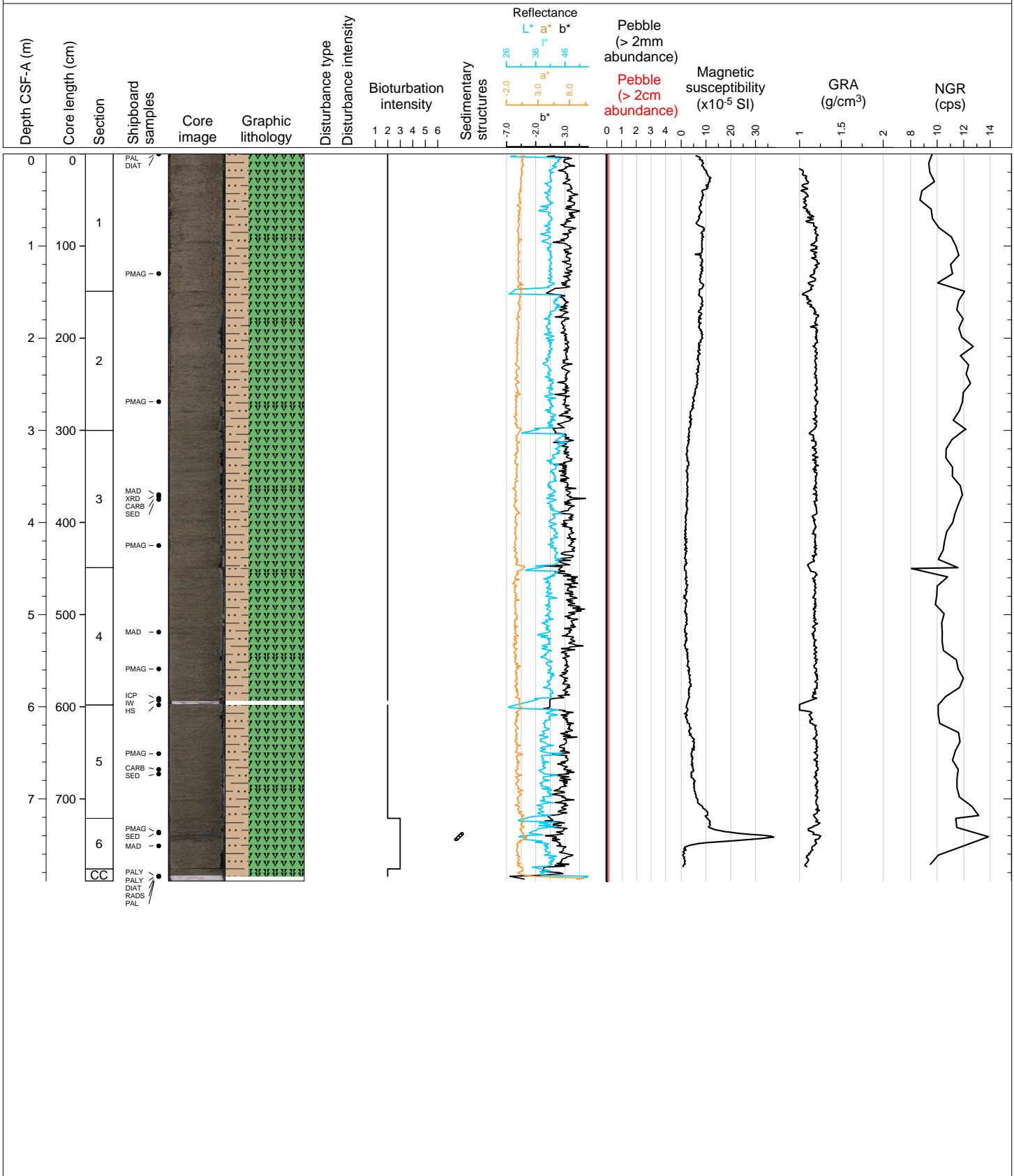


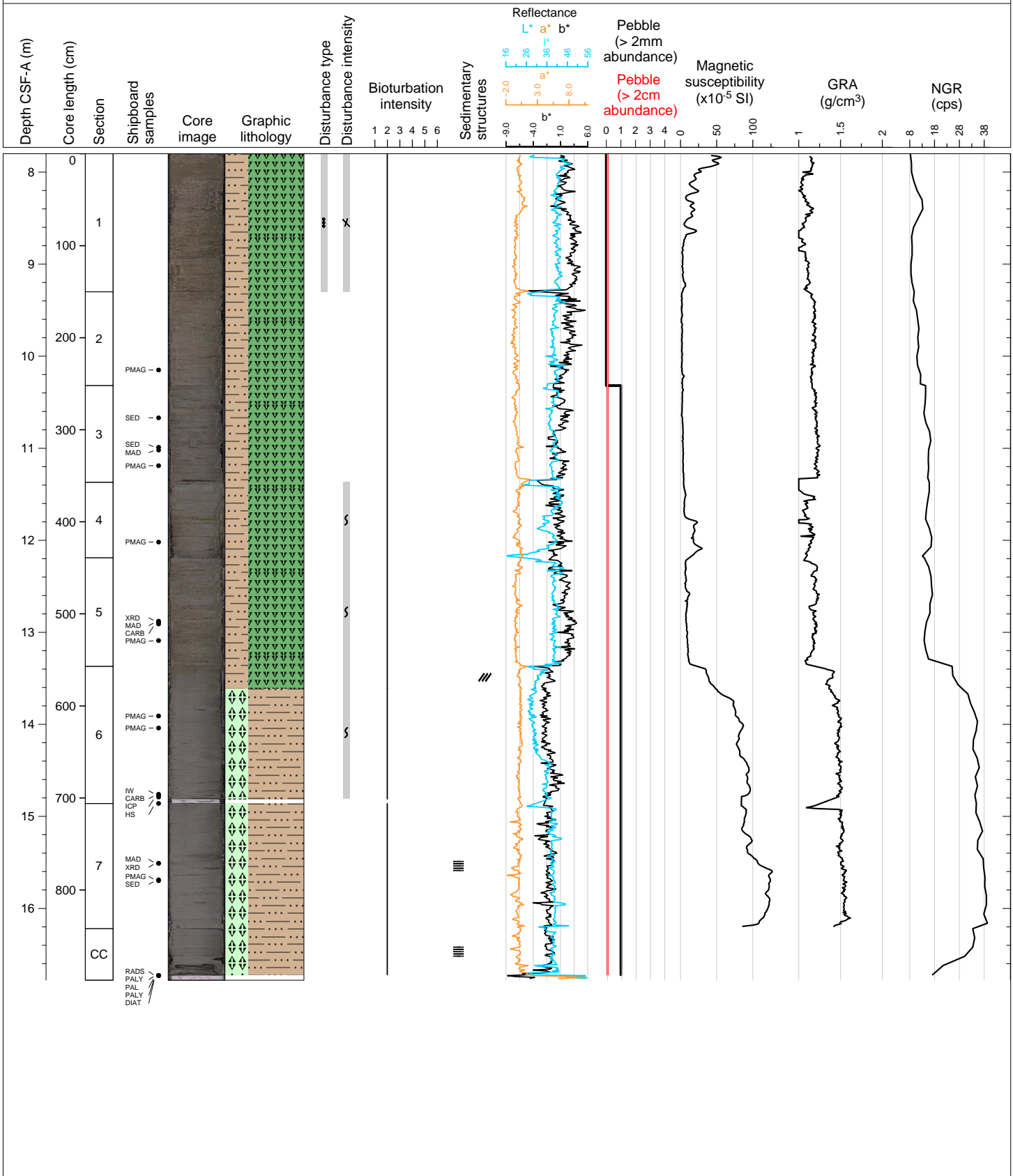
Hole 382-U1538A Core 1H, Interval 0.0-7.89 m (CSF-A)

dark greenish grey silty clay bearing/rich diatom ooze, smell of H<sub>2</sub>S, few planktic foraminifers in CC, pocket of diatom ooze with altered glass in 6A 17-18 cm



Hole 382-U1538A Core 2H, Interval 7.8-16.78 m (CSF-A)

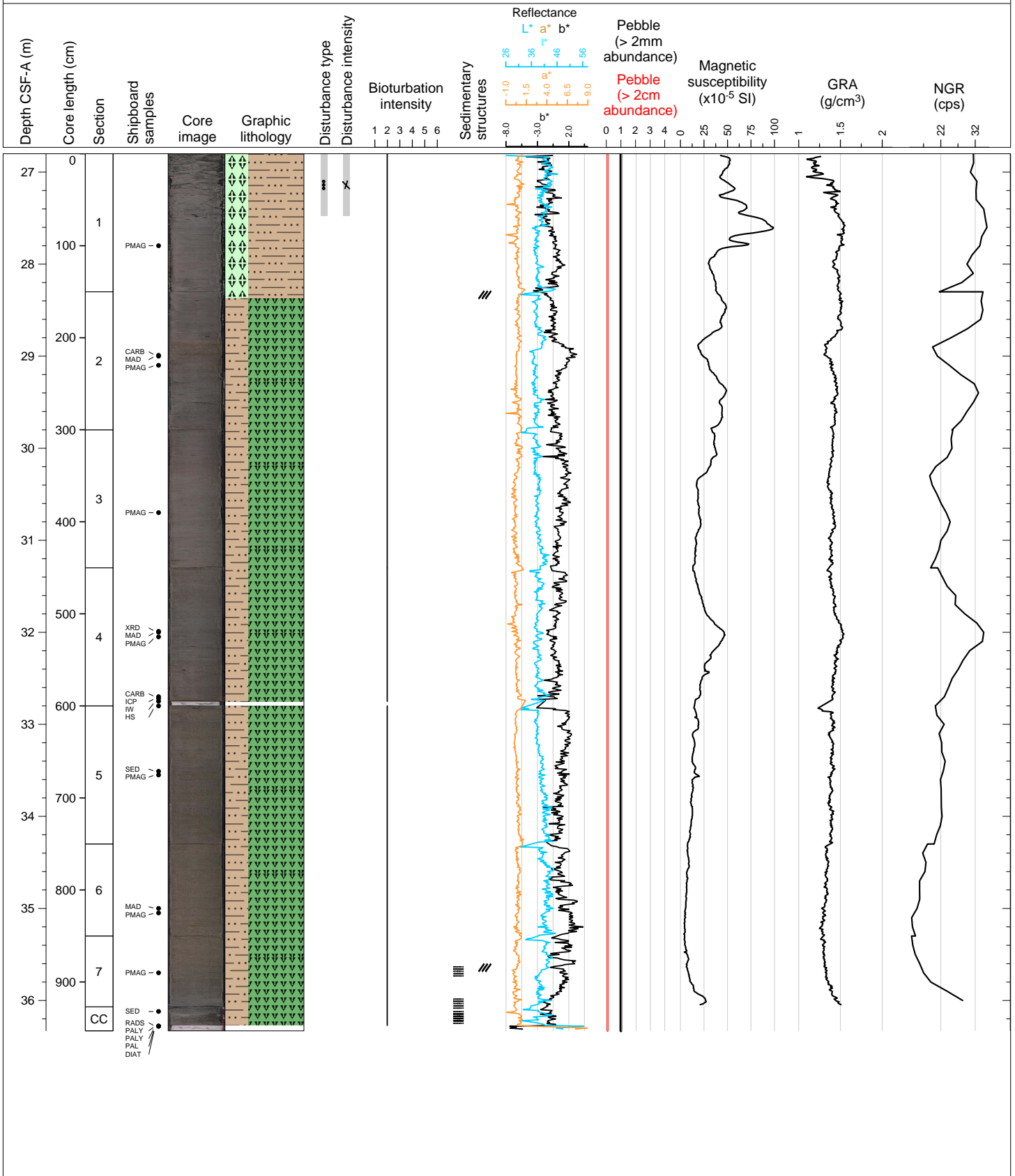
interbedded dark greenish grey diatom ooze and silty clay, IRD was identified via VCD and X-radiographs, few glauconitic layers in the silty clays, few forams in CC and smear slides





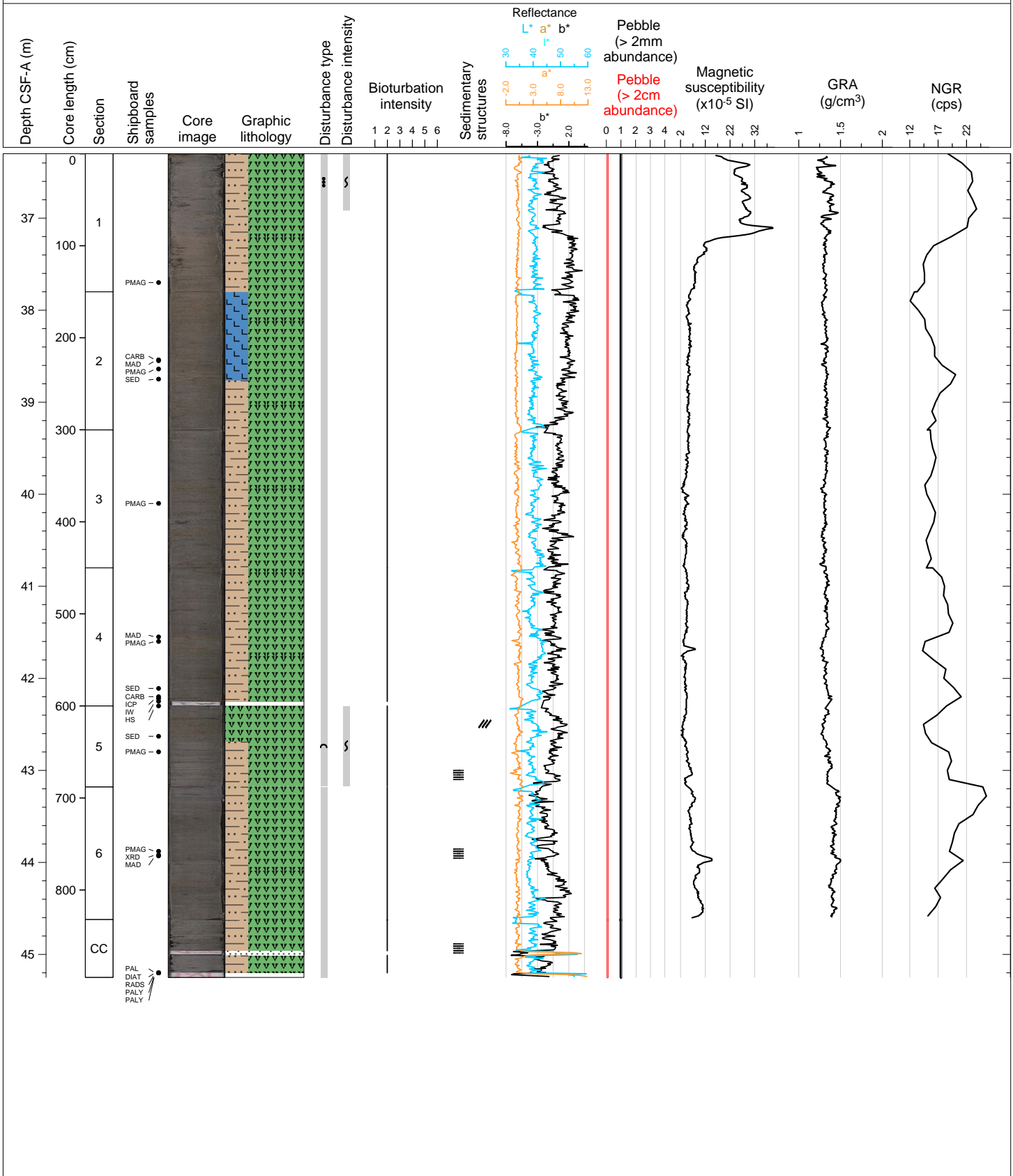
Hole 382-U1538A Core 4H, Interval 26.8-36.33 m (CSF-A)

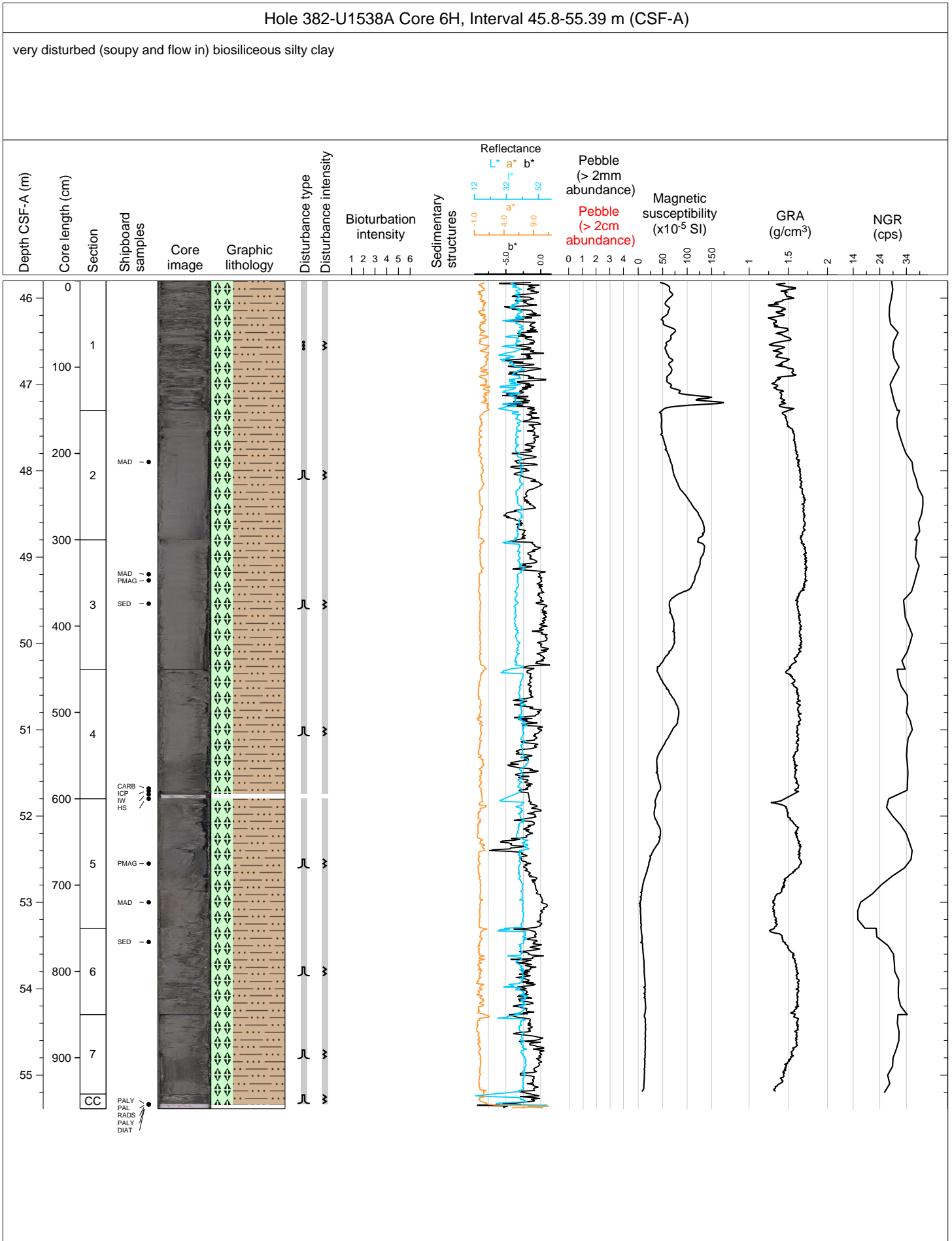
dark greenish grey silty clay rich diatom ooze, IRD predominantly identified via X-radiographs



Hole 382-U1538A Core 5H, Interval 36.3-45.25 m (CSF-A)

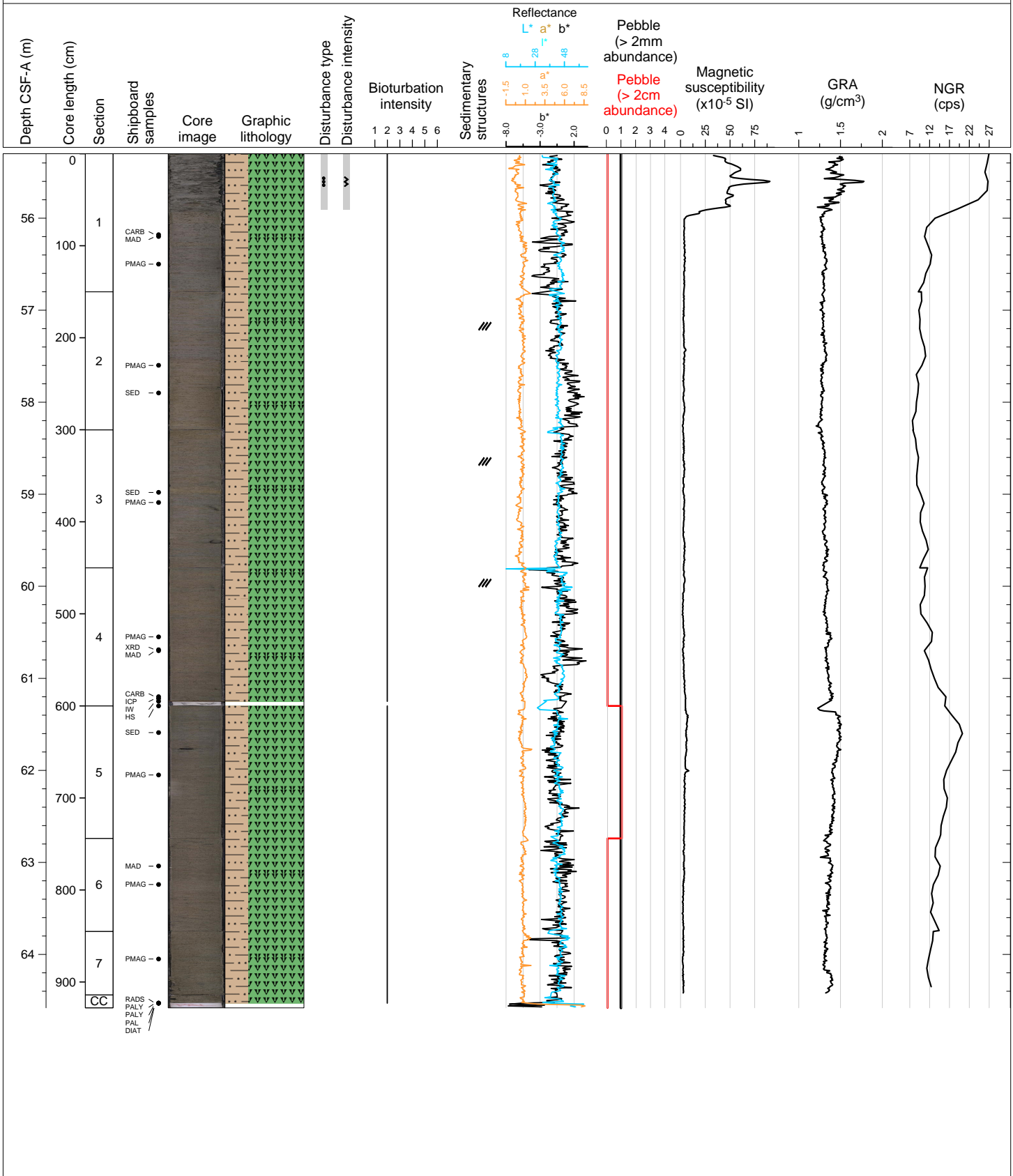
dark greenish grey diatom ooze, IRD primarily identified via VCD, few foraminifers in 4A and 5A





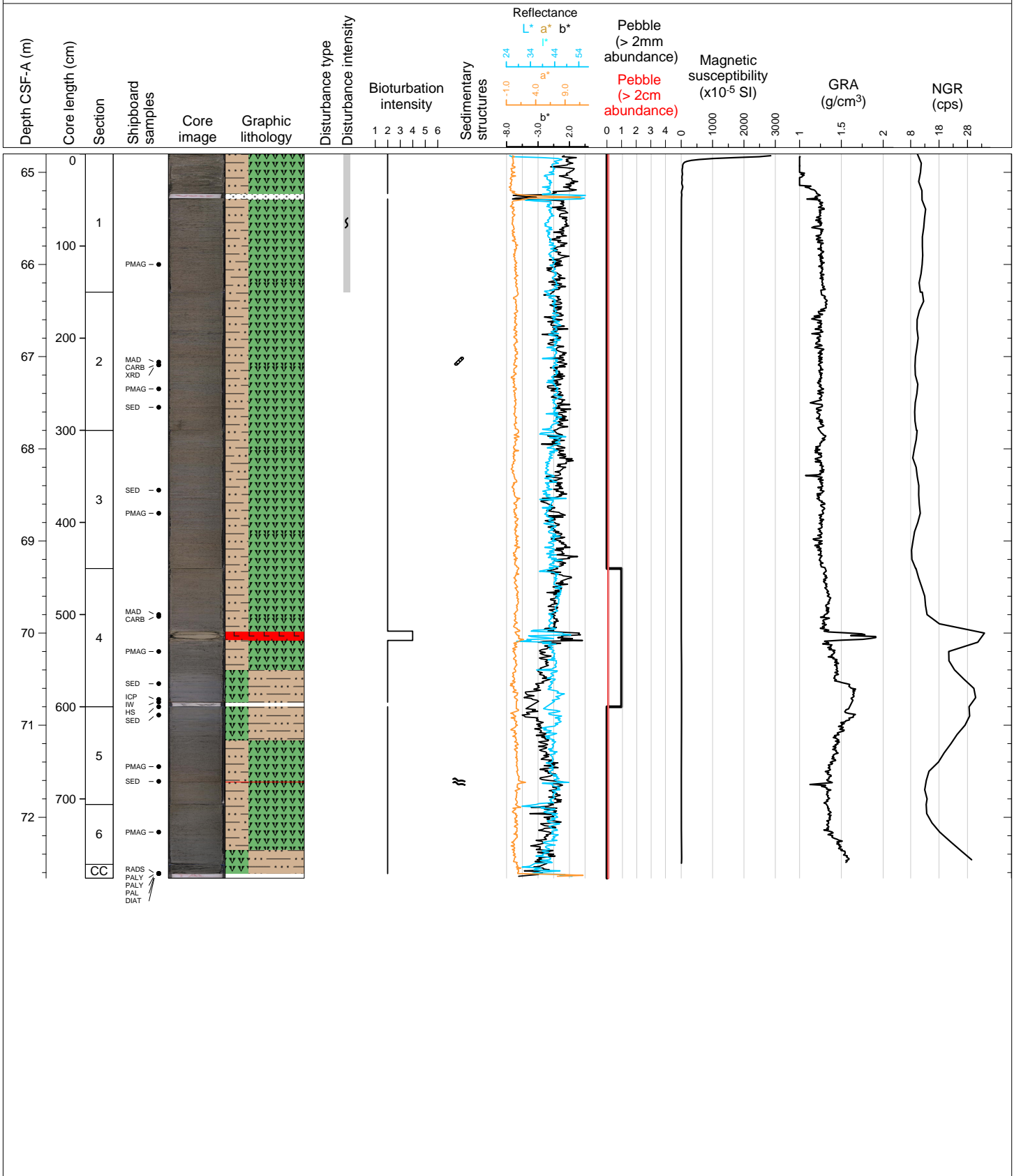
Hole 382-U1538A Core 7H, Interval 55.3-64.58 m (CSF-A)

interbedded greyish olive and dark greenish grey diatom ooze, IRD predominantly identified via X-radiographs, few foraminifers in 3A 68 cm

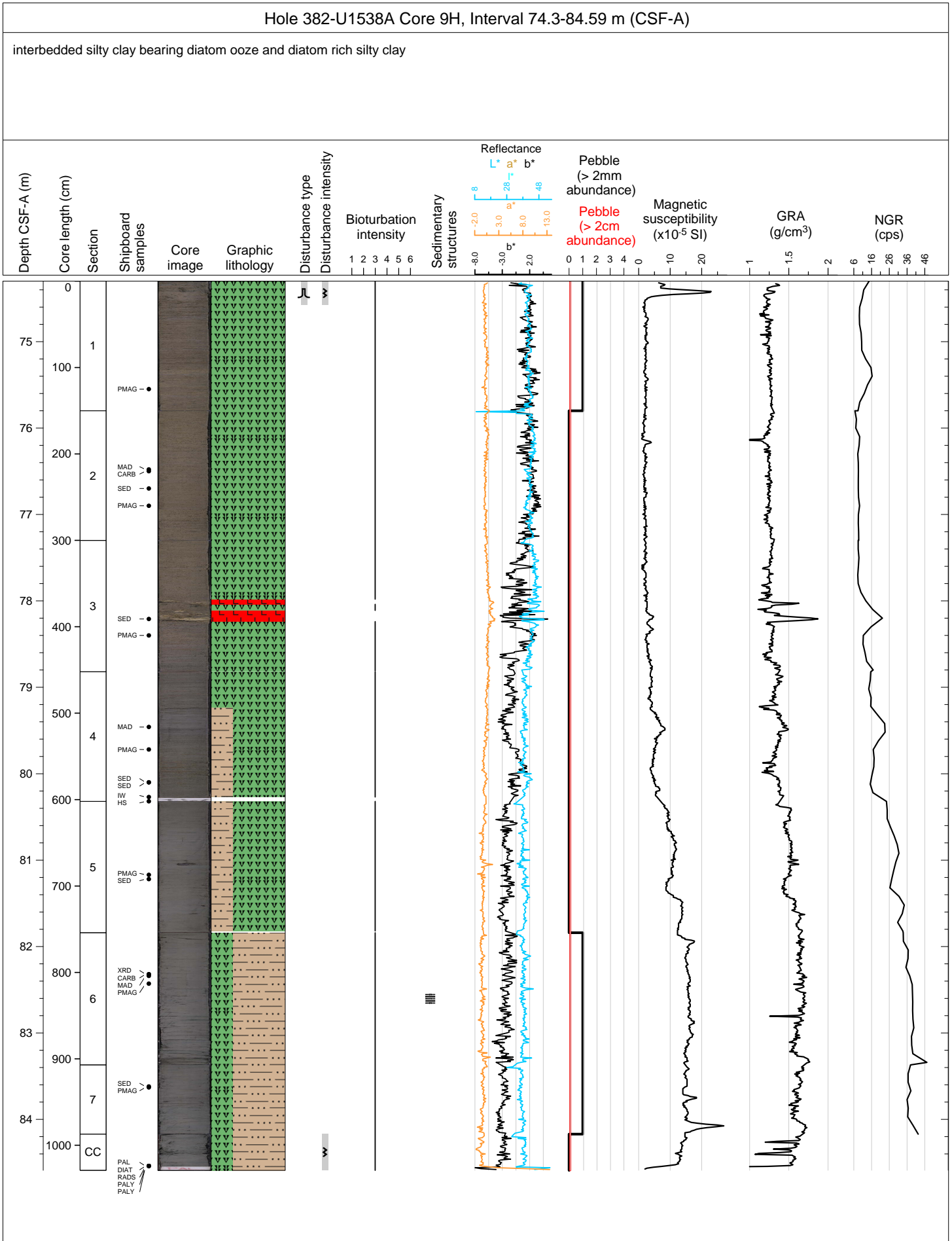


Hole 382-U1538A Core 8H, Interval 64.8-72.66 m (CSF-A)

interbedded silty clay bearing diatom ooze and diatom rich silty clay, dominant carbonat layer in 4A 68-78 cm, ash layer in 5A 81-82 cm

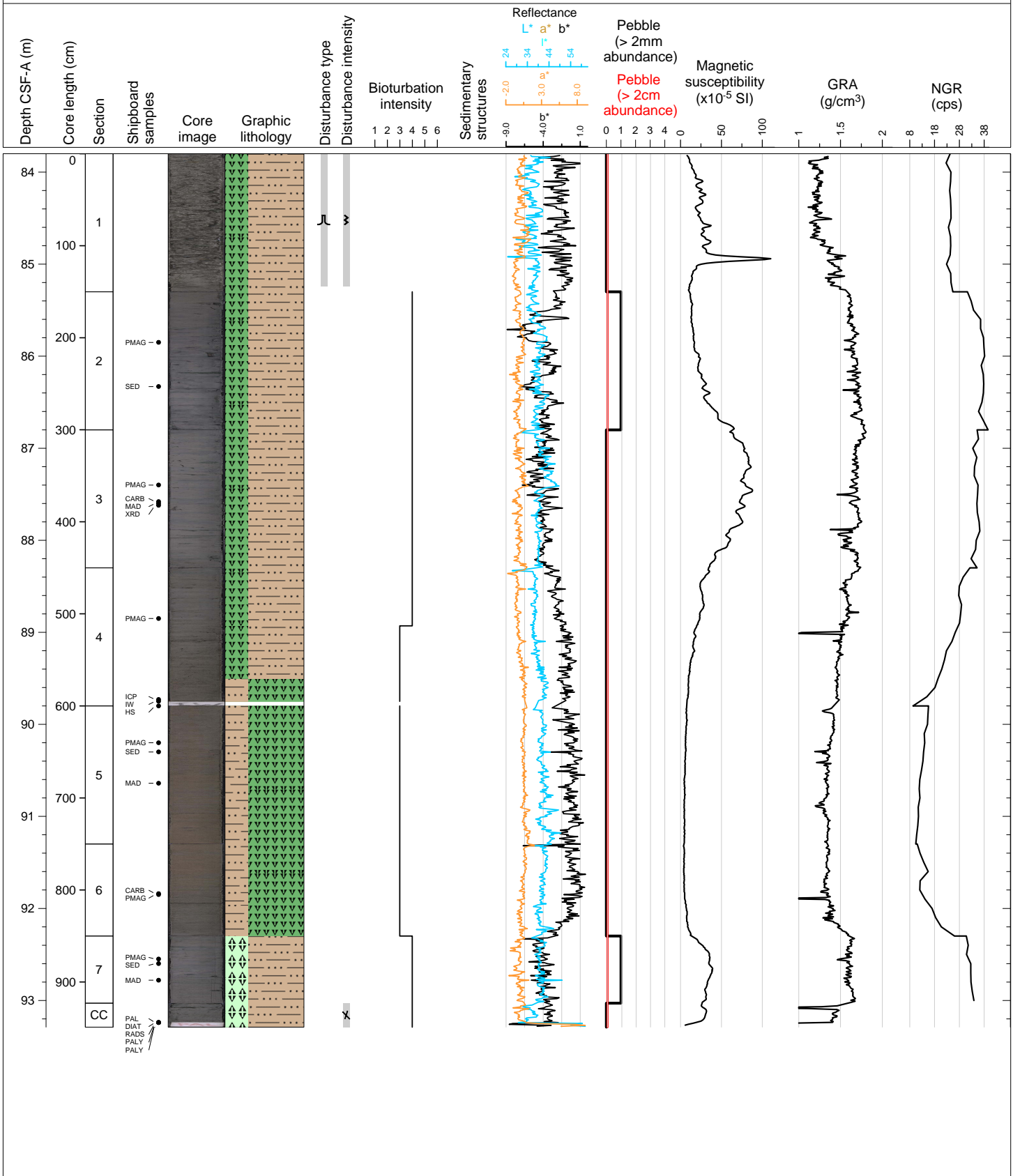






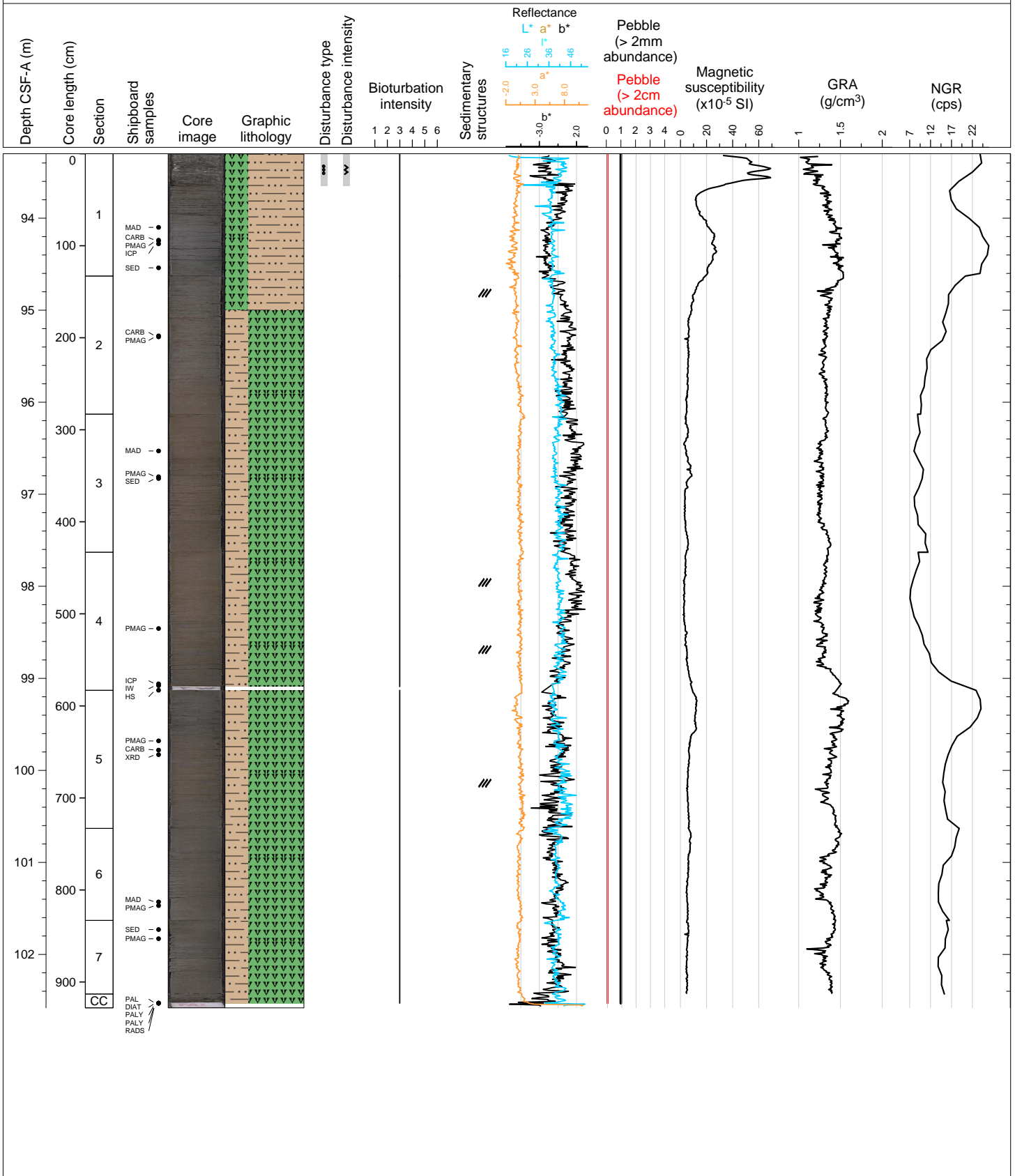
Hole 382-U1538A Core 10H, Interval 83.8-93.29 m (CSF-A)

diatom bearing and diatom rich silty clay, 10GY 4/1 dark greenish gray and silty clay bearing diatom ooze. Transition between the two lithologies is gradual.



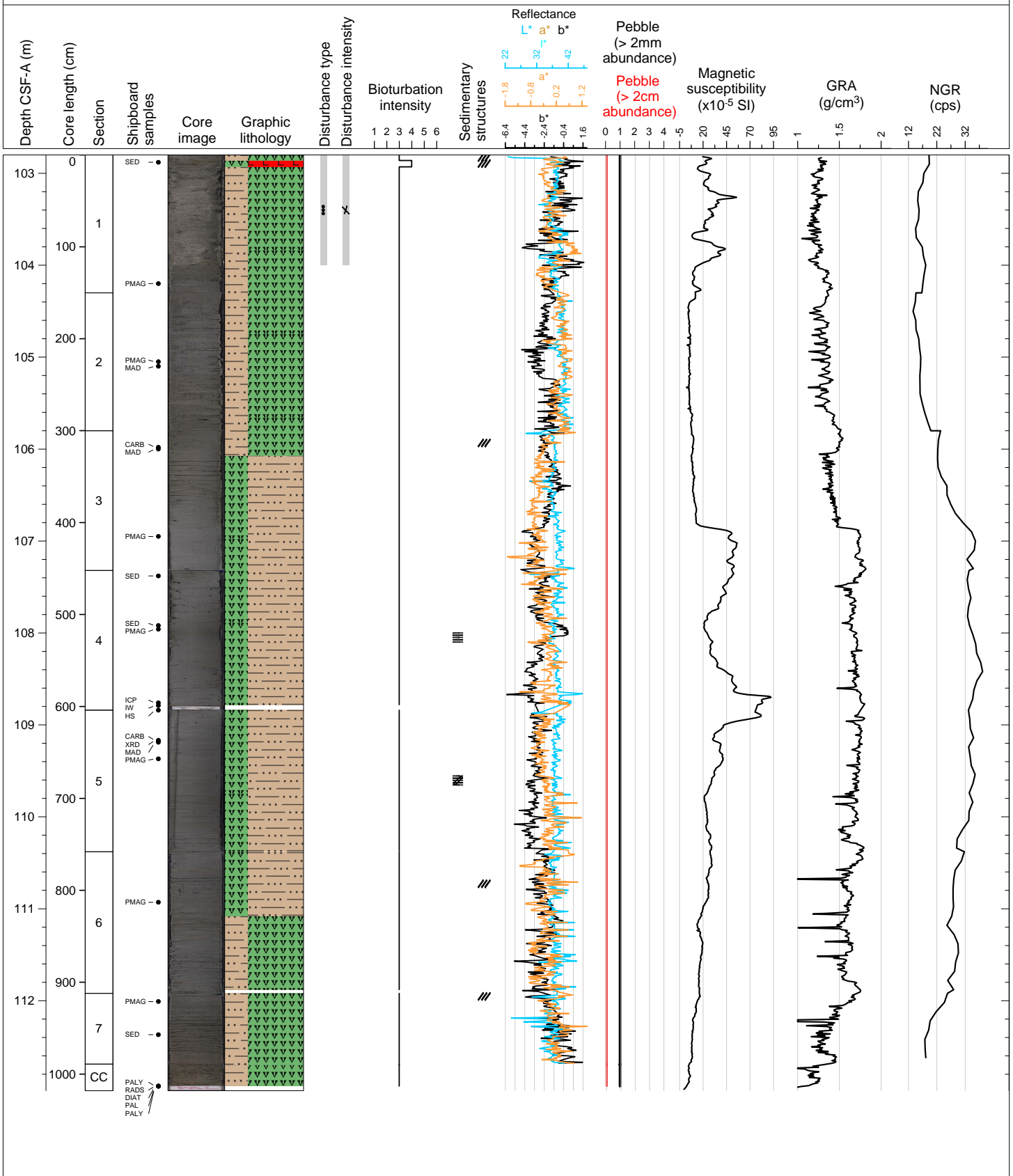
Hole 382-U1538A Core 11H, Interval 93.3-102.58 m (CSF-A)

dark greenish grey silty clay rich/bearing diatom ooze, few IRD identified via X-radiographs



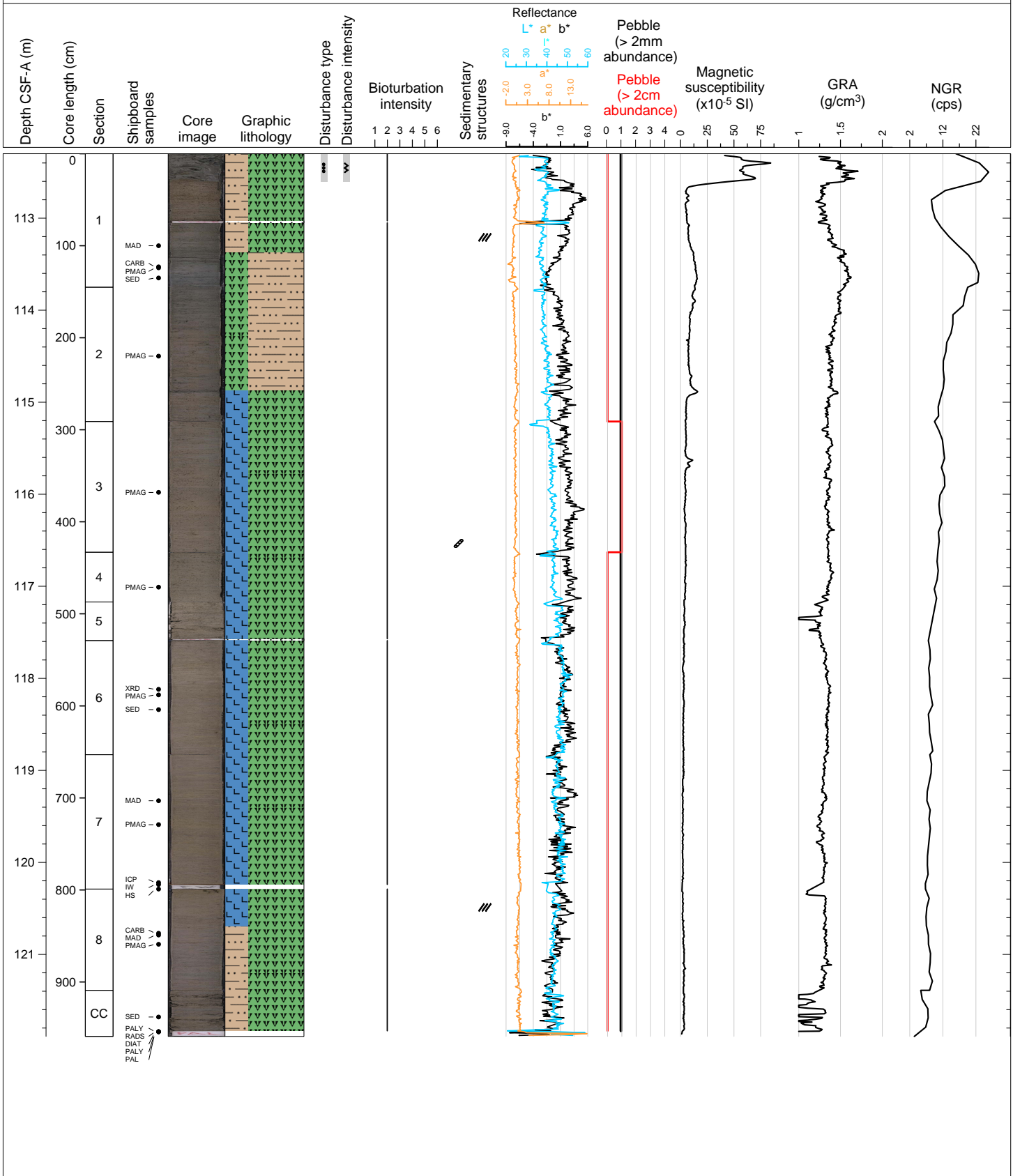
Hole 382-U1538A Core 12H, Interval 102.8-112.98 m (CSF-A)

interbedded dark greenish grey silty clay rich diatom ooze and diatom rich silty clay, carbonate layer in 1A 6-13 cm



