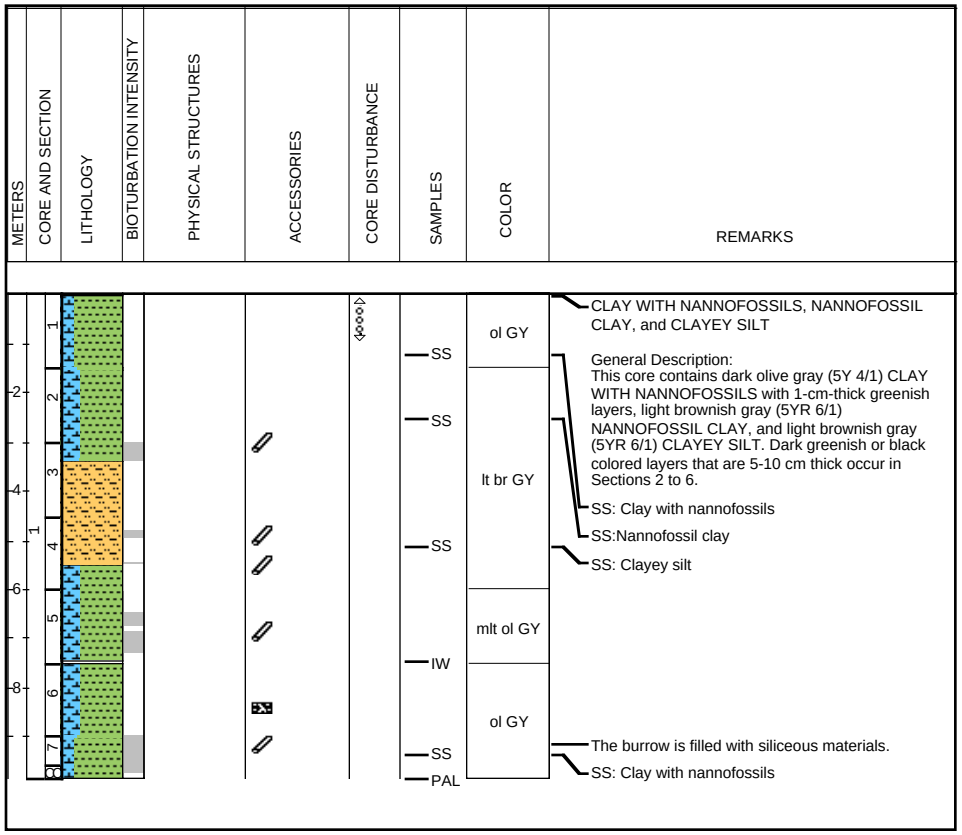
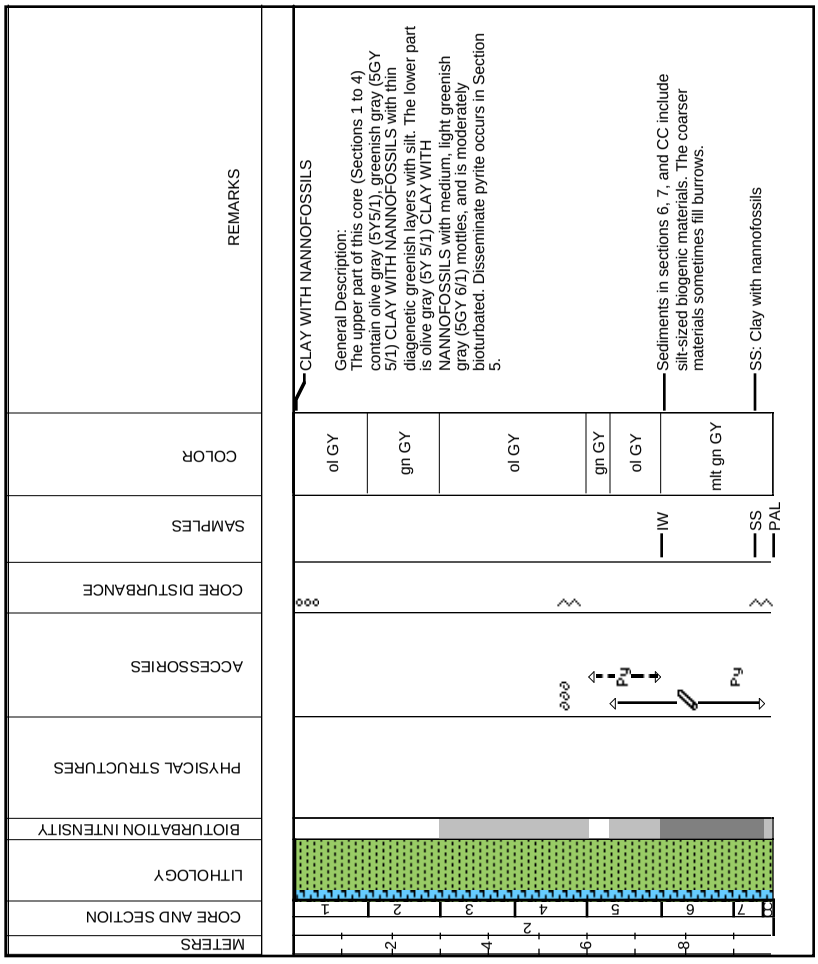
Site 1058 Hole A Core 1H **Cored 0.0-9.5 mbsf**



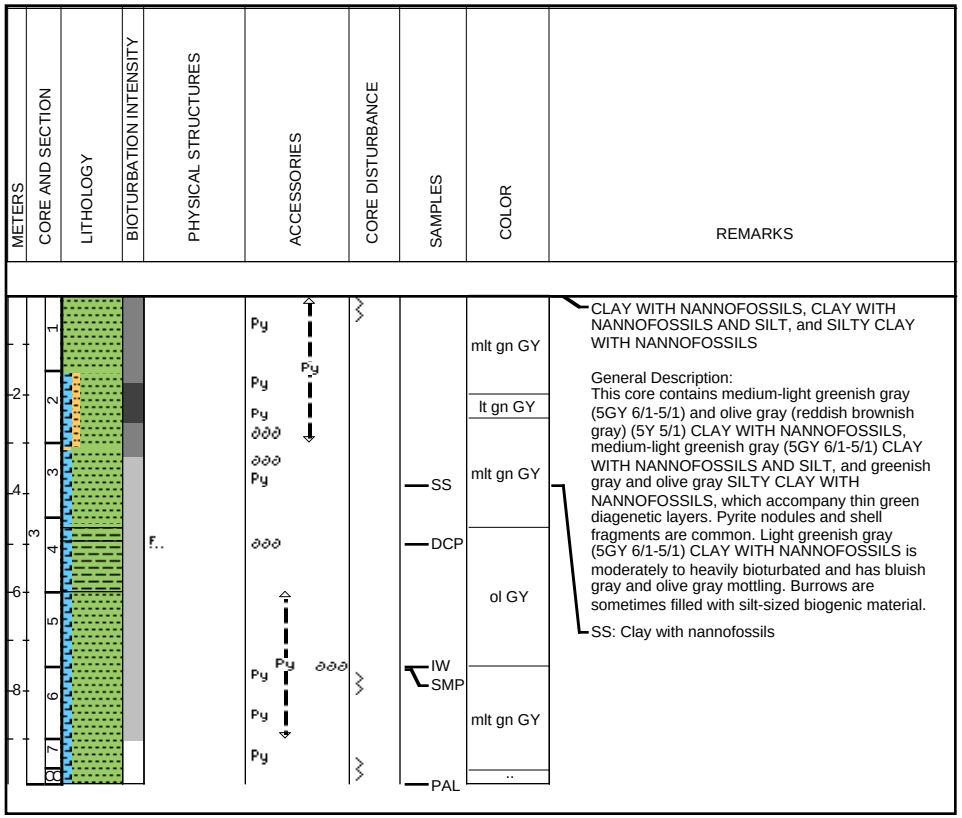
Prior Chapter Contents Next Chapter

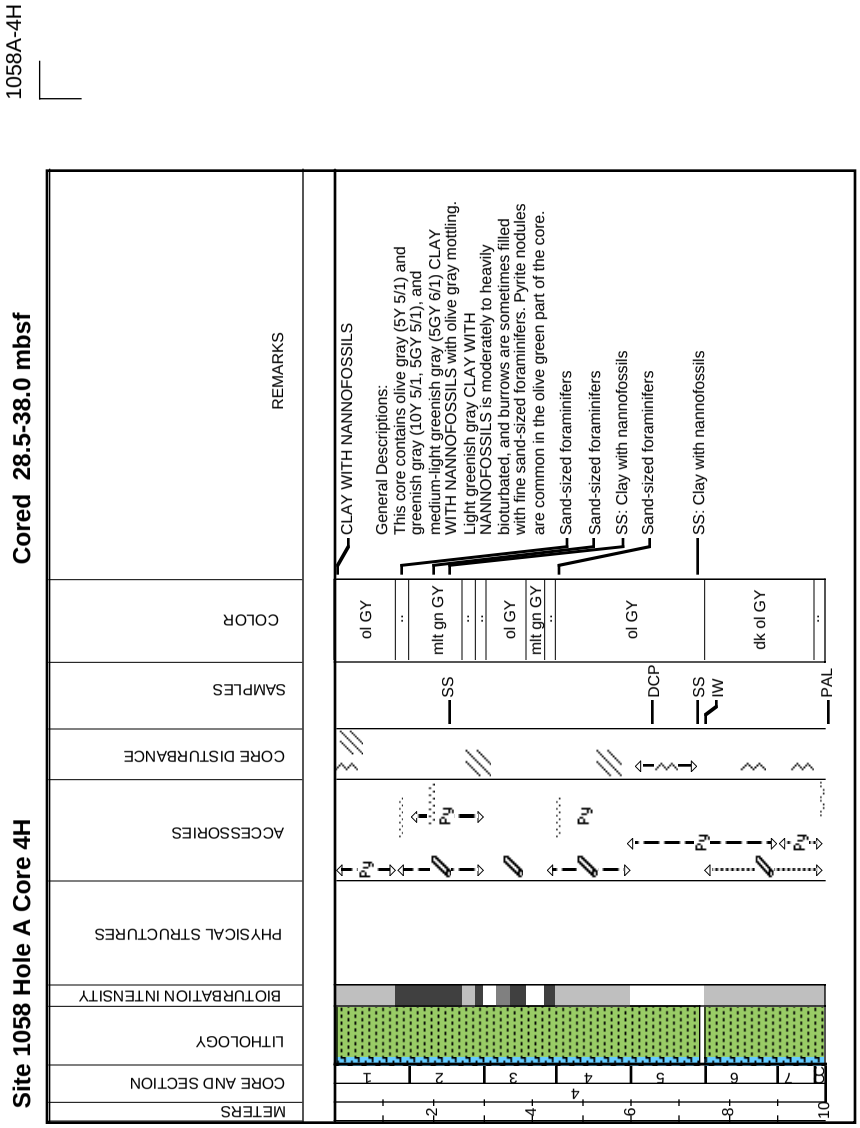
1058A-2H

Site 1058 Hole A Core 2H **Cored 9.5-19.0 mbsf**

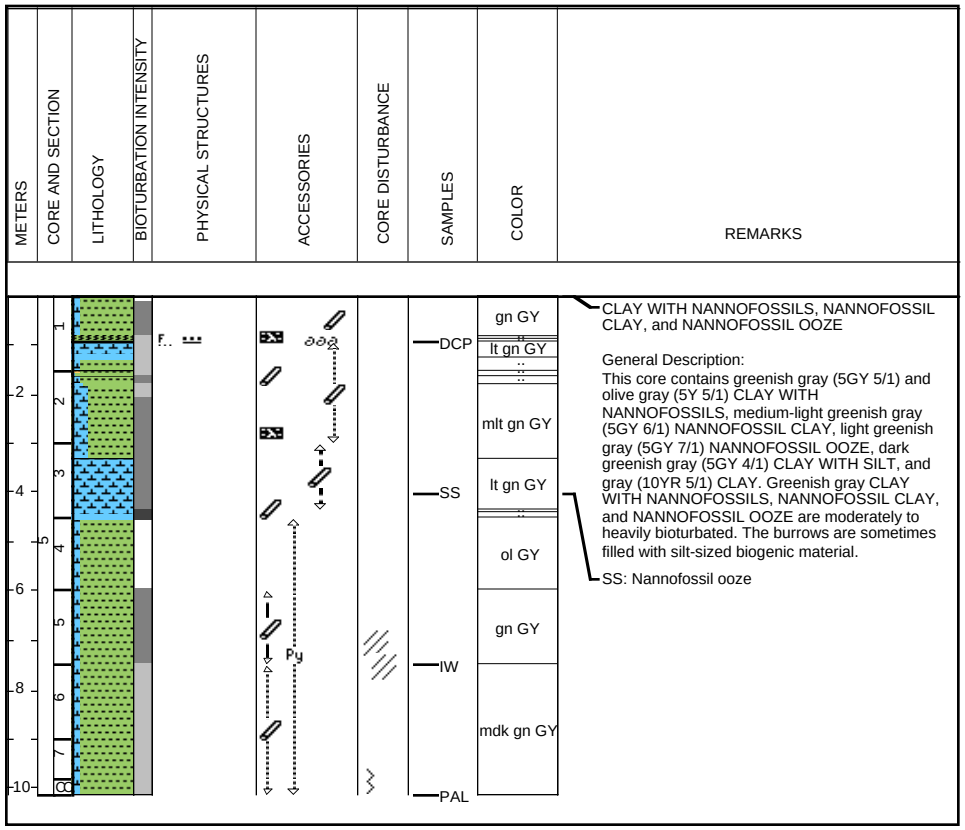


Site 1058 Hole A Core 3H — Cored 19.0-28.5 mbsf

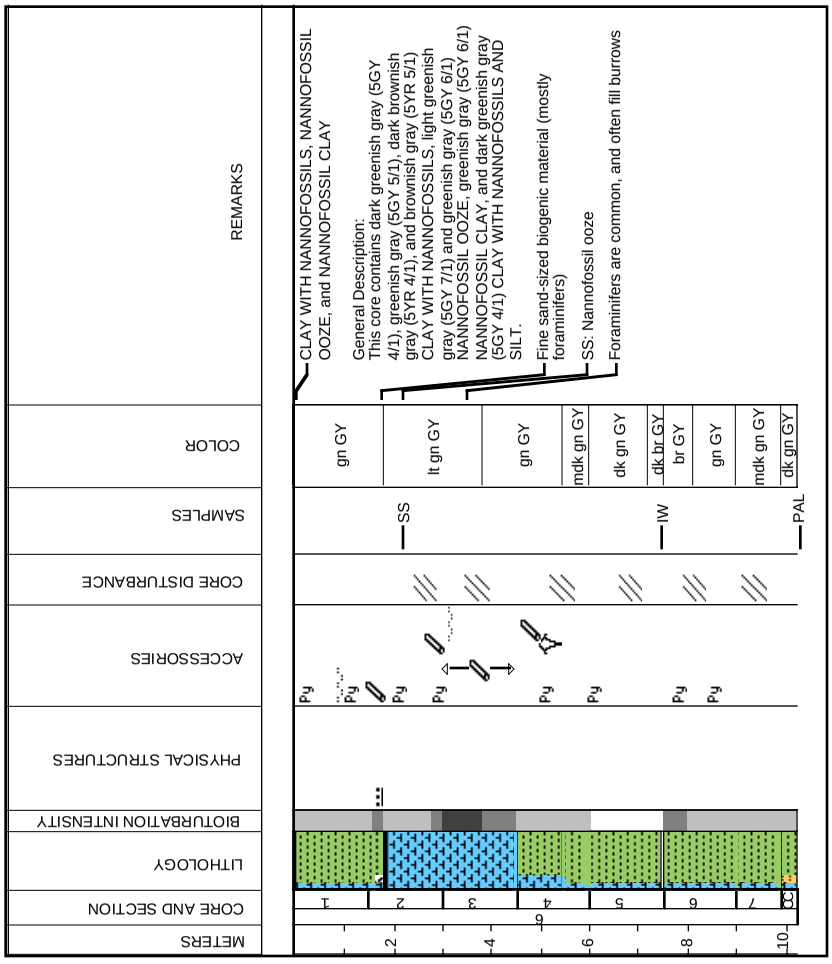



1058A-4H
Site 1058 Hole A Core 4H
Cored 28.5-38.0 mbsf
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
CLAY WITH NANNOFOSSILS
General Descriptions:
This core contains olive gray (5Y 5/1) and greenish gray (10Y 5/1, 5GY 5/1), and medium-light greenish gray (5GY 6/1) CLAY WITH NANNOFOSSILS with olive gray mottling.
Light greenish gray CLAY WITH NANNOFOSSILS is moderately to heavily bioturbated, and burrows are sometimes filled with fine sand-sized foraminifers. Pyrite nodules are common in the olive green part of the core.
Sand-sized foraminifers
Sand-sized foraminifers
SS: Clay with nannofossils
Sand-sized foraminifers
SS: Clay with nannofossils
ol GY
mlt gn GY
ol GY
mlt gn GY
ol GY
dk ol GY
SS
DCP
SS
IW
PAL
Py
1
2
3
4
5
6
7
CC
2
4
6
8
10

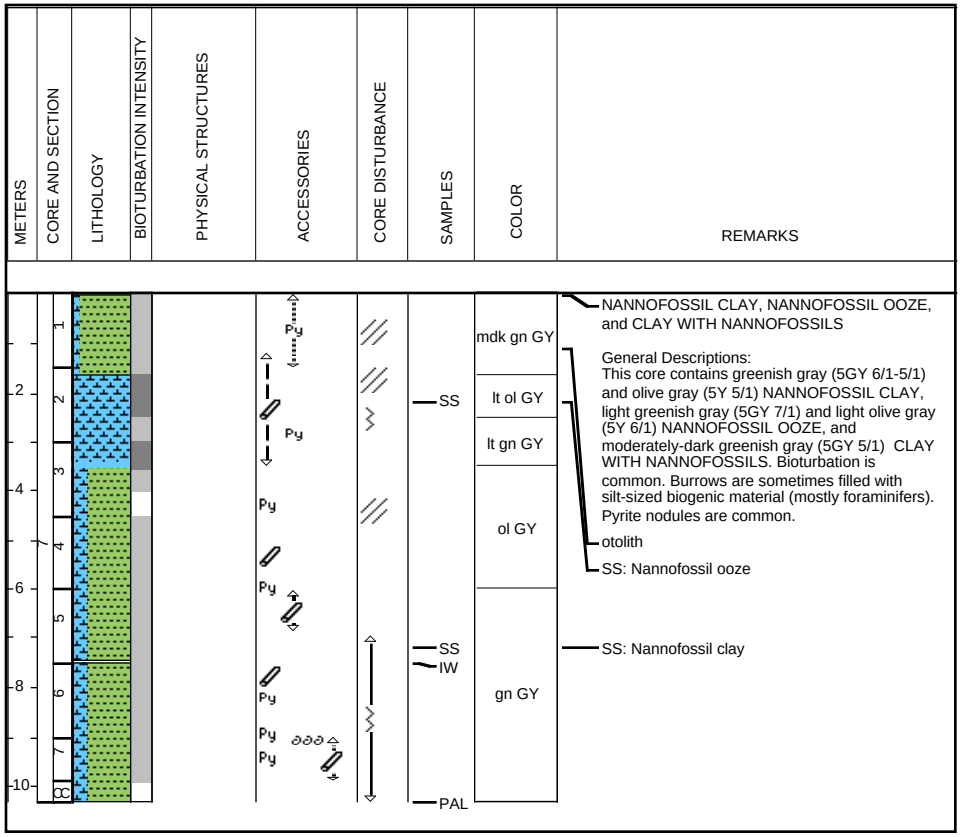
Site 1058 Hole A Core 5H — Cored 38.0-47.5 mbsf



