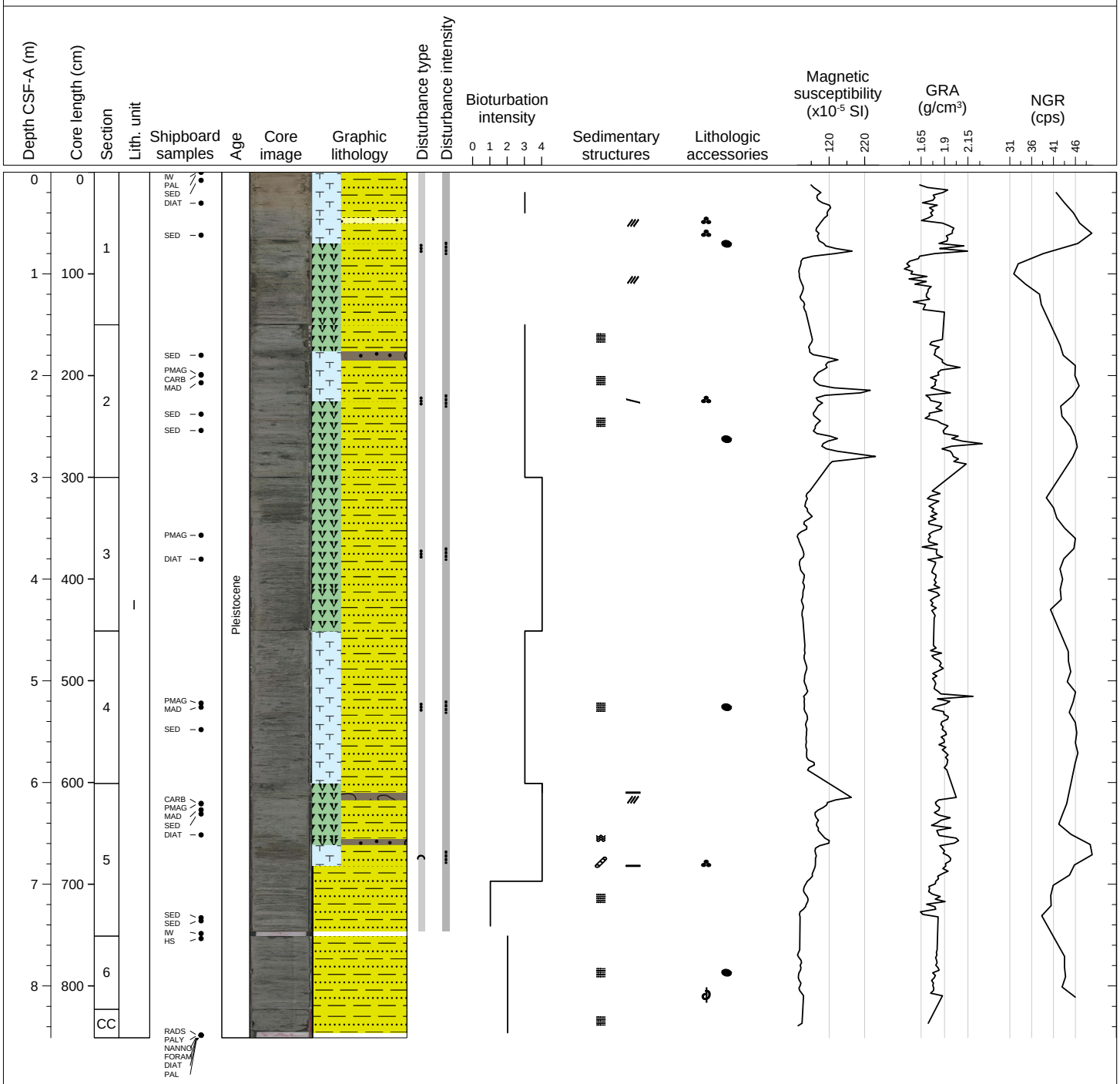
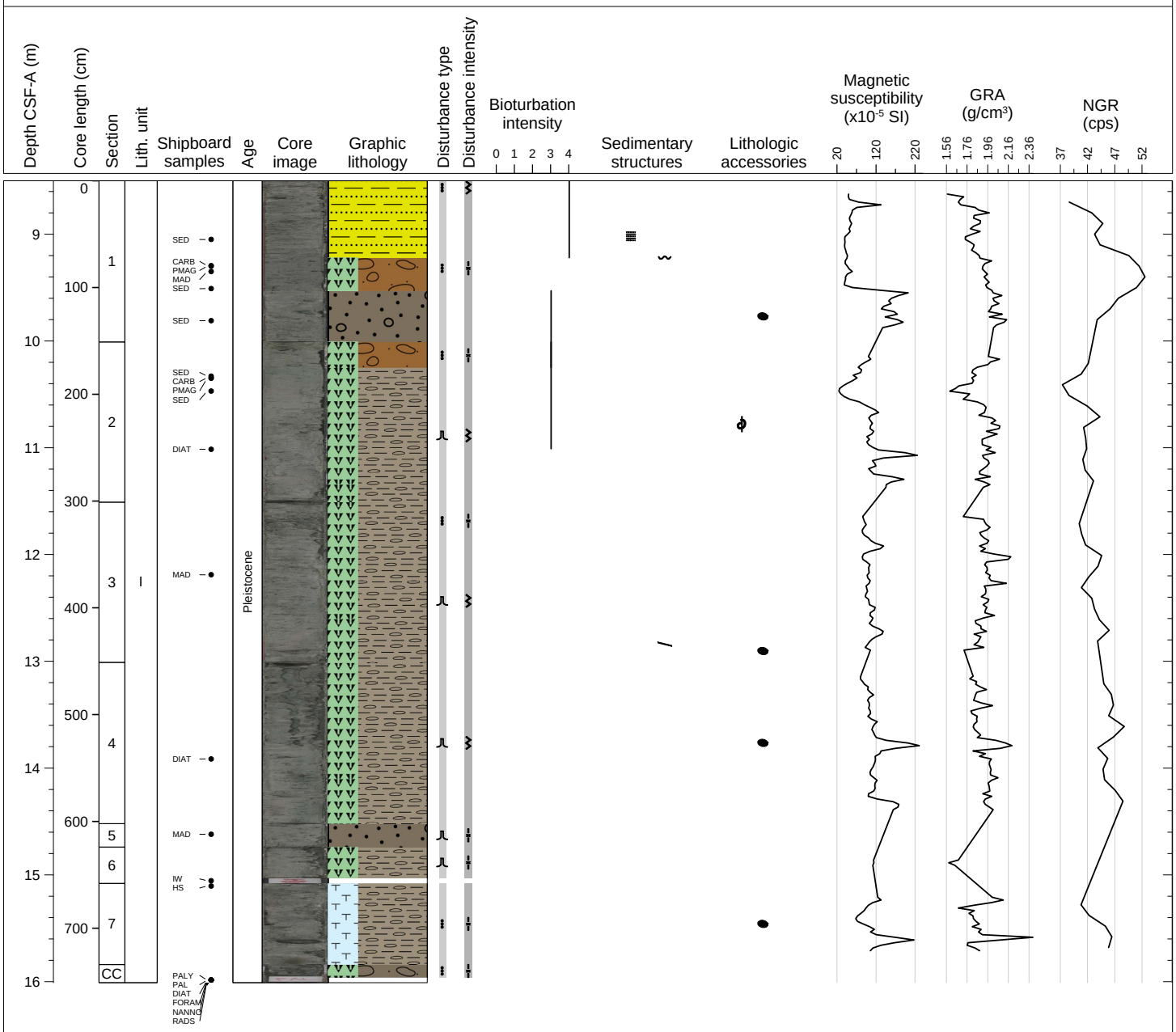
Hole 374-U1523A Core 1H, Interval 0.0-8.51 m (CSF-A)

Massive bioturbated dark grayish brown foraminifer-bearing interbedded sand and mud interbedded at cm- to dm-scale with massive bioturbated to laminated diatom-bearing interbedded sand and mud. Contacts vary between sharp, gradational, and bioturbated. The foraminifer-bearing intervals contain beds of clast-rich sandy diamict with pebble- and cobble-sized clasts in Section 2 (26–35 cm). The stratified mud contains alternating cm-scale silt-rich and clay-rich beds with sharp contacts. Clasts are dispersed throughout. Some intervals are soupy due to drilling disturbance. Diatom abundance is rare to common in foraminifer-bearing beds.



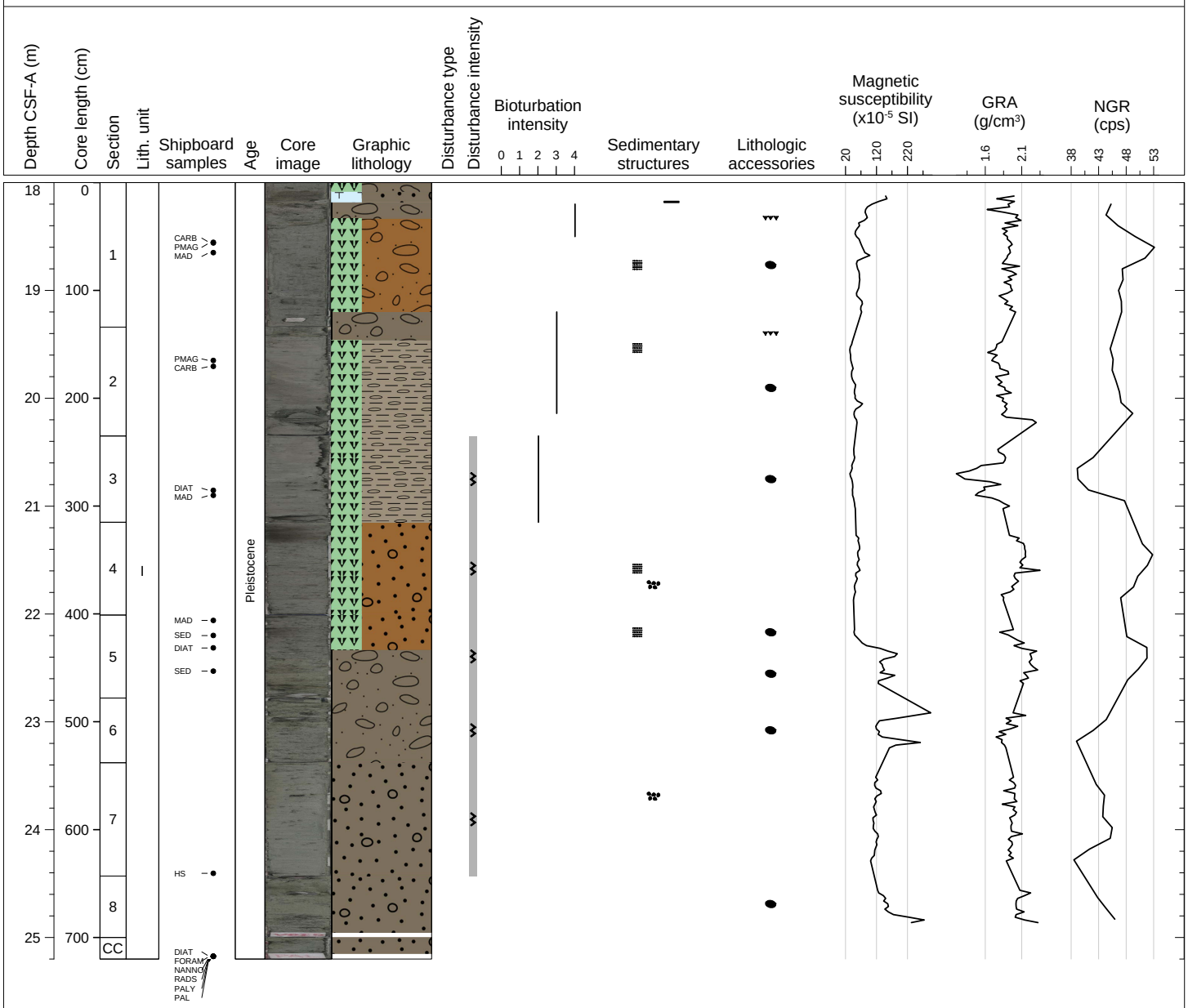
Hole 374-U1523A Core 2H, Interval 8.5-16.01 m (CSF-A)

Massive bioturbated to laminated grayish brown to greenish gray diatom-bearing to foraminifer-bearing/rich mud, sand, and diamict interbed. Diamict is clast-poor to clast-rich and muddy to sandy. Foraminifers are abundant in coarser beds. Contacts vary between sharp and bioturbated. Clasts are dispersed throughout and a shell fragment is present at 77 cm in Section 2 . Bioturbation is present in Sections 1–2, but flow-in drilling disturbance makes it difficult to assess below Section 2. Diatom abundance is rare to common in foraminifer-bearing beds.



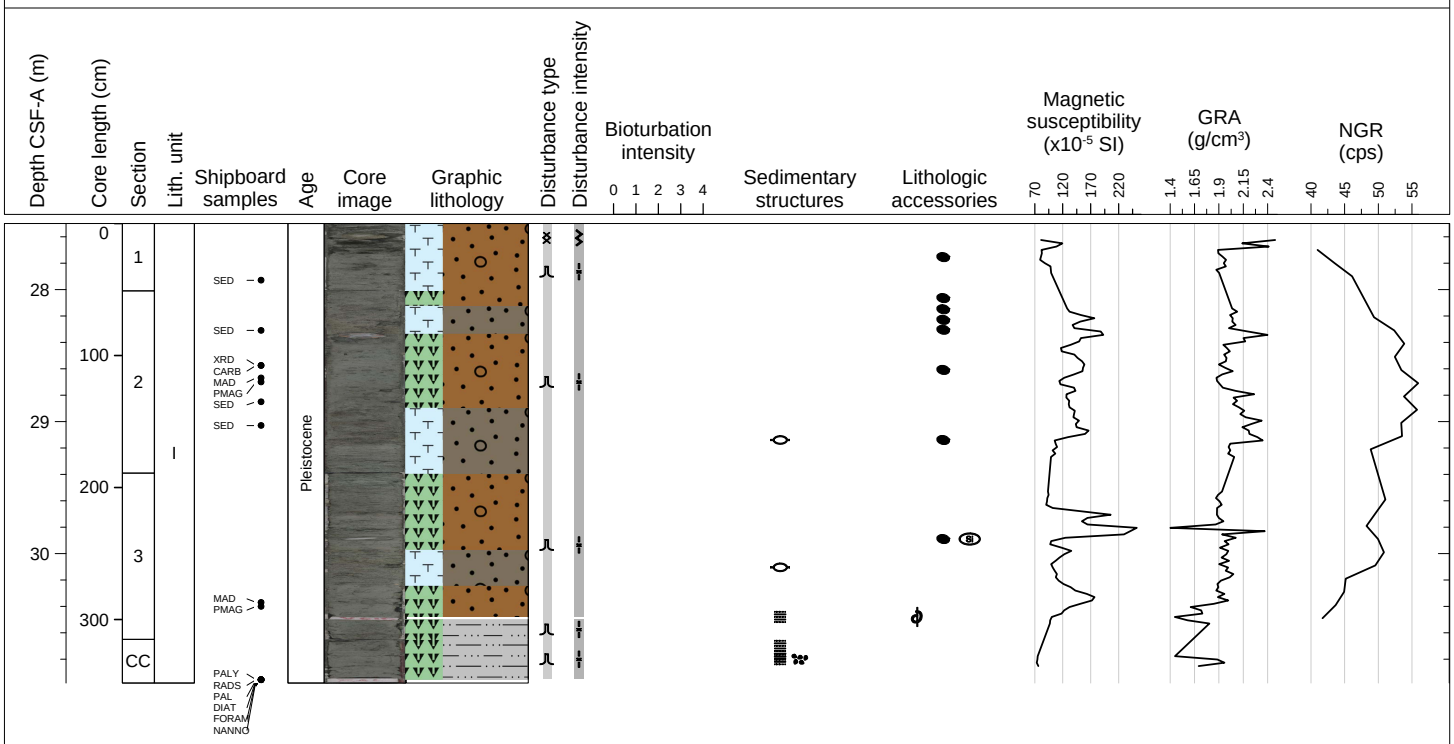
Hole 374-U1523A Core 3H, Interval 18.0-25.2 m (CSF-A)

Massive bioturbated greenish gray foraminifer-rich to diatom-bearing clast-poor to -rich sandy to muddy diamict with an interbed of massive bioturbated diatom-bearing interbedded mud and diamict with dispersed pyrite mottling, mud clasts, and igneous and mudstone clasts. Contacts vary between sharp, bioturbated, and gradational. Slight to major drilling disturbance is present. Diatom abundance is rare to common in foraminifer-rich beds.



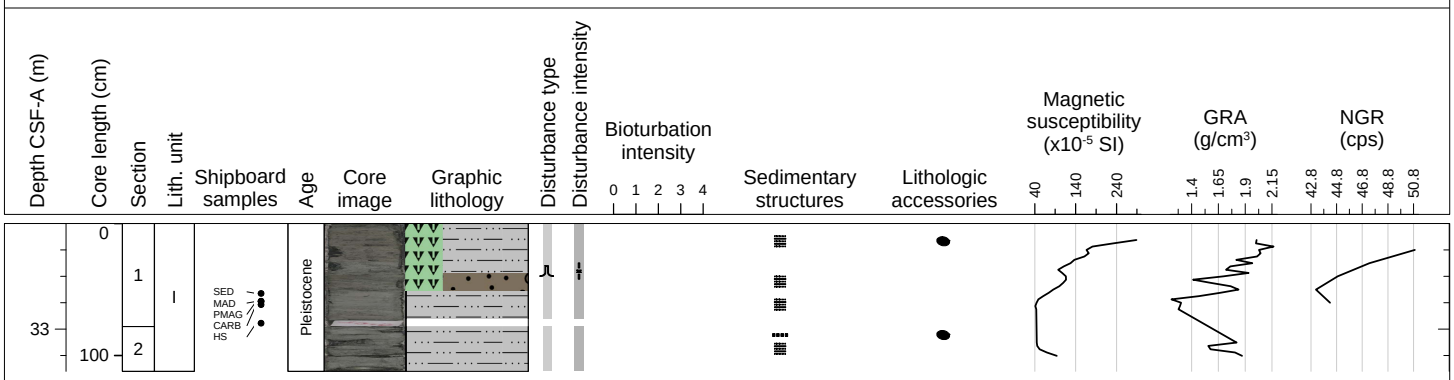
Hole 374-U1523A Core 4F, Interval 27.5-30.98 m (CSF-A)

Massive greenish gray foraminifer-bearing to diatom-bearing sandy to muddy diamict overlying diatom-bearing mud (below 111 cm in Section 3). Coarser beds beds typically have sharp to bioturbated lower contacts and foraminifers. Section 3 contains a sand lens (126 cm) and shell fragments (60 cm). Lithic clasts and mud clasts occur throughout. Moderate drilling disturbance is present.



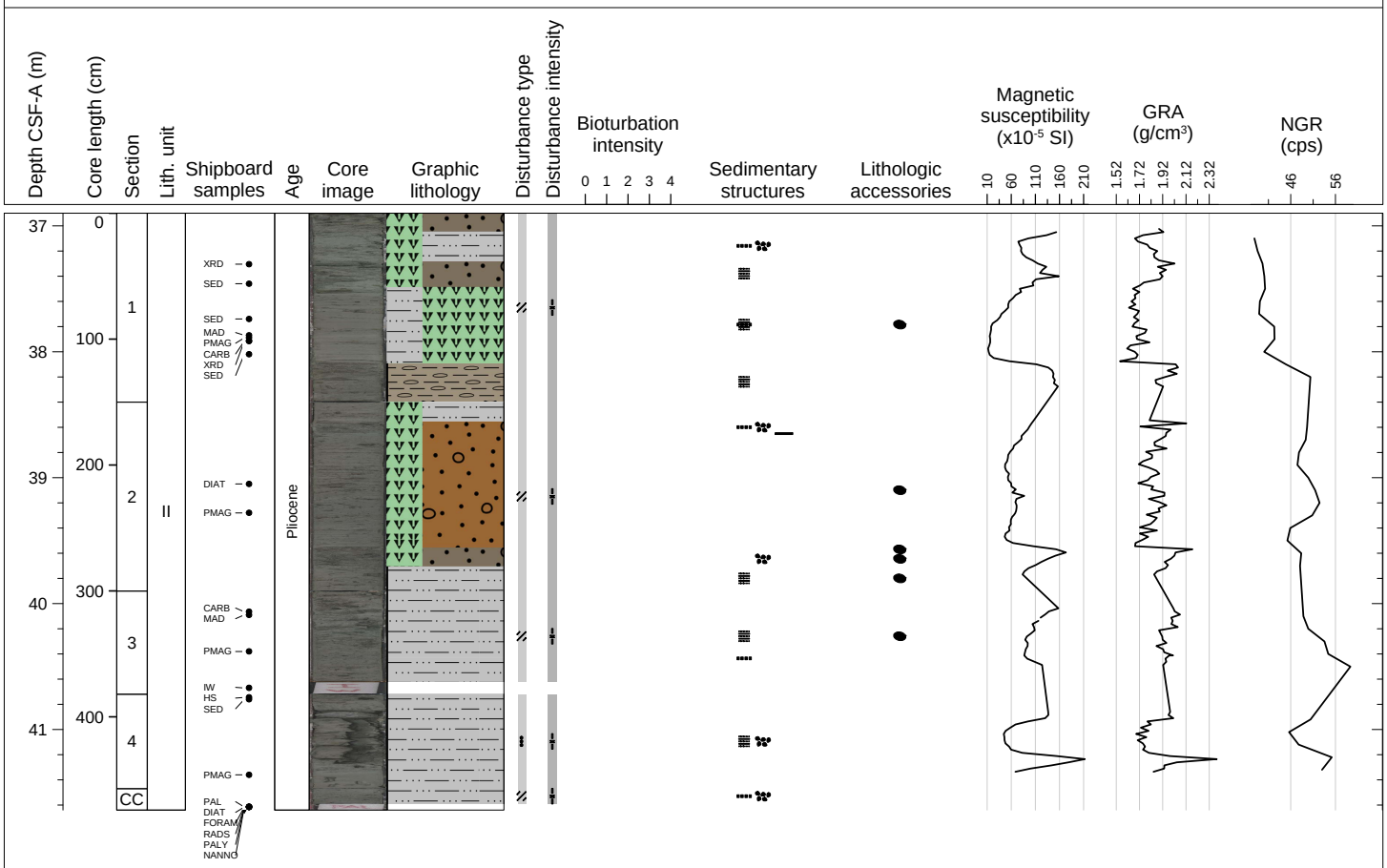
Hole 374-U1523A Core 5F, Interval 32.2-33.32 m (CSF-A)

Laminated bed of dark greenish gray diatom-bearing mud with dispersed clasts and bed of diatom-rich mud. Diatom-bearing clast-poor sandy diamict bed is between two beds. Contacts are sharp or bioturbated. Clasts occur throughout. Moderate drilling disturbance is present.



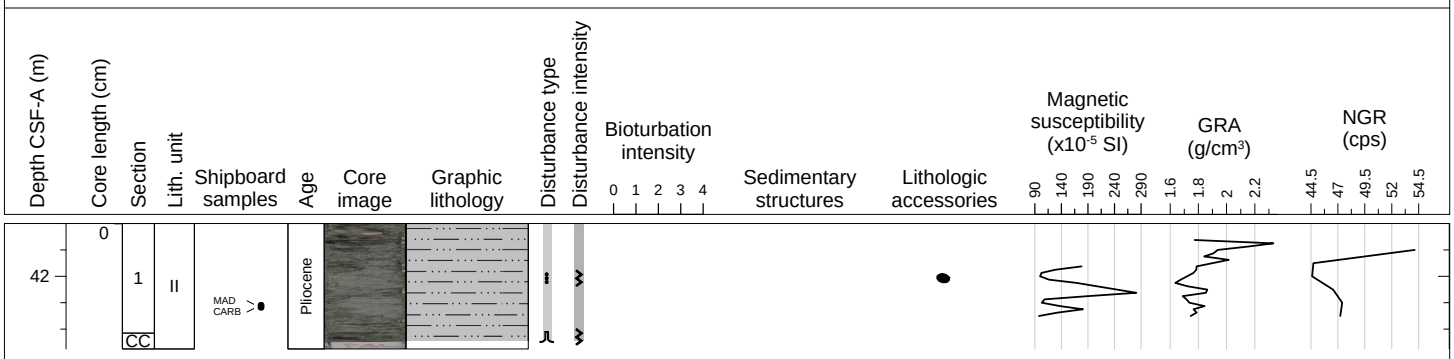
Hole 374-U1523A Core 6F, Interval 36.9-41.64 m (CSF-A)

Massive to laminated dark greenish gray diatom-bearing/rich mud interbedded at m- to dm-scale with massive diatom-bearing sandy to muddy diamict. Sand stringers and sand beds have sharp contacts. Sand stringers, clasts, and pyrite-lined burrows and staining occur throughout. Slight to major drilling disturbance is present. Section 4 was disturbed during core splitting.



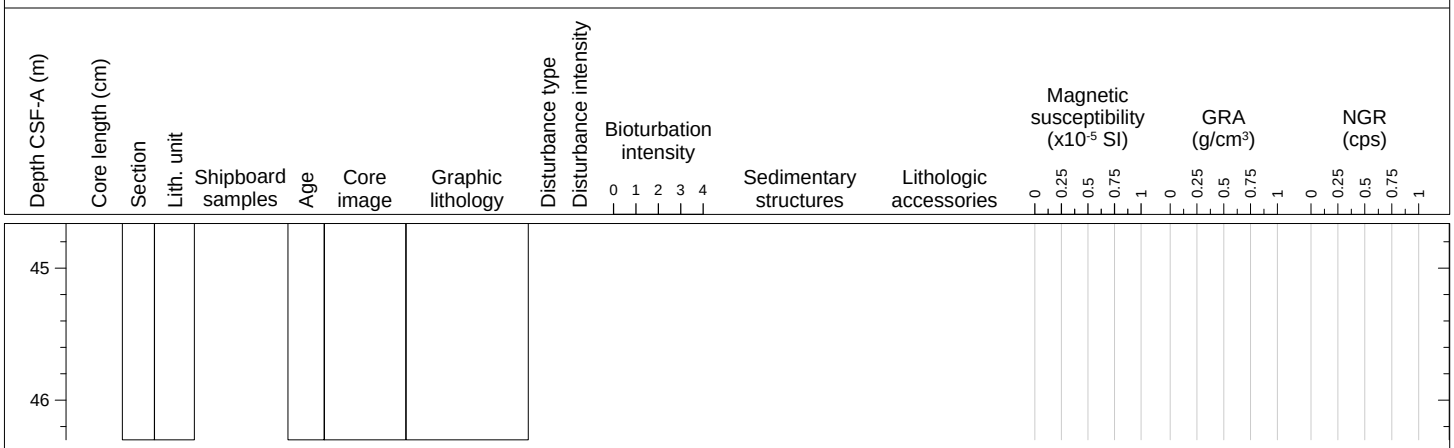
Hole 374-U1523A Core 7F, Interval 41.6-42.55 m (CSF-A)

Massive dark greenish gray diatom-rich mud with dispersed clasts. Clasts are observed throughout. Contacts are unclear as the core is soupy and extremely disturbed.



