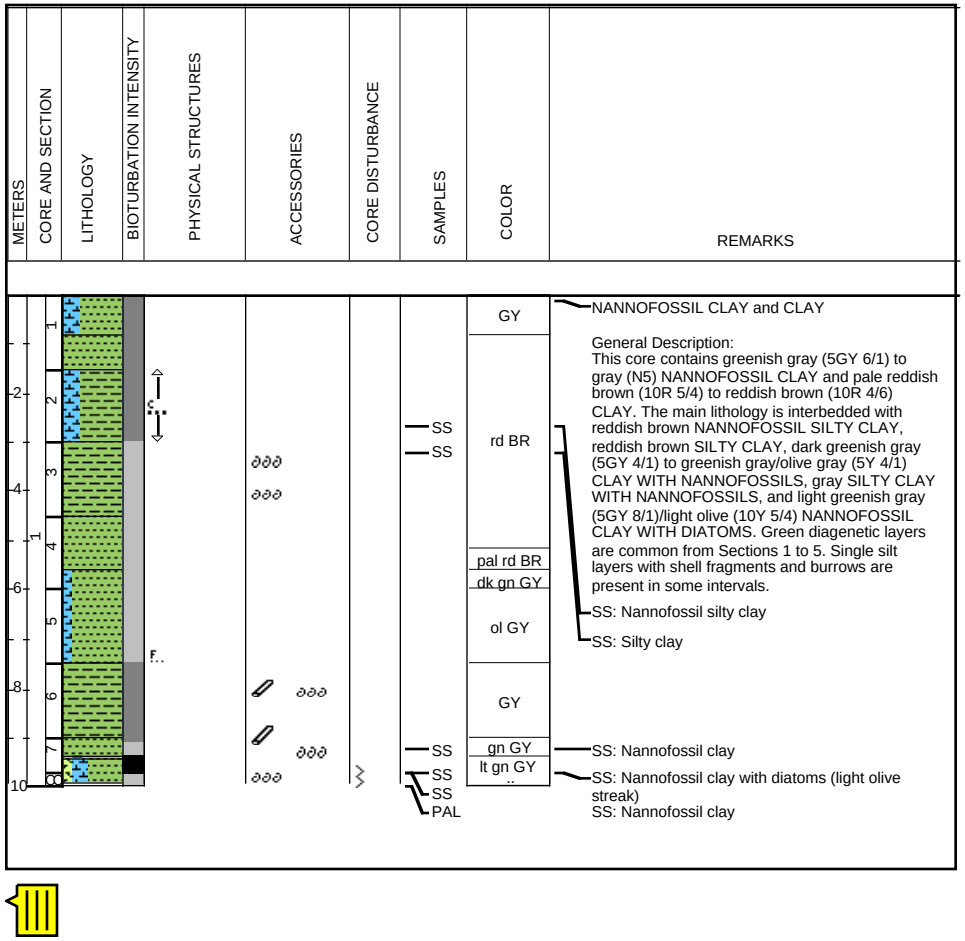
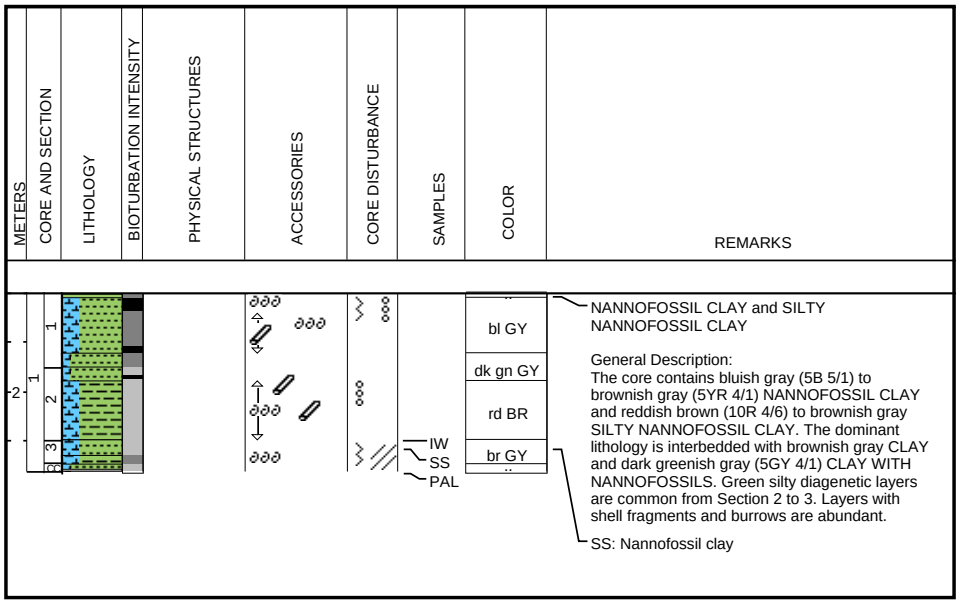
Site 1056 Hole A Core 1H Cored 0.0-9.5 mbsf



