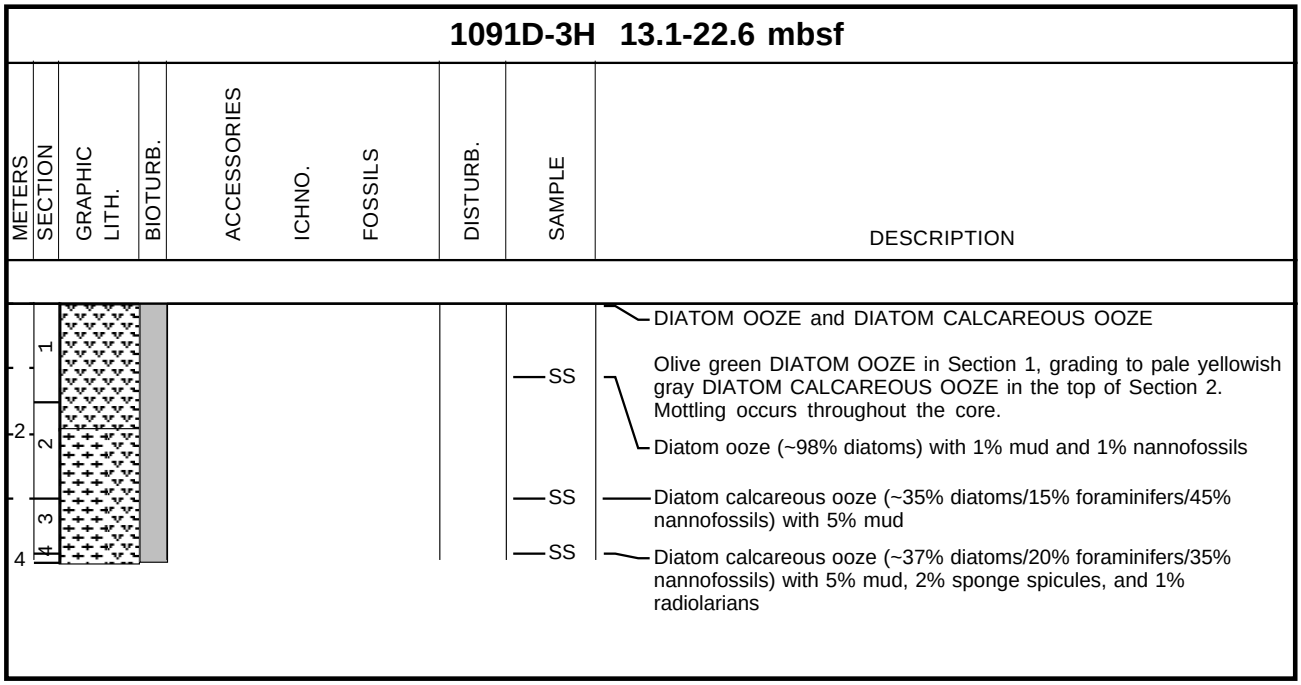
1091D-1H 0.0-3.6 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
2	1							SS	DIATOM OOZE and NANNOFOSSIL-BEARING DIATOM OOZE Olive yellow and gray DIATOM OOZE and NANNOFOSSIL-BEARING DIATOM OOZE, with mottles throughout.
	2							SS	Diatom ooze (~93% diatoms) with 2% mud, 2% nannofossils, 2% radiolarians, and 1% silicoflagellates
	3							SS	Diatom ooze (~93% diatoms) with 3% mud, 3% nannofossils and 1% radiolarians Nannofossil-bearing diatom ooze (~15/75%) with 5% foraminifers, 3% mud, 1% radiolarians, and 1% sponge spicules

Core Photo


1091D-2H 3.6-13.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
2
SS
NANNOFOSSIL-BEARING DIATOM OOZE
Olive gray NANNOFOSSIL-BEARING DIATOM OOZE, with pale gray, bright green and black mottles.
Nannofossil-bearing diatom ooze (~15/79%) with 5% mud and 1% radiolarians

Core Photo

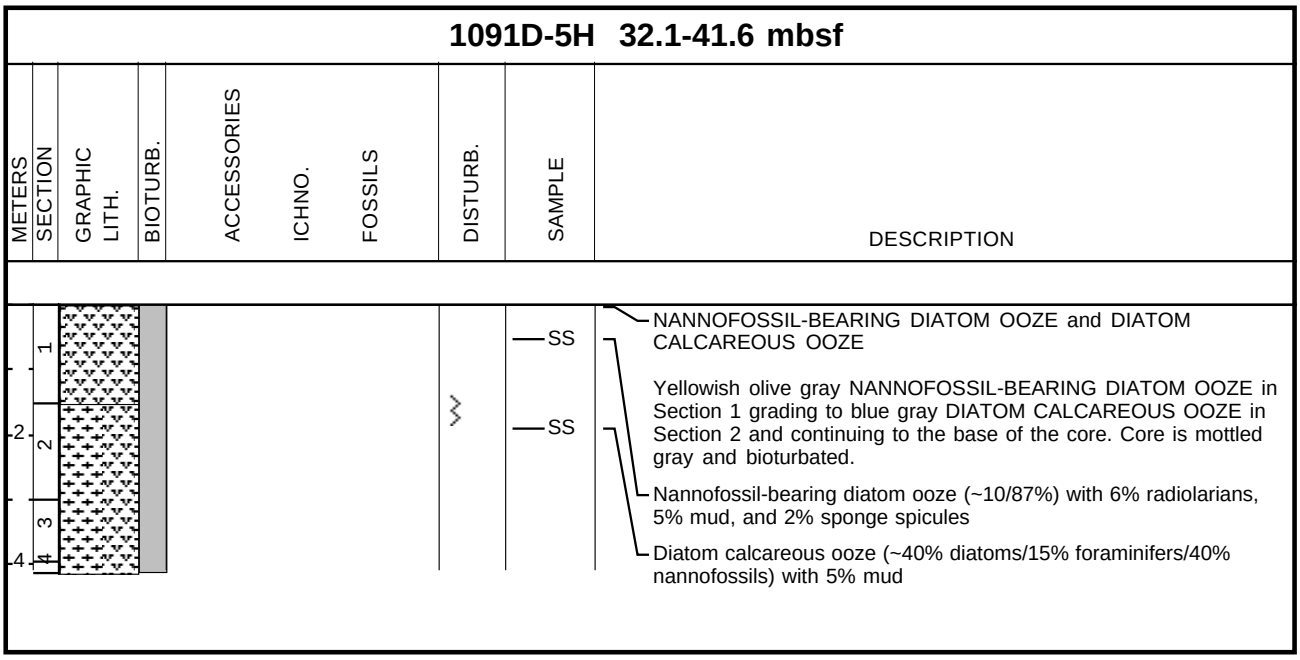

1091D-3H 13.1-22.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
2
4
SS
SS
SS
DIATOM OOZE and DIATOM CALCAREOUS OOZE
Olive green DIATOM OOZE in Section 1, grading to pale yellowish gray DIATOM CALCAREOUS OOZE in the top of Section 2. Mottling occurs throughout the core.
Diatom ooze (~98% diatoms) with 1% mud and 1% nannofossils
Diatom calcareous ooze (~35% diatoms/15% foraminifers/45% nannofossils) with 5% mud
Diatom calcareous ooze (~37% diatoms/20% foraminifers/35% nannofossils) with 5% mud, 2% sponge spicules, and 1% radiolarians

Core Photo

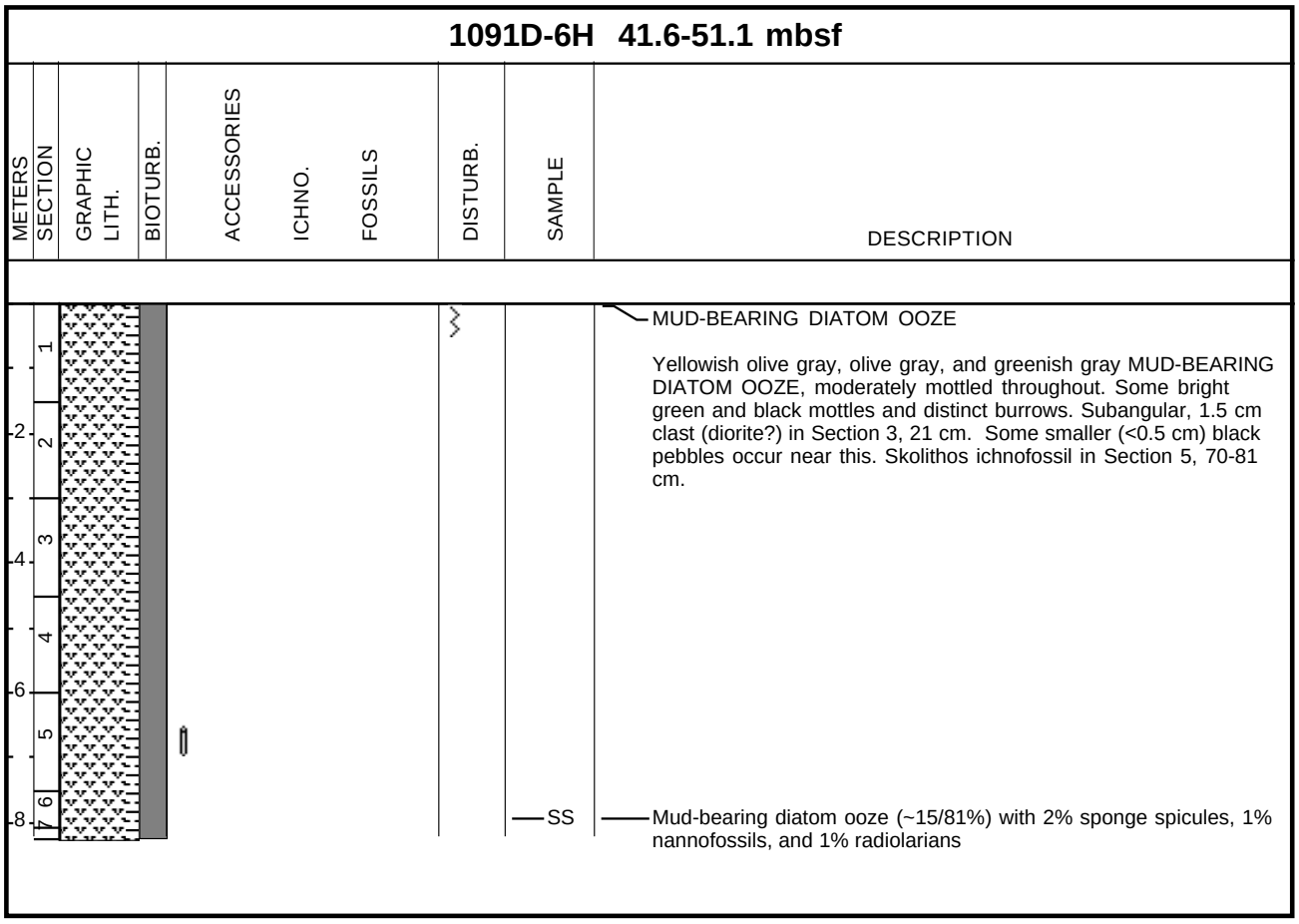
1091D-4H 22.6-32.1 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
1	1								DIATOM OOZE
2	2							SS	Alternating greenish gray and olive gray DIATOM OOZE, with mottles of black and bright green.
									Diatom ooze (~90% diatoms) with 8% mud, 2% sponge spicules, and 1% radiolarians
								SS	Diatom ooze (~90% diatoms) with 8% mud, 2% sponge spicules, and 1% radiolarians
3	3								
4	CC								

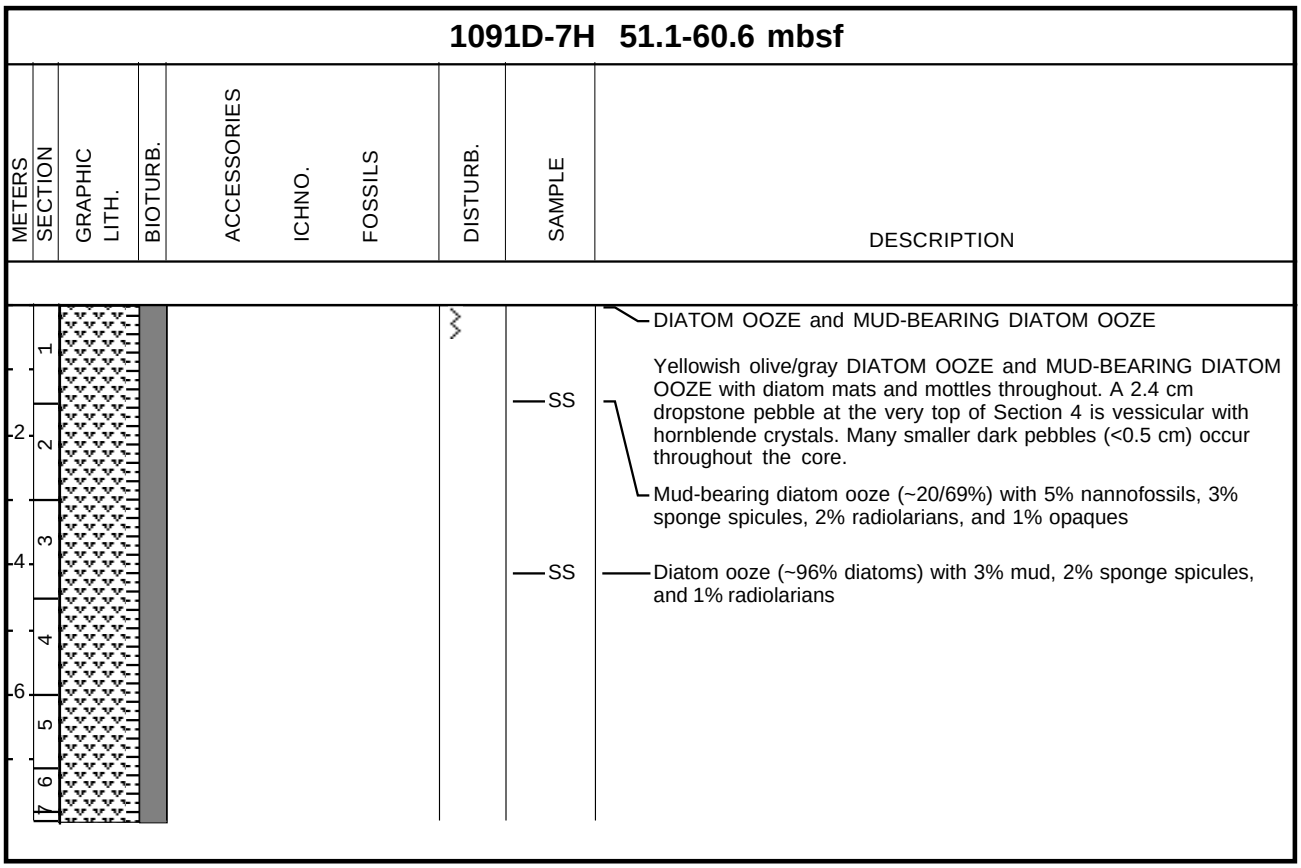
Core Photo


1091D-5H 32.1-41.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
-2
-4
SS
SS
NANNOFOSSIL-BEARING DIATOM OOZE and DIATOM CALCAREOUS OOZE
Yellowish olive gray NANNOFOSSIL-BEARING DIATOM OOZE in Section 1 grading to blue gray DIATOM CALCAREOUS OOZE in Section 2 and continuing to the base of the core. Core is mottled gray and bioturbated.
Nannofossil-bearing diatom ooze (~10/87%) with 6% radiolarians, 5% mud, and 2% sponge spicules
Diatom calcareous ooze (~40% diatoms/15% foraminifers/40% nannofossils) with 5% mud

