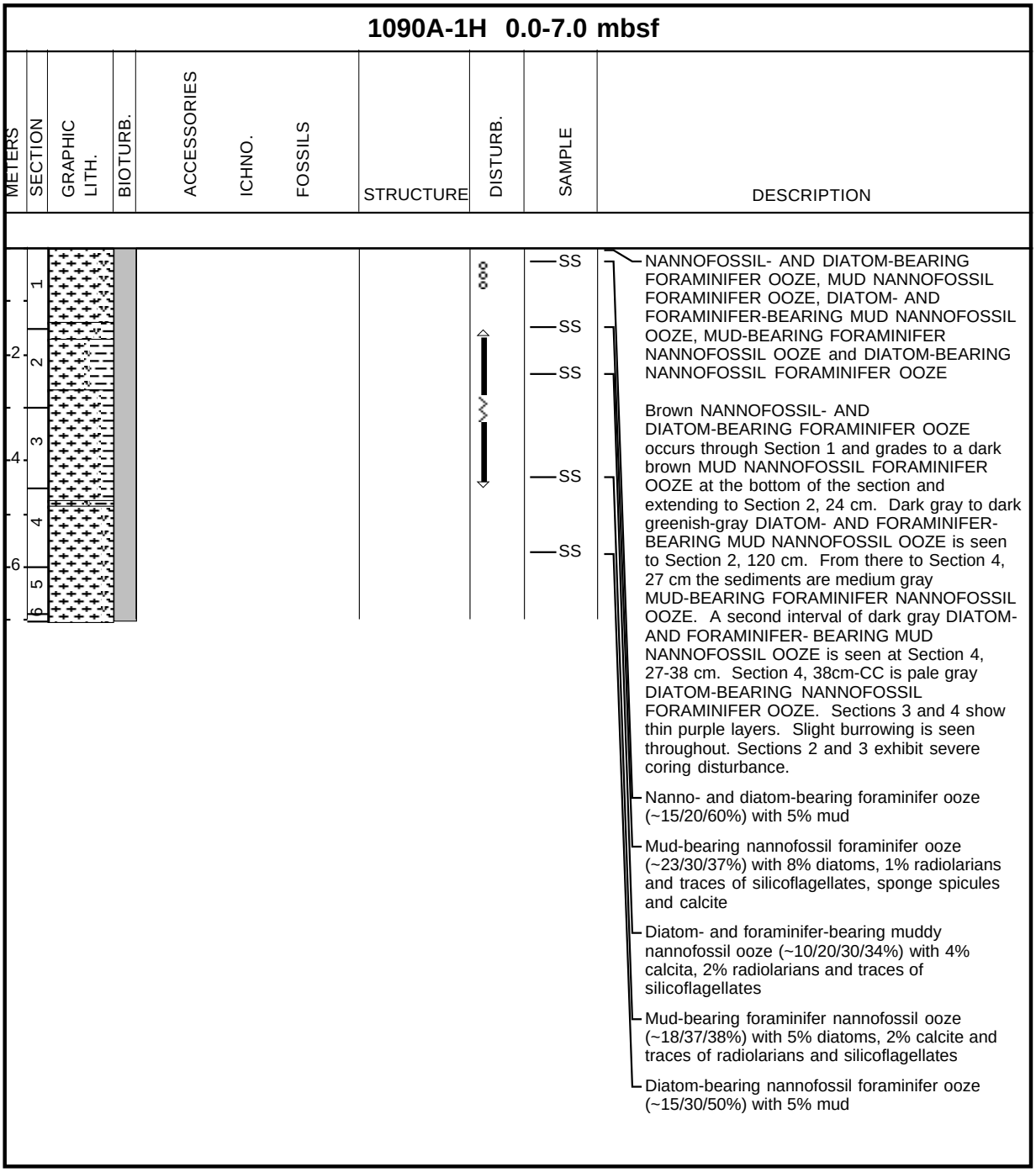
Core Photo


1090A-1H 0.0-7.0 mbsf
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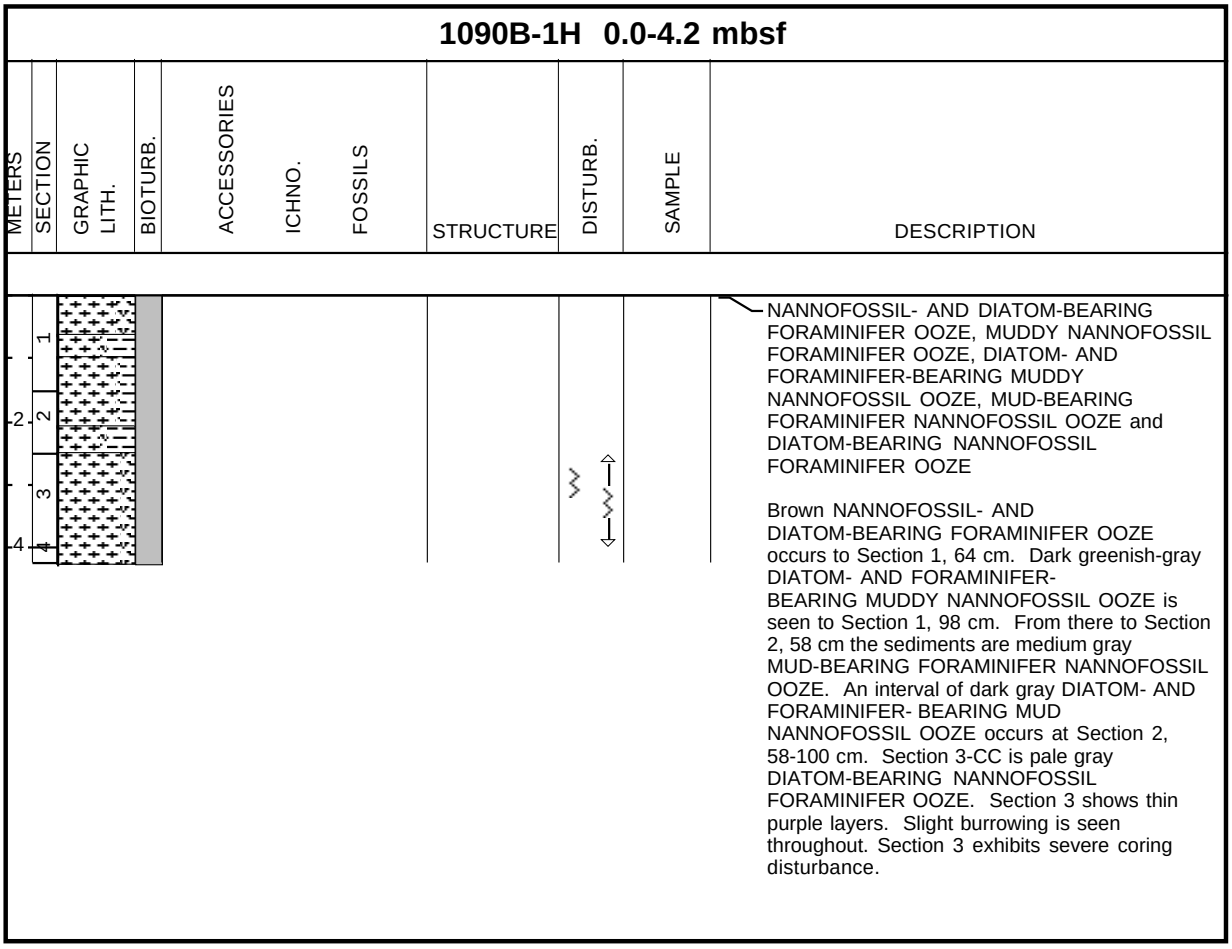
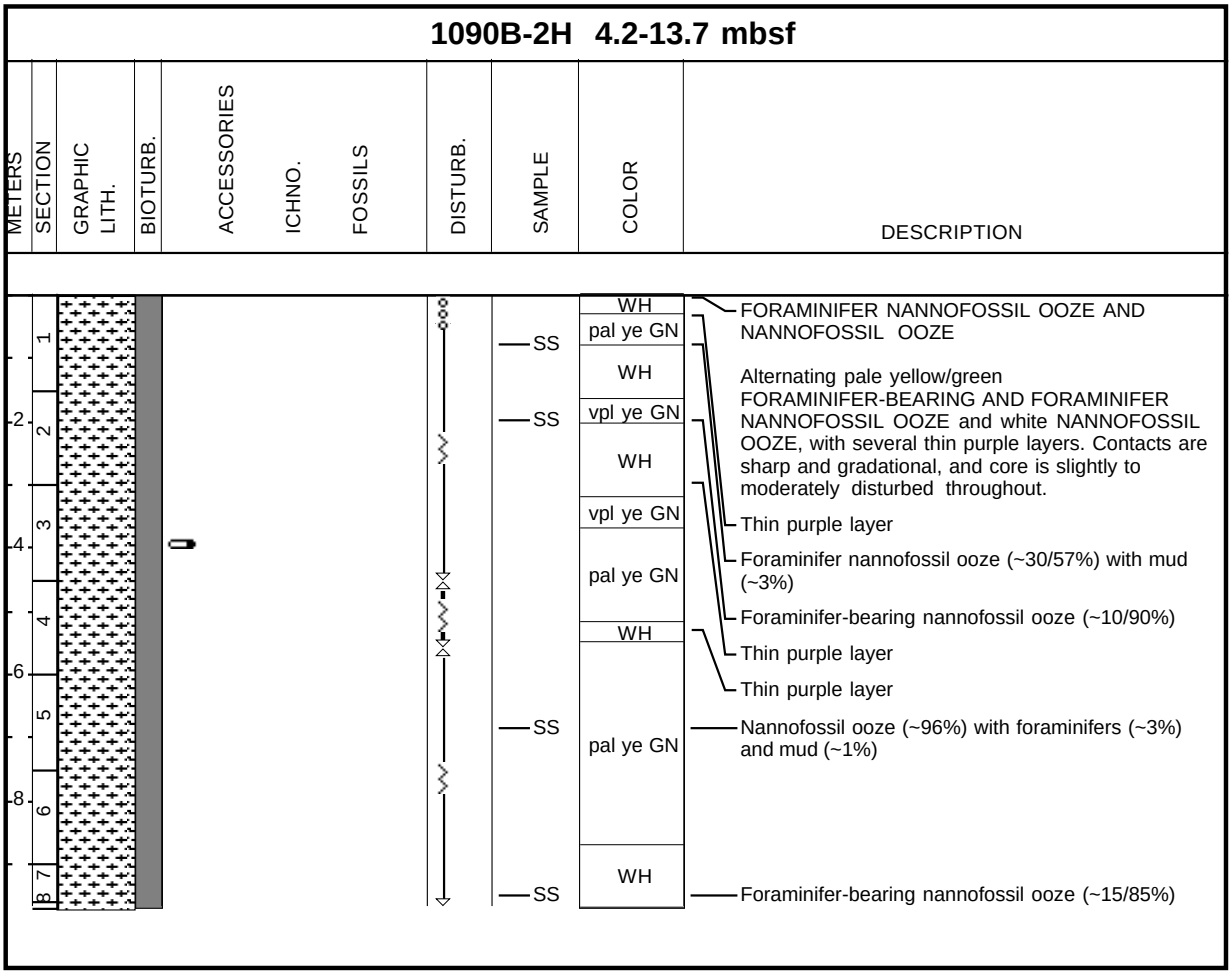
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
NANNOFOSSIL- AND DIATOM-BEARING FORAMINIFER OOZE, MUD NANNOFOSSIL FORAMINIFER OOZE, DIATOM- AND FORAMINIFER-BEARING MUD NANNOFOSSIL OOZE, MUD-BEARING FORAMINIFER NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL FORAMINIFER OOZE
Brown NANNOFOSSIL- AND DIATOM-BEARING FORAMINIFER OOZE occurs through Section 1 and grades to a dark brown MUD NANNOFOSSIL FORAMINIFER OOZE at the bottom of the section and extending to Section 2, 24 cm. Dark gray to dark greenish-gray DIATOM- AND FORAMINIFER-BEARING MUD NANNOFOSSIL OOZE is seen to Section 2, 120 cm. From there to Section 4, 27 cm the sediments are medium gray MUD-BEARING FORAMINIFER NANNOFOSSIL OOZE. A second interval of dark gray DIATOM- AND FORAMINIFER- BEARING MUD NANNOFOSSIL OOZE is seen at Section 4, 27-38 cm. Section 4, 38cm-CC is pale gray DIATOM-BEARING NANNOFOSSIL FORAMINIFER OOZE. Sections 3 and 4 show thin purple layers. Slight burrowing is seen throughout. Sections 2 and 3 exhibit severe coring disturbance.
Nanno- and diatom-bearing foraminifer ooze (~15/20/60%) with 5% mud
Mud-bearing nannofossil foraminifer ooze (~23/30/37%) with 8% diatoms, 1% radiolarians and traces of silicoflagellates, sponge spicules and calcite
Diatom- and foraminifer-bearing muddy nannofossil ooze (~10/20/30/34%) with 4% calcita, 2% radiolarians and traces of silicoflagellates
Mud-bearing foraminifer nannofossil ooze (~18/37/38%) with 5% diatoms, 2% calcite and traces of radiolarians and silicoflagellates
Diatom-bearing nannofossil foraminifer ooze (~15/30/50%) with 5% mud

Core Photo


1090B-1H 0.0-4.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
2
4
NANNOFOSSIL- AND DIATOM-BEARING FORAMINIFER OOZE, MUDDY NANNOFOSSIL FORAMINIFER OOZE, DIATOM- AND FORAMINIFER-BEARING MUDDY NANNOFOSSIL OOZE, MUD-BEARING FORAMINIFER NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL FORAMINIFER OOZE
Brown NANNOFOSSIL- AND DIATOM-BEARING FORAMINIFER OOZE occurs to Section 1, 64 cm. Dark greenish-gray DIATOM- AND FORAMINIFER-BEARING MUDDY NANNOFOSSIL OOZE is seen to Section 1, 98 cm. From there to Section 2, 58 cm the sediments are medium gray MUD-BEARING FORAMINIFER NANNOFOSSIL OOZE. An interval of dark gray DIATOM- AND FORAMINIFER- BEARING MUD NANNOFOSSIL OOZE occurs at Section 2, 58-100 cm. Section 3-CC is pale gray DIATOM-BEARING NANNOFOSSIL FORAMINIFER OOZE. Section 3 shows thin purple layers. Slight burrowing is seen throughout. Section 3 exhibits severe coring disturbance.

Core Photo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SECTION
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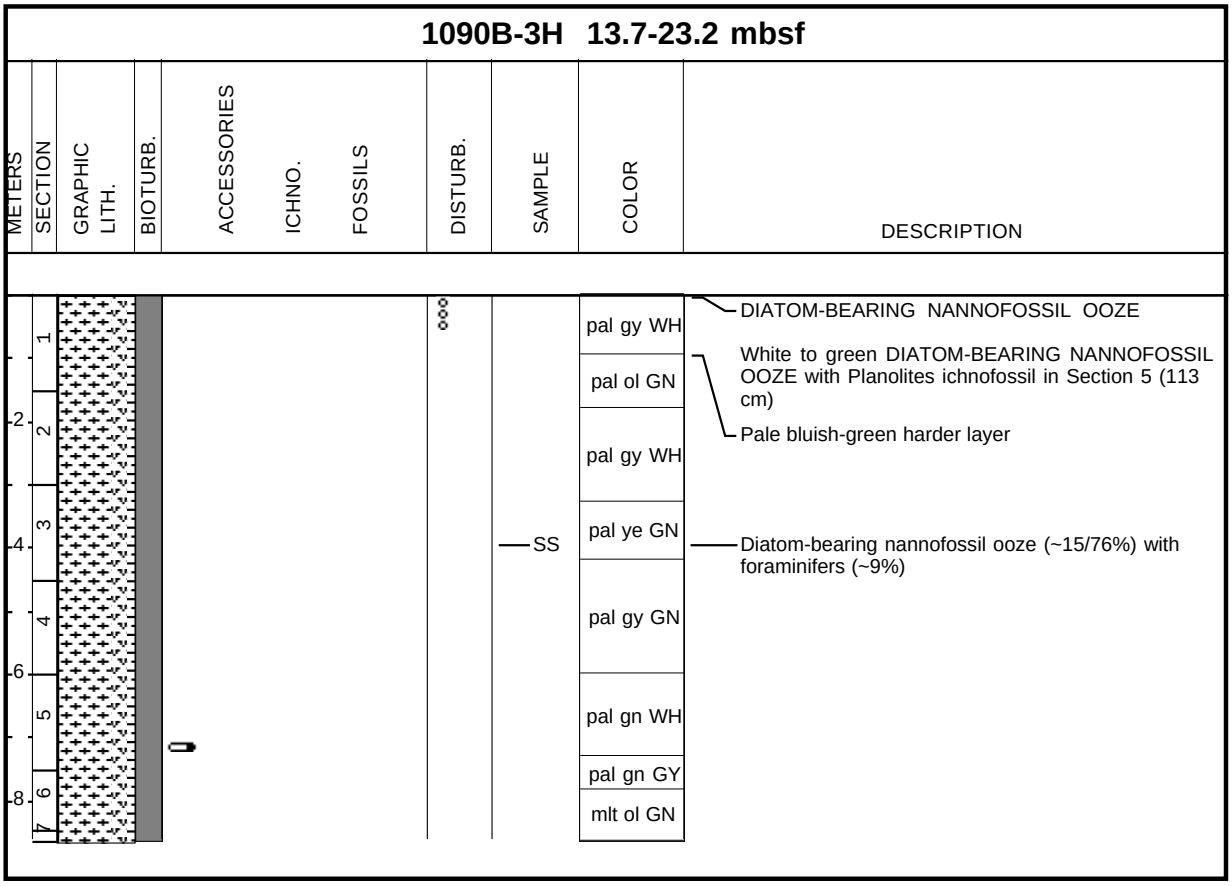
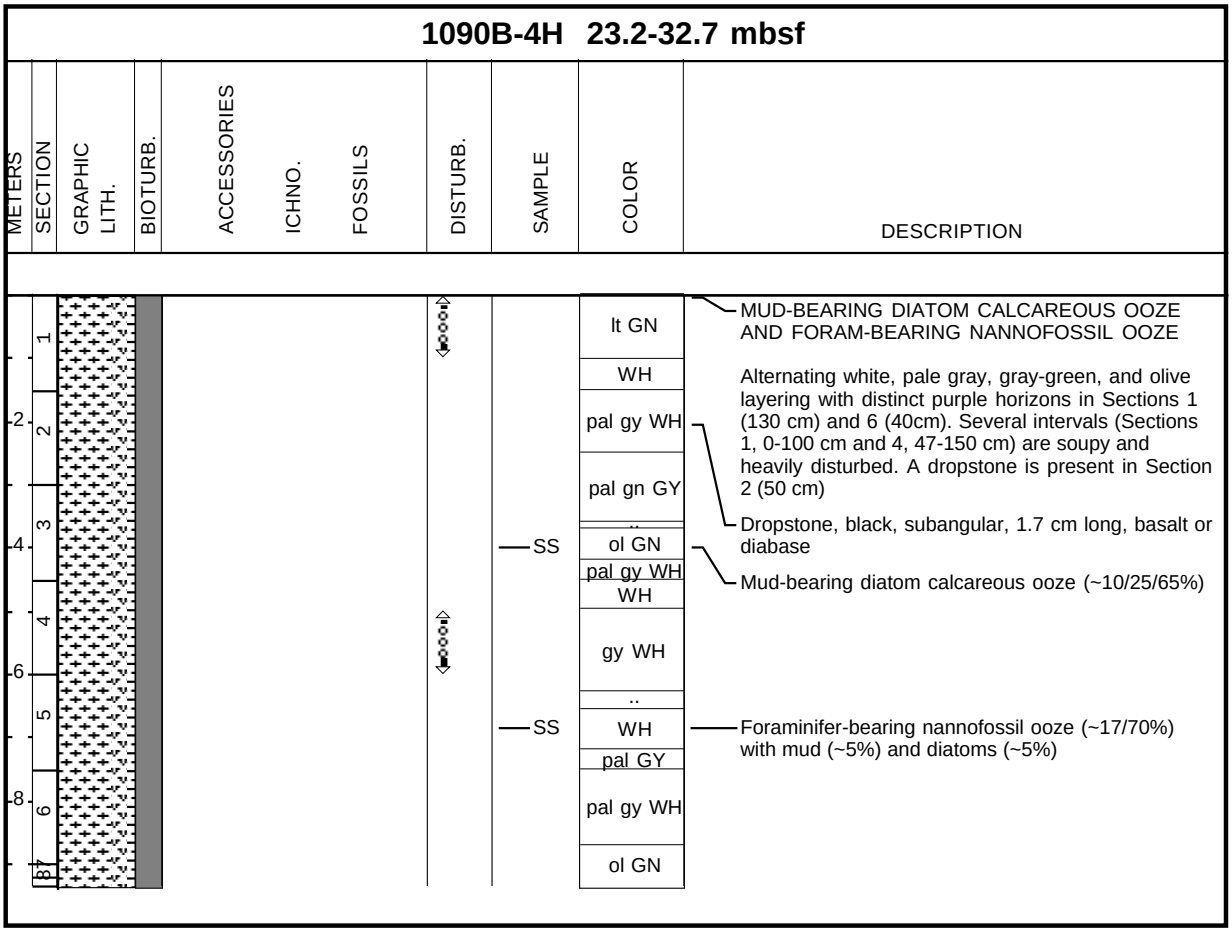
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
DESCRIPTION
SS
SS
SS
SS
WH
pal ye GN
WH
vpl ye GN
WH
vpl ye GN
pal ye GN
WH
pal ye GN
WH
FORAMINIFER NANNOFOSSIL OOZE AND NANNOFOSSIL OOZE
Alternating pale yellow/green FORAMINIFER-BEARING AND FORAMINIFER NANNOFOSSIL OOZE and white NANNOFOSSIL OOZE, with several thin purple layers. Contacts are sharp and gradational, and core is slightly to moderately disturbed throughout.
Thin purple layer
Foraminifer nannofossil ooze (~30/57%) with mud (~3%)
Foraminifer-bearing nannofossil ooze (~10/90%)
Thin purple layer
Thin purple layer
Nannofossil ooze (~96%) with foraminifers (~3%) and mud (~1%)
Foraminifer-bearing nannofossil ooze (~15/85%)

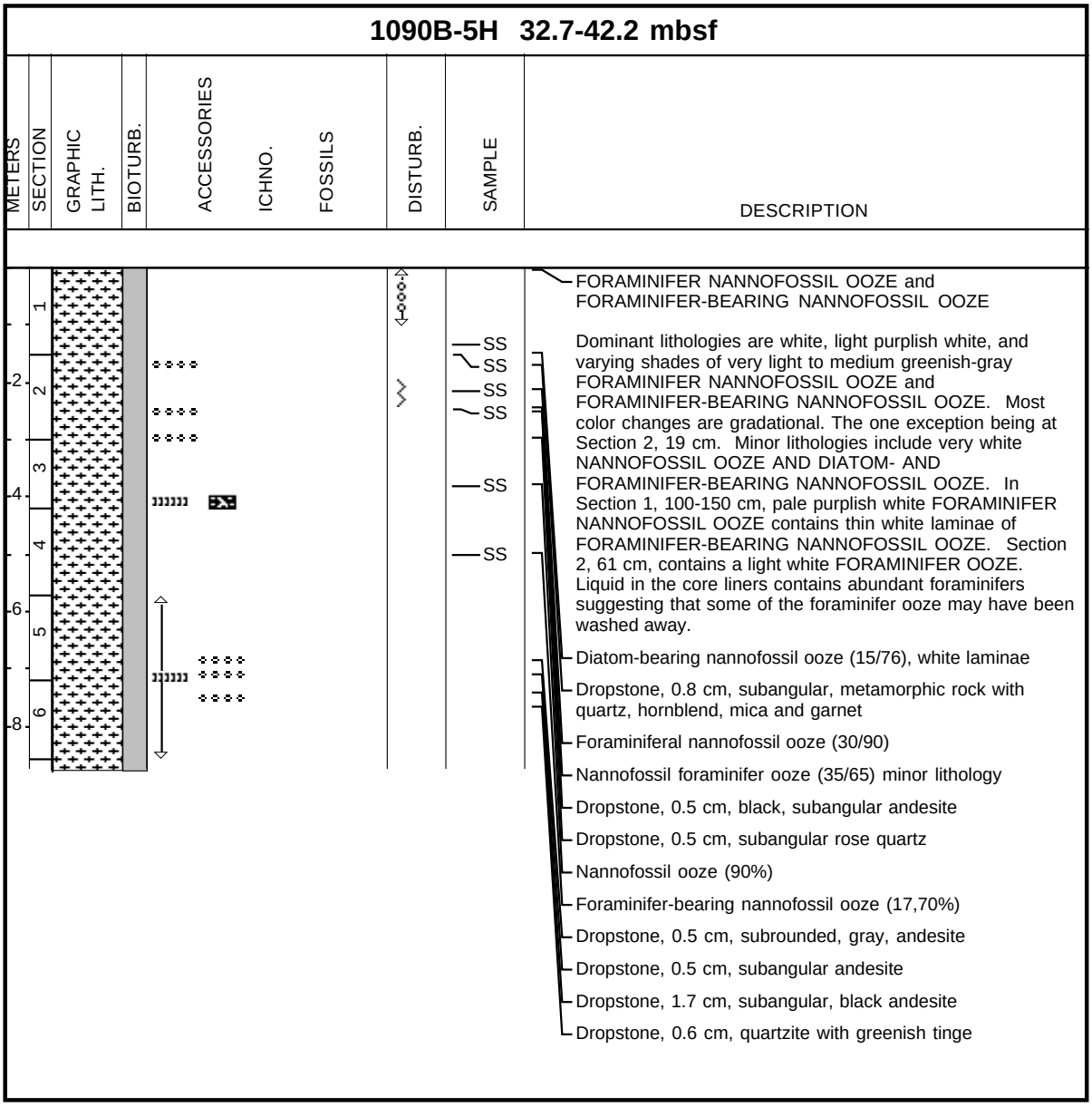
Core Photo


1090B-3H 13.7-23.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
DESCRIPTION
pal gy WH
pal ol GN
pal gy WH
pal ye GN
pal gy GN
pal gn WH
pal gn GY
mlt ol GN
SS
DIATOM-BEARING NANNOFOSSIL OOZE
White to green DIATOM-BEARING NANNOFOSSIL OOZE with Planolites ichnofossil in Section 5 (113 cm)
Pale bluish-green harder layer
Diatom-bearing nannofossil ooze (~15/76%) with foraminifers (~9%)

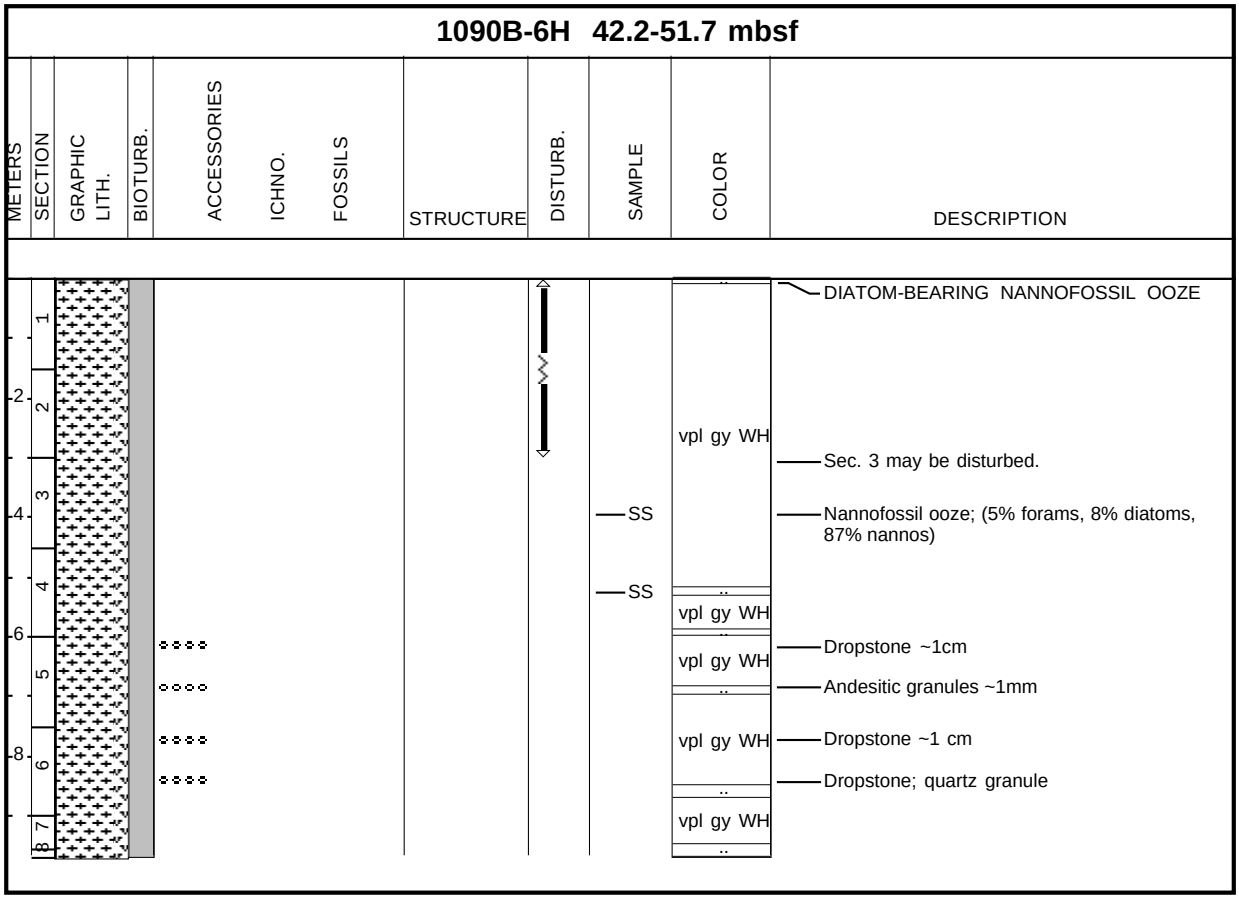
Core Photo


1090B-4H 23.2-32.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
DESCRIPTION
lt GN
WH
pal gy WH
pal gn GY
ol GN
pal gy WH
WH
gy WH
WH
pal GY
pal gy WH
ol GN
SS
SS
MUD-BEARING DIATOM CALCAREOUS OOZE AND FORAM-BEARING NANNOFOSSIL OOZE
Alternating white, pale gray, gray-green, and olive layering with distinct purple horizons in Sections 1 (130 cm) and 6 (40cm). Several intervals (Sections 1, 0-100 cm and 4, 47-150 cm) are soupy and heavily disturbed. A dropstone is present in Section 2 (50 cm)
Dropstone, black, subangular, 1.7 cm long, basalt or diabase
Mud-bearing diatom calcareous ooze (~10/25/65%)
Foraminifer-bearing nannofossil ooze (~17/70%) with mud (~5%) and diatoms (~5%)

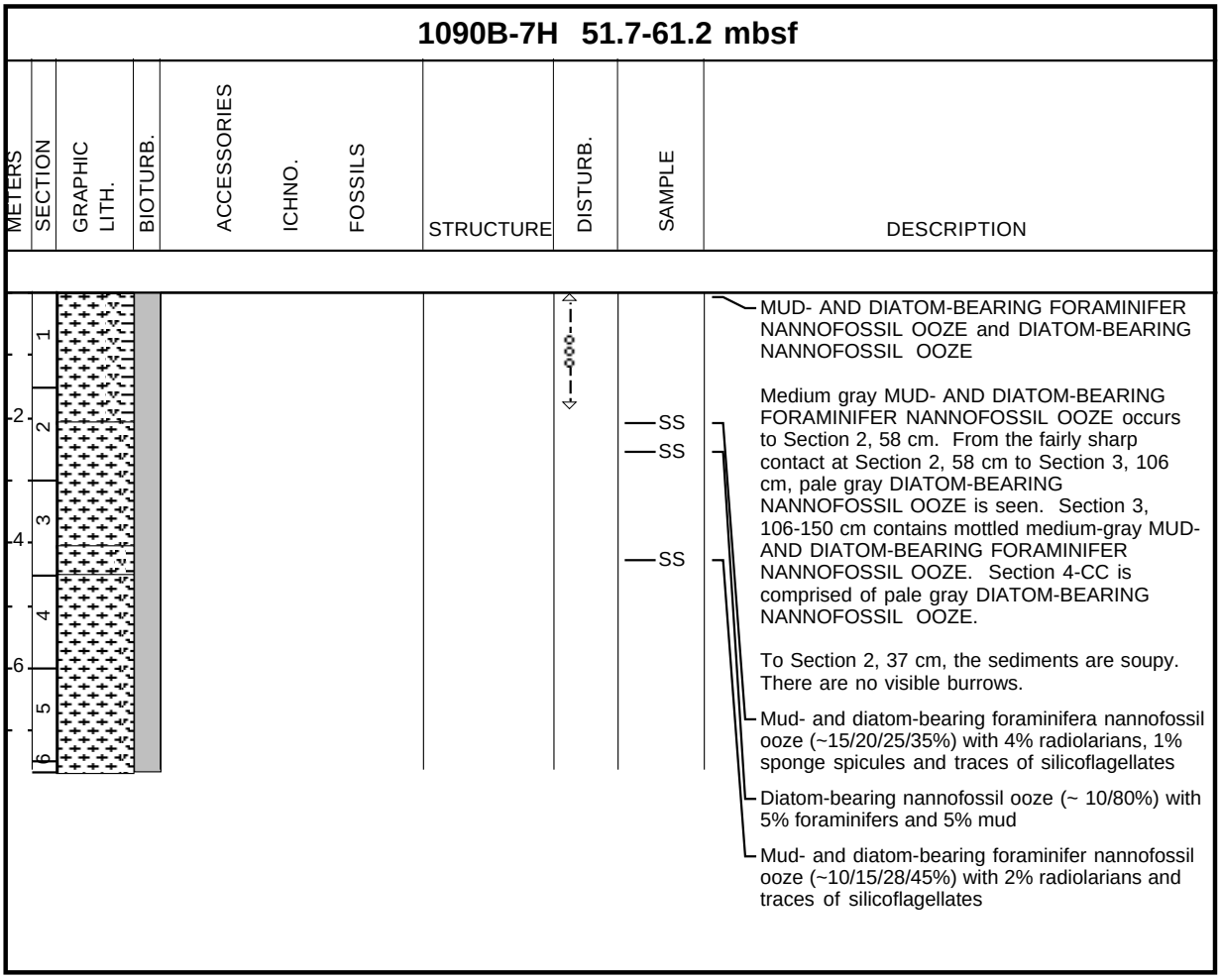
Core Photo


1090B-5H 32.7-42.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
SS
FORAMINIFER NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE
Dominant lithologies are white, light purplish white, and varying shades of very light to medium greenish-gray FORAMINIFER NANNOFOSSIL OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE. Most color changes are gradational. The one exception being at Section 2, 19 cm. Minor lithologies include very white NANNOFOSSIL OOZE AND DIATOM- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE. In Section 1, 100-150 cm, pale purplish white FORAMINIFER NANNOFOSSIL OOZE contains thin white laminae of FORAMINIFER-BEARING NANNOFOSSIL OOZE. Section 2, 61 cm, contains a light white FORAMINIFER OOZE. Liquid in the core liners contains abundant foraminifers suggesting that some of the foraminifer ooze may have been washed away.
Diatom-bearing nannofossil ooze (15/76), white laminae
Dropstone, 0.8 cm, subangular, metamorphic rock with quartz, hornblend, mica and garnet
Foraminiferal nannofossil ooze (30/90)
Nannofossil foraminifer ooze (35/65) minor lithology
Dropstone, 0.5 cm, black, subangular andesite
Dropstone, 0.5 cm, subangular rose quartz
Nannofossil ooze (90%)
Foraminifer-bearing nannofossil ooze (17,70%)
Dropstone, 0.5 cm, subrounded, gray, andesite
Dropstone, 0.5 cm, subangular andesite
Dropstone, 1.7 cm, subangular, black andesite
Dropstone, 0.6 cm, quartzite with greenish tinge

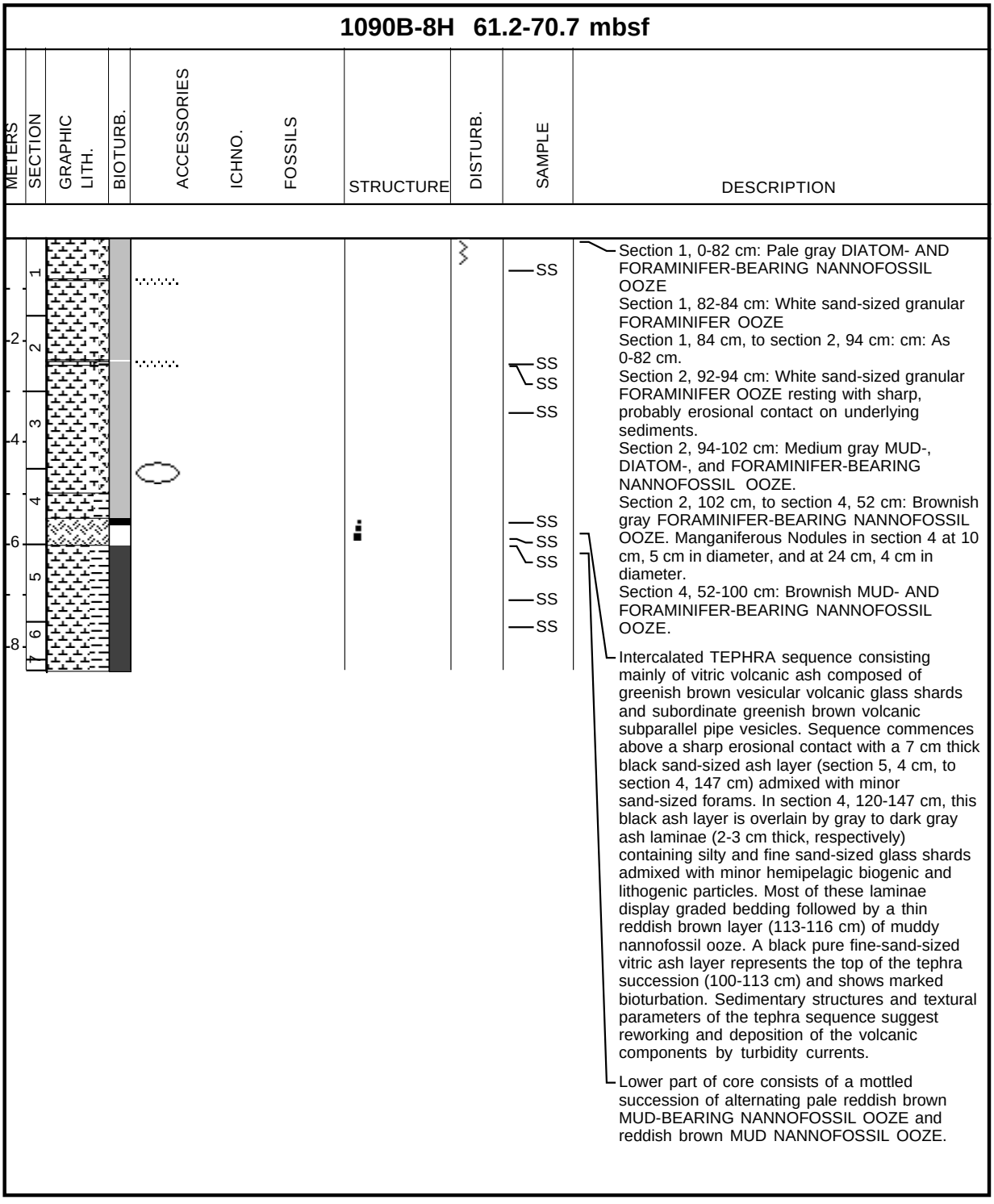
Core Photo


1090B-6H 42.2-51.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
COLOR
DESCRIPTION
DIATOM-BEARING NANNOFOSSIL OOZE
vpl gy WH
Sec. 3 may be disturbed.
SS
Nannofossil ooze; (5% forams, 8% diatoms, 87% nannos)
SS
vpl gy WH
Dropstone ~1cm
vpl gy WH
Andesitic granules ~1mm
vpl gy WH
Dropstone ~1 cm
Dropstone; quartz granule
vpl gy WH

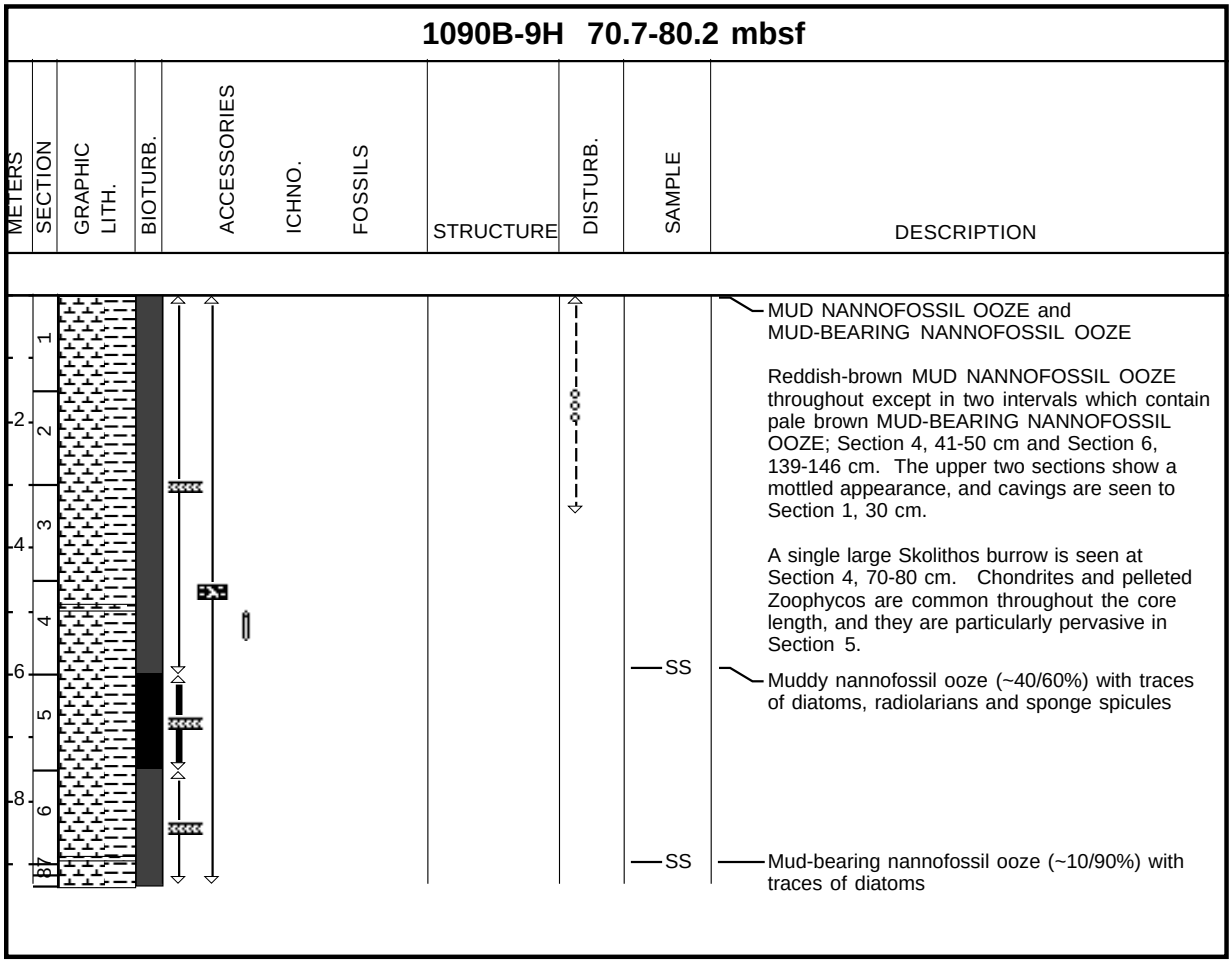
Core Photo


1090B-7H 51.7-61.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
MUD- AND DIATOM-BEARING FORAMINIFER NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL OOZE
Medium gray MUD- AND DIATOM-BEARING FORAMINIFER NANNOFOSSIL OOZE occurs to Section 2, 58 cm. From the fairly sharp contact at Section 2, 58 cm to Section 3, 106 cm, pale gray DIATOM-BEARING NANNOFOSSIL OOZE is seen. Section 3, 106-150 cm contains mottled medium-gray MUD- AND DIATOM-BEARING FORAMINIFER NANNOFOSSIL OOZE. Section 4-CC is comprised of pale gray DIATOM-BEARING NANNOFOSSIL OOZE.
To Section 2, 37 cm, the sediments are soupy. There are no visible burrows.
Mud- and diatom-bearing foraminifera nannofossil ooze (~15/20/25/35%) with 4% radiolarians, 1% sponge spicules and traces of silicoflagellates
Diatom-bearing nannofossil ooze (~ 10/80%) with 5% foraminifers and 5% mud
Mud- and diatom-bearing foraminifer nannofossil ooze (~10/15/28/45%) with 2% radiolarians and traces of silicoflagellates

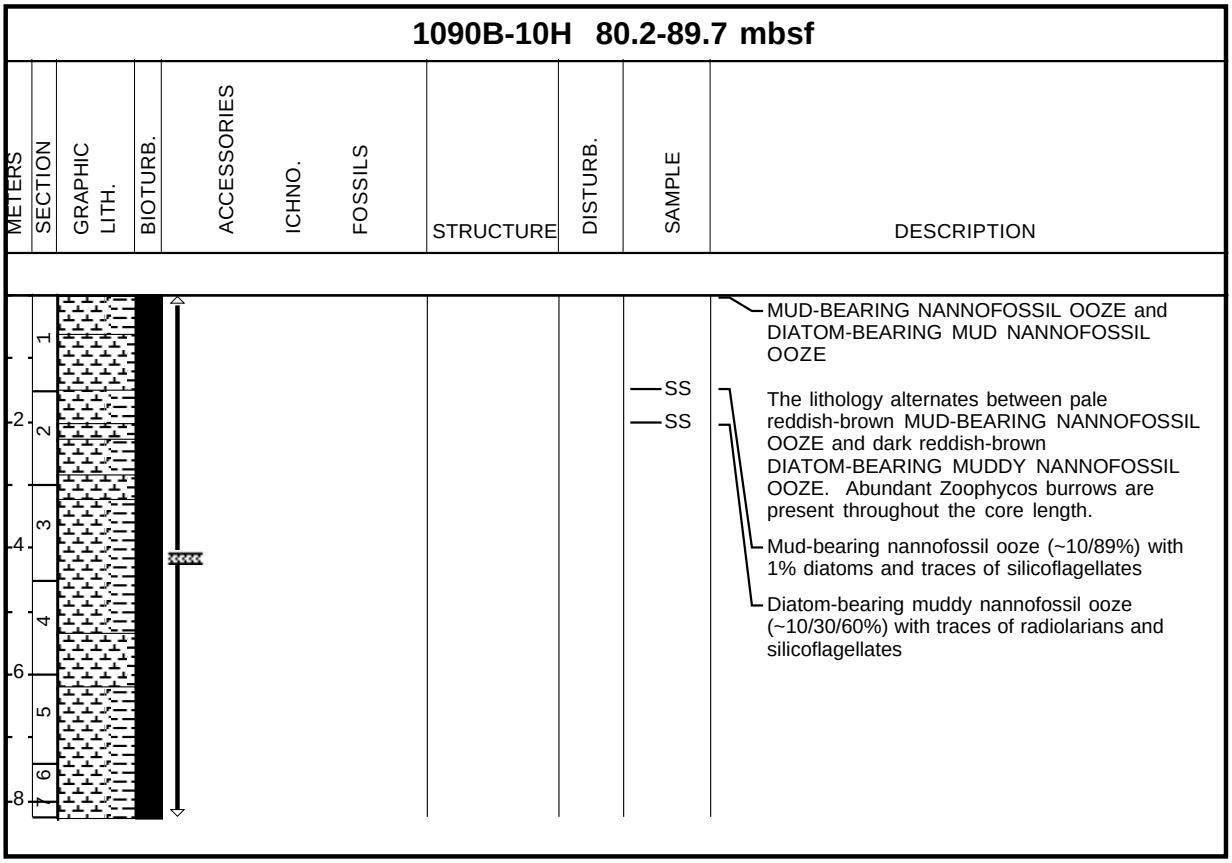
Core Photo


1090B-8H 61.2-70.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
Section 1, 0-82 cm: Pale gray DIATOM- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE
Section 1, 82-84 cm: White sand-sized granular FORAMINIFER OOZE
Section 1, 84 cm, to section 2, 94 cm: cm: As 0-82 cm.
Section 2, 92-94 cm: White sand-sized granular FORAMINIFER OOZE resting with sharp, probably erosional contact on underlying sediments.
Section 2, 94-102 cm: Medium gray MUD-, DIATOM-, and FORAMINIFER-BEARING NANNOFOSSIL OOZE.
Section 2, 102 cm, to section 4, 52 cm: Brownish gray FORAMINIFER-BEARING NANNOFOSSIL OOZE. Manganiferous Nodules in section 4 at 10 cm, 5 cm in diameter, and at 24 cm, 4 cm in diameter.
Section 4, 52-100 cm: Brownish MUD- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE.
Intercalated TEPHRA sequence consisting mainly of vitric volcanic ash composed of greenish brown vesicular volcanic glass shards and subordinate greenish brown volcanic subparallel pipe vesicles. Sequence commences above a sharp erosional contact with a 7 cm thick black sand-sized ash layer (section 5, 4 cm, to section 4, 147 cm) admixed with minor sand-sized forams. In section 4, 120-147 cm, this black ash layer is overlain by gray to dark gray ash laminae (2-3 cm thick, respectively) containing silty and fine sand-sized glass shards admixed with minor hemipelagic biogenic and lithogenic particles. Most of these laminae display graded bedding followed by a thin reddish brown layer (113-116 cm) of muddy nannofossil ooze. A black pure fine-sand-sized vitric ash layer represents the top of the tephra succession (100-113 cm) and shows marked bioturbation. Sedimentary structures and textural parameters of the tephra sequence suggest reworking and deposition of the volcanic components by turbidity currents.
Lower part of core consists of a mottled succession of alternating pale reddish brown MUD-BEARING NANNOFOSSIL OOZE and reddish brown MUD NANNOFOSSIL OOZE.

