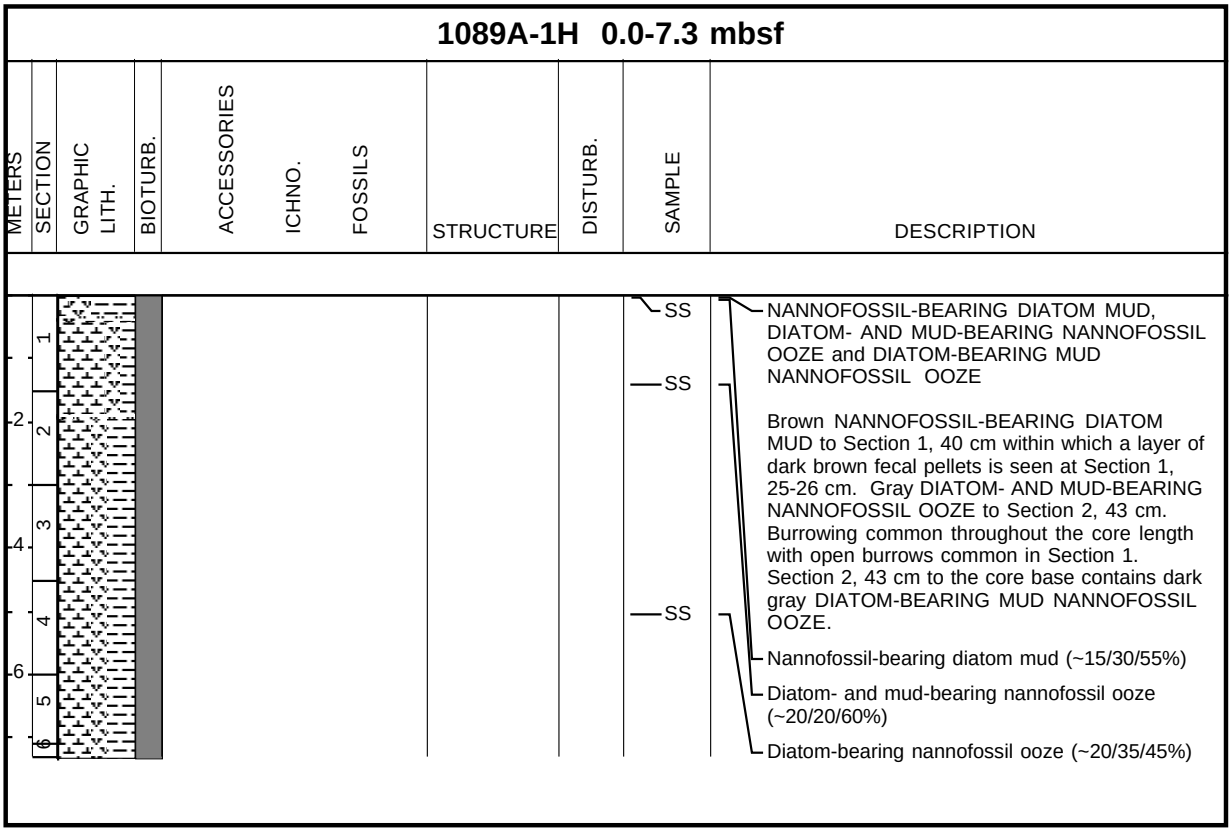
Core Photo


1089A-1H 0.0-7.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
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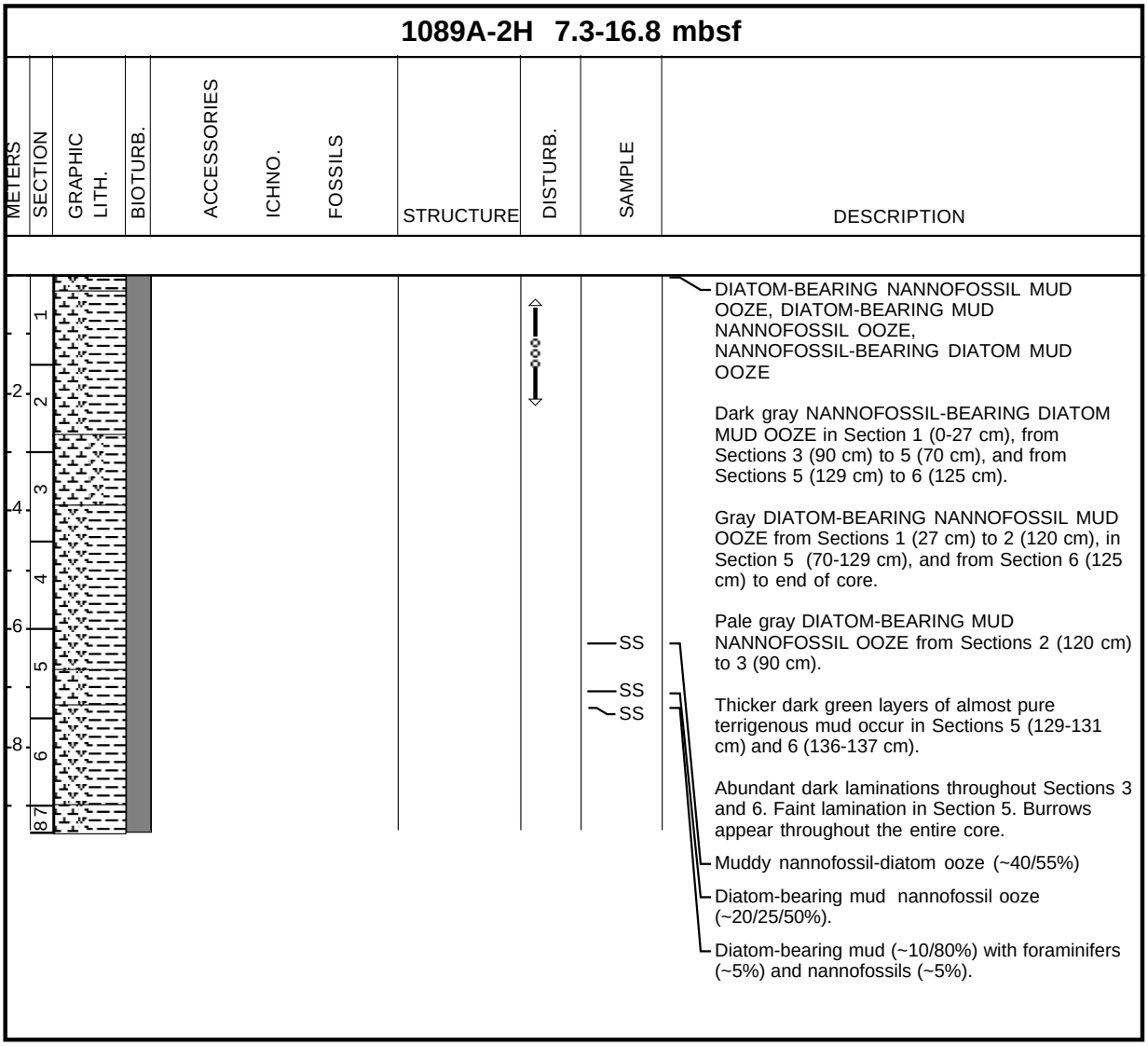
NANNOFOSSIL-BEARING DIATOM MUD, DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING MUD NANNOFOSSIL OOZE
Brown NANNOFOSSIL-BEARING DIATOM MUD to Section 1, 40 cm within which a layer of dark brown fecal pellets is seen at Section 1, 25-26 cm. Gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE to Section 2, 43 cm. Burrowing common throughout the core length with open burrows common in Section 1. Section 2, 43 cm to the core base contains dark gray DIATOM-BEARING MUD NANNOFOSSIL OOZE.
Nannofossil-bearing diatom mud (~15/30/55%)
Diatom- and mud-bearing nannofossil ooze (~20/20/60%)
Diatom-bearing nannofossil ooze (~20/35/45%)

Core Photo


1089A-2H 7.3-16.8 mbsf
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GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
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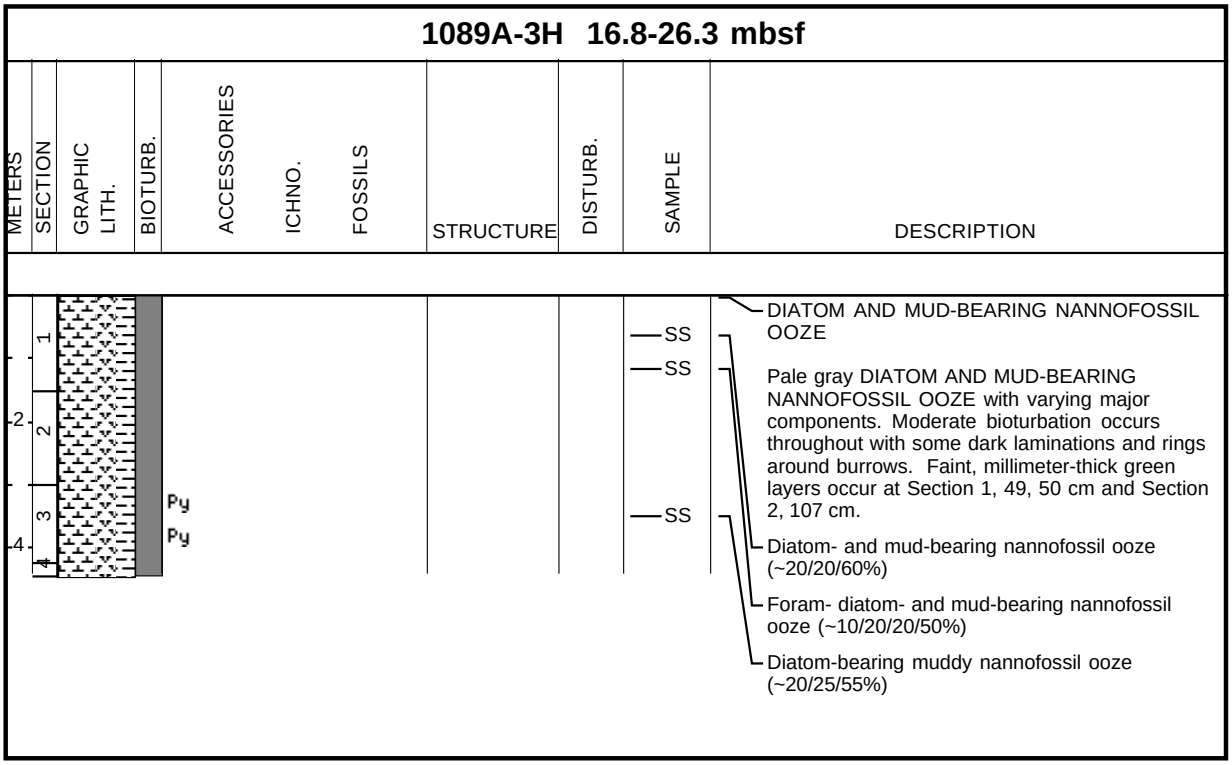
DIATOM-BEARING NANNOFOSSIL MUD OOZE, DIATOM-BEARING MUD NANNOFOSSIL OOZE, NANNOFOSSIL-BEARING DIATOM MUD OOZE
Dark gray NANNOFOSSIL-BEARING DIATOM MUD OOZE in Section 1 (0-27 cm), from Sections 3 (90 cm) to 5 (70 cm), and from Sections 5 (129 cm) to 6 (125 cm).
Gray DIATOM-BEARING NANNOFOSSIL MUD OOZE from Sections 1 (27 cm) to 2 (120 cm), in Section 5 (70-129 cm), and from Section 6 (125 cm) to end of core.
Pale gray DIATOM-BEARING MUD NANNOFOSSIL OOZE from Sections 2 (120 cm) to 3 (90 cm).
Thicker dark green layers of almost pure terrigenous mud occur in Sections 5 (129-131 cm) and 6 (136-137 cm).
Abundant dark laminations throughout Sections 3 and 6. Faint lamination in Section 5. Burrows appear throughout the entire core.
Muddy nannofossil-diatom ooze (~40/55%)
Diatom-bearing mud nannofossil ooze (~20/25/50%).
Diatom-bearing mud (~10/80%) with foraminifers (~5%) and nannofossils (~5%).

Core Photo


1089A-3H 16.8-26.3 mbsf
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BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
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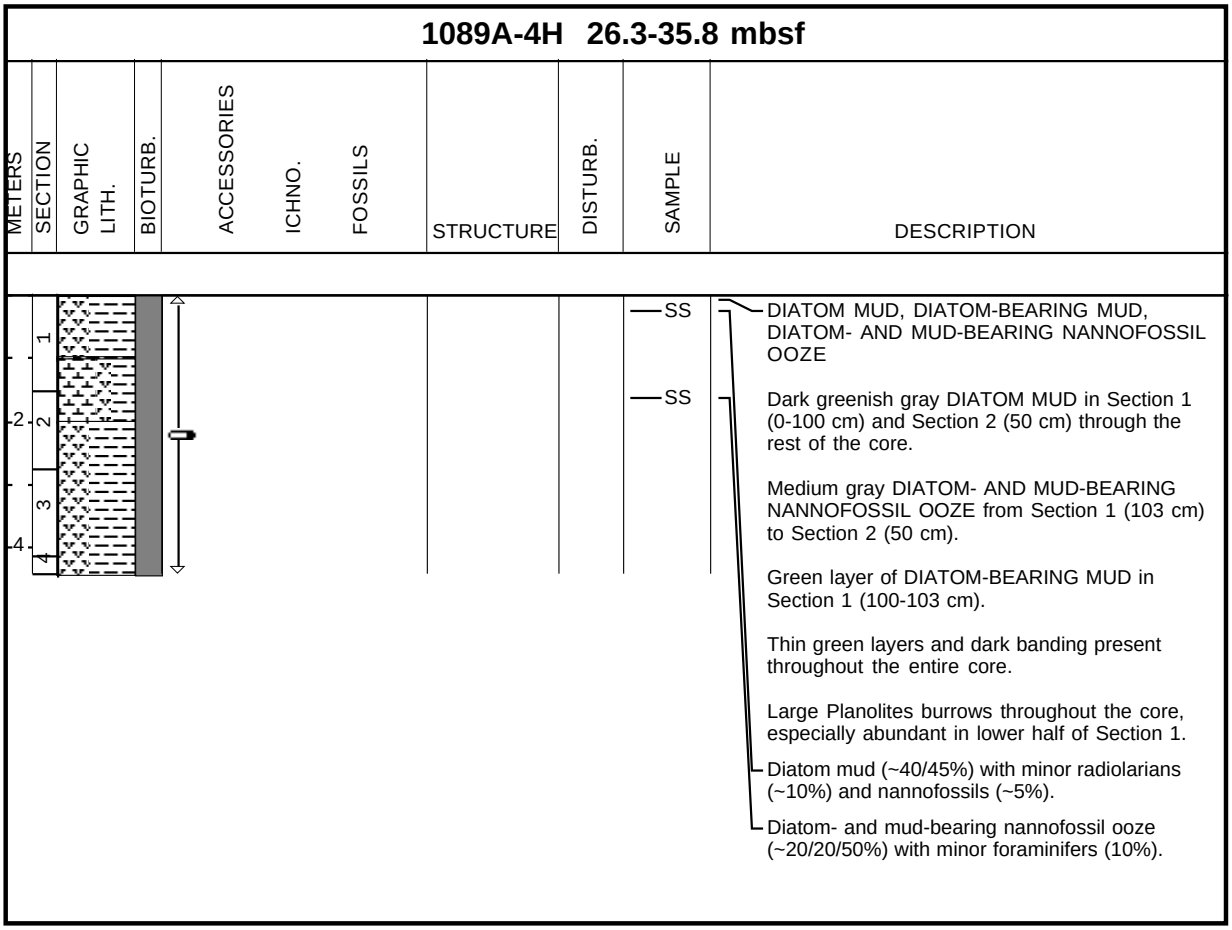
DIATOM AND MUD-BEARING NANNOFOSSIL OOZE
Pale gray DIATOM AND MUD-BEARING NANNOFOSSIL OOZE with varying major components. Moderate bioturbation occurs throughout with some dark laminations and rings around burrows. Faint, millimeter-thick green layers occur at Section 1, 49, 50 cm and Section 2, 107 cm.
Diatom- and mud-bearing nannofossil ooze (~20/20/60%)
Foram- diatom- and mud-bearing nannofossil ooze (~10/20/20/50%)
Diatom-bearing muddy nannofossil ooze (~20/25/55%)

Core Photo


1089A-4H 26.3-35.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
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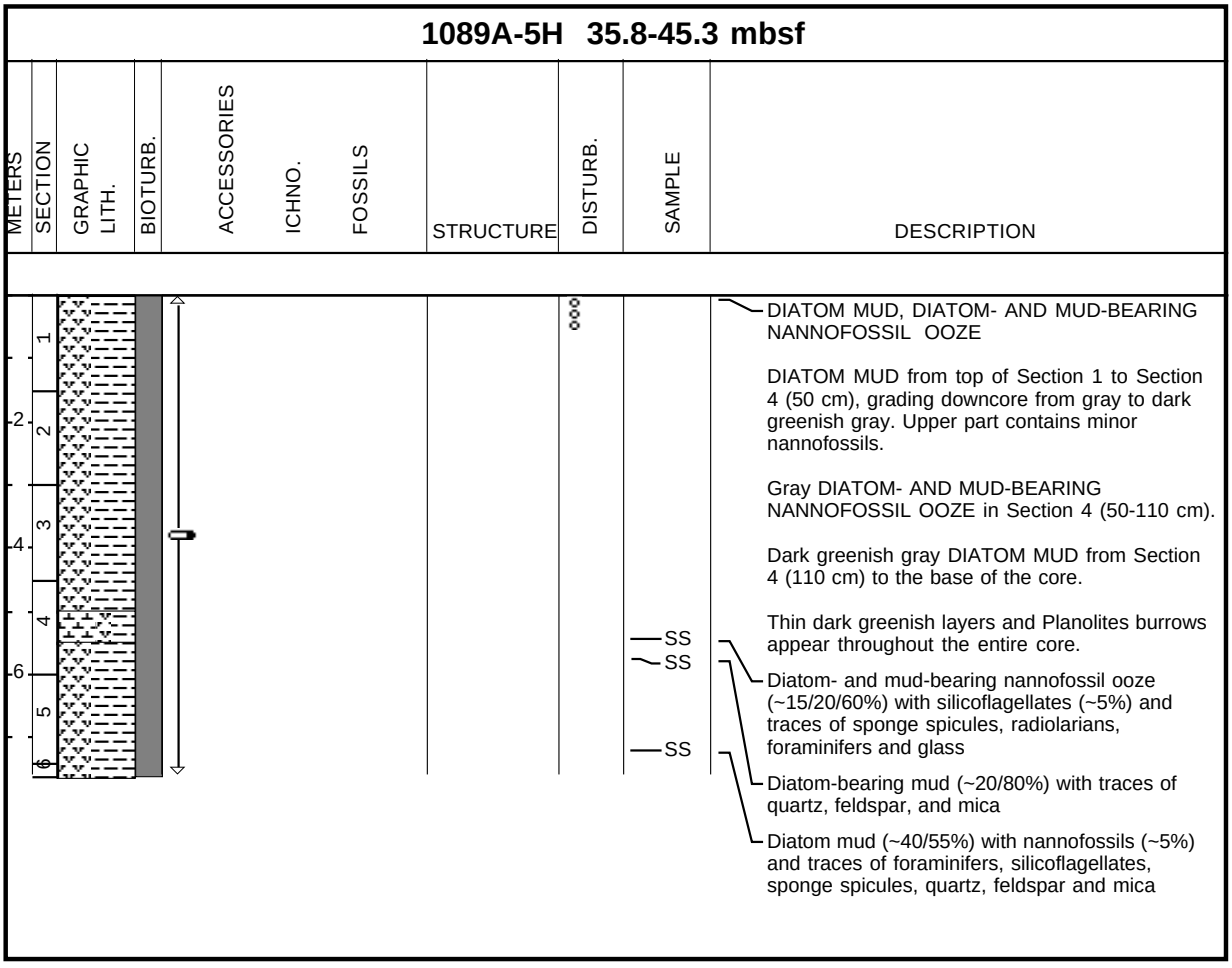
DIATOM MUD, DIATOM-BEARING MUD, DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE
Dark greenish gray DIATOM MUD in Section 1 (0-100 cm) and Section 2 (50 cm) through the rest of the core.
Medium gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE from Section 1 (103 cm) to Section 2 (50 cm).
Green layer of DIATOM-BEARING MUD in Section 1 (100-103 cm).
Thin green layers and dark banding present throughout the entire core.
Large Planolites burrows throughout the core, especially abundant in lower half of Section 1.
Diatom mud (~40/45%) with minor radiolarians (~10%) and nannofossils (~5%).
Diatom- and mud-bearing nannofossil ooze (~20/20/50%) with minor foraminifers (10%).

Core Photo


1089A-5H 35.8-45.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
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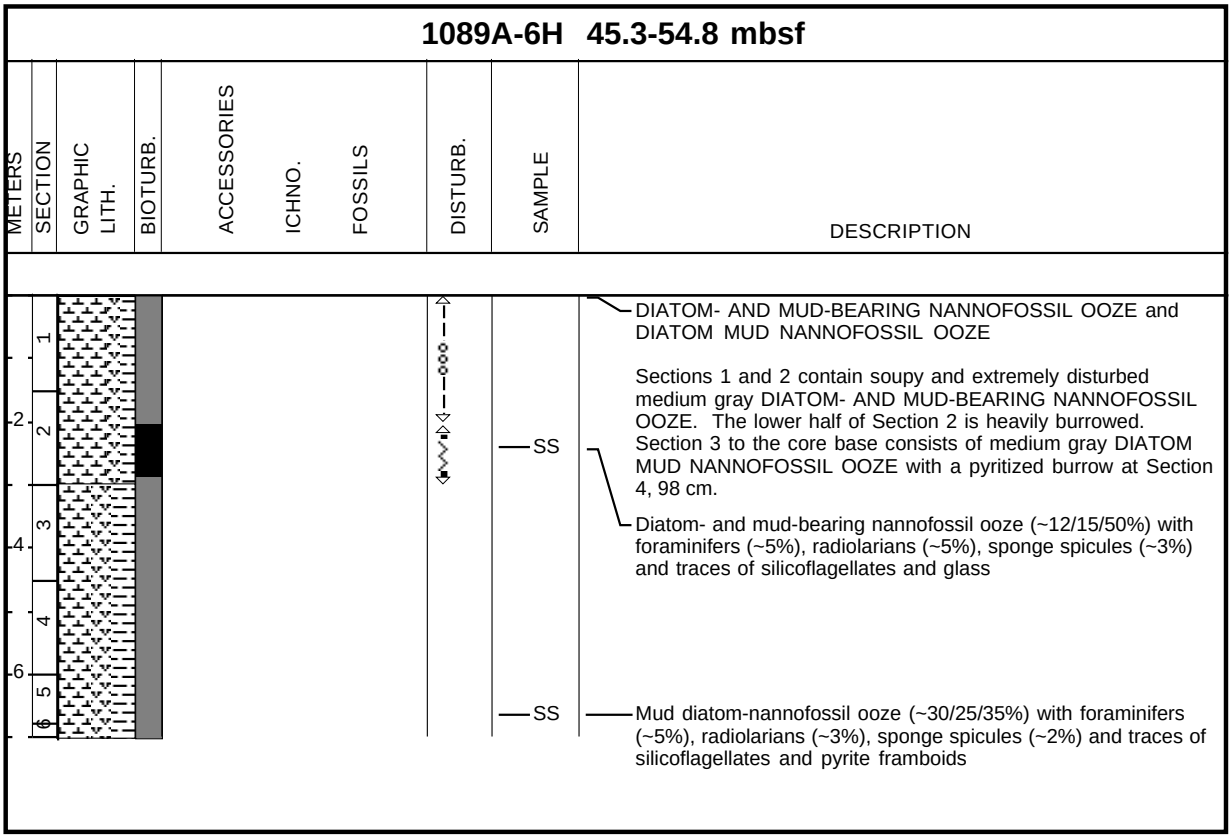
DIATOM MUD, DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE
DIATOM MUD from top of Section 1 to Section 4 (50 cm), grading downcore from gray to dark greenish gray. Upper part contains minor nannofossils.
Gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE in Section 4 (50-110 cm).
Dark greenish gray DIATOM MUD from Section 4 (110 cm) to the base of the core.
Thin dark greenish layers and Planolites burrows appear throughout the entire core.
Diatom- and mud-bearing nannofossil ooze (~15/20/60%) with silicoflagellates (~5%) and traces of sponge spicules, radiolarians, foraminifers and glass
Diatom-bearing mud (~20/80%) with traces of quartz, feldspar, and mica
Diatom mud (~40/55%) with nannofossils (~5%) and traces of foraminifers, silicoflagellates, sponge spicules, quartz, feldspar and mica

Core Photo


1089A-6H 45.3-54.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
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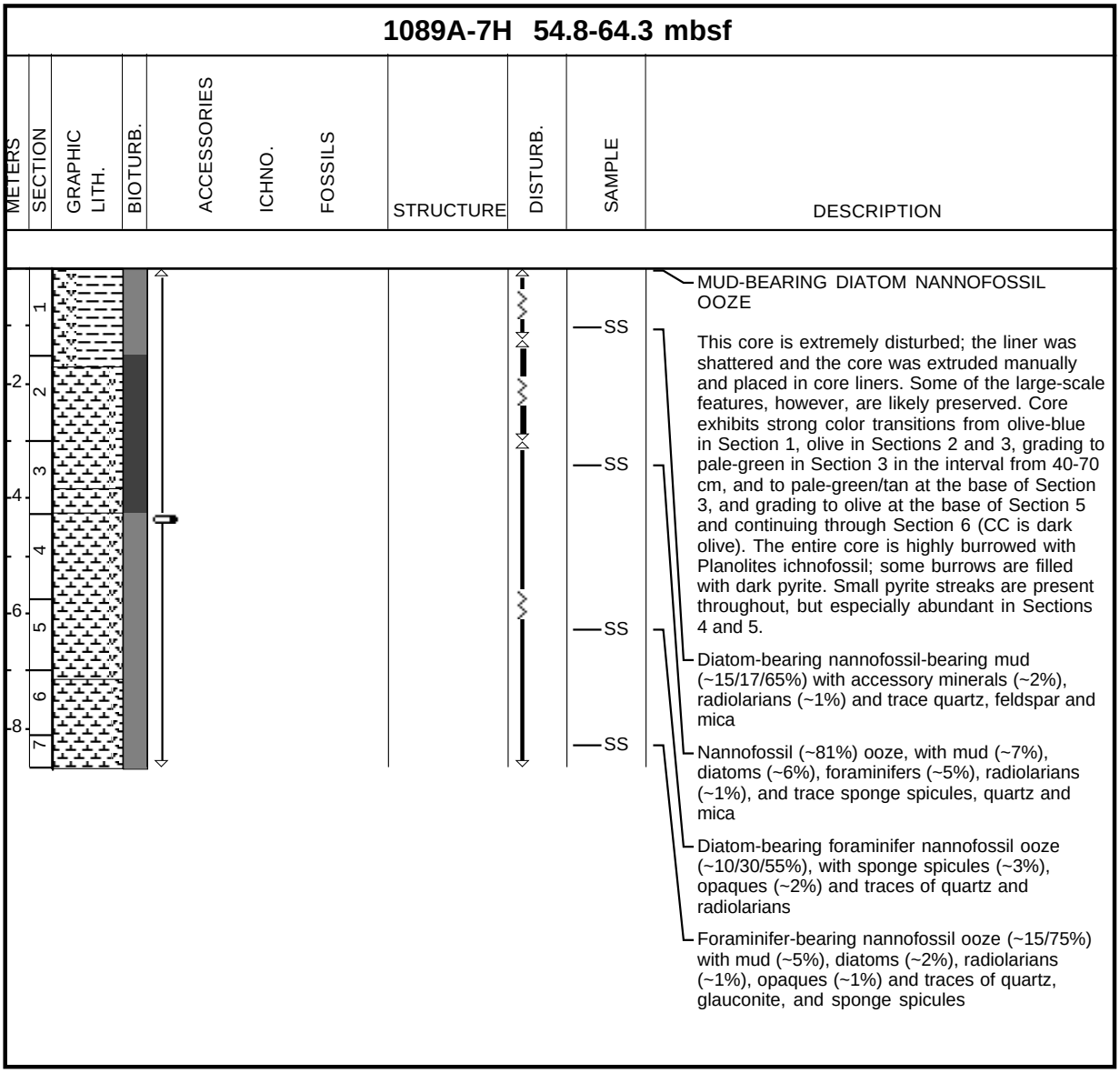
DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE and DIATOM MUD NANNOFOSSIL OOZE
Sections 1 and 2 contain soupy and extremely disturbed medium gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE. The lower half of Section 2 is heavily burrowed. Section 3 to the core base consists of medium gray DIATOM MUD NANNOFOSSIL OOZE with a pyritized burrow at Section 4, 98 cm.
Diatom- and mud-bearing nannofossil ooze (~12/15/50%) with foraminifers (~5%), radiolarians (~5%), sponge spicules (~3%) and traces of silicoflagellates and glass
Mud diatom-nannofossil ooze (~30/25/35%) with foraminifers (~5%), radiolarians (~3%), sponge spicules (~2%) and traces of silicoflagellates and pyrite framboids

Core Photo


1089A-7H 54.8-64.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
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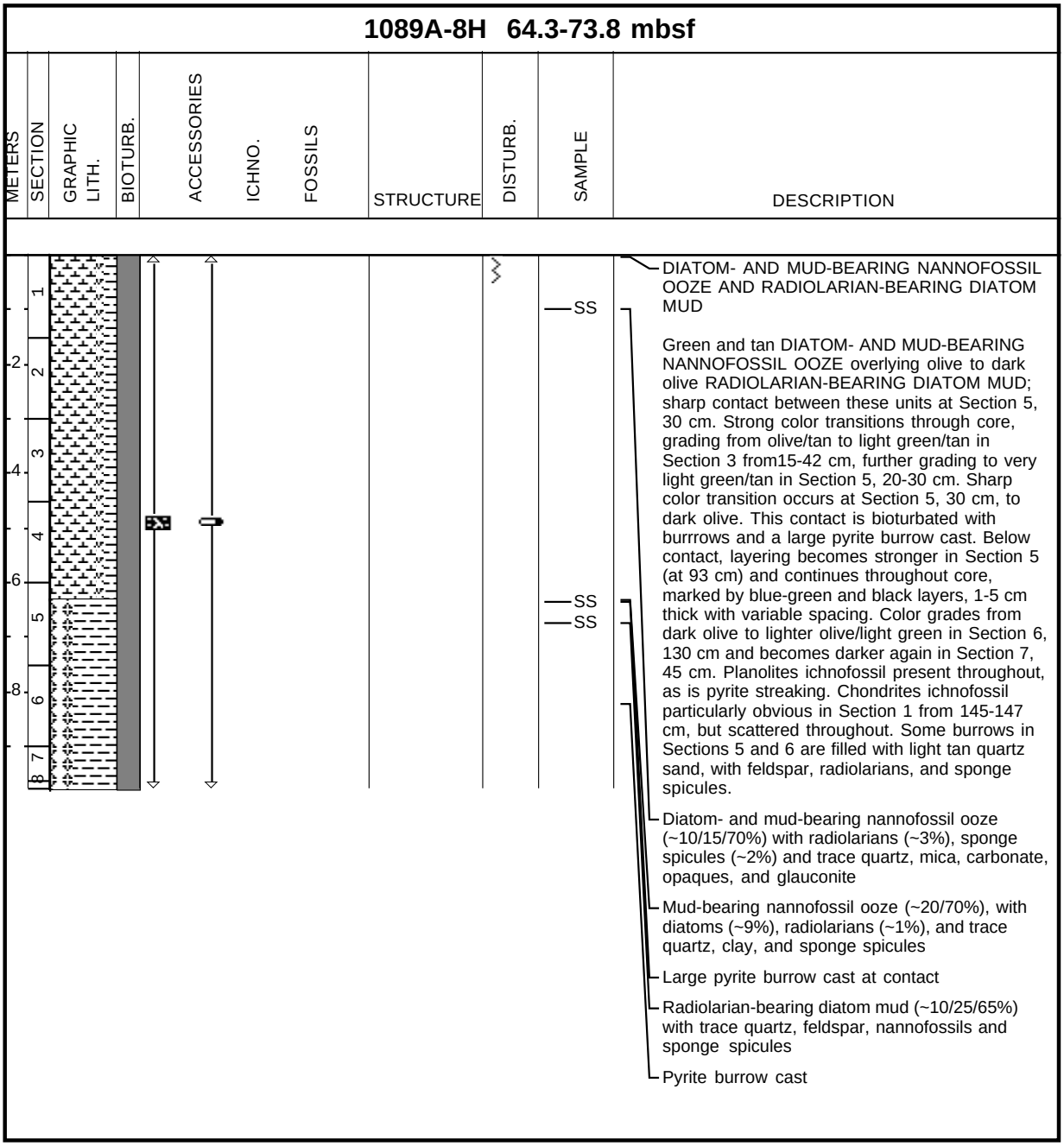
MUD-BEARING DIATOM NANNOFOSSIL OOZE
This core is extremely disturbed; the liner was shattered and the core was extruded manually and placed in core liners. Some of the large-scale features, however, are likely preserved. Core exhibits strong color transitions from olive-blue in Section 1, olive in Sections 2 and 3, grading to pale-green in Section 3 in the interval from 40-70 cm, and to pale-green/tan at the base of Section 3, and grading to olive at the base of Section 5 and continuing through Section 6 (CC is dark olive). The entire core is highly burrowed with Planolites ichnofossil; some burrows are filled with dark pyrite. Small pyrite streaks are present throughout, but especially abundant in Sections 4 and 5.
Diatom-bearing nannofossil-bearing mud (~15/17/65%) with accessory minerals (~2%), radiolarians (~1%) and trace quartz, feldspar and mica
Nannofossil (~81%) ooze, with mud (~7%), diatoms (~6%), foraminifers (~5%), radiolarians (~1%), and trace sponge spicules, quartz and mica
Diatom-bearing foraminifer nannofossil ooze (~10/30/55%), with sponge spicules (~3%), opaques (~2%) and traces of quartz and radiolarians
Foraminifer-bearing nannofossil ooze (~15/75%) with mud (~5%), diatoms (~2%), radiolarians (~1%), opaques (~1%) and traces of quartz, glauconite, and sponge spicules

Core Photo


1089A-8H 64.3-73.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
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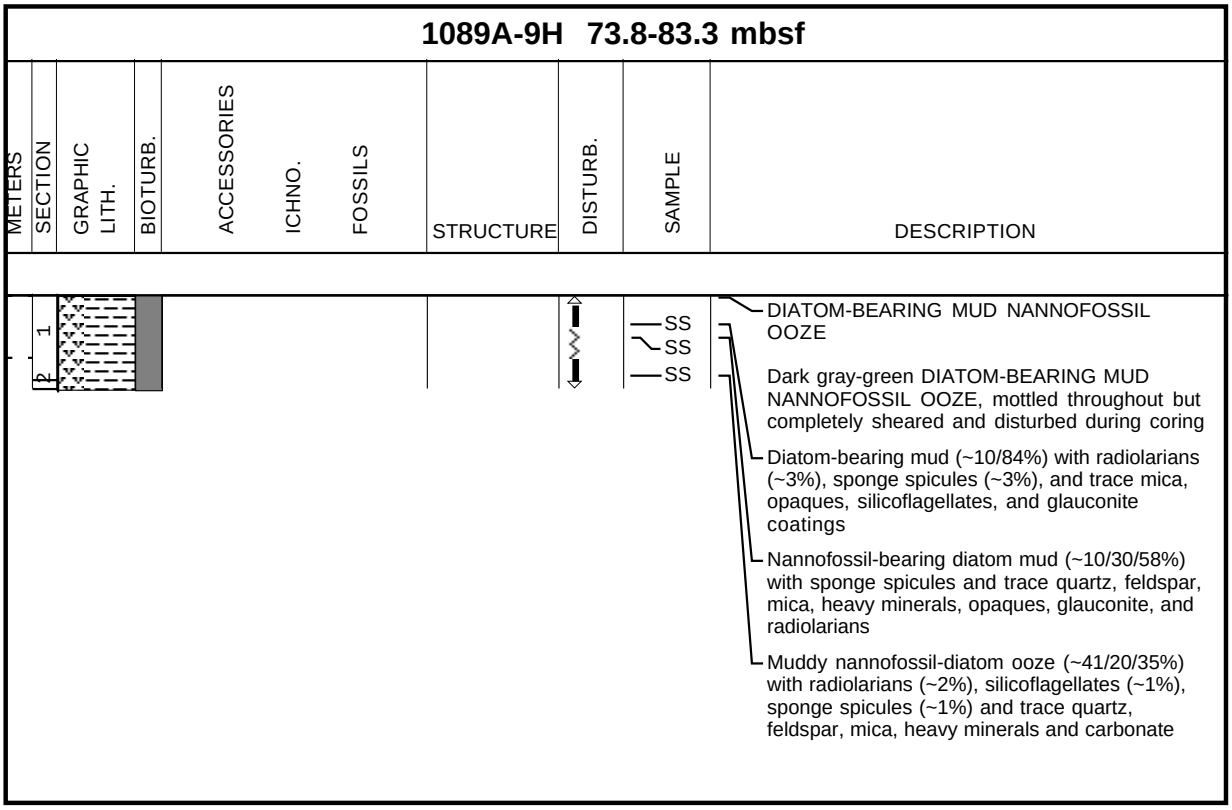
DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE AND RADIOLARIAN-BEARING DIATOM MUD
Green and tan DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE overlying olive to dark olive RADIOLARIAN-BEARING DIATOM MUD; sharp contact between these units at Section 5, 30 cm. Strong color transitions through core, grading from olive/tan to light green/tan in Section 3 from15-42 cm, further grading to very light green/tan in Section 5, 20-30 cm. Sharp color transition occurs at Section 5, 30 cm, to dark olive. This contact is bioturbated with burrrows and a large pyrite burrow cast. Below contact, layering becomes stronger in Section 5 (at 93 cm) and continues throughout core, marked by blue-green and black layers, 1-5 cm thick with variable spacing. Color grades from dark olive to lighter olive/light green in Section 6, 130 cm and becomes darker again in Section 7, 45 cm. Planolites ichnofossil present throughout, as is pyrite streaking. Chondrites ichnofossil particularly obvious in Section 1 from 145-147 cm, but scattered throughout. Some burrows in Sections 5 and 6 are filled with light tan quartz sand, with feldspar, radiolarians, and sponge spicules.
Diatom- and mud-bearing nannofossil ooze (~10/15/70%) with radiolarians (~3%), sponge spicules (~2%) and trace quartz, mica, carbonate, opaques, and glauconite
Mud-bearing nannofossil ooze (~20/70%), with diatoms (~9%), radiolarians (~1%), and trace quartz, clay, and sponge spicules
Large pyrite burrow cast at contact
Radiolarian-bearing diatom mud (~10/25/65%) with trace quartz, feldspar, nannofossils and sponge spicules
Pyrite burrow cast

Core Photo


1089A-9H 73.8-83.3 mbsf
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SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
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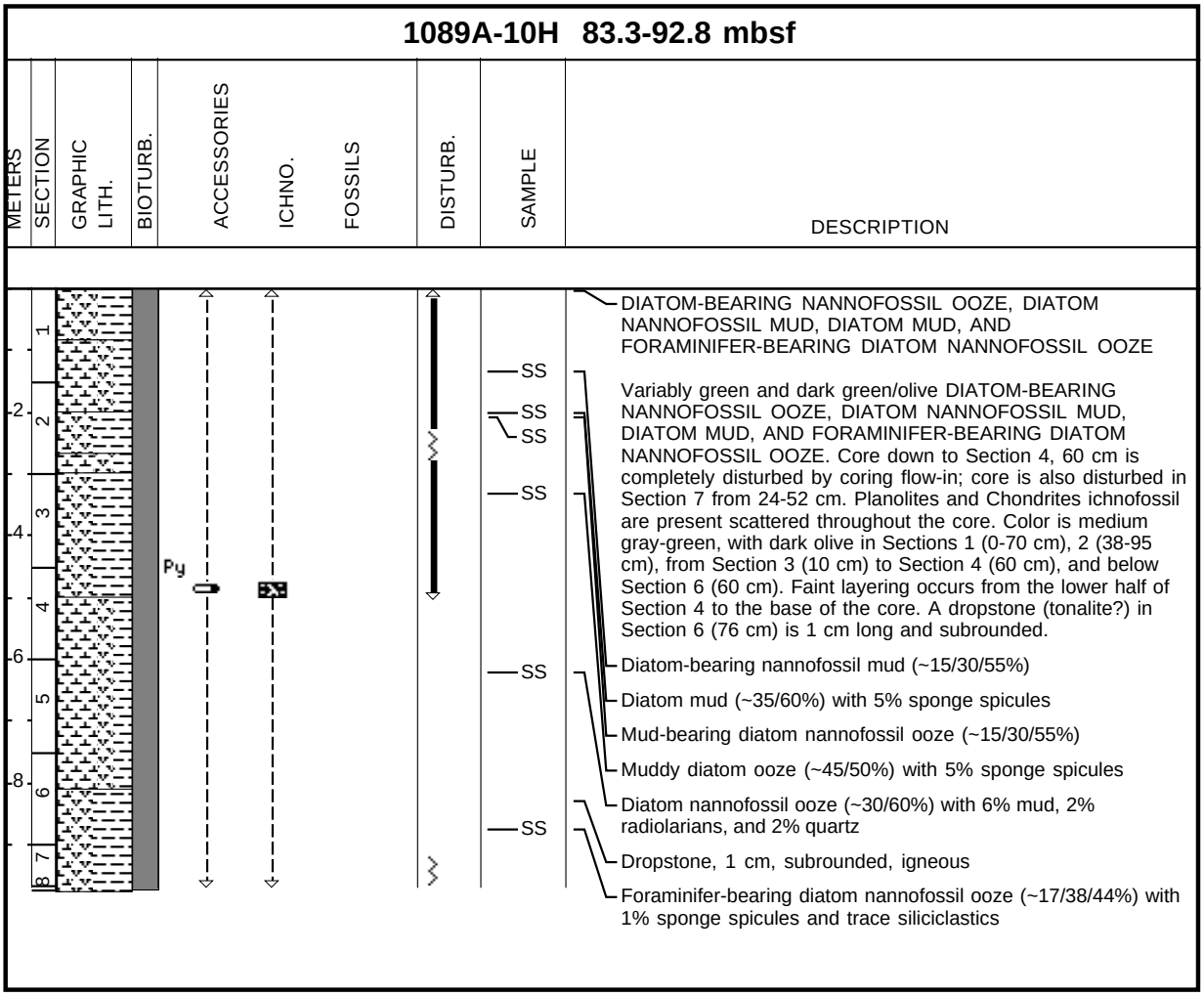
DIATOM-BEARING MUD NANNOFOSSIL OOZE
Dark gray-green DIATOM-BEARING MUD NANNOFOSSIL OOZE, mottled throughout but completely sheared and disturbed during coring
Diatom-bearing mud (~10/84%) with radiolarians (~3%), sponge spicules (~3%), and trace mica, opaques, silicoflagellates, and glauconite coatings
Nannofossil-bearing diatom mud (~10/30/58%) with sponge spicules and trace quartz, feldspar, mica, heavy minerals, opaques, glauconite, and radiolarians
Muddy nannofossil-diatom ooze (~41/20/35%) with radiolarians (~2%), silicoflagellates (~1%), sponge spicules (~1%) and trace quartz, feldspar, mica, heavy minerals and carbonate

Core Photo


1089A-10H 83.3-92.8 mbsf
METERS
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GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
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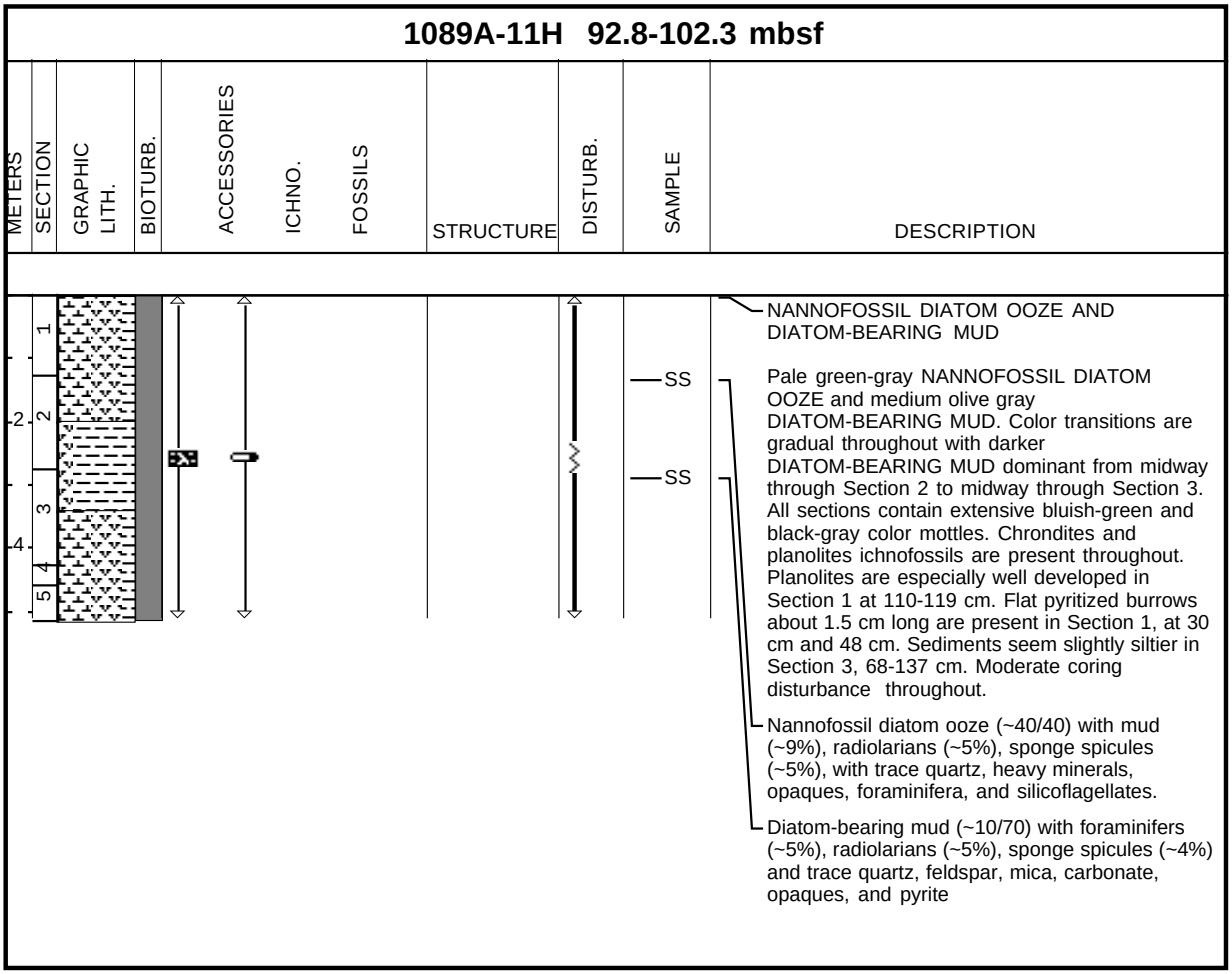
DIATOM-BEARING NANNOFOSSIL OOZE, DIATOM NANNOFOSSIL MUD, DIATOM MUD, AND FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE
Variably green and dark green/olive DIATOM-BEARING NANNOFOSSIL OOZE, DIATOM NANNOFOSSIL MUD, DIATOM MUD, AND FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE. Core down to Section 4, 60 cm is completely disturbed by coring flow-in; core is also disturbed in Section 7 from 24-52 cm. Planolites and Chondrites ichnofossil are present scattered throughout the core. Color is medium gray-green, with dark olive in Sections 1 (0-70 cm), 2 (38-95 cm), from Section 3 (10 cm) to Section 4 (60 cm), and below Section 6 (60 cm). Faint layering occurs from the lower half of Section 4 to the base of the core. A dropstone (tonalite?) in Section 6 (76 cm) is 1 cm long and subrounded.
Diatom-bearing nannofossil mud (~15/30/55%)
Diatom mud (~35/60%) with 5% sponge spicules
Mud-bearing diatom nannofossil ooze (~15/30/55%)
Muddy diatom ooze (~45/50%) with 5% sponge spicules
Diatom nannofossil ooze (~30/60%) with 6% mud, 2% radiolarians, and 2% quartz
Dropstone, 1 cm, subrounded, igneous
Foraminifer-bearing diatom nannofossil ooze (~17/38/44%) with 1% sponge spicules and trace siliciclastics

