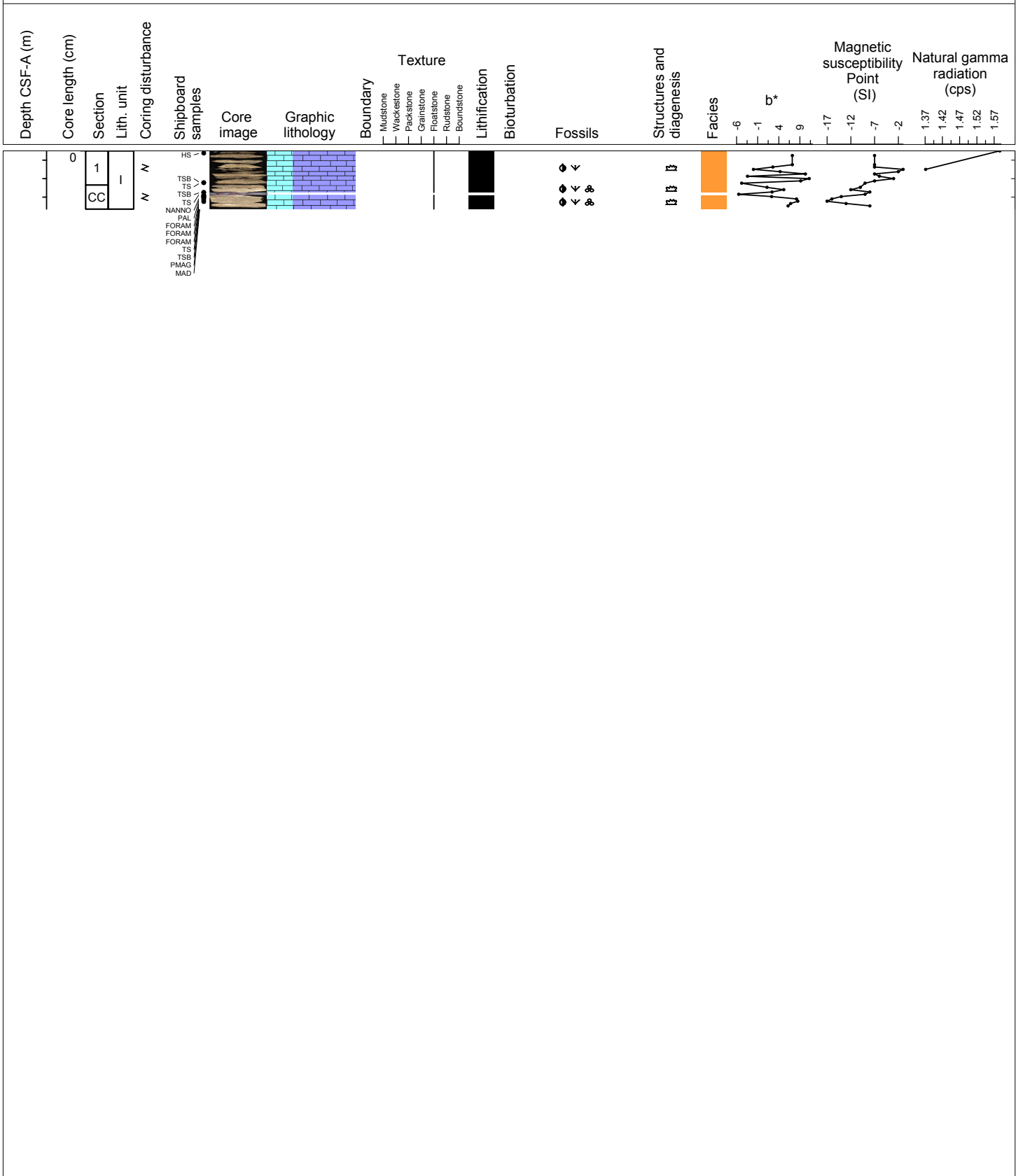


Hole 356-U1459A Core 2X, Interval 0.1-0.73 m (CSF-A)

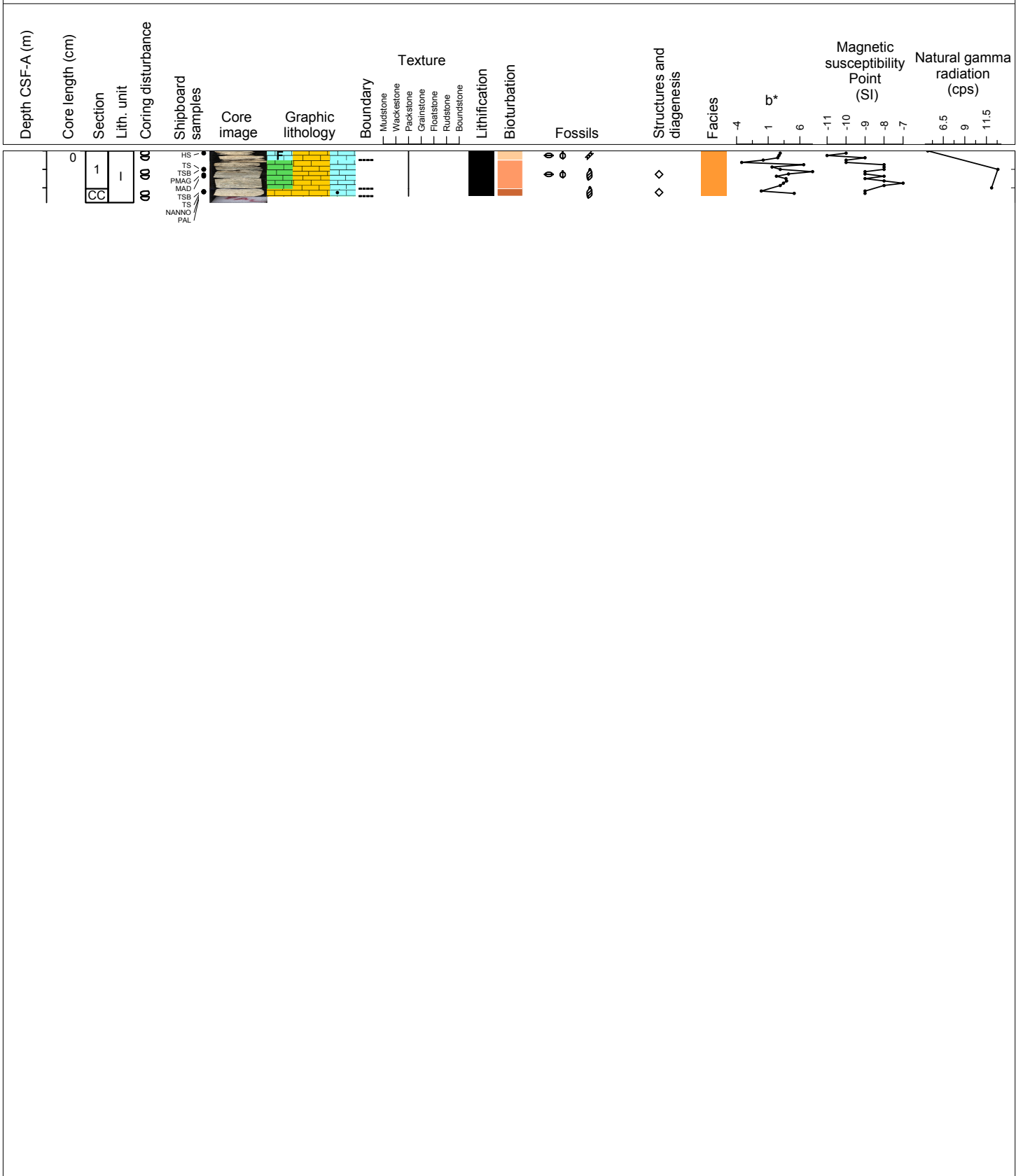
Lithified, beige, skeletal FLOATSTONE. Major bioclastic components include bryozoans, larger and smaller benthic as well as planktic foraminifers. Beige, micritic structures interpreted as microbialites. Neritic.



NO RECOVERY															Hole 356-U1459A Core 3X, Interval 9.7-9.7 m (CSF-A)														
Depth CSF-A (m)	Core length (cm)	Section	Lith. unit	Coring disturbance	Shipboard samples	Core image	Graphic lithology	Boundary	Mudstone	Wackestone	Packstone	Grainstone	Floatstone	Rudstone	Boundstone	Lithification	Bioturbation	Fossils	Structures and diagenesis	Facies	b*	Magnetic susceptibility Point (SI)	Natural gamma radiation (cps)						
33																													
34																													

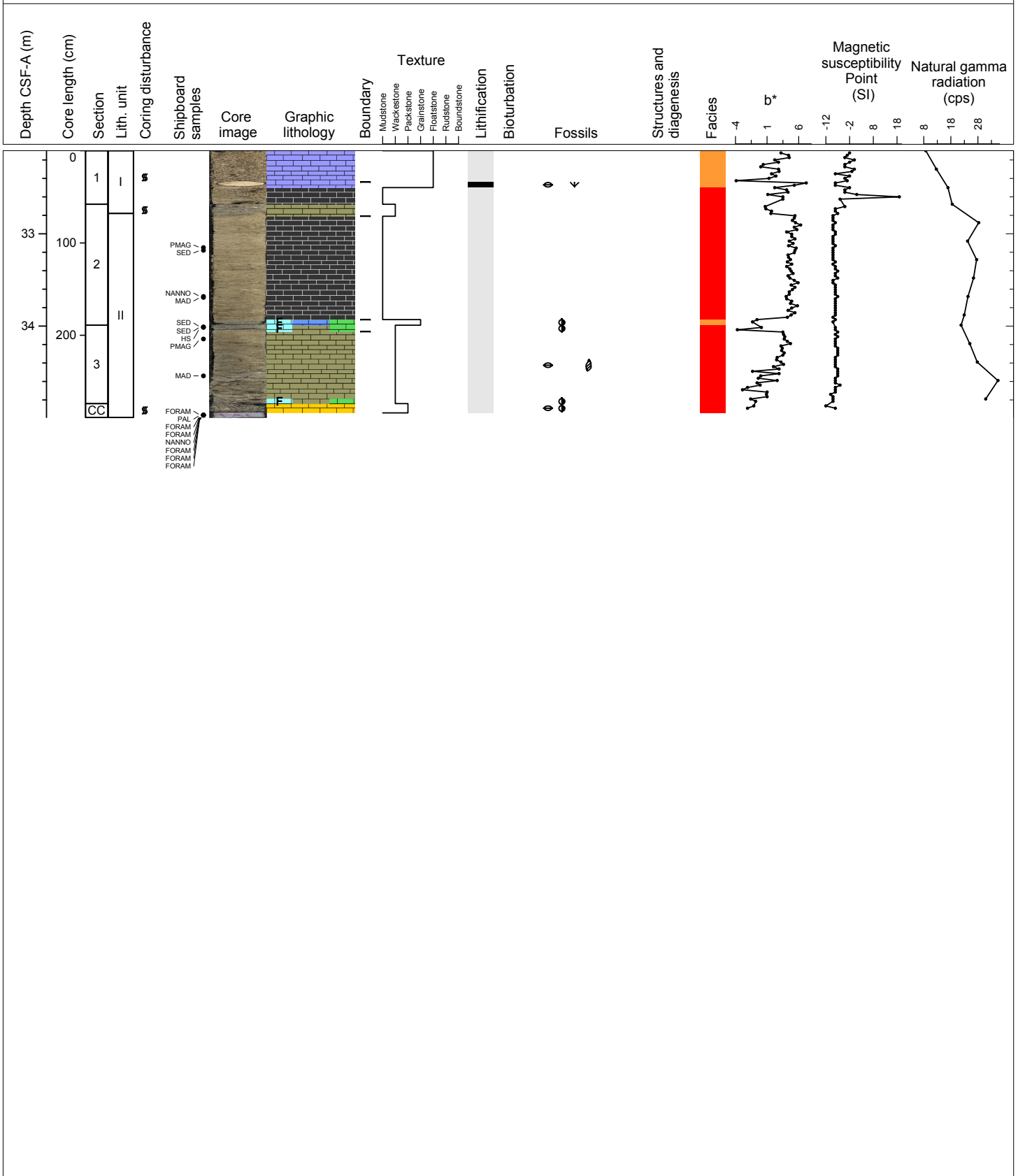
Hole 356-U1459A Core 4X, Interval 13.4-13.96 m (CSF-A)

Lithified, beige to greenish-gray, skeletal PACKSTONE. Greenish-gray colors indicate a higher glauconite content. Major bioclastic components include larger benthic foraminifers, bivalves and gastropods. Coralline algae form a minor bioclastic component. Intraclasts are a common component in the glauconite-rich interval. Except for the uppermost 10 cm of the core, bioerosive cavities are common and are often associated with intraclasts or in-filled with micrite. The biscuits are more common towards the upper 10 cm. Neritic.



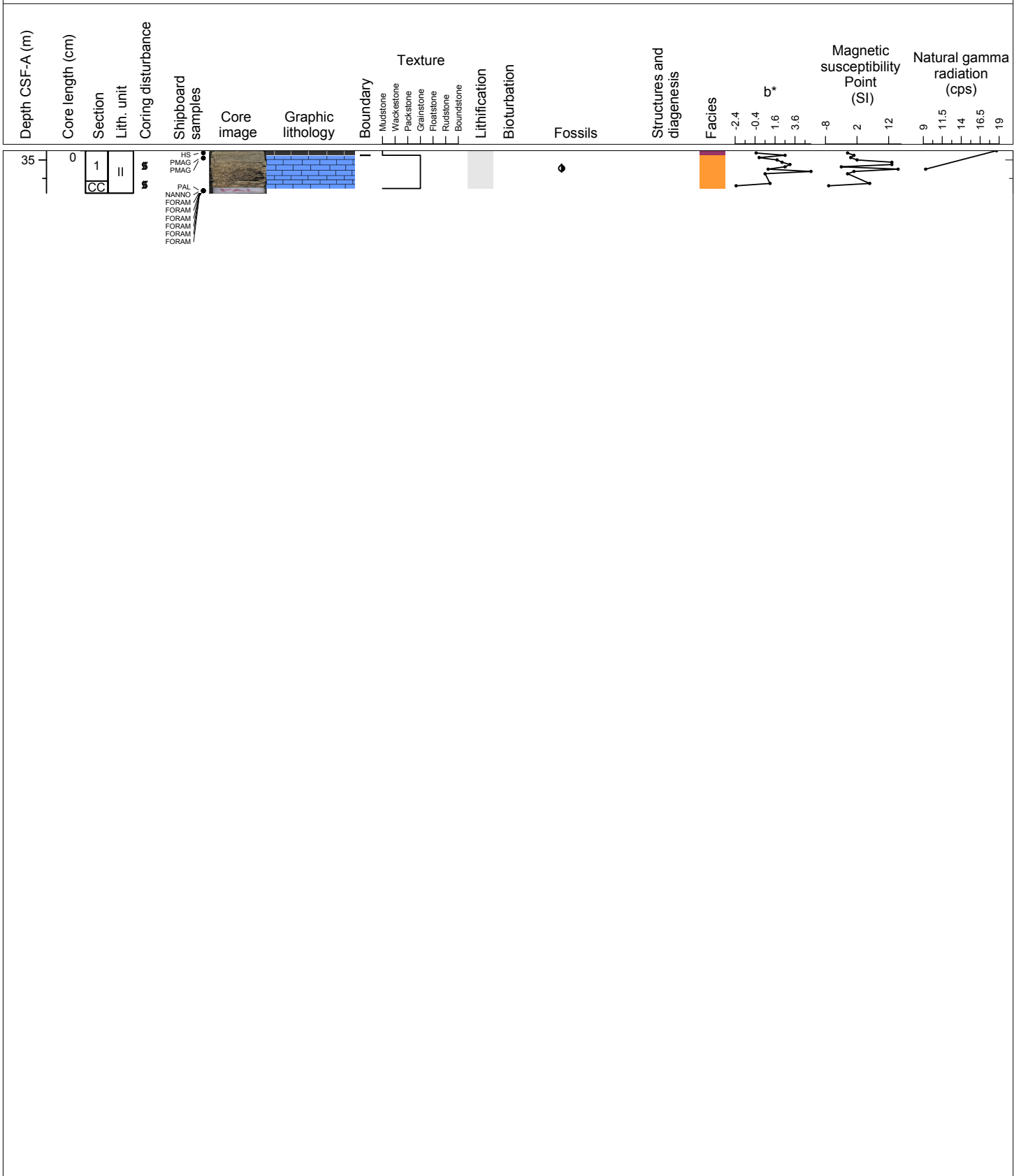
Hole 356-U1459A Core 6F, Interval 32.1-34.99 m (CSF-A)

Primarily unlithified, beige to light greenish-gray, skeletal MUDSTONE. The core is dominated by mud- to wackestone with interlayers of grainstone. The greenish-gray layers are characterized by a higher content of glauconite and small benthic foraminifers. Minor bioclastic components include bivalves, gastropods and bryozoans. Neritic to hemipelagic. Core is partly disturbed.



Hole 356-U1459A Core 7F, Interval 34.9-35.36 m (CSF-A)

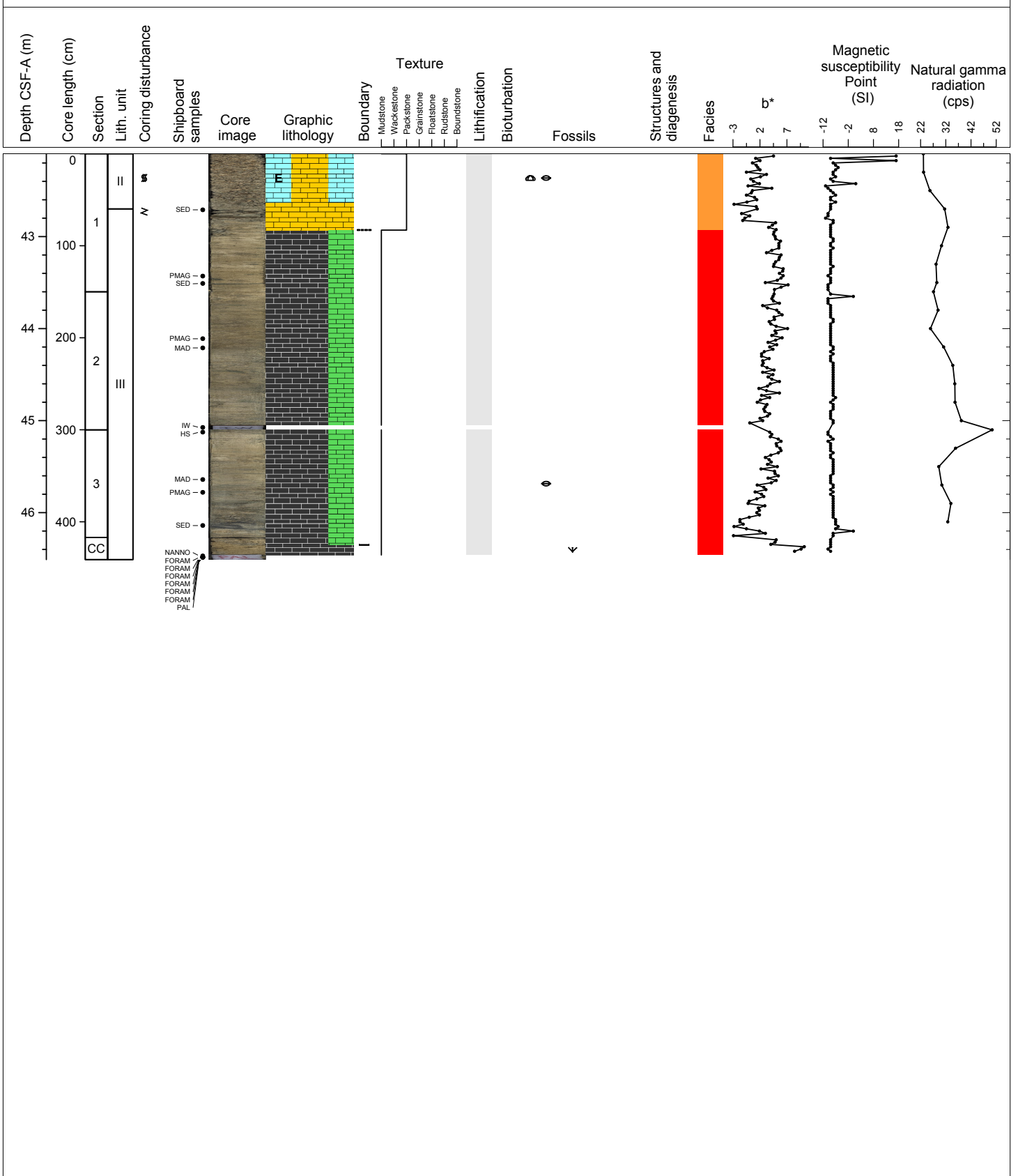
Unlithified, light to creamy-gray, GRAINSTONE. The upper 5 cm of the core consist of mudstone, whereas the remaining core material is grainstone. Mainly neritic. The interpretation of sedimentary structures is hampered by drilling disturbance.



NO RECOVERY		Hole 356-U1459A Core 8X, Interval 39.6-39.6 m (CSF-A)																					
Depth CSF-A (m)	Core length (cm)	Section	Lith. unit	Coring disturbance	Shipboard samples	Core image	Graphic lithology	Boundary	Mudstone	Wackestone	Packstone	Grainstone	Floatstone	Rudstone	Boundstone	Lithification	Bioturbation	Fossils	Structures and diagenesis	Facies	b*	Magnetic susceptibility Point (SI)	Natural gamma radiation (cps)
33																							
34																							

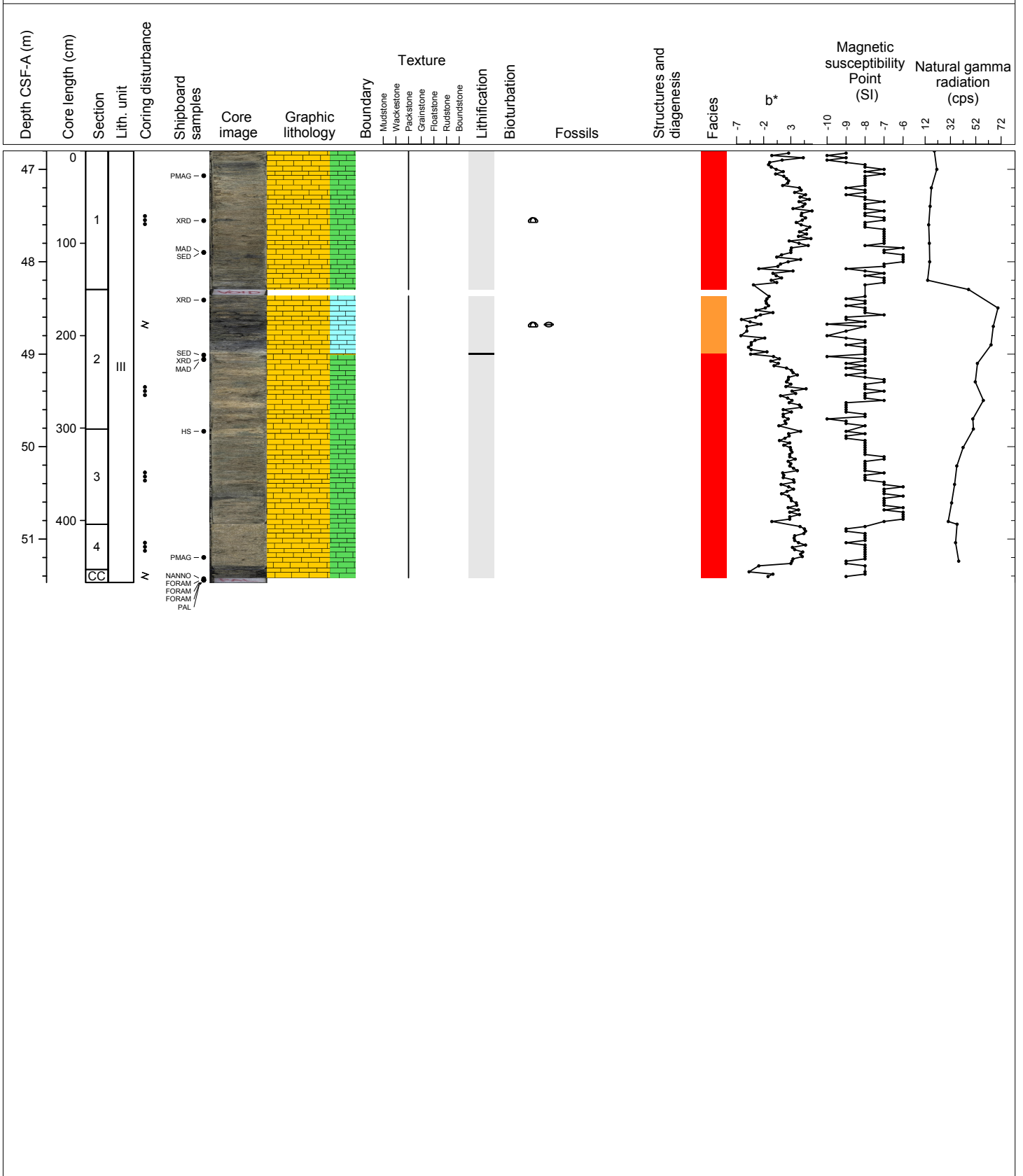
Hole 356-U1459A Core 9F, Interval 42.1-46.51 m (CSF-A)

Unlithified, creamy to dark gray, skeletal PACKSTONE and MUDSTONE. Echinoderms and bivalves are the dominant bioclasts in the packstone. Glauconite is common in mudstones. Bryozoans occur as bioclasts within the mudstone. Partly disturbed. Neritic to hemipelagic.



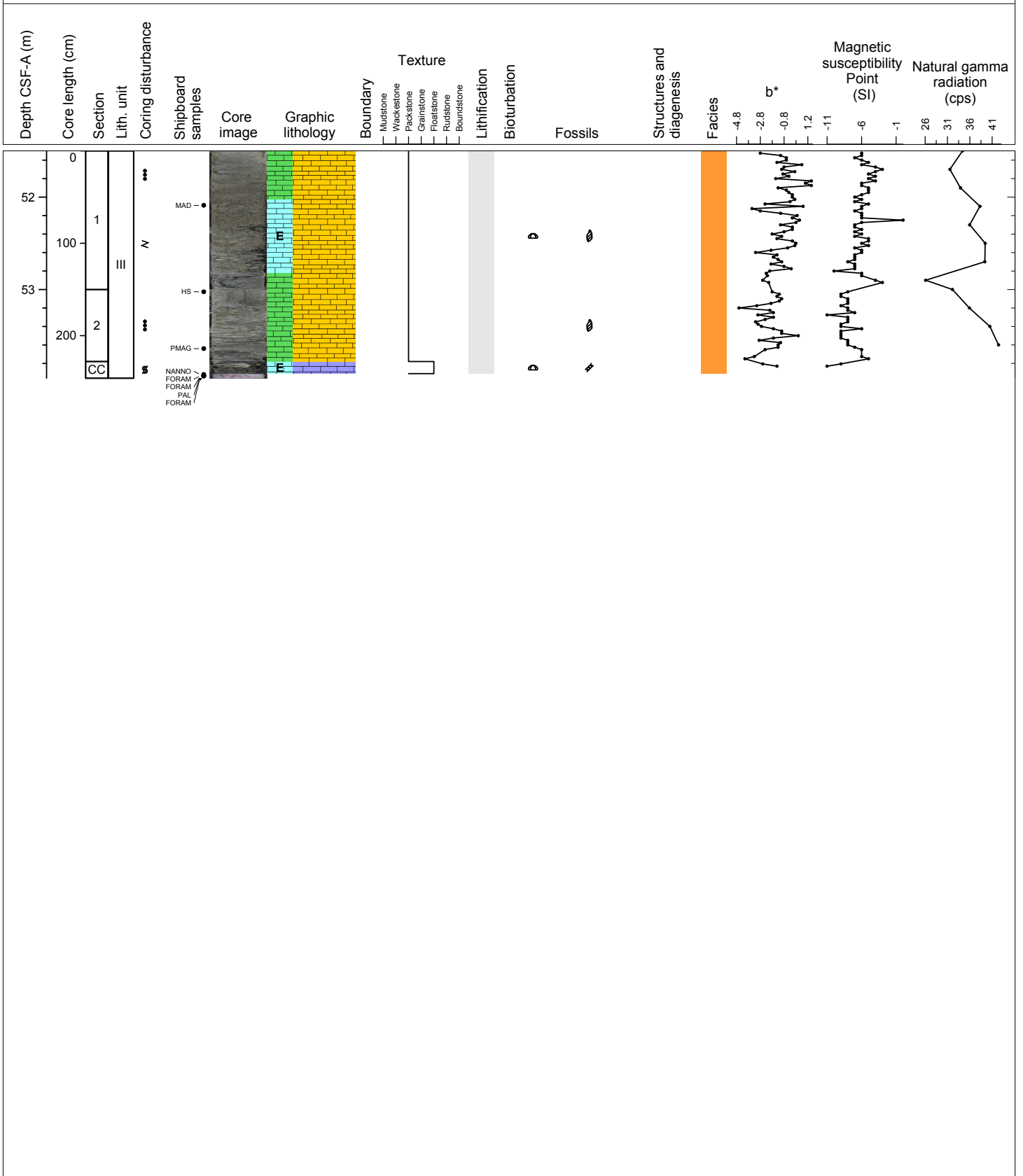
Hole 356-U1459A Core 10F, Interval 46.8-51.47 m (CSF-A)

Primarily un lithified, creamy to dark gray, PACKSTONE. Echinoderms and bivalves are the dominant bioclasts in the packstone. Glauconite is common, especially in the lower part of the core. Soupy and fragmented by core disturbance. Mainly hemipelagic, with a part being neritic.



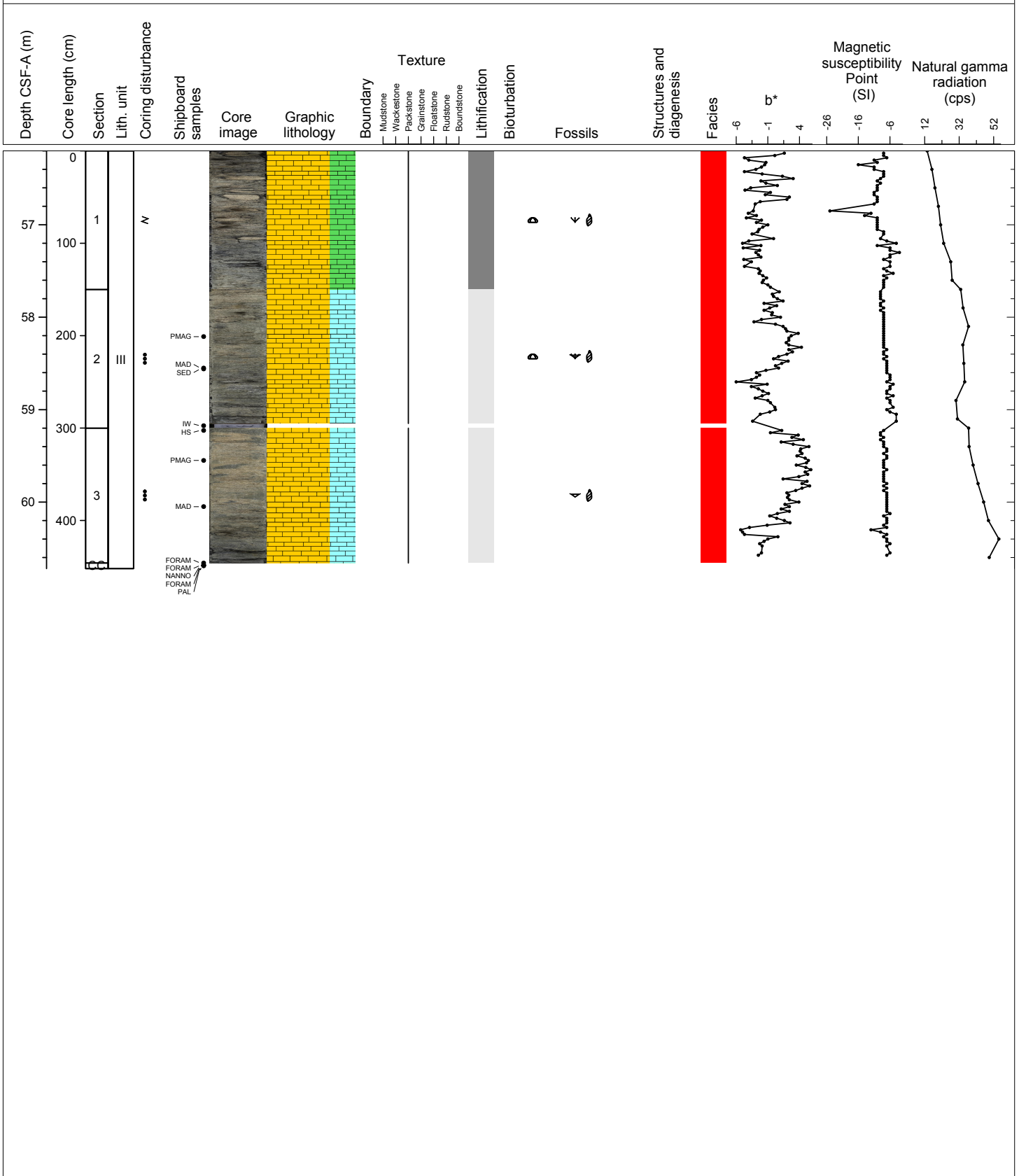
Hole 356-U1459A Core 11F, Interval 51.5-53.96 m (CSF-A)

Unlithified, creamy gray, PACKSTONE. Some parts of the core are partially lithification. Echinoderms are the dominant bioclasts in both lithologies. Glauconite is common, especially in the lower part of the core. There are intervals that are moderately brecciated. Overall, the core section is quite soupy. Neritic.



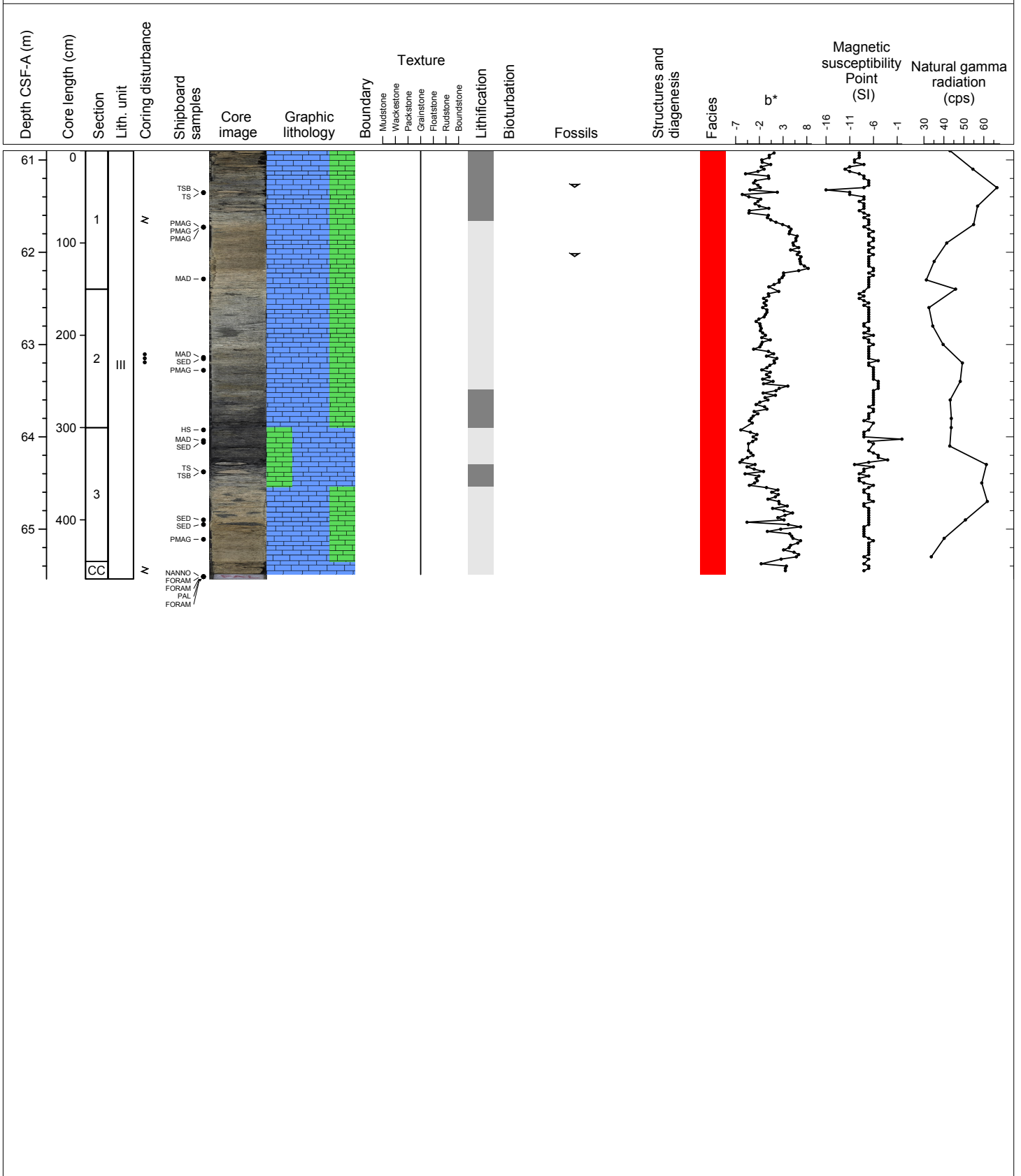
Hole 356-U1459A Core 12F, Interval 56.2-60.72 m (CSF-A)

Unlithified to partially lithified, creamy gray, PACKSTONE. Echinoderms, bryozoans and gastropods are the dominant bioclasts. Brachiopods form a minor bioclastic component. Glauconite is common. A cm-sized brownish clast occurs 1.83 m below the top of the core and was tentatively interpreted as a wood or bone fragment. Soupy and fragmented by core disturbance. Hemipelagic.



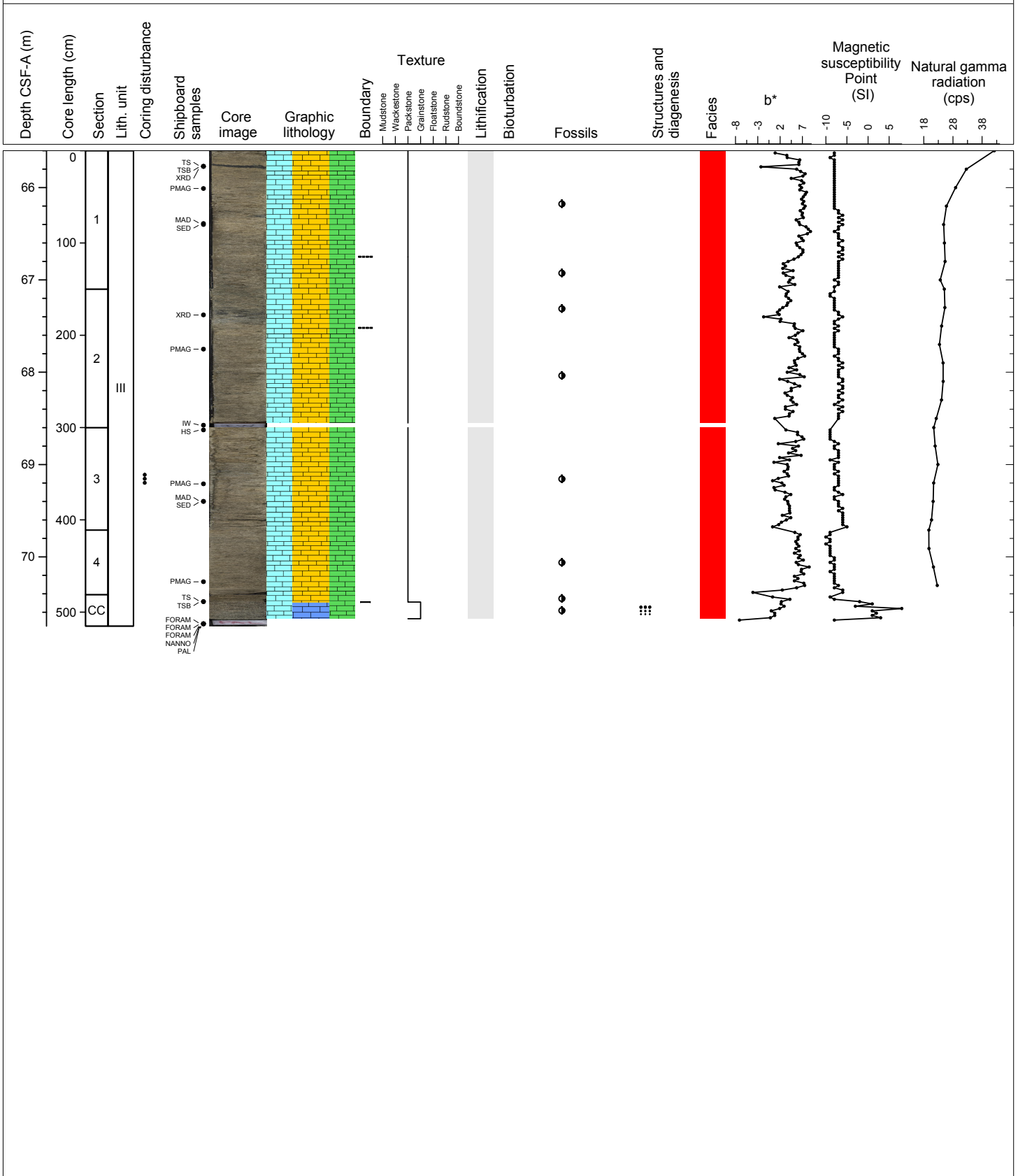
Hole 356-U1459A Core 13F, Interval 60.9-65.54 m (CSF-A)

Unlithified, beige and creamy gray, skeletal GRAINSTONE with glauconite. Most dominant bioclastic components include benthic foraminifers. Texture and structure are massive, except for the lower-most part of the core where there is reverse-grading. Soupy and fragmented by core disturbance. Hemipelagic.

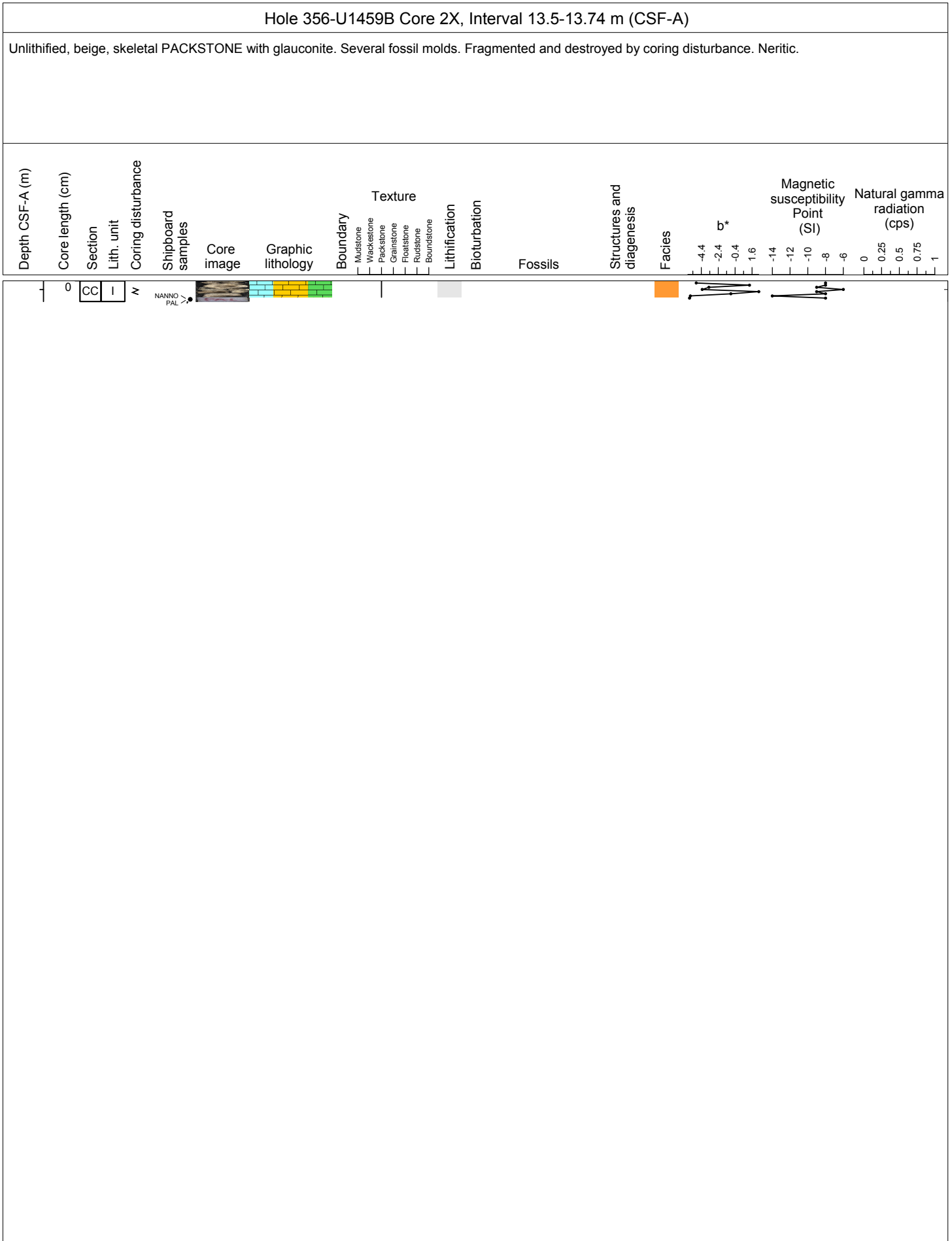


Hole 356-U1459A Core 14F, Interval 65.6-70.75 m (CSF-A)

Unlithified, beige to creamy gray, skeletal PACKSTONE with glauconite. Bioclasts are dominated by small benthic foraminifers. Reverse grading visible within the core catcher. Soupy by core disturbance. Hemipelagic.