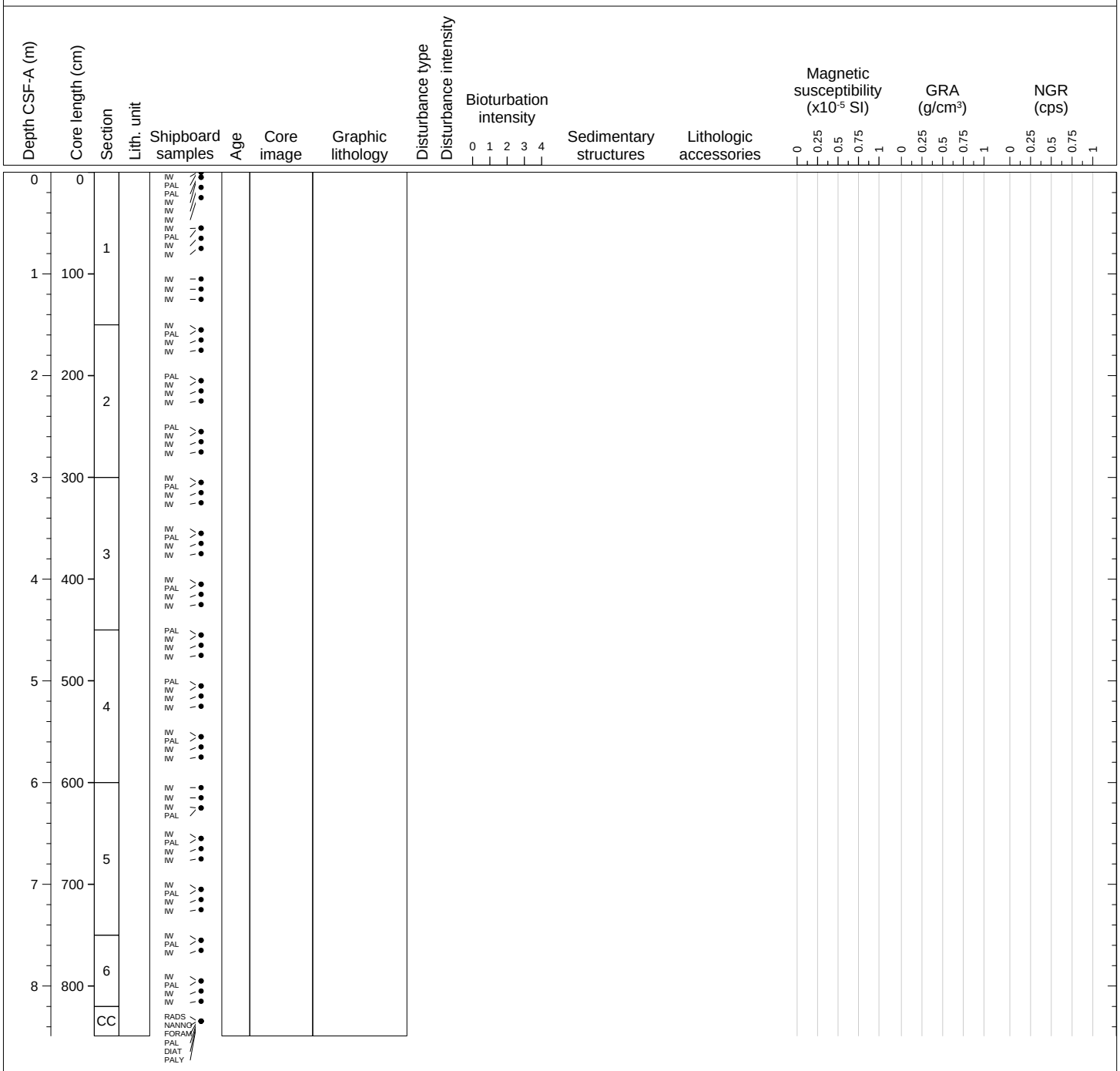
Hole 374-U1523A Core 8G, Interval 0.0-46.3 m (CSF-A)

GHOST CORE



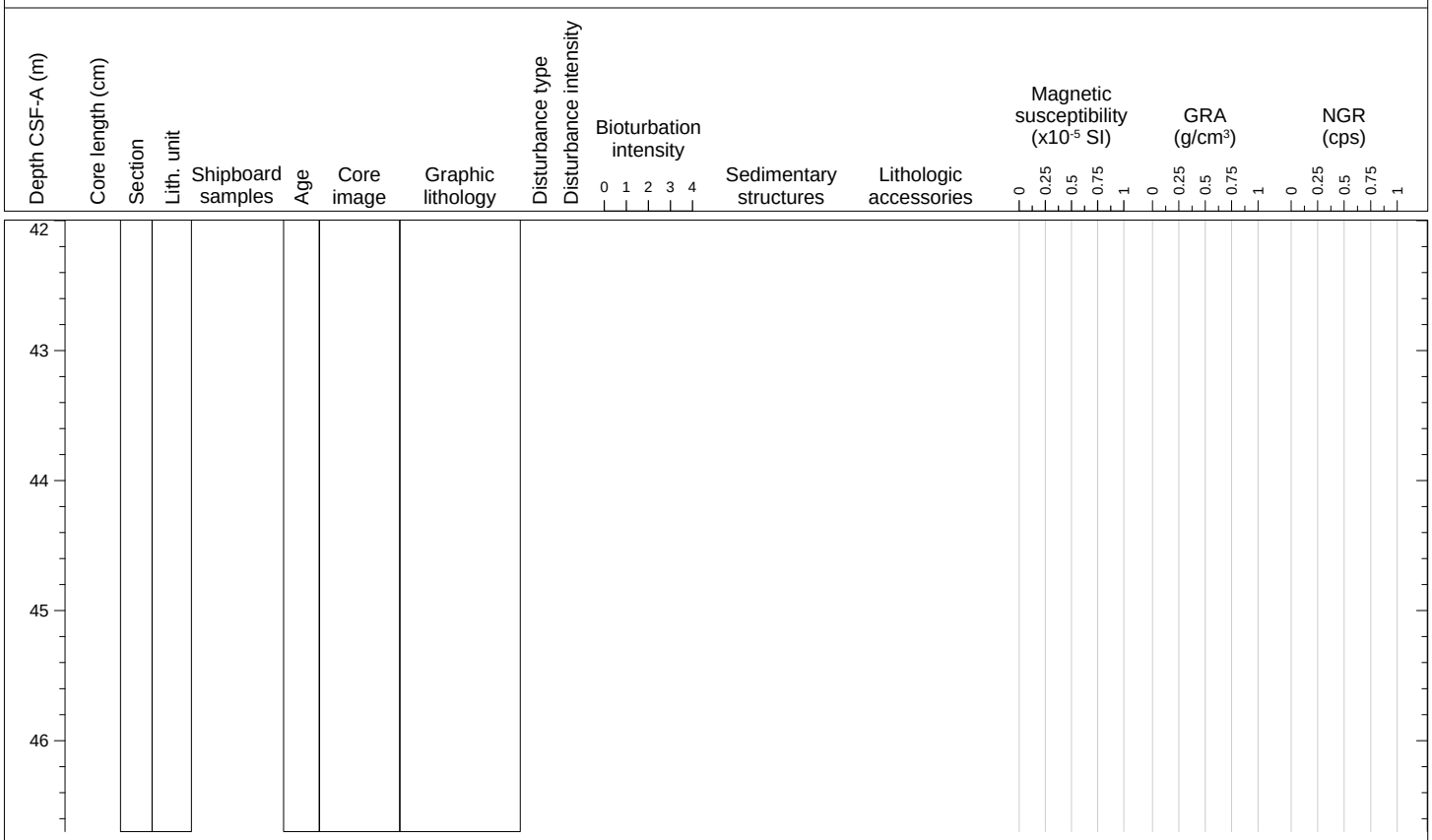
Hole 374-U1523B Core 1H, Interval 0.0-8.49 m (CSF-A)

ALL TO IW/MBIO/PAL



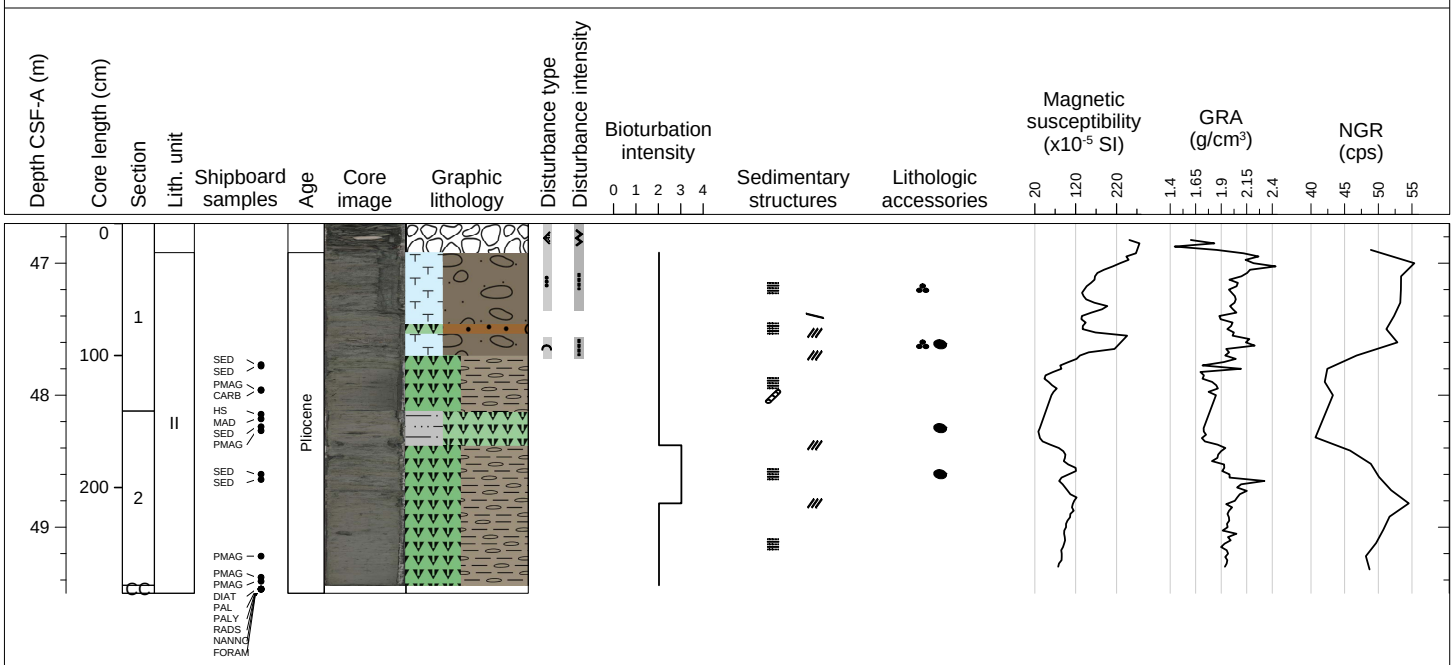
Hole 374-U1523B Core 21, Interval 8.5-46.7 m (CSF-A)

DRILLED INTERVAL



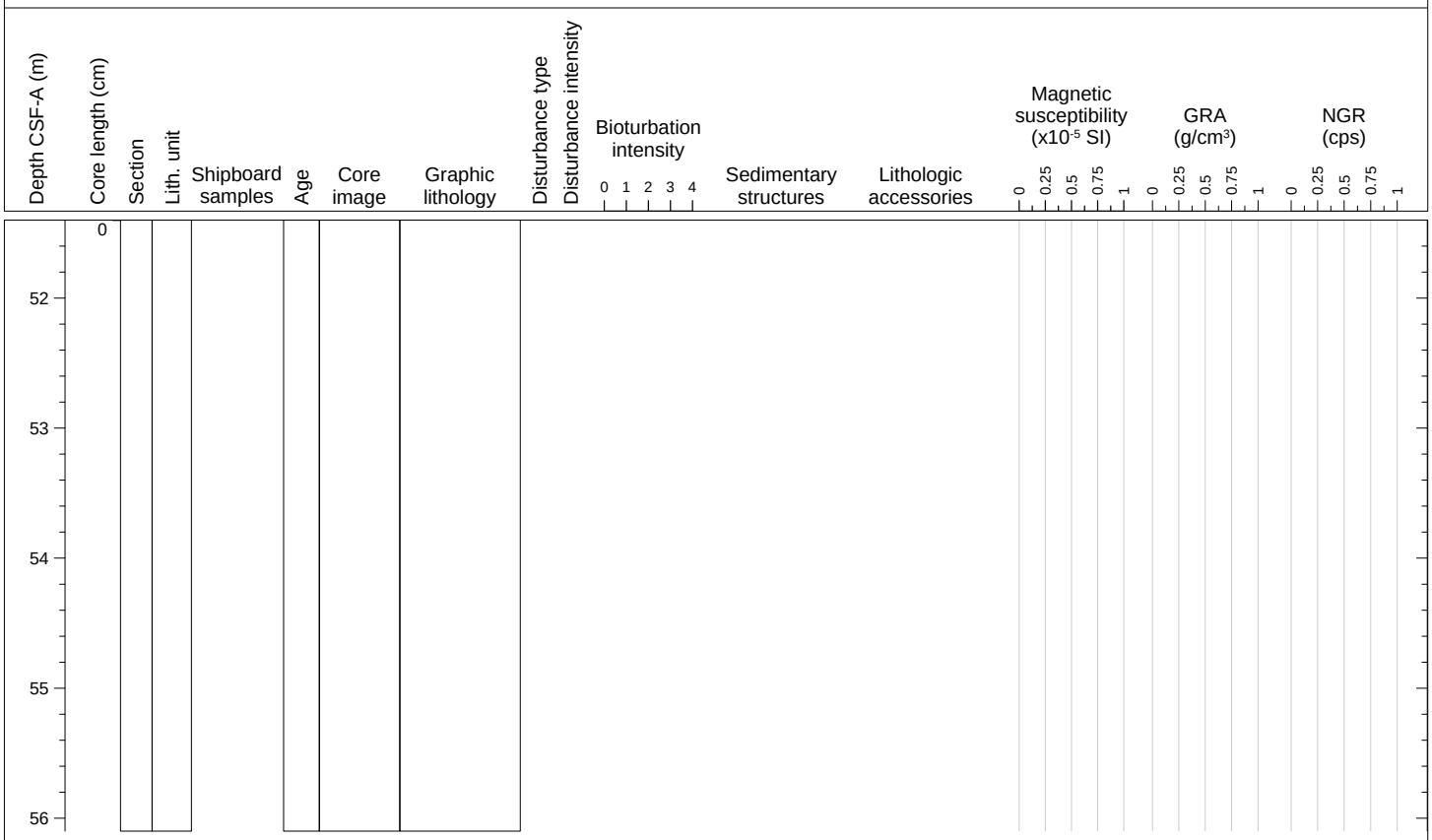
Hole 374-U1523B Core 3F, Interval 46.7-49.5 m (CSF-A)

Massive bioturbated dark greenish gray foraminifer-bearing clast-rich to clast-poor sandy to muddy diamict interbedded on dm-scale with bioturbated to laminated diatom-rich mud and muddy diatom ooze with common clasts. Contacts are sharp (inclined to planar), gradational, or bioturbated. Foraminifers, pyrite stained/lined burrows, and clasts are present throughout. The core is slightly to moderately disturbed. Diatom abundance is rare to common in foraminifer-bearing beds.



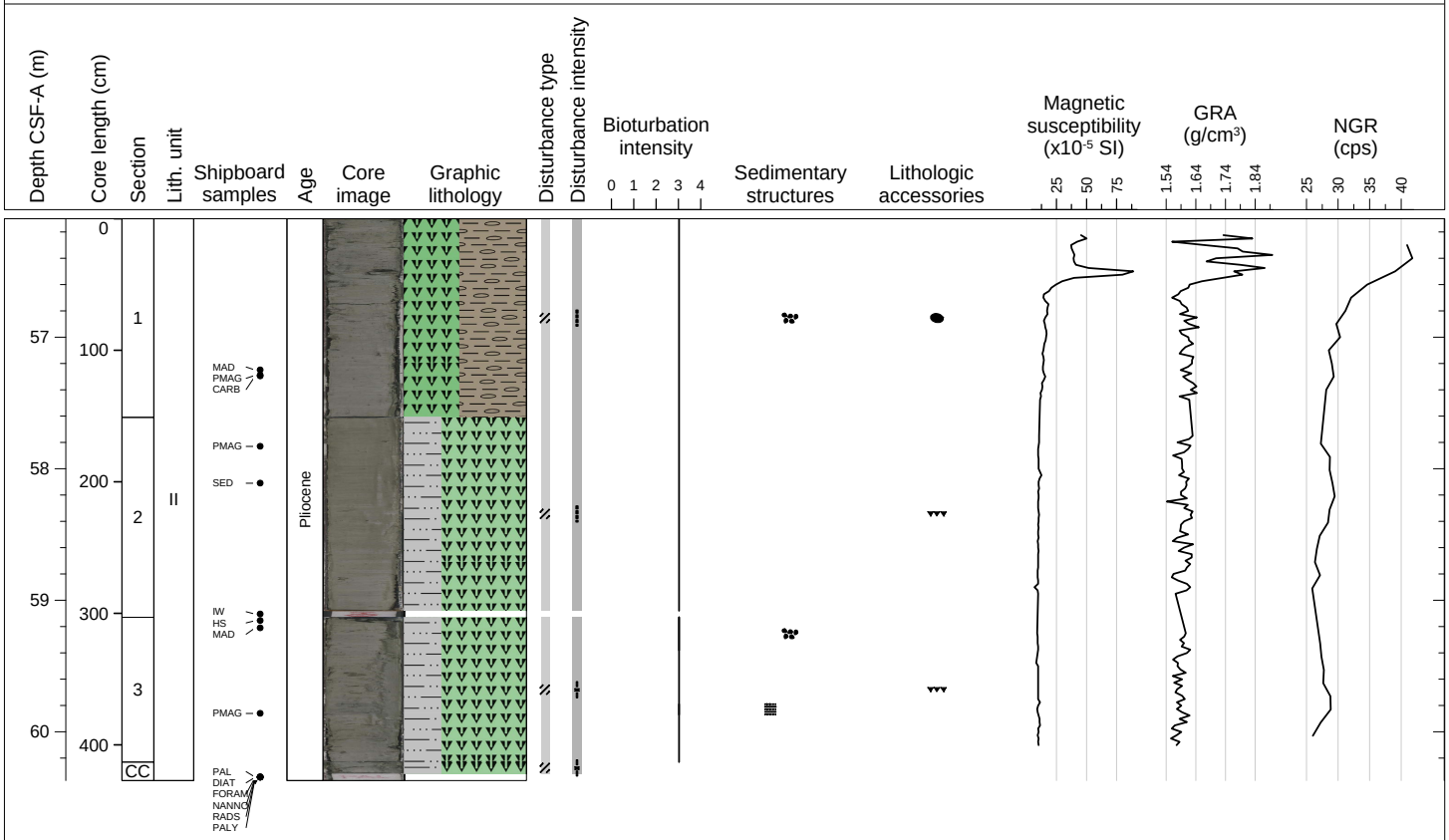
Hole 374-U1523B Core 4F, Interval 51.4-56.14 m (CSF-A)

NO RECOVERY



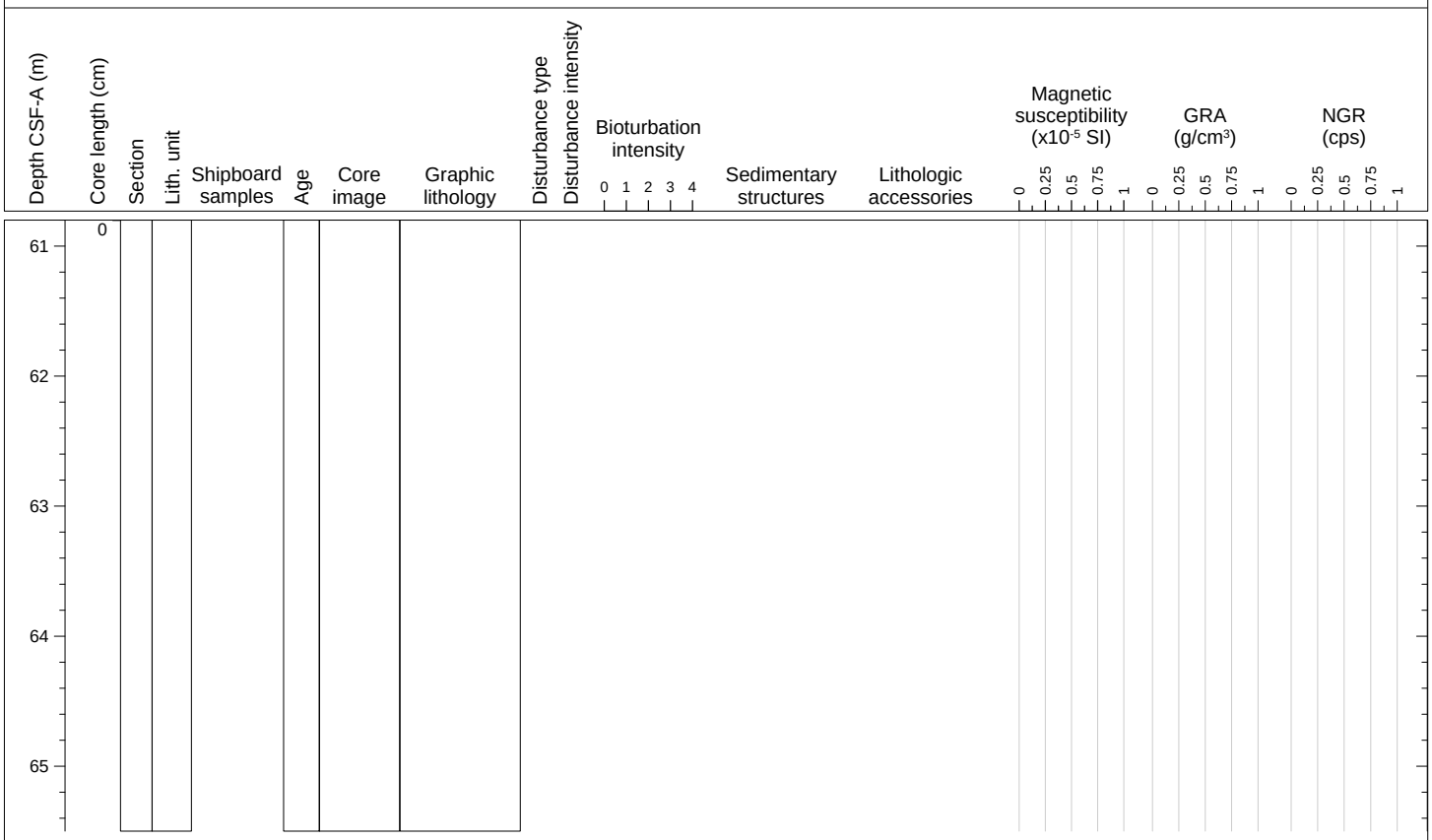
Hole 374-U1523B Core 5F, Interval 56.1-60.37 m (CSF-A)

Massive mottled/bioturbated dark greenish gray diatom-rich interbedded mud and diamict overlying muddy diatom ooze with some intervals of dispersed clasts. Mud clasts are present throughout. The core is soupy to moderately disturbed.



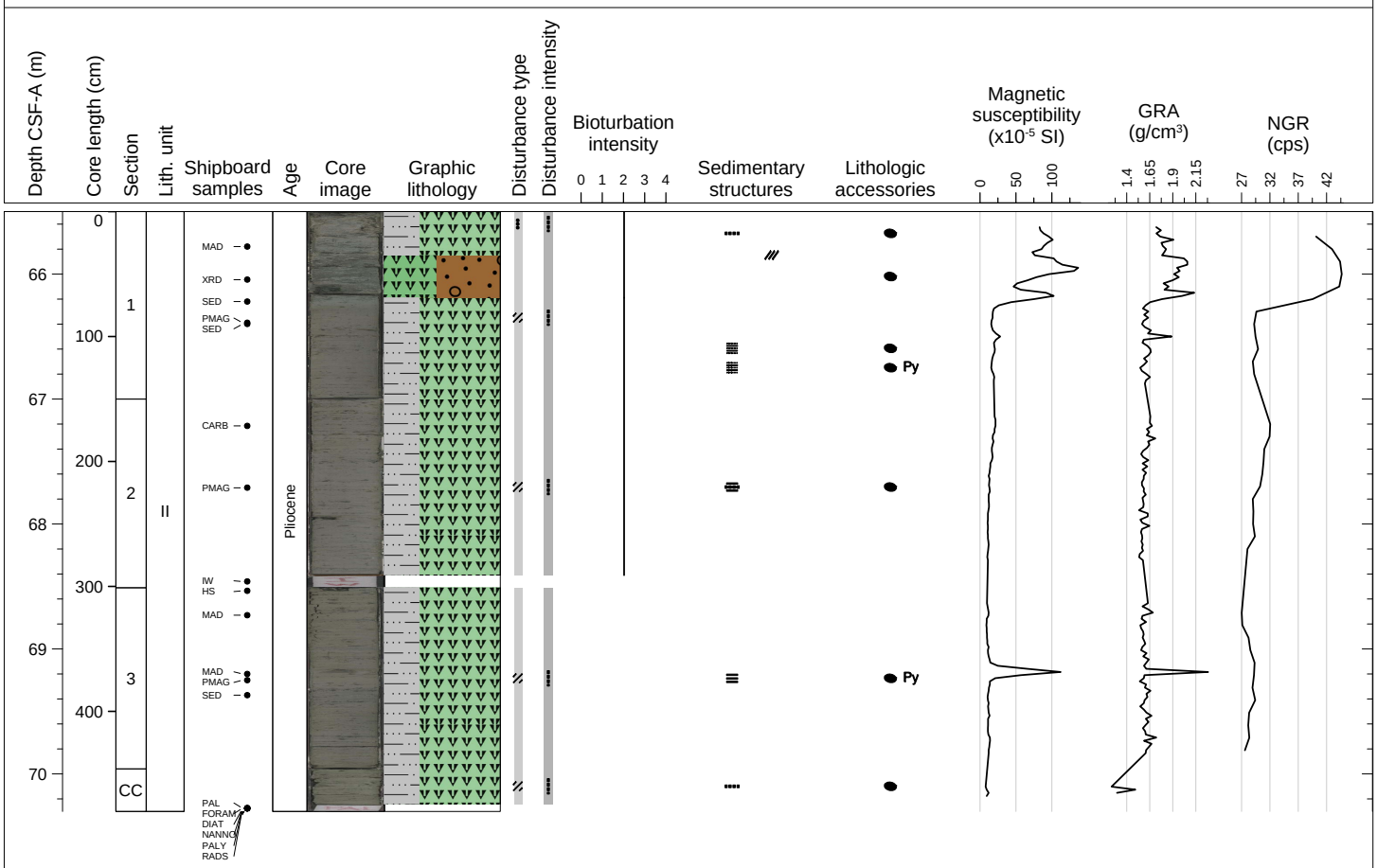
Hole 374-U1523B Core 6F, Interval 60.8-65.5 m (CSF-A)

NO RECOVERY



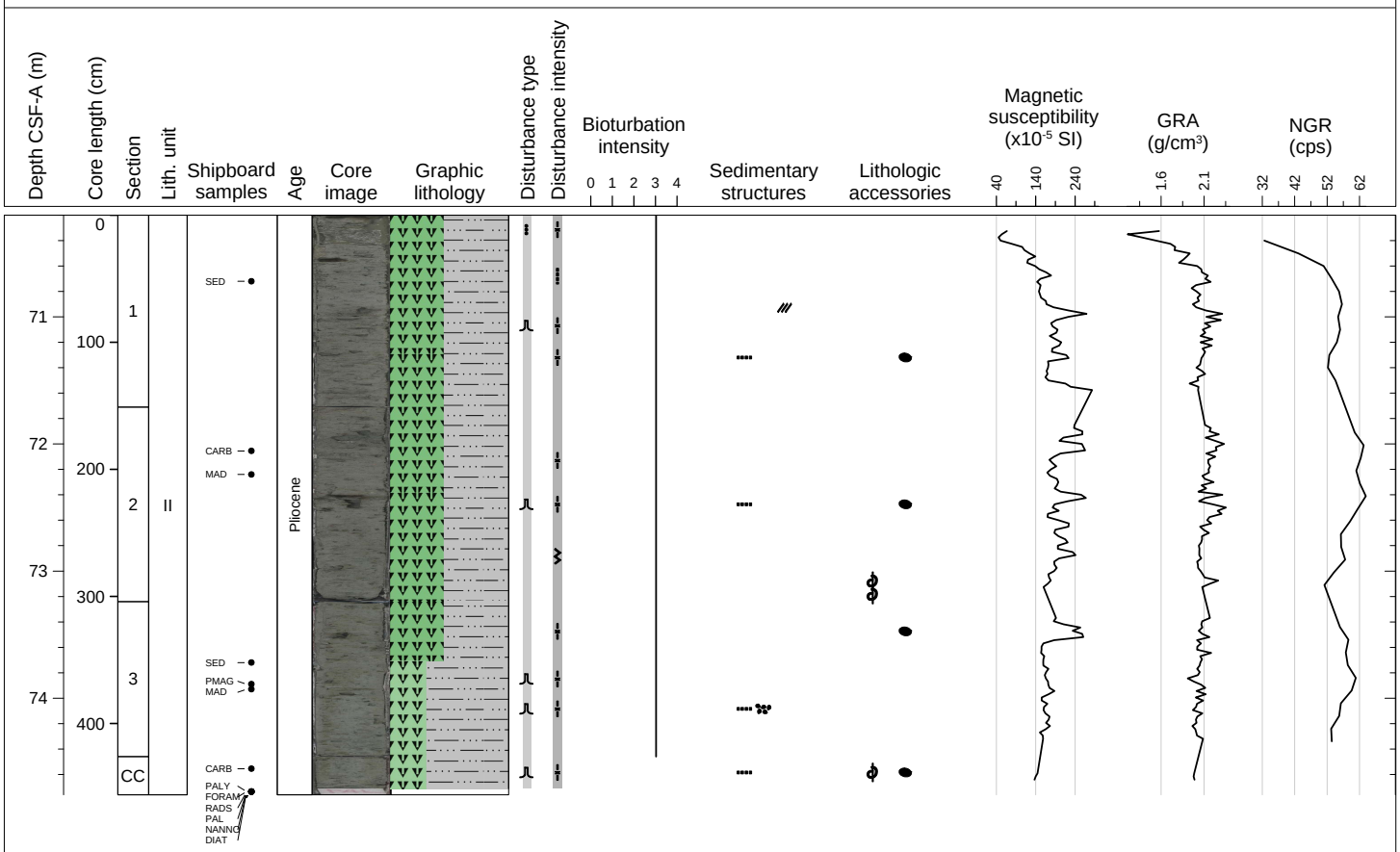
Hole 374-U1523B Core 7F, Interval 65.5-70.3 m (CSF-A)

Massive bioturbated to laminated dark greenish gray muddy diatom ooze with dispersed clasts with an interbed of diatom-rich clast-poor muddy diamict. Contacts are sharp or bioturbated. Mud clasts, sand stringers, pyrite staining, and clasts are present throughout. The core is moderately to slightly disturbed.