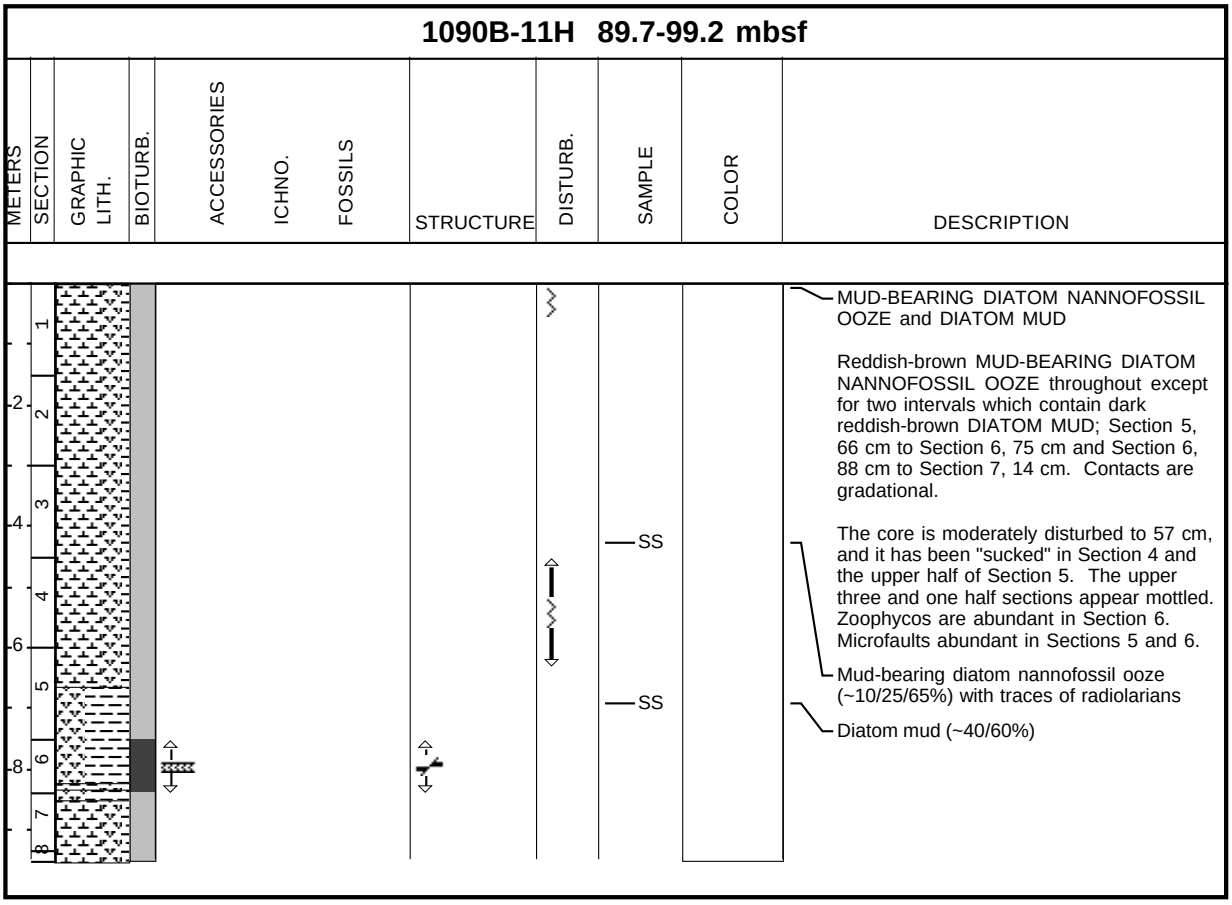
Core Photo


1090B-9H 70.7-80.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD NANNOFOSSIL OOZE and MUD-BEARING NANNOFOSSIL OOZE
Reddish-brown MUD NANNOFOSSIL OOZE throughout except in two intervals which contain pale brown MUD-BEARING NANNOFOSSIL OOZE; Section 4, 41-50 cm and Section 6, 139-146 cm. The upper two sections show a mottled appearance, and cavings are seen to Section 1, 30 cm.
A single large Skolithos burrow is seen at Section 4, 70-80 cm. Chondrites and pelleted Zoophycos are common throughout the core length, and they are particularly pervasive in Section 5.
SS
Muddy nannofossil ooze (~40/60%) with traces of diatoms, radiolarians and sponge spicules
SS
Mud-bearing nannofossil ooze (~10/90%) with traces of diatoms

Core Photo


1090B-10H 80.2-89.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
MUD-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING MUD NANNOFOSSIL OOZE
The lithology alternates between pale reddish-brown MUD-BEARING NANNOFOSSIL OOZE and dark reddish-brown DIATOM-BEARING MUDDY NANNOFOSSIL OOZE. Abundant Zoophycos burrows are present throughout the core length.
Mud-bearing nannofossil ooze (~10/89%) with 1% diatoms and traces of silicoflagellates
Diatom-bearing muddy nannofossil ooze (~10/30/60%) with traces of radiolarians and silicoflagellates

Core Photo


1090B-11H 89.7-99.2 mbsf
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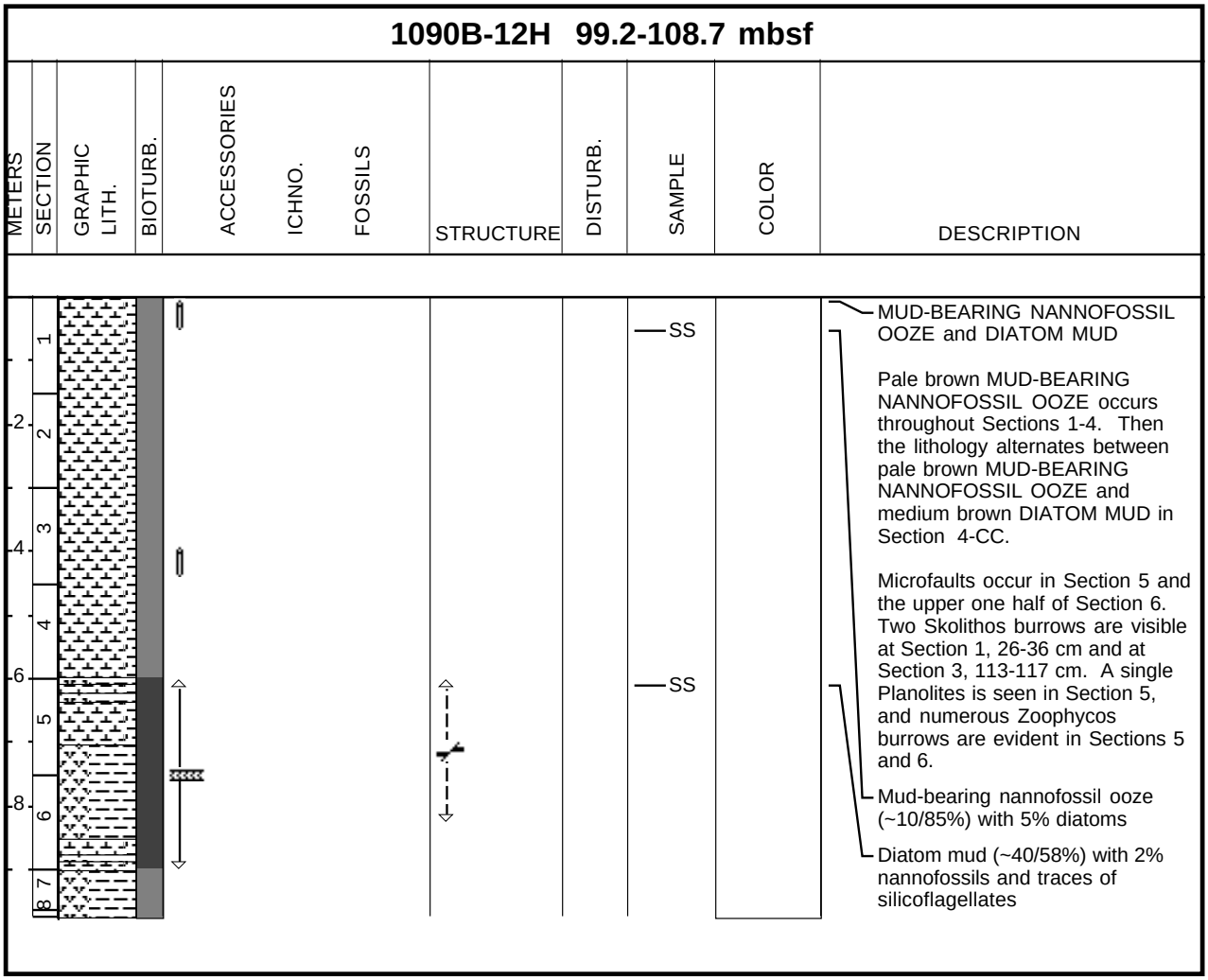
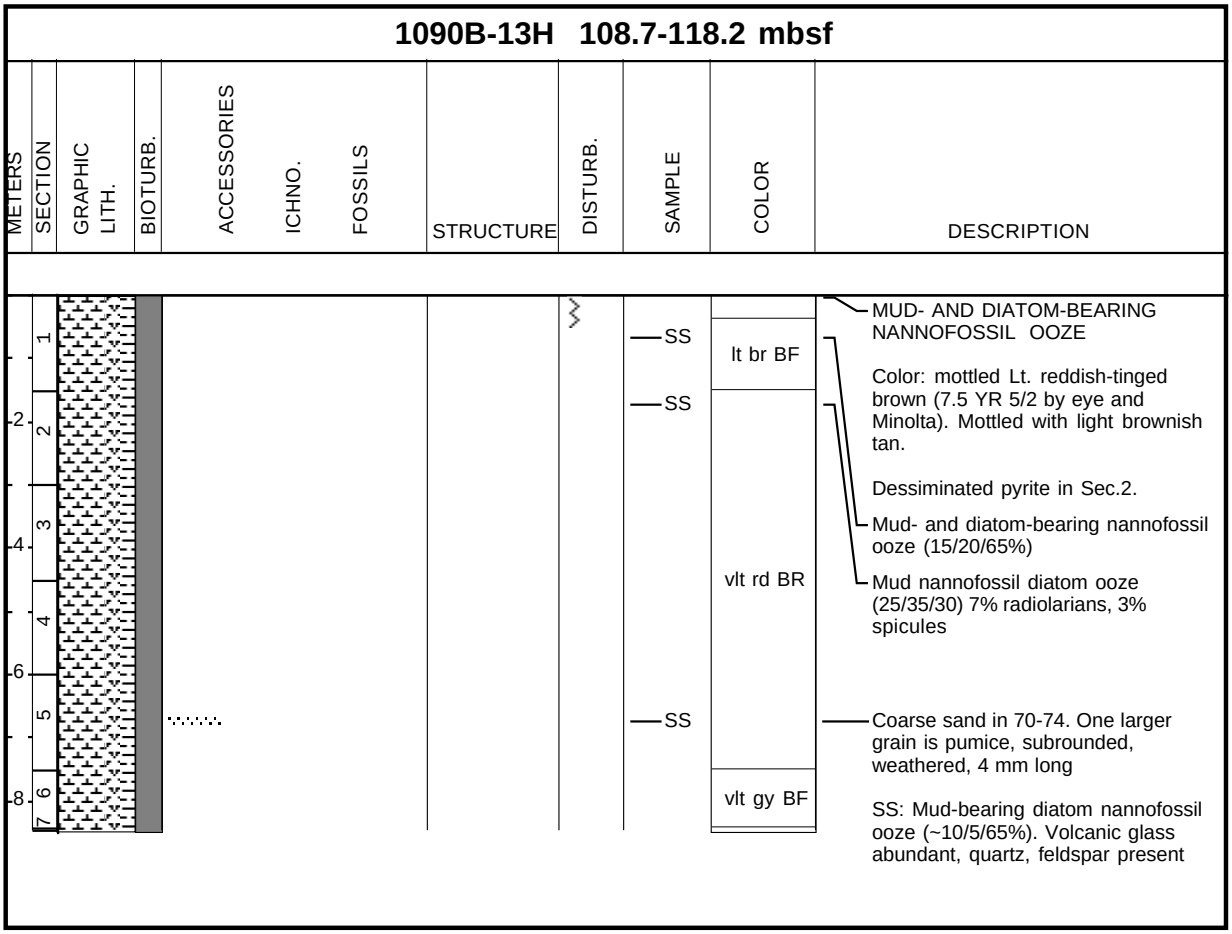
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
COLOR
DESCRIPTION
SS
SS
MUD-BEARING DIATOM NANNOFOSSIL OOZE and DIATOM MUD
Reddish-brown MUD-BEARING DIATOM NANNOFOSSIL OOZE throughout except for two intervals which contain dark reddish-brown DIATOM MUD; Section 5, 66 cm to Section 6, 75 cm and Section 6, 88 cm to Section 7, 14 cm. Contacts are gradational.
The core is moderately disturbed to 57 cm, and it has been "sucked" in Section 4 and the upper half of Section 5. The upper three and one half sections appear mottled. Zoophycos are abundant in Section 6. Microfaults abundant in Sections 5 and 6.
Mud-bearing diatom nannofossil ooze (~10/25/65%) with traces of radiolarians
Diatom mud (~40/60%)

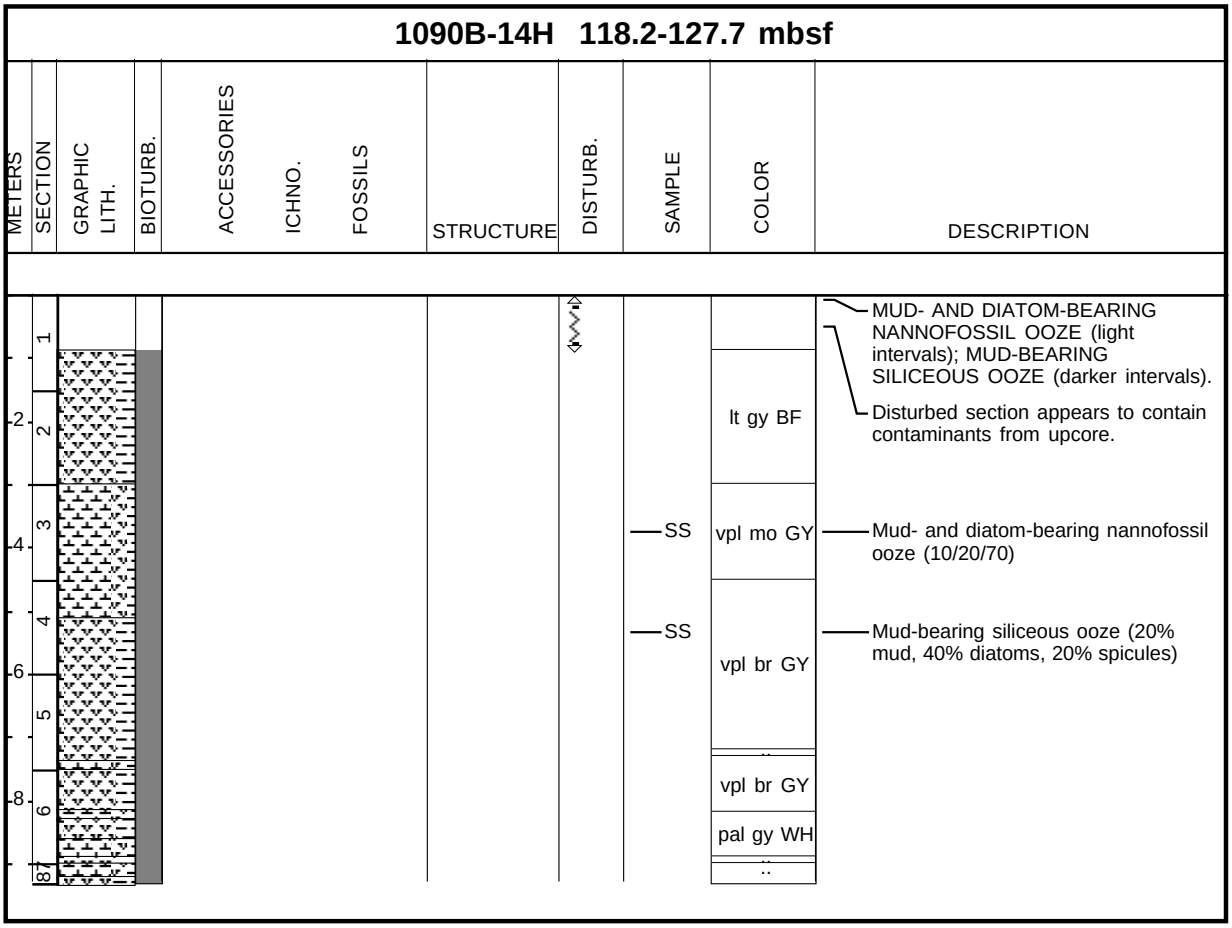
Core Photo


1090B-12H 99.2-108.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
COLOR
DESCRIPTION
SS
SS
MUD-BEARING NANNOFOSSIL OOZE and DIATOM MUD
Pale brown MUD-BEARING NANNOFOSSIL OOZE occurs throughout Sections 1-4. Then the lithology alternates between pale brown MUD-BEARING NANNOFOSSIL OOZE and medium brown DIATOM MUD in Section 4-CC.
Microfaults occur in Section 5 and the upper one half of Section 6. Two Skolithos burrows are visible at Section 1, 26-36 cm and at Section 3, 113-117 cm. A single Planolites is seen in Section 5, and numerous Zoophycos burrows are evident in Sections 5 and 6.
Mud-bearing nannofossil ooze (~10/85%) with 5% diatoms
Diatom mud (~40/58%) with 2% nannofossils and traces of silicoflagellates

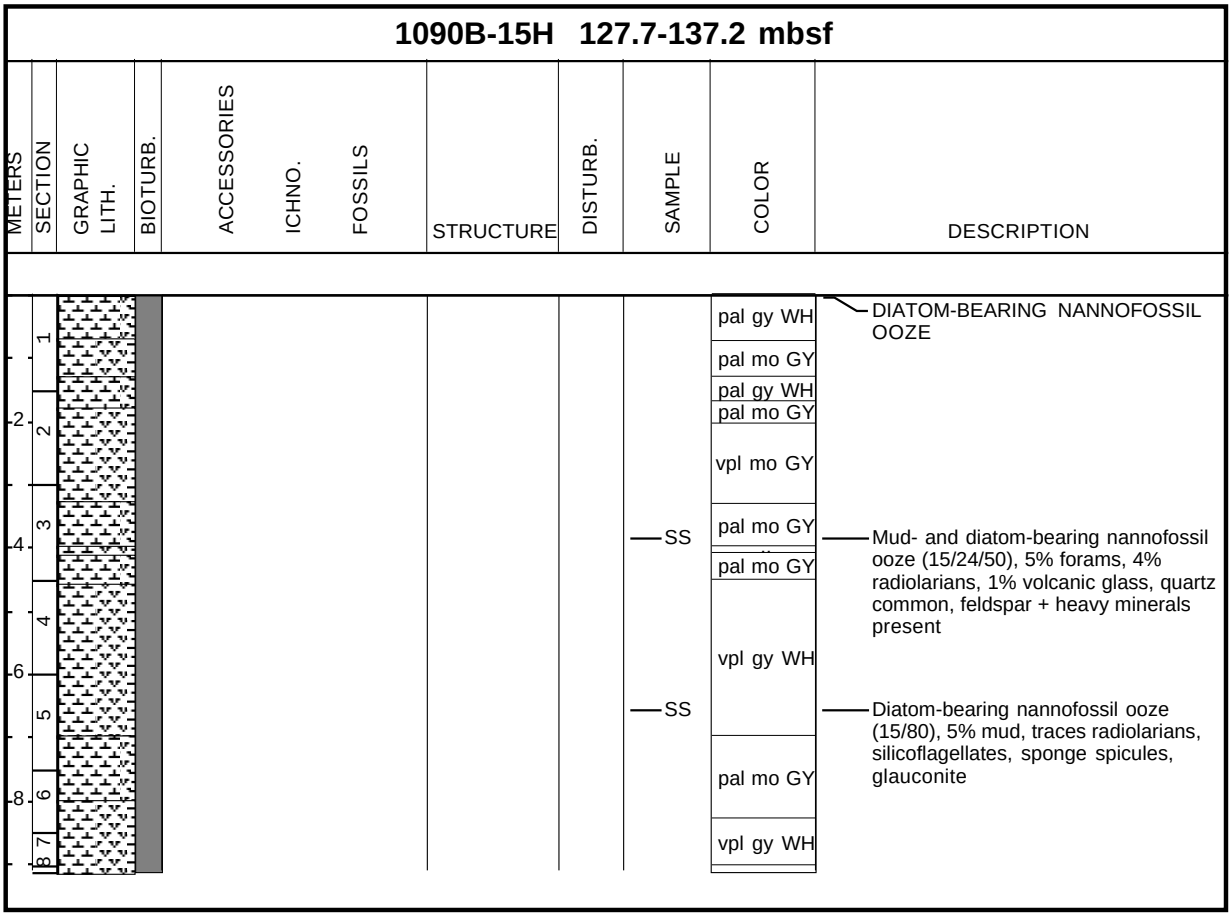
Core Photo


1090B-13H 108.7-118.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
COLOR
DESCRIPTION
SS
SS
SS
lt br BF
vlt rd BR
vlt gy BF
MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Color: mottled Lt. reddish-tinged brown (7.5 YR 5/2 by eye and Minolta). Mottled with light brownish tan.
Dessiminated pyrite in Sec.2.
Mud- and diatom-bearing nannofossil ooze (15/20/65%)
Mud nannofossil diatom ooze (25/35/30) 7% radiolarians, 3% spicules
Coarse sand in 70-74. One larger grain is pumice, subrounded, weathered, 4 mm long
SS: Mud-bearing diatom nannofossil ooze (~10/5/65%). Volcanic glass abundant, quartz, feldspar present

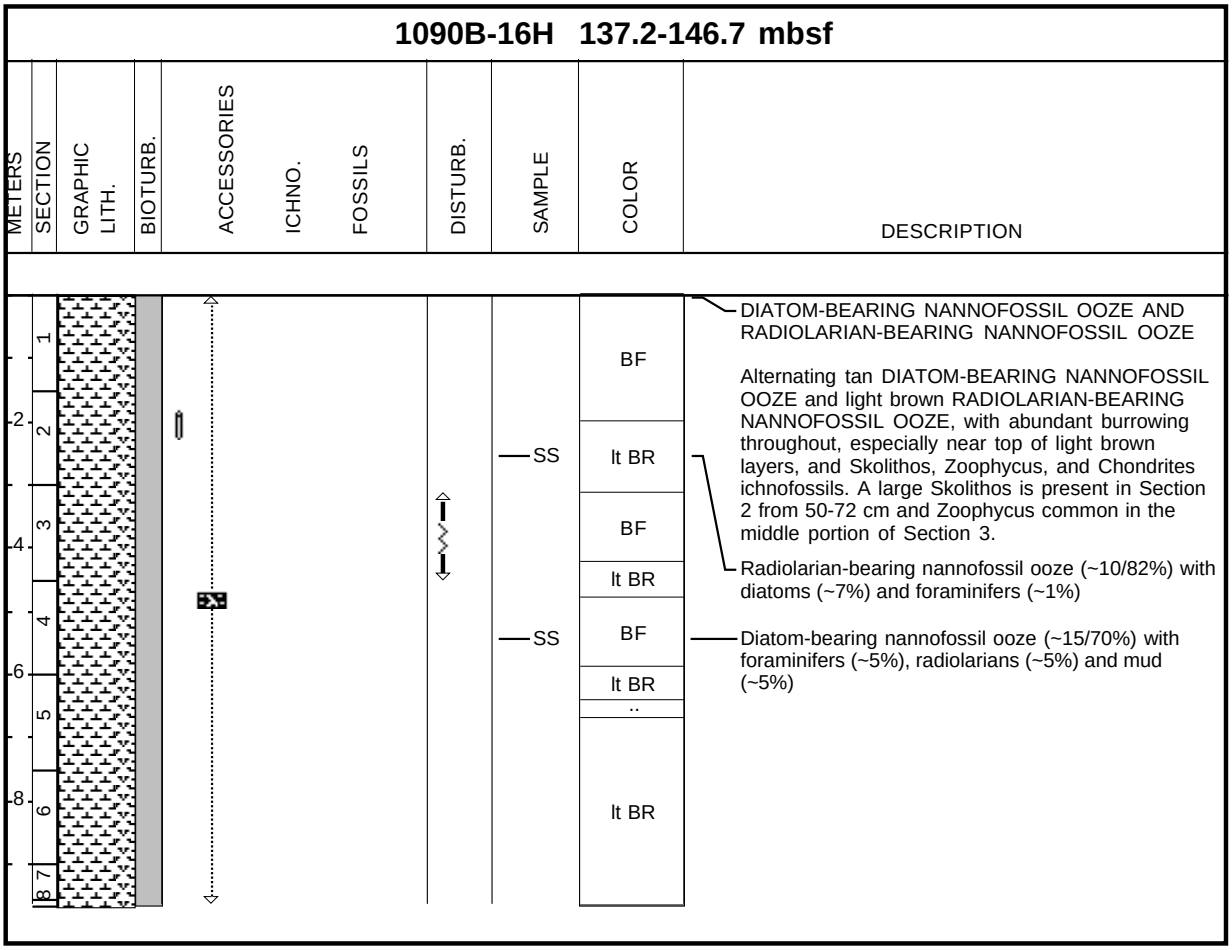
Core Photo


1090B-14H 118.2-127.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1
2
3
4
5
6
7
2
4
6
8
SS
SS
lt gy BF
vpl mo GY
vpl br GY
vpl br GY
pal gy WH
MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE (light intervals); MUD-BEARING SILICEOUS OOZE (darker intervals).
Disturbed section appears to contain contaminants from upcore.
Mud- and diatom-bearing nannofossil ooze (10/20/70)
Mud-bearing siliceous ooze (20% mud, 40% diatoms, 20% spicules)

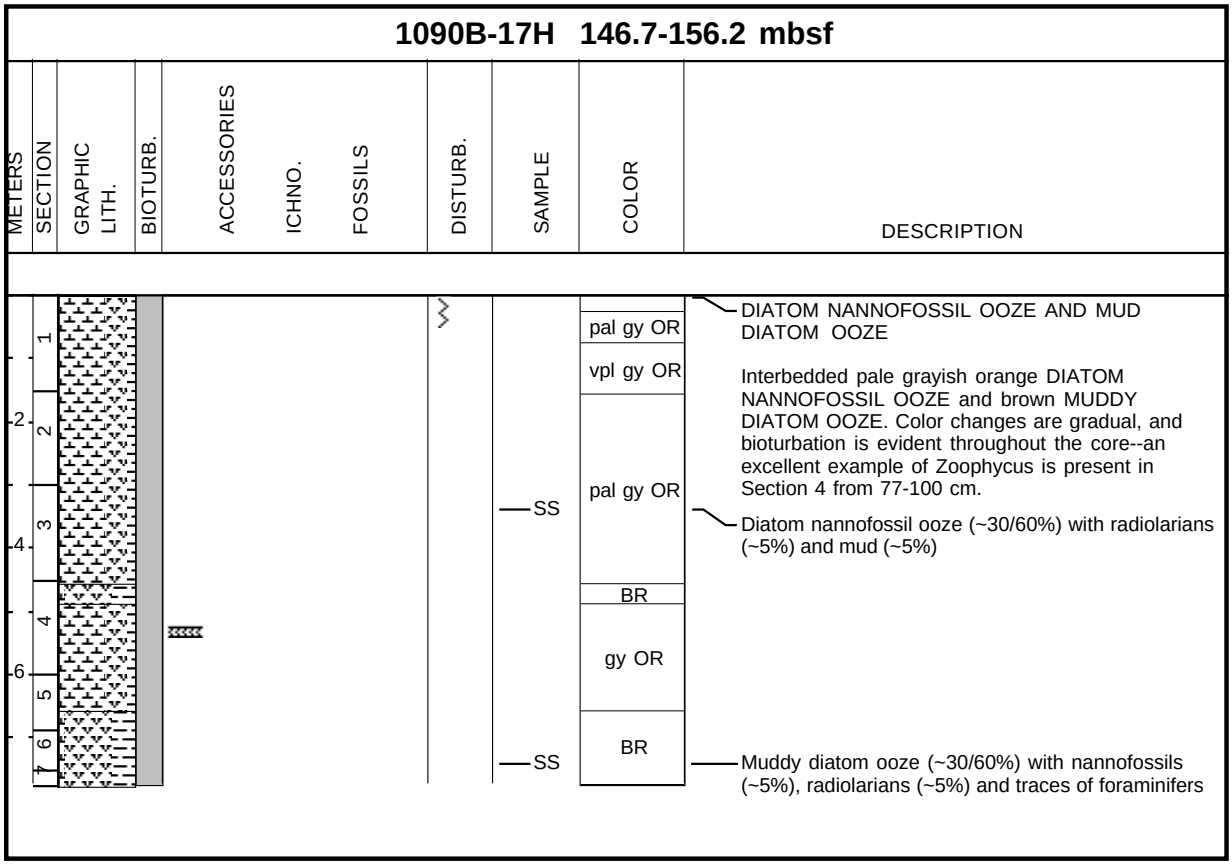
Core Photo


1090B-15H 127.7-137.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
COLOR
DESCRIPTION
pal gy WH
DIATOM-BEARING NANNOFOSSIL OOZE
pal mo GY
pal gy WH
pal mo GY
vpl mo GY
pal mo GY
SS
Mud- and diatom-bearing nannofossil ooze (15/24/50), 5% forams, 4% radiolarians, 1% volcanic glass, quartz common, feldspar + heavy minerals present
pal mo GY
vpl gy WH
SS
Diatom-bearing nannofossil ooze (15/80), 5% mud, traces radiolarians, silicoflagellates, sponge spicules, glauconite
pal mo GY
vpl gy WH

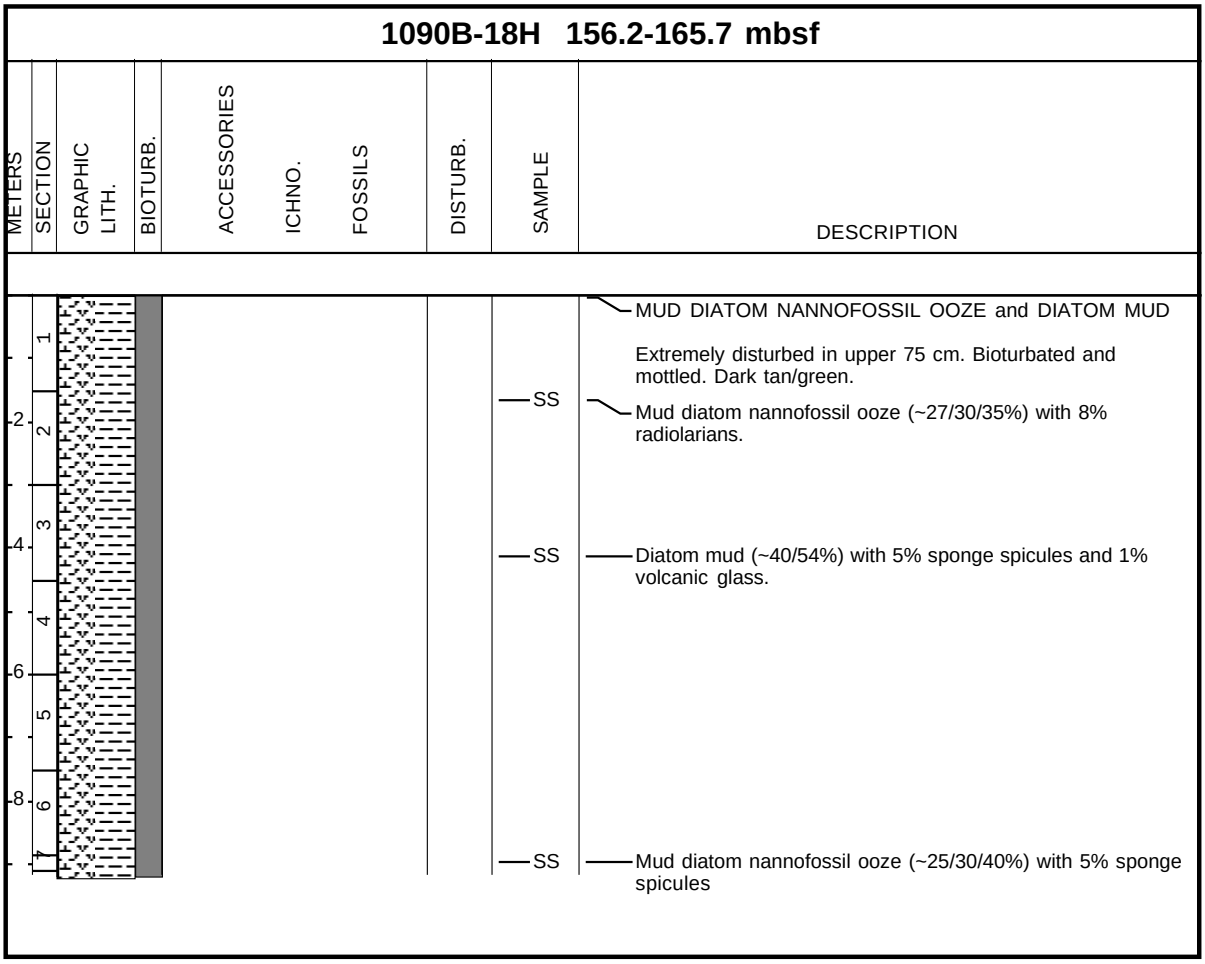
Core Photo


1090B-16H 137.2-146.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
DESCRIPTION
SS
SS
BF
lt BR
BF
lt BR
BF
lt BR
lt BR
DIATOM-BEARING NANNOFOSSIL OOZE AND RADIOLARIAN-BEARING NANNOFOSSIL OOZE
Alternating tan DIATOM-BEARING NANNOFOSSIL OOZE and light brown RADIOLARIAN-BEARING NANNOFOSSIL OOZE, with abundant burrowing throughout, especially near top of light brown layers, and Skolithos, Zoophycus, and Chondrites ichnofossils. A large Skolithos is present in Section 2 from 50-72 cm and Zoophycus common in the middle portion of Section 3.
Radiolarian-bearing nannofossil ooze (~10/82%) with diatoms (~7%) and foraminifers (~1%)
Diatom-bearing nannofossil ooze (~15/70%) with foraminifers (~5%), radiolarians (~5%) and mud (~5%)

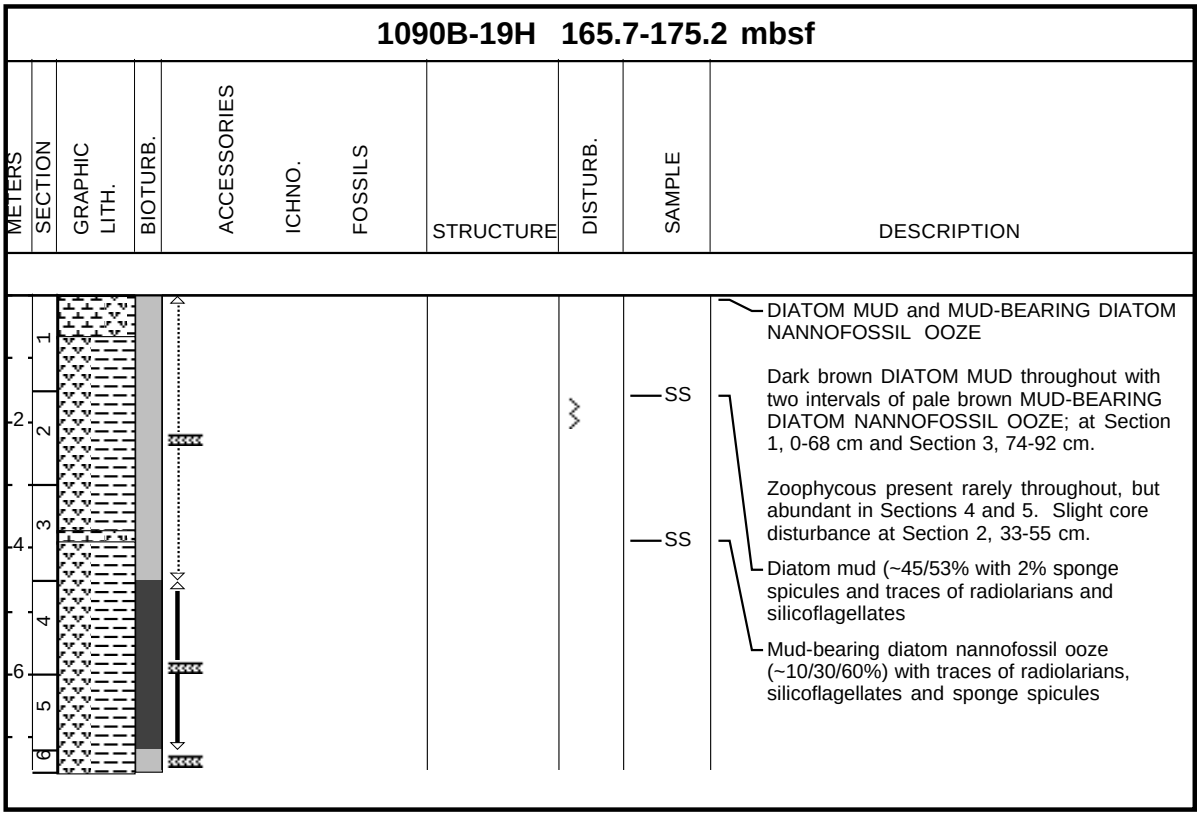
Core Photo


1090B-17H 146.7-156.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
DESCRIPTION
pal gy OR
vpl gy OR
pal gy OR
BR
gy OR
BR
SS
SS
DIATOM NANNOFOSSIL OOZE AND MUD
DIATOM OOZE
Interbedded pale grayish orange DIATOM NANNOFOSSIL OOZE and brown MUDDY DIATOM OOZE. Color changes are gradual, and bioturbation is evident throughout the core--an excellent example of Zoophycus is present in Section 4 from 77-100 cm.
Diatom nannofossil ooze (~30/60%) with radiolarians (~5%) and mud (~5%)
Muddy diatom ooze (~30/60%) with nannofossils (~5%), radiolarians (~5%) and traces of foraminifers

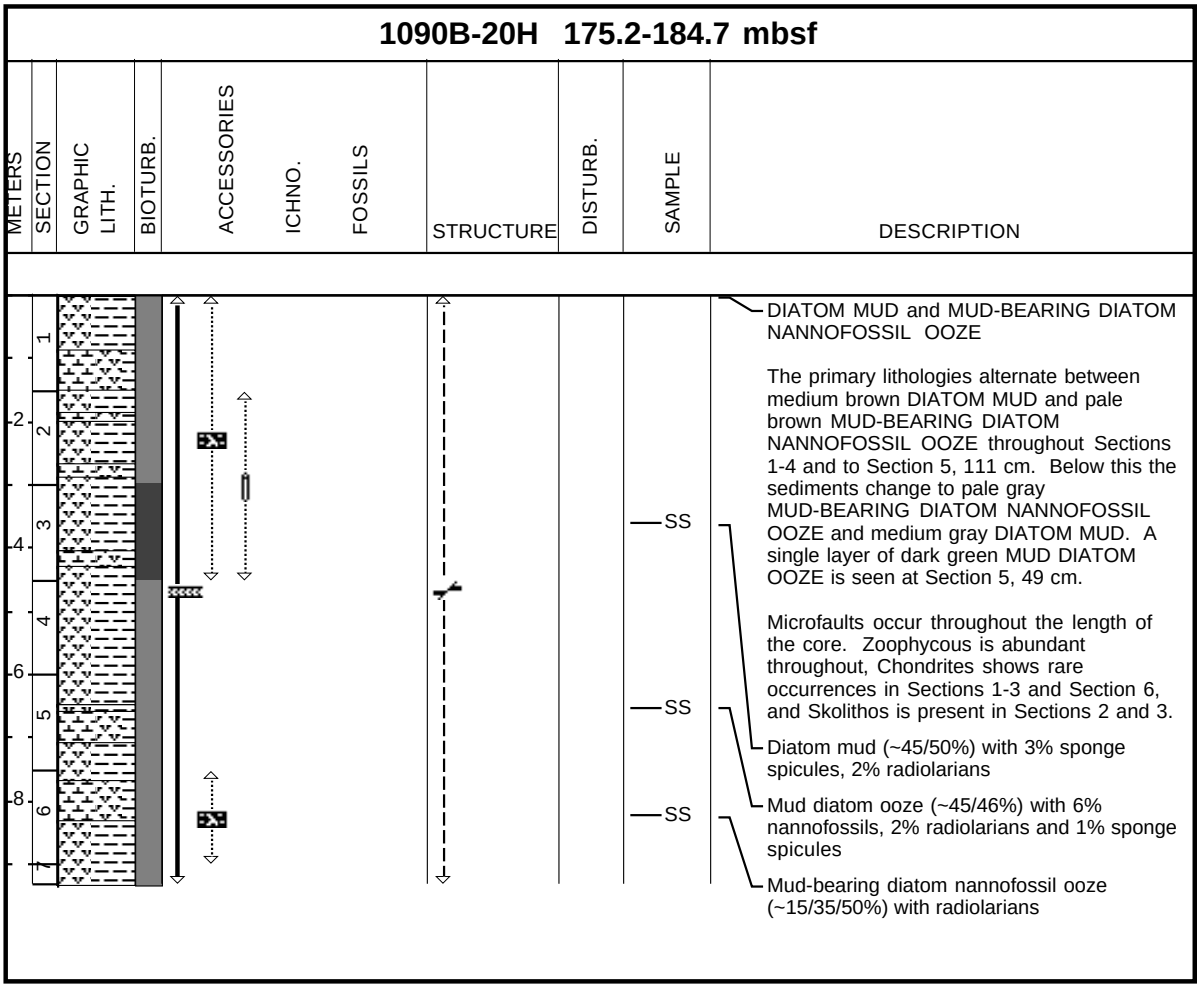
Core Photo


1090B-18H 156.2-165.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD DIATOM NANNOFOSSIL OOZE and DIATOM MUD
Extremely disturbed in upper 75 cm. Bioturbated and mottled. Dark tan/green.
SS
Mud diatom nannofossil ooze (~27/30/35%) with 8% radiolarians.
SS
Diatom mud (~40/54%) with 5% sponge spicules and 1% volcanic glass.
SS
Mud diatom nannofossil ooze (~25/30/40%) with 5% sponge spicules

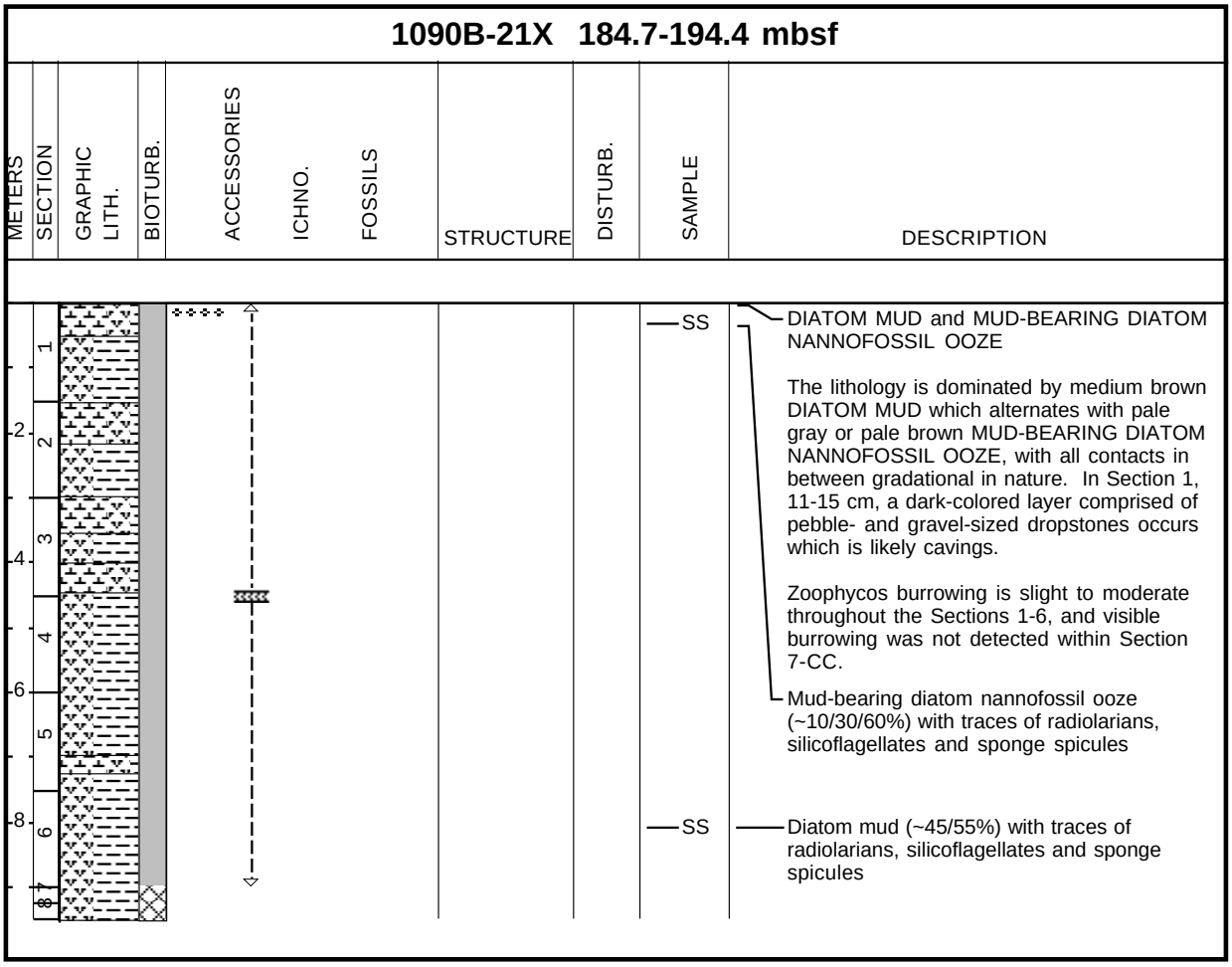
Core Photo


1090B-19H 165.7-175.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM MUD and MUD-BEARING DIATOM NANNOFOSSIL OOZE
Dark brown DIATOM MUD throughout with two intervals of pale brown MUD-BEARING DIATOM NANNOFOSSIL OOZE; at Section 1, 0-68 cm and Section 3, 74-92 cm.
Zoophycous present rarely throughout, but abundant in Sections 4 and 5. Slight core disturbance at Section 2, 33-55 cm.
Diatom mud (~45/53% with 2% sponge spicules and traces of radiolarians and silicoflagellates
Mud-bearing diatom nannofossil ooze (~10/30/60%) with traces of radiolarians, silicoflagellates and sponge spicules

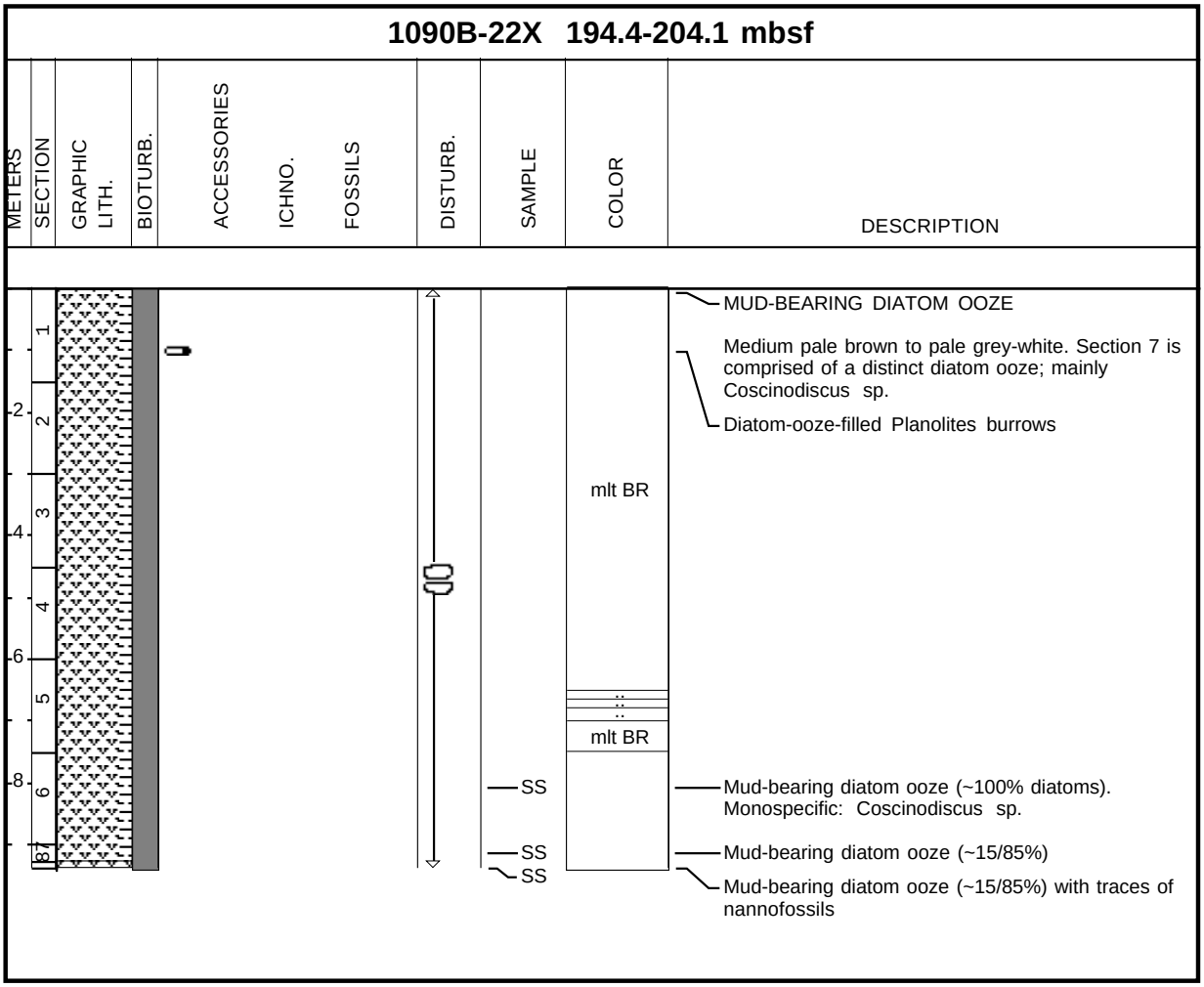
Core Photo


1090B-20H 175.2-184.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM MUD and MUD-BEARING DIATOM NANNOFOSSIL OOZE
The primary lithologies alternate between medium brown DIATOM MUD and pale brown MUD-BEARING DIATOM NANNOFOSSIL OOZE throughout Sections 1-4 and to Section 5, 111 cm. Below this the sediments change to pale gray MUD-BEARING DIATOM NANNOFOSSIL OOZE and medium gray DIATOM MUD. A single layer of dark green MUD DIATOM OOZE is seen at Section 5, 49 cm.
Microfaults occur throughout the length of the core. Zoophycous is abundant throughout, Chondrites shows rare occurrences in Sections 1-3 and Section 6, and Skolithos is present in Sections 2 and 3.
Diatom mud (~45/50%) with 3% sponge spicules, 2% radiolarians
Mud diatom ooze (~45/46%) with 6% nannofossils, 2% radiolarians and 1% sponge spicules
Mud-bearing diatom nannofossil ooze (~15/35/50%) with radiolarians

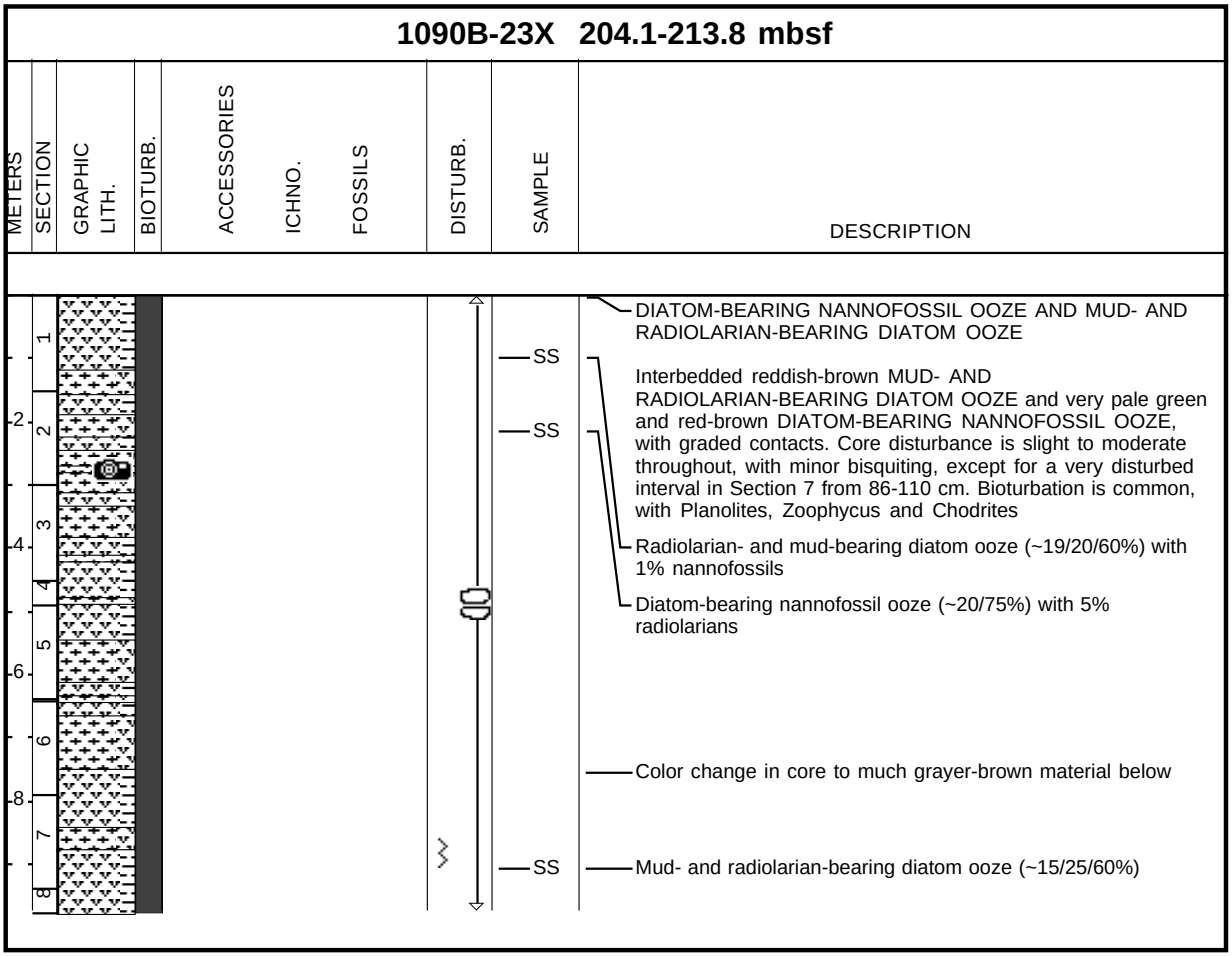
Core Photo


1090B-21X 184.7-194.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM MUD and MUD-BEARING DIATOM NANNOFOSSIL OOZE
The lithology is dominated by medium brown DIATOM MUD which alternates with pale gray or pale brown MUD-BEARING DIATOM NANNOFOSSIL OOZE, with all contacts in between gradational in nature. In Section 1, 11-15 cm, a dark-colored layer comprised of pebble- and gravel-sized dropstones occurs which is likely cavings.
Zoophycos burrowing is slight to moderate throughout the Sections 1-6, and visible burrowing was not detected within Section 7-CC.
Mud-bearing diatom nannofossil ooze (~10/30/60%) with traces of radiolarians, silicoflagellates and sponge spicules
Diatom mud (~45/55%) with traces of radiolarians, silicoflagellates and sponge spicules

Core Photo

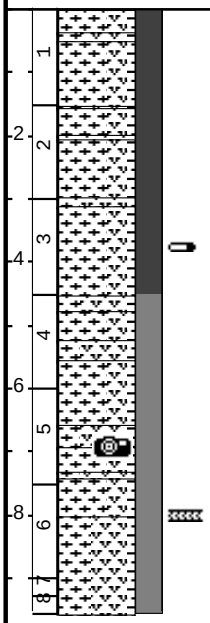

1090B-22X 194.4-204.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
DESCRIPTION
MUD-BEARING DIATOM OOZE
Medium pale brown to pale grey-white. Section 7 is comprised of a distinct diatom ooze; mainly Coscinodiscus sp.
Diatom-ooze-filled Planolites burrows
mlt BR
mlt BR
SS
SS
SS
Mud-bearing diatom ooze (~100% diatoms). Monospecific: Coscinodiscus sp.
Mud-bearing diatom ooze (~15/85%)
Mud-bearing diatom ooze (~15/85%) with traces of nannofossils

Core Photo

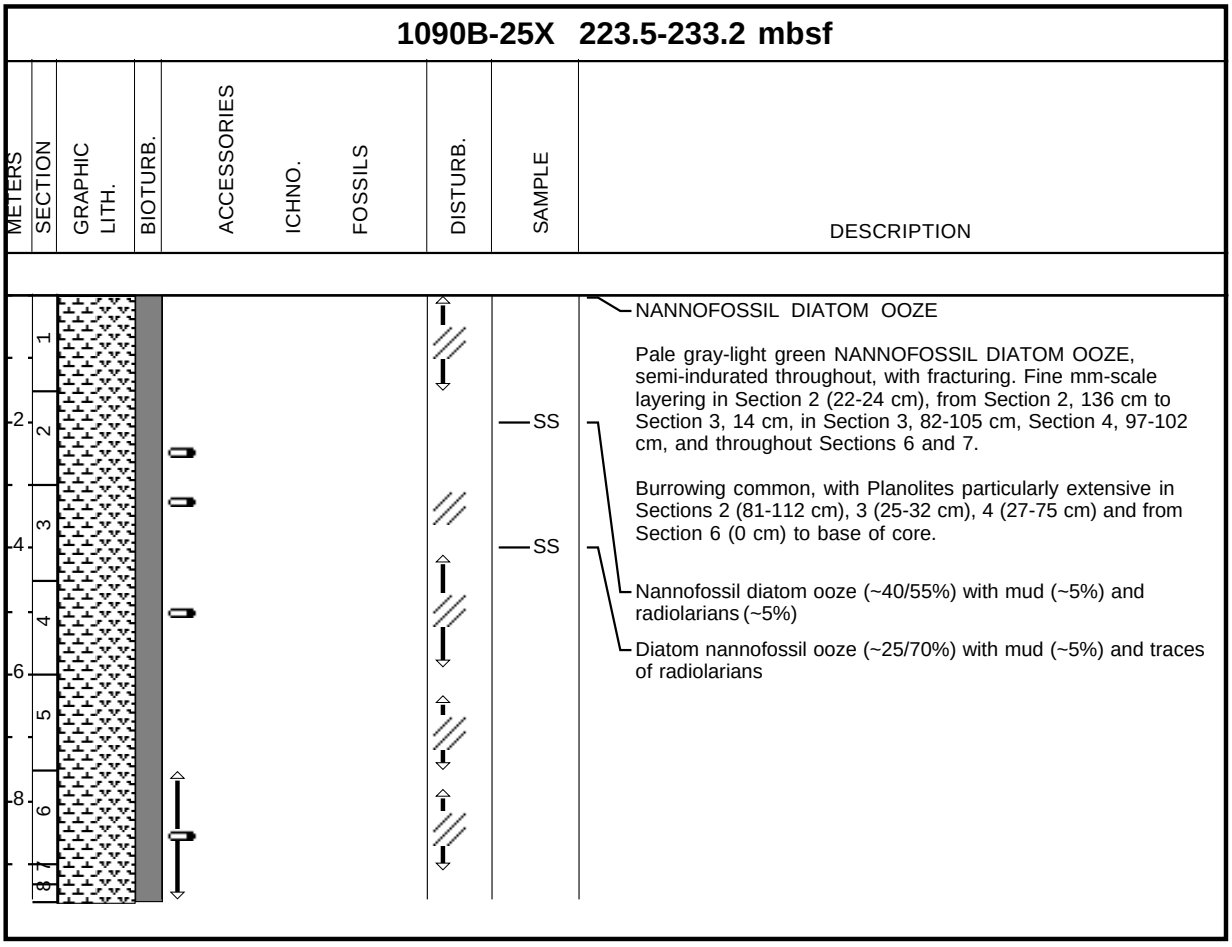

1090B-23X 204.1-213.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM-BEARING NANNOFOSSIL OOZE AND MUD- AND RADIOLARIAN-BEARING DIATOM OOZE
Interbedded reddish-brown MUD- AND RADIOLARIAN-BEARING DIATOM OOZE and very pale green and red-brown DIATOM-BEARING NANNOFOSSIL OOZE, with graded contacts. Core disturbance is slight to moderate throughout, with minor bisquiting, except for a very disturbed interval in Section 7 from 86-110 cm. Bioturbation is common, with Planolites, Zoophycus and Chodrites
Radiolarian- and mud-bearing diatom ooze (~19/20/60%) with 1% nannofossils
Diatom-bearing nannofossil ooze (~20/75%) with 5% radiolarians
Color change in core to much grayer-brown material below
Mud- and radiolarian-bearing diatom ooze (~15/25/60%)