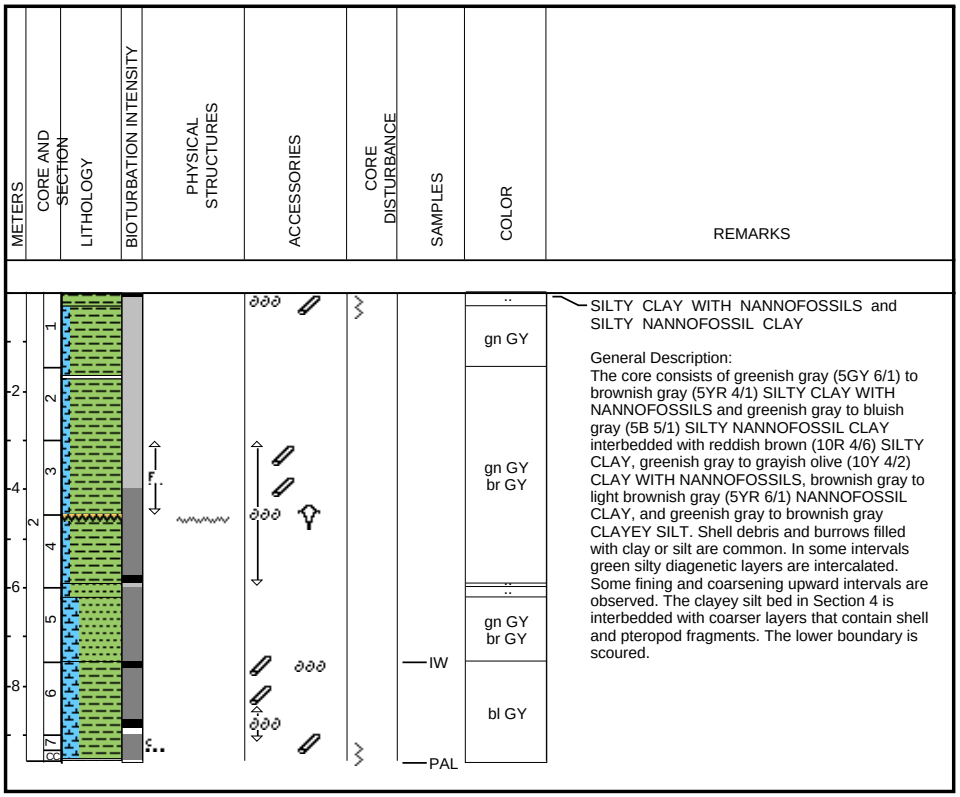
Prior Chapter Contents Next Chapter

Site 1056 Hole B Core 1H Cored 0.0-3.6 mbsf

1056B-1H

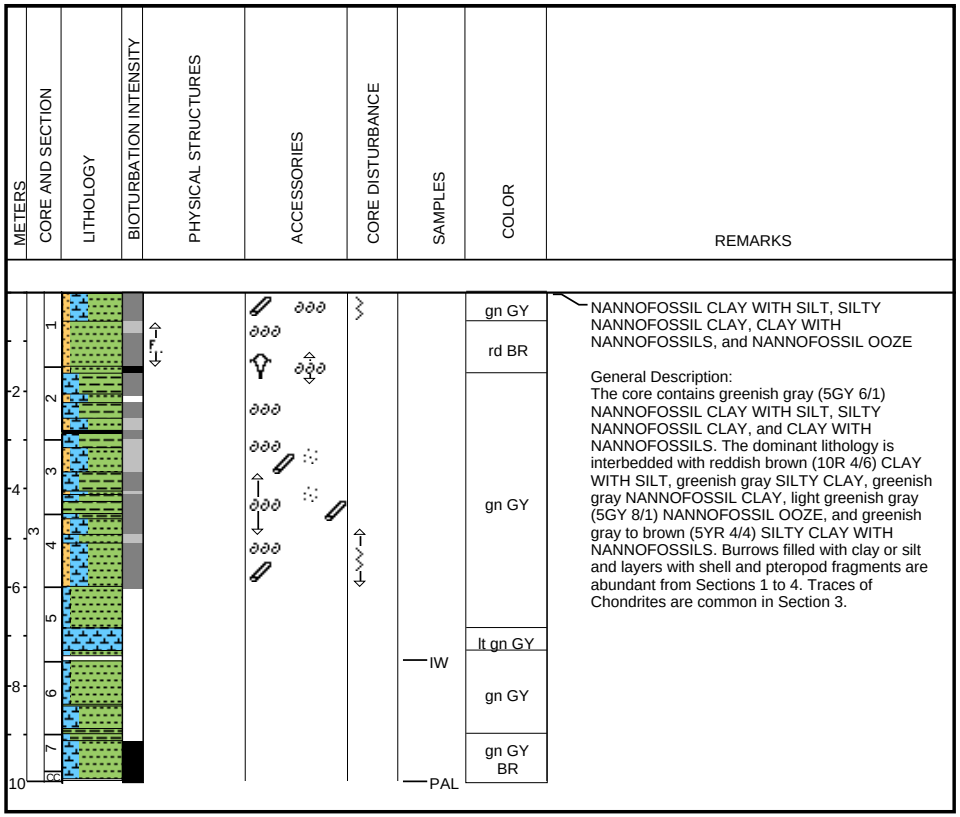


Site 1056 Hole B Core 2H Cored 3.6-13.1 mbsf

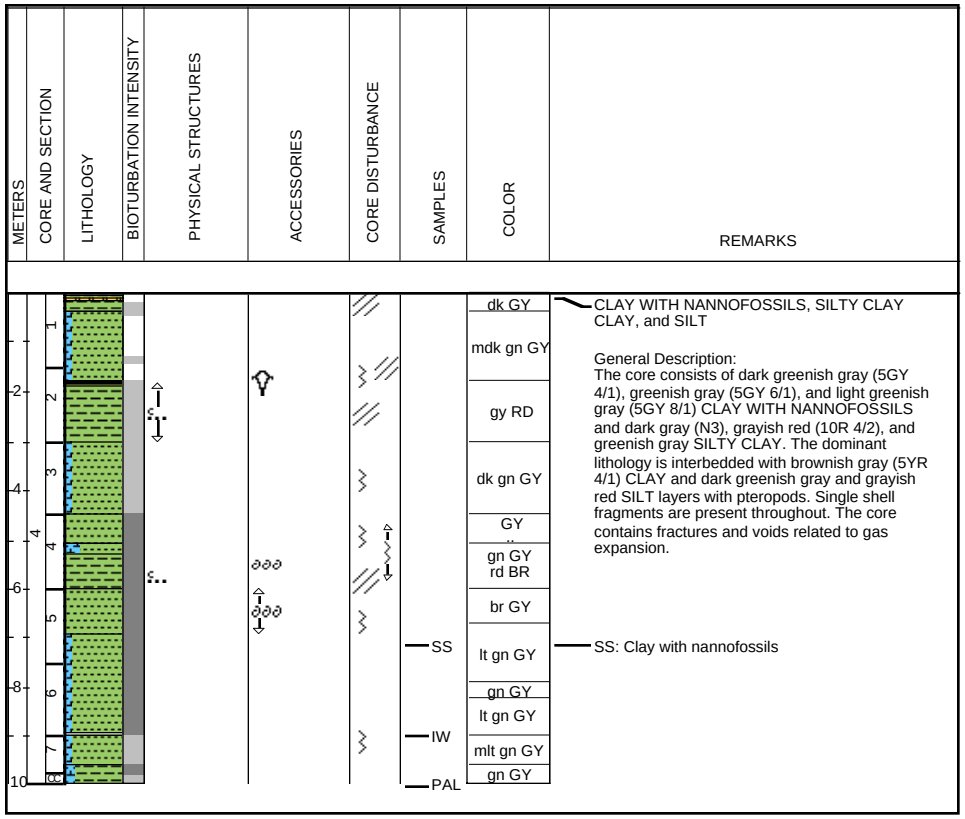


Site 1056 Hole B Core 3H Cored 13.1-22.6 mbsf

1056B-3H

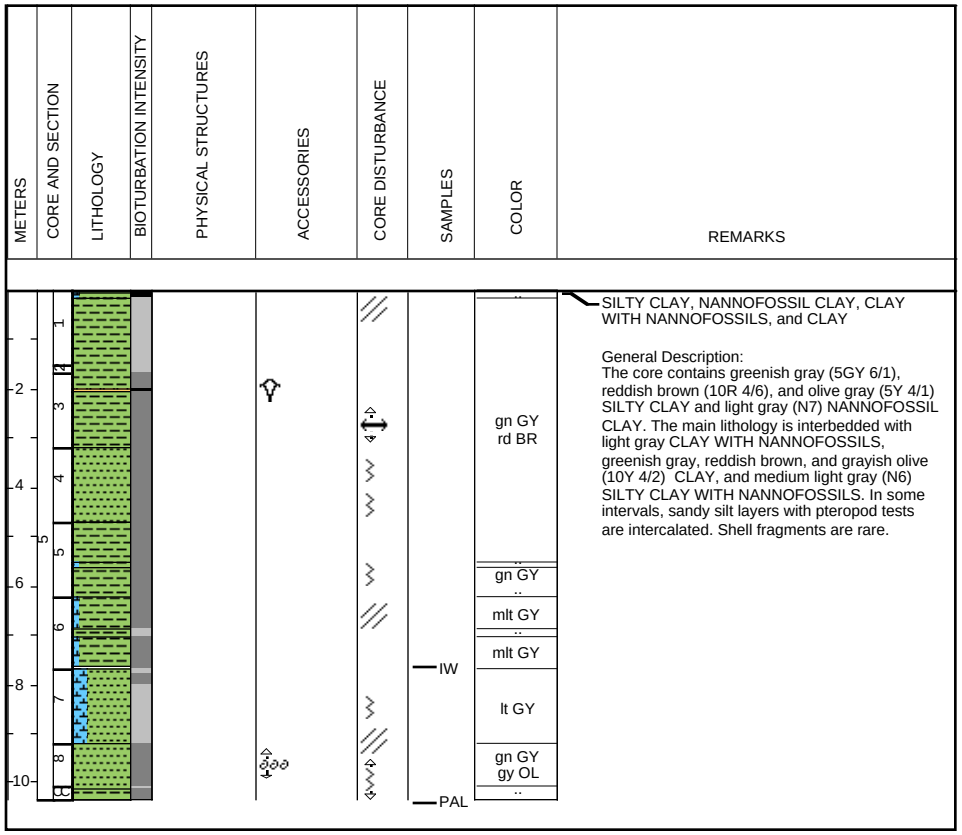


Site 1056 Hole B Core 4H Cored 22.6-32.1 mbsf

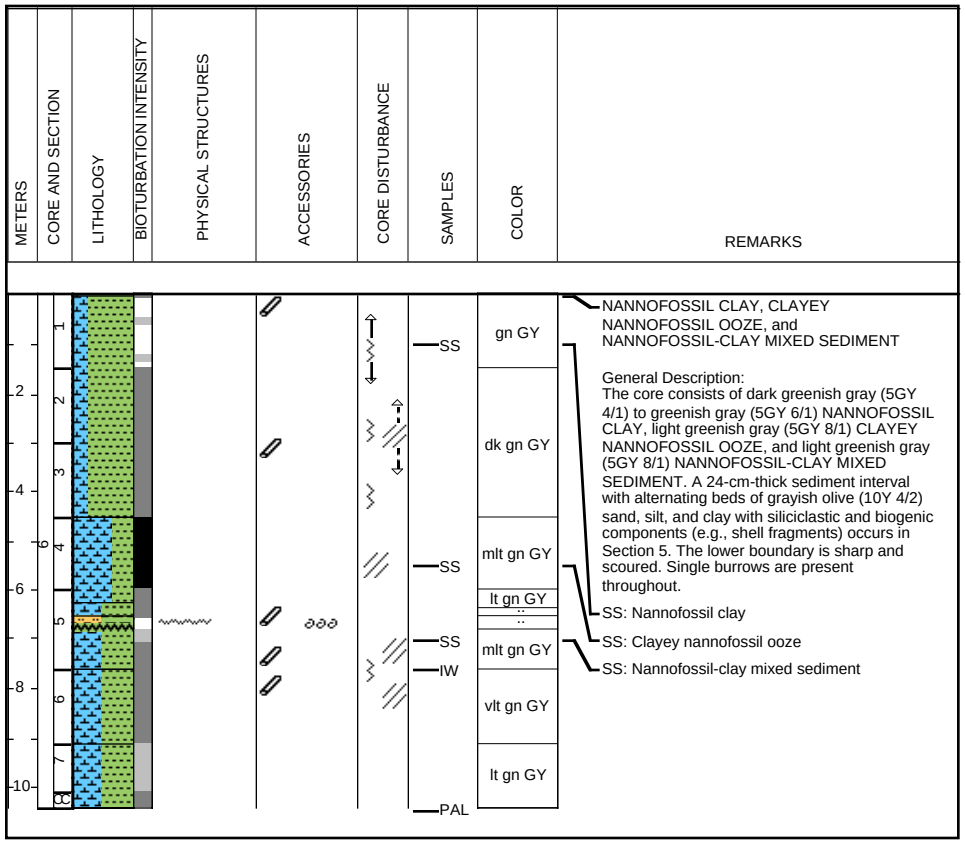


Site 1056 Hole B Core 5H Cored 32.1-41.6 mbsf

1056B-5H

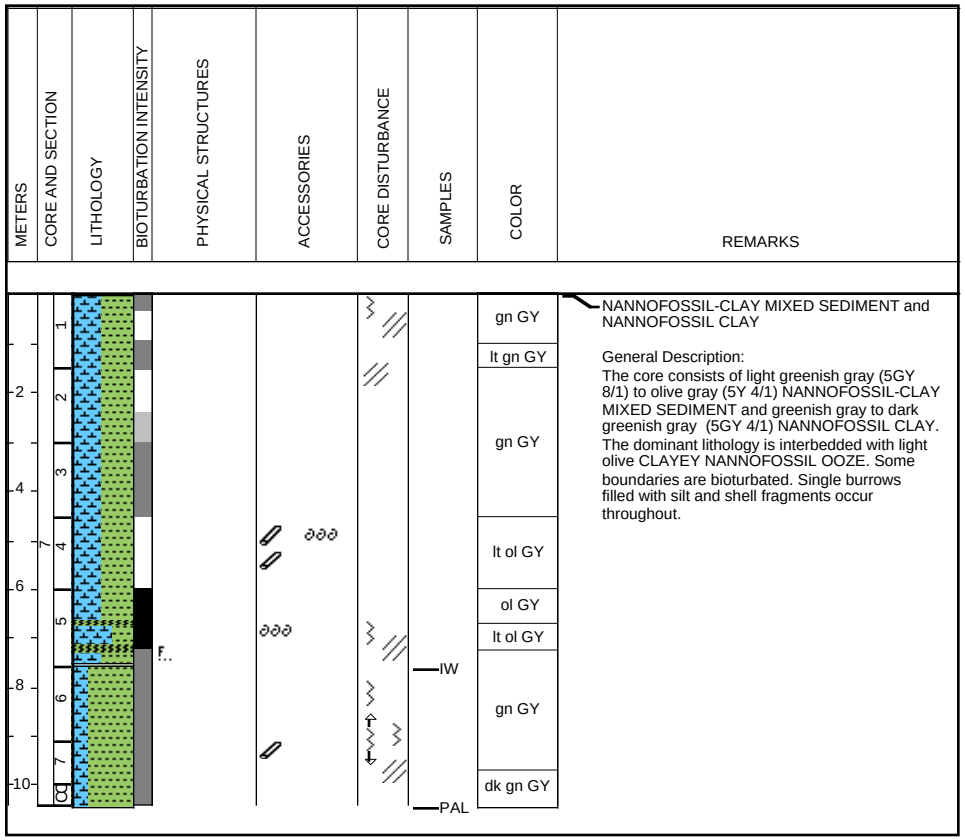


Site 1056 Hole B Core 6H Cored 41.6-51.1 mbsf

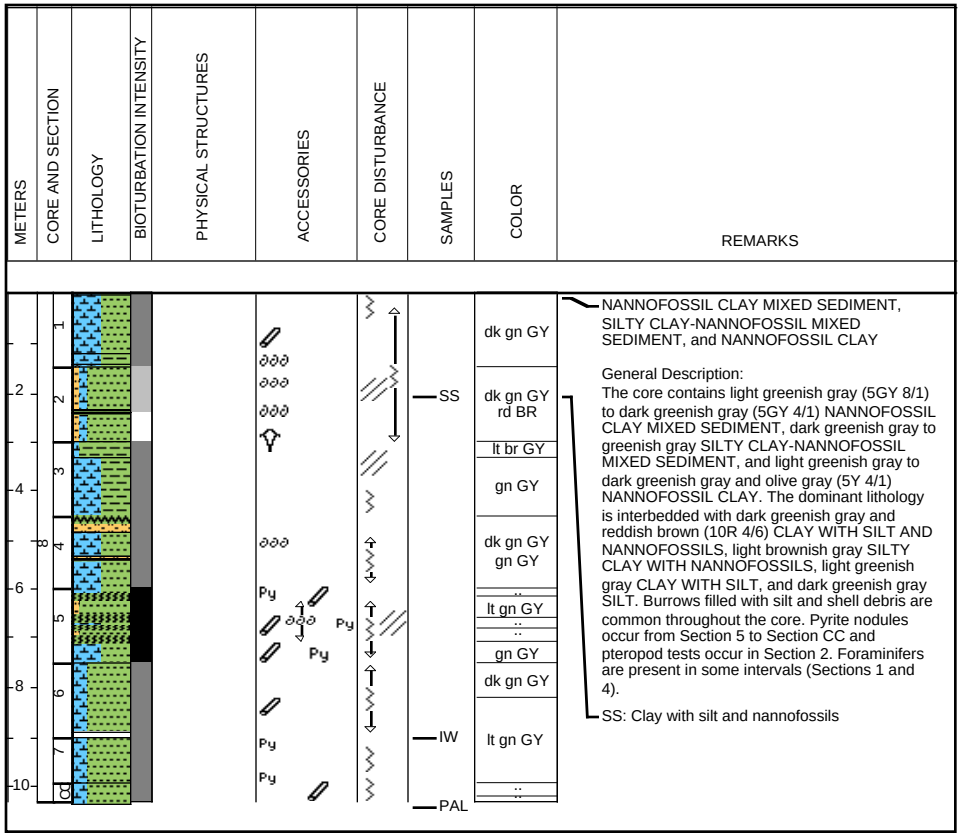


Site 1056 Hole B Core 7H Cored 51.1-60.6 mbsf

1056B-7H

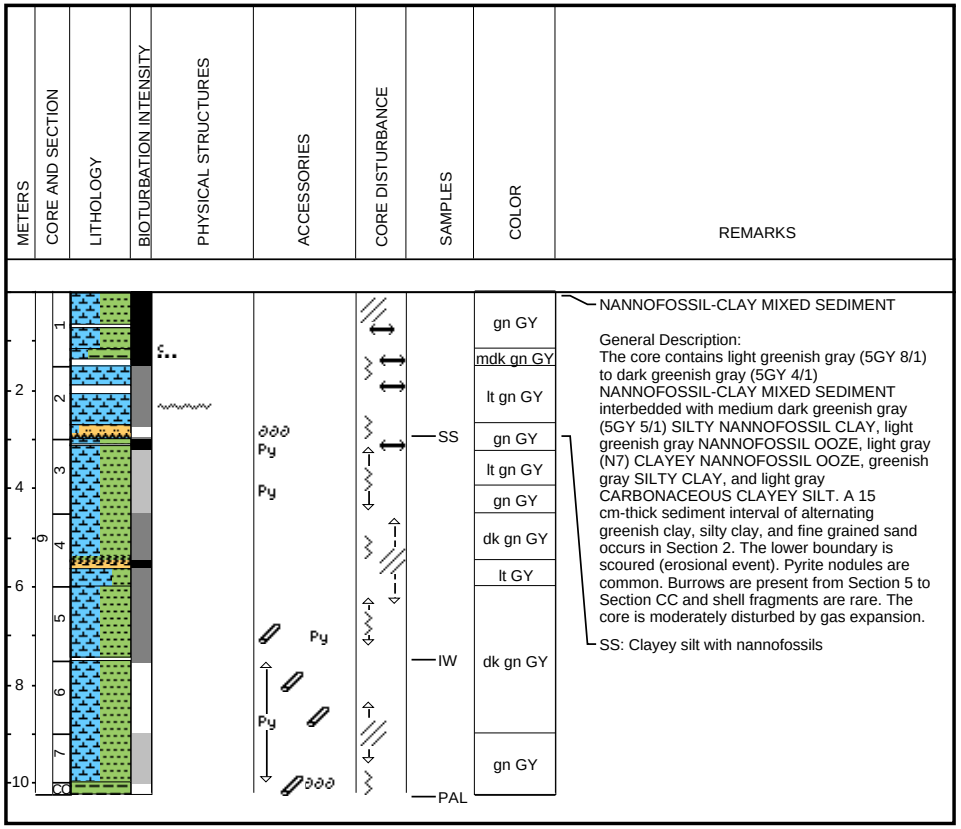


Site 1056 Hole B Core 8H Cored 60.6-70.1 mbsf

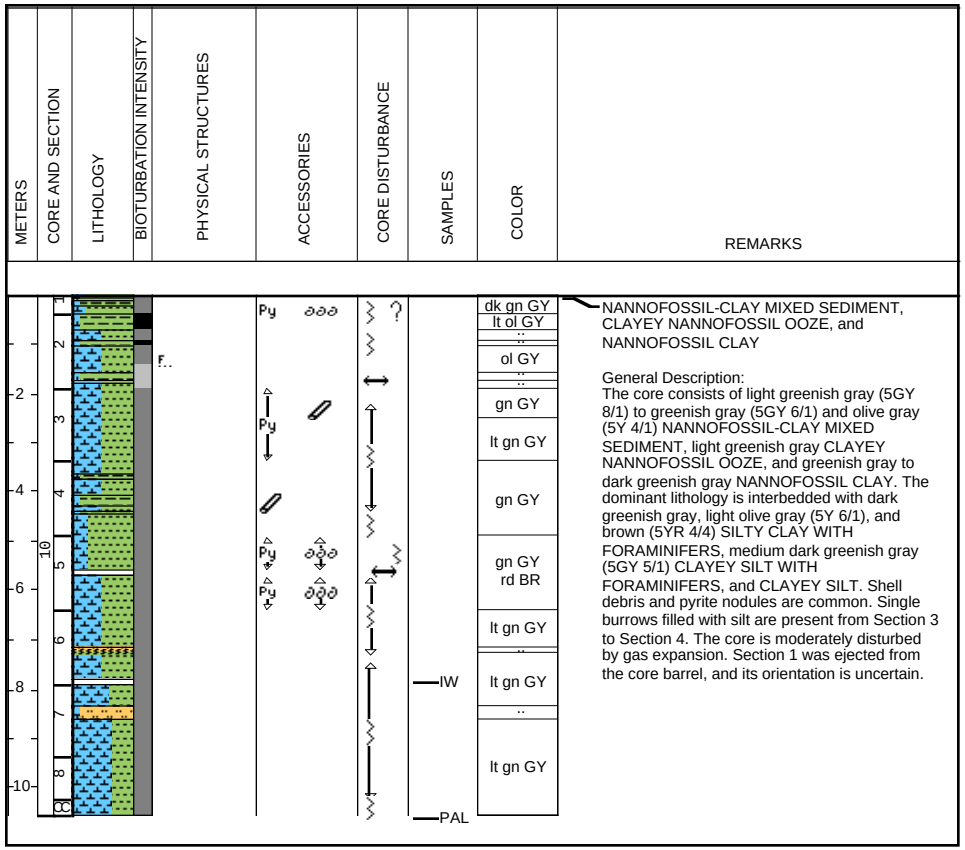


Site 1056 Hole B Core 9H Cored 70.1-79.6 mbsf

1056B-9H



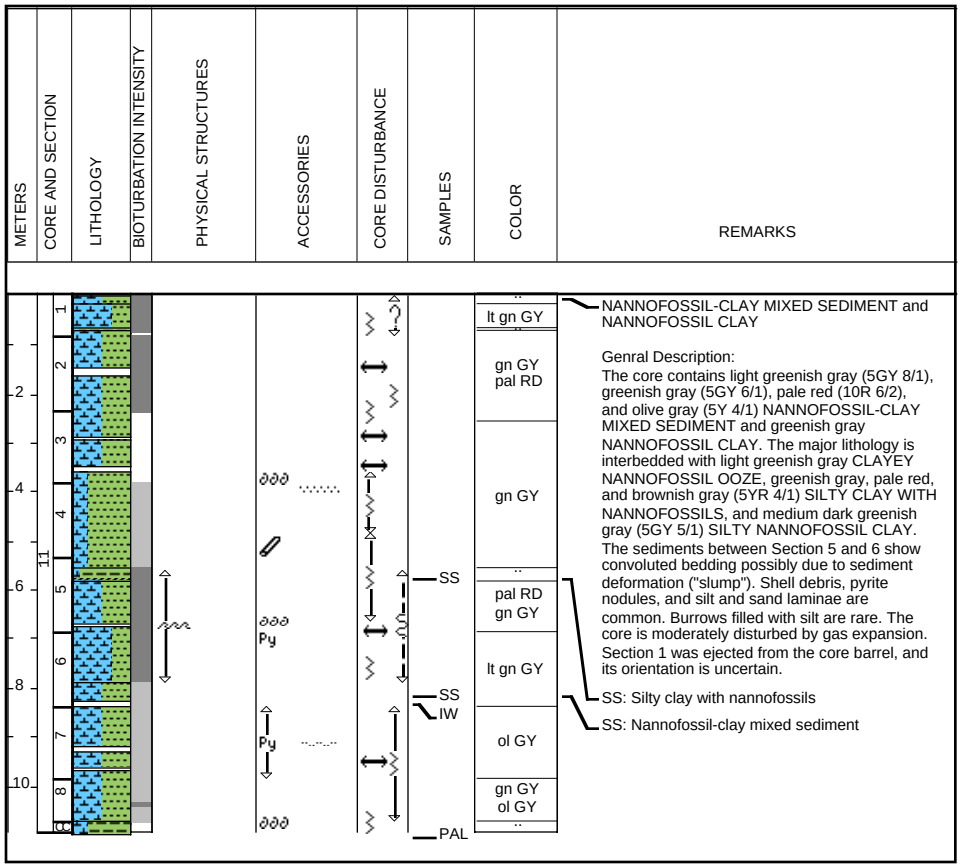
Site 1056 Hole B Core 10H Cored 79.6-89.1 mbsf



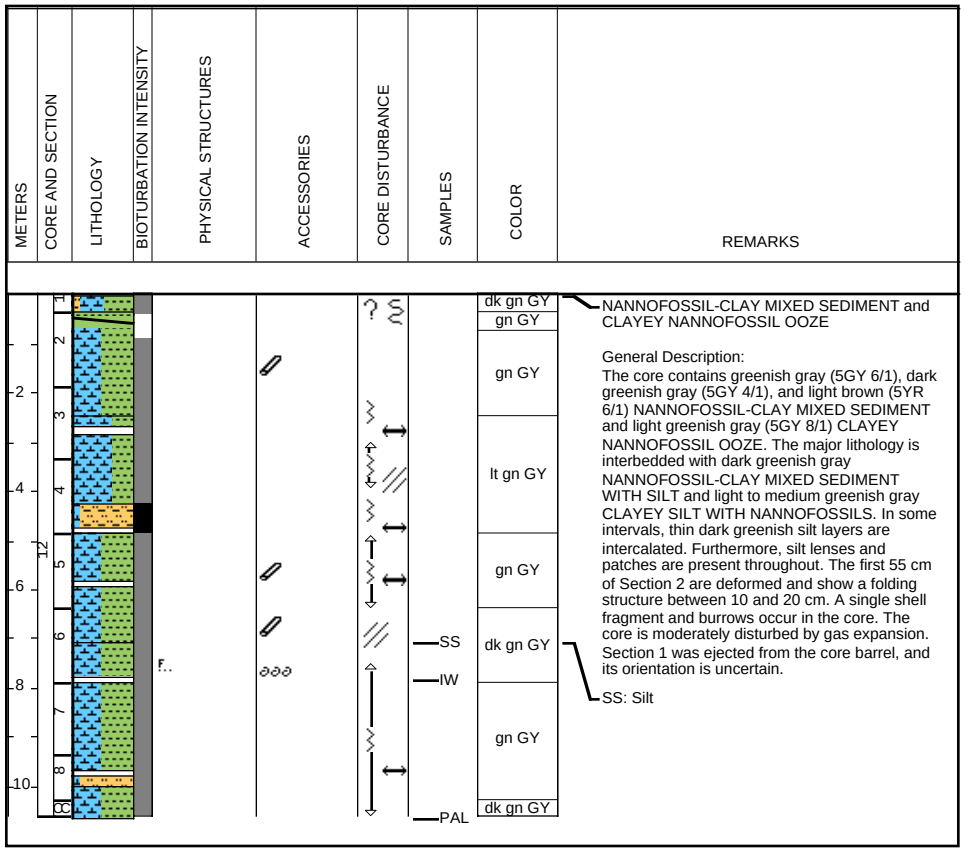
NANNOFOSSIL-CLAY MIXED SEDIMENT, CLAYEY NANNOFOSSIL OOZE, and NANNOFOSSIL CLAY

General Description:
The core consists of light greenish gray (5GY 8/1) to greenish gray (5GY 6/1) and olive gray (5Y 4/1) NANNOFOSSIL-CLAY MIXED SEDIMENT, light greenish gray CLAYEY NANNOFOSSIL OOZE, and greenish gray to dark greenish gray NANNOFOSSIL CLAY. The dominant lithology is interbedded with dark greenish gray, light olive gray (5Y 6/1), and brown (5YR 4/4) SILTY CLAY WITH FORAMINIFERS, medium dark greenish gray (5GY 5/1) CLAYEY SILT WITH FORAMINIFERS, and CLAYEY SILT. Shell debris and pyrite nodules are common. Single burrows filled with silt are present from Section 3 to Section 4. The core is moderately disturbed by gas expansion. Section 1 was ejected from the core barrel, and its orientation is uncertain.