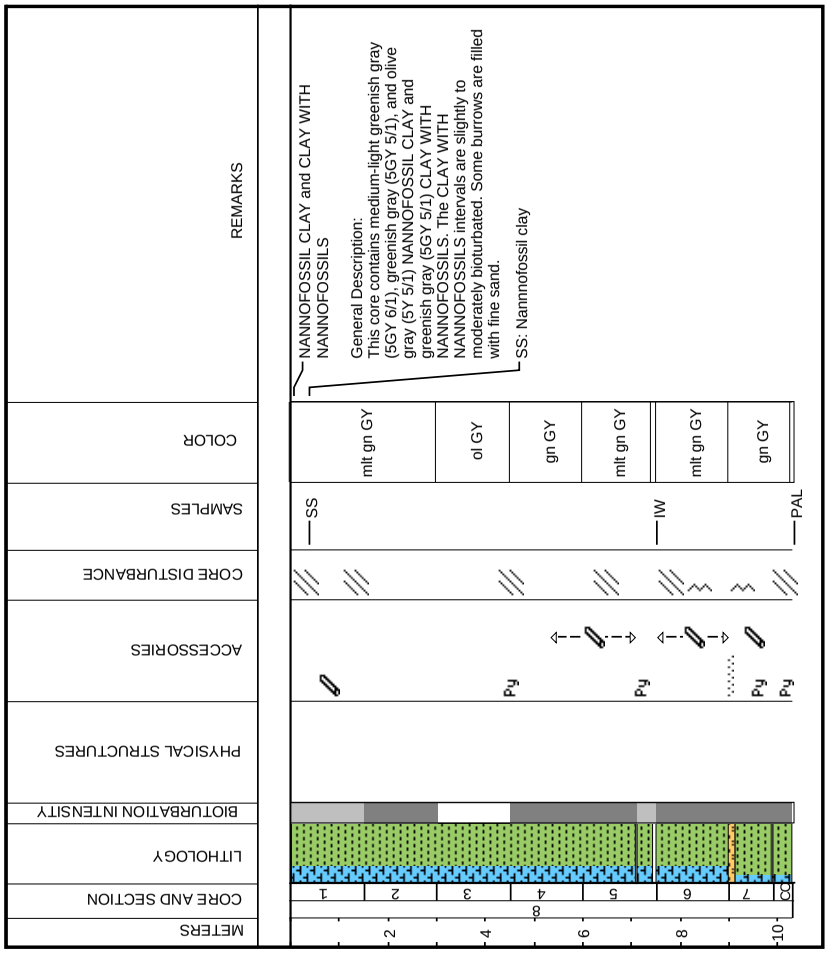
1058A-6H


Site 1058 Hole A Core 6H
Cored 47.5-57.0 mbsf
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
CLAY WITH NANNOFOSSILS, NANNOFOSSIL OOZE, and NANNOFOSSIL CLAY
General Description:
This core contains dark greenish gray (5GY 4/1), greenish gray (5GY 5/1), dark brownish gray (5YR 4/1), and brownish gray (5YR 5/1) CLAY WITH NANNOFOSSILS, light greenish gray (5GY 7/1) and greenish gray (5GY 6/1) NANNOFOSSIL OOZE, greenish gray (5GY 6/1) NANNOFOSSIL CLAY, and dark greenish gray (5GY 4/1) CLAY WITH NANNOFOSSILS AND SILT.
Fine sand-sized biogenic material (mostly foraminifers)
SS: Nannofossil ooze
Foraminifers are common, and often fill burrows
gn GY
lt gn GY
gn GY
mdk gn GY
dk gn GY
dk br GY
br GY
gn GY
mdk gn GY
dk gn GY
SS
IW
PAL
Py
1
2
3
4
5
6
7
CC
2
4
6
8
10

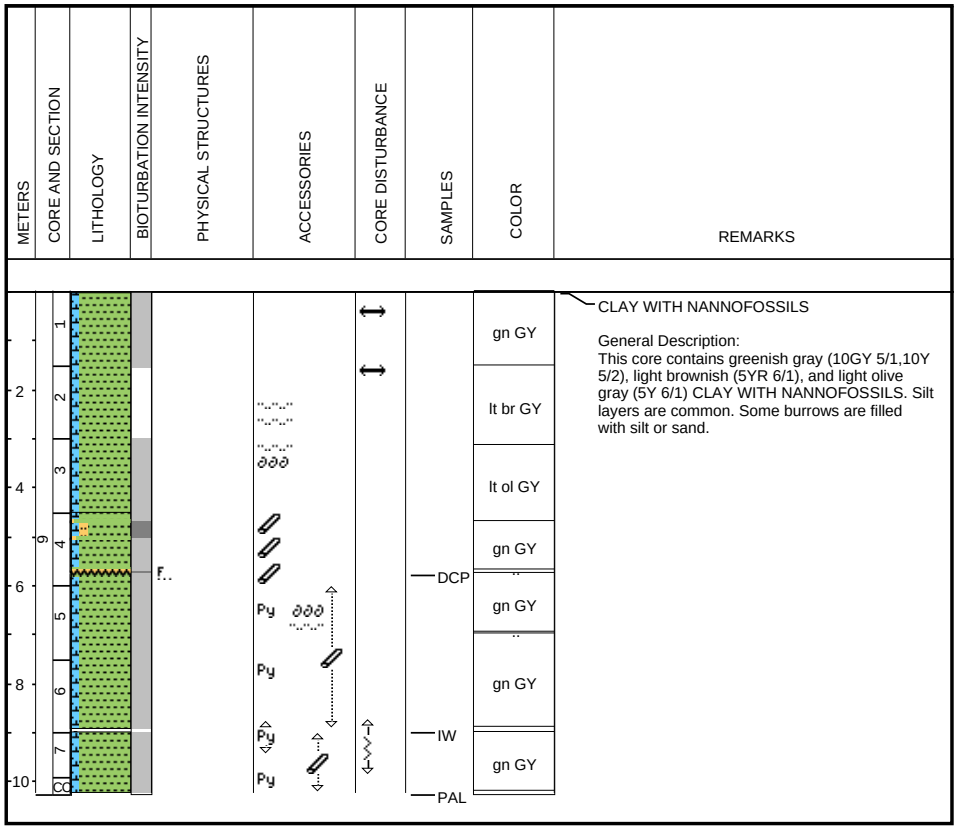
Site 1058 Hole A Core 7H — Cored 57.0-66.5 mbsf



1058A-8H

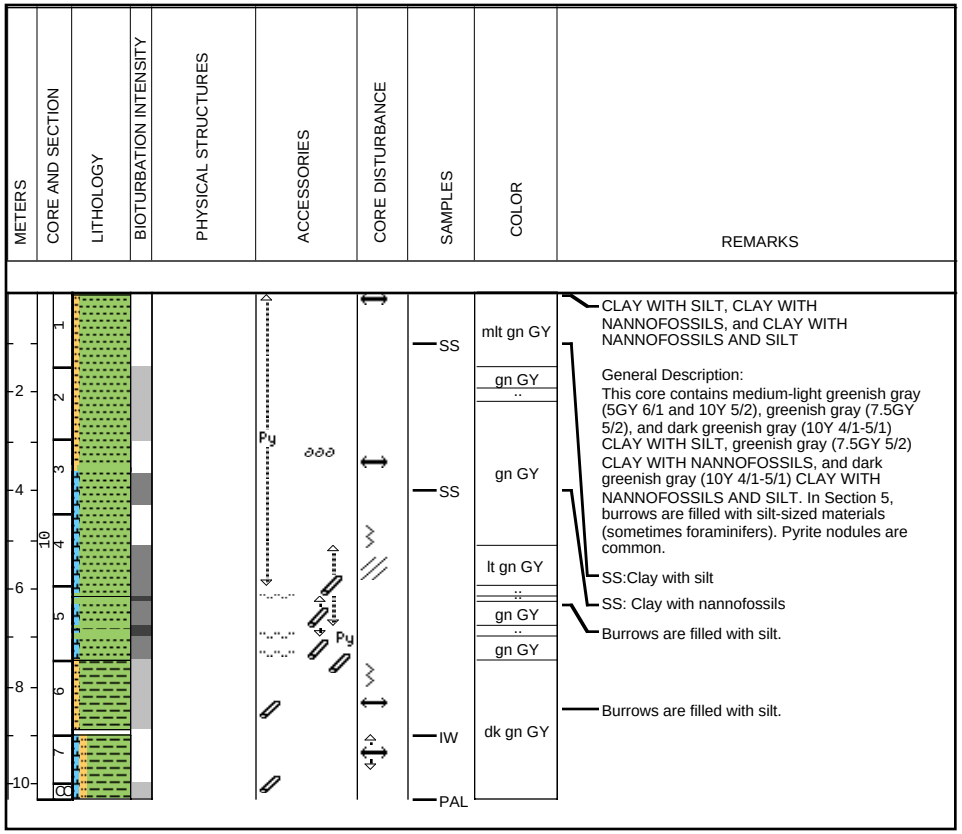

Site 1058 Hole A Core 8H
Cored 66.5-76.0 mbsf
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
NANNOFOSSIL CLAY and CLAY WITH NANNOFOSSILS
General Description:
This core contains medium-light greenish gray (5GY 6/1), greenish gray (5GY 5/1), and olive gray (5Y 5/1) NANNOFOSSIL CLAY and greenish gray (5GY 5/1) CLAY WITH NANNOFOSSILS. The CLAY WITH NANNOFOSSILS intervals are slightly to moderately bioturbated. Some burrows are filled with fine sand.
SS: Nannofossil clay
SS
IW
PAL
mlt gn GY
ol GY
gn GY
mlt gn GY
mlt gn GY
gn GY
Py
1
2
3
4
5
6
7
CC
2
4
6
8
10

Site 1058 Hole A Core 9H — Cored 76.0-85.5 mbsf

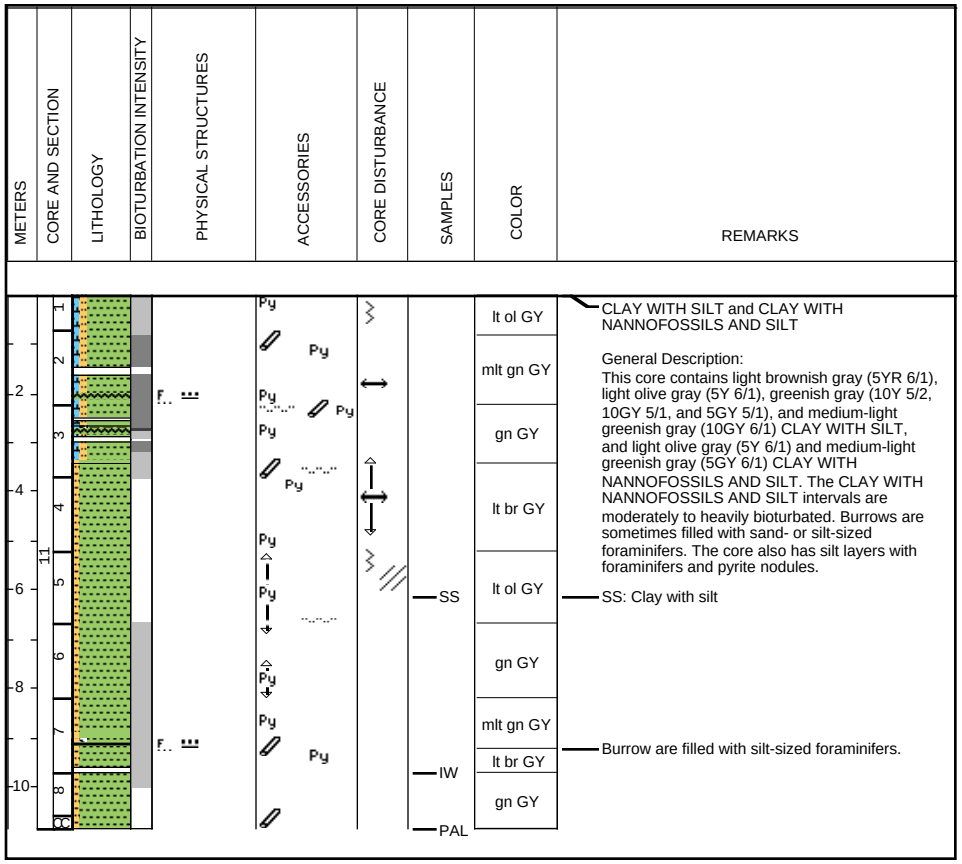


Site 1058 Hole A Core 10H

Cored 85.5-95.0 mbsf



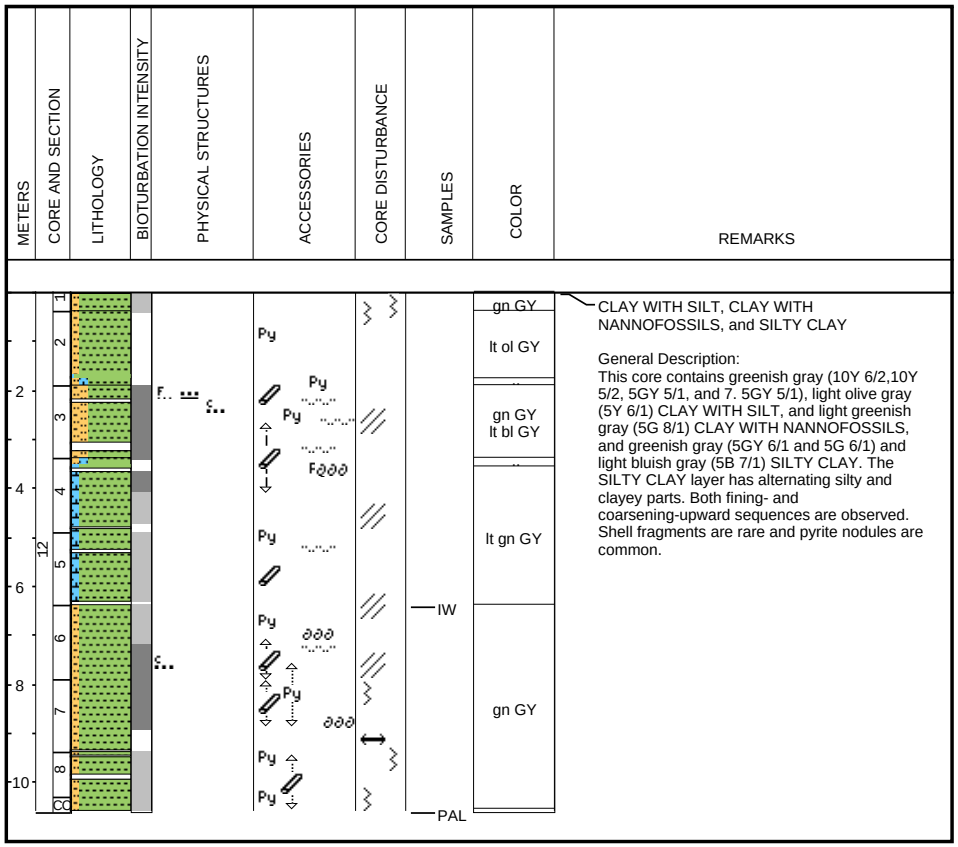
Site 1058 Hole A Core 11H — Cored 95.0-104.5 mbsf