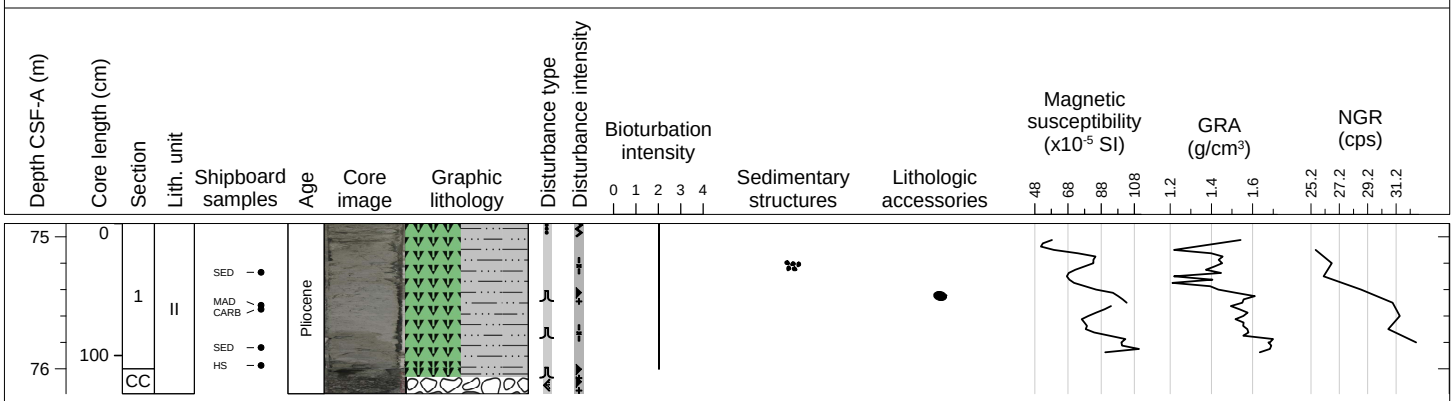
Hole 374-U1523B Core 8F, Interval 70.2-74.76 m (CSF-A)

Massive bioturbated dark greenish gray diatom-bearing/rich mud with dispersed clasts. The core is soupy to moderately disturbed with flow-in (Sections 2–CC). Diatom content decreases downcore.



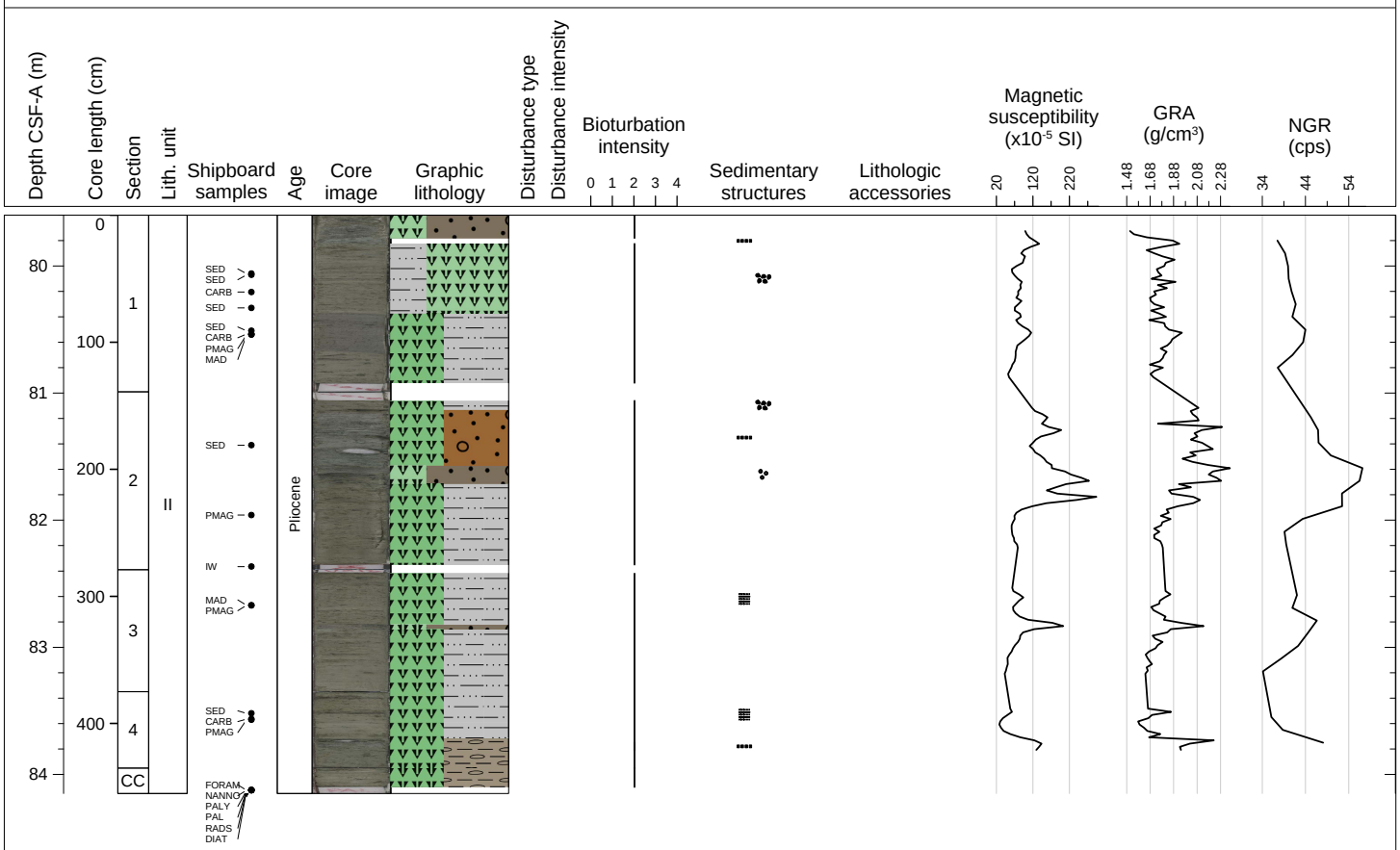
Hole 374-U1523B Core 9F, Interval 74.9-76.19 m (CSF-A)

Massive bioturbated dark greenish gray diatom-rich mud with dispersed clasts. Contacts are wavy due to coring disturbance. Sand and gravel are present in the core catcher. The core is soupy to moderately disturbed with flow-in.



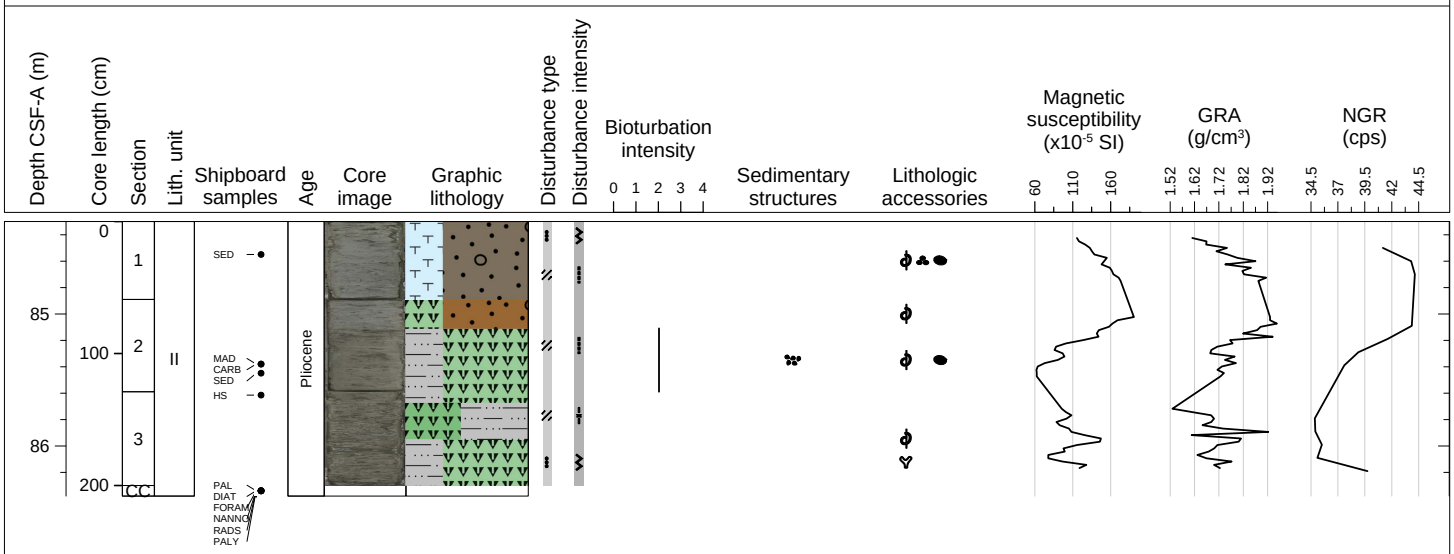
Hole 374-U1523B Core 10F, Interval 79.6-84.15 m (CSF-A)

Massive bioturbated to laminated greenish gray diatom-rich mud to muddy diatom ooze with abundant clasts interbedded at dm-scale with massive bioturbated clast-poor sandy and muddy diamict. Contacts are sharp to bioturbated. Pyrite staining and clasts are present throughout. The core is soupy to moderately disturbed with flow-in (Section 2).



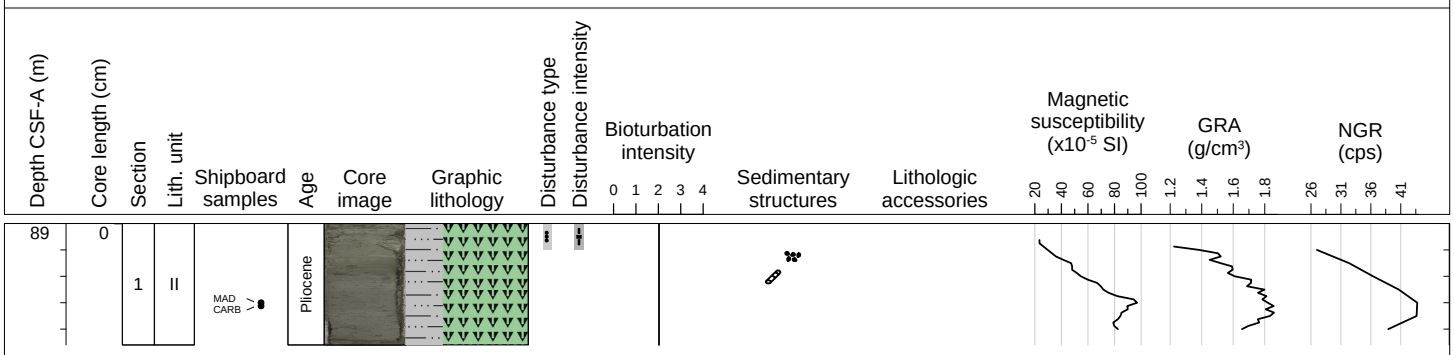
Hole 374-U1523B Core 11F, Interval 84.3-86.38 m (CSF-A)

Massive greenish gray foraminifer-bearing to diatom-bearing clast-poor sandy to muddy diamict overlying olive grown muddy diatom ooze to diatom-rich mud with common clasts. Clasts, shell fragments, bryozoan fragments, and worm tubes are present throughout. The core is soupy to moderately disturbed. Diatom abundance is rare to common in foraminifer-bearing beds.



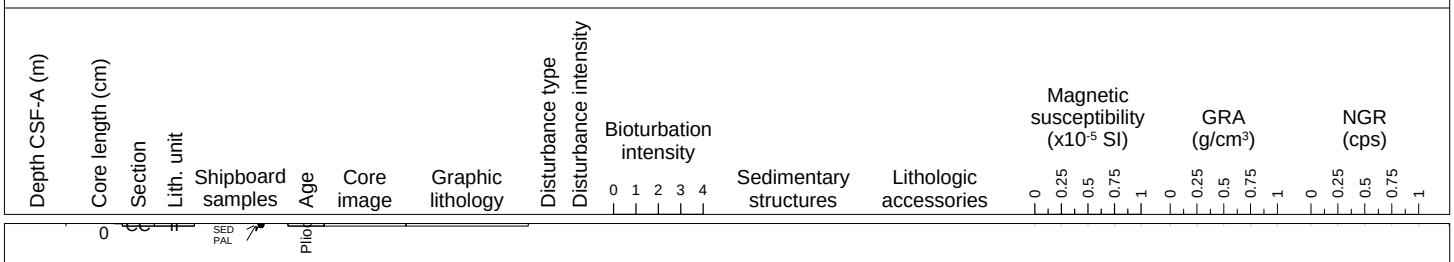
Hole 374-U1523B Core 12F, Interval 89.0-89.92 m (CSF-A)

Massive bioturbated olive gray muddy diatom ooze with dispersed clasts. Sand content increases downcore. The core is soupy to slightly disturbed.



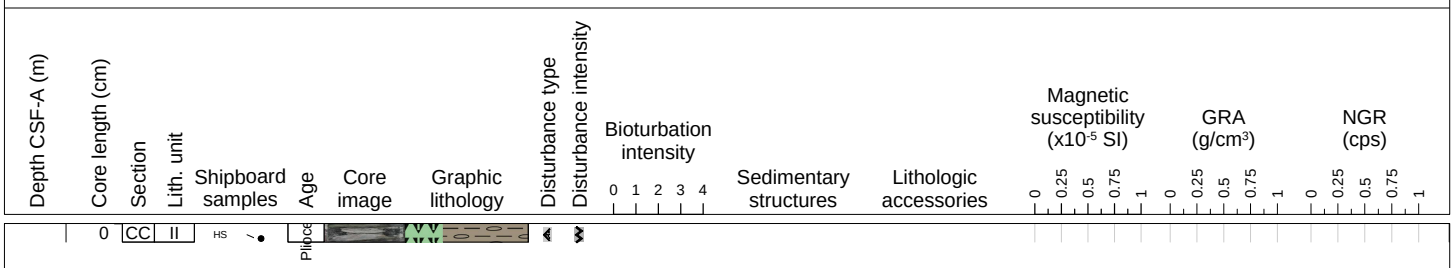
Hole 374-U1523B Core 13F, Interval 93.7-93.72 m (CSF-A)

ALL TO PAL



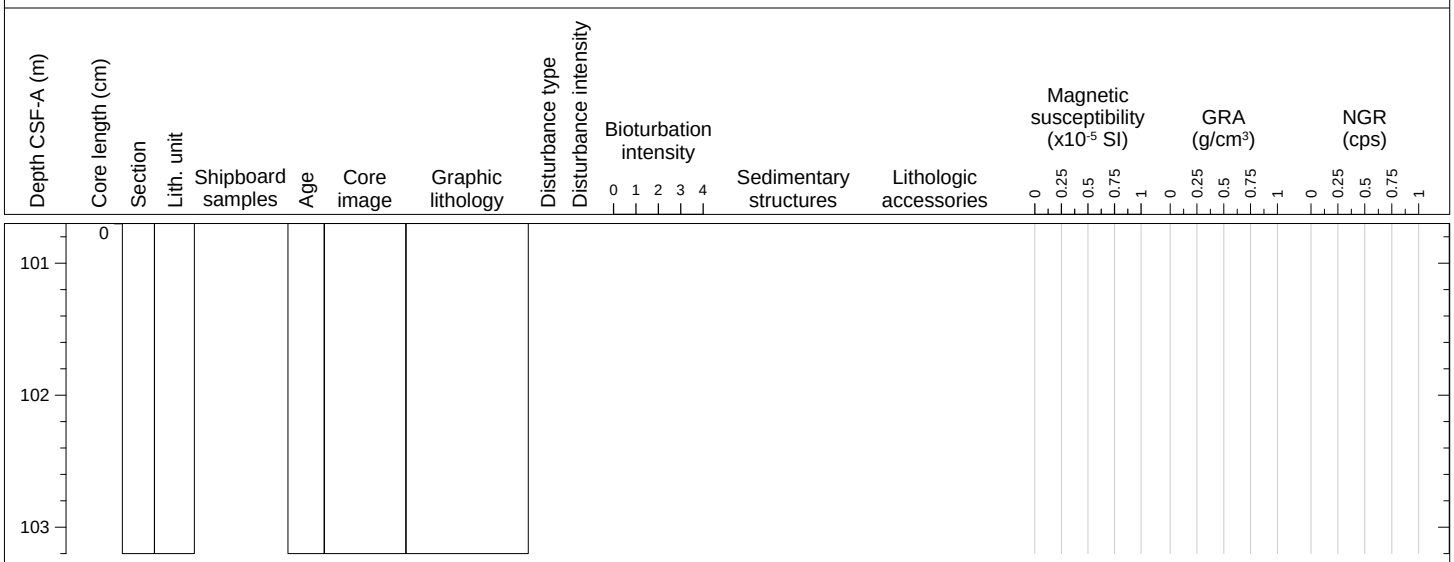
Hole 374-U1523B Core 14X, Interval 93.8-93.94 m (CSF-A)

Greenish gray diatom-bearing interbedded mud and diamict.



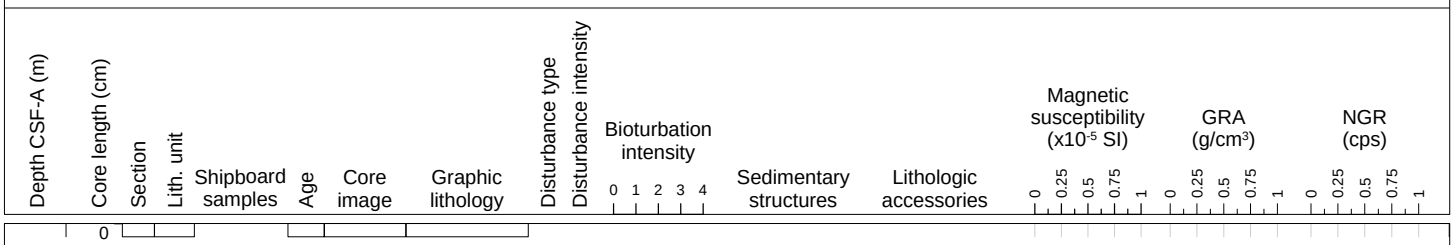
Hole 374-U1523B Core 15X, Interval 100.7-103.2 m (CSF-A)

NO RECOVERY



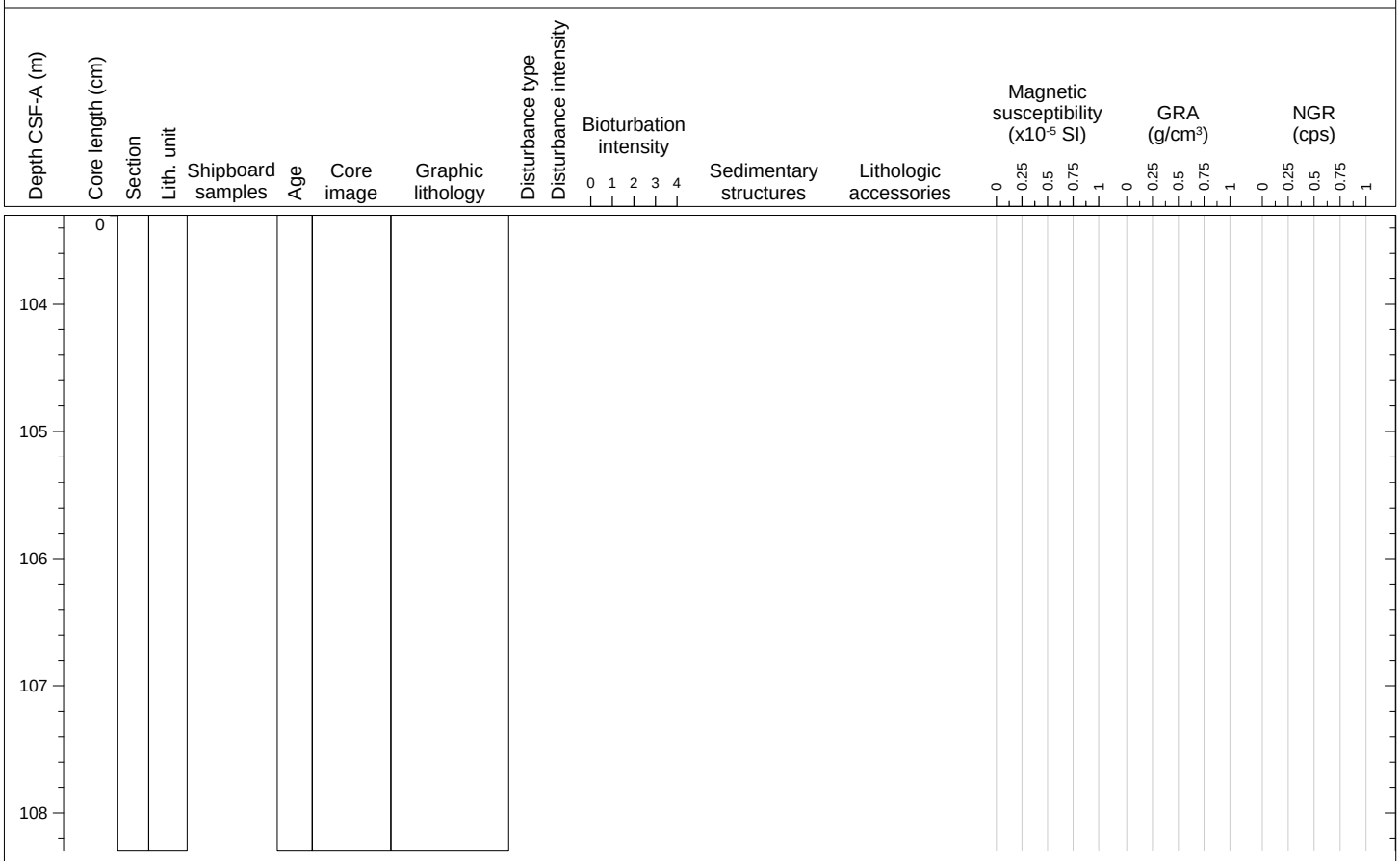
Hole 374-U1523B Core 16X, Interval 103.2-103.3 m (CSF-A)

NO RECOVERY



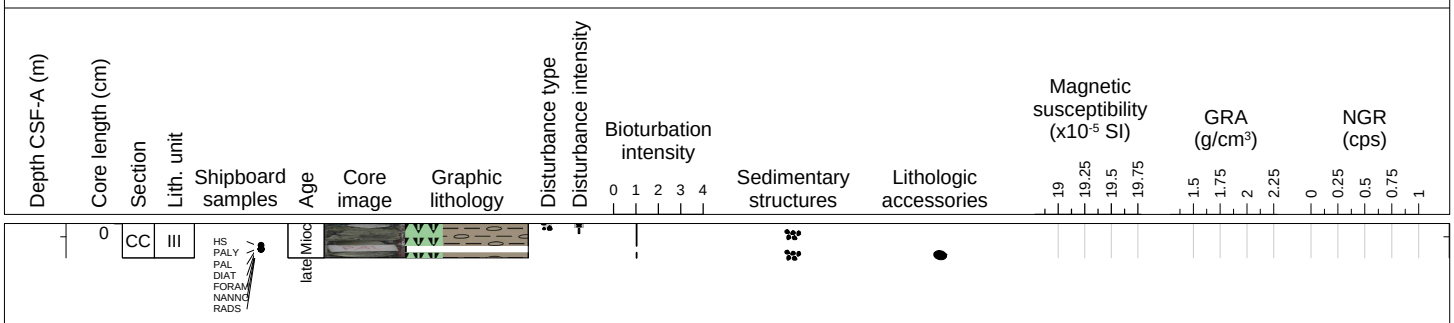
Hole 374-U1523B Core 171, Interval 103.3-108.3 m (CSF-A)

DRILLED INTERVAL



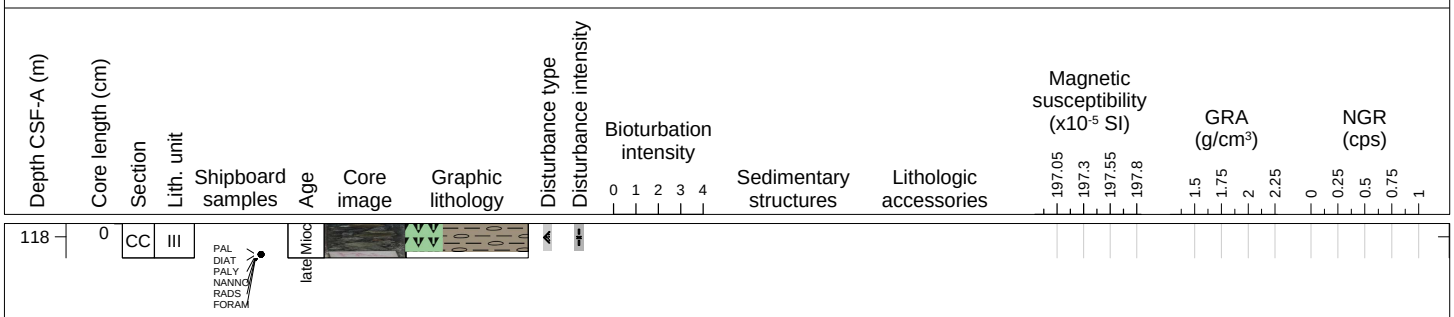
Hole 374-U1523B Core 18X, Interval 108.3-108.56 m (CSF-A)

Massive bioturbated greenish gray diatom-bearing interbedded mud and diamict.



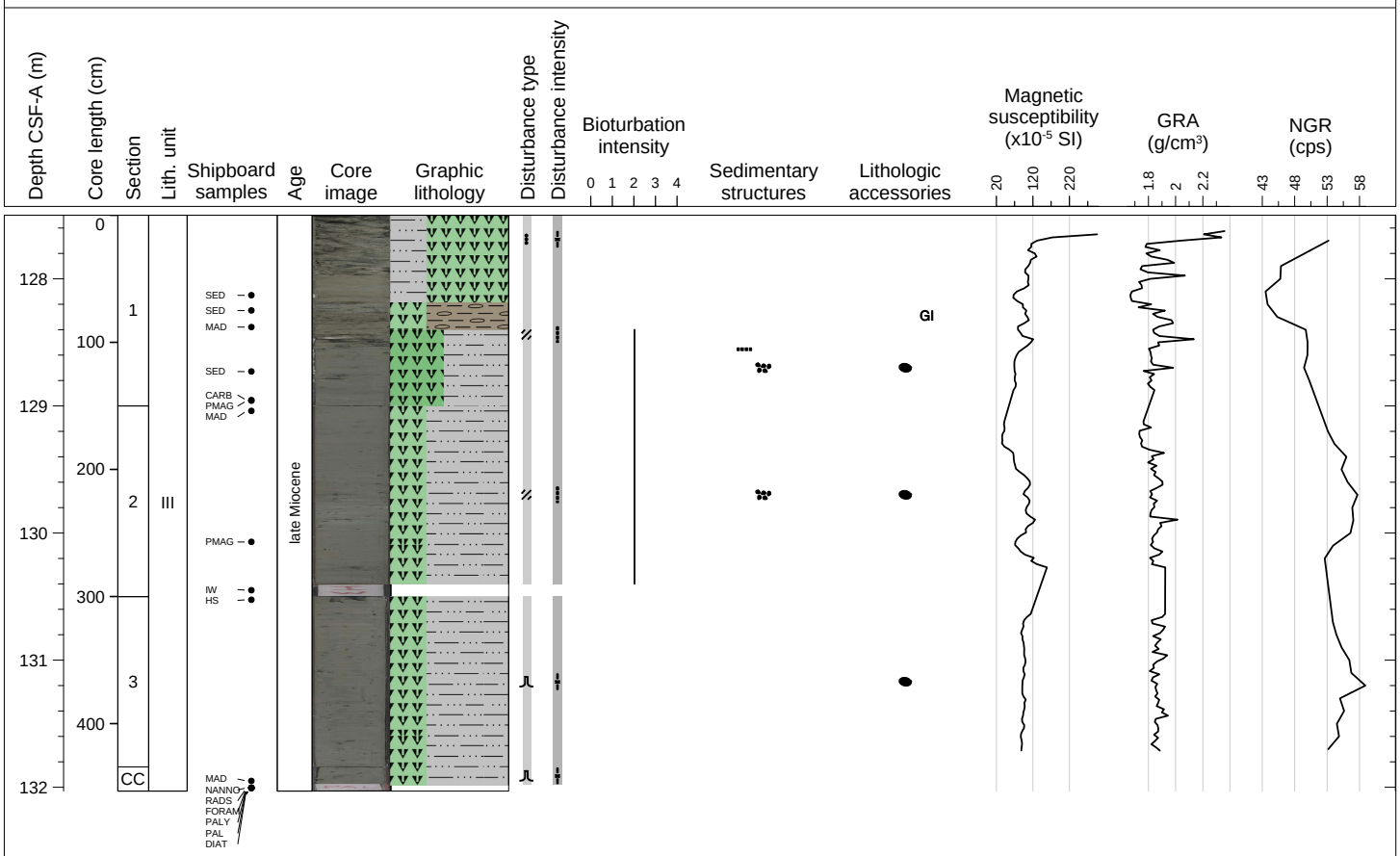
Hole 374-U1523B Core 19X, Interval 117.9-118.16 m (CSF-A)

Greenish gray diatom-bearing interbedded mud and diamict.