Site 1056 Hole B Core 11H COREDED 89.1-98.6 mbsf

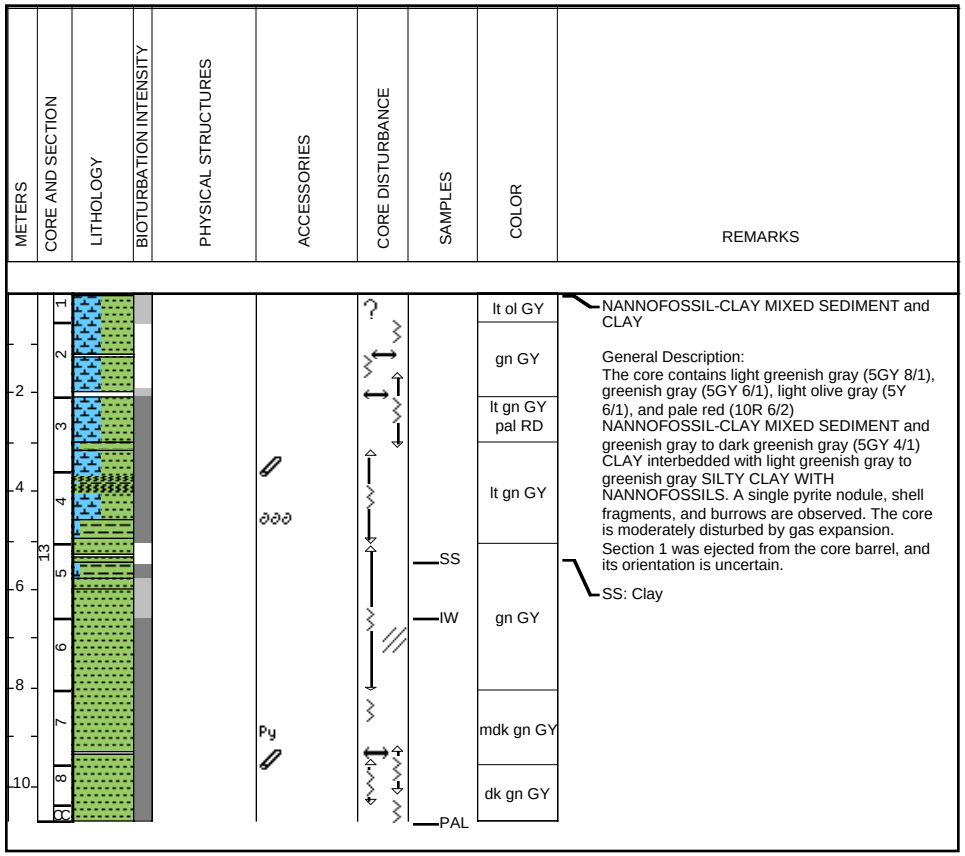


Site 1056 Hole B Core 12H Cored 98.6-108.1 mbsf

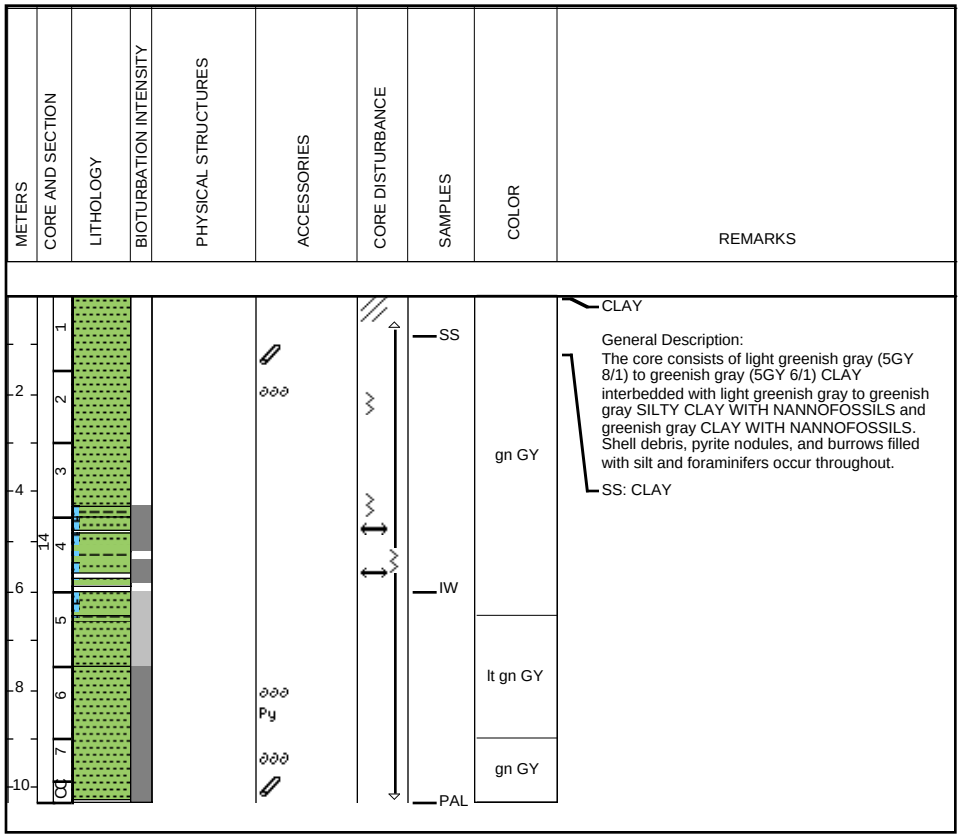


Site 1056 Hole B Core 13H Cored 108.1-117.6 mbsf

1056B-13H

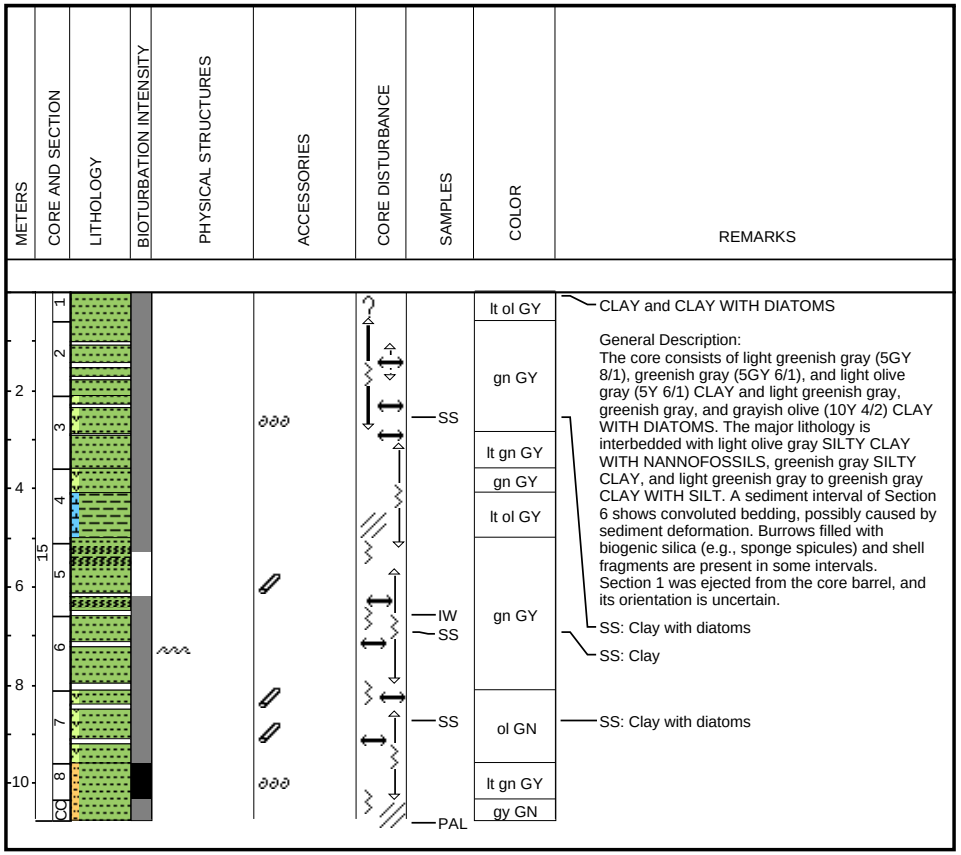


Site 1056 Hole B Core 14H Cored 117.6-127.1 mbsf

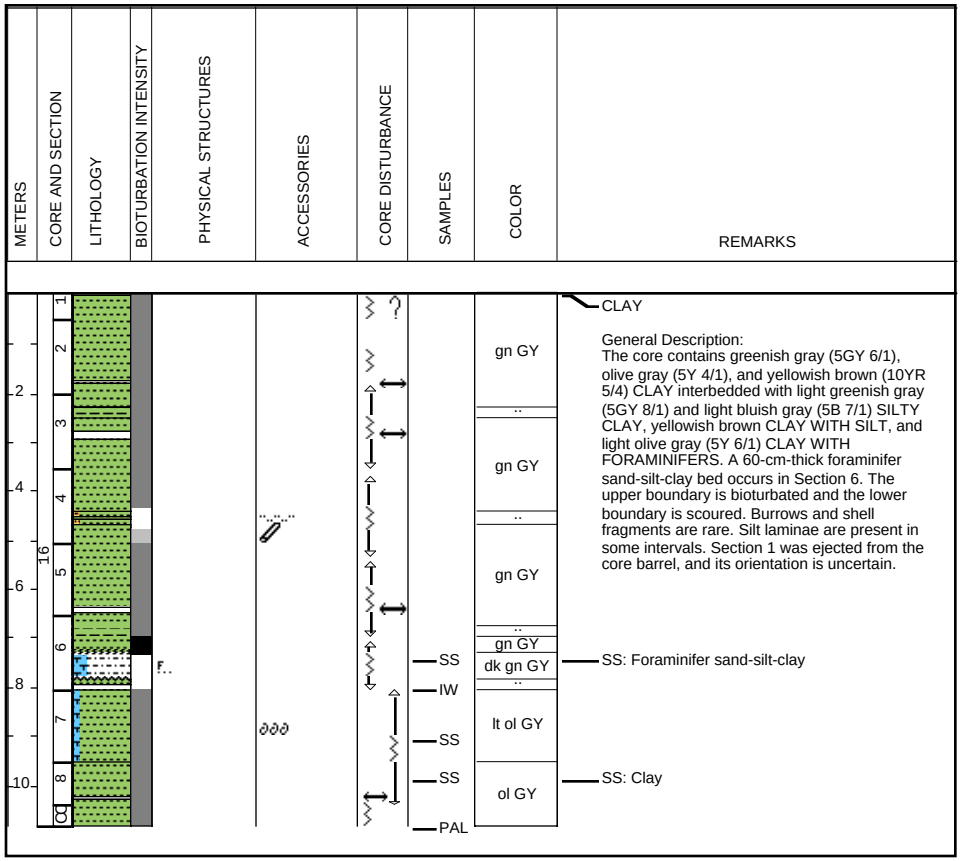


Site 1056 Hole B Core 15H Cored 127.1-136.6 mbsf

1056B-15H

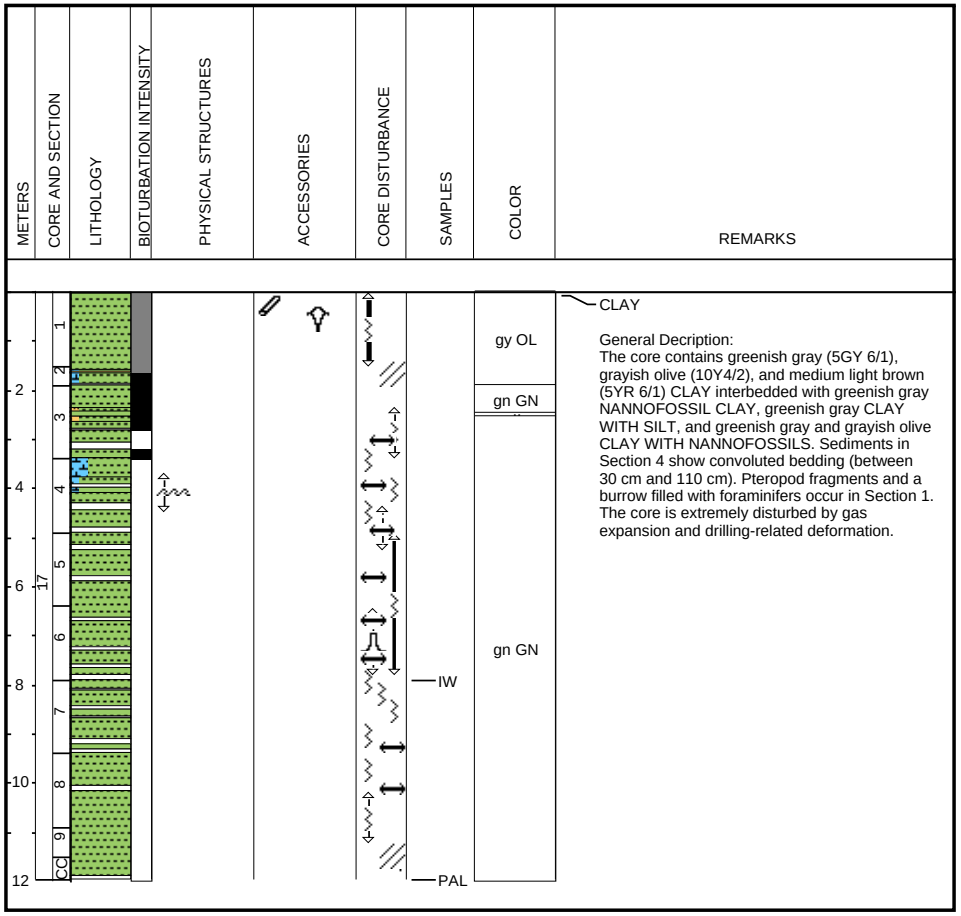


Site 1056 Hole B Core 16H Cored 136.6-146.1 mbsf

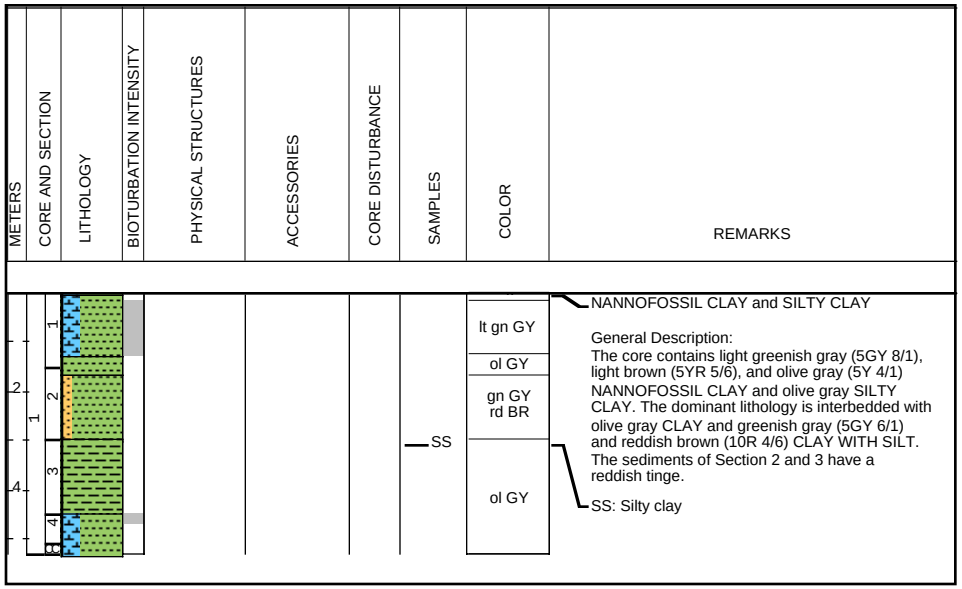


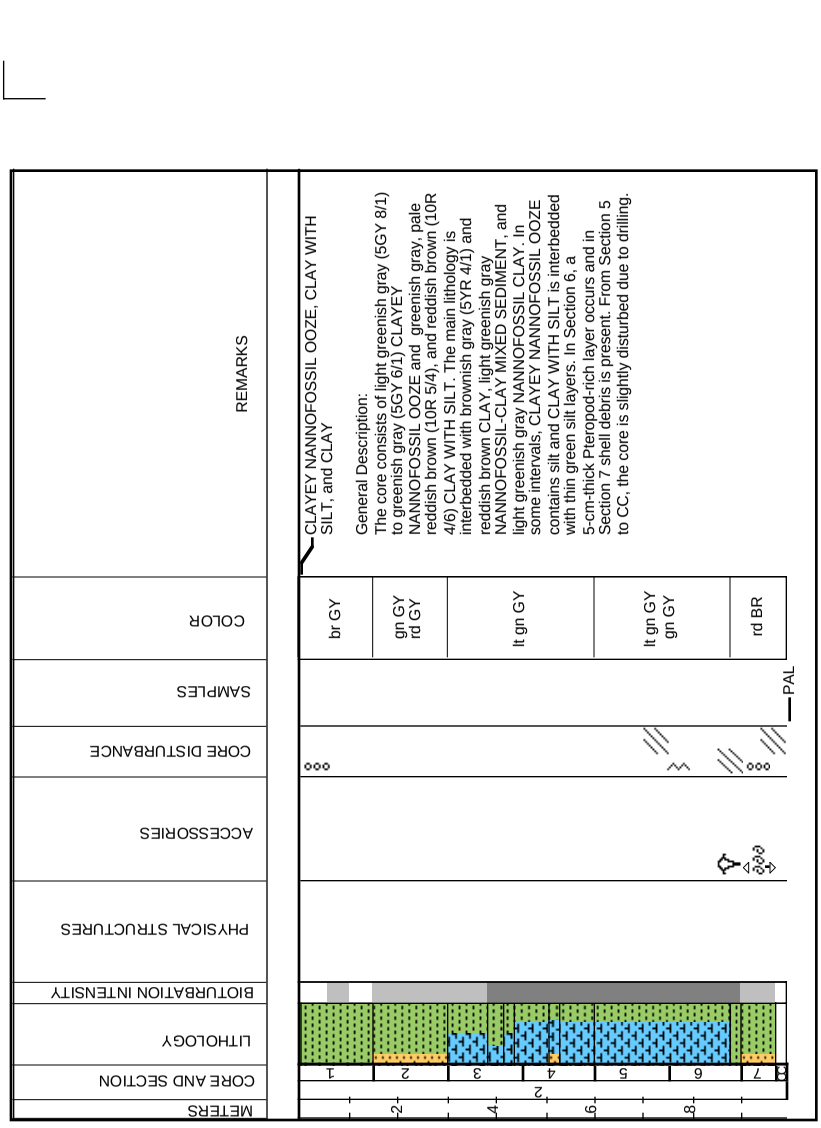
Site 1056 Hole B Core 17H Cored 146.1-155.6 mbsf

1056B-17H

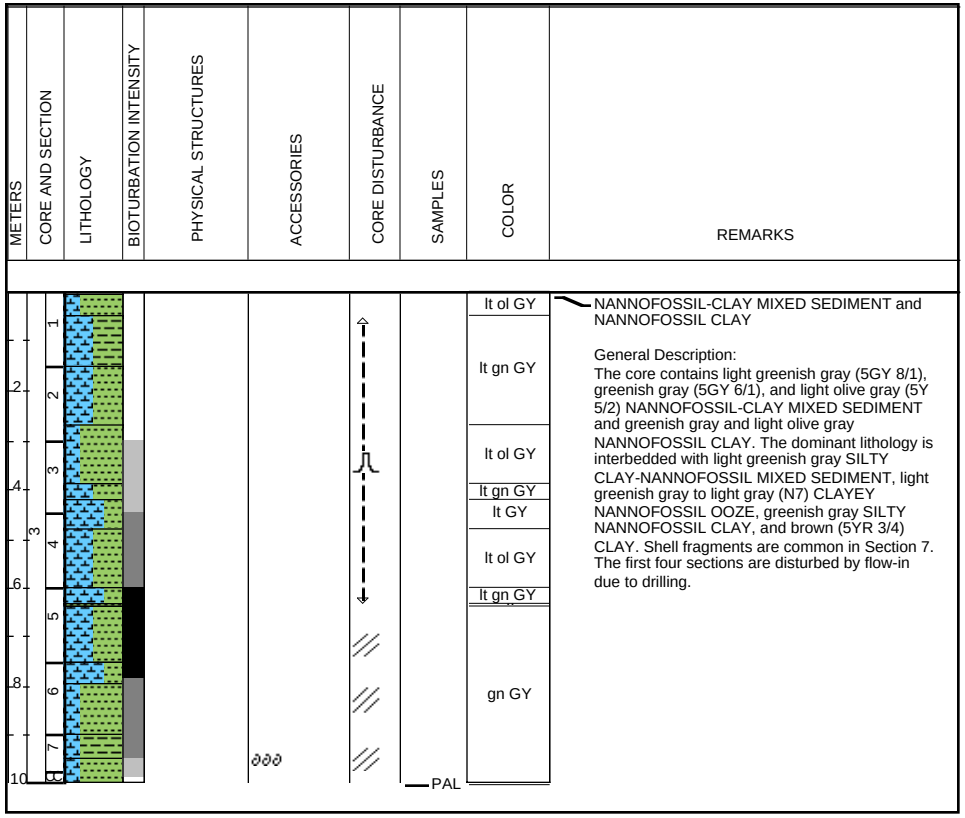


Site 1056 Hole C Core 1H Cored 0.0-5.3 mbsf

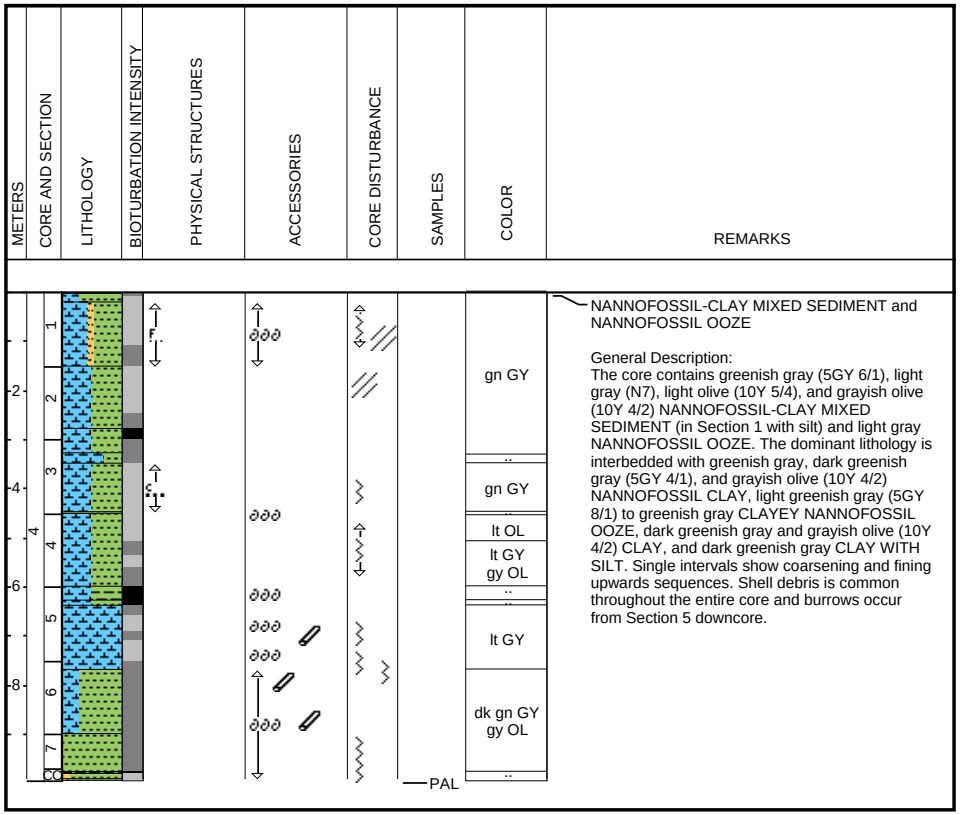



Site 1056 Hole C Core 2H Cored 5.3-14.8 mbsf
1056C-2H
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
br GY
gn GY
rd GY
lt gn GY
lt gn GY
gn GY
rd BR
PAL
CLAYEY NANNOFOSSIL OOZE, CLAY WITH SILT, and CLAY
General Description:
The core consists of light greenish gray (5GY 8/1) to greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL OOZE and greenish gray, pale reddish brown (10R 5/4), and reddish brown (10R 4/6) CLAY WITH SILT. The main lithology is interbedded with brownish gray (5YR 4/1) and