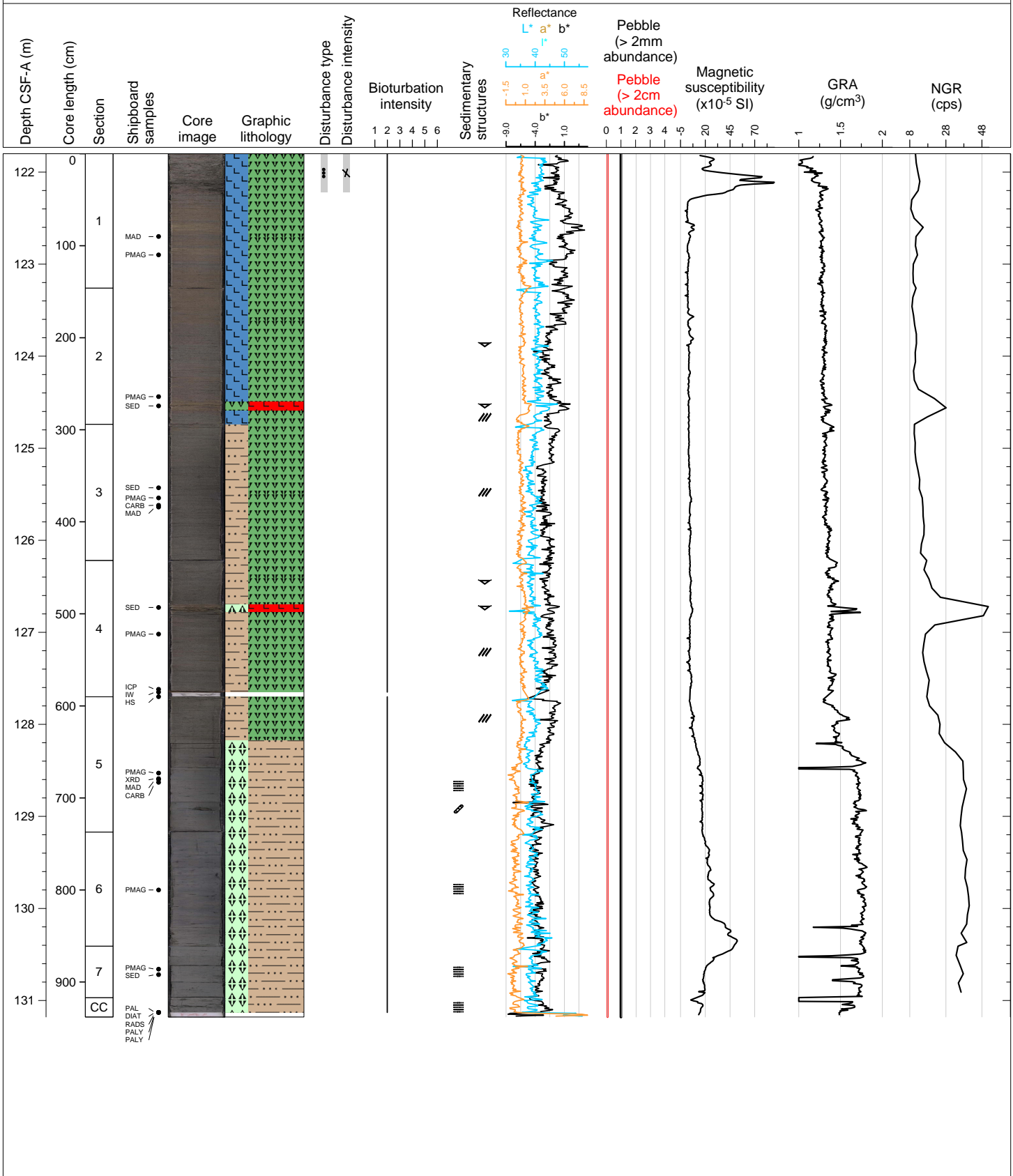
Hole 382-U1538A Core 13H, Interval 112.3-121.89 m (CSF-A)

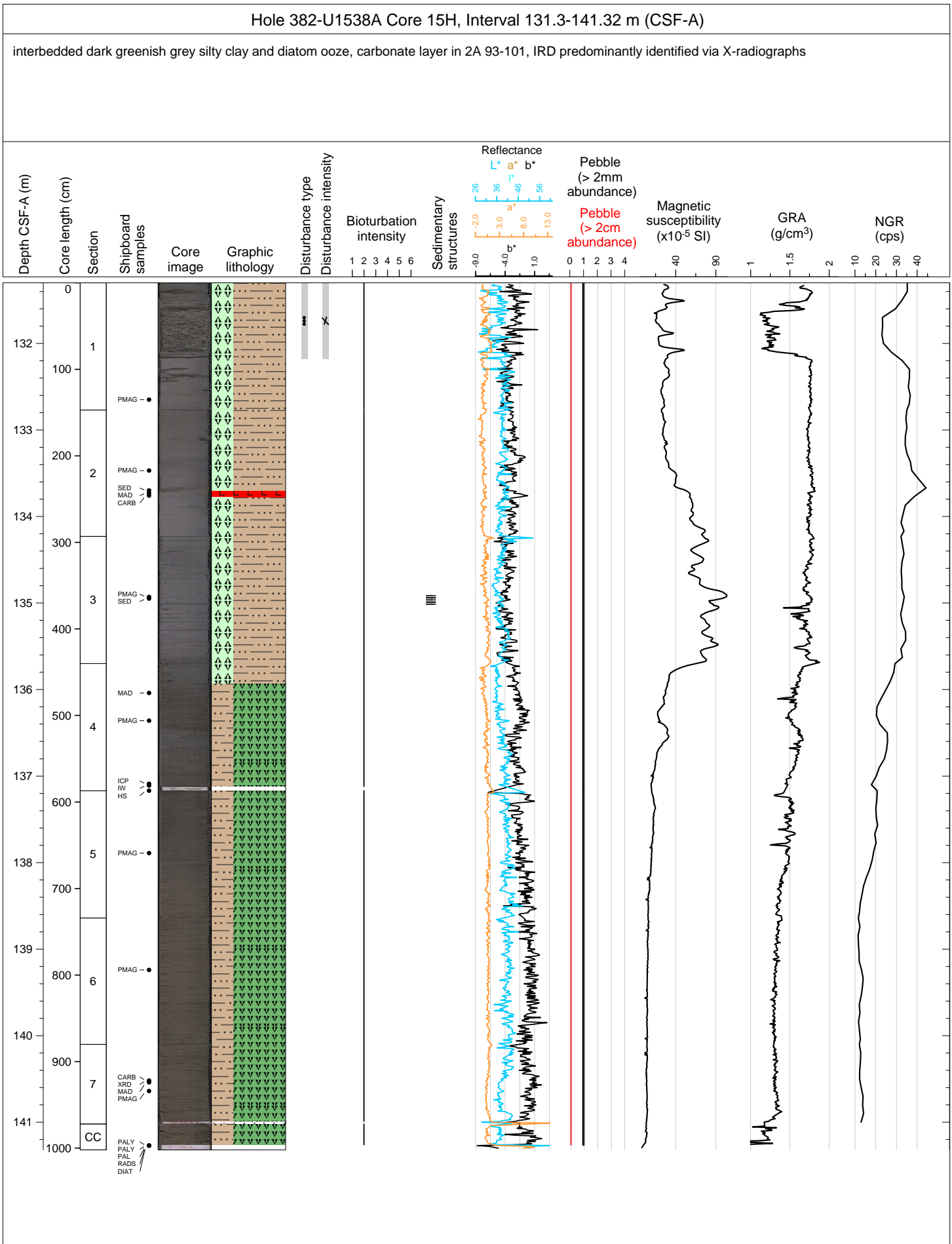
interbedded diatom rich silty clay and greenish to dark greenish grey diatom ooze, lighter (greenish grey) oozes are carbonate bearing (nanofossils & foraminifers), IRD identified via X-radiographs



Hole 382-U1538A Core 14H, Interval 121.8-131.18 m (CSF-A)

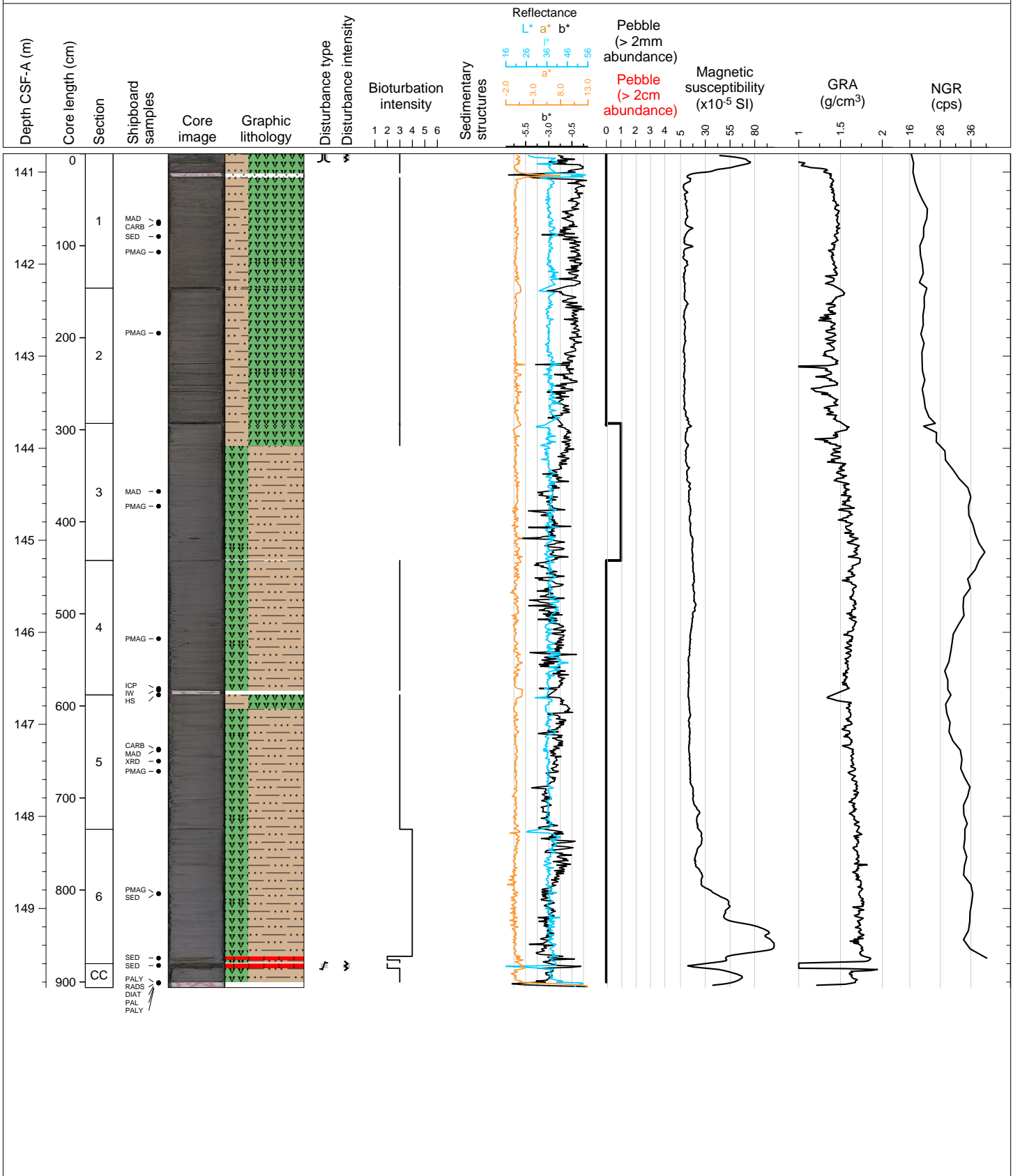
interbedded carbonate bearing (foraminifers & nannofossils) diatom ooze and diatom rich silty clay, carbonate layers in 2A @ 121-133 cm & 4A 47-56





Hole 382-U1538A Core 16H, Interval 140.8-149.86 m (CSF-A)

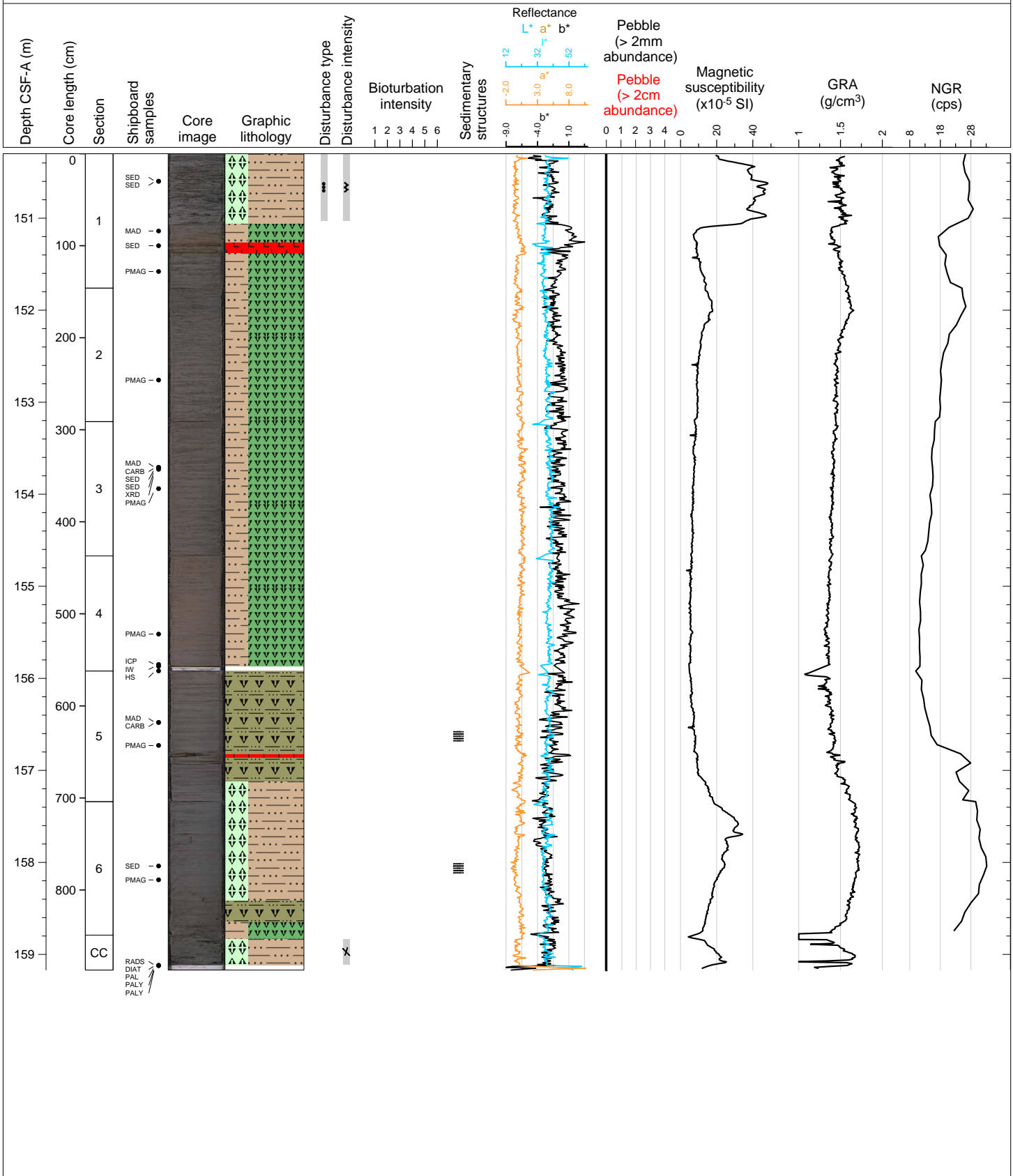
silty clay rich diatom ooze, 10Y 4/1 dark greenish gray and diatom bearing silty clay 5GY 4/1 dark greenish gray with gradual transitions. Carbonate layers at the bottom of Section 6 and top of CC

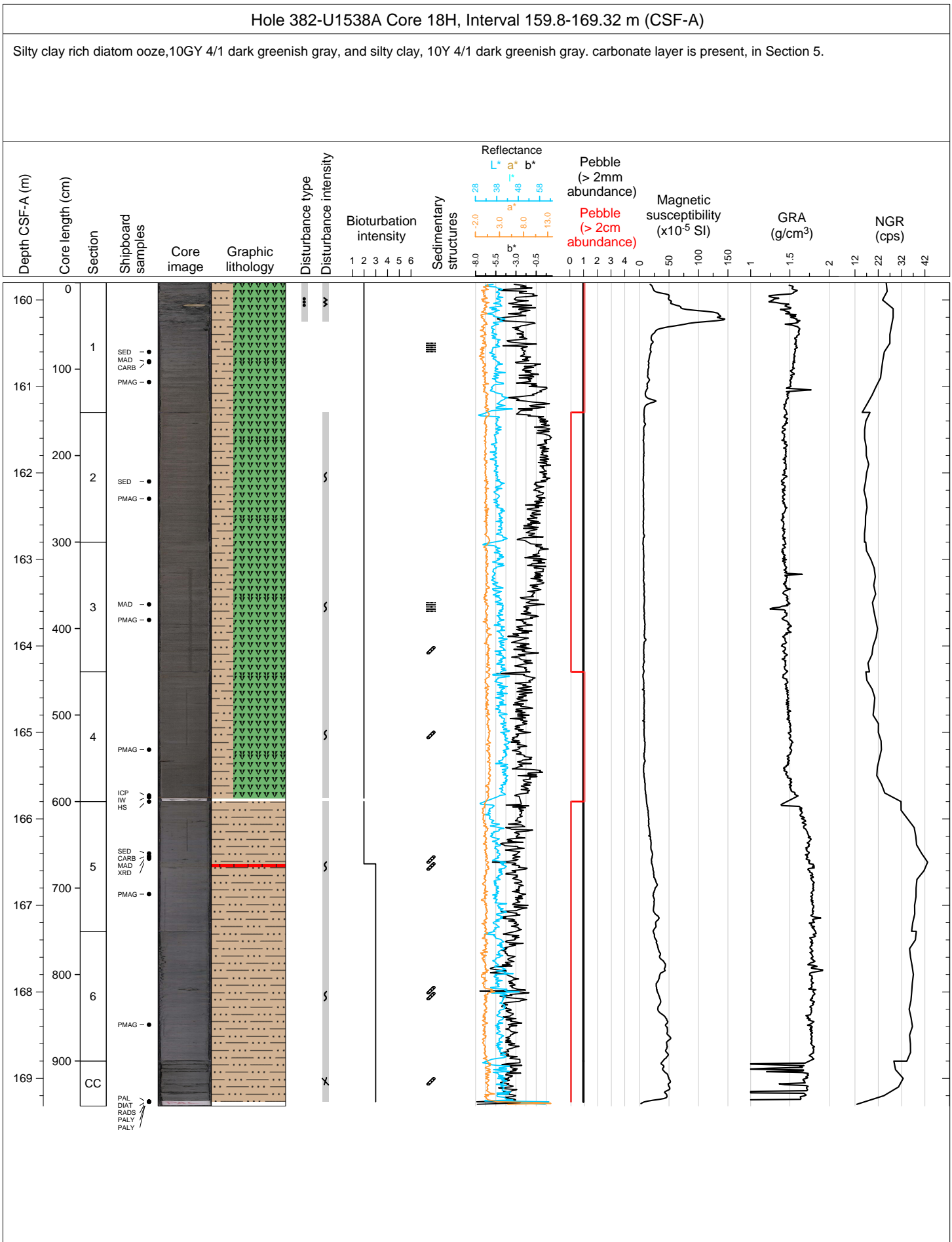




Hole 382-U1538A Core 17H, Interval 150.3-159.17 m (CSF-A)

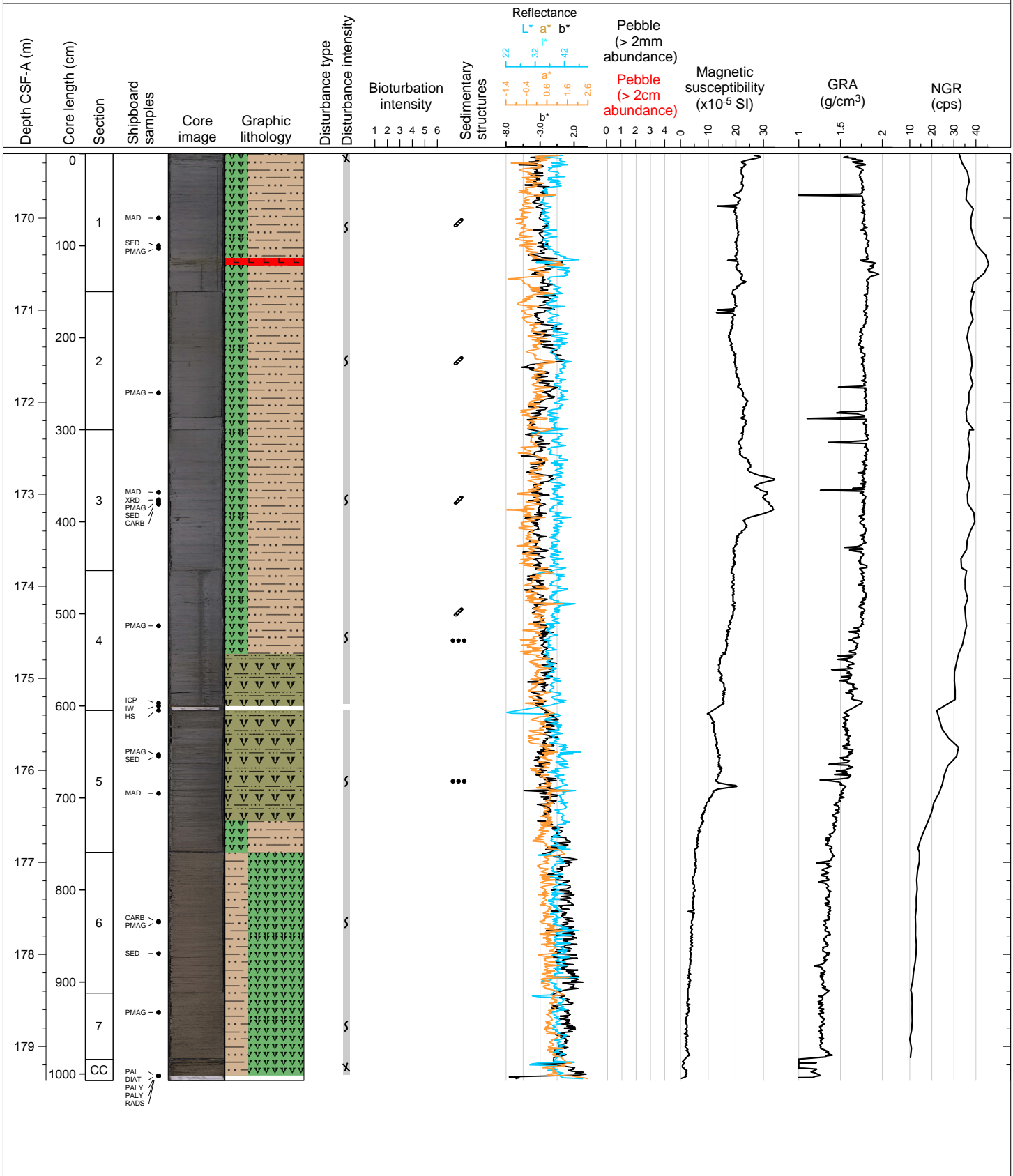
Silty clay rich diatom ooze, 10GY 4/1 dark greenish gray, and biosiliceous bearing silty clay, 10Y 5/1 greenish gray. Transitions are gradual and lithologies are interbedded in Section 5. Two lithified carbonate layers are present, in Sections 1 and 5.





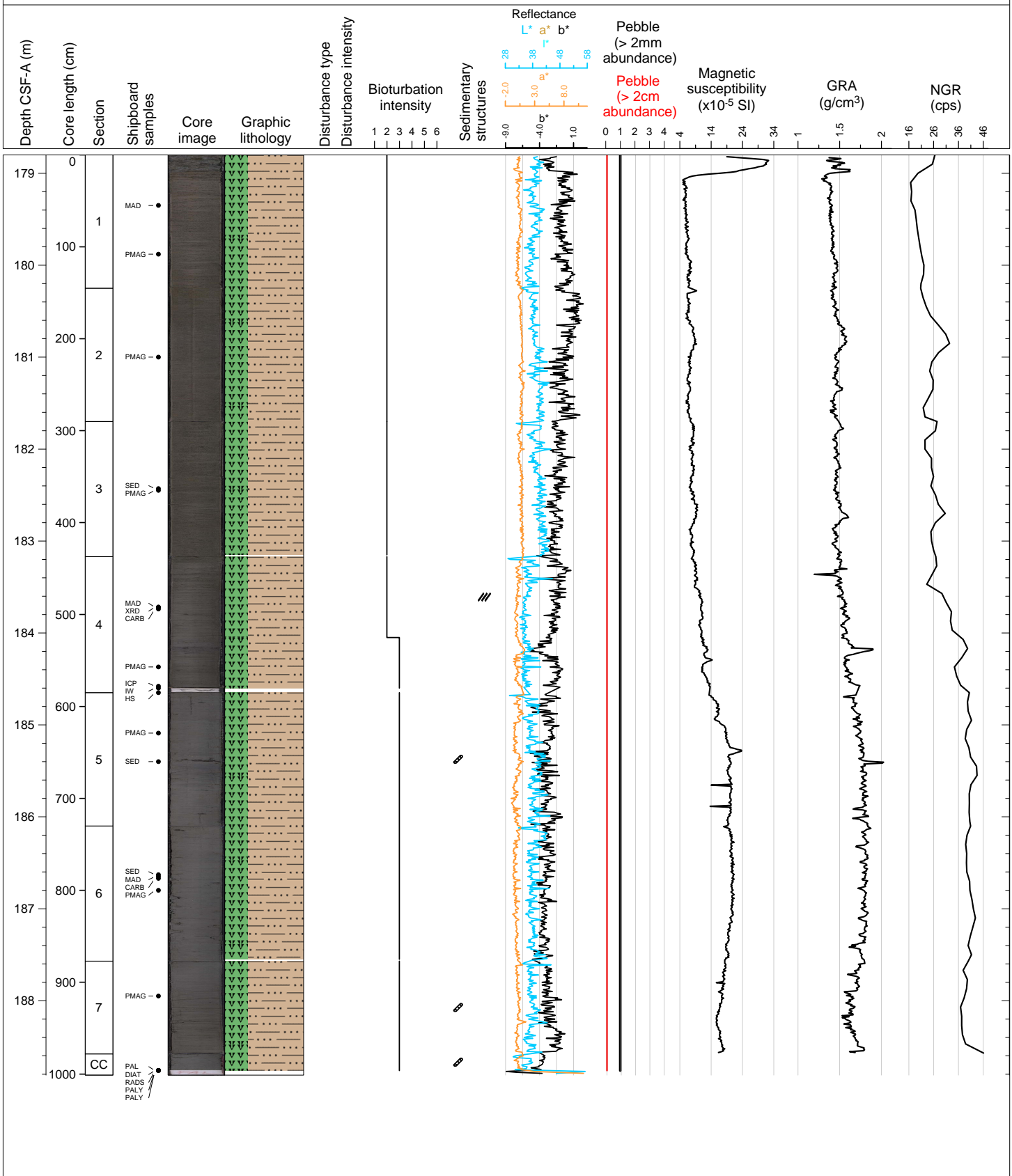
Hole 382-U1538A Core 19H, Interval 169.3-179.37 m (CSF-A)

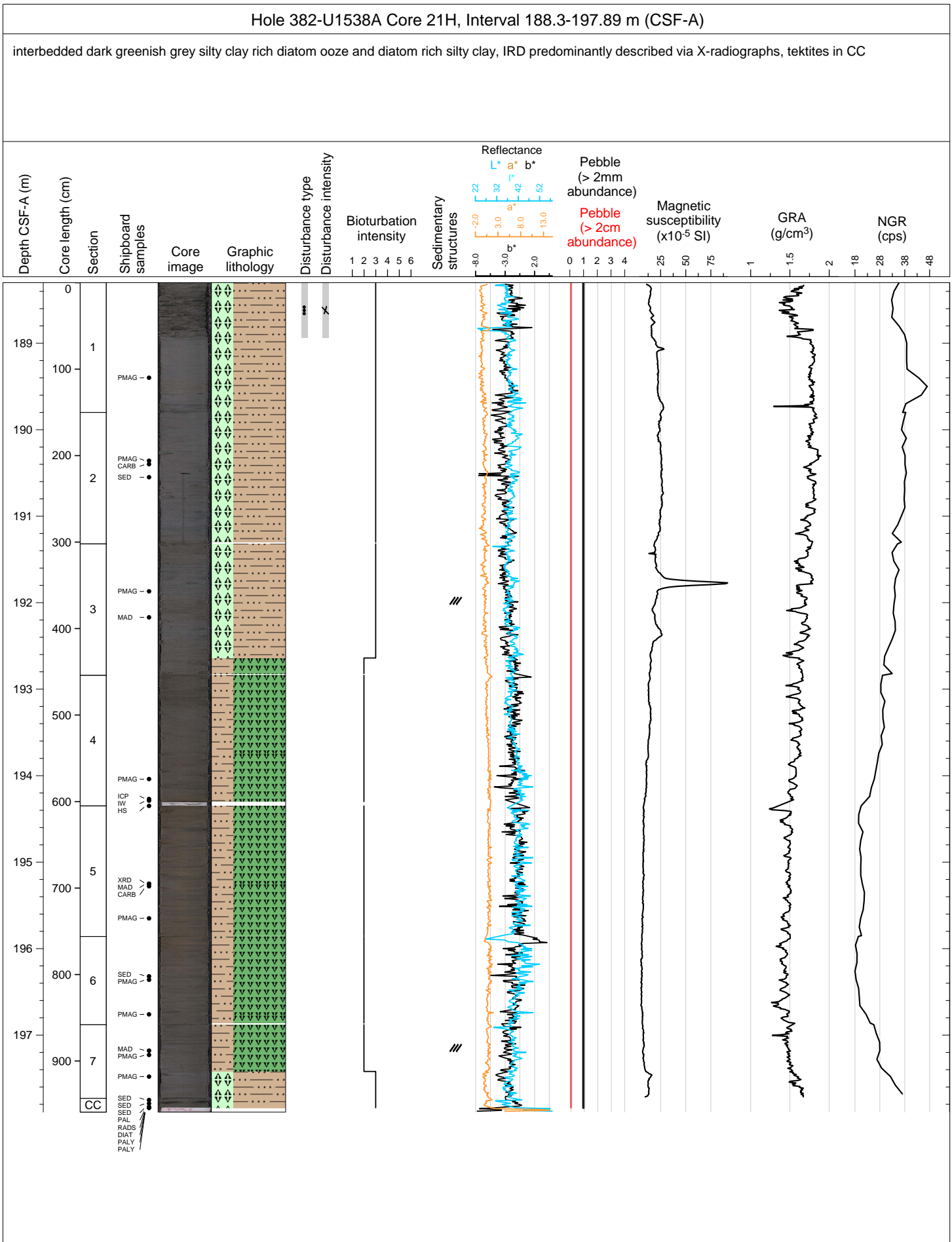
10GY 4/1 dark greenish gray diatom bearing silty clay at the top of the core, 10Y 4/1 dark greenish gray, silty clay bearing diatom ooze in the lower part. Gradational and interbedded in Sections 4 and 5. Carbonate layer in Section 1, 113-121 cm.



Hole 382-U1538A Core 20H, Interval 178.8-188.81 m (CSF-A)

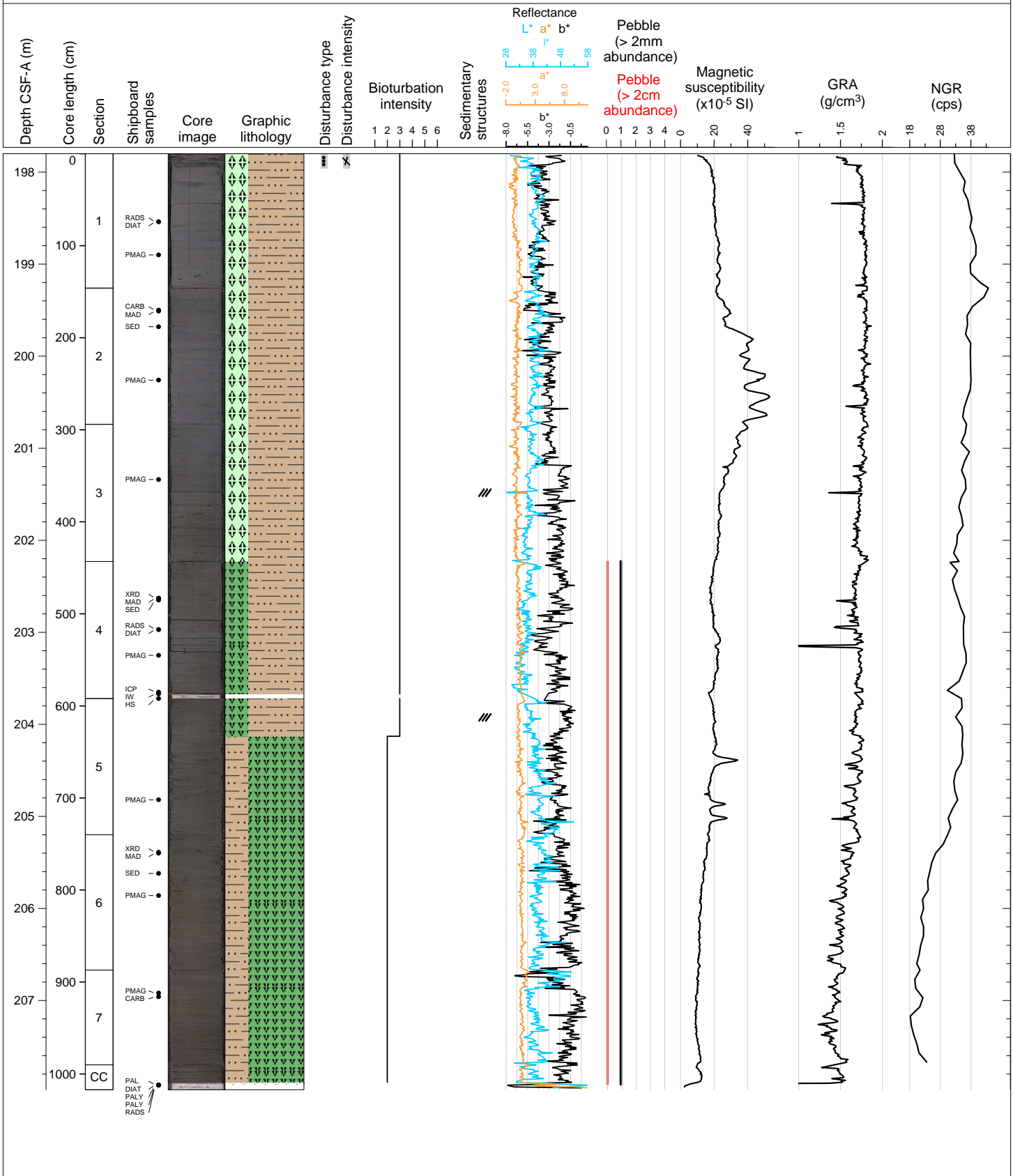
interbedded dark greenish grey diatom ooze and silty clay, IRD predominantly described via X-radiographs, bioturbated layer of dark grey clayey silt with pyritized biosilica in 5A 75-76 cm

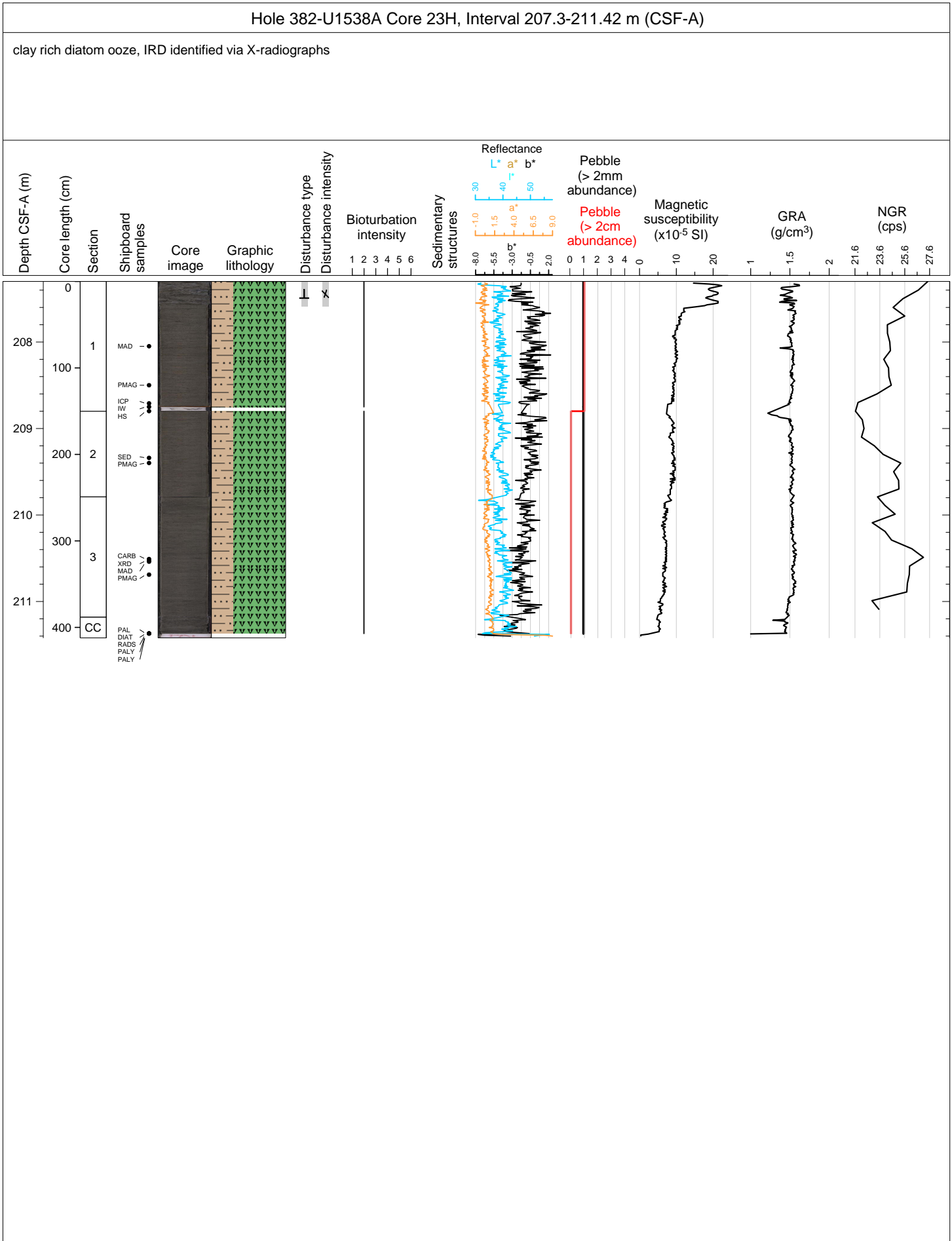


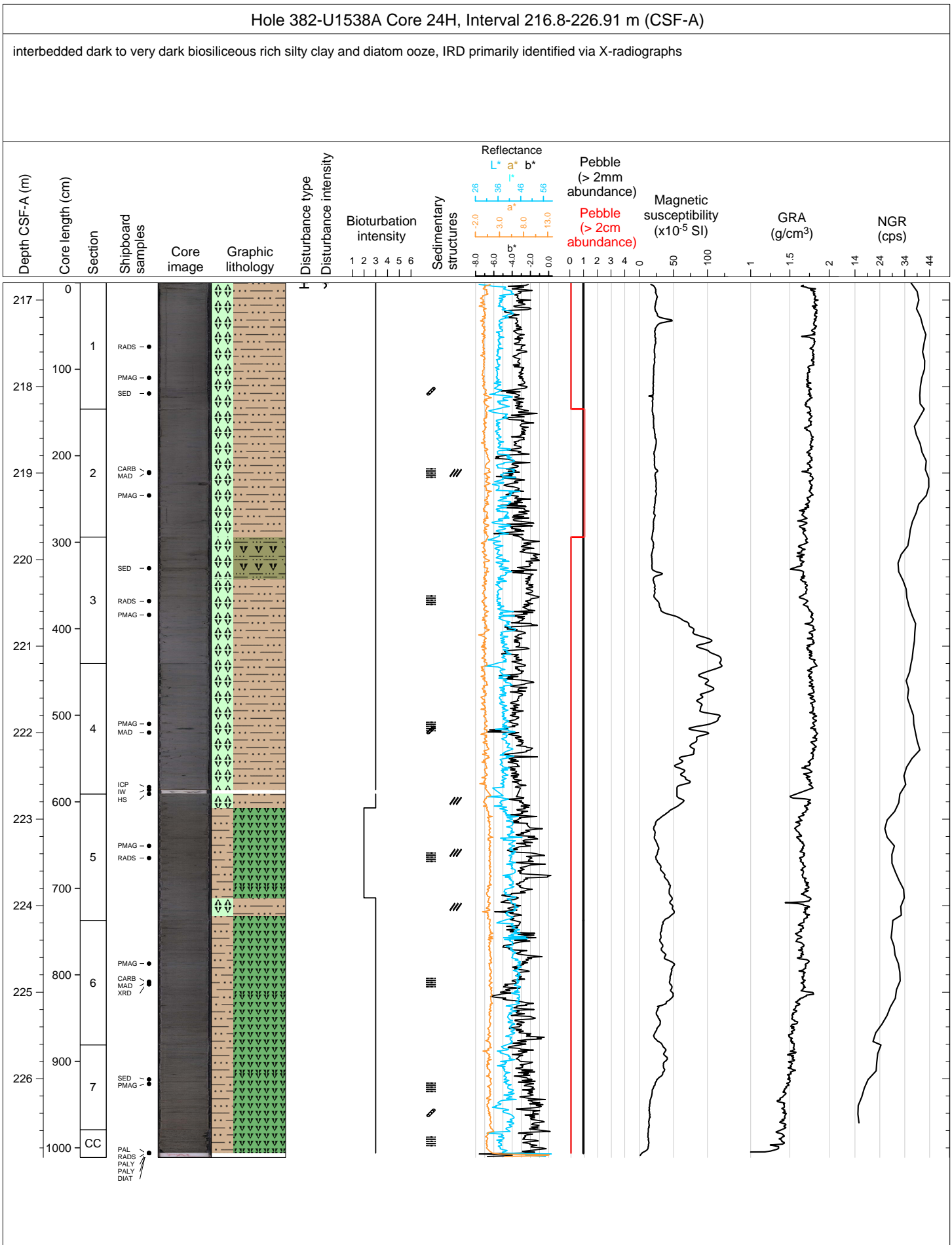


Hole 382-U1538A Core 22H, Interval 197.8-207.97 m (CSF-A)

interbedded dark greenish grey diatom bearing silty clay rich silty clay rich diatom ooze and diatom rich silty clay, IRD predominantly described via X-radiographs



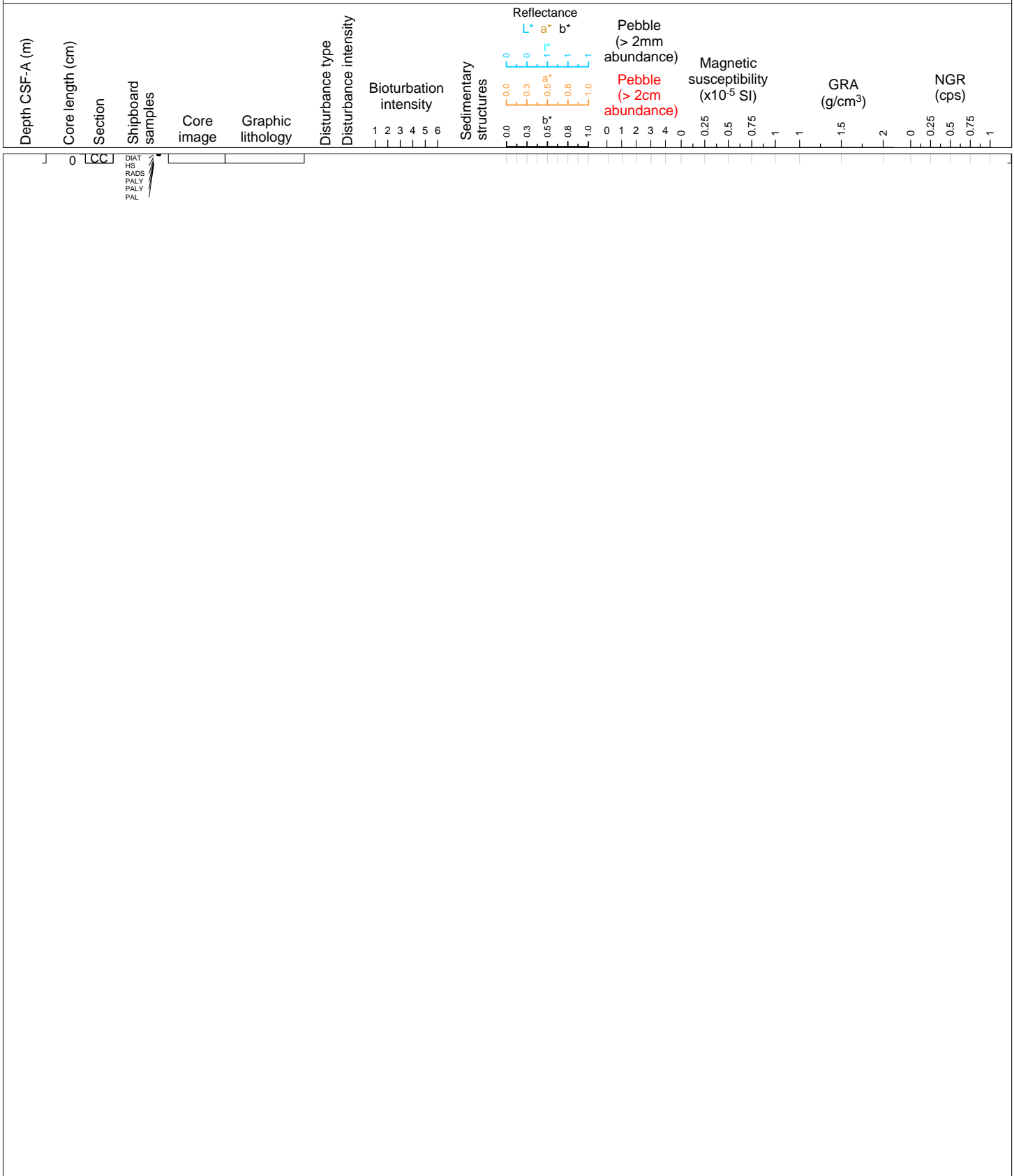






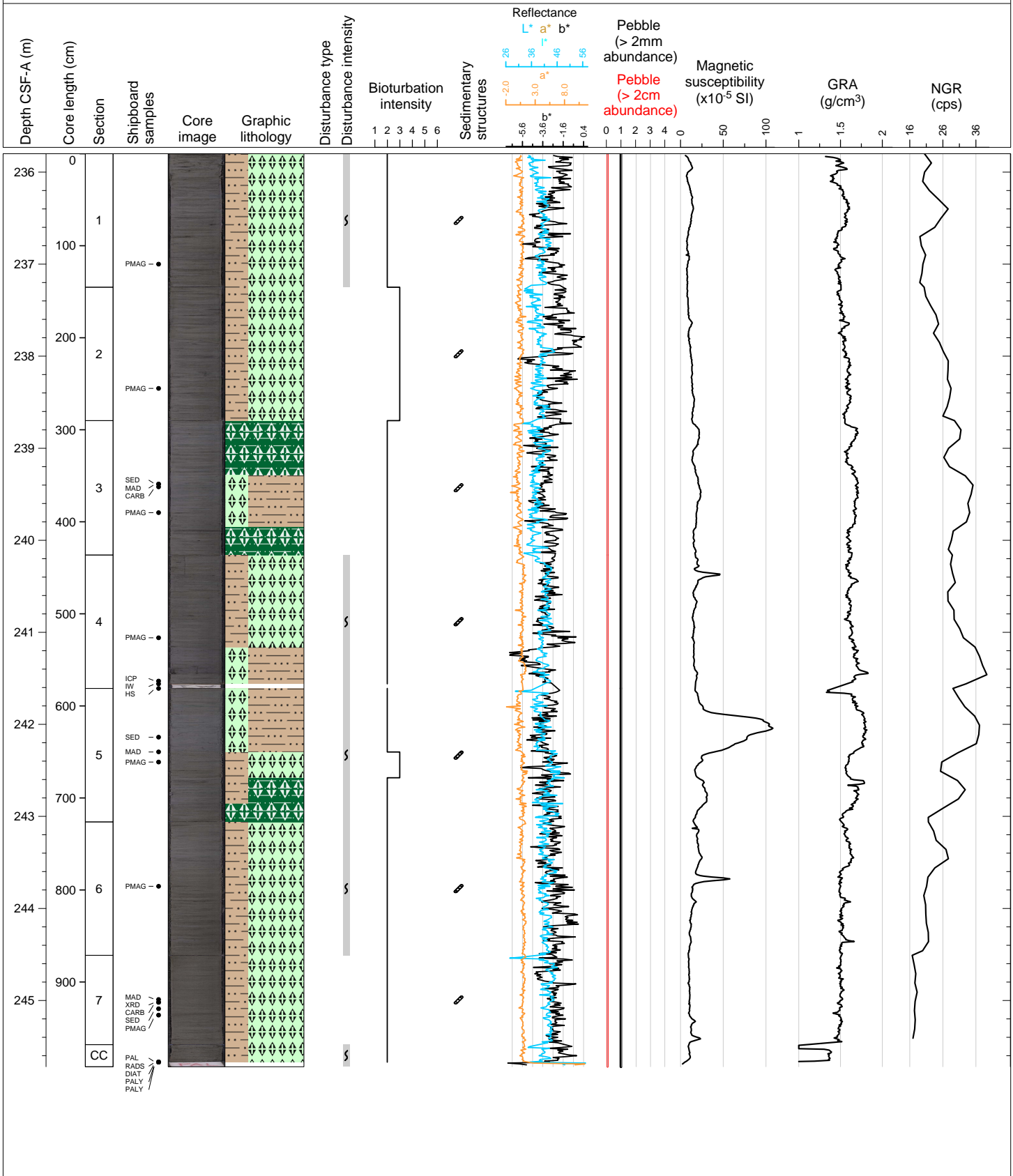
Hole 382-U1538A Core 25H, Interval 226.3-226.4 m (CSF-A)

ALL TO PALEO



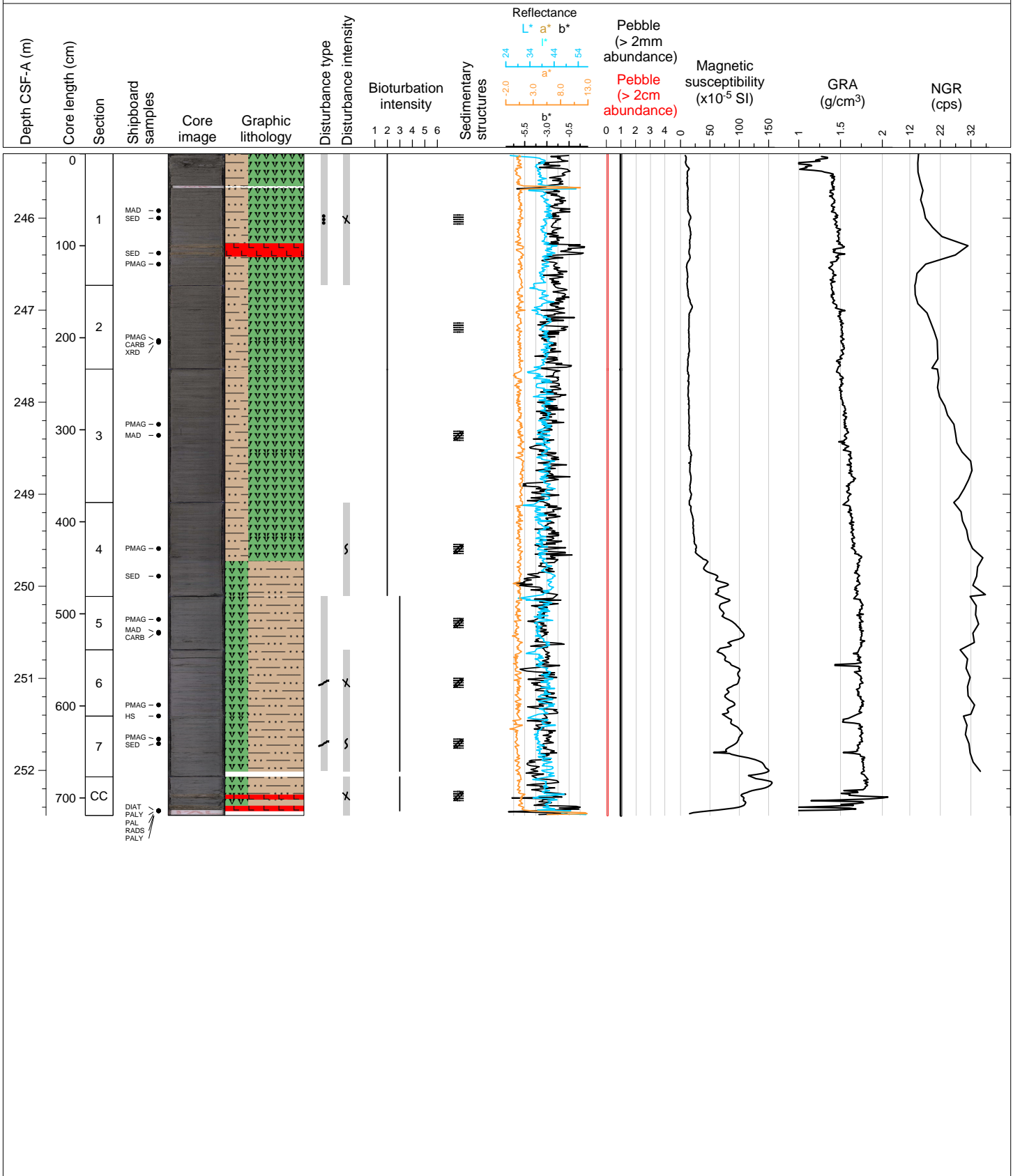
Hole 382-U1538A Core 26H, Interval 235.8-245.72 m (CSF-A)

Interbedded biosiliceous bearing silty clay and silty clay rich biosiliceous ooze.



