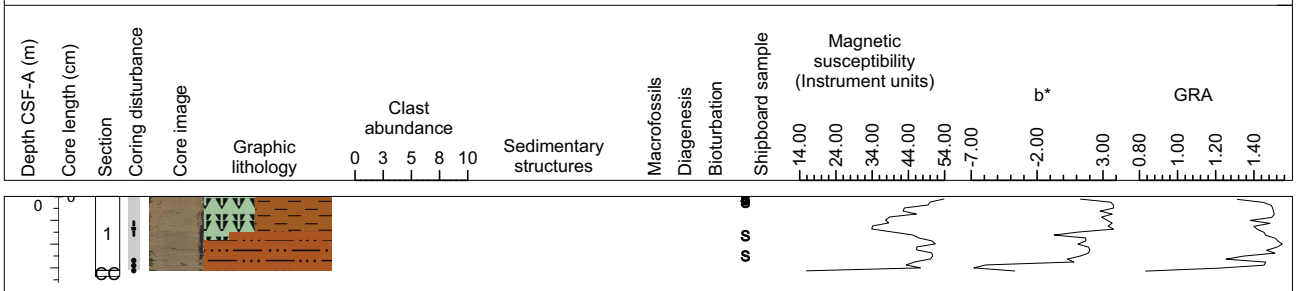
Core Photo

Hole 318-U1359A Core 1H, Interval 0.0-0.67m (CSF-A)

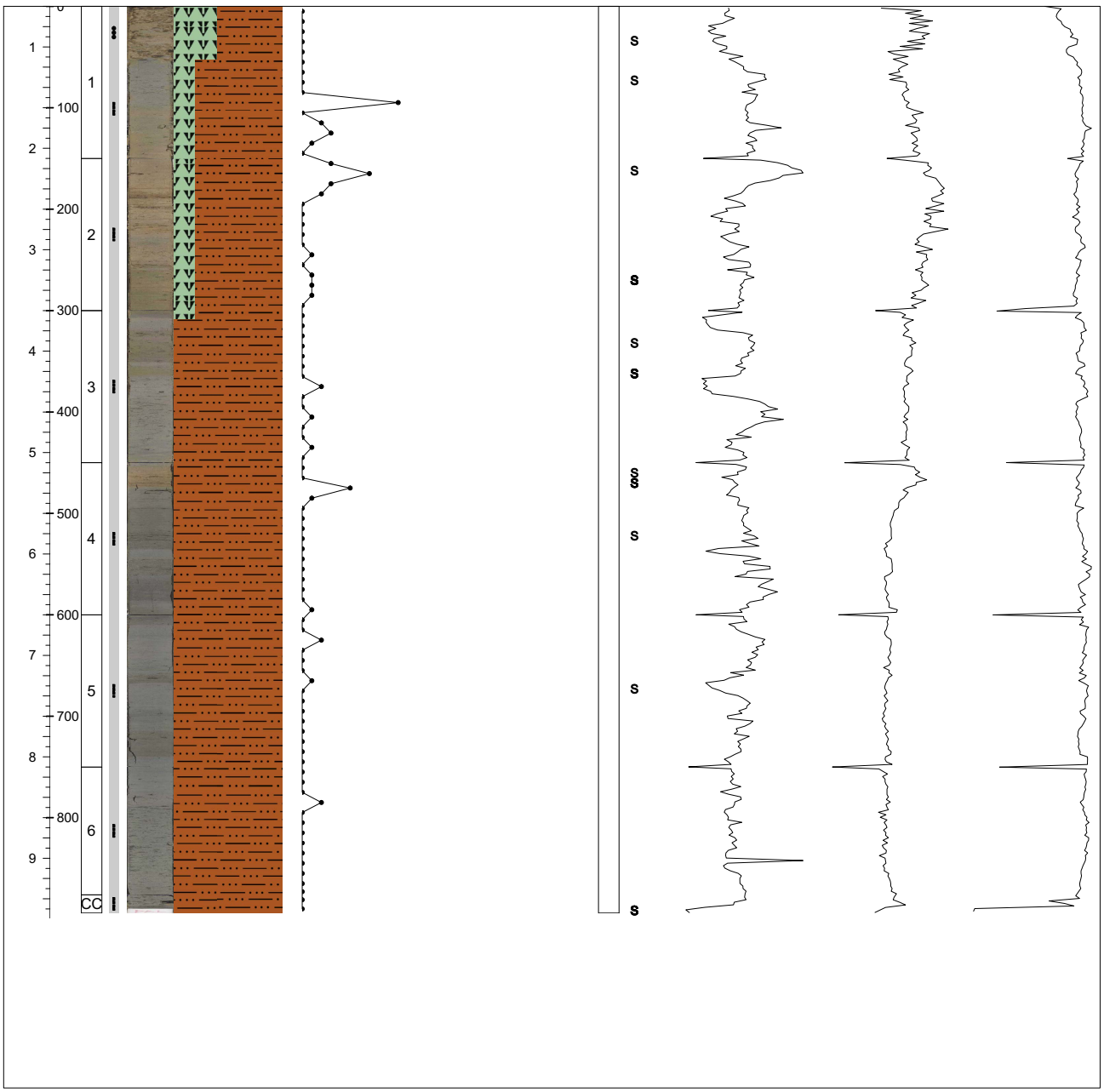
DIATOM-RICH CLAY, DIATOM-BEARING SILTY CLAY AND SILTY CLAY. Colour: pale yellow to light yellowish brown. Dispersed granules are present in the upper 36cm of the core.



Core Photo

Hole 318-U1359A Core 2H, Interval 0.6-9.54m (CSF-A)

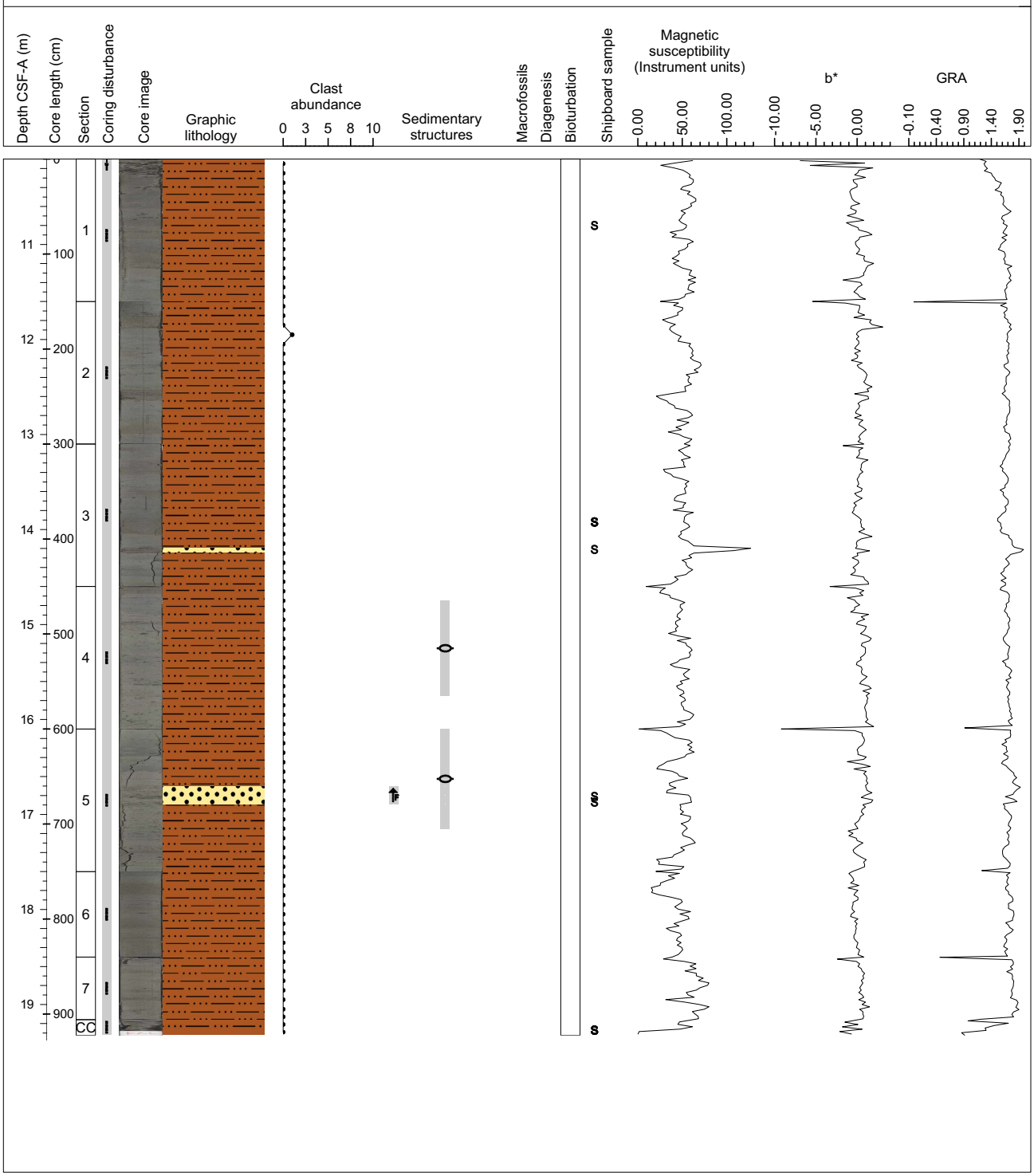
DIATOM-BEARING SILTY CLAY WITH DISPERSED CLASTS. The upper 3.08 m of this core consists of yellow brown diatom-bearing to -rich silty clay with dispersed clasts. This passes sharply down into a silty clay with dispersed clasts (with 5-10% diatoms in smear slides) that is characterized by interbeds as defined by color variations of a light gray color grading down into a darker gray color. There appears to be slight grainsize variations between silty clay and clayey silt throughout. Contacts are sharp and bioturbated with cm-scale oblate burrows. Clasts are granule to pebble size and lithologies include basalt and quartzite.



Core Photo

Hole 318-U1359A Core 3H, Interval 10.1-19.32m (CSF-A)

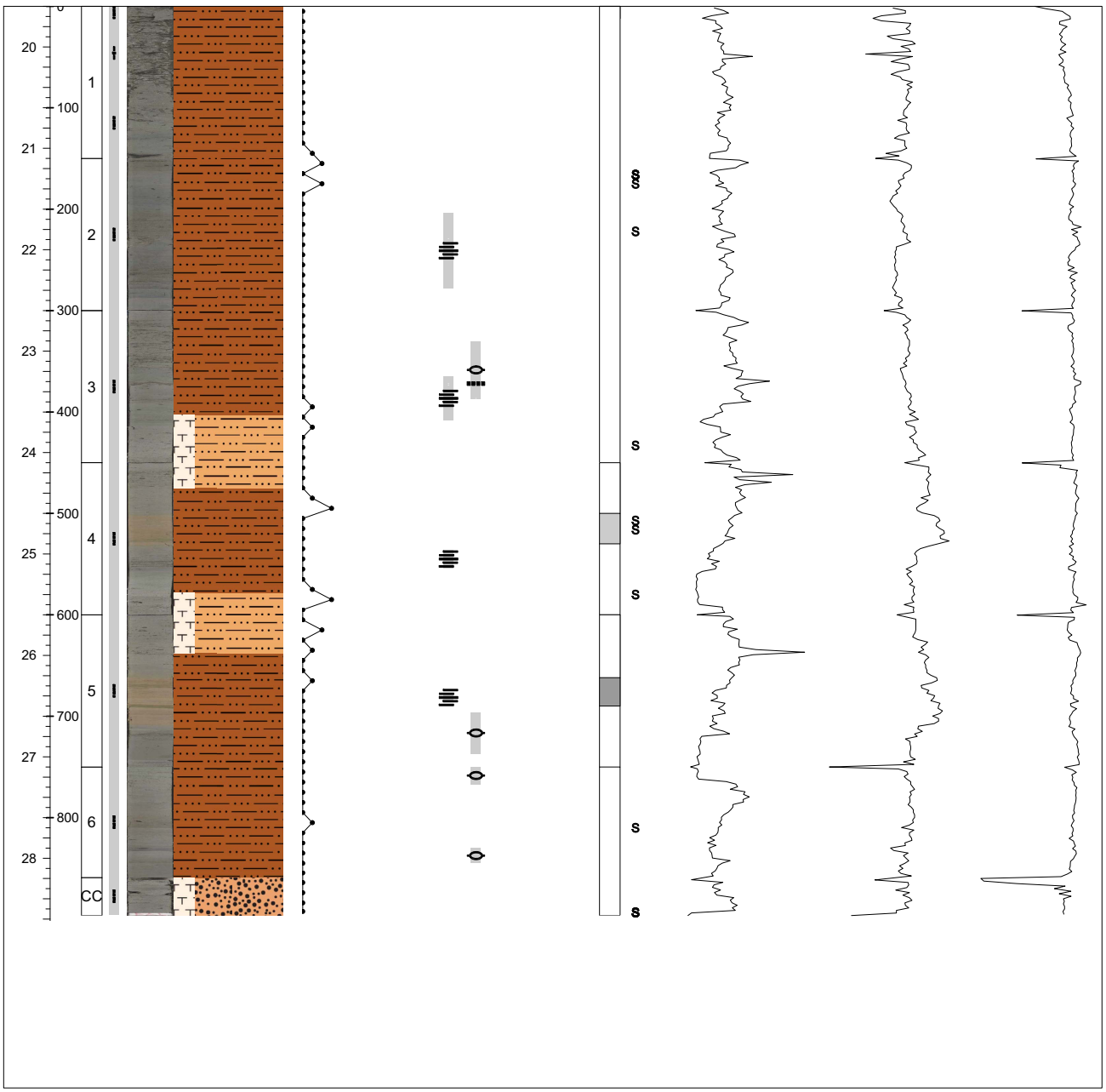
SILTY CLAY. An olive gray silty clay (with 5-10% diatoms in smear sildes) that is characterized by interbeds as defined by color variations. The interbeds are identified by a light gray color grading down into a darker gray color. There appears to be slight grain size variations throughout between silty clay and clayey silt. Contacts between color variations are sharp and bioturbated with cm-scale oblate burrows andpossible mm-scale horizontal burrows. Two 5- 19 cm sand beds with diffuse upper and sharp lower contacts occur, and one of these beds appears to have crude normal grading.



Core Photo

Hole 318-U1359A Core 4H, Interval 19.6-28.56m (CSF-A)

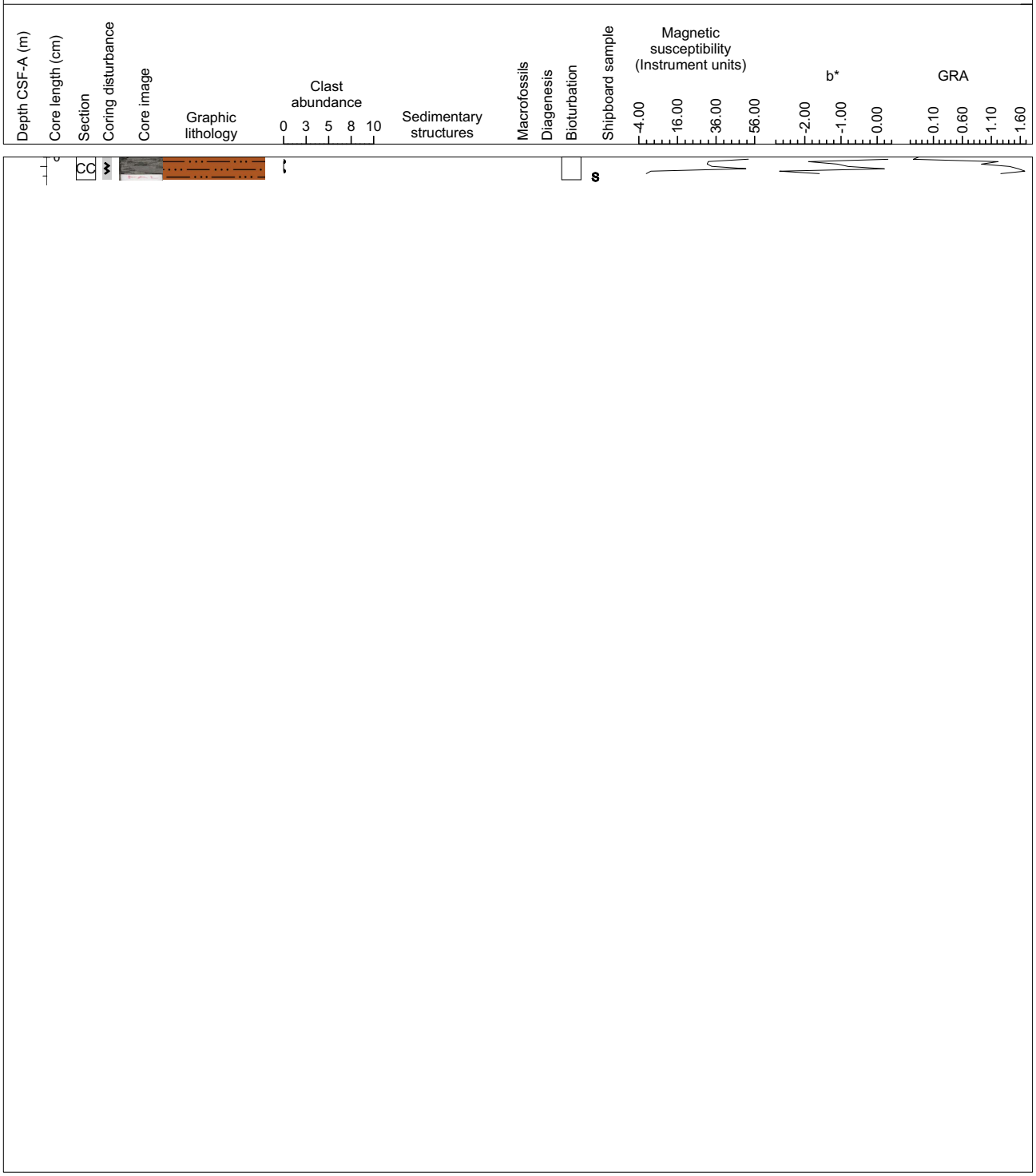
SILTY CLAY WITH DISPERSED CLASTS AND FORAMINIFERA-BEARING SILTY CLAY/CLAYEY SILT. - Interbeds of olive gray and light olive brown silty clay at dm- to m-scale. light olive gray clay to silty clay. Beds are characterized by a light gray color grading down into a dark grey color. Clayey silt beds occur in section 3 and 4 and contain formainifera. Light olive brown intervals have gradational upper and lower contacts and a greater degree of horizontal cm-scale bioturbation. Granule-sized clasts occur sporadically throughout core. This core includes a basal sillty sand interval with common formainifera visible with hand lens.



Core Photo

Hole 318-U1359A Core 5H, Interval 29.1-29.34m (CSF-A)

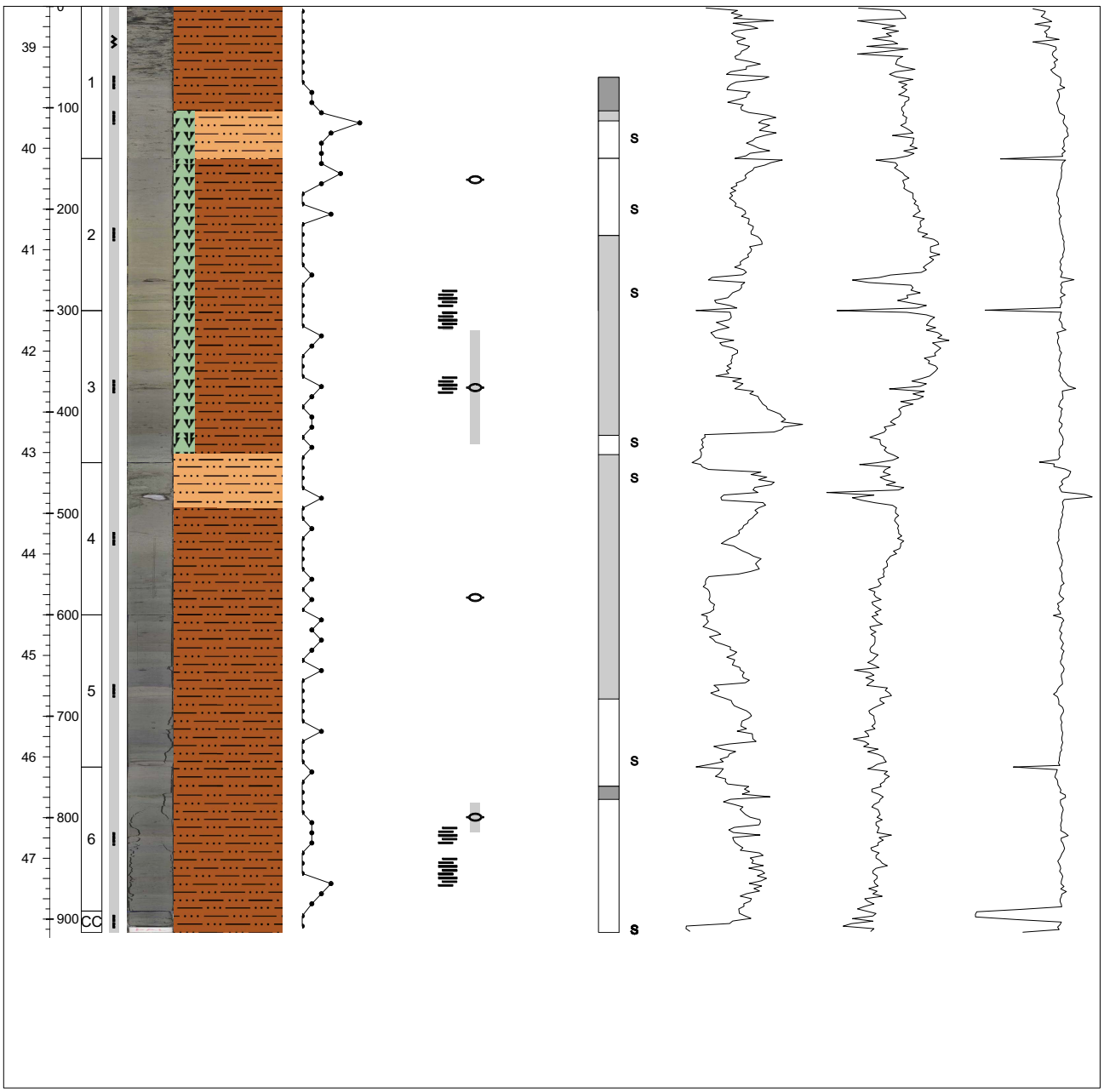
SILTY CLAY WITH DISPERSED CLASTS. Light olive grey color. Core catcher sample only.



Core Photo

Hole 318-U1359A Core 6H, Interval 38.6-47.73m (CSF-A)

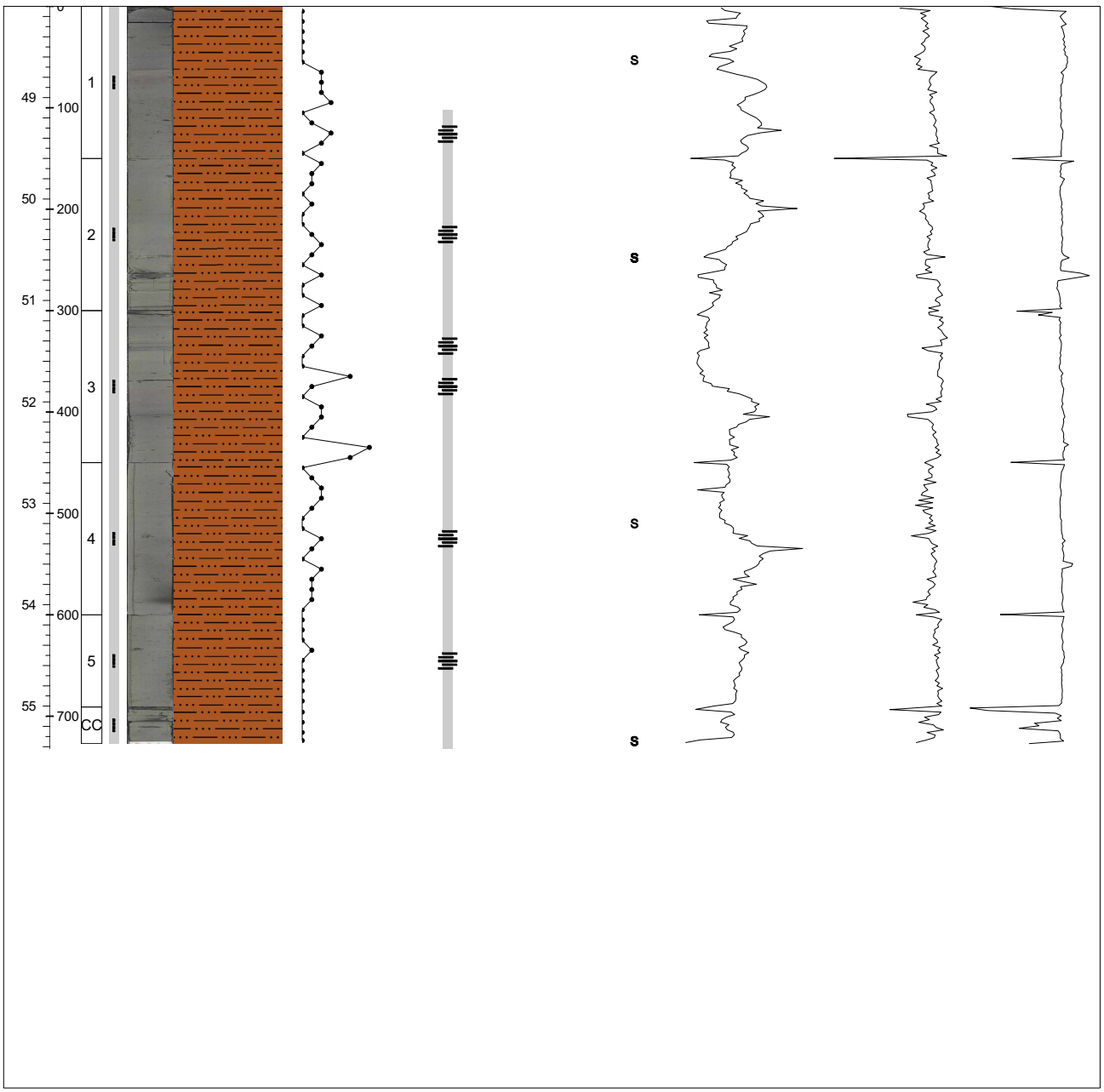
SILTY CLAY WITH DISPERSED CLASTS - Interbeds of olive gray and light olive brown silty clay at dm- to m-scale. Beds are characterized by a light gray color grading down into a dark grey color. Sparse bioturbation as defined by cm-scale oblate burrows, particularly at contacts. Light olive brown intervals in sections 2 and 3 have gradational upper and lower contacts, moderate bioturbation, and are diatom bearing.



Core Photo

Hole 318-U1359A Core 7H, Interval 48.1-55.37m (CSF-A)

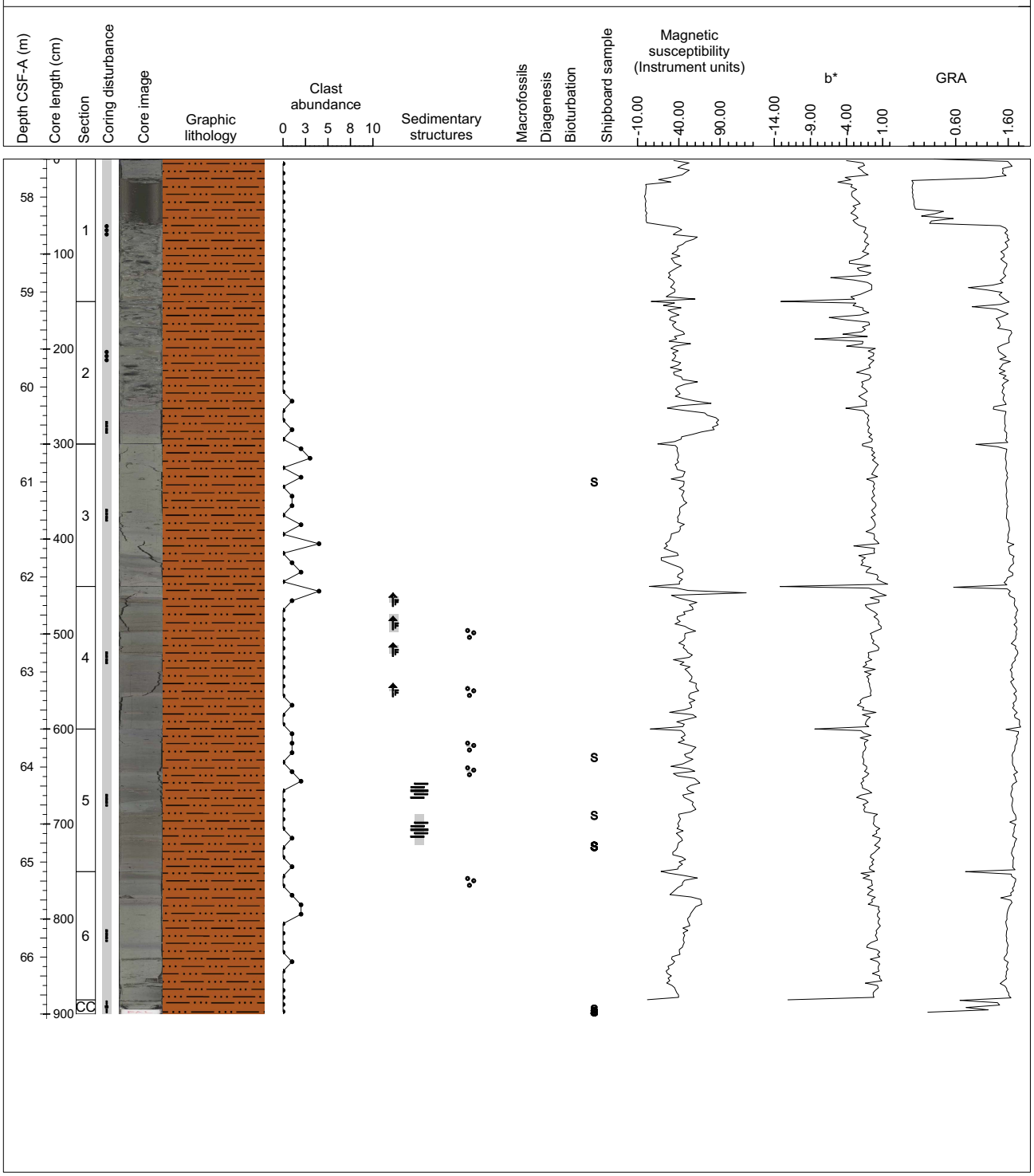
SILTY CLAY WITH DISPERSED CLASTS - olive gray silty clay. Bedding is characterized by a light gray color grading down into a dark grey color over dm- to m-scale. quartz-rich clayey silt bed (firmer) at 96-99 cm (sect2).



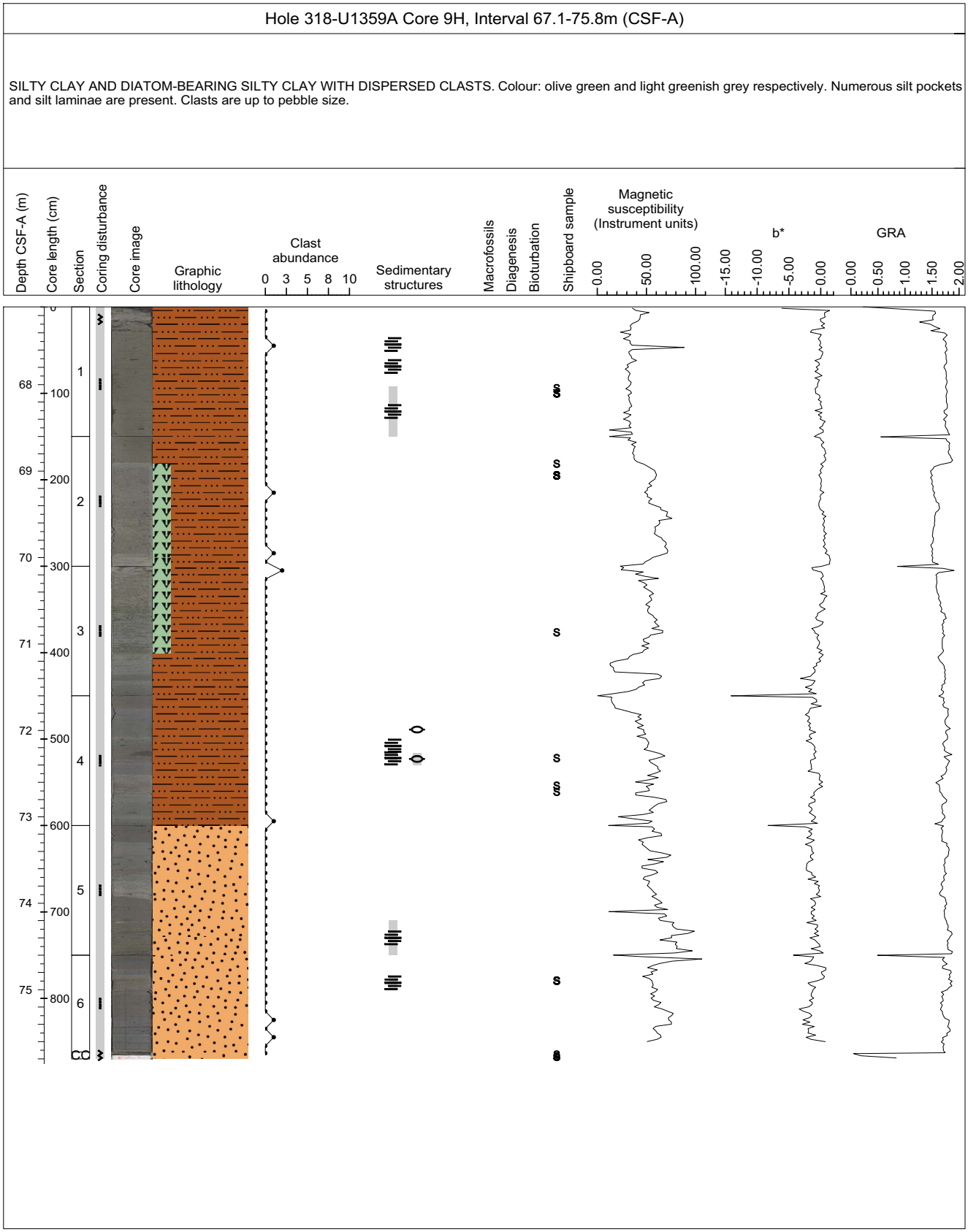
Core Photo

Hole 318-U1359A Core 8H, Interval 57.6-66.6m (CSF-A)

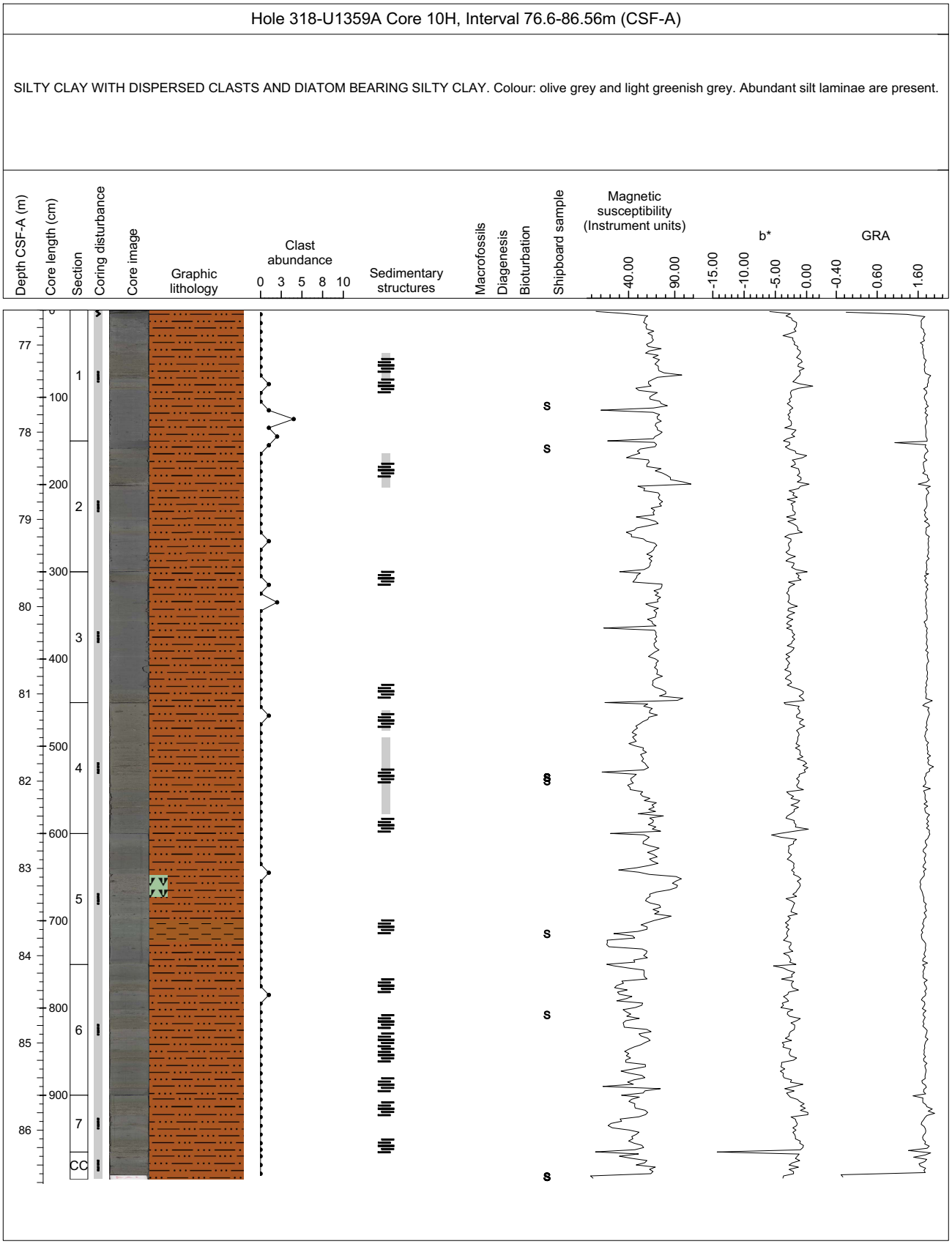
SILTY CLAY WITH DISPERSED CLASTS. Olive grey silty clay with dispersed clasts. Silt-rich laminae and fining up beds are present. Sand pockets are present as well. patchy anomalous colouration is present locally, abrupt colour changes from section to section are common.



Core Photo


Hole 318-U1359A Core 9H, Interval 67.1-75.8m (CSF-A)
SILTY CLAY AND DIATOM-BEARING SILTY CLAY WITH DISPERSED CLASTS. Colour: olive green and light greenish grey respectively. Numerous silt pockets and silt laminae are present. Clasts are up to pebble size.
Depth CSF-A (m)
Core length (cm)
Section
Coring disturbance
Core image
Graphic lithology
Clast abundance
0 3 5 8 10
Sedimentary structures
Macrofossils
Diagenesis
Bioturbation
Shipboard sample
Magnetic susceptibility (Instrument units)
0.00 50.00 100.00
b*
-15.00 -10.00 -5.00 0.00
GRA
0.00 0.50 1.00 1.50 2.00
68 69 70 71 72 73 74 75
100 200 300 400 500 600 700 800
1 2 3 4 5 6 CC

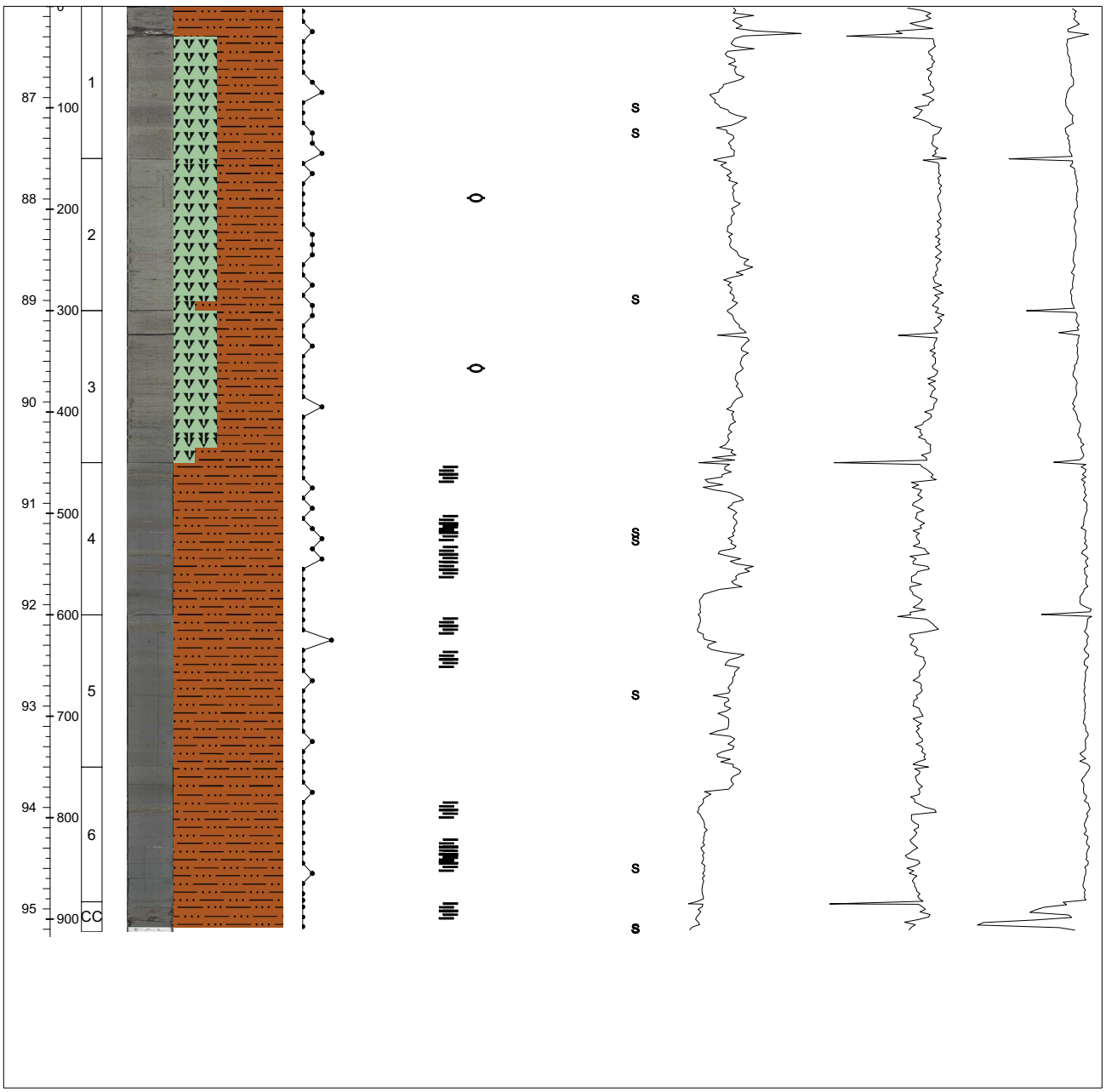
Core Photo


Hole 318-U1359A Core 10H, Interval 76.6-86.56m (CSF-A)
SILTY CLAY WITH DISPERSED CLASTS AND DIATOM BEARING SILTY CLAY. Colour: olive grey and light greenish grey. Abundant silt laminae are present.
Depth CSF-A (m)
Core length (cm)
Section
Coring disturbance
Core image
Graphic lithology
Clast abundance
0 3 5 8 10
Sedimentary structures
Macrofossils
Diagenesis
Bioturbation
Shipboard sample
Magnetic susceptibility (Instrument units)
40.00 90.00
b*
-15.00 -10.00 -5.00 0.00
GRA
-0.40 0.60 1.60
77 78 79 80 81 82 83 84 85 86
100 200 300 400 500 600 700 800 900
1 2 3 4 5 6 7 CC
S

Core Photo

Hole 318-U1359A Core 11H, Interval 86.1-95.22m (CSF-A)

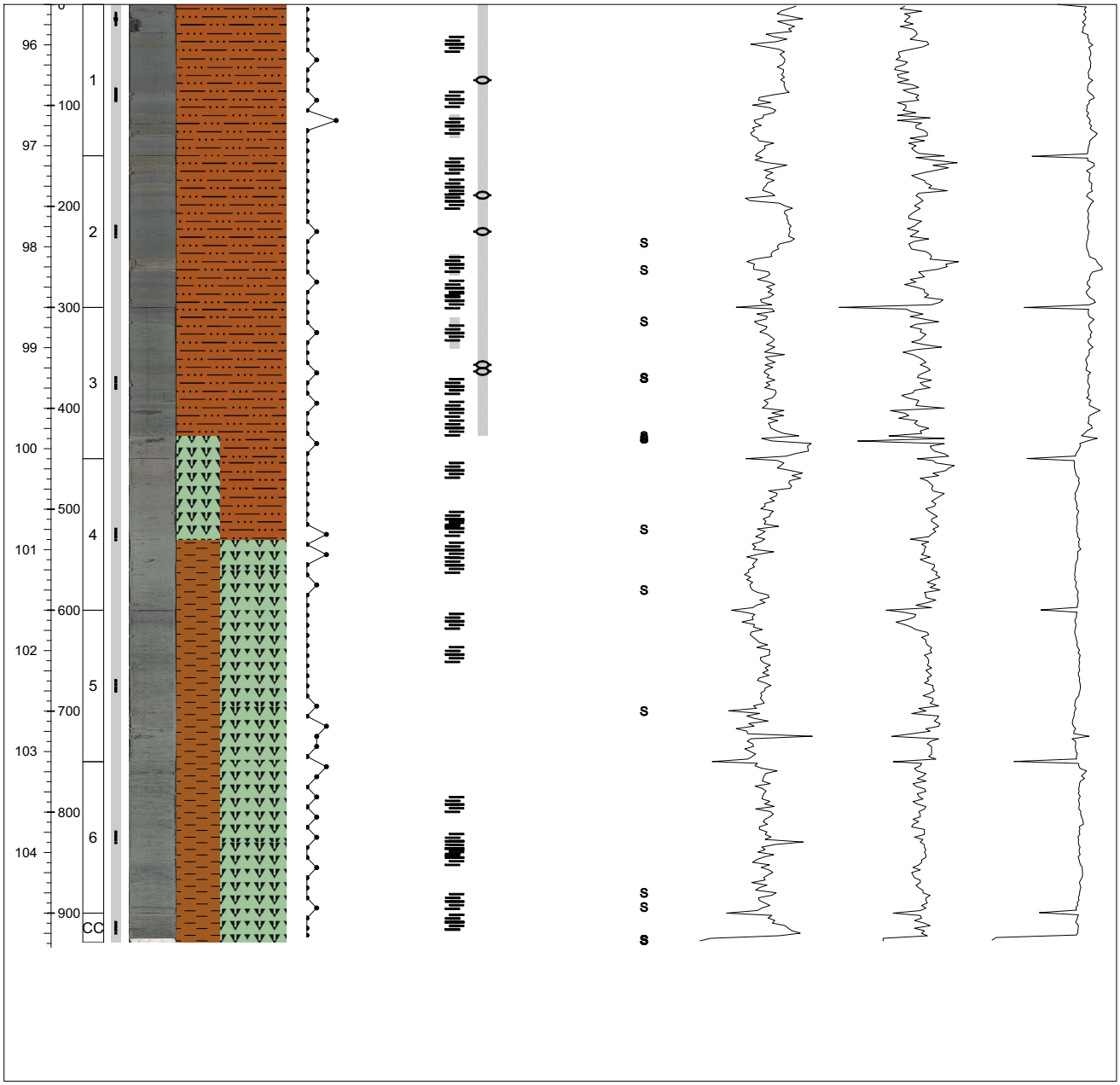
DIATOM-RICH SILTY CLAY AND SILTY CLAY WITH DISPERSED CLASTS. Colour: light greenish grey and dark olve grey, respectively. Numerous silt pockets and laminations present throughout. SILTY CLAY beds in sections 4, 5, 6, and CC. Clasts < 5mm with the exception of 1 pebble sized clast in section 1.