reddish brown CLAY, light greenish gray NANNOFOSSIL-CLAY MIXED SEDIMENT, and light greenish gray NANNOFOSSIL CLAY. In some intervals, CLAYEY NANNOFOSSIL OOZE contains silt and CLAY WITH SILT is interbedded with thin green silt layers. In Section 6, a 5-cm-thick Pteropod-rich layer occurs and in Section 7 shell debris is present. From Section 5 to CC, the core is slightly disturbed due to drilling.

Site 1056 Hole C Core 3H Cored 14.8-24.3 mbsf



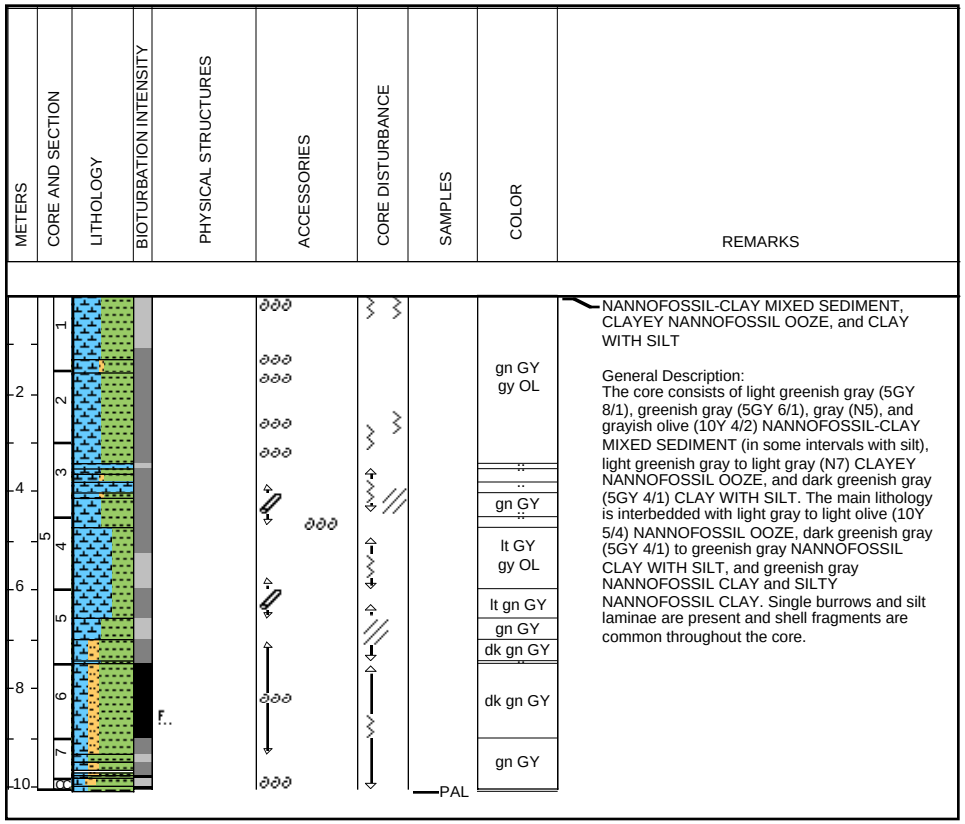
Site 1056 Hole C Core 4H Cored 24.3-33.8 mbsf



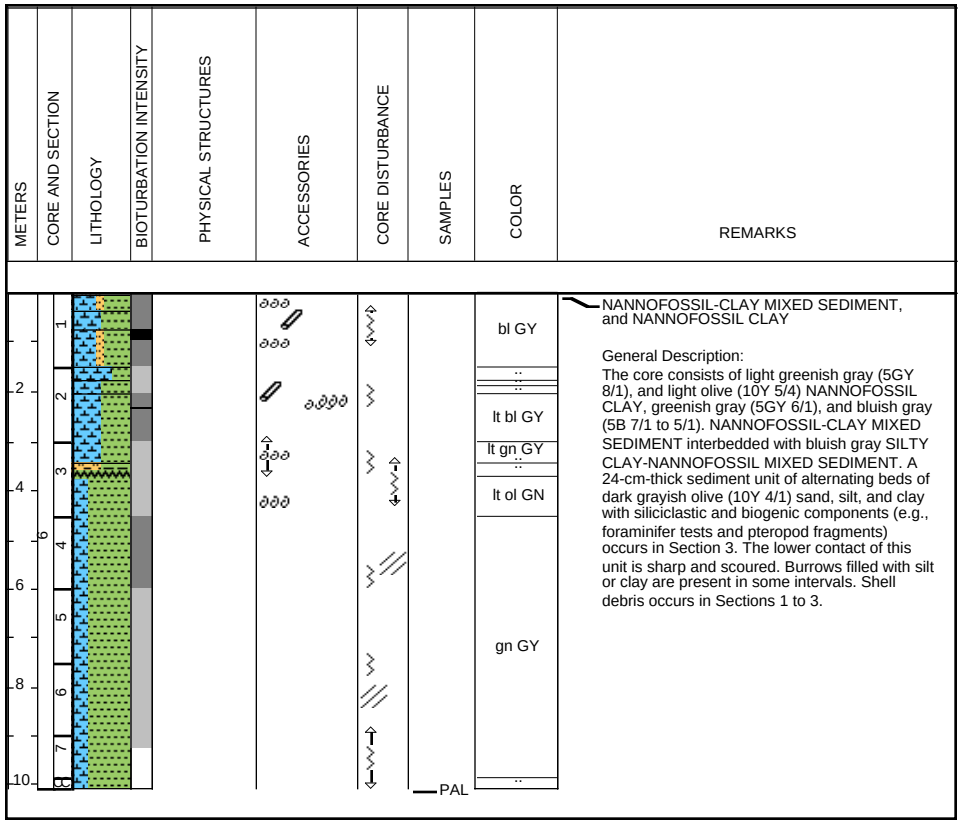
NANNOFOSSIL-CLAY MIXED SEDIMENT and NANNOFOSSIL OOZE

General Description:
The core contains greenish gray (5GY 6/1), light gray (N7), light olive (10Y 5/4), and grayish olive (10Y 4/2) NANNOFOSSIL-CLAY MIXED SEDIMENT (in Section 1 with silt) and light gray NANNOFOSSIL OOZE. The dominant lithology is interbedded with greenish gray, dark greenish gray (5GY 4/1), and grayish olive (10Y 4/2) NANNOFOSSIL CLAY, light greenish gray (5GY 8/1) to greenish gray CLAYEY NANNOFOSSIL OOZE, dark greenish gray and grayish olive (10Y 4/2) CLAY, and dark greenish gray CLAY WITH SILT. Single intervals show coarsening and fining upwards sequences. Shell debris is common throughout the entire core and burrows occur from Section 5 downcore.

