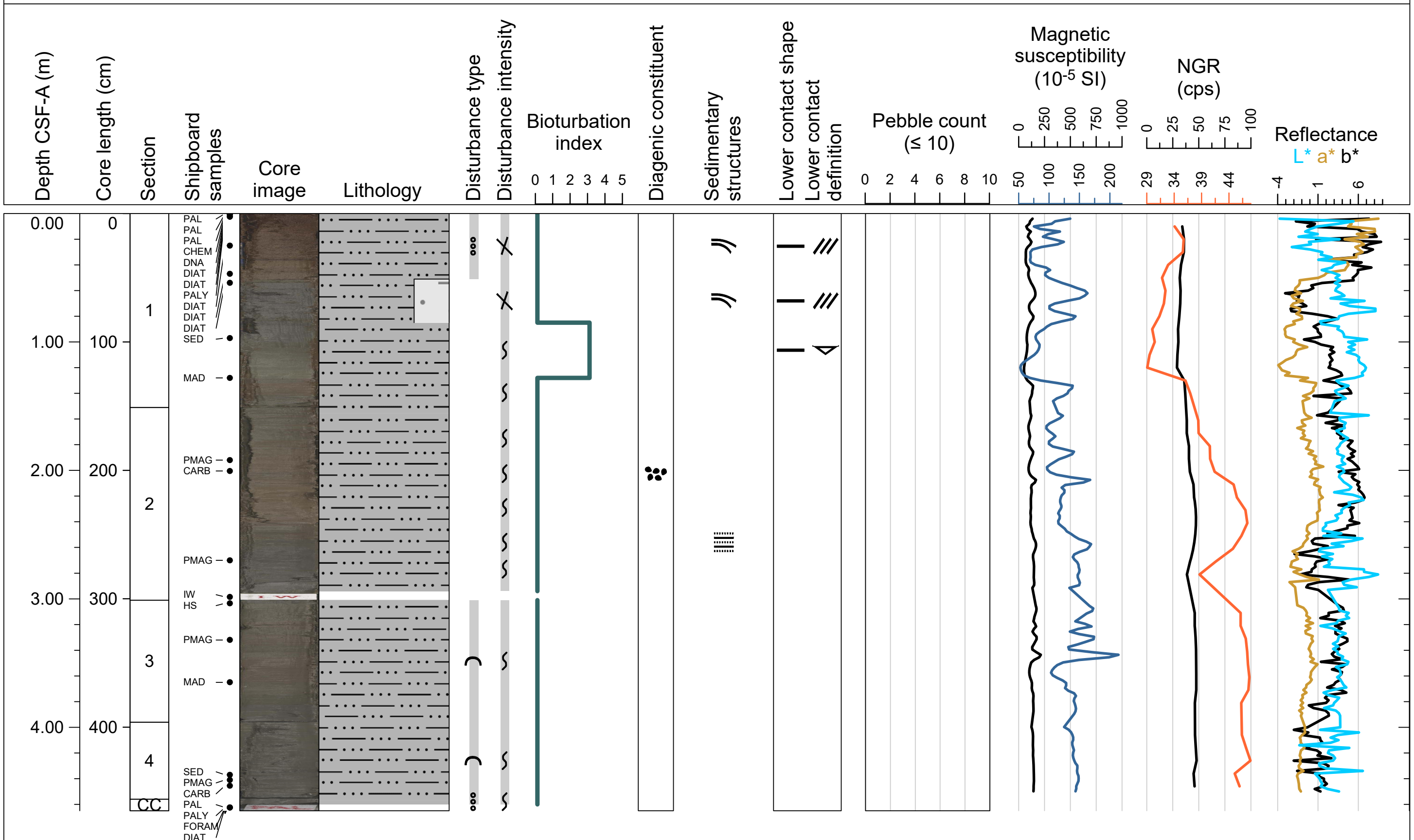
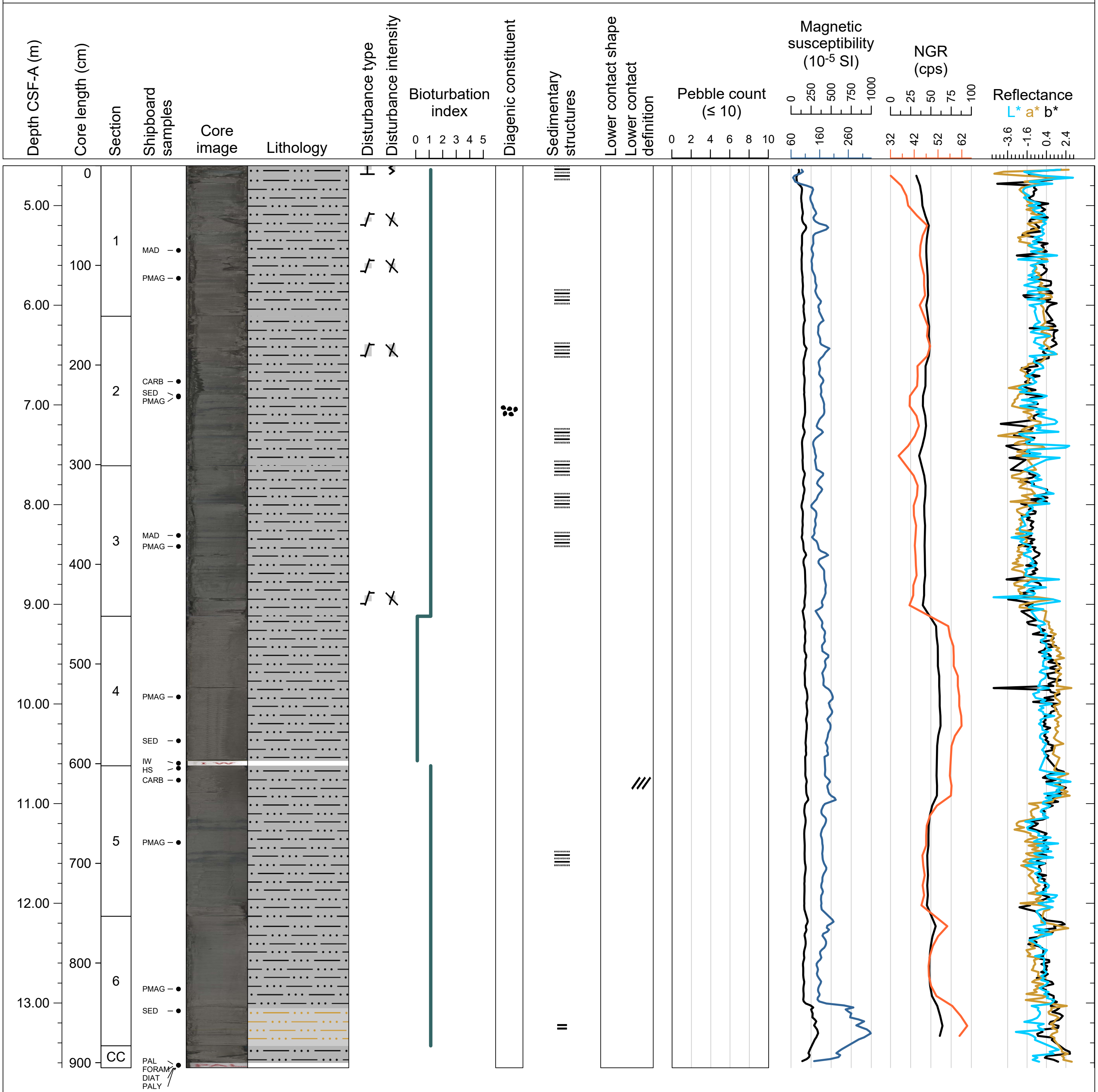
Hole 400-U1603A Core 1H, Interval 0.0-4.65 m (CSF-A)

Dark greyish brown to very dark grey laminated mud with an interbed of greenish grey sandy mud with dispersed clasts in Section 1, and localized moderate bioturbation, mottling and color banding. Slight to moderate drilling disturbance with up-arching throughout and soupy intervals in Section 1.



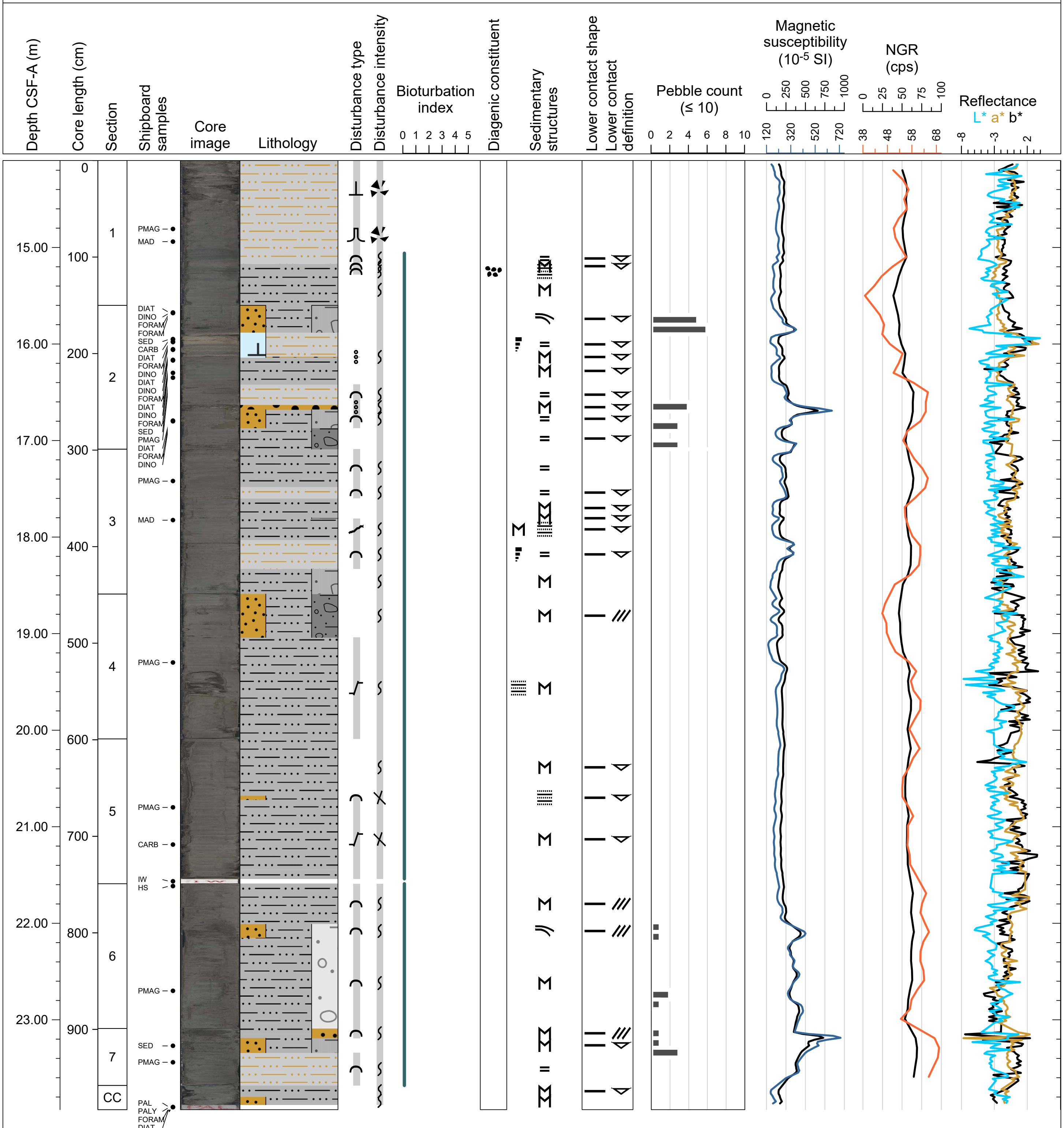
Hole 400-U1603A Core 2H, Interval 4.6-13.65 m (CSF-A)

Greyish medium-brown mud with intervals of dark gray mud. The dark gray mud typically includes diffuse bands (and sometimes irregular patches) of very dark gray material. Faint laminations are present in much of the core. The bottom of Section 6 consists of interlaminated very fine sand (<1 cm thick) and mud. The core had no to sparse bioturbation. Drilling disturbance ranged from moderate to strongly disturbed with fall-in in Section 1 from 0 to 4 cm.



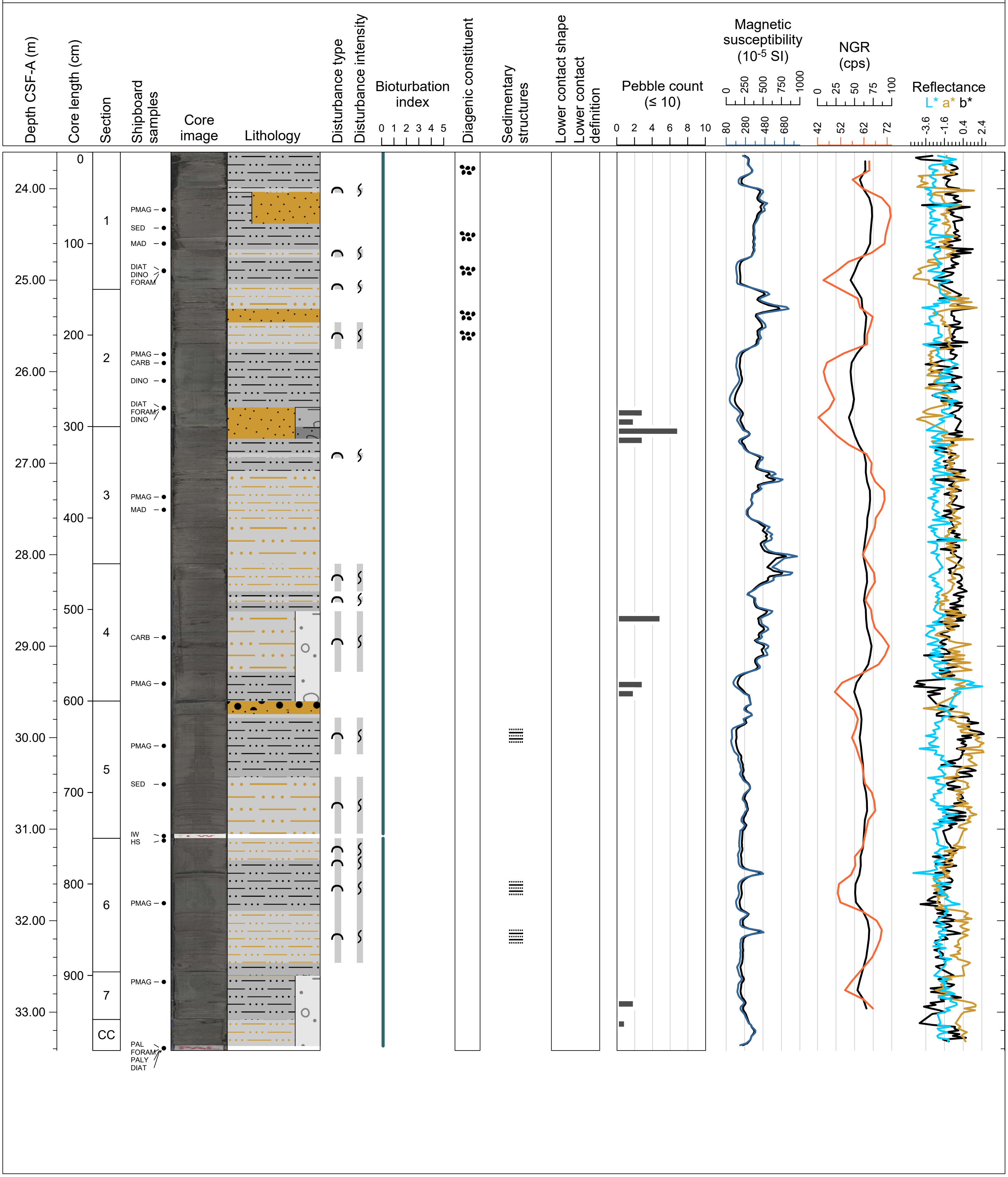
Hole 400-U1603A Core 3H, Interval 14.1-23.93 m (CSF-A)

Dark grey massive and laminated mud. Mud was more clayey than silty, and often was sandy, interlaminated with sand, or contained clasts > 2 mm. There is a distinct lack of biogenic material or bioturbation throughout. Drilling disturbance ranges from undisturbed to moderate with a soupy interval in Section 2 and up-arching throughout the core.



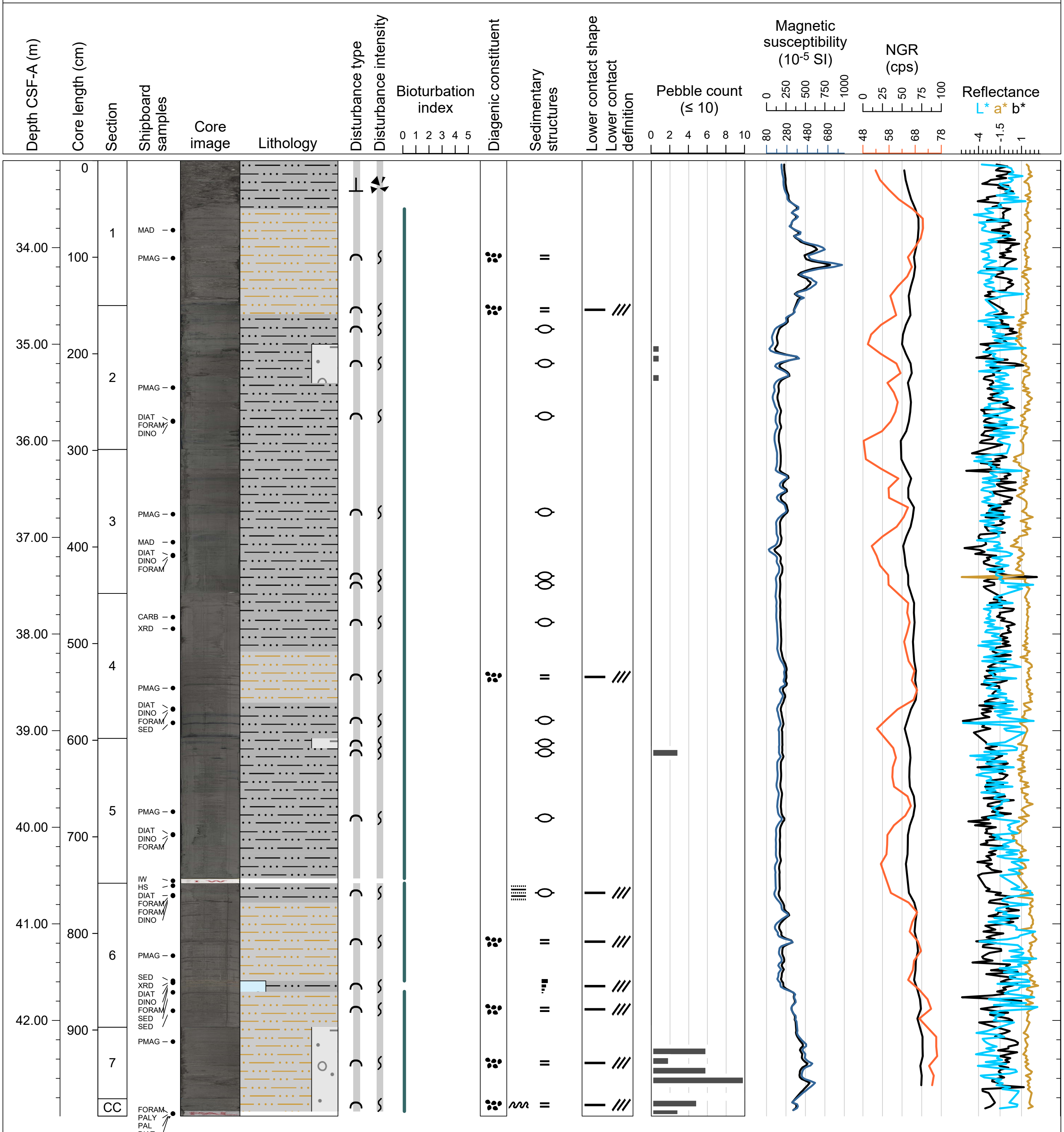
Hole 400-U1603A Core 4H, Interval 23.6-33.42 m (CSF-A)

Greyish brown mud alternating with interlaminated mud and sand intervals which become more common at the end of the core. Dispersed to abundant clasts in some mud and very fine sand intervals. Noted color banding in Sections 5-6. No bioturbation and only slight drilling disturbance.



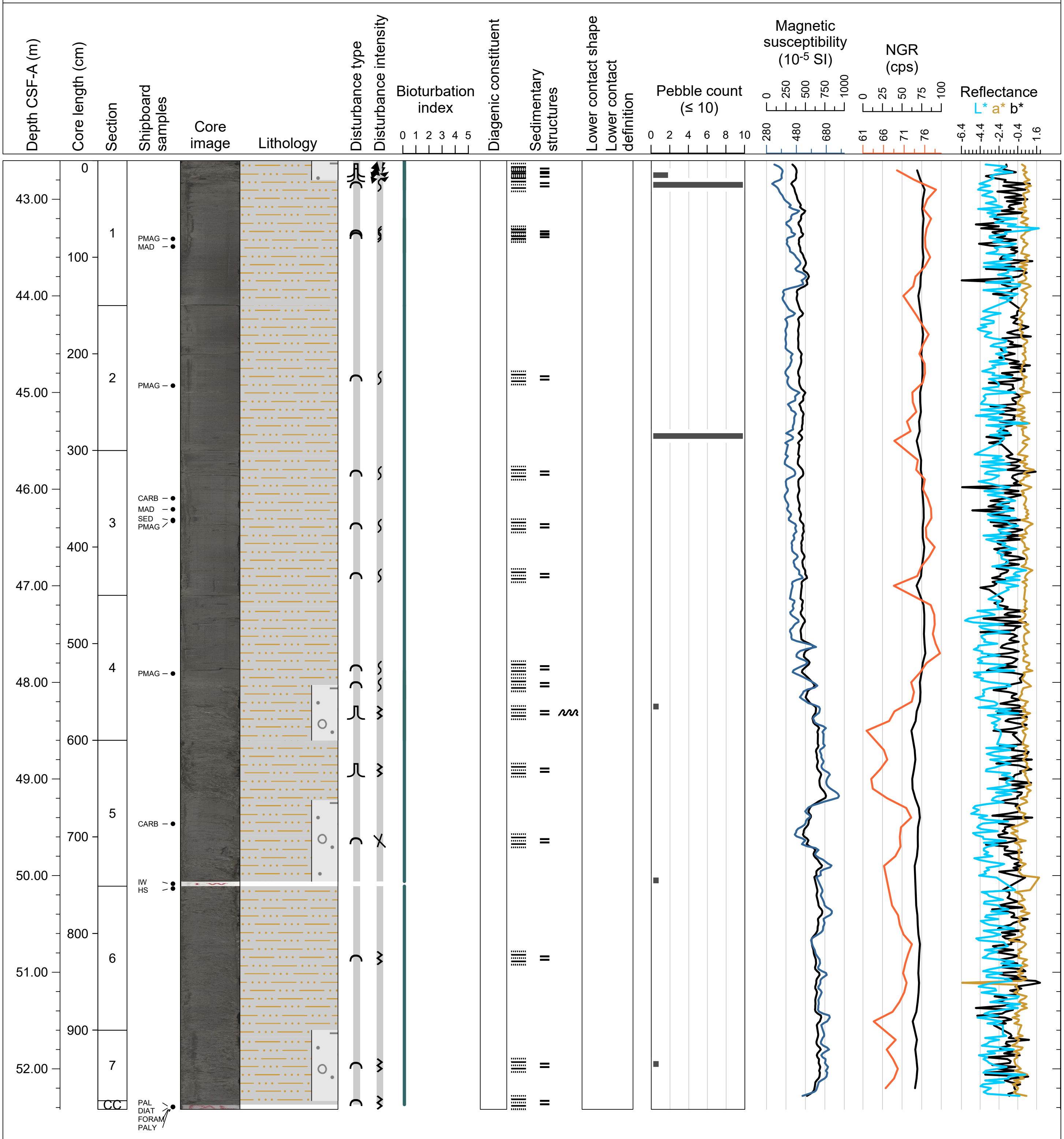
Hole 400-U1603A Core 5H, Interval 33.1-42.99 m (CSF-A)

Brown alternating mud with sand laminae to interlaminated muds and muddy sand. The muddy sands are often pinkish in color reflecting K-Feldspar observed in smear slide. Frequent black discoloration, likely iron sulfide, associated with igneous clasts and sandy layers. Clasts in Section 2 were large, 2-3 cm, in comparison to Section 7 where the clasts were 2 mm in size, pink, and dispersed throughout. There was a 3 cm carbonate rich layer in Section 6 from 101-112 cm with inverse grading. Smear slide indicated it is detrital carbonate of silt size. No bioturbation identified and slight up-arching throughout the core.



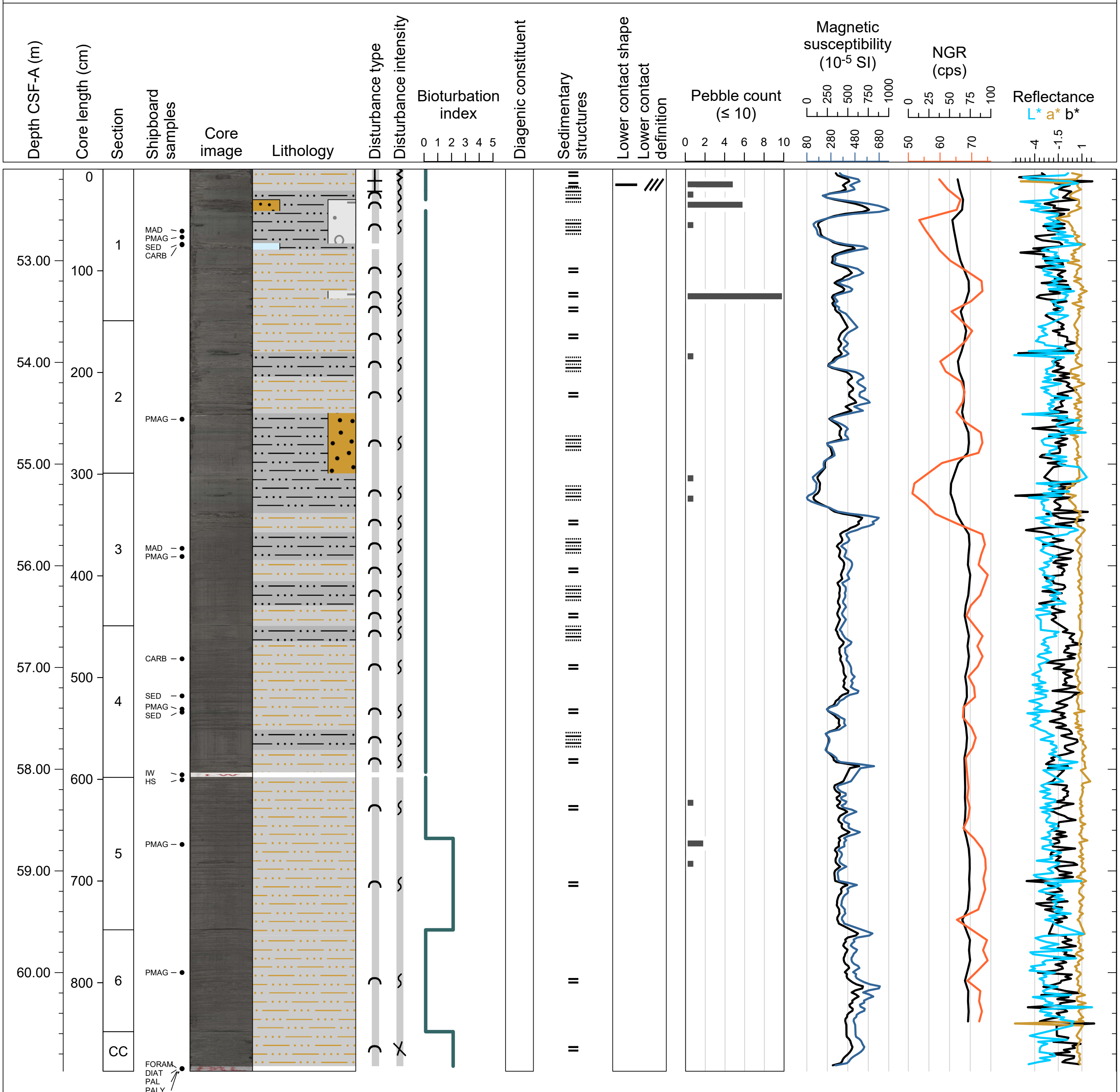
Hole 400-U1603A Core 6H, Interval 42.6-52.42 m (CSF-A)

Brown interlaminated mud and muddy sand, grey, clay to very fine sand, Sand laminae (3-10mm) in grey mud, alternates between very visible interlaminations by texture to less apparent by color banding with a bold sand thick laminae (5mm) every 5-10cm. Dispersed igneous clasts, some 2-3 cm semi to well-rounded, generally obscured, and others (~2 mm) very scattered over surface, pink (assumed K-feldspathic). Calcaspheres were observed in smear slide, with very little fine sand. Potential convolute laminae syn-deformation but drilling disturbance is severe so difficult to determine.



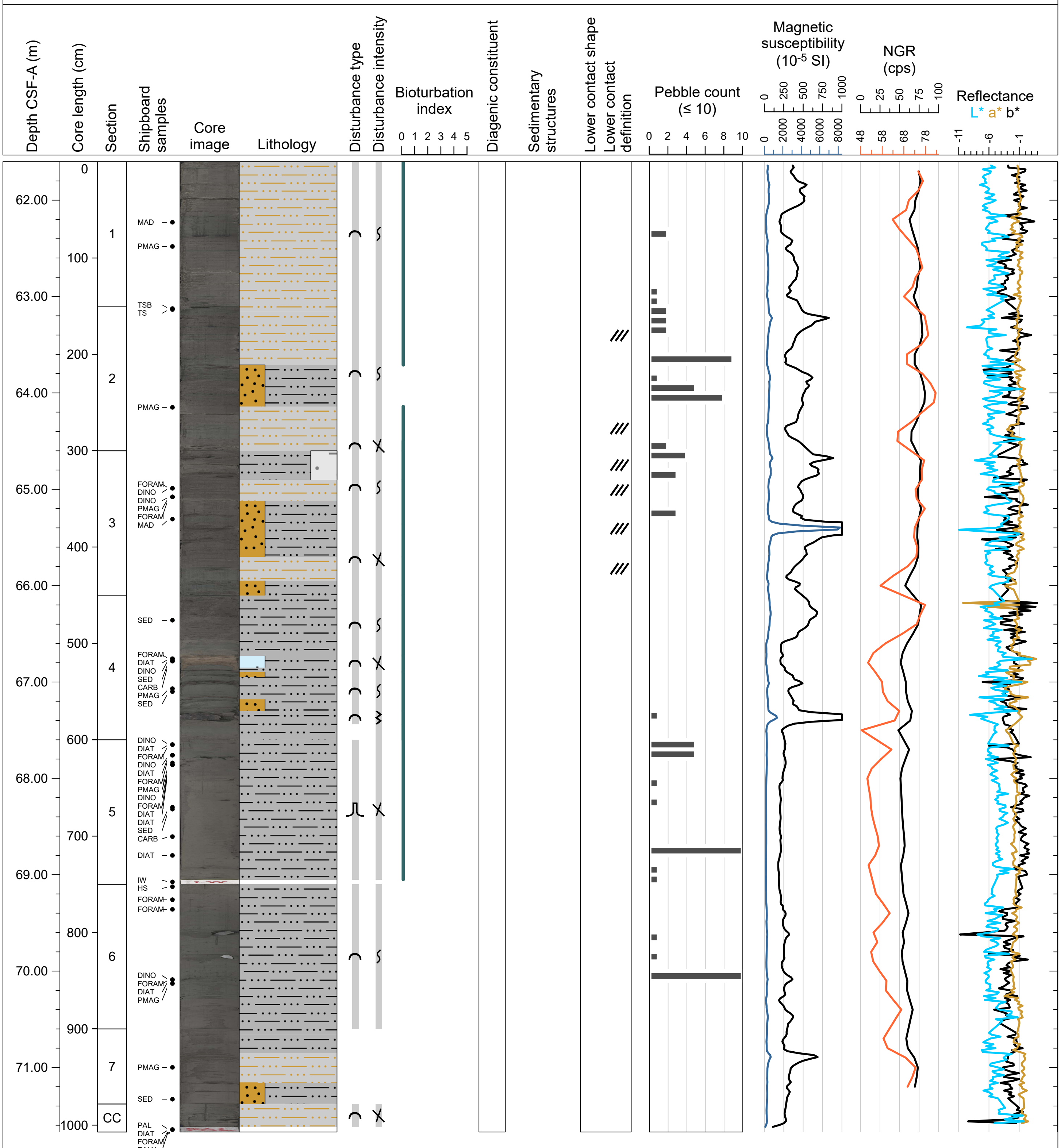
Hole 400-U1603A Core 7H, Interval 52.1-60.97 m (CSF-A)

Grey green featureless mud beds roughly 20 cm thick with some color banding and with well defined interlaminated muds with sand (~0.5 mm), alternating with sands that are very white planar, sharp based that are no more than 1cm thick. There is a detrital carbonate-rich layer in Section 1 at 72 cm. Dispersed clasts, igneous, some 2-3 cm semi to well-rounded, generally obscured, and others (~2 mm) very scattered over surface and are pink (assumed K-feldspathic). Slight up-arching and rare bioturbation identified.



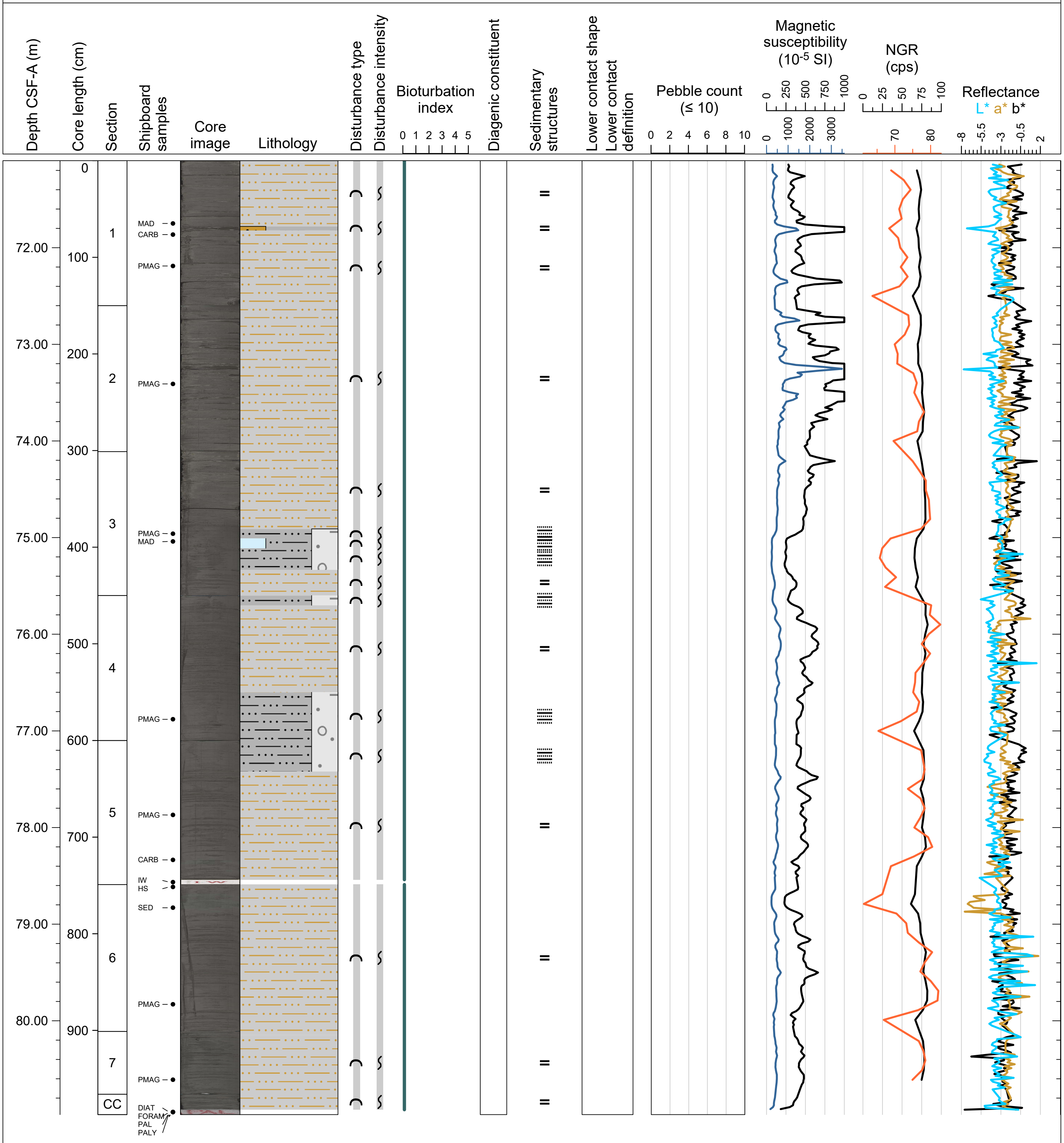
Hole 400-U1603A Core 8H, Interval 61.6-71.67 m (CSF-A)

Greyish yellow interlaminated muds and sands with gradational lower contacts as well as featureless grey-green mudstone with large dropstones that are well rounded igneous clasts. In Section 4 there is a 5 cm greyish brown calcareous mud interval. Drilling disturbance ranged from undisturbed to moderate up-arching. No bioturbation is present.