Core Photo

Hole 318-U1359A Core 12H, Interval 95.6-104.89m (CSF-A)

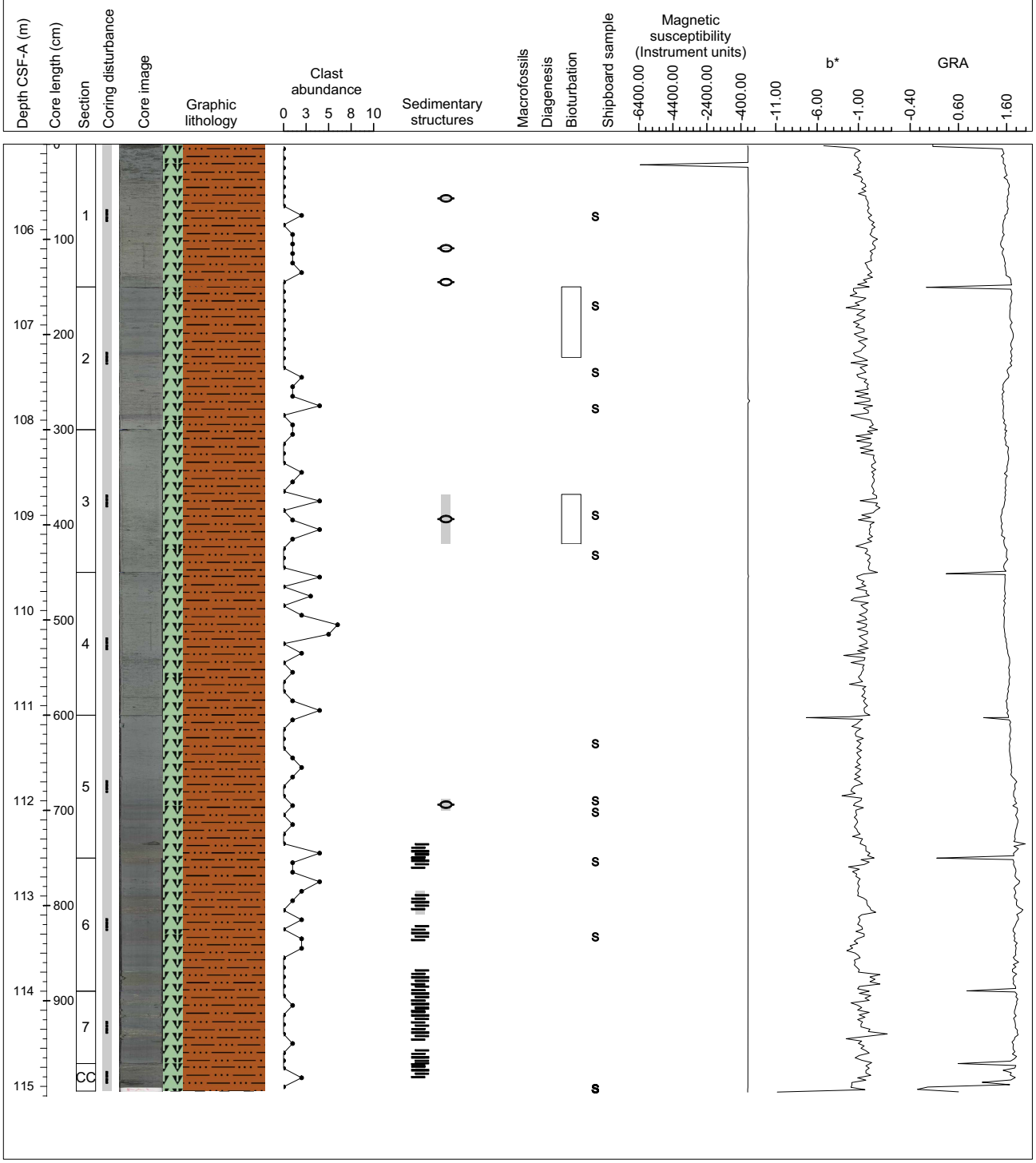
SILTY CLAY WITH DISPERSED CLASTS, DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS AND CLAY-RICH DIATOM OOZE WITH DISPERSED CLASTS. Light olive grey to light greenish grey colour. Numerous silt laminations are present throughout silty clay lithology in upper part of the core. Clasts present throughout section up to pebble size.



Core Photo

Hole 318-U1359A Core 13H, Interval 105.1-115.05m (CSF-A)

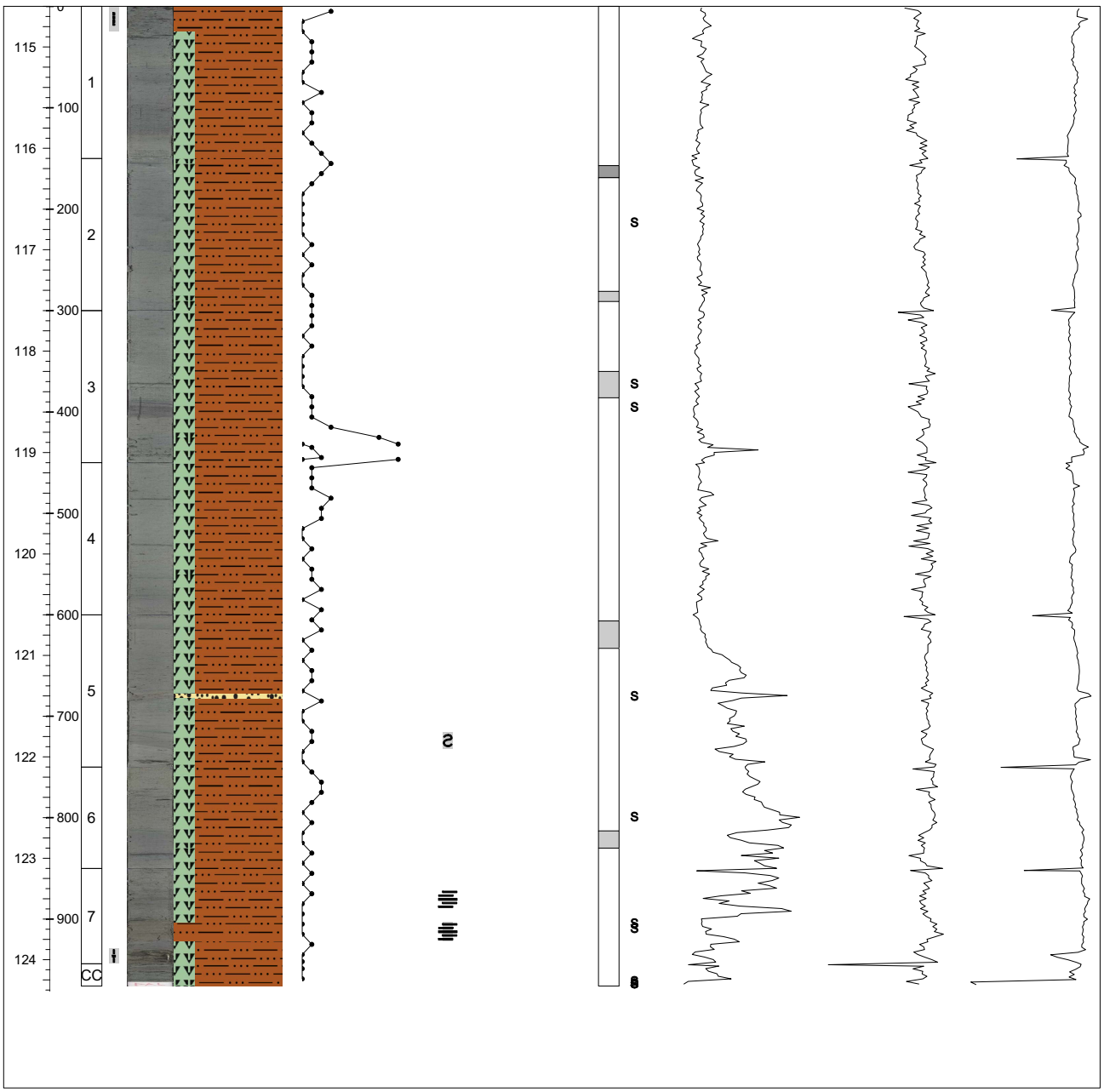
DIATOM BEARING SILTY CLAY WITH DISPERSED CLASTS. The upper 6.7 m of this core consists of silty clay with dispersed clasts, some sections of which are diatom-bearing to biosiliceous-rich (e.g diatoms + spicules). This interval is mostly structureless, but contains rare mm-scale sand pockets and faint bedding as defined by dark color bands. The lowermost section of the core is a clay with dispersed clasts, with ~10cm thick packages of mm-scale laminae of silt to fine sand (that are biosiliceous-bearing to -rich).



Core Photo

Hole 318-U1359A Core 14H, Interval 114.6-124.26m (CSF-A)

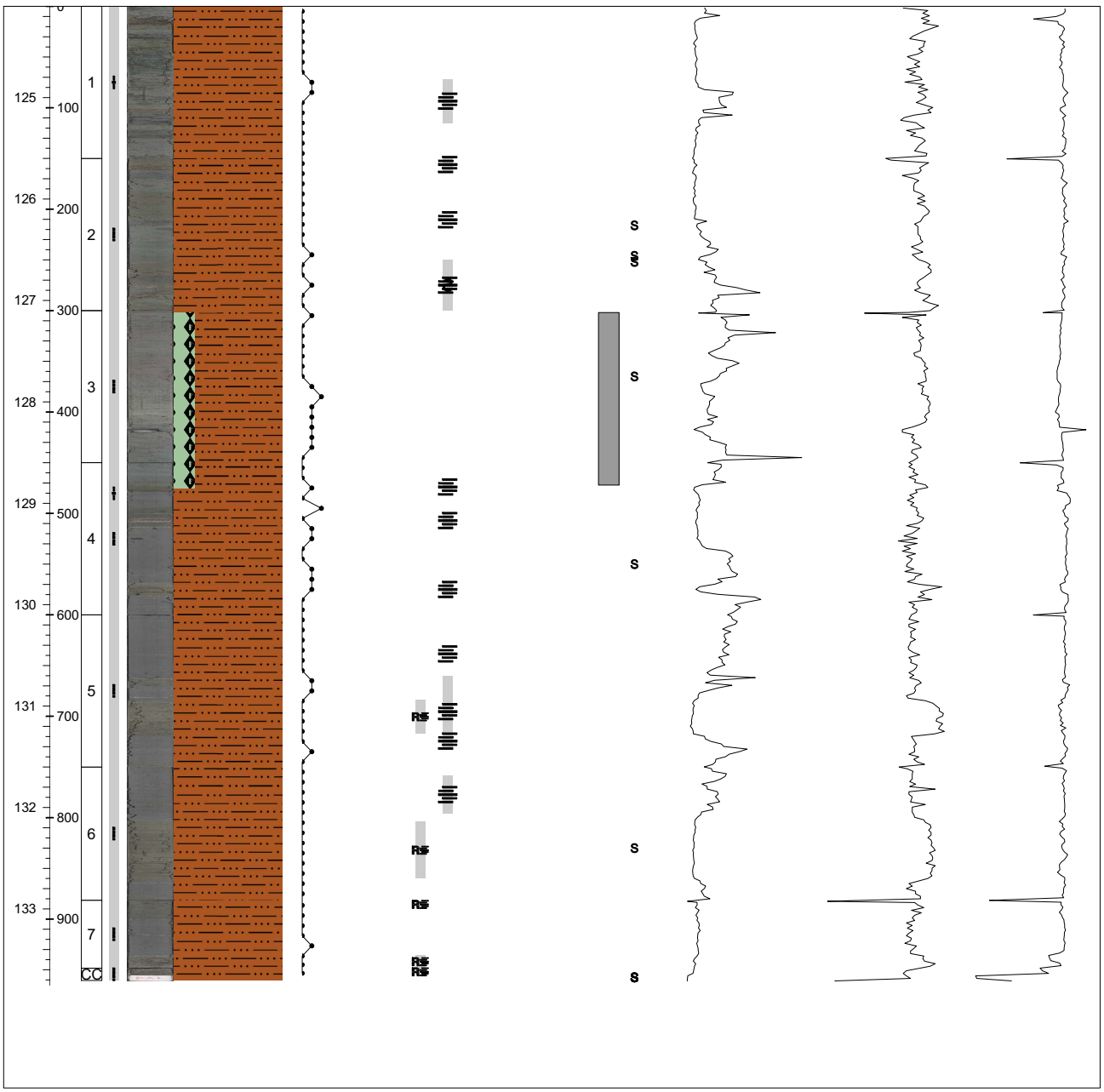
DIATOM BEARING SILTY CLAY WITH DISPERSED CLASTS. The core consist of diatom bearing silty clay with dispersed clasts. This interval is mostly structureless with faint bedding as defined by dark color bands, and sparse bioturbation. Contains rare mm-scale sand pockets, and a sand bed in section 5 . The lowermost section of the core is a silty clay with dispersed clasts and~10cm thick packages of mm-scale laminae of silt to fine sand.



Core Photo

Hole 318-U1359A Core 15H, Interval 124.1-133.705m (CSF-A)

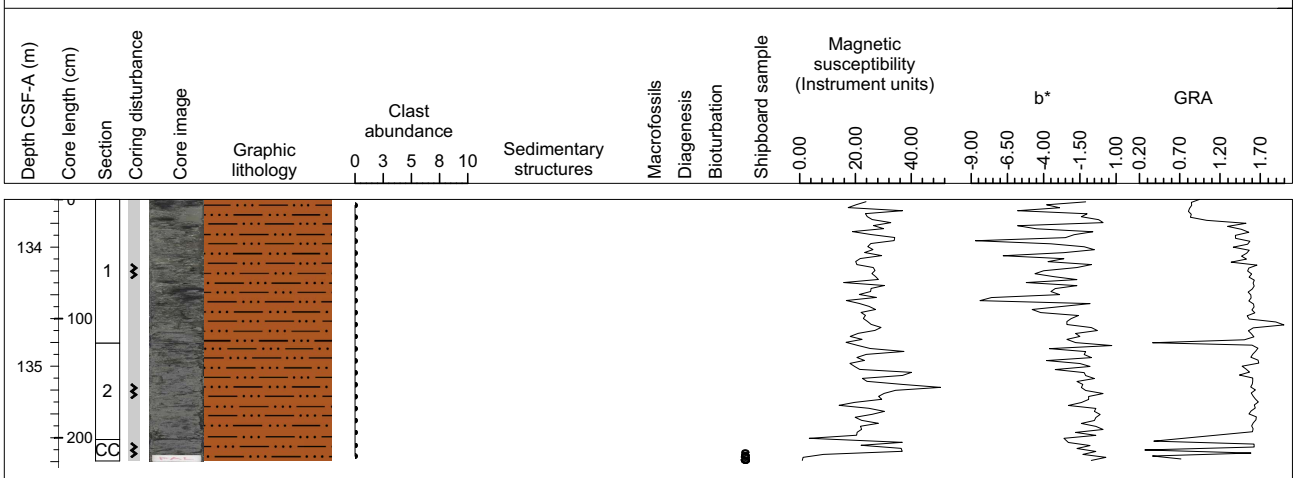
SILTY CLAY WITH DISPERSED CLASTS. The upper ~3m of the core consists of interbeds of light greenish gray and brownish gray at 10-50cm scale. The brownish gray beds are associated with regular laminae of fine sandy silt. Below this is a ~1.7m interval of biosiliceous bearing silty clay that is moderately bioturbated. The base of the core returns to the greenish/brownish gray interbeds of silty clay, but several intervals of brownish gray beds (up to ~50cm thick) contain rhythmic couplets of silt and clay laminae (each ~5mm thick) with sharp upper and lower contacts.



Core Photo

Hole 318-U1359A Core 16H, Interval 133.6-135.795m (CSF-A)

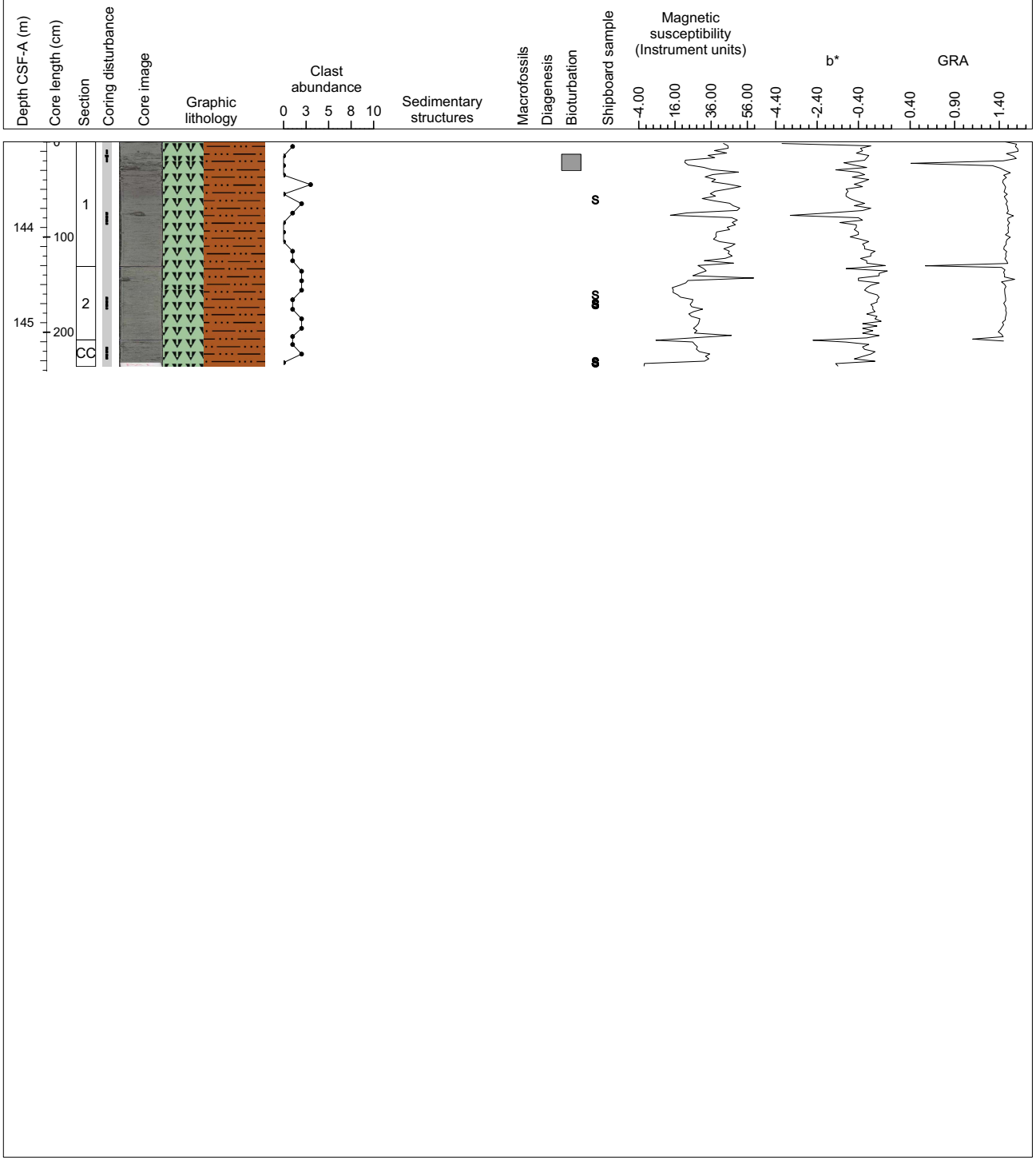
SILTY CLAY. Greenish grey silty clay, highly disturbed by drilling activities. STRATIGRAPHIC INTEGRITY IS HIGHLY SUSPECT.



Core Photo

Hole 318-U1359A Core 17H, Interval 143.1-145.46m (CSF-A)

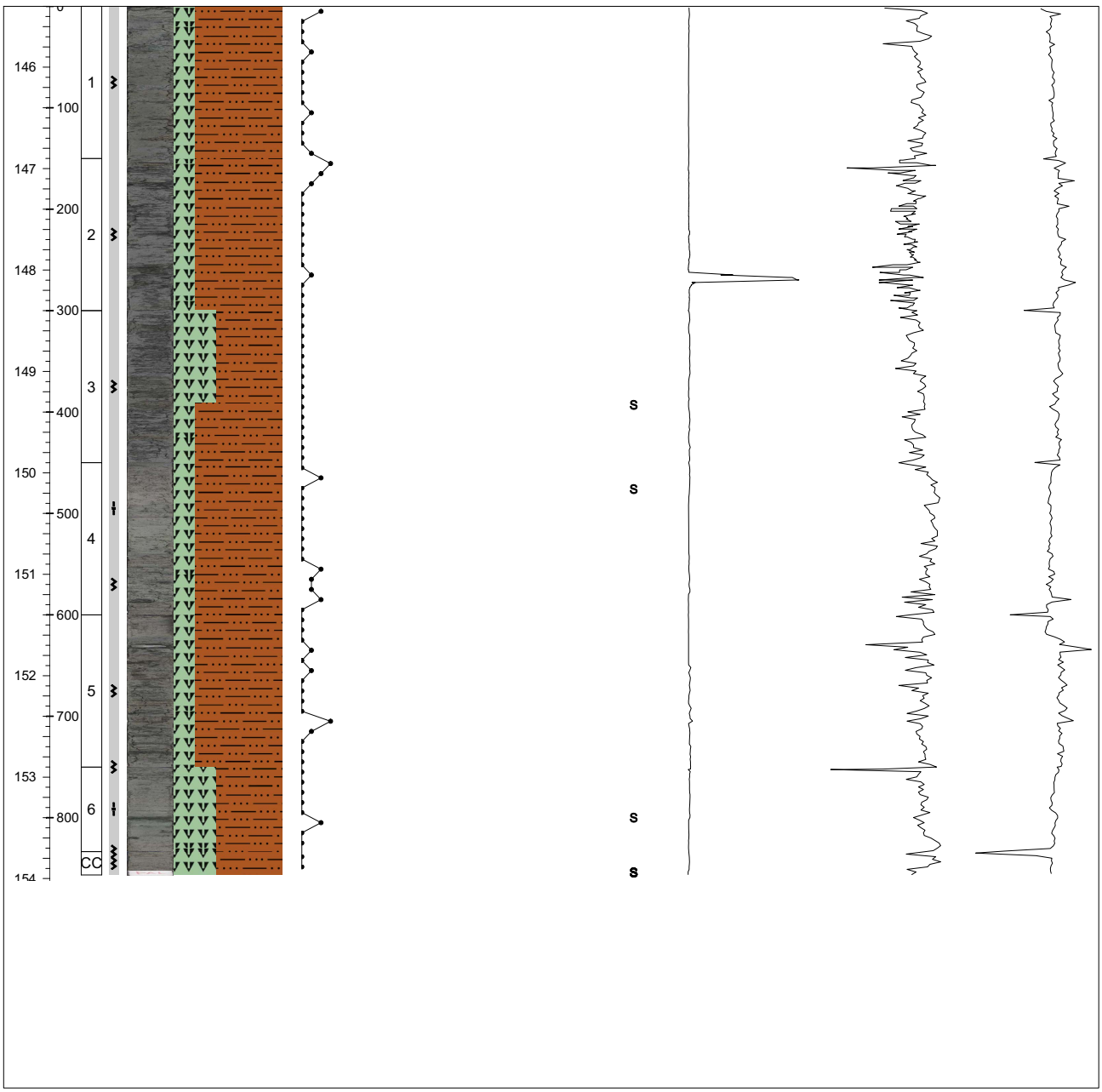
DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS. Light greenish gray massive diatom-bearing to -rich silty clay with dispersed clasts up to pebble size. Moderate bioturbation throughout.



Core Photo

Hole 318-U1359A Core 18X, Interval 145.4-153.965m (CSF-A)

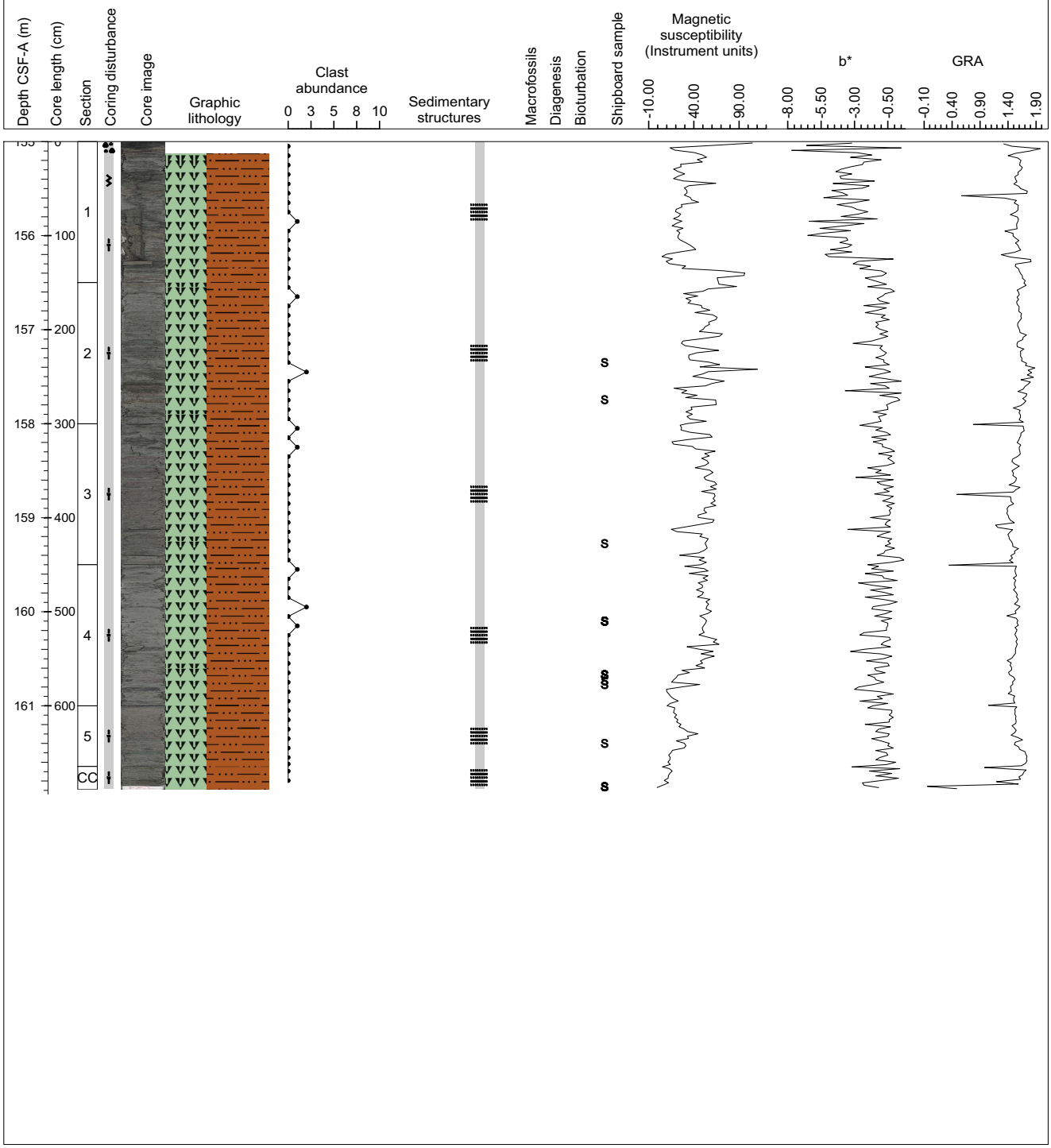
DIATOM-BEARING SILTY CLAY WITH CLASTS. This interval is highly disturbed by drilling with common biscuiting, brecciation and flow structures. There is evidence of interbeds between greenish grey and brownish grey, although original sedimentary structures are obscured by the drilling disturbance.



Core Photo

Hole 318-U1359A Core 19X, Interval 155.0-161.885m (CSF-A)

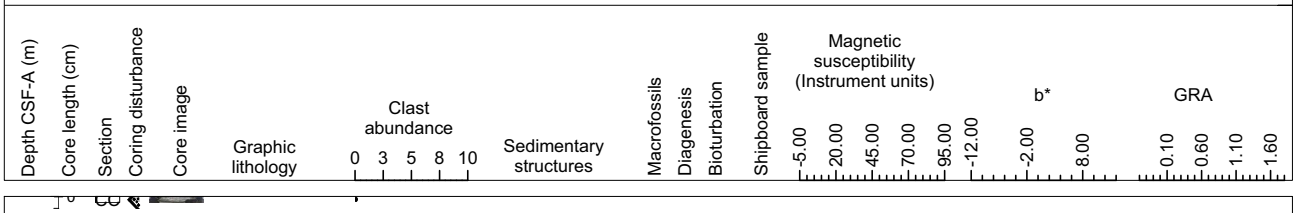
DIATOM RICH SILTY CLAY WITH CLAY RICH DIATOM OOZE INTERSTRATIFICATION. Colour: greenish grey to dark greyish green. Two pebbles >6cm and >3cm which maybe silica cemented horizons.



Core Photo

Hole 318-U1359A Core 20X, Interval 164.6-164.65m (CSF-A)

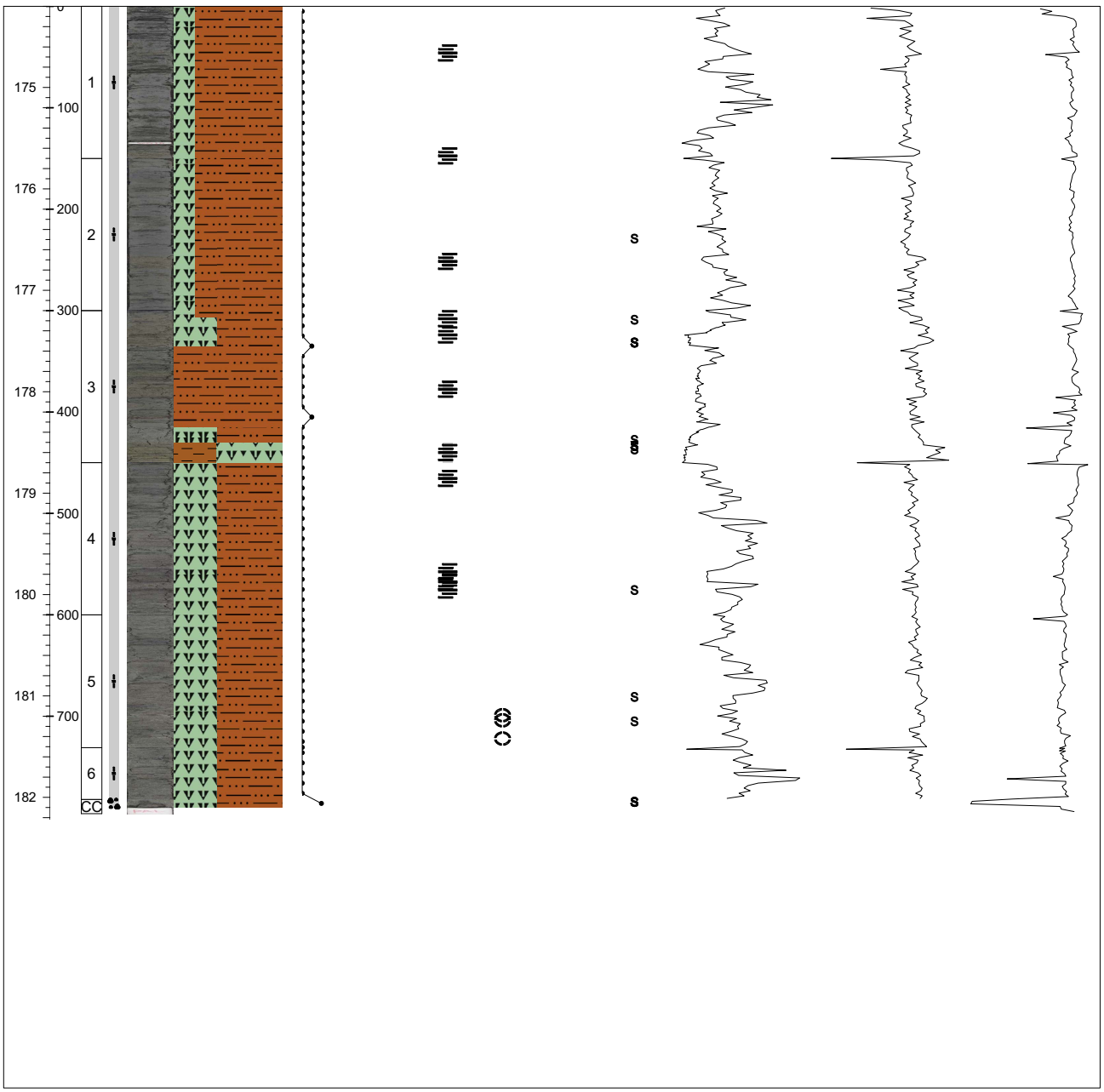
Single clast in core catcher. Appears similar lithology from core above but with silica cement. Possible cemented horizon.



Core Photo

Hole 318-U1359A Core 21X, Interval 174.2-182.16m (CSF-A)

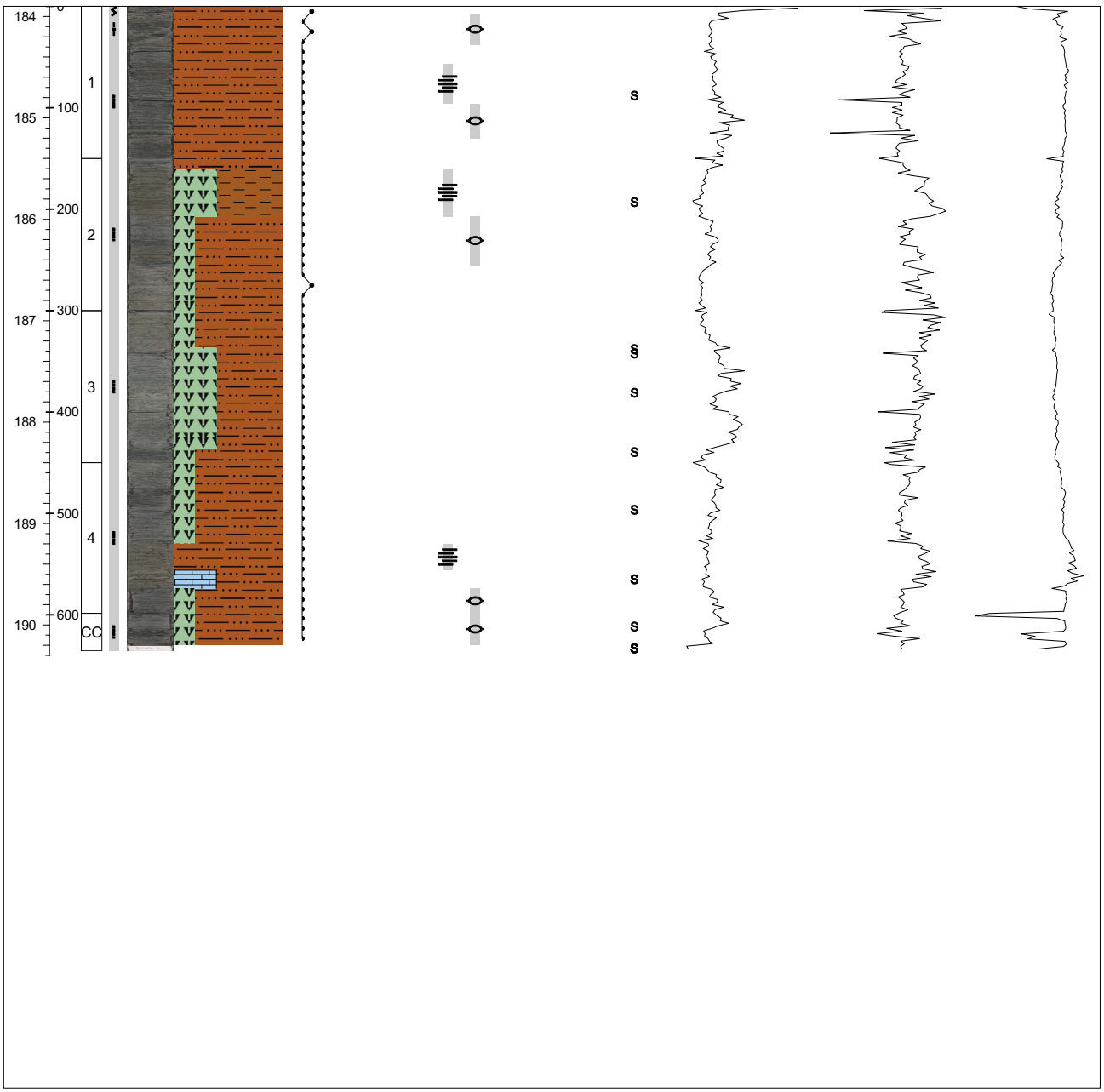
DIATOM-BEARING AND DIATOM-RICH SILTY CLAY WITH RARE CLASTS. Olive green grey to light green grey in color. Thin intervals of clay-rich diatom ooze present at base of section 3, yellowish green in color. Disturbed silt laminae present in sectioin 2. Structures in other intervals are most likely disturbed by drilling.



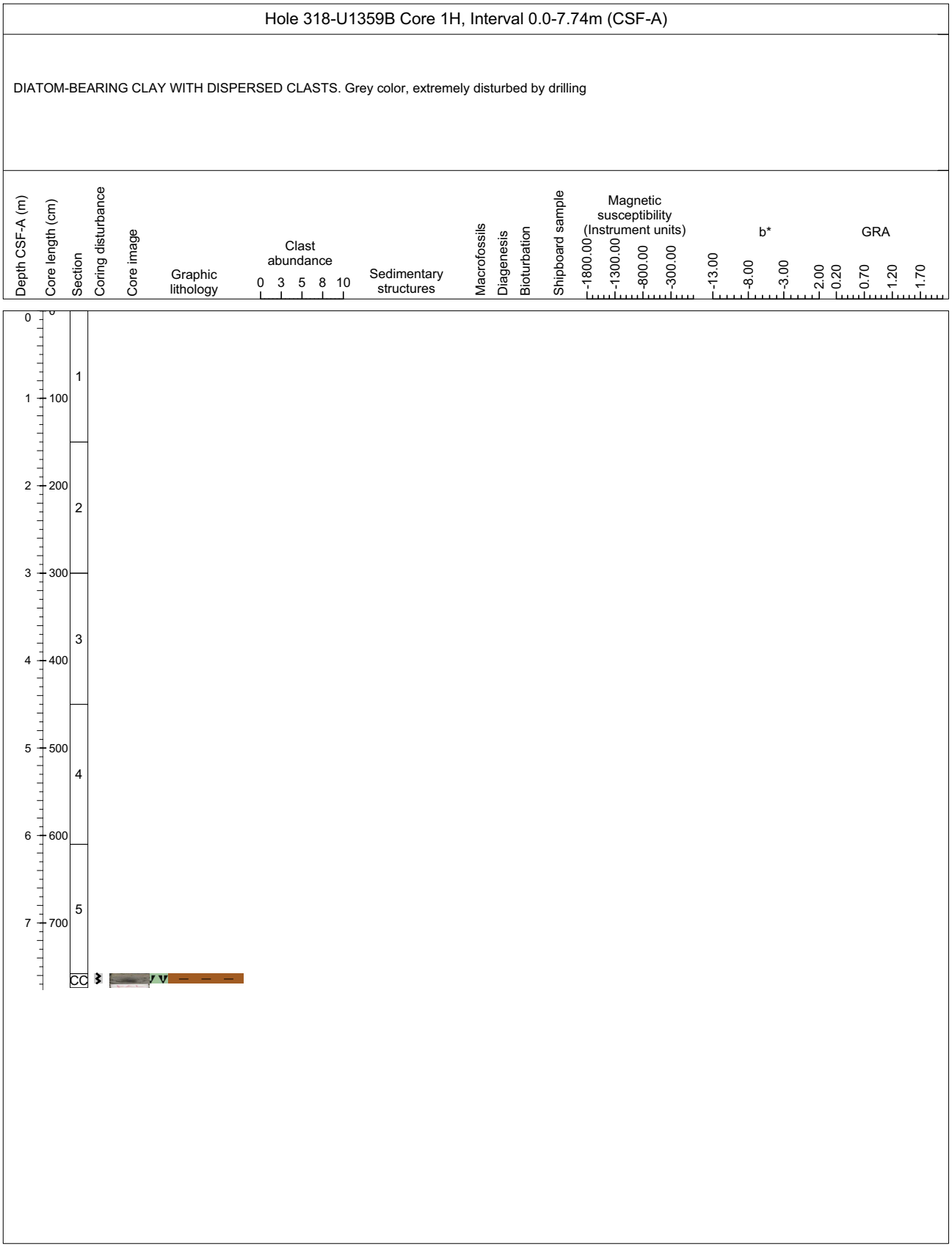
Core Photo

Hole 318-U1359A Core 22X, Interval 183.9-190.255m (CSF-A)

SILTY CLAY AND DIATOM-RICH SILTY CLAY. Color: greenish grey with silty clays and olive green diatom-rich silty clay. Silicified beds and one carbonate cemented bed are present.