Site 1056 Hole C Core 5H Cored 33.8-43.3 mbsf



Site 1056 Hole C Core 6H Cored 43.3-52.8 mbsf

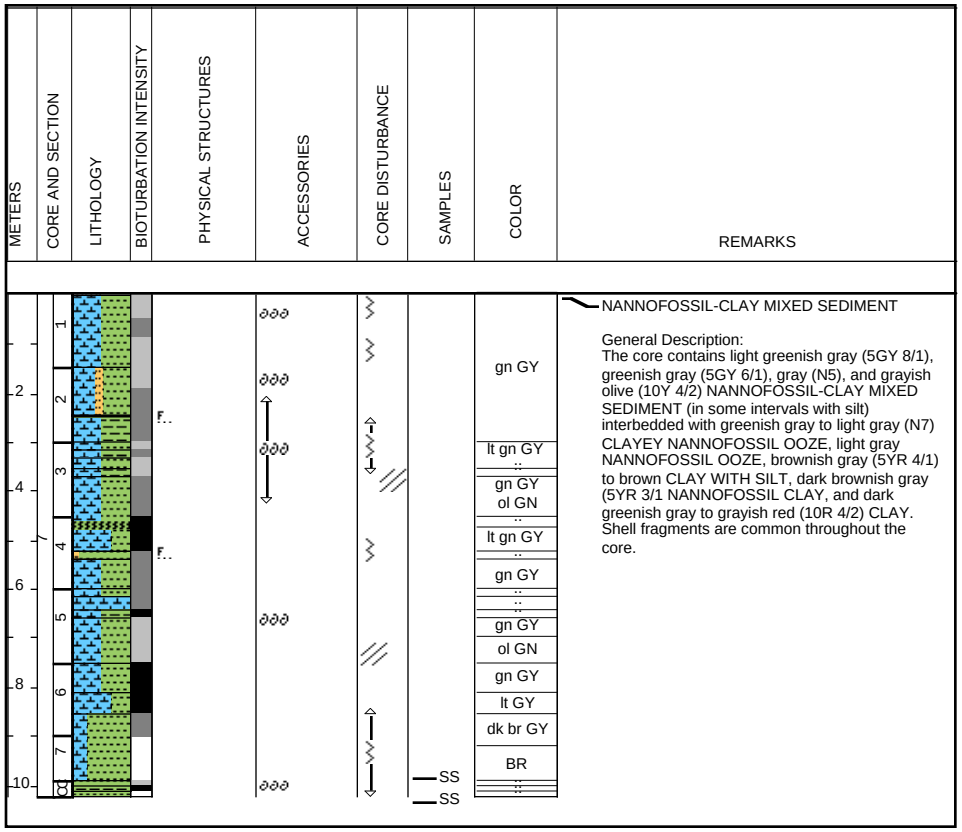


NANNOFOSSIL-CLAY MIXED SEDIMENT, and NANNOFOSSIL CLAY

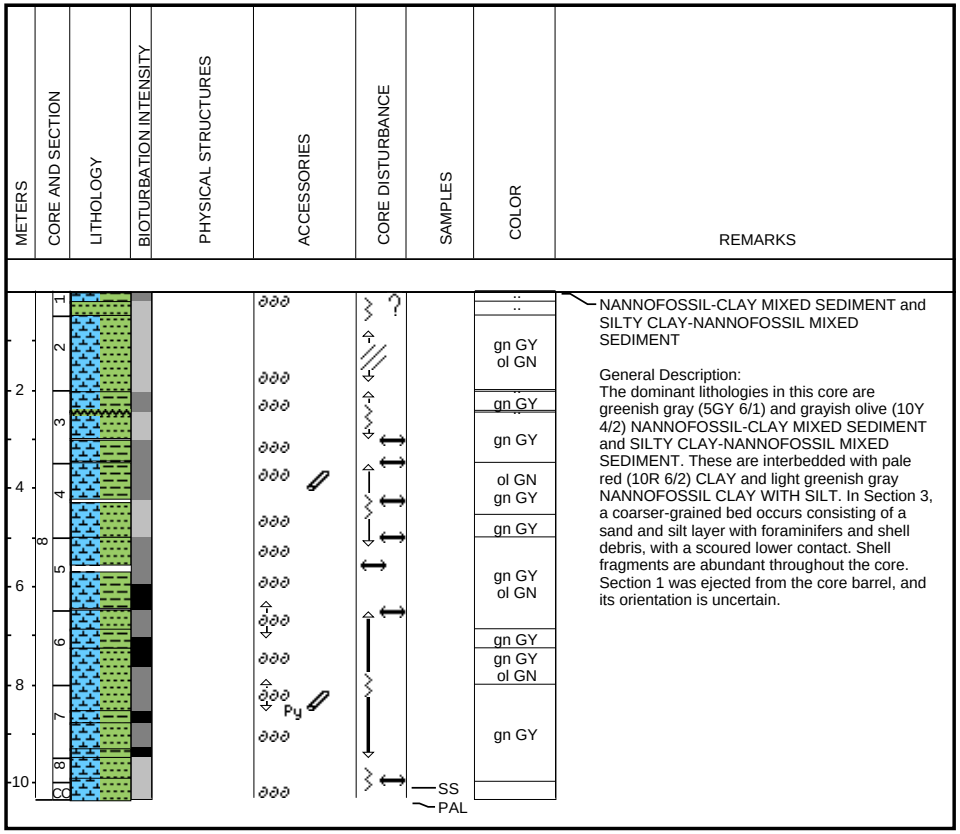
General Description:

The core consists of light greenish gray (5GY 8/1), and light olive (10Y 5/4) NANNOFOSSIL CLAY, greenish gray (5GY 6/1), and bluish gray (5B 7/1 to 5/1). NANNOFOSSIL-CLAY MIXED SEDIMENT interbedded with bluish gray SILTY CLAY-NANNOFOSSIL MIXED SEDIMENT. A 24-cm-thick sediment unit of alternating beds of dark grayish olive (10Y 4/1) sand, silt, and clay with siliciclastic and biogenic components (e.g., foraminifer tests and pteropod fragments) occurs in Section 3. The lower contact of this unit is sharp and scoured. Burrows filled with silt or clay are present in some intervals. Shell debris occurs in Sections 1 to 3.

Site 1056 Hole C Core 7H Cored 52.8-62.3 mbsf



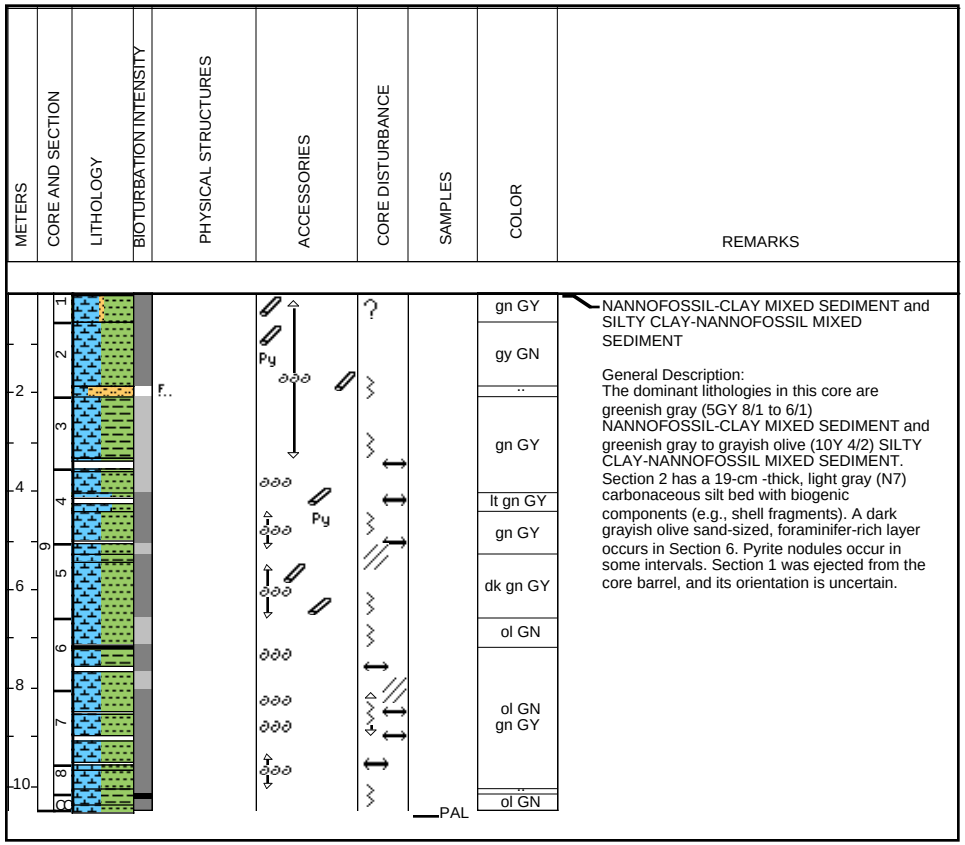
Site 1056 Hole C Core 8H Cored 62.3-71.8 mbsf



NANNOFOSSIL-CLAY MIXED SEDIMENT and SILTY CLAY-NANNOFOSSIL MIXED SEDIMENT

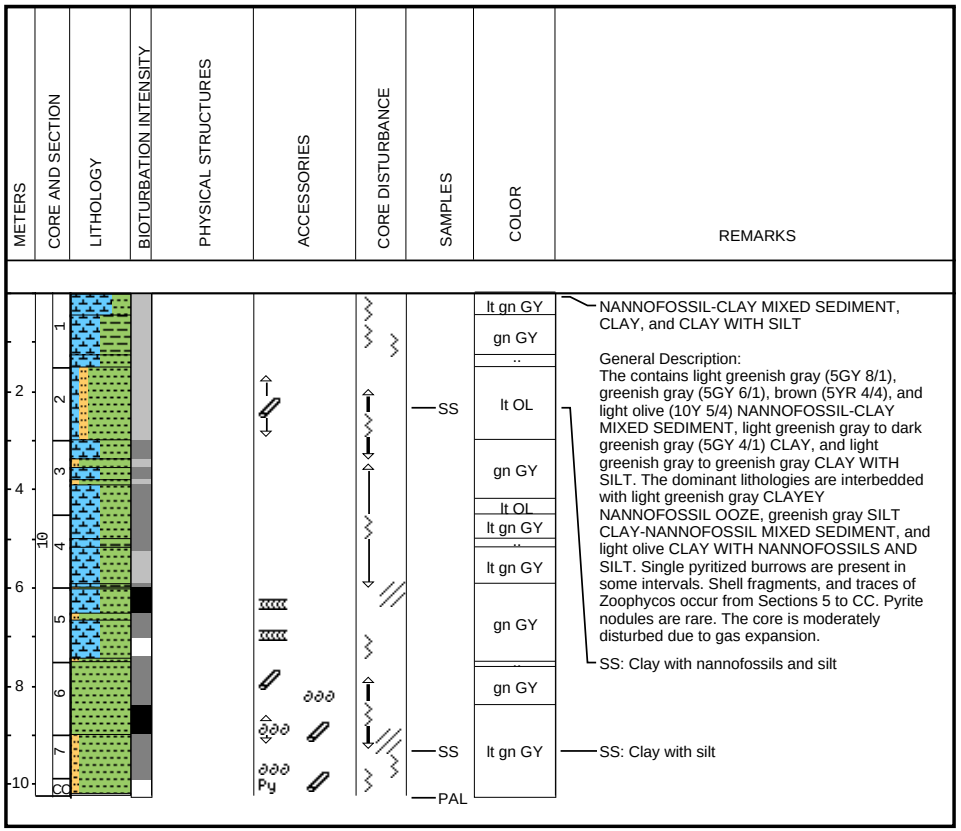
General Description:
The dominant lithologies in this core are greenish gray (5GY 6/1) and grayish olive (10Y 4/2) NANNOFOSSIL-CLAY MIXED SEDIMENT and SILTY CLAY-NANNOFOSSIL MIXED SEDIMENT. These are interbedded with pale red (10R 6/2) CLAY and light greenish gray NANNOFOSSIL CLAY WITH SILT. In Section 3, a coarser-grained bed occurs consisting of a sand and silt layer with foraminifers and shell debris, with a scoured lower contact. Shell fragments are abundant throughout the core. Section 1 was ejected from the core barrel, and its orientation is uncertain.