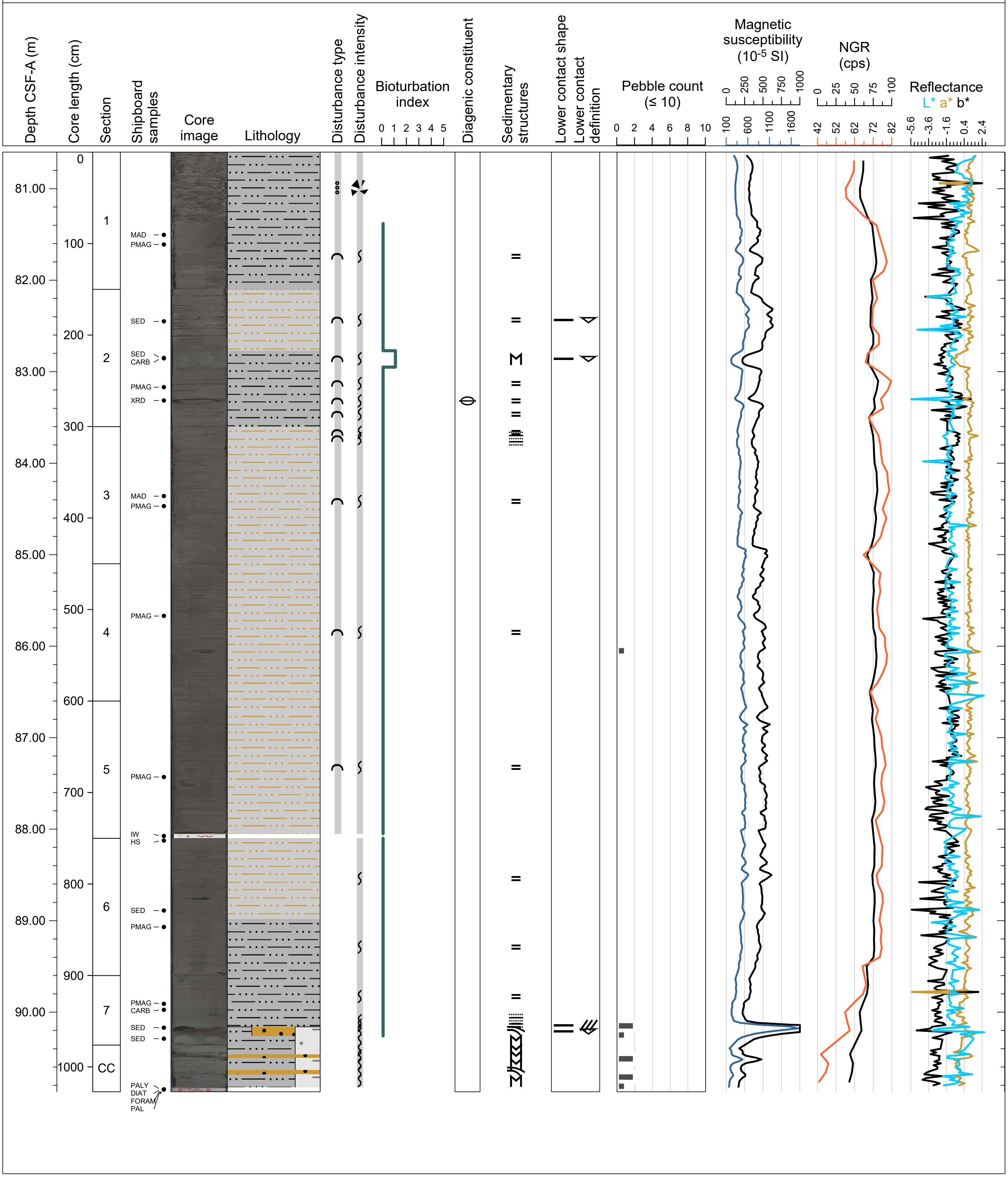
Hole 400-U1603A Core 9H, Interval 71.1-80.97 m (CSF-A)

Greyish green interlaminated mud and sands with 3 to 10 cm sand laminae with greyish green mud with dispersed clasts that has color banding. In Section 3 there is a calcareous mud with dispersed clasts interval at 90 cm with color banding. No bioturbation present and slight up-arching.



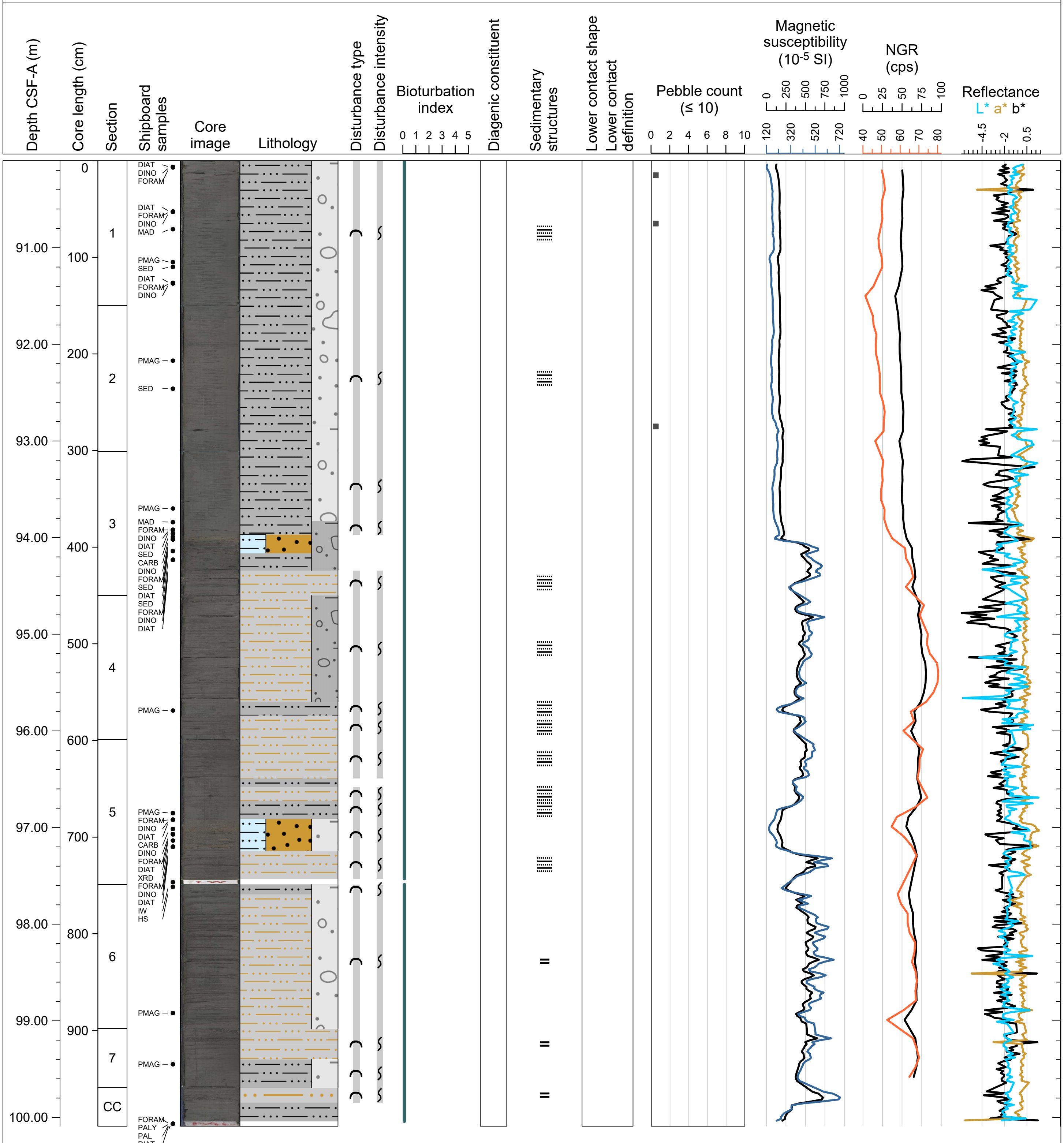
Hole 400-U1603A Core 10H, Interval 80.6-90.87 m (CSF-A)

Very dark grey thinly to thickly interlaminated mud and sand with interbeds of greenish grey mud with dispersed clasts. In Section 4 there is a 1.5 cm clast at 95 cm. Black banding is noted as well. No bioturbation is identified and drilling disturbance is slight up-arching.



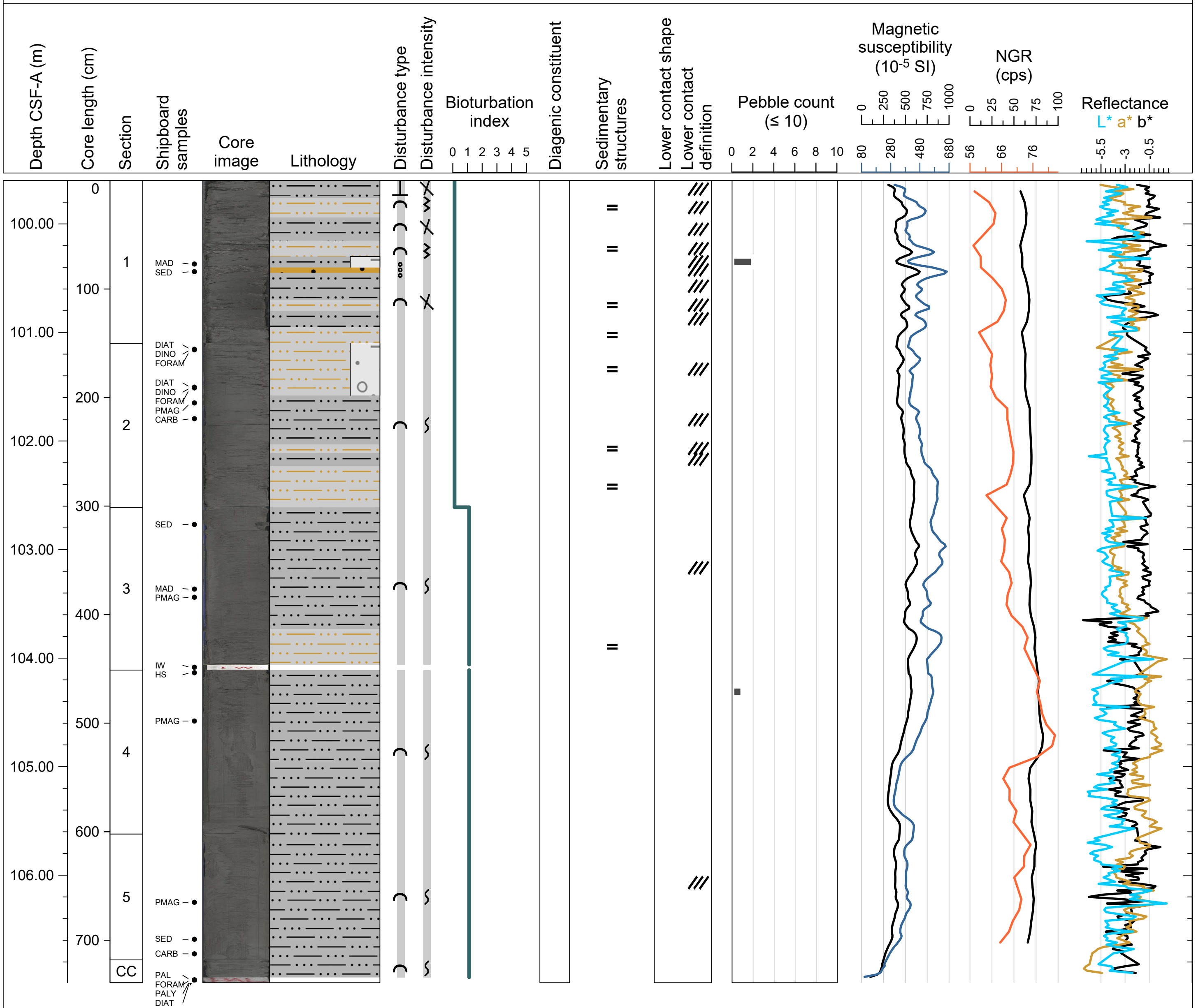
Hole 400-U1603A Core 11H, Interval 90.1-100.09 m (CSF-A)

Dark greenish grey color banded mud alternating with interlaminated mud and sand of greyish brown color with dispersed coarse red grains. Color banding is noted in the interlaminated mud and sand as well as the mud intervals. In Section 5 there is a muddy calcareous sand with dispersed clast interval at 82 cm. No bioturbation is identified and there is slight up-arching.



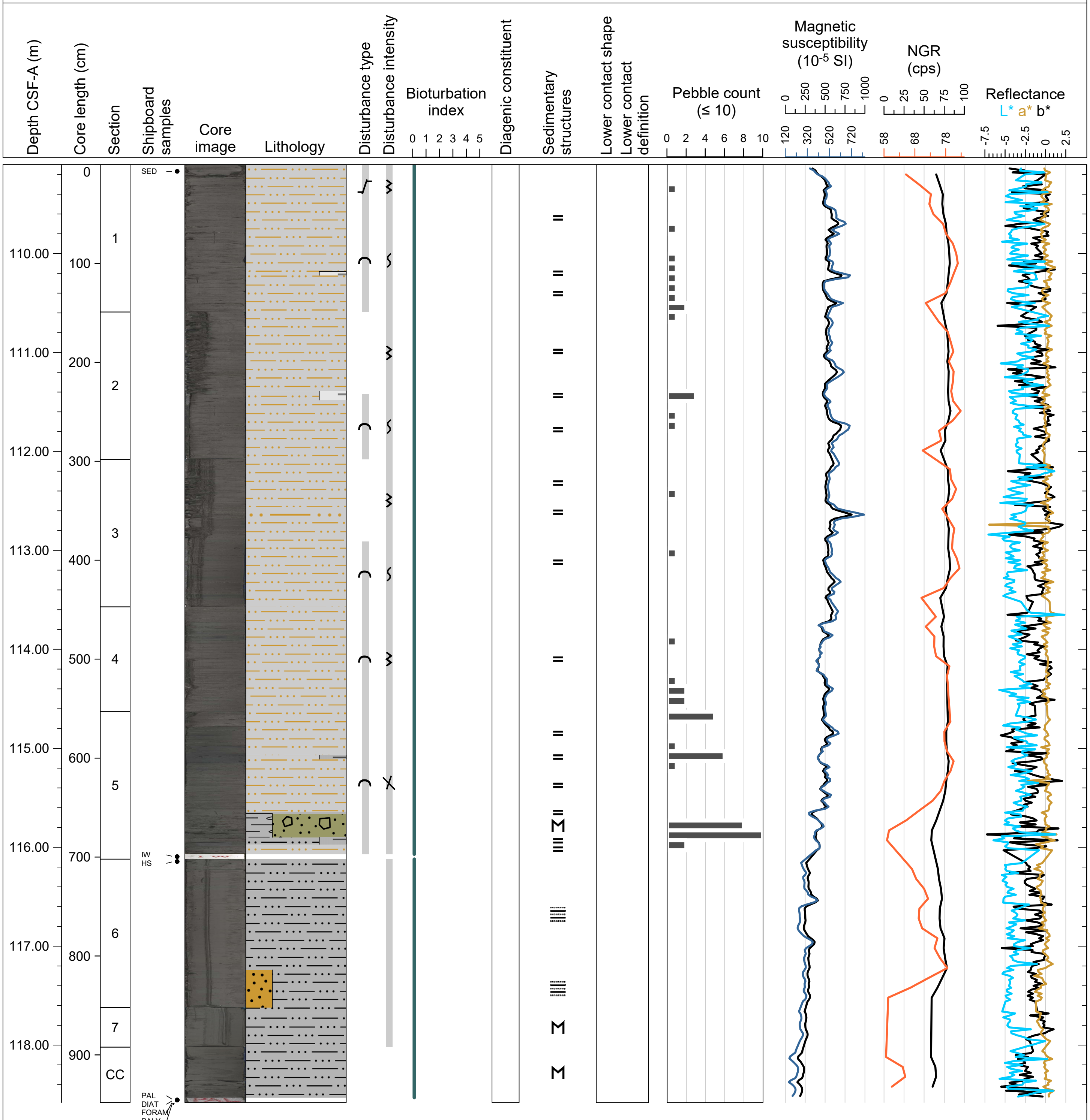
Hole 400-U1603A Core 12H, Interval 99.6-106.99 m (CSF-A)

Dark greyish yellow mud and interlaminated mud and sand lithologies in the upper two sections, which transitions (gradationally) downcore to mud with very few sandy laminations/beds. The mud intervals in the upper sections have some dispersed sand grains. The muds in Section 4 and 5 have sand 'blobs/blebs' (not clasts or clast clusters). Section 1 is moderately to strongly disturbed. The stratigraphy is generally intact, but there is significant flow-in along the sides (especially by sandy intervals) and there is pronounced up-arching throughout.



Hole 400-U1603A Core 13H, Interval 109.1-118.58 m (CSF-A)

Dark grey mud with interlaminated sands. Mud intervals in Section 6 do not contain sand laminae, but are instead color-banded and may be sandy. In Sections 1 through 5 clasts were identified. There is one thin interval of massive diamicton in Section 5. The core liner shattered, which led to pervasive strong to slight core disturbance.



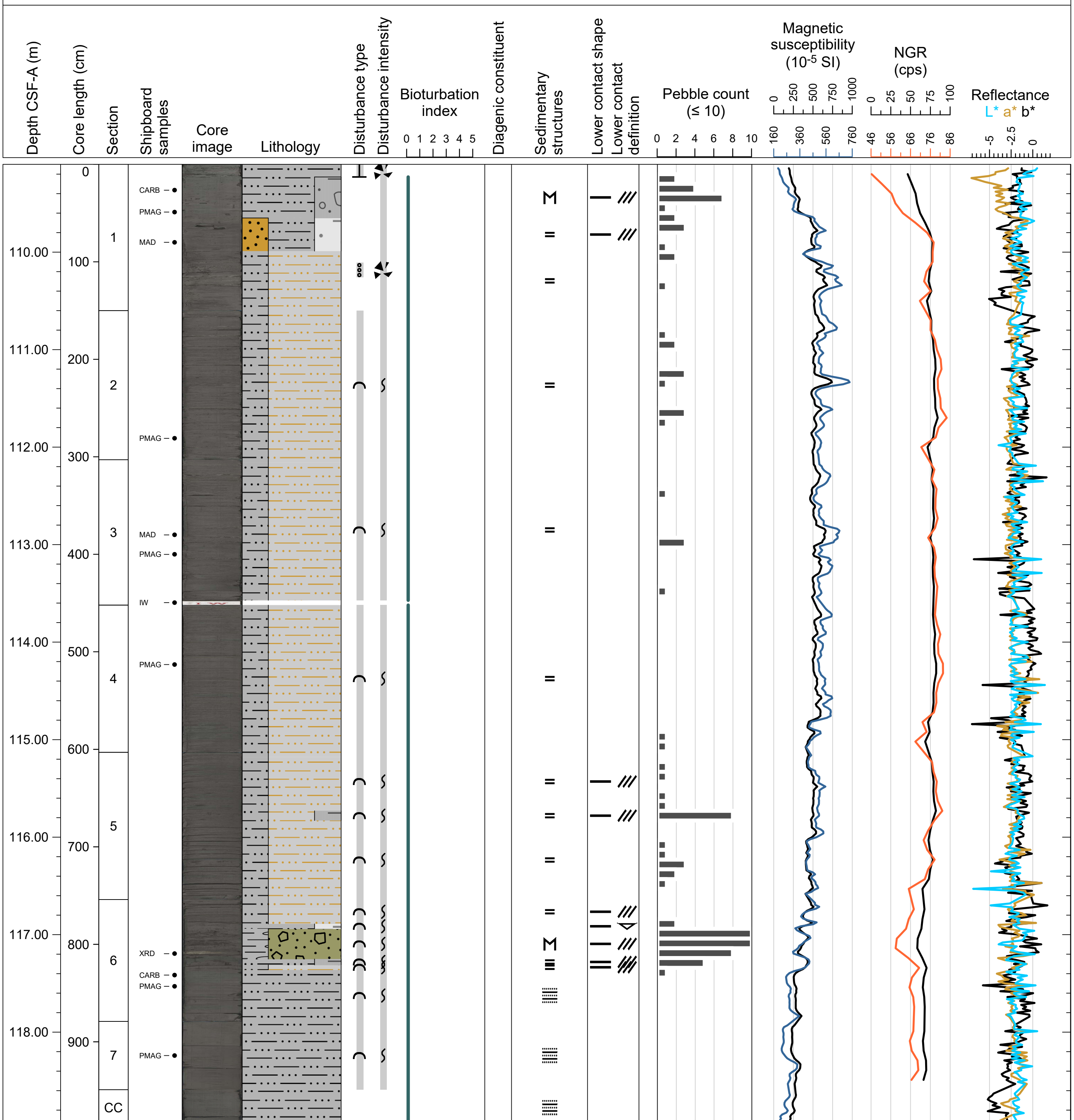
Hole 400-U1603B Core 11, Interval 0.0-0.0 m (CSF-A)

DRILLED INTERVAL 0.00-109.10 m

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Lithology	Disturbance type	Disturbance intensity	Bioturbation index	Diagenic constituent	Sedimentary structures	Lower contact shape	Lower contact definition	Pebble count (≤ 10)	Magnetic susceptibility (10^{-5} SI)	NGR (cps)	Reflectance L* a* b*
								0 1 2 3 4 5					0 2 4 6 8 10	0 250 500 750 1000 / 0 0.25 0.5 0.75 1	0 25 50 75 100 / 0 0.25 0.5 0.75 1	0 0.25 0.5 0.75 1

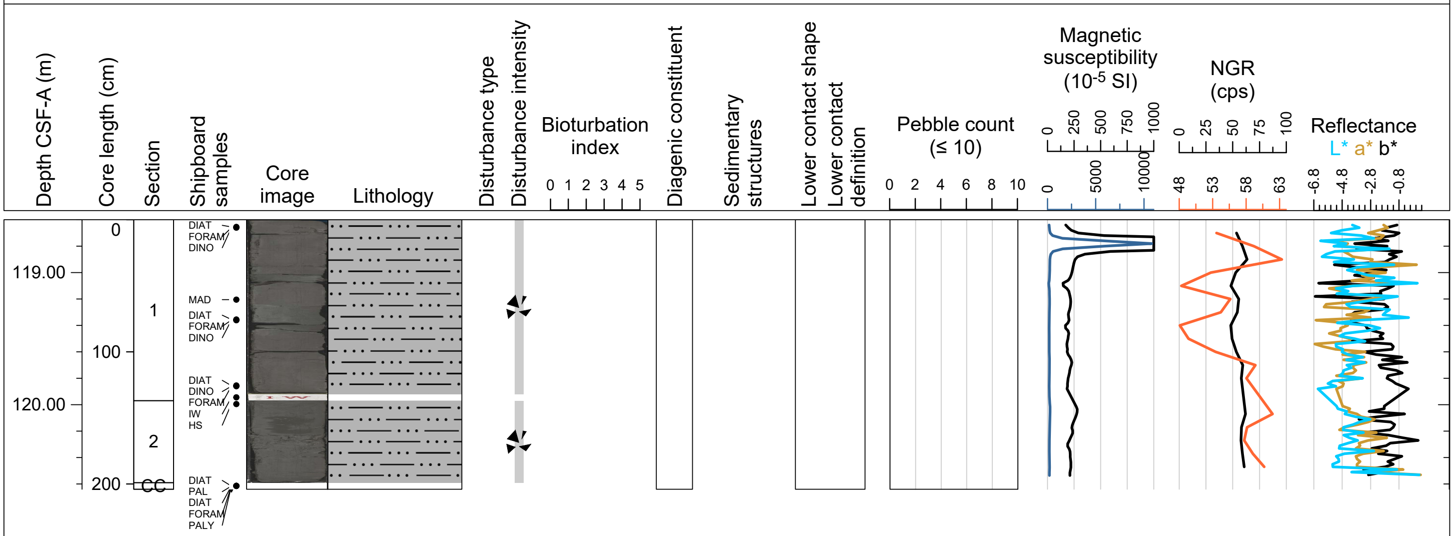
Hole 400-U1603B Core 2H, Interval 109.1-118.96 m (CSF-A)

Dark grey muddy interlaminated sand and mud as well as sandy mud with dispersed-clasts that is thinly laminated with gradational lower contacts. There are intervals of mud with color banding. In Section 6 there is a muddy clast rich diamicton. In Section 2 there are two clasts pebble in size. The core is slightly disturbed with severe fall-in in Section 1. No bioturbation was identified.



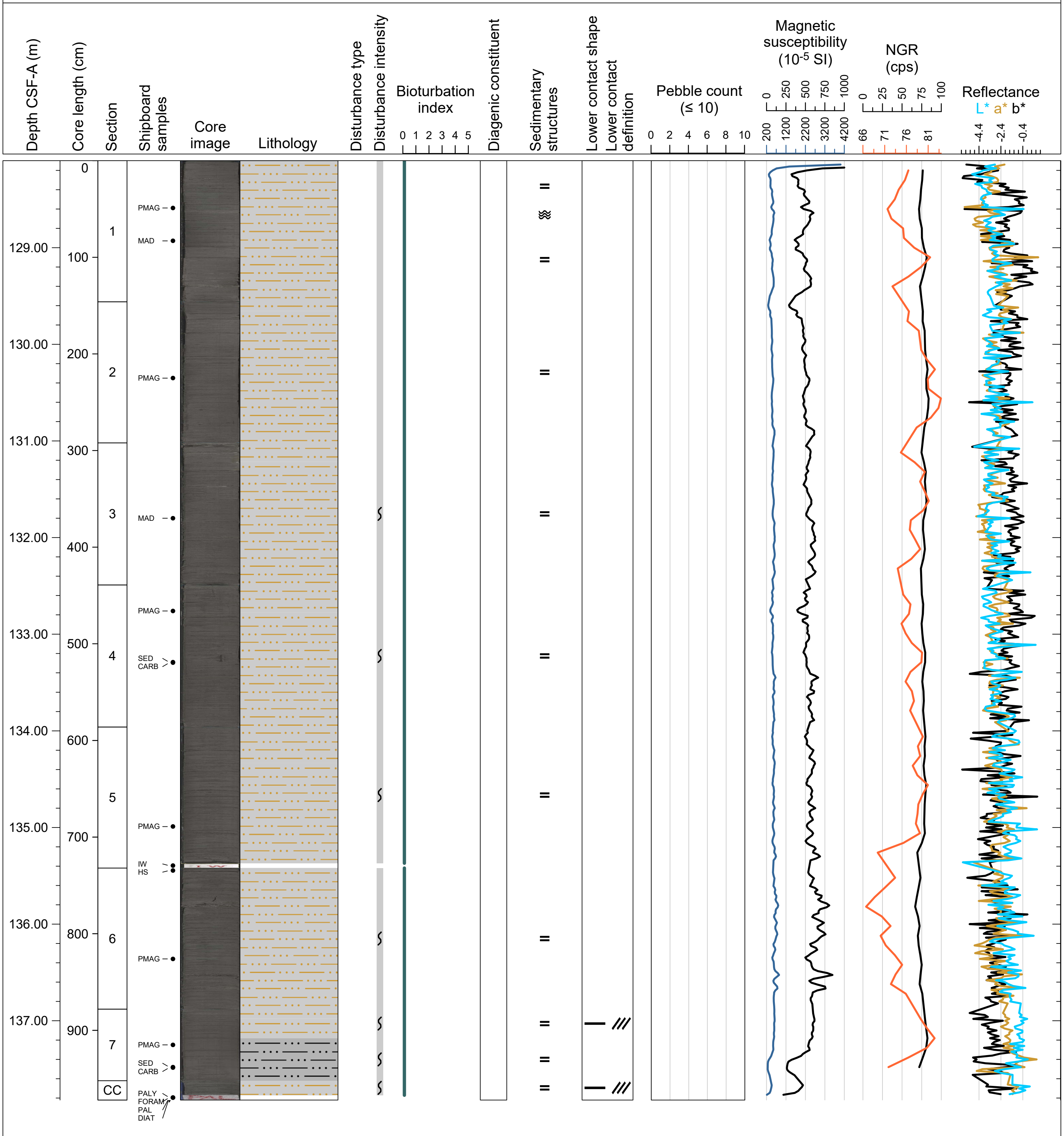
Hole 400-U1603B Core 3H, Interval 118.6-120.64 m (CSF-A)

Dark grey mud, structureless. Core is severely disturbed. Came to the catwalk in pieces that were placed in a liner.



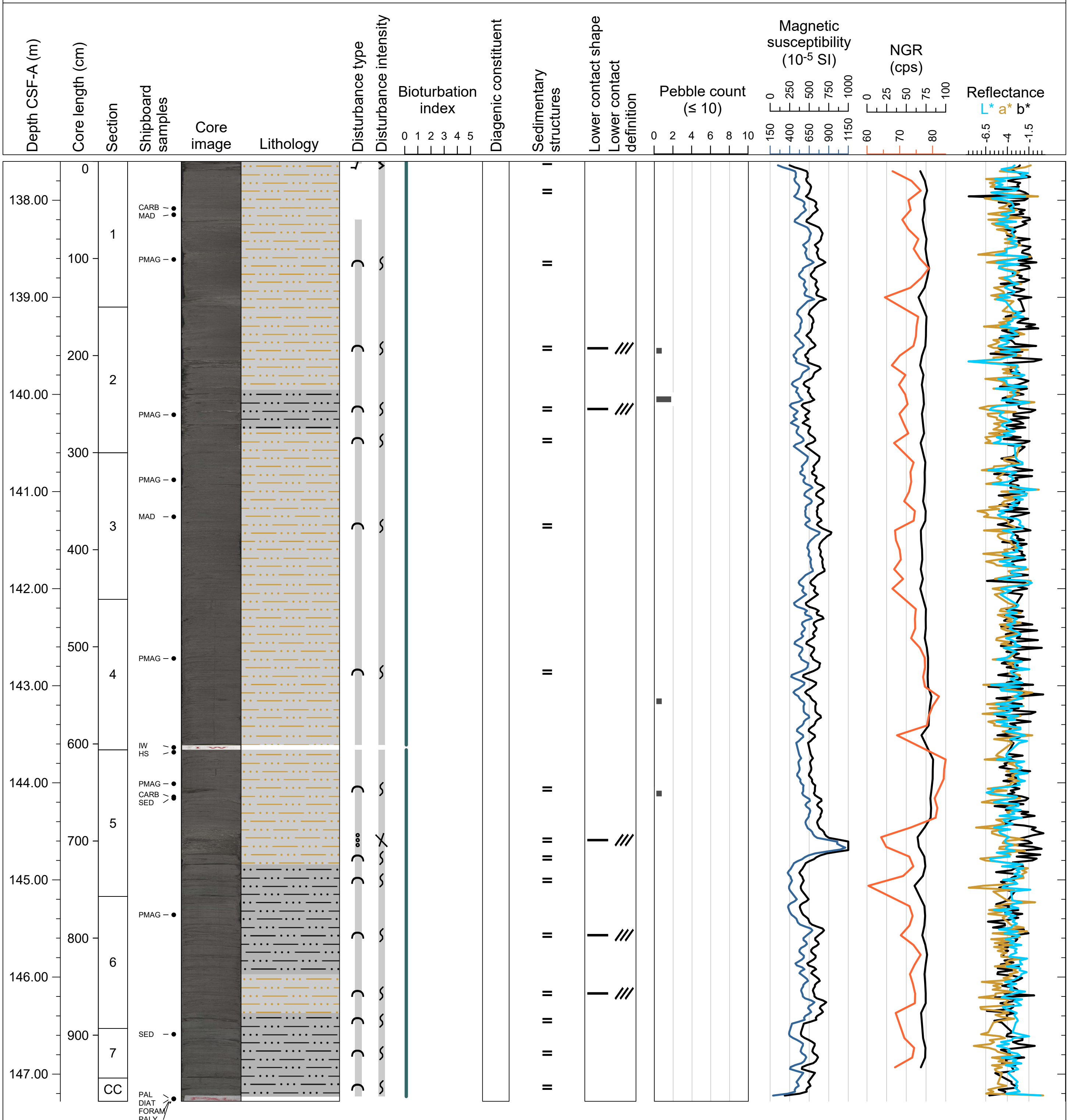
Hole 400-U1603B Core 4H, Interval 128.1-137.82 m (CSF-A)

Very dark grey interlaminated sand and mud. Laminae are sharp-based, horizontal, planar, parallel, and vary in thickness from 1 mm to 2 cm. In Section 4 at 53 cm there are wavy laminations.



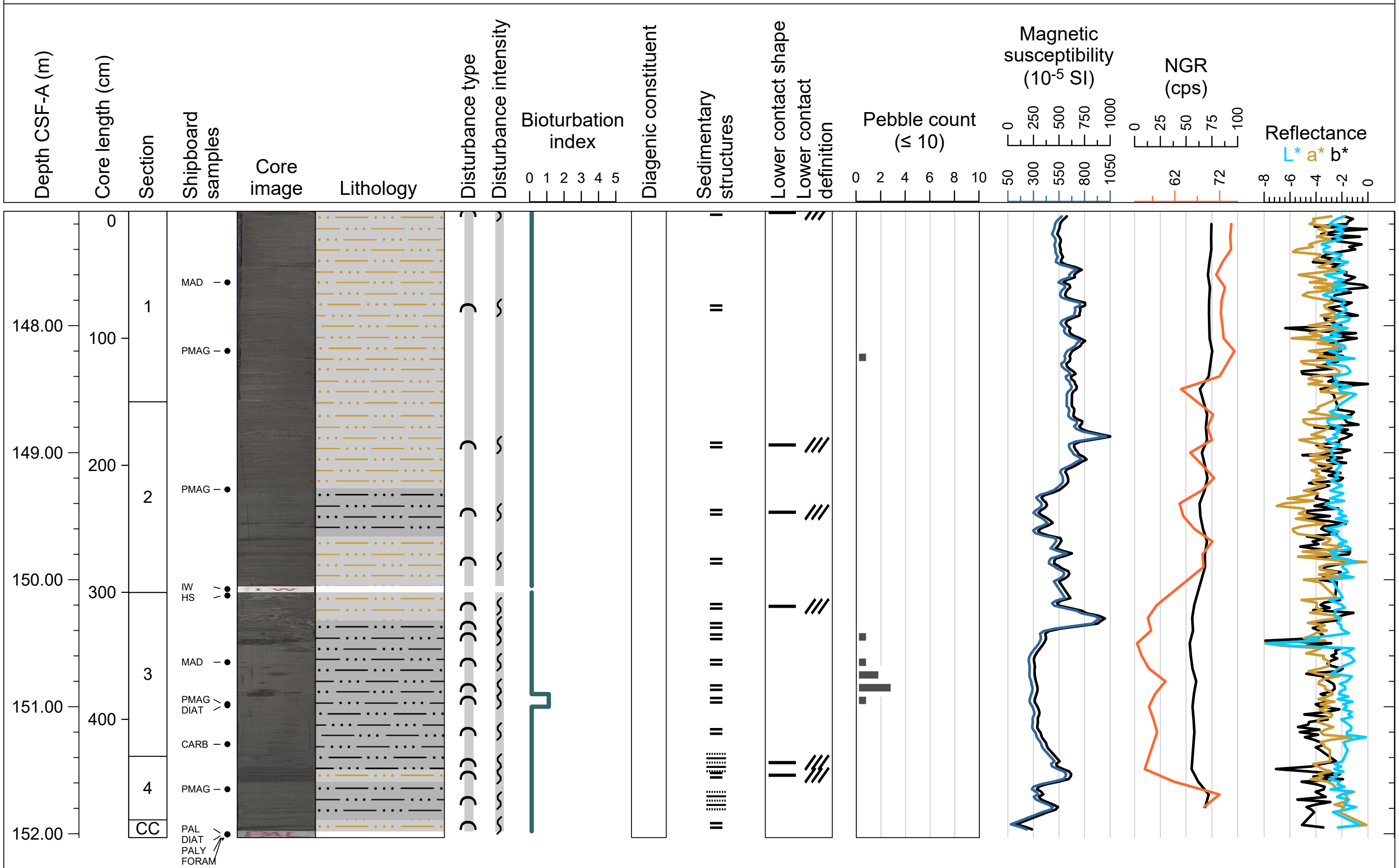
Hole 400-U1603B Core 5H, Interval 137.6-147.28 m (CSF-A)

Dark grey interlaminated sand and mud, alternating with mud with laminae. Interlaminated laminae are planar, straight, less than 5 mm. The mud with laminae are more sparse and thicker (0.5 - 2 cm). Lower contacts are gradational over roughly 10 cm. Slight drilling disturbance with up-arching. Diagenetic features occasionally iron sulfides with discoloration. Rare clasts > 1cm subrounded, igneous.



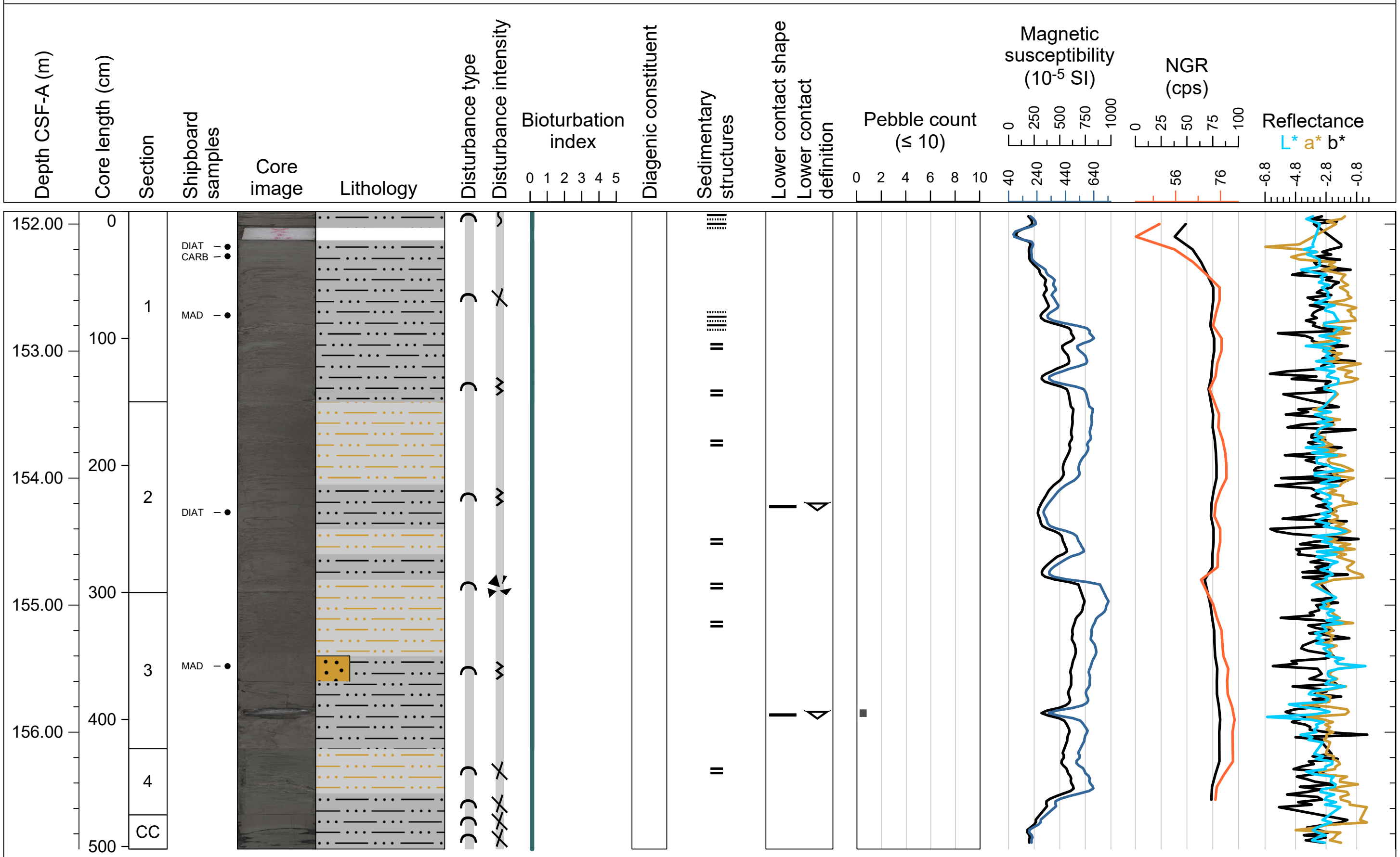
Hole 400-U1603B Core 6F, Interval 147.1-152.03 m (CSF-A)

Dark grey mud and interlaminated sand and mud. Interlaminated sand and mud is typically mud-dominated, with mm to cm-scale laminations of very fine to fine sand at various spacings. Mud sometimes shows color banding. A few outsized clasts (up to 2 cm, rounded) and < 1 cm scale pockets of sand (blebs) occur. Possible bioturbation in Section 3 (simple cm width burrow).