Core Photo

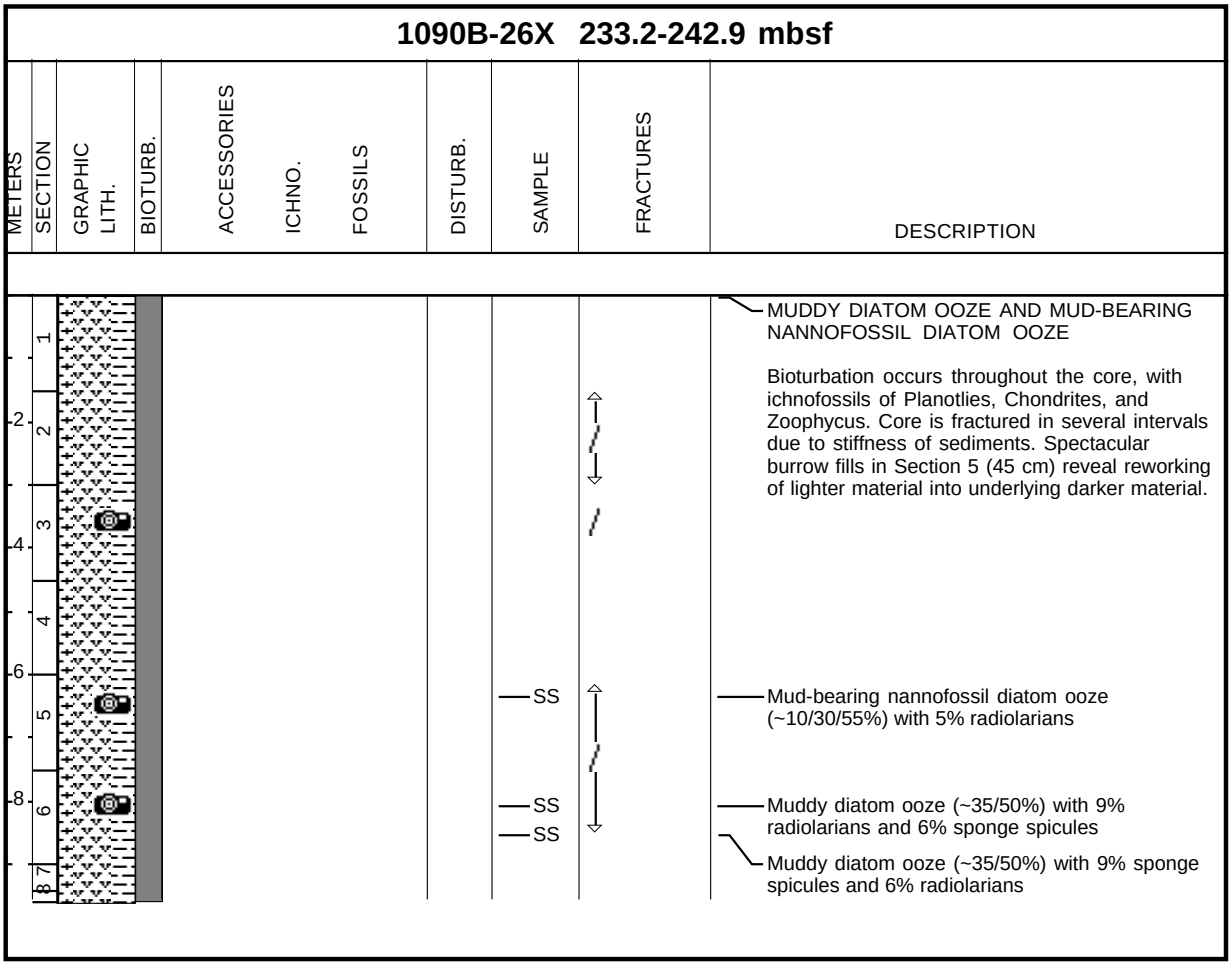
1090B-24X 213.8-223.5 mbsf



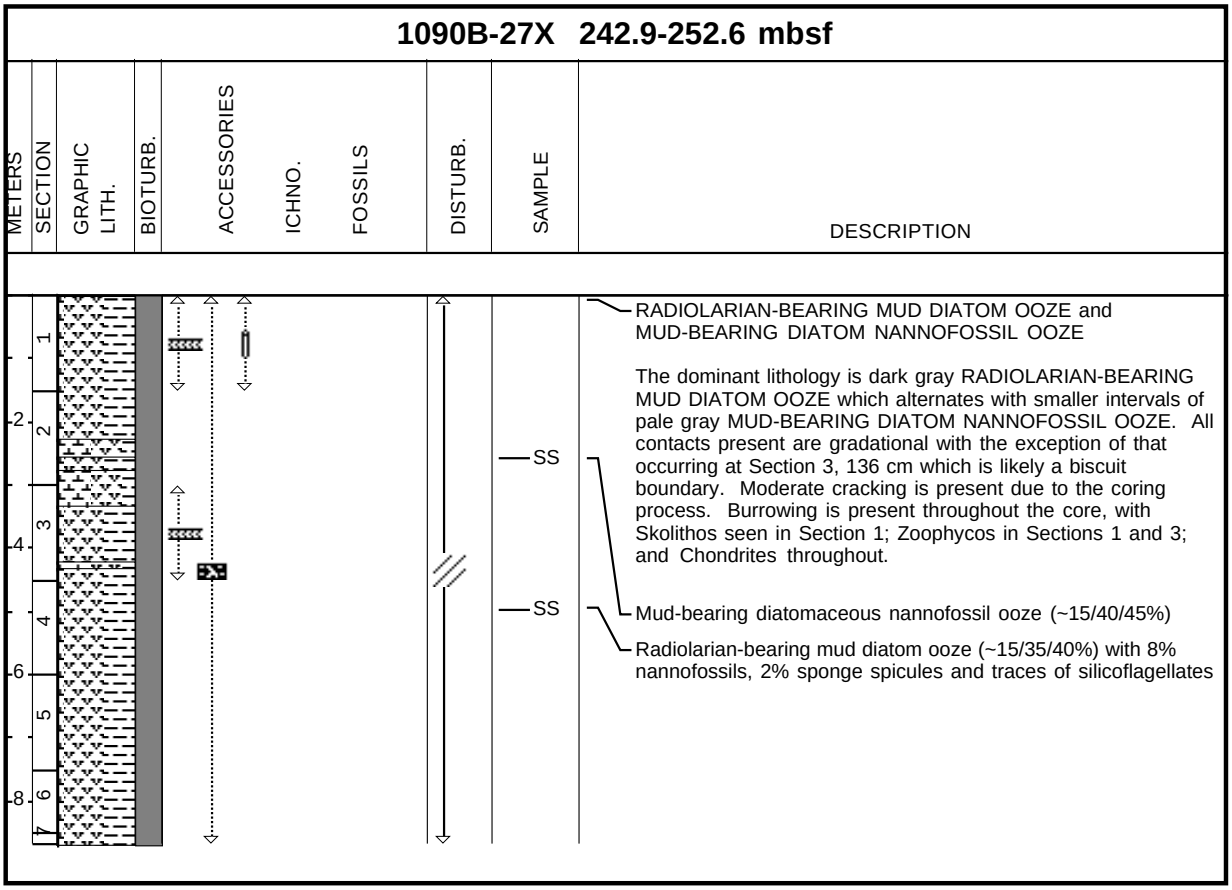
Core Photo


1090B-25X 223.5-233.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
NANNOFOSSIL DIATOM OOZE
Pale gray-light green NANNOFOSSIL DIATOM OOZE, semi-indurated throughout, with fracturing. Fine mm-scale layering in Section 2 (22-24 cm), from Section 2, 136 cm to Section 3, 14 cm, in Section 3, 82-105 cm, Section 4, 97-102 cm, and throughout Sections 6 and 7.
Burrowing common, with Planolites particularly extensive in Sections 2 (81-112 cm), 3 (25-32 cm), 4 (27-75 cm) and from Section 6 (0 cm) to base of core.
Nannofossil diatom ooze (~40/55%) with mud (~5%) and radiolarians (~5%)
Diatom nannofossil ooze (~25/70%) with mud (~5%) and traces of radiolarians

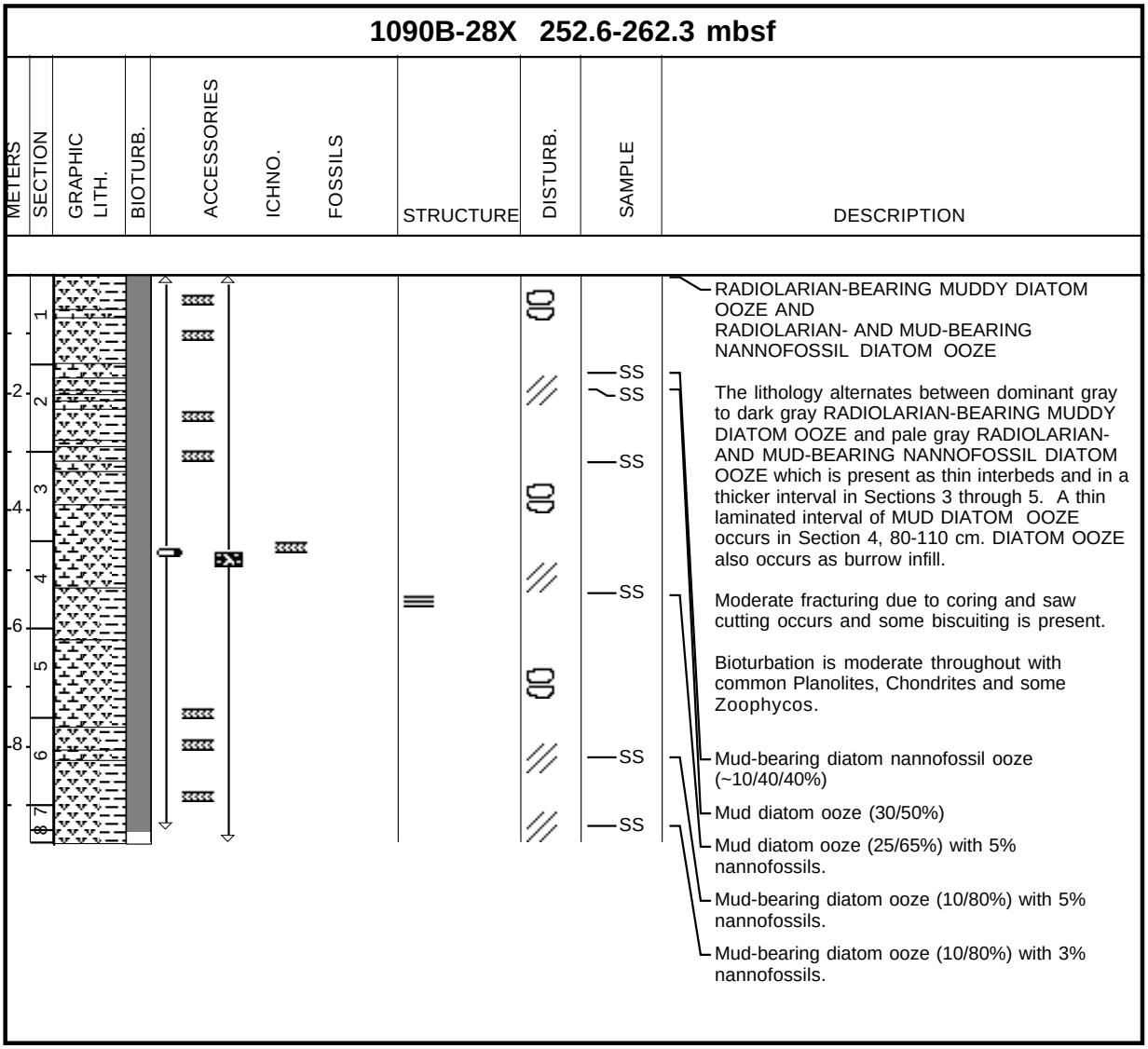
Core Photo


1090B-26X 233.2-242.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
FRACTURES
DESCRIPTION
MUDDY DIATOM OOZE AND MUD-BEARING NANNOFOSSIL DIATOM OOZE
Bioturbation occurs throughout the core, with ichnofossils of Planotlies, Chondrites, and Zoophycus. Core is fractured in several intervals due to stiffness of sediments. Spectacular burrow fills in Section 5 (45 cm) reveal reworking of lighter material into underlying darker material.
SS
Mud-bearing nannofossil diatom ooze (~10/30/55%) with 5% radiolarians
SS
Muddy diatom ooze (~35/50%) with 9% radiolarians and 6% sponge spicules
SS
Muddy diatom ooze (~35/50%) with 9% sponge spicules and 6% radiolarians

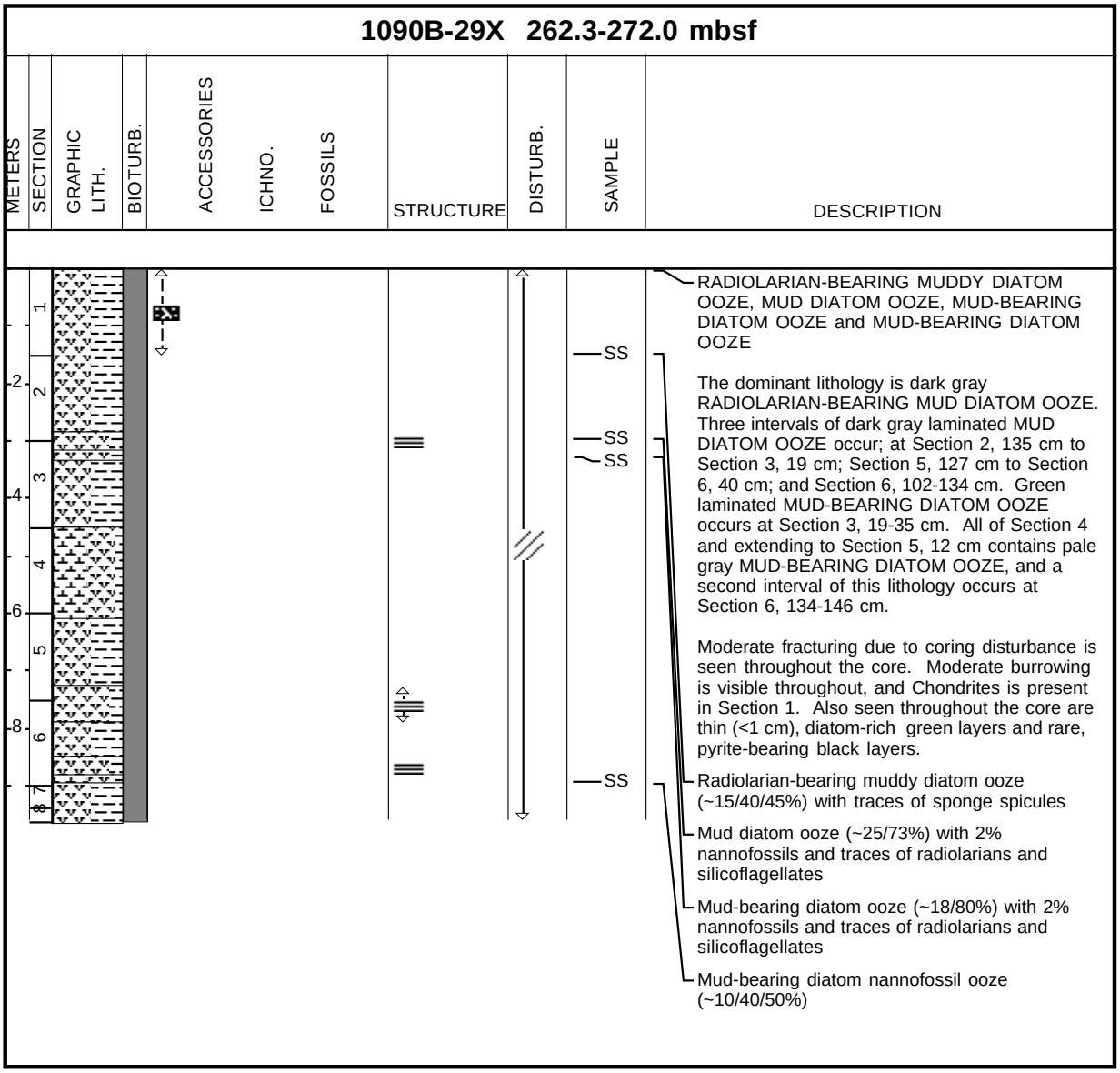
Core Photo


1090B-27X 242.9-252.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
RADIOLARIAN-BEARING MUD DIATOM OOZE and MUD-BEARING DIATOM NANNOFOSSIL OOZE
The dominant lithology is dark gray RADIOLARIAN-BEARING MUD DIATOM OOZE which alternates with smaller intervals of pale gray MUD-BEARING DIATOM NANNOFOSSIL OOZE. All contacts present are gradational with the exception of that occurring at Section 3, 136 cm which is likely a biscuit boundary. Moderate cracking is present due to the coring process. Burrowing is present throughout the core, with Skolithos seen in Section 1; Zoophycos in Sections 1 and 3; and Chondrites throughout.
Mud-bearing diatomaceous nannofossil ooze (~15/40/45%)
Radiolarian-bearing mud diatom ooze (~15/35/40%) with 8% nannofossils, 2% sponge spicules and traces of silicoflagellates

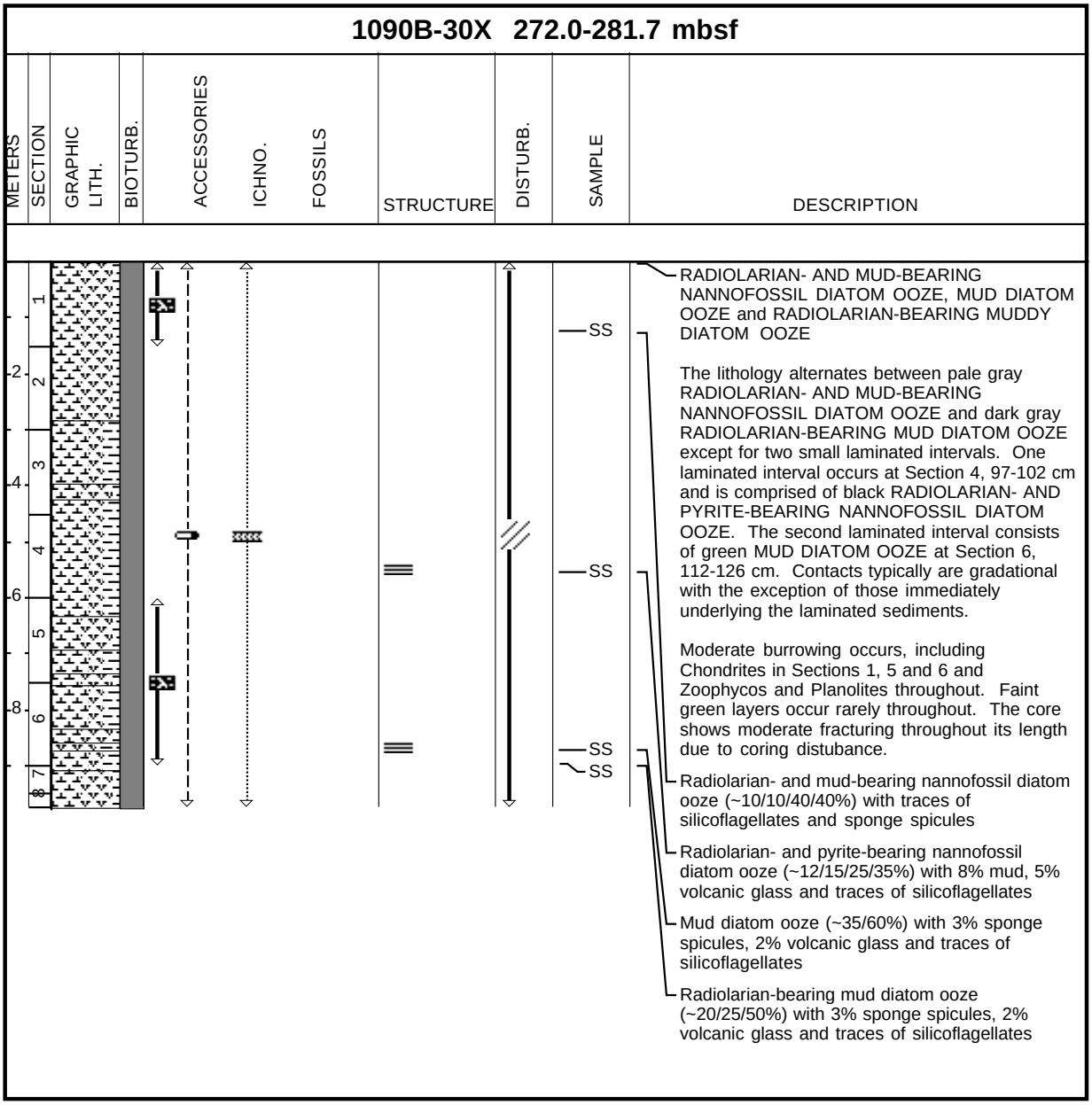
Core Photo


1090B-28X 252.6-262.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
SS
RADIOLARIAN-BEARING MUDDY DIATOM OOZE AND
RADIOLARIAN- AND MUD-BEARING NANNOFOSSIL DIATOM OOZE
The lithology alternates between dominant gray to dark gray RADIOLARIAN-BEARING MUDDY DIATOM OOZE and pale gray RADIOLARIAN- AND MUD-BEARING NANNOFOSSIL DIATOM OOZE which is present as thin interbeds and in a thicker interval in Sections 3 through 5. A thin laminated interval of MUD DIATOM OOZE occurs in Section 4, 80-110 cm. DIATOM OOZE also occurs as burrow infill.
Moderate fracturing due to coring and saw cutting occurs and some biscuiting is present.
Bioturbation is moderate throughout with common Planolites, Chondrites and some Zoophycos.
Mud-bearing diatom nannofossil ooze (~10/40/40%)
Mud diatom ooze (30/50%)
Mud diatom ooze (25/65%) with 5% nannofossils.
Mud-bearing diatom ooze (10/80%) with 5% nannofossils.
Mud-bearing diatom ooze (10/80%) with 3% nannofossils.

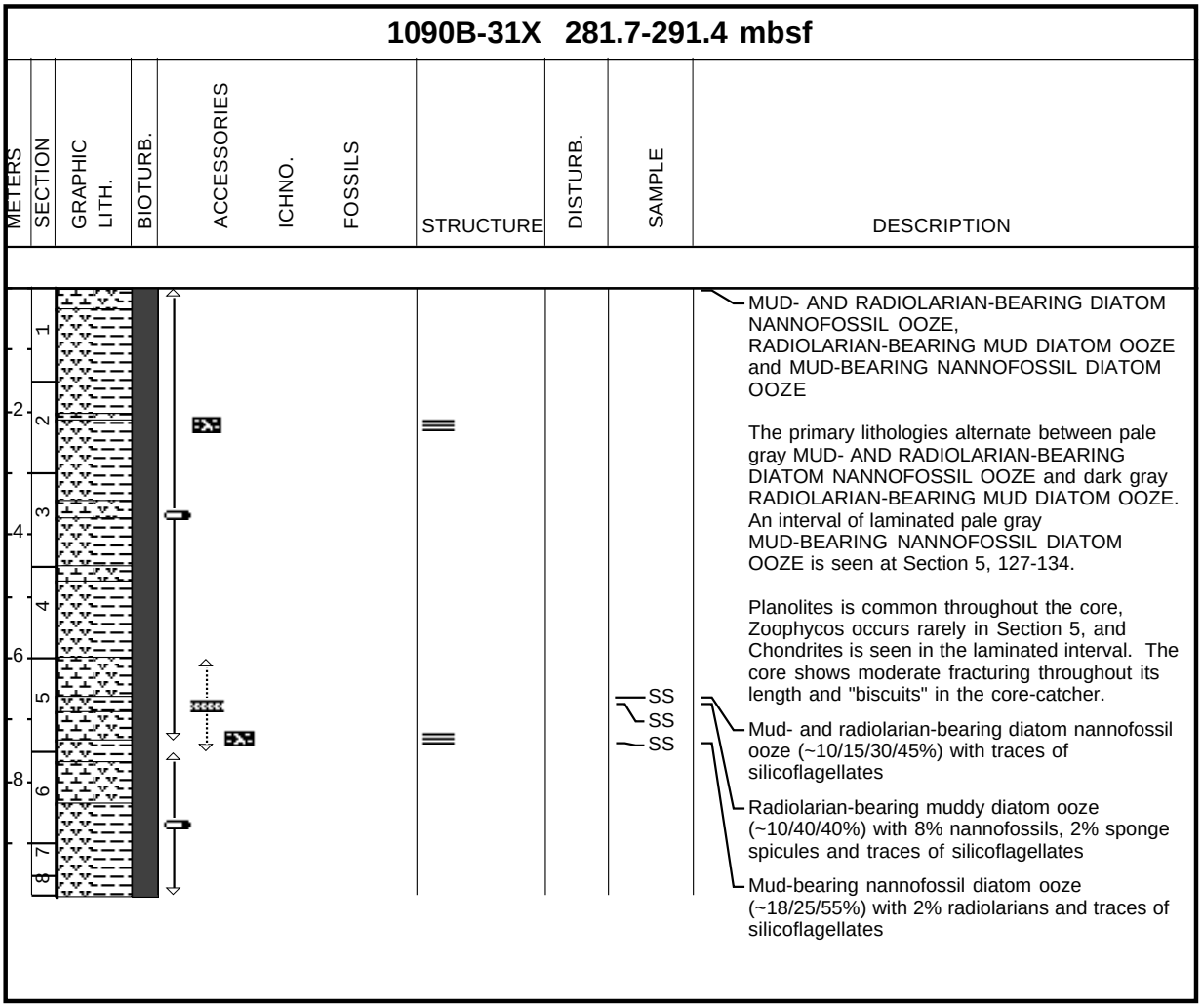
Core Photo


1090B-29X 262.3-272.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
RADIOLARIAN-BEARING MUDDY DIATOM OOZE, MUD DIATOM OOZE, MUD-BEARING DIATOM OOZE and MUD-BEARING DIATOM OOZE
The dominant lithology is dark gray RADIOLARIAN-BEARING MUD DIATOM OOZE. Three intervals of dark gray laminated MUD DIATOM OOZE occur; at Section 2, 135 cm to Section 3, 19 cm; Section 5, 127 cm to Section 6, 40 cm; and Section 6, 102-134 cm. Green laminated MUD-BEARING DIATOM OOZE occurs at Section 3, 19-35 cm. All of Section 4 and extending to Section 5, 12 cm contains pale gray MUD-BEARING DIATOM OOZE, and a second interval of this lithology occurs at Section 6, 134-146 cm.
Moderate fracturing due to coring disturbance is seen throughout the core. Moderate burrowing is visible throughout, and Chondrites is present in Section 1. Also seen throughout the core are thin (<1 cm), diatom-rich green layers and rare, pyrite-bearing black layers.
Radiolarian-bearing muddy diatom ooze (~15/40/45%) with traces of sponge spicules
Mud diatom ooze (~25/73%) with 2% nannofossils and traces of radiolarians and silicoflagellates
Mud-bearing diatom ooze (~18/80%) with 2% nannofossils and traces of radiolarians and silicoflagellates
Mud-bearing diatom nannofossil ooze (~10/40/50%)

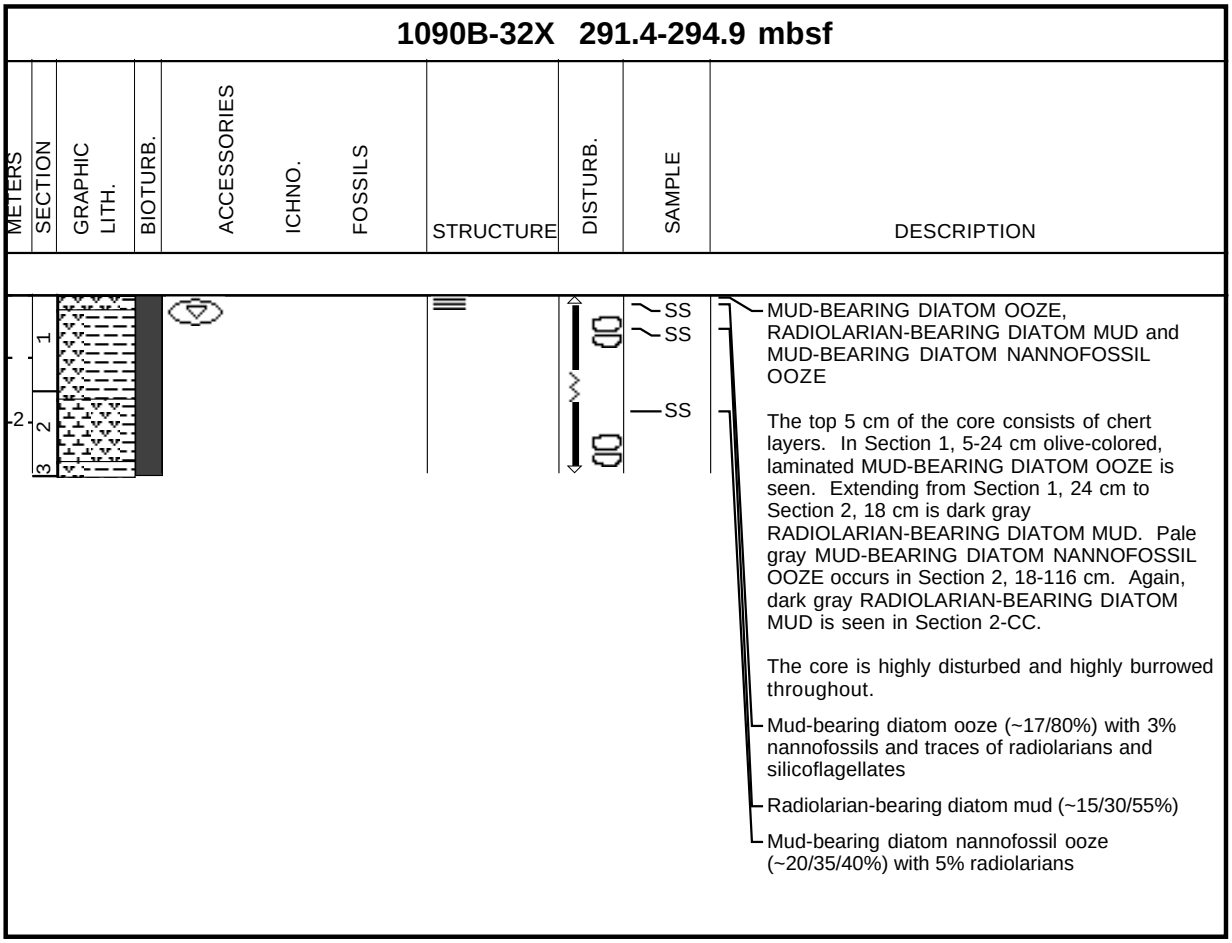
Core Photo


1090B-30X 272.0-281.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
RADIOLARIAN- AND MUD-BEARING NANNOFOSSIL DIATOM OOZE, MUD DIATOM OOZE and RADIOLARIAN-BEARING MUDDY DIATOM OOZE
The lithology alternates between pale gray RADIOLARIAN- AND MUD-BEARING NANNOFOSSIL DIATOM OOZE and dark gray RADIOLARIAN-BEARING MUD DIATOM OOZE except for two small laminated intervals. One laminated interval occurs at Section 4, 97-102 cm and is comprised of black RADIOLARIAN- AND PYRITE-BEARING NANNOFOSSIL DIATOM OOZE. The second laminated interval consists of green MUD DIATOM OOZE at Section 6, 112-126 cm. Contacts typically are gradational with the exception of those immediately underlying the laminated sediments.
Moderate burrowing occurs, including Chondrites in Sections 1, 5 and 6 and Zoophycos and Planolites throughout. Faint green layers occur rarely throughout. The core shows moderate fracturing throughout its length due to coring distubance.
Radiolarian- and mud-bearing nannofossil diatom ooze (~10/10/40/40%) with traces of silicoflagellates and sponge spicules
Radiolarian- and pyrite-bearing nannofossil diatom ooze (~12/15/25/35%) with 8% mud, 5% volcanic glass and traces of silicoflagellates
Mud diatom ooze (~35/60%) with 3% sponge spicules, 2% volcanic glass and traces of silicoflagellates
Radiolarian-bearing mud diatom ooze (~20/25/50%) with 3% sponge spicules, 2% volcanic glass and traces of silicoflagellates

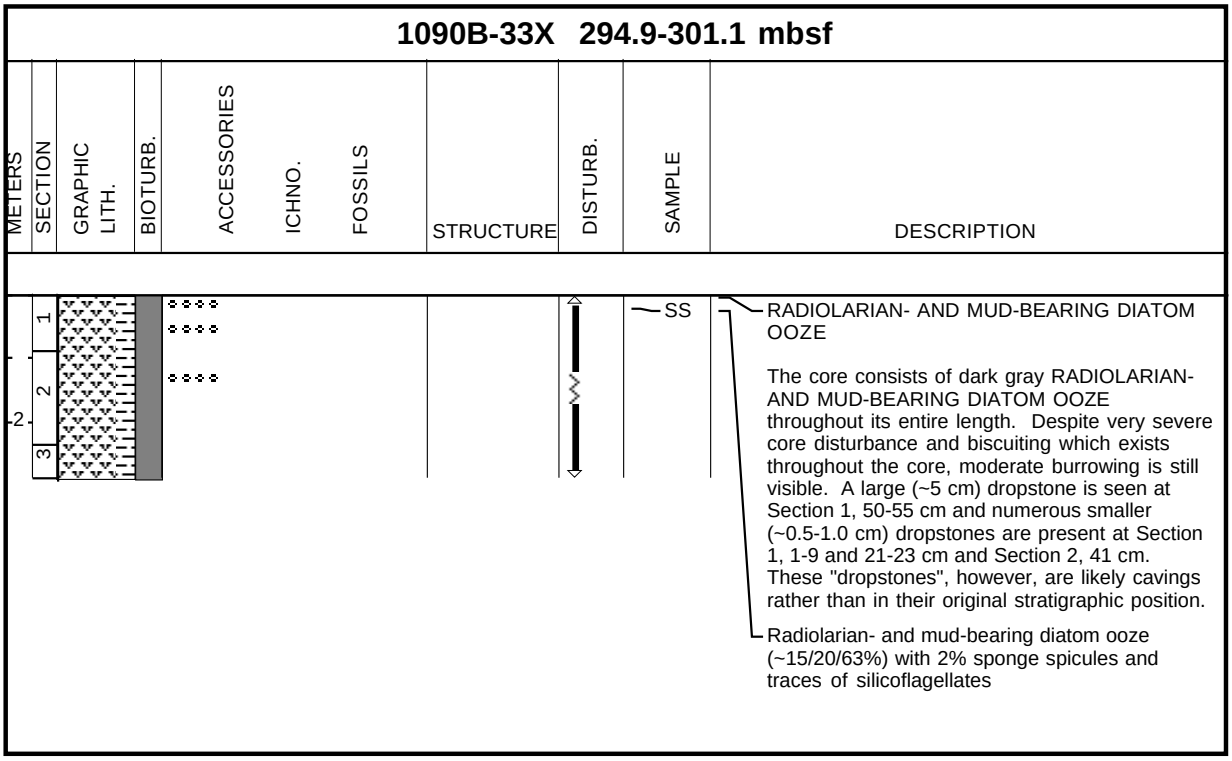
Core Photo


1090B-31X 281.7-291.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
MUD- AND RADIOLARIAN-BEARING DIATOM NANNOFOSSIL OOZE, RADIOLARIAN-BEARING MUD DIATOM OOZE and MUD-BEARING NANNOFOSSIL DIATOM OOZE
The primary lithologies alternate between pale gray MUD- AND RADIOLARIAN-BEARING DIATOM NANNOFOSSIL OOZE and dark gray RADIOLARIAN-BEARING MUD DIATOM OOZE. An interval of laminated pale gray MUD-BEARING NANNOFOSSIL DIATOM OOZE is seen at Section 5, 127-134.
Planolites is common throughout the core, Zoophycos occurs rarely in Section 5, and Chondrites is seen in the laminated interval. The core shows moderate fracturing throughout its length and "biscuits" in the core-catcher.
Mud- and radiolarian-bearing diatom nannofossil ooze (~10/15/30/45%) with traces of silicoflagellates
Radiolarian-bearing muddy diatom ooze (~10/40/40%) with 8% nannofossils, 2% sponge spicules and traces of silicoflagellates
Mud-bearing nannofossil diatom ooze (~18/25/55%) with 2% radiolarians and traces of silicoflagellates

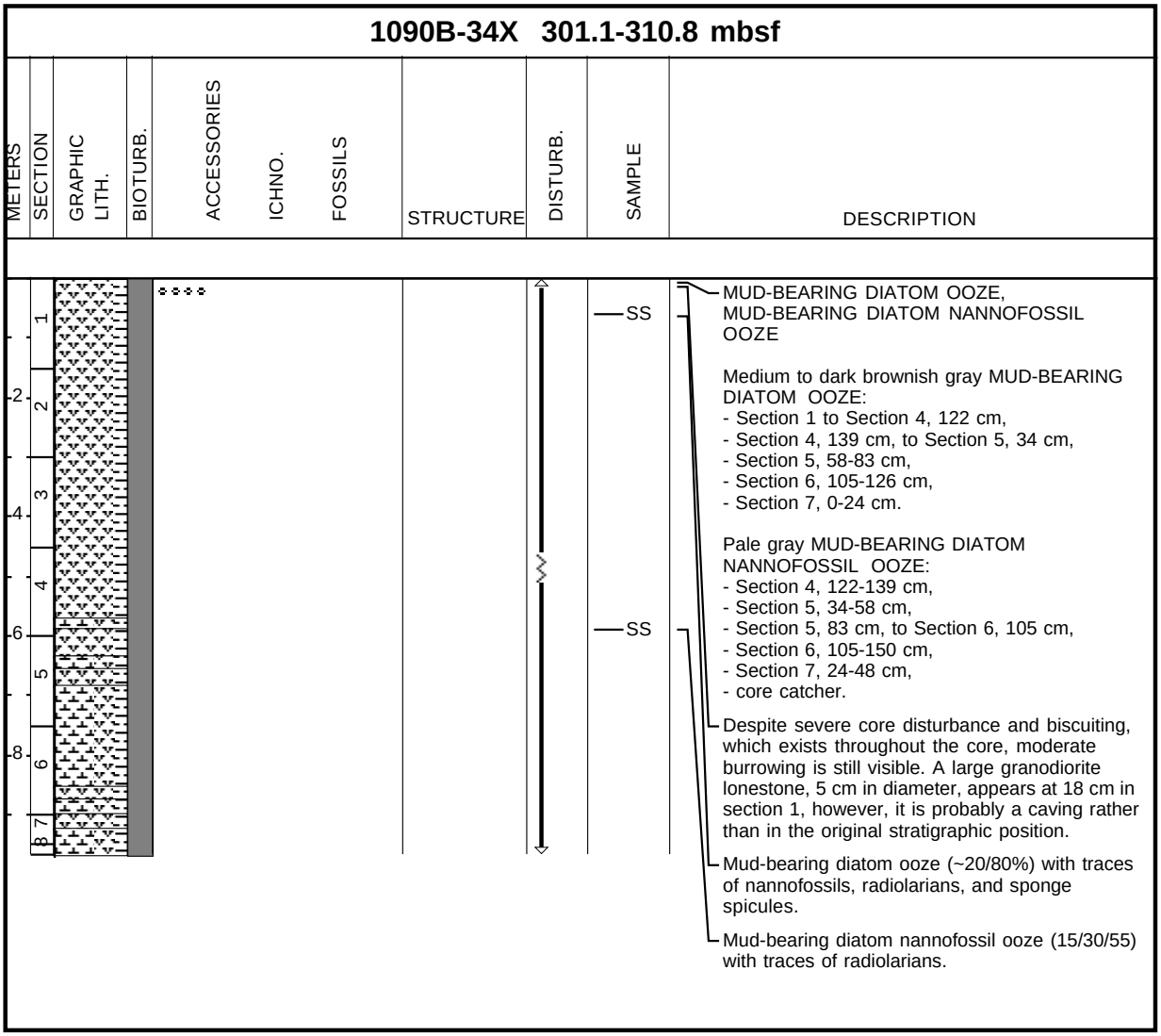
Core Photo


1090B-32X 291.4-294.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
MUD-BEARING DIATOM OOZE, RADIOLARIAN-BEARING DIATOM MUD and MUD-BEARING DIATOM NANNOFOSSIL OOZE
The top 5 cm of the core consists of chert layers. In Section 1, 5-24 cm olive-colored, laminated MUD-BEARING DIATOM OOZE is seen. Extending from Section 1, 24 cm to Section 2, 18 cm is dark gray RADIOLARIAN-BEARING DIATOM MUD. Pale gray MUD-BEARING DIATOM NANNOFOSSIL OOZE occurs in Section 2, 18-116 cm. Again, dark gray RADIOLARIAN-BEARING DIATOM MUD is seen in Section 2-CC.
The core is highly disturbed and highly burrowed throughout.
Mud-bearing diatom ooze (~17/80%) with 3% nannofossils and traces of radiolarians and silicoflagellates
Radiolarian-bearing diatom mud (~15/30/55%)
Mud-bearing diatom nannofossil ooze (~20/35/40%) with 5% radiolarians

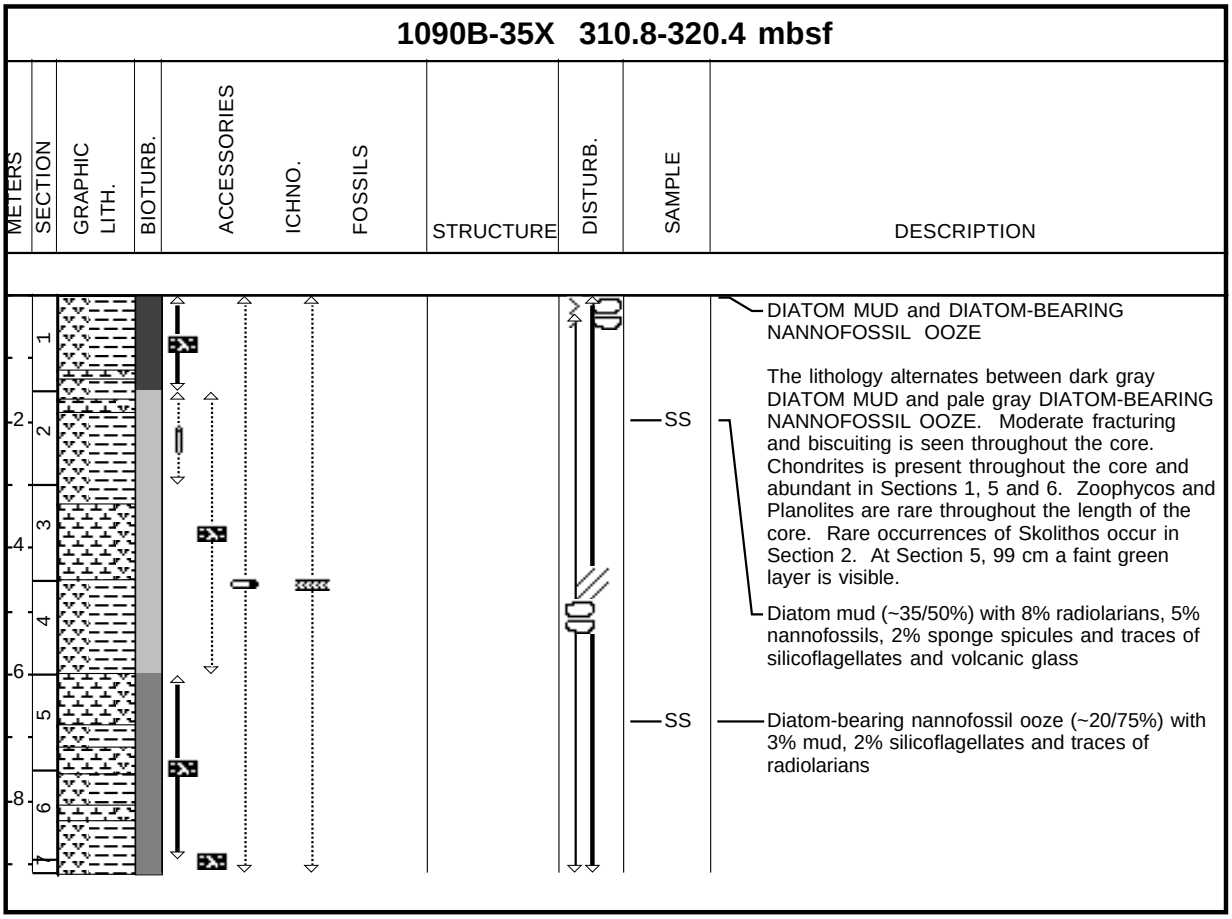
Core Photo


1090B-33X 294.9-301.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
2
SS
RADIOLARIAN- AND MUD-BEARING DIATOM OOZE
The core consists of dark gray RADIOLARIAN- AND MUD-BEARING DIATOM OOZE throughout its entire length. Despite very severe core disturbance and biscuiting which exists throughout the core, moderate burrowing is still visible. A large (~5 cm) dropstone is seen at Section 1, 50-55 cm and numerous smaller (~0.5-1.0 cm) dropstones are present at Section 1, 1-9 and 21-23 cm and Section 2, 41 cm. These "dropstones", however, are likely cavings rather than in their original stratigraphic position.
Radiolarian- and mud-bearing diatom ooze (~15/20/63%) with 2% sponge spicules and traces of silicoflagellates

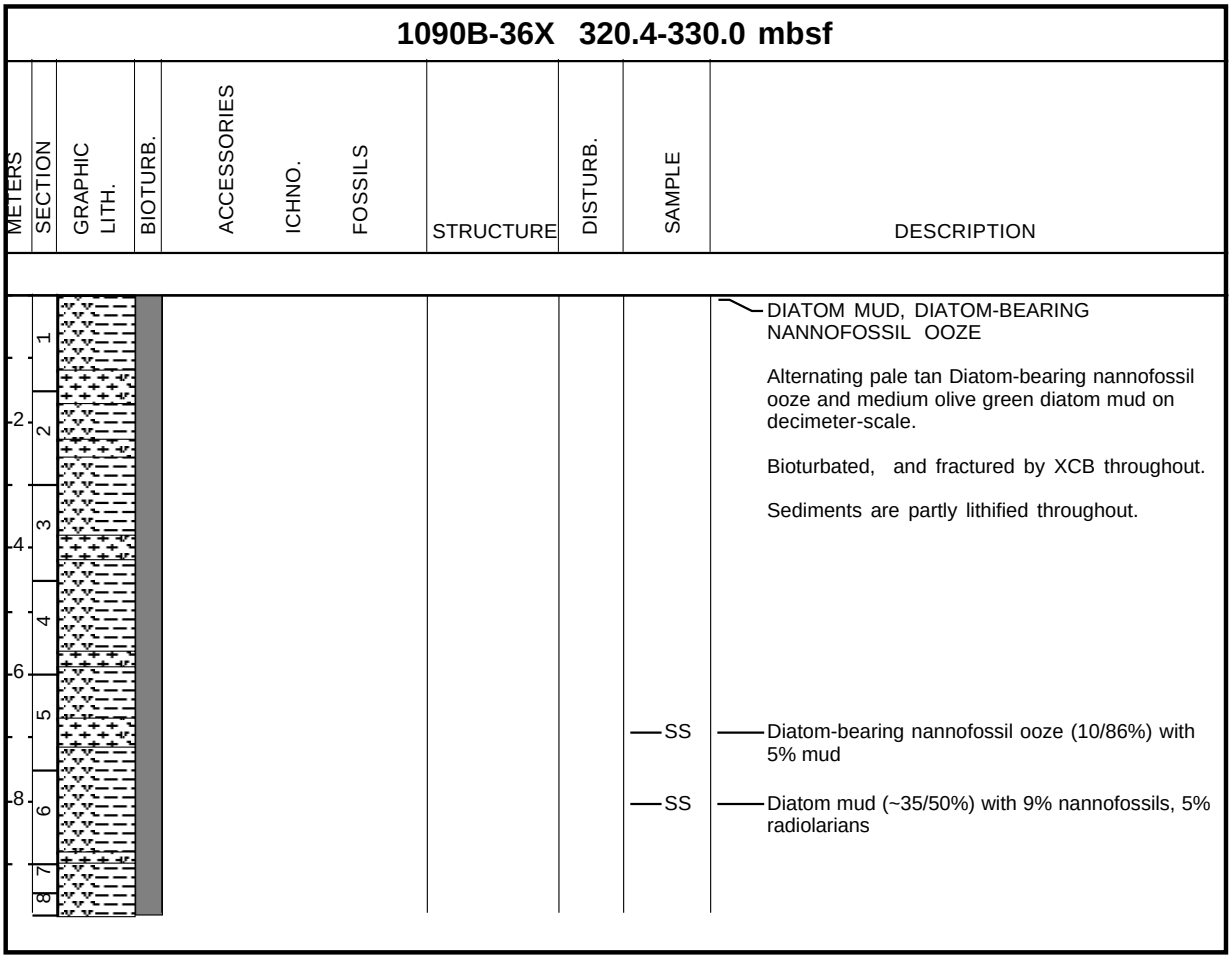
Core Photo


1090B-34X 301.1-310.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
MUD-BEARING DIATOM OOZE, MUD-BEARING DIATOM NANNOFOSSIL OOZE
Medium to dark brownish gray MUD-BEARING DIATOM OOZE:
- Section 1 to Section 4, 122 cm,
- Section 4, 139 cm, to Section 5, 34 cm,
- Section 5, 58-83 cm,
- Section 6, 105-126 cm,
- Section 7, 0-24 cm.
Pale gray MUD-BEARING DIATOM NANNOFOSSIL OOZE:
- Section 4, 122-139 cm,
- Section 5, 34-58 cm,
- Section 5, 83 cm, to Section 6, 105 cm,
- Section 6, 105-150 cm,
- Section 7, 24-48 cm,
- core catcher.
Despite severe core disturbance and biscuiting, which exists throughout the core, moderate burrowing is still visible. A large granodiorite lonestone, 5 cm in diameter, appears at 18 cm in section 1, however, it is probably a caving rather than in the original stratigraphic position.
Mud-bearing diatom ooze (~20/80%) with traces of nannofossils, radiolarians, and sponge spicules.
Mud-bearing diatom nannofossil ooze (15/30/55) with traces of radiolarians.