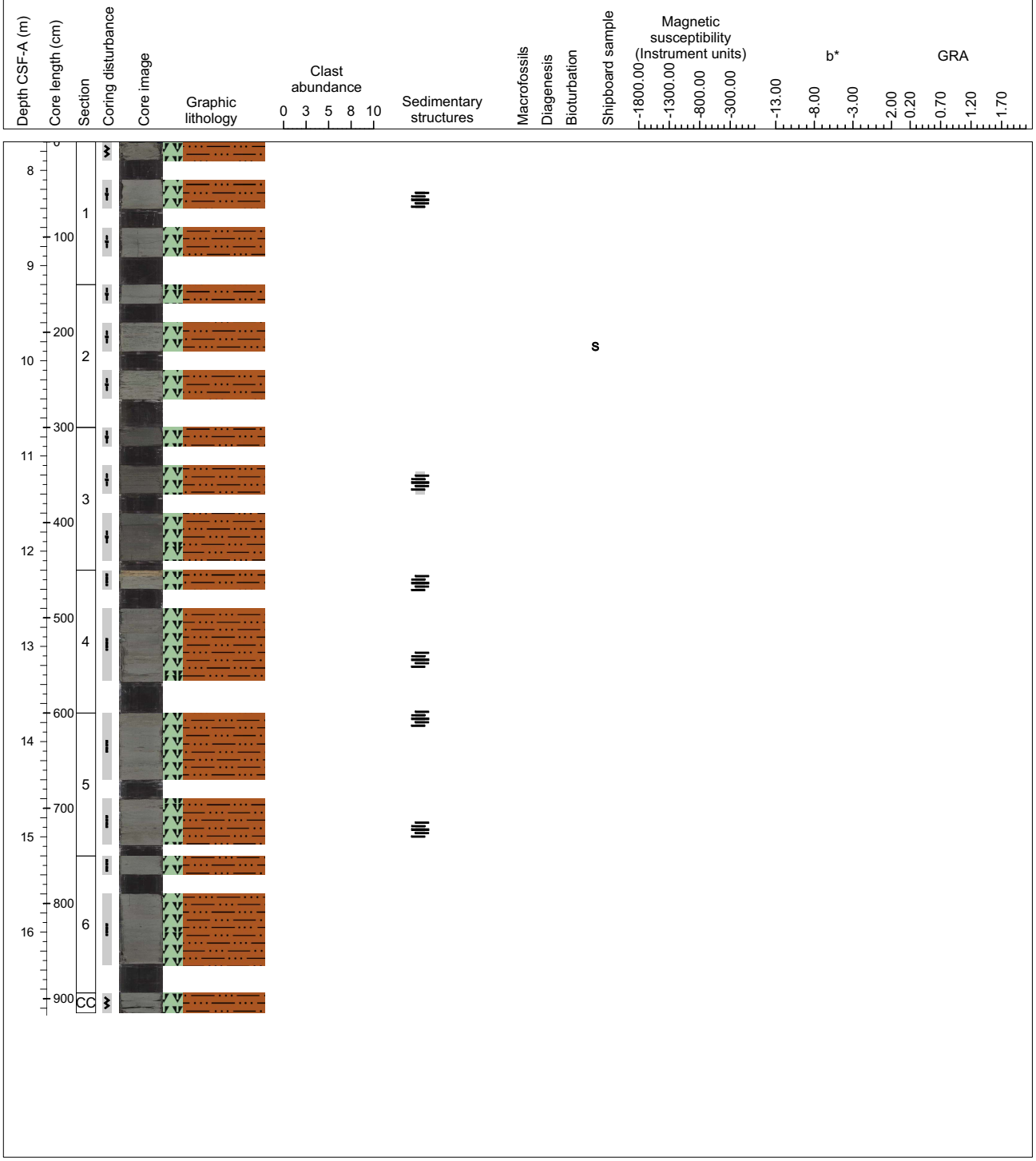
Core Photo


Hole 318-U1359B Core 1H, Interval 0.0-7.74m (CSF-A)
DIATOM-BEARING CLAY WITH DISPERSED CLASTS. Grey color, extremely disturbed by drilling
Depth CSF-A (m)
Core length (cm)
Section
Coring disturbance
Core image
Graphic lithology
Clast abundance
0 3 5 8 10
Sedimentary structures
Macrofossils
Diagenesis
Bioturbation
Shipboard sample
Magnetic susceptibility (Instrument units)
-1800.00
-1300.00
-800.00
-300.00
b*
-13.00
-8.00
-3.00
2.00
GRA
0.20
0.70
1.20
1.70
0
1
2
3
4
5
6
7
100
200
300
400
500
600
700
1
2
3
4
5
CC

Core Photo

Hole 318-U1359B Core 2H, Interval 7.7-16.85m (CSF-A)

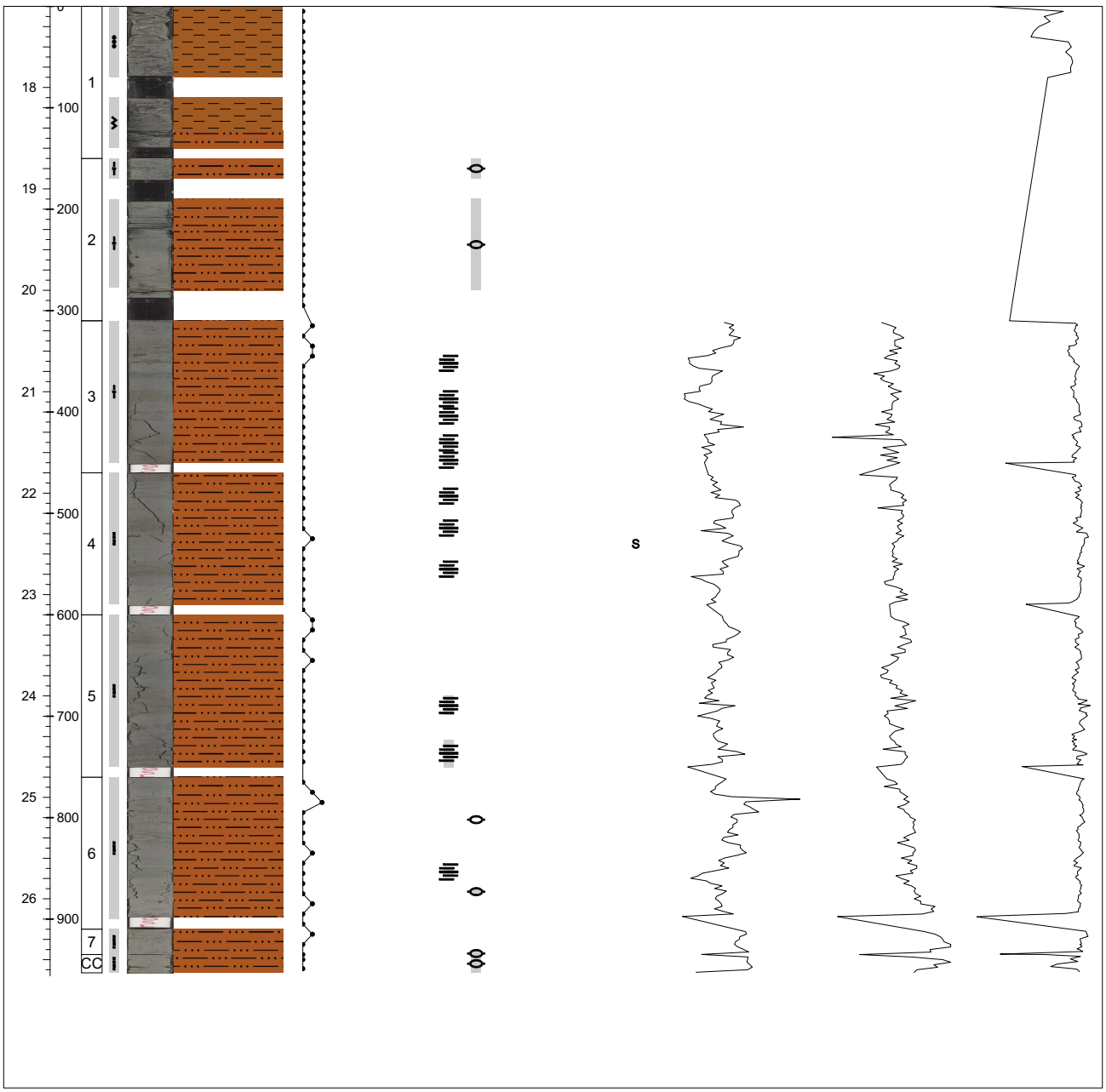
DIATOM-BEARING SILTY CLAY. Olive grey color. Silt laminae are present. Fifteen 20cm intervals were sampled for microbiology.



Core Photo

Hole 318-U1359B Core 3H, Interval 17.2-26.73m (CSF-A)

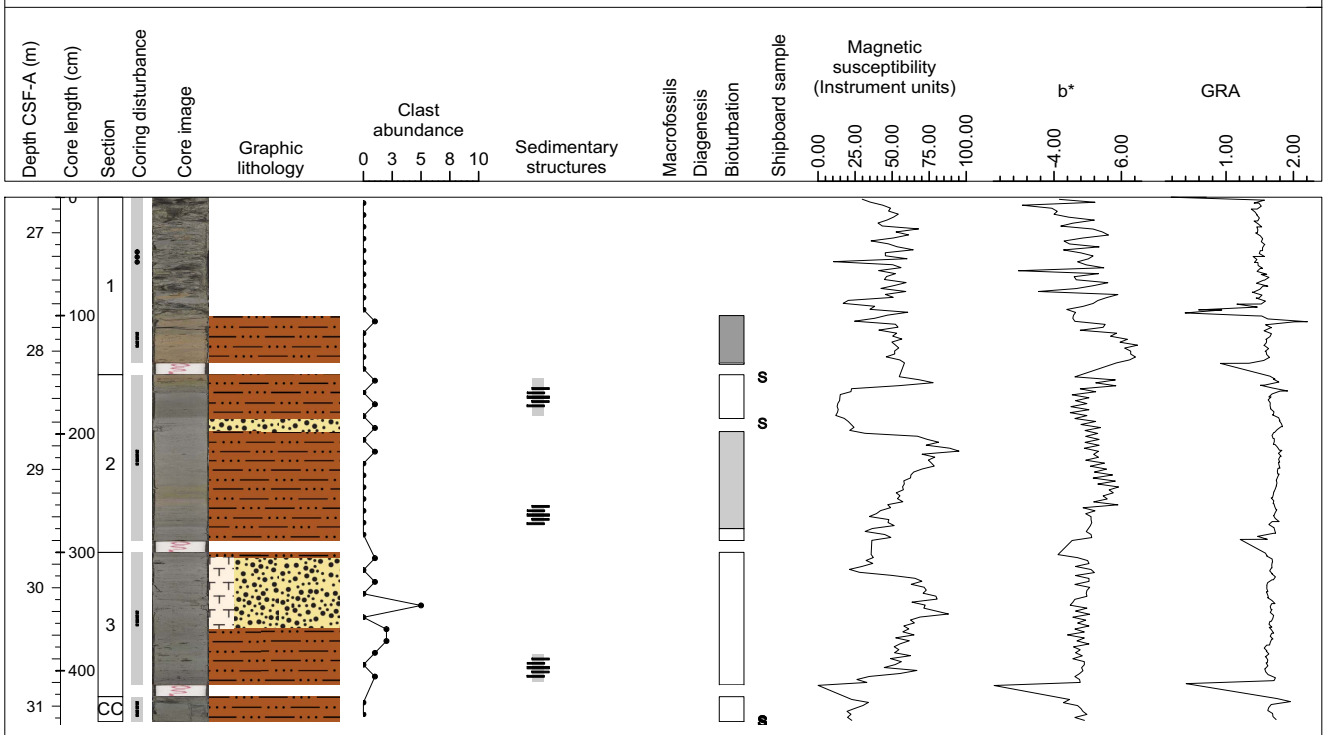
SILTY CLAY. colours: olive grey at the top of the core to light olive green at the base. In undisturbed parts of the core silt laminations are seen in ~10cm packets. Silty blebs in places (~4mm) may be burrows or IRD.



Core Photo

Hole 318-U1359B Core 4H, Interval 26.7-31.13m (CSF-A)

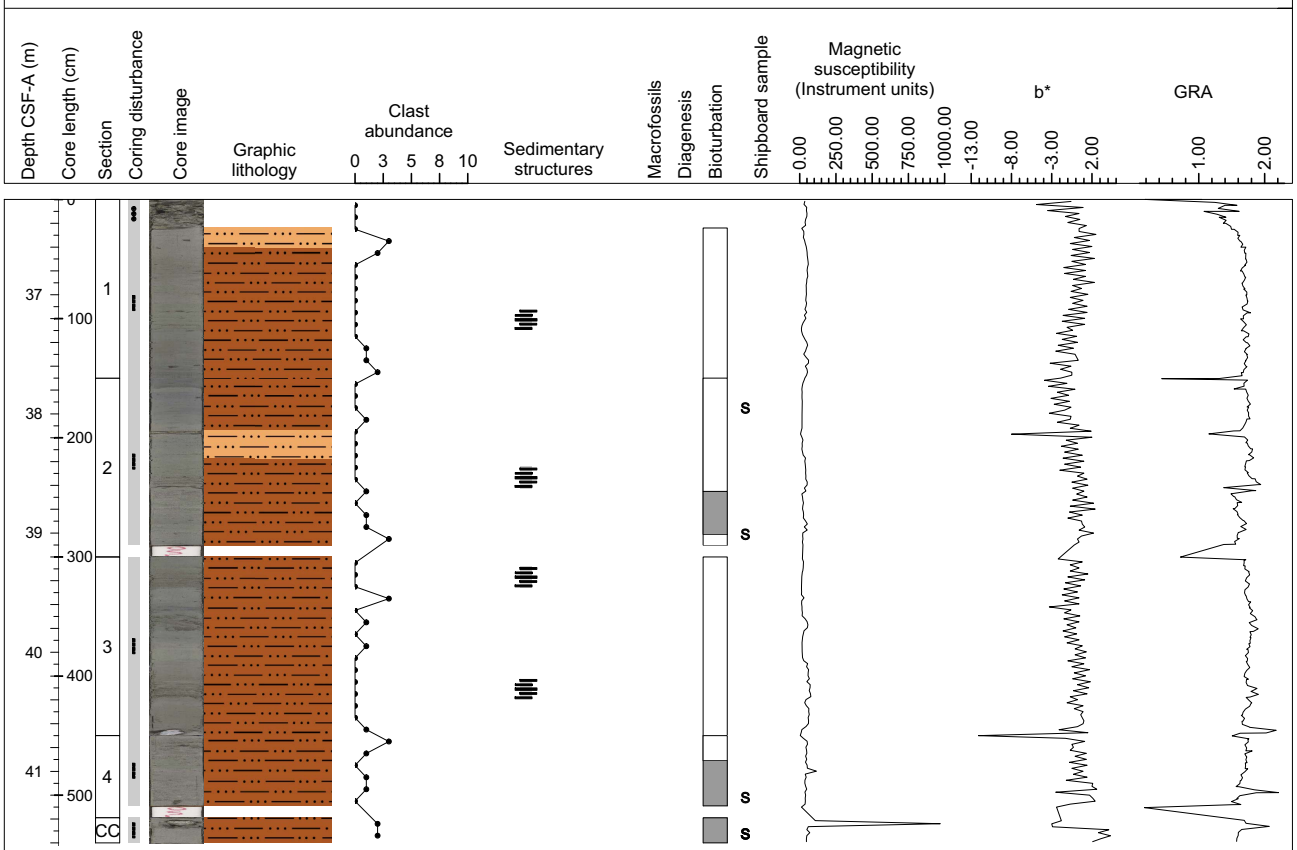
SILTY CLAY WITH DISPERSED CLASTS AND FORAMNIFERA-BEARING SILTY SAND WITH DISPERSED CLASTS. The core consists of interbedded olive brown and olive grey silty clays with dispersed clasts. There is sparse to moderate bioturbation and occasional mm-scale laminae as defined by color. Two silty sand beds occur, one of which contains foraminifera visible with hand lens.



Core Photo

Hole 318-U1359B Core 5H, Interval 36.2-41.6m (CSF-A)

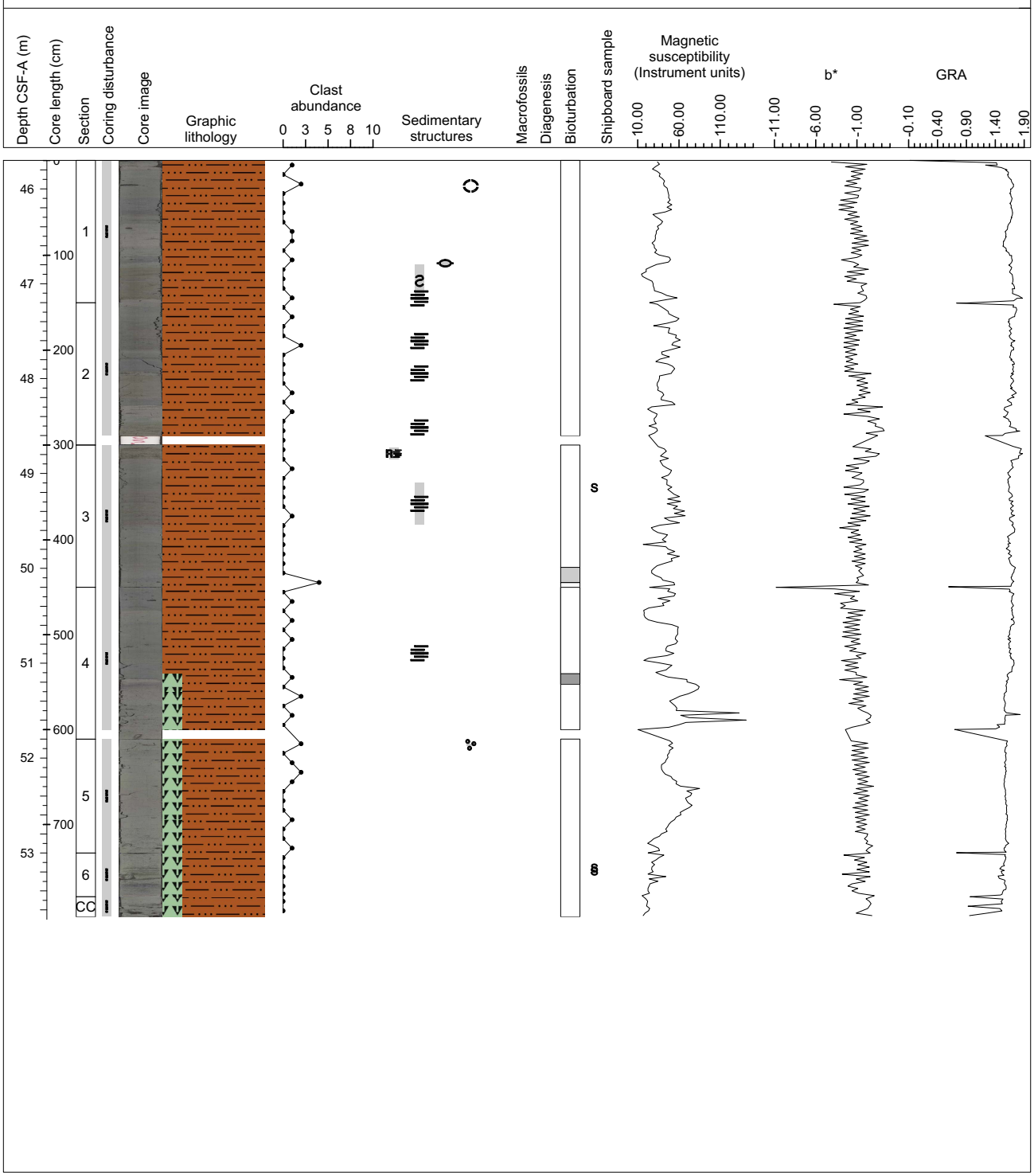
SILTY CLAY/CLAYEY SILT WITH DISPERSED CLASTS. The core consists of interbedded olive brown and olive grey silty clays with dispersed clasts. There is sparse to moderate bioturbation and occasional mm-scale laminae as defined by color. Two clayey silt beds occur. Bioturbation at base of the core consists of oblate burrows filled with diatom-rich silty clays/diatom ooze.



Core Photo

Hole 318-U1359B Core 6H, Interval 45.7-53.67m (CSF-A)

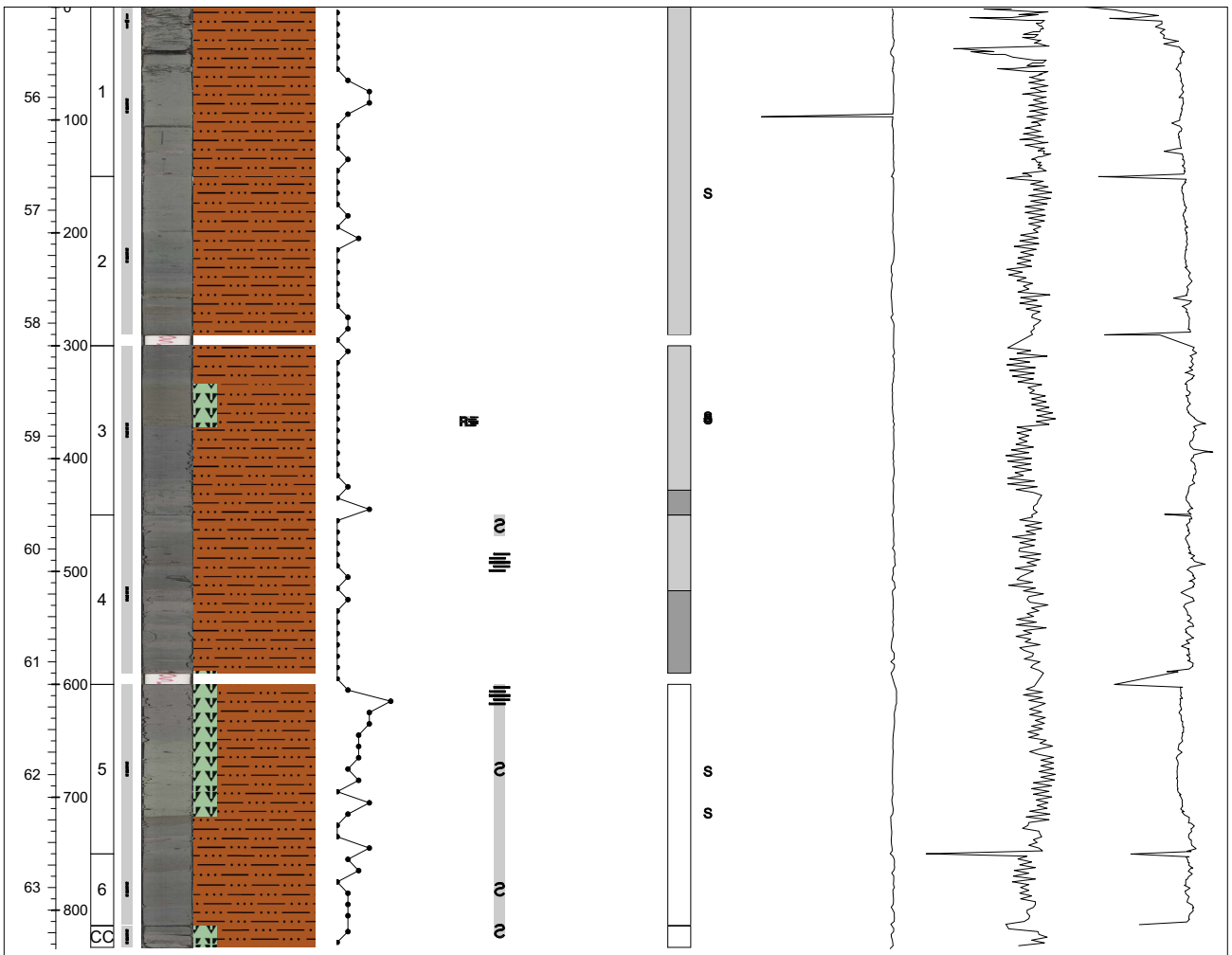
SILTY CLAY WITH DISPERSED CLASTS. The upper half of the core consists of olive grey color with bedding at dm-scale as defined by color (e.g. light olive grey grading down to dark olive grey) with sharp basal contacts. Occasional mm-scale laminae are defined by color/slight grain size variations. Occasional sand pockets and sparse to moderate bioturbation occurs throughout. This passes down into a relatively massive diatom-bearing silty clay with dispersed clasts.



Core Photo

Hole 318-U1359B Core 7H, Interval 55.2-63.52m (CSF-A)

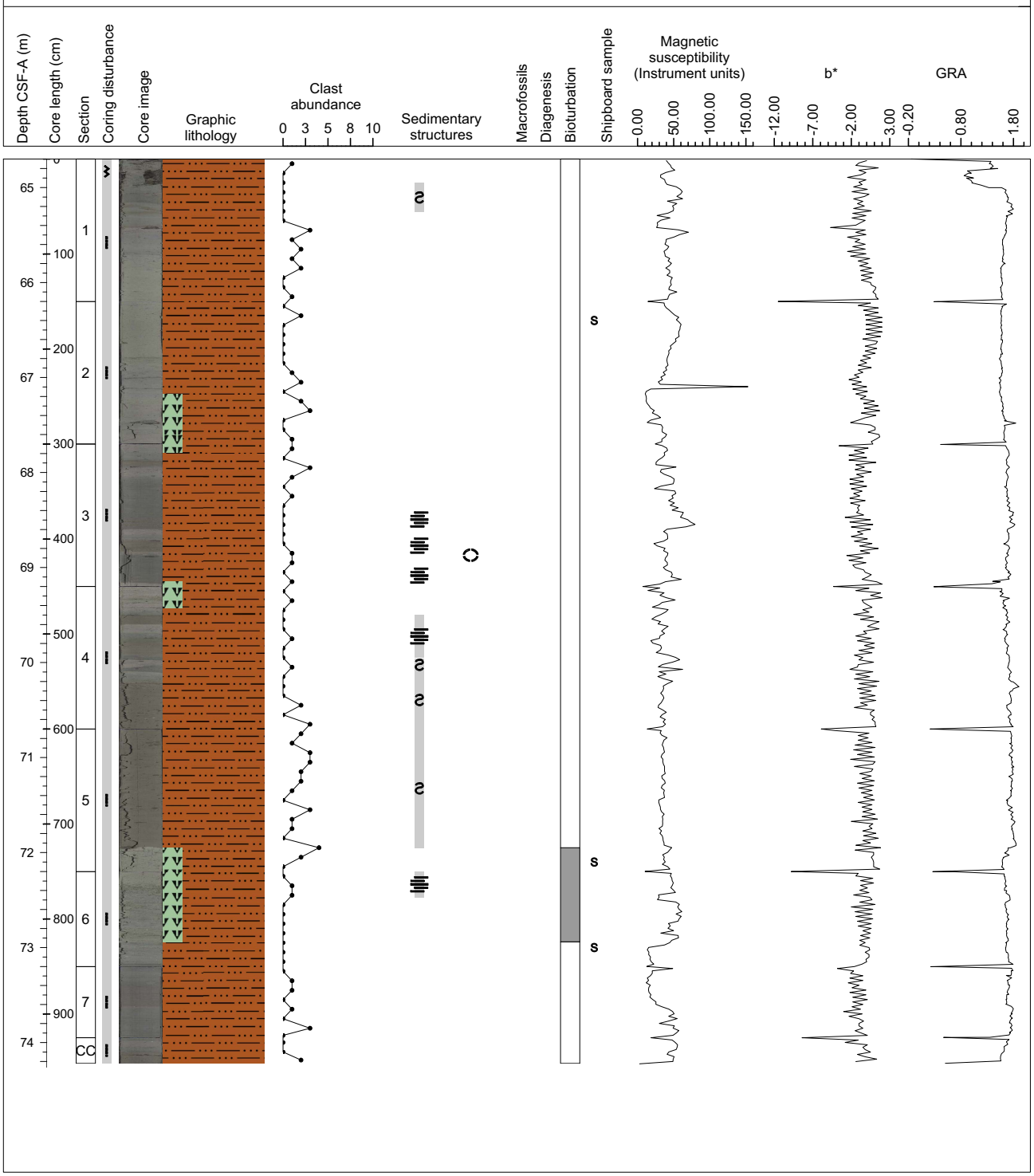
SILTY CLAY WITH DISPERSED CLASTS. The core consists of olive grey color with bedding at dm-scale as defined by light/dark color variations. Occasional mm-scale laminae are defined by color. Occasional sand pockets and sparse to moderate bioturbation occurs throughout. Two thin intervals of diatom-bearing silty clay with dispersed clasts occur. Some contorted and inclined beds occur at the base of the core.



Core Photo

Hole 318-U1359B Core 8H, Interval 64.7-74.22m (CSF-A)

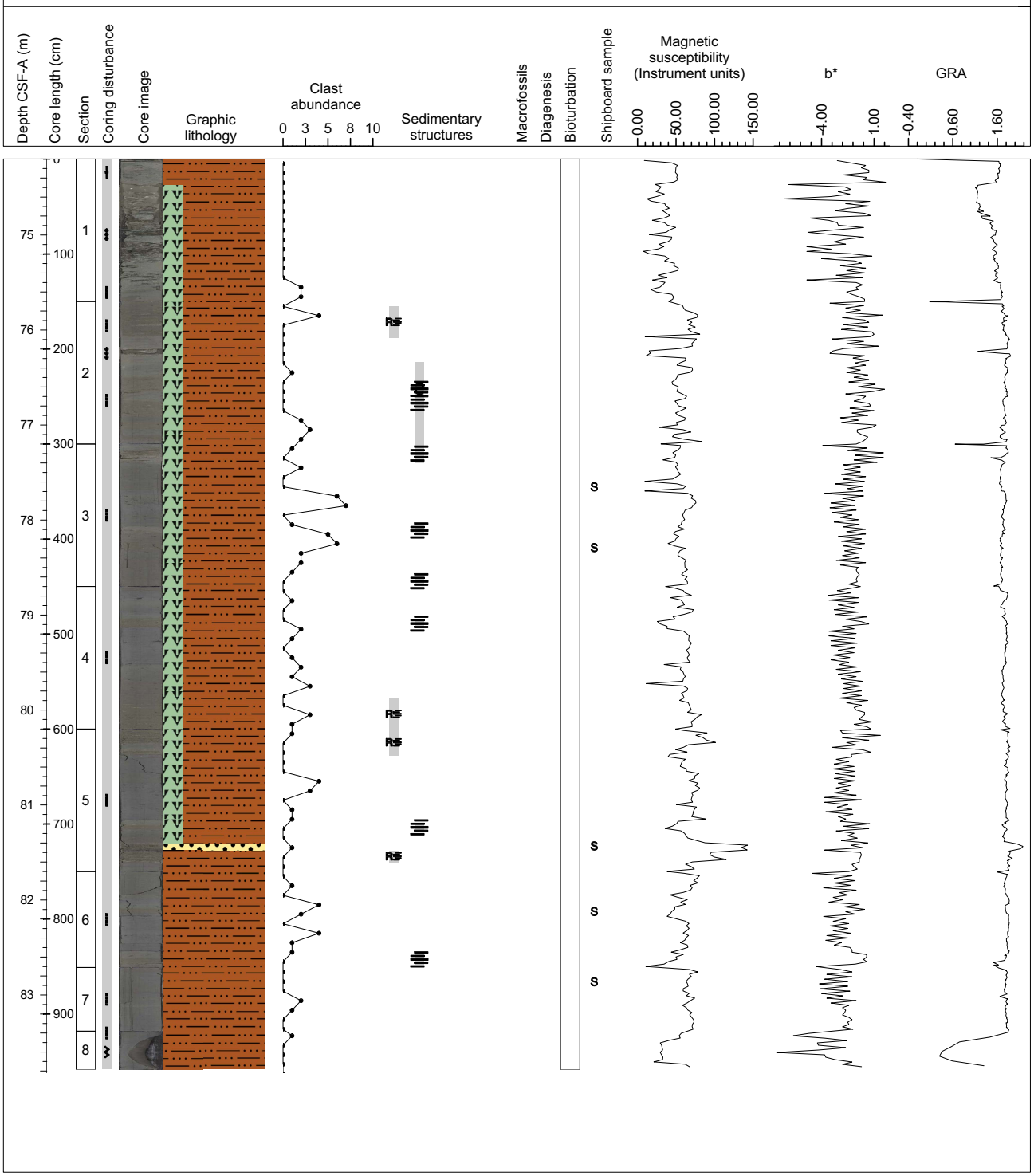
SILTY CLAY WITH DISPERSED CLASTS. Olive grey silty clay with dispersed clasts dominates the core, but there are intervals of massive diatom-bearing silty clay with dispersed clasts. Localized zones of moderately to strongly contorted beds occur.



Core Photo

Hole 318-U1359B Core 9H, Interval 74.2-83.78m (CSF-A)

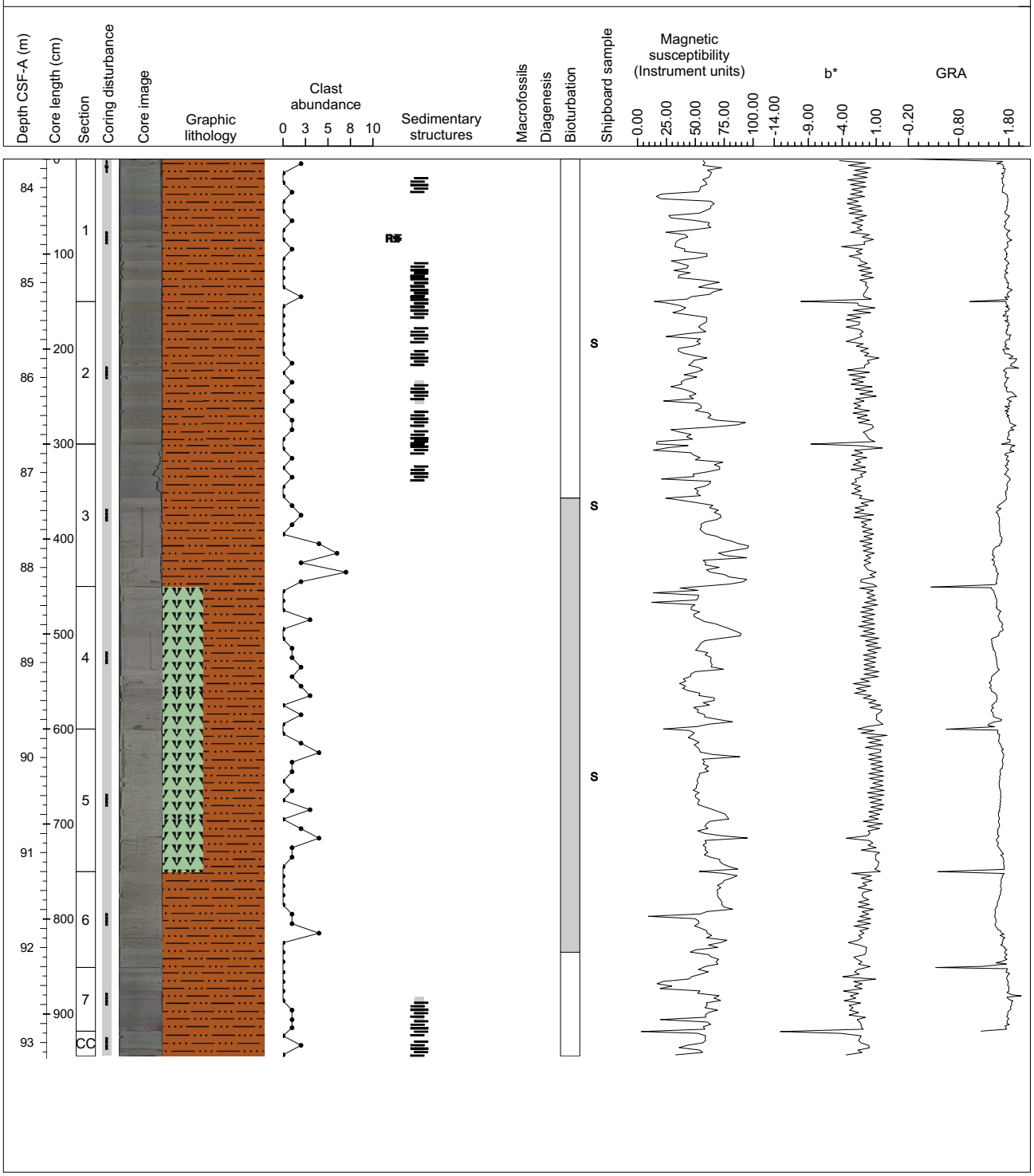
SILTY CLAY WITH DISPERSED CLASTS. Olive greenish grey with periodic intervals of silt/sand laminae, some of these intervals display rhythmic couplets (each couplet is ~5-10mm thick) of silt/fine sand and clay. A single 7-cm-thick fine sand bed with sharp upper and lower contacts occurs near the base of this core. No obvious bioturbation. The base of the core is a silty clay that is more massive (i.e. less laminae) and is a darker olive grey color.



Core Photo

Hole 318-U1359B Core 10H, Interval 83.7-93.14m (CSF-A)

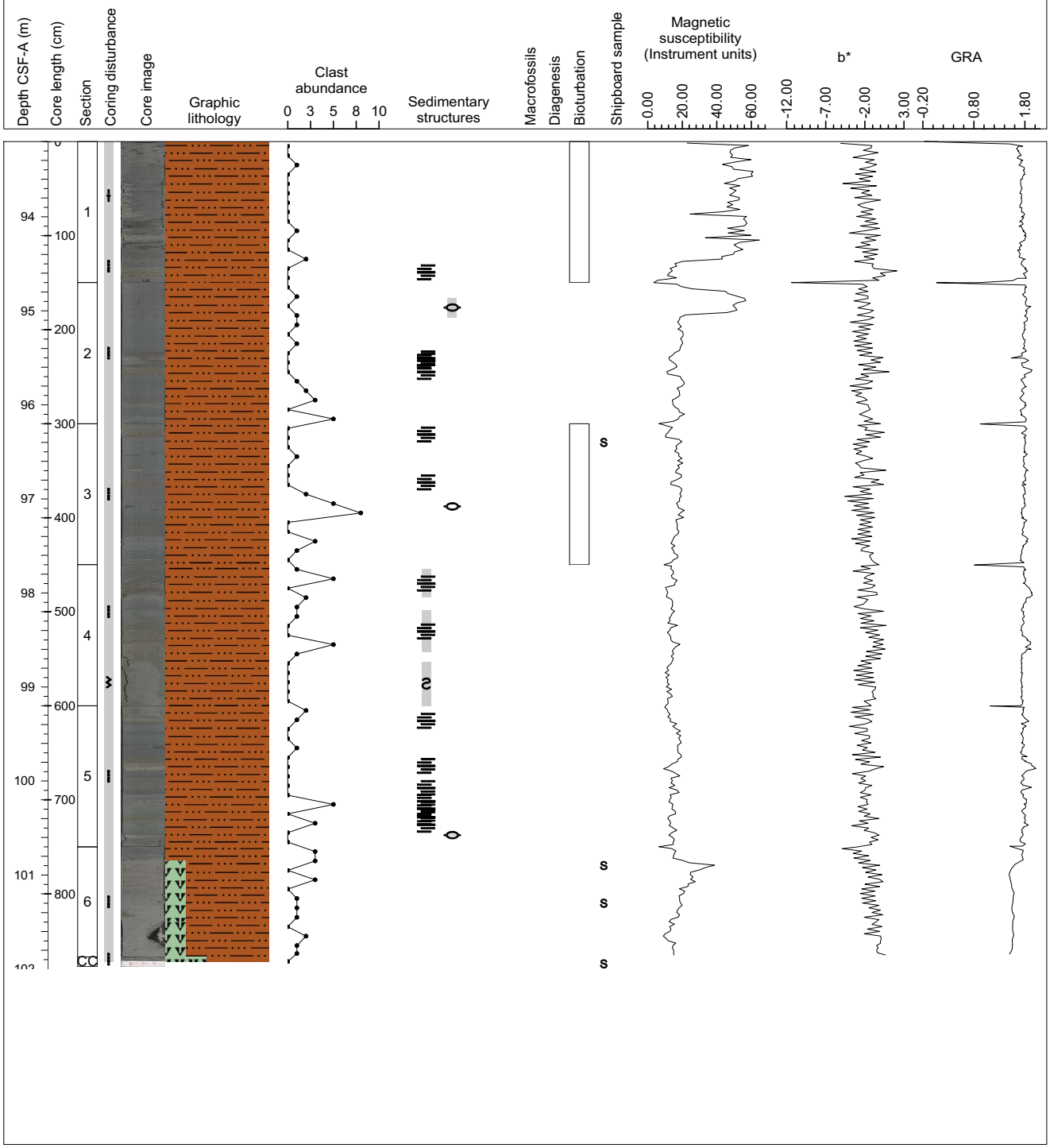
SILTY CLAY AND DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS. This core consists of a olive grey silty clay with fine sand/silt laminae (some with rhythmic couplets) that is interbedded by a ~5-m-thick greenish grey diatom-rich silty clay bed. Dispersed clasts occur throughout the core.