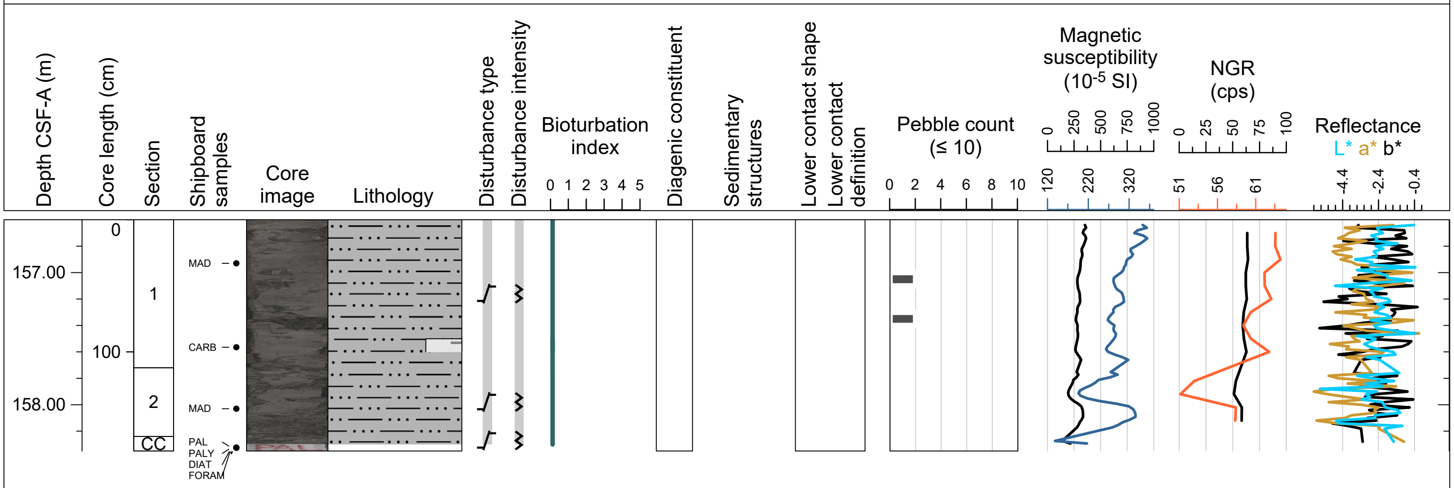
Hole 400-U1603B Core 7F, Interval 151.9-156.92 m (CSF-A)

Core is moderately to strongly affected by drilling disturbance, making observation difficult. Appears to contain alternating sections of dark grey/gley mud (often color banded) and interlaminated mud and very fine to fine sand. Outsized clasts are not abundant. A 6 cm rounded pebble of gneiss occurs in Section 3 at 92 cm.



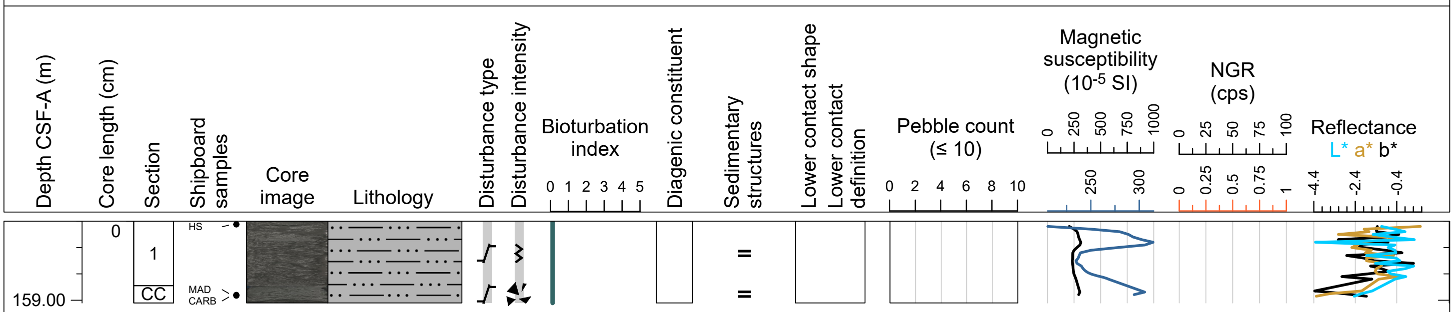
Hole 400-U1603B Core 8F, Interval 156.6-158.35 m (CSF-A)

Core is strongly disturbed making interpretation difficult. Appears to be mud. In Section 1 there are some igneous clasts 1-2 cm in size.



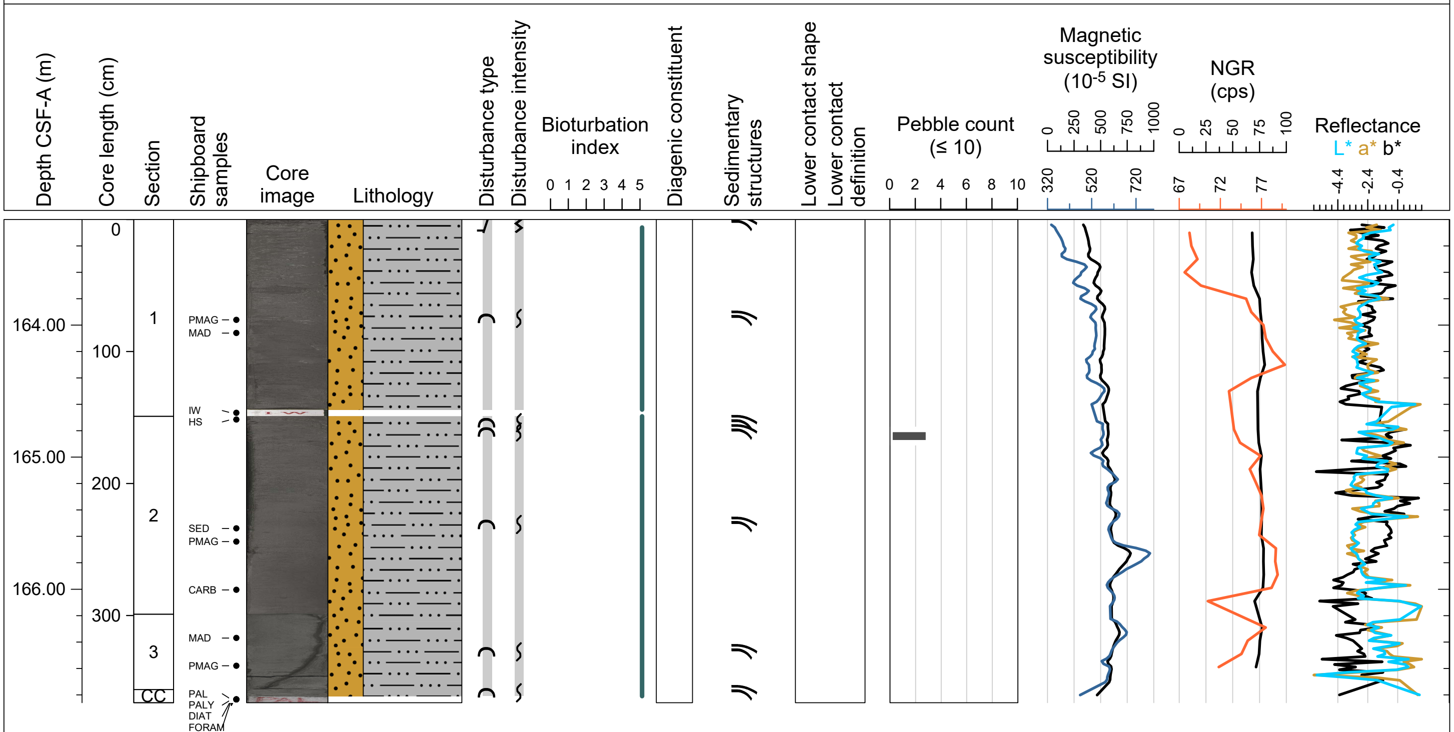
Hole 400-U1603B Core 9F, Interval 158.4-159.02 m (CSF-A)

Core is strongly to severely disturbed during drilling. Appears to be grey mud with no outsized clasts and some portions that suggest laminations prior to drilling disturbance.



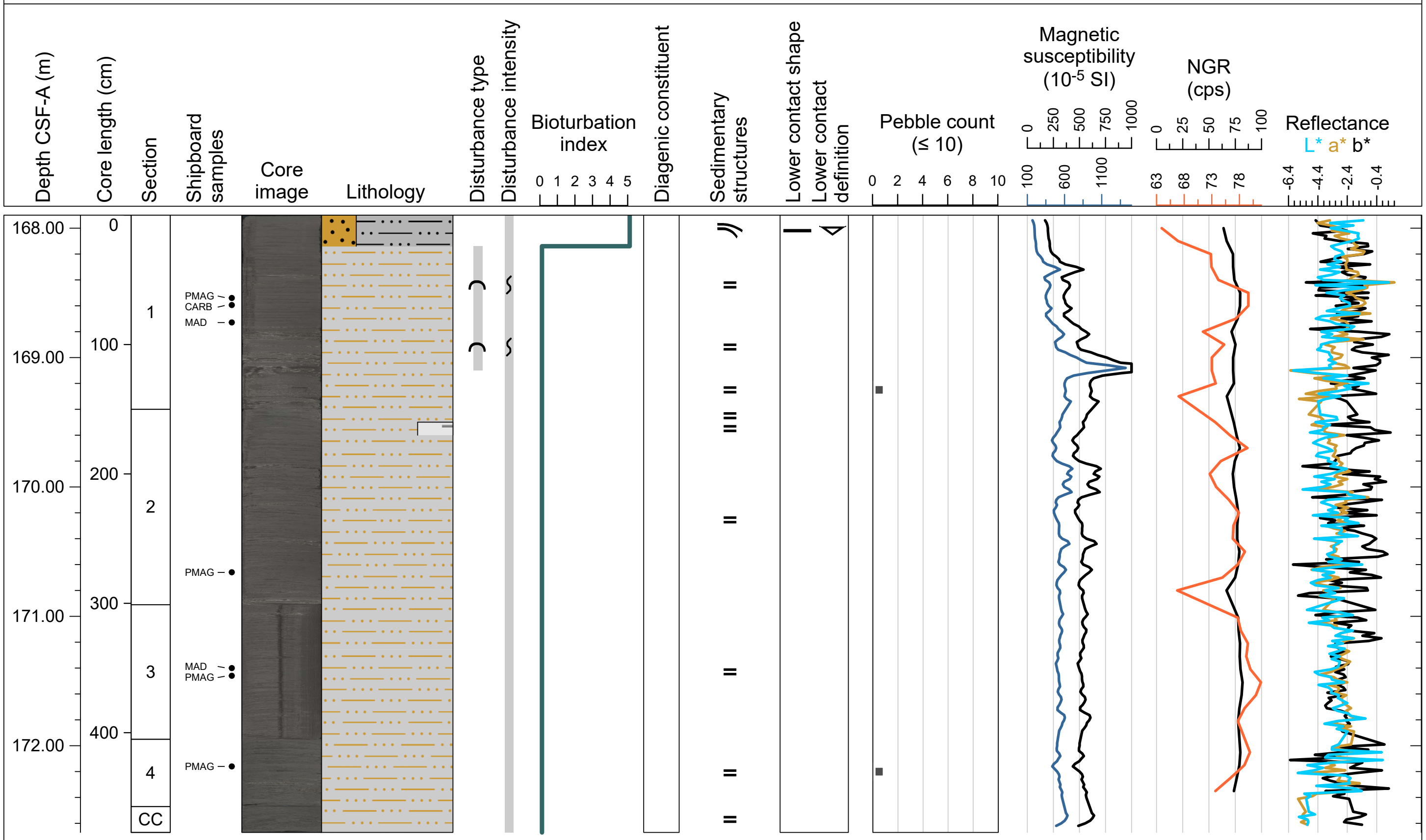
Hole 400-U1603B Core 10F, Interval 163.2-166.86 m (CSF-A)

Dark grey heavily bioturbated sandy mud with faint and subtle laminae. The bedding is indistinct. Sand is distributed throughout the core. There is abundant bioturbation with occasional sand filled burrows. There is slight up-arching throughout the core.



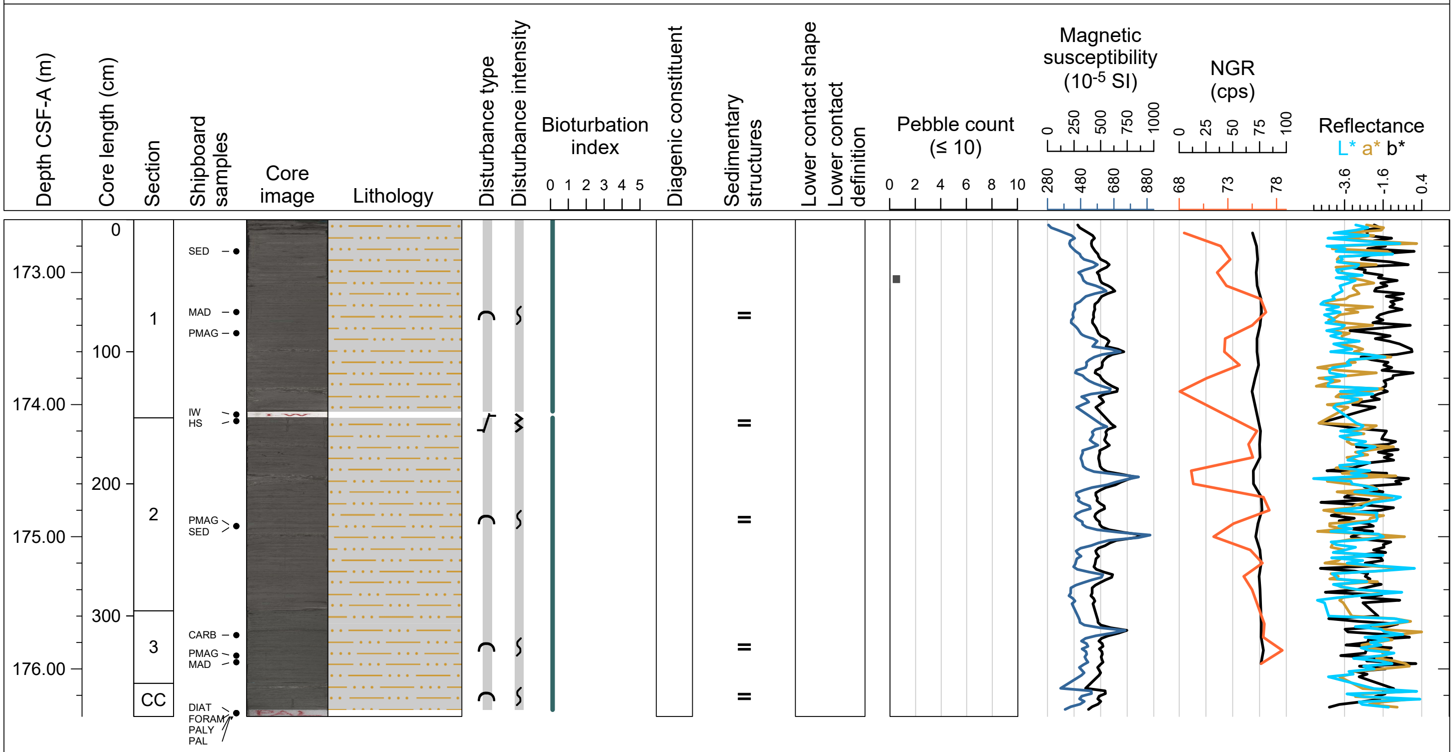
Hole 400-U1603B Core 11F, Interval 167.9-172.67 m (CSF-A)

Dark greyish yellow thickly interlaminated sandy mud and sand with distinct laminae of 1-10mm. An igneous plutonic clast > 2 cm is present in Section 1. Slight drilling disturbance throughout and abundant bioturbation found in Section 1 from 0 to 24 cm.



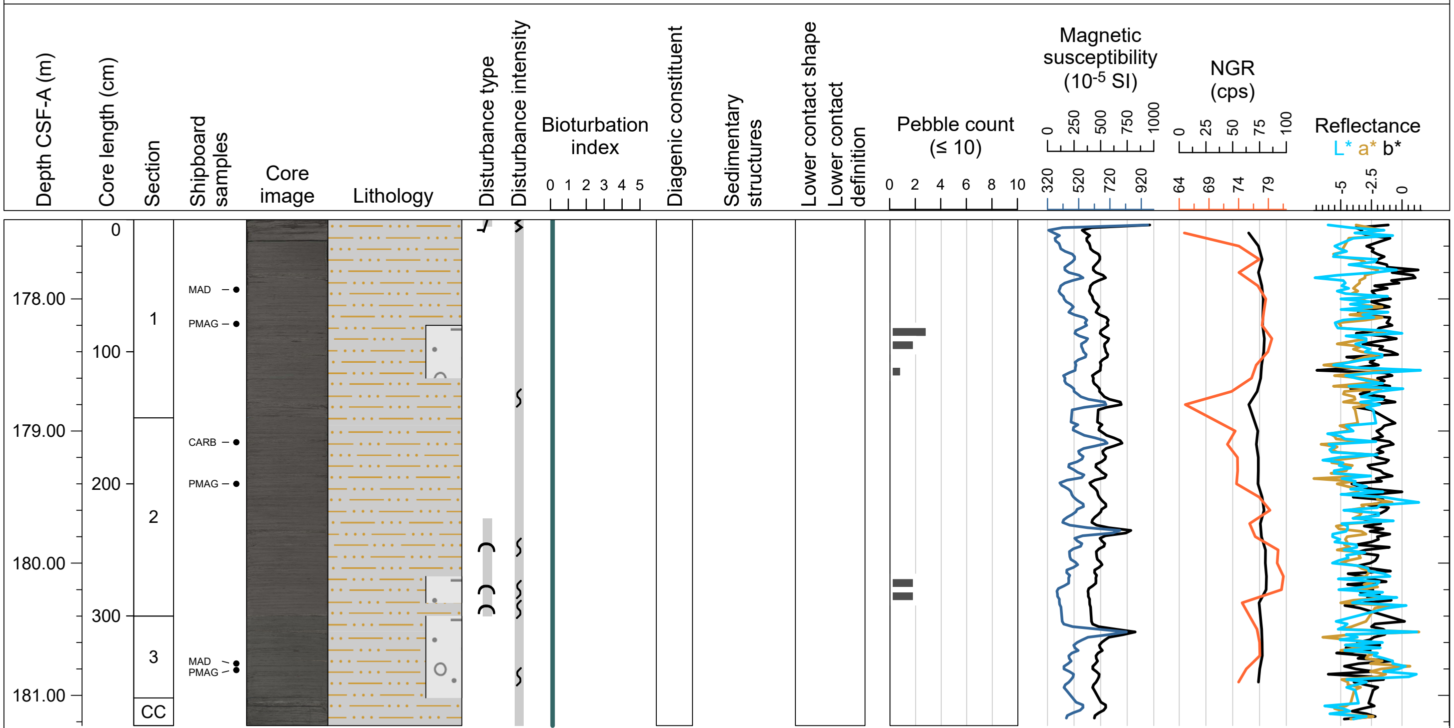
Hole 400-U1603B Core 12F, Interval 172.6-176.36 m (CSF-A)

Dark greyish yellow mud with sandy laminae and thin beds that are thickly laminated. Some sand beds appear to show normal grading. One outsized clast in Section 1 (granite, 1 cm). Slight up-arching throughout with strong disturbance in Section 2 from 0 to 8 cm.



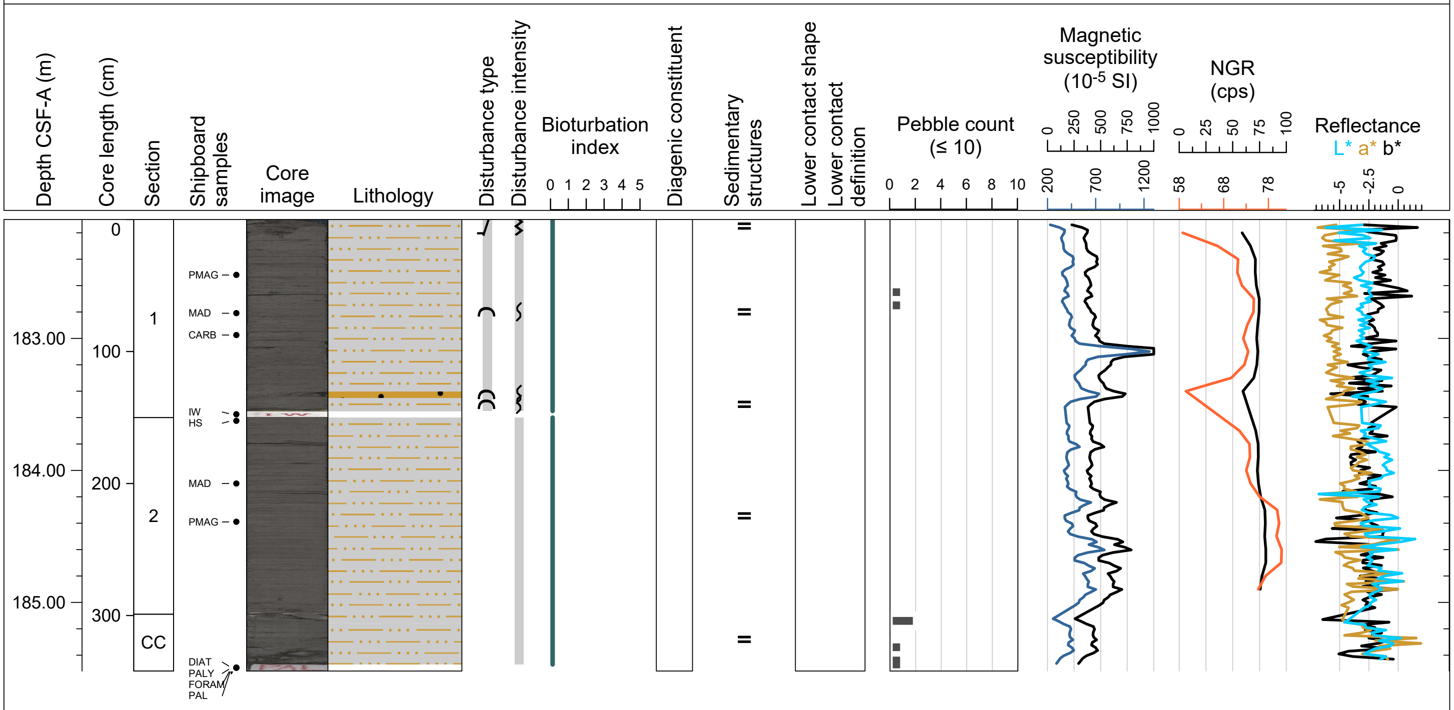
Hole 400-U1603B Core 13F, Interval 177.4-181.23 m (CSF-A)

Dark yellow interlaminated mud with sandy laminae that is normal graded (and thin 2cm beds) with cross bedding. There is variable inclination of parallel laminae and some intersection of sand beds. Dispersed 5-mm reddish clasts in intervals found in all core sections.



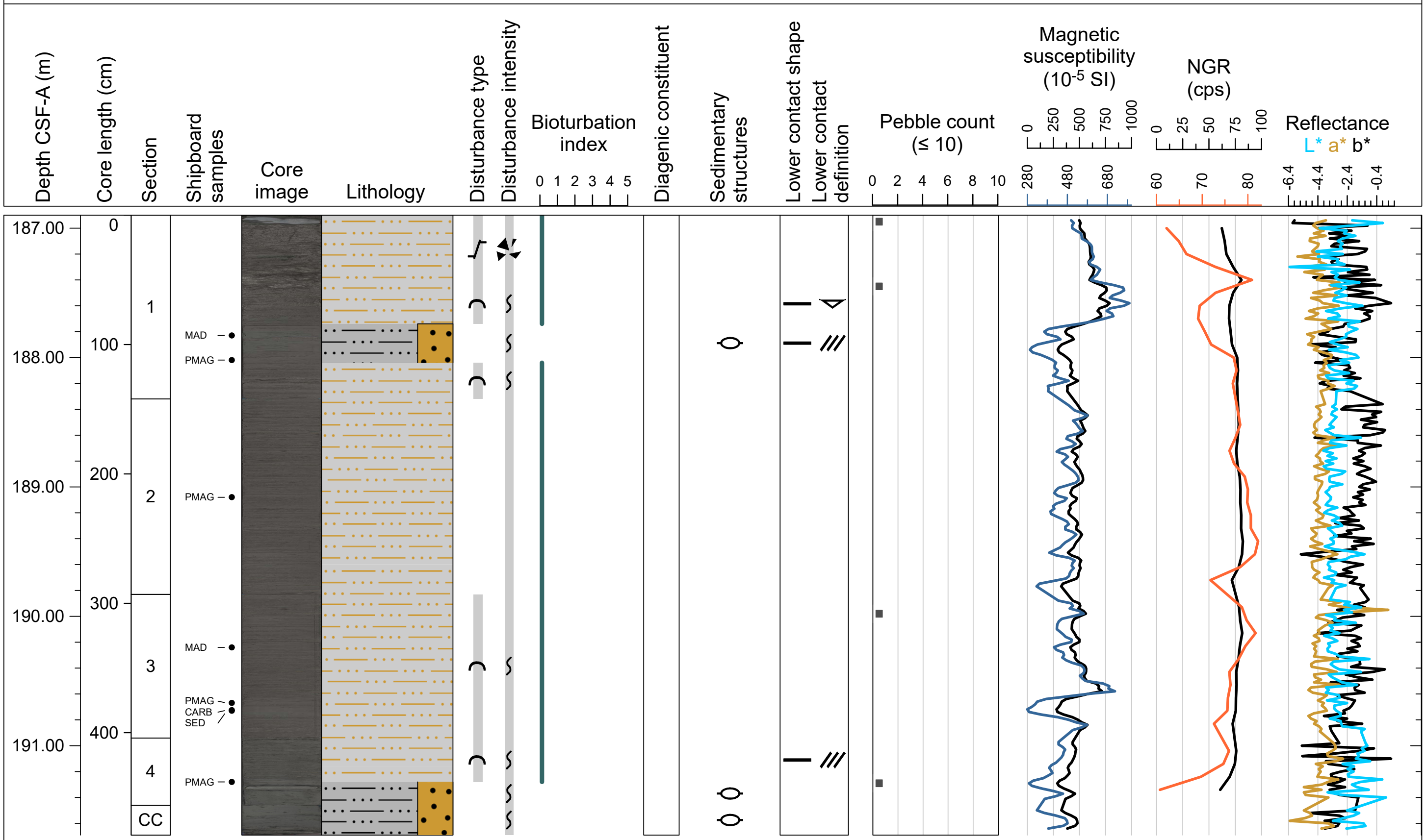
Hole 400-U1603B Core 14F, Interval 182.1-185.52 m (CSF-A)

Dark grey interlaminated mud and sand that is normal graded with mm to cm scale very fine sand laminations. The inclination of parallel laminae is variable. Some clasts greater than 5 mm found in Section 1 and the core catcher. One pebble greater than 5 cm that is fine grained metamorphic in the core catcher.



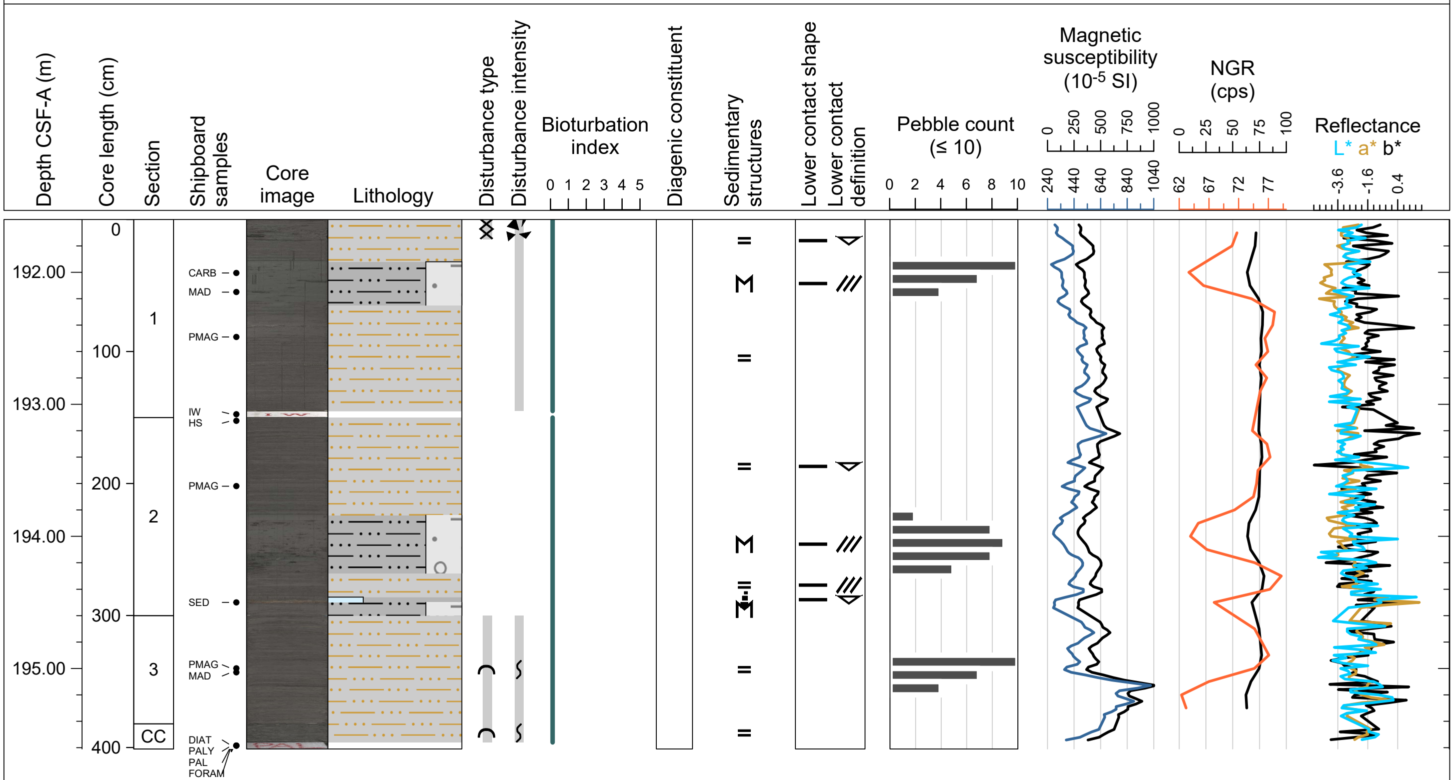
Hole 400-U1603B Core 15F, Interval 186.9-191.69 m (CSF-A)

Dark yellow alternating interlaminated mud and sand with mud that contains sand lenses. There are several large clasts > 3 cm metamorphic fine grain and plutonic found in all sections except for Section 2.



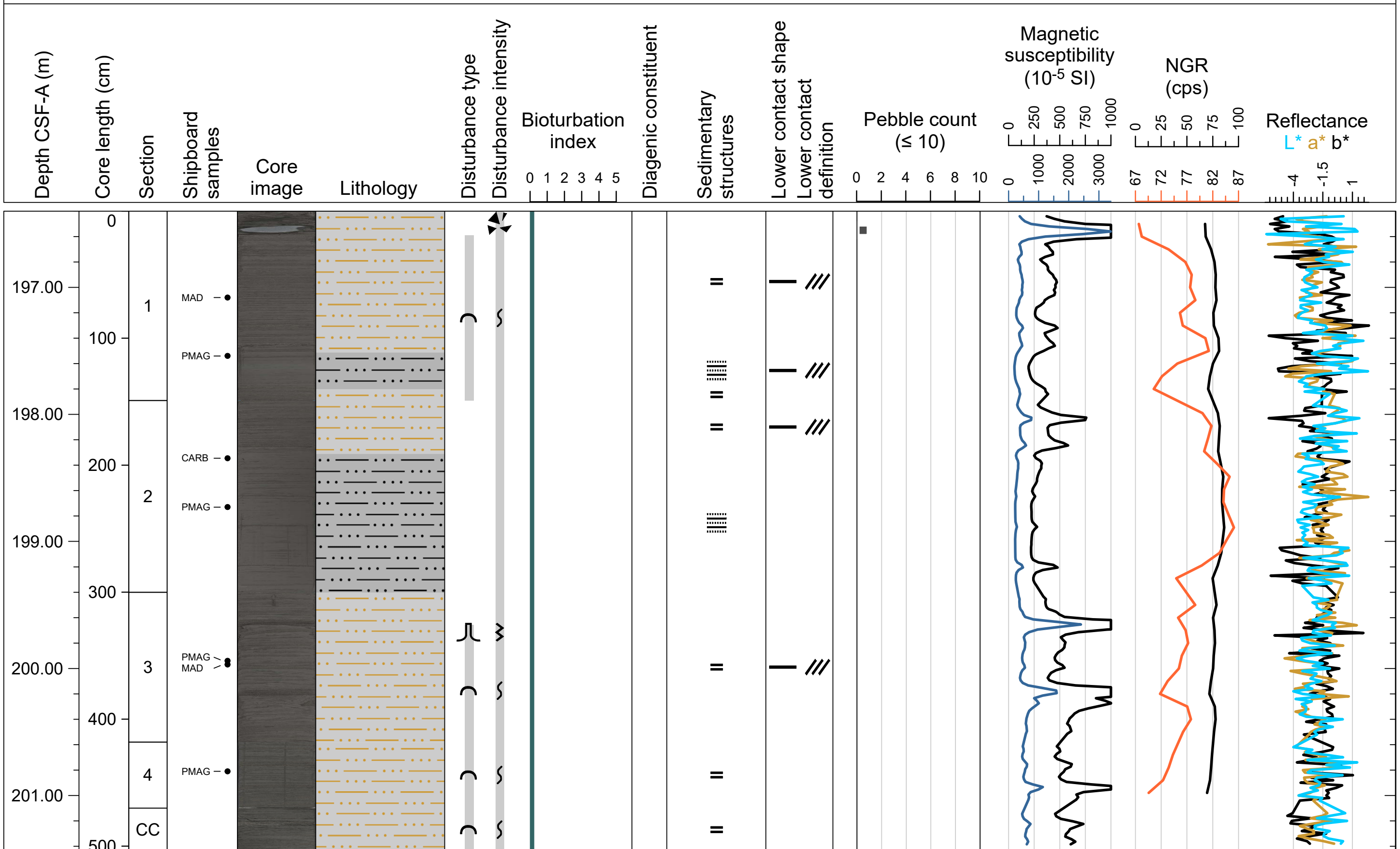
Hole 400-U1603B Core 16F, Interval 191.6-195.61 m (CSF-A)

Grey interlaminated mud and sand lithology throughout the core. Sand beds up to 1 cm thick with most less than 0.5 cm are present. In Section 2 there is a brown calcareous mud interval that is normally graded and consists of sandy mud with detrital carbonate. Following the calcareous sand there is a grey mud with dispersed clast interval with the lower contact gradational over 10 cm. Mostly undisturbed with severe disturbance in the top 15 cm of Section 1. No bioturbation identified.



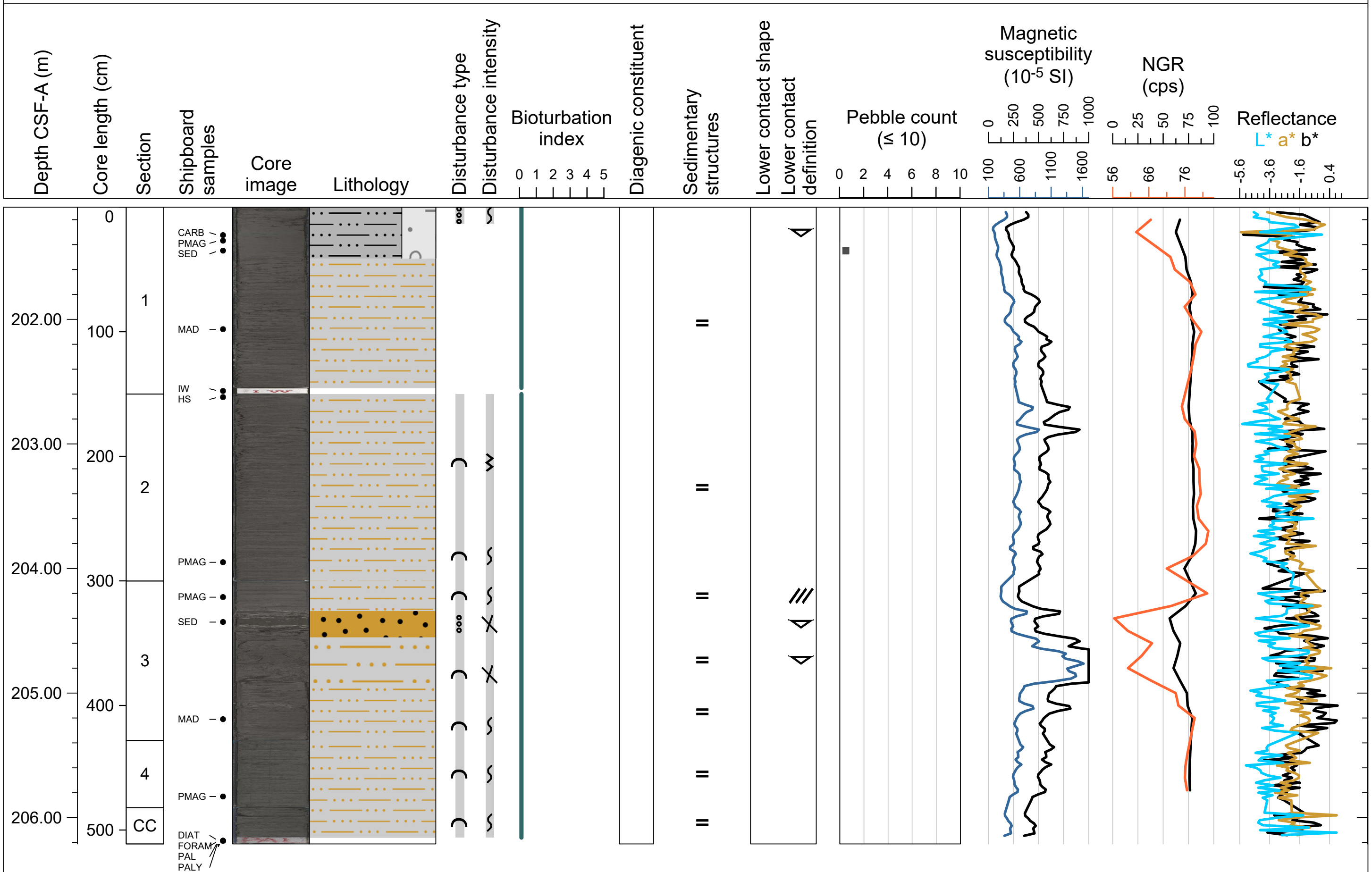
Hole 400-U1603B Core 17F, Interval 196.4-201.44 m (CSF-A)

Dark grey mud often interlaminated with sand. A single ~ 7 cm clast occurs in Section 1 where there is fall-in due to drilling disturbance, but there are otherwise very few outsized clasts. Sand laminae are between 0.1 and 1 cm thick. The sand ranges from very fine to medium in grain size. Where sand laminae do not occur, the mud is color banded.