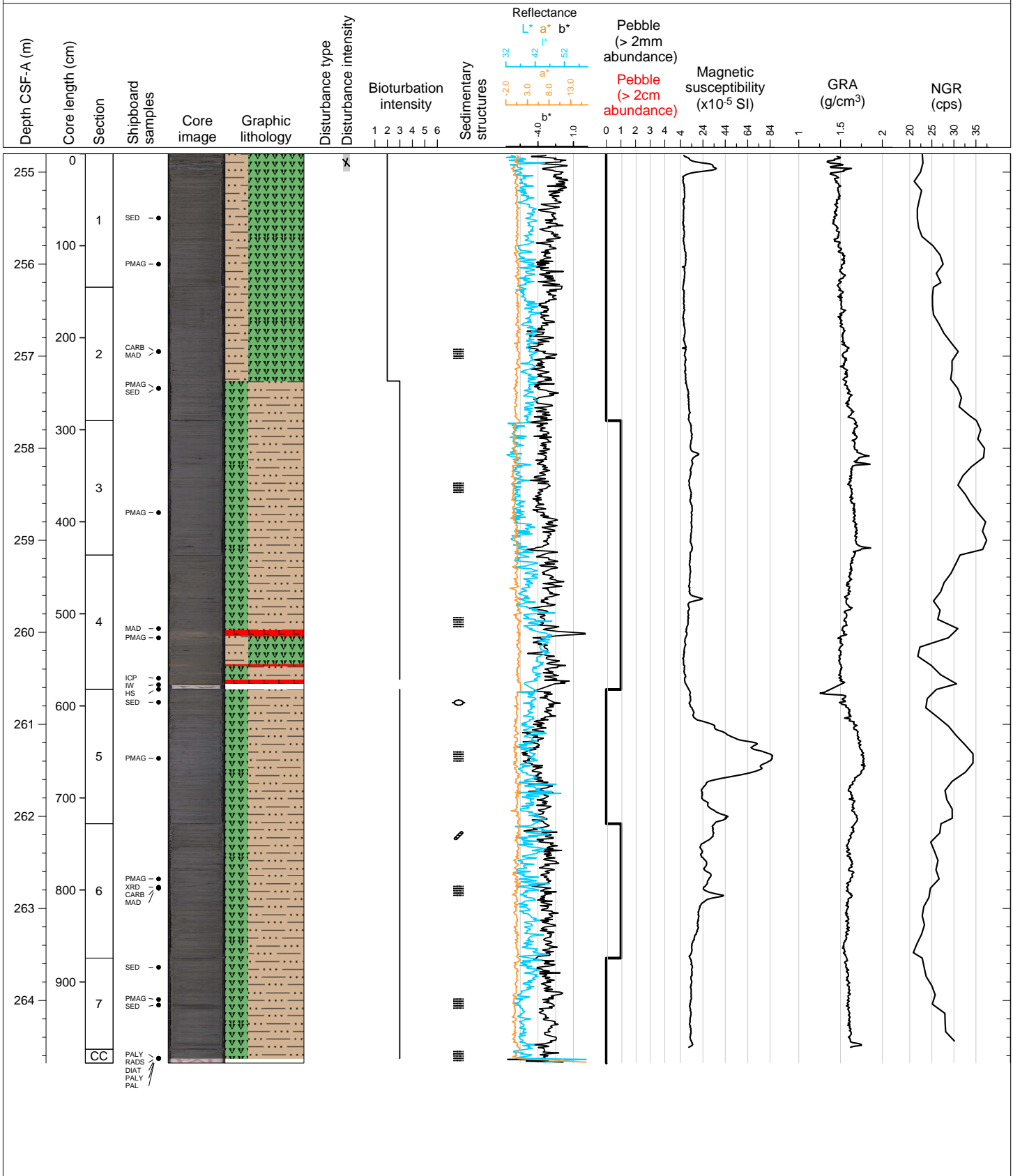
Hole 382-U1538A Core 27H, Interval 245.3-252.49 m (CSF-A)

silty clay rich diatom ooze and diatom rich or bearing silty clay. Carbonate layers are present in Sections 1 and CC.



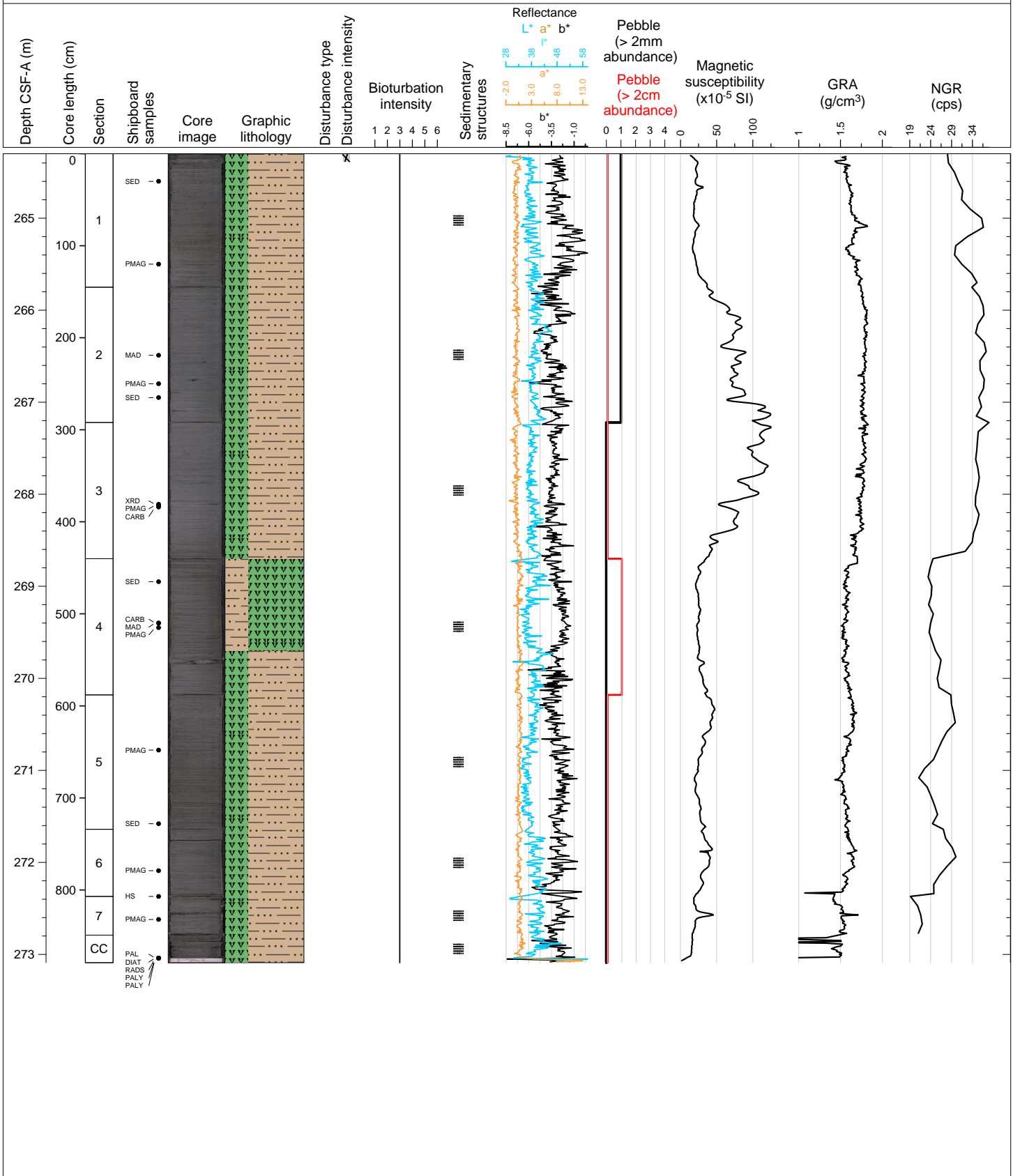
Hole 382-U1538A Core 28H, Interval 254.8-264.68 m (CSF-A)

Dominantly 5GY 4/1 dark greenish gray diatom rich silty clay with some 10Y 4/1 dark greenish gray silty clay rich diatom ooze. Color banding and pyritized blebs common. Dispersed diagenetic carbonate material, Section 4, 83-140.



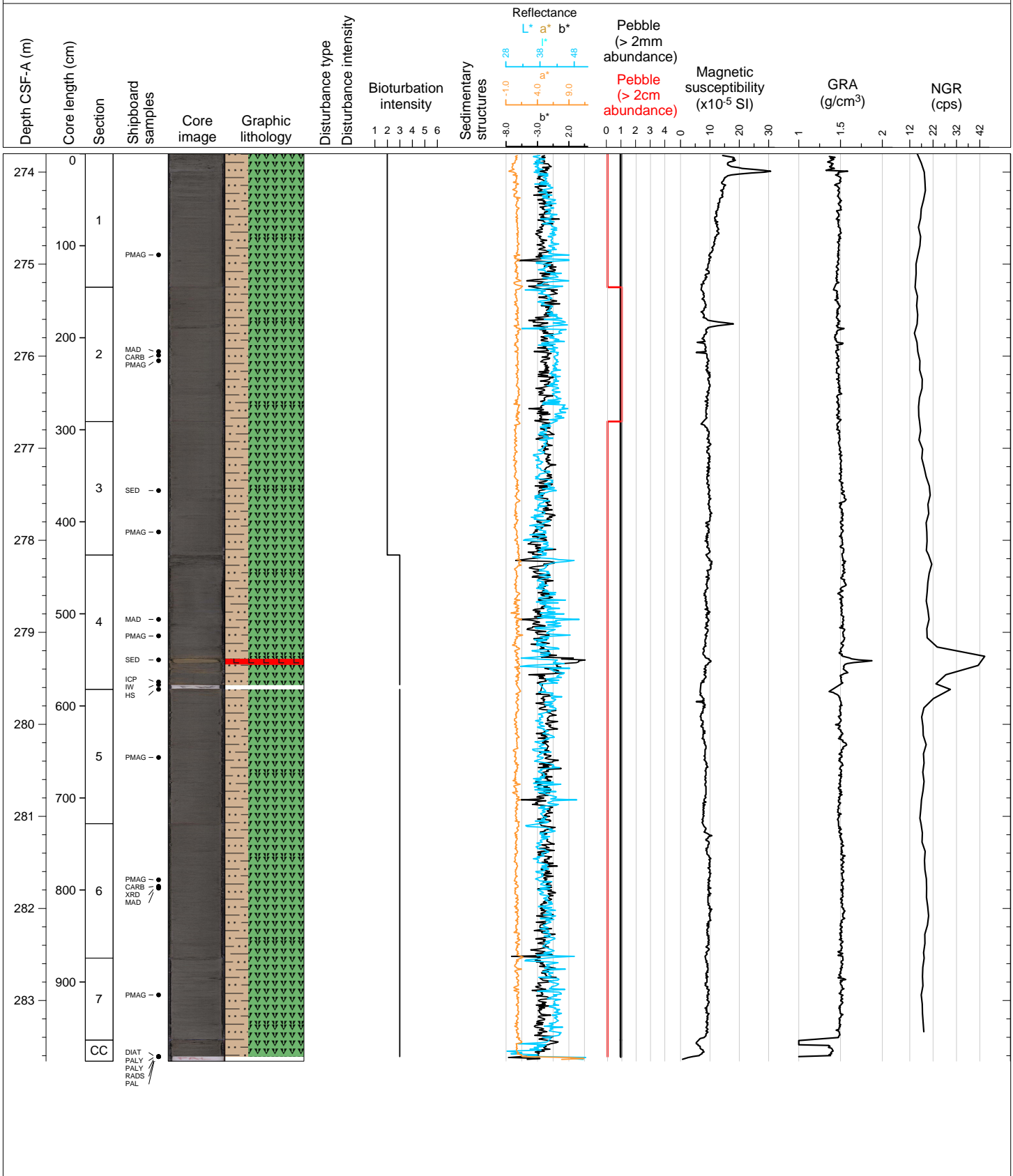
Hole 382-U1538A Core 29H, Interval 264.3-273.09 m (CSF-A)

Dominantly 5GY 4/1 dark greenish gray diatom rich silty clay with gradual transition to diatom bearing silty clay and silty clay rich diatom ooze. Unusual dropstone in Section 4, 109-114 cm.



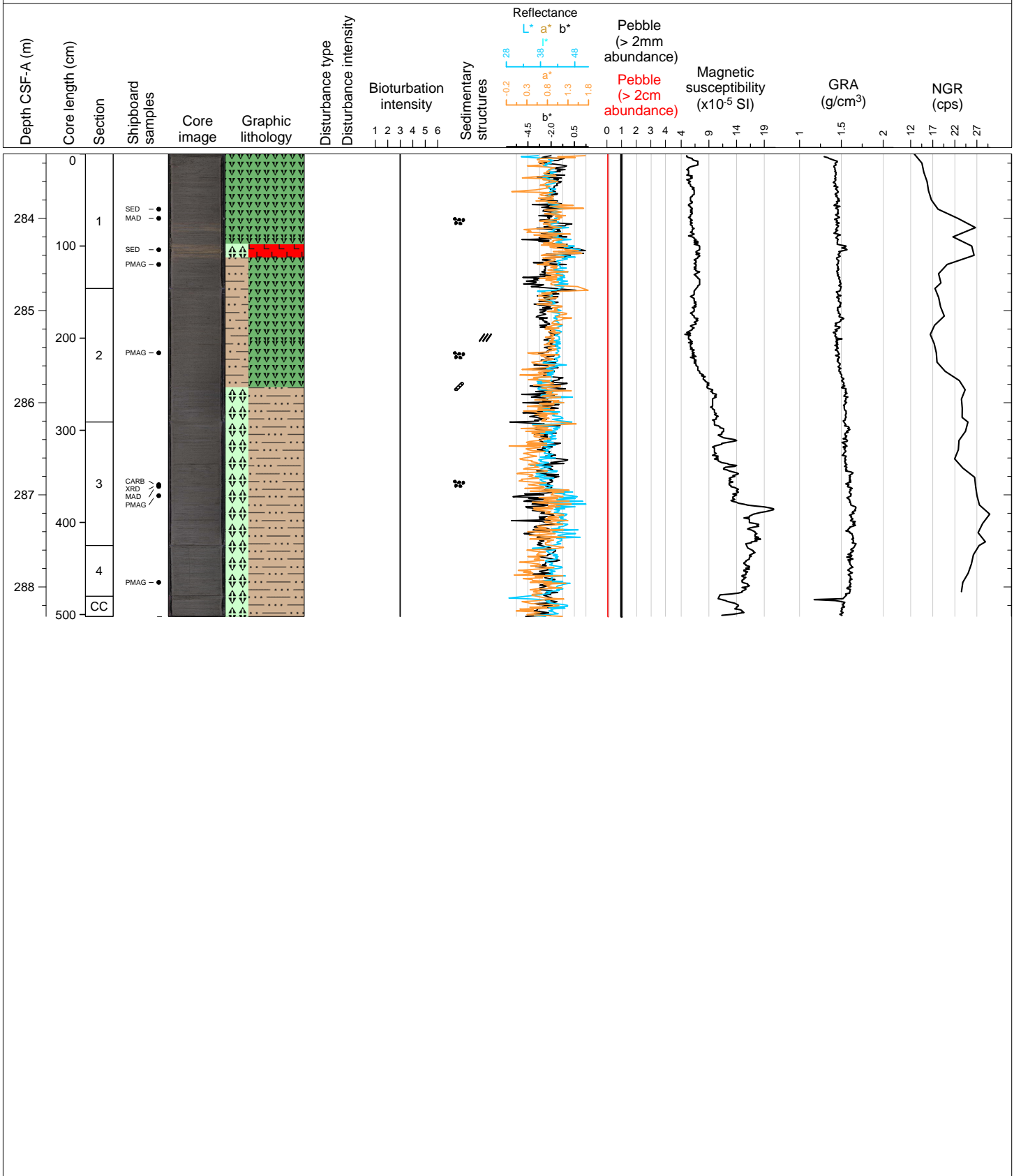
Hole 382-U1538A Core 30H, Interval 273.8-283.66 m (CSF-A)

very dark greenish grey silty clay rich diatom ooze, carbonate layer (nodule) in 4A 111-119 cm



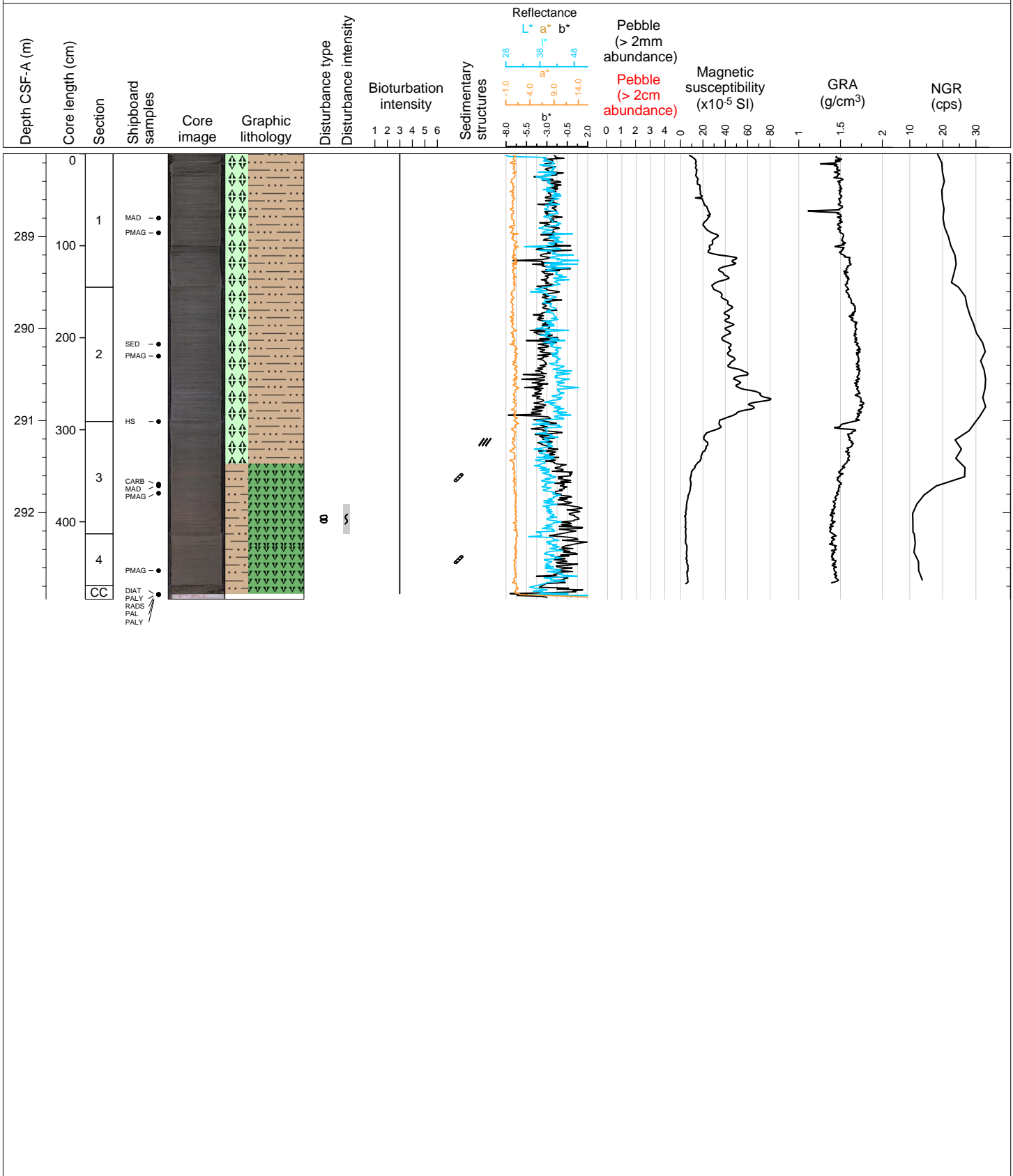
Hole 382-U1538A Core 31F, Interval 283.3-288.32 m (CSF-A)

dark greenish grey diatom ooze, carbonate layer in 1A 98-112 cm, 2A - CCA more bluish



Hole 382-U1538A Core 32F, Interval 288.1-292.94 m (CSF-A)

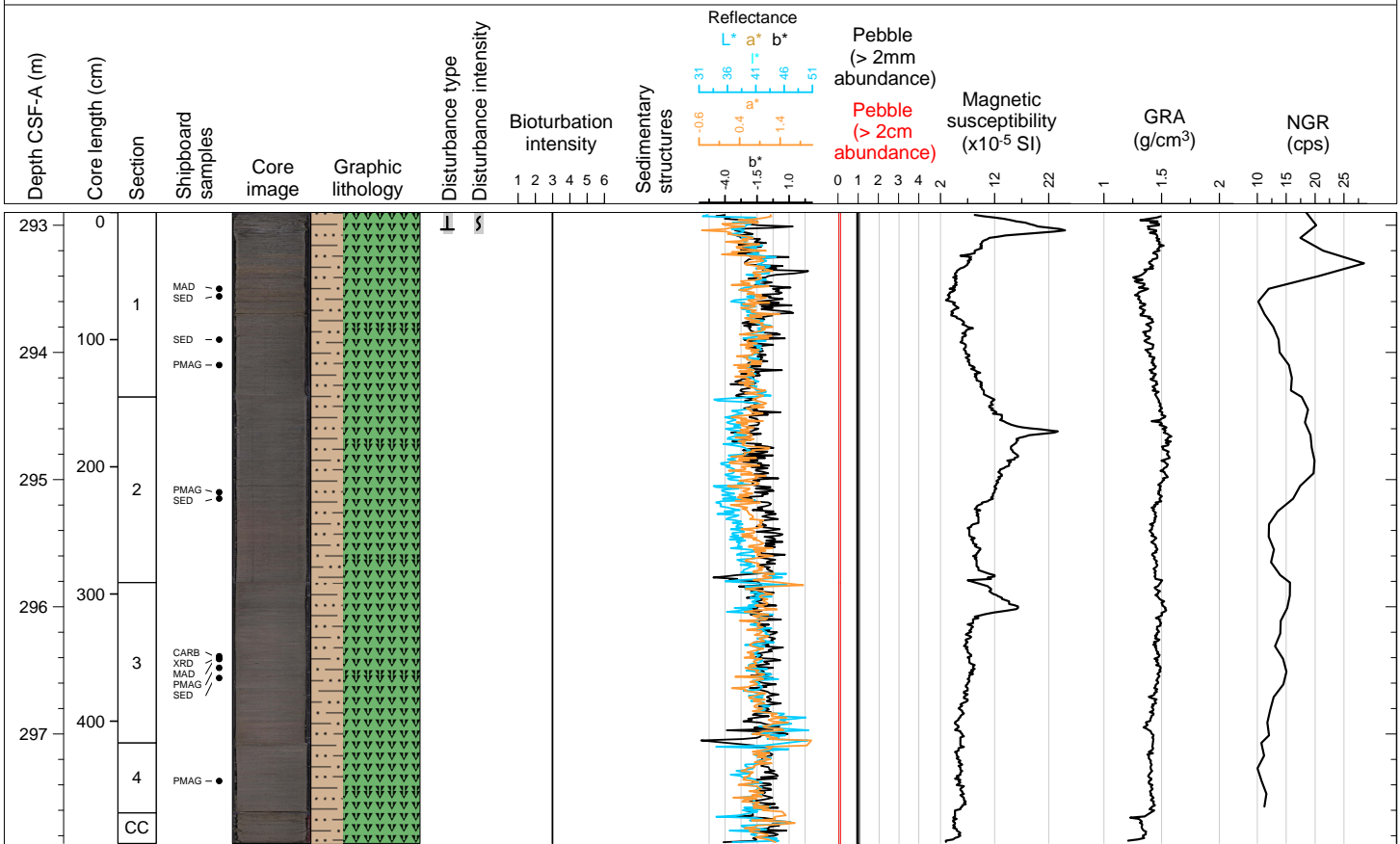
interbedded dark greenish grey silty clay rich diatom ooze and biosiliceous rich silty clay, 1A - 2A more bluish





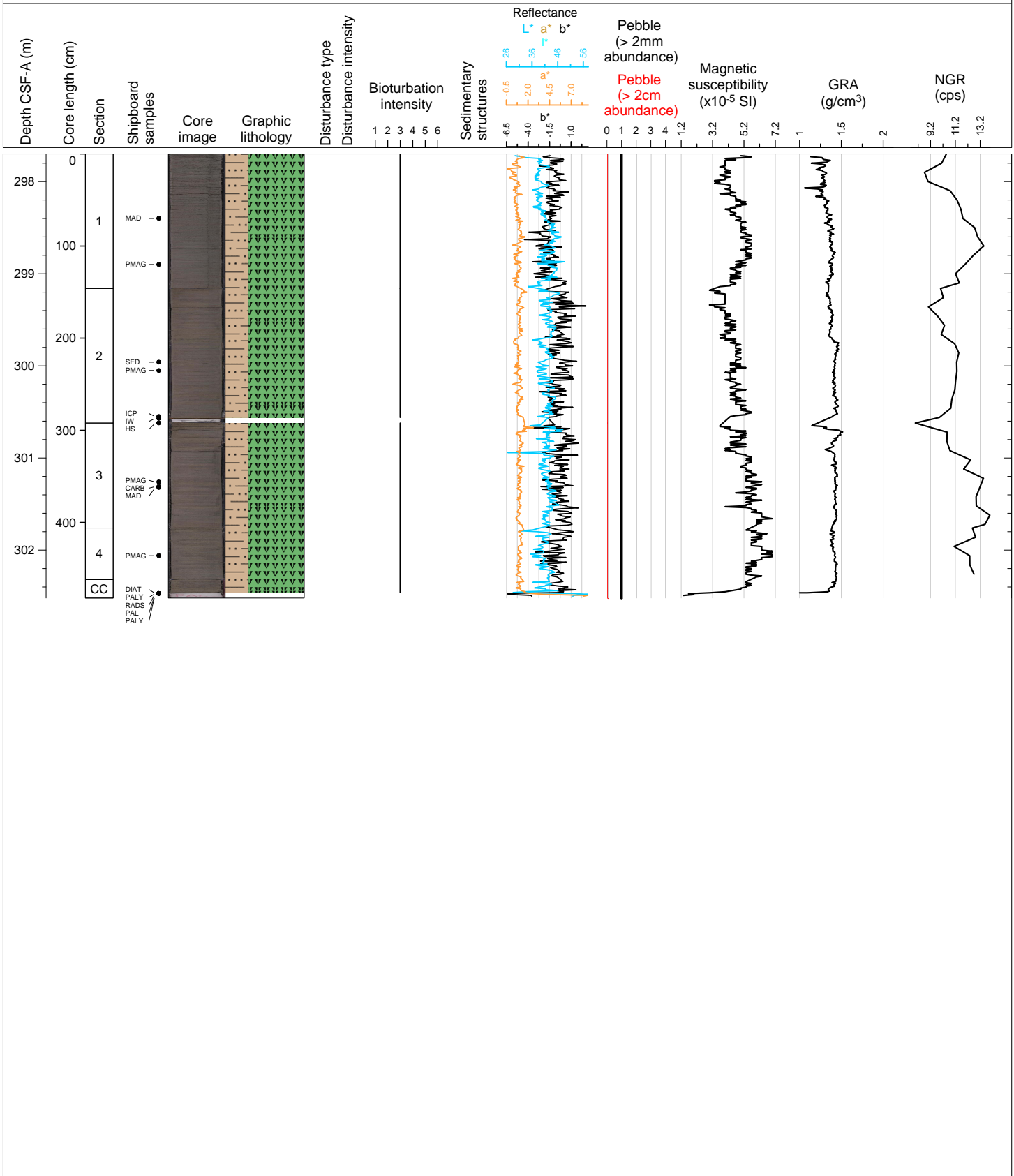
Hole 382-U1538A Core 33F, Interval 292.9-297.86 m (CSF-A)

dark greenish grey diatom ooze, IRD primarily identified via X-radiographs



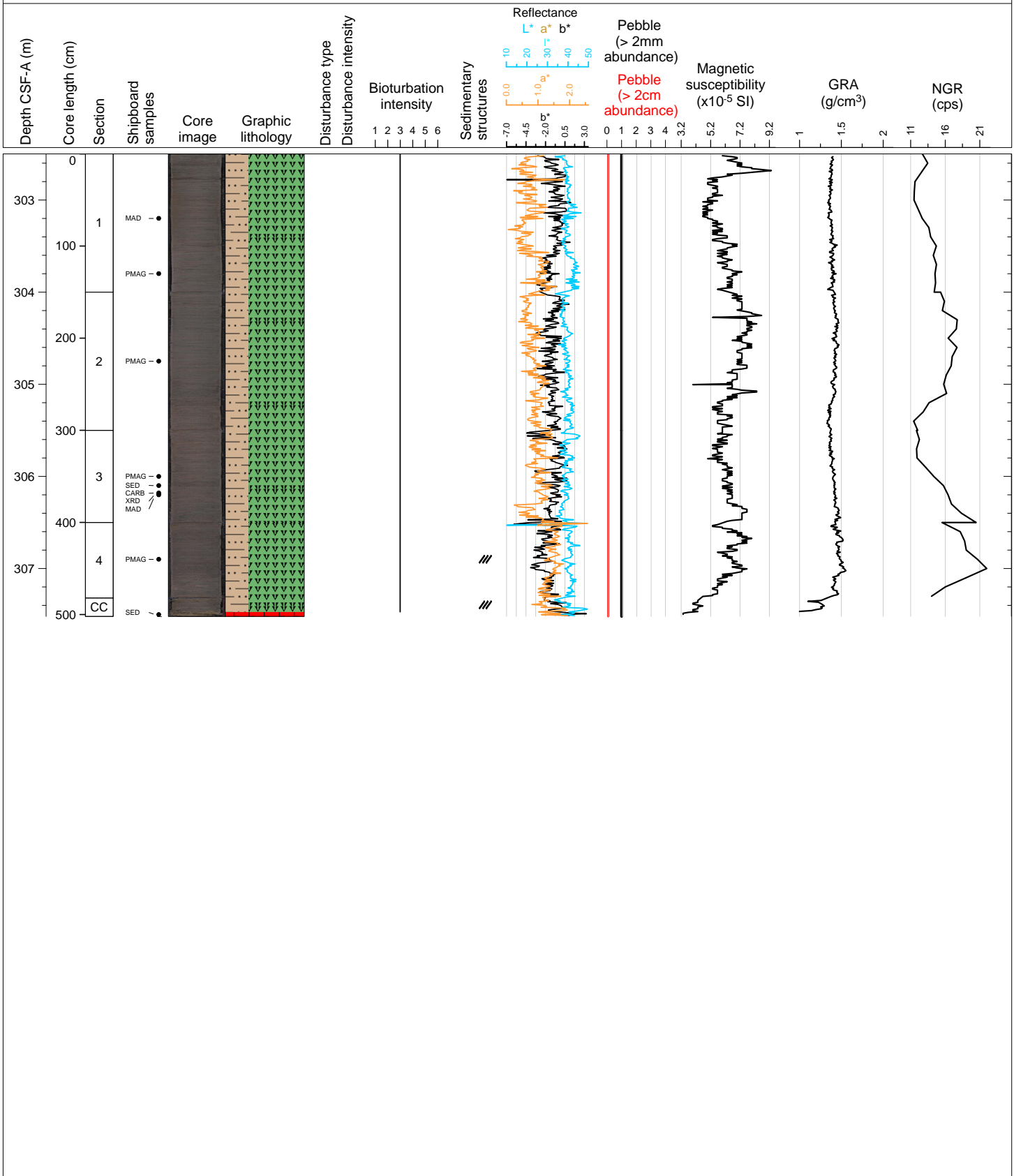
Hole 382-U1538A Core 34F, Interval 297.7-302.52 m (CSF-A)

dark greenish grey silty clay rich diatom ooze, IRD primarily identified via X-radiographs



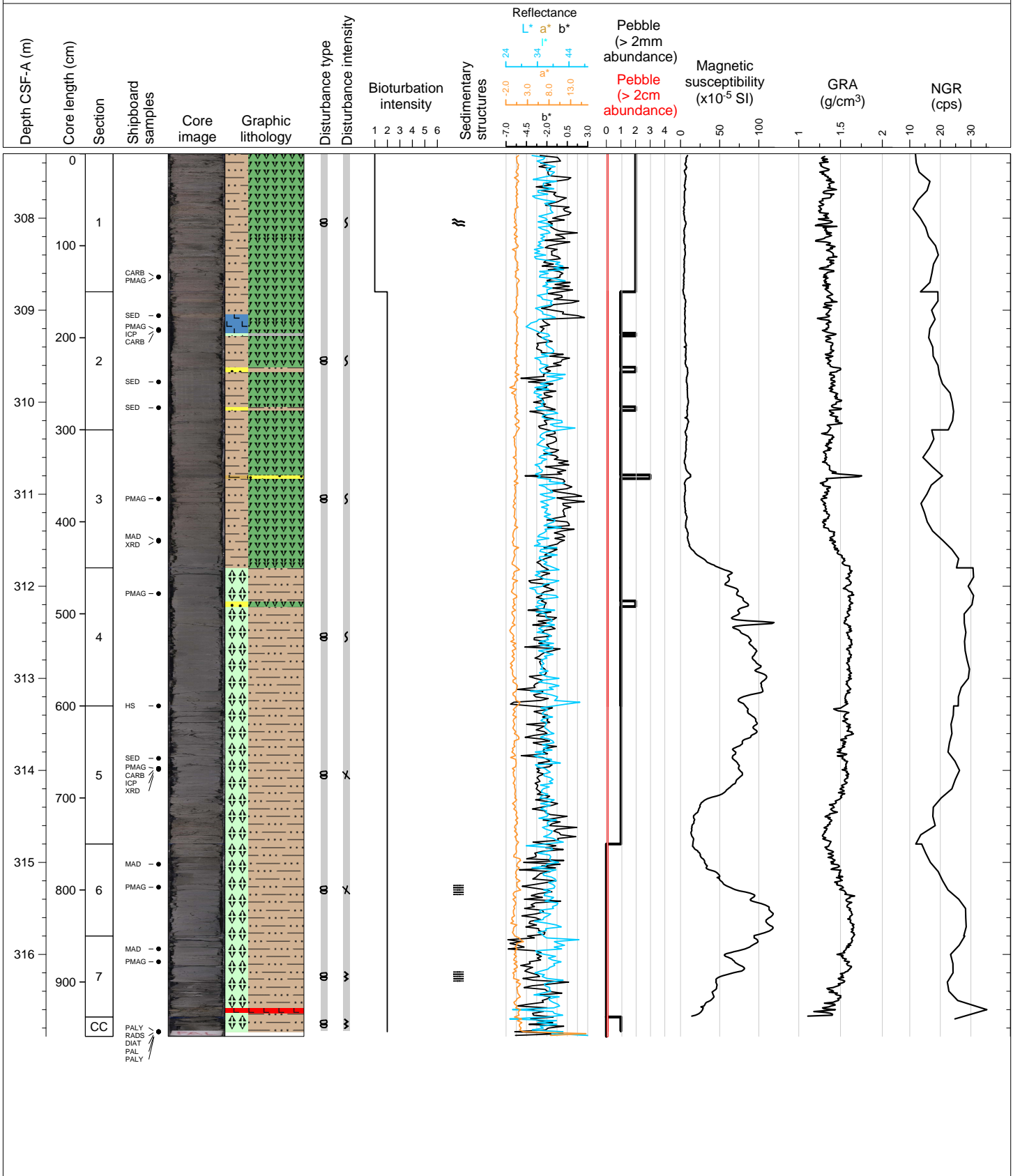
Hole 382-U1538A Core 35F, Interval 302.5-307.52 m (CSF-A)

dark greenish grey silty clay bearing diatomite, IRD primarily identified via X-radiographs, carbonate layer in CCA 15 cm to base



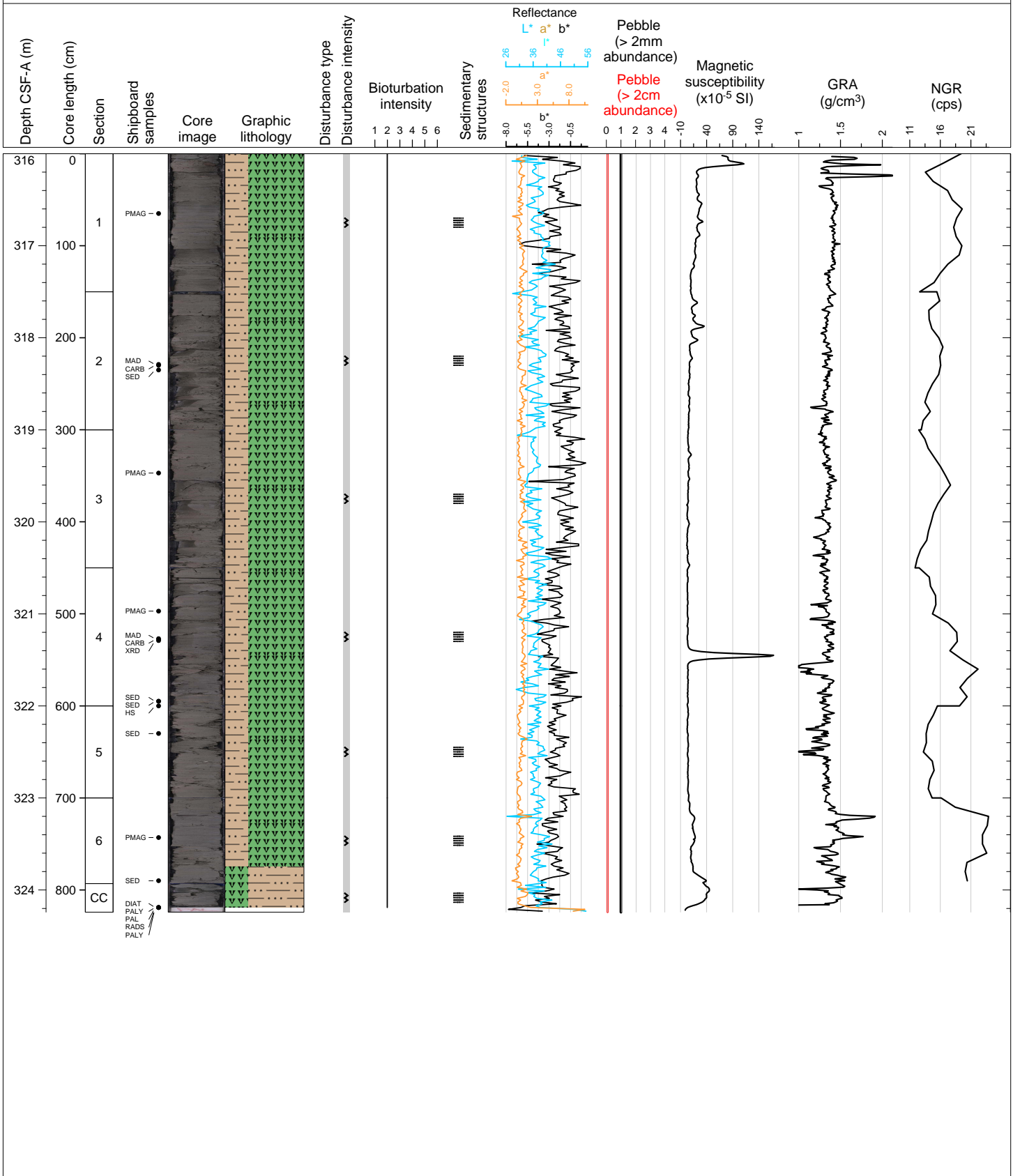
Hole 382-U1538A Core 36X, Interval 307.3-316.89 m (CSF-A)

interbedded dark greenish grey diatomite and silty clay, 1A thinly laminated, several sand layers (Heinrich-like layers) @ 2A 82-86 cm, 124-128 cm, 3A 48-53 cm



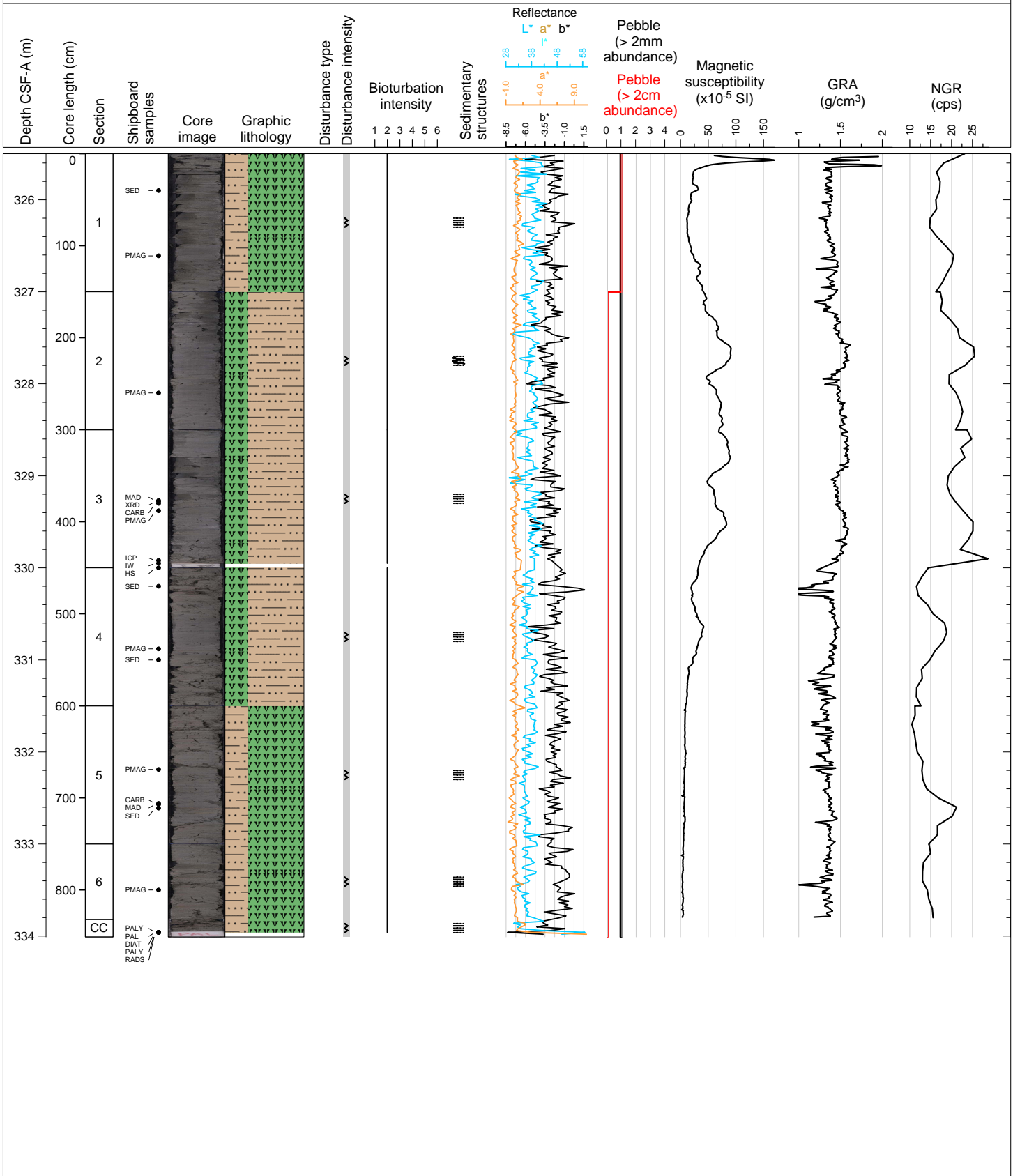
Hole 382-U1538A Core 37X, Interval 316.0-324.24 m (CSF-A)

Dominant underlying lithified silty clay rich diatomite. Carbonate rich layer is presented in Section 4A.



