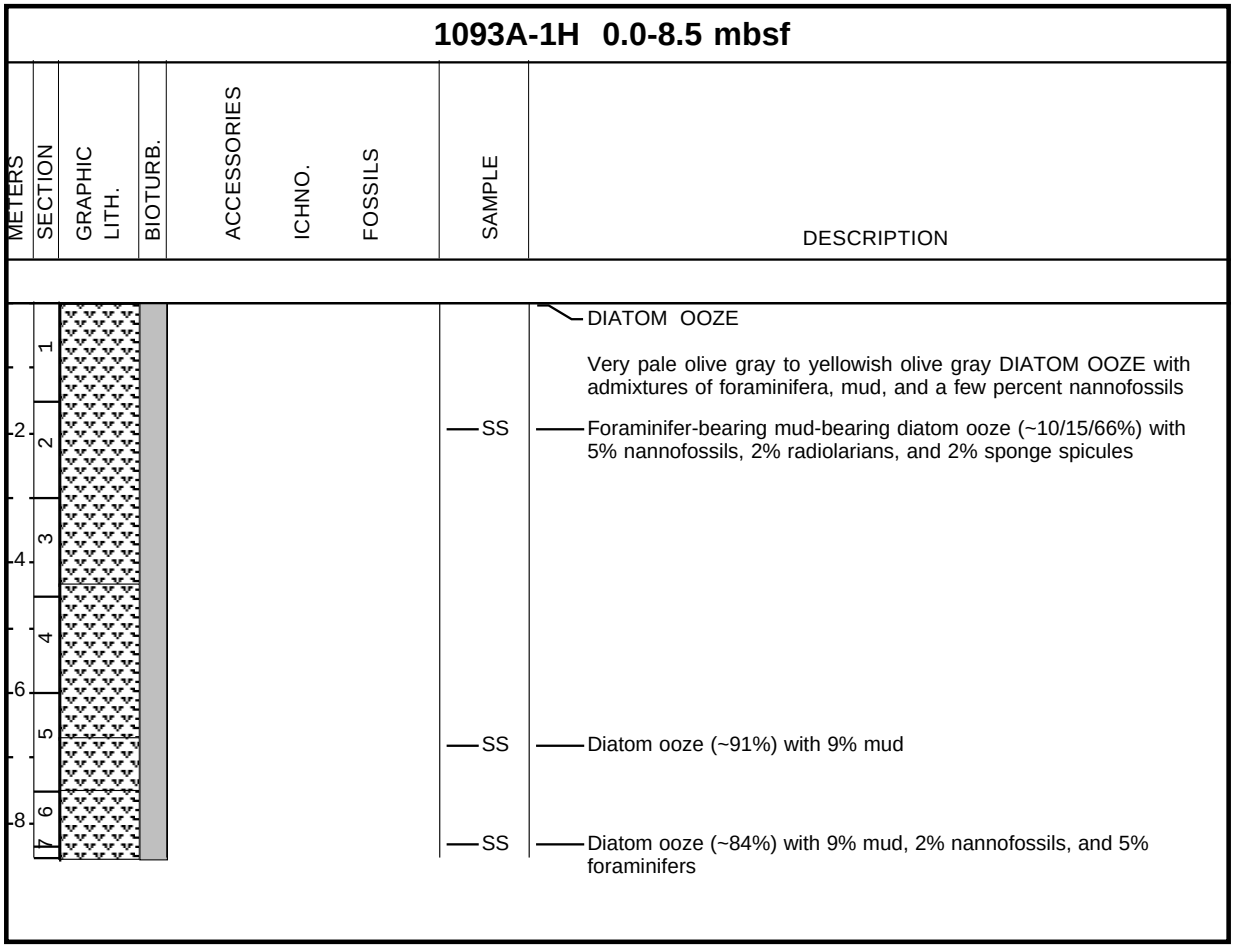
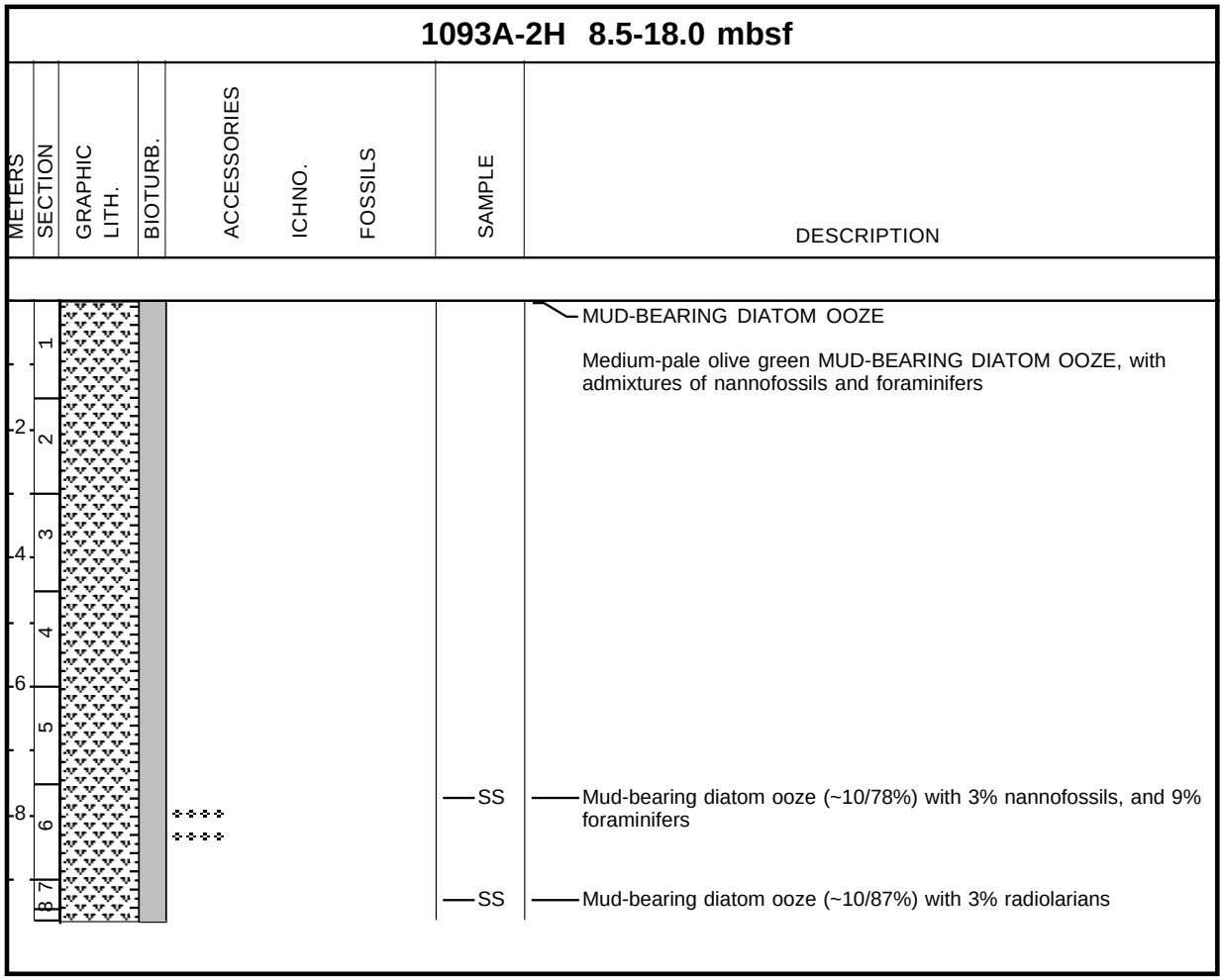
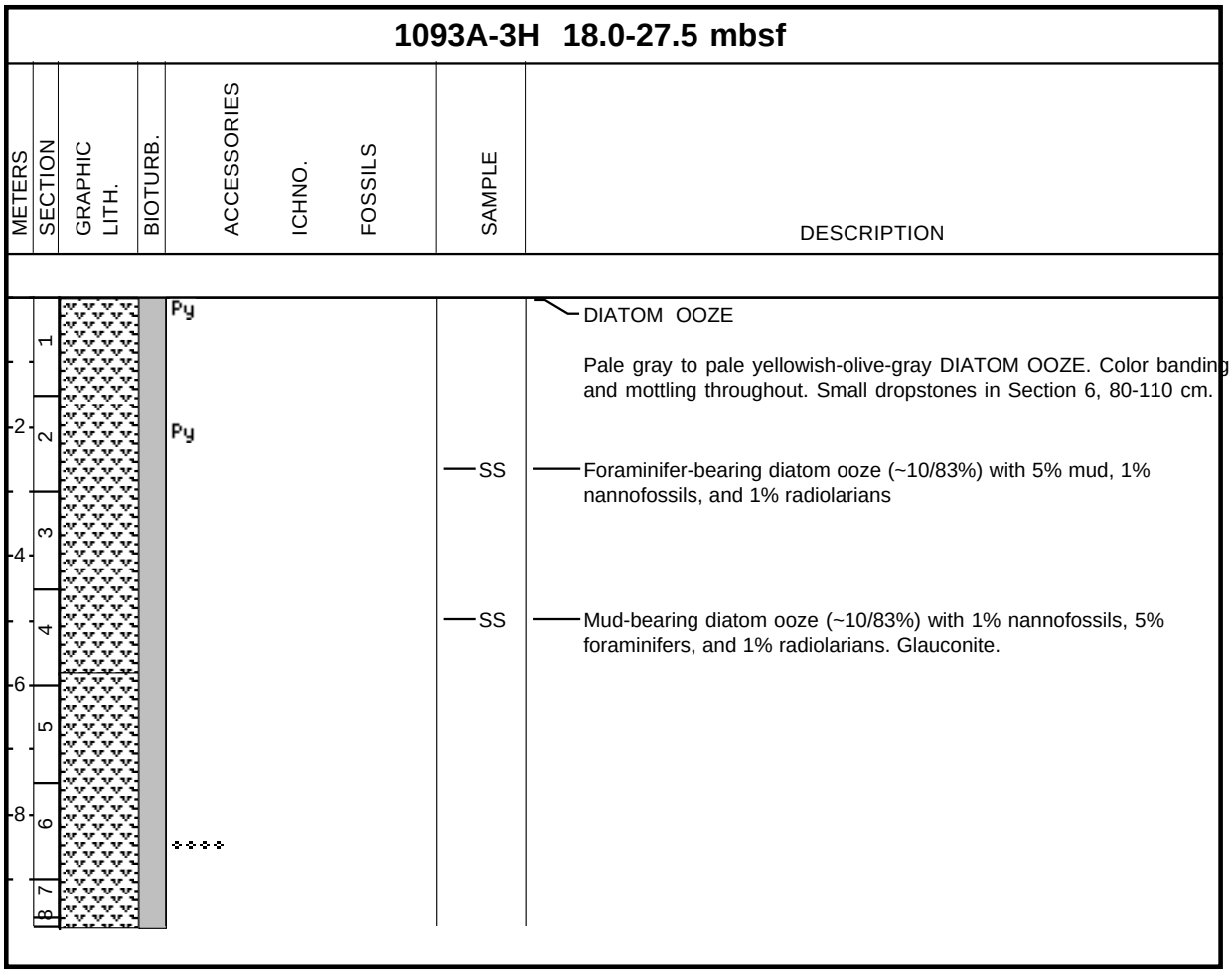
Core Photo


1093A-1H 0.0-8.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
DIATOM OOZE
Very pale olive gray to yellowish olive gray DIATOM OOZE with admixtures of foraminifera, mud, and a few percent nannofossils
SS
Foraminifer-bearing mud-bearing diatom ooze (~10/15/66%) with 5% nannofossils, 2% radiolarians, and 2% sponge spicules
SS
Diatom ooze (~91%) with 9% mud
SS
Diatom ooze (~84%) with 9% mud, 2% nannofossils, and 5% foraminifers

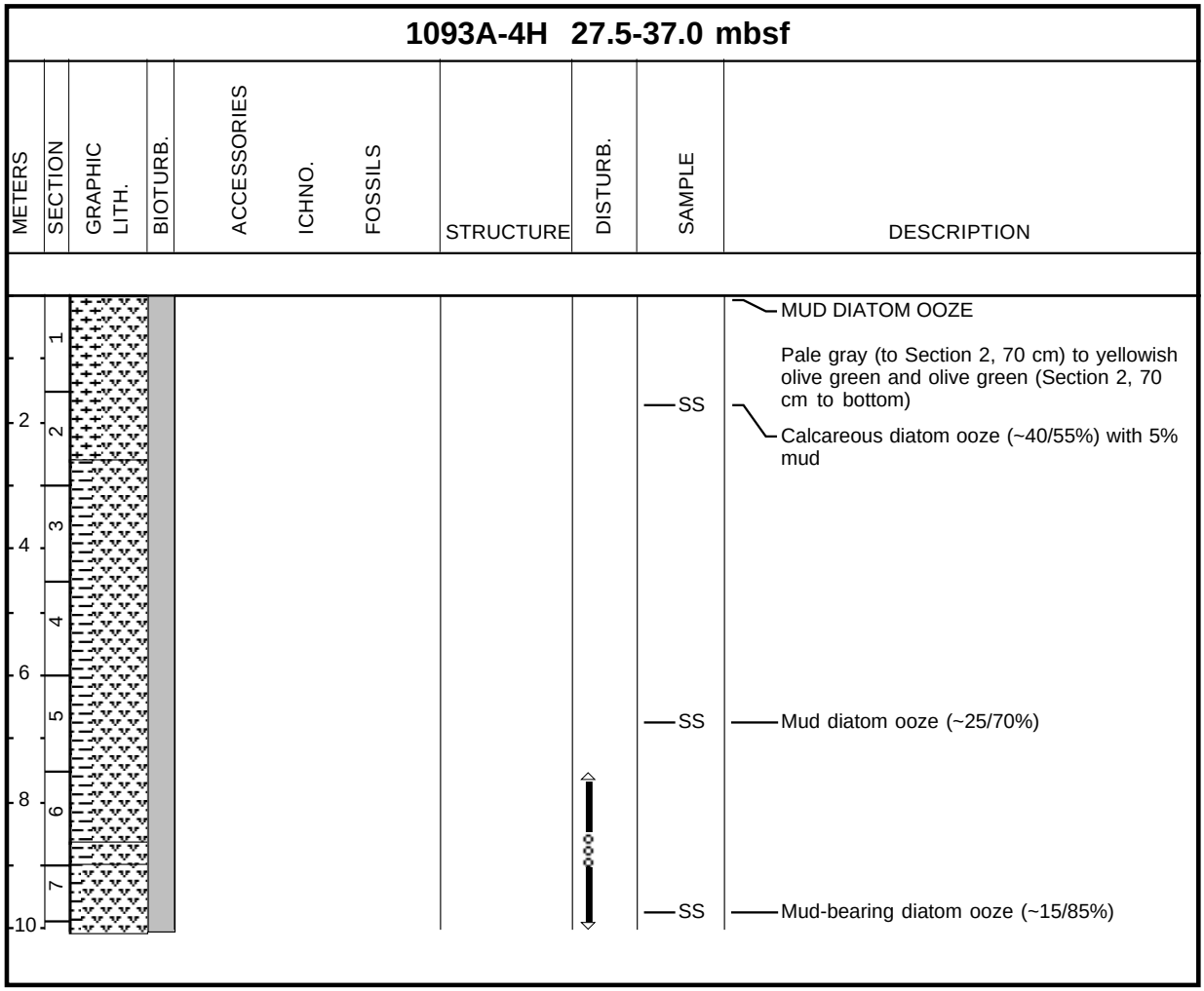
Core Photo


1093A-2H 8.5-18.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
MUD-BEARING DIATOM OOZE
Medium-pale olive green MUD-BEARING DIATOM OOZE, with admixtures of nannofossils and foraminifers
SS
Mud-bearing diatom ooze (~10/78%) with 3% nannofossils, and 9% foraminifers
SS
Mud-bearing diatom ooze (~10/87%) with 3% radiolarians

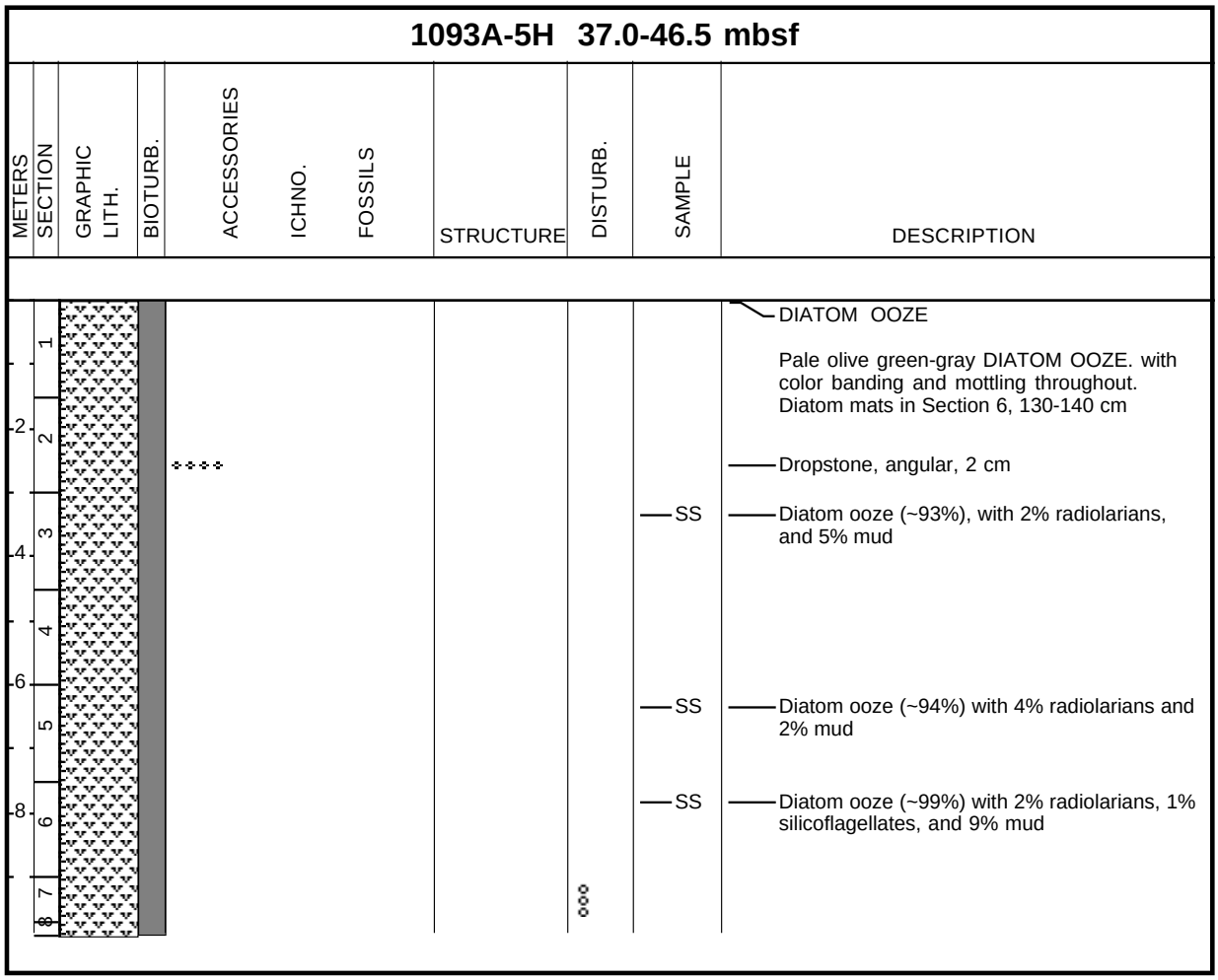
Core Photo


1093A-3H 18.0-27.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
Py
Py
SS
SS
DIATOM OOZE
Pale gray to pale yellowish-olive-gray DIATOM OOZE. Color banding and mottling throughout. Small dropstones in Section 6, 80-110 cm.
Foraminifer-bearing diatom ooze (~10/83%) with 5% mud, 1% nannofossils, and 1% radiolarians
Mud-bearing diatom ooze (~10/83%) with 1% nannofossils, 5% foraminifers, and 1% radiolarians. Glauconite.

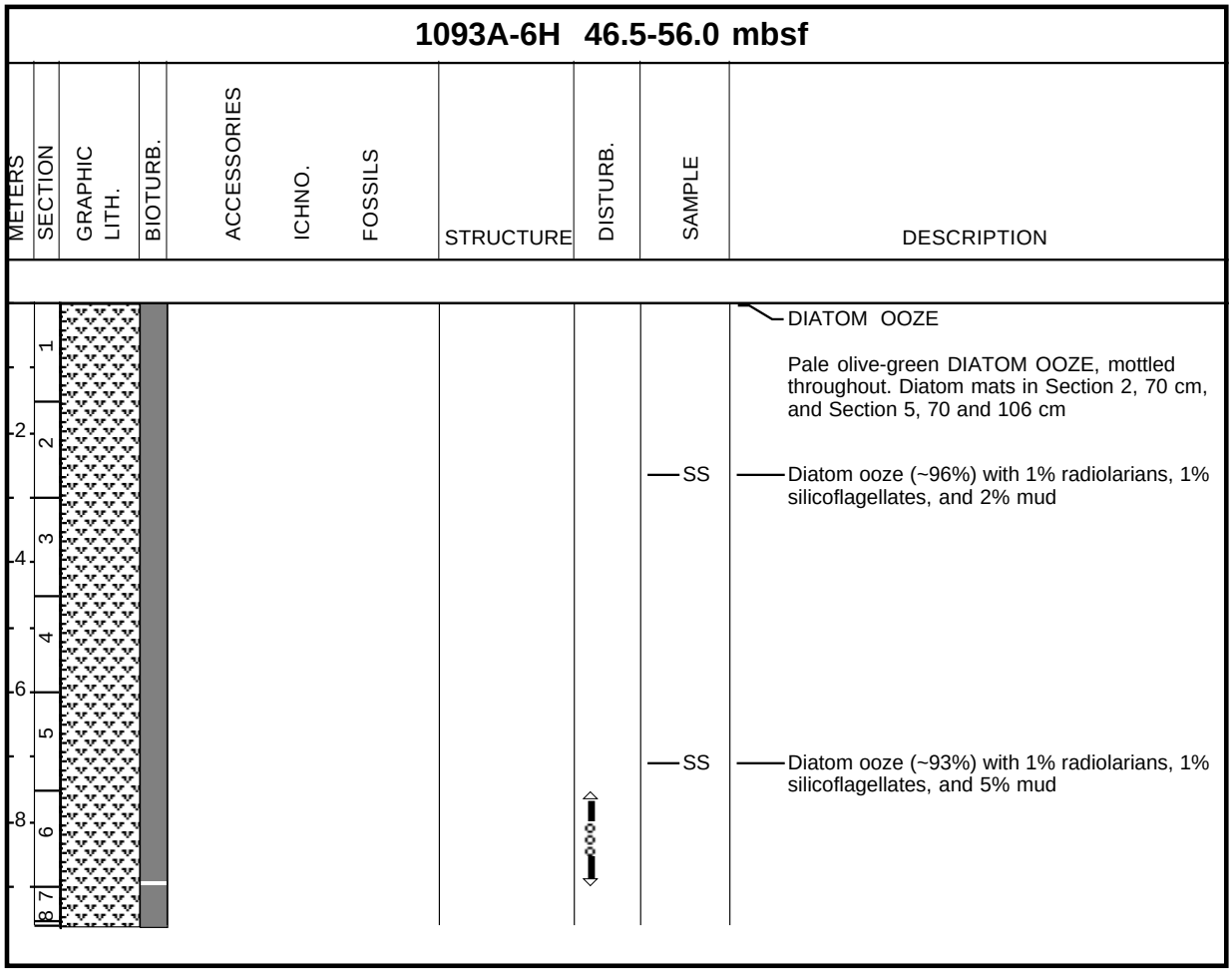
Core Photo


1093A-4H 27.5-37.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
2
4
6
8
10
1
2
3
4
5
6
7
SS
SS
SS
MUD DIATOM OOZE
Pale gray (to Section 2, 70 cm) to yellowish olive green and olive green (Section 2, 70 cm to bottom)
Calcareous diatom ooze (~40/55%) with 5% mud
Mud diatom ooze (~25/70%)
Mud-bearing diatom ooze (~15/85%)

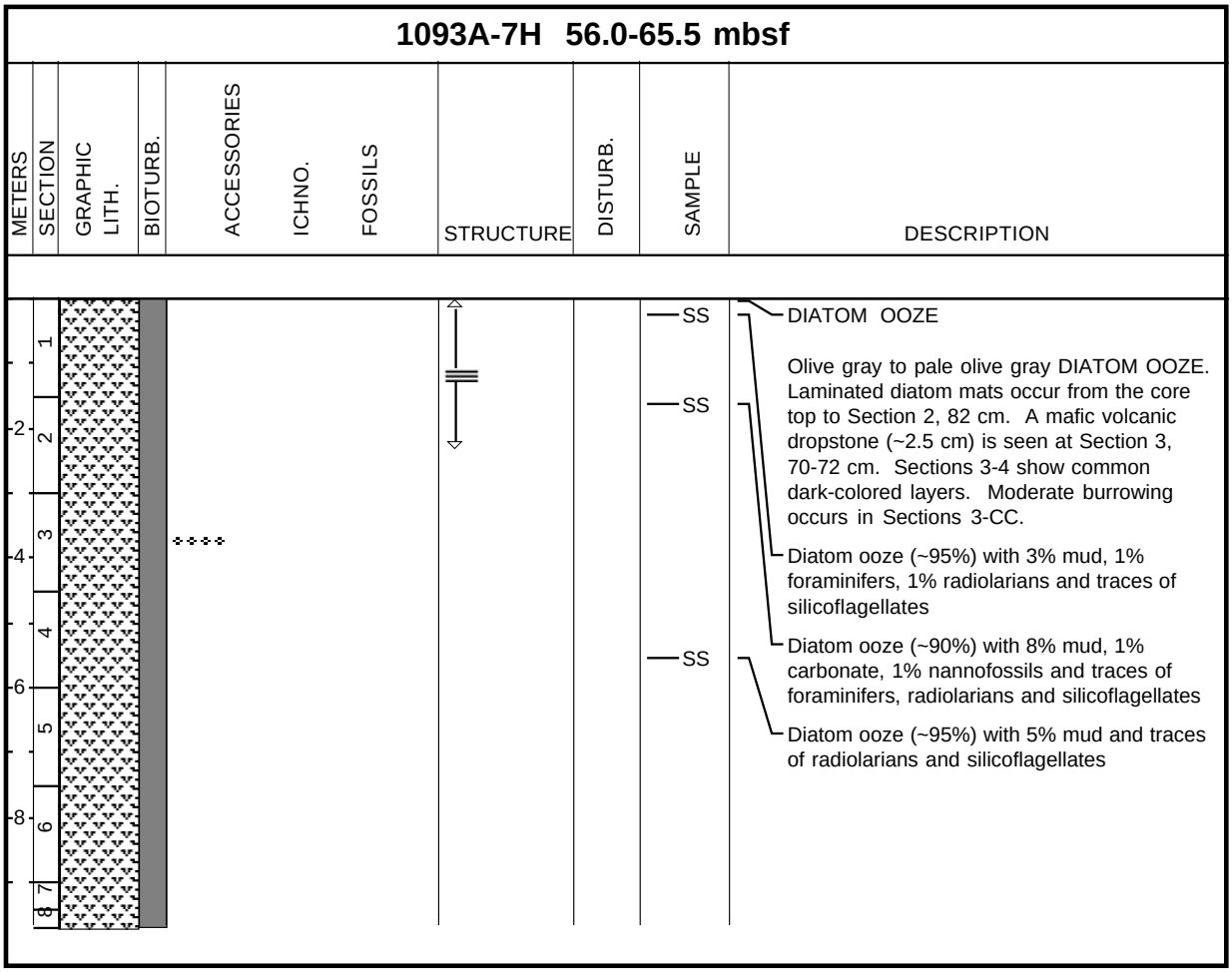
Core Photo


1093A-5H 37.0-46.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Pale olive green-gray DIATOM OOZE. with color banding and mottling throughout. Diatom mats in Section 6, 130-140 cm
Dropstone, angular, 2 cm
SS
Diatom ooze (~93%), with 2% radiolarians, and 5% mud
SS
Diatom ooze (~94%) with 4% radiolarians and 2% mud
SS
Diatom ooze (~99%) with 2% radiolarians, 1% silicoflagellates, and 9% mud

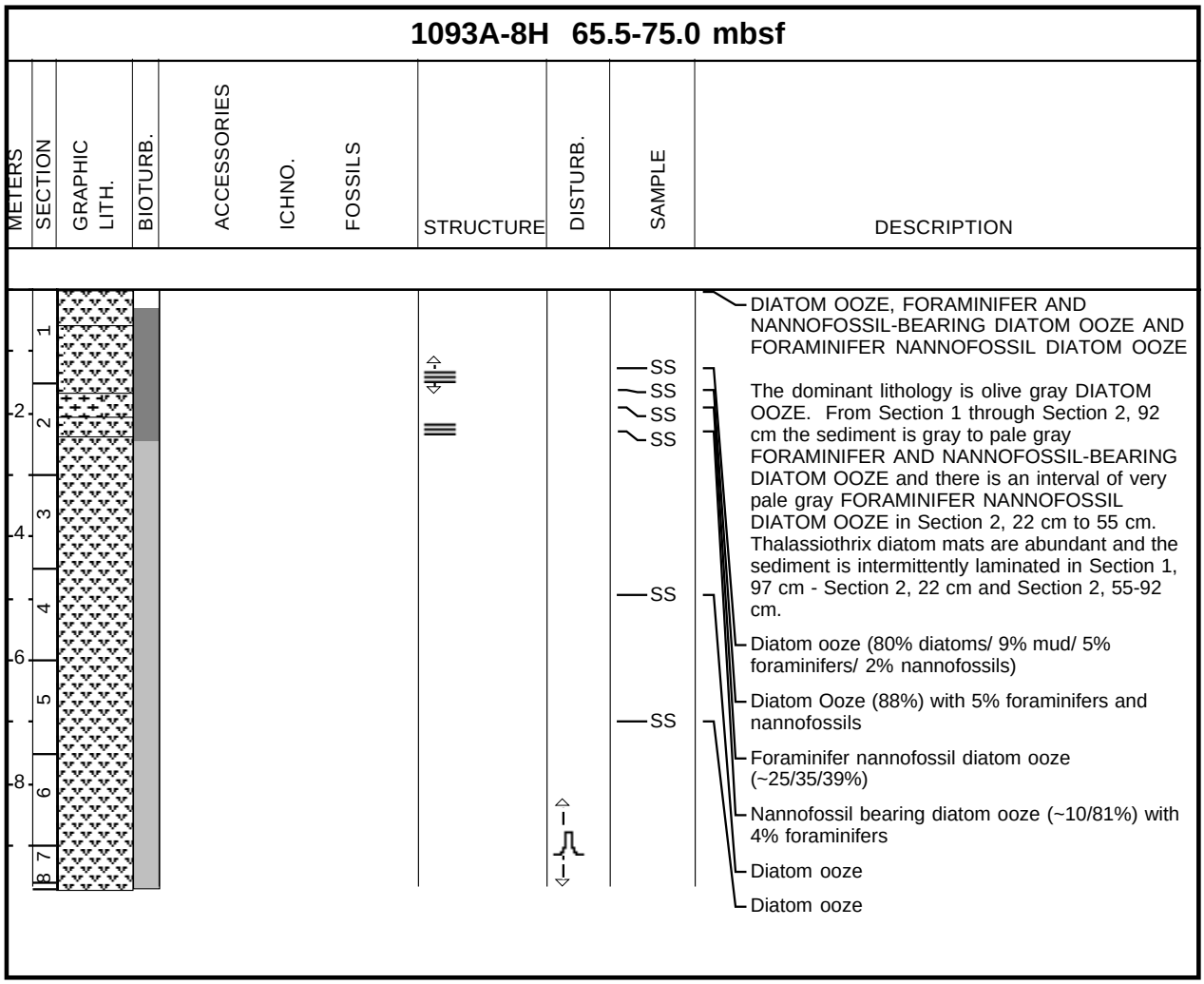
Core Photo


1093A-6H 46.5-56.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Pale olive-green DIATOM OOZE, mottled throughout. Diatom mats in Section 2, 70 cm, and Section 5, 70 and 106 cm
SS
Diatom ooze (~96%) with 1% radiolarians, 1% silicoflagellates, and 2% mud
SS
Diatom ooze (~93%) with 1% radiolarians, 1% silicoflagellates, and 5% mud

Core Photo


1093A-7H 56.0-65.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE
Olive gray to pale olive gray DIATOM OOZE. Laminated diatom mats occur from the core top to Section 2, 82 cm. A mafic volcanic dropstone (~2.5 cm) is seen at Section 3, 70-72 cm. Sections 3-4 show common dark-colored layers. Moderate burrowing occurs in Sections 3-CC.
Diatom ooze (~95%) with 3% mud, 1% foraminifers, 1% radiolarians and traces of silicoflagellates
Diatom ooze (~90%) with 8% mud, 1% carbonate, 1% nannofossils and traces of foraminifers, radiolarians and silicoflagellates
Diatom ooze (~95%) with 5% mud and traces of radiolarians and silicoflagellates

Core Photo

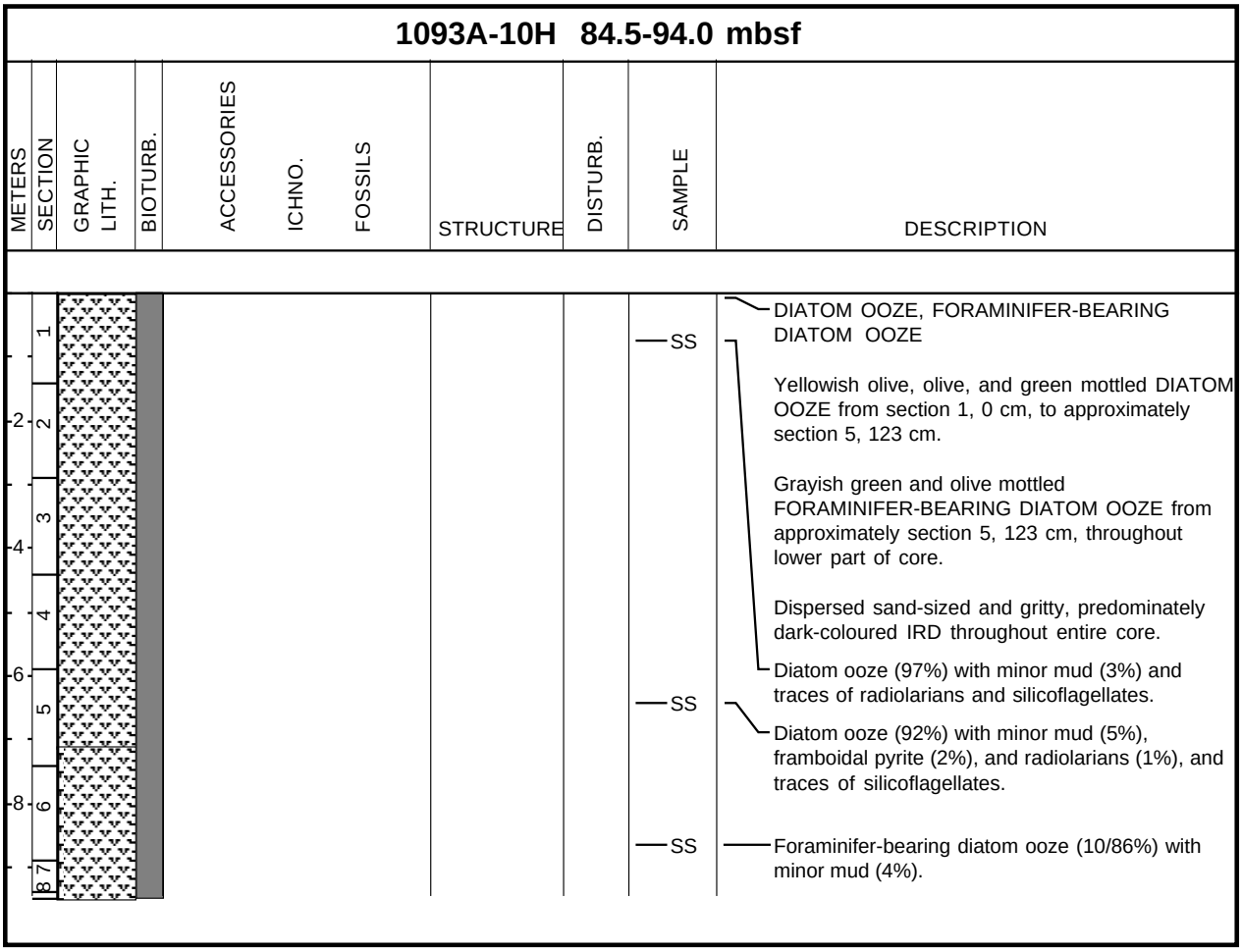

1093A-8H 65.5-75.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
SS
DIATOM OOZE, FORAMINIFER AND NANNOFOSSIL-BEARING DIATOM OOZE AND FORAMINIFER NANNOFOSSIL DIATOM OOZE
The dominant lithology is olive gray DIATOM OOZE. From Section 1 through Section 2, 92 cm the sediment is gray to pale gray FORAMINIFER AND NANNOFOSSIL-BEARING DIATOM OOZE and there is an interval of very pale gray FORAMINIFER NANNOFOSSIL DIATOM OOZE in Section 2, 22 cm to 55 cm. Thalassiothrix diatom mats are abundant and the sediment is intermittently laminated in Section 1, 97 cm - Section 2, 22 cm and Section 2, 55-92 cm.
Diatom ooze (80% diatoms/ 9% mud/ 5% foraminifers/ 2% nannofossils)
Diatom Ooze (88%) with 5% foraminifers and nannofossils
Foraminifer nannofossil diatom ooze (~25/35/39%)
Nannofossil bearing diatom ooze (~10/81%) with 4% foraminifers
Diatom ooze
Diatom ooze

Core Photo

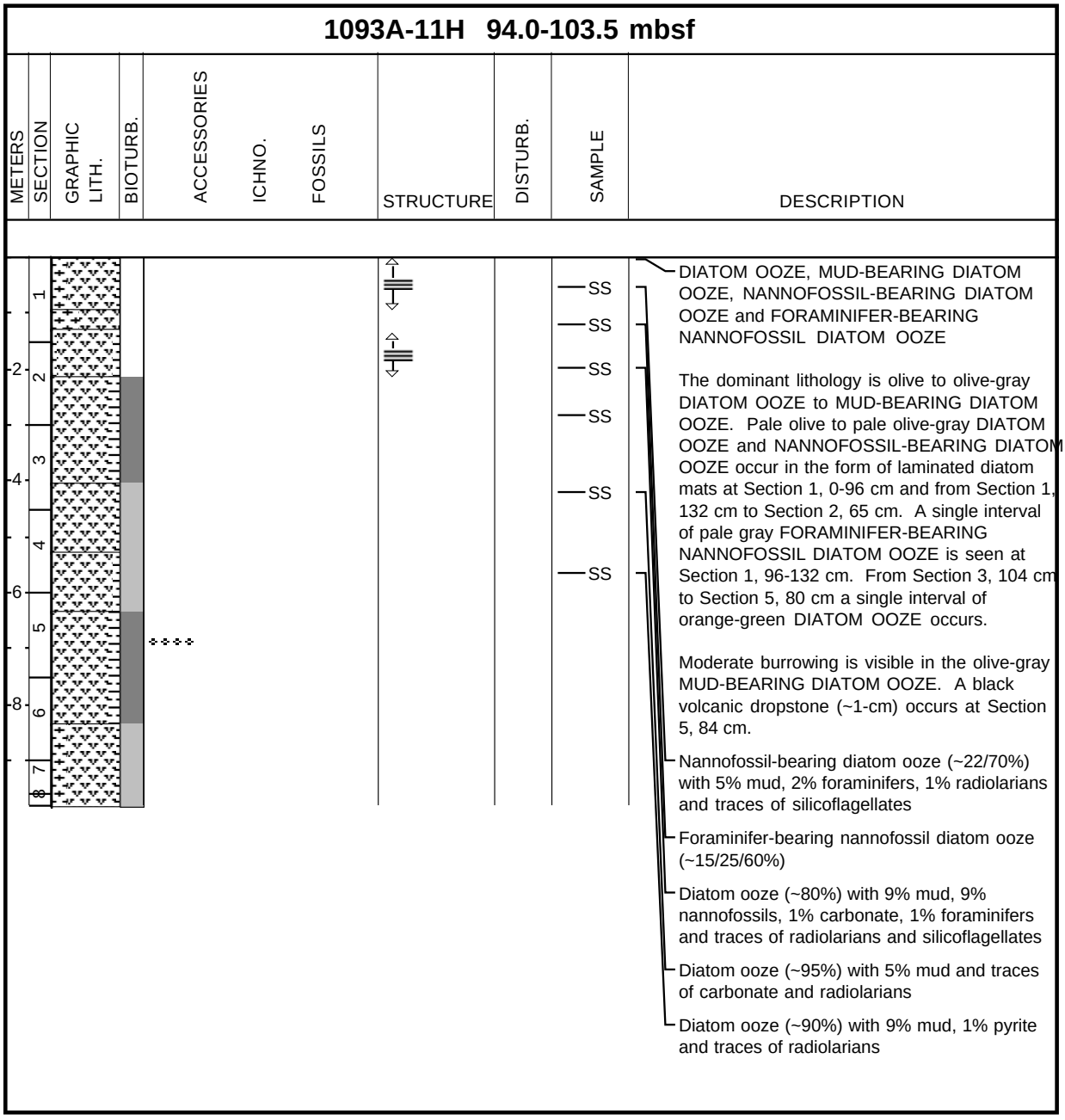
1093A-9H 75.0-84.5 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES / ICHNO. / FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
2	1						SS	DIATOM OOZE The lithology consists of olive to olive-gray DIATOM OOZE with light and dark color-banding. Diatom mats occur in Section 4, 10-133 cm and from Section 5, 12 cm to Section 6, 110 cm. A large (>4 cm) gabbro dropstone is seen at Section 5, 131-135 cm. Diatom ooze (~90%) with 9% mud, 1% radiolarians and traces of silicoflagellates
4	3							
6	4						SS	Diatom ooze (~95%) with 5% mud and traces of radiolarians and silicoflagellates
8	5							
	6						SS	Diatom ooze (~95%) with 5% mud and traces of radiolarians and silicoflagellates
	CC 7							

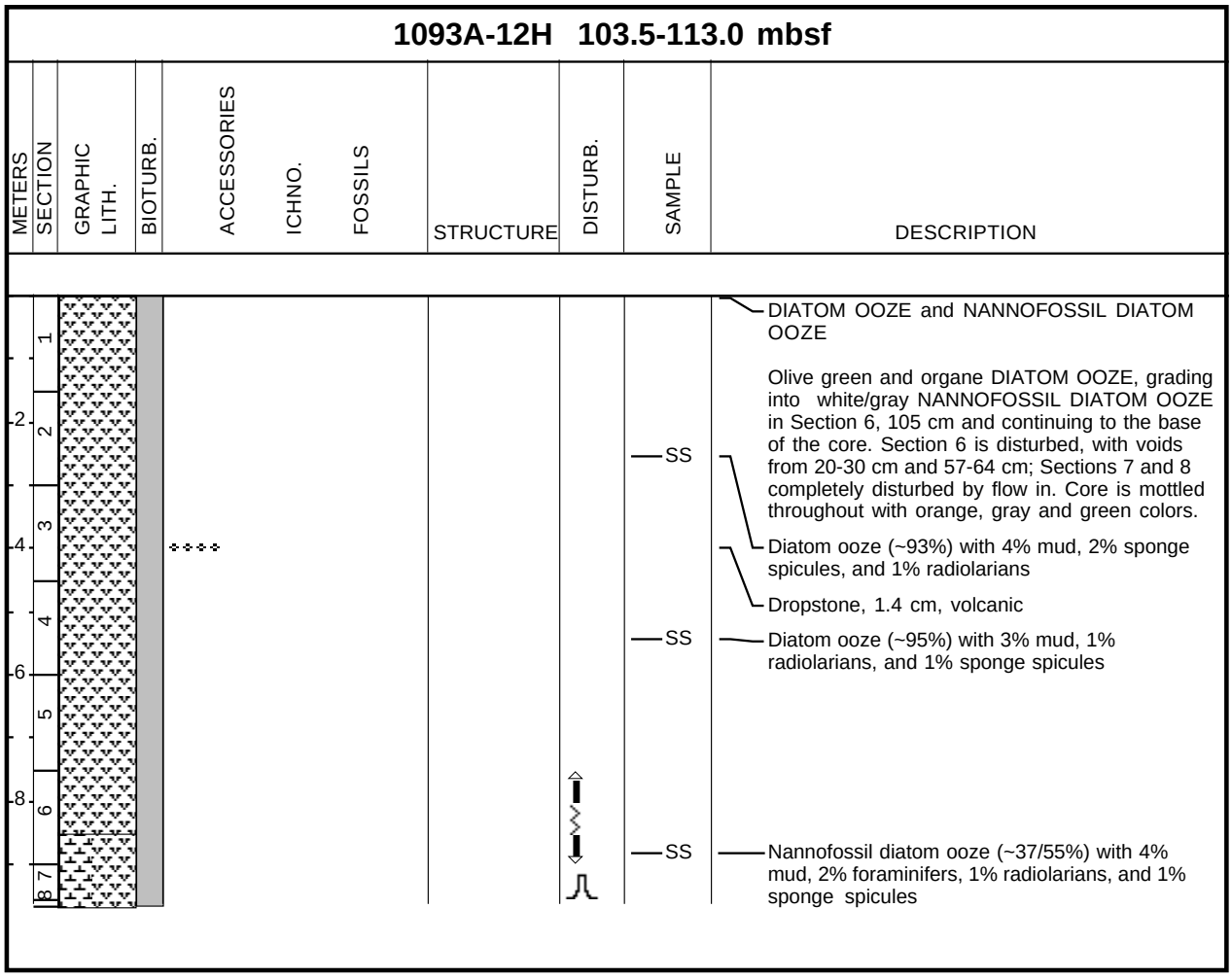
Core Photo


1093A-10H 84.5-94.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE, FORAMINIFER-BEARING DIATOM OOZE
Yellowish olive, olive, and green mottled DIATOM OOZE from section 1, 0 cm, to approximately section 5, 123 cm.
Grayish green and olive mottled FORAMINIFER-BEARING DIATOM OOZE from approximately section 5, 123 cm, throughout lower part of core.
Dispersed sand-sized and gritty, predominately dark-coloured IRD throughout entire core.
Diatom ooze (97%) with minor mud (3%) and traces of radiolarians and silicoflagellates.
Diatom ooze (92%) with minor mud (5%), framboidal pyrite (2%), and radiolarians (1%), and traces of silicoflagellates.
Foraminifer-bearing diatom ooze (10/86%) with minor mud (4%).

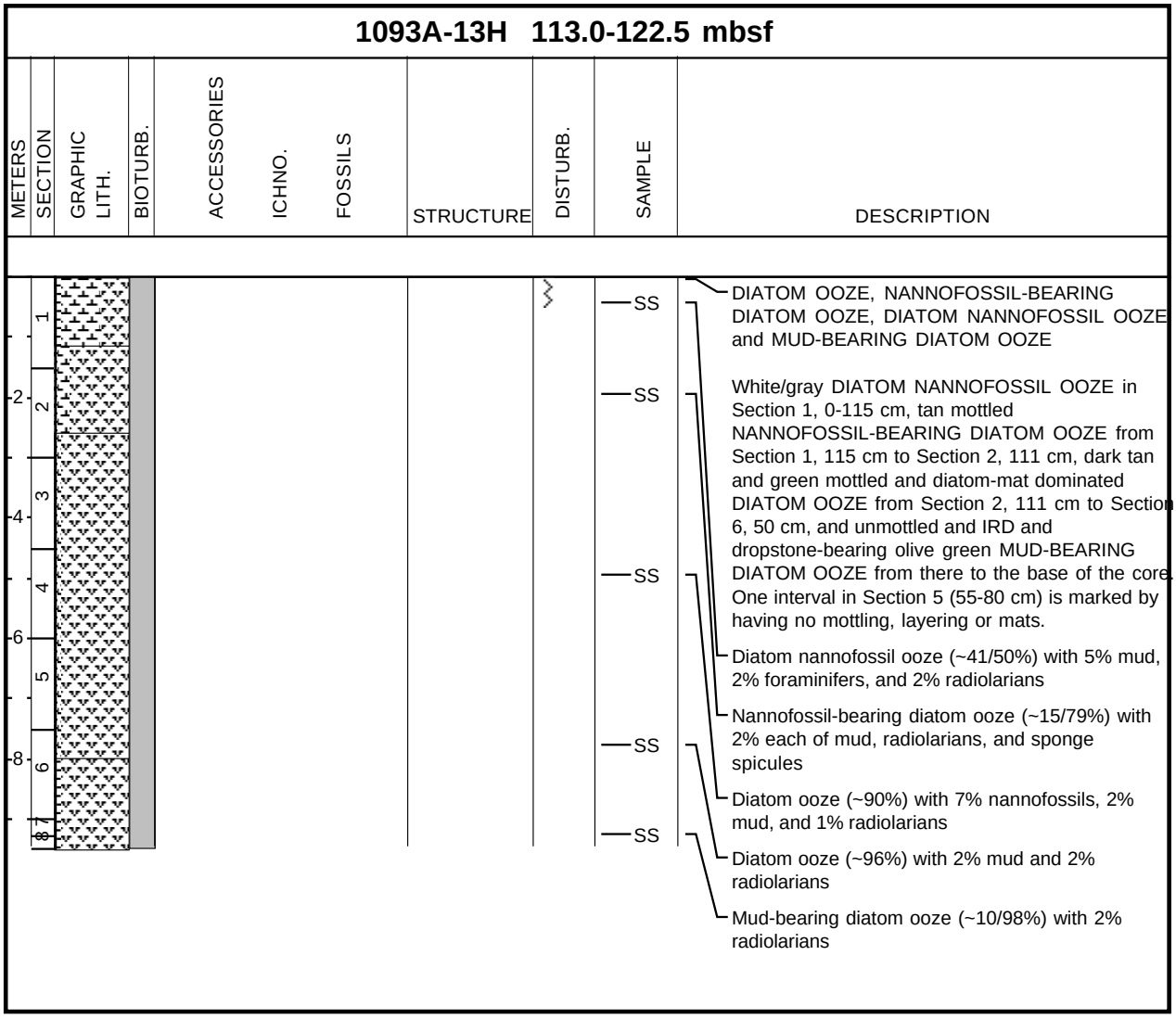
Core Photo


1093A-11H 94.0-103.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
SS
DIATOM OOZE, MUD-BEARING DIATOM OOZE, NANNOFOSSIL-BEARING DIATOM OOZE and FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE
The dominant lithology is olive to olive-gray DIATOM OOZE to MUD-BEARING DIATOM OOZE. Pale olive to pale olive-gray DIATOM OOZE and NANNOFOSSIL-BEARING DIATOM OOZE occur in the form of laminated diatom mats at Section 1, 0-96 cm and from Section 1, 132 cm to Section 2, 65 cm. A single interval of pale gray FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE is seen at Section 1, 96-132 cm. From Section 3, 104 cm to Section 5, 80 cm a single interval of orange-green DIATOM OOZE occurs.
Moderate burrowing is visible in the olive-gray MUD-BEARING DIATOM OOZE. A black volcanic dropstone (~1-cm) occurs at Section 5, 84 cm.
Nannofossil-bearing diatom ooze (~22/70%) with 5% mud, 2% foraminifers, 1% radiolarians and traces of silicoflagellates
Foraminifer-bearing nannofossil diatom ooze (~15/25/60%)
Diatom ooze (~80%) with 9% mud, 9% nannofossils, 1% carbonate, 1% foraminifers and traces of radiolarians and silicoflagellates
Diatom ooze (~95%) with 5% mud and traces of carbonate and radiolarians
Diatom ooze (~90%) with 9% mud, 1% pyrite and traces of radiolarians

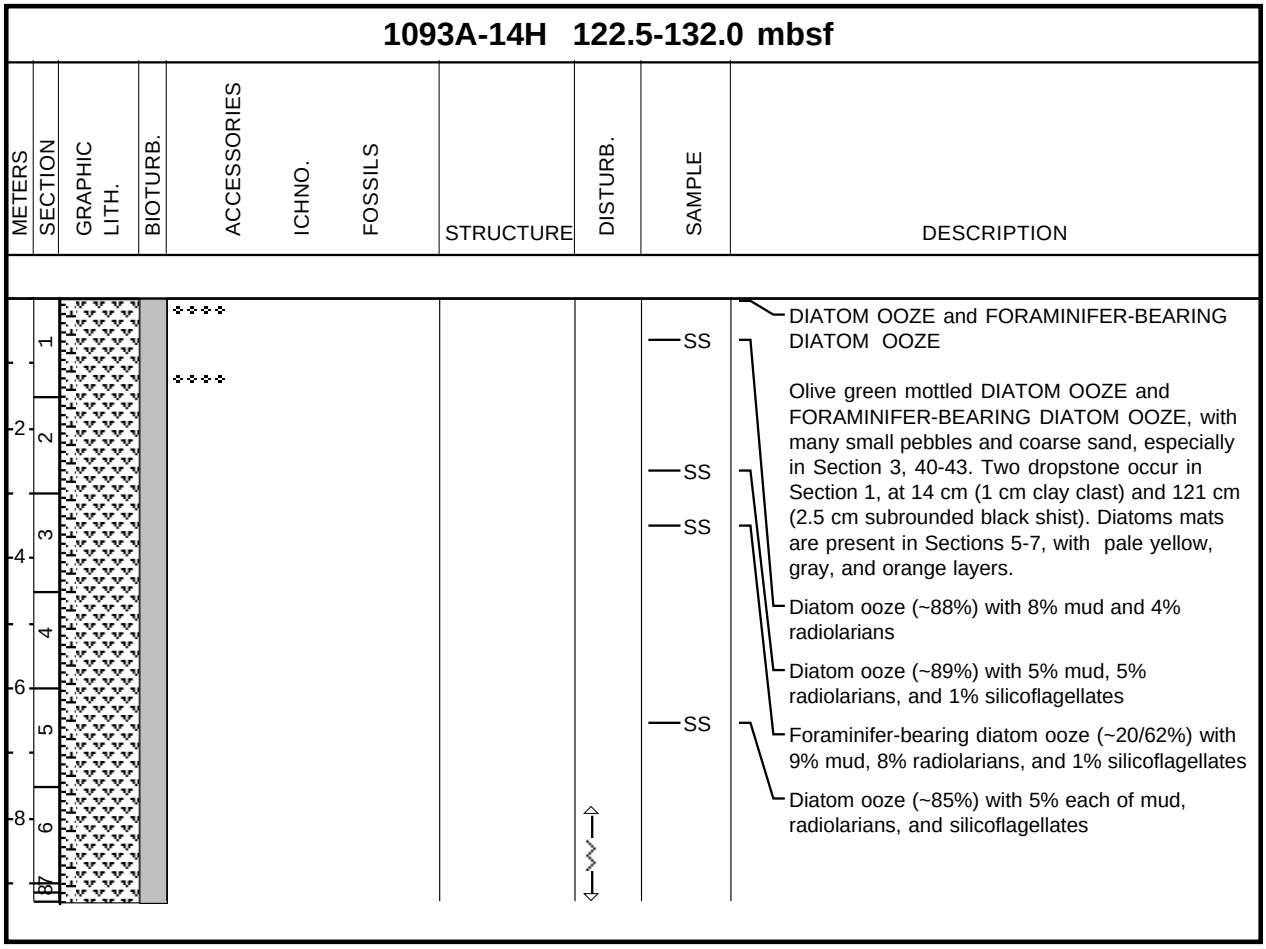
Core Photo


1093A-12H 103.5-113.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE and NANNOFOSSIL DIATOM OOZE
Olive green and organe DIATOM OOZE, grading into white/gray NANNOFOSSIL DIATOM OOZE in Section 6, 105 cm and continuing to the base of the core. Section 6 is disturbed, with voids from 20-30 cm and 57-64 cm; Sections 7 and 8 completely disturbed by flow in. Core is mottled throughout with orange, gray and green colors.
SS
Diatom ooze (~93%) with 4% mud, 2% sponge spicules, and 1% radiolarians
Dropstone, 1.4 cm, volcanic
SS
Diatom ooze (~95%) with 3% mud, 1% radiolarians, and 1% sponge spicules
SS
Nannofossil diatom ooze (~37/55%) with 4% mud, 2% foraminifers, 1% radiolarians, and 1% sponge spicules

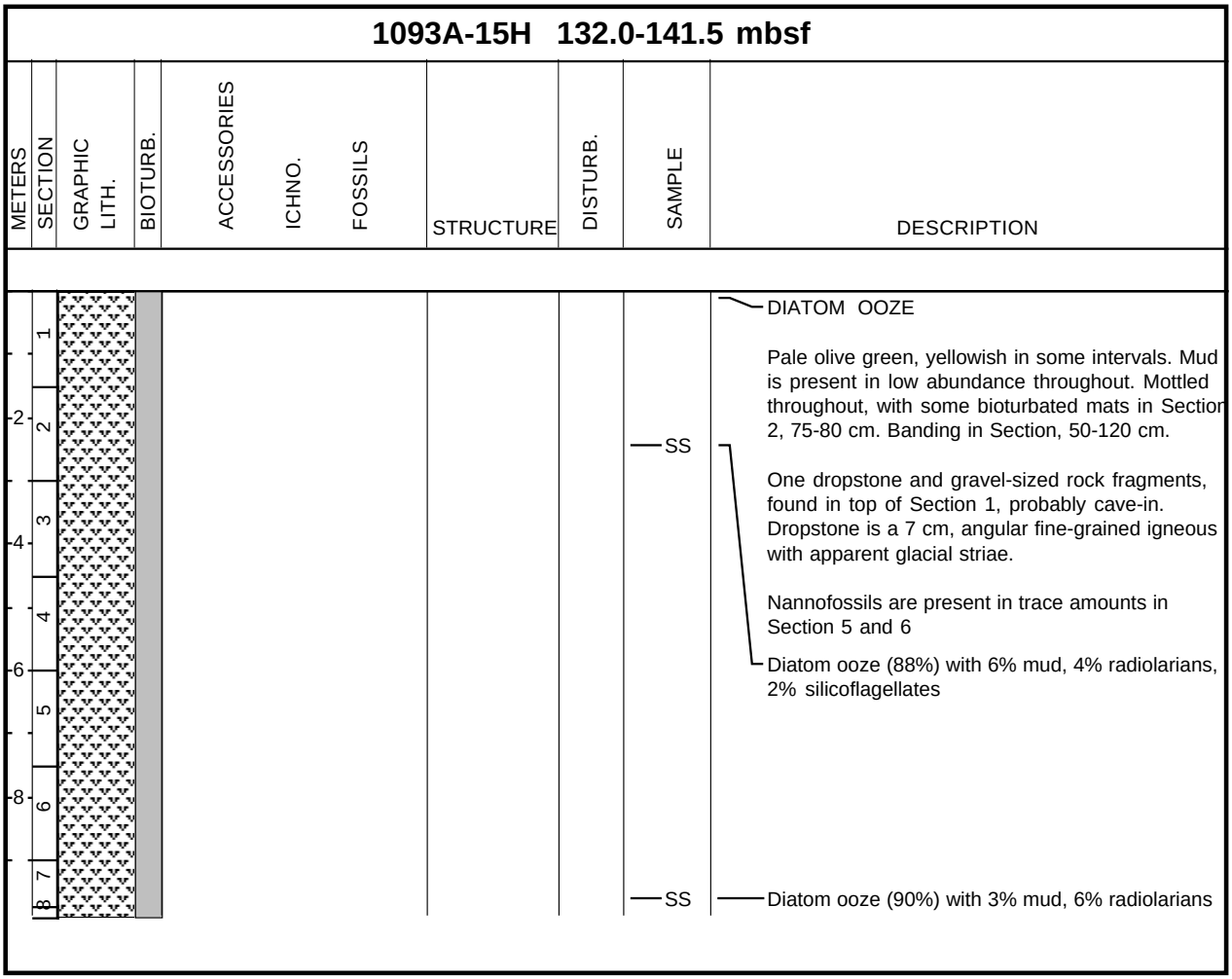
Core Photo


1093A-13H 113.0-122.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
DIATOM OOZE, NANNOFOSSIL-BEARING DIATOM OOZE, DIATOM NANNOFOSSIL OOZE and MUD-BEARING DIATOM OOZE
White/gray DIATOM NANNOFOSSIL OOZE in Section 1, 0-115 cm, tan mottled NANNOFOSSIL-BEARING DIATOM OOZE from Section 1, 115 cm to Section 2, 111 cm, dark tan and green mottled and diatom-mat dominated DIATOM OOZE from Section 2, 111 cm to Section 6, 50 cm, and unmottled and IRD and dropstone-bearing olive green MUD-BEARING DIATOM OOZE from there to the base of the core. One interval in Section 5 (55-80 cm) is marked by having no mottling, layering or mats.
Diatom nannofossil ooze (~41/50%) with 5% mud, 2% foraminifers, and 2% radiolarians
Nannofossil-bearing diatom ooze (~15/79%) with 2% each of mud, radiolarians, and sponge spicules
Diatom ooze (~90%) with 7% nannofossils, 2% mud, and 1% radiolarians
Diatom ooze (~96%) with 2% mud and 2% radiolarians
Mud-bearing diatom ooze (~10/98%) with 2% radiolarians