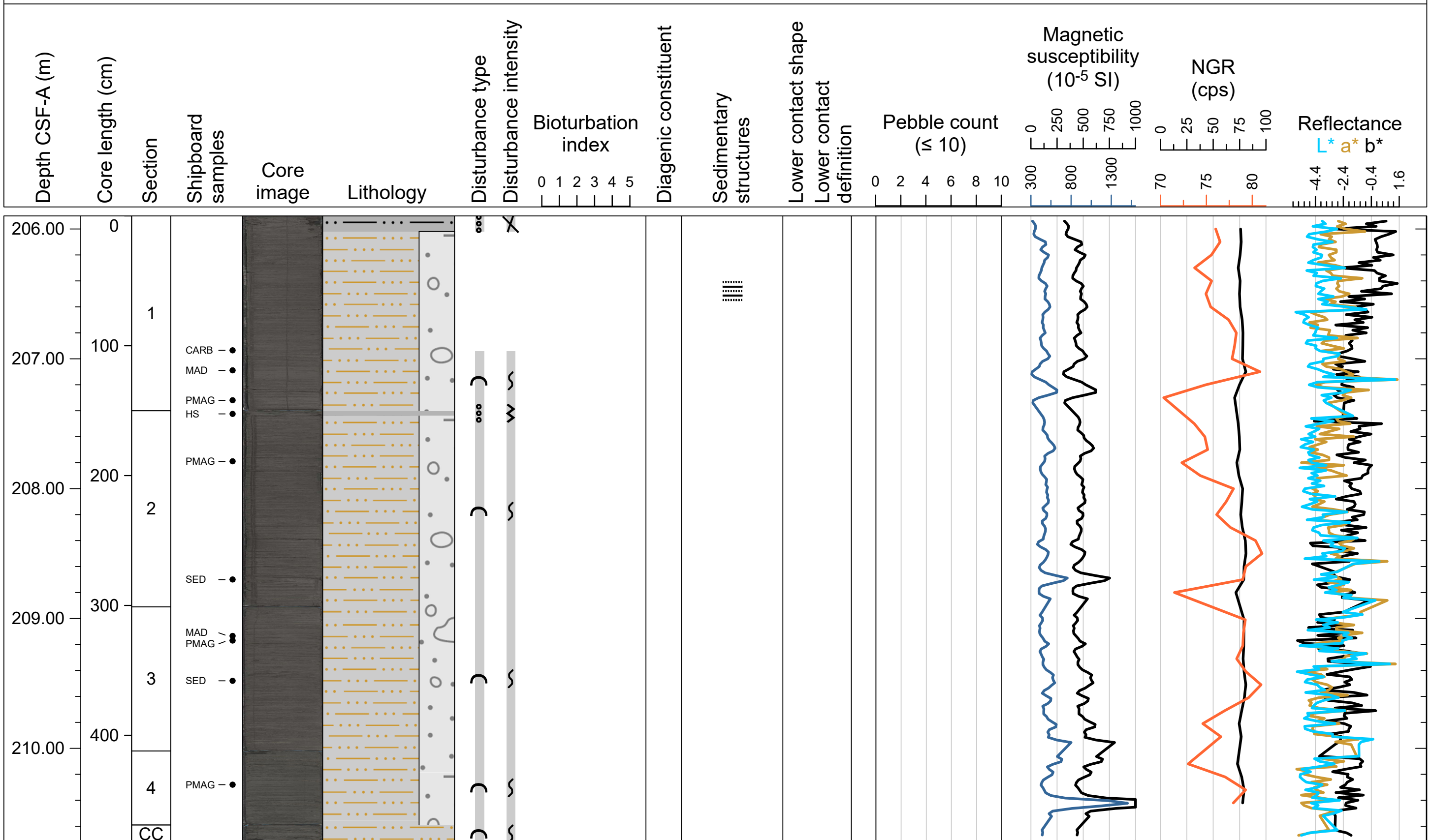
Hole 400-U1603B Core 18F, Interval 201.1-206.21 m (CSF-A)

Dark brown interlaminated mud and sand lithology throughout the core. The proportions of mud and sand (i.e., number of sand beds) varies at the decimeter to meter scale. Section 1 includes mud with dispersed clasts at the top of the section. Section 3 includes a ~40 cm thick interval of interbedded mud and sand (i.e., the sand beds are thicker; >10 cm). Disturbance was generally slight to moderate with few intervals of strong, consisting of pronounced up-arching and similar deformation along the sides.



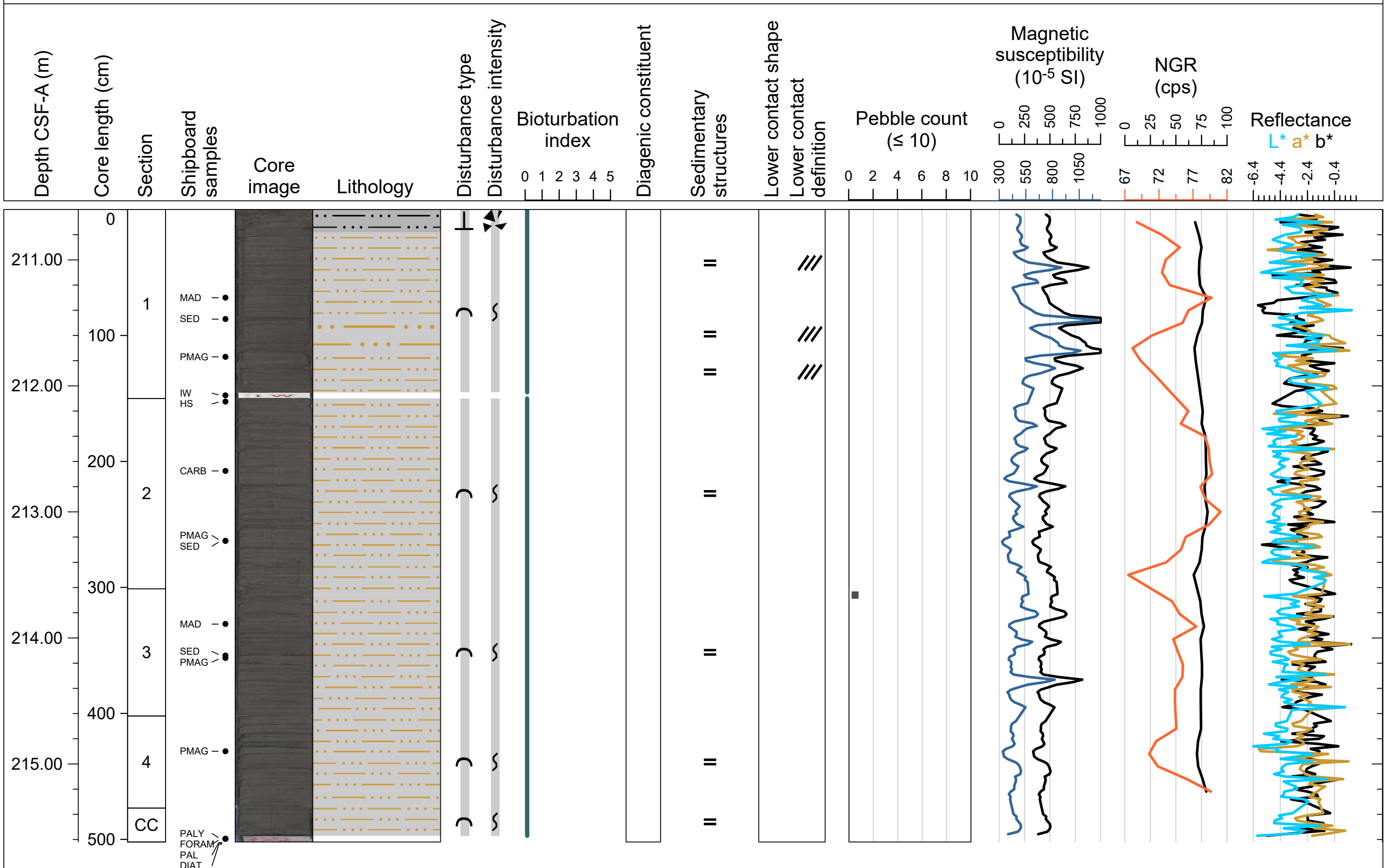
Hole 400-U1603B Core 19F, Interval 205.9-210.73 m (CSF-A)

Dark grey thickly interlaminated mud and sand with dispersed coarse red grains. The sand layers are homogeneous in composition with subangular grains dominated by quartz. Some intervals have low angle stratification.



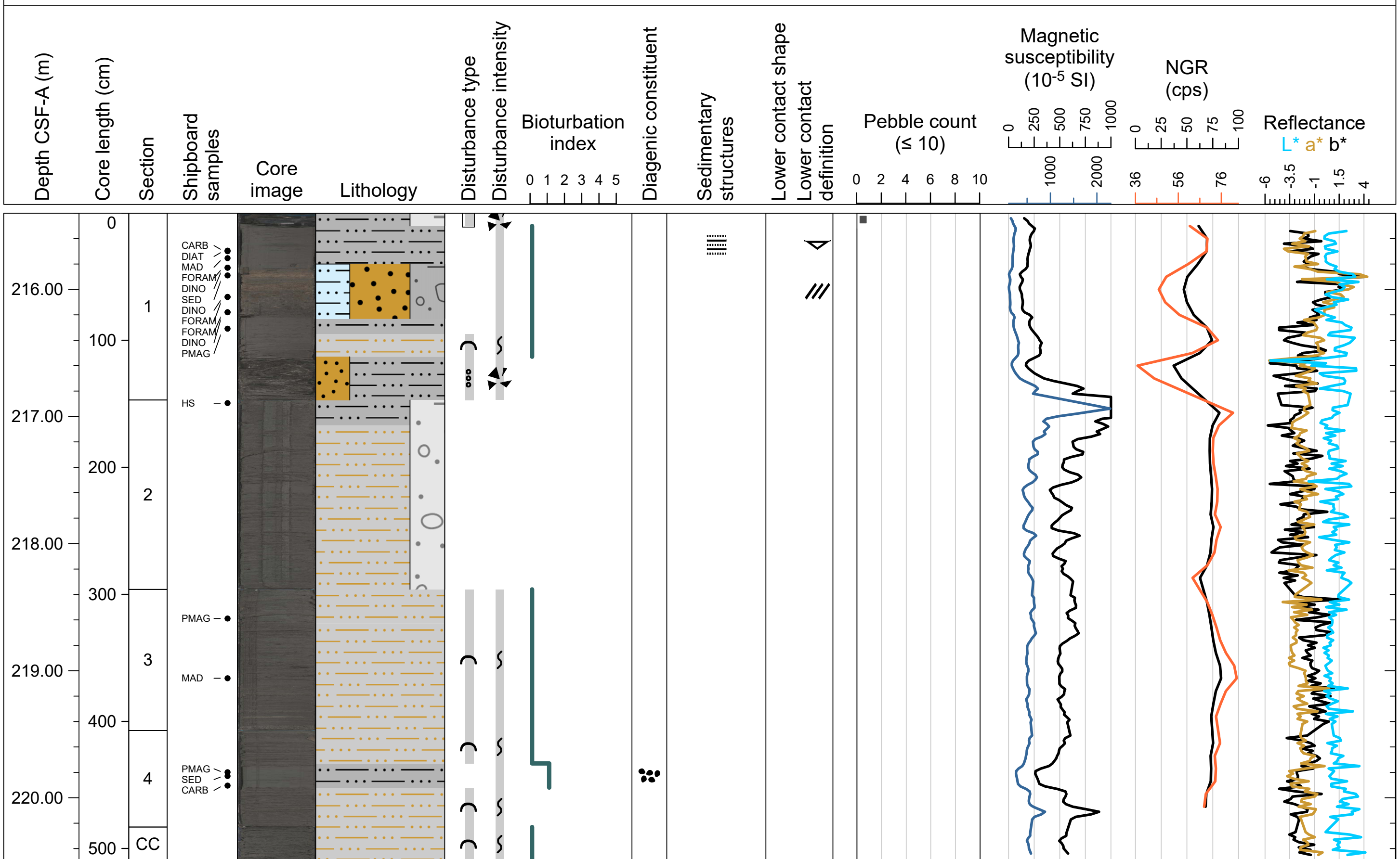
Hole 400-U1603B Core 20F, Interval 210.6-215.62 m (CSF-A)

Grey interlaminated mud and sand, with one interval where the occurrences of sand become bedded (are up to 4 cm thick) in Section 1 otherwise the sand laminae are mostly < 0.5 cm thick. Sands are very fine to medium grained.



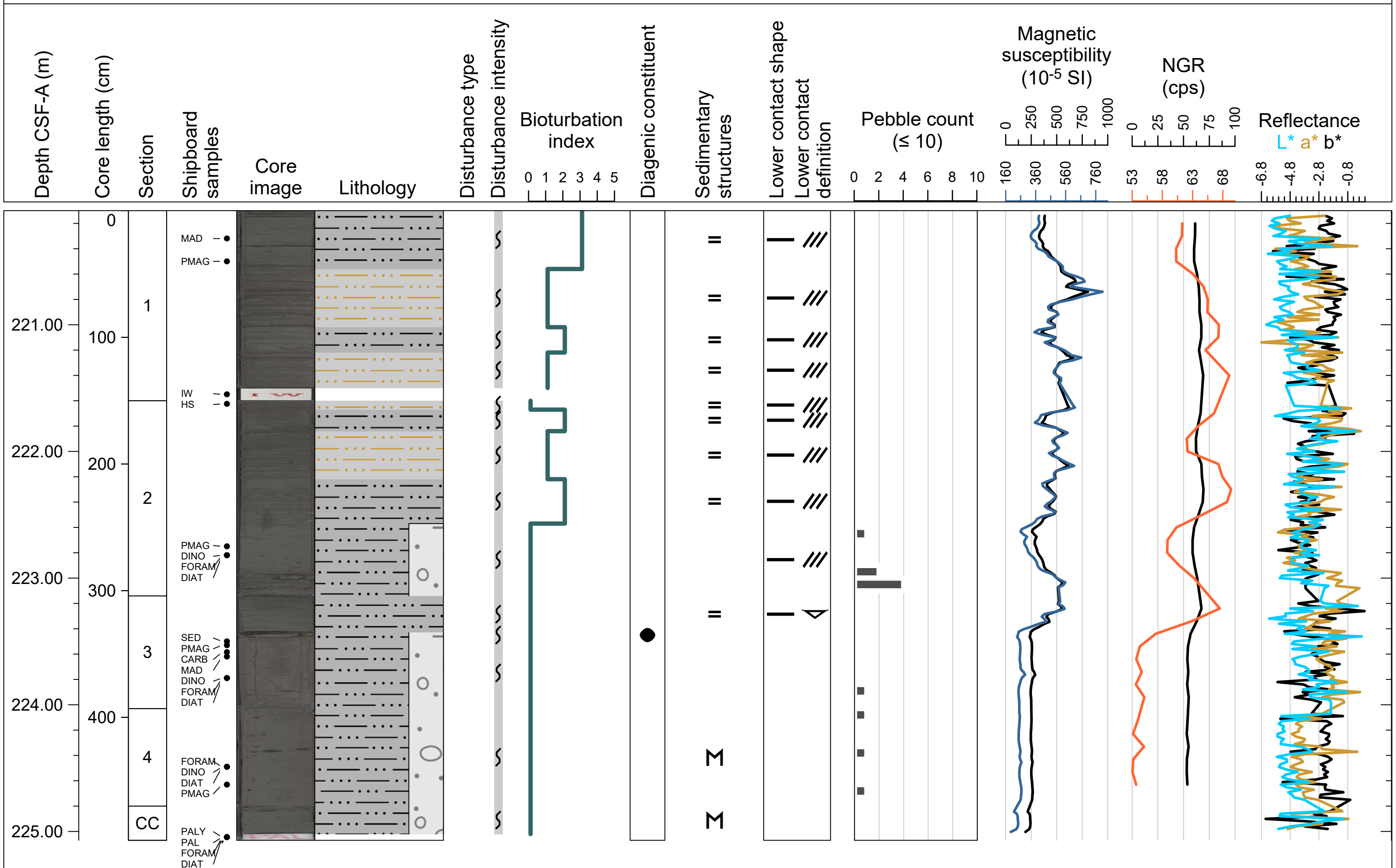
Hole 400-U1603B Core 21F, Interval 215.4-220.5 m (CSF-A)

Dark to medium greyish brown sandy mud intervals (>10 cm) alternating with homogeneous mud layers in Section 1. The rest of the core consists of inter-laminations of mud and sand with some low angle stratifications. Bioturbation is absent except for in Section 4 at 45 cm where there is sparse black mottling.



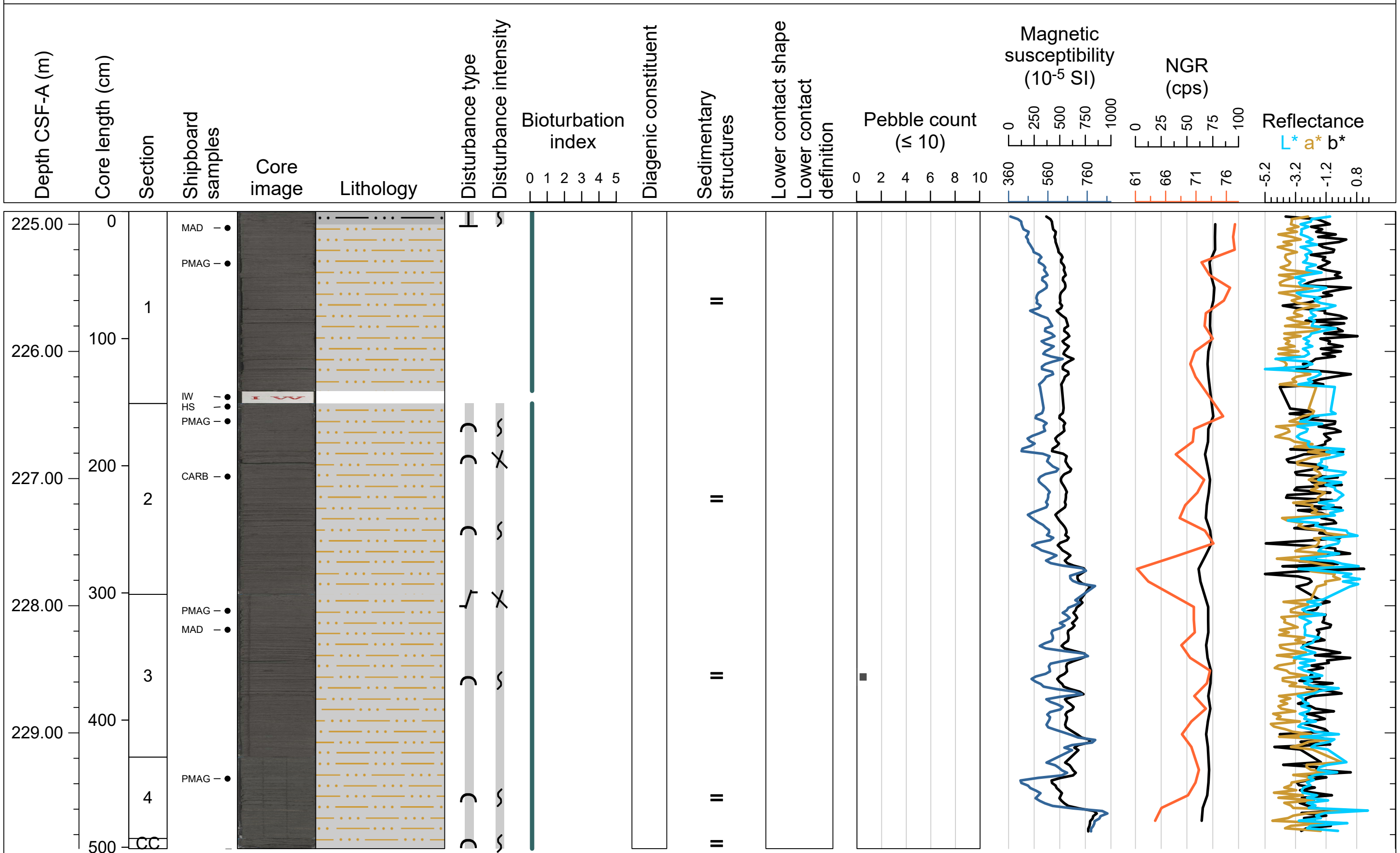
Hole 400-U1603B Core 22F, Interval 220.1-225.07 m (CSF-A)

Dark grey sand and mud, interlaminated on a mm- to cm-scale, interbedded with greenish grey mud with dispersed clasts. In Section 1 from 0 to 46 cm the mud interval contains sparse black sand laminae. Carbonate cement is present in Section 3. One diorite gneiss clast that is 3 cm in size is found in Section 2 at 97 cm.



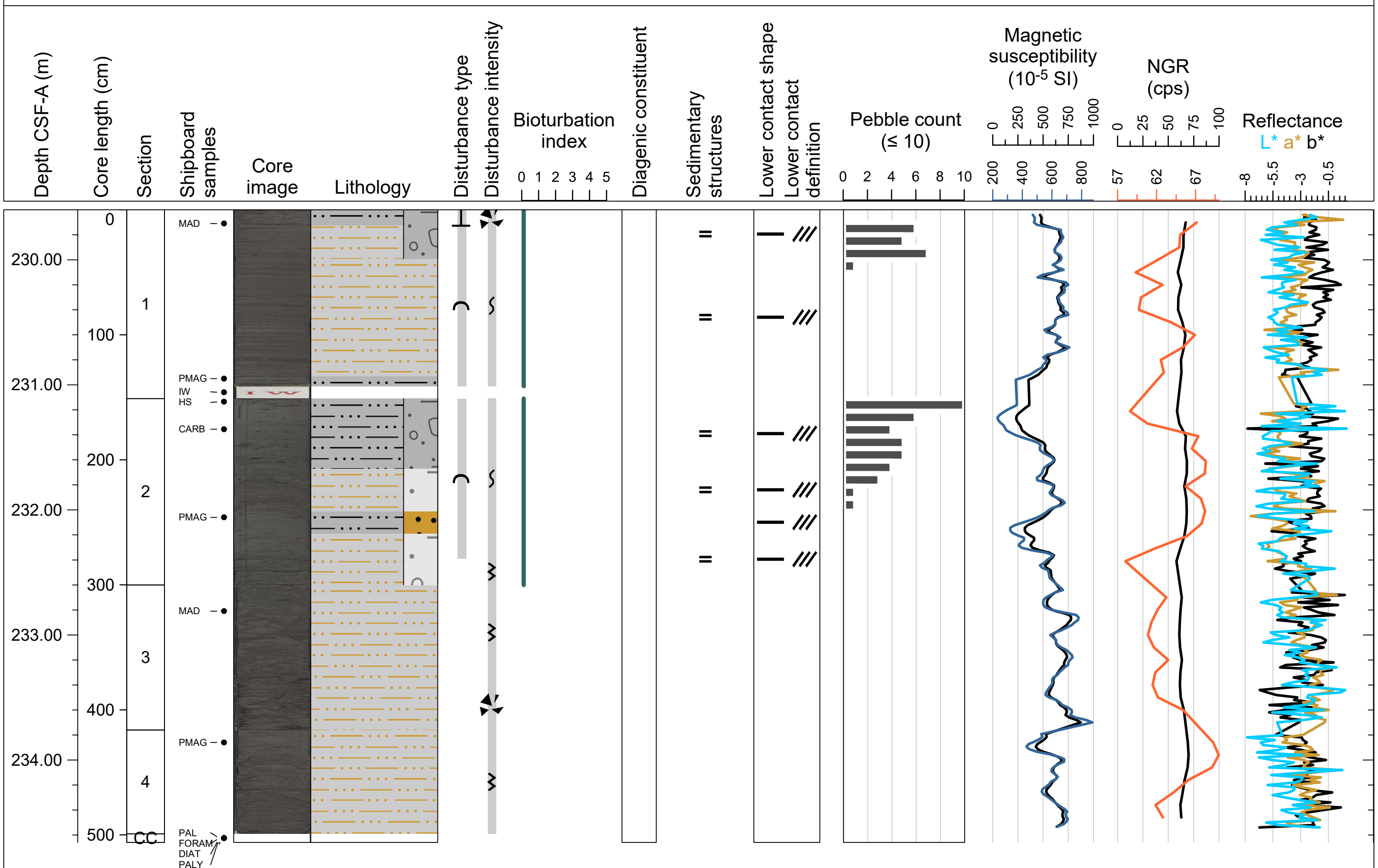
Hole 400-U1603B Core 23F, Interval 224.9-229.91 m (CSF-A)

Dark brown interlaminated mud and sand lithology throughout the entire core. The mud/sand proportions are variable with no obvious systematic pattern. Despite the core disturbance, there appears to be several intervals with low-angle inclined laminations/bedding in Section 1, 3 and 4 and at least one scour surface (underlying laminations truncated) in Section 1 at 45 cm.



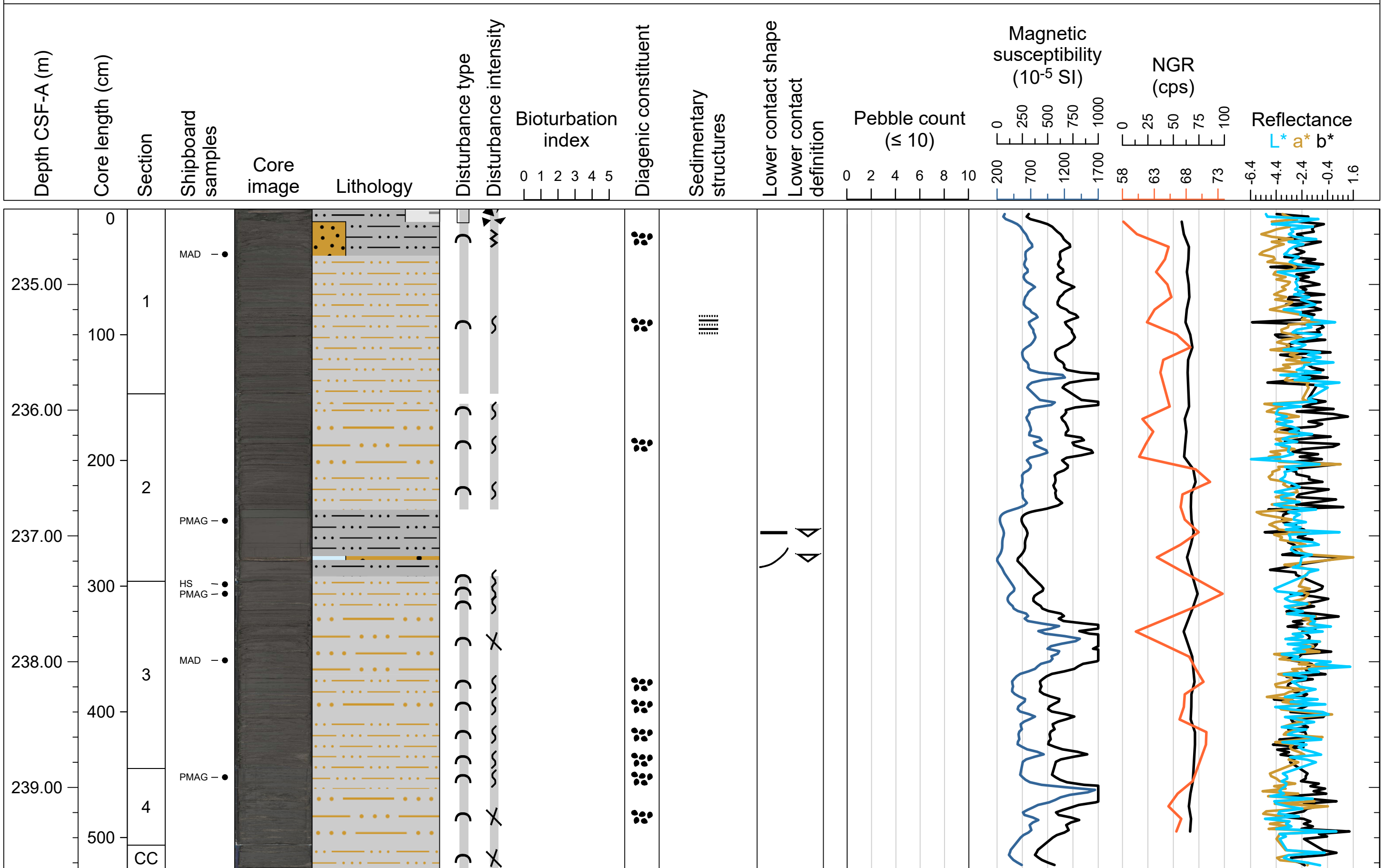
Hole 400-U1603B Core 24F, Interval 229.6-234.66 m (CSF-A)

Grey interlaminated sand and mud with sand layers more dominant and clasts are randomly interspersed within the laminae. The sandy beds grade downward into a color-banded mud. Clasts are randomly dispersed and not confined to distinct intervals. The lower part of the core appears to be interlaminated sand and mud, but has strong to severe core disturbance.



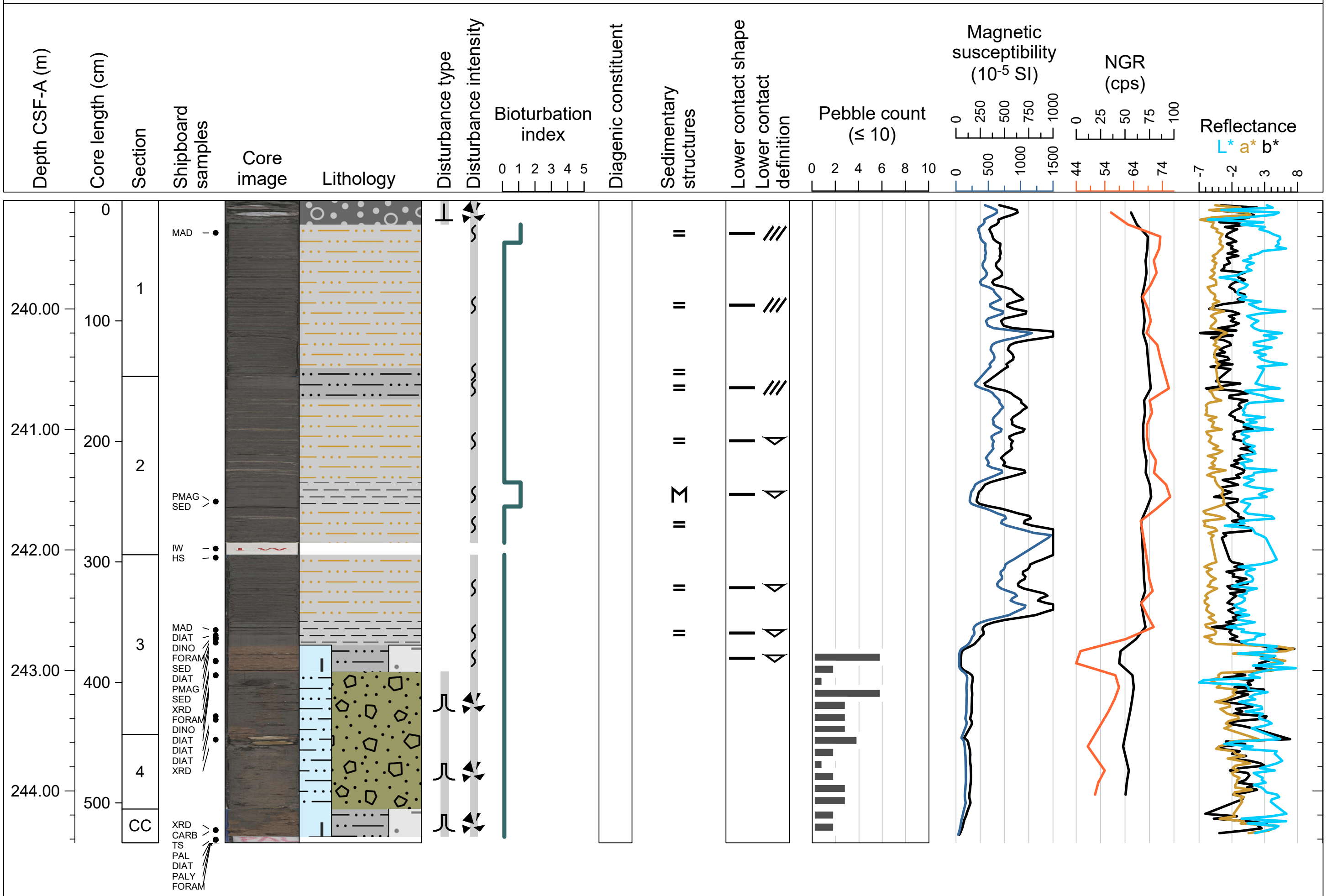
Hole 400-U1603B Core 25F, Interval 234.4-239.67 m (CSF-A)

Greyish yellow interlaminated mud and sand with intervals of sandy mud and mud. One interval of calcareous sand between homogenous mud intervals in Section 2. Slight up-arching throughout the core with a void interval due to drilling disturbance in Section 1 from 0 to 10 cm.



Hole 400-U1603B Core 26F, Interval 239.1-244.43 m (CSF-A)

Dark grey sand and mud interlaminated on a mm- to cm-scale primarily in Section 1 with some intervals in Section 2 and 3. In Section 2 and 3 there is a brown clay interval. In Section 3 through the core catcher there is brown calcareous mud with dispersed clasts and diamicton. There is severe core disturbance due to flow-in Section 3, 4, and the core catcher.