Core Photo

Hole 318-U1359B Core 11H, Interval 93.2-101.97m (CSF-A)

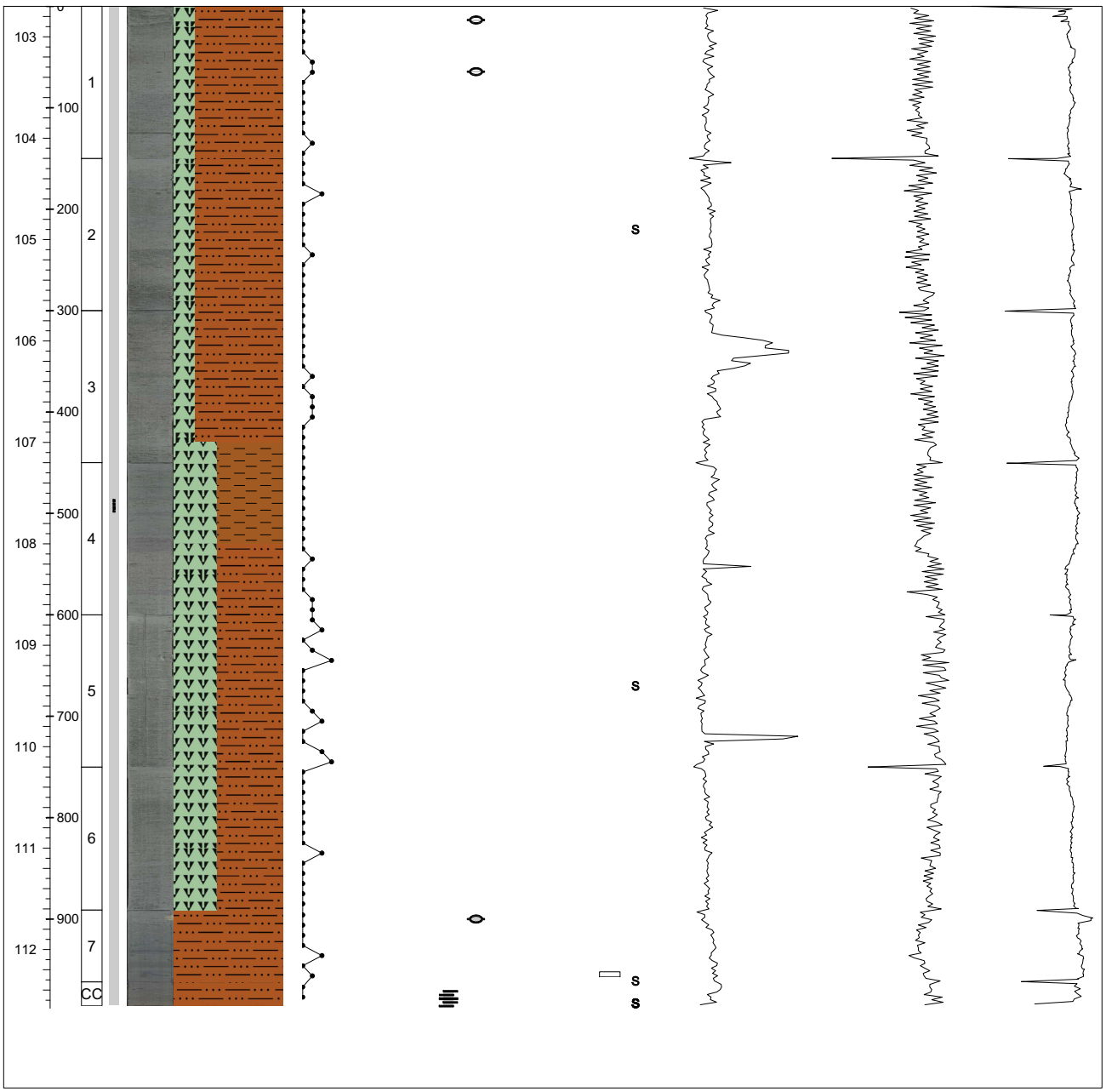
SILTY CLAY AND DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS. Light greenish grey in colour. Numerous silt laminae are present in dm-scale packages. Sand stringers are present as well.



Core Photo

Hole 318-U1359B Core 12H, Interval 102.7-112.55m (CSF-A)

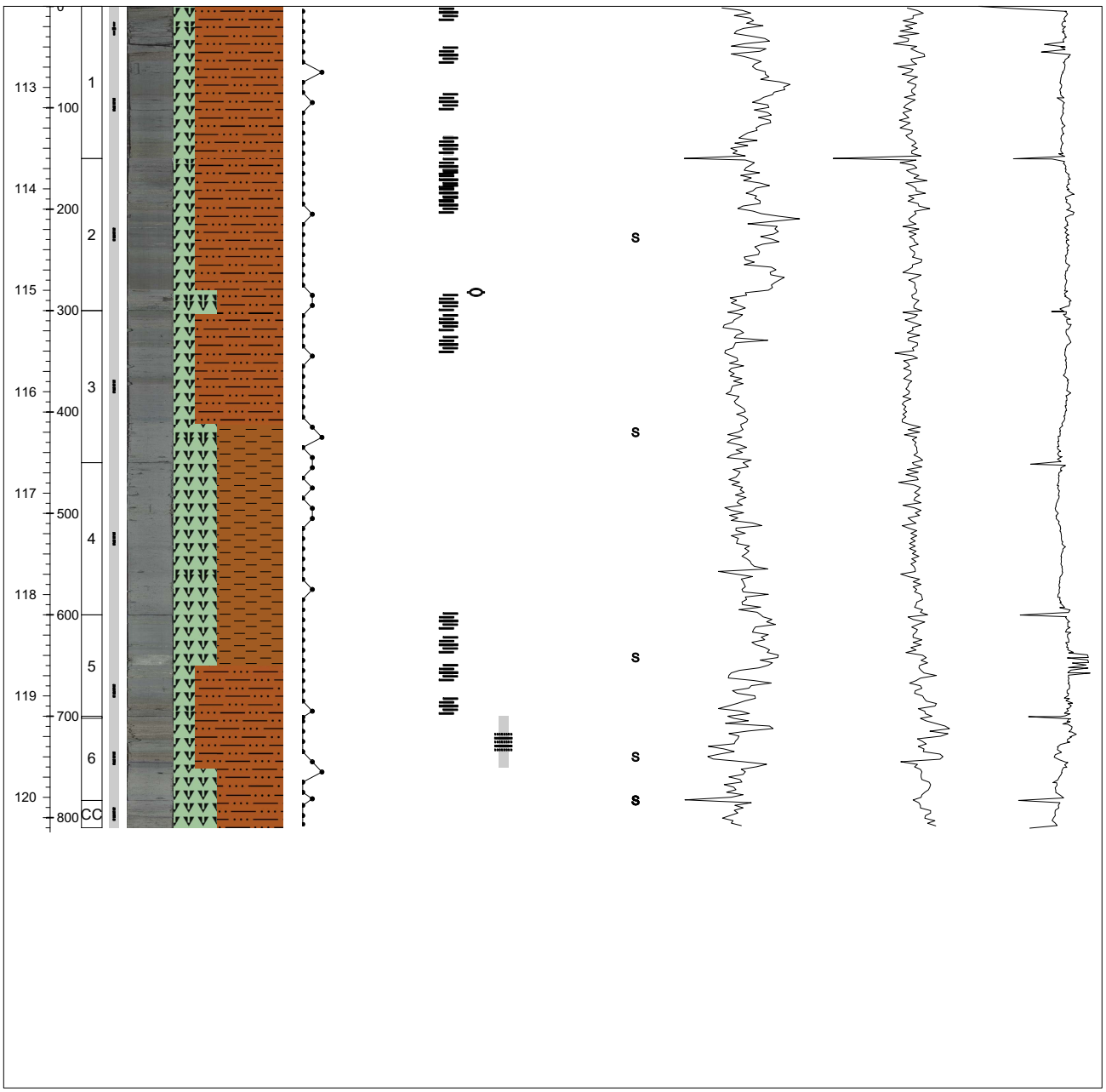
DIATOM BEARING SILTY CLAY WITH DISPERSED CLASTS AND SILTY CLAY. Fairly homogenous diatom bearing silty clay. Becomes silty clay in section 7 with silty laminations at base of CC.



Core Photo

Hole 318-U1359B Core 13H, Interval 112.2-120.32m (CSF-A)

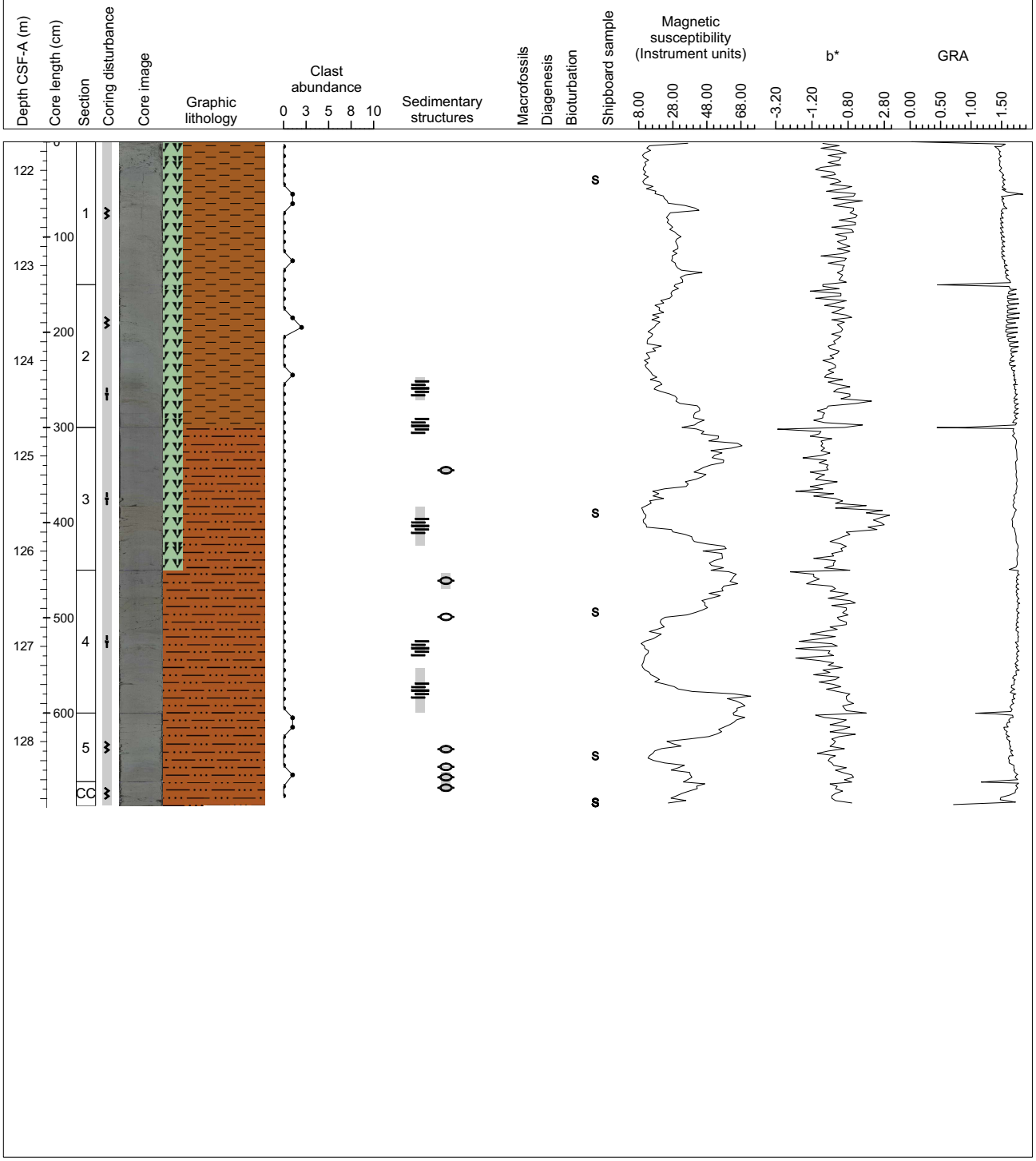
DIATOM-BEARING AND DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS. Olive-grey to light green-grey in color. Multiple intervals with concentrated packages of dm-scale sand laminations, particulary in section 6. Small (< 5mm) sand patches of sand stirger (deformed laminae?) throughout.



Core Photo

Hole 318-U1359B Core 14H, Interval 121.7-128.67m (CSF-A)

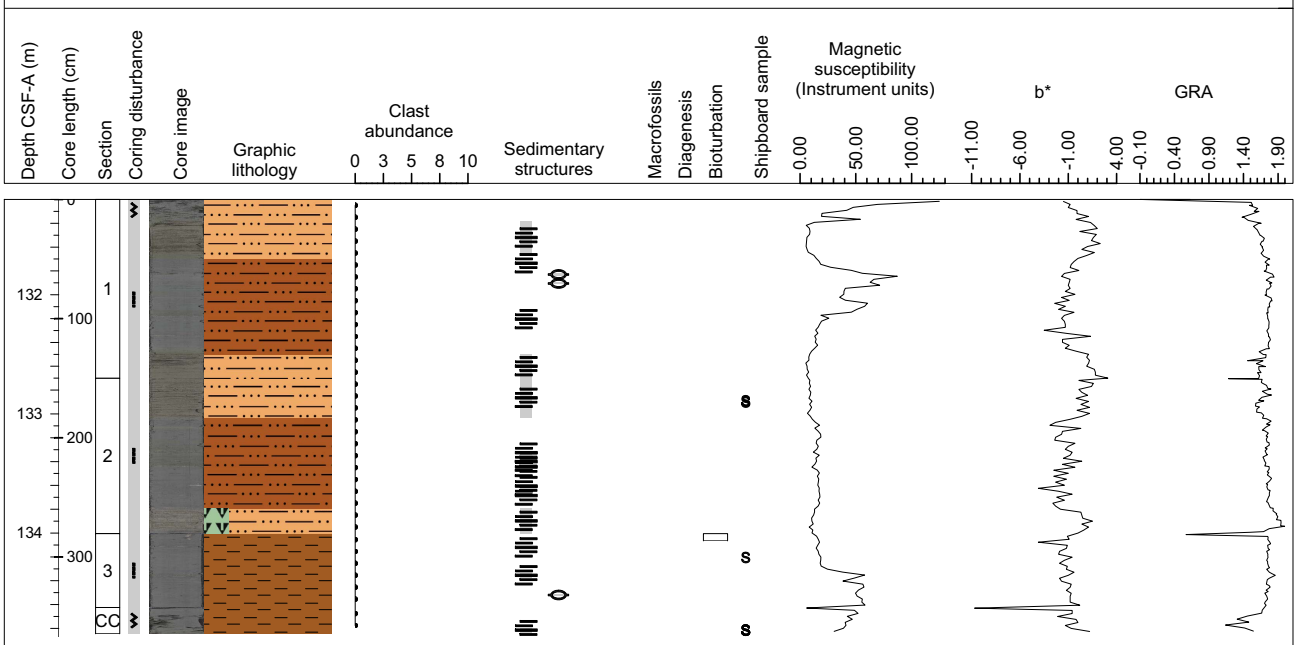
DIATOM-BEARING CLAY AND SILTY CLAY WITH DISPERSED CLAST. Color: Olive grey to light greenish grey. Silt laminae and silt pockets are present. Core is strongly to moderately disturbed by drilling.



Core Photo

Hole 318-U1359B Core 15H, Interval 131.2-134.845m (CSF-A)

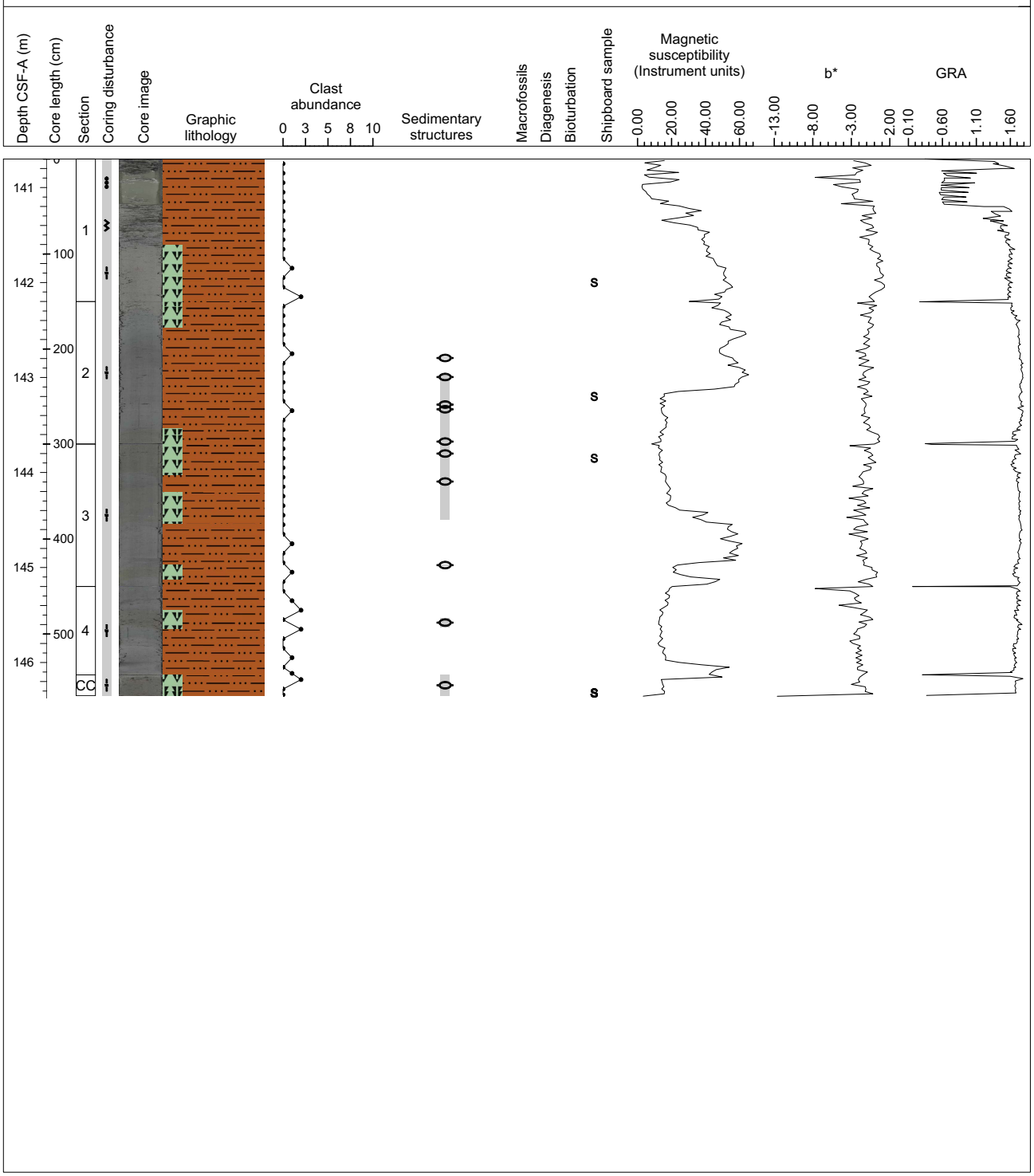
SILTY CLAY AND DIATOM-BEARING CLAYEY SILT. Olive grey to yellowish olive in colour. Numerous silt laminae are present and silt pockets occur as well. Some laminae appear to be rhythmic, with regularly spaced alteration between clay and silt.



Core Photo

Hole 318-U1359B Core 16H, Interval 140.7-146.35m (CSF-A)

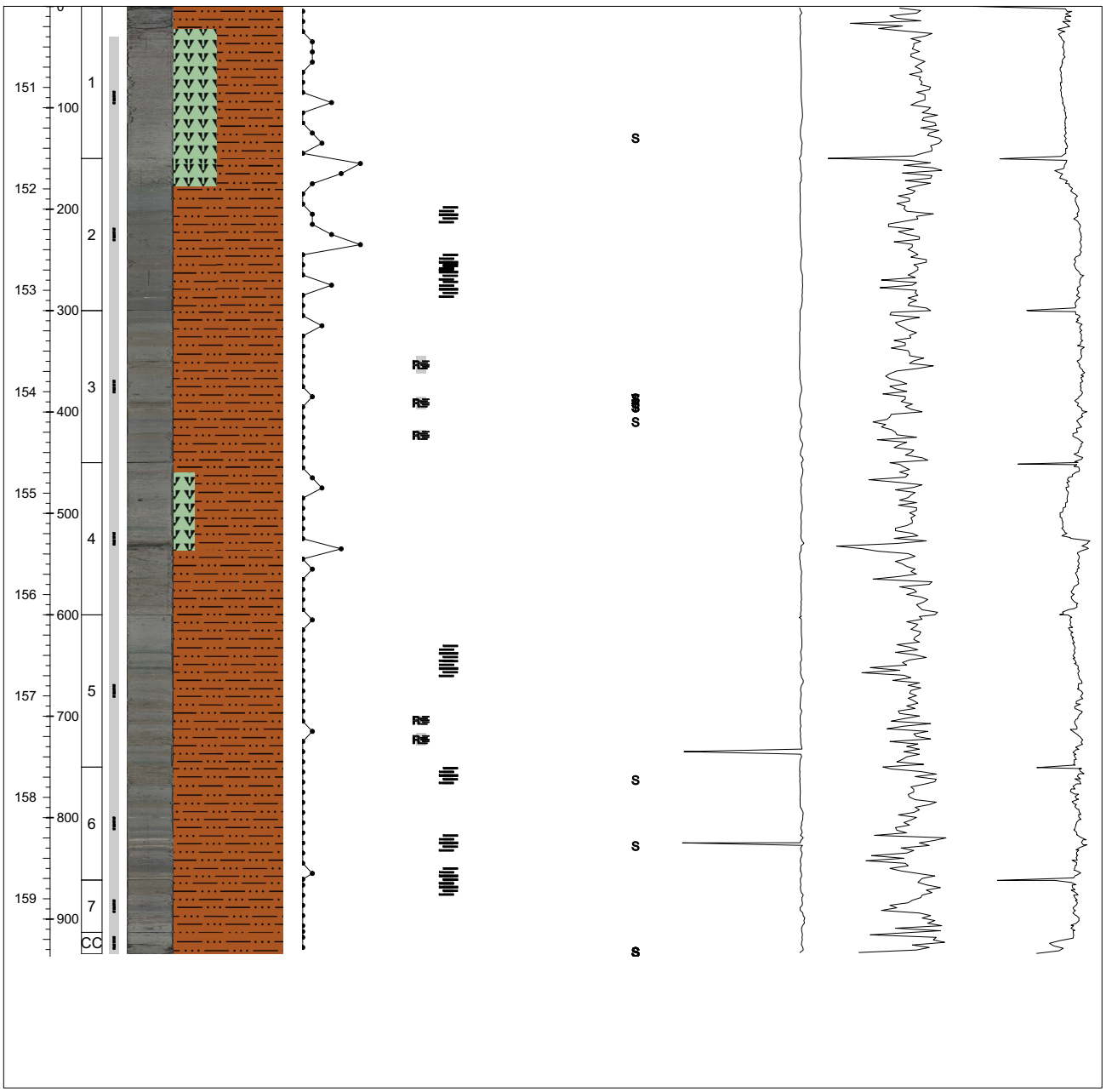
SILTY CLAY and DIATOM BEARING SILTY CLAY. Lithologies alternate at dm scale. Silty clay is greenish grey diatom bearing silty clay is light olive brown and the silty blebs are usually fuond in this lithology. The silty blebs appear stratified and may be disturbed laminae.



Core Photo

Hole 318-U1359B Core 17H, Interval 150.2-159.54m (CSF-A)

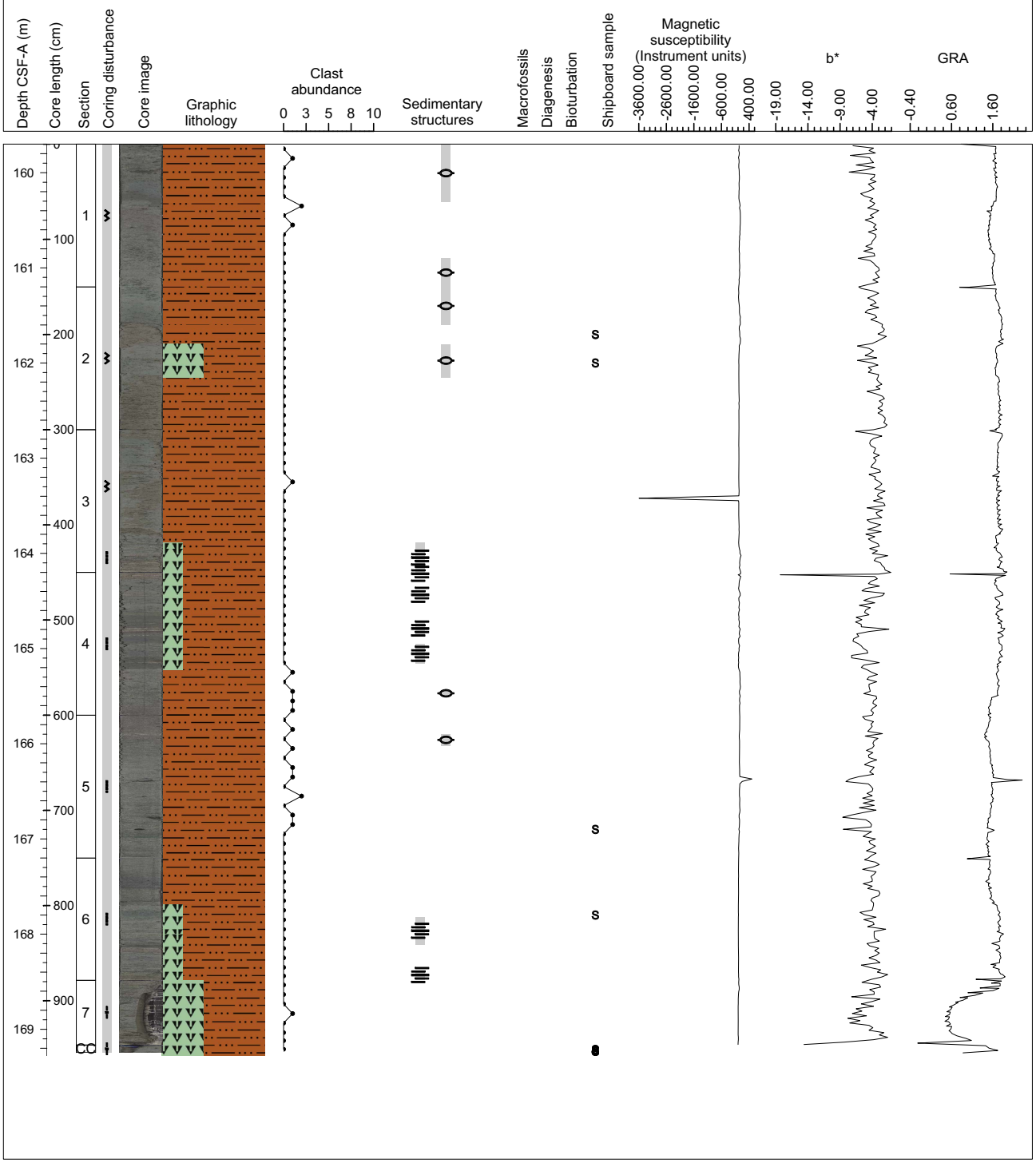
DIATOM-BEARING SILTY CLAY AND SILTY CLAY WITH DISPERSED CLASTS. Olive-grey to light green-grey in color. Several dm-scale packages of rhythmic silty sand laminations present throughout core, forming part of thicker ~40 cm beds of silty clay in sections 3, 5, 6, and 7. Isolated small sand pockets and strings present throughout silty clay lithology..



Core Photo

Hole 318-U1359B Core 18H, Interval 159.7-169.245m (CSF-A)

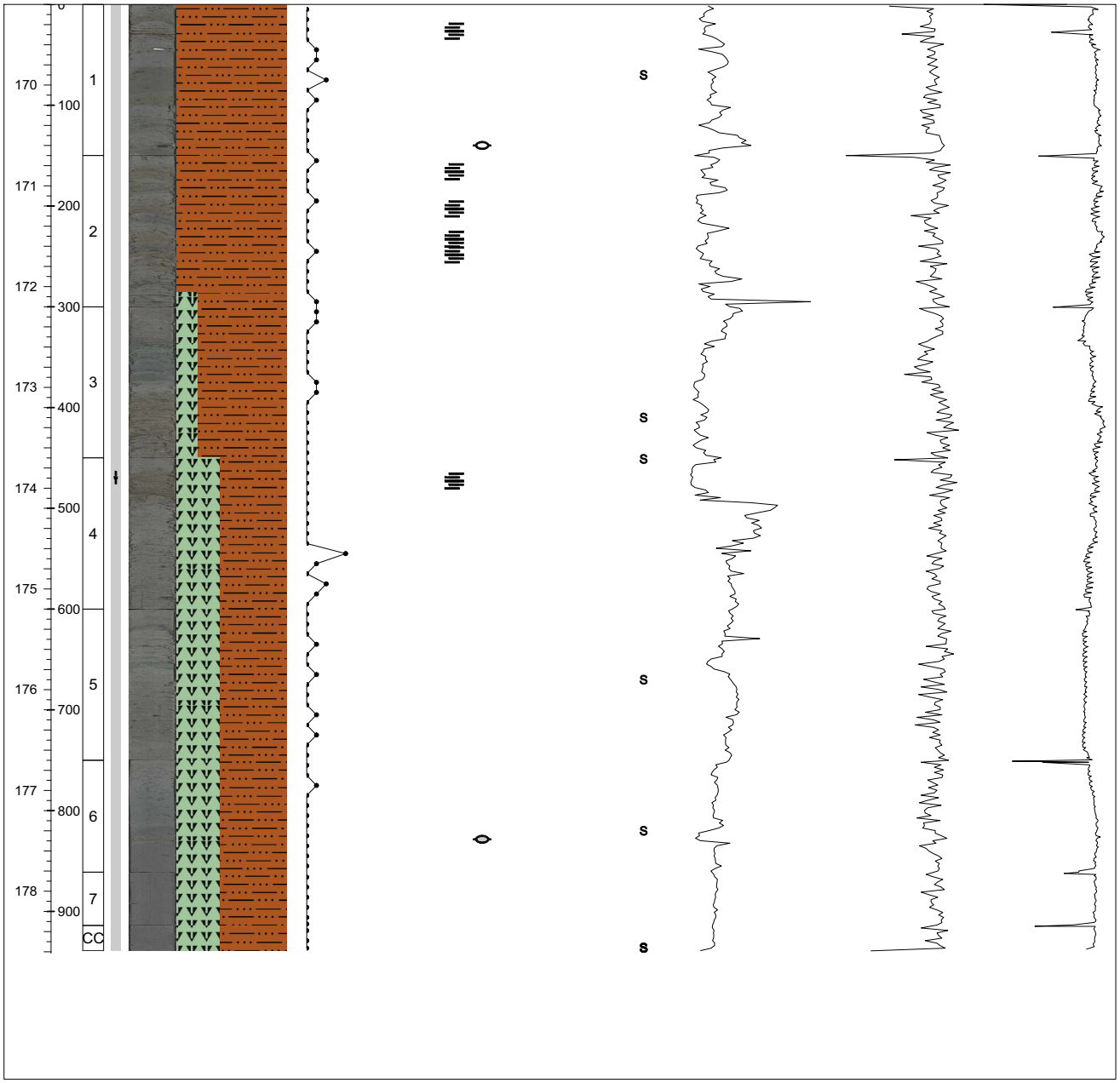
SILTY CLAY AND DIATOM BEARING SILTY CLAY. Extensive disturbance in the first 3 sections of the core. Then alternating silty clay with silt laminations and diatom bearing silty clay with silty blebs.



Core Photo

Hole 318-U1359B Core 19H, Interval 169.2-178.59m (CSF-A)

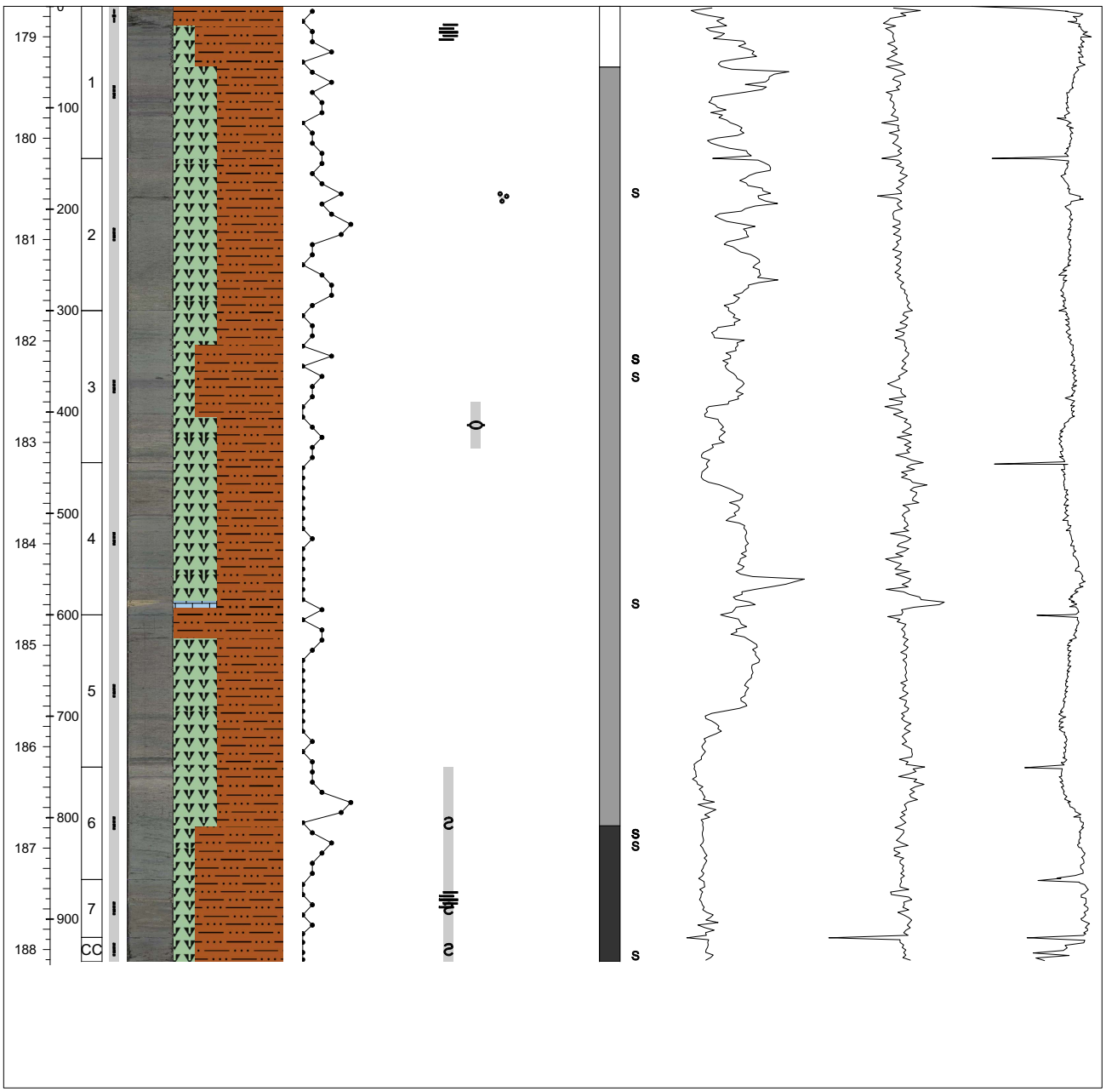
SILTY CLAY, DIATOM-BEARING SILTY CLAY and DIATOM-BEARING CLAY - all with DISPERSED CLASTS. Olive grey to light green - grey in colour. Packages of silt laminations present in silty clay beds, all highly disturbed. White chert clast present in section 1 and several small coal clasts in section 2.



Core Photo

Hole 318-U1359B Core 20H, Interval 178.7-188.12m (CSF-A)

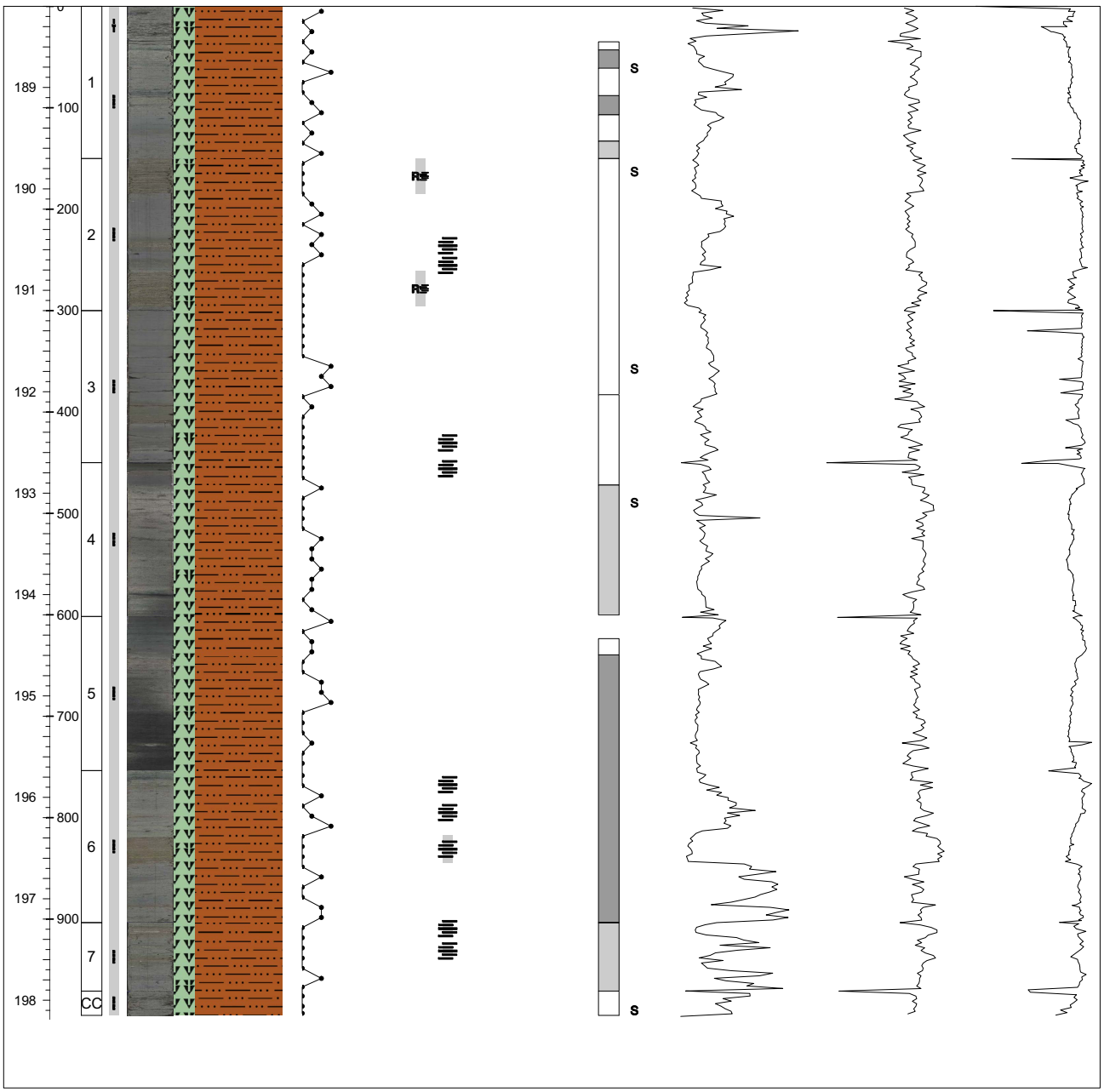
DIATOM-BEARING TO DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS. Olive grey to light green grey in colour. Diatom rich intervals are on the cusp of being classified as an ooze .The diatom-rich intervals dominate and are interbedded by relatively thinner diatom -bearing intervals. A 7cm-thick micritc mud occurs in section 4, and has a sharp inclined basal contact.



Core Photo

Hole 318-U1359B Core 21H, Interval 188.2-198.15m (CSF-A)

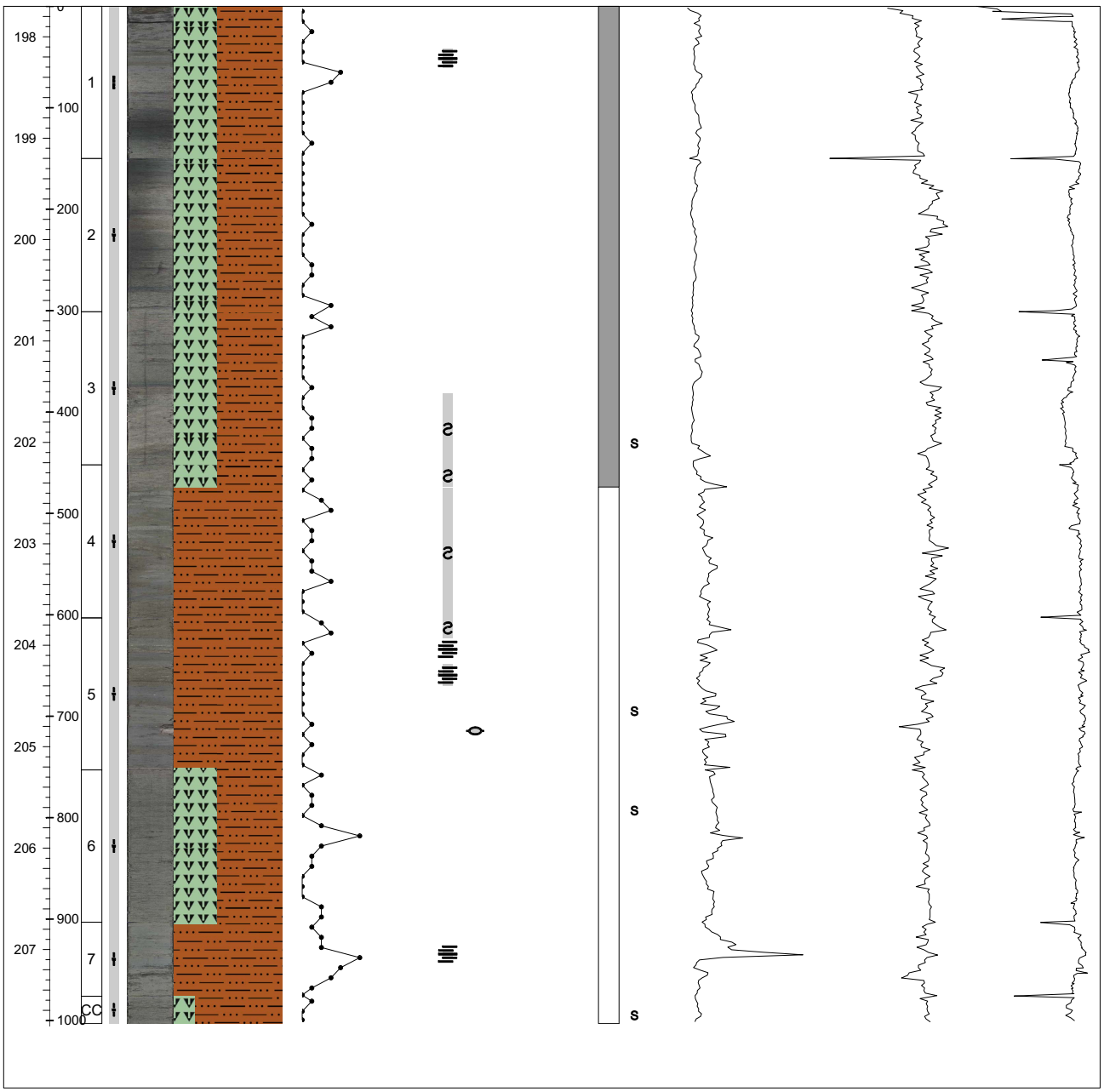
DIATOM-BEARING SILTY CLAY WITH DISPERSED CLASTS. Olive grey to light greenish-grey in colour. Thinner intervals of dark olive grey and brownish grey silty clay with rhythmic silty laminations present in the brownish grey beds.