Core Photo


1089A-11H 92.8-102.3 mbsf
METERS
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GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
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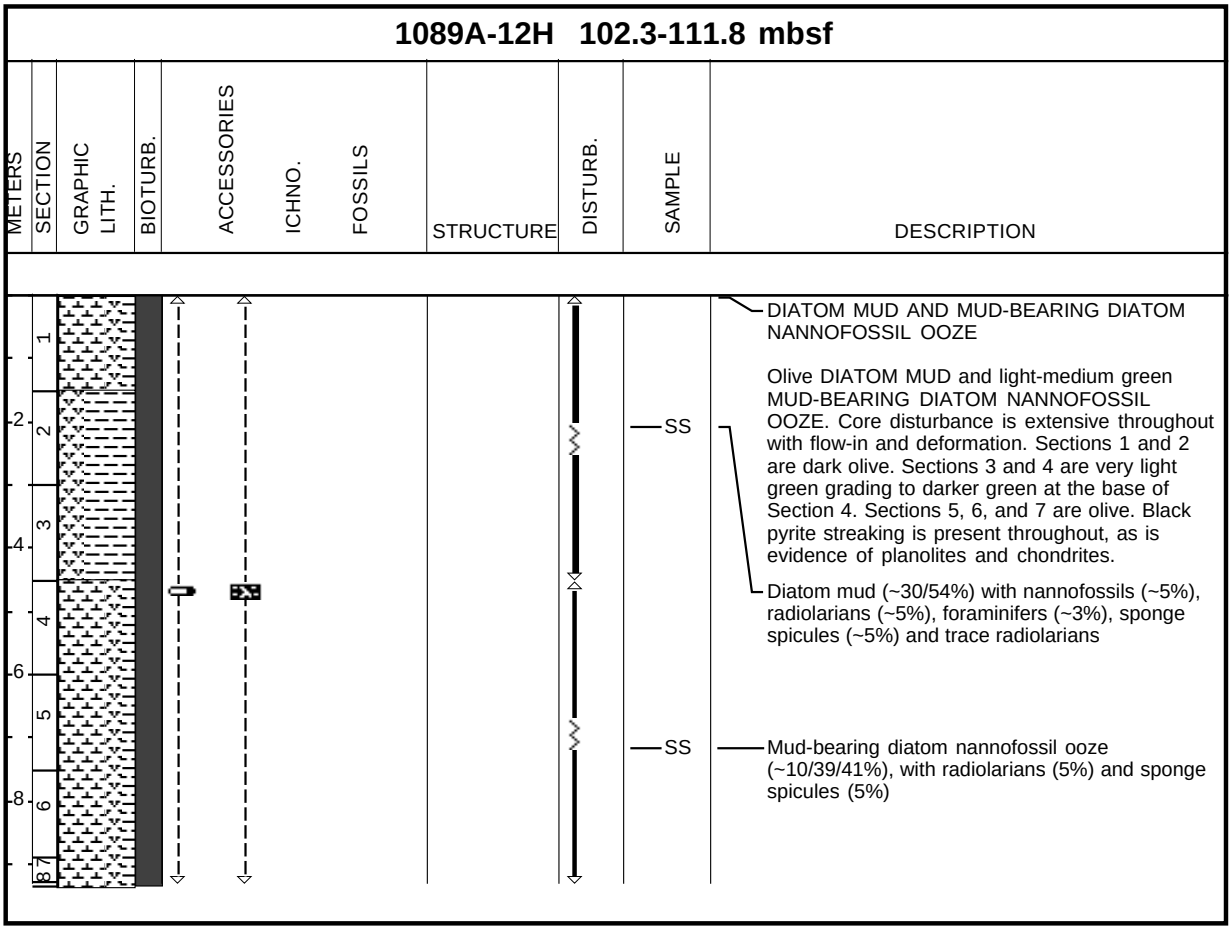
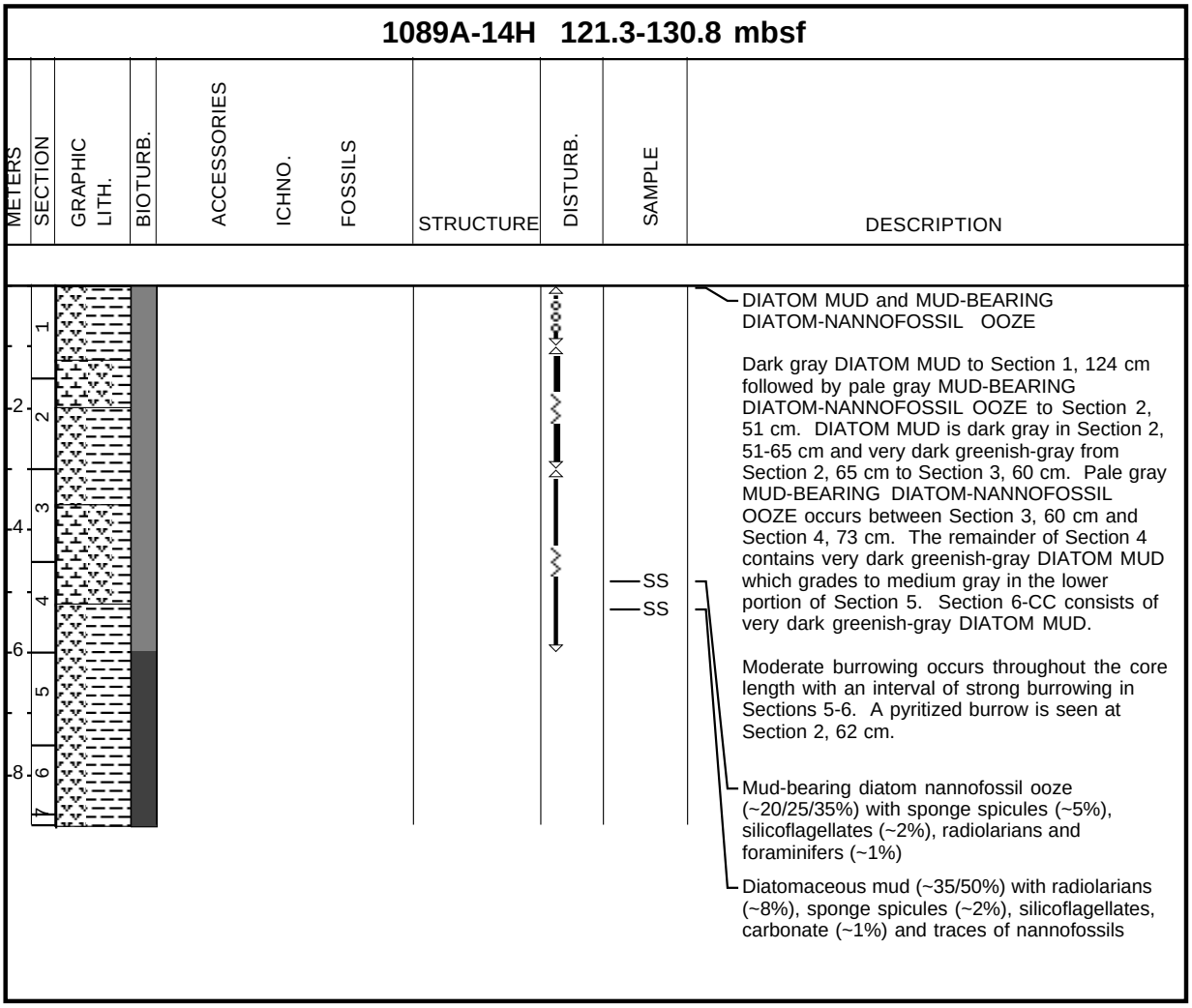
NANNOFOSSIL DIATOM OOZE AND DIATOM-BEARING MUD
Pale green-gray NANNOFOSSIL DIATOM OOZE and medium olive gray DIATOM-BEARING MUD. Color transitions are gradual throughout with darker DIATOM-BEARING MUD dominant from midway through Section 2 to midway through Section 3. All sections contain extensive bluish-green and black-gray color mottles. Chrondites and planolites ichnofossils are present throughout. Planolites are especially well developed in Section 1 at 110-119 cm. Flat pyritized burrows about 1.5 cm long are present in Section 1, at 30 cm and 48 cm. Sediments seem slightly siltier in Section 3, 68-137 cm. Moderate coring disturbance throughout.
Nannofossil diatom ooze (~40/40) with mud (~9%), radiolarians (~5%), sponge spicules (~5%), with trace quartz, heavy minerals, opaques, foraminifera, and silicoflagellates.
Diatom-bearing mud (~10/70) with foraminifers (~5%), radiolarians (~5%), sponge spicules (~4%) and trace quartz, feldspar, mica, carbonate, opaques, and pyrite

Core Photo



1089A-13H NO RECOVERY

Core Photo


1089A-14H 121.3-130.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
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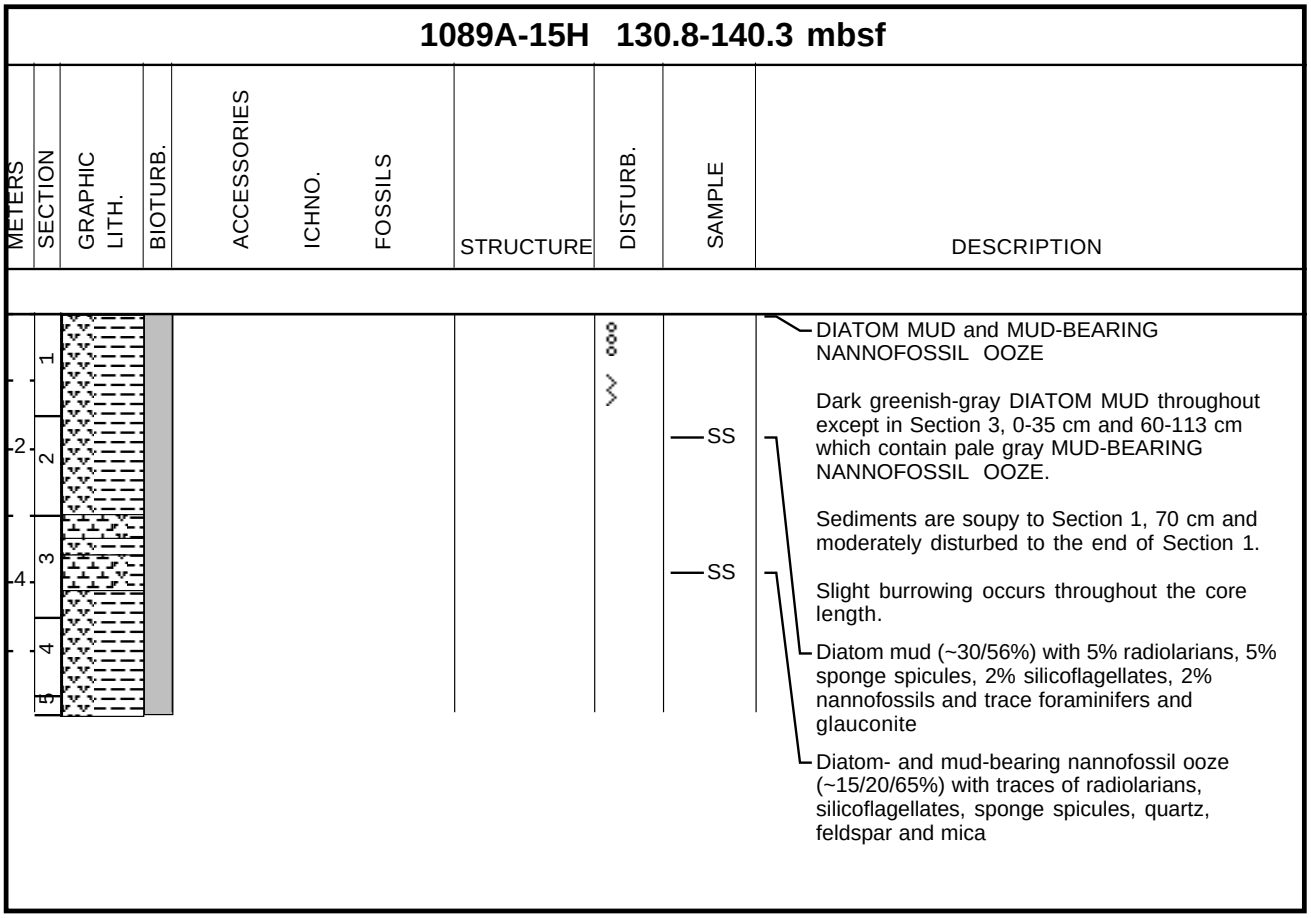
DIATOM MUD and MUD-BEARING DIATOM-NANNOFOSSIL OOZE
Dark gray DIATOM MUD to Section 1, 124 cm followed by pale gray MUD-BEARING DIATOM-NANNOFOSSIL OOZE to Section 2, 51 cm. DIATOM MUD is dark gray in Section 2, 51-65 cm and very dark greenish-gray from Section 2, 65 cm to Section 3, 60 cm. Pale gray MUD-BEARING DIATOM-NANNOFOSSIL OOZE occurs between Section 3, 60 cm and Section 4, 73 cm. The remainder of Section 4 contains very dark greenish-gray DIATOM MUD which grades to medium gray in the lower portion of Section 5. Section 6-CC consists of very dark greenish-gray DIATOM MUD.
Moderate burrowing occurs throughout the core length with an interval of strong burrowing in Sections 5-6. A pyritized burrow is seen at Section 2, 62 cm.
Mud-bearing diatom nannofossil ooze (~20/25/35%) with sponge spicules (~5%), silicoflagellates (~2%), radiolarians and foraminifers (~1%)
Diatomaceous mud (~35/50%) with radiolarians (~8%), sponge spicules (~2%), silicoflagellates, carbonate (~1%) and traces of nannofossils

Core Photo


1089A-15H 130.8-140.3 mbsf
METERS
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GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
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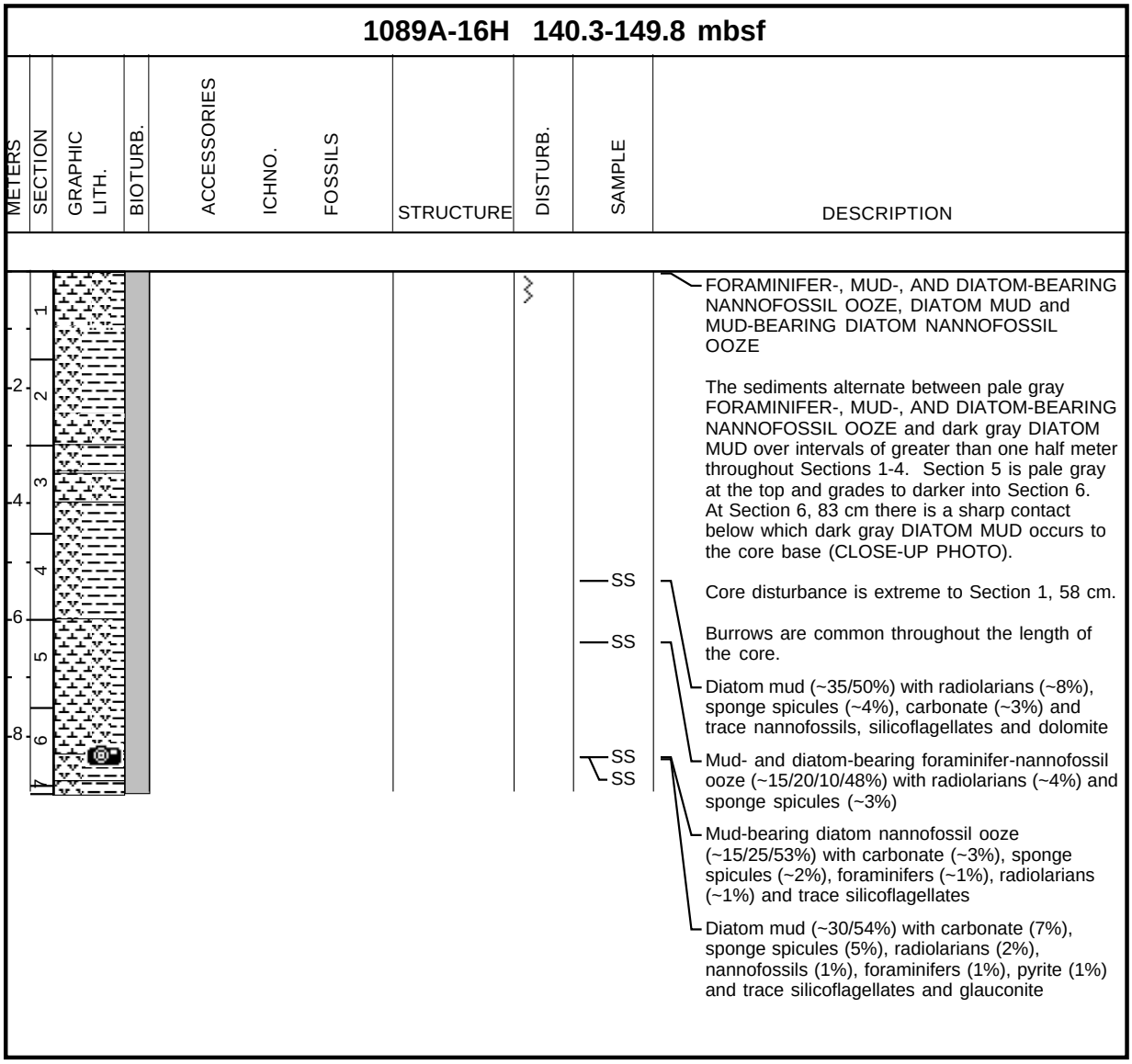
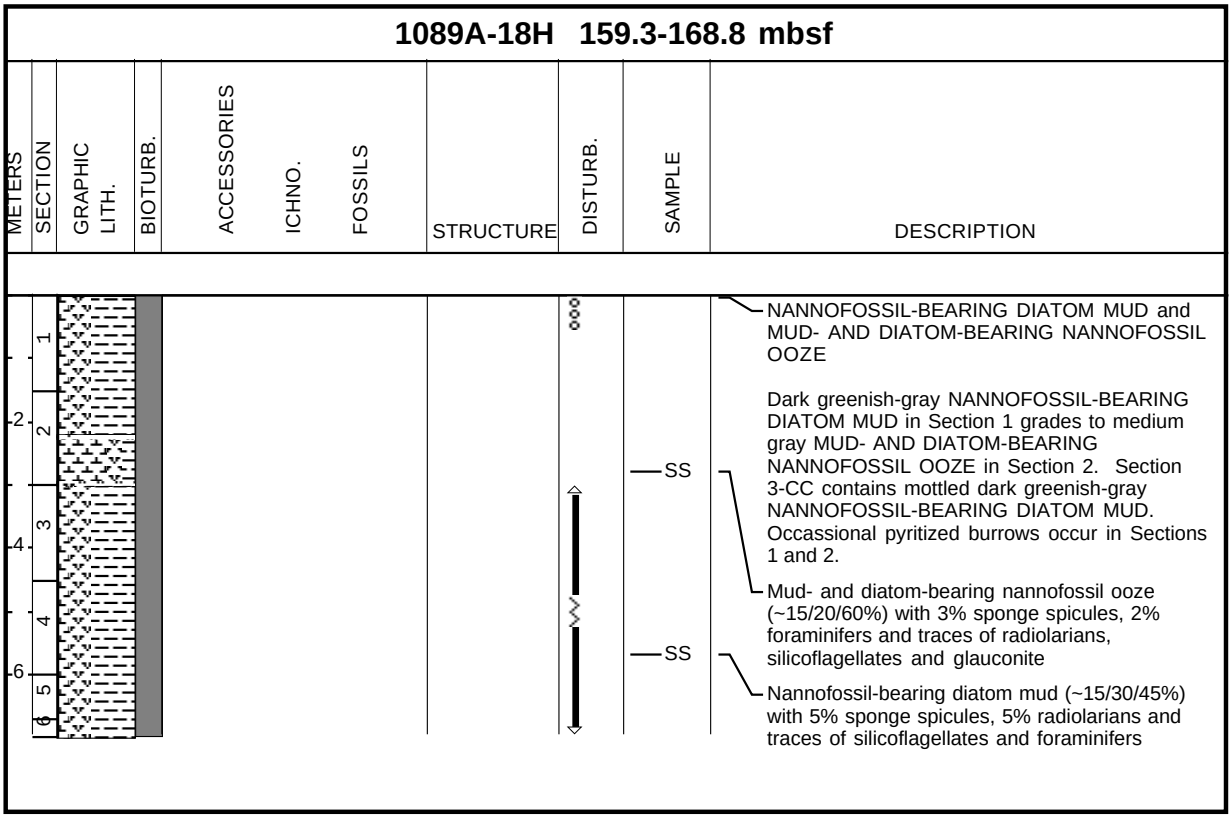
DIATOM MUD and MUD-BEARING NANNOFOSSIL OOZE
Dark greenish-gray DIATOM MUD throughout except in Section 3, 0-35 cm and 60-113 cm which contain pale gray MUD-BEARING NANNOFOSSIL OOZE.
Sediments are soupy to Section 1, 70 cm and moderately disturbed to the end of Section 1.
Slight burrowing occurs throughout the core length.
Diatom mud (~30/56%) with 5% radiolarians, 5% sponge spicules, 2% silicoflagellates, 2% nannofossils and trace foraminifers and glauconite
Diatom- and mud-bearing nannofossil ooze (~15/20/65%) with traces of radiolarians, silicoflagellates, sponge spicules, quartz, feldspar and mica

Core Photo



1089A-17H NO RECOVERY

Core Photo


1089A-18H 159.3-168.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
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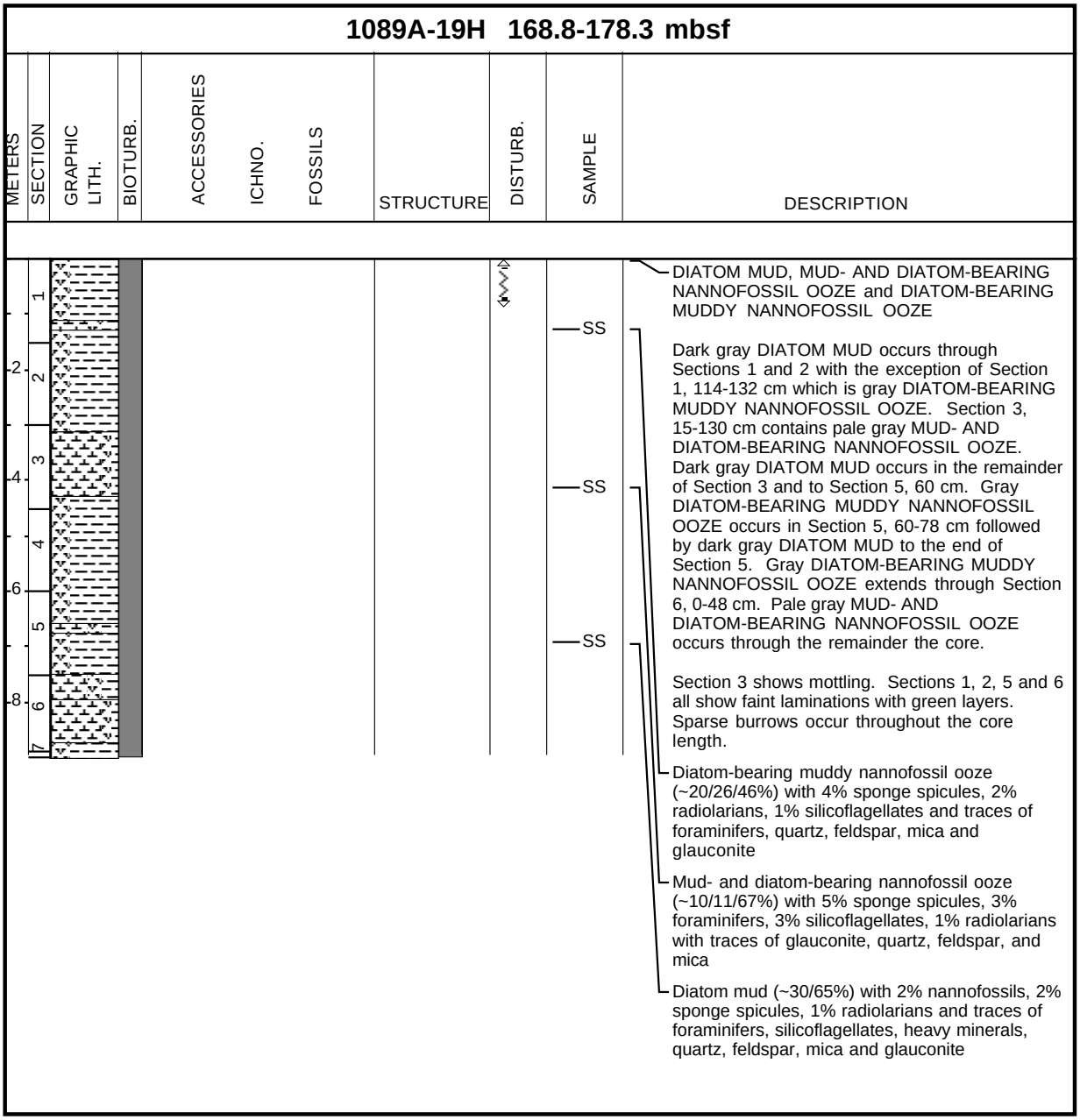
NANNOFOSSIL-BEARING DIATOM MUD and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Dark greenish-gray NANNOFOSSIL-BEARING DIATOM MUD in Section 1 grades to medium gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE in Section 2. Section 3-CC contains mottled dark greenish-gray NANNOFOSSIL-BEARING DIATOM MUD. Occassional pyritized burrows occur in Sections 1 and 2.
Mud- and diatom-bearing nannofossil ooze (~15/20/60%) with 3% sponge spicules, 2% foraminifers and traces of radiolarians, silicoflagellates and glauconite
Nannofossil-bearing diatom mud (~15/30/45%) with 5% sponge spicules, 5% radiolarians and traces of silicoflagellates and foraminifers

Core Photo


1089A-19H 168.8-178.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
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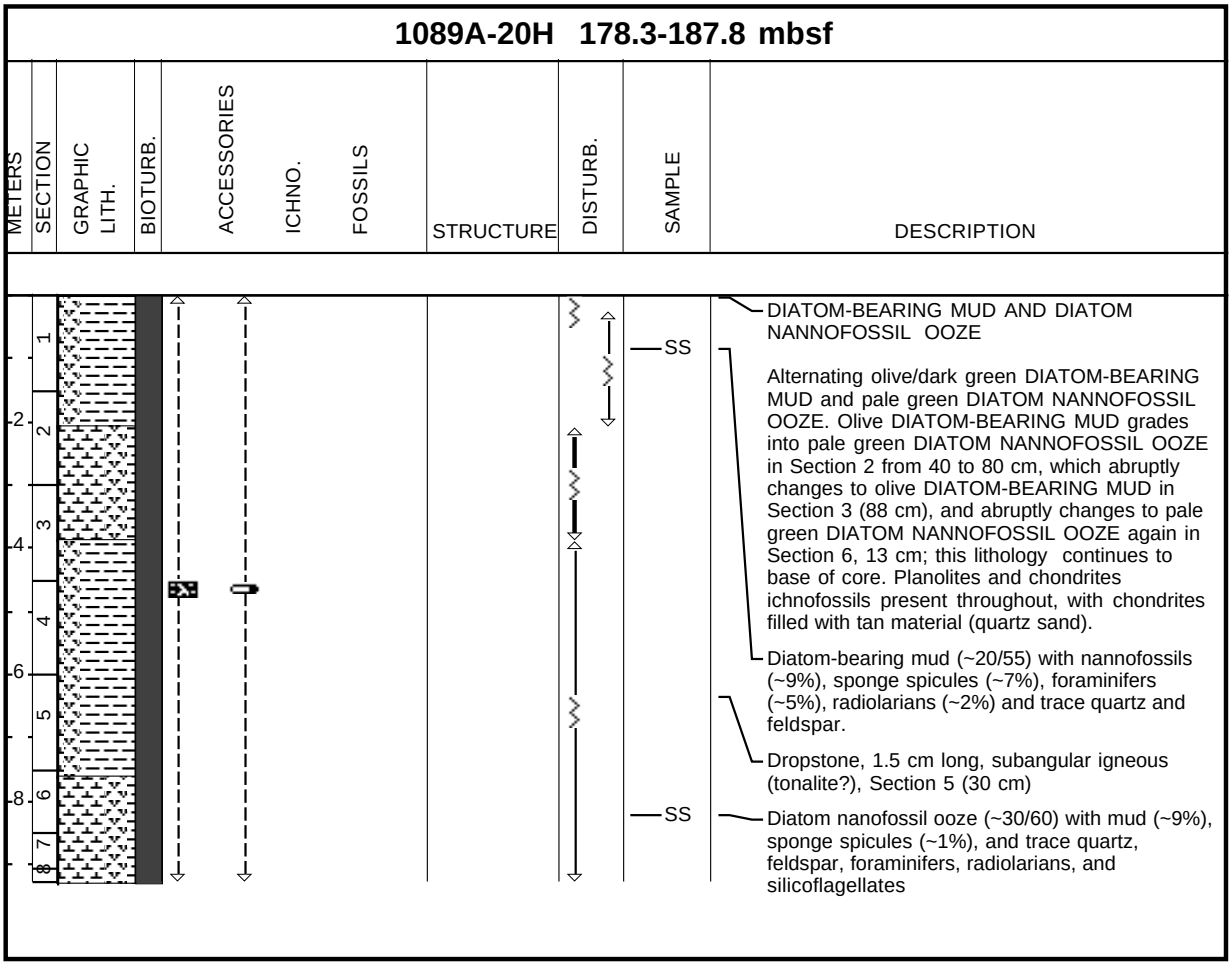
DIATOM MUD, MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING MUDDY NANNOFOSSIL OOZE
Dark gray DIATOM MUD occurs through Sections 1 and 2 with the exception of Section 1, 114-132 cm which is gray DIATOM-BEARING MUDDY NANNOFOSSIL OOZE. Section 3, 15-130 cm contains pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE. Dark gray DIATOM MUD occurs in the remainder of Section 3 and to Section 5, 60 cm. Gray DIATOM-BEARING MUDDY NANNOFOSSIL OOZE occurs in Section 5, 60-78 cm followed by dark gray DIATOM MUD to the end of Section 5. Gray DIATOM-BEARING MUDDY NANNOFOSSIL OOZE extends through Section 6, 0-48 cm. Pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE occurs through the remainder the core.
Section 3 shows mottling. Sections 1, 2, 5 and 6 all show faint laminations with green layers. Sparse burrows occur throughout the core length.
Diatom-bearing muddy nannofossil ooze (~20/26/46%) with 4% sponge spicules, 2% radiolarians, 1% silicoflagellates and traces of foraminifers, quartz, feldspar, mica and glauconite
Mud- and diatom-bearing nannofossil ooze (~10/11/67%) with 5% sponge spicules, 3% foraminifers, 3% silicoflagellates, 1% radiolarians with traces of glauconite, quartz, feldspar, and mica
Diatom mud (~30/65%) with 2% nannofossils, 2% sponge spicules, 1% radiolarians and traces of foraminifers, silicoflagellates, heavy minerals, quartz, feldspar, mica and glauconite

Core Photo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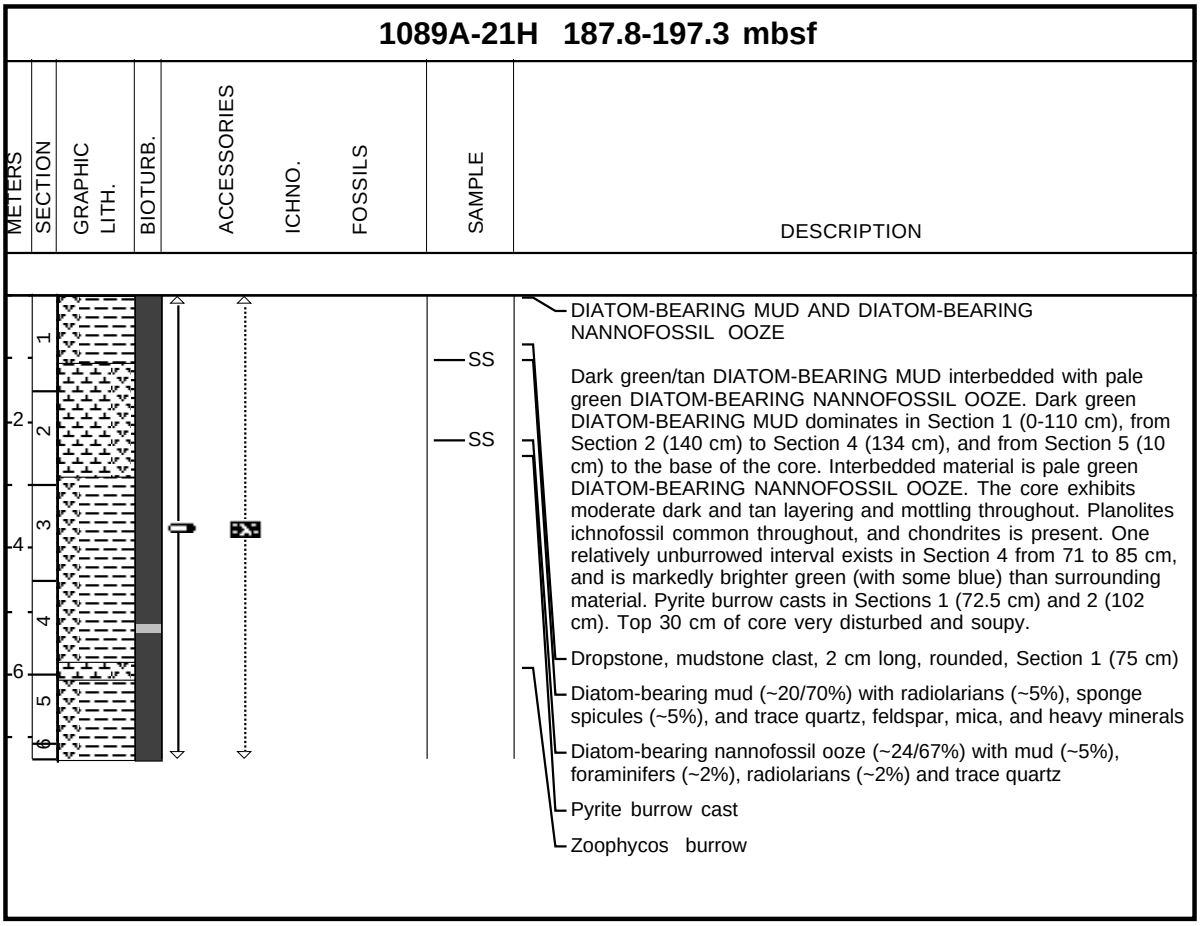
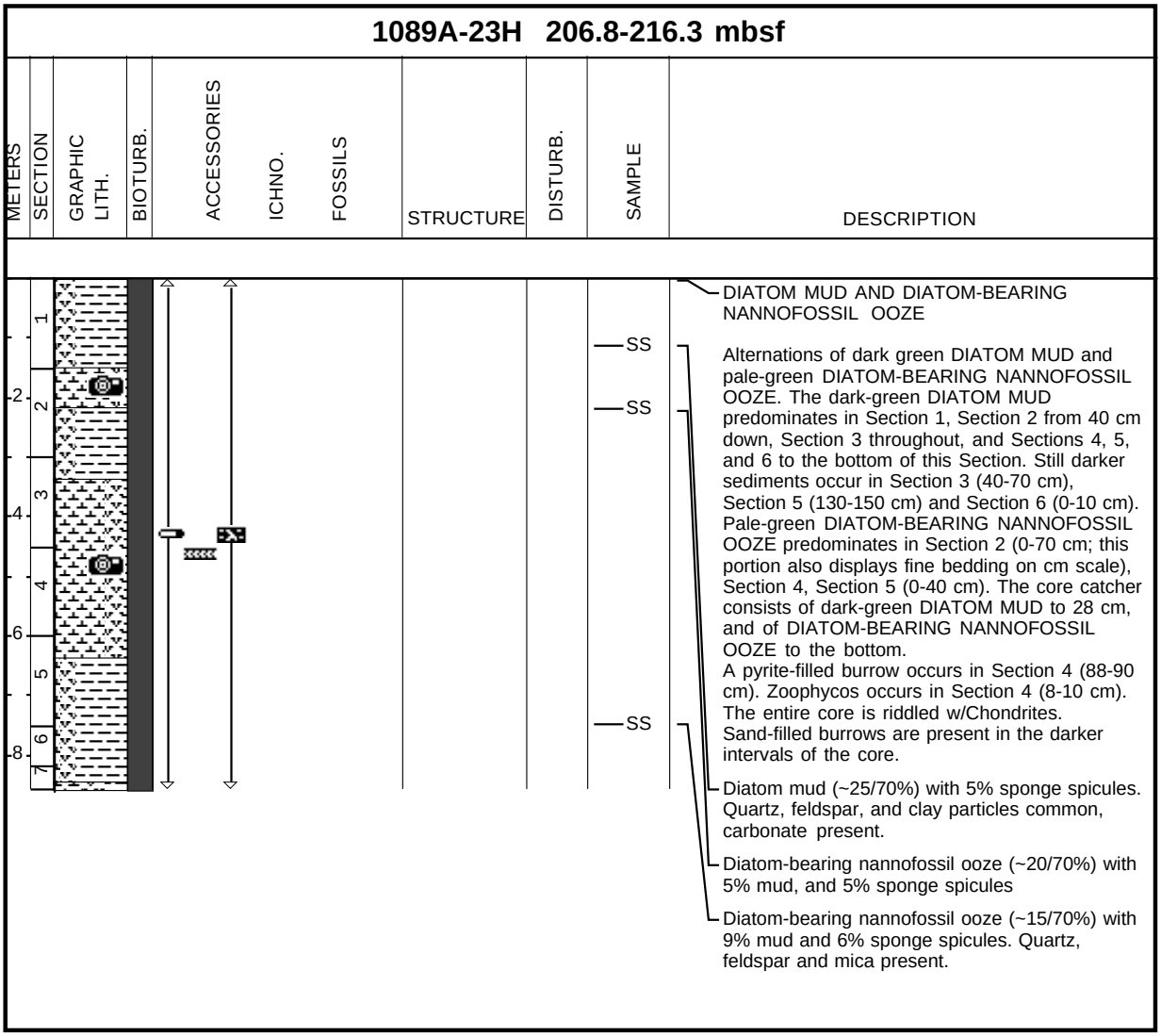
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM-BEARING MUD AND DIATOM NANNOFOSSIL OOZE
Alternating olive/dark green DIATOM-BEARING MUD and pale green DIATOM NANNOFOSSIL OOZE. Olive DIATOM-BEARING MUD grades into pale green DIATOM NANNOFOSSIL OOZE in Section 2 from 40 to 80 cm, which abruptly changes to olive DIATOM-BEARING MUD in Section 3 (88 cm), and abruptly changes to pale green DIATOM NANNOFOSSIL OOZE again in Section 6, 13 cm; this lithology continues to base of core. Planolites and chondrites ichnofossils present throughout, with chondrites filled with tan material (quartz sand).
Diatom-bearing mud (~20/55) with nannofossils (~9%), sponge spicules (~7%), foraminifers (~5%), radiolarians (~2%) and trace quartz and feldspar.
Dropstone, 1.5 cm long, subangular igneous (tonalite?), Section 5 (30 cm)
Diatom nanofossil ooze (~30/60) with mud (~9%), sponge spicules (~1%), and trace quartz, feldspar, foraminifers, radiolarians, and silicoflagellates

Core Photo



1089A-22H NO RECOVERY

Core Photo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GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
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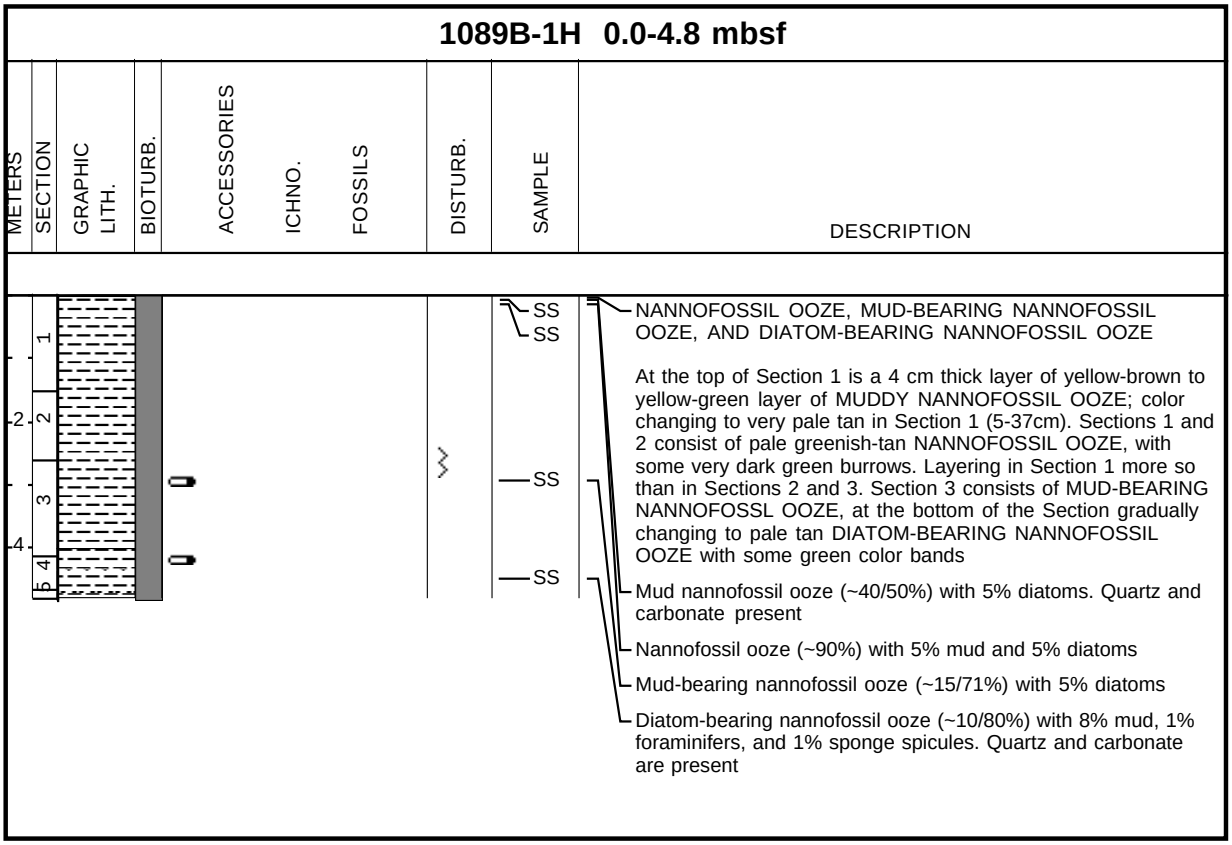
DIATOM MUD AND DIATOM-BEARING NANNOFOSSIL OOZE
Alternations of dark green DIATOM MUD and pale-green DIATOM-BEARING NANNOFOSSIL OOZE. The dark-green DIATOM MUD predominates in Section 1, Section 2 from 40 cm down, Section 3 throughout, and Sections 4, 5, and 6 to the bottom of this Section. Still darker sediments occur in Section 3 (40-70 cm), Section 5 (130-150 cm) and Section 6 (0-10 cm). Pale-green DIATOM-BEARING NANNOFOSSIL OOZE predominates in Section 2 (0-70 cm; this portion also displays fine bedding on cm scale), Section 4, Section 5 (0-40 cm). The core catcher consists of dark-green DIATOM MUD to 28 cm, and of DIATOM-BEARING NANNOFOSSIL OOZE to the bottom.
A pyrite-filled burrow occurs in Section 4 (88-90 cm). Zoophycos occurs in Section 4 (8-10 cm). The entire core is riddled w/Chondrites. Sand-filled burrows are present in the darker intervals of the core.
Diatom mud (~25/70%) with 5% sponge spicules. Quartz, feldspar, and clay particles common, carbonate present.
Diatom-bearing nannofossil ooze (~20/70%) with 5% mud, and 5% sponge spicules
Diatom-bearing nannofossil ooze (~15/70%) with 9% mud and 6% sponge spicules. Quartz, feldspar and mica present.