Hole 400-U1603B Core 27F, Interval 243.9-243.98 m (CSF-A)

ALL TO PAL 243.90-243.98 m

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Lithology	Disturbance type	Disturbance intensity	Bioturbation index (0 1 2 3 4 5)	Diagenic constituent	Sedimentary structures	Lower contact shape	Lower contact definition	Pebble count (≤ 10) (0 2 4 6 8 10)	Magnetic susceptibility (10^{-5} SI) (0 250 500 750 1000)	NGR (cps) (0 25 50 75 100)	Reflectance L* a* b* (0 0.25 0.5 0.75 1)
243.90	0	CC	FORAM PALY DIAT DIAT PAL													

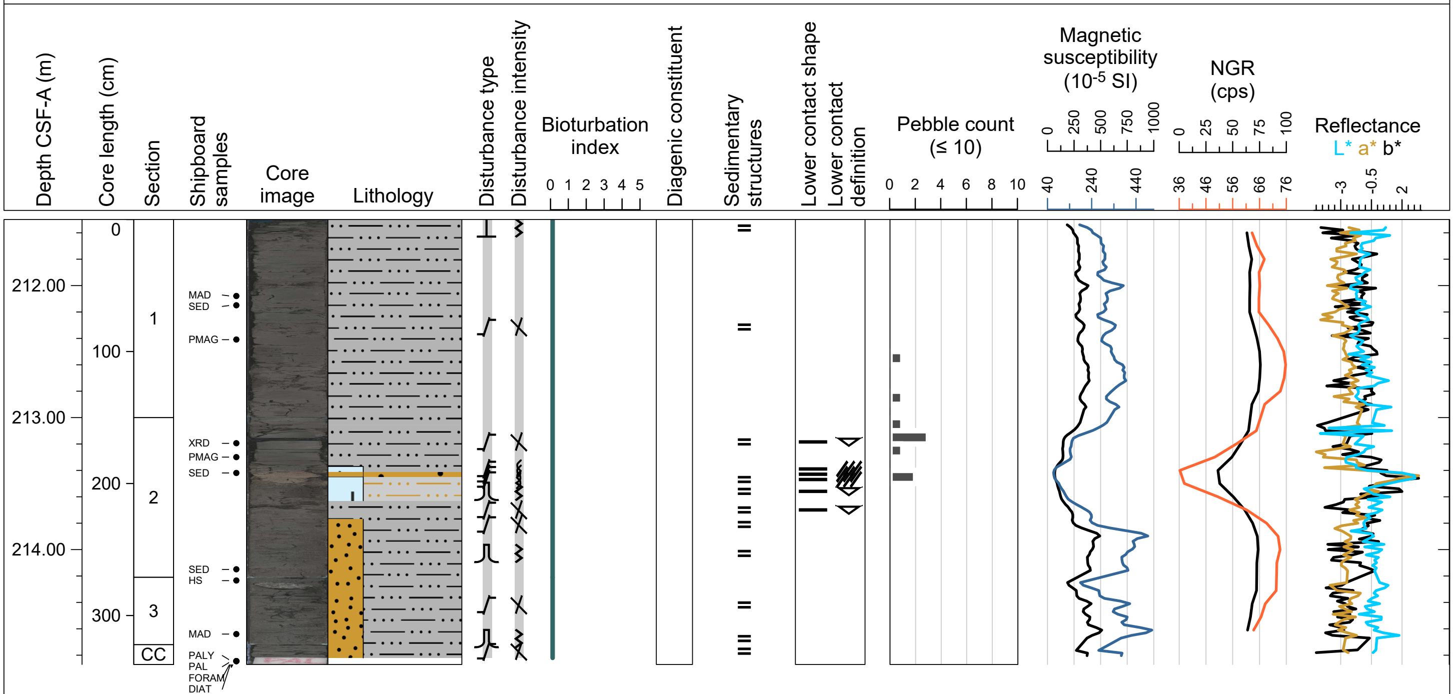
Hole 400-U1603C Core 11, Interval 0.0-0.0 m (CSF-A)

DRILLED INTERVAL 0.00-211.50 m

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Lithology	Disturbance type	Disturbance intensity	Bioturbation index (0 1 2 3 4 5)	Diagenic constituent	Sedimentary structures	Lower contact shape	Lower contact definition	Pebble count (≤ 10) (0 2 4 6 8 10)	Magnetic susceptibility (10^{-5} SI) (0 250 500 750 1000; 0 0.25 0.5 0.75 1)	NGR (cps) (0 25 50 75 100; 0 0.25 0.5 0.75 1)	Reflectance L* a* b* (0 0.25 0.5 0.75 1)

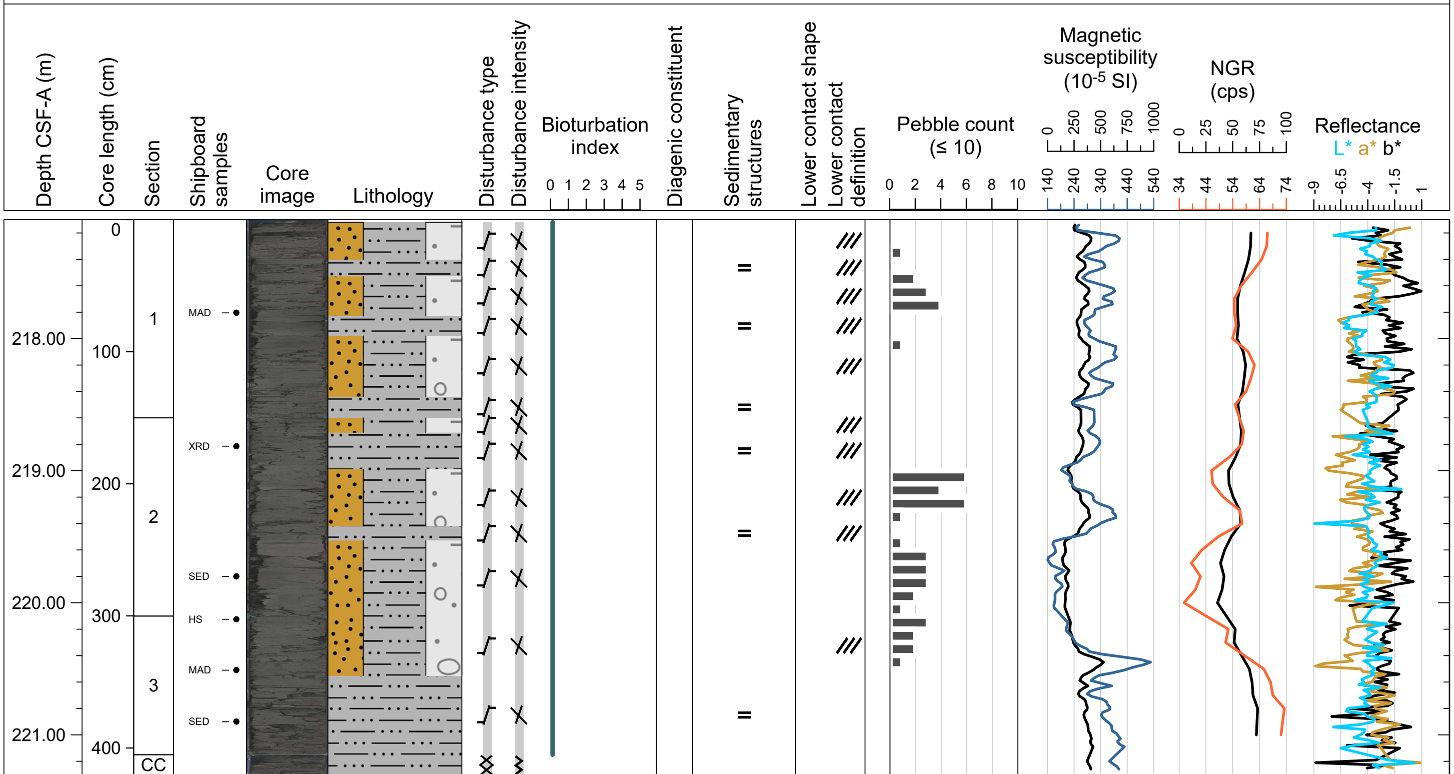
Hole 400-U1603C Core 2R, Interval 211.5-214.87 m (CSF-A)

Dark grey, finely laminated mud to sandy mud with very rare outsized clasts, mostly granitic pebbles in Section 1. No biogenic material or bioturbation. Section 2 has an ~ 20 cm thick laminated detrital carbonate interval where brown detrital carbonate laminae are interstratified with background" mud."



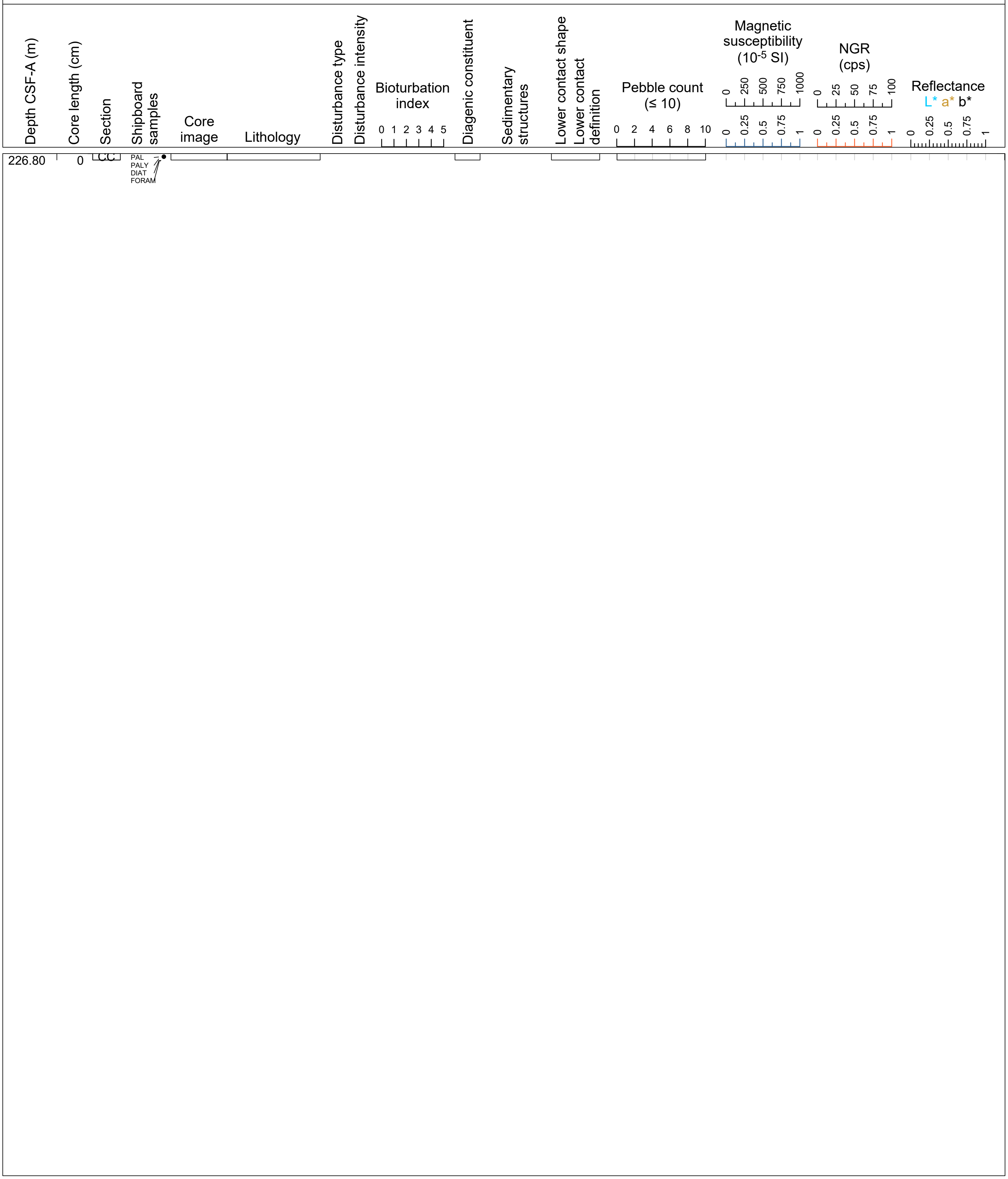
Hole 400-U1603C Core 3R, Interval 217.1-221.31 m (CSF-A)

Dark grey, finely laminated mud alternating with sandy mud with dispersed grains/clasts. No biogenic material present. Core disturbance is moderate and characterized by fractures.



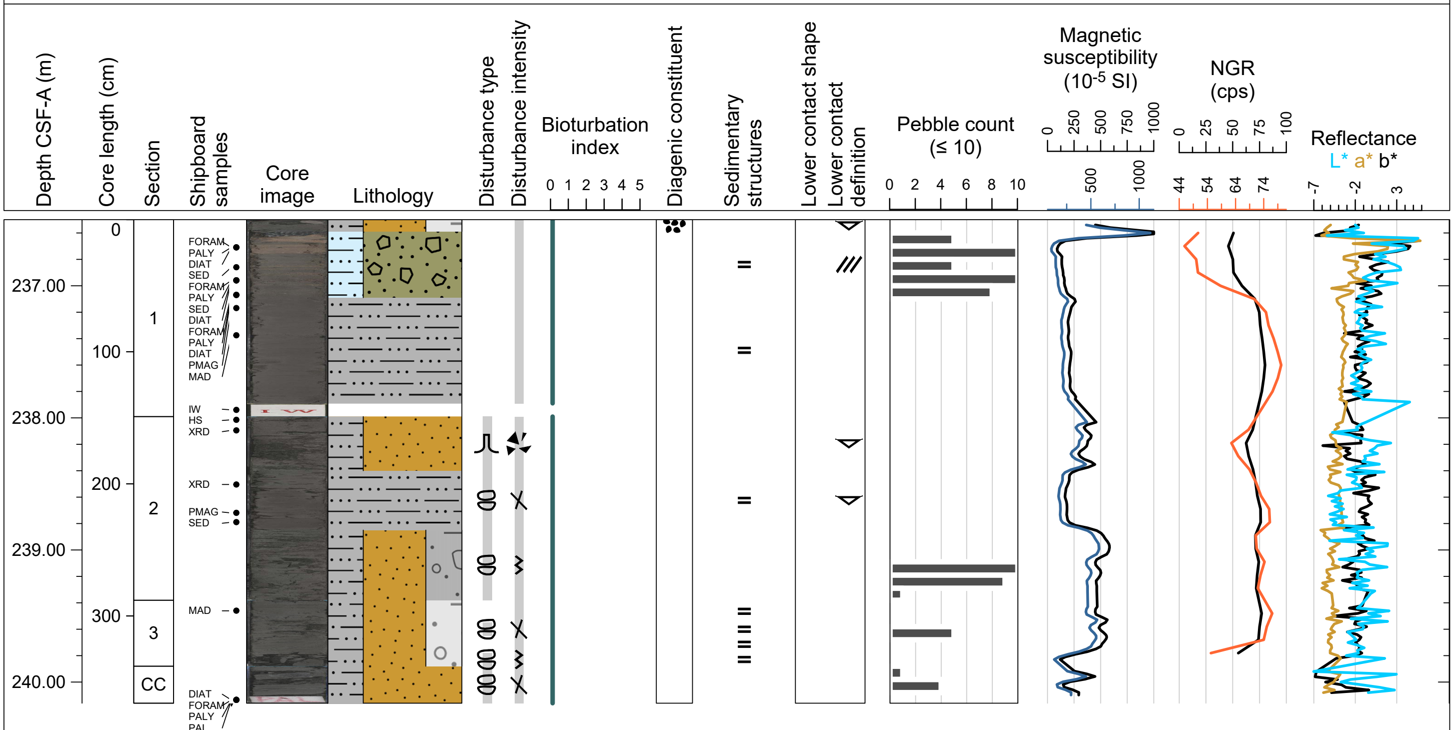
Hole 400-U1603C Core 4R, Interval 226.8-226.87 m (CSF-A)

ALL TO PAL 226.80-226.87 m



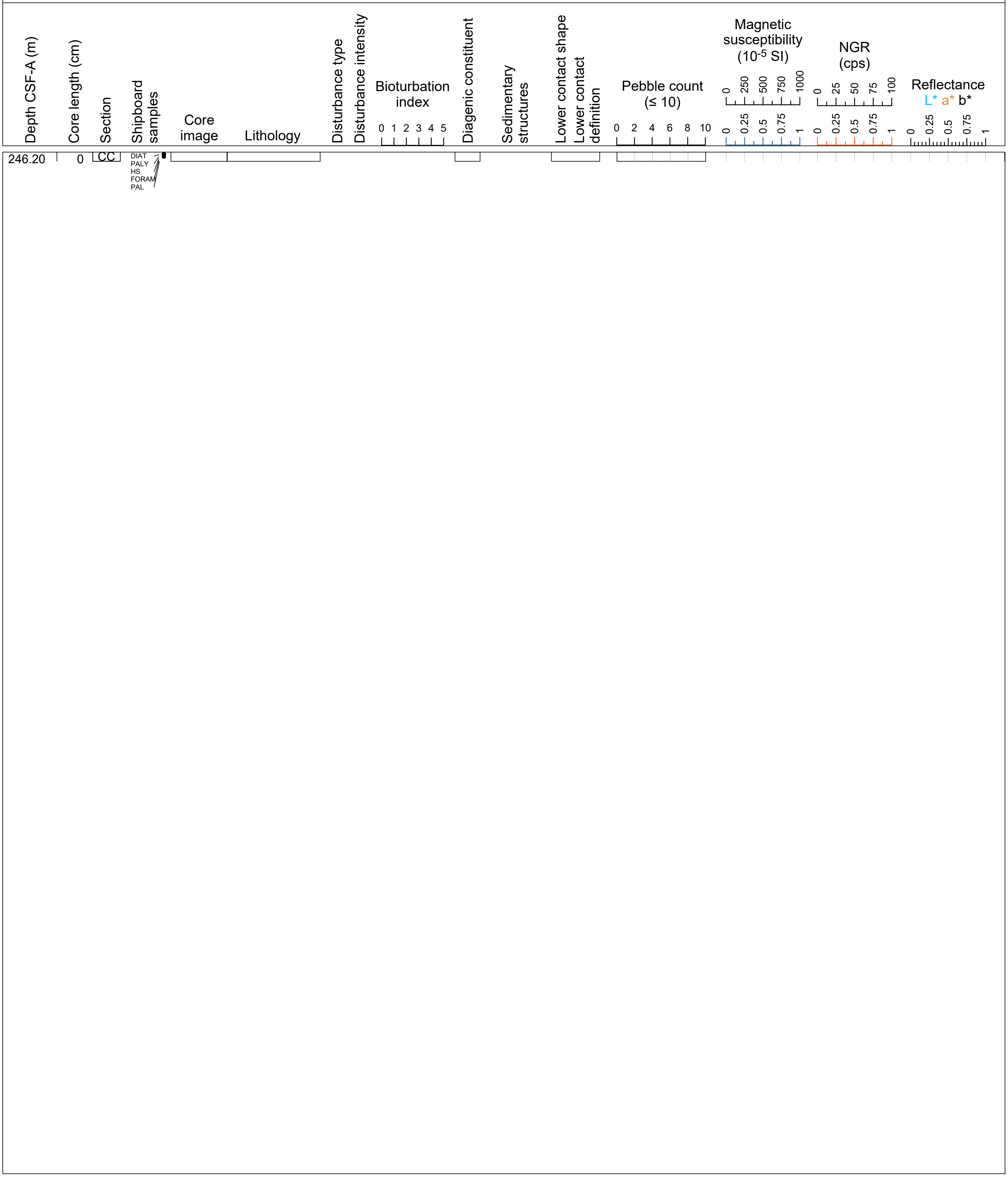
Hole 400-U1603C Core 5R, Interval 236.5-240.16 m (CSF-A)

Medium greyish brown muddy calcareous diamicton with red/dark grain at the bottom and lighter grains/carbonate clasts at the top in Section 1. The rest of the core is dark grey, finely laminated mud alternating with sandy mud with dispersed clasts. One coarse sand layer found in Section 2 at 86 cm.



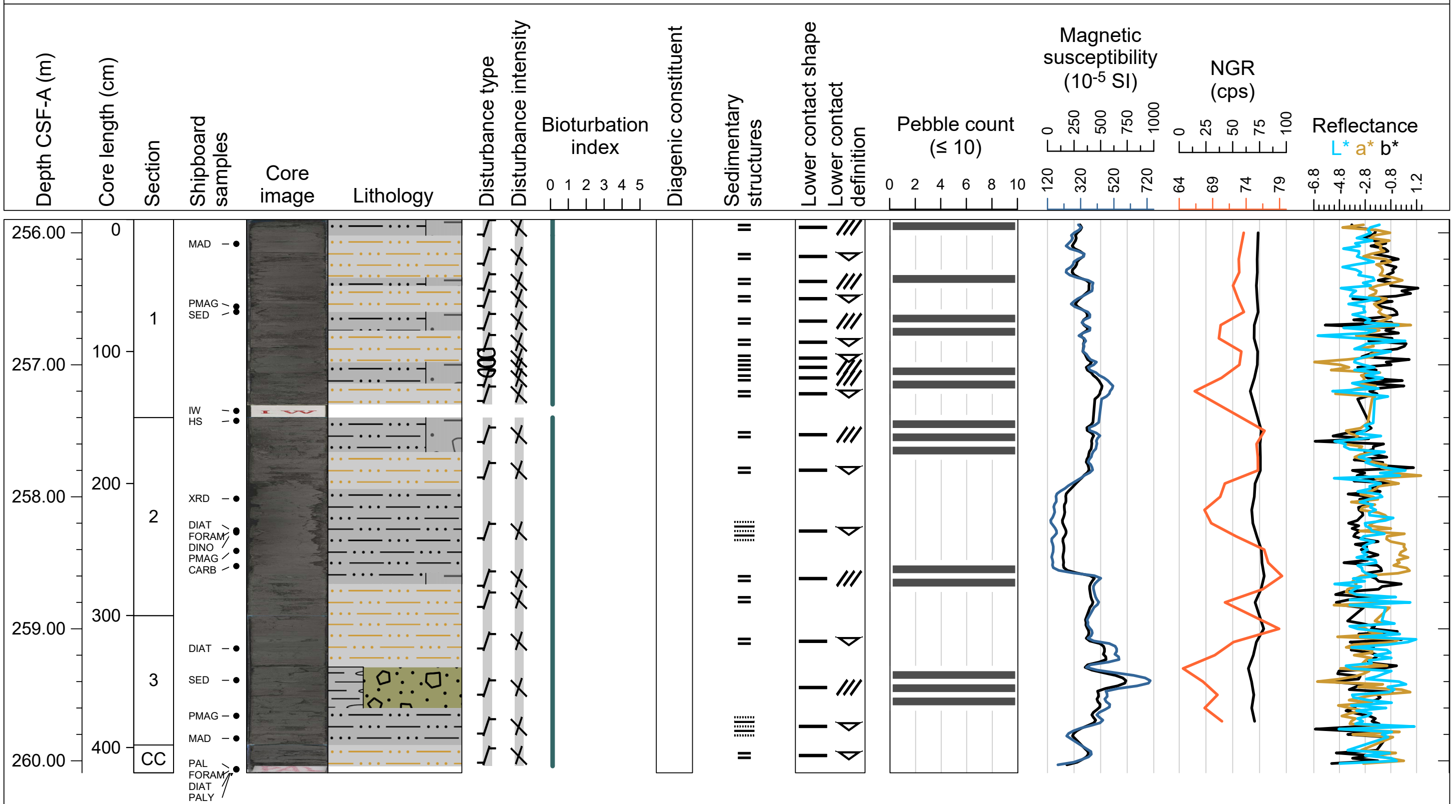
Hole 400-U1603C Core 6R, Interval 246.2-246.3 m (CSF-A)

ALL TO PAL 246.20-246.30 m



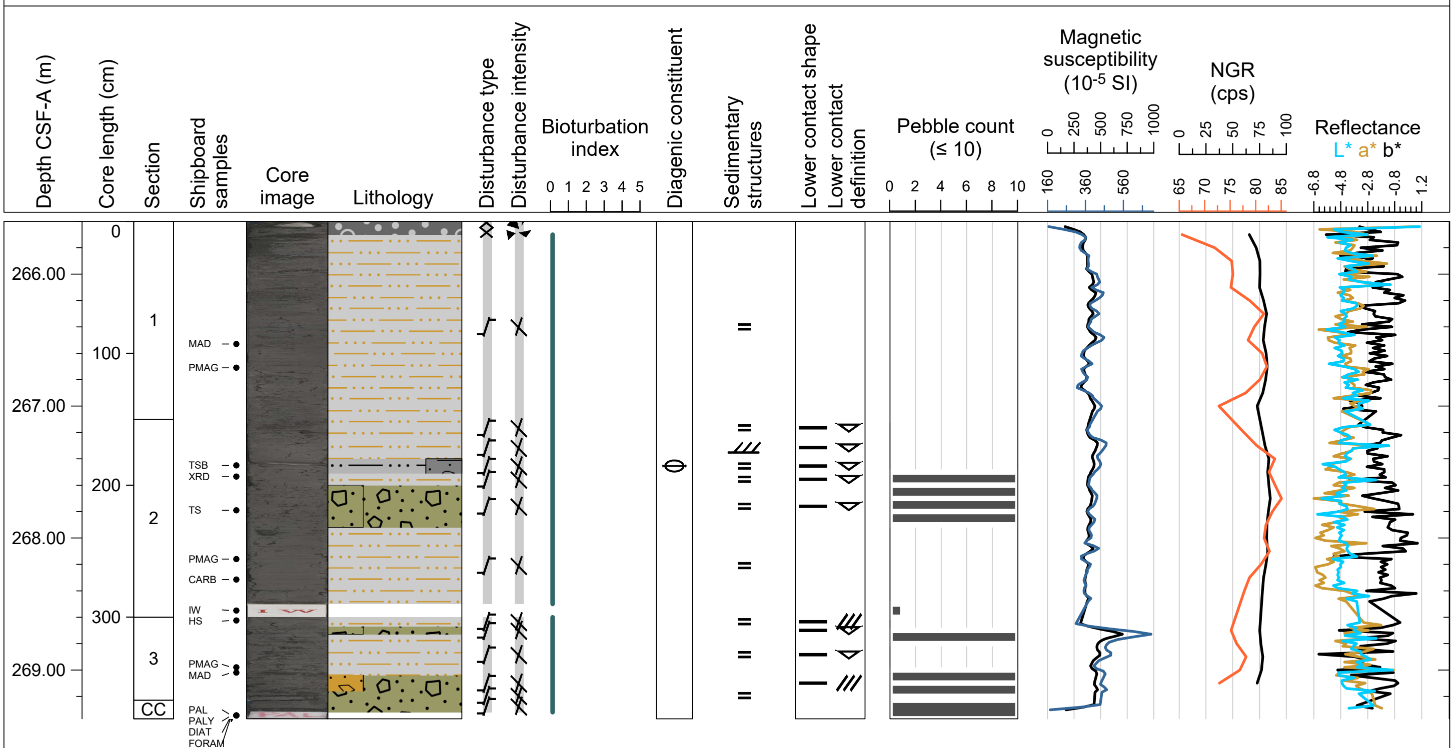
Hole 400-U1603C Core 7R, Interval 255.9-260.09 m (CSF-A)

Dark greyish yellow alternating, thinly interlaminated sand and mud with planar sharp horizontal lower contacts as well as mud with common clasts that is sand poor with a gradational lower contact (reverse grading). There are also muddy, clast rich diamicton with faint 1cm color banding and lower contact gradational over 3-5cm (reverse grading) found in Section 3. A possible soft shell fragment is found in Section 1. Moderate drilling disturbance throughout as fractures, brecciated edges and fractured along bedding planes.



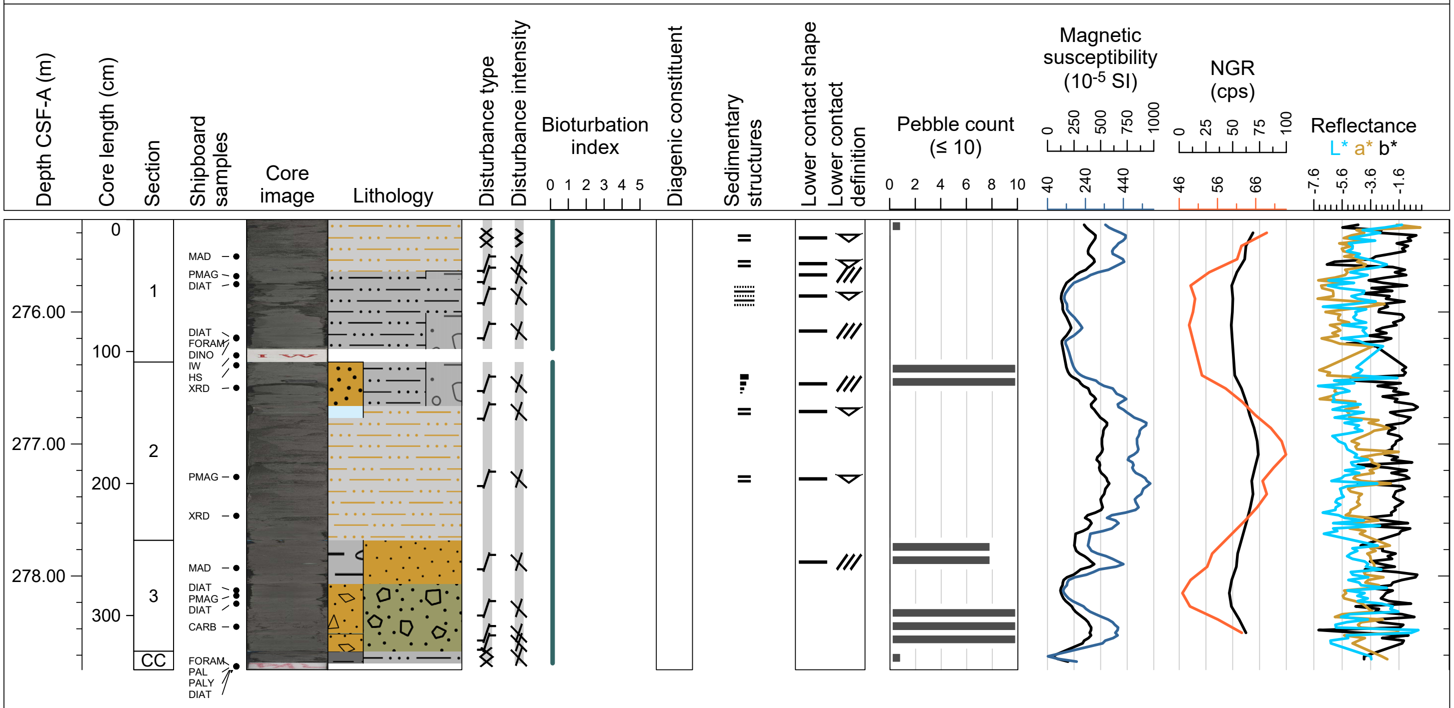
Hole 400-U1603C Core 8R, Interval 265.6-269.37 m (CSF-A)

Dark grey, interlaminated mud and sand alternating with laminated mud with abundant clasts, and massive to laminated clast-poor, muddy to sandy diamicton. Several contacts between lithologies are sharp-based whereas others are clearly gradational. A cemented interval (concretion) occurs at 34 cm in Section 2. A dolomite clast occurs in Section 1 in an interval of severe drilling disturbance.



Hole 400-U1603C Core 9R, Interval 275.3-278.71 m (CSF-A)

Dark greyish yellow thinly interlaminated sand and mud with planar sharp horizontal lower contacts. There are also common-clasts to clast-rich mud/sandy mud/ muddy /sand mud with the lower contact gradational over 3-5 cm (reverse grading). In Section 2 there is a carbonate cemented interval while in Section 3 there is a calcareous pink grey bleb observed. Moderate drilling disturbance throughout as fractures, brecciated edges and fractured along bedding planes.



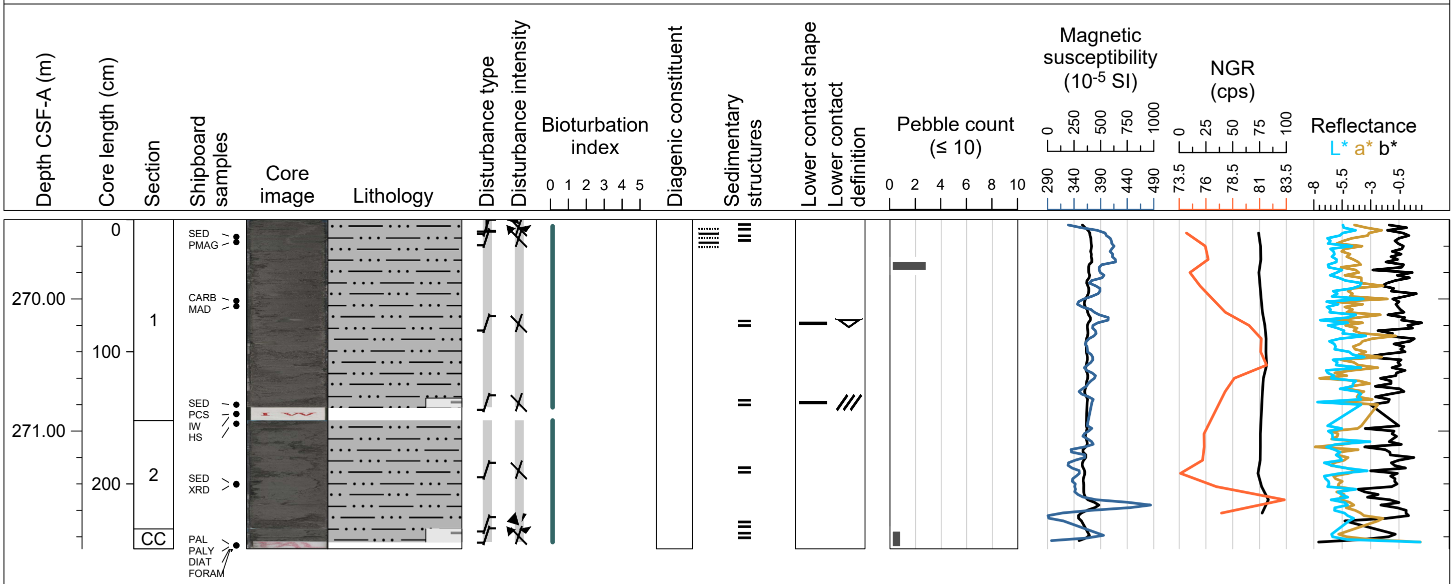
Hole 400-U1603D Core 11, Interval 0.0-0.0 m (CSF-A)

DRILLED INTERVAL 0.00-269.40 m

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Lithology	Disturbance type	Disturbance intensity	Bioturbation index (0 1 2 3 4 5)	Diagenic constituent	Sedimentary structures	Lower contact shape	Lower contact definition	Pebble count (≤ 10) (0 2 4 6 8 10)	Magnetic susceptibility (10^{-5} SI) (0 250 500 750 1000; 0 0.25 0.5 0.75 1)	NGR (cps) (0 25 50 75 100; 0 0.25 0.5 0.75 1)	Reflectance L* a* b* (0 0.25 0.5 0.75 1)

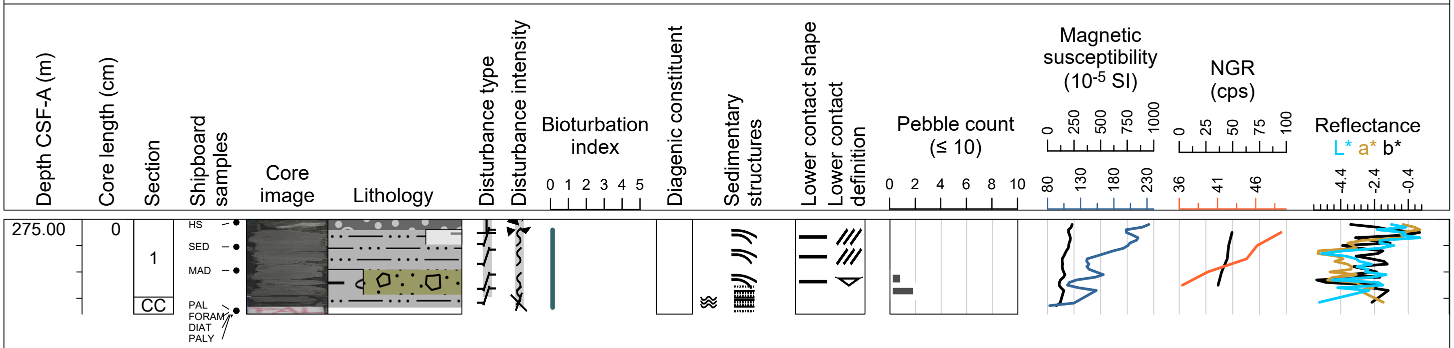
Hole 400-U1603D Core 2R, Interval 269.4-271.89 m (CSF-A)

Very dark grey laminated mud and mud with dispersed sand and granule-small pebble-sized clasts. The laminations are expressed as parting on bedding. Black color banding is observed in Section 1. Moderate fracturing throughout the core with severe fracturing in Section 2 and severe fall-in in Section 1 in the first 5 cm.



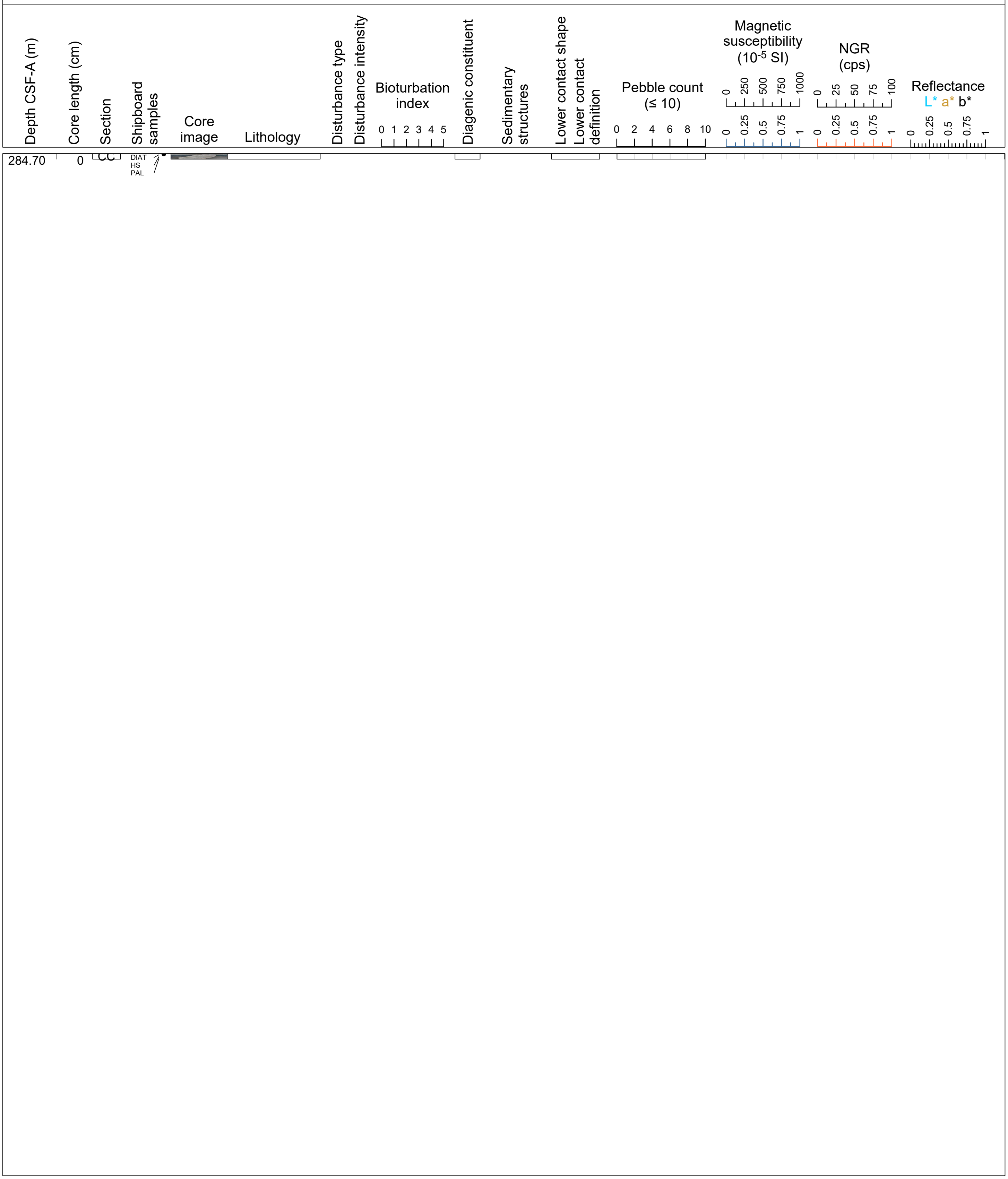
Hole 400-U1603D Core 3R, Interval 275.0-275.72 m (CSF-A)

Dark greenish grey mud with dispersed clasts and clast-poor diamicton, sharply overlying very dark grey faintly laminated mud. Color banding of black and reddish color is observed in the mud in the core catcher. Slight fracturing throughout the core with severe fall-in in Section 1 in the upper 8 cm.