Core Photo

Hole 318-U1359B Core 22H, Interval 197.7-207.73m (CSF-A)

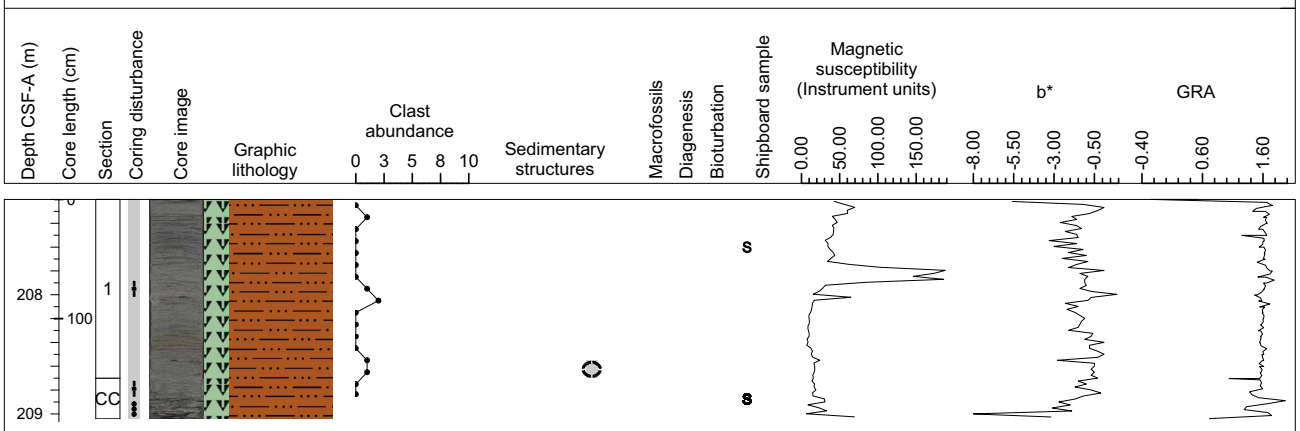
SILTY CLAY AND DIATOM-RICH SILTY CLAY (both with dispersed clasts). The top of the core consists of olive greenish grey diatom-rich silty clay with dispersed clasts, mottled appearance. Contorted bedding occurs near the base of this unit before passing down into a zone of physically intermixed olive brown to grey green silty clay. The base of the core is less contorted and is an olive greenish grey diatom-rich silty clay with dispersed clasts.



Core Photo

Hole 318-U1359B Core 23H, Interval 207.2-209.04m (CSF-A)

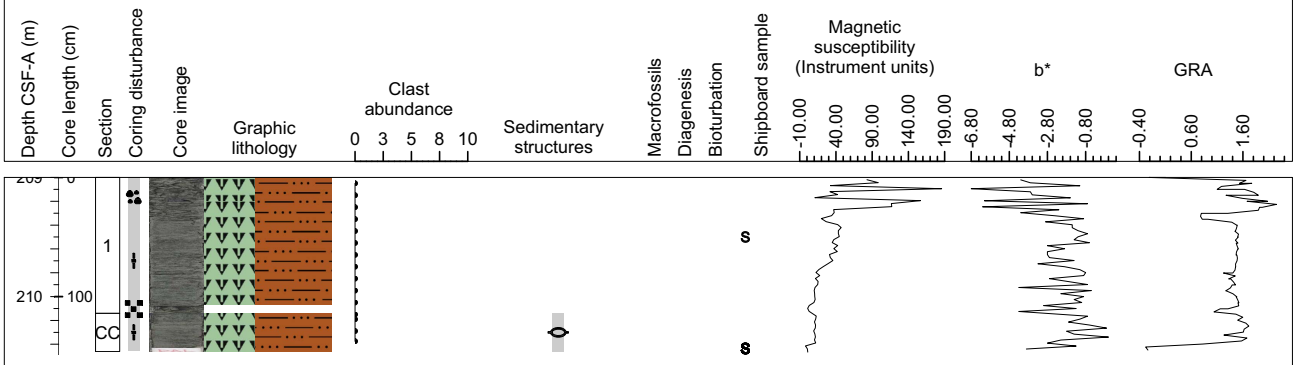
DIATOM-BEARING SILTY CLAY WITH DISPERSED CLASTS. olive grey, except for light olive grey bed at 80-83cm and olive brown bed at 14-127cm. Bedding is strongly bowed by drilling disturbance.



Core Photo

Hole 318-U1359B Core 24X, Interval 209.0-210.46m (CSF-A)

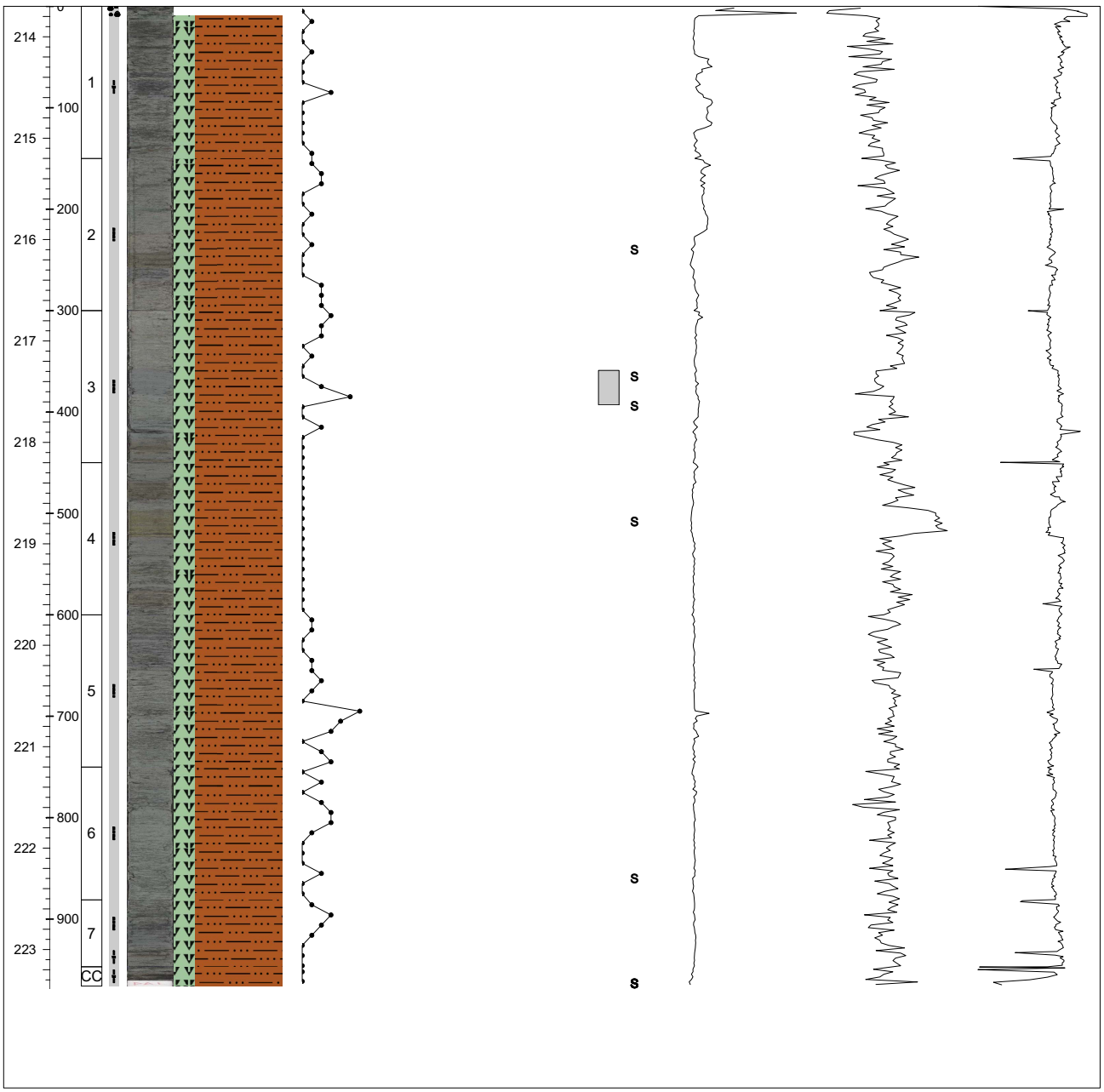
DIATOM-RICH SILTY CLAY. Olive grey color. Drilling disturbance obscures orginal sedimentary structures.



Core Photo

Hole 318-U1359B Core 25X, Interval 213.7-223.36m (CSF-A)

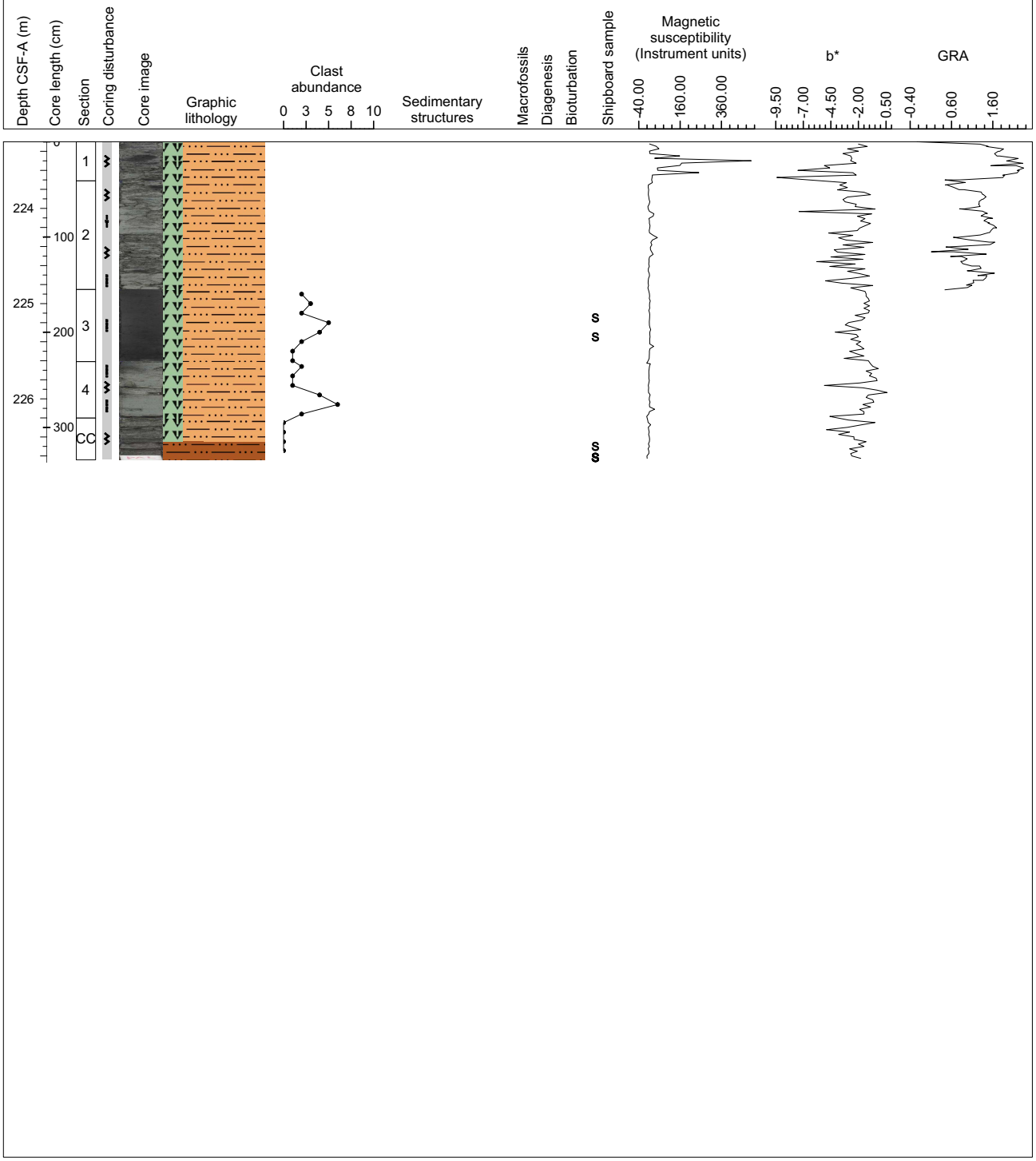
DIATOM-BEARING SILTY CLAY WITH DISPERSED CLASTS. Olive grey to light greenish-grey in colour. Thinner intervals of dark olive grey and brownish grey silty clay.



Core Photo

Hole 318-U1359B Core 26X, Interval 223.3-226.64m (CSF-A)

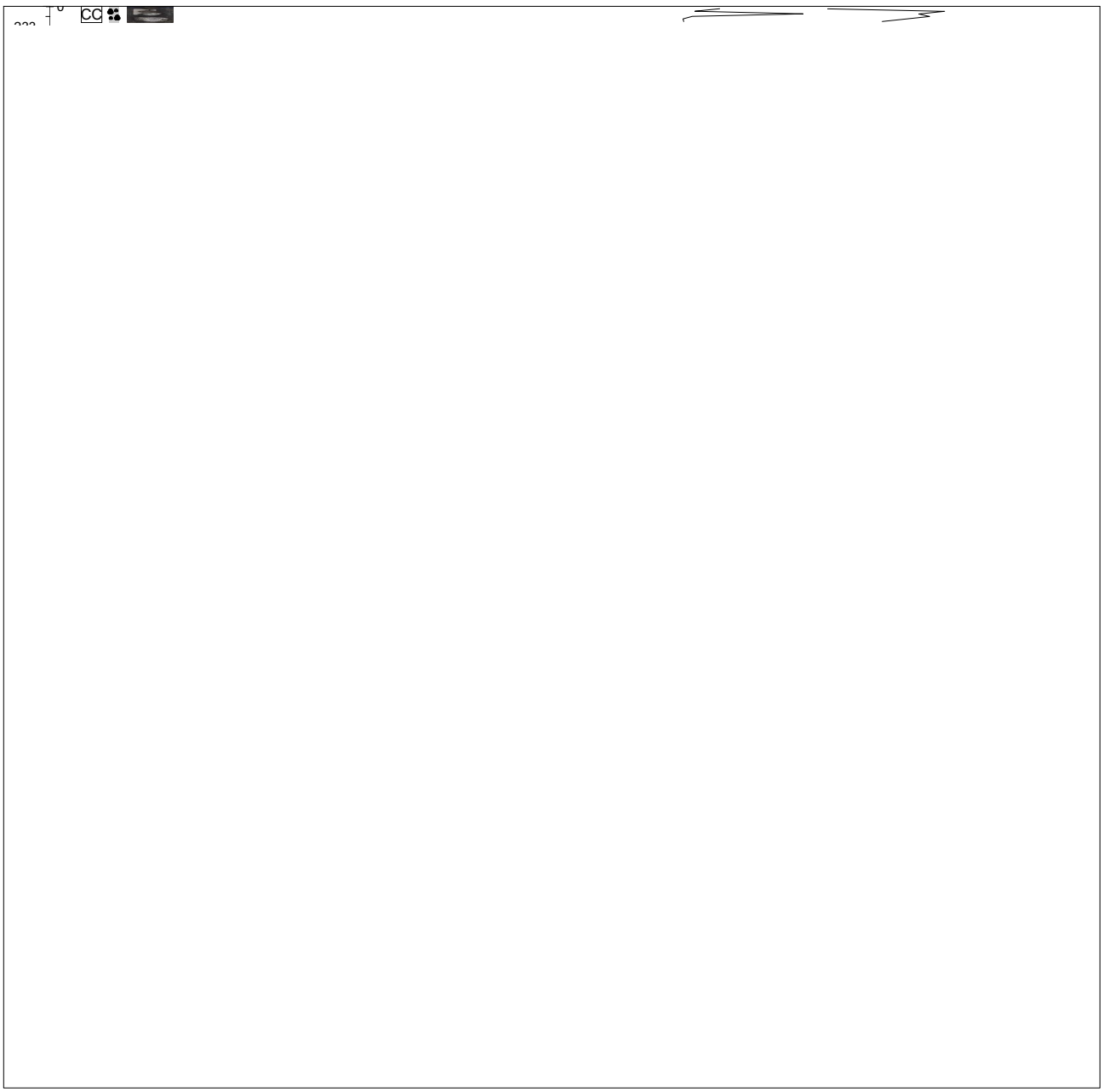
DIATOM-BEARING SILTY CLAY WITH DISPERSED CLASTS. Olive grey to light greenish-grey in color. This XCB core is extremely disturbed except for a few intervals.



Core Photo

Hole 318-U1359B Core 27X, Interval 232.8-232.96m (CSF-A)

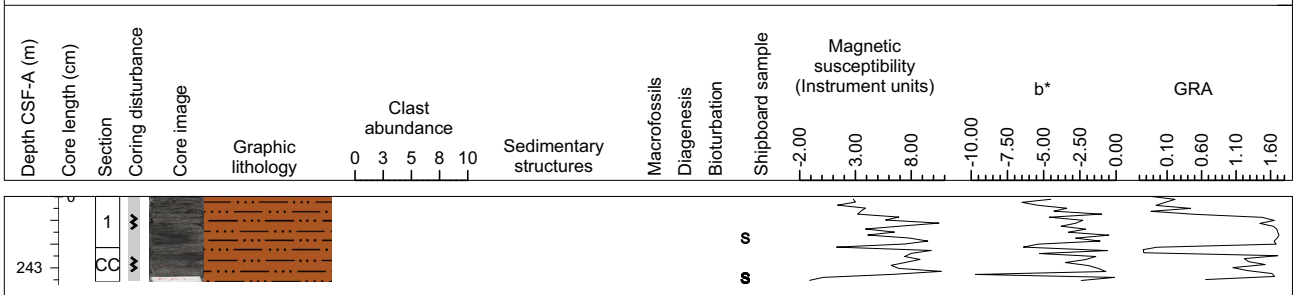
FALL-IN OR WASHED CLASTS. No other description.



Core Photo

Hole 318-U1359B Core 28X, Interval 242.4-243.11m (CSF-A)

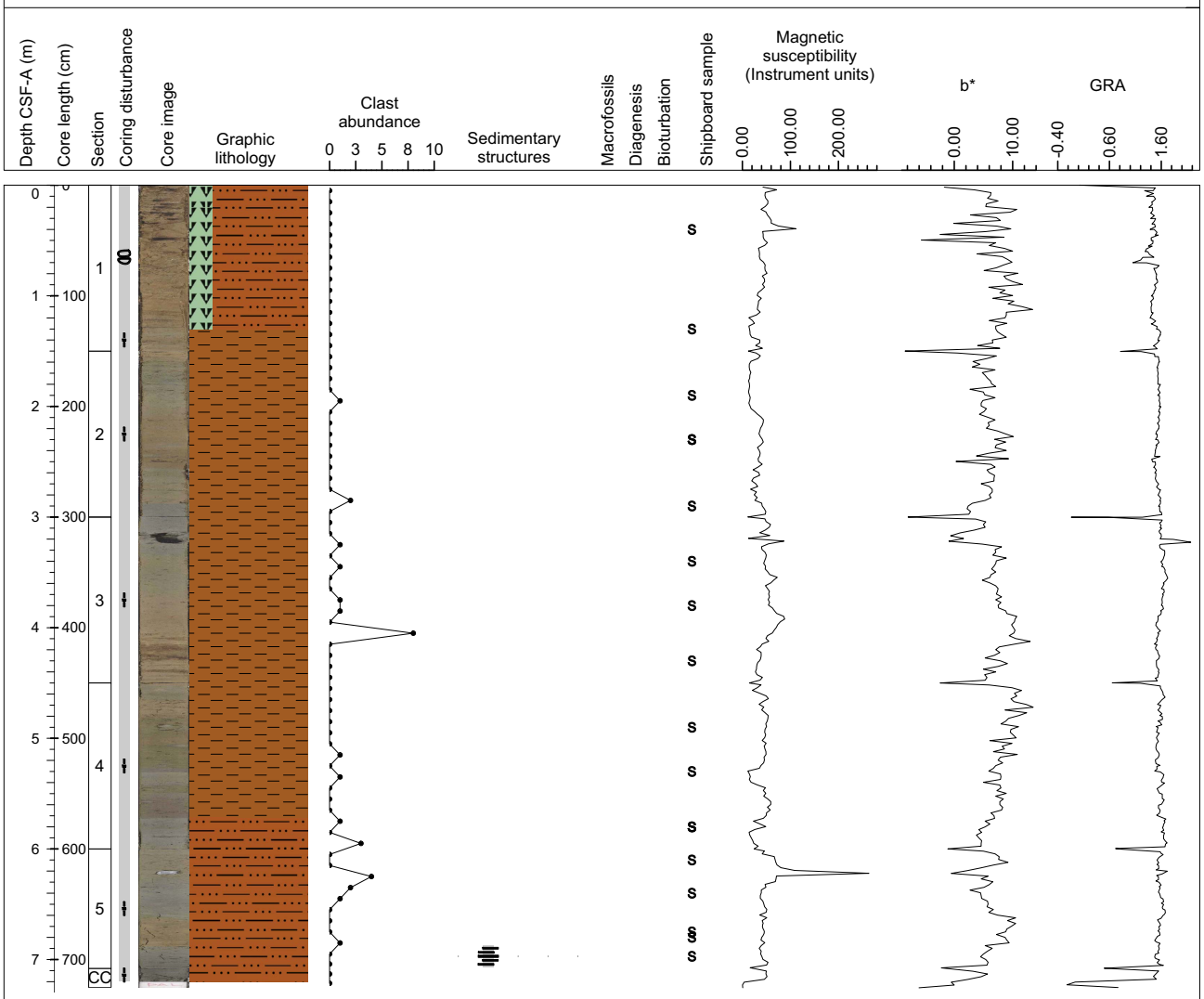
SILTY CLAY. Olive green grey silty clay. This XCB core exhibits extreme drilling disturbance.



Core Photo

Hole 318-U1359C Core 1H, Interval 0.0-7.25m (CSF-A)

CLAY AND SILTY CLAY WITH DISPERSED CLASTS. Yellow-brown to light grey in color. Generally structureless except for possible silt laminations at bottom of section 5. Section 1 is highly disturbed. Two large clasts (3-5cm) present in section 3.

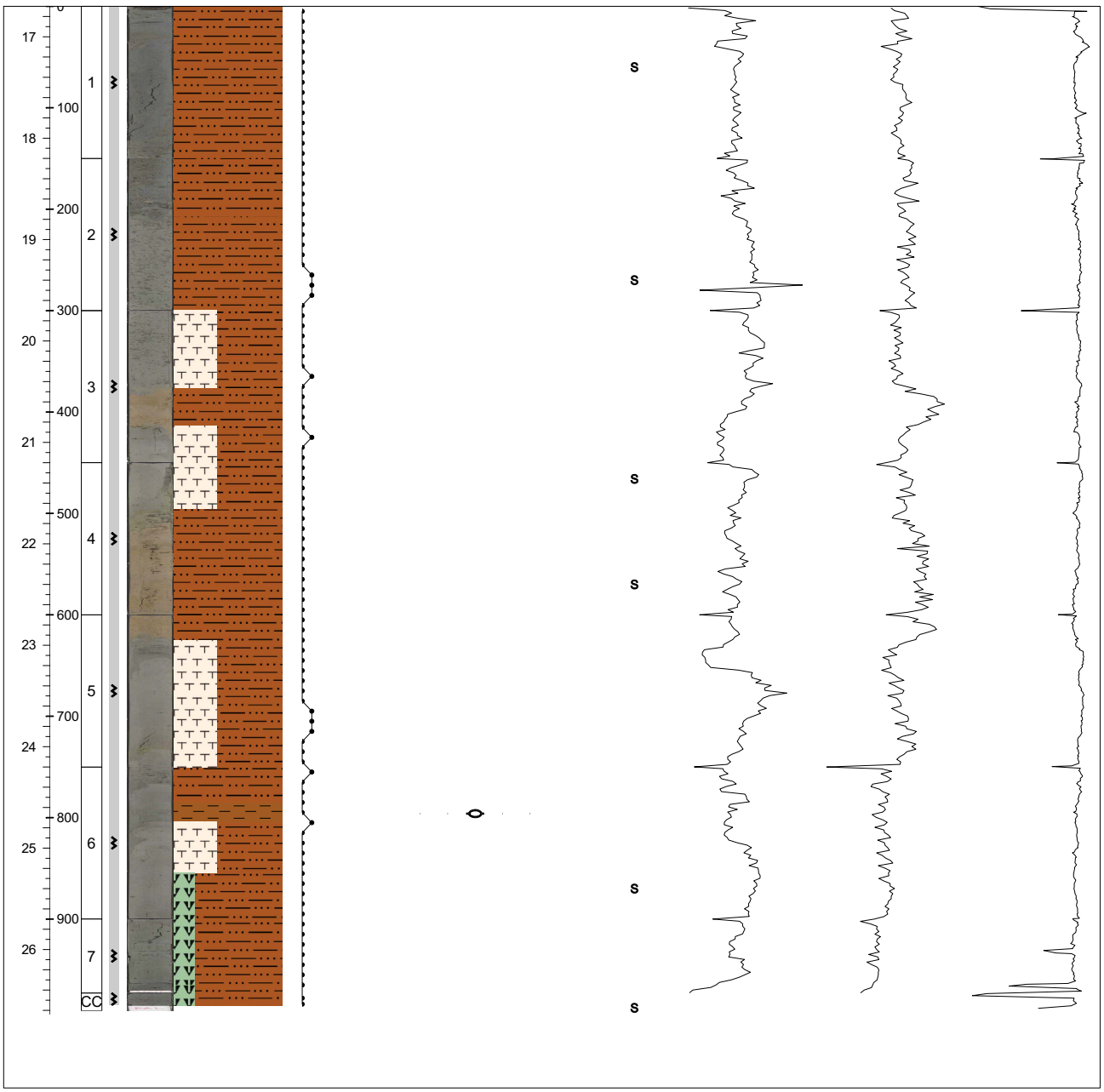


U1359C-2H NO RECOVERY

Core Photo

Hole 318-U1359C Core 3H, Interval 16.7-26.6m (CSF-A)

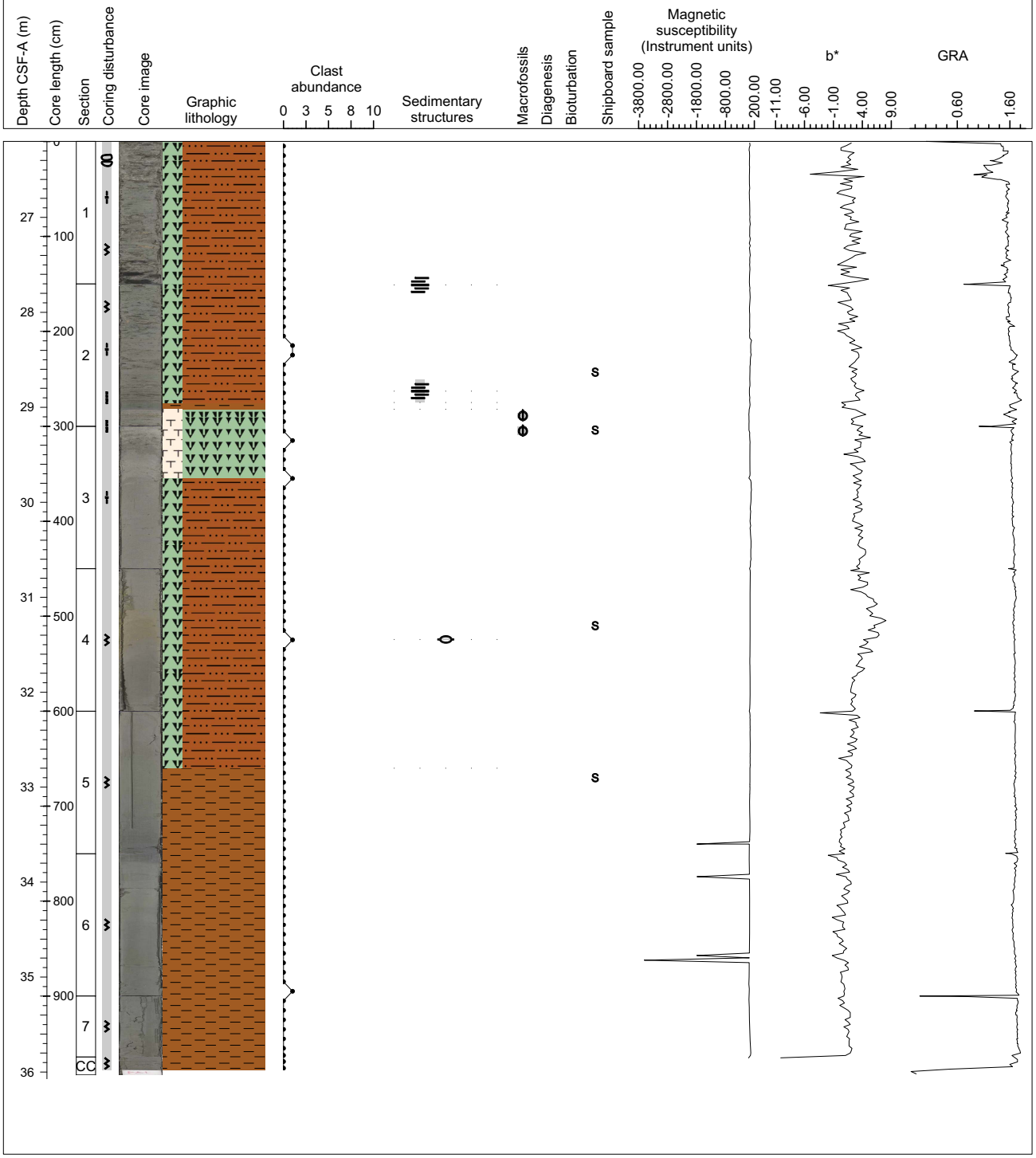
SILTY CLAY AND FORAM-RICH SILTY CLAY. Lithologies alternate at dm to m scale. Drilling disturbance is extensive with mixing of lithologies at boundaries.



Core Photo

Hole 318-U1359C Core 4H, Interval 26.2-36.03m (CSF-A)

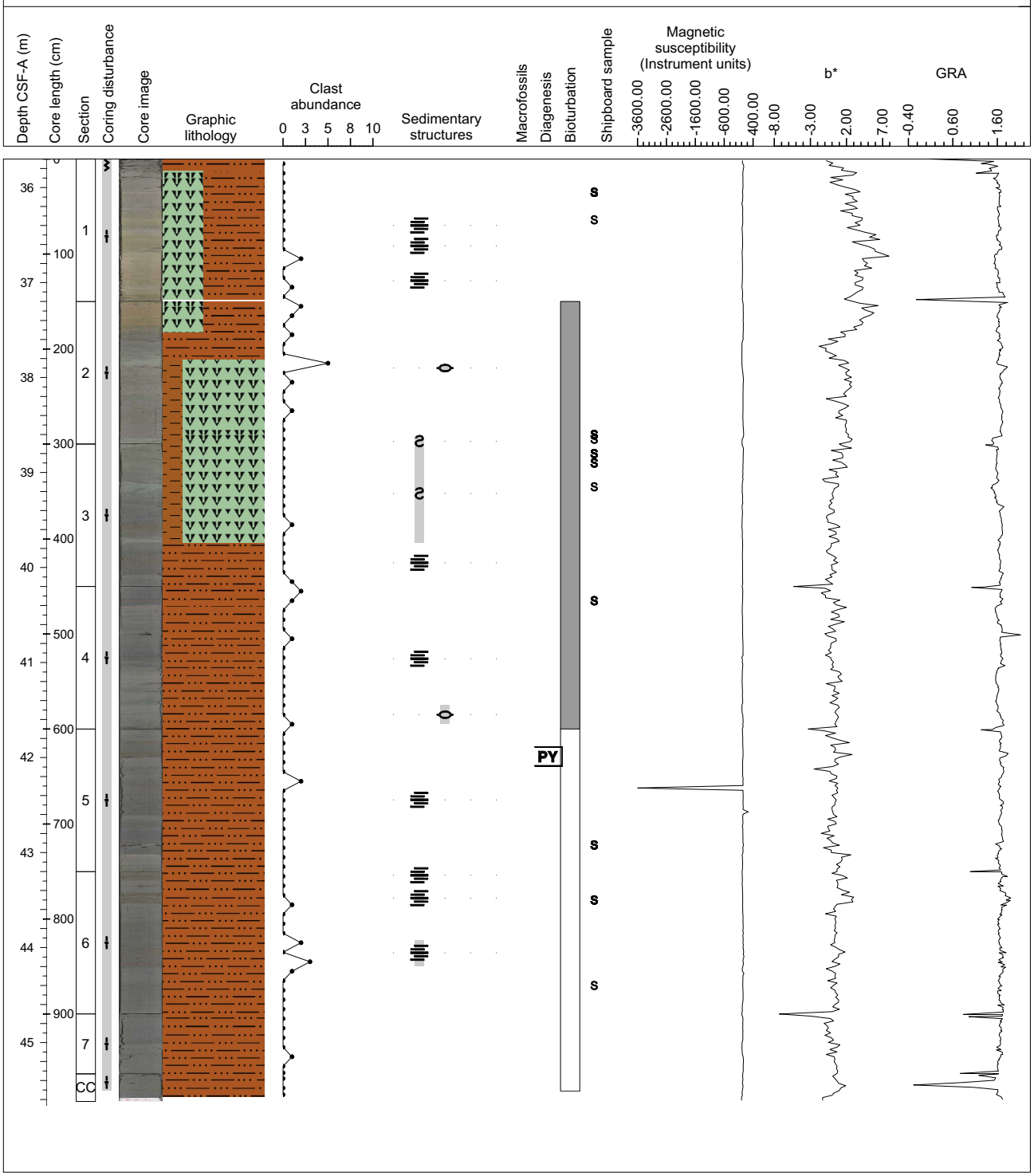
DIATOM-BEARING SILTY CLAY WITH DISPERSED CLASTS, WITH FORAM-BEARING DIATOM OOZE AND CLAY. Colors: light greenish grey to olive brown. are generally structureless with laminations observed in only one location. Foraminifera are common in the upper 6.5 m of the core.



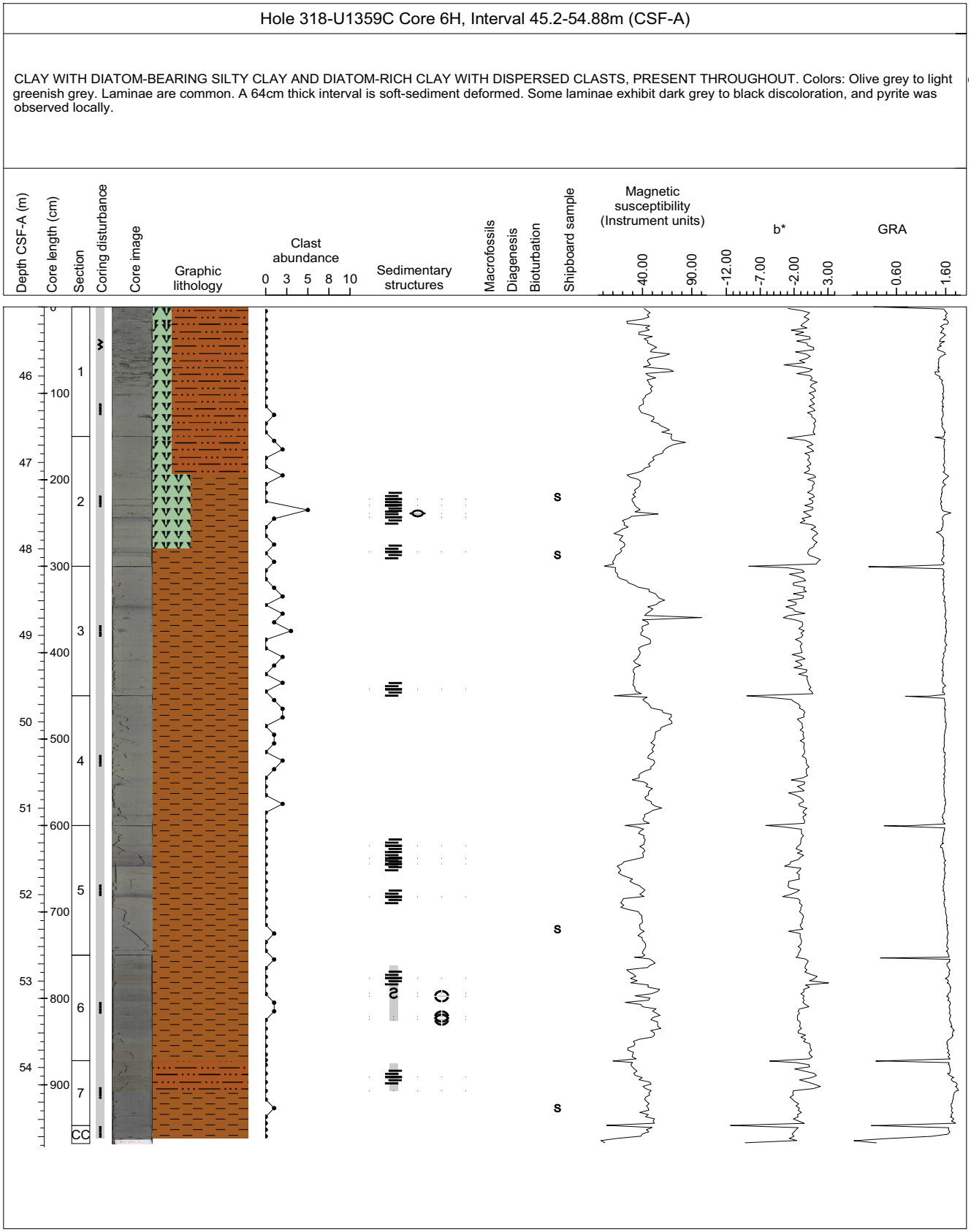
Core Photo

Hole 318-U1359C Core 5H, Interval 35.7-45.62m (CSF-A)

CLAY RICH SILTY CLAY and SILTY CLAY. Top 2 sections vary between diatom-rich silty clay and minor amounts of diatom ooze. New lithological unit seen at the base if section 2: silty clay with semi regular silty laminations. Section 3 is contorted.



Core Photo


Hole 318-U1359C Core 6H, Interval 45.2-54.88m (CSF-A)
CLAY WITH DIATOM-BEARING SILTY CLAY AND DIATOM-RICH CLAY WITH DISPERSED CLASTS, PRESENT THROUGHOUT. Colors: Olive grey to light greenish grey. Laminae are common. A 64cm thick interval is soft-sediment deformed. Some laminae exhibit dark grey to black discoloration, and pyrite was observed locally.
Depth CSF-A (m)
Core length (cm)
Section
Coring disturbance
Core image
Graphic lithology
Clast abundance
0 3 5 8 10
Sedimentary structures
Macrofossils
Diagenesis
Bioturbation
Shipboard sample
Magnetic susceptibility (Instrument units)
40.00
90.00
b*
-12.00
-7.00
-2.00
3.00
GRA
0.60
1.60
46
47
48
49
50
51
52
53
54
100
200
300
400
500
600
700
800
900
1
2
3
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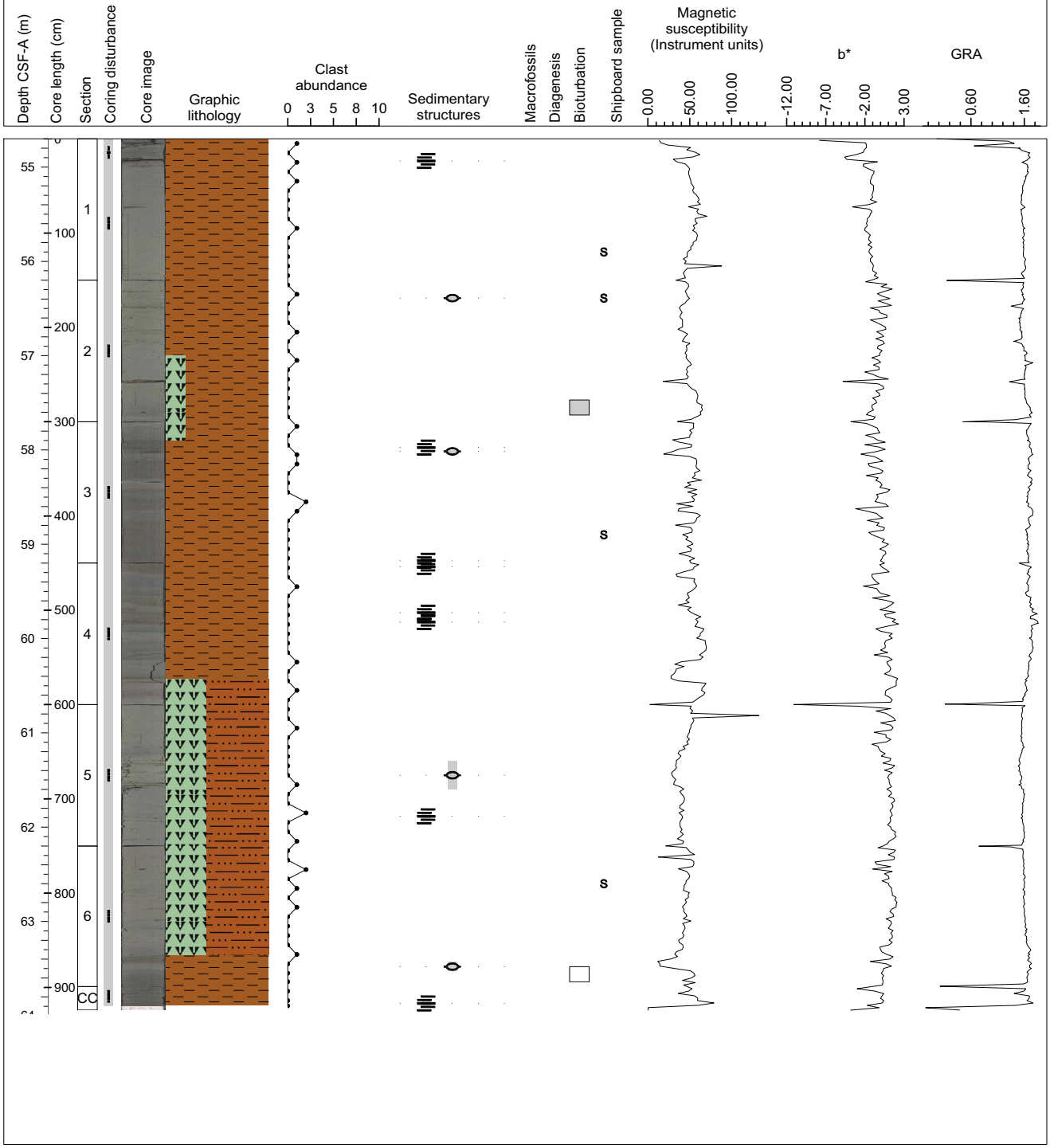
Core Photo

Hole 318-U1359C Core 7H, Interval 54.7-63.94m (CSF-A)

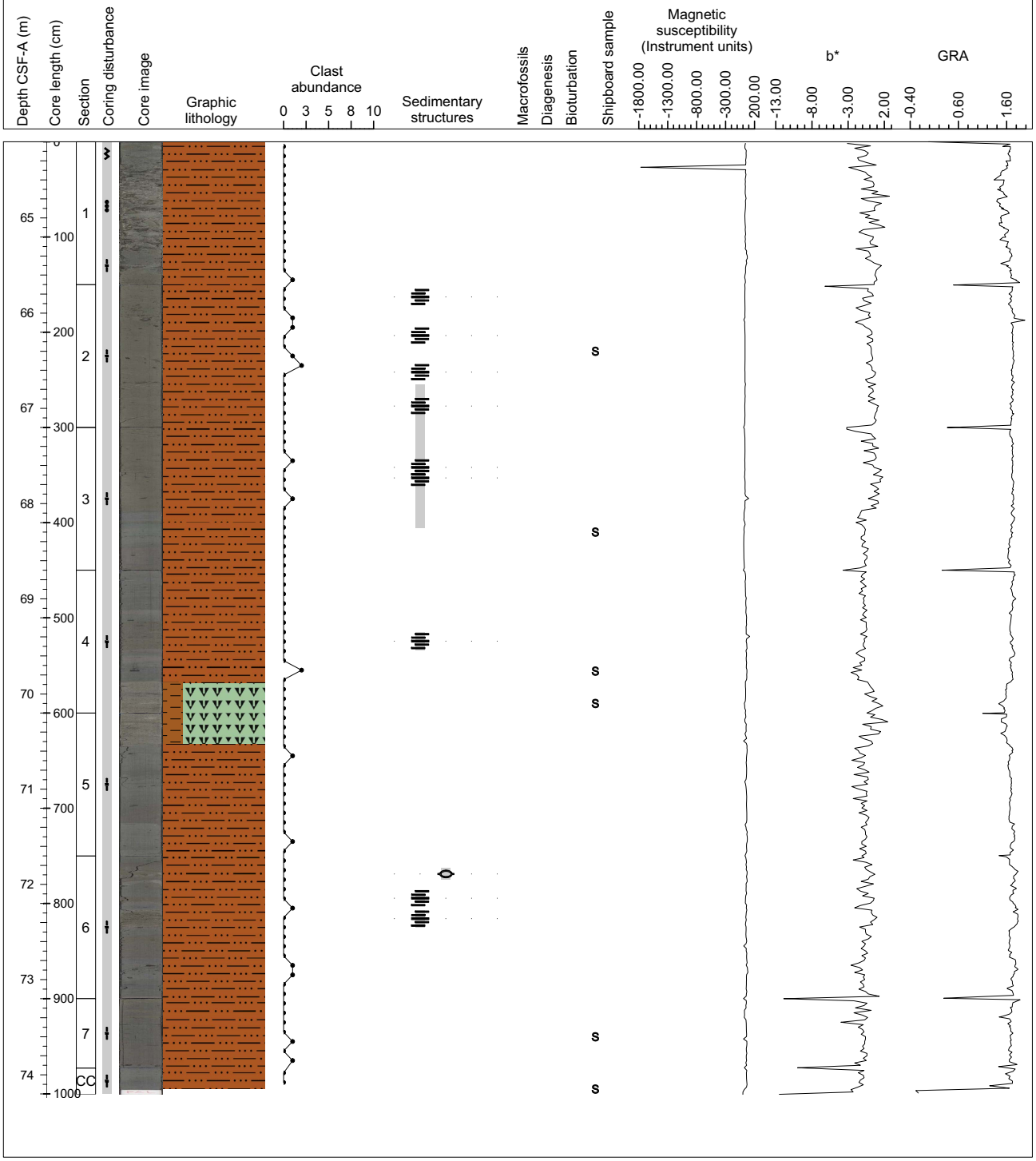
CLAY WITH DISPERSED CLASTS AND DIATOM-BEARING SILTY CLAY WITH DISPERSED CLASTS. Olive-grey to light green-grey in color. Beds of the two major lithologies alterrate through the core at m-scale. CLAY lithology contains discrete intervals of concentrated silt laminations, and disporesed small patches(<3mm) of sand. Limited bioturbation observed in clay-rich intervals.