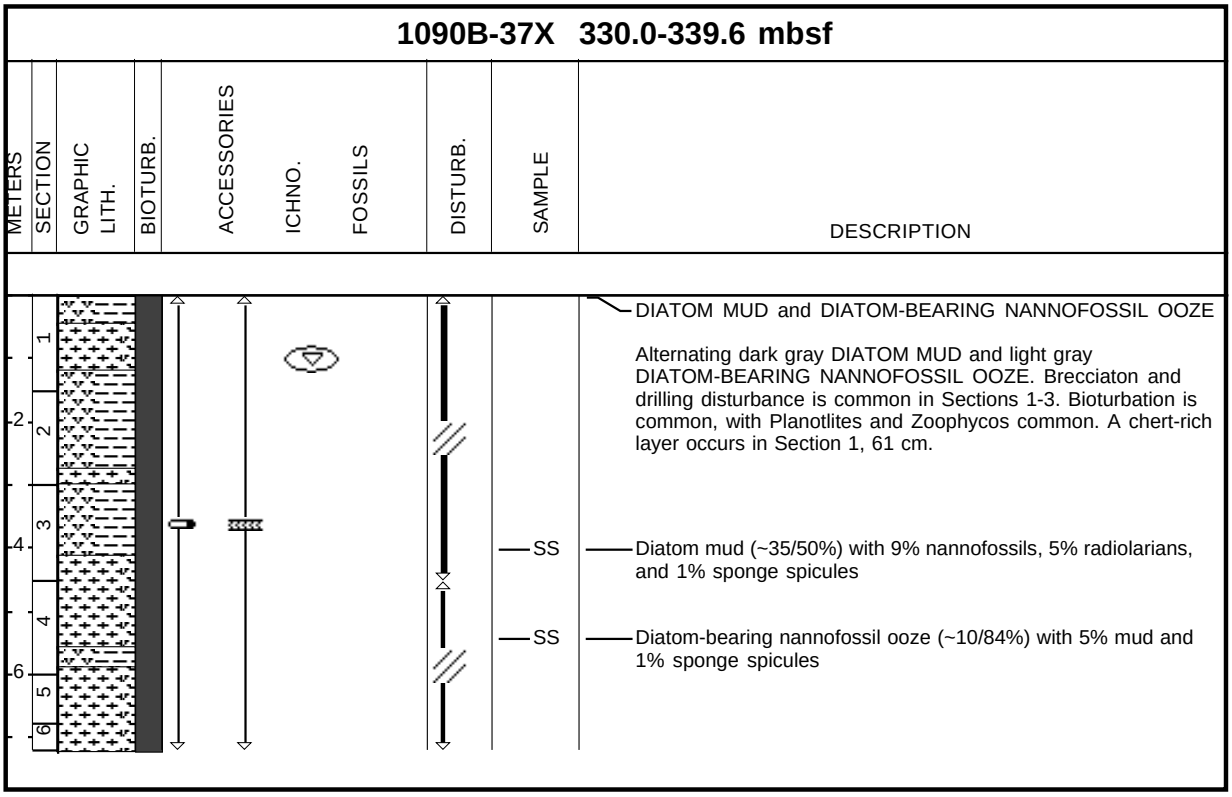
Core Photo


1090B-35X 310.8-320.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM MUD and DIATOM-BEARING NANNOFOSSIL OOZE
The lithology alternates between dark gray DIATOM MUD and pale gray DIATOM-BEARING NANNOFOSSIL OOZE. Moderate fracturing and biscuiting is seen throughout the core. Chondrites is present throughout the core and abundant in Sections 1, 5 and 6. Zoophycos and Planolites are rare throughout the length of the core. Rare occurrences of Skolithos occur in Section 2. At Section 5, 99 cm a faint green layer is visible.
Diatom mud (~35/50%) with 8% radiolarians, 5% nannofossils, 2% sponge spicules and traces of silicoflagellates and volcanic glass
Diatom-bearing nannofossil ooze (~20/75%) with 3% mud, 2% silicoflagellates and traces of radiolarians

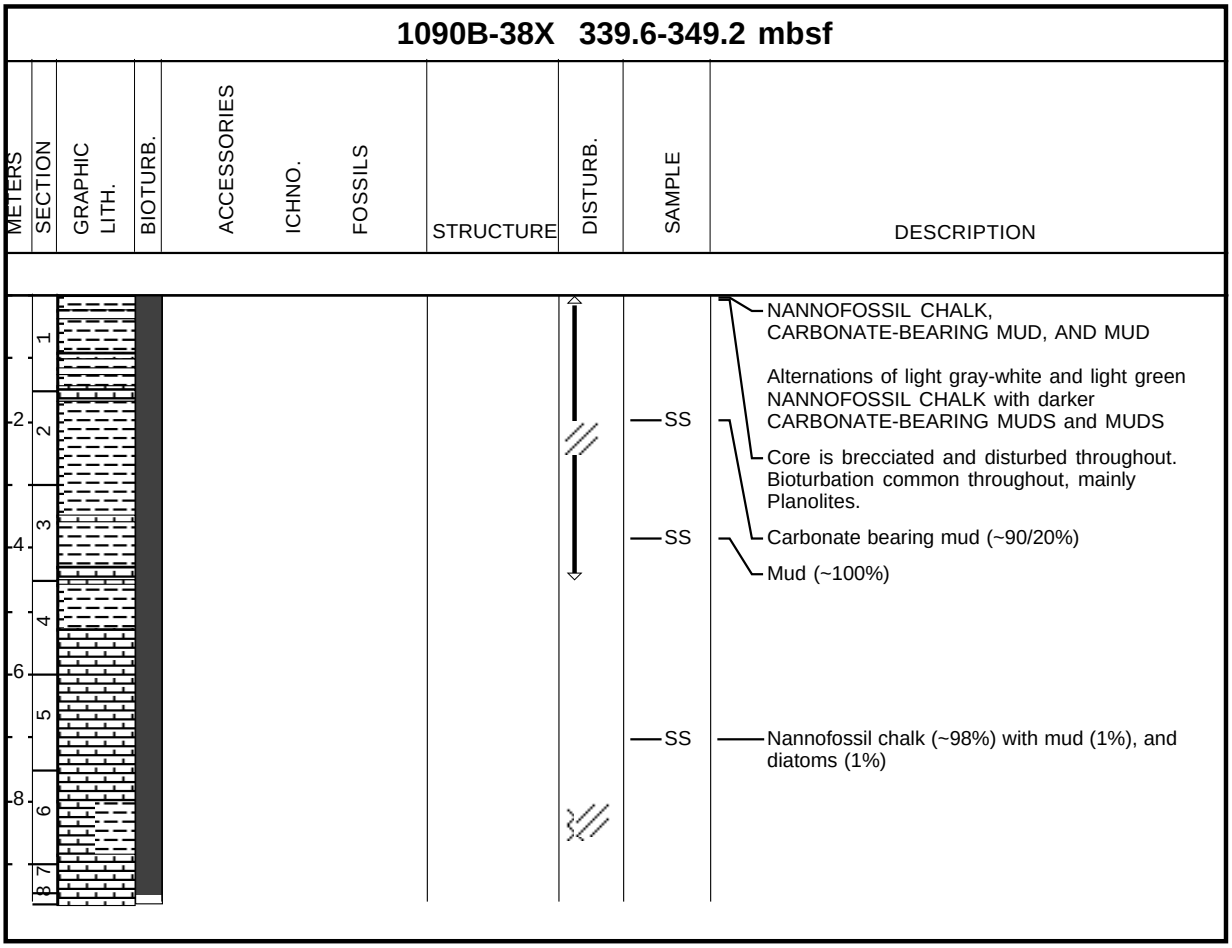
Core Photo


1090B-36X 320.4-330.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD, DIATOM-BEARING NANNOFOSSIL OOZE
Alternating pale tan Diatom-bearing nannofossil ooze and medium olive green diatom mud on decimeter-scale.
Bioturbated, and fractured by XCB throughout.
Sediments are partly lithified throughout.
SS
Diatom-bearing nannofossil ooze (10/86%) with 5% mud
SS
Diatom mud (~35/50%) with 9% nannofossils, 5% radiolarians

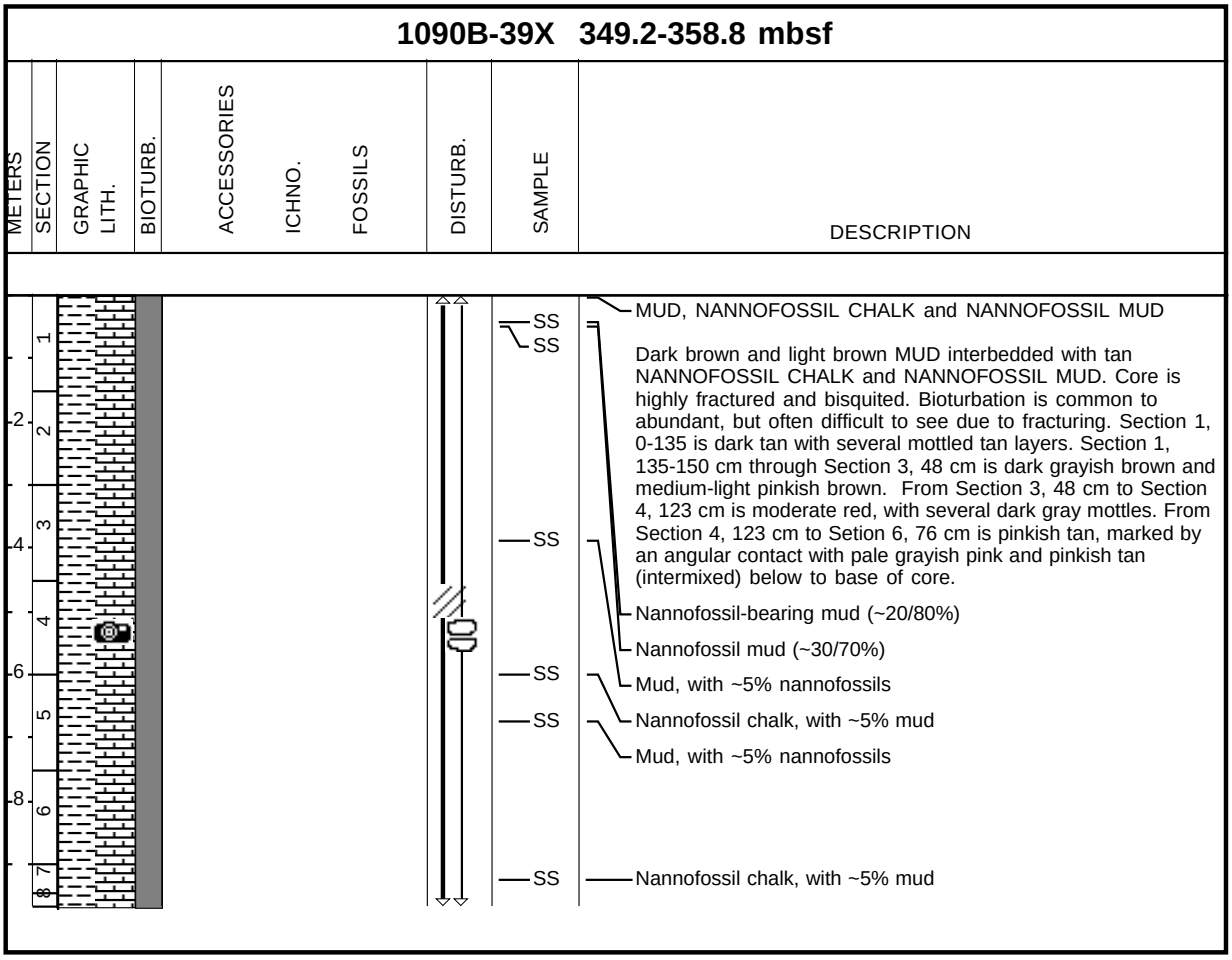
Core Photo


1090B-37X 330.0-339.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM MUD and DIATOM-BEARING NANNOFOSSIL OOZE
Alternating dark gray DIATOM MUD and light gray DIATOM-BEARING NANNOFOSSIL OOZE. Brecciaton and drilling disturbance is common in Sections 1-3. Bioturbation is common, with Planotlites and Zoophycos common. A chert-rich layer occurs in Section 1, 61 cm.
SS
Diatom mud (~35/50%) with 9% nannofossils, 5% radiolarians, and 1% sponge spicules
SS
Diatom-bearing nannofossil ooze (~10/84%) with 5% mud and 1% sponge spicules

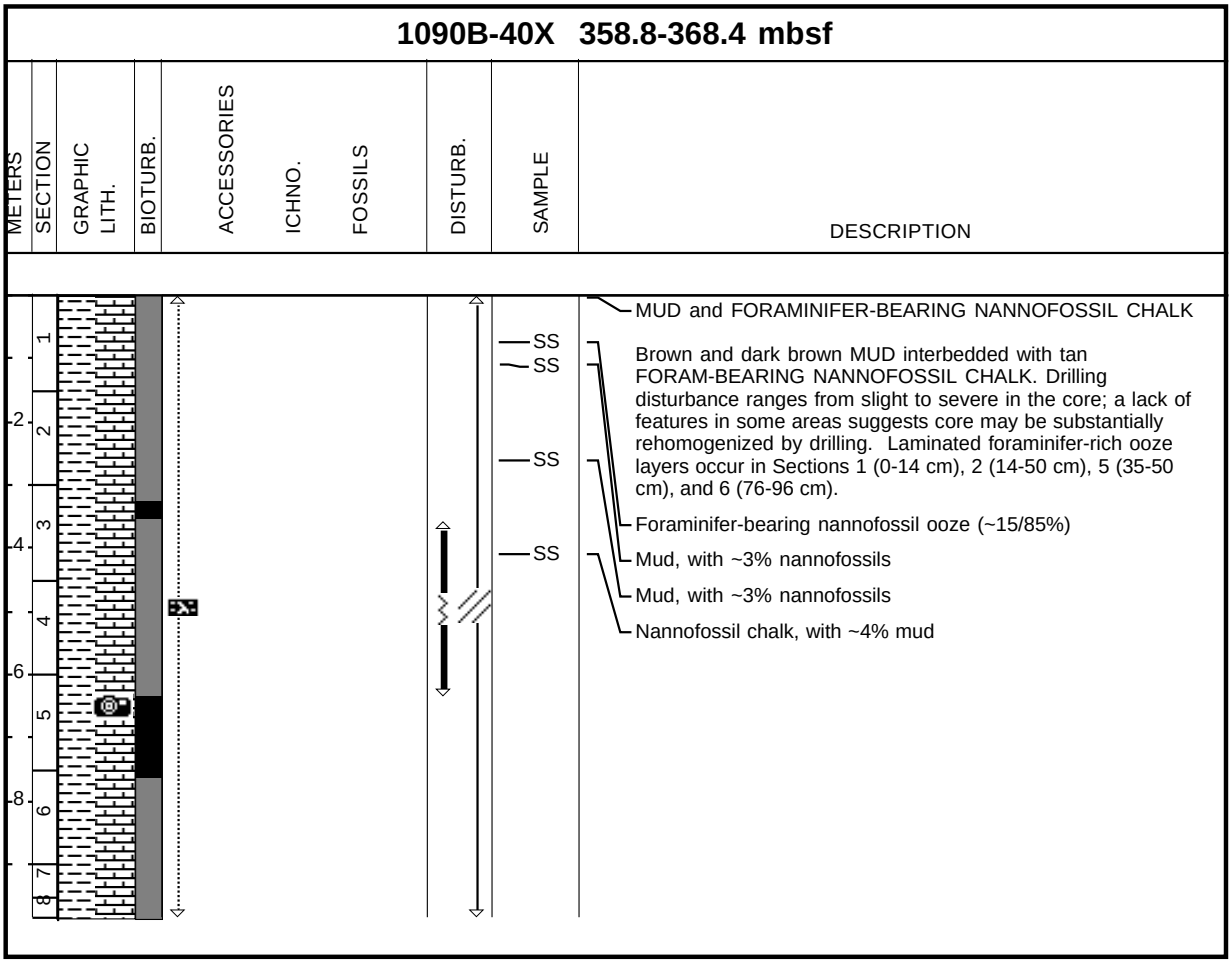
Core Photo


1090B-38X 339.6-349.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
NANNOFOSSIL CHALK, CARBONATE-BEARING MUD, AND MUD
Alternations of light gray-white and light green NANNOFOSSIL CHALK with darker CARBONATE-BEARING MUDS and MUDS
Core is brecciated and disturbed throughout. Bioturbation common throughout, mainly Planolites.
SS
Carbonate bearing mud (~90/20%)
SS
Mud (~100%)
SS
Nannofossil chalk (~98%) with mud (1%), and diatoms (1%)

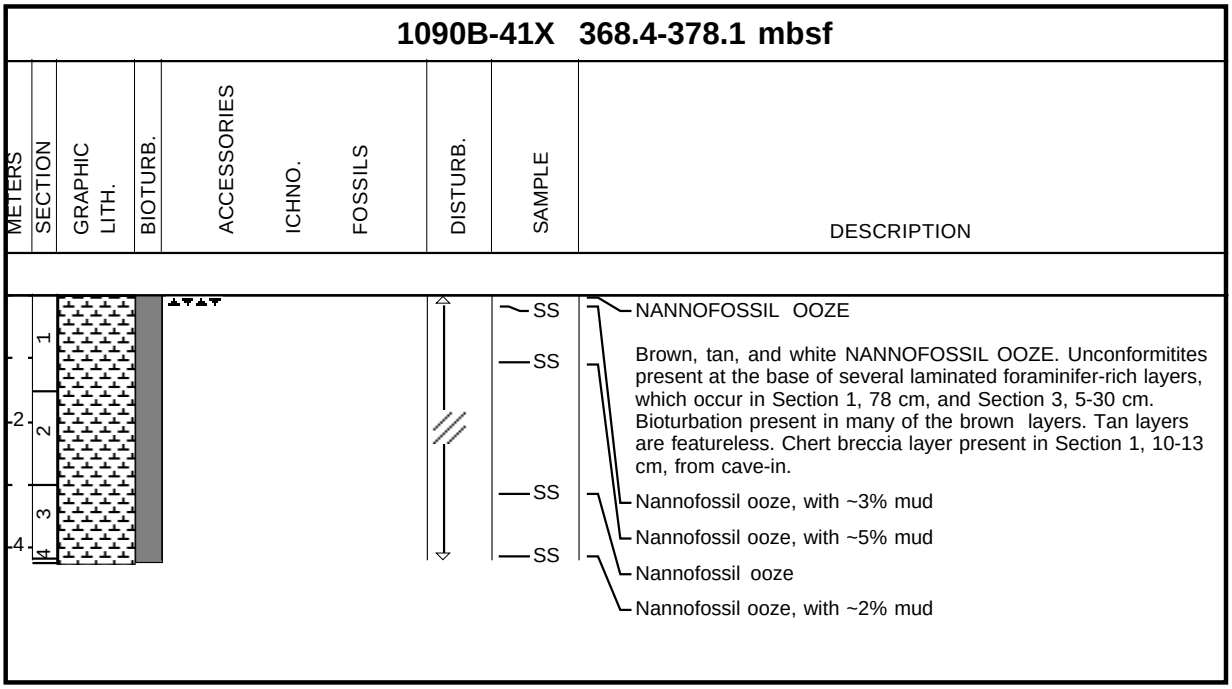
Core Photo


1090B-39X 349.2-358.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
SS
MUD, NANNOFOSSIL CHALK and NANNOFOSSIL MUD
Dark brown and light brown MUD interbedded with tan NANNOFOSSIL CHALK and NANNOFOSSIL MUD. Core is highly fractured and bisquited. Bioturbation is common to abundant, but often difficult to see due to fracturing. Section 1, 0-135 is dark tan with several mottled tan layers. Section 1, 135-150 cm through Section 3, 48 cm is dark grayish brown and medium-light pinkish brown. From Section 3, 48 cm to Section 4, 123 cm is moderate red, with several dark gray mottles. From Section 4, 123 cm to Setion 6, 76 cm is pinkish tan, marked by an angular contact with pale grayish pink and pinkish tan (intermixed) below to base of core.
Nannofossil-bearing mud (~20/80%)
Nannofossil mud (~30/70%)
Mud, with ~5% nannofossils
Nannofossil chalk, with ~5% mud
Mud, with ~5% nannofossils
Nannofossil chalk, with ~5% mud

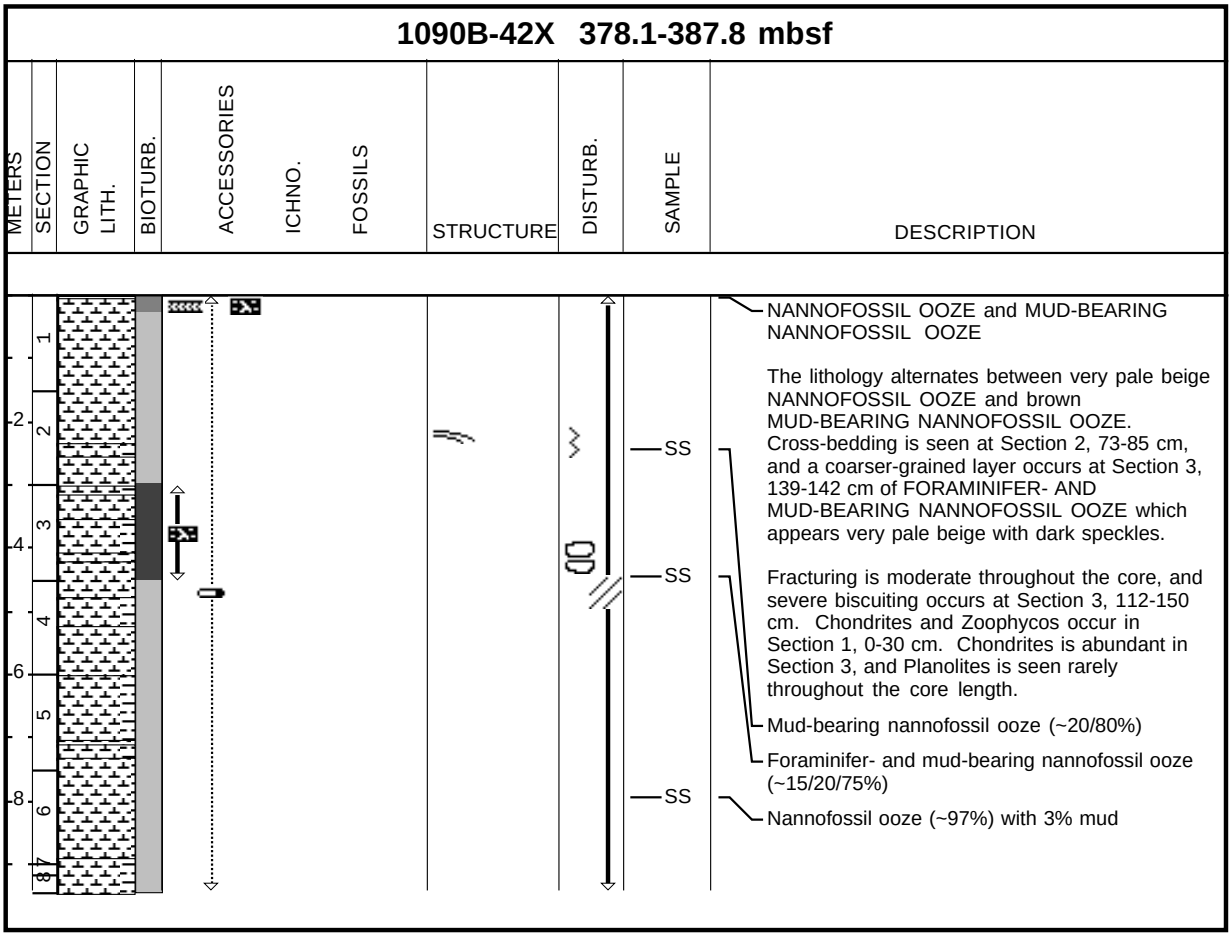
Core Photo


1090B-40X 358.8-368.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
MUD and FORAMINIFER-BEARING NANNOFOSSIL CHALK
Brown and dark brown MUD interbedded with tan FORAM-BEARING NANNOFOSSIL CHALK. Drilling disturbance ranges from slight to severe in the core; a lack of features in some areas suggests core may be substantially rehomogenized by drilling. Laminated foraminifer-rich ooze layers occur in Sections 1 (0-14 cm), 2 (14-50 cm), 5 (35-50 cm), and 6 (76-96 cm).
Foraminifer-bearing nannofossil ooze (~15/85%)
Mud, with ~3% nannofossils
Mud, with ~3% nannofossils
Nannofossil chalk, with ~4% mud

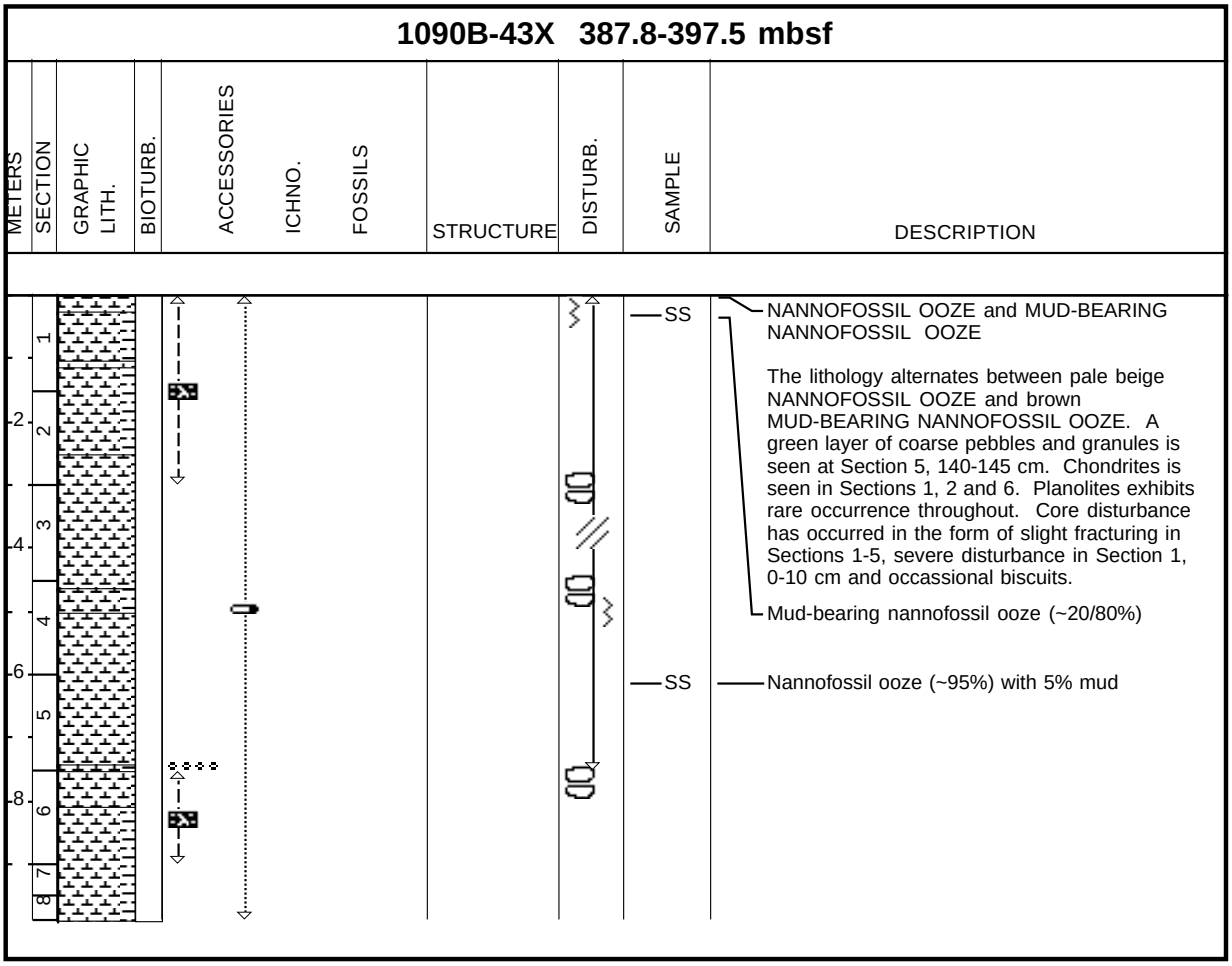
Core Photo


1090B-41X 368.4-378.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
2
4
SS
SS
SS
SS
NANNOFOSSIL OOZE
Brown, tan, and white NANNOFOSSIL OOZE. Unconformitites present at the base of several laminated foraminifer-rich layers, which occur in Section 1, 78 cm, and Section 3, 5-30 cm. Bioturbation present in many of the brown layers. Tan layers are featureless. Chert breccia layer present in Section 1, 10-13 cm, from cave-in.
Nannofossil ooze, with ~3% mud
Nannofossil ooze, with ~5% mud
Nannofossil ooze
Nannofossil ooze, with ~2% mud

Core Photo


1090B-42X 378.1-387.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
NANNOFOSSIL OOZE and MUD-BEARING NANNOFOSSIL OOZE
The lithology alternates between very pale beige NANNOFOSSIL OOZE and brown MUD-BEARING NANNOFOSSIL OOZE. Cross-bedding is seen at Section 2, 73-85 cm, and a coarser-grained layer occurs at Section 3, 139-142 cm of FORAMINIFER- AND MUD-BEARING NANNOFOSSIL OOZE which appears very pale beige with dark speckles.
Fracturing is moderate throughout the core, and severe biscuiting occurs at Section 3, 112-150 cm. Chondrites and Zoophycos occur in Section 1, 0-30 cm. Chondrites is abundant in Section 3, and Planolites is seen rarely throughout the core length.
Mud-bearing nannofossil ooze (~20/80%)
Foraminifer- and mud-bearing nannofossil ooze (~15/20/75%)
Nannofossil ooze (~97%) with 3% mud

Core Photo

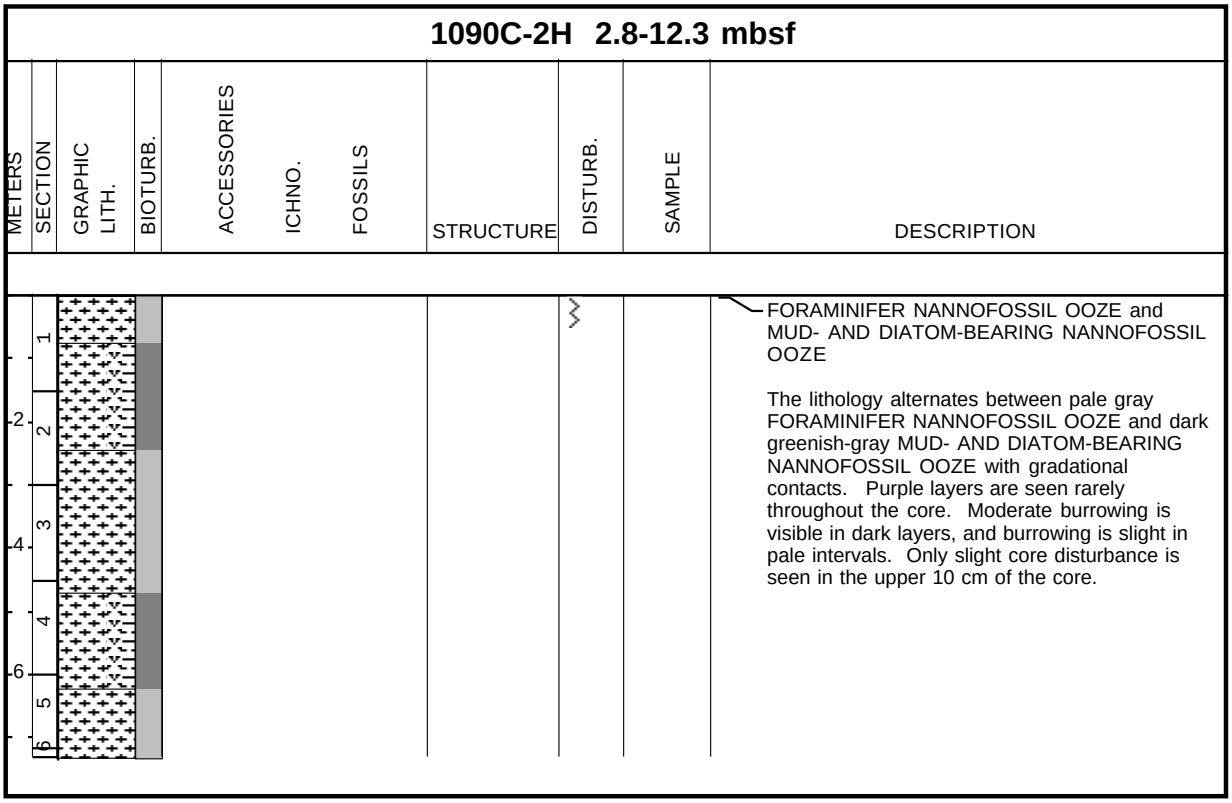

1090B-43X 387.8-397.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
NANNOFOSSIL OOZE and MUD-BEARING NANNOFOSSIL OOZE
The lithology alternates between pale beige NANNOFOSSIL OOZE and brown MUD-BEARING NANNOFOSSIL OOZE. A green layer of coarse pebbles and granules is seen at Section 5, 140-145 cm. Chondrites is seen in Sections 1, 2 and 6. Planolites exhibits rare occurrence throughout. Core disturbance has occurred in the form of slight fracturing in Sections 1-5, severe disturbance in Section 1, 0-10 cm and occassional biscuits.
Mud-bearing nannofossil ooze (~20/80%)
Nannofossil ooze (~95%) with 5% mud

Core Photo

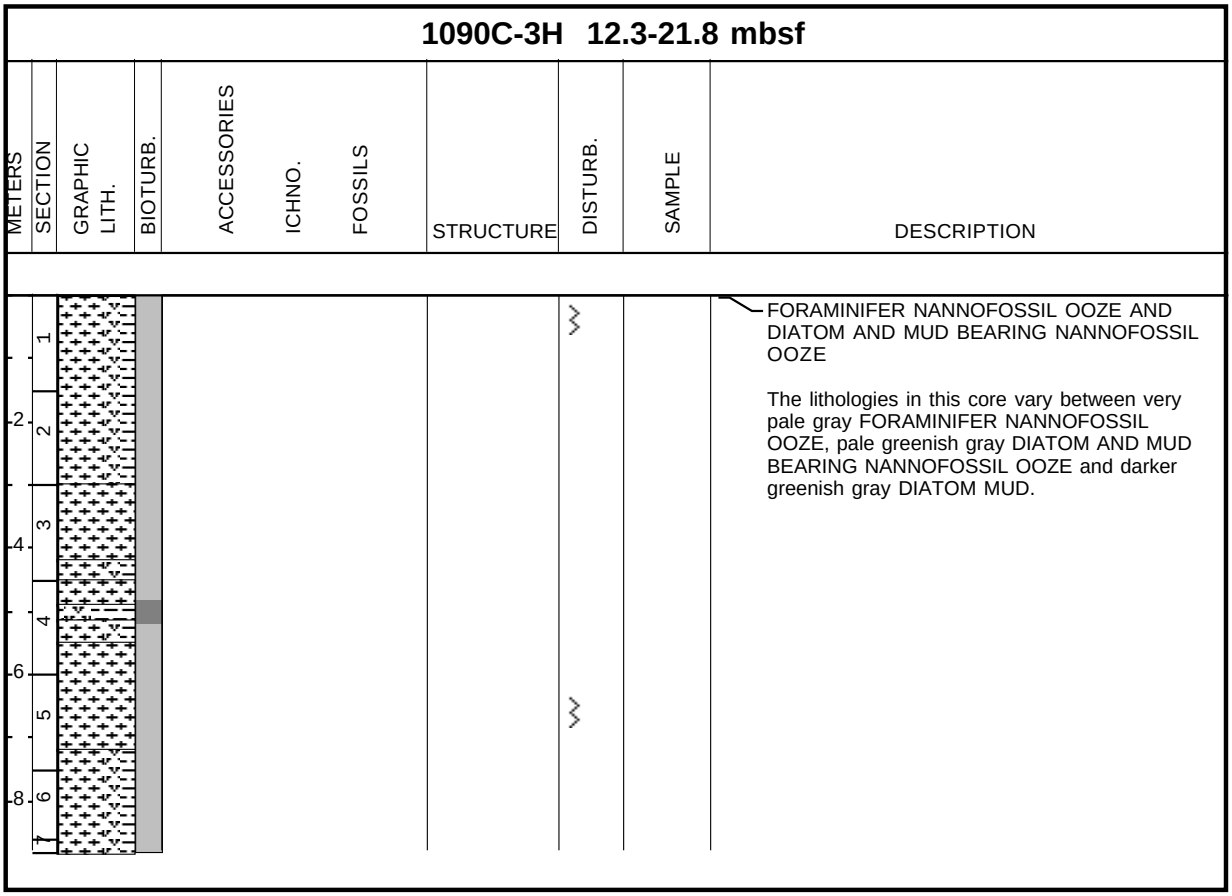
1090C-1H 0.0-2.8 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
1	1									NANNOFOSSIL- AND DIATOM-BEARING FORAMINIFER OOZE, DIATOM- AND FORAMINIFER-BEARING MUD NANNOFOSSIL OOZE, MUD-BEARING FORAMINIFER NANNOFOSSIL OOZE and DIATOM-BEARING NANNOFOSSIL FORAMINIFER OOZE Brown NANNOFOSSIL- AND DIATOM-BEARING FORAMINIFER OOZE occurs to Section 1, 74 cm. Greenish-gray DIATOM- AND FORAMINIFER-BEARING MUD NANNOFOSSIL OOZE extends to Section 1, 128 cm. Medium gray MUD-BEARING FORAMINIFER NANNOFOSSIL OOZE is seen to Section 2, 23 cm. Section 2, 23-53 cm contains dark gray DIATOM- AND FORAMINIFER-BEARING MUDDY NANNOFOSSIL OOZE, and the remainder of the core shows pale gray DIATOM-BEARING NANNOFOSSIL FORAMINIFER OOZE.
2	2									
	3									

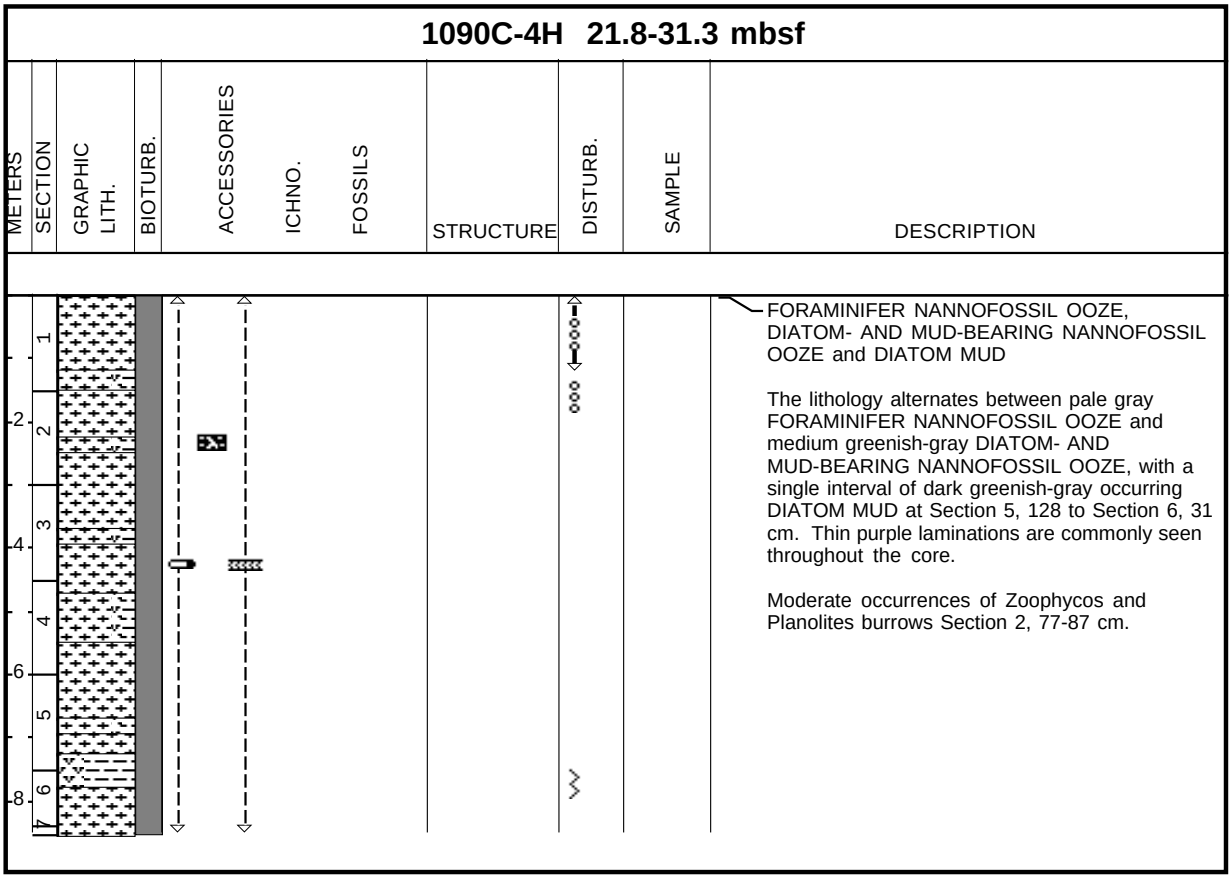
Core Photo


1090C-2H 2.8-12.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
FORAMINIFER NANNOFOSSIL OOZE and MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
The lithology alternates between pale gray FORAMINIFER NANNOFOSSIL OOZE and dark greenish-gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE with gradational contacts. Purple layers are seen rarely throughout the core. Moderate burrowing is visible in dark layers, and burrowing is slight in pale intervals. Only slight core disturbance is seen in the upper 10 cm of the core.

Core Photo

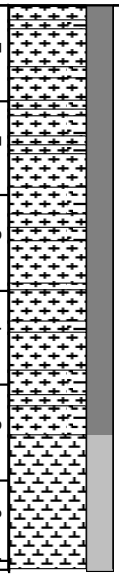

1090C-3H 12.3-21.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
FORAMINIFER NANNOFOSSIL OOZE AND DIATOM AND MUD BEARING NANNOFOSSIL OOZE
The lithologies in this core vary between very pale gray FORAMINIFER NANNOFOSSIL OOZE, pale greenish gray DIATOM AND MUD BEARING NANNOFOSSIL OOZE and darker greenish gray DIATOM MUD.

Core Photo

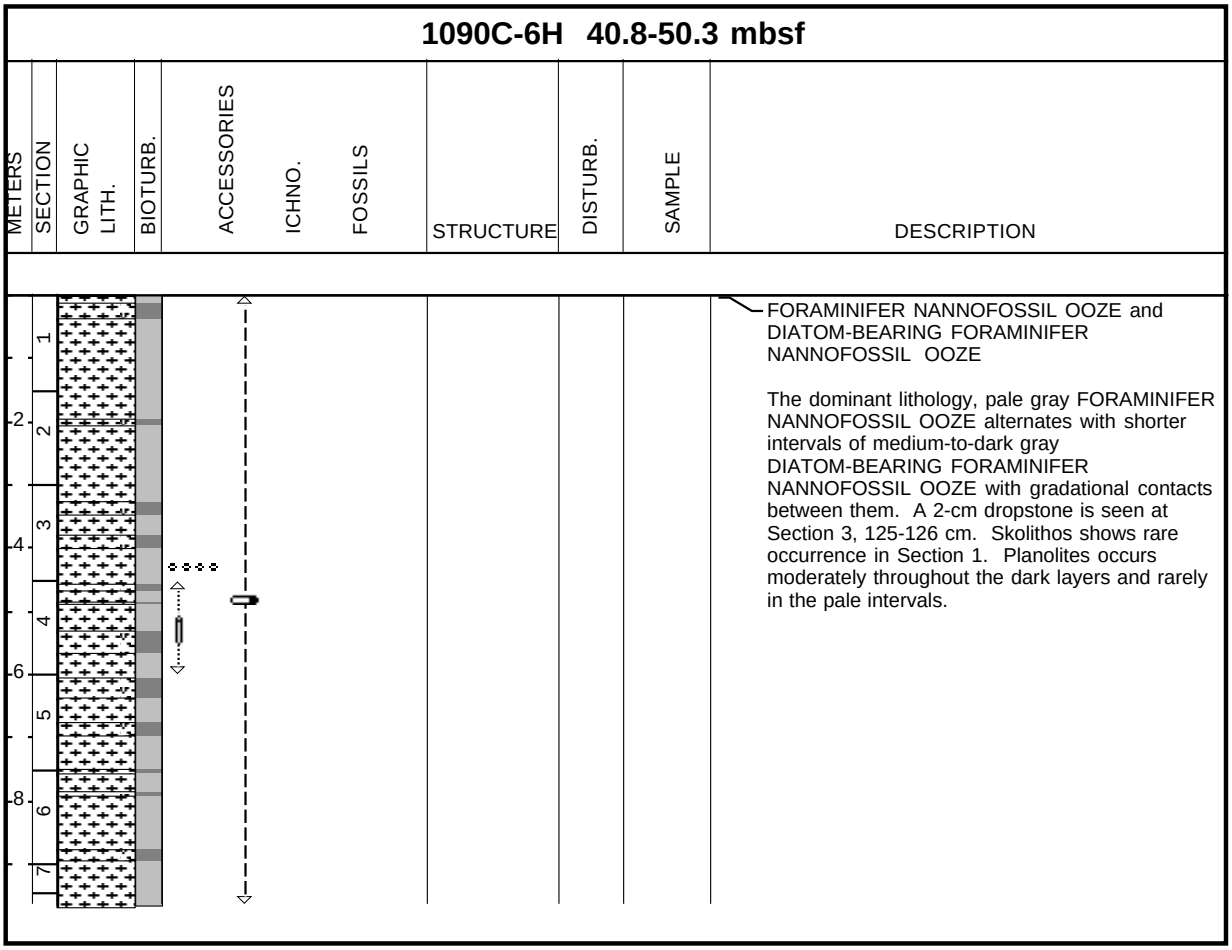

1090C-4H 21.8-31.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
FORAMINIFER NANNOFOSSIL OOZE, DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE and DIATOM MUD
The lithology alternates between pale gray FORAMINIFER NANNOFOSSIL OOZE and medium greenish-gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE, with a single interval of dark greenish-gray occurring DIATOM MUD at Section 5, 128 to Section 6, 31 cm. Thin purple laminations are commonly seen throughout the core.
Moderate occurrences of Zoophycos and Planolites burrows Section 2, 77-87 cm.

Core Photo

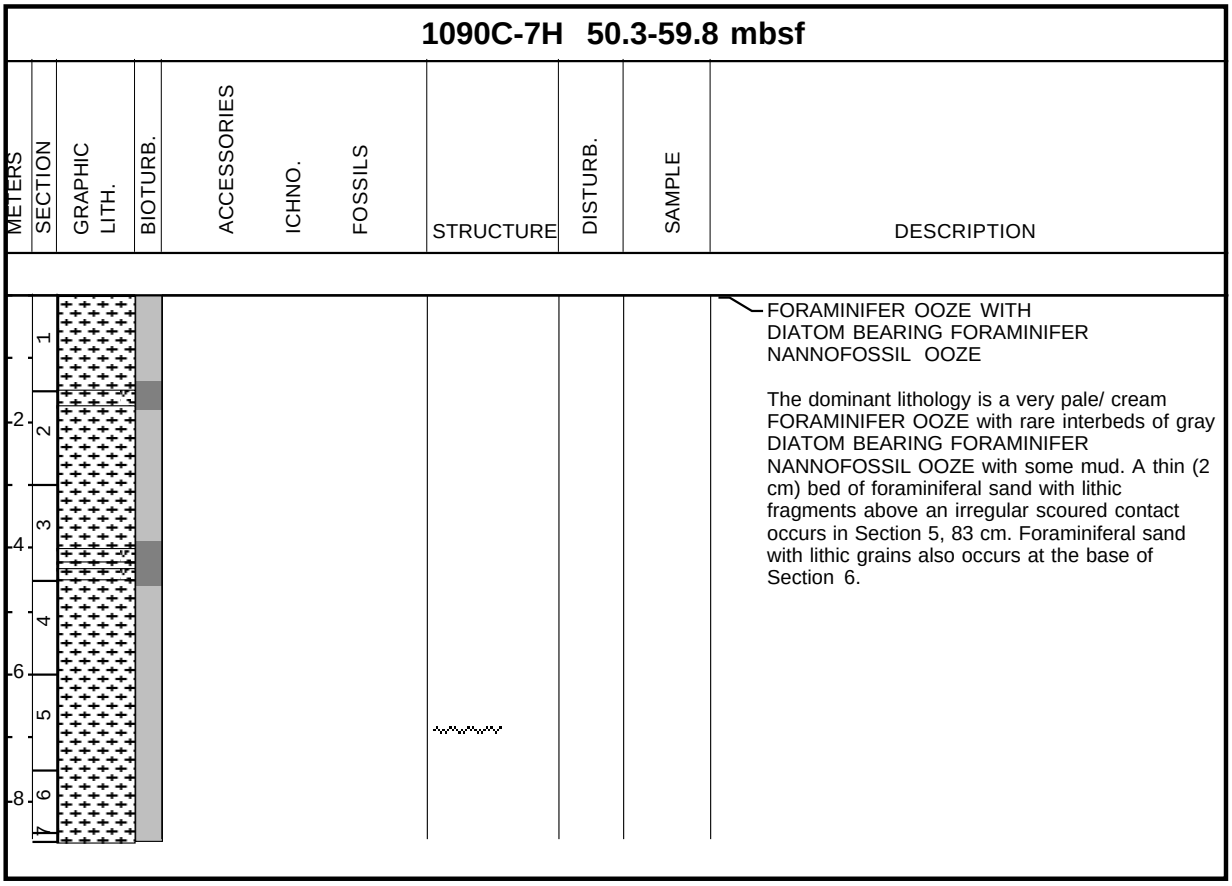
1090C-5H 31.3-40.8 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES / ICHNO. / FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
1 2 4 6 8	1 2 3 4 5 6 7							FORAMINIFER-BEARING NANNOFOSSIL OOZE, DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE, NANNOFOSSIL OOZE Alternation of pale gray FORAMINIFER-BEARING NANNOFOSSIL OOZE and medium to dark grayish DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE throughout sections 1 to 5, 80 cm. A diffuse purple gray band occurs in sectin 5 between 40 and 47 cm. Lower part of core consists of white NANNOFOSSIL OOZE with occasional shades of pale gray. Section 1 is soupy down to 18 cm. Bioturbation is moderate to rare.

Core Photo

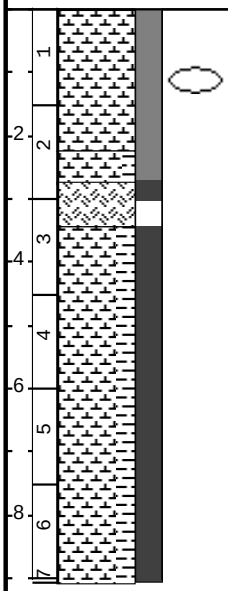

1090C-6H 40.8-50.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
FORAMINIFER NANNOFOSSIL OOZE and DIATOM-BEARING FORAMINIFER NANNOFOSSIL OOZE
The dominant lithology, pale gray FORAMINIFER NANNOFOSSIL OOZE alternates with shorter intervals of medium-to-dark gray DIATOM-BEARING FORAMINIFER NANNOFOSSIL OOZE with gradational contacts between them. A 2-cm dropstone is seen at Section 3, 125-126 cm. Skolithos shows rare occurrence in Section 1. Planolites occurs moderately throughout the dark layers and rarely in the pale intervals.

Core Photo


1090C-7H 50.3-59.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
FORAMINIFER OOZE WITH DIATOM BEARING FORAMINIFER NANNOFOSSIL OOZE
The dominant lithology is a very pale/ cream FORAMINIFER OOZE with rare interbeds of gray DIATOM BEARING FORAMINIFER NANNOFOSSIL OOZE with some mud. A thin (2 cm) bed of foraminiferal sand with lithic fragments above an irregular scoured contact occurs in Section 5, 83 cm. Foraminiferal sand with lithic grains also occurs at the base of Section 6.

Core Photo

1090C-8H 59.8-69.3 mbsf



NANNOFOSSIL OOZE, TEPHRA SEQUENCE, MUD-BEARING and MUD NANNOFOSSIL OOZE

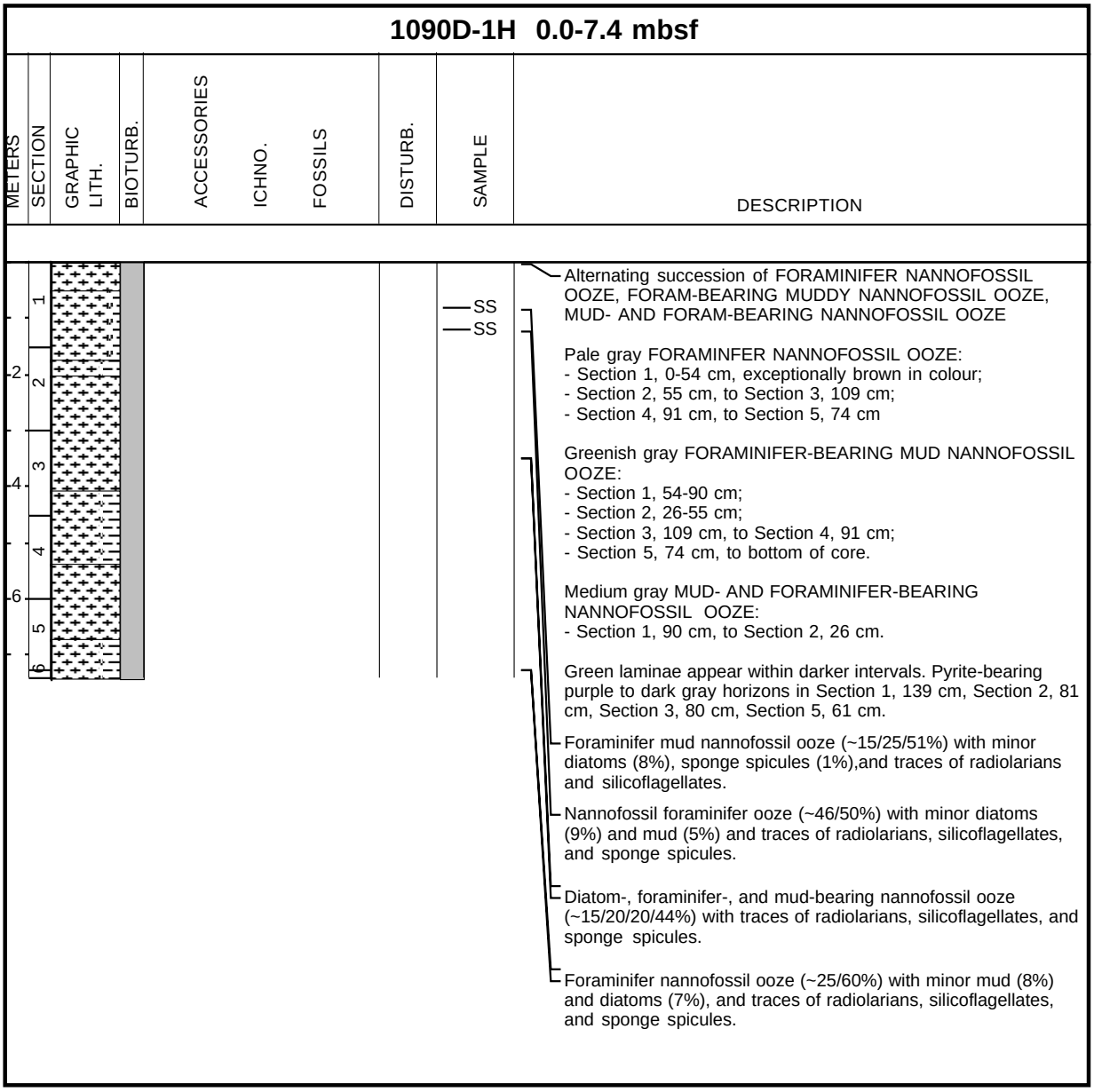
Section 1 to section 2, 76 cm, very pale reddish NANNOFOSSIL OOZE containing one altered manganese nodule, 3 cm in diameter, in section 1at 109 cm.

Section 2, 76-124 cm, reddish brown MUD-BEARING NANNOFOSSIL OOZE.

Section 2, 124 cm, to section 3, 44 cm, intercalated TEPHRA SEQUENCE consisting mainly of vitric ash with greenish brown glass shards . At its base the sequence commences above a sharp erosional contact with a graded 14 cm thick unit. Sand-sized ash particles with subordinate foraminifers make up the lower 10 cm thick black part of this unit. The upper 4 cm of this unit consists of fine-grained hemipelagic biogenic and lithogenic particles. The basal unit is overlain by several medium gray to black laminates (section 3, 3-33 cm), containing ash components and hemipelagic particles in varying proportions and revealing internal graded bedding, respectively. A strongly bioturbated black ash layer with patches of reddish brown nannofossil ooze occupies the 28 cm thick top layer of the tephra sequence. Graded bedding within the individual ash layers of the tephra sequence suggests reworking and deposition of ash together with hemipelagic particles by turbidity currents.

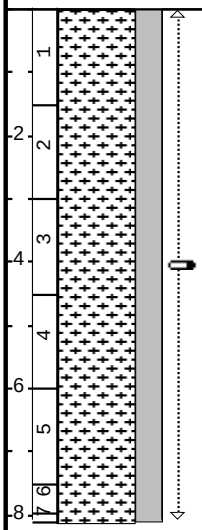
An alternating succession of reddish brown MUD-BEARING NANNOFOSSIL OOZE interbedded with dark reddish brown MUD NANNOFOSSIL OOZE constitutes the lower part of the core. Burrows are common and give these sediments a mottled appearance.