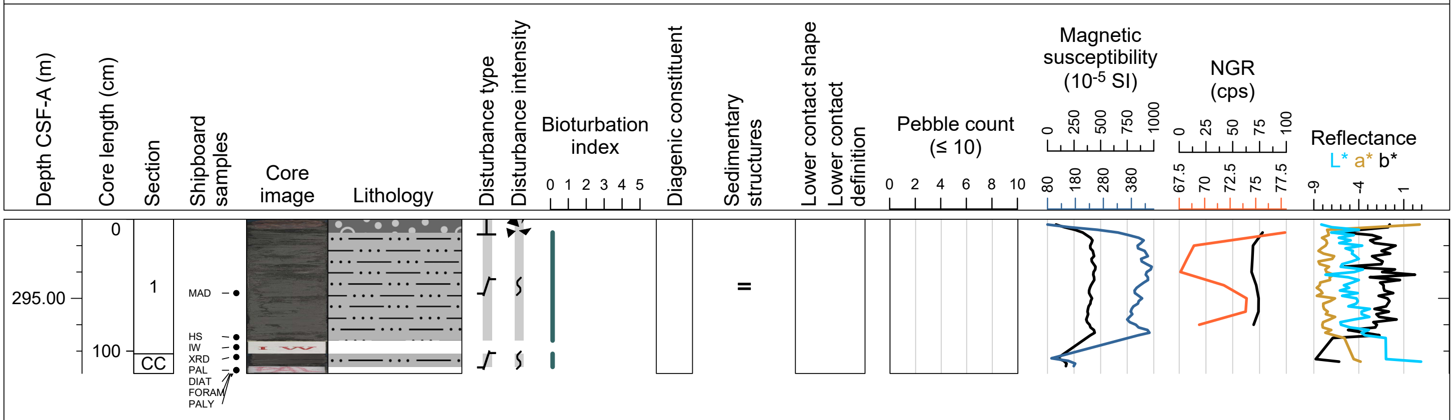
Hole 400-U1603D Core 4R, Interval 284.7-284.76 m (CSF-A)

This core consists of only a 6 cm long core catcher, which contains a granite clast (likely fall-in)



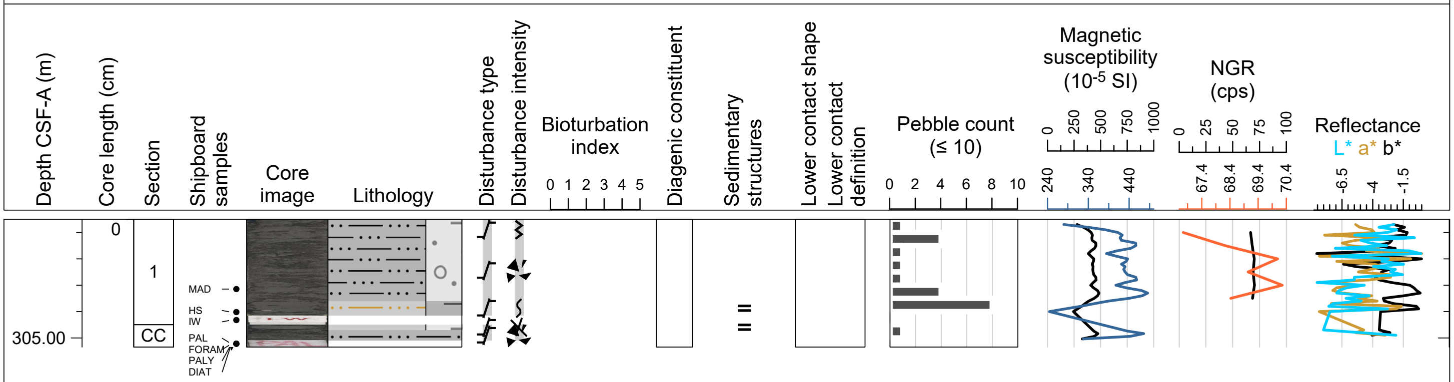
Hole 400-U1603D Core 5R, Interval 294.4-295.57 m (CSF-A)

Dark-gray laminated mud in Section 1 to brownish-gray, non-laminated mud in the core catcher. There is no biogenic material or apparent bioturbation.



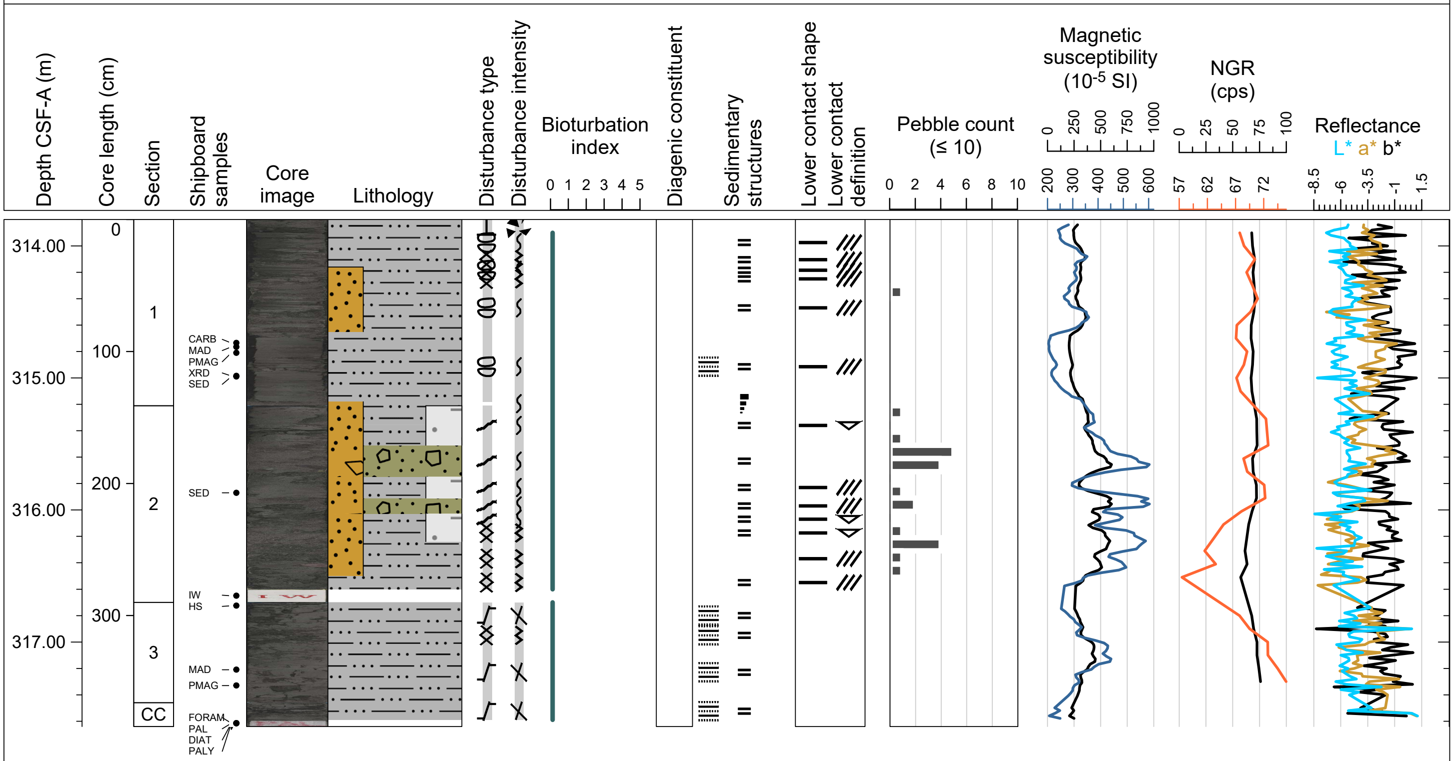
Hole 400-U1603D Core 6R, Interval 304.1-305.07 m (CSF-A)

Dark greyish brown mud with dispersed clasts and thinly to thickly interlaminated sand with common clast. The coarse sand contains red and black grains. The fracturing ranges from slight to severely throughout the core.



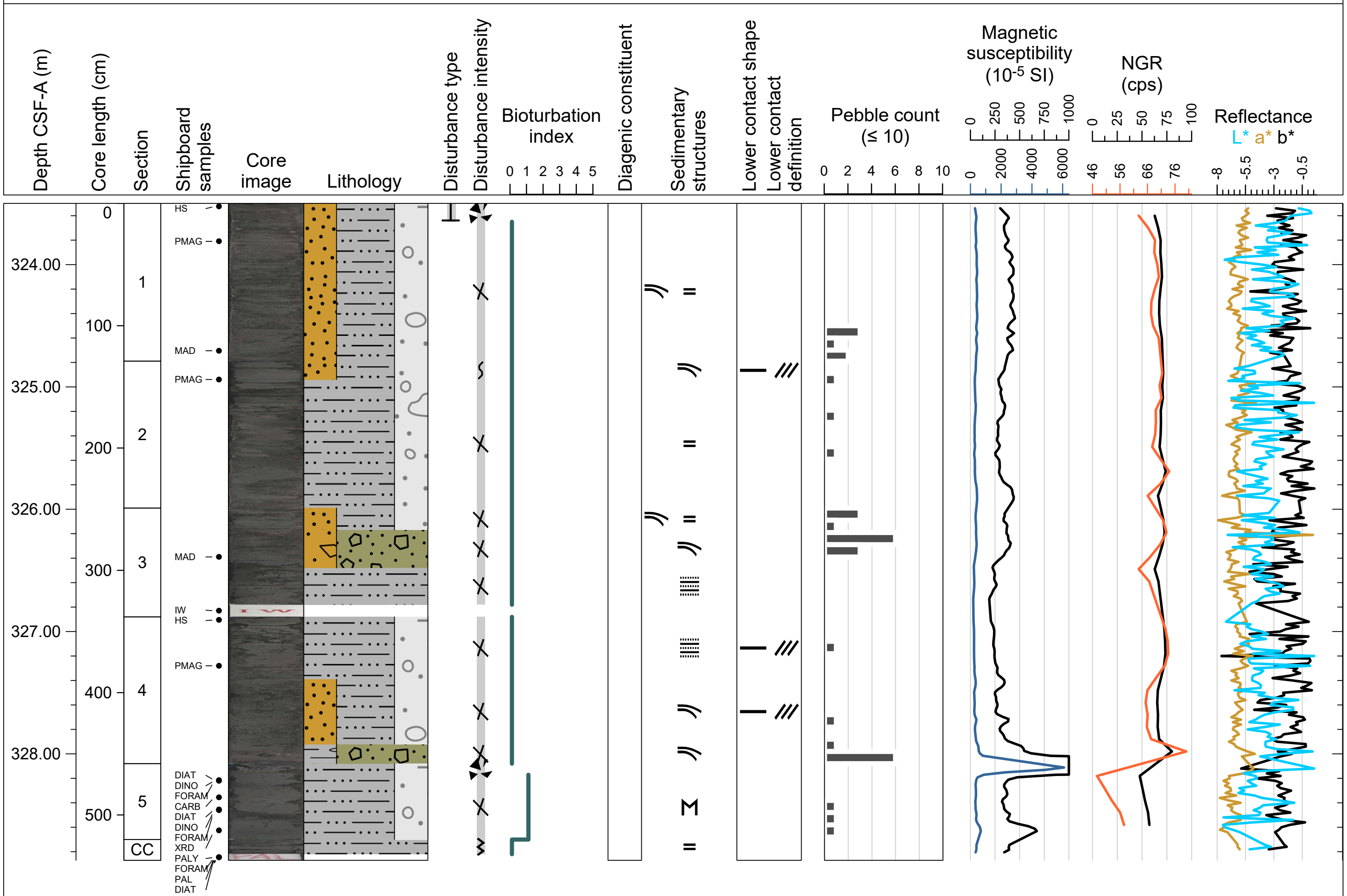
Hole 400-U1603D Core 7R, Interval 313.8-317.64 m (CSF-A)

Grey mud and sandy mud with thin laminations and some intervals with dispersed clast. In Section 2 there are intervals of sandy, clast poor diamicton. The clasts consist of granules and pebbles up to 4 cm in diameters. There is slight to strong drilling disturbance consisting of cracks, biscuiting, and brecciated with severe fall-in in Section 1 in the upper 10 cm.



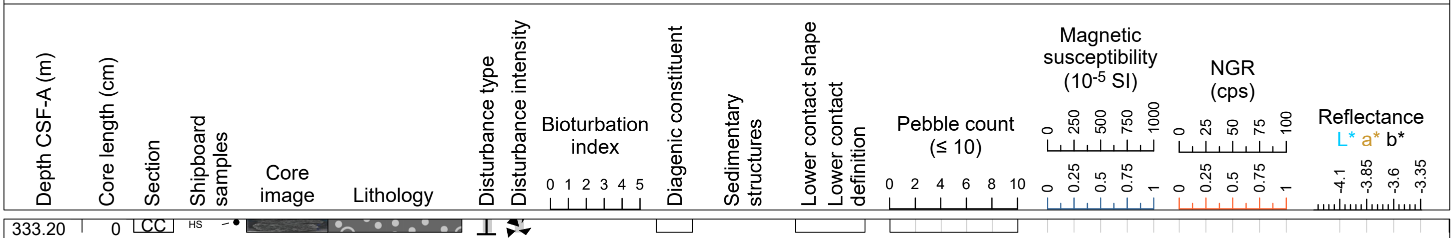
Hole 400-U1603D Core 8R, Interval 323.5-328.87 m (CSF-A)

Very dark grey interbedded stratified sandy mud with dispersed clasts and clast-poor diamicton. An interbed of dark greenish grey, weakly bioturbated mud, possibly mottling is also present in Section 5. Black and reddish color banding is observed as well in Section 3 and 4. In Section 1 there is a broken gneiss diorite clast that is in the interval of severe drilling disturbance due to fall-in. There is a dark fine-grained mafic igneous clast at least 4 cm in diameter found in Section 5.



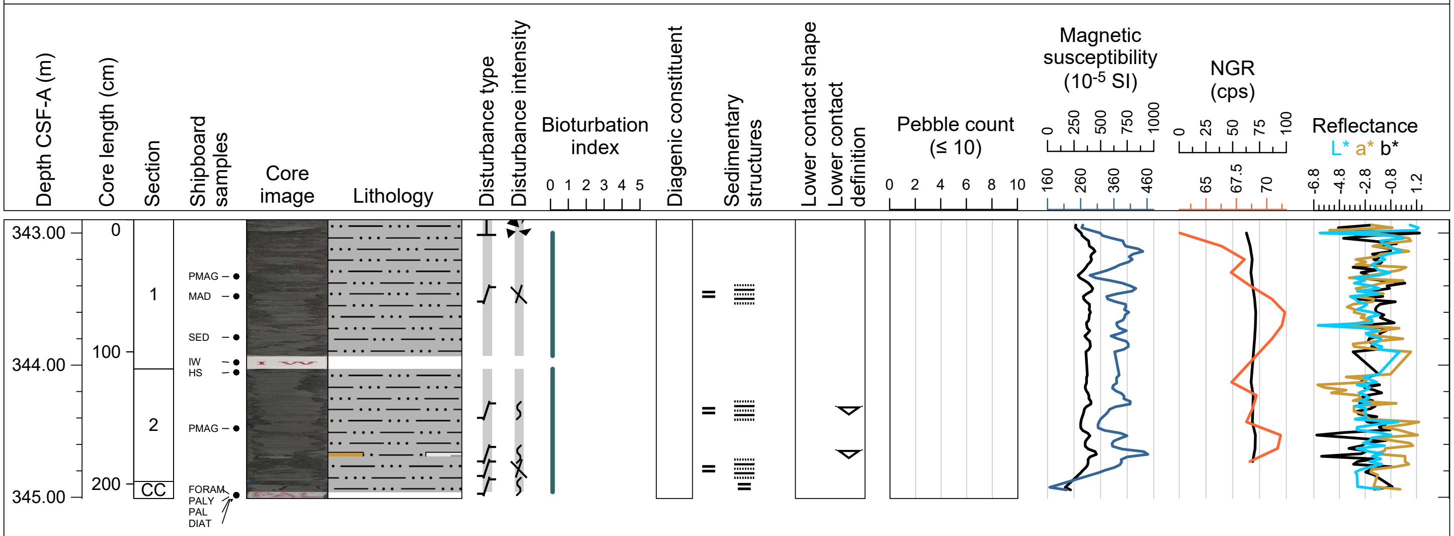
Hole 400-U1603D Core 9R, Interval 333.2-333.3 m (CSF-A)

Fall-in. Clasts of diorite.



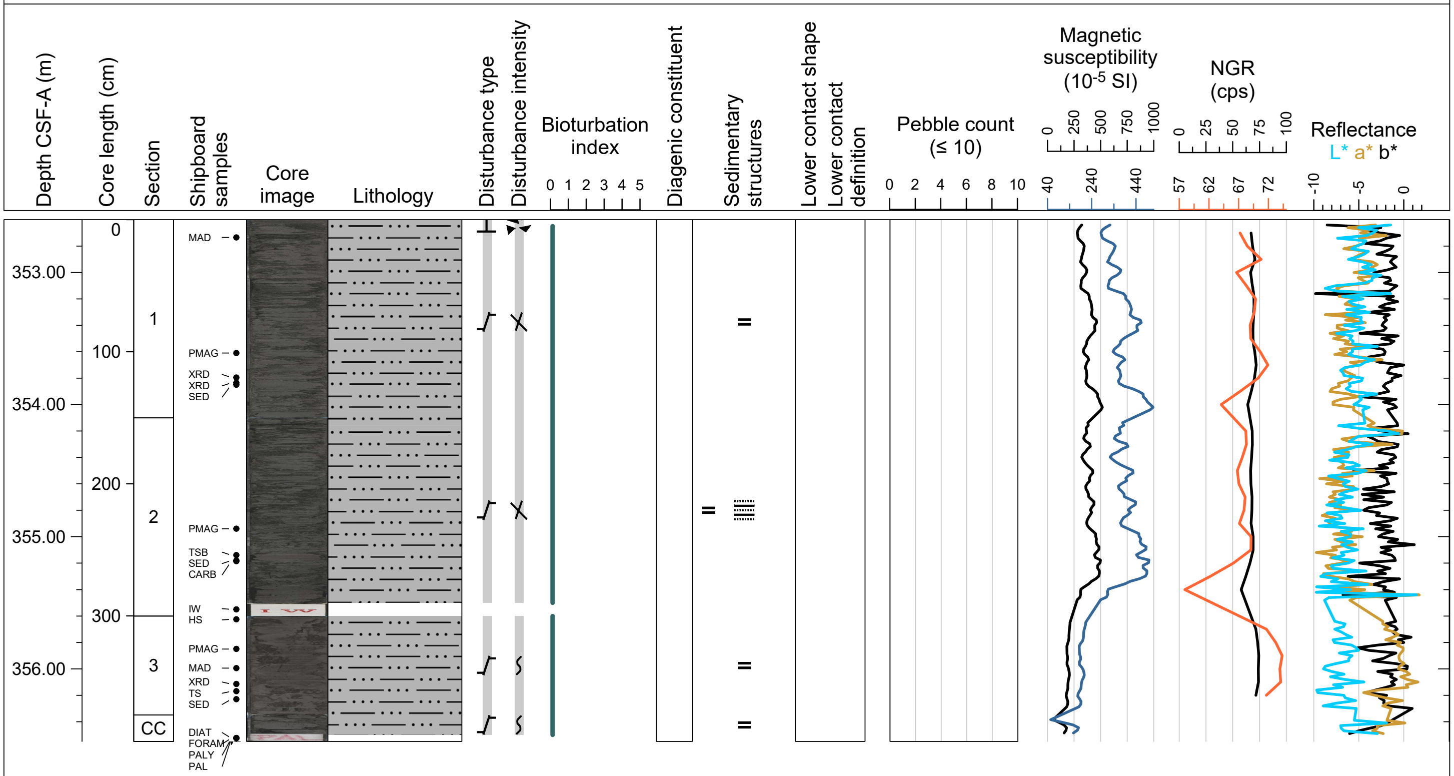
Hole 400-U1603D Core 10R, Interval 342.9-345.01 m (CSF-A)

Dark greyish-brown mud with mm-scale parallel laminations, some color banding, and rare load structures. Section 2 has rare sand-sized (and one small pebble-sized intraclasts) within the laminated mud. Section 2 also contains a thin (2 cm) bed of sandy mud with dispersed grains. Bioturbation is absent throughout the core. The drilling disturbance is severe in Section 1 and slight to moderate fracuring throughout the rest of the core.



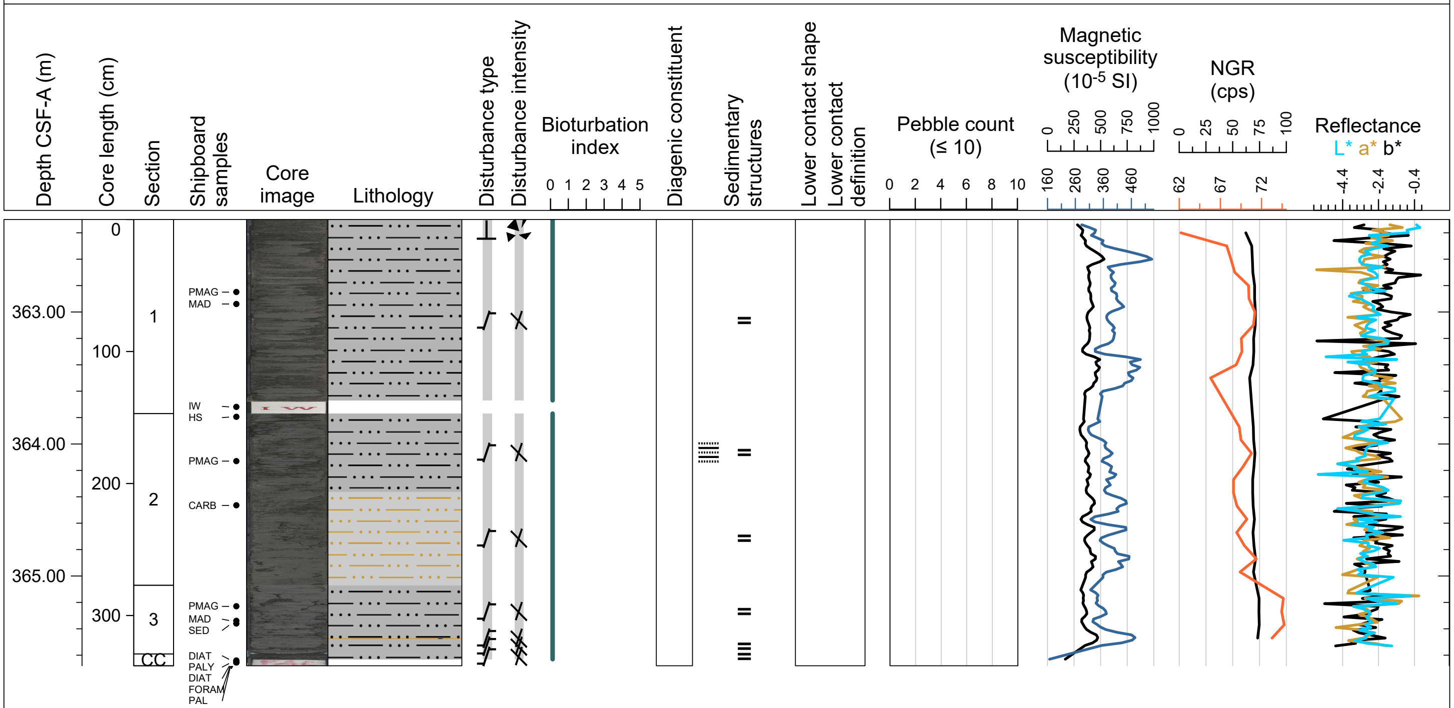
Hole 400-U1603D Core 11R, Interval 352.6-356.55 m (CSF-A)

Dark greyish-brown mud with mm-scale parallel laminations and color banding. Better-cemented intervals reveal the mm-scale sedimentary structures of this facies, which is dominantly parallel lamination but with rare truncation surfaces and very thin (<3 mm) ripple cross-lamination. Bioturbation is absent. Severe drilling disturbance in Section 1 in the upper 5 cm. Slight to moderate drilling disturbance as fracturing throughout the rest of the core.



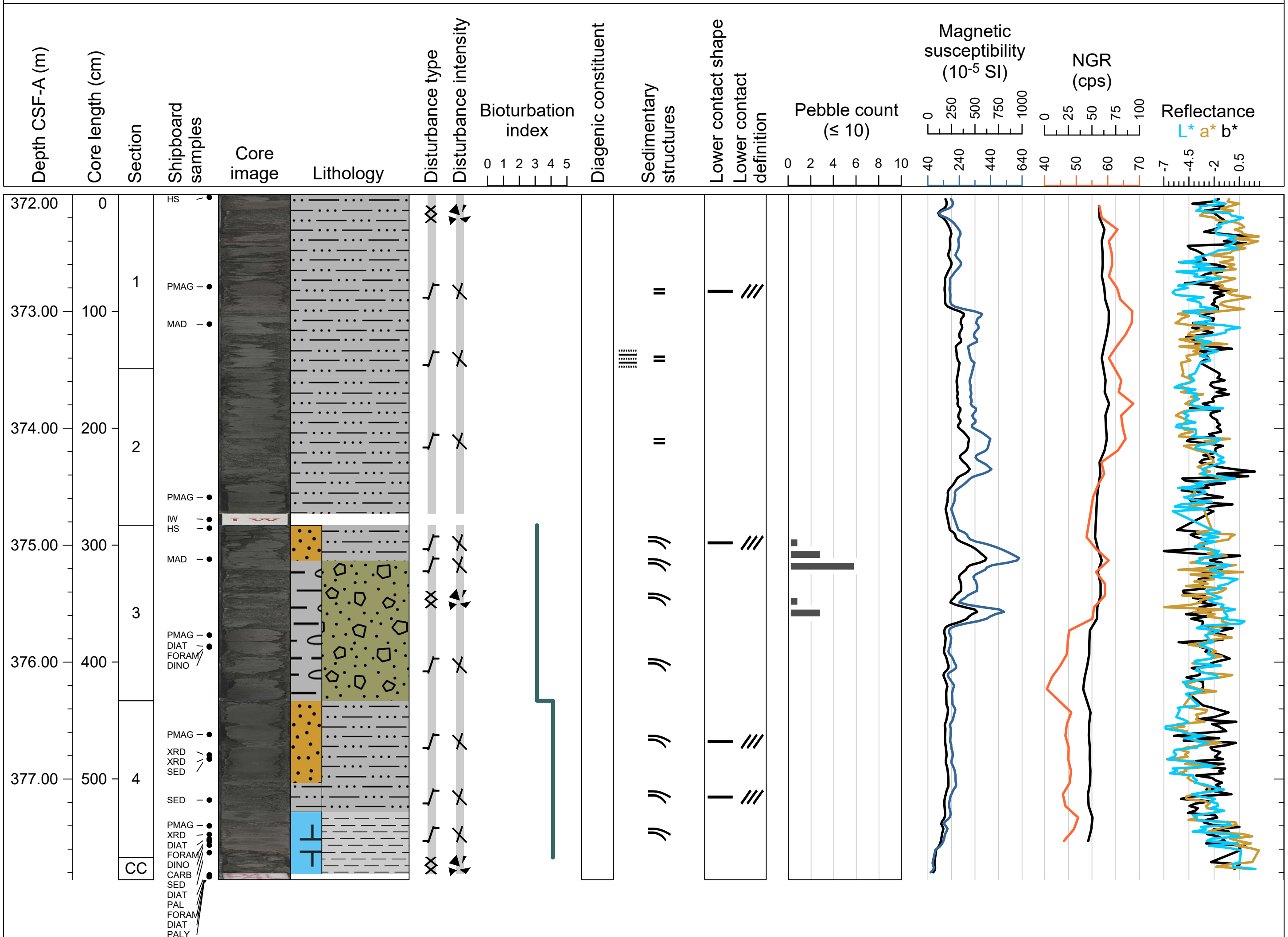
Hole 400-U1603D Core 12R, Interval 362.3-365.68 m (CSF-A)

Dark greyish-brown mud with mm-scale parallel laminations and black color banding. There is moderate drilling disturbance, and soft sediment deformation is present. No bioturbation.



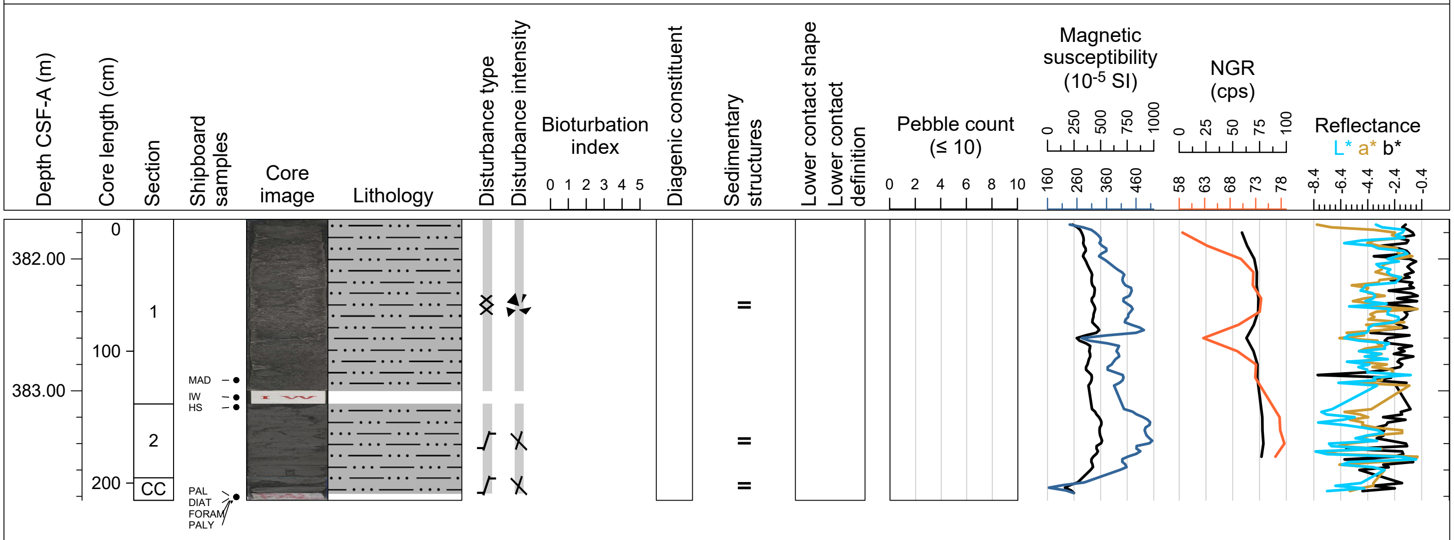
Hole 400-U1603D Core 13R, Interval 372.0-377.86 m (CSF-A)

Dark grey mud with thin parallel laminations and color banding, grey sandy mud, dark grey clast poor muddy diamicton, light grey foraminifer-bearing sandy mud with straight gradational lower contact and medium brown calcareous foraminifer-rich clay. All lithologies except the dark grey mud have faint/disrupted stratification as well as moderate to complete bioturbation with burrows present. Moderate to severe drilling disturbance throughout the core.



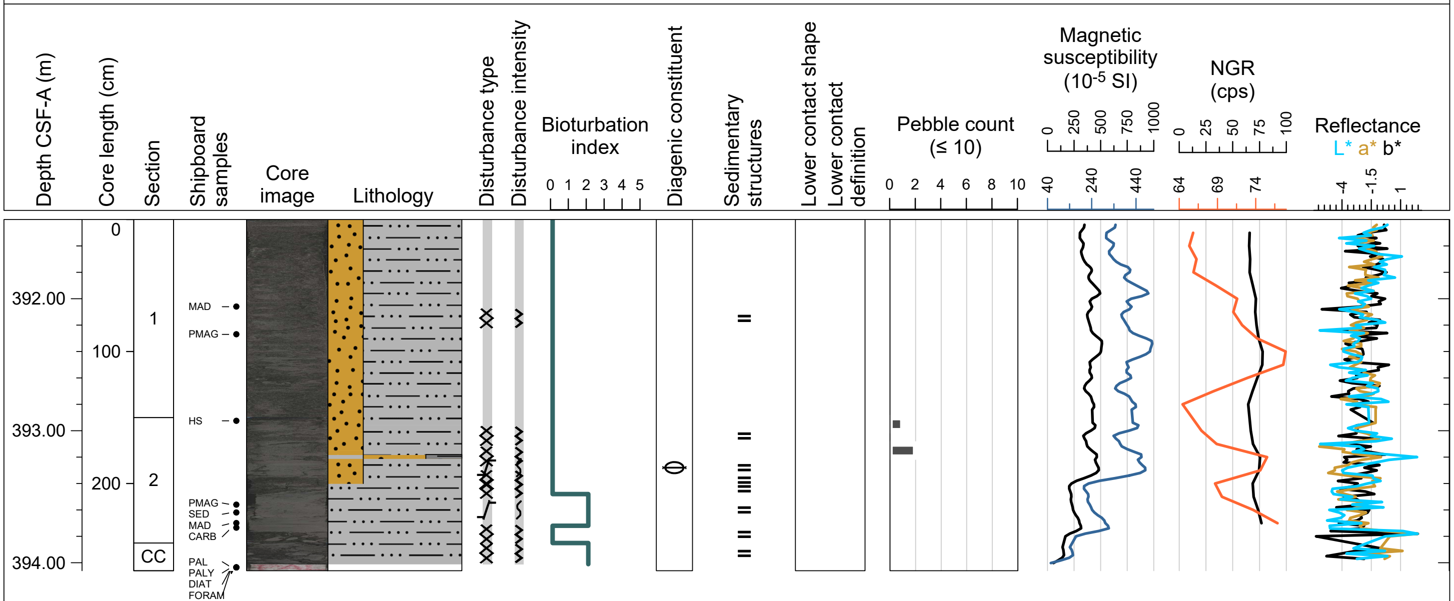
Hole 400-U1603D Core 14R, Interval 381.7-383.83 m (CSF-A)

Dark greyish brown mud with parallel laminations. There is a notable occurrence of angular discordance and some folding of laminated mud that do not appear to be related to drilling disturbance in Section 2. There is moderate to severe drilling disturbance with no bioturbation throughout the core.



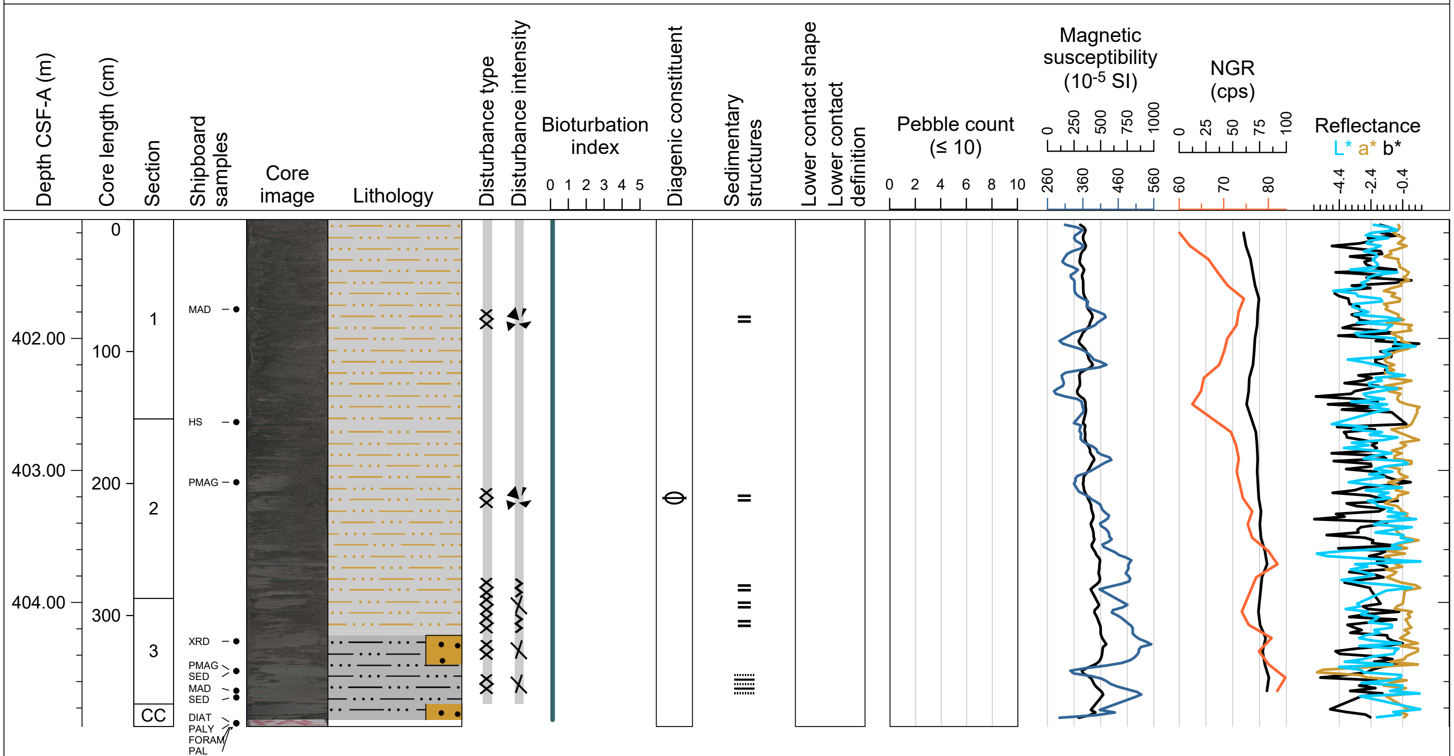
Hole 400-U1603D Core 15R, Interval 391.4-394.06 m (CSF-A)

Dark grey very fine sandy mud with mm-scale parallel laminations and color banding. Some intervals are muddy sand with coarse sand to gravel with rare >2mm clast. There is soft sediment deformation present throughout the core and there are some bioturbated intervals in Section 2 and core catcher. A concretion is present in the sandy mud interval in Section 2. Drilling disturbance is slight to strongly disturbed with fracturing and brecciated intervals throughout the core.