Site 1056 Hole C Core 9H Cored 71.8-81.3 mbsf

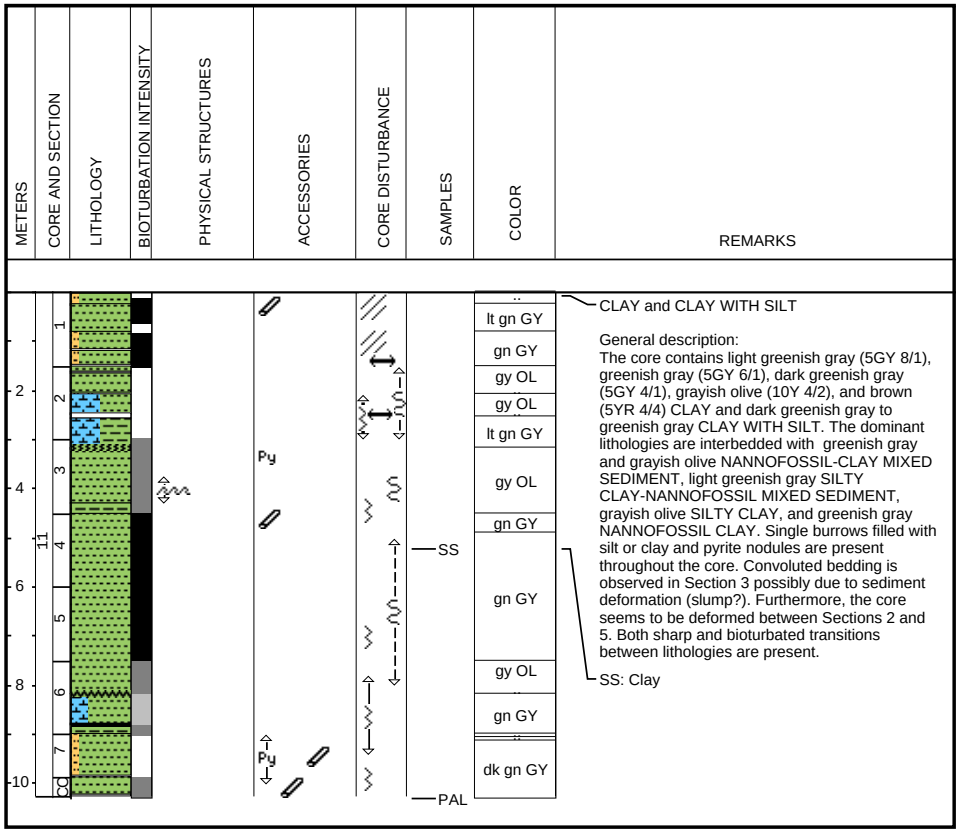


Site 1056 Hole C Core 10H Cored 81.3-90.8 mbsf

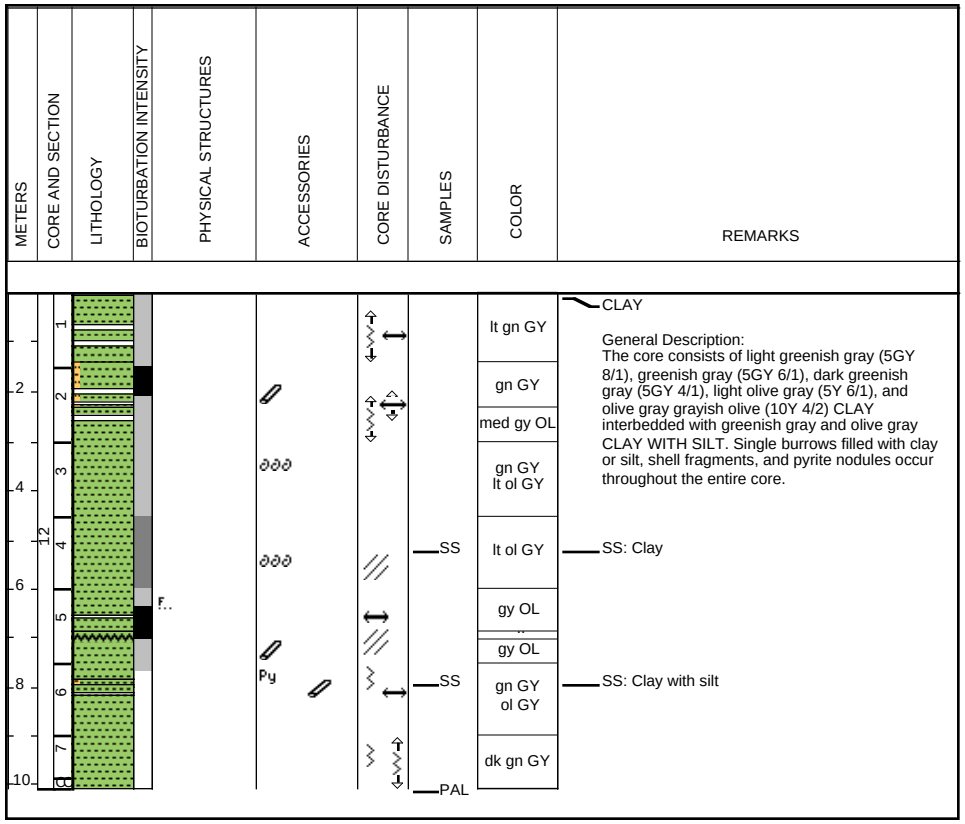
1056C-10H



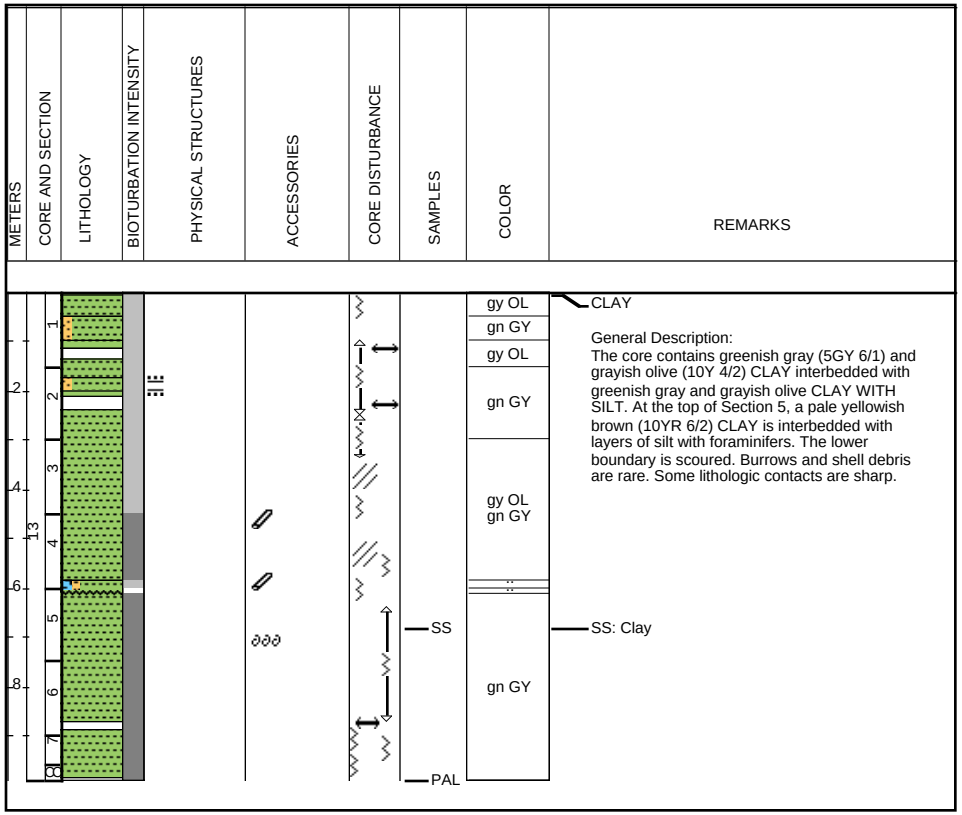
Site 1056 Hole C Core 11H Cored 90.8-100.3 mbsf

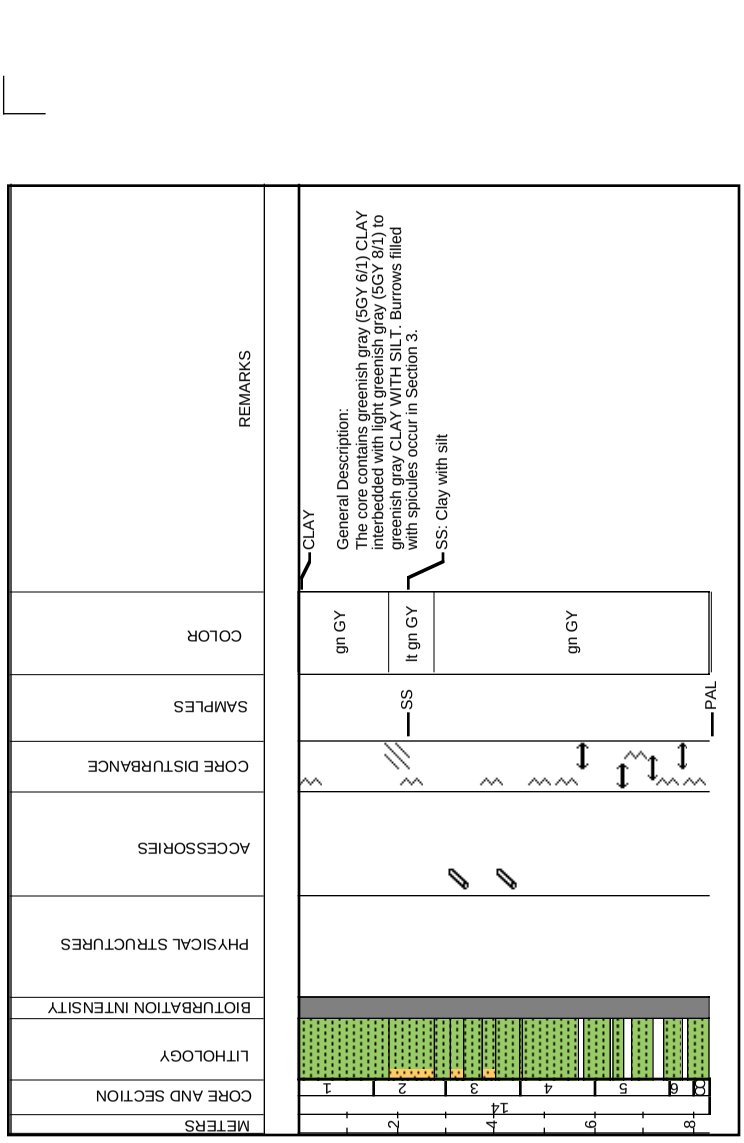


Site 1056 Hole C Core 12H Cored 100.3-109.8 mbsf

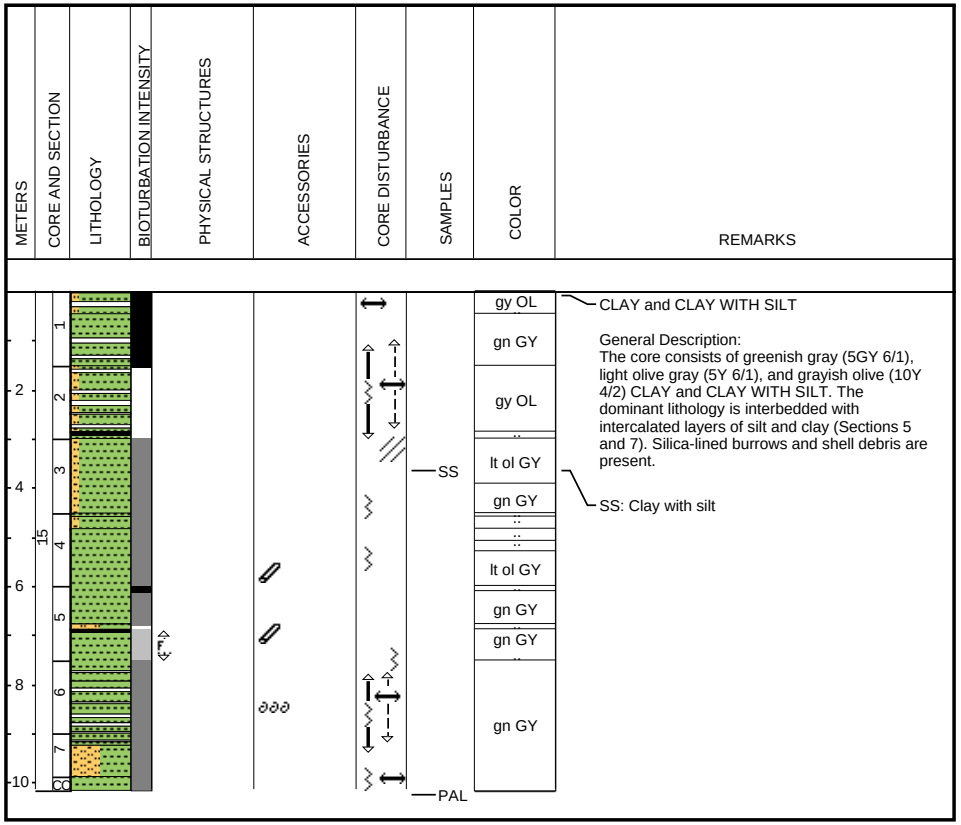


Site 1056 Hole C Core 13H Cored 109.8-119.3 mbsf

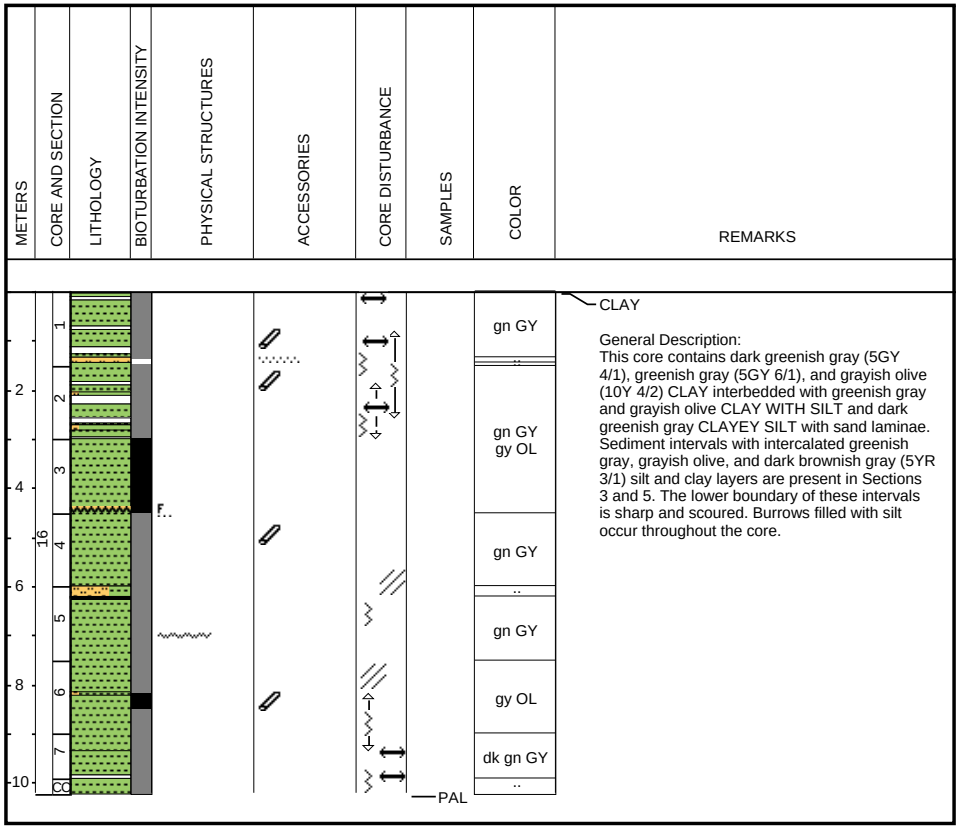



Site 1056 Hole C Core 14H Cored 119.3-126.3 mbsf
1056C-14H
METERS
CORE AND SECTION
LITHOLOGY
BIOTURBATION INTENSITY
PHYSICAL STRUCTURES
ACCESSORIES
CORE DISTURBANCE
SAMPLES
COLOR
REMARKS
CLAY
General Description:
The core contains greenish gray (5GY 6/1) CLAY interbedded with light greenish gray (5GY 8/1) to greenish gray CLAY WITH SILT. Burrows filled with spicules occur in Section 3.
SS: Clay with silt
gn GY
lt gn GY
gn GY
SS
PAL
1
2
3
4
5
6
CC
14
2
4
9
8

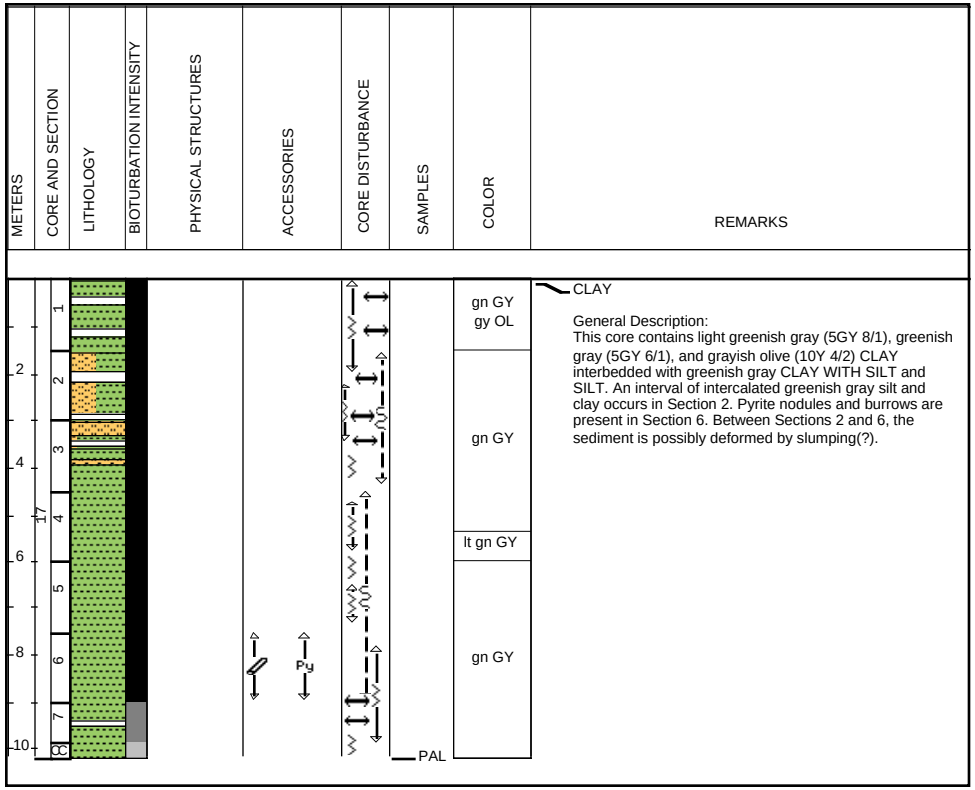
Site 1056 Hole C Core 15H Cored 126.3-135.8 mbsf



Site 1056 Hole C Core 16H Cored 135.8-145.3 mbsf

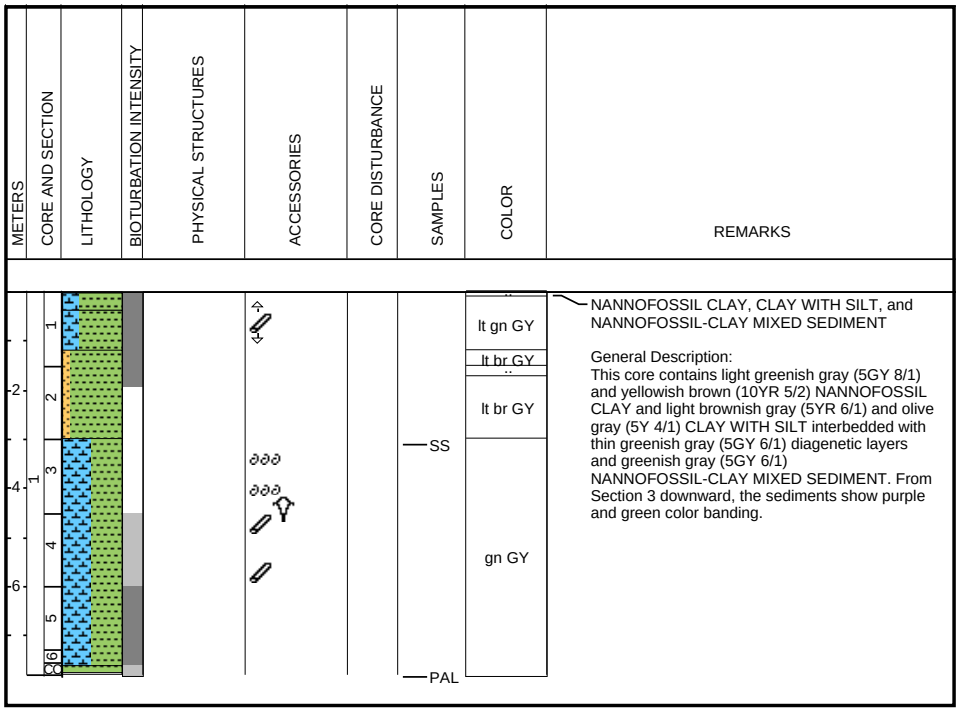


Site 1056 Hole C Core 17H Cored 145.3-154.8 mbsf

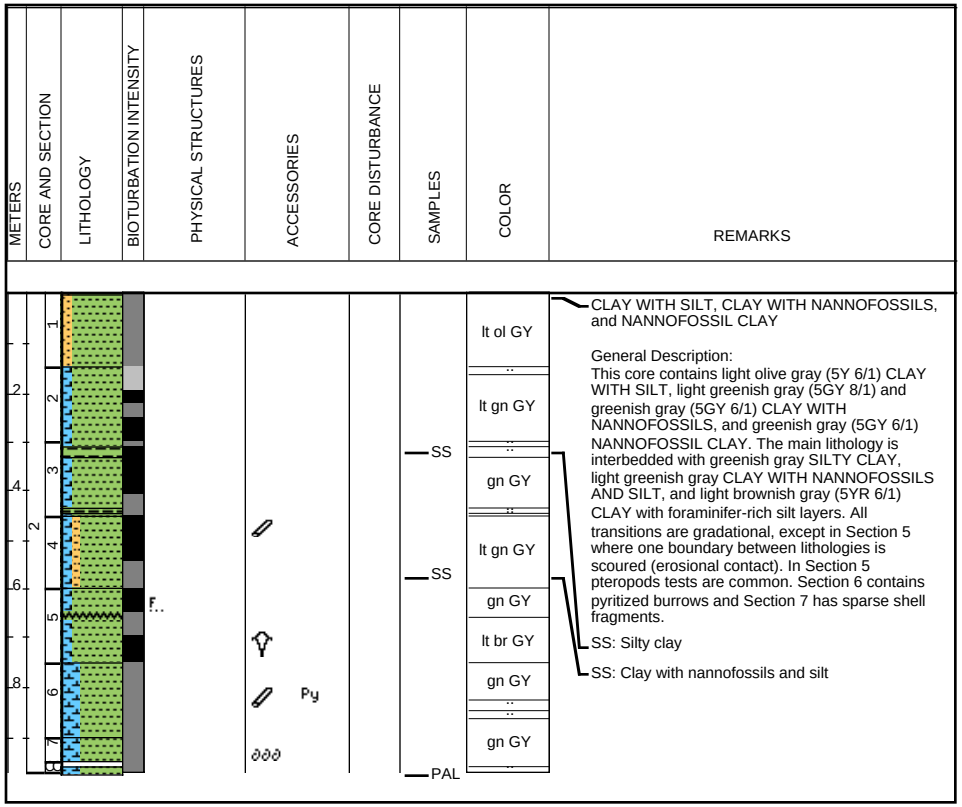


General Description:
This core contains light greenish gray (5GY 8/1), greenish gray (5GY 6/1), and grayish olive (10Y 4/2) CLAY interbedded with greenish gray CLAY WITH SILT and SILT. An interval of intercalated greenish gray silt and clay occurs in Section 2. Pyrite nodules and burrows are present in Section 6. Between Sections 2 and 6, the sediment is possibly deformed by slumping(?).