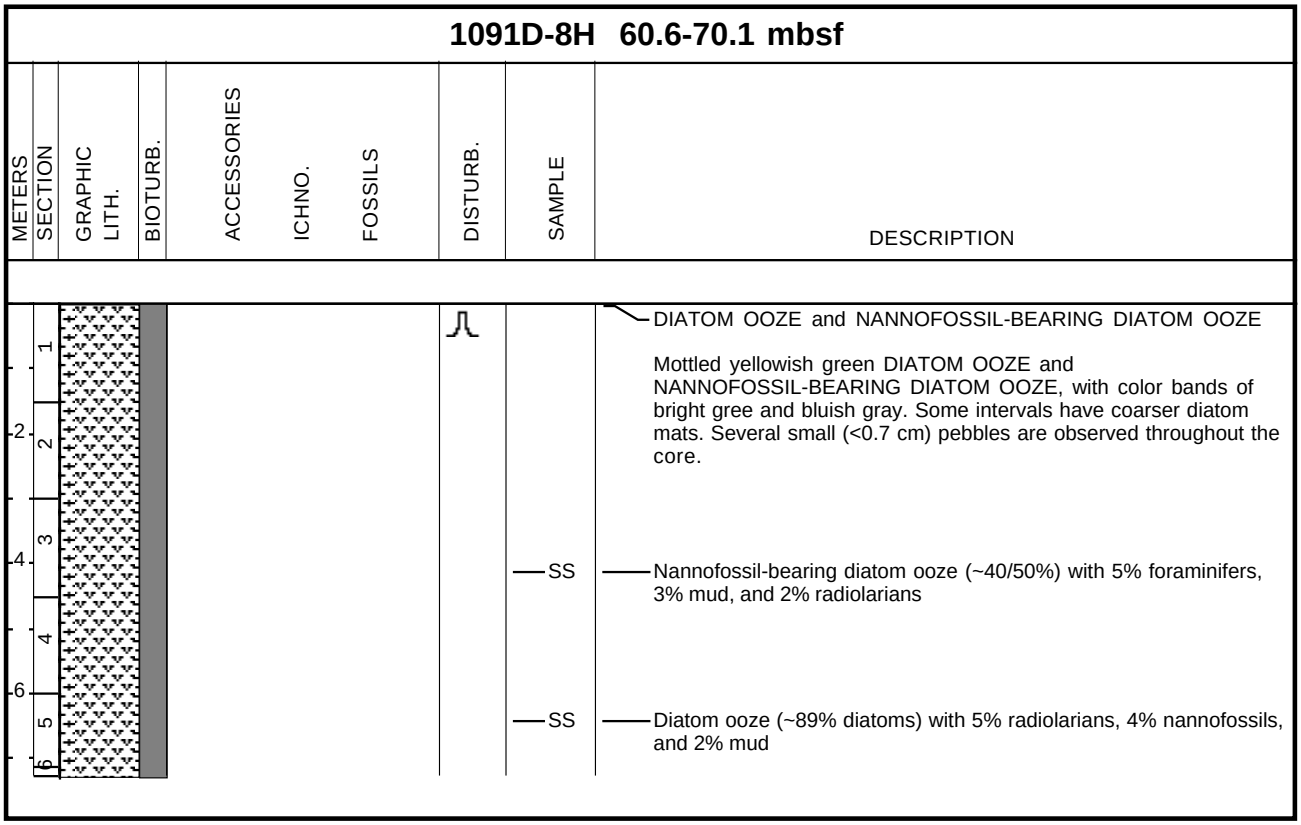
Core Photo


1091D-6H 41.6-51.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING DIATOM OOZE
Yellowish olive gray, olive gray, and greenish gray MUD-BEARING DIATOM OOZE, moderately mottled throughout. Some bright green and black mottles and distinct burrows. Subangular, 1.5 cm clast (diorite?) in Section 3, 21 cm. Some smaller (<0.5 cm) black pebbles occur near this. Skolithos ichnofossil in Section 5, 70-81 cm.
SS
Mud-bearing diatom ooze (~15/81%) with 2% sponge spicules, 1% nannofossils, and 1% radiolarians

Core Photo

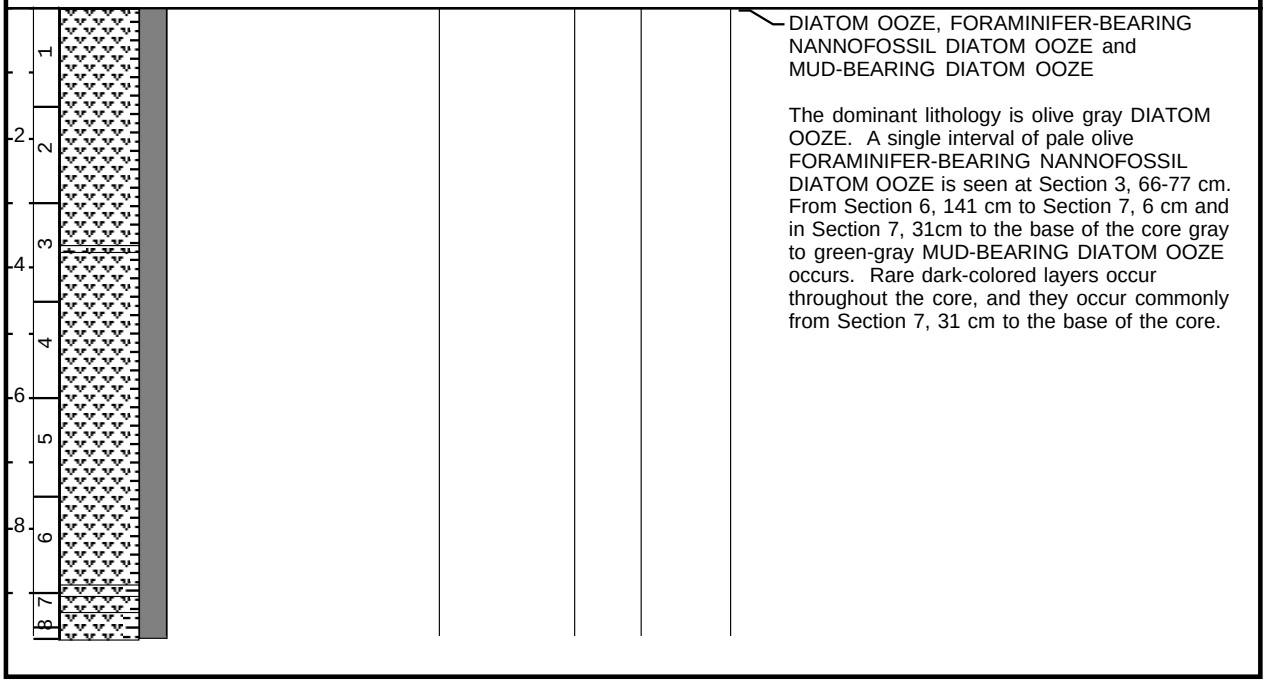

1091D-7H 51.1-60.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE and MUD-BEARING DIATOM OOZE
Yellowish olive/gray DIATOM OOZE and MUD-BEARING DIATOM OOZE with diatom mats and mottles throughout. A 2.4 cm dropstone pebble at the very top of Section 4 is vessicular with hornblende crystals. Many smaller dark pebbles (<0.5 cm) occur throughout the core.
Mud-bearing diatom ooze (~20/69%) with 5% nannofossils, 3% sponge spicules, 2% radiolarians, and 1% opaques
SS
SS
Diatom ooze (~96% diatoms) with 3% mud, 2% sponge spicules, and 1% radiolarians
2
4
6
1
2
3
4
5
6
7

Core Photo

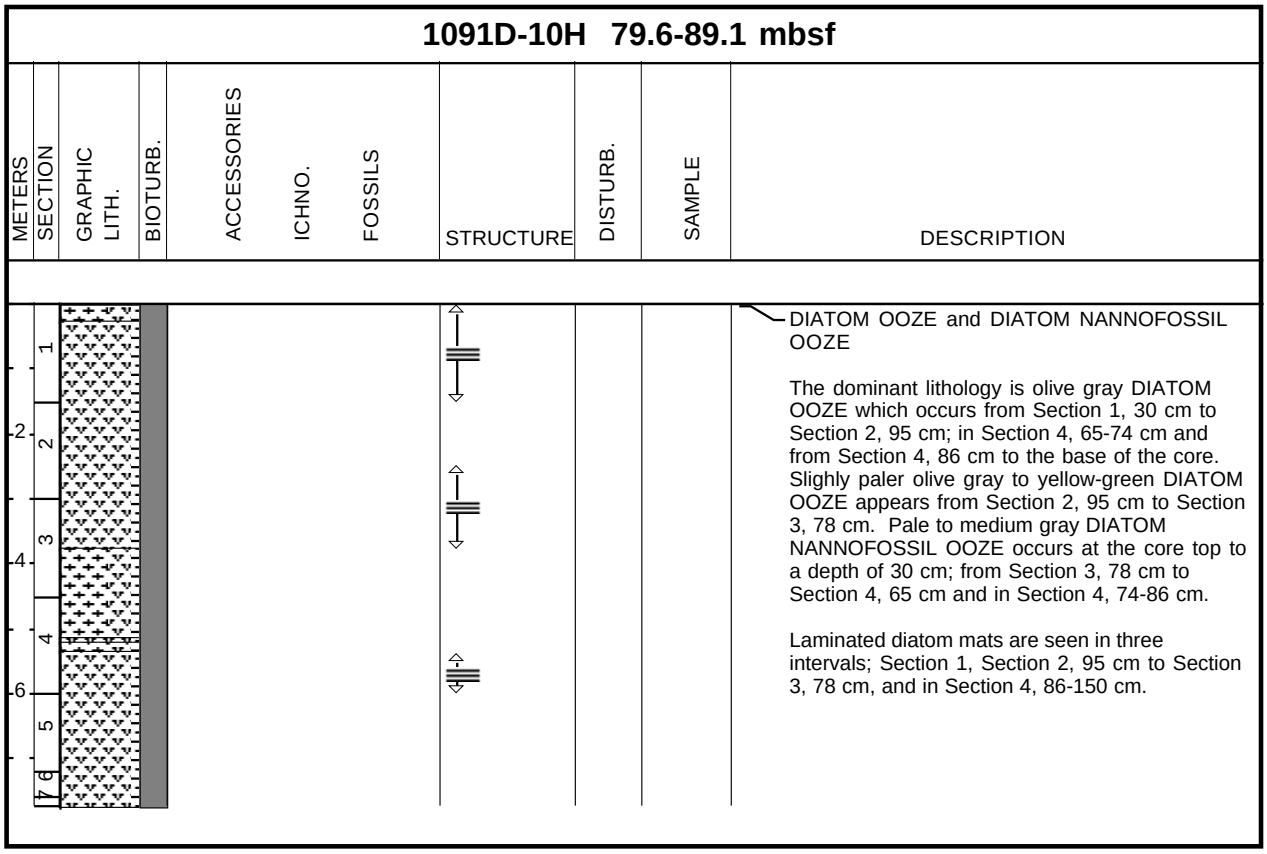

1091D-8H 60.6-70.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE and NANNOFOSSIL-BEARING DIATOM OOZE
Mottled yellowish green DIATOM OOZE and NANNOFOSSIL-BEARING DIATOM OOZE, with color bands of bright gree and bluish gray. Some intervals have coarser diatom mats. Several small (<0.7 cm) pebbles are observed throughout the core.
SS
Nannofossil-bearing diatom ooze (~40/50%) with 5% foraminifers, 3% mud, and 2% radiolarians
SS
Diatom ooze (~89% diatoms) with 5% radiolarians, 4% nannofossils, and 2% mud