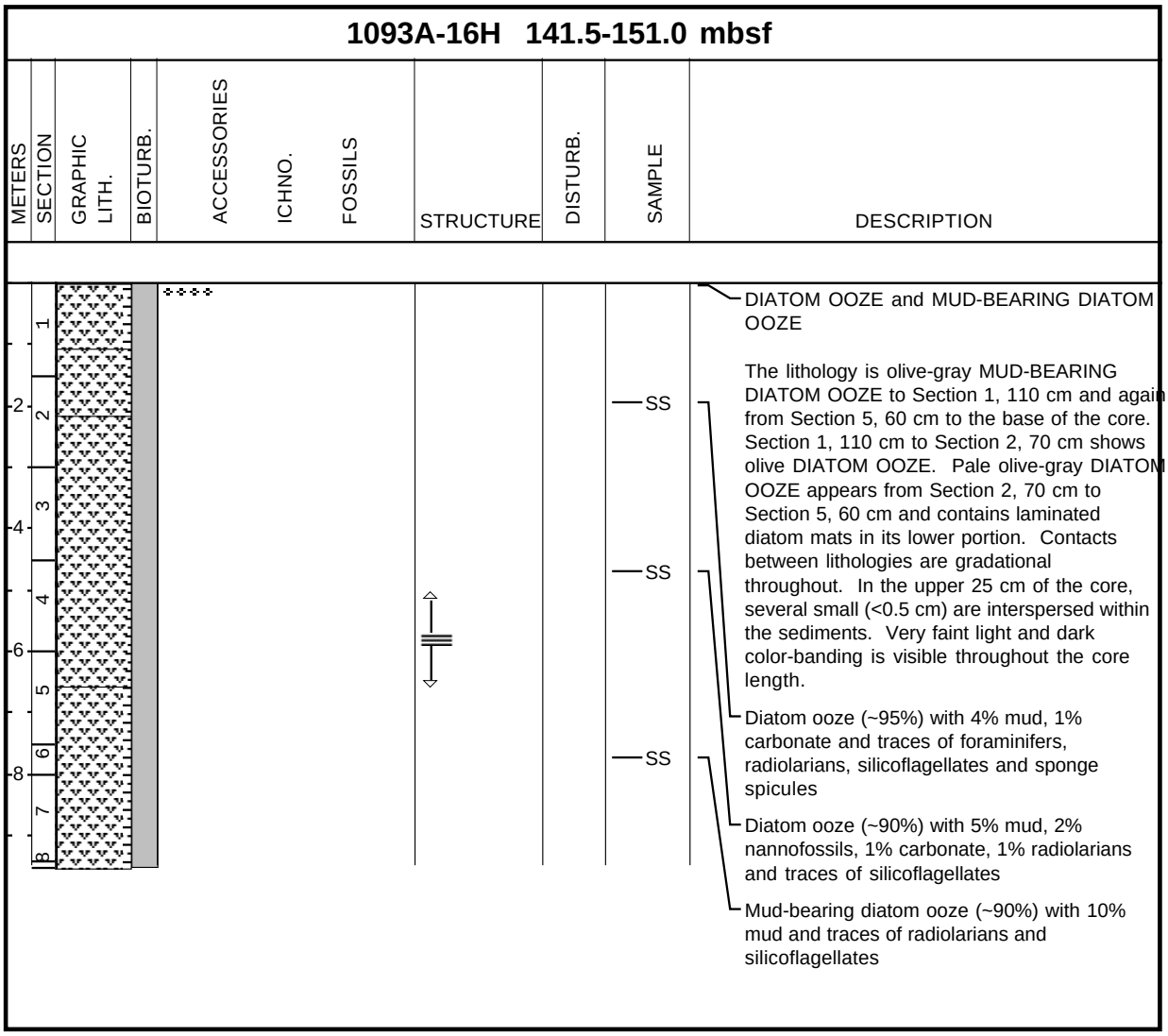
Core Photo


1093A-14H 122.5-132.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE and FORAMINIFER-BEARING DIATOM OOZE
Olive green mottled DIATOM OOZE and FORAMINIFER-BEARING DIATOM OOZE, with many small pebbles and coarse sand, especially in Section 3, 40-43. Two dropstone occur in Section 1, at 14 cm (1 cm clay clast) and 121 cm (2.5 cm subrounded black shist). Diatoms mats are present in Sections 5-7, with pale yellow, gray, and orange layers.
Diatom ooze (~88%) with 8% mud and 4% radiolarians
Diatom ooze (~89%) with 5% mud, 5% radiolarians, and 1% silicoflagellates
Foraminifer-bearing diatom ooze (~20/62%) with 9% mud, 8% radiolarians, and 1% silicoflagellates
Diatom ooze (~85%) with 5% each of mud, radiolarians, and silicoflagellates

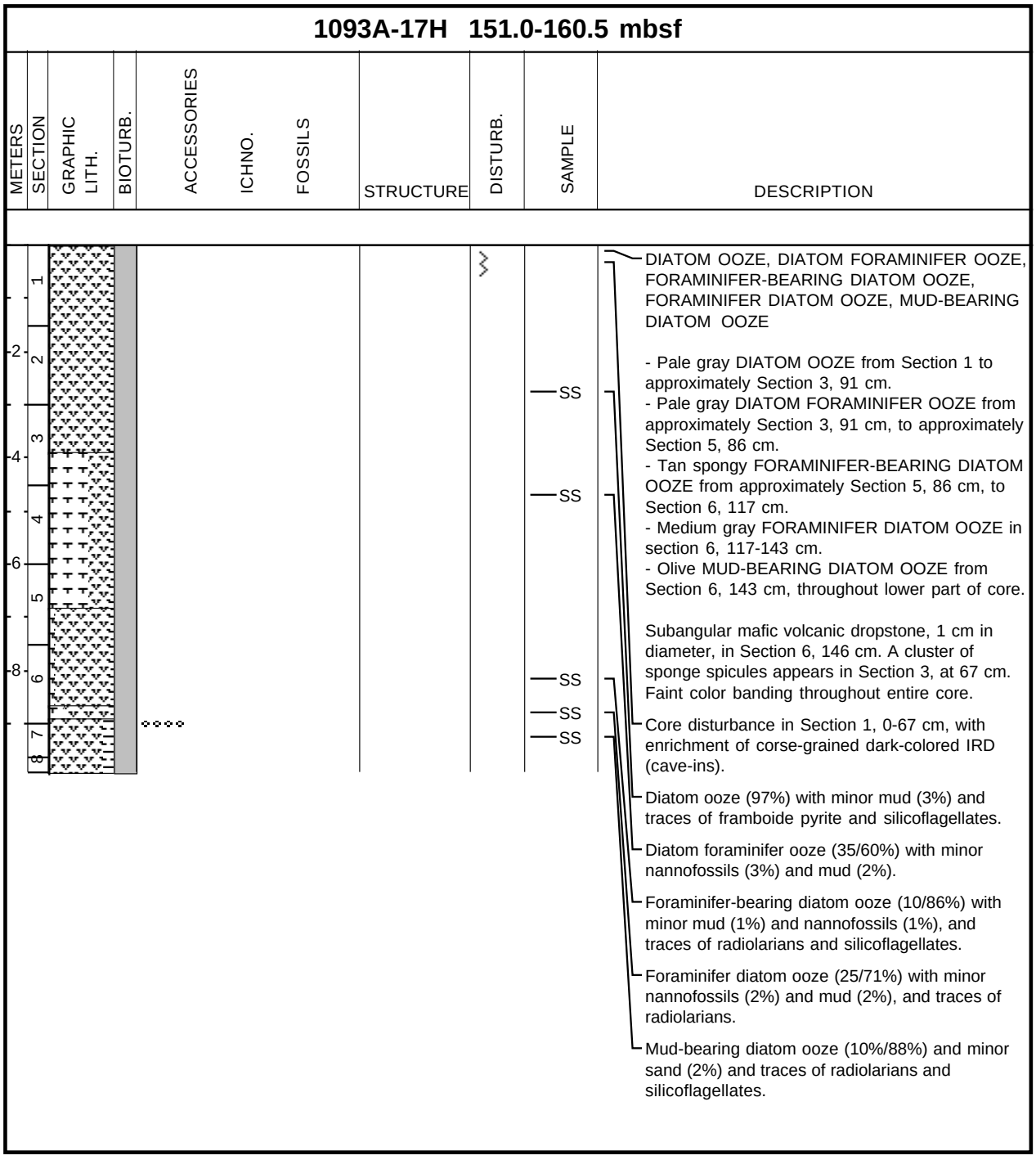
Core Photo


1093A-15H 132.0-141.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Pale olive green, yellowish in some intervals. Mud is present in low abundance throughout. Mottled throughout, with some bioturbated mats in Section 2, 75-80 cm. Banding in Section, 50-120 cm.
SS
One dropstone and gravel-sized rock fragments, found in top of Section 1, probably cave-in. Dropstone is a 7 cm, angular fine-grained igneous with apparent glacial striae.
Nannofossils are present in trace amounts in Section 5 and 6
Diatom ooze (88%) with 6% mud, 4% radiolarians, 2% silicoflagellates
SS
Diatom ooze (90%) with 3% mud, 6% radiolarians

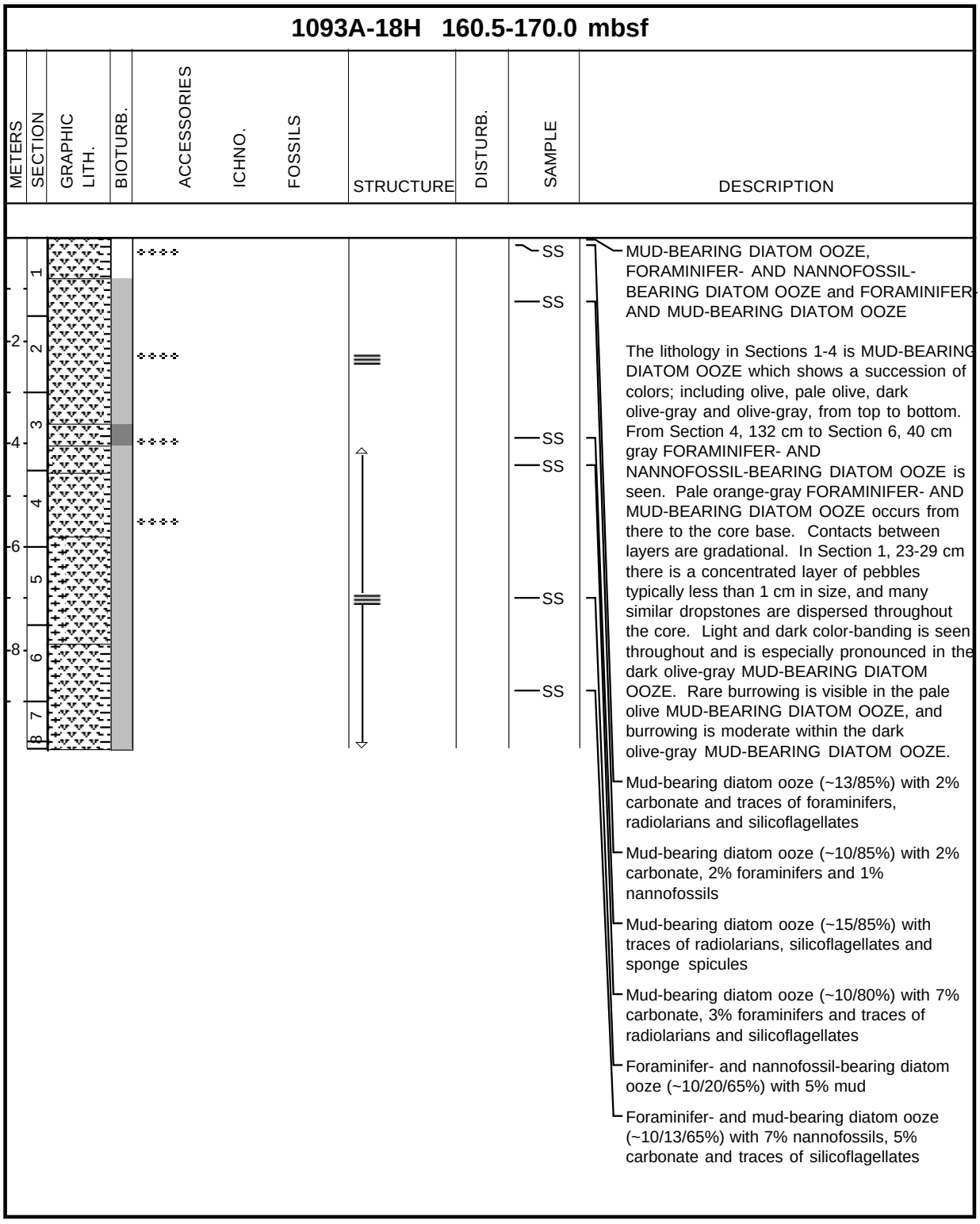
Core Photo


1093A-16H 141.5-151.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE and MUD-BEARING DIATOM OOZE
The lithology is olive-gray MUD-BEARING DIATOM OOZE to Section 1, 110 cm and again from Section 5, 60 cm to the base of the core. Section 1, 110 cm to Section 2, 70 cm shows olive DIATOM OOZE. Pale olive-gray DIATOM OOZE appears from Section 2, 70 cm to Section 5, 60 cm and contains laminated diatom mats in its lower portion. Contacts between lithologies are gradational throughout. In the upper 25 cm of the core, several small (<0.5 cm) are interspersed within the sediments. Very faint light and dark color-banding is visible throughout the core length.
Diatom ooze (~95%) with 4% mud, 1% carbonate and traces of foraminifers, radiolarians, silicoflagellates and sponge spicules
Diatom ooze (~90%) with 5% mud, 2% nannofossils, 1% carbonate, 1% radiolarians and traces of silicoflagellates
Mud-bearing diatom ooze (~90%) with 10% mud and traces of radiolarians and silicoflagellates

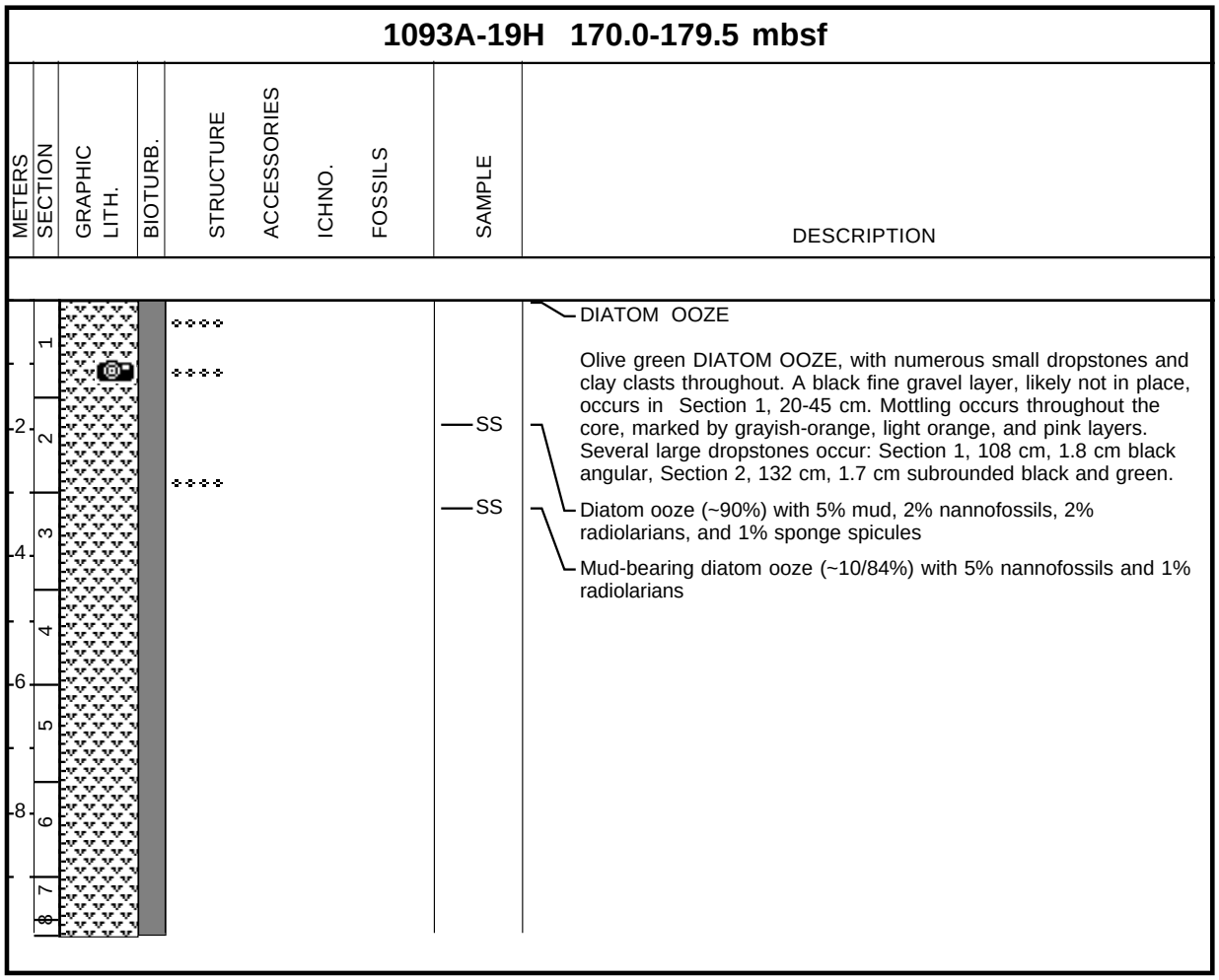
Core Photo


1093A-17H 151.0-160.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
DIATOM OOZE, DIATOM FORAMINIFER OOZE, FORAMINIFER-BEARING DIATOM OOZE, FORAMINIFER DIATOM OOZE, MUD-BEARING DIATOM OOZE
- Pale gray DIATOM OOZE from Section 1 to approximately Section 3, 91 cm.
- Pale gray DIATOM FORAMINIFER OOZE from approximately Section 3, 91 cm, to approximately Section 5, 86 cm.
- Tan spongy FORAMINIFER-BEARING DIATOM OOZE from approximately Section 5, 86 cm, to Section 6, 117 cm.
- Medium gray FORAMINIFER DIATOM OOZE in section 6, 117-143 cm.
- Olive MUD-BEARING DIATOM OOZE from Section 6, 143 cm, throughout lower part of core.
Subangular mafic volcanic dropstone, 1 cm in diameter, in Section 6, 146 cm. A cluster of sponge spicules appears in Section 3, at 67 cm. Faint color banding throughout entire core.
Core disturbance in Section 1, 0-67 cm, with enrichment of corse-grained dark-colored IRD (cave-ins).
Diatom ooze (97%) with minor mud (3%) and traces of framboide pyrite and silicoflagellates.
Diatom foraminifer ooze (35/60%) with minor nannofossils (3%) and mud (2%).
Foraminifer-bearing diatom ooze (10/86%) with minor mud (1%) and nannofossils (1%), and traces of radiolarians and silicoflagellates.
Foraminifer diatom ooze (25/71%) with minor nannofossils (2%) and mud (2%), and traces of radiolarians.
Mud-bearing diatom ooze (10%/88%) and minor sand (2%) and traces of radiolarians and silicoflagellates.

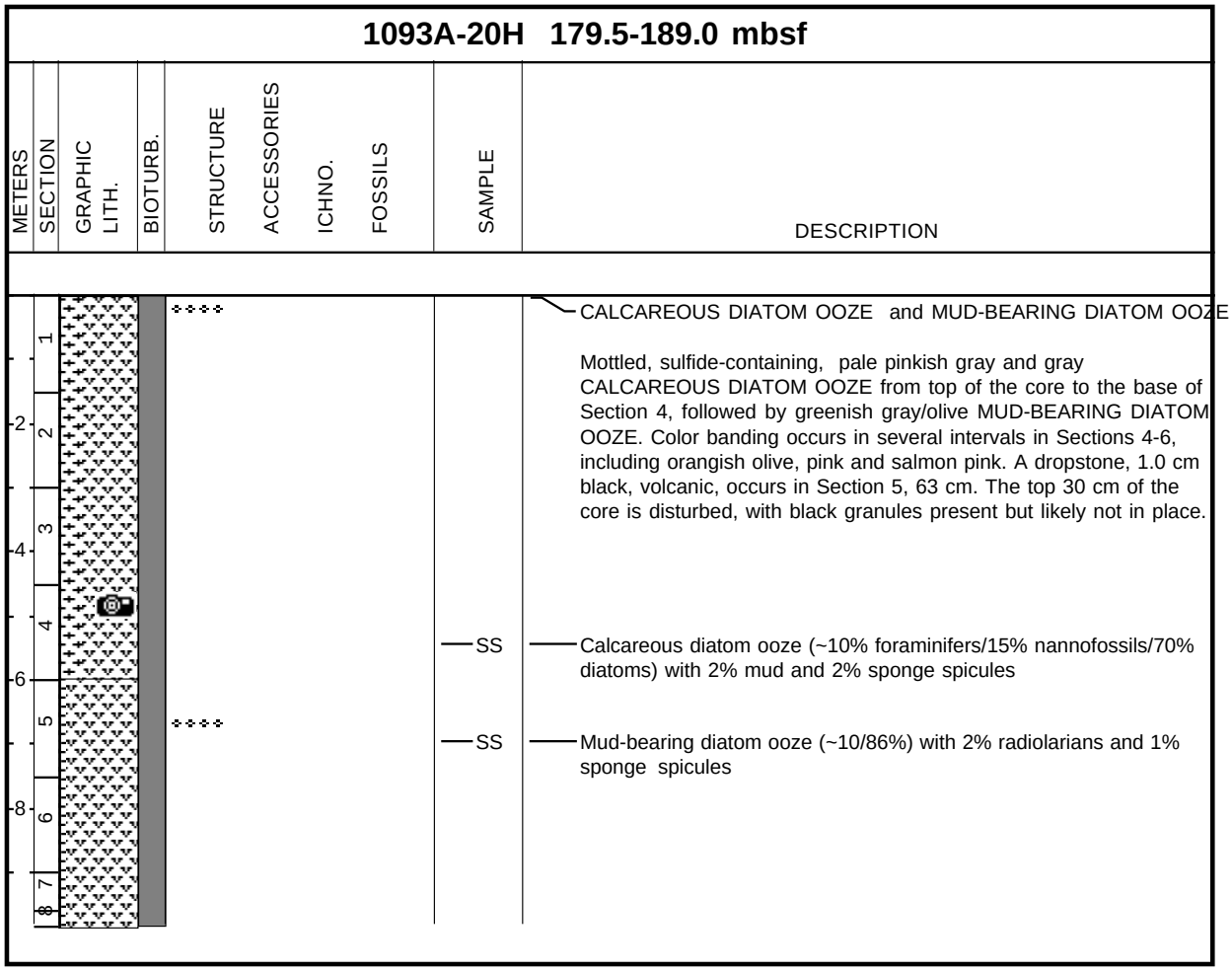
Core Photo


1093A-18H 160.5-170.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
MUD-BEARING DIATOM OOZE, FORAMINIFER- AND NANNOFOSSIL-BEARING DIATOM OOZE and FORAMINIFER- AND MUD-BEARING DIATOM OOZE
The lithology in Sections 1-4 is MUD-BEARING DIATOM OOZE which shows a succession of colors; including olive, pale olive, dark olive-gray and olive-gray, from top to bottom. From Section 4, 132 cm to Section 6, 40 cm gray FORAMINIFER- AND NANNOFOSSIL-BEARING DIATOM OOZE is seen. Pale orange-gray FORAMINIFER- AND MUD-BEARING DIATOM OOZE occurs from there to the core base. Contacts between layers are gradational. In Section 1, 23-29 cm there is a concentrated layer of pebbles typically less than 1 cm in size, and many similar dropstones are dispersed throughout the core. Light and dark color-banding is seen throughout and is especially pronounced in the dark olive-gray MUD-BEARING DIATOM OOZE. Rare burrowing is visible in the pale olive MUD-BEARING DIATOM OOZE, and burrowing is moderate within the dark olive-gray MUD-BEARING DIATOM OOZE.
Mud-bearing diatom ooze (~13/85%) with 2% carbonate and traces of foraminifers, radiolarians and silicoflagellates
Mud-bearing diatom ooze (~10/85%) with 2% carbonate, 2% foraminifers and 1% nannofossils
Mud-bearing diatom ooze (~15/85%) with traces of radiolarians, silicoflagellates and sponge spicules
Mud-bearing diatom ooze (~10/80%) with 7% carbonate, 3% foraminifers and traces of radiolarians and silicoflagellates
Foraminifer- and nannofossil-bearing diatom ooze (~10/20/65%) with 5% mud
Foraminifer- and mud-bearing diatom ooze (~10/13/65%) with 7% nannofossils, 5% carbonate and traces of silicoflagellates

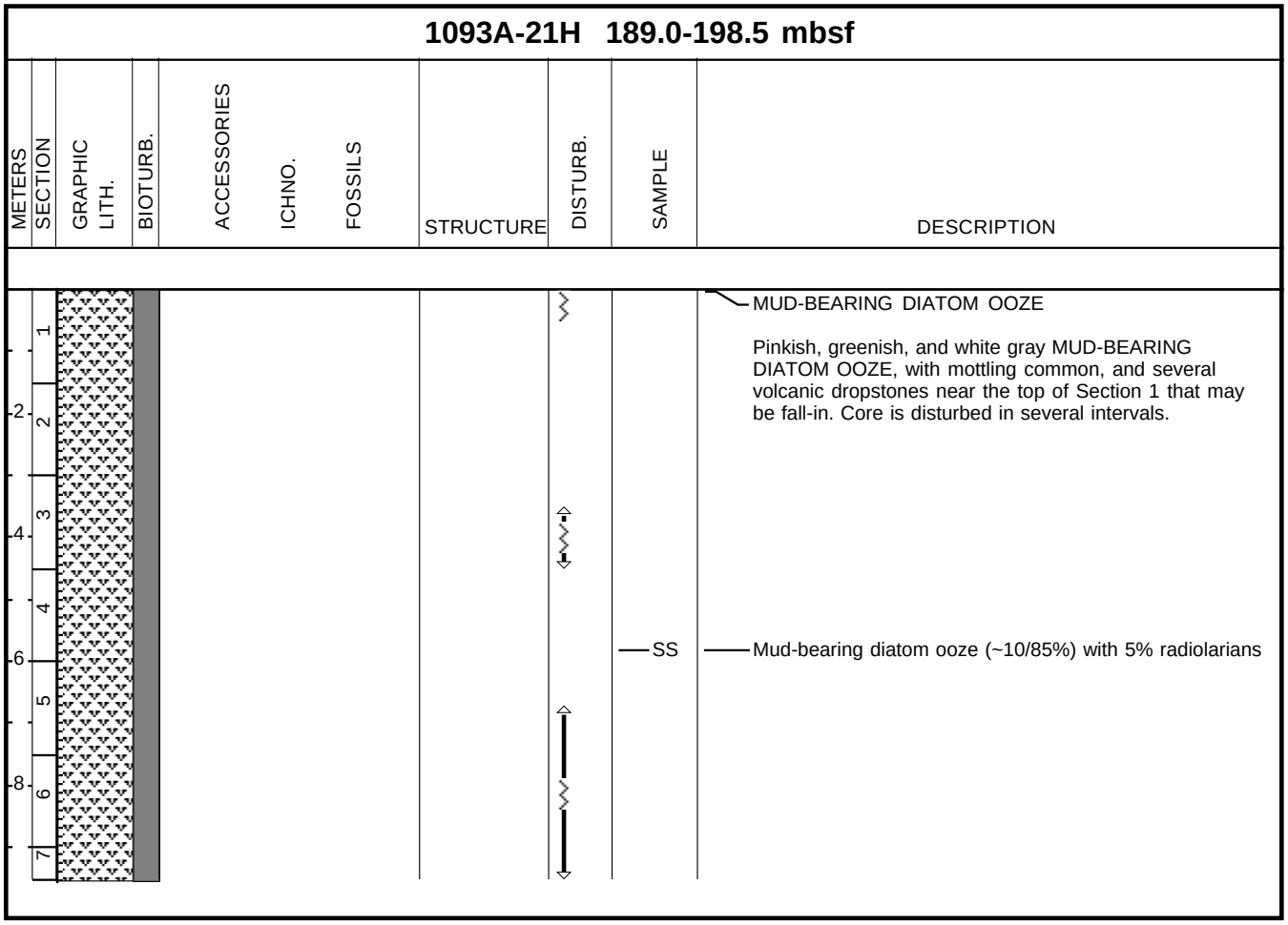
Core Photo


1093A-19H 170.0-179.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
SS
SS
DIATOM OOZE
Olive green DIATOM OOZE, with numerous small dropstones and clay clasts throughout. A black fine gravel layer, likely not in place, occurs in Section 1, 20-45 cm. Mottling occurs throughout the core, marked by grayish-orange, light orange, and pink layers. Several large dropstones occur: Section 1, 108 cm, 1.8 cm black angular, Section 2, 132 cm, 1.7 cm subrounded black and green.
Diatom ooze (~90%) with 5% mud, 2% nannofossils, 2% radiolarians, and 1% sponge spicules
Mud-bearing diatom ooze (~10/84%) with 5% nannofossils and 1% radiolarians

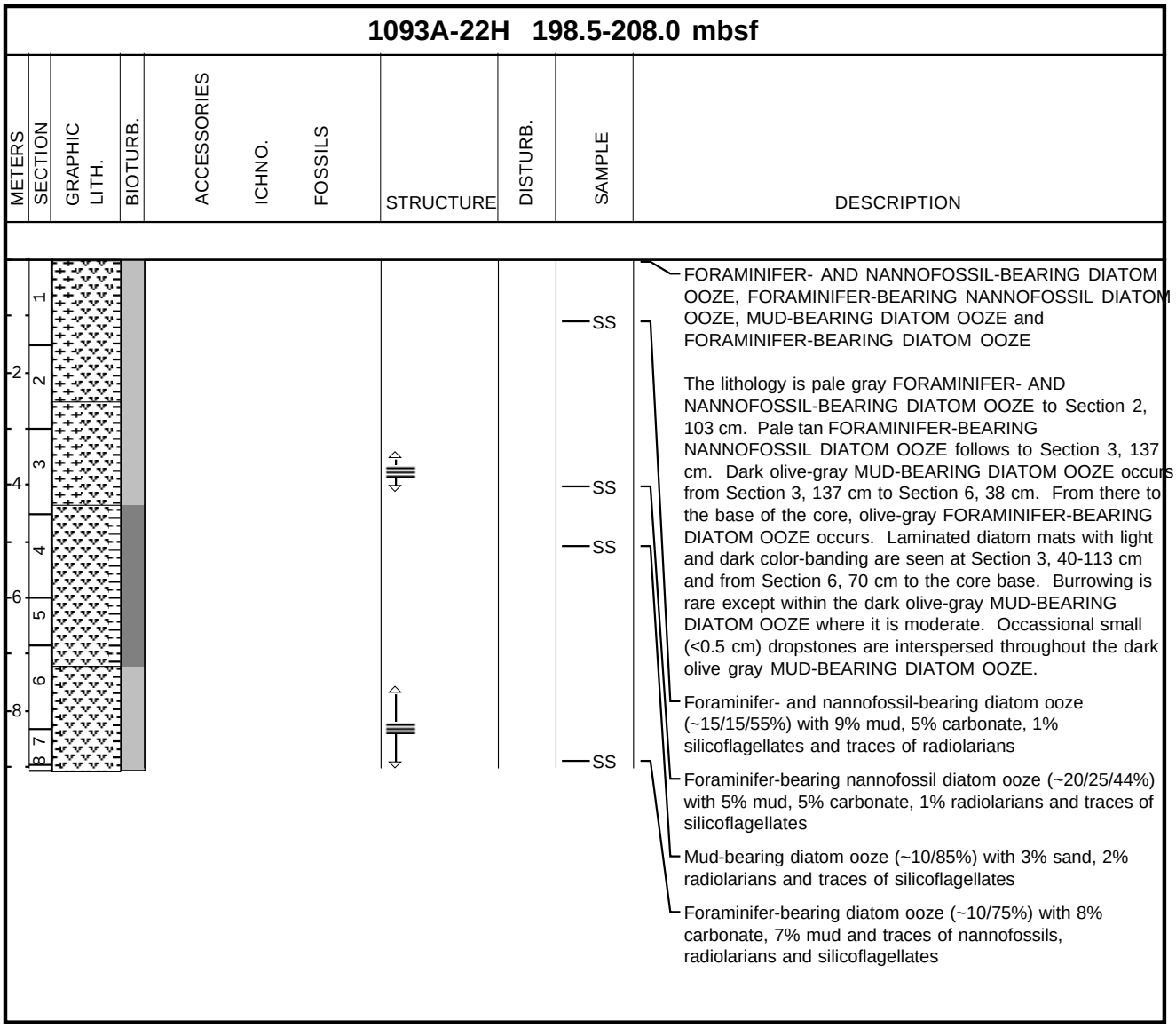
Core Photo


1093A-20H 179.5-189.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
CALCAREOUS DIATOM OOZE and MUD-BEARING DIATOM OOZE
Mottled, sulfide-containing, pale pinkish gray and gray CALCAREOUS DIATOM OOZE from top of the core to the base of Section 4, followed by greenish gray/olive MUD-BEARING DIATOM OOZE. Color banding occurs in several intervals in Sections 4-6, including orangish olive, pink and salmon pink. A dropstone, 1.0 cm black, volcanic, occurs in Section 5, 63 cm. The top 30 cm of the core is disturbed, with black granules present but likely not in place.
SS
Calcareous diatom ooze (~10% foraminifers/15% nannofossils/70% diatoms) with 2% mud and 2% sponge spicules
SS
Mud-bearing diatom ooze (~10/86%) with 2% radiolarians and 1% sponge spicules

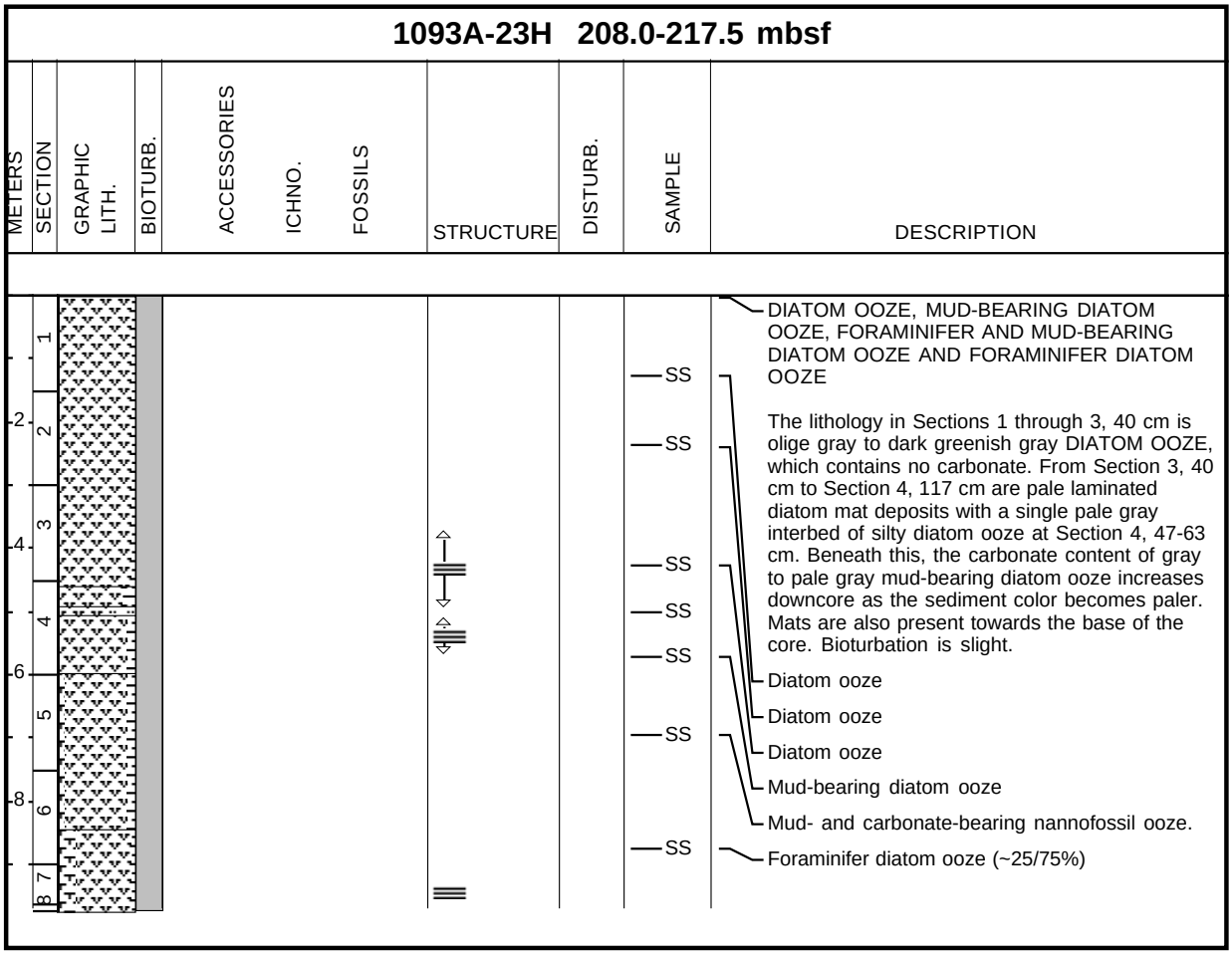
Core Photo


1093A-21H 189.0-198.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING DIATOM OOZE
Pinkish, greenish, and white gray MUD-BEARING DIATOM OOZE, with mottling common, and several volcanic dropstones near the top of Section 1 that may be fall-in. Core is disturbed in several intervals.
SS
Mud-bearing diatom ooze (~10/85%) with 5% radiolarians

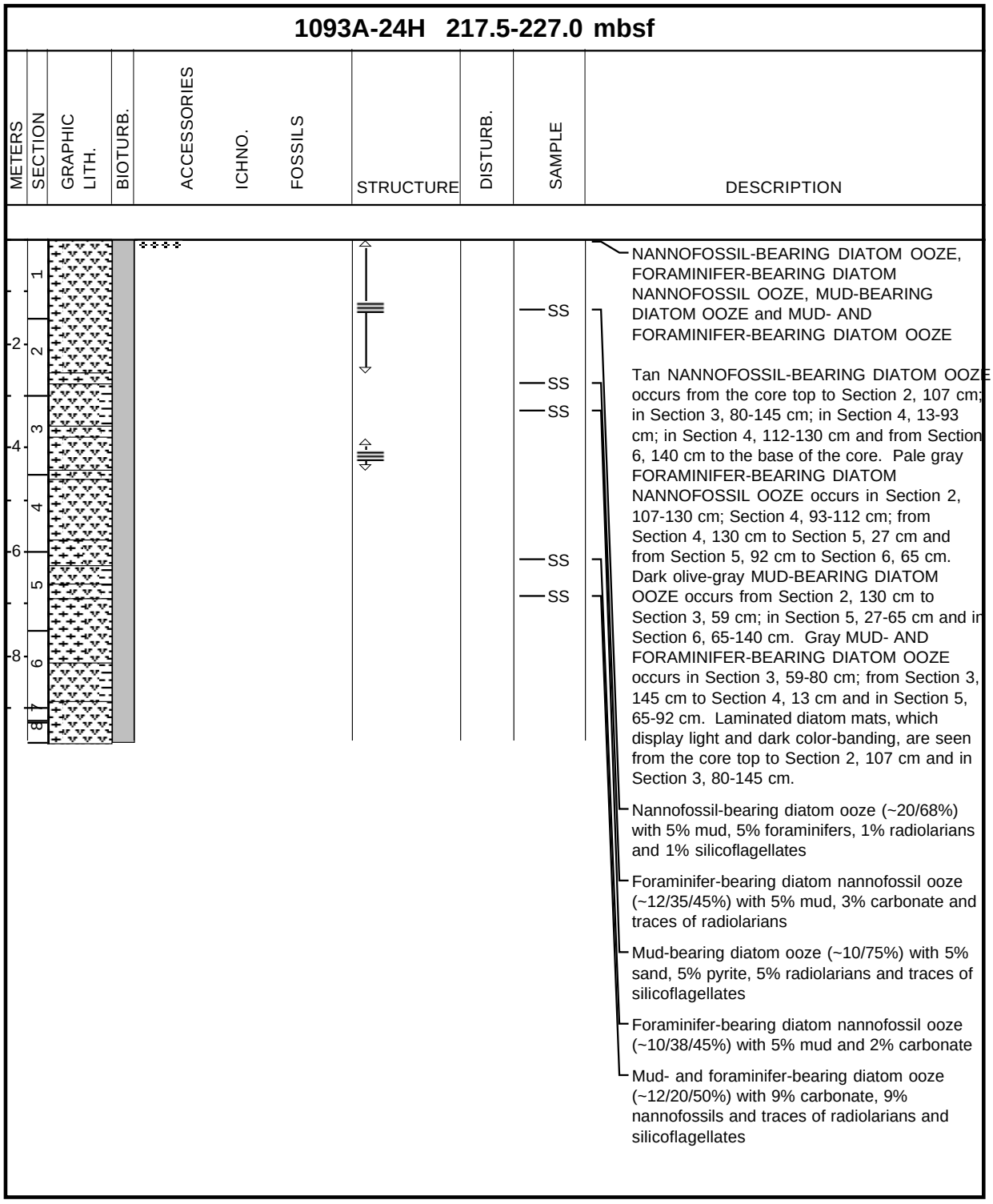
Core Photo


1093A-22H 198.5-208.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
FORAMINIFER- AND NANNOFOSSIL-BEARING DIATOM OOZE, FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE, MUD-BEARING DIATOM OOZE and FORAMINIFER-BEARING DIATOM OOZE
The lithology is pale gray FORAMINIFER- AND NANNOFOSSIL-BEARING DIATOM OOZE to Section 2, 103 cm. Pale tan FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE follows to Section 3, 137 cm. Dark olive-gray MUD-BEARING DIATOM OOZE occurs from Section 3, 137 cm to Section 6, 38 cm. From there to the base of the core, olive-gray FORAMINIFER-BEARING DIATOM OOZE occurs. Laminated diatom mats with light and dark color-banding are seen at Section 3, 40-113 cm and from Section 6, 70 cm to the core base. Burrowing is rare except within the dark olive-gray MUD-BEARING DIATOM OOZE where it is moderate. Occassional small (<0.5 cm) dropstones are interspersed throughout the dark olive gray MUD-BEARING DIATOM OOZE.
Foraminifer- and nannofossil-bearing diatom ooze (~15/15/55%) with 9% mud, 5% carbonate, 1% silicoflagellates and traces of radiolarians
Foraminifer-bearing nannofossil diatom ooze (~20/25/44%) with 5% mud, 5% carbonate, 1% radiolarians and traces of silicoflagellates
Mud-bearing diatom ooze (~10/85%) with 3% sand, 2% radiolarians and traces of silicoflagellates
Foraminifer-bearing diatom ooze (~10/75%) with 8% carbonate, 7% mud and traces of nannofossils, radiolarians and silicoflagellates

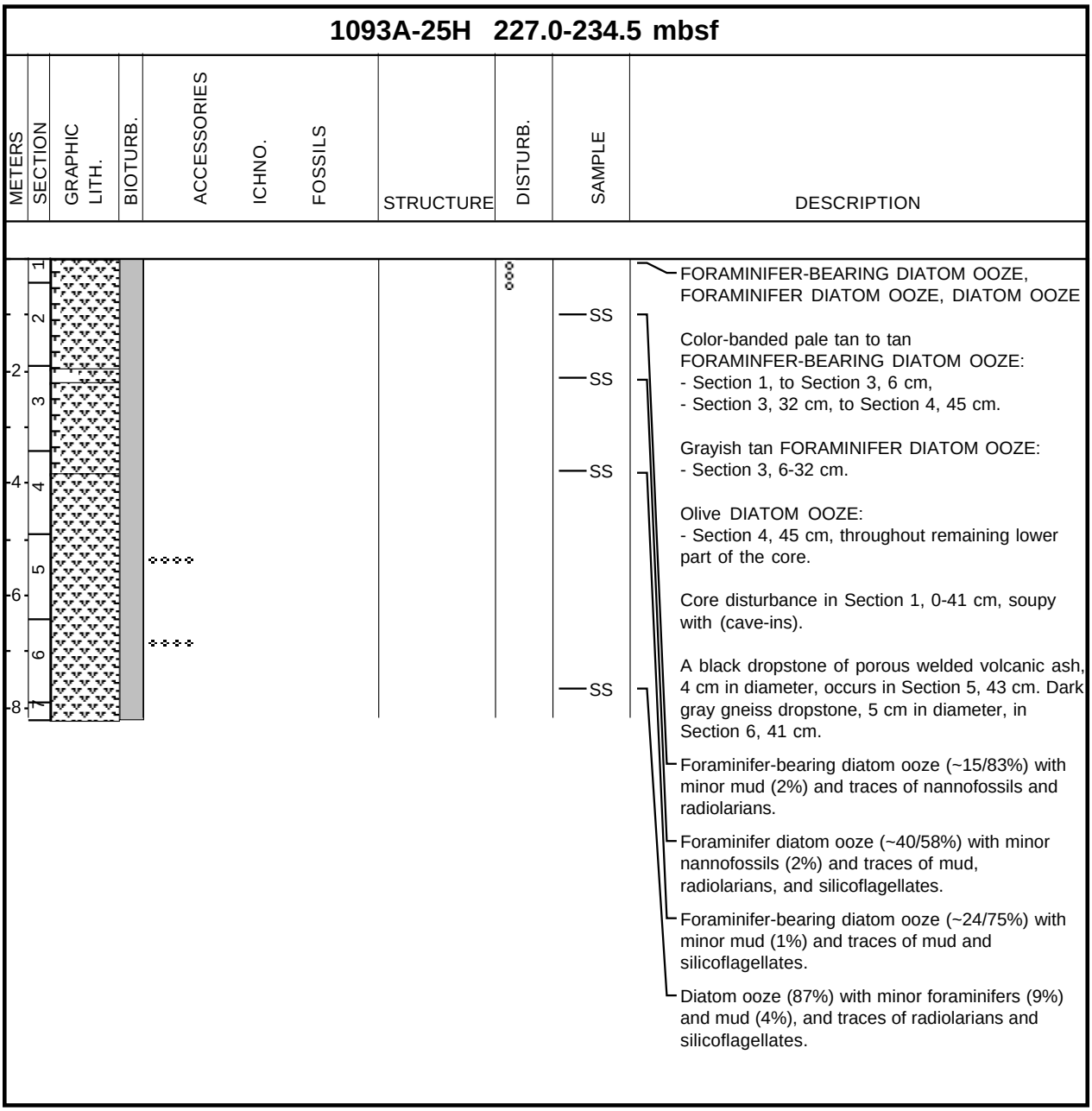
Core Photo


1093A-23H 208.0-217.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
SS
SS
DIATOM OOZE, MUD-BEARING DIATOM OOZE, FORAMINIFER AND MUD-BEARING DIATOM OOZE AND FORAMINIFER DIATOM OOZE
The lithology in Sections 1 through 3, 40 cm is olige gray to dark greenish gray DIATOM OOZE, which contains no carbonate. From Section 3, 40 cm to Section 4, 117 cm are pale laminated diatom mat deposits with a single pale gray interbed of silty diatom ooze at Section 4, 47-63 cm. Beneath this, the carbonate content of gray to pale gray mud-bearing diatom ooze increases downcore as the sediment color becomes paler. Mats are also present towards the base of the core. Bioturbation is slight.
Diatom ooze
Diatom ooze
Diatom ooze
Mud-bearing diatom ooze
Mud- and carbonate-bearing nannofossil ooze.
Foraminifer diatom ooze (~25/75%)

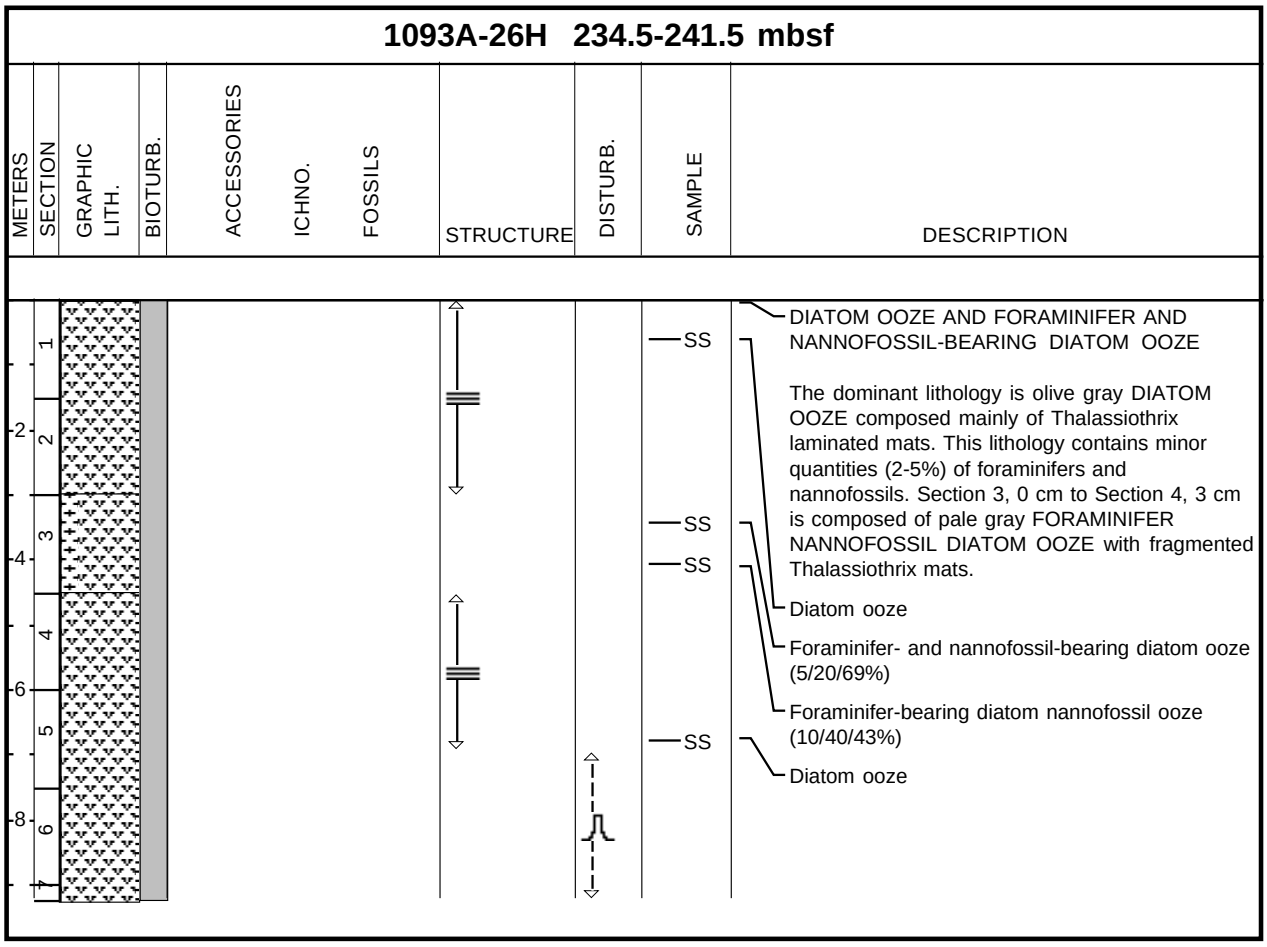
Core Photo


1093A-24H 217.5-227.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
NANNOFOSSIL-BEARING DIATOM OOZE, FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE, MUD-BEARING DIATOM OOZE and MUD- AND FORAMINIFER-BEARING DIATOM OOZE
Tan NANNOFOSSIL-BEARING DIATOM OOZE occurs from the core top to Section 2, 107 cm; in Section 3, 80-145 cm; in Section 4, 13-93 cm; in Section 4, 112-130 cm and from Section 6, 140 cm to the base of the core. Pale gray FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE occurs in Section 2, 107-130 cm; Section 4, 93-112 cm; from Section 4, 130 cm to Section 5, 27 cm and from Section 5, 92 cm to Section 6, 65 cm. Dark olive-gray MUD-BEARING DIATOM OOZE occurs from Section 2, 130 cm to Section 3, 59 cm; in Section 5, 27-65 cm and in Section 6, 65-140 cm. Gray MUD- AND FORAMINIFER-BEARING DIATOM OOZE occurs in Section 3, 59-80 cm; from Section 3, 145 cm to Section 4, 13 cm and in Section 5, 65-92 cm. Laminated diatom mats, which display light and dark color-banding, are seen from the core top to Section 2, 107 cm and in Section 3, 80-145 cm.
Nannofossil-bearing diatom ooze (~20/68%) with 5% mud, 5% foraminifers, 1% radiolarians and 1% silicoflagellates
Foraminifer-bearing diatom nannofossil ooze (~12/35/45%) with 5% mud, 3% carbonate and traces of radiolarians
Mud-bearing diatom ooze (~10/75%) with 5% sand, 5% pyrite, 5% radiolarians and traces of silicoflagellates
Foraminifer-bearing diatom nannofossil ooze (~10/38/45%) with 5% mud and 2% carbonate
Mud- and foraminifer-bearing diatom ooze (~12/20/50%) with 9% carbonate, 9% nannofossils and traces of radiolarians and silicoflagellates

Core Photo

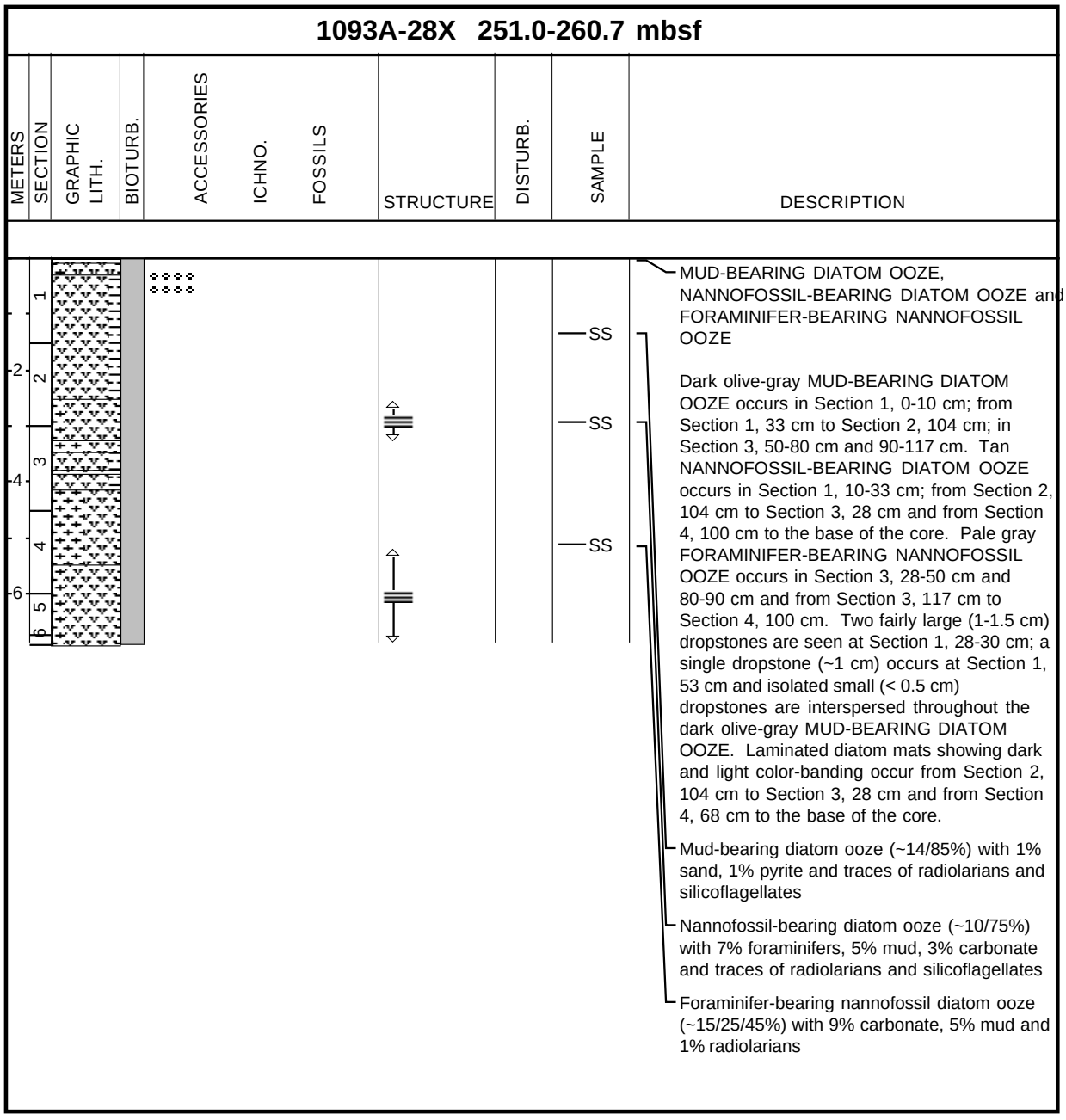

1093A-25H 227.0-234.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
FORAMINIFER-BEARING DIATOM OOZE, FORAMINIFER DIATOM OOZE, DIATOM OOZE
Color-banded pale tan to tan FORAMINFER-BEARING DIATOM OOZE:
- Section 1, to Section 3, 6 cm,
- Section 3, 32 cm, to Section 4, 45 cm.
Grayish tan FORAMINIFER DIATOM OOZE:
- Section 3, 6-32 cm.
Olive DIATOM OOZE:
- Section 4, 45 cm, throughout remaining lower part of the core.
Core disturbance in Section 1, 0-41 cm, soupy with (cave-ins).
A black dropstone of porous welded volcanic ash, 4 cm in diameter, occurs in Section 5, 43 cm. Dark gray gneiss dropstone, 5 cm in diameter, in Section 6, 41 cm.
Foraminifer-bearing diatom ooze (~15/83%) with minor mud (2%) and traces of nannofossils and radiolarians.
Foraminifer diatom ooze (~40/58%) with minor nannofossils (2%) and traces of mud, radiolarians, and silicoflagellates.
Foraminifer-bearing diatom ooze (~24/75%) with minor mud (1%) and traces of mud and silicoflagellates.
Diatom ooze (87%) with minor foraminifers (9%) and mud (4%), and traces of radiolarians and silicoflagellates.