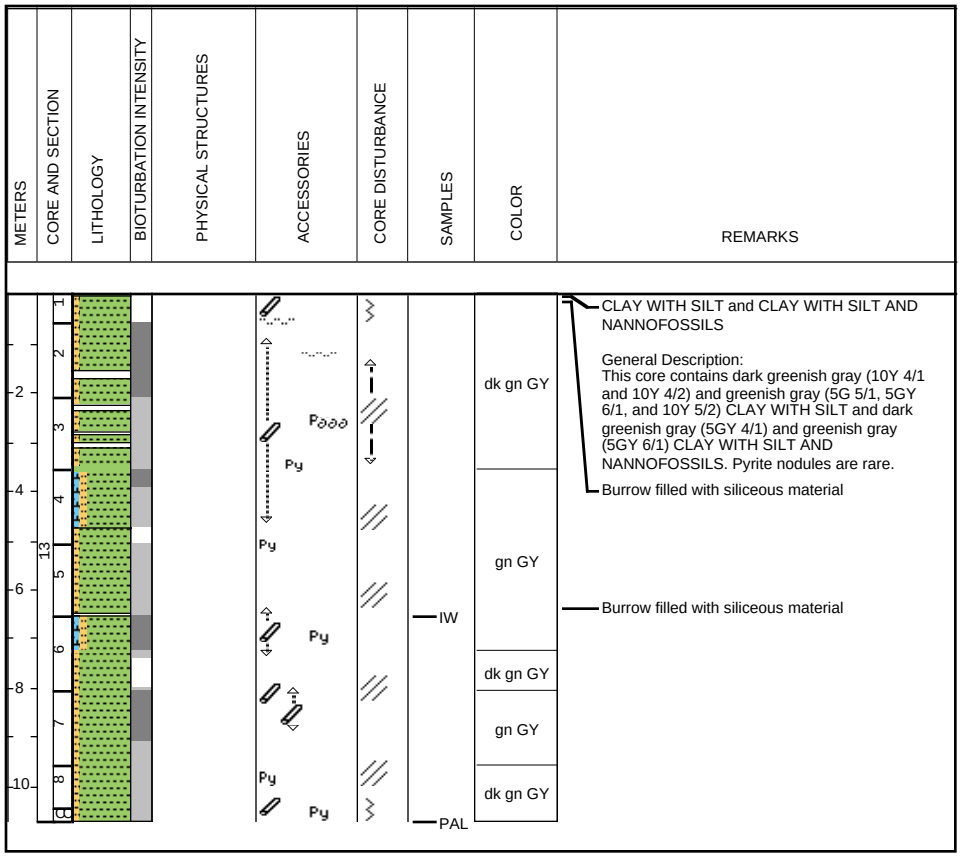
Site 1058 Hole A Core 12H

Cored 104.5-114.0 mbsf

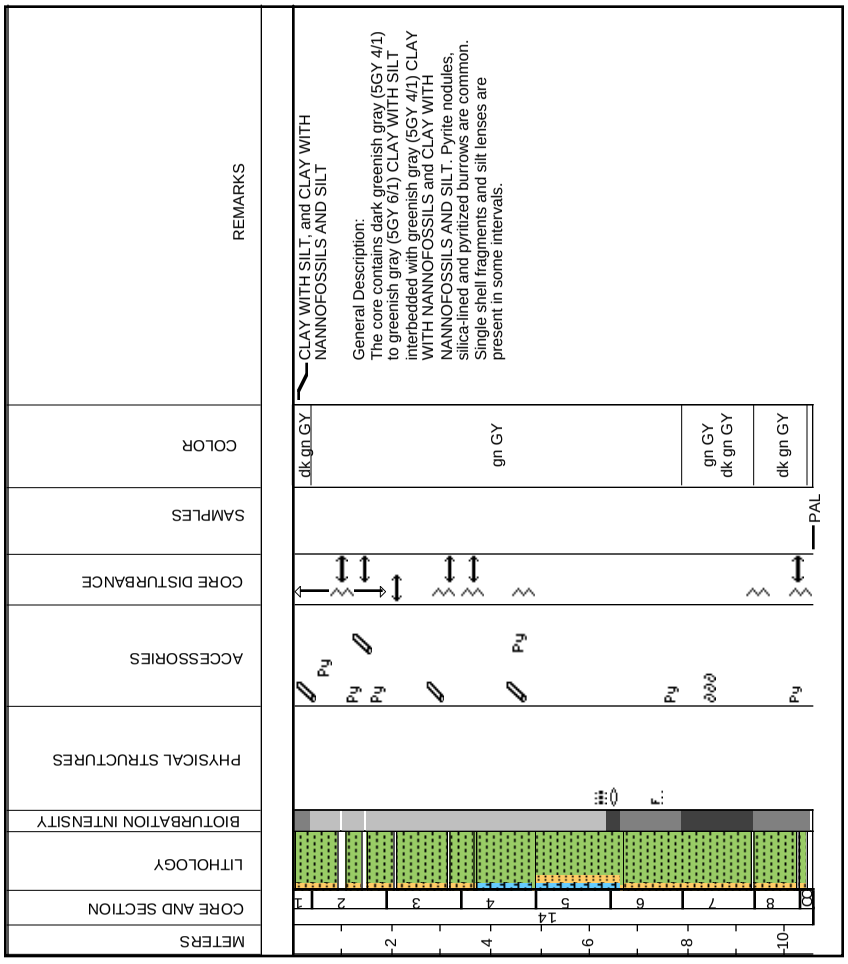
1058A-12H



Site 1058 Hole A Core 13H **Cored 114.0-123.5 mbsf**

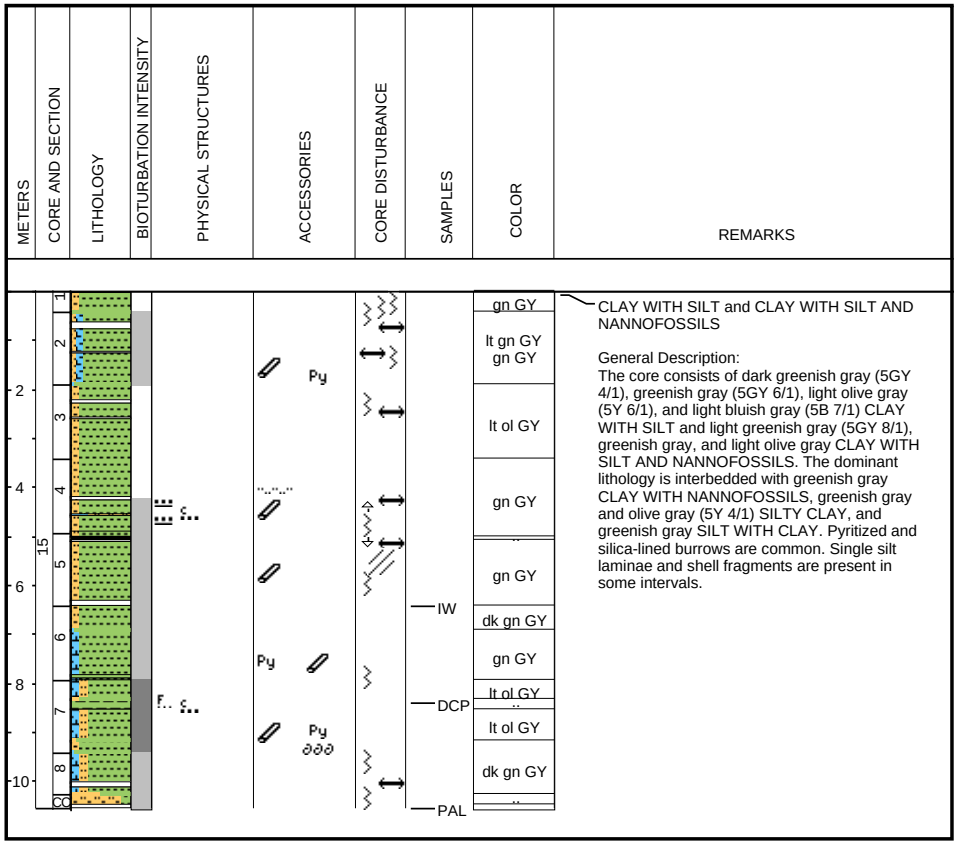


1058A-14H


Site 1058 Hole A Core 14H
Cored 123.5-133.0 mbsf
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
dk gn GY
gn GY
gn GY
dk gn GY
dk gn GY
PAL
CLAY WITH SILT, and CLAY WITH NANNOFOSSILS AND SILT
General Description:
The core contains dark greenish gray (5GY 4/1) to greenish gray (5GY 6/1) CLAY WITH SILT interbedded with greenish gray (5GY 4/1) CLAY WITH NANNOFOSSILS and CLAY WITH NANNOFOSSILS AND SILT. Pyrite nodules, silica-lined and pyritized burrows are common. Single shell fragments and silt lenses are present in some intervals.

Site 1058 Hole A Core 15H

Cored 133.0-142.5 mbsf



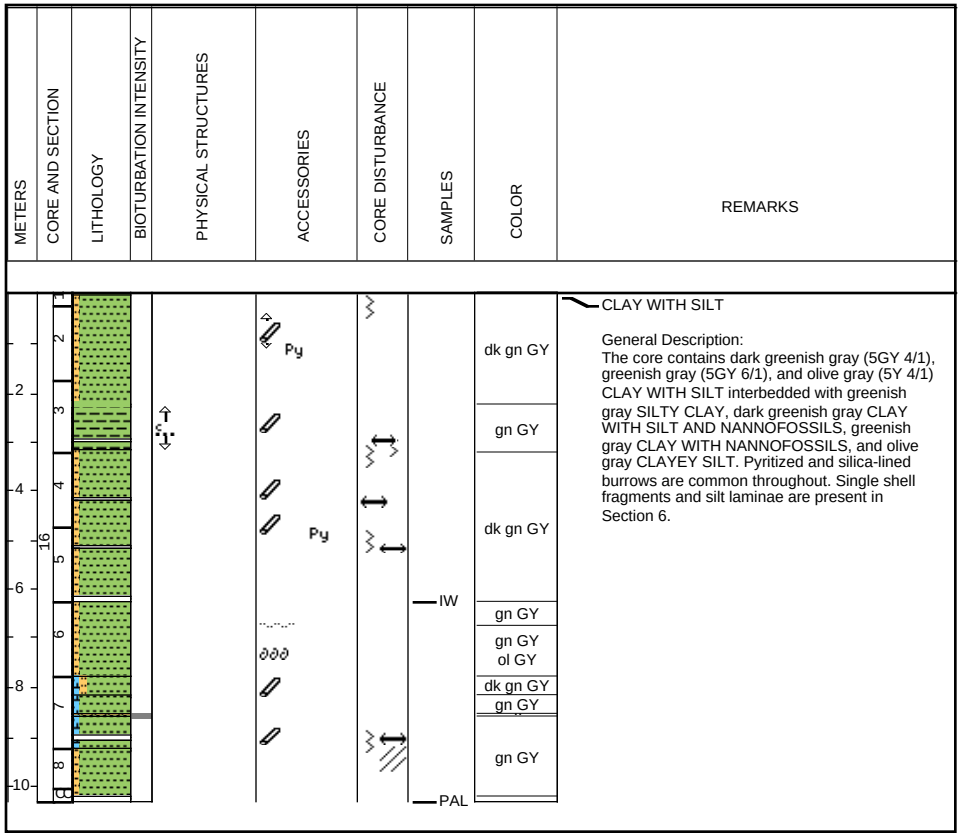
CLAY WITH SILT and CLAY WITH SILT AND NANNOFOSSILS

General Description:
The core consists of dark greenish gray (5GY 4/1), greenish gray (5GY 6/1), light olive gray (5Y 6/1), and light bluish gray (5B 7/1) CLAY WITH SILT and light greenish gray (5GY 8/1), greenish gray, and light olive gray CLAY WITH SILT AND NANNOFOSSILS. The dominant lithology is interbedded with greenish gray CLAY WITH NANNOFOSSILS, greenish gray and olive gray (5Y 4/1) SILTY CLAY, and greenish gray SILT WITH CLAY. Pyritized and silica-lined burrows are common. Single silt laminae and shell fragments are present in some intervals.

Site 1058 Hole A Core 16H

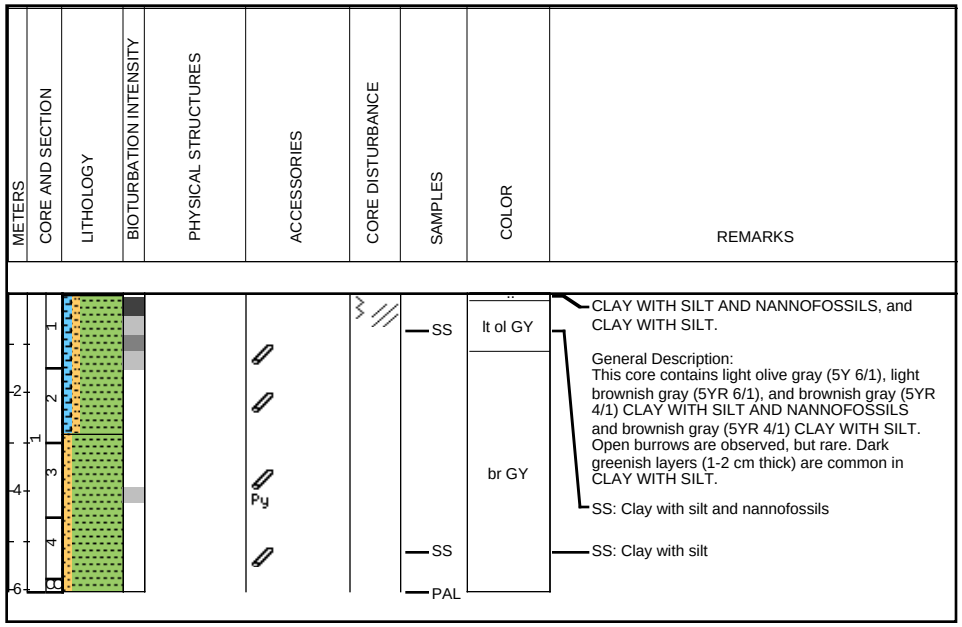
Cored 142.5-152.0 mbsf

1058A-16H

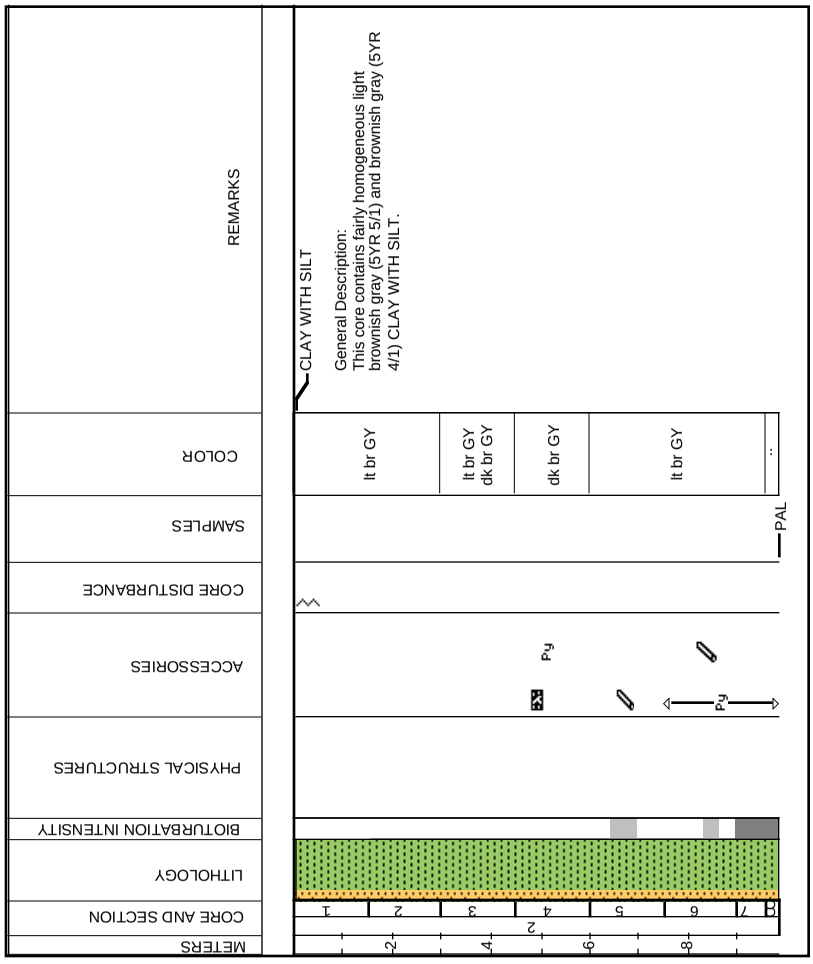


Site 1058 Hole B Core 1H

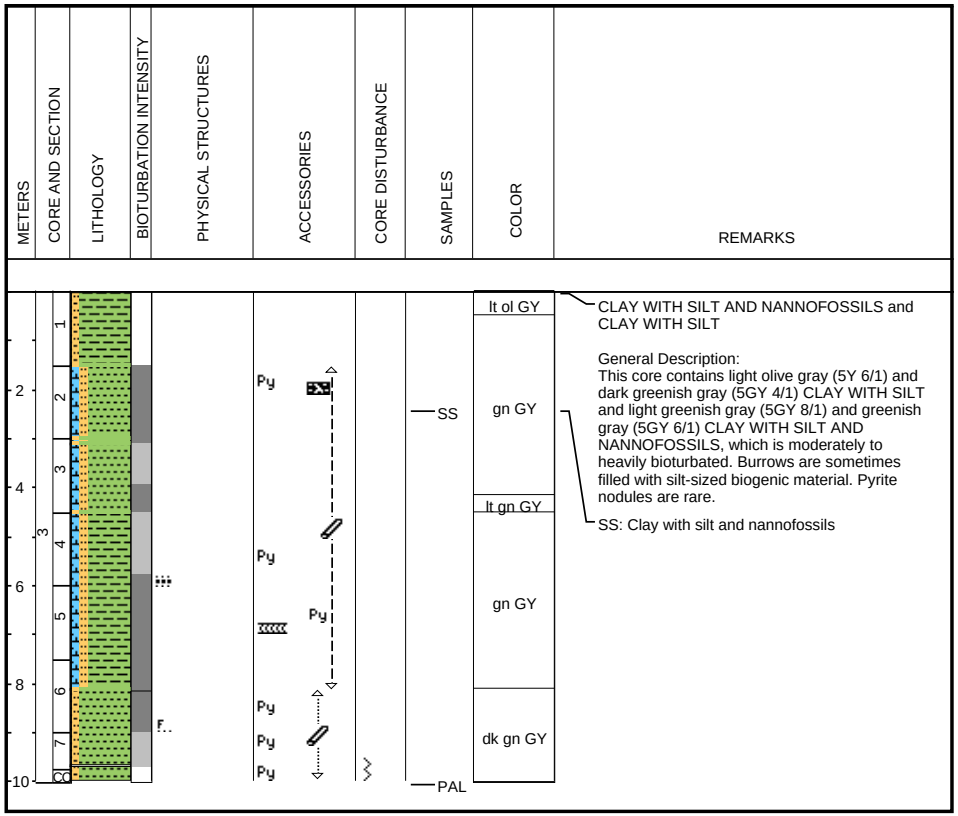
Cored 0.0-6.0 mbsf



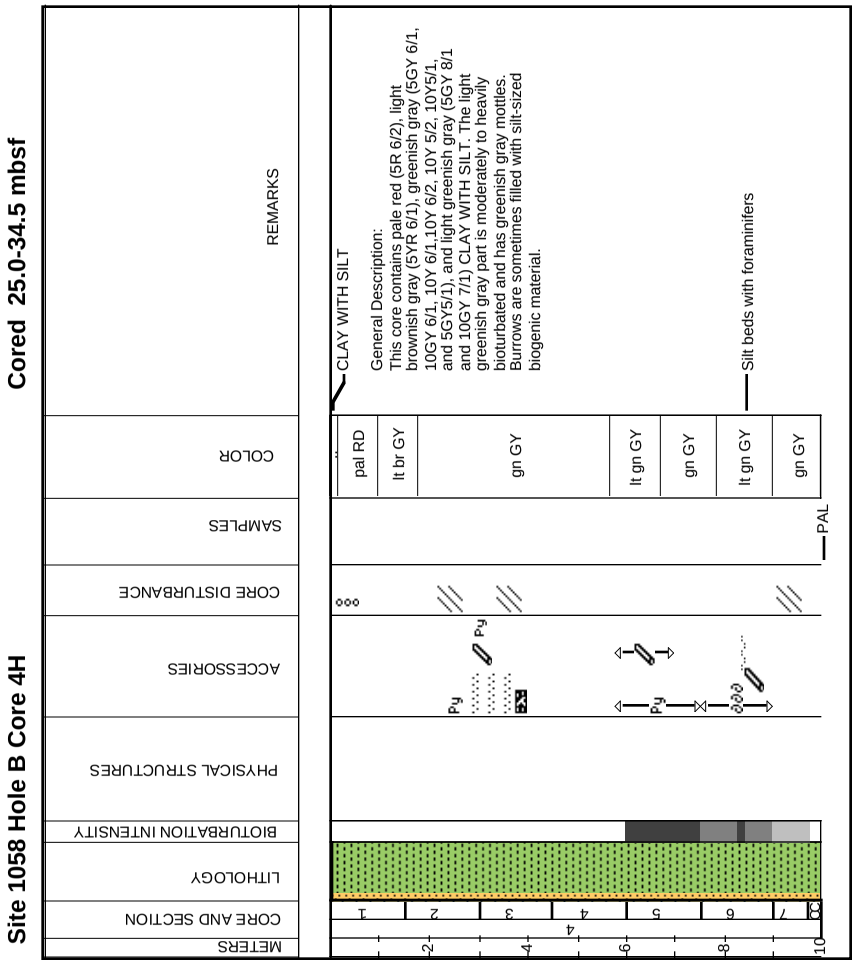
1058B-2H


Site 1058 Hole B Core 2H
Cored 6.0-15.5 mbsf
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
CLAY WITH SILT
General Description:
This core contains fairly homogeneous light brownish gray (5YR 5/1) and brownish gray (5YR 4/1) CLAY WITH SILT.
lt br GY
lt br GY
dk br GY
dk br GY
lt br GY
PAL
Py
Py