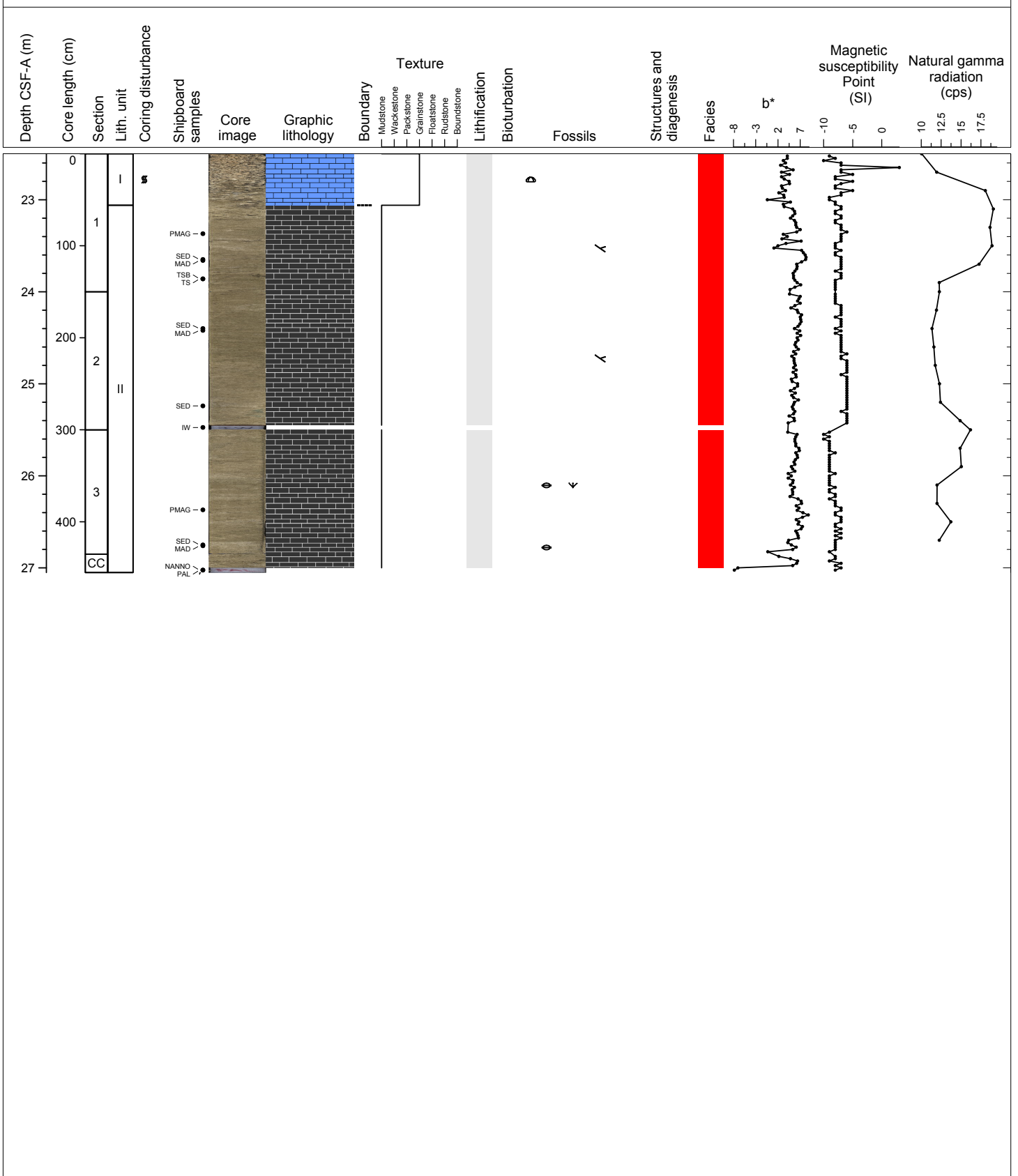


DRILLED INTERVAL		Hole 356-U1459B Core 11, Interval 0.0-0.0 m (CSF-A)																					
Depth CSF-A (m)	Core length (cm)	Section	Lith. unit	Coring disturbance	Shipboard samples	Core image	Graphic lithology	Boundary	Mudstone	Wackestone	Packstone	Grainstone	Floatstone	Rudstone	Boundstone	Lithification	Bioturbation	Fossils	Structures and diagenesis	Facies	b*	Magnetic susceptibility Point (SI)	Natural gamma radiation (cps)
40																							
41																							
42																							
43																							
44																							



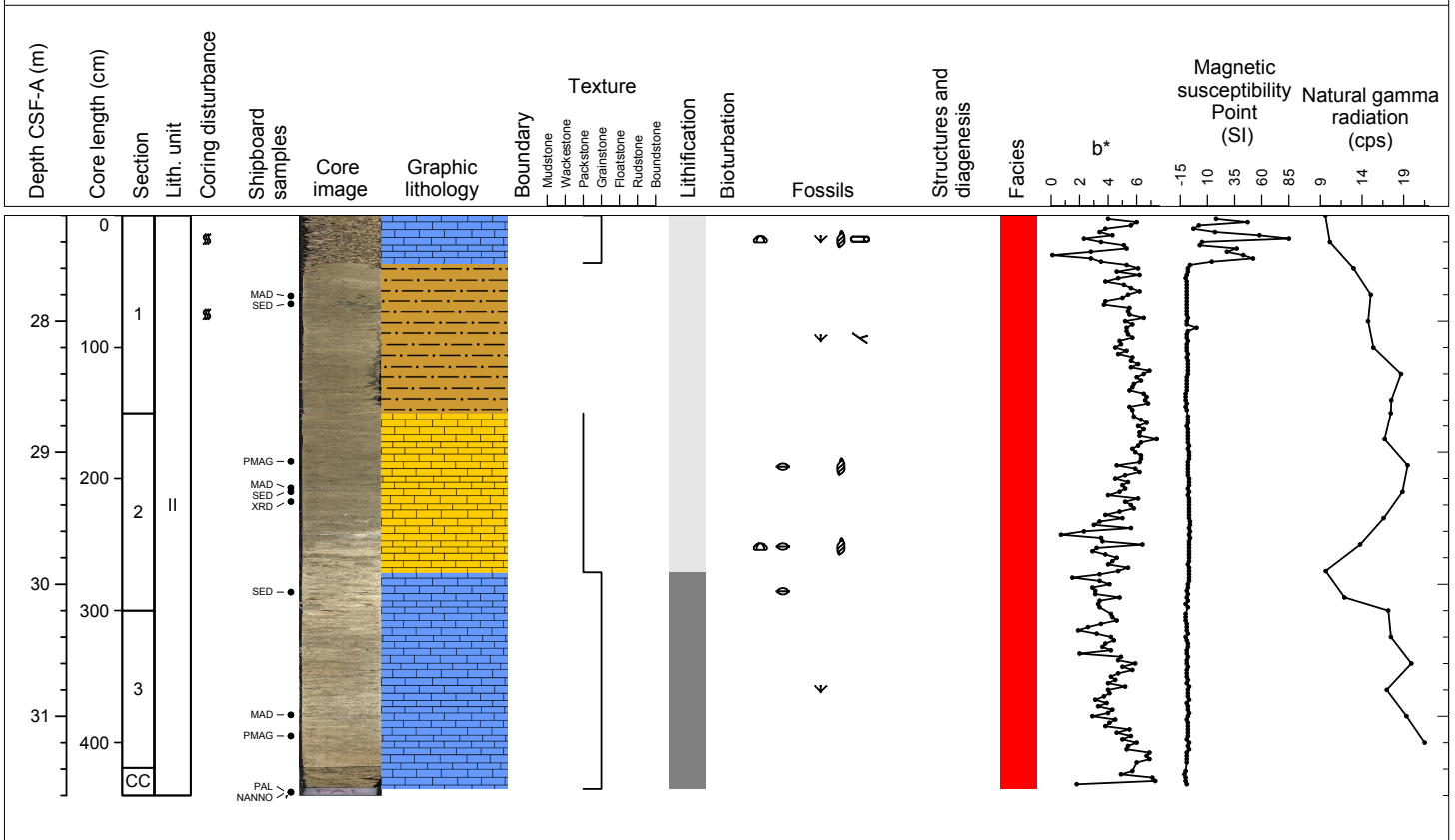
Hole 356-U1459B Core 3F, Interval 22.5-27.05 m (CSF-A)

Primarily un lithified, beige to cream, MUDSTONE with almost no visible macrofossils. Sponge spicules are present in Section 2 as noted from smear slide observations. The upper 56 cm are grainstone with a few echinoderms (could be caved in due to coring). Moderate disturbance by coring. Hemipelagic.



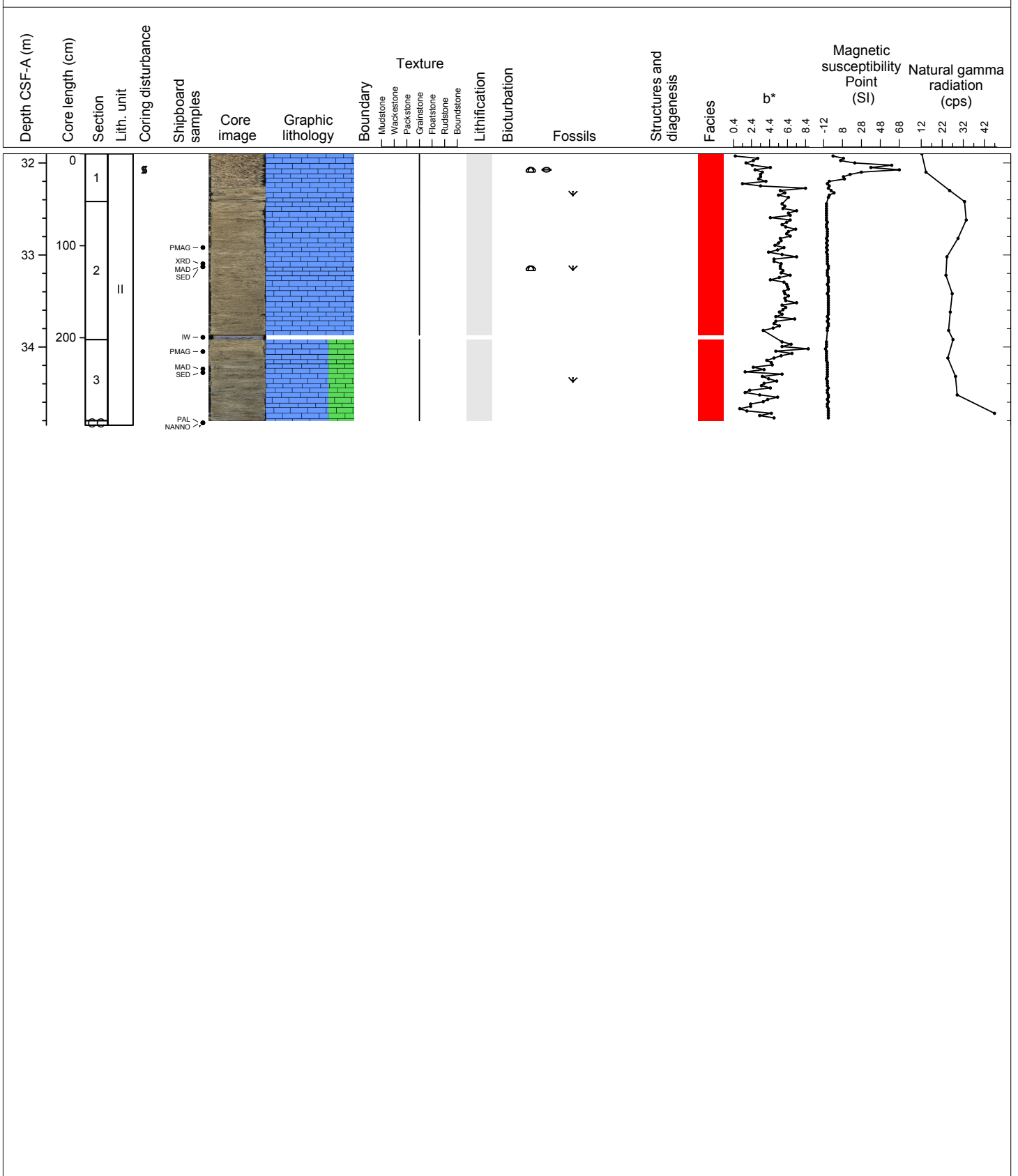
Hole 356-U1459B Core 4F, Interval 27.2-31.6 m (CSF-A)

From top to bottom: PACKSTONE to vey fine grained GRAINSTONE. Unlithified to partially lithified, Beige to cream. Rare macrofossils: sponge spicules (Sections 1 and 2 only), bivalves, bryozoans, and echinoderms. Rare cm-scale patches of glauconite, mainly towards the base of the core. The transition zone between the two lithologies occurs between 82-120 cm in Section 2. No major core disturbance except moderate disturbance of the upper part. Hemipelagic.



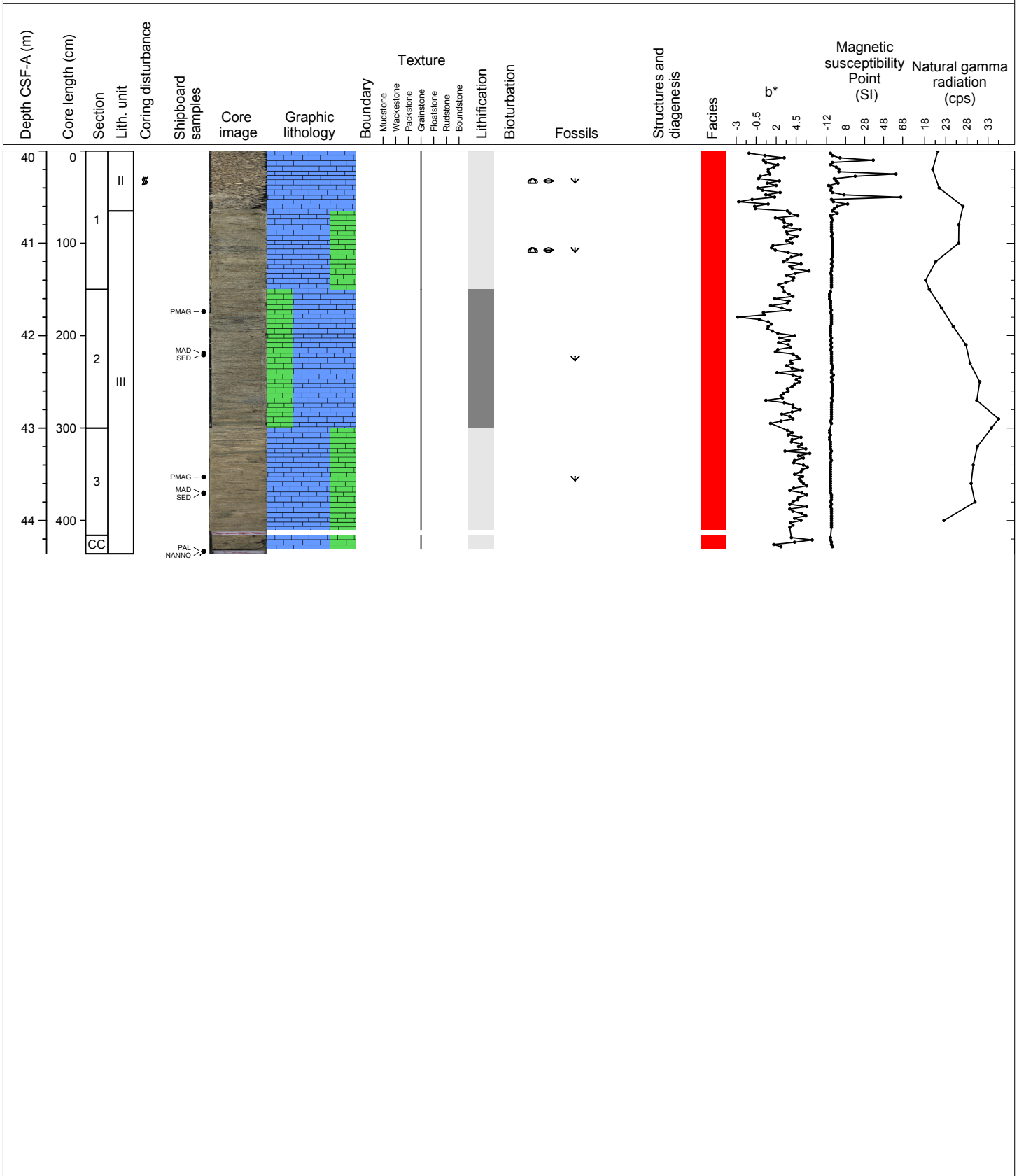
Hole 356-U1459B Core 5F, Interval 31.9-34.85 m (CSF-A)

Unlithified, very fine grained, beige to creamy gray, GRAINSTONE with abundant glauconite towards the base of the core. No major core disturbance except moderate disturbance of the upper part of the core. Hemipelagic.



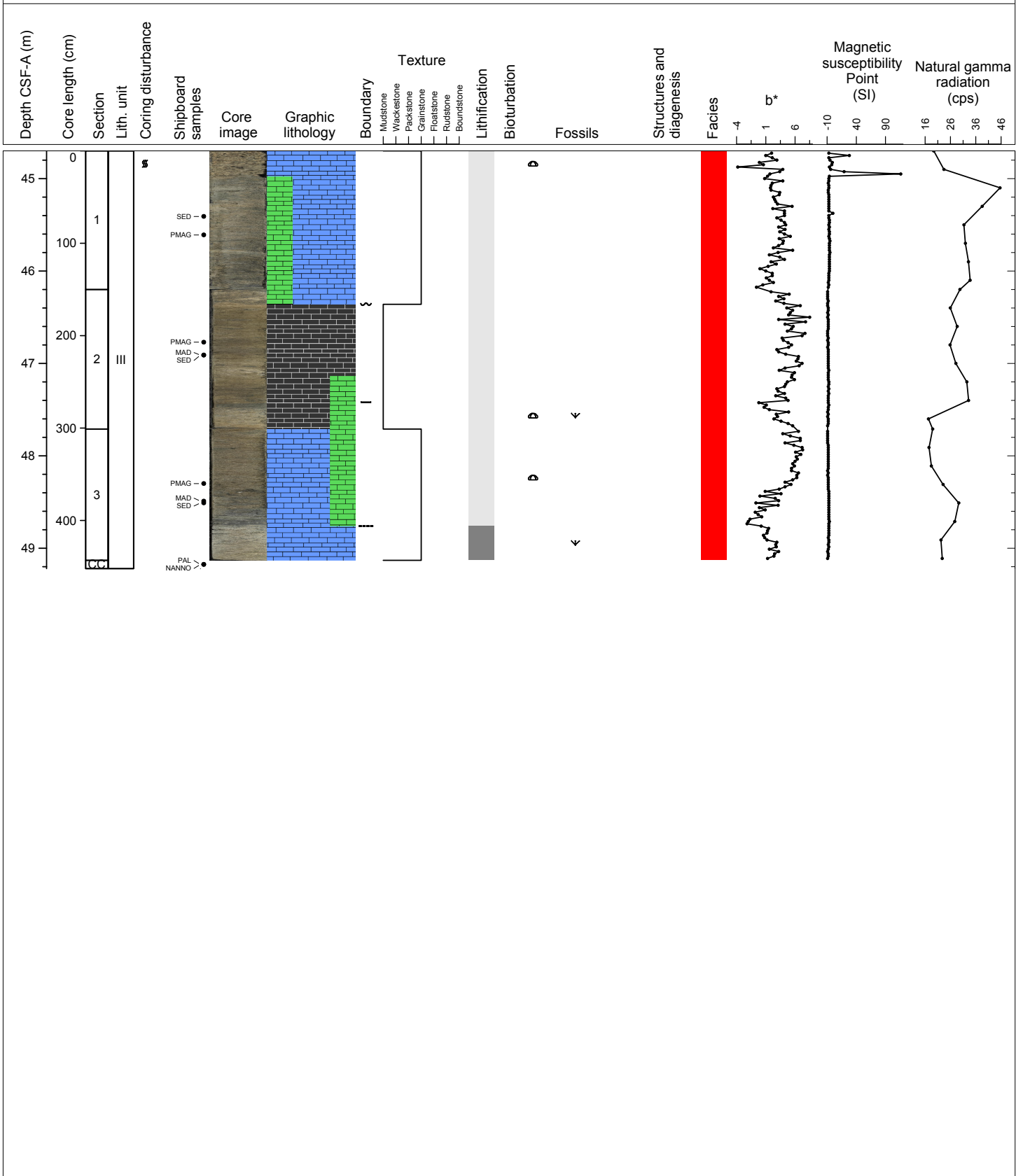
Hole 356-U1459B Core 7F, Interval 40.0-44.36 m (CSF-A)

Unlithified, creamy gray, GRAINSTONE with glauconite. Fossils include urchin spines, bivalves, and bryozoans, From 113 cm to 150 cm the glauconite is less abundant and forms bands rather than being disseminated within the sediment as in the upper 113 cm of the section. Fossils include bryozoan fragments and other unidentified fossils. No major core disturbance except the mixed disturbance of the upper part. Hemipelagic.



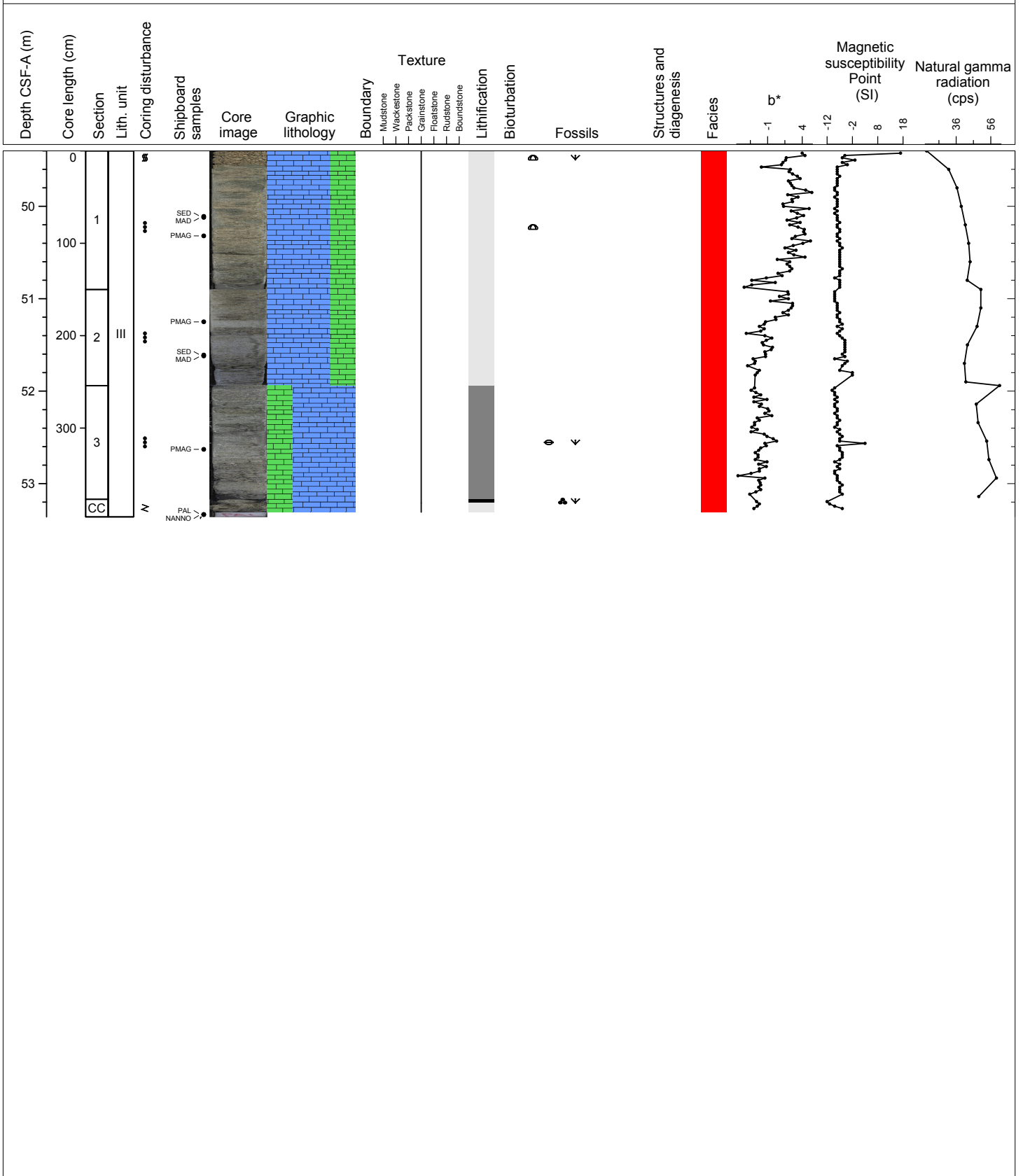
Hole 356-U1459B Core 8F, Interval 44.7-49.22 m (CSF-A)

Top to base: Unlithified, gray, GRAINSTONE transitions to light greenish-gray glauconite-rich GRAINSTONE; to cream to brown MUDSTONE with glauconite; to slightly lithified (creamy) gray GRAINSTONE with glauconite. Occasional echinoderm and bryozoan fossils. Core undisturbed except the moderate disturbance of the upper part. Hemipelagic.



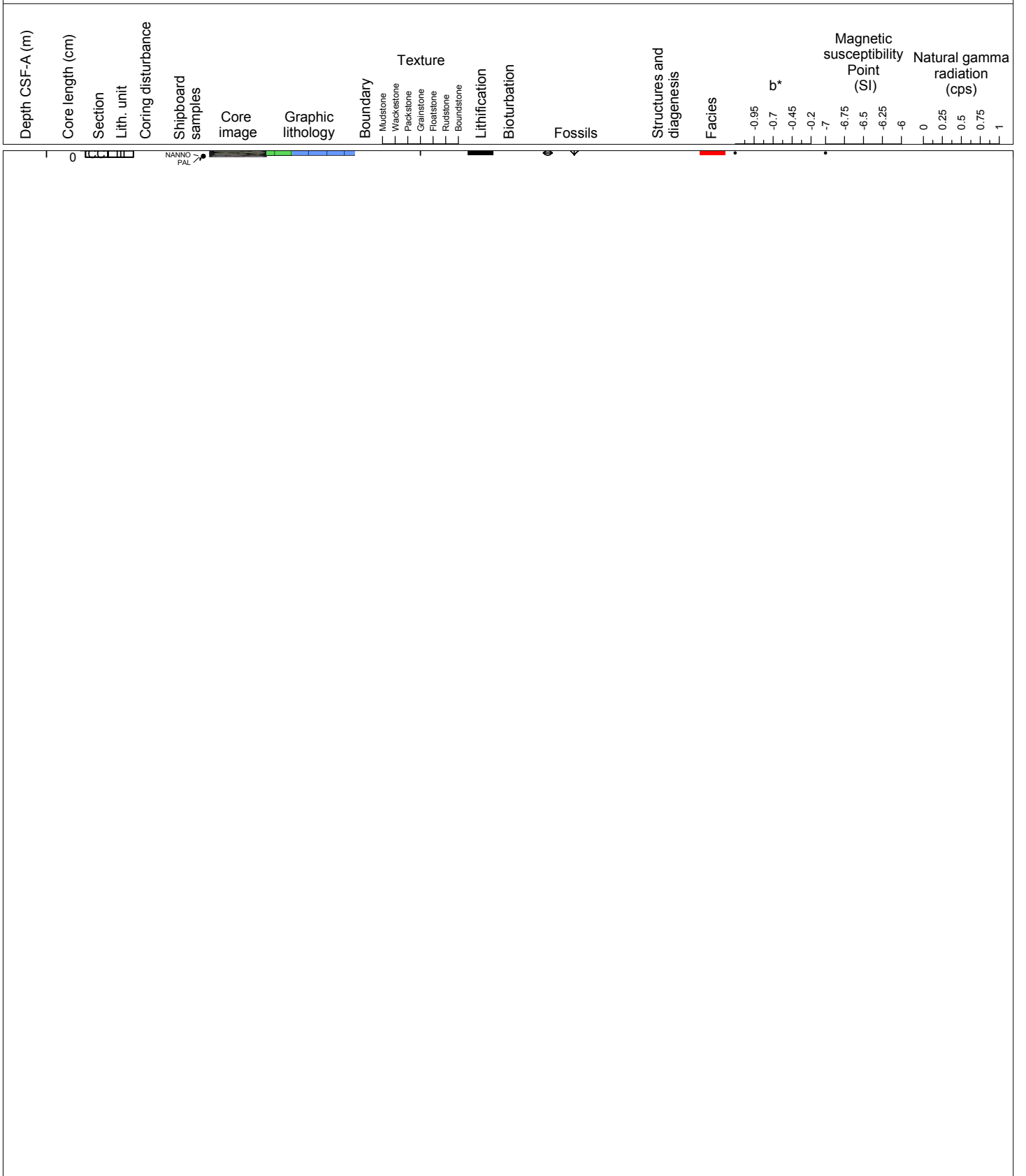
Hole 356-U1459B Core 9F, Interval 49.4-53.36 m (CSF-A)

Top to base: unlithified, creamy gray, GRAINSTONE (gravel-sized) with glauconite, fines into GRAINSTONE (sand-sized) and becomes partially lithified and light greenish-gray with depth. An exception to this lithification pattern is a very soupy and disturbed section (due to drilling) part way down the section. Echinoderm fragments occur near the top; bivalve and bryozoan fragments occur near the base. Sediment is mixed by drilling disturbance. Hemipelagic.



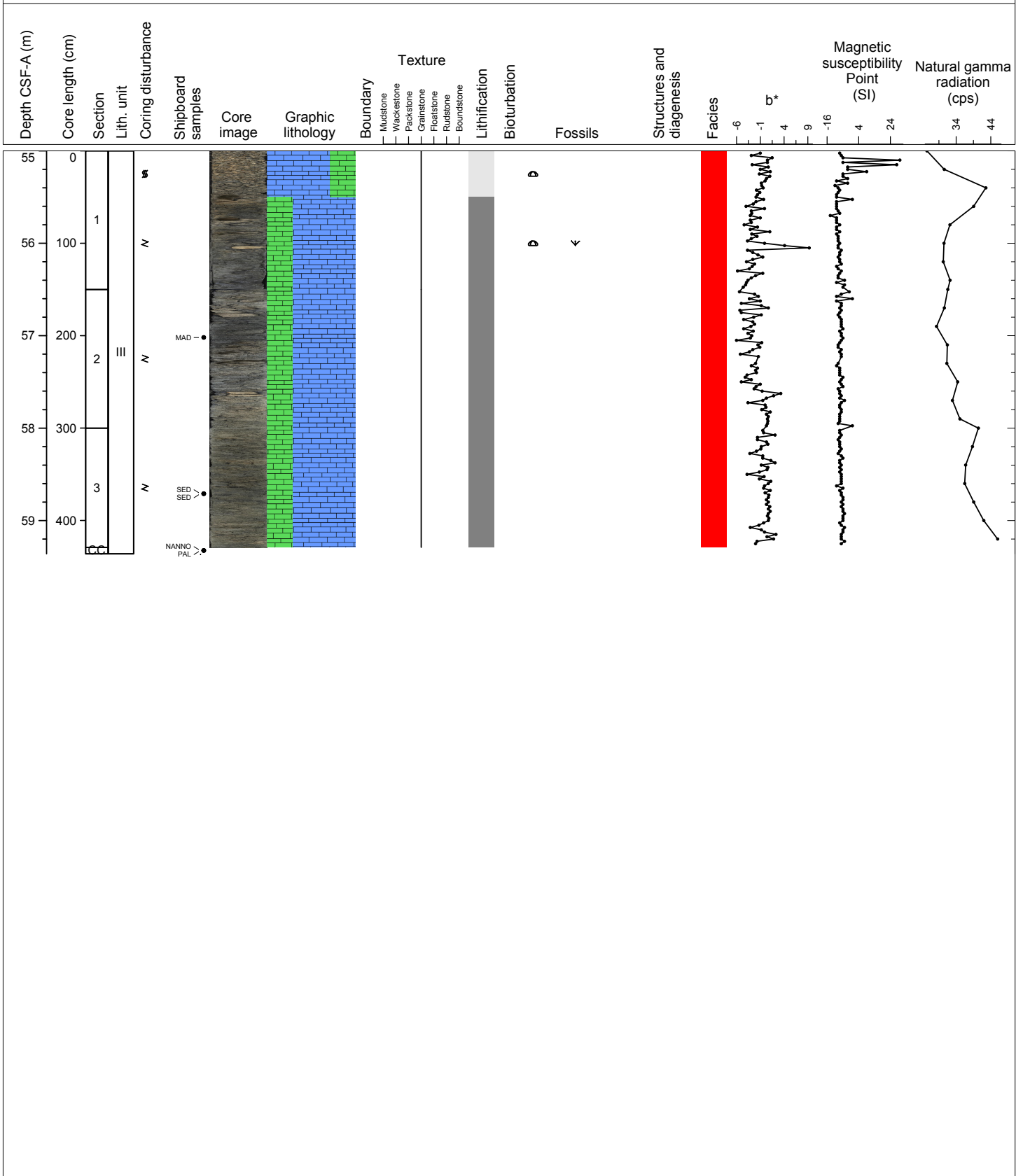
Hole 356-U1459B Core 10X, Interval 53.5-53.57 m (CSF-A)

Only the core catcher was recovered. Lithified, dark greenish-gray, glauconite-rich, GRAINSTONE. Bivalves and bryozoans present. Hemipelagic.



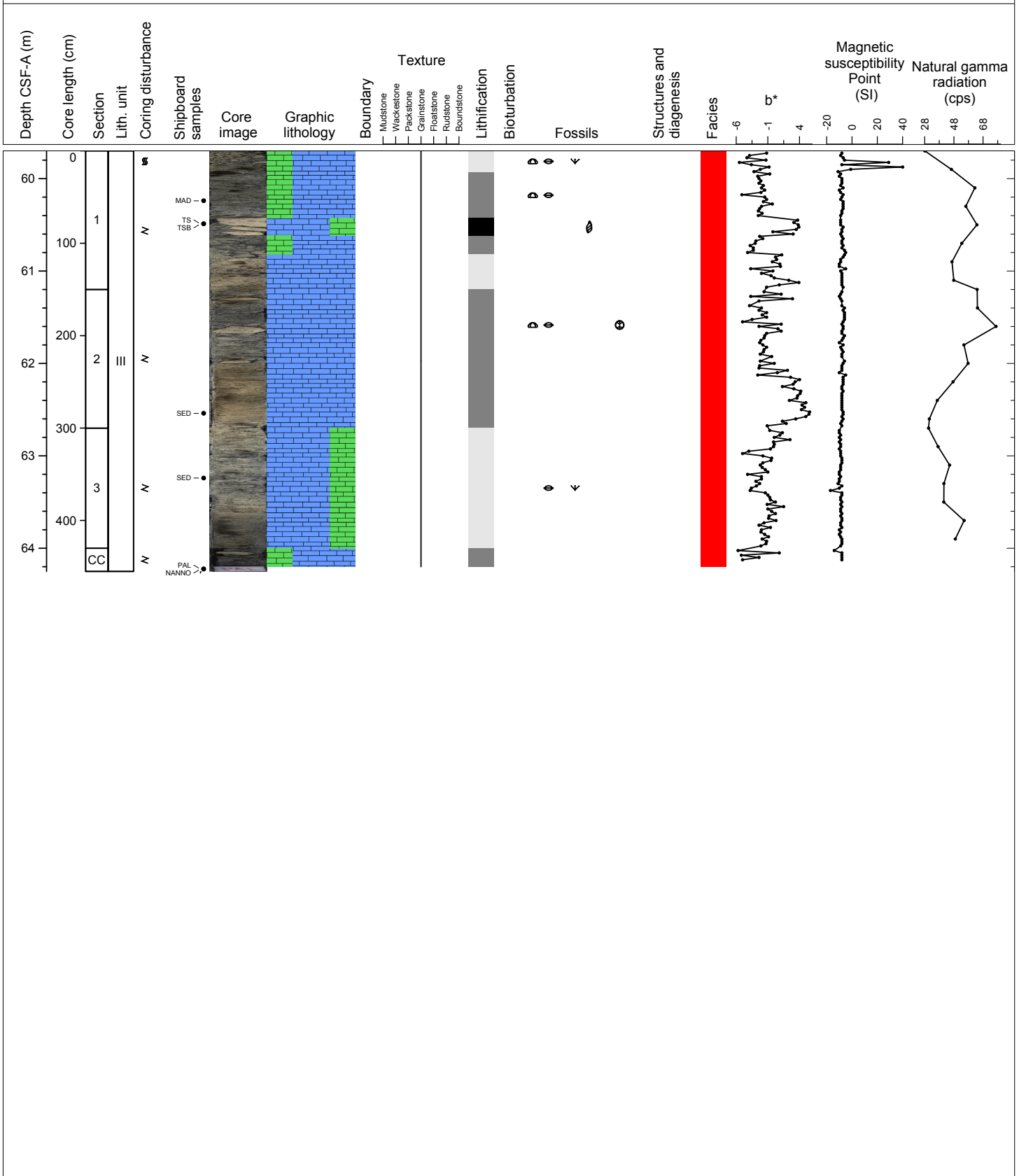
Hole 356-U1459B Core 11F, Interval 55.0-59.36 m (CSF-A)

Top to base: unlithified, creamy gray, GRAINSTONE with glauconite; up to 5 cm-thick cemented intervals of the same GRAINSTONE interbedded within the 50-150 cm interval; becomes slightly to partially lithified, light greenish-gray, glauconite-rich, GRAINSTONE near the base. Echinoderms (sand dollars and urchins) occasionally abundant; some bryozoans. Moderate disturbance by coring. Hemipelagic.



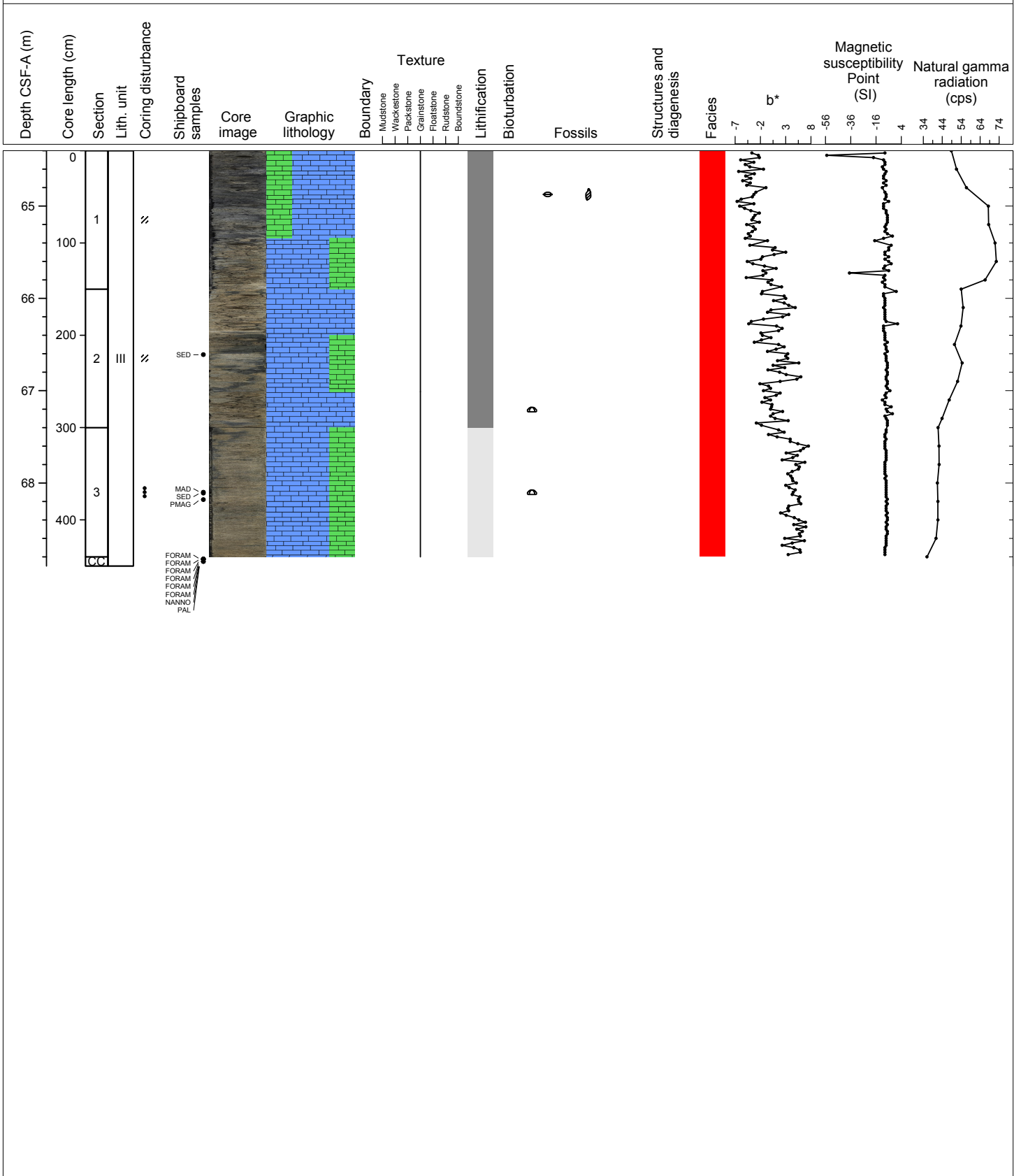
Hole 356-U1459B Core 12F, Interval 59.7-64.25 m (CSF-A)

Top to base: unlithified, primarily light greenish-gray, glauconite-rich, GRAINSTONE becomes partially lithified and cream to gray with depth, but turns dark greenish-gray near the base of the section. Occasional bivalve, bryozoan, urchin and sand dollar fossils. Disseminated hematite occurs near the top; rounded cavities (bioerosion?, dissolution?) also near the top; solitary coral mold near the middle of the section. Slight to moderate fractured disturbance by coring. Hemipelagic.



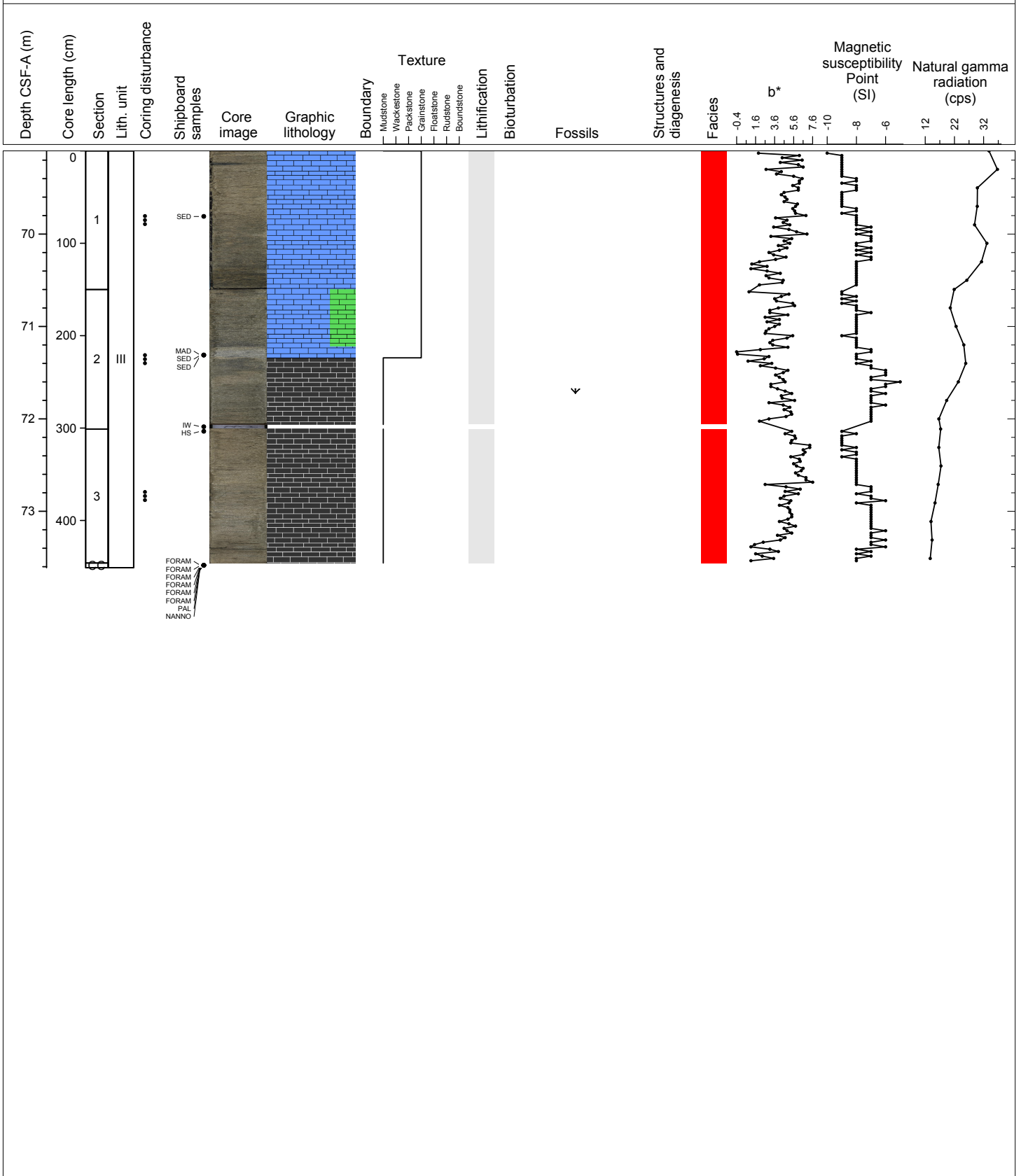
Hole 356-U1459B Core 13F, Interval 64.4-68.9 m (CSF-A)

Top to base: partially lithified, fragmented, dark greenish-gray, glauconite-rich, GRAINSTONE. With depth, the grainstone changes color (transitioning to light brown to cream to creamy green) and becomes less glauconite-rich (with glauconite occurring more in patches). Fossils are rare but include bivalves, gastropods, and urchin spines and plates. From moderate (fractured) to slight (soupy) disturbance by coring. Hemipelagic.



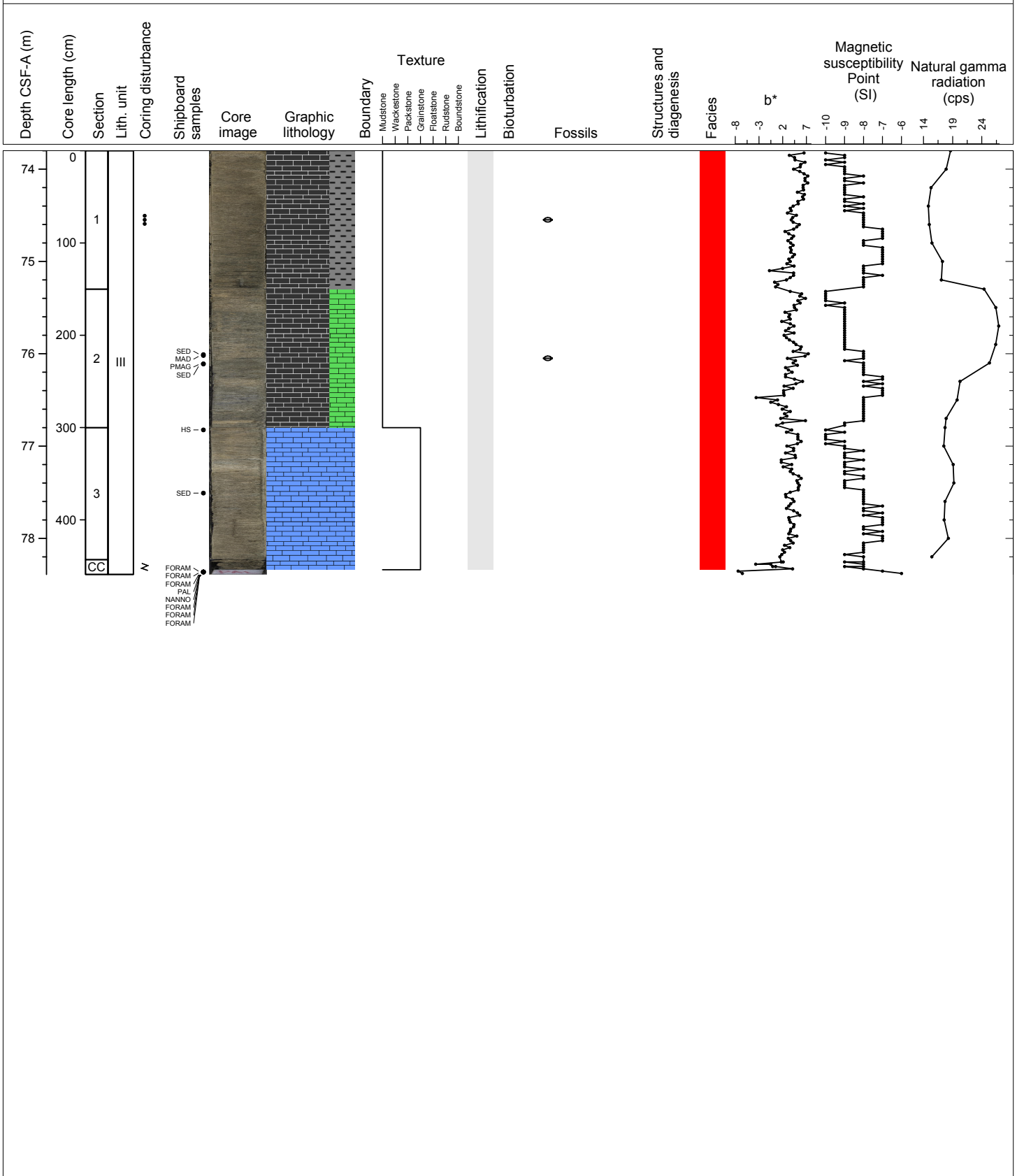
Hole 356-U1459B Core 14F, Interval 69.1-73.61 m (CSF-A)

Top to base: un lithified, creamy gray GRAINSTONE with rare patches of glauconite; becomes light gray GRAINSTONE with some small patches of cementation; and then becomes light brown MUDSTONE. Single bryozoan fragment found near base. Slightly soupy coring disturbance. Hemipelagic.