Core Photo

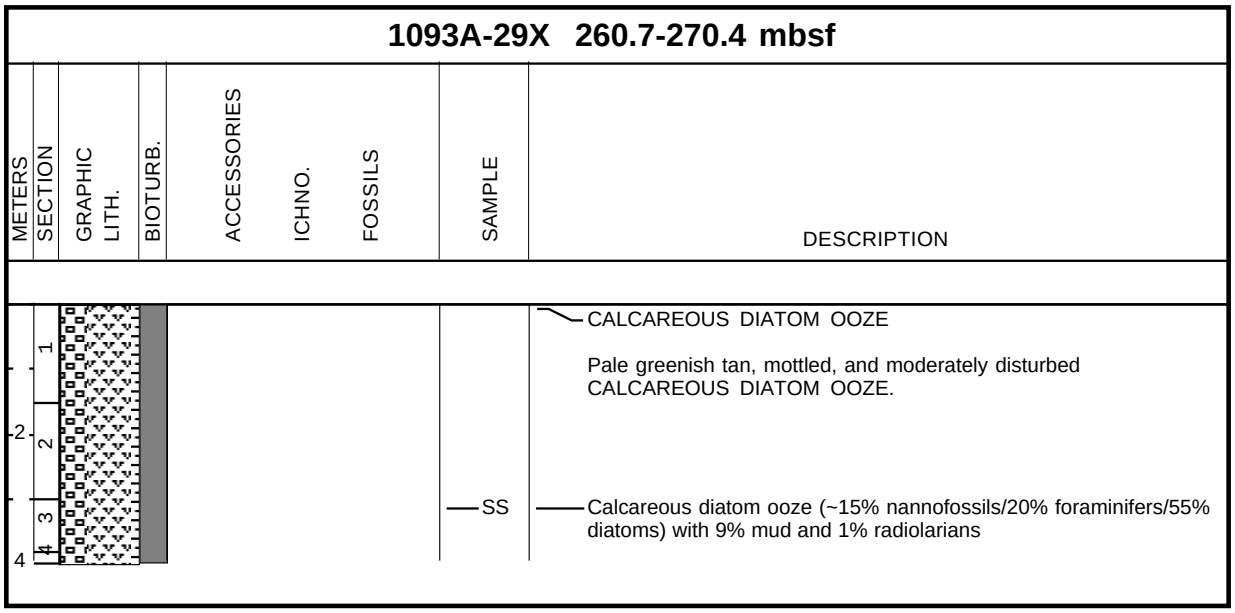


1093A-27H NO RECOVERY

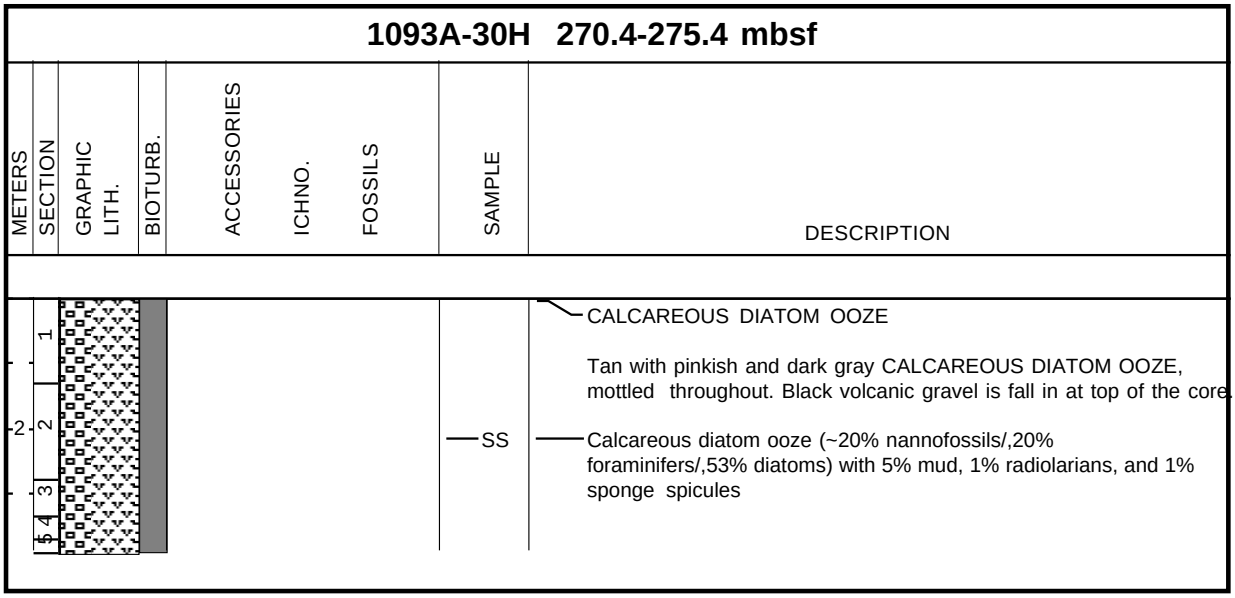
Core Photo


1093A-28X 251.0-260.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
MUD-BEARING DIATOM OOZE, NANNOFOSSIL-BEARING DIATOM OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE
Dark olive-gray MUD-BEARING DIATOM OOZE occurs in Section 1, 0-10 cm; from Section 1, 33 cm to Section 2, 104 cm; in Section 3, 50-80 cm and 90-117 cm. Tan NANNOFOSSIL-BEARING DIATOM OOZE occurs in Section 1, 10-33 cm; from Section 2, 104 cm to Section 3, 28 cm and from Section 4, 100 cm to the base of the core. Pale gray FORAMINIFER-BEARING NANNOFOSSIL OOZE occurs in Section 3, 28-50 cm and 80-90 cm and from Section 3, 117 cm to Section 4, 100 cm. Two fairly large (1-1.5 cm) dropstones are seen at Section 1, 28-30 cm; a single dropstone (~1 cm) occurs at Section 1, 53 cm and isolated small (< 0.5 cm) dropstones are interspersed throughout the dark olive-gray MUD-BEARING DIATOM OOZE. Laminated diatom mats showing dark and light color-banding occur from Section 2, 104 cm to Section 3, 28 cm and from Section 4, 68 cm to the base of the core.
Mud-bearing diatom ooze (~14/85%) with 1% sand, 1% pyrite and traces of radiolarians and silicoflagellates
Nannofossil-bearing diatom ooze (~10/75%) with 7% foraminifers, 5% mud, 3% carbonate and traces of radiolarians and silicoflagellates
Foraminifer-bearing nannofossil diatom ooze (~15/25/45%) with 9% carbonate, 5% mud and 1% radiolarians

Core Photo


1093A-29X 260.7-270.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
1
2
3
4
2
SS
CALCAREOUS DIATOM OOZE
Pale greenish tan, mottled, and moderately disturbed CALCAREOUS DIATOM OOZE.
Calcareous diatom ooze (~15% nannofossils/20% foraminifers/55% diatoms) with 9% mud and 1% radiolarians

Core Photo

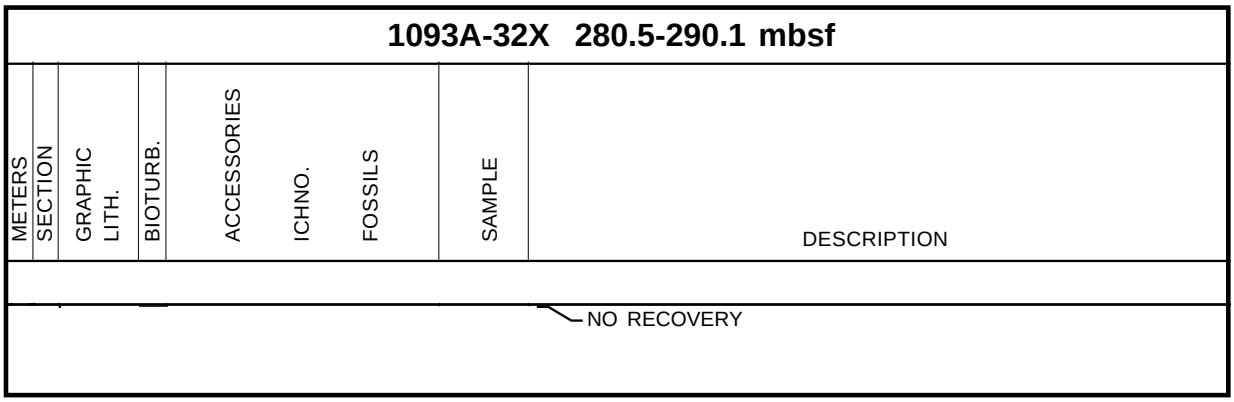

1093A-30H 270.4-275.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
1
2
3
4
2
SS
CALCAREOUS DIATOM OOZE
Tan with pinkish and dark gray CALCAREOUS DIATOM OOZE, mottled throughout. Black volcanic gravel is fall in at top of the core.
Calcareous diatom ooze (~20% nannofossils/,20% foraminifers/,53% diatoms) with 5% mud, 1% radiolarians, and 1% sponge spicules

Core Photo

1093A-31X 275.4-280.5 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	SAMPLE	DESCRIPTION
	1							NO RECOVERY

Core Photo



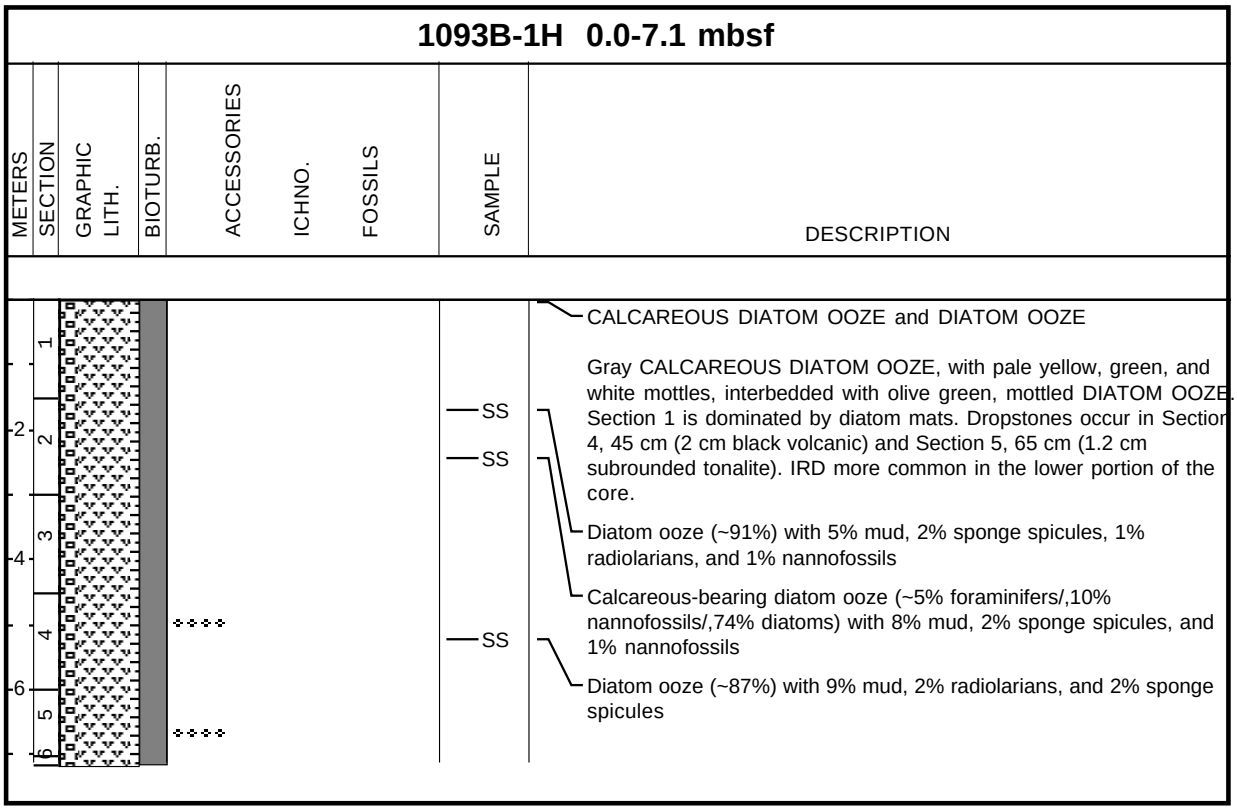
1093A-33X NO RECOVERY

Core Photo

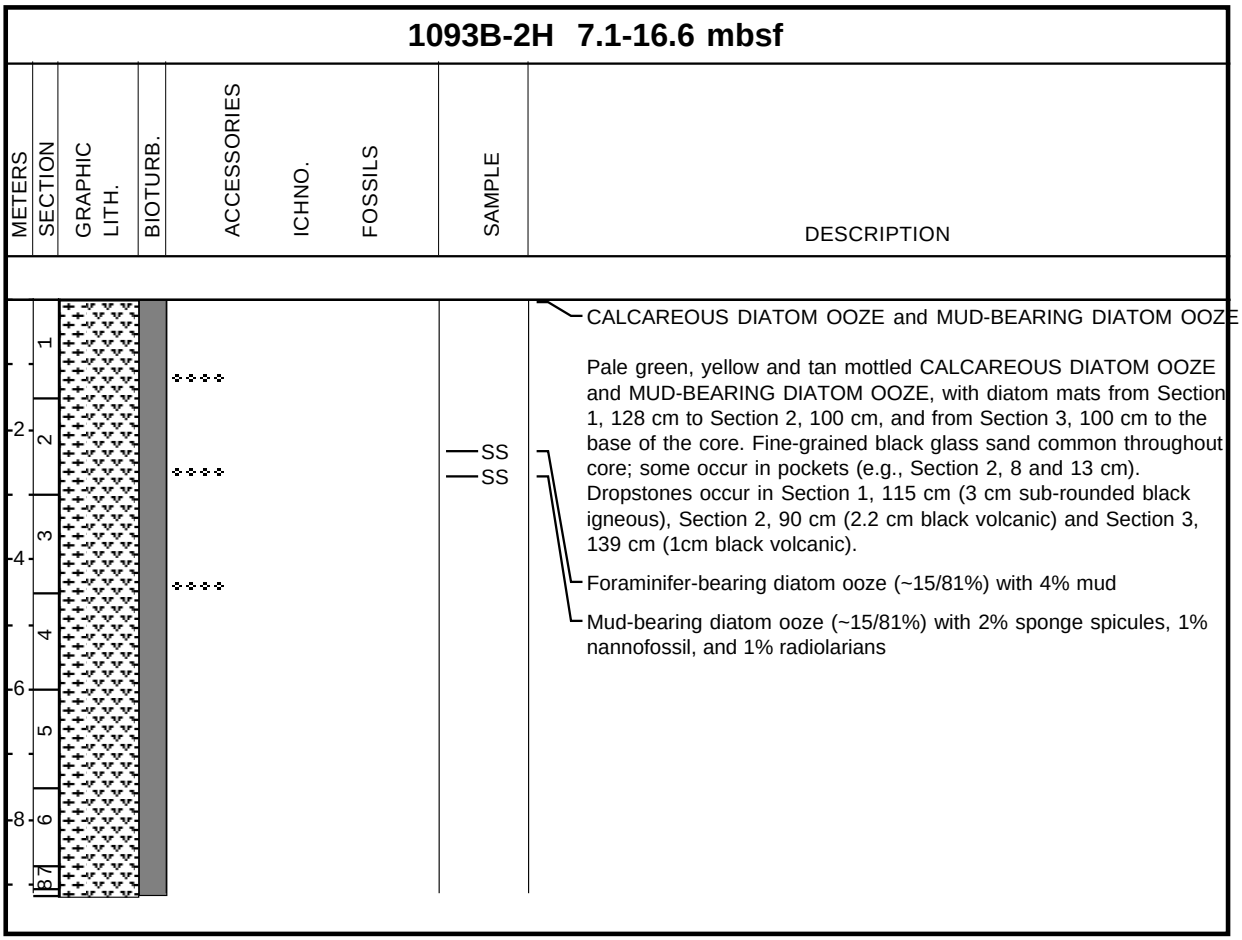
1093A-34X 299.8-309.4 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	SAMPLE	DESCRIPTION
1								NO RECOVERY

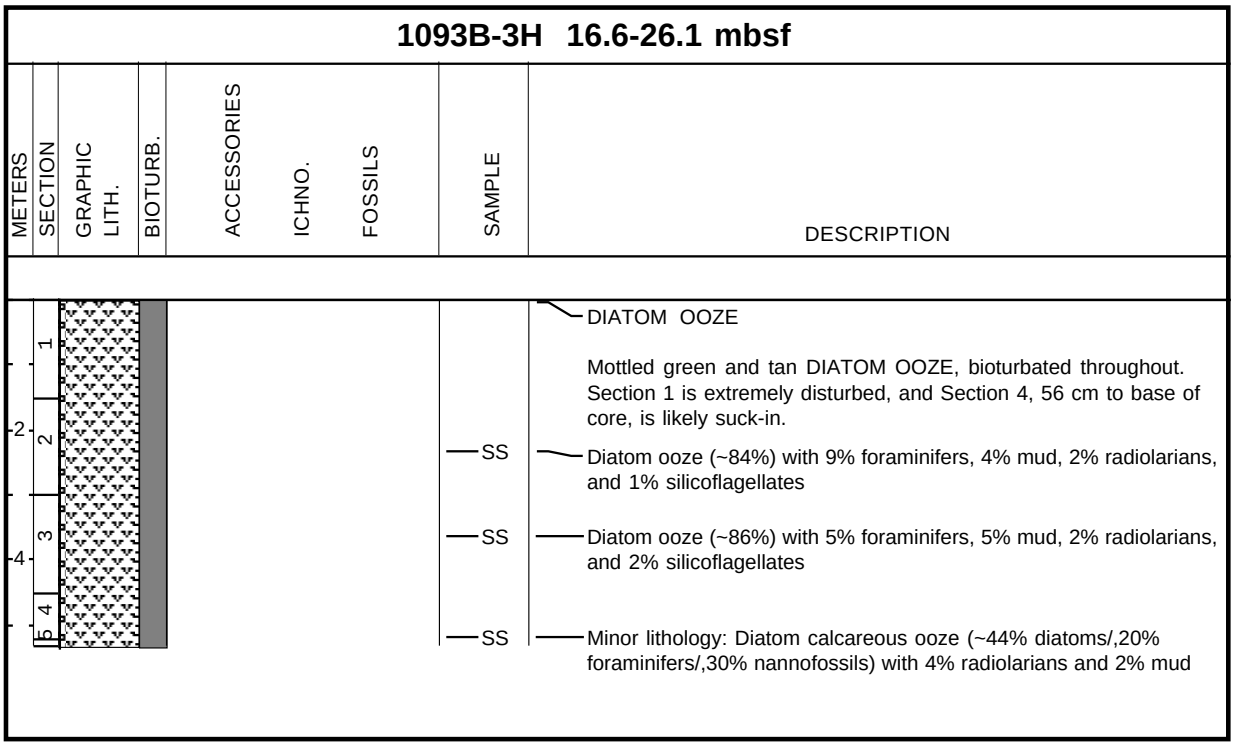
Core Photo


1093B-1H 0.0-7.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
SS
SS
SS
CALCAREOUS DIATOM OOZE and DIATOM OOZE
Gray CALCAREOUS DIATOM OOZE, with pale yellow, green, and white mottles, interbedded with olive green, mottled DIATOM OOZE. Section 1 is dominated by diatom mats. Dropstones occur in Section 4, 45 cm (2 cm black volcanic) and Section 5, 65 cm (1.2 cm subrounded tonalite). IRD more common in the lower portion of the core.
Diatom ooze (~91%) with 5% mud, 2% sponge spicules, 1% radiolarians, and 1% nannofossils
Calcareous-bearing diatom ooze (~5% foraminifers/,10% nannofossils/,74% diatoms) with 8% mud, 2% sponge spicules, and 1% nannofossils
Diatom ooze (~87%) with 9% mud, 2% radiolarians, and 2% sponge spicules

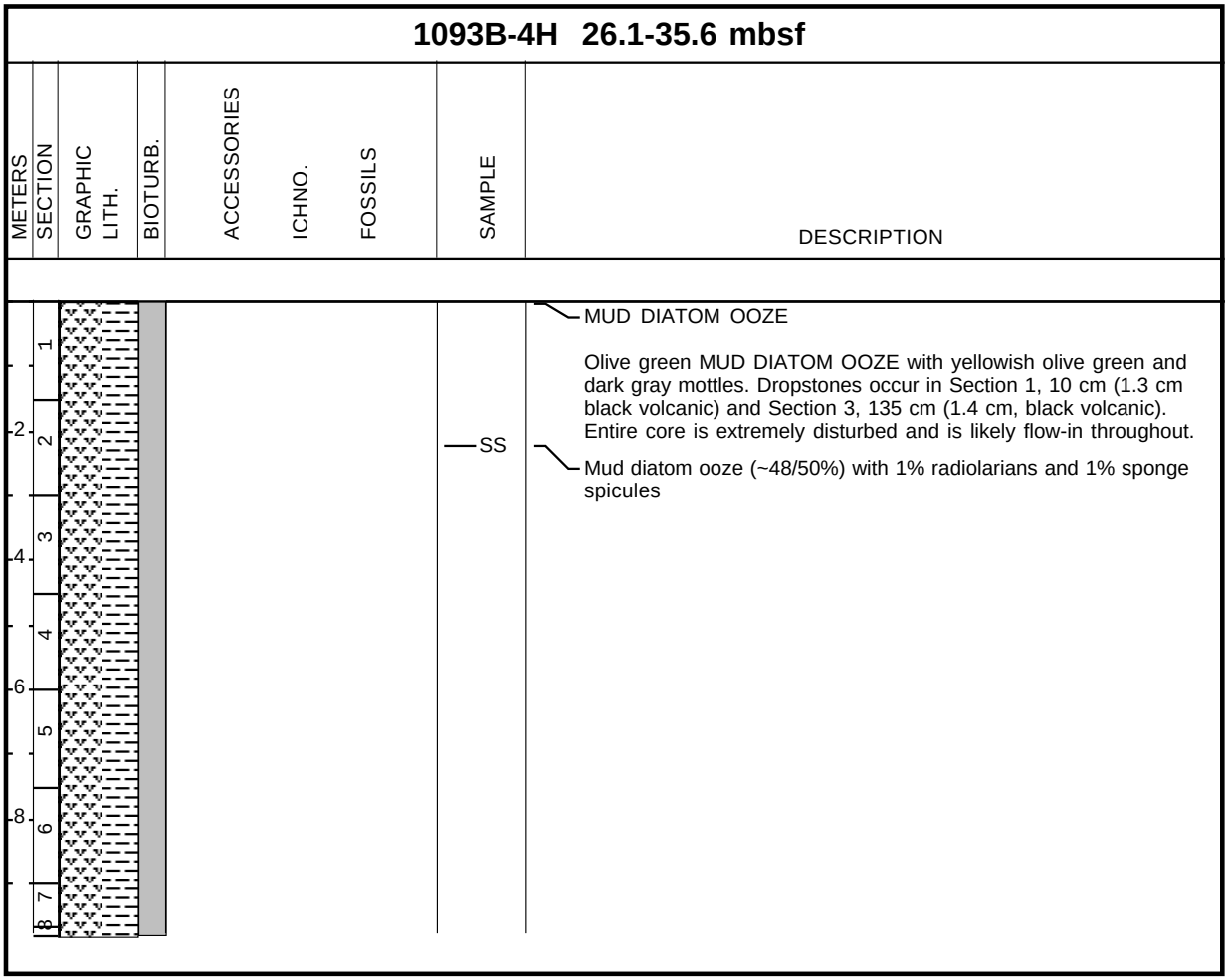
Core Photo


1093B-2H 7.1-16.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
SS
SS
CALCAREOUS DIATOM OOZE and MUD-BEARING DIATOM OOZE
Pale green, yellow and tan mottled CALCAREOUS DIATOM OOZE and MUD-BEARING DIATOM OOZE, with diatom mats from Section 1, 128 cm to Section 2, 100 cm, and from Section 3, 100 cm to the base of the core. Fine-grained black glass sand common throughout core; some occur in pockets (e.g., Section 2, 8 and 13 cm). Dropstones occur in Section 1, 115 cm (3 cm sub-rounded black igneous), Section 2, 90 cm (2.2 cm black volcanic) and Section 3, 139 cm (1cm black volcanic).
Foraminifer-bearing diatom ooze (~15/81%) with 4% mud
Mud-bearing diatom ooze (~15/81%) with 2% sponge spicules, 1% nannofossil, and 1% radiolarians

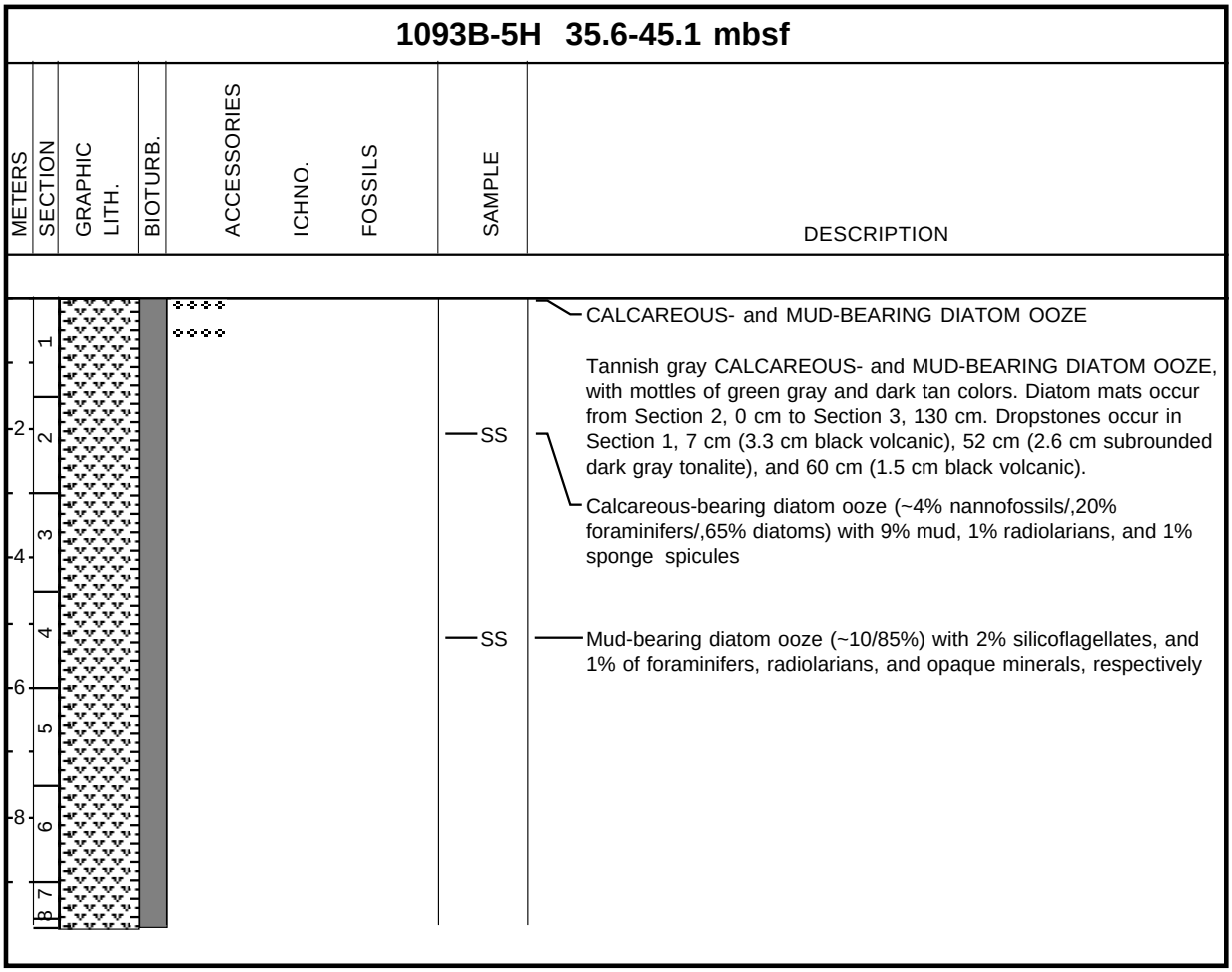
Core Photo


1093B-3H 16.6-26.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
-2
-4
1
2
3
4
5
SS
SS
SS
DIATOM OOZE
Mottled green and tan DIATOM OOZE, bioturbated throughout. Section 1 is extremely disturbed, and Section 4, 56 cm to base of core, is likely suck-in.
Diatom ooze (~84%) with 9% foraminifers, 4% mud, 2% radiolarians, and 1% silicoflagellates
Diatom ooze (~86%) with 5% foraminifers, 5% mud, 2% radiolarians, and 2% silicoflagellates
Minor lithology: Diatom calcareous ooze (~44% diatoms/,20% foraminifers/,30% nannofossils) with 4% radiolarians and 2% mud

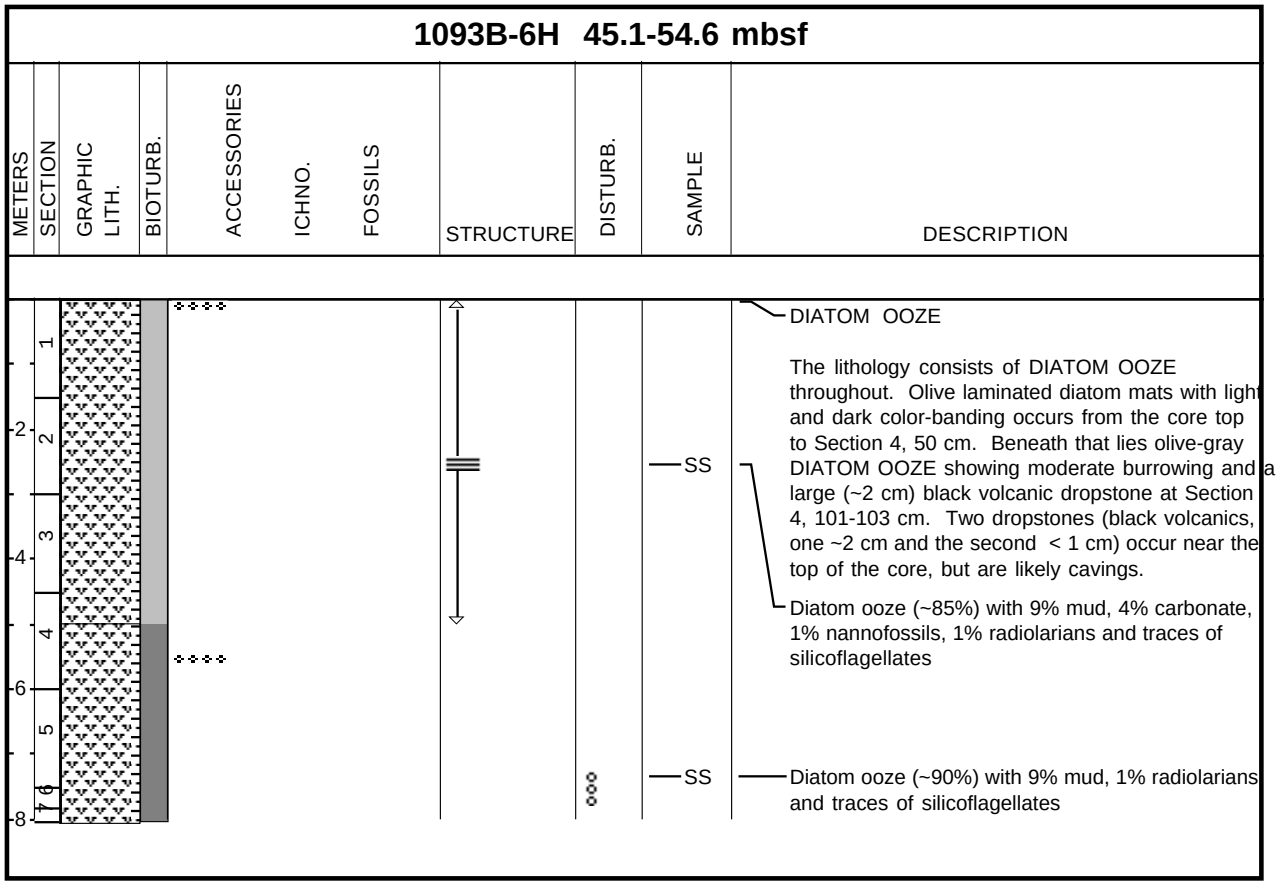
Core Photo


1093B-4H 26.1-35.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
SS
MUD DIATOM OOZE
Olive green MUD DIATOM OOZE with yellowish olive green and dark gray mottles. Dropstones occur in Section 1, 10 cm (1.3 cm black volcanic) and Section 3, 135 cm (1.4 cm, black volcanic). Entire core is extremely disturbed and is likely flow-in throughout.
Mud diatom ooze (~48/50%) with 1% radiolarians and 1% sponge spicules

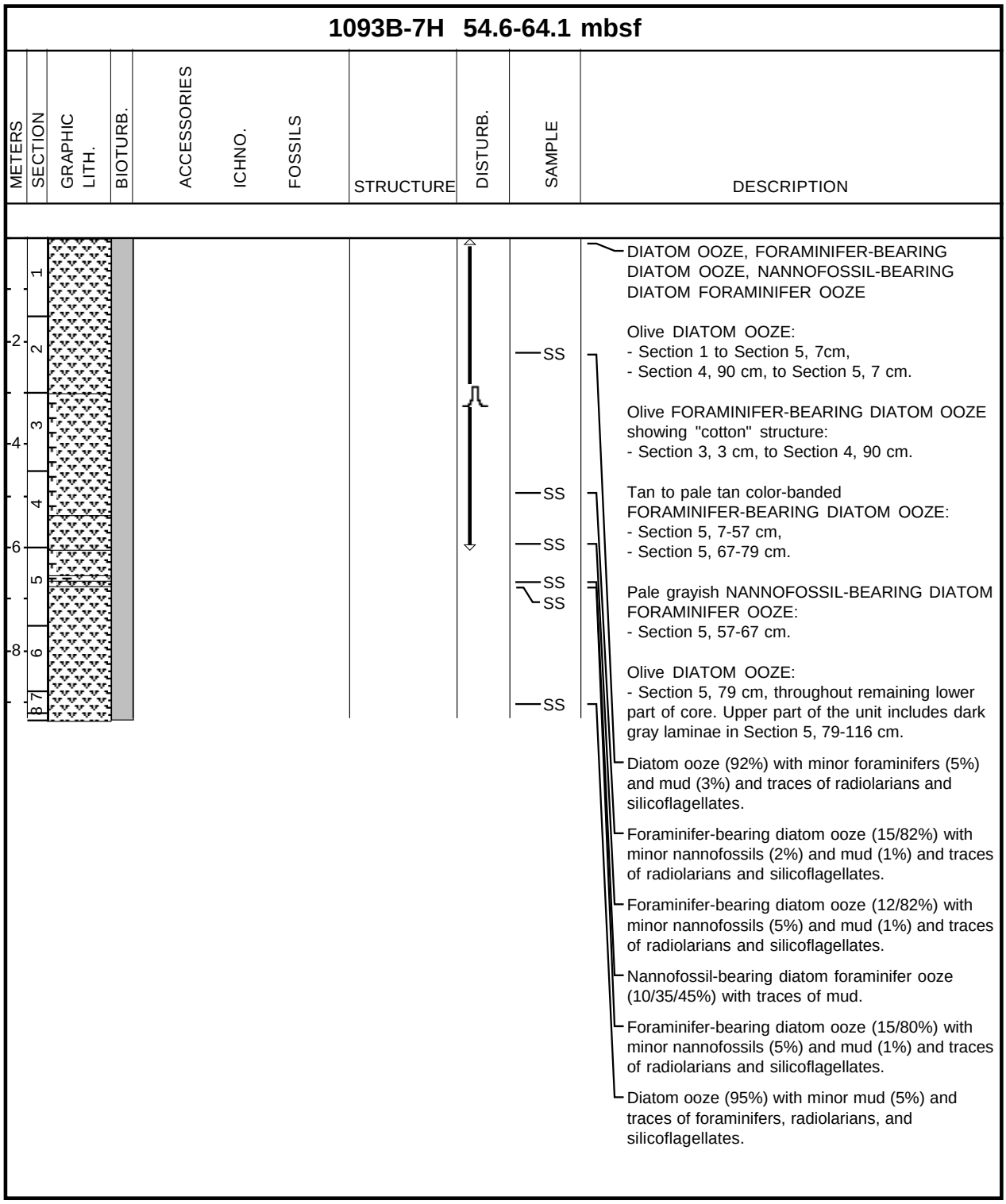
Core Photo


1093B-5H 35.6-45.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
SS
SS
CALCAREOUS- and MUD-BEARING DIATOM OOZE
Tannish gray CALCAREOUS- and MUD-BEARING DIATOM OOZE, with mottles of green gray and dark tan colors. Diatom mats occur from Section 2, 0 cm to Section 3, 130 cm. Dropstones occur in Section 1, 7 cm (3.3 cm black volcanic), 52 cm (2.6 cm subrounded dark gray tonalite), and 60 cm (1.5 cm black volcanic).
Calcareous-bearing diatom ooze (~4% nannofossils/,20% foraminifers/,65% diatoms) with 9% mud, 1% radiolarians, and 1% sponge spicules
Mud-bearing diatom ooze (~10/85%) with 2% silicoflagellates, and 1% of foraminifers, radiolarians, and opaque minerals, respectively

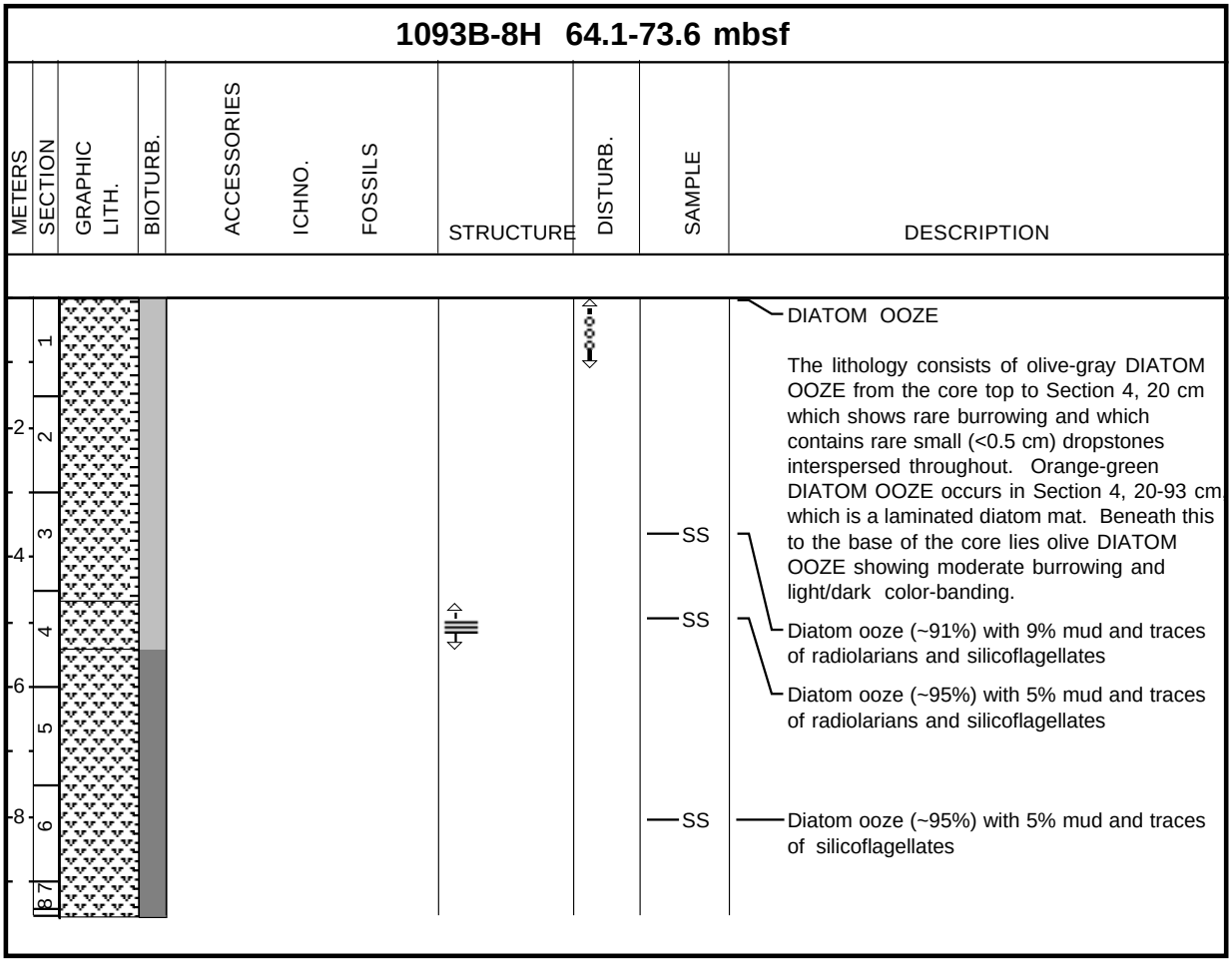
Core Photo


1093B-6H 45.1-54.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
The lithology consists of DIATOM OOZE throughout. Olive laminated diatom mats with light and dark color-banding occurs from the core top to Section 4, 50 cm. Beneath that lies olive-gray DIATOM OOZE showing moderate burrowing and a large (~2 cm) black volcanic dropstone at Section 4, 101-103 cm. Two dropstones (black volcanics, one ~2 cm and the second < 1 cm) occur near the top of the core, but are likely cavings.
SS
Diatom ooze (~85%) with 9% mud, 4% carbonate, 1% nannofossils, 1% radiolarians and traces of silicoflagellates
SS
Diatom ooze (~90%) with 9% mud, 1% radiolarians and traces of silicoflagellates

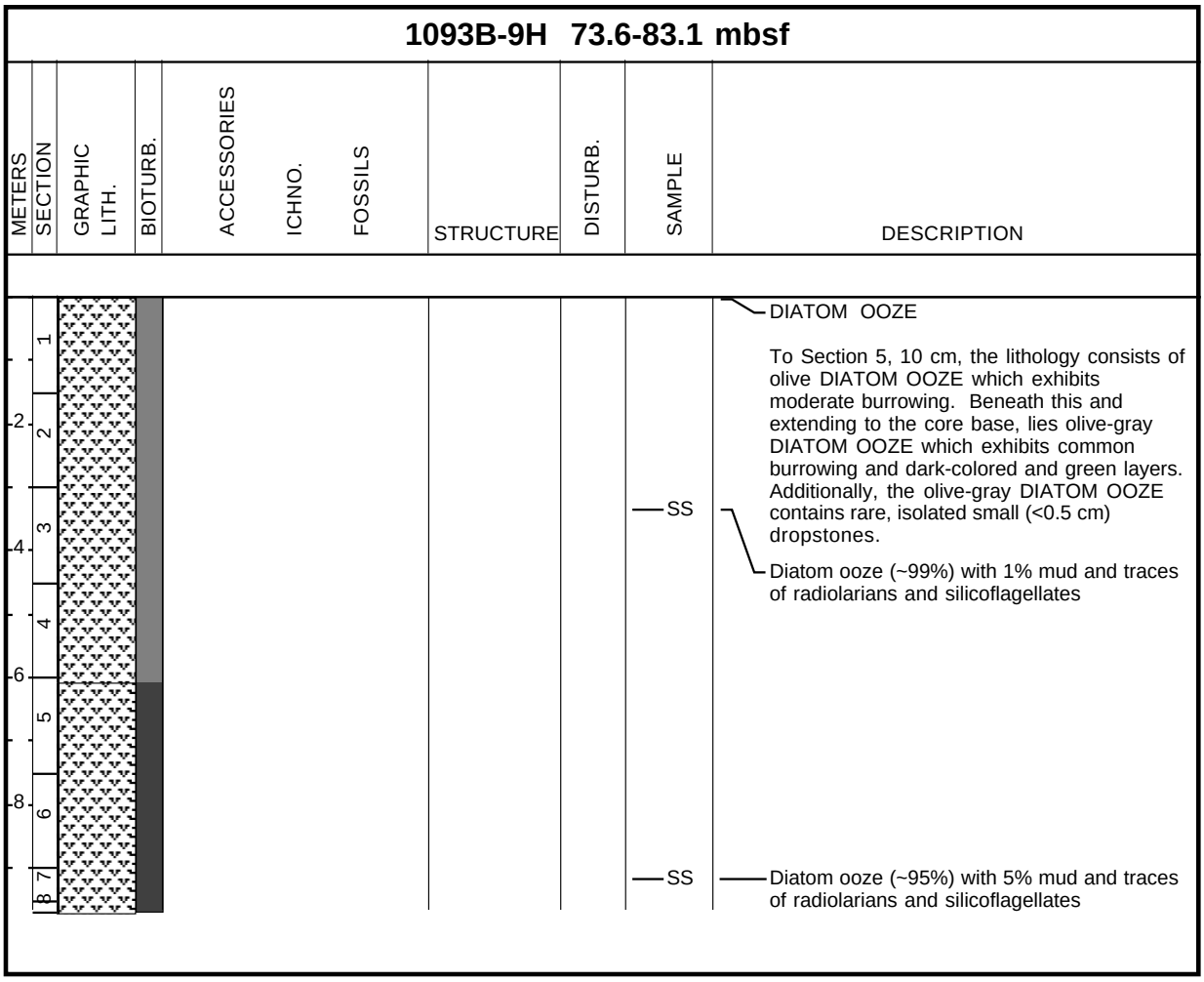
Core Photo


1093B-7H 54.6-64.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
DIATOM OOZE, FORAMINIFER-BEARING
DIATOM OOZE, NANNOFOSSIL-BEARING
DIATOM FORAMINIFER OOZE
Olive DIATOM OOZE:
- Section 1 to Section 5, 7cm,
- Section 4, 90 cm, to Section 5, 7 cm.
Olive FORAMINIFER-BEARING DIATOM OOZE showing "cotton" structure:
- Section 3, 3 cm, to Section 4, 90 cm.
Tan to pale tan color-banded FORAMINIFER-BEARING DIATOM OOZE:
- Section 5, 7-57 cm,
- Section 5, 67-79 cm.
Pale grayish NANNOFOSSIL-BEARING DIATOM FORAMINIFER OOZE:
- Section 5, 57-67 cm.
Olive DIATOM OOZE:
- Section 5, 79 cm, throughout remaining lower part of core. Upper part of the unit includes dark gray laminae in Section 5, 79-116 cm.
Diatom ooze (92%) with minor foraminifers (5%) and mud (3%) and traces of radiolarians and silicoflagellates.
Foraminifer-bearing diatom ooze (15/82%) with minor nannofossils (2%) and mud (1%) and traces of radiolarians and silicoflagellates.
Foraminifer-bearing diatom ooze (12/82%) with minor nannofossils (5%) and mud (1%) and traces of radiolarians and silicoflagellates.
Nannofossil-bearing diatom foraminifer ooze (10/35/45%) with traces of mud.
Foraminifer-bearing diatom ooze (15/80%) with minor nannofossils (5%) and mud (1%) and traces of radiolarians and silicoflagellates.
Diatom ooze (95%) with minor mud (5%) and traces of foraminifers, radiolarians, and silicoflagellates.

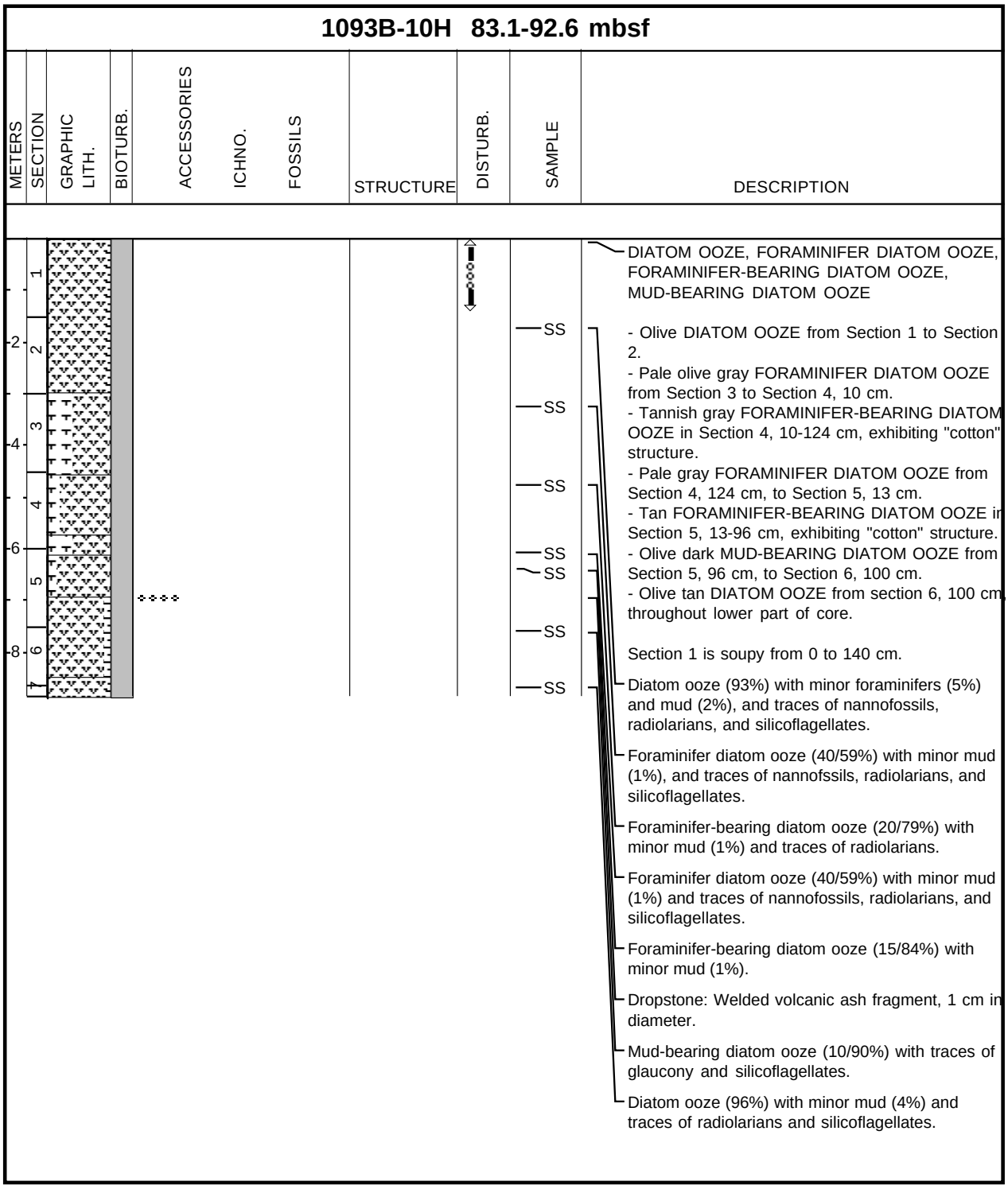
Core Photo


1093B-8H 64.1-73.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
The lithology consists of olive-gray DIATOM OOZE from the core top to Section 4, 20 cm which shows rare burrowing and which contains rare small (<0.5 cm) dropstones interspersed throughout. Orange-green DIATOM OOZE occurs in Section 4, 20-93 cm which is a laminated diatom mat. Beneath this to the base of the core lies olive DIATOM OOZE showing moderate burrowing and light/dark color-banding.
SS
SS
Diatom ooze (~91%) with 9% mud and traces of radiolarians and silicoflagellates
Diatom ooze (~95%) with 5% mud and traces of radiolarians and silicoflagellates
SS
Diatom ooze (~95%) with 5% mud and traces of silicoflagellates

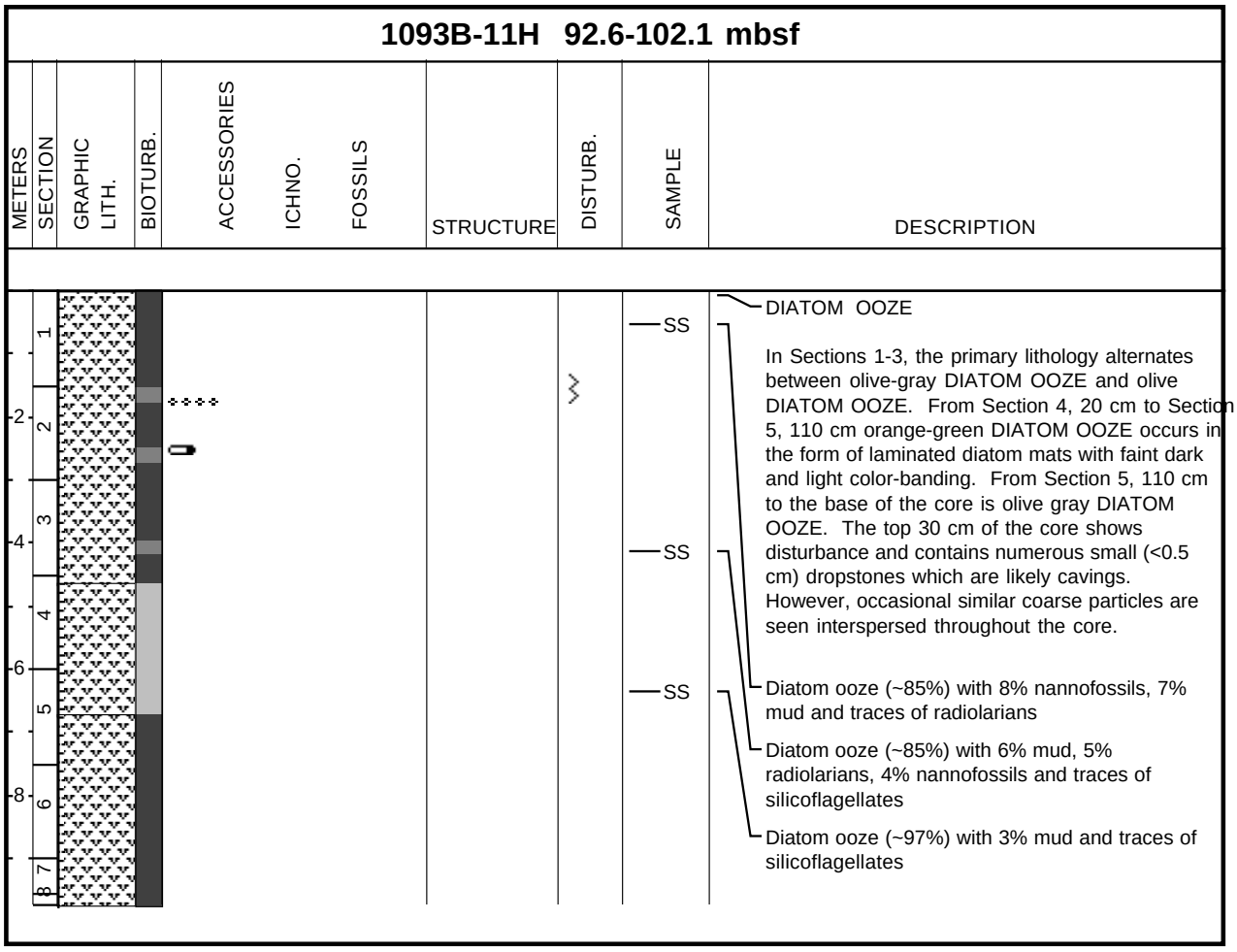
Core Photo


1093B-9H 73.6-83.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
To Section 5, 10 cm, the lithology consists of olive DIATOM OOZE which exhibits moderate burrowing. Beneath this and extending to the core base, lies olive-gray DIATOM OOZE which exhibits common burrowing and dark-colored and green layers. Additionally, the olive-gray DIATOM OOZE contains rare, isolated small (<0.5 cm) dropstones.
SS
Diatom ooze (~99%) with 1% mud and traces of radiolarians and silicoflagellates
SS
Diatom ooze (~95%) with 5% mud and traces of radiolarians and silicoflagellates

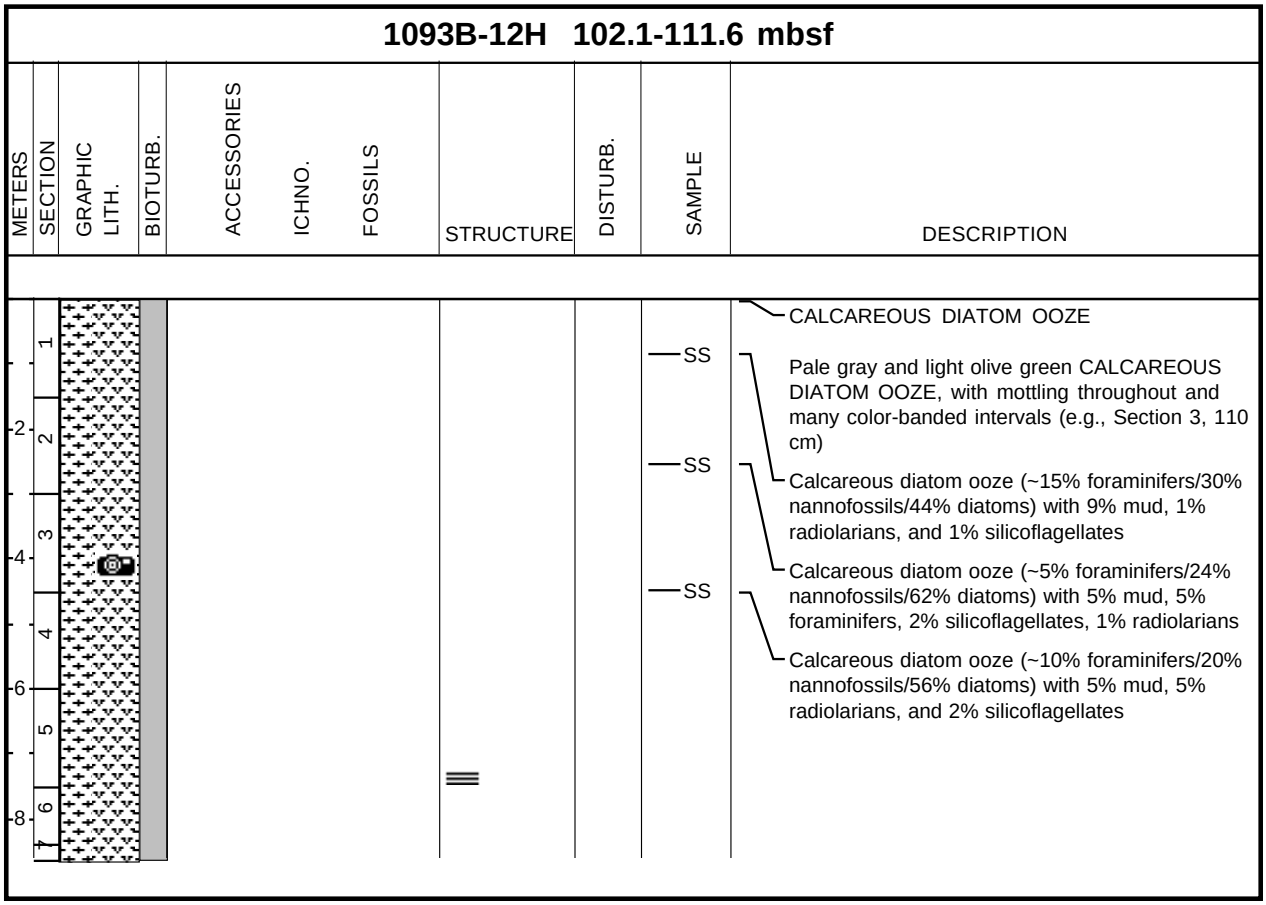
Core Photo


1093B-10H 83.1-92.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
DIATOM OOZE, FORAMINIFER DIATOM OOZE, FORAMINIFER-BEARING DIATOM OOZE, MUD-BEARING DIATOM OOZE
- Olive DIATOM OOZE from Section 1 to Section 2.
- Pale olive gray FORAMINIFER DIATOM OOZE from Section 3 to Section 4, 10 cm.
- Tannish gray FORAMINIFER-BEARING DIATOM OOZE in Section 4, 10-124 cm, exhibiting "cotton" structure.
- Pale gray FORAMINIFER DIATOM OOZE from Section 4, 124 cm, to Section 5, 13 cm.
- Tan FORAMINIFER-BEARING DIATOM OOZE in Section 5, 13-96 cm, exhibiting "cotton" structure.
- Olive dark MUD-BEARING DIATOM OOZE from Section 5, 96 cm, to Section 6, 100 cm.
- Olive tan DIATOM OOZE from section 6, 100 cm, throughout lower part of core.
Section 1 is soupy from 0 to 140 cm.
Diatom ooze (93%) with minor foraminifers (5%) and mud (2%), and traces of nannofossils, radiolarians, and silicoflagellates.
Foraminifer diatom ooze (40/59%) with minor mud (1%), and traces of nannofssils, radiolarians, and silicoflagellates.
Foraminifer-bearing diatom ooze (20/79%) with minor mud (1%) and traces of radiolarians.
Foraminifer diatom ooze (40/59%) with minor mud (1%) and traces of nannofossils, radiolarians, and silicoflagellates.
Foraminifer-bearing diatom ooze (15/84%) with minor mud (1%).
Dropstone: Welded volcanic ash fragment, 1 cm in diameter.
Mud-bearing diatom ooze (10/90%) with traces of glaucony and silicoflagellates.
Diatom ooze (96%) with minor mud (4%) and traces of radiolarians and silicoflagellates.