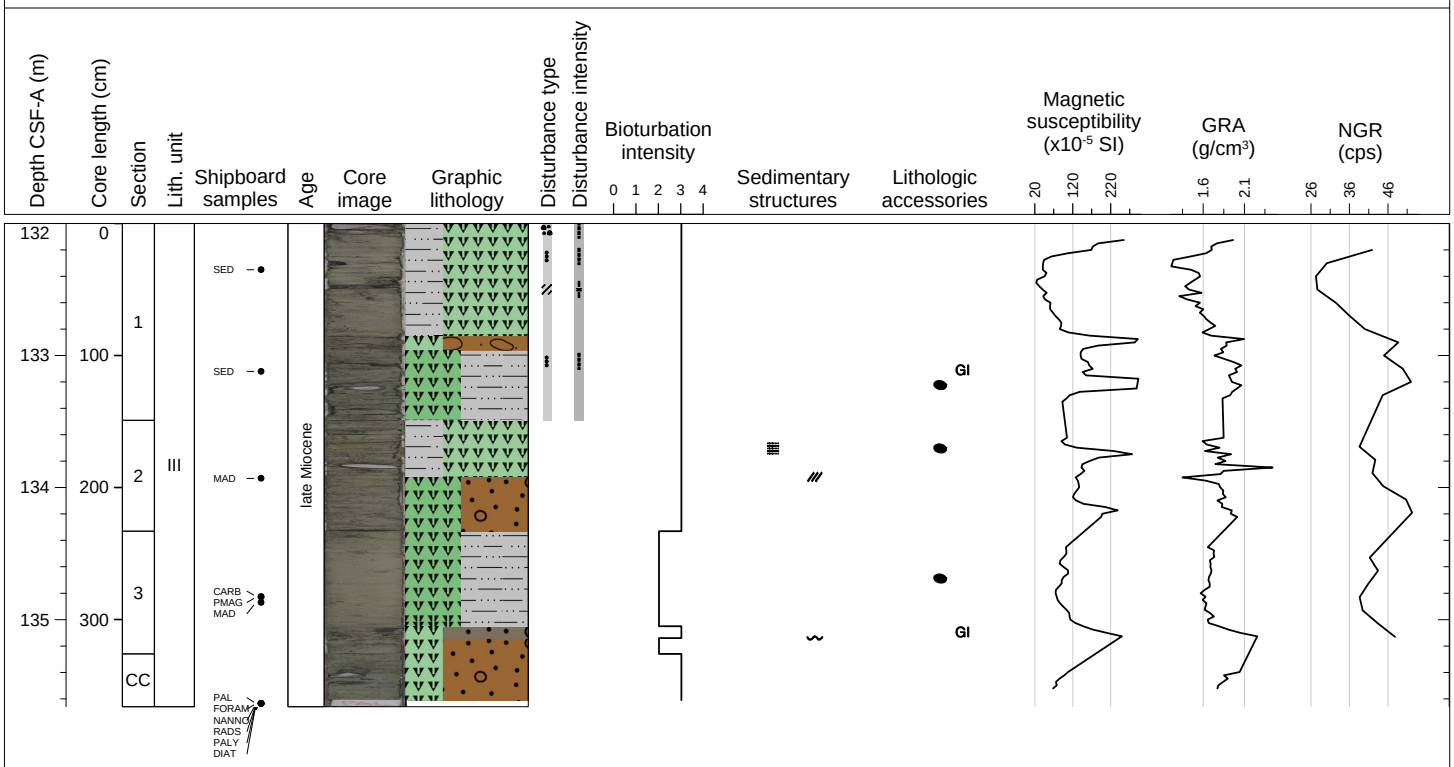
Hole 374-U1523B Core 20F, Interval 127.5-132.03 m (CSF-A)

Massive mottled/bioturbated greenish gray diatom-bearing mud with dispersed clasts overlain with muddy diatom ooze to diatom-rich mud with an interbed of interbedded mud and diamict (68-90 cm in Section1). Glauconite is present in the sandy mud. Contacts are sharp, gradational, or uncertain. Clasts and pyrite staining are observed throughout. Core disturbance ranges from mousse-like/soupy to slight. Flow-in observed in Section 3.



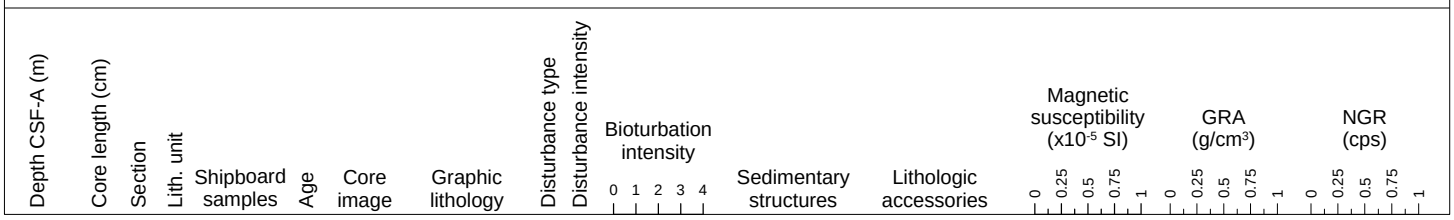
Hole 374-U1523B Core 21F, Interval 132.0-135.66 m (CSF-A)

Massive bioturbated to laminated greenish gray diatom-rich mud to muddy diatom ooze with abundant clasts interbedded at dm-scale with clast-poor sandy to muddy diamict with glauconite. Contacts are sharp, gradational, bioturbated, or uncertain. Clasts and pyrite staining are observed throughout. Core is slightly to moderately disturbed.



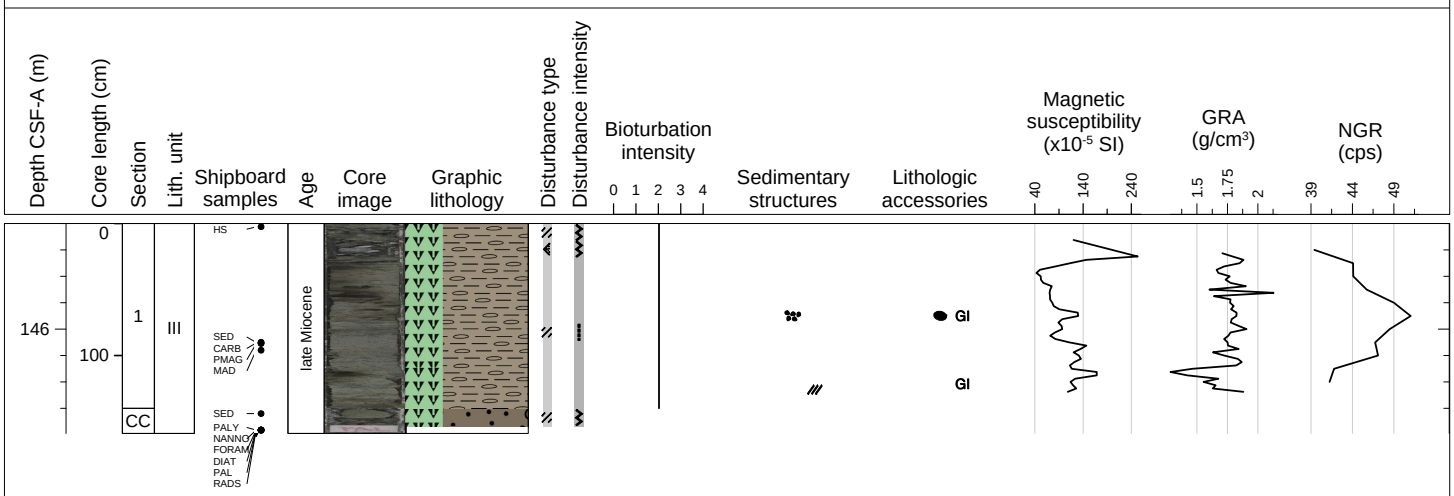
Hole 374-U1523B Core 22X, Interval 135.6-135.74 m (CSF-A)

Cobble-sized gravel.



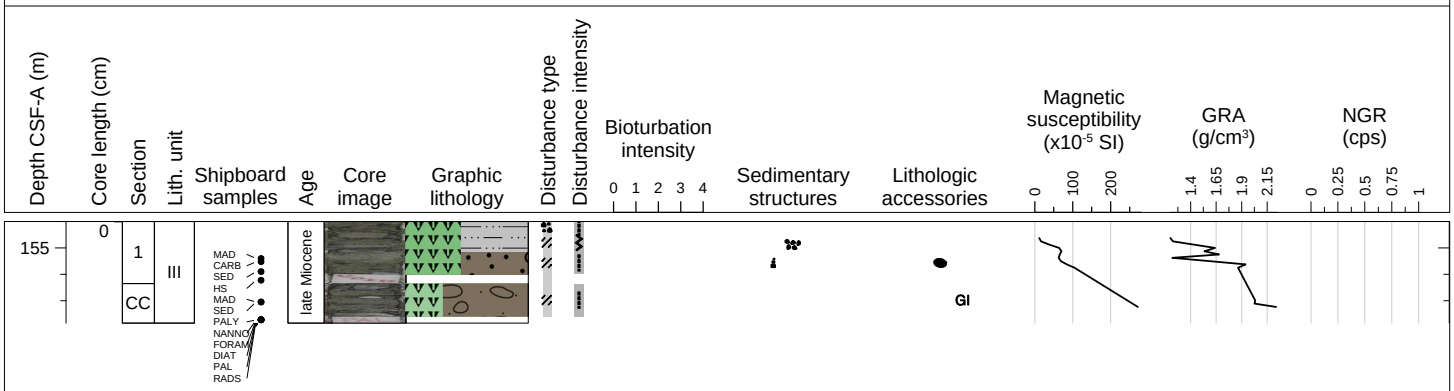
Hole 374-U1523B Core 23X, Interval 145.2-146.79 m (CSF-A)

Massive bioturbated greenish gray diatom-bearing interbedded mud and diamict. Contacts are gradational to uncertain. Glauconite and pyrite staining occur throughout. The core is moderately disturbed.



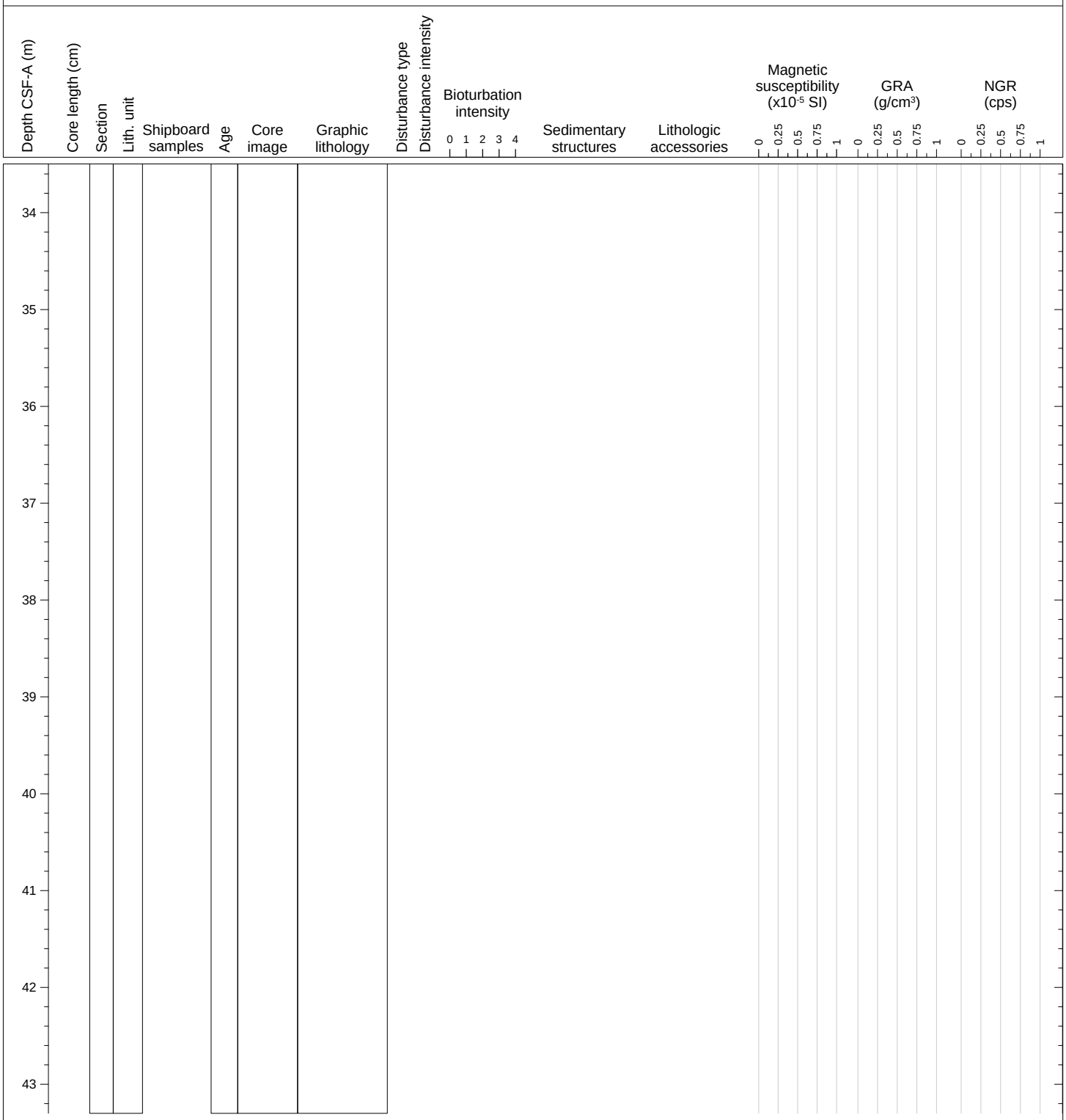
Hole 374-U1523B Core 24X, Interval 154.8-155.57 m (CSF-A)

Massive greenish gray diatom-rich mud with dispersed clasts overlying clast-poor to clast-rich sandy diamict with glauconite. The diamict is lithified (diamictite) from 22 to 25 cm in Section CC. The core is heavily disturbed.



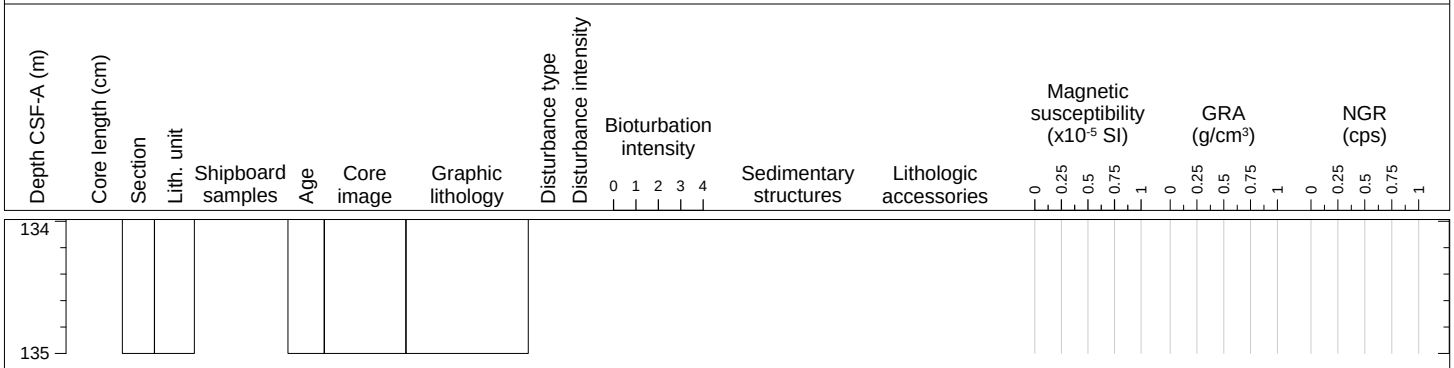
Hole 374-U1523C Core 11, Interval 0.0-43.3 m (CSF-A)

DRILLED INTERVAL



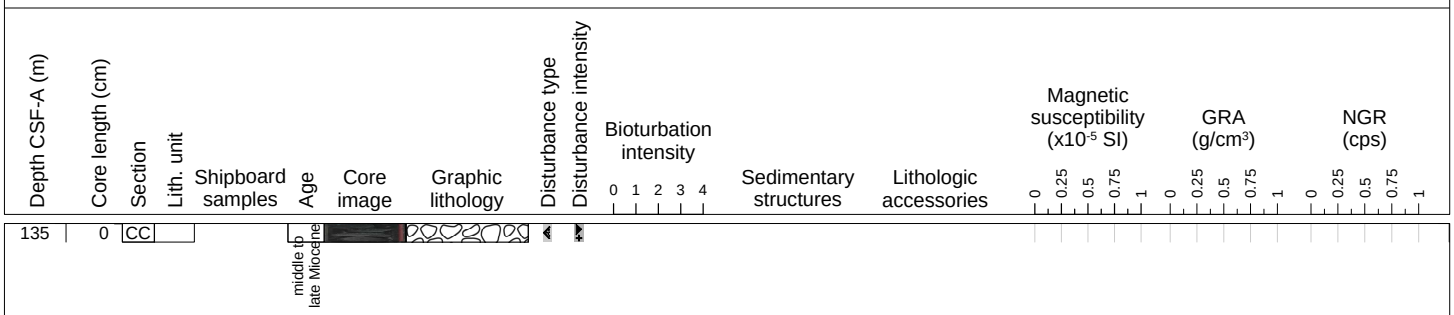
Hole 374-U1523D Core 11, Interval 0.0-135 m (CSF-A)

DRILLED INTERVAL



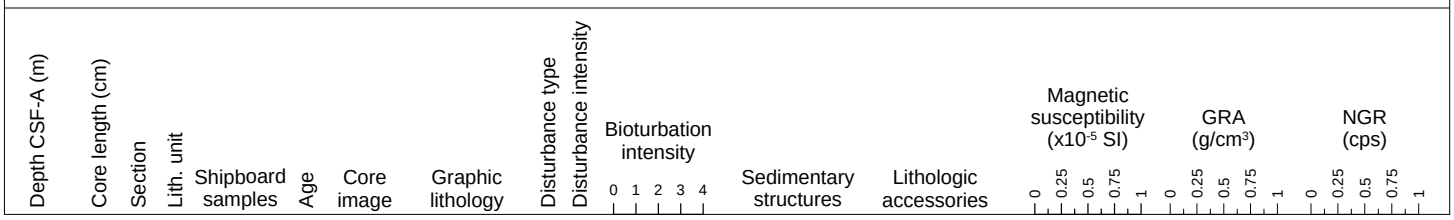
Hole 374-U1523D Core 2R, Interval 135.0-135.14 m (CSF-A)

Cobble-sized gravel.



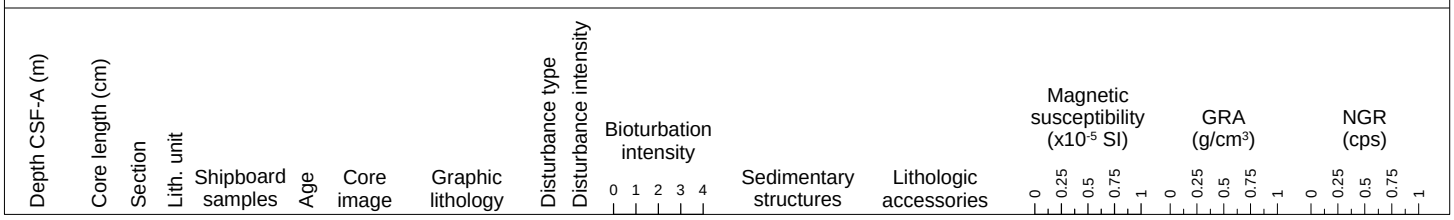
Hole 374-U1523D Core 3R, Interval 144.6-144.73 m (CSF-A)

Cobble-sized gravel.



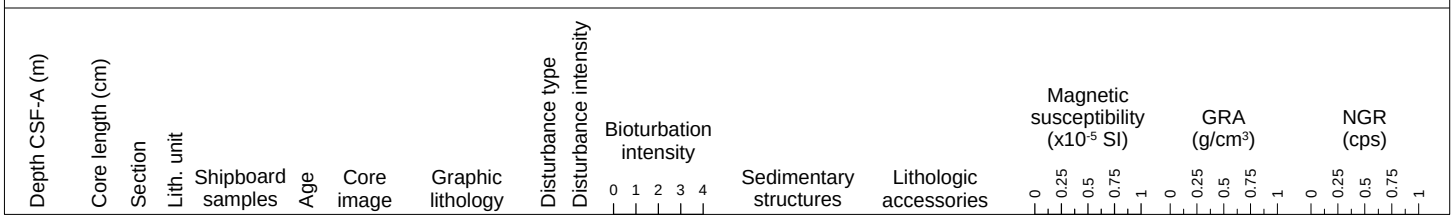
Hole 374-U1523D Core 4R, Interval 154.2-154.25 m (CSF-A)

ALL TO PAL



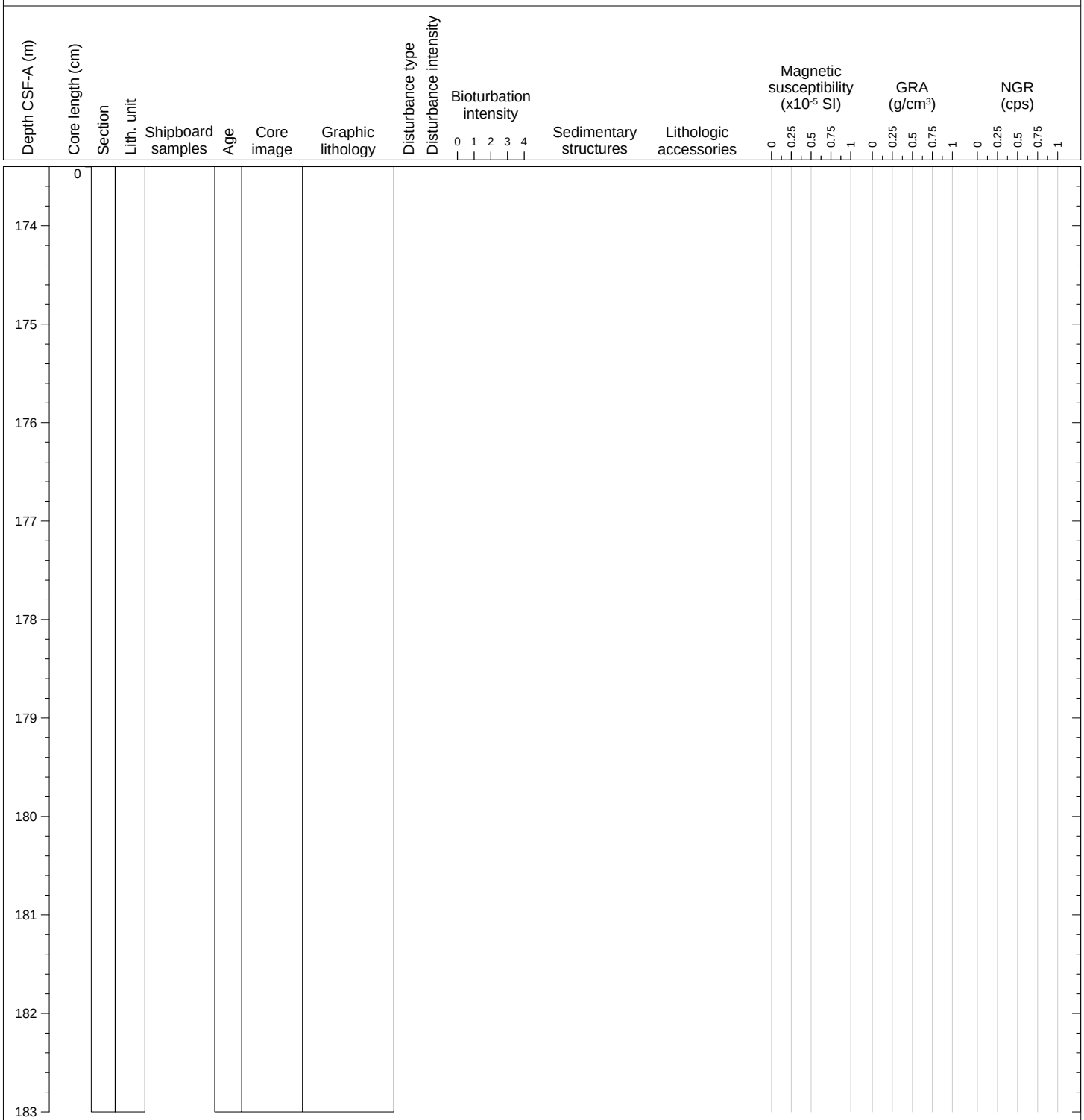
Hole 374-U1523D Core 5R, Interval 163.8-163.87 m (CSF-A)

Cobble-sized gravel.



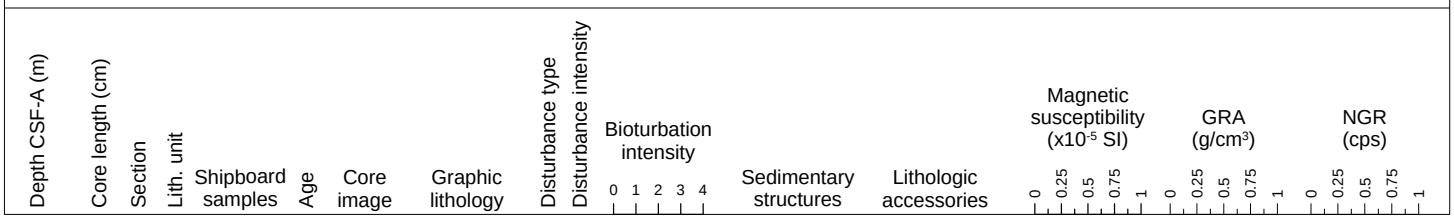
Hole 374-U1523D Core 6R, Interval 173.4-183 m (CSF-A)

NO RECOVERY



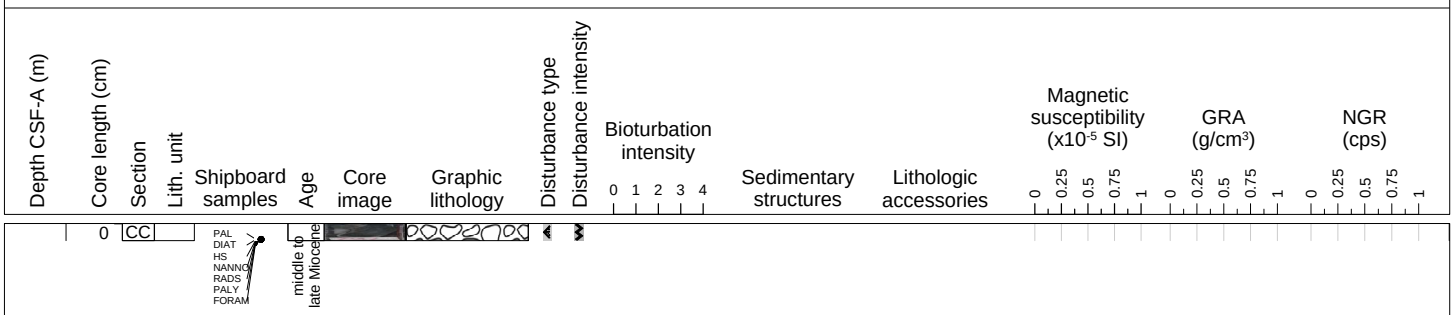
Hole 374-U1523D Core 7R, Interval 183.0-183.04 m (CSF-A)

Cobble-sized gravel.