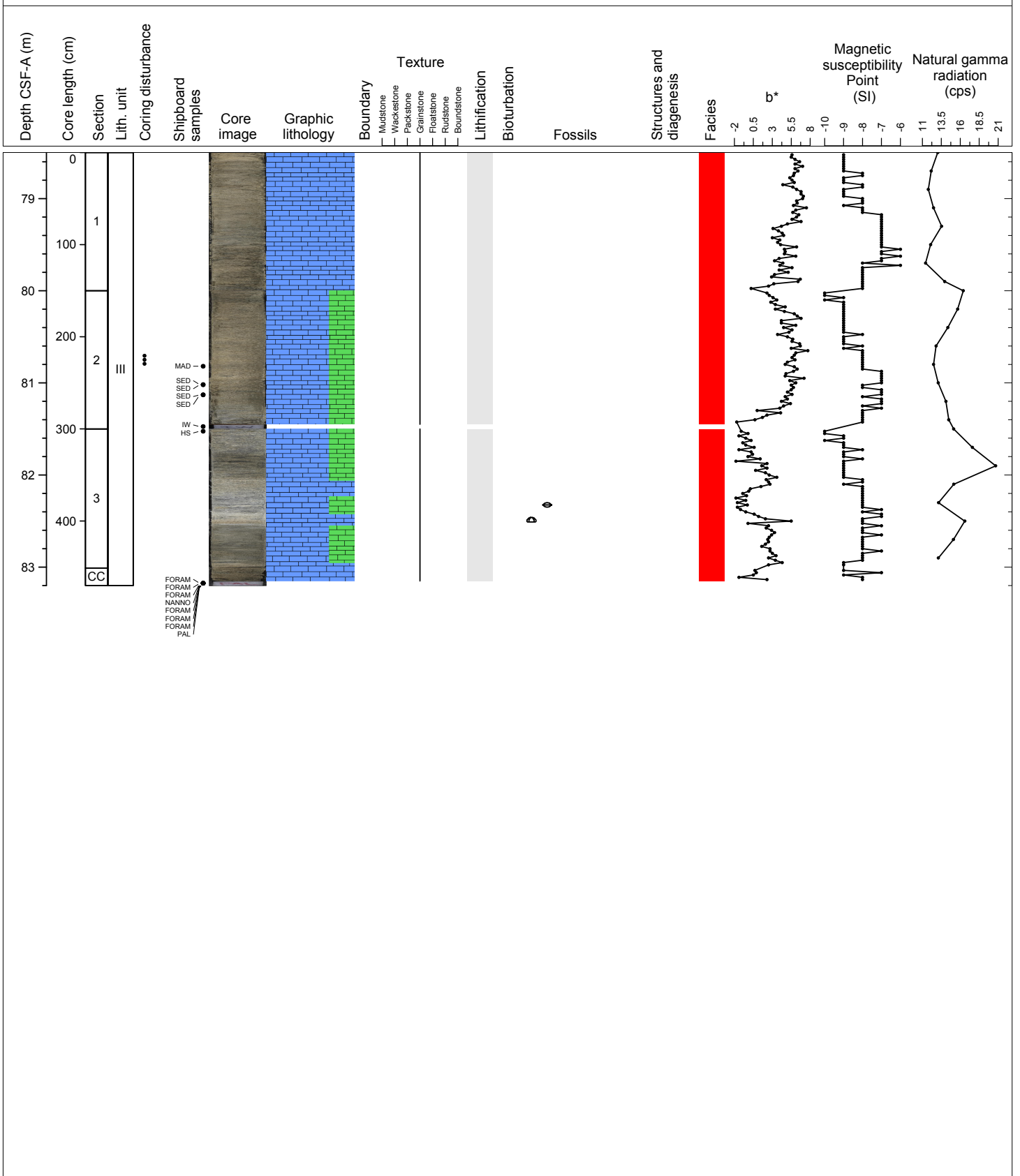
Hole 356-U1459B Core 15F, Interval 73.8-78.39 m (CSF-A)

Top to base: unlithified, light brown, MUDSTONE with clay, minimal glauconite, and rare bivalve fragments becomes a creamy gray GRAINSTONE with minimal glauconite and slight cementation (small nodules) near the base. partial, slight coring disturbance. Hemipelagic.



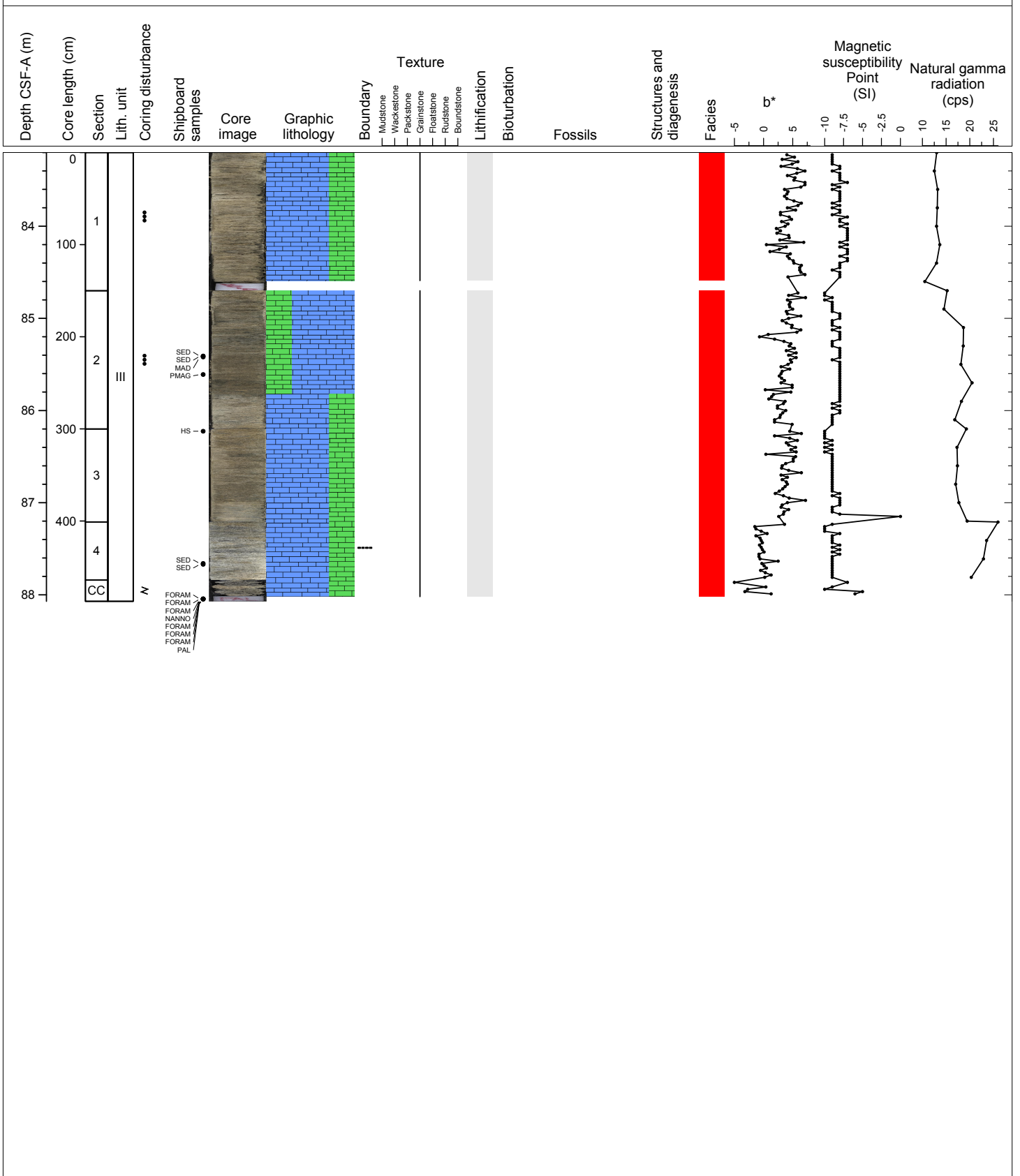
Hole 356-U1459B Core 16F, Interval 78.5-83.2 m (CSF-A)

Top to base: unlithified, light gray to creamy gray, GRAINSTONE with glauconite (very minimal in some places); turns light brown near the base. Rare bivalves. partial. slight coring disturbance. Hemipelagic.



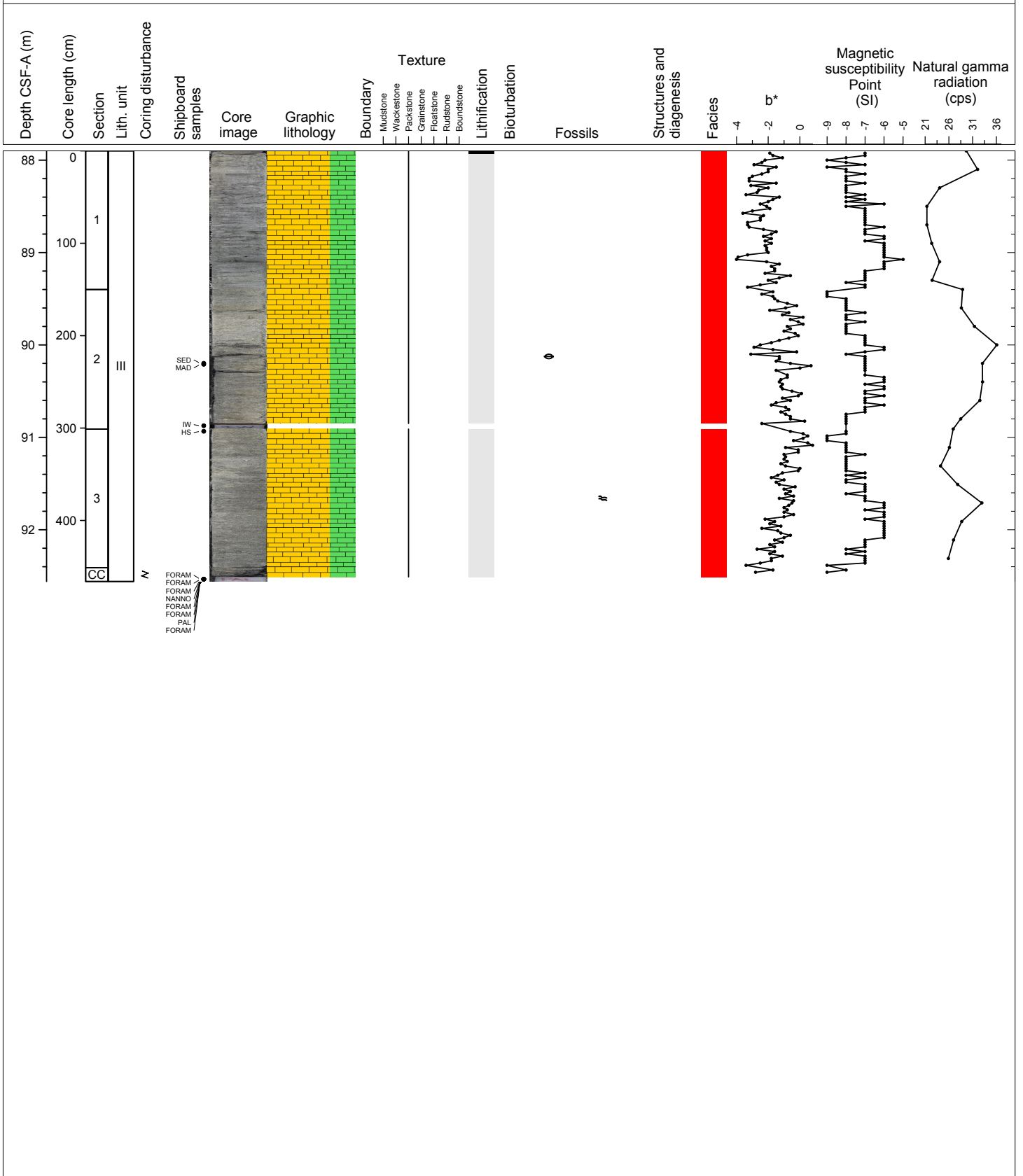
Hole 356-U1459B Core 17F, Interval 83.2-88.07 m (CSF-A)

Top to base: un lithified, light gray to cream, GRAINSTONE, ranging from glauconite-rich to just 'with glauconite'. No fossils. Partial, slight to moderate coring disturbance. Hemipelagic.



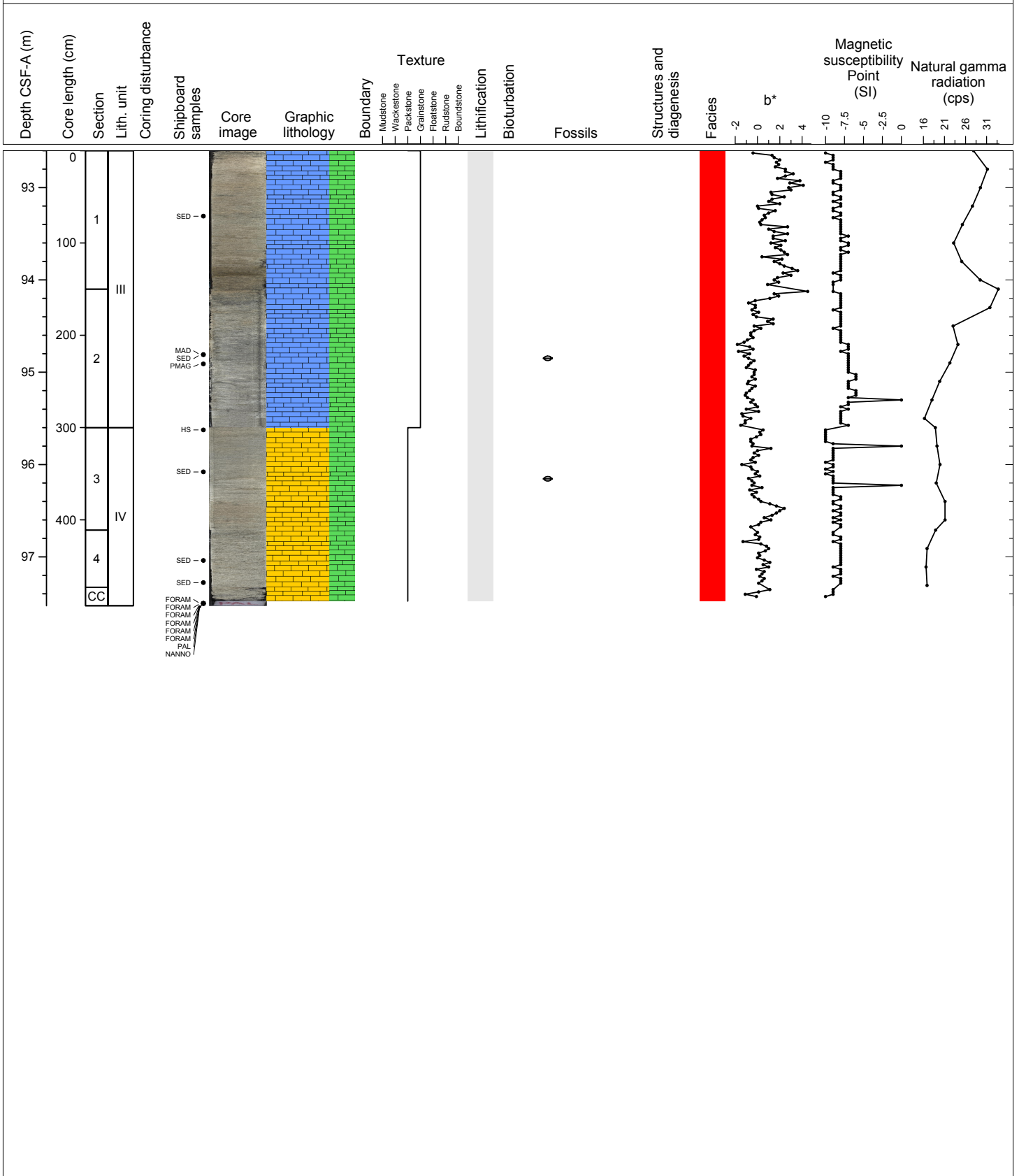
Hole 356-U1459B Core 18F, Interval 87.9-92.56 m (CSF-A)

Top to base: lithified, light gray, PACKSTONE with glauconite becomes unlithified, light gray, PACKSTONE with glauconite. Rare bivalves, and serpulid tubes. Partial, slight coring disturbance. Hemipelagic.



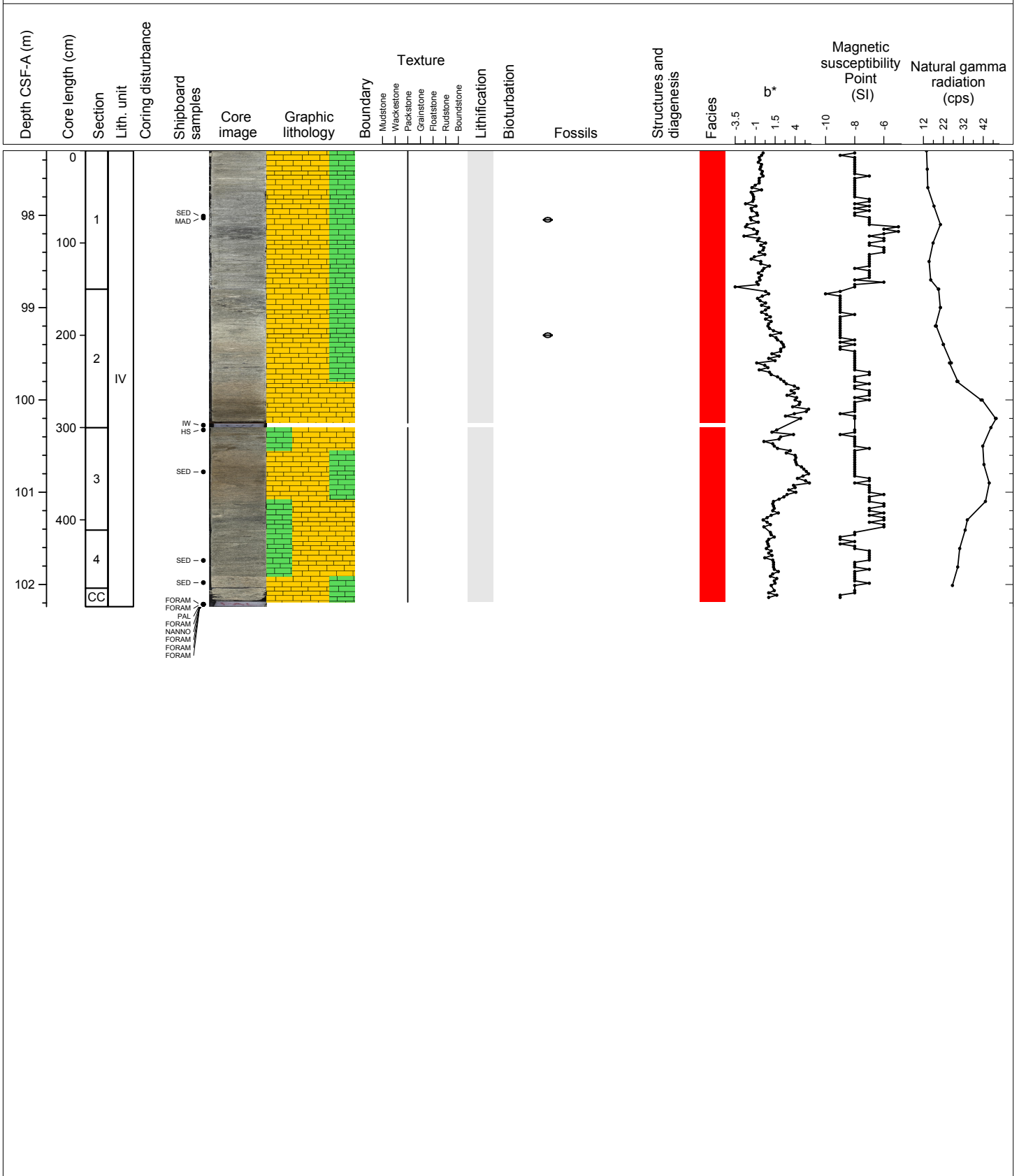
Hole 356-U1459B Core 19F, Interval 92.6-97.53 m (CSF-A)

Top to base: un lithified, cream, GRAINSTONE with rare glauconite transitions to PACKSTONE. Rare bivalve fragments. Partial, slight coring disturbance. Hemipelagic.



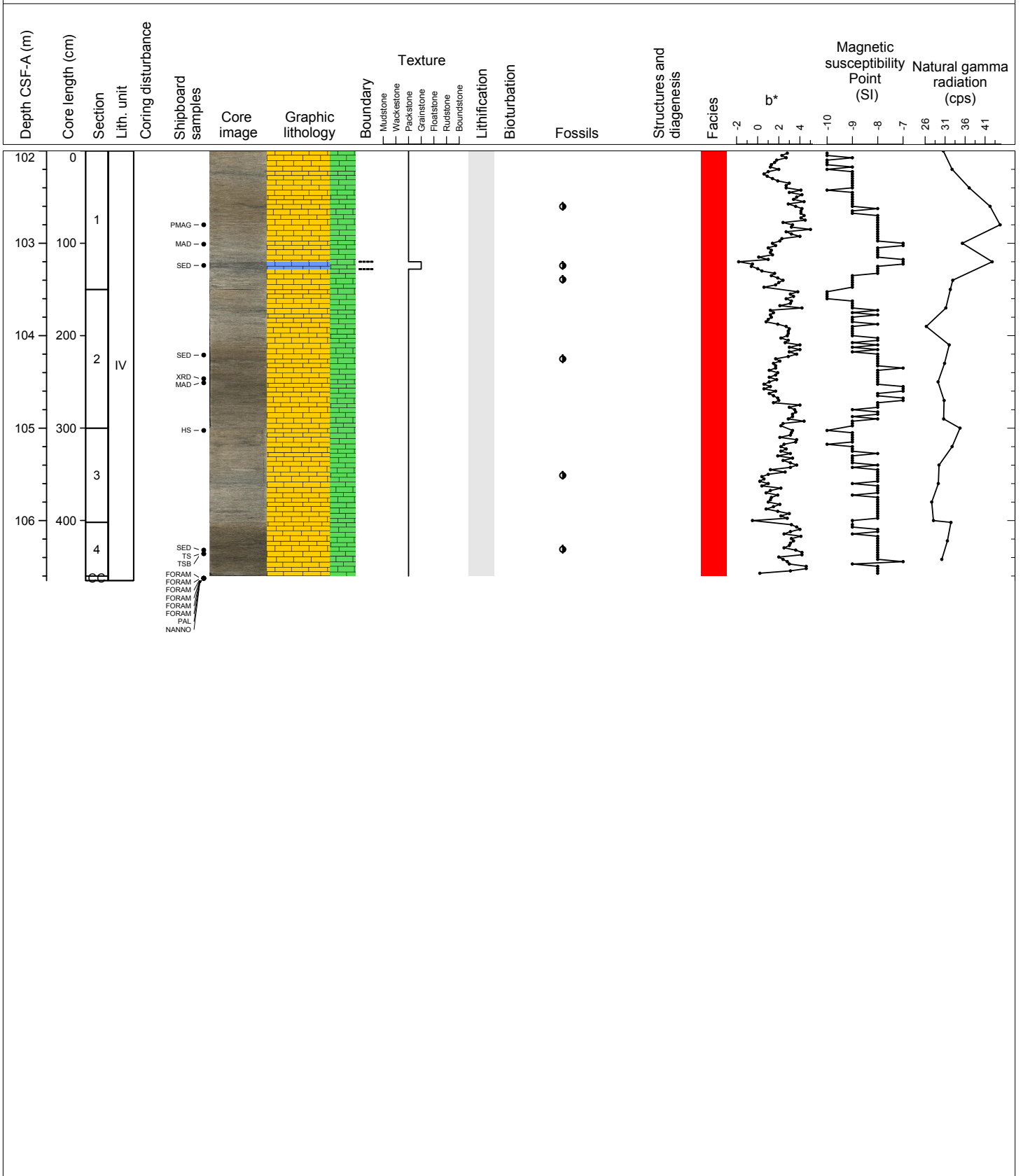
Hole 356-U1459B Core 20F, Interval 97.3-102.24 m (CSF-A)

Top to base: unlithified PACKSTONE ranges from cream to light brown to creamy gray and back to cream. Glauconite abundance varies throughout the core. Several color changes noted. Bivalves abundant near top. No drilling disturbance. Hemipelagic.



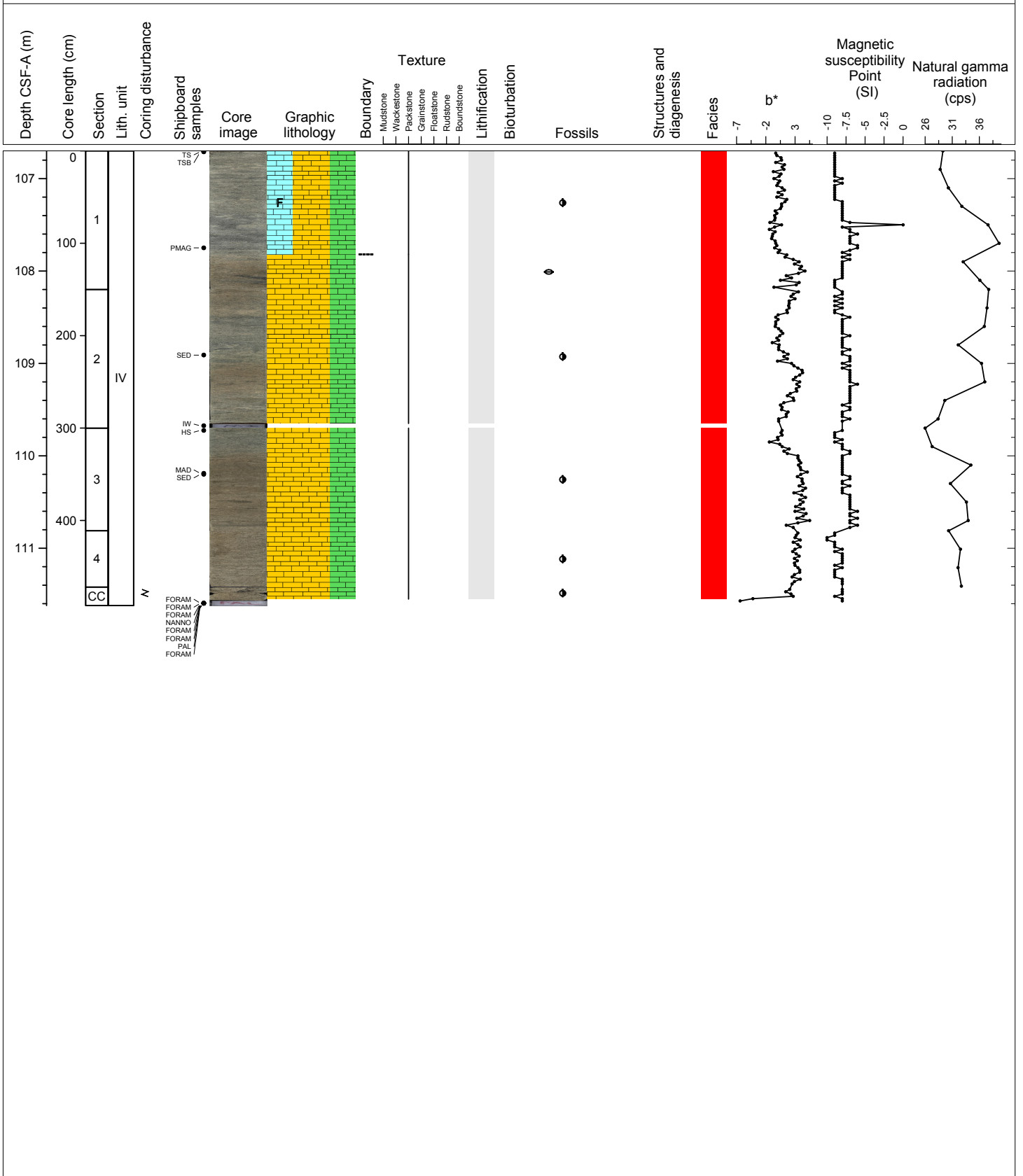
Hole 356-U1459B Core 21F, Interval 102.0-106.65 m (CSF-A)

Unlithified, cream to light brown, PACKSTONE with glauconite. Structure is massive. No drilling disturbance. Hemipelagic.



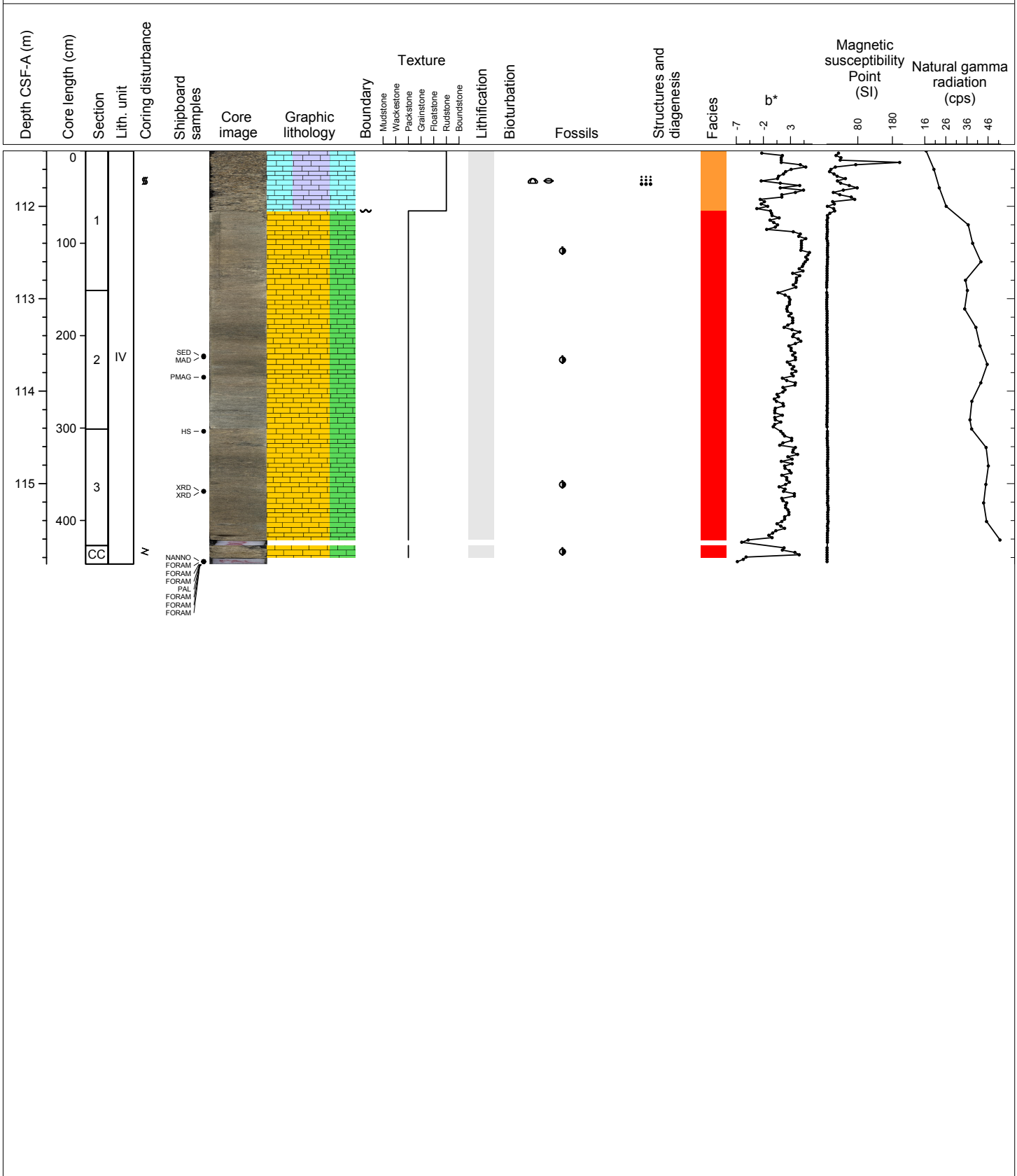
Hole 356-U1459B Core 22F, Interval 106.7-111.62 m (CSF-A)

Unlithified, creamy gray to light brown, PACKSTONE with foraminifers. Structure is massive. No drilling disturbance except in the core catcher. Hemipelagic.



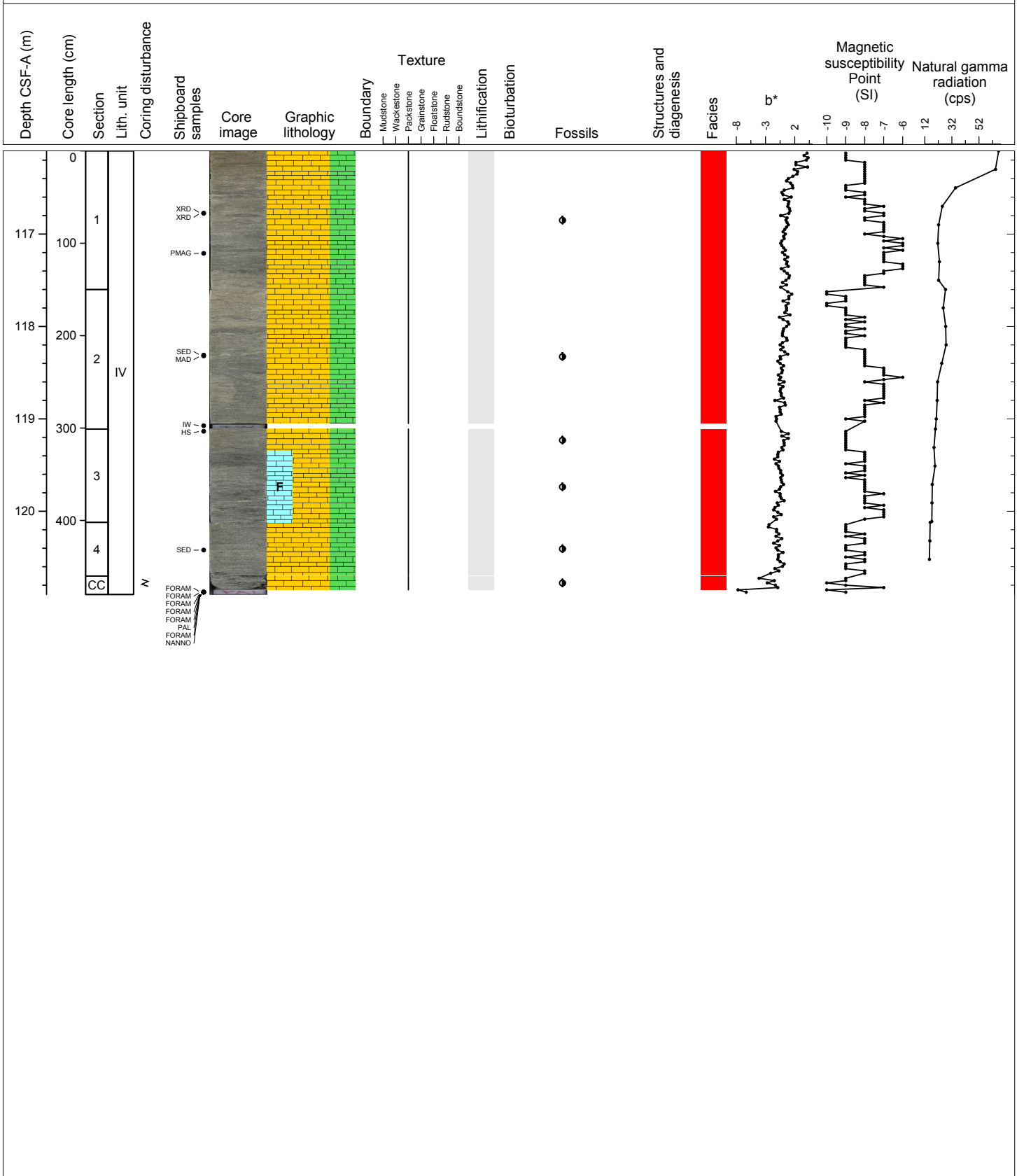
Hole 356-U1459B Core 23F, Interval 111.4-115.87 m (CSF-A)

Unlithified, light brown, PACKSTONE with glauconite. The upper 65 cm of the core is unlithified, echinoderm fragment-rich, rudstone. The rudstone shows normal-grading due to drilling disturbance. Partial core disturbance in the upper part and the core catcher.



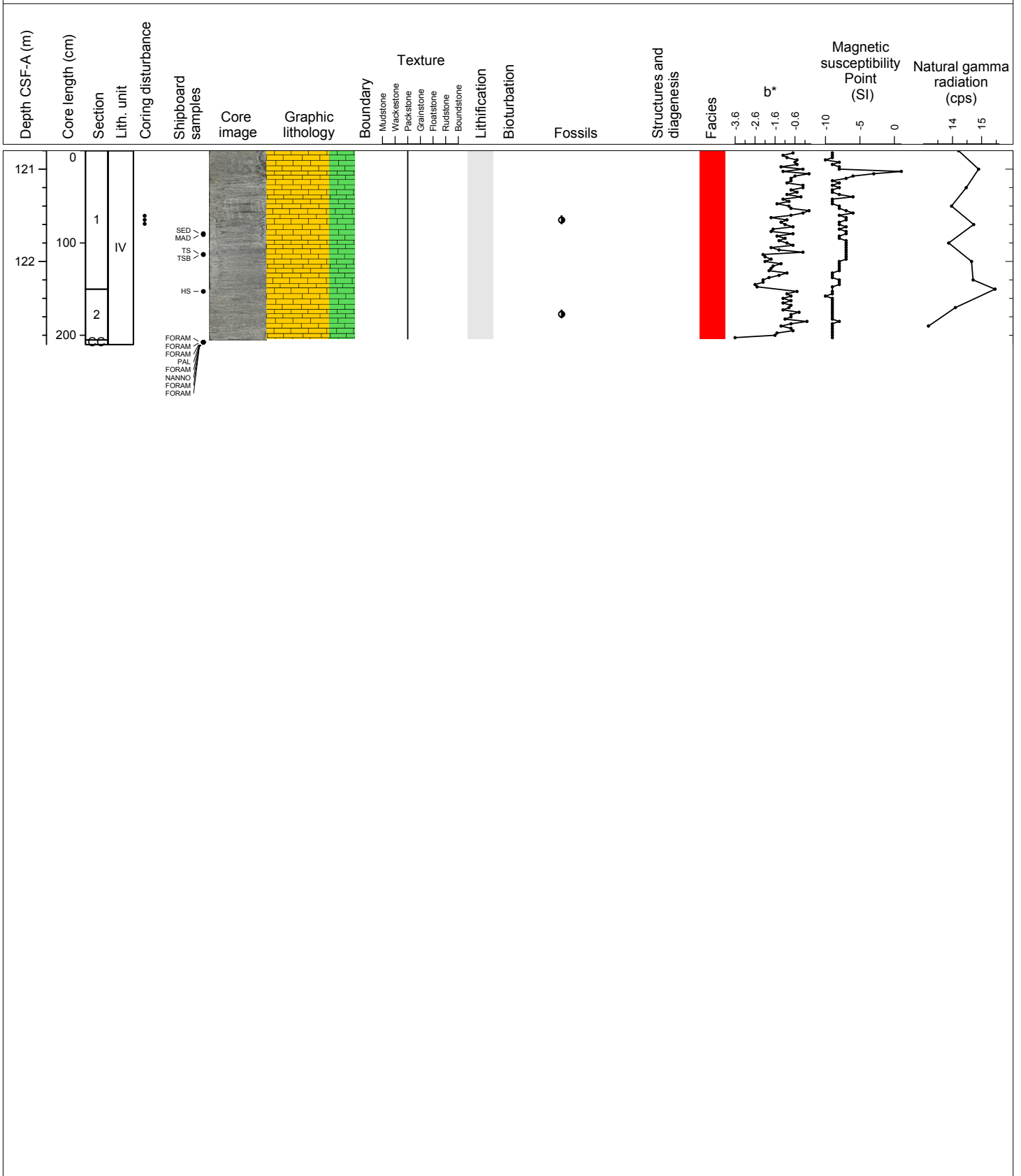
Hole 356-U1459B Core 24F, Interval 116.1-120.9 m (CSF-A)

Unlithified, creamy gray, PACKSTONE with glauconite. No drilling disturbance except for the core catcher. Hemipelagic.



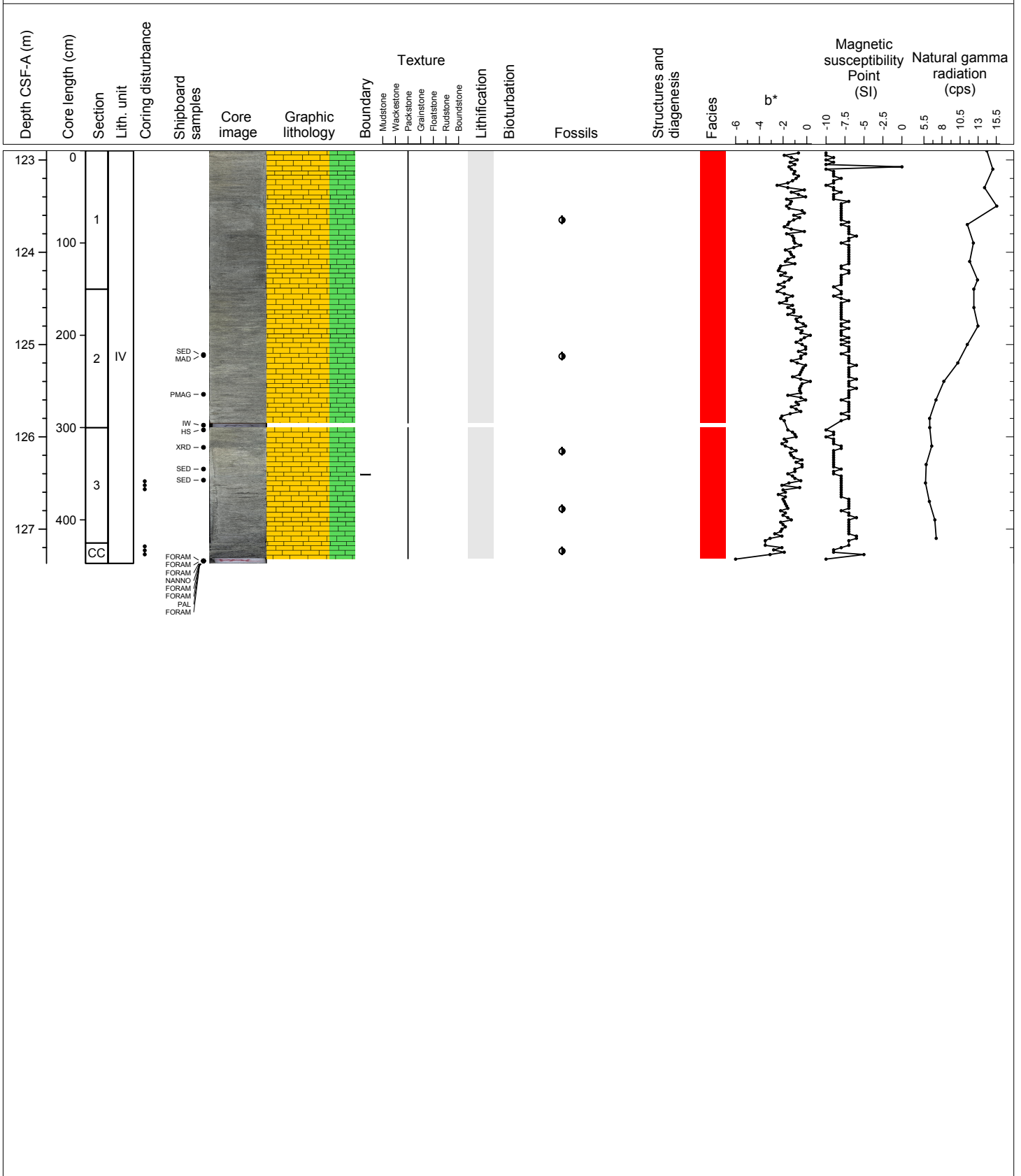
Hole 356-U1459B Core 25F, Interval 120.8-122.9 m (CSF-A)

Unlithified, creamy gray, PACKSTONE with glauconite. In the upper part of the core (26--36 cm), gravel-size skeletal fragments are present, due to drilling disturbance. Partial, slight coring disturbance in the rest of the core. Hemipelagic.



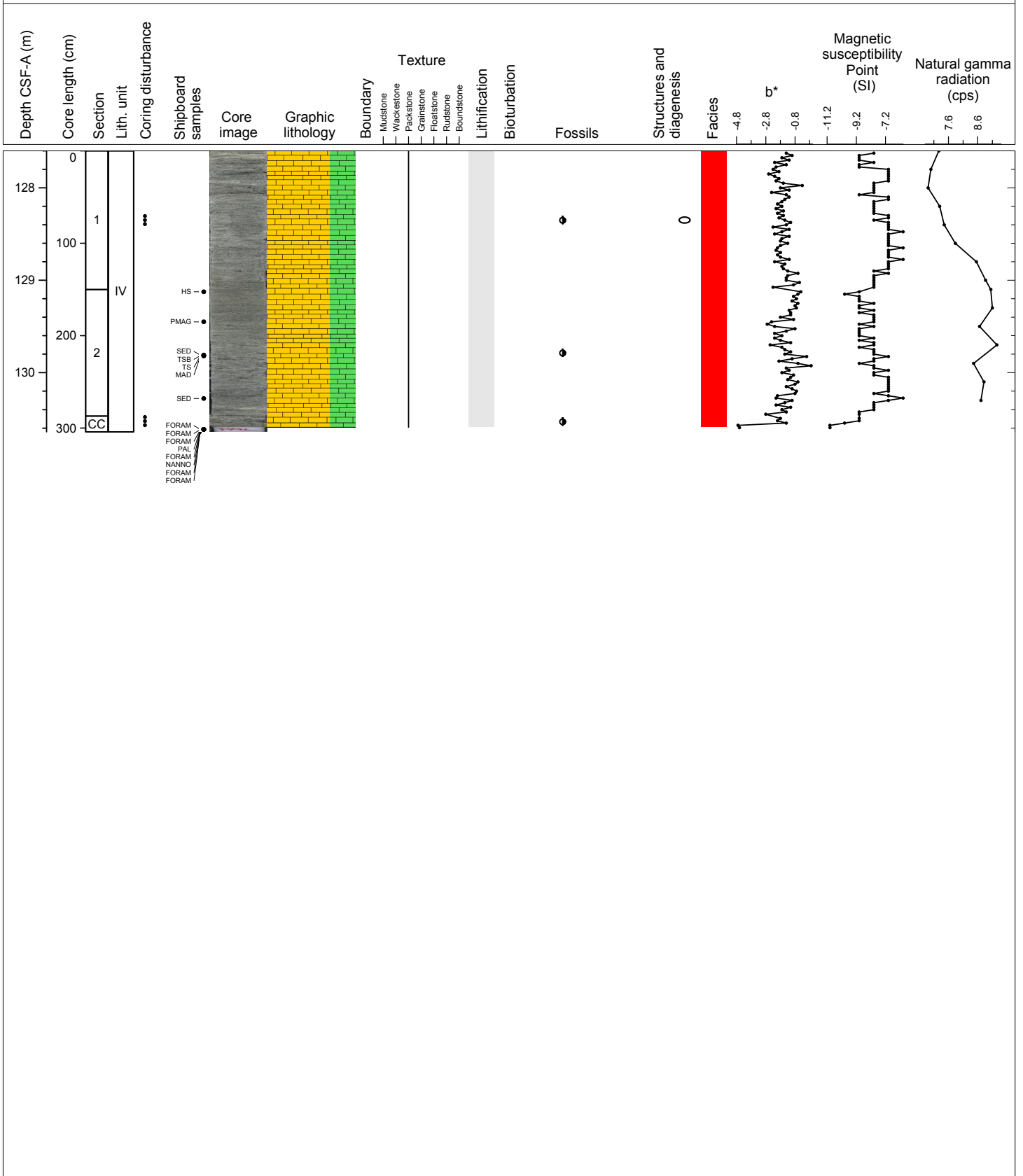
Hole 356-U1459B Core 26F, Interval 122.9-127.37 m (CSF-A)

Unlithified, creamy gray, PACKSTONE with glauconite. Sediment is massive except for lower part of the core. The lower part of the core shows normal-grading. Partial coring disturbance. Hemipelagic.