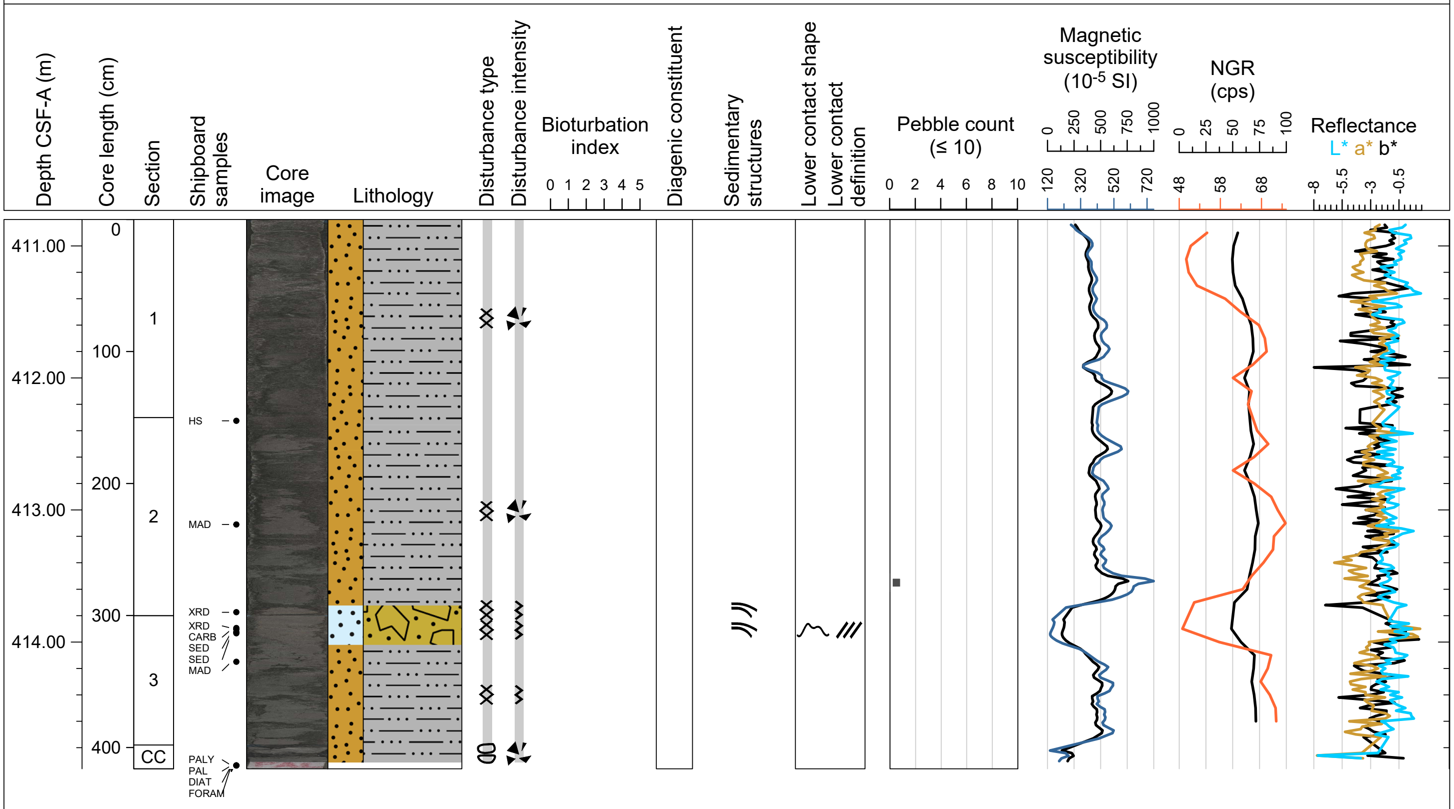
Hole 400-U1603D Core 16R, Interval 401.1-404.94 m (CSF-A)

Dark grey interlaminated mud, mud, and mud with sand. There is color banding in Section 3. Soft sediment deformation is common throughout the core. In Section 2 at 107-109 cm there is a carbonate concretion.



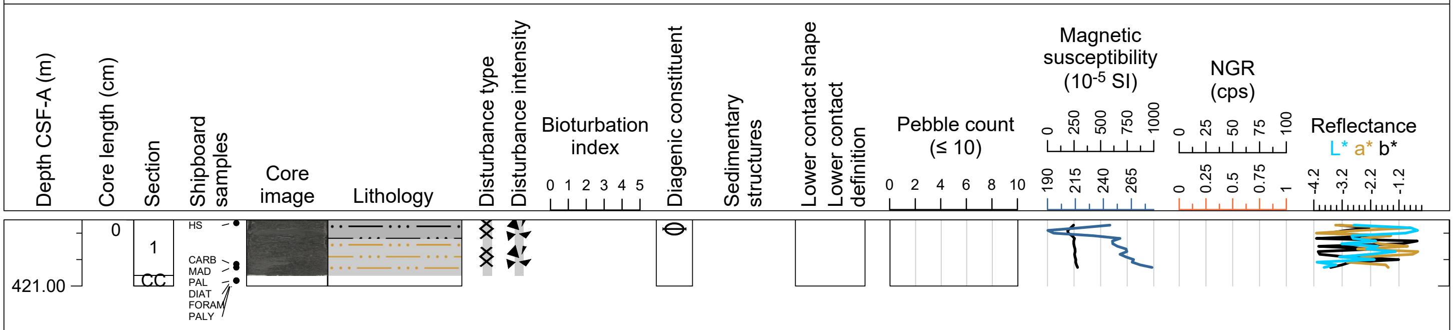
Hole 400-U1603D Core 17R, Interval 410.8-414.96 m (CSF-A)

Dark grey sandy mud with a 30-cm bed of dark reddish grey breccia in Section 3. There is sandy mud that contains a low percentage of fine to very fine sands. There are rare observable laminae (1 bed in Section 3) with some suggestion of soft sedimentary deformation. No observable bioturbation or diagenesis and no fossils throughout the core. There is severe drilling disturbance with friable mud that is highly fractured. The reddish grey breccia contains 'intraclasts' (rip-up clasts) with dispersed carbonate throughout matrix and 2-4 cm bedding displayed by clast and orientation.



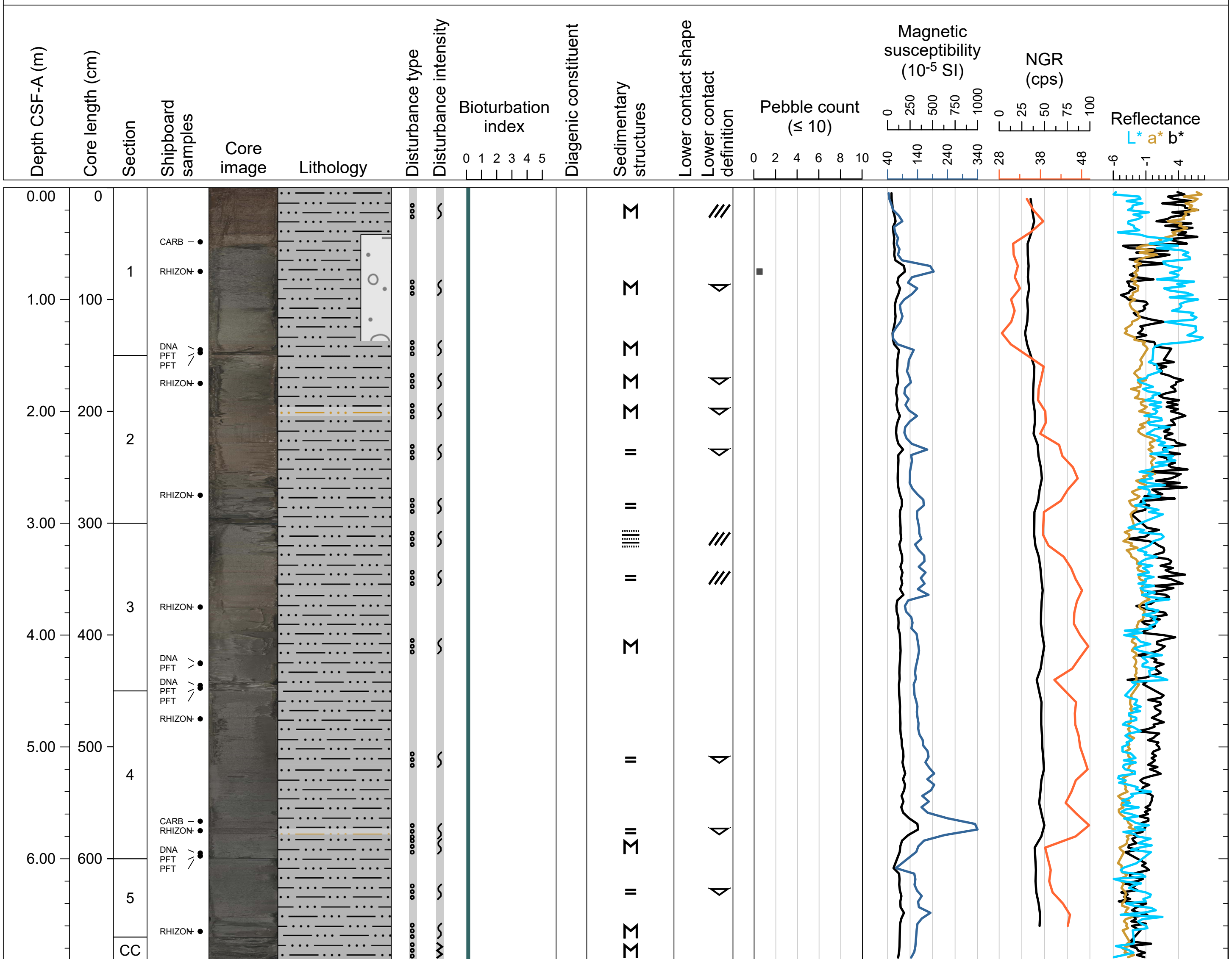
Hole 400-U1603D Core 18R, Interval 420.5-421.0 m (CSF-A)

Dark grey mud and interlaminated mud and sand. There is a concretion or carbonate cemented interval 7-11 cm in Section 1. Drilling disturbance is strong to severe throughout the core.



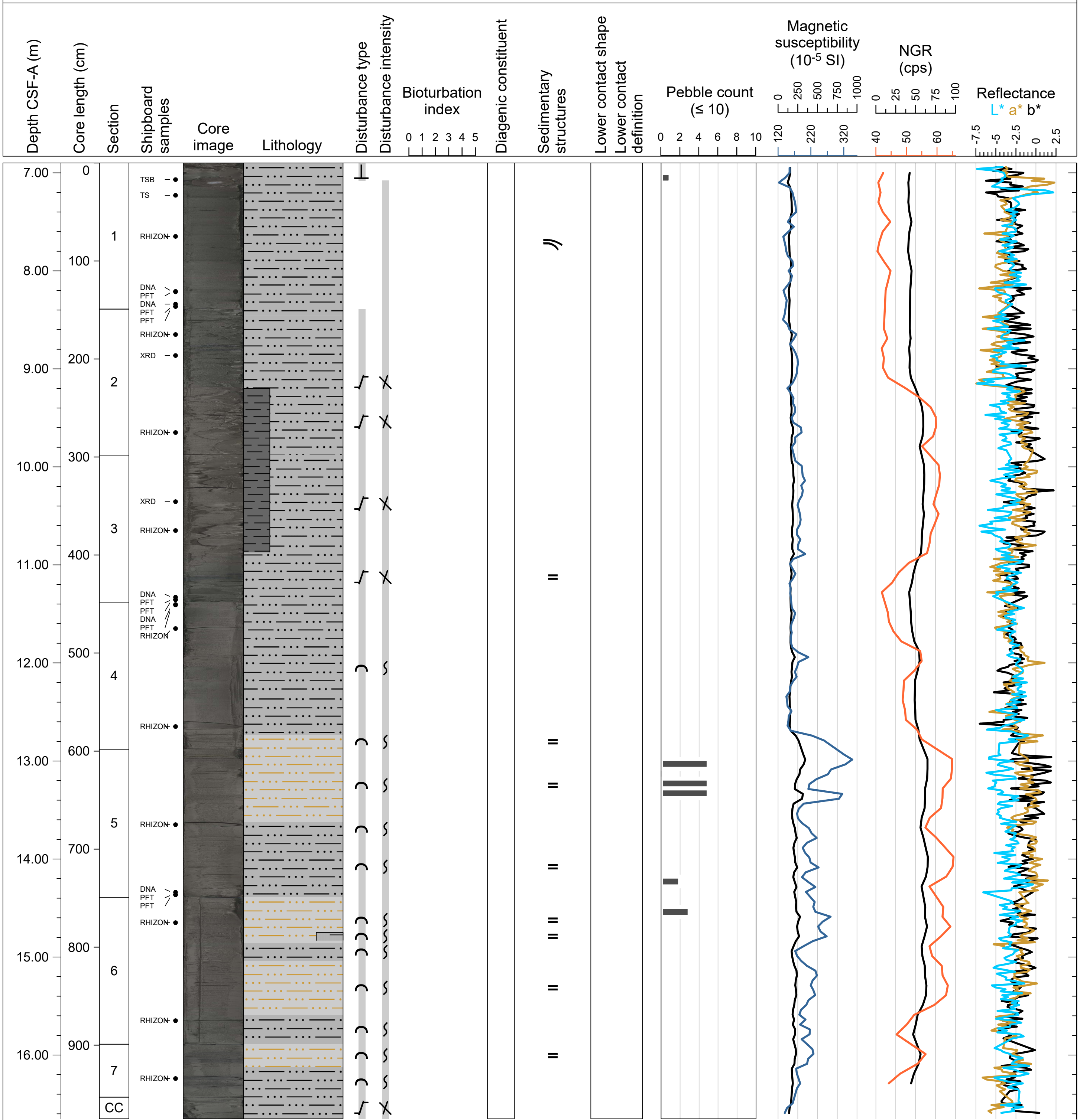
Hole 400-U1603E Core 1H, Interval 0.0-6.94 m (CSF-A)

Dark reddish brown, dark greenish grey, to medium greyish brown, and dark greenish grey, massive and color banded mud, laminated mud, mud with dispersed clasts, and interlaminated mud and sand in various colors.



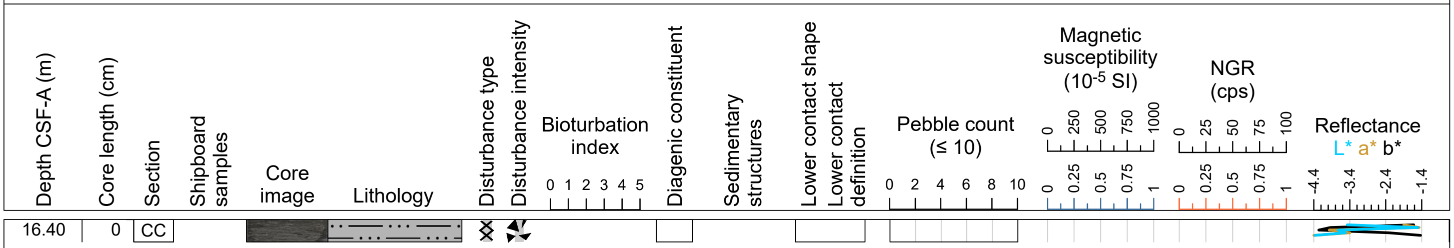
Hole 400-U1603E Core 2H, Interval 6.9-16.65 m (CSF-A)

Medium yellow brown interlaminated mud and sand that grade (over 5-15 cm) into very dark grey, dark grey, medium brownish grey of massive mud. These beds as a whole have a sharp contact at 2 cm and are gradational. Clasts of 2-5mm, are dispersed to common and occur in ~2 cm beds. Laminae contain silt to fine sand on mm-scale. At the top of a core is 2-3 m of clay-rich mud (very silt poor) topped by weakly stratified mud (with some silt). One large (7cm) clast is located in the top of the core and is a dolomite with a thick weathering rind.



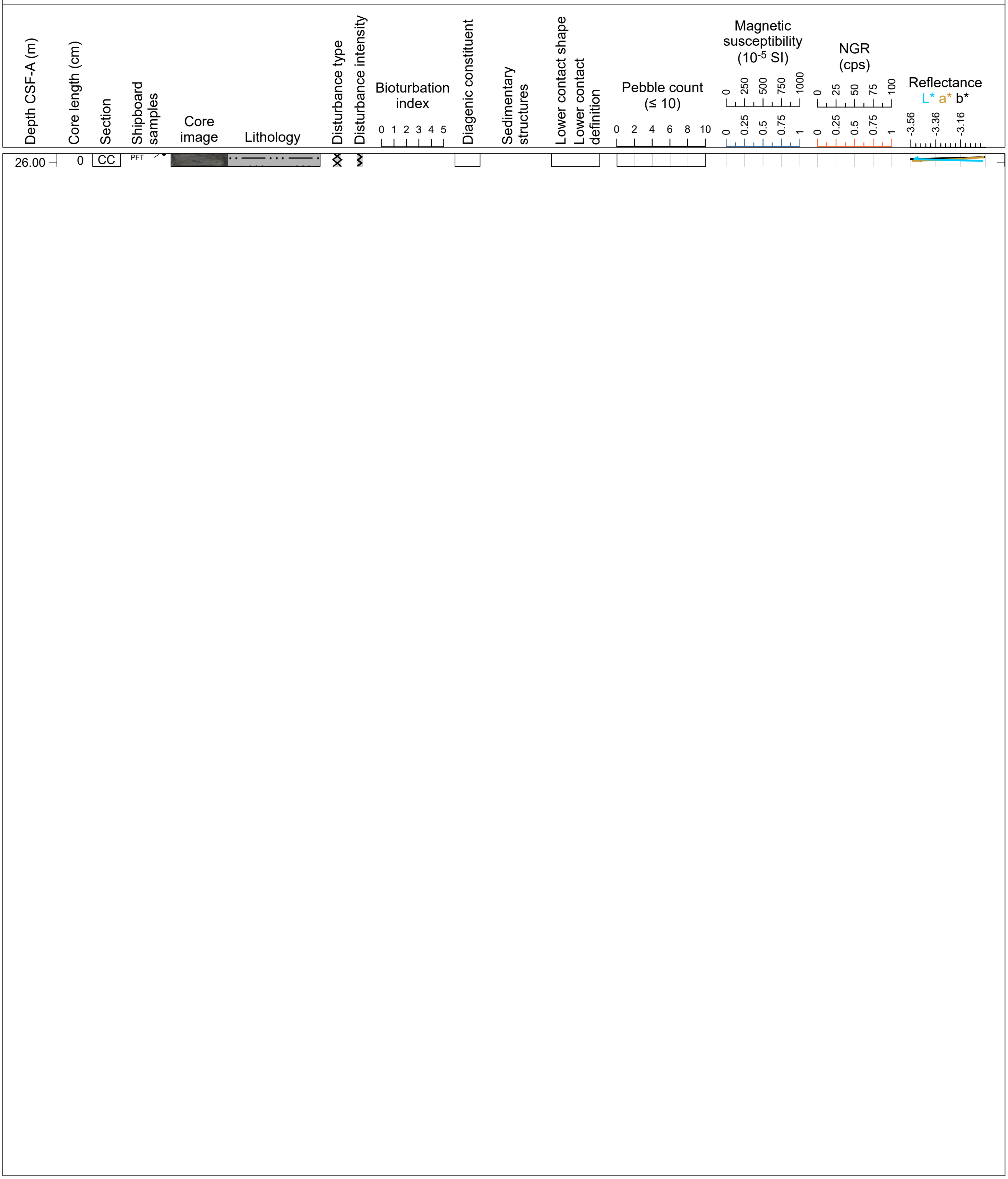
Hole 400-U1603E Core 3H, Interval 16.4-16.57 m (CSF-A)

Dark grey mud.



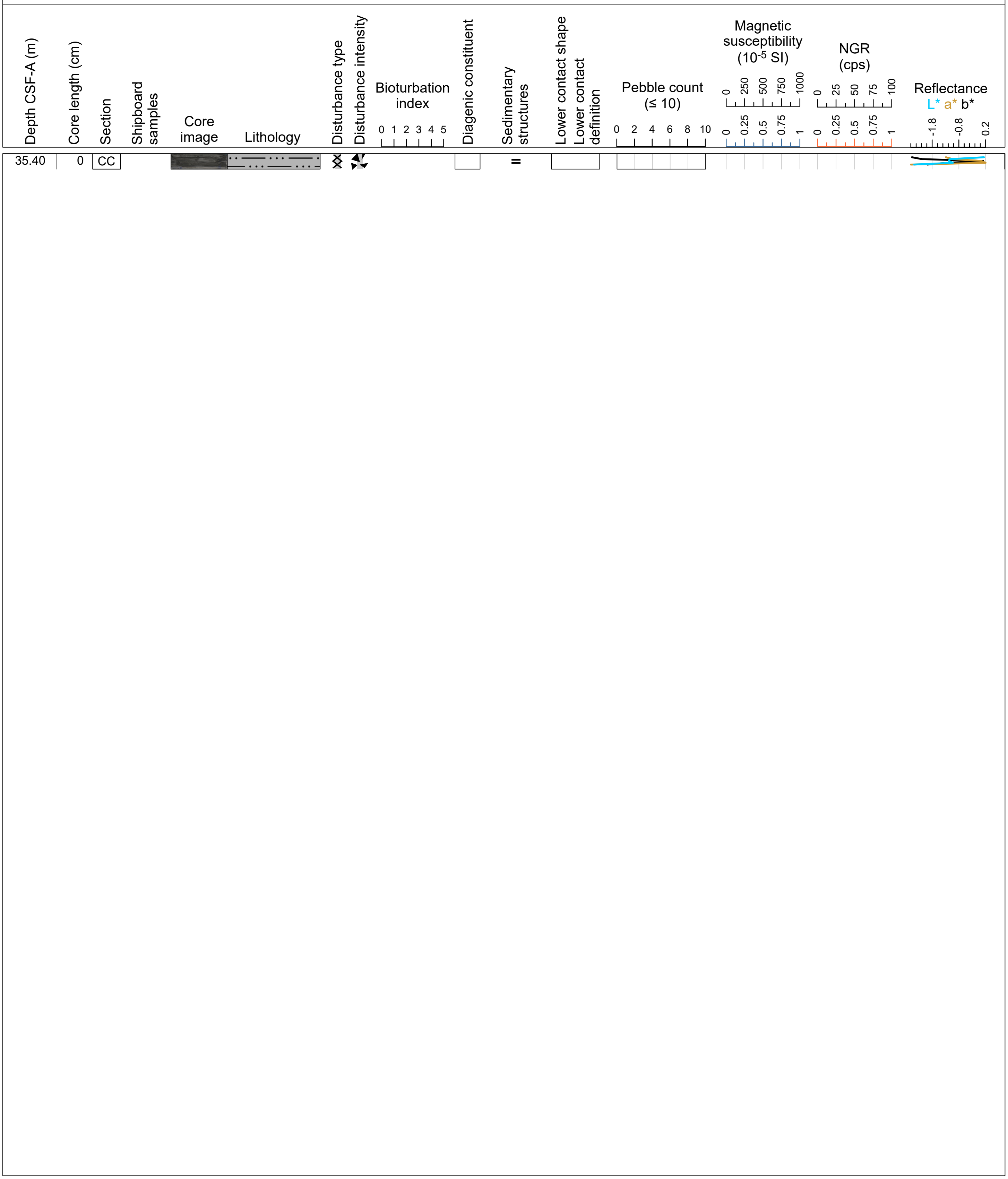
Hole 400-U1603E Core 4H, Interval 25.9-26.04 m (CSF-A)

Dark grey mud.



Hole 400-U1603E Core 5H, Interval 35.4-35.57 m (CSF-A)

Dark grey mud.



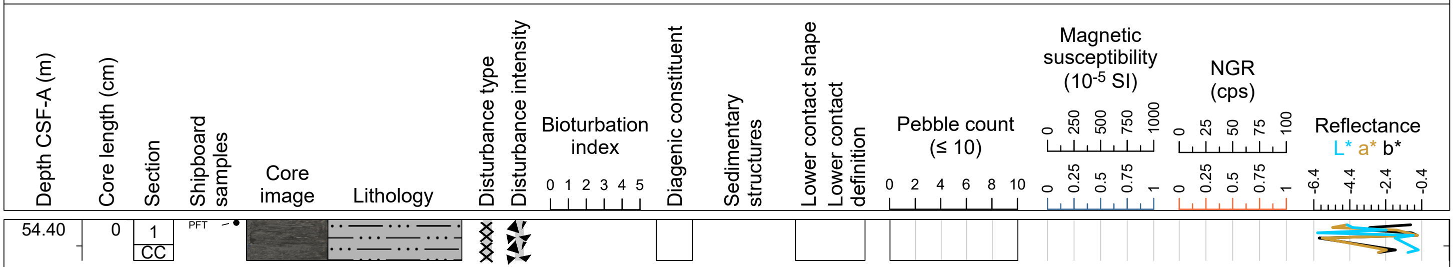
Hole 400-U1603E Core 6H, Interval 44.9-44.9 m (CSF-A)

NO RECOVERY 44.9-54.4 m

Depth CSF-A (m)	Core length (cm)	Section	Shipboard samples	Core image	Lithology	Disturbance type	Disturbance intensity	Bioturbation index (0 1 2 3 4 5)	Diagenic constituent	Sedimentary structures	Lower contact shape	Lower contact definition	Pebble count (≤ 10) (0 2 4 6 8 10)	Magnetic susceptibility (10^{-5} SI) (0 250 500 750 1000)	NGR (cps) (0 25 50 75 100)	Reflectance L* a* b* (0 0.25 0.5 0.75 1)

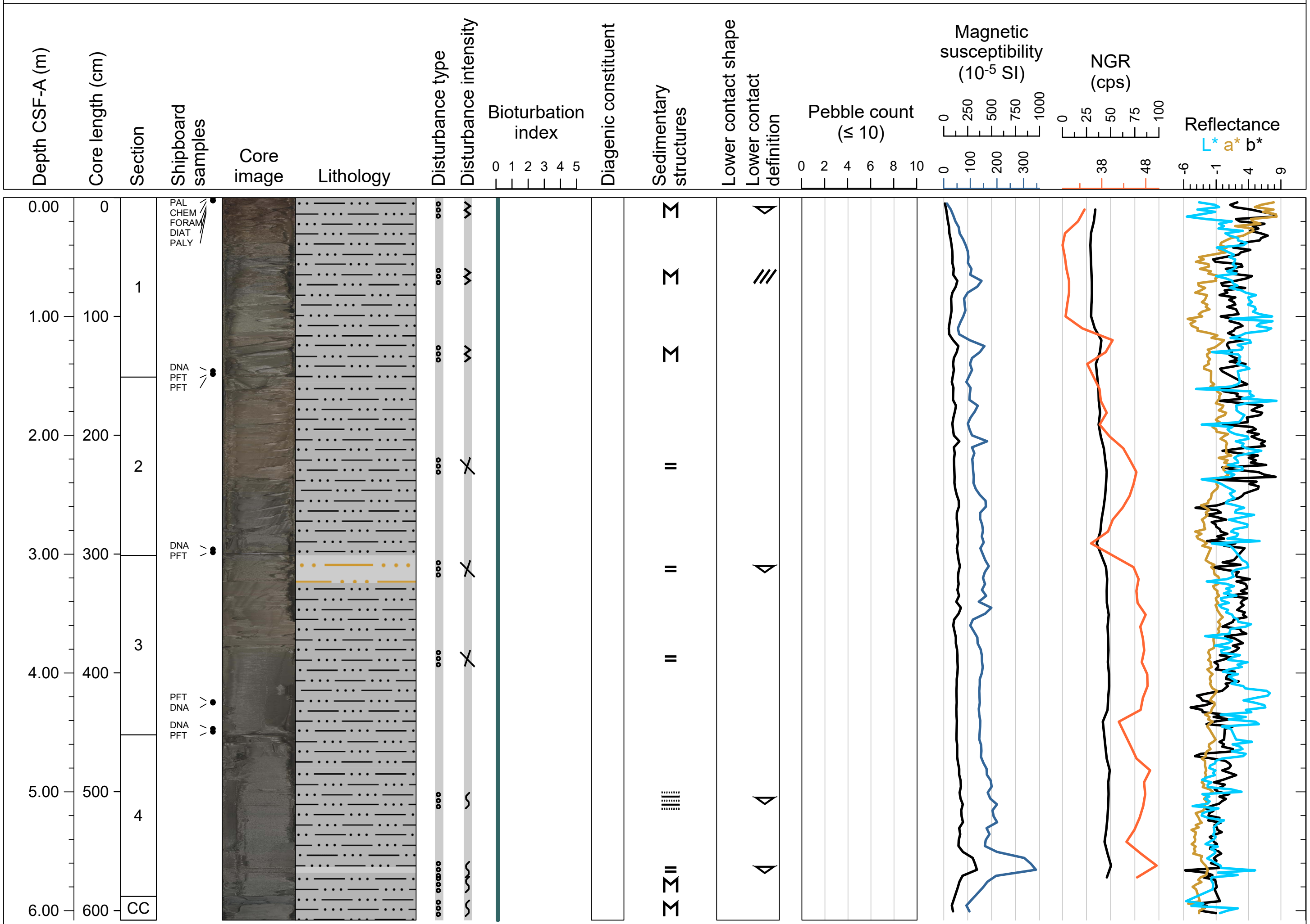
Hole 400-U1603E Core 7F, Interval 54.4-54.71 m (CSF-A)

Dark grey mud.



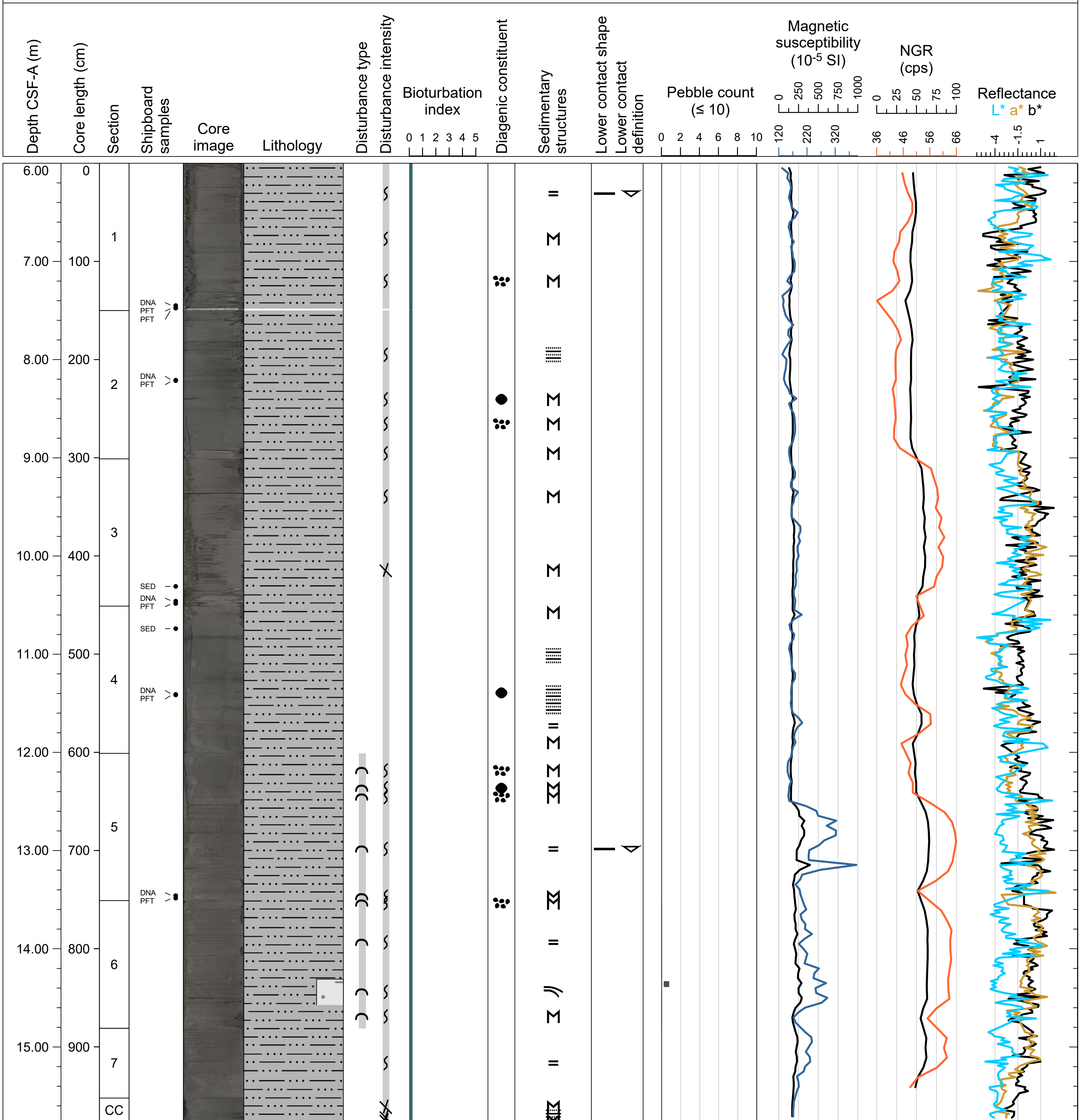
Hole 400-U1603F Core 1H, Interval 0.0-6.08 m (CSF-A)

Dark reddish brown, dark greenish grey, to medium greyish brown, and dark greenish grey, massive and color banded mud, laminated mud, and interlaminated mud and sand in various colors. The upper 21cm of the core is dark reddish brown. Intervals below range in color from dark greenish grey, to medium greyish brown, and dark greenish grey.



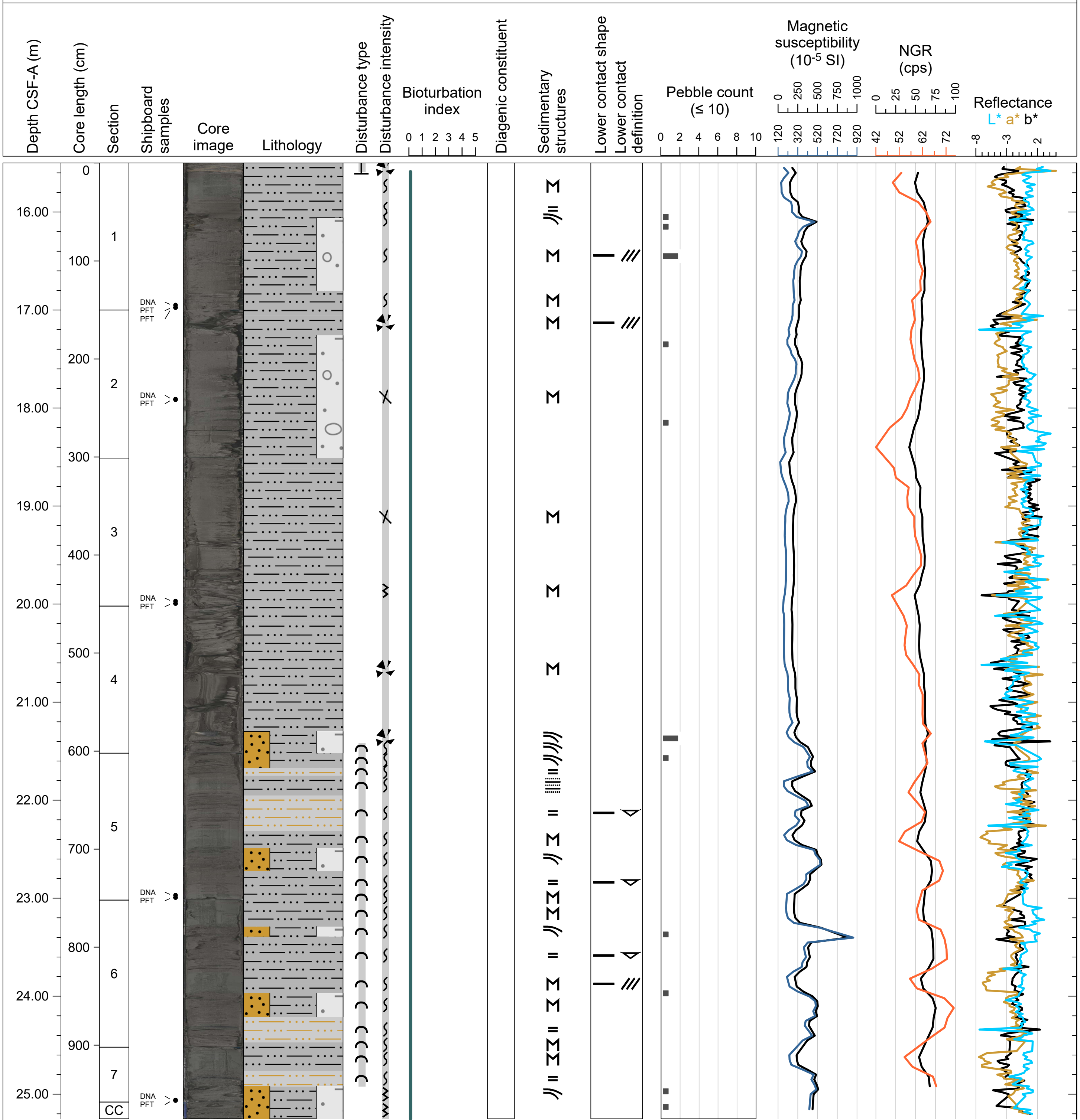
Hole 400-U1603F Core 2H, Interval 6.0-15.77 m (CSF-A)

Dark brownish grey laminated mud interbedded on a meter-scale with dark greenish grey or greyish brown massive mud, and one bed of grey stratified mud with dispersed clasts. Black mottles, nodules and color banding are common in the greenish grey beds.



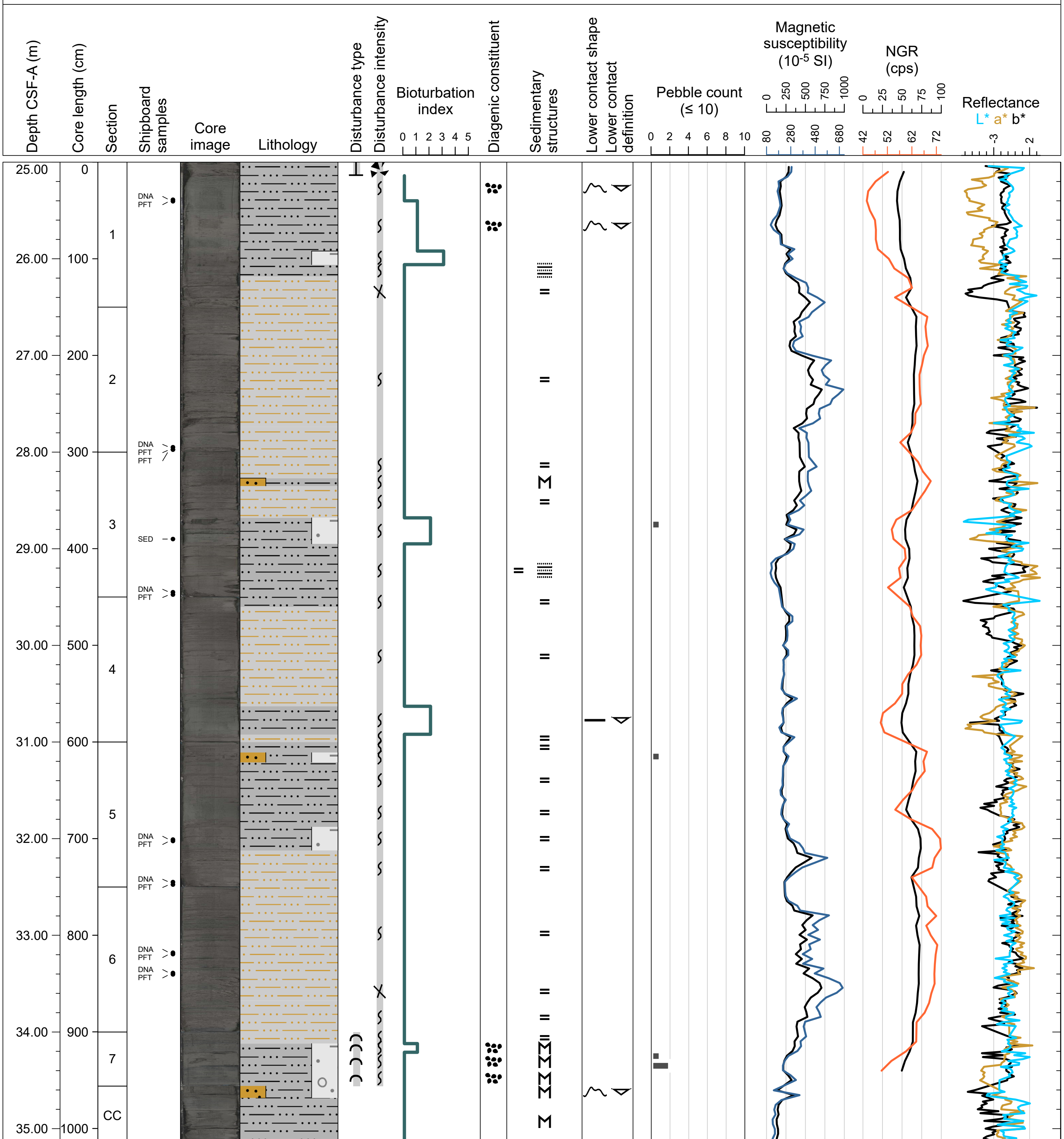
Hole 400-U1603F Core 3H, Interval 15.5-25.25 m (CSF-A)

Dark brownish grey laminated mud, interbedded on a meter-to-decimeter scale with dark greenish grey or greyish brown massive mud, and grey stratified sandy mud with dispersed clasts. A few sharp-based fine-to-medium sand laminae are observed in the interlaminated intervals. Color banding occurs in one interval.