Core Photo


1089B-1H 0.0-4.8 mbsf
METERS
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BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
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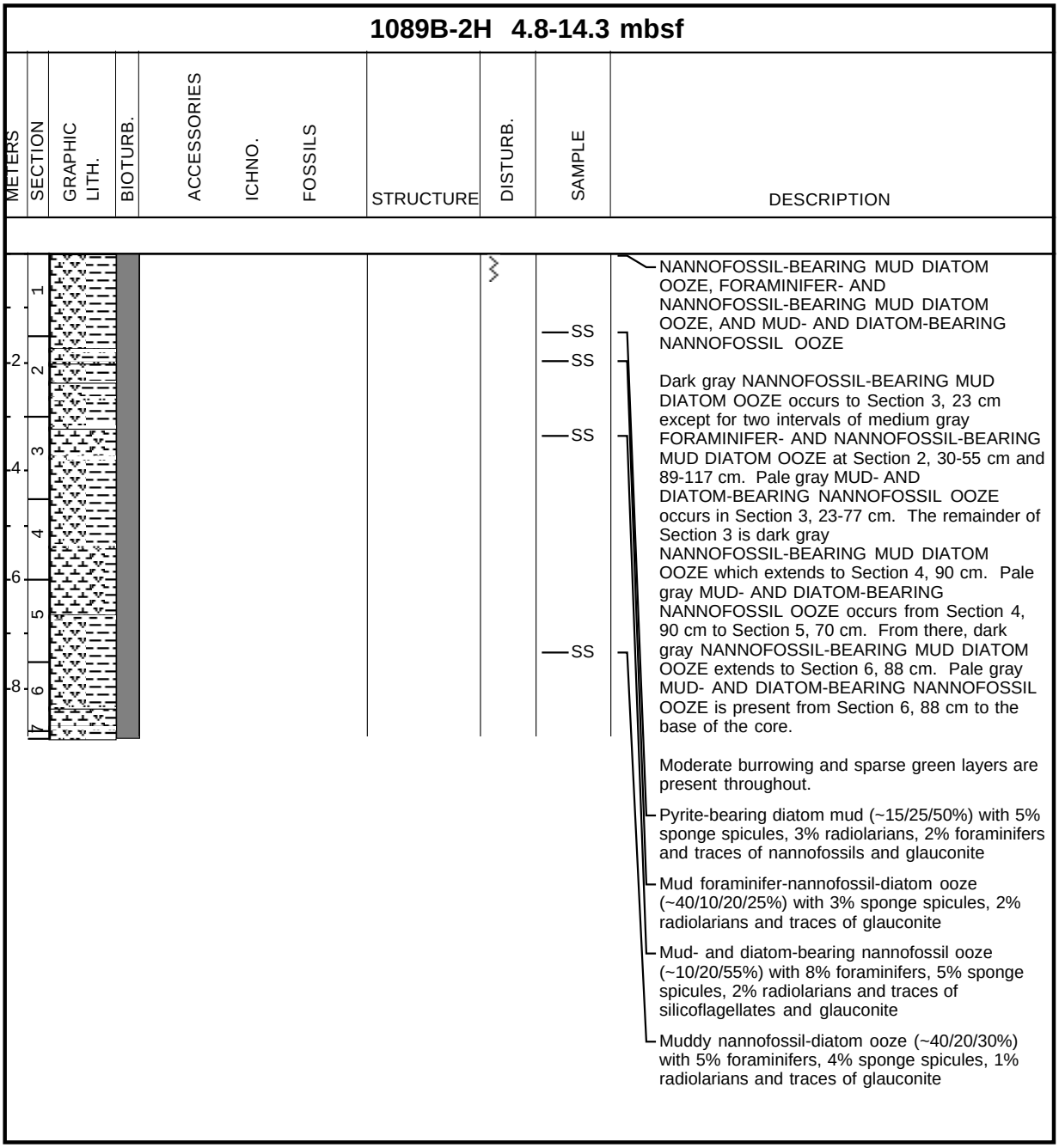
NANNOFOSSIL OOZE, MUD-BEARING NANNOFOSSIL OOZE, AND DIATOM-BEARING NANNOFOSSIL OOZE
At the top of Section 1 is a 4 cm thick layer of yellow-brown to yellow-green layer of MUDDY NANNOFOSSIL OOZE; color changing to very pale tan in Section 1 (5-37cm). Sections 1 and 2 consist of pale greenish-tan NANNOFOSSIL OOZE, with some very dark green burrows. Layering in Section 1 more so than in Sections 2 and 3. Section 3 consists of MUD-BEARING NANNOFOSSL OOZE, at the bottom of the Section gradually changing to pale tan DIATOM-BEARING NANNOFOSSIL OOZE with some green color bands
Mud nannofossil ooze (~40/50%) with 5% diatoms. Quartz and carbonate present
Nannofossil ooze (~90%) with 5% mud and 5% diatoms
Mud-bearing nannofossil ooze (~15/71%) with 5% diatoms
Diatom-bearing nannofossil ooze (~10/80%) with 8% mud, 1% foraminifers, and 1% sponge spicules. Quartz and carbonate are present

Core Photo


1089B-2H 4.8-14.3 mbsf
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GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
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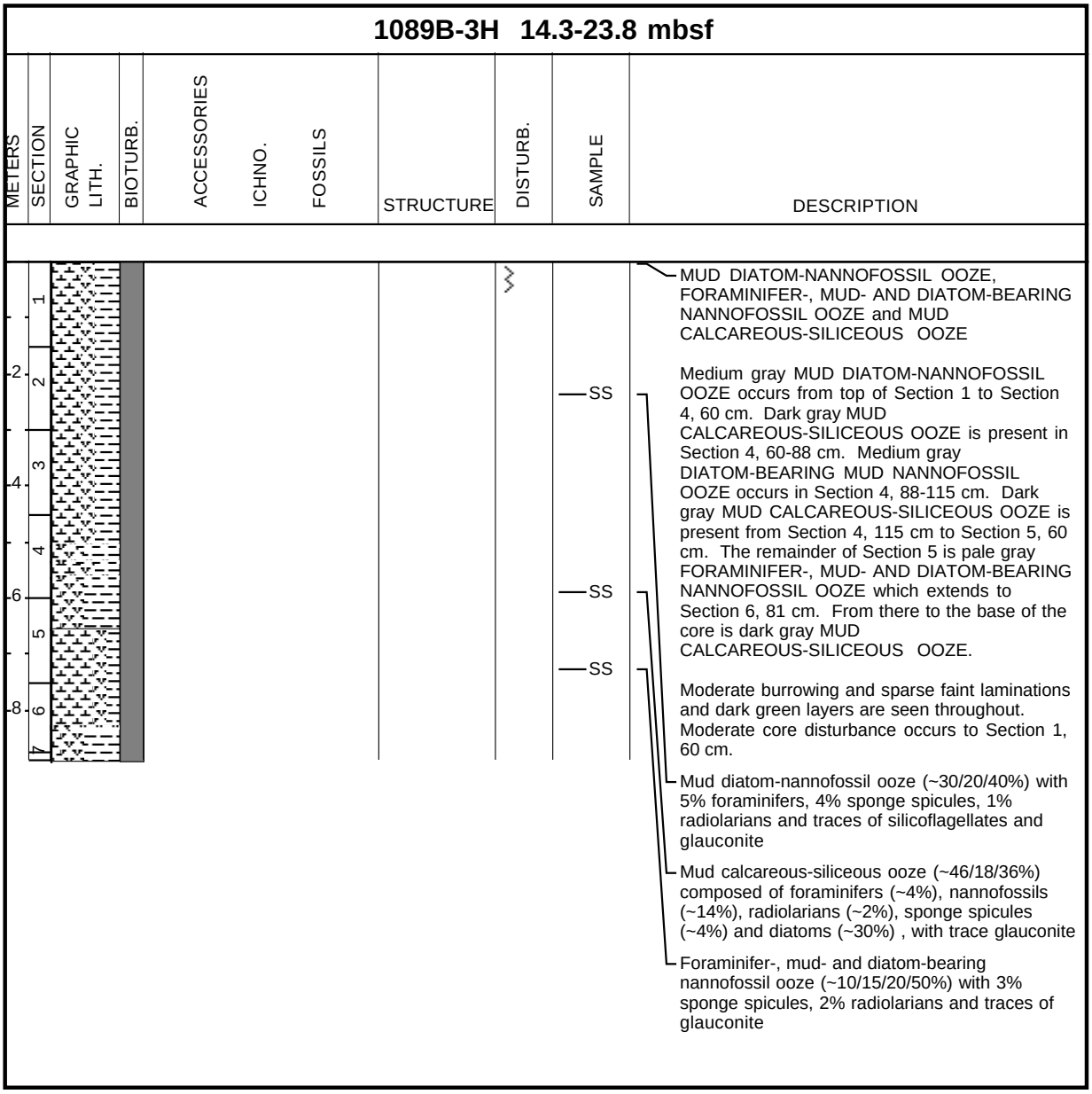
NANNOFOSSIL-BEARING MUD DIATOM OOZE, FORAMINIFER- AND NANNOFOSSIL-BEARING MUD DIATOM OOZE, AND MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Dark gray NANNOFOSSIL-BEARING MUD DIATOM OOZE occurs to Section 3, 23 cm except for two intervals of medium gray FORAMINIFER- AND NANNOFOSSIL-BEARING MUD DIATOM OOZE at Section 2, 30-55 cm and 89-117 cm. Pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE occurs in Section 3, 23-77 cm. The remainder of Section 3 is dark gray NANNOFOSSIL-BEARING MUD DIATOM OOZE which extends to Section 4, 90 cm. Pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE occurs from Section 4, 90 cm to Section 5, 70 cm. From there, dark gray NANNOFOSSIL-BEARING MUD DIATOM OOZE extends to Section 6, 88 cm. Pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE is present from Section 6, 88 cm to the base of the core.
Moderate burrowing and sparse green layers are present throughout.
Pyrite-bearing diatom mud (~15/25/50%) with 5% sponge spicules, 3% radiolarians, 2% foraminifers and traces of nannofossils and glauconite
Mud foraminifer-nannofossil-diatom ooze (~40/10/20/25%) with 3% sponge spicules, 2% radiolarians and traces of glauconite
Mud- and diatom-bearing nannofossil ooze (~10/20/55%) with 8% foraminifers, 5% sponge spicules, 2% radiolarians and traces of silicoflagellates and glauconite
Muddy nannofossil-diatom ooze (~40/20/30%) with 5% foraminifers, 4% sponge spicules, 1% radiolarians and traces of glauconite

Core Photo


1089B-3H 14.3-23.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
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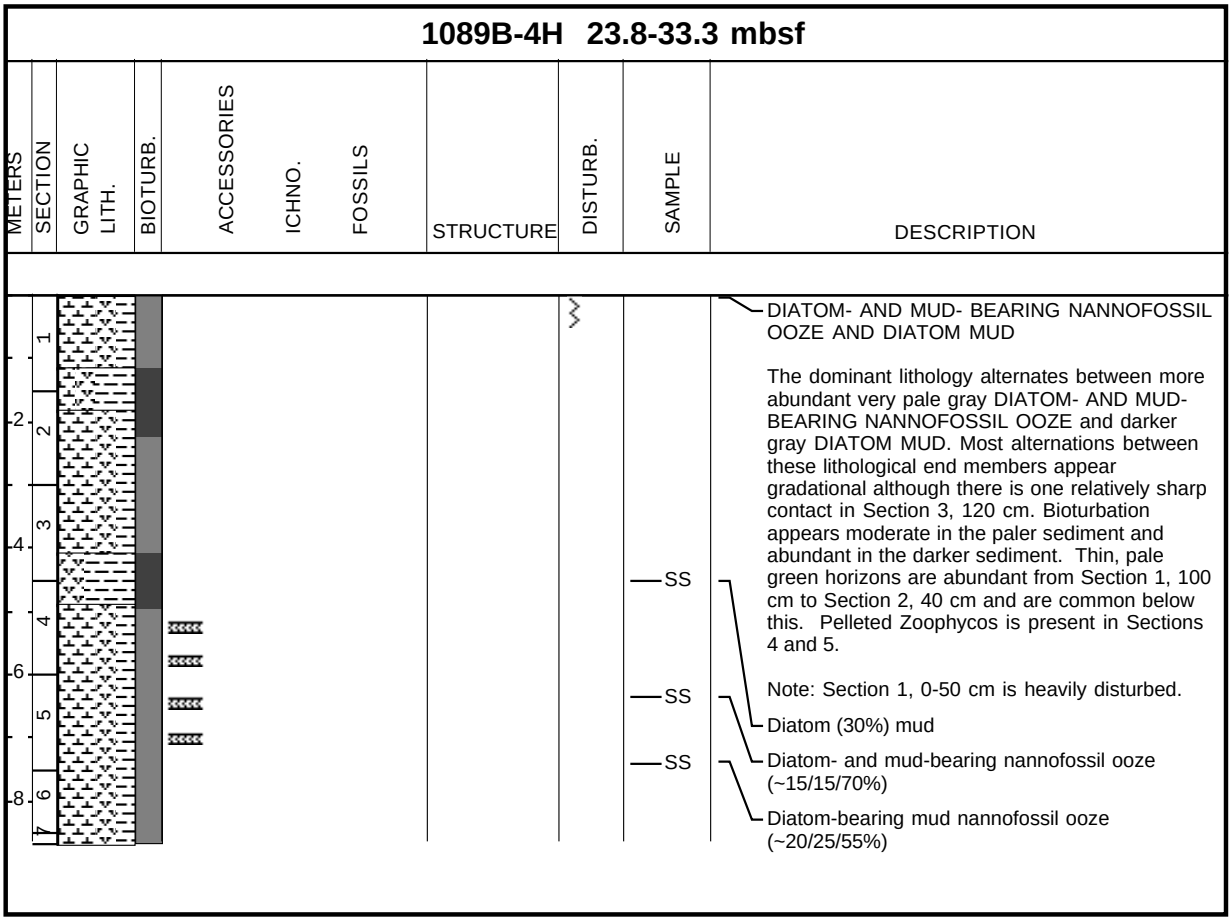
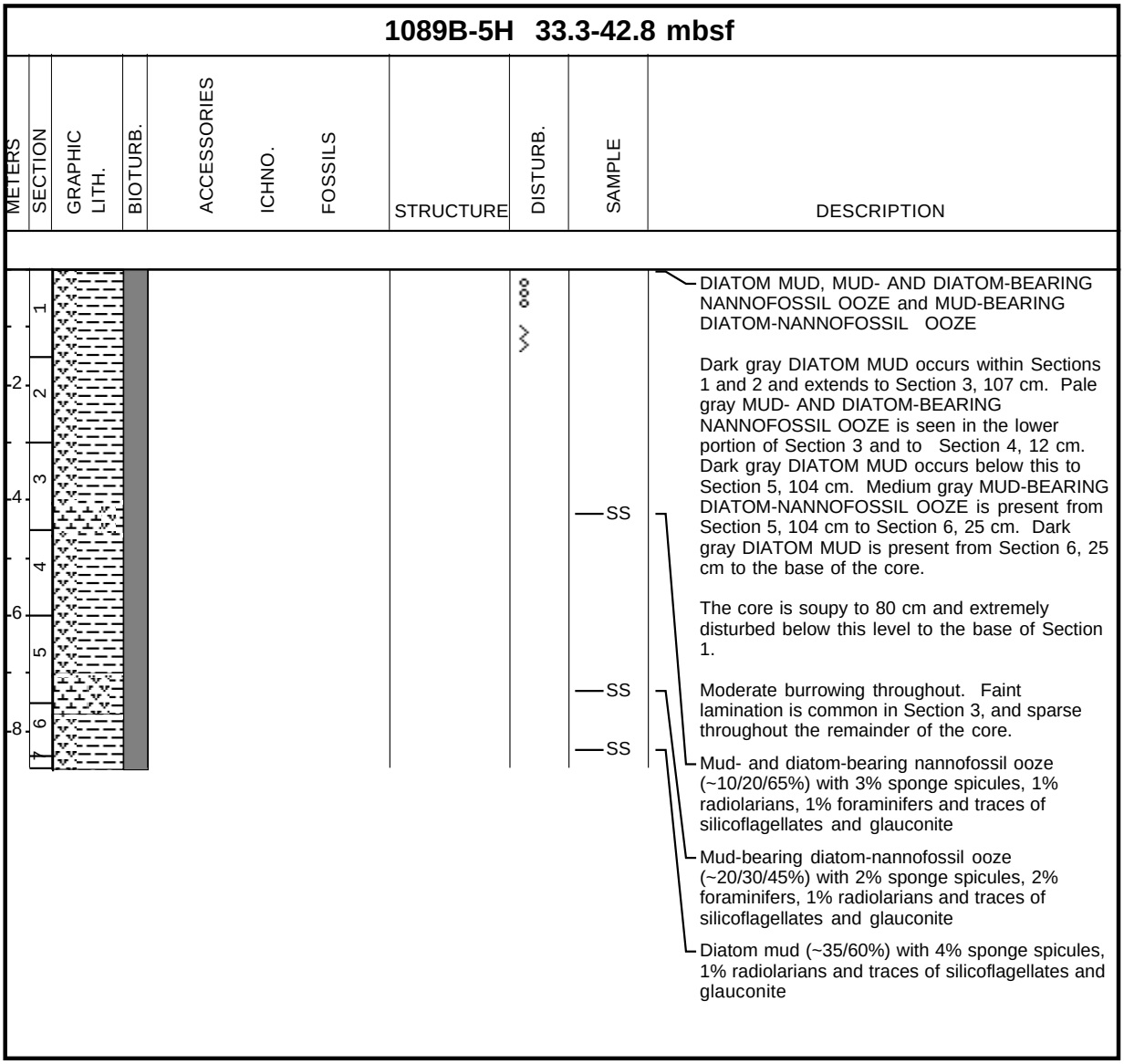
MUD DIATOM-NANNOFOSSIL OOZE, FORAMINIFER-, MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE and MUD CALCAREOUS-SILICEOUS OOZE
Medium gray MUD DIATOM-NANNOFOSSIL OOZE occurs from top of Section 1 to Section 4, 60 cm. Dark gray MUD CALCAREOUS-SILICEOUS OOZE is present in Section 4, 60-88 cm. Medium gray DIATOM-BEARING MUD NANNOFOSSIL OOZE occurs in Section 4, 88-115 cm. Dark gray MUD CALCAREOUS-SILICEOUS OOZE is present from Section 4, 115 cm to Section 5, 60 cm. The remainder of Section 5 is pale gray FORAMINIFER-, MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE which extends to Section 6, 81 cm. From there to the base of the core is dark gray MUD CALCAREOUS-SILICEOUS OOZE.
Moderate burrowing and sparse faint laminations and dark green layers are seen throughout. Moderate core disturbance occurs to Section 1, 60 cm.
Mud diatom-nannofossil ooze (~30/20/40%) with 5% foraminifers, 4% sponge spicules, 1% radiolarians and traces of silicoflagellates and glauconite
Mud calcareous-siliceous ooze (~46/18/36%) composed of foraminifers (~4%), nannofossils (~14%), radiolarians (~2%), sponge spicules (~4%) and diatoms (~30%) , with trace glauconite
Foraminifer-, mud- and diatom-bearing nannofossil ooze (~10/15/20/50%) with 3% sponge spicules, 2% radiolarians and traces of glauconite

Core Photo


1089B-4H 23.8-33.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM- AND MUD- BEARING NANNOFOSSIL OOZE AND DIATOM MUD
The dominant lithology alternates between more abundant very pale gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE and darker gray DIATOM MUD. Most alternations between these lithological end members appear gradational although there is one relatively sharp contact in Section 3, 120 cm. Bioturbation appears moderate in the paler sediment and abundant in the darker sediment. Thin, pale green horizons are abundant from Section 1, 100 cm to Section 2, 40 cm and are common below this. Pelleted Zoophycos is present in Sections 4 and 5.
Note: Section 1, 0-50 cm is heavily disturbed.
Diatom (30%) mud
Diatom- and mud-bearing nannofossil ooze (~15/15/70%)
Diatom-bearing mud nannofossil ooze (~20/25/55%)

Core Photo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BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
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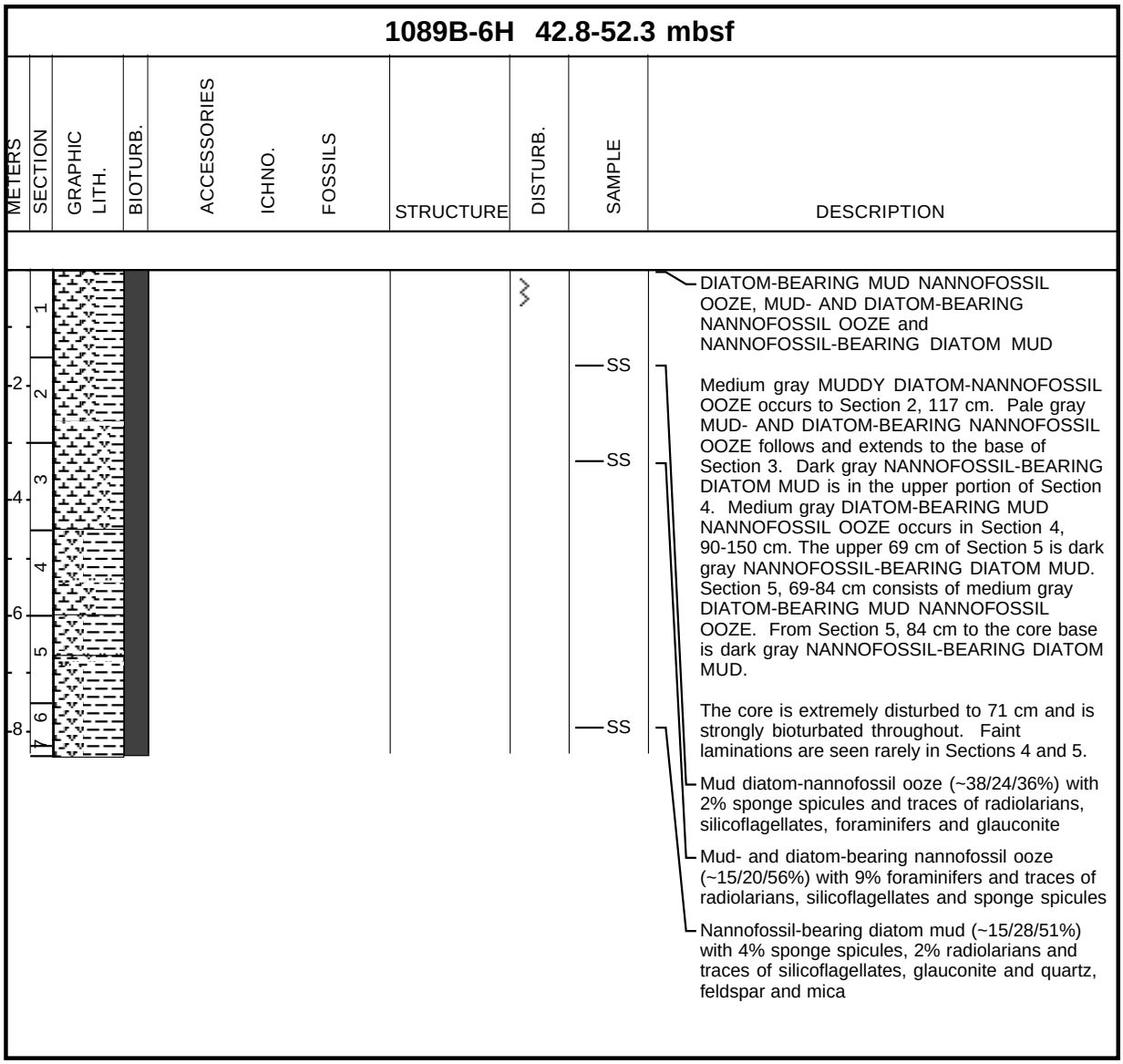
DIATOM MUD, MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE and MUD-BEARING DIATOM-NANNOFOSSIL OOZE
Dark gray DIATOM MUD occurs within Sections 1 and 2 and extends to Section 3, 107 cm. Pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE is seen in the lower portion of Section 3 and to Section 4, 12 cm. Dark gray DIATOM MUD occurs below this to Section 5, 104 cm. Medium gray MUD-BEARING DIATOM-NANNOFOSSIL OOZE is present from Section 5, 104 cm to Section 6, 25 cm. Dark gray DIATOM MUD is present from Section 6, 25 cm to the base of the core.
The core is soupy to 80 cm and extremely disturbed below this level to the base of Section 1.
Moderate burrowing throughout. Faint lamination is common in Section 3, and sparse throughout the remainder of the core.
Mud- and diatom-bearing nannofossil ooze (~10/20/65%) with 3% sponge spicules, 1% radiolarians, 1% foraminifers and traces of silicoflagellates and glauconite
Mud-bearing diatom-nannofossil ooze (~20/30/45%) with 2% sponge spicules, 2% foraminifers, 1% radiolarians and traces of silicoflagellates and glauconite
Diatom mud (~35/60%) with 4% sponge spicules, 1% radiolarians and traces of silicoflagellates and glauconite

Core Photo


1089B-6H 42.8-52.3 mbsf
METERS
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BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
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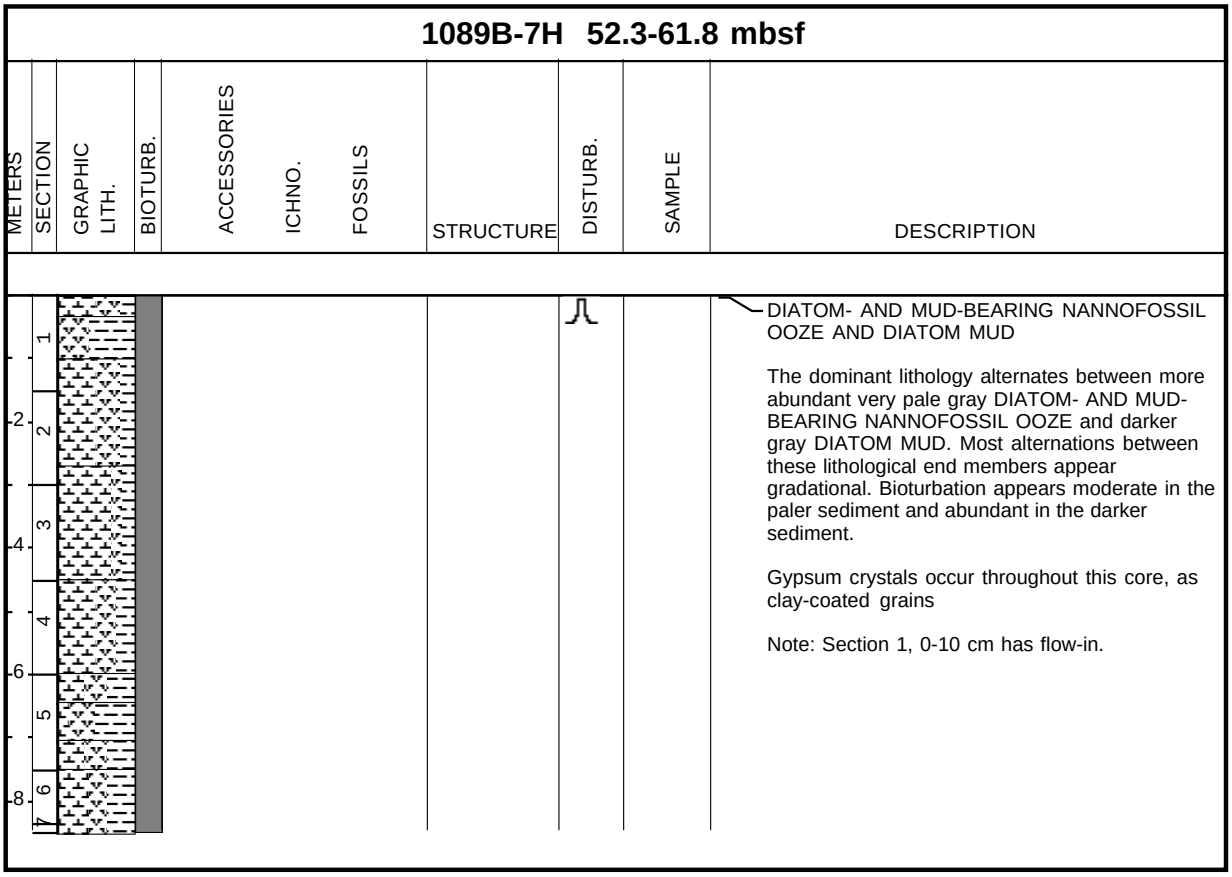
SS
DIATOM-BEARING MUD NANNOFOSSIL OOZE, MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL-BEARING DIATOM MUD
Medium gray MUDDY DIATOM-NANNOFOSSIL OOZE occurs to Section 2, 117 cm. Pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE follows and extends to the base of Section 3. Dark gray NANNOFOSSIL-BEARING DIATOM MUD is in the upper portion of Section 4. Medium gray DIATOM-BEARING MUD NANNOFOSSIL OOZE occurs in Section 4, 90-150 cm. The upper 69 cm of Section 5 is dark gray NANNOFOSSIL-BEARING DIATOM MUD. Section 5, 69-84 cm consists of medium gray DIATOM-BEARING MUD NANNOFOSSIL OOZE. From Section 5, 84 cm to the core base is dark gray NANNOFOSSIL-BEARING DIATOM MUD.
The core is extremely disturbed to 71 cm and is strongly bioturbated throughout. Faint laminations are seen rarely in Sections 4 and 5.
Mud diatom-nannofossil ooze (~38/24/36%) with 2% sponge spicules and traces of radiolarians, silicoflagellates, foraminifers and glauconite
Mud- and diatom-bearing nannofossil ooze (~15/20/56%) with 9% foraminifers and traces of radiolarians, silicoflagellates and sponge spicules
Nannofossil-bearing diatom mud (~15/28/51%) with 4% sponge spicules, 2% radiolarians and traces of silicoflagellates, glauconite and quartz, feldspar and mica

Core Photo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BIOTURB.
ACCESSORIES
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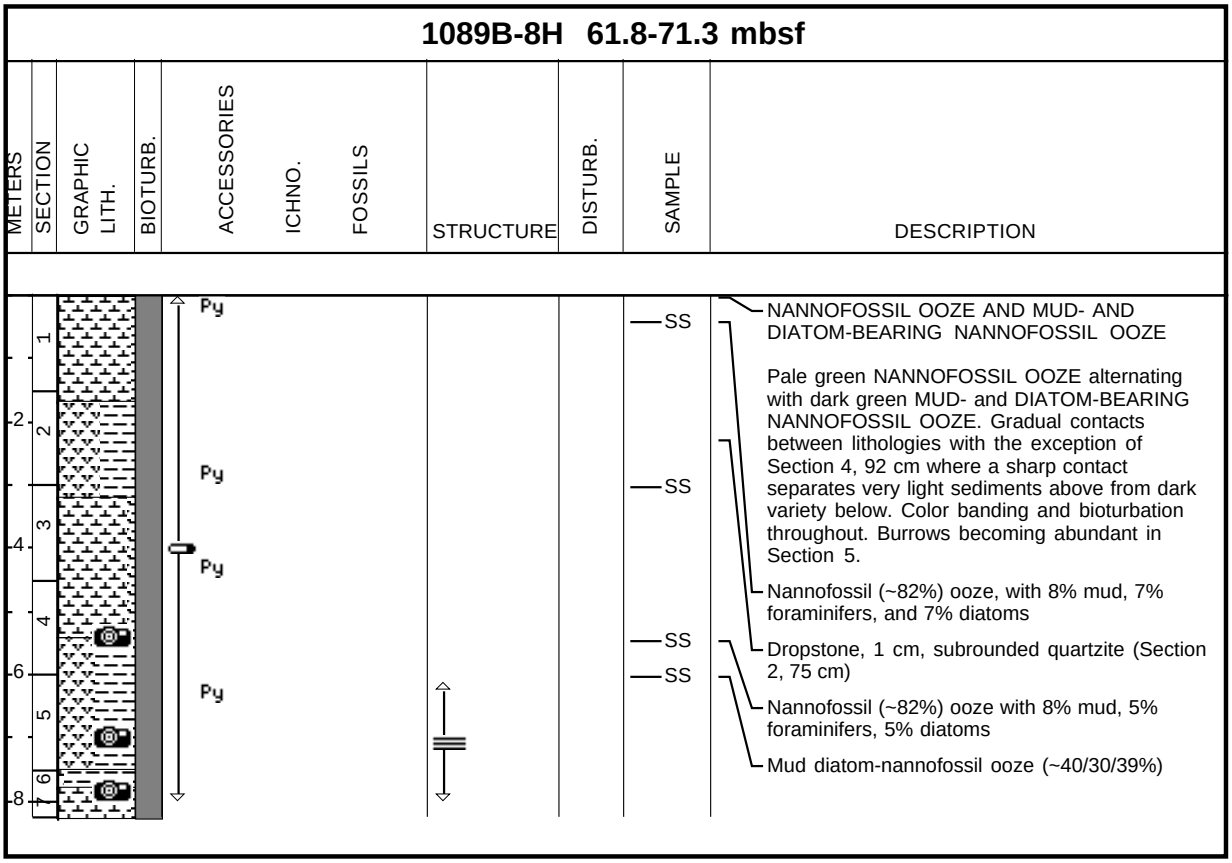
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE AND DIATOM MUD
The dominant lithology alternates between more abundant very pale gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE and darker gray DIATOM MUD. Most alternations between these lithological end members appear gradational. Bioturbation appears moderate in the paler sediment and abundant in the darker sediment.
Gypsum crystals occur throughout this core, as clay-coated grains
Note: Section 1, 0-10 cm has flow-in.

Core Photo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BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
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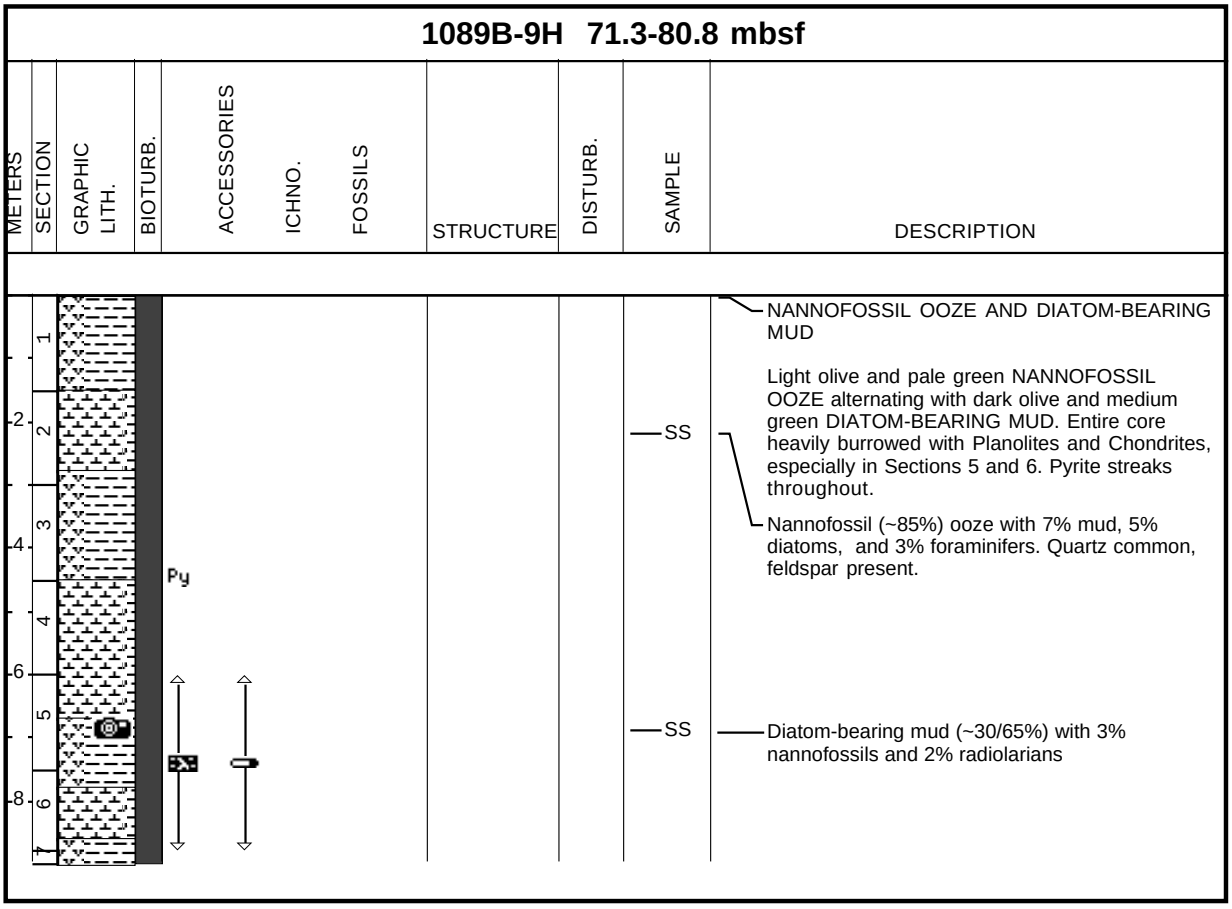
NANNOFOSSIL OOZE AND MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Pale green NANNOFOSSIL OOZE alternating with dark green MUD- and DIATOM-BEARING NANNOFOSSIL OOZE. Gradual contacts between lithologies with the exception of Section 4, 92 cm where a sharp contact separates very light sediments above from dark variety below. Color banding and bioturbation throughout. Burrows becoming abundant in Section 5.
Nannofossil (~82%) ooze, with 8% mud, 7% foraminifers, and 7% diatoms
Dropstone, 1 cm, subrounded quartzite (Section 2, 75 cm)
Nannofossil (~82%) ooze with 8% mud, 5% foraminifers, 5% diatoms
Mud diatom-nannofossil ooze (~40/30/39%)

Core Photo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BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
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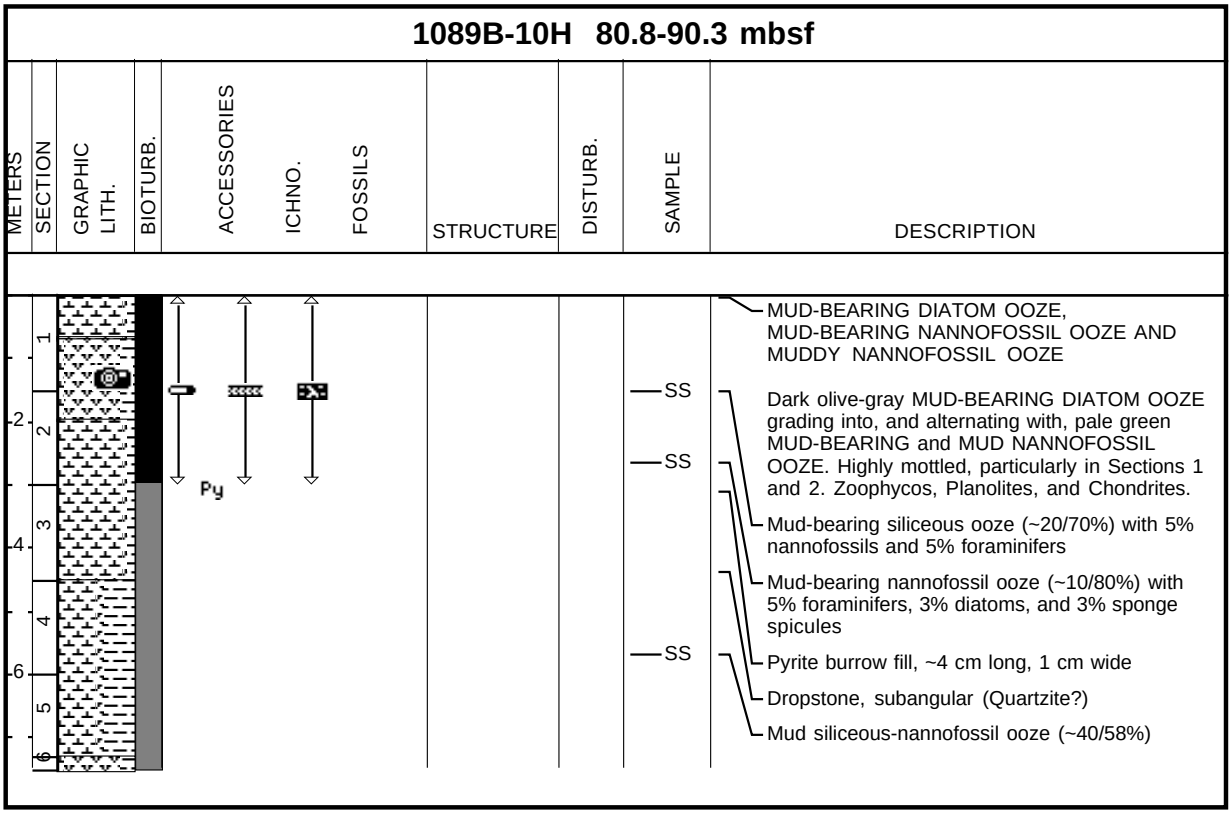
SS
NANNOFOSSIL OOZE AND DIATOM-BEARING MUD
Light olive and pale green NANNOFOSSIL OOZE alternating with dark olive and medium green DIATOM-BEARING MUD. Entire core heavily burrowed with Planolites and Chondrites, especially in Sections 5 and 6. Pyrite streaks throughout.
Nannofossil (~85%) ooze with 7% mud, 5% diatoms, and 3% foraminifers. Quartz common, feldspar present.
Diatom-bearing mud (~30/65%) with 3% nannofossils and 2% radiolarians

Core Photo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ACCESSORIES
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FOSSILS
STRUCTURE
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SAMPLE
DESCRIPTION
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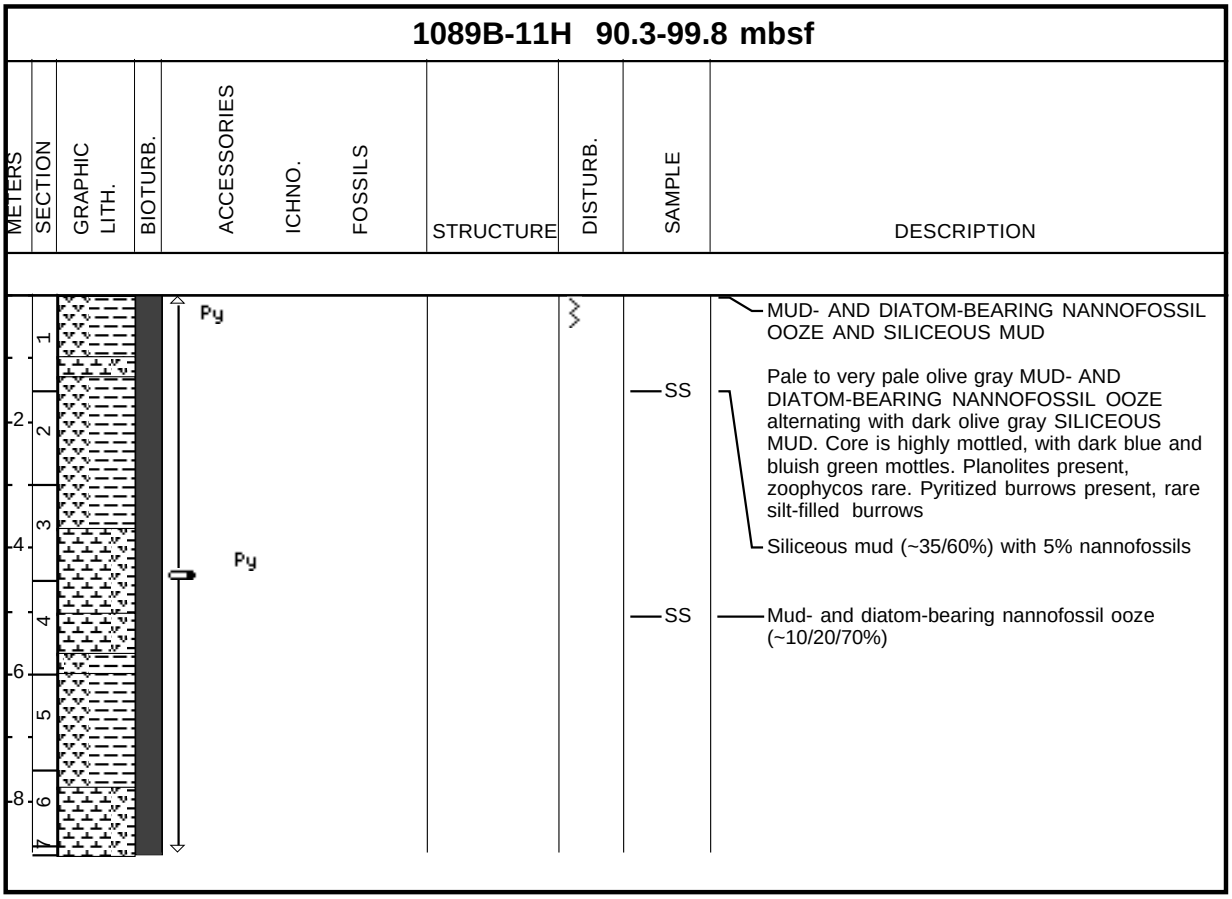
MUD-BEARING DIATOM OOZE, MUD-BEARING NANNOFOSSIL OOZE AND MUDDY NANNOFOSSIL OOZE
Dark olive-gray MUD-BEARING DIATOM OOZE grading into, and alternating with, pale green MUD-BEARING and MUD NANNOFOSSIL OOZE. Highly mottled, particularly in Sections 1 and 2. Zoophycos, Planolites, and Chondrites.
Mud-bearing siliceous ooze (~20/70%) with 5% nannofossils and 5% foraminifers
Mud-bearing nannofossil ooze (~10/80%) with 5% foraminifers, 3% diatoms, and 3% sponge spicules
Pyrite burrow fill, ~4 cm long, 1 cm wide
Dropstone, subangular (Quartzite?)
Mud siliceous-nannofossil ooze (~40/58%)

Core Photo


1089B-11H 90.3-99.8 mbsf
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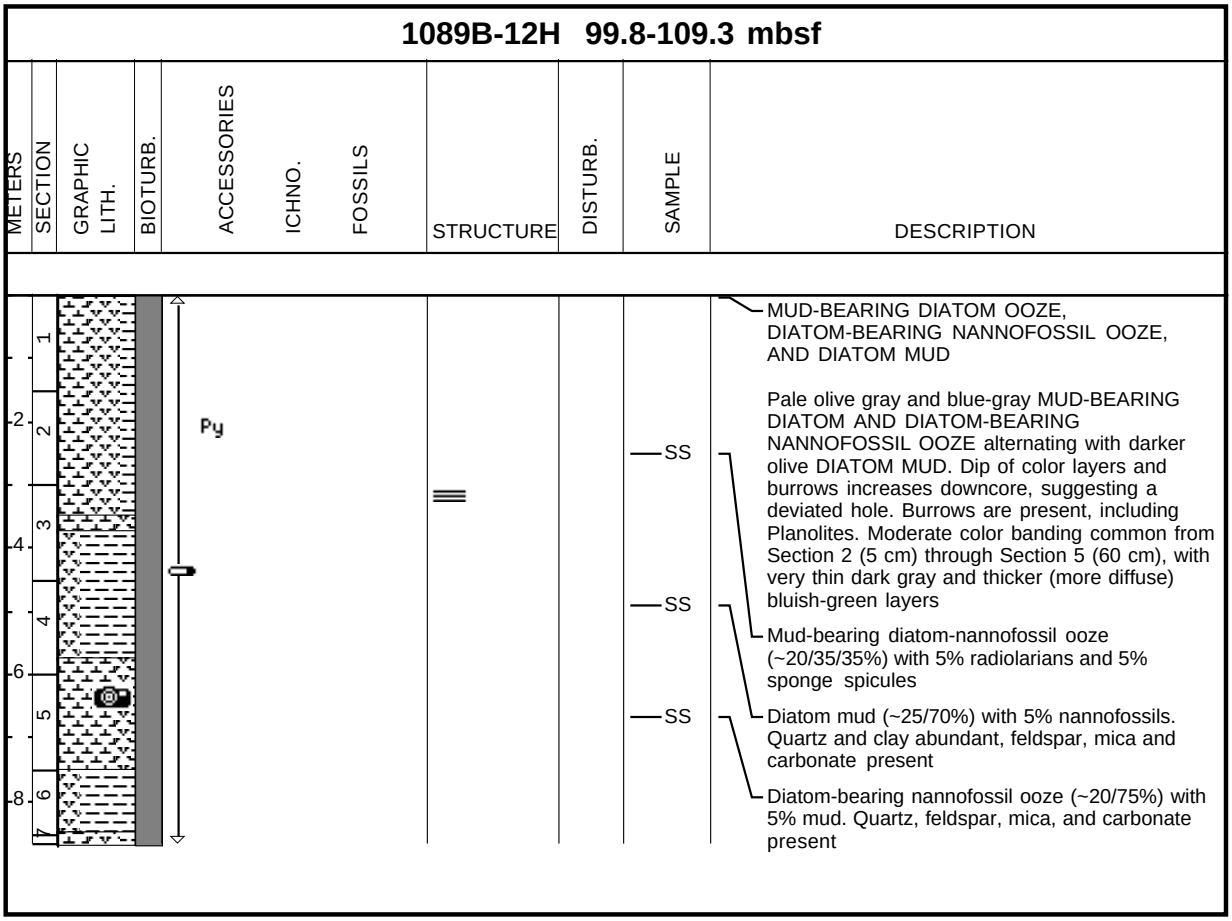
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
Py
SS
SS
MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE AND SILICEOUS MUD
Pale to very pale olive gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE alternating with dark olive gray SILICEOUS MUD. Core is highly mottled, with dark blue and bluish green mottles. Planolites present, zoophycos rare. Pyritized burrows present, rare silt-filled burrows
Siliceous mud (~35/60%) with 5% nannofossils
Mud- and diatom-bearing nannofossil ooze (~10/20/70%)