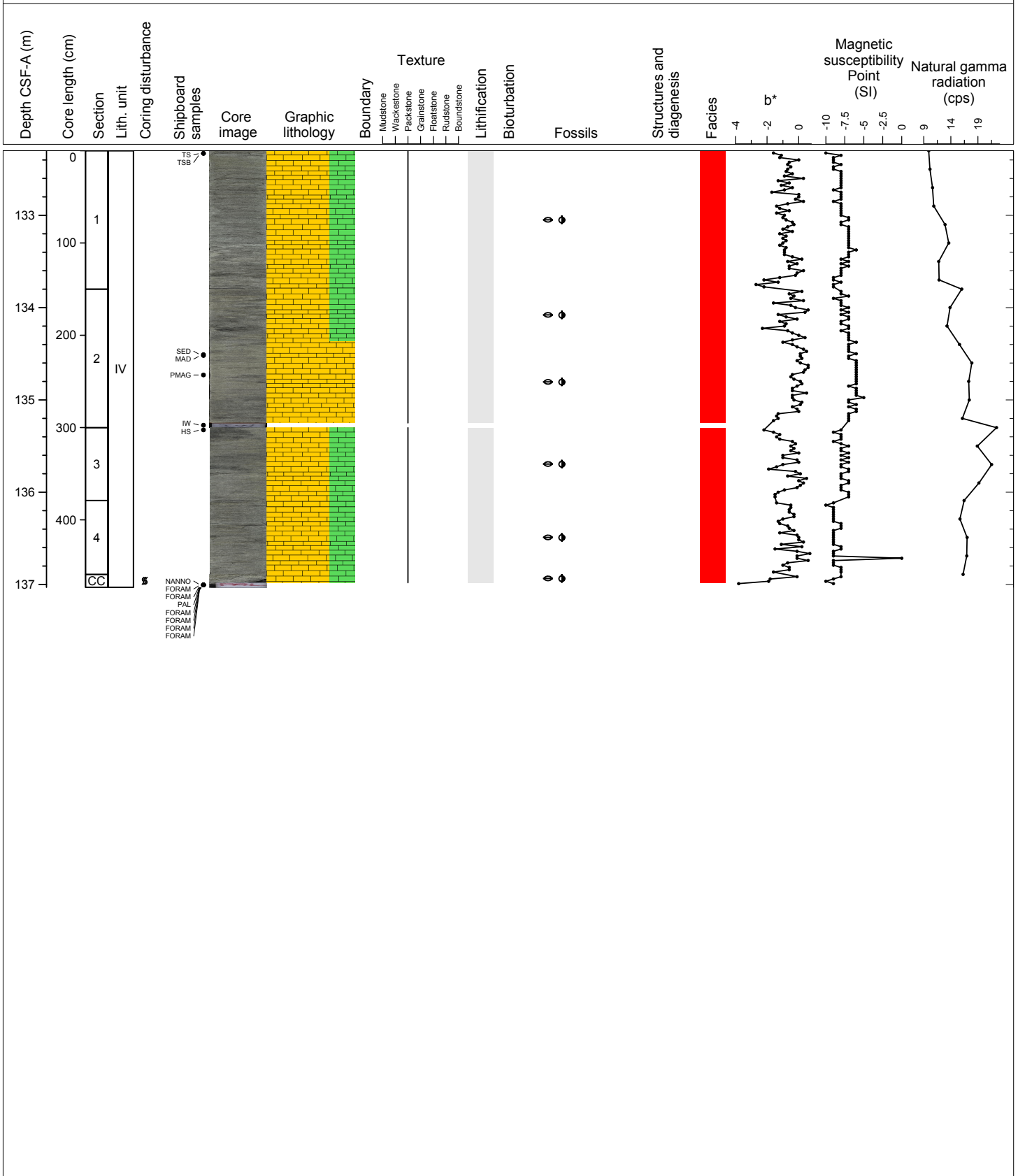
Hole 356-U1459B Core 27F, Interval 127.6-130.64 m (CSF-A)

Unlithified, creamy gray, PACKSTONE with glauconite. Several concretions and a foraminifer-rich zone are present at the uppermost and lower part of the core. Partial coring disturbance. Hemipelagic.



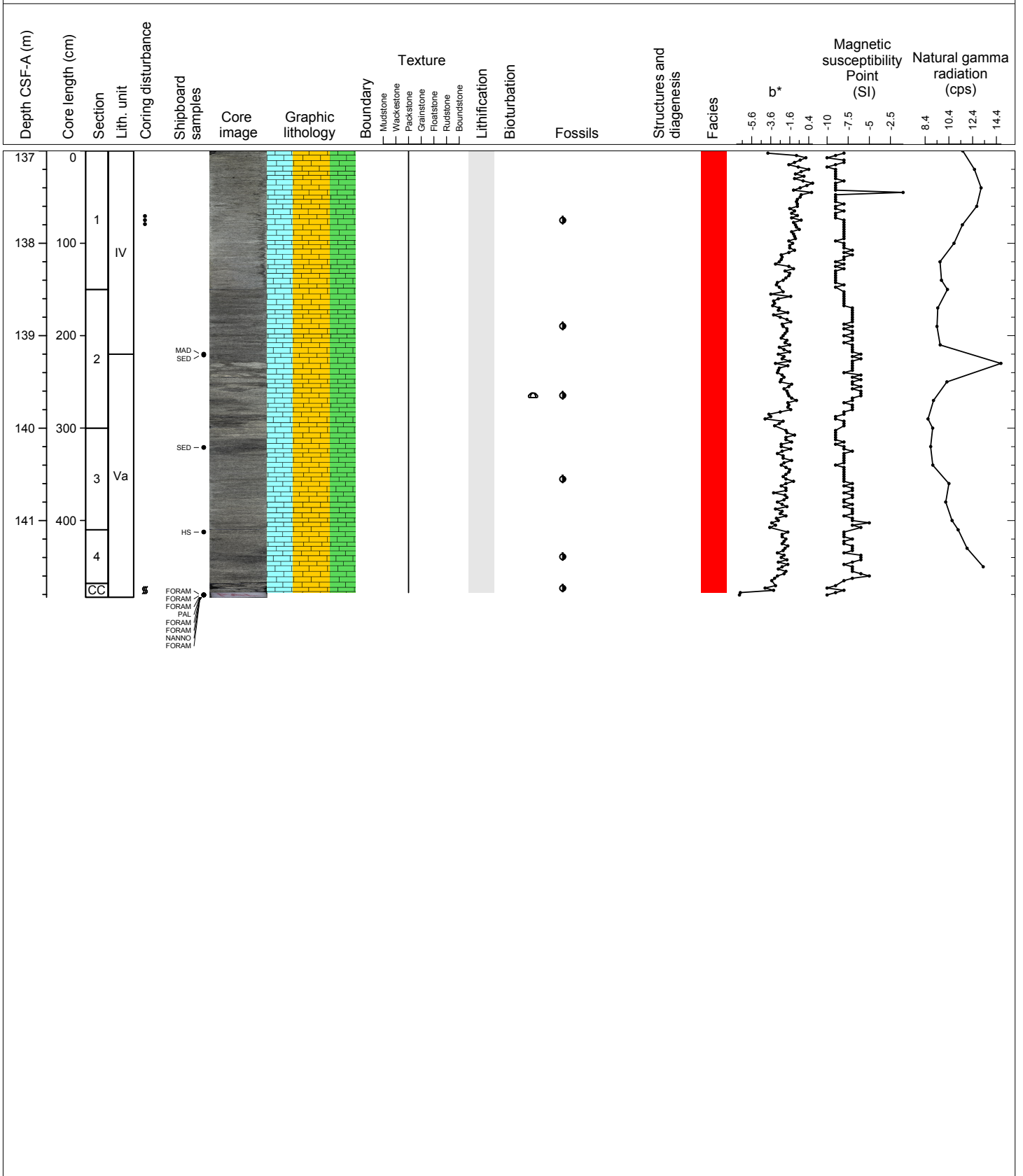
Hole 356-U1459B Core 28F, Interval 132.3-137.03 m (CSF-A)

Unlithified, gray, PACKSTONE with glauconite. No specific structures identified. Shell fragments and small benthic foraminifers are present throughout the core. No drilling disturbance except slight disturbance of the core catcher. Hemipelagic.



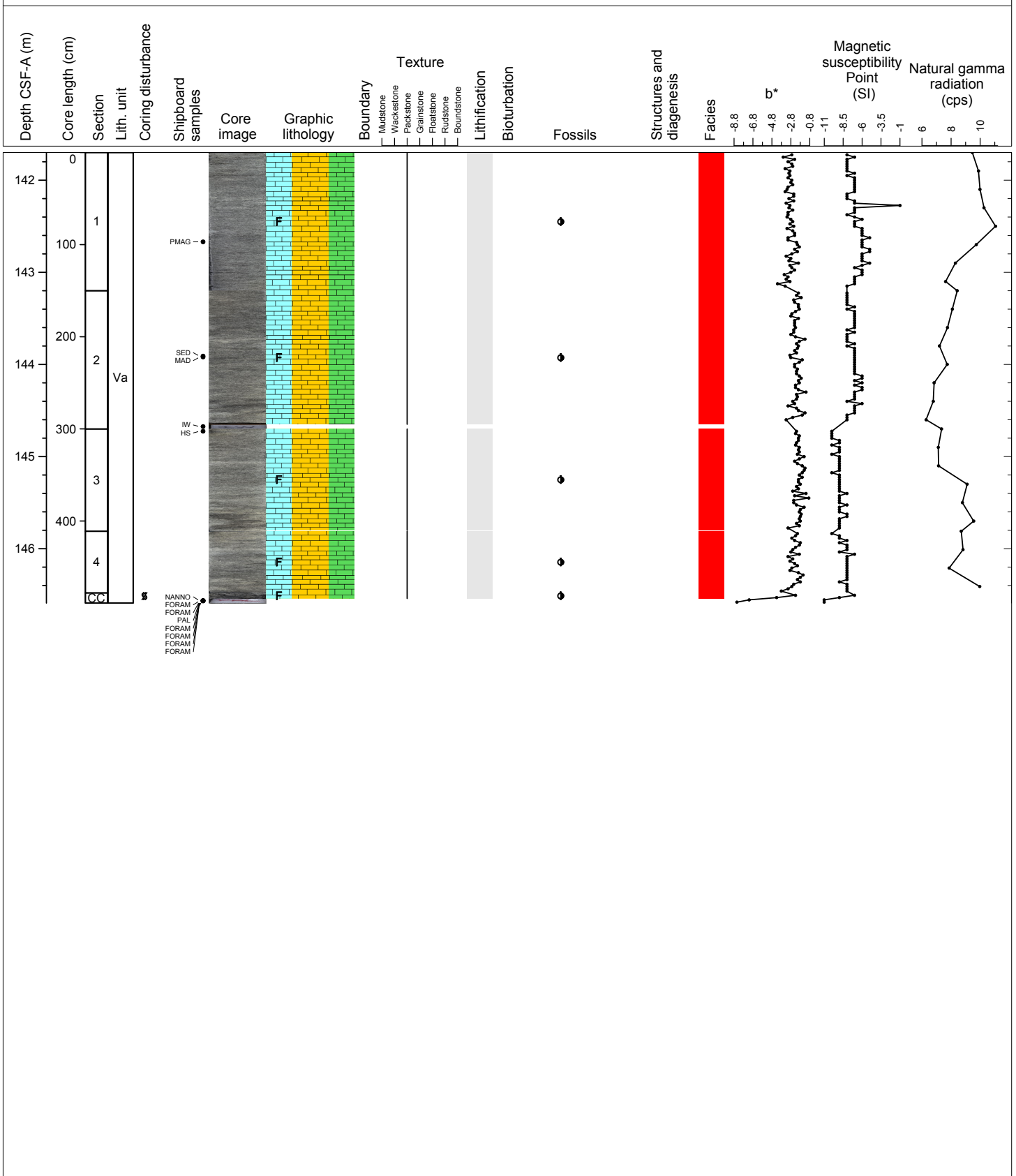
Hole 356-U1459B Core 29F, Interval 137.0-141.83 m (CSF-A)

Unlithified, gray, skeletal PACKSTONE with glauconite, small benthic foraminifer, and a low percentage of echinoderm fragments. No specific structures or bioturbation is recognized throughout the core. Partial slight (upper part) and moderated (core catcher) disturbance. Hemipelagic.



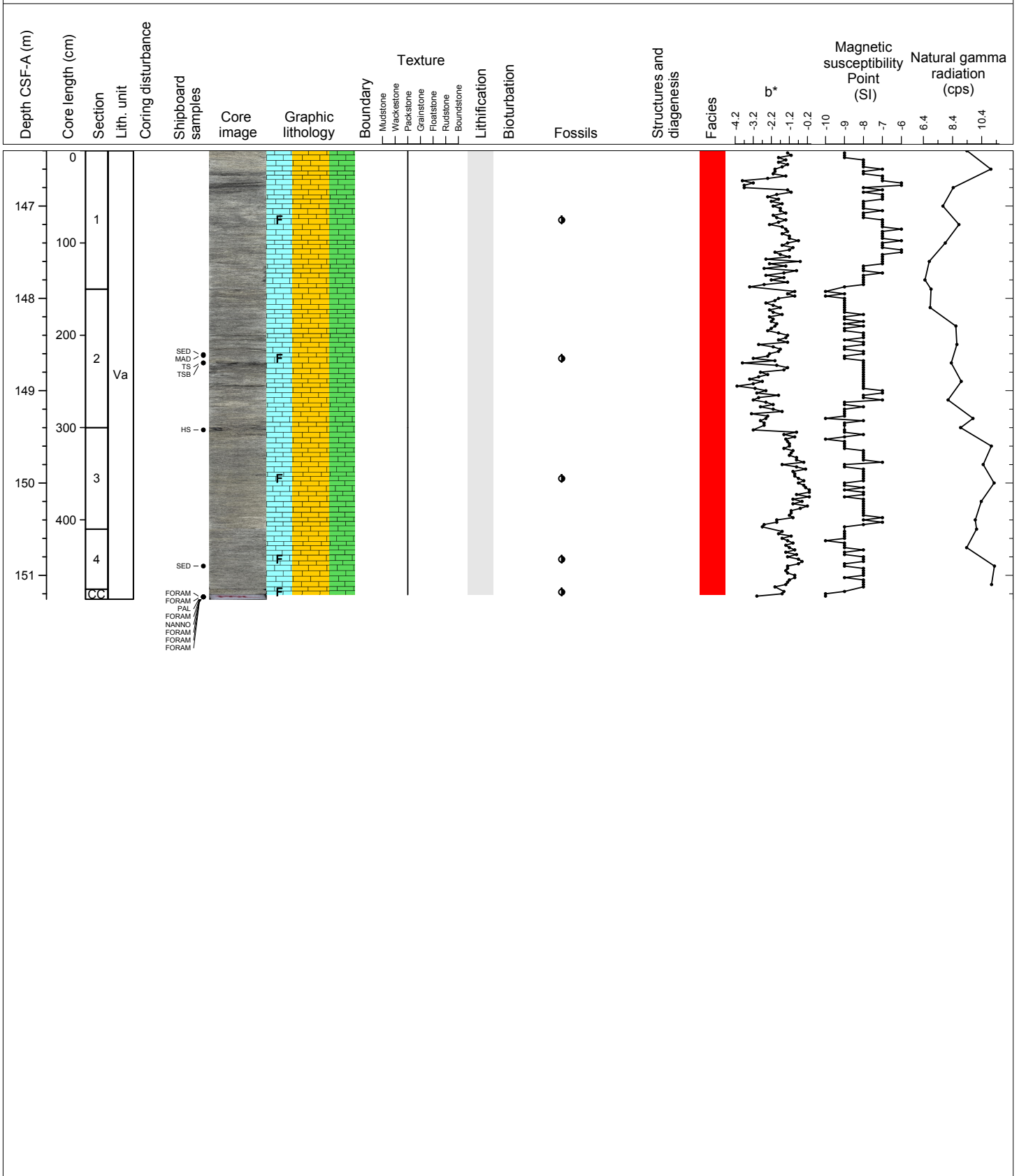
Hole 356-U1459B Core 30F, Interval 141.7-146.59 m (CSF-A)

Unlithified, creamy gray to gray, foraminifer-rich PACKSTONE with glauconite. There are glauconite-rich patches and lenses throughout the core. Sediment is massive. No drilling disturbance except moderate disturbance in the core catcher.



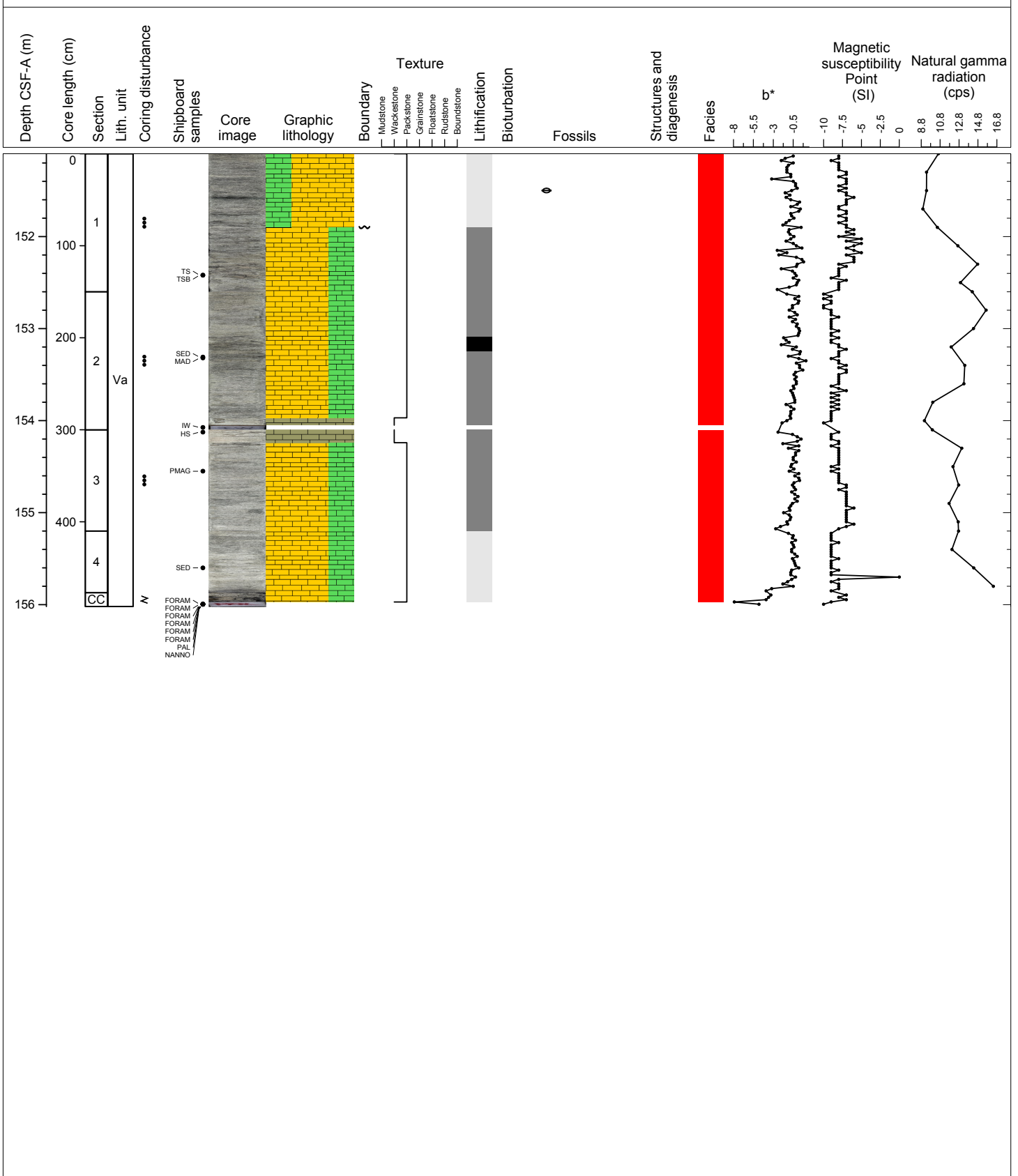
Hole 356-U1459B Core 31F, Interval 146.4-151.26 m (CSF-A)

Unlithified, creamy gray, foraminifer-rich PACKSTONE with glauconite. Slightly cemented nodules scattered throughout the section. Texture and structure are massive. No drilling disturbance. Hemipelagic.



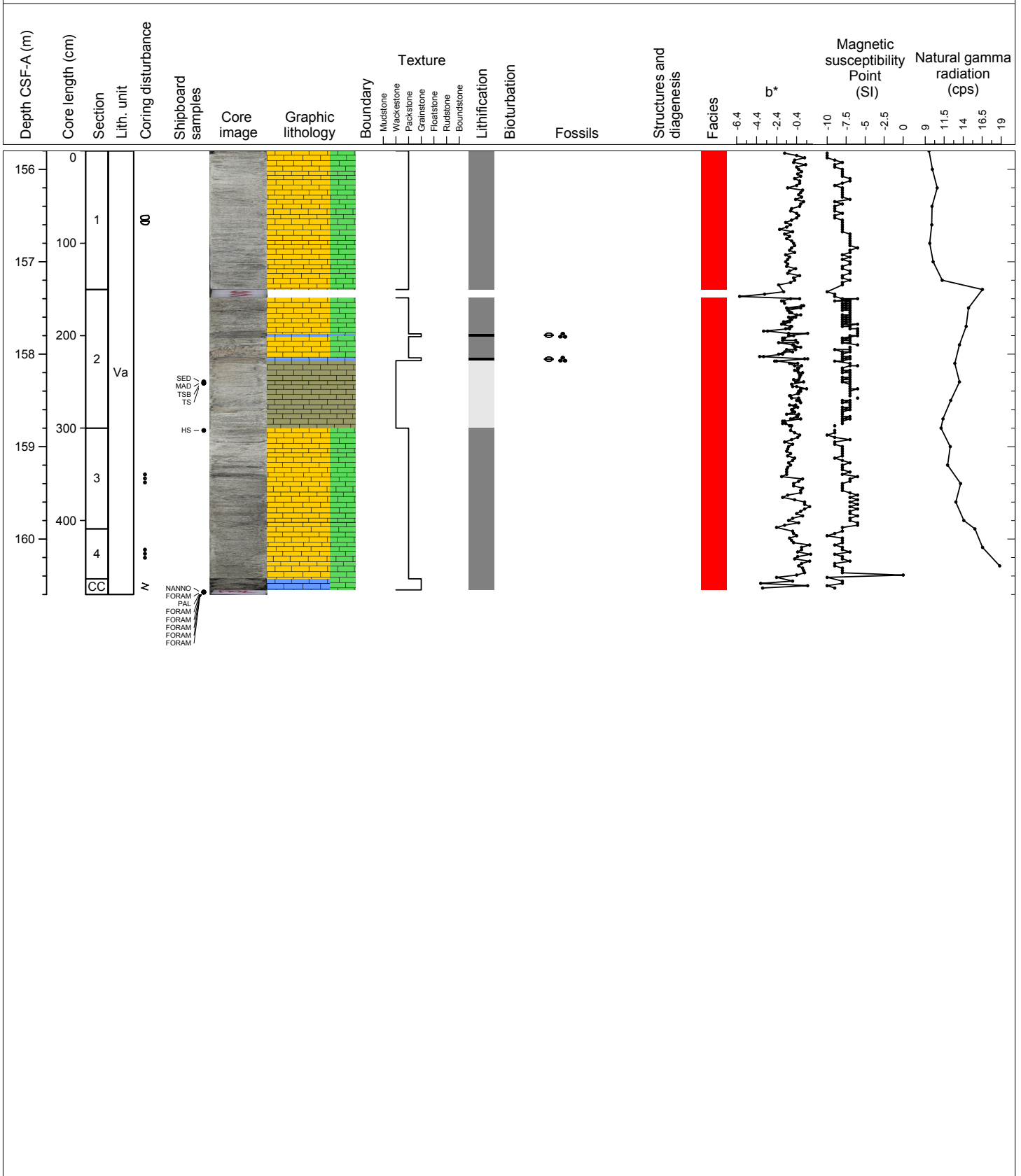
Hole 356-U1459B Core 32F, Interval 151.1-156.02 m (CSF-A)

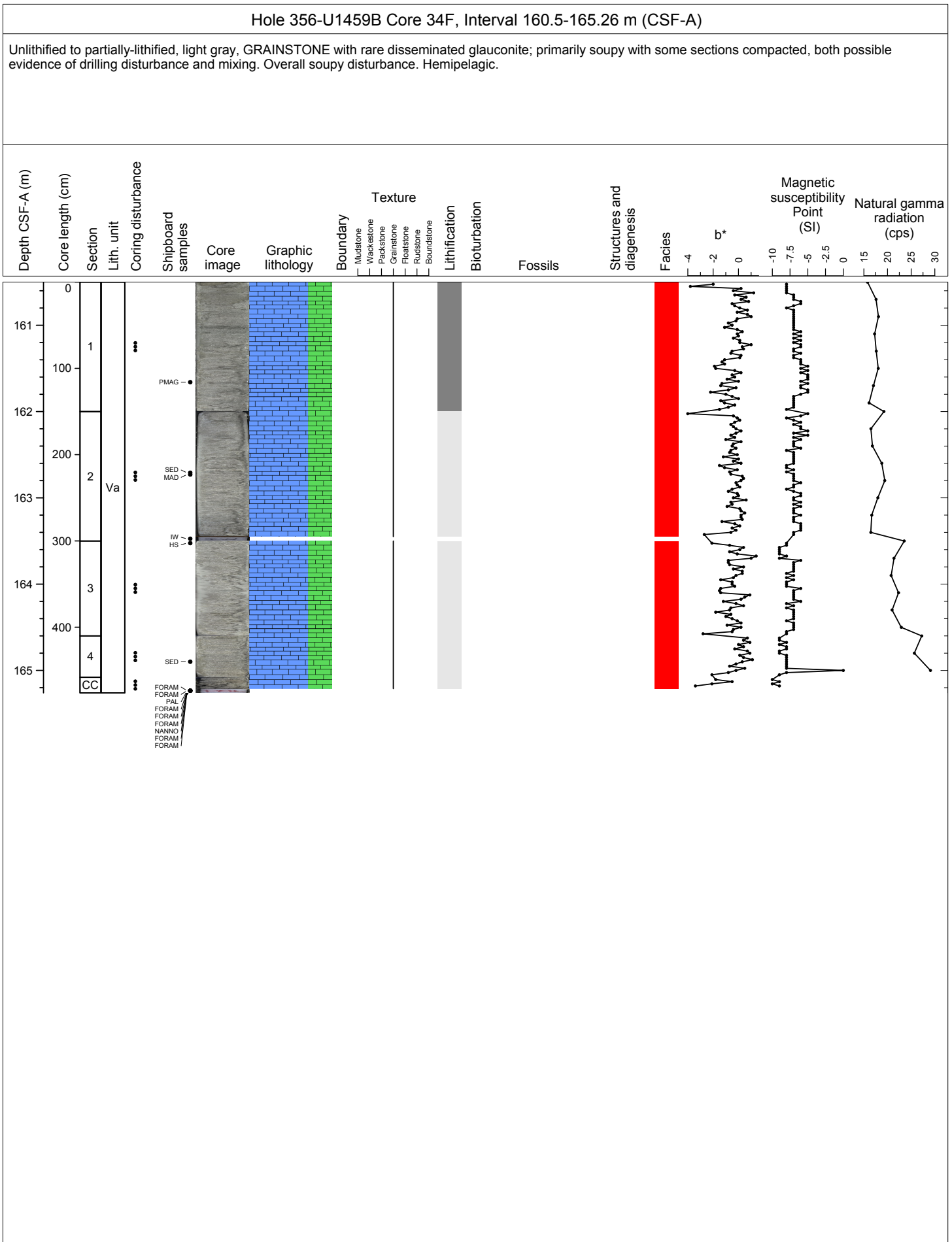
Top to base: unlithified, light greenish-gray, glauconite-rich, PACKSTONE meets underlying partially-lithified, light gray, PACKSTONE with glauconite at a wavy, subhorizontal contact. Light gray PACKSTONE is followed by a lithified interval (fractured during coreing) of creamy gray PACKSTONE, which becomes less lithified, cream in color and contains glauconite. PACKSTONE becomes WACKESTONE, containing more mud but is still coarse grained. The WACKESTONE is followed by PACKSTONE with slight disseminated glauconite that becomes unlithified and light gray near the base. Slight to moderate coring disturbance. Hemipelagic.

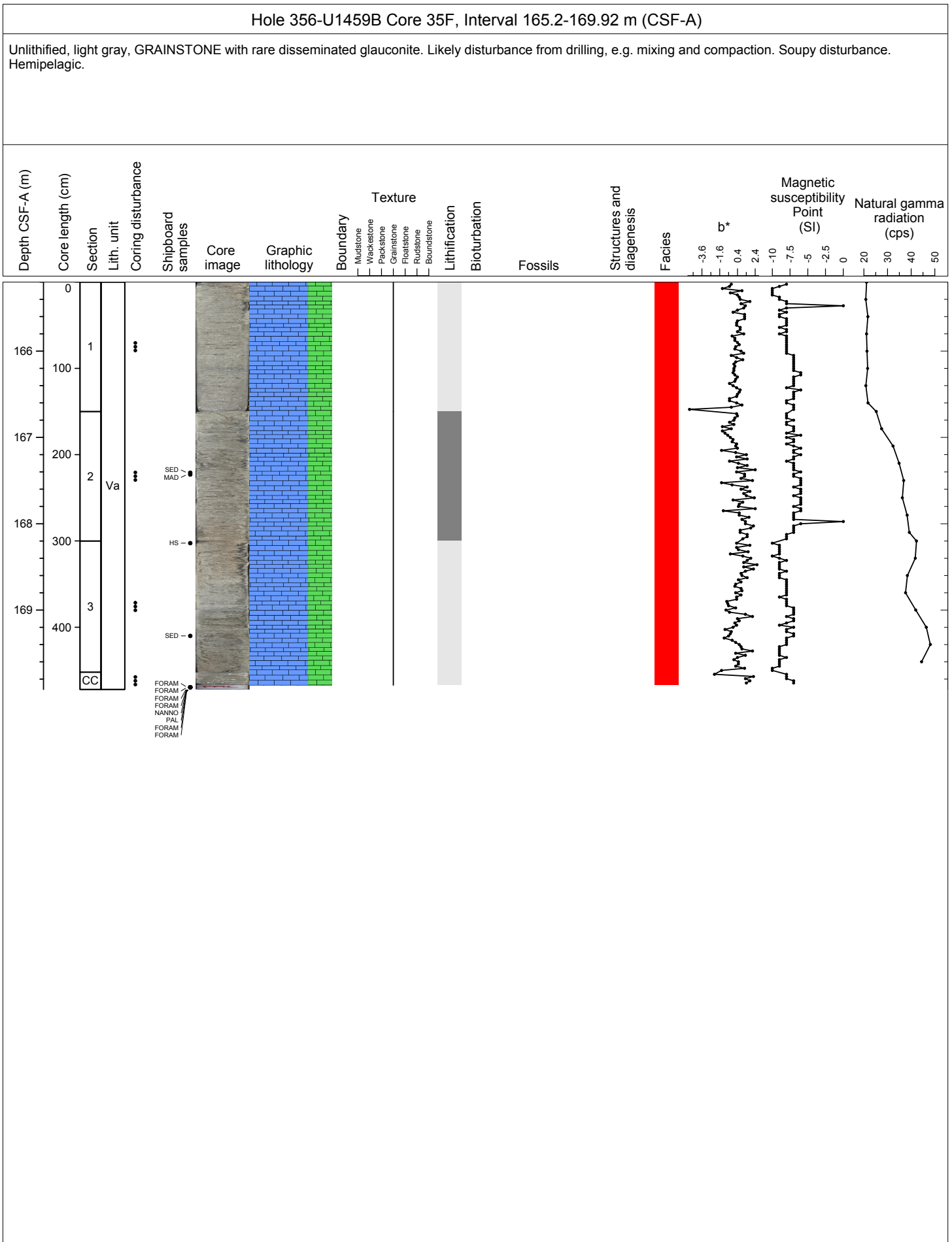


Hole 356-U1459B Core 33F, Interval 155.8-160.6 m (CSF-A)

Top to base: partially-lithified, light gray, PACKSTONE with slight disseminated glauconite (with possible banding of cream and light gray from 80-150 cm; bands ~5 cm thick), followed by "void". Void followed by partially- to fully-lithified, light gray, PACKSTONE with slight disseminated glauconite. PACKSTONE becomes GRAINSTONE, which has lithified/cemented intervals that contain dark bands with higher concentrations of glauconite. GRAINSTONE becomes unlithified, cream, WACKESTONE with mud; several intervals each ~5 cm thick in Section 3 are partially lithified. WACKESTONE becomes partially-lithified, cream, PACKSTONE with rare disseminated glauconite and then becomes partially-lithified, light gray, GRAINSTONE near base (suspected to have lost water/mud during coring, thus a lithology change near base). Slight coring disturbance. Hemipelagic.

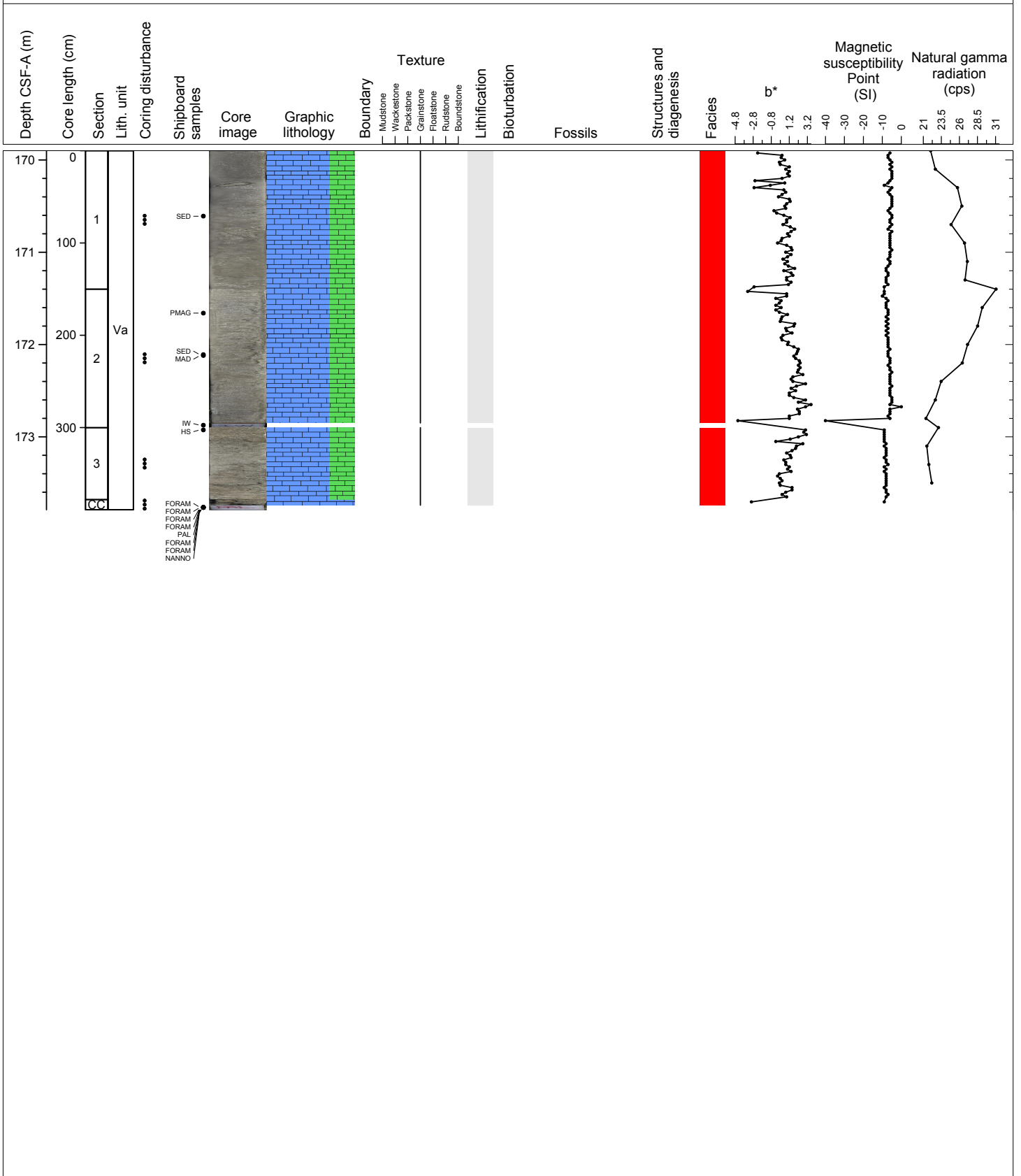






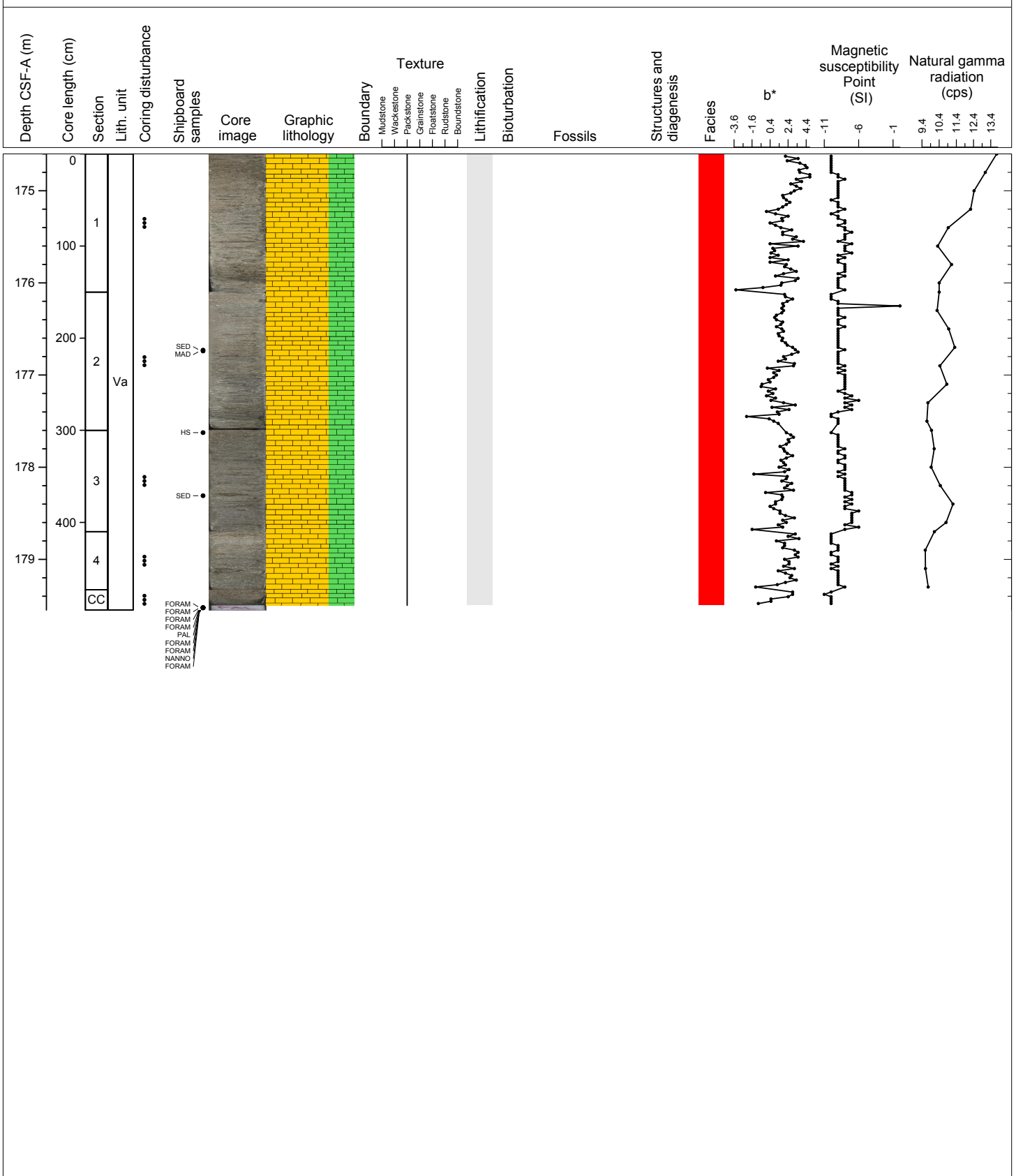
Hole 356-U1459B Core 36F, Interval 169.9-173.79 m (CSF-A)

Top to base: unlithified, creamy gray, GRAINSTONE with rare disseminated glauconite (small grains) becomes light gray and moderately compacted. Then, GRAINSTONE with moderate disseminated glauconite and mud. Return to creamy gray color near base. Moderate to severe disturbance. Hemipelagic.



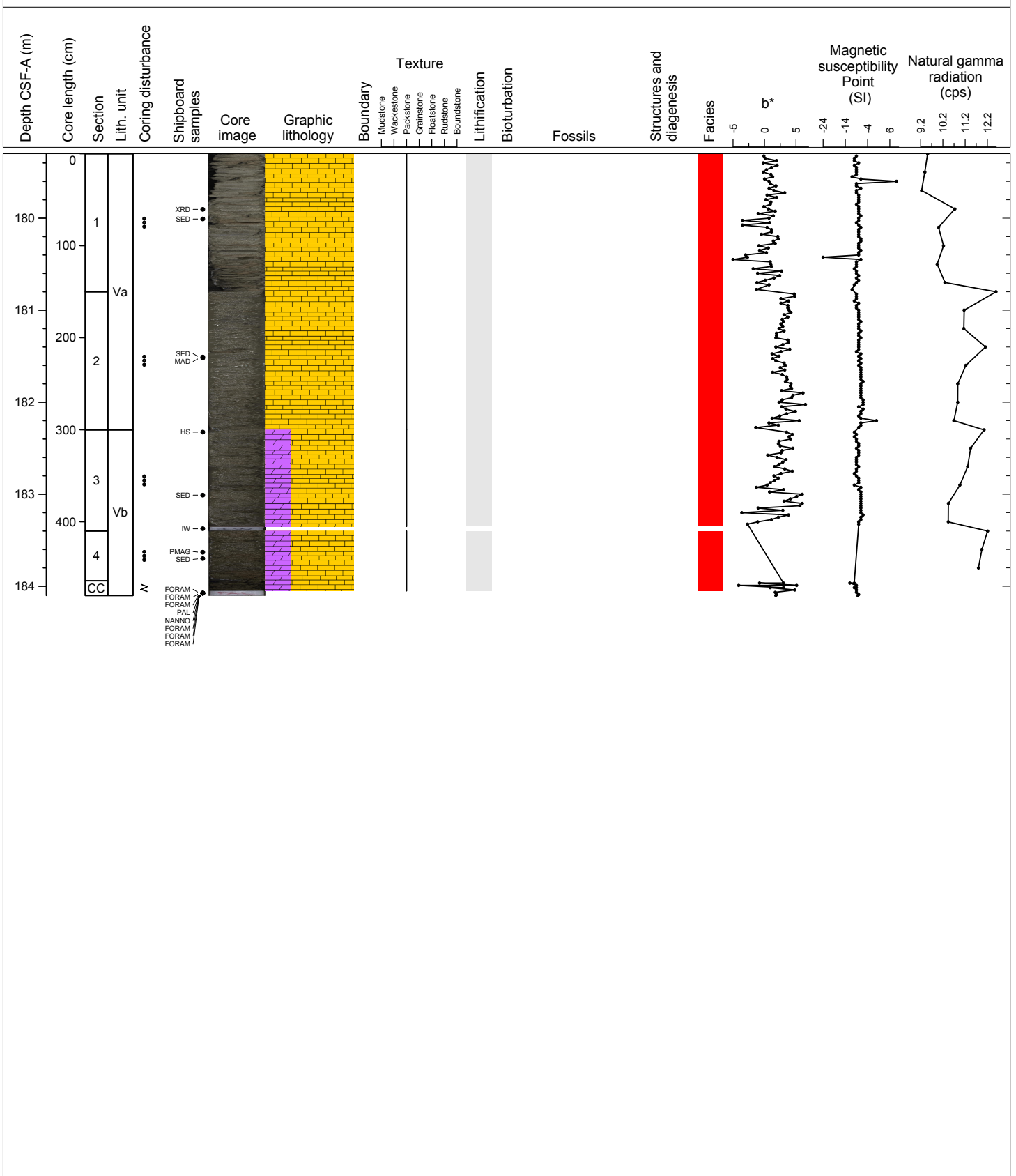
Hole 356-U1459B Core 37F, Interval 174.6-179.55 m (CSF-A)

Top to base: un lithified but compacted (likely due to drilling), creamy gray to cream, PACKSTONE with moderate disseminated glauconite. Hemipelagic. Soupy and moderate coring disturbance. Hemipelagic.



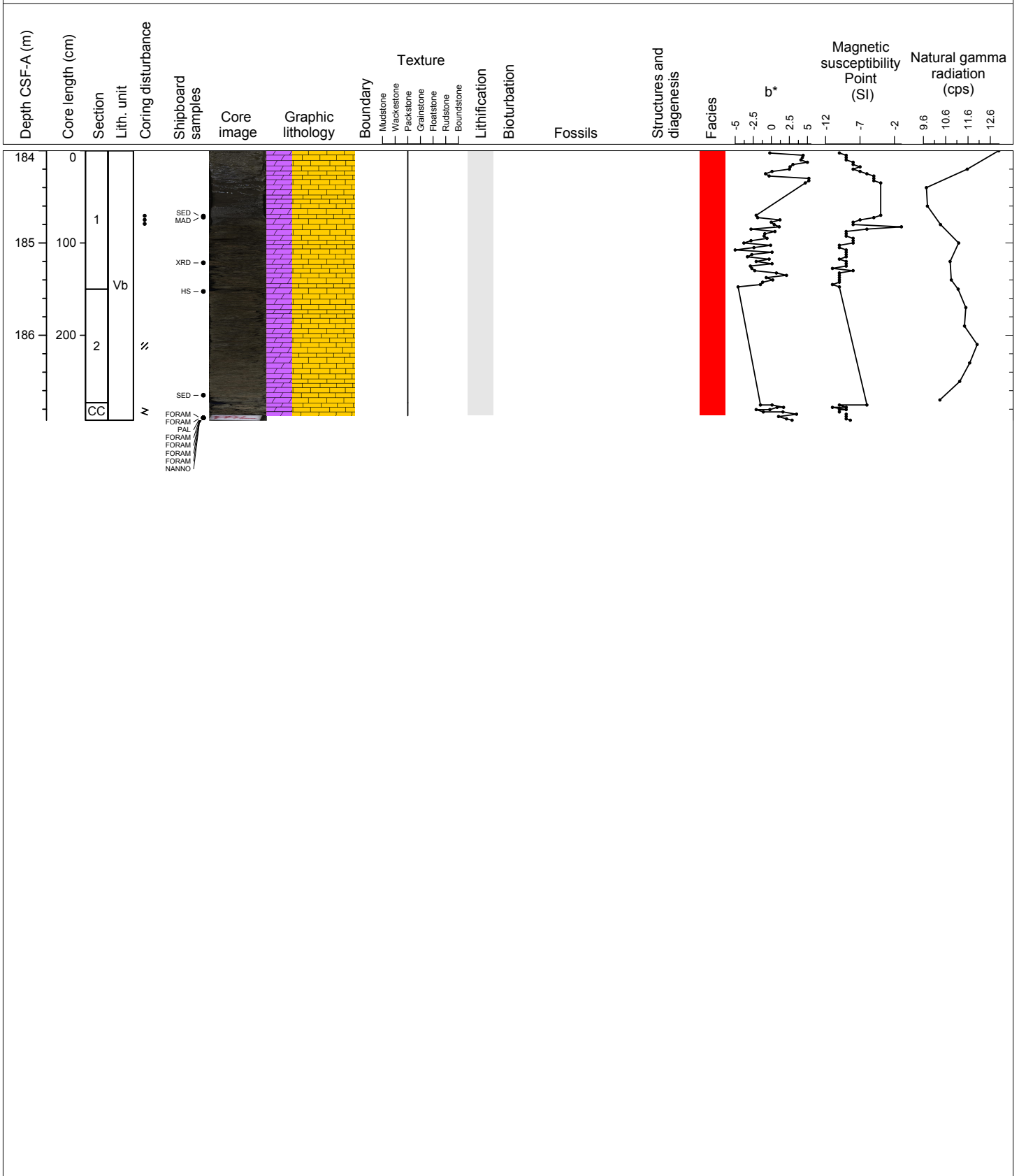
Hole 356-U1459B Core 38F, Interval 179.3-184.1 m (CSF-A)

Top to base: unlithified but compacted (likely due to drilling) PACKSTONE with dolomite and moderate mud becomes a dolomitic PACKSTONE (smear slide observations) with rare mud. Throughout section, gradually grades from light brown to brown to dark brown to light brown to brown. Hemipelagic. Slight to moderate (soupy) coring disturbance. Hemipelagic.