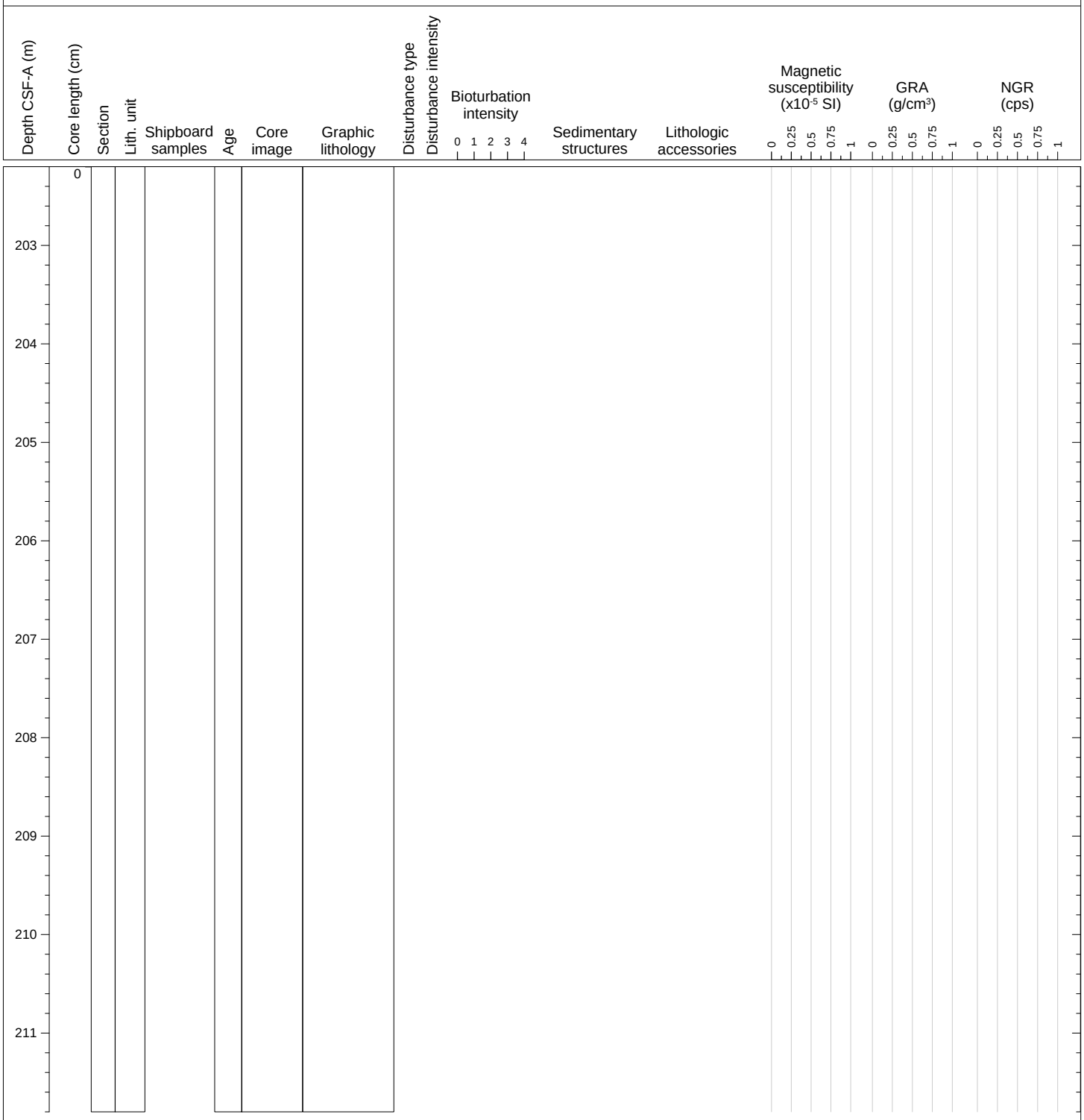
Hole 374-U1523D Core 8R, Interval 192.6-192.73 m (CSF-A)

Cobble-sized gravel.



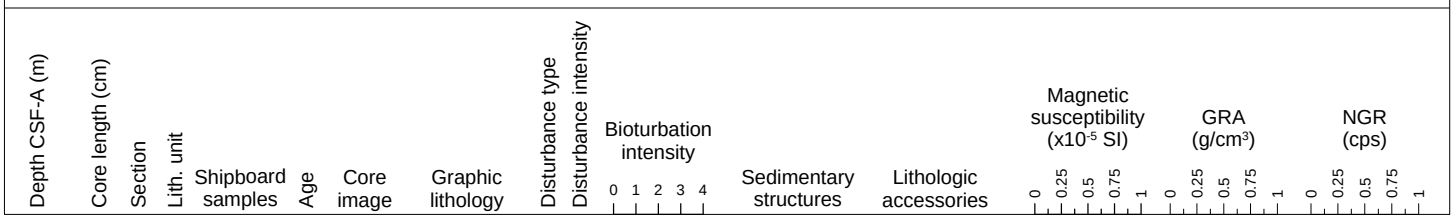
Hole 374-U1523D Core 9R, Interval 202.2-211.8 m (CSF-A)

NO RECOVERY



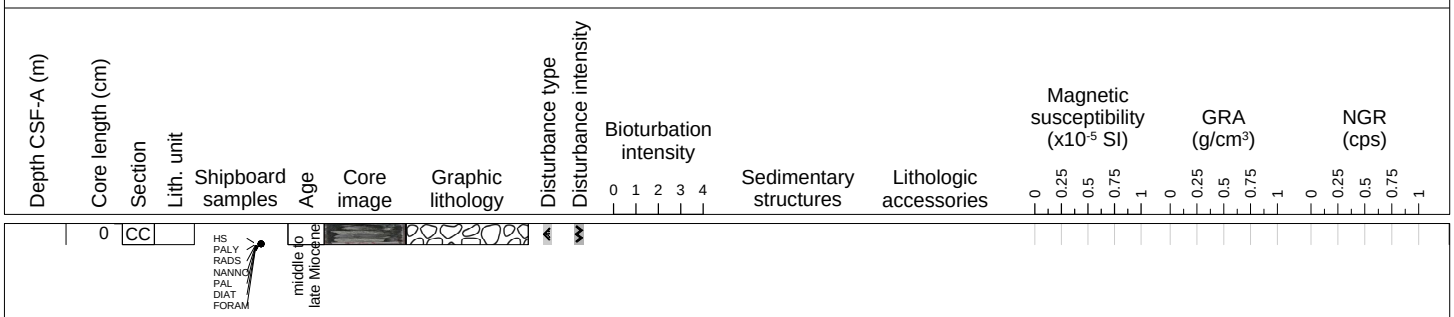
Hole 374-U1523D Core 10R, Interval 211.8-211.85 m (CSF-A)

Cobble-sized gravel.



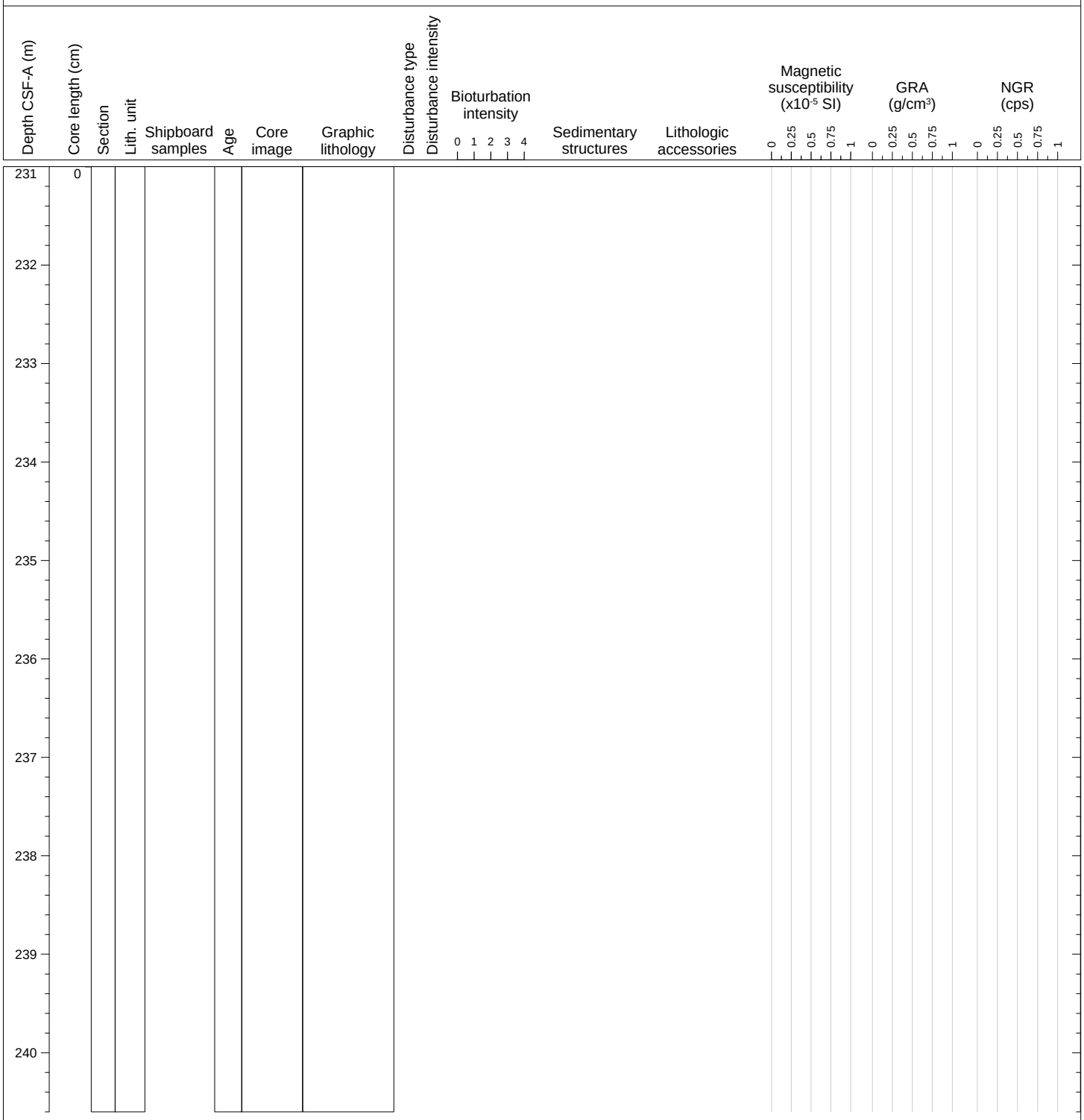
Hole 374-U1523D Core 11R, Interval 221.4-221.56 m (CSF-A)

Cobble-sized gravel.



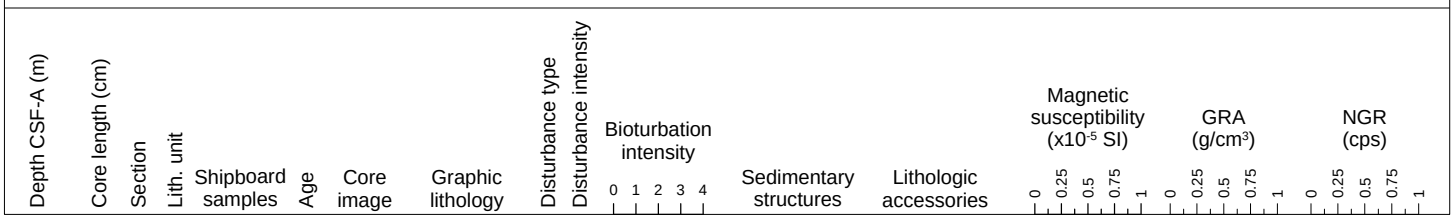
Hole 374-U1523D Core 12R, Interval 231.0-240.6 m (CSF-A)

NO RECOVERY



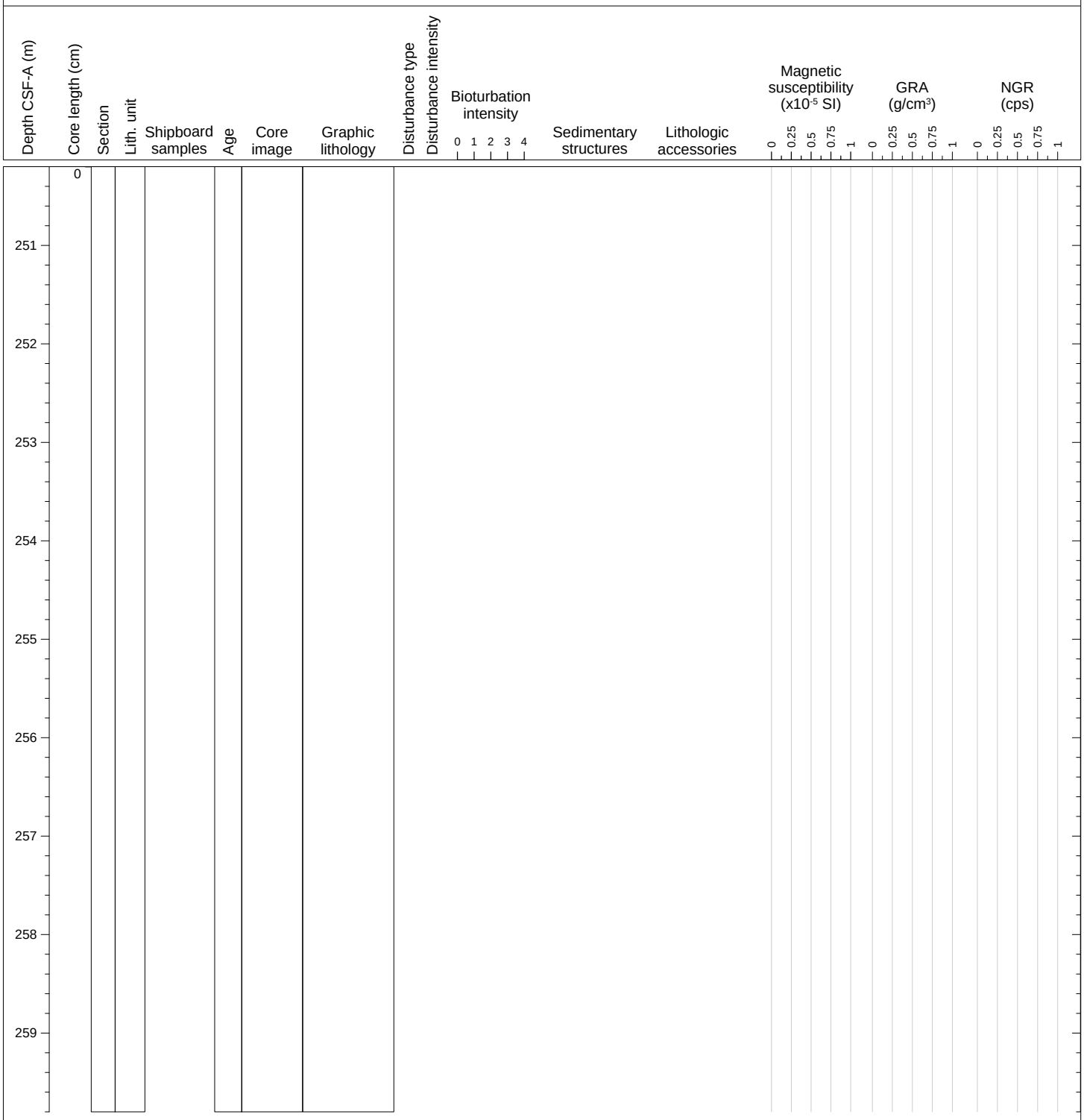
Hole 374-U1523D Core 13R, Interval 240.6-240.67 m (CSF-A)

Cobble-sized gravel.



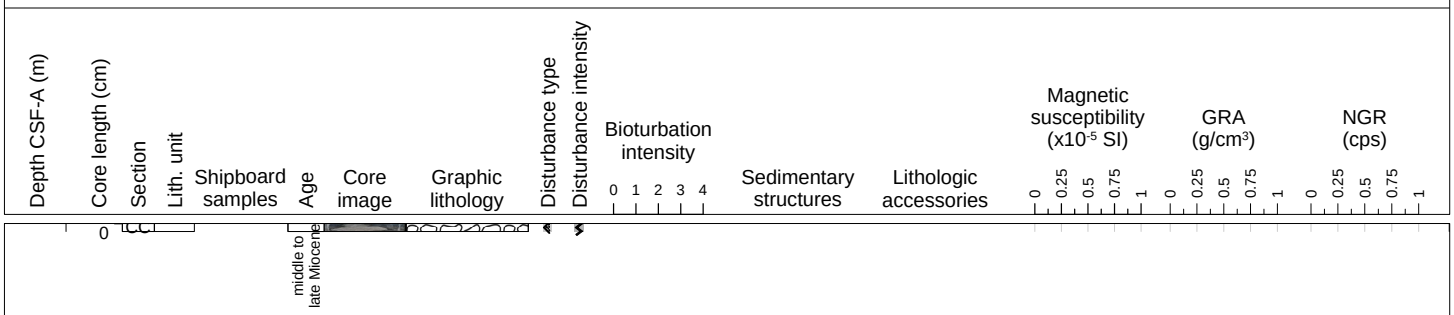
Hole 374-U1523D Core 14R, Interval 250.2-259.8 m (CSF-A)

NO RECOVERY



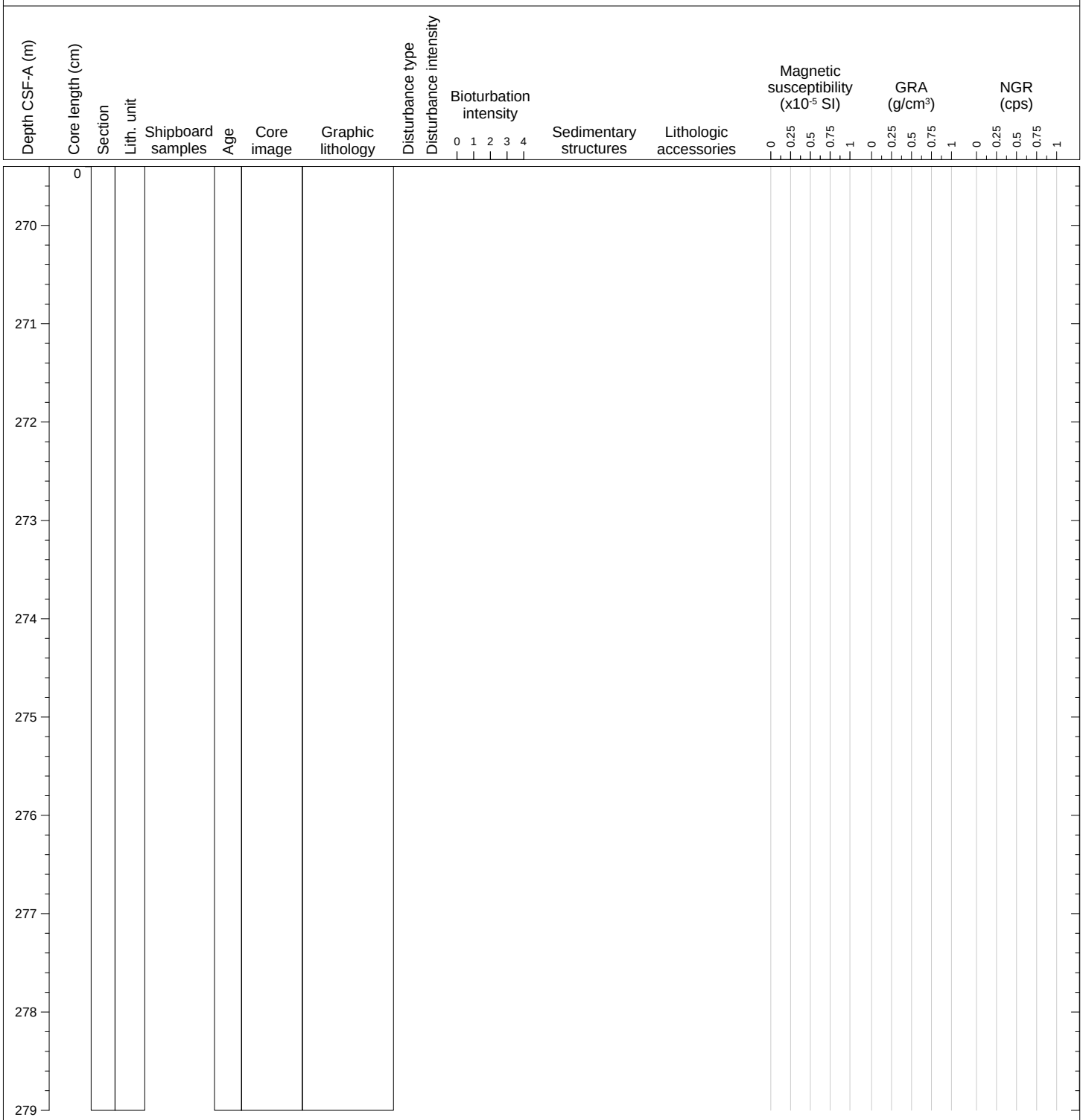
Hole 374-U1523D Core 15R, Interval 259.8-259.86 m (CSF-A)

Cobble-sized gravel.



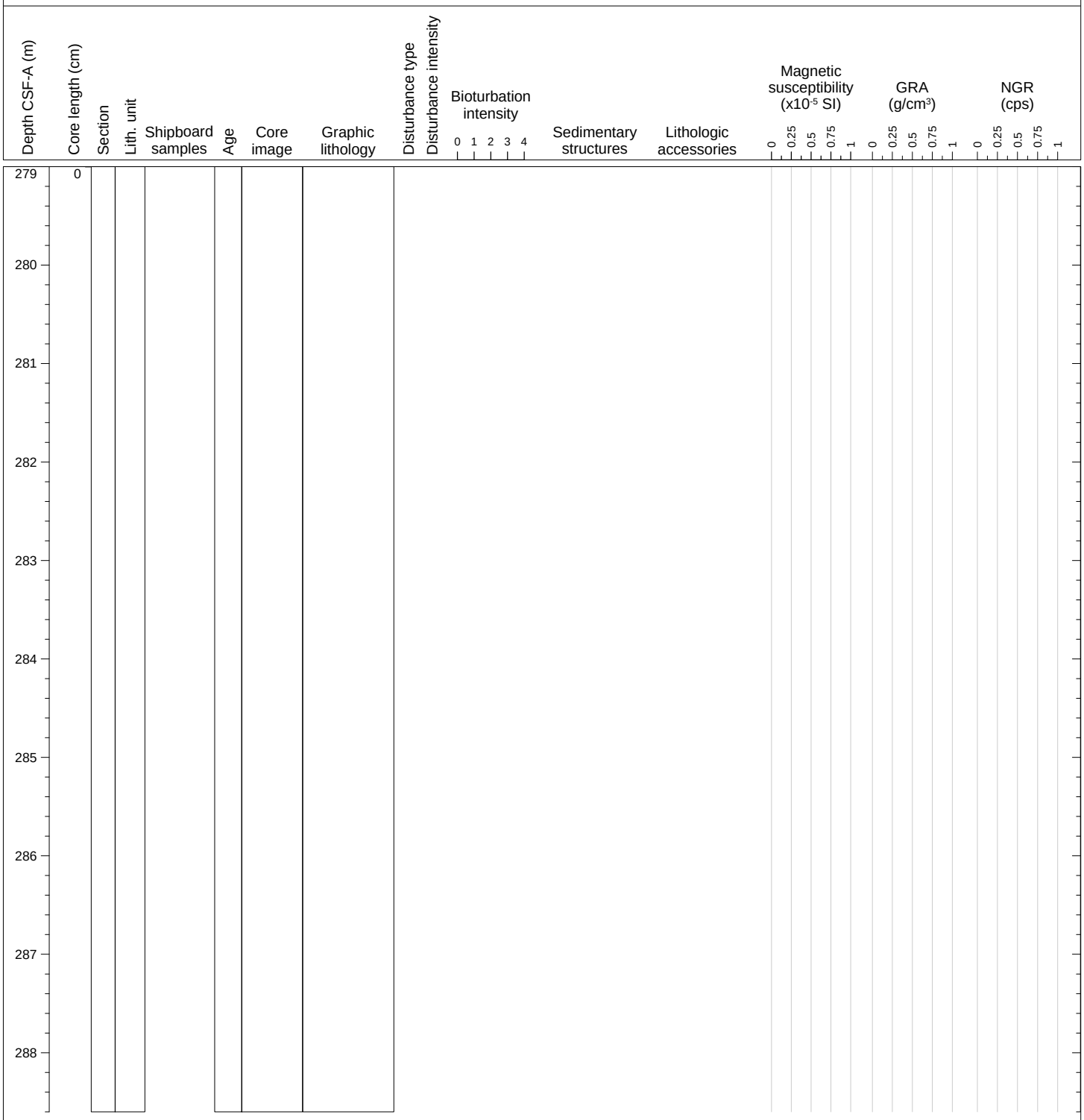
Hole 374-U1523D Core 16R, Interval 269.4-279 m (CSF-A)

NO RECOVERY



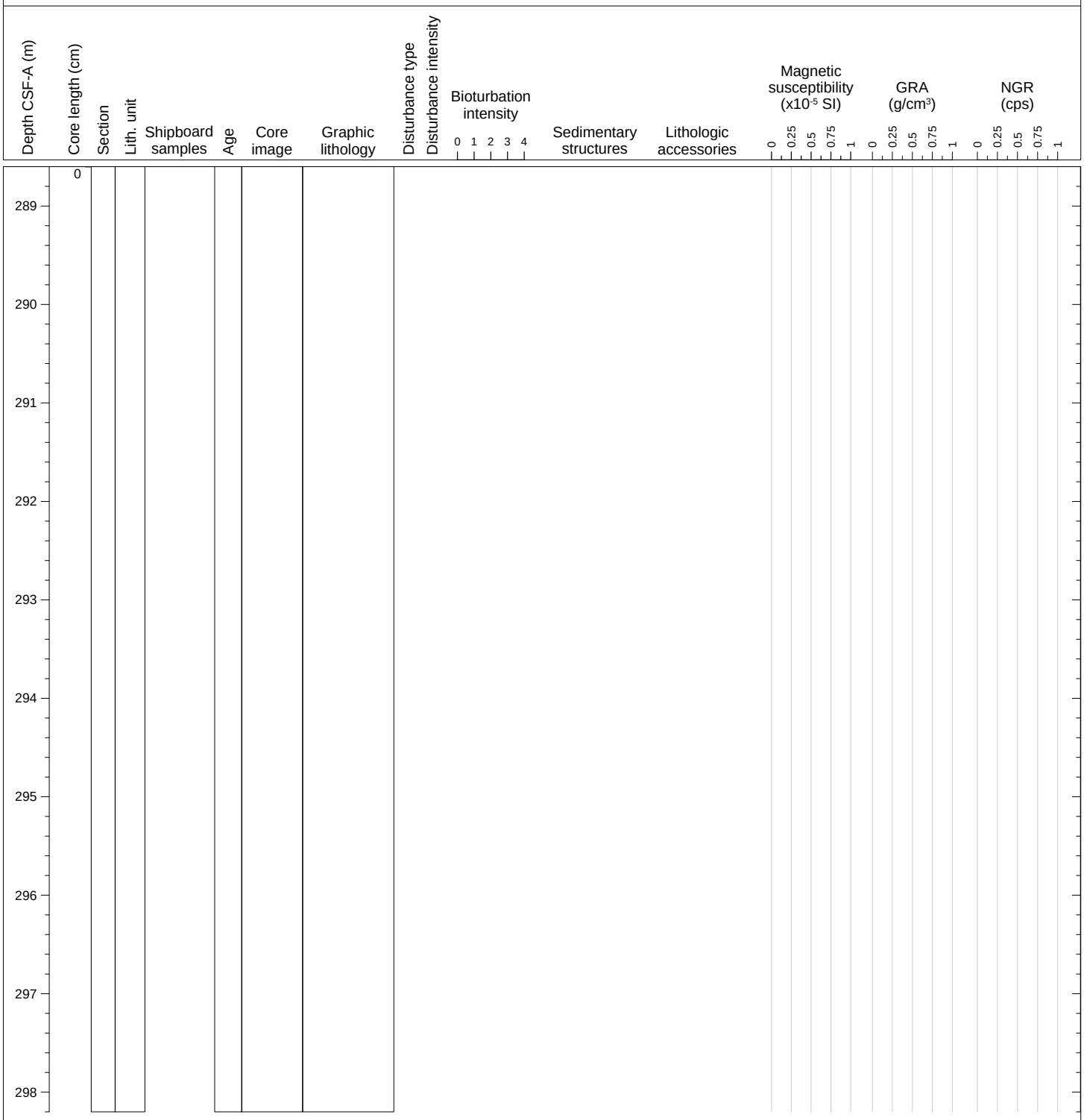
Hole 374-U1523D Core 17R, Interval 279.0-288.6 m (CSF-A)