Core Photo


1089B-12H 99.8-109.3 mbsf
METERS
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GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
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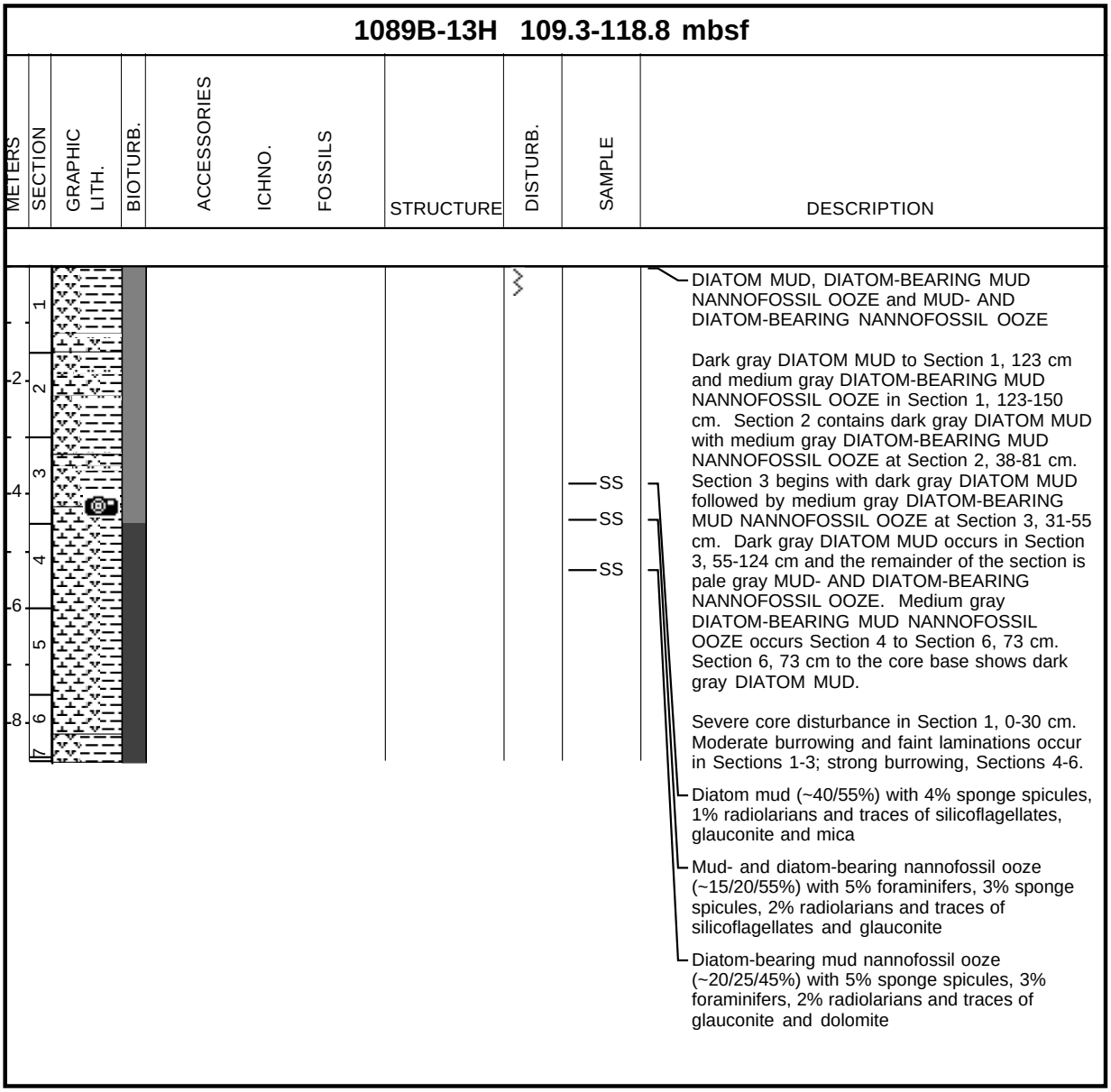
MUD-BEARING DIATOM OOZE, DIATOM-BEARING NANNOFOSSIL OOZE, AND DIATOM MUD
Pale olive gray and blue-gray MUD-BEARING DIATOM AND DIATOM-BEARING NANNOFOSSIL OOZE alternating with darker olive DIATOM MUD. Dip of color layers and burrows increases downcore, suggesting a deviated hole. Burrows are present, including Planolites. Moderate color banding common from Section 2 (5 cm) through Section 5 (60 cm), with very thin dark gray and thicker (more diffuse) bluish-green layers
Mud-bearing diatom-nannofossil ooze (~20/35/35%) with 5% radiolarians and 5% sponge spicules
Diatom mud (~25/70%) with 5% nannofossils. Quartz and clay abundant, feldspar, mica and carbonate present
Diatom-bearing nannofossil ooze (~20/75%) with 5% mud. Quartz, feldspar, mica, and carbonate present

Core Photo


1089B-13H 109.3-118.8 mbsf
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SECTION
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BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
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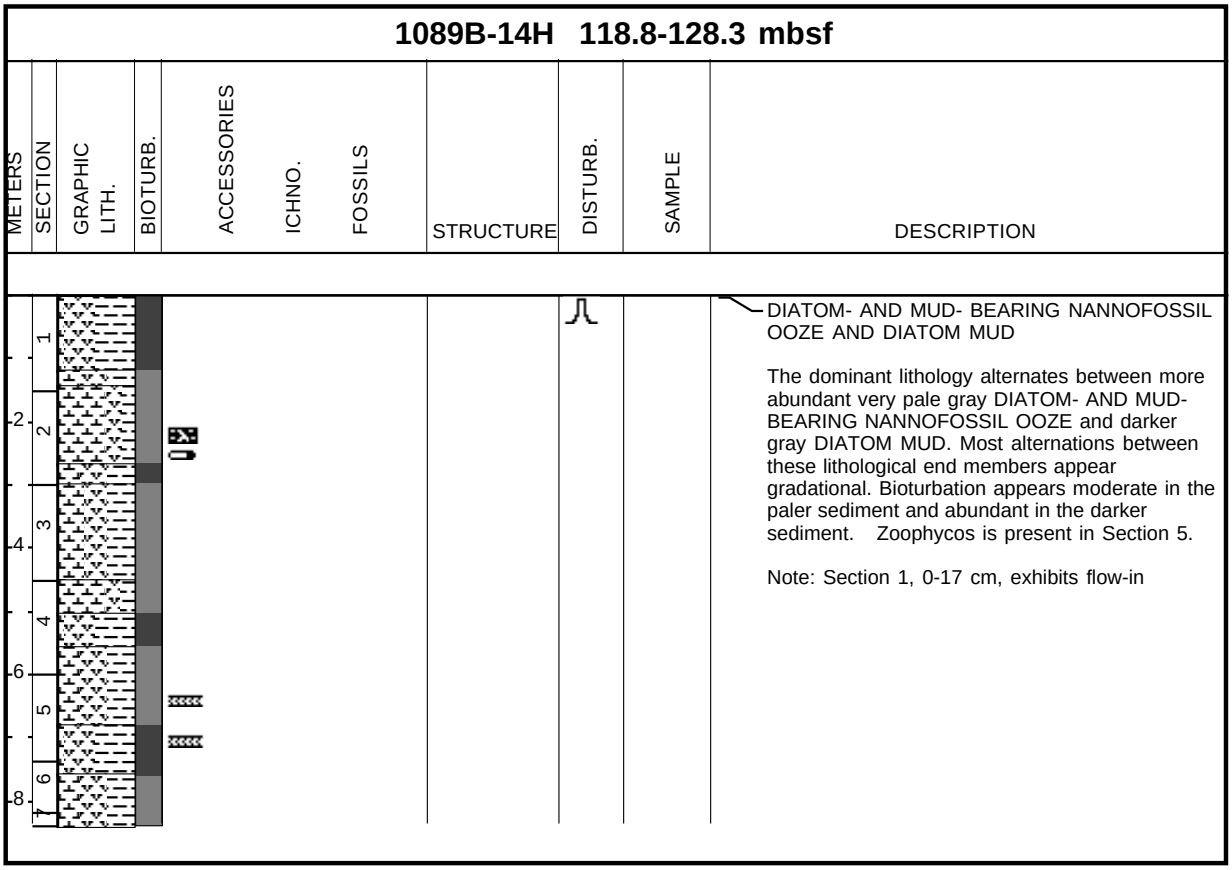
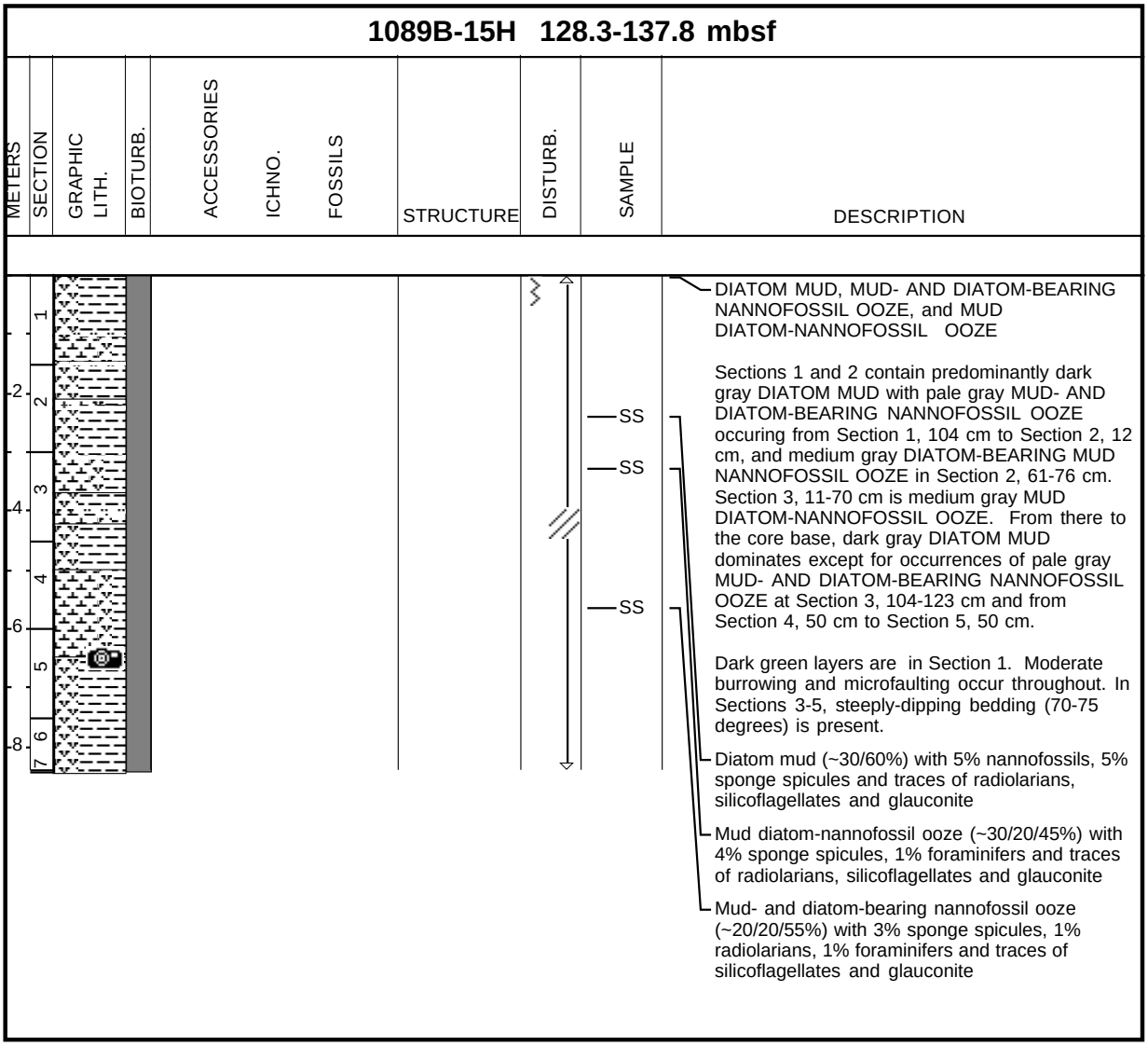
DIATOM MUD, DIATOM-BEARING MUD NANNOFOSSIL OOZE and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Dark gray DIATOM MUD to Section 1, 123 cm and medium gray DIATOM-BEARING MUD NANNOFOSSIL OOZE in Section 1, 123-150 cm. Section 2 contains dark gray DIATOM MUD with medium gray DIATOM-BEARING MUD NANNOFOSSIL OOZE at Section 2, 38-81 cm. Section 3 begins with dark gray DIATOM MUD followed by medium gray DIATOM-BEARING MUD NANNOFOSSIL OOZE at Section 3, 31-55 cm. Dark gray DIATOM MUD occurs in Section 3, 55-124 cm and the remainder of the section is pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE. Medium gray DIATOM-BEARING MUD NANNOFOSSIL OOZE occurs Section 4 to Section 6, 73 cm. Section 6, 73 cm to the core base shows dark gray DIATOM MUD.
Severe core disturbance in Section 1, 0-30 cm. Moderate burrowing and faint laminations occur in Sections 1-3; strong burrowing, Sections 4-6.
Diatom mud (~40/55%) with 4% sponge spicules, 1% radiolarians and traces of silicoflagellates, glauconite and mica
Mud- and diatom-bearing nannofossil ooze (~15/20/55%) with 5% foraminifers, 3% sponge spicules, 2% radiolarians and traces of silicoflagellates and glauconite
Diatom-bearing mud nannofossil ooze (~20/25/45%) with 5% sponge spicules, 3% foraminifers, 2% radiolarians and traces of glauconite and dolomite

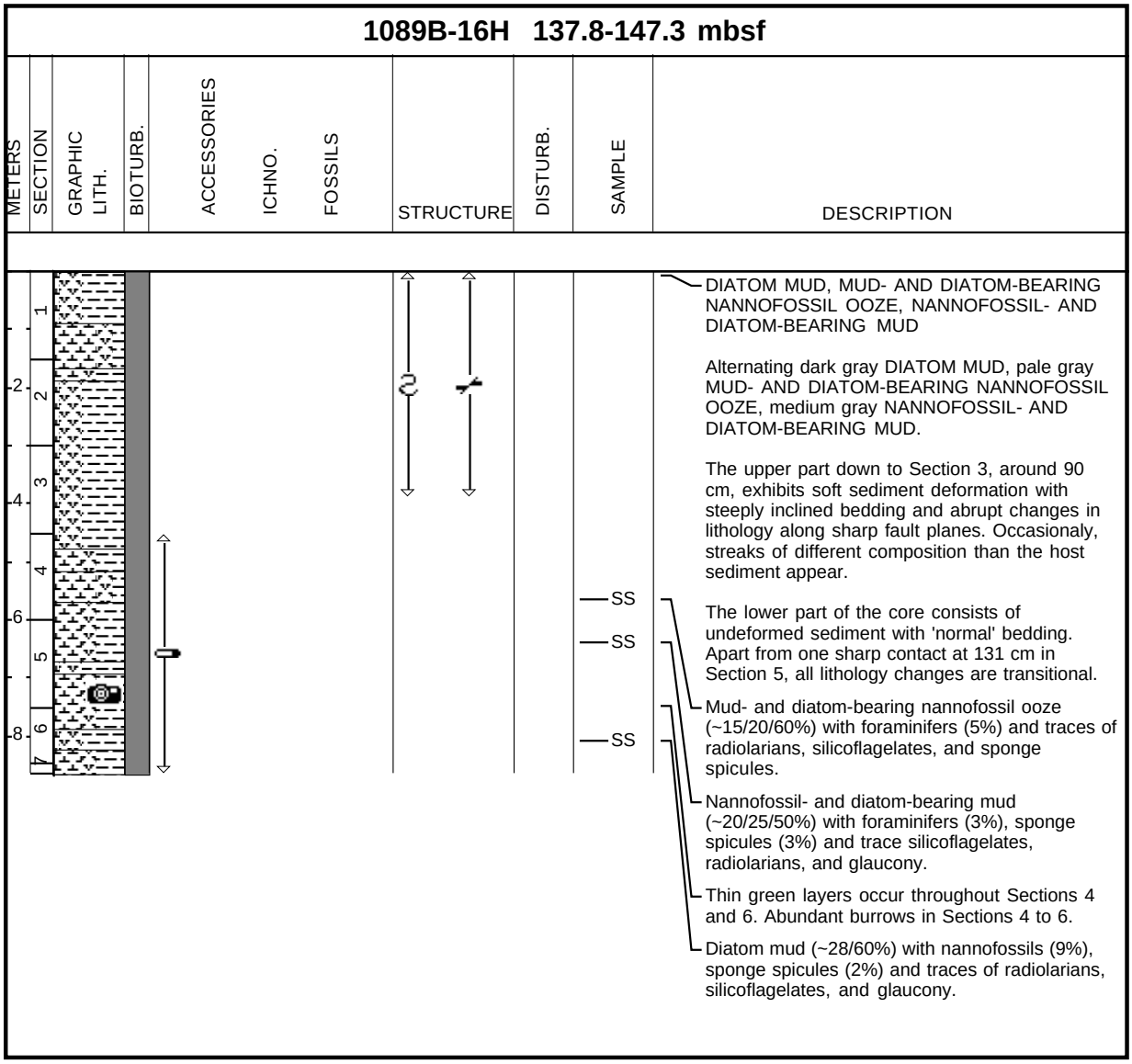
Core Photo


1089B-14H 118.8-128.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM- AND MUD- BEARING NANNOFOSSIL OOZE AND DIATOM MUD
The dominant lithology alternates between more abundant very pale gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE and darker gray DIATOM MUD. Most alternations between these lithological end members appear gradational. Bioturbation appears moderate in the paler sediment and abundant in the darker sediment. Zoophycos is present in Section 5.
Note: Section 1, 0-17 cm, exhibits flow-in

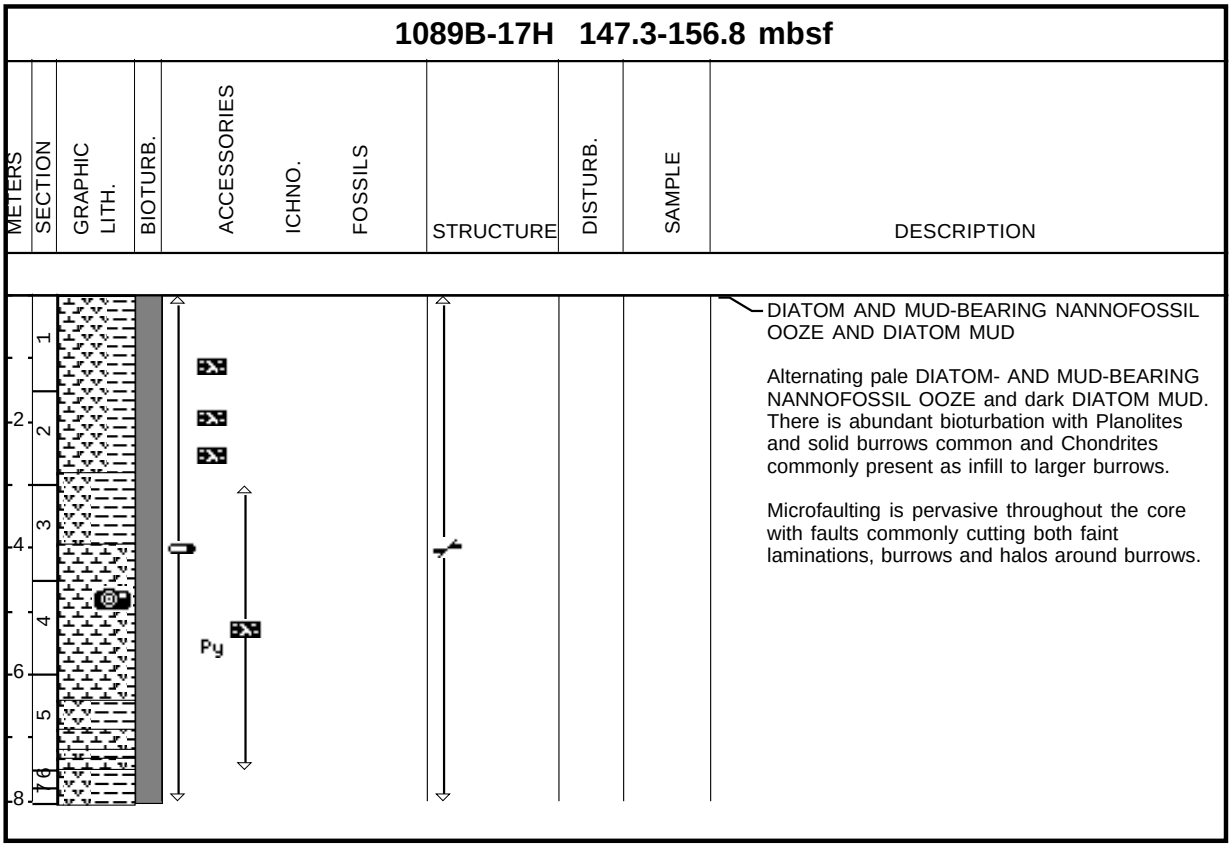
Core Photo


1089B-15H 128.3-137.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM MUD, MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE, and MUD DIATOM-NANNOFOSSIL OOZE
Sections 1 and 2 contain predominantly dark gray DIATOM MUD with pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE occuring from Section 1, 104 cm to Section 2, 12 cm, and medium gray DIATOM-BEARING MUD NANNOFOSSIL OOZE in Section 2, 61-76 cm. Section 3, 11-70 cm is medium gray MUD DIATOM-NANNOFOSSIL OOZE. From there to the core base, dark gray DIATOM MUD dominates except for occurrences of pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE at Section 3, 104-123 cm and from Section 4, 50 cm to Section 5, 50 cm.
Dark green layers are in Section 1. Moderate burrowing and microfaulting occur throughout. In Sections 3-5, steeply-dipping bedding (70-75 degrees) is present.
Diatom mud (~30/60%) with 5% nannofossils, 5% sponge spicules and traces of radiolarians, silicoflagellates and glauconite
Mud diatom-nannofossil ooze (~30/20/45%) with 4% sponge spicules, 1% foraminifers and traces of radiolarians, silicoflagellates and glauconite
Mud- and diatom-bearing nannofossil ooze (~20/20/55%) with 3% sponge spicules, 1% radiolarians, 1% foraminifers and traces of silicoflagellates and glauconite

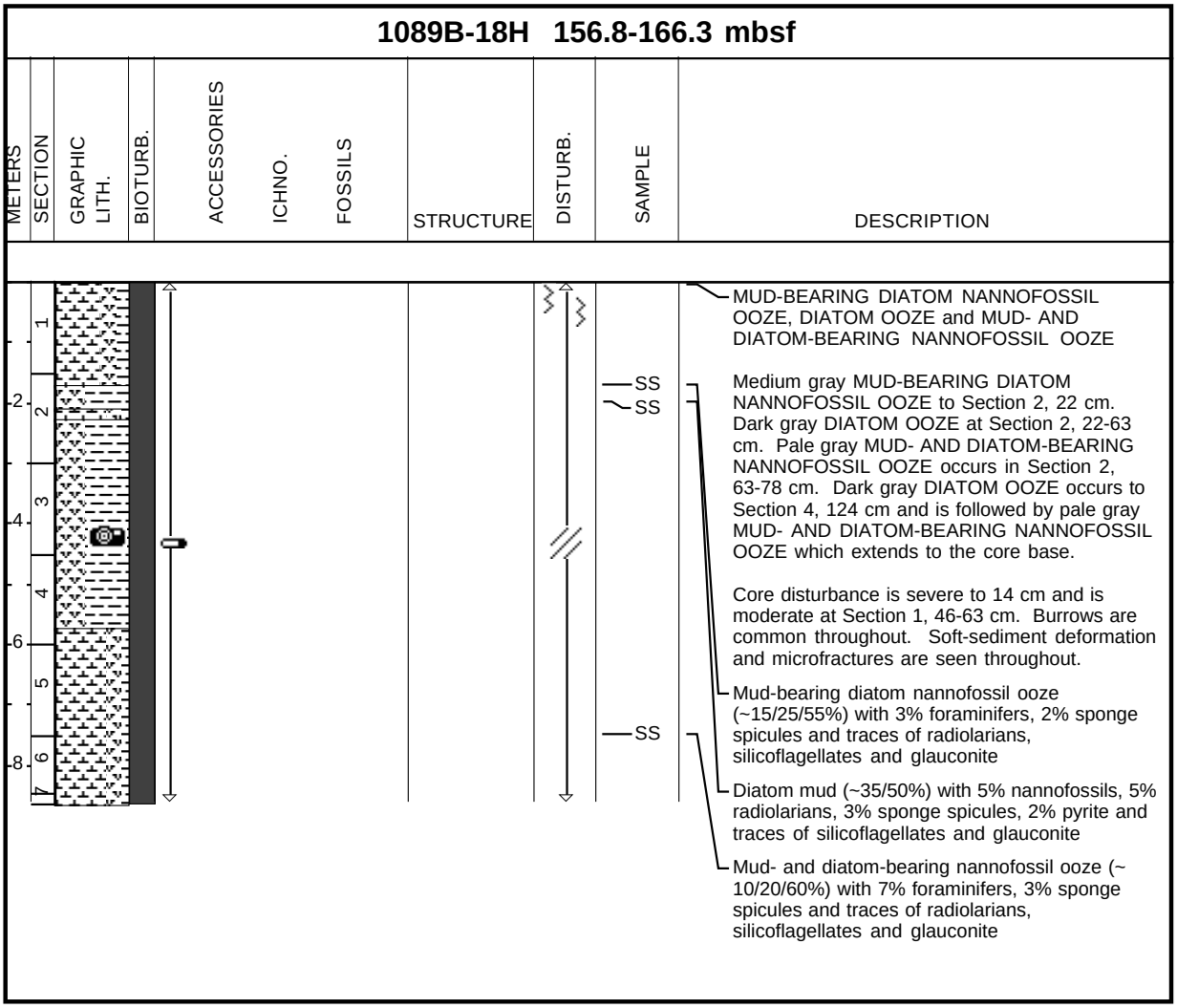
Core Photo


1089B-16H 137.8-147.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM MUD, MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE, NANNOFOSSIL- AND DIATOM-BEARING MUD
Alternating dark gray DIATOM MUD, pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE, medium gray NANNOFOSSIL- AND DIATOM-BEARING MUD.
The upper part down to Section 3, around 90 cm, exhibits soft sediment deformation with steeply inclined bedding and abrupt changes in lithology along sharp fault planes. Occasionaly, streaks of different composition than the host sediment appear.
The lower part of the core consists of undeformed sediment with 'normal' bedding. Apart from one sharp contact at 131 cm in Section 5, all lithology changes are transitional.
Mud- and diatom-bearing nannofossil ooze (~15/20/60%) with foraminifers (5%) and traces of radiolarians, silicoflagelates, and sponge spicules.
Nannofossil- and diatom-bearing mud (~20/25/50%) with foraminifers (3%), sponge spicules (3%) and trace silicoflagelates, radiolarians, and glaucony.
Thin green layers occur throughout Sections 4 and 6. Abundant burrows in Sections 4 to 6.
Diatom mud (~28/60%) with nannofossils (9%), sponge spicules (2%) and traces of radiolarians, silicoflagelates, and glaucony.

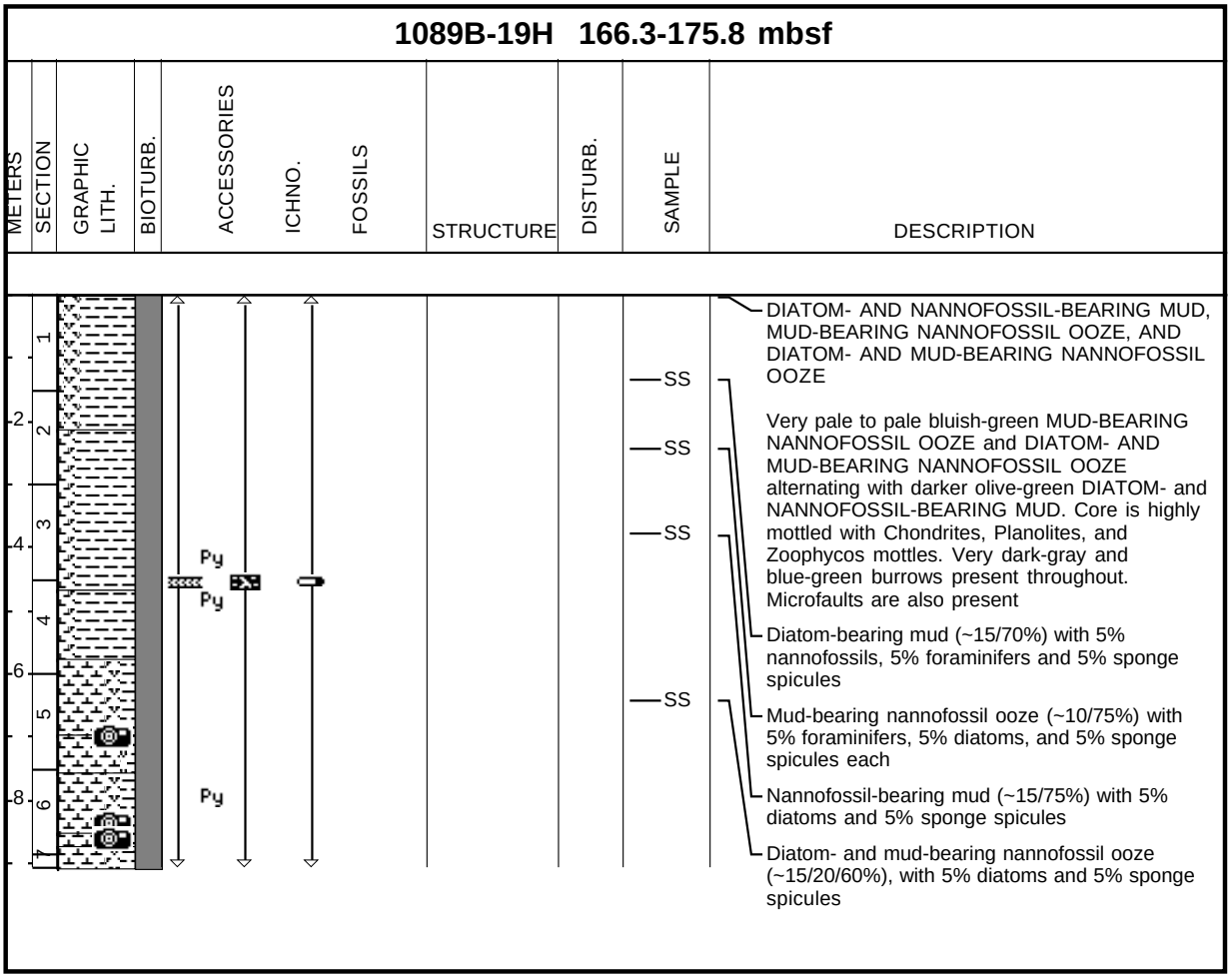
Core Photo


1089B-17H 147.3-156.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
DIATOM AND MUD-BEARING NANNOFOSSIL OOZE AND DIATOM MUD
Alternating pale DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE and dark DIATOM MUD. There is abundant bioturbation with Planolites and solid burrows common and Chondrites commonly present as infill to larger burrows.
Microfaulting is pervasive throughout the core with faults commonly cutting both faint laminations, burrows and halos around burrows.

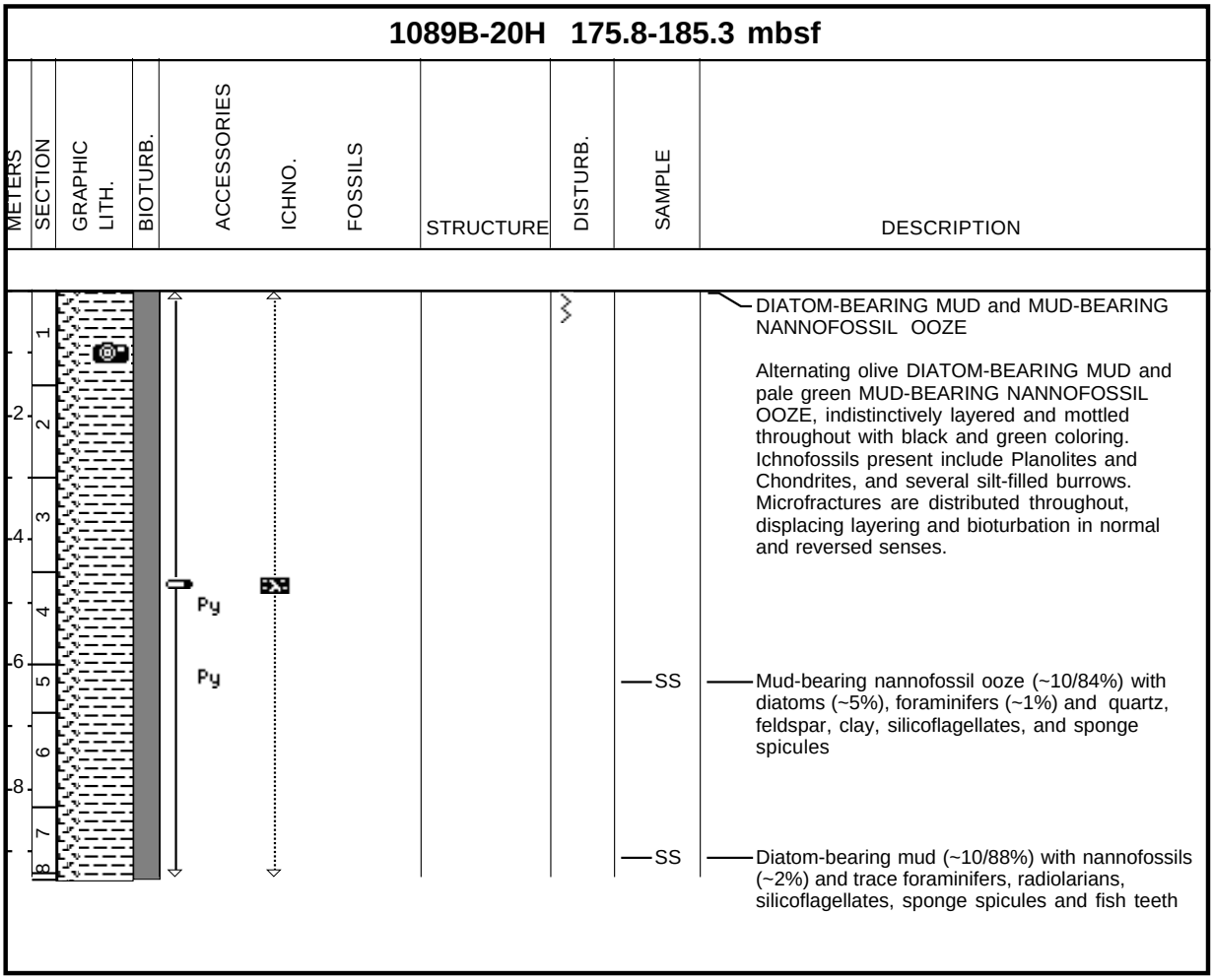
Core Photo


1089B-18H 156.8-166.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
MUD-BEARING DIATOM NANNOFOSSIL OOZE, DIATOM OOZE and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Medium gray MUD-BEARING DIATOM NANNOFOSSIL OOZE to Section 2, 22 cm. Dark gray DIATOM OOZE at Section 2, 22-63 cm. Pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE occurs in Section 2, 63-78 cm. Dark gray DIATOM OOZE occurs to Section 4, 124 cm and is followed by pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE which extends to the core base.
Core disturbance is severe to 14 cm and is moderate at Section 1, 46-63 cm. Burrows are common throughout. Soft-sediment deformation and microfractures are seen throughout.
Mud-bearing diatom nannofossil ooze (~15/25/55%) with 3% foraminifers, 2% sponge spicules and traces of radiolarians, silicoflagellates and glauconite
Diatom mud (~35/50%) with 5% nannofossils, 5% radiolarians, 3% sponge spicules, 2% pyrite and traces of silicoflagellates and glauconite
Mud- and diatom-bearing nannofossil ooze (~ 10/20/60%) with 7% foraminifers, 3% sponge spicules and traces of radiolarians, silicoflagellates and glauconite

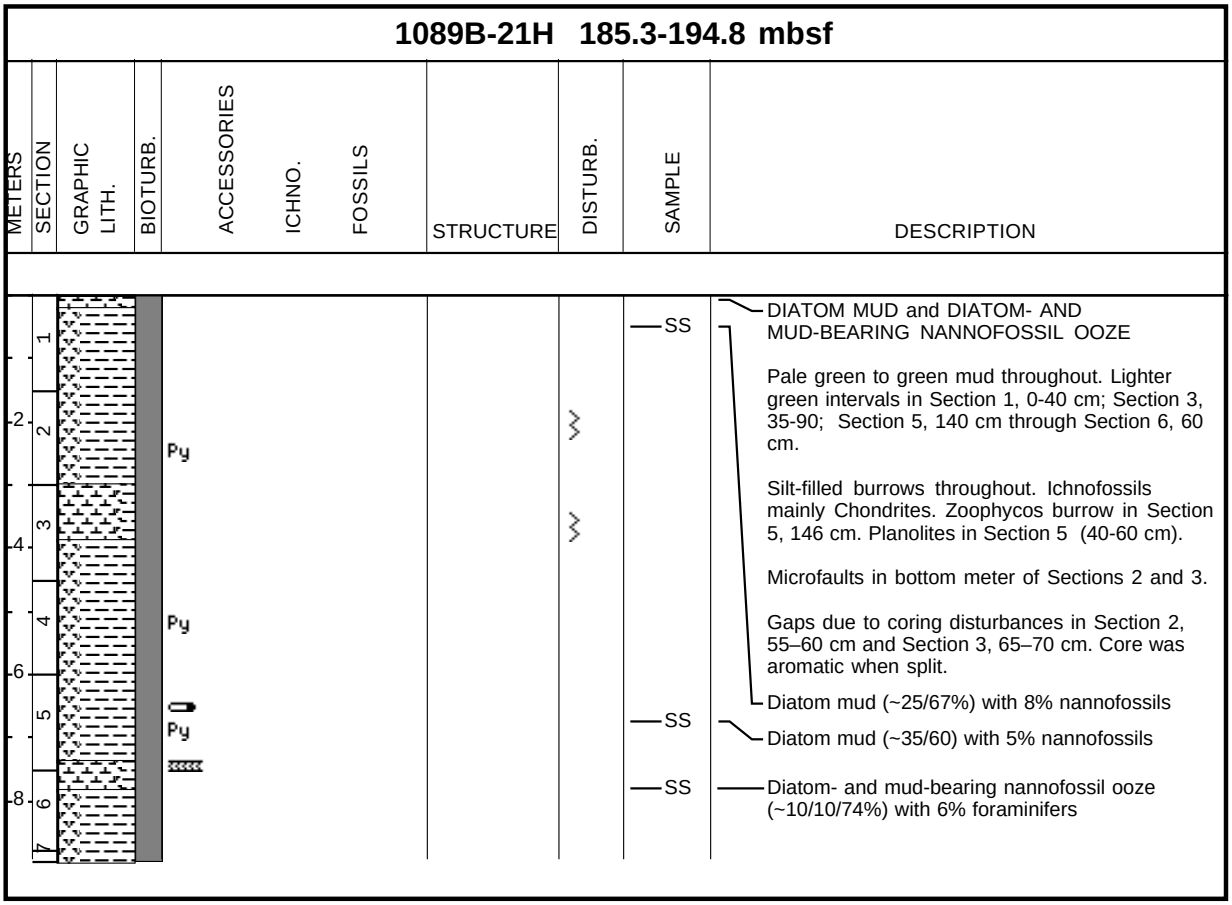
Core Photo


1089B-19H 166.3-175.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
Py
Py
SS
SS
SS
SS
DIATOM- AND NANNOFOSSIL-BEARING MUD, MUD-BEARING NANNOFOSSIL OOZE, AND DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE
Very pale to pale bluish-green MUD-BEARING NANNOFOSSIL OOZE and DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE alternating with darker olive-green DIATOM- and NANNOFOSSIL-BEARING MUD. Core is highly mottled with Chondrites, Planolites, and Zoophycos mottles. Very dark-gray and blue-green burrows present throughout. Microfaults are also present
Diatom-bearing mud (~15/70%) with 5% nannofossils, 5% foraminifers and 5% sponge spicules
Mud-bearing nannofossil ooze (~10/75%) with 5% foraminifers, 5% diatoms, and 5% sponge spicules each
Nannofossil-bearing mud (~15/75%) with 5% diatoms and 5% sponge spicules
Diatom- and mud-bearing nannofossil ooze (~15/20/60%), with 5% diatoms and 5% sponge spicules

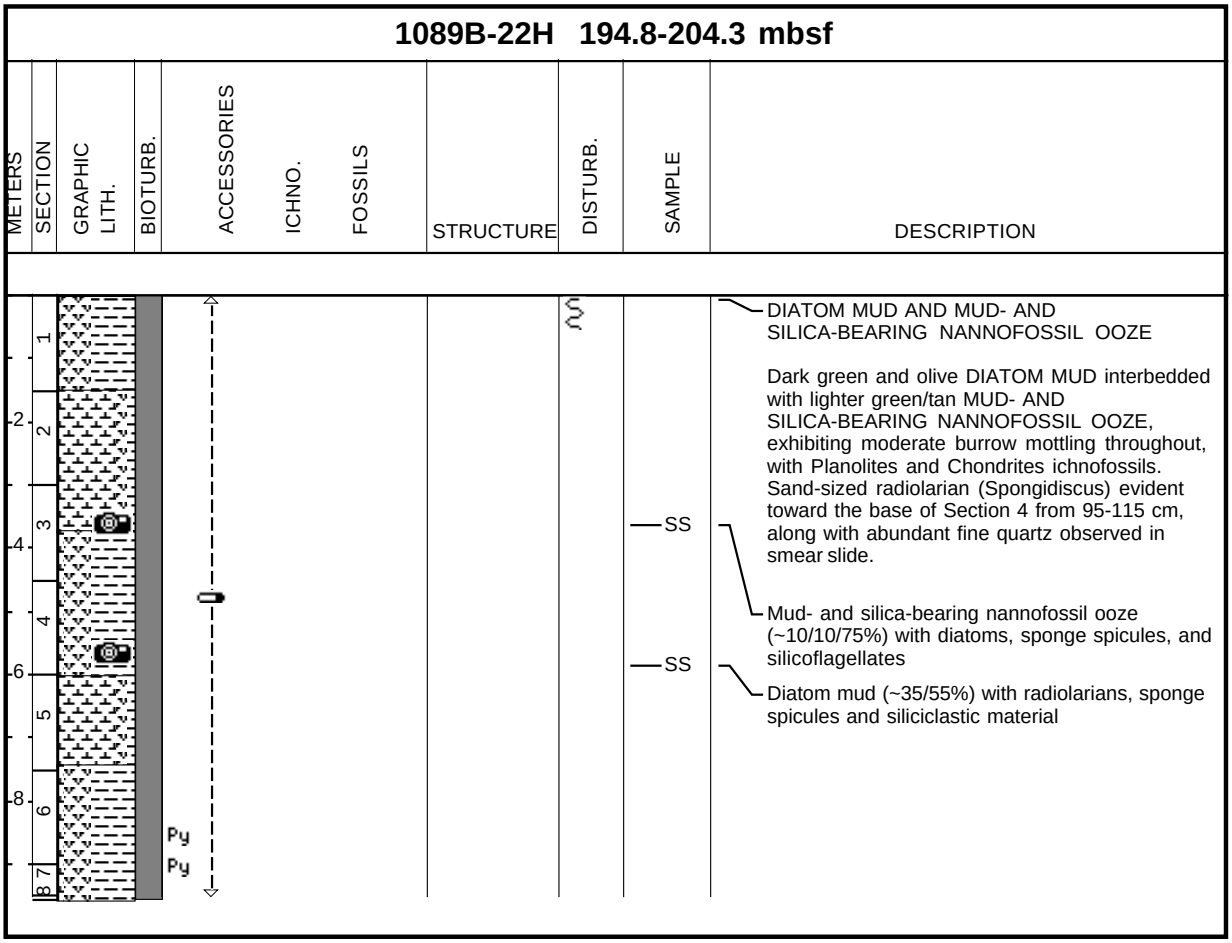
Core Photo


1089B-20H 175.8-185.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
Py
SS
SS
DIATOM-BEARING MUD and MUD-BEARING NANNOFOSSIL OOZE
Alternating olive DIATOM-BEARING MUD and pale green MUD-BEARING NANNOFOSSIL OOZE, indistinctively layered and mottled throughout with black and green coloring. Ichnofossils present include Planolites and Chondrites, and several silt-filled burrows. Microfractures are distributed throughout, displacing layering and bioturbation in normal and reversed senses.
Mud-bearing nannofossil ooze (~10/84%) with diatoms (~5%), foraminifers (~1%) and quartz, feldspar, clay, silicoflagellates, and sponge spicules
Diatom-bearing mud (~10/88%) with nannofossils (~2%) and trace foraminifers, radiolarians, silicoflagellates, sponge spicules and fish teeth