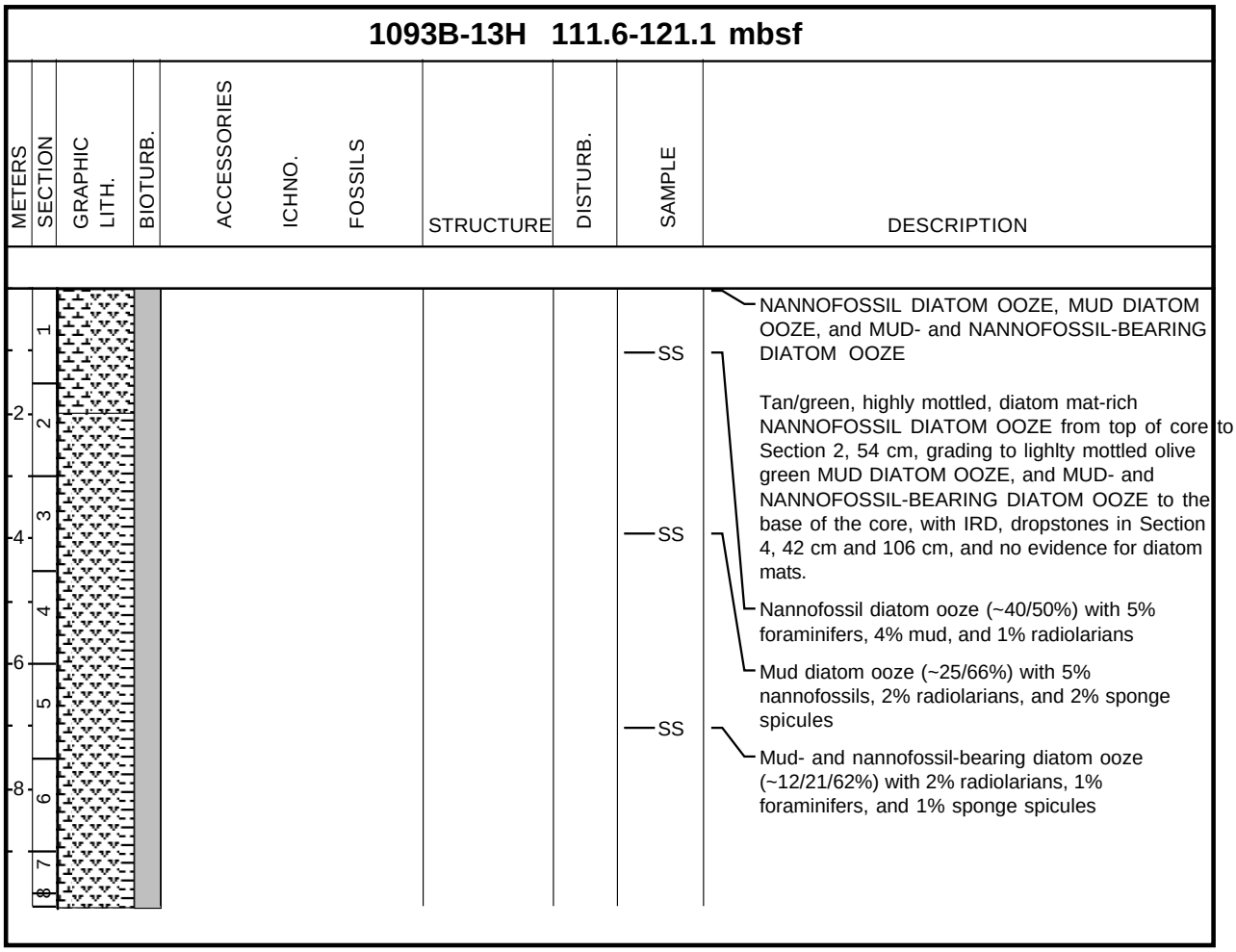
Core Photo


1093B-11H 92.6-102.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE
In Sections 1-3, the primary lithology alternates between olive-gray DIATOM OOZE and olive DIATOM OOZE. From Section 4, 20 cm to Section 5, 110 cm orange-green DIATOM OOZE occurs in the form of laminated diatom mats with faint dark and light color-banding. From Section 5, 110 cm to the base of the core is olive gray DIATOM OOZE. The top 30 cm of the core shows disturbance and contains numerous small (<0.5 cm) dropstones which are likely cavings. However, occasional similar coarse particles are seen interspersed throughout the core.
Diatom ooze (~85%) with 8% nannofossils, 7% mud and traces of radiolarians
Diatom ooze (~85%) with 6% mud, 5% radiolarians, 4% nannofossils and traces of silicoflagellates
Diatom ooze (~97%) with 3% mud and traces of silicoflagellates

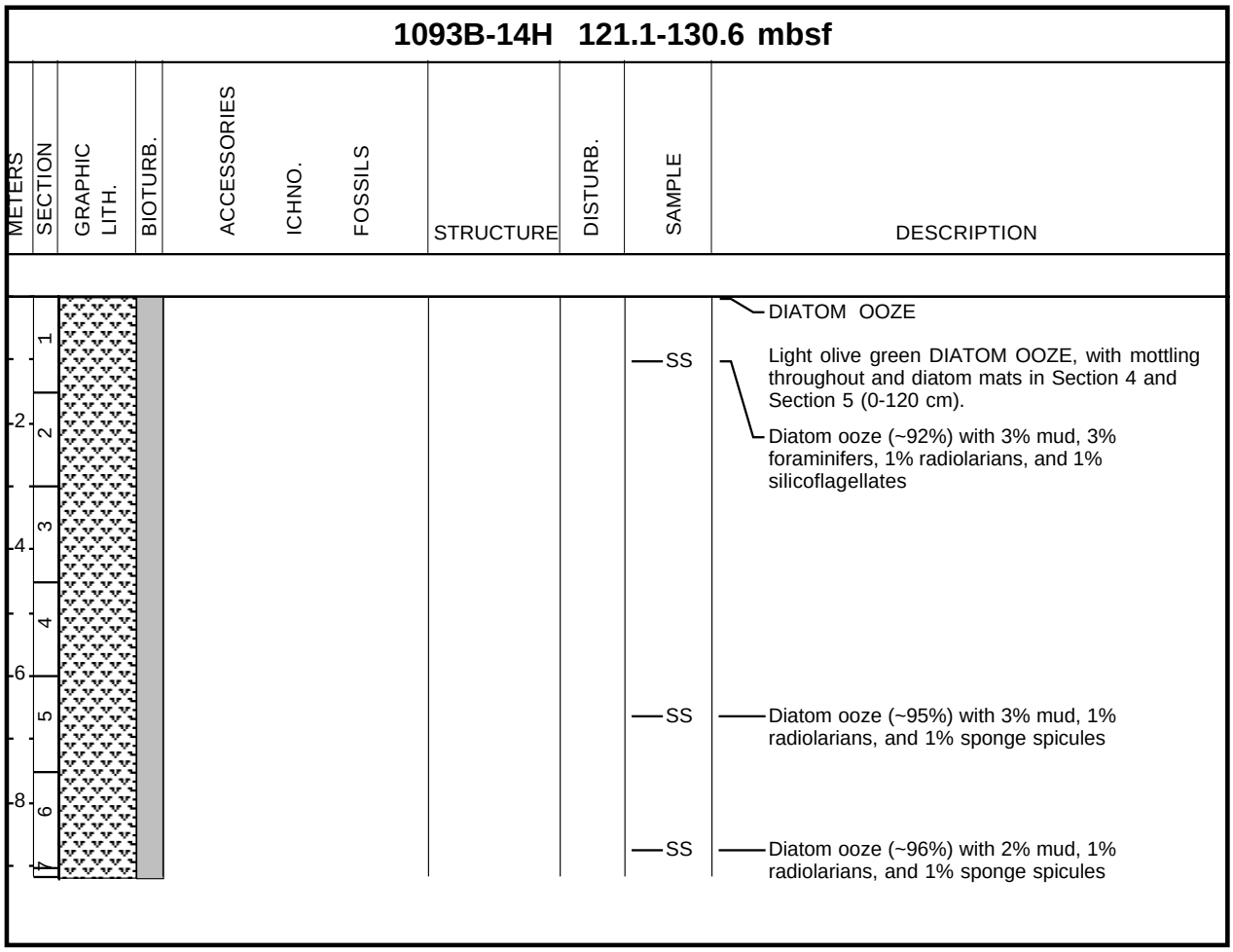
Core Photo


1093B-12H 102.1-111.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
CALCAREOUS DIATOM OOZE
Pale gray and light olive green CALCAREOUS DIATOM OOZE, with mottling throughout and many color-banded intervals (e.g., Section 3, 110 cm)
Calcareous diatom ooze (~15% foraminifers/30% nannofossils/44% diatoms) with 9% mud, 1% radiolarians, and 1% silicoflagellates
Calcareous diatom ooze (~5% foraminifers/24% nannofossils/62% diatoms) with 5% mud, 5% foraminifers, 2% silicoflagellates, 1% radiolarians
Calcareous diatom ooze (~10% foraminifers/20% nannofossils/56% diatoms) with 5% mud, 5% radiolarians, and 2% silicoflagellates

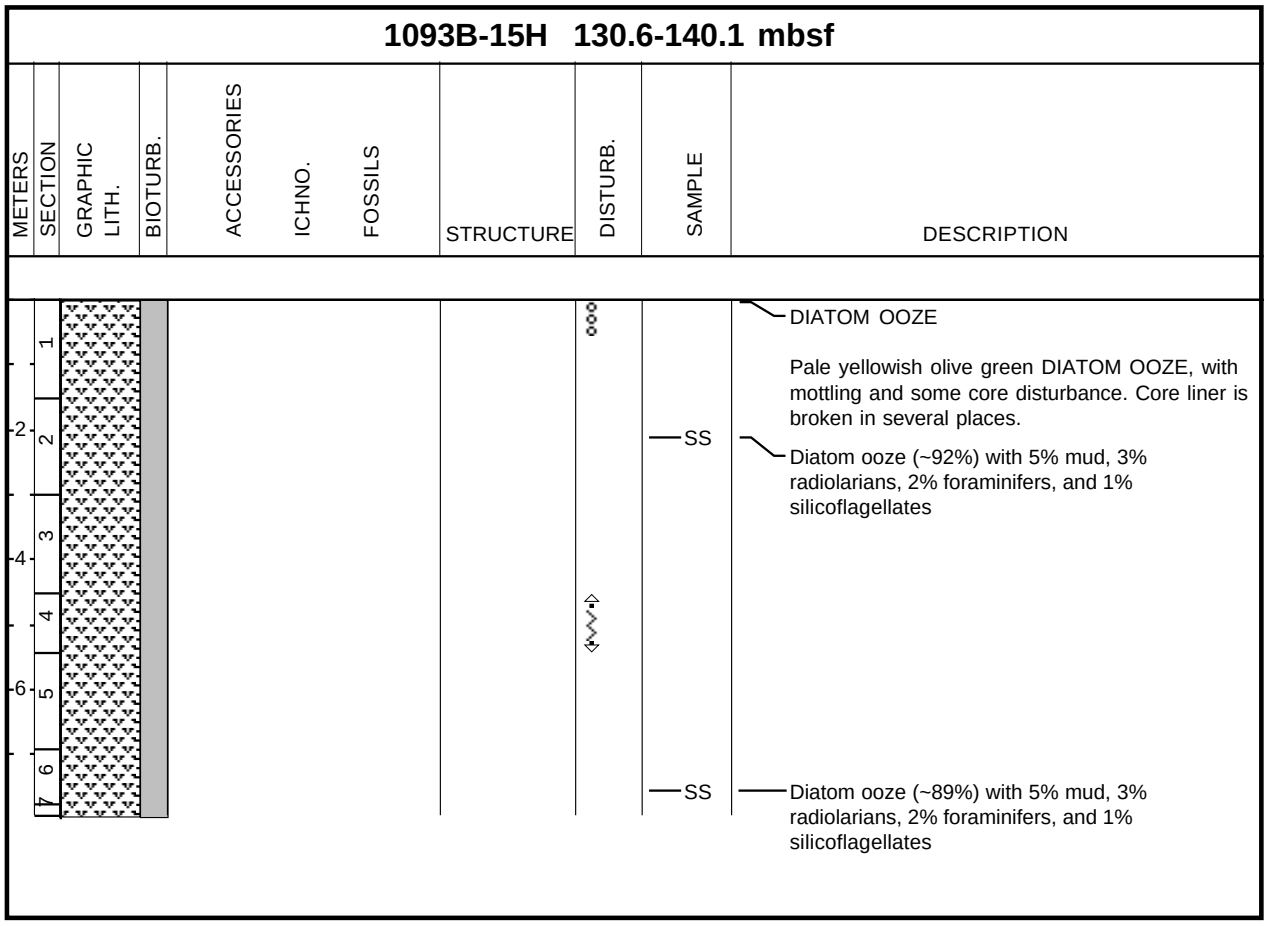
Core Photo


1093B-13H 111.6-121.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
NANNOFOSSIL DIATOM OOZE, MUD DIATOM OOZE, and MUD- and NANNOFOSSIL-BEARING DIATOM OOZE
Tan/green, highly mottled, diatom mat-rich NANNOFOSSIL DIATOM OOZE from top of core to Section 2, 54 cm, grading to lighlty mottled olive green MUD DIATOM OOZE, and MUD- and NANNOFOSSIL-BEARING DIATOM OOZE to the base of the core, with IRD, dropstones in Section 4, 42 cm and 106 cm, and no evidence for diatom mats.
Nannofossil diatom ooze (~40/50%) with 5% foraminifers, 4% mud, and 1% radiolarians
Mud diatom ooze (~25/66%) with 5% nannofossils, 2% radiolarians, and 2% sponge spicules
Mud- and nannofossil-bearing diatom ooze (~12/21/62%) with 2% radiolarians, 1% foraminifers, and 1% sponge spicules

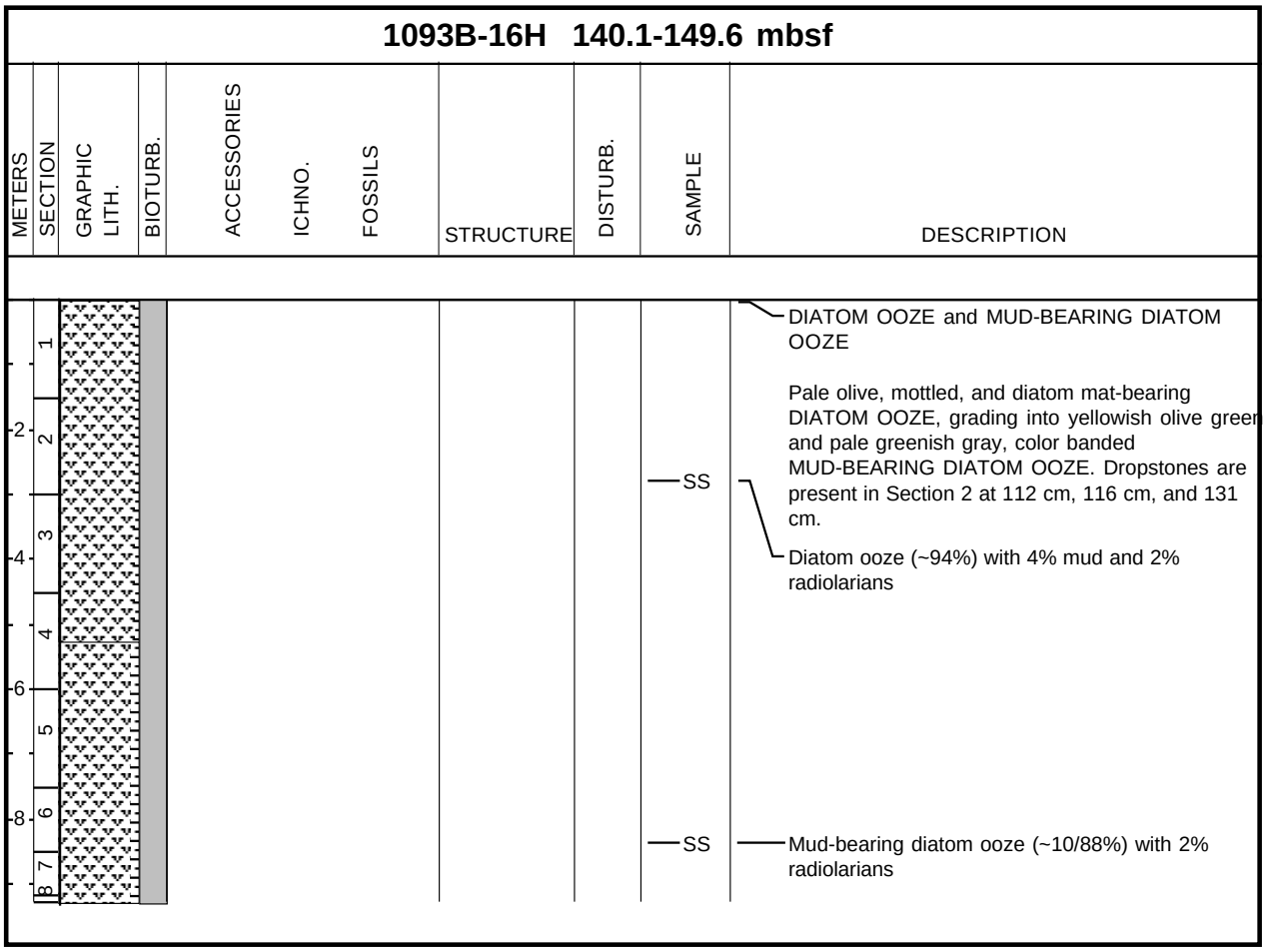
Core Photo


1093B-14H 121.1-130.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
SS
Light olive green DIATOM OOZE, with mottling throughout and diatom mats in Section 4 and Section 5 (0-120 cm).
Diatom ooze (~92%) with 3% mud, 3% foraminifers, 1% radiolarians, and 1% silicoflagellates
SS
Diatom ooze (~95%) with 3% mud, 1% radiolarians, and 1% sponge spicules
SS
Diatom ooze (~96%) with 2% mud, 1% radiolarians, and 1% sponge spicules

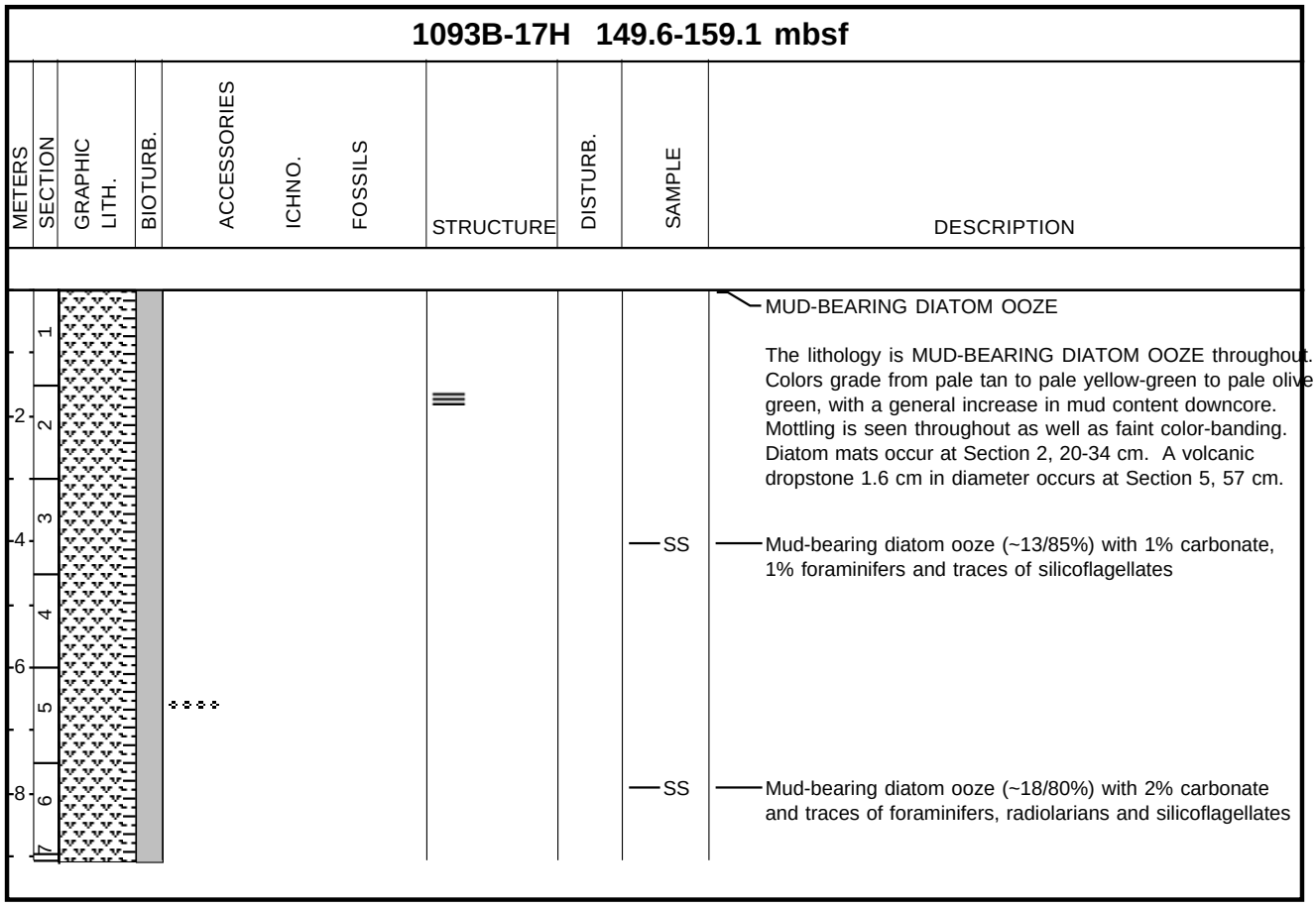
Core Photo


1093B-15H 130.6-140.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Pale yellowish olive green DIATOM OOZE, with mottling and some core disturbance. Core liner is broken in several places.
SS
Diatom ooze (~92%) with 5% mud, 3% radiolarians, 2% foraminifers, and 1% silicoflagellates
SS
Diatom ooze (~89%) with 5% mud, 3% radiolarians, 2% foraminifers, and 1% silicoflagellates

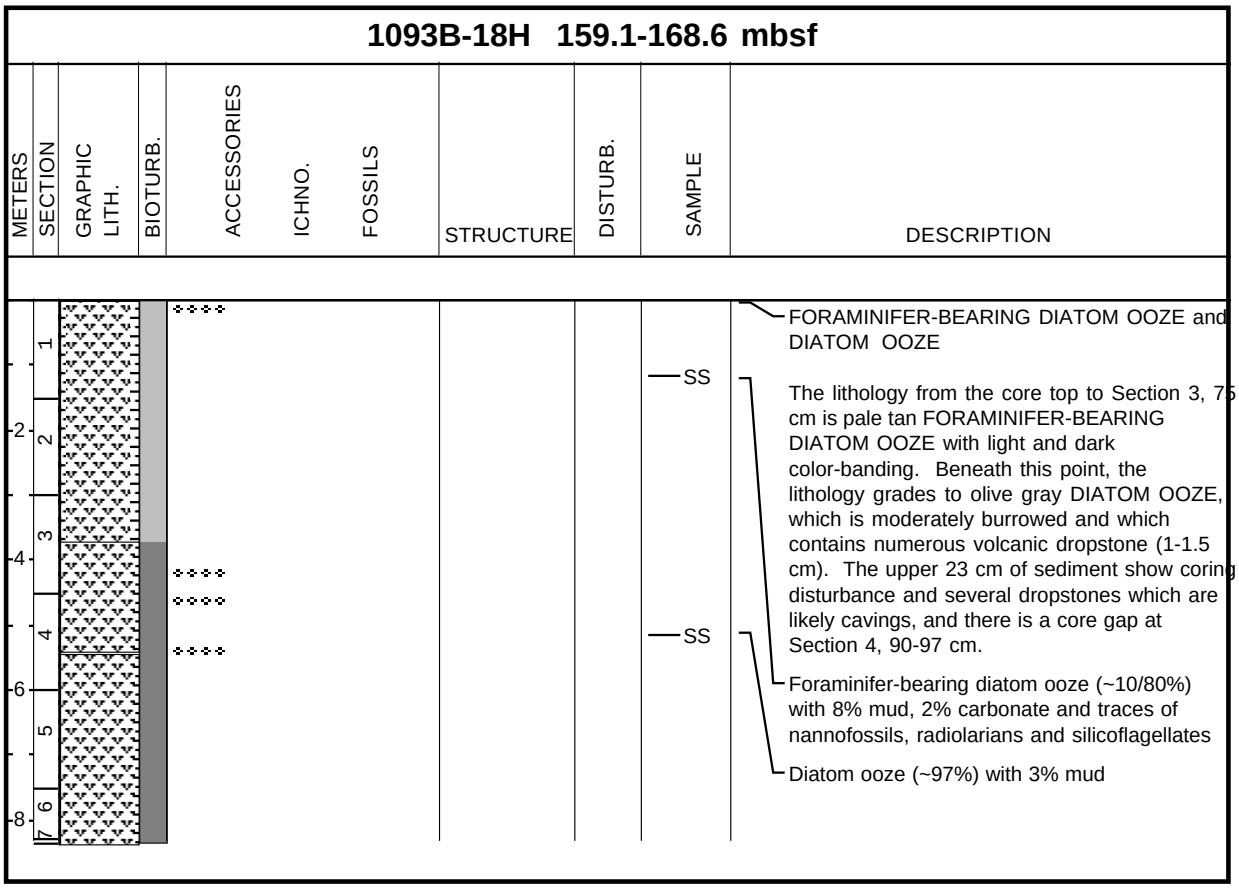
Core Photo


1093B-16H 140.1-149.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE and MUD-BEARING DIATOM OOZE
Pale olive, mottled, and diatom mat-bearing DIATOM OOZE, grading into yellowish olive green and pale greenish gray, color banded MUD-BEARING DIATOM OOZE. Dropstones are present in Section 2 at 112 cm, 116 cm, and 131 cm.
SS
Diatom ooze (~94%) with 4% mud and 2% radiolarians
SS
Mud-bearing diatom ooze (~10/88%) with 2% radiolarians

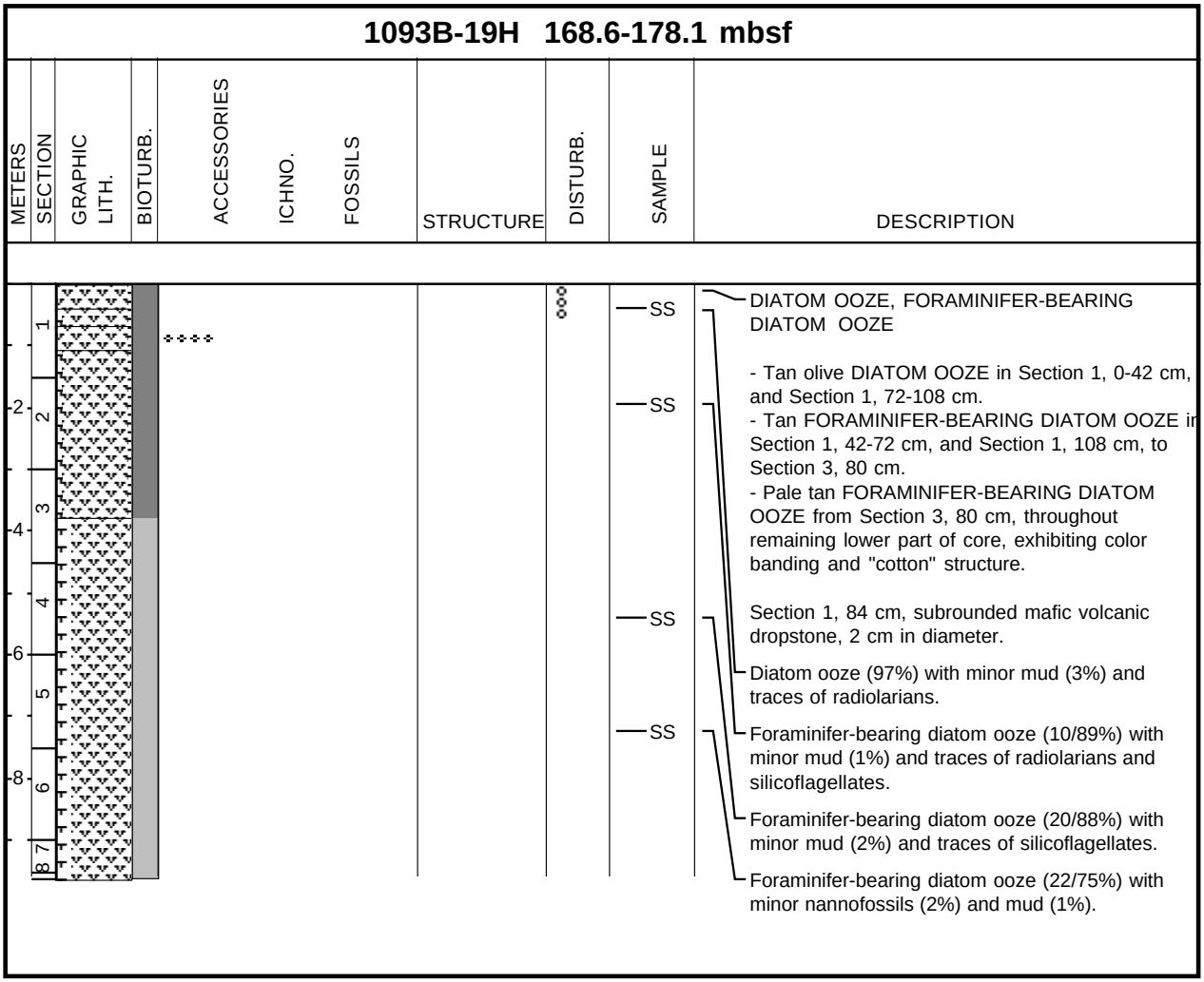
Core Photo


1093B-17H 149.6-159.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
MUD-BEARING DIATOM OOZE
The lithology is MUD-BEARING DIATOM OOZE throughout. Colors grade from pale tan to pale yellow-green to pale olive green, with a general increase in mud content downcore. Mottling is seen throughout as well as faint color-banding. Diatom mats occur at Section 2, 20-34 cm. A volcanic dropstone 1.6 cm in diameter occurs at Section 5, 57 cm.
SS
Mud-bearing diatom ooze (~13/85%) with 1% carbonate, 1% foraminifers and traces of silicoflagellates
SS
Mud-bearing diatom ooze (~18/80%) with 2% carbonate and traces of foraminifers, radiolarians and silicoflagellates

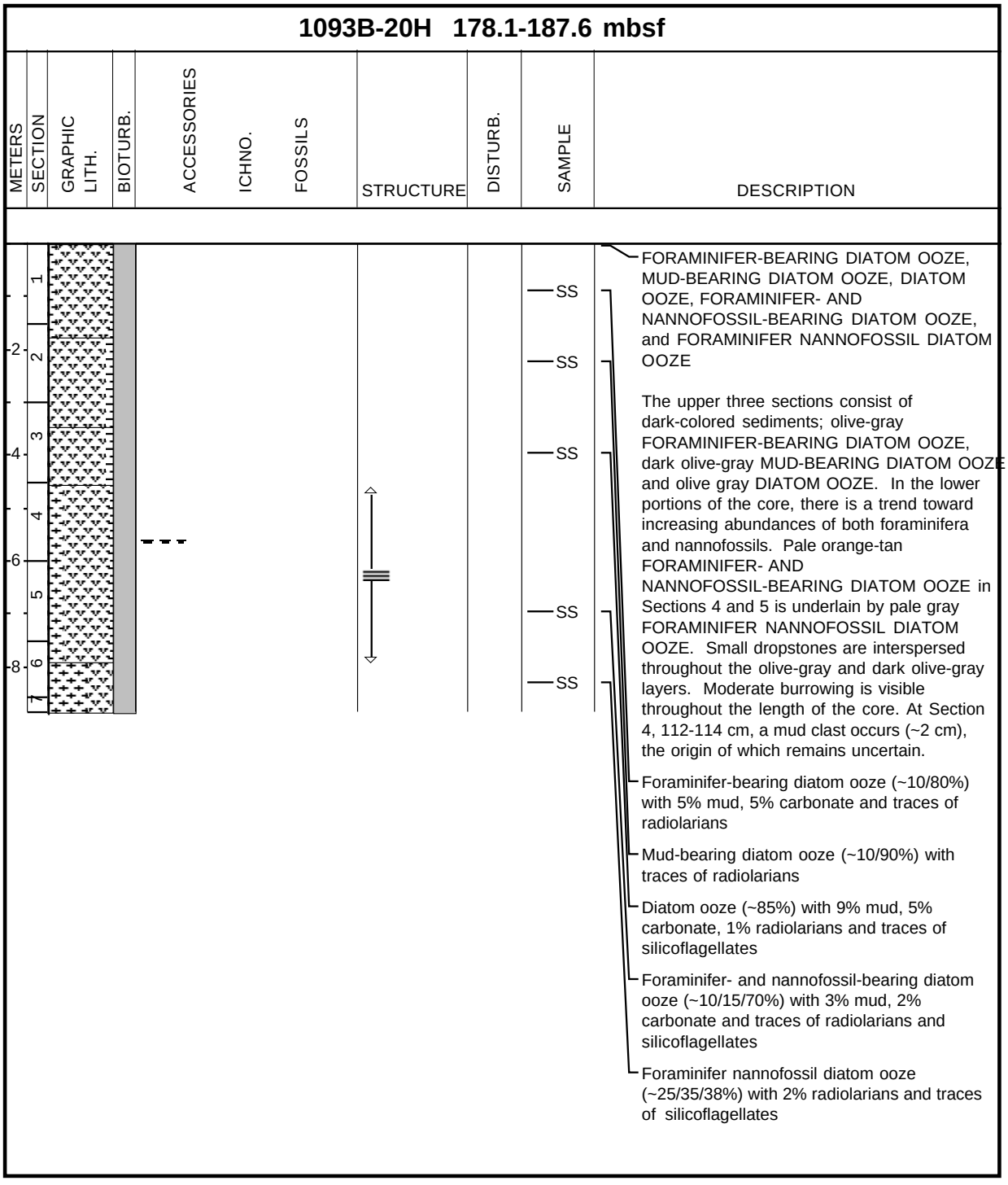
Core Photo


1093B-18H 159.1-168.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
FORAMINIFER-BEARING DIATOM OOZE and DIATOM OOZE
The lithology from the core top to Section 3, 75 cm is pale tan FORAMINIFER-BEARING DIATOM OOZE with light and dark color-banding. Beneath this point, the lithology grades to olive gray DIATOM OOZE, which is moderately burrowed and which contains numerous volcanic dropstone (1-1.5 cm). The upper 23 cm of sediment show coring disturbance and several dropstones which are likely cavings, and there is a core gap at Section 4, 90-97 cm.
Foraminifer-bearing diatom ooze (~10/80%) with 8% mud, 2% carbonate and traces of nannofossils, radiolarians and silicoflagellates
Diatom ooze (~97%) with 3% mud

Core Photo

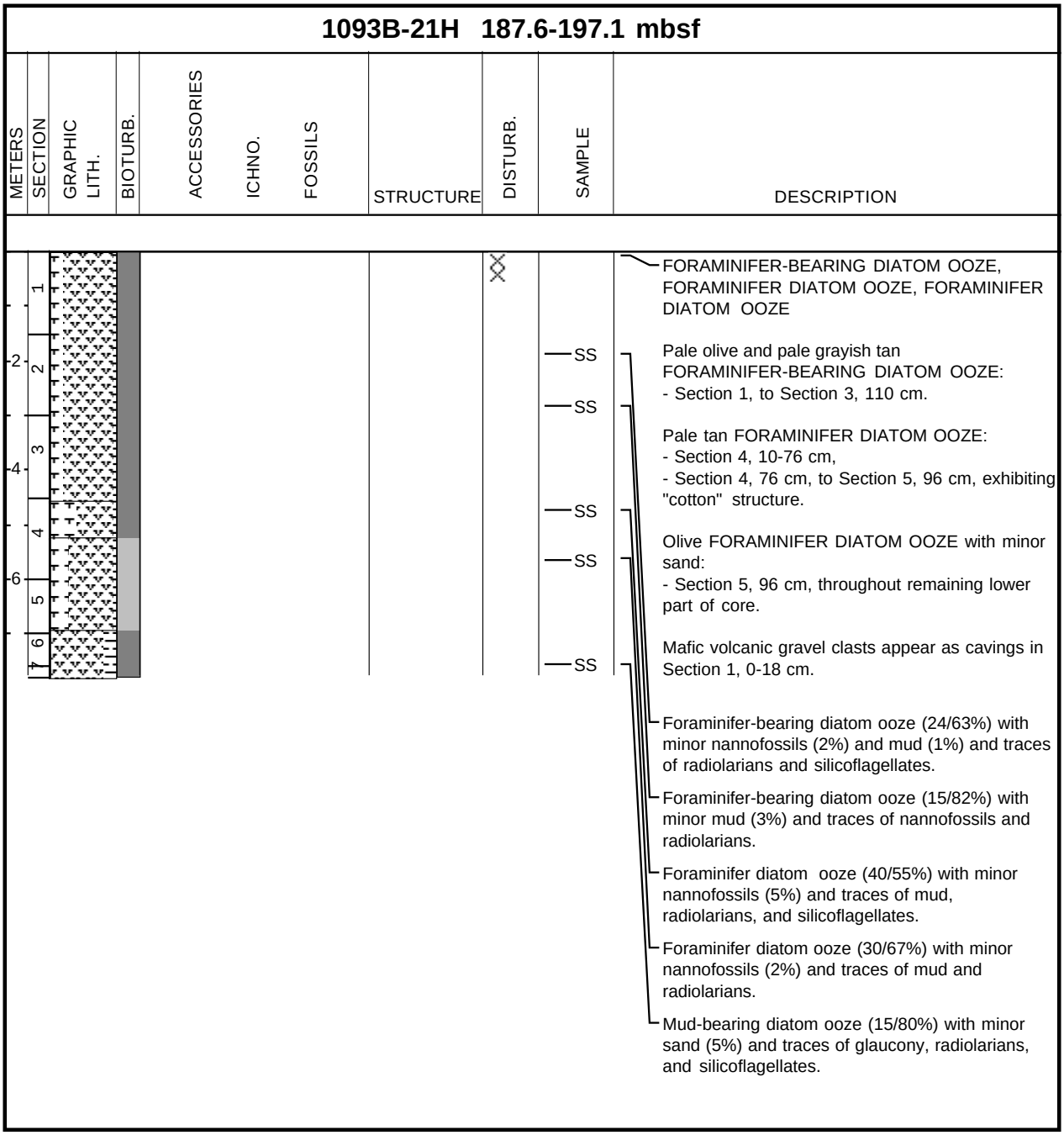

1093B-19H 168.6-178.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE, FORAMINIFER-BEARING DIATOM OOZE
- Tan olive DIATOM OOZE in Section 1, 0-42 cm, and Section 1, 72-108 cm.
- Tan FORAMINIFER-BEARING DIATOM OOZE in Section 1, 42-72 cm, and Section 1, 108 cm, to Section 3, 80 cm.
- Pale tan FORAMINIFER-BEARING DIATOM OOZE from Section 3, 80 cm, throughout remaining lower part of core, exhibiting color banding and "cotton" structure.
Section 1, 84 cm, subrounded mafic volcanic dropstone, 2 cm in diameter.
Diatom ooze (97%) with minor mud (3%) and traces of radiolarians.
Foraminifer-bearing diatom ooze (10/89%) with minor mud (1%) and traces of radiolarians and silicoflagellates.
Foraminifer-bearing diatom ooze (20/88%) with minor mud (2%) and traces of silicoflagellates.
Foraminifer-bearing diatom ooze (22/75%) with minor nannofossils (2%) and mud (1%).

Core Photo

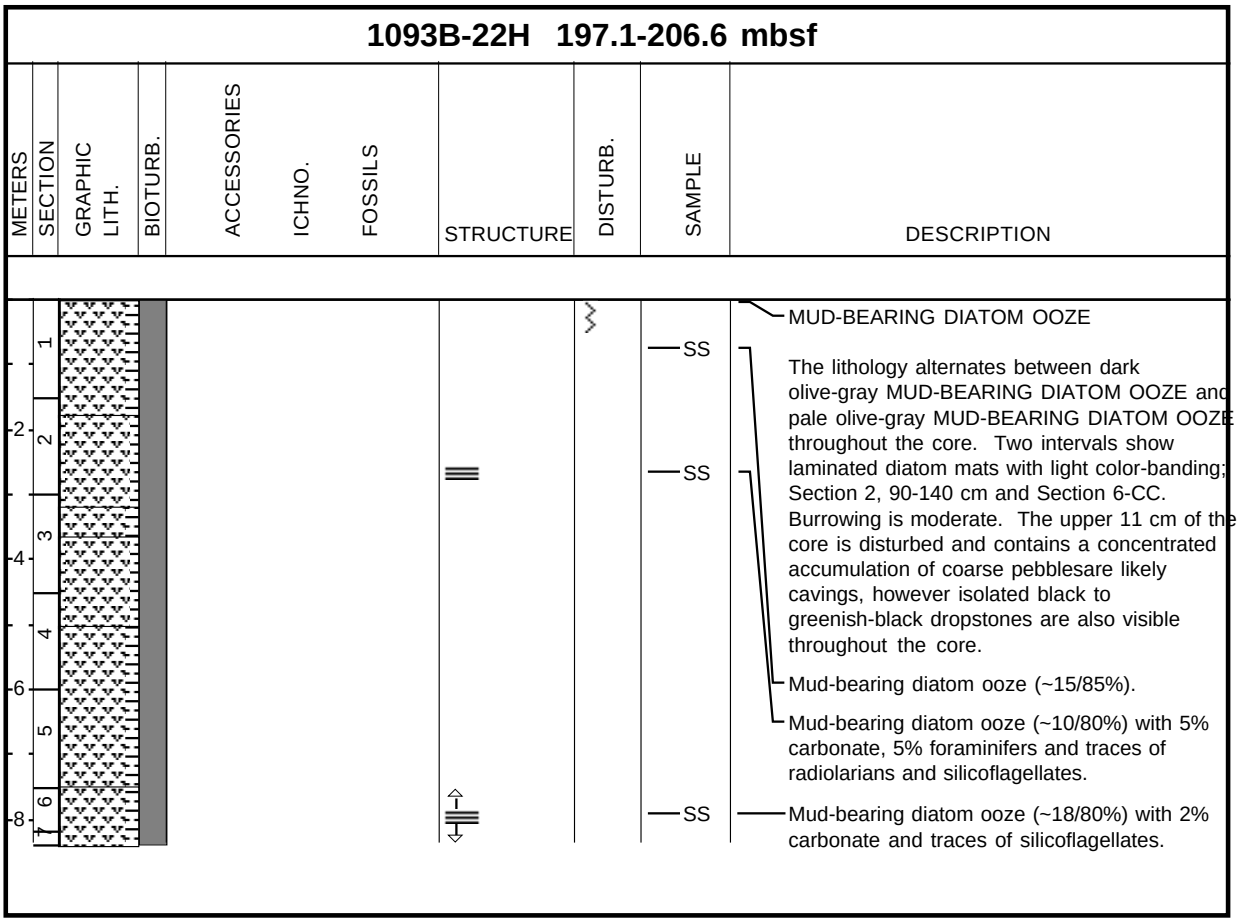

1093B-20H 178.1-187.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
SS
FORAMINIFER-BEARING DIATOM OOZE, MUD-BEARING DIATOM OOZE, DIATOM OOZE, FORAMINIFER- AND NANNOFOSSIL-BEARING DIATOM OOZE, and FORAMINIFER NANNOFOSSIL DIATOM OOZE
The upper three sections consist of dark-colored sediments; olive-gray FORAMINIFER-BEARING DIATOM OOZE, dark olive-gray MUD-BEARING DIATOM OOZE and olive gray DIATOM OOZE. In the lower portions of the core, there is a trend toward increasing abundances of both foraminifera and nannofossils. Pale orange-tan FORAMINIFER- AND NANNOFOSSIL-BEARING DIATOM OOZE in Sections 4 and 5 is underlain by pale gray FORAMINIFER NANNOFOSSIL DIATOM OOZE. Small dropstones are interspersed throughout the olive-gray and dark olive-gray layers. Moderate burrowing is visible throughout the length of the core. At Section 4, 112-114 cm, a mud clast occurs (~2 cm), the origin of which remains uncertain.
Foraminifer-bearing diatom ooze (~10/80%) with 5% mud, 5% carbonate and traces of radiolarians
Mud-bearing diatom ooze (~10/90%) with traces of radiolarians
Diatom ooze (~85%) with 9% mud, 5% carbonate, 1% radiolarians and traces of silicoflagellates
Foraminifer- and nannofossil-bearing diatom ooze (~10/15/70%) with 3% mud, 2% carbonate and traces of radiolarians and silicoflagellates
Foraminifer nannofossil diatom ooze (~25/35/38%) with 2% radiolarians and traces of silicoflagellates

Core Photo

1093B-21H 187.6-197.1 mbsf

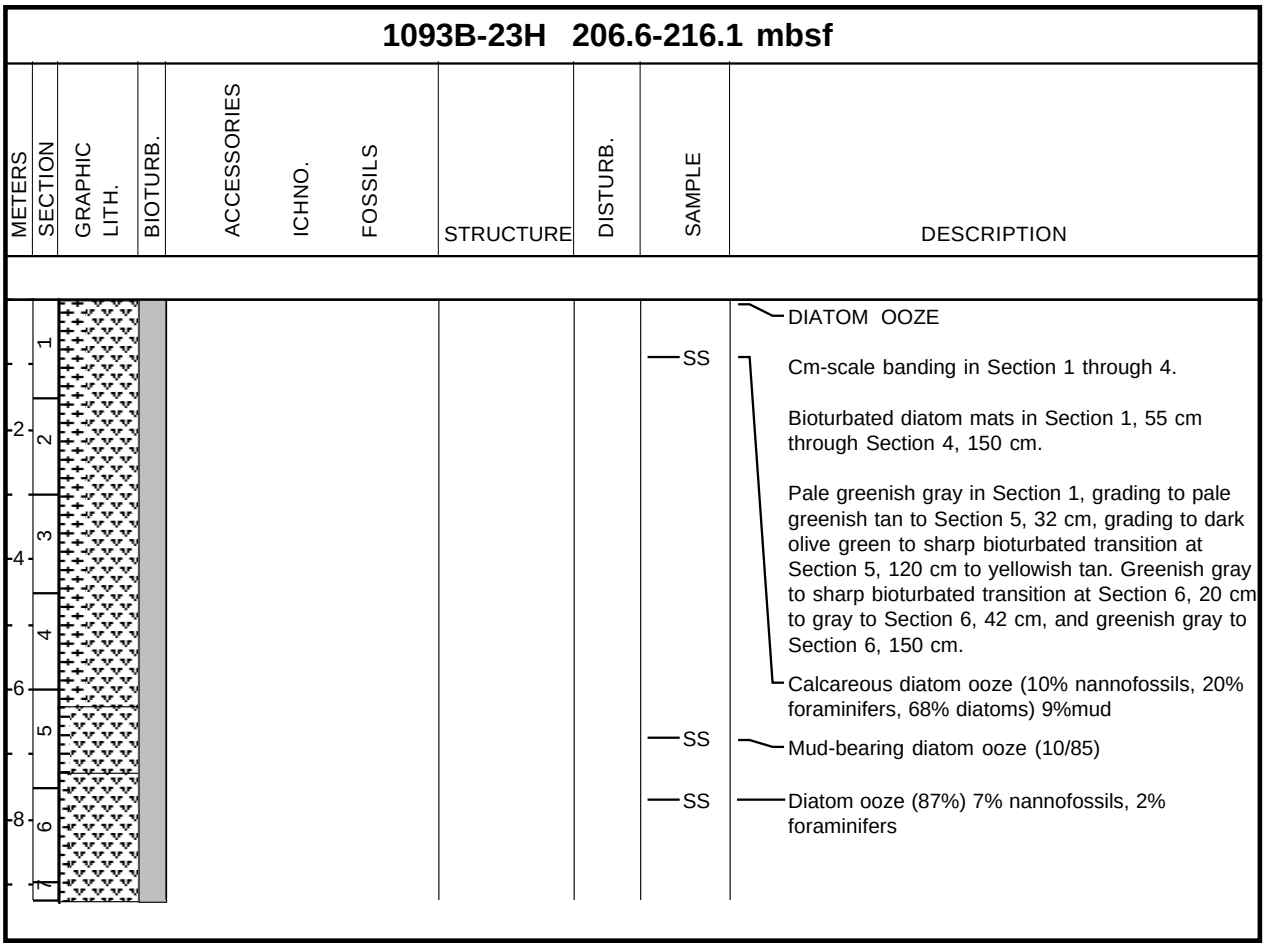


Core Photo

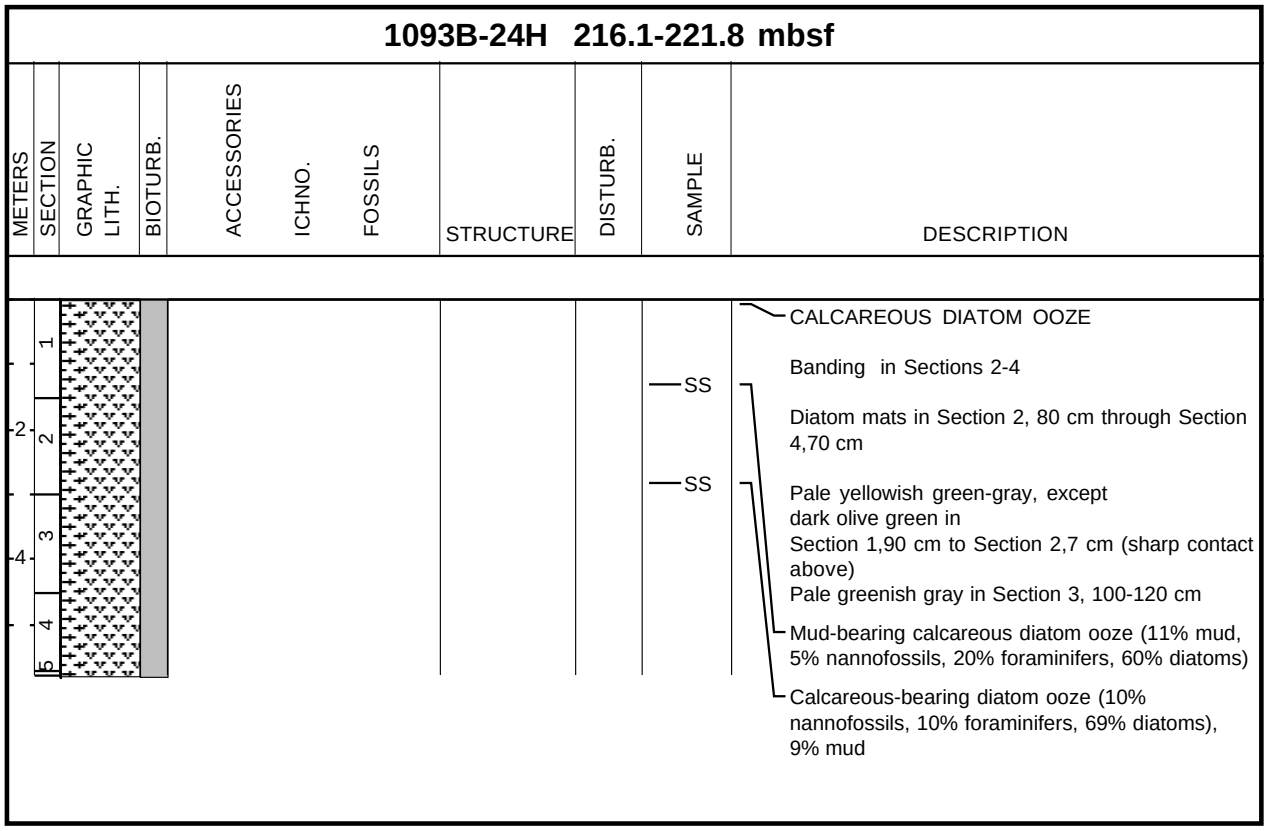

1093B-22H 197.1-206.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
MUD-BEARING DIATOM OOZE
The lithology alternates between dark olive-gray MUD-BEARING DIATOM OOZE and pale olive-gray MUD-BEARING DIATOM OOZE throughout the core. Two intervals show laminated diatom mats with light color-banding; Section 2, 90-140 cm and Section 6-CC. Burrowing is moderate. The upper 11 cm of the core is disturbed and contains a concentrated accumulation of coarse pebblesare likely cavings, however isolated black to greenish-black dropstones are also visible throughout the core.
Mud-bearing diatom ooze (~15/85%).
Mud-bearing diatom ooze (~10/80%) with 5% carbonate, 5% foraminifers and traces of radiolarians and silicoflagellates.
Mud-bearing diatom ooze (~18/80%) with 2% carbonate and traces of silicoflagellates.