Core Photo

Hole 318-U1359C Core 8H, Interval 64.2-74.2m (CSF-A)

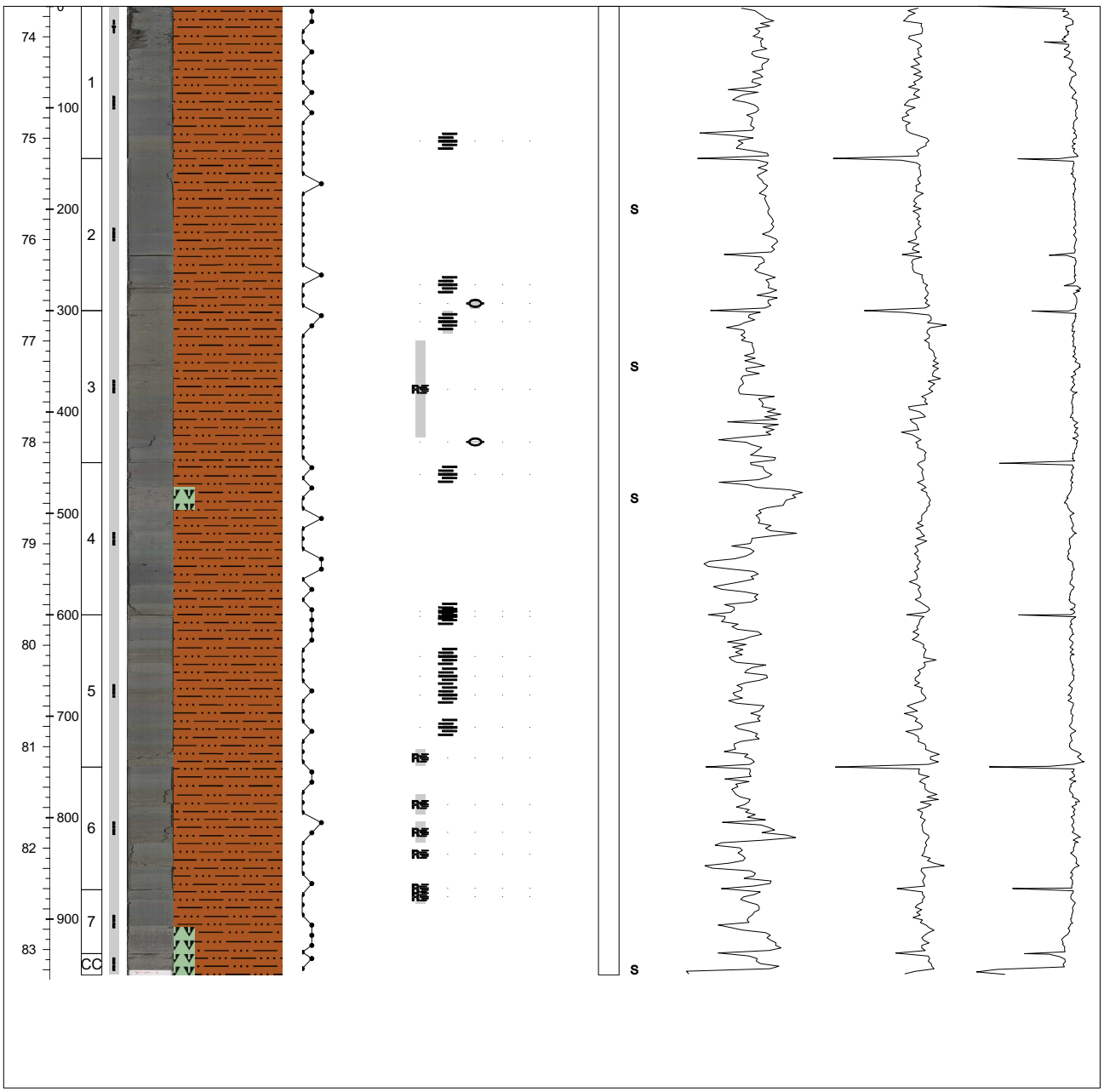
SILTY CLAY and CLAY BEARING DIATOM OOZE. Silty laminations are observed in olive grey silty clays.



Core Photo

Hole 318-U1359C Core 9H, Interval 73.7-83.25m (CSF-A)

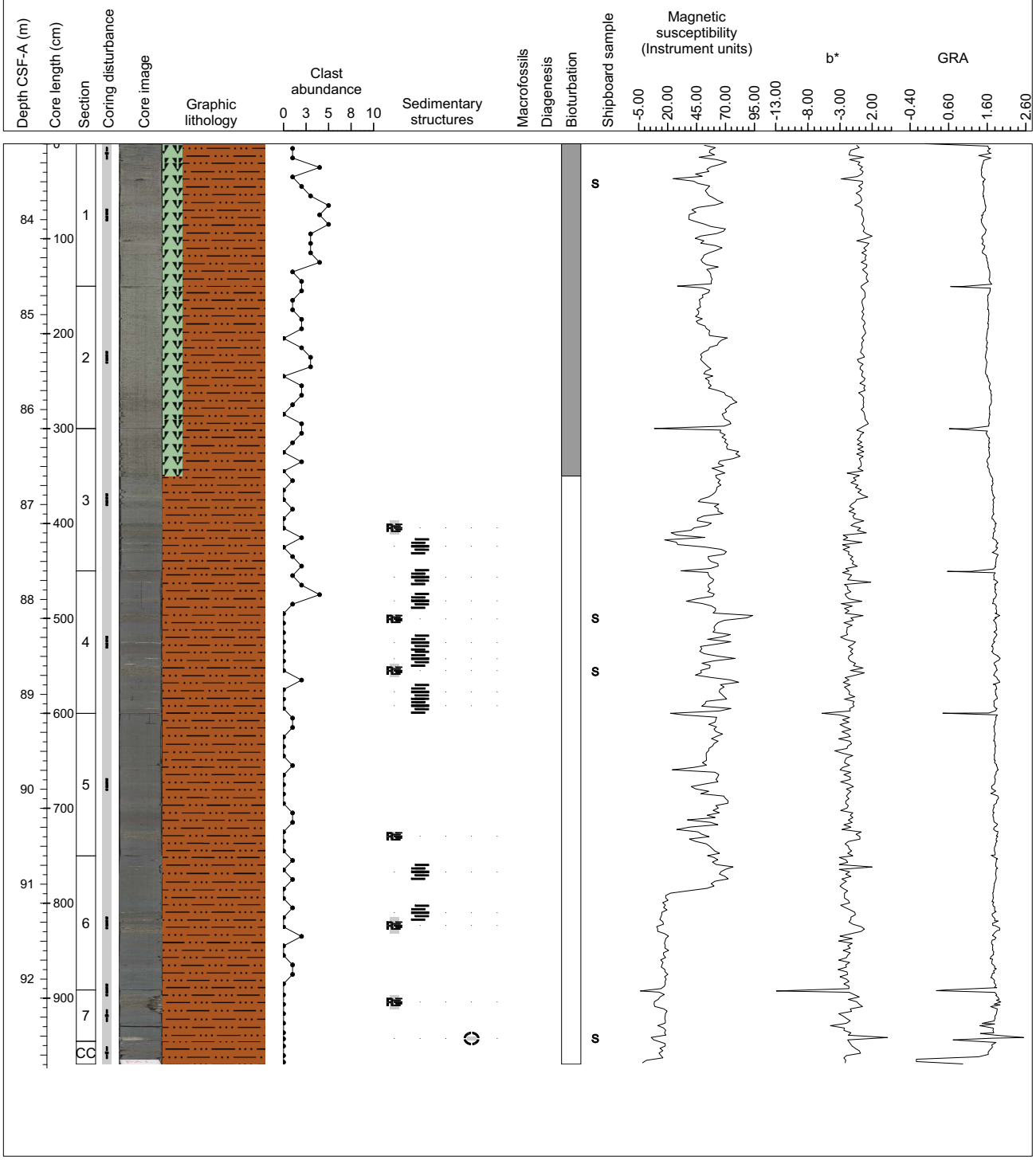
SILTY CLAY WITH DISPERSED CLASTS. Olive grey color. most massive, but with occasional silty laminae, some of which display rhythmic couplet of diatom-rich silt and silty clay. Two short intervals of diatom-bearing silty clay occur.



Core Photo

Hole 318-U1359C Core 10H, Interval 83.2-92.895m (CSF-A)

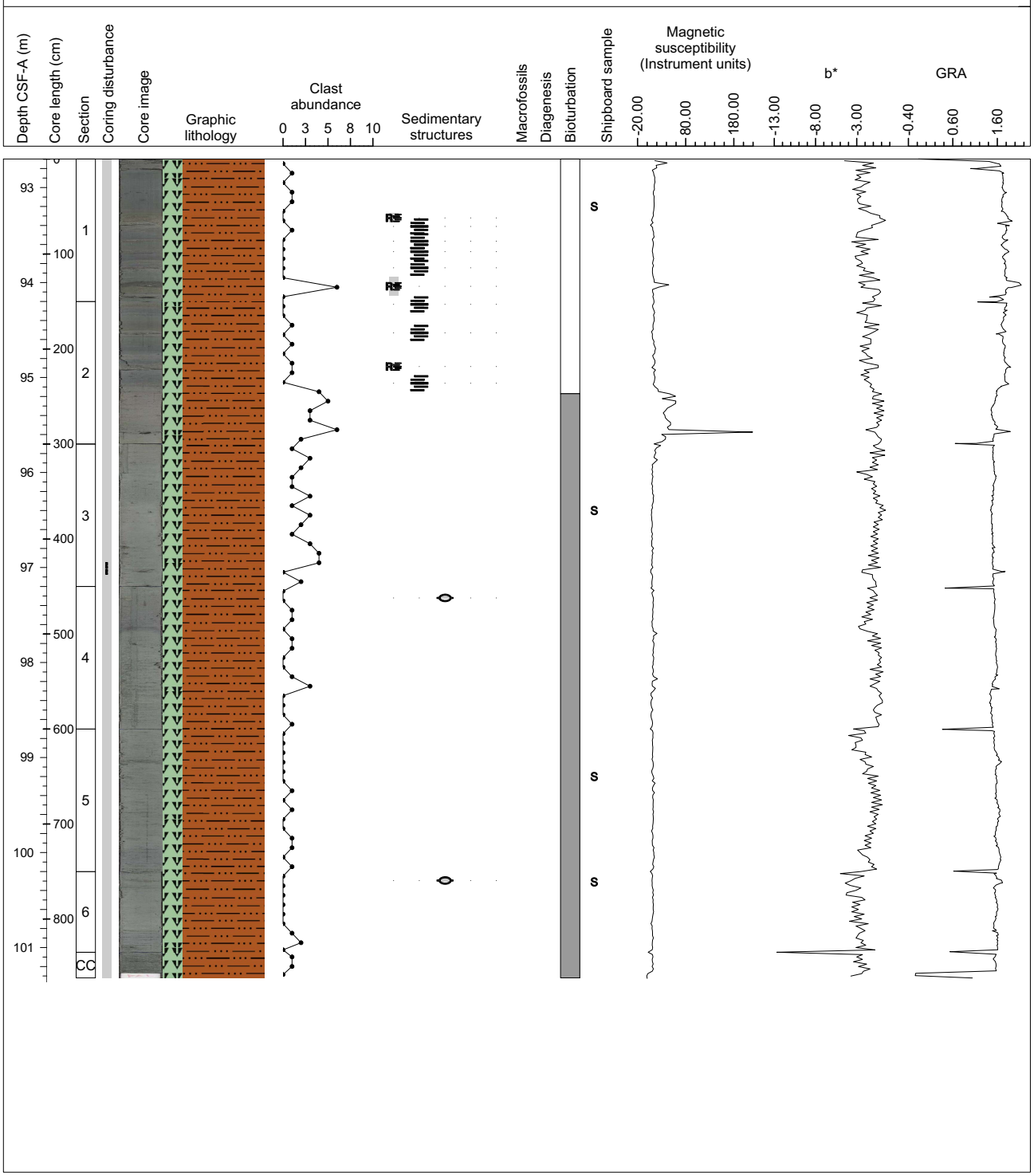
DIATOM-BEARING SILTY CLAY AND SILTY CLAY (both WITH DISPERSED) The top of the core consists of greenish grey color, massive diatom bearing silty clay grading down into a silty clay that has intervals of clayey silt laminae, some of which display rhythmic couplets. Dispersed clasts occur throughout.



Core Photo

Hole 318-U1359C Core 11H, Interval 92.7-101.32m (CSF-A)

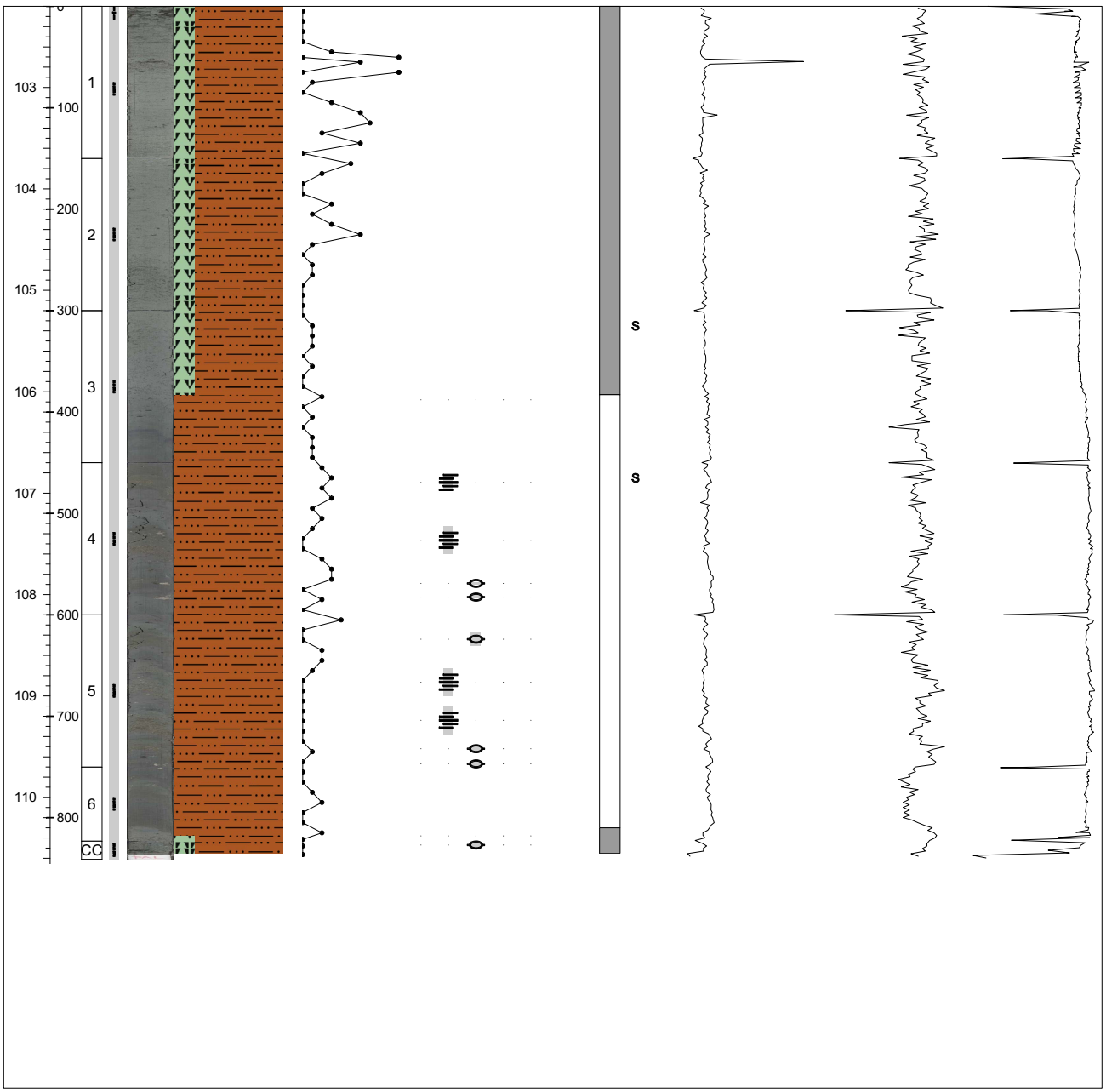
SILTY CLAY AND DIATOM-BEARING SILTY CLAY (both WITH DISPERSED) The top of the core consists of a silty clay that has intervals of clayey silt laminae (some of which display rhythmic couplets) that passes sharply down into a greenish grey massive diatom-bearing silty clay with moderate bioturbation. Dispersed clasts occur throughout.



Core Photo

Hole 318-U1359C Core 12H, Interval 102.2-110.61m (CSF-A)

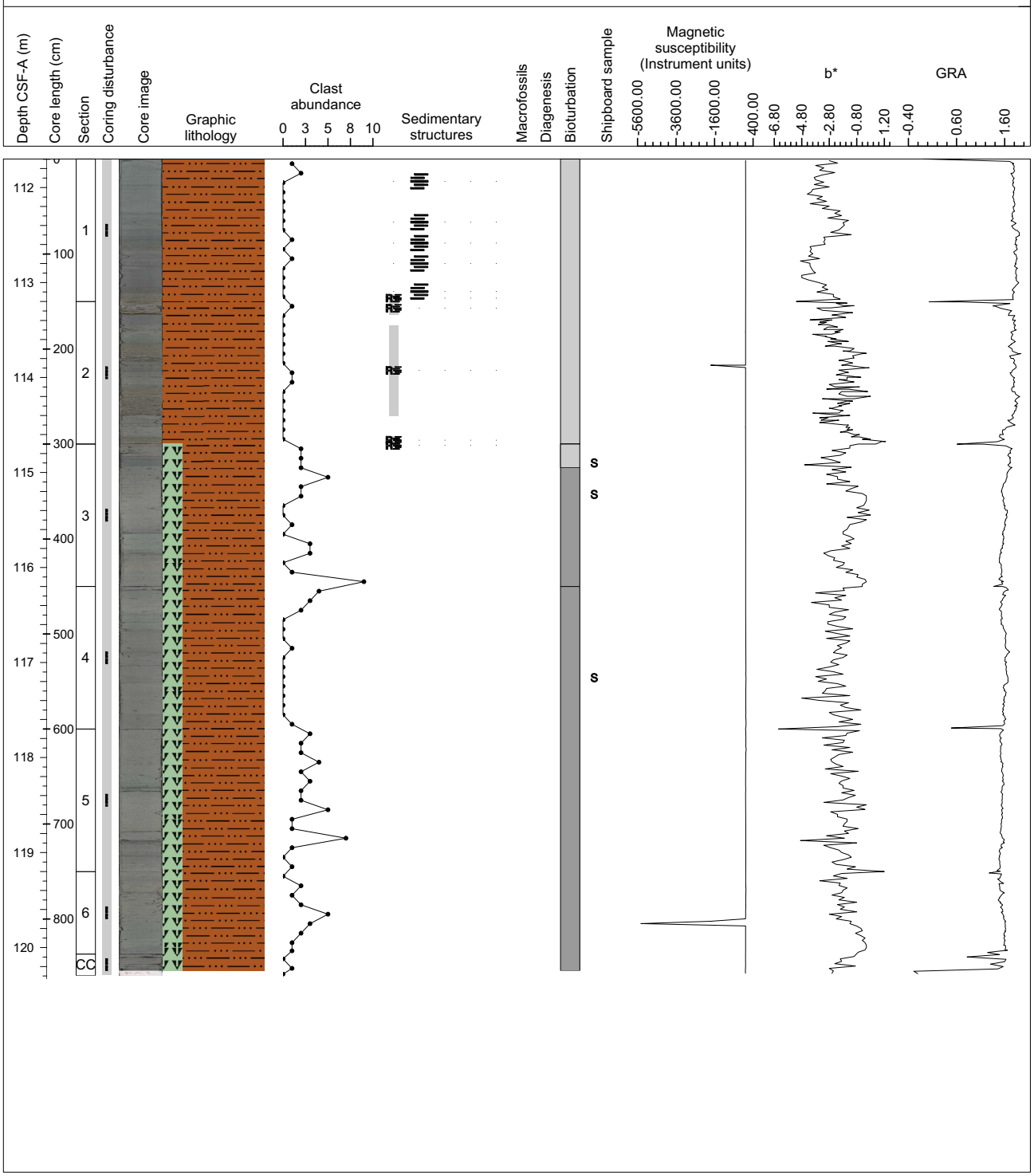
DIATOM-BEARING SILTY CLAY AND SILTY CLAY (both WITH DISPERSED) The top of the core consists of greenish grey color, massive diatom bearing silty clay grading down into a silty clay that has intervals of clayey silt laminae, some of which display rhythmic couplets. The base of the core returns sharply to diatom-bearing silty clay. Dispersed clasts occur throughout.



Core Photo

Hole 318-U1359C Core 13H, Interval 111.7-120.29m (CSF-A)

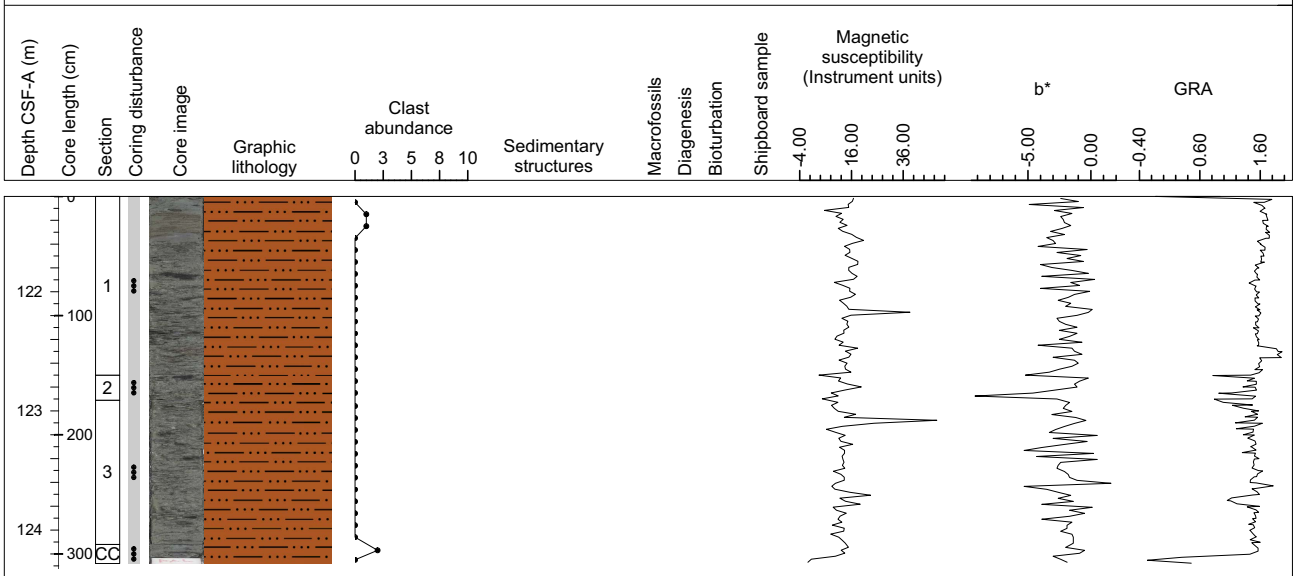
SILTY CLAY AND DIATOM-BEARING SILTY CLAY (both WITH DISPERSED) The top of the core consists of a olive grey/greenish grey silty clay that has intervals of clayey silt laminae (some of which display rhythmic couplets) that passes sharply down into a greenish grey massive diatom-bearing silty clay with moderate bioturbation. Dispersed clasts occur throughout.



Core Photo

Hole 318-U1359C Core 14H, Interval 121.2-124.28m (CSF-A)

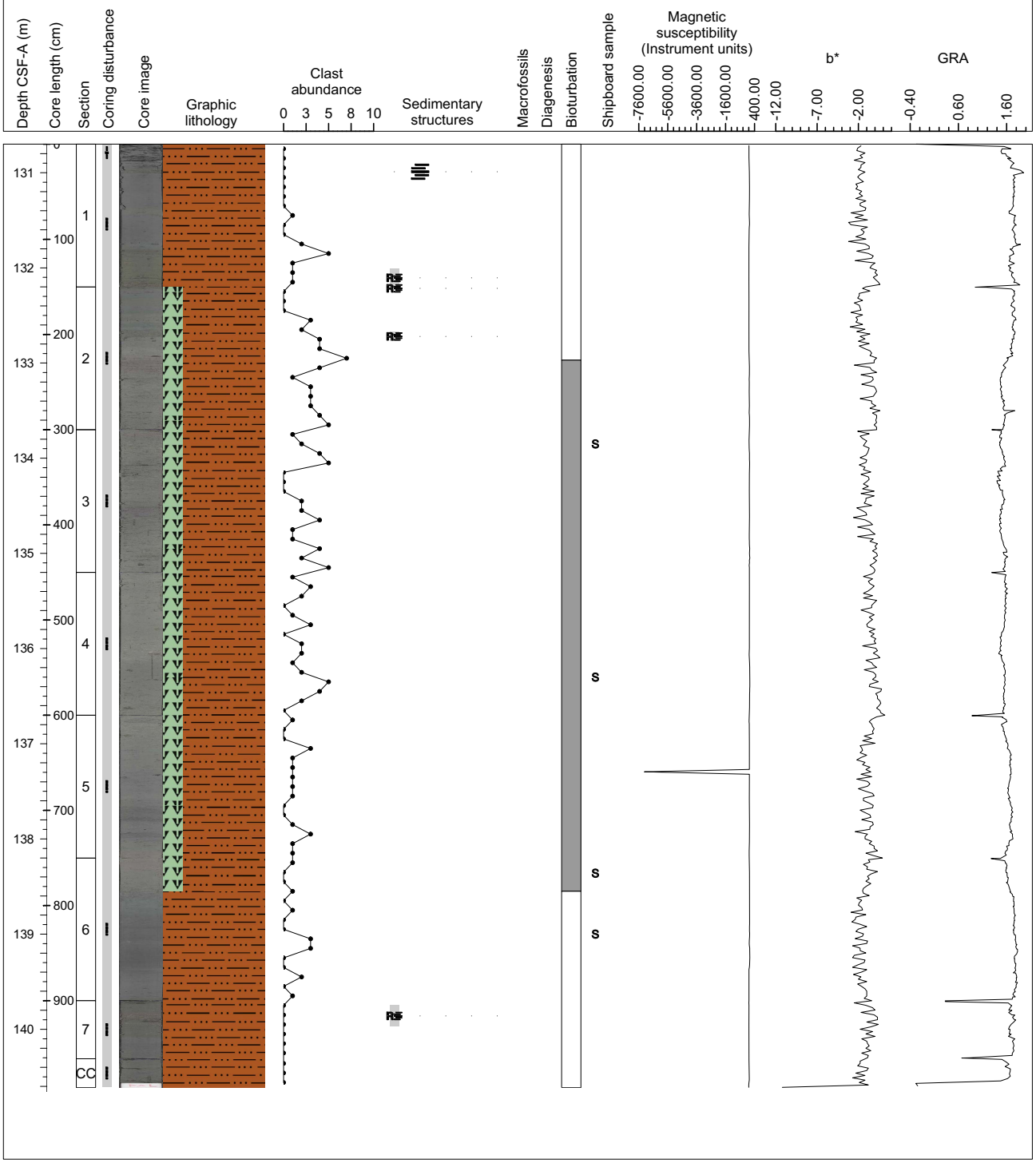
SILTY CLAY. Soupy through entire length of core. STRATIGRAPHIC INTEGRITY IS HIGHLY SUSPECT.



Core Photo

Hole 318-U1359C Core 15H, Interval 130.7-140.61m (CSF-A)

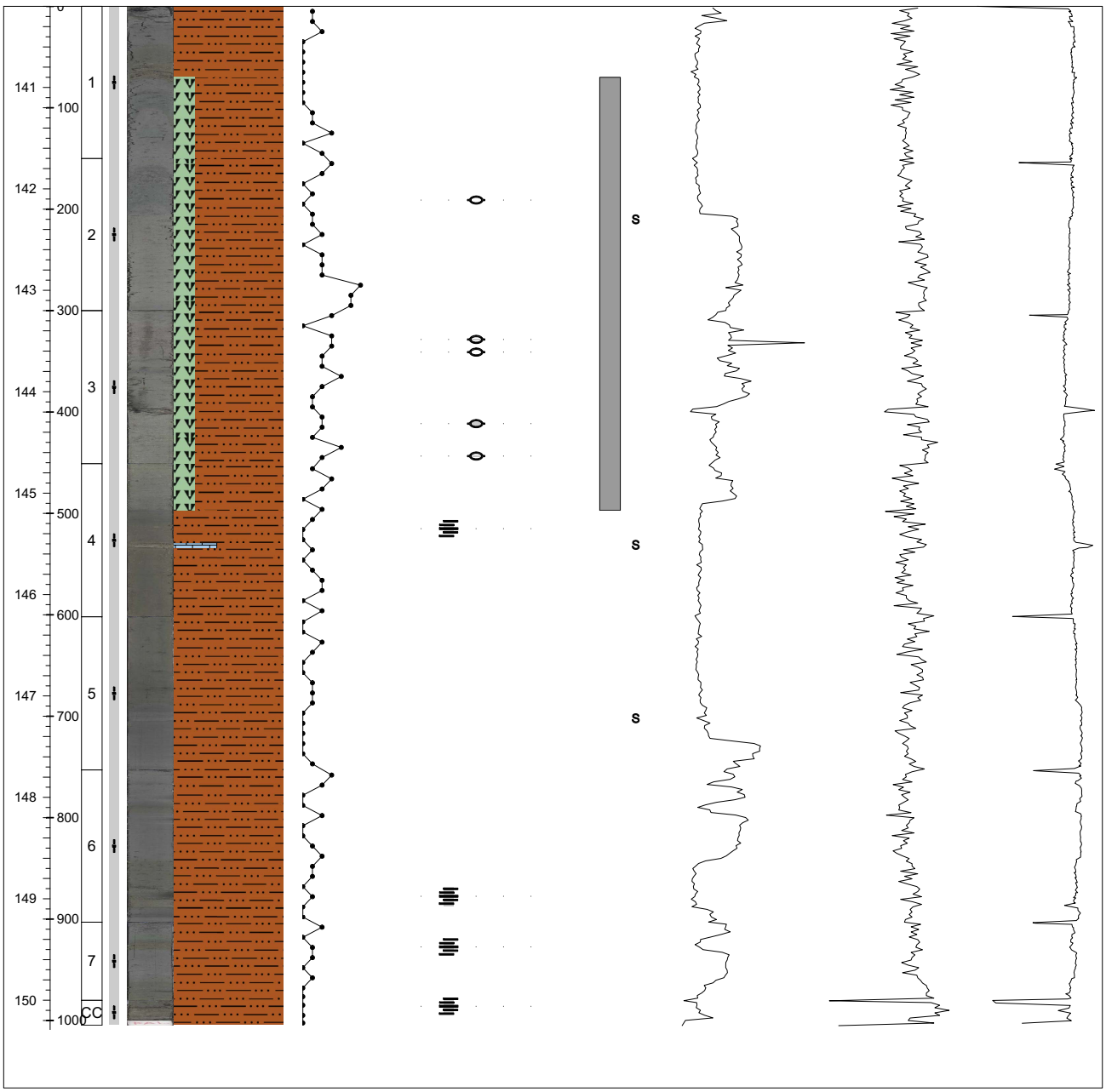
SILTY CLAY AND DIATOM-BEARING SILTY CLAY (both WITH DISPERSED) The top of the core consists of a olive grey/greenish grey silty clay that has intervals of clayey silt laminae (some of which display rhythmic couplets) that passes gradually down into a greenish grey massive diatom-bearing silty clay with moderate bioturbation. The base of the core passes back into silty clay with occasional silt laminae. Dispersed clasts occur throughout.



Core Photo

Hole 318-U1359C Core 16H, Interval 140.2-150.245m (CSF-A)

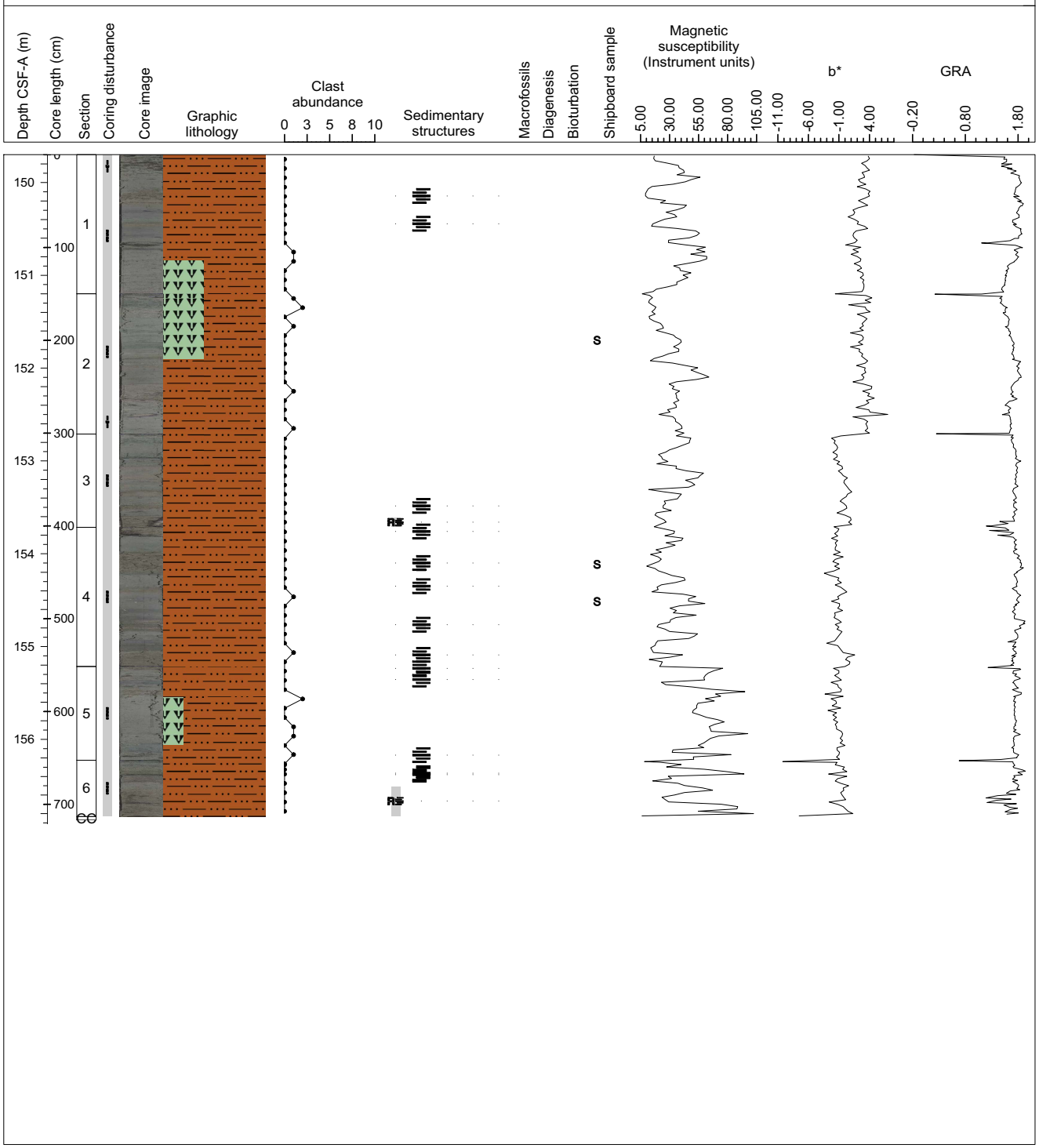
SILTY CLAY AND DIATOM-BEARING SILTY CLAY (both WITH DISPERSED) The top of the core consists of a olive grey/greenish grey silty clay that passes down into a greenish grey massive diatom-bearing silty clay with moderate bioturbation. The base of the core passes back into silty clay with occasional silt laminae. Dispersed clasts occur throughout.



Core Photo

Hole 318-U1359C Core 17H, Interval 149.7-156.87m (CSF-A)

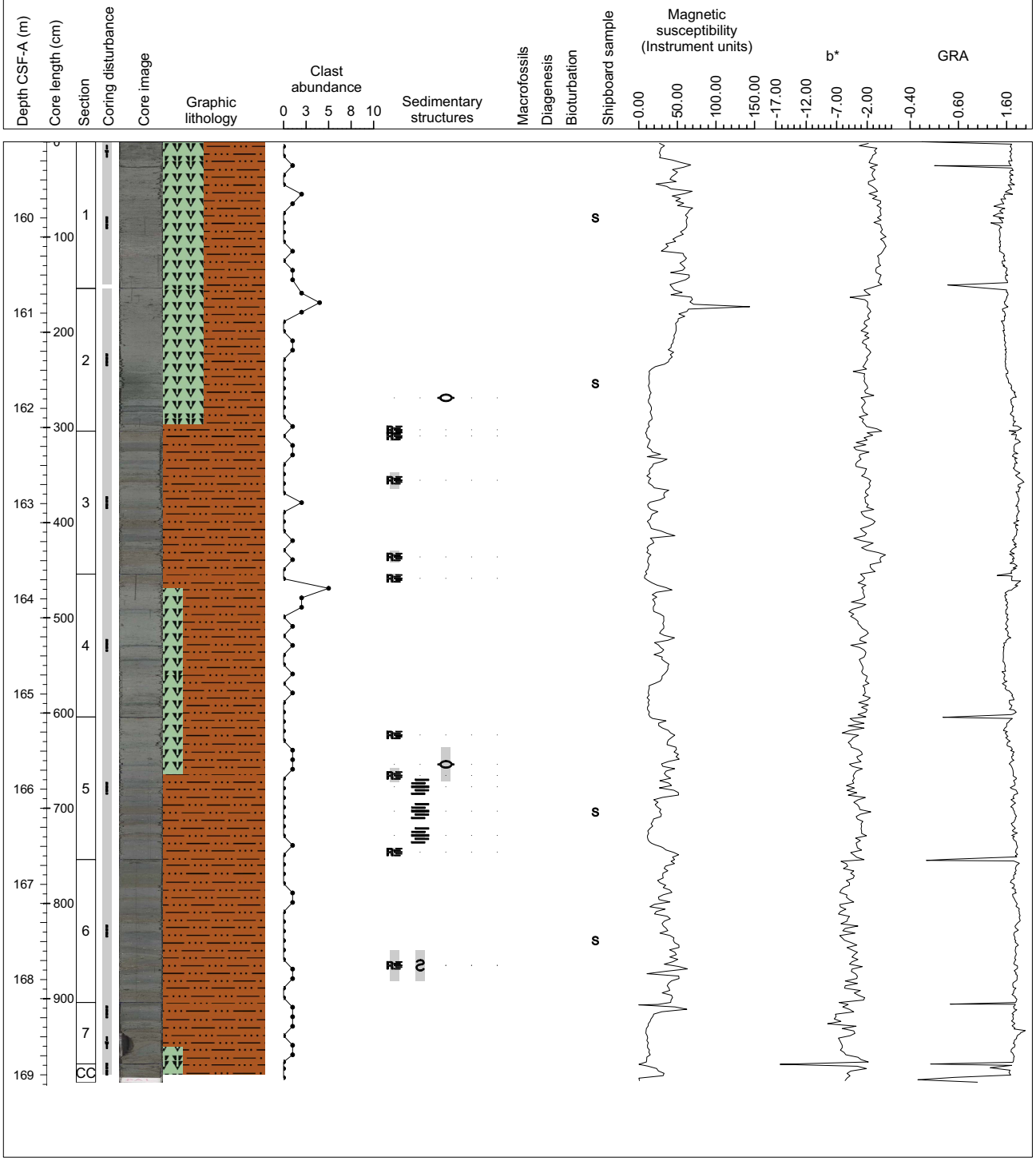
SILTY CLAY WITH DISPERSED CLASTS and DIATOM RICH SILTY CLAY WITH DISPERSED CLASTS. Olive grey to light gren-grey in colour. Diatom poor intervals characterised packages of rhythmically bedded/alternating silt and clay laminations (each 0.5-1.0 cm thick). in some intervals multiple silt laminations amalgamate to form dm-scale silt-rich horizons.