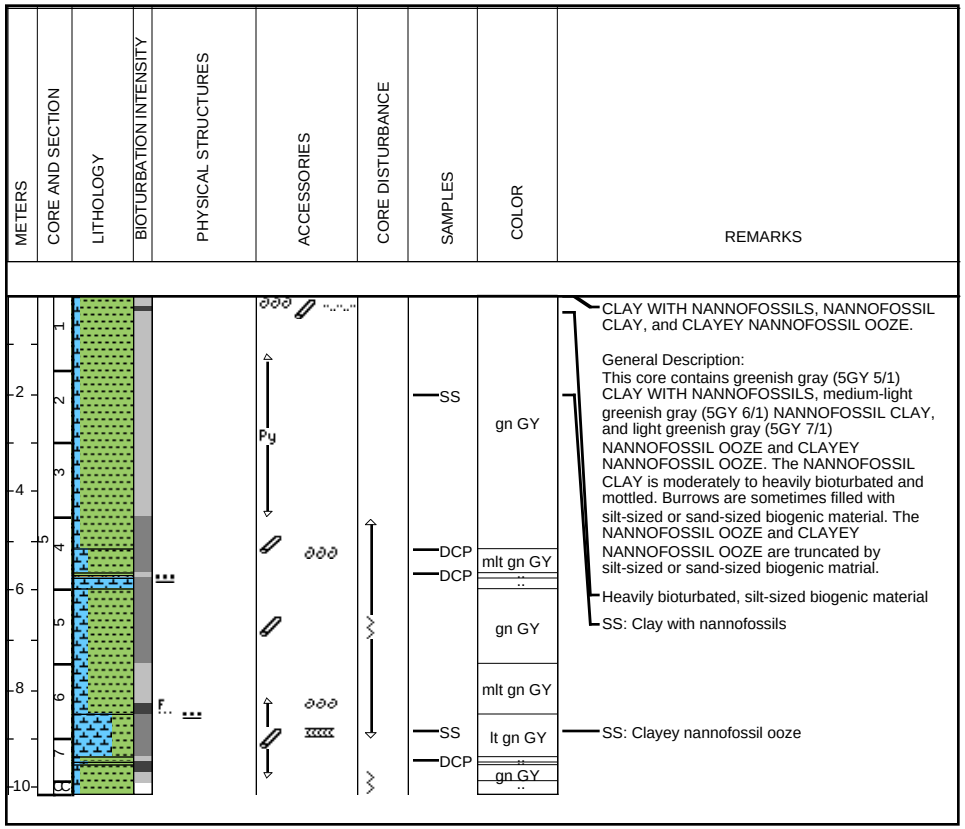
Site 1058 Hole B Core 3H — Cored 15.5-25.0 mbsf



1058B-4H


Site 1058 Hole B Core 4H
Cored 25.0-34.5 mbsf
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
CLAY WITH SILT
General Description:
This core contains pale red (5R 6/2), light brownish gray (5YR 6/1), greenish gray (5GY 6/1, 10GY 6/1, 10Y 6/1,10Y 6/2, 10Y 5/2, 10Y5/1, and 5GY5/1), and light greenish gray (5GY 8/1 and 10GY 7/1) CLAY WITH SILT. The light greenish gray part is moderately to heavily bioturbated and has greenish gray mottles. Burrows are sometimes filled with silt-sized biogenic material.
pal RD
lt br GY
gn GY
lt gn GY
gn GY
lt gn GY
gn GY
PAL
Silt beds with foraminifers
Py

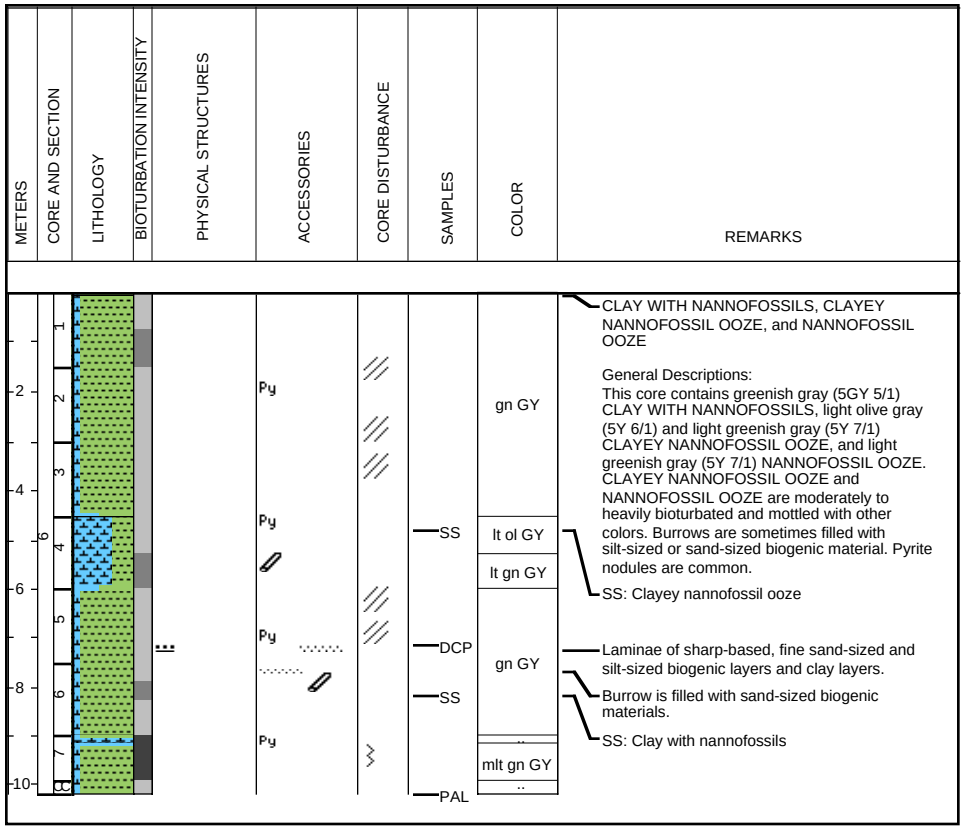
Site 1058 Hole B Core 5H **Cored 34.5-44.0 mbsf**



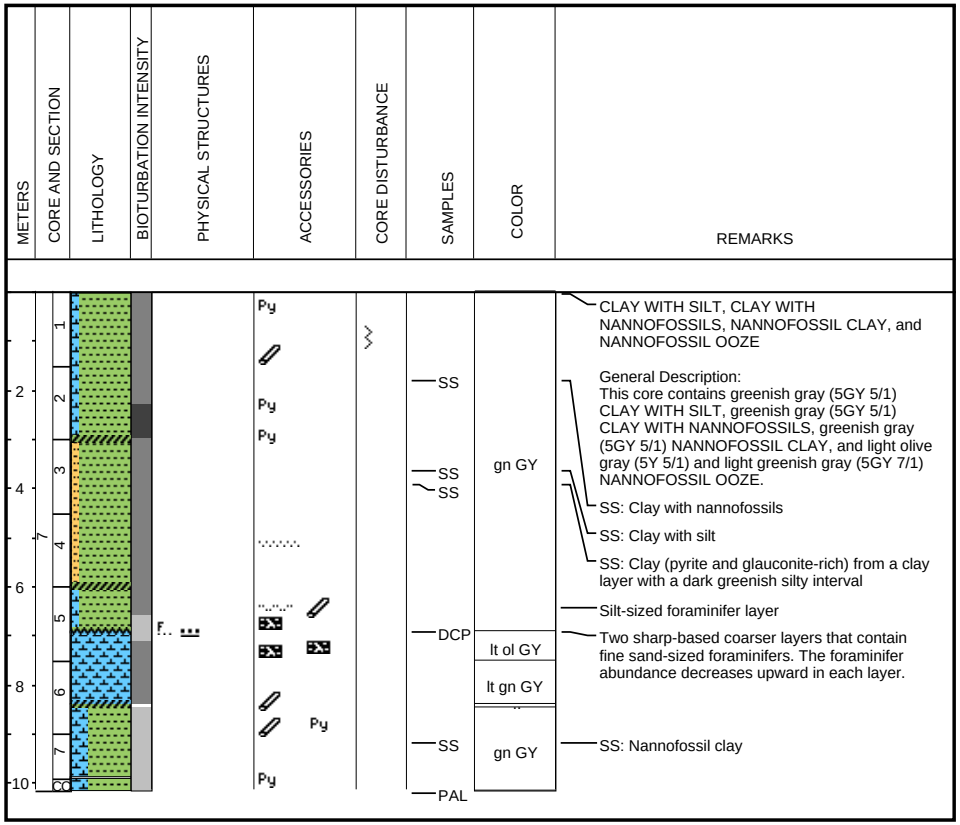
Site 1058 Hole B Core 6H

Cored 44.0-53.5 mbsf

1058B-6H



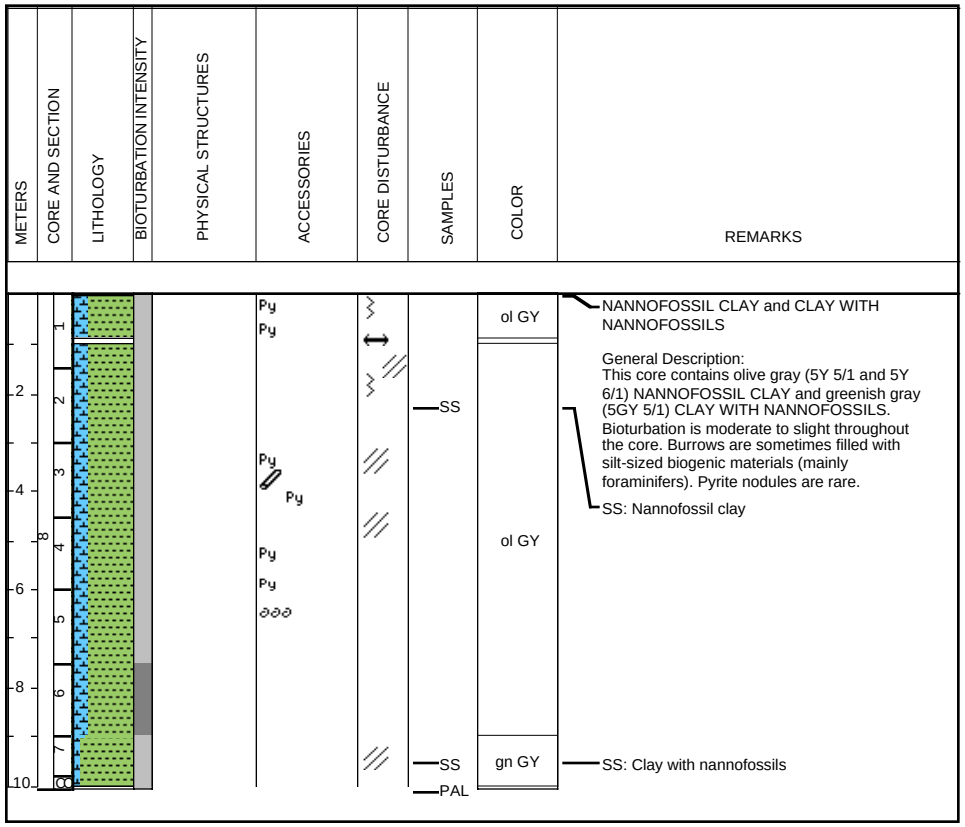
Site 1058 Hole B Core 7H **Cored 53.5-63.0 mbsf**



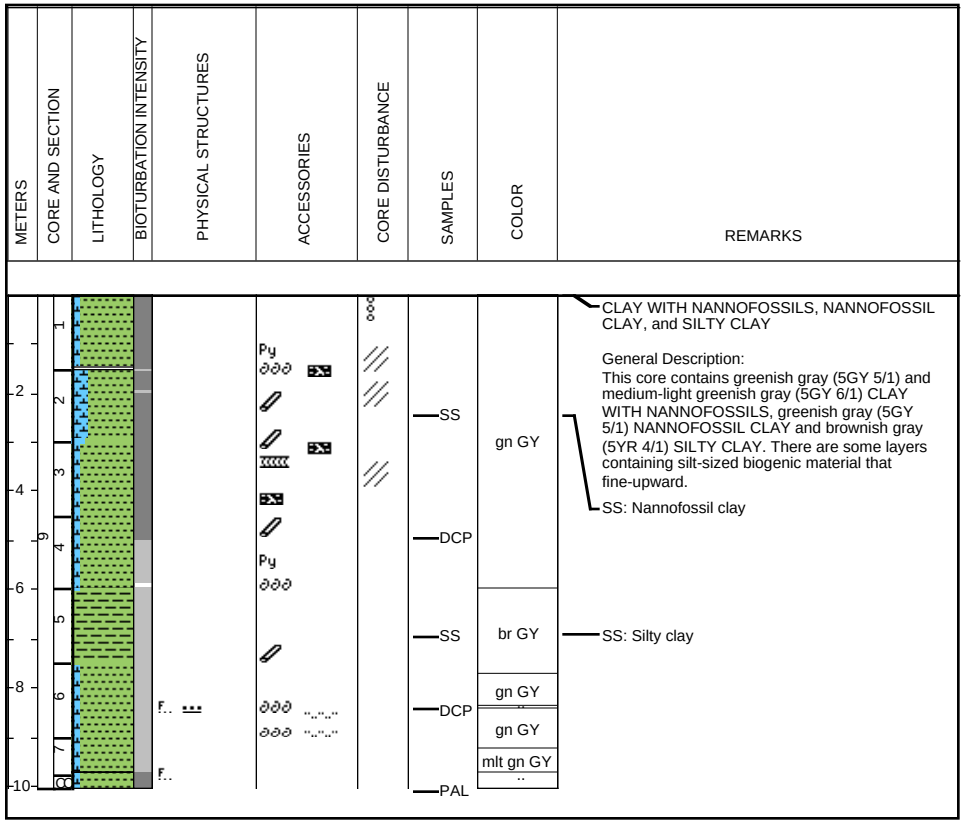
Site 1058 Hole B Core 8H

Cored 63.0-72.5 mbsf

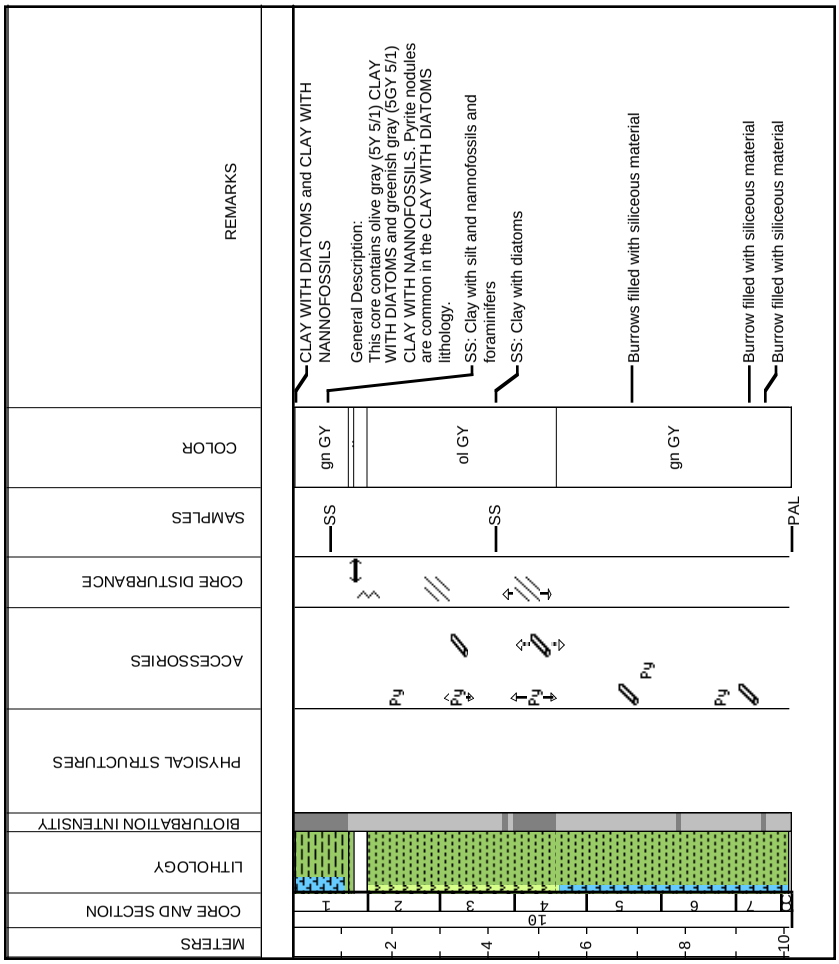
1058B-8H



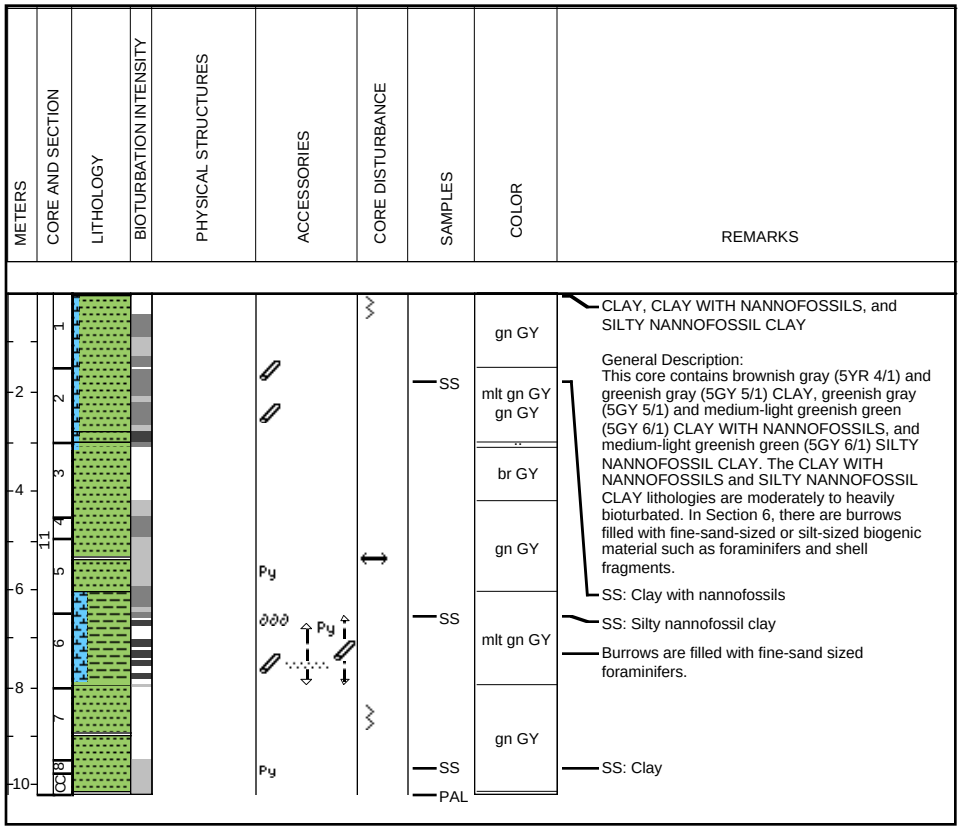
Site 1058 Hole B Core 9H **Cored 72.5-82.0 mbsf**