Core Photo

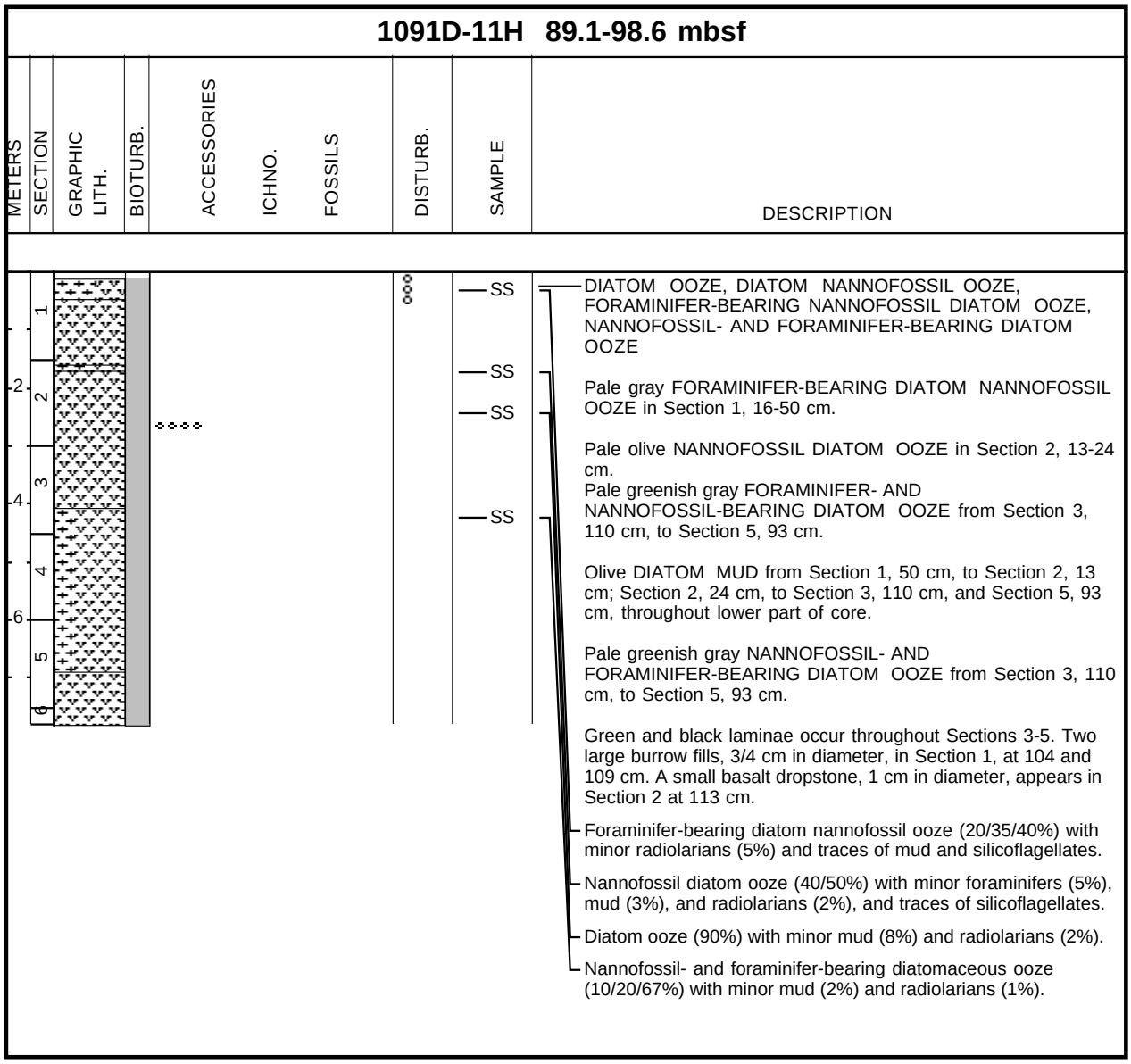
1091D-9H 70.1-79.6 mbsf



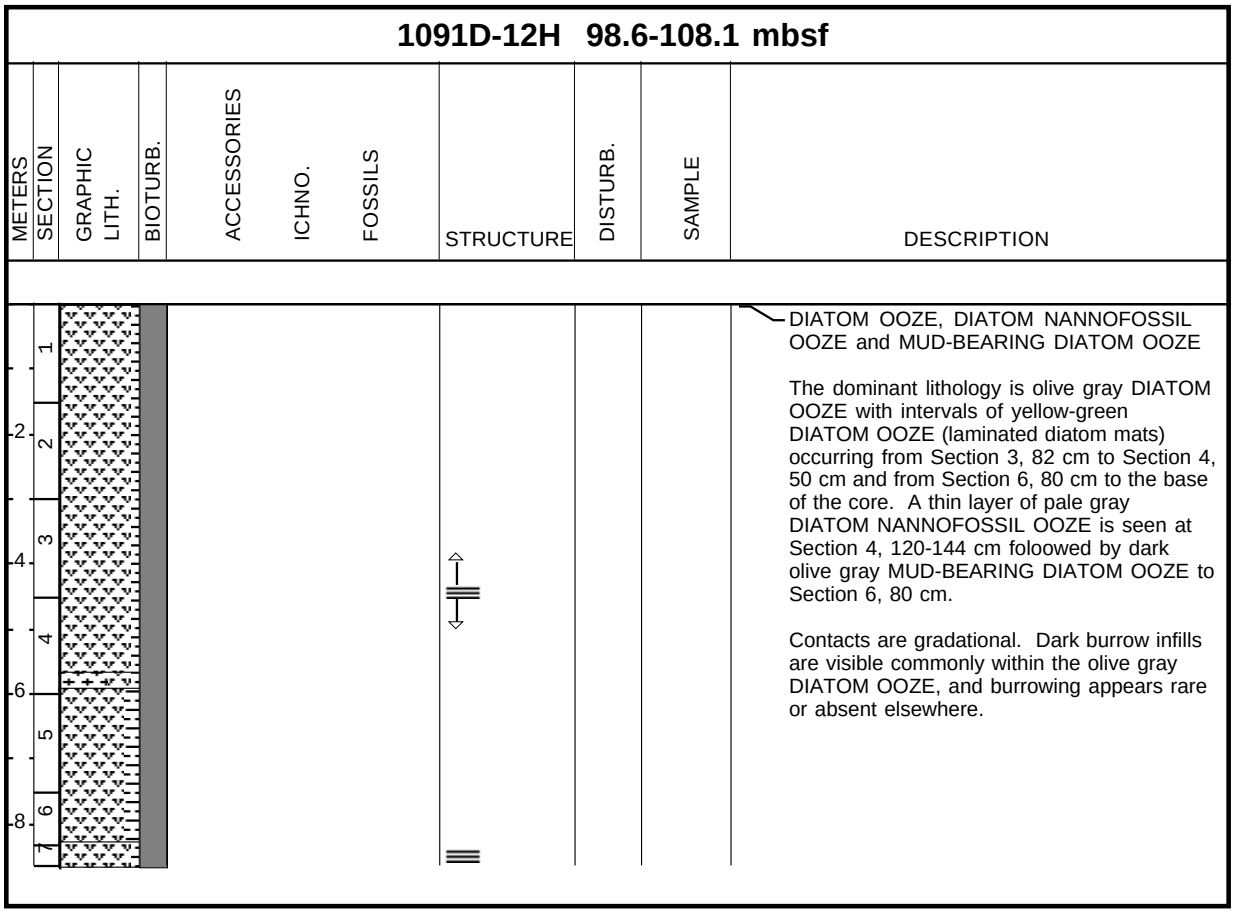
Core Photo


1091D-10H 79.6-89.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE and DIATOM NANNOFOSSIL OOZE
The dominant lithology is olive gray DIATOM OOZE which occurs from Section 1, 30 cm to Section 2, 95 cm; in Section 4, 65-74 cm and from Section 4, 86 cm to the base of the core. Slighly paler olive gray to yellow-green DIATOM OOZE appears from Section 2, 95 cm to Section 3, 78 cm. Pale to medium gray DIATOM NANNOFOSSIL OOZE occurs at the core top to a depth of 30 cm; from Section 3, 78 cm to Section 4, 65 cm and in Section 4, 74-86 cm.
Laminated diatom mats are seen in three intervals; Section 1, Section 2, 95 cm to Section 3, 78 cm, and in Section 4, 86-150 cm.

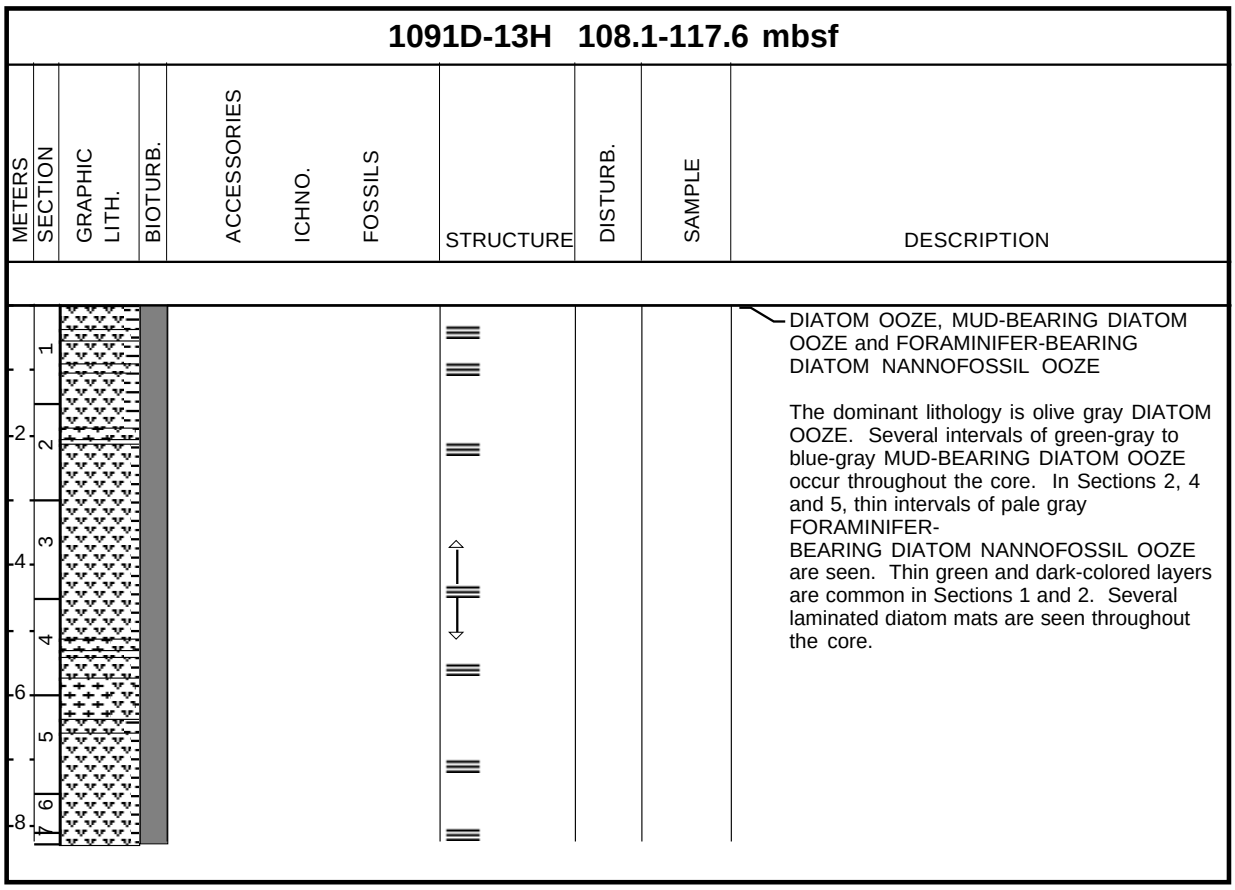
Core Photo


1091D-11H 89.1-98.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE, DIATOM NANNOFOSSIL OOZE, FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE, NANNOFOSSIL- AND FORAMINIFER-BEARING DIATOM OOZE
Pale gray FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE in Section 1, 16-50 cm.
Pale olive NANNOFOSSIL DIATOM OOZE in Section 2, 13-24 cm.
Pale greenish gray FORAMINIFER- AND NANNOFOSSIL-BEARING DIATOM OOZE from Section 3, 110 cm, to Section 5, 93 cm.
Olive DIATOM MUD from Section 1, 50 cm, to Section 2, 13 cm; Section 2, 24 cm, to Section 3, 110 cm, and Section 5, 93 cm, throughout lower part of core.
Pale greenish gray NANNOFOSSIL- AND FORAMINIFER-BEARING DIATOM OOZE from Section 3, 110 cm, to Section 5, 93 cm.
Green and black laminae occur throughout Sections 3-5. Two large burrow fills, 3/4 cm in diameter, in Section 1, at 104 and 109 cm. A small basalt dropstone, 1 cm in diameter, appears in Section 2 at 113 cm.
Foraminifer-bearing diatom nannofossil ooze (20/35/40%) with minor radiolarians (5%) and traces of mud and silicoflagellates.
Nannofossil diatom ooze (40/50%) with minor foraminifers (5%), mud (3%), and radiolarians (2%), and traces of silicoflagellates.
Diatom ooze (90%) with minor mud (8%) and radiolarians (2%).
Nannofossil- and foraminifer-bearing diatomaceous ooze (10/20/67%) with minor mud (2%) and radiolarians (1%).