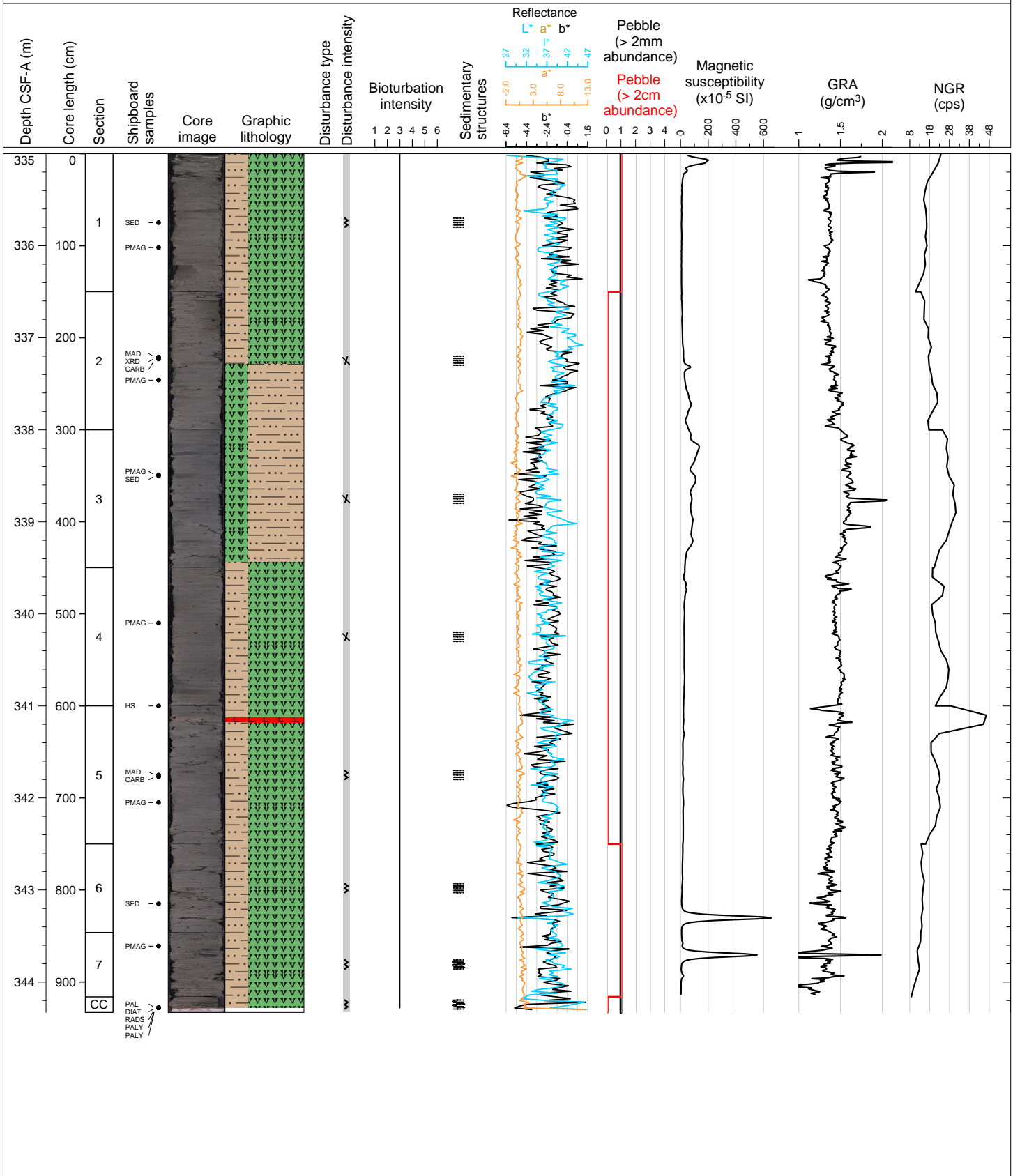
Hole 382-U1538A Core 38X, Interval 325.5-334.01 m (CSF-A)

Silty clay rich diatomite and diatom rich silty clay with color banding and lamination.



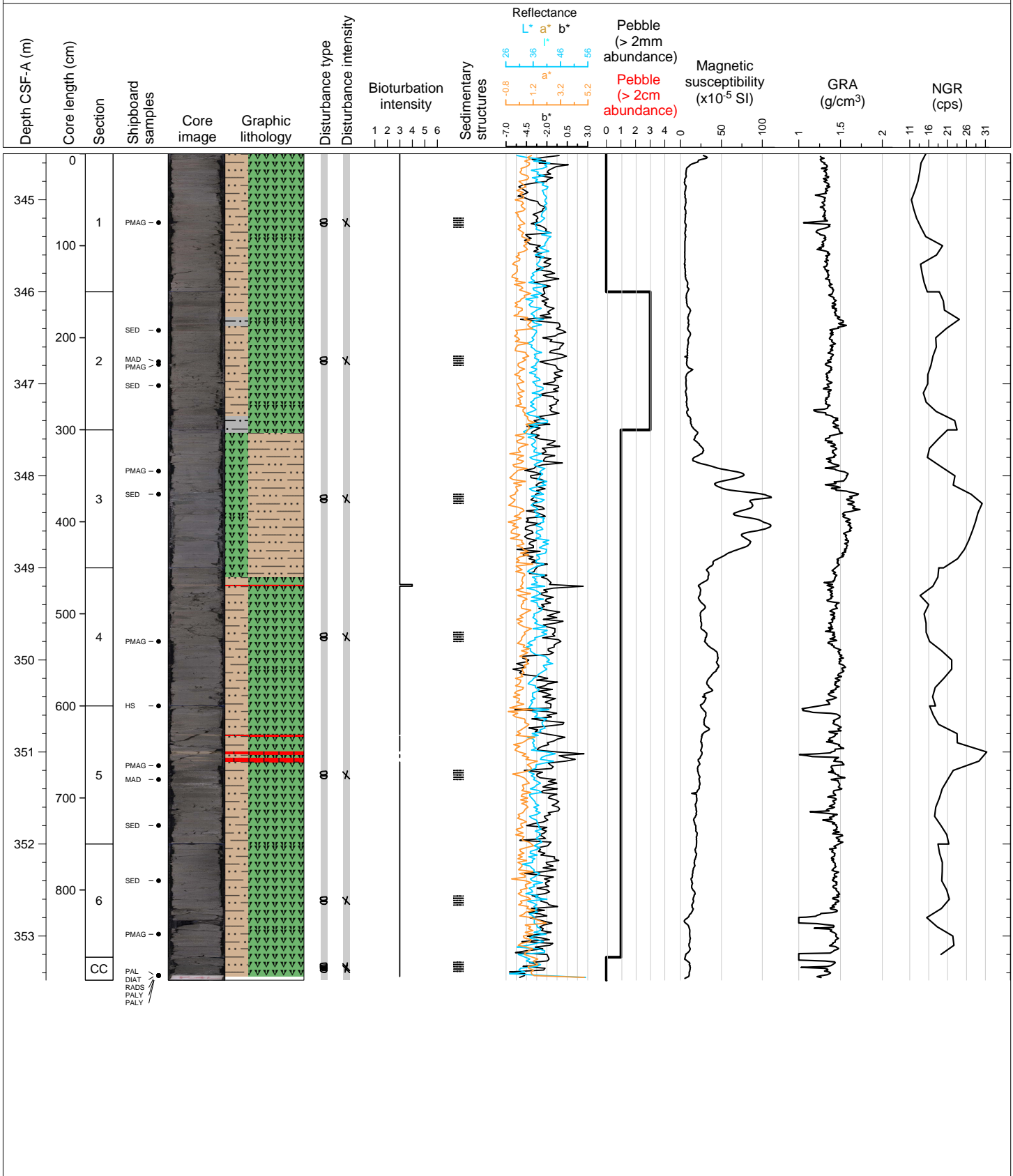
Hole 382-U1538A Core 39X, Interval 335.0-344.33 m (CSF-A)

silty clay rich diatomite with diatom-rich silty clay in Sections 2 and 3. Diagenetic-carbonate rich later in Section 5.



Hole 382-U1538A Core 40X, Interval 344.5-353.48 m (CSF-A)

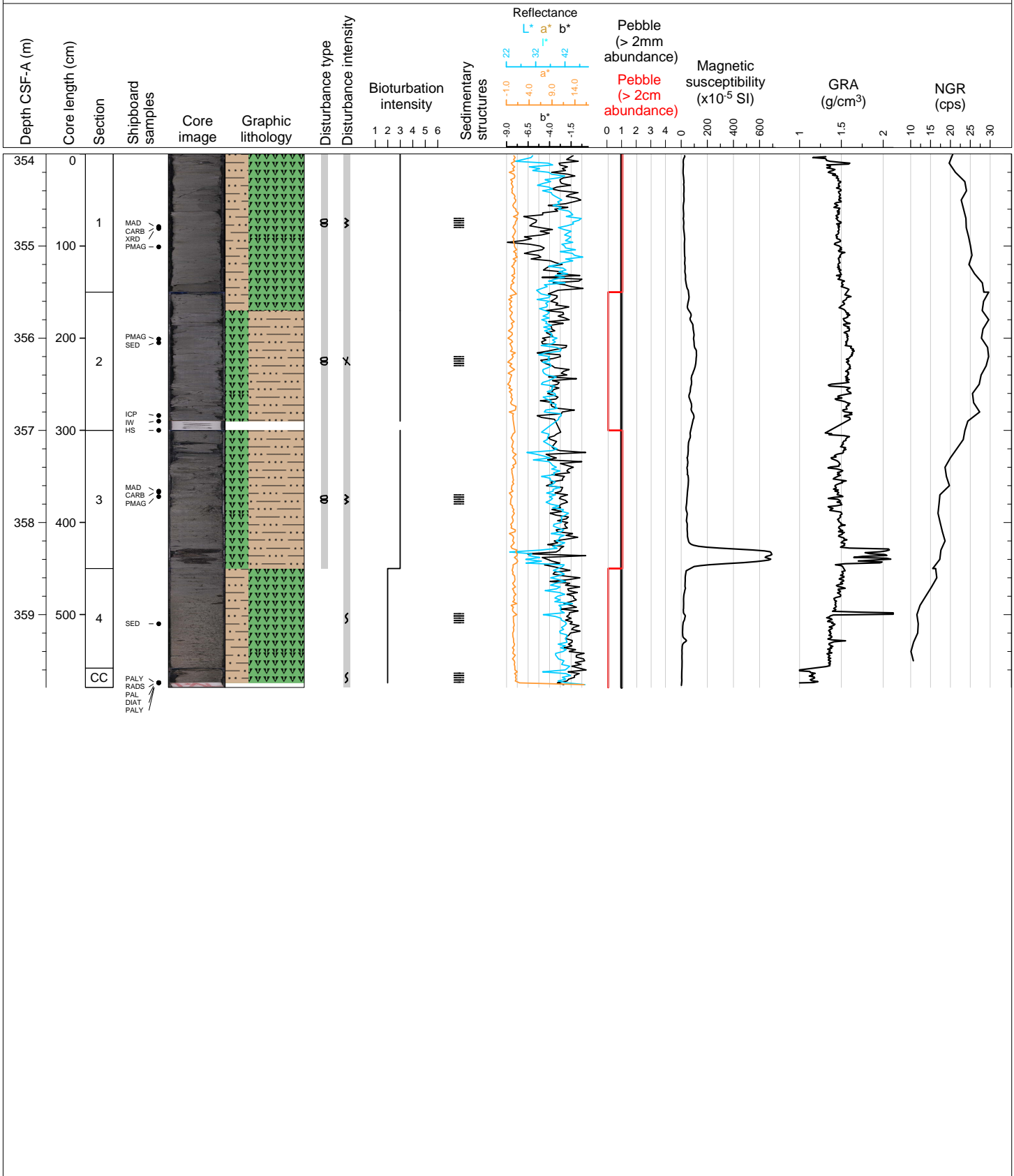
silty-clay rich diatomite with diatom bearing silty clay in Section 3. Several intervals of carbonate and layers with lots of gravel.





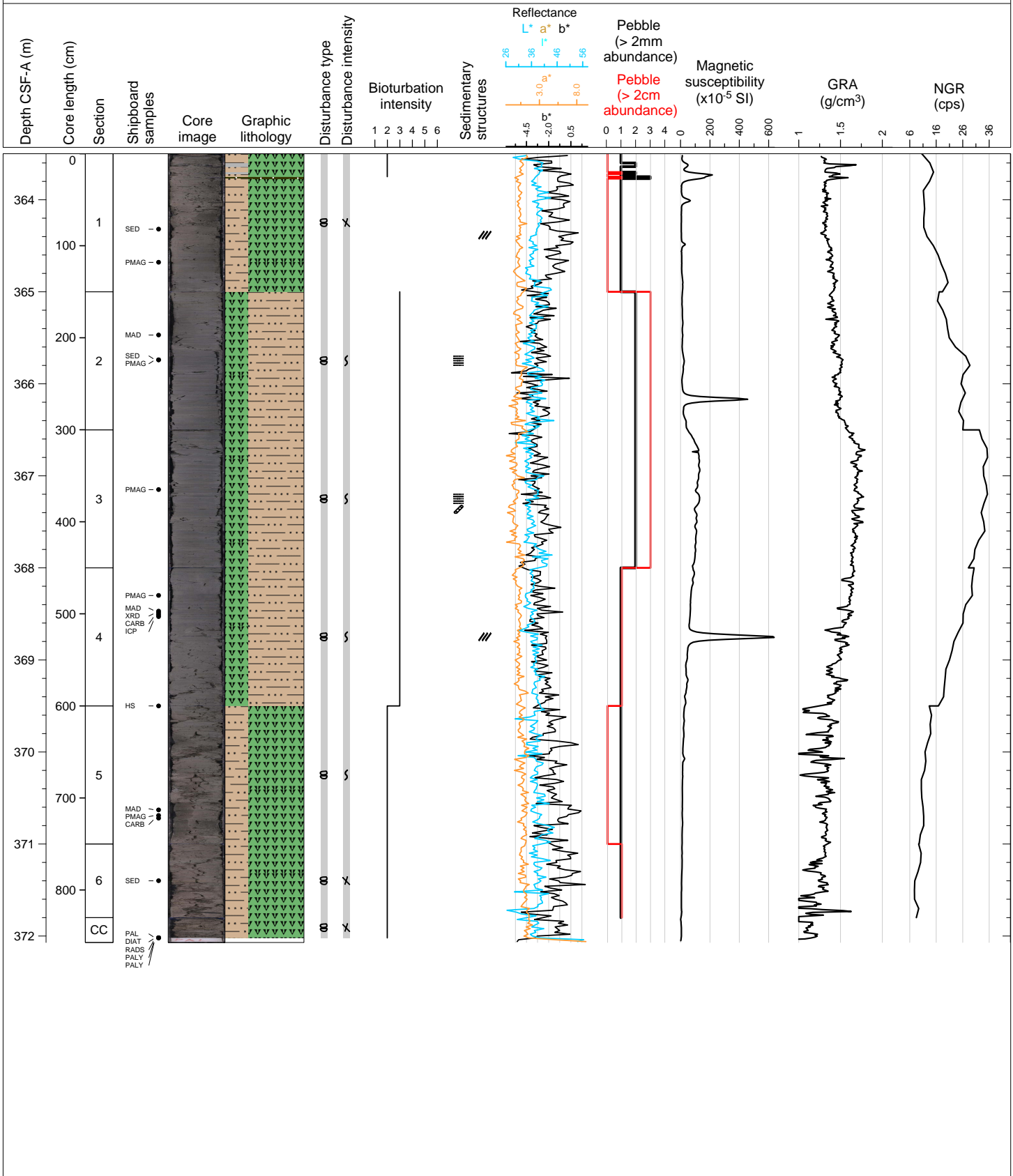
Hole 382-U1538A Core 41X, Interval 354.0-359.79 m (CSF-A)

Silty clay rich diatomite and diatom rich silty clay with a lot of gravels.



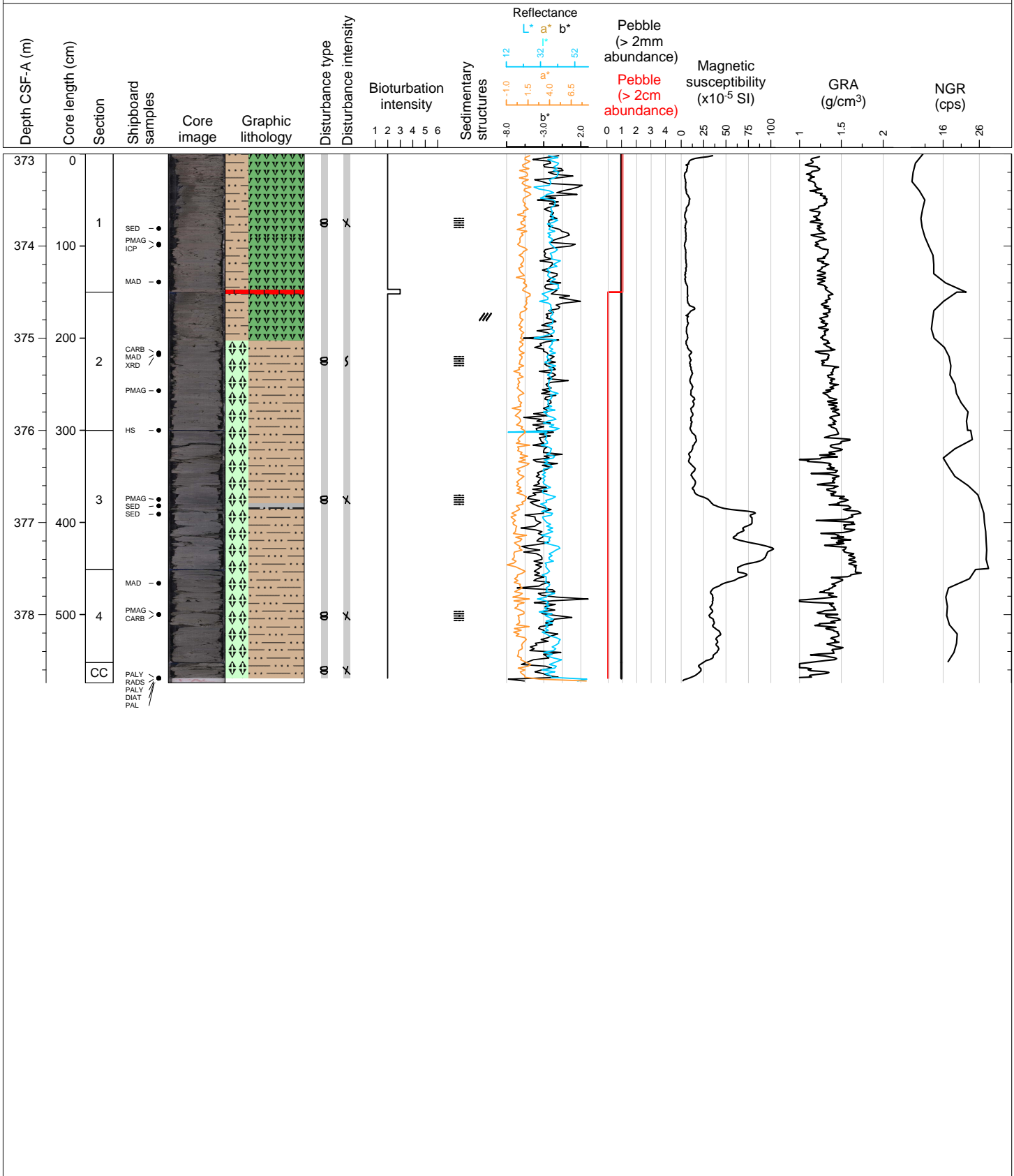
Hole 382-U1538A Core 42X, Interval 363.5-372.07 m (CSF-A)

Silty clay rich diatomite and diatom rich silty clay with a lot of gravels, foraminifers in 1A and 5A



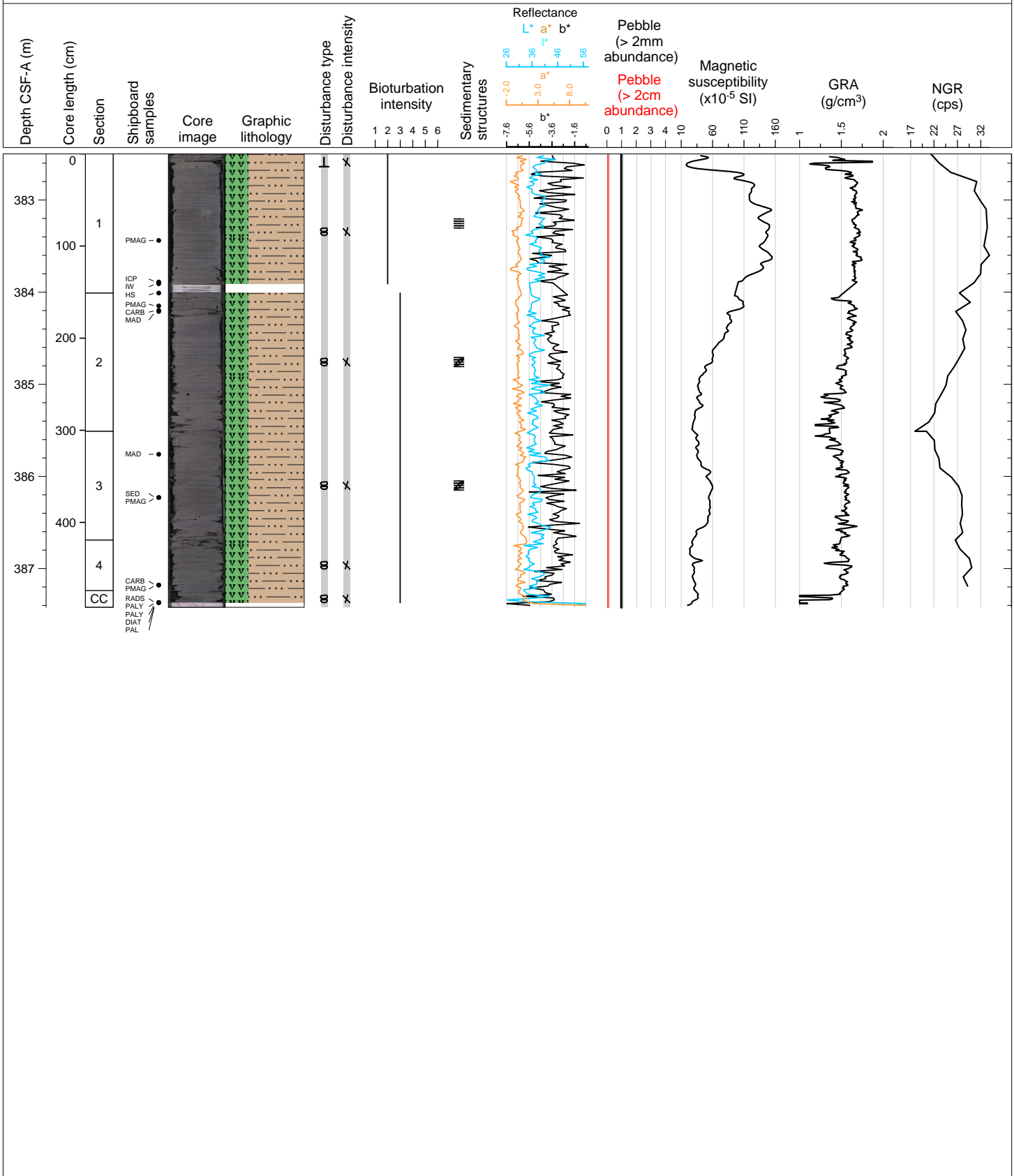
Hole 382-U1538A Core 43X, Interval 373.0-378.74 m (CSF-A)

Silty clay rich diatomite and diatomite rich silty clay, foraminifers and nannofossils in 1A, layer of sandy mud in 3A 79-85 cm



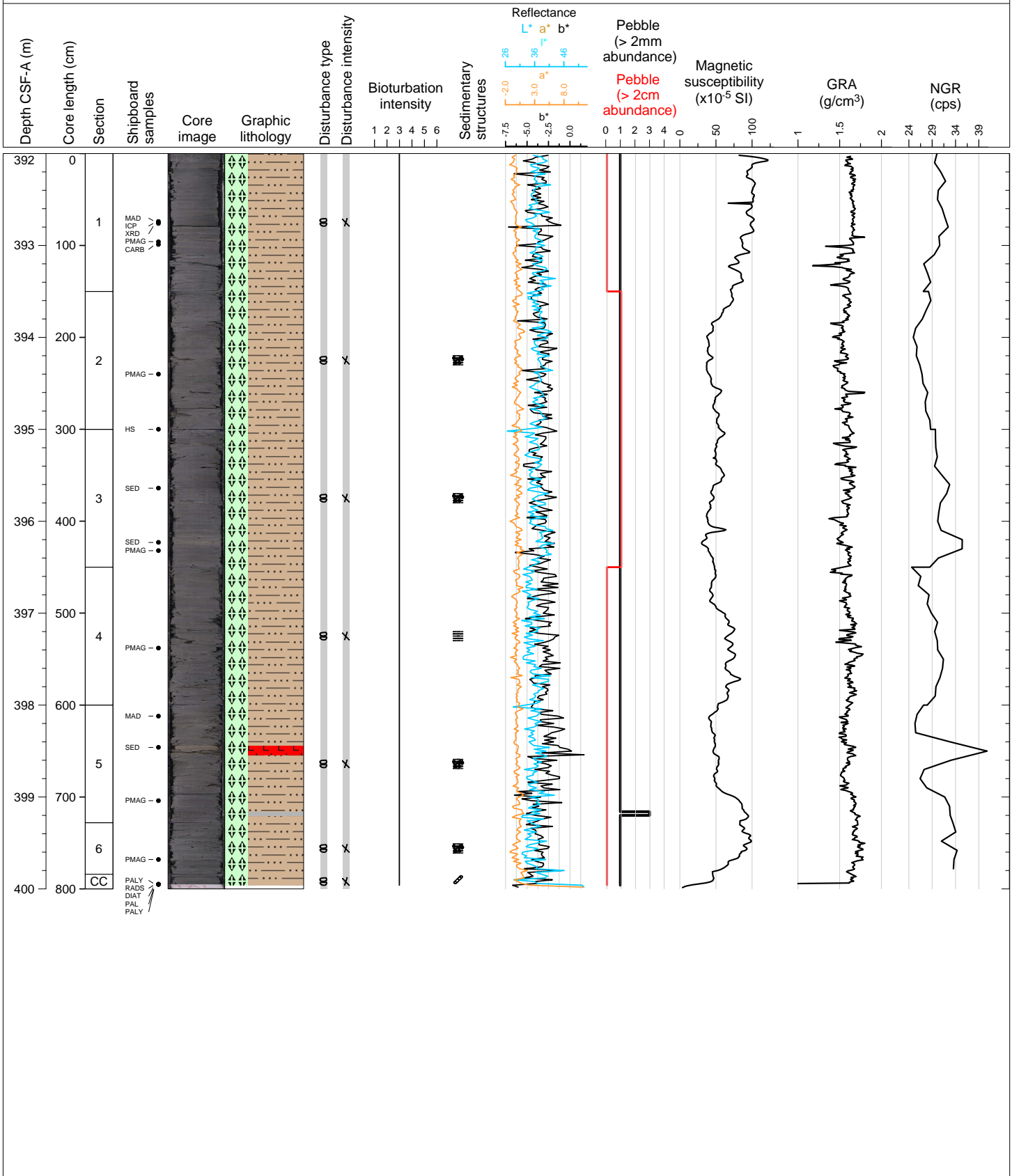
Hole 382-U1538A Core 44X, Interval 382.5-387.42 m (CSF-A)

biscuit dark greenish grey diatom rich silty clay



Hole 382-U1538A Core 45X, Interval 392.0-400.0 m (CSF-A)

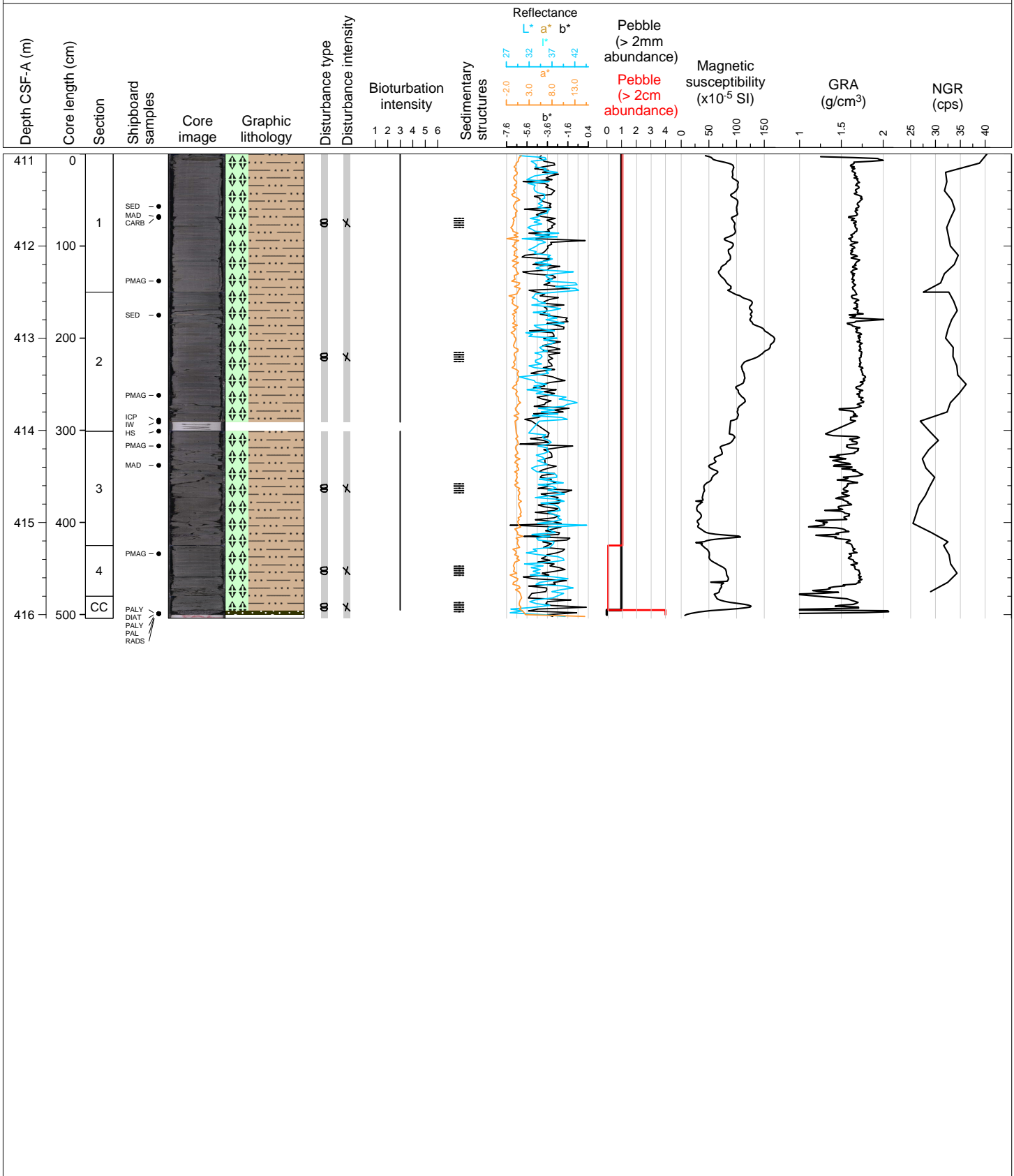
biscuit dark greenish grey diatom rich silty clay, carbonate layers in 3A 122-123 cm & 5A 44-54 cm





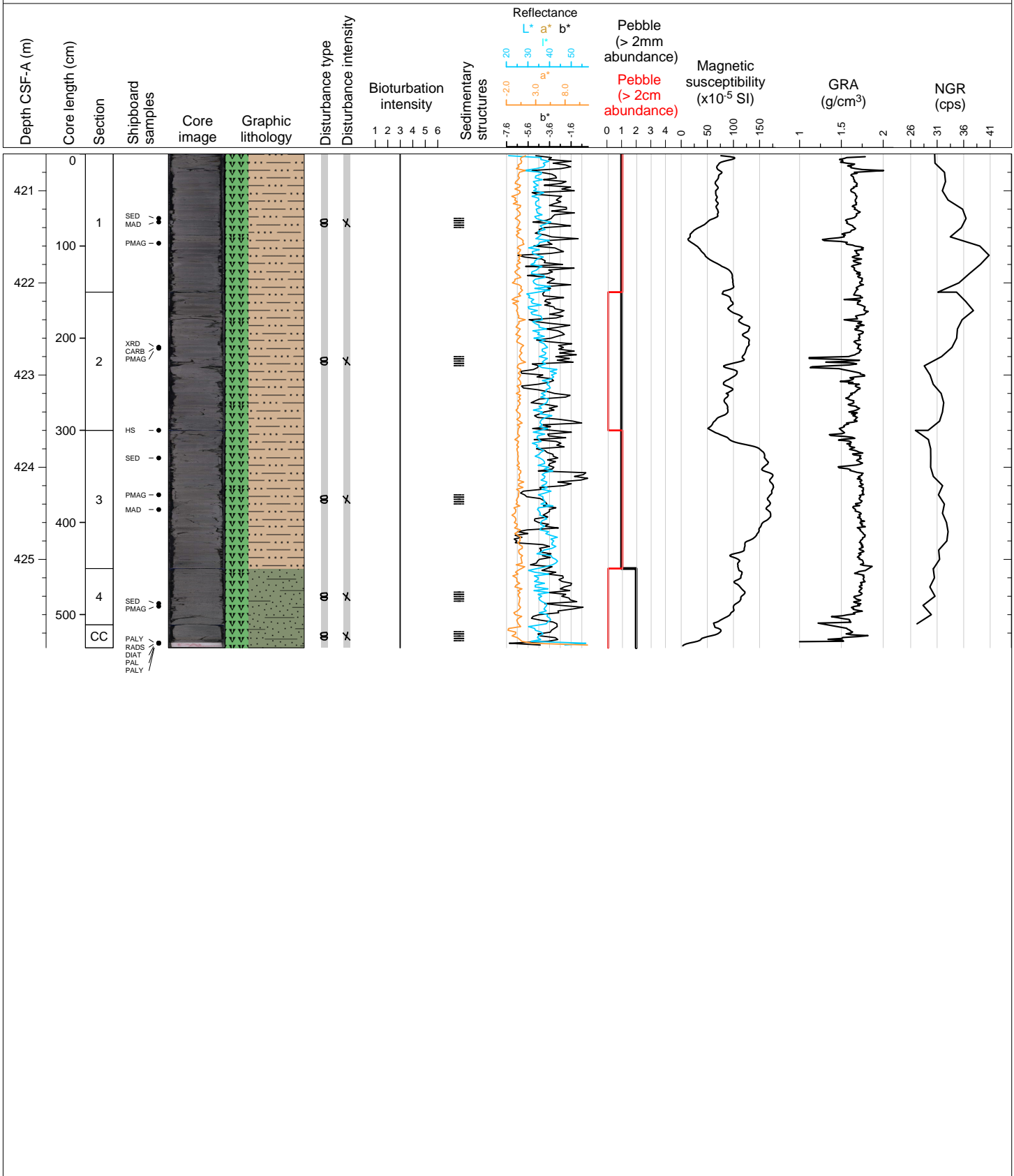
Hole 382-U1538A Core 47X, Interval 411.0-416.04 m (CSF-A)

dark greenish grey biosiliceous bearing silty clay, IRD identified via VCD and X-radiographs



Hole 382-U1538A Core 48X, Interval 420.6-425.96 m (CSF-A)

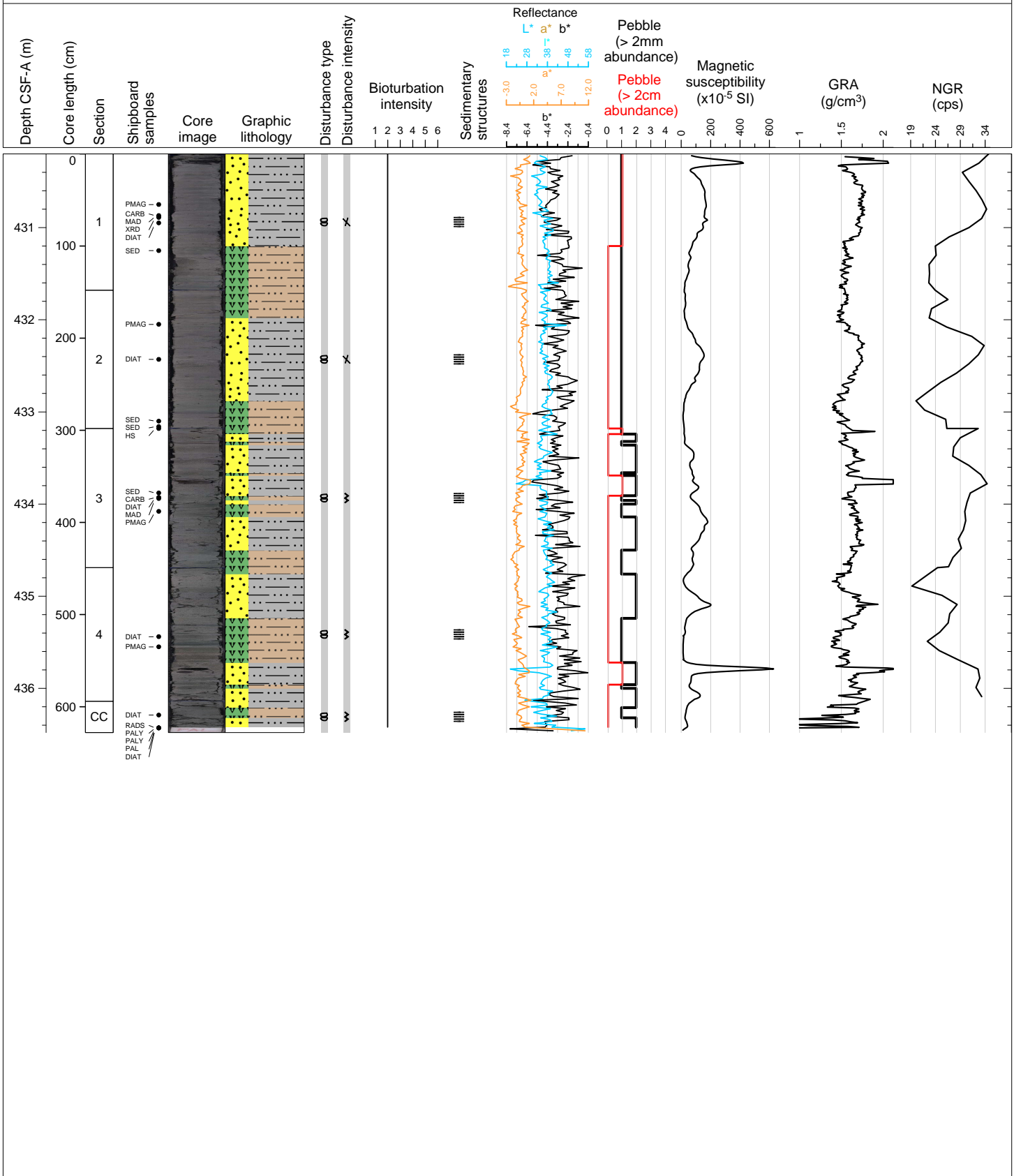
Diatom bearing silty clay and diatom bearing sandy silty clay.





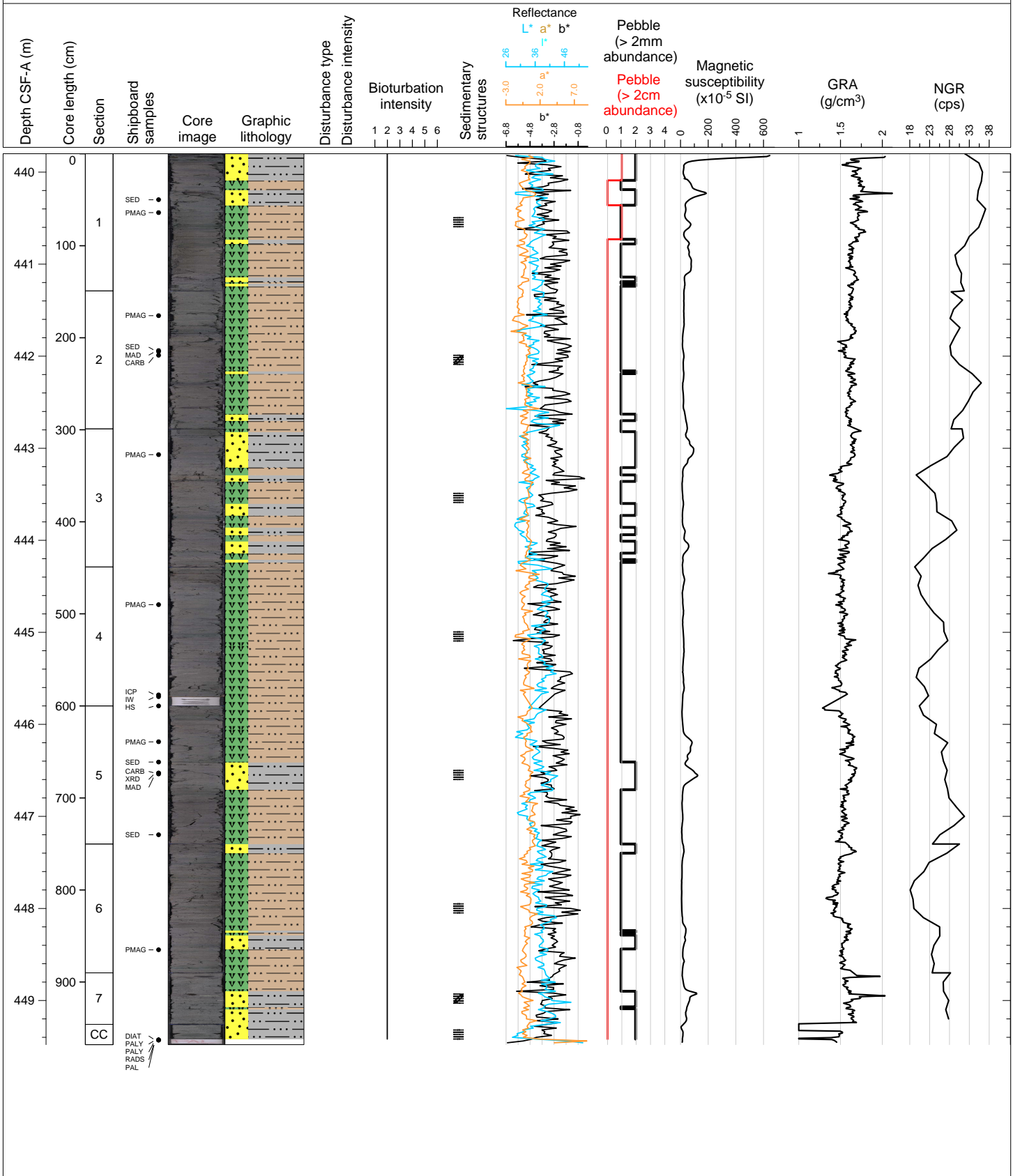
Hole 382-U1538A Core 49X, Interval 430.2-436.48 m (CSF-A)

5G\_2 4/1 grayish green diatom bearing silty clay and sandy mud with a lot of dropstones.



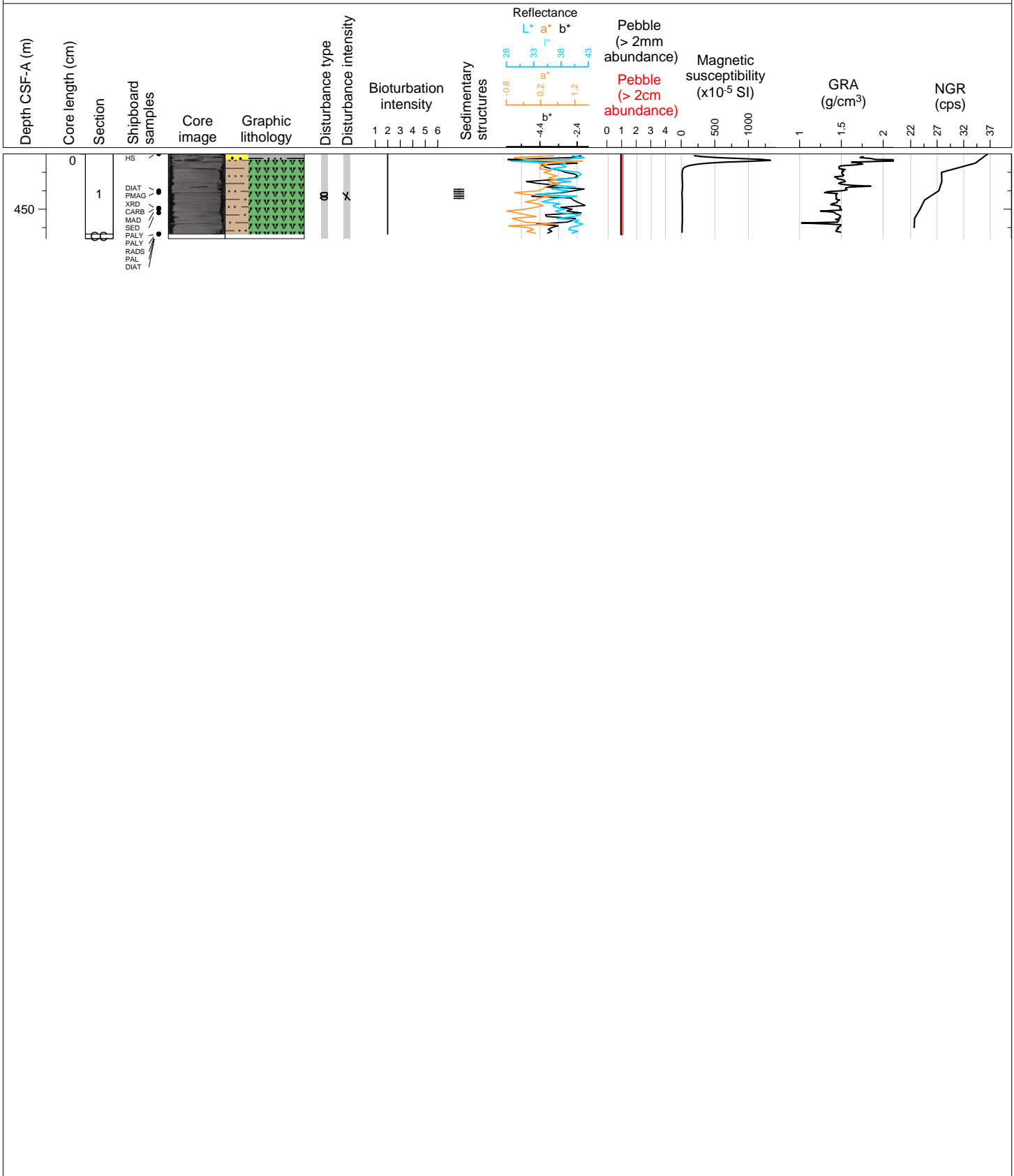
Hole 382-U1538A Core 50X, Interval 439.8-449.48 m (CSF-A)

Interbedded diatom rich silty clay and sandy mud. with color bandings.