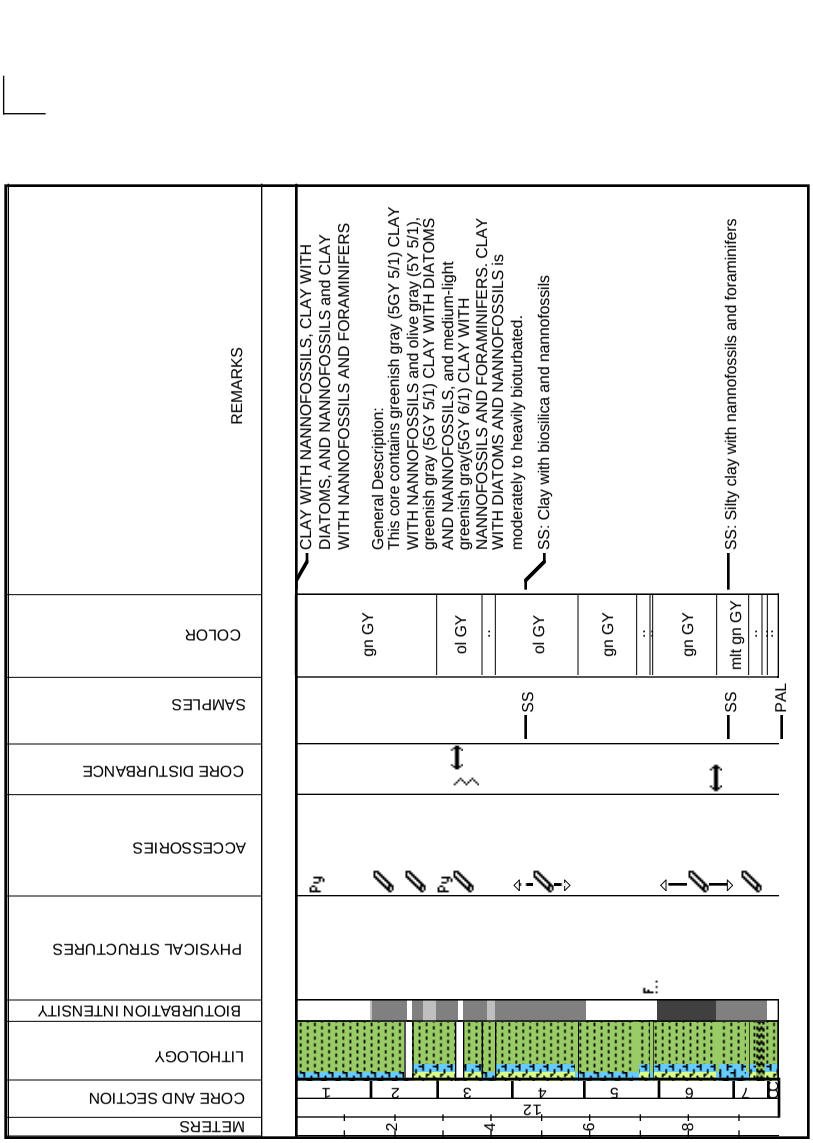


1058B-10H


Site 1058 Hole B Core 10H
Cored 82.0-91.5 mbsf
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
gn GY
ol GY
gn GY
SS
SS
PAL
Py
CLAY WITH DIATOMS and CLAY WITH NANNOFOSSILS
General Description:
This core contains olive gray (5Y 5/1) CLAY WITH DIATOMS and greenish gray (5GY 5/1) CLAY WITH NANNOFOSSILS. Pyrite nodules are common in the CLAY WITH DIATOMS lithology.
SS: Clay with silt and nannofossils and foraminifers
SS: Clay with diatoms
Burrows filled with siliceous material
Burrow filled with siliceous material
Burrow filled with siliceous material

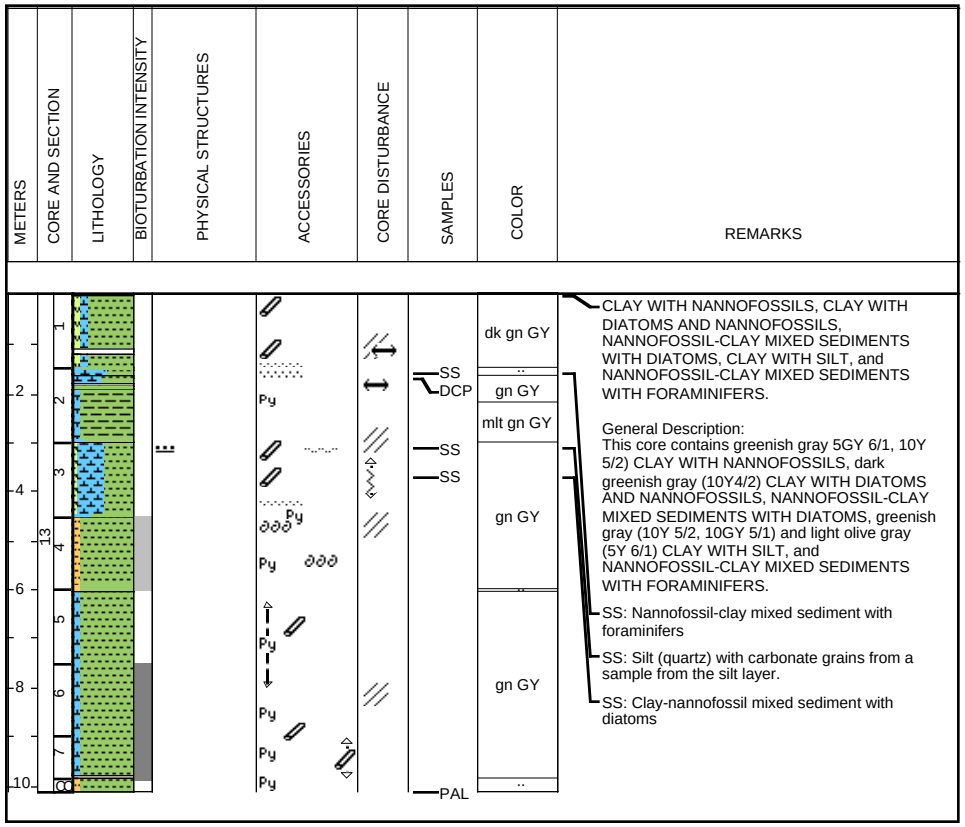
Site 1058 Hole B Core 11H — Cored 91.5-101.0 mbsf




Site 1058 Hole B Core 12H
Cored 101.0-110.5 mbsf
1058B-12H
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
CLAY WITH NANNOFOSSILS, CLAY WITH DIATOMS, AND NANNOFOSSILS and CLAY WITH NANNOFOSSILS AND FORAMINIFERS
General Description:
This core contains greenish gray (5GY 5/1) CLAY WITH NANNOFOSSILS and olive gray (5Y 5/1), greenish gray (5GY 5/1) CLAY WITH DIATOMS AND NANNOFOSSILS, and medium-light greenish gray(5GY 6/1) CLAY WITH NANNOFOSSILS AND FORAMINIFERS. CLAY WITH DIATOMS AND NANNOFOSSILS is moderately to heavily bioturbated.
SS: Clay with biosilica and nannofossils
SS: Silty clay with nannofossils and foraminifers
gn GY
ol GY
ol GY
gn GY
gn GY
mlt gn GY
SS
SS
PAL
Py
Py
F...
1
2
3
4
5
6
7
CC
12
2
4
6
8

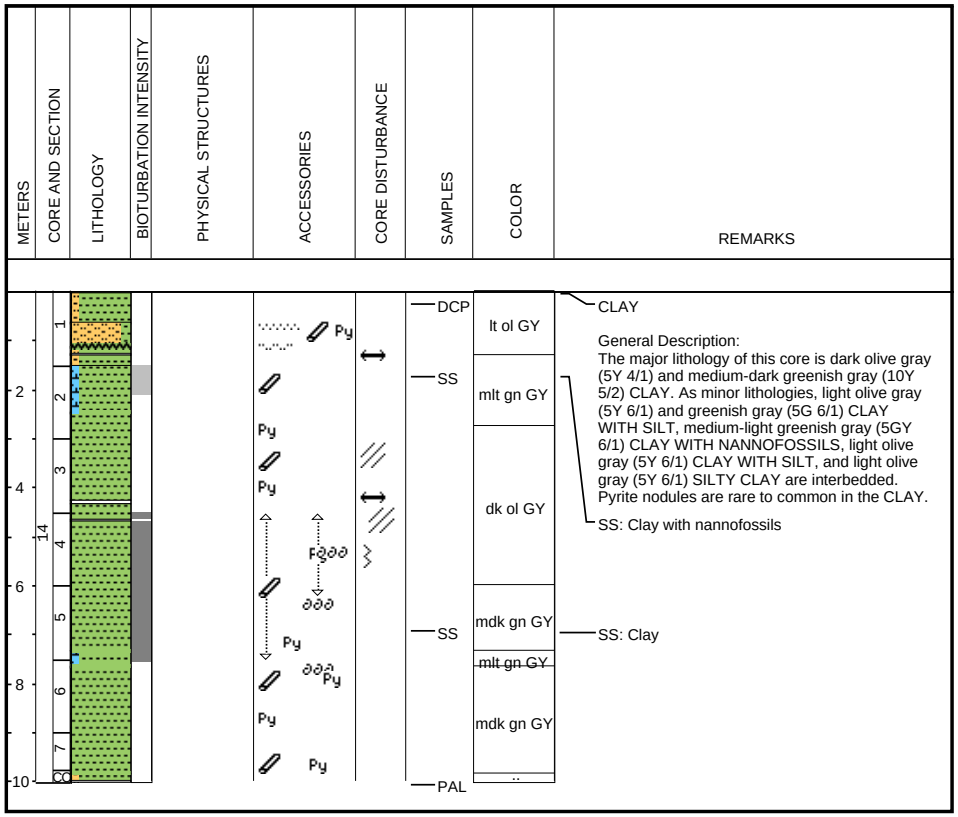
Site 1058 Hole B Core 13H

Cored 110.5-120.0 mbsf



Site 1058 Hole B Core 14H

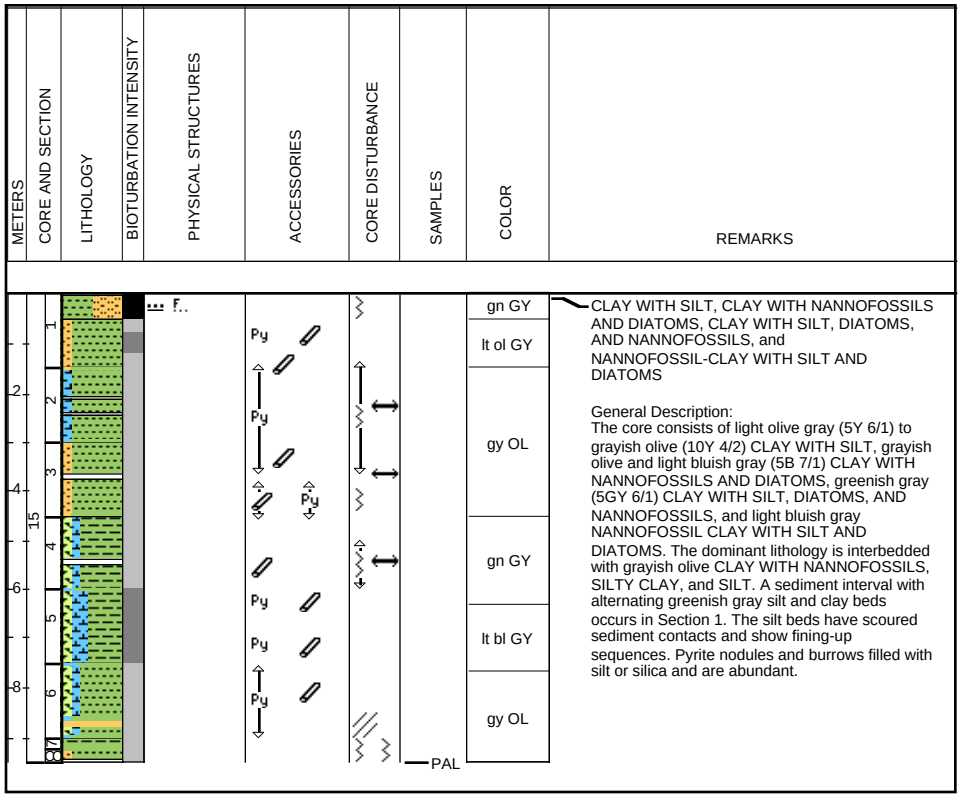
Cored 120.0-129.5 mbsf



Site 1058 Hole B Core 15H

Cored 129.5-139.0 mbsf

1058B-15H



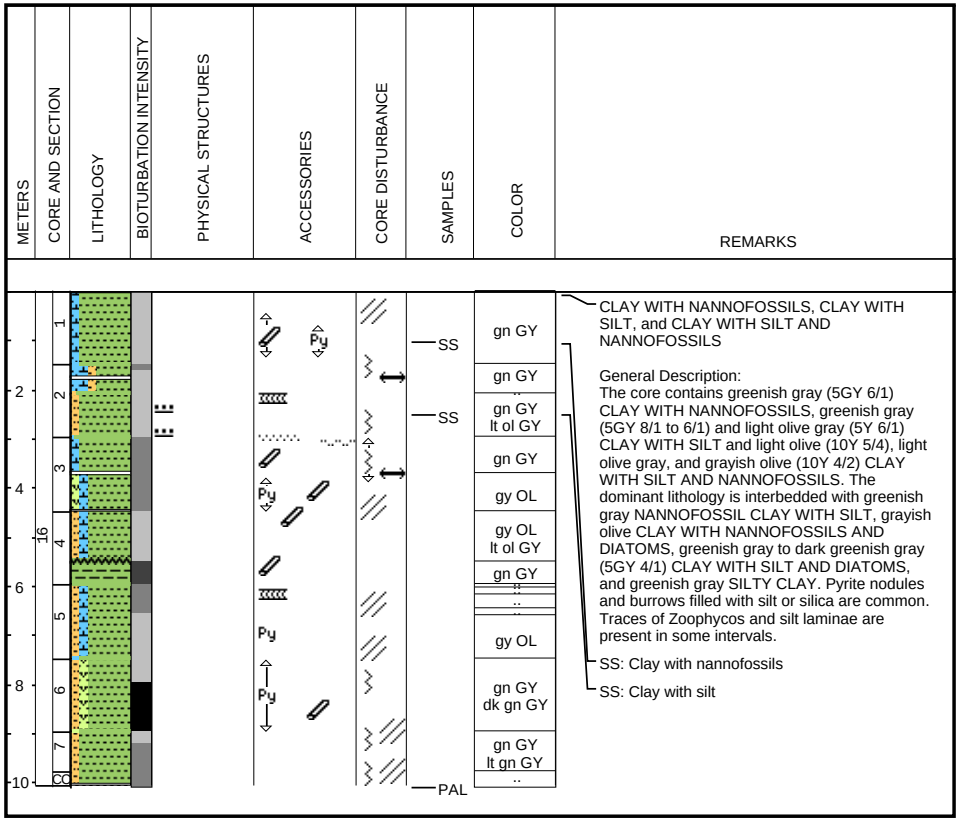
CLAY WITH SILT, CLAY WITH NANNOFOSSILS AND DIATOMS, CLAY WITH SILT, DIATOMS, AND NANNOFOSSILS, and NANNOFOSSIL-CLAY WITH SILT AND DIATOMS

General Description:
The core consists of light olive gray (5Y 6/1) to grayish olive (10Y 4/2) CLAY WITH SILT, grayish olive and light bluish gray (5B 7/1) CLAY WITH NANNOFOSSILS AND DIATOMS, greenish gray (5GY 6/1) CLAY WITH SILT, DIATOMS, AND NANNOFOSSILS, and light bluish gray NANNOFOSSIL CLAY WITH SILT AND DIATOMS. The dominant lithology is interbedded with grayish olive CLAY WITH NANNOFOSSILS, SILTY CLAY, and SILT. A sediment interval with alternating greenish gray silt and clay beds occurs in Section 1. The silt beds have scoured sediment contacts and show fining-up sequences. Pyrite nodules and burrows filled with silt or silica and are abundant.