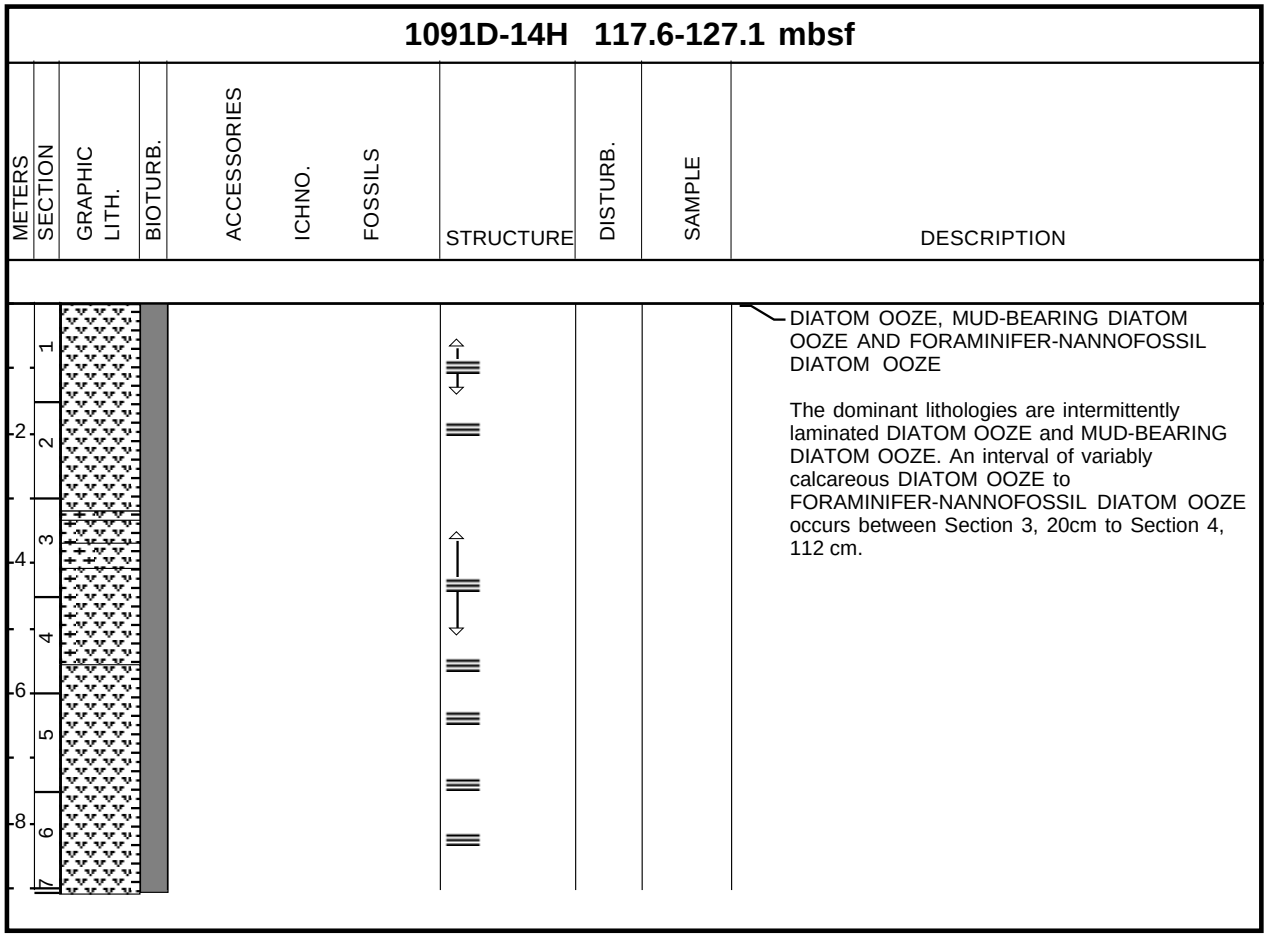
Core Photo


1091D-12H 98.6-108.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE, DIATOM NANNOFOSSIL OOZE and MUD-BEARING DIATOM OOZE
The dominant lithology is olive gray DIATOM OOZE with intervals of yellow-green DIATOM OOZE (laminated diatom mats) occurring from Section 3, 82 cm to Section 4, 50 cm and from Section 6, 80 cm to the base of the core. A thin layer of pale gray DIATOM NANNOFOSSIL OOZE is seen at Section 4, 120-144 cm foloowed by dark olive gray MUD-BEARING DIATOM OOZE to Section 6, 80 cm.
Contacts are gradational. Dark burrow infills are visible commonly within the olive gray DIATOM OOZE, and burrowing appears rare or absent elsewhere.

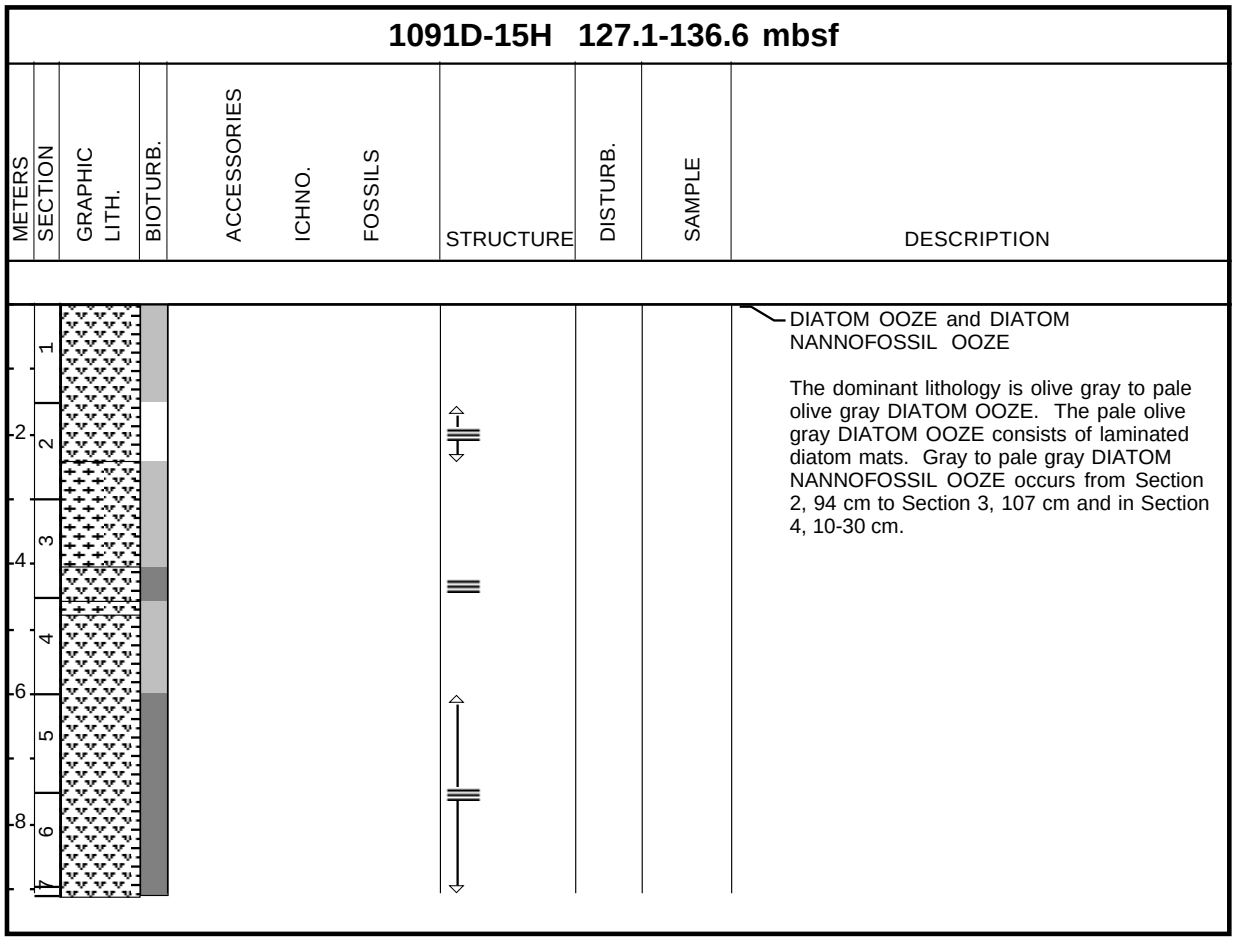
Core Photo


1091D-13H 108.1-117.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE, MUD-BEARING DIATOM OOZE and FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE
The dominant lithology is olive gray DIATOM OOZE. Several intervals of green-gray to blue-gray MUD-BEARING DIATOM OOZE occur throughout the core. In Sections 2, 4 and 5, thin intervals of pale gray FORAMINIFER-
BEARING DIATOM NANNOFOSSIL OOZE are seen. Thin green and dark-colored layers are common in Sections 1 and 2. Several laminated diatom mats are seen throughout the core.

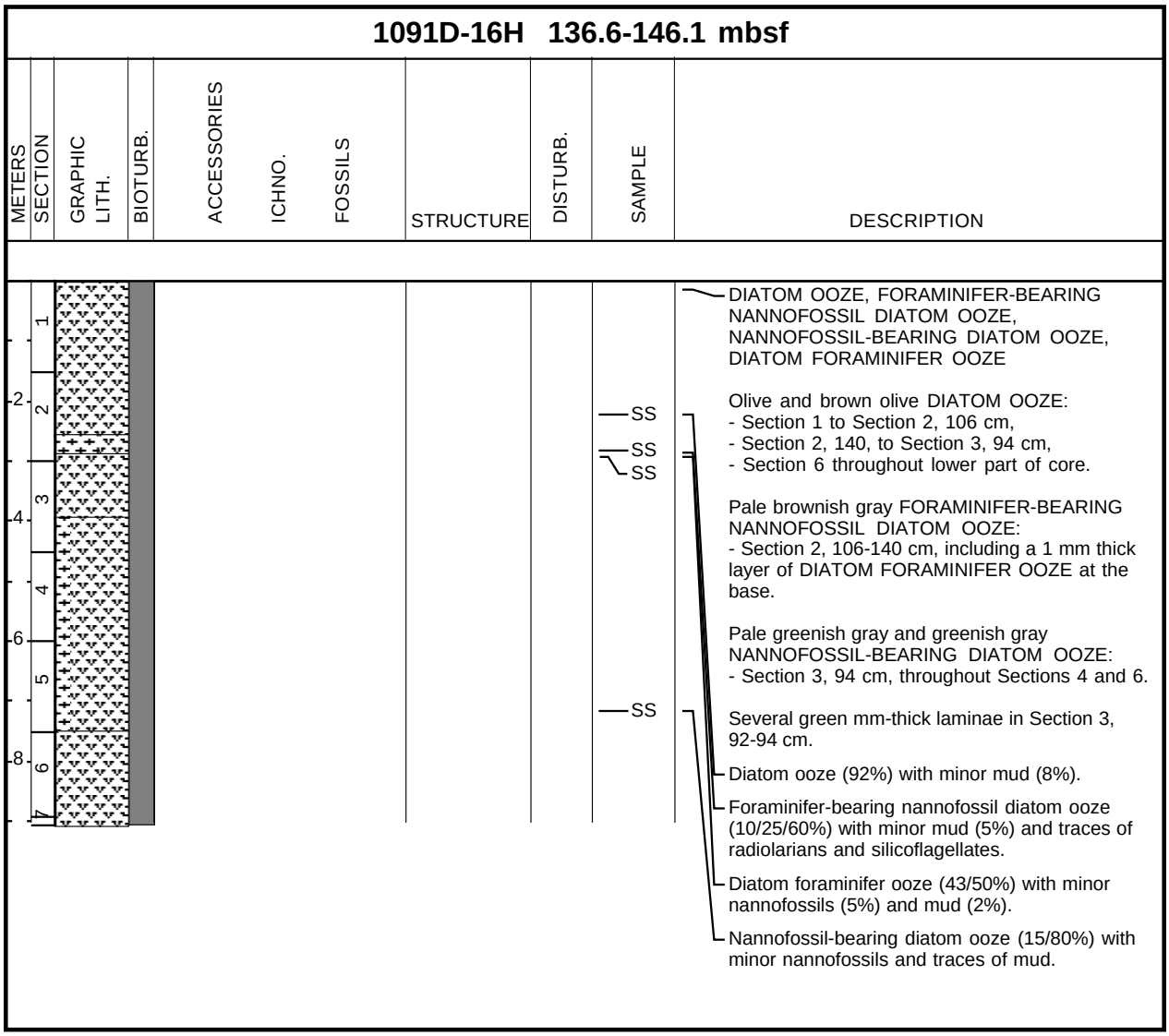
Core Photo


1091D-14H 117.6-127.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE, MUD-BEARING DIATOM OOZE AND FORAMINIFER-NANNOFOSSIL DIATOM OOZE
The dominant lithologies are intermittently laminated DIATOM OOZE and MUD-BEARING DIATOM OOZE. An interval of variably calcareous DIATOM OOZE to FORAMINIFER-NANNOFOSSIL DIATOM OOZE occurs between Section 3, 20cm to Section 4, 112 cm.