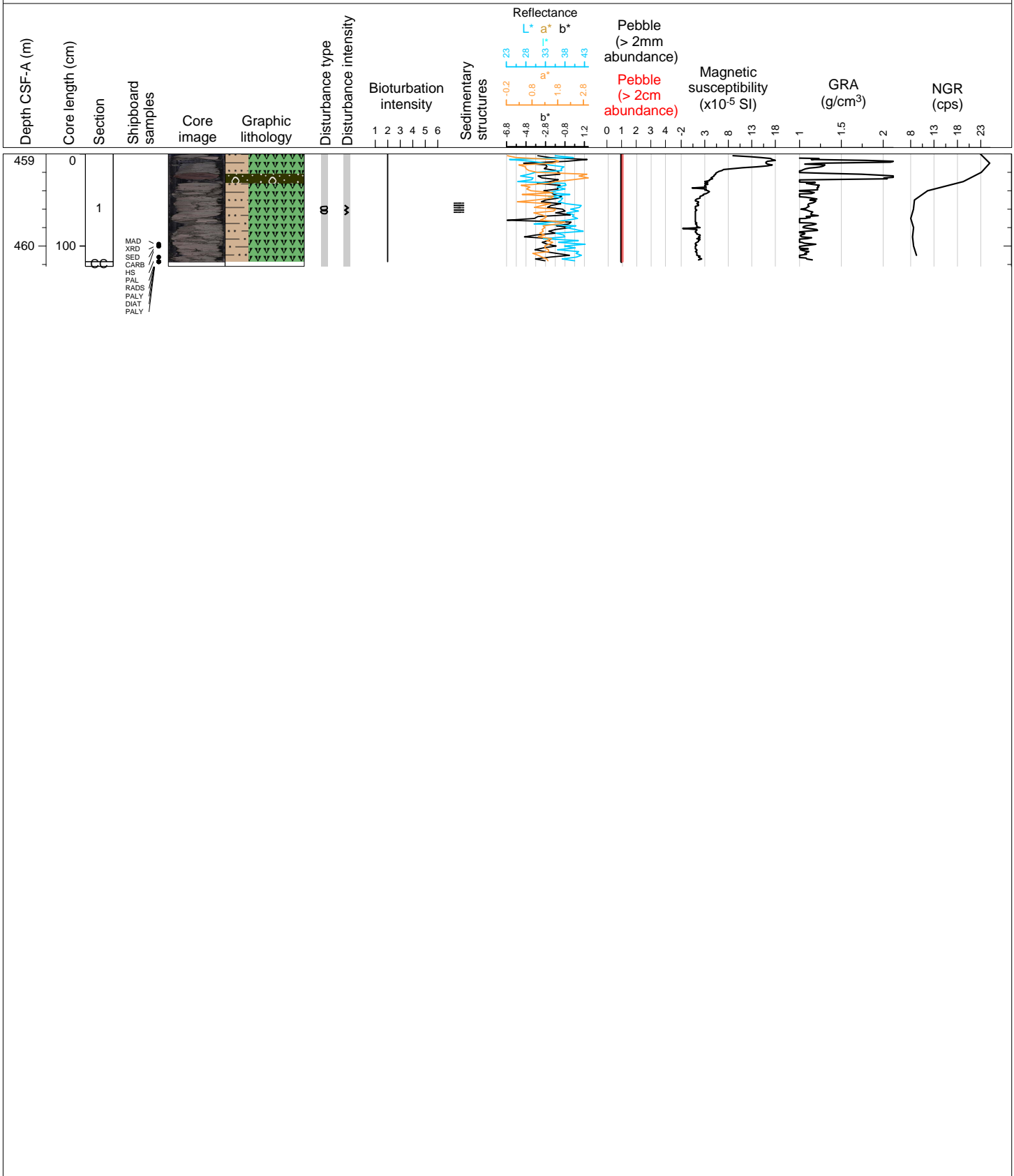
Hole 382-U1538A Core 51X, Interval 449.4-450.32 m (CSF-A)

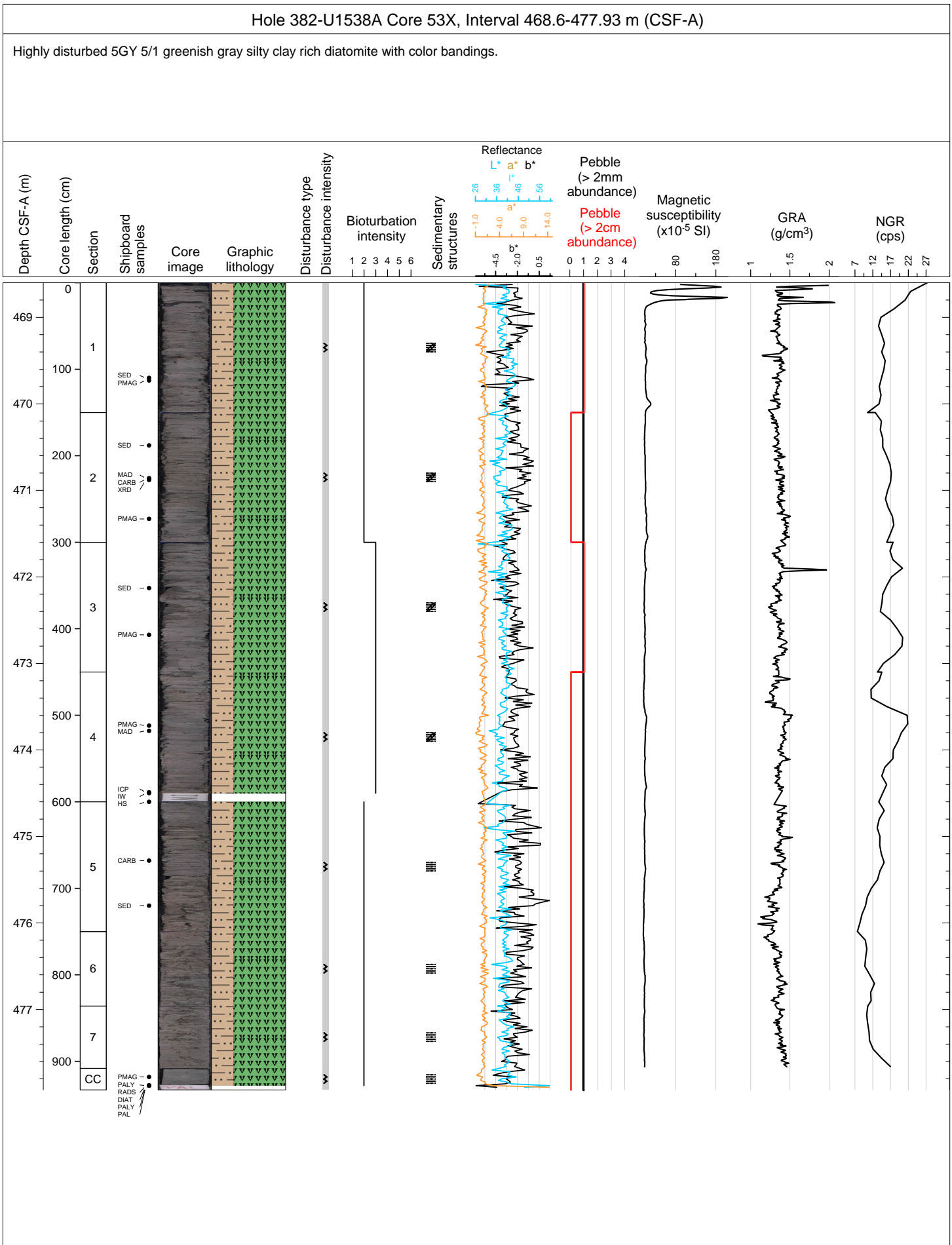
5G\_2 4/1 grayish green silty clay rich diatomite with alot of dropstone.



Hole 382-U1538A Core 52X, Interval 459.0-460.22 m (CSF-A)

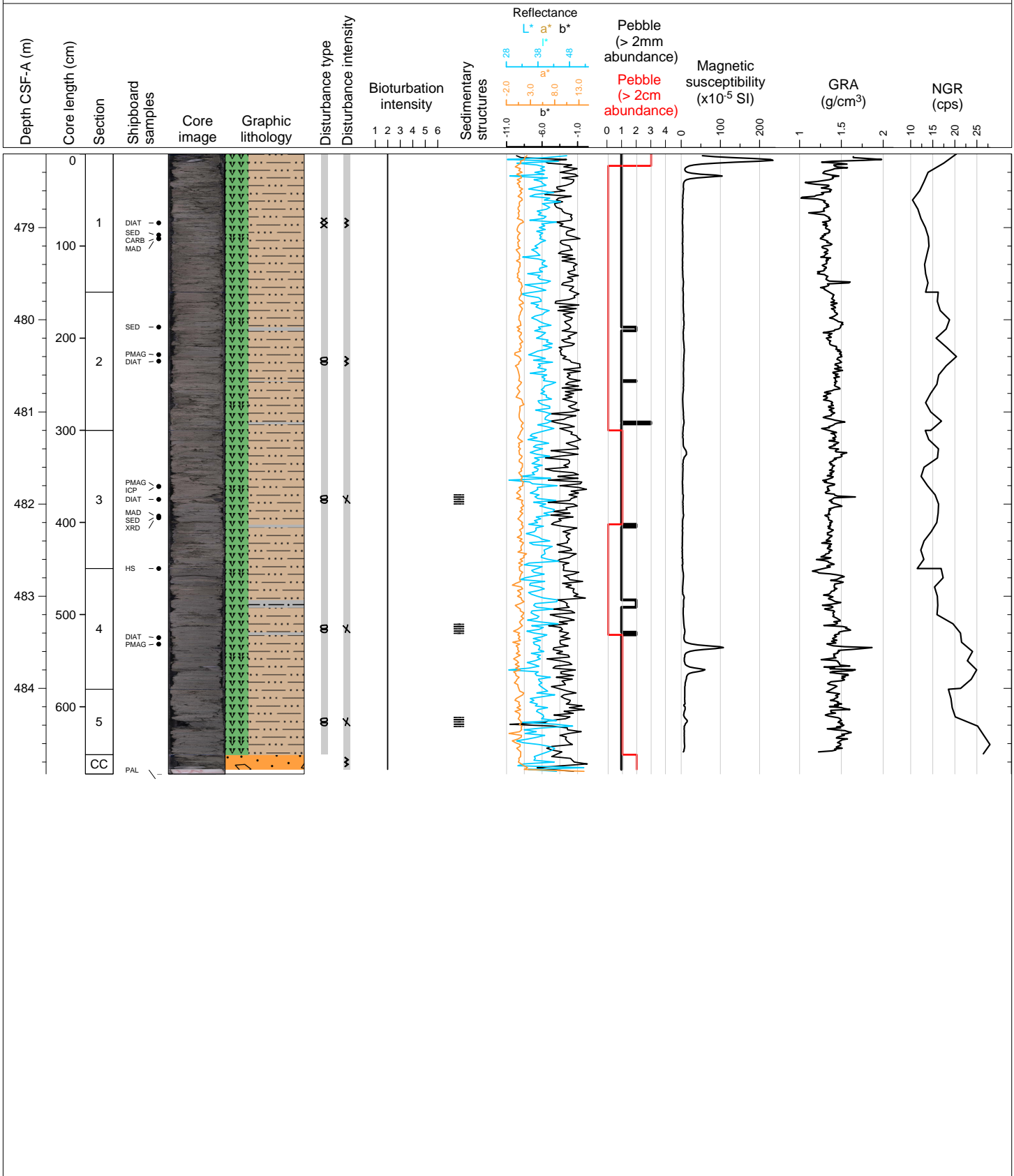
10Y 4/1 dark greenish gray silty clay rich diatomite with alot of dropstone.





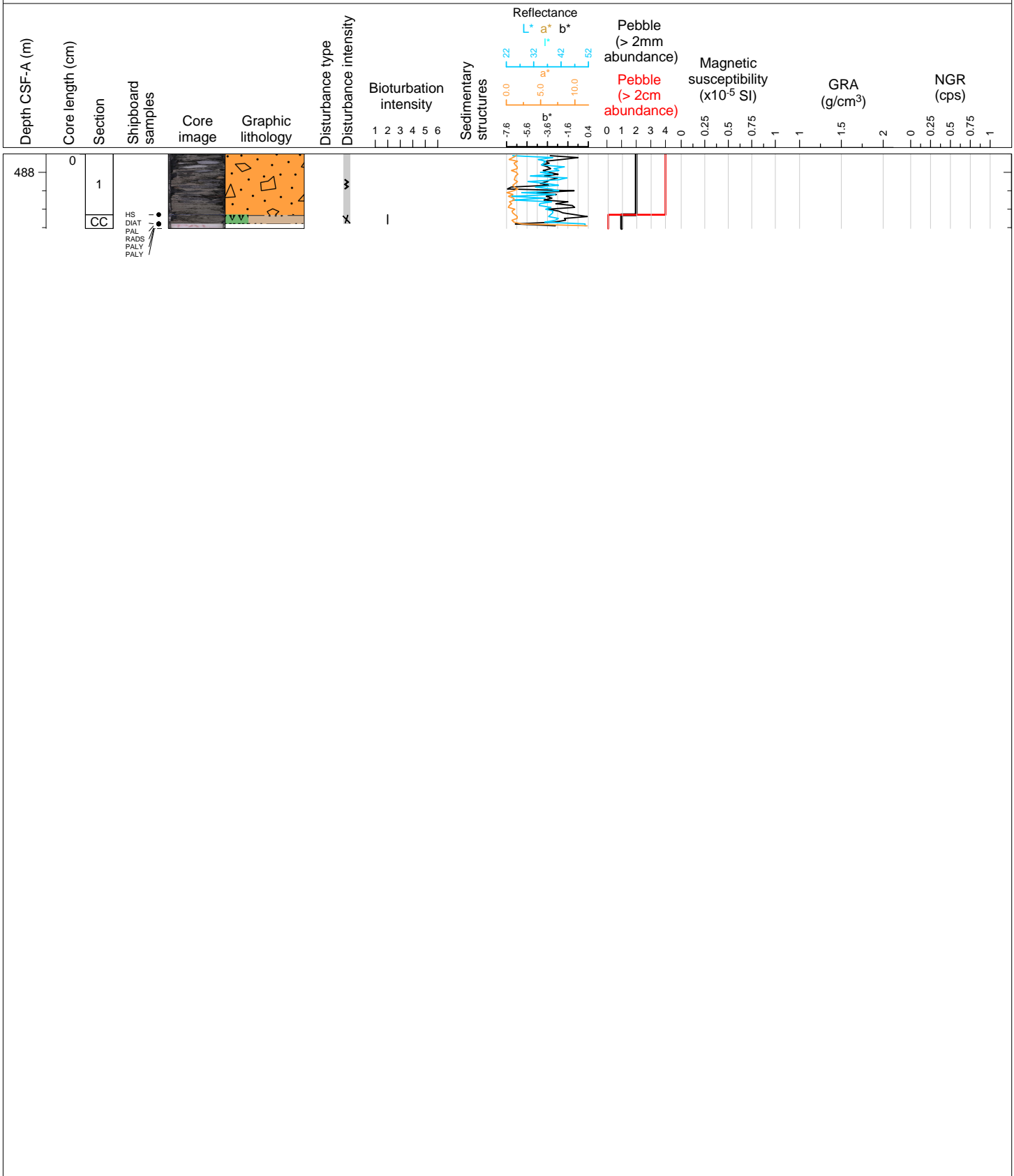
Hole 382-U1538A Core 54X, Interval 478.2-484.93 m (CSF-A)

highly disturbed, interbedded diatom rich silty clay and diatom rich muddy sand layers.



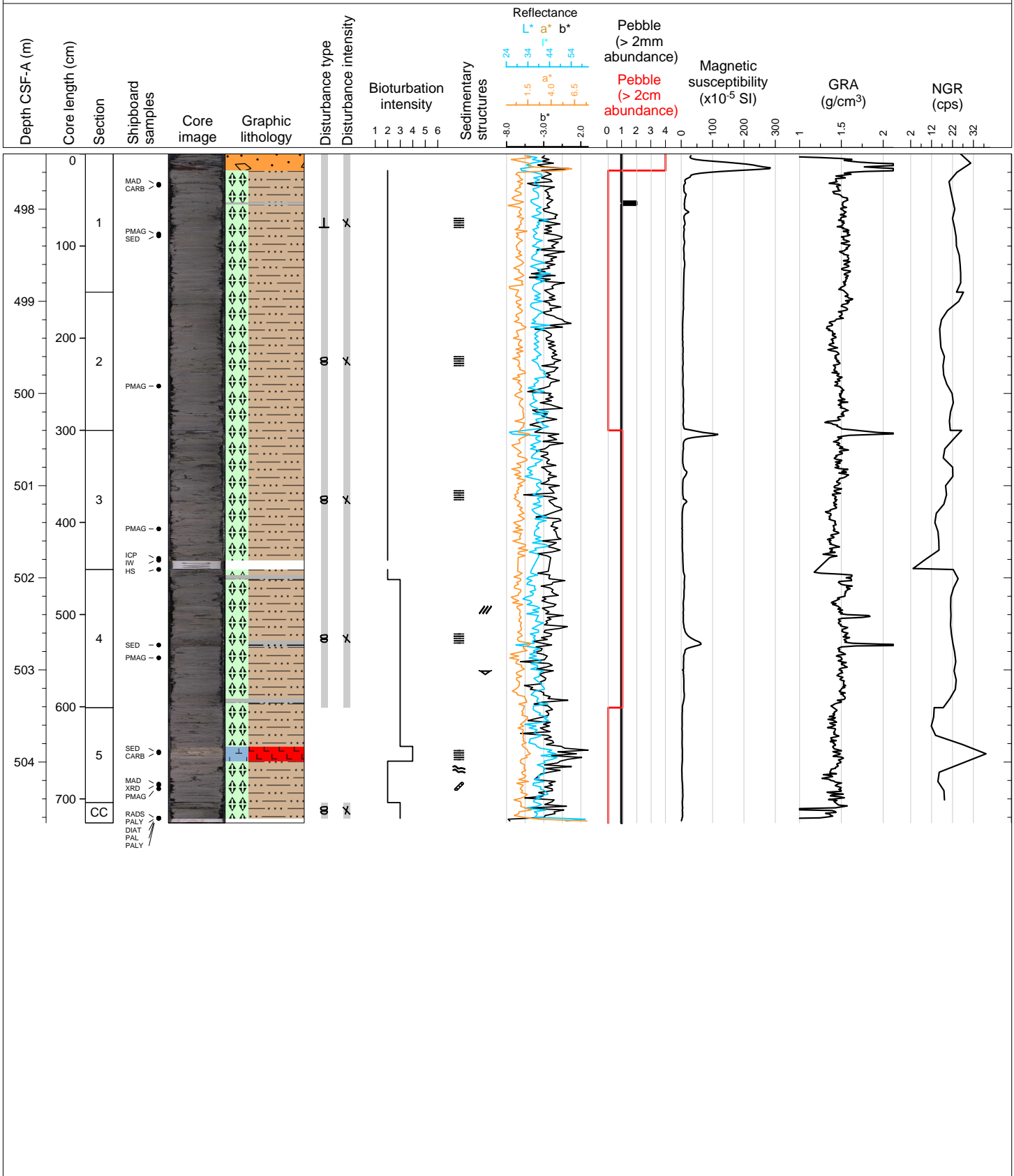
Hole 382-U1538A Core 55X, Interval 487.8-488.61 m (CSF-A)

highly disturbed diamict containing granites, limestones, sandstones, mudstones, dolerites, gabbros, high MS due to drill bit teeth



Hole 382-U1538A Core 56X, Interval 497.4-504.66 m (CSF-A)

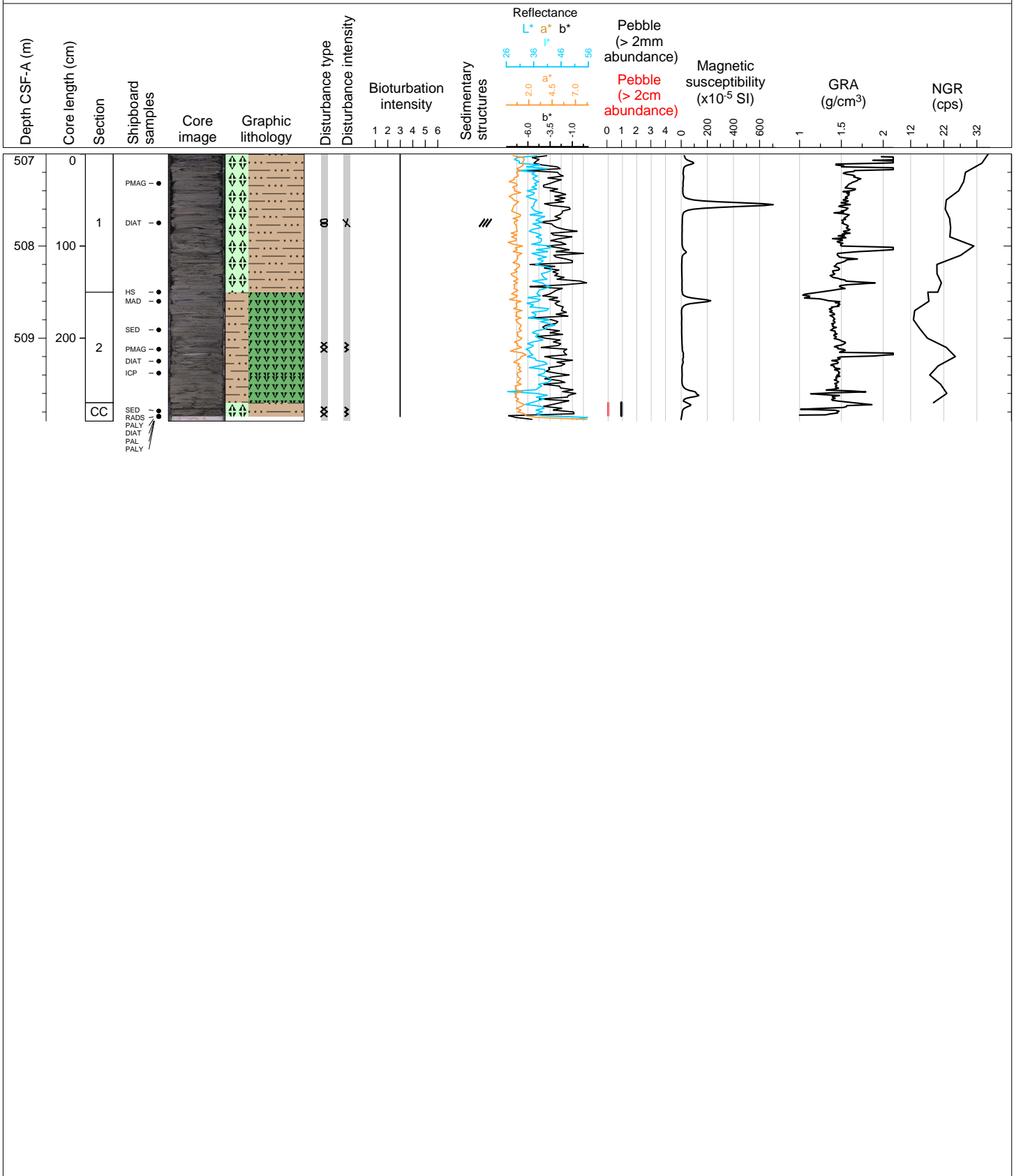
top 18 cm fall in, dark greenish grey biosiliceous rich silty clay, nannofossil rich carbonate layer in 5A 42-58 cm





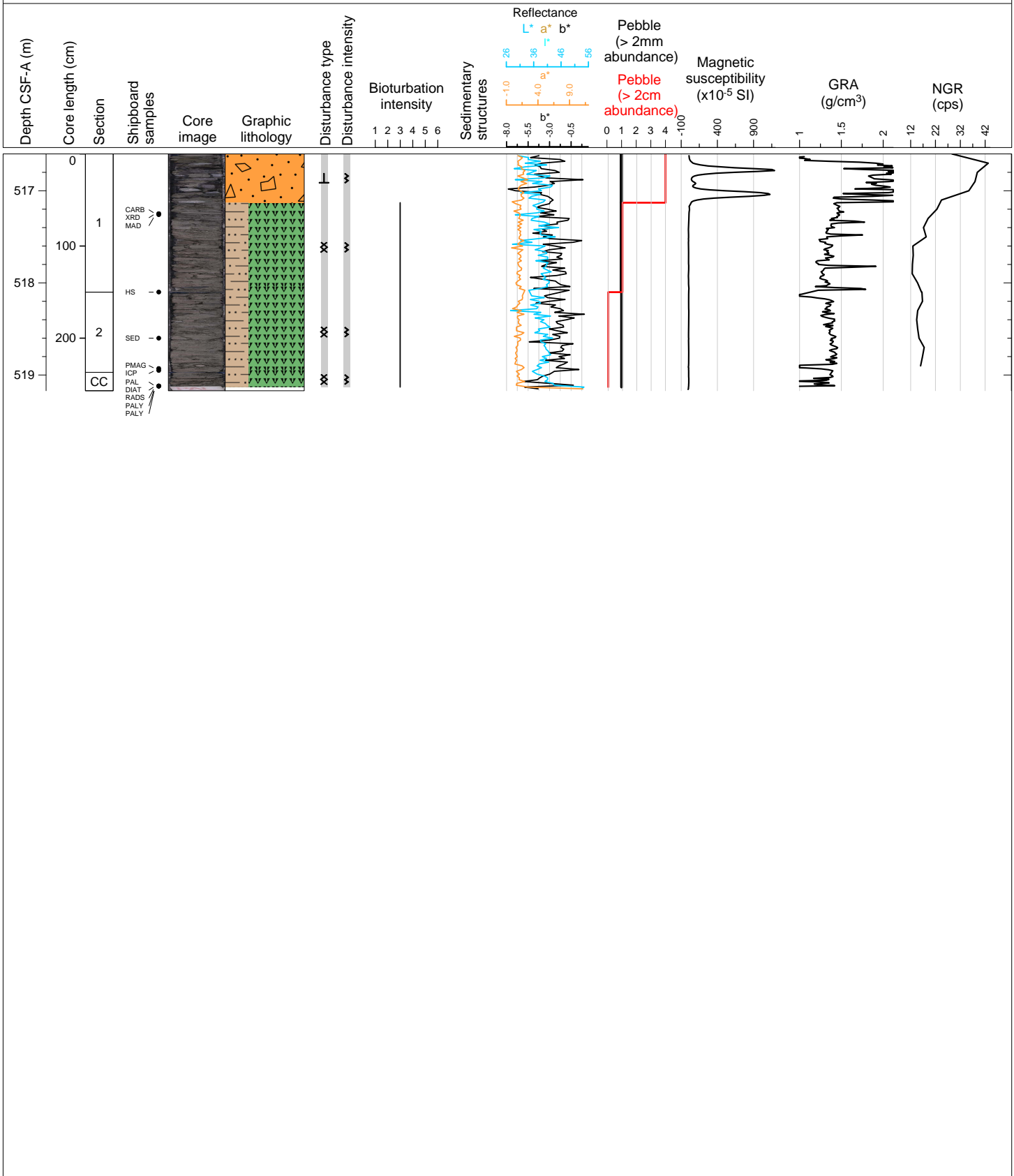
Hole 382-U1538A Core 57X, Interval 507.0-509.9 m (CSF-A)

top 18 cm fall in, dark greenish grey biosiliceous rich silty clay and diatomite



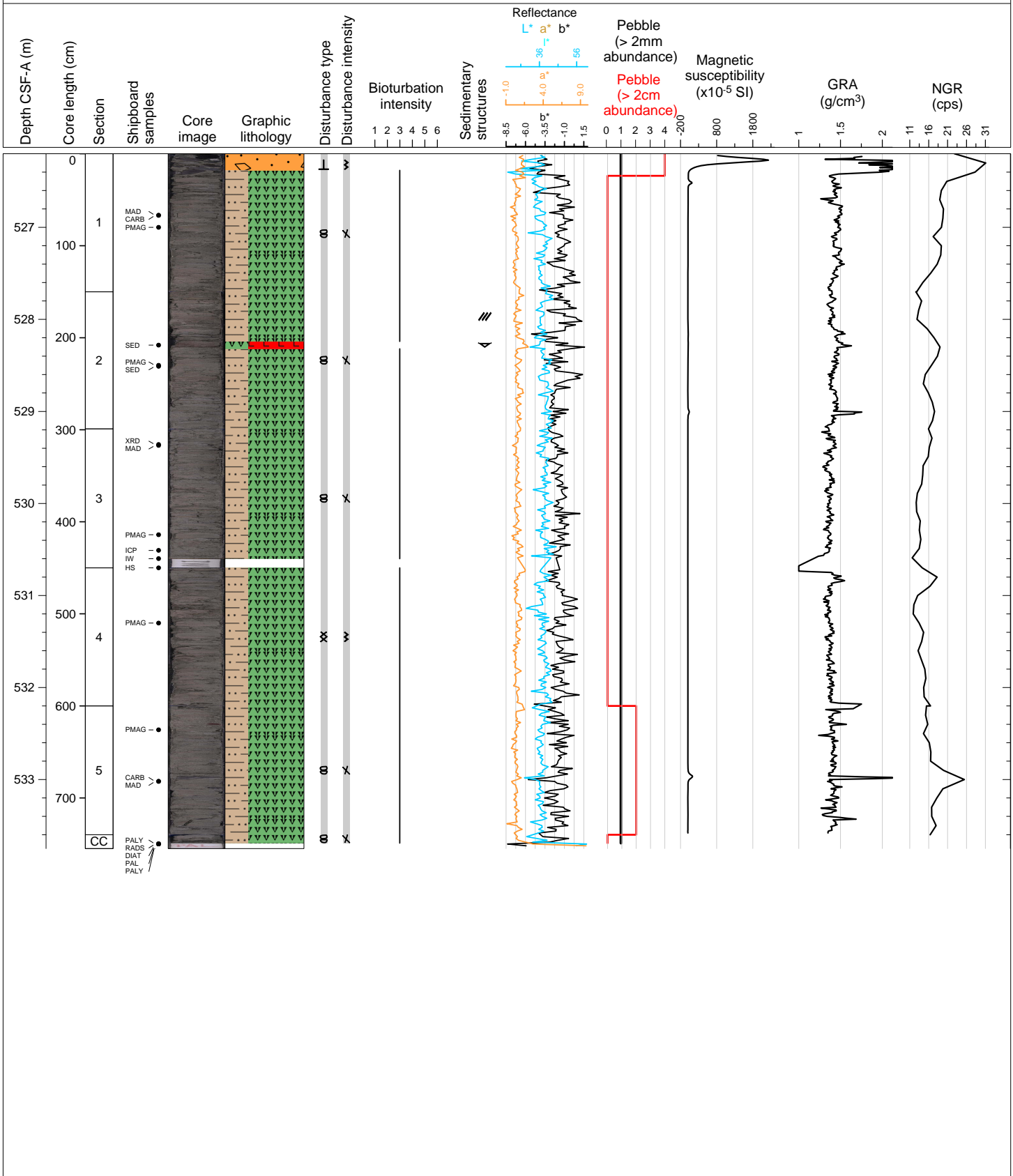
Hole 382-U1538A Core 58X, Interval 516.6-519.17 m (CSF-A)

top 53 cm fall in, greenish grey silty clay bearing diatomite



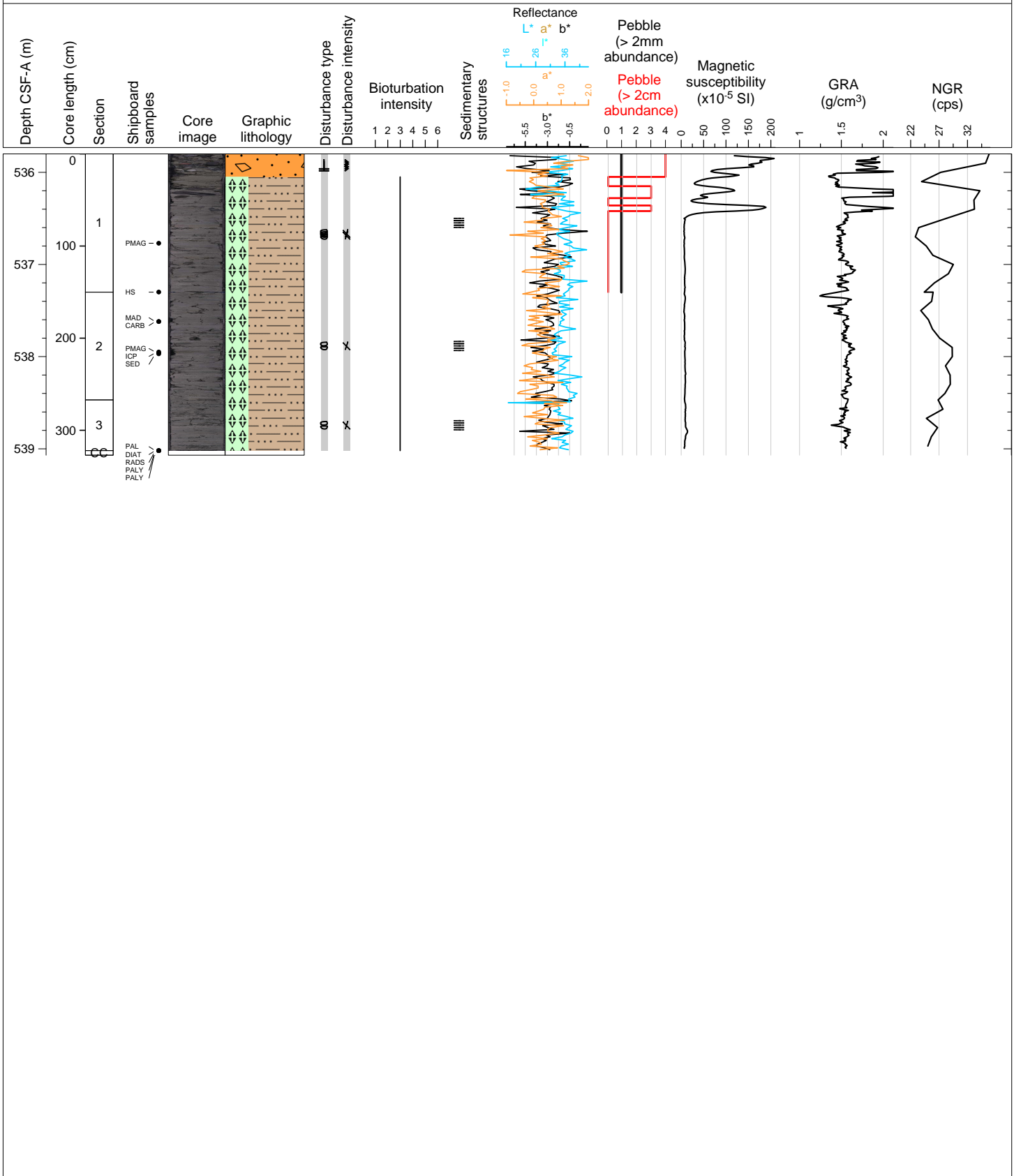
Hole 382-U1538A Core 59X, Interval 526.2-533.75 m (CSF-A)

top 24 cm fall in, dark greenish grey silty clay rich diatomite, dark brown tephra in 2A 54-62 cm



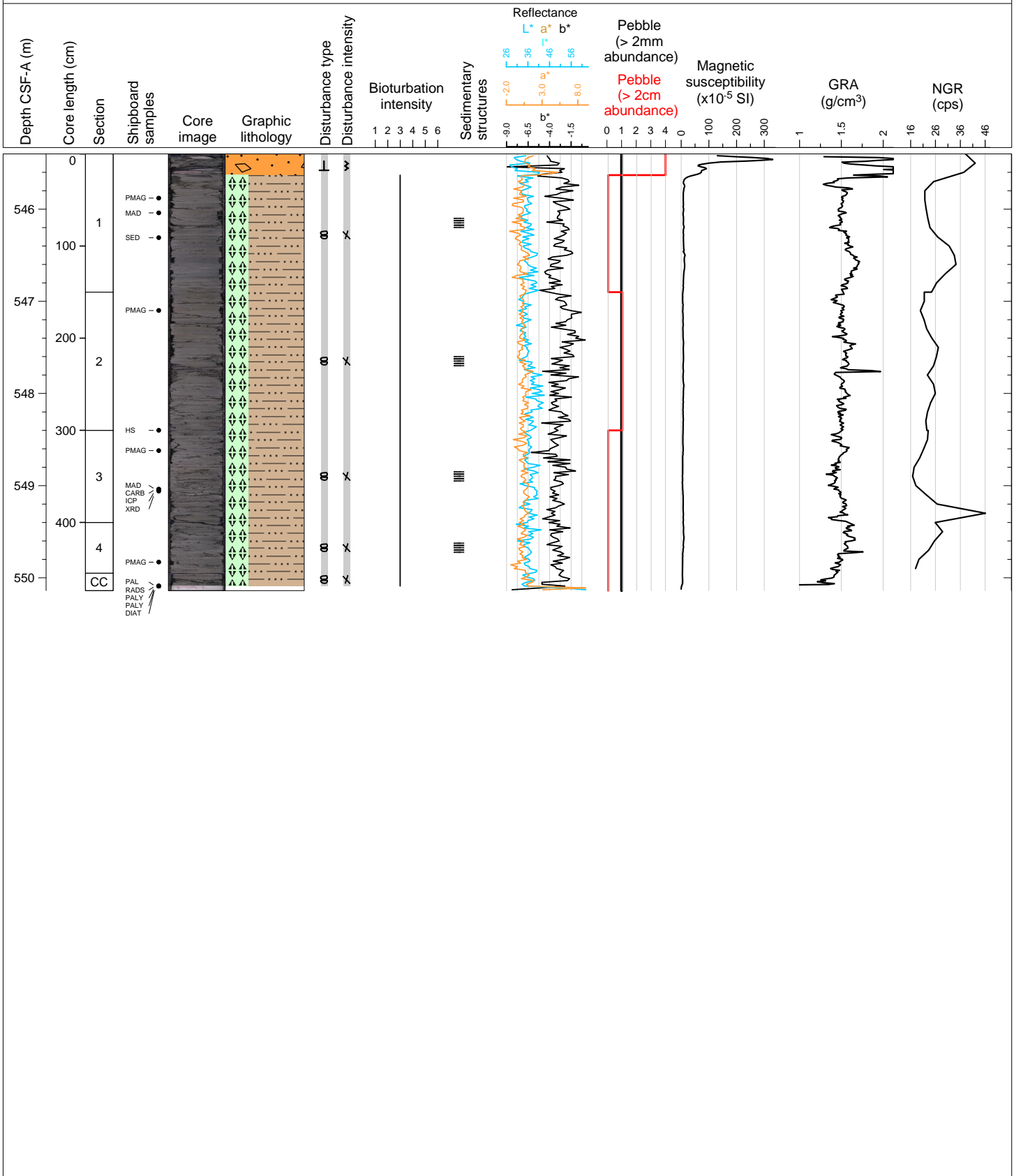
Hole 382-U1538A Core 60X, Interval 535.8-539.07 m (CSF-A)

top 25 cm fall in, very dark greenish grey biosiliceous bearing silty clay



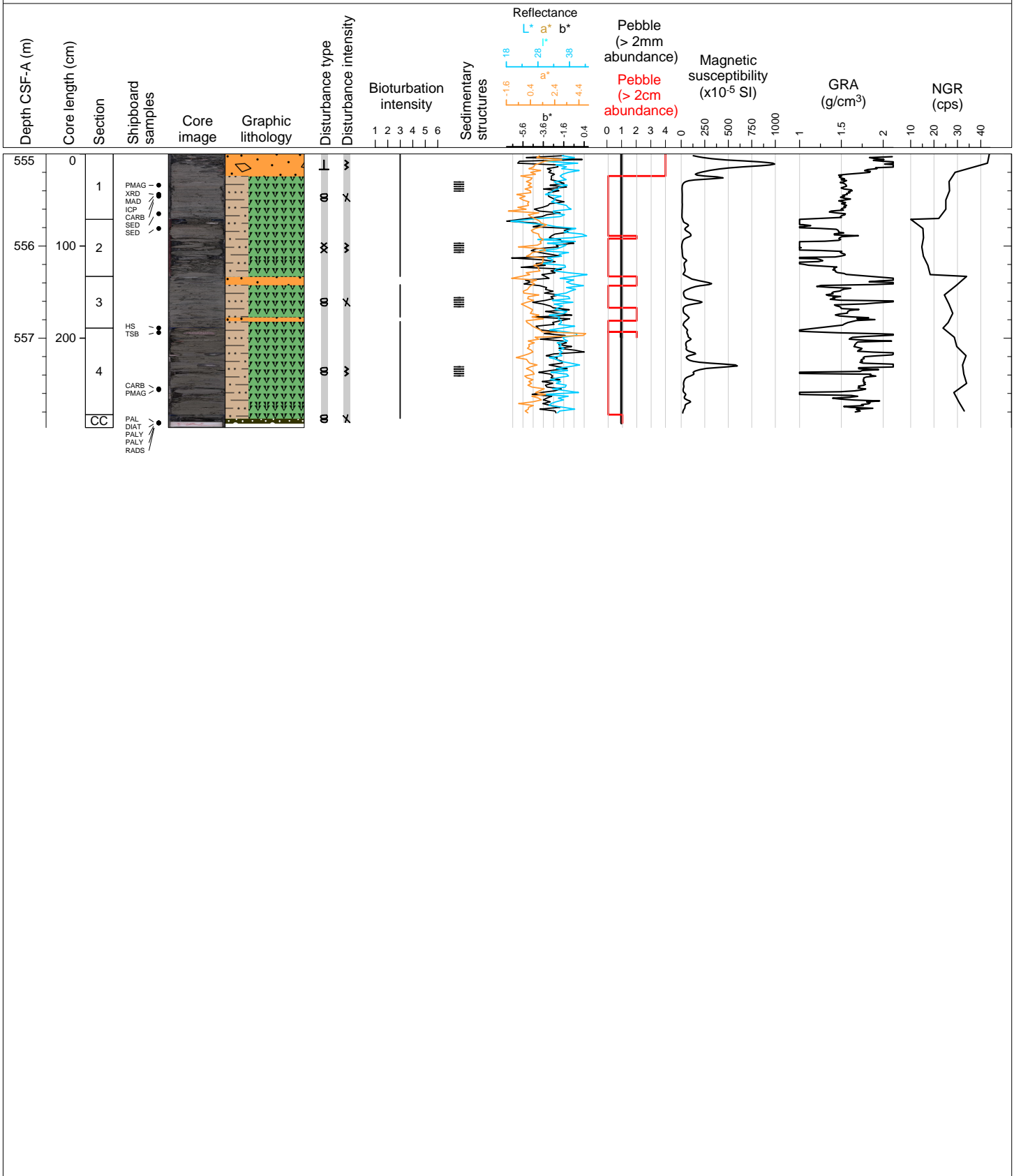
Hole 382-U1538A Core 61X, Interval 545.4-550.14 m (CSF-A)

top 23 cm fall in, dark greenish grey biosiliceous bearing silty clay



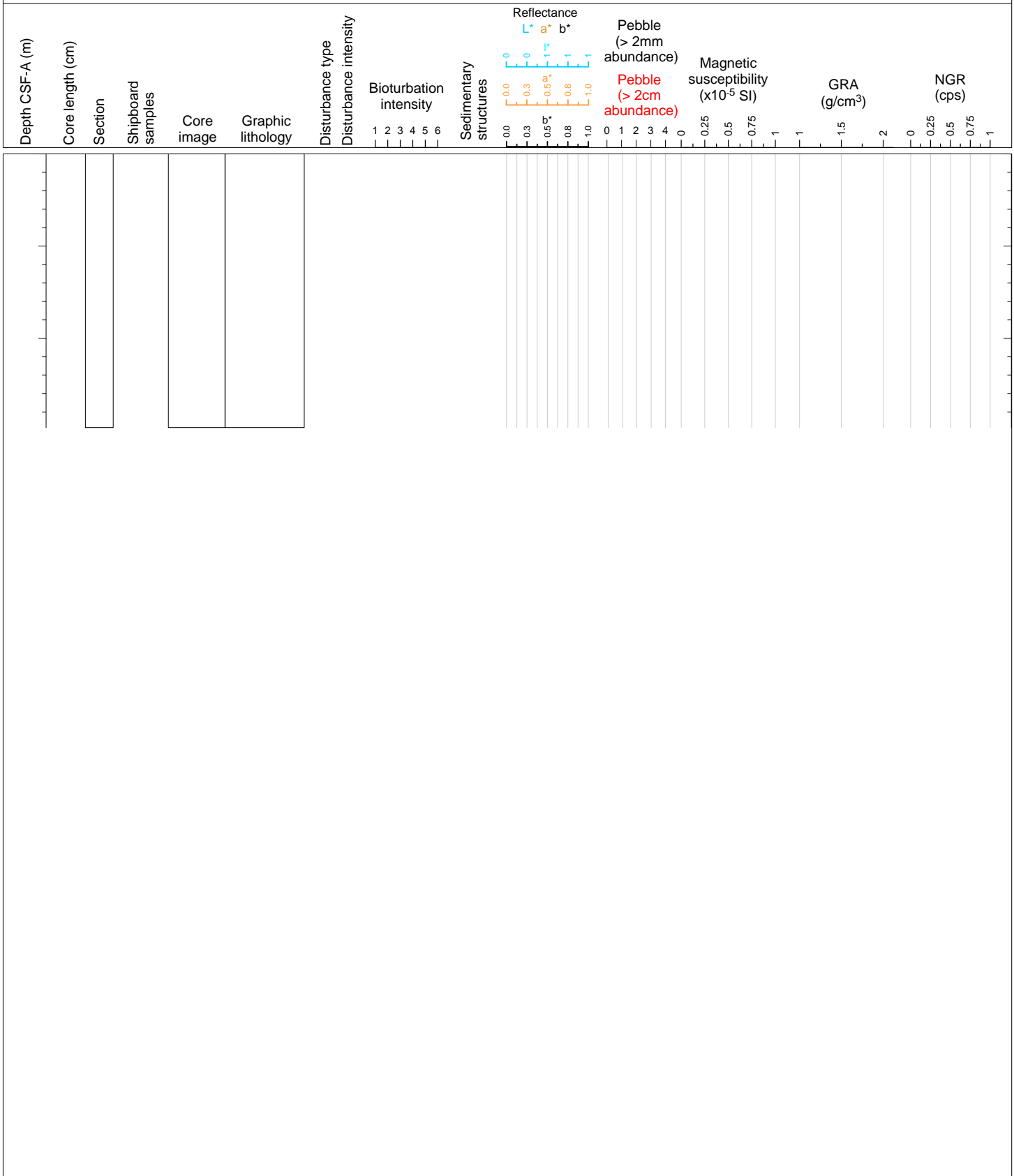
Hole 382-U1538A Core 62X, Interval 555.0-557.97 m (CSF-A)

top 24 cm fall in, dark greenish grey silty clay rich diatomite with interbedded pebble layers and larger IRD