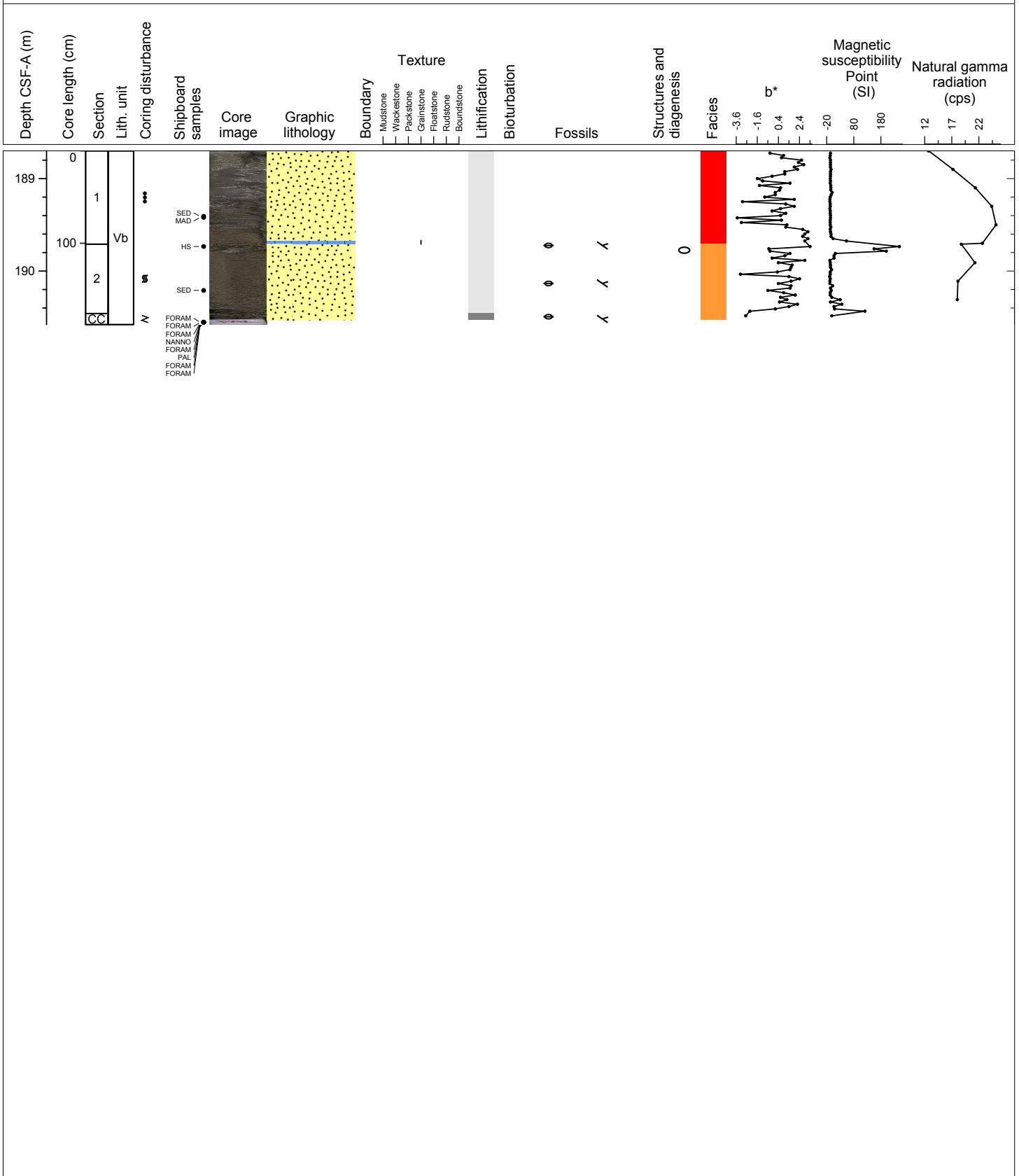
Hole 356-U1459B Core 39F, Interval 184.0-186.92 m (CSF-A)

Top to base: unlithified to partially-lithified and compacted, greenish brown, dolomitic, PACKSTONE contains some small unidentified carbonate grains (may be contamination along the margins of the core liner) becomes dark greenish brown and then greenish brown with depth. Slight to moderate disturbance. Hemipelagic.



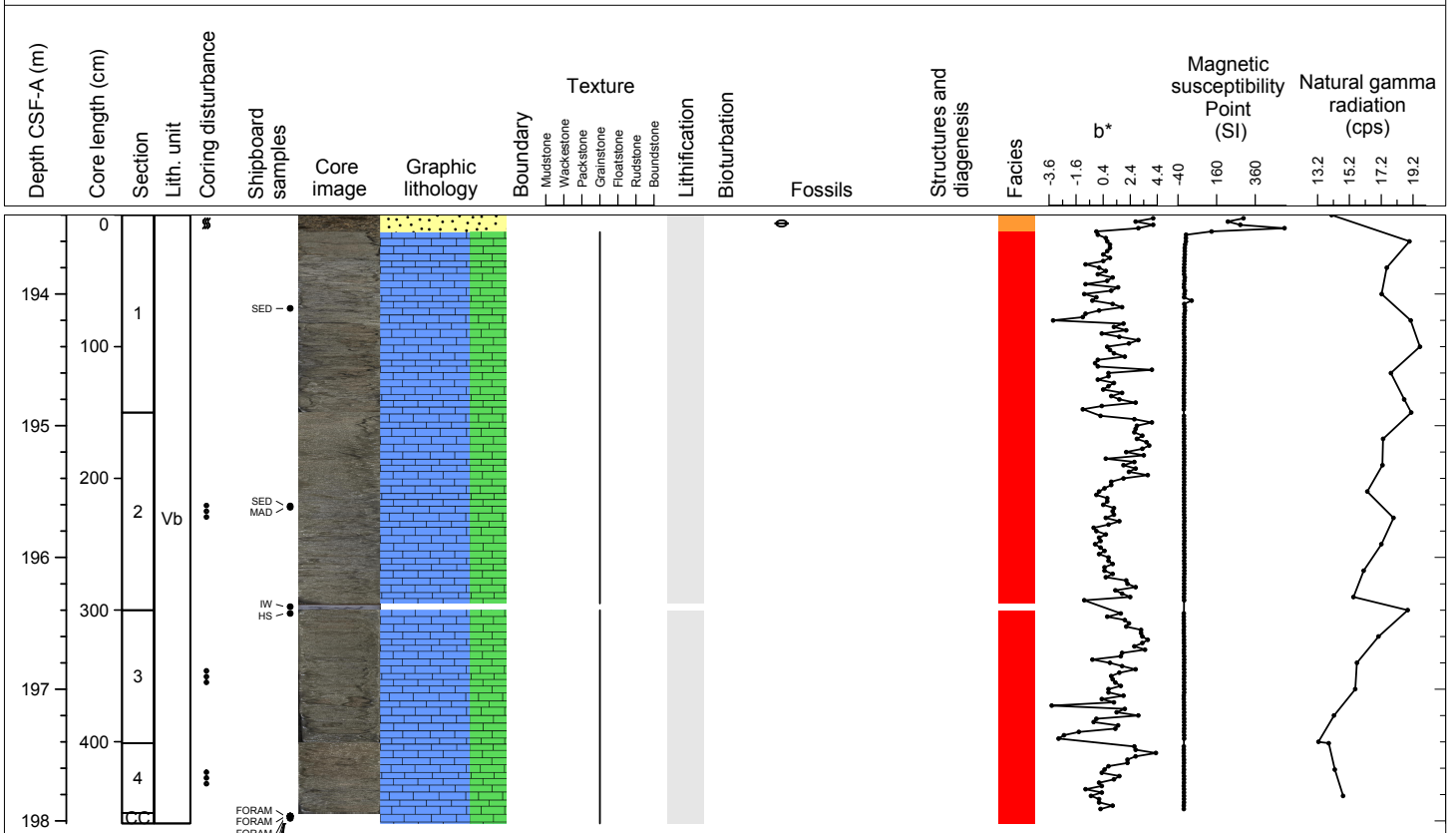
Hole 356-U1459B Core 40F, Interval 188.7-190.58 m (CSF-A)

Top to base: unlithified, dark grayish-green, quartz-rich, SANDSTONE (fine-grained, very well sorted), followed by an interval of coarse sand/gravel particles (beige, brown, some hematite coated; includes bivalve fragments and sponge spicules). Returns to fine-grained, well-sorted, light brown to greenish-gray, quartz-rich sand with some of the sand/gravel material and a creamy gray concretion. Interval of quartz-rich sand without sand/gravel, followed by an interval of sand/gravel. The section ends with partially-lithified, fine-grained, well-sorted, quartz-rich, SANDSTONE with sand/gravel grains.



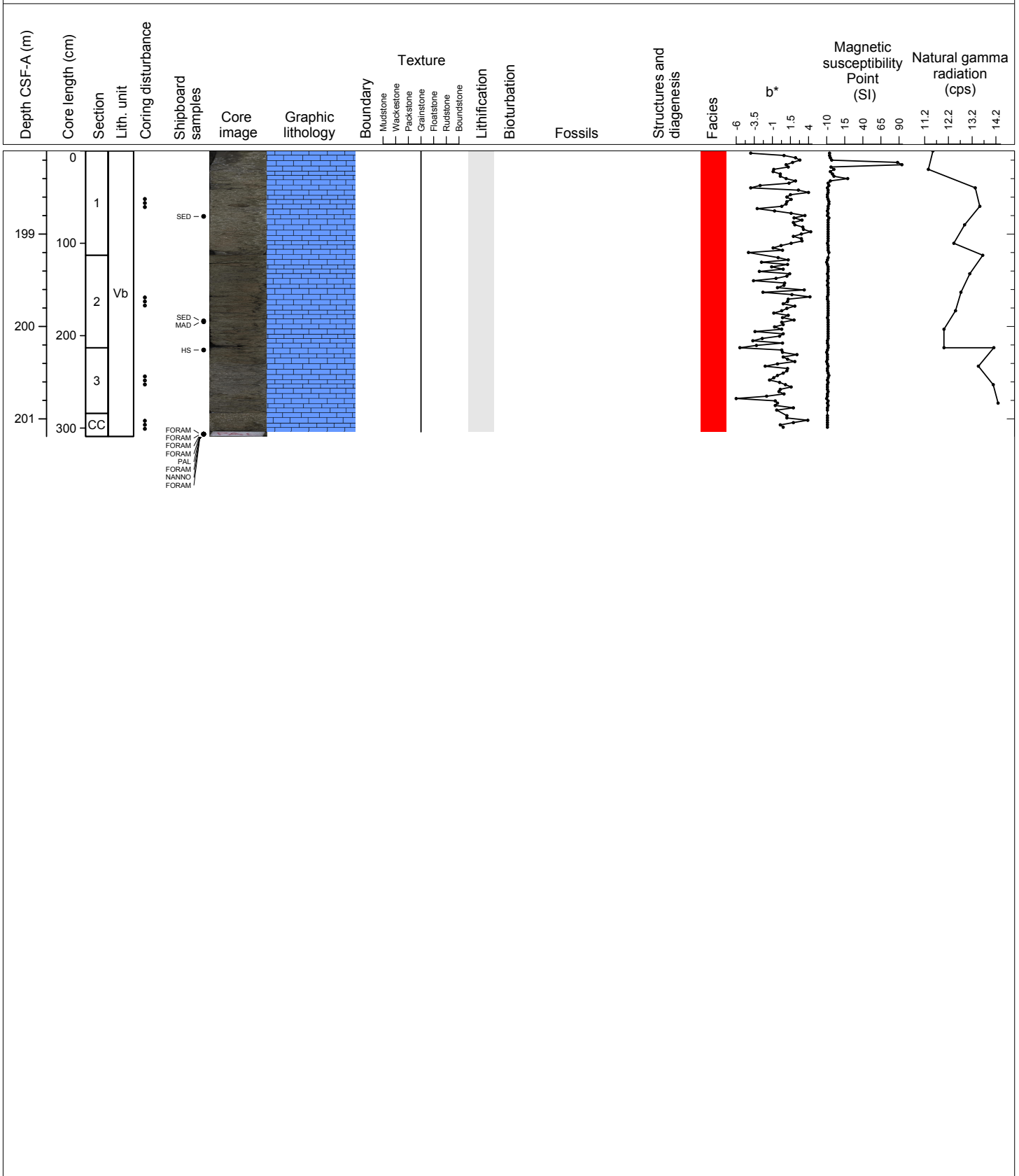
Hole 356-U1459B Core 41F, Interval 193.4-198.02 m (CSF-A)

Unlithified, mixed GRAVEL (beige, gray, some hematite coated grains, bivalve fragments) followed by unlithified, light gray, GRAINSTONE with glauconite, which becomes unlithified, light gray, GRAINSTONE with dolomite. Near the base, there is a return of glauconite but no longer 'with dolomite'. Slight coring disturbance. Neritic to hemipelagic.



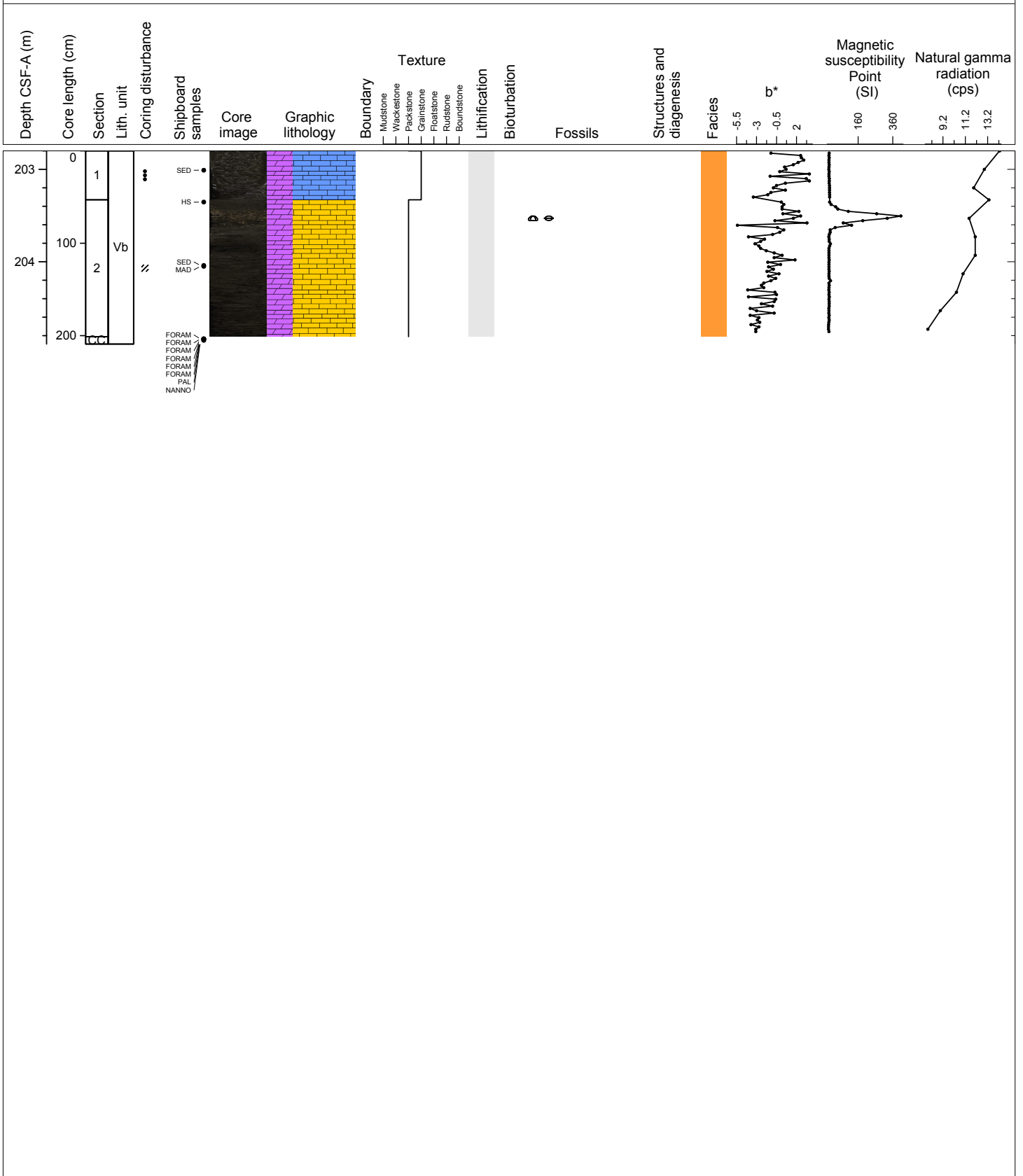
Hole 356-U1459B Core 42F, Interval 198.1-201.19 m (CSF-A)

Unlithified, light gray, GRAINSTONE (very fine grained, well sorted, sand sized). Slight coring disturbance. Hemipelagic.



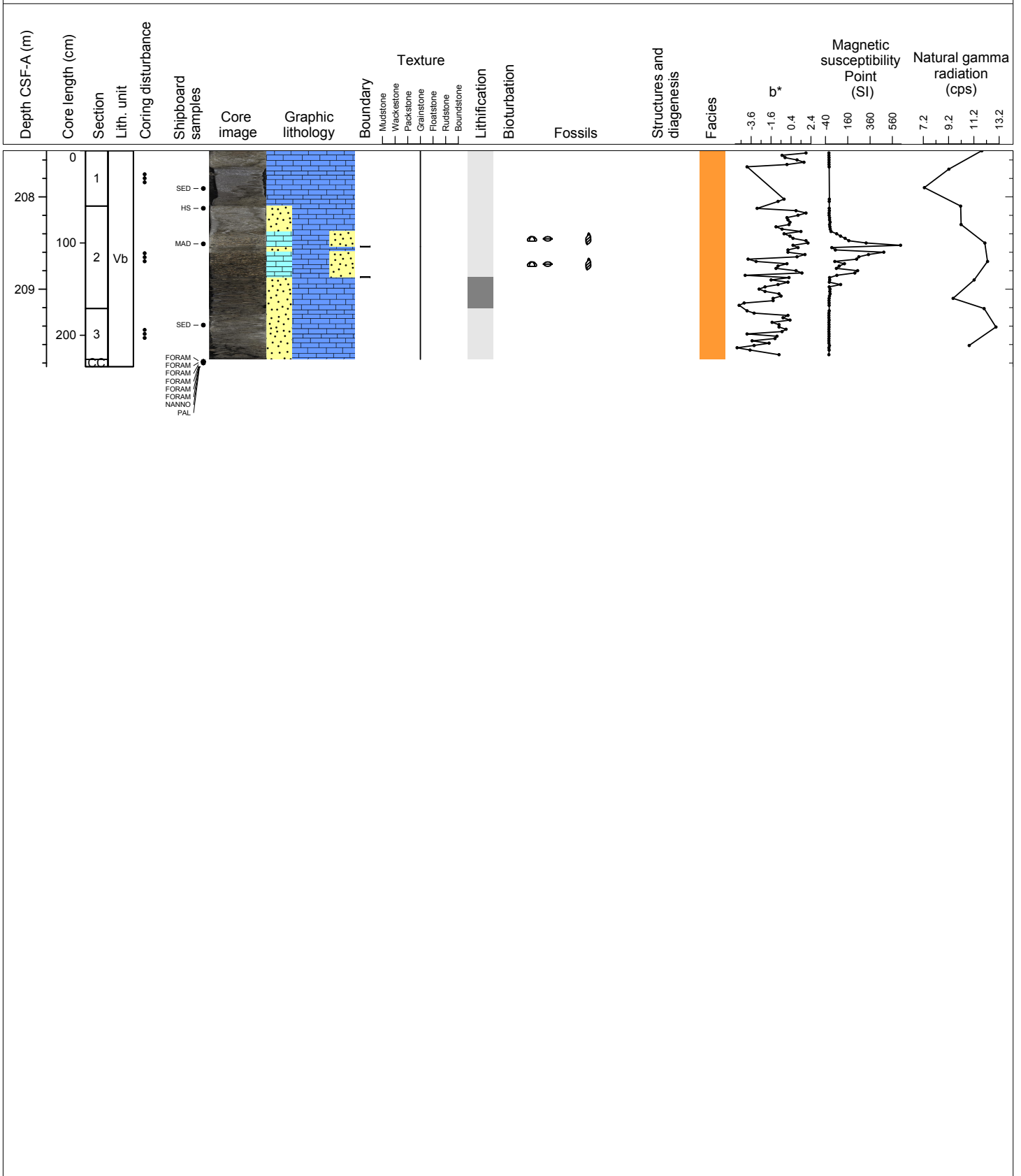
Hole 356-U1459B Core 43F, Interval 202.8-204.89 m (CSF-A)

Top to base: unlithified, brown, dolomitic, GRAINSTONE turns to PACKSTONE. Interrupted with gravel interval containing bivalves, echinoderms, and hematite-coated grains. Transitions to unlithified, brown, dolomitic, PACKSTONE. Slight coring disturbance. Neritic.



Hole 356-U1459B Core 44F, Interval 207.5-209.84 m (CSF-A)

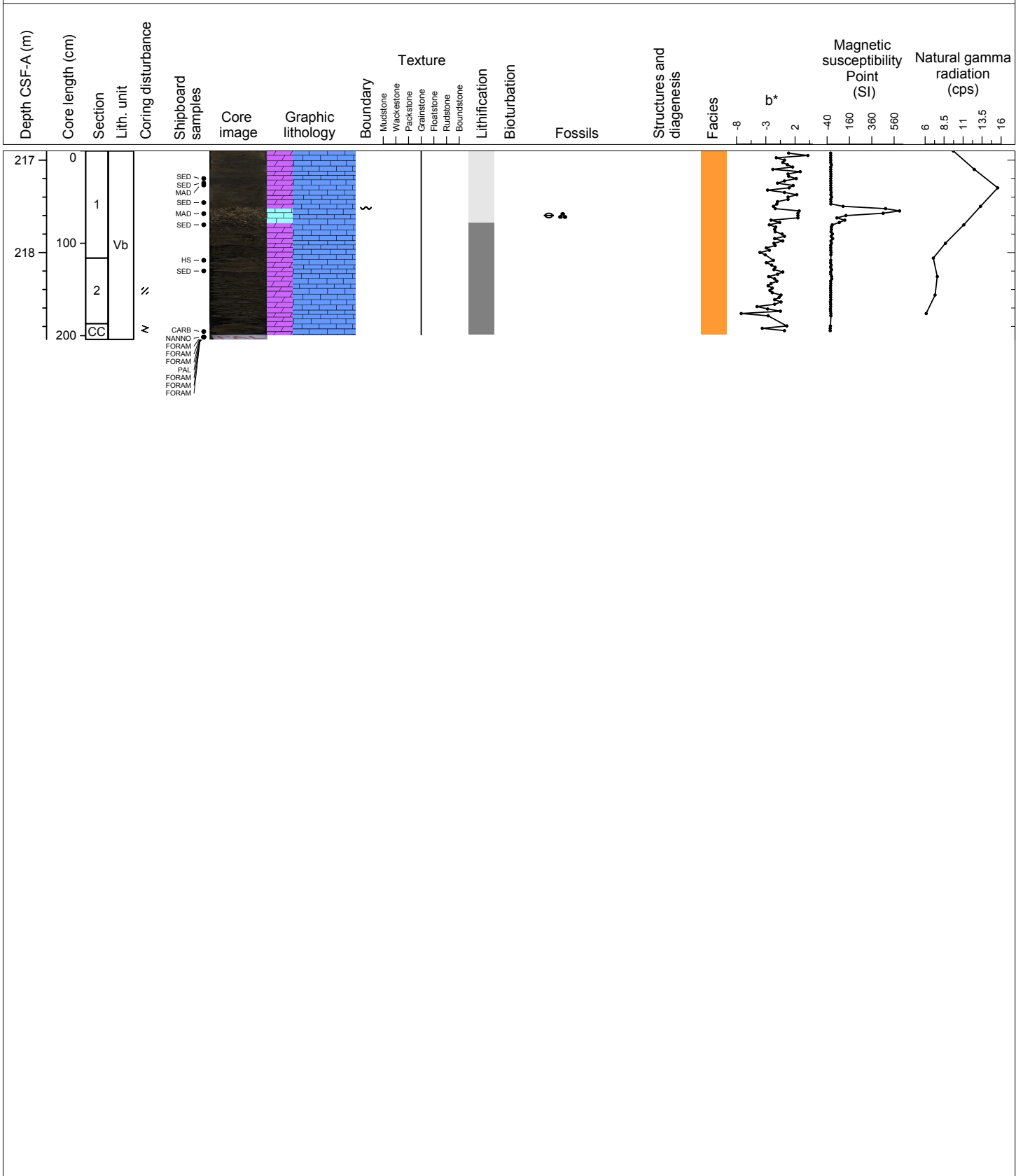
Top to base: unlithified, light gray, GRAINSTONE becomes quartz rich. Interrupted by unlithified, cream to light gray, skeletal, gravel-sized GRAINSTONE containing bivalves, gastropods and urchin spines. Returns to unlithified, light gray, quartz-rich, GRAINSTONE followed by a second interval of the skeletal gravel GRAINSTONE. After gravel, becomes partially-lithified, dark gray, GRAINSTONE, which turns to partially-lithified to unlithified, light gray, quartz-rich, GRAINSTONE. Coring disturbance is severe in the upper part of the core and slight in the lower part. Neritic.



NO RECOVERY															Hole 356-U1459B Core 45F, Interval 212.2-212.2 m (CSF-A)																							
No recovery.																																						
Depth CSF-A (m)	Core length (cm)	Section	Lith. unit	Coring disturbance	Shipboard samples	Core image	Graphic lithology	Boundary	Mudstone	Wackestone	Packstone	Grainstone	Floatstone	Rudstone	Boundstone	Lithification	Bioturbation	Fossils	Structures and diagenesis	Facies	Magnetic susceptibility Point (SI)					Natural gamma radiation (cps)												
																					0	0.25	0.5	0.75	1	0	0.25	0.5	0.75	1	0	0.25	0.5	0.75	1			
208																																						
209																																						

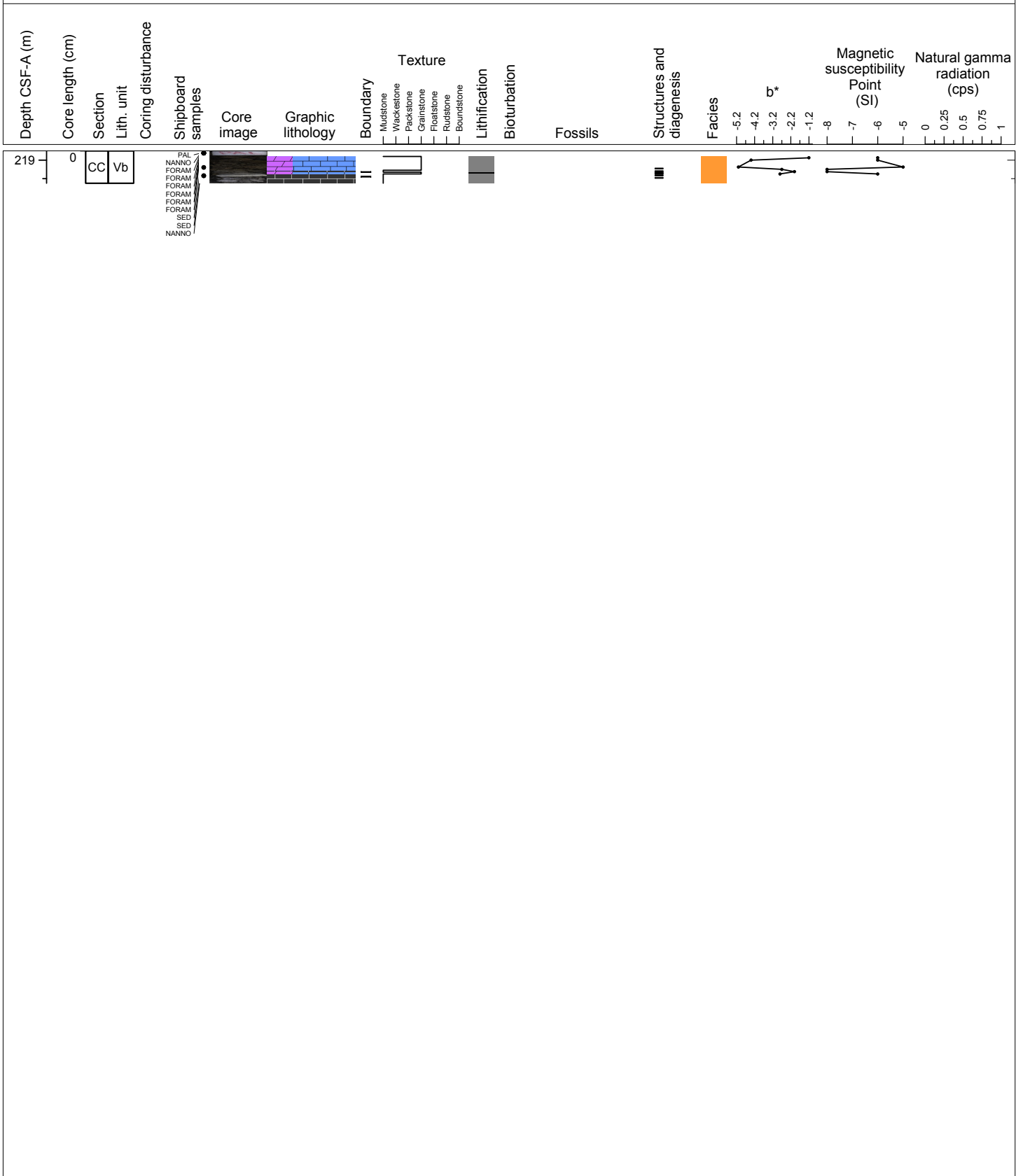
Hole 356-U1459B Core 46F, Interval 216.9-218.94 m (CSF-A)

Top to base: un lithified to partially-lithified, dark brown, dolomitic, GRAINSTONE interrupted by un lithified, skeletal, GRAINSTONE containing cream to light gray grains including bivalve fragments and benthic foraminifers Returns to partially-lithified, dark brown, dolomitic, GRAINSTONE. Partial, slight drilling disturbance. Neritic.



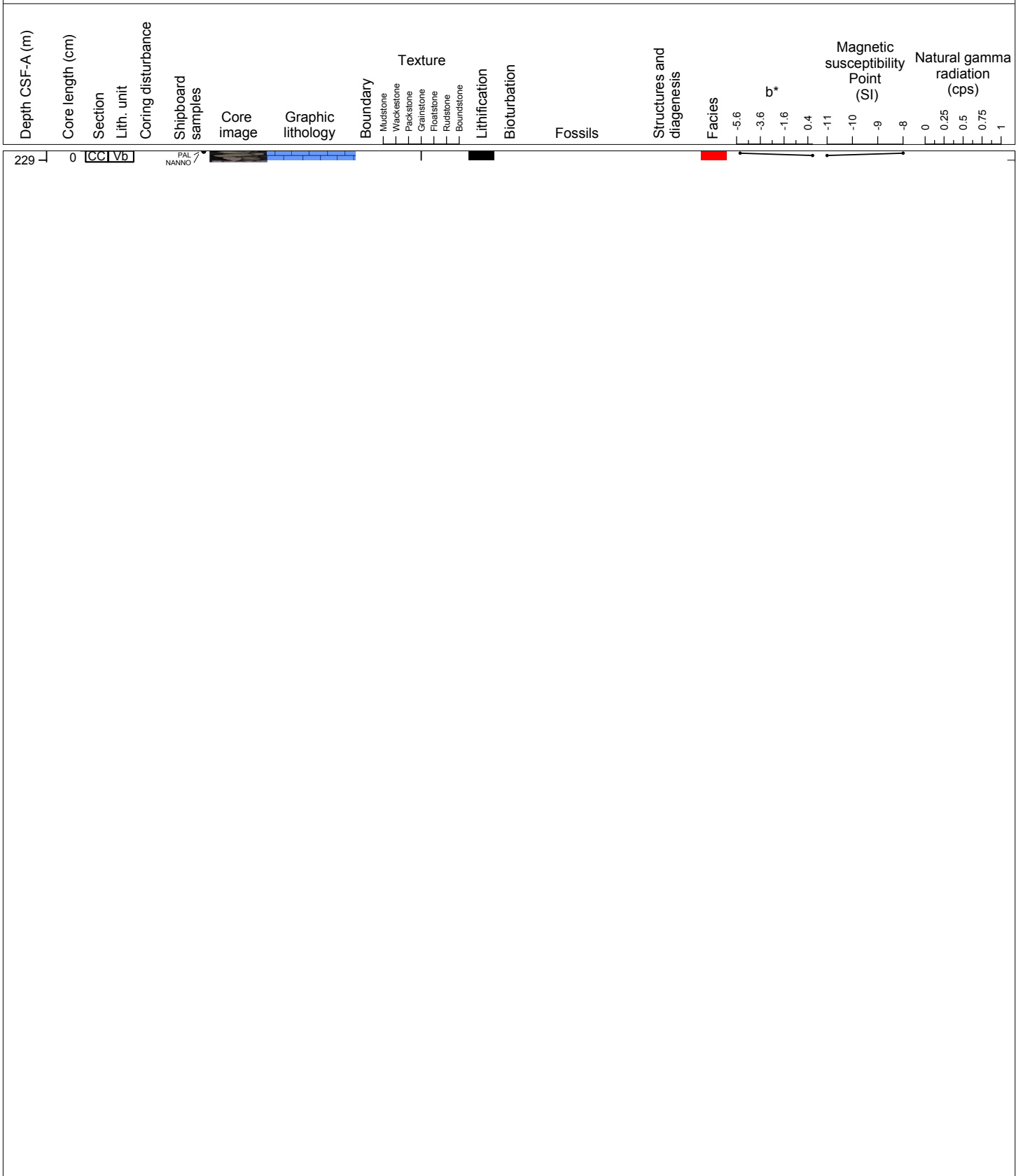
Hole 356-U1459B Core 47X, Interval 218.9-219.25 m (CSF-A)

Top to base: partially-lithified, dark brown, dolomitic, GRAINSTONE ends with a sharp, inclined contact with underlying partially-lithified, light gray, (homogenous) MUDSTONE. Below the MUDSTONE, lithified, light gray, dolomitic, GRAINSTONE has a sharp, subhorizontal contact with underlying partially-lithified, light gray, MUDSTONE containing parallel laminations. Laminated MUDSTONE followed by partially-lithified, light gray, MUDSTONE rubble (likely a continuation of the laminated material above). No visible disturbance. Neritic.



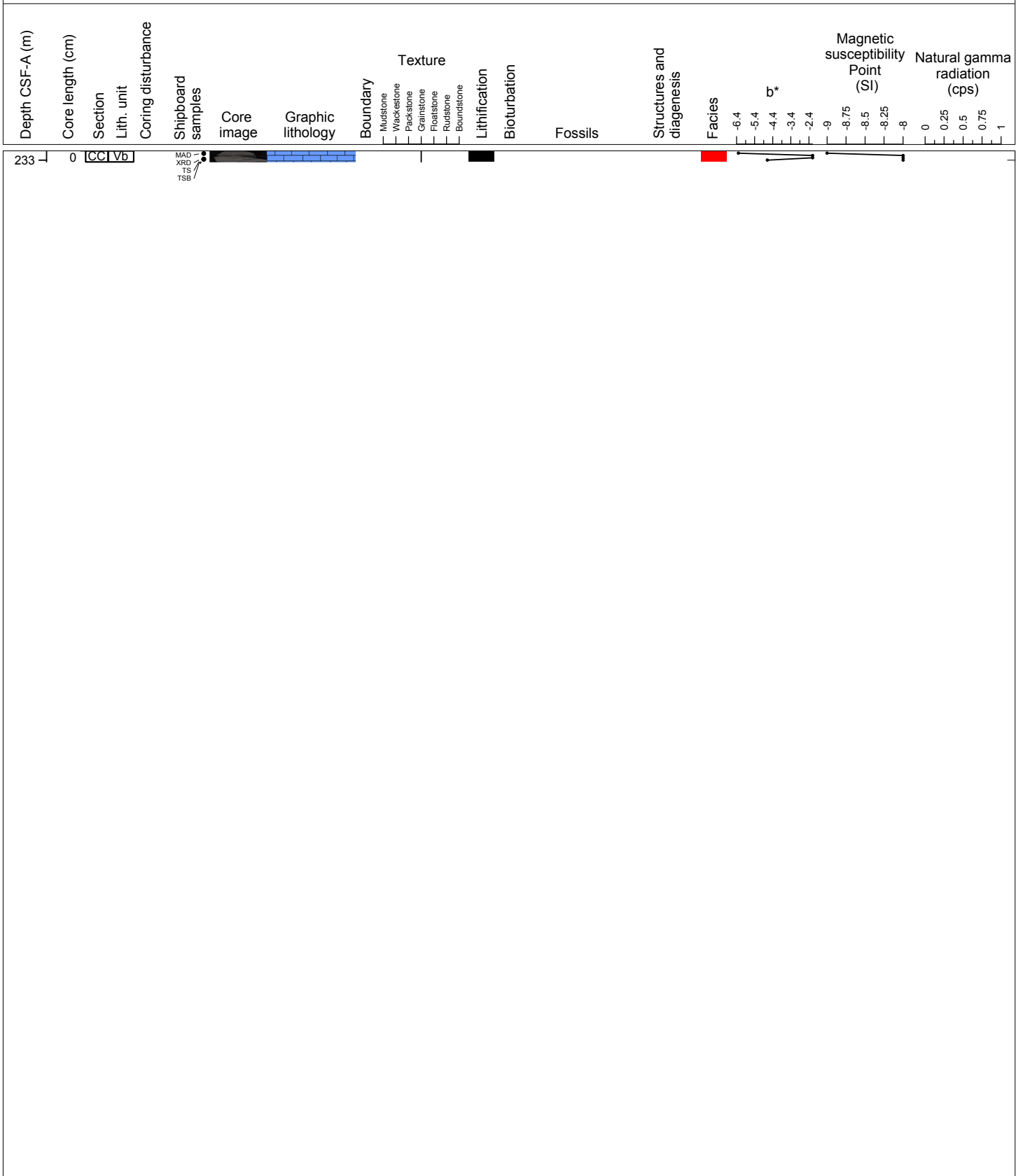
Hole 356-U1459B Core 49X, Interval 228.9-229.02 m (CSF-A)

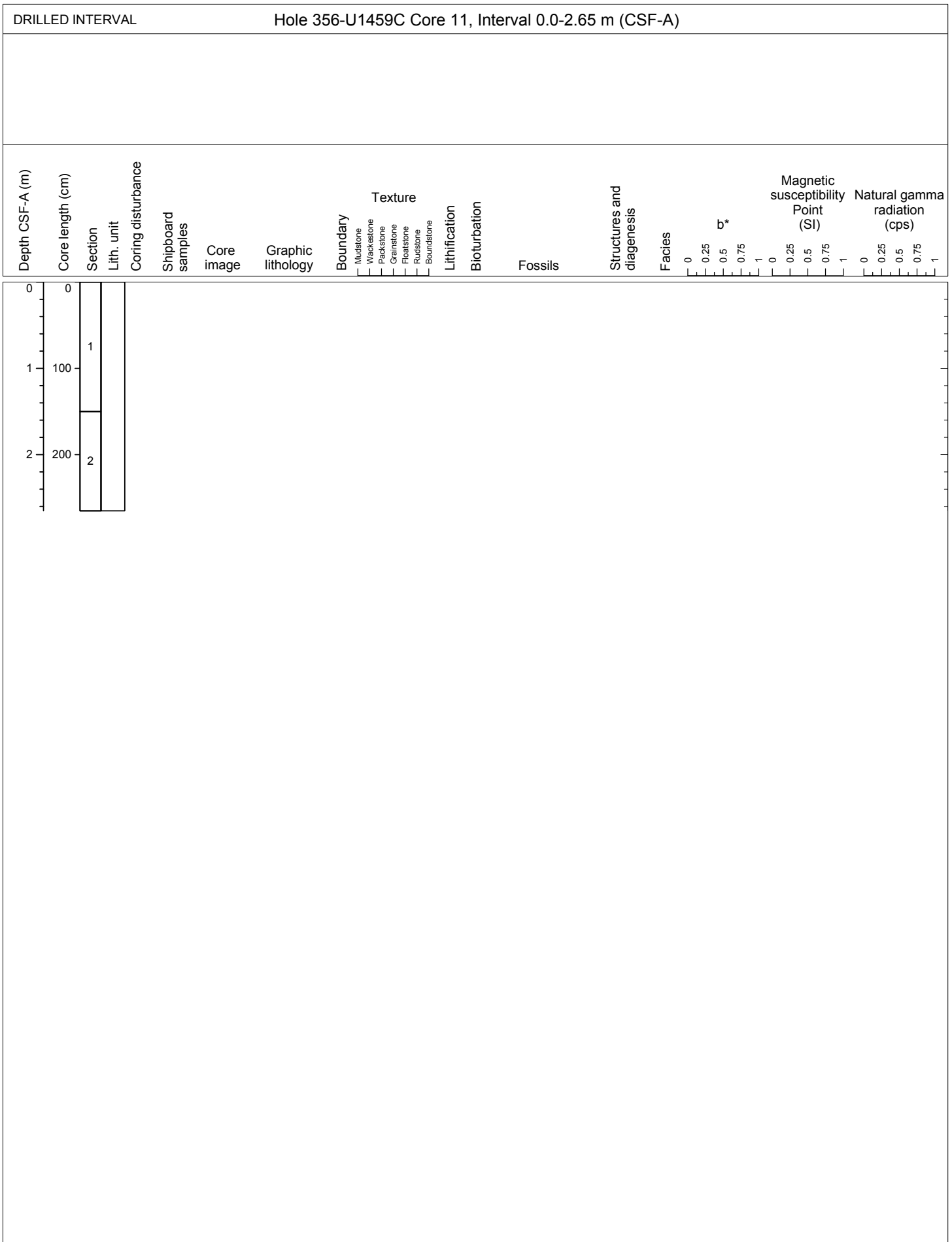
Lithified, creamy gray, GRAINSTONE Only core catcher recovered.



Hole 356-U1459B Core 50X, Interval 232.9-233.02 m (CSF-A)

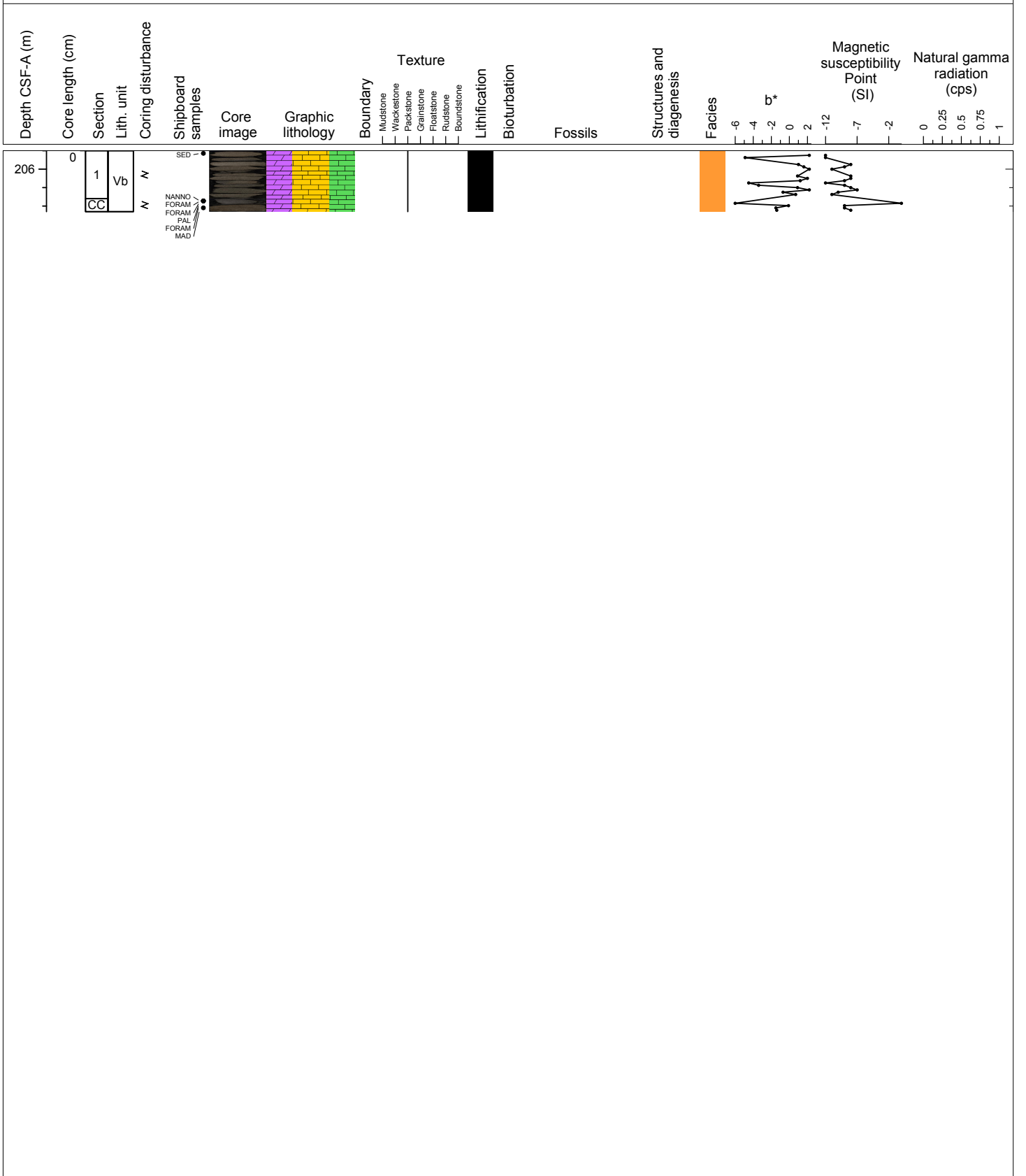
Lithified, light gray, GRAINSTONE Only core catcher recovered.