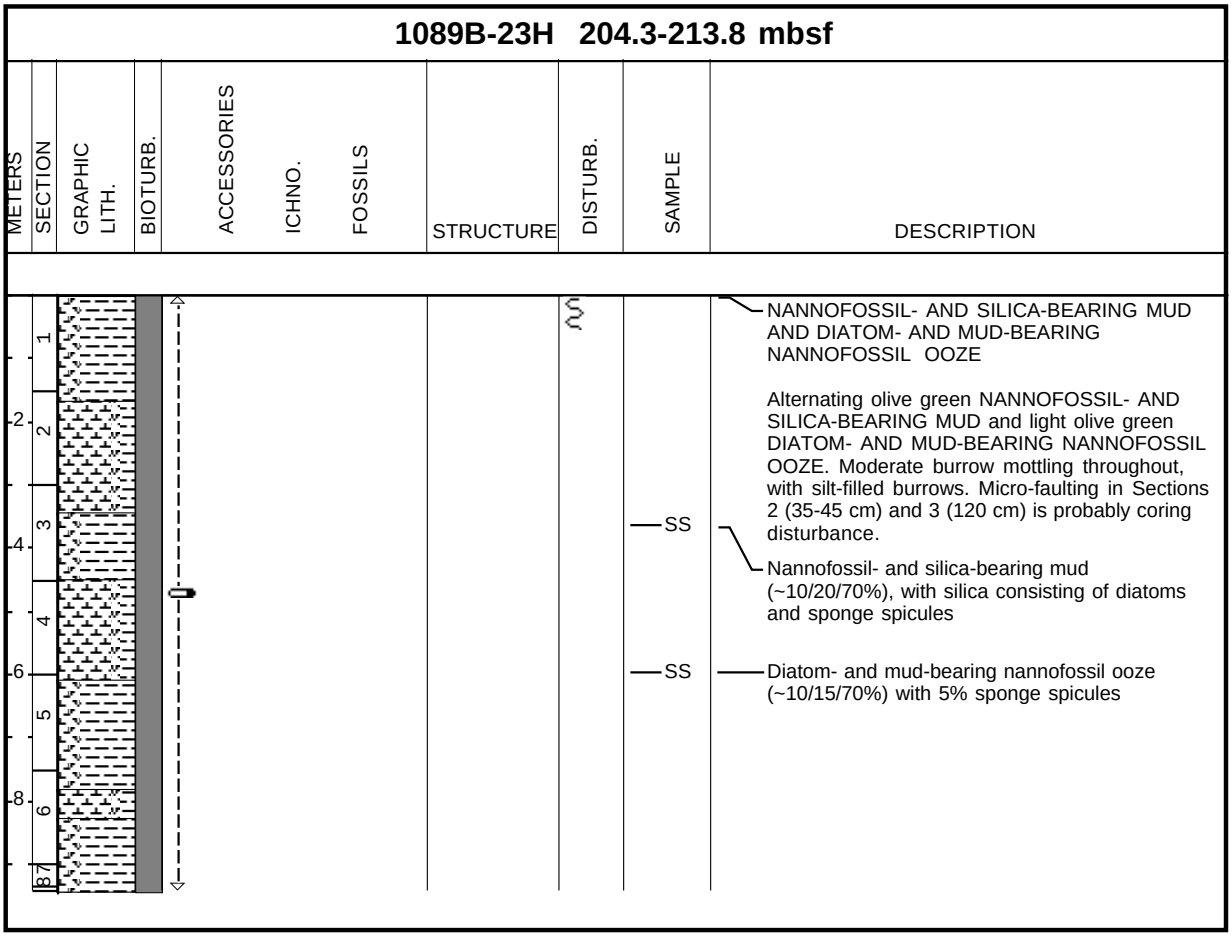
Core Photo


1089B-21H 185.3-194.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
Py
Py
SS
SS
SS
DIATOM MUD and DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE
Pale green to green mud throughout. Lighter green intervals in Section 1, 0-40 cm; Section 3, 35-90; Section 5, 140 cm through Section 6, 60 cm.
Silt-filled burrows throughout. Ichnofossils mainly Chondrites. Zoophycos burrow in Section 5, 146 cm. Planolites in Section 5 (40-60 cm).
Microfaults in bottom meter of Sections 2 and 3.
Gaps due to coring disturbances in Section 2, 55–60 cm and Section 3, 65–70 cm. Core was aromatic when split.
Diatom mud (~25/67%) with 8% nannofossils
Diatom mud (~35/60) with 5% nannofossils
Diatom- and mud-bearing nannofossil ooze (~10/10/74%) with 6% foraminifers

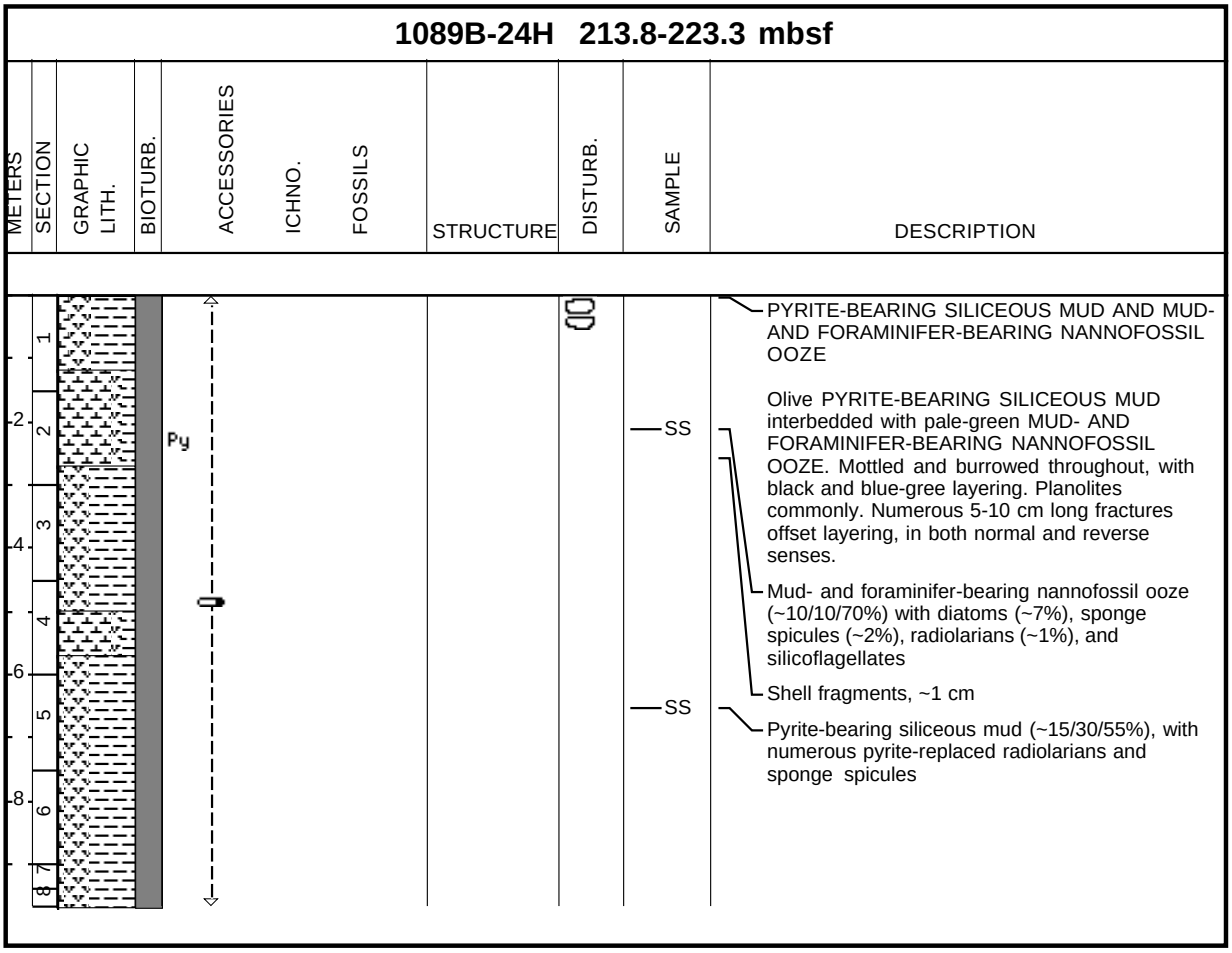
Core Photo


1089B-22H 194.8-204.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD AND MUD- AND SILICA-BEARING NANNOFOSSIL OOZE
Dark green and olive DIATOM MUD interbedded with lighter green/tan MUD- AND SILICA-BEARING NANNOFOSSIL OOZE, exhibiting moderate burrow mottling throughout, with Planolites and Chondrites ichnofossils. Sand-sized radiolarian (Spongidiscus) evident toward the base of Section 4 from 95-115 cm, along with abundant fine quartz observed in smear slide.
SS
Mud- and silica-bearing nannofossil ooze (~10/10/75%) with diatoms, sponge spicules, and silicoflagellates
SS
Diatom mud (~35/55%) with radiolarians, sponge spicules and siliciclastic material
Py
Py

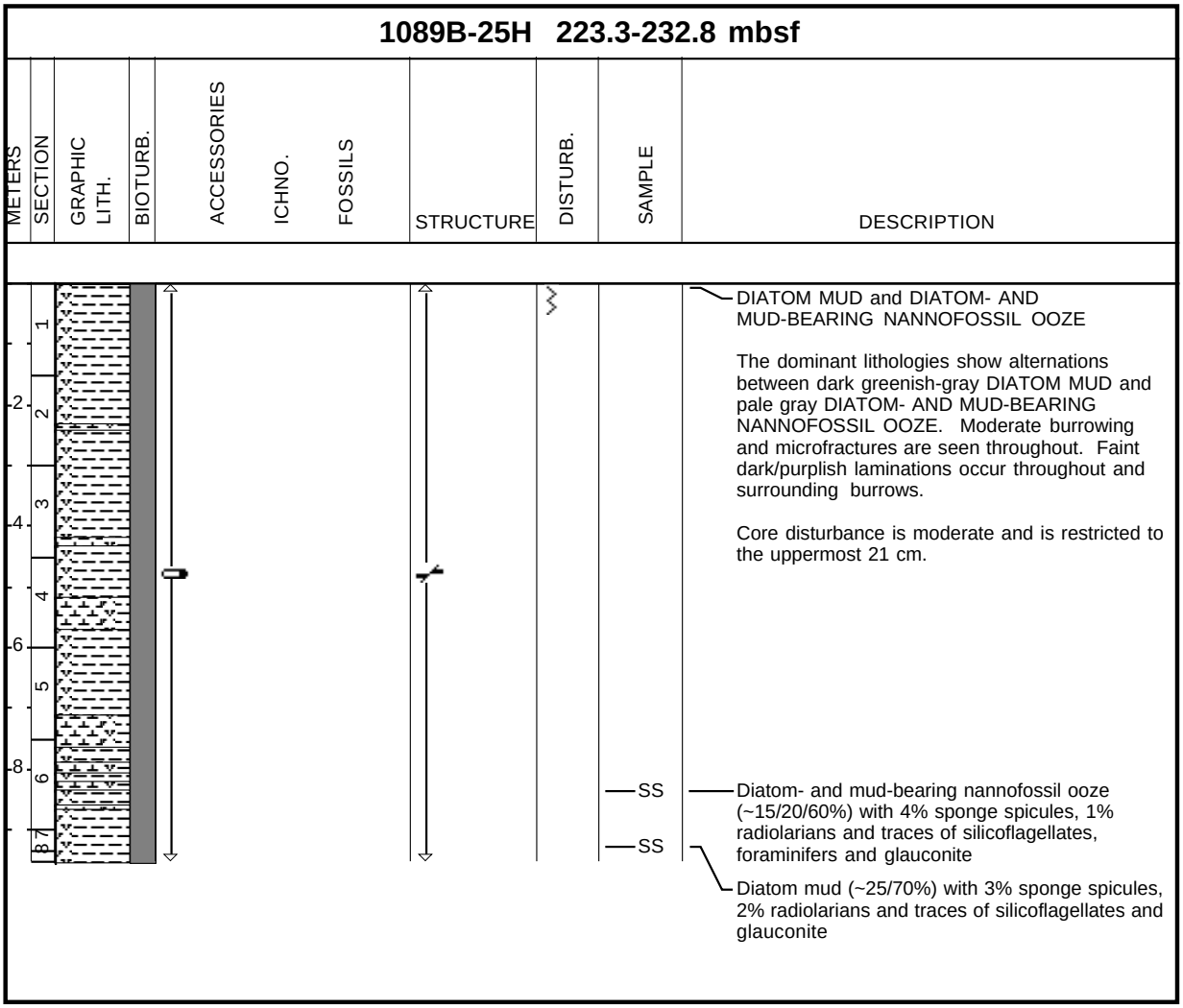
Core Photo


1089B-23H 204.3-213.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
NANNOFOSSIL- AND SILICA-BEARING MUD AND DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE
Alternating olive green NANNOFOSSIL- AND SILICA-BEARING MUD and light olive green DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE. Moderate burrow mottling throughout, with silt-filled burrows. Micro-faulting in Sections 2 (35-45 cm) and 3 (120 cm) is probably coring disturbance.
SS
Nannofossil- and silica-bearing mud (~10/20/70%), with silica consisting of diatoms and sponge spicules
SS
Diatom- and mud-bearing nannofossil ooze (~10/15/70%) with 5% sponge spicules

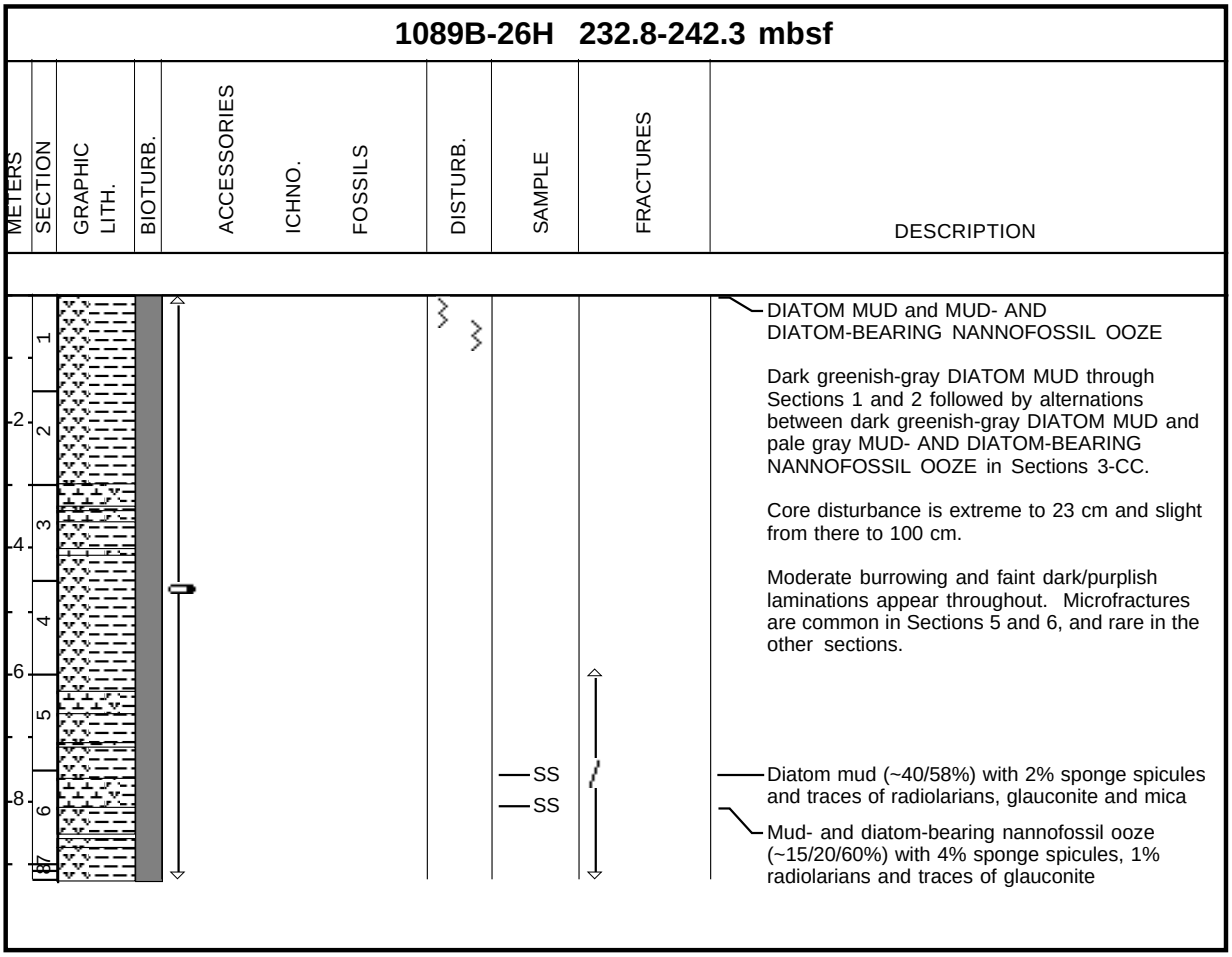
Core Photo


1089B-24H 213.8-223.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
SS
SS
PYRITE-BEARING SILICEOUS MUD AND MUD- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE
Olive PYRITE-BEARING SILICEOUS MUD interbedded with pale-green MUD- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE. Mottled and burrowed throughout, with black and blue-gree layering. Planolites commonly. Numerous 5-10 cm long fractures offset layering, in both normal and reverse senses.
Mud- and foraminifer-bearing nannofossil ooze (~10/10/70%) with diatoms (~7%), sponge spicules (~2%), radiolarians (~1%), and silicoflagellates
Shell fragments, ~1 cm
Pyrite-bearing siliceous mud (~15/30/55%), with numerous pyrite-replaced radiolarians and sponge spicules

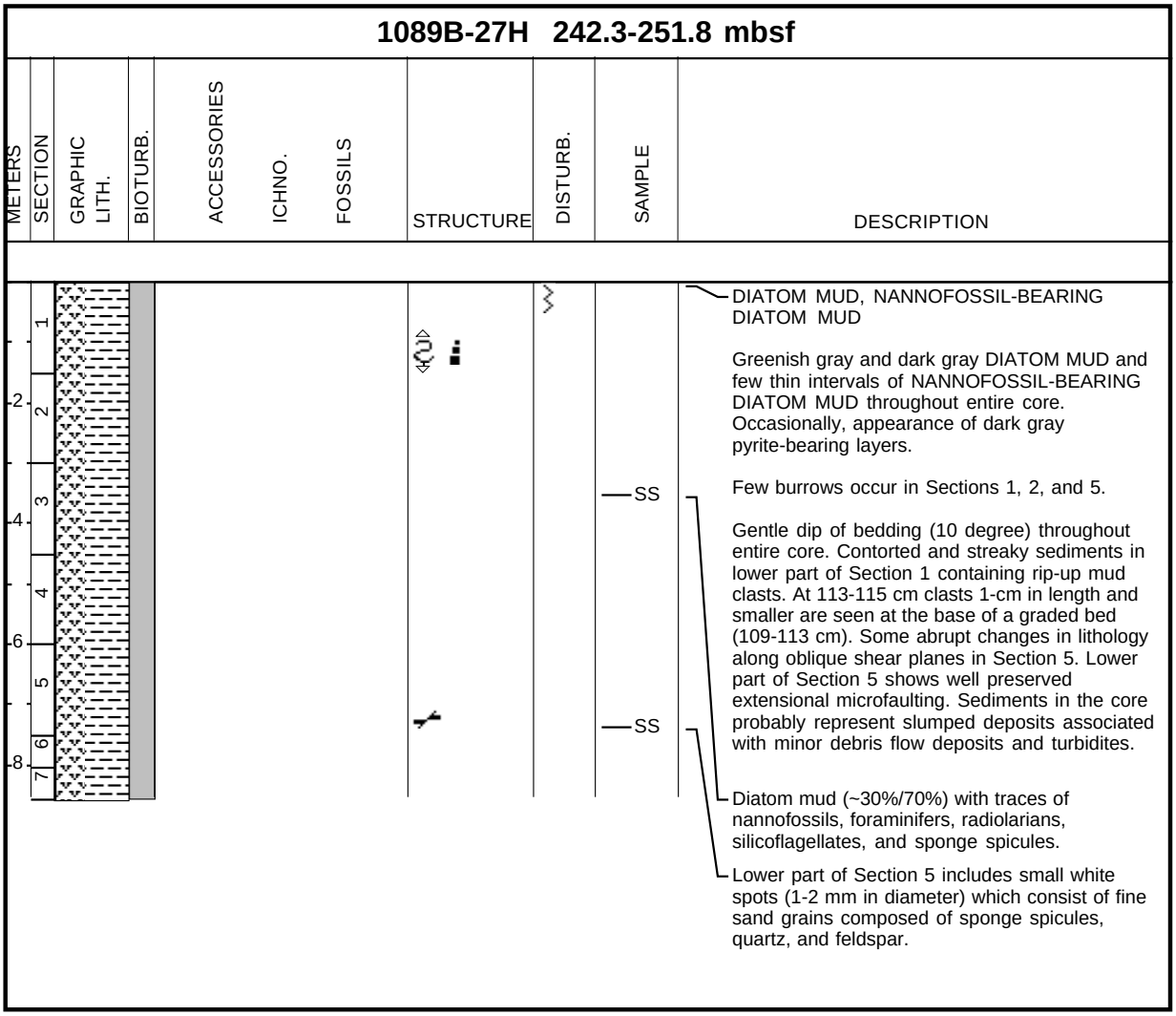
Core Photo


1089B-25H 223.3-232.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD and DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE
The dominant lithologies show alternations between dark greenish-gray DIATOM MUD and pale gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE. Moderate burrowing and microfractures are seen throughout. Faint dark/purplish laminations occur throughout and surrounding burrows.
Core disturbance is moderate and is restricted to the uppermost 21 cm.
SS
Diatom- and mud-bearing nannofossil ooze (~15/20/60%) with 4% sponge spicules, 1% radiolarians and traces of silicoflagellates, foraminifers and glauconite
SS
Diatom mud (~25/70%) with 3% sponge spicules, 2% radiolarians and traces of silicoflagellates and glauconite

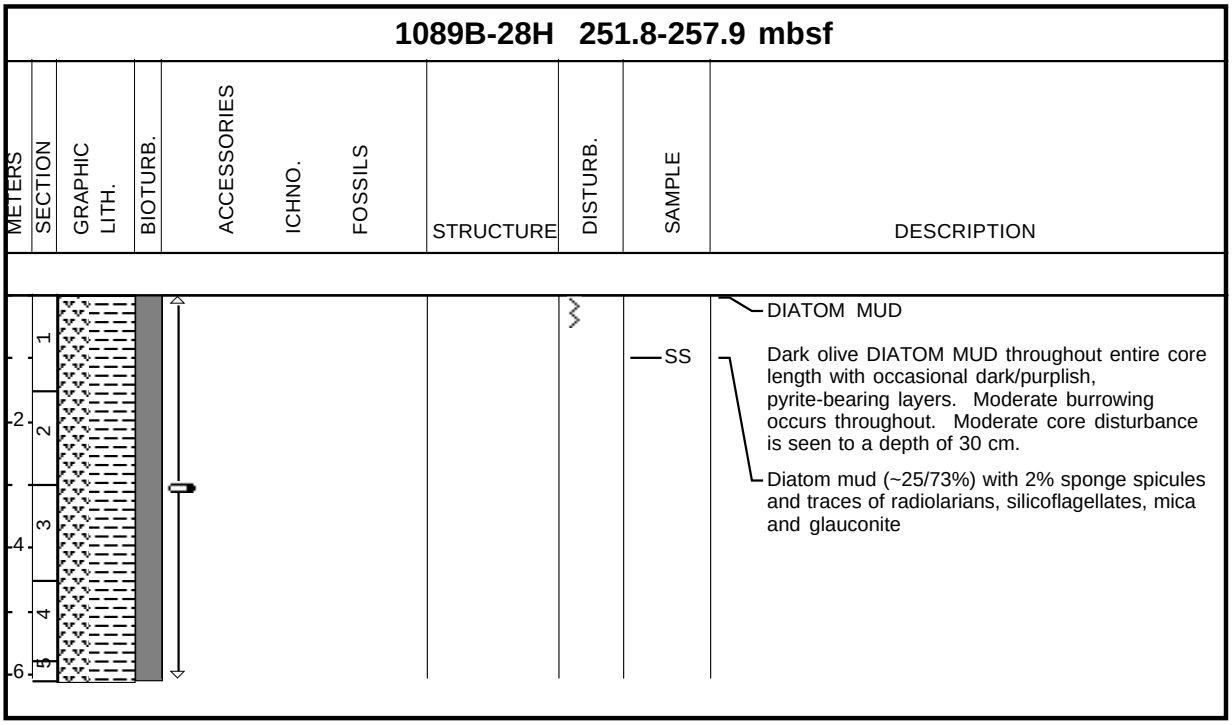
Core Photo


1089B-26H 232.8-242.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
FRACTURES
DESCRIPTION
DIATOM MUD and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Dark greenish-gray DIATOM MUD through Sections 1 and 2 followed by alternations between dark greenish-gray DIATOM MUD and pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE in Sections 3-CC.
Core disturbance is extreme to 23 cm and slight from there to 100 cm.
Moderate burrowing and faint dark/purplish laminations appear throughout. Microfractures are common in Sections 5 and 6, and rare in the other sections.
SS
SS
Diatom mud (~40/58%) with 2% sponge spicules and traces of radiolarians, glauconite and mica
Mud- and diatom-bearing nannofossil ooze (~15/20/60%) with 4% sponge spicules, 1% radiolarians and traces of glauconite

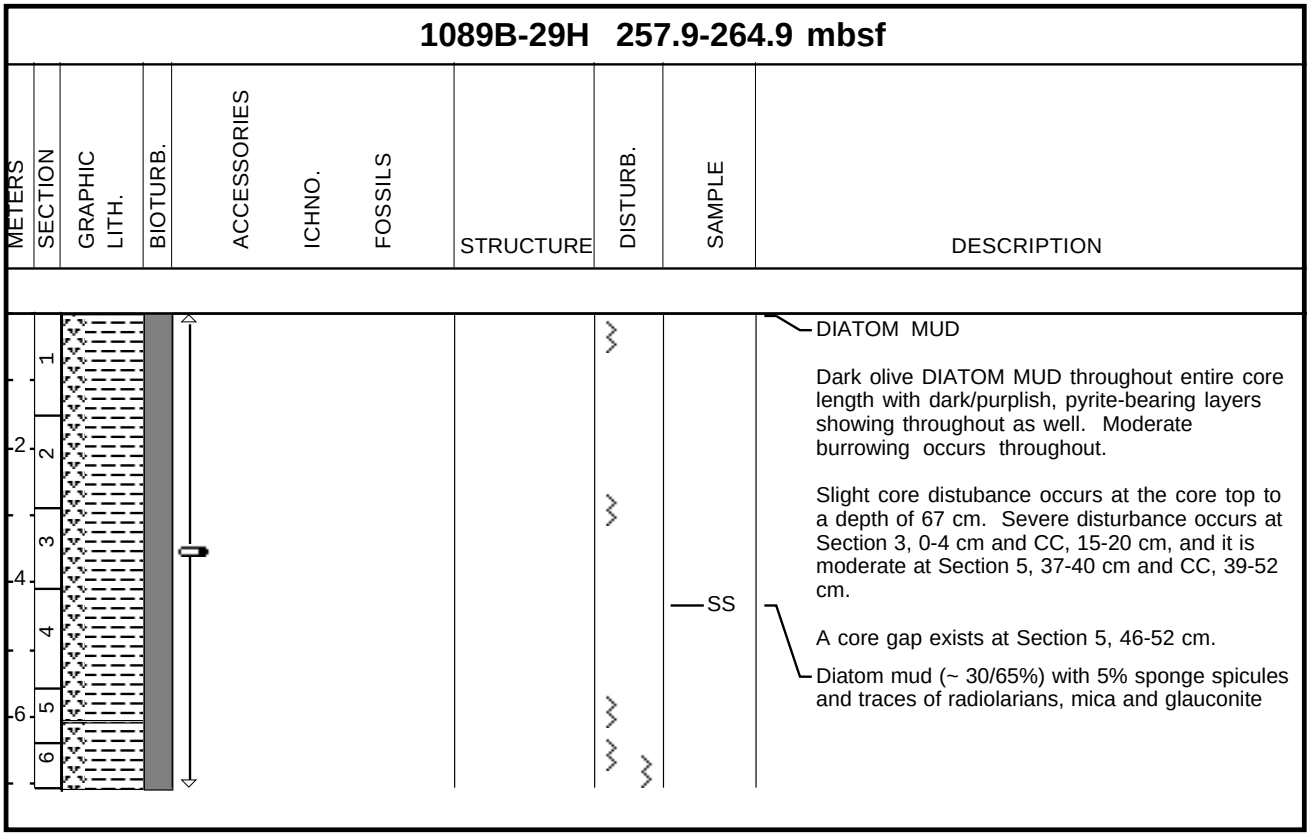
Core Photo


1089B-27H 242.3-251.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM MUD, NANNOFOSSIL-BEARING DIATOM MUD
Greenish gray and dark gray DIATOM MUD and few thin intervals of NANNOFOSSIL-BEARING DIATOM MUD throughout entire core. Occasionally, appearance of dark gray pyrite-bearing layers.
Few burrows occur in Sections 1, 2, and 5.
Gentle dip of bedding (10 degree) throughout entire core. Contorted and streaky sediments in lower part of Section 1 containing rip-up mud clasts. At 113-115 cm clasts 1-cm in length and smaller are seen at the base of a graded bed (109-113 cm). Some abrupt changes in lithology along oblique shear planes in Section 5. Lower part of Section 5 shows well preserved extensional microfaulting. Sediments in the core probably represent slumped deposits associated with minor debris flow deposits and turbidites.
Diatom mud (~30%/70%) with traces of nannofossils, foraminifers, radiolarians, silicoflagellates, and sponge spicules.
Lower part of Section 5 includes small white spots (1-2 mm in diameter) which consist of fine sand grains composed of sponge spicules, quartz, and feldspar.

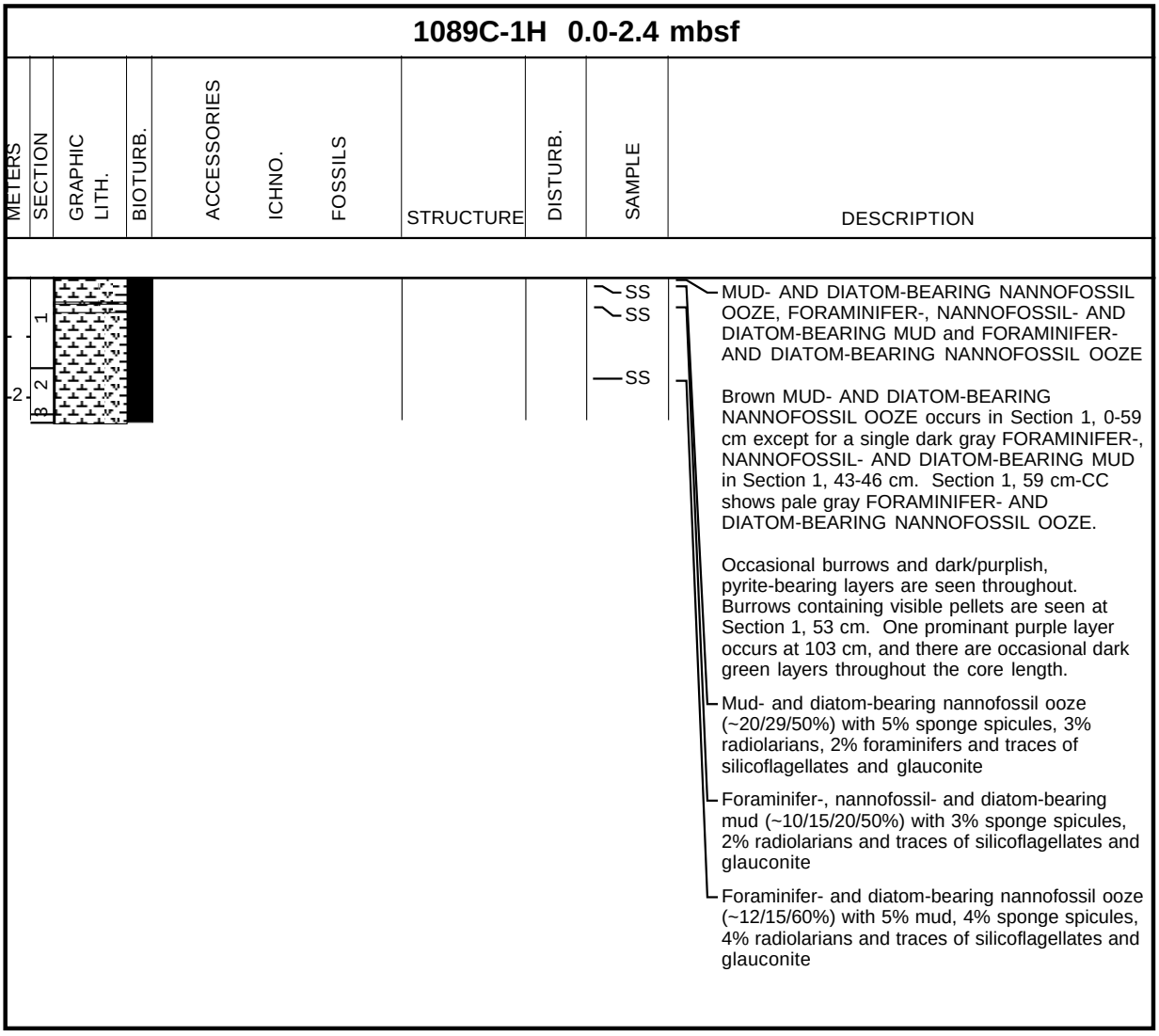
Core Photo


1089B-28H 251.8-257.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD
SS
Dark olive DIATOM MUD throughout entire core length with occasional dark/purplish, pyrite-bearing layers. Moderate burrowing occurs throughout. Moderate core disturbance is seen to a depth of 30 cm.
Diatom mud (~25/73%) with 2% sponge spicules and traces of radiolarians, silicoflagellates, mica and glauconite

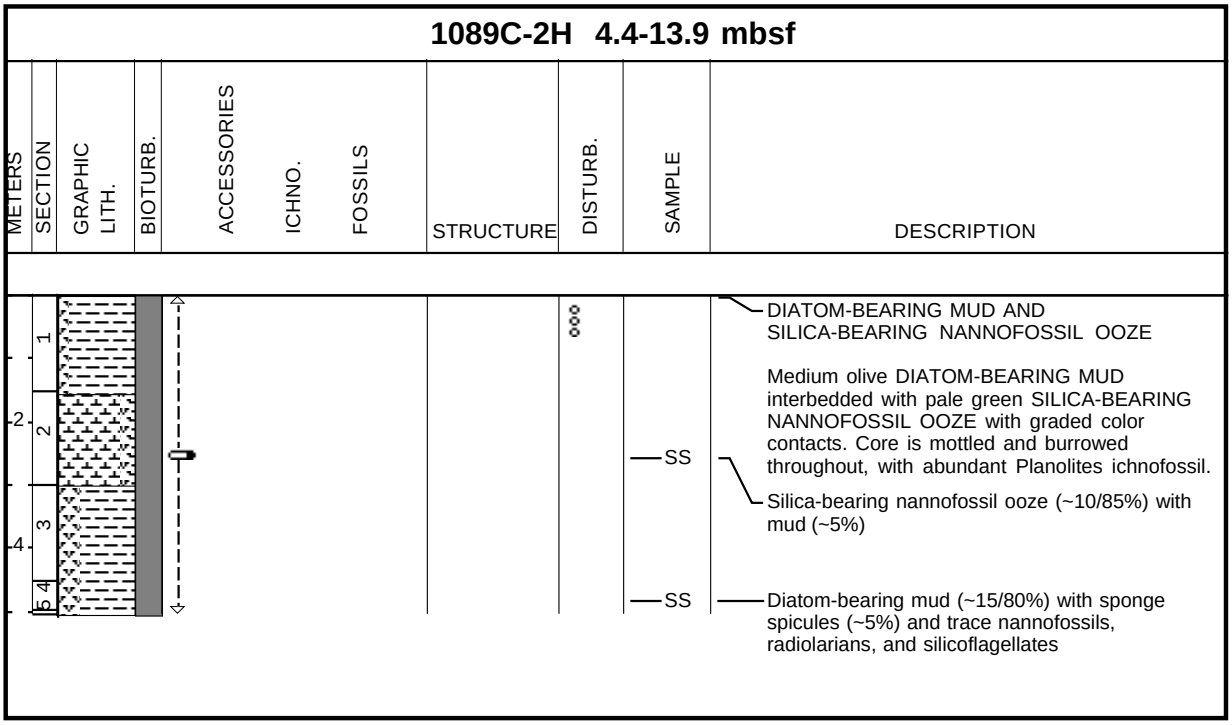
Core Photo


1089B-29H 257.9-264.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
DIATOM MUD
Dark olive DIATOM MUD throughout entire core length with dark/purplish, pyrite-bearing layers showing throughout as well. Moderate burrowing occurs throughout.
Slight core distubance occurs at the core top to a depth of 67 cm. Severe disturbance occurs at Section 3, 0-4 cm and CC, 15-20 cm, and it is moderate at Section 5, 37-40 cm and CC, 39-52 cm.
A core gap exists at Section 5, 46-52 cm.
Diatom mud (~ 30/65%) with 5% sponge spicules and traces of radiolarians, mica and glauconite

Core Photo


1089C-1H 0.0-2.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
CC
-2
SS
SS
SS
MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE, FORAMINIFER-, NANNOFOSSIL- AND DIATOM-BEARING MUD and FORAMINIFER- AND DIATOM-BEARING NANNOFOSSIL OOZE
Brown MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE occurs in Section 1, 0-59 cm except for a single dark gray FORAMINIFER-, NANNOFOSSIL- AND DIATOM-BEARING MUD in Section 1, 43-46 cm. Section 1, 59 cm-CC shows pale gray FORAMINIFER- AND DIATOM-BEARING NANNOFOSSIL OOZE.
Occasional burrows and dark/purplish, pyrite-bearing layers are seen throughout. Burrows containing visible pellets are seen at Section 1, 53 cm. One prominant purple layer occurs at 103 cm, and there are occasional dark green layers throughout the core length.
Mud- and diatom-bearing nannofossil ooze (~20/29/50%) with 5% sponge spicules, 3% radiolarians, 2% foraminifers and traces of silicoflagellates and glauconite
Foraminifer-, nannofossil- and diatom-bearing mud (~10/15/20/50%) with 3% sponge spicules, 2% radiolarians and traces of silicoflagellates and glauconite
Foraminifer- and diatom-bearing nannofossil ooze (~12/15/60%) with 5% mud, 4% sponge spicules, 4% radiolarians and traces of silicoflagellates and glauconite

Core Photo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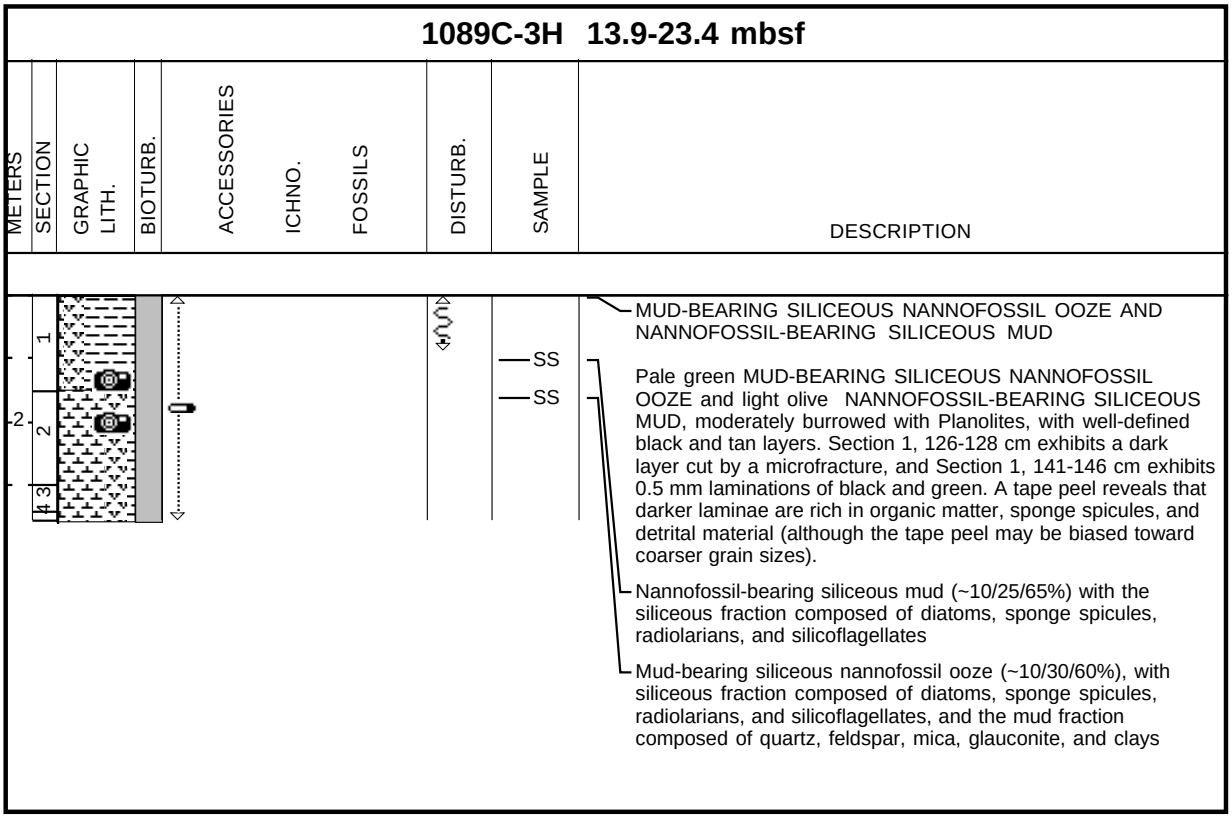
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
2
4
SS
SS
DIATOM-BEARING MUD AND SILICA-BEARING NANNOFOSSIL OOZE
Medium olive DIATOM-BEARING MUD interbedded with pale green SILICA-BEARING NANNOFOSSIL OOZE with graded color contacts. Core is mottled and burrowed throughout, with abundant Planolites ichnofossil.
Silica-bearing nannofossil ooze (~10/85%) with mud (~5%)
Diatom-bearing mud (~15/80%) with sponge spicules (~5%) and trace nannofossils, radiolarians, and silicoflagellates

Core Photo


1089C-3H 13.9-23.4 mbsf
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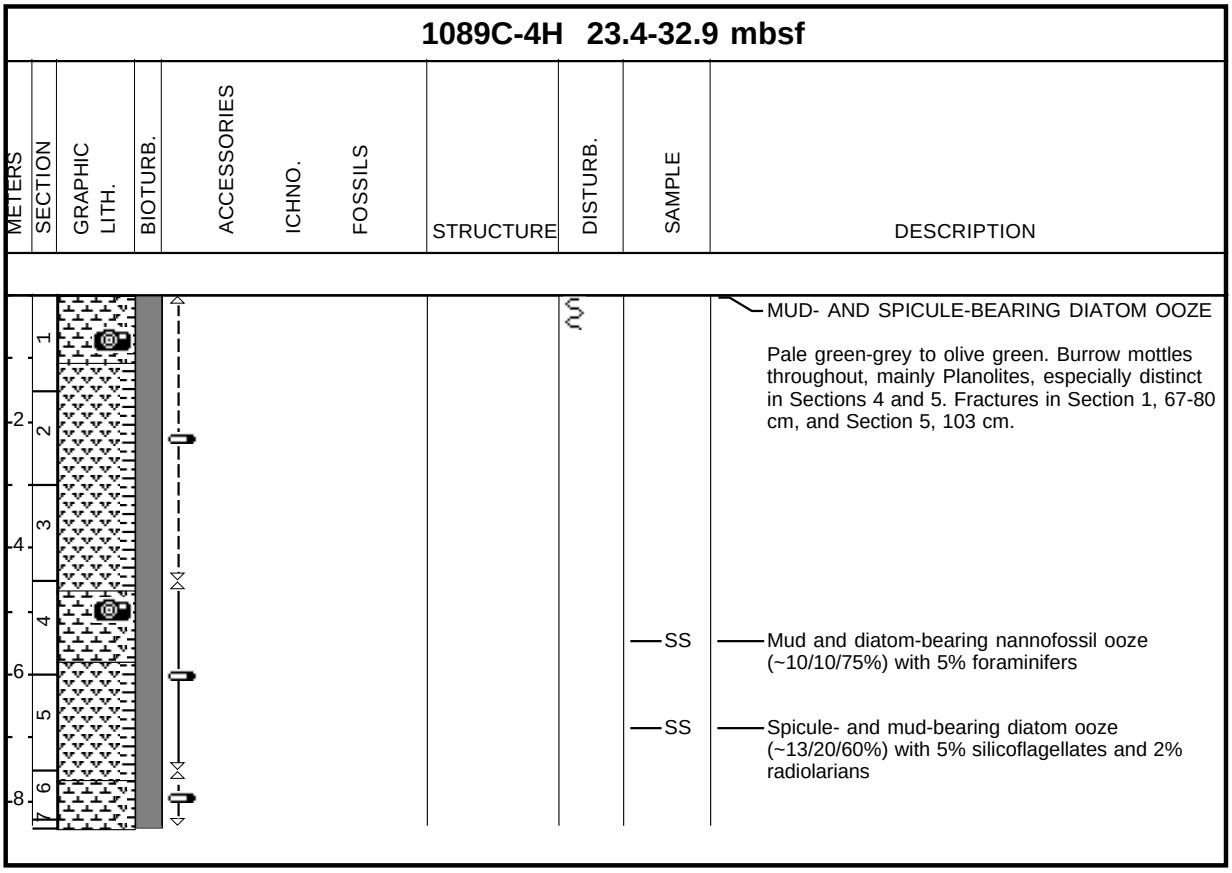
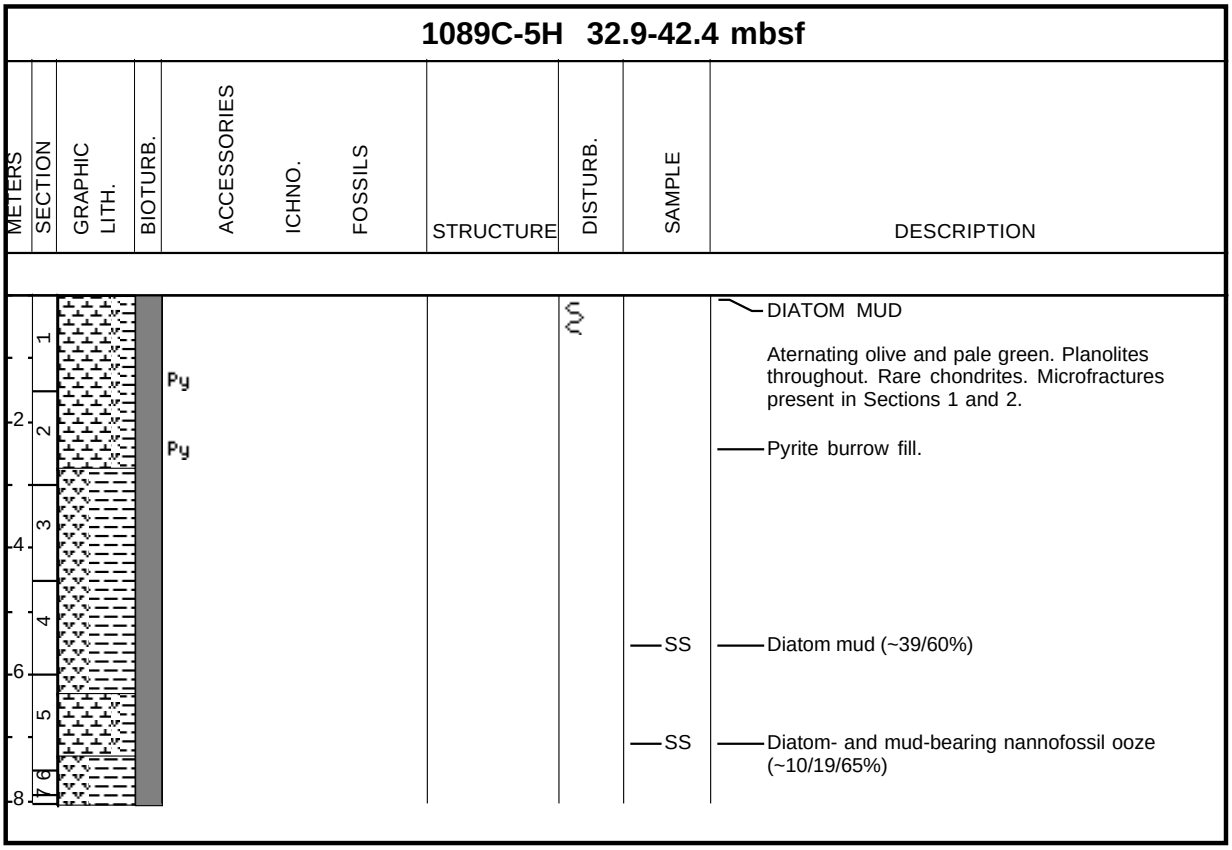
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
2
SS
SS
MUD-BEARING SILICEOUS NANNOFOSSIL OOZE AND NANNOFOSSIL-BEARING SILICEOUS MUD
Pale green MUD-BEARING SILICEOUS NANNOFOSSIL OOZE and light olive NANNOFOSSIL-BEARING SILICEOUS MUD, moderately burrowed with Planolites, with well-defined black and tan layers. Section 1, 126-128 cm exhibits a dark layer cut by a microfracture, and Section 1, 141-146 cm exhibits 0.5 mm laminations of black and green. A tape peel reveals that darker laminae are rich in organic matter, sponge spicules, and detrital material (although the tape peel may be biased toward coarser grain sizes).
Nannofossil-bearing siliceous mud (~10/25/65%) with the siliceous fraction composed of diatoms, sponge spicules, radiolarians, and silicoflagellates
Mud-bearing siliceous nannofossil ooze (~10/30/60%), with siliceous fraction composed of diatoms, sponge spicules, radiolarians, and silicoflagellates, and the mud fraction composed of quartz, feldspar, mica, glauconite, and clays