NO RECOVERY



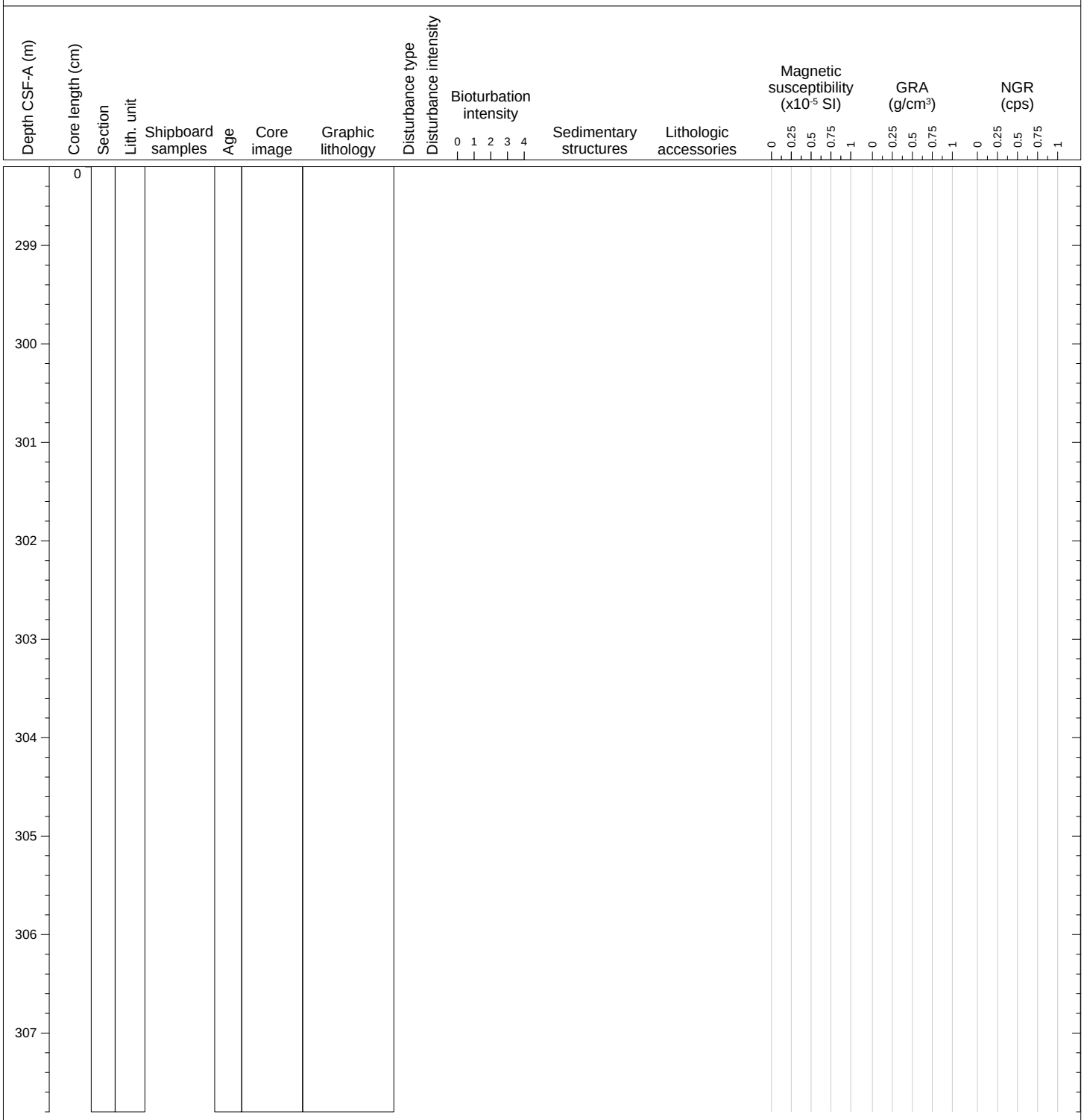
Hole 374-U1523D Core 18R, Interval 288.6-298.2 m (CSF-A)

NO RECOVERY



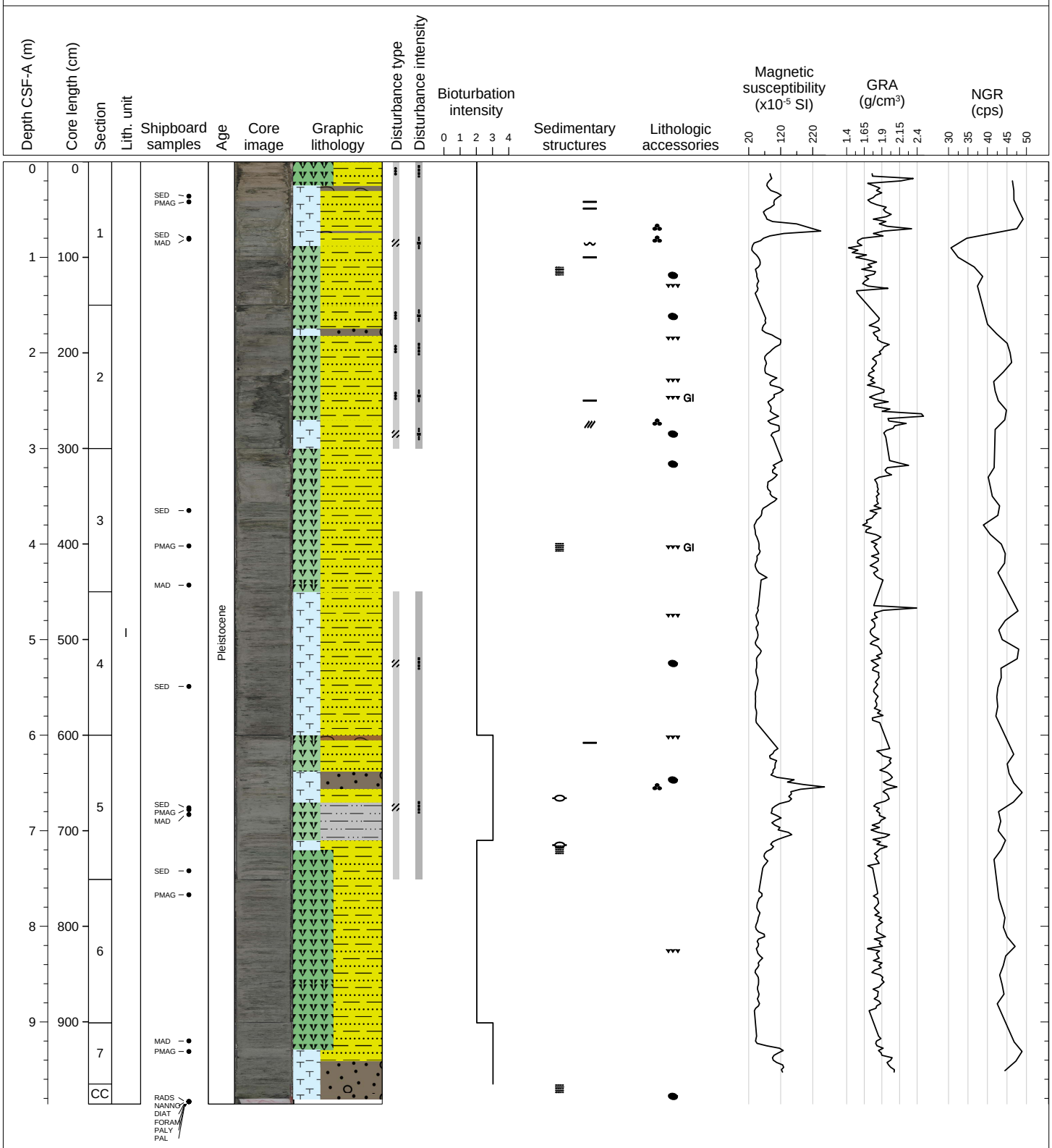
Hole 374-U1523D Core 19R, Interval 298.2-307.8 m (CSF-A)

NO RECOVERY



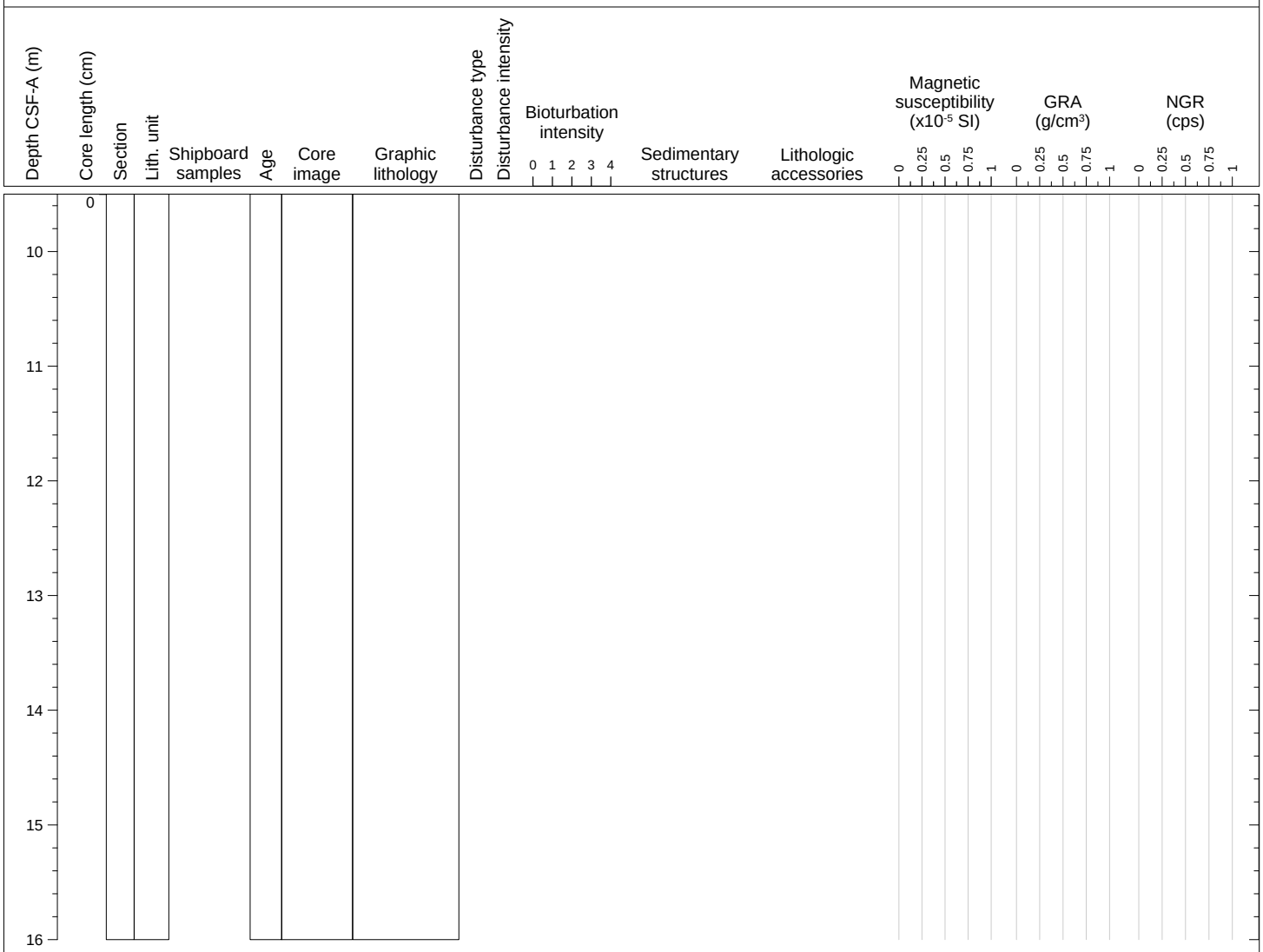
Hole 374-U1523E Core 1H, Interval 0.0-9.86 m (CSF-A)

Massive bioturbated to laminated greenish gray to grayish brown foraminifer-bearing to diatom-bearing interbedded sand and mud with glauconite interbedded at dm-scale with massive bioturbated diatom-bearing/rich interbedded sand and mud. The foraminifer-bearing intervals contain beds of clast-rich sandy diamict with pebble- and cobble-sized clasts (at 24-32 cm in Section 2, 38-56 cm in Section 5, and at 40 cm in Section 7 to 16 cm in Section CC). Contacts are sharp, gradational, or bioturbated. Lithic clasts and mud clasts are observed throughout. Mud clasts are abundant in Section 5 (0–5 cm). An unusual schist clast occurs from 6–12 cm in Section 3. The core is slightly to moderately disturbed. Diatom abundance is rare to common in foraminifer-bearing beds.



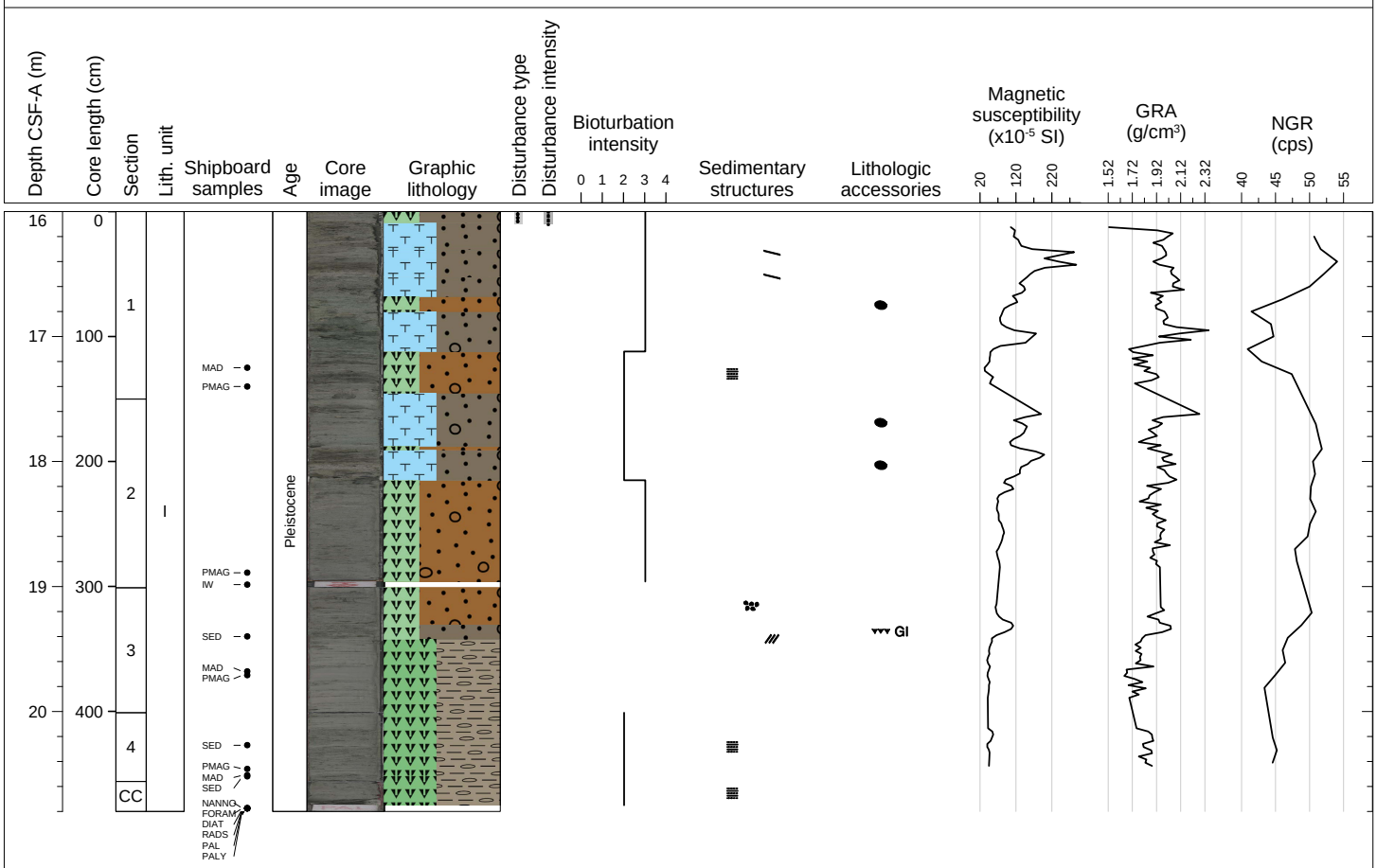
Hole 374-U1523E Core 21, Interval 9.5-16 m (CSF-A)

DRILLED INTERVAL



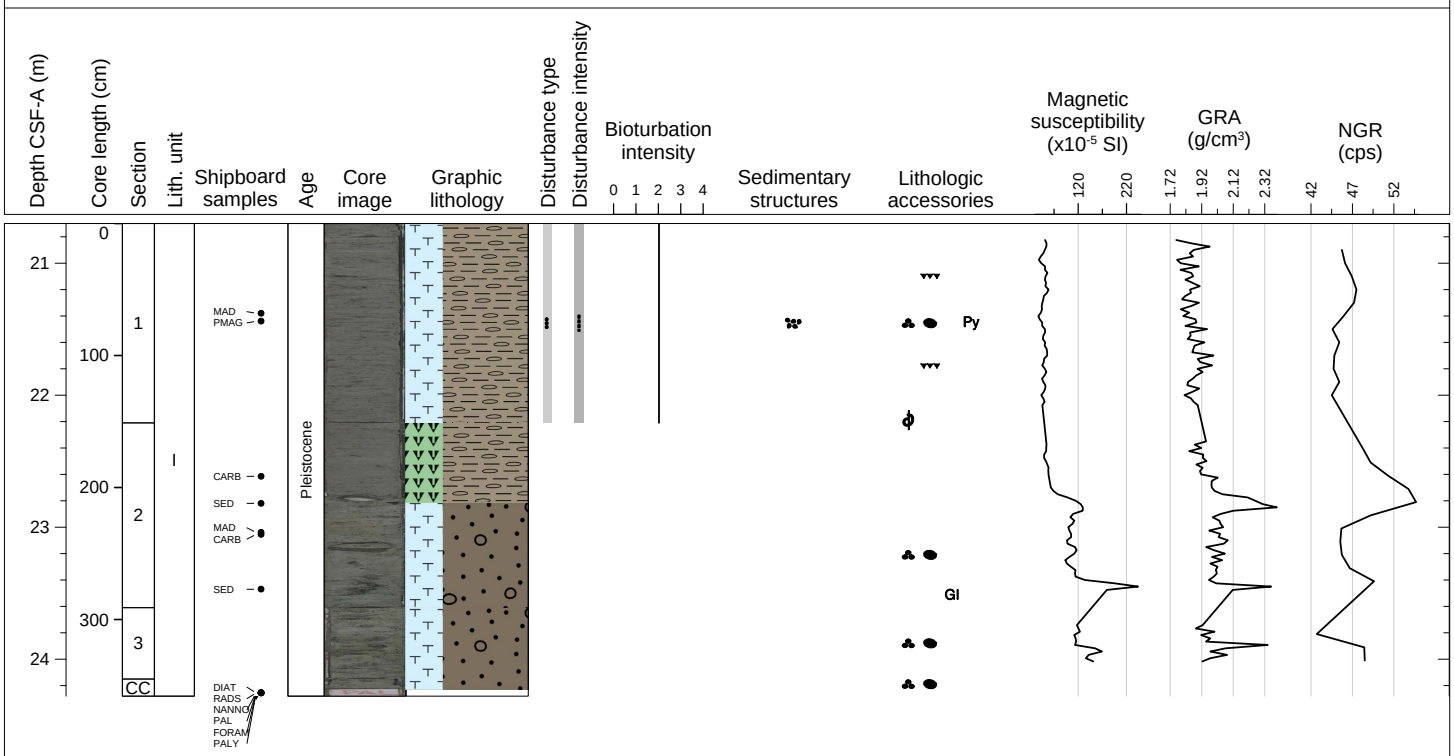
Hole 374-U1523E Core 3F, Interval 16.0-20.8 m (CSF-A)

Massive bioturbated greenish gray foraminifer-rich to daitom-bearing clast-poor sandy to muddy diamict overlying diatom-rich interbedded mud and diamict. Contacts are sharp, gradational, or bioturbated. Lithic clasts, mud clasts, and pyrite staining are present throughout. The core is slightly disturbed. Diatom abundance is rare to common in foraminifer-rich beds.



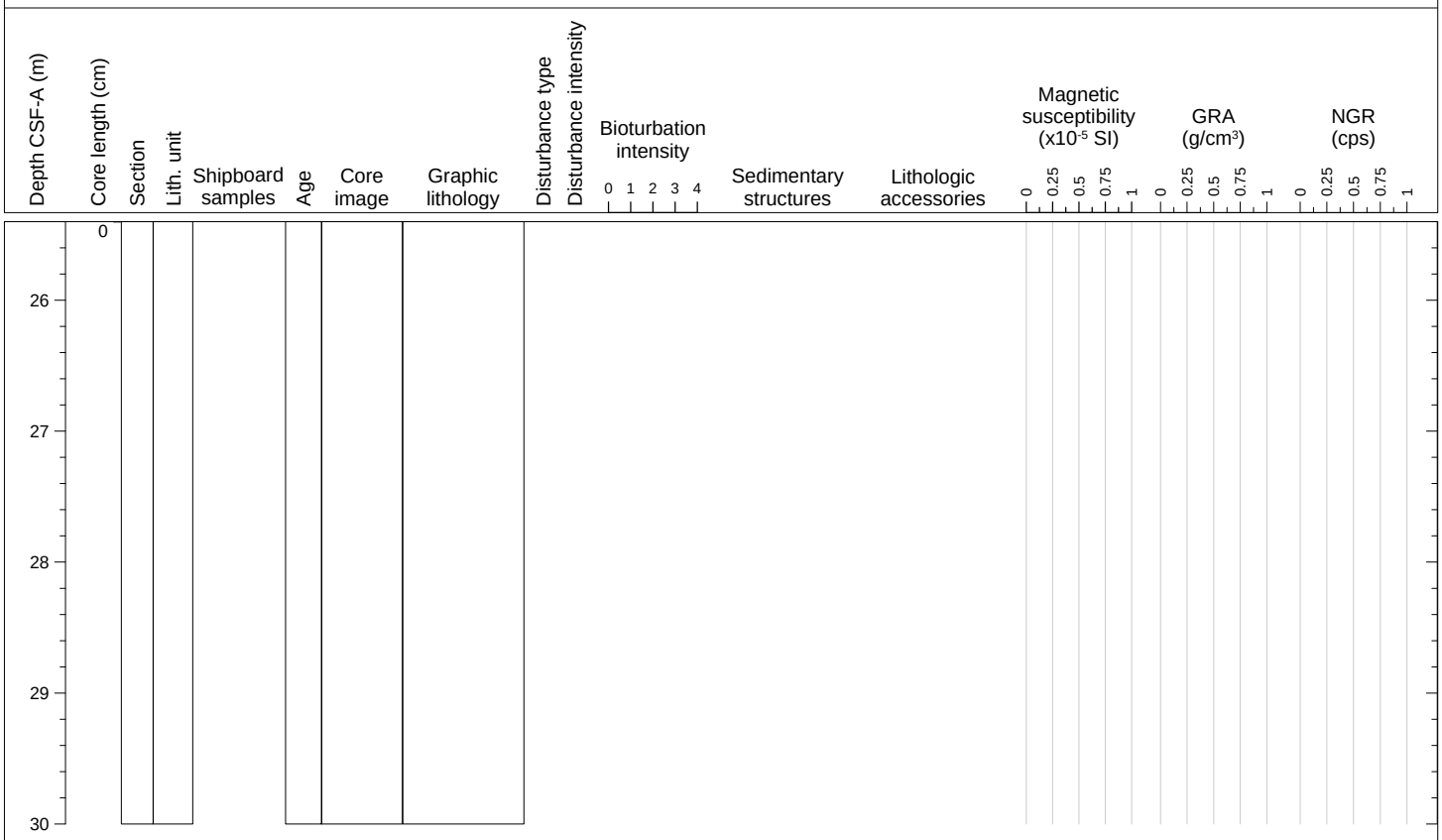
Hole 374-U1523E Core 4F, Interval 20.7-24.28 m (CSF-A)

Massive bioturbated foraminifer-bearing to diatom-bearing interbedded mud and diamict overlying massive bioturbated greenish gray foraminifer-bearing clast-poor sandy diamict. Contacts are sharp, gradational, or bioturbated. Glauconite and pyrite staining are observed throughout. A shell fragment is present at 149 cm in Section 1. A lignite clast is present at 61 cm in Section 2. The core is slightly disturbed. Diatom abundance is rare to common in foraminifer-bearing beds.



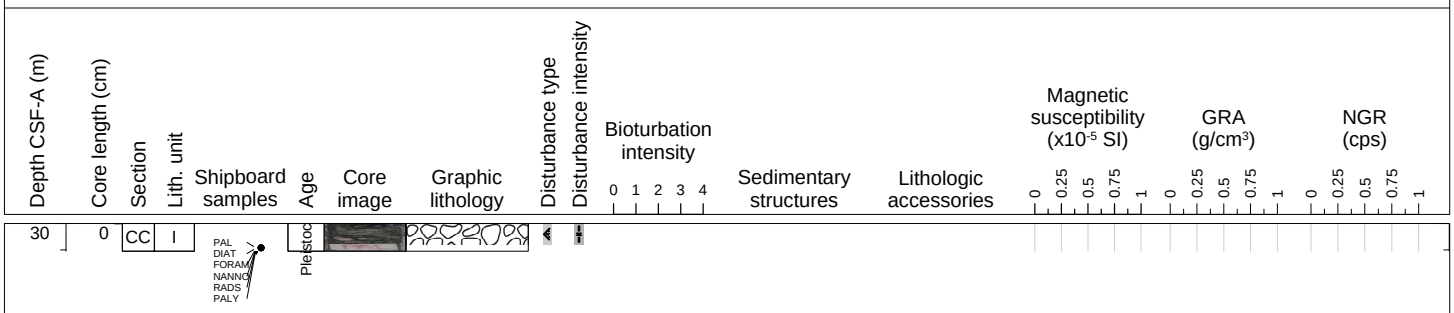
Hole 374-U1523E Core 51, Interval 25.4-30 m (CSF-A)

DRILLED INTERVAL



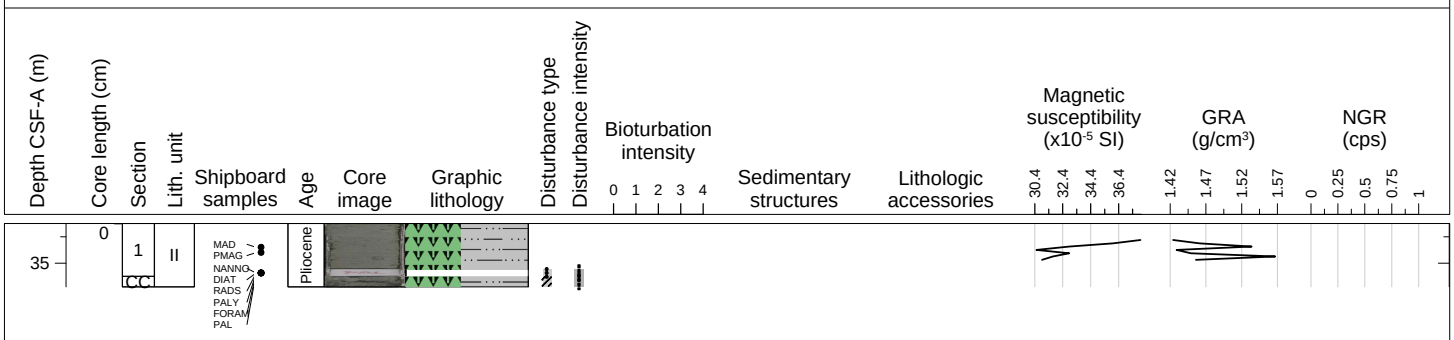
Hole 374-U1523E Core 6F, Interval 30.0-30.21 m (CSF-A)

Pebble-sized gravel.