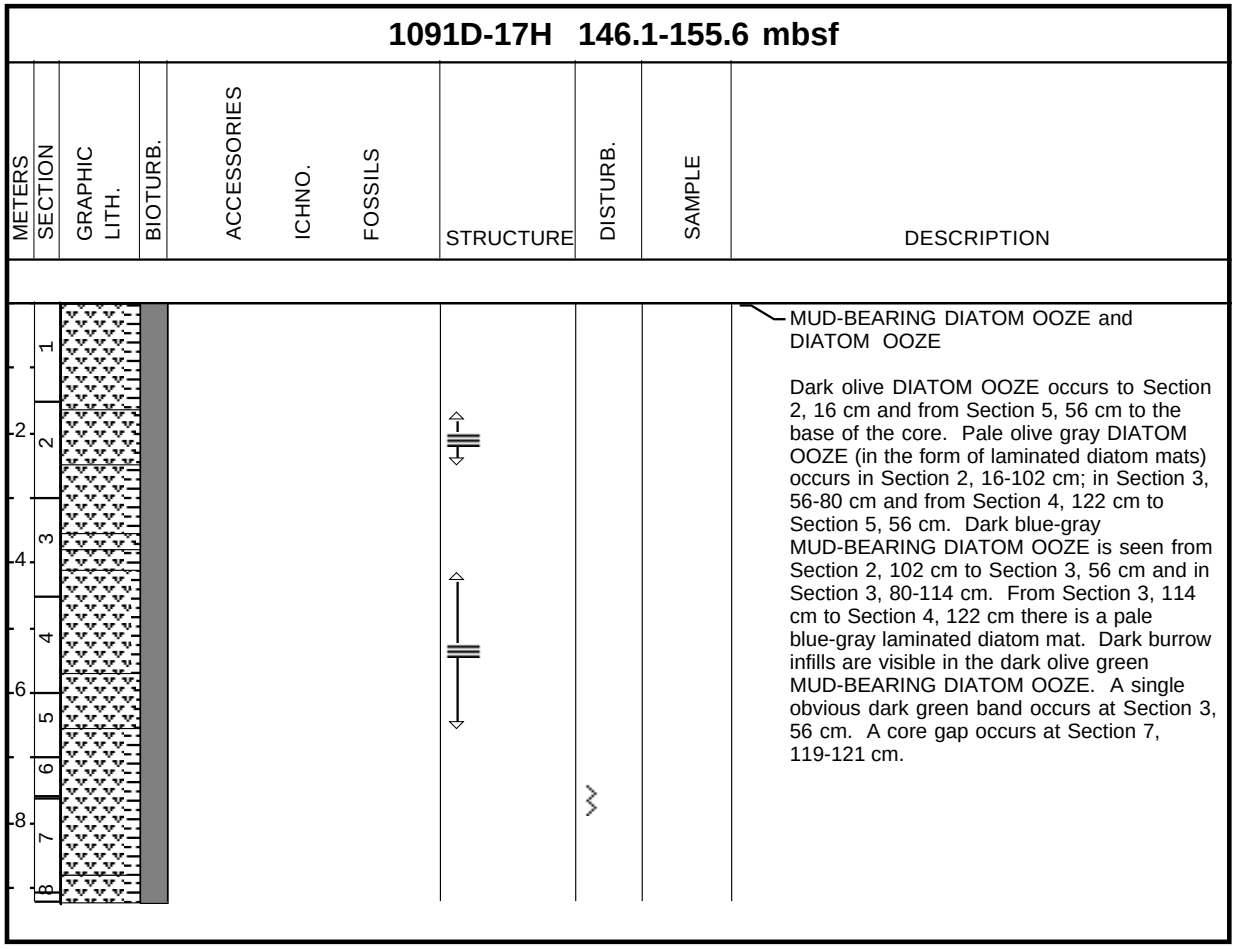
Core Photo


1091D-15H 127.1-136.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE and DIATOM NANNOFOSSIL OOZE
The dominant lithology is olive gray to pale olive gray DIATOM OOZE. The pale olive gray DIATOM OOZE consists of laminated diatom mats. Gray to pale gray DIATOM NANNOFOSSIL OOZE occurs from Section 2, 94 cm to Section 3, 107 cm and in Section 4, 10-30 cm.

Core Photo


1091D-16H 136.6-146.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE, FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE, NANNOFOSSIL-BEARING DIATOM OOZE, DIATOM FORAMINIFER OOZE
Olive and brown olive DIATOM OOZE:
- Section 1 to Section 2, 106 cm,
- Section 2, 140, to Section 3, 94 cm,
- Section 6 throughout lower part of core.
Pale brownish gray FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE:
- Section 2, 106-140 cm, including a 1 mm thick layer of DIATOM FORAMINIFER OOZE at the base.
Pale greenish gray and greenish gray NANNOFOSSIL-BEARING DIATOM OOZE:
- Section 3, 94 cm, throughout Sections 4 and 6.
Several green mm-thick laminae in Section 3, 92-94 cm.
Diatom ooze (92%) with minor mud (8%).
Foraminifer-bearing nannofossil diatom ooze (10/25/60%) with minor mud (5%) and traces of radiolarians and silicoflagellates.
Diatom foraminifer ooze (43/50%) with minor nannofossils (5%) and mud (2%).
Nannofossil-bearing diatom ooze (15/80%) with minor nannofossils and traces of mud.

Core Photo


1091D-17H 146.1-155.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING DIATOM OOZE and DIATOM OOZE
Dark olive DIATOM OOZE occurs to Section 2, 16 cm and from Section 5, 56 cm to the base of the core. Pale olive gray DIATOM OOZE (in the form of laminated diatom mats) occurs in Section 2, 16-102 cm; in Section 3, 56-80 cm and from Section 4, 122 cm to Section 5, 56 cm. Dark blue-gray MUD-BEARING DIATOM OOZE is seen from Section 2, 102 cm to Section 3, 56 cm and in Section 3, 80-114 cm. From Section 3, 114 cm to Section 4, 122 cm there is a pale blue-gray laminated diatom mat. Dark burrow infills are visible in the dark olive green MUD-BEARING DIATOM OOZE. A single obvious dark green band occurs at Section 3, 56 cm. A core gap occurs at Section 7, 119-121 cm.
1
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CC
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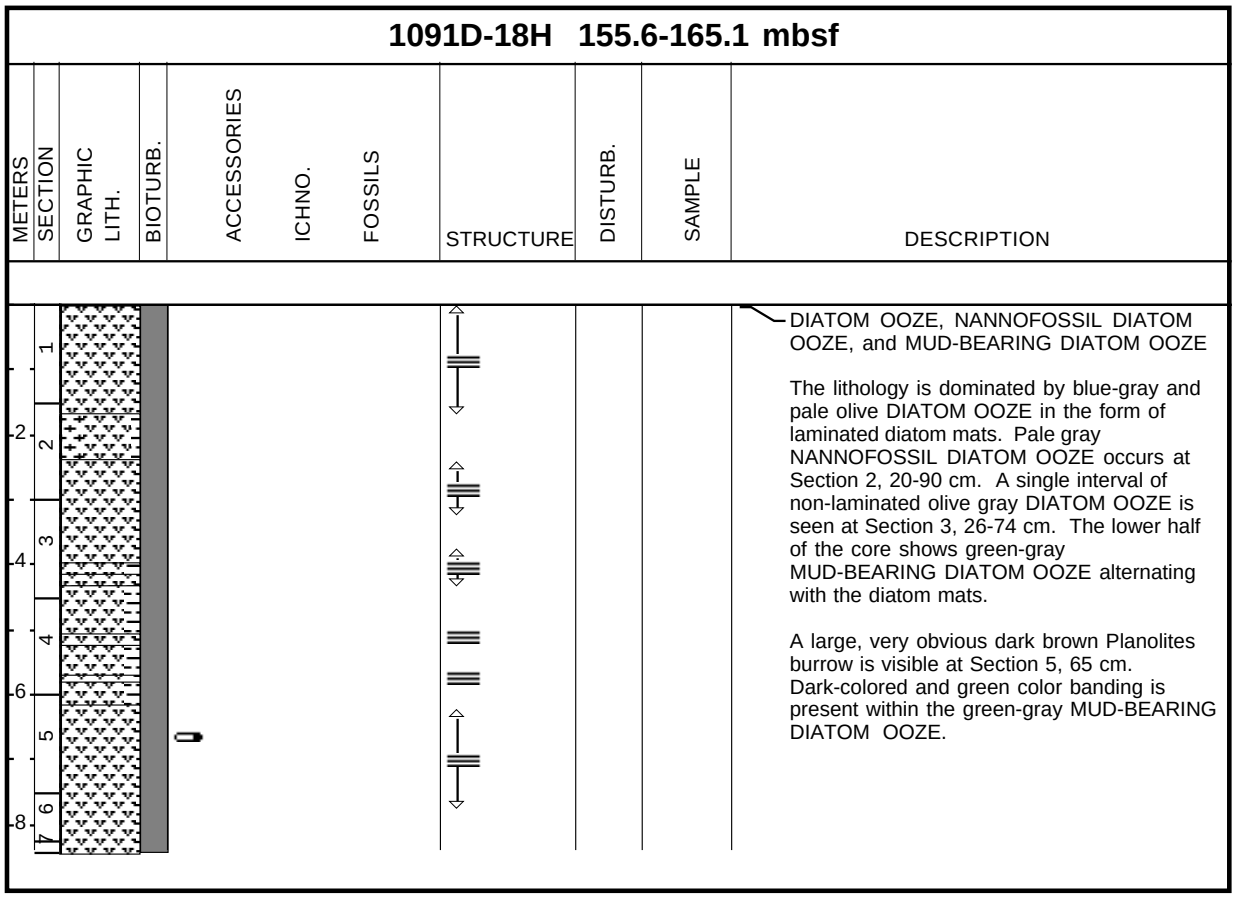
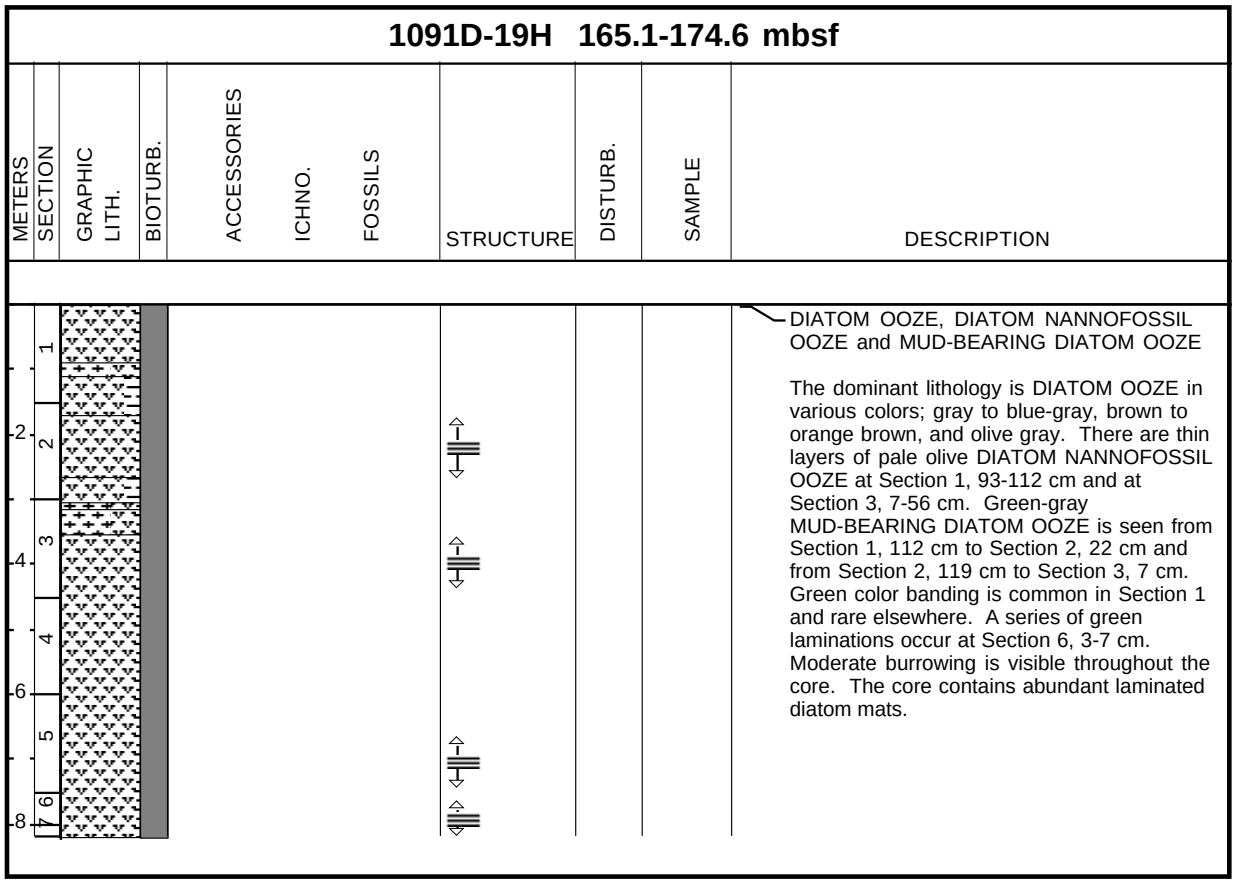
Core Photo


1091D-18H 155.6-165.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE, NANNOFOSSIL DIATOM OOZE, and MUD-BEARING DIATOM OOZE
The lithology is dominated by blue-gray and pale olive DIATOM OOZE in the form of laminated diatom mats. Pale gray NANNOFOSSIL DIATOM OOZE occurs at Section 2, 20-90 cm. A single interval of non-laminated olive gray DIATOM OOZE is seen at Section 3, 26-74 cm. The lower half of the core shows green-gray MUD-BEARING DIATOM OOZE alternating with the diatom mats.
A large, very obvious dark brown Planolites burrow is visible at Section 5, 65 cm. Dark-colored and green color banding is present within the green-gray MUD-BEARING DIATOM OOZE.

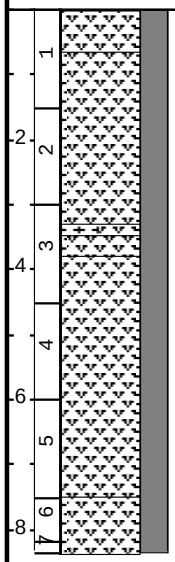
Core Photo


1091D-19H 165.1-174.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE, DIATOM NANNOFOSSIL OOZE and MUD-BEARING DIATOM OOZE
The dominant lithology is DIATOM OOZE in various colors; gray to blue-gray, brown to orange brown, and olive gray. There are thin layers of pale olive DIATOM NANNOFOSSIL OOZE at Section 1, 93-112 cm and at Section 3, 7-56 cm. Green-gray MUD-BEARING DIATOM OOZE is seen from Section 1, 112 cm to Section 2, 22 cm and from Section 2, 119 cm to Section 3, 7 cm. Green color banding is common in Section 1 and rare elsewhere. A series of green laminations occur at Section 6, 3-7 cm. Moderate burrowing is visible throughout the core. The core contains abundant laminated diatom mats.