Core Photo

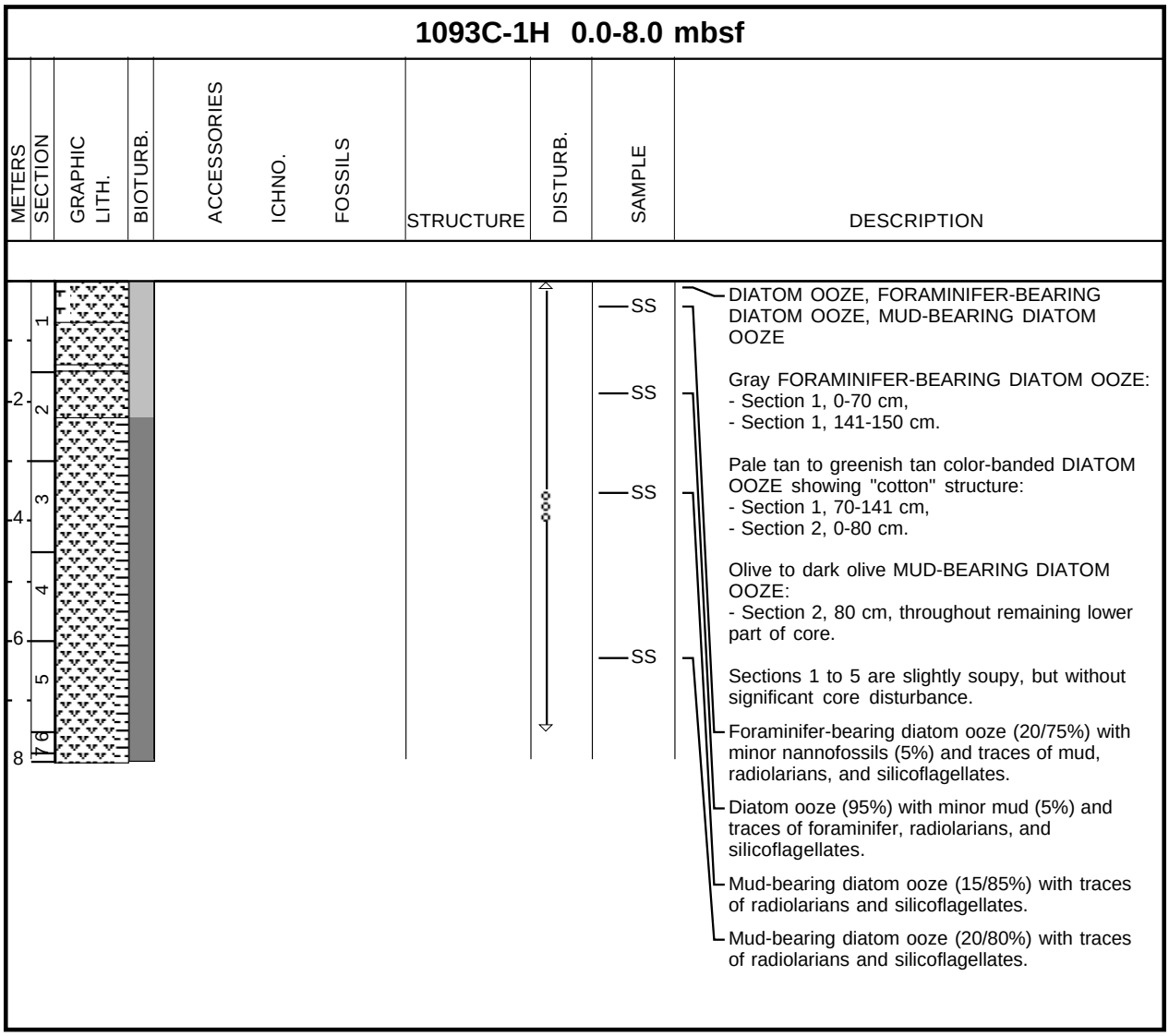
1093B-23H 206.6-216.1 mbsf



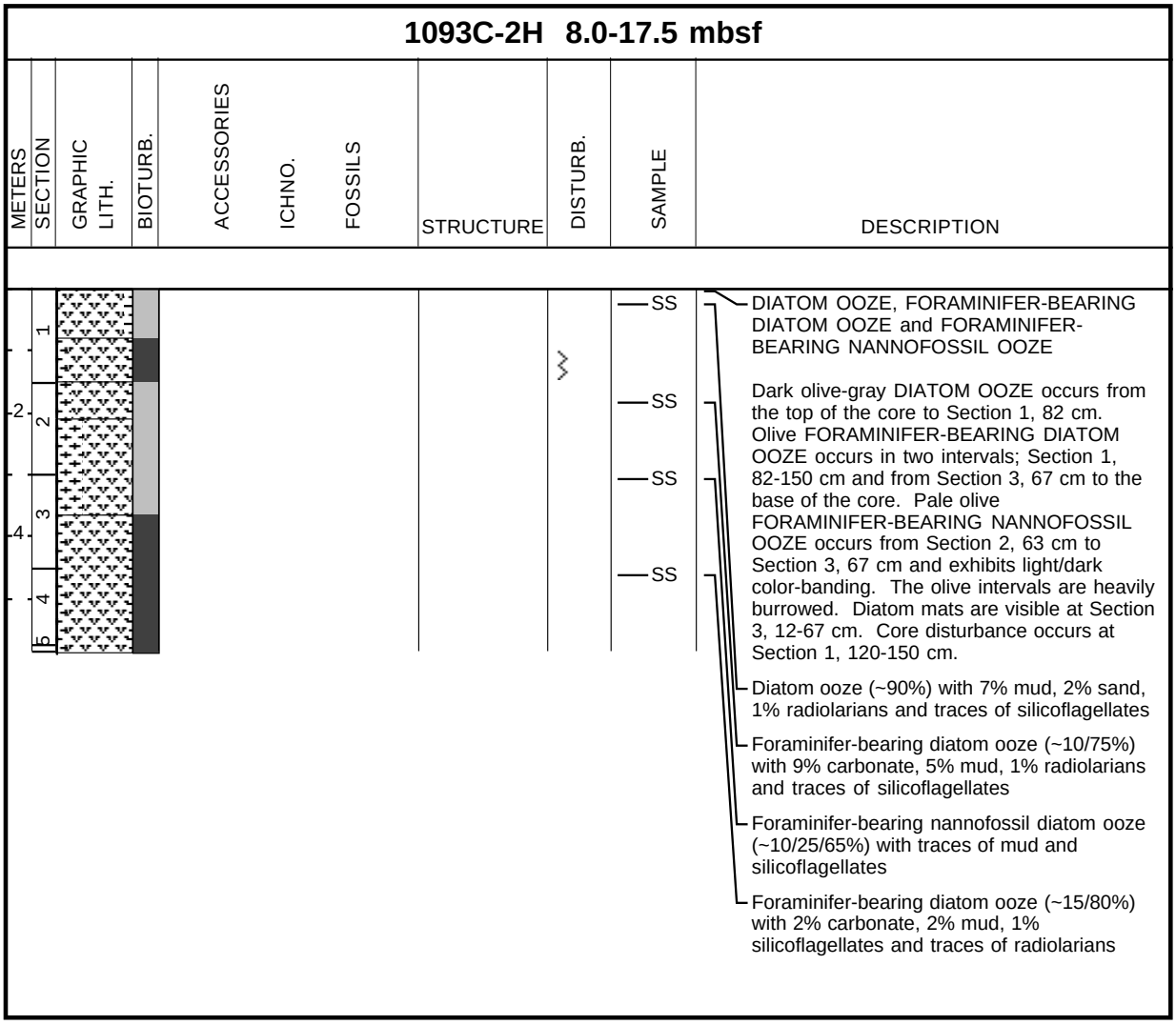
Core Photo


1093B-24H 216.1-221.8 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
-2
-4
1
2
3
4
5
SS
SS
CALCAREOUS DIATOM OOZE
Banding in Sections 2-4
Diatom mats in Section 2, 80 cm through Section 4,70 cm
Pale yellowish green-gray, except dark olive green in Section 1,90 cm to Section 2,7 cm (sharp contact above)
Pale greenish gray in Section 3, 100-120 cm
Mud-bearing calcareous diatom ooze (11% mud, 5% nannofossils, 20% foraminifers, 60% diatoms)
Calcareous-bearing diatom ooze (10% nannofossils, 10% foraminifers, 69% diatoms), 9% mud

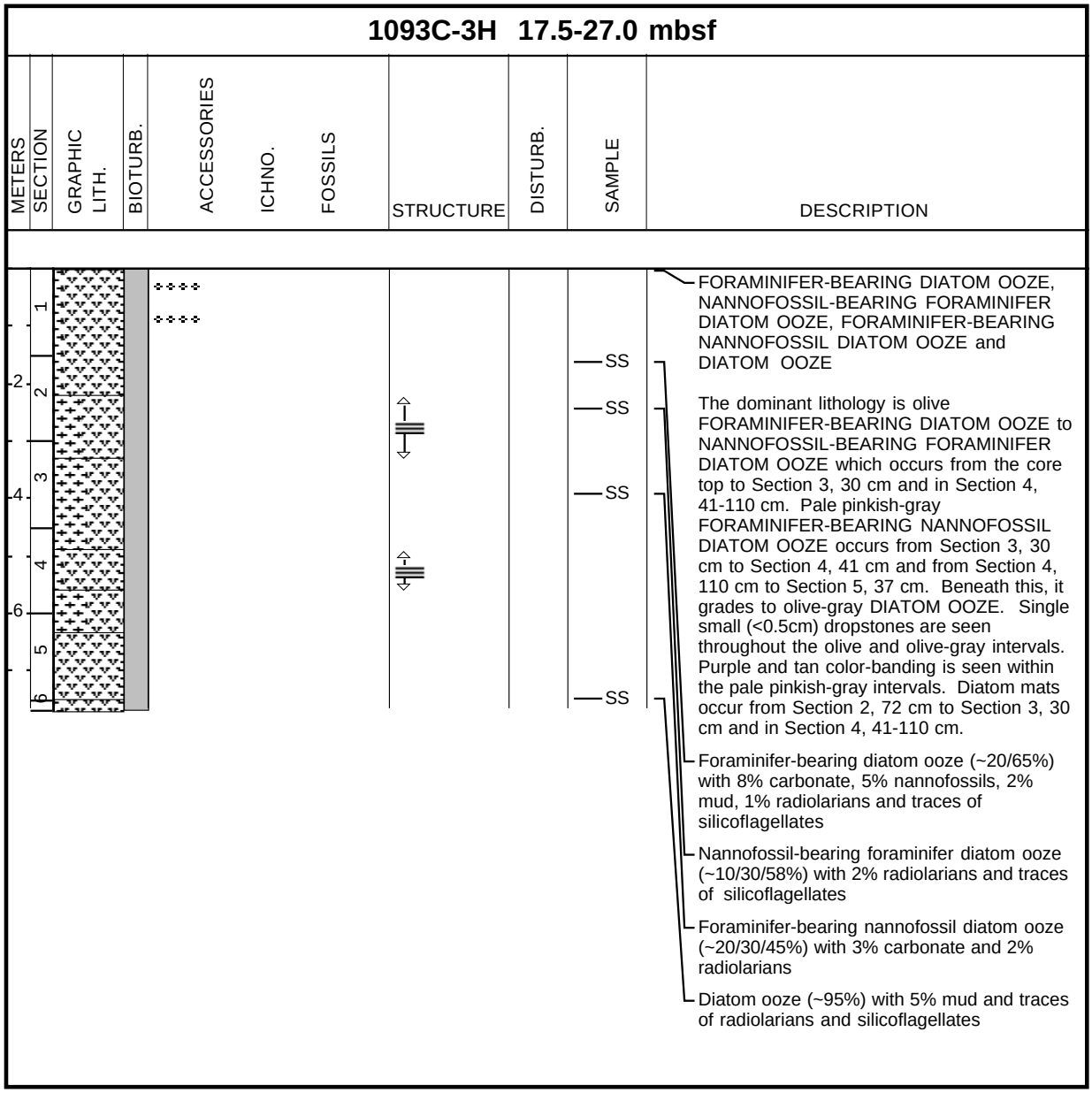
Core Photo


1093C-1H 0.0-8.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
2
4
6
8
1
2
3
4
5
6
7
SS
SS
SS
SS
DIATOM OOZE, FORAMINIFER-BEARING DIATOM OOZE, MUD-BEARING DIATOM OOZE
Gray FORAMINIFER-BEARING DIATOM OOZE:
- Section 1, 0-70 cm,
- Section 1, 141-150 cm.
Pale tan to greenish tan color-banded DIATOM OOZE showing "cotton" structure:
- Section 1, 70-141 cm,
- Section 2, 0-80 cm.
Olive to dark olive MUD-BEARING DIATOM OOZE:
- Section 2, 80 cm, throughout remaining lower part of core.
Sections 1 to 5 are slightly soupy, but without significant core disturbance.
Foraminifer-bearing diatom ooze (20/75%) with minor nannofossils (5%) and traces of mud, radiolarians, and silicoflagellates.
Diatom ooze (95%) with minor mud (5%) and traces of foraminifer, radiolarians, and silicoflagellates.
Mud-bearing diatom ooze (15/85%) with traces of radiolarians and silicoflagellates.
Mud-bearing diatom ooze (20/80%) with traces of radiolarians and silicoflagellates.

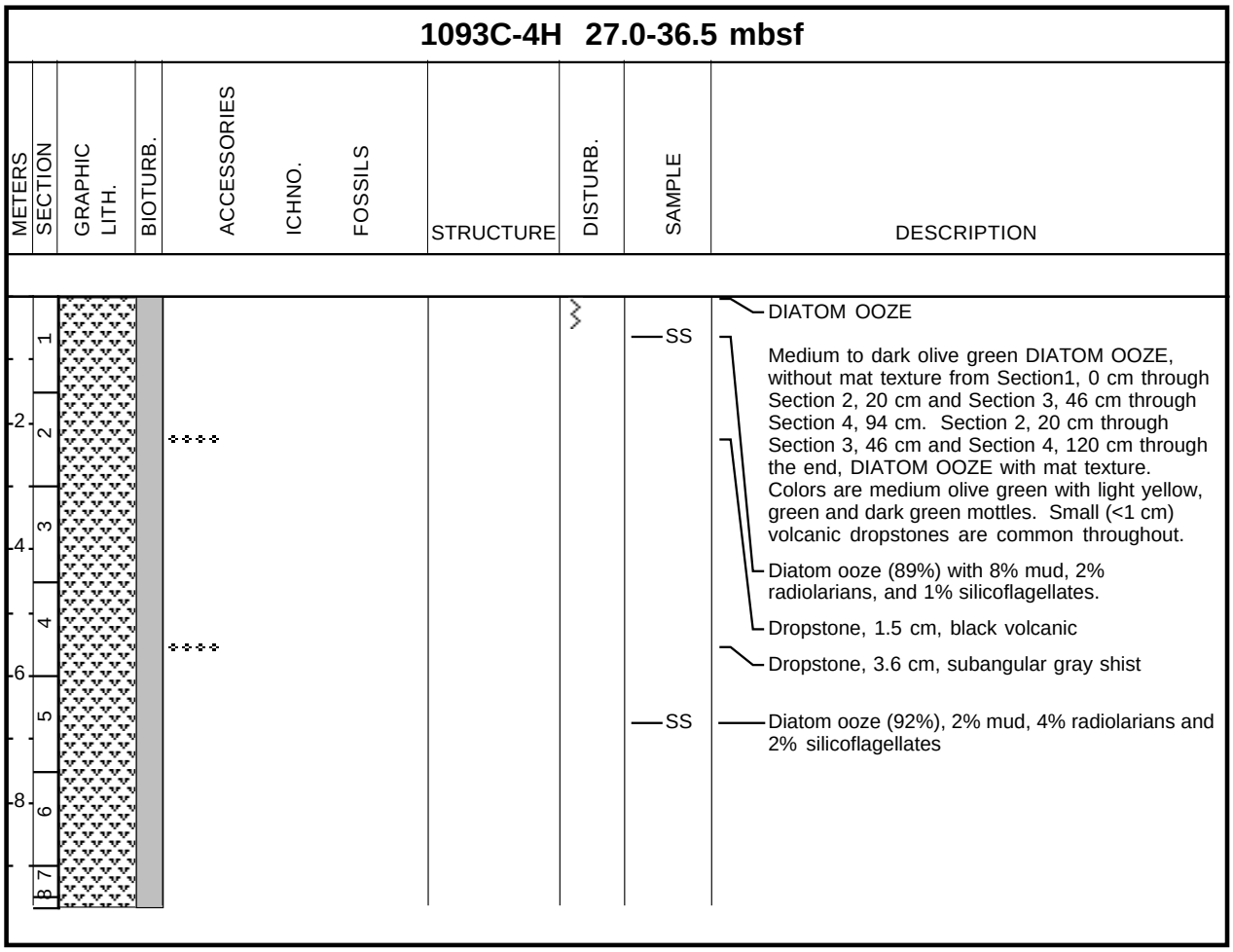
Core Photo


1093C-2H 8.0-17.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE, FORAMINIFER-BEARING DIATOM OOZE and FORAMINIFER-BEARING NANNOFOSSIL OOZE
Dark olive-gray DIATOM OOZE occurs from the top of the core to Section 1, 82 cm. Olive FORAMINIFER-BEARING DIATOM OOZE occurs in two intervals; Section 1, 82-150 cm and from Section 3, 67 cm to the base of the core. Pale olive FORAMINIFER-BEARING NANNOFOSSIL OOZE occurs from Section 2, 63 cm to Section 3, 67 cm and exhibits light/dark color-banding. The olive intervals are heavily burrowed. Diatom mats are visible at Section 3, 12-67 cm. Core disturbance occurs at Section 1, 120-150 cm.
Diatom ooze (~90%) with 7% mud, 2% sand, 1% radiolarians and traces of silicoflagellates
Foraminifer-bearing diatom ooze (~10/75%) with 9% carbonate, 5% mud, 1% radiolarians and traces of silicoflagellates
Foraminifer-bearing nannofossil diatom ooze (~10/25/65%) with traces of mud and silicoflagellates
Foraminifer-bearing diatom ooze (~15/80%) with 2% carbonate, 2% mud, 1% silicoflagellates and traces of radiolarians

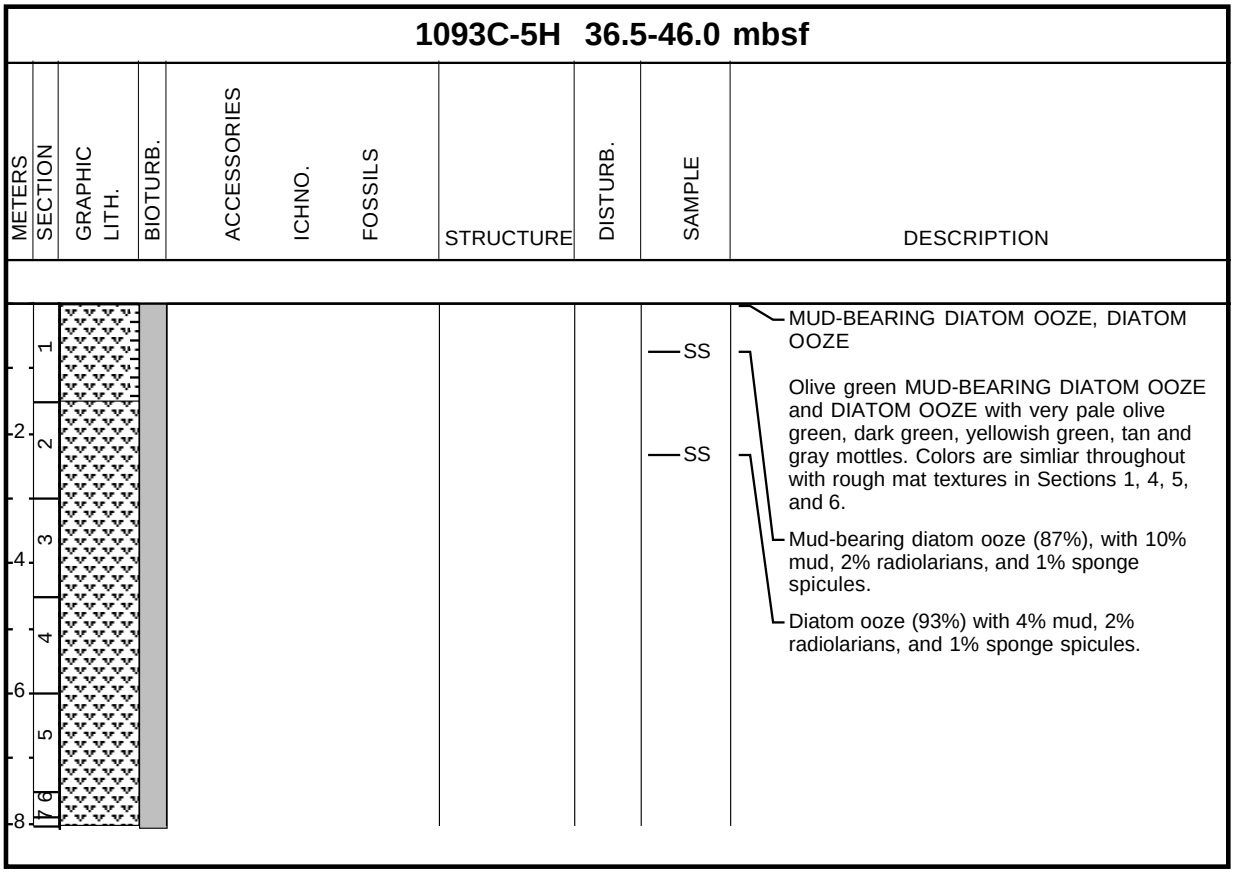
Core Photo


1093C-3H 17.5-27.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
FORAMINIFER-BEARING DIATOM OOZE, NANNOFOSSIL-BEARING FORAMINIFER DIATOM OOZE, FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE and DIATOM OOZE
The dominant lithology is olive FORAMINIFER-BEARING DIATOM OOZE to NANNOFOSSIL-BEARING FORAMINIFER DIATOM OOZE which occurs from the core top to Section 3, 30 cm and in Section 4, 41-110 cm. Pale pinkish-gray FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE occurs from Section 3, 30 cm to Section 4, 41 cm and from Section 4, 110 cm to Section 5, 37 cm. Beneath this, it grades to olive-gray DIATOM OOZE. Single small (<0.5cm) dropstones are seen throughout the olive and olive-gray intervals. Purple and tan color-banding is seen within the pale pinkish-gray intervals. Diatom mats occur from Section 2, 72 cm to Section 3, 30 cm and in Section 4, 41-110 cm.
Foraminifer-bearing diatom ooze (~20/65%) with 8% carbonate, 5% nannofossils, 2% mud, 1% radiolarians and traces of silicoflagellates
Nannofossil-bearing foraminifer diatom ooze (~10/30/58%) with 2% radiolarians and traces of silicoflagellates
Foraminifer-bearing nannofossil diatom ooze (~20/30/45%) with 3% carbonate and 2% radiolarians
Diatom ooze (~95%) with 5% mud and traces of radiolarians and silicoflagellates

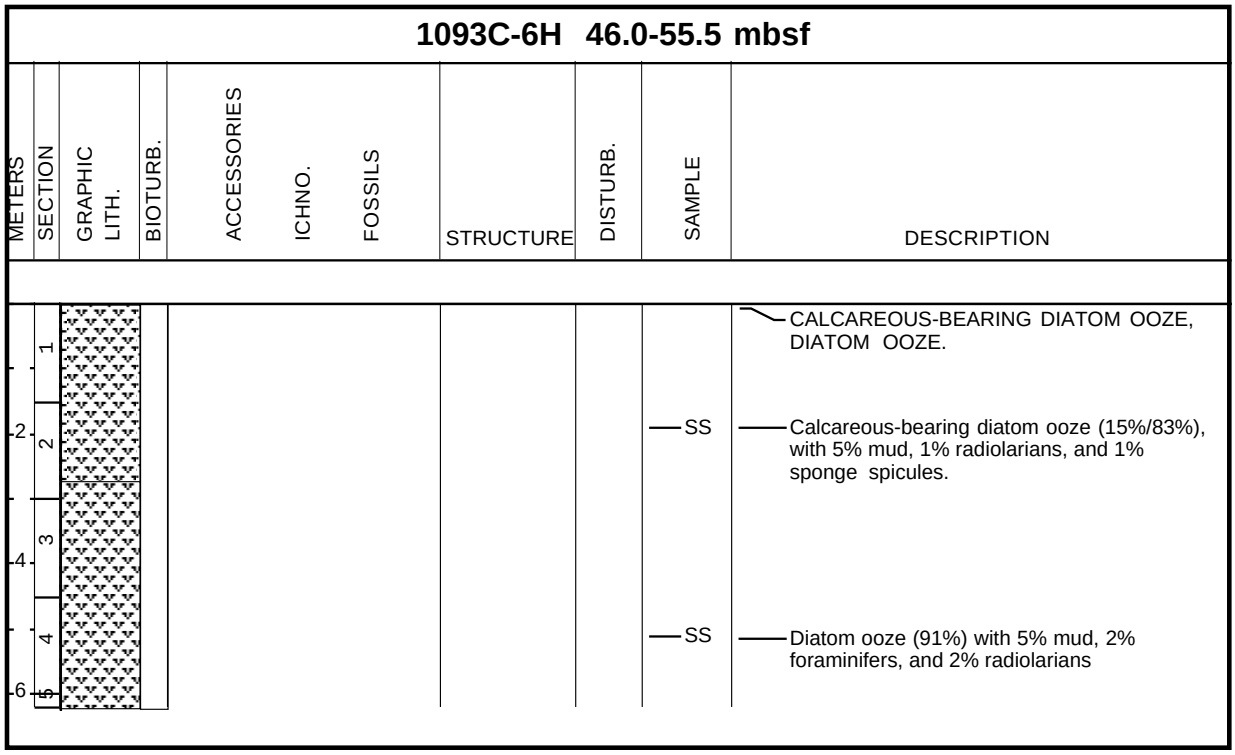
Core Photo


1093C-4H 27.0-36.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM OOZE
Medium to dark olive green DIATOM OOZE, without mat texture from Section1, 0 cm through Section 2, 20 cm and Section 3, 46 cm through Section 4, 94 cm. Section 2, 20 cm through Section 3, 46 cm and Section 4, 120 cm through the end, DIATOM OOZE with mat texture. Colors are medium olive green with light yellow, green and dark green mottles. Small (<1 cm) volcanic dropstones are common throughout.
Diatom ooze (89%) with 8% mud, 2% radiolarians, and 1% silicoflagellates.
Dropstone, 1.5 cm, black volcanic
Dropstone, 3.6 cm, subangular gray shist
Diatom ooze (92%), 2% mud, 4% radiolarians and 2% silicoflagellates

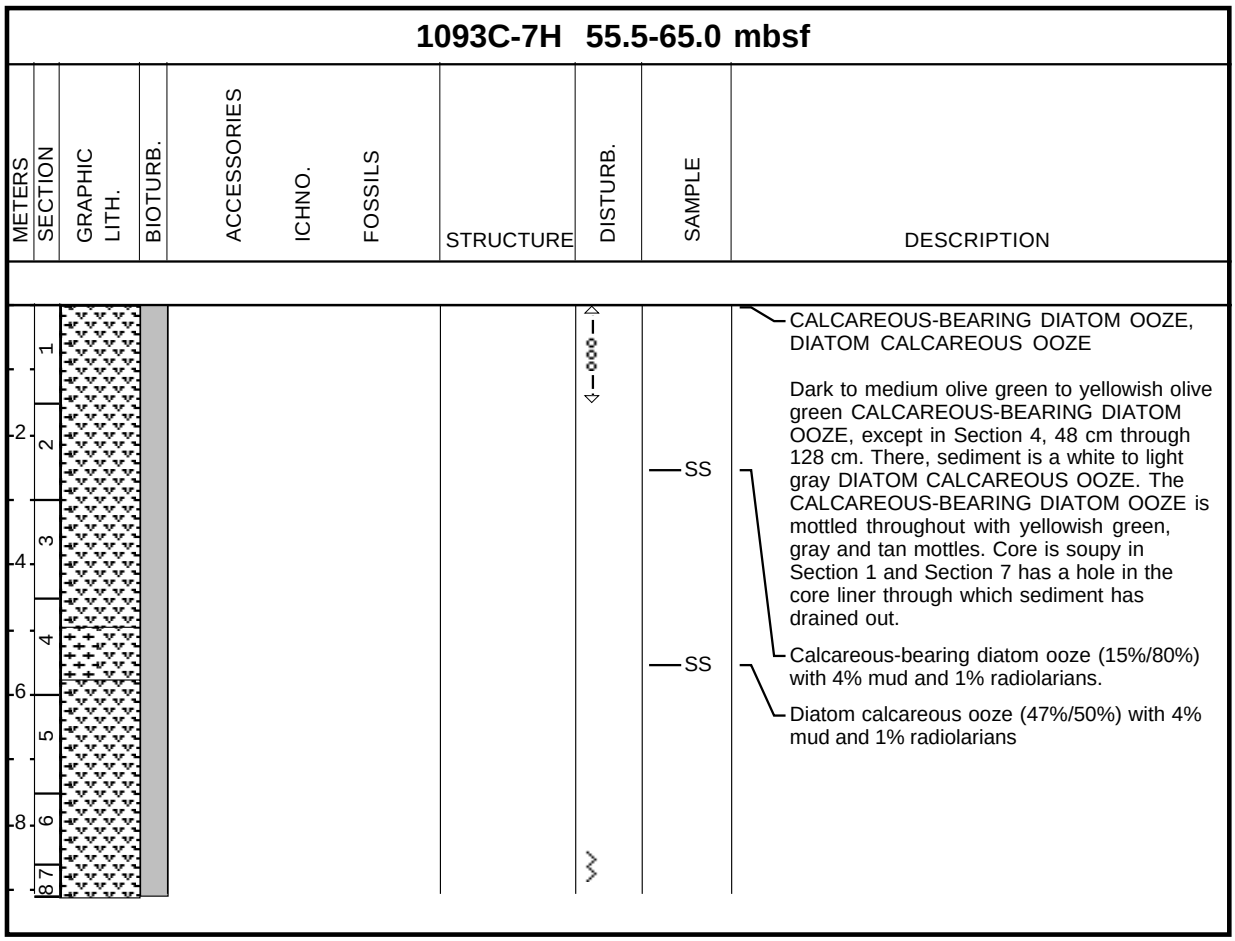
Core Photo


1093C-5H 36.5-46.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
MUD-BEARING DIATOM OOZE, DIATOM OOZE
Olive green MUD-BEARING DIATOM OOZE and DIATOM OOZE with very pale olive green, dark green, yellowish green, tan and gray mottles. Colors are simliar throughout with rough mat textures in Sections 1, 4, 5, and 6.
Mud-bearing diatom ooze (87%), with 10% mud, 2% radiolarians, and 1% sponge spicules.
Diatom ooze (93%) with 4% mud, 2% radiolarians, and 1% sponge spicules.

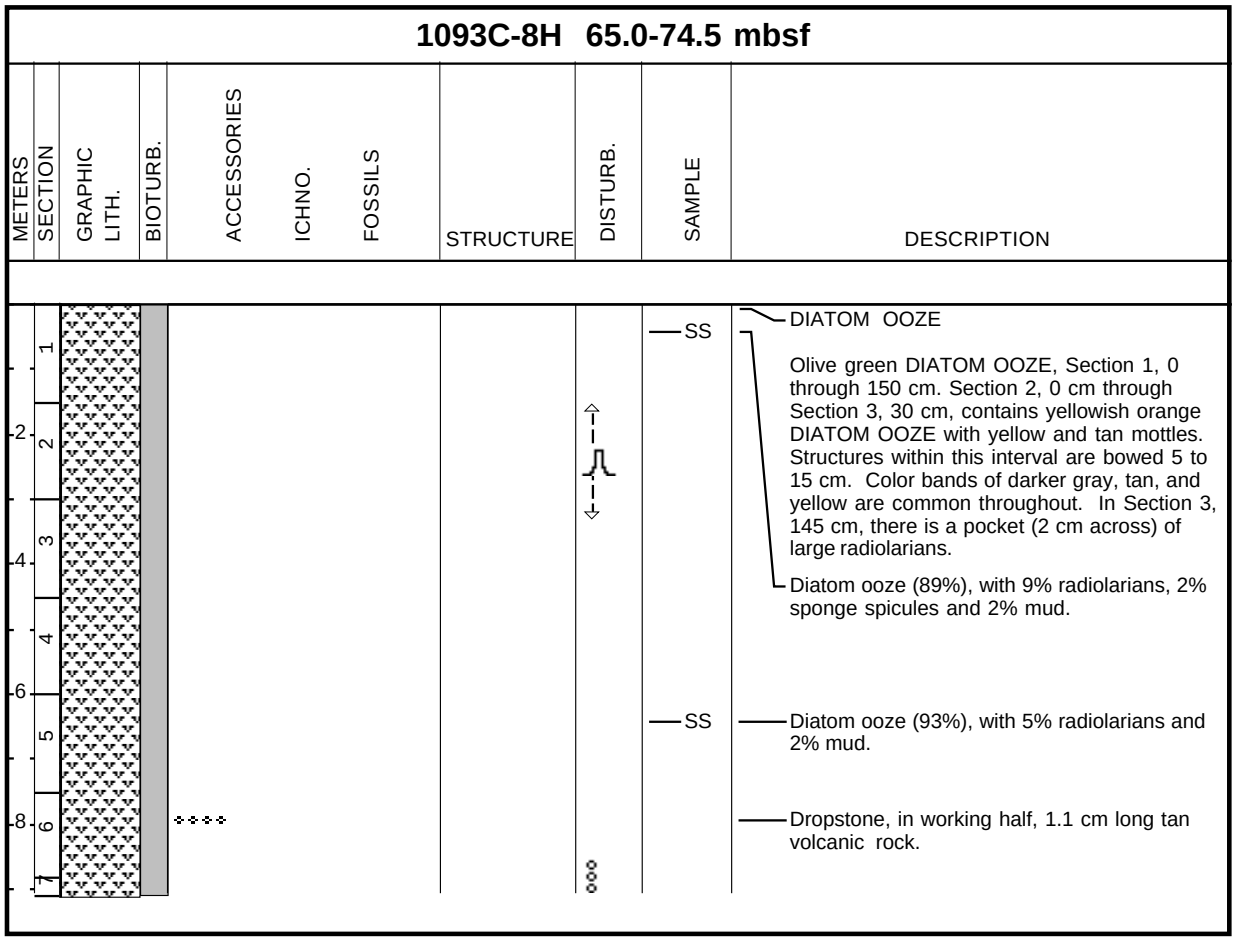
Core Photo


1093C-6H 46.0-55.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
CALCAREOUS-BEARING DIATOM OOZE, DIATOM OOZE.
SS
Calcareous-bearing diatom ooze (15%/83%), with 5% mud, 1% radiolarians, and 1% sponge spicules.
SS
Diatom ooze (91%) with 5% mud, 2% foraminifers, and 2% radiolarians

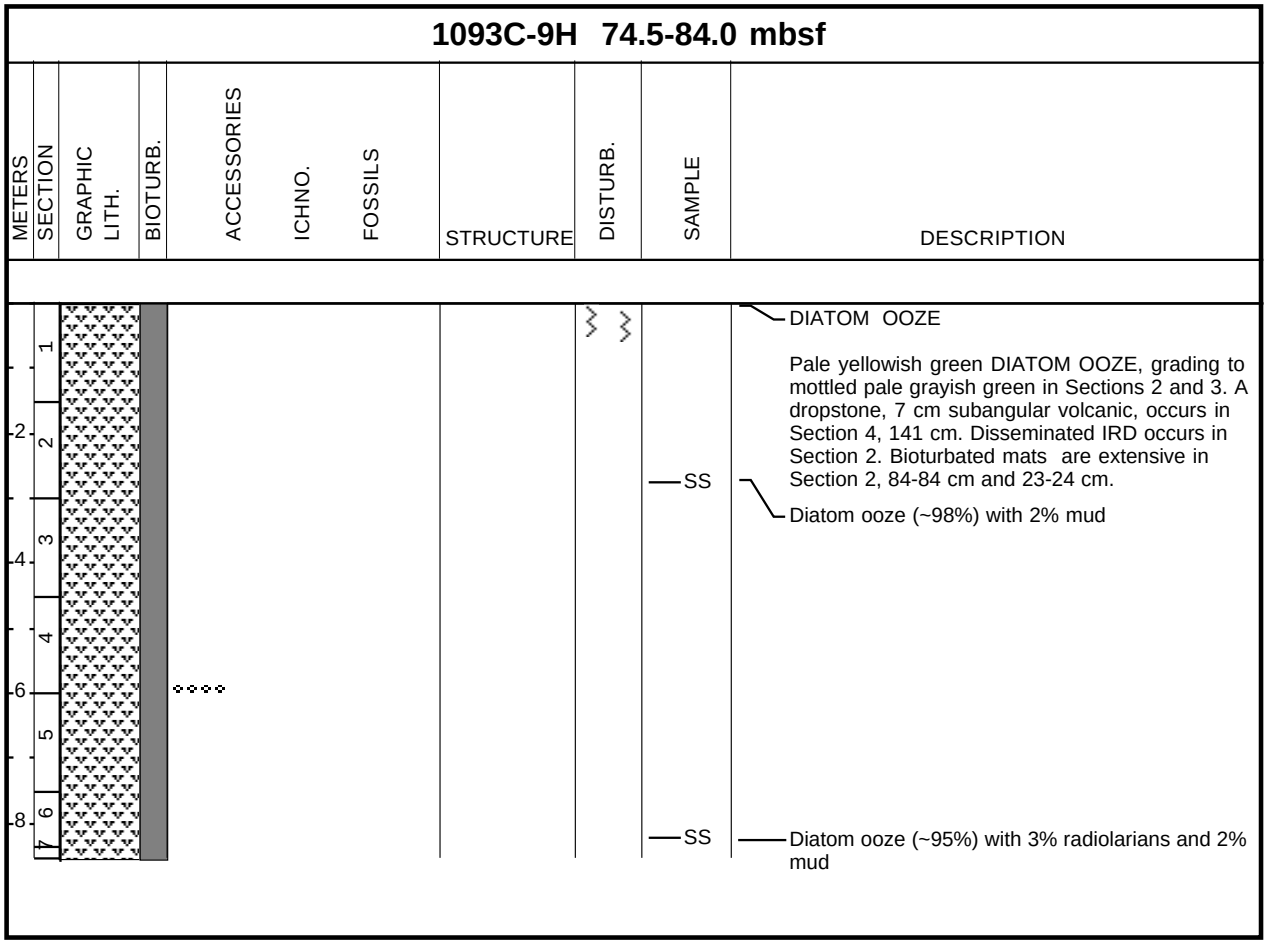
Core Photo


1093C-7H 55.5-65.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
CALCAREOUS-BEARING DIATOM OOZE, DIATOM CALCAREOUS OOZE
Dark to medium olive green to yellowish olive green CALCAREOUS-BEARING DIATOM OOZE, except in Section 4, 48 cm through 128 cm. There, sediment is a white to light gray DIATOM CALCAREOUS OOZE. The CALCAREOUS-BEARING DIATOM OOZE is mottled throughout with yellowish green, gray and tan mottles. Core is soupy in Section 1 and Section 7 has a hole in the core liner through which sediment has drained out.
Calcareous-bearing diatom ooze (15%/80%) with 4% mud and 1% radiolarians.
Diatom calcareous ooze (47%/50%) with 4% mud and 1% radiolarians

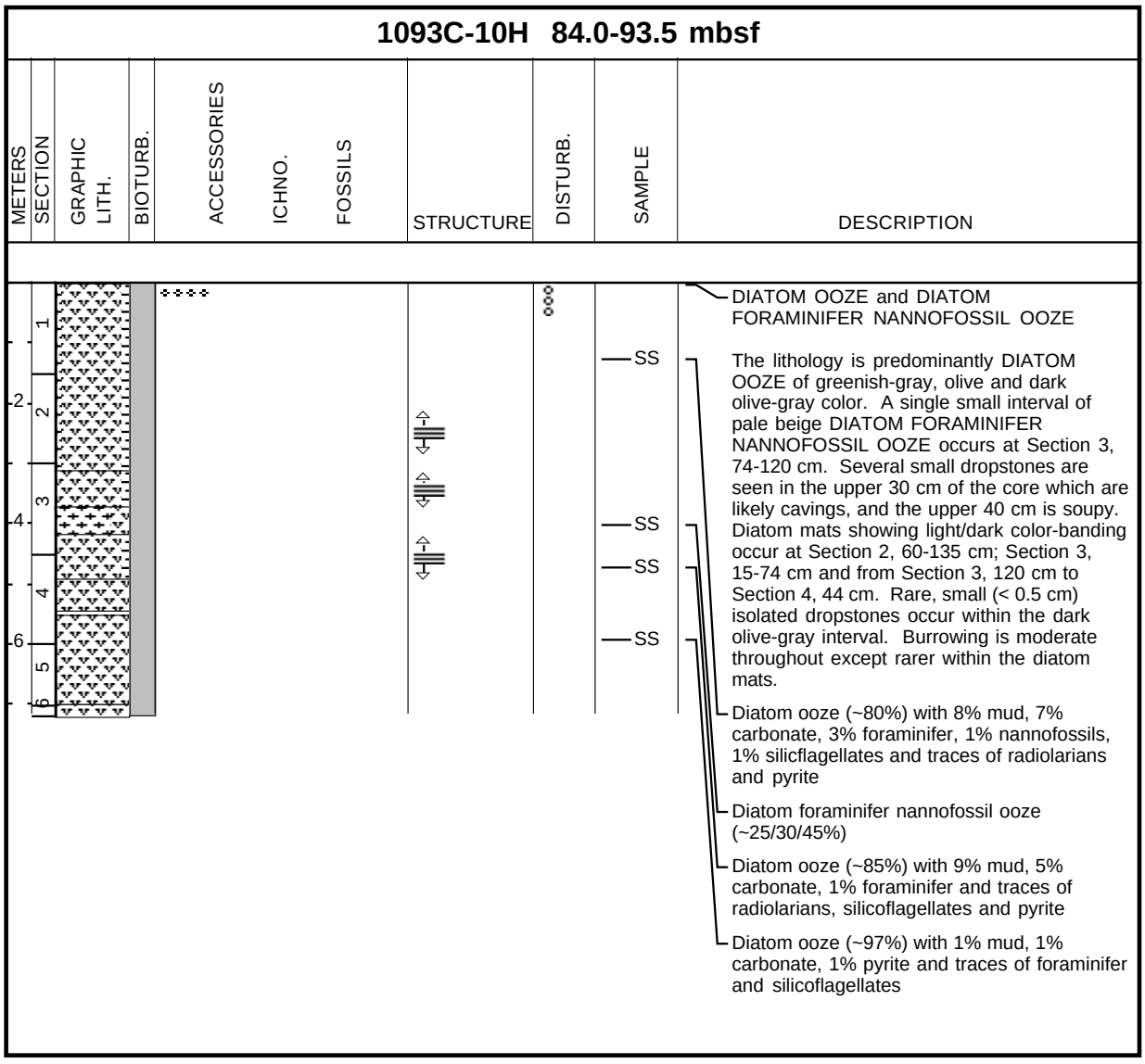
Core Photo


1093C-8H 65.0-74.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM OOZE
Olive green DIATOM OOZE, Section 1, 0 through 150 cm. Section 2, 0 cm through Section 3, 30 cm, contains yellowish orange DIATOM OOZE with yellow and tan mottles. Structures within this interval are bowed 5 to 15 cm. Color bands of darker gray, tan, and yellow are common throughout. In Section 3, 145 cm, there is a pocket (2 cm across) of large radiolarians.
Diatom ooze (89%), with 9% radiolarians, 2% sponge spicules and 2% mud.
Diatom ooze (93%), with 5% radiolarians and 2% mud.
Dropstone, in working half, 1.1 cm long tan volcanic rock.

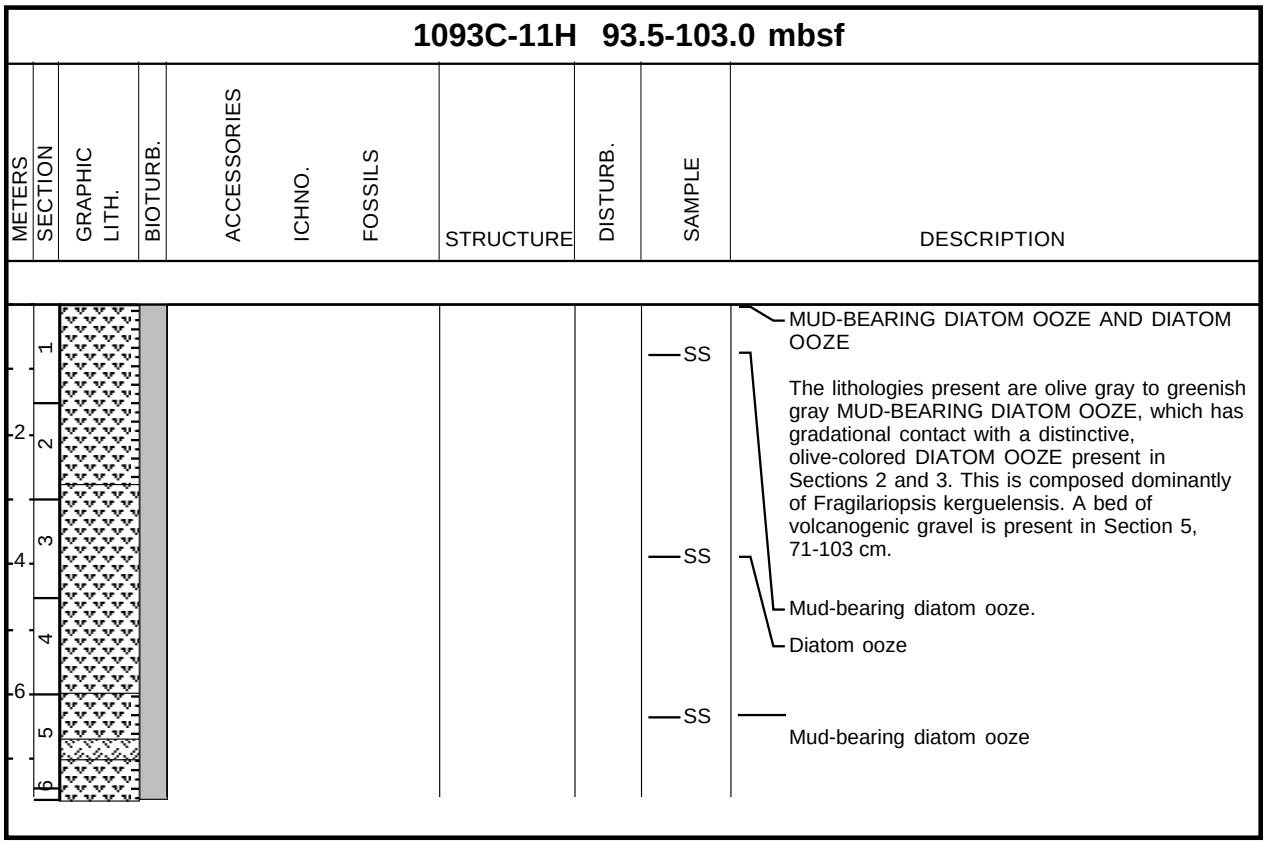
Core Photo


1093C-9H 74.5-84.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Pale yellowish green DIATOM OOZE, grading to mottled pale grayish green in Sections 2 and 3. A dropstone, 7 cm subangular volcanic, occurs in Section 4, 141 cm. Disseminated IRD occurs in Section 2. Bioturbated mats are extensive in Section 2, 84-84 cm and 23-24 cm.
SS
Diatom ooze (~98%) with 2% mud
SS
Diatom ooze (~95%) with 3% radiolarians and 2% mud

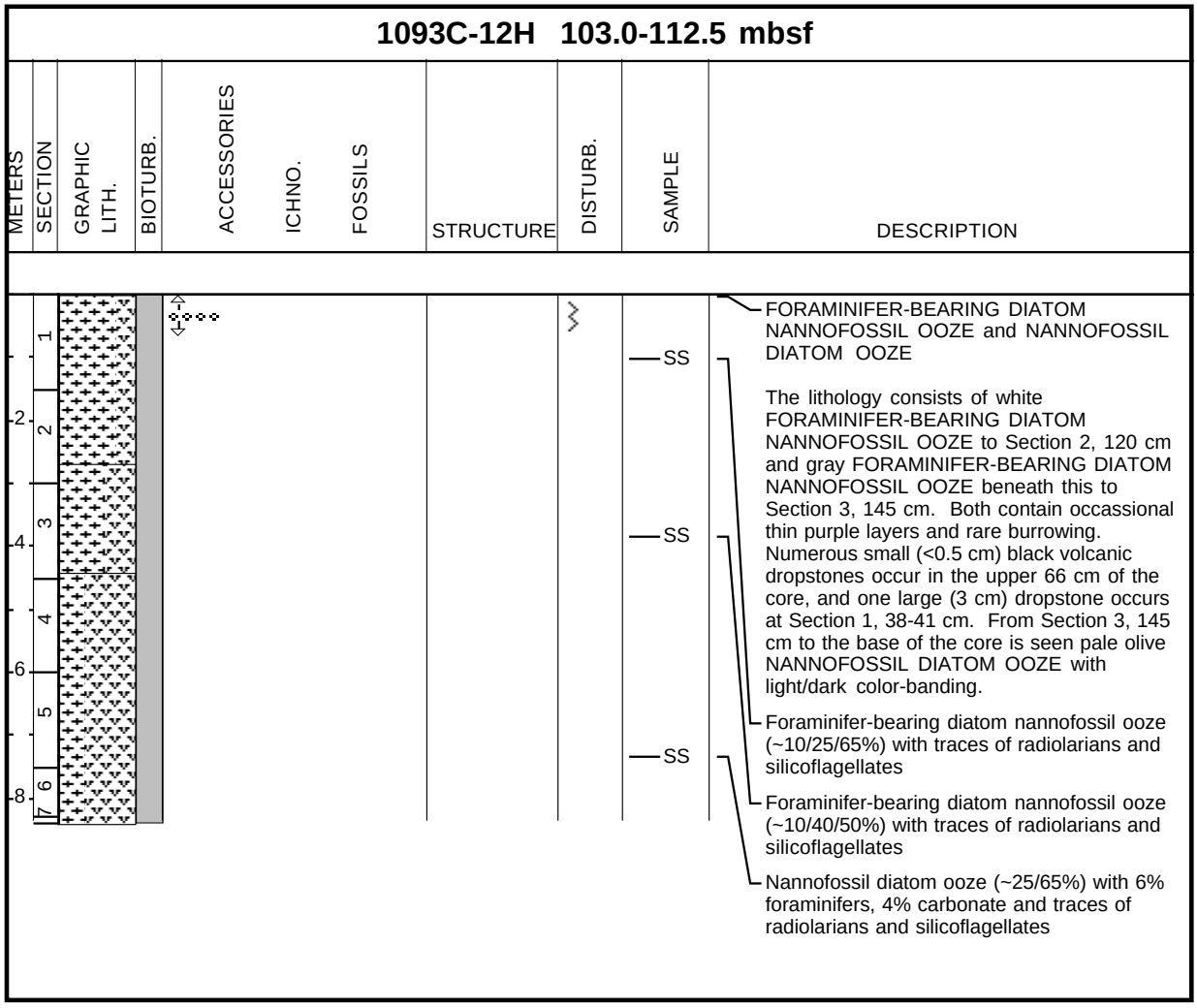
Core Photo


1093C-10H 84.0-93.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE and DIATOM FORAMINIFER NANNOFOSSIL OOZE
The lithology is predominantly DIATOM OOZE of greenish-gray, olive and dark olive-gray color. A single small interval of pale beige DIATOM FORAMINIFER NANNOFOSSIL OOZE occurs at Section 3, 74-120 cm. Several small dropstones are seen in the upper 30 cm of the core which are likely cavings, and the upper 40 cm is soupy. Diatom mats showing light/dark color-banding occur at Section 2, 60-135 cm; Section 3, 15-74 cm and from Section 3, 120 cm to Section 4, 44 cm. Rare, small (< 0.5 cm) isolated dropstones occur within the dark olive-gray interval. Burrowing is moderate throughout except rarer within the diatom mats.
Diatom ooze (~80%) with 8% mud, 7% carbonate, 3% foraminifer, 1% nannofossils, 1% silicflagellates and traces of radiolarians and pyrite
Diatom foraminifer nannofossil ooze (~25/30/45%)
Diatom ooze (~85%) with 9% mud, 5% carbonate, 1% foraminifer and traces of radiolarians, silicoflagellates and pyrite
Diatom ooze (~97%) with 1% mud, 1% carbonate, 1% pyrite and traces of foraminifer and silicoflagellates

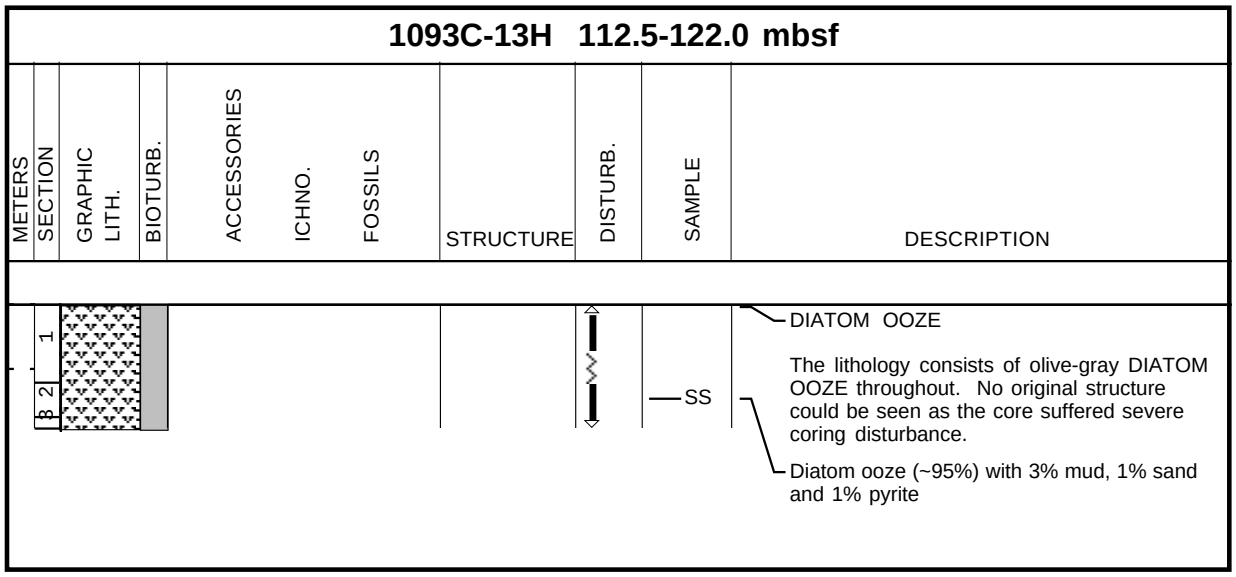
Core Photo


1093C-11H 93.5-103.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
MUD-BEARING DIATOM OOZE AND DIATOM OOZE
The lithologies present are olive gray to greenish gray MUD-BEARING DIATOM OOZE, which has gradational contact with a distinctive, olive-colored DIATOM OOZE present in Sections 2 and 3. This is composed dominantly of Fragilariopsis kerguelensis. A bed of volcanogenic gravel is present in Section 5, 71-103 cm.
Mud-bearing diatom ooze.
Diatom ooze
Mud-bearing diatom ooze

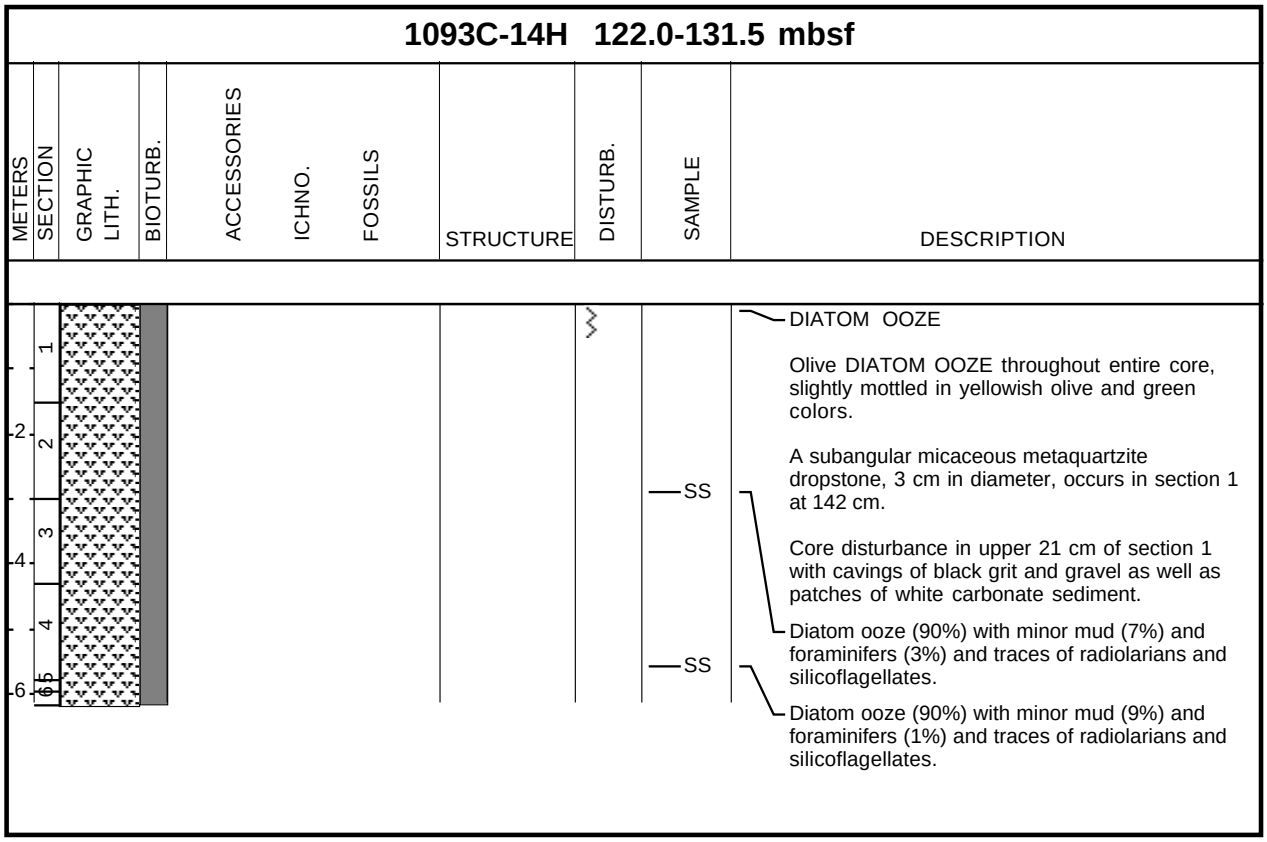
Core Photo


1093C-12H 103.0-112.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE and NANNOFOSSIL DIATOM OOZE
The lithology consists of white FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE to Section 2, 120 cm and gray FORAMINIFER-BEARING DIATOM NANNOFOSSIL OOZE beneath this to Section 3, 145 cm. Both contain occassional thin purple layers and rare burrowing. Numerous small (<0.5 cm) black volcanic dropstones occur in the upper 66 cm of the core, and one large (3 cm) dropstone occurs at Section 1, 38-41 cm. From Section 3, 145 cm to the base of the core is seen pale olive NANNOFOSSIL DIATOM OOZE with light/dark color-banding.
Foraminifer-bearing diatom nannofossil ooze (~10/25/65%) with traces of radiolarians and silicoflagellates
Foraminifer-bearing diatom nannofossil ooze (~10/40/50%) with traces of radiolarians and silicoflagellates
Nannofossil diatom ooze (~25/65%) with 6% foraminifers, 4% carbonate and traces of radiolarians and silicoflagellates

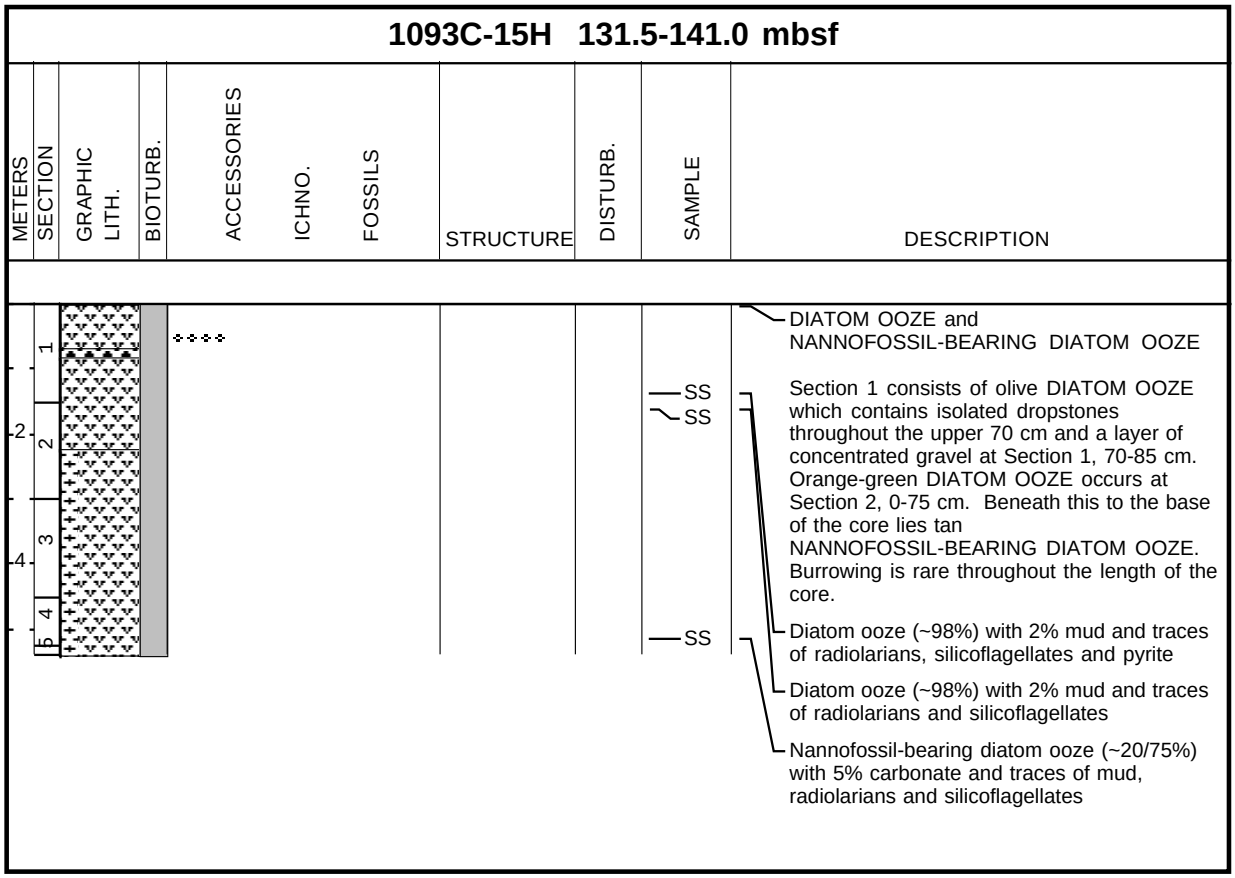
Core Photo


1093C-13H 112.5-122.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
CC
SS
DIATOM OOZE
The lithology consists of olive-gray DIATOM OOZE throughout. No original structure could be seen as the core suffered severe coring disturbance.
Diatom ooze (~95%) with 3% mud, 1% sand and 1% pyrite

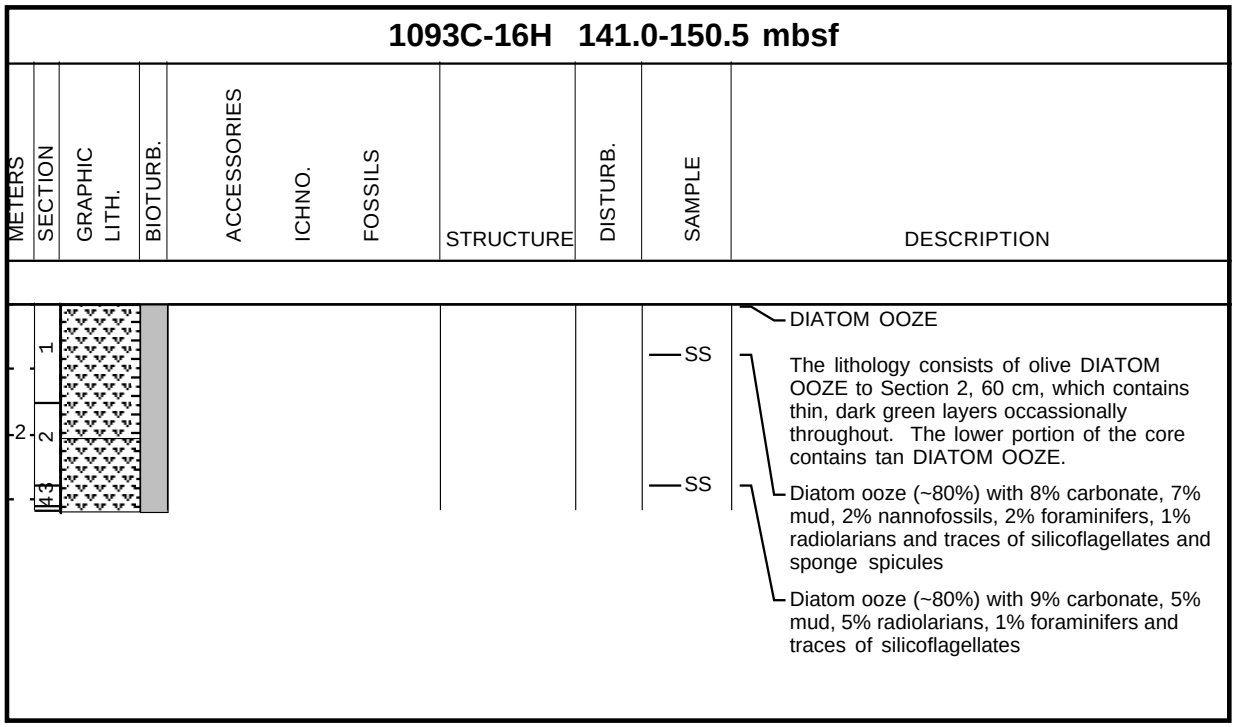
Core Photo


1093C-14H 122.0-131.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Olive DIATOM OOZE throughout entire core, slightly mottled in yellowish olive and green colors.
A subangular micaceous metaquartzite dropstone, 3 cm in diameter, occurs in section 1 at 142 cm.
Core disturbance in upper 21 cm of section 1 with cavings of black grit and gravel as well as patches of white carbonate sediment.
SS
Diatom ooze (90%) with minor mud (7%) and foraminifers (3%) and traces of radiolarians and silicoflagellates.
SS
Diatom ooze (90%) with minor mud (9%) and foraminifers (1%) and traces of radiolarians and silicoflagellates.