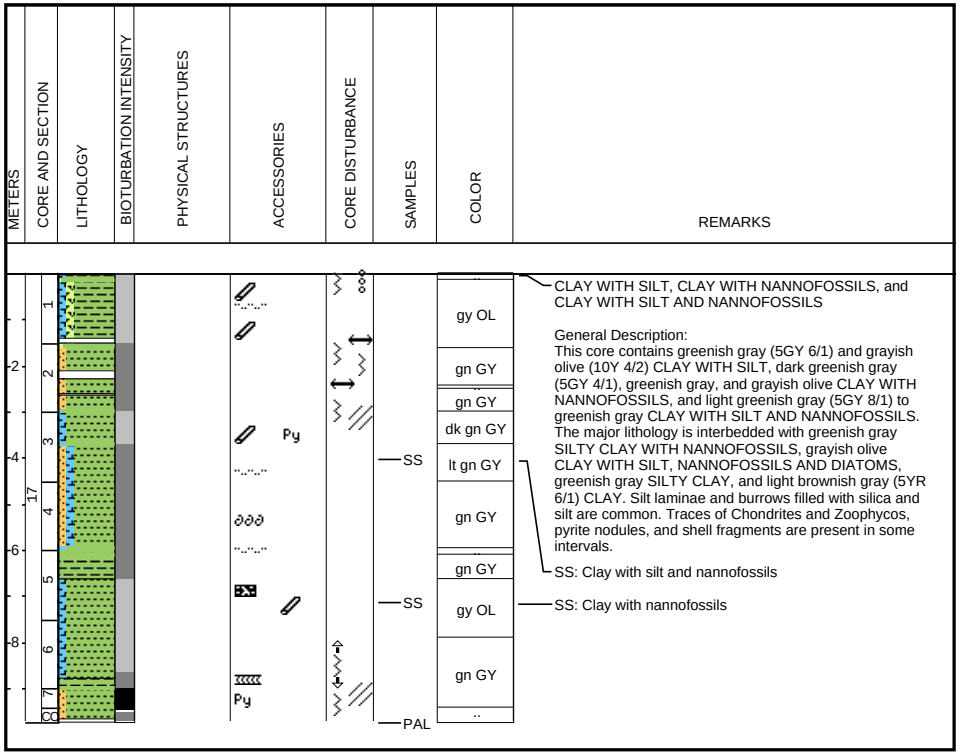
Site 1058 Hole B Core 16H

Cored 139.0-148.5 mbsf

1058B-16H



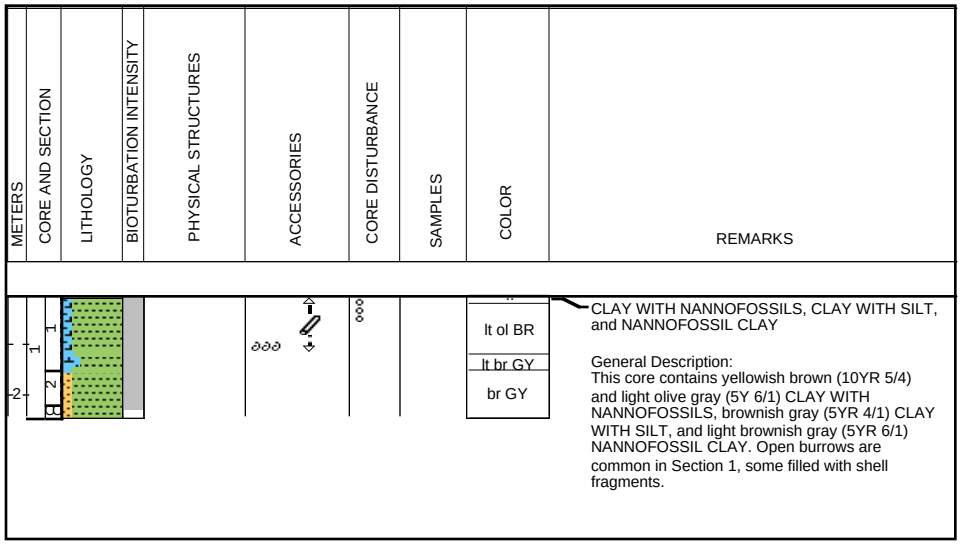
Site 1058 Hole B Core 17H **Cored 148.5-158.0 mbsf**



Site 1058 Hole C Core 1H

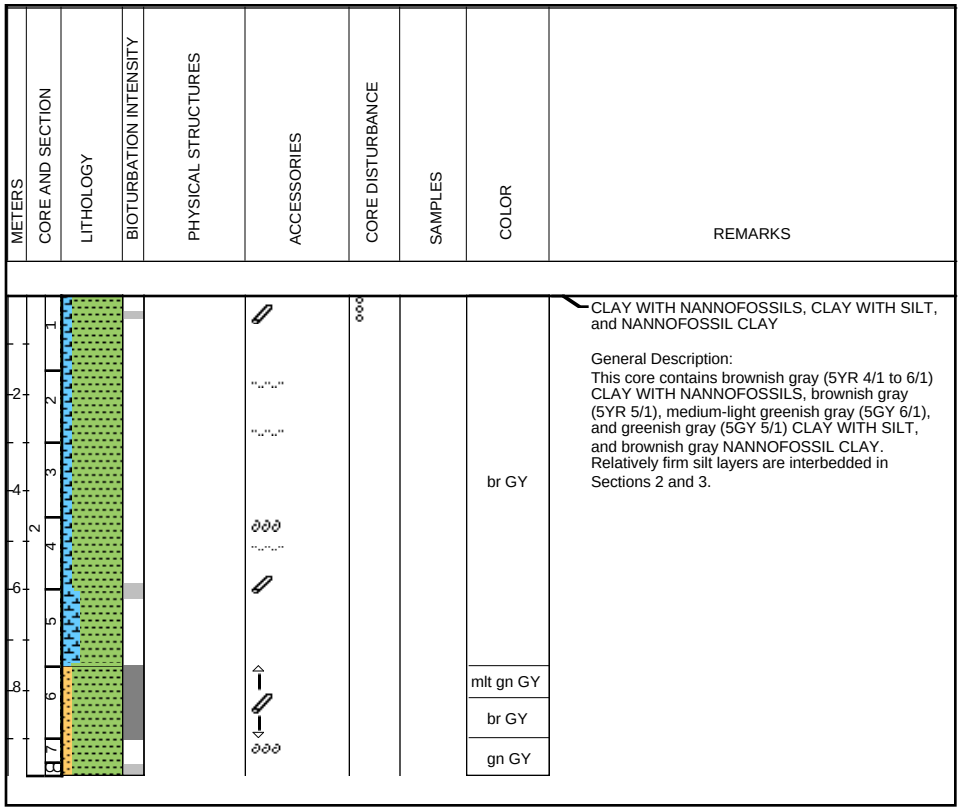
Cored 0.0-2.5 mbsf

1058C-1H

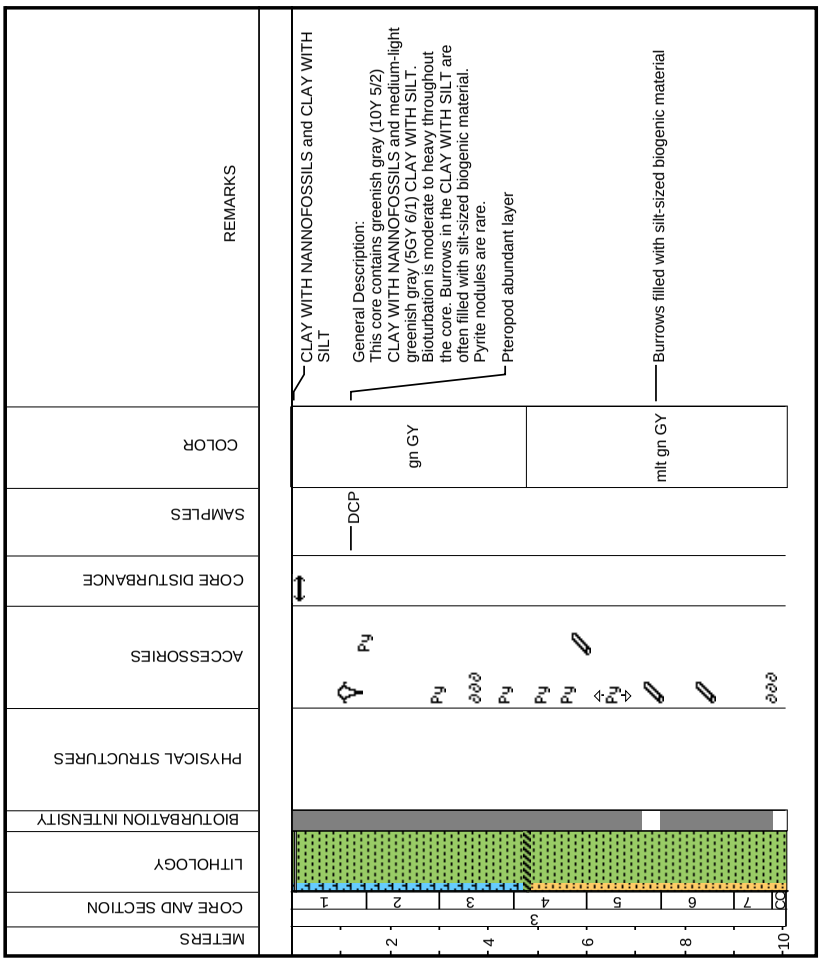


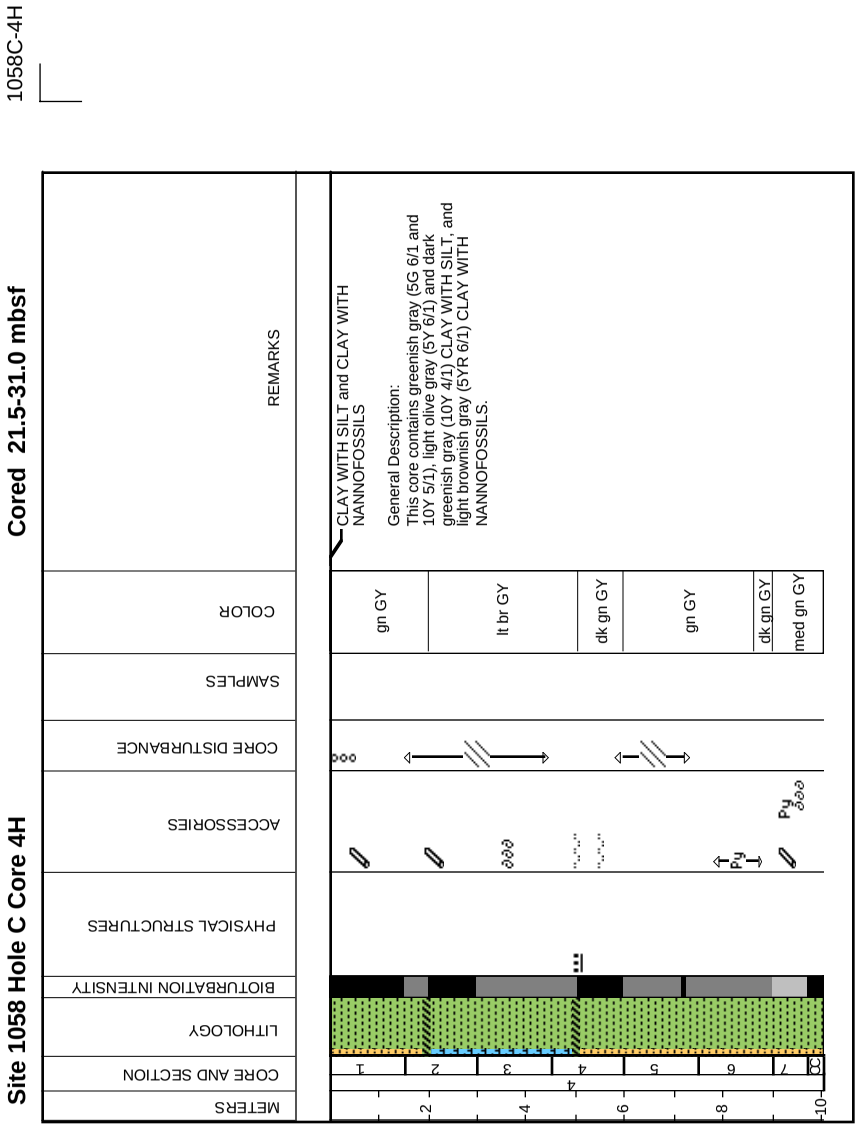
Site 1058 Hole C Core 2H

Cored 2.5-12.0 mbsf

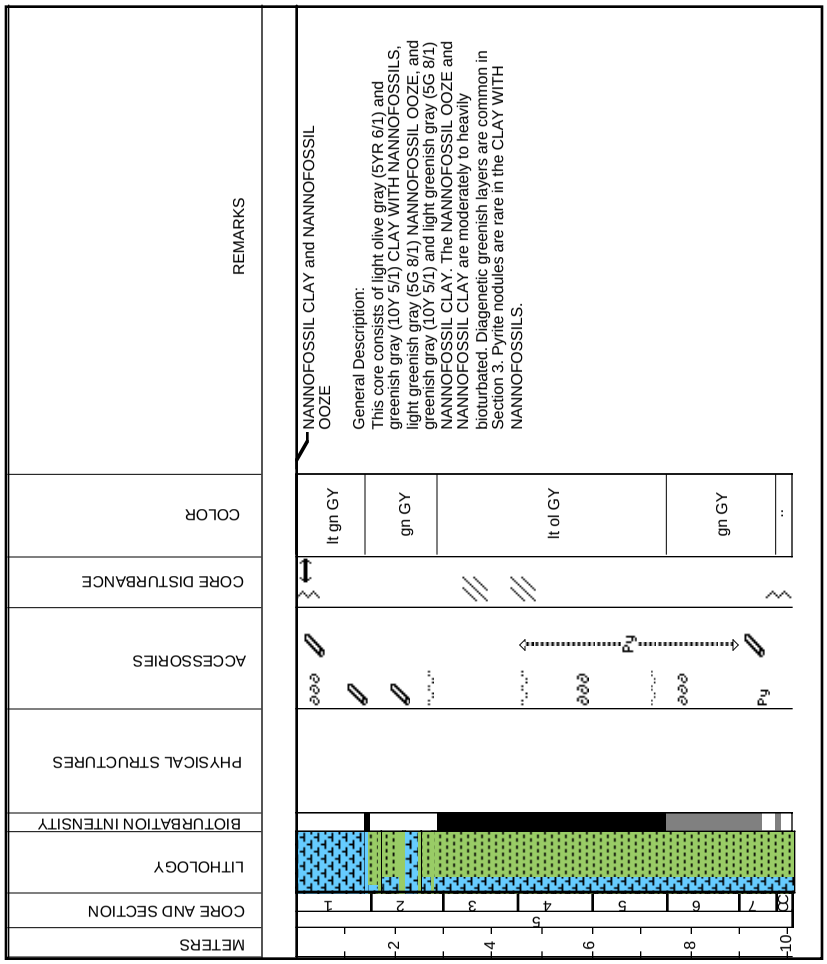


1058C-3H

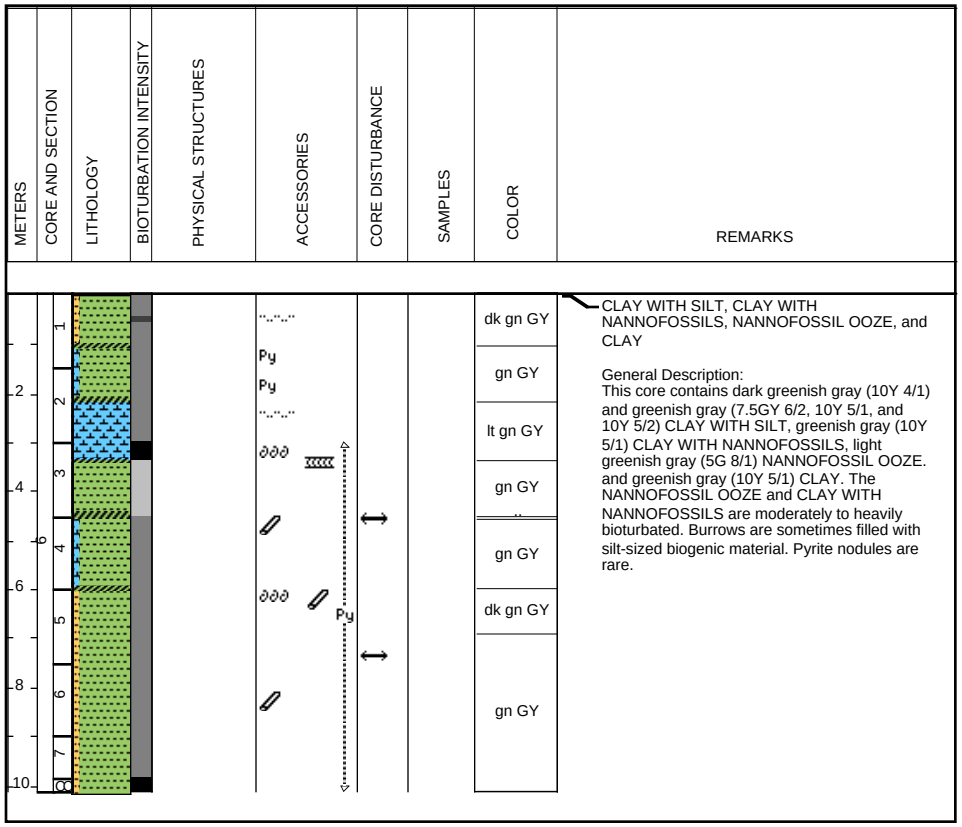

Site 1058 Hole C Core 3H
Cored 12.0-21.5 mbsf
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
DCP
gn GY
mlt gn GY
CLAY WITH NANNOFOSSILS and CLAY WITH SILT
General Description:
This core contains greenish gray (10Y 5/2) CLAY WITH NANNOFOSSILS and medium-light greenish gray (5GY 6/1) CLAY WITH SILT.
Bioturbation is moderate to heavy throughout the core. Burrows in the CLAY WITH SILT are often filled with silt-sized biogenic material.
Pyrite nodules are rare.
Pteropod abundant layer
Burrows filled with silt-sized biogenic material
Py
1
2
3
4
5
6
7
CC
2
4
6
8
10


Site 1058 Hole C Core 4H
Cored 21.5-31.0 mbsf
1058C-4H
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
CLAY WITH SILT and CLAY WITH NANNOFOSSILS
General Description:
This core contains greenish gray (5G 6/1 and 10Y 5/1), light olive gray (5Y 6/1) and dark greenish gray (10Y 4/1) CLAY WITH SILT, and light brownish gray (5YR 6/1) CLAY WITH NANNOFOSSILS.
gn GY
lt br GY
dk gn GY
gn GY
dk gn GY
med gn GY
1
2
3
4
5
6
7
CC
Py
2
4
6
8
10