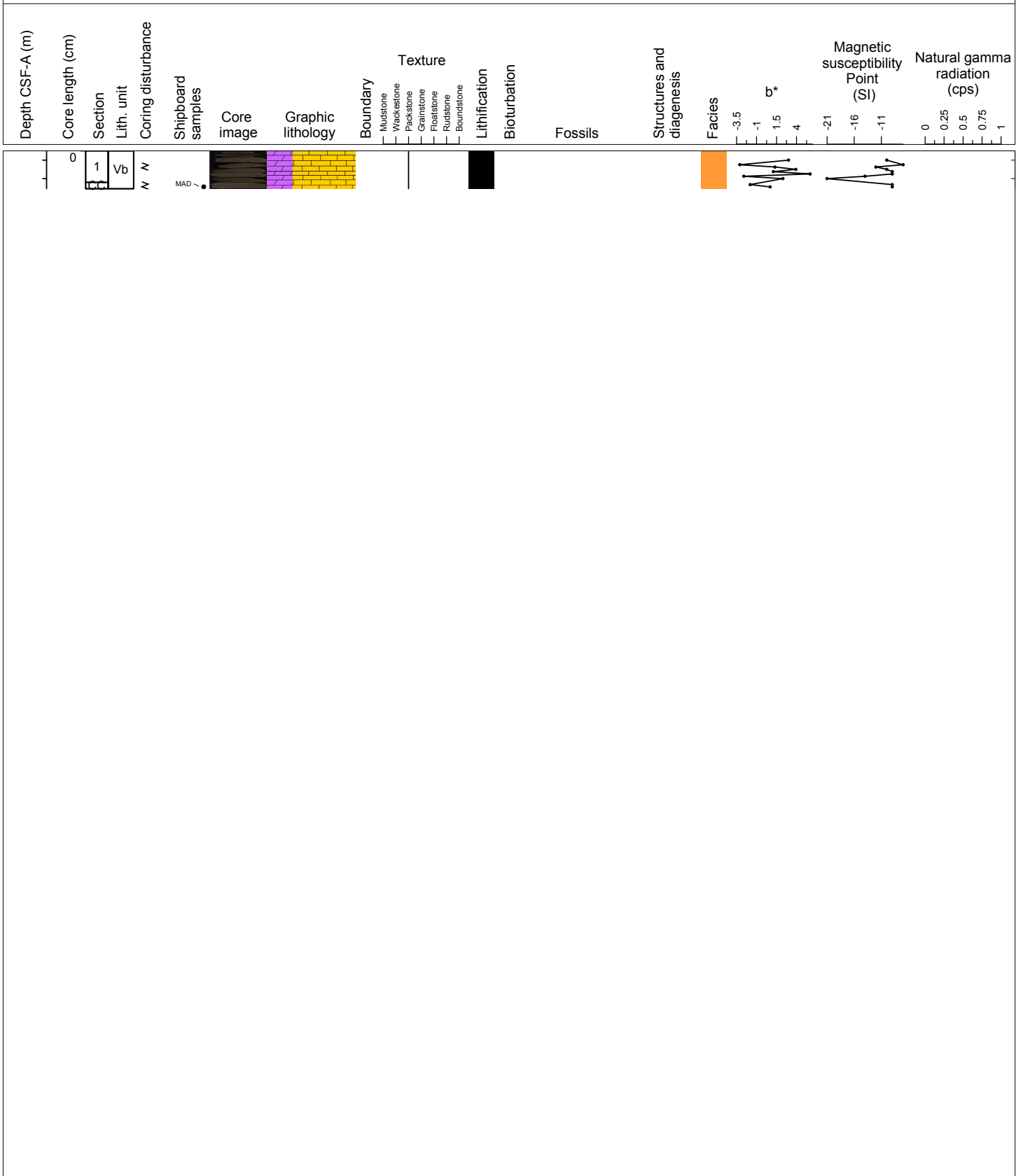
Hole 356-U1459C Core 2R, Interval 205.8-206.46 m (CSF-A)

Lithified, light greenish-gray, dolomitic, PACKSTONE with glauconite. Neritic.



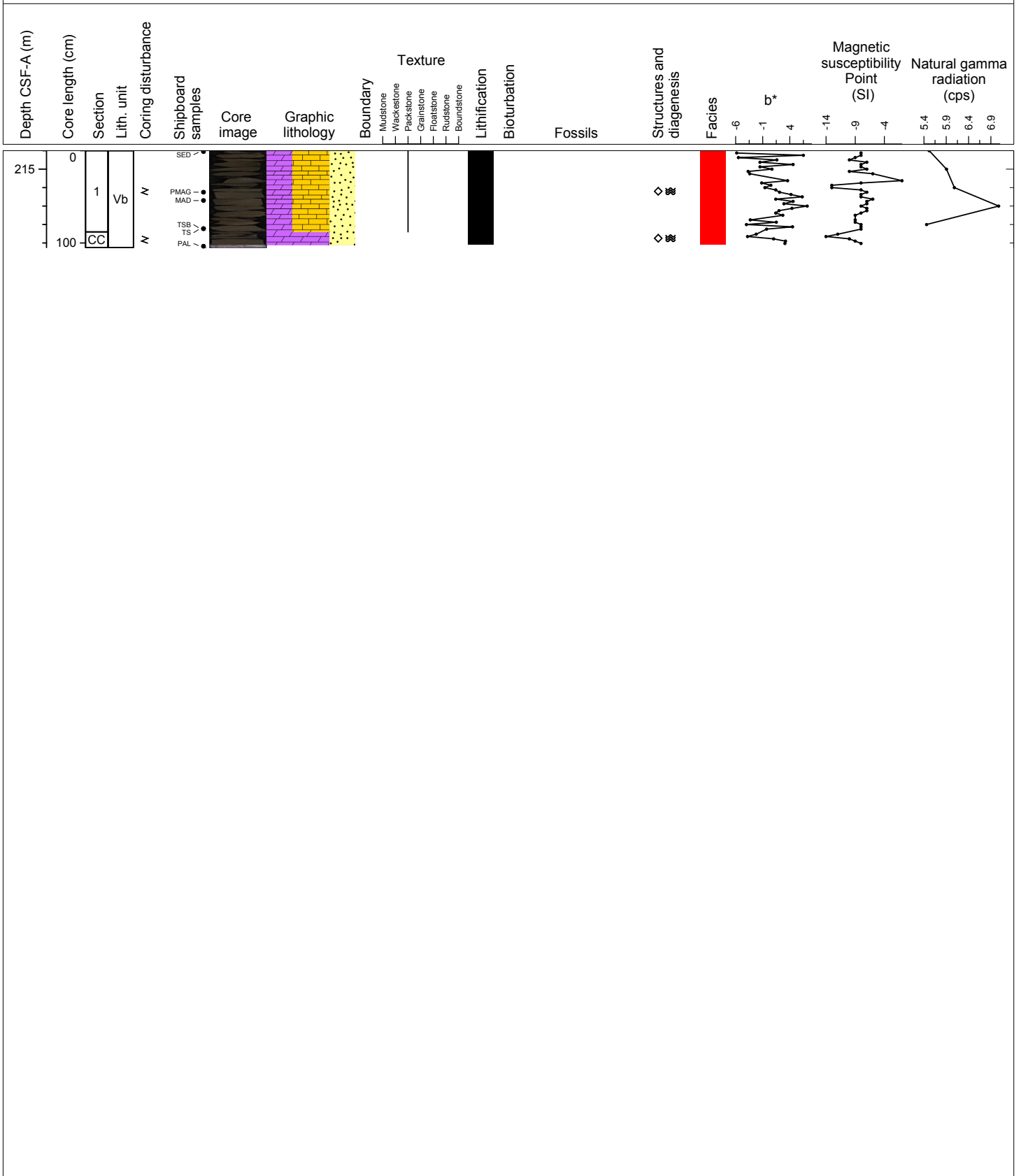
Hole 356-U1459C Core 3R, Interval 210.3-210.71 m (CSF-A)

Lithified, light grayish-green, dolomitic, PACKSTONE. Neritic.



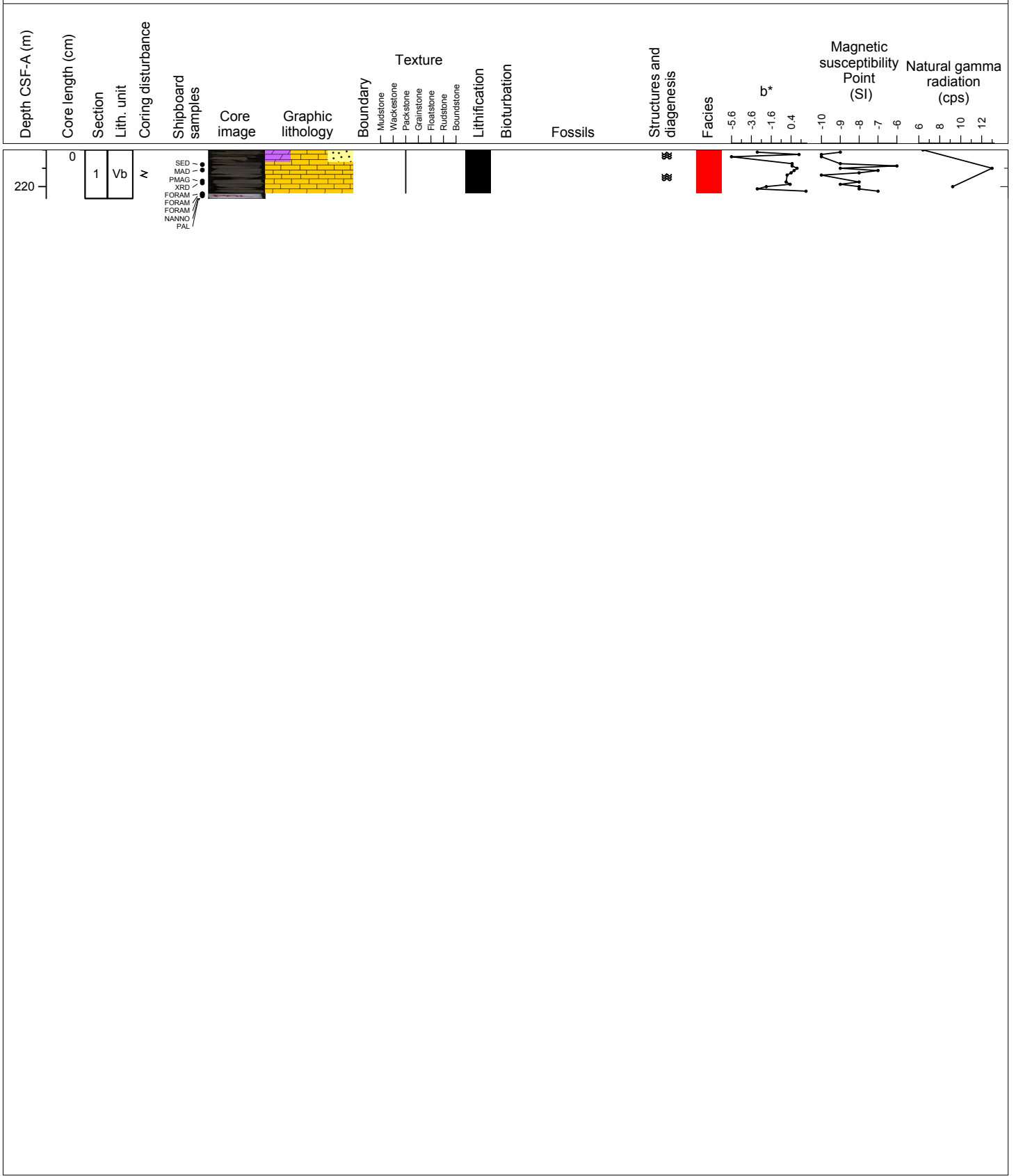
Hole 356-U1459C Core 4R, Interval 214.8-215.85 m (CSF-A)

Lithified, dark greenish-gray, PACKSTONE and DOLOSTONE with sand. Wavy laminations and intraclasts present. Hemipelagic. Core was fragmented during drilling and recovery.



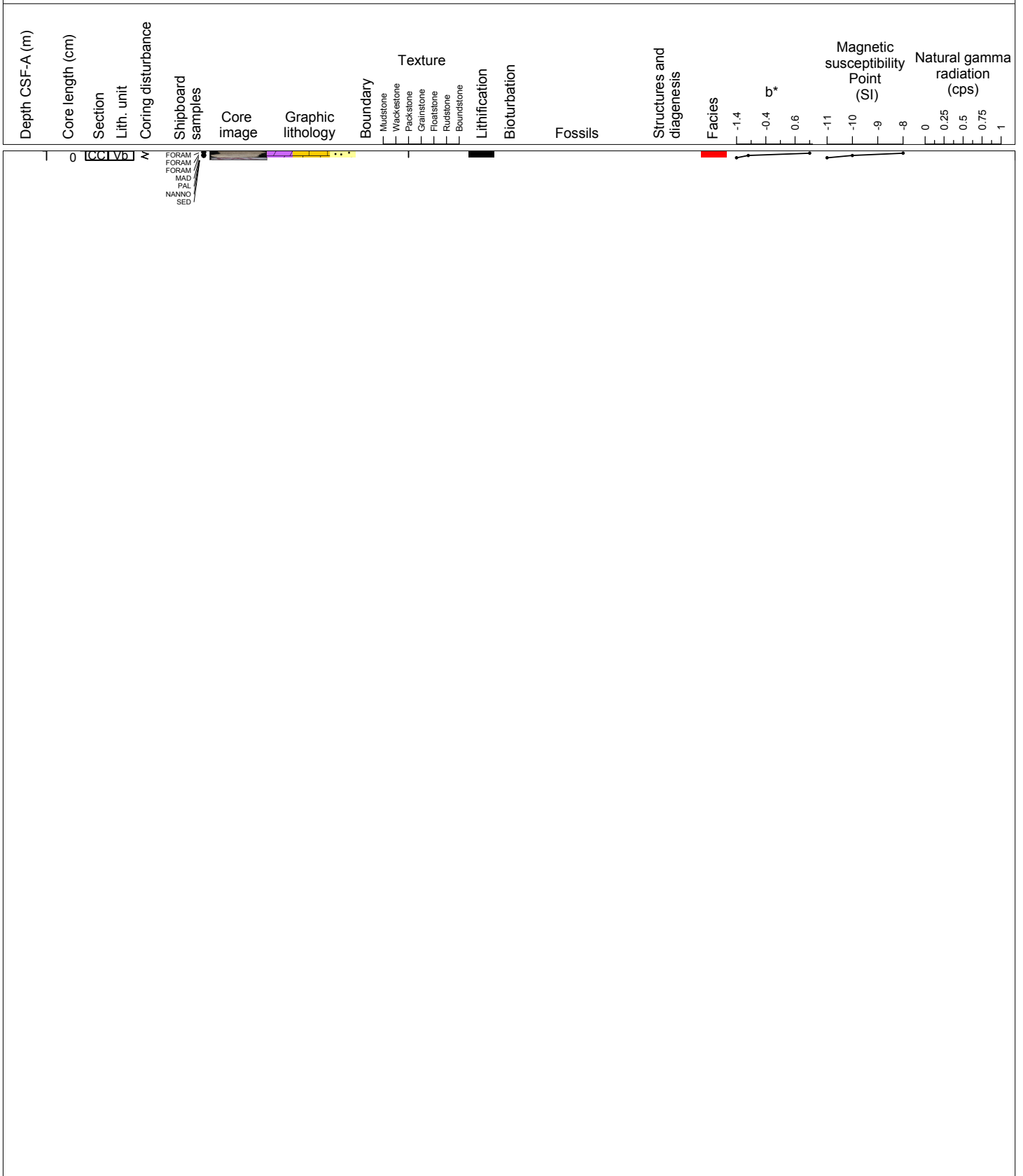
Hole 356-U1459C Core 5R, Interval 219.6-220.13 m (CSF-A)

Top to base: lithified, light grayish-green, dolomitic, PACKSTONE with quartz turns into lithified, light greenish-gray, PACKSTONE with several wavy laminations. Hemipelagic.



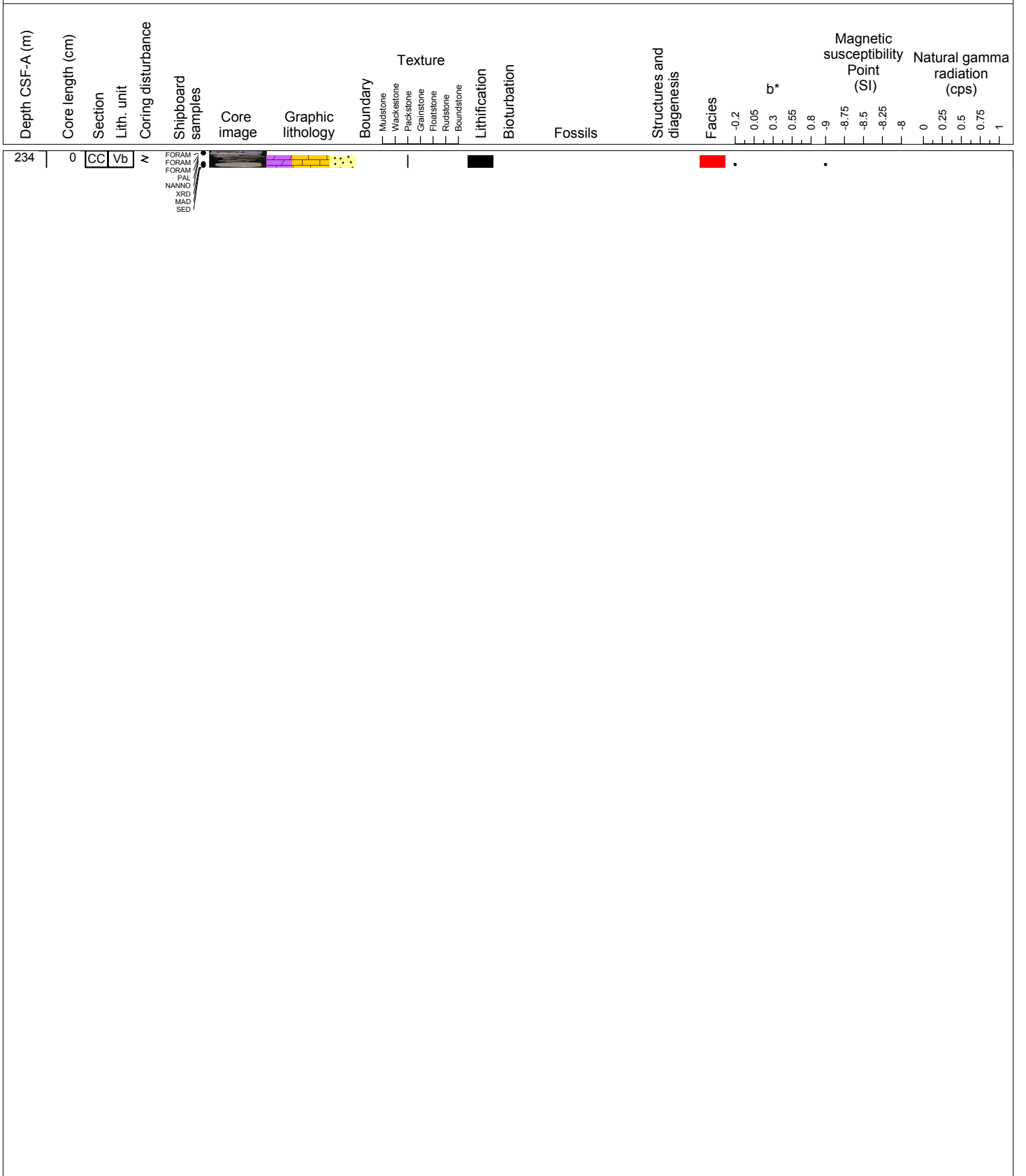
Hole 356-U1459C Core 7R, Interval 229.2-229.3 m (CSF-A)

Lithified, creamy gray, dolomitic, PACKSTONE with quartz. Hemipelagic. Only fragments were recovered in the core catcher.



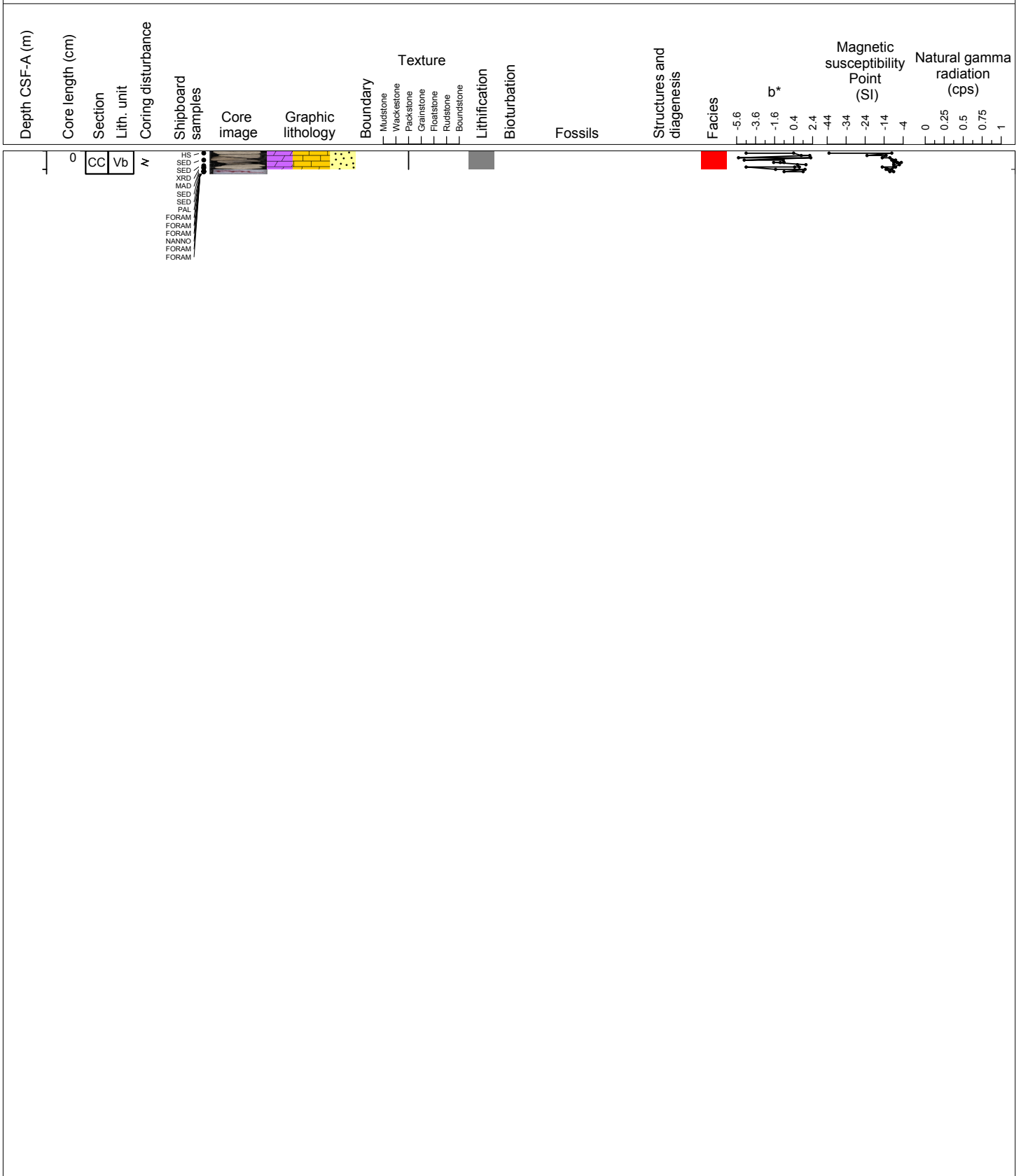
Hole 356-U1459C Core 8R, Interval 234.0-234.18 m (CSF-A)

Lithified, cream, dolomitic, PACKSTONE with quartz. Hemipelagic. Only fragments were recovered in the core catcher.



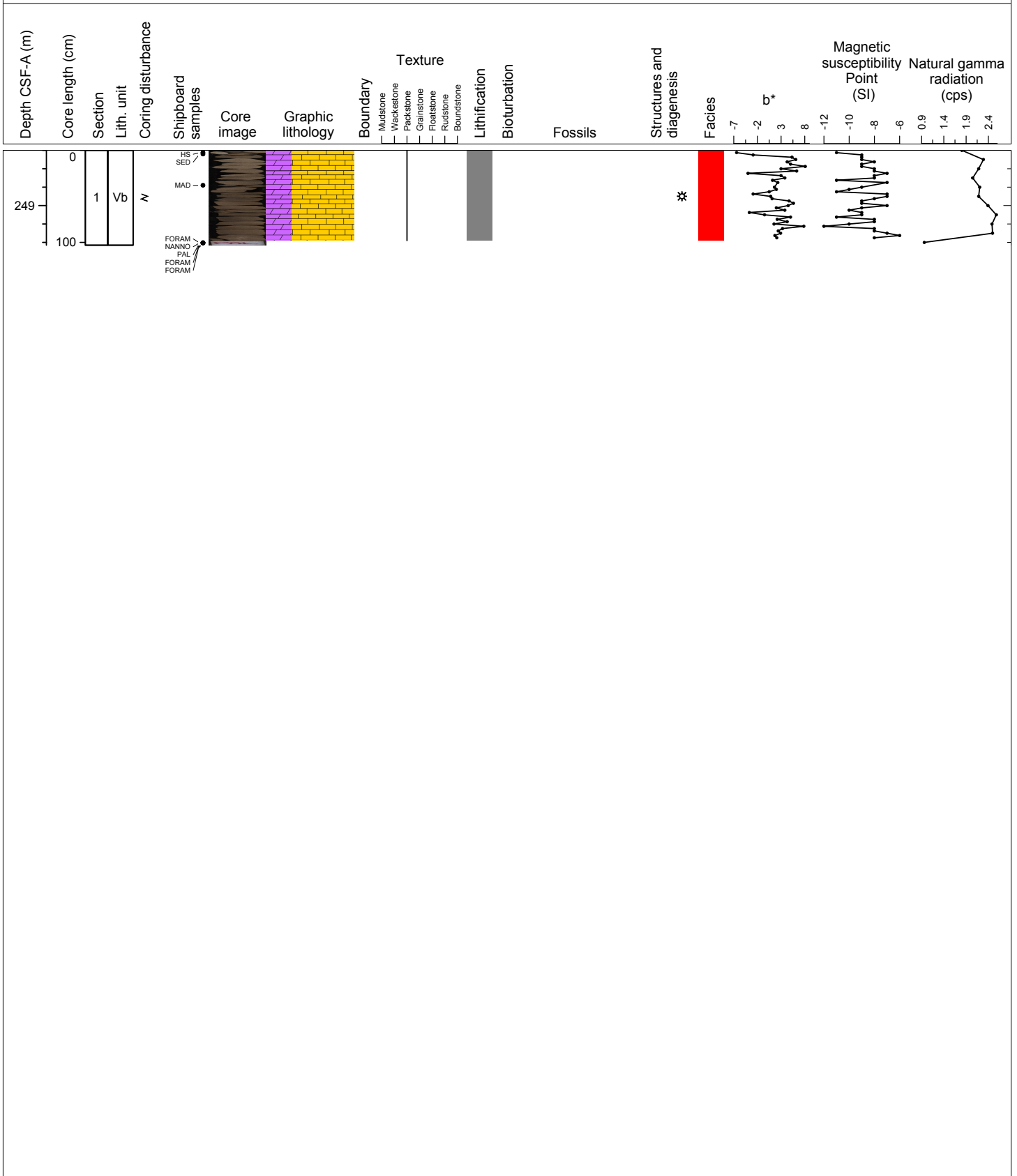
Hole 356-U1459C Core 10R, Interval 243.6-243.85 m (CSF-A)

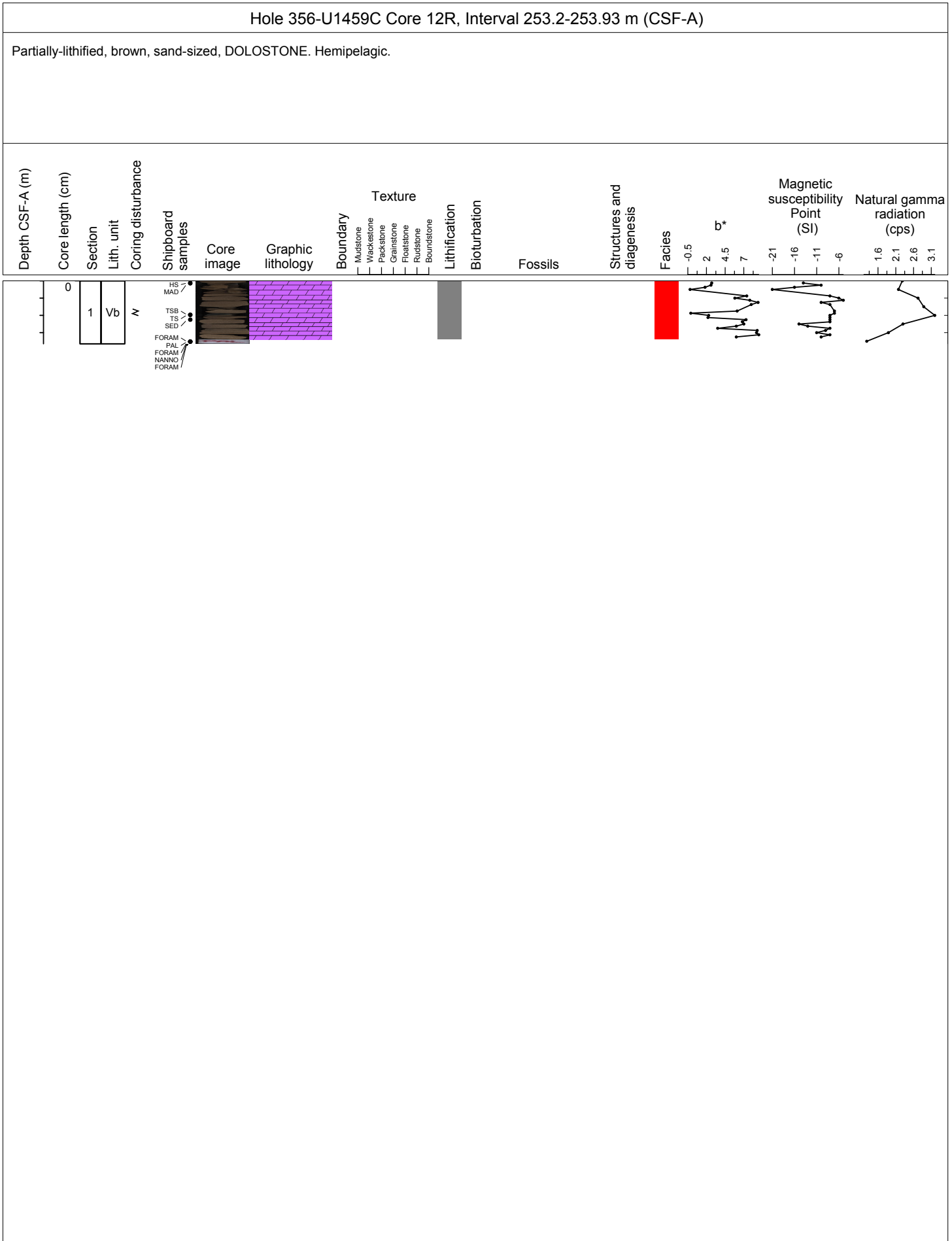
Partially-lithified, cream, dolomitic, PACKSTONE with quartz. Hemipelagic. Only fragments were recovered in the core catcher.

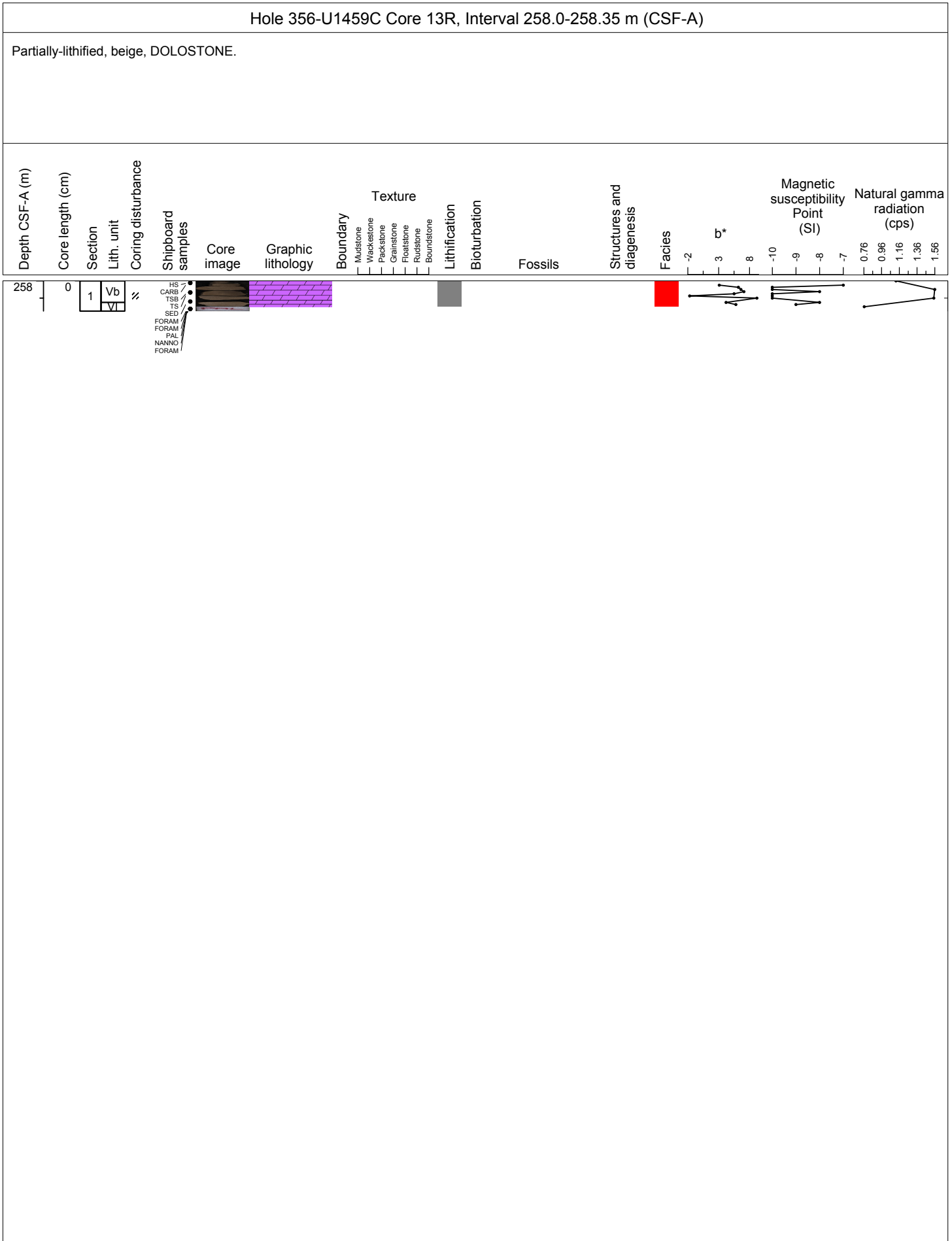


Hole 356-U1459C Core 11R, Interval 248.4-249.43 m (CSF-A)

Partially-lithified, creamy brown, dolomitic, PACKSTONE. Mm-scale dissolution cavities. Hemipelagic.

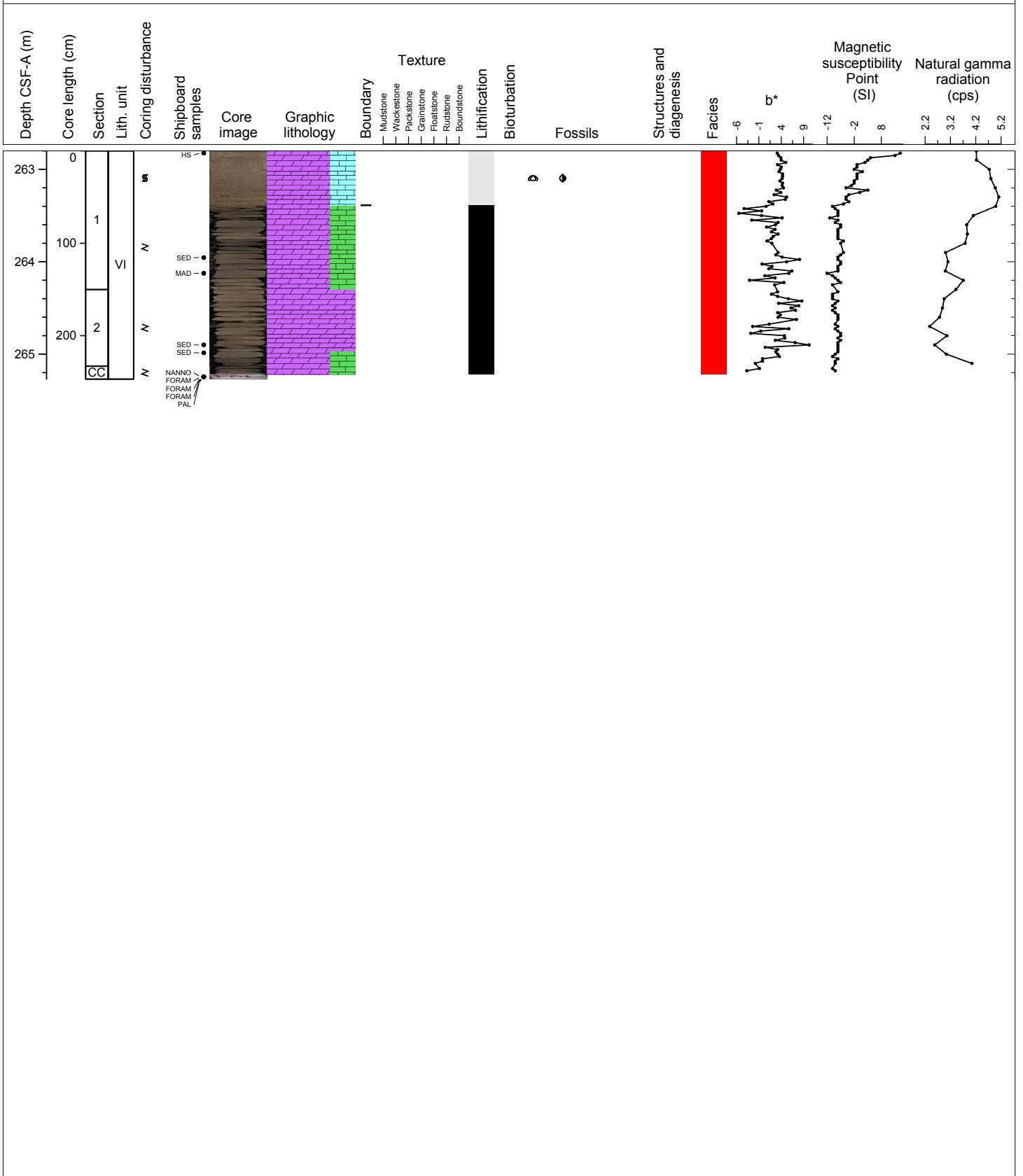






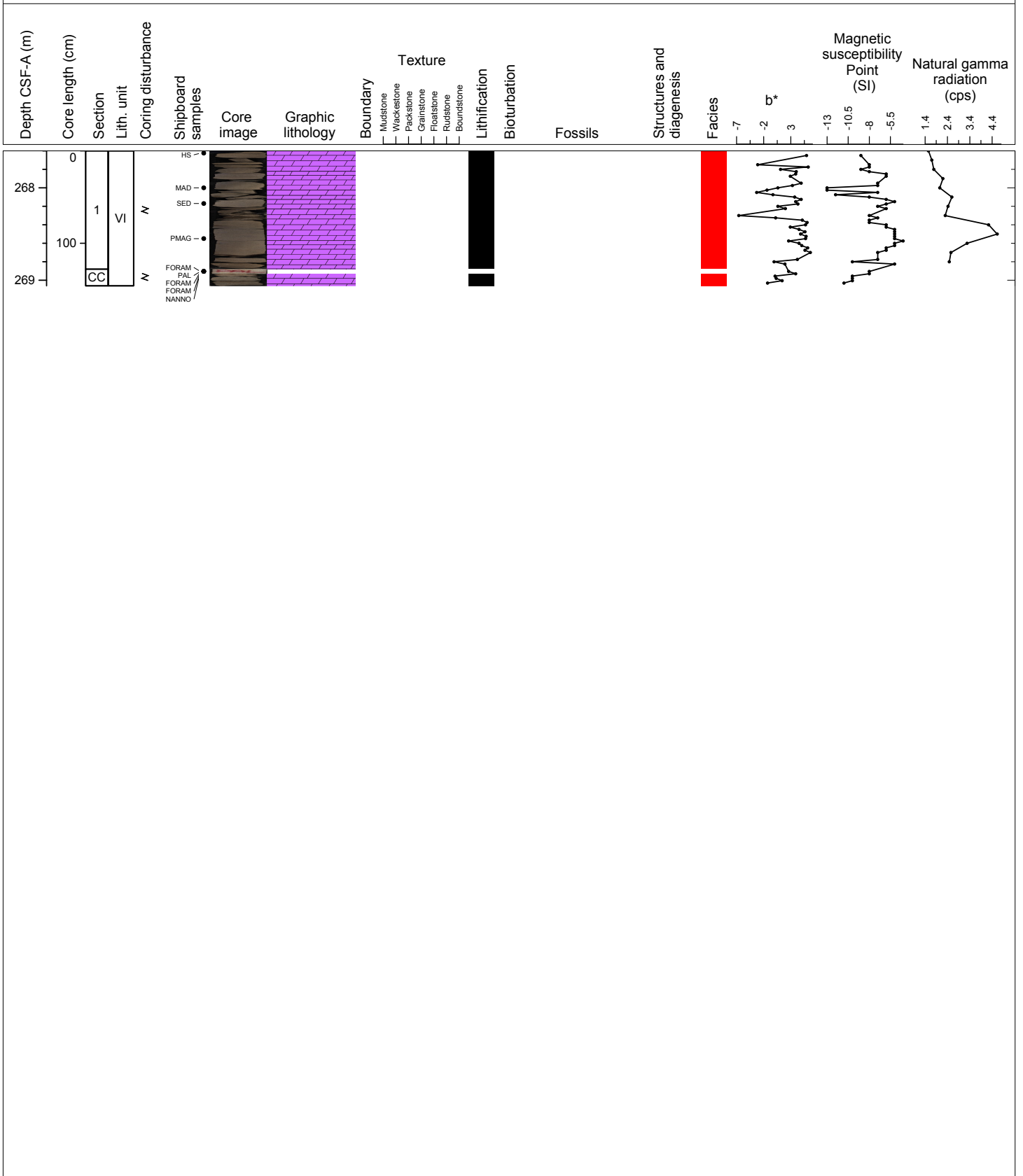
Hole 356-U1459C Core 14R, Interval 262.8-265.27 m (CSF-A)

Unlithified to lithified, beige to creamy gray, DOLOSTONE with glauconite. Foraminifers and echinoderm fragments occur in the uppermost part of the core.



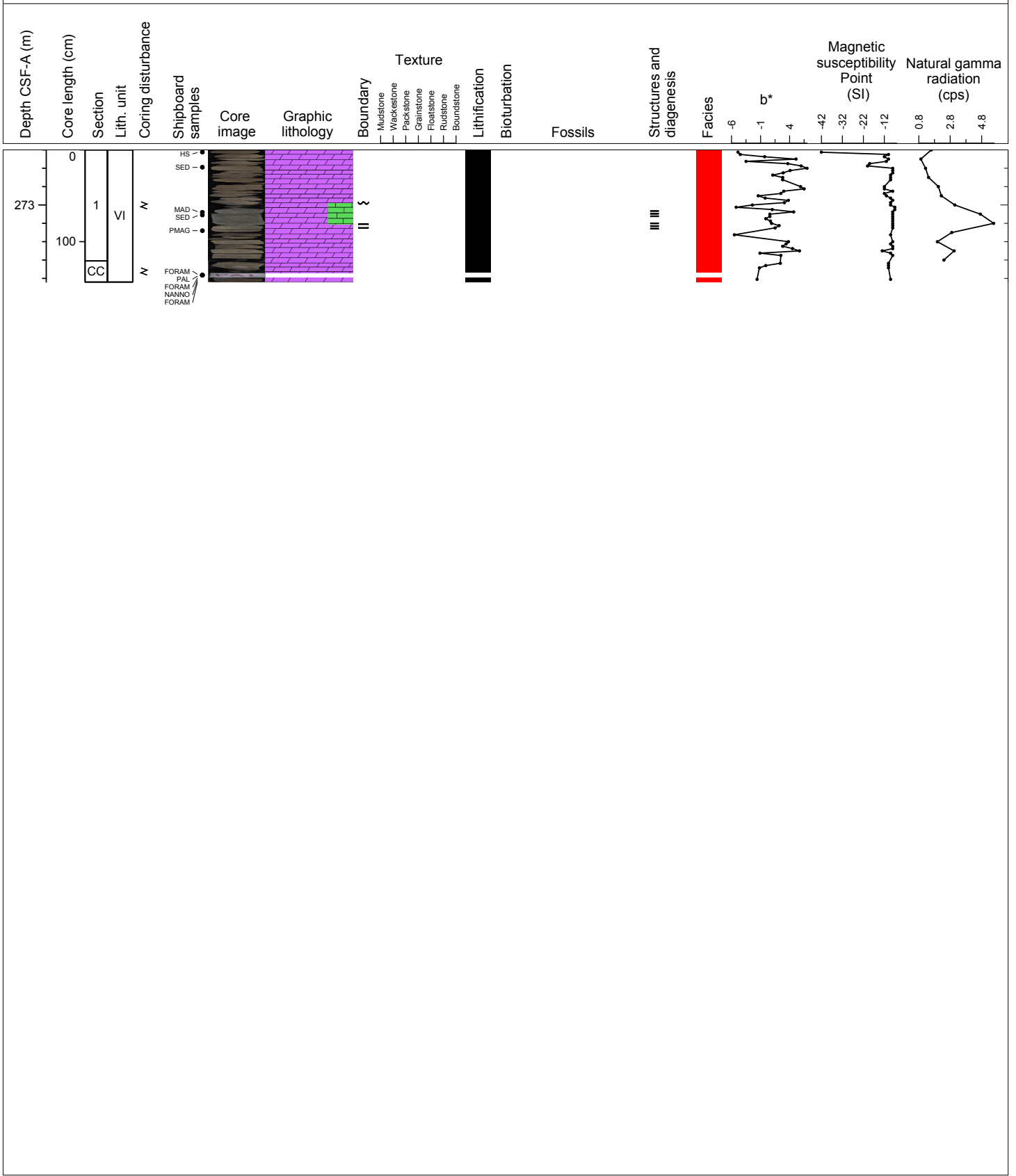
Hole 356-U1459C Core 15R, Interval 267.6-269.06 m (CSF-A)

Lithified, light brown, DOLOSTONE with medium, sand-sized glauconite grains present in the upper and lower parts of the section. Texture and structure are massive.



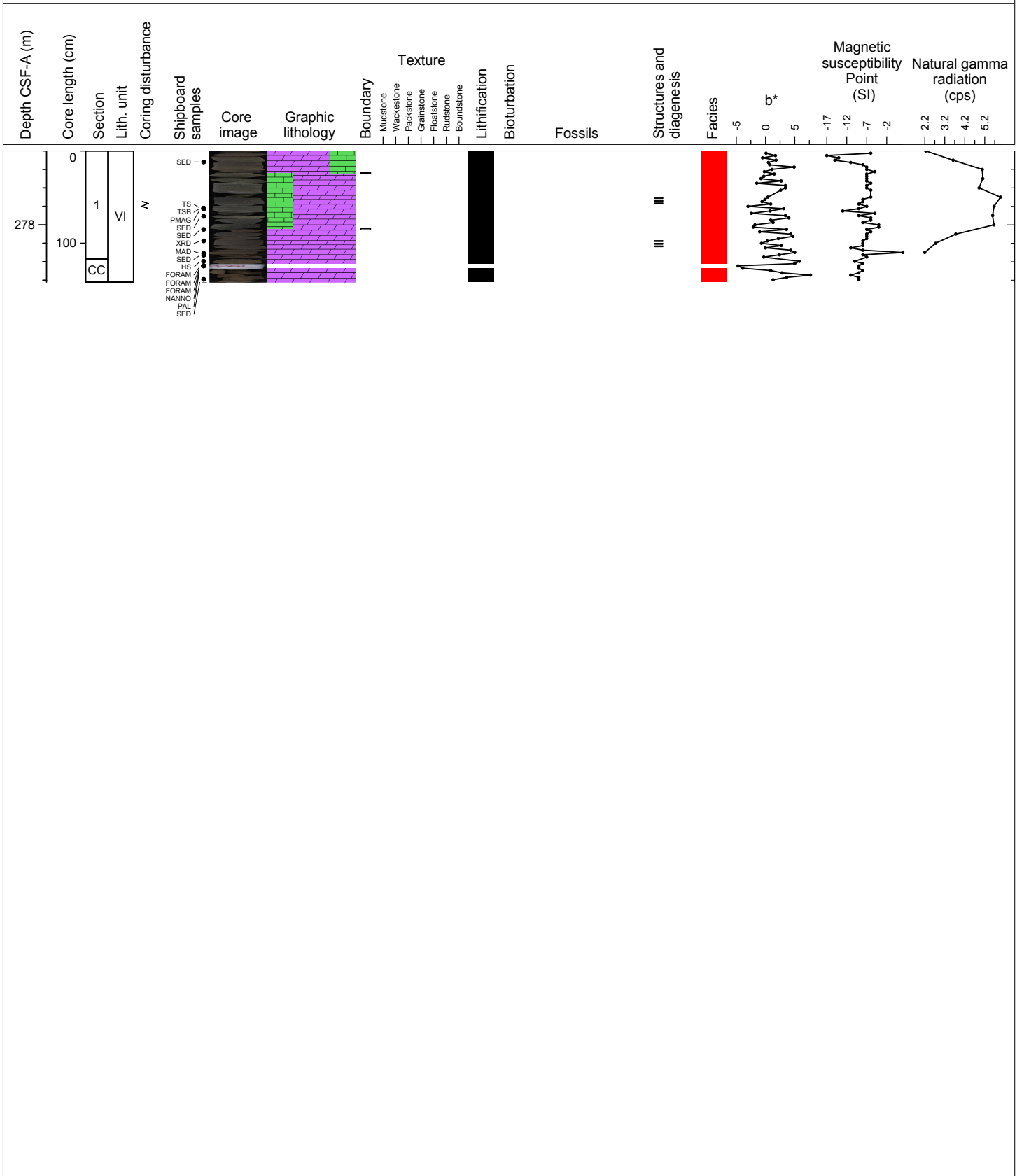
Hole 356-U1459C Core 16R, Interval 272.4-273.84 m (CSF-A)

Lithified, light brown, DOLOSTONE with glauconite and an intercalated glauconite-rich, laminated, DOLOSTONE bed near the middle of the core.