Core Photo


1093C-15H 131.5-141.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
5
SS
SS
SS
DIATOM OOZE and NANNOFOSSIL-BEARING DIATOM OOZE
Section 1 consists of olive DIATOM OOZE which contains isolated dropstones throughout the upper 70 cm and a layer of concentrated gravel at Section 1, 70-85 cm. Orange-green DIATOM OOZE occurs at Section 2, 0-75 cm. Beneath this to the base of the core lies tan NANNOFOSSIL-BEARING DIATOM OOZE. Burrowing is rare throughout the length of the core.
Diatom ooze (~98%) with 2% mud and traces of radiolarians, silicoflagellates and pyrite
Diatom ooze (~98%) with 2% mud and traces of radiolarians and silicoflagellates
Nannofossil-bearing diatom ooze (~20/75%) with 5% carbonate and traces of mud, radiolarians and silicoflagellates

Core Photo

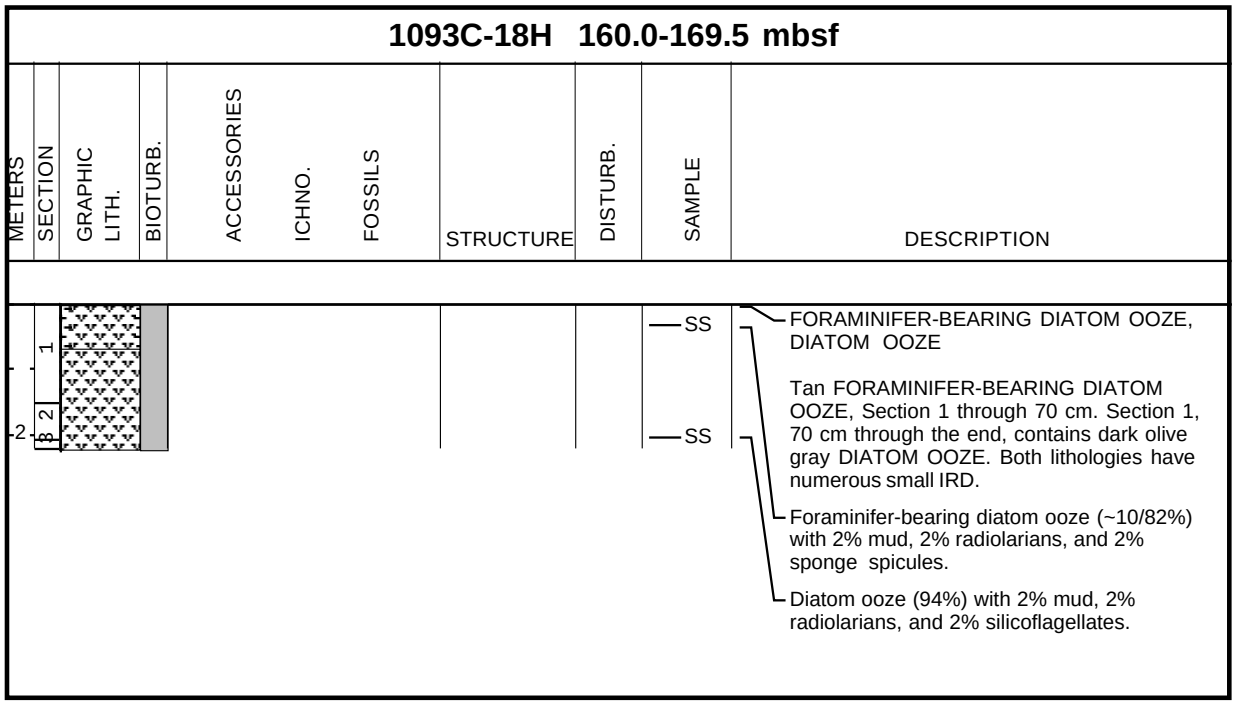

1093C-16H 141.0-150.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
-2
SS
SS
DIATOM OOZE
The lithology consists of olive DIATOM OOZE to Section 2, 60 cm, which contains thin, dark green layers occassionally throughout. The lower portion of the core contains tan DIATOM OOZE.
Diatom ooze (~80%) with 8% carbonate, 7% mud, 2% nannofossils, 2% foraminifers, 1% radiolarians and traces of silicoflagellates and sponge spicules
Diatom ooze (~80%) with 9% carbonate, 5% mud, 5% radiolarians, 1% foraminifers and traces of silicoflagellates

Core Photo

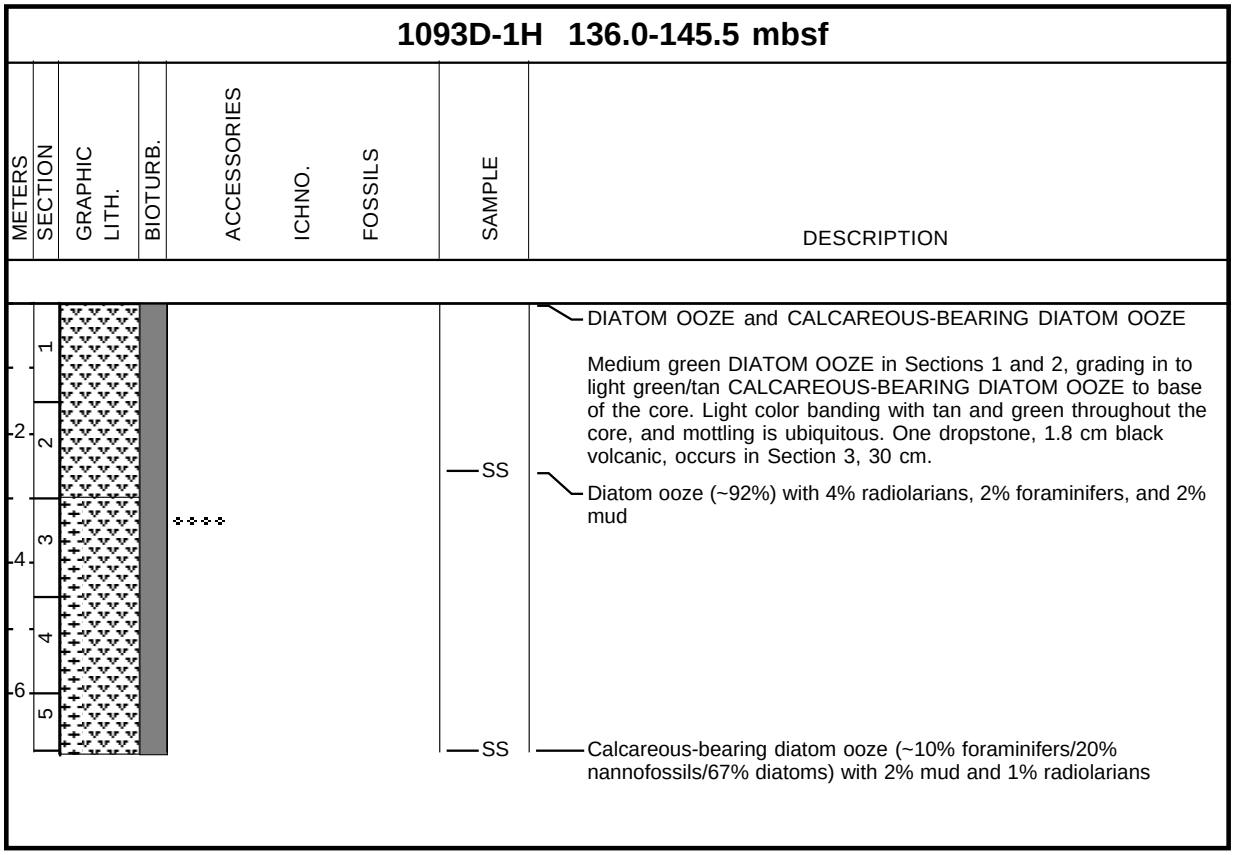
1093C-17H 150.5-160.0 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
2	1								SS	FORAMINIFER-BEARING DIATOM OOZE Tan FORAMINIFER-BEARING DIATOM OOZE with dark gray, green, and dark tan color banding throughout entire core. Core disturbance appears in the upper 52 cm of section 1 including black grit and gravel cavings and patches of white carbonate sediment. Foraminifer-bearing diatom ooze (15/83%) with minor mud (2%) and traces of radiolarians and silicoflagellates.
4	2									
	3									
	4									
	5									

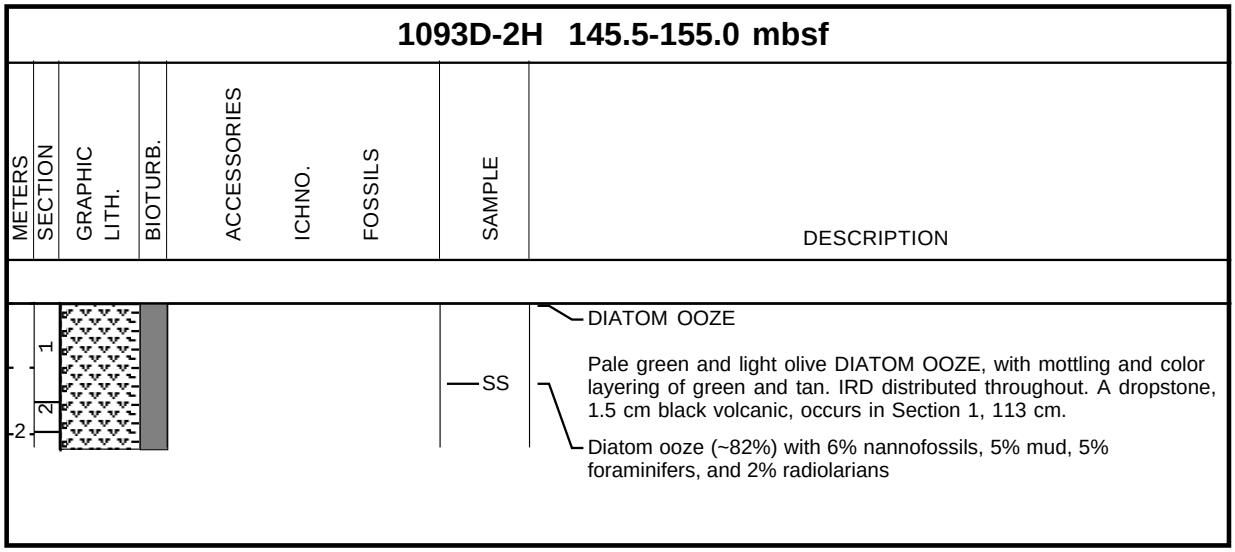
Core Photo


1093C-18H 160.0-169.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
CC
-2
SS
SS
FORAMINIFER-BEARING DIATOM OOZE, DIATOM OOZE
Tan FORAMINIFER-BEARING DIATOM OOZE, Section 1 through 70 cm. Section 1, 70 cm through the end, contains dark olive gray DIATOM OOZE. Both lithologies have numerous small IRD.
Foraminifer-bearing diatom ooze (~10/82%) with 2% mud, 2% radiolarians, and 2% sponge spicules.
Diatom ooze (94%) with 2% mud, 2% radiolarians, and 2% silicoflagellates.

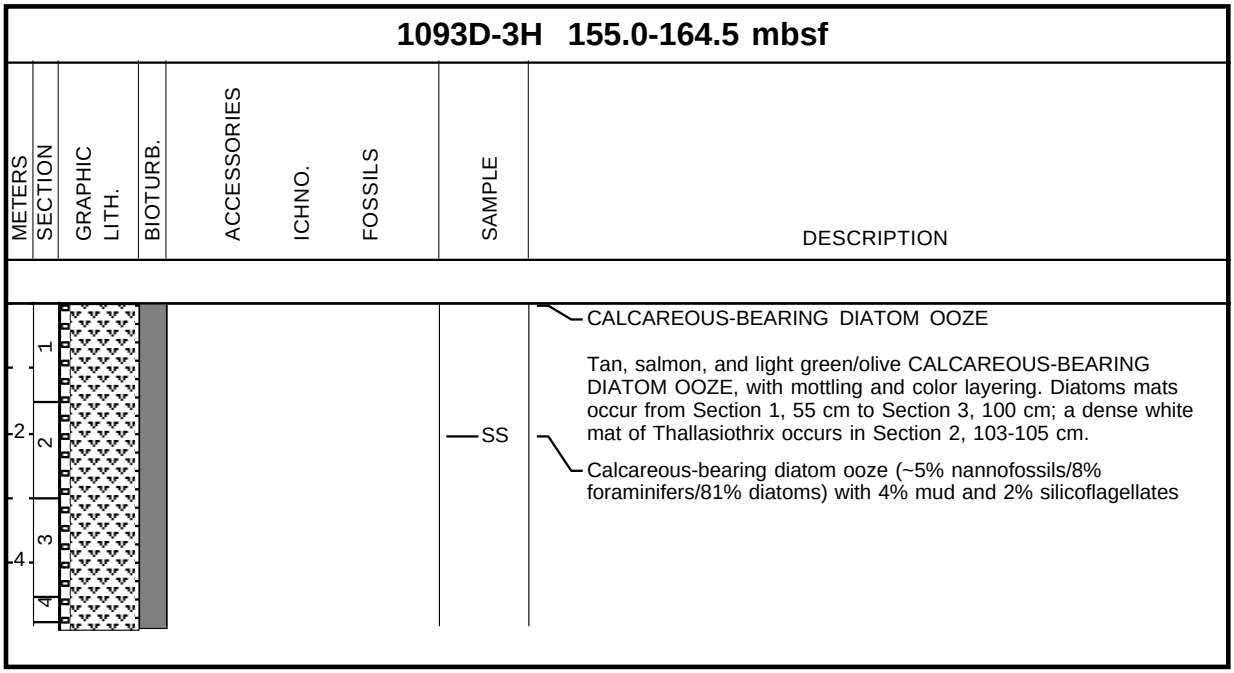
Core Photo


1093D-1H 136.0-145.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
1
2
3
4
5
2
4
6
SS
SS
DIATOM OOZE and CALCAREOUS-BEARING DIATOM OOZE
Medium green DIATOM OOZE in Sections 1 and 2, grading in to light green/tan CALCAREOUS-BEARING DIATOM OOZE to base of the core. Light color banding with tan and green throughout the core, and mottling is ubiquitous. One dropstone, 1.8 cm black volcanic, occurs in Section 3, 30 cm.
Diatom ooze (~92%) with 4% radiolarians, 2% foraminifers, and 2% mud
Calcareous-bearing diatom ooze (~10% foraminifers/20% nannofossils/67% diatoms) with 2% mud and 1% radiolarians

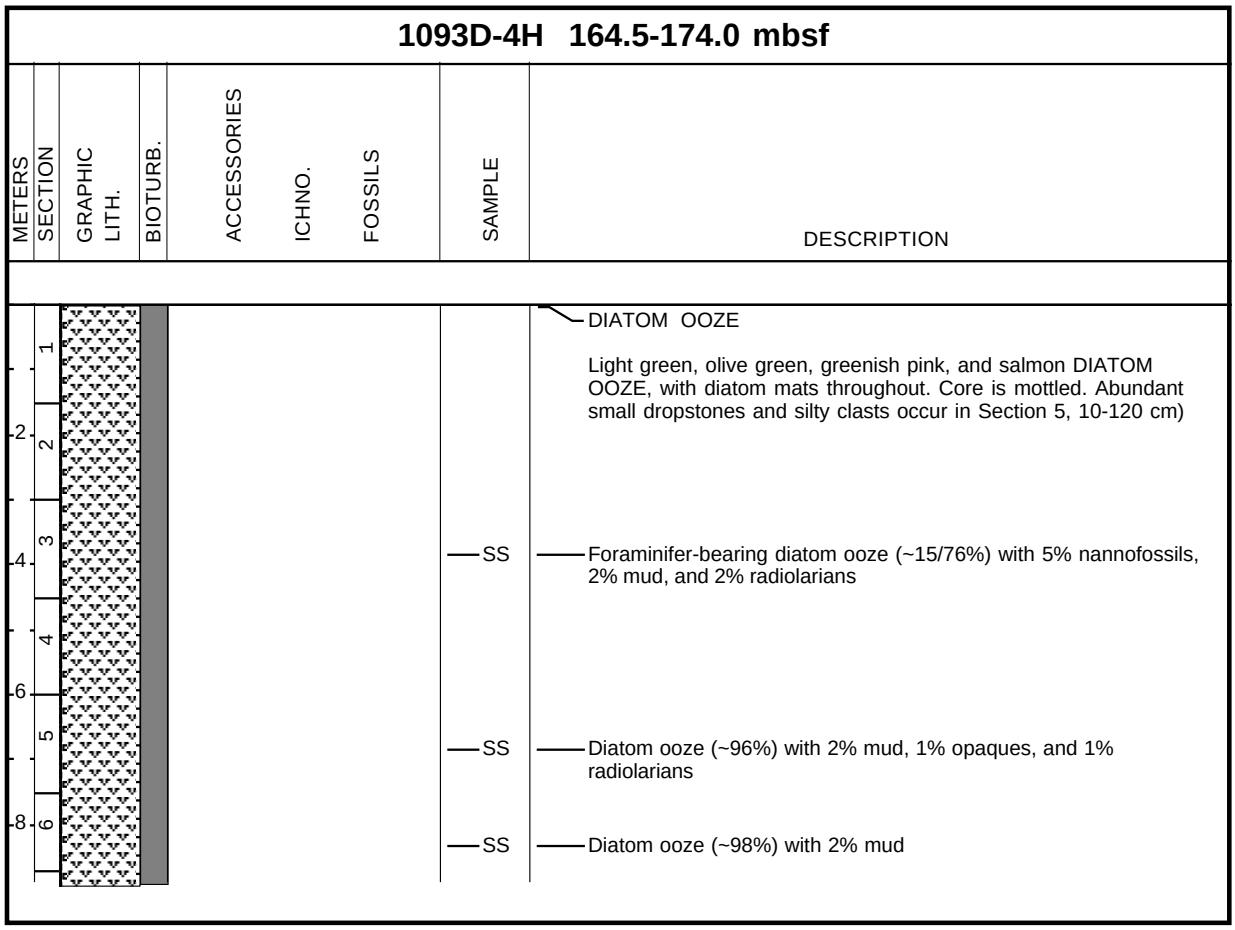
Core Photo


1093D-2H 145.5-155.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
1
2
2
SS
DIATOM OOZE
Pale green and light olive DIATOM OOZE, with mottling and color layering of green and tan. IRD distributed throughout. A dropstone, 1.5 cm black volcanic, occurs in Section 1, 113 cm.
Diatom ooze (~82%) with 6% nannofossils, 5% mud, 5% foraminifers, and 2% radiolarians

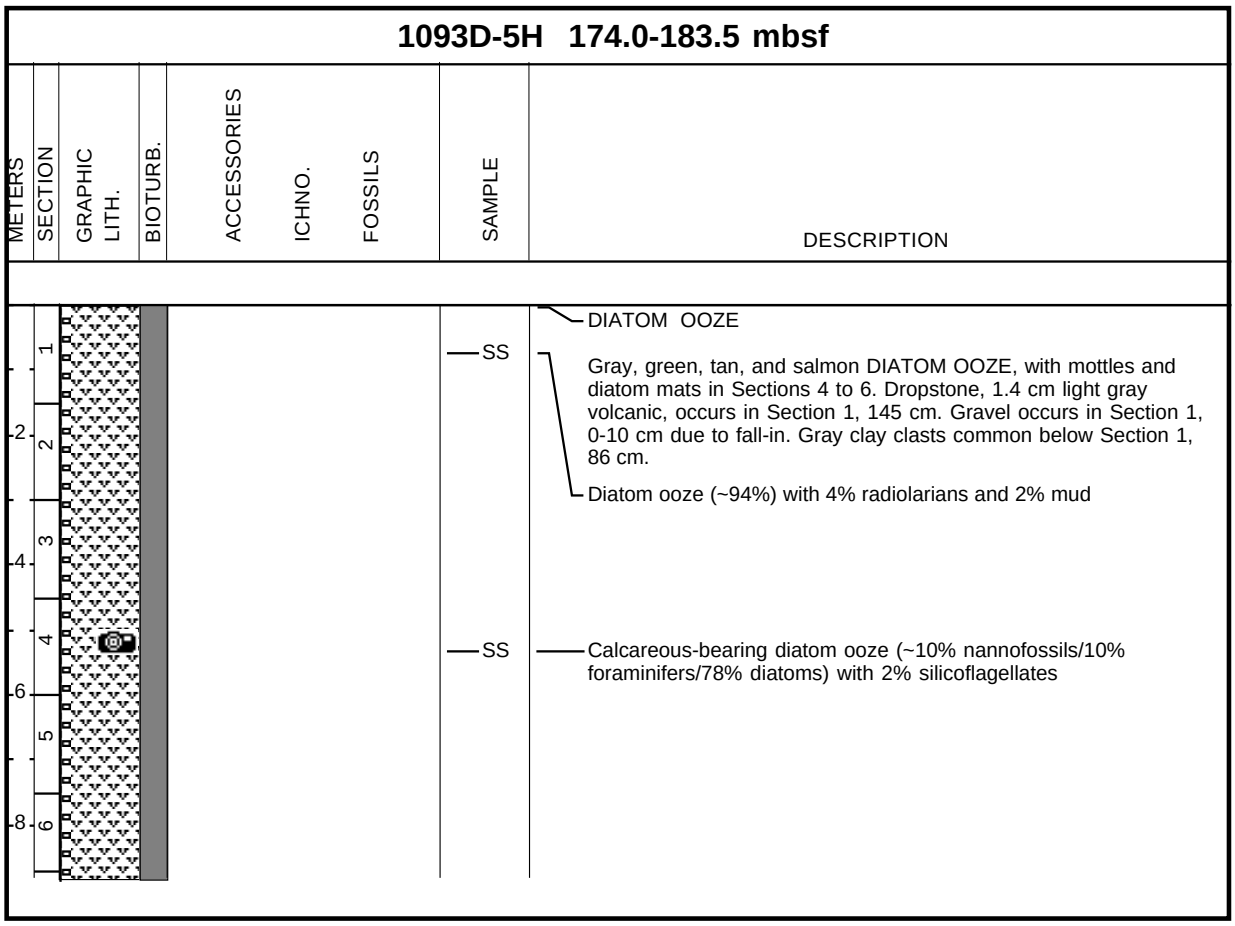
Core Photo


1093D-3H 155.0-164.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
-2
-4
1
2
3
4
SS
CALCAREOUS-BEARING DIATOM OOZE
Tan, salmon, and light green/olive CALCAREOUS-BEARING DIATOM OOZE, with mottling and color layering. Diatoms mats occur from Section 1, 55 cm to Section 3, 100 cm; a dense white mat of Thallasiothrix occurs in Section 2, 103-105 cm.
Calcareous-bearing diatom ooze (~5% nannofossils/8% foraminifers/81% diatoms) with 4% mud and 2% silicoflagellates

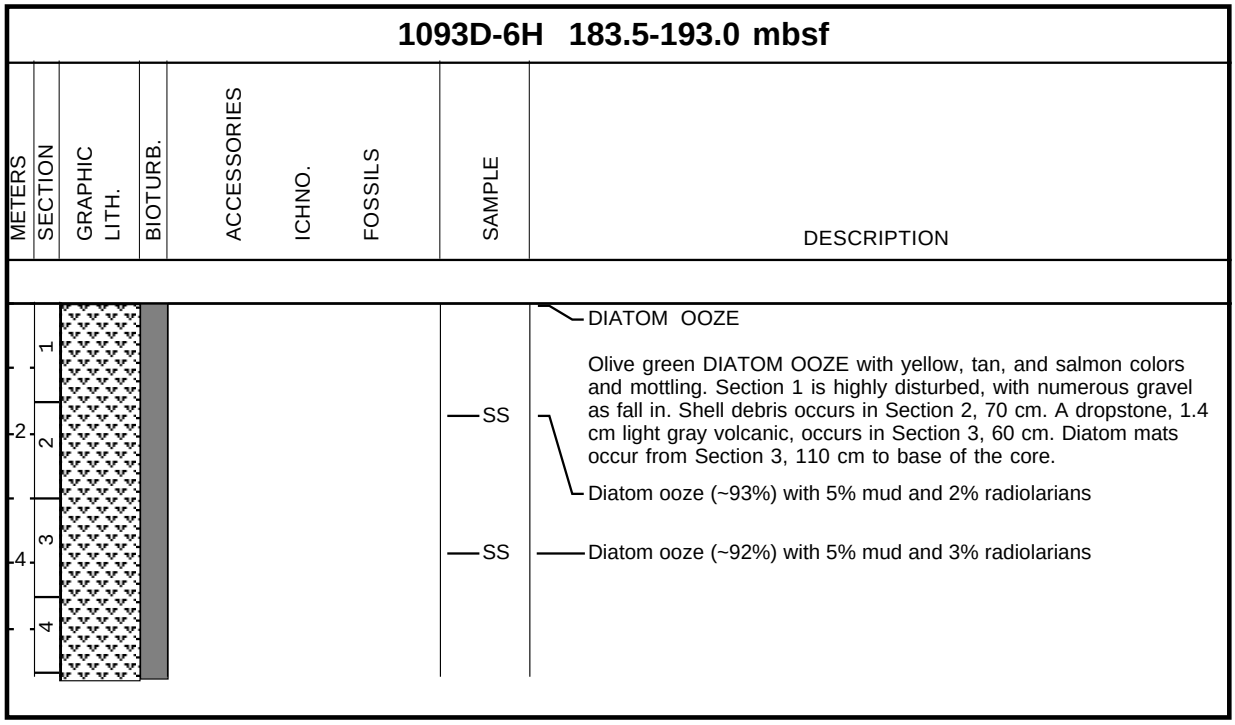
Core Photo


1093D-4H 164.5-174.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
DIATOM OOZE
Light green, olive green, greenish pink, and salmon DIATOM OOZE, with diatom mats throughout. Core is mottled. Abundant small dropstones and silty clasts occur in Section 5, 10-120 cm)
SS
Foraminifer-bearing diatom ooze (~15/76%) with 5% nannofossils, 2% mud, and 2% radiolarians
SS
Diatom ooze (~96%) with 2% mud, 1% opaques, and 1% radiolarians
SS
Diatom ooze (~98%) with 2% mud

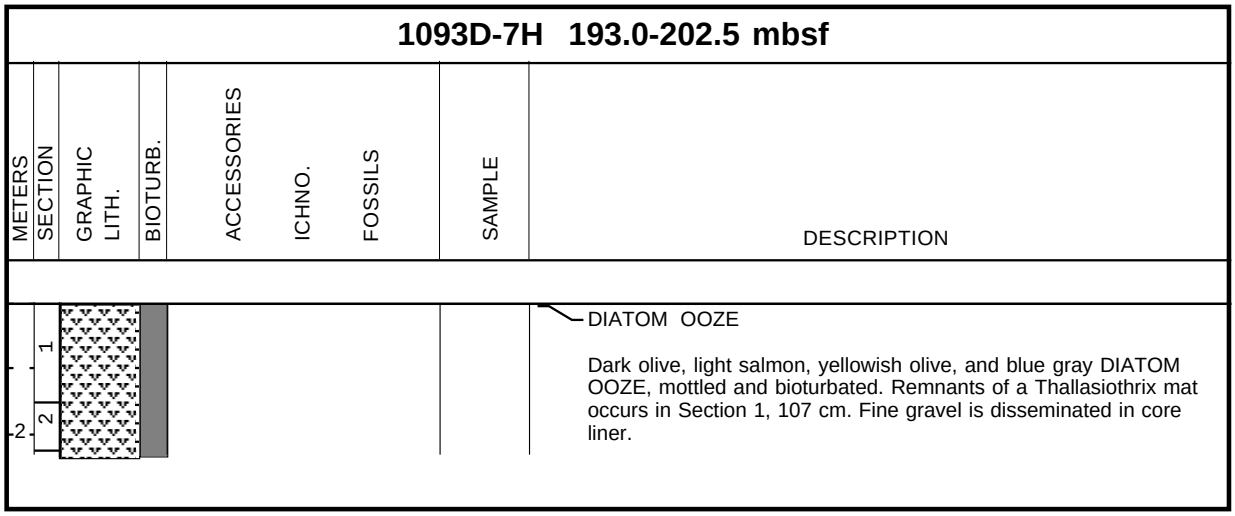
Core Photo


1093D-5H 174.0-183.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
DIATOM OOZE
SS
Gray, green, tan, and salmon DIATOM OOZE, with mottles and diatom mats in Sections 4 to 6. Dropstone, 1.4 cm light gray volcanic, occurs in Section 1, 145 cm. Gravel occurs in Section 1, 0-10 cm due to fall-in. Gray clay clasts common below Section 1, 86 cm.
Diatom ooze (~94%) with 4% radiolarians and 2% mud
SS
Calcareous-bearing diatom ooze (~10% nannofossils/10% foraminifers/78% diatoms) with 2% silicoflagellates

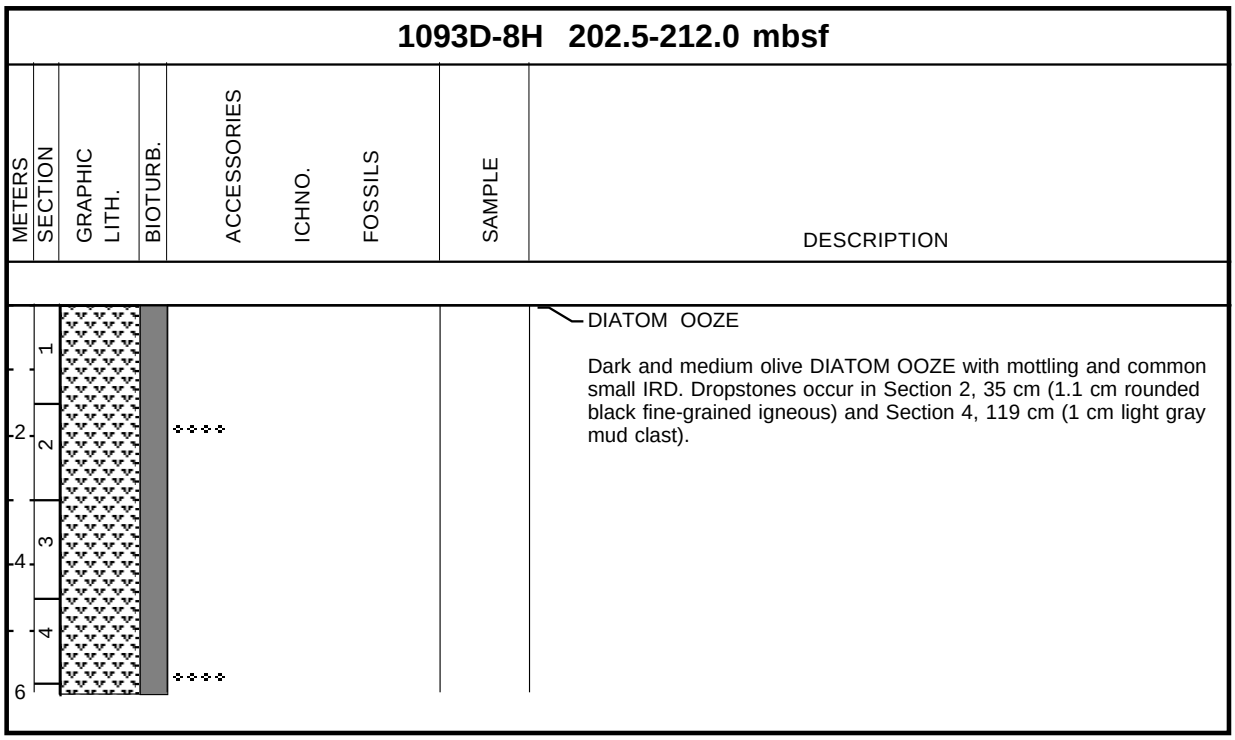
Core Photo


1093D-6H 183.5-193.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
-2
-4
1
2
3
4
SS
SS
DIATOM OOZE
Olive green DIATOM OOZE with yellow, tan, and salmon colors and mottling. Section 1 is highly disturbed, with numerous gravel as fall in. Shell debris occurs in Section 2, 70 cm. A dropstone, 1.4 cm light gray volcanic, occurs in Section 3, 60 cm. Diatom mats occur from Section 3, 110 cm to base of the core.
Diatom ooze (~93%) with 5% mud and 2% radiolarians
Diatom ooze (~92%) with 5% mud and 3% radiolarians

Core Photo

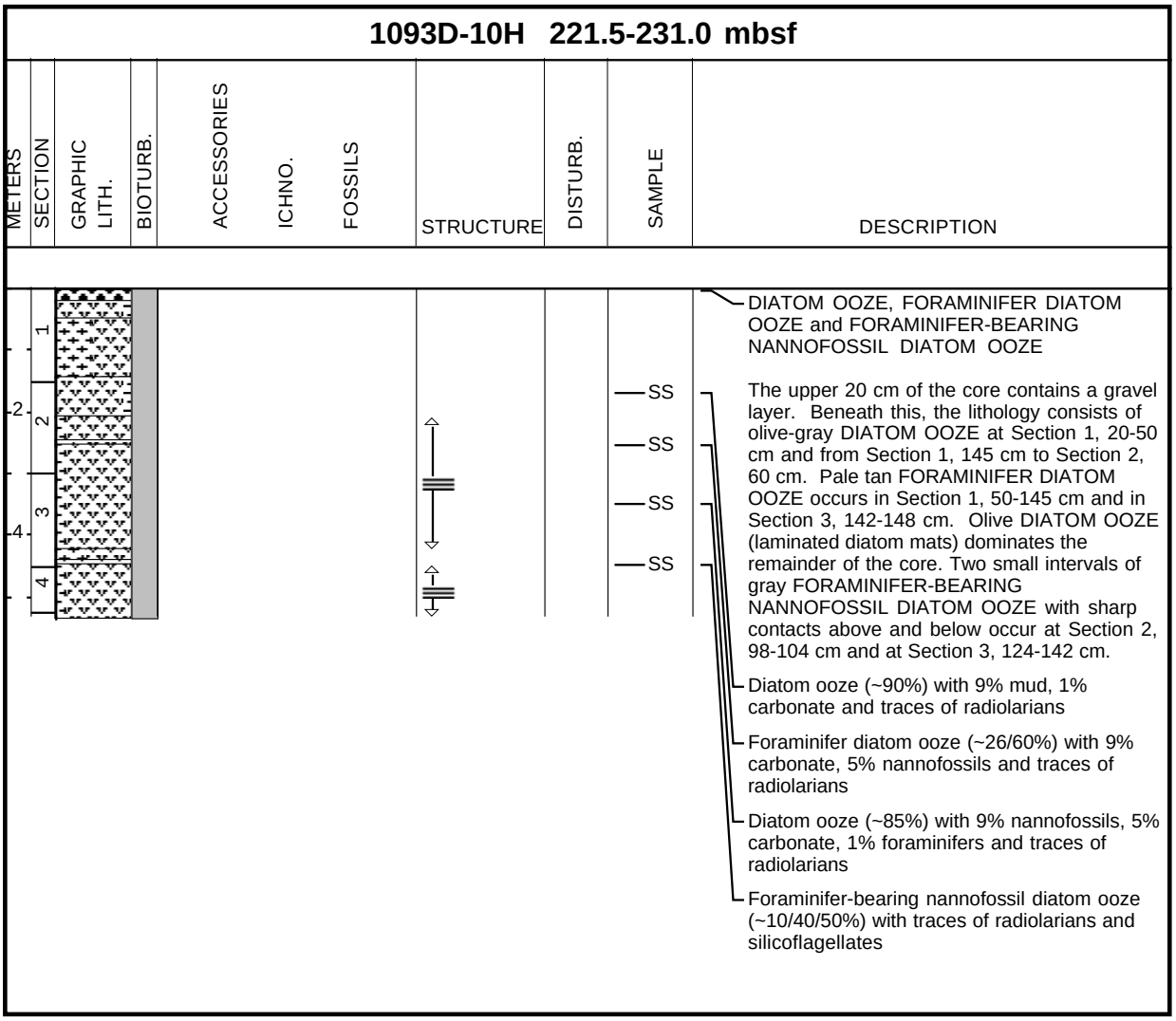

1093D-7H 193.0-202.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
SAMPLE
DESCRIPTION
1
2
2
DIATOM OOZE
Dark olive, light salmon, yellowish olive, and blue gray DIATOM OOZE, mottled and bioturbated. Remnants of a Thallasiothrix mat occurs in Section 1, 107 cm. Fine gravel is disseminated in core liner.

Core Photo

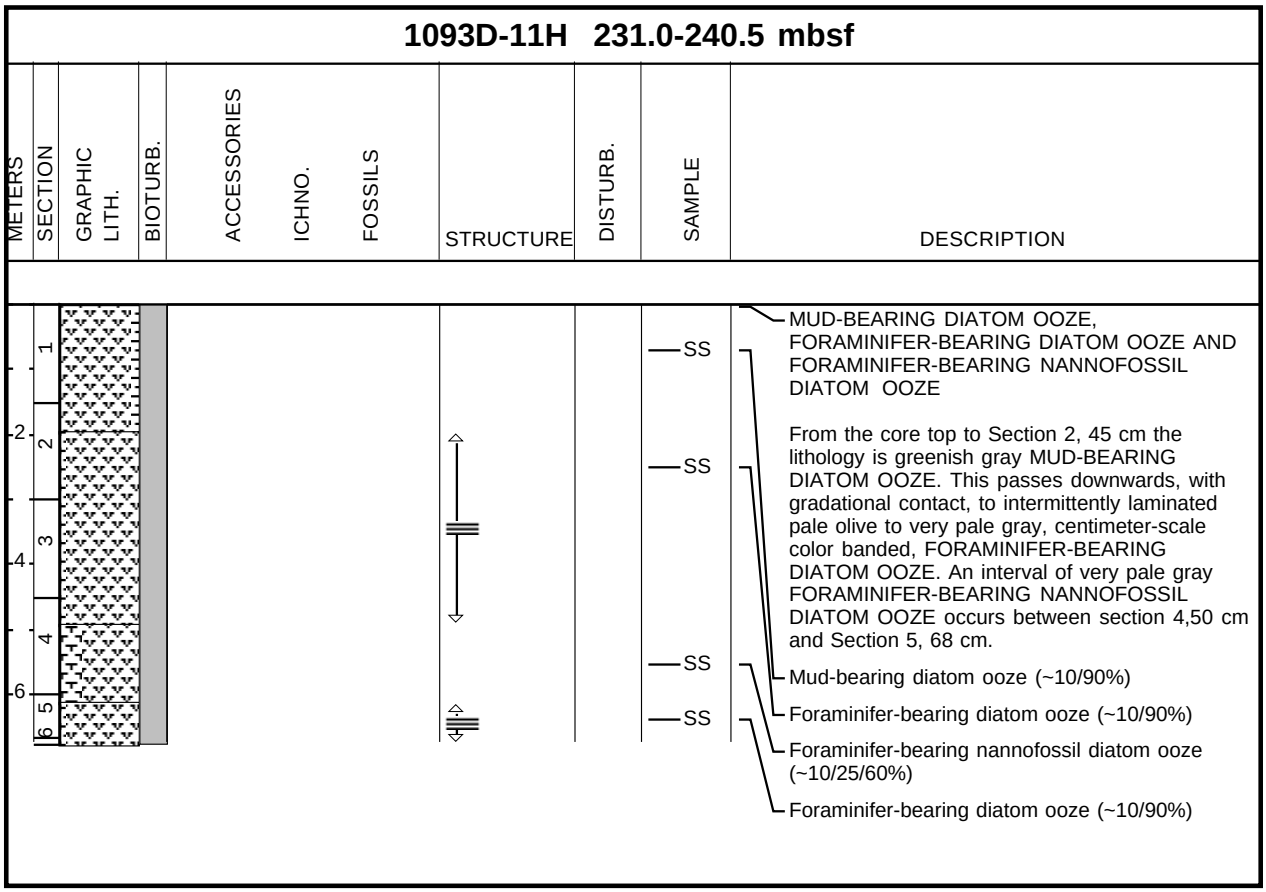


1093D-9H NO RECOVERY

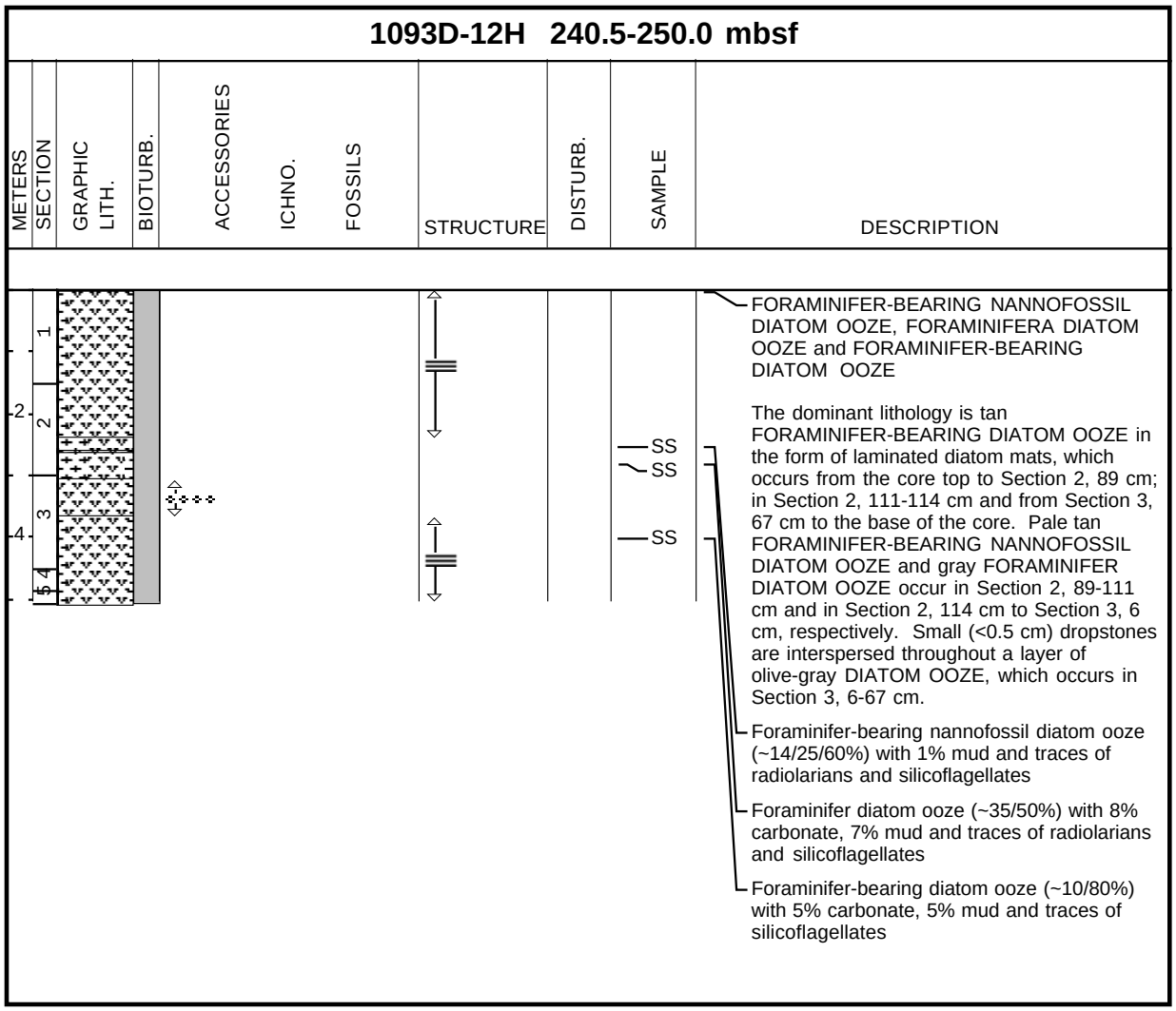
Core Photo


1093D-10H 221.5-231.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
-2
-4
SS
SS
SS
SS
DIATOM OOZE, FORAMINIFER DIATOM OOZE and FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE
The upper 20 cm of the core contains a gravel layer. Beneath this, the lithology consists of olive-gray DIATOM OOZE at Section 1, 20-50 cm and from Section 1, 145 cm to Section 2, 60 cm. Pale tan FORAMINIFER DIATOM OOZE occurs in Section 1, 50-145 cm and in Section 3, 142-148 cm. Olive DIATOM OOZE (laminated diatom mats) dominates the remainder of the core. Two small intervals of gray FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE with sharp contacts above and below occur at Section 2, 98-104 cm and at Section 3, 124-142 cm.
Diatom ooze (~90%) with 9% mud, 1% carbonate and traces of radiolarians
Foraminifer diatom ooze (~26/60%) with 9% carbonate, 5% nannofossils and traces of radiolarians
Diatom ooze (~85%) with 9% nannofossils, 5% carbonate, 1% foraminifers and traces of radiolarians
Foraminifer-bearing nannofossil diatom ooze (~10/40/50%) with traces of radiolarians and silicoflagellates

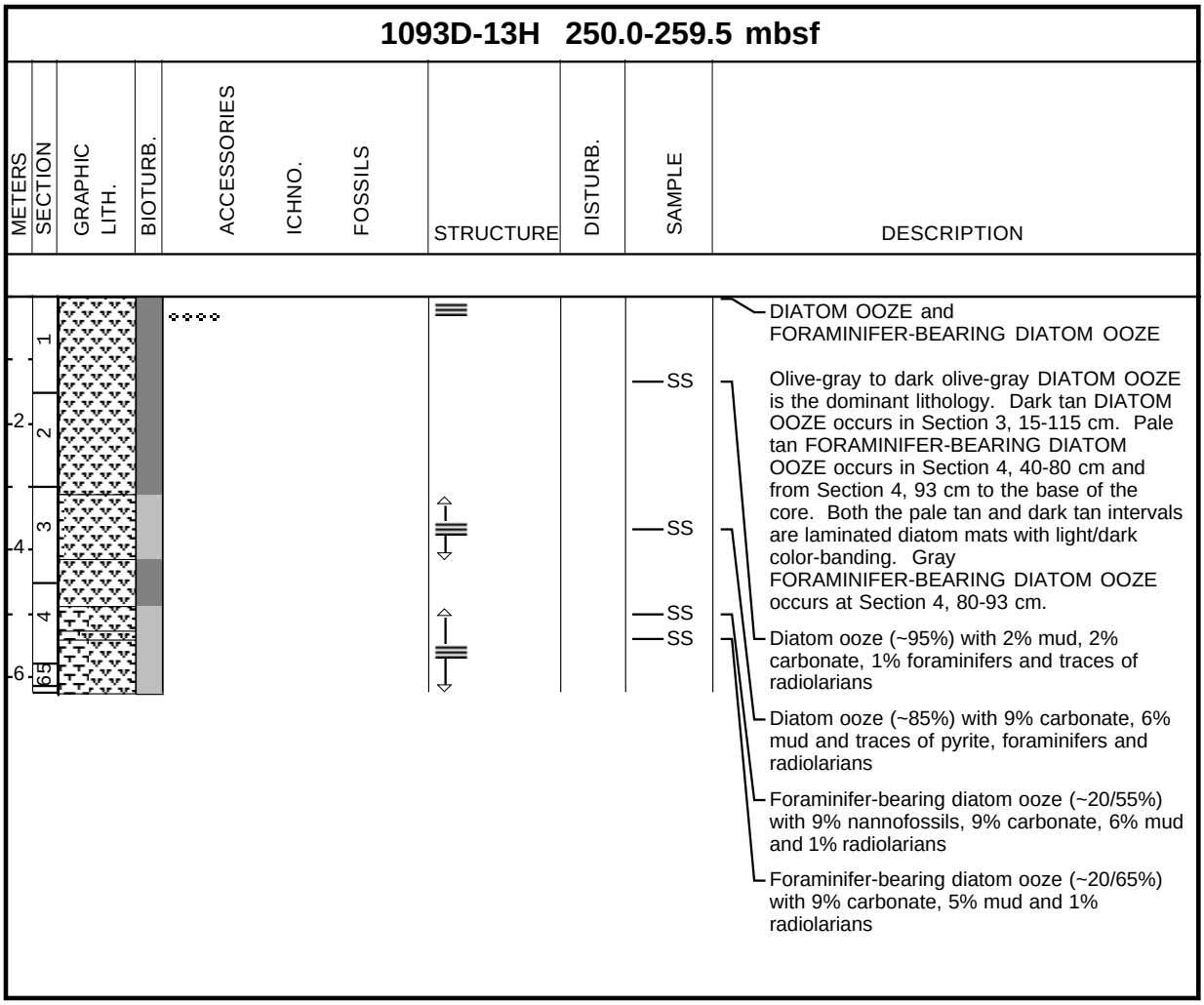
Core Photo


1093D-11H 231.0-240.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
MUD-BEARING DIATOM OOZE, FORAMINIFER-BEARING DIATOM OOZE AND FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE
From the core top to Section 2, 45 cm the lithology is greenish gray MUD-BEARING DIATOM OOZE. This passes downwards, with gradational contact, to intermittently laminated pale olive to very pale gray, centimeter-scale color banded, FORAMINIFER-BEARING DIATOM OOZE. An interval of very pale gray FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE occurs between section 4,50 cm and Section 5, 68 cm.
Mud-bearing diatom ooze (~10/90%)
Foraminifer-bearing diatom ooze (~10/90%)
Foraminifer-bearing nannofossil diatom ooze (~10/25/60%)
Foraminifer-bearing diatom ooze (~10/90%)

Core Photo


1093D-12H 240.5-250.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
-2
-4
1
2
3
4
5
SS
SS
SS
FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE, FORAMINIFERA DIATOM OOZE and FORAMINIFER-BEARING DIATOM OOZE
The dominant lithology is tan FORAMINIFER-BEARING DIATOM OOZE in the form of laminated diatom mats, which occurs from the core top to Section 2, 89 cm; in Section 2, 111-114 cm and from Section 3, 67 cm to the base of the core. Pale tan FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE and gray FORAMINIFER DIATOM OOZE occur in Section 2, 89-111 cm and in Section 2, 114 cm to Section 3, 6 cm, respectively. Small (<0.5 cm) dropstones are interspersed throughout a layer of olive-gray DIATOM OOZE, which occurs in Section 3, 6-67 cm.
Foraminifer-bearing nannofossil diatom ooze (~14/25/60%) with 1% mud and traces of radiolarians and silicoflagellates
Foraminifer diatom ooze (~35/50%) with 8% carbonate, 7% mud and traces of radiolarians and silicoflagellates
Foraminifer-bearing diatom ooze (~10/80%) with 5% carbonate, 5% mud and traces of silicoflagellates

Core Photo

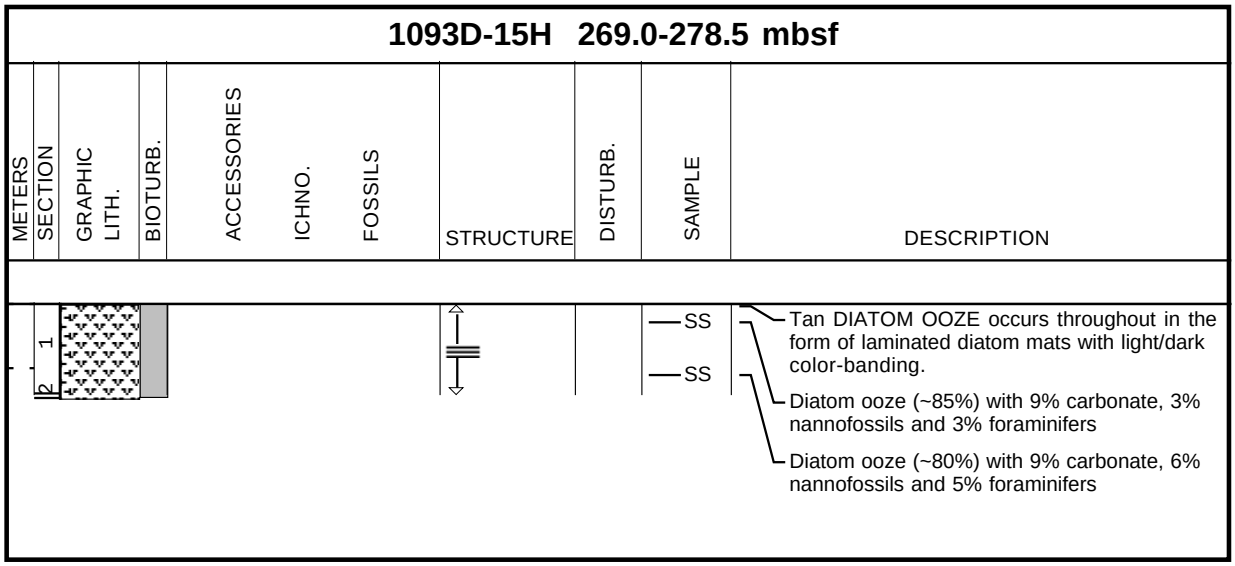

1093D-13H 250.0-259.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
SS
DIATOM OOZE and FORAMINIFER-BEARING DIATOM OOZE
Olive-gray to dark olive-gray DIATOM OOZE is the dominant lithology. Dark tan DIATOM OOZE occurs in Section 3, 15-115 cm. Pale tan FORAMINIFER-BEARING DIATOM OOZE occurs in Section 4, 40-80 cm and from Section 4, 93 cm to the base of the core. Both the pale tan and dark tan intervals are laminated diatom mats with light/dark color-banding. Gray FORAMINIFER-BEARING DIATOM OOZE occurs at Section 4, 80-93 cm.
Diatom ooze (~95%) with 2% mud, 2% carbonate, 1% foraminifers and traces of radiolarians
Diatom ooze (~85%) with 9% carbonate, 6% mud and traces of pyrite, foraminifers and radiolarians
Foraminifer-bearing diatom ooze (~20/55%) with 9% nannofossils, 9% carbonate, 6% mud and 1% radiolarians
Foraminifer-bearing diatom ooze (~20/65%) with 9% carbonate, 5% mud and 1% radiolarians

Core Photo

1093D-14H 259.5-269.0 mbsf

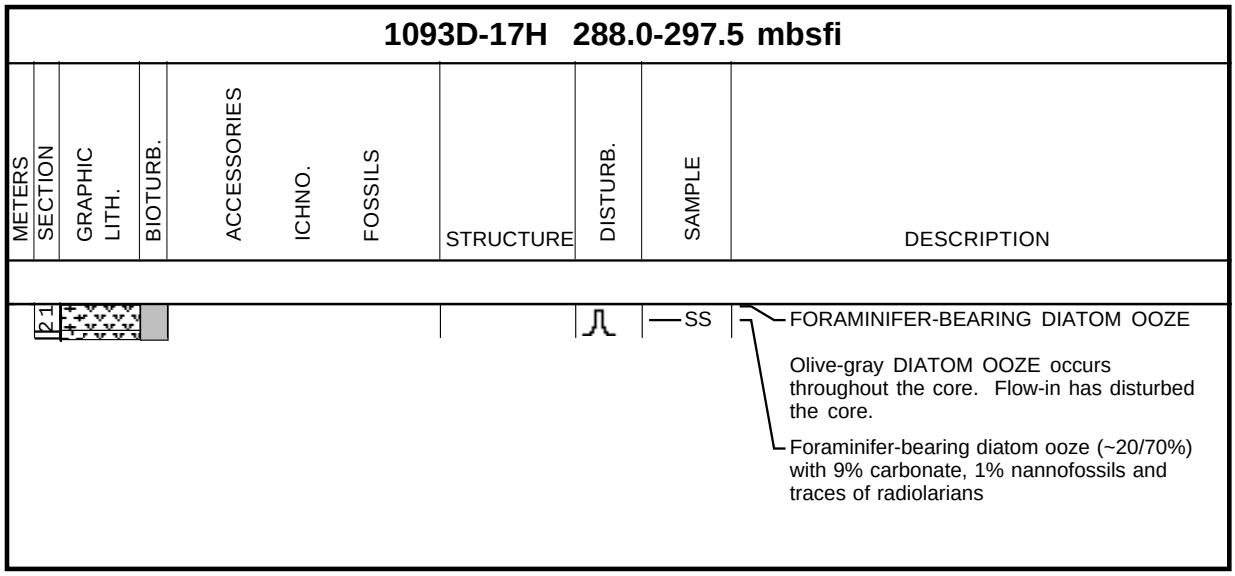
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
	2 1								SS	The lithology is tan-gray FORAMINIFERA DIATOM OOZE. Foraminifera diatom ooze (~40/55%) with 5% nannofossils and traces of radiolarians

Core Photo



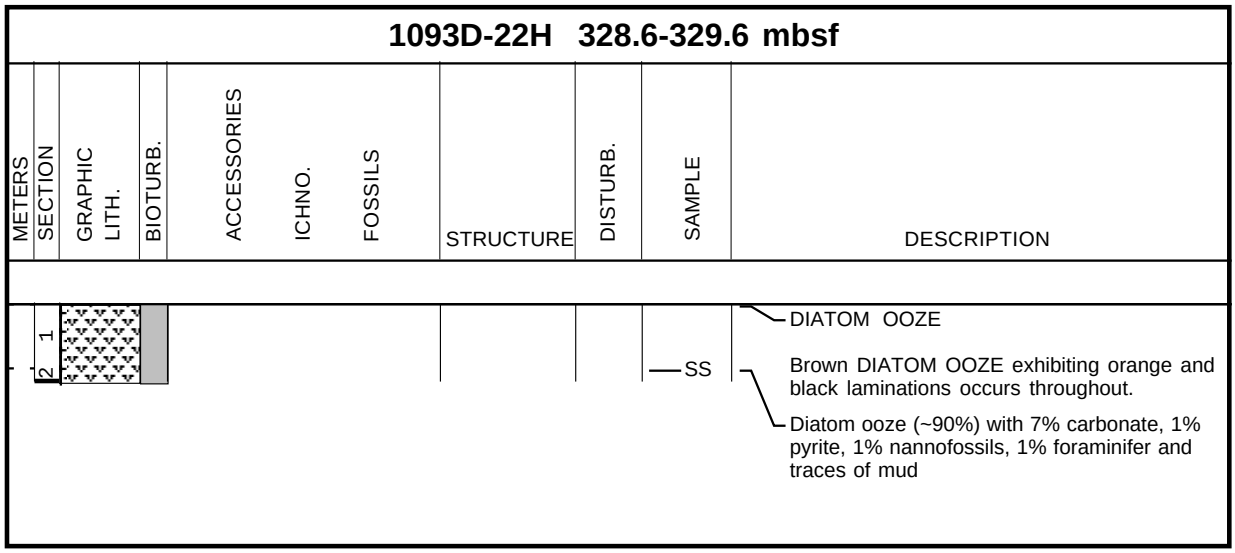
1093D-16H NO RECOVERY

Core Photo



1093D-18H Through 1093D-21H NO RECOVERY

Core Photo



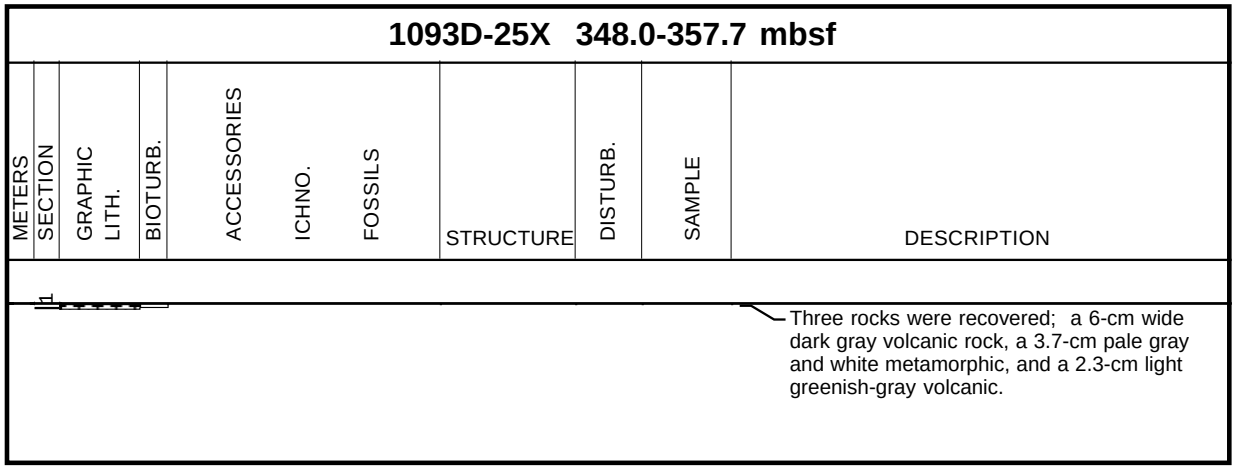
1093D-23H NO RECOVERY

Core Photo

1093D-24X 338.3-348.0 mbsf

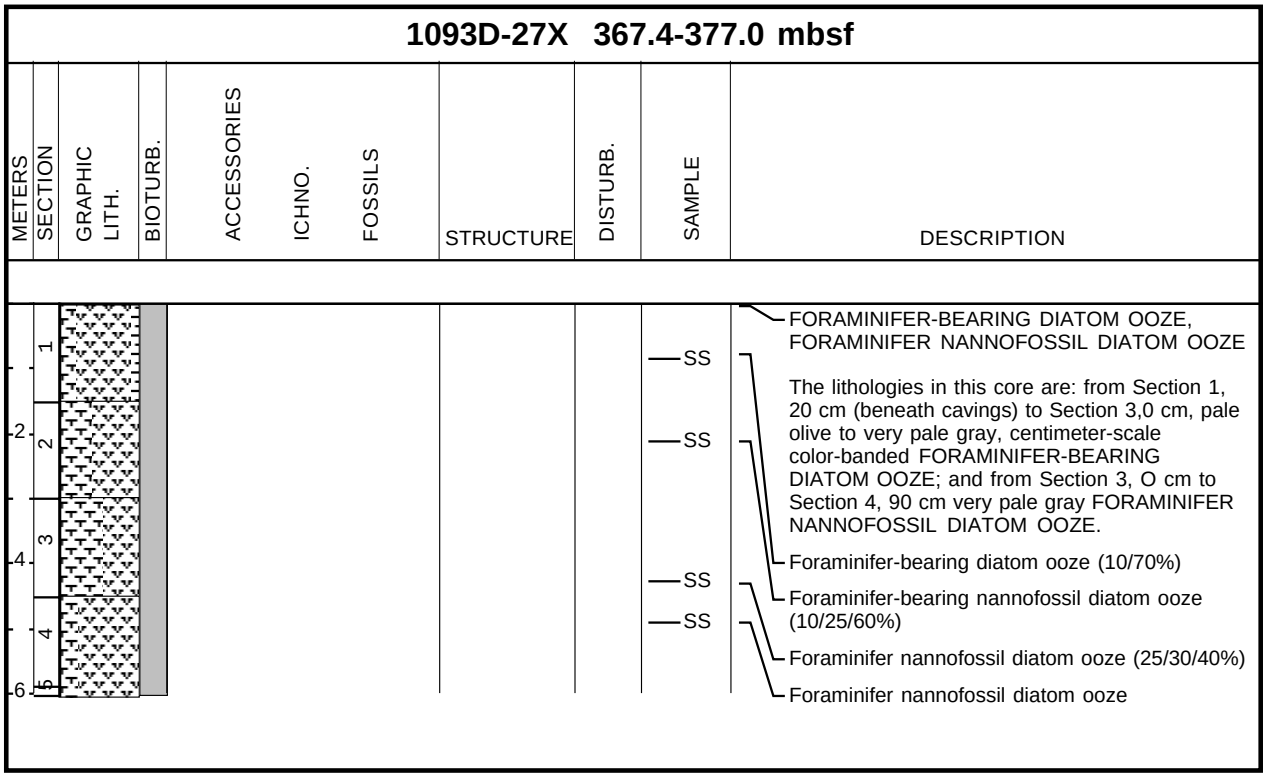
METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
	1									A single black, volcanic rock was recovered.