Core Photo

1091D-20H 174.6-184.1 mbsf

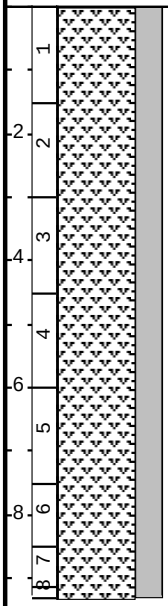
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES / ICHNO. / FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
								DIATOM OOZE and NANNOFOSSIL DIATOM OOZE Sediment core consists of DIATOM OOZE which is brownish to olive in Section 1, 0-60 cm; and from Section 3, 80 cm, to Section 6, 32 cm. Pale brownish and greenish gray varieties appear from Section 1, 60 cm, to Section 3, 32 cm; Section 3, 48-80 cm; and from Section 6, 32 cm, throughout the lower part of the core. A thin interval of pale gray NANNOFOSSIL DIATOM OOZE is seen in Section 3, 32-48 cm. Moderate bioturbation and few burrows. Diffuse greenish and dark gray color banding throughout core.



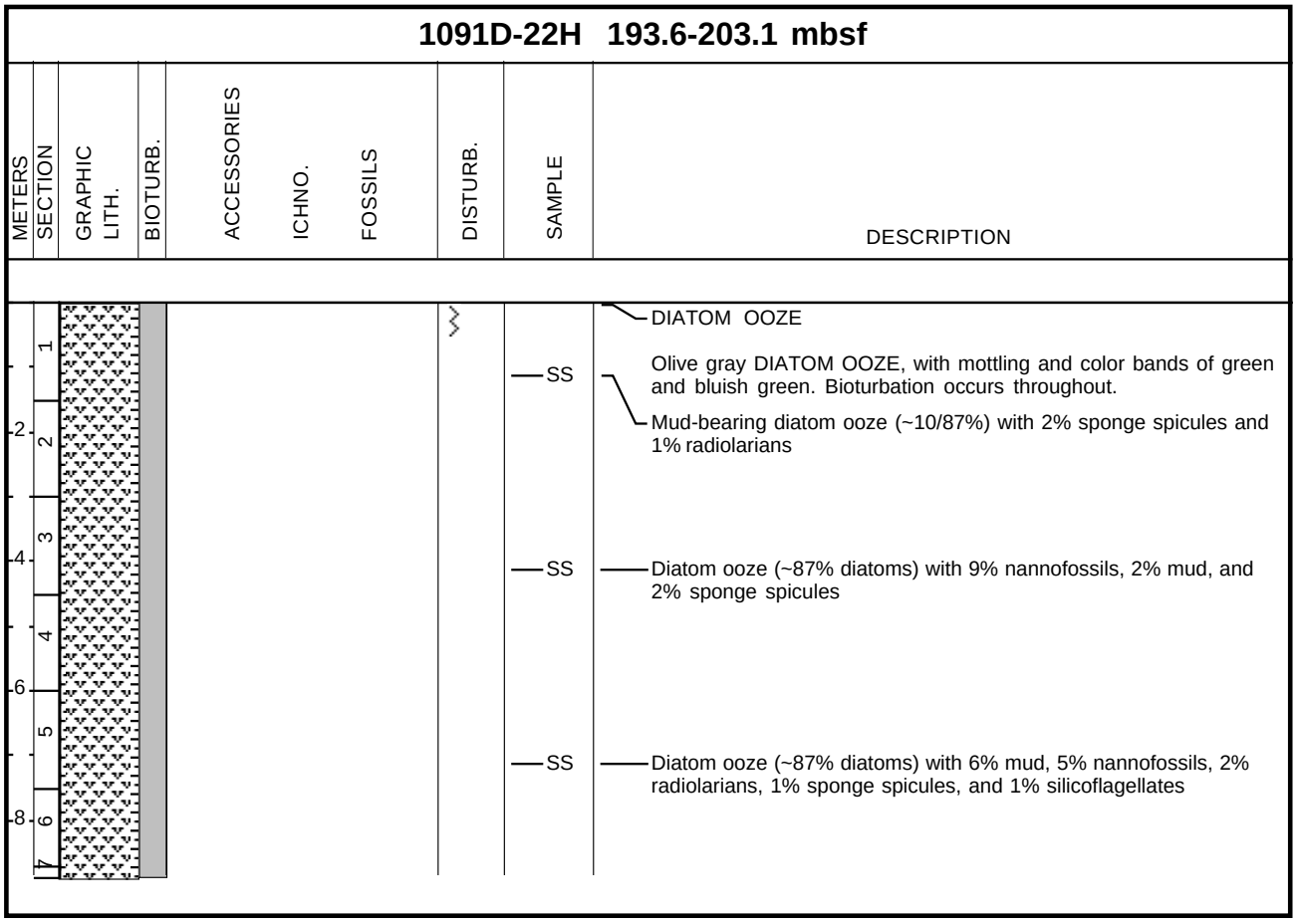
Core Photo

1091D-21H 184.1-193.6 mbsf

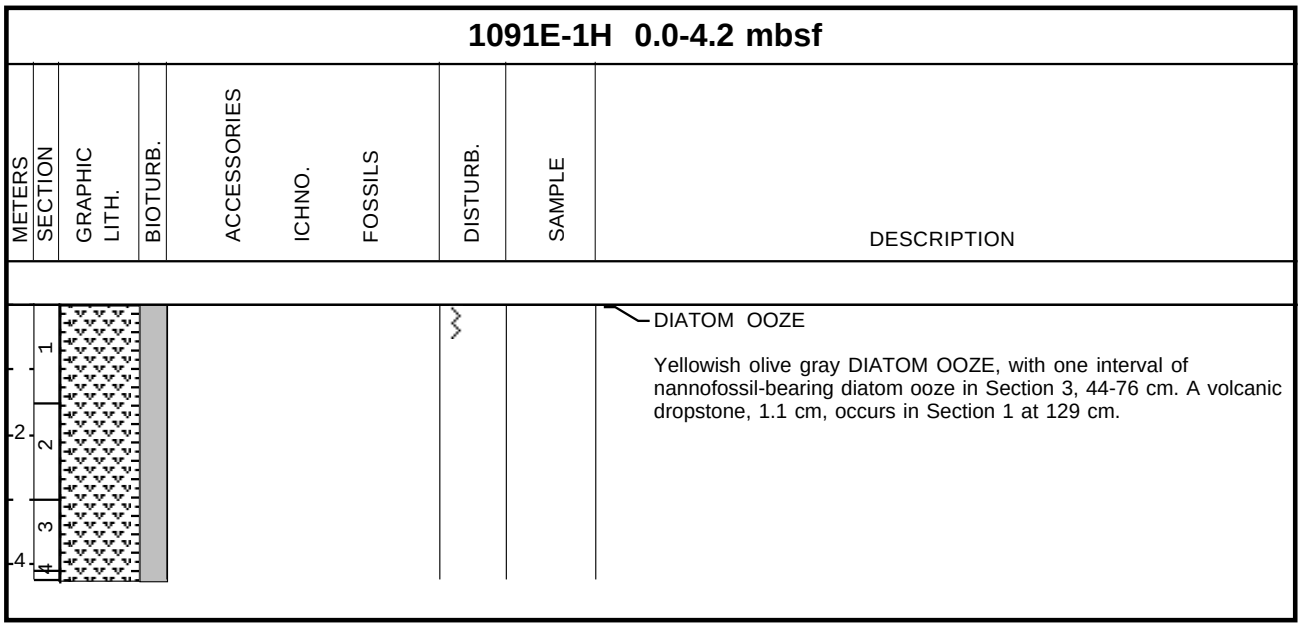
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
										DIATOM OOZE Olive and brown olive DIATOM OOZE throughout Sections 1 and 2 to Section 3, 120 cm; and Section 5, 35 cm throughout the lower part of the core. Pale greenish gray DIATOM OOZE appears from Section 3, 120 cm, to Section 5, 35 cm. Few burrows and rare bioturbation. No core disturbance.



Core Photo


1091D-22H 193.6-203.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
SS
Olive gray DIATOM OOZE, with mottling and color bands of green and bluish green. Bioturbation occurs throughout.
Mud-bearing diatom ooze (~10/87%) with 2% sponge spicules and 1% radiolarians
SS
Diatom ooze (~87% diatoms) with 9% nannofossils, 2% mud, and 2% sponge spicules
SS
Diatom ooze (~87% diatoms) with 6% mud, 5% nannofossils, 2% radiolarians, 1% sponge spicules, and 1% silicoflagellates

Core Photo


1091E-1H 0.0-4.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Yellowish olive gray DIATOM OOZE, with one interval of nannofossil-bearing diatom ooze in Section 3, 44-76 cm. A volcanic dropstone, 1.1 cm, occurs in Section 1 at 129 cm.
1
2
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2
4

Core Photo

1091E-2H 4.2-13.7 mbsf

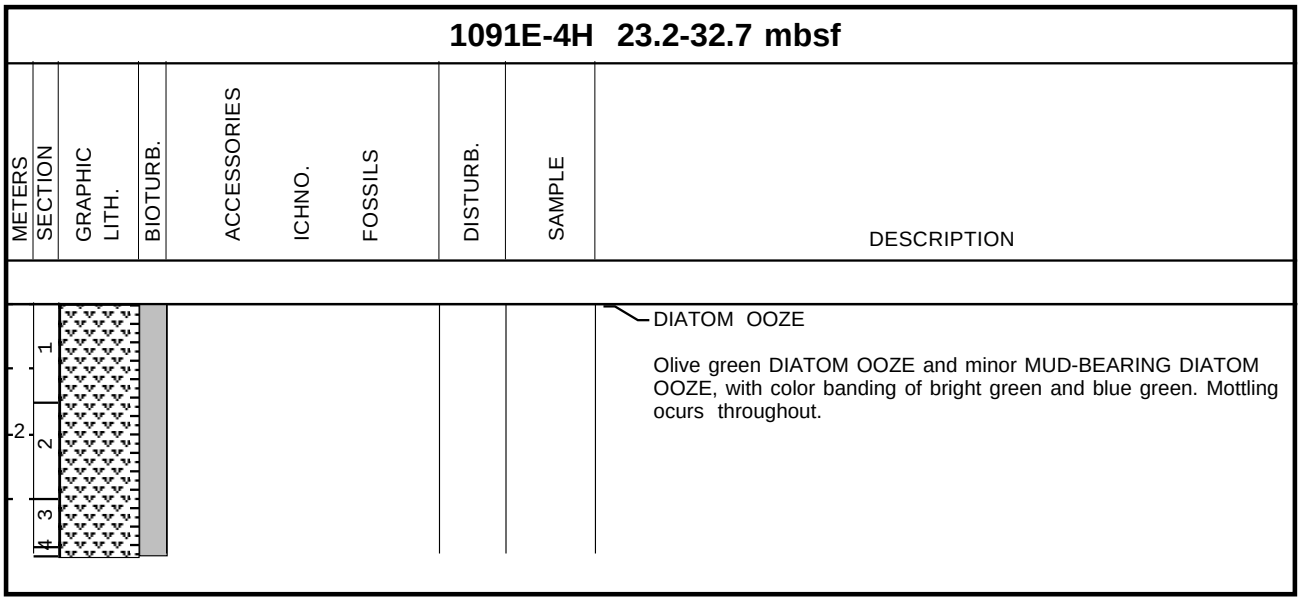
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
2	1								DIATOM OOZE Yellowish olive green DIATOM OOZE with some interbedded MUD-BEARING DIATOM OOZE and NANNOFOSSIL-BEARING DIATOM OOZE. Mottling occurs throughout, as does bright green and blue-green layers. A black volcanic dropstone, 2.2 cm, occurs in Section 1 at 80 cm.
	2								
4	3								
	4								
	5								

Core Photo

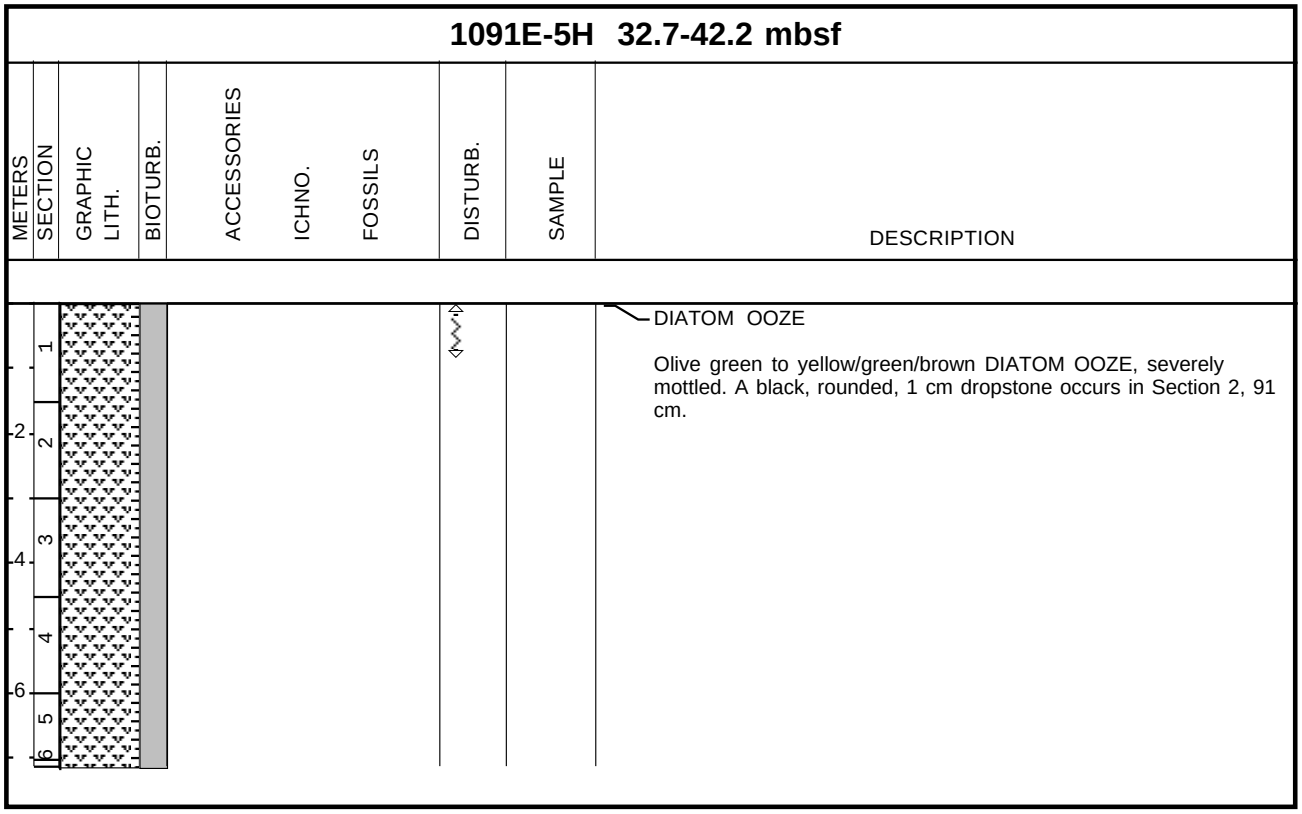
1091E-3H 13.7-23.2 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
1 2 3 4	1 2 3 4 5								DIATOM OOZE Yellowish olive green DIATOM OOZE. Mottling and bioturbation occurs throughout, as does green and blue-green layers. One interval (Section 3, 70-95) contains pale gray NANNOFOSSIL DIATOM OOZE. Section 4, 26-38 cm, contains a more fine-grained lighter green layer with a sharp lower contact.