Core Photo


1090D-1H 0.0-7.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
Alternating succession of FORAMINIFER NANNOFOSSIL OOZE, FORAM-BEARING MUDDY NANNOFOSSIL OOZE, MUD- AND FORAM-BEARING NANNOFOSSIL OOZE
Pale gray FORAMINFER NANNOFOSSIL OOZE:
- Section 1, 0-54 cm, exceptionally brown in colour;
- Section 2, 55 cm, to Section 3, 109 cm;
- Section 4, 91 cm, to Section 5, 74 cm
Greenish gray FORAMINIFER-BEARING MUD NANNOFOSSIL OOZE:
- Section 1, 54-90 cm;
- Section 2, 26-55 cm;
- Section 3, 109 cm, to Section 4, 91 cm;
- Section 5, 74 cm, to bottom of core.
Medium gray MUD- AND FORAMINIFER-BEARING NANNOFOSSIL OOZE:
- Section 1, 90 cm, to Section 2, 26 cm.
Green laminae appear within darker intervals. Pyrite-bearing purple to dark gray horizons in Section 1, 139 cm, Section 2, 81 cm, Section 3, 80 cm, Section 5, 61 cm.
Foraminifer mud nannofossil ooze (~15/25/51%) with minor diatoms (8%), sponge spicules (1%),and traces of radiolarians and silicoflagellates.
Nannofossil foraminifer ooze (~46/50%) with minor diatoms (9%) and mud (5%) and traces of radiolarians, silicoflagellates, and sponge spicules.
Diatom-, foraminifer-, and mud-bearing nannofossil ooze (~15/20/20/44%) with traces of radiolarians, silicoflagellates, and sponge spicules.
Foraminifer nannofossil ooze (~25/60%) with minor mud (8%) and diatoms (7%), and traces of radiolarians, silicoflagellates, and sponge spicules.

Core Photo

1090D-2H 7.4-16.9 mbsf

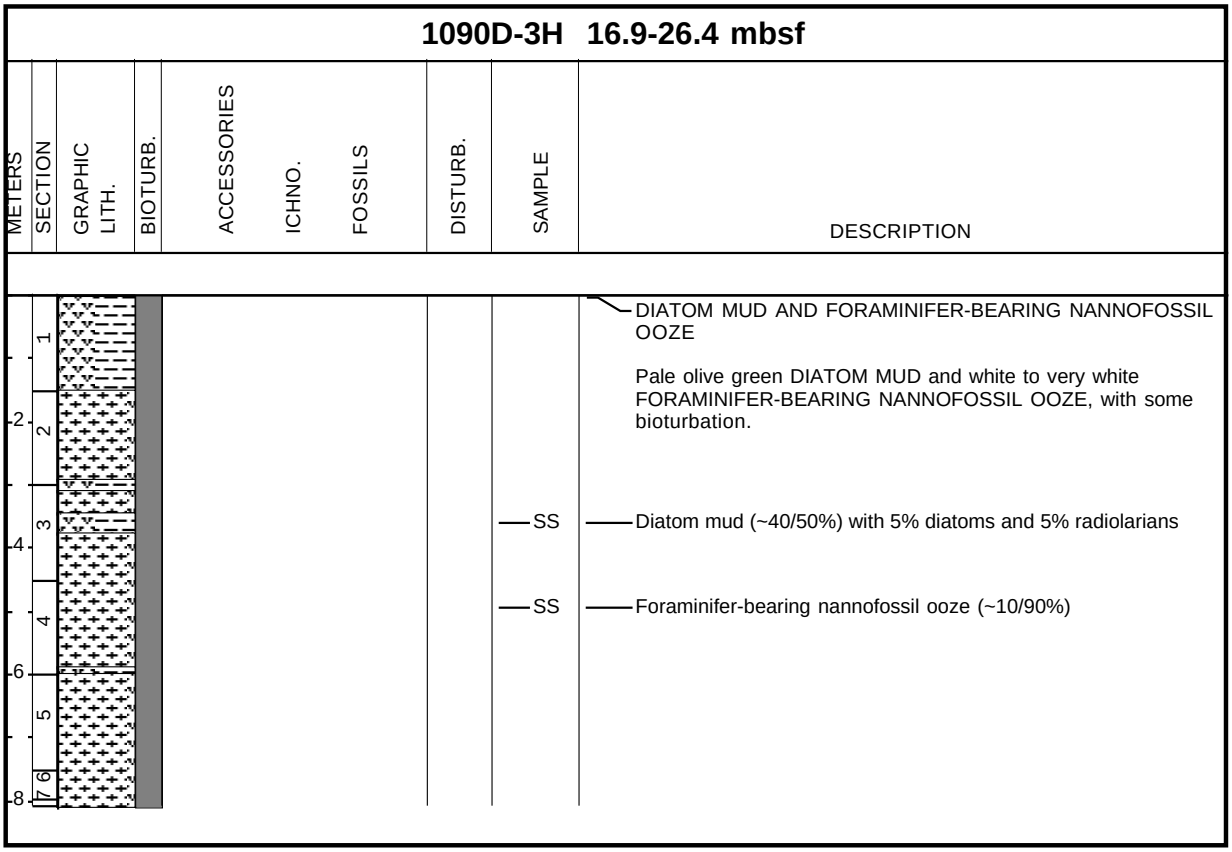


FORAMINIFER NANNOFOSSIL OOZE and NANNOFOSSIL OOZE

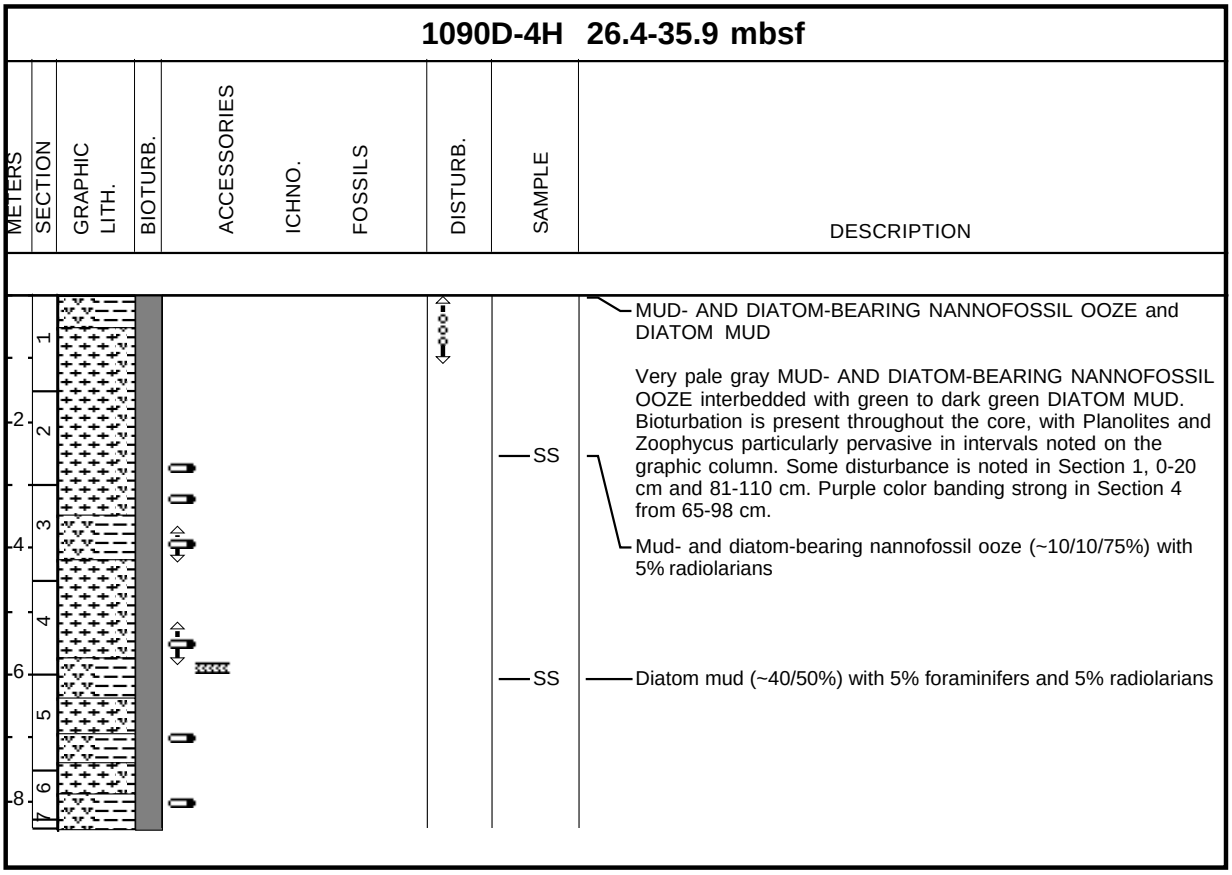
The lithology alternates between dark greenish-gray NANNOFOSSIL OOZE and very pale gray-to-white FORAMINIFER NANNOFOSSIL OOZE. To Section 1, 101 cm dark greenish-gray NANNOFOSSIL OOZE is seen. From there to Section 3, 57 cm very pale gray-to-white FORAMINIFER NANNOFOSSIL OOZE occurs. Dark greenish-gray NANNOFOSSIL OOZE occurs to Section 4, 59 cm. Again very pale gray-to-white FORAMINIFER NANNOFOSSIL OOZE is seen to Section 5, 91 cm. Dark greenish-gray NANNOFOSSIL OOZE occurs to Section 6, 26 cm. Section 6, 26 cm to CC shows very pale gray-to-white FORAMINIFER NANNOFOSSIL OOZE.

Occassional purple and green layers are present throughout the core. Two particularly thick purple layers occur at Section 3, 18-20 cm and at Section 5, 60-62 cm. The sediments are soupy to a depth of 13 cm. Slight burrowing is seen throughout the core length.

Core Photo


1090D-3H 16.9-26.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
2
4
6
8
1
2
3
4
5
6
7
SS
SS
DIATOM MUD AND FORAMINIFER-BEARING NANNOFOSSIL OOZE
Pale olive green DIATOM MUD and white to very white FORAMINIFER-BEARING NANNOFOSSIL OOZE, with some bioturbation.
Diatom mud (~40/50%) with 5% diatoms and 5% radiolarians
Foraminifer-bearing nannofossil ooze (~10/90%)

Core Photo


1090D-4H 26.4-35.9 mbsf
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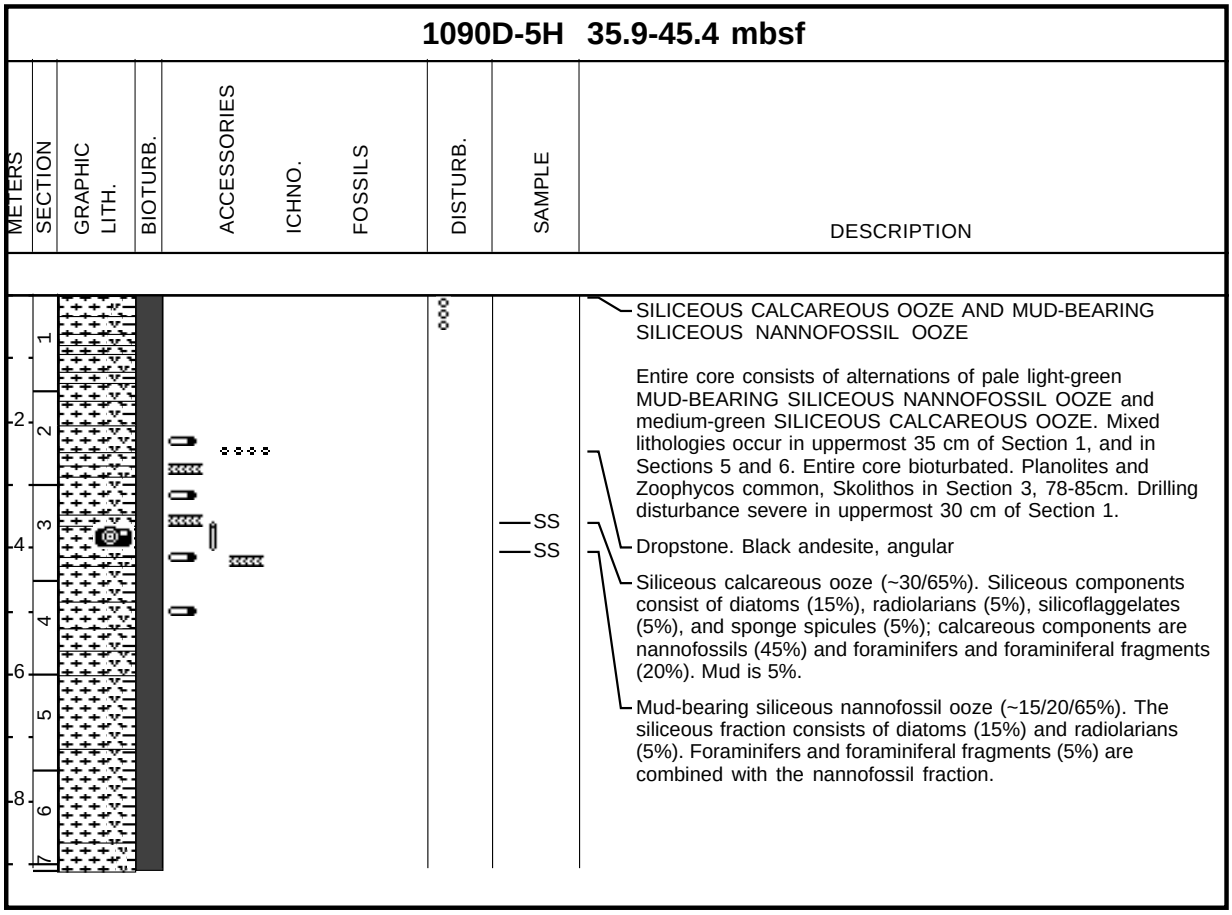
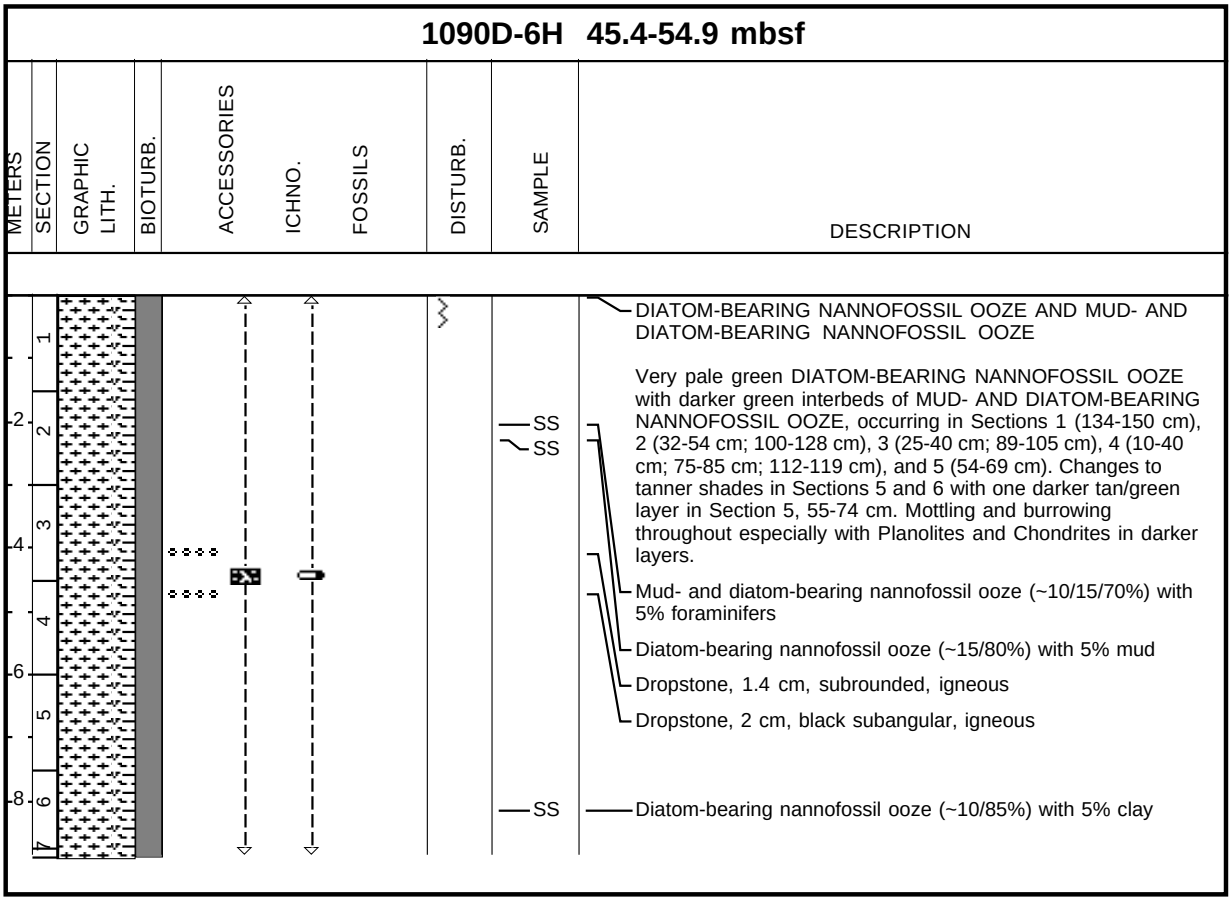
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE and DIATOM MUD
Very pale gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE interbedded with green to dark green DIATOM MUD. Bioturbation is present throughout the core, with Planolites and Zoophycus particularly pervasive in intervals noted on the graphic column. Some disturbance is noted in Section 1, 0-20 cm and 81-110 cm. Purple color banding strong in Section 4 from 65-98 cm.
Mud- and diatom-bearing nannofossil ooze (~10/10/75%) with 5% radiolarians
Diatom mud (~40/50%) with 5% foraminifers and 5% radiolarians

Core Photo


1090D-5H 35.9-45.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SILICEOUS CALCAREOUS OOZE AND MUD-BEARING SILICEOUS NANNOFOSSIL OOZE
Entire core consists of alternations of pale light-green MUD-BEARING SILICEOUS NANNOFOSSIL OOZE and medium-green SILICEOUS CALCAREOUS OOZE. Mixed lithologies occur in uppermost 35 cm of Section 1, and in Sections 5 and 6. Entire core bioturbated. Planolites and Zoophycos common, Skolithos in Section 3, 78-85cm. Drilling disturbance severe in uppermost 30 cm of Section 1.
Dropstone. Black andesite, angular
Siliceous calcareous ooze (~30/65%). Siliceous components consist of diatoms (15%), radiolarians (5%), silicoflaggelates (5%), and sponge spicules (5%); calcareous components are nannofossils (45%) and foraminifers and foraminiferal fragments (20%). Mud is 5%.
Mud-bearing siliceous nannofossil ooze (~15/20/65%). The siliceous fraction consists of diatoms (15%) and radiolarians (5%). Foraminifers and foraminiferal fragments (5%) are combined with the nannofossil fraction.

Core Photo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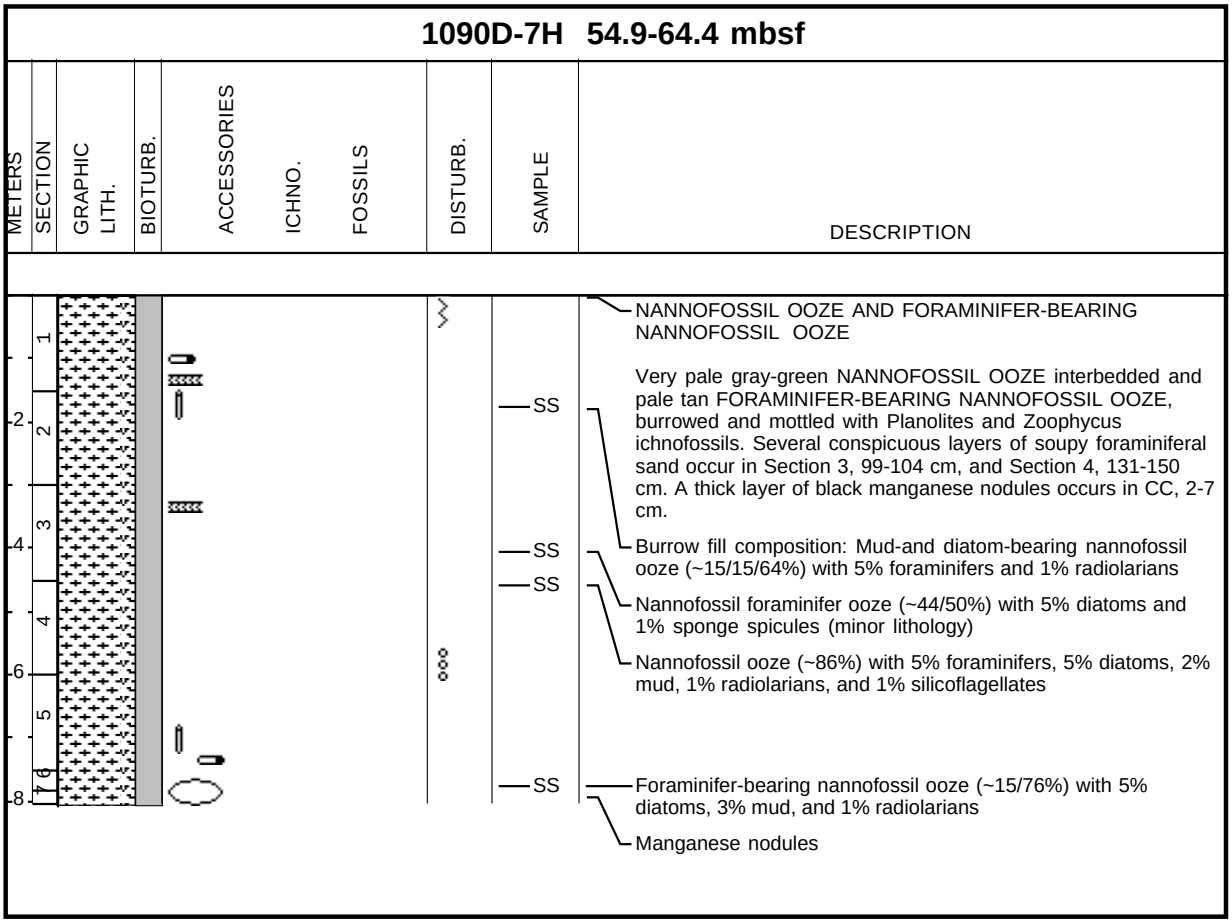
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM-BEARING NANNOFOSSIL OOZE AND MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE
Very pale green DIATOM-BEARING NANNOFOSSIL OOZE with darker green interbeds of MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE, occurring in Sections 1 (134-150 cm), 2 (32-54 cm; 100-128 cm), 3 (25-40 cm; 89-105 cm), 4 (10-40 cm; 75-85 cm; 112-119 cm), and 5 (54-69 cm). Changes to tanner shades in Sections 5 and 6 with one darker tan/green layer in Section 5, 55-74 cm. Mottling and burrowing throughout especially with Planolites and Chondrites in darker layers.
Mud- and diatom-bearing nannofossil ooze (~10/15/70%) with 5% foraminifers
Diatom-bearing nannofossil ooze (~15/80%) with 5% mud
Dropstone, 1.4 cm, subrounded, igneous
Dropstone, 2 cm, black subangular, igneous
Diatom-bearing nannofossil ooze (~10/85%) with 5% clay

Core Photo


1090D-7H 54.9-64.4 mbsf
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SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
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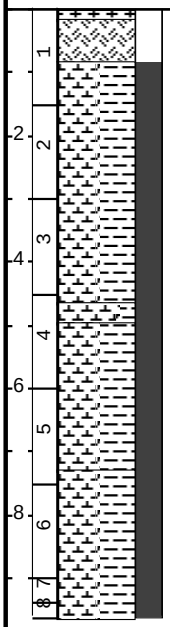
SS
SS
NANNOFOSSIL OOZE AND FORAMINIFER-BEARING NANNOFOSSIL OOZE
Very pale gray-green NANNOFOSSIL OOZE interbedded and pale tan FORAMINIFER-BEARING NANNOFOSSIL OOZE, burrowed and mottled with Planolites and Zoophycus ichnofossils. Several conspicuous layers of soupy foraminiferal sand occur in Section 3, 99-104 cm, and Section 4, 131-150 cm. A thick layer of black manganese nodules occurs in CC, 2-7 cm.
Burrow fill composition: Mud-and diatom-bearing nannofossil ooze (~15/15/64%) with 5% foraminifers and 1% radiolarians
Nannofossil foraminifer ooze (~44/50%) with 5% diatoms and 1% sponge spicules (minor lithology)
Nannofossil ooze (~86%) with 5% foraminifers, 5% diatoms, 2% mud, 1% radiolarians, and 1% silicoflagellates
Foraminifer-bearing nannofossil ooze (~15/76%) with 5% diatoms, 3% mud, and 1% radiolarians
Manganese nodules

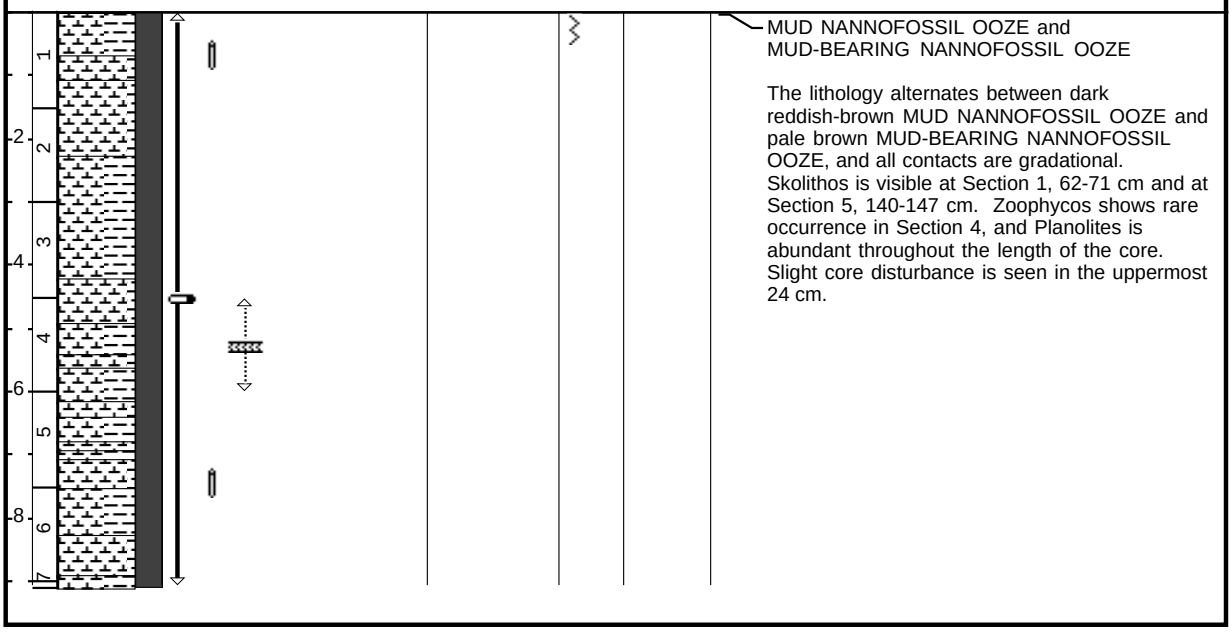
Core Photo

1090D-8H 64.4-73.9 mbsf

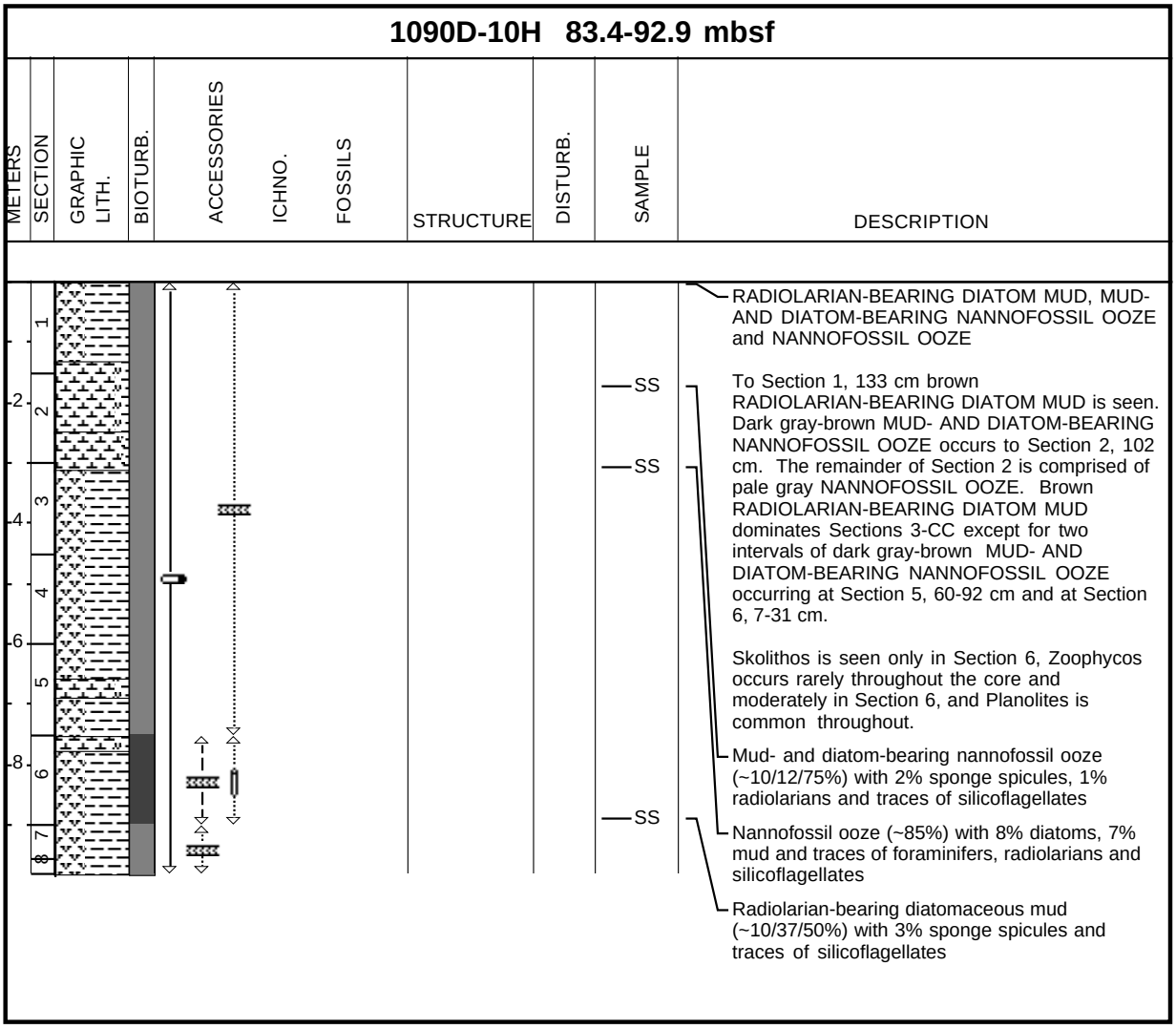


Core Photo

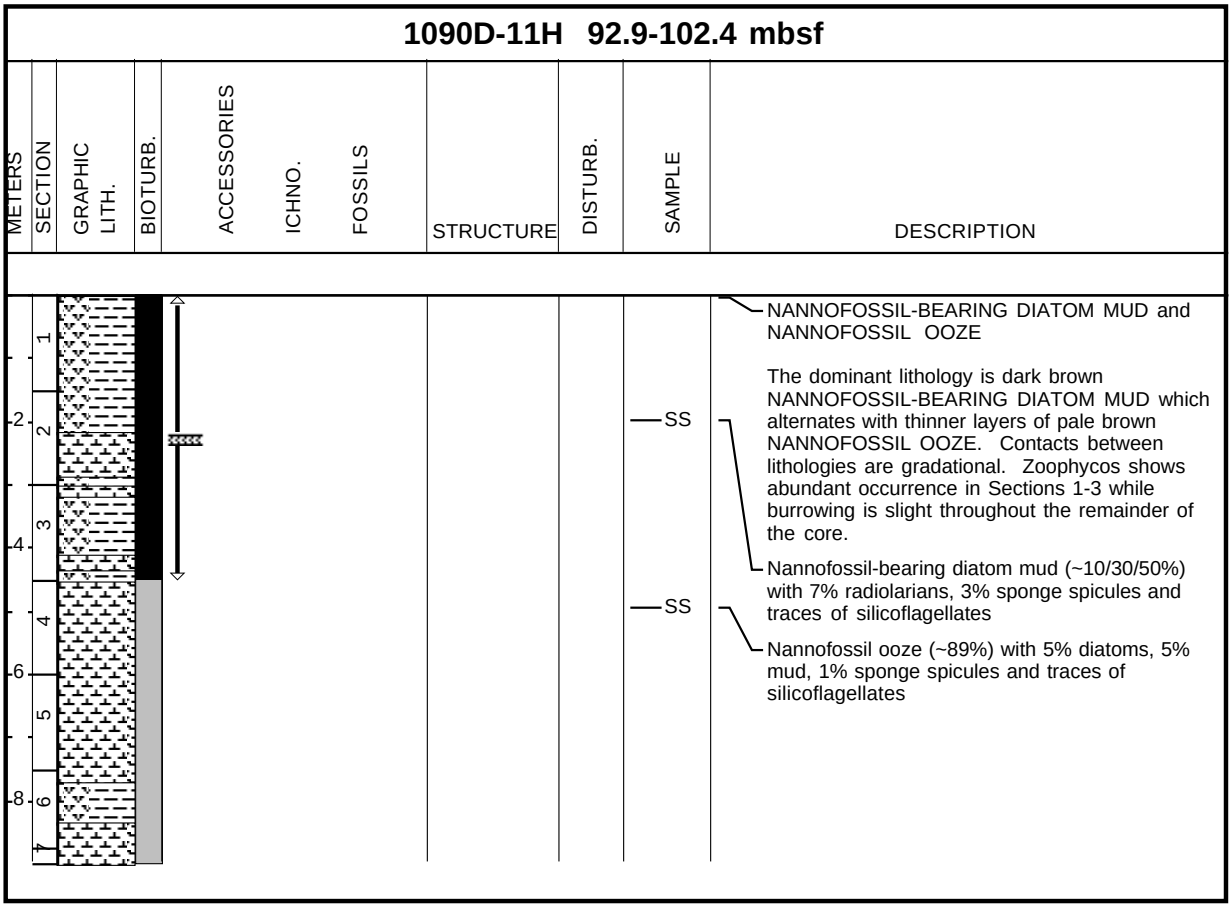
1090D-9H 73.9-83.4 mbsf



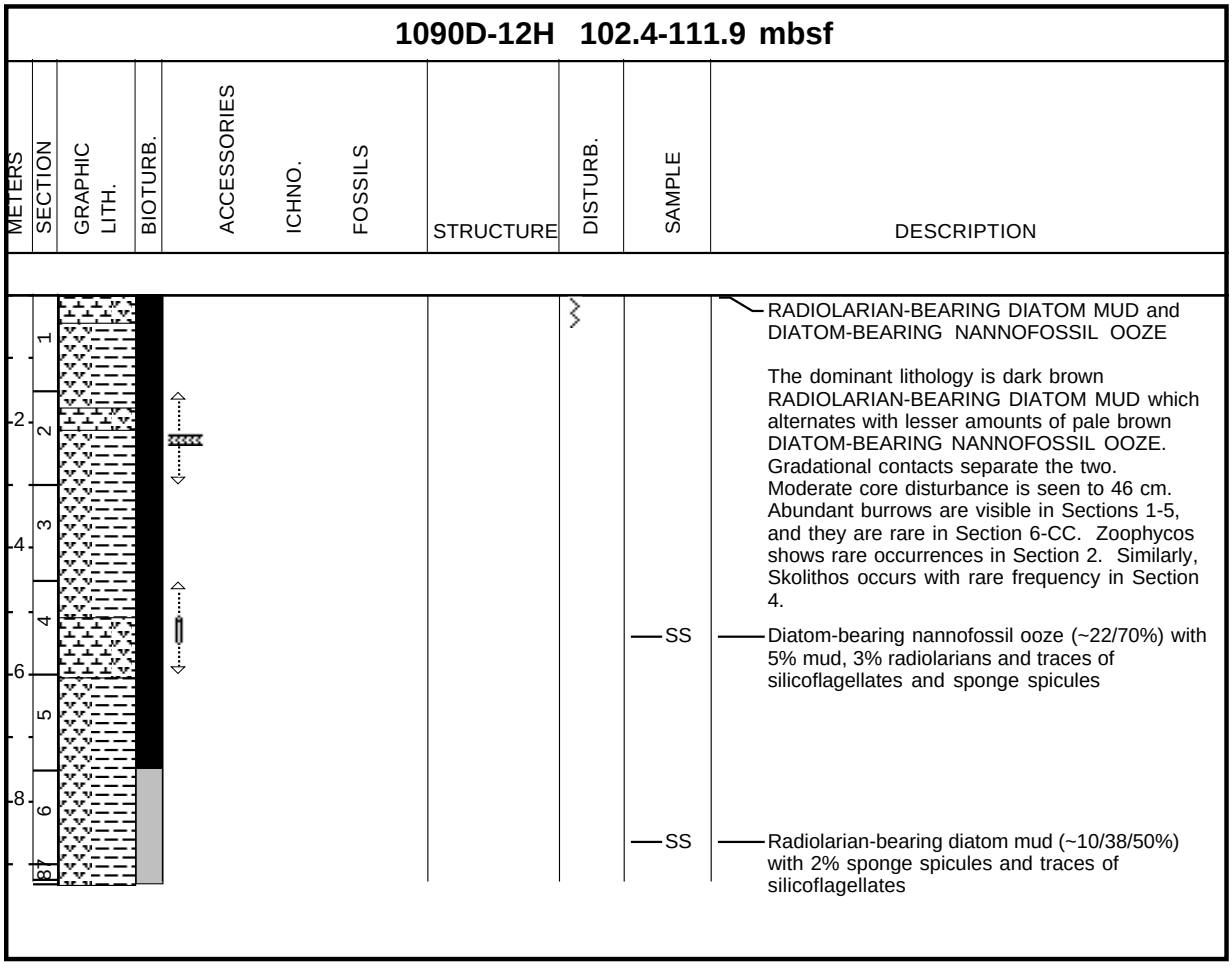
Core Photo


1090D-10H 83.4-92.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
RADIOLARIAN-BEARING DIATOM MUD, MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL OOZE
To Section 1, 133 cm brown RADIOLARIAN-BEARING DIATOM MUD is seen. Dark gray-brown MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE occurs to Section 2, 102 cm. The remainder of Section 2 is comprised of pale gray NANNOFOSSIL OOZE. Brown RADIOLARIAN-BEARING DIATOM MUD dominates Sections 3-CC except for two intervals of dark gray-brown MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE occurring at Section 5, 60-92 cm and at Section 6, 7-31 cm.
Skolithos is seen only in Section 6, Zoophycos occurs rarely throughout the core and moderately in Section 6, and Planolites is common throughout.
Mud- and diatom-bearing nannofossil ooze (~10/12/75%) with 2% sponge spicules, 1% radiolarians and traces of silicoflagellates
Nannofossil ooze (~85%) with 8% diatoms, 7% mud and traces of foraminifers, radiolarians and silicoflagellates
Radiolarian-bearing diatomaceous mud (~10/37/50%) with 3% sponge spicules and traces of silicoflagellates

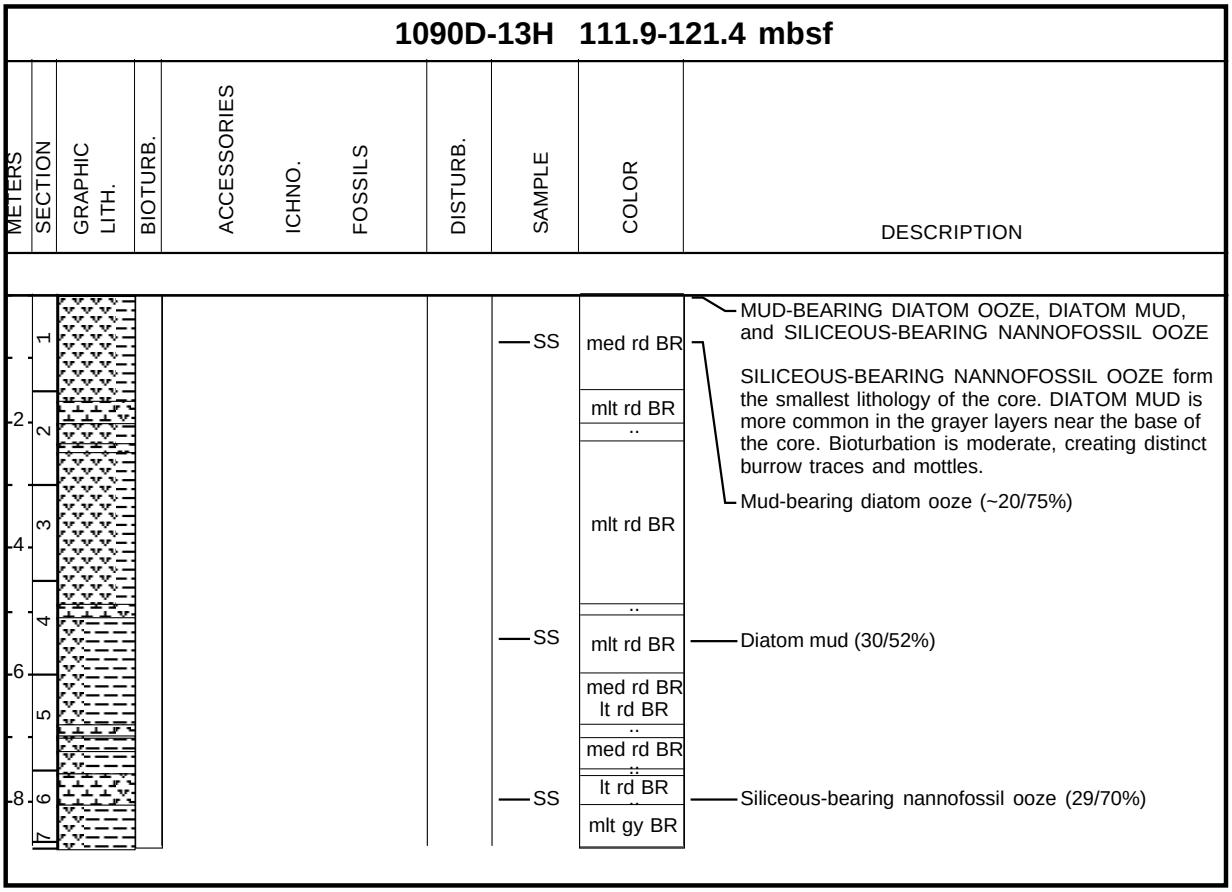
Core Photo


1090D-11H 92.9-102.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
NANNOFOSSIL-BEARING DIATOM MUD and NANNOFOSSIL OOZE
The dominant lithology is dark brown NANNOFOSSIL-BEARING DIATOM MUD which alternates with thinner layers of pale brown NANNOFOSSIL OOZE. Contacts between lithologies are gradational. Zoophycos shows abundant occurrence in Sections 1-3 while burrowing is slight throughout the remainder of the core.
Nannofossil-bearing diatom mud (~10/30/50%) with 7% radiolarians, 3% sponge spicules and traces of silicoflagellates
Nannofossil ooze (~89%) with 5% diatoms, 5% mud, 1% sponge spicules and traces of silicoflagellates

Core Photo


1090D-12H 102.4-111.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
RADIOLARIAN-BEARING DIATOM MUD and DIATOM-BEARING NANNOFOSSIL OOZE
The dominant lithology is dark brown RADIOLARIAN-BEARING DIATOM MUD which alternates with lesser amounts of pale brown DIATOM-BEARING NANNOFOSSIL OOZE. Gradational contacts separate the two. Moderate core disturbance is seen to 46 cm. Abundant burrows are visible in Sections 1-5, and they are rare in Section 6-CC. Zoophycos shows rare occurrences in Section 2. Similarly, Skolithos occurs with rare frequency in Section 4.
SS
Diatom-bearing nannofossil ooze (~22/70%) with 5% mud, 3% radiolarians and traces of silicoflagellates and sponge spicules
SS
Radiolarian-bearing diatom mud (~10/38/50%) with 2% sponge spicules and traces of silicoflagellates

Core Photo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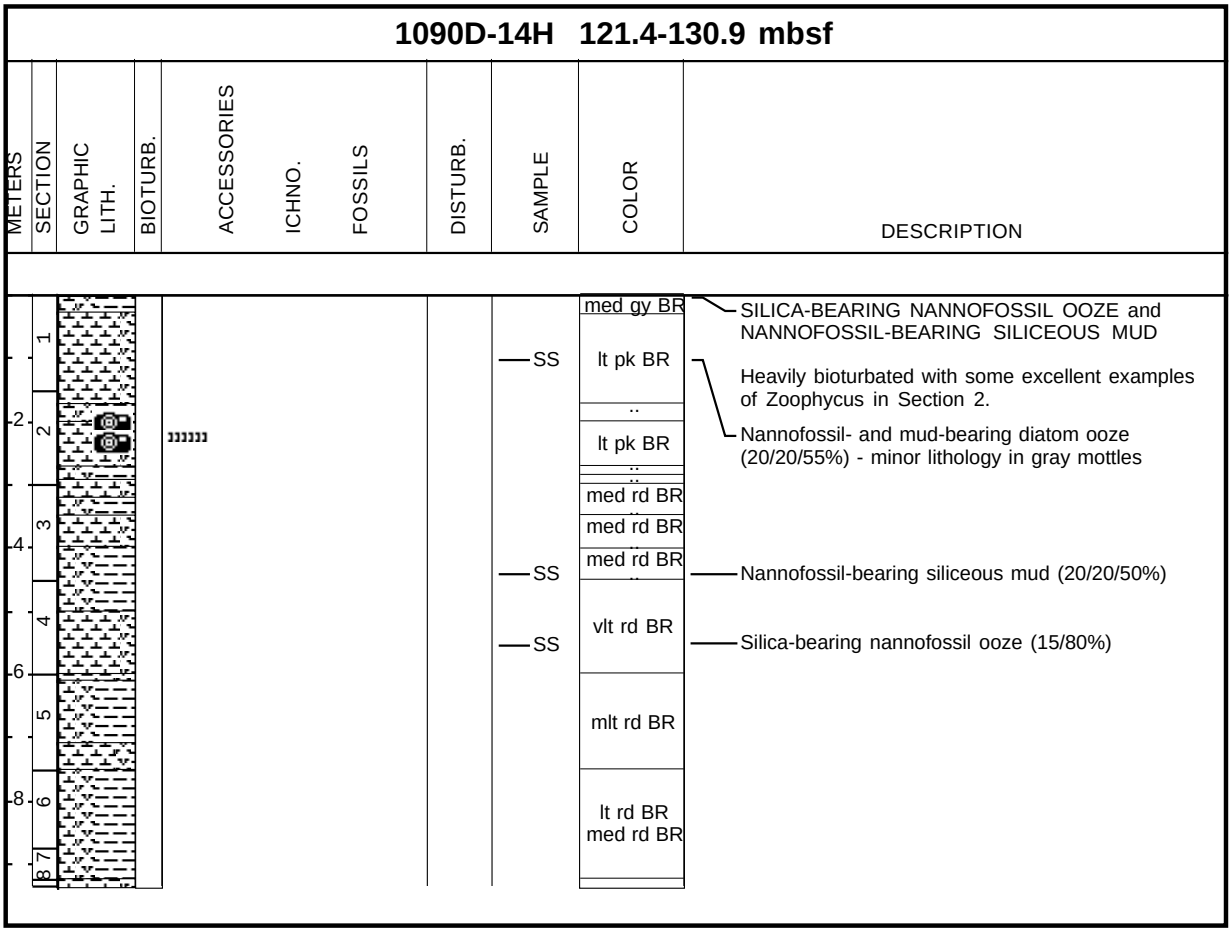
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
DESCRIPTION
SS
SS
SS
med rd BR
mlt rd BR
mlt rd BR
mlt rd BR
med rd BR
lt rd BR
med rd BR
lt rd BR
mlt gy BR
MUD-BEARING DIATOM OOZE, DIATOM MUD, and SILICEOUS-BEARING NANNOFOSSIL OOZE
SILICEOUS-BEARING NANNOFOSSIL OOZE form the smallest lithology of the core. DIATOM MUD is more common in the grayer layers near the base of the core. Bioturbation is moderate, creating distinct burrow traces and mottles.
Mud-bearing diatom ooze (~20/75%)
Diatom mud (30/52%)
Siliceous-bearing nannofossil ooze (29/70%)

Core Photo


1090D-14H 121.4-130.9 mbsf
METERS
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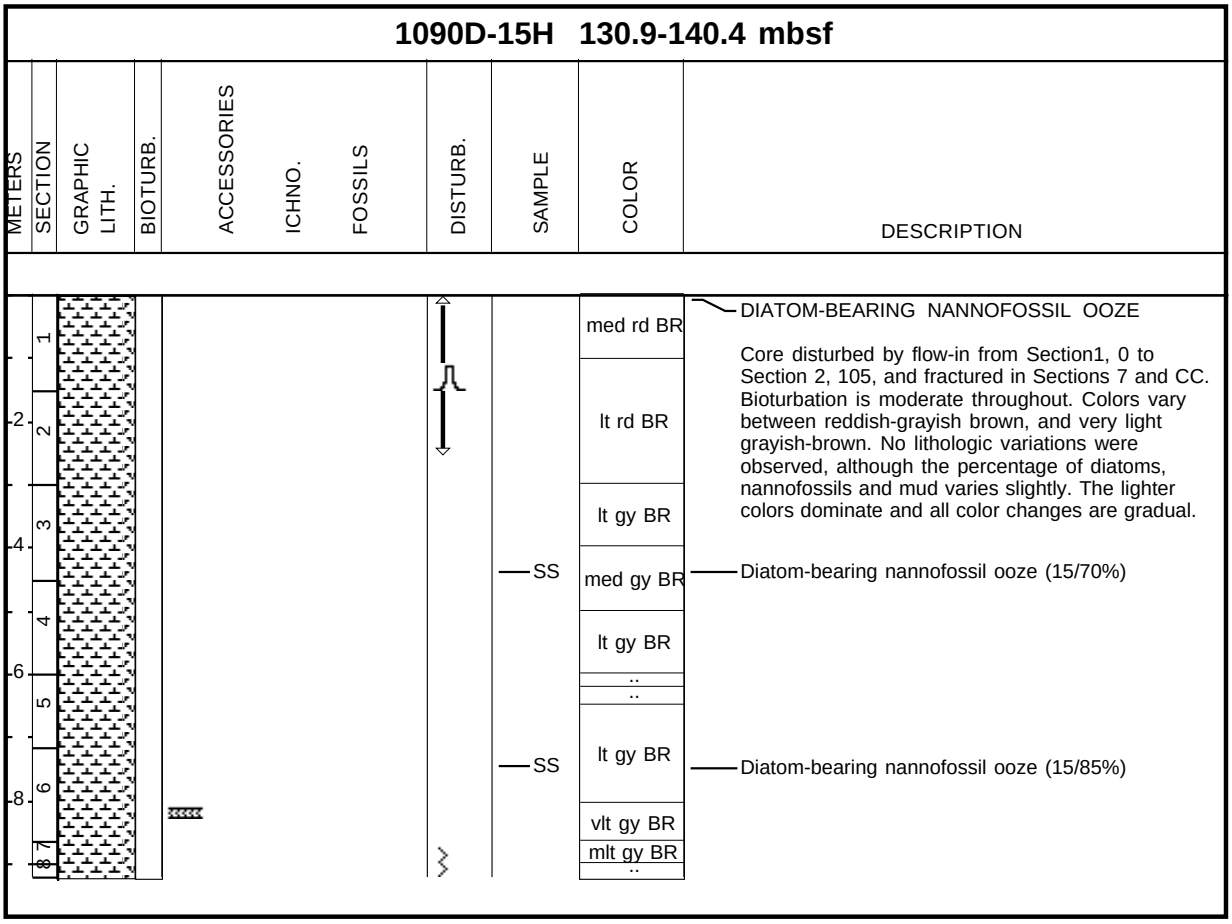
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
DESCRIPTION
med gy BR
lt pk BR
lt pk BR
med rd BR
med rd BR
med rd BR
vlt rd BR
mlt rd BR
lt rd BR
med rd BR
SS
SS
SS
SILICA-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL-BEARING SILICEOUS MUD
Heavily bioturbated with some excellent examples of Zoophycus in Section 2.
Nannofossil- and mud-bearing diatom ooze (20/20/55%) - minor lithology in gray mottles
Nannofossil-bearing siliceous mud (20/20/50%)
Silica-bearing nannofossil ooze (15/80%)