Core Photo

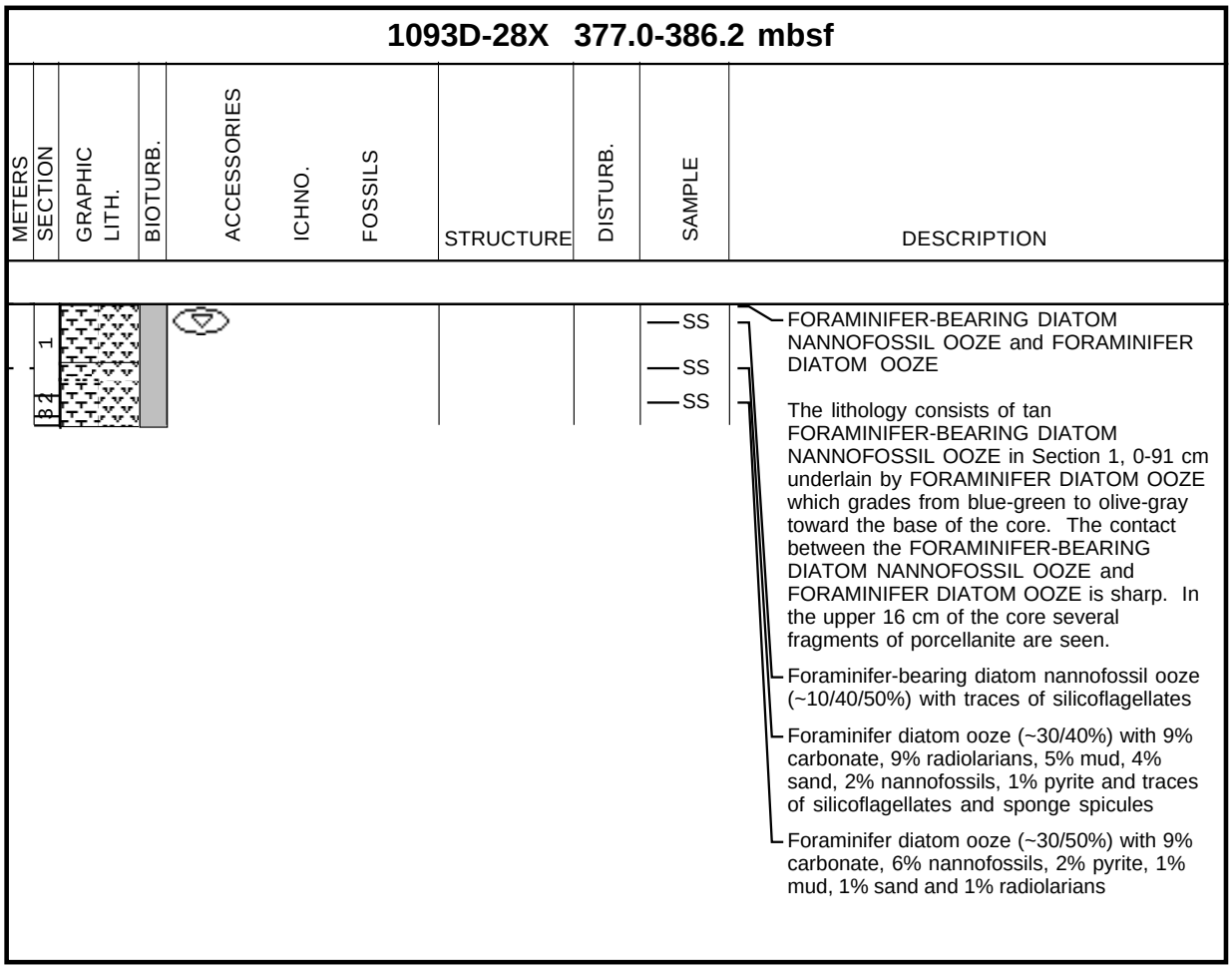


1093D-26X NO RECOVERY

Core Photo

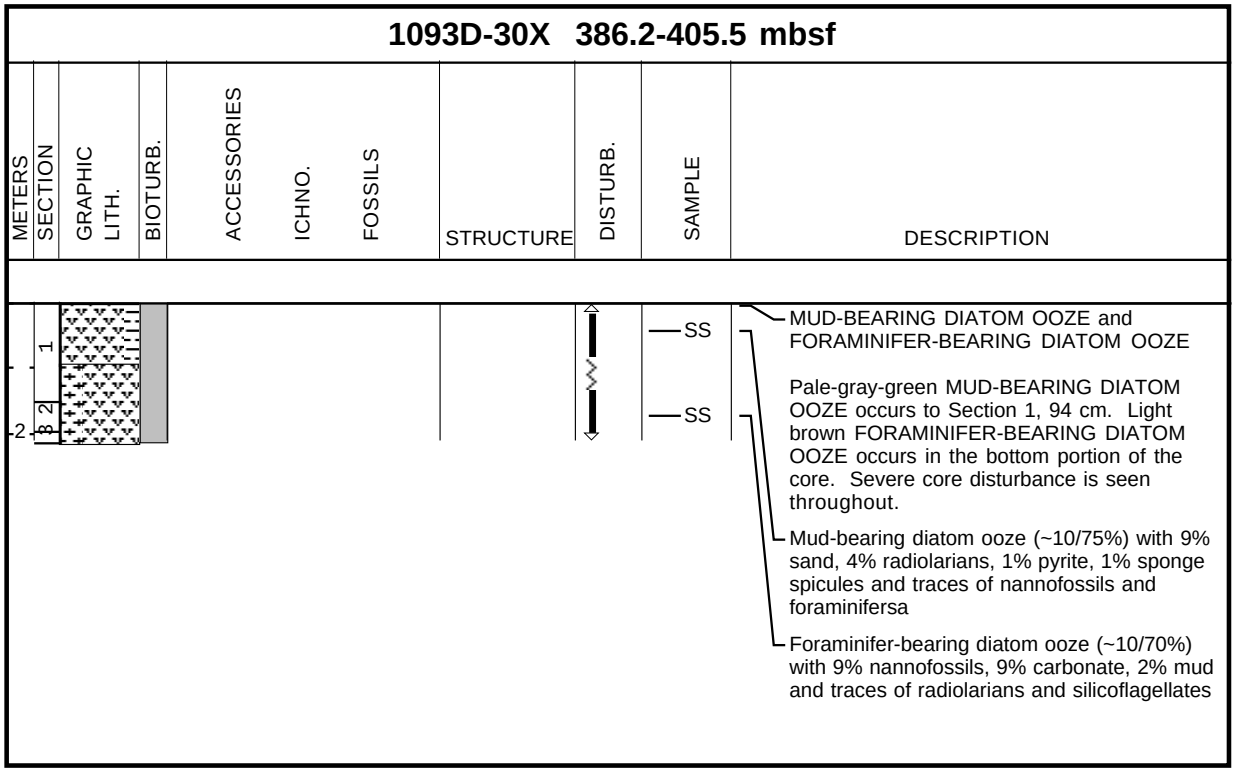

1093D-27X 367.4-377.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
5
2
4
6
SS
SS
SS
SS
FORAMINIFER-BEARING DIATOM OOZE, FORAMINIFER NANNOFOSSIL DIATOM OOZE
The lithologies in this core are: from Section 1, 20 cm (beneath cavings) to Section 3,0 cm, pale olive to very pale gray, centimeter-scale color-banded FORAMINIFER-BEARING DIATOM OOZE; and from Section 3, O cm to Section 4, 90 cm very pale gray FORAMINIFER NANNOFOSSIL DIATOM OOZE.
Foraminifer-bearing diatom ooze (10/70%)
Foraminifer-bearing nannofossil diatom ooze (10/25/60%)
Foraminifer nannofossil diatom ooze (25/30/40%)
Foraminifer nannofossil diatom ooze

Core Photo



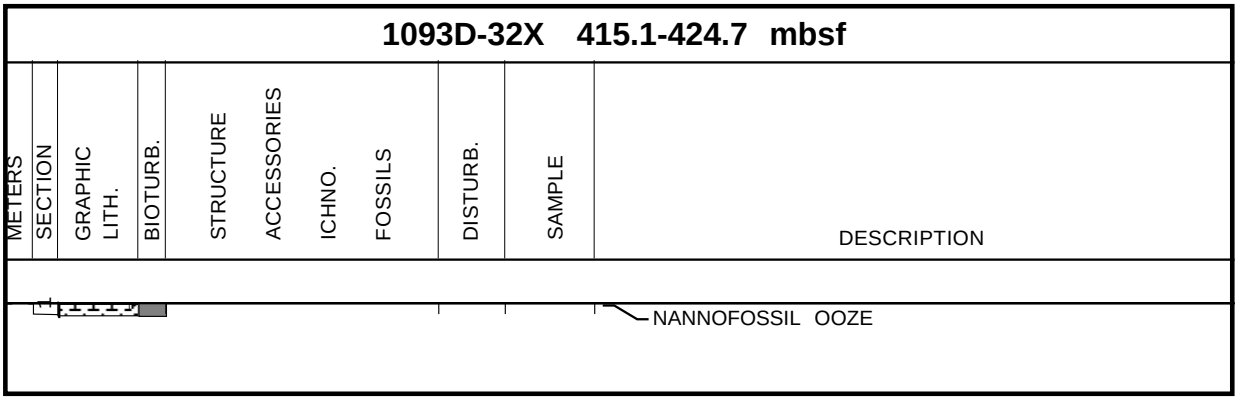
1093D-29X NO RECOVERY

Core Photo

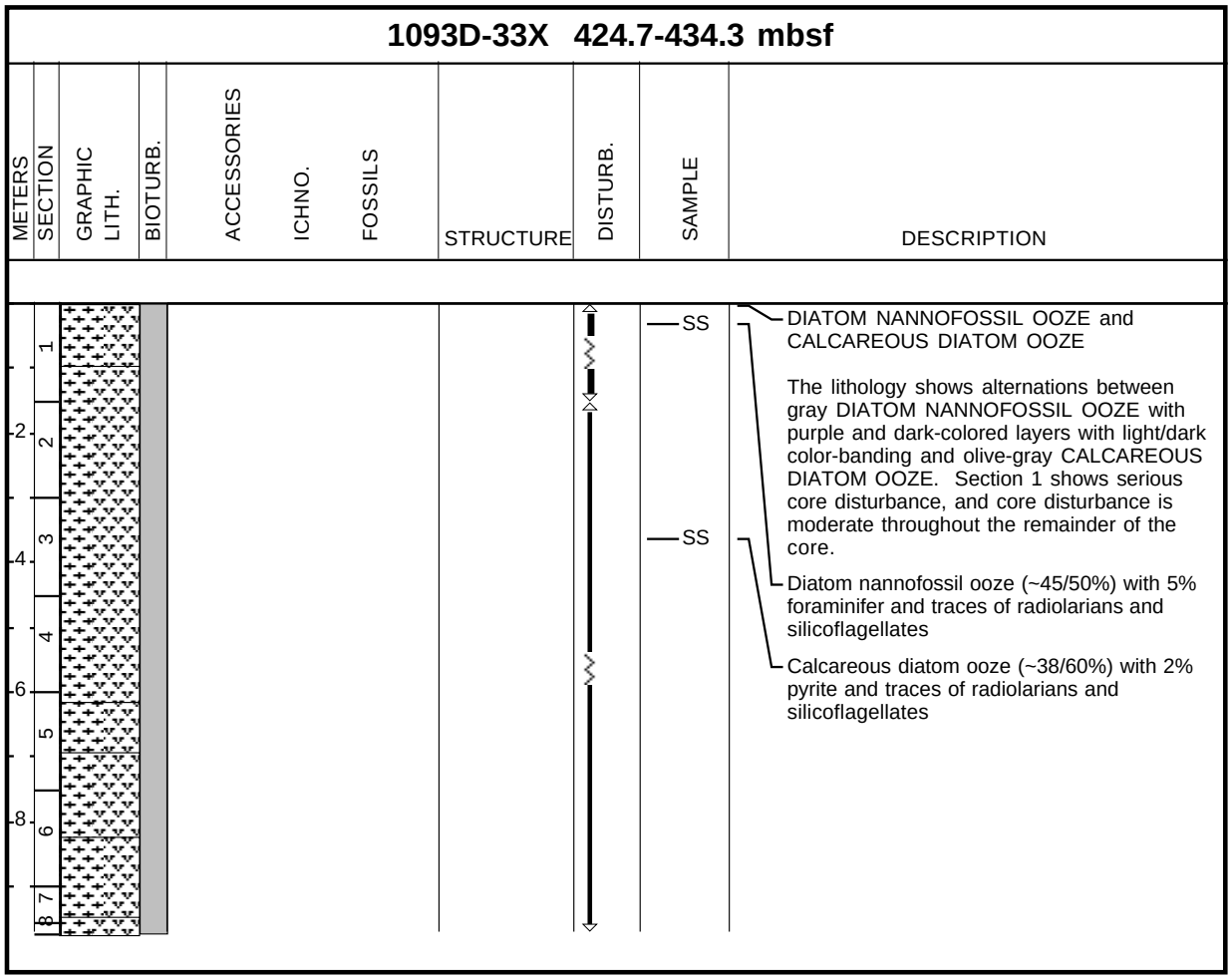


1093D-31X NO RECOVERY

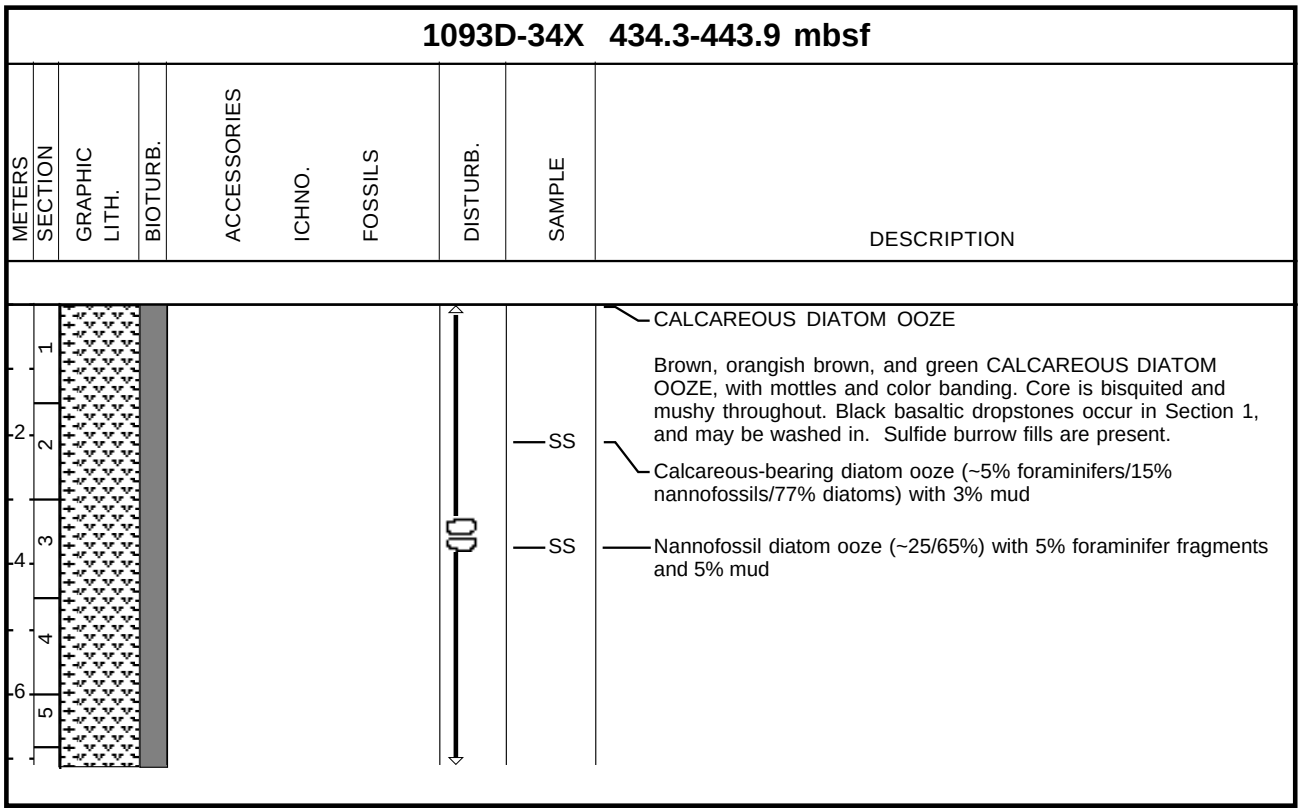
Core Photo


1093D-32X 415.1-424.7 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
NANNOFOSSIL OOZE

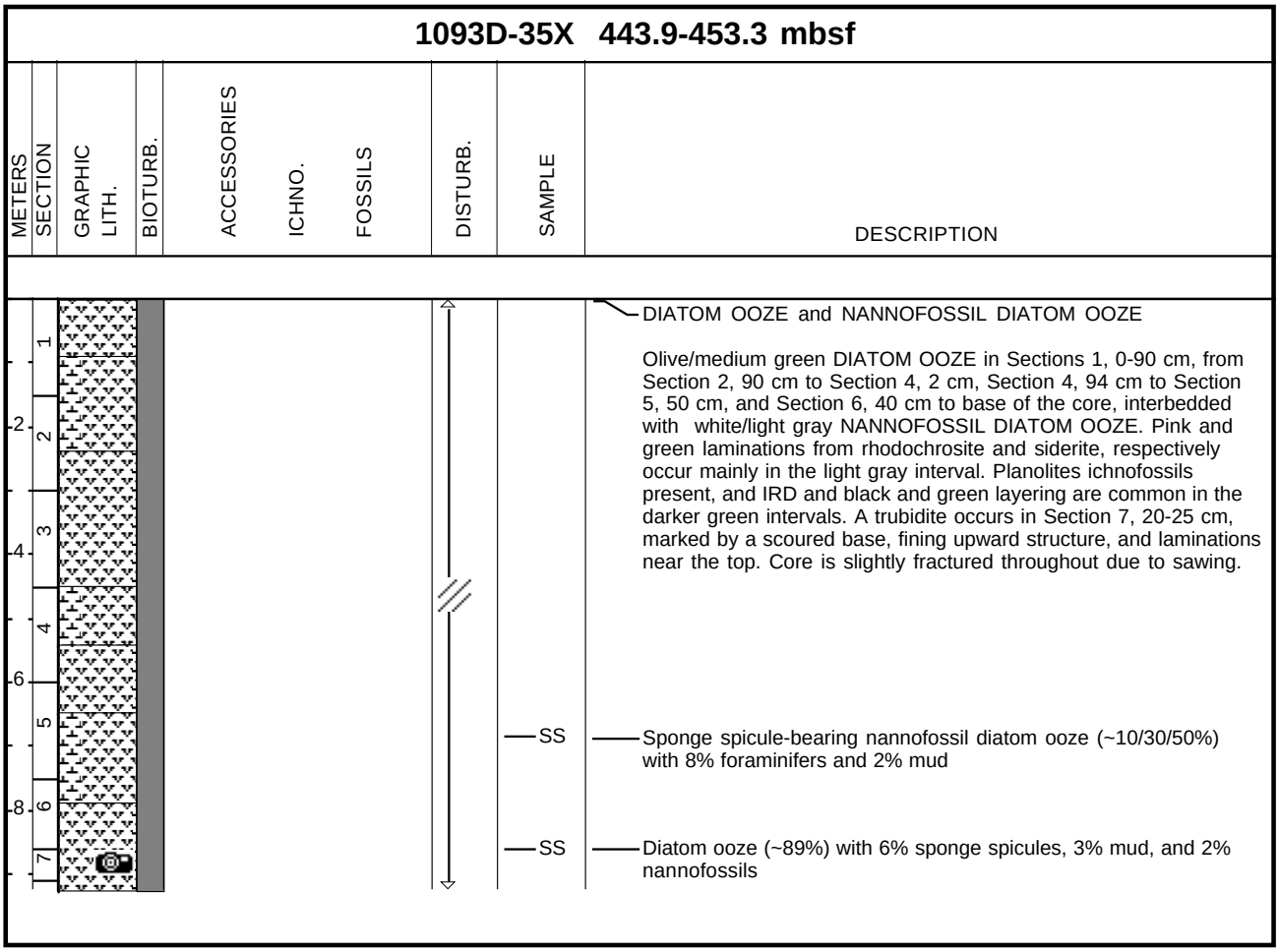
Core Photo


1093D-33X 424.7-434.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM NANNOFOSSIL OOZE and CALCAREOUS DIATOM OOZE
The lithology shows alternations between gray DIATOM NANNOFOSSIL OOZE with purple and dark-colored layers with light/dark color-banding and olive-gray CALCAREOUS DIATOM OOZE. Section 1 shows serious core disturbance, and core disturbance is moderate throughout the remainder of the core.
Diatom nannofossil ooze (~45/50%) with 5% foraminifer and traces of radiolarians and silicoflagellates
Calcareous diatom ooze (~38/60%) with 2% pyrite and traces of radiolarians and silicoflagellates

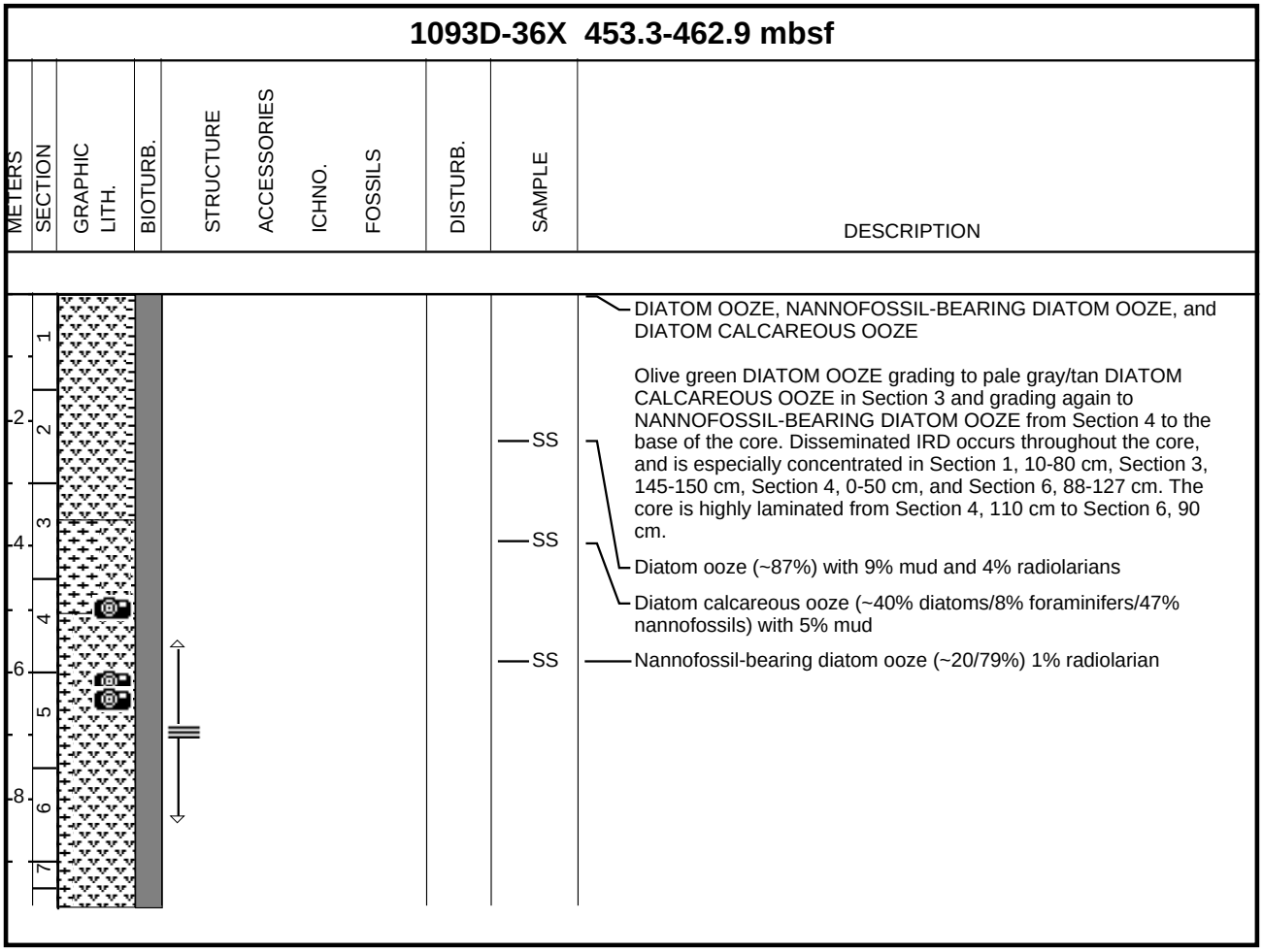
Core Photo


1093D-34X 434.3-443.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
CALCAREOUS DIATOM OOZE
Brown, orangish brown, and green CALCAREOUS DIATOM OOZE, with mottles and color banding. Core is bisquited and mushy throughout. Black basaltic dropstones occur in Section 1, and may be washed in. Sulfide burrow fills are present.
SS
Calcareous-bearing diatom ooze (~5% foraminifers/15% nannofossils/77% diatoms) with 3% mud
SS
Nannofossil diatom ooze (~25/65%) with 5% foraminifer fragments and 5% mud

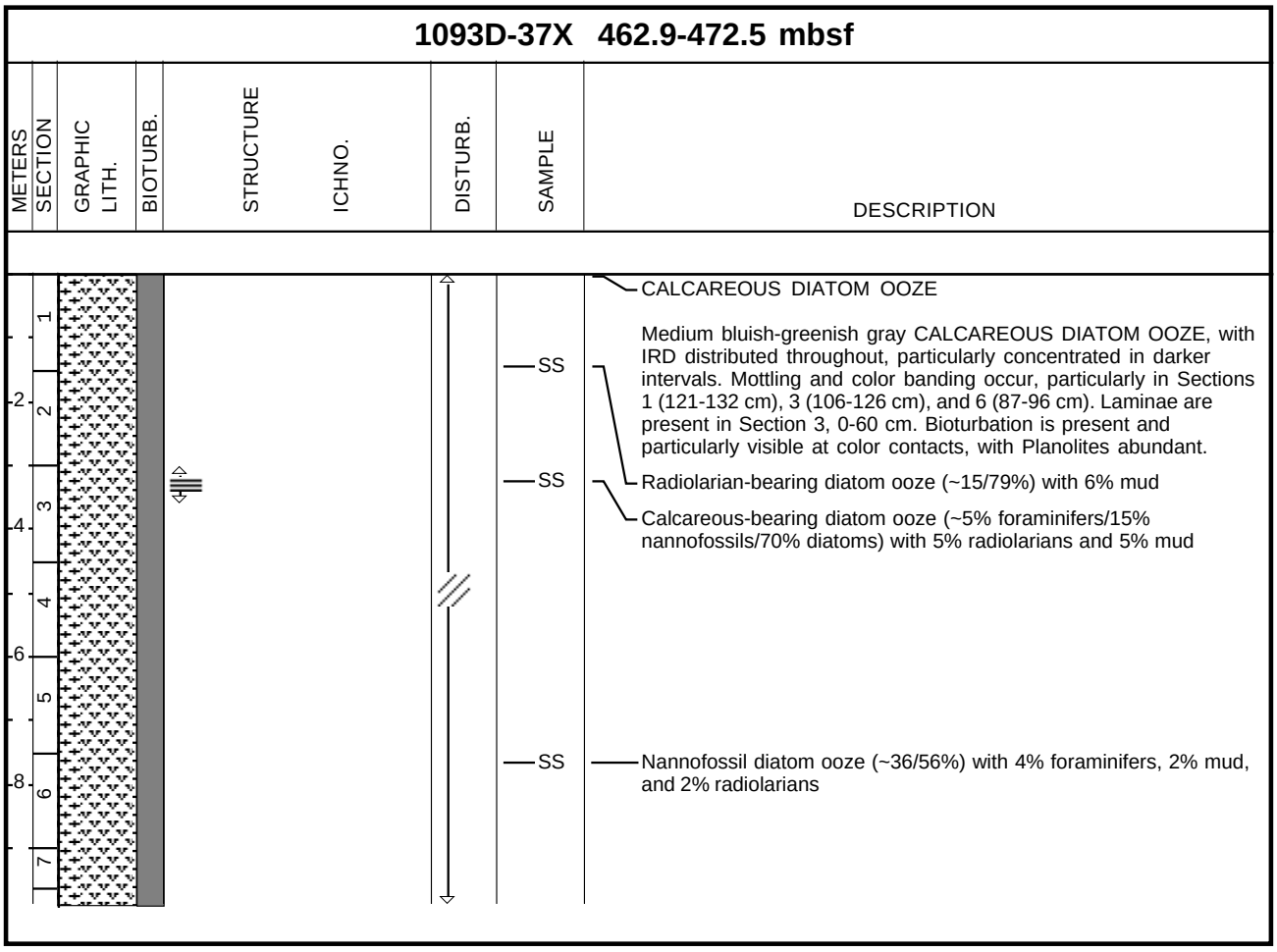
Core Photo


1093D-35X 443.9-453.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE and NANNOFOSSIL DIATOM OOZE
Olive/medium green DIATOM OOZE in Sections 1, 0-90 cm, from Section 2, 90 cm to Section 4, 2 cm, Section 4, 94 cm to Section 5, 50 cm, and Section 6, 40 cm to base of the core, interbedded with white/light gray NANNOFOSSIL DIATOM OOZE. Pink and green laminations from rhodochrosite and siderite, respectively occur mainly in the light gray interval. Planolites ichnofossils present, and IRD and black and green layering are common in the darker green intervals. A trubidite occurs in Section 7, 20-25 cm, marked by a scoured base, fining upward structure, and laminations near the top. Core is slightly fractured throughout due to sawing.
SS
Sponge spicule-bearing nannofossil diatom ooze (~10/30/50%) with 8% foraminifers and 2% mud
SS
Diatom ooze (~89%) with 6% sponge spicules, 3% mud, and 2% nannofossils

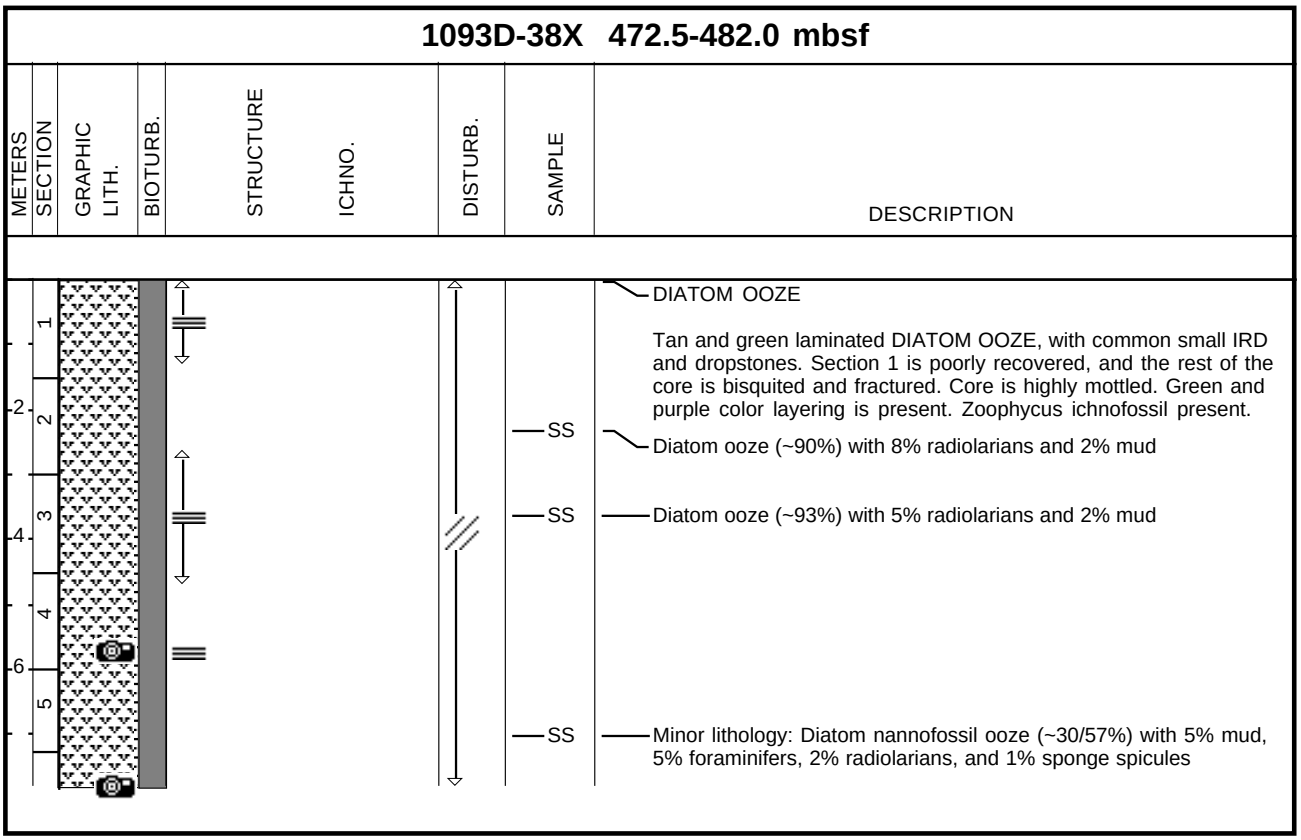
Core Photo


1093D-36X 453.3-462.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE, NANNOFOSSIL-BEARING DIATOM OOZE, and DIATOM CALCAREOUS OOZE
Olive green DIATOM OOZE grading to pale gray/tan DIATOM CALCAREOUS OOZE in Section 3 and grading again to NANNOFOSSIL-BEARING DIATOM OOZE from Section 4 to the base of the core. Disseminated IRD occurs throughout the core, and is especially concentrated in Section 1, 10-80 cm, Section 3, 145-150 cm, Section 4, 0-50 cm, and Section 6, 88-127 cm. The core is highly laminated from Section 4, 110 cm to Section 6, 90 cm.
Diatom ooze (~87%) with 9% mud and 4% radiolarians
Diatom calcareous ooze (~40% diatoms/8% foraminifers/47% nannofossils) with 5% mud
Nannofossil-bearing diatom ooze (~20/79%) 1% radiolarian

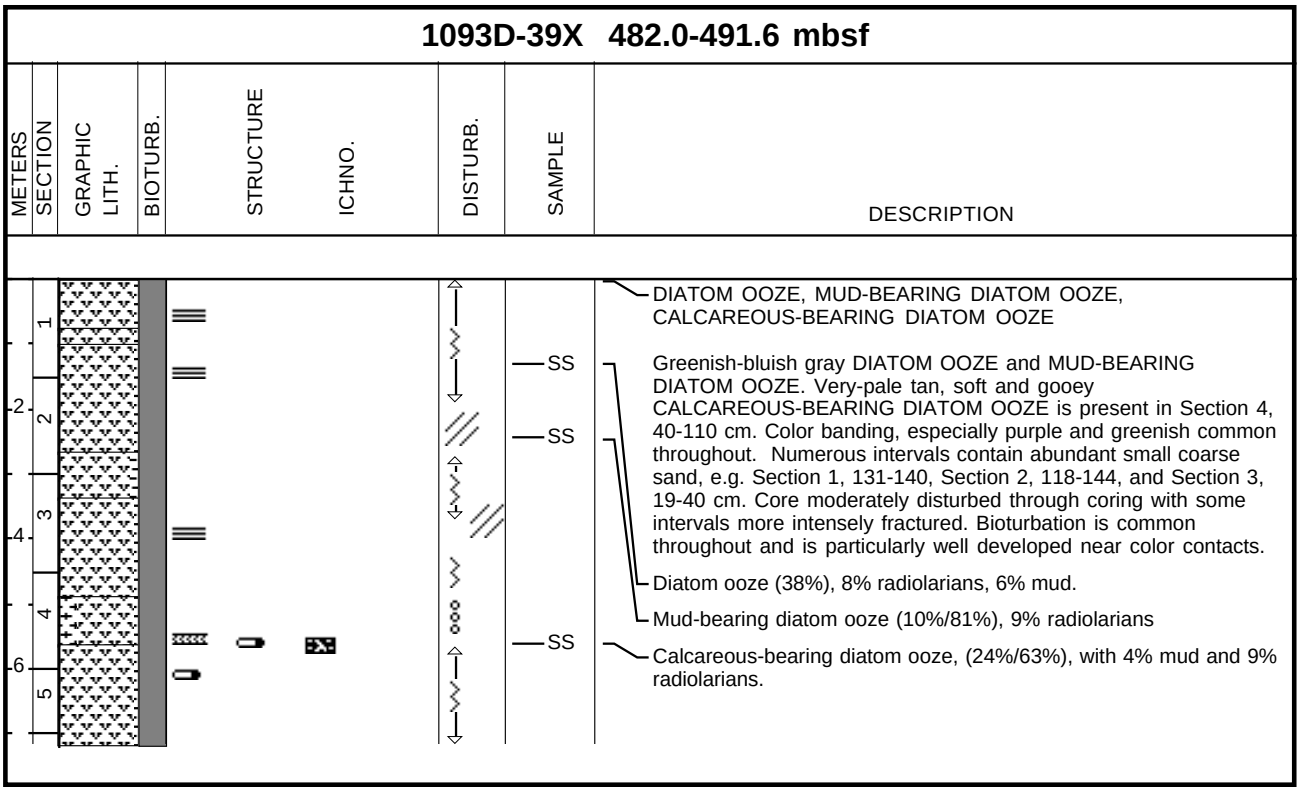
Core Photo


1093D-37X 462.9-472.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
CALCAREOUS DIATOM OOZE
Medium bluish-greenish gray CALCAREOUS DIATOM OOZE, with IRD distributed throughout, particularly concentrated in darker intervals. Mottling and color banding occur, particularly in Sections 1 (121-132 cm), 3 (106-126 cm), and 6 (87-96 cm). Laminae are present in Section 3, 0-60 cm. Bioturbation is present and particularly visible at color contacts, with Planolites abundant.
Radiolarian-bearing diatom ooze (~15/79%) with 6% mud
Calcareous-bearing diatom ooze (~5% foraminifers/15% nannofossils/70% diatoms) with 5% radiolarians and 5% mud
Nannofossil diatom ooze (~36/56%) with 4% foraminifers, 2% mud, and 2% radiolarians

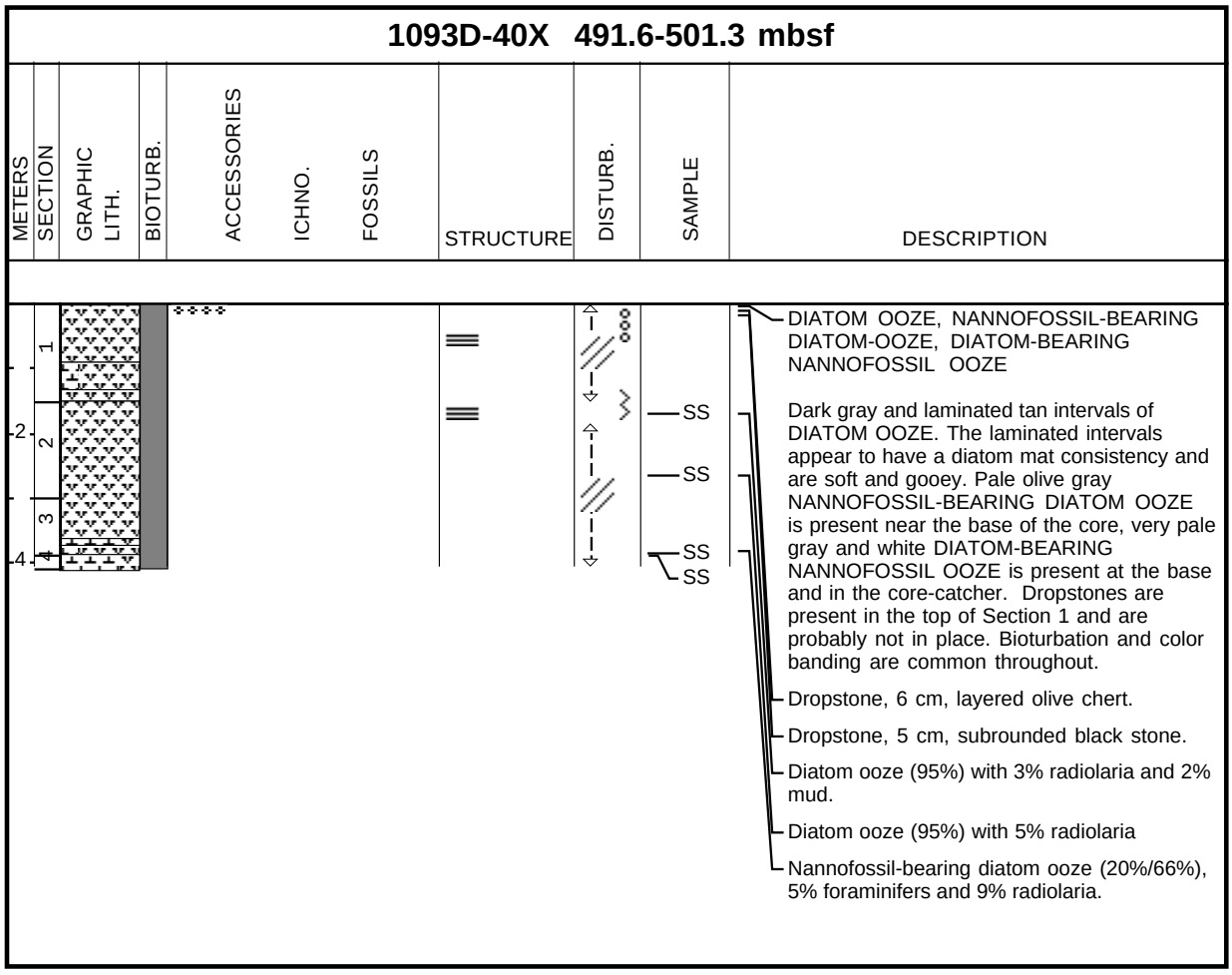
Core Photo


1093D-38X 472.5-482.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
DISTURB.
SAMPLE
DESCRIPTION
DIATOM OOZE
Tan and green laminated DIATOM OOZE, with common small IRD and dropstones. Section 1 is poorly recovered, and the rest of the core is bisquited and fractured. Core is highly mottled. Green and purple color layering is present. Zoophycus ichnofossil present.
SS
Diatom ooze (~90%) with 8% radiolarians and 2% mud
SS
Diatom ooze (~93%) with 5% radiolarians and 2% mud
SS
Minor lithology: Diatom nannofossil ooze (~30/57%) with 5% mud, 5% foraminifers, 2% radiolarians, and 1% sponge spicules

Core Photo

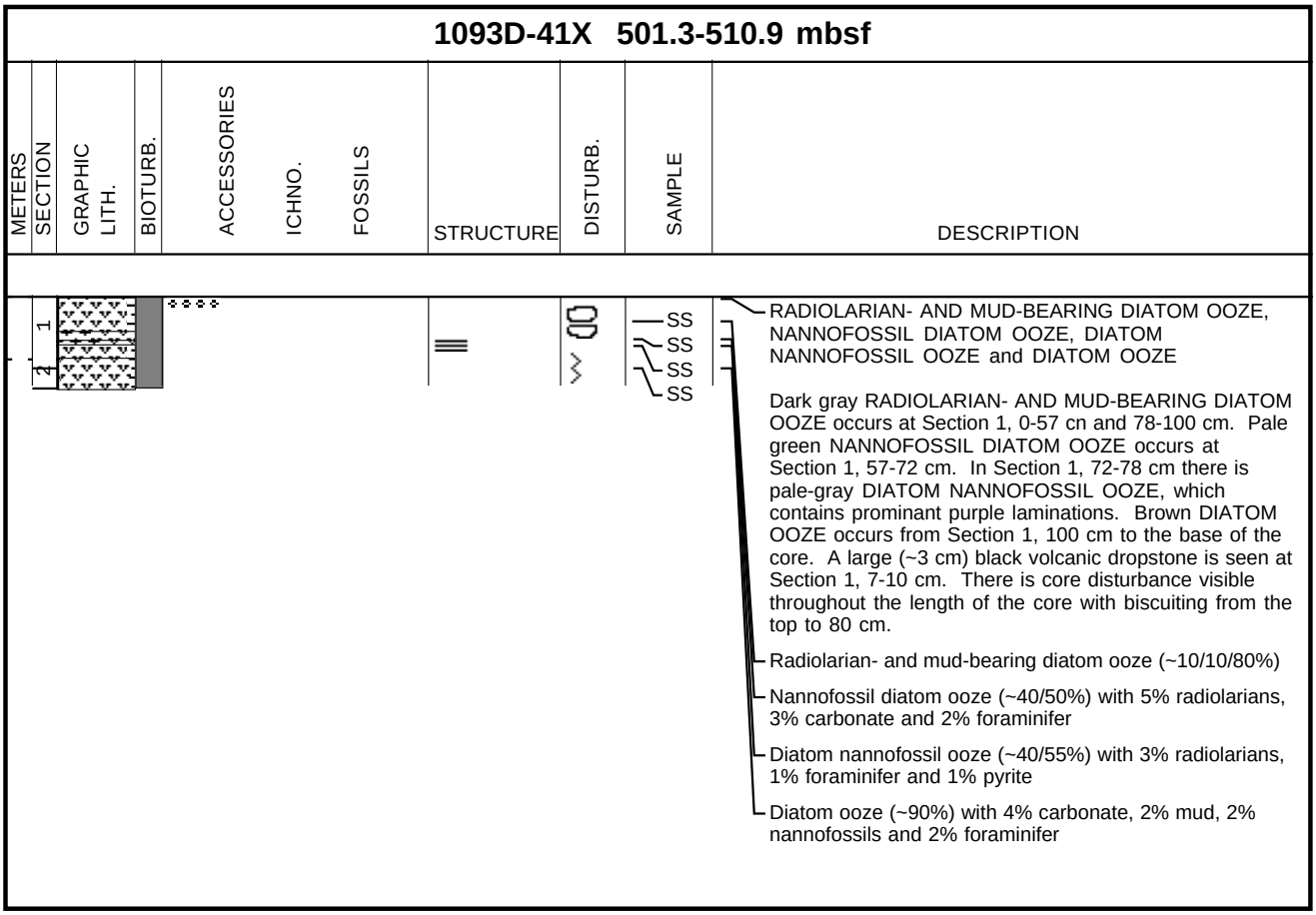

1093D-39X 482.0-491.6 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ICHNO.
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
DIATOM OOZE, MUD-BEARING DIATOM OOZE, CALCAREOUS-BEARING DIATOM OOZE
Greenish-bluish gray DIATOM OOZE and MUD-BEARING DIATOM OOZE. Very-pale tan, soft and gooey CALCAREOUS-BEARING DIATOM OOZE is present in Section 4, 40-110 cm. Color banding, especially purple and greenish common throughout. Numerous intervals contain abundant small coarse sand, e.g. Section 1, 131-140, Section 2, 118-144, and Section 3, 19-40 cm. Core moderately disturbed through coring with some intervals more intensely fractured. Bioturbation is common throughout and is particularly well developed near color contacts.
Diatom ooze (38%), 8% radiolarians, 6% mud.
Mud-bearing diatom ooze (10%/81%), 9% radiolarians
Calcareous-bearing diatom ooze, (24%/63%), with 4% mud and 9% radiolarians.

Core Photo


1093D-40X 491.6-501.3 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
2
3
4
-2
-4
SS
SS
SS
SS
DIATOM OOZE, NANNOFOSSIL-BEARING DIATOM-OOZE, DIATOM-BEARING NANNOFOSSIL OOZE
Dark gray and laminated tan intervals of DIATOM OOZE. The laminated intervals appear to have a diatom mat consistency and are soft and gooey. Pale olive gray NANNOFOSSIL-BEARING DIATOM OOZE is present near the base of the core, very pale gray and white DIATOM-BEARING NANNOFOSSIL OOZE is present at the base and in the core-catcher. Dropstones are present in the top of Section 1 and are probably not in place. Bioturbation and color banding are common throughout.
Dropstone, 6 cm, layered olive chert.
Dropstone, 5 cm, subrounded black stone.
Diatom ooze (95%) with 3% radiolaria and 2% mud.
Diatom ooze (95%) with 5% radiolaria
Nannofossil-bearing diatom ooze (20%/66%), 5% foraminifers and 9% radiolaria.