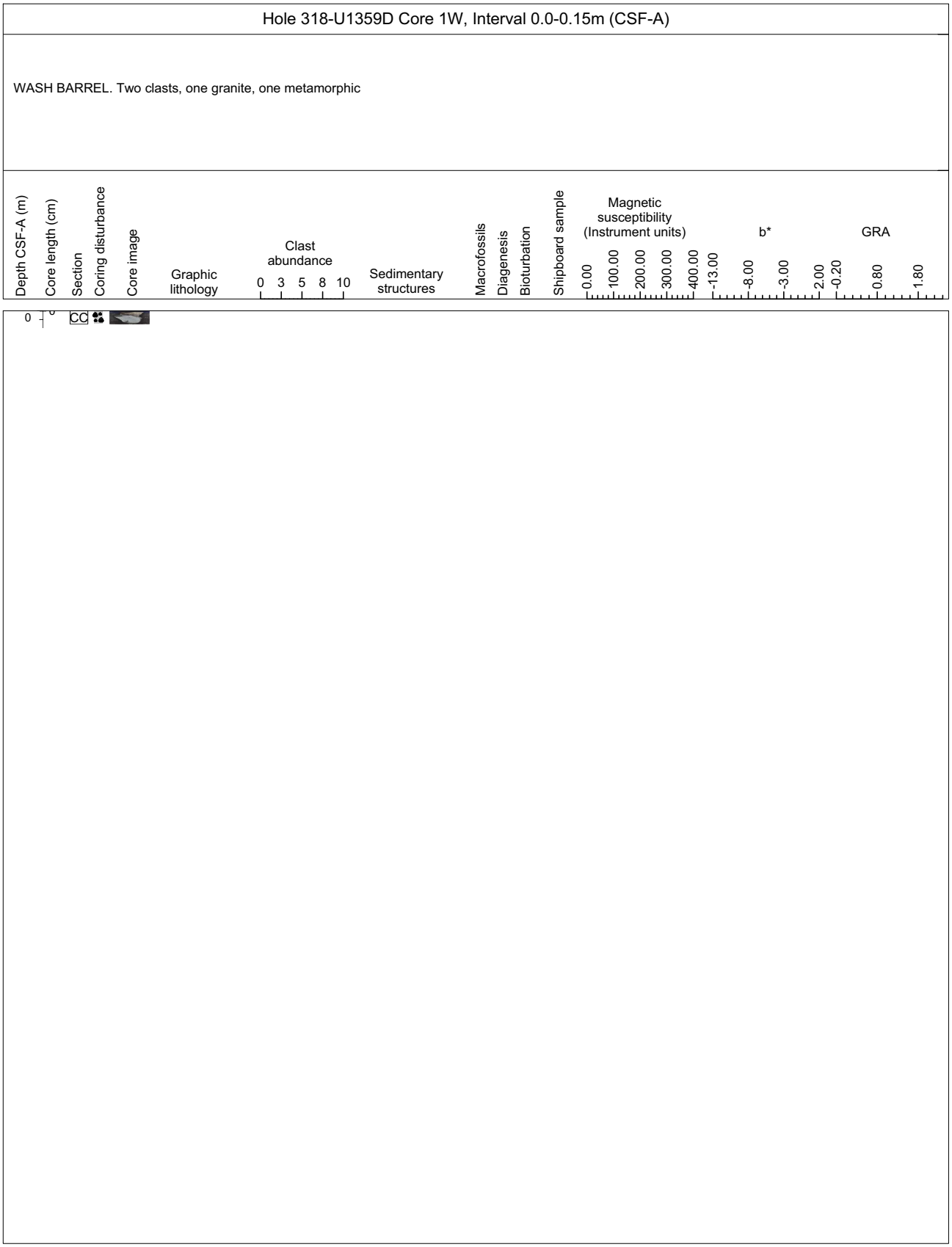
Core Photo

Hole 318-U1359C Core 18H, Interval 159.2-169.075m (CSF-A)

DIATOM BEARING SILTY CLAY and SILTY CLAY. The diatom bearing silty clay has few sedimentary structures. The dark green grey silty clay has fairly regular rhythmic laminations which appear associated with patches of more diatom bearing silty clay which are olive in colour.



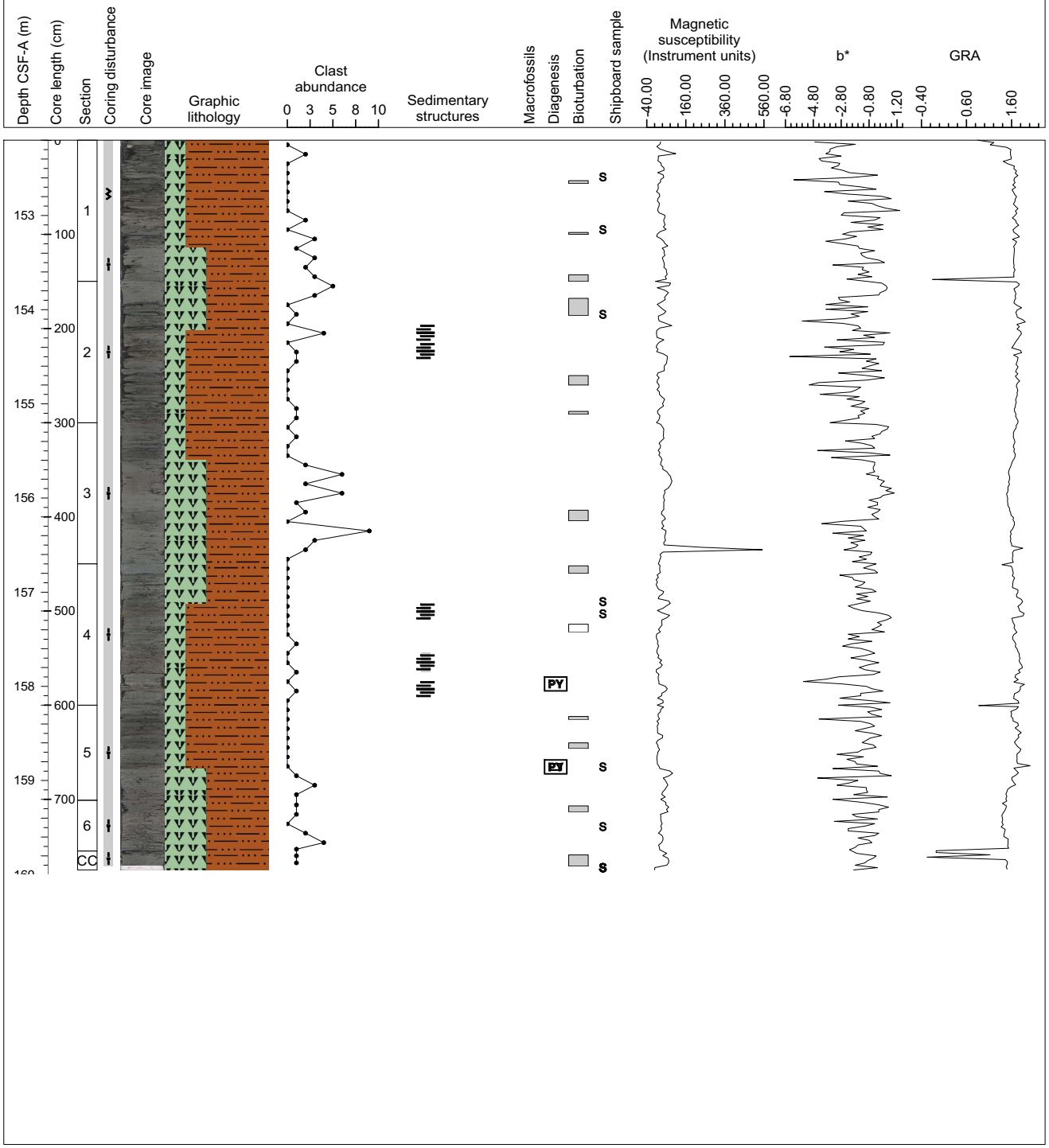
Core Photo


Hole 318-U1359D Core 1W, Interval 0.0-0.15m (CSF-A)
WASH BARREL. Two clasts, one granite, one metamorphic
Depth CSF-A (m)
Core length (cm)
Section
Coring disturbance
Core image
Graphic lithology
Clast abundance
0 3 5 8 10
Sedimentary structures
Macrofossils
Diagenesis
Bioturbation
Shipboard sample
Magnetic susceptibility (Instrument units)
0.00 100.00 200.00 300.00 400.00
b*
-13.00 -8.00 -3.00 2.00 -0.20
GRA
0.80 1.80
0
CC

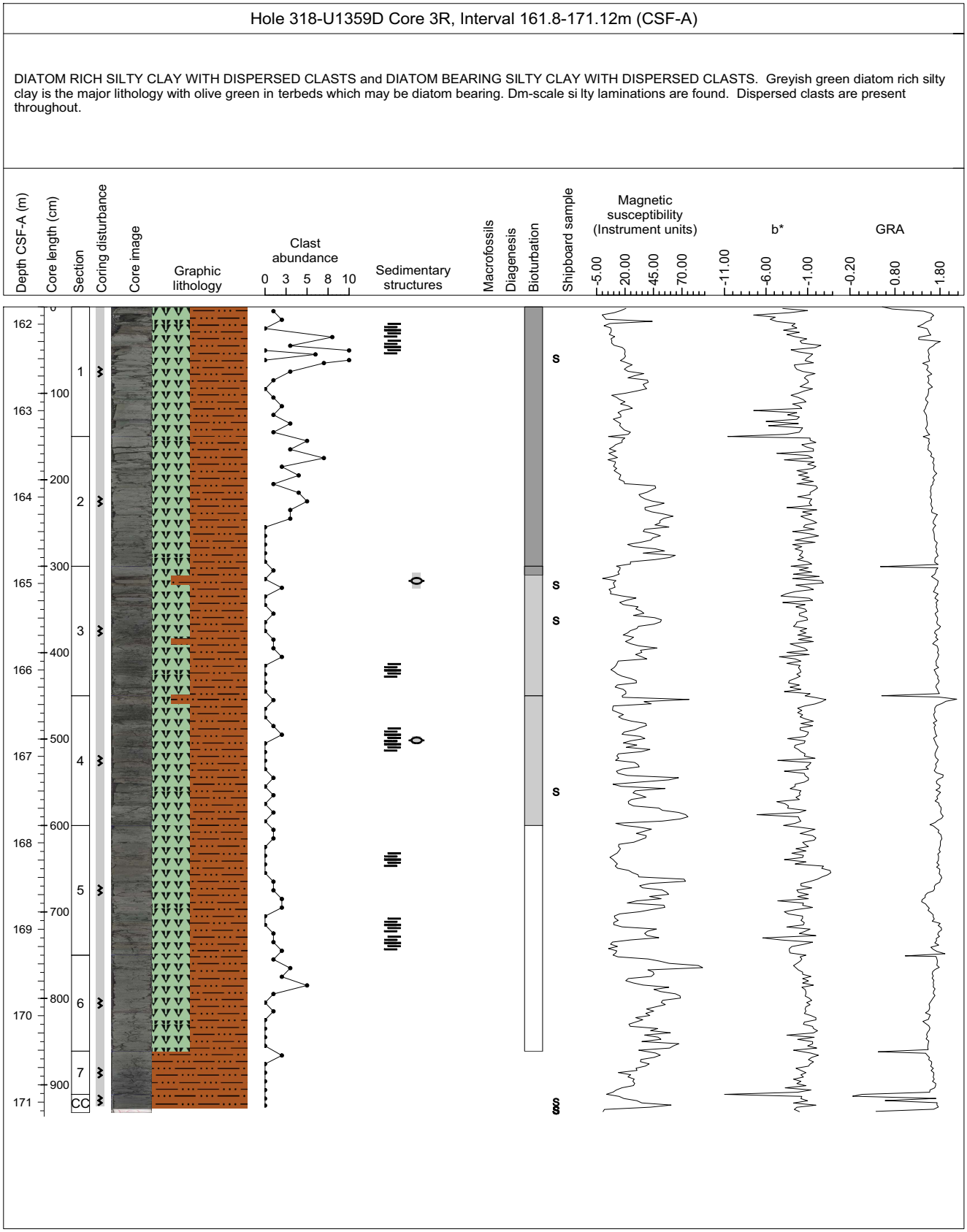
Core Photo

Hole 318-U1359D Core 2R, Interval 152.2-159.95m (CSF-A)

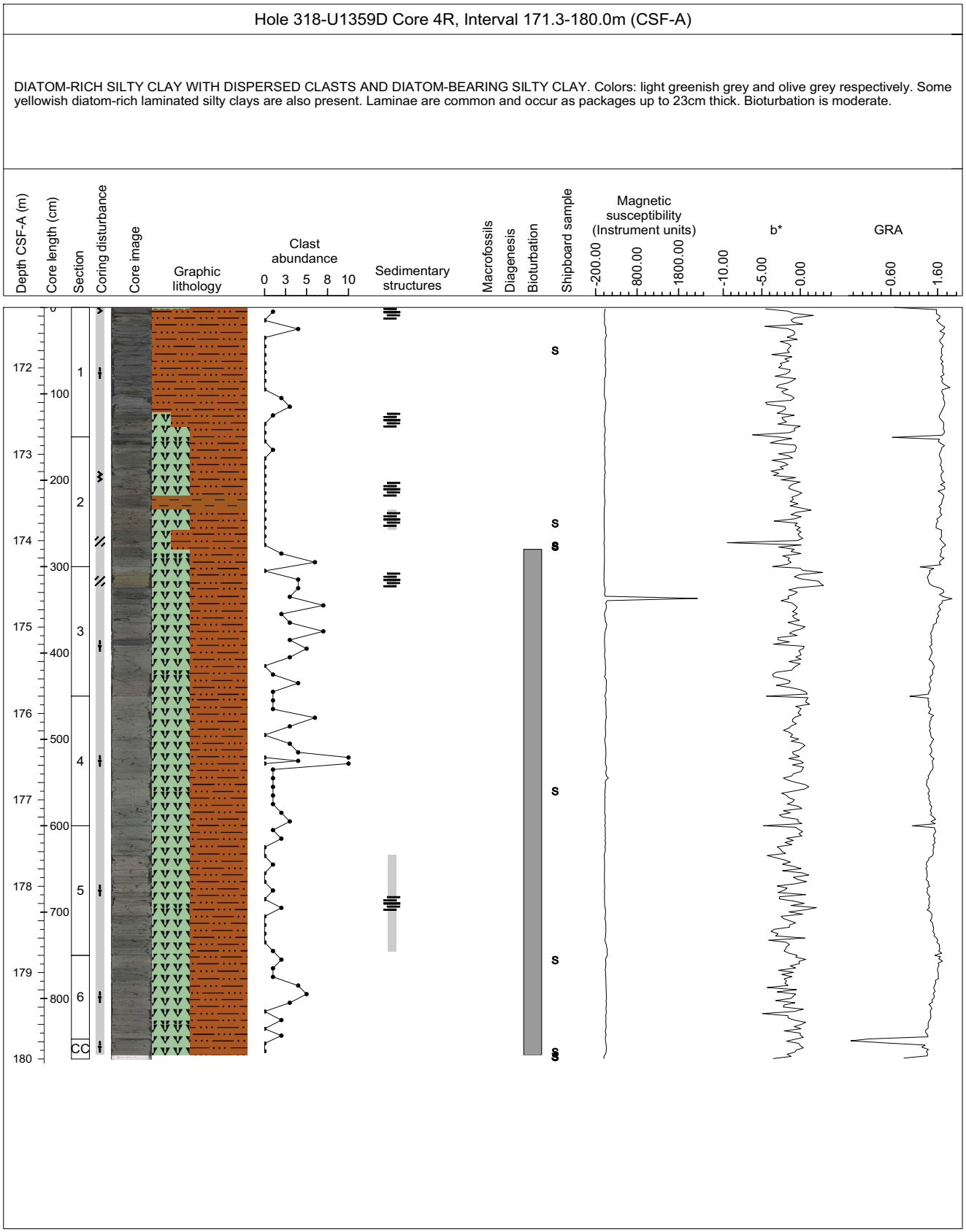
DIATOM-BEARING AND DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS. Light green-grey to olive-grey in color. Bioturbation index 2, evident throughout where core disturbance is minimam, ~ 10cm packages of silt lamination present in sections 2 and 4. Localized intervals containing carbonate and pyrite cement. Most intervals contain abundant granule-size clast and small disposal throughout.



Core Photo


Hole 318-U1359D Core 3R, Interval 161.8-171.12m (CSF-A)
DIATOM RICH SILTY CLAY WITH DISPERSED CLASTS and DIATOM BEARING SILTY CLAY WITH DISPERSED CLASTS. Greyish green diatom rich silty clay is the major lithology with olive green in terbeds which may be diatom bearing. Dm-scale si lty laminations are found. Dispersed clasts are present throughout.
Depth CSF-A (m)
Core length (cm)
Section
Coring disturbance
Core image
Graphic lithology
Clast abundance
0 3 5 8 10
Sedimentary structures
Macrofossils
Diagenesis
Bioturbation
Shipboard sample
Magnetic susceptibility (Instrument units)
-5.00 20.00 45.00 70.00
b*
-11.00 -6.00 -1.00
GRA
-0.20 0.80 1.80
162
163
164
165
166
167
168
169
170
171
1
2
3
4
5
6
7
CC
100
200
300
400
500
600
700
800
900
S

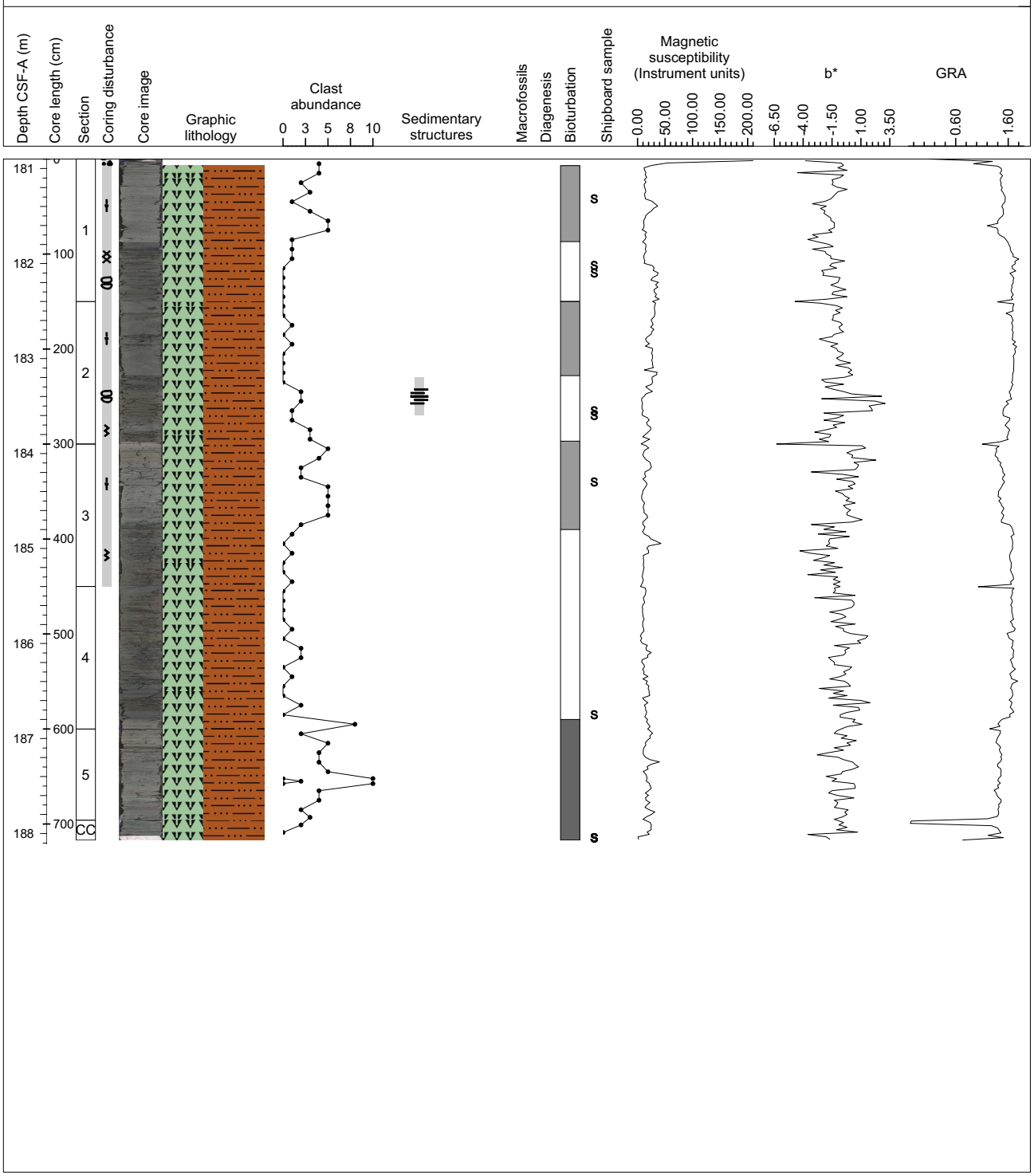
Core Photo


Hole 318-U1359D Core 4R, Interval 171.3-180.0m (CSF-A)
DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS AND DIATOM-BEARING SILTY CLAY. Colors: light greenish grey and olive grey respectively. Some yellowish diatom-rich laminated silty clays are also present. Laminae are common and occur as packages up to 23cm thick. Bioturbation is moderate.
Depth CSF-A (m)
Core length (cm)
Section
Coring disturbance
Core image
Graphic lithology
Clast abundance
0 3 5 8 10
Sedimentary structures
Macrofossils
Diagenesis
Bioturbation
Shipboard sample
Magnetic susceptibility (Instrument units)
-200.00 800.00 1800.00
b*
-10.00 -5.00 0.00
GRA
0.60 1.60
172 173 174 175 176 177 178 179 180
100 200 300 400 500 600 700 800
1 2 3 4 5 6 CC
S

Core Photo

Hole 318-U1359D Core 5R, Interval 180.9-188.07m (CSF-A)

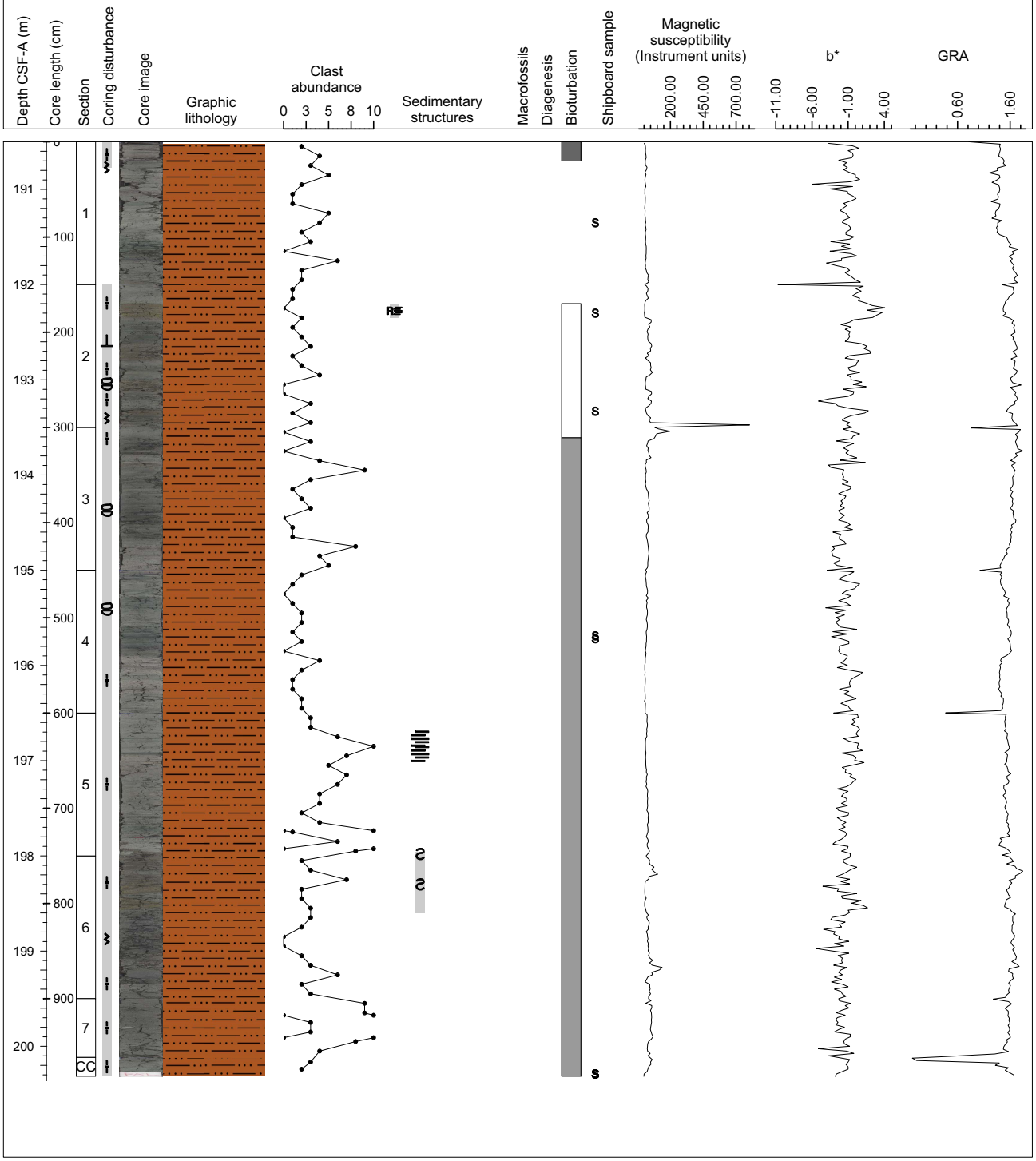
DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS. Dm- to m-scale interbeds of olive grey and greenish grey diatom-rich silty clay with dispersed clasts. The greenish-grey intervals have moderate to common bioturbation. Occasional olive brown dm-scale beds also occur and have pinstripe style laminae. Drilling disturbance is moderate, but is extreme in places.



Core Photo

Hole 318-U1359D Core 6R, Interval 190.5-200.315m (CSF-A)

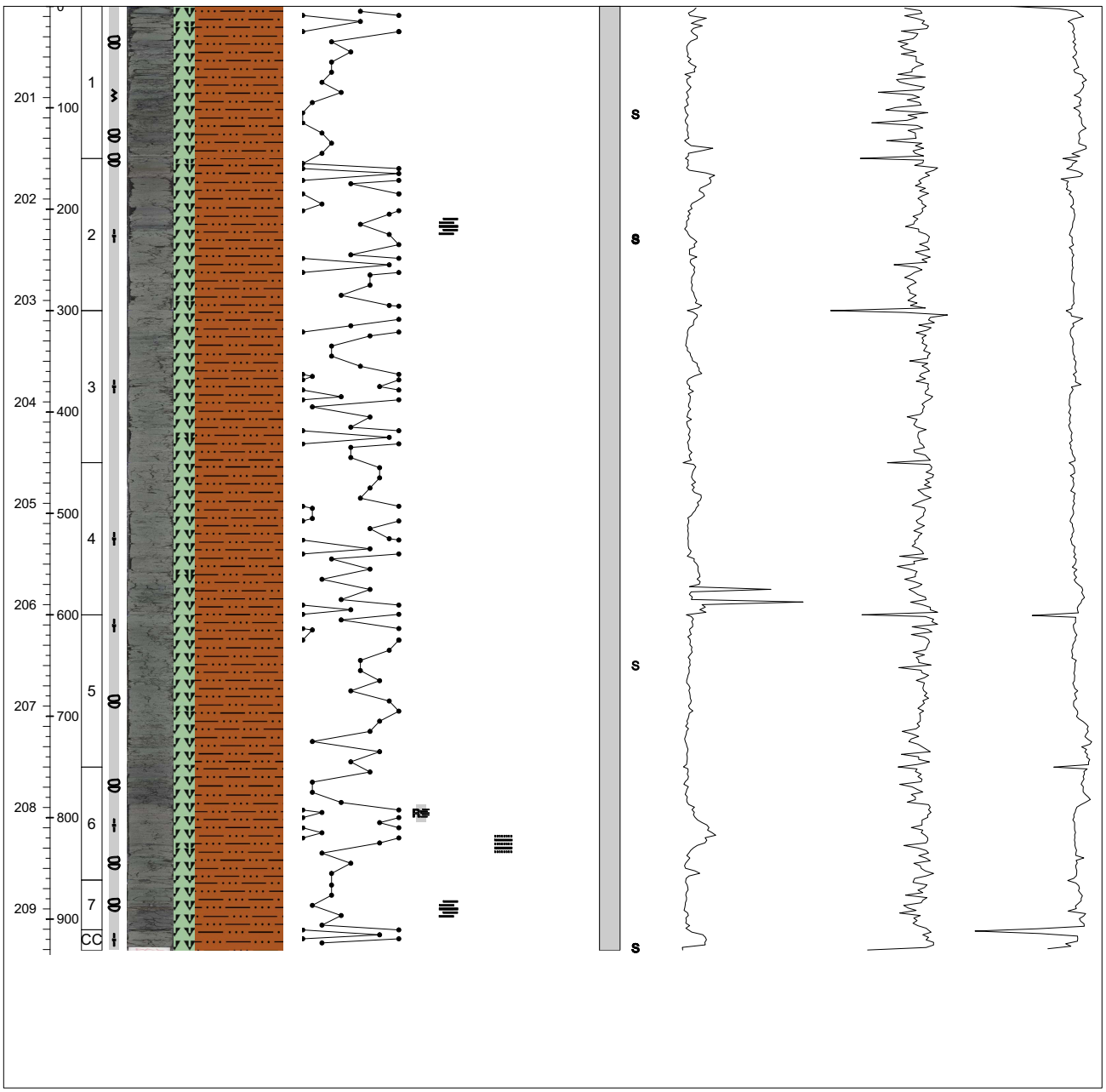
DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS. Dm- to m-scale interbeds of olive grey and greenish grey diatom-rich silty clay with dispersed clasts. The greenish-grey intervals have moderate to common bioturbation. Occasional olive brown dm-scale beds also occur and have pinstripe style laminae. Drilling disturbance is moderate, but is extreme in places.



Core Photo

Hole 318-U1359D Core 7R, Interval 200.1-209.405m (CSF-A)

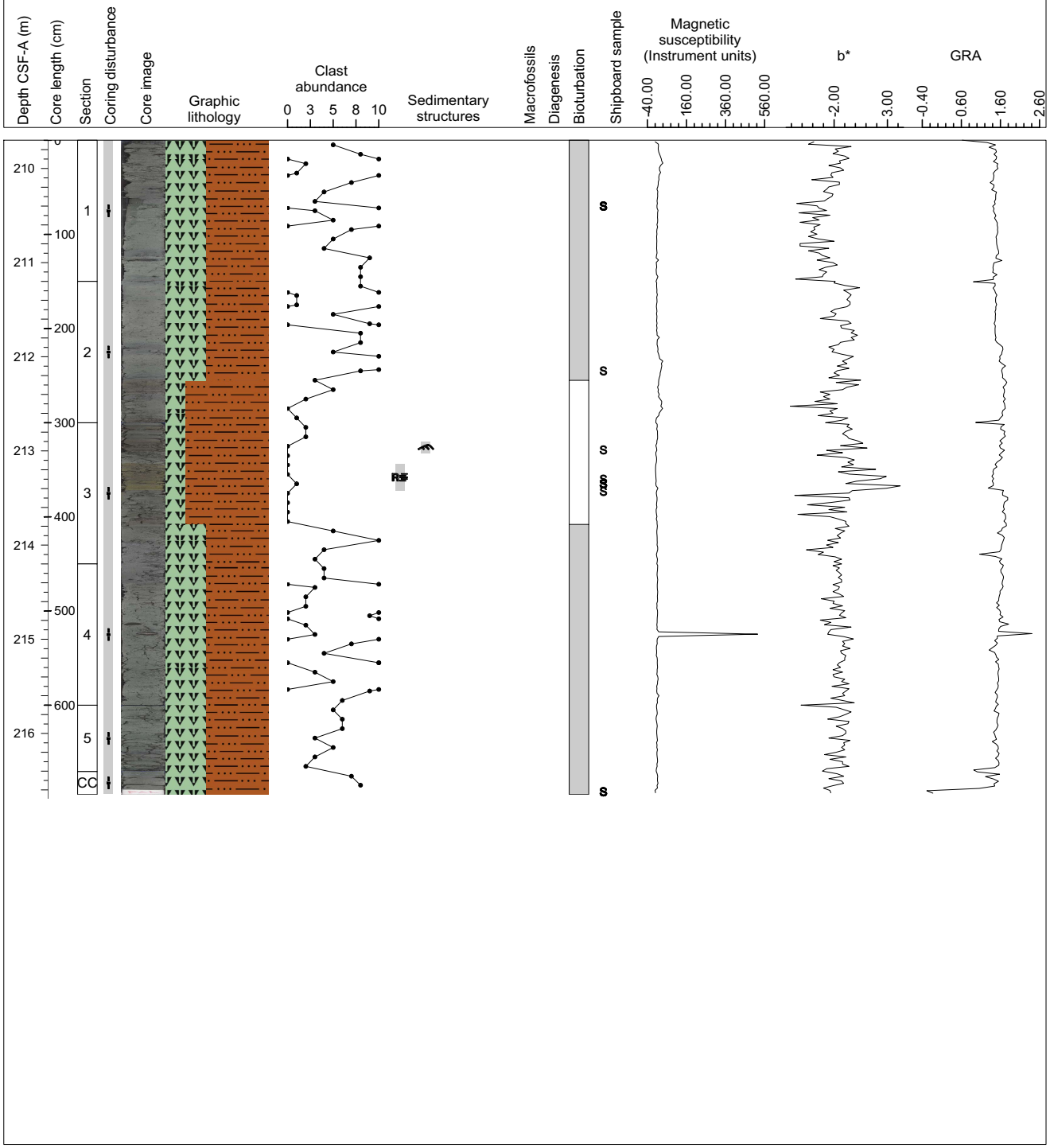
DIATOM-RICH SILTY CLAY WITH COMMON CLASTS. Dm-scale interbeds of greenish grey diatom-bearing to diatom-rich silty clay with common clasts. The lighter intervals tend to be more diatomaceous and exhibit moderate bioturbation (rank 2). Occasional olive brown cm-scale beds also occur and have pinstripe style laminae. Drilling disturbance is moderate overall and extreme in places.



Core Photo

Hole 318-U1359D Core 8R, Interval 209.7-216.645m (CSF-A)

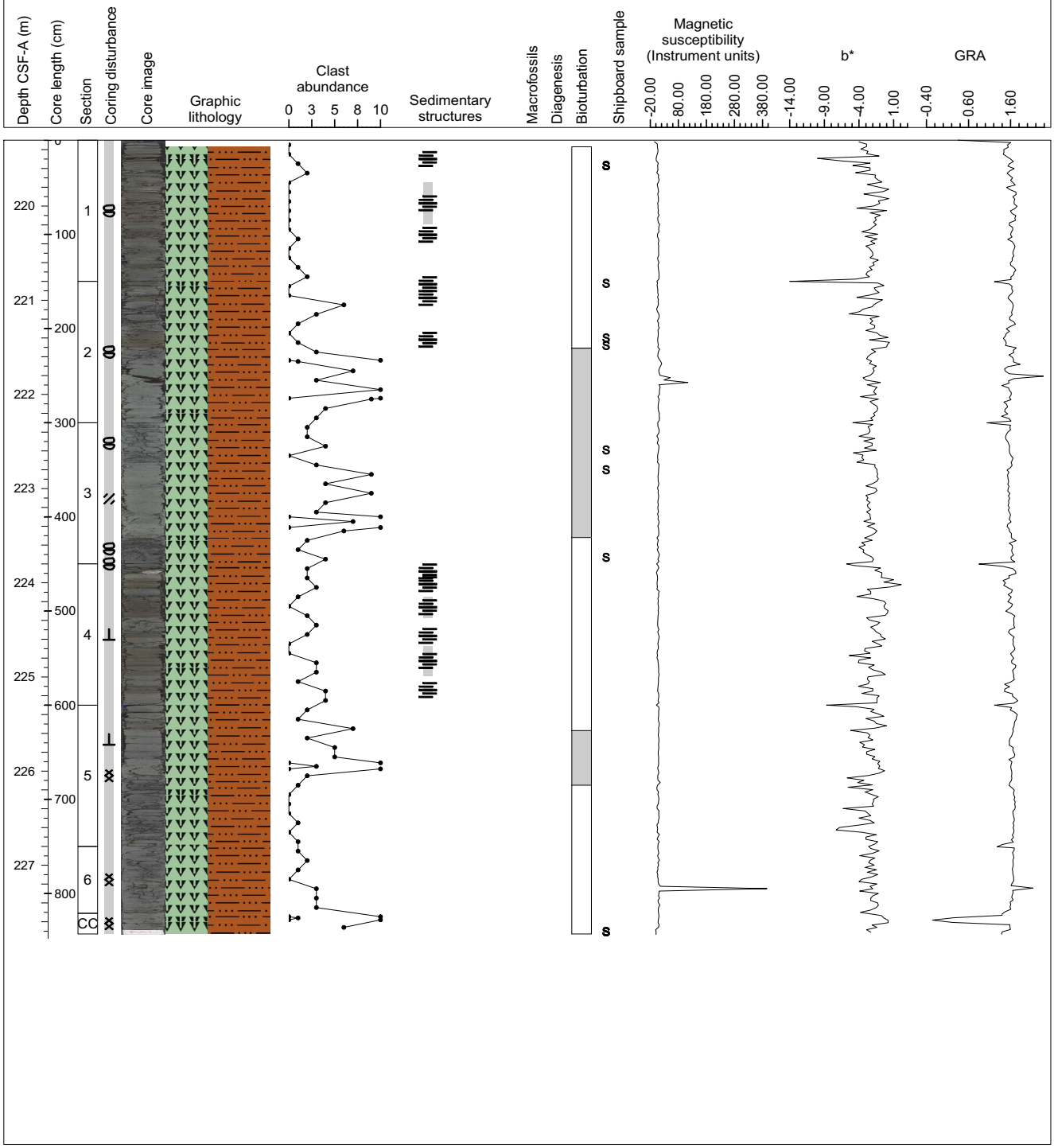
DIATOM-RICH SILTY CLAY WITH COMMON CLASTS. m-scale interbeds greenish grey diatom-rich silty clay with common clasts and olive grey diatom-bearing silty clay with dispersed clasts. In th e olive grey interval, occasional olive brown dm-scale beds also occur and have parallel pinstripe and mm-scale laminae. Drilling disturbance is moderate.



Core Photo

Hole 318-U1359D Core 9R, Interval 219.3-227.73m (CSF-A)

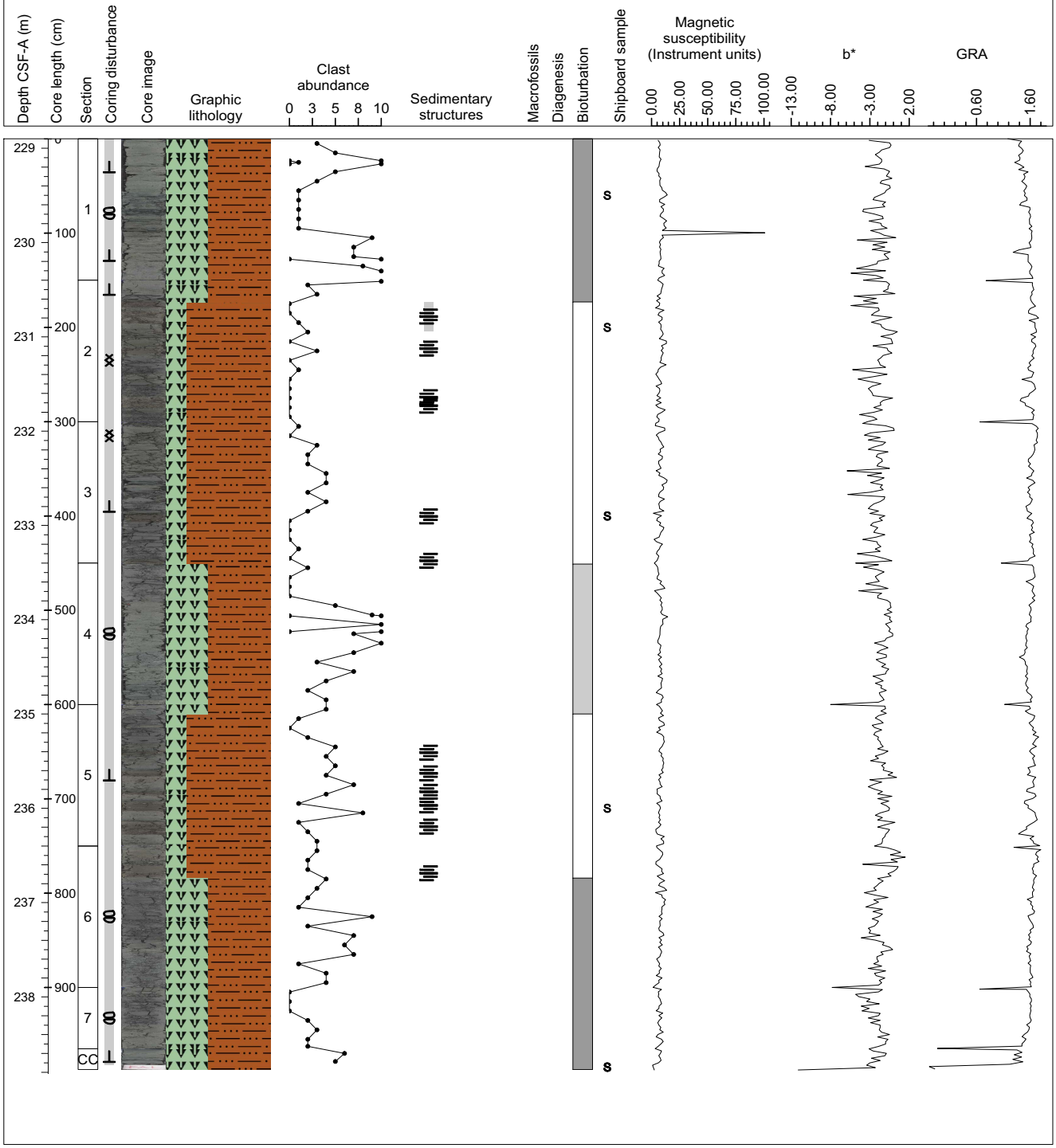
DIATOM-RICH SILTY CLAY WITH COMMON CLASTS. m-scale interbeds of greenish grey diatom-rich silty clay with common clasts and olive grey diatom-bearing silty clay with dispersed clasts. In the olive grey intervals, occasional olive brown dm-scale beds also occur and have parallel pinstripe and mm-scale laminae. Drilling disturbance is moderate to highly fractured.



Core Photo

Hole 318-U1359D Core 10R, Interval 228.9-238.77m (CSF-A)

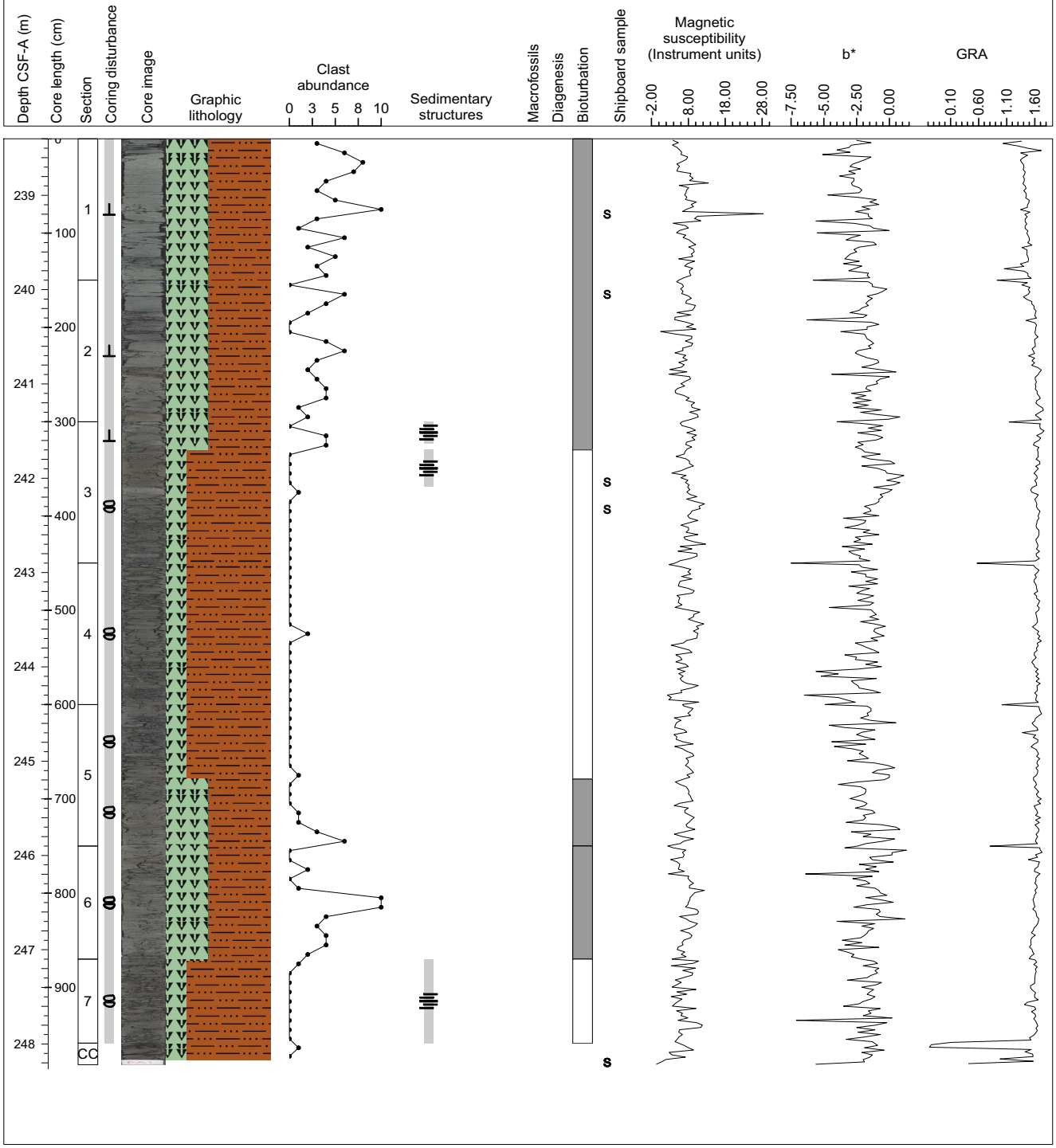
DIATOM-RICH SILTY CLAY WITH COMMON CLASTS. m-scale interbeds of greenish grey diatom-rich silty clay with common clasts and olive grey diatom-bearing silty clay with dispersed clasts. In the olive grey intervals, occasional olive brown dm-scale beds also occur and have parallel pinstripe and mm-scale laminae. Drilling disturbance is moderate to highly fractured.