1058C-5H

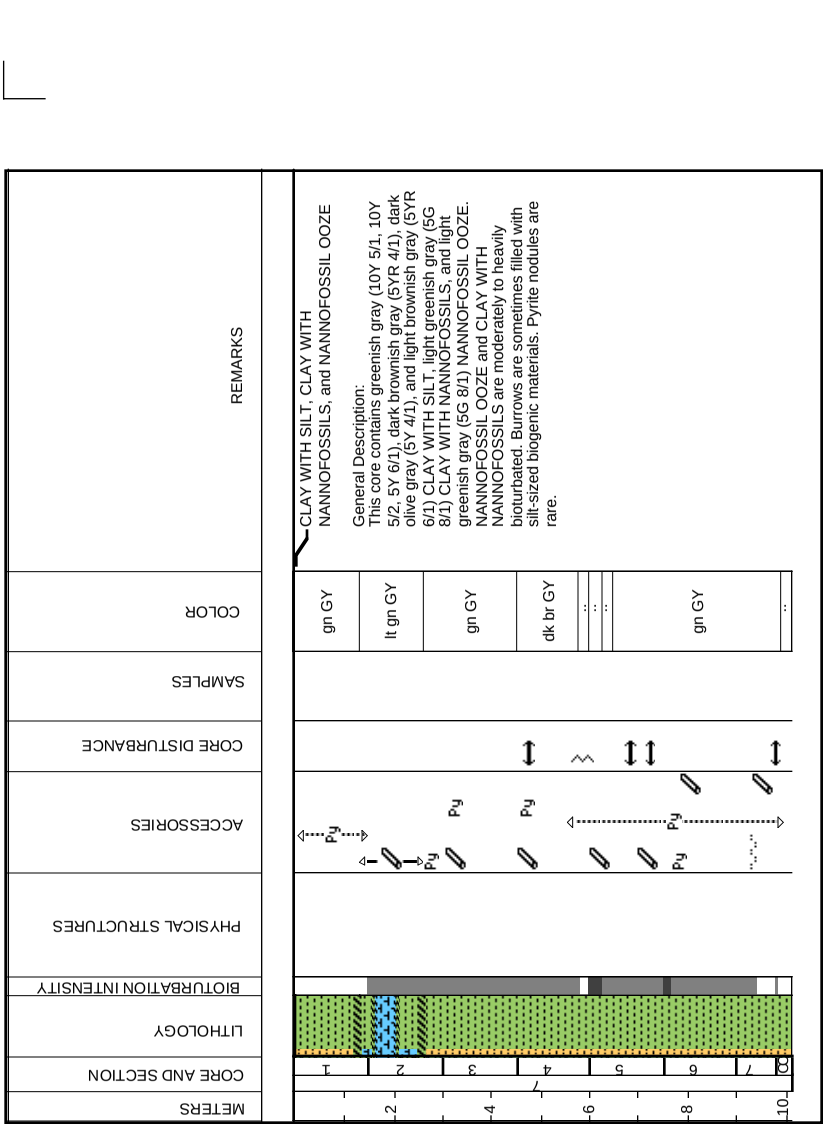

Site 1058 Hole C Core 5H
Cored 31.0-40.5 mbsf
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
COLOR
REMARKS
NANNOFOSSIL CLAY and NANNOFOSSIL OOZE
General Description:
This core consists of light olive gray (5YR 6/1) and greenish gray (10Y 5/1) CLAY WITH NANNOFOSSILS, light greenish gray (5G 8/1) NANNOFOSSIL OOZE, and greenish gray (10Y 5/1) and light greenish gray (5G 8/1) NANNOFOSSIL CLAY. The NANNOFOSSIL OOZE and NANNOFOSSIL CLAY are moderately to heavily bioturbated. Diagenetic greenish layers are common in Section 3. Pyrite nodules are rare in the CLAY WITH NANNOFOSSILS.
lt gn GY
gn GY
lt ol GY
gn GY
Py
1
2
3
4
5
6
7
CC
2
4
6
8
10

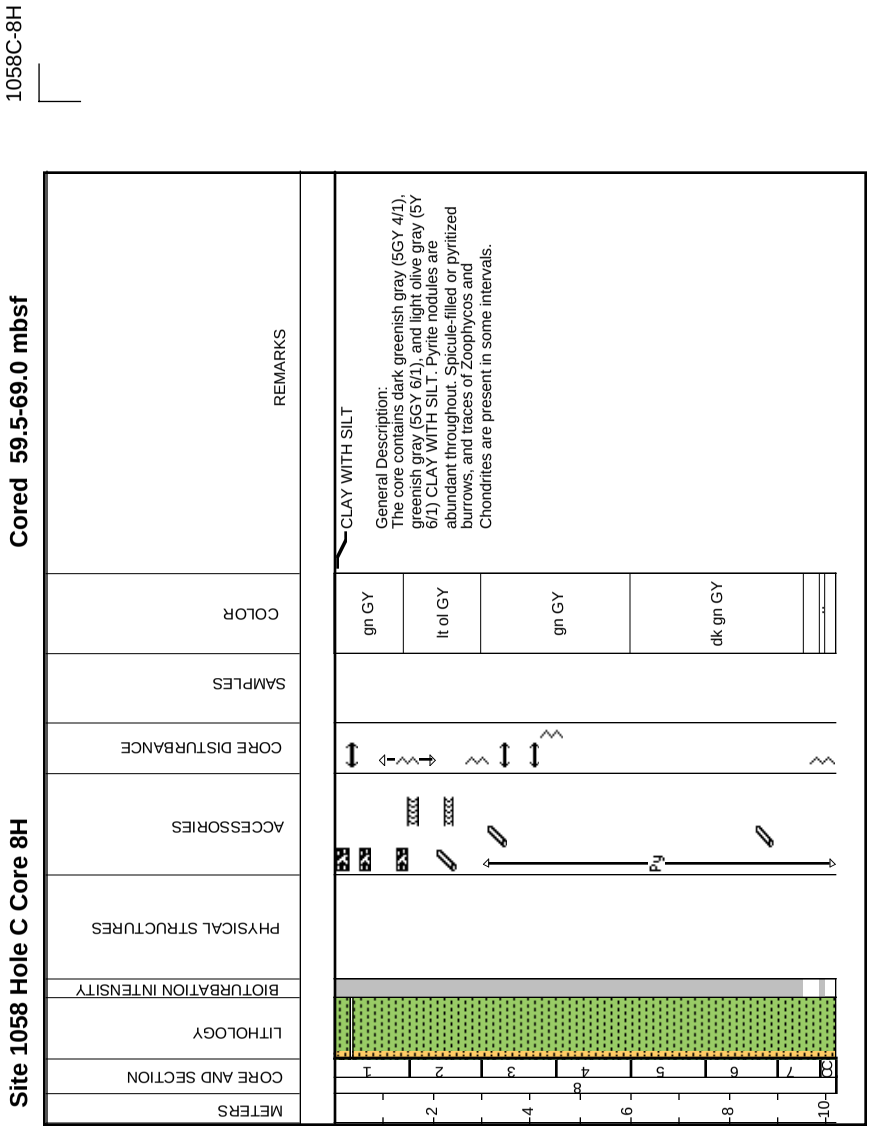
Site 1058 Hole C Core 6H — Cored 40.5-50.0 mbsf

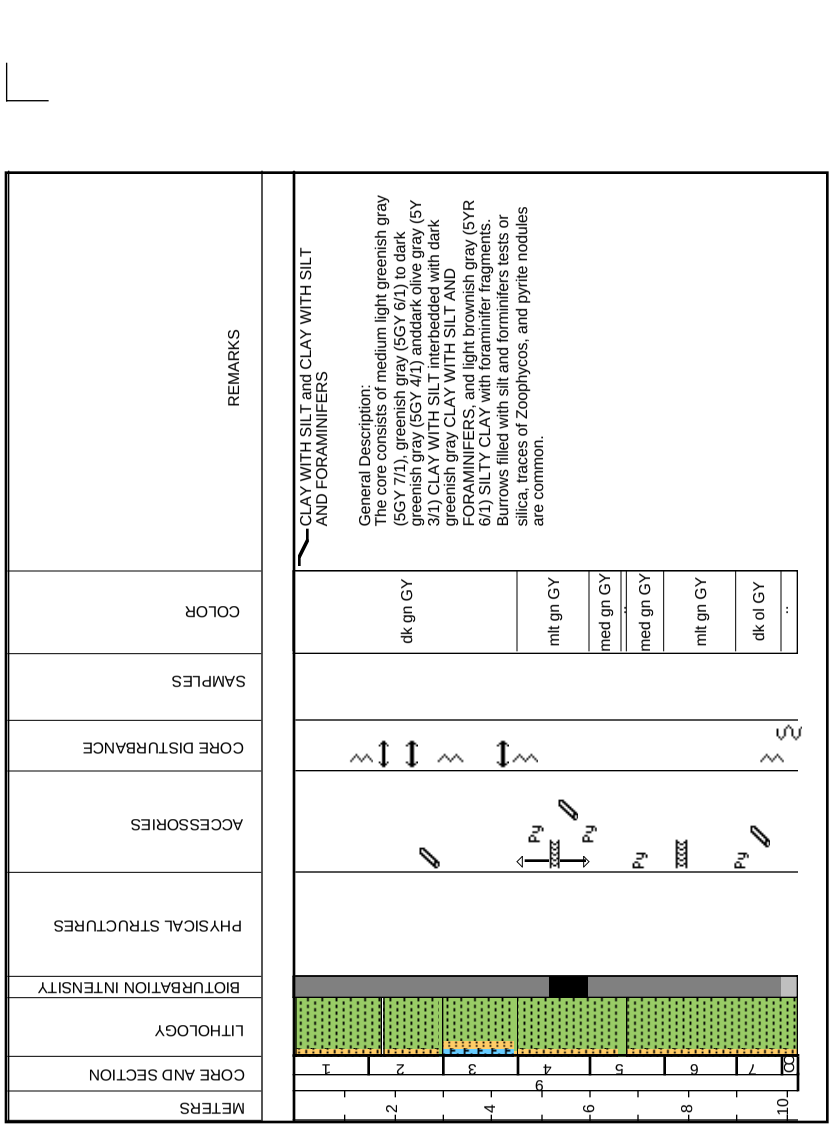


CLAY WITH SILT, CLAY WITH NANNOFOSSILS, NANNOFOSSIL OOZE, and CLAY

General Description:
This core contains dark greenish gray (10Y 4/1) and greenish gray (7.5GY 6/2, 10Y 5/1, and 10Y 5/2) CLAY WITH SILT, greenish gray (10Y 5/1) CLAY WITH NANNOFOSSILS, light greenish gray (5G 8/1) NANNOFOSSIL OOZE. and greenish gray (10Y 5/1) CLAY. The NANNOFOSSIL OOZE and CLAY WITH NANNOFOSSILS are moderately to heavily bioturbated. Burrows are sometimes filled with silt-sized biogenic material. Pyrite nodules are rare.

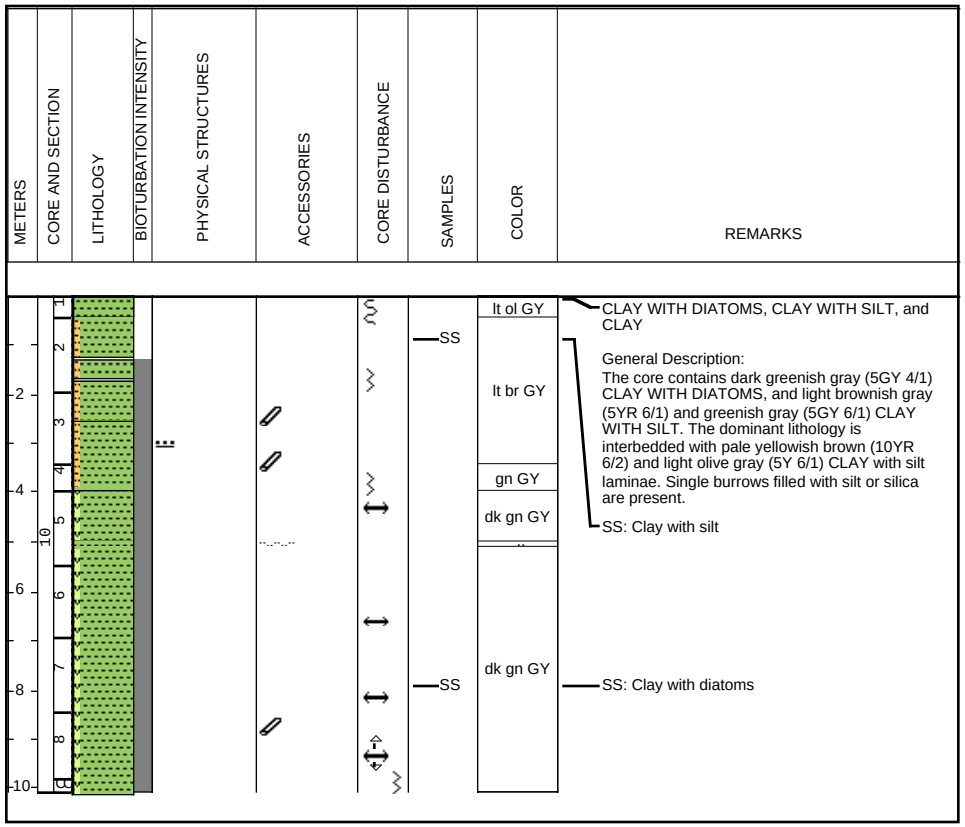

Site 1058 Hole C Core 7H
Cored 50.0-59.5 mbsf
1058C-7H
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
CLAY WITH SILT, CLAY WITH NANNOFOSSILS, and NANNOFOSSIL OOZE
General Description:
This core contains greenish gray (10Y 5/1, 10Y 5/2, 5Y 6/1), dark brownish gray (5YR 4/1), dark olive gray (5Y 4/1), and light brownish gray (5YR 6/1) CLAY WITH SILT, light greenish gray (5G 8/1) CLAY WITH NANNOFOSSILS, and light greenish gray (5G 8/1) NANNOFOSSIL OOZE. NANNOFOSSIL OOZE and CLAY WITH NANNOFOSSILS are moderately to heavily bioturbated. Burrows are sometimes filled with silt-sized biogenic materials. Pyrite nodules are rare.
gn GY
lt gn GY
gn GY
dk br GY
gn GY
Py
1
2
3
4
5
6
7
CC
2
4
6
8
10


1058C-8H
Site 1058 Hole C Core 8H
Cored 59.5-69.0 mbsf
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
CLAY WITH SILT
General Description:
The core contains dark greenish gray (5GY 4/1), greenish gray (5GY 6/1), and light olive gray (5Y 6/1) CLAY WITH SILT. Pyrite nodules are abundant throughout. Spicule-filled or pyritized burrows, and traces of Zoophycos and Chondrites are present in some intervals.
gn GY
lt ol GY
gn GY
dk gn GY
Py
1
2
3
4
5
6
7
CC
0
2
4
6
8
10


Site 1058 Hole C Core 9H
Cored 69.0-78.5 mbsf
1058C-9H
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
CLAY WITH SILT and CLAY WITH SILT AND FORAMINIFERS
General Description:
The core consists of medium light greenish gray (5GY 7/1), greenish gray (5GY 6/1) to dark greenish gray (5GY 4/1) anddark olive gray (5Y 3/1) CLAY WITH SILT interbedded with dark greenish gray CLAY WITH SILT AND FORAMINIFERS, and light brownish gray (5YR 6/1) SILTY CLAY with foraminifer fragments. Burrows filled with silt and forminifers tests or silica, traces of Zoophycos, and pyrite nodules are common.
dk gn GY
mlt gn GY
med gn GY
med gn GY
mlt gn GY
dk ol GY
Py
CC