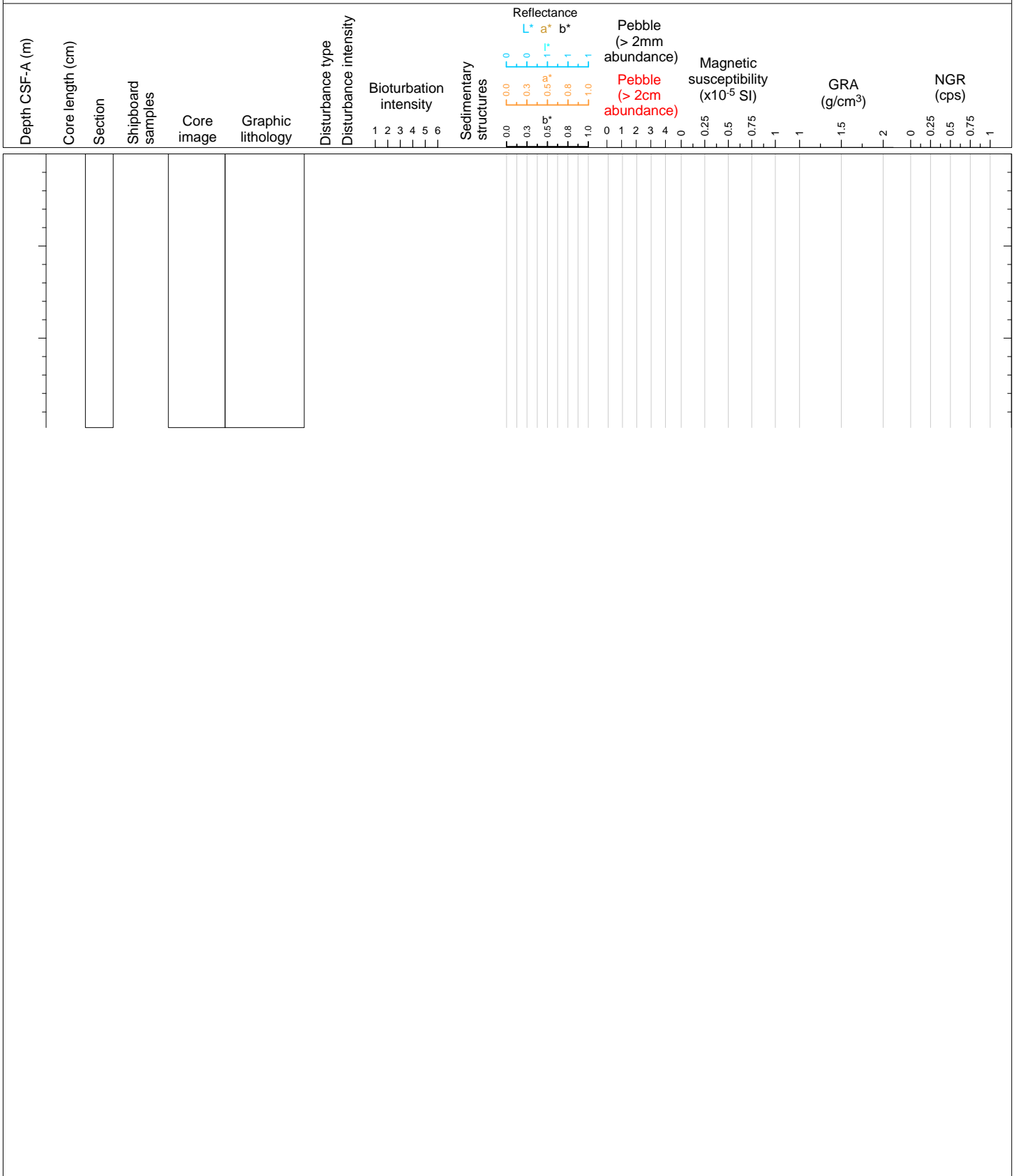
Hole 382-U1538A Core 63X, Interval 564.6-564.6 m (CSF-A)

NO RECOVERY



Hole 382-U1538A Core 64X, Interval 574.1-574.1 m (CSF-A)

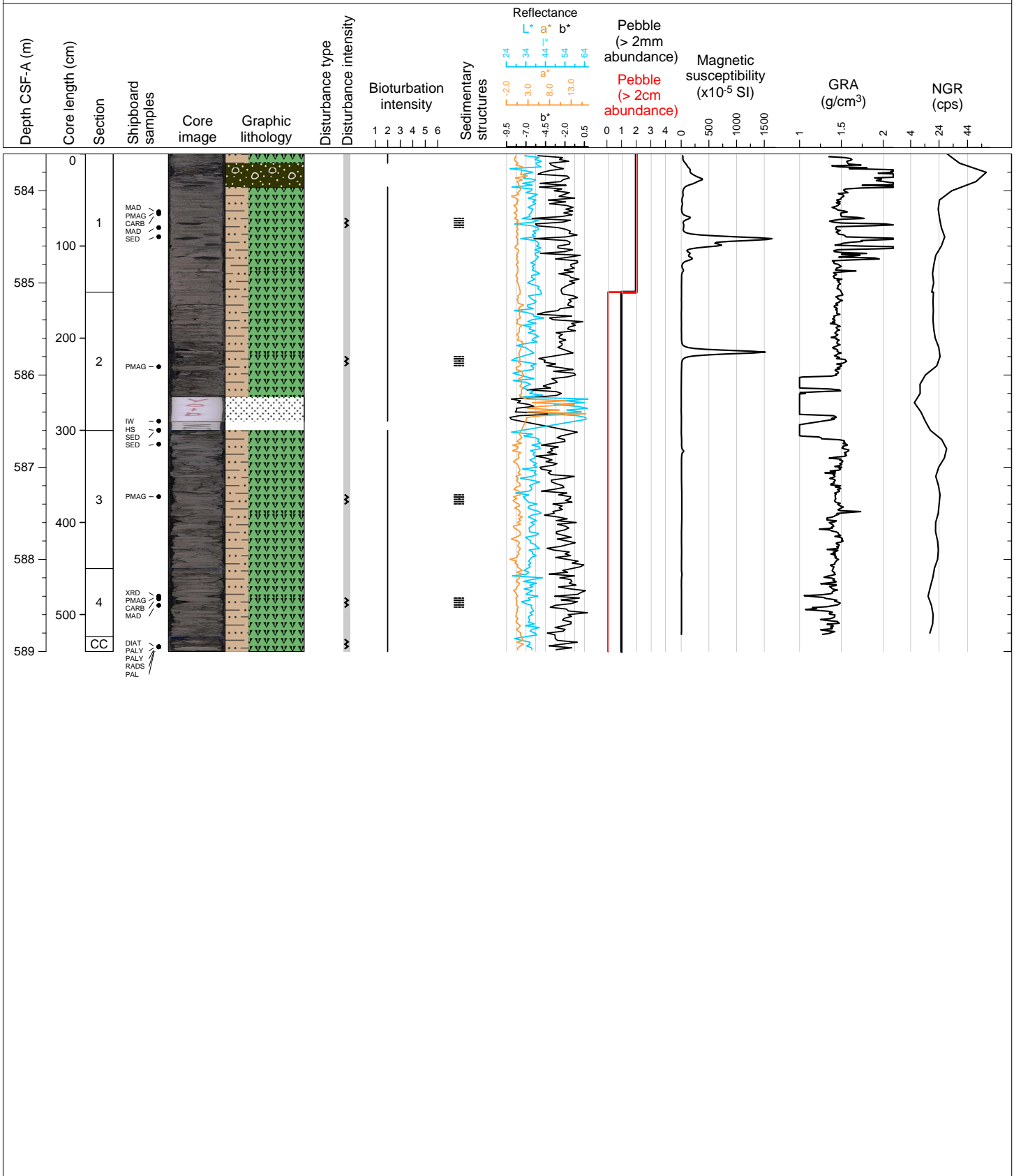
NO RECOVERY





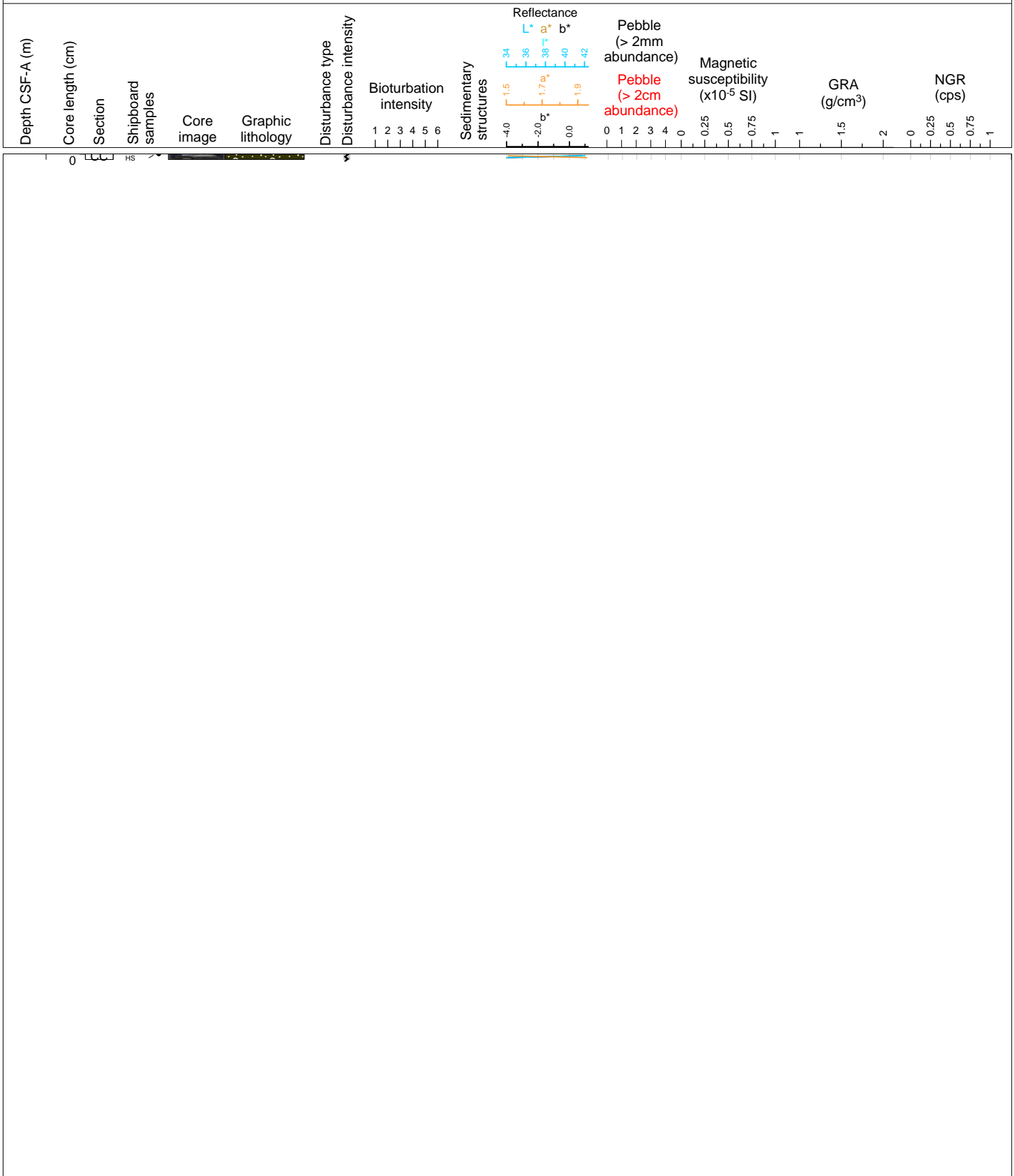
Hole 382-U1538A Core 65X, Interval 583.6-589.0 m (CSF-A)

silty clay rich dolomite with a lot of dropstones.



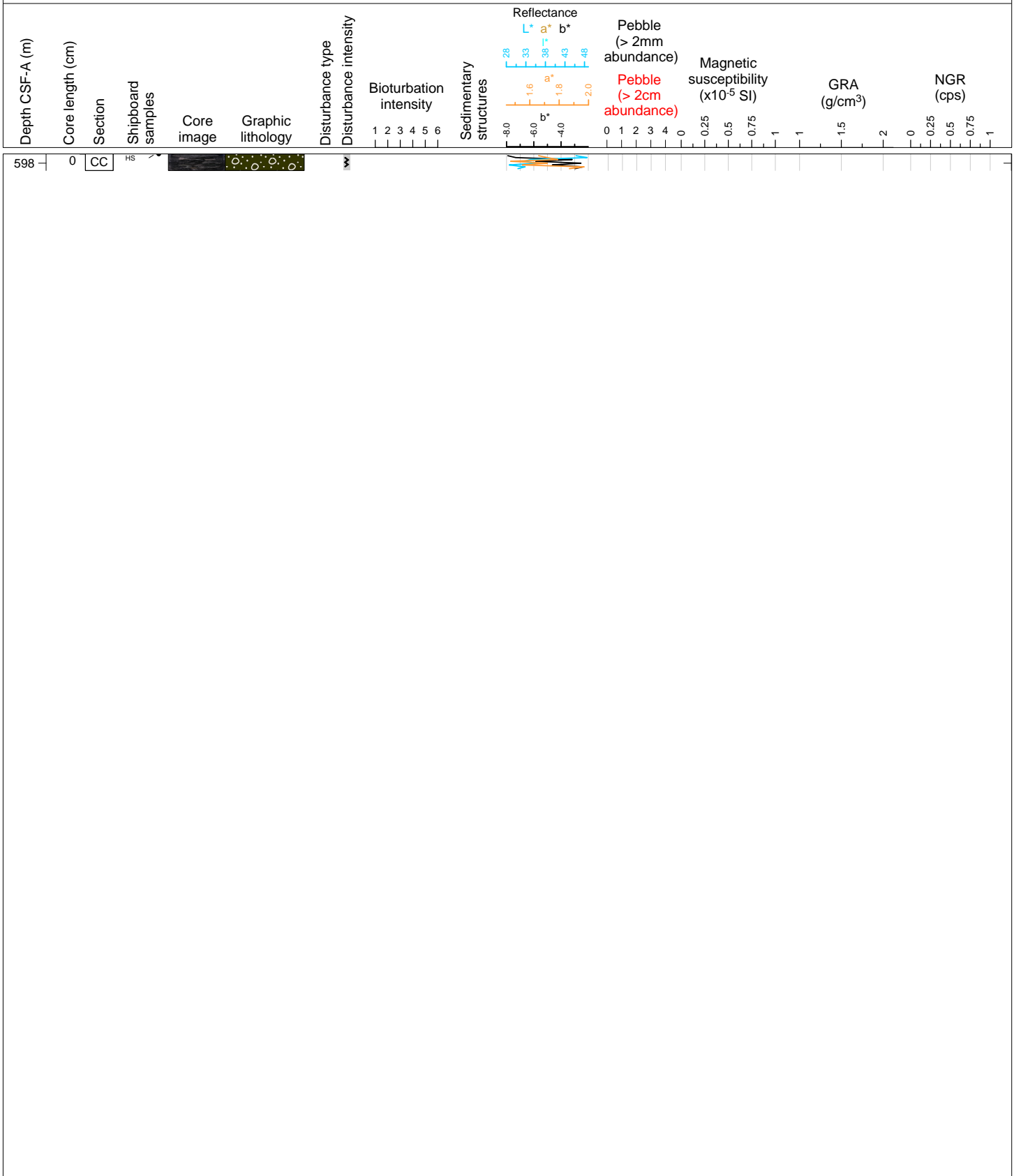
Hole 382-U1538A Core 66X, Interval 593.1-593.16 m (CSF-A)

Only 3 dropstones.



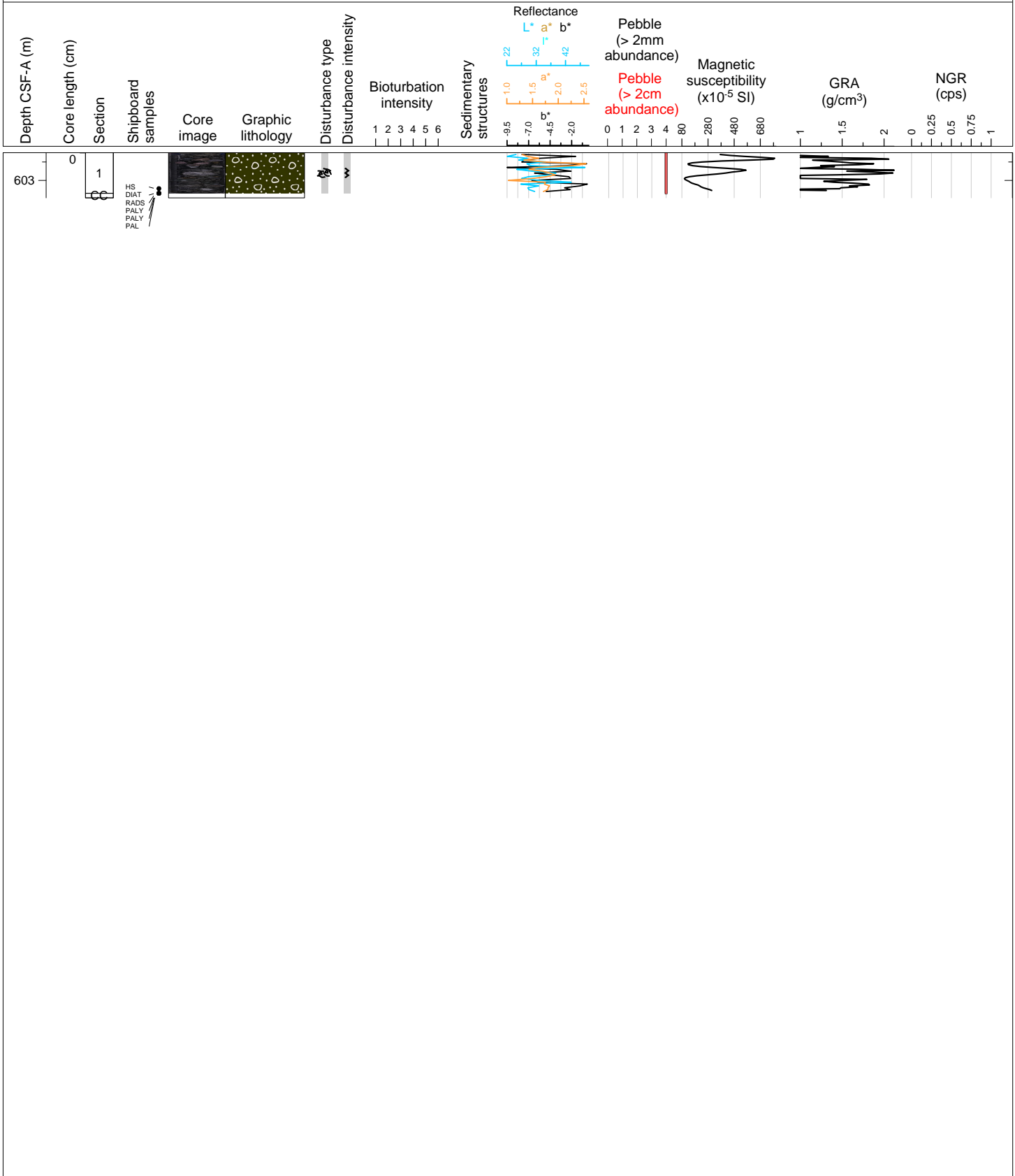
Hole 382-U1538A Core 67X, Interval 597.9-598.08 m (CSF-A)

Constrain of only dropstones.



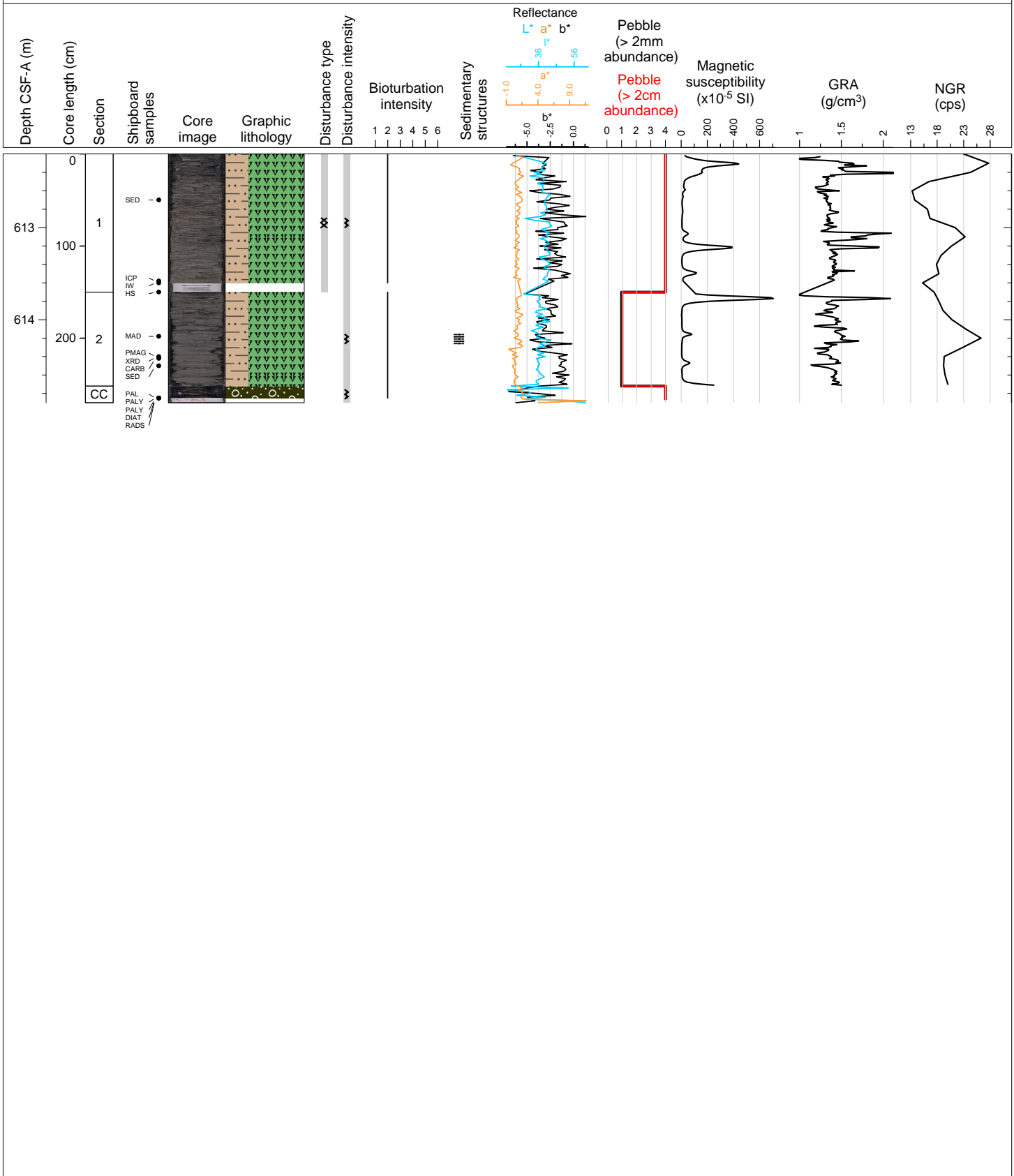
Hole 382-U1538A Core 68X, Interval 602.7-603.19 m (CSF-A)

washed gravel



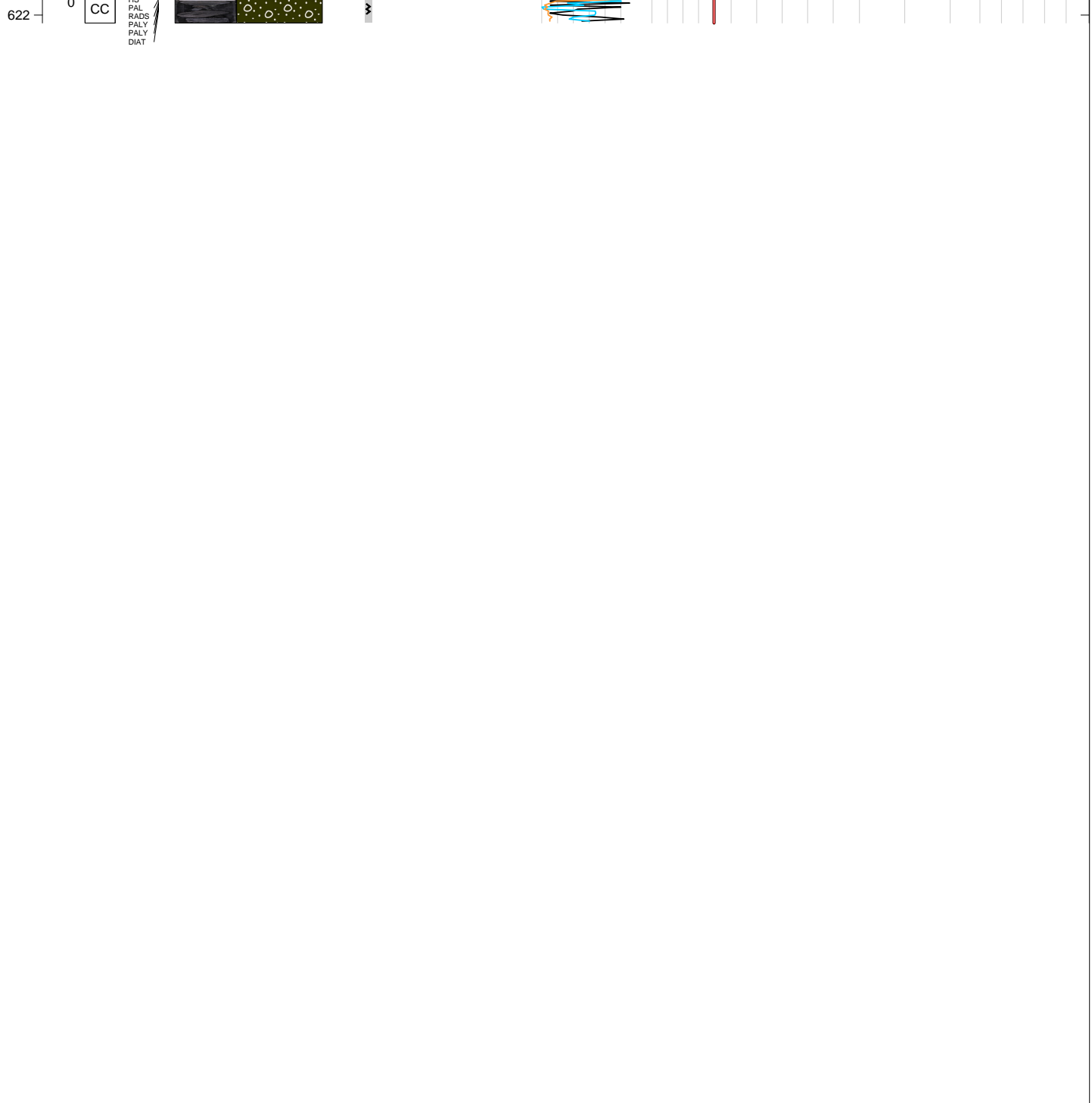
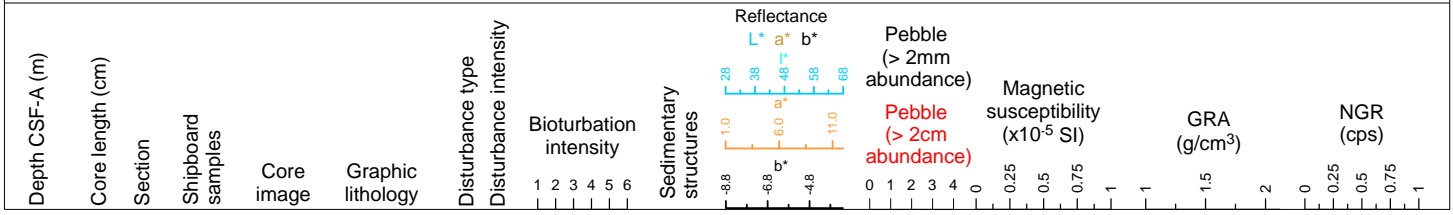
Hole 382-U1538A Core 69X, Interval 612.2-614.9 m (CSF-A)

Dominant silty clay rich dolomite with some dropstones.



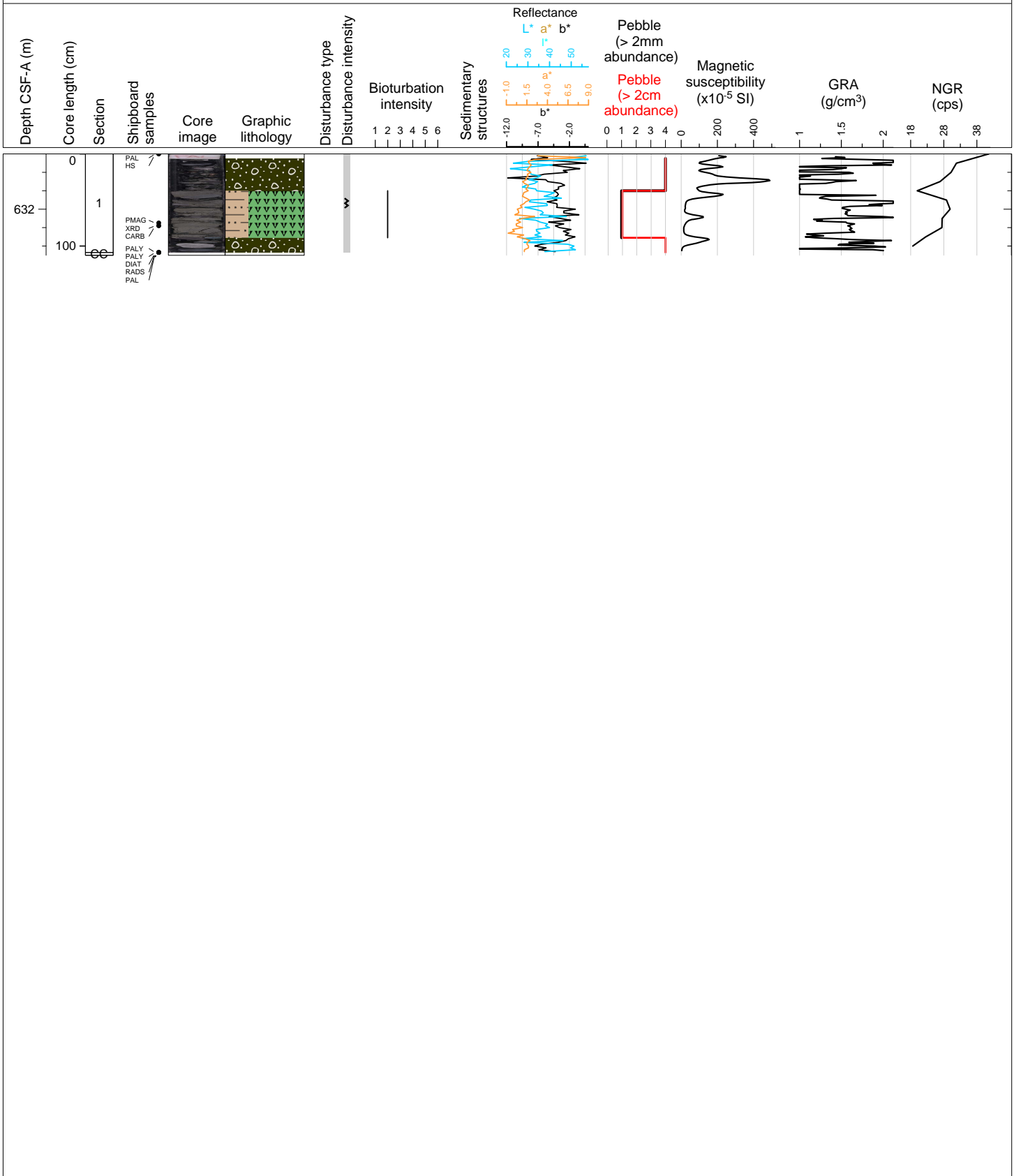
Hole 382-U1538A Core 70X, Interval 621.8-622.08 m (CSF-A)

washed gravel



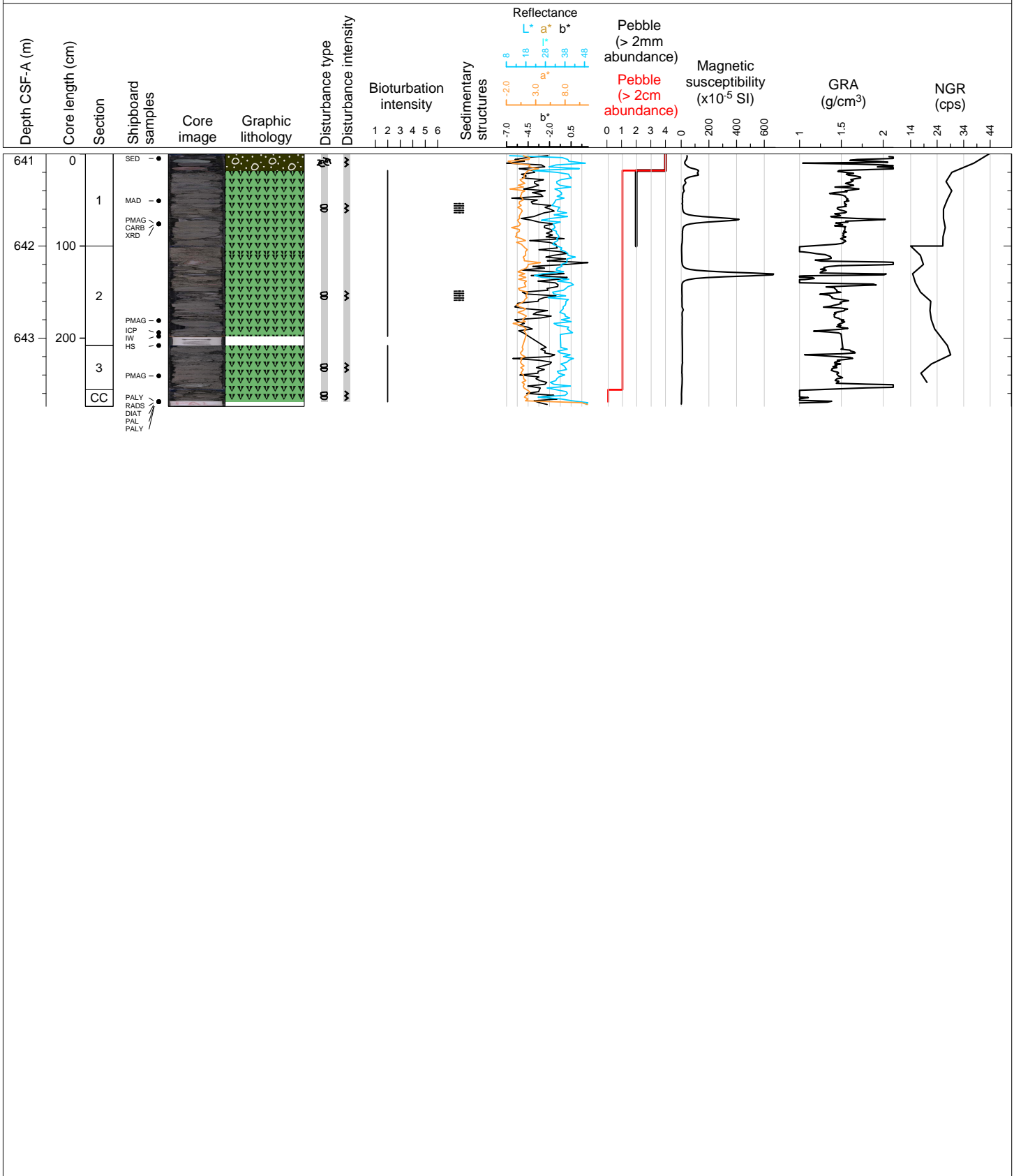
Hole 382-U1538A Core 71X, Interval 631.4-632.5 m (CSF-A)

washed gravel and silty clay rich dolomite.



Hole 382-U1538A Core 72X, Interval 641.0-643.74 m (CSF-A)

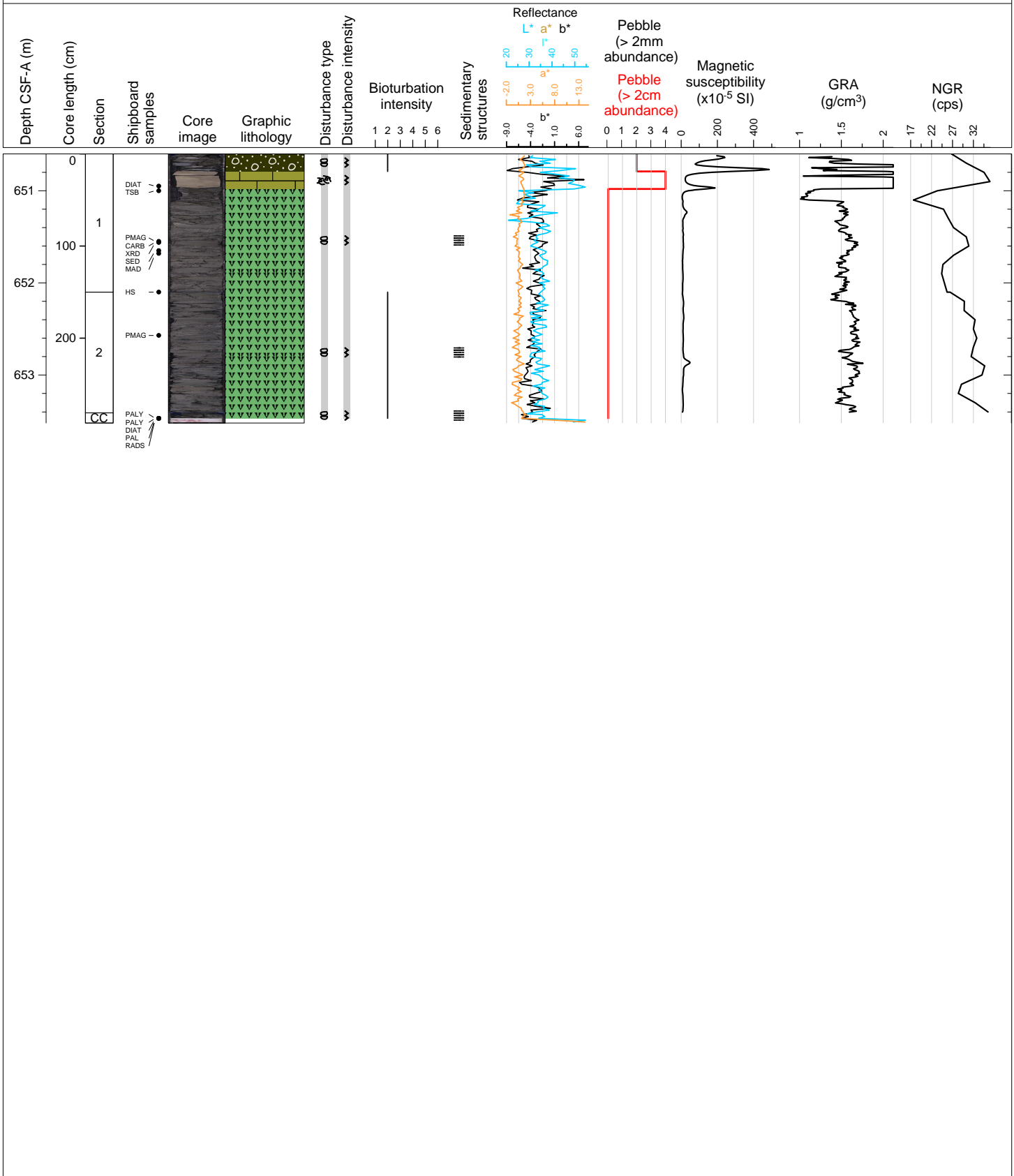
silty clay rich dolomite with a lot of dropstones.





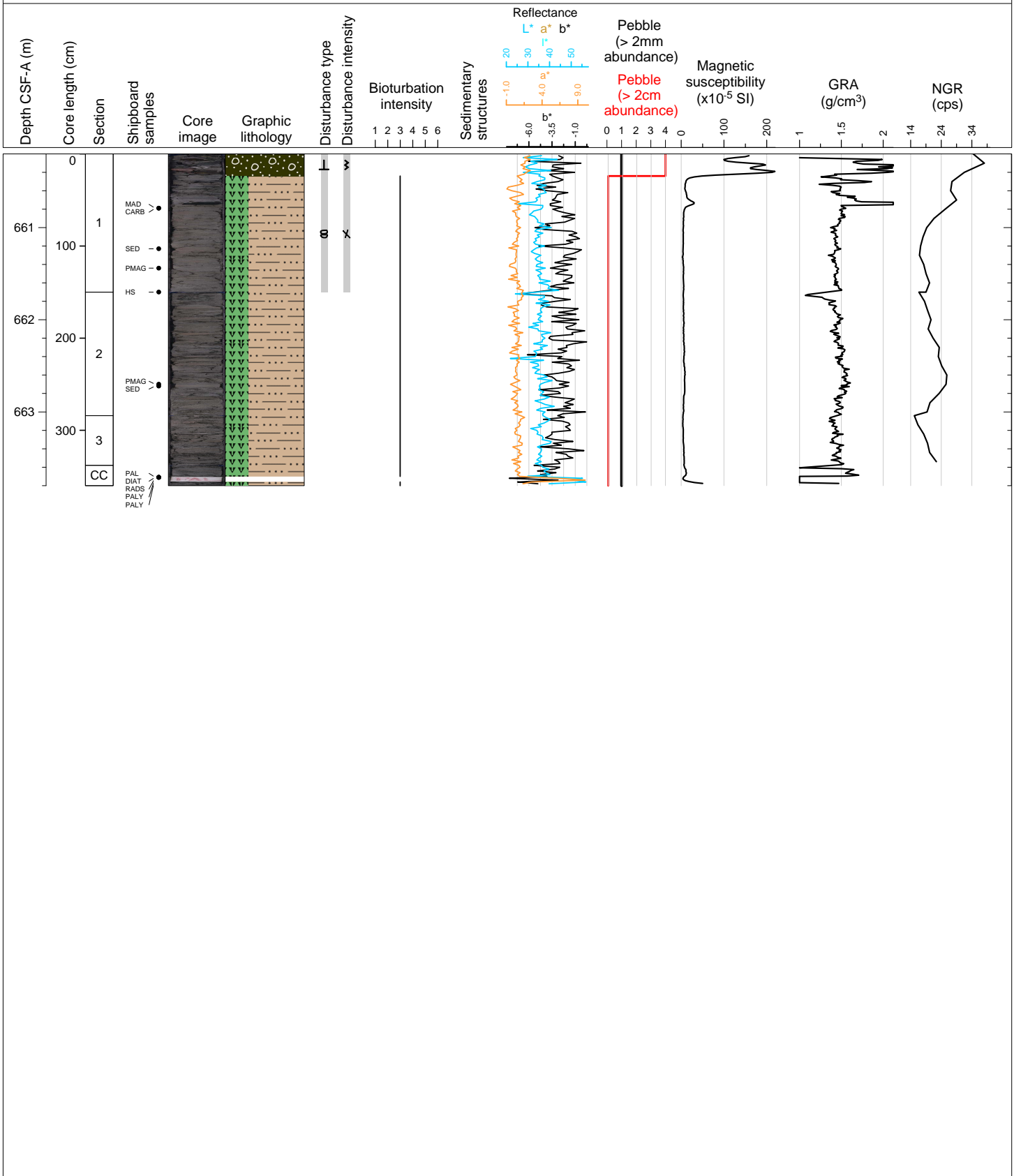
Hole 382-U1538A Core 73X, Interval 650.6-653.52 m (CSF-A)

silty clay rich dolomite with a lot of dropstones. limestone layer or dropsone is present in Section 1A.