Site 1056 Hole D Core 1H Cored 0.0-7.8 mbsf

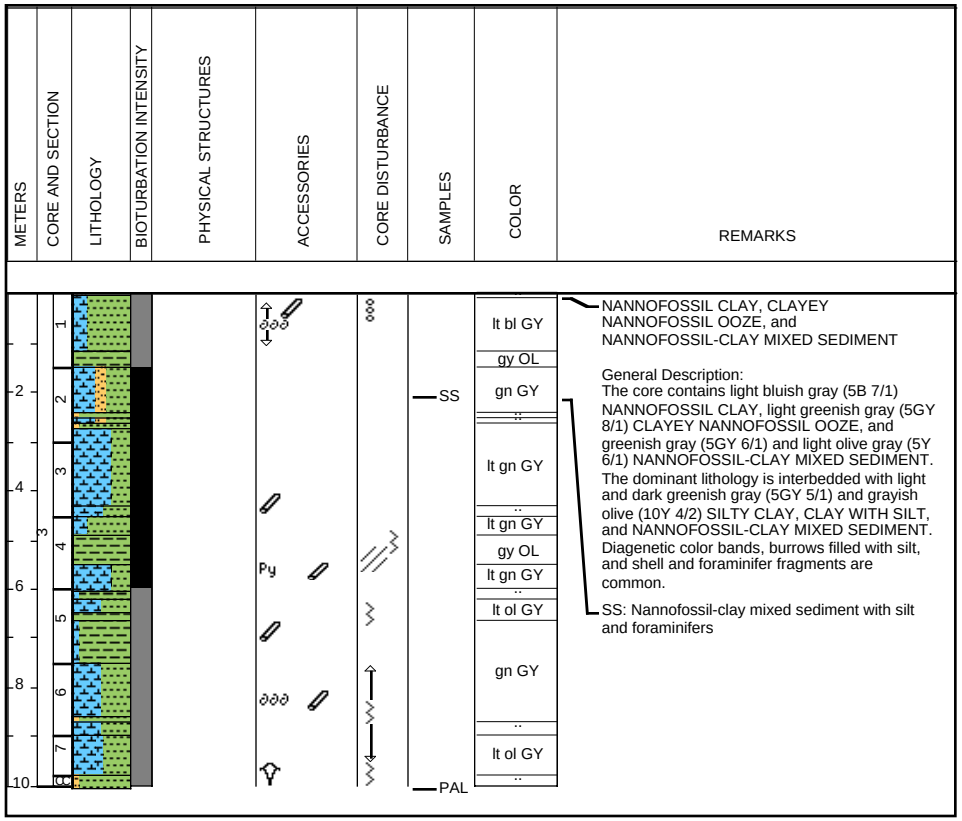


Site 1056 Hole D Core 2H Cored 7.8-17.3 mbsf

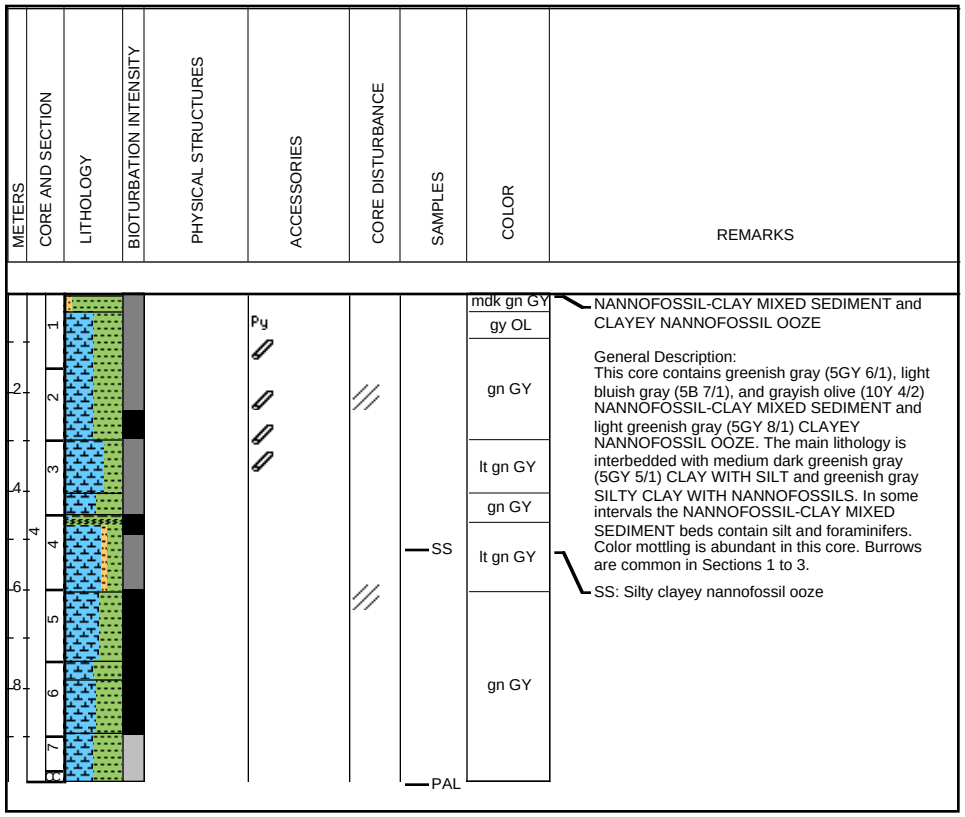


Site 1056 Hole D Core 3H Cored 17.3-26.8 mbsf

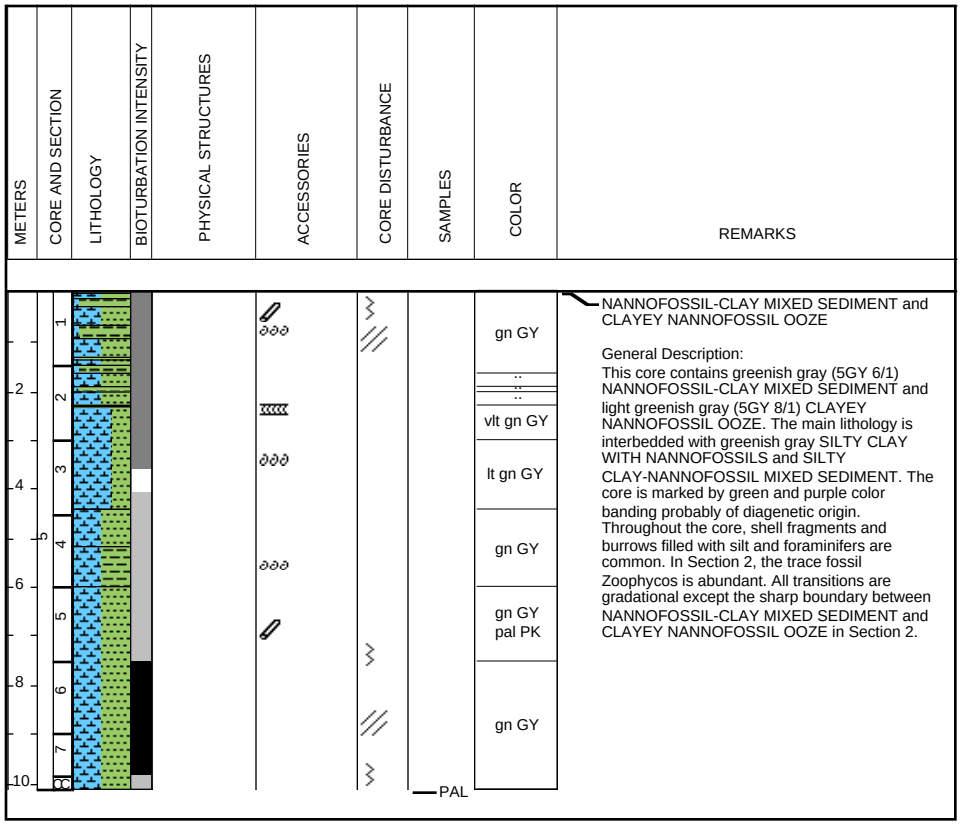
1056D-3H



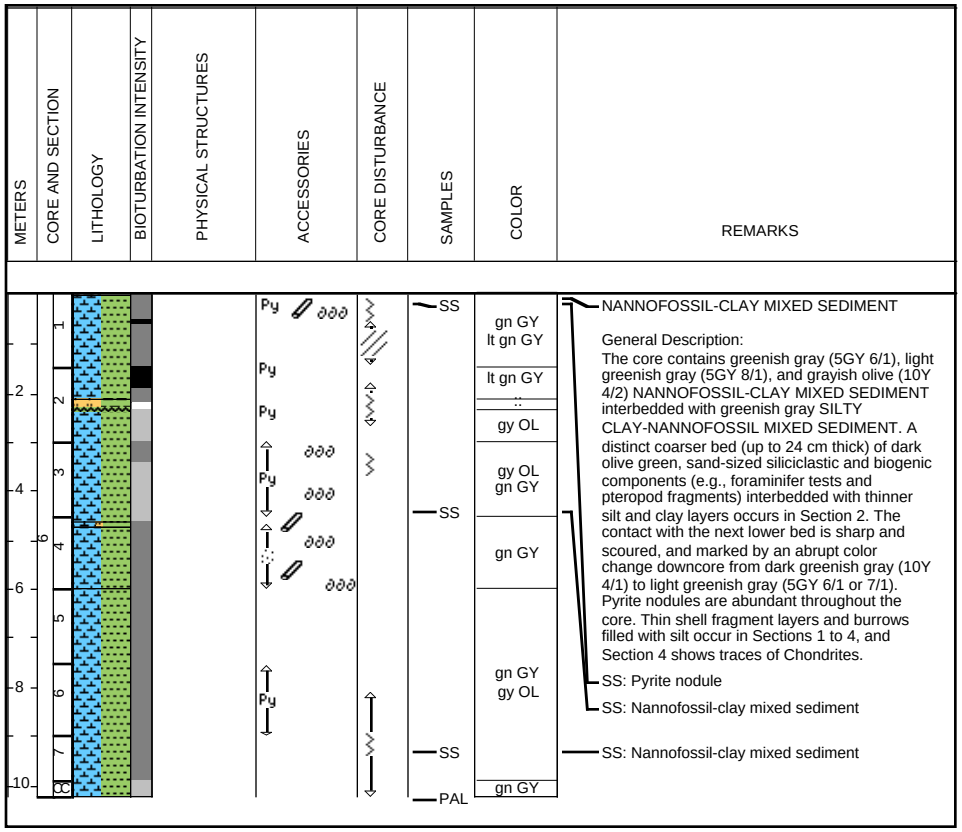
Site 1056 Hole D Core 4H Cored 26.8-36.3 mbsf



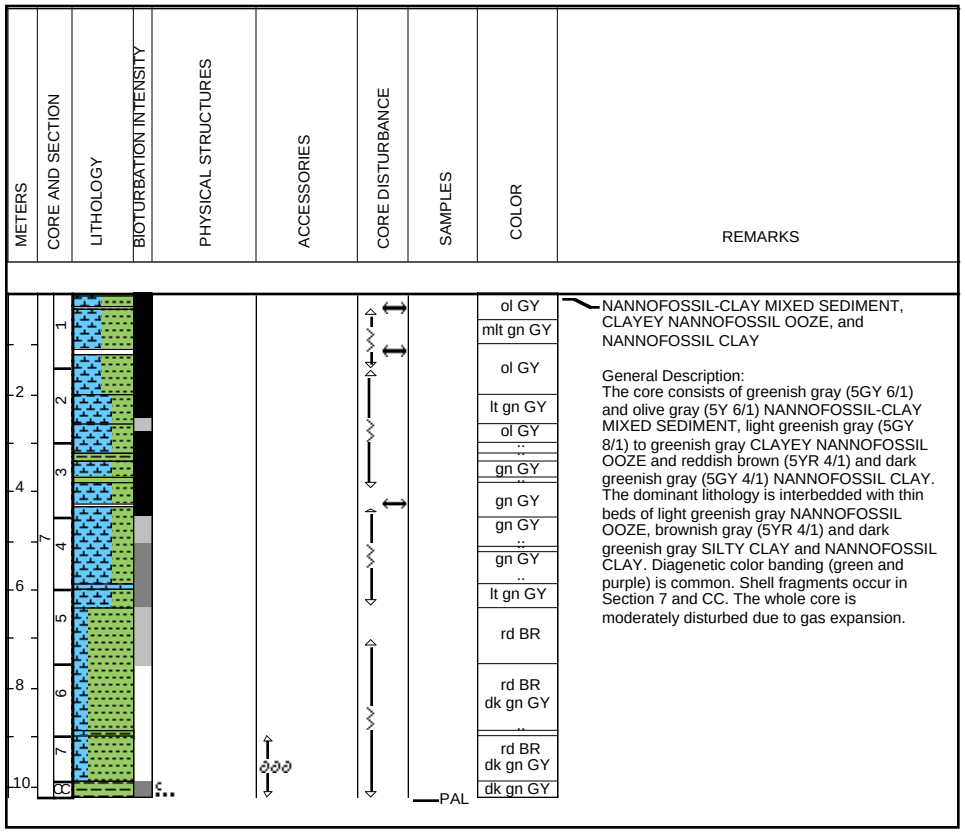
Site 1056 Hole D Core 5H Cored 36.3-45.8 mbsf