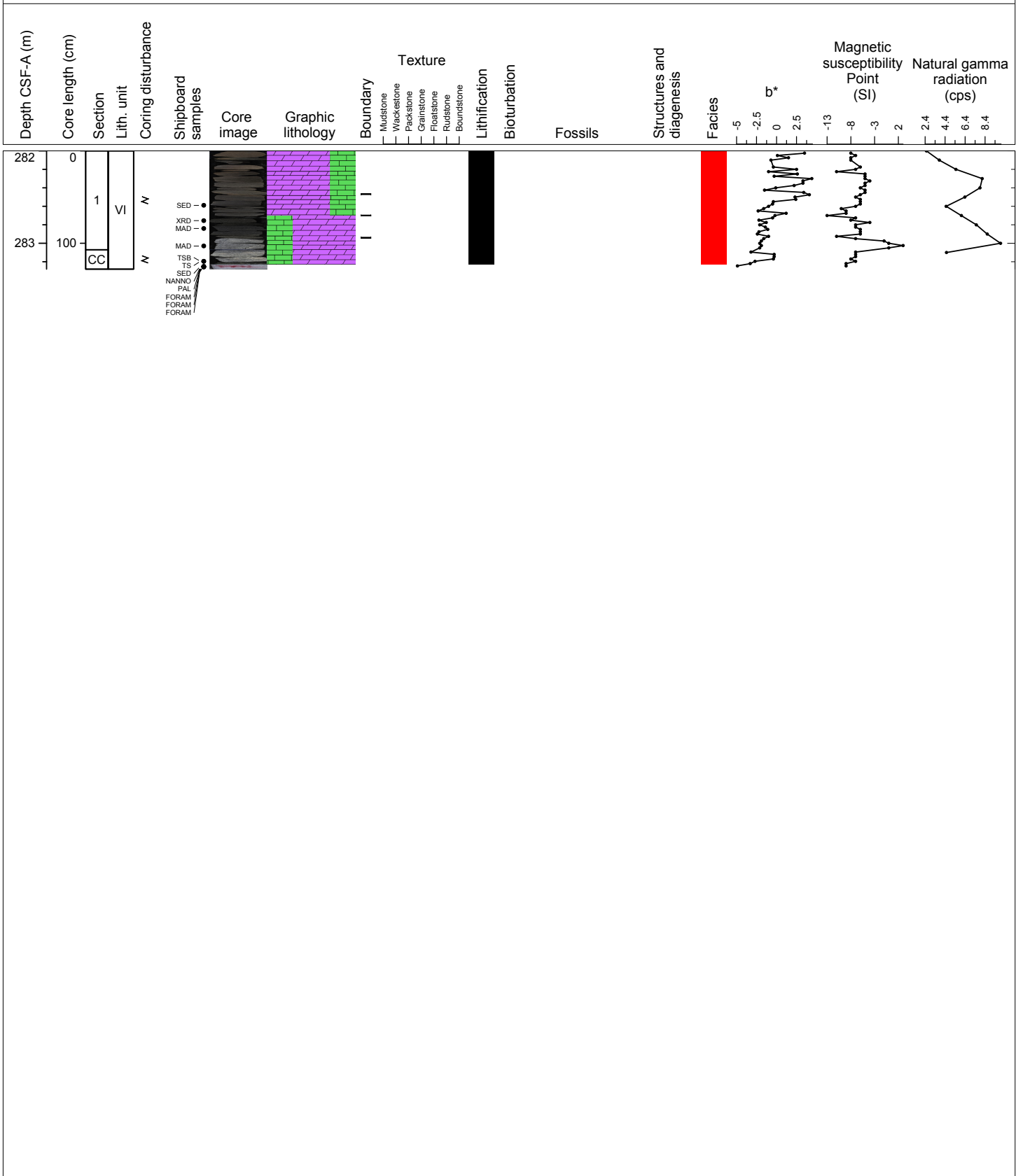
Hole 356-U1459C Core 17R, Interval 277.2-278.62 m (CSF-A)

Lithified, light greenish-gray to brown, DOLOSTONE. Several glauconite-rich, parallel-laminated beds are intercalated.



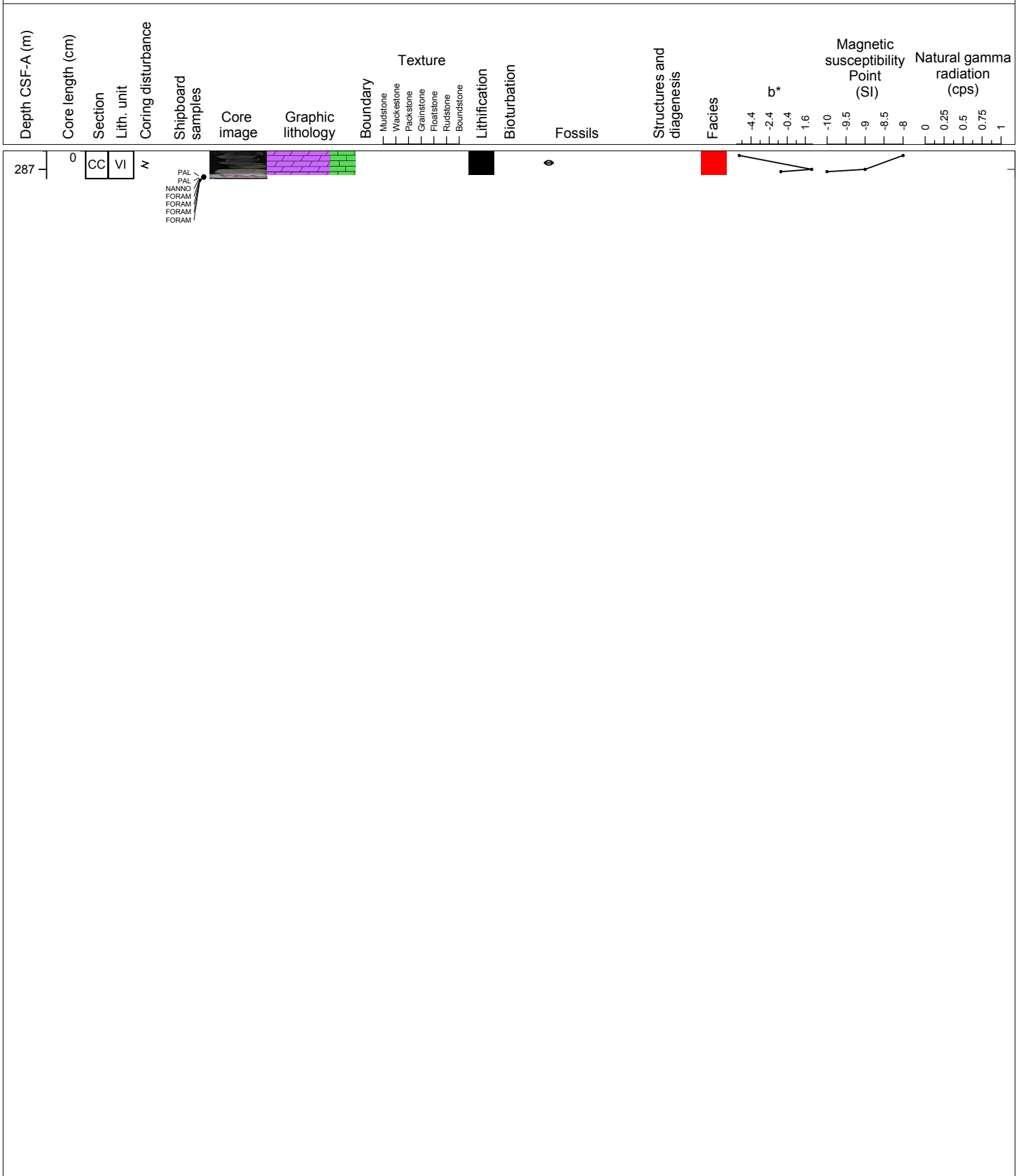
Hole 356-U1459C Core 18R, Interval 282.0-283.28 m (CSF-A)

Top to base: lithified, mottled, DOLOSTONE with glauconite becomes lithified, greenish-gray, glauconite-rich (medium sand-sized) DOLOSTONE. Single bivalve shell (~3 cm) near the bottom of the core.



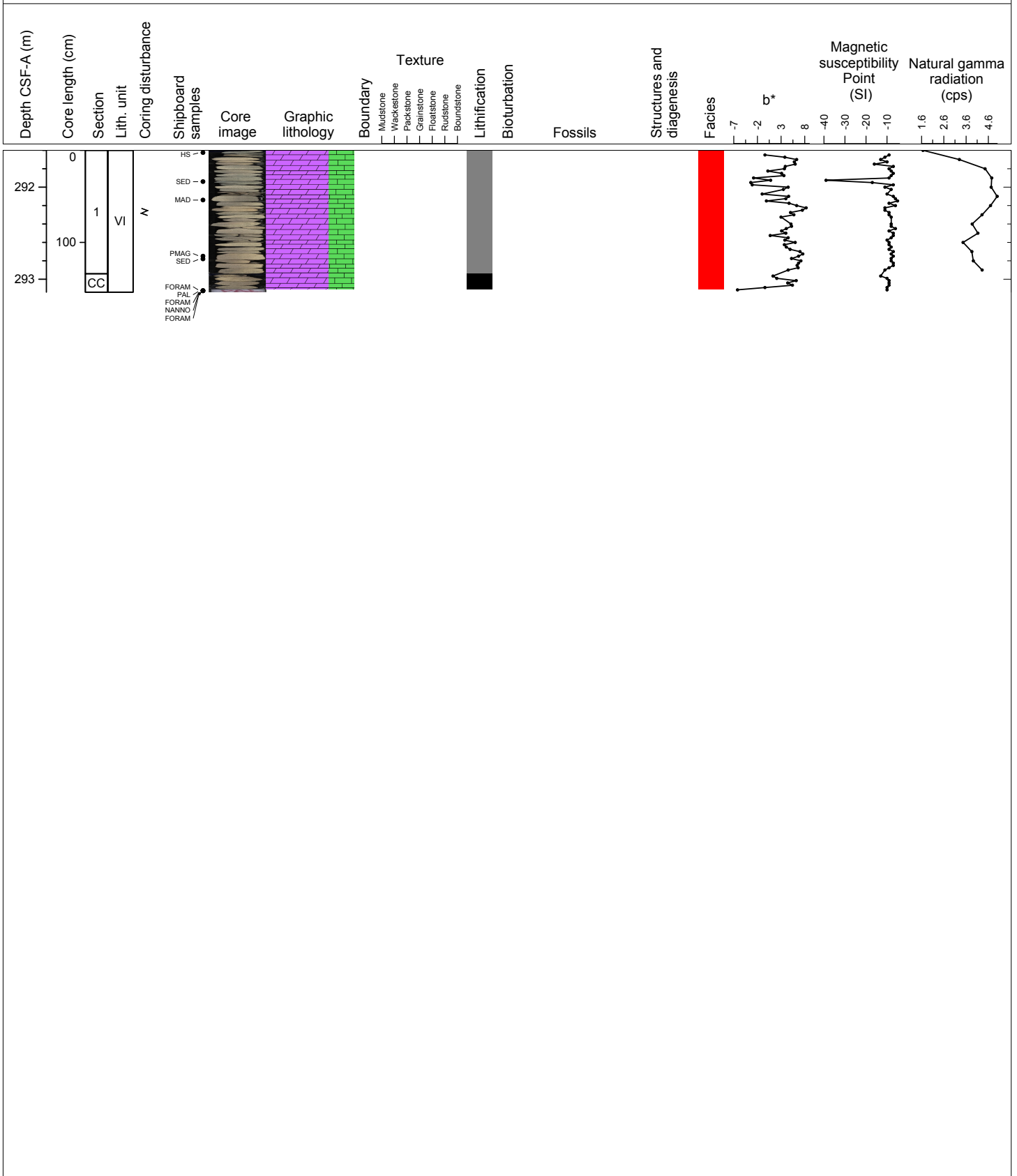
Hole 356-U1459C Core 19R, Interval 286.8-287.1 m (CSF-A)

Lithified, light greenish-gray, DOLOSTONE with glauconite.



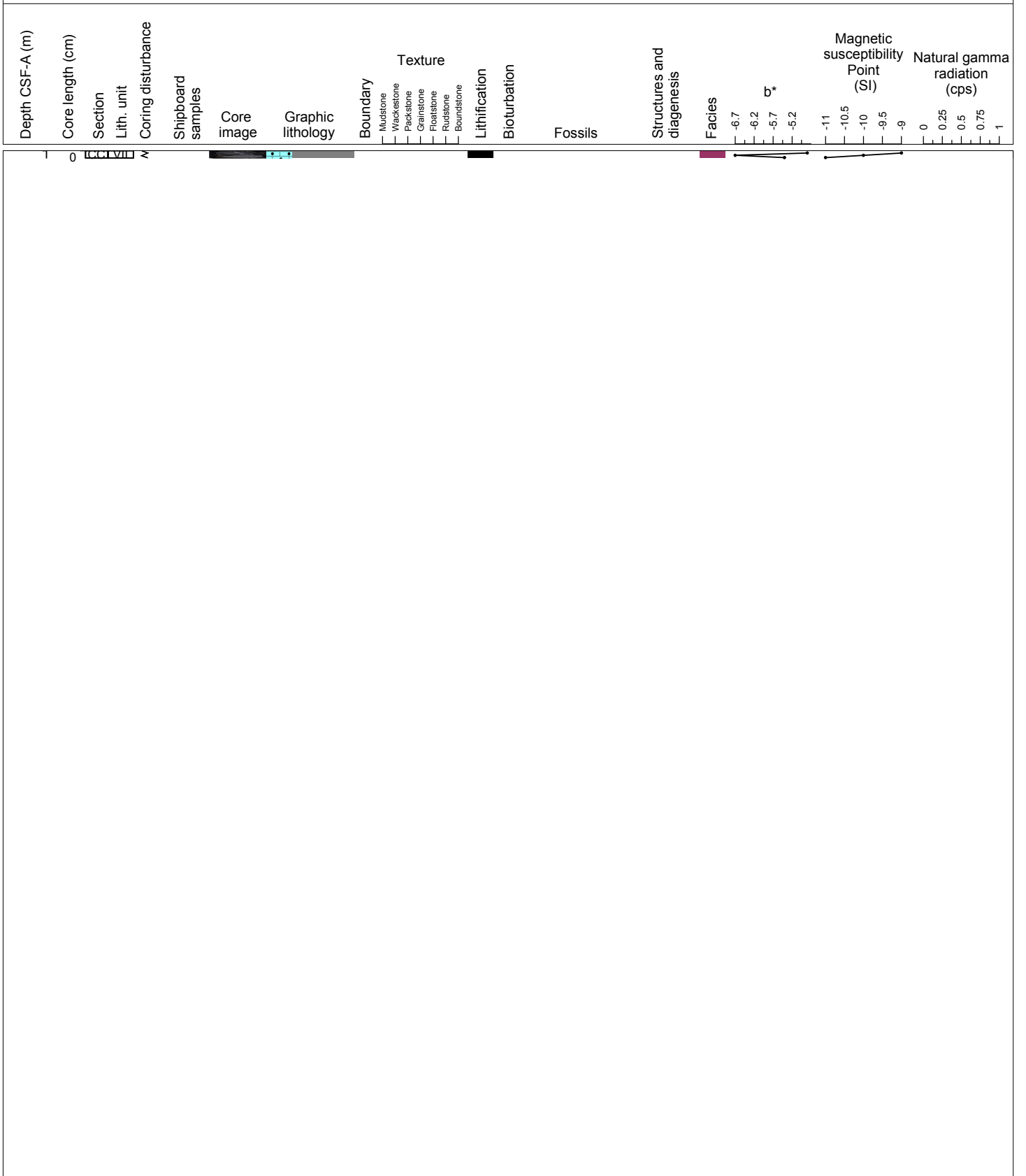
Hole 356-U1459C Core 20R, Interval 291.6-293.14 m (CSF-A)

Lithified, cream, DOLOSTONE with rare glauconite. Glauconite-rich bands and patches occur sporadically.



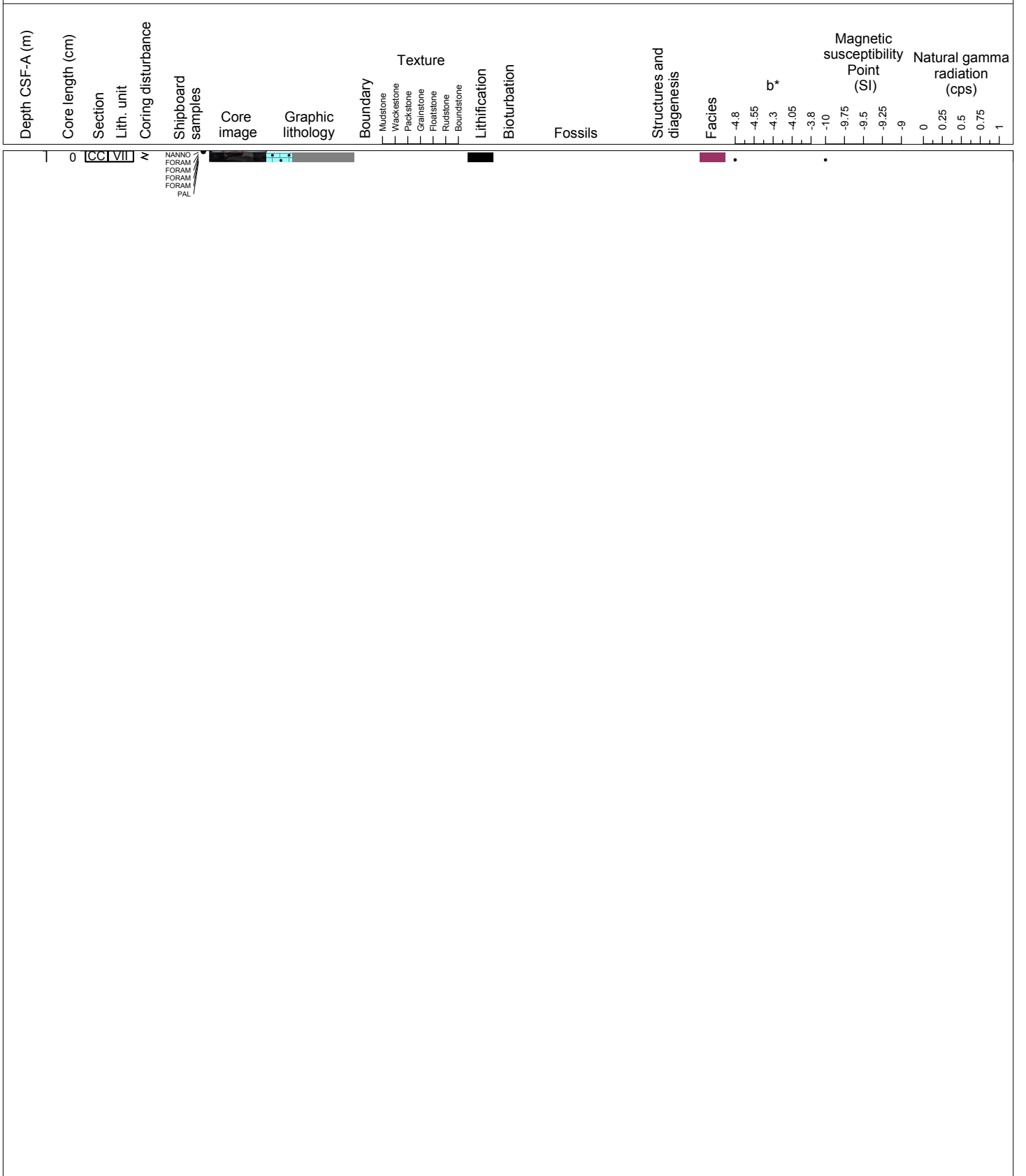
Hole 356-U1459C Core 21R, Interval 296.4-296.48 m (CSF-A)

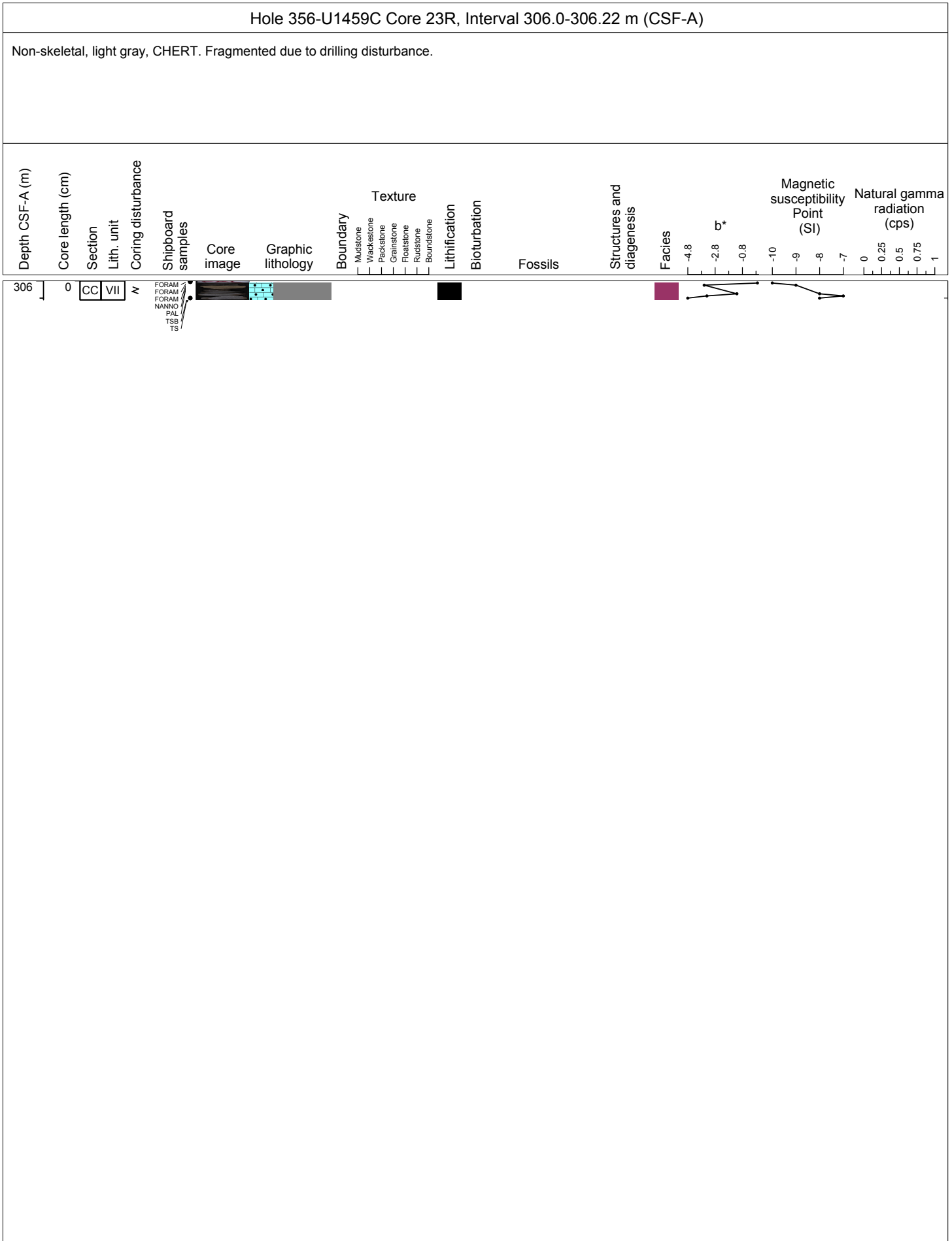
Non-skeletal, light gray, CHERT. Fragmented due to drilling disturbance.



Hole 356-U1459C Core 22R, Interval 301.2-301.32 m (CSF-A)

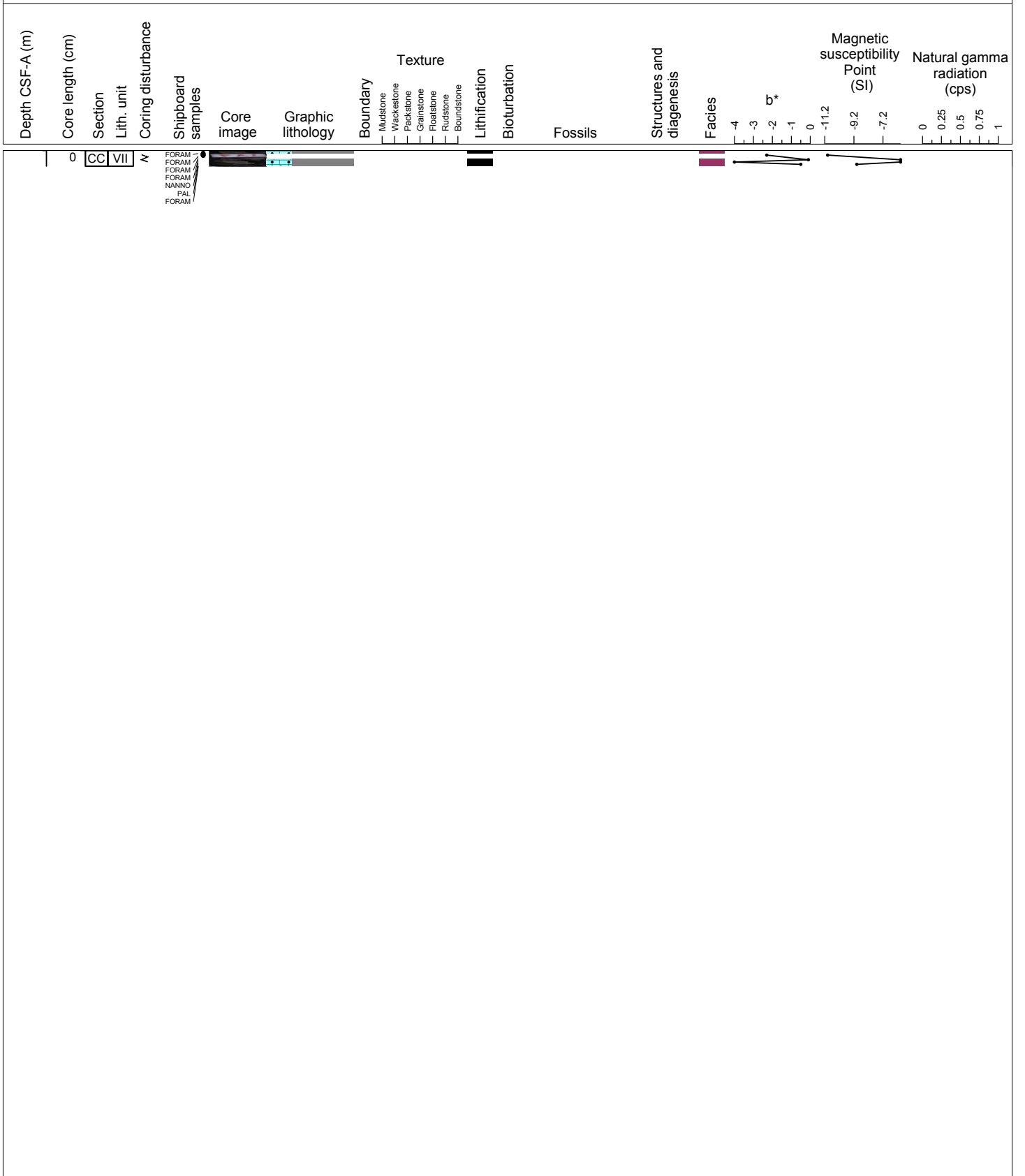
Non-skeletal, light gray, CHERT. Fragmented due to drilling disturbance.





Hole 356-U1459C Core 24R, Interval 310.8-310.97 m (CSF-A)

Non-skeletal, light gray, CHERT. Fragmented due to drilling disturbance.



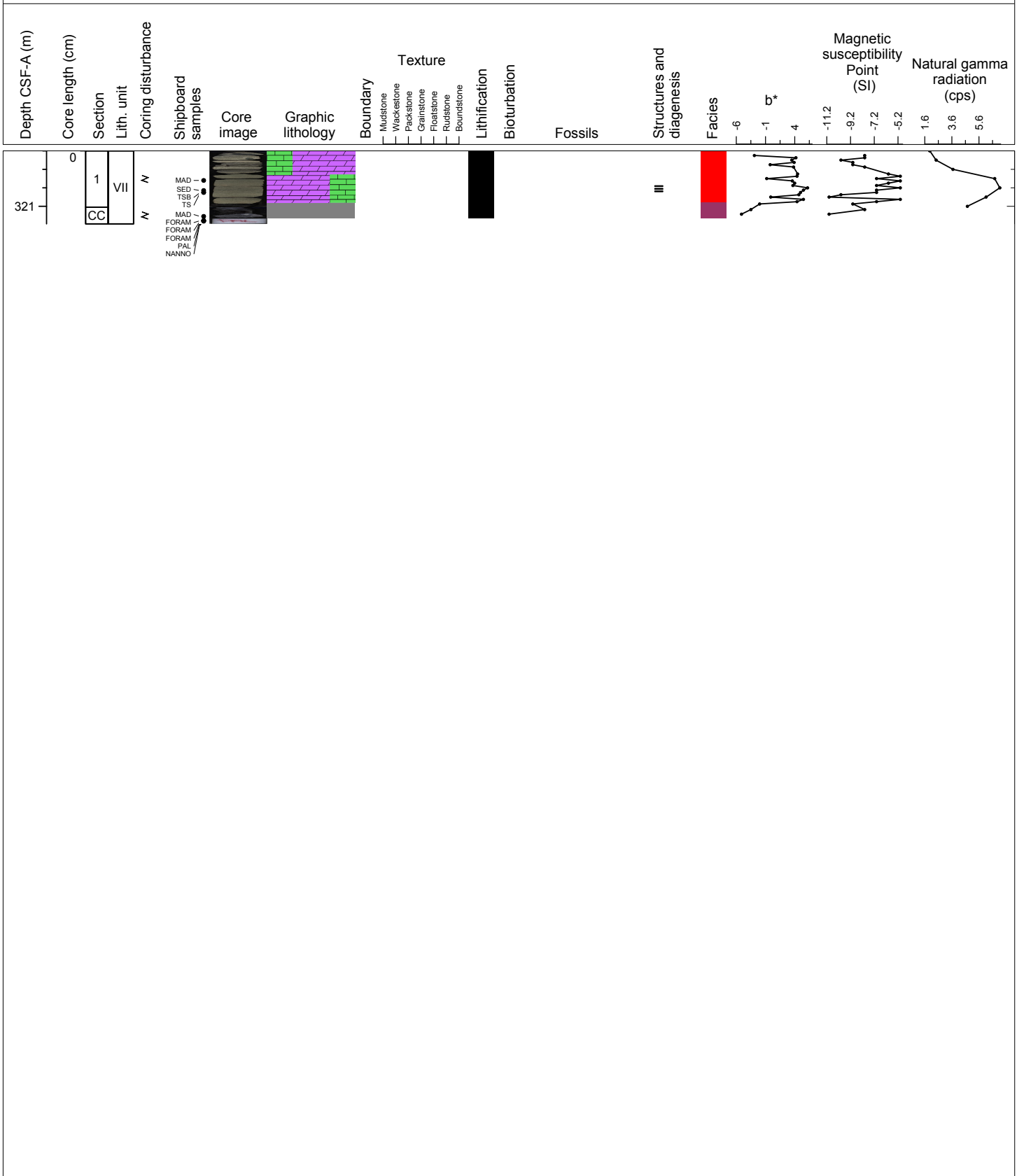
Hole 356-U1459C Core 25R, Interval 315.6-315.64 m (CSF-A)

Non-skeletal, light gray, CHERT. Fragmented due to drilling disturbance.

Depth CSF-A (m)	Core length (cm)	Section	Lith. unit	Coring disturbance	Shipboard samples	Core image	Graphic lithology	Boundary	Texture	Lithification	Bioturbation	Fossils	Structures and diagenesis	Facies	Magnetic susceptibility Point (SI)	Natural gamma radiation (cps)
								Mudstone	Wackestone	Packstone	Grainstone	Floatstone	Rudstone	Boundstone	-3.2	0
															-2.95	0.25
															-2.7	0.5
															-2.45	0.75
															-2.2	1
															-8	
															-7.75	
															-7.5	
															-7.25	
															-7	

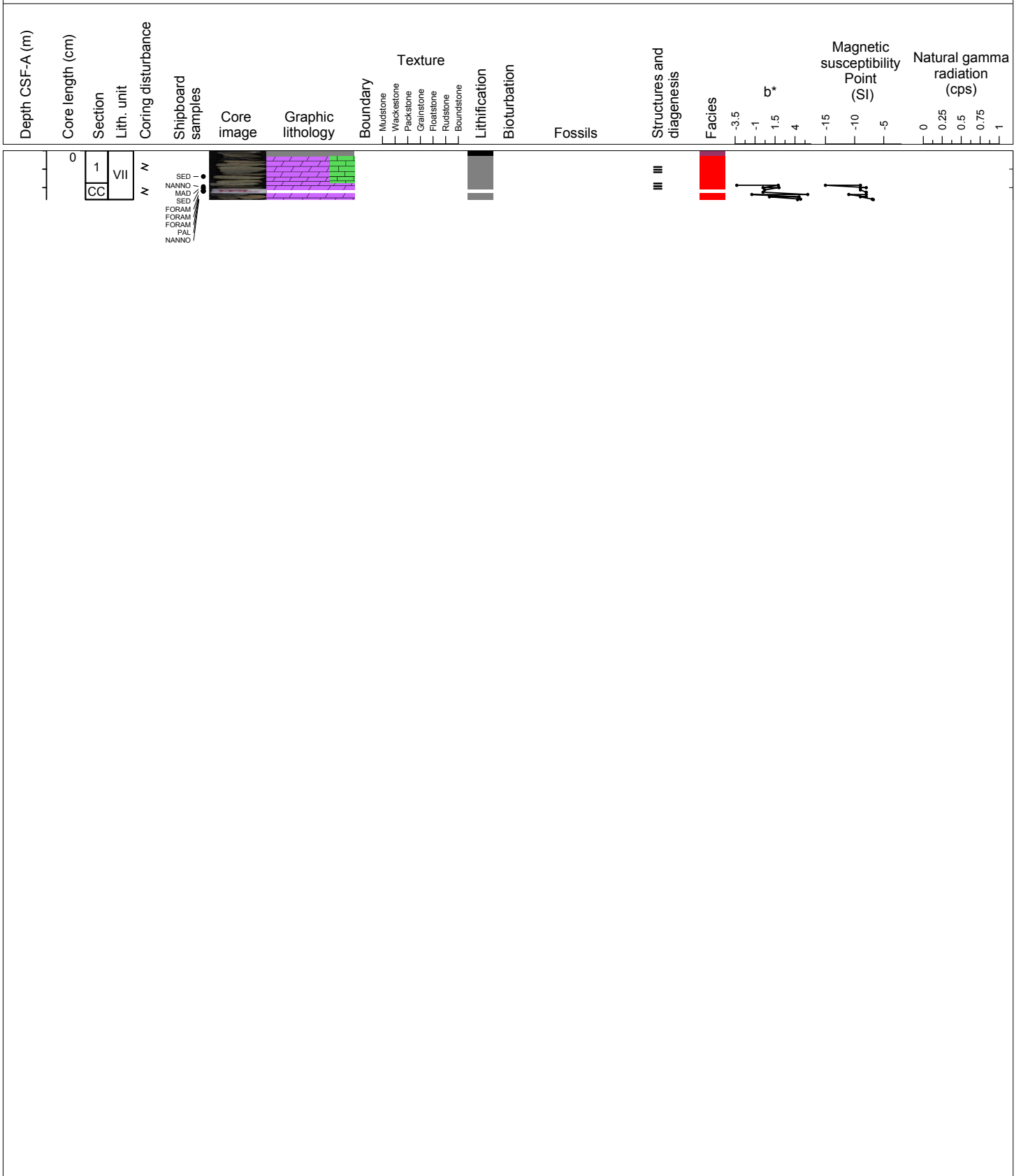
Hole 356-U1459C Core 26R, Interval 320.4-321.19 m (CSF-A)

Top to base: lithified, creamy gray, glauconite-rich DOLOSTONE becomes light greenish-gray with parallel laminations and sporadic glauconite-rich patches. DOLOSTONE transitions to dark CHERT, which is fragmented due to drilling disturbance.



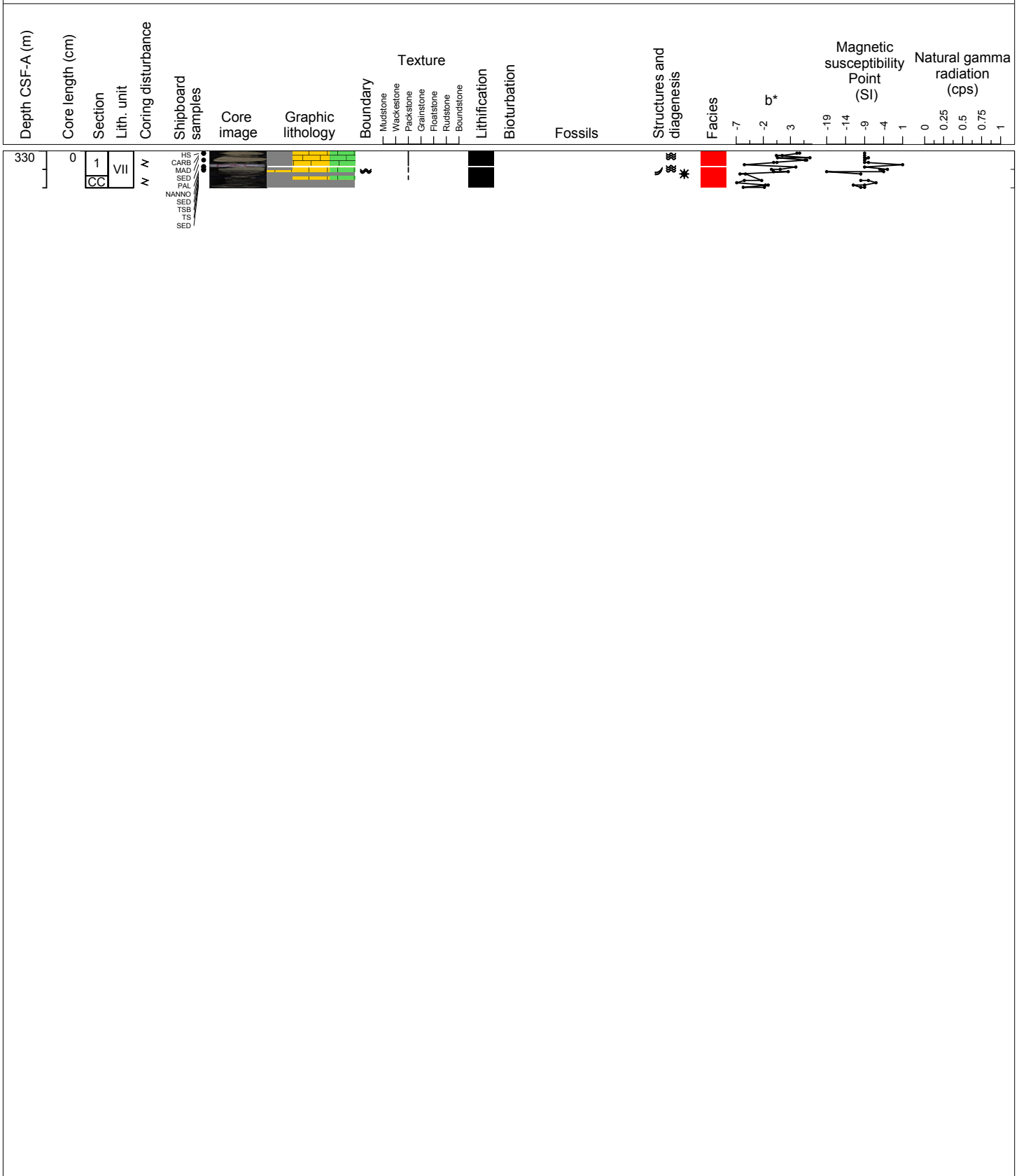
Hole 356-U1459C Core 27R, Interval 325.2-325.73 m (CSF-A)

Top to base: dark gray CHERT transitions to partially-lithified, light brown, DOLOSTONE with glauconite as well as parallel laminations near the base of the dolostone. Chert gravel due to drilling disturbance.



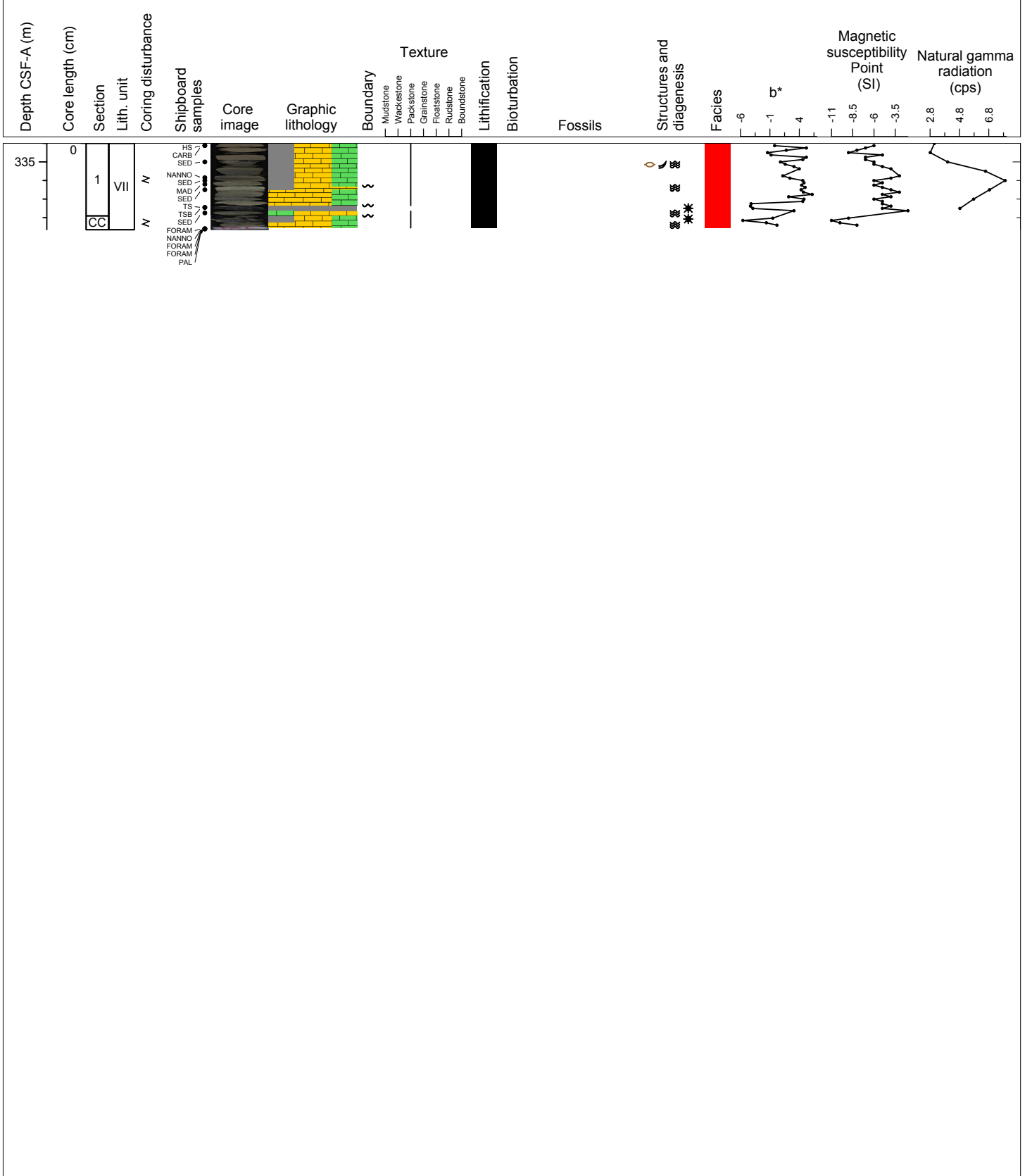
Hole 356-U1459C Core 28R, Interval 330.0-330.4 m (CSF-A)

Top to base: poorly-lithified, creamy gray, PACKSTONE with wavy laminations becomes lithified, light gray, PACKSTONE mixed with CHERT. Below a PAL smaple poorly-lithified, light greenish-gray, PACKSTONE with wavy laminations occurs. Glauconite content increases downcore, towards a wavy contact with the underlying, poorly-lithified, light grayish-green, glauconite-rich, PACKSTONE interbedded with brown mud. The material also exhibits flaser bedding and has a wavy, sub-horizontal contact with underlying, lithified, gray, CHERT. The chert has cement-filled (glauconite and carbonate) cavities. The gray chert turns into a mixture of light greenish-gray to gray, glauconite-rich, PACKSTONE and CHERT. This packstone-chert mixture turns into microcrystalline CHERT, containing carbonate/carbonate-fill. In some instances, the cavities are filled with light green, glauconite-rich, PACKSTONE.