Core Photo


1089C-4H 23.4-32.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD- AND SPICULE-BEARING DIATOM OOZE
Pale green-grey to olive green. Burrow mottles throughout, mainly Planolites, especially distinct in Sections 4 and 5. Fractures in Section 1, 67-80 cm, and Section 5, 103 cm.
SS
Mud and diatom-bearing nannofossil ooze (~10/10/75%) with 5% foraminifers
SS
Spicule- and mud-bearing diatom ooze (~13/20/60%) with 5% silicoflagellates and 2% radiolarians

Core Photo


1089C-5H 32.9-42.4 mbsf
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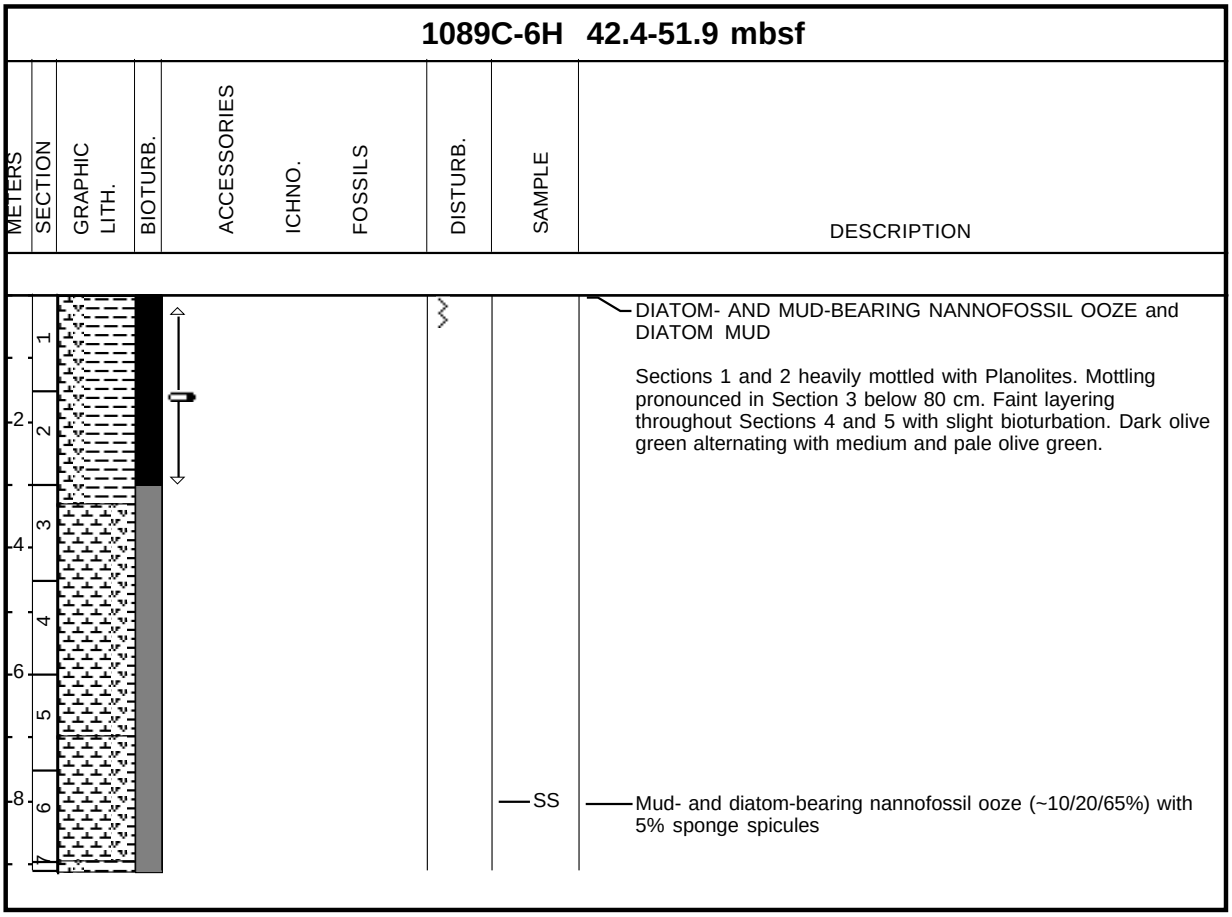
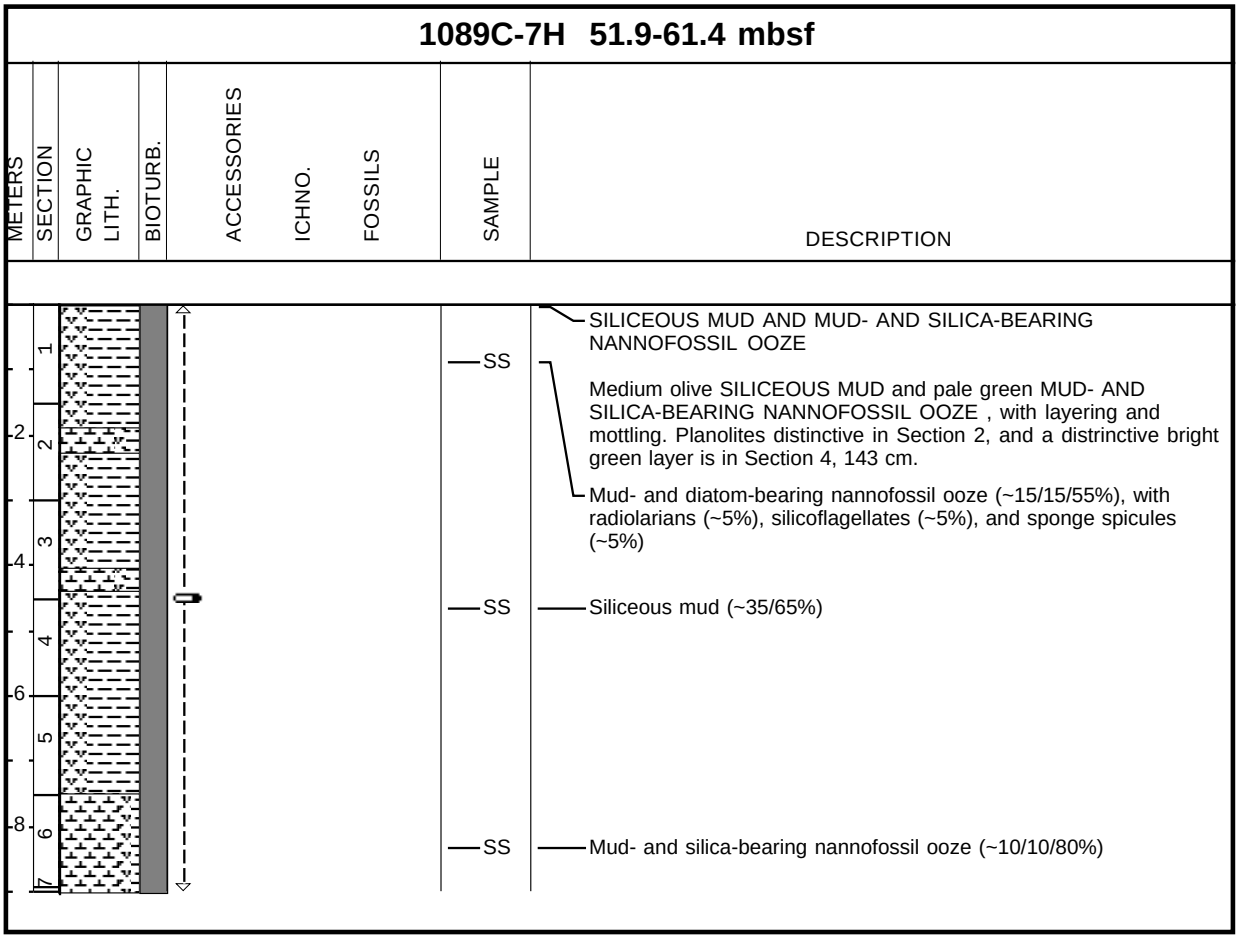
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
Py
SS
SS
DIATOM MUD
Aternating olive and pale green. Planolites throughout. Rare chondrites. Microfractures present in Sections 1 and 2.
Pyrite burrow fill.
Diatom mud (~39/60%)
Diatom- and mud-bearing nannofossil ooze (~10/19/65%)

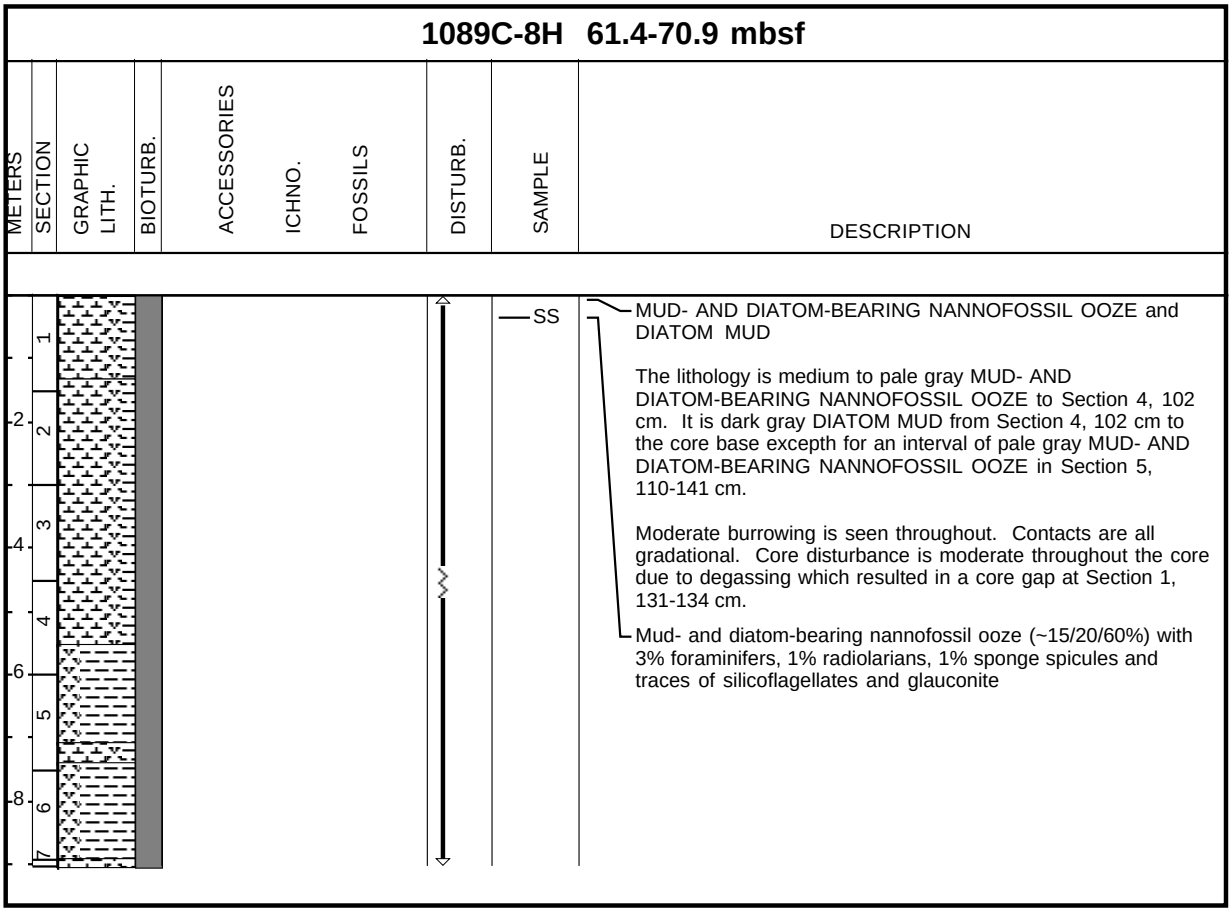
Core Photo


1089C-6H 42.4-51.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE and DIATOM MUD
Sections 1 and 2 heavily mottled with Planolites. Mottling pronounced in Section 3 below 80 cm. Faint layering throughout Sections 4 and 5 with slight bioturbation. Dark olive green alternating with medium and pale olive green.
SS
Mud- and diatom-bearing nannofossil ooze (~10/20/65%) with 5% sponge spicules

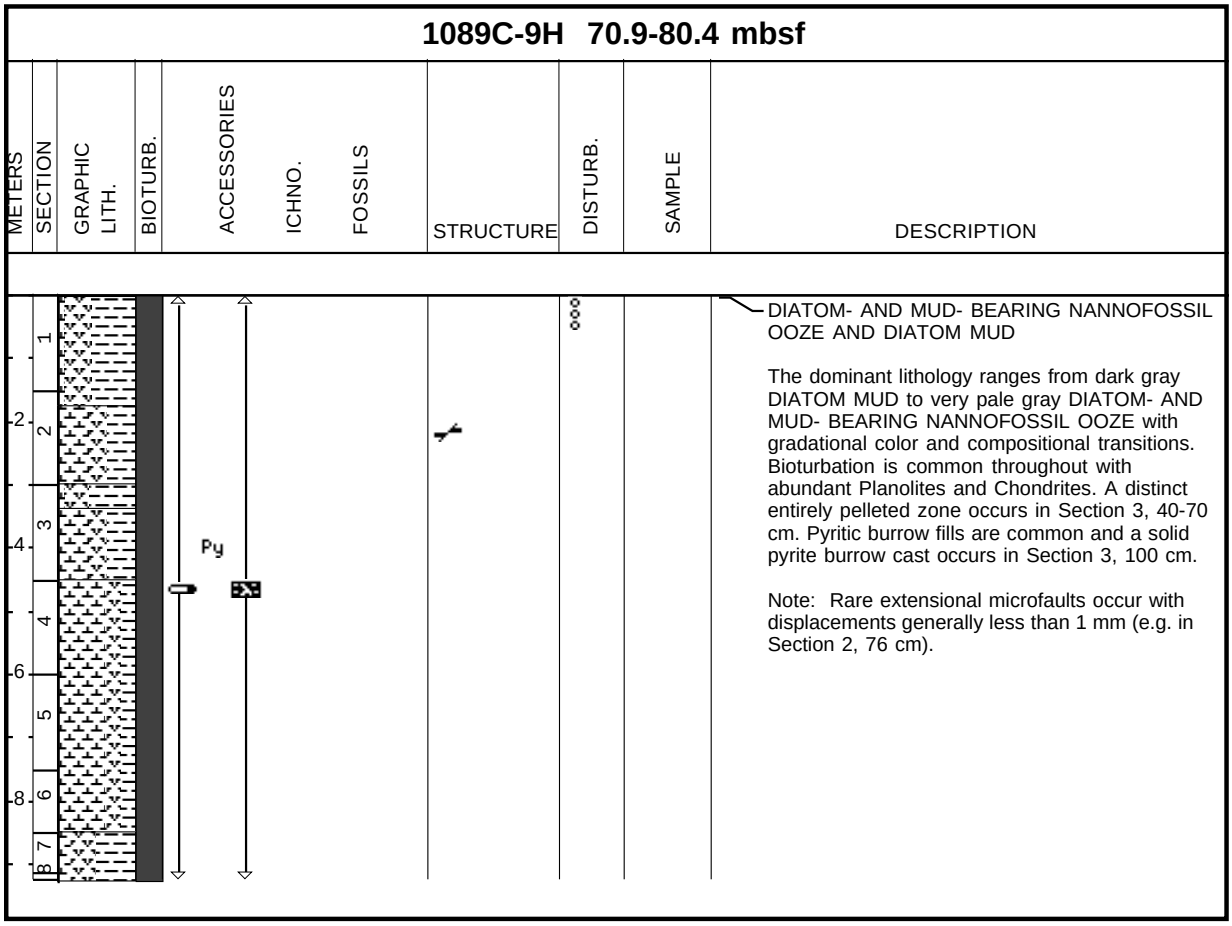
Core Photo


1089C-7H 51.9-61.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
SILICEOUS MUD AND MUD- AND SILICA-BEARING NANNOFOSSIL OOZE
SS
Medium olive SILICEOUS MUD and pale green MUD- AND SILICA-BEARING NANNOFOSSIL OOZE , with layering and mottling. Planolites distinctive in Section 2, and a distrinctive bright green layer is in Section 4, 143 cm.
Mud- and diatom-bearing nannofossil ooze (~15/15/55%), with radiolarians (~5%), silicoflagellates (~5%), and sponge spicules (~5%)
SS
Siliceous mud (~35/65%)
SS
Mud- and silica-bearing nannofossil ooze (~10/10/80%)

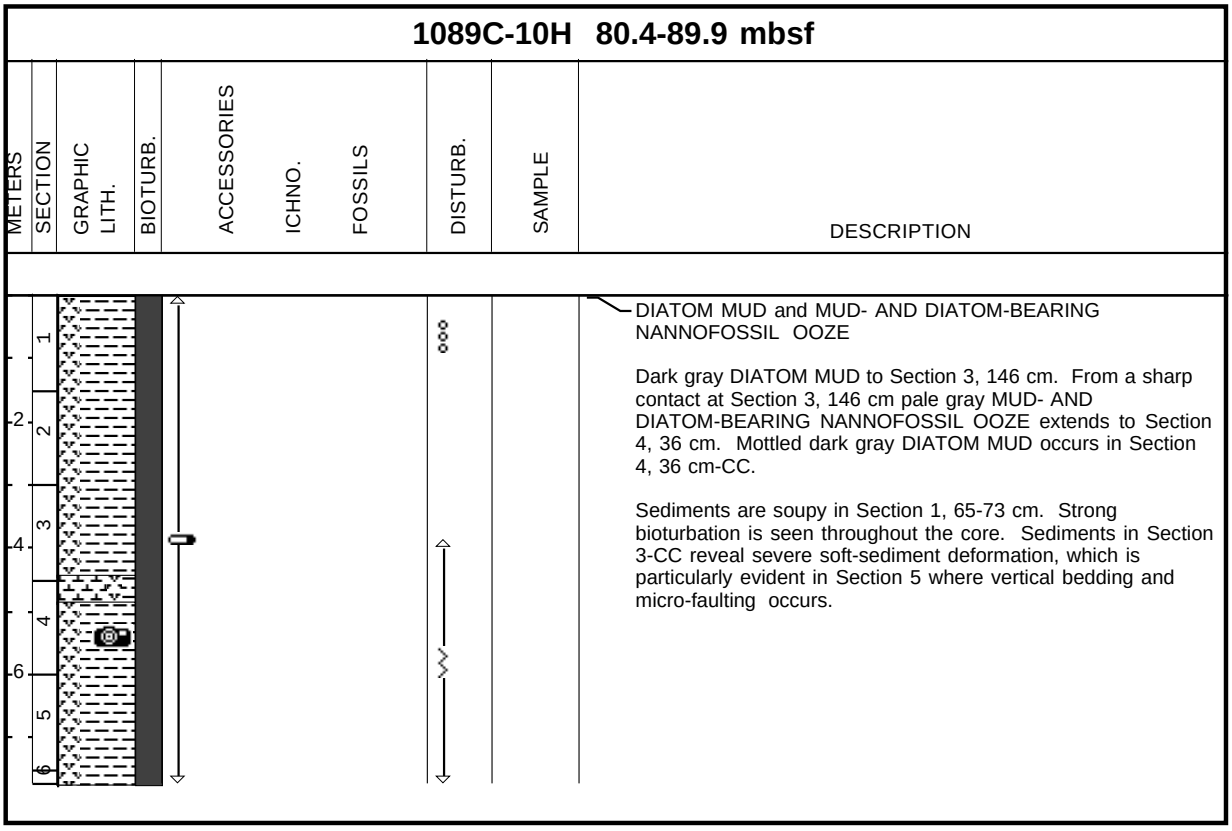
Core Photo


1089C-8H 61.4-70.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM MUD
The lithology is medium to pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE to Section 4, 102 cm. It is dark gray DIATOM MUD from Section 4, 102 cm to the core base excepth for an interval of pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE in Section 5, 110-141 cm.
Moderate burrowing is seen throughout. Contacts are all gradational. Core disturbance is moderate throughout the core due to degassing which resulted in a core gap at Section 1, 131-134 cm.
Mud- and diatom-bearing nannofossil ooze (~15/20/60%) with 3% foraminifers, 1% radiolarians, 1% sponge spicules and traces of silicoflagellates and glauconite

Core Photo


1089C-9H 70.9-80.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
DIATOM- AND MUD- BEARING NANNOFOSSIL OOZE AND DIATOM MUD
The dominant lithology ranges from dark gray DIATOM MUD to very pale gray DIATOM- AND MUD- BEARING NANNOFOSSIL OOZE with gradational color and compositional transitions. Bioturbation is common throughout with abundant Planolites and Chondrites. A distinct entirely pelleted zone occurs in Section 3, 40-70 cm. Pyritic burrow fills are common and a solid pyrite burrow cast occurs in Section 3, 100 cm.
Note: Rare extensional microfaults occur with displacements generally less than 1 mm (e.g. in Section 2, 76 cm).

Core Photo


1089C-10H 80.4-89.9 mbsf
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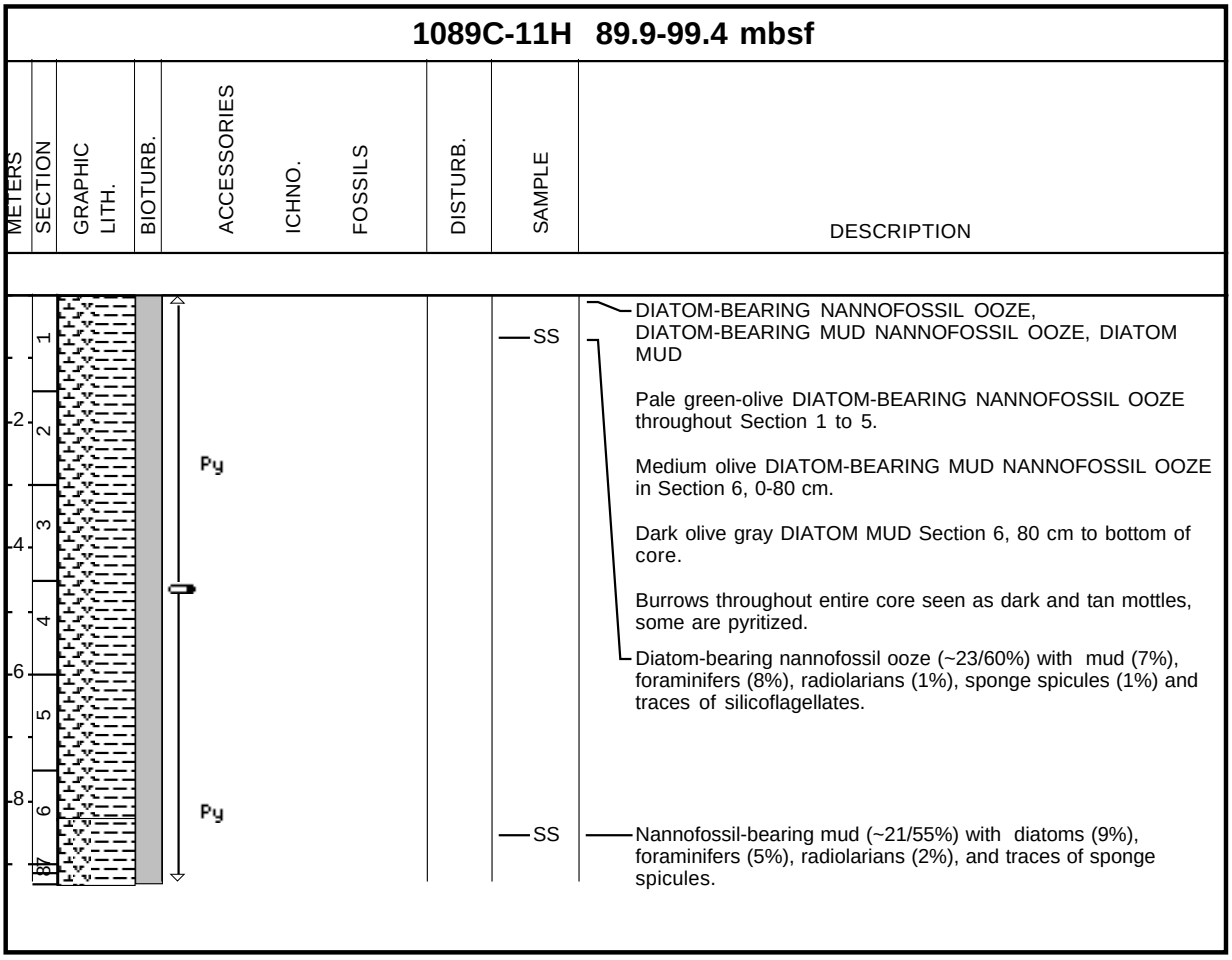
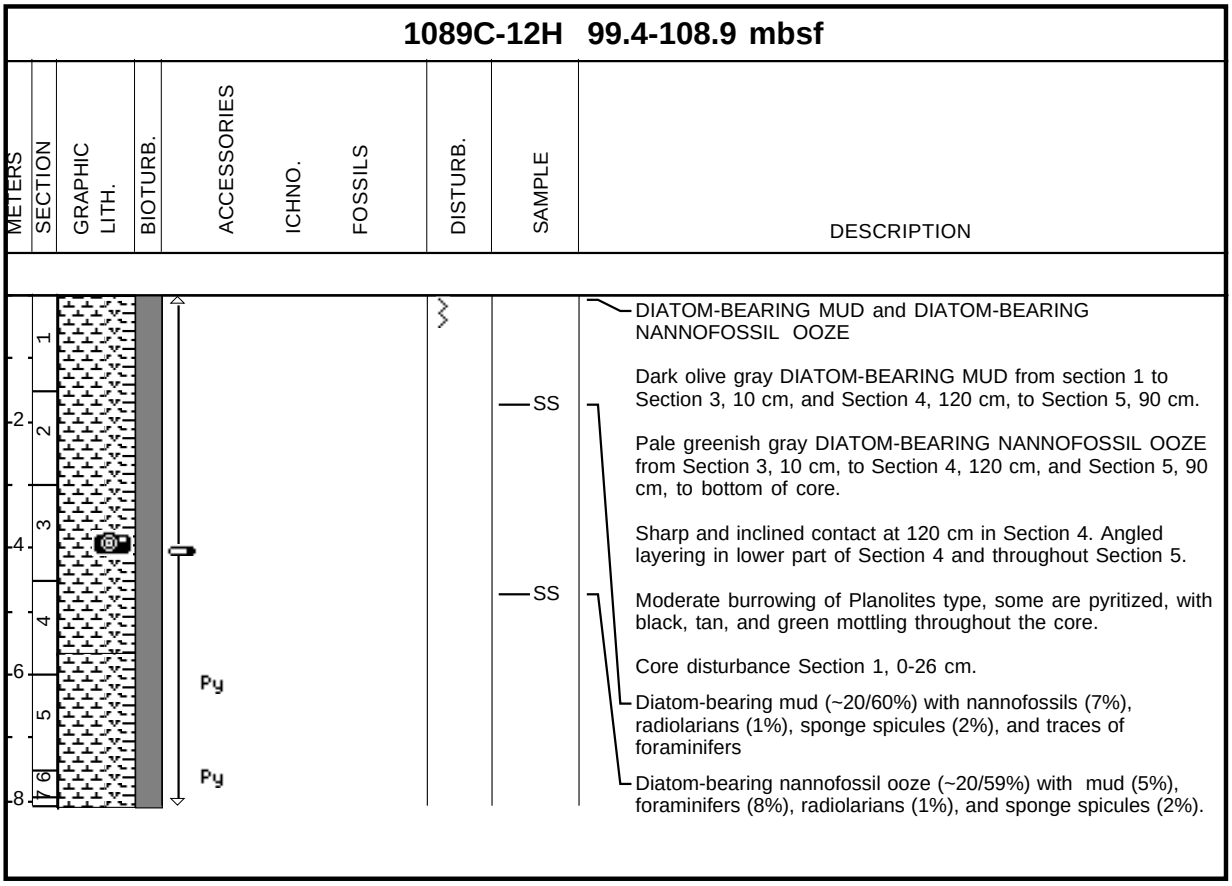
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Dark gray DIATOM MUD to Section 3, 146 cm. From a sharp contact at Section 3, 146 cm pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE extends to Section 4, 36 cm. Mottled dark gray DIATOM MUD occurs in Section 4, 36 cm-CC.
Sediments are soupy in Section 1, 65-73 cm. Strong bioturbation is seen throughout the core. Sediments in Section 3-CC reveal severe soft-sediment deformation, which is particularly evident in Section 5 where vertical bedding and micro-faulting occurs.

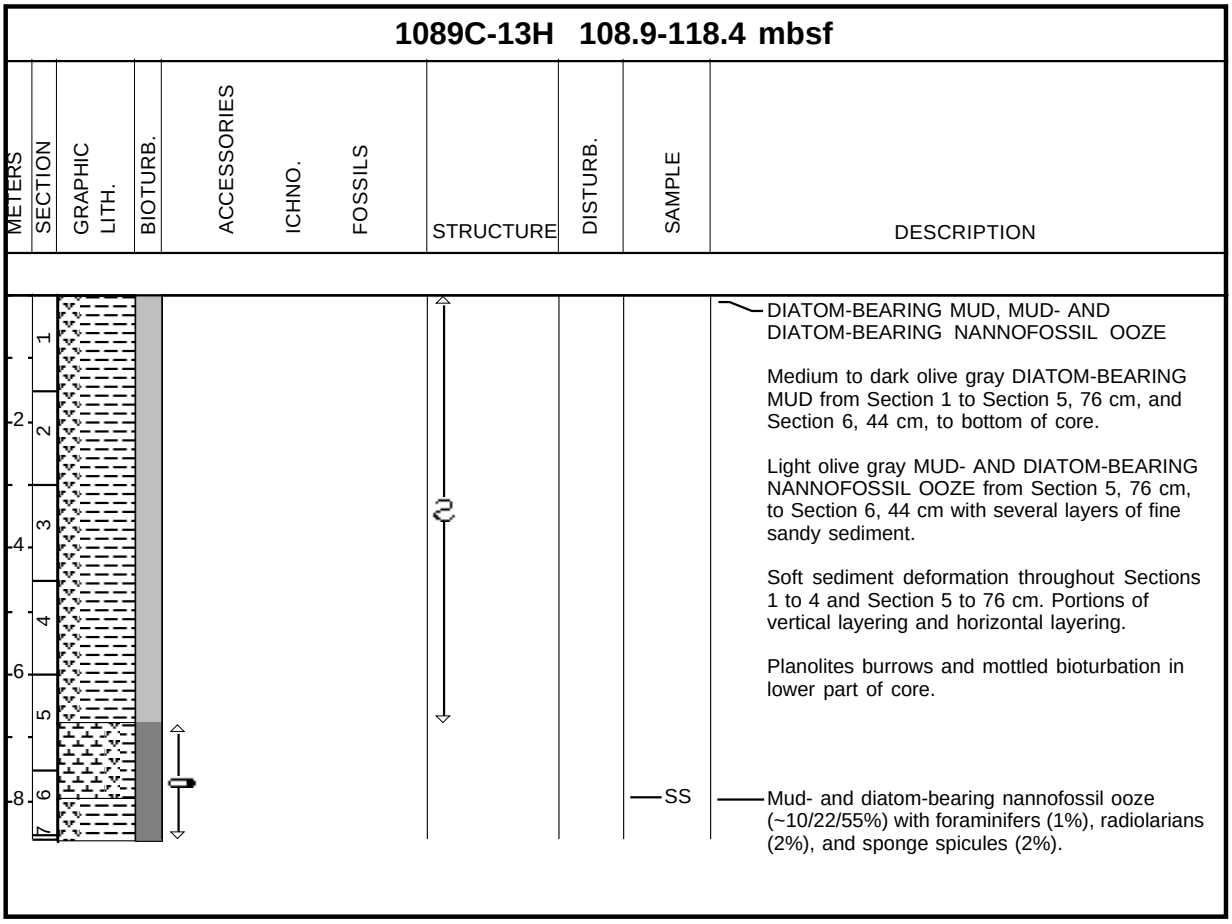
Core Photo


1089C-11H 89.9-99.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
Py
Py
SS
DIATOM-BEARING NANNOFOSSIL OOZE, DIATOM-BEARING MUD NANNOFOSSIL OOZE, DIATOM MUD
Pale green-olive DIATOM-BEARING NANNOFOSSIL OOZE throughout Section 1 to 5.
Medium olive DIATOM-BEARING MUD NANNOFOSSIL OOZE in Section 6, 0-80 cm.
Dark olive gray DIATOM MUD Section 6, 80 cm to bottom of core.
Burrows throughout entire core seen as dark and tan mottles, some are pyritized.
Diatom-bearing nannofossil ooze (~23/60%) with mud (7%), foraminifers (8%), radiolarians (1%), sponge spicules (1%) and traces of silicoflagellates.
Nannofossil-bearing mud (~21/55%) with diatoms (9%), foraminifers (5%), radiolarians (2%), and traces of sponge spicules.

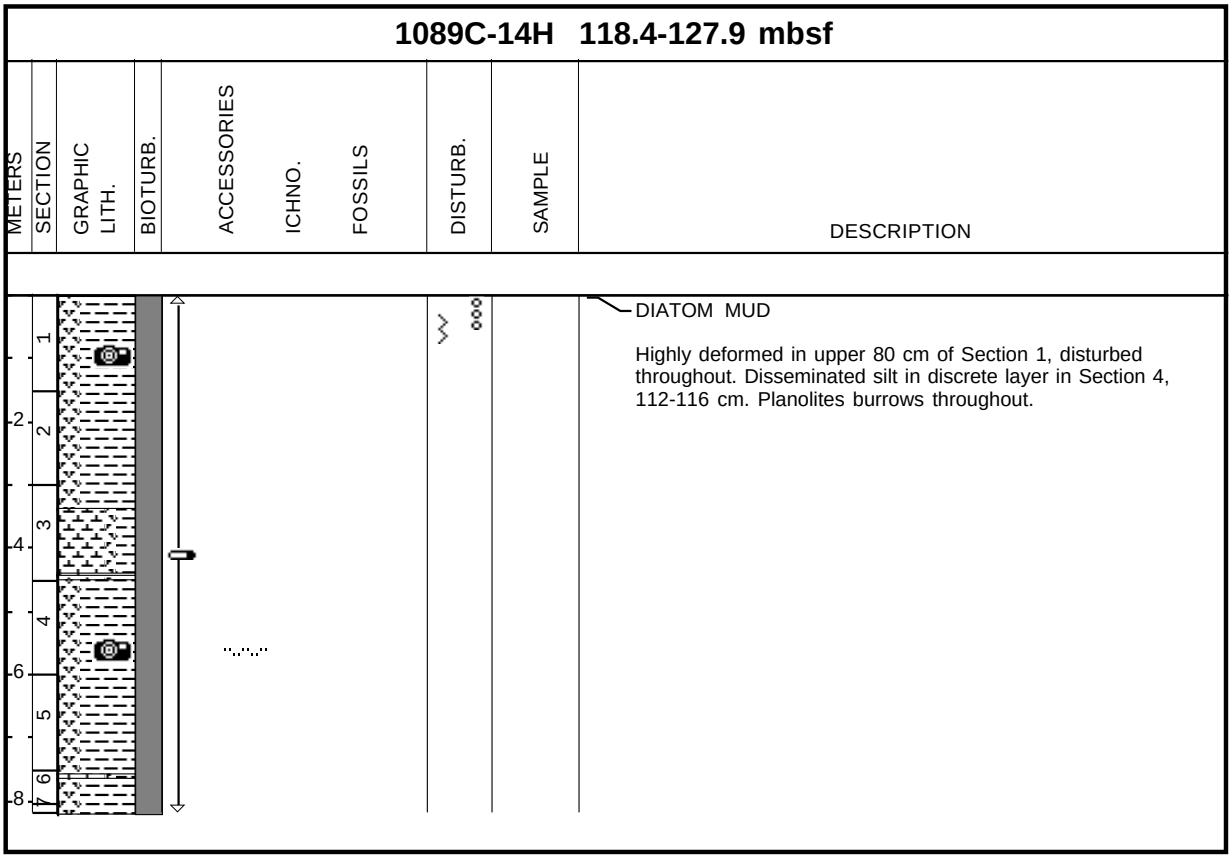
Core Photo


1089C-12H 99.4-108.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
Py
Py
DIATOM-BEARING MUD and DIATOM-BEARING NANNOFOSSIL OOZE
Dark olive gray DIATOM-BEARING MUD from section 1 to Section 3, 10 cm, and Section 4, 120 cm, to Section 5, 90 cm.
Pale greenish gray DIATOM-BEARING NANNOFOSSIL OOZE from Section 3, 10 cm, to Section 4, 120 cm, and Section 5, 90 cm, to bottom of core.
Sharp and inclined contact at 120 cm in Section 4. Angled layering in lower part of Section 4 and throughout Section 5.
Moderate burrowing of Planolites type, some are pyritized, with black, tan, and green mottling throughout the core.
Core disturbance Section 1, 0-26 cm.
Diatom-bearing mud (~20/60%) with nannofossils (7%), radiolarians (1%), sponge spicules (2%), and traces of foraminifers
Diatom-bearing nannofossil ooze (~20/59%) with mud (5%), foraminifers (8%), radiolarians (1%), and sponge spicules (2%).

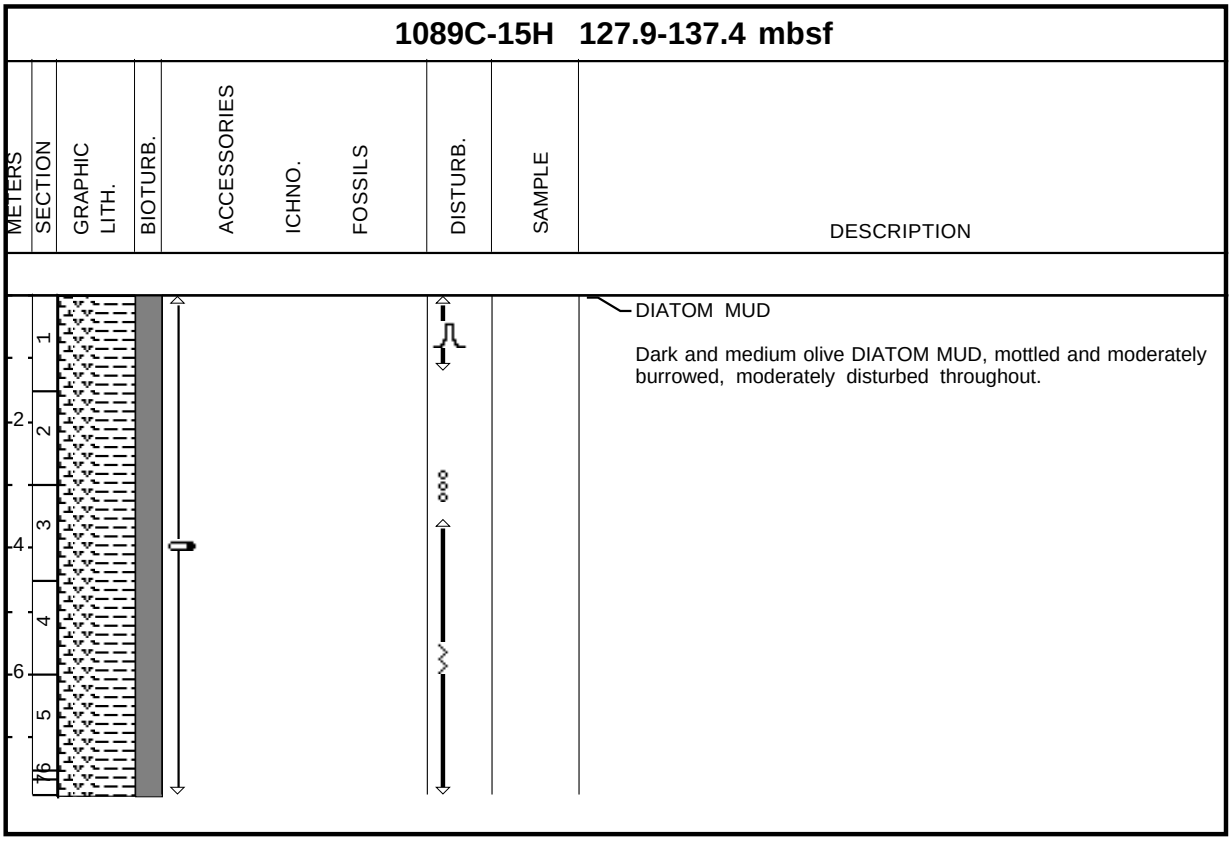
Core Photo


1089C-13H 108.9-118.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING MUD, MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Medium to dark olive gray DIATOM-BEARING MUD from Section 1 to Section 5, 76 cm, and Section 6, 44 cm, to bottom of core.
Light olive gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE from Section 5, 76 cm, to Section 6, 44 cm with several layers of fine sandy sediment.
Soft sediment deformation throughout Sections 1 to 4 and Section 5 to 76 cm. Portions of vertical layering and horizontal layering.
Planolites burrows and mottled bioturbation in lower part of core.
SS
Mud- and diatom-bearing nannofossil ooze (~10/22/55%) with foraminifers (1%), radiolarians (2%), and sponge spicules (2%).

Core Photo


1089C-14H 118.4-127.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD
Highly deformed in upper 80 cm of Section 1, disturbed throughout. Disseminated silt in discrete layer in Section 4, 112-116 cm. Planolites burrows throughout.