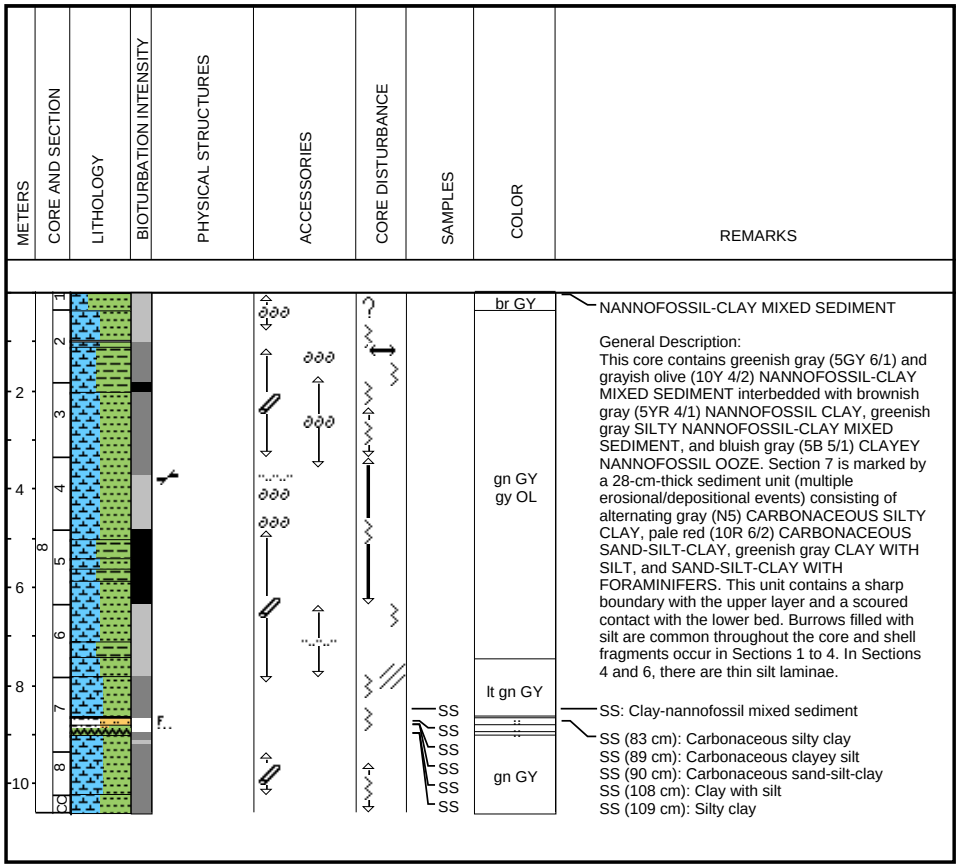
Site 1056 Hole D Core 6H Cored 45.8-55.3 mbsf



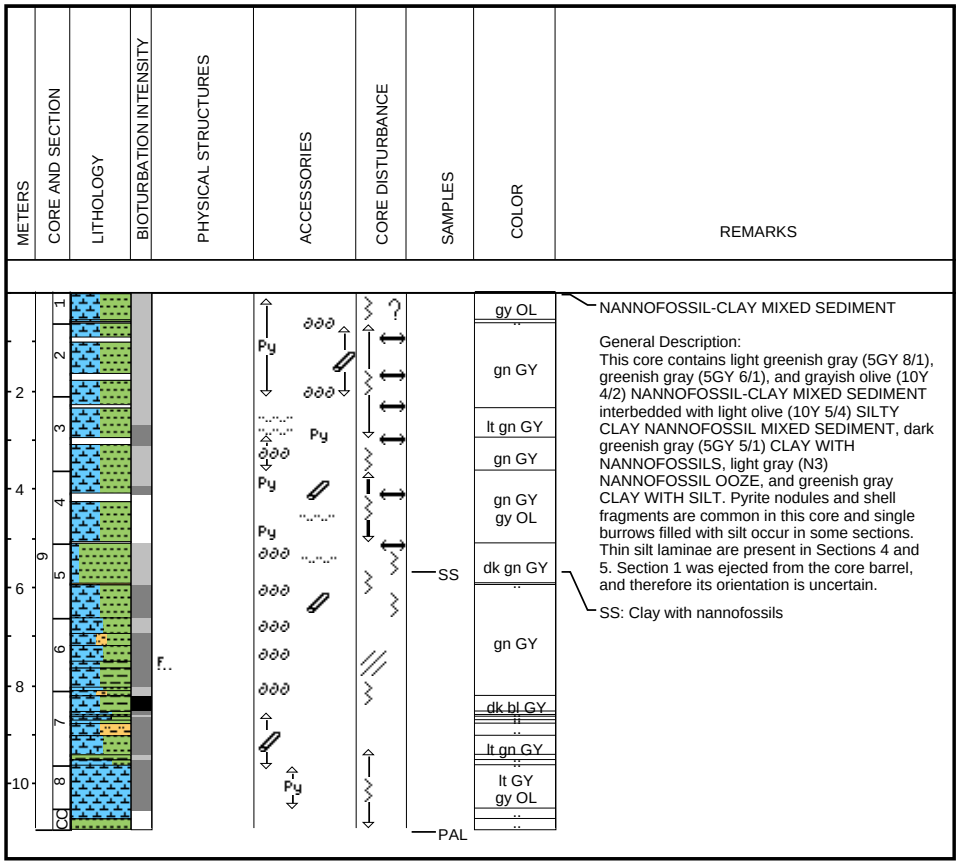
Site 1056 Hole D Core 7H Cored 55.3-64.8 mbsf



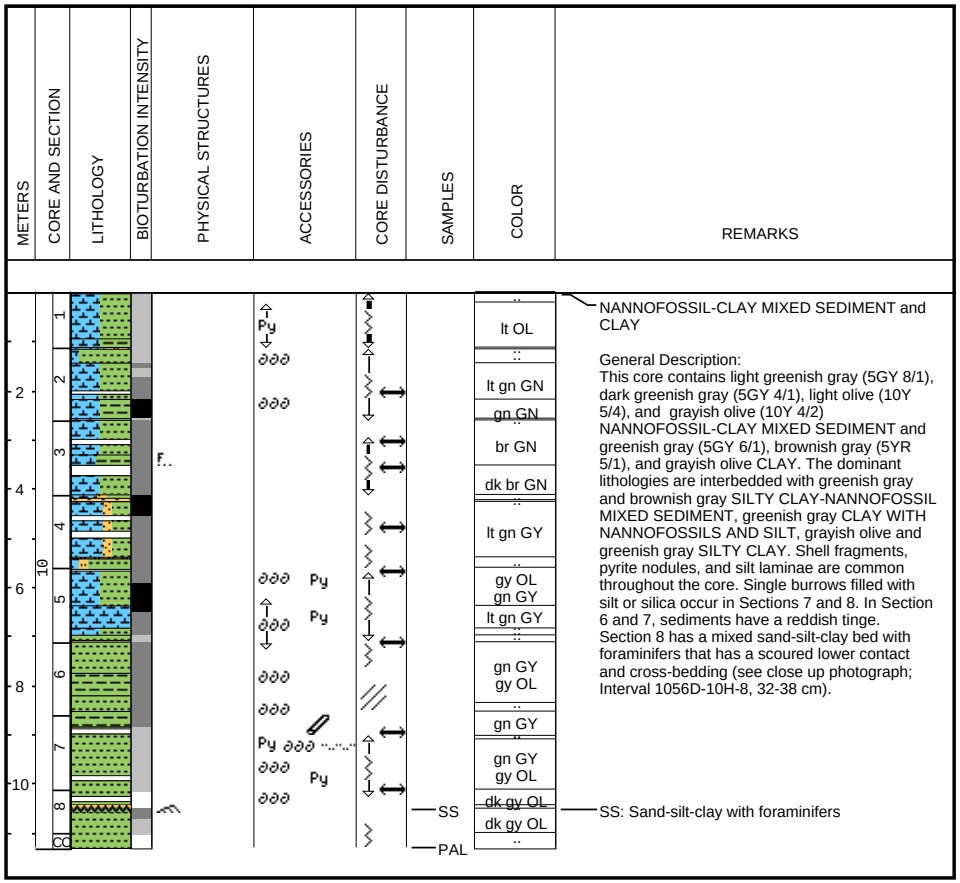
Site 1056 Hole D Core 8H Cored 64.8-74.3 mbsf



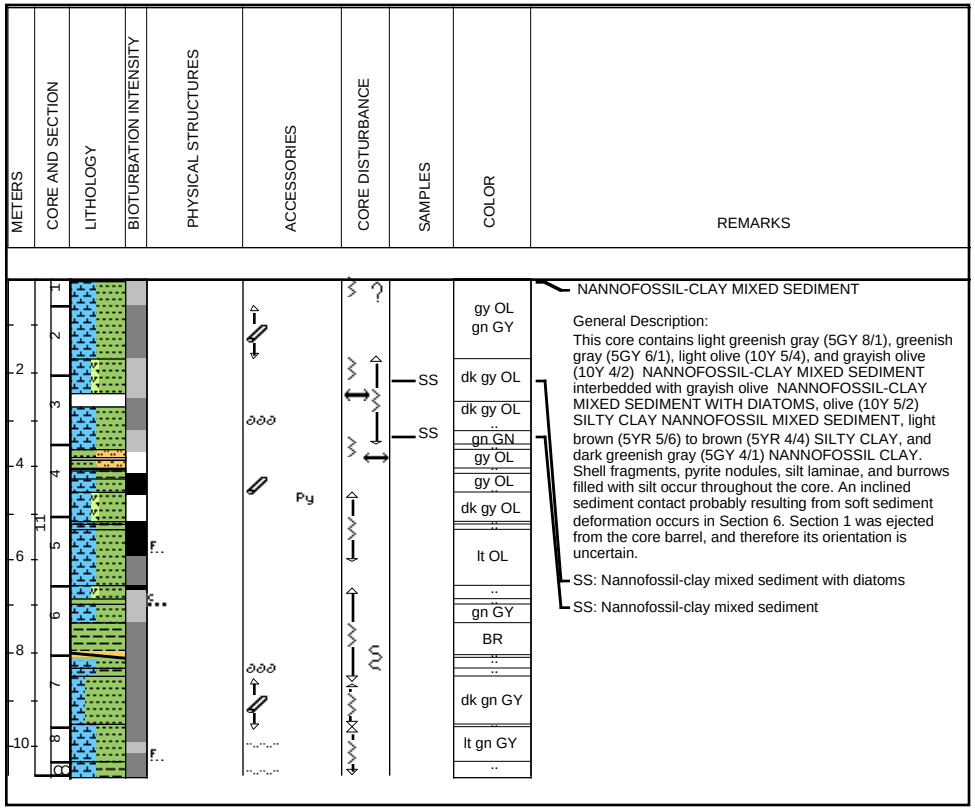
Site 1056 Hole D Core 9H Cored 74.3-83.8 mbsf



Site 1056 Hole D Core 10H Cored 83.8-93.3 mbsf



Site 1056 Hole D Core 11H — Cored 93.3-102.8 mbsf



NANNOFOSSIL-CLAY MIXED SEDIMENT

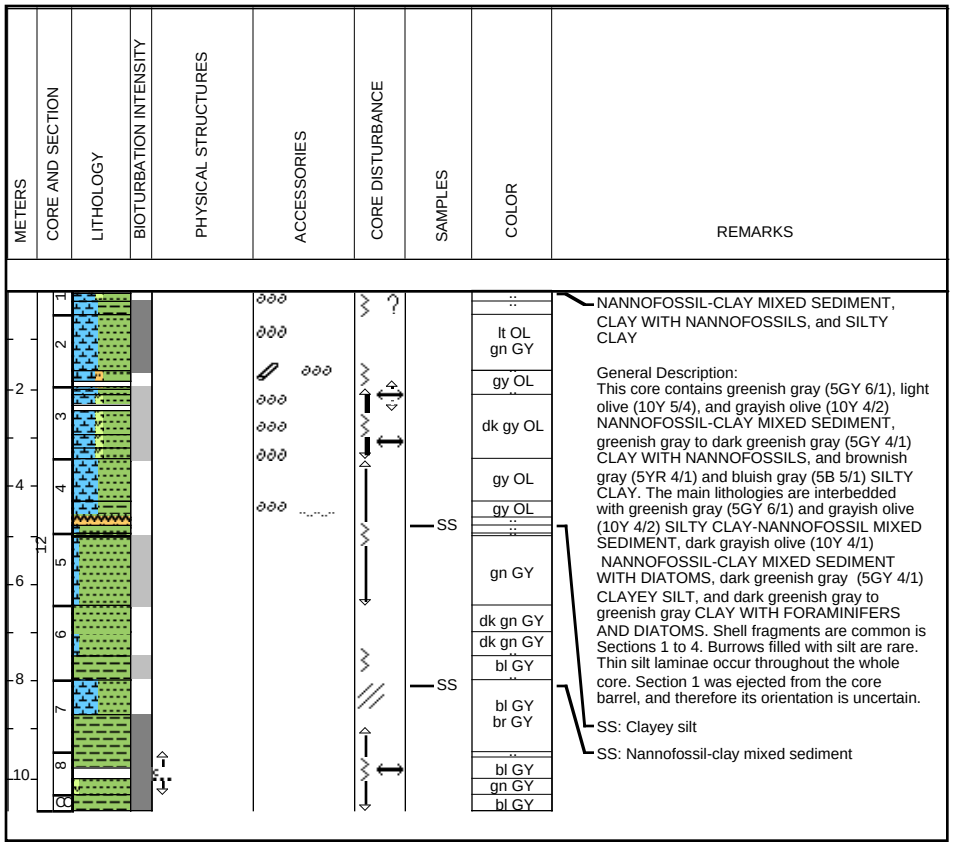
General Description:

This core contains light greenish gray (5GY 8/1), greenish gray (5GY 6/1), light olive (10Y 5/4), and grayish olive (10Y 4/2) NANNOFOSSIL-CLAY MIXED SEDIMENT interbedded with grayish olive NANNOFOSSIL-CLAY MIXED SEDIMENT WITH DIATOMS, olive (10Y 5/2) SILTY CLAY NANNOFOSSIL MIXED SEDIMENT, light brown (5YR 5/6) to brown (5YR 4/4) SILTY CLAY, and dark greenish gray (5GY 4/1) NANNOFOSSIL CLAY. Shell fragments, pyrite nodules, silt laminae, and burrows filled with silt occur throughout the core. An inclined sediment contact probably resulting from soft sediment deformation occurs in Section 6. Section 1 was ejected from the core barrel, and therefore its orientation is uncertain.

SS: Nannofossil-clay mixed sediment with diatoms

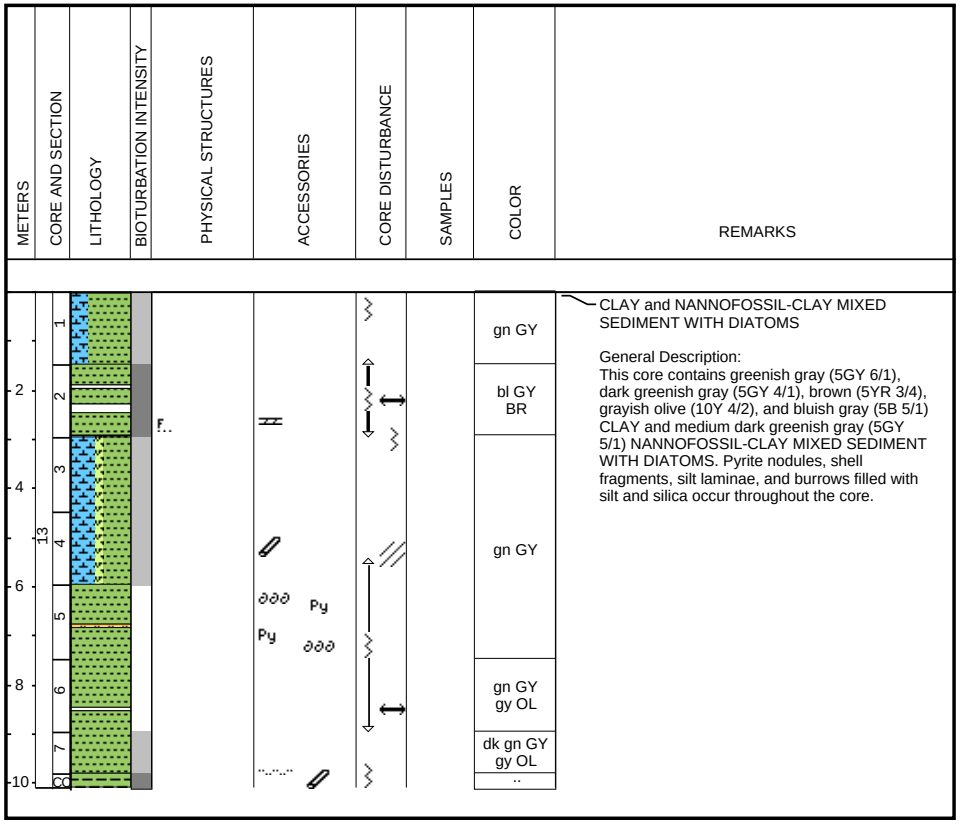
SS: Nannofossil-clay mixed sediment

Site 1056 Hole D Core 12H Cored 102.8-112.3 mbsf



Site 1056 Hole D Core 13H Cored 112.3-121.8 mbsf

1056D-13H



CLAY and NANNOFOSSIL-CLAY MIXED SEDIMENT WITH DIATOMS

General Description:
This core contains greenish gray (5GY 6/1), dark greenish gray (5GY 4/1), brown (5YR 3/4), grayish olive (10Y 4/2), and bluish gray (5B 5/1) CLAY and medium dark greenish gray (5GY 5/1) NANNOFOSSIL-CLAY MIXED SEDIMENT WITH DIATOMS. Pyrite nodules, shell fragments, silt laminae, and burrows filled with silt and silica occur throughout the core.

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