Core Photo


1091E-4H 23.2-32.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
2
DIATOM OOZE
Olive green DIATOM OOZE and minor MUD-BEARING DIATOM OOZE, with color banding of bright green and blue green. Mottling ocurs throughout.

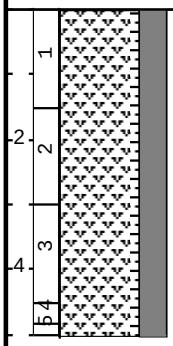
Core Photo


1091E-5H 32.7-42.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Olive green to yellow/green/brown DIATOM OOZE, severely mottled. A black, rounded, 1 cm dropstone occurs in Section 2, 91 cm.

Core Photo

1091E-6H 42.2-51.7 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	DISTURB.	SAMPLE	DESCRIPTION
									DIATOM OOZE Olive green DIATOM OOZE, mottled throughout with green and green/blue layers occurring in several setions. Some black sulfide burrow fills are present.



Sample number									Size		Composition - Siliciclastic													Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1091	A	1	H	1	21	BD	x			10													10	35	18	35	2	tr	tr					90	mud- and foraminifer-bearing nannofossil diatom ooze
1091	A	1	H	1	28	SK	x			10													10			90								90	mud-bearing diatom ooze
1091	A	1	H	1	82	AK		x		25											1		26			73	1							74	mud diatom ooze
1091	A	1	H	3	83	BD		x		9													9	5	43	35	8							91	diatom foraminifer ooze
1091	A	1	H	4	95	SK	x			30													30	6	7	57	tr	tr						70	mud diatom ooze
1091	A	1	H	5	66	AK		x		6													6	1	7	86								94	diatom ooze
1091	A	2	H	1	147	SK	x			20									4				24	tr	6	65	5							76	mud-bearing diatom ooze
1091	A	2	H	2	38	SK	x			5													5	50	15	30								95	foraminifer-bearing diatom nannofossil ooze
1091	A	2	H	2	58	AK	x			15													15	15	5	60	5							85	mud- and nannofossil-bearing diatom ooze
1091	A	2	H	2	122	BD	x			14													14	5	1	80								86	mud-bearing diatom ooze
1091	A	3	H	2	6	SK	x			8													8			90	2	tr						92	diatom ooze
1091	A	3	H	3	135	SK		x		19													19			80	1	tr						81	mud-bearing diatom ooze
1091	A	3	H	6	23	SK		x		5													5	45	22	25	3							95	foraminifer-bearing diatom nannofossil ooze
1091	A	3	H	cc	8	SK	x			7													7		tr	90	3							93	diatom ooze
1091	A	4	H	1	25	SK	x			15													15			85								85	mud-bearing diatom ooze
1091	A	4	H	2	145	SK	x			30													30			65	5							70	mud diatom ooze
1091	A	5	H	4	5	WH	x			9													9			91								91	diatom ooze
1091	A	5	H	5	57	WH		x															0	50	10	40								100	foraminifer-bearing diatom nannofossil ooze
1091	A	5	H	5	124	WH	x			5													5			90	5							95	diatom ooze
1091	A	6	H	1	87	DW	x			2													2	75	3	20								98	diatom nannofossil ooze
1091	A	6	H	1	105	WH	x			2													2	73	5	20								98	diatom nannofossil ooze
1091	A	6	H	3	69	WH	x			15													15			80	5	tr						85	Mud-bearing diatom ooze
1091	A	7	H	2	82	GF		x															0			98	2							100	diatom ooze
1091	A	7	H	3	105	GF	x			2									5				7	3		85	5							93	diatom ooze
1091	A	7	H	7	50	GF	x			1													1			94	5							99	diatom ooze
1091	A	8	H	2	47	WH	x			9													9		2	87		2						91	diatom ooze
1091	A	8	H	2	74	WH	x			tr													0		2	96		2						100	diatom ooze
1091	A	8	H	2	88	WH	x			4													4			90	4	2						96	diatom ooze
1091	A	8	H	3	21	WH	x			10													10	25	5	58	2							90	mud- and nannofossil-bearing diatom ooze
1091	A	9	H	2	122	DW	x			40													40			55	4		1					60	mud diatom ooze
1091	A	9	H	4	126	DW		x		5						3							8	70		21	1							92	diatom-bearing nannofossil ooze
1091	A	10	H	2	100	AK	x			5									1				6	52	30	10	2							94	diatom-bearing foraminifer nannofossil ooze
1091	A	10	H	4	80	AK	x			15											tr		15			82	3							85	Mud-bearing diatom ooze
1091	A	10	H	5	23	AK		x		3													3			97	tr	tr						97	diatom ooze
1091	A	10	H	5	30	AK	x			9											tr		9			91	tr	tr						91	diatom ooze
1091	A	10	H	6	110	AK		x		15									2				17	2	25	56	tr	tr	tr					83	Mud-bearing foraminifer diatom ooze
1091	A	10	H	6	141	AK		x		5									1		tr		6	tr	1	93	tr	tr						94	diatom ooze
1091	A	11	H	2	68	SK		x		25													25	15	10	45	4	1						75	foraminifer and nannofossil bearing mud diatom ooze
1091	A	11	H	3	70	SK	x			10													10			85	5	tr						90	Mud-bearing diatom ooze
1091	A	11	H	3	98	SK		x		3													3	40	20	30	7							97	foraminifer-bearing diatom nannofossil ooze
1091	A	11	H	4	15	SK		x		6													6	20	6	65	3							94	nannofossil-bearing diatom ooze

Sample number									Size		Composition - Siliciclastic															Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1091	A	11	H	4	85	SK		x		25													25	25	20	24	6							75	foraminfer and diatom-bearing mud nannofossil ooze
1091	A	12	H	3	55	SK	x			20											2		22			75	3	tr						78	Mud-bearing diatom ooze
1091	A	12	H	4	80	SK	x			20											5		25			70	5							75	Mud-bearing diatom ooze
1091	A	13	H	1	50	SK	x			21											1		22			75	3							78	Mud-bearing diatom ooze
1091	A	13	H	4	100	SK		x		7													7	40	10	35	8	tr						93	foraminfer bearing diatom nannofossil ooze
1091	A	13	H	6	63	AK		x													1		1			99	tr	tr						99	diatom ooze
1091	A	14	H	1	96	BD	x			3													3	27	10	60	tr	tr						97	foraminifer bearing diatom nannofossil ooze
1091	A	14	H	3	30	BD	x			5													5			95	tr	tr						95	diatom ooze
1091	A	14	H	4	86	BD	x			5													5	20	tr	75	tr							95	nannofossil-bearing diatom ooze
1091	A	14	H	6	70	BD	x			6													6	tr		94	tr							94	diatom ooze
1091	A	15	H	2	65	DW	x			20	P									tr			20			80								80	mud-bearing diatom ooze
1091	A	15	H	2	110	DW	x			6									5				11	50		39								89	diatom nannofossil ooze
1091	A	15	H	5	70	DW	x			20									5				25	5		70								75	mud-bearing diatom ooze
1091	A	16	H	2	84	WH	x			10	P	P											10			90								90	mud-bearing diatom ooze
1091	A	16	H	4	5	WH	x			5													5	36	9	50								95	foraminifer-bearing nannofossil diatom ooze
1091	A	16	H	4	50	WH	x			5													5	30		65								95	nannofossil-bearing diatom ooze
1091	A	17	H	2	59	WH	x			5													5			95								95	diatom ooze
1091	A	17	H	4	106	DW		x		45													45	5		50								55	mud diatom ooze
1091	A	17	H	5	68	WH	x			5													5	tr		95								95	diatom ooze
1091	A	17	H	5	120	DW		x		2													2	50		48								98	diatom nannofossil ooze
1091	A	18	H	2	103	DW	x			5													5	30	20	45								95	diatom calcareous ooze
1091	A	18	H	4	104	WH	x			5													5	25	6	64								95	nannofossil diatom ooze
1091	A	19	H	3	76	DW	x			4													4	50	5	41								96	diatom nannofossil ooze
1091	A	19	H	3	102	DW		x		4													4	49		47								96	diatom nannofossil ooze
1091	A	19	H	5	110	DW	x			32													32			68								68	mud diatom ooze
1091	A	20	H	3	112	DW	x			5													5			93	1		1					95	diatom ooze
1091	A	20	H	4	73	DW	x			3													3	67		28	1		1					97	diatom nannofossil ooze
1091	A	20	H	5	14	DW	x			4													4			94	1		1					96	diatom ooze
1091	A	21	H	2	12	SK	x			5													5			95	tr	tr						95	diatom ooze
1091	A	21	H	3	110	SK	x			8													8			92								92	diatom ooze
1091	A	21	H	5	30	SK	x			5													5			95	tr	tr						95	diatom ooze
1091	A	22	H	2	20	SK	x			5													5		tr	95	tr							95	diatom ooze
1091	A	22	H	4	8	SK	x			5													5			85	9	1						95	diatom ooze
1091	A	23	H	1	75	AK	x			12													12			88	tr	tr						88	mud-bearing nannofossil ooze
1091	A	23	H	2	84	AK	x			15									2				17	10	1	72	tr	tr						83	nannofossil- and mud-bearing diatom ooze
1091	A	23	H	4	70	AK	x			12													12	30	1	57	tr	tr						88	mud-bearing nannofossil diatom ooze
1091	A	23	H	5	60	AK	x			10													10	1	10	78		1						90	mud- and foraminifer-bearing diatom ooze
1091	A	23	H	5	102	AK	x			15									tr				15	15	15	55	tr	tr						85	mud-, foraminifer- and nannofossil-bearing diatom ooze
1091	A	24	H	3	10	SK	x			8													8			90	tr	2						92	diatom ooze
1091	A	24	H	4	120	SK	x			14													14			85	tr	1						86	mud-bearing diatom ooze
1091	A	24	H	5	122	SK		x		12											tr		12	35	5	45	2	1						88	mud-bearing nannofossil diatom ooze

Sample number									Size		Composition - Siliciclastic												Composition - Biogenic												Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1091	A	25	H	1	60	SK	x			9													9			91	tr	tr						91	diatom ooze
1091	A	25	H	5	140	SK	x			20													20	4	10	65	tr	1						80	foraminifer- and mud-bearing diatom ooze
1091	A	26	H	2	35	AK		x		1													1	1	60	37	1							99	diatom foraminifer ooze
1091	A	26	H	2	37	AK		x		5									1				6	1	25	67	1							94	foraminifer diatom ooze
1091	A	26	H	2	65	BD	x			3													3			96	tr	1						97	diatom ooze
1091	A	26	H	4	99	BD		x		8													8			92	tr							92	diatom ooze
1091	A	26	H	4	102	BD	x			2													2	2	8	60	tr						28	98	foraminifer diatom ooze
1091	A	26	H	5	117	BD		x		7													7			93	tr							93	diatom ooze
1091	A	26	H	6	125	BD	x			1													1	tr	15	84	tr							99	foraminifer-bearing diatom ooze
1091	A	27	H	4	62	SK	x			5													5	35	10	30	20							95	foraminifer- and radiolarian-bearing diatom ooze
1091	A	27	H	6	75	SK	x			15													15			65	20							85	mud- and radiolarian-bearing diatom ooze
1091	A	28	H	2	100	DW	x			10													10			88	1		1					90	mud-bearing diatom ooze
1091	A	28	H	4	80	DW	x			3													3	50	5	40	1		1					97	diatom nannofossil ooze
1091	A	28	H	5	56	DW		x		10													10			88	1		1					90	mud-bearing diatom ooze
1091	A	28	H	5	145	DW	x			3													3	50	5	40	1		1					97	diatom nannofossil ooze
1091	A	29	H	4	70	WH	x			5													5	1	5	85	4							95	diatom ooze
1091	A	29	H	5	31	WH	x			20													20			78	2							80	mud diatom ooze
1091	A	29	H	6	90	WH	x			5													5	45	5	40	5							95	diatom nannofossil ooze
1091	A	30	H	1	58	DW		x		45													45	2		51	2							55	mud diatom ooze
1091	A	30	H	3	42	DW		x		98													98			2	tr		tr					2	mud
1091	A	30	H	3	107	DW	x			30									2				32	5		60	1		2					68	mud diatom ooze
1091	A	30	H	5	60	GF	x			17											3		20			69	3	2	6					80	mud-bearing diatom ooze
1091	A	30	H	6	50	DW	x			45													45	2		52	1							55	mud diatom ooze
1091	A	31	H	3	3	DW		x		5													5	50		40	3		2					95	diatom nannofossil ooze
1091	A	31	H	3	120	DW	x			20													20	2		76	1		1					80	mud-bearing diatom ooze
1091	A	31	H	4	110	DW		x		83													83			15	1		1					17	diatom-bearing mud
1091	A	32	H	1	110	WH	x			15													15		5	80								85	mud-bearing diatom ooze
1091	A	32	H	3	75	WH	x			5													5			90		5						95	diatom ooze
1091	A	32	H	3	104	WH	x			5													5			85	5	5						95	diatom ooze
1091	A	32	H	4	110	WH	x			5													5			95								95	diatom ooze
1091	A	33	H	1	52	WH	x			5													5			93	2							95	diatom ooze
1091	A	33	H	4	116	WH	x			5													5			95								95	diatom ooze
1091	A	33	H	5	104	WH	x			15													15			85								85	mud-bearing diatom ooze
1091	B	1	H	1	44	SK		x		20													20	9	5	60	6	tr						80	mud-bearing diatom ooze
1091	B	1	H	2	105	SK		x		4													4	26	20	45	5	tr						96	foraminifer-bearing nannofossil diatom ooze
1091	B	1	H	2	111	SK		x		5													5	5	50	25	15							95	radiolarian-bearing diatom foraminifer ooze
1091	B	1	H	3	30	SK	x			12													12			85	3							88	mud-bearing diatom ooze
1091	B	2	H	1	65	BD	x			15													15	2	8	70	5	tr						85	mud-bearing diatom ooze
1091	B	2	H	2	2	BD	x			9													9	5	20	63	3							91	foraminifer-bearing diatom ooze
1091	B	2	H	3	17	AK		x		5													5	2	8	85	tr	tr						95	diatom ooze
1091	B	2	H	3	75	BD	x			5													5	45	30	20								95	diatom-bearing foraminifer nannofossil ooze