Site 1058 Hole C Core 10H

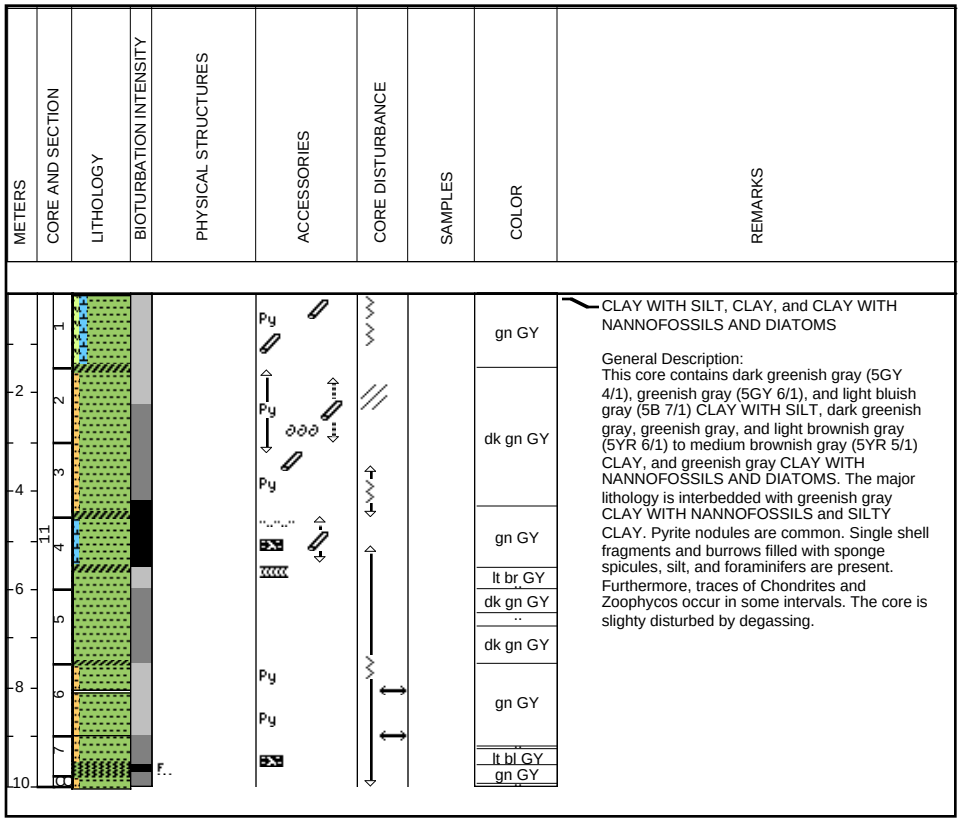
Cored 78.5-88.0 mbsf



Site 1058 Hole C Core 11H

Cored 88.0-97.5 mbsf

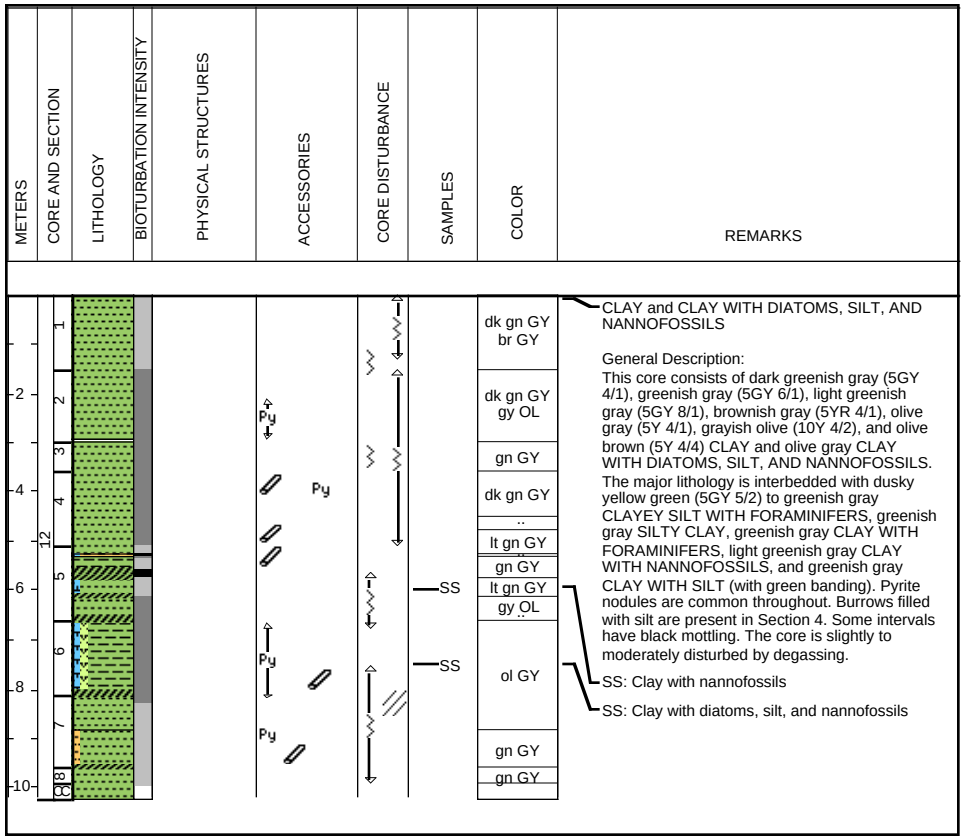
1058C-11H

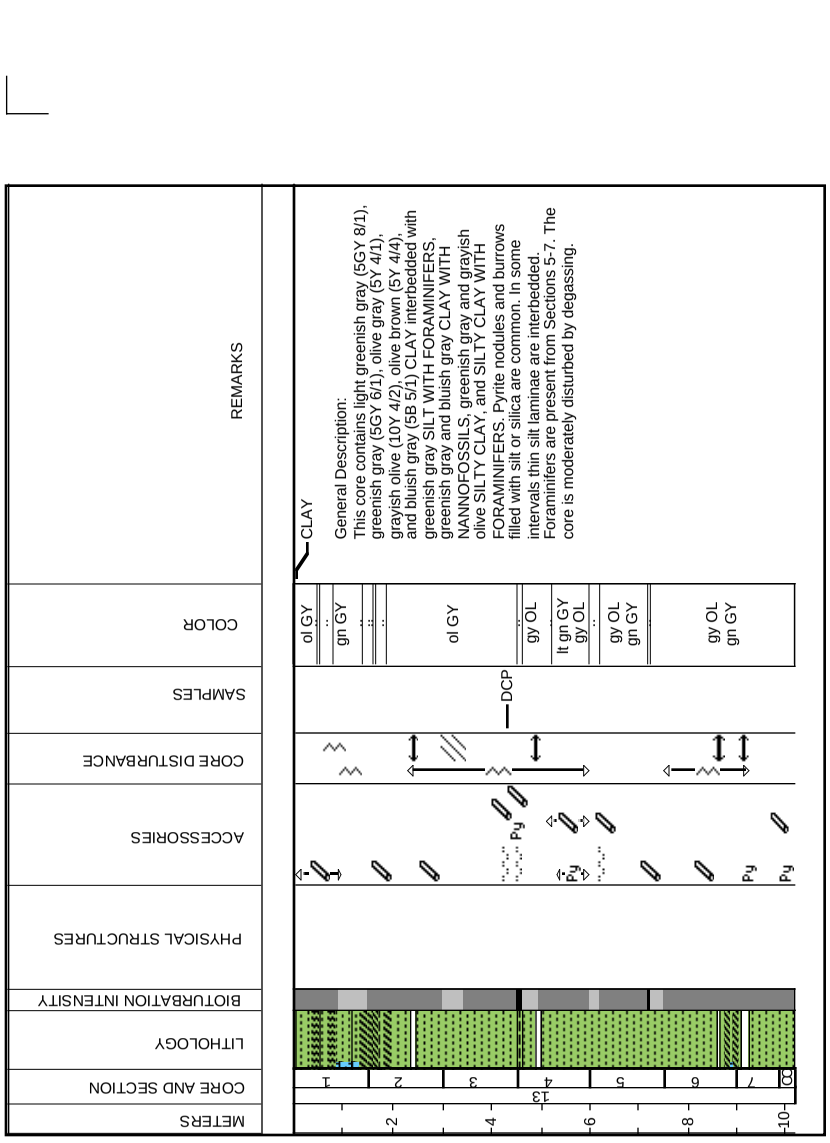


CLAY WITH SILT, CLAY, and CLAY WITH NANNOFOSSILS AND DIATOMS

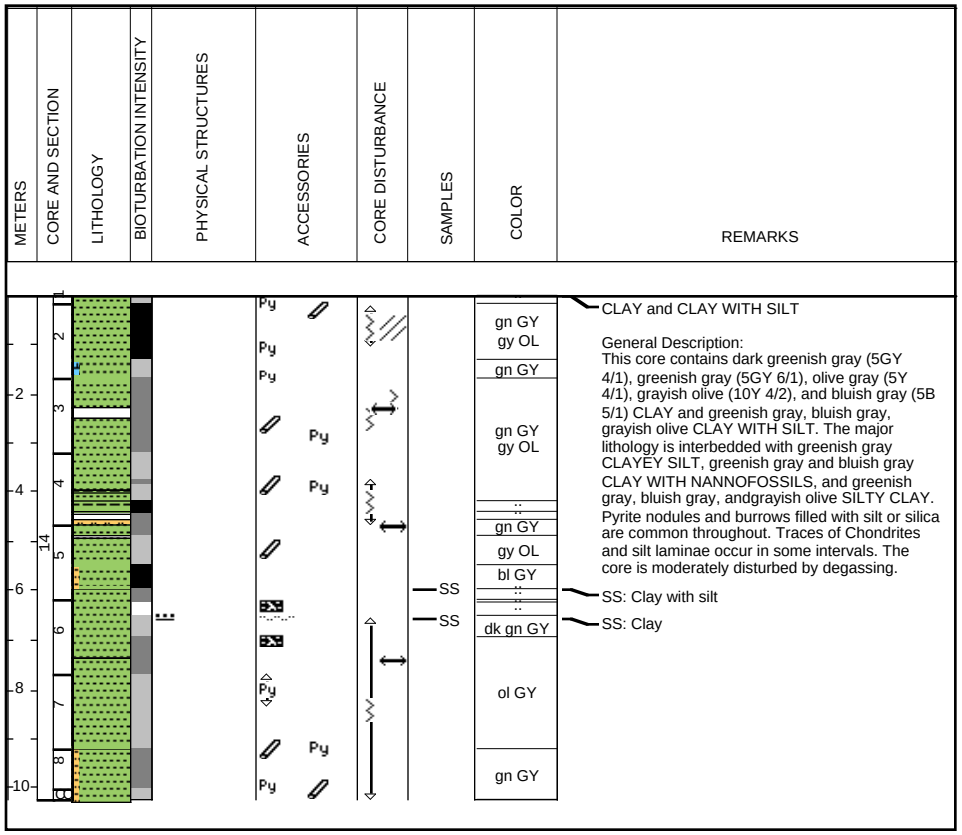
General Description:
This core contains dark greenish gray (5GY 4/1), greenish gray (5GY 6/1), and light bluish gray (5B 7/1) CLAY WITH SILT, dark greenish gray, greenish gray, and light brownish gray (5YR 6/1) to medium brownish gray (5YR 5/1) CLAY, and greenish gray CLAY WITH NANNOFOSSILS AND DIATOMS. The major lithology is interbedded with greenish gray CLAY WITH NANNOFOSSILS and SILTY CLAY. Pyrite nodules are common. Single shell fragments and burrows filled with sponge spicules, silt, and foraminifers are present. Furthermore, traces of Chondrites and Zoophycos occur in some intervals. The core is slighty disturbed by degassing.

Site 1058 Hole C Core 12H — Cored 97.5-107.0 mbsf




Site 1058 Hole C Core 13H
Cored 107.0-116.5 mbsf
1058C-13H
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
CLAY
DCP
ol GY
gn GY
ol GY
gy OL
lt gn GY
gy OL
gy OL
gn GY
gy OL
gn GY
Py
General Description:
This core contains light greenish gray (5GY 8/1), greenish gray (5GY 6/1), olive gray (5Y 4/1), grayish olive (10Y 4/2), olive brown (5Y 4/4), and bluish gray (5B 5/1) CLAY interbedded with greenish gray SILT WITH FORAMINIFERS, greenish gray and bluish gray CLAY WITH NANNOFOSSILS, greenish gray and grayish olive SILTY CLAY, and SILTY CLAY WITH FORAMINIFERS. Pyrite nodules and burrows filled with silt or silica are common. In some intervals thin silt laminae are interbedded. Foraminifers are present from Sections 5-7. The core is moderately disturbed by degassing.

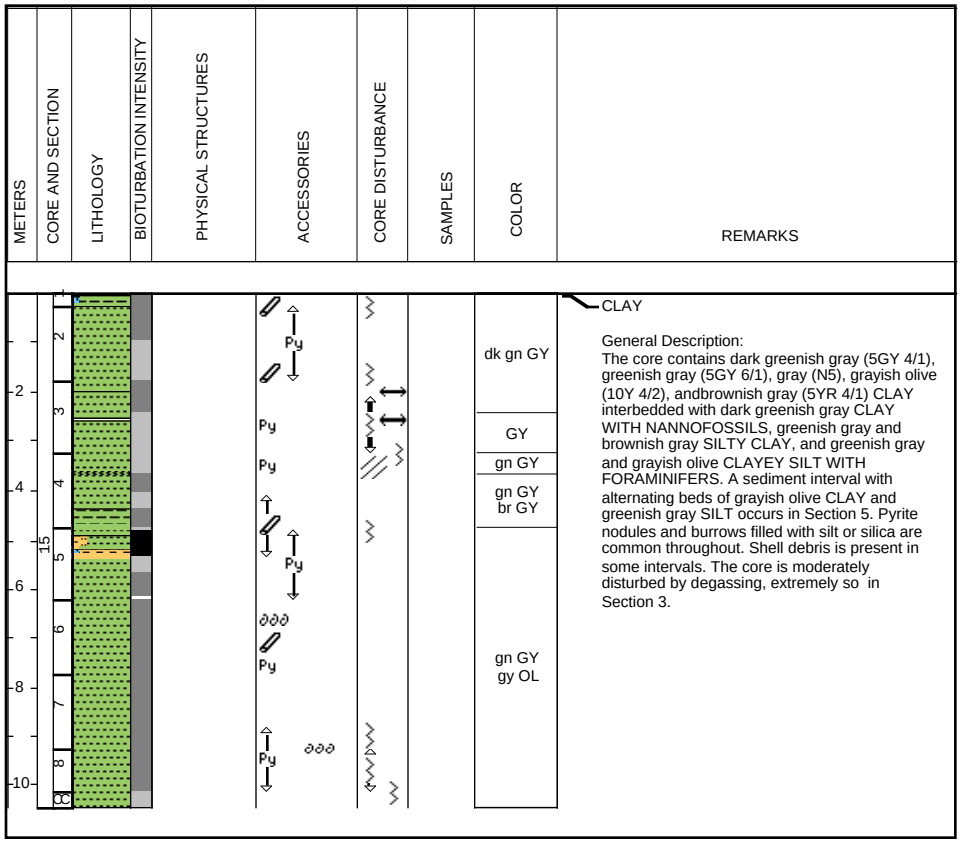
Site 1058 Hole C Core 14H — CORED 116.5-126.0 mbsf



Site 1058 Hole C Core 15H

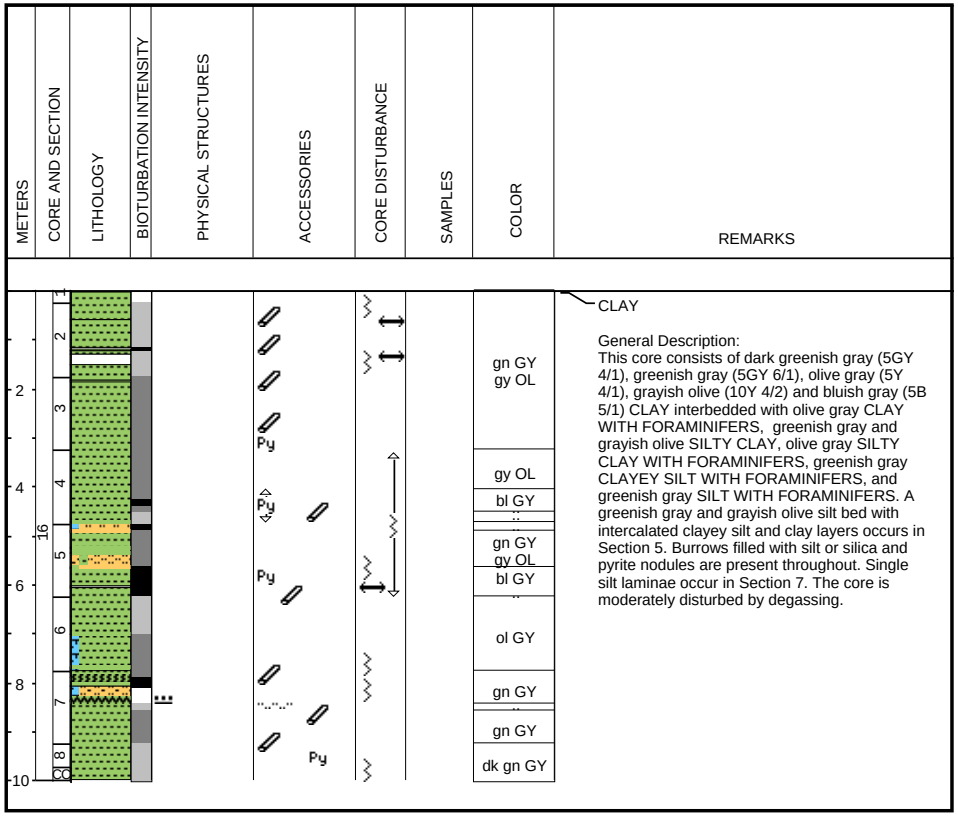
Cored 126.0-135.5 mbsf

1058C-15H



Site 1058 Hole C Core 16H

Cored 135.5-145.0 mbsf



CLAY

General Description:
This core consists of dark greenish gray (5GY 4/1), greenish gray (5GY 6/1), olive gray (5Y 4/1), grayish olive (10Y 4/2) and bluish gray (5B 5/1) CLAY interbedded with olive gray CLAY WITH FORAMINIFERS, greenish gray and grayish olive SILTY CLAY, olive gray SILTY CLAY WITH FORAMINIFERS, greenish gray CLAYEY SILT WITH FORAMINIFERS, and greenish gray SILT WITH FORAMINIFERS. A greenish gray and grayish olive silt bed with intercalated clayey silt and clay layers occurs in Section 5. Burrows filled with silt or silica and pyrite nodules are present throughout. Single silt laminae occur in Section 7. The core is moderately disturbed by degassing.

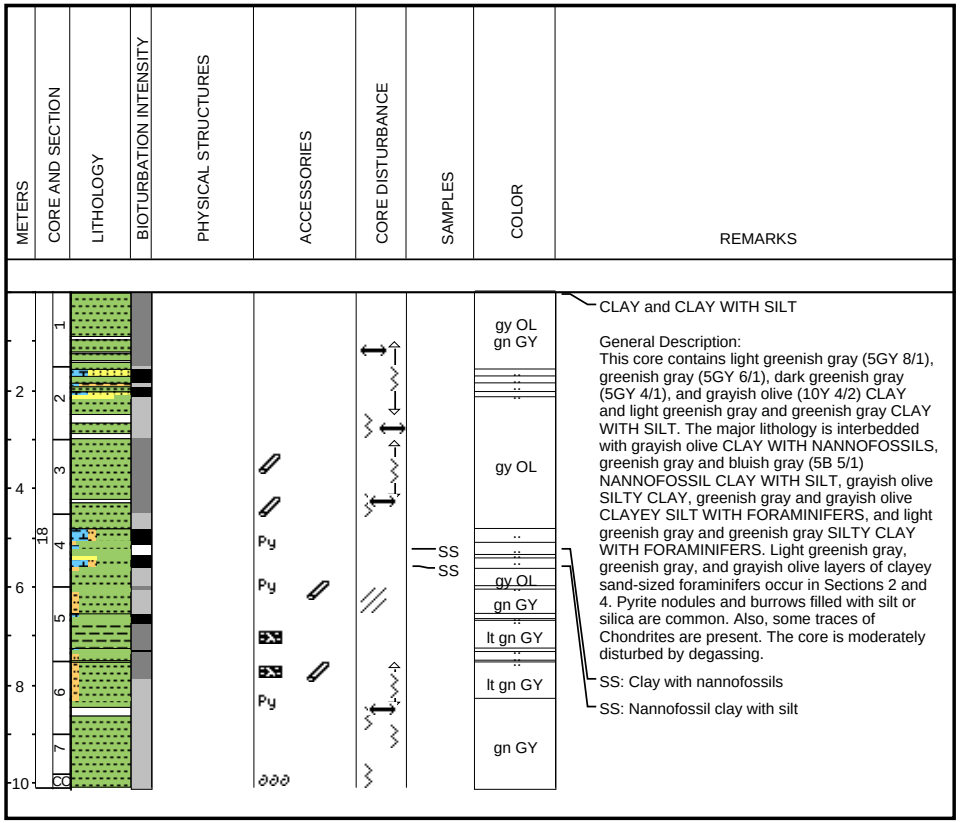
Site 1058 Hole C Core 17H

Cored 145.0-154.5 mbsf

1058C-17H

General Description:
This core consists of greenish gray (5GY 6/1), olive gray (5Y 4/1), grayish olive (10Y 4/2), bluish gray (5B 5/1), and brownish gray (5YR 4/1) CLAY interbedded with greenish gray, grayish olive, bluish gray, and brownish gray SILTY CLAY, greenish gray, bluish gray, and olive gray SILTY CLAY WITH FORAMINIFERS, olive gray and pale brown (5YR 5/2) CLAY WITH SILT, olive gray CLAYEY SILT, medium light greenish gray (5GY 7/1) CLAY WITH NANNOFOSSILS, and greenish gray SILT WITH FORAMINIFERS. Burrows filled with silt or silica are common. Pyrite nodules, shell fragments, and silt laminae occur in some interval. The core is slightly to moderately disturbed by degassing.

Site 1058 Hole C Core 18H **Cored 154.5-164.0 mbsf**



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