Core Photo


1090D-15H 130.9-140.4 mbsf
METERS
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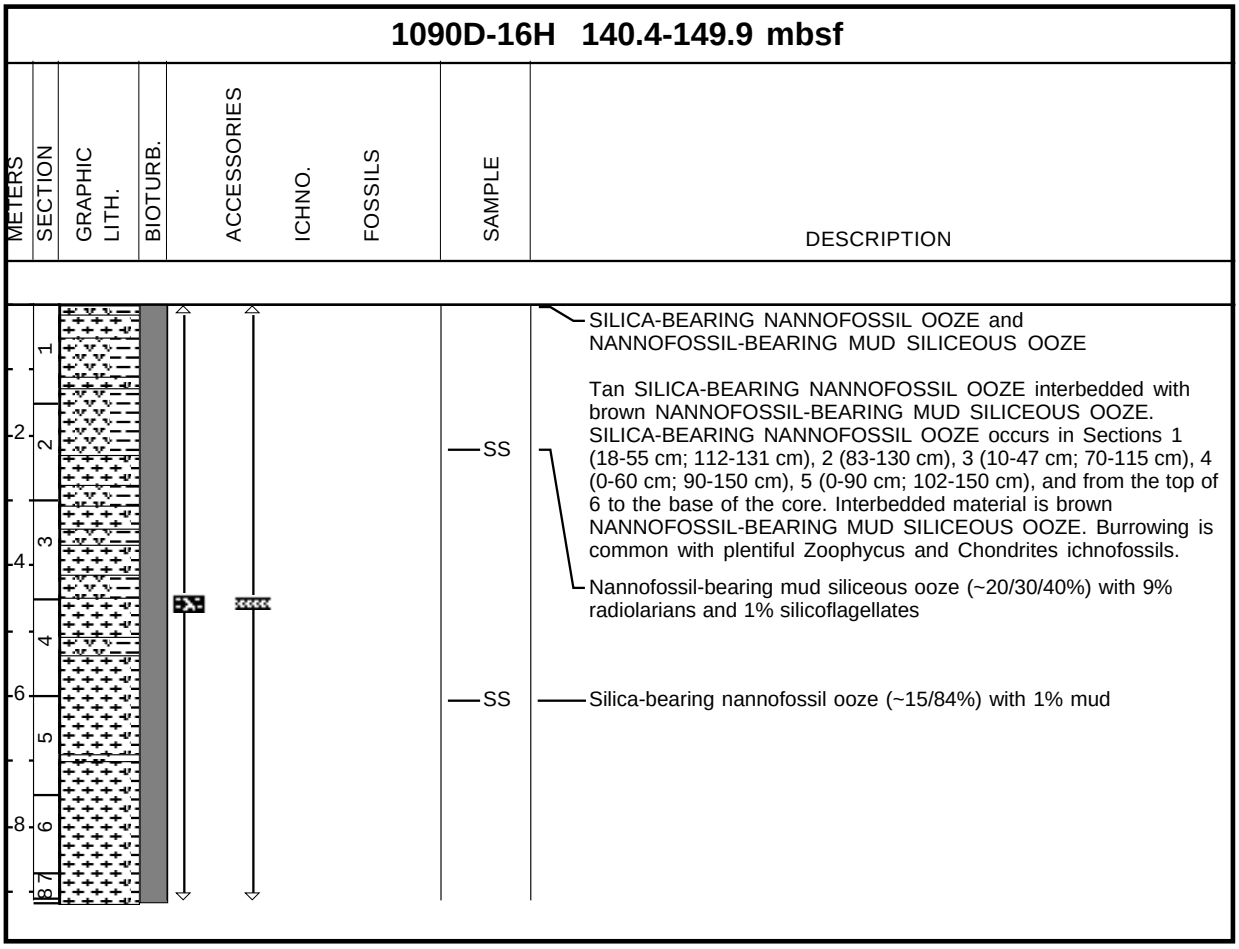
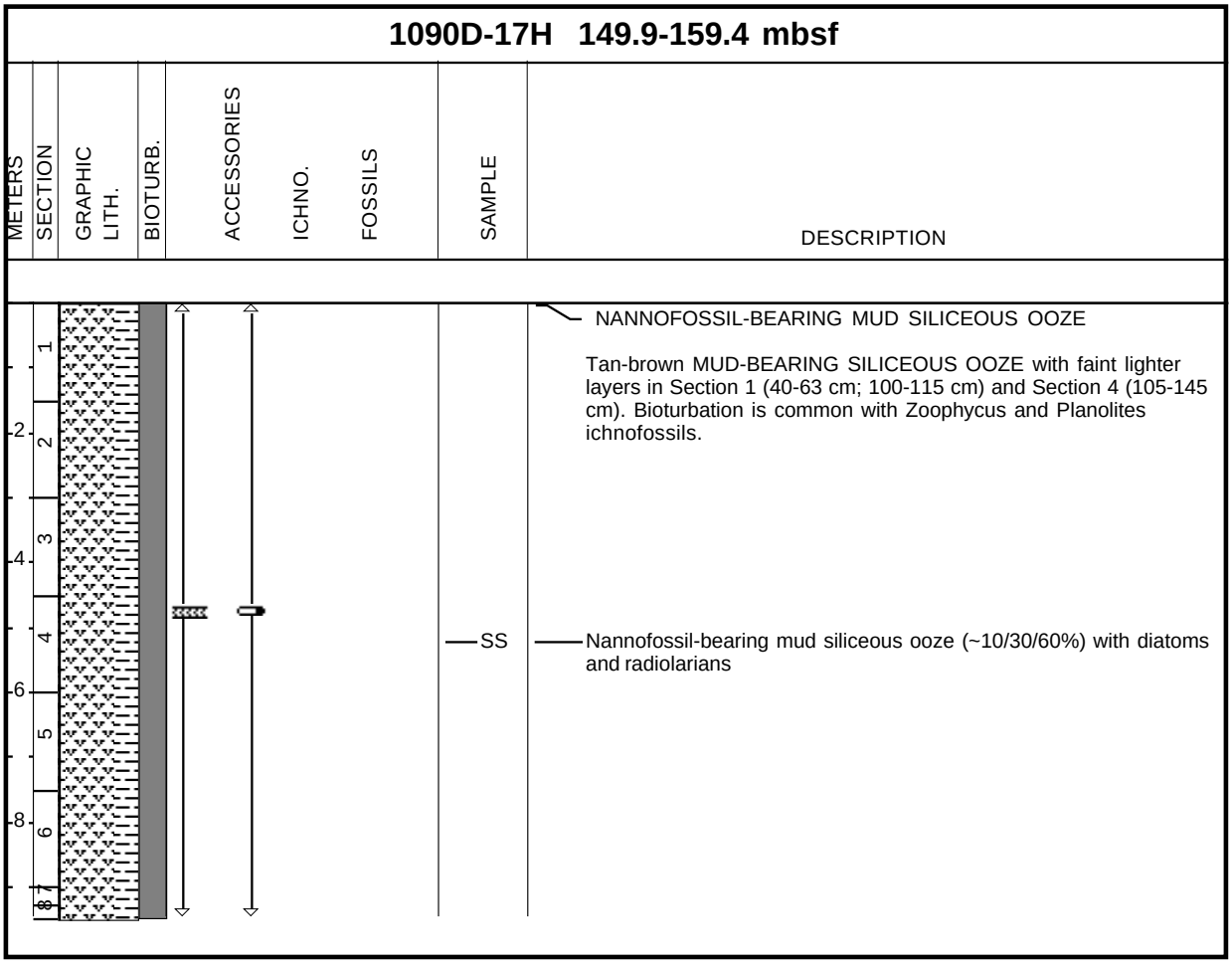
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
COLOR
DESCRIPTION
med rd BR
lt rd BR
lt gy BR
med gy BR
lt gy BR
lt gy BR
vlt gy BR
mlt gy BR
SS
SS
DIATOM-BEARING NANNOFOSSIL OOZE
Core disturbed by flow-in from Section1, 0 to Section 2, 105, and fractured in Sections 7 and CC. Bioturbation is moderate throughout. Colors vary between reddish-grayish brown, and very light grayish-brown. No lithologic variations were observed, although the percentage of diatoms, nannofossils and mud varies slightly. The lighter colors dominate and all color changes are gradual.
Diatom-bearing nannofossil ooze (15/70%)
Diatom-bearing nannofossil ooze (15/85%)

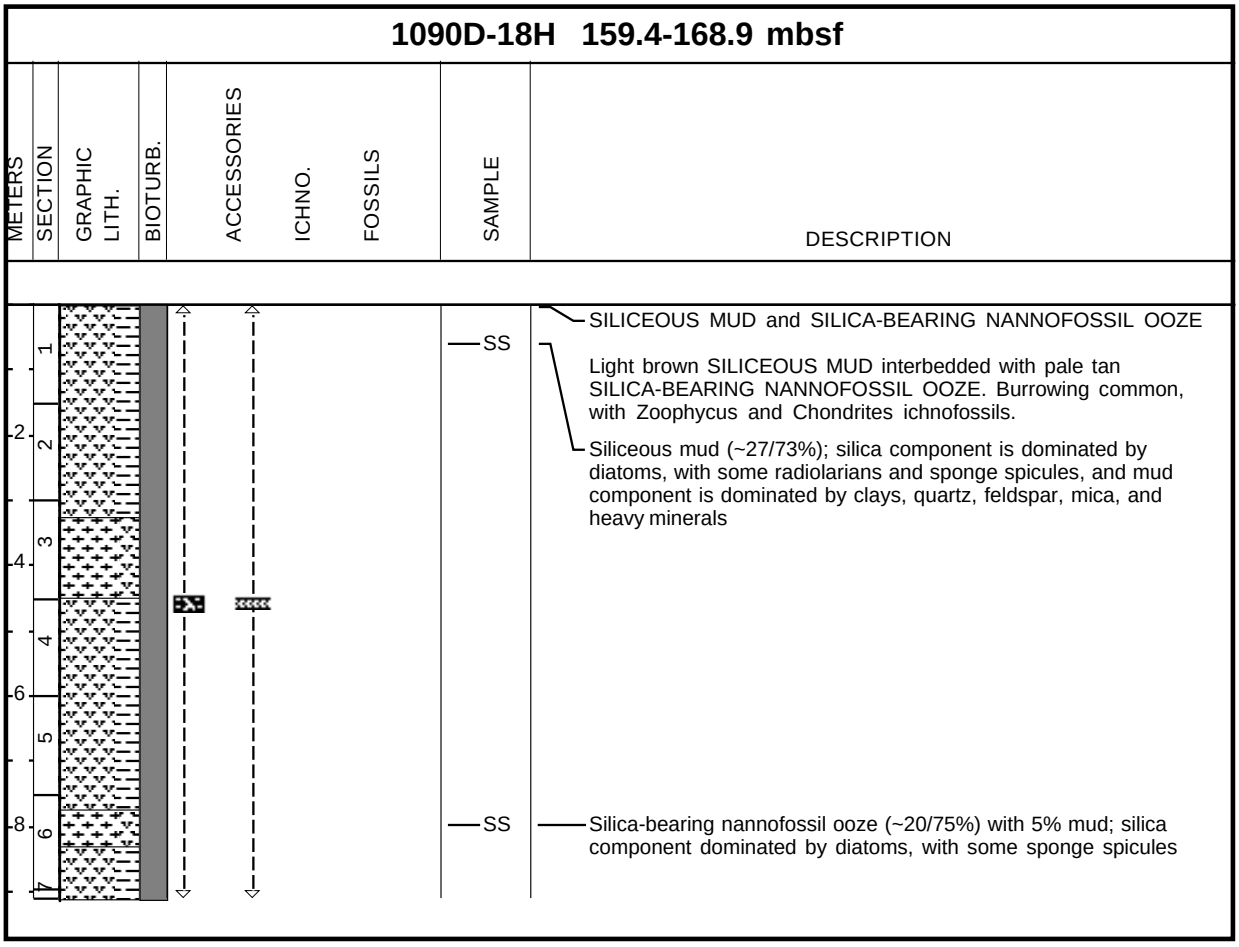
Core Photo


1090D-16H 140.4-149.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
SILICA-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL-BEARING MUD SILICEOUS OOZE
Tan SILICA-BEARING NANNOFOSSIL OOZE interbedded with brown NANNOFOSSIL-BEARING MUD SILICEOUS OOZE. SILICA-BEARING NANNOFOSSIL OOZE occurs in Sections 1 (18-55 cm; 112-131 cm), 2 (83-130 cm), 3 (10-47 cm; 70-115 cm), 4 (0-60 cm; 90-150 cm), 5 (0-90 cm; 102-150 cm), and from the top of 6 to the base of the core. Interbedded material is brown NANNOFOSSIL-BEARING MUD SILICEOUS OOZE. Burrowing is common with plentiful Zoophycus and Chondrites ichnofossils.
SS
Nannofossil-bearing mud siliceous ooze (~20/30/40%) with 9% radiolarians and 1% silicoflagellates
SS
Silica-bearing nannofossil ooze (~15/84%) with 1% mud
2
4
6
8
1
2
3
4
5
6
7

Core Photo


1090D-17H 149.9-159.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
NANNOFOSSIL-BEARING MUD SILICEOUS OOZE
Tan-brown MUD-BEARING SILICEOUS OOZE with faint lighter layers in Section 1 (40-63 cm; 100-115 cm) and Section 4 (105-145 cm). Bioturbation is common with Zoophycus and Planolites ichnofossils.
SS
Nannofossil-bearing mud siliceous ooze (~10/30/60%) with diatoms and radiolarians

Core Photo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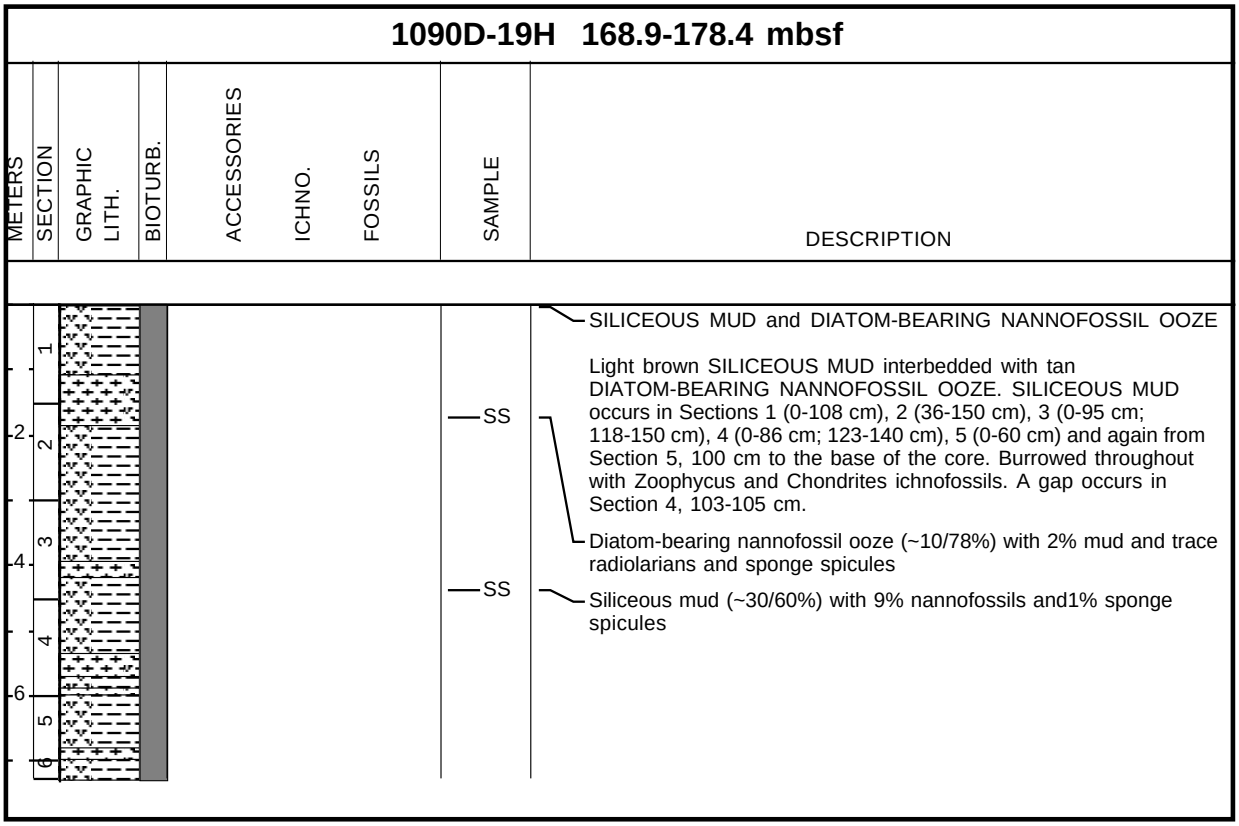
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
SILICEOUS MUD and SILICA-BEARING NANNOFOSSIL OOZE
SS
Light brown SILICEOUS MUD interbedded with pale tan SILICA-BEARING NANNOFOSSIL OOZE. Burrowing common, with Zoophycus and Chondrites ichnofossils.
Siliceous mud (~27/73%); silica component is dominated by diatoms, with some radiolarians and sponge spicules, and mud component is dominated by clays, quartz, feldspar, mica, and heavy minerals
SS
Silica-bearing nannofossil ooze (~20/75%) with 5% mud; silica component dominated by diatoms, with some sponge spicules

Core Photo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METERS
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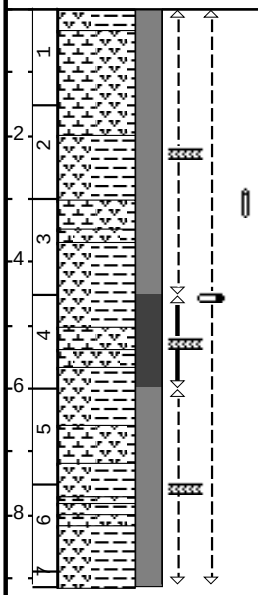
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
SILICEOUS MUD and DIATOM-BEARING NANNOFOSSIL OOZE
Light brown SILICEOUS MUD interbedded with tan DIATOM-BEARING NANNOFOSSIL OOZE. SILICEOUS MUD occurs in Sections 1 (0-108 cm), 2 (36-150 cm), 3 (0-95 cm; 118-150 cm), 4 (0-86 cm; 123-140 cm), 5 (0-60 cm) and again from Section 5, 100 cm to the base of the core. Burrowed throughout with Zoophycus and Chondrites ichnofossils. A gap occurs in Section 4, 103-105 cm.
SS
Diatom-bearing nannofossil ooze (~10/78%) with 2% mud and trace radiolarians and sponge spicules
SS
Siliceous mud (~30/60%) with 9% nannofossils and1% sponge spicules
2
4
6
1
2
3
4
5
6

Core Photo

1090D-20H 178.4-187.9 mbsf



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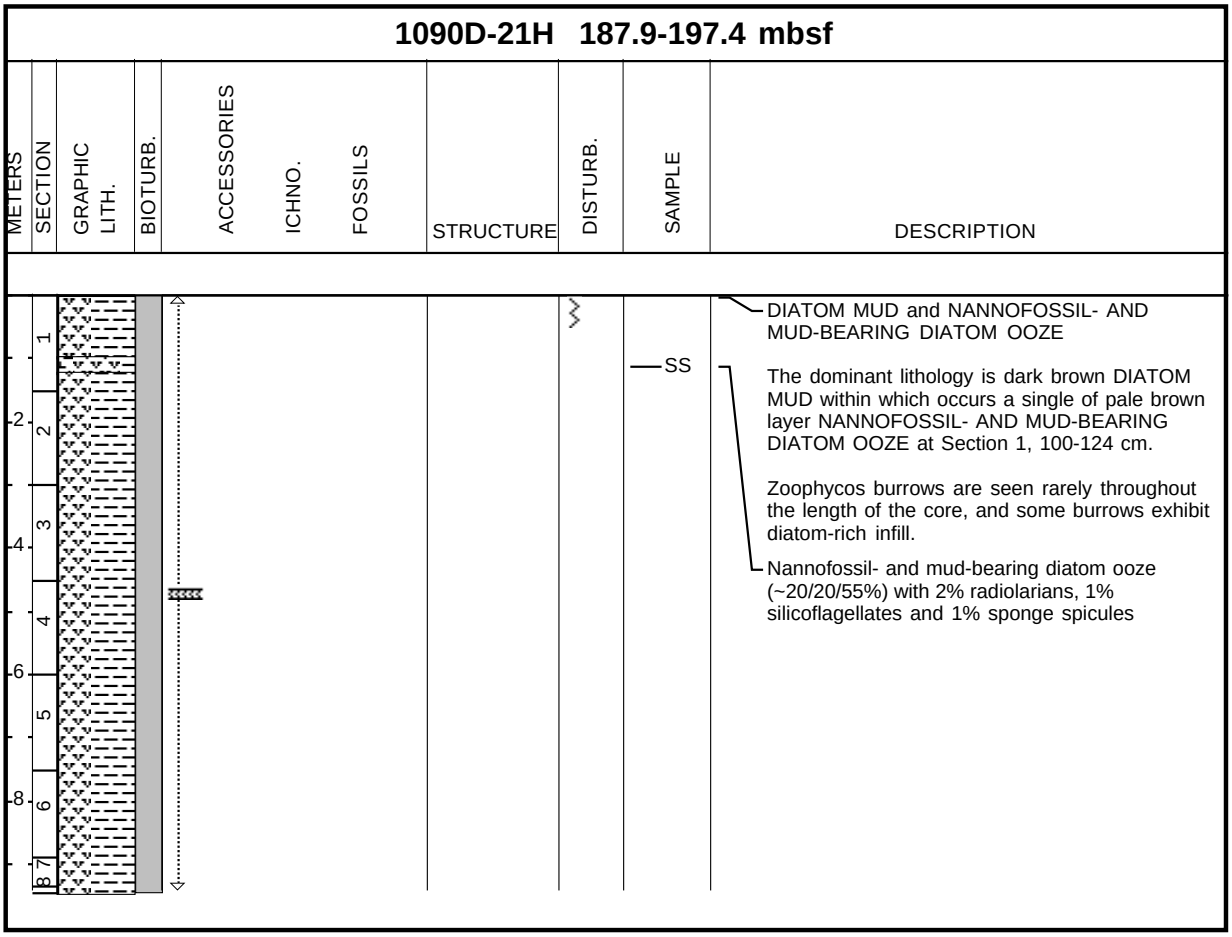
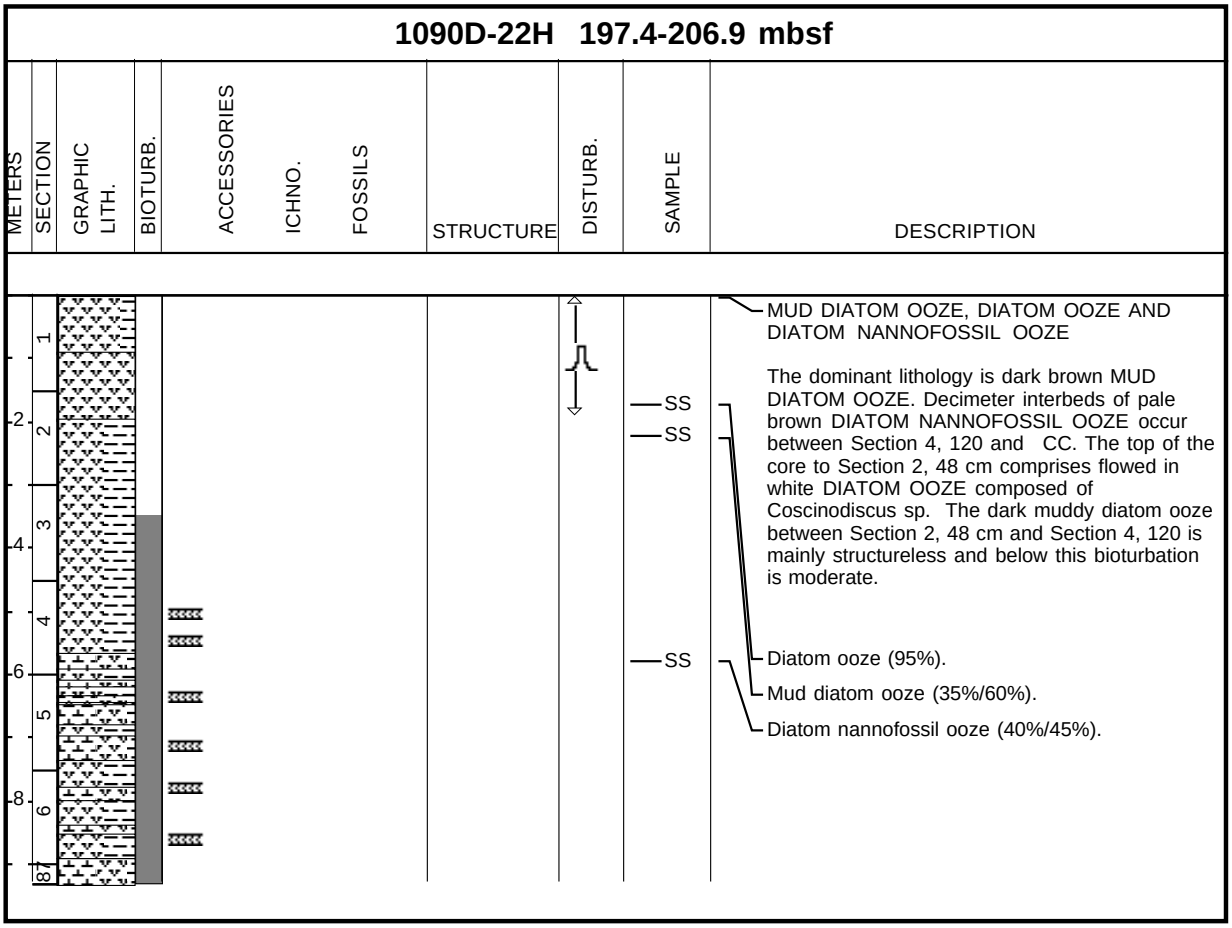

1090D-21H 187.9-197.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
DIATOM MUD and NANNOFOSSIL- AND MUD-BEARING DIATOM OOZE
The dominant lithology is dark brown DIATOM MUD within which occurs a single of pale brown layer NANNOFOSSIL- AND MUD-BEARING DIATOM OOZE at Section 1, 100-124 cm.
Zoophycos burrows are seen rarely throughout the length of the core, and some burrows exhibit diatom-rich infill.
Nannofossil- and mud-bearing diatom ooze (~20/20/55%) with 2% radiolarians, 1% silicoflagellates and 1% sponge spicules

Core Photo


1090D-22H 197.4-206.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
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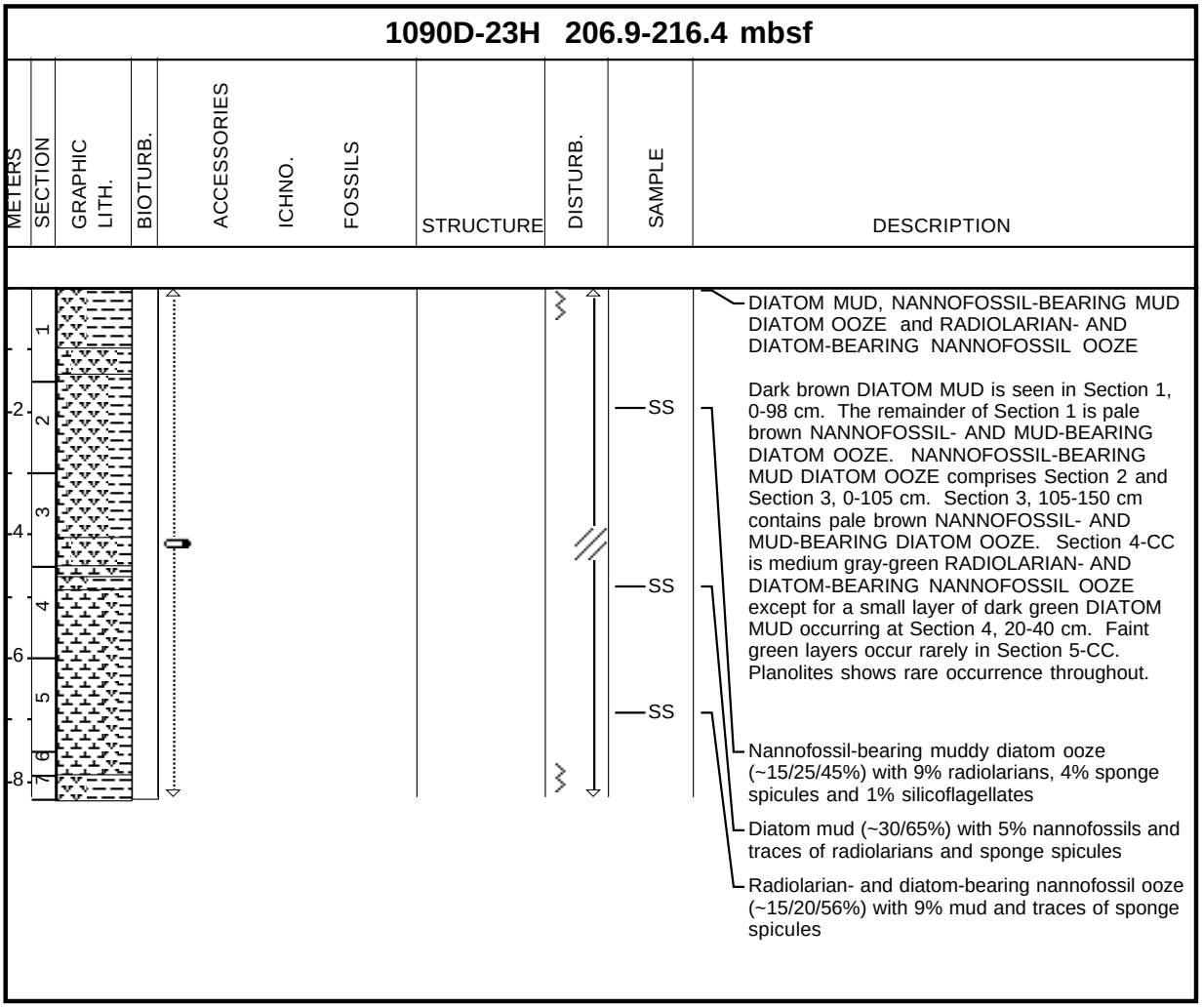
SS
MUD DIATOM OOZE, DIATOM OOZE AND DIATOM NANNOFOSSIL OOZE
The dominant lithology is dark brown MUD DIATOM OOZE. Decimeter interbeds of pale brown DIATOM NANNOFOSSIL OOZE occur between Section 4, 120 and CC. The top of the core to Section 2, 48 cm comprises flowed in white DIATOM OOZE composed of Coscinodiscus sp. The dark muddy diatom ooze between Section 2, 48 cm and Section 4, 120 is mainly structureless and below this bioturbation is moderate.
Diatom ooze (95%).
Mud diatom ooze (35%/60%).
Diatom nannofossil ooze (40%/45%).

Core Photo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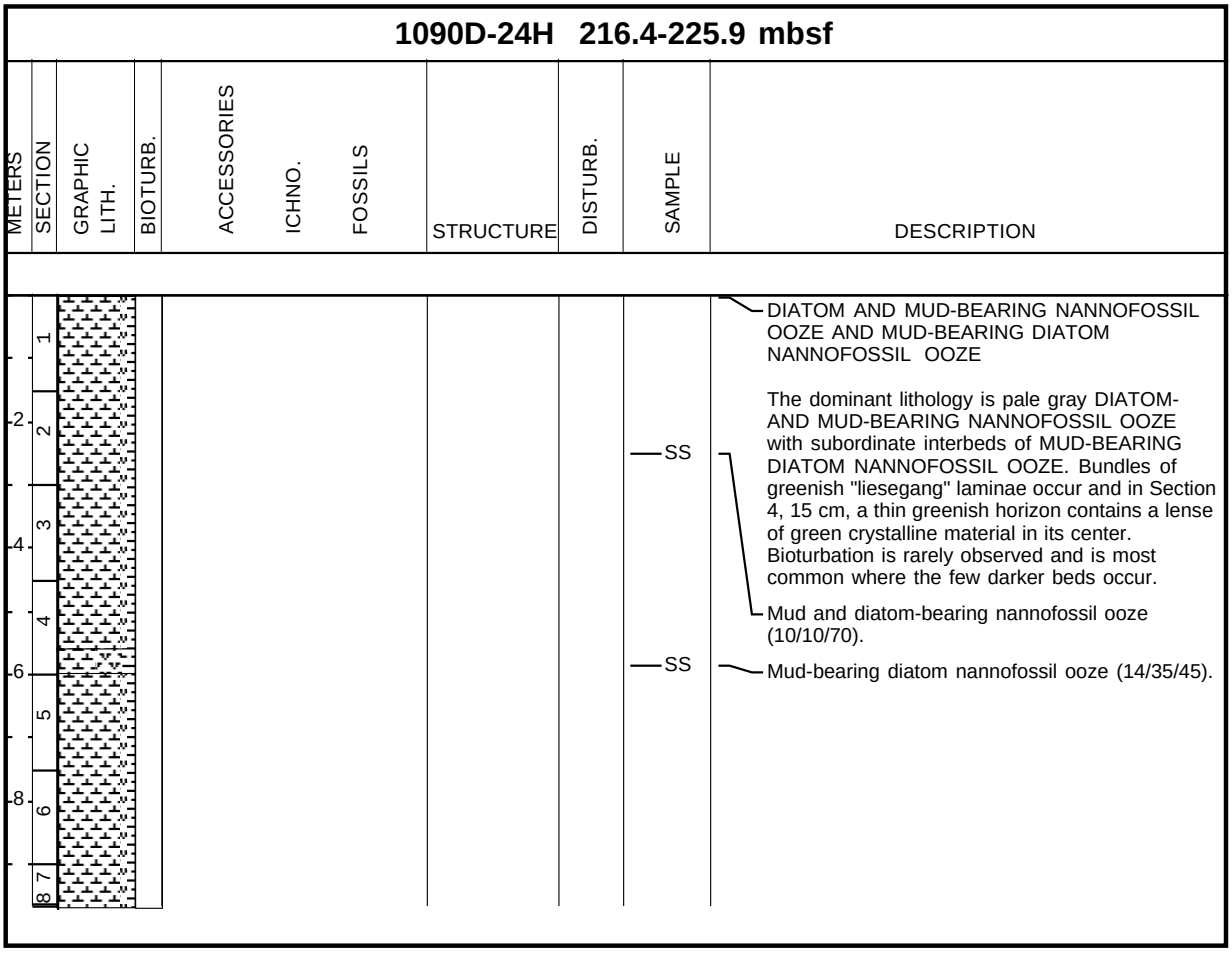
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM MUD, NANNOFOSSIL-BEARING MUD DIATOM OOZE and RADIOLARIAN- AND DIATOM-BEARING NANNOFOSSIL OOZE
Dark brown DIATOM MUD is seen in Section 1, 0-98 cm. The remainder of Section 1 is pale brown NANNOFOSSIL- AND MUD-BEARING DIATOM OOZE. NANNOFOSSIL-BEARING MUD DIATOM OOZE comprises Section 2 and Section 3, 0-105 cm. Section 3, 105-150 cm contains pale brown NANNOFOSSIL- AND MUD-BEARING DIATOM OOZE. Section 4-CC is medium gray-green RADIOLARIAN- AND DIATOM-BEARING NANNOFOSSIL OOZE except for a small layer of dark green DIATOM MUD occurring at Section 4, 20-40 cm. Faint green layers occur rarely in Section 5-CC. Planolites shows rare occurrence throughout.
Nannofossil-bearing muddy diatom ooze (~15/25/45%) with 9% radiolarians, 4% sponge spicules and 1% silicoflagellates
Diatom mud (~30/65%) with 5% nannofossils and traces of radiolarians and sponge spicules
Radiolarian- and diatom-bearing nannofossil ooze (~15/20/56%) with 9% mud and traces of sponge spicules

Core Photo


1090D-24H 216.4-225.9 mbsf
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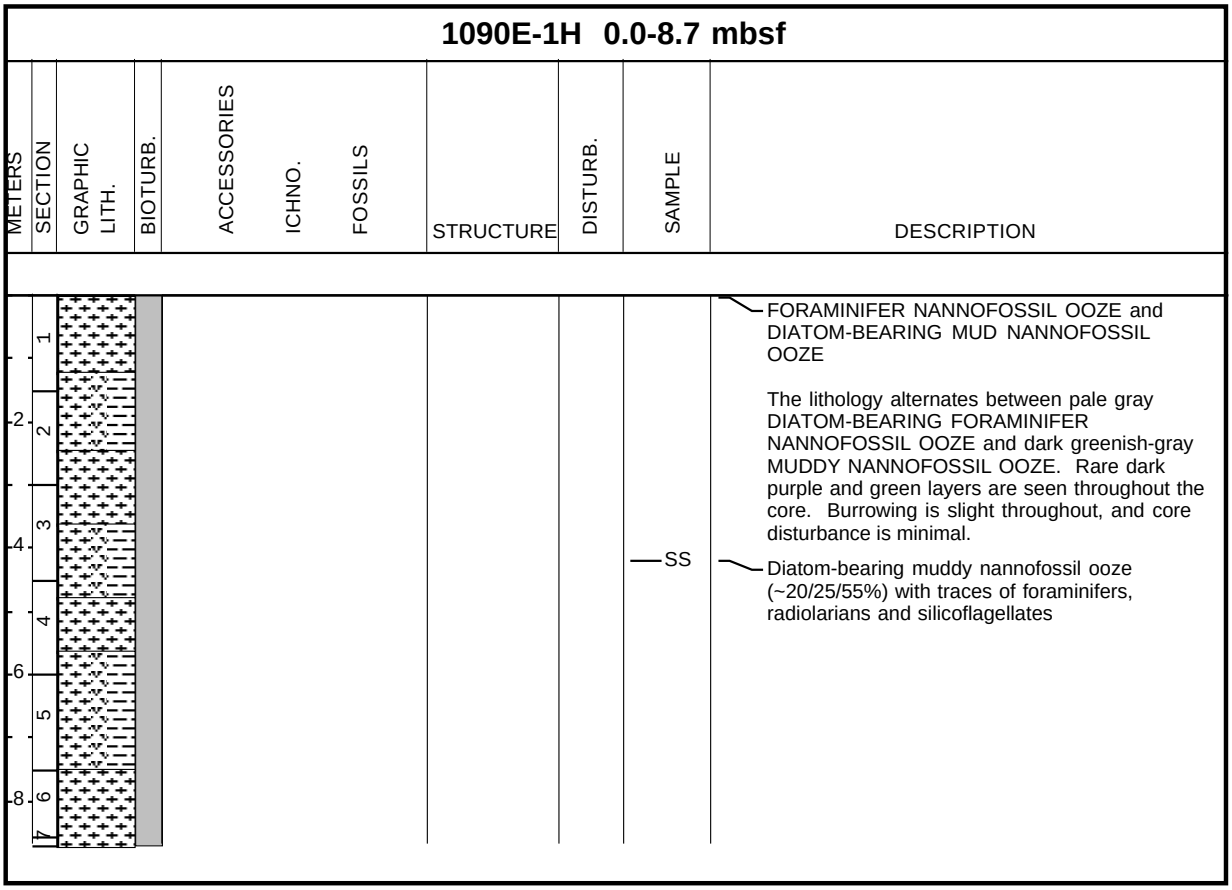
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
2
4
6
8
1
2
3
4
5
6
7
SS
SS
DIATOM AND MUD-BEARING NANNOFOSSIL OOZE AND MUD-BEARING DIATOM NANNOFOSSIL OOZE
The dominant lithology is pale gray DIATOM- AND MUD-BEARING NANNOFOSSIL OOZE with subordinate interbeds of MUD-BEARING DIATOM NANNOFOSSIL OOZE. Bundles of greenish "liesegang" laminae occur and in Section 4, 15 cm, a thin greenish horizon contains a lense of green crystalline material in its center. Bioturbation is rarely observed and is most common where the few darker beds occur.
Mud and diatom-bearing nannofossil ooze (10/10/70).
Mud-bearing diatom nannofossil ooze (14/35/45).

Core Photo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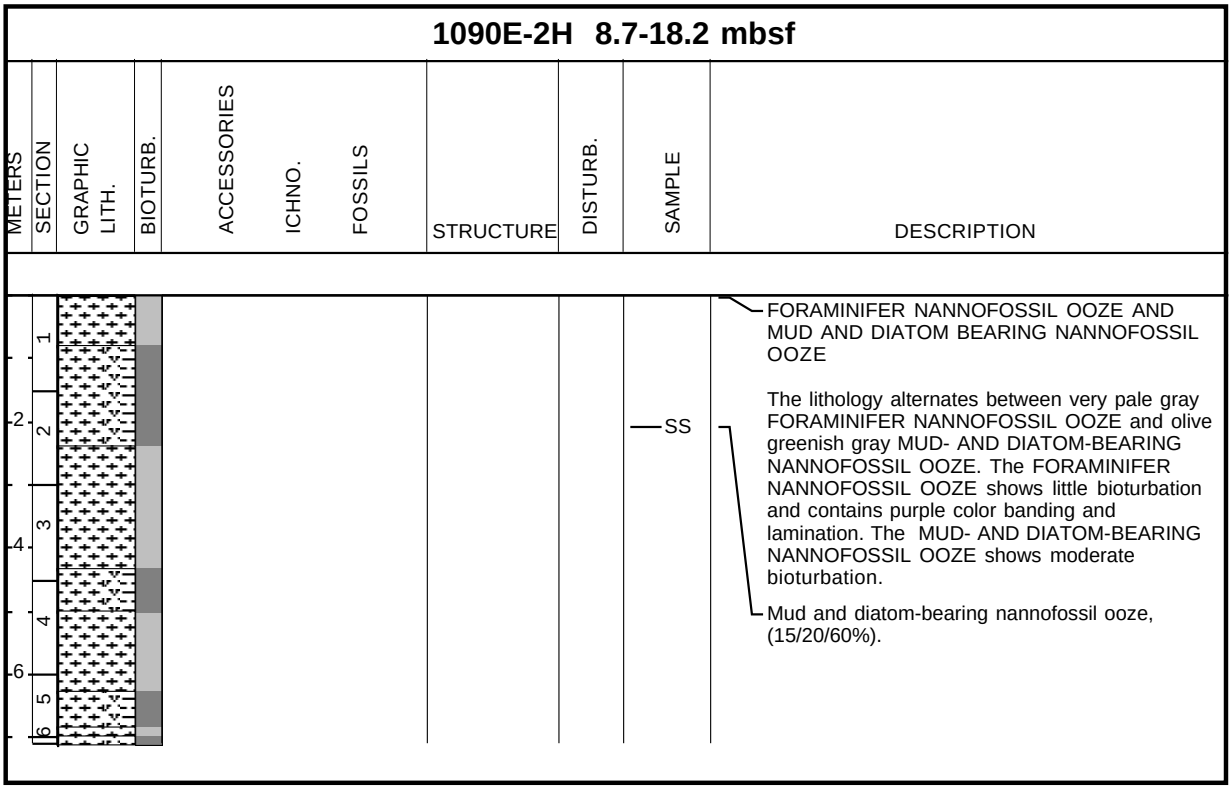
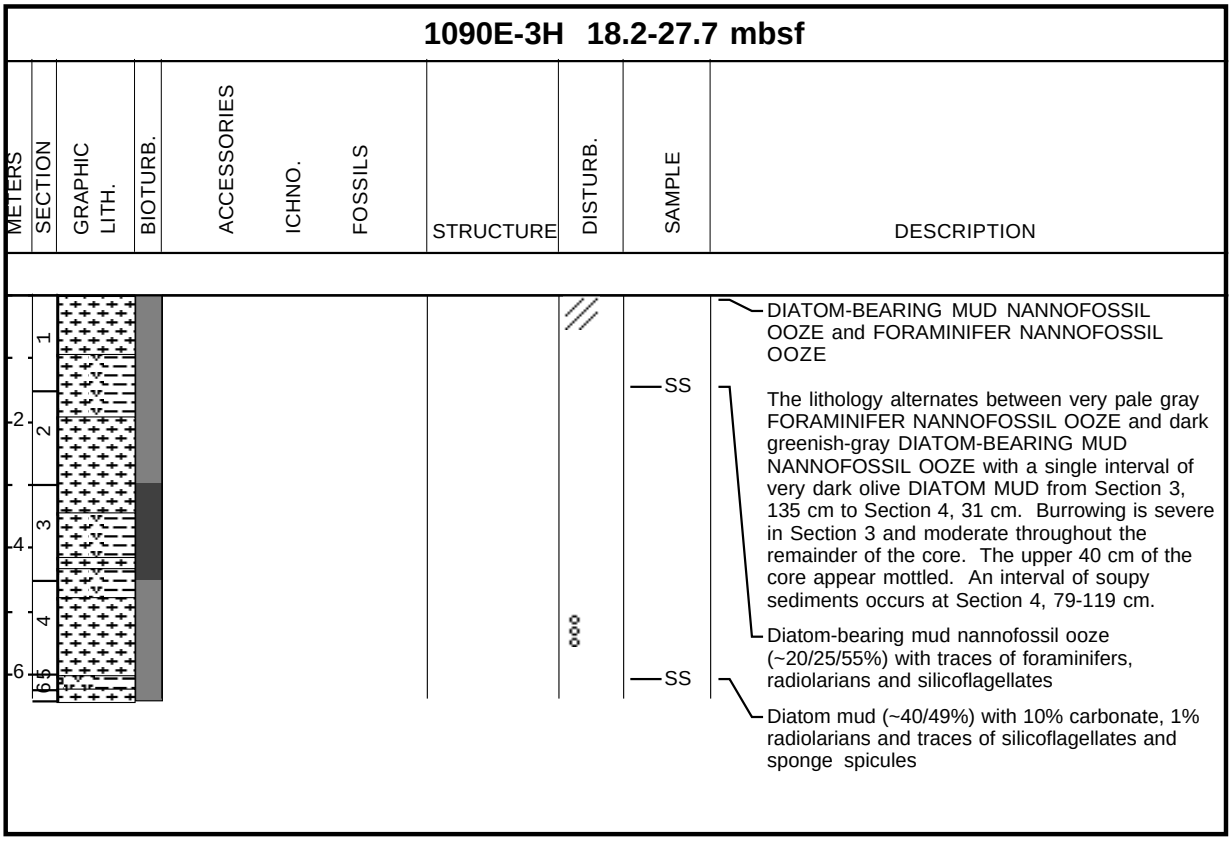
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
2
4
6
8
1
2
3
4
5
6
7
SS
FORAMINIFER NANNOFOSSIL OOZE and DIATOM-BEARING MUD NANNOFOSSIL OOZE
The lithology alternates between pale gray DIATOM-BEARING FORAMINIFER NANNOFOSSIL OOZE and dark greenish-gray MUDDY NANNOFOSSIL OOZE. Rare dark purple and green layers are seen throughout the core. Burrowing is slight throughout, and core disturbance is minimal.
Diatom-bearing muddy nannofossil ooze (~20/25/55%) with traces of foraminifers, radiolarians and silicoflagellates

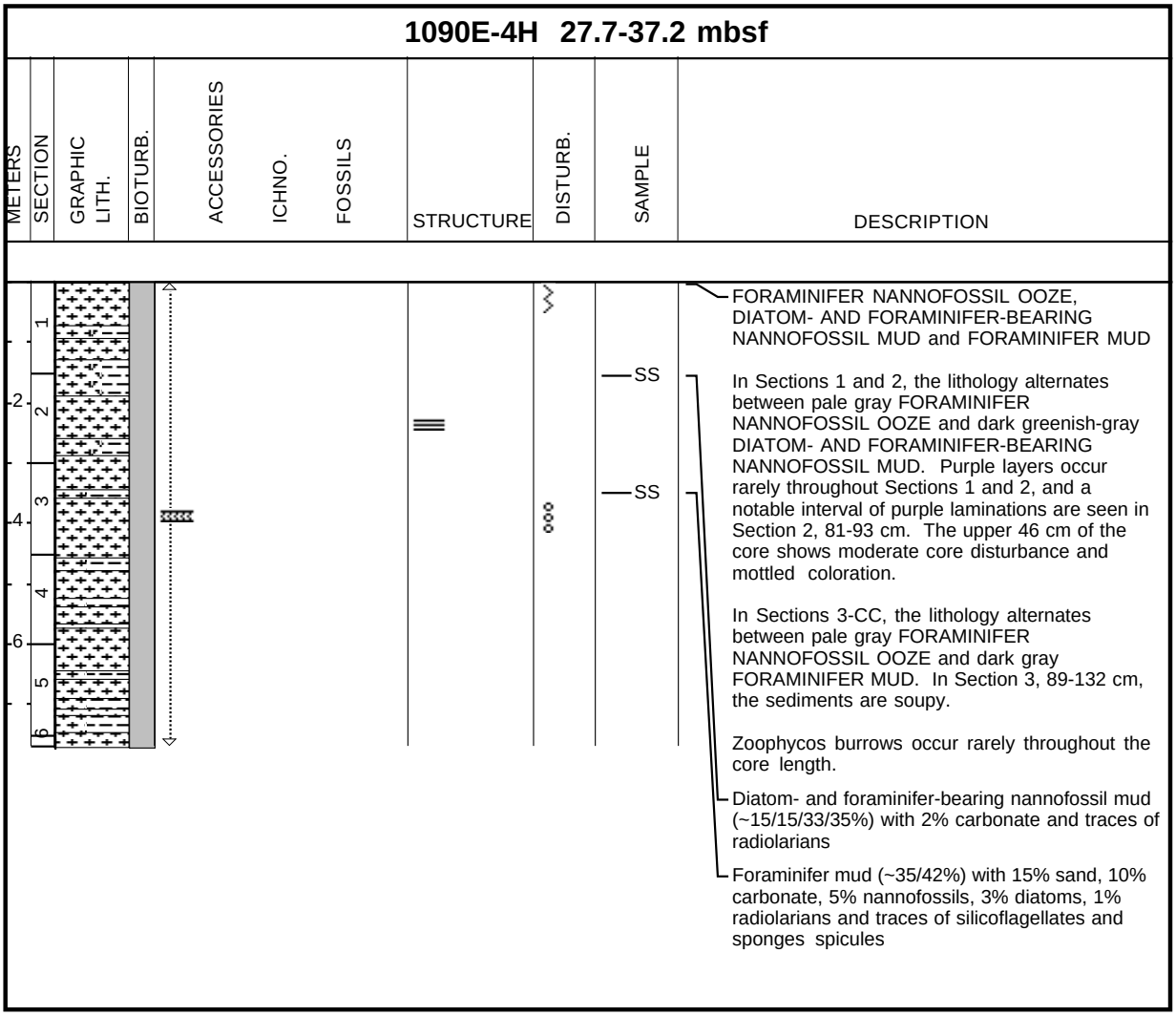
Core Photo


1090E-2H 8.7-18.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
FORAMINIFER NANNOFOSSIL OOZE AND MUD AND DIATOM BEARING NANNOFOSSIL OOZE
The lithology alternates between very pale gray FORAMINIFER NANNOFOSSIL OOZE and olive greenish gray MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE. The FORAMINIFER NANNOFOSSIL OOZE shows little bioturbation and contains purple color banding and lamination. The MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE shows moderate bioturbation.
Mud and diatom-bearing nannofossil ooze, (15/20/60%).