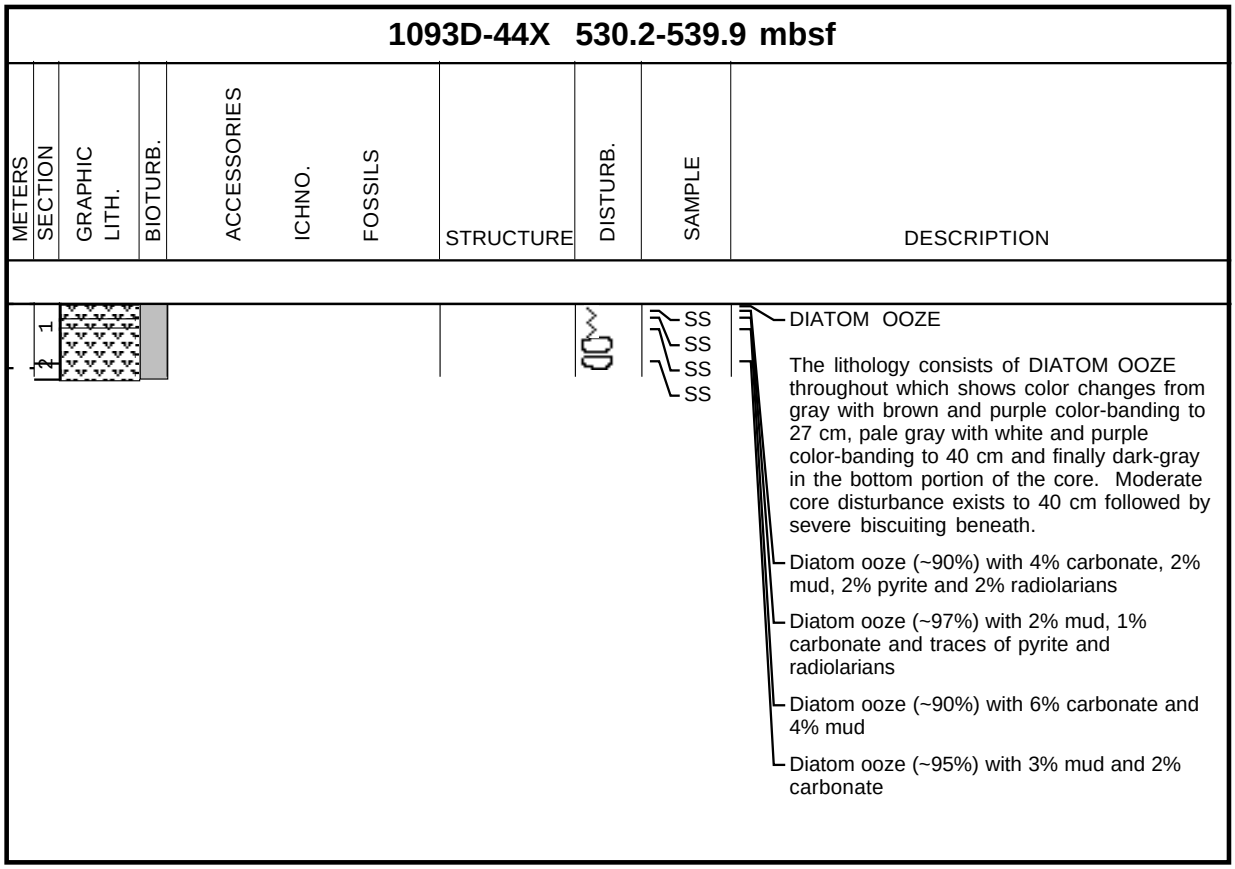
Core Photo

1093D-41X 501.3-510.9 mbsf



1093D-42X AND 1093D-43X NO RECOVERY

Core Photo


1093D-44X 530.2-539.9 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
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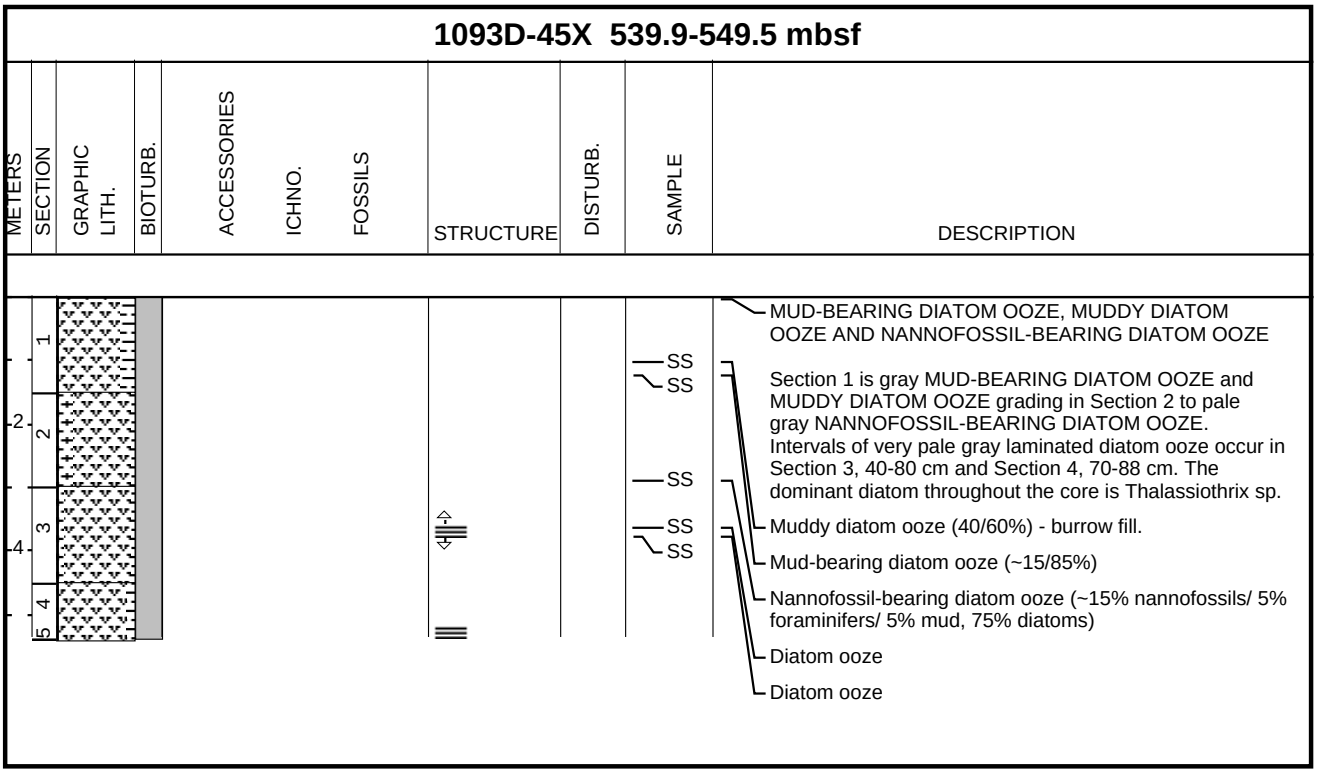
DIATOM OOZE
The lithology consists of DIATOM OOZE throughout which shows color changes from gray with brown and purple color-banding to 27 cm, pale gray with white and purple color-banding to 40 cm and finally dark-gray in the bottom portion of the core. Moderate core disturbance exists to 40 cm followed by severe biscuiting beneath.
Diatom ooze (~90%) with 4% carbonate, 2% mud, 2% pyrite and 2% radiolarians
Diatom ooze (~97%) with 2% mud, 1% carbonate and traces of pyrite and radiolarians
Diatom ooze (~90%) with 6% carbonate and 4% mud
Diatom ooze (~95%) with 3% mud and 2% carbonate

Core Photo


1093D-45X 539.9-549.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
1
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SS
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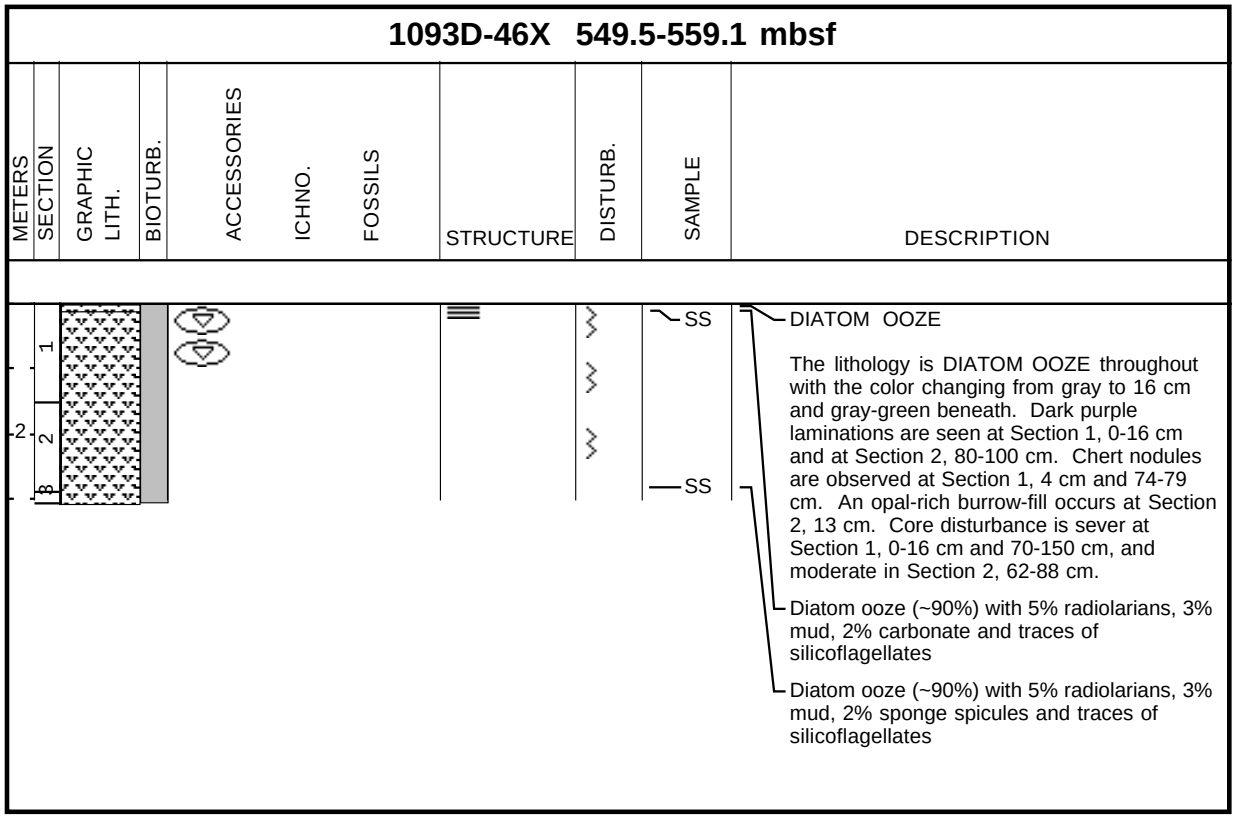
MUD-BEARING DIATOM OOZE, MUDDY DIATOM OOZE AND NANNOFOSSIL-BEARING DIATOM OOZE
Section 1 is gray MUD-BEARING DIATOM OOZE and MUDDY DIATOM OOZE grading in Section 2 to pale gray NANNOFOSSIL-BEARING DIATOM OOZE. Intervals of very pale gray laminated diatom ooze occur in Section 3, 40-80 cm and Section 4, 70-88 cm. The dominant diatom throughout the core is Thalassiothrix sp.
Muddy diatom ooze (40/60%) - burrow fill.
Mud-bearing diatom ooze (~15/85%)
Nannofossil-bearing diatom ooze (~15% nannofossils/ 5% foraminifers/ 5% mud, 75% diatoms)
Diatom ooze
Diatom ooze

Core Photo

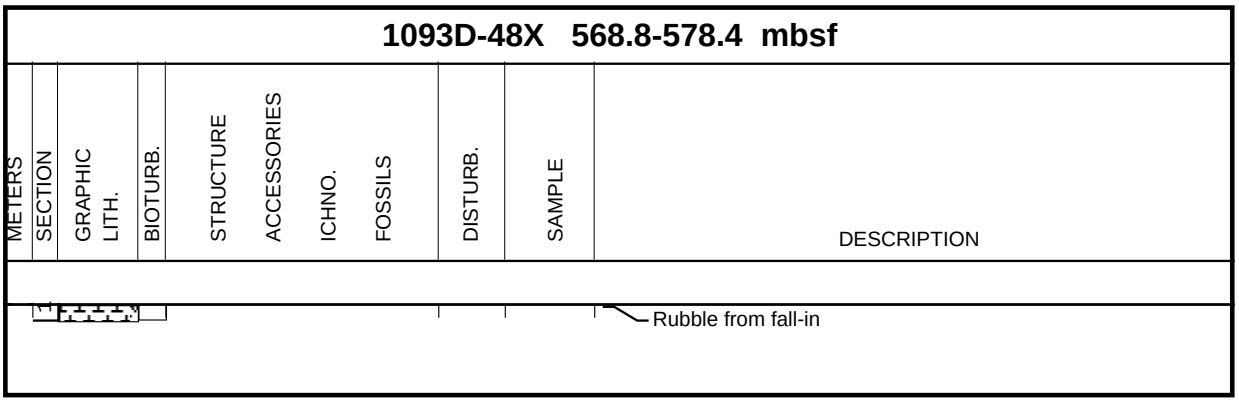

1093D-46X 549.5-559.1 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
DIATOM OOZE
The lithology is DIATOM OOZE throughout with the color changing from gray to 16 cm and gray-green beneath. Dark purple laminations are seen at Section 1, 0-16 cm and at Section 2, 80-100 cm. Chert nodules are observed at Section 1, 4 cm and 74-79 cm. An opal-rich burrow-fill occurs at Section 2, 13 cm. Core disturbance is sever at Section 1, 0-16 cm and 70-150 cm, and moderate in Section 2, 62-88 cm.
Diatom ooze (~90%) with 5% radiolarians, 3% mud, 2% carbonate and traces of silicoflagellates
Diatom ooze (~90%) with 5% radiolarians, 3% mud, 2% sponge spicules and traces of silicoflagellates

Core Photo

1093D-47X 559.1-568.8 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
	2 1								SS SS	NANNOFOSSIL-BEARING DIATOM OOZE and DIATOM OOZE The lithology consists of brown NANNOFOSSIL-BEARING DIATOM OOZE to 25 cm and gray DIATOM OOZE beneath this to the base of the core. Moderate core disturbance is seen throughout the entire core. Nannofossil-bearing diatom ooze (~80%) with 10% nannofossils, 7% carbonate, 3% foraminifer and traces of radiolarians and pyrite Diatom ooze (~90%) with 2% mud, 2% carbonate, 1% nannofossils and traces of radiolarians

Core Photo


1093D-48X 568.8-578.4 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
FOSSILS
DISTURB.
SAMPLE
DESCRIPTION
Rubble from fall-in

Core Photo

1093D-49X 578.4-588.0 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
	1									Fragments of CHERT were recovered, including one 5.8-cm fragment and numerous smaller (~1-1.5 cm) ones.

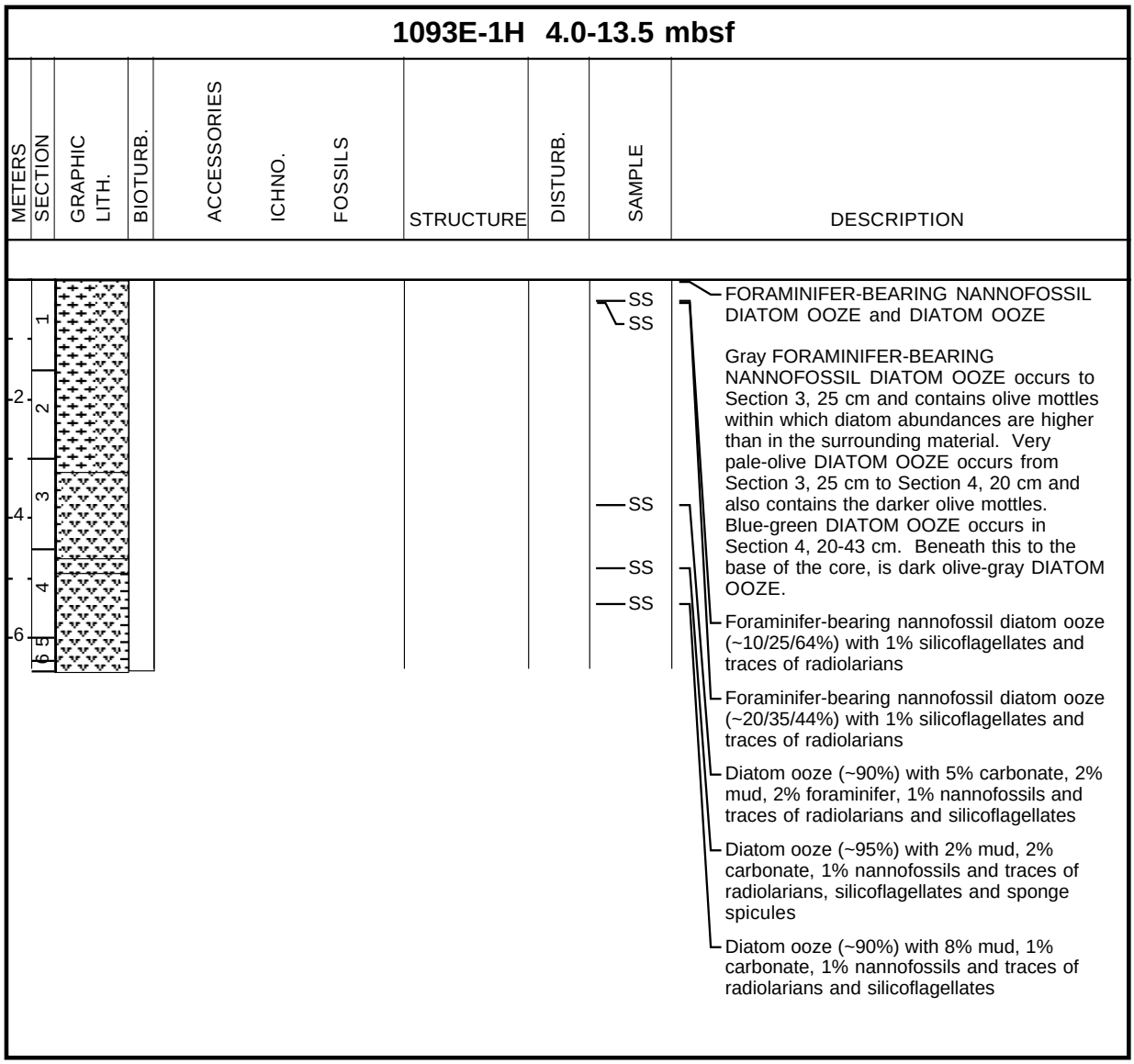
Core Photo

1093D-50X 588.0-597.7 mbsf

METERS	SECTION	GRAPHIC LITH.	BIOTURB.	ACCESSORIES	ICHNO.	FOSSILS	STRUCTURE	DISTURB.	SAMPLE	DESCRIPTION
	1									MUDSTONE

Dark-gray MUDSTONE is seen to 47 cm; dark-green in 47-53 cm and medium-gray in 53-60 cm. Despite being hard and lithified, fine laminations are still visible throughout the material.

Core Photo


1093E-1H 4.0-13.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
SS
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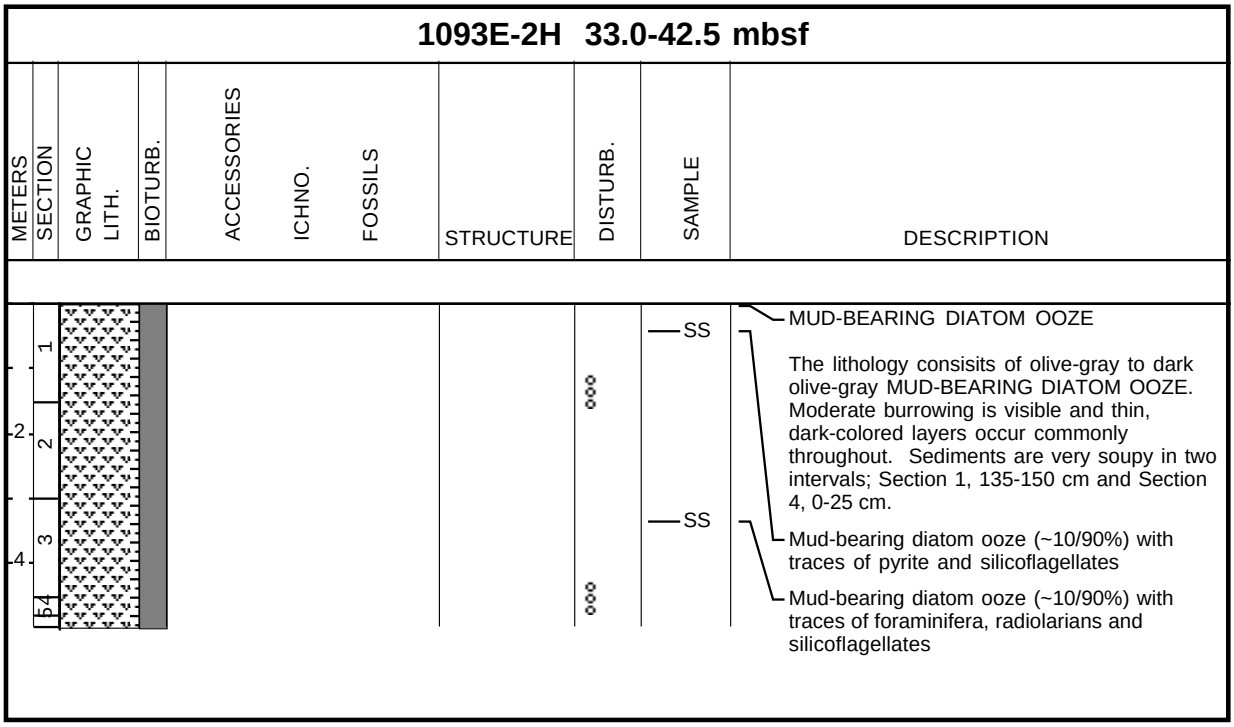
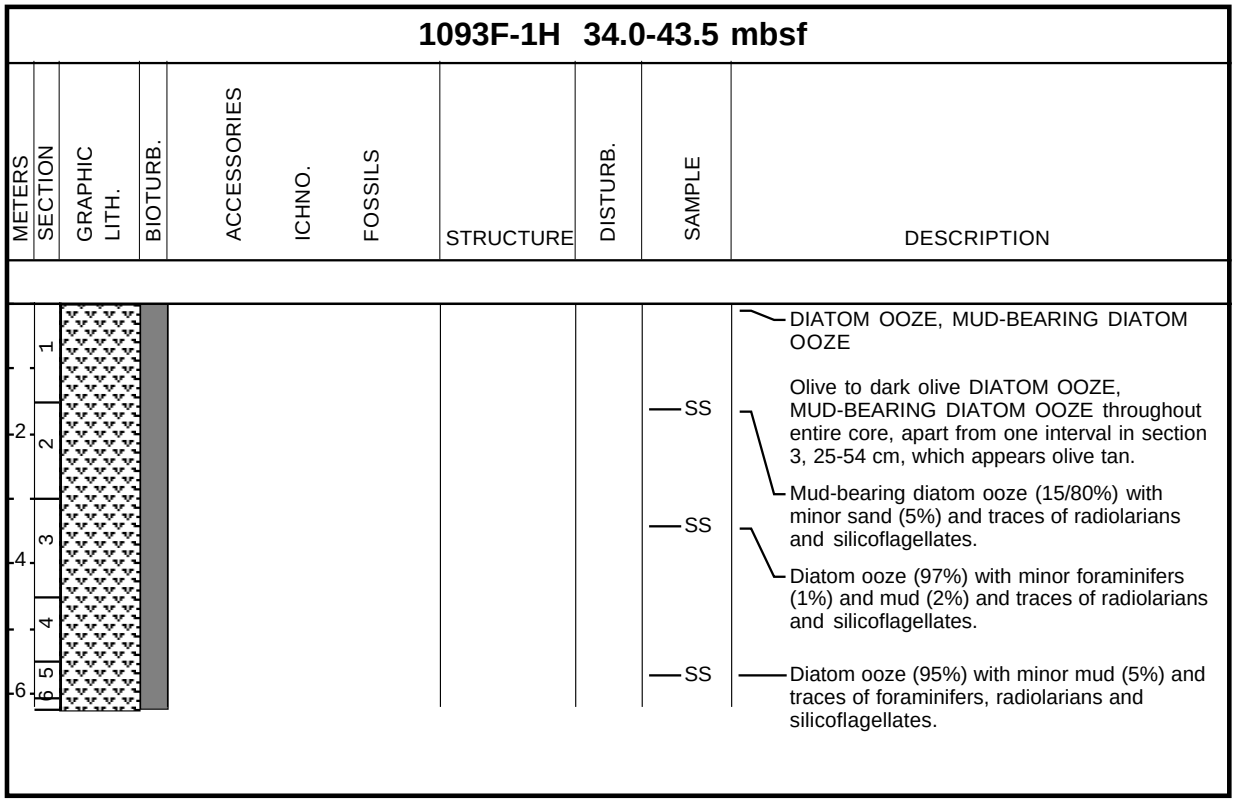
SS
FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE and DIATOM OOZE
Gray FORAMINIFER-BEARING NANNOFOSSIL DIATOM OOZE occurs to Section 3, 25 cm and contains olive mottles within which diatom abundances are higher than in the surrounding material. Very pale-olive DIATOM OOZE occurs from Section 3, 25 cm to Section 4, 20 cm and also contains the darker olive mottles. Blue-green DIATOM OOZE occurs in Section 4, 20-43 cm. Beneath this to the base of the core, is dark olive-gray DIATOM OOZE.
Foraminifer-bearing nannofossil diatom ooze (~10/25/64%) with 1% silicoflagellates and traces of radiolarians
Foraminifer-bearing nannofossil diatom ooze (~20/35/44%) with 1% silicoflagellates and traces of radiolarians
Diatom ooze (~90%) with 5% carbonate, 2% mud, 2% foraminifer, 1% nannofossils and traces of radiolarians and silicoflagellates
Diatom ooze (~95%) with 2% mud, 2% carbonate, 1% nannofossils and traces of radiolarians, silicoflagellates and sponge spicules
Diatom ooze (~90%) with 8% mud, 1% carbonate, 1% nannofossils and traces of radiolarians and silicoflagellates

Core Photo


1093E-2H 33.0-42.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
SS
SS
MUD-BEARING DIATOM OOZE
The lithology consisits of olive-gray to dark olive-gray MUD-BEARING DIATOM OOZE. Moderate burrowing is visible and thin, dark-colored layers occur commonly throughout. Sediments are very soupy in two intervals; Section 1, 135-150 cm and Section 4, 0-25 cm.
Mud-bearing diatom ooze (~10/90%) with traces of pyrite and silicoflagellates
Mud-bearing diatom ooze (~10/90%) with traces of foraminifera, radiolarians and silicoflagellates

Core Photo


1093F-1H 34.0-43.5 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
ACCESSORIES
ICHNO.
FOSSILS
STRUCTURE
DISTURB.
SAMPLE
DESCRIPTION
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-4
-6
SS
SS
SS
DIATOM OOZE, MUD-BEARING DIATOM OOZE
Olive to dark olive DIATOM OOZE, MUD-BEARING DIATOM OOZE throughout entire core, apart from one interval in section 3, 25-54 cm, which appears olive tan.
Mud-bearing diatom ooze (15/80%) with minor sand (5%) and traces of radiolarians and silicoflagellates.
Diatom ooze (97%) with minor foraminifers (1%) and mud (2%) and traces of radiolarians and silicoflagellates.
Diatom ooze (95%) with minor mud (5%) and traces of foraminifers, radiolarians and silicoflagellates.

Sample number									Size		Composition - Siliciclastic													Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1093	A	1	H	2	41	DW	x			15													15	5	10	66	2		2					85	Foraminifer- and mud-bearing diatom ooze
1093	A	1	H	5	77	DW		x		9													9			91								91	Diatom ooze
1093	A	1	H	6	78	DW	x			9													9	2	5	84								91	Diatom ooze
1093	A	2	H	6	20	DW	x			10													10	3	9	78								90	Mud-bearing diatom ooze
1093	A	2	H	7	30	DW	x			10													10			87	3							90	Mud-bearing diatom ooze
1093	A	3	H	4	44	DW		x		10													10	1	5	83	1							90	Mud-bearing diatom ooze
1093	A	3	H	2	110	DW	x			5													5	1	10	83	1							95	Foraminifer-bearing diatom ooze
1093	A	4	H	2	70	DW	x			5													5	30	10	55								95	Calcareous diatom ooze
1093	A	4	H	5	70	WH	x			25													25			72	3							75	Mud diatom ooze
1093	A	4	H	7	70	WH	x			10										5			15			85								85	Mud-bearing diatom ooze
1093	A	5	H	3	30	WH	x			5													5			93	2							95	Diatom ooze
1093	A	5	H	5	35	WH	x			2													2			94	4							98	Diatom ooze
1093	A	5	H	6	59	WH	x			9													9			88	2	1						91	Diatom ooze
1093	A	6	H	2	110	WH	x			2													2			96	1	1						98	Diatom ooze
1093	A	6	H	5	106	WH	x			5													5			93	1	1						95	Diatom ooze
1093	A	7	H	1	20	SK	x			3													3		1	95	1	t						97	Diatom ooze
1093	A	7	H	2	8	SK	x			8									1				9	1	t	90	t	t						91	Diatom ooze
1093	A	7	H	4	100	SK	x			5													5			95	t	t						95	Diatom ooze
1093	A	8	H	1	125	AK	x			9									2		1		11	3	5	80	1	t						89	Diatom ooze
1093	A	8	H	2	8	AK		x		5									1		t		6	2	3	88	1	t						94	Diatom ooze
1093	A	8	H	2	32	AK		x		1													1	35	25	39	t	t						99	Foraminifera nannofossil diatom ooze
1093	A	8	H	2	66	AK		x		3									1				4	4	10	81	1							96	Foraminifera-bearing diatom ooze
1093	A	8	H	4	43	AK		x		2									t				2			97	1	t						98	Diatom ooze
1093	A	8	H	5	95	AK	x			5									t				5			95	t	t	t					95	Diatom ooze
1093	A	9	H	1	20	SK		x		9													9			90	1	t						91	Diatom ooze
1093	A	9	H	4	64	SK	x			5													5			95	t	t						95	Diatom ooze
1093	A	9	H	6	130	SK	x			5													5			95	t	t						95	Diatom ooze
1093	A	10	H	1	70	BD	x			3													3			97	t	t						97	Diatom ooze
1093	A	10	H	5	50	BD	x			5											2		7			92	1	t						93	Diatom ooze
1093	A	10	H	6	120	BD	x			4													4		10	86								96	Foraminifera-bearing diatom ooze
1093	A	11	H	1	50	SK	x			5													5	22	2	70	1	t						95	Nannofossil-bearing diatom ooze
1093	A	11	H	1	115	SK		x															0	25	15	60								100	Foraminifera-bearing nannofossil diatom ooze
1093	A	11	H	2	45	SK	x			9									1				10	9	1	80	t	t						90	Diatom ooze
1093	A	11	H	2	130	SK	x			15											t		15			85	t							85	Mud-bearing diatom ooze
1093	A	11	H	3	117	SK	x			5									t				5			95	t							95	Diatom ooze
1093	A	11	H	4	110	SK	x			9											1		10			90	t							90	Diatom ooze
1093	A	12	H	2	100	GF	x			4													4			93	1		2					96	Diatom ooze
1093	A	12	H	4	90	DW	x			3													3			95	1		1					97	Diatom ooze
1093	A	12	H	6	130	DW	x			4													4	37	2	55	1		1					96	Nannofossil diatom ooze
1093	A	13	H	1	40	WH	x			5													5	50	2	41	2							95	Diatom nannofossil ooze
1093	A	13	H	2	40	GF	x			2													2	15		79	2		2					98	Nannofossil-bearing diatom ooze

Sample number									Size		Composition - Siliciclastic												Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1093	A	13	H	4	40	GF	x			2													2	7		90	1						98	Diatom ooze
1093	A	13	H	5	67	GF	x			4													4	8		87	1						96	Diatom ooze
1093	A	13	H	6	23	GF	x			2													2			96	2						98	Diatom ooze
1093	A	13	H	7	20	GF	x			10													10			88	2						90	Mud-bearing diatom ooze
1093	A	14	H	1	60	WH	x			8													8			88	4						92	Diatom ooze
1093	A	14	H	2	110	WH	x			5													5			89	5	1					95	Diatom ooze
1093	A	14	H	3	45	WH	x			9													9		20	62	8	1					91	Foraminifer diatom ooze
1093	A	14	H	5	50	WH	x			5													5			85	5	5					95	Diatom ooze
1093	A	15	H	2	90	GF	x			6													6			88	4	2					94	Diatom ooze
1093	A	15	H	7	55	GF	x			3													3			90	6	1					97	Diatom ooze
1093	A	16	H	2	40	SK	x			4									1				5		t	95	t	t	t				95	Diatom ooze
1093	A	16	H	4	15	SK	x			5									1				6	2	1	90	1	t					94	Diatom ooze
1093	A	16	H	6	20	SK	x			10													10			90	t	t					90	Mud-bearing diatom ooze
1093	A	17	H	2	120	BD	x			3											t		3			97		t					97	Diatom ooze
1093	A	17	H	4	15	BD	x			2													2	3	35	60							98	Diatom foraminifera ooze
1093	A	17	H	6	60	BD	x			3													3	1	10	86	t	t					97	Foraminifera-bearing diatom ooze
1093	A	17	H	6	125	BD	x			2													2	2	25	71	t						98	Foraminifera diatom ooze
1093	A	17	H	7	20	BD	x		2	10													12			88	t	t					88	Mud-bearing diatom ooze
1093	A	18	H	1	10	SK	x			13									2				15		t	85	t	t					85	Mud-bearing diatom ooze
1093	A	18	H	1	121	SK	x			10									2				12	1	2	85							88	Mud-bearing diatom ooze
1093	A	18	H	3	85	SK		x		15													15			85	t	t					85	Mud-bearing diatom ooze
1093	A	18	H	3	136	SK	x			10									7				17		3	80	t	t					83	Mud-bearing diatom ooze
1093	A	18	H	5	95	SK	x			5													5	20	10	65							95	Foraminifera- and nannofossil-bearing diatom ooze
1093	A	18	H	6	125	SK		x		13									5				18	7	10	65		t					82	Foraminifera- and mud-bearing diatom ooze
1093	A	19	H	2	40	SOC	x			5													5	2	90	2	1						95	Diatom ooze
1093	A	19	H	2	60	DW	x			20	c	p								1			21	1		76	1		1				79	Mud-bearing diatom ooze
1093	A	19	H	3	20	SOC	x			10	p												10	5		84	1	t					90	Mud-bearing diatom ooze
1093	A	20	H	4	90	GF	x			3													3	15	10	70			2				97	Calcareous diatom ooze
1093	A	20	H	5	90	GF	x			10											1		11			86	2		1				89	Mud-bearing diatom ooze
1093	A	21	H	4	130	WH	x			10													10			85	5	t					90	Calcareous diatom ooze
1093	A	21	H	2	130	WH		x		2													2	25	15	56	2	t					98	Calcareous diatom ooze
1093	A	22	H	1	106	SK	x			9									5				14	15	15	55	t	1					86	Foraminifera- and nannofossil-bearing diatom ooze
1093	A	22	H	3	100	SK	x			5									5				10	25	20	44	1	t					90	Foraminifera-bearing nannofossil diatom ooze
1093	A	22	H	4	55	SK	x			11													11			87	2	t					89	Mud-bearing diatom ooze
1093	A	22	H	7	50	SK	x			7									8				15	t	10	75	t	t					85	Foraminifera-bearing diatom ooze
1093	A	23	H	1	95	AK	x			3									1		t		4	t	t	96	t	t					96	Diatom ooze
1093	A	23	H	2	94	AK	x		8	20	p	p	p								1		29			70	1						71	Mud diatom ooze
1093	A	23	H	3	120	AK	x			4									1				5			95	t	t					95	Diatom ooze
1093	A	23	H	4	46	AK	x		t	5									1				6			94							94	Diatom ooze
1093	A	23	H	4	49	AK	x		15	10											t		25			75							75	Mud diatom ooze
1093	A	24	H	1	130	SK	x			5													5	20	5	68	1	1					95	Nannofossil-bearing diatom ooze

Sample number									Size		Composition - Siliciclastic													Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1093	A	24	H	2	120	SK	x			5									3				8	45	12	35	t							92	Foraminifera-bearing diatom nannofossil ooze
1093	A	24	H	3	25	SK	x		5	10											5		20			75	5	t						80	Mud-bearing diatom ooze
1093	A	24	H	5	10	SK	x			5									2				7	45	10	38								93	Foraminifera-bearing diatom nannofossil ooze
1093	A	24	H	5	80	SK	x			12									9				21	9	20	50	t	t						79	Mud- and foraminifera-bearing diatom ooze
1093	A	25	H	2	53	GF	x			2													2	t	15	83	t							98	Foraminifera-bearing diatom ooze
1093	A	25	H	3	18	GF	x			t													0	2	40	58	t	t						100	Foraminifera diatom ooze
1093	A	25	H	4	35	GF	x			t													0	1	24	75		t						100	Foraminifera-bearing diatom ooze
1093	A	25	H	6	120	GF	x			5													5			95	t	t						95	Diatom ooze
1093	A	26	H	1	60	AK	x			5									5				10	2	5	83	tr	tr						90	Diatom ooze
1093	A	26	H	3	50	AK	x			3									3				6	20	5	69	tr	tr						94	Nannofossil-bearing diatom ooze
1093	A	26	H	3	100	AK	x			5									2				7	43	10	40	tr	tr						93	Foraminifera-bearing diatom nannofossil ooze
1093	A	26	H	6	50	AK	x			3									1				4	5	2	89								96	Diatom ooze
1093	A	28	X	1	130	SK	x		1	13											1		15			85	t	t						85	Mud-bearing diatom ooze
1093	A	28	X	2	140	SK	x			5									3				8	10	7	75	t	t						92	Nannofossil-bearing diatom ooze
1093	A	28	X	4	60	SK	x			5									9				14	25	15	45	1							86	Foraminifera-bearing nannofossil diatom ooze
1093	A	29	X	3	10	DW	x			4						t							4	15	20	60	1							96	Calcareous diatom ooze
1093	A	30	X	2	80	DW	x			5													5	20	20	53	1		1					95	Calcareous diatom ooze
1093	B	1	H	2	17	DW	x			5							t						5	1		91	1	t	2					95	Diatom ooze
1093	B	1	H	2	90	DW	x			8													8	10	5	74	1	t	2					92	Calcareous-bearing diatom ooze
1093	B	1	H	4	70	DW	x			9						t							9	t		87	2		2					91	Diatom ooze
1093	B	2	H	2	80	WH	x			4													4		15	81								96	Foraminifera-bearing diatom ooze
1093	B	2	H	2	126	DW	x			9						t							9	4	20	65	1	p	1					91	Calcareous-bearing diatom ooze
1093	B	3	H	2	80	WH	x			4													4		9	84	2	1						96	Diatom ooze
1093	B	3	H	3	60	WH	x			5													5		5	86	2	2						95	Diatom ooze
1093	B	3	H	4	67	WH		x		2													2	30	20	44	4							98	Diatom calcareous ooze
1093	B	4	H	2	70	DW	x			48													48			50	1	t	1					52	Mud diatom ooze
1093	B	5	H	2	56	DW	x			9					t								9	4	20	65	1	p	1					91	Calcareous-bearing diatom ooze
1093	B	5	H	4	70	DW	x			10					t					1			11		1	85	1	t	2					89	Mud-bearing diatom ooze
1093	B	6	H	1	40	SK		x		10									1		4		15		2	80	3	t						85	Mud-bearing diatom ooze
1093	B	6	H	2	100	SK	x			9									4				13	1	t	85	1	t						87	Diatom ooze
1093	B	6	H	5	130	SK	x			9													9			90	1	t						91	Diatom ooze
1093	B	7	H	2	70	BD	x			3													3		5	92	t	t						97	Diatom ooze
1093	B	7	H	4	40	BD	x			1													1	2	15	82	t	t						99	Foraminifera-bearing diatom ooze
1093	B	7	H	4	140	BD	x			1													1	5	12	82	t	t						99	Foraminifera-bearing diatom ooze
1093	B	7	H	5	62	BD	x			t													0	20	45	35								100	Nannofossil-bearing diatom foraminifera ooze
1093	B	7	H	5	73	BD	x			1													1	5	15	79	t	t						99	Foraminifera-bearing diatom ooze
1093	B	7	H	7	20	BD	x			5													5		t	95	t	t						95	Diatom ooze
1093	B	8	H	3	60	SK	x			9													9			91	t	t						91	Diatom ooze
1093	B	8	H	4	40	SK	x			5													5			95	t	t						95	Diatom ooze
1093	B	8	H	6	50	SK	x			5													5			95	t	t						95	Diatom ooze
1093	B	9	H	3	30	SK	x			1													1			99	t	t						99	Diatom ooze

Sample number									Size		Composition - Siliciclastic													Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1093	B	9	H	7	15	SK	x			5											GL		5			95	t	t						95	Diatom ooze
1093	B	10	H	2	20	BD	x			2													2	t	5	93	t	t						98	Diatom ooze
1093	B	10	H	3	20	BD	x			1													1	t	40	59	t	t						99	Foraminifera diatom ooze
1093	B	10	H	4	23	BD	x			1													1		20	79	t							99	Foraminifera-bearing diatom ooze
1093	B	10	H	5	5	BD	x			1													1	t	40	59	t	t						99	Foraminifera diatom ooze
1093	B	10	H	5	37	BD	x			1													1		15	84								99	Foraminifera-bearing diatom ooze
1093	B	10	H	6	6	BD	x			10											GL		10			90		t						90	Mud-bearing diatom ooze
1093	B	10	H	6	114	BD	x			4													4			96	t	t						96	Diatom ooze
1093	B	11	H	1	50	SK	x			7													7	8		85	t							93	Diatom ooze
1093	B	11	H	3	110	SK	x			6													6	4		85	5	t						94	Diatom ooze
1093	B	11	H	5	30	SK	x			3													3			97		t						97	Diatom ooze
1093	B	12	H	2	100	DW	x			5													5	24	5	62	1	2	1					95	Calcareous diatom ooze
1093	B	12	H	3	146	WH	x			5													5	22	10	56	5	2						95	Calcareous diatom ooze
1093	B	13	H	1	100	DW	x			4													4	40	5	50	1							96	Nannofossil diatom ooze
1093	B	13	H	3	90	DW	x			25													25	5		66	2		2					75	Mud diatom ooze
1093	B	13	H	5	100	DW	x			12													12	21	1	63	2		1					88	Mud- and nannofossil-bearing diatom ooze
1093	B	14	H	2	100	WH	x			3													3			96		1						97	Diatom ooze
1093	B	14	H	1	100	DW	x			3													3		3	92	1	1						97	Diatom ooze
1093	B	14	H	5	60	DW	x			3													3			95	1		1					97	Diatom ooze
1093	B	14	H	6	120	DW	x			2													2			96	1		1					98	Diatom ooze
1093	B	15	H	2	60	GF	x			5													5			92	2	1						95	Diatom ooze
1093	B	15	H	6	60	GF	x			5													5		2	89	3	1						95	Diatom ooze
1093	B	16	H	2	124	GF	x			4													4			94	2							96	Diatom ooze
1093	B	16	H	6	83	GF	x			10													10			88	2							90	Mud-bearing diatom ooze
1093	B	17	H	3	100	SK	x			13									1				14		1	85		t						86	Mud-bearing diatom ooze
1093	B	17	H	6	36	SK	x			18									2				20		t	80	t	t						80	Mud-bearing diatom ooze
1093	B	18	H	1	115	SK	x			8									2				10	t	10	80	t	t						90	Foraminifera-bearing diatom ooze
1093	B	18	H	4	60	SK	x			3													3			97								97	Diatom ooze
1093	B	19	H	1	37	BD	x			3													3			97	t							97	Diatom ooze
1093	B	19	H	2	40	BD	x			1													1		10	89	t	t						99	Foraminifera-bearing diatom ooze
1093	B	19	H	4	85	BD	x			2													2		20	78		t						98	Foraminifera-bearing diatom ooze
1093	B	19	H	5	118	BD	x			1													1	2	22	75								99	Foraminifera-bearing diatom ooze
1093	B	20	H	1	85	SK	x			5									5				10		10	80	t							90	Foraminifera-bearing diatom ooze
1093	B	20	H	2	70	SK	x			10													10			90	t							90	Mud-bearing diatom ooze
1093	B	20	H	3	90	SK	x			9									5				14			85	1	t						86	Diatom ooze
1093	B	20	H	5	90	SK	x			3													3	15	10	72	t	t						97	Foraminifera- and nannofossil-bearing diatom ooze
1093	B	20	H	6	75	SK	x												2				2	34	25	37	2	t						98	Foraminifera nannofossil diatom ooze
1093	B	21	H	2	33	BD	x			1													1	7	24	68	t	t						99	Foraminifera-bearing diatom ooze
1093	B	21	H	2	130	BD	x			3													3	t	15	82	t							97	Foraminifera-bearing diatom ooze
1093	B	21	H	4	20	BD	x			t													0	5	40	55	t	t						100	Foraminifera diatom ooze
1093	B	21	H	4	110	BD	x			t													0	3	30	67	t							100	Foraminifera diatom ooze

Sample number									Size		Composition - Siliciclastic													Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1093	B	21	H	6	50	BD	x		5	15												GL	20			80	t	t						80	Mud-bearing diatom ooze
1093	B	22	H	1	70	SK	x			15													15			85								85	Mud-bearing diatom ooze
1093	B	22	H	2	110	SK	x			10									5				15	t	5	80	t	t						85	Mud-bearing diatom ooze
1093	B	22	H	6	35	SK	x			18									2				20			80		t						80	Mud-bearing diatom ooze
1093	B	23	H	1	87	DW	x			9	p	p											9	10	15	63	2		1					91	Calcareous diatom ooze
1093	B	23	H	5	72	DW	x			10	p	p											10	2		85	2		1					90	Mud-bearing diatom ooze
1093	B	23	H	6	17	DW	x			2													2	7	2	87	1	t	1					98	Diatom ooze
1093	B	24	H	1	130	DW	x			11													11	5	20	60	2	t	2					89	Calcareous diatom ooze
1093	B	24	H	2	130	DW	x			9													9	10	10	69	1	t	1					91	Calcareous diatom ooze
1093	C	1	H	1	40	BD	x			t													0	5	20	75	t	t						100	Foraminifera-bearing diatom ooze
1093	C	1	H	2	35	BD	x			5													5		t	95	t	t						95	Diatom ooze
1093	C	1	H	3	50	BD	x			15													15			85	t	t						85	Mud-bearing diatom ooze
1093	C	1	H	5	26	BD	x			20													20		t	80	t	t						80	Mud-bearing diatom ooze
1093	C	2	H	1	20	SK	x		2	7													9			90	1	t						91	Diatom ooze
1093	C	2	H	2	30	SK	x			5									9				14		10	75	1	t						86	Foraminifera-bearing diatom ooze
1093	C	2	H	3	5	SK	x			t													0	25	10	65		t						100	Foraminifera-bearing nannofossil diatom ooze
1093	C	2	H	4	9	SK	x			2									2				4		15	80	t	1						96	Foraminifera-bearing diatom ooze
1093	C	3	H	2	10	SK	x			2									8				10	5	20	64	1	t						90	Foraminifera-bearing diatom ooze
1093	C	3	H	2	90	SK	x																0	10	30	58	2	t						100	Nannofossil-bearing foraminifera diatom ooze
1093	C	3	H	3	90	SK	x												3				3	30	20	45	2							97	Foraminifera-bearing nannofossil diatom ooze
1093	C	3	H	5	145	SK	x			5													5			95	t	t						95	Diatom ooze
1093	C	4	H	1	60	WH	x			8													8			89	2	1						92	Diatom ooze
1093	C	4	H	5	70	WH	x			2													2			92	4	2						98	Diatom ooze
1093	C	5	H	1	70	DW	x			10													10			87	2		1					90	Mud-bearing diatom ooze
1093	C	5	H	2	80	DW	x			4													4			93	1	p	2					96	Diatom ooze
1093	C	6	H	2	37	SOC	x			5													5	5	8	80	1	p	1					95	Calcareous-bearing diatom ooze
1093	C	6	H	4	60	SOC	x		t	5													5	1	1	91	2							95	Diatom ooze
1093	C	7	H	2	100	WH	x			4													4	5	10	80	1							96	Calcareous-bearing diatom ooze
1093	C	7	H	4	100	WH	x			2													2	35	15	47	1							98	Diatom calcareous ooze
1093	C	7	H	5	100	WH	x			3													3			93	4							97	Diatom ooze
1093	C	8	H	1	40	WH	x			2													2			88	8	2						98	Diatom ooze
1093	C	8	H	5	40	WH	x			2													2			93	5							98	Diatom ooze
1093	C	9	H	2	120	SK	x			2													2			98	t	t						98	Diatom ooze
1093	C	9	H	6	70	SK	x			2													2			95	3	t						98	Diatom ooze
1093	C	10	H	1	122	SK	x			8									7		t		15	1	3	80	t	1						85	Diatom ooze
1093	C	10	H	3	100	SK	x																0	45	30	25								100	Diatom foraminifera nannofossil ooze
1093	C	10	H	4	20	SK	x			9									5		t		14		1	85	t	t						86	Diatom ooze
1093	C	10	H	4	140	SK	x			1									1		1		3		t	97		t						97	Diatom ooze
1093	C	11	H	1	95	AK	x			10											t		10			90	t	t						90	Mud-bearing diatom ooze
1093	C	11	H	3	119	AK	x			3											t		3			97	t	t						97	Diatom ooze
1093	C	11	H	5	67	AK	x		2	8											t		10			90	t	t						90	Mud-bearing diatom ooze

Sample number									Size		Composition - Siliciclastic												Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1093	C	12	H	1	97	SK	x																0	65	10	25	t	t						100	Foraminifera-bearing diatom nannofossil ooze
1093	C	12	H	3	80	SK	x																0	50	10	40	t	t						100	Foraminifera-bearing diatom nannofossil ooze
1093	C	12	H	5	130	SK	x												4				4	25	6	65	t	t						96	Nannofossil diatom ooze
1093	C	13	H	2	20	SK	x		1	3											1		5			95	t							95	Diatom ooze
1093	C	14	H	2	136	BD	x			7													7		3	90	t	t						93	Diatom ooze
1093	C	14	H	4	124	BD	x			9													9		1	90	t	t						91	Diatom ooze
1093	C	15	H	1	135	SK	x			2											t		2			98	t	t						98	Diatom ooze
1093	C	15	H	2	10	SK	x			2													2			98	t	t						98	Diatom ooze
1093	C	15	H	4	60	SK	x			t									5				5	20	t	75	t	t						95	Nannofossil-bearing diatom ooze
1093	C	16	H	1	75	SK	x			7									8				15	2	2	80	1	t	t					85	Diatom ooze
1093	C	16	H	1	114	SK		x		3													3			95	2	t						97	Diatom ooze
1093	C	16	H	2	125	SK	x			5									9				14		1	80	5	t						86	Diatom ooze
1093	C	17	H	2	20	BD	x			2													2		15	83	t	t						98	Foraminifera-bearing diatom ooze
1093	C	18	H	1	25	WH	x			2													2	2	10	82	2	2						98	Foraminifera-bearing diatom ooze
1093	C	18	H	2	50	WH	x			2													2			94	2	2						98	Diatom ooze
1093	D	1	H	2	106	WH	x			2													2		2	92	4							98	Diatom ooze
1093	D	1	H	5	84	WH		x		2													2	20	10	67	1							98	Calcareous-bearing diatom ooze
1093	D	2	H	1	120	WH	x			5													5	6	5	82	2							95	Diatom ooze
1093	D	3	H	2	50	WH	x			4													4	5	8	81	2							96	Calcareous-bearing diatom ooze
1093	D	4	H	3	80	WH	x			2													2	5	15	76	2							98	Foraminifera-bearing diatom ooze
1093	D	4	H	5	80	WH	x			2										1			3			96	1							97	Diatom ooze
1093	D	4	H	6	80	WH	x			2													2			98								98	Diatom ooze
1093	D	5	H	4	80	WH	x																0	10	10	78		2						100	Calcareous-bearing diatom ooze
1093	D	5	H	1	70	WH	x			2													2			94	4							98	Diatom ooze
1093	D	6	H	2	20	GF	x			5													5			93	2							95	Diatom ooze
1093	D	6	H	3	80	GF	x			5													5			92	3							95	Diatom ooze
1093	D	10	H	2	15	SK	x			9									1		t		10			90	t							90	Diatom ooze
1093	D	10	H	2	100	SK		x											9				9	5	26	60	t							91	Foraminifera-bearing diatom ooze
1093	D	10	H	3	45	SK	x			t									5				5	9	1	85	t							95	Diatom ooze
1093	D	10	H	3	145	SK	x																0	40	10	50	t	t						100	Foraminifera-bearing nannofossil diatom ooze
1093	D	11	H	1	63	AK	x		3	9											t		12			88	t	t						88	Mud-bearing diatom ooze
1093	D	11	H	2	96	AK	x			7									4				11	5	10	74	t	t						89	Foraminifera-bearing diatom ooze
1093	D	11	H	3	18	AK	x			3									5				8	5	15	72	t	t						92	Foraminifera-bearing diatom ooze
1093	D	11	H	4	100	AK		x		2									5				7	25	10	58	t	t						93	Foraminifera-bearing nannofossil diatom ooze
1093	D	11	H	5	36	AK	x			1									3				4	7	7	82	t	t						96	Foraminifera-bearing diatom ooze
1093	D	12	H	2	100	SK		x		1													1	25	14	60	t	t						99	Foraminifera-bearing nannofossil diatom ooze
1093	D	12	H	2	130	SK	x			7									8				15		35	50	t	t						85	Foraminifera diatom ooze
1093	D	12	H	3	100	SK	x			5									5				10		10	80		t						90	Foraminifera-bearing diatom ooze
1093	D	13	H	1	130	SK	x			2									2		t		4		1	95	t							96	Diatom ooze
1093	D	13	H	3	65	SK	x			6									9		t		15		t	85	t							85	Diatom ooze
1093	D	13	H	4	46	SK	x			6									9				15	9	20	55	1							85	Foraminifera-bearing diatom ooze

Sample number									Size		Composition - Siliciclastic												Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1093	D	13	H	4	85	SK	x			5									9				14		20	65	1							86	Foraminifera-bearing diatom ooze
1093	D	14	H	1	25	SK	x																0	5	40	55	t							100	Foraminifera diatom ooze
1093	D	15	H	1	25	SK	x												9				9	3	3	85								91	Diatom ooze
1093	D	15	H	1	105	SK	x												9				9	6	5	80								91	Diatom ooze
1093	D	17	H	1	23	SK	x												9				9	1	20	70	t							91	Foraminifera-bearing diatom ooze
1093	D	22	H	1	100	SK	x			t									7		1		8	1	1	90								92	Diatom ooze
1093	D	27	X	1	80	AK	x			8									8				16	5	10	69	t	t						84	Foraminifera-bearing diatom ooze
1093	D	27	X	2	40	AK	x			5									5				10	25	10	55	t	t						90	Foraminifera-bearing nannofossil diatom ooze
1093	D	27	X	3	131	AK	x			3									5				8	30	25	37	t	t						92	Foraminifera nannofossil diatom ooze
1093	D	27	X	4	33	AK	x			8									5				13	10	10	67	t	t						87	Foraminifera- and nannofossil-bearing diatom ooze
1093	D	28	X	1	25	SK	x																0	50	10	40		t						100	Foraminifera-bearing nannofossil diatom ooze
1093	D	28	X	1	95	SK	x		4	5									9		1		19	2	30	40	9	t	t					81	Foraminifera diatom ooze
1093	D	28	X	2	10	SK	x		1	1									9		2		13	6	30	50	1							87	Foraminifera diatom ooze
1093	D	30	X	1	40	SK	x		9	10											1		20	t	t	75	4		1					80	Mud-bearing diatom ooze
1093	D	30	X	2	20	SK	x			2									9				11	9	10	70	t	t						89	Foraminifera-bearing diatom ooze
1093	D	33	X	1	30	SK	x																0	50	5	45	t	t						100	Diatom nannofossil ooze
1093	D	33	X	3	60	SK	x												20		2		22	8	10	60	t	t						78	Calcareous diatom ooze
1093	D	34	X	2	60	GF	x			3													3	15	5	77								97	Carbonate-bearing diatom ooze
1093	D	34	X	3	70	GF	x			5													5	25	5	65								95	Nannofossil diatom ooze
1093	D	35	X	5	82	GF	x			2													2	30	8	50			10					98	Sponge spicule-bearing nannofossil diatom ooze
1093	D	35	X	6	106	GF	x			3													3	2		89			6					97	Diatom ooze
1093	D	36	X	2	79	WH	x			9													9			87	4							91	Diatom ooze
1093	D	36	X	3	90	WH		x		5													5	47	8	40								95	Diatom calcareous ooze
1093	D	36	X	4	127	WH	x																0	20	5	74	1							100	Nannofossil-bearing diatom ooze
1093	D	37	X	1	140	WH	x			6													6			79	15							94	Radiolarian-bearing diatom ooze
1093	D	37	X	3	21	WH	x			5													5	15	5	70	5							95	Calcareous-bearing diatom ooze
1093	D	37	X	6	12	WH	x			2													2	36	5	56	2							99	Nannofossil diatom ooze
1093	D	38	X	2	80	WH	x			2													2			90	8							98	Diatom ooze
1093	D	38	X	3	60	WH	x			2													2			93	5							98	Diatom ooze
1093	D	38	X	5	100	DW		x		5													5	59	5	30	2		1					97	Diatom nannofossil ooze
1093	D	39	X	1	122	WH	x			6													6			86	8							94	Diatom ooze
1093	D	39	X	2	80	WH	x			10													10			81	9							90	Mud-bearing diatom ooze
1093	D	39	X	4	86	WH		x		4													4	15	9	63	9							96	Calcareous-bearing diatom ooze
1093	D	40	X	2	16	WH	x			2													2			95	3							98	Diatom ooze
1093	D	40	X	2	112	WH	x																0			94	5							99	Diatom ooze
1093	D	40	X	3	87	WH		x															0	70	5	20	5							100	Diatom-bearing nannofossil ooze
1093	D	40	X	3	80	WH	x																0	20	5	66	9							100	Nannofossil-bearing diatom ooze
1093	D	41	X	1	36	SK	x			10													10			80	10							90	Radiolarian- and mud-bearing diatom ooze
1093	D	41	X	1	63	SK	x												3				3	40	2	50	5							97	Nannofossil diatom ooze
1093	D	41	X	1	76	SK	x														1		1	55	1	40	3							99	Diatom nannofossil ooze
1093	D	41	X	1	110	SK	x			2									4				6	2	2	90								94	Diatom ooze

Sample number									Size		Composition - Siliciclastic													Composition - Biogenic											Sediment or Rock Name
Site	H	Core	T	Sec	cm	Described by	Major lithology	Minor lithology	Sand (>63 µm)	Mud (<63 µm) size	Quartz	Feldspar	Clay (too fine to identify)	Mica	Rock Fragments	Volcanic Glass	Heavy Minerals	Zeolites	Carbonate	Opaque	Framboids, pyrite	Other	Total siliciclastic	Nannofossils	Foraminifers	Diatoms	Radiolarians	Silicoflagellates	Sponge Spicules	Shell debris	Fish remains	Organic matter	unidentified	Total Biogenic	
1093	D	44	X	1	7	SK	x			2									4		2		8			90	2							92	Diatom ooze
1093	D	44	X	1	19	SK	x			2									1		t		3			97	t							97	Diatom ooze
1093	D	44	X	1	37	SK	x			4									6				10			90								90	Diatom ooze
1093	D	44	X	1	86	SK	x			3									2				5			95								95	Diatom ooze
1093	D	45	X	1	98	AK		x		40													40	t		60	t	t						60	Mud diatom ooze
1093	D	45	X	1	122	AK	x			15									1				16	t		85	t	t						85	Mud-bearing diatom ooze
1093	D	45	X	2	144	AK	x			5									t				5	15	5	75	t	t						95	Mud-bearing diatom ooze
1093	D	45	X	3	61	AK		x		5									3				8	5	5	82	t	t						92	Diatom ooze
1093	D	45	X	3	63	AK	x	x		1									3				4	1		96	t	t						97	Diatom ooze
1093	D	46	X	1	8	SK	x			3									2				5			90	5	t						95	Diatom ooze
1093	D	46	X	2	130	SK	x			3													3			90	5	t	2					97	Diatom ooze
1093	D	47	X	1	18	SK	x												7		t		7	10	3	80	t							93	Nannofossil-bearing diatom ooze
1093	D	47	X	1	29	SK	x			2									2				4	1		95	t							96	Diatom ooze
1093	E	1	H	1	31	SK		x															0	25	10	64	t	1						100	Foraminifera-bearing nannofossil diatom ooze
1093	E	1	H	1	35	SK	x																0	35	20	44	t	1						100	Foraminifera-bearing nannofossil diatom ooze
1093	E	1	H	3	75	SK	x			2									5				7	1	2	90	t	t						93	Diatom ooze
1093	E	1	H	4	30	SK	x			2									2				4	1		95	t	t	t					96	Diatom ooze
1093	E	1	H	4	90	SK	x			8									1				9	1		90	t	t						91	Diatom ooze
1093	E	2	H	1	40	SK	x			10											t		10			90		t						90	Mud-bearing diatom ooze
1093	E	2	H	3	30	SK	x			10													10		t	90	t	t						90	Mud-bearing diatom ooze
1093	F	1	H	5	20	BD	x			5													5		t	95	t	t						95	Diatom ooze
1093	F	2	H	2	10	BD	x		5	15													20			80	t	t						80	Mud-bearing diatom ooze
1093	F	2	H	3	40	BD	x			2													2		1	97	t	t						98	Diatom ooze