Core Photo


1089C-15H 127.9-137.4 mbsf
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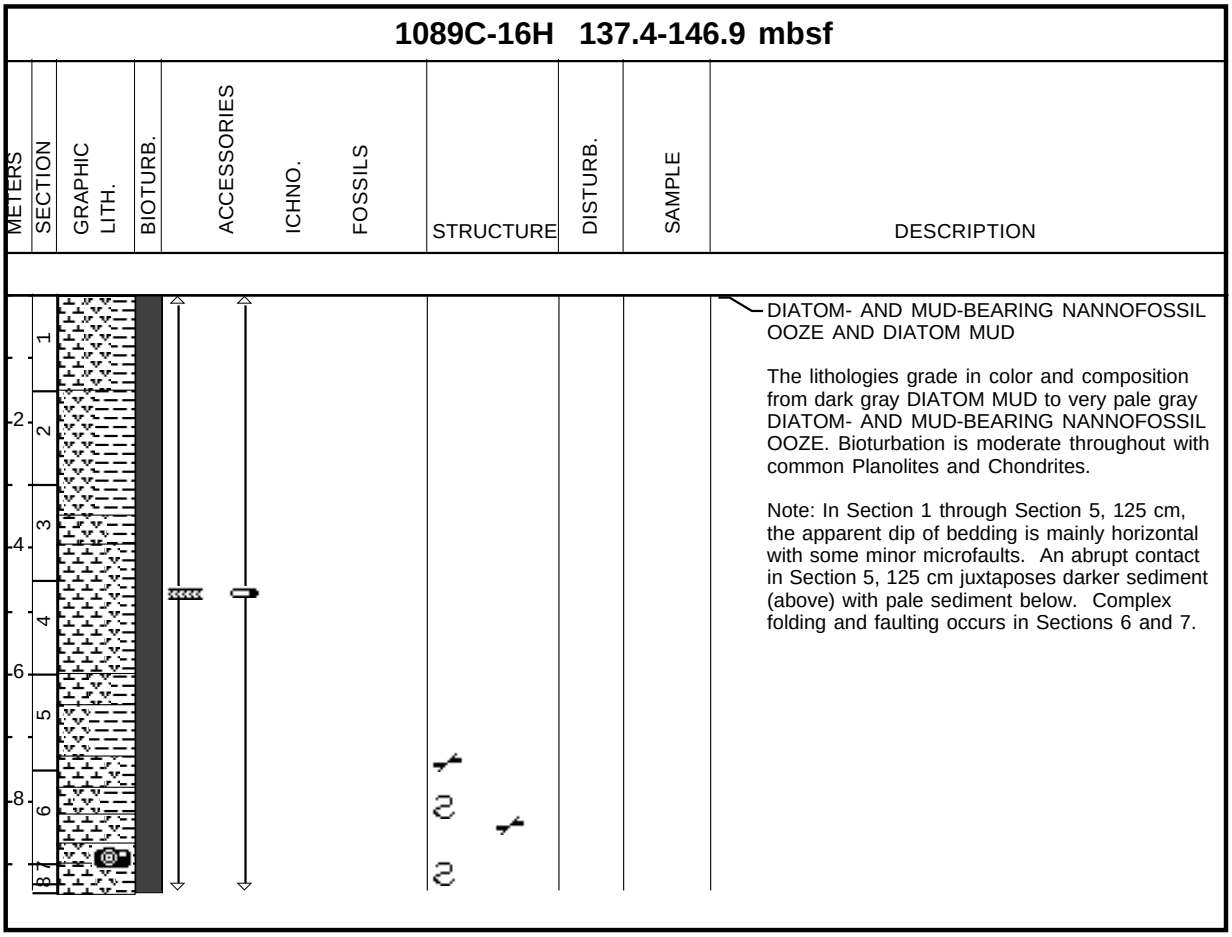
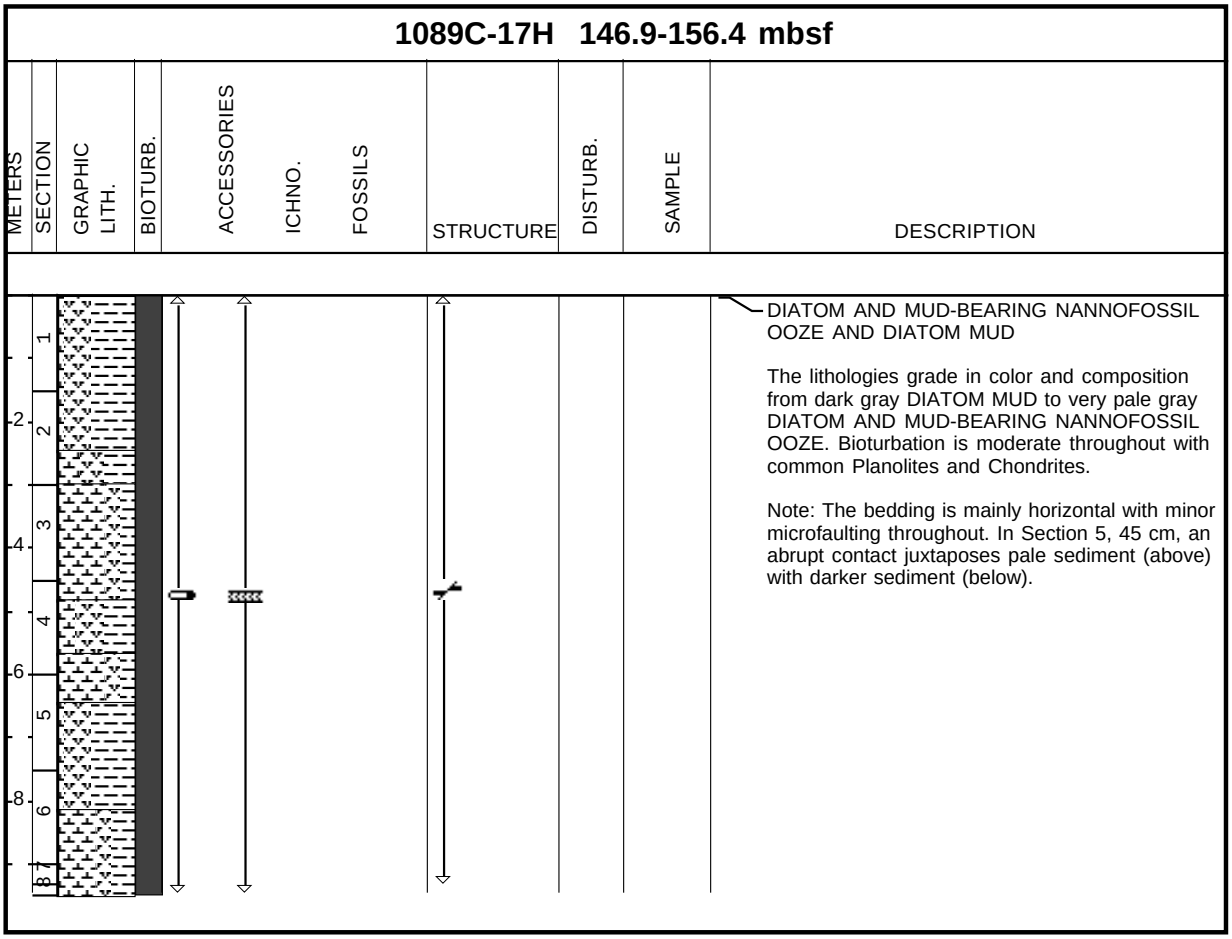
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD
Dark and medium olive DIATOM MUD, mottled and moderately burrowed, moderately disturbed throughout.

Core Photo


1089C-16H 137.4-146.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE AND DIATOM MUD
The lithologies grade in color and composition from dark gray DIATOM MUD to very pale gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE. Bioturbation is moderate throughout with common Planolites and Chondrites.
Note: In Section 1 through Section 5, 125 cm, the apparent dip of bedding is mainly horizontal with some minor microfaults. An abrupt contact in Section 5, 125 cm juxtaposes darker sediment (above) with pale sediment below. Complex folding and faulting occurs in Sections 6 and 7.

Core Photo


1089C-17H 146.9-156.4 mbsf
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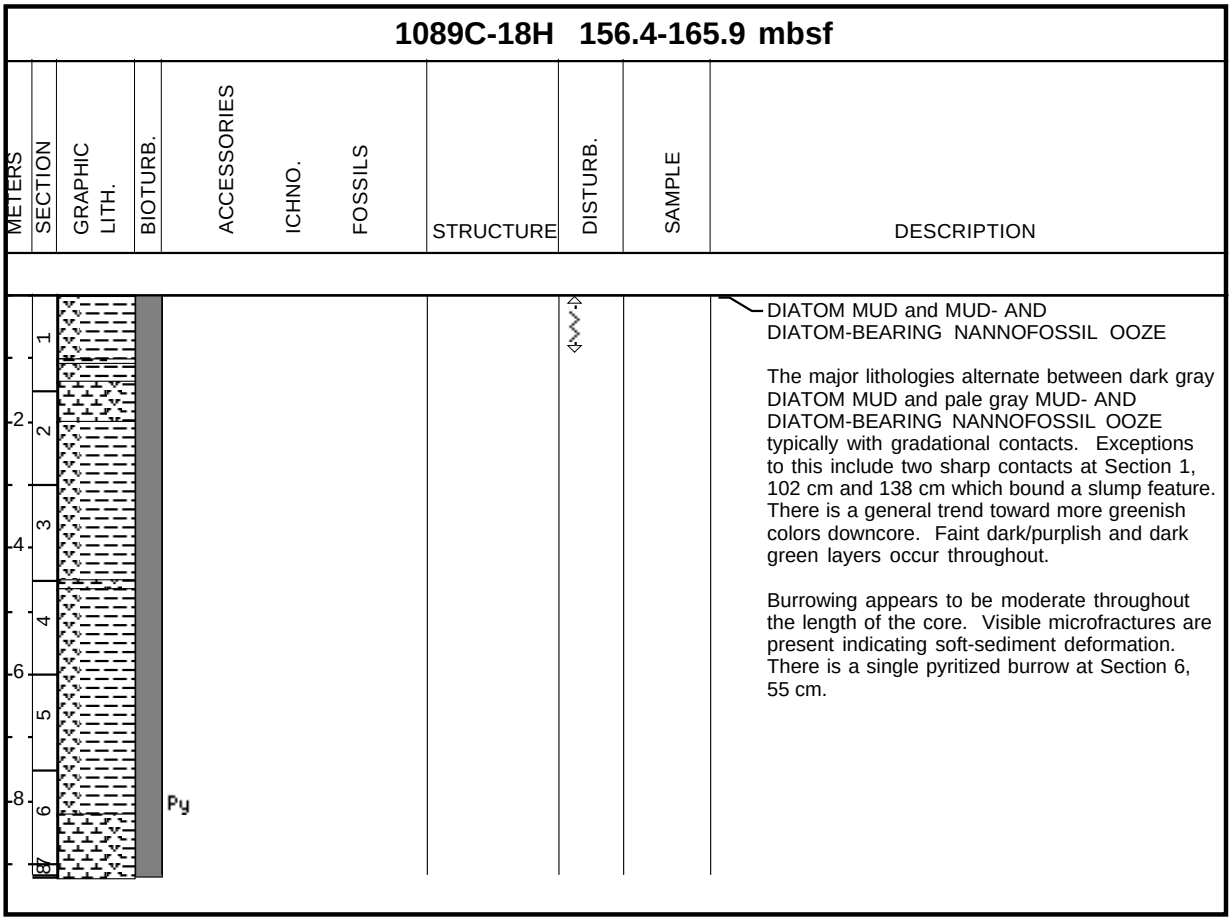
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM AND MUD-BEARING NANNOFOSSIL OOZE AND DIATOM MUD
The lithologies grade in color and composition from dark gray DIATOM MUD to very pale gray DIATOM AND MUD-BEARING NANNOFOSSIL OOZE. Bioturbation is moderate throughout with common Planolites and Chondrites.
Note: The bedding is mainly horizontal with minor microfaulting throughout. In Section 5, 45 cm, an abrupt contact juxtaposes pale sediment (above) with darker sediment (below).

Core Photo


1089C-18H 156.4-165.9 mbsf
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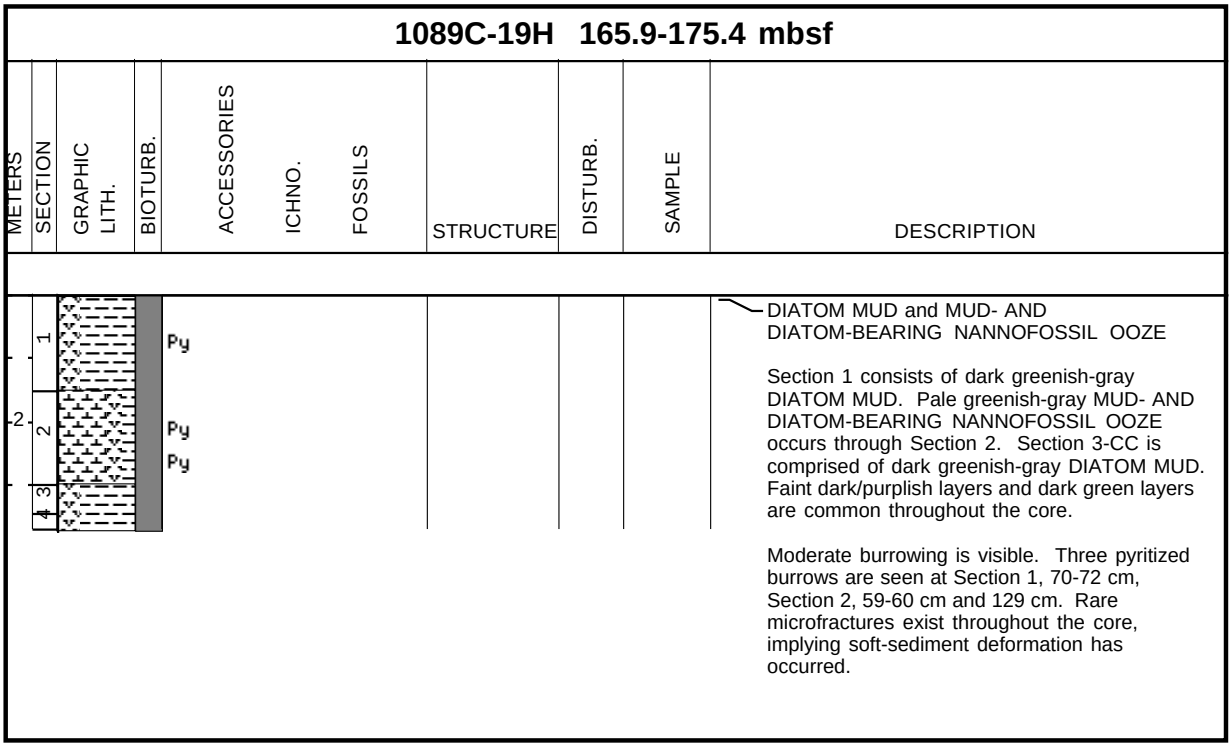
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
DIATOM MUD and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
The major lithologies alternate between dark gray DIATOM MUD and pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE typically with gradational contacts. Exceptions to this include two sharp contacts at Section 1, 102 cm and 138 cm which bound a slump feature. There is a general trend toward more greenish colors downcore. Faint dark/purplish and dark green layers occur throughout.
Burrowing appears to be moderate throughout the length of the core. Visible microfractures are present indicating soft-sediment deformation. There is a single pyritized burrow at Section 6, 55 cm.

Core Photo


1089C-19H 165.9-175.4 mbsf
METERS
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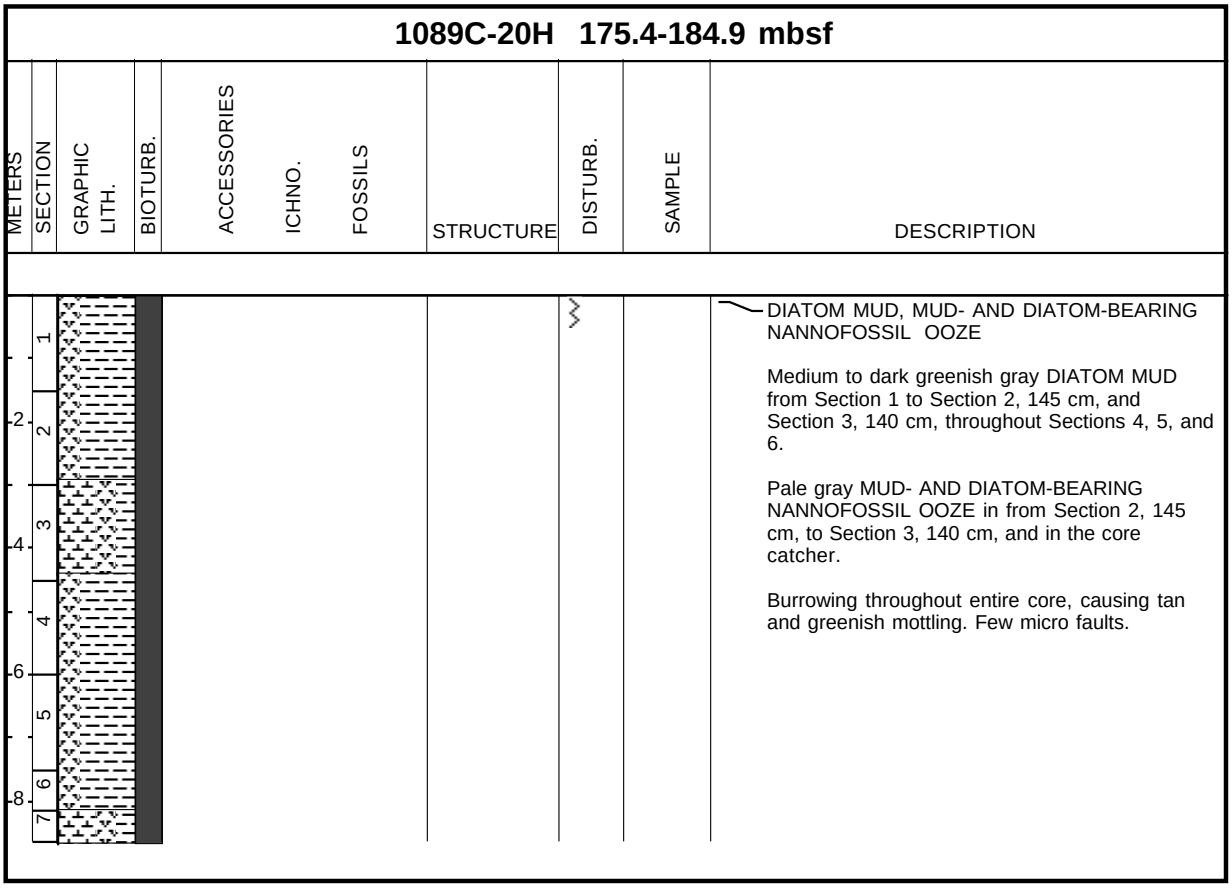
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
2
Py
Py
Py
DIATOM MUD and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Section 1 consists of dark greenish-gray DIATOM MUD. Pale greenish-gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE occurs through Section 2. Section 3-CC is comprised of dark greenish-gray DIATOM MUD. Faint dark/purplish layers and dark green layers are common throughout the core.
Moderate burrowing is visible. Three pyritized burrows are seen at Section 1, 70-72 cm, Section 2, 59-60 cm and 129 cm. Rare microfractures exist throughout the core, implying soft-sediment deformation has occurred.

Core Photo


1089C-20H 175.4-184.9 mbsf
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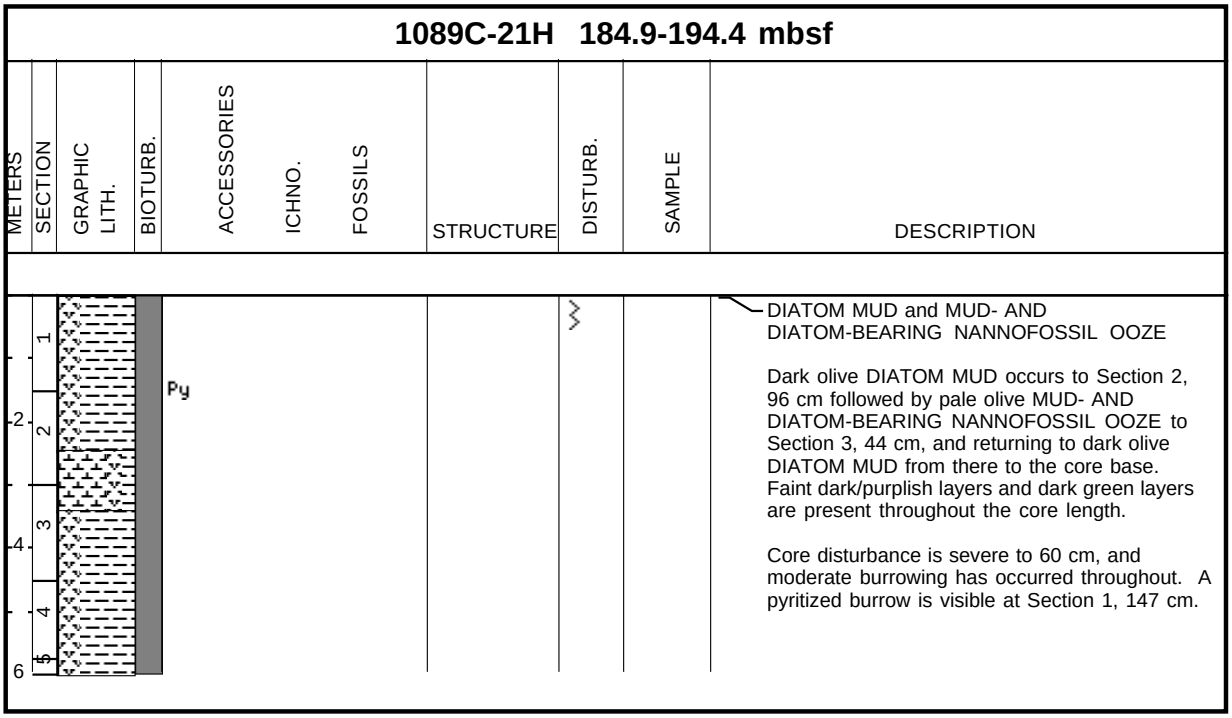
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD, MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Medium to dark greenish gray DIATOM MUD from Section 1 to Section 2, 145 cm, and Section 3, 140 cm, throughout Sections 4, 5, and 6.
Pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE in from Section 2, 145 cm, to Section 3, 140 cm, and in the core catcher.
Burrowing throughout entire core, causing tan and greenish mottling. Few micro faults.

Core Photo


1089C-21H 184.9-194.4 mbsf
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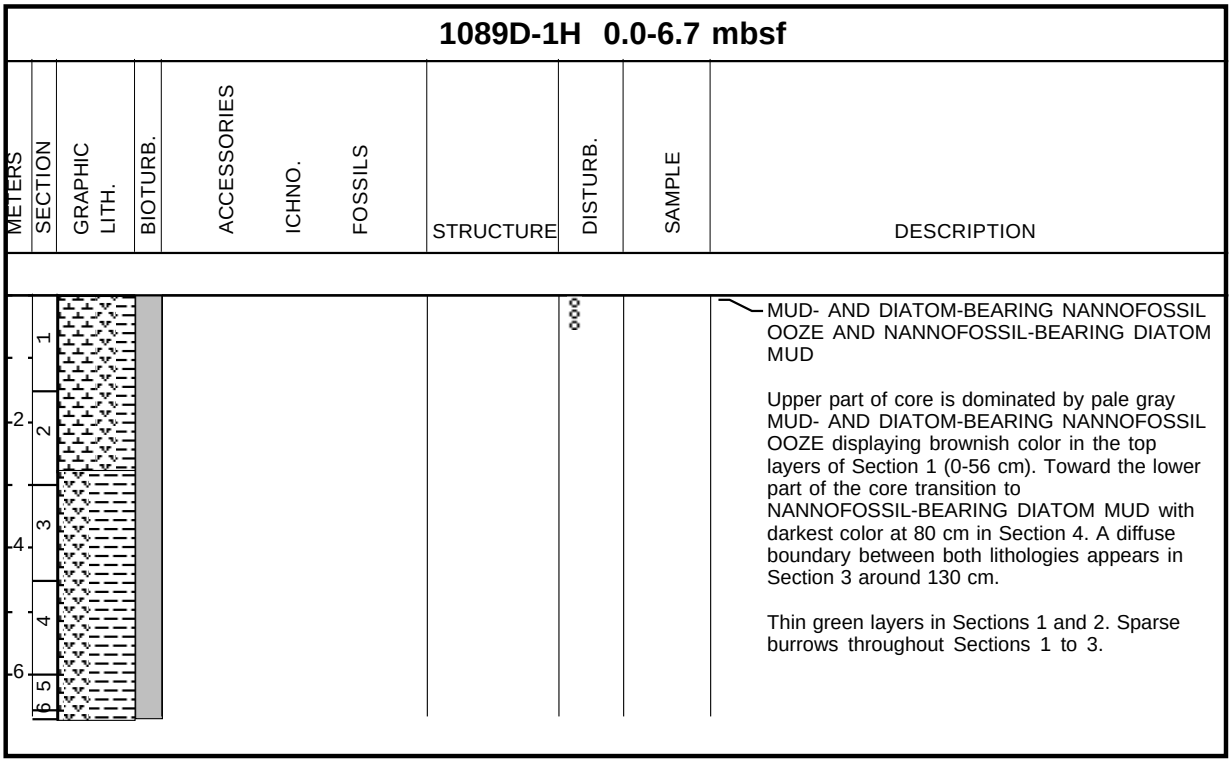
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
Py
DIATOM MUD and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Dark olive DIATOM MUD occurs to Section 2, 96 cm followed by pale olive MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE to Section 3, 44 cm, and returning to dark olive DIATOM MUD from there to the core base. Faint dark/purplish layers and dark green layers are present throughout the core length.
Core disturbance is severe to 60 cm, and moderate burrowing has occurred throughout. A pyritized burrow is visible at Section 1, 147 cm.

Core Photo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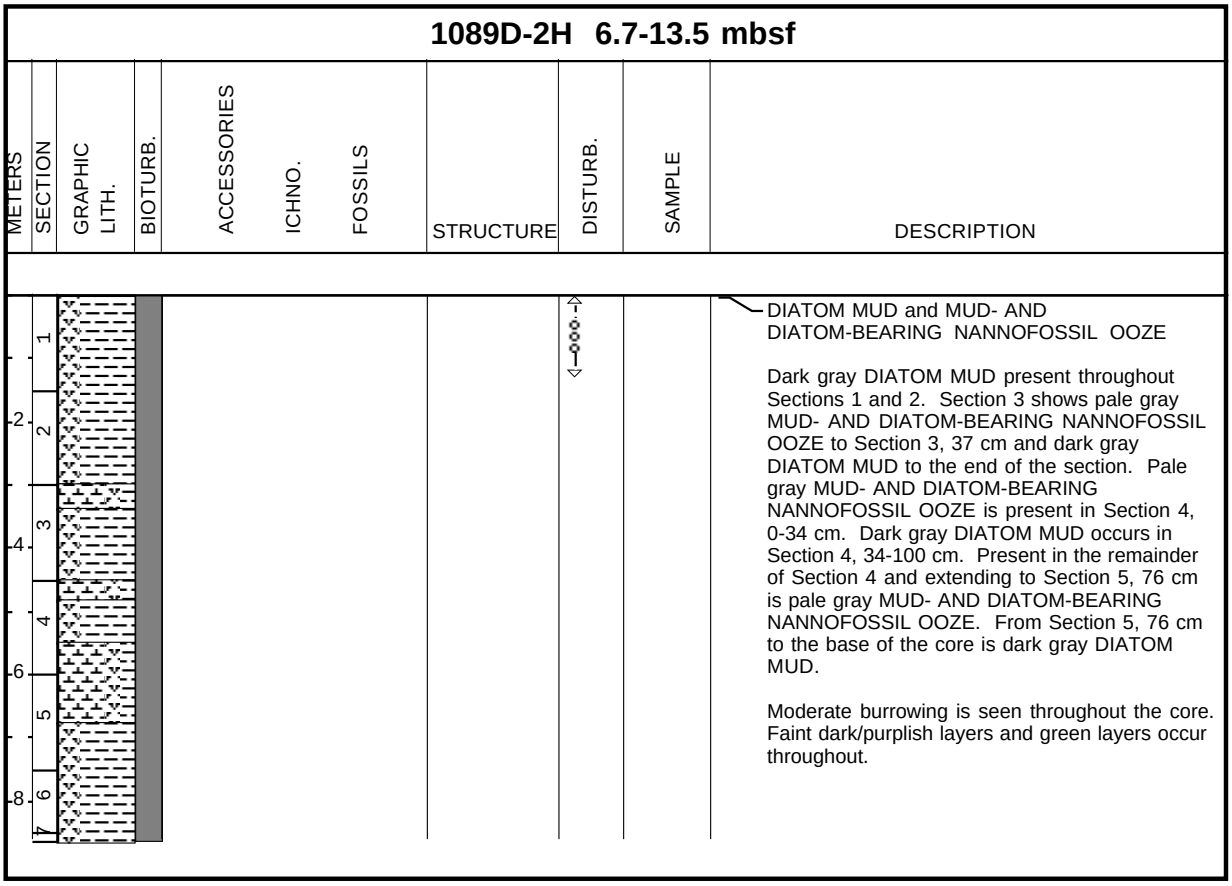
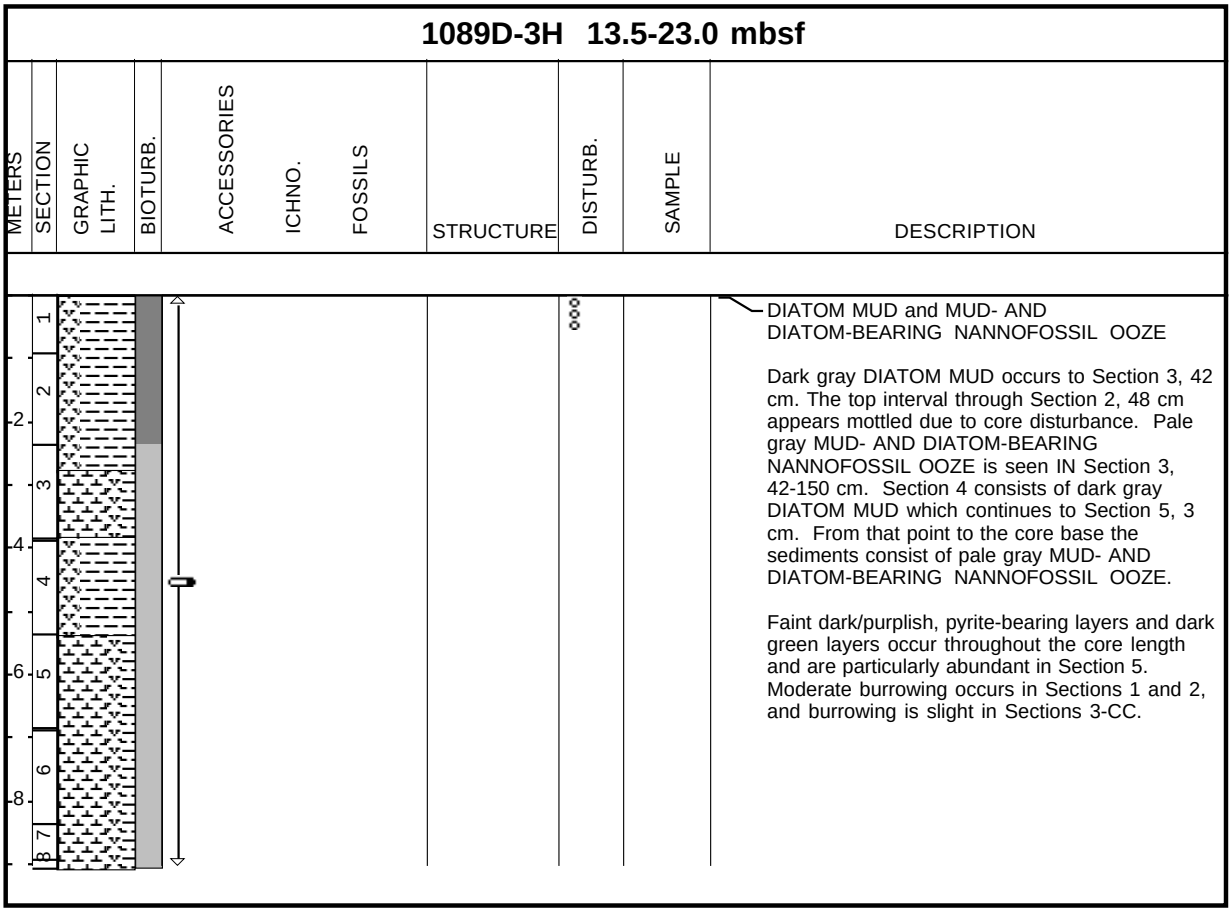
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE AND NANNOFOSSIL-BEARING DIATOM MUD
Upper part of core is dominated by pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE displaying brownish color in the top layers of Section 1 (0-56 cm). Toward the lower part of the core transition to NANNOFOSSIL-BEARING DIATOM MUD with darkest color at 80 cm in Section 4. A diffuse boundary between both lithologies appears in Section 3 around 130 cm.
Thin green layers in Sections 1 and 2. Sparse burrows throughout Sections 1 to 3.

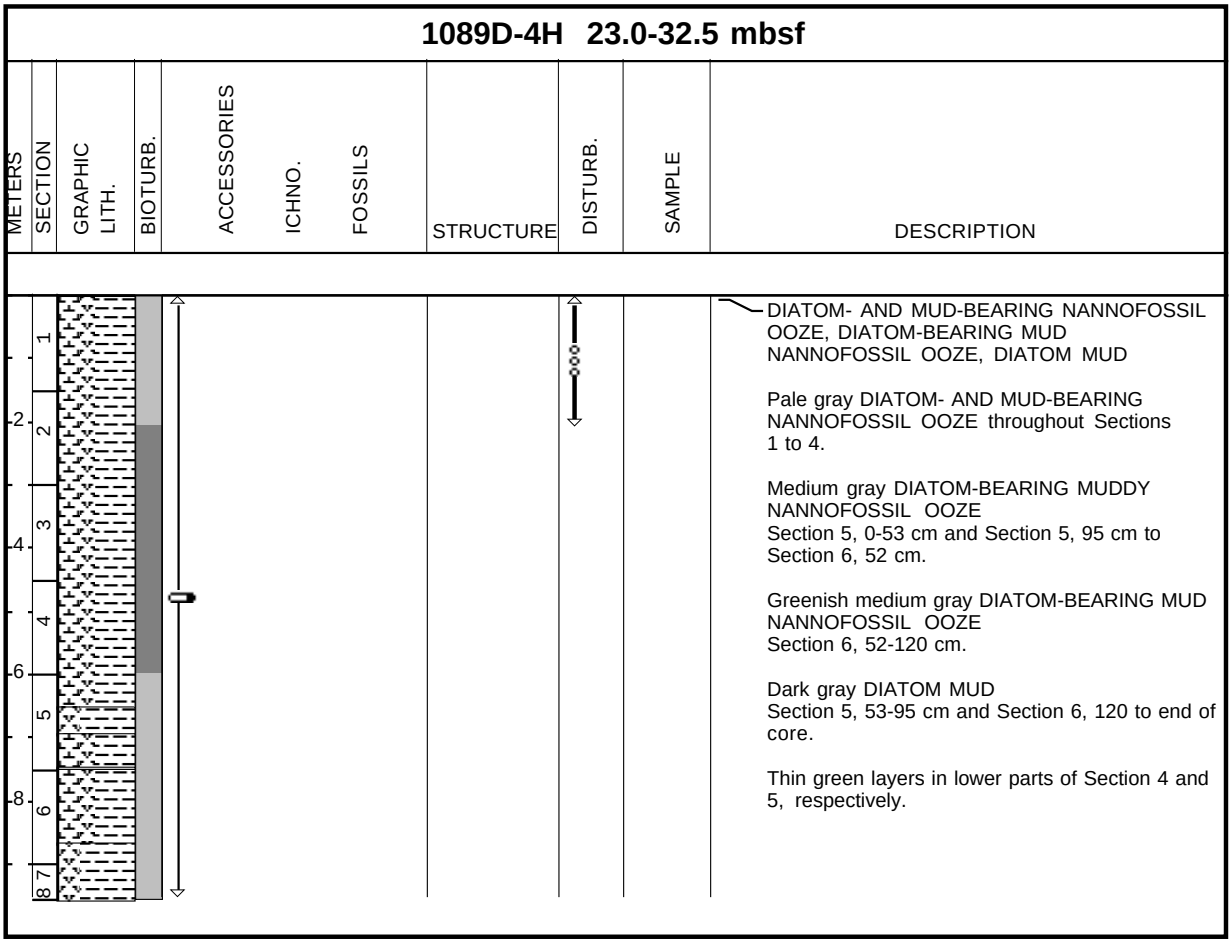
Core Photo


1089D-2H 6.7-13.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Dark gray DIATOM MUD present throughout Sections 1 and 2. Section 3 shows pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE to Section 3, 37 cm and dark gray DIATOM MUD to the end of the section. Pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE is present in Section 4, 0-34 cm. Dark gray DIATOM MUD occurs in Section 4, 34-100 cm. Present in the remainder of Section 4 and extending to Section 5, 76 cm is pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE. From Section 5, 76 cm to the base of the core is dark gray DIATOM MUD.
Moderate burrowing is seen throughout the core. Faint dark/purplish layers and green layers occur throughout.

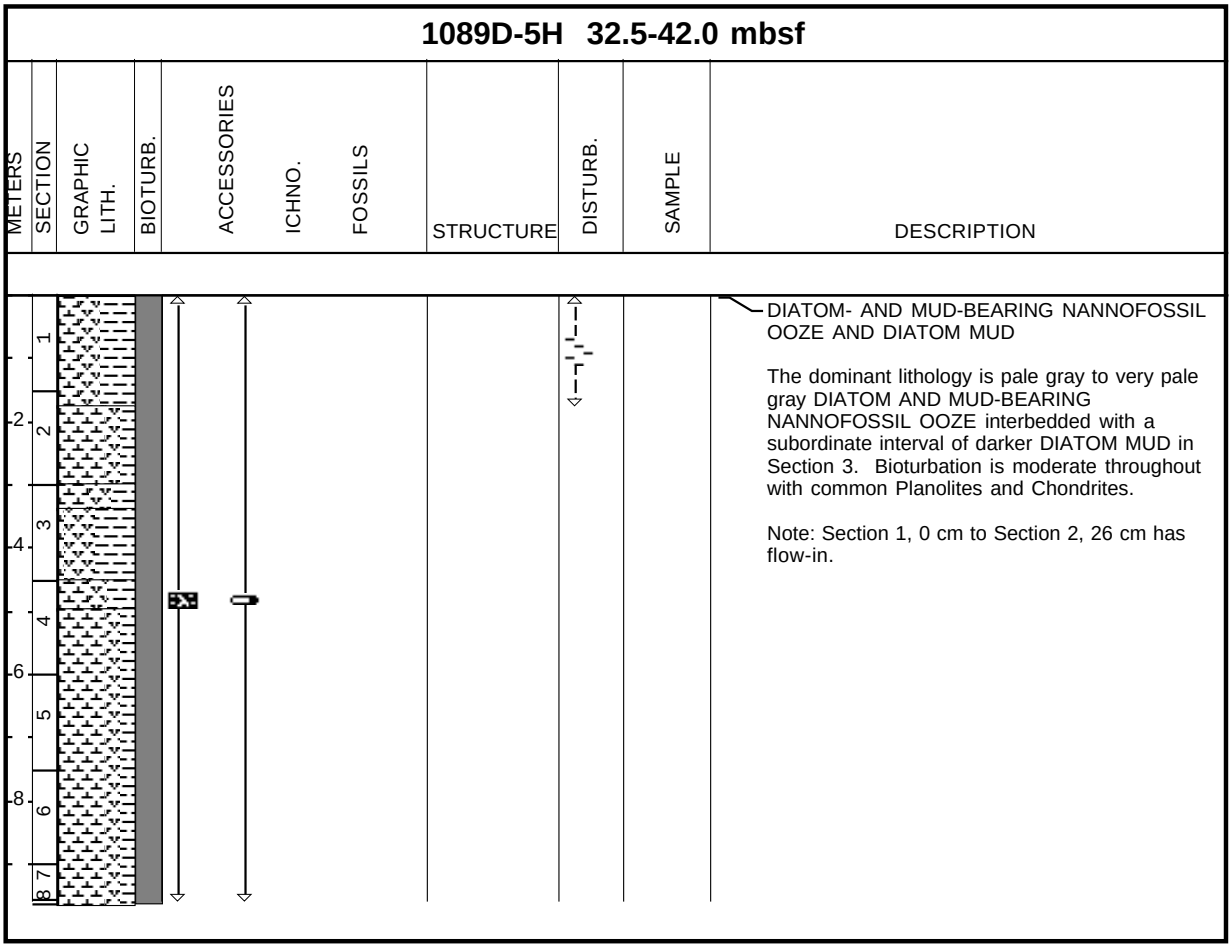
Core Photo


1089D-3H 13.5-23.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Dark gray DIATOM MUD occurs to Section 3, 42 cm. The top interval through Section 2, 48 cm appears mottled due to core disturbance. Pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE is seen IN Section 3, 42-150 cm. Section 4 consists of dark gray DIATOM MUD which continues to Section 5, 3 cm. From that point to the core base the sediments consist of pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE.
Faint dark/purplish, pyrite-bearing layers and dark green layers occur throughout the core length and are particularly abundant in Section 5. Moderate burrowing occurs in Sections 1 and 2, and burrowing is slight in Sections 3-CC.

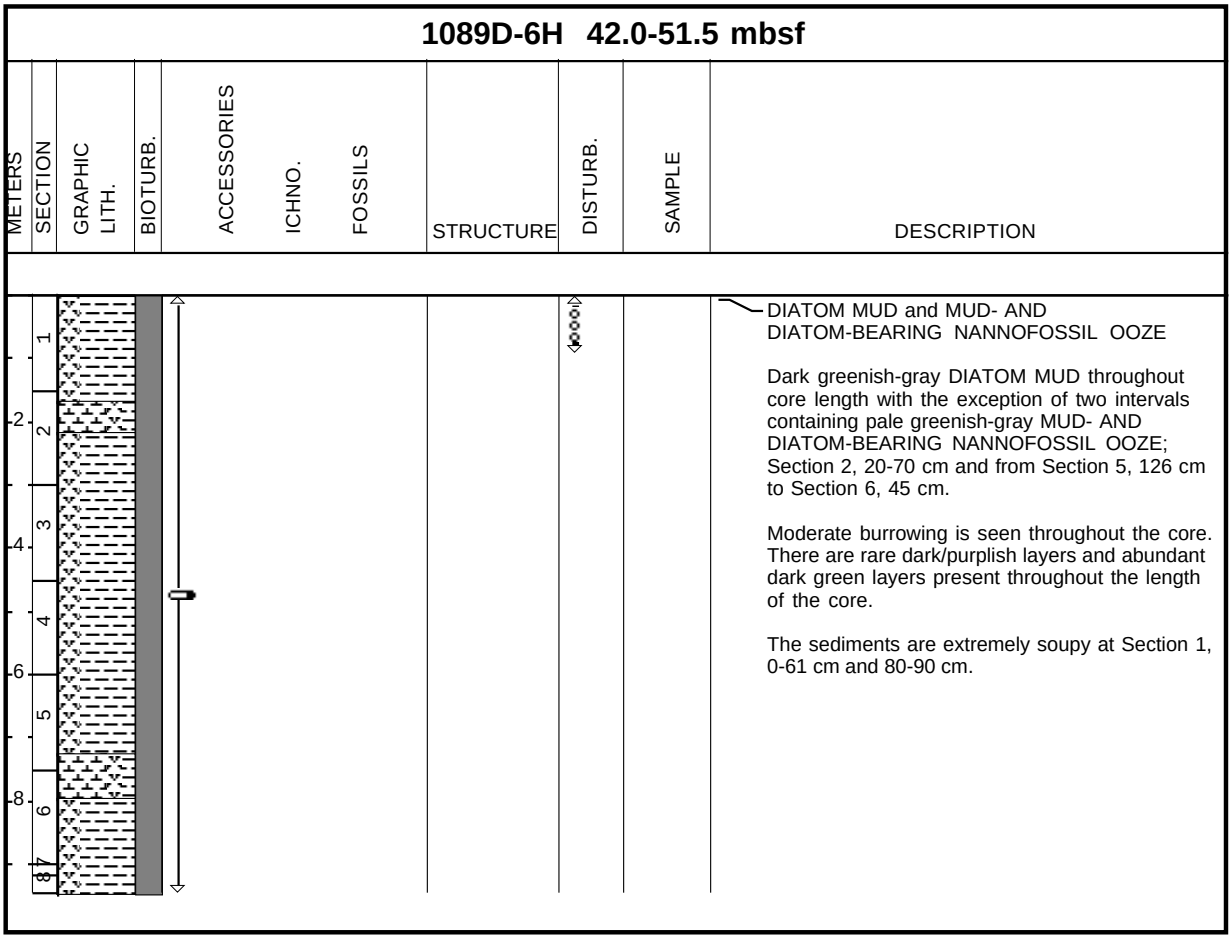
Core Photo


1089D-4H 23.0-32.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE, DIATOM-BEARING MUD NANNOFOSSIL OOZE, DIATOM MUD
Pale gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE throughout Sections 1 to 4.
Medium gray DIATOM-BEARING MUDDY NANNOFOSSIL OOZE
Section 5, 0-53 cm and Section 5, 95 cm to Section 6, 52 cm.
Greenish medium gray DIATOM-BEARING MUD NANNOFOSSIL OOZE
Section 6, 52-120 cm.
Dark gray DIATOM MUD
Section 5, 53-95 cm and Section 6, 120 to end of core.
Thin green layers in lower parts of Section 4 and 5, respectively.

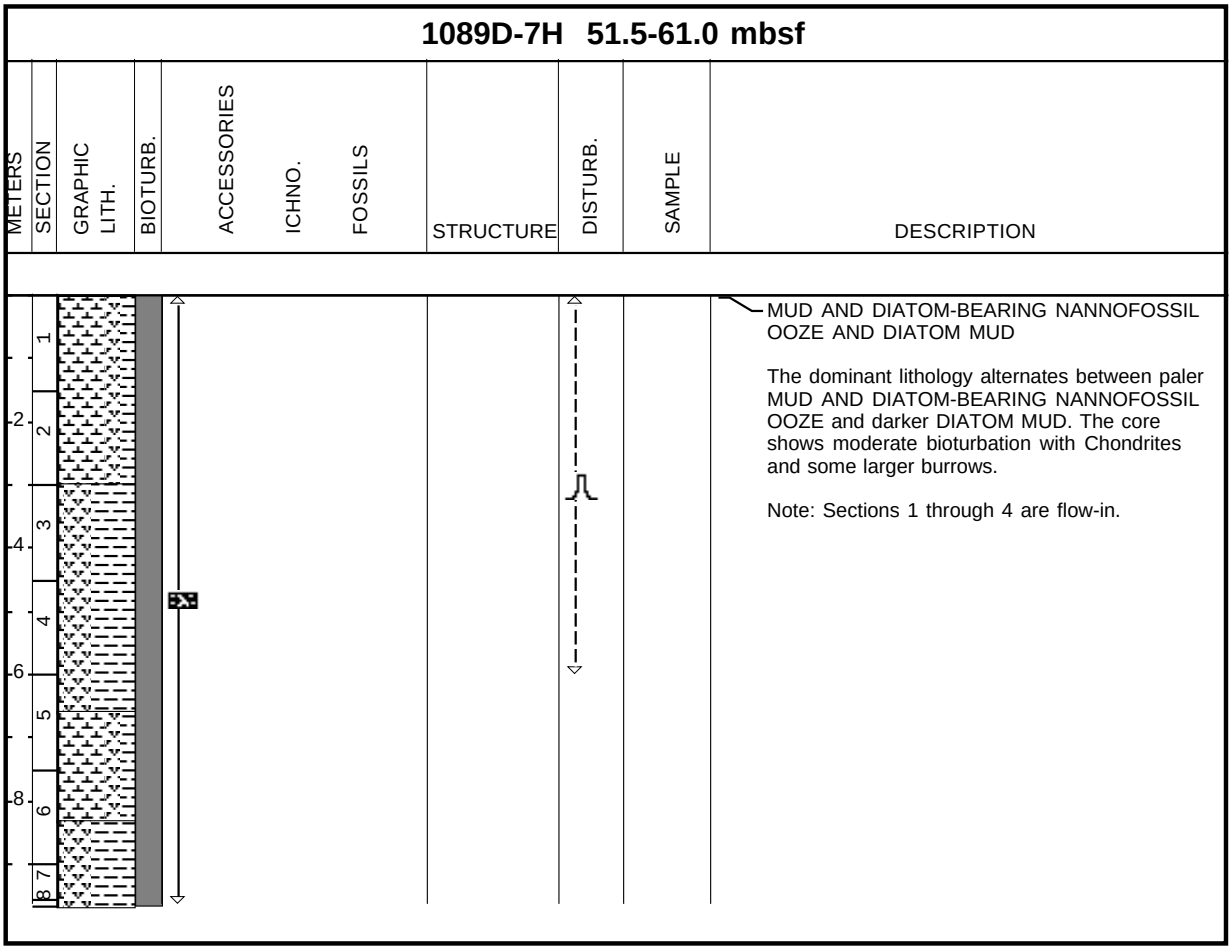
Core Photo


1089D-5H 32.5-42.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE AND DIATOM MUD
The dominant lithology is pale gray to very pale gray DIATOM AND MUD-BEARING NANNOFOSSIL OOZE interbedded with a subordinate interval of darker DIATOM MUD in Section 3. Bioturbation is moderate throughout with common Planolites and Chondrites.
Note: Section 1, 0 cm to Section 2, 26 cm has flow-in.