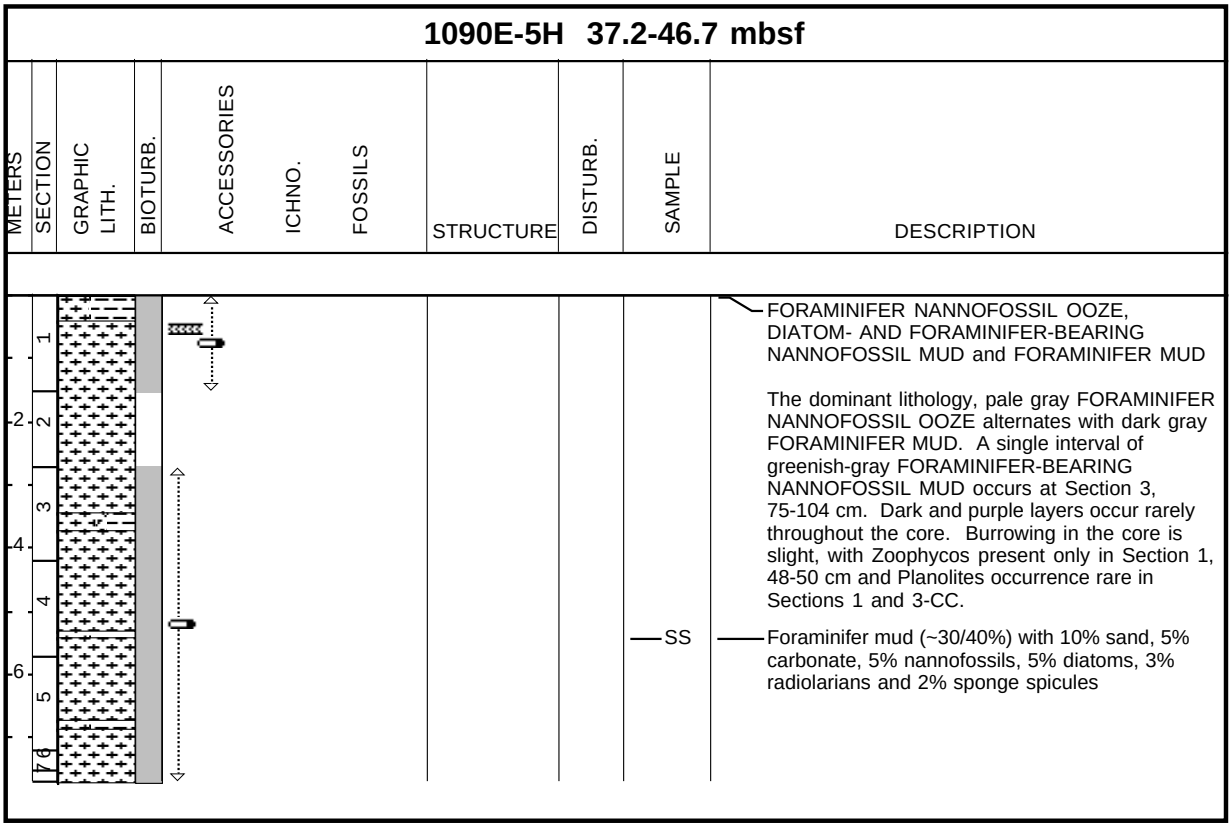
Core Photo


1090E-3H 18.2-27.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM-BEARING MUD NANNOFOSSIL OOZE and FORAMINIFER NANNOFOSSIL OOZE
The lithology alternates between very pale gray FORAMINIFER NANNOFOSSIL OOZE and dark greenish-gray DIATOM-BEARING MUD NANNOFOSSIL OOZE with a single interval of very dark olive DIATOM MUD from Section 3, 135 cm to Section 4, 31 cm. Burrowing is severe in Section 3 and moderate throughout the remainder of the core. The upper 40 cm of the core appear mottled. An interval of soupy sediments occurs at Section 4, 79-119 cm.
Diatom-bearing mud nannofossil ooze (~20/25/55%) with traces of foraminifers, radiolarians and silicoflagellates
Diatom mud (~40/49%) with 10% carbonate, 1% radiolarians and traces of silicoflagellates and sponge spicules

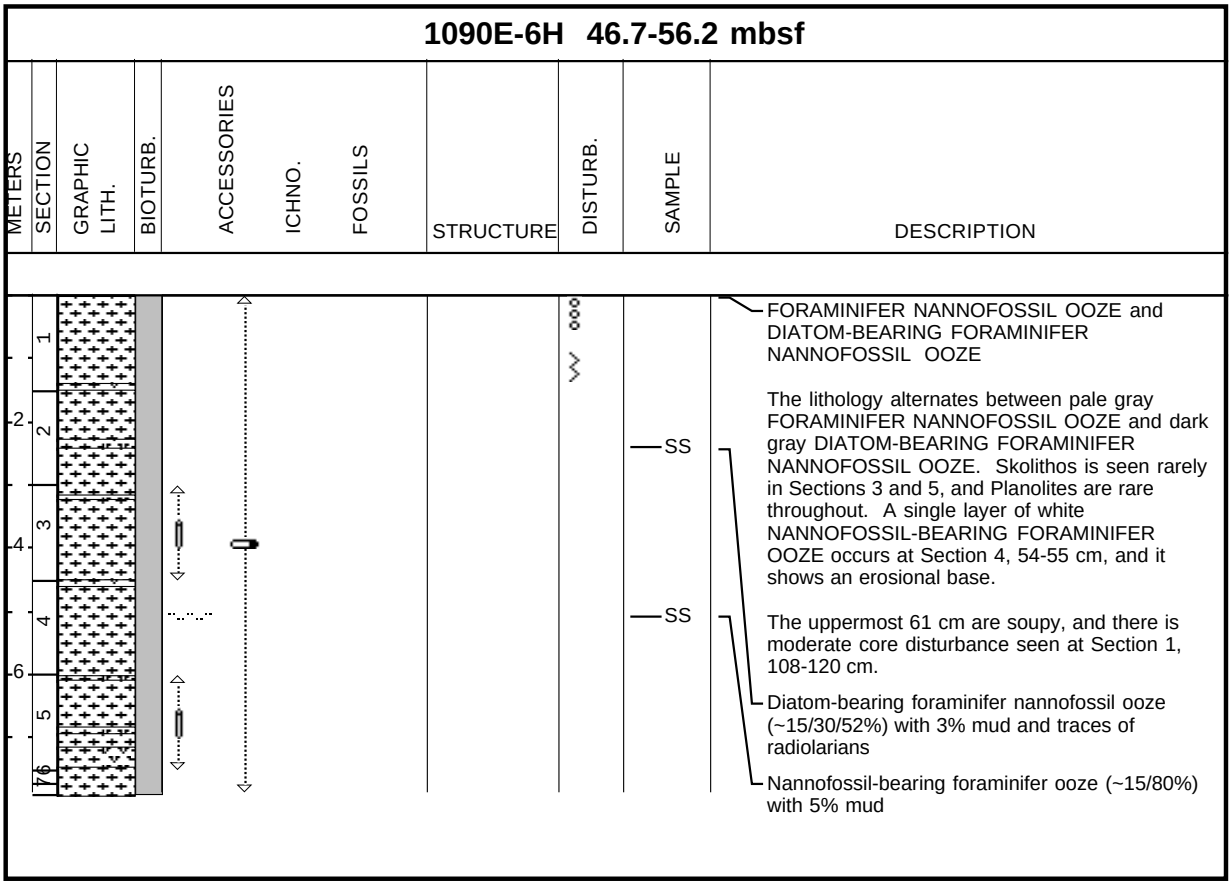
Core Photo


1090E-4H 27.7-37.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
FORAMINIFER NANNOFOSSIL OOZE, DIATOM- AND FORAMINIFER-BEARING NANNOFOSSIL MUD and FORAMINIFER MUD
In Sections 1 and 2, the lithology alternates between pale gray FORAMINIFER NANNOFOSSIL OOZE and dark greenish-gray DIATOM- AND FORAMINIFER-BEARING NANNOFOSSIL MUD. Purple layers occur rarely throughout Sections 1 and 2, and a notable interval of purple laminations are seen in Section 2, 81-93 cm. The upper 46 cm of the core shows moderate core disturbance and mottled coloration.
In Sections 3-CC, the lithology alternates between pale gray FORAMINIFER NANNOFOSSIL OOZE and dark gray FORAMINIFER MUD. In Section 3, 89-132 cm, the sediments are soupy.
Zoophycos burrows occur rarely throughout the core length.
Diatom- and foraminifer-bearing nannofossil mud (~15/15/33/35%) with 2% carbonate and traces of radiolarians
Foraminifer mud (~35/42%) with 15% sand, 10% carbonate, 5% nannofossils, 3% diatoms, 1% radiolarians and traces of silicoflagellates and sponges spicules

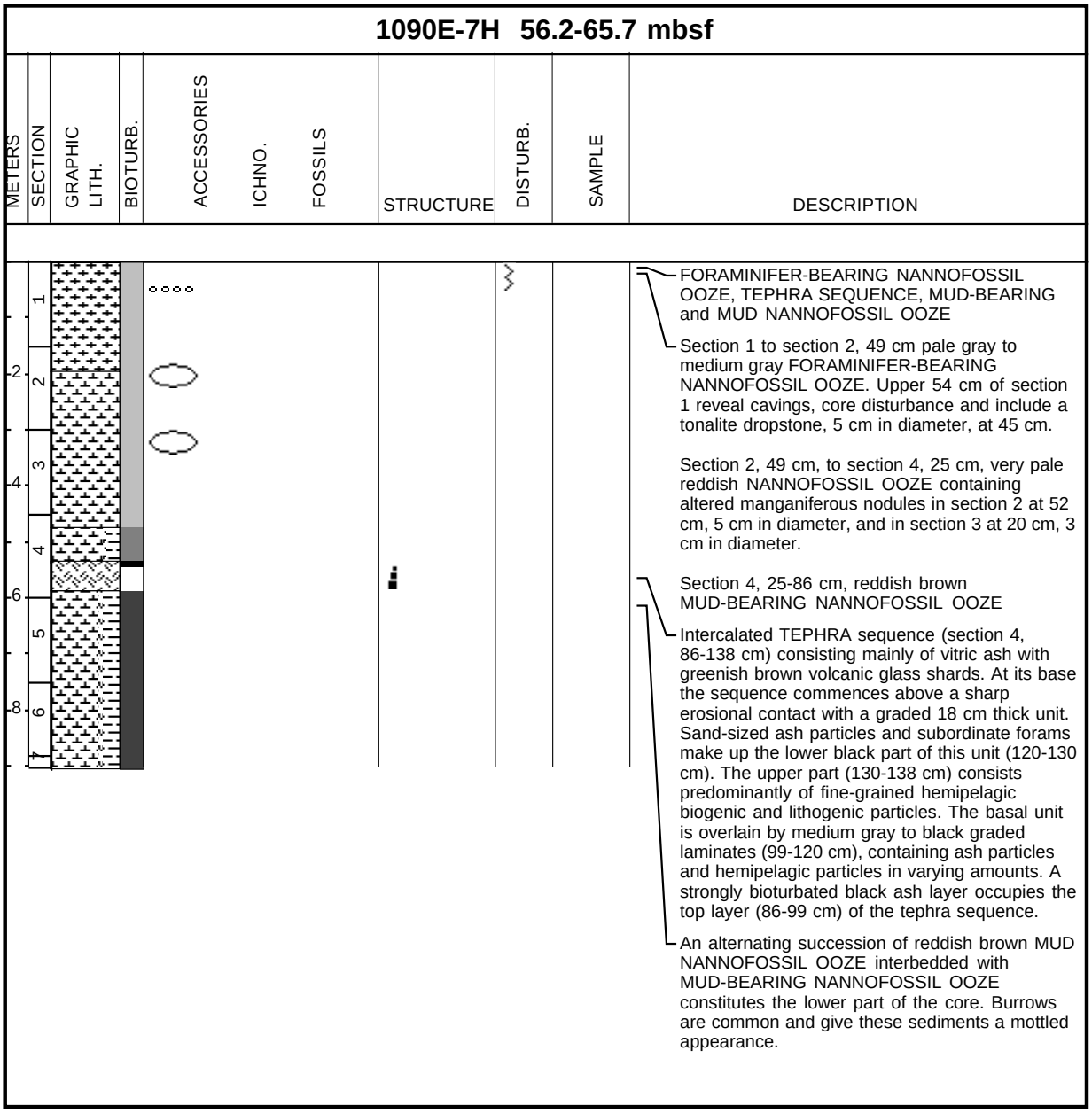
Core Photo


1090E-5H 37.2-46.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
FORAMINIFER NANNOFOSSIL OOZE, DIATOM- AND FORAMINIFER-BEARING NANNOFOSSIL MUD and FORAMINIFER MUD
The dominant lithology, pale gray FORAMINIFER NANNOFOSSIL OOZE alternates with dark gray FORAMINIFER MUD. A single interval of greenish-gray FORAMINIFER-BEARING NANNOFOSSIL MUD occurs at Section 3, 75-104 cm. Dark and purple layers occur rarely throughout the core. Burrowing in the core is slight, with Zoophycos present only in Section 1, 48-50 cm and Planolites occurrence rare in Sections 1 and 3-CC.
SS
Foraminifer mud (~30/40%) with 10% sand, 5% carbonate, 5% nannofossils, 5% diatoms, 3% radiolarians and 2% sponge spicules

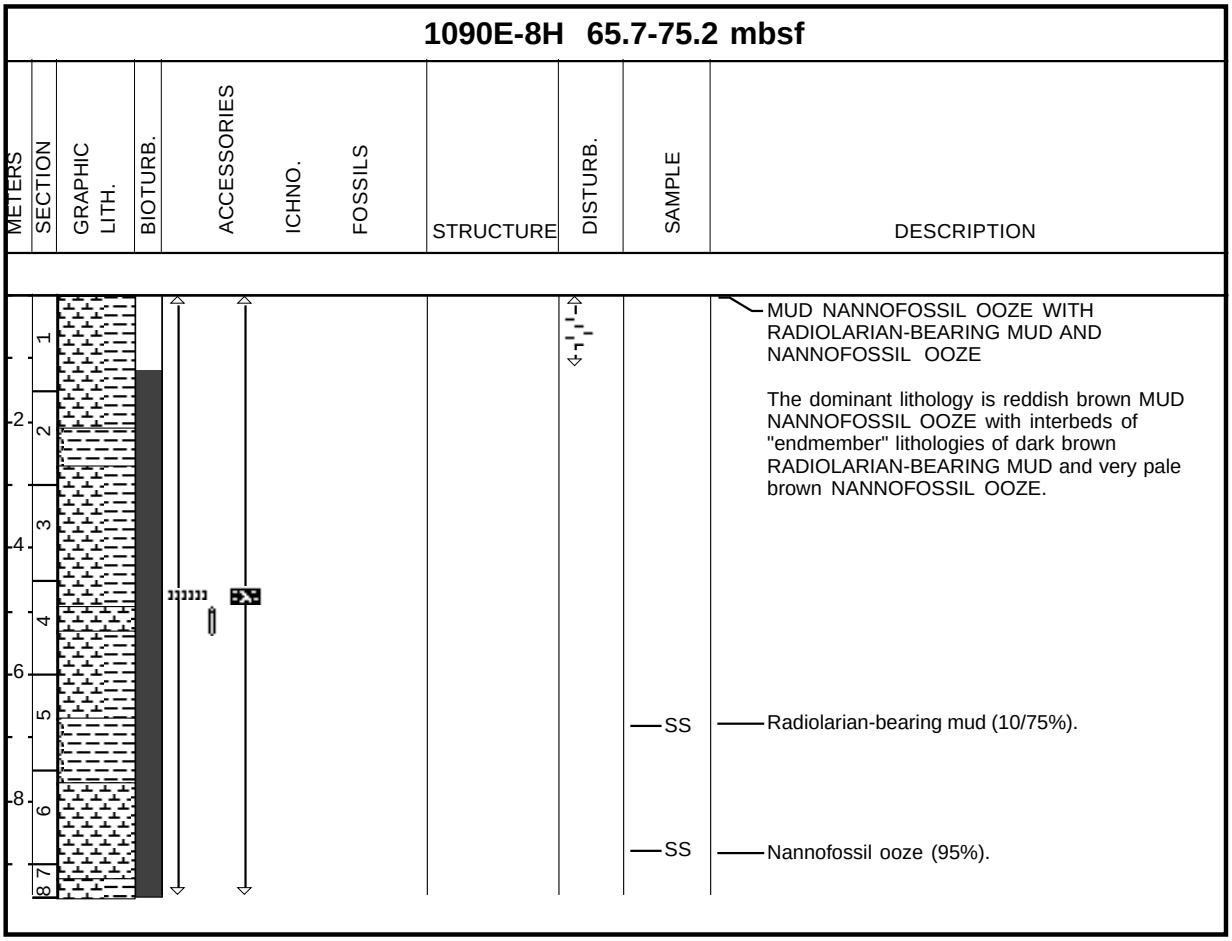
Core Photo


1090E-6H 46.7-56.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
FORAMINIFER NANNOFOSSIL OOZE and DIATOM-BEARING FORAMINIFER NANNOFOSSIL OOZE
The lithology alternates between pale gray FORAMINIFER NANNOFOSSIL OOZE and dark gray DIATOM-BEARING FORAMINIFER NANNOFOSSIL OOZE. Skolithos is seen rarely in Sections 3 and 5, and Planolites are rare throughout. A single layer of white NANNOFOSSIL-BEARING FORAMINIFER OOZE occurs at Section 4, 54-55 cm, and it shows an erosional base.
The uppermost 61 cm are soupy, and there is moderate core disturbance seen at Section 1, 108-120 cm.
Diatom-bearing foraminifer nannofossil ooze (~15/30/52%) with 3% mud and traces of radiolarians
Nannofossil-bearing foraminifer ooze (~15/80%) with 5% mud

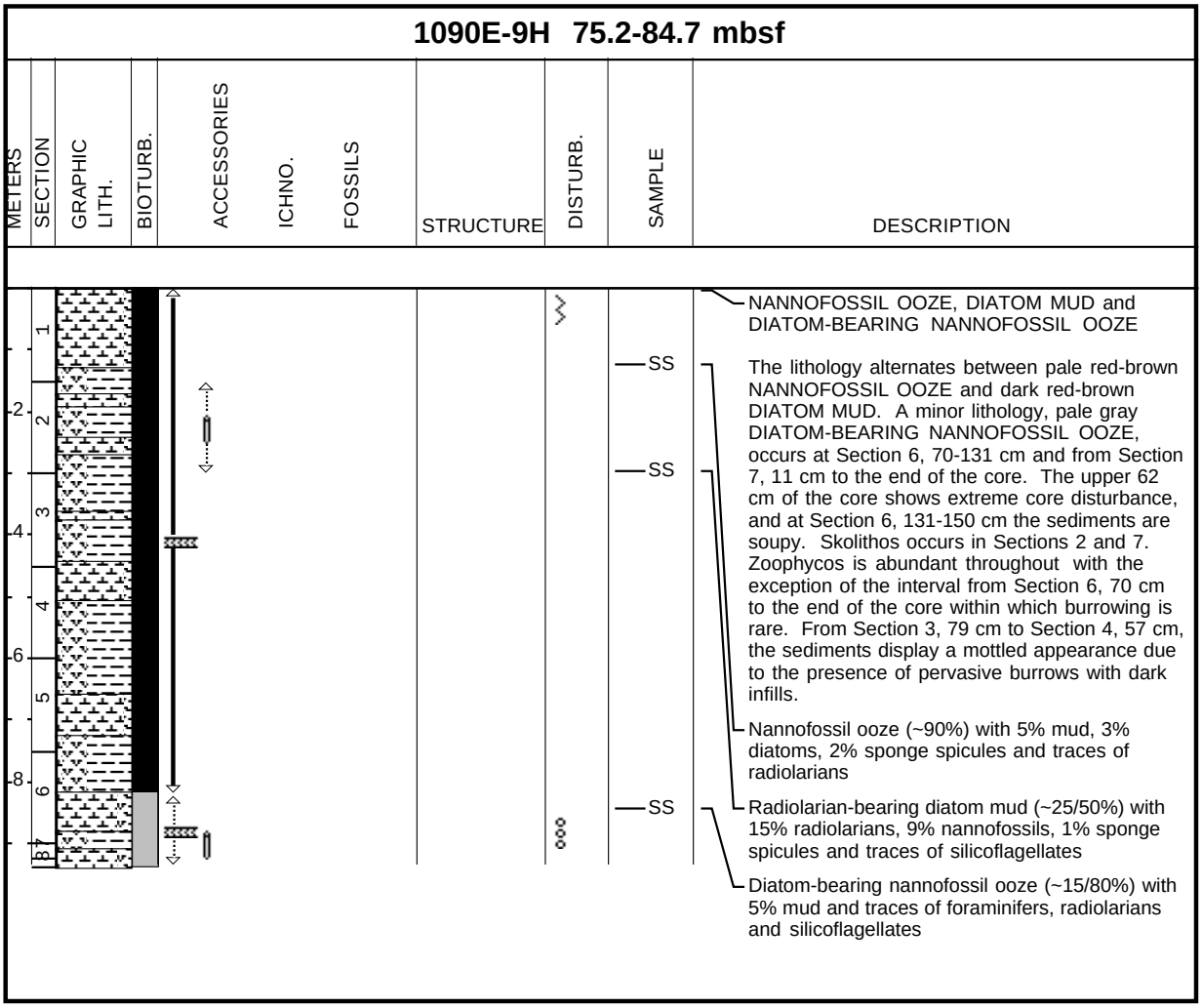
Core Photo


1090E-7H 56.2-65.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
FORAMINIFER-BEARING NANNOFOSSIL OOZE, TEPHRA SEQUENCE, MUD-BEARING and MUD NANNOFOSSIL OOZE
Section 1 to section 2, 49 cm pale gray to medium gray FORAMINIFER-BEARING NANNOFOSSIL OOZE. Upper 54 cm of section 1 reveal cavings, core disturbance and include a tonalite dropstone, 5 cm in diameter, at 45 cm.
Section 2, 49 cm, to section 4, 25 cm, very pale reddish NANNOFOSSIL OOZE containing altered manganiferous nodules in section 2 at 52 cm, 5 cm in diameter, and in section 3 at 20 cm, 3 cm in diameter.
Section 4, 25-86 cm, reddish brown MUD-BEARING NANNOFOSSIL OOZE
Intercalated TEPHRA sequence (section 4, 86-138 cm) consisting mainly of vitric ash with greenish brown volcanic glass shards. At its base the sequence commences above a sharp erosional contact with a graded 18 cm thick unit. Sand-sized ash particles and subordinate forams make up the lower black part of this unit (120-130 cm). The upper part (130-138 cm) consists predominantly of fine-grained hemipelagic biogenic and lithogenic particles. The basal unit is overlain by medium gray to black graded laminates (99-120 cm), containing ash particles and hemipelagic particles in varying amounts. A strongly bioturbated black ash layer occupies the top layer (86-99 cm) of the tephra sequence.
An alternating succession of reddish brown MUD NANNOFOSSIL OOZE interbedded with MUD-BEARING NANNOFOSSIL OOZE constitutes the lower part of the core. Burrows are common and give these sediments a mottled appearance.

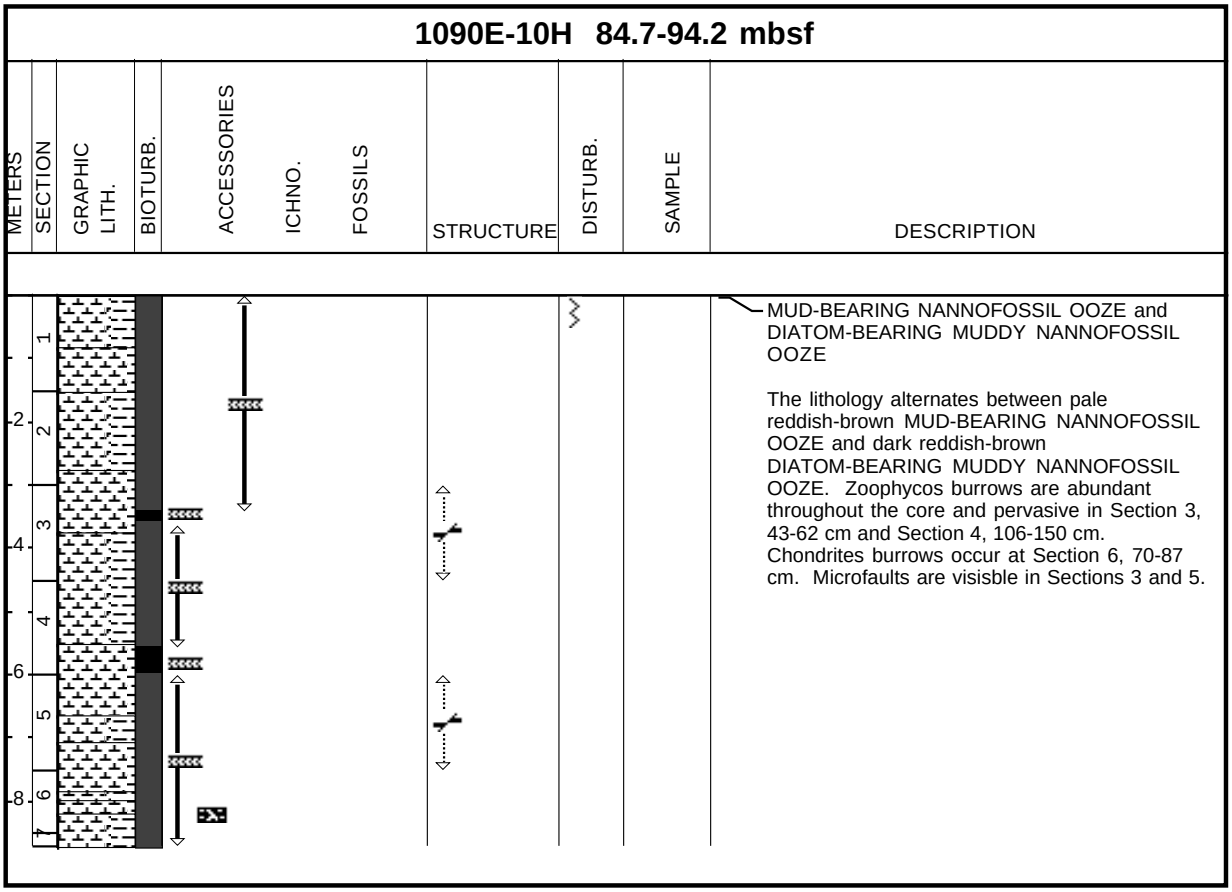
Core Photo


1090E-8H 65.7-75.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD NANNOFOSSIL OOZE WITH RADIOLARIAN-BEARING MUD AND NANNOFOSSIL OOZE
The dominant lithology is reddish brown MUD NANNOFOSSIL OOZE with interbeds of "endmember" lithologies of dark brown RADIOLARIAN-BEARING MUD and very pale brown NANNOFOSSIL OOZE.
SS
Radiolarian-bearing mud (10/75%).
SS
Nannofossil ooze (95%).

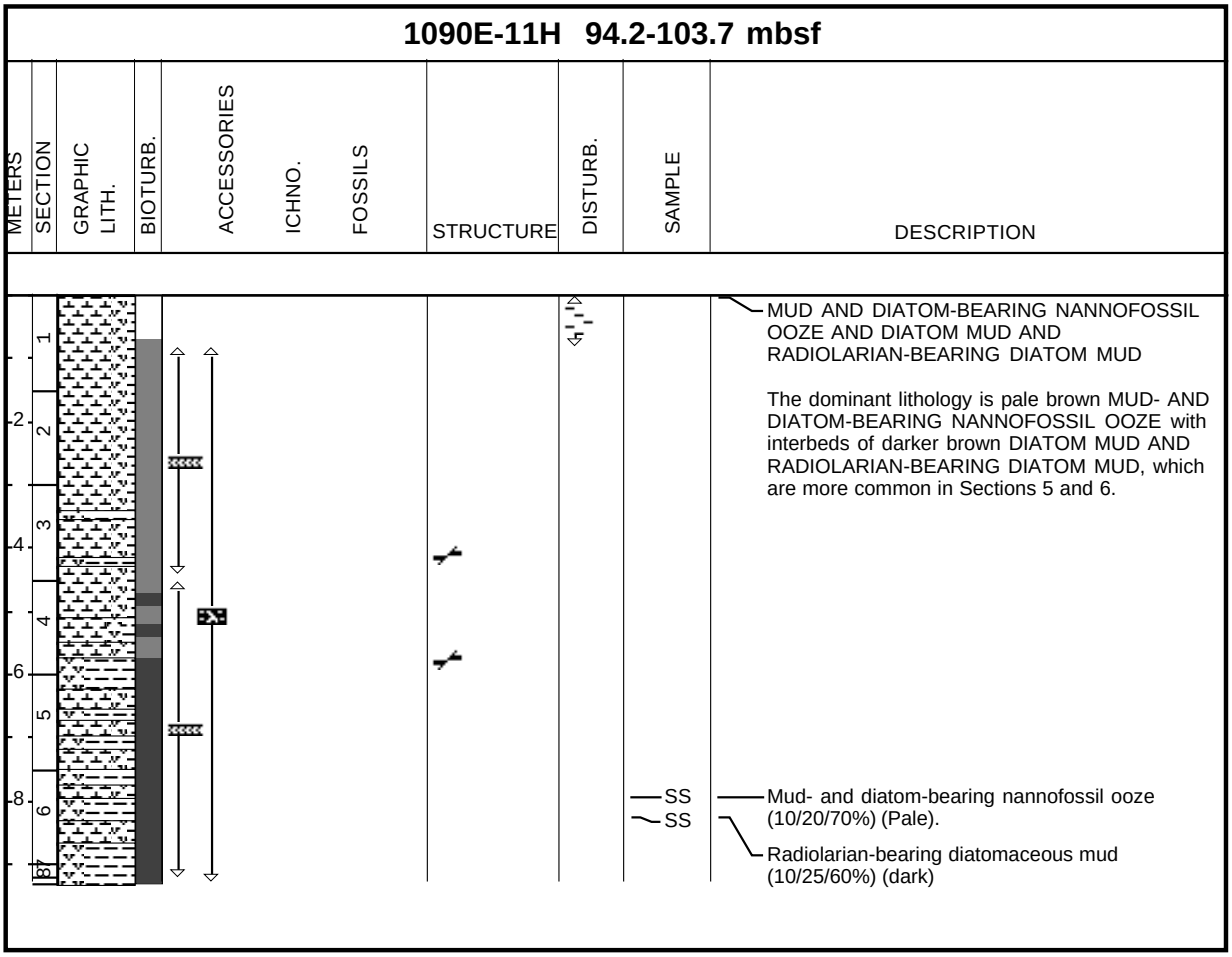
Core Photo


1090E-9H 75.2-84.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
NANNOFOSSIL OOZE, DIATOM MUD and DIATOM-BEARING NANNOFOSSIL OOZE
The lithology alternates between pale red-brown NANNOFOSSIL OOZE and dark red-brown DIATOM MUD. A minor lithology, pale gray DIATOM-BEARING NANNOFOSSIL OOZE, occurs at Section 6, 70-131 cm and from Section 7, 11 cm to the end of the core. The upper 62 cm of the core shows extreme core disturbance, and at Section 6, 131-150 cm the sediments are soupy. Skolithos occurs in Sections 2 and 7. Zoophycos is abundant throughout with the exception of the interval from Section 6, 70 cm to the end of the core within which burrowing is rare. From Section 3, 79 cm to Section 4, 57 cm, the sediments display a mottled appearance due to the presence of pervasive burrows with dark infills.
Nannofossil ooze (~90%) with 5% mud, 3% diatoms, 2% sponge spicules and traces of radiolarians
Radiolarian-bearing diatom mud (~25/50%) with 15% radiolarians, 9% nannofossils, 1% sponge spicules and traces of silicoflagellates
Diatom-bearing nannofossil ooze (~15/80%) with 5% mud and traces of foraminifers, radiolarians and silicoflagellates

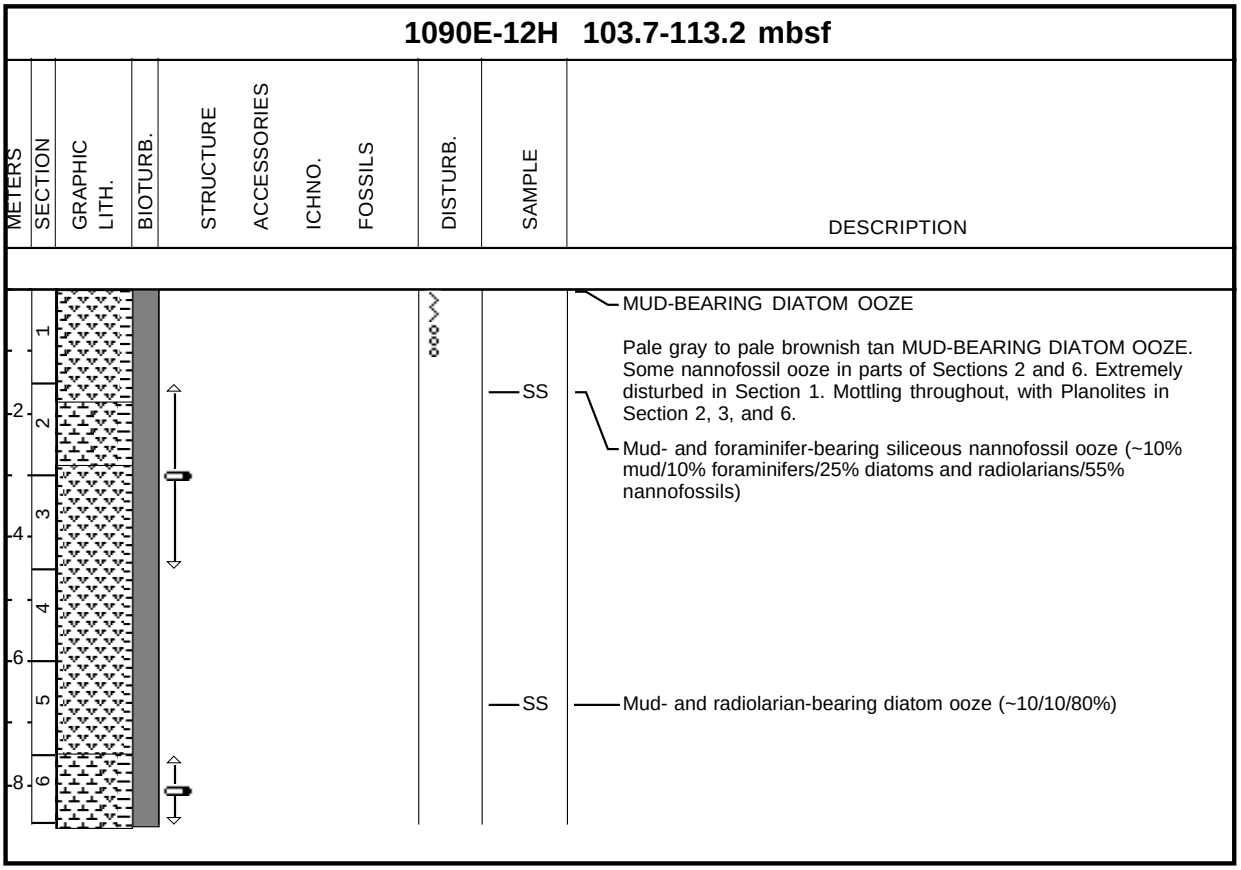
Core Photo


1090E-10H 84.7-94.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING NANNOFOSSIL OOZE and DIATOM-BEARING MUDDY NANNOFOSSIL OOZE
The lithology alternates between pale reddish-brown MUD-BEARING NANNOFOSSIL OOZE and dark reddish-brown DIATOM-BEARING MUDDY NANNOFOSSIL OOZE. Zoophycos burrows are abundant throughout the core and pervasive in Section 3, 43-62 cm and Section 4, 106-150 cm. Chondrites burrows occur at Section 6, 70-87 cm. Microfaults are visisble in Sections 3 and 5.

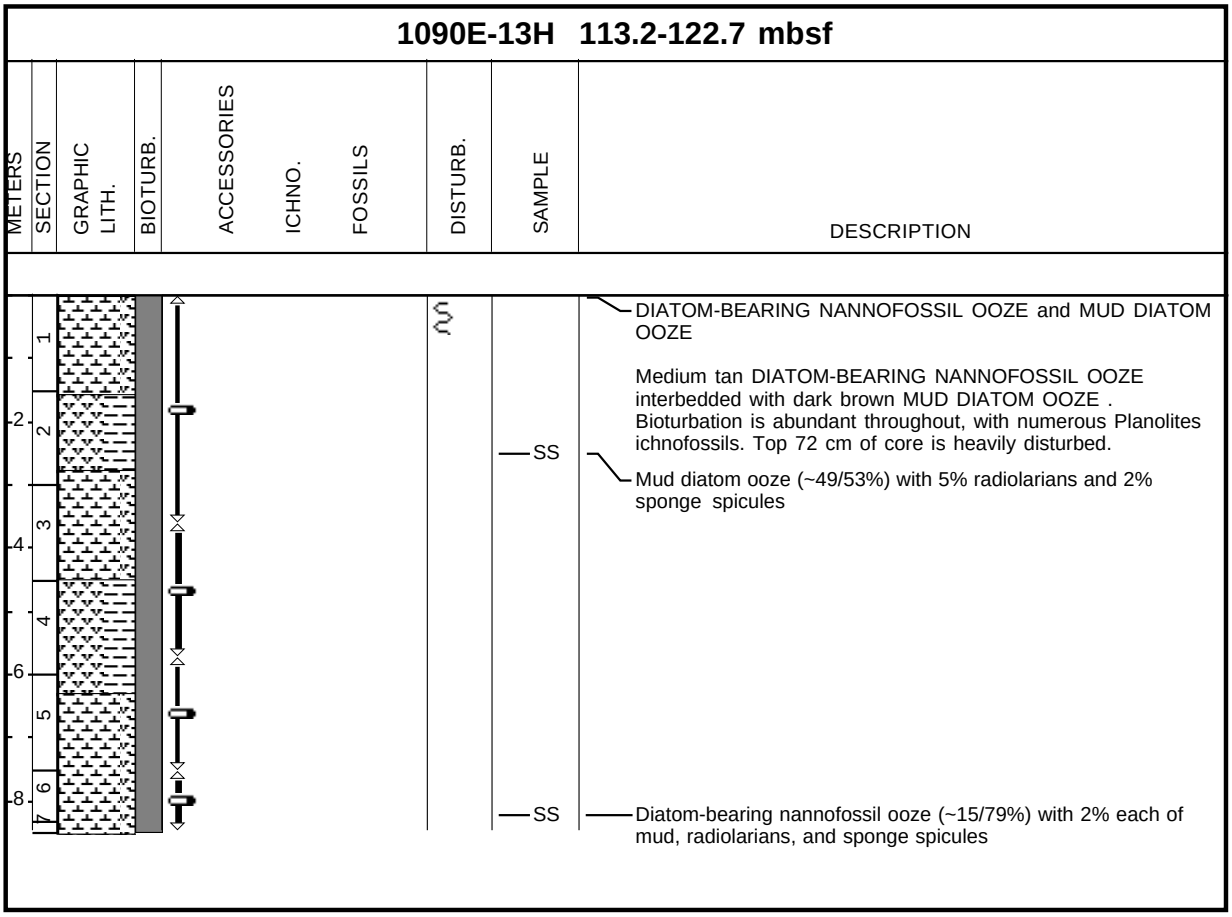
Core Photo


1090E-11H 94.2-103.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD AND DIATOM-BEARING NANNOFOSSIL OOZE AND DIATOM MUD AND RADIOLARIAN-BEARING DIATOM MUD
The dominant lithology is pale brown MUD- AND DIATOM-BEARING NANNOFOSSIL OOZE with interbeds of darker brown DIATOM MUD AND RADIOLARIAN-BEARING DIATOM MUD, which are more common in Sections 5 and 6.
SS
SS
Mud- and diatom-bearing nannofossil ooze (10/20/70%) (Pale).
Radiolarian-bearing diatomaceous mud (10/25/60%) (dark)

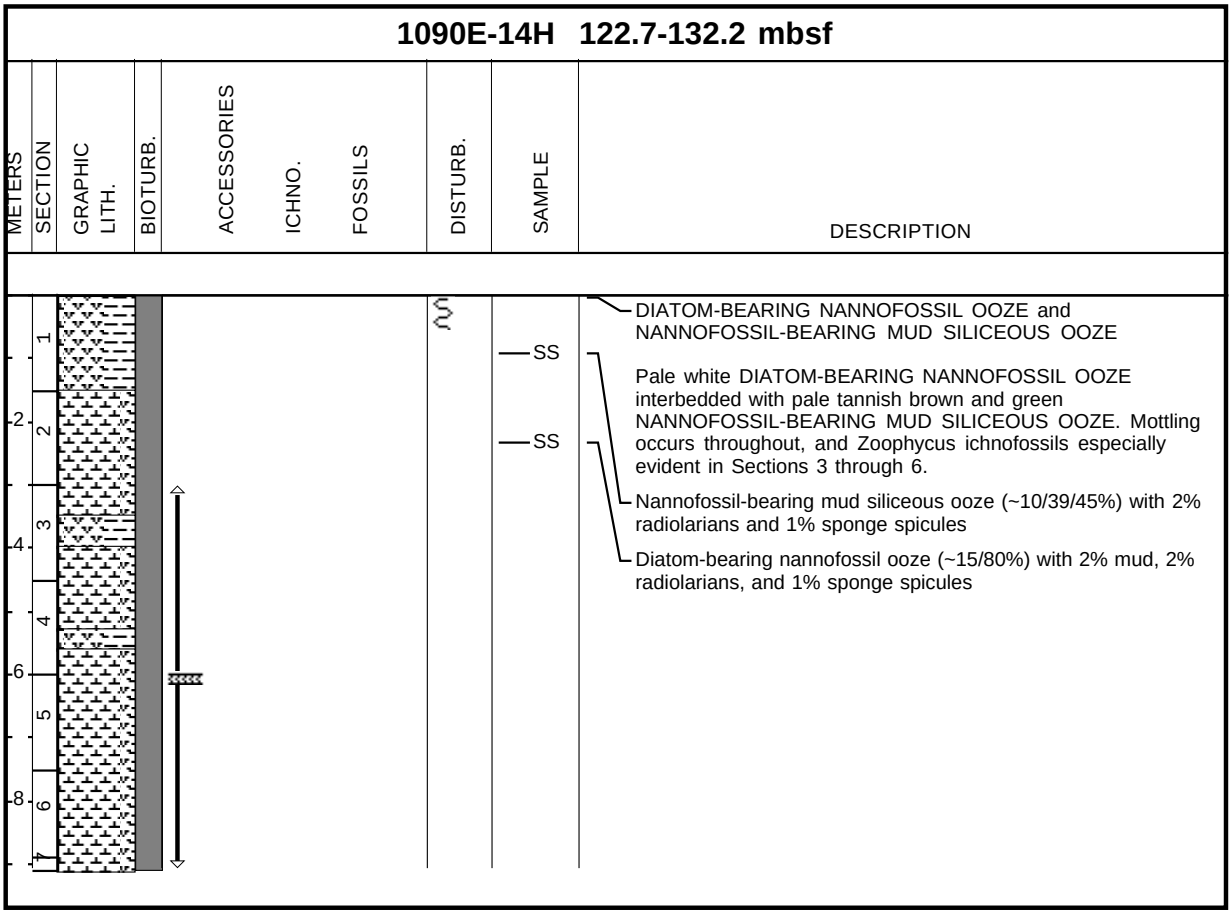
Core Photo


1090E-12H 103.7-113.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING DIATOM OOZE
Pale gray to pale brownish tan MUD-BEARING DIATOM OOZE. Some nannofossil ooze in parts of Sections 2 and 6. Extremely disturbed in Section 1. Mottling throughout, with Planolites in Section 2, 3, and 6.
SS
Mud- and foraminifer-bearing siliceous nannofossil ooze (~10% mud/10% foraminifers/25% diatoms and radiolarians/55% nannofossils)
SS
Mud- and radiolarian-bearing diatom ooze (~10/10/80%)
1
2
3
4
5
6
2
4
6
8

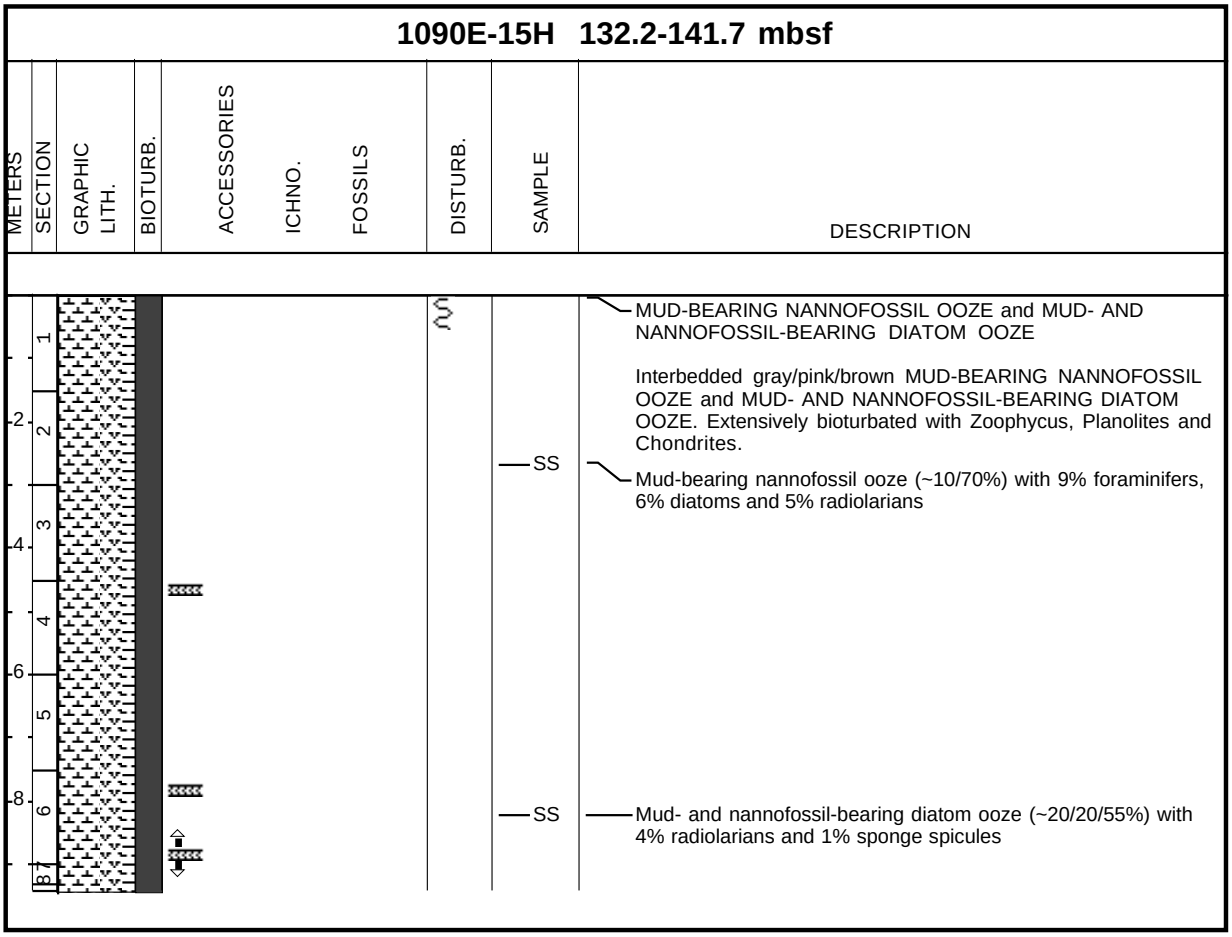
Core Photo


1090E-13H 113.2-122.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING NANNOFOSSIL OOZE and MUD DIATOM OOZE
Medium tan DIATOM-BEARING NANNOFOSSIL OOZE interbedded with dark brown MUD DIATOM OOZE . Bioturbation is abundant throughout, with numerous Planolites ichnofossils. Top 72 cm of core is heavily disturbed.
SS
Mud diatom ooze (~49/53%) with 5% radiolarians and 2% sponge spicules
SS
Diatom-bearing nannofossil ooze (~15/79%) with 2% each of mud, radiolarians, and sponge spicules

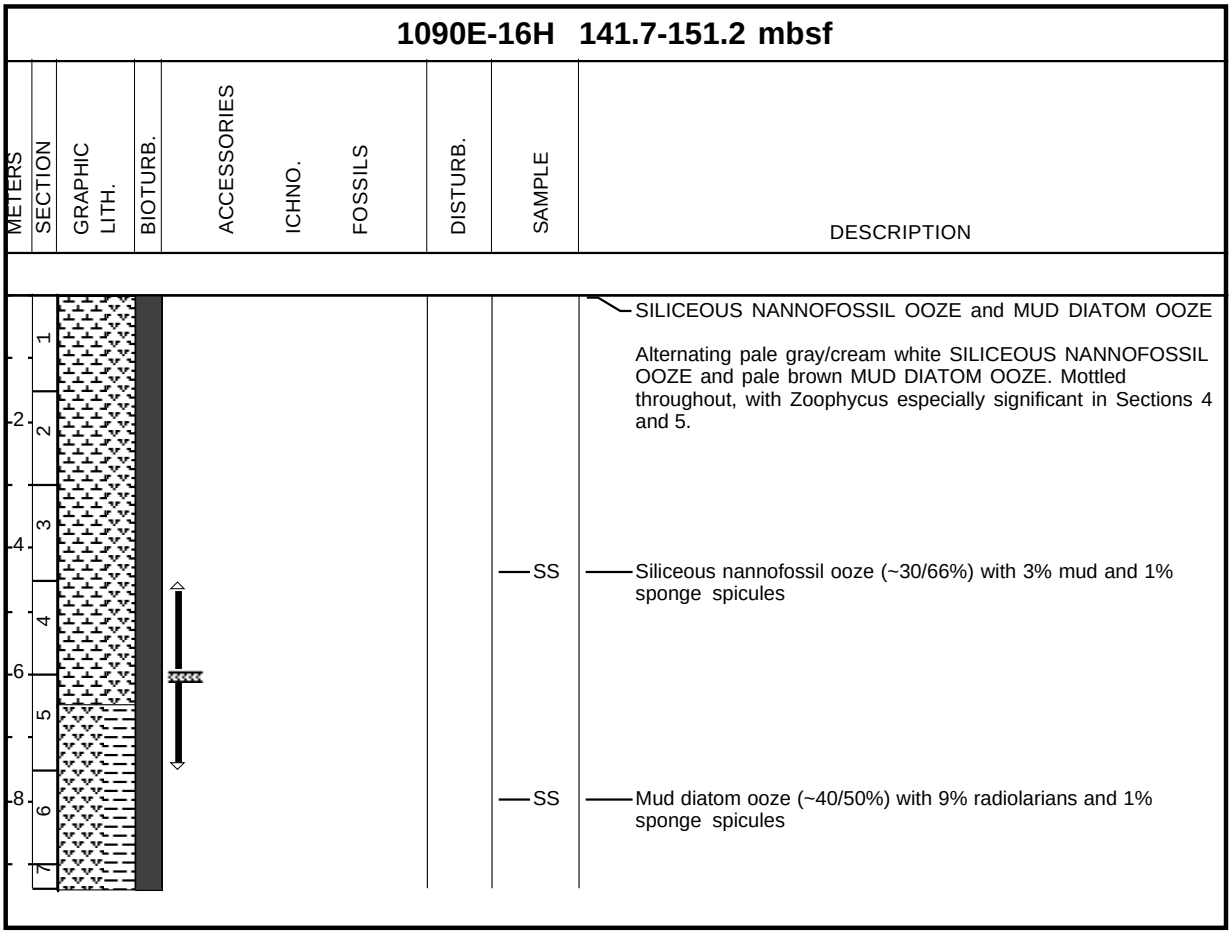
Core Photo


1090E-14H 122.7-132.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM-BEARING NANNOFOSSIL OOZE and NANNOFOSSIL-BEARING MUD SILICEOUS OOZE
Pale white DIATOM-BEARING NANNOFOSSIL OOZE interbedded with pale tannish brown and green NANNOFOSSIL-BEARING MUD SILICEOUS OOZE. Mottling occurs throughout, and Zoophycus ichnofossils especially evident in Sections 3 through 6.
Nannofossil-bearing mud siliceous ooze (~10/39/45%) with 2% radiolarians and 1% sponge spicules
Diatom-bearing nannofossil ooze (~15/80%) with 2% mud, 2% radiolarians, and 1% sponge spicules

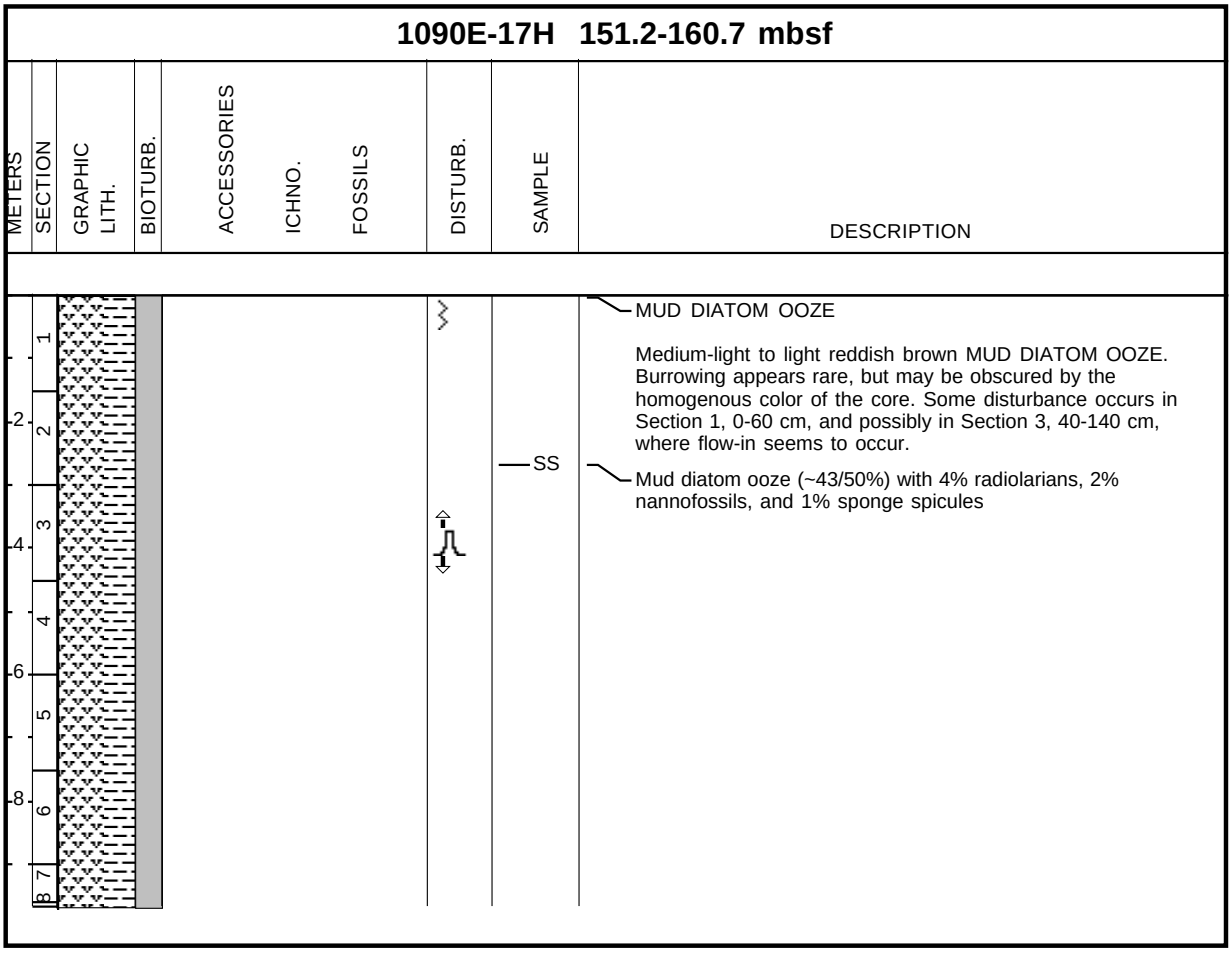
Core Photo


1090E-15H 132.2-141.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING NANNOFOSSIL OOZE and MUD- AND NANNOFOSSIL-BEARING DIATOM OOZE
Interbedded gray/pink/brown MUD-BEARING NANNOFOSSIL OOZE and MUD- AND NANNOFOSSIL-BEARING DIATOM OOZE. Extensively bioturbated with Zoophycus, Planolites and Chondrites.
SS
Mud-bearing nannofossil ooze (~10/70%) with 9% foraminifers, 6% diatoms and 5% radiolarians
SS
Mud- and nannofossil-bearing diatom ooze (~20/20/55%) with 4% radiolarians and 1% sponge spicules

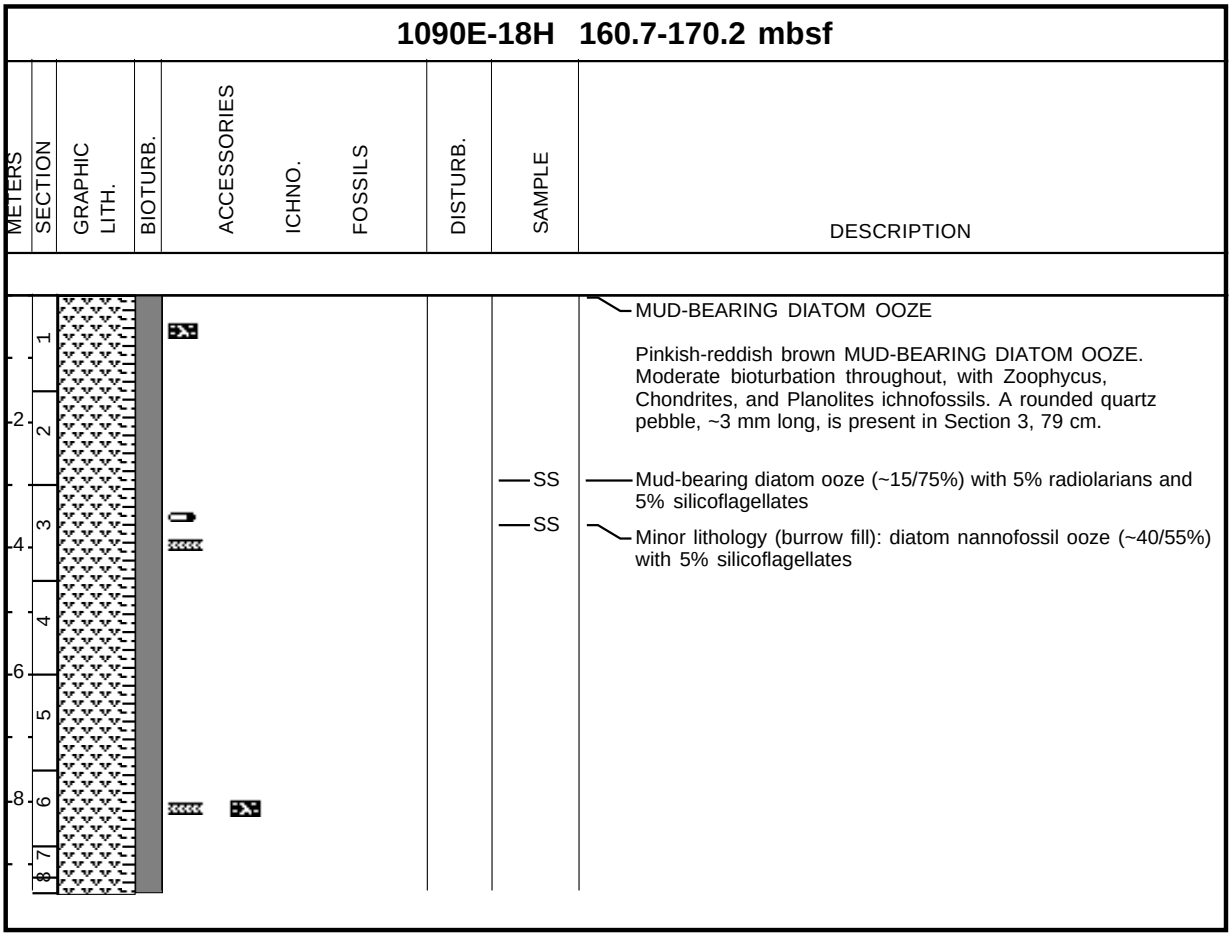
Core Photo


1090E-16H 141.7-151.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SILICEOUS NANNOFOSSIL OOZE and MUD DIATOM OOZE
Alternating pale gray/cream white SILICEOUS NANNOFOSSIL OOZE and pale brown MUD DIATOM OOZE. Mottled throughout, with Zoophycus especially significant in Sections 4 and 5.
SS
Siliceous nannofossil ooze (~30/66%) with 3% mud and 1% sponge spicules
SS
Mud diatom ooze (~40/50%) with 9% radiolarians and 1% sponge spicules