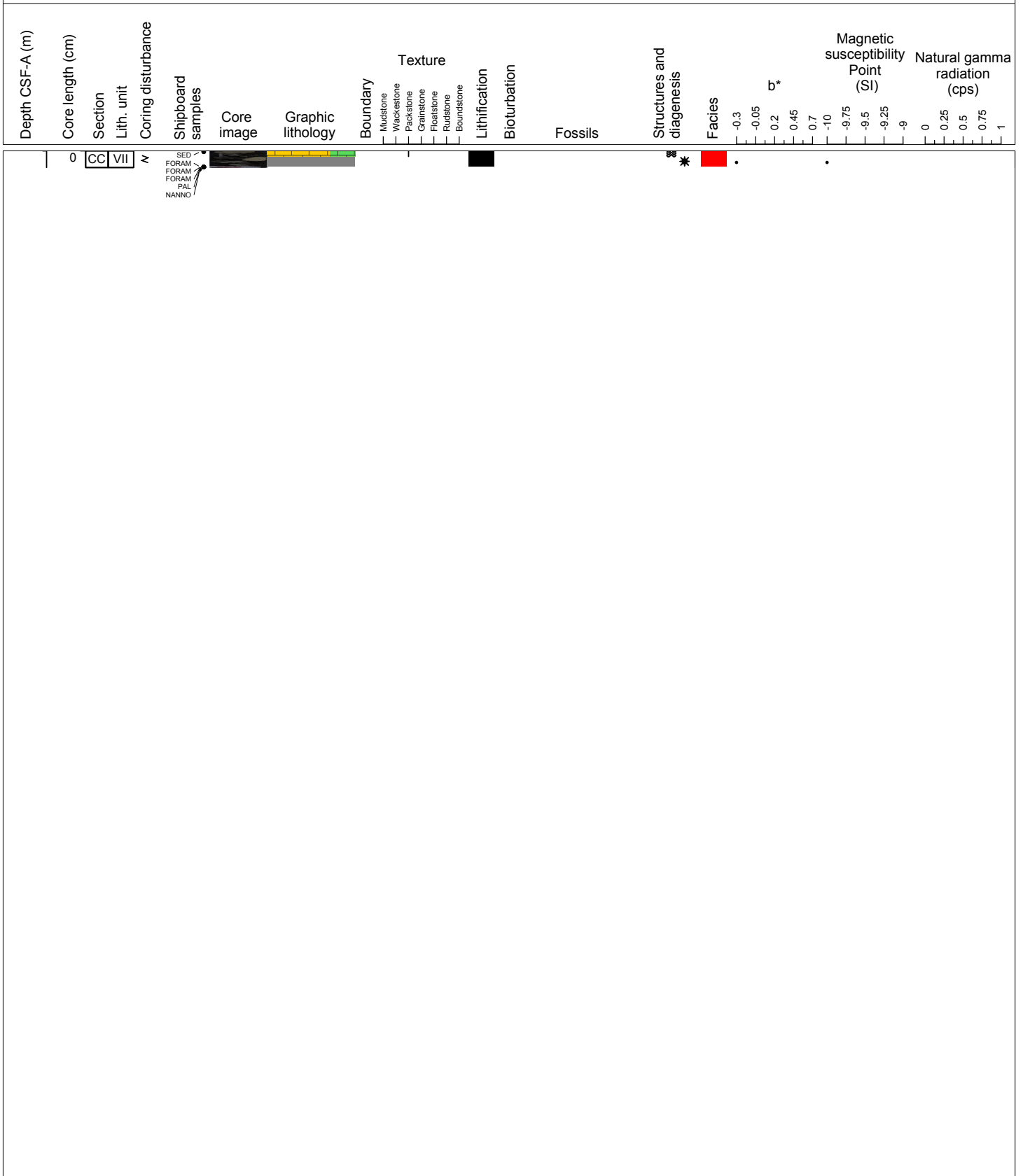
Hole 356-U1459C Core 29R, Interval 334.8-335.73 m (CSF-A)

Top to base: lithified, light greenish-gray, glauconite-rich, PACKSTONE interbedded with 4-8 cm gray CHERT bands; glauconite-rich intervals contain lenticular and flaser bedding and wavy laminations composed of brown mud. This packstone becomes creamy greenish-gray and then greenish-gray with creamy to brown mud coating wavy bands. A wavy, sub-horizontal and gradational contact occurs between this upper packstone and lower microcrystalline, dark gray CHERT, which has cavities filled with carbonate and/or light greenish-gray packstone and glauconite. Return of the greenish gray packstone with mud coated wavy bands. This interval shares a wavy, sub-horizontal and gradational contact with the underlying lithified chert-rich light grayish-green packstone. The chert is dark gray and contains cavities filled with white carbonate and light greenish-gray glauconite. The section ends with light greenish-gray, PACKSTONE with glauconite and wavy laminations.



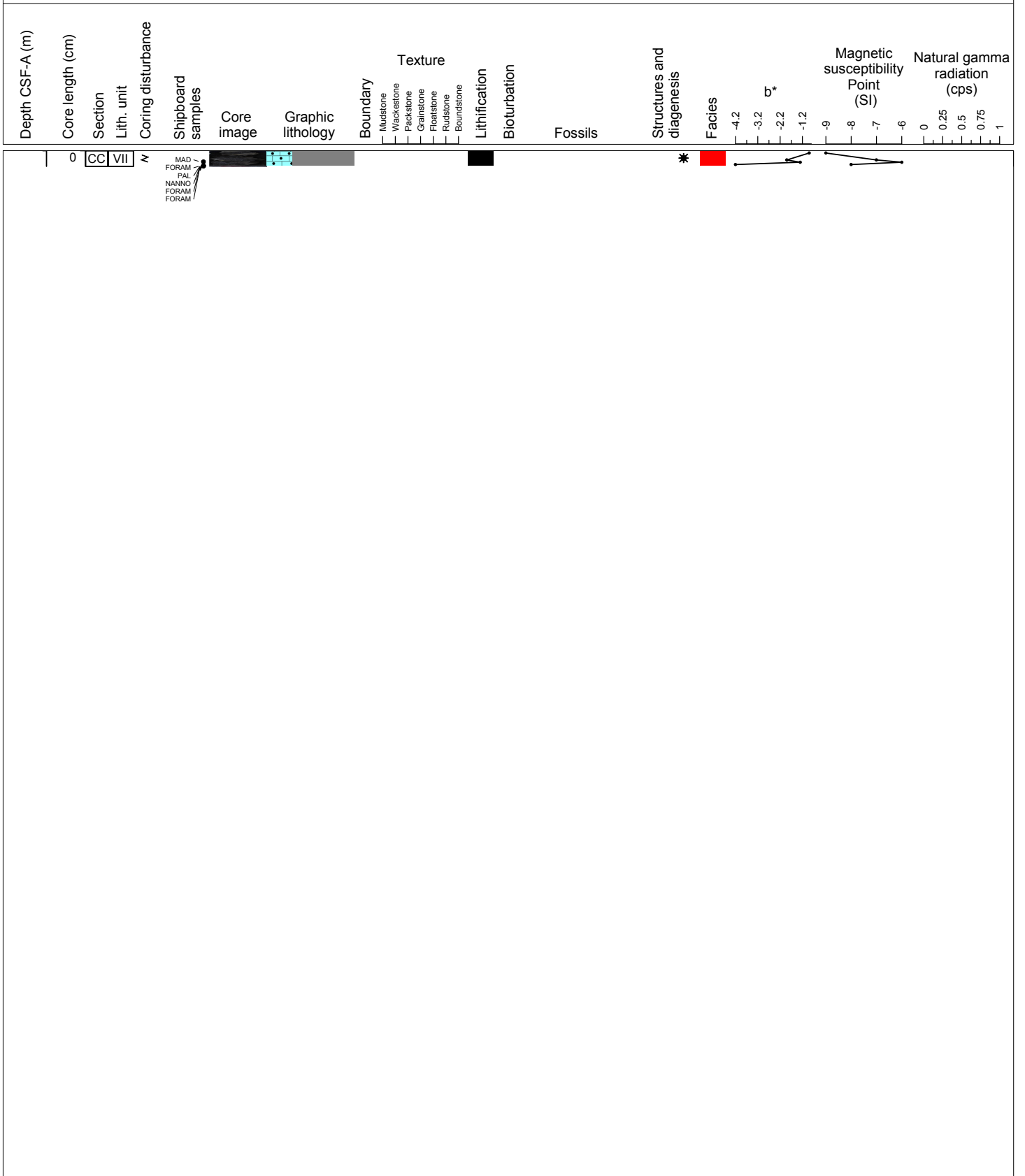
Hole 356-U1459C Core 30R, Interval 339.6-339.78 m (CSF-A)

Top to base: lithified, light greenish-gray, PACKSTONE with glauconite and wavy laminations. This section is followed by microcrystalline, dark gray, CHERT with light greenish-gray PACKSTONE with glauconite. Cavities within the chert are filled with white carbonate and light greenish-gray PACKSTONE with glauconite.



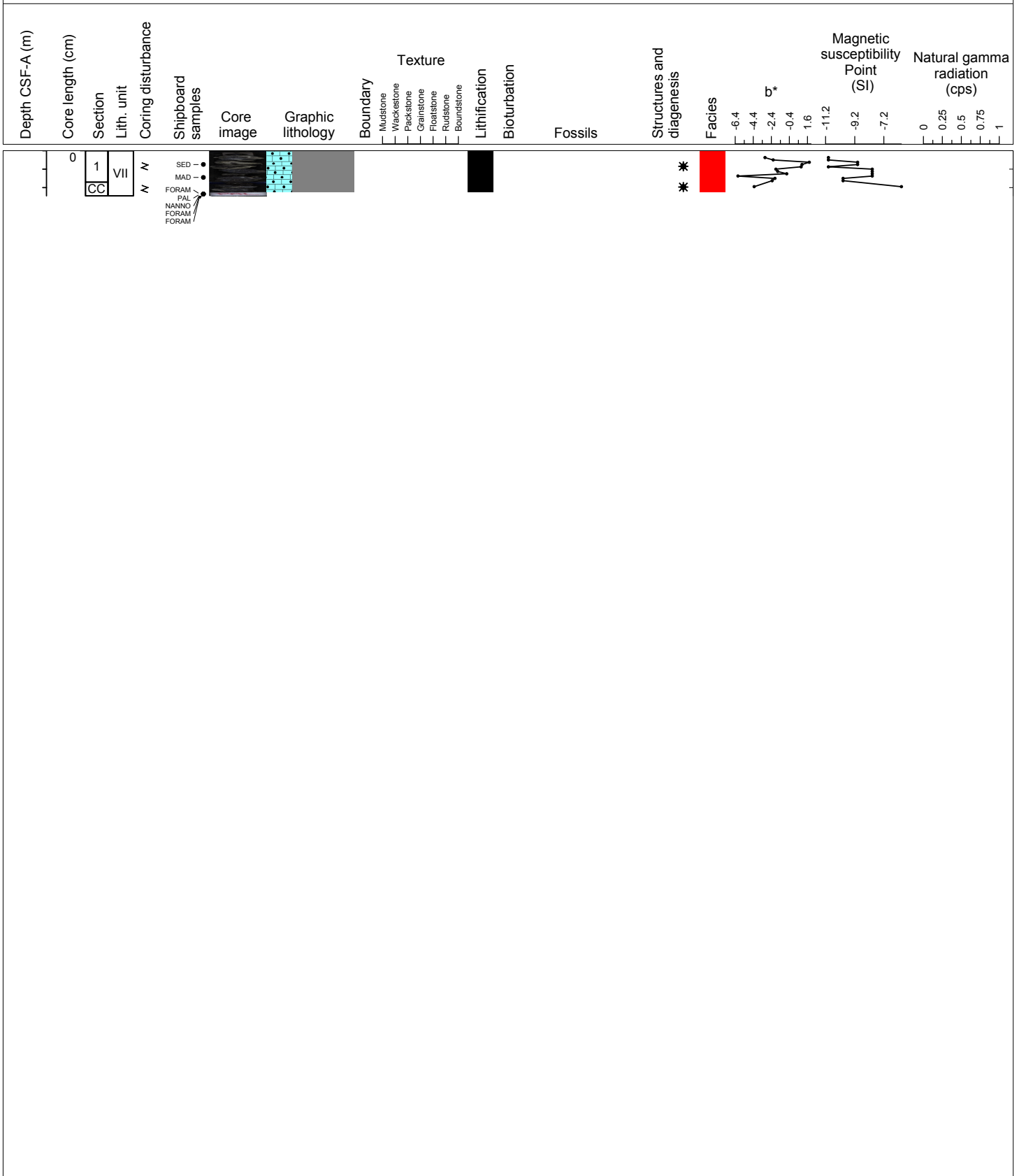
Hole 356-U1459C Core 31R, Interval 344.4-344.57 m (CSF-A)

Microcrystalline, dark gray, CHERT with light greenish-gray, glauconite-rich, grainstone. The chert contains bands and cavities, which are partially filled with light greenish-gray, glauconite-rich, grainstone.



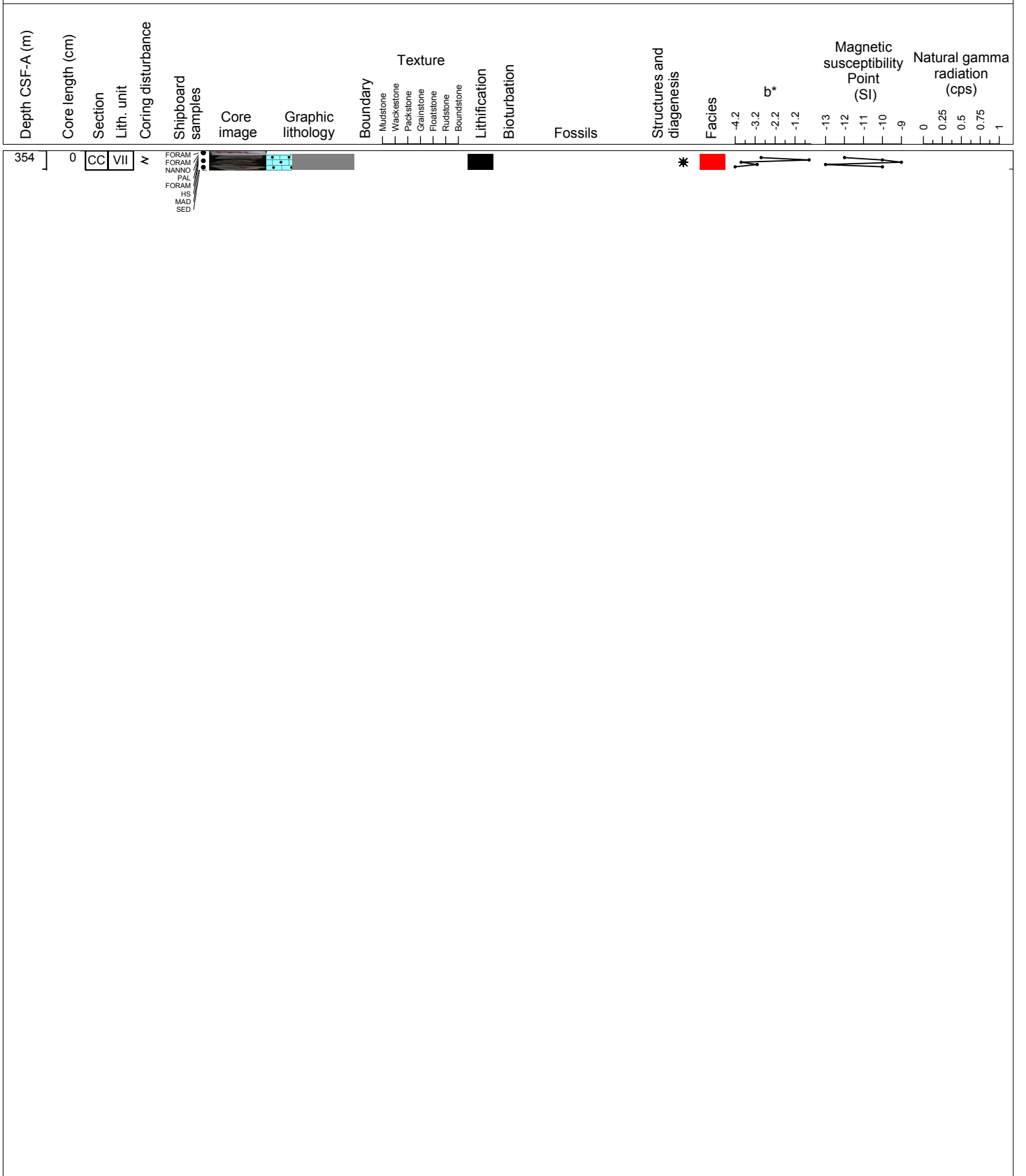
Hole 356-U1459C Core 32R, Interval 349.2-349.69 m (CSF-A)

Microcrystalline, dark gray, CHERT containing bands and cavities (mm to a few cm long) filled with white carbonate and/or light greenish-gray grainstone with glauconite.



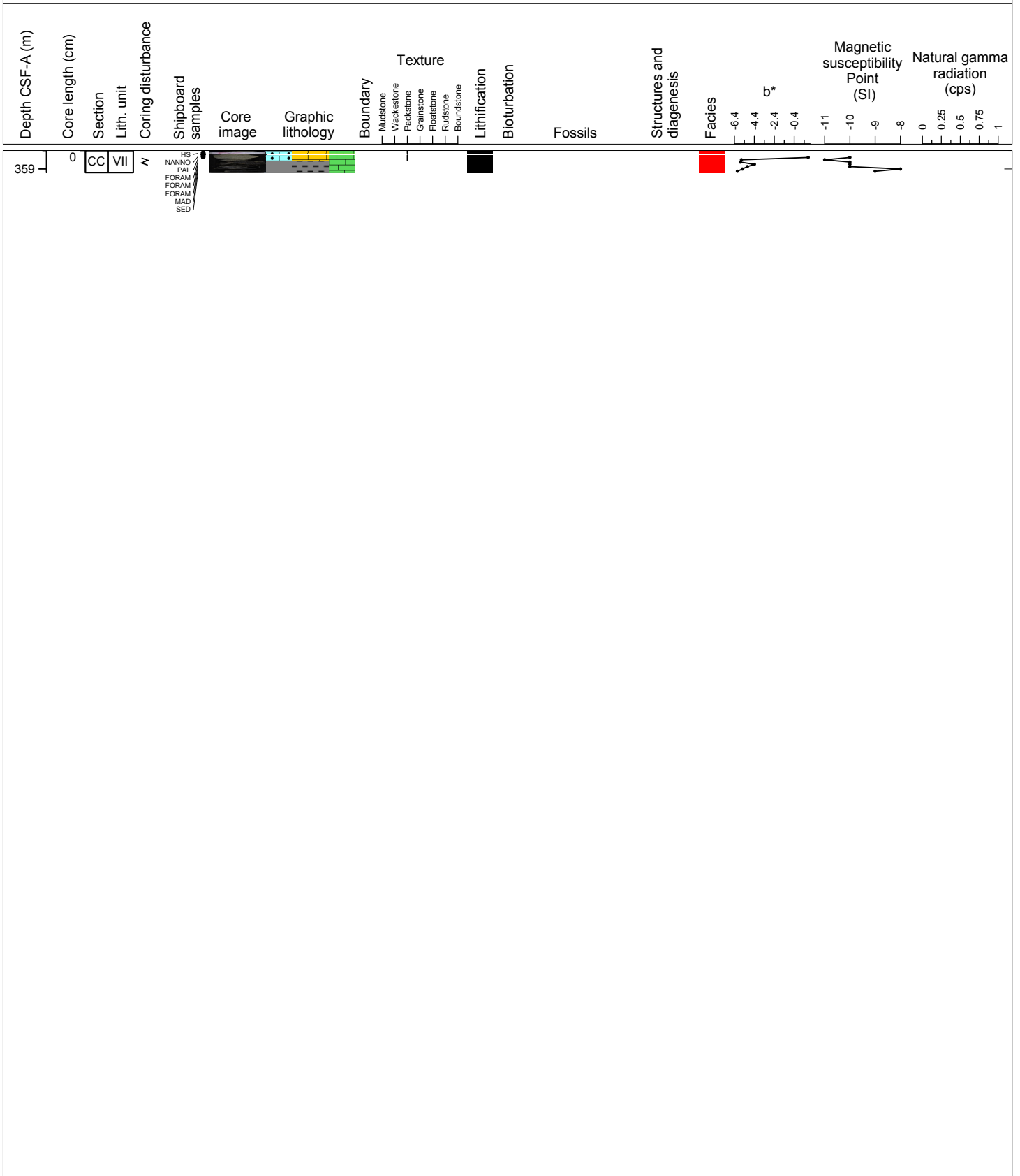
Hole 356-U1459C Core 33R, Interval 354.0-354.21 m (CSF-A)

Dark gray CHERT with bands, veins and cavities filled with white carbonate and/or light greenish-gray, glauconite-rich, packstone.



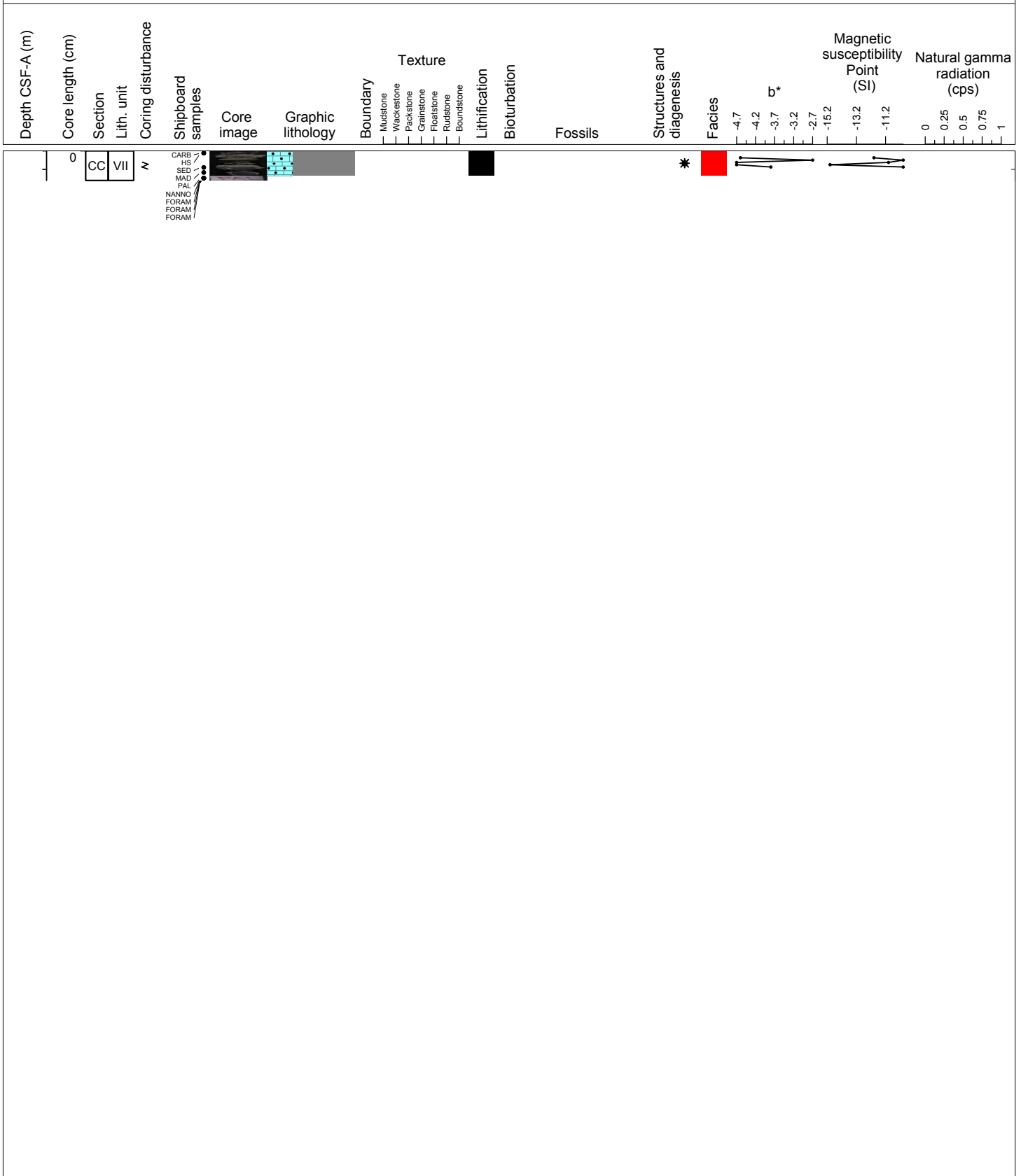
Hole 356-U1459C Core 34R, Interval 358.8-359.04 m (CSF-A)

Top to base: non-skeletal, lithified, light greenish-gray, PACKSTONE is followed by microcrystalline, dark gray, CHERT with bands, veins and cavities filled with white carbonate and/or light greenish-gray, glauconite-rich, packstone



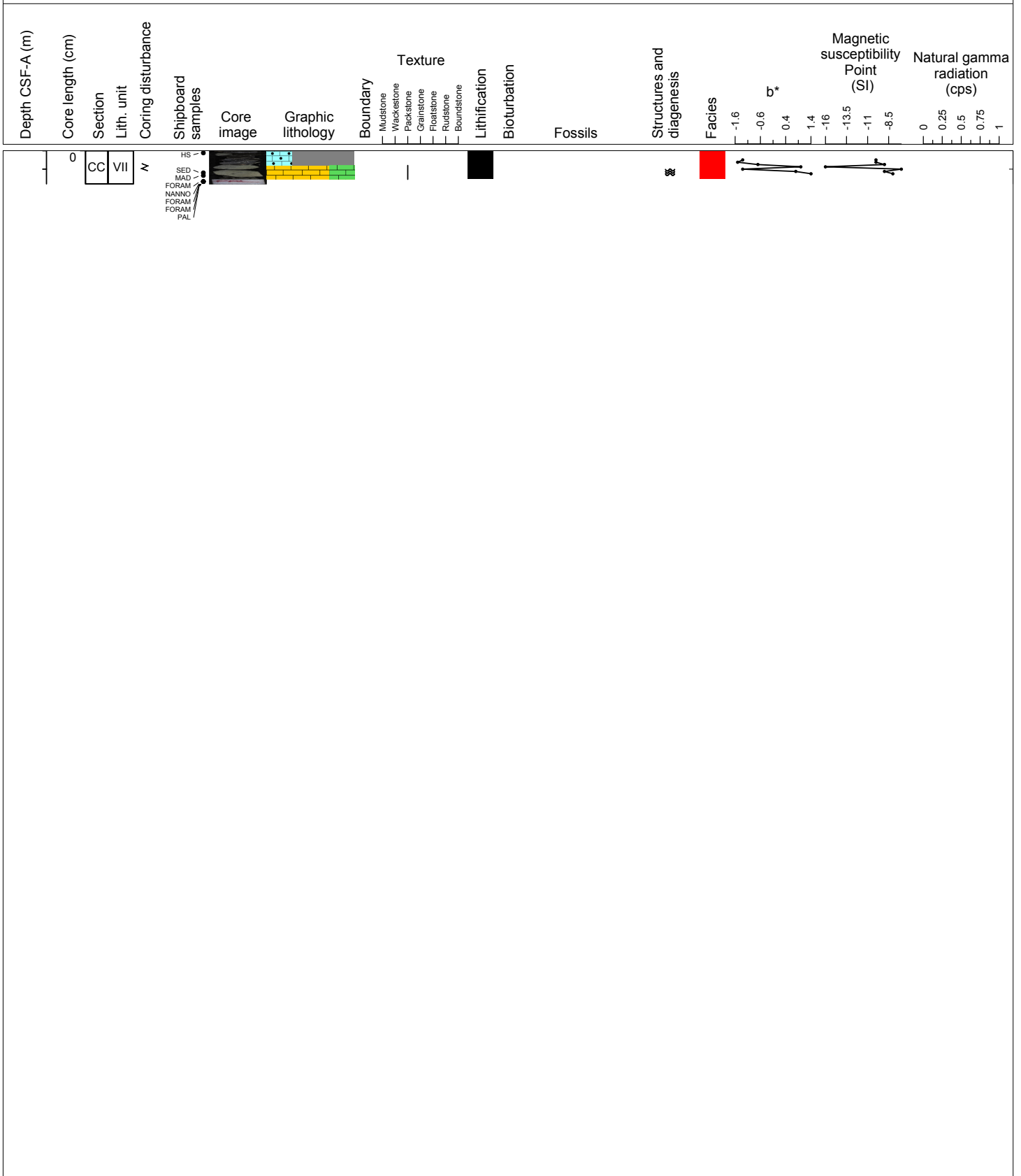
Hole 356-U1459C Core 35R, Interval 363.6-363.92 m (CSF-A)

Microcrystalline, dark gray, CHERT containing bands, veins and cavities filled with white carbonate and/or light greenish-gray, GRAINSTONE with glauconite.



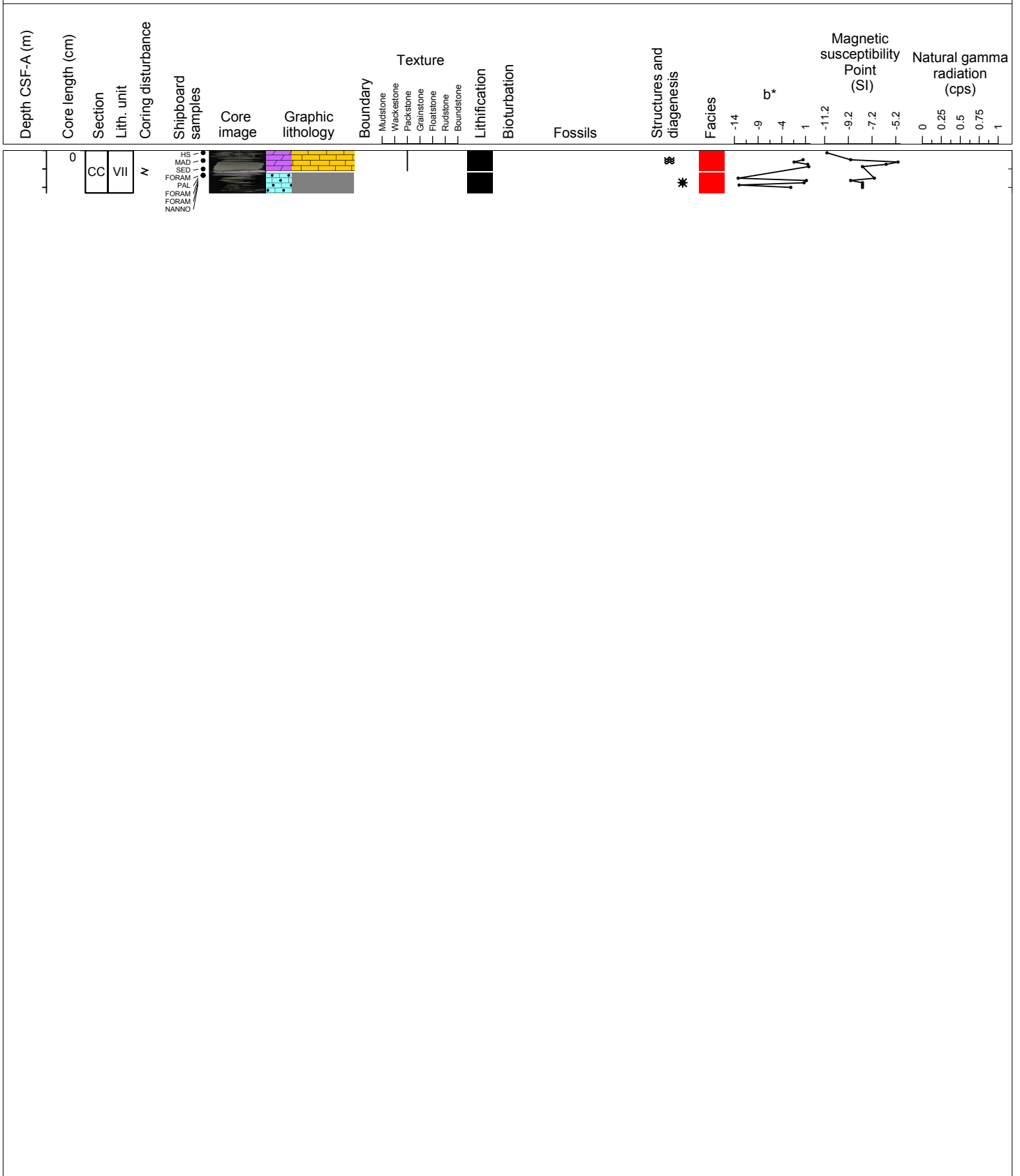
Hole 356-U1459C Core 36R, Interval 368.4-368.76 m (CSF-A)

Top to base: lithified, dark gray, CHERT with band, veins and cavities filled with white carbonate and/or light greenish-gray, packstone with glauconite. Underlying the chert is non-skeletal, light greenish-gray, PACKSTONE with glauconite. The packstone contains wavy laminations, possibly of brown mud.



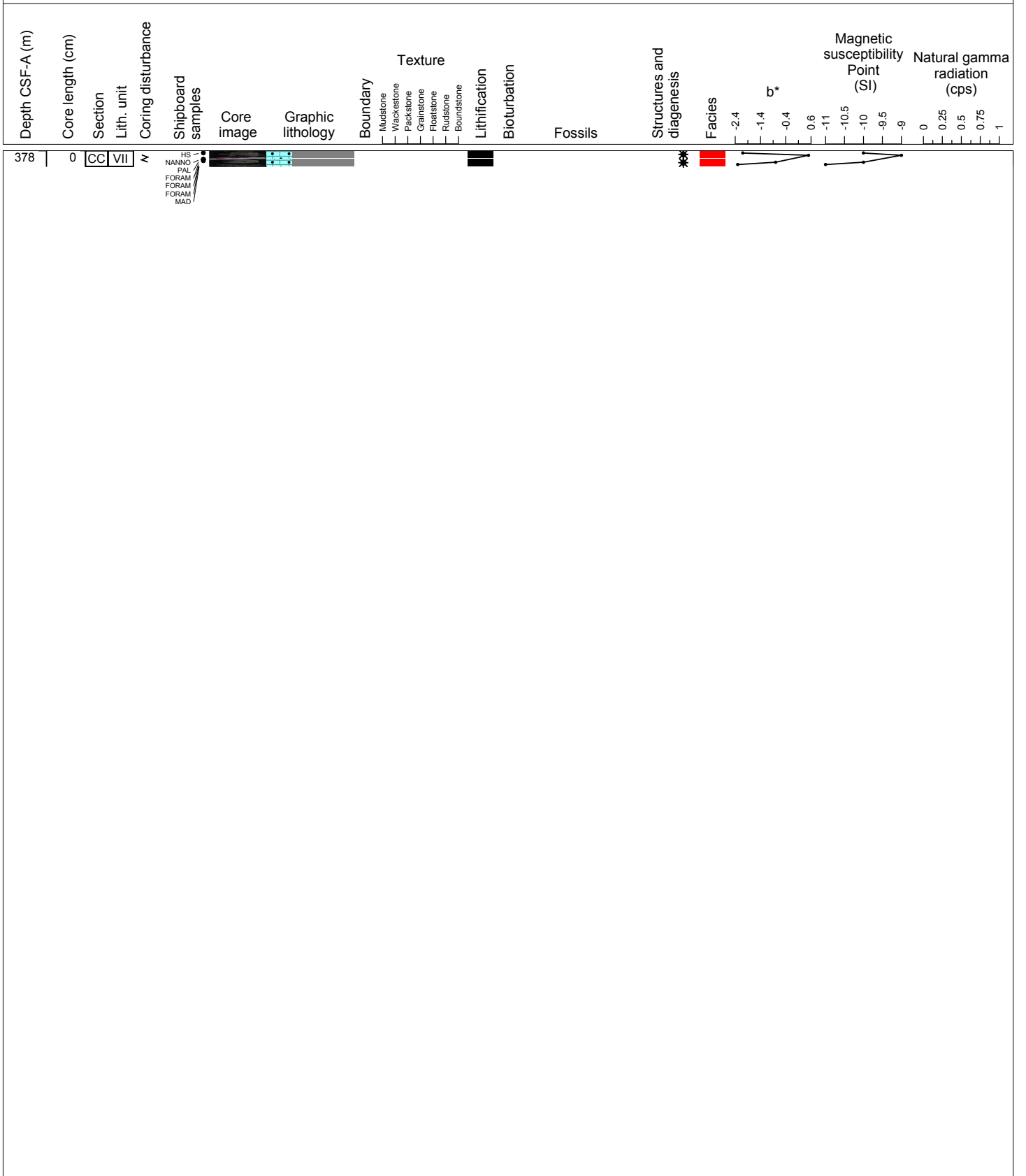
Hole 356-U1459C Core 37R, Interval 373.2-373.66 m (CSF-A)

Top to base: lithified, light greenish-gray, dolomitic, PACKSTONE contains wavy, subhorizontal, brown, laminations. Below a PAL void, there is microcrystalline, dark gray, CHERT with bands, veins and cavities filled with light greenish-gray, packstone with glauconite and white carbonate.



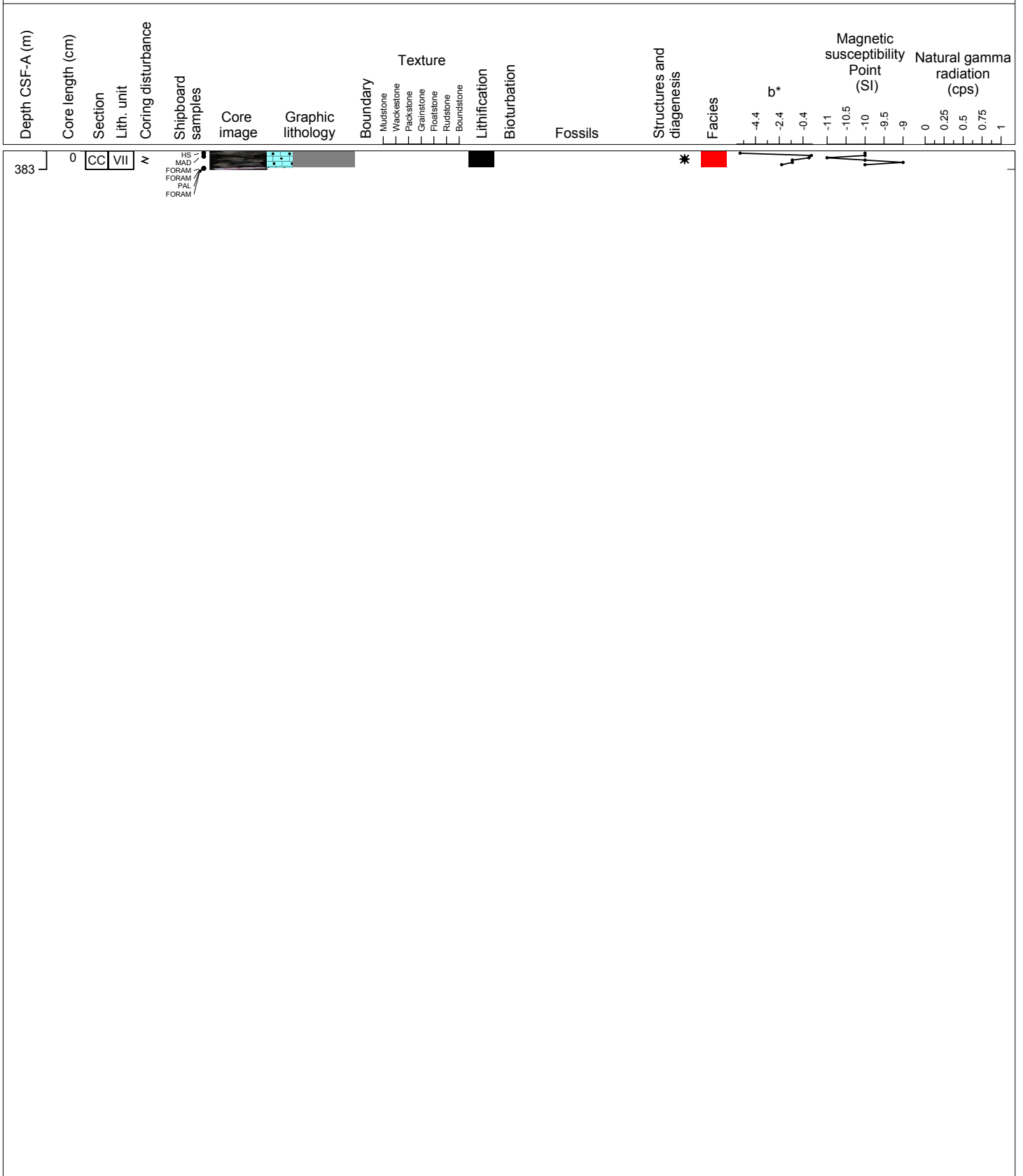
Hole 356-U1459C Core 38R, Interval 378.0-378.17 m (CSF-A)

Microcrystalline, dark gray, CHERT with bands, veins, and cavities filled with white carbonate and/or light greenish-gray packstone with glauconite. PAL sample removed from the middle of the section.



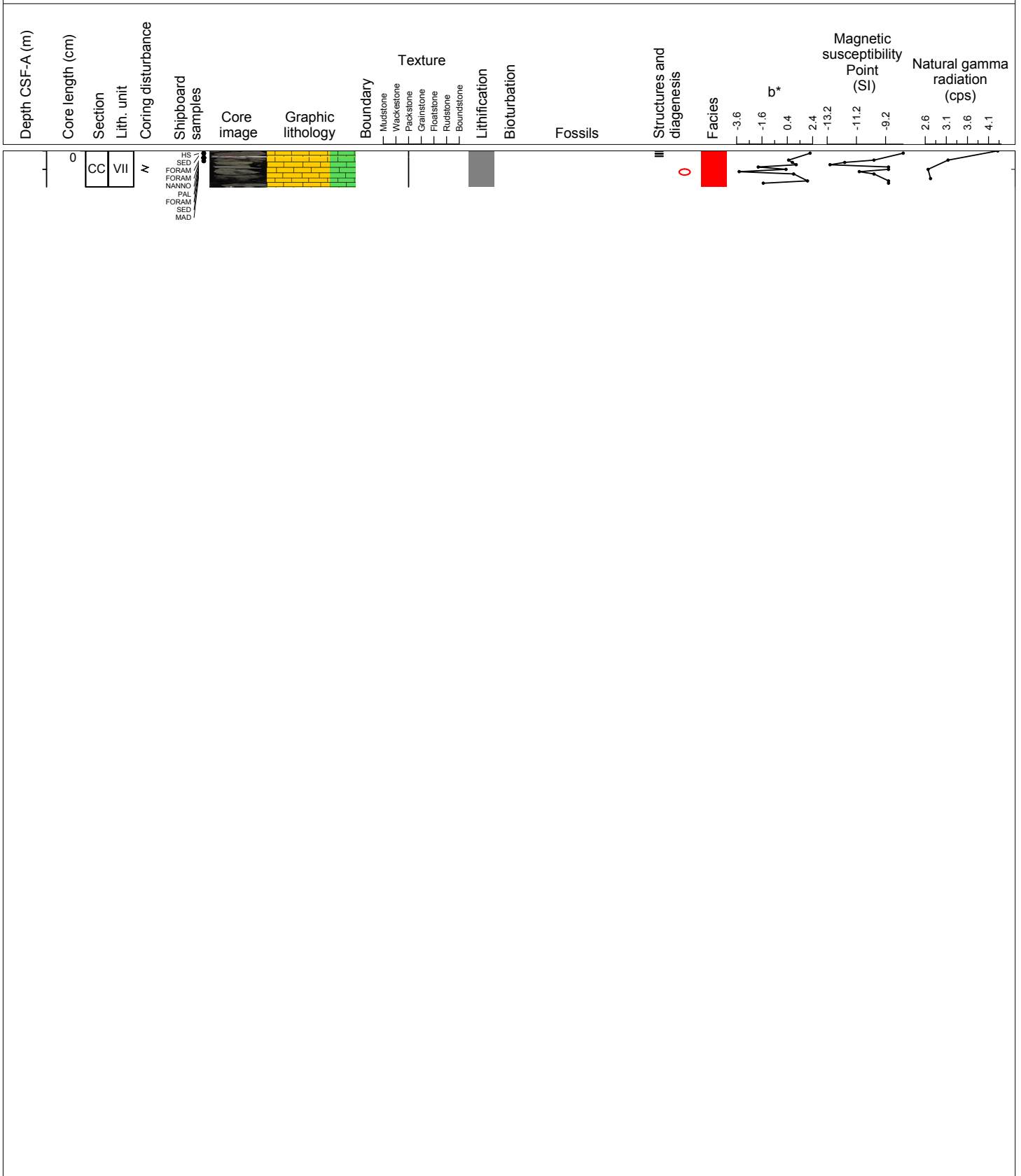
Hole 356-U1459C Core 39R, Interval 382.8-383.0 m (CSF-A)

Microcrystalline, dark gray CHERT with veins, cavities and bands filled with white carbonate and/or light greenish-gray packstone with glauconite.



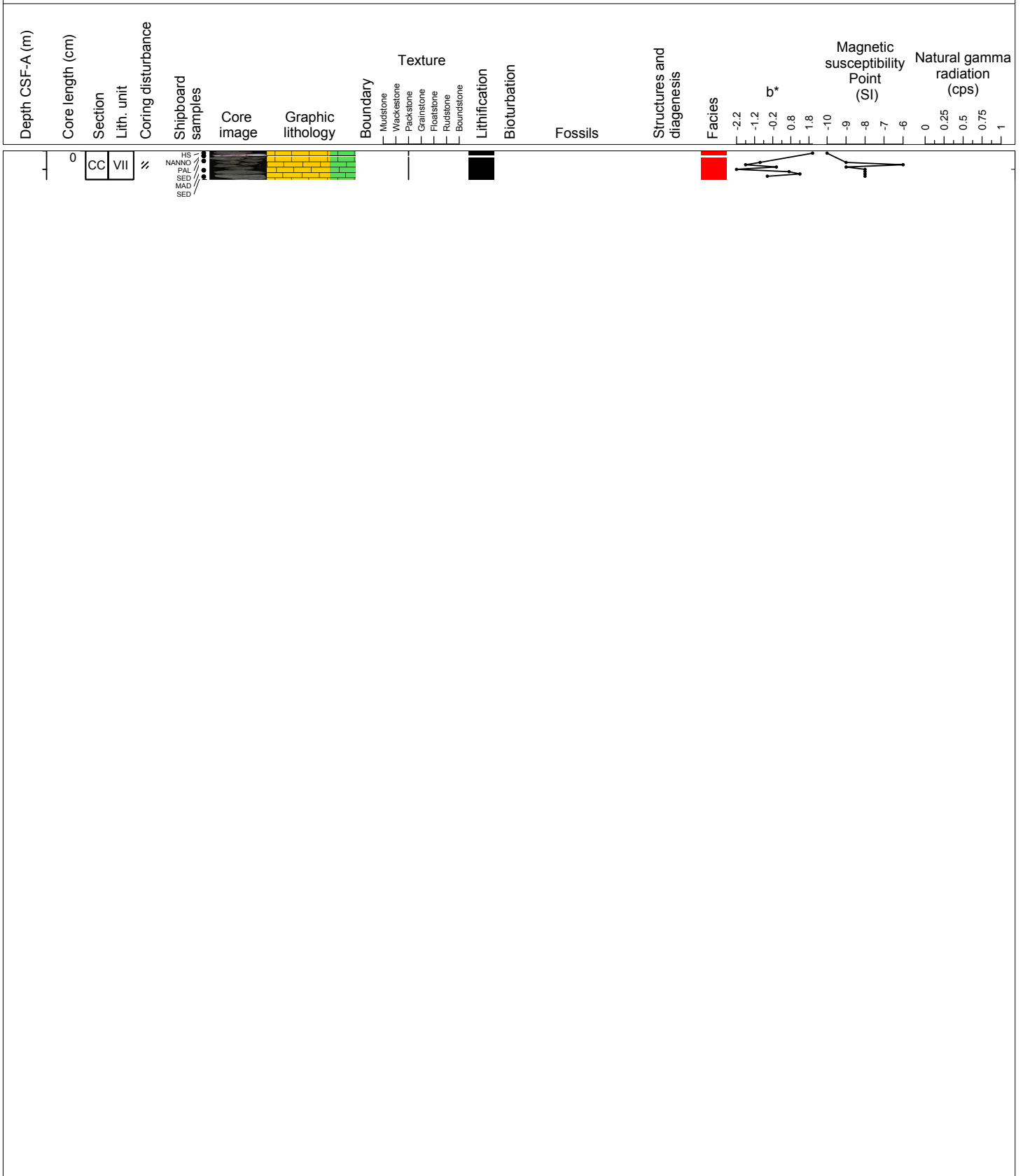
Hole 356-U1459C Core 40R, Interval 387.6-387.99 m (CSF-A)

Top to base: partially-lithified, light greenish-gray, PACKSTONE with parallel laminations (brown) transitions into partially-lithified, light greenish-gray, PACKSTONE containing CHERT nodules and bands. The chert is dark gray and contains cavities filled with white carbonate.



Hole 356-U1459C Core 41R, Interval 392.4-392.71 m (CSF-A)

Top to base: lithified, light greenish-gray, PACKSTONE with glauconite. Glauconite grains are smaller than in the previous core sections. The packstone also contains CHERT inclusions. This core section is also more lithified than the most-immediate above core sections. PAL sample removed from the middle of the section.



Hole 356-U1459C Core 42R, Interval 397.2-397.72 m (CSF-A)

Top to base: lithified, gray, PACKSTONE with glauconite and parallel laminations (brown; likely mud). Below a PAL sample void, the PACKSTONE continues but now with dark gray CHERT bands (which have carbonate-filled cavities).