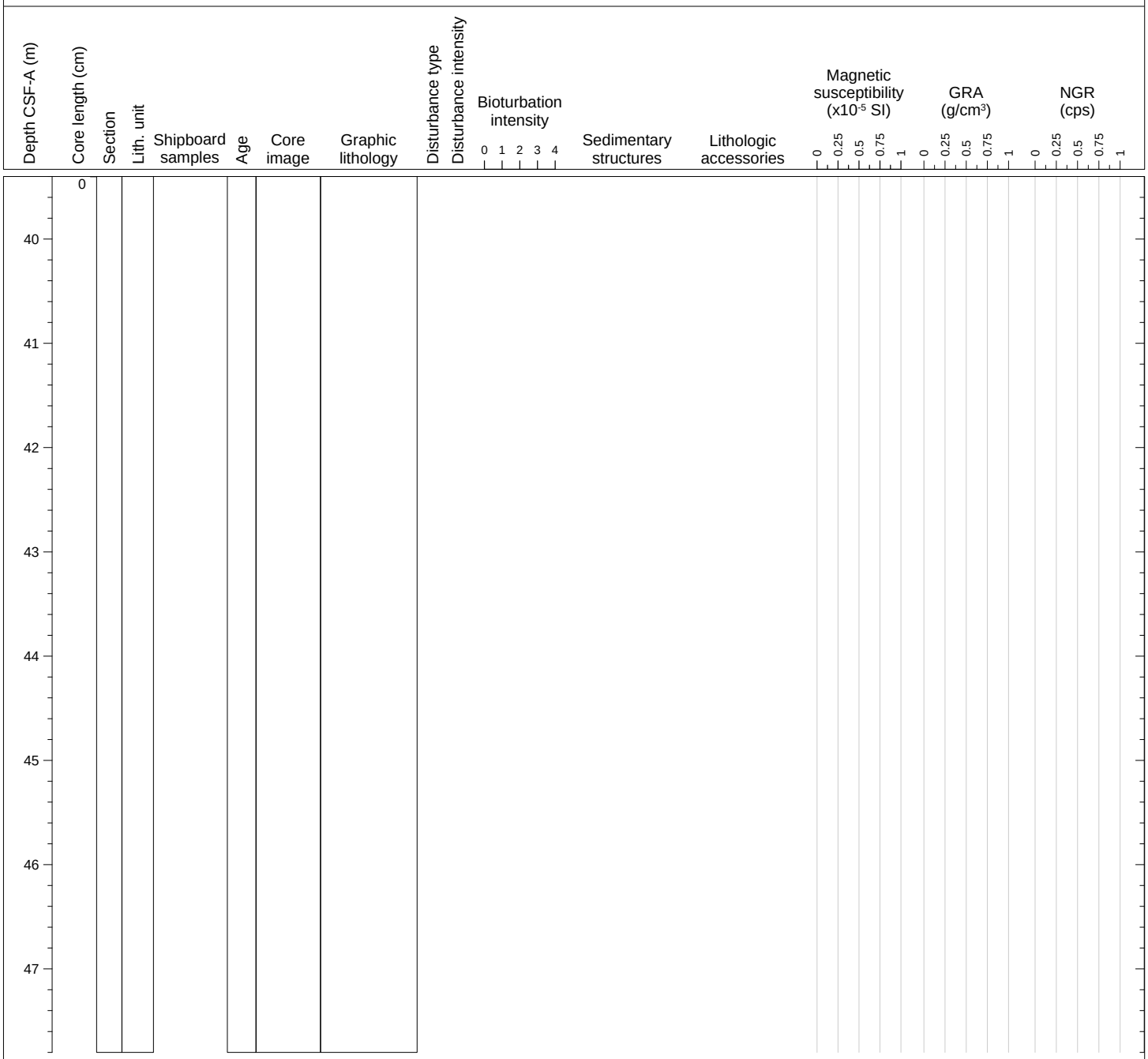
Hole 374-U1523E Core 7F, Interval 34.7-35.18 m (CSF-A)

Massive bioturbated greenish gray diatom-rich mud with dispersed clasts. The core is slightly disturbed.



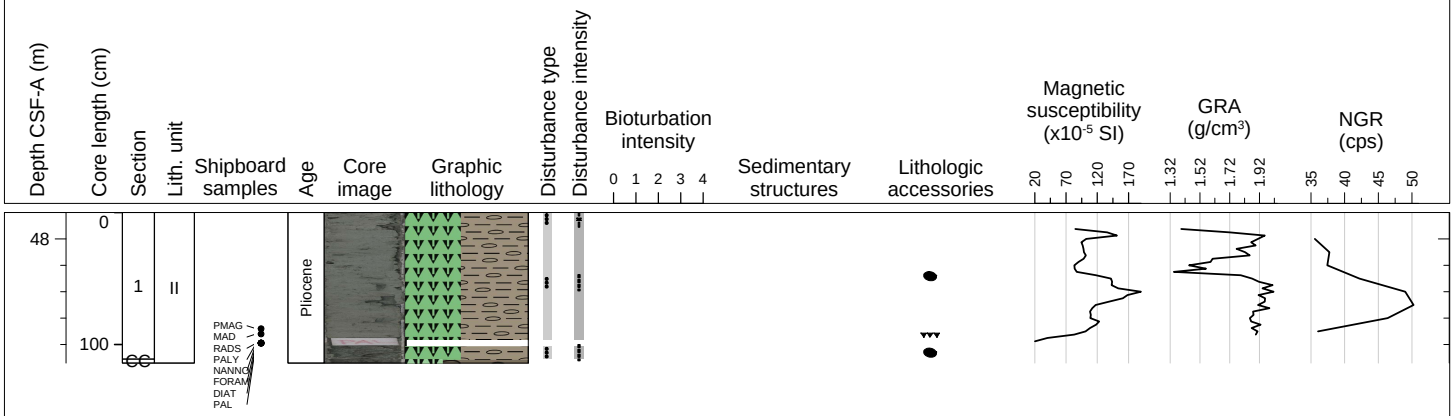
Hole 374-U1523E Core 81, Interval 39.4-47.8 m (CSF-A)

DRILLED INTERVAL



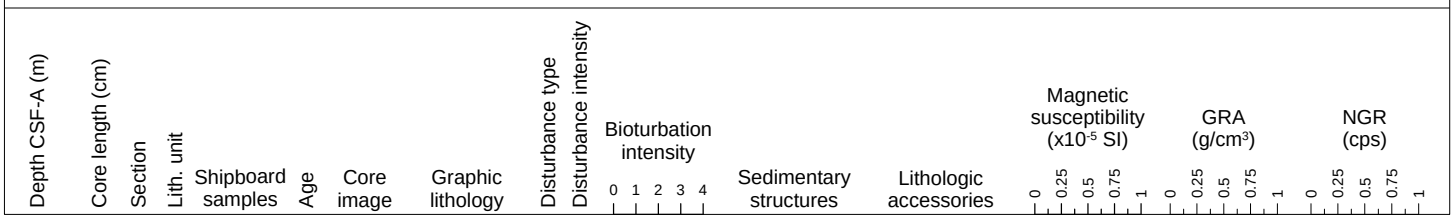
Hole 374-U1523E Core 9F, Interval 47.8-48.94 m (CSF-A)

Massive greenish gray diatom-bearing/rich interbedded mud and diamict. A mud clast is present at 93 cm in Section 1. The core is soupy to moderately disturbed.



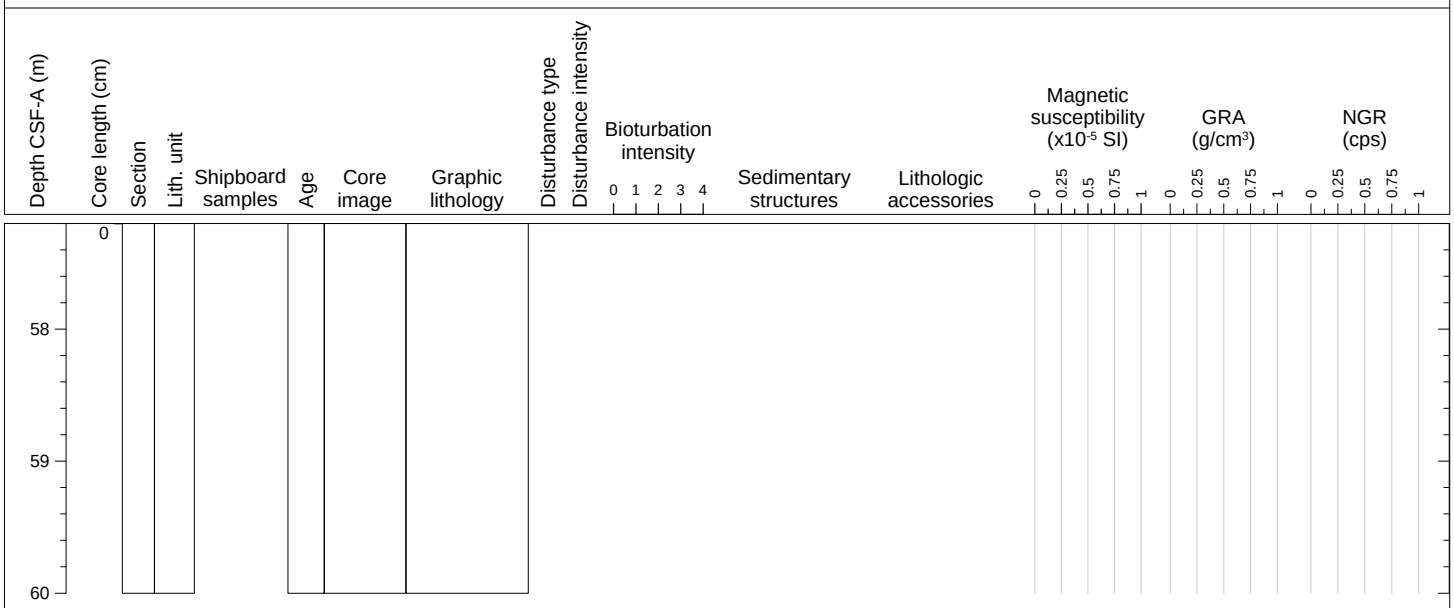
Hole 374-U1523E Core 10F, Interval 52.5-52.55 m (CSF-A)

ALL TO PAL



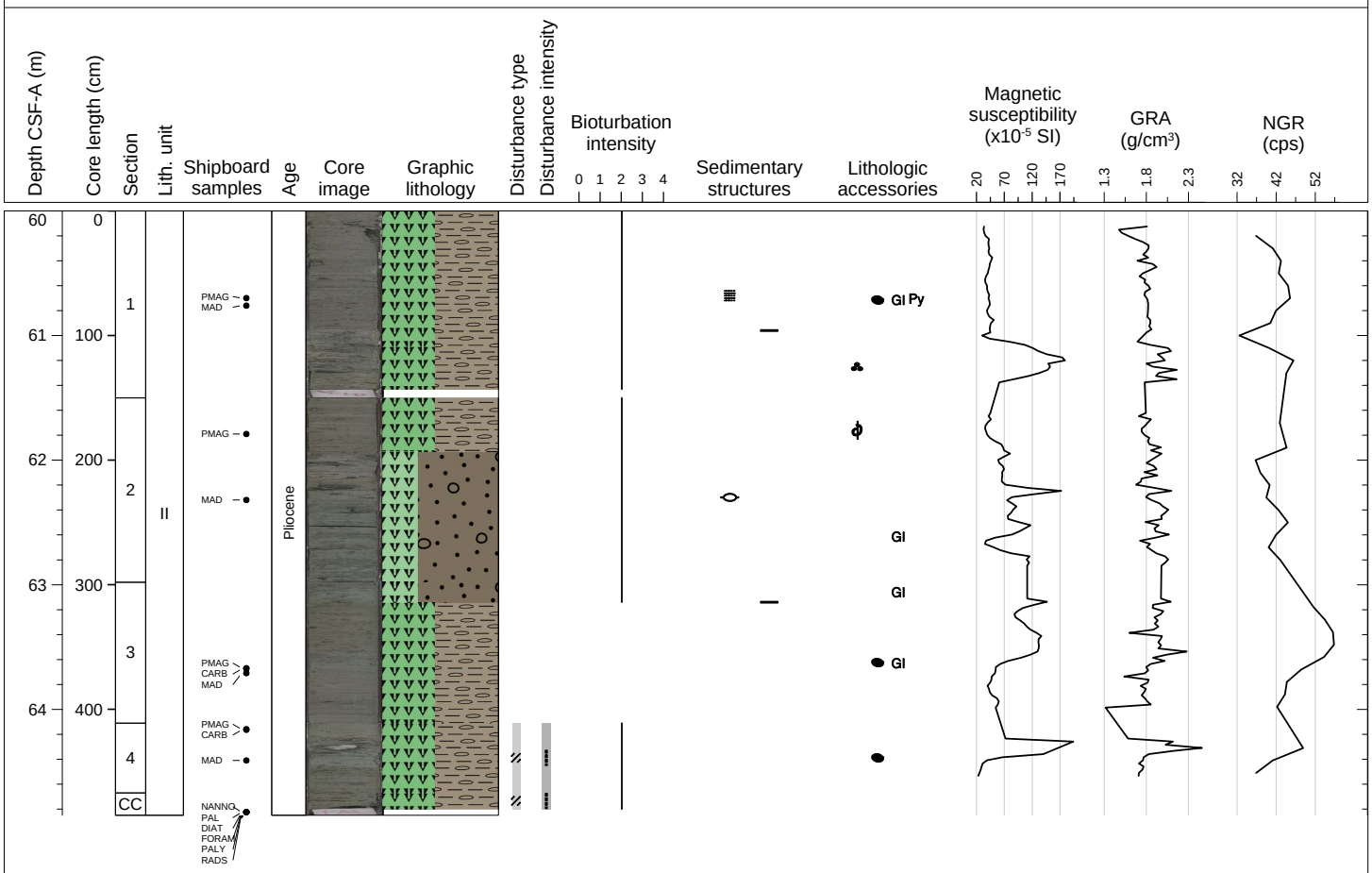
Hole 374-U1523E Core 111, Interval 57.2-60 m (CSF-A)

DRILLED INTERVAL



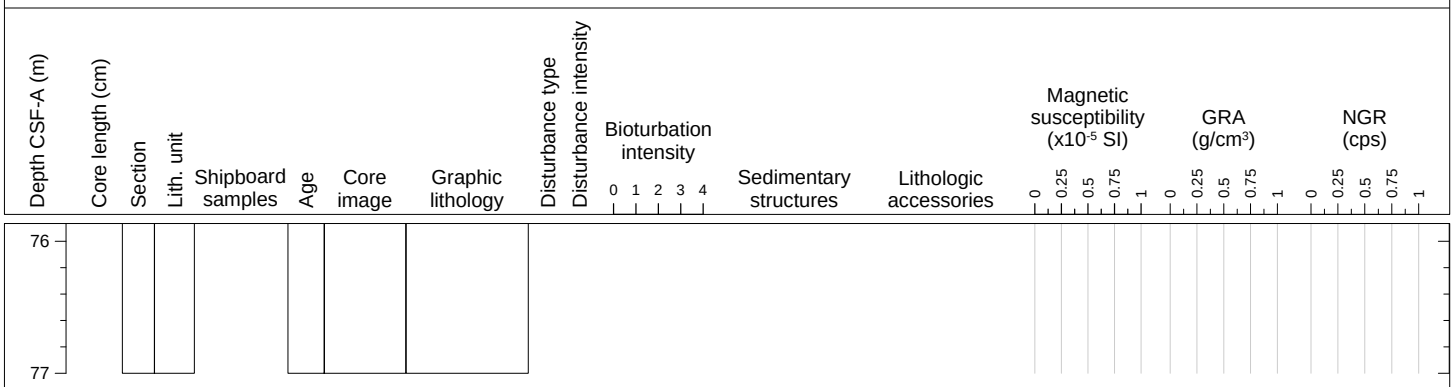
Hole 374-U1523E Core 12F, Interval 60.0-64.85 m (CSF-A)

Massive bioturbated to laminated olive gray diatom-rich interbeded mud and diamict with an interbed of greenish gray clast-poor sandy diamict. Contacts are sharp to bioturbated. Pyrite staining and glauconite is observed throughout, but glauconite is focused in sand. A shell fragment is present at 26 cm in Section 2. The core is slightly disturbed.



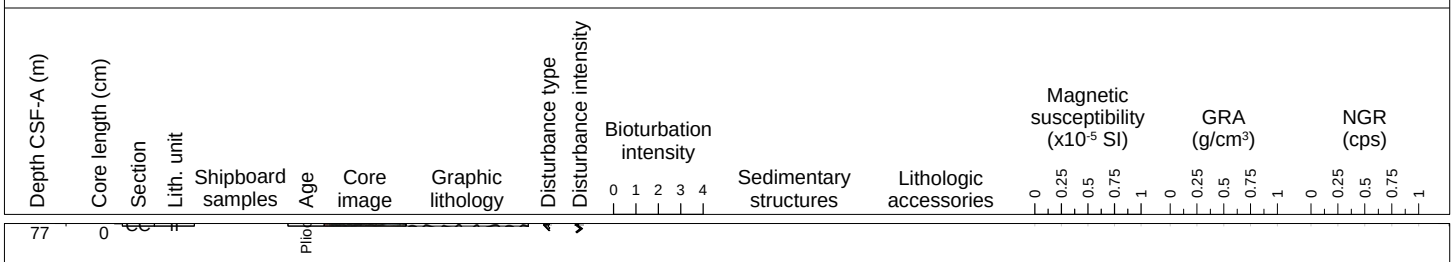
Hole 374-U1523E Core 131, Interval 64.7-77 m (CSF-A)

DRILLED INTERVAL



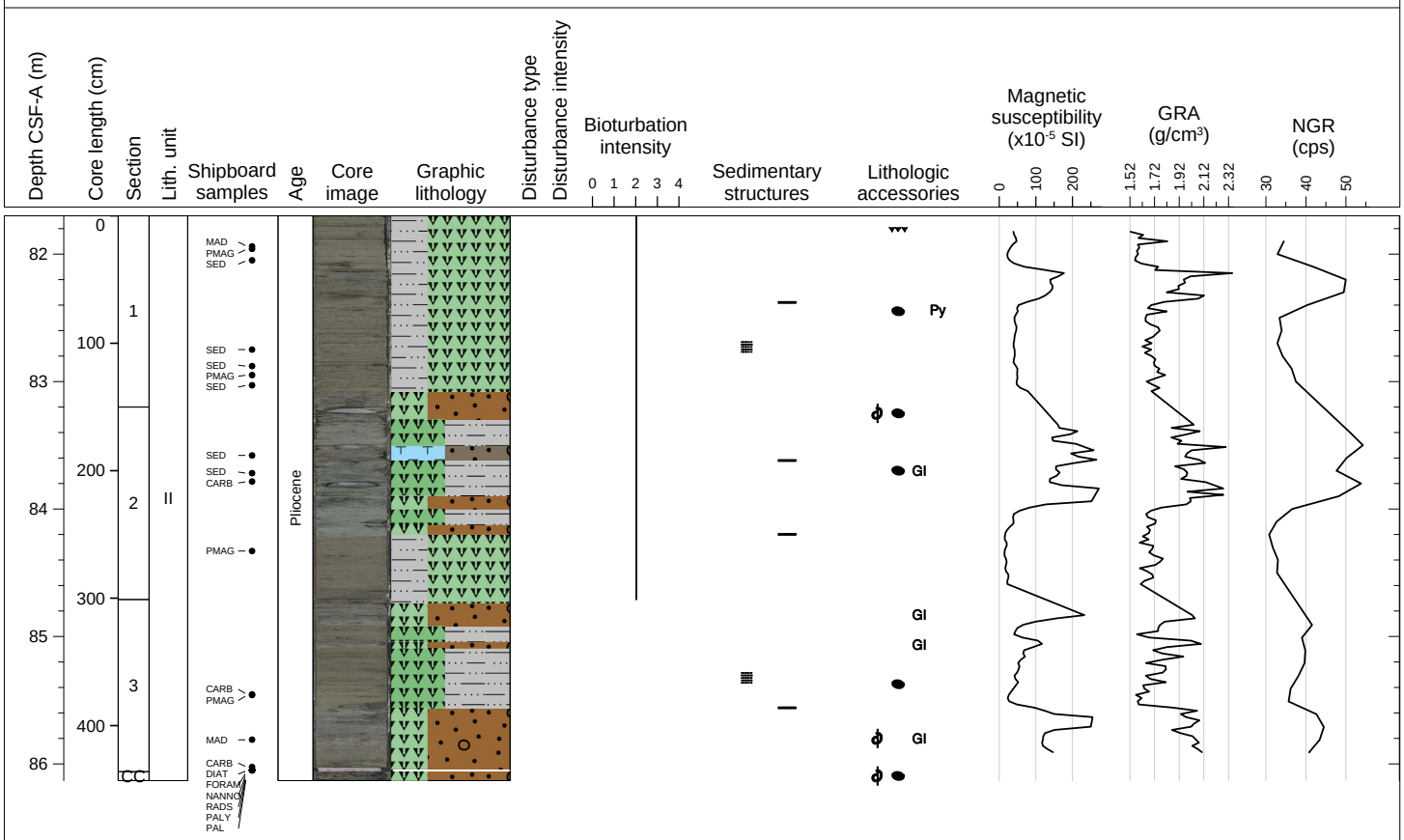
Hole 374-U1523E Core 14F, Interval 77.0-77.02 m (CSF-A)

Pebble-sized gravel.



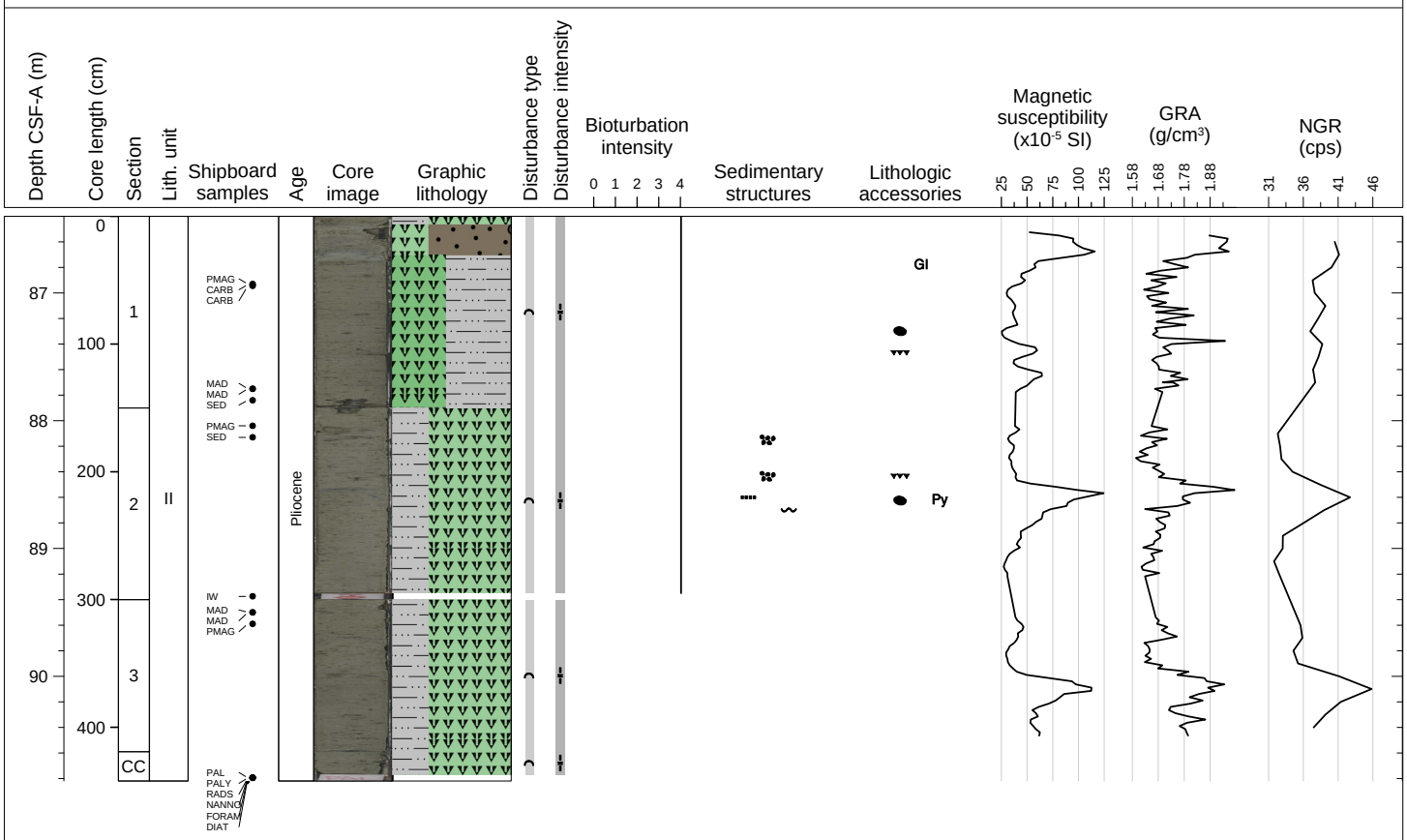
Hole 374-U1523E Core 15F, Interval 81.7-86.13 m (CSF-A)

Massive bioturbated to laminated olive gray diatom-rich mud to muddy diatom ooze interbedded at cm- to dm-scale with massive bioturbated greenish gray diatom-bearing to foraminifer-bearing clast-poor sandy to muddy diamict. Contacts are sharp to bioturbated. Pyrite staining and glauconite is observed throughout, but glauconite is focused in sand. Shell fragments present in Section 2 (9–16 cm) and Section 3 (112–133 cm). The core is slightly disturbed. Diatom abundance is rare to common in foraminifer-bearing beds.



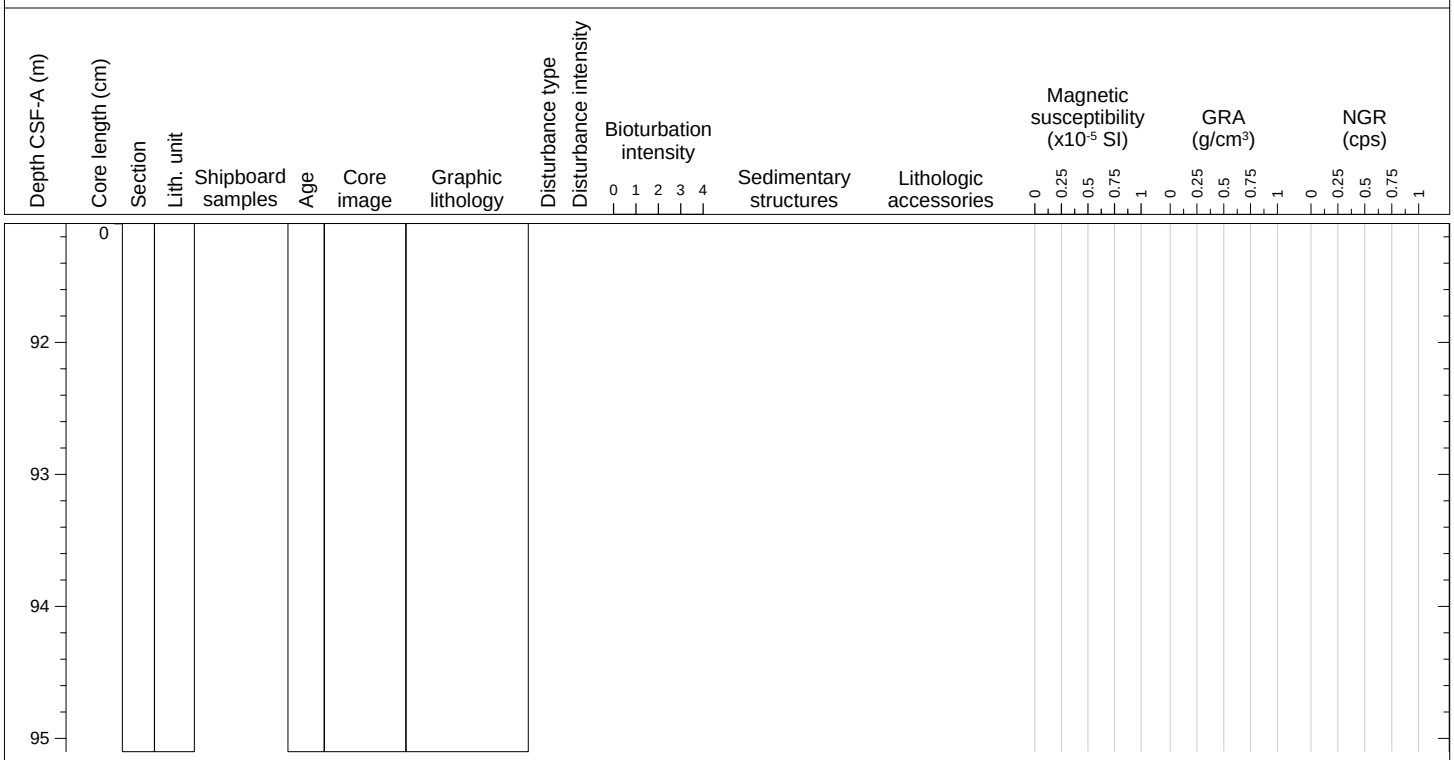
Hole 374-U1523E Core 16F, Interval 86.4-90.82 m (CSF-A)

Massive bioturbated to laminated olive gray diatom ooze with an interbed of massive bioturbated diatom-bearing clast-poor sandy diamict. Pyrite staining and mud clasts are observed throughout. The core is moderately disturbed.