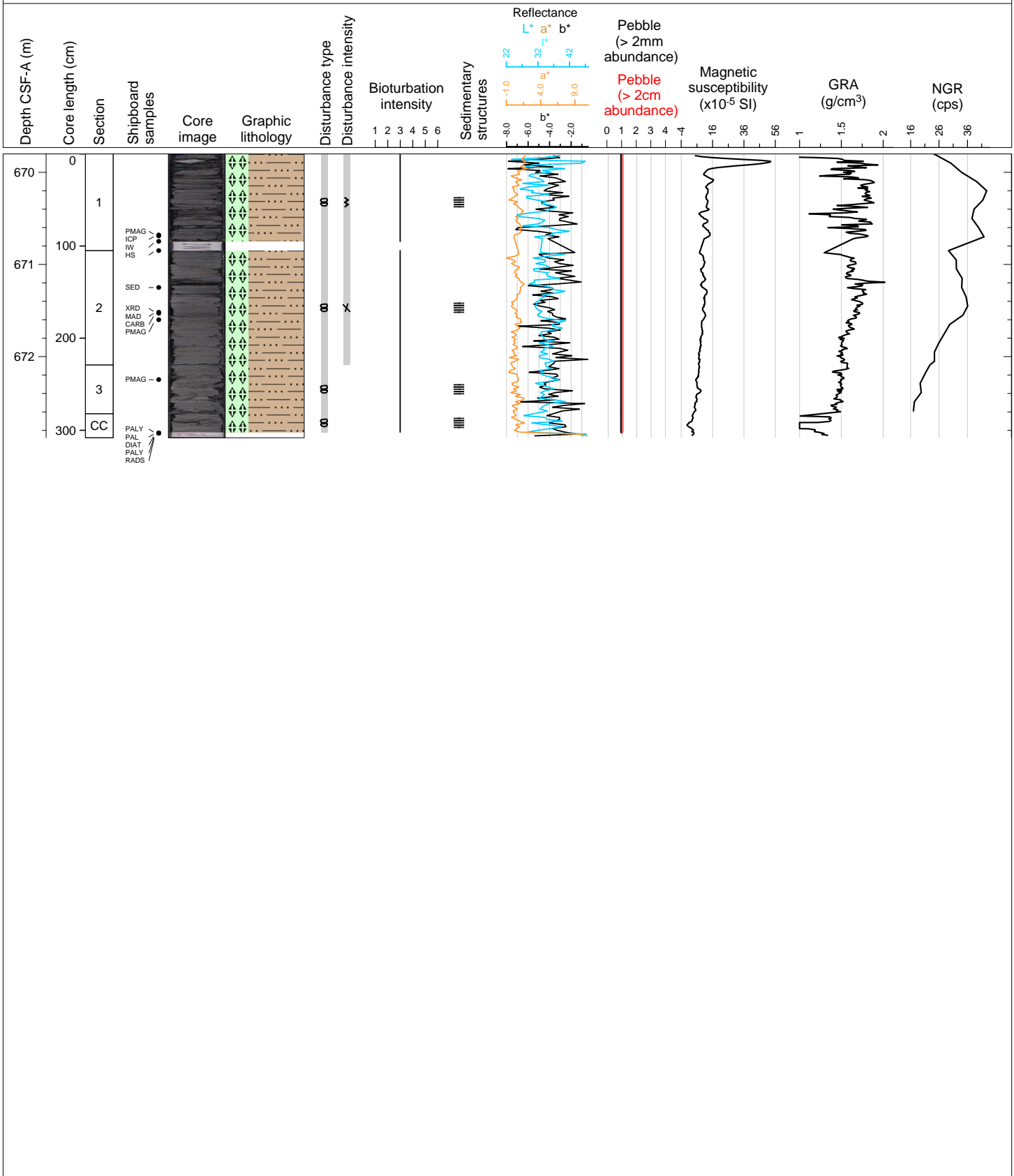
Hole 382-U1538A Core 74X, Interval 660.2-663.8 m (CSF-A)

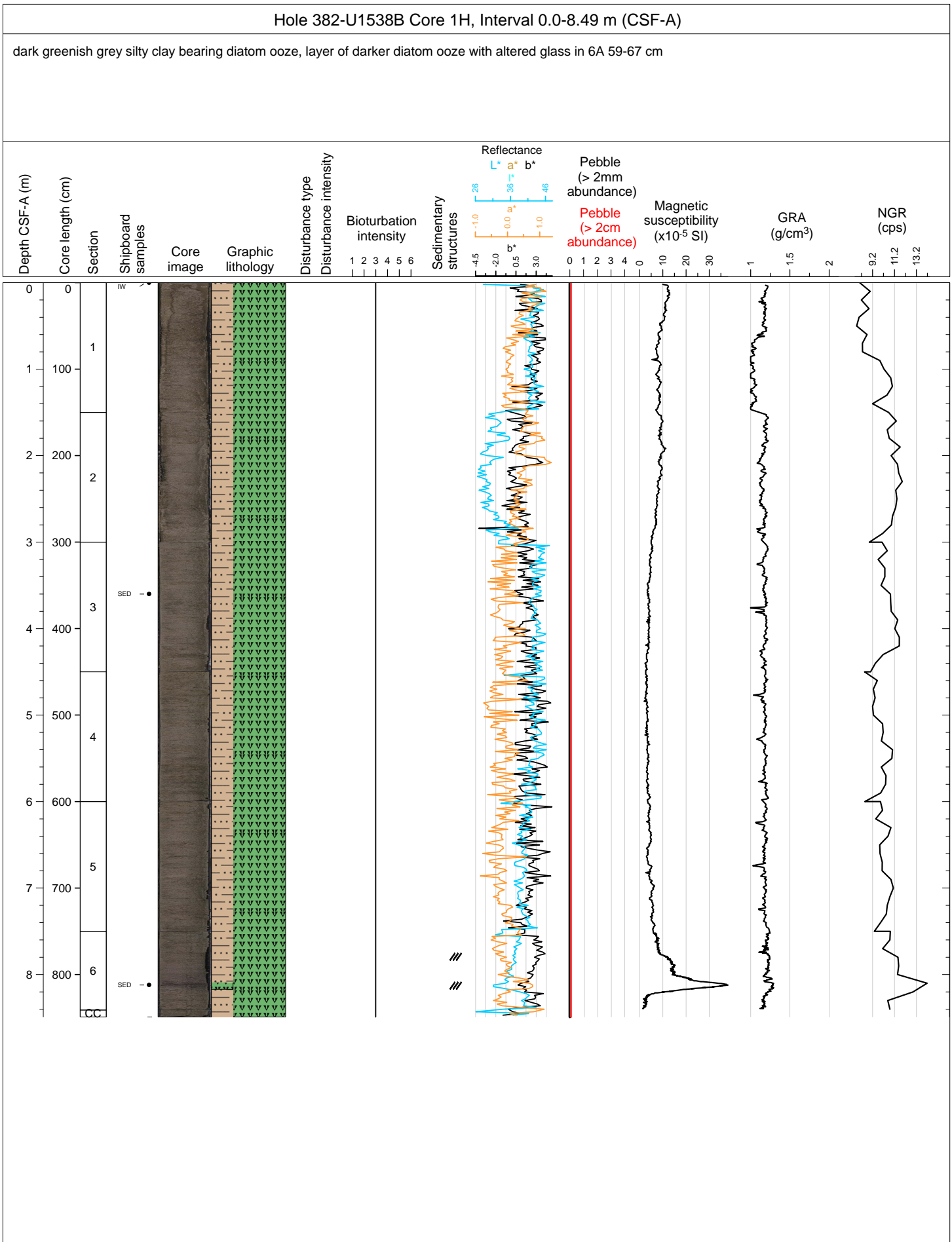
dark greenish grey diatom rich silty clay



Hole 382-U1538A Core 75X, Interval 669.8-672.88 m (CSF-A)

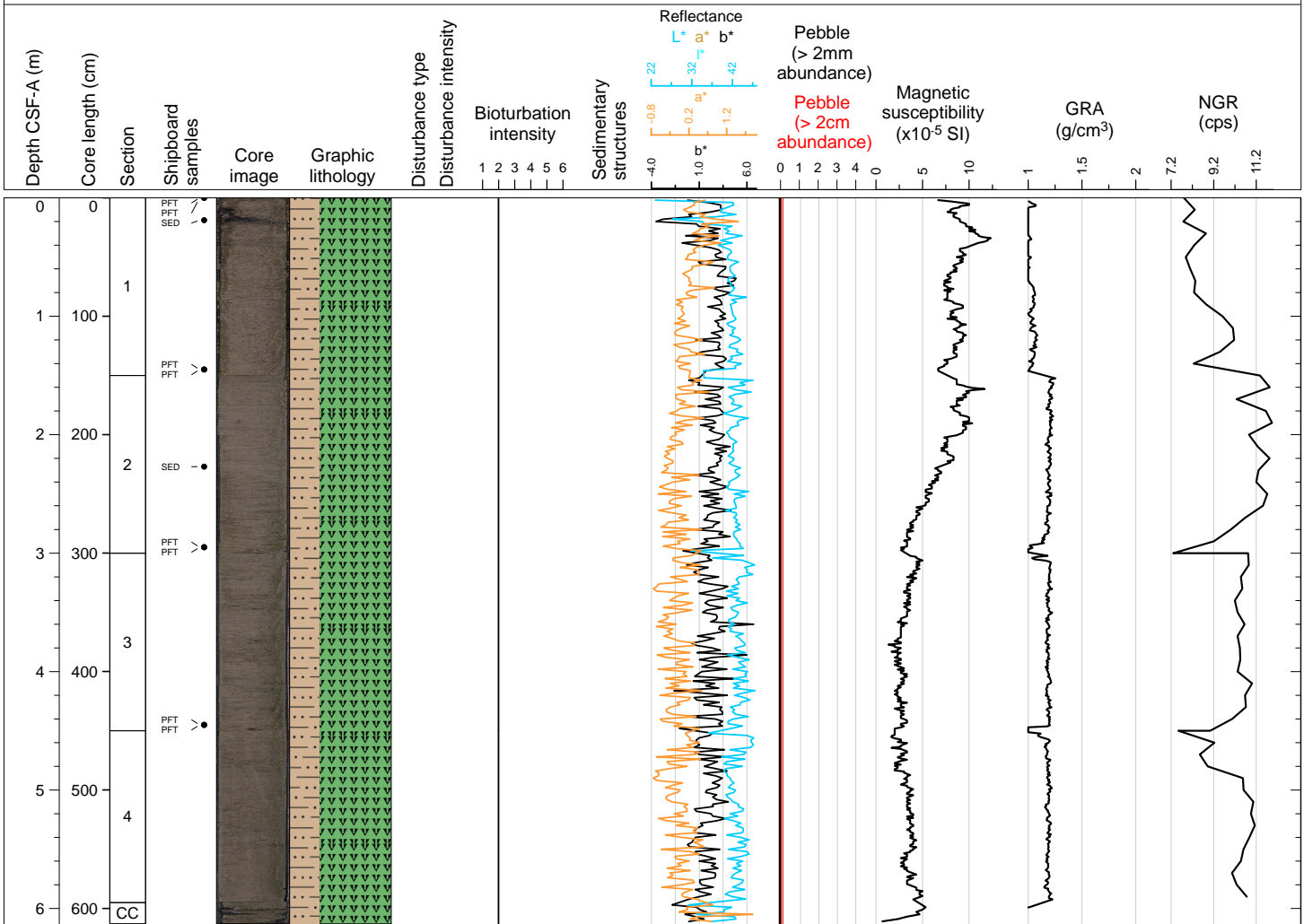
dark greenish grey biosiliceous bearing silty clay, several brecciated mudstones

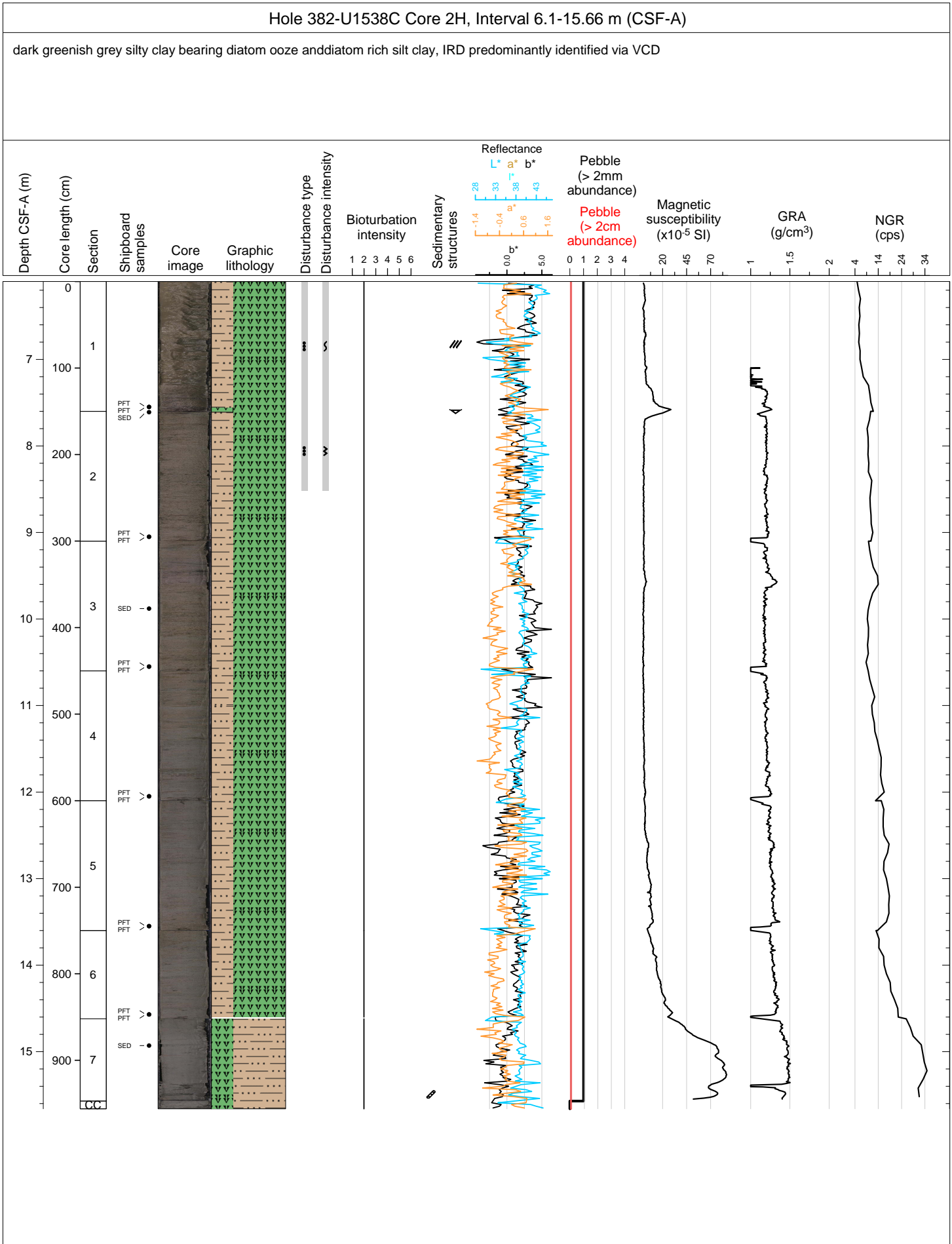




Hole 382-U1538C Core 1H, Interval 0.0-6.13 m (CSF-A)

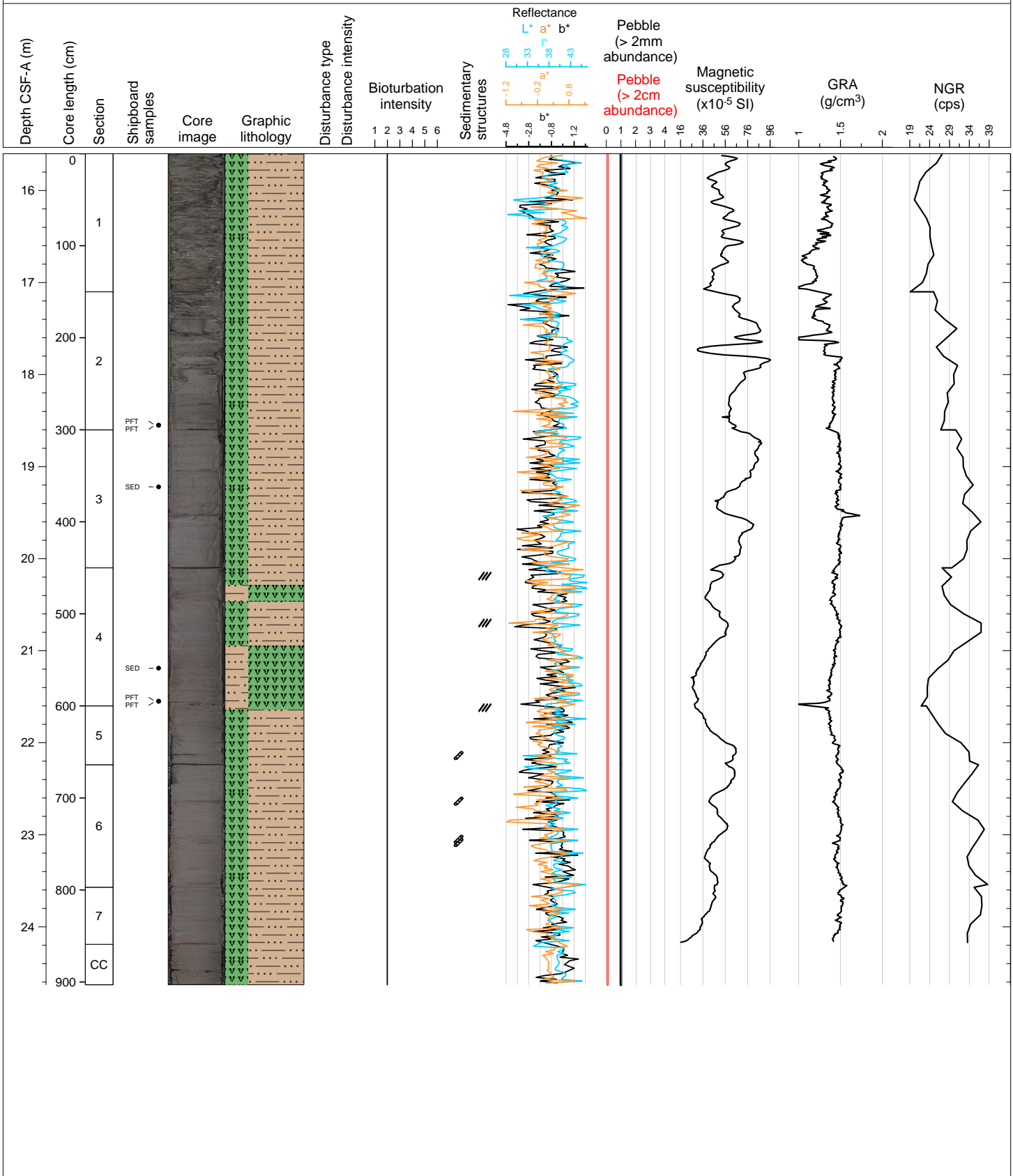
dark greenish grey diatom ooze, decaying seaweed in 1A-10-19 cm





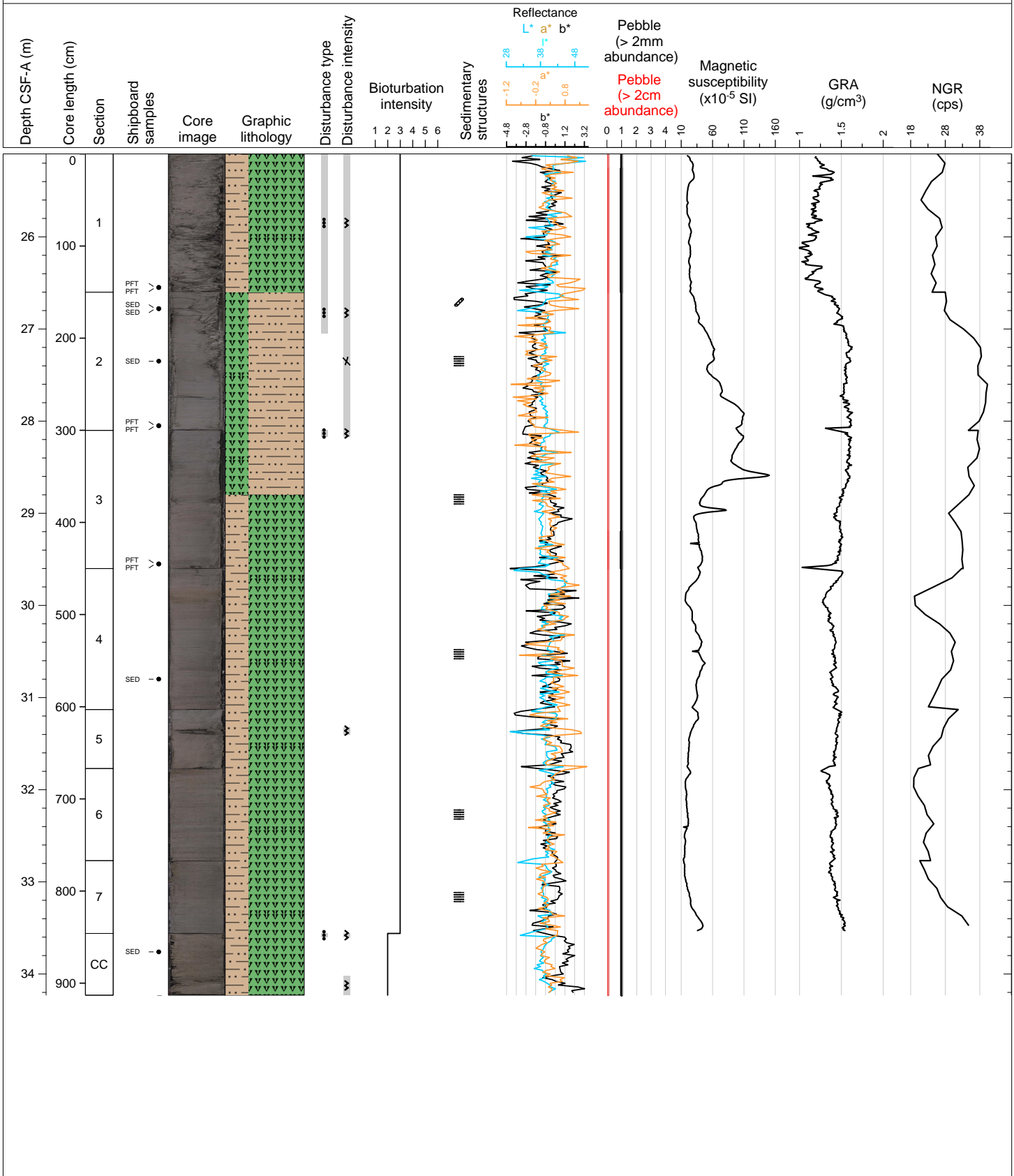
Hole 382-U1538C Core 3H, Interval 15.6-24.63 m (CSF-A)

sections 1A & 2A highly disturbed, interbedded dark greenish grey diatom rich silty clay and silty clay rich diatom ooze, IRD predominantly identified via X-radiographs

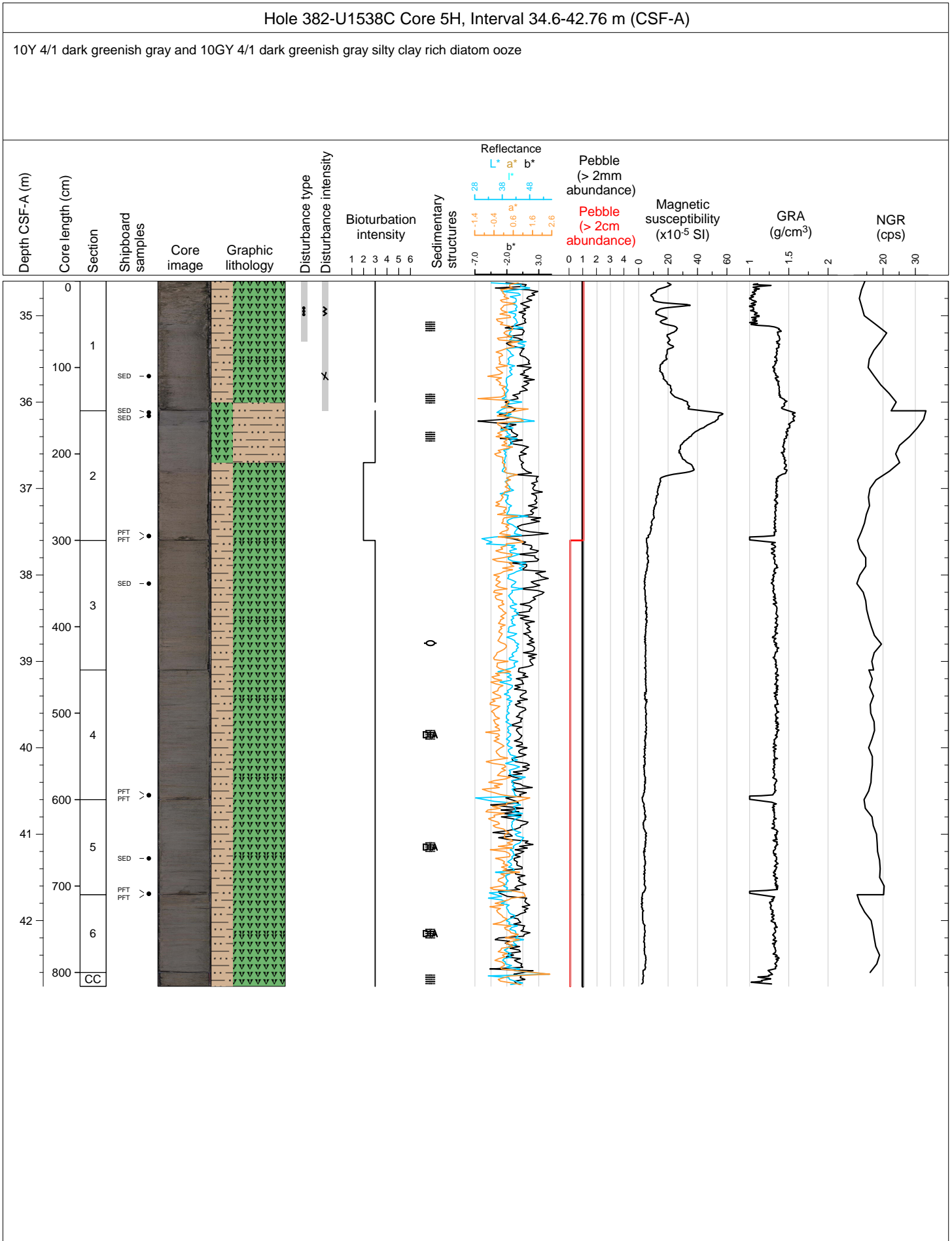


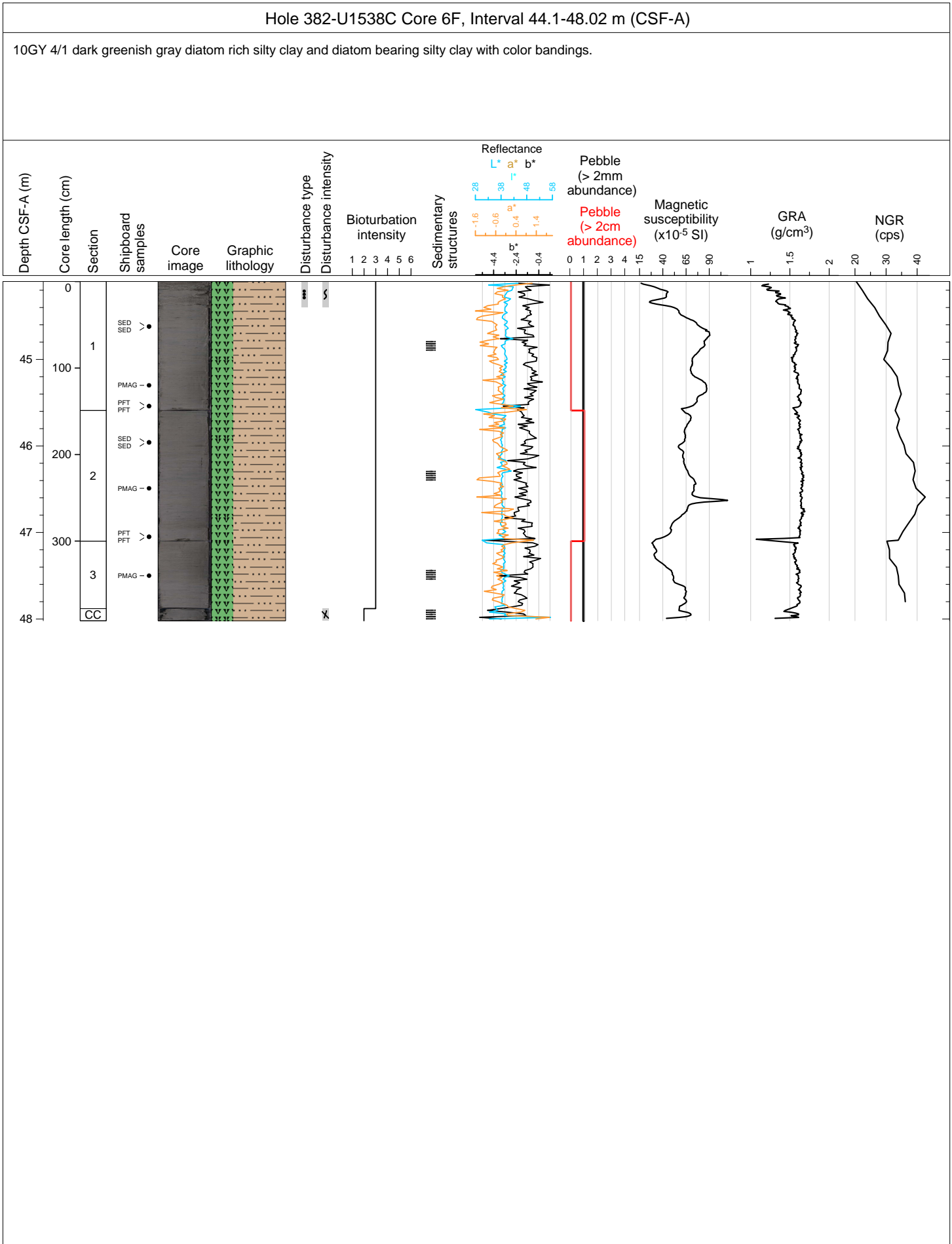
Hole 382-U1538C Core 4H, Interval 25.1-34.23 m (CSF-A)

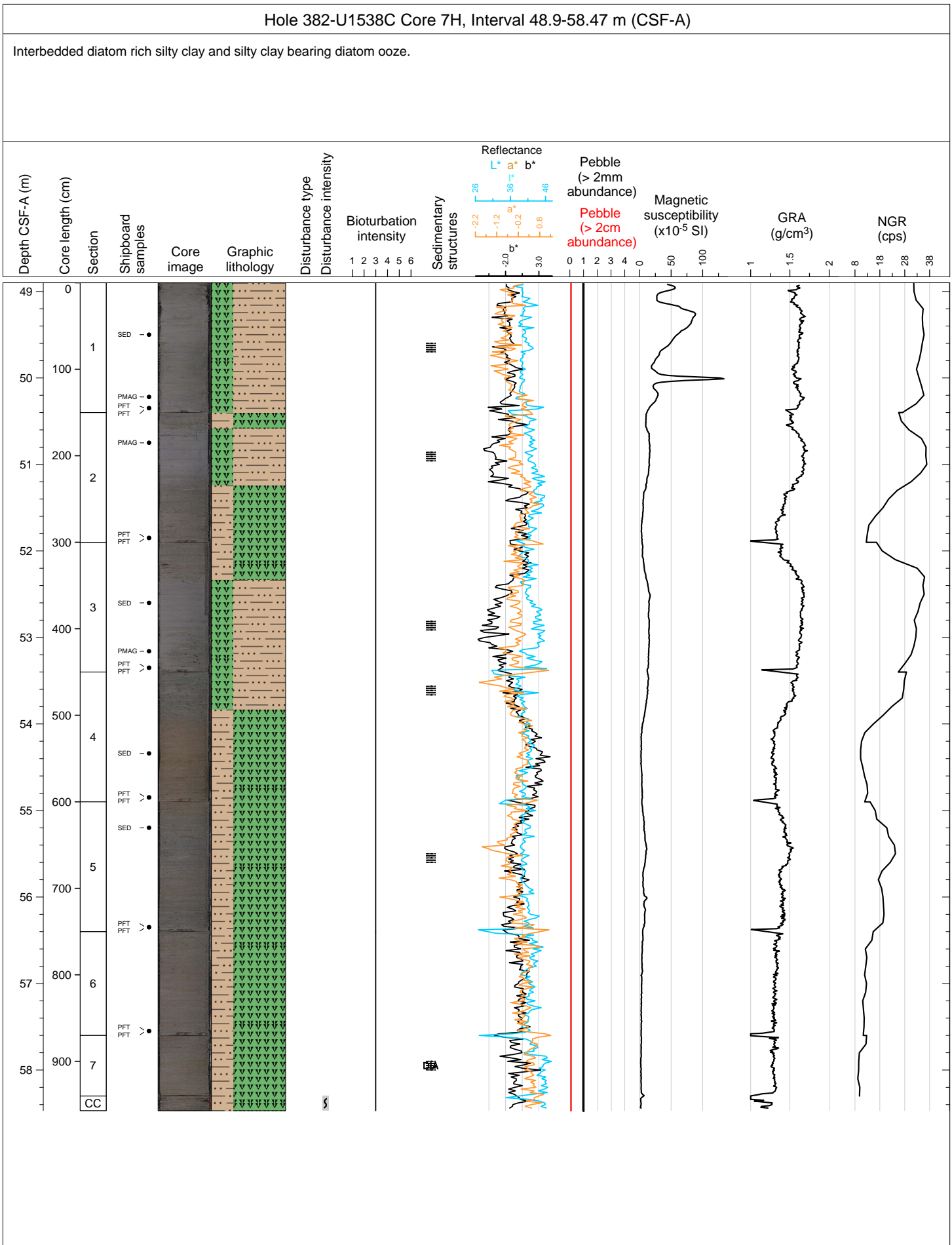
5GY 5/1 greenish gray silty clay rich diatom ooze and diatom rich silty clay with color banding present in sections 2,3,4,6 and 7. In general there is a slight bioturbation intensity.





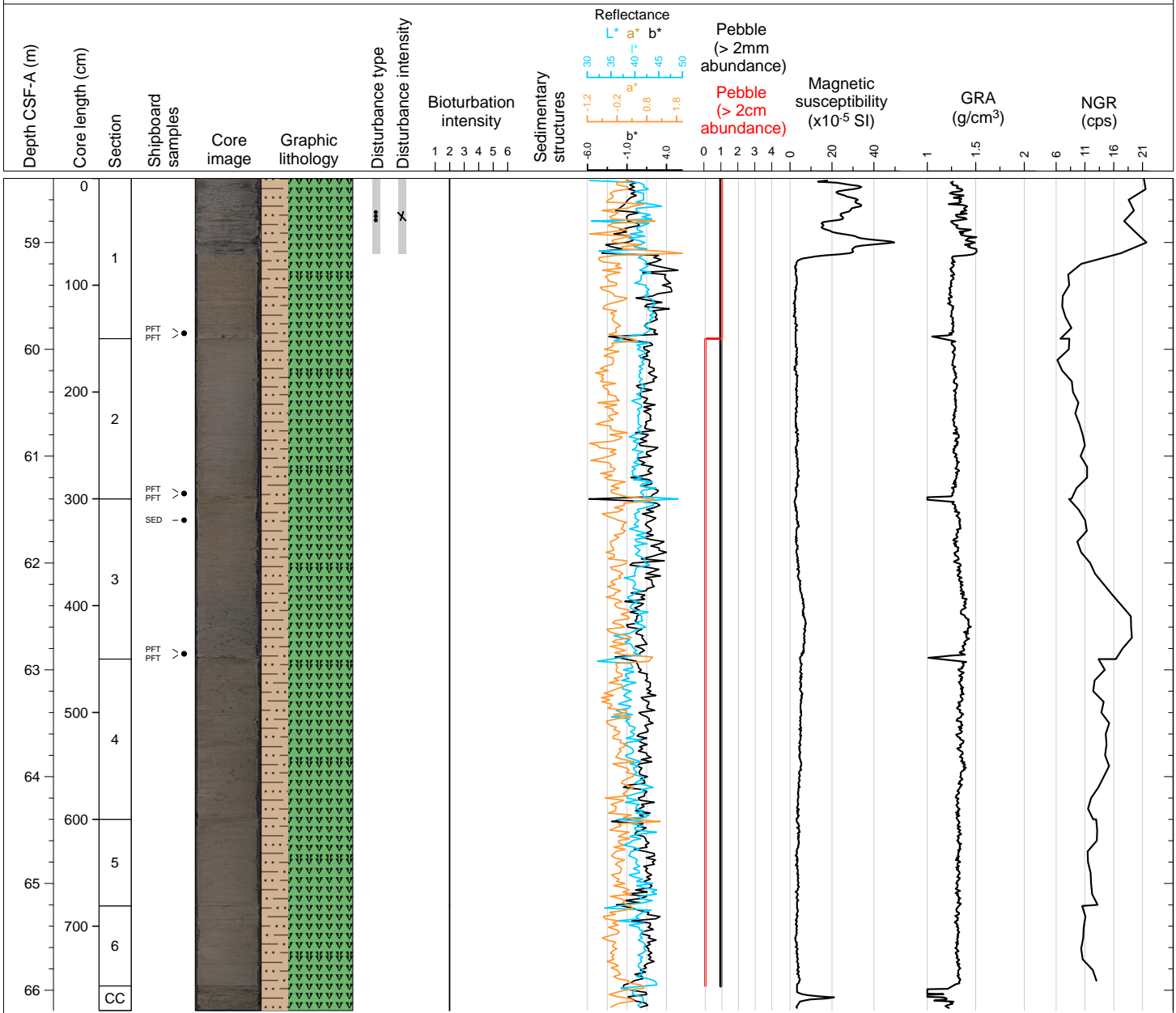






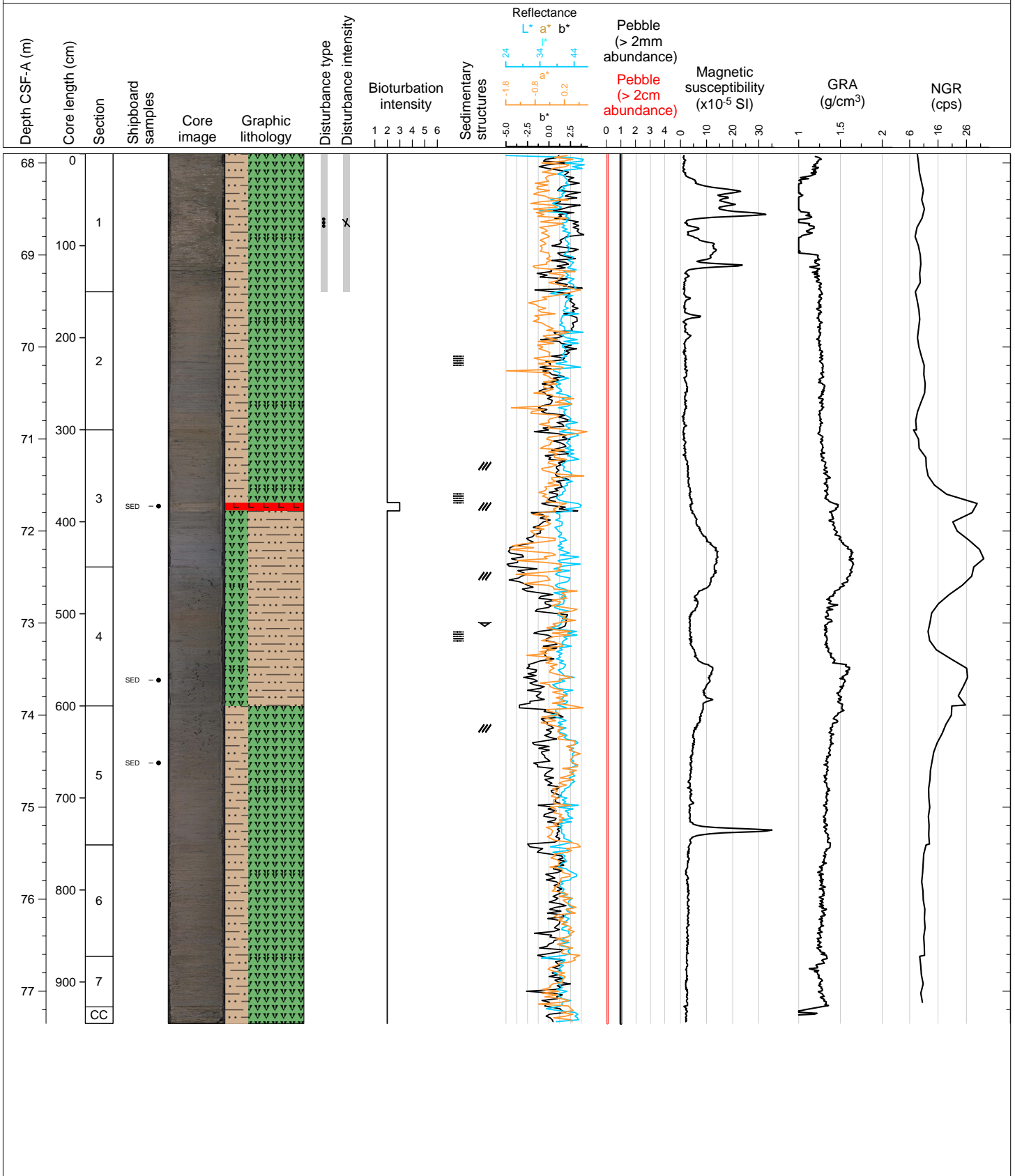
Hole 382-U1538C Core 8H, Interval 58.4-66.19 m (CSF-A)

dark greenish grey diatom ooze, IRD predominantly identified via X-radiographs



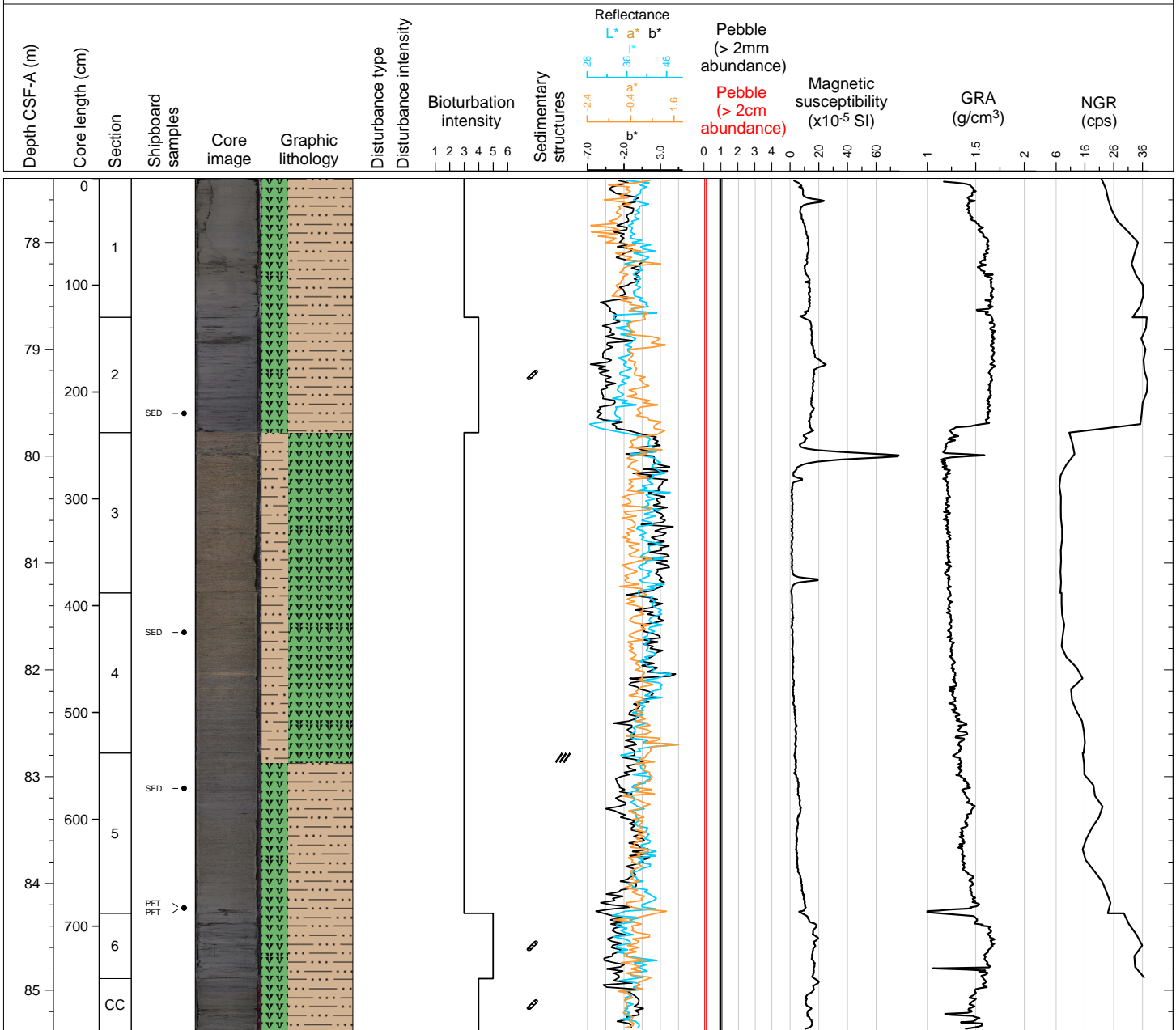
Hole 382-U1538C Core 9H, Interval 67.9-77.35 m (CSF-A)

interbedded dark greenish grey silty clay rich diatom ooze and diatom rich/bearing silty clay, IRD predominantly identified via X-radiographs, carbonate layer in 3A 79-88 cm



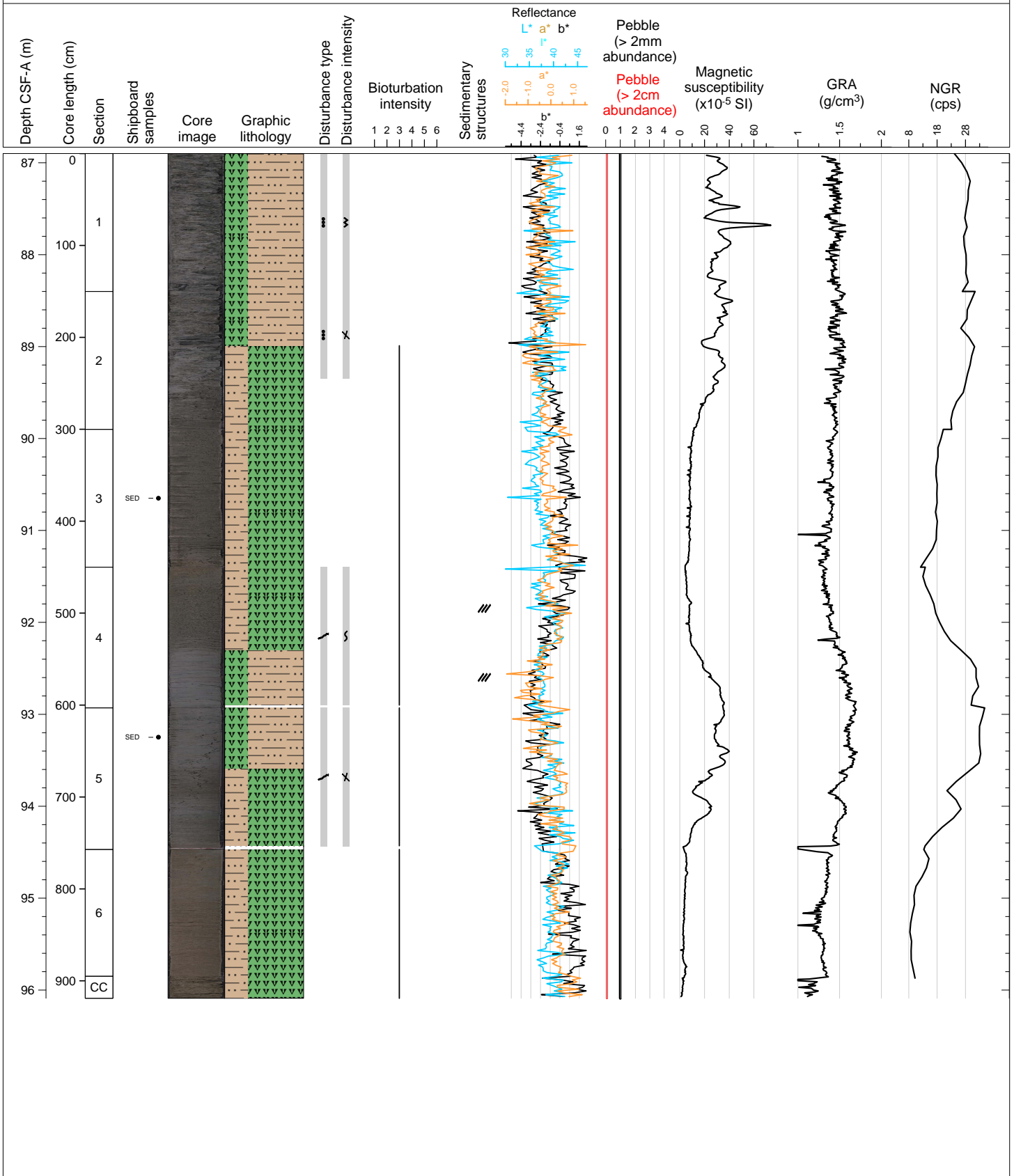
Hole 382-U1538C Core 10H, Interval 77.4-85.38 m (CSF-A)

interbedded dark greenish grey silty clay and diatom ooze, IRD predominantly identified via X-radiographs, probably missing interval between 2A and 3A



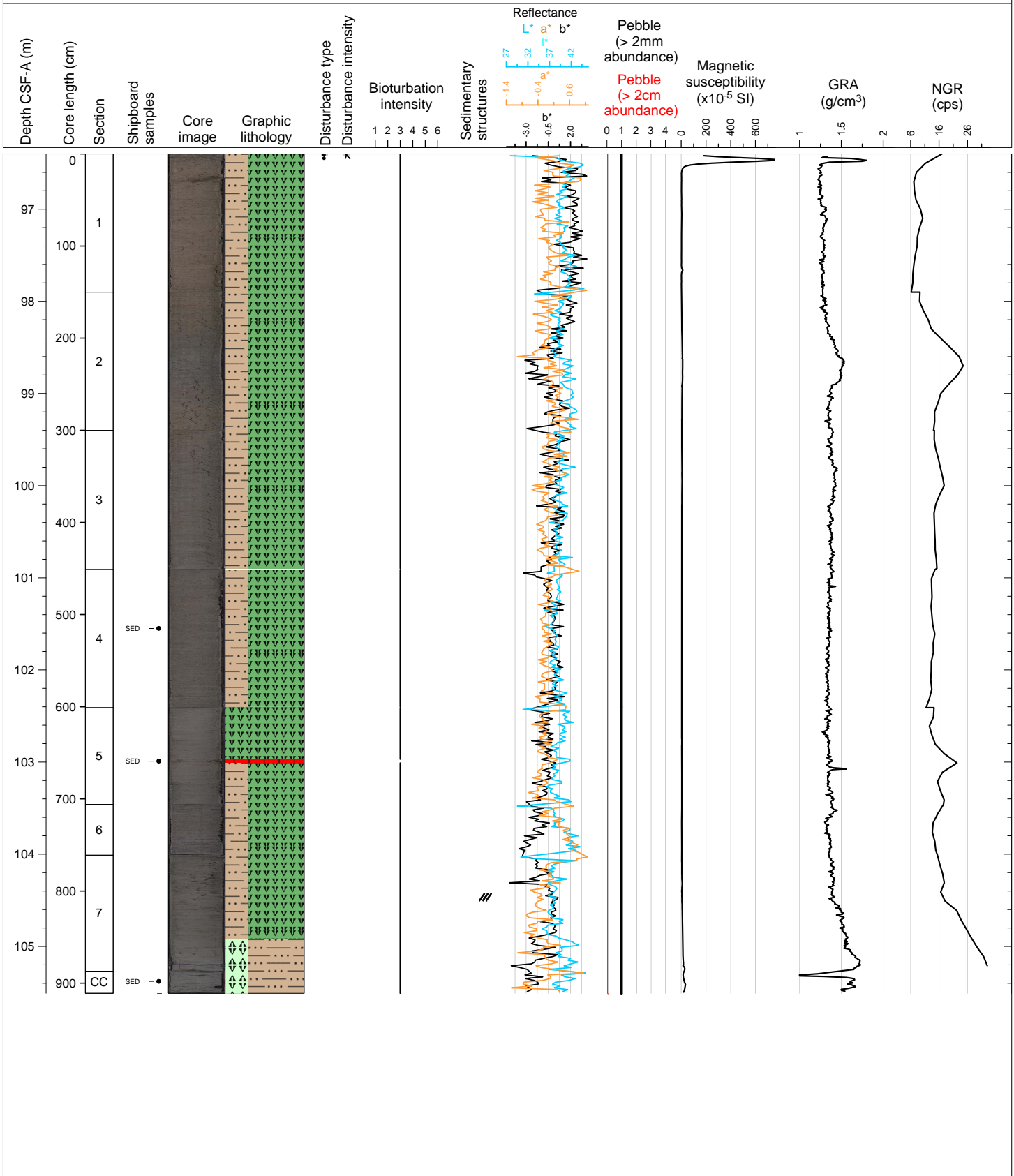
Hole 382-U1538C Core 11H, Interval 86.9-96.09 m (CSF-A)

interbedded dark greenish grey diatom rich silty clay and silty clay rich diatom ooze, IRD identified via X-radiographs