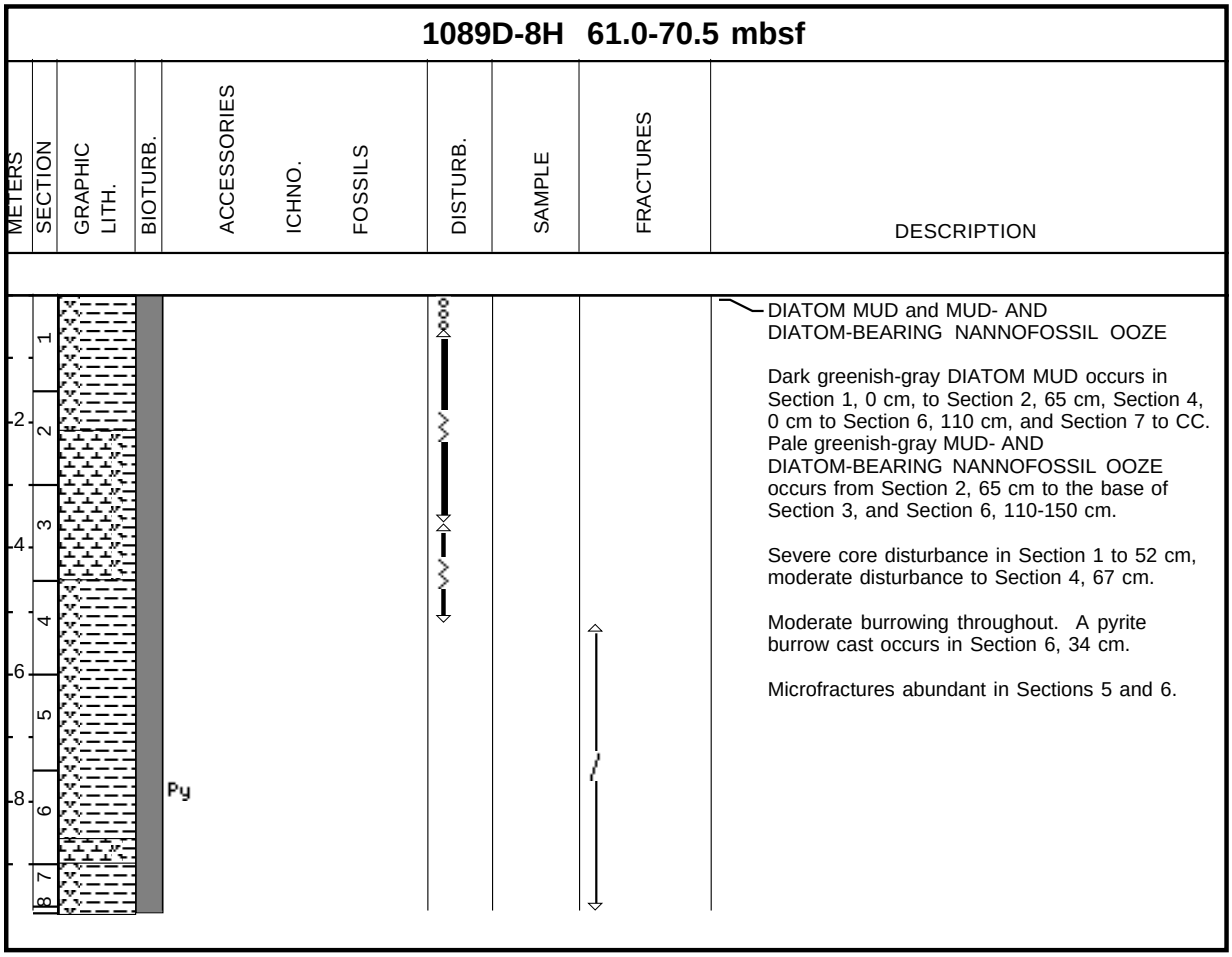
Core Photo


1089D-6H 42.0-51.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Dark greenish-gray DIATOM MUD throughout core length with the exception of two intervals containing pale greenish-gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE; Section 2, 20-70 cm and from Section 5, 126 cm to Section 6, 45 cm.
Moderate burrowing is seen throughout the core. There are rare dark/purplish layers and abundant dark green layers present throughout the length of the core.
The sediments are extremely soupy at Section 1, 0-61 cm and 80-90 cm.

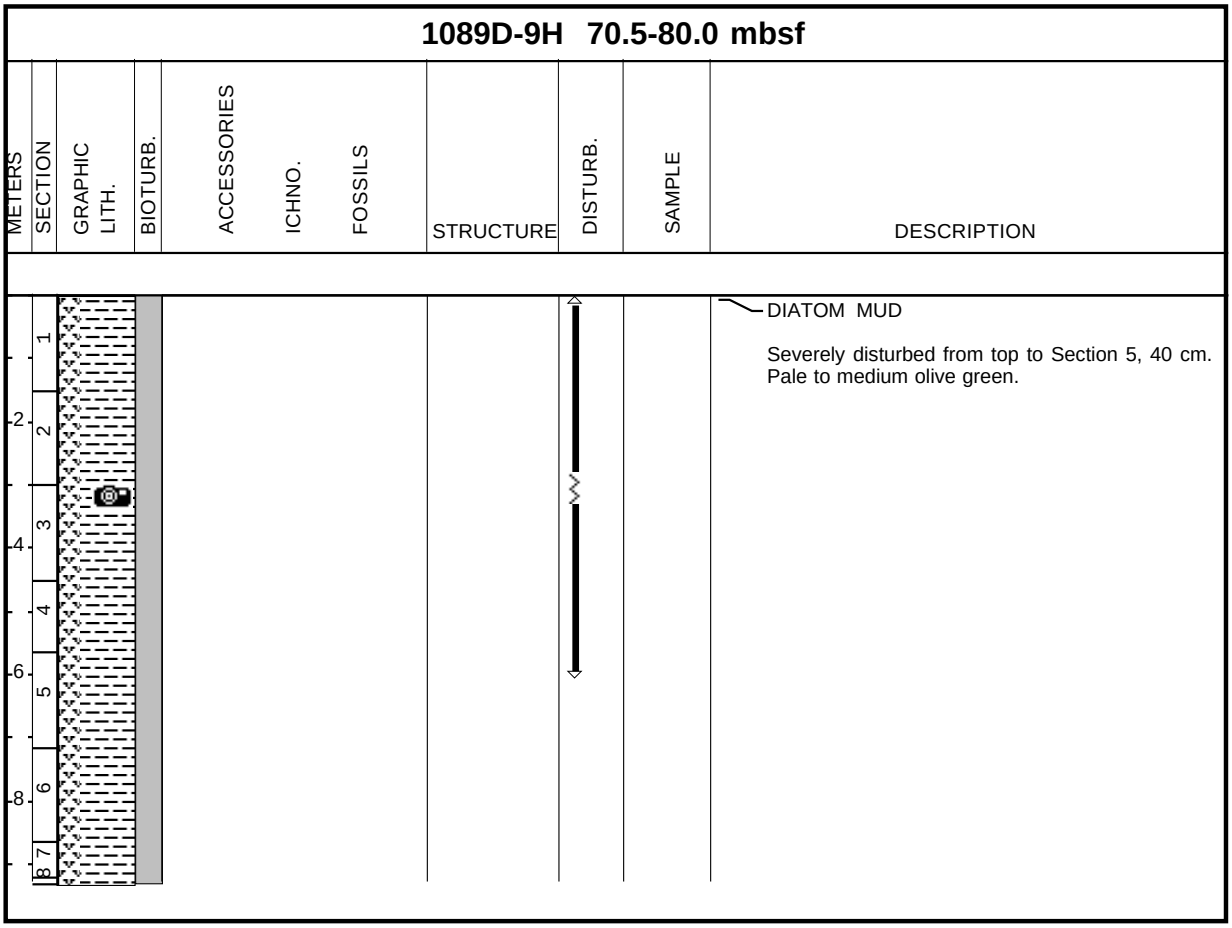
Core Photo


1089D-7H 51.5-61.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD AND DIATOM-BEARING NANNOFOSSIL OOZE AND DIATOM MUD
The dominant lithology alternates between paler MUD AND DIATOM-BEARING NANNOFOSSIL OOZE and darker DIATOM MUD. The core shows moderate bioturbation with Chondrites and some larger burrows.
Note: Sections 1 through 4 are flow-in.

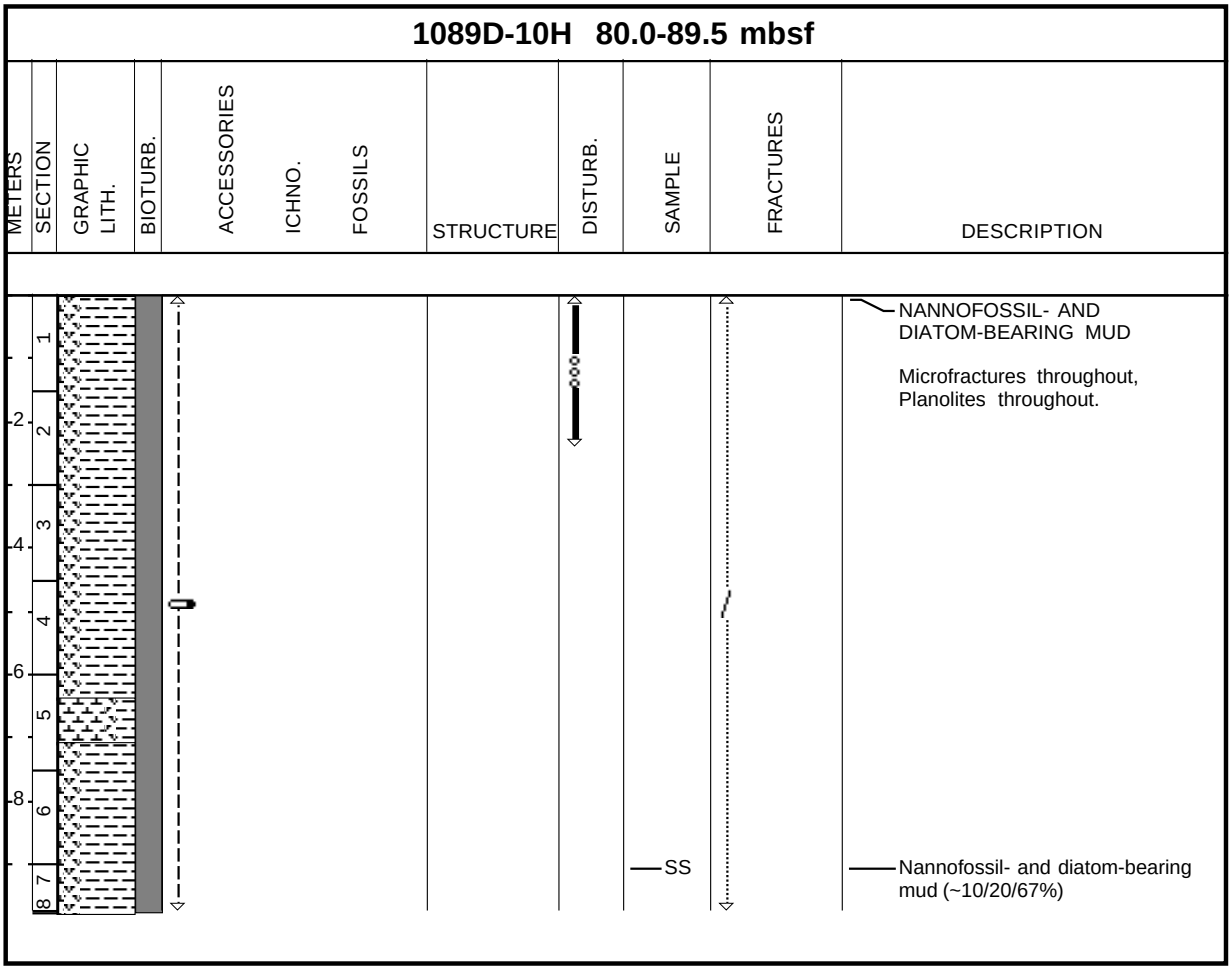
Core Photo


1089D-8H 61.0-70.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
FRACTURES
DESCRIPTION
Py
DIATOM MUD and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Dark greenish-gray DIATOM MUD occurs in Section 1, 0 cm, to Section 2, 65 cm, Section 4, 0 cm to Section 6, 110 cm, and Section 7 to CC. Pale greenish-gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE occurs from Section 2, 65 cm to the base of Section 3, and Section 6, 110-150 cm.
Severe core disturbance in Section 1 to 52 cm, moderate disturbance to Section 4, 67 cm.
Moderate burrowing throughout. A pyrite burrow cast occurs in Section 6, 34 cm.
Microfractures abundant in Sections 5 and 6.

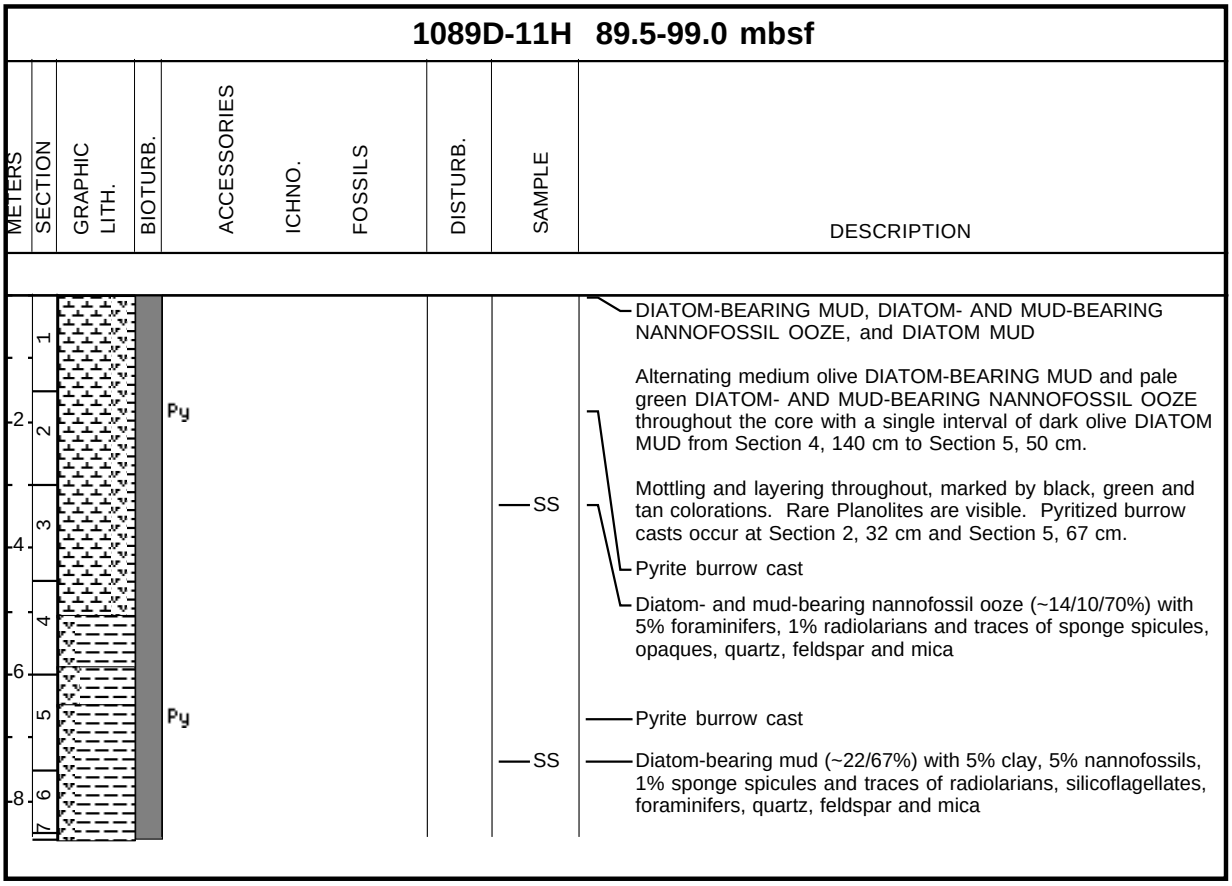
Core Photo


1089D-9H 70.5-80.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD
Severely disturbed from top to Section 5, 40 cm.
Pale to medium olive green.

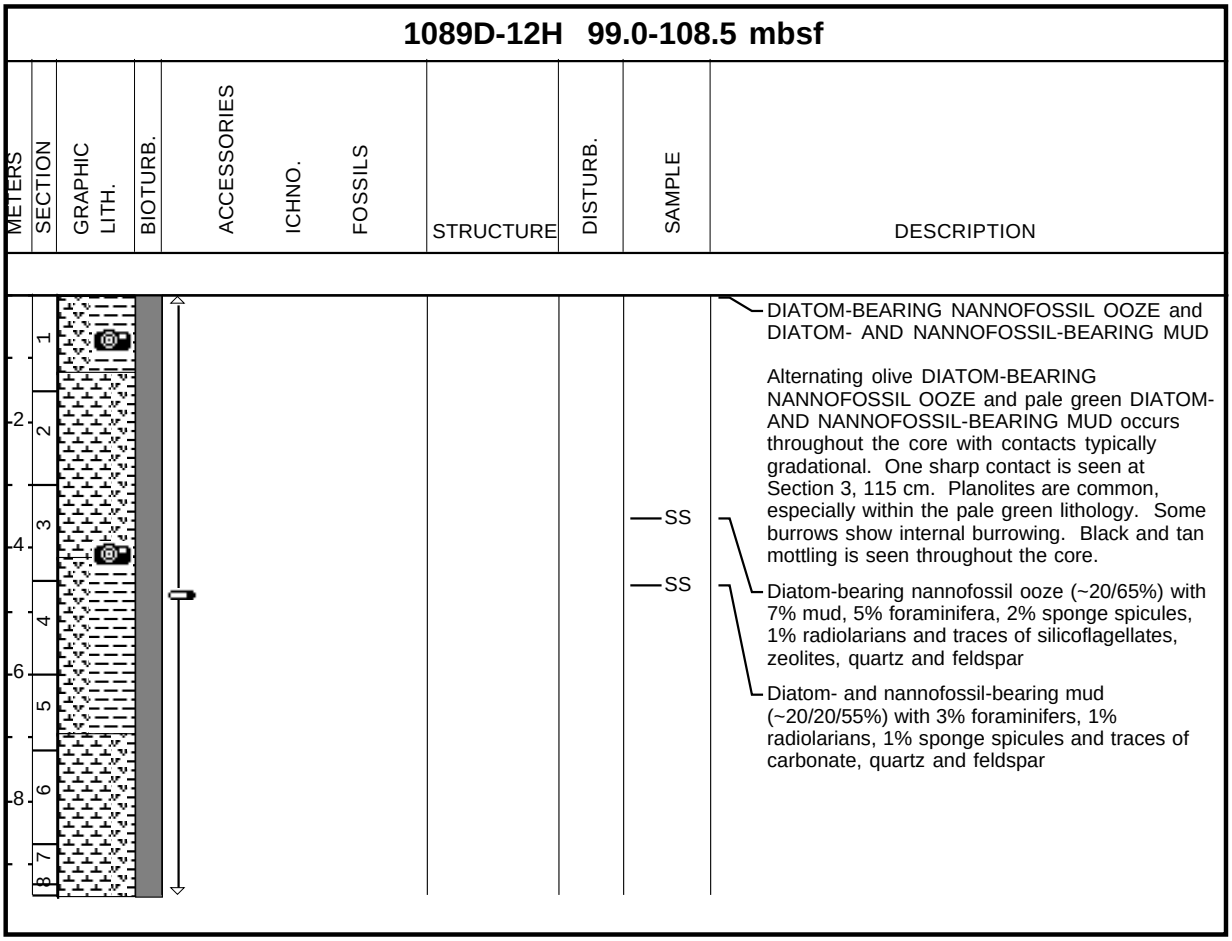
Core Photo


1089D-10H 80.0-89.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
FRACTURES
DESCRIPTION
NANNOFOSSIL- AND DIATOM-BEARING MUD
Microfractures throughout, Planolites throughout.
SS
Nannofossil- and diatom-bearing mud (~10/20/67%)

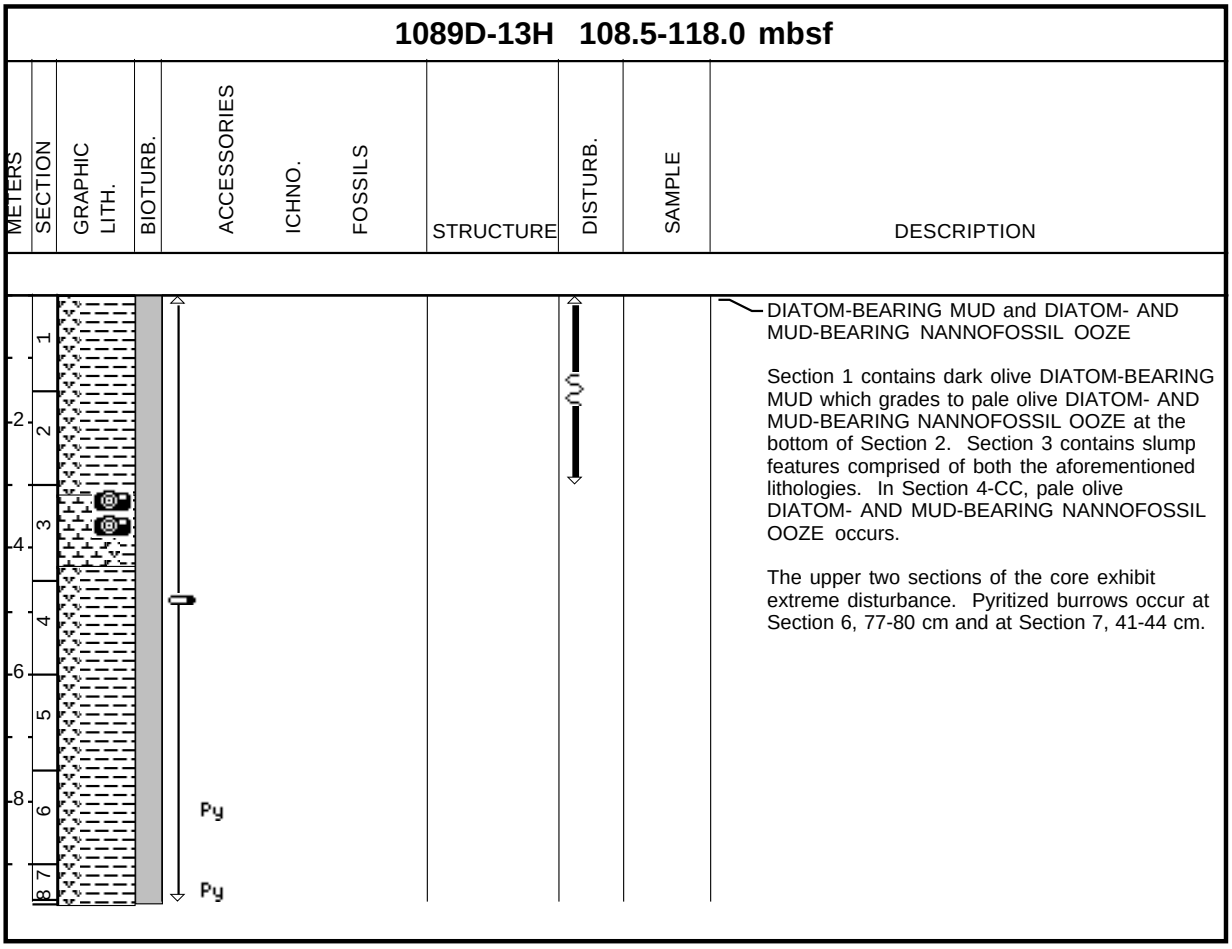
Core Photo


1089D-11H 89.5-99.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
2
4
6
8
1
2
3
4
5
6
7
Py
Py
SS
SS
DIATOM-BEARING MUD, DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE, and DIATOM MUD
Alternating medium olive DIATOM-BEARING MUD and pale green DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE throughout the core with a single interval of dark olive DIATOM MUD from Section 4, 140 cm to Section 5, 50 cm.
Mottling and layering throughout, marked by black, green and tan colorations. Rare Planolites are visible. Pyritized burrow casts occur at Section 2, 32 cm and Section 5, 67 cm.
Pyrite burrow cast
Diatom- and mud-bearing nannofossil ooze (~14/10/70%) with 5% foraminifers, 1% radiolarians and traces of sponge spicules, opaques, quartz, feldspar and mica
Pyrite burrow cast
Diatom-bearing mud (~22/67%) with 5% clay, 5% nannofossils, 1% sponge spicules and traces of radiolarians, silicoflagellates, foraminifers, quartz, feldspar and mica

Core Photo


1089D-12H 99.0-108.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM- AND NANNOFOSSIL-BEARING MUD
Alternating olive DIATOM-BEARING NANNOFOSSIL OOZE and pale green DIATOM- AND NANNOFOSSIL-BEARING MUD occurs throughout the core with contacts typically gradational. One sharp contact is seen at Section 3, 115 cm. Planolites are common, especially within the pale green lithology. Some burrows show internal burrowing. Black and tan mottling is seen throughout the core.
Diatom-bearing nannofossil ooze (~20/65%) with 7% mud, 5% foraminifera, 2% sponge spicules, 1% radiolarians and traces of silicoflagellates, zeolites, quartz and feldspar
Diatom- and nannofossil-bearing mud (~20/20/55%) with 3% foraminifers, 1% radiolarians, 1% sponge spicules and traces of carbonate, quartz and feldspar

Core Photo


1089D-13H 108.5-118.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING MUD and DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE
Section 1 contains dark olive DIATOM-BEARING MUD which grades to pale olive DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE at the bottom of Section 2. Section 3 contains slump features comprised of both the aforementioned lithologies. In Section 4-CC, pale olive DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE occurs.
The upper two sections of the core exhibit extreme disturbance. Pyritized burrows occur at Section 6, 77-80 cm and at Section 7, 41-44 cm.
Py
Py

Sample number									Size		Composition - Siliciclastic																Composition - Biogenic											Sediment or Rock Name	comment
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		
1089	A	1	H	1	2	BD	x		tr	50	x	x	x	x									50	15	5	30	tr	tr	tr					50	nannofossil-bearing diatom mud	
1089	A	1	H	1	139	AK	x			20	x	x	x	x									20	55	5	20	tr	tr	tr					80	diatom- and mud-bearing nannofossil ooze	
1089	A	1	H	4	50	SK	x		tr	35	x	x	x	x								gl	35	40	5	20	tr	tr	tr					65	diatom-bearing mud nannofossil ooze	
1089	A	2	H	5	20	AK	x			45	x	x	x	x									45	20	tr	35	tr	tr	tr					55	nannofossil-bearing diatom mud ooze	
1089	A	2	H	5	103	SK	x			25	x	x	x	x									25	50	5	20	tr	tr	tr					75	diatom-bearing mud nannofossil ooze	
1089	A	2	H	5	130	BD		x	tr	80	x	x	x	x		x	x						80	5	5	10	tr	tr	tr					20	diatom-bearing mud	
1089	A	3	H	1	60	SK	x			20													20	60	4	16	tr	tr	tr					80	diatom and mud bearing nannofossil ooze	
1089	A	3	H	1	114	SK	x			20													20	50	10	18	tr	tr	2					80	foraminifer- diatom and mud-bearing nannofossil ooze	
1089	A	3	H	2	116	AK		x		15											10		25	49	2	20	tr		4					75	pyrite, diatom and mud bearing nannofossil ooze	
1089	A	3	H	3	40	AK	x			25													25	47	7	20	tr		1					75	diatom bearing mud nannofossil ooze	
1089	A	4	H	1	20	AK	x			45	x	x											45	5	tr	40	10	tr	tr					55	diatom mud	
1089	A	4	H	2	8	SK	x			20													20	50	10	20	tr	tr	tr					80	diatom and mud bearing nannofossil ooze	
1089	A	5	H	4	90	BD	x			20	x	x	x	x								gl	20	60	tr	15	tr	5	tr					80	diatom and mud bearing nannofossil ooze	
1089	A	5	H	5	116	BD	x			55	x	x	x	x								gl	55	5	tr	40		tr	tr					45	diatom mud	
1089	A	5	H	4	123	BD		x		80	x	x	x	x									80			20								20	diatom-bearing mud (GREEN LAYER)	
1089	A	6	H	2	88	AK	x			15													15	49	5	23	5	tr	3					85	diatom and mud bearing nannofossil ooze	
1089	A	6	H	5	60	SK	x			30											tr		30	35	5	25	3	tr	2					70	diatom mud nannofossil ooze	
1089	A	7	H	1	100	DW	x			60	A	C		T								2	60	20	4	15	1		tr					40	diatom- and nannofossil-bearing mud	
1089	A	7	H	3	40	DW	x			7	C			C									7	81	5	6	1		tr					93	nannofossil ooze	
1089	A	7	H	5	50	DW	x			7	P		P							P			7	50		30	10		3					93	radiolarian-bearing diatom nannofossil ooze	
1089	A	7	H	CC	10	SOC		X		6	C									P		gl	6	75		15	2		1				1	94	foraminifer-bearing nannofossil ooze	
1089	A	8	H	1	94	SOC	x			15	C		C	R					C	C		gl	15	70		10	3		2					85	diatom- and mud-bearing nannofossil ooze	
1089	A	8	H	5	30	SOC	x			20	P		C										20	70		8	1		1					80	silica- and mud-bearing nannofossil ooze	
1089	A	8	H	5	70	DW	x			65	A	P											65	tr		25	10		P					35	radiolarian-bearing diatom mud	
1089	A	9	H	1	43	SOC		x		84	C			P						A		gl	84			10	3	tr	3					16	diatom-bearing glauconite mud	glauconite abundant, opaque coating on biosilica
1089	A	9	H	1	65	SOC	x		tr	58	A	P		P			P		C	R		gl	58	10		30	tr		2					42	nannofossil-bearing diatom mud	
1089	A	9	H	1	122	SOC		x		41	C	P		P			R		A				41	20		35	2	1	1					59	nannofossil-bearing diatom mud ooze	
1089	A	10	H	1	109	SC	x			54	A	P								tr		gl	54	30		15		1						46	diatom-bearing nannofossil mud	
1089	A	10	H	2	38	DW		x		60	A	P	P									gl	60		tr	35	tr		5					40	diatom mud	very silty
1089	A	10	H	2	44	GF	x			15	A	A				P	P		P			gl	15	55		30	tr	tr	tr					85	mud-bearing diatom nannofossil ooze	
1089	A	10	H	3	62	WH	x			45	A	P											45			50			5					55	mud diatom ooze	very silty
1089	A	10	H	5	37	WH	x			8	C	tr										tr	8	60		30	2							92	diatom nannofossil ooze	
1089	A	10	H	6	118	DW		x			A						tr			tr		gl	0	44	17	38	tr	tr	1					100	foraminifer-bearing diatom nannofossil ooze	
1089	A	11	H	2	6	WH	x			9	P						tr			tr			9	40	tr	41	5	tr	5					91	nannofossil diatom ooze	
1089	A	11	H	3	10	DW	x			70	A	A		P									70	6	5	10	5		4					30	diatom-bearing mud	
1089	A	11	H	3	100	DW	x			43	A	C							R	tr			43	20	9	25		1	2					57	nannofossil-bearing diatom mud	
1089	A	12	H	2	57	SOC	x			55	A	P		R			R		P	P		gl	55	5		30	5		5					45	diatom mud	

Sample number									Size		Composition - Siliciclastic																Composition - Biogenic											Sediment or Rock Name	comment
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		
1089	A	12	H	3	107	WH	x			10	R												10	40		40	5		5					90	mud-bearing diatom nannofossil ooze	
1089	A	12	H	5	112	WH	x			60	R		A										60	5		30			5					40	diatom mud	
1089	A	14	H	4	30	SK	x			20													20	45	1	25	2	2	5					80	mud-bearing diatom nannofossil ooze	
1089	A	14	H	4	76	SK	x			50									1				50	tr		35	8	2	5					50	diatom mud	
1089	A	15	H	2	30	BD	x			56	P	P	P	P									56	2	tr	30	5	2	5					44	diatom mud	
1089	A	15	H	3	8	BD	x			20	P	P	P	P									20	65	tr	15	tr	tr	tr					80	diatom and mud bearing nannofossil ooze	
1089	A	16	H	4	80	AK	x			50	P	P	P	P					3			tr	53	tr		35	8	tr	4					47	diatom mud	
1089	A	16	H	5	36	AK	x			15													18	45	10	20	4		3					82	foraminifer, diatom and mud bearing nannofossil ooze	dark
1089	A	16	H	6	83	AK		x		54	P	P	P	P					7		1	tr	61	1	1	30	2	tr	5					39	diatom mud	pale
1089	A	16	H	6	83	AK	x			15									3				18	53	1	25	1	tr	2					82	mud-bearing diatom nannofossil ooze	
1089	A	18	H	2	125	BD	x			15												gl	15	60	2	20	tr	tr	3					85	mud and diatom bearing nannofossil ooze	
1089	A	18	H	4	115	BD	x			45													45	15	tr	30	5	tr	5					55	nannofossil-bearing diatom mud	
1089	A	19	H	1	125	BD	x			26	P	P	P	P								gl	27	46	tr	20	2	1	4					73	diatom bearing mud nannofossil ooze	
1089	A	19	H	3	109	BD	x			10	P	P	P	P								gl	10	67	3	11	1	3	5					90	mud and diatom bearing nannofossil ooze	
1089	A	19	H	5	89	BD	x			65	P	P	P	P			P					gl	64	3	tr	30	1	tr	2					36	diatom mud	
1089	A	20	H	1	83	DW	x			55	A	C											55	9	5	22	2		7					45	diatom-bearing mud	
1089	A	20	H	6	68	WH	x			9	P	P											9	60	tr	30	tr	tr	1					91	diatom nannofossil ooze	
1089	A	21	H	1	100	DW	x			70	A	C		P		P							70			20	5	5						30	diatom-bearing mud	
1089	A	21	H	2	75	WH	x			5	P												5	67	2	24	2							95	diatom-bearing nannofossil ooze	
1089	A	23	H	1	110	GF	x			70	C	C	C						P				70	tr		25	tr	tr	5					30	diatom mud	
1089	A	23	H	2	67	GF	x			5													5	70		20	tr	tr	5					95	diatom-bearing nannofossil ooze	
1089	A	23	H	5	145	GF	x			70	P	P		P									70	5		19	tr	tr	6					30	diatom-bearing mud	

Sample number									Size		Composition - Siliciclastic														Composition - Biogenic												Sediment or Rock Name	comment
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	Siliceoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic		
1089	B	1	H	1	10	SC	x			4	P			R					P		P	gl	4	90	1	5	tr	tr	tr					96	Nannofossil ooze	
1089	B	1	H	3	29	SC	x			8				R								gl	8	82	1	8	tr	tr	1					92	Nannofossil ooze	
1089	B	1	H	4	30	SC	x			4	P			R					P		P	gl	4	90	tr	5	tr	tr	1					96	Nannofossil ooze	
1089	B	2	H	1	140	SK		x		50											15	gl	65	tr	2	25	3		5					35	Pyrite-bearing diatom mud	
1089	B	2	H	2	46	BD	x			40												gl	40	20	10	25	2		3					60	foraminifer- and nannofossil-bearing mud diatom ooze	
1089	B	2	H	3	32	SK	x			10												gl	10	55	8	20	2	tr	5					90	Mud- and diatom-bearing nannofossil ooze	
1089	B	2	H	5	130	SK	x			40												gl	40	20	5	30	1	tr	4					60	Nannofossil-bearing mud diatom ooze	
1089	B	3	H	2	82	SK	x			30												gl	30	40	5	20	1	tr	4					70	Diatom-bearing mud nannofossil ooze	
1089	B	3	H	4	135	SK	x			46												gl	46	14	4	30	2		4					54	Nannofossil-bearing diatom mud	
1089	B	3	H	5	124	SK	x			15												gl	15	50	10	20	2		3					85	foraminifer- mud- and diatom-bearing nannofossil ooze	
1089	B	4	H	3	150	BD	x			60	P	P	P	P			P					gl	60	5	tr	30	2	tr	3					40	diatom mud	
1089	B	4	H	5	32	BD	x			15												gl	15	57	8	15	tr	tr	5					85	Diatom- and mud-bearing nannofossil ooze	
1089	B	4	H	5	140	BD	x			25												gl	25	42	8	20	tr	tr	5					75	Diatom-bearing mud nannofossil ooze	
1089	B	5	H	3	119	SK	x			10												gl	10	65	1	20	1	tr	3					90	Mud- and diatom-bearing nannofossil ooze	
1089	B	5	H	5	128	SK	x			20												gl	20	45	2	30	1	tr	2					80	Mud-bearing diatom nannofossil ooze	
1089	B	5	H	6	78	SK	x			60												gl	60	tr		35	1	tr	4					40	diatom mud	
1089	B	6	H	2	11	BD	x			36												gl	36	38	tr	24	tr	tr	2					64	Diatom-bearing mud nannofossil ooze	
1089	B	6	H	3	29	BD	x			15												gl	15	56	9	20	tr	tr	tr					85	Mud- and diatom-bearing nannofossil ooze	
1089	B	6	H	6	40	BD	x			51	P	P	P	P								gl	51	15	tr	28	2	tr	4					49	Nannofossil-bearing diatom mud	
1089	B	7	H	2	49	BD		x		39	C	P	P	P						1		gl	40	40	9	10	tr	1						60	Diatom-bearing nannofossil mud	
1089	B	7	H	2	77	BD	x			50	C	P	P							tr		gl	50	30	10	10	tr		tr					50	Diatom-bearing calcareous mud	discoasters
1089	B	7	H	3	89	BD	x			5	P	P	P							P		gl	5	85	5	5		tr						95	Nannofossil ooze	
1089	B	8	H	1	38	SC	x			8	P		P				tr			tr		gl	8	82	2	7	tr		1					92	Nannofossil ooze	discoasters
1089	B	8	H	2	149	SC	x			30	C					R			C	tr		gl	30	39	tr	30	tr		1					70	mud diatom nannofossil ooze	
1089	B	8	H	4	93	SC	x			5						tr			P	tr			5	93	tr	2	tr		tr					95	Nannofossil ooze	
1089	B	8	H	4	148	SC	x			45	C	tr	A	tr		tr	R		R	tr		gl	45	2		51	1	tr	1					55	mud diatom ooze	
1089	B	9	H	2	66	SC	x			7	P		P	tr			tr		C	tr		gl	7	85	3	5	tr		tr					93	Nannofossil ooze	discoasters
1089	B	9	H	5	80	SC	x			65	A	tr	A	tr		tr	tr		R	tr	gl		65	3		30	tr	tr	2					35	Diatom-bearing mud	
1089	B	10	H	1	147	GF	x			20	A	A	P	P					P				20	5	5	50	7	3	10	tr				80	Mud-bearing diatom ooze	
1089	B	10	H	2	111	GF	x			10	P	P							P				10	80	5	3		tr	2					90	Mud-bearing nannofossil ooze	
1089	B	10	H	4	114	GF	x			42	P		A	P					P				42	48	tr	5	tr	tr	5	tr				58	mud nannofossil ooze	
1089	B	13	H	3	78	SK	x			55				P								gl	55			40	1	tr	4					45	diatom mud	
1089	B	13	H	3	140	SK	x			15												gl	15	55	5	20	2	tr	3					85	mud - and diatom-bearing nannofossil ooze	
1089	B	13	H	4	79	SK	x			25												gl/dol	25	45	3	20	2	tr	5					75	diatom-bearing mud nannofossil ooze	
1089	B	15	H	2	85	SK	x			60												gl	60	5		30	tr	tr	5					40	diatom mud	
1089	B	15	H	3	25	SK	x			30												gl	30	45	1	20	tr	tr	4					70	diatom-bearing mud nannofossil ooze	
1089	B	15	H	4	112	SK	x			20												gl	20	55	1	20	1	tr	3					80	mud - and diatom-bearing nannofossil ooze	
1089	B	16	H	4	110	BD	x			15													15	60	5	20	tr	tr	tr					85	mud - and diatom-bearing nannofossil ooze	
1089	B	16	H	5	34	BD	x			50	P	P	P	P								gl	50	20	3	24	tr	tr	3					50	nannofossil-and diatom-bearing mud	
1089	B	16	H	6	53	BD	x			60	P	P	P	P								gl	60	10	tr	28	tr	tr	2					40	diatom mud	

Sample number							Size		Composition - Siliciclastic															Total siliciclastic	Composition - Biogenic										Total Biogenic	Sediment or Rock Name	comment
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		Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified				
1089	B	18	H	2	15	SK	x			15	P	P	P	P								gl	15	55	3	25	tr	tr	2					85	Mud-bearing diatom nannofossil ooze	
1089	B	18	H	2	45	SK	x			50	P	P	P	P							2	gl	52	5		35	5	tr	3					48	diatom mud	
1089	B	18	H	5	145	SK	x			10	P	P	P	P								gl	10	60	7	20	tr	tr	3					90	Mud- and diatom-bearing nannofossil ooze	
1089	B	19	H	1	131	GF	x			70	A	P	A	P					P				70	5	5	15	tr	tr	5					30	Diatom-bearing mud	
1089	B	19	H	2	91	GF	x			10	P	P		P					P			gl	10	75	5	5	tr		5					90	Mud-bearing nannofossil ooze	
1089	B	19	H	3	75	GF	x			75	A	P	P	P					P			gl	75	15		5		tr	5					25	Nannofossil mud	
1089	B	19	H	5	39	GF	x			20	A	A	P	P					P			gl	20	60		15	tr	tr	5					80	Diatom- and mud-bearing nannofossil ooze	
1089	B	20	H	5	26	DW	x			10	P	P	P										10	84	1	5		tr	tr					90	Mud-bearing nannofossil ooze	
1089	B	20	H	7	83	SC	x			88	A		A	tr			tr		tr	tr		gl	88	2	tr	10	tr	tr	tr	tr				12	Diatom-bearing mud	fish teeth
1089	B	21	H	1	50	DW	x			67	A	A	A	C									67	8		20	1	tr	2			2		33	diatom mud	
1089	B	21	H	5	70	DW	x			62	C	C	7	P									62	5	tr	30	tr	tr	3					38	diatom mud	
1089	B	21	H	6	29	DW	x			10	C	C	C	P									10	75	4	10	tr	tr	1	tr				90	Diatom- and mud-bearing nannofossil ooze	
1089	B	22	H	3	60	GF	x			10	C	C	P	P					P			gl	10	75		5		2	8					90	Mud- and silica-bearing nannofossil ooze	
1089	B	22	H	4	24	DW		x		87	A	A	A	P	P		P			P			87	3		4	1		5					13	Mud	silt in burrow fill
1089	B	22	H	4	133	GF	x			55	C	C	P	P								gl	55	tr		35	5	tr	5					45	diatom mud	
1089	B	23	H	3	60	GF	x			70	A	A	A	P					P				70	10		10	tr	tr	10					30	Siliceous mud	
1089	B	23	H	4	143	GF	x			15	P	P		P					P				15	70		10	tr	tr	5					85	Mud- and diatom-bearing nannofossil ooze	
1089	B	24	H	2	60	DW	x			10	A	A								C			10	70	10	8	tr	tr	2					90	Mud- and foraminifer-bearing nannofossil ooze	
1089	B	24	H	5	50	GF	x			55	A	A		P					P		P		55	tr		15	10		10					35	pyrite-bearing siliceous mud	
1089	B	25	H	6	81	SK	x			20												gl	20	60	tr	15	1	tr	4					80	diatom- and mud bearing nannofossil ooze	
1089	B	25	H	7	26	SK	x			70												gl	70			25	2	tr	3					30	diatom mud	
1089	B	26	H	6	5	SK	x			58				P								gl	58			40	tr		2					42	diatom mud	
1089	B	26	H	6	56	SK	x			15												gl	15	60		20	1		4					85	mud- and diatom-bearing nannofossil ooze	
1089	B	27	H	3	51	BD	x			70													70	tr	tr	30	tr		tr					30	diatom mud	
1089	B	28	H	1	95	SK	x			73												gl	73			25	tr	tr	2					27	diatom mud	
1089	B	29	H	4	24	SK	x			65												gl	65			30	tr		5					35	diatom mud	
1089	B	27	H	5	130	BD		x	75		A	A		P	P		P			P			75						25					25	spicule fine sand	

Sample number									Size		Composition - Siliciclastic													Composition - Biogenic											Sediment or Rock Name	comment
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1089	C	1	H	1	10	SK	X			20												gl	20	50	2	20	3	t	5					80	mud and diatom-bearing nannofossil ooze	
1089	C	1	H	1	45	SK	x			50												gl	50	15	10	20	2	t	3					50	foraminifer- nannofossil-and diatom-bearing mud	
1089	C	2	H	2	18	SK	x			5												gl	5	60	12	15	4	t	4					95	foraminifer- and diatom-bearing nannofossil ooze	
1089	C	2	H	2	103	GF	x			5			P										5	85		5	tr	tr	5					95	Silica-bearing nannofossil ooze	
1089	C	2	H	4	30	GF	x			80	P	P	A						P			gl	80	tr		15	tr	tr	5					20	Diatom-bearing mud	
1089	C	3	H	1	100	WH	x			65	A	A	P	A					P			gl	65	10		10	2	3	10					35	Nannofossil-bearing siliceous nannofossil ooze	
1089	C	3	H	2	10	GF	x			10	P	P		P					P			gl	10	60		20	2	3	5					90	Mud-bearing siliceous nannofossil ooze	
1089	C	4	H	4	93	DW	x			10	A	C	P	P						P			10	74	4	10	1	tr	1					90	Mud- and diatom-bearing nannofossil ooze	
1089	C	4	H	5	80	GF	x			20	P	A	P	P					A				20			60	2	5	13					80	Mud- and spicule-bearing diatom ooze	
1089	C	5	H	4	100	DW	x			60	A	C	6	P			P			P		tr	66	2		29	1	1	1					34	Diatom mud	some pyritized radiolarians
1089	C	5	H	5	107	DW	x			10	P		P				P			P			10	64	6	19	tr	tr	1					90	Diatom- and mud-bearing nannofossil ooze	rare discoasters
1089	C	6	H	2	40	GF	x			50	A	P	P	P									50			40	tr	tr	10					50	diatom mud	
1089	C	6	H	4	85	DW	x			10													10	74	5	10	t	t	1					90	mud and diatom-bearing nannofossil ooze	
1089	C	6	H	6	49	GF	x			10													10	65		20			5					90	mud and diatom-bearing nannofossil ooze	
1089	C	7	H	1	85	GF	x			15	P	P		P						P			15	55		15	5	5	5					85	mud and diatom-bearing nannofossil ooze	
1089	C	7	H	4	13	GF	x			65	A	A		P					P				65	tr		15	5	5	10					35	diatom-bearing mud	
1089	C	7	H	6	80	GF	x			10	P	P		P						P			10	80		5			5					90	mud-and silica-bearing nannofossil ooze	
1089	C	8	H	1	32	SK				15												gl	15	60	3	20	1	t	1					85	mud and diatom-bearing nannofossil ooze	
1089	D	8	H	4	55	BD		x		82	A	A	A	P		P						gl	82		t	15	t	t	3					18	diatom-bearing mud	