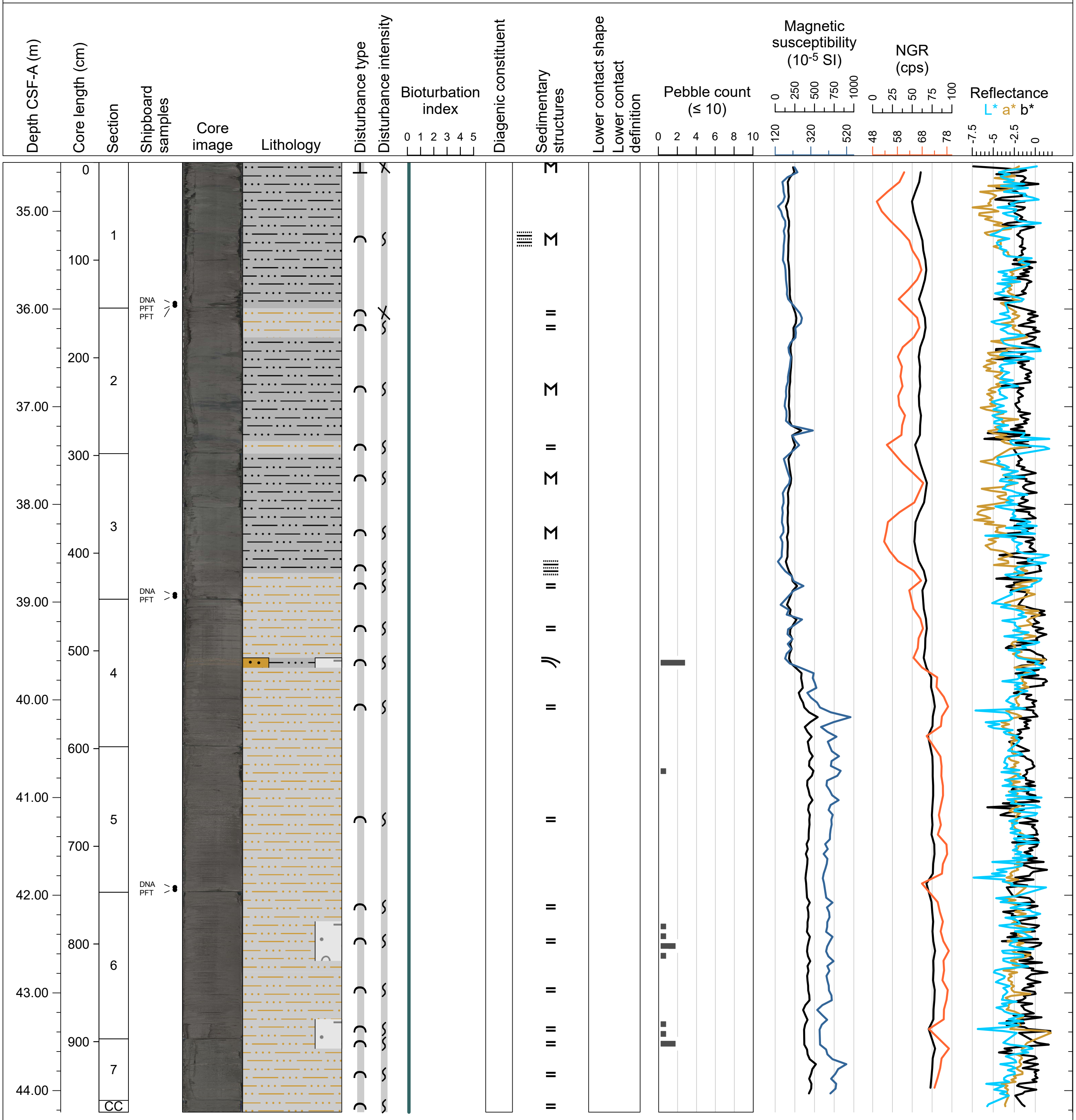
Hole 400-U1603F Core 4H, Interval 25.0-35.17 m (CSF-A)

Dark brownish grey laminated mud, interbedded with dark greenish grey massive mud and grey stratified sandy mud with dispersed clasts, and dark greyish brown color banded mud. Sharp-based fine-to-medium sand laminae are observed in the interlaminated intervals. Sediments are locally sparsely to commonly bioturbated.



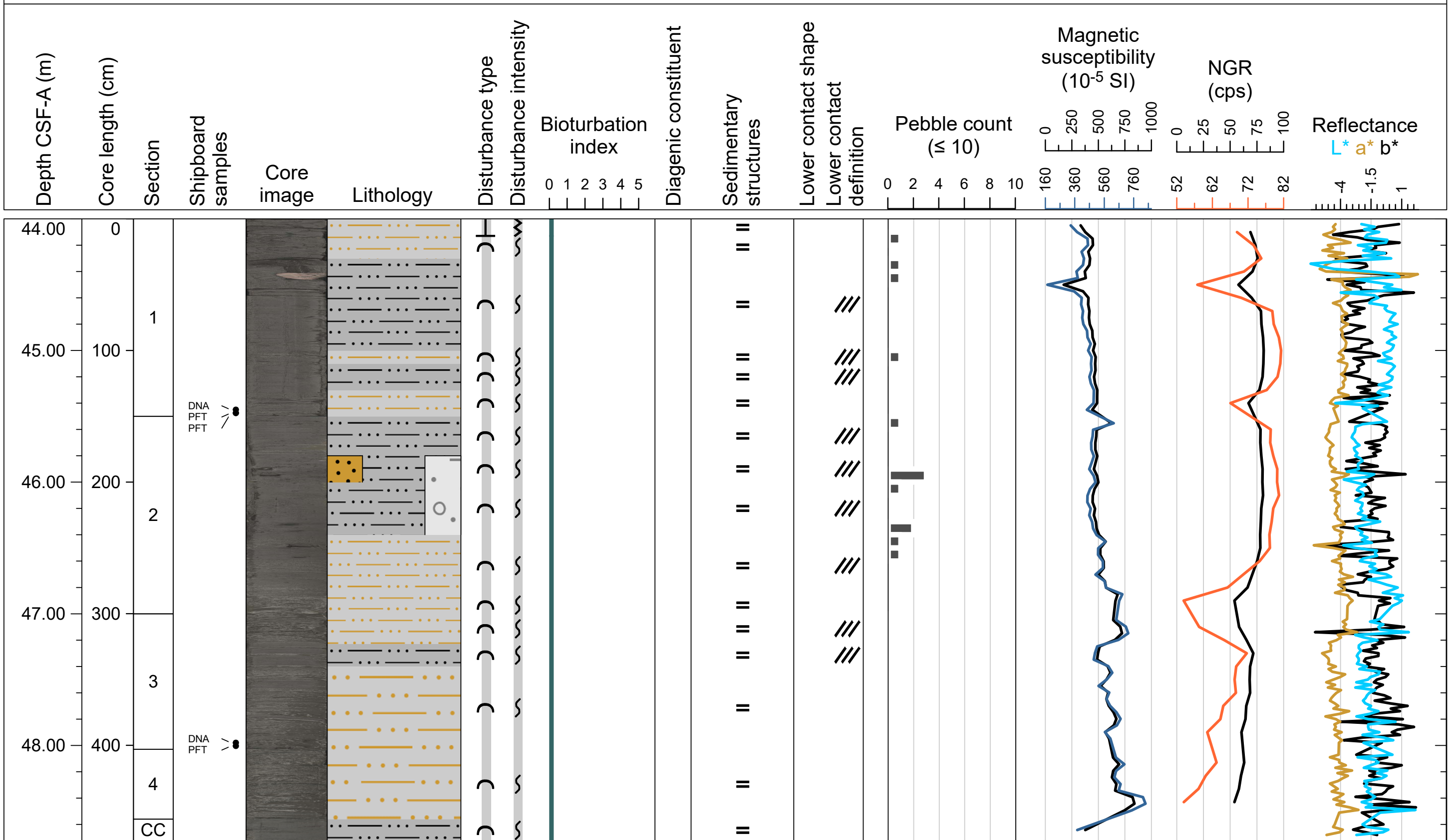
Hole 400-U1603F Core 5H, Interval 34.5-44.22 m (CSF-A)

Dark brownish grey massive to laminated mud, interbedded with one interval of tan stratified sandy mud with dispersed clasts, color banded mud, and interlaminated mud and sand. Sharp-based very fine-to-medium sand laminae are observed in the interlaminated intervals. Sediments lack bioturbation.



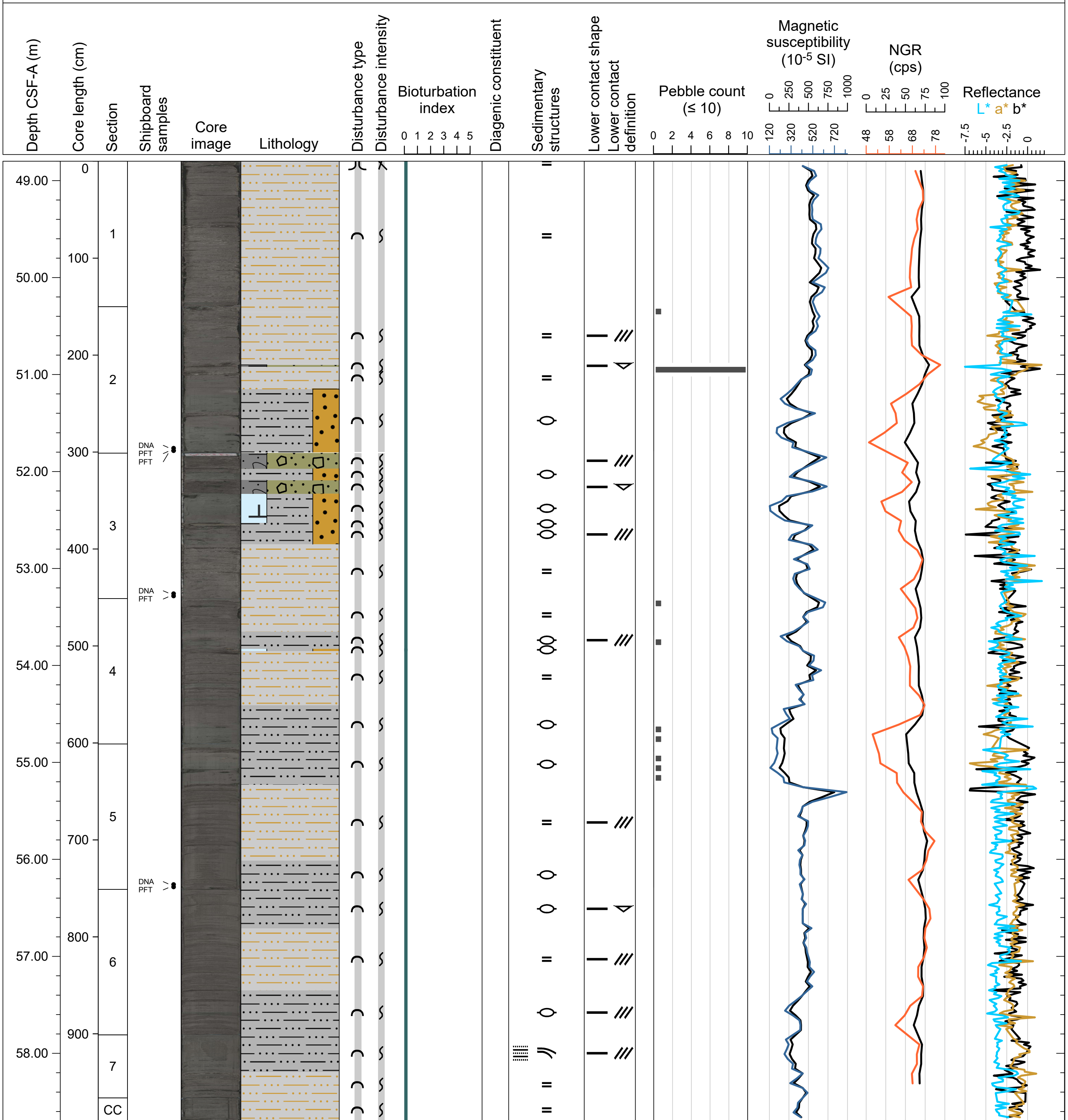
Hole 400-U1603F Core 6F, Interval 44.0-48.73 m (CSF-A)

Dark brownish grey laminated mud, sandy mud, and interlaminated to thinly interbedded sand and mud. Dispersed clasts in the upper part of Section 2. Some sand intervals show cross-ripple lamination or normal grading. Sediments lack bioturbation.



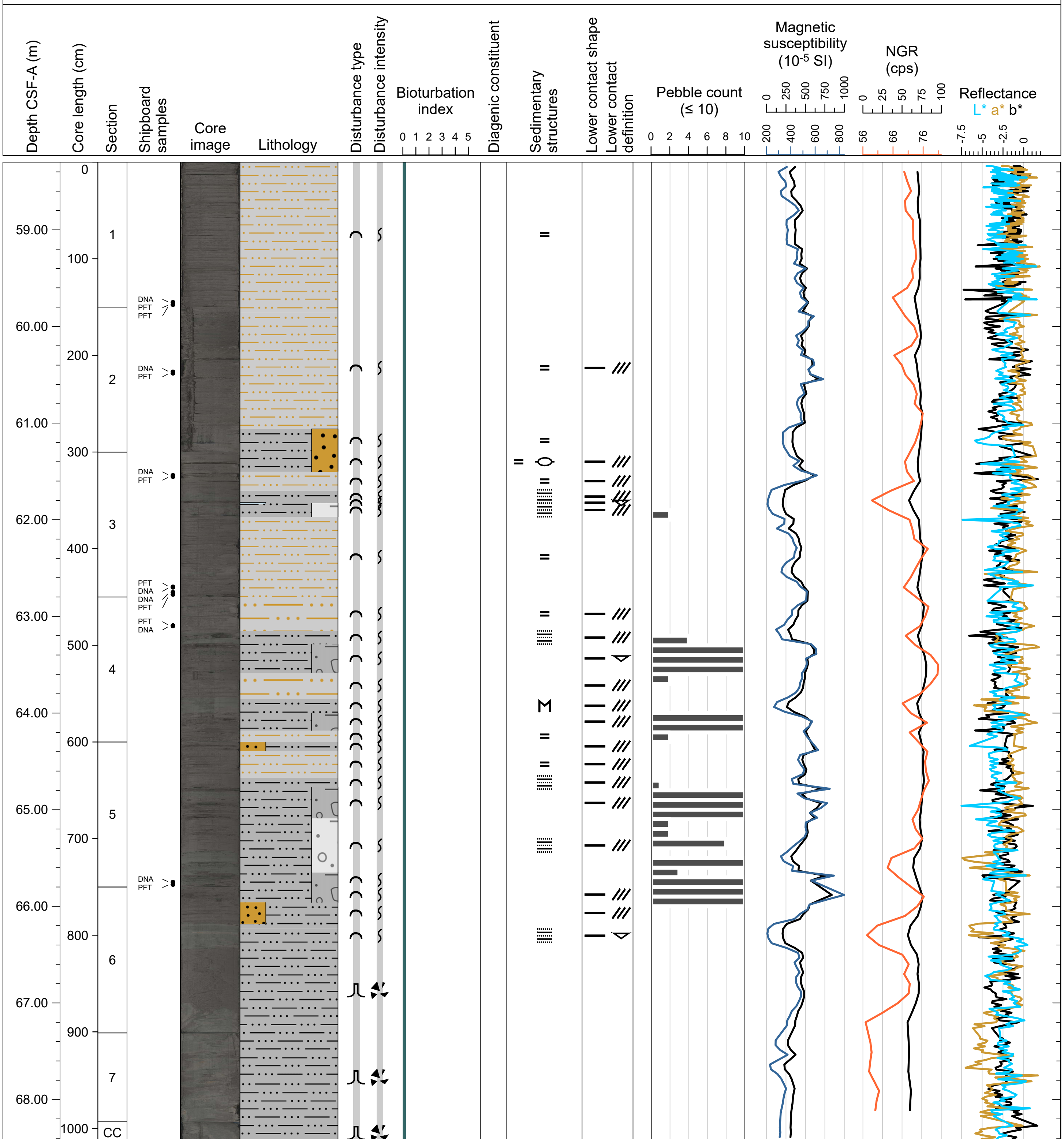
Hole 400-U1603F Core 7H, Interval 48.8-58.71 m (CSF-A)

Dark brownish grey interlaminated sand and mud alternating with stratified dark grey mud with occasional sand laminae or lenses and red grey diamicton. The laminae or lenses occuring in the mud are similar but are more sparse than the interlaminated mud and sand. Rare clasts >1 cm occur in the muds.



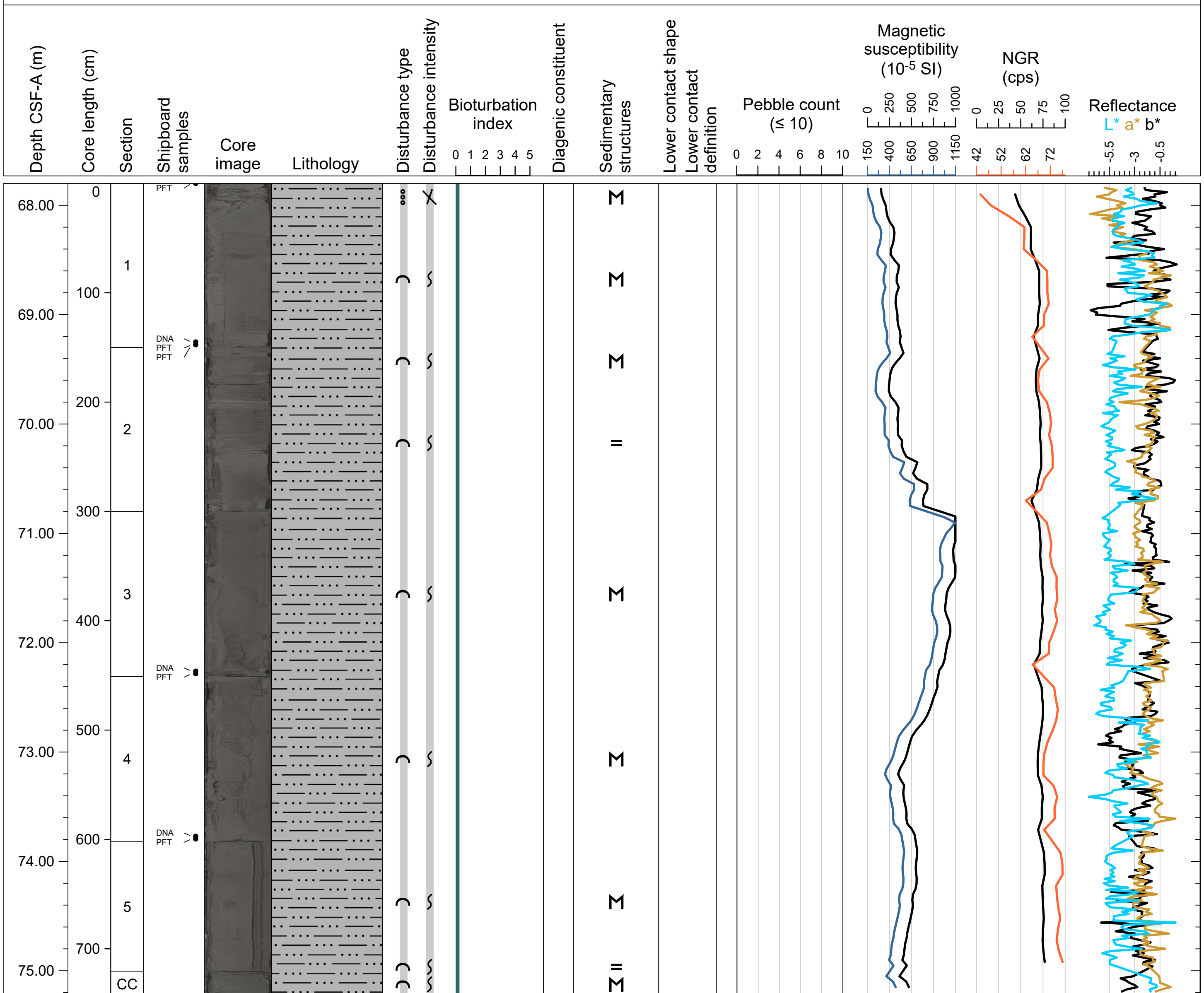
Hole 400-U1603F Core 8H, Interval 58.3-68.46 m (CSF-A)

Dark greenish grey interbeds of color banded mud, massive mud, mud with dispersed to common clasts, interbedded to interlaminated mud and sand. A few scattered blebs of calcareous sediment. Some FeS_2 staining of laminae and clasts. No bioturbation observed. The lower half of Section 6 through the base of the core is strongly disturbed by flow-in.



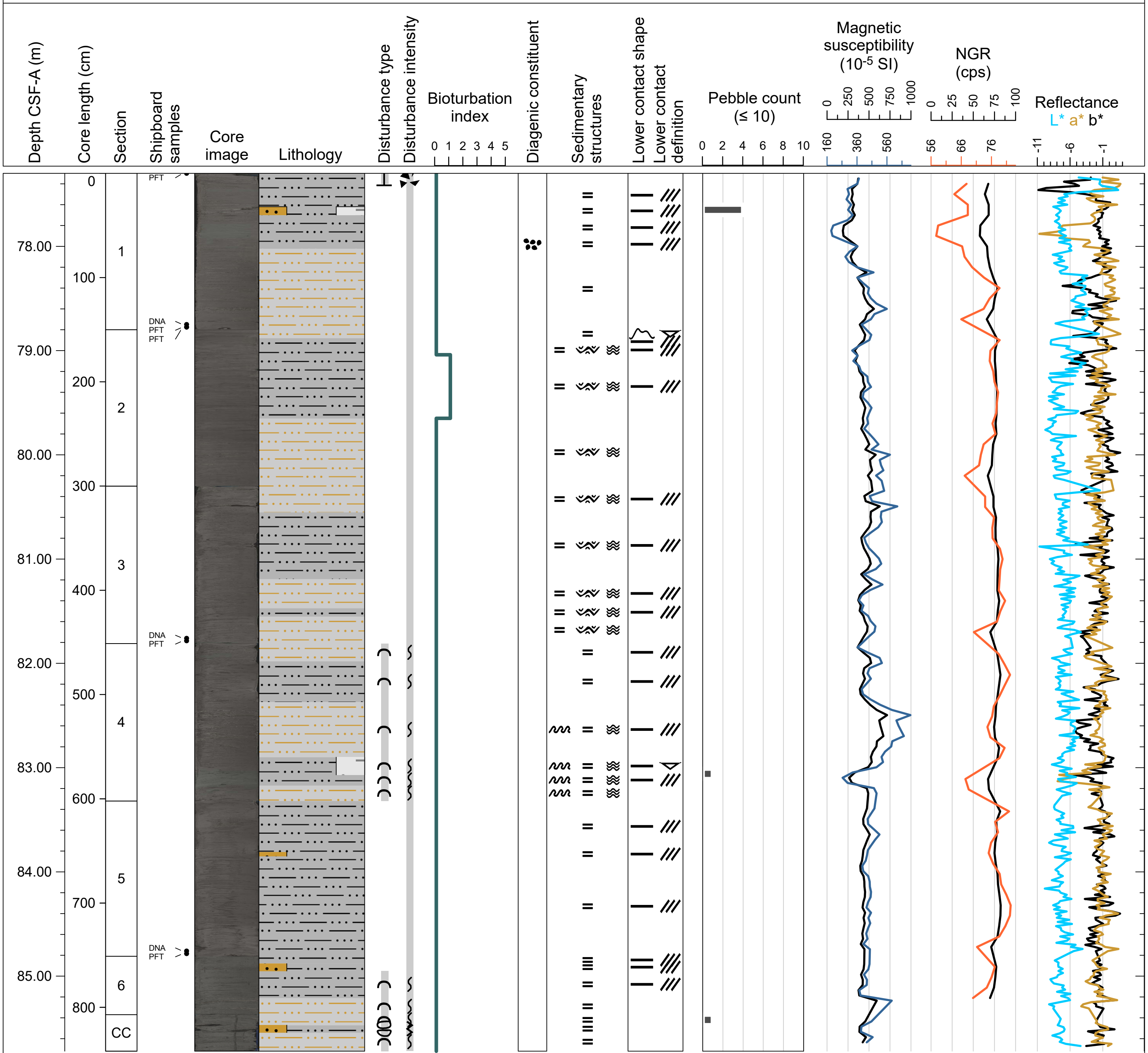
Hole 400-U1603F Core 9H, Interval 67.8-75.24 m (CSF-A)

Dark brownish grey, massive mud. Rare occurrences of faint parallel lamination. Rare isolated grains and sand blebs. Bioturbation is absent.



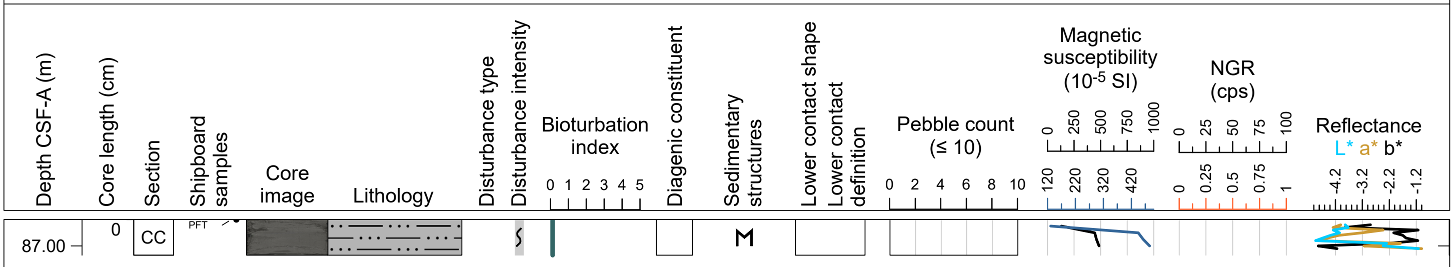
Hole 400-U1603F Core 10H, Interval 77.3-85.72 m (CSF-A)

Dark grey laminated mud and interlaminated sand and mud. Rare, thin intervals with sandy mud and mud with dispersed clasts that are also laminated. Clasts are randomly distributed and not related to stratification. Predominantly thin, parallel laminations. Sections 2 and 3 contain pervasive soft sediment deformation and possibly ripple laminations. There is generally no bioturbation but soft sediment deformed (SSD) intervals may contain burrows. The SSD intervals in this core appear very complex and their origin is unlikely to have resulted from coring processes.



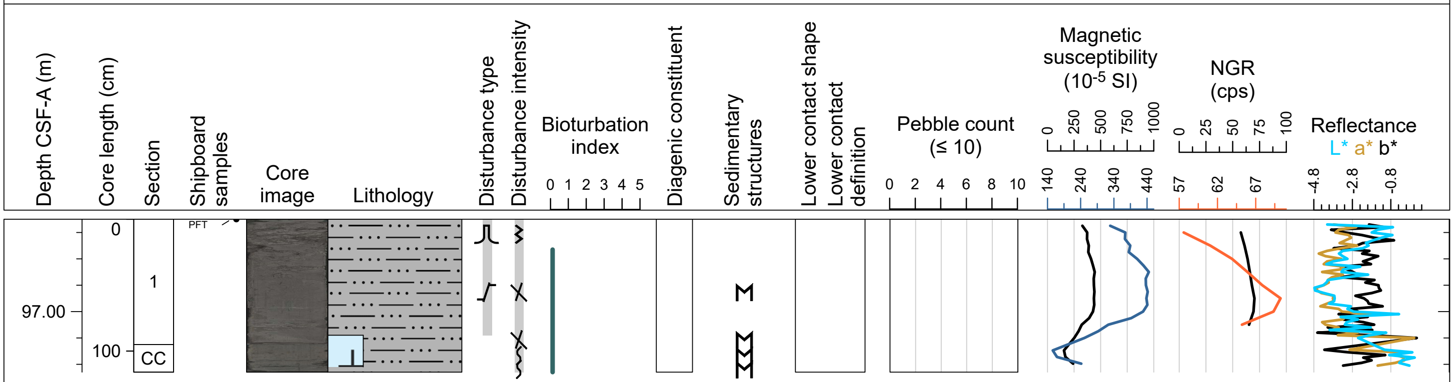
Hole 400-U1603F Core 11H, Interval 86.8-87.07 m (CSF-A)

Dark grey massive mud with slight drilling disturbance. No bioturbation.



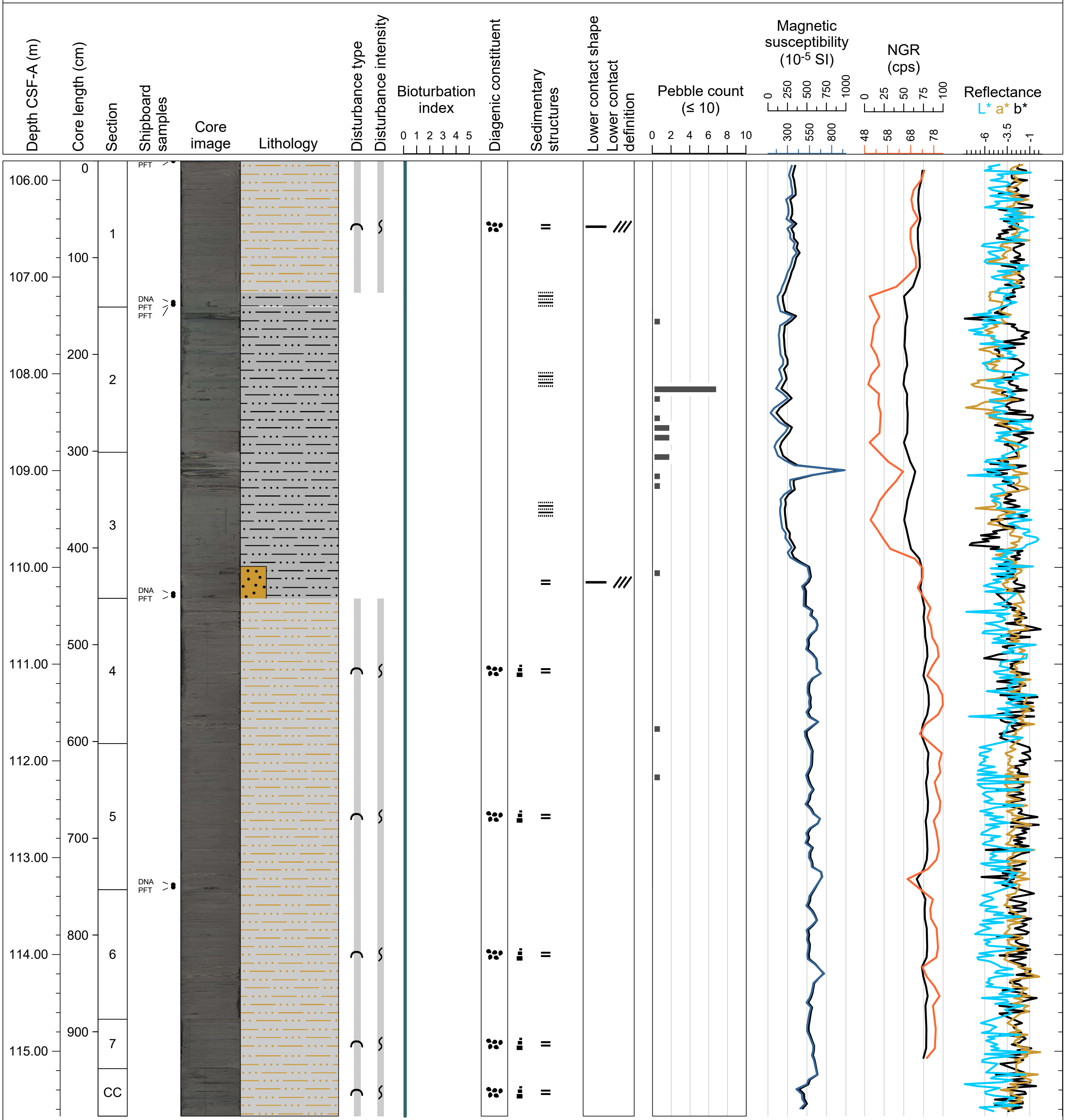
Hole 400-U1603F Core 12H, Interval 96.3-97.46 m (CSF-A)

Dark grey mud with an interval dark grey calcareous mud with dispersed blebs of carbonate in Section 1 that continues in the core catcher. Flow-in at the top of Section 1. No bioturbation noted in the core.



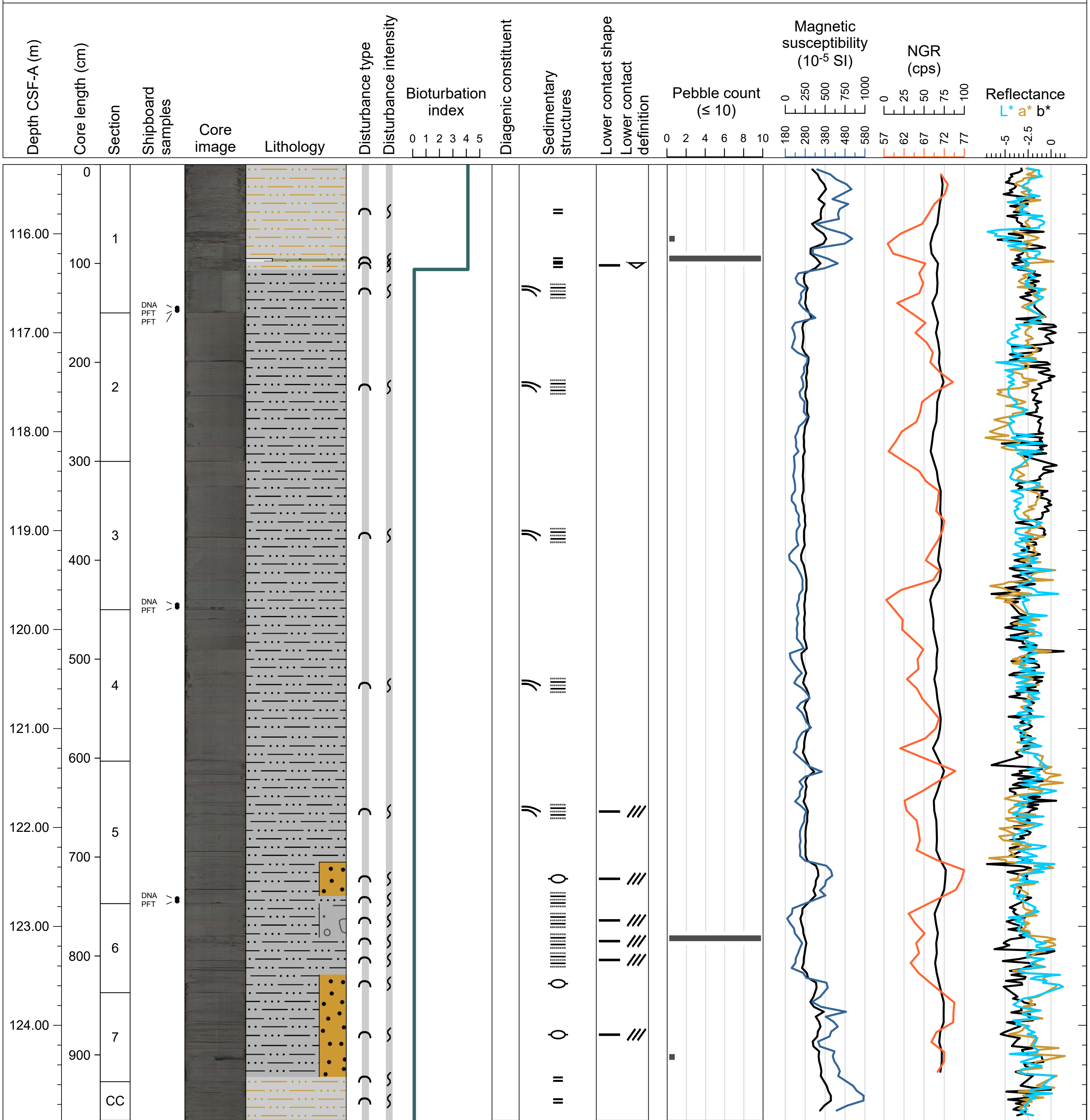
Hole 400-U1603F Core 13H, Interval 105.8-115.67 m (CSF-A)

Dark greenish grey mud with occasional laminae and brownish grey interlaminated sand and mud (thickly laminated). A few sandy beds reach 1 cm thickness with scour bases, normal graded. Outsized clasts up to 4 cm scattered throughout. No bioturbation observed.



Hole 400-U1603F Core 14H, Interval 115.3-124.96 m (CSF-A)

Dark grey mud, predominantly (4 m) of grey - dark grey - red grey color banded mud, alternating at depth with laminated mud to interlaminated mud and sand. Two beds of reddish grey mud with common clasts are noted and rare pebbles. The top of the core contains a bioturbated interlaminated sand and mud, the rest of the core contains no evidence for bioturbation.



Hole 400-U1603F Core 15H, Interval 124.8-134.62 m (CSF-A)

Dark greenish grey to grey interlaminated to thinly interbedded sand and mud with occasional sand laminae. Parallel lamination is present. A few sandy beds reach 1 cm thickness. Outsized clasts up to 4 cm scattered through Sections 2-5. No bioturbation observed.