Hole 382-U1538C Core 12H, Interval 96.4-105.51 m (CSF-A)

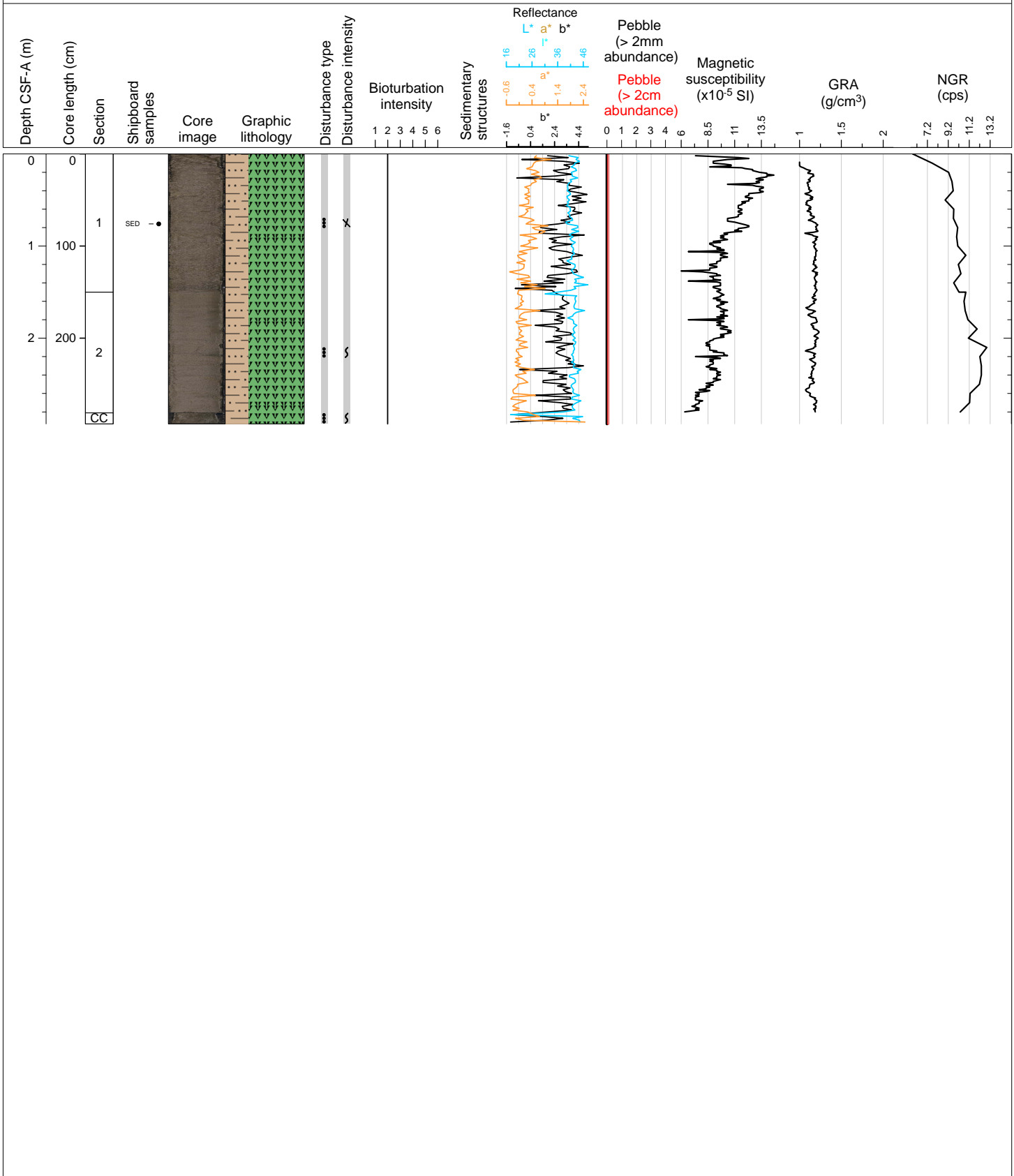
interbedded dark greenish grey diatom rich silty clay and silty clay rich diatom ooze, IRD identified via X-radiographs, carbonate layer in 5A 56-60 cm





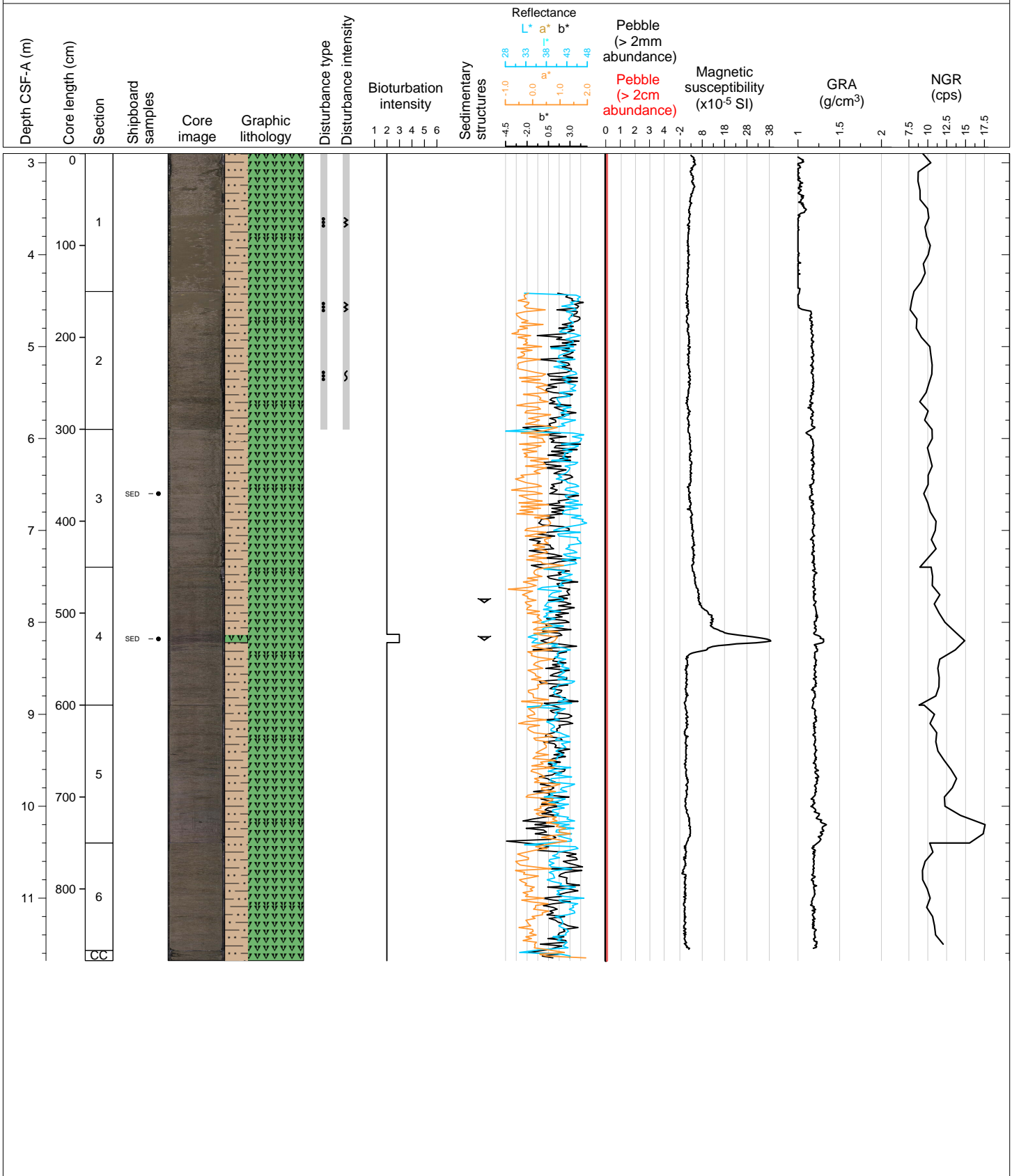
Hole 382-U1538D Core 1H, Interval 0.0-2.93 m (CSF-A)

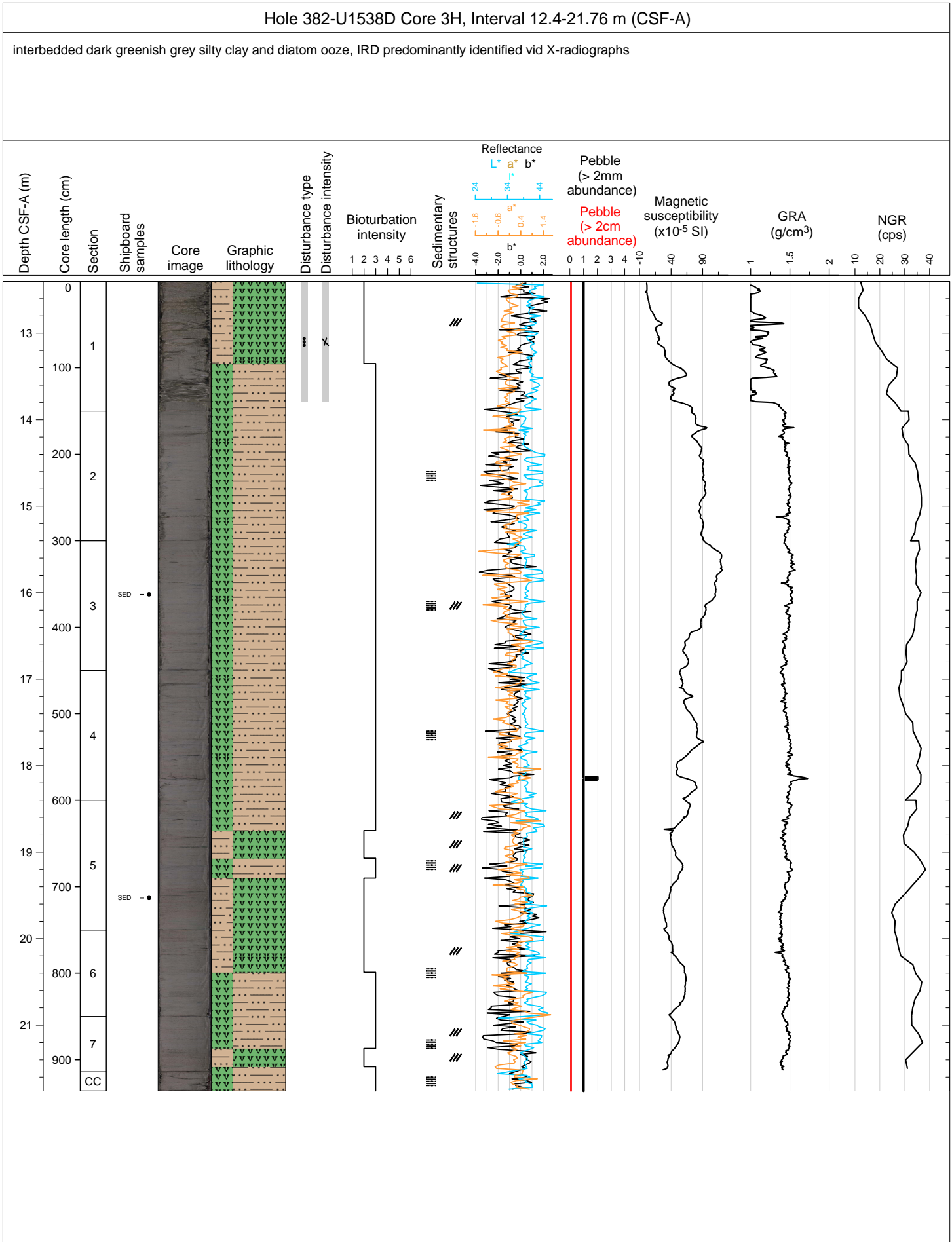
dark greenish grey silty clay bearing diatom ooze

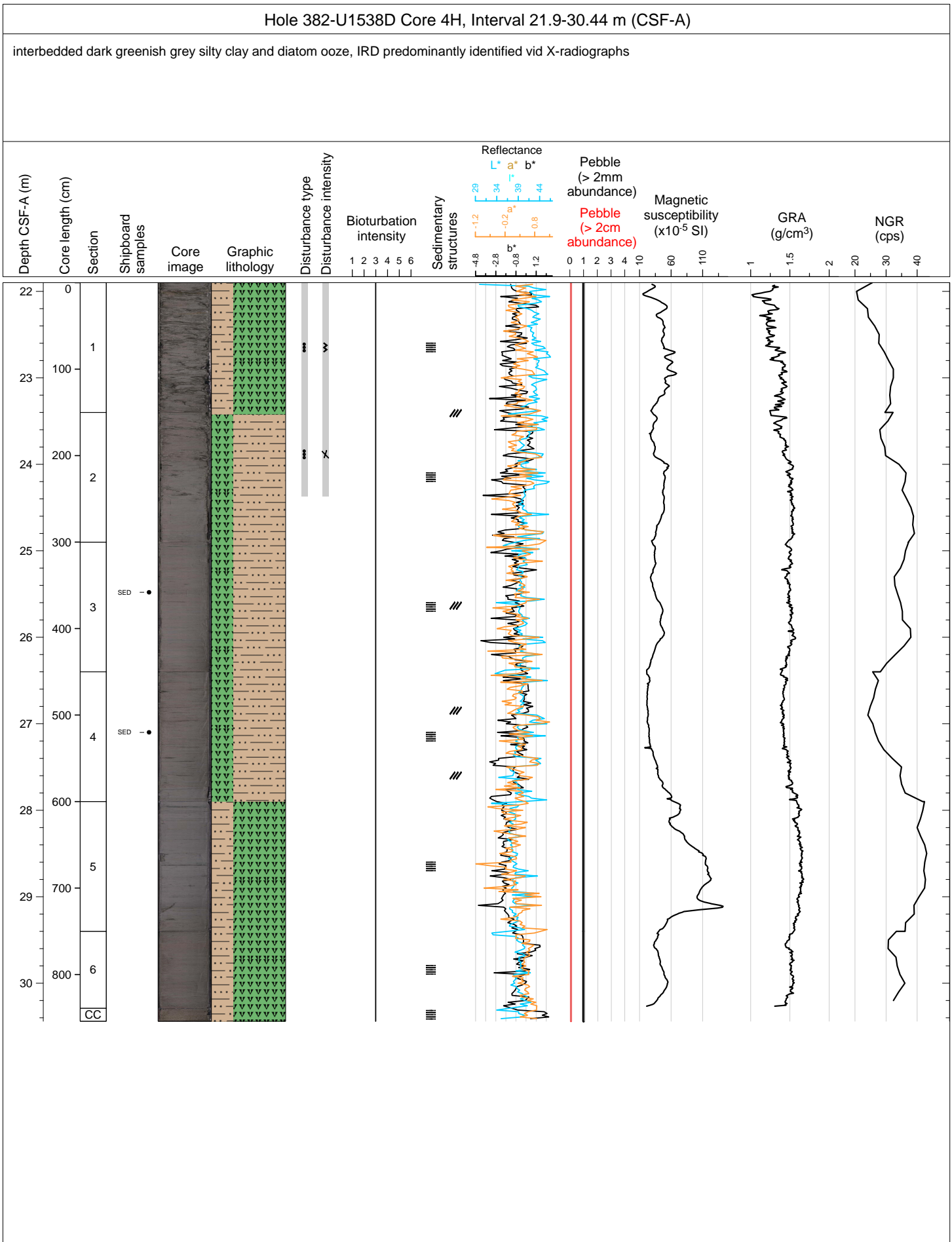


Hole 382-U1538D Core 2H, Interval 2.9-11.68 m (CSF-A)

dark greenish grey silty clay bearing diatom ooze, section 1A and 2A very soupy, 1A not SHMSL'D

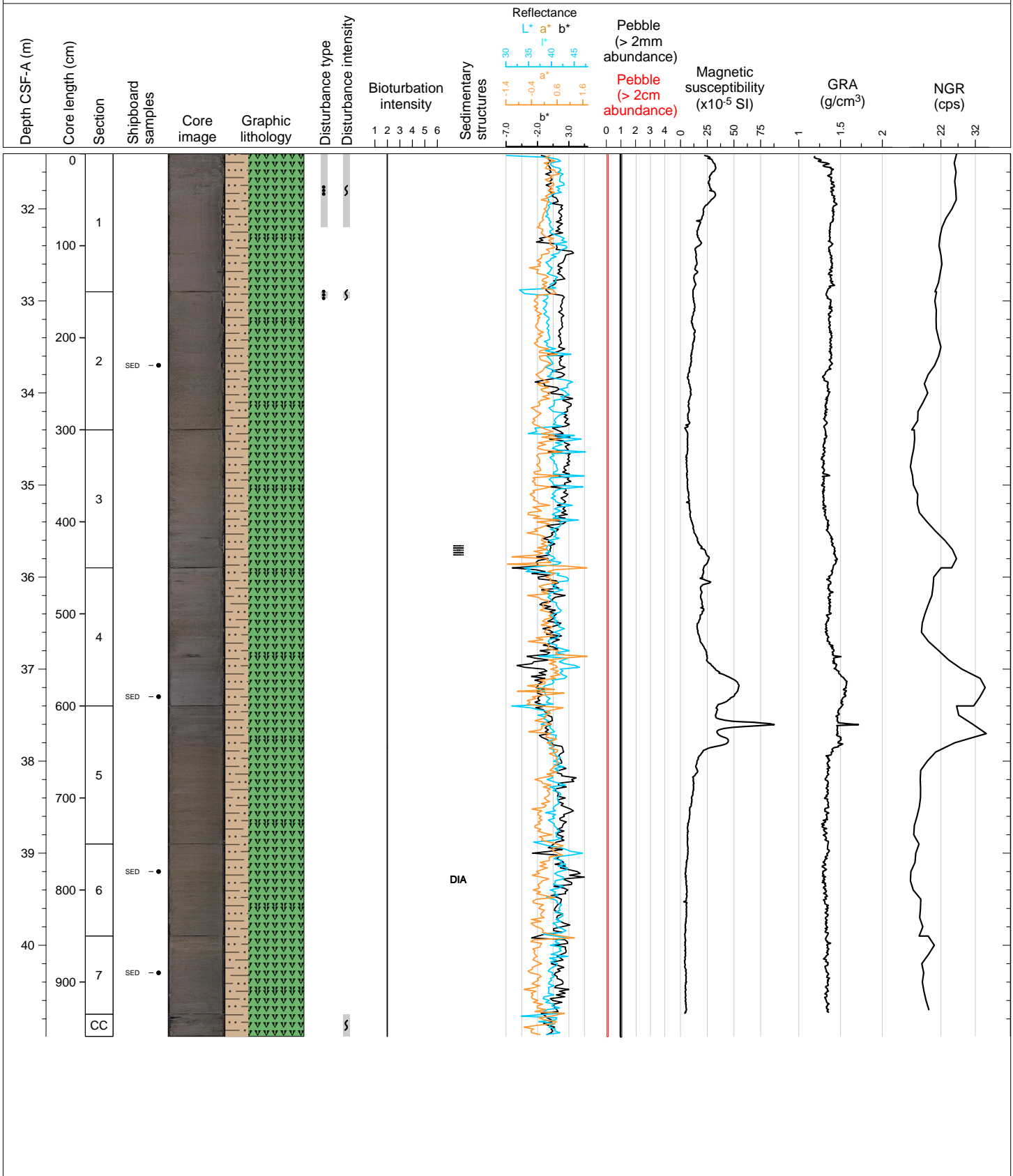


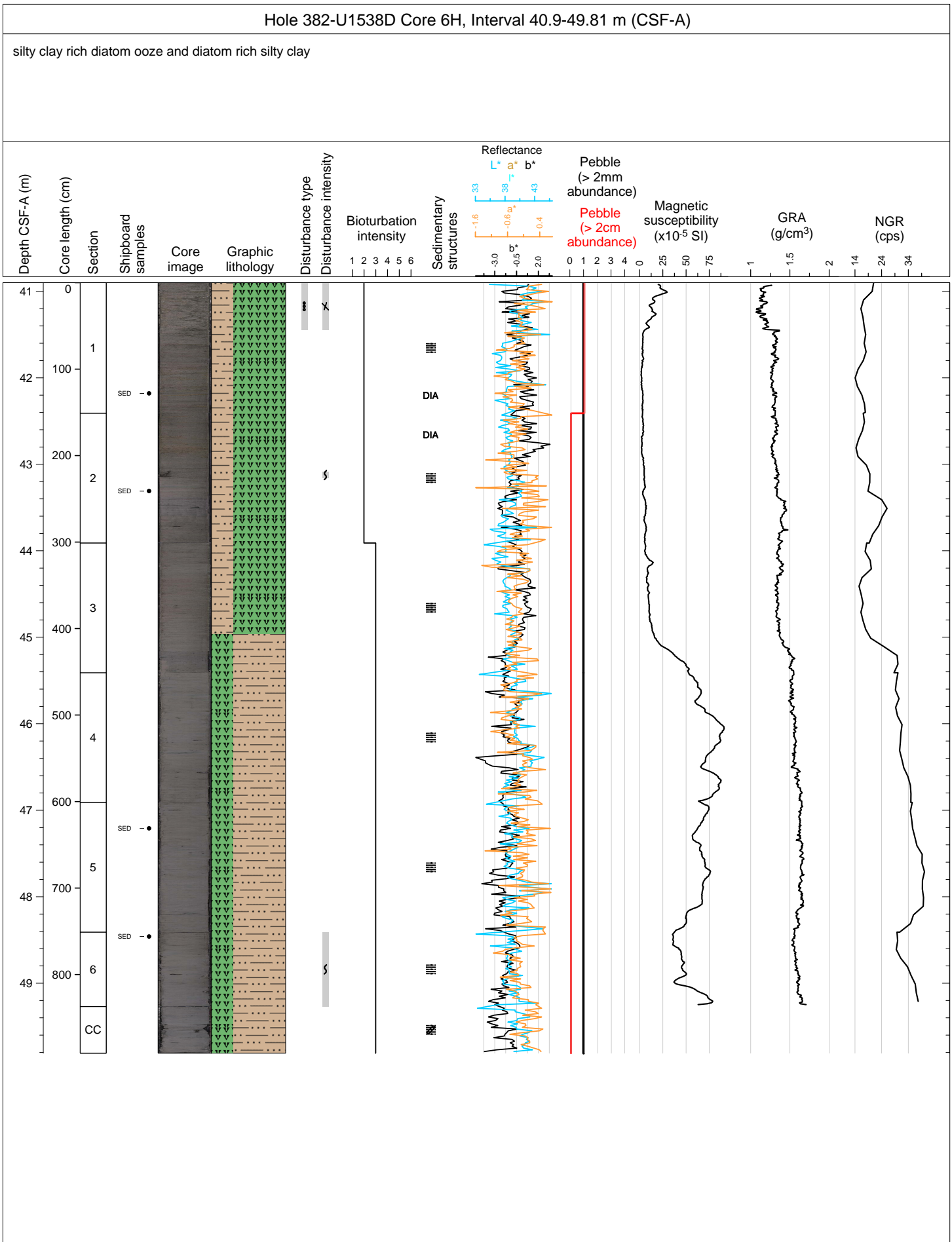




Hole 382-U1538D Core 5H, Interval 31.4-40.99 m (CSF-A)

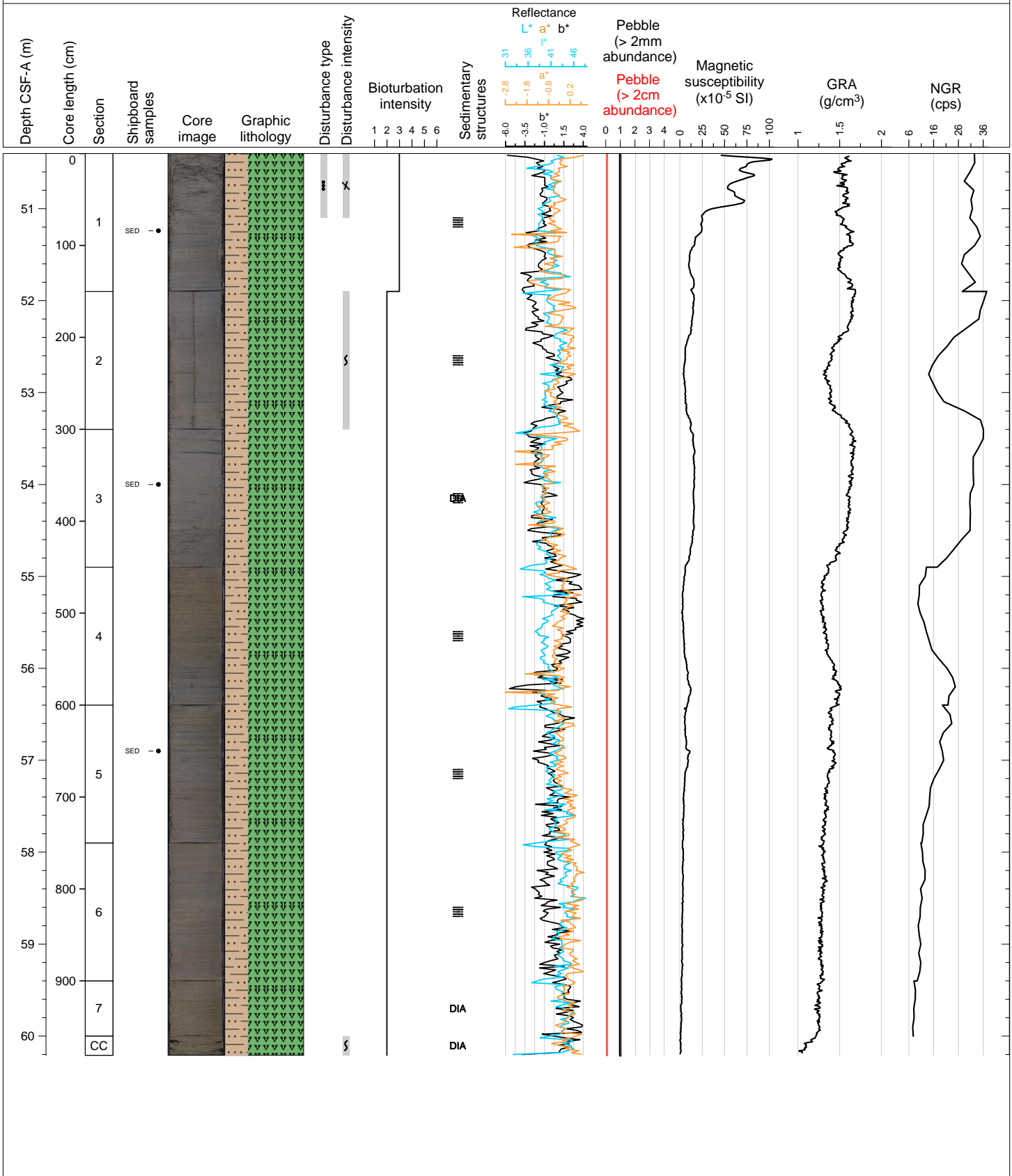
Greenish gray silty clay rich diatom ooze.





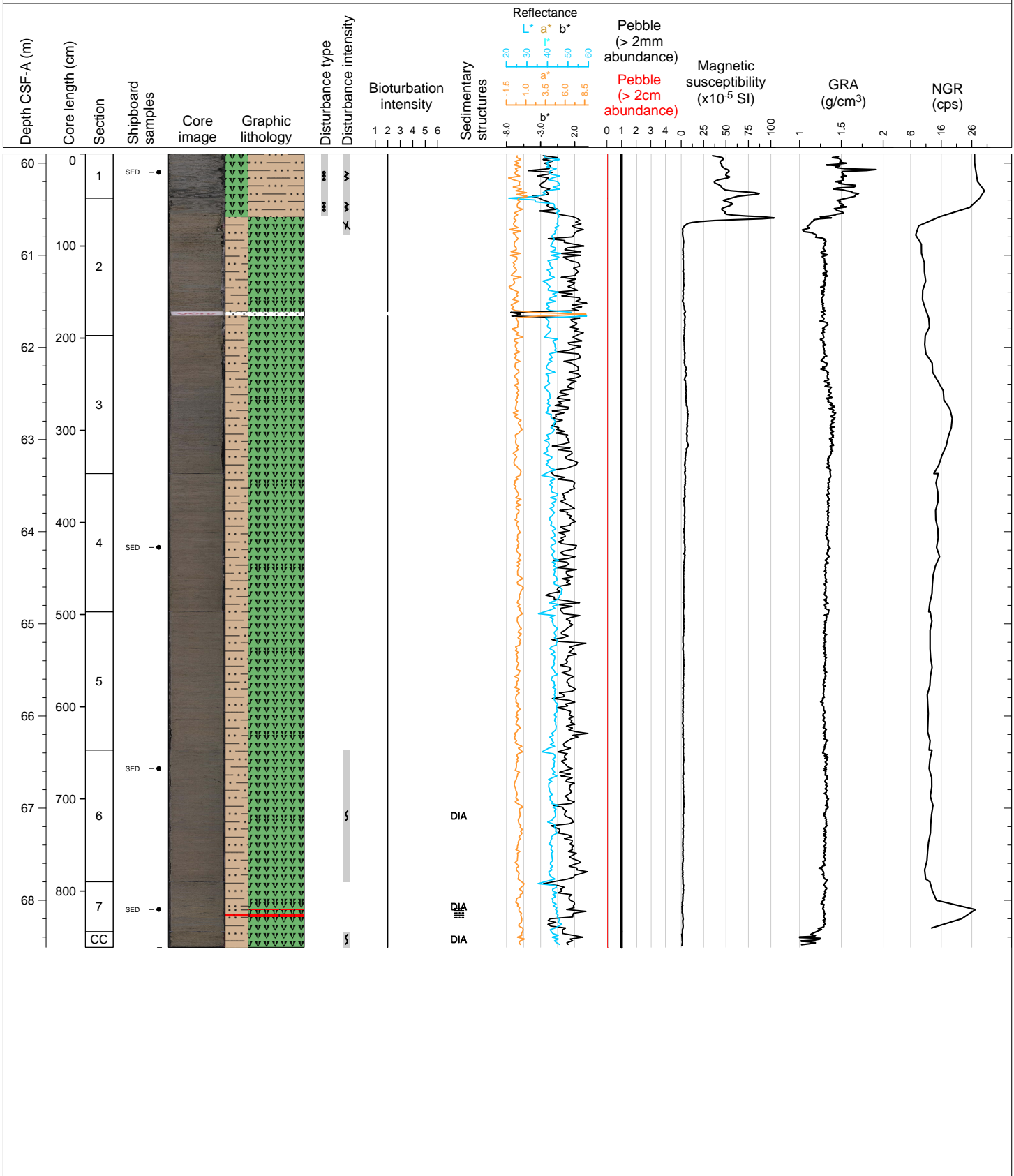
Hole 382-U1538D Core 7H, Interval 50.4-60.21 m (CSF-A)

greenish gray silty clay rich diatom ooze with color bandings.



Hole 382-U1538D Core 8H, Interval 59.9-68.51 m (CSF-A)

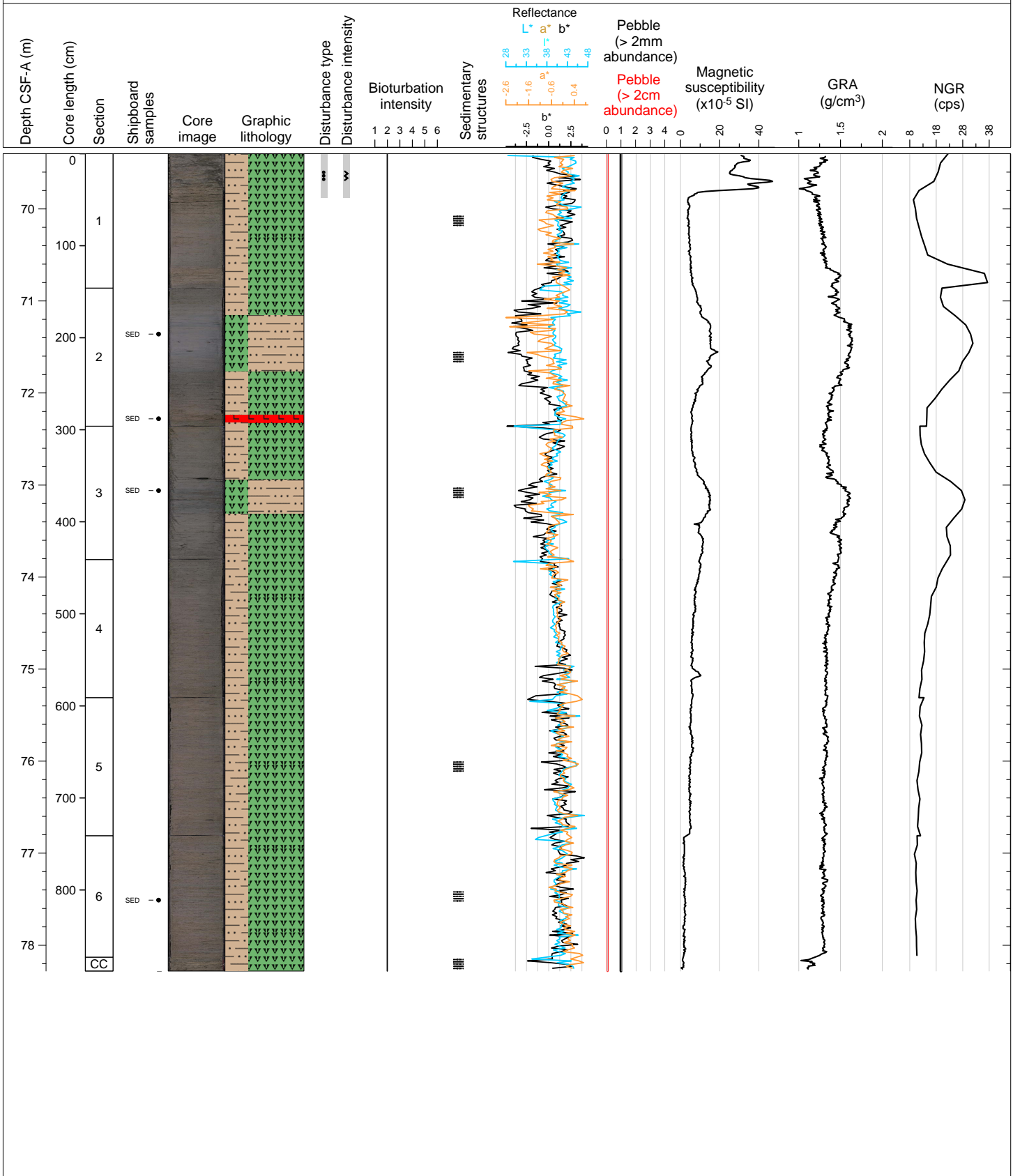
silty clay rich diatom ooze and diatom rich silty clay. carbonate rich layer are present in Section 7A.





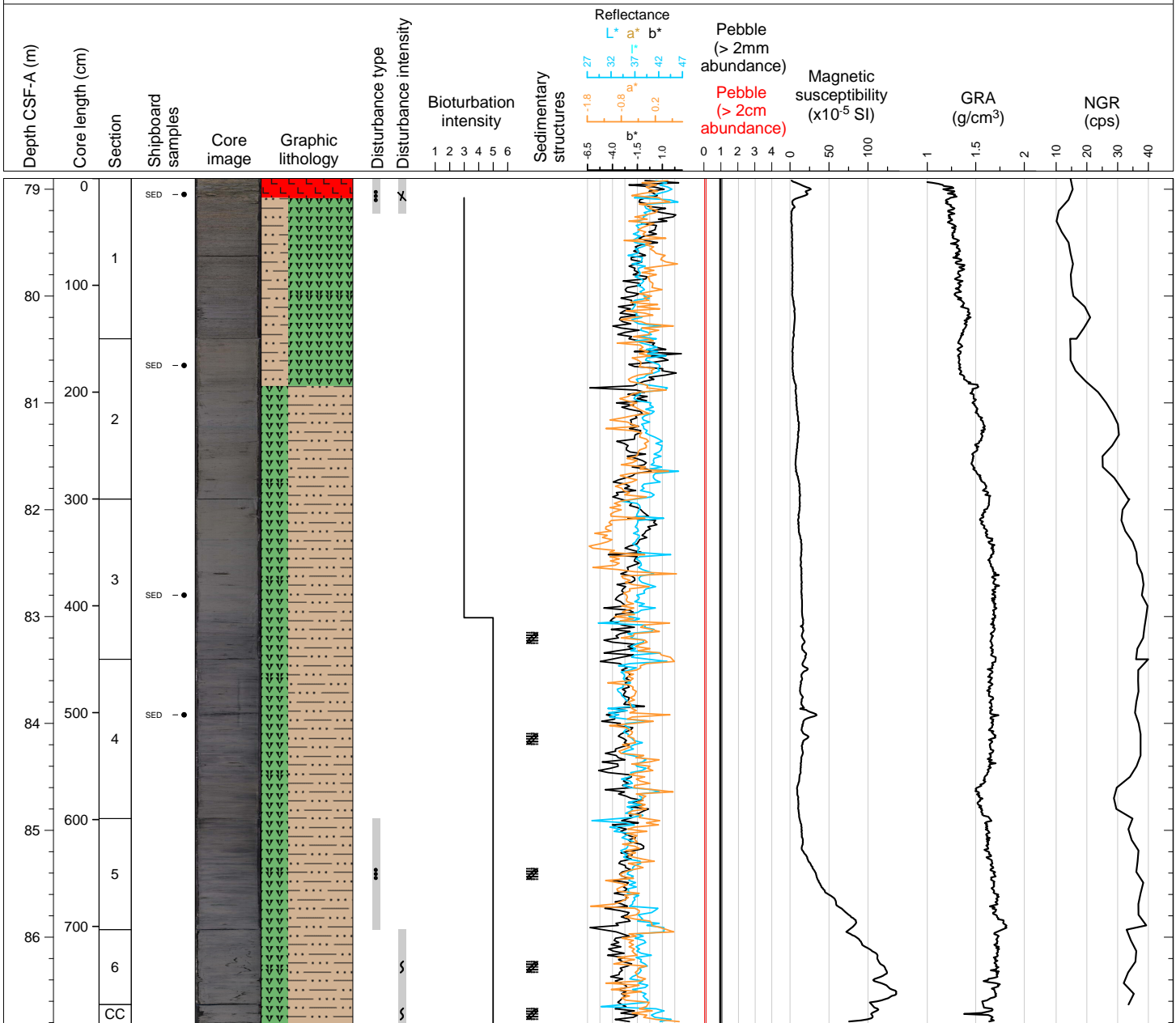
Hole 382-U1538D Core 9H, Interval 69.4-78.28 m (CSF-A)

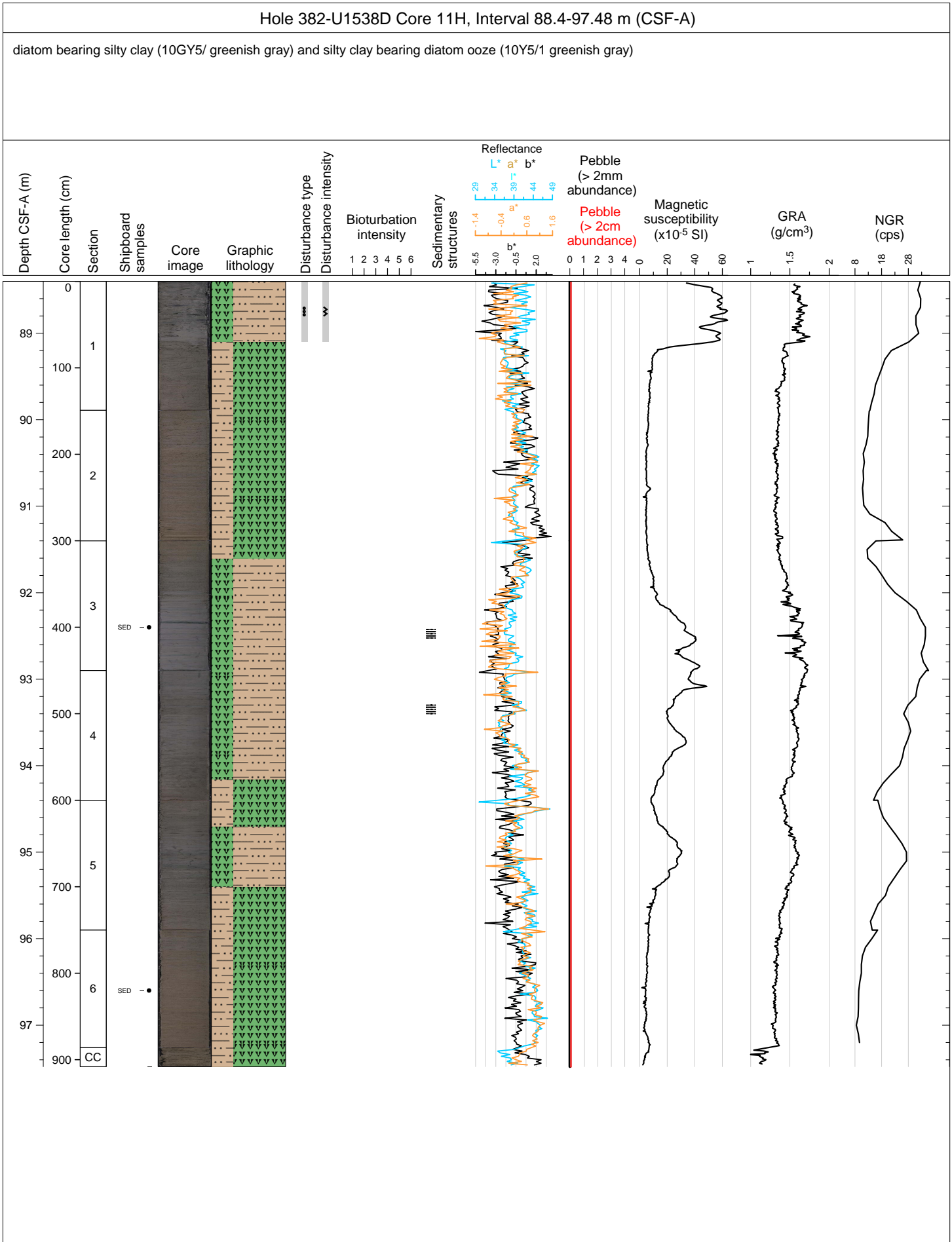
greenish gray silty clay rich diatom ooze and diatom rich silty clay. Tephra is present in Section 2A.



Hole 382-U1538D Core 10H, Interval 78.9-86.81 m (CSF-A)

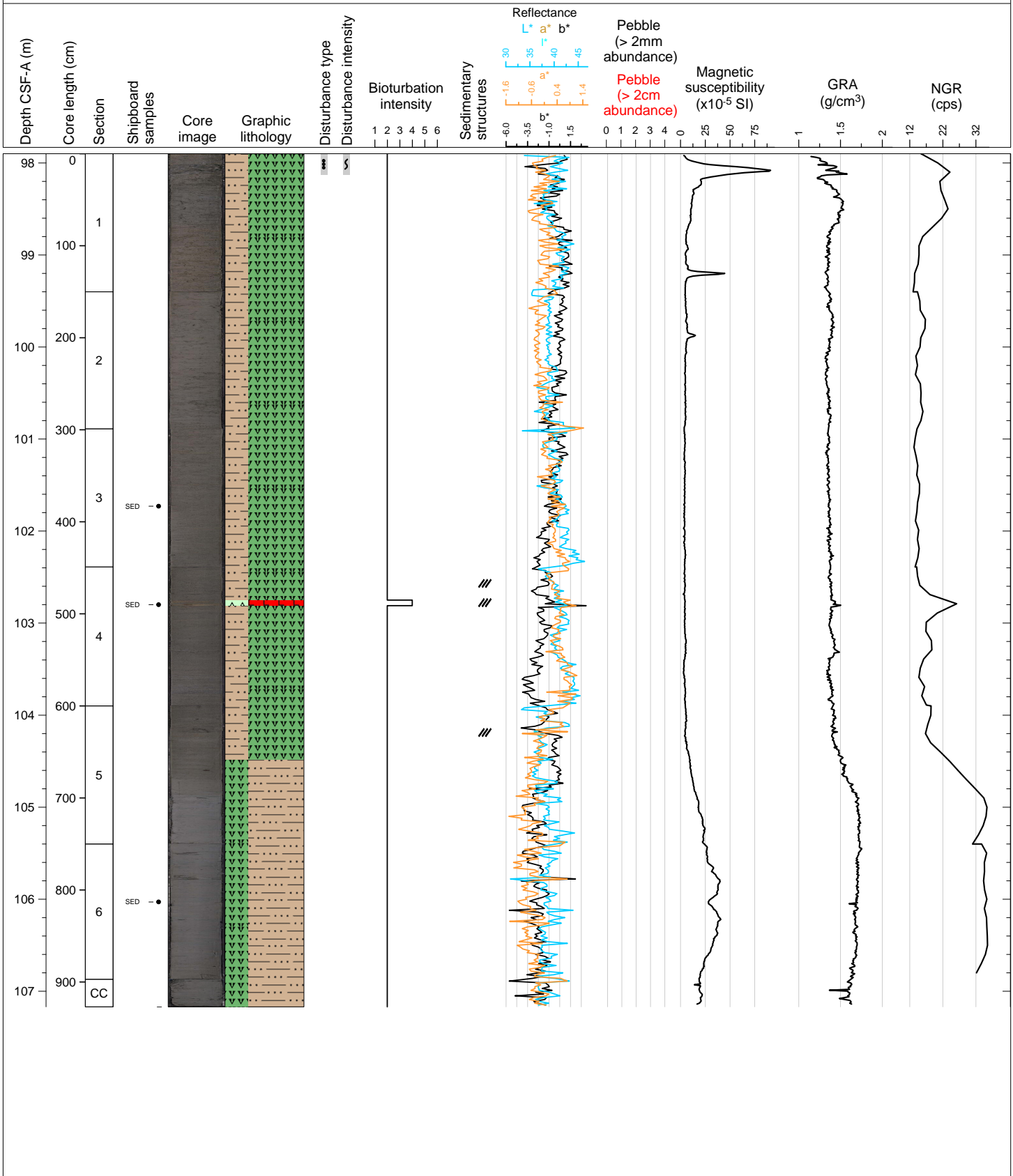
diatom rich silty clay and silty clay rich diatom ooze with very visible bioturbation.





Hole 382-U1538D Core 12H, Interval 97.9-107.17 m (CSF-A)

interbedded dark greenish grey silty clay bearing diatom ooze and biosilica bearing silty clay, carbonate layer in 4A 36-42 cm



Hole 382-U1538D Core 13H, Interval 107.4-111.69 m (CSF-A)

interbedded dark greenish grey silty clay bearing diatom ooze and biosilica bearing silty clay