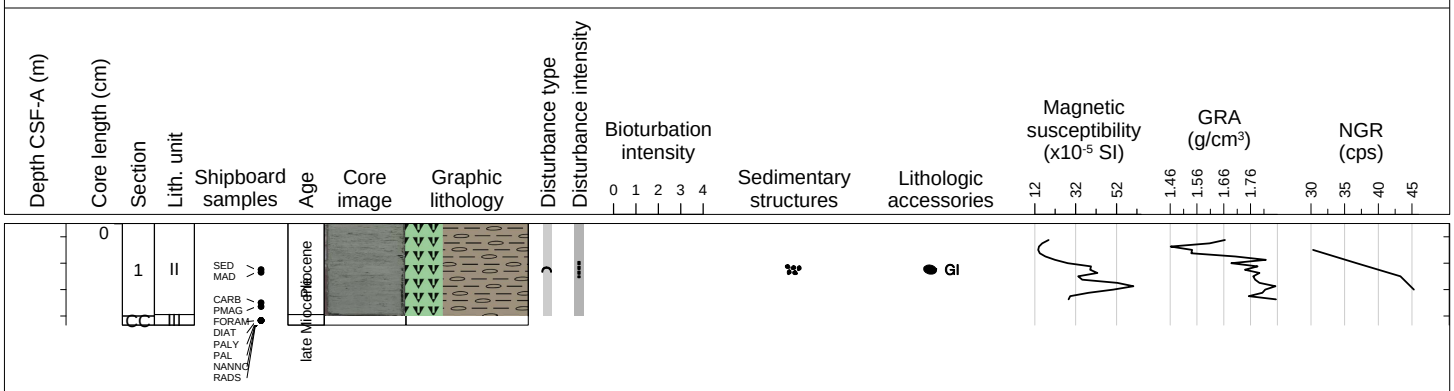
Hole 374-U1523E Core 171, Interval 91.1-95.1 m (CSF-A)

DRILLED INTERVAL



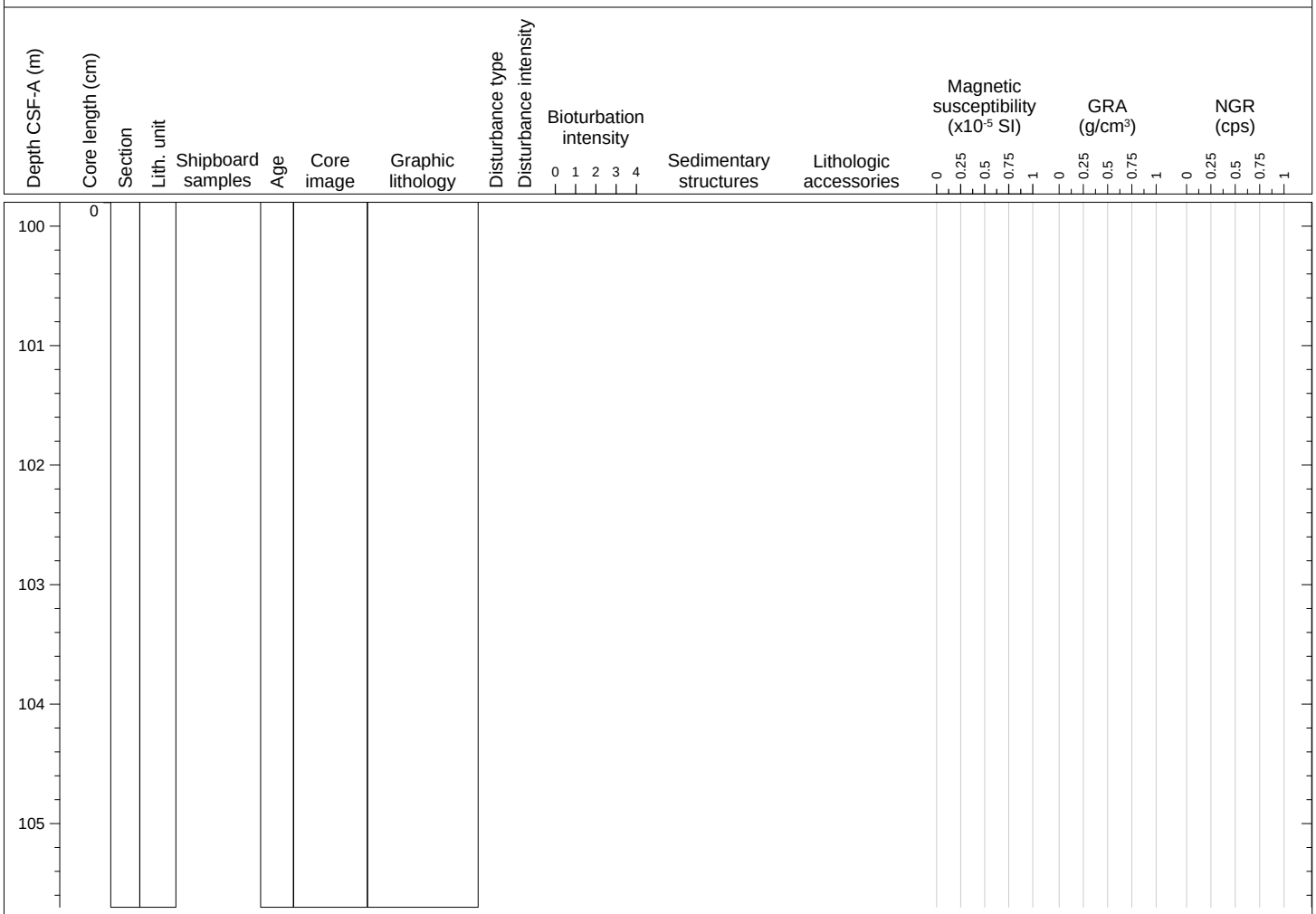
Hole 374-U1523E Core 18F, Interval 95.1-95.87 m (CSF-A)

Massive bioturbated pale green diatom-bearing interbedded mud and diamict. Sand stringers and mottling is common. Glauconite occurs throughout. The core is slightly disturbed.



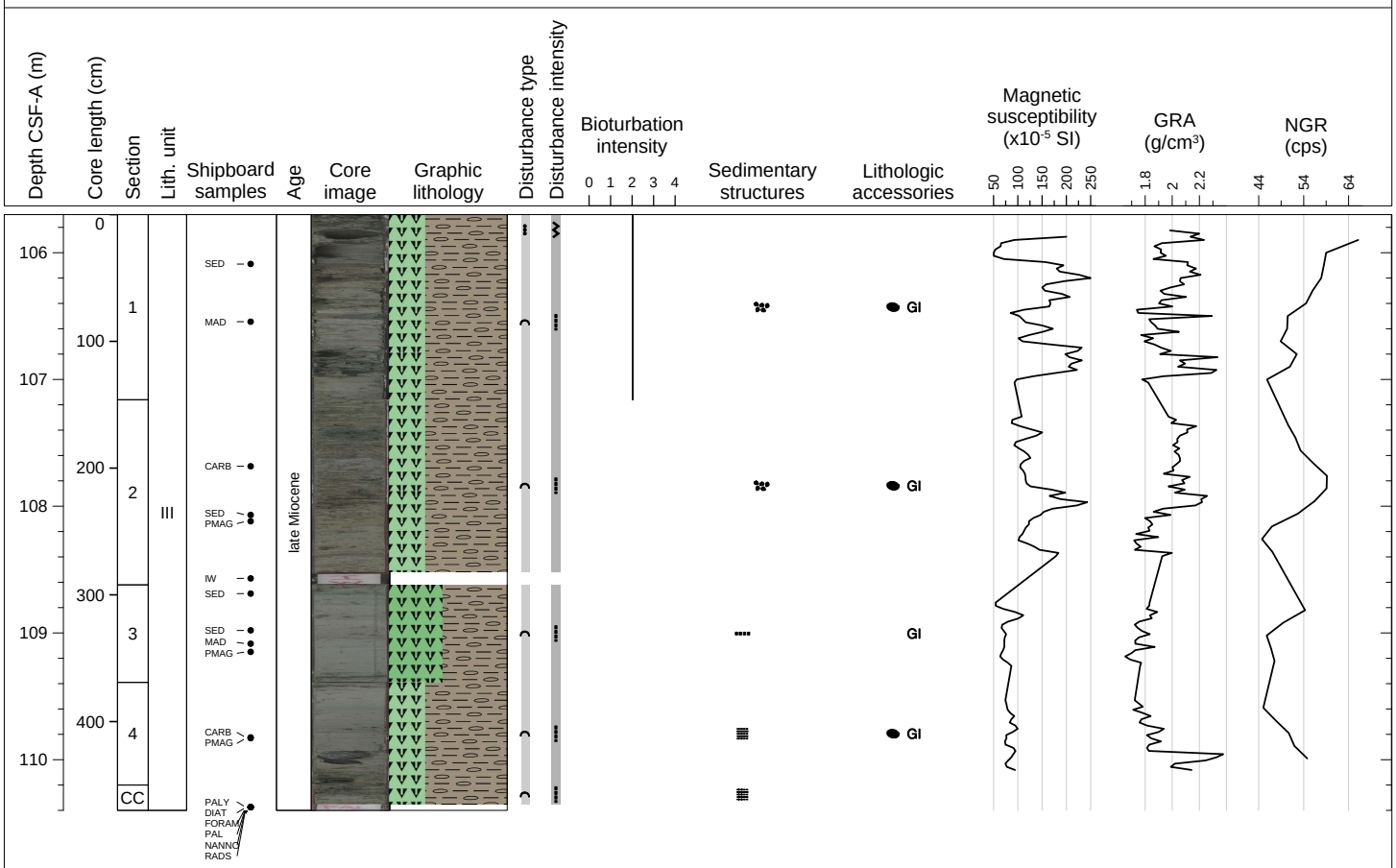
Hole 374-U1523E Core 191, Interval 99.8-105.7 m (CSF-A)

DRILLED INTERVAL



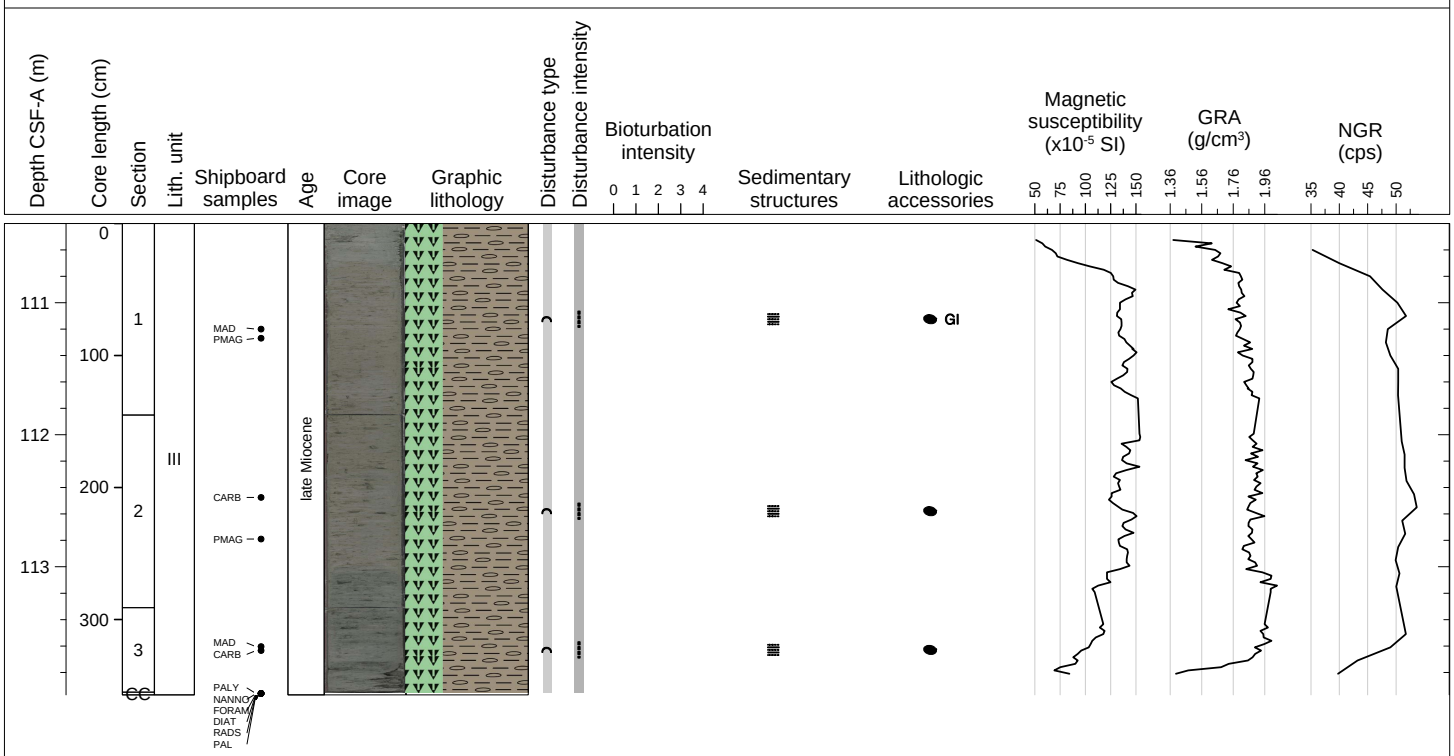
Hole 374-U1523E Core 20F, Interval 105.7-110.4 m (CSF-A)

Massive bioturbated gray diatom-bearing interbedded mud and diamict. Contacts are sharp and planar to inclined. Laminae occur as texture and color changes with pyrite staining common. Glauconite occurs throughout. The core is slightly to moderately disturbed in places (Section 1).



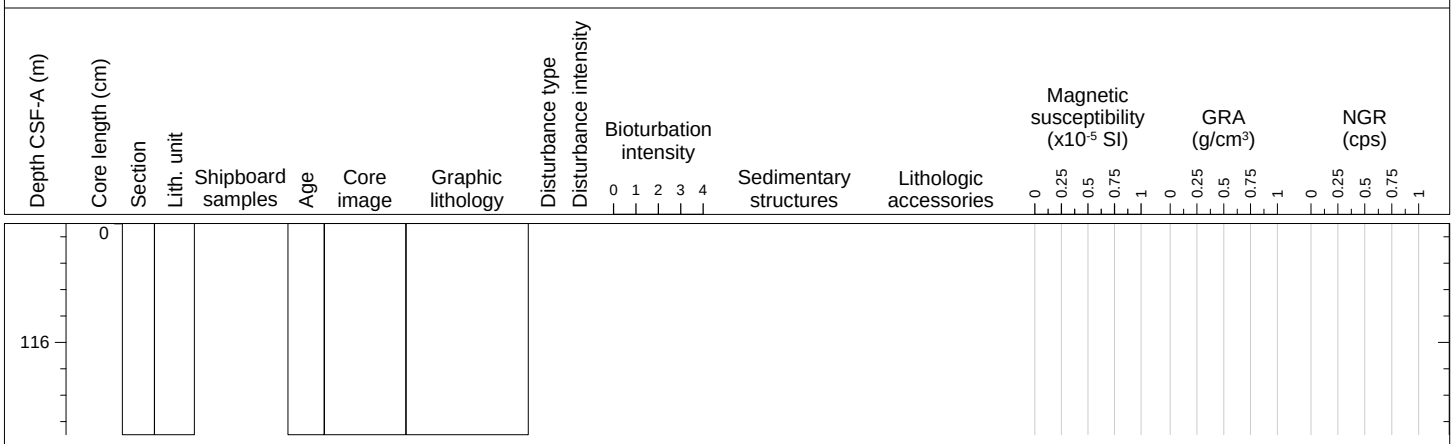
Hole 374-U1523E Core 21F, Interval 110.4-113.97 m (CSF-A)

Massive bioturbated greenish gray to dark greenish gray diatom-bearing interbedded mud and diamict. Contacts are bioturbated and are sharp to gradational. Mottling occurs throughout. The core is slightly disturbed with bowed contacts to moderately disturbed at the base of Section 3.



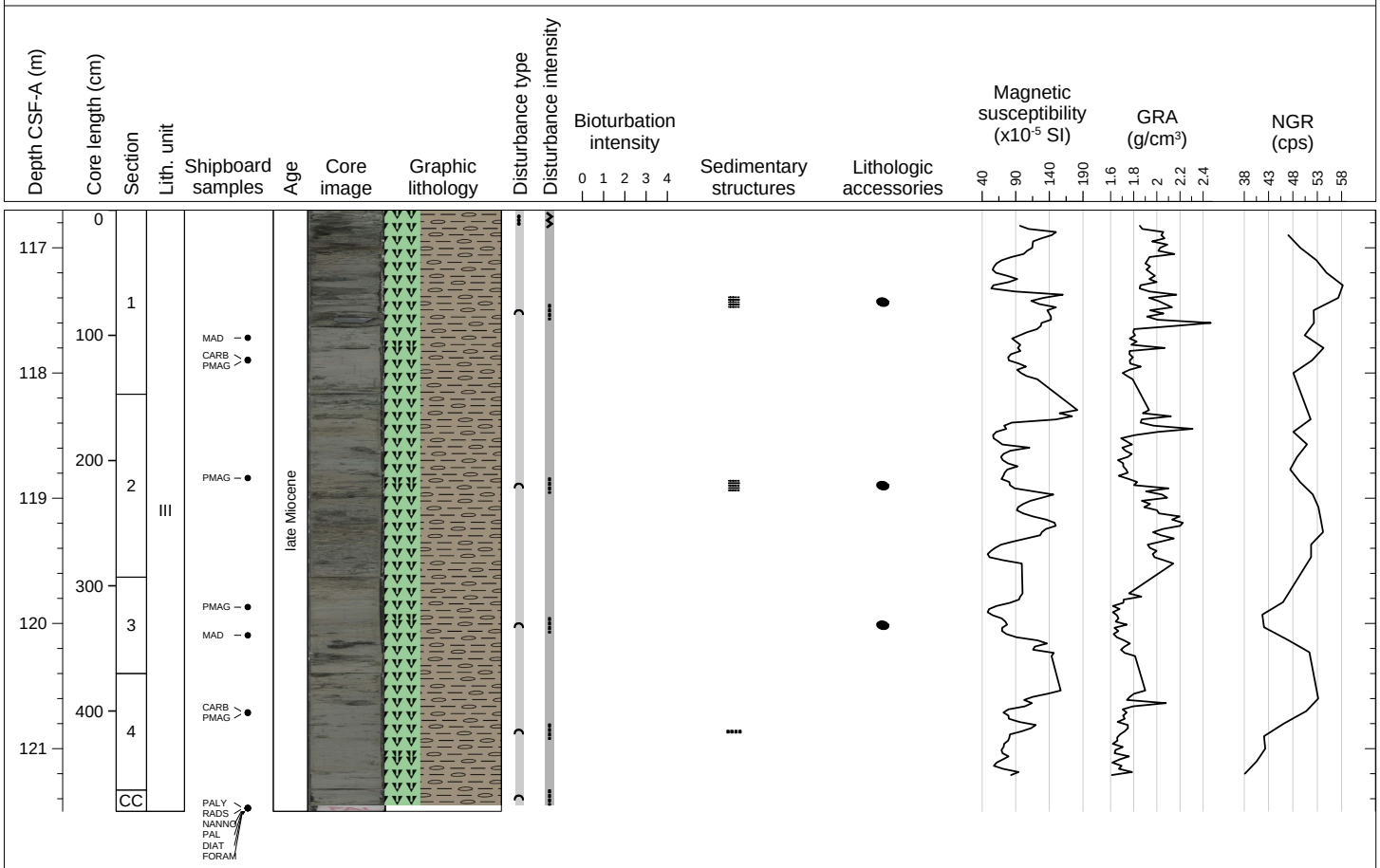
Hole 374-U1523E Core 221, Interval 115.1-116.7 m (CSF-A)

DRILLED INTERVAL



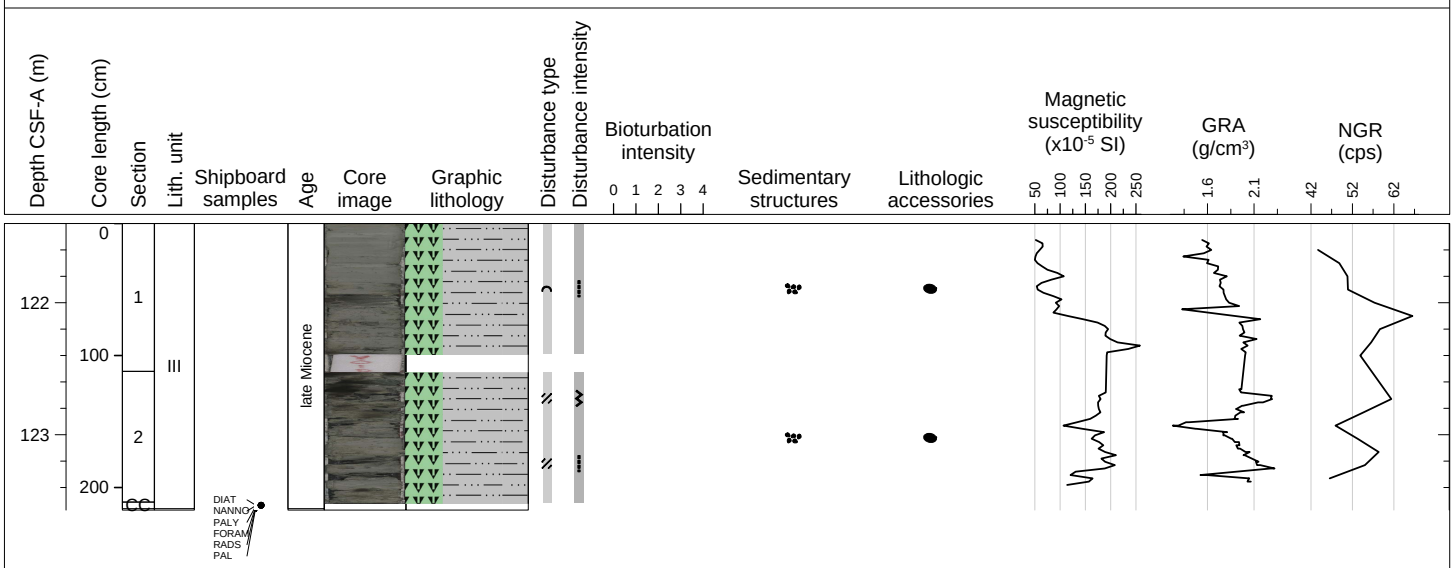
Hole 374-U1523E Core 23F, Interval 116.7-121.5 m (CSF-A)

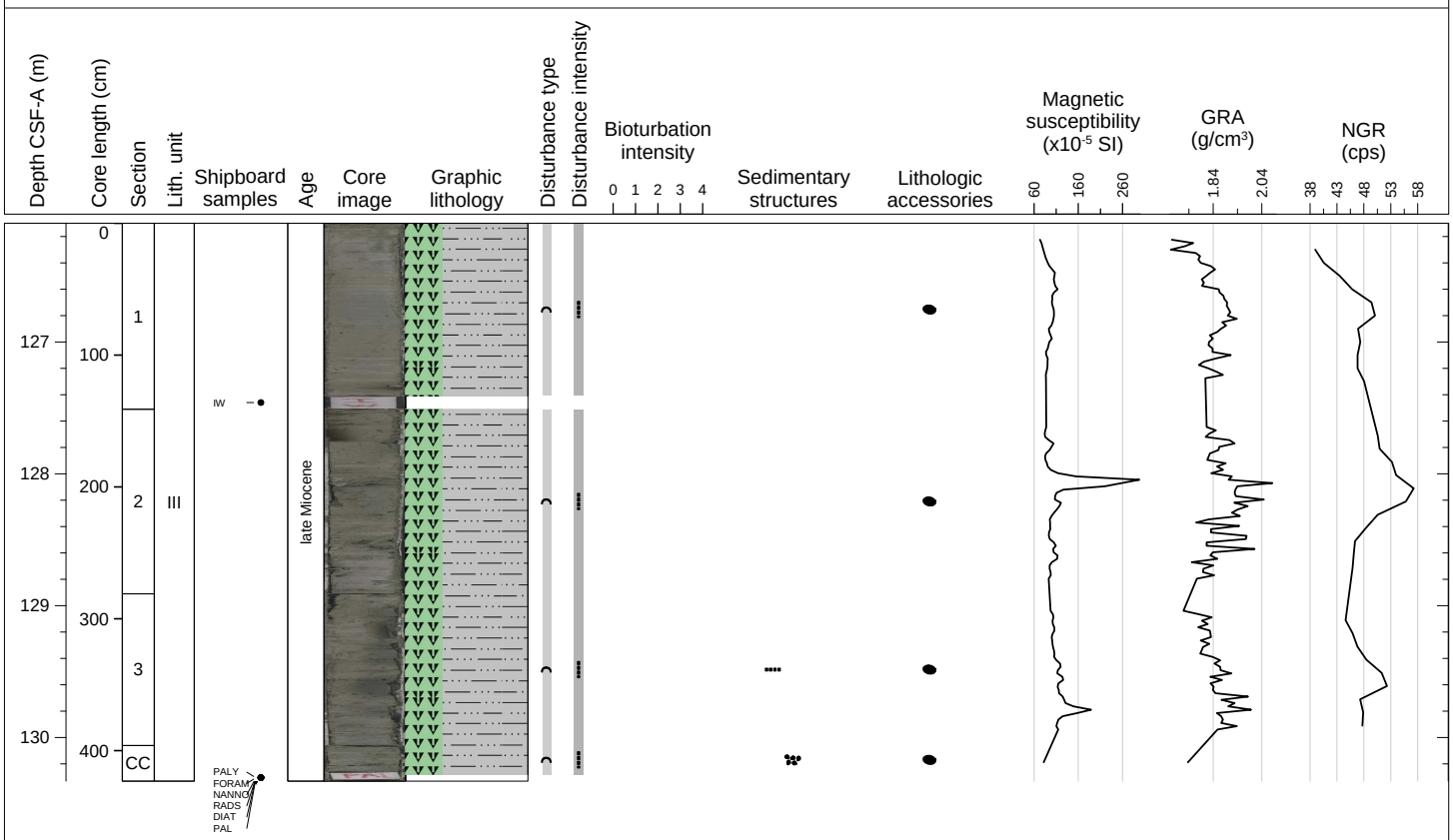
Massive to laminated dark greenish gray diatom-bearing interbedded mud anddiamict. Contacts are gradational and mottled. Mottling and glauconite occurs throughout and is most obvious in sandy beds. A patch of lignite occurs in Section 3 at 49–57 cm. The core is slightly to moderately disturbed. Sandy beds are the most disturbed.



Hole 374-U1523E Core 24F, Interval 121.4-123.56 m (CSF-A)

Massive to laminated dark greenish gray diatom-bearing mud with dispersed clasts. Section 1 is slightly disturbed, whereas Section 2 is moderately disturbed with pyrite staining throughout. A glauconite pellet occurs at 49 cm in Section 1 and there is a cluster of pebble- to cobble-sized clasts from 54–62 cm in Section 1.



Hole 374-U1523E Core 25F, Interval 126.1-130.33 m (CSF-A)

Massive dark greenish gray diatom-bearing mud with dispersed clasts. Mottling occurs throughout and pyrite staining occurs at the base of Section 1. The core is slightly disturbed in Section 1 and moderately disturbed in Sections 2–3.