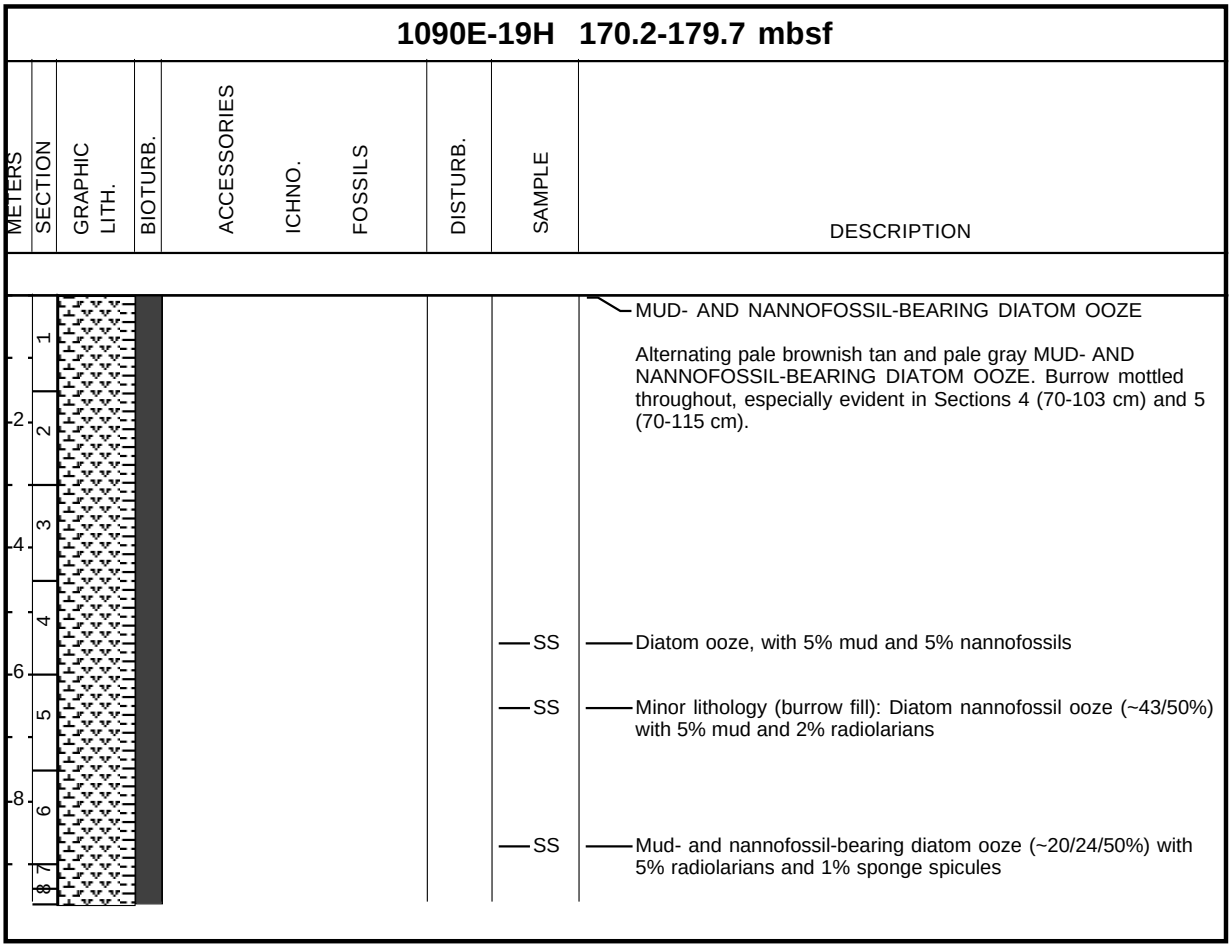
Core Photo


1090E-17H 151.2-160.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD DIATOM OOZE
Medium-light to light reddish brown MUD DIATOM OOZE. Burrowing appears rare, but may be obscured by the homogenous color of the core. Some disturbance occurs in Section 1, 0-60 cm, and possibly in Section 3, 40-140 cm, where flow-in seems to occur.
SS
Mud diatom ooze (~43/50%) with 4% radiolarians, 2% nannofossils, and 1% sponge spicules

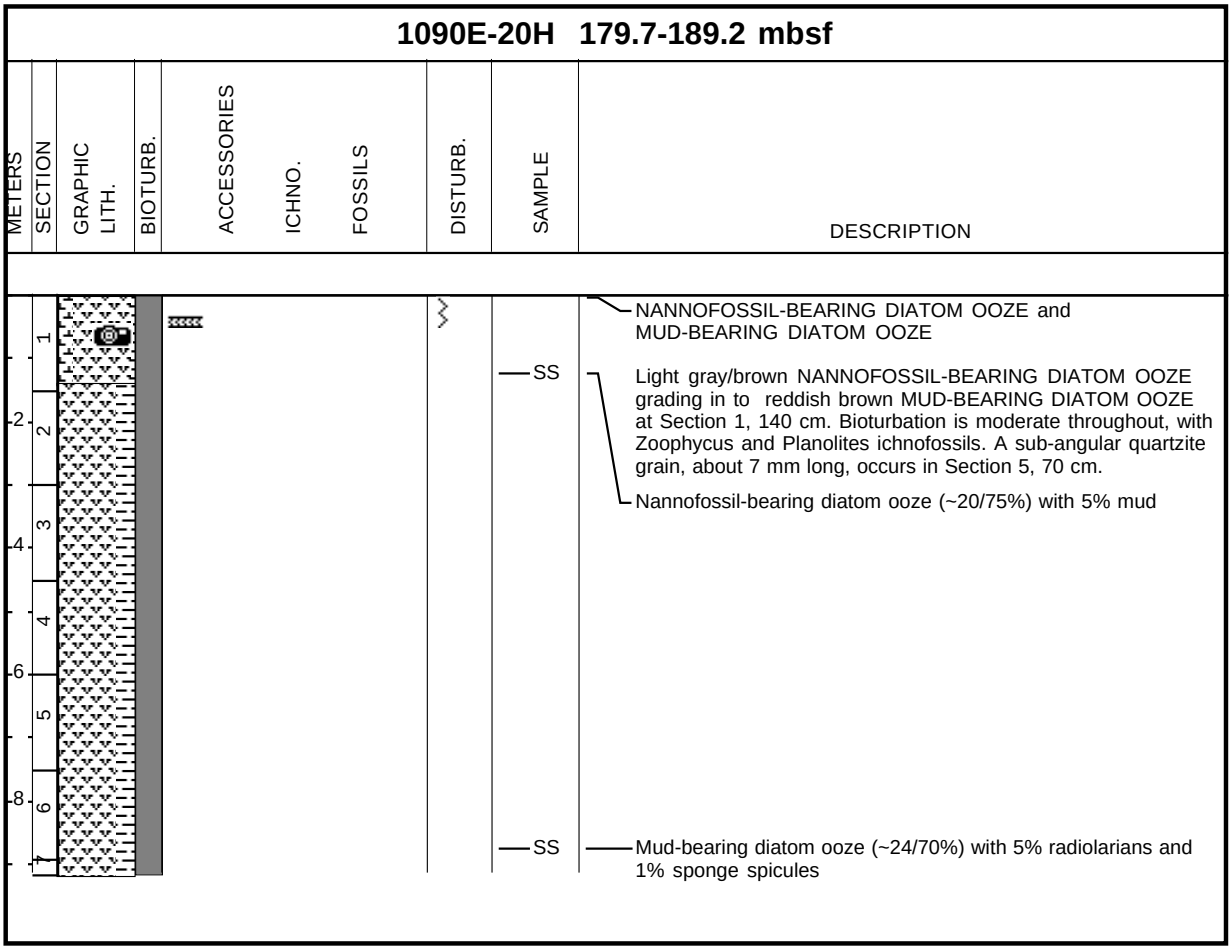
Core Photo


1090E-18H 160.7-170.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING DIATOM OOZE
Pinkish-reddish brown MUD-BEARING DIATOM OOZE. Moderate bioturbation throughout, with Zoophycus, Chondrites, and Planolites ichnofossils. A rounded quartz pebble, ~3 mm long, is present in Section 3, 79 cm.
SS
Mud-bearing diatom ooze (~15/75%) with 5% radiolarians and 5% silicoflagellates
SS
Minor lithology (burrow fill): diatom nannofossil ooze (~40/55%) with 5% silicoflagellates

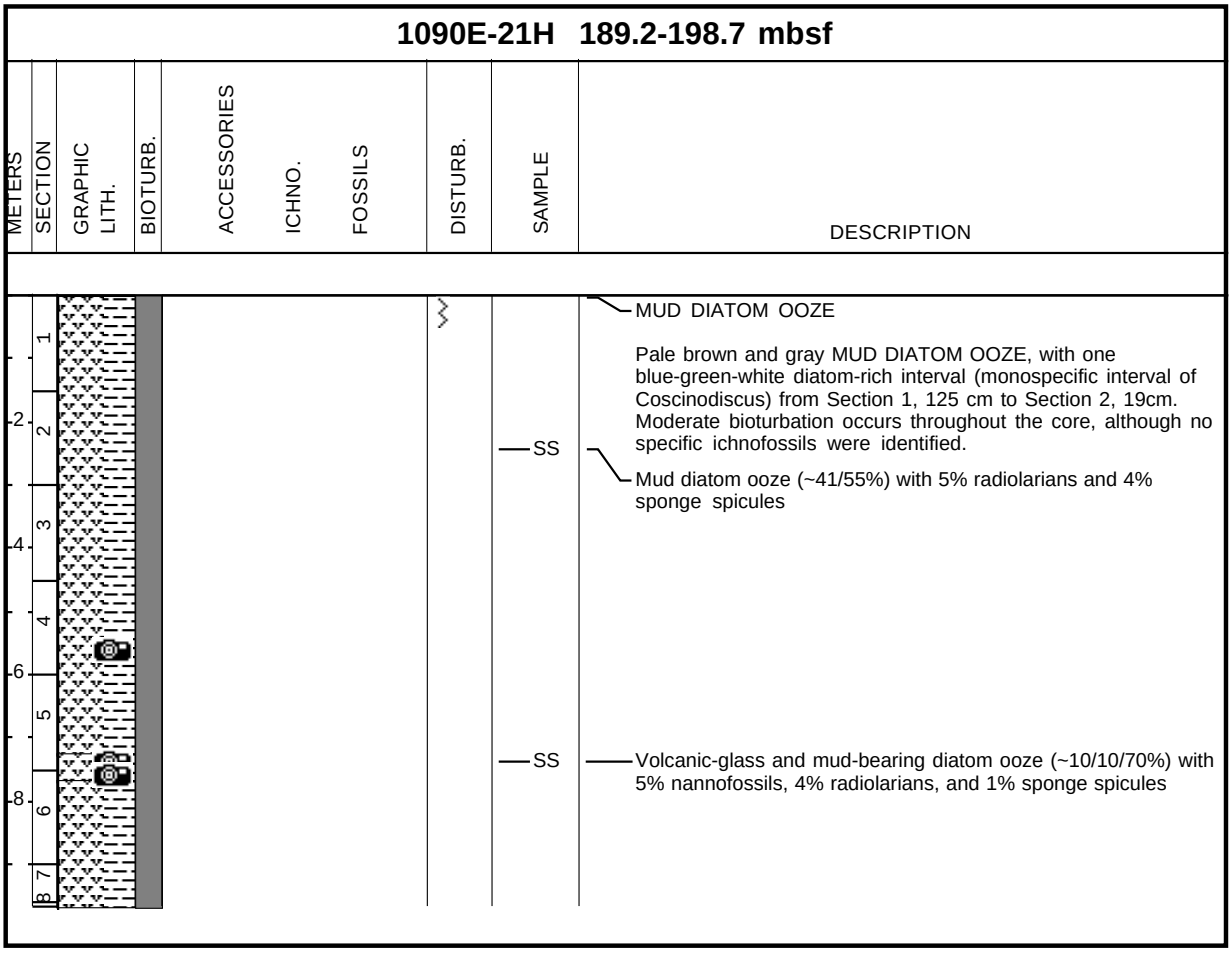
Core Photo


1090E-19H 170.2-179.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD- AND NANNOFOSSIL-BEARING DIATOM OOZE
Alternating pale brownish tan and pale gray MUD- AND NANNOFOSSIL-BEARING DIATOM OOZE. Burrow mottled throughout, especially evident in Sections 4 (70-103 cm) and 5 (70-115 cm).
SS
Diatom ooze, with 5% mud and 5% nannofossils
SS
Minor lithology (burrow fill): Diatom nannofossil ooze (~43/50%) with 5% mud and 2% radiolarians
SS
Mud- and nannofossil-bearing diatom ooze (~20/24/50%) with 5% radiolarians and 1% sponge spicules

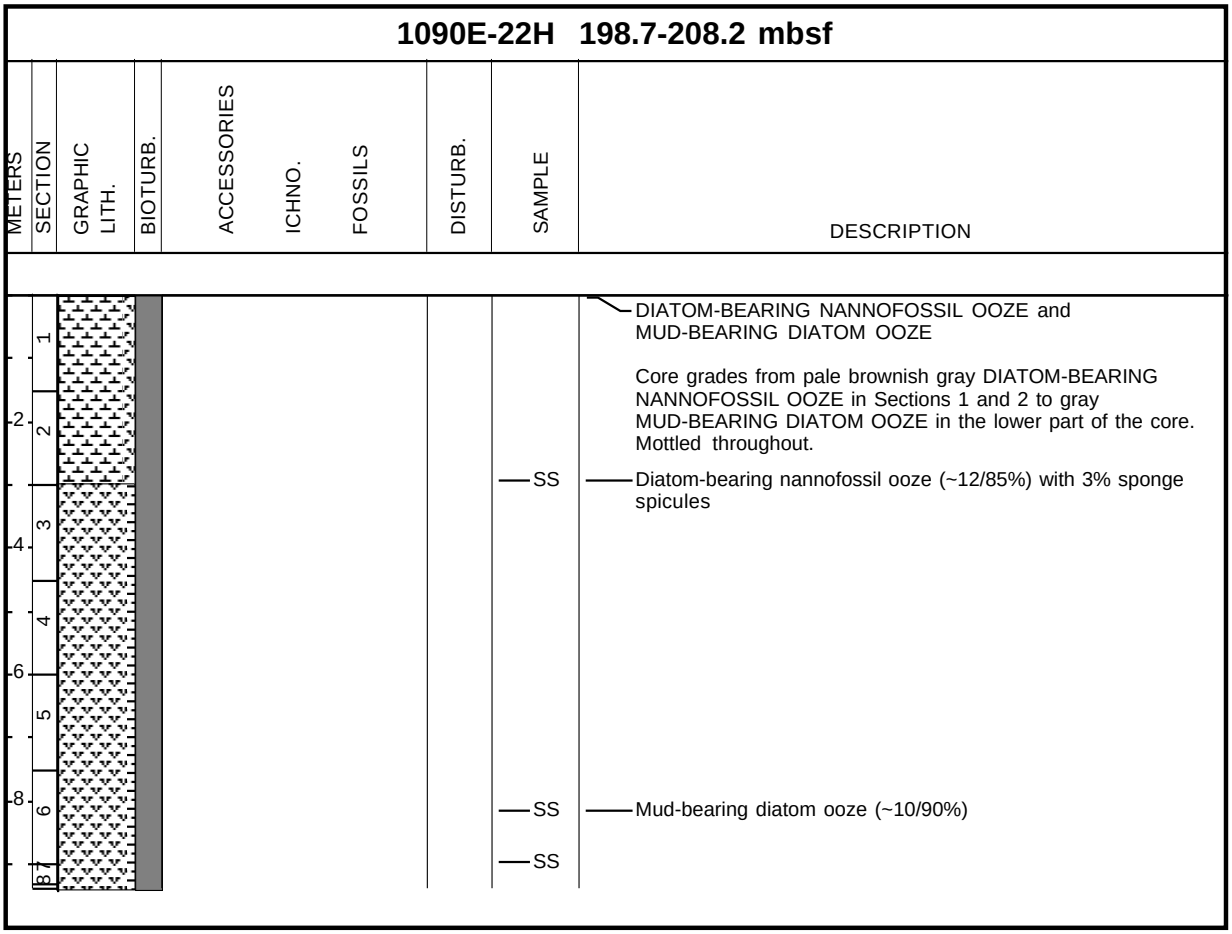
Core Photo


1090E-20H 179.7-189.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
NANNOFOSSIL-BEARING DIATOM OOZE and MUD-BEARING DIATOM OOZE
Light gray/brown NANNOFOSSIL-BEARING DIATOM OOZE grading in to reddish brown MUD-BEARING DIATOM OOZE at Section 1, 140 cm. Bioturbation is moderate throughout, with Zoophycus and Planolites ichnofossils. A sub-angular quartzite grain, about 7 mm long, occurs in Section 5, 70 cm.
Nannofossil-bearing diatom ooze (~20/75%) with 5% mud
Mud-bearing diatom ooze (~24/70%) with 5% radiolarians and 1% sponge spicules

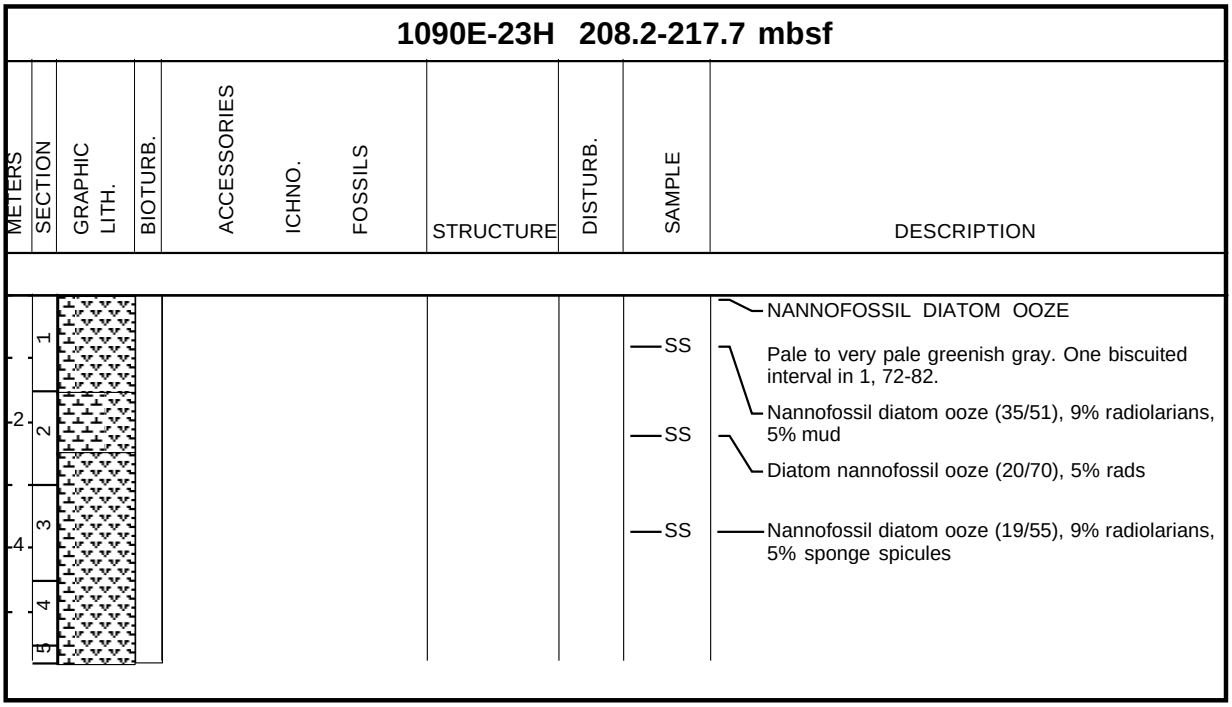
Core Photo


1090E-21H 189.2-198.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
MUD DIATOM OOZE
Pale brown and gray MUD DIATOM OOZE, with one blue-green-white diatom-rich interval (monospecific interval of Coscinodiscus) from Section 1, 125 cm to Section 2, 19cm. Moderate bioturbation occurs throughout the core, although no specific ichnofossils were identified.
SS
Mud diatom ooze (~41/55%) with 5% radiolarians and 4% sponge spicules
SS
Volcanic-glass and mud-bearing diatom ooze (~10/10/70%) with 5% nannofossils, 4% radiolarians, and 1% sponge spicules

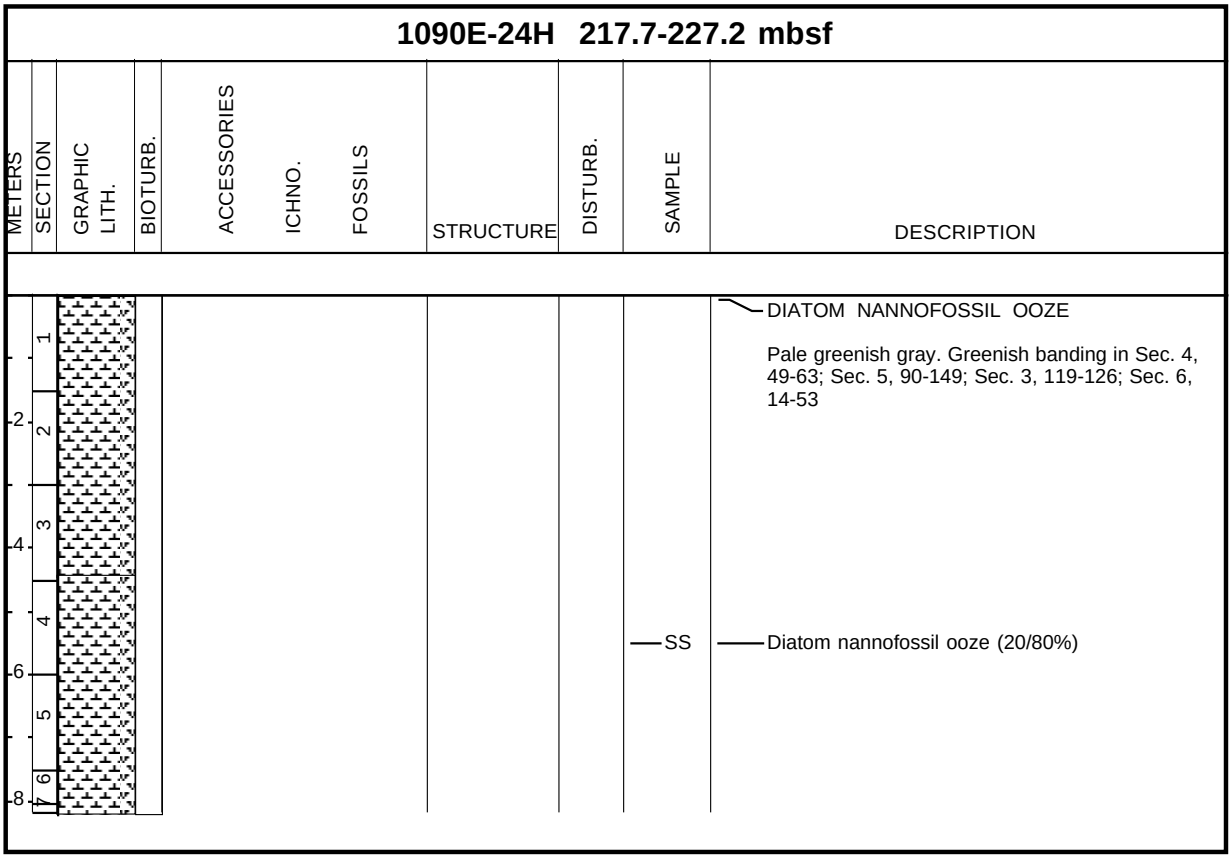
Core Photo


1090E-22H 198.7-208.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM-BEARING NANNOFOSSIL OOZE and MUD-BEARING DIATOM OOZE
Core grades from pale brownish gray DIATOM-BEARING NANNOFOSSIL OOZE in Sections 1 and 2 to gray MUD-BEARING DIATOM OOZE in the lower part of the core. Mottled throughout.
SS
Diatom-bearing nannofossil ooze (~12/85%) with 3% sponge spicules
SS
Mud-bearing diatom ooze (~10/90%)
SS
2
4
6
8
1
2
3
4
5
6
7

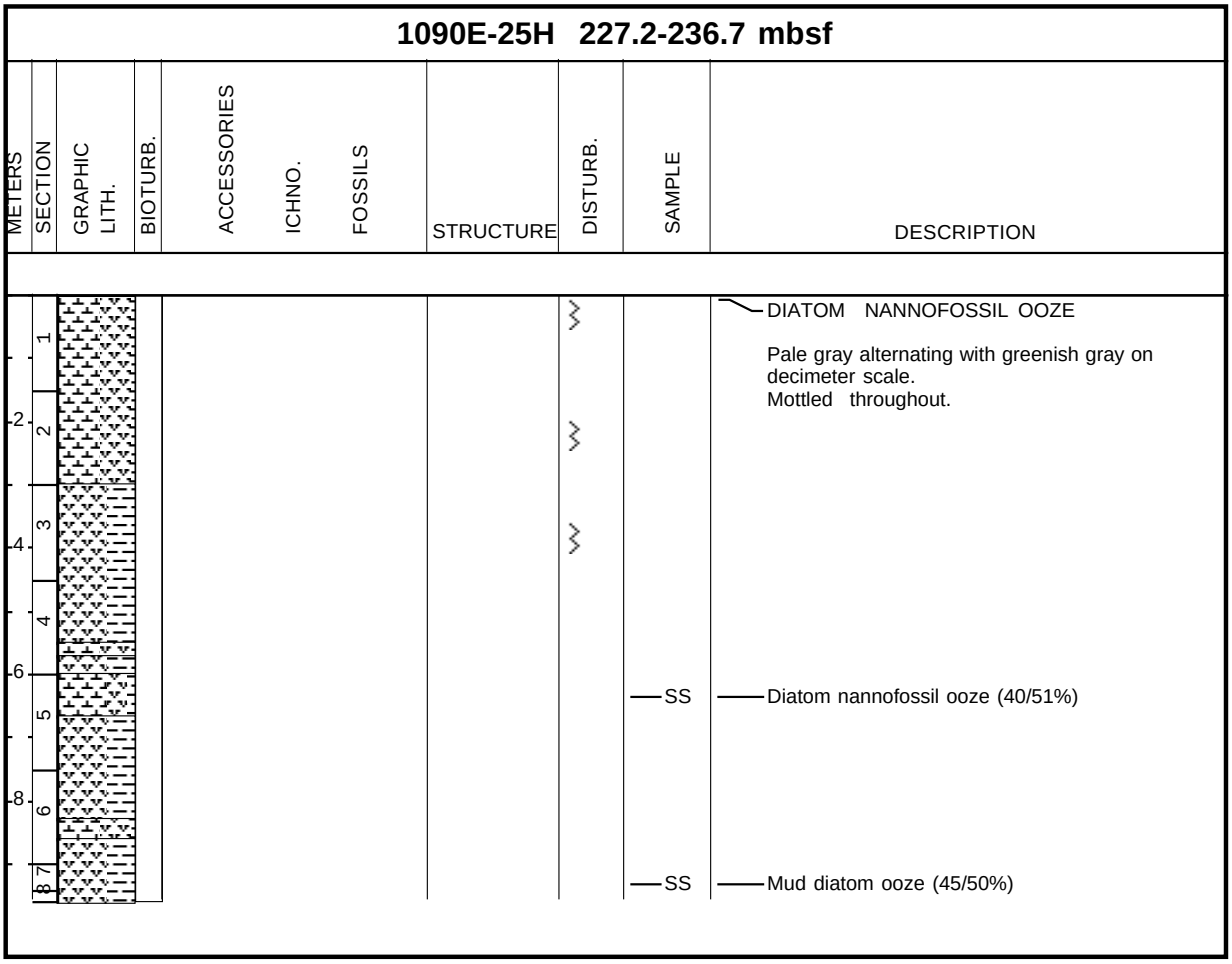
Core Photo


1090E-23H 208.2-217.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
5
2
4
SS
SS
SS
NANNOFOSSIL DIATOM OOZE
Pale to very pale greenish gray. One biscuited interval in 1, 72-82.
Nannofossil diatom ooze (35/51), 9% radiolarians, 5% mud
Diatom nannofossil ooze (20/70), 5% rads
Nannofossil diatom ooze (19/55), 9% radiolarians, 5% sponge spicules

Core Photo


1090E-24H 217.7-227.2 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM NANNOFOSSIL OOZE
Pale greenish gray. Greenish banding in Sec. 4, 49-63; Sec. 5, 90-149; Sec. 3, 119-126; Sec. 6, 14-53
SS
Diatom nannofossil ooze (20/80%)

Core Photo


1090E-25H 227.2-236.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM NANNOFOSSIL OOZE
Pale gray alternating with greenish gray on decimeter scale.
Mottled throughout.
SS
Diatom nannofossil ooze (40/51%)
SS
Mud diatom ooze (45/50%)

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		
1090	A	1	H	1	20	BD	x			5													5	15	60	20								95	Nannofossil- and diatom-bearing foraminifer ooze	
1090	A	1	H	1	145	AK	x			23									tr				23	30	37	9	1	t	t					77	mud nannofossil foraminifer ooze	
1090	A	1	H	2	84	AK	x			34									4				38	30	20	10	2	t						62	diatom- and foraminifer-bearing mud nannofossil ooze	
1090	A	1	H	3	127	AK	x			18									2				20	38	37	5	t	t						80	Mud-bearing foraminifer nannofossil ooze	
1090	A	1	H	4	120	BD	x			9													9	21	50	20								91	Diatom- and nannofossil-bearing foraminifer ooze	
1090	B	2	H	1	73	DW	x			2													2	67	30	tr	1		tr					98	foraminifer nannofossil ooze	
1090	B	2	H	2	45	DW	x																0	90	10									100	foraminifer-bearing nannofossil ooze	
1090	B	2	H	5	80	DW	x			1													1	96	3									99	Nannofossil ooze	
1090	B	2	H	7	45	WH	x			tr													0	85	15	tr	tr							100	foraminifer-bearing nannofossil ooze	
1090	B	3	H	3	90	WH	x																0	76	9	15								100	Diatom-bearing nannofossil ooze	
1090	B	4	H	3	94	DW	x			10	a	c	5										10	35	30	25	tr		tr					90	Mud-bearing diatom calcareous ooze	foraminifer fragments
1090	B	4	H	5	80	DW	x			5				3									8	70	17	5								92	foraminifer-bearing nannofossil ooze	
1090	B	5	H	1	130	SOC	x			3	t	t											3	67	20	10	t							97	Diatom- and foraminifer-bearing nannofossil ooze	
1090	B	5	H	1	142	WH	x																0	76	9	15								100	Diatom-bearing nannofossil ooze	
1090	B	5	H	2	61	DW	x			2													2	57	30	9	t		2					98	foraminifer nannofossil ooze	
1090	B	5	H	2	90	WH		x															0	65	35									100	Nannofossil foraminifer ooze	
1090	B	5	H	3	75	DW	x			1	p												1	90	3	5	t		1					99	Nannofossil ooze	
1090	B	5	H	4	75	DW	x			7	p												7	72	15	5	t		1					93	foraminifer-bearing nannofossil ooze	
1090	B	6	H	3	90	DW	x			tr													0	87	5	8	tr		tr					100	Nannofossil ooze	
1090	B	6	H	4	74	WH	x																0	75	10	15	tr		tr					100	Diatom- and foraminifer-bearing nannofossil ooze	
1090	B	7	H	2	56	SK	x			15													15	35	25	20	4	tr	1					85	mud- and diatom-bearing foraminfer nannofossil ooze	
1090	B	7	H	2	100	SK	x			5													5	80	5	10								95	diatom-bearing nannofossil ooze	
1090	B	7	H	3	103	SK	x			10													10	45	28	15	2	tr						90	mud- and diatom-bearing foraminfer nannofossil ooze	
1090	B	8	H	1	61	BD	x			5													5	70	15	10	tr	tr	tr					95	Diatom- and foraminifer-bearing nannofossil ooze	
1090	B	8	H	2	94	BD		x		tr													0	17	80	3								100	foraminifer ooze	
1090	B	8	H	2	98	BD	x			10													10	45	25	20	tr	tr	tr					90	mud- and diatom-bearing foraminfer nannofossil ooze	
1090	B	8	H	3	40	BD	x			tr													0	77	15	8	tr	tr	tr					100	foraminifer-bearing nannofossil ooze	
1090	B	8	H	4	104	BD		x								95							95	5		tr	tr		tr					5	vitric ash	
1090	B	8	H	4	137	BD		x		10						70							80	tr	tr	15	5							20	vitric ash	
1090	B	8	H	4	150	BD		x								80							80		20									20	foraminifer-bearing vitric ash	
1090	B	8	H	5	107	BD				10													10	90		tr		tr						90	mud-bearing nannofossil ooze	
1090	B	8	H	6	7	BD				40	P	P	P										40	60		tr		tr						60	mud nannofossil ooze	
1090	B	9	H	4	135	SK	x			40	P	P	P										40	60		tr	tr	tr						60	mud nannofossil ooze	
1090	B	9	H	6	142	SK	x			10													10	90		tr								90	mud-bearing nannofossil ooze	
1090	B	10	H	1	145	SK	x			10													10	89		1		tr						90	mud-bearing nannofossil ooze	
1090	B	10	H	2	49	SK	x			30													30	60		10	tr	tr						70	diatom-bearing mud nannofossil ooze	
1090	B	11	H	3	123	SK	x			10													10	65		25	tr							90	mud-bearing diatom nannofossil ooze	
1090	B	11	H	5	87	SK		x		60	P	P	P										60			40								40	diatom mud	
1090	B	12	H	1	50	SK	x			10													10	85		5								90	mud-bearing nannofossil ooze	
1090	B	12	H	5	7	SK		x		58													58	2		40								42	diatom mud	
1090	B	13	H	1	90	GF	x			15			A										15	65		20		tr	tr					85	Mud- and diatom-bearing nannofossil ooze	
1090	B	13	H	2	20	DW	x			25	A	C	A			A							25	35		30	7		3					75	mud diatom nannofossil ooze	
1090	B	13	H	5	71	GF	x			10		P	P			A							10	65		25	tr							90	Mud-bearing diatom nannofossil ooze	
1090	B	14	H	3	70	GF	x			10						A							10	70		20	tr		tr					90	Mud- and diatom-bearing nannofossil ooze	
1090	B	14	H	4	80	GF	x			20													20	5		40	5	10	20					80	Mud-bearing siliceous ooze	
1090	B	15	H	3	83	DW	x			15	C	P				1	P						16	50	5	24	4	tr	1					84	Diatom- and mud-bearing nannofossil ooze	
1090	B	15	H	5	50	GF	x			5												gl	5	80		15	tr	tr	tr					95	Diatom--bearing nannofossil ooze	
1090	B	16	H	2	100	DW	x																0	82	1	7	10							100	Radiolarian-bearing nannofossil ooze	
1090	B	16	H	4	90	DW	x			5													5	70	5	15	5							95	Diatom--bearing nannofossil ooze	
1090	B	17	H	3	35	WH	x			5	P												5	60		30	5							95	diatom nannofossil ooze	
1090	B	17	H	6	50	WH	x			30													30	5	tr	60	5							70	mud diatom ooze	
1090	B	18	H	2	13	AK		x		27						tr						1	28	35		30	7							72	mud diatom nannofossil ooze	

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		
1090	B	18	H	3	110	SK	x			54						1							55			40	tr	tr	5					45	diatom mud	
1090	B	18	H	7	8	SK		x		25													25	40		30	tr	tr	5					75	mud diatom nannofossil ooze	
1090	B	19	H	2	4	AK	x			53	P	P	P										53			45	tr	tr	2					47	mud diatom ooze	
1090	B	19	H	3	85	SK		x		10													10	60		30	tr	tr	tr					90	mud-bearing diatom nannofossil ooze	
1090	B	20	H	3	58	SK	x			50													50			45	2		3					50	diatom mud	
1090	B	20	H	5	49	AK		x		45													45	6		46	2		1					55	mud diatom ooze	
1090	B	20	H	6	70	SK	x			15													15	50		35	tr							85	Mud-bearing diatom nannofossil ooze	
1090	B	21	H	1	30	SK	x			10													10	60		30	tr	tr	tr					90	Mud-bearing diatom nannofossil ooze	
1090	B	21	H	6	55	SK	x			55													55	tr		45	tr	tr	tr					45	diatom mud	
1090	B	22	H	1	70	GF	x			20	AA		A										20			75		tr	5					80	mud-bearing diatom ooze	
1090	B	22	H	6	60	GF	x			20	A		A										20			75		tr	5					80	mud-bearing diatom ooze	
1090	B	22	H	7	10	GF	x			15	A		A										15			80	5	tr						85	mud-bearing diatom ooze	
1090	B	23	H	1	96	WH	x			20													20	1		60	19							80	mud-bearing diatom ooze	
1090	B	23	H	2	62	WH	x																0	75		20	5							100	radiolarian- and mud-bearing diatom ooze	
1090	B	23	H	7	113	WH	x			15													15	tr		60	25							85	diatom-bearing nannofossil ooze	
1090	B	24	H	1	49	WH	x			9													9	25		58	8							91	mud- and radiolarian-bearing diatom ooze	
1090	B	24	H	2	45	WH	x			9													9	62		25	4							91	nannofossil diatom ooze	
1090	B	24	H	6	94	WH	x			5													5	70		20	5							95	diatom nannofossil ooze	
1090	B	25	H	2	48	WH	x			5													5	50		40	5							95	diatom nannofossil ooze	
1090	B	25	H	3	94	WH	x			5													5	70		25	tr							95	nannofossil diatom ooze	
1090	B	26	H	5	10	GF	x			58													58			40			2					42	diatom mud	
1090	B	26	H	6	50	GF	x			15													15	60		20	1		4					85	mud- and diatom-bearing nannofossil ooze	
1090	B	27	H	2	104	SK	x			15													15	45		40								85	mud-bearing diatom nannofossil ooze	
1090	B	27	H	4	43	SK	x			35													35	8		40	15	tr	2					65	radiolarian-bearing mud diatom ooze	
1090	B	28	H	2	13	AK		x		15													15	38		38	10		1					87	radiolarian- and mud-bearing nannofossil diatom ooze	
1090	B	28	H	4	87	AK	x			25													25	5		65	5		tr					75	mud diatom ooze	
1090	B	28	H	6	65	AK		x		10													10	5		82	3		tr					90	diatom ooze	
1090	B	28	H	7	37	AK		x		10													10	3		85	2		tr					90	mud-bearing diatom ooze	
1090	B	29	H	1	145	SK	x			40													40			45	15		tr					60	radiolarian-bearing mud diatom ooze	
1090	B	29	H	2	144	SK	x			25													25	2		73	tr	tr						75	mud diatom ooze	
1090	B	29	H	3	12	AK		x		15													15			82	3		tr					85	mud diatom ooze	
1090	B	29	H	3	25	SK		x		18													18	2		80	tr	tr						82	mud-bearing diatom ooze	
1090	B	29	H	3	32	SK		x		15													15			85								85	mud-bearing diatom ooze	
1090	B	29	H	6	127	SK		x		16											15		31	9		60	tr							69	pyrite and mud-bearing diatom ooze	
1090	B	29	H	6	141	SK	x			10													10	50		40								90	mud-bearing nannofossil ooze	
1090	B	30	H	1	122	SK	x			10													10	40		40	10	tr	tr					90	radiolarian- and mud-bearing nannofossil diatom ooze	
1090	B	30	H	4	101	SK		x		8						5					15		28	25		35	12	tr						72	radiolarian- and pyrite-bearing nannofossil diatom ooze	
1090	B	30	H	6	119	SK		x		35													35	2		60	3	tr						65	mud diatom ooze	
1090	B	30	H	6	144	SK	x			25						2							27			50	20	tr	3					73	radiolarian-bearing mud diatom ooze	
1090	B	31	H	5	60	SK	x			10													10	45		30	15	tr						90	mud-and radiolarian-bearing diatom nannofossil ooze	
1090	B	31	H	5	70	SK	x			40													40	8		40	10	tr	2					60	radiolarian-bearing mud diatom ooze	
1090	B	31	H	5	132	SK		x		18													18	25		55	2	tr						82	mud-bearing nannofossil diatom ooze	
1090	B	32	X	1	10	SK		x		17													17	3		80	tr	tr						83	mud-bearing diatom ooze	
1090	B	32	X	1	50	SK	x			55													55			30	15							45	radiolarian-bearing diatom mud	
1090	B	32	X	2	30	SK	x			20													20	40		35	5							80	mud-bearing diatom nannofossil ooze	
1090	B	33	X	1	20	SK	x			20													20			63	15	tr	2					80	radiolarian- and mud-bearing diatom ooze	
1090	B	34	X	1	57	BD	x			20													20	tr		80	tr	tr	tr					80	mud-bearing diatom ooze	
1090	B	34	X	4	136	BD	x			15													15	55		30	tr							85	mud-bearing diatom nannofossil ooze	
1090	B	35	X	2	44	SK	x			50						tr							50	5		35	8	tr	2					50	diatom mud	
1090	B	35	X	5	70	SK	x			3													3	75		20	tr	2						97	diatom-bearing nannofossil ooze	
1090	B	36	X	5	87	DW	x			5													5	84		10	1							95	diatom-bearing nannofossil ooze	
1090	B	36	X	6	50	DW	x			50													50	9		35	5	tr	1					50	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		
1090	B	37	X	1	61	DW		x														100	100											0	chert	
1090	B	37	X	3	100	DW	x			50	A	C				tr	tr			tr			50	9		35	5		1					50	diatom mud	
1090	B	37	X	4	90	DW	x			5													5	84		10	1							95	diatom-bearing nannofossil ooze	
1090	B	38	X	2	43	DW	x			70			20	P		P			10	tr			100											0	carbonate-bearing mud	
1090	B	38	X	3	80	GF		x		100						P	P		P				100											0	mud	
1090	B	38	X	5	100	DW	x			1						tr							1	98		1								99	nannofossil ooze	
1090	B	39	X	1	10	GF	x			80													80	20										20	nannofossil-bearing mud	
1090	B	39	X	1	46	GF	x			70	P	P	P										70	30										30	nannofossil mud	
1090	B	39	X	3	85	WH	x			95	P												95	5										5	mud	
1090	B	39	X	4	146	GF	x			5													5	95										95	nannofossil ooze	
1090	B	39	X	5	72	WH		x		95	P	P	C						P				95	5										5	mud	
1090	B	39	X	7	20	GF	x			5													5	95										95	nannofossil ooze	
1090	B	40	X	1	72	SOC	x																0	85	15									100	foraminifer-bearing nannofossil ooze	
1090	B	40	X	1	106	DW	x			97							P						97	3										3	mud	
1090	B	40	X	2	100	WH	x			95													95	5										5	mud	
1090	B	40	X	3	104	DW	x			4							P						4	96										96	nannofossil ooze	
1090	B	41	X	1	15	WH	x			3													3	97										97	nannofossil ooze	
1090	B	41	X	1	104	WH	x			5													5	90	5									95	nannofossil ooze	
1090	B	41	X	3	11	DW	x																0	100										100	nannofossil ooze	
1090	B	41	X	3	108	DW	x			2													2	95	3									98	nannofossil ooze	
1090	B	42	X	2	91	SK	x			20													20	80										80	mud-bearing nannofossil ooze	
1090	B	42	X	3	140	SK		x		25													25	65	10									75	foraminifer-bearing mud nannofossil ooze	
1090	B	42	X	3	140	SK		x		20													20	75	15									90	foraminifer- and mud-bearing nannofossil ooze	
1090	B	42	X	6	42	SK	x			3													3	97										97	nannofossil ooze	
1090	B	43	X	1	30	SK	x			20													20	80										80	mud-bearing nannofossil ooze	
1090	B	43	X	5	1	SK	x			5													5	95										95	nannofossil ooze	
1090	B	43	X	5	144	SK		x	31	60													91	9										9	silty sand	
1090	D	1	H	1	79	BD	x			25													25	51	15	8	tr	tr	1					75	foraminifer-bearing mud nannofossil ooze	
1090	D	1	H	1	117	BD	x			5													5	36	50	9	tr	tr	tr					95	nannofossil foraminfer ooze	
1090	D	1	H	3	45	BD	x			20													20	44	20	15	tr	tr	1					80	foraminfer and mud-bearing nannofossil ooze	
1090	D	1	H	5	122	BD	x			8													8	60	25	7	tr	tr	tr					92	foraminifer nannofossil ooze	
1090	D	3	H	3	55	WH	x			50													50	tr	5	40	5							50	diatom mud	
1090	D	3	H	4	40	WH	x			tr													0	90	10	tr								100	foraminifer-bearing nannofossil ooze	
1090	D	4	H	2	100	GF	x			10													10	75		10	5							90	diatom- and mud-bearing nannofossil ooze	
1090	D	4	H	5	4	WH	x			50													50	tr	5	40	5							50	diatom mud	
1090	D	5	H	3	56	WH	x			15													15	45	10	30								85	foraminifer-bearing diatom mud	
1090	D	5	H	3	58	DW	x			5													5	45	20	15	5	5	5					95	siliceous calcareous mud	
1090	D	5	H	3	102	GF	x			15													15	60	5	15	5							85	mud-bearing siliceous nannofossil ooze	
1090	D	5	H	4	20	GF	x			15													15	60	5	15		tr	5					85	Mud- and diatom-bearing nannofossil ooze	
1090	D	6	H	2	53	GF	x			10													10	70	5	15								90	Mud- and diatom-bearing nannofossil ooze	
1090	D	6	H	2	60	GF	x			5													5	85		10								95	diatom-bearing nannofossil ooze	
1090	D	6	H	2	75	GF	x			5													5	80		15								95	diatom-bearing nannofossil ooze	
1090	D	7	H	2	25	SOC		x		15													15	64	5	15	1		tr					85	Mud- and diatom-bearing nannofossil ooze	
1090	D	7	H	3	101	SOC		x															0	44	50	5			1					100	nannofossil foraminifer ooze	
1090	D	7	H	4	8	DW	x			2													2	86	5	5	1	1						98	nannofossil ooze	
1090	D	7	H	6	23	DW	x			3													3	76	15	5	1	tr						97	foraminifer-bearing nannofossil ooze	
1090	D	8	H	1	9	BD	x			8													8	77	10	5			tr					92	foraminifer-bearing nannofossil ooze	
1090	D	8	H	1	74	BD	x			5													5	85	5	5								95	nannofossil ooze	
1090	D	8	H	3	140	BD	x			43													43	50		5			2					57	mud nannofossil ooze	
1090	D	8	H	4	36	BD	x			20													20	77		3			tr					80	mud-bearing nannofossil ooze	
1090	D	10	H	2	20	SK	x			10													10	75		12	1	tr	2					90	mud- and diatom-bearing nannofossil ooze	
1090	D	10	H	3	2	SK	x			7													7	85	tr	8	tr	tr						93	nannofossil ooze	

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		
1090	D	10	H	6	136	SK	x			50						tr							50			37	10	tr	3					50	radiolarian bearing diatom mud	
1090	D	11	H	2	43	SK	x			50													50	10		30	7	tr	3					50	nannofossil bearing diatom mud	
1090	D	11	H	4	42	SK	x			5													5	89		5		tr	1					95	nannofossil ooze	
1090	D	12	H	4	85	SK	x			5													5	70		22	3	tr	tr					95	diatom-bearing nannofossil ooze	
1090	D	12	H	6	110	SK	x			50													50			38	10	tr	2					50	radiolarian bearing diatom mud	
1090	D	13	H	1	70	WH	x			20	P	P											20	tr		75	5							80	mud-bearing diatom ooze	
1090	D	13	H	4	91	DW	x			52	C	C				tr							52	8		30	5	tr	5					48	diatom mud	
1090	D	13	H	6	43	DW	x			5													5	70	5	15	4	tr	1					95	silica-bearing nannofossil ooze	
1090	D	14	H	1	99	WH	x			20													20	20	tr	55	5							80	mud- and nannofossil-bearing diatom ooze	
1090	D	14	H	3	138	DW	x			50	C	P	A	P			tr			tr			50	20	5	15	5		5					50	nannofossil-bearing siliceous mud	
1090	D	14	H	4	99	WH	x			5													5	80		10	5							95	siliceous nannofossil ooze	
1090	D	15	H	1	27	WH	x			1													1	84		15								99	diatom-bearing nannofossil ooze	
1090	D	15	H	3	135	DW	x			5							tr						5	70	5	15	5							95	diatom-bearing nannofossil ooze	
1090	D	16	H	2	70	DW	x			30													30	20		40	9	1						70	nannofossil-bearing mud siliceous ooze	
1090	D	16	H	5	5	DW	x			1													1	84		10	5	tr						99	silica-bearing nannofossil ooze	
1090	D	17	H	4	70	DW	x			30													30	10	tr	50	10							70	nannofossil-bearing mud siliceous ooze	
1090	D	18	H	1	55	GF	x			73	C	P	P	P			P						73	tr		20	5		2					27	siliceous mud	
1090	D	18	H	6	42	GF	x			5													5	75		15			5					95	silica-bearing nannofossil ooze	
1090	D	19	H	2	21	GF	x			2													2	83		15	tr		tr					98	diatom-bearing nannofossil ooze	
1090	D	19	H	3	133	GF	x			66													66	9		23	2		tr					34	siliceous mud	
1090	D	20	H	1	53	SK		x		10													10	45		40	5	tr						90	mud-bearing diatom nannofossil ooze	
1090	D	20	H	4	108	SK		x		20													20	20		60								80	mud and nannofossil-bearing diatom ooze	
1090	D	20	H	6	115	SK	x			50													50			40	7		3					50	diatom mud	
1090	D	21	H	1	110	SK		x		20													20	20		56	2	1	1					80	nannofossil and mud-bearing diatom ooze	
1090	D	21	H	1	118	SK		x		20													20	17		60	2	1						80	nannofossil and mud-bearing diatom ooze	
1090	D	22	H	2	20	AK		x		5													5			95								95	diatom ooze	
1090	D	22	H	2	70	AK	x			35													35			57	7		1					65	mud diatom ooze	
1090	D	22	H	4	130	AK	x			8													8	45		38	7		2					92	diatom nannofossil ooze	
1090	D	23	H	2	40	SK	x			25													25	15		46	9	1	4					75	nannofossil bearing mud diatom ooze	
1090	D	23	H	4	30	SK		x		65													65	5		30	tr		tr					35	diatom mud	
1090	D	23	H	5	83	SK	x		9														9	56		20	15		tr					91	radiolarian and diatom bearing nannofossil ooze	
1090	D	24	H	2	100	AK	x			10													10	73		10	5		2					90	diatom and mud-bearing nannofossil ooze	
1090	D	24	H	4	145	AK	x			15													15	45		34	5	tr	1					85	mud-bearing diatom nannofossil ooze	
1090	E	1	H	3	115	SK	x			25													25	55	tr	20	tr	tr						75	diatom-bearing mud nannofossil ooze	
1090	E	2	H	2	58	SK	x			15													15	60	5	20	tr							85	mud- and diatom-bearing nannofossil ooze	
1090	E	3	H	1	140	SK	x			30													30	35	5	30	tr							70	mud diatom nannofossil ooze	
1090	E	3	H	4	2	AK		x		59													59	tr		40	1	tr	tr					41	diatom mud	
1090	E	4	H	2	2	AK		x		35									2				37	35	15	13	tr							63	diatom-baring mud carbonate ooze	
1090	E	4	H	3	46	AK		x	5	42									10				57	5	35	2	1	tr	tr					43	foraminifer mud	
1090	E	5	H	4	120	SK	x		10	40									5				55	5	30	5	3		2					45	foraminifer mud	
1090	E	6	H	2	88	SK	x			3													3	52	30	15	tr							97	diatom-bearing foraminifer nannofossil ooze	
1090	E	6	H	4	55	SK		x		5													5	15	80									95	nannofossil-bearing foraminifer ooze	
1090	E	8	H	5	70	AK	x			75													75	8		5	10	1	1					25	radiolarian-bearing mud	
1090	E	8	H	6	135	AK		x		5													5	94		1	tr		tr					95	nannofossil ooze	
1090	E	9	H	1	120	SK	x			5													5	90		3	tr		2					95	nannofossil ooze	
1090	E	9	H	2	144	SK	x			50													50	9		25	15	tr	1					50	diatom mud	
1090	E	9	H	6	89	SK	x			5													5	80	tr	15	tr	tr						95	diatom-bearing nannofossil ooze	
1090	E	11	H	6	35	BD	x			10													10	70	tr	18	2	tr	tr					90	mud- and diatom-bearing nannofossil ooze	
1090	E	11	H	6	70	BD	x			58													58	5		25	10		2					42	radiolarian-bearing diatom mud	
1090	E	12	H	2	40	GF	x			10													10	55	10	20	3		2					90	mud- and foraminifer-bearing siliceous nannofossil ooze	
1090	E	12	H	5	50	WH	x			10													10			80	10							90	mud- and radiolarian-bearing diatom ooze	
1090	E	13	H	2	96	WH	x			40						P							40			53	5	2						60	mud diatom ooze	

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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		
1090	E	13	H	6	70	DW	x			2													2	79		15	2		2					98	diatom-bearing nannofossil ooze	
1090	E	14	H	1	87	DW	x			39													39	10		45	5		1					61	nannofossil-bearing mud siliceous ooze	
1090	E	14	H	2	80	DW	x			2													2	80		15	2		1					98	diatom-bearing nannofossil ooze	
1090	E	15	H	2	113	GF	x			10													10	70	10	5	5							90	mud-bearing nannofossil ooze	
1090	E	15	H	6	70	GF		x		20													20	20		55	4		1					80	mud- and nannofossil-bearing diatom ooze	
1090	E	16	H	3	135	GF	x			3													3	66		20	10		1					97	siliceous nannofossil ooze	
1090	E	16	H	6	45	GF	x			40													40			50	9	1						60	mud diatom ooze	
1090	E	17	H	2	113	DW	x			43													43	2		50	4		1					57	mud diatom ooze	
1090	E	18	H	2	140	WH	x			15													15			75	5	5						85	mud diatom ooze	
1090	E	18	H	3	60	WH	x																0	55		40	5							100	mud-bearing diatom ooze	
1090	E	19	H	4	96	WH	x			5													5	5		90								95	diatom ooze	
1090	E	19	H	5	50	DW	x			5													5	50		43	2							95	diatom nannofossil ooze	
1090	E	19	H	6	110	DW	x			20													20	24		50	5		1					80	mud- and nannofossil-bearing diatom ooze	
1090	E	20	H	1	120	WH	x			5													5	20		75								95	nannofossil diatom ooze	
1090	E	20	H	6	120	WH	x			24													24			70	5		1					76	mud-bearing diatom ooze	
1090	E	21	H	2	90	DW	x			41													41			50	5		4					59	mud diatom ooze	
1090	E	21	H	5	135	DW		x		10						10							20	5		70	4		1					80	volcanic glass- and mud-bearing diatom ooze	
1090	E	22	H	2	140	WH		x															0	85		12			3					100	diatom-bearing nannofossil ooze	
1090	E	22	H	6	62	WH	x			10	P	P											10			90								90	mud-bearing diatom ooze	
1090	E	23	H	1	79	WH	x			5													5	35		51	9							95	nannofossil diatom ooze	
1090	E	23	H	2	70	WH	x			5													5	70		20	5							95	diatom-bearing nannofossil ooze	
1090	E	23	H	3	70	WH	x			2													2	29		55	9		5					98	nannofossil diatom ooze	
1090	E	24	H	4	100	GF	x			2													2	78		20								98	diatom-bearing nannofossil ooze	
1090	E	25	H	5	30	GF	x			9													9	51		40								91	diatom nannofossil ooze	
1090	E	25	H	7	27	GF	x			45													45			50	4	1						55	mud diatom ooze	