Sample number									Size		Composition - Siliciclastic														Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1091	B	2	H	4	100	BD	x			3													3			88	9	tr						97	diatom ooze
1091	B	3	H	3	20	SK		x		9													9			90	1	tr						91	diatom ooze
1091	B	3	H	6	20	SK	x			6													6			90	4	tr						94	diatom ooze
1091	B	4	H	3	90	AK	x			1													1	tr		99	tr	tr						99	diatom ooze
1091	B	5	H	2	45	SK	x			25													25			60	15	tr						75	mud diatom ooze
1091	B	5	H	2	66	SK	x			6													6	30	15	40	9	tr						94	foraminifer-bearing nannofossil diatom ooze
1091	B	5	H	4	43	SK	x			8													8	2		90								92	diatom ooze
1091	B	6	H	1	88	SK	x																0	35	25	37	3	tr						100	foraminifer nannofossil diatom ooze
1091	B	6	H	1	94	SK	x			5													5	15	75	5								95	nannofossil-bearing foraminifer ooze
1091	B	6	H	2	32	SK	x			5													5		tr	90	5	tr						95	diatom ooze
1091	B	6	H	3	115	SK	x																0	55	10	30	5	tr						100	foraminifer-bearing diatom nannofossil ooze
1091	B	7	H	4	20	BD	x			7													7			88	5							93	diatom ooze
1091	B	7	H	4	76	BD		x		5													5			95	tr							95	diatom ooze
1091	B	7	H	5	20	BD	x			3													3	5	20	72	tr							97	foraminifer-bearing diatom ooze
1091	B	7	H	5	41	AK		x	10	1	P	P		P									11	1	88									89	sand-bearing foraminifer ooze
1091	B	8	H	2	96	GF	x			4													4			96								96	diatom ooze
1091	B	8	H	3	128	GF	x			6													6			88	2	2	2					94	diatom ooze
1091	B	9	H	2	94	GF	x			1													1	2		97								99	diatom ooze
1091	B	9	H	3	27	GF	x			1													1	2		96	1							99	diatom ooze
1091	B	10	H	2	65	DW	x			7													7			91	1		1					93	diatom ooze
1091	B	10	H	3	65	DW	x			9													9	3		86	1		1					91	diatom ooze
1091	B	10	H	4	79	DW		x		10													10	5		83	1		1					90	mud-bearing diatom ooze
1091	B	10	H	5	29	DW	x			5													5	50	5	40								95	diatom nannofossil ooze
1091	B	11	H	1	90	DW	x			3													3	37	20	37	2		1					97	diatom calcareous ooze
1091	B	11	H	2	95	DW	x			2													2	45	10	38	3		2					98	diatom calcareous ooze
1091	B	11	H	3	65	DW	x			2													2			93	3		2					98	diatom ooze
1091	B	11	H	4	70	DW	x			10													10	10	5	70	2		3					90	mud- and nannofossil-bearing diatom ooze
1091	B	12	H	1	112	GF	x			2													2	30	20	44	3		1					98	diatom calcareous ooze
1091	B	12	H	2	61	GF		x		2													2	30	20	44	3		1					98	diatom calcareous ooze
1091	B	12	H	3	69	GF	x			2													2	64	10	20	1		3					98	foraminifer- and diatom-bearing nannofossil ooze
1091	B	12	H	5	50	GF	x			2													2			92	1		5					98	diatom ooze
1091	B	13	H	1	112	DW	x			7													7			89	1		3					93	diatom ooze
1091	B	13	H	2	116	DW	x			2													2	35	20	39	1		3					98	diatom calcareous ooze
1091	B	13	H	3	114	GF	x			9													9	5	2	80	1		3					91	diatom ooze
1091	B	13	H	4	115	DW	x			2													2	2		92	1		3					98	diatom ooze
1091	B	13	H	6	125	DW	x			2													2	5	10	76	3		4					98	calcareous-bearing diatom ooze
1091	B	14	H	2	48	GF	x			3													3			91	1		5					97	diatom ooze
1091	B	14	H	2	106	GF	x			2													2	50		46			2					98	diatom nannofossil ooze
1091	B	14	H	3	73	GF	x			5													5	8		85			2					95	diatom ooze
1091	B	15	H	2	63	GF	x			7													7	45	10	36			2					93	diatom calcareous ooze
1091	B	15	H	6	74	GF	x			5													5			92		1	2					95	diatom ooze

Sample number									Size		Composition - Siliciclastic													Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1091	B	16	H	1	34	SK	x			5													5	40	15	35	5	tr						95	foraminfer-bearing diatom nannofossil ooze
1091	B	16	H	2	55	SK	x			15													15			80	5	tr						85	mud-bearing diatom ooze
1091	B	16	H	3	128	SK		x		9													9			91		tr						91	diatom ooze
1091	B	16	H	4	79	SK		x		5													5	9	2	80	4	tr						95	diatom ooze
1091	B	17	H	1	20	SK		x		13													13			85	2	tr						87	mud-bearing diatom ooze
1091	B	17	H	1	130	SK		x		5													5			90	5							95	diatom ooze
1091	B	17	H	3	18	SK	x			5													5	35	10	40	10							95	radiolarian and foraminifer-bearing nannofossil diatom ooze
1091	B	17	H	3	110	SK		x		9													9	11	15	60	5							91	nannofossil and foraminifer-bearing diatom ooze
1091	B	17	H	4	125	SK	x			7													7	3		90								93	diatom ooze
1091	B	18	H	1	101	AK		x		3									2				5	50	8	28	tr	tr						86	diatom nannofossil ooze
1091	B	18	H	2	130	AK	x			8											1		9			91								91	diatom ooze
1091	B	18	H	4	60	AK	x			10													10			88	2							90	mud-bearing diatom ooze
1091	B	18	H	4	110	AK	x			13													13			87	tr	tr						87	mud-bearing diatom ooze
1091	B	19	H	1	110	SK	x			9													9	11	10	65	5	tr						91	foraminfer and nannofossil-bearing diatom ooze
1091	B	19	H	3	20	SK		x		5													5	25	10	55	5	tr						95	foraminfer-bearing nannofossil diatom ooze
1091	B	19	H	5	30	SK		x		5													5	35	17	40	3	tr						95	foraminfer-bearing nannofossil diatom ooze
1091	B	19	H	5	41	AK		x	5														5	tr	80	15								95	diatom-bearing foraminfer ooze with sand
1091	B	20	H	1	49	SK	x			2													2			93	4	1						98	diatom ooze
1091	B	20	H	2	69	SK	x			15													15	8	10	65	2	tr						85	foraminifer- and mud-bearing diatom ooze
1091	B	20	H	2	145	SK		x		5													5	35	10	45	3	2						95	foraminifer-bearing nannofossil diatom ooze
1091	B	20	H	3	54	SK		x		8													8	30	10	50	tr	2						92	foraminifer-bearing nannofossil diatom ooze
1091	B	20	H	3	124	SK		x		15													15	7	10	65	2	1						85	foraminifer- and mud-bearing diatom ooze
1091	B	21	H	3	30	BD	x			8													8			92	tr	tr						92	diatom ooze
1091	B	21	H	4	5	BD	x			5													5	40	10	45	tr							95	foraminifer-bearing nannofossil diatom ooze
1091	B	21	H	5	10	BD	x			3													3			97	tr	tr						97	diatom ooze
1091	B	21	H	6	8	BD		x		100													100			tr								0	terrigenous mud
1091	B	22	H	1	2	BD		x		8													8			92	tr	tr						92	diatom ooze
1091	B	22	H	3	61	BD	x			9													9			90	1	tr						91	diatom ooze
1091	B	22	H	6	27	BD		x		2													2			98	tr	tr						98	diatom ooze
1091	B	23	H	3	40	SK	x			17													17			80	3	tr						83	mud-bearing diatom ooze
1091	B	23	H	4	113	SK	x			27													27		tr	70	2	1						73	mud diatom ooze
1091	B	23	H	5	25	SK		x		11									5				16	9	15	60	tr	tr						84	mud- and foraminifer-bearing diatom ooze
1091	B	24	H	1	44	DW	x			5													5	7	3	83	1		1					95	calcareous-bearing diatom ooze
1091	B	24	H	2	60	DW	x			5													5	58	5	30	1		1					95	diatom-bearing nannofossil ooze
1091	B	25	H	1	140	DW	x			7													7	2		90	1							93	diatom ooze
1091	B	25	H	4	40	DW	x			5													5			90	2		3					95	diatom ooze
1091	B	25	H	4	114	DW	x			2													2	1	1	96								98	diatom ooze
1091	B	26	H	1	140	DW	x			3													3			94	1		2					97	diatom ooze
1091	B	26	H	3	90	DW	x			4													4			93	1		2					96	diatom ooze
1091	B	26	H	4	89	DW		x		5													5	47	20	25	1		2					95	diatom calcareous ooze
1091	B	26	H	4	131	DW	x			7													7			89	1		3					93	diatom ooze

Sample number									Size		Composition - Siliciclastic												Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1091	B	27	H	2	70	DW	x			5													5	1	1	90	1		2					95	diatom ooze
1091	B	27	H	3	6	DW		x		3													3	25	45	27								97	diatom calcareous ooze
1091	B	27	H	3	34	DW	x			4													4			93			3					96	diatom ooze
1091	B	27	H	4	31	DW	x			5													5	1		94								95	diatom ooze
1091	B	29	H	1	40	DW	x			3													3	49	9	36	1		2					97	diatom calcareous ooze
1091	B	29	H	2	90	DW	x			2										1			3	1		96								97	diatom ooze
1091	C	1	H	1	50	DW	x			5													5			92	1		2					95	diatom ooze
1091	C	1	H	1	140	DW	x			14										1			15			85								85	mud-bearing diatom ooze
1091	D	1	H	1	50	DW	x			2													2	2		93	2	1						98	diatom ooze
1091	D	1	H	1	140	DW	x			3													3	3		93	1							97	diatom ooze
1091	D	1	H	2	145	DW	x			3													3	15	5	75		1	1					97	nannofossil-bearing diatom ooze
1091	D	3	H	1	110	DW	x			1													1	1		98								99	diatom ooze
1091	D	3	H	2	147	DW	x			5													5	45	15	35								95	diatom calcareous ooze
1091	D	3	H	3	80	DW	x			5													5	35	20	37	1		2					95	diatom calcareous ooze
1091	D	4	H	1	90	GF	x			7													7			90	1		2					93	diatom ooze
1091	D	4	H	2	107	GF	x			7													7			90	1		2					93	diatom ooze
1091	D	5	H	1	50	GF	x			5													5	10		77	6		2					95	nannofossil-bearing diatom ooze
1091	D	5	H	2	38	GF	x			5													5	40	15	40								95	diatom calcareous ooze
1091	D	6	H	4	40	GF	x			15													15	1		81	1		2					85	mud-bearing diatom ooze
1091	D	7	H	1	145	DW	x			20											1		21	5		69	2		3					79	mud-bearing diatom ooze
1091	D	7	H	3	110	DW	x			3													3			94	1		2					97	diatom ooze
1091	D	8	H	3	108	GF	x			3													3	40	5	50	2							97	nannofossil-bearing diatom ooze
1091	D	8	H	5	40	GF	x			2													2	4		89	5							98	diatom ooze
1091	D	11	H	1	30	BD	x			tr													0	40	20	35	5							100	foraminifer-bearing diatom nannofossil ooze
1091	D	11	H	2	20	BD	x			3													3	40	5	50	2							97	nannofossil diatom ooze
1091	D	11	H	2	90	BD	x			8													8			90	2							92	diatom ooze
1091	D	11	H	3	120	BD	x			2													2	10	20	67	1							98	nannofossil- and foraminifer-bearing diatom ooze
1091	D	16	H	2	70	BD	x			8													8			92								92	diatom ooze
1091	D	16	H	2	130	BD	x			5													5	25	10	60								95	foraminifer-bearing nannofossil diatom ooze
1091	D	16	H	2	140	BD	x			2													2	5	50	43								98	diatom foraminifer ooze
1091	D	16	H	5	114	BD		x		tr													0	15	5	80								100	nannofossil-bearing diatom ooze
1091	D	22	H	1	110	GF	x			10													10			87	1		2					90	mud-bearing diatom ooze
1091	D	22	H	3	110	GF	x			2													2	9		87			2					98	diatom ooze
1091	D	22	H	5	110	GF	x			6													6	5		85	2	1	1					94	diatom ooze