Core Photo

Hole 318-U1359D Core 11R, Interval 238.4-248.22m (CSF-A)

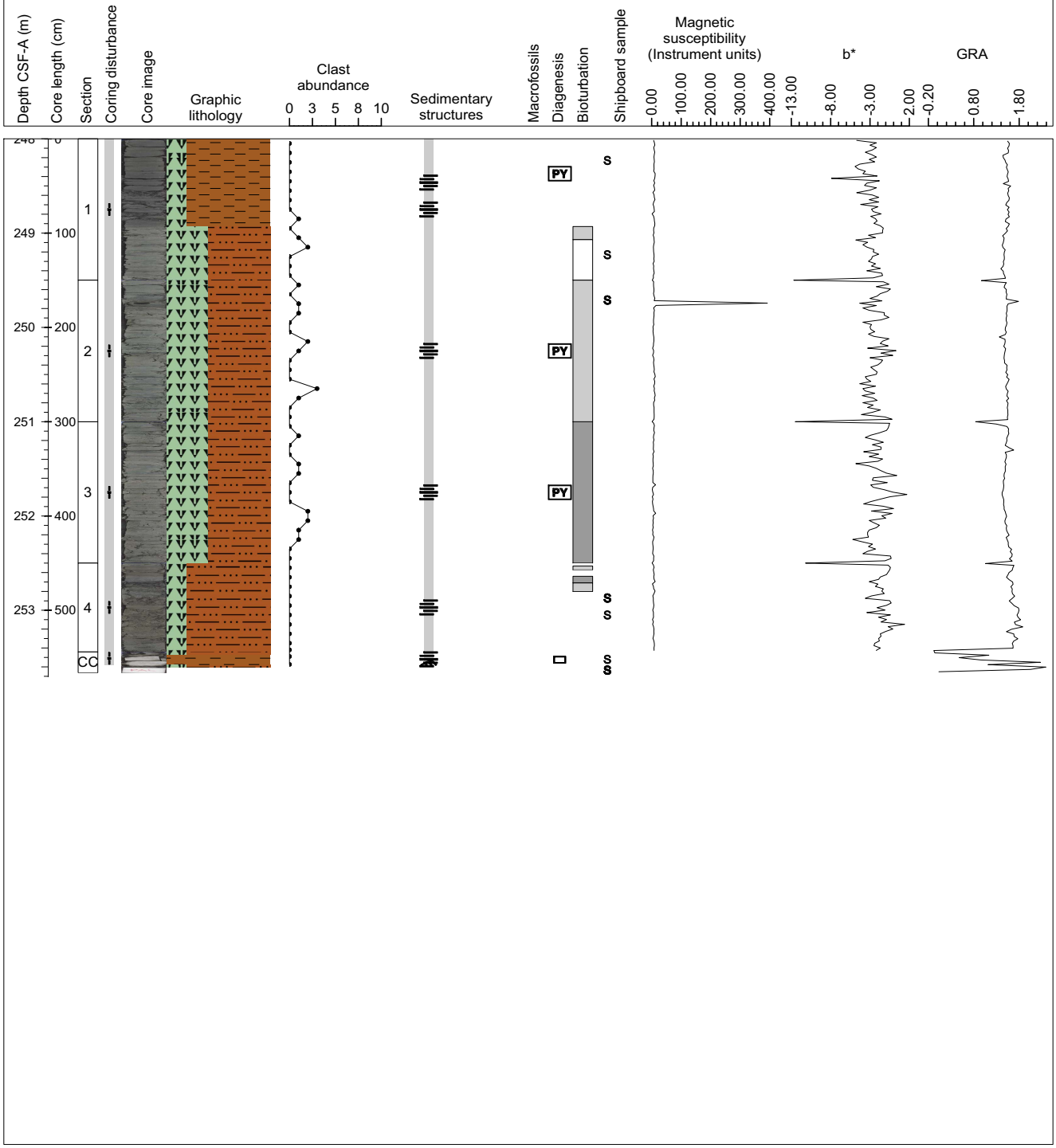
DIATOM-RICH SILTY CLAY WITH COMMON CLASTS AND DIATOM-BEARING SILTY CLAY WITH DISPERSED CLASTS. m-scale interbeds of greenish grey diatom-rich silty clay with common clasts and olive grey to dark olive grey diatom-bearing silty clay with dispersed clasts.There are less brown interbeds in the olive grey intervals than in overlying cores.



Core Photo

Hole 318-U1359D Core 12R, Interval 248.0-253.66m (CSF-A)

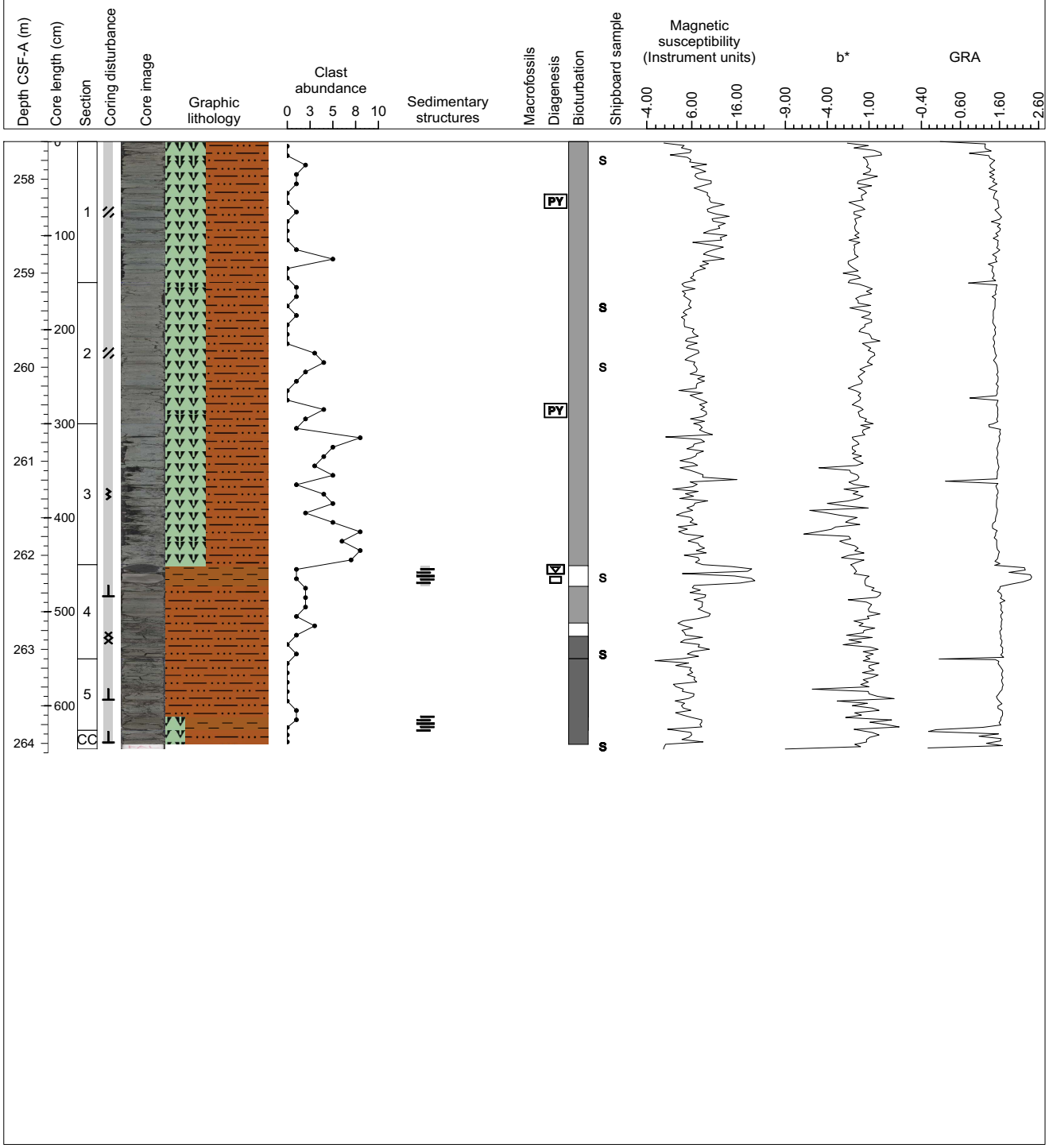
DIATOM-BEARING CLAY and DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS. Olive grey to light green in colour. Bioturbation index 2 throughout. Pyrite-cemented burrows and dark green quasi-laminations throughout. Carbonate-cemented claystone with silty lamination present in the core catcher.



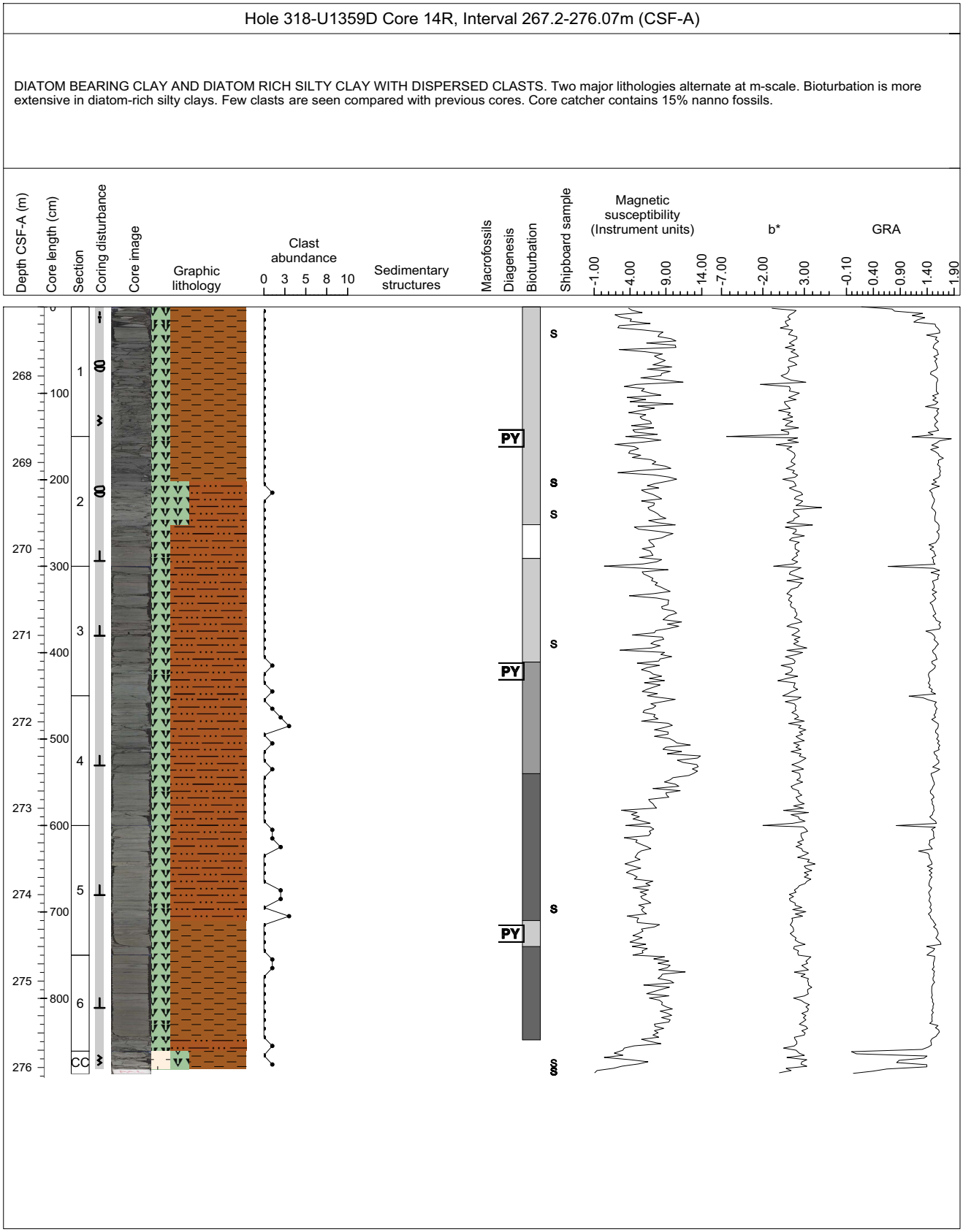
Core Photo

Hole 318-U1359D Core 13R, Interval 257.6-264.06m (CSF-A)

DIATOM-RICH SILTY CLAY(STONE) WITH DISPERSED CLASTS AND CLAYSTONE. The diatom-rich beds are moderately bioturbated and contain common gravel, up to 1 cm in size, their color is light greenish grey. The claystone is laminated and olive to dark olive grey in color. Pyrite, silica and carbonate cement is present at several locations.



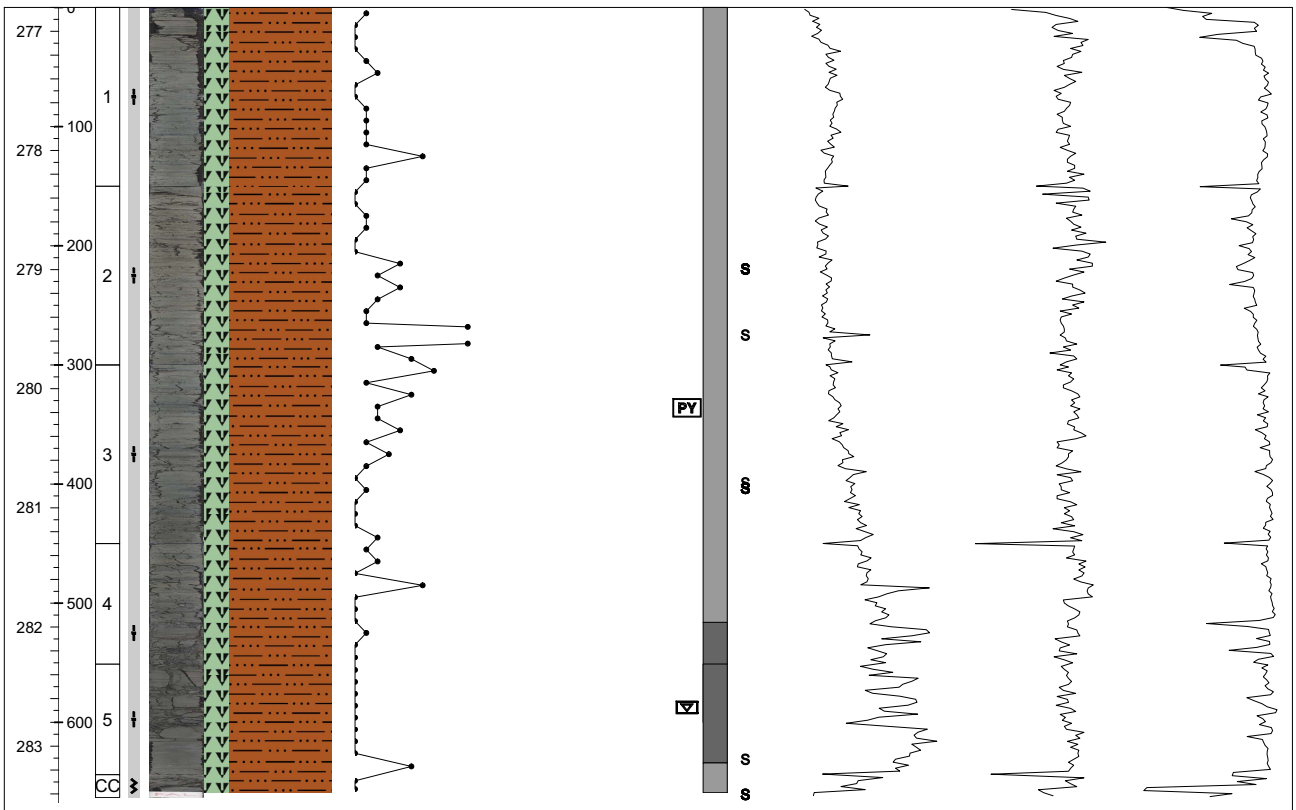
Core Photo


Hole 318-U1359D Core 14R, Interval 267.2-276.07m (CSF-A)
DIATOM BEARING CLAY AND DIATOM RICH SILTY CLAY WITH DISPERSED CLASTS. Two major lithologies alternate at m-scale. Bioturbation is more extensive in diatom-rich silty clays. Few clasts are seen compared with previous cores. Core catcher contains 15% nanno fossils.
Depth CSF-A (m)
Core length (cm)
Section
Coring disturbance
Core image
Graphic lithology
Clast abundance
0 3 5 8 10
Sedimentary structures
Macrofossils
Diagenesis
Bioturbation
Shipboard sample
Magnetic susceptibility (Instrument units)
-1.00 4.00 9.00 14.00
b*
-7.00 -2.00 3.00
GRA
-0.10 0.40 0.90 1.40 1.90
268 269 270 271 272 273 274 275 276
100 200 300 400 500 600 700 800
1 2 3 4 5 6 CC
PY
S

Core Photo

Hole 318-U1359D Core 15R, Interval 276.8-283.43m (CSF-A)

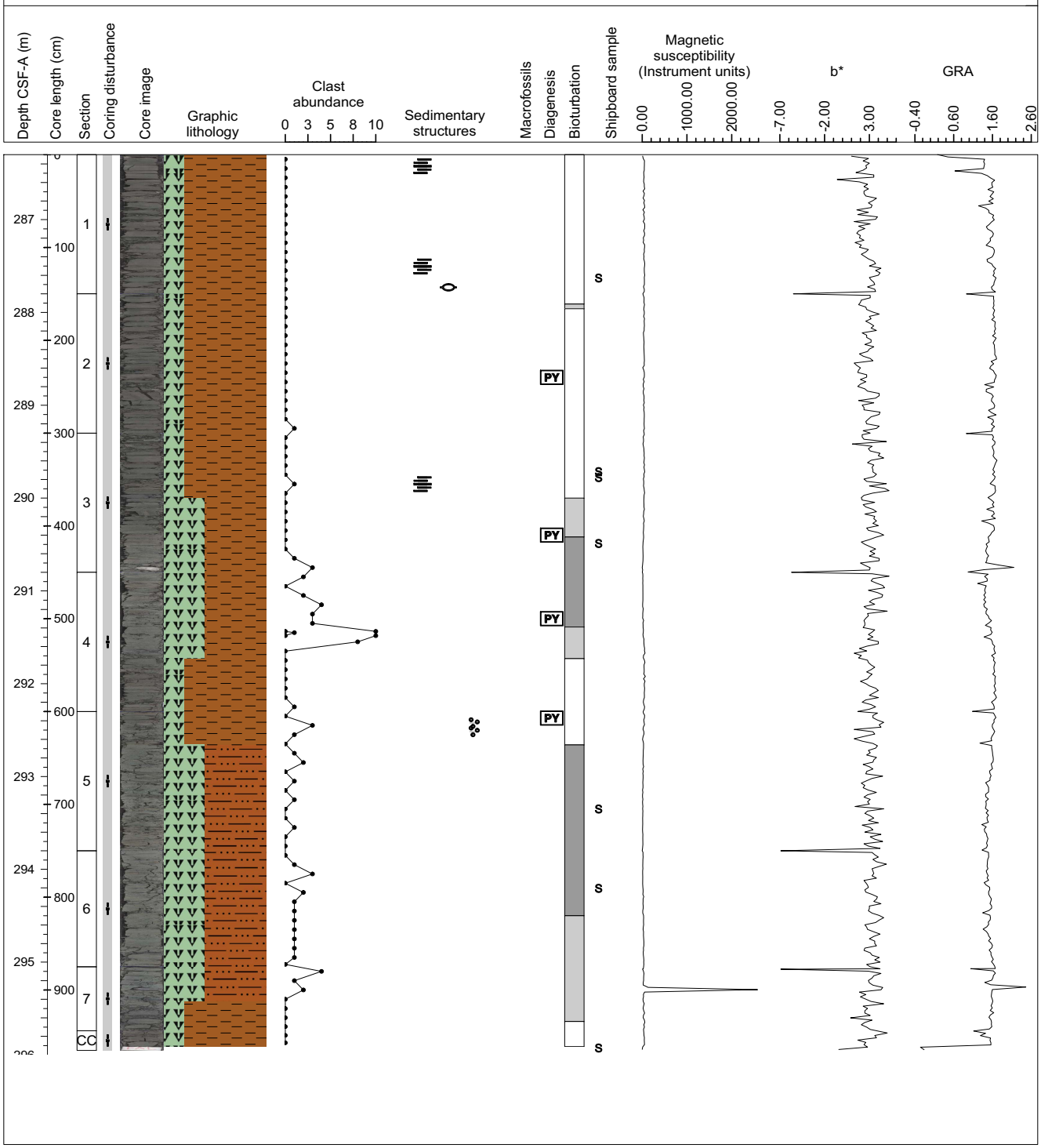
DIATOM-BEARING SILTY CLAY WITH DISPERSED CLASTS. Color changes from light greenish grey to olive grey. Bioturbation is a moderate to strong. Clasts of sand grains and gravel are common.



Core Photo

Hole 318-U1359D Core 16R, Interval 286.3-295.95m (CSF-A)

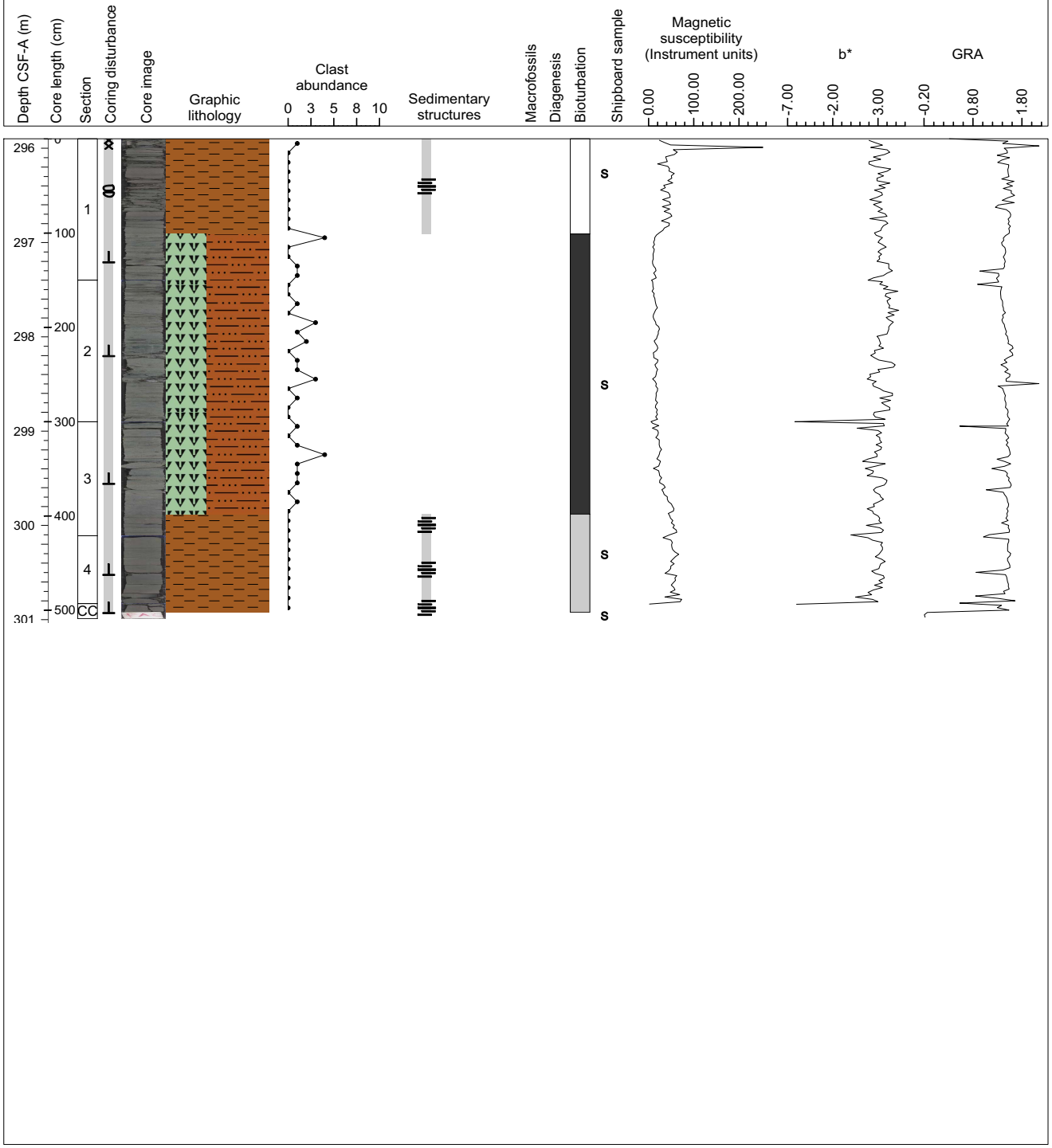
DIATOM-BEARING CLAY AND DIATOM-RICH CLAY WITH DISPERSED CLASTS. Diatom-rich intervlas are light green-grey in color and diatom-bearing intervals are a dark olive grey color. Clasts are rare in diatom-bearing clay intervals, and dispersed sand and granule-size clasts occur throughout. Diatom-rich silty clay and diatom-rich clay are also more intensely bioturbated with common pyrite burrows.



Core Photo

Hole 318-U1359D Core 17R, Interval 295.9-300.99m (CSF-A)

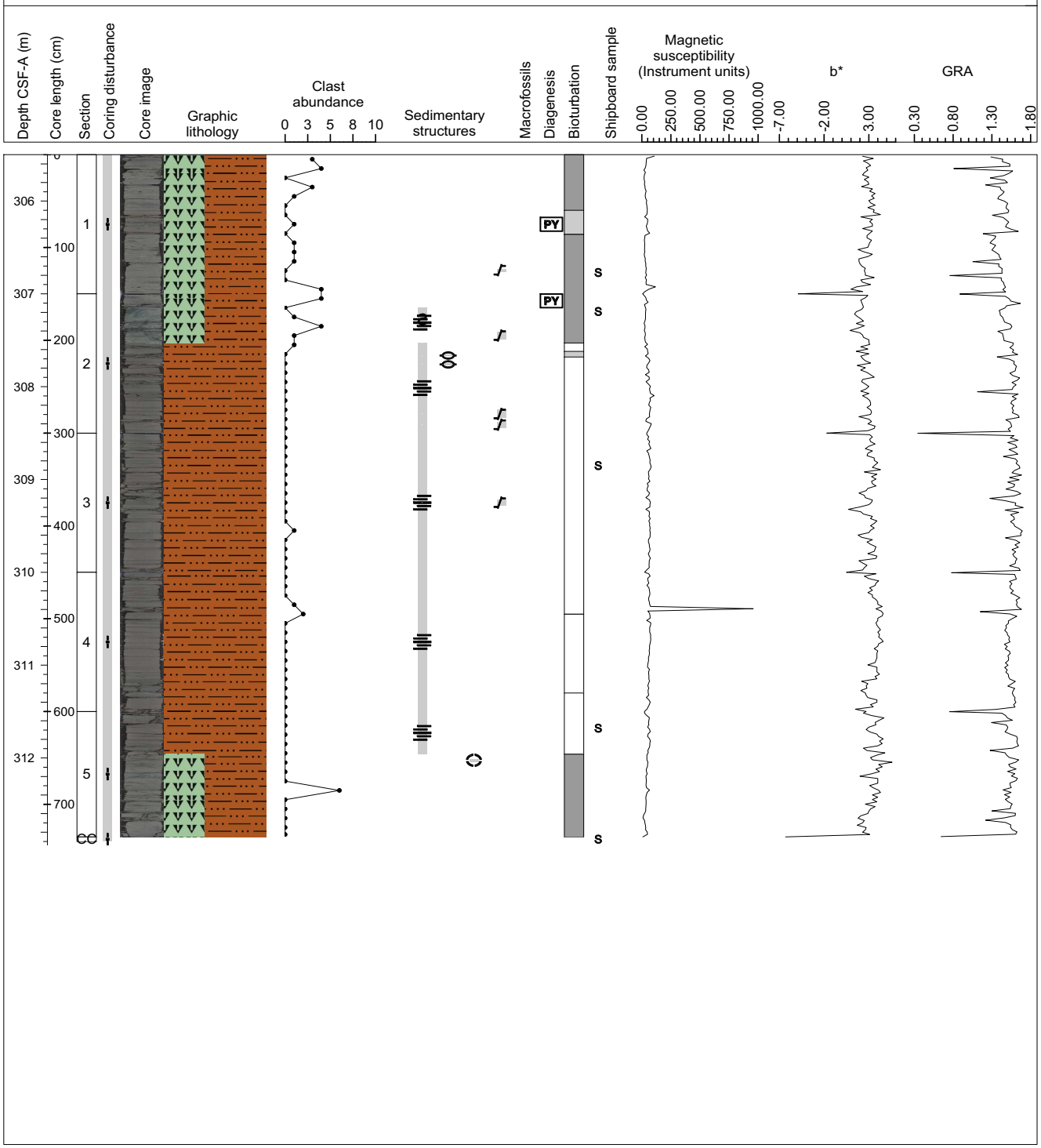
CLAY and DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS. Clay has very faint mm scale laminations and some small bioturbation (chondrites burrows?). Diatom rich silty clay is heavily bioturbated.



Core Photo

Hole 318-U1359D Core 18R, Interval 305.5-312.9m (CSF-A)

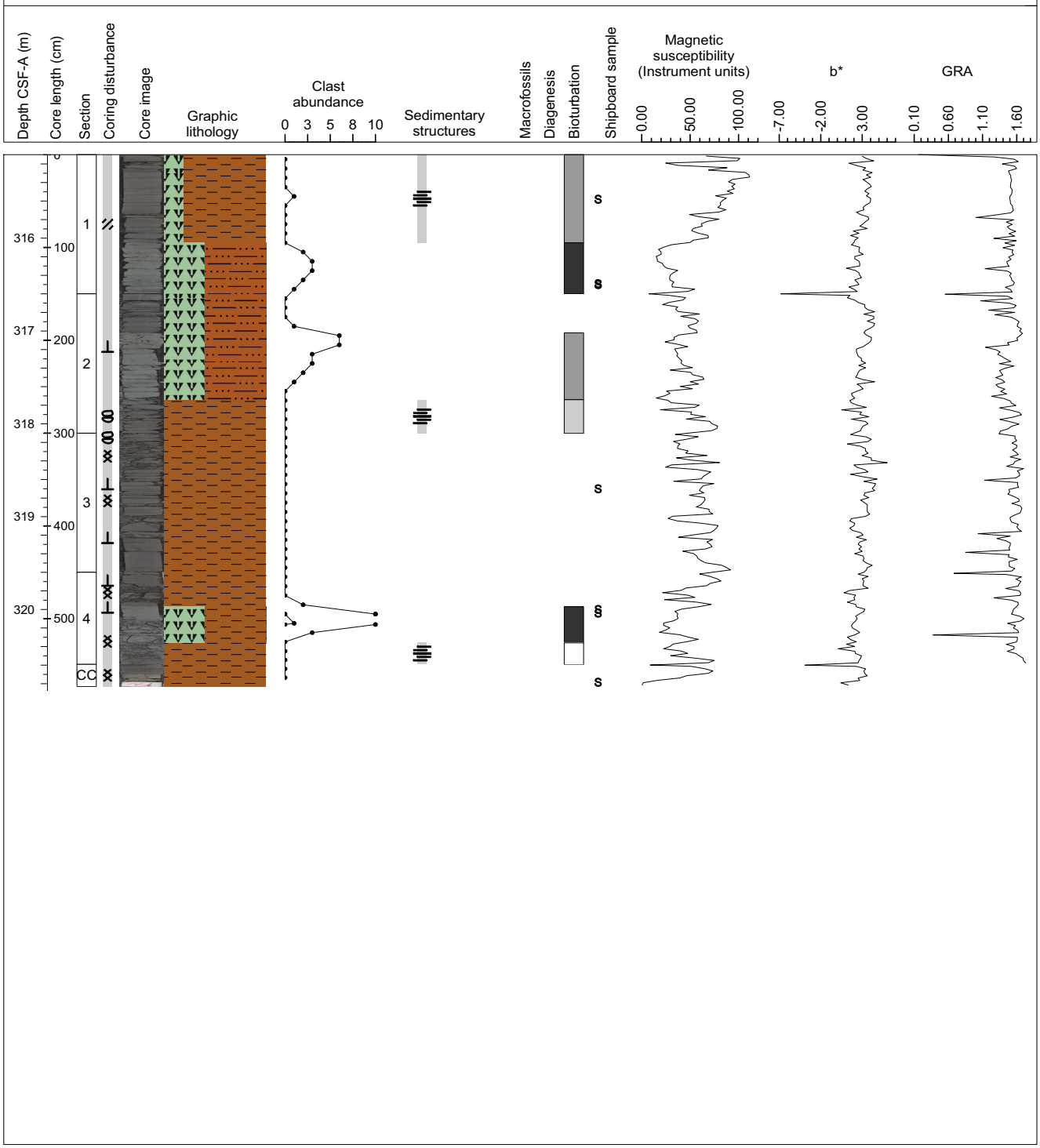
DIATOM-RICH SILTY CLAY WITH DISPERSED CLASTS AND SILTY CLAY WITH DISPERSED CLASTS. Lightgreen grey to olive brown in color. Diatom-rich silty clay is heavily bioturbated and filled in the pyritized burrows. Silty clay is very finely laminated throughout and minerally bioturbated. Some pyritized laminae within silty clay contain abundand diatoms. There is a possible shrmp in section 2, 15-53cm with a sharp basal contact.



Core Photo

Hole 318-U1359D Core 19R, Interval 315.1-320.83m (CSF-A)

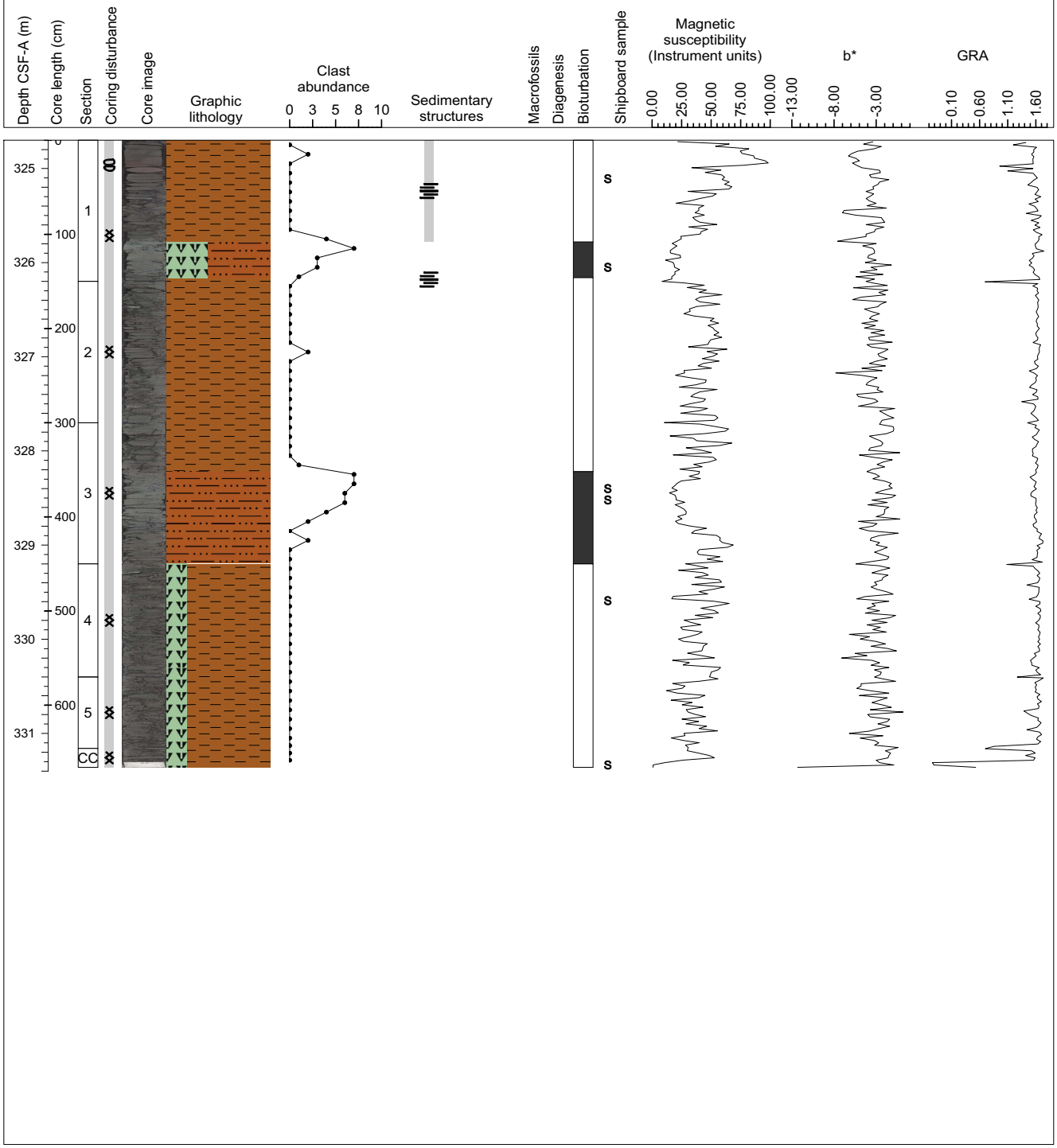
CLAY AND DIATOM RICH SILTY CLAY WITH COMMON TO DISPERSED CLASTS. greyish olive green clays are interbedded with greenish grey diatom-rich silty clays with common clast. The clay intervals are faintly laminated by color (pinstripe style). The diatom rich silty clays have sharp upper contacts and clast abundance is higher at the top of these units.



Core Photo

Hole 318-U1359D Core 20R, Interval 324.7-331.36m (CSF-A)

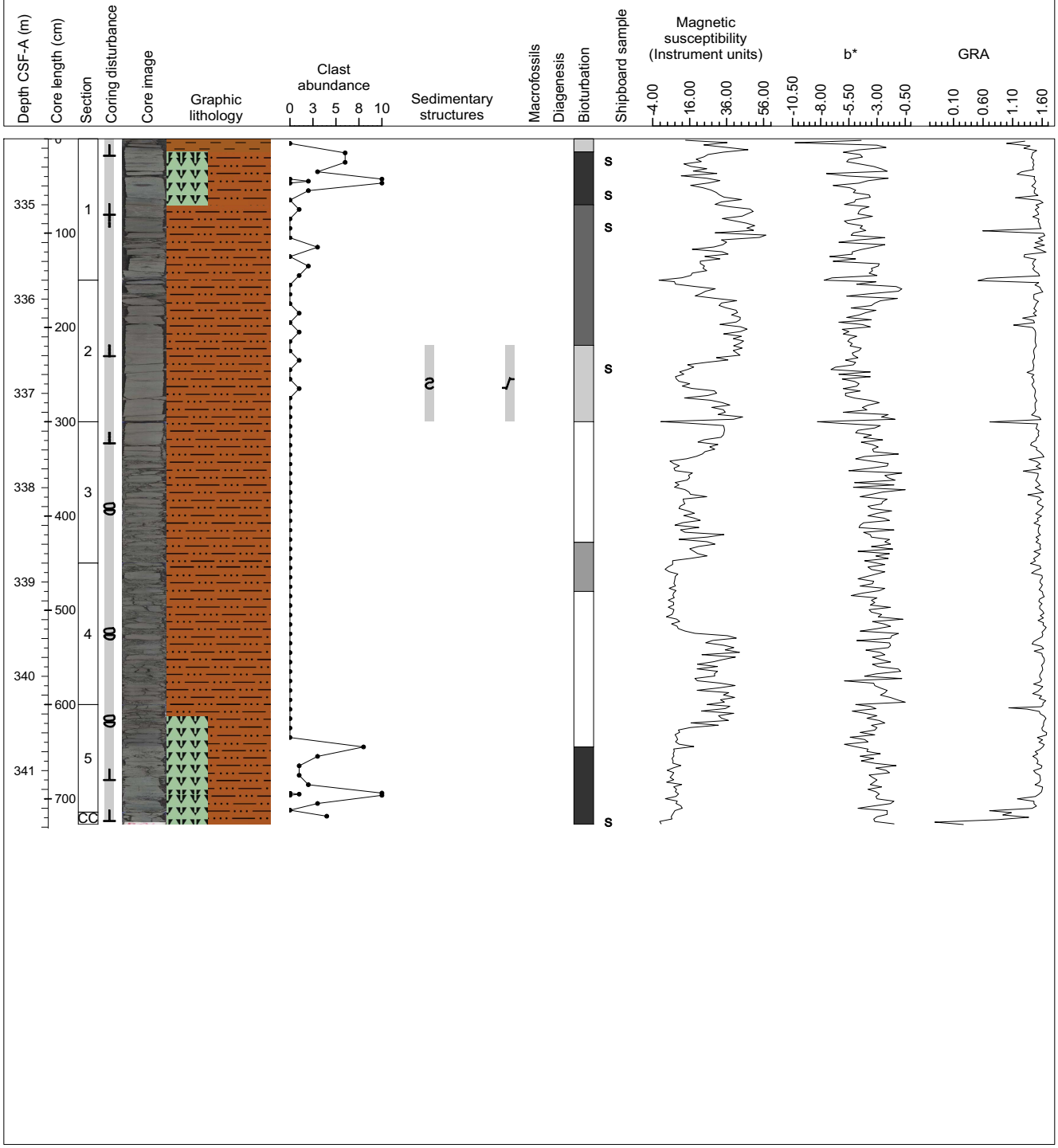
CLAY AND DIATOM RICH SILTY CLAY WITH COMMON TO DISPERSED CLASTS. Greyish olive green clays are interbedded with greenish grey diatom-rich silty clays with common clast. The clay intervals are faintly laminated by color (pinstripe style). The diatom rich silty clays have sharp upper contacts and clast abundance is higher at the top of these units.



Core Photo

Hole 318-U1359D Core 21R, Interval 334.3-341.57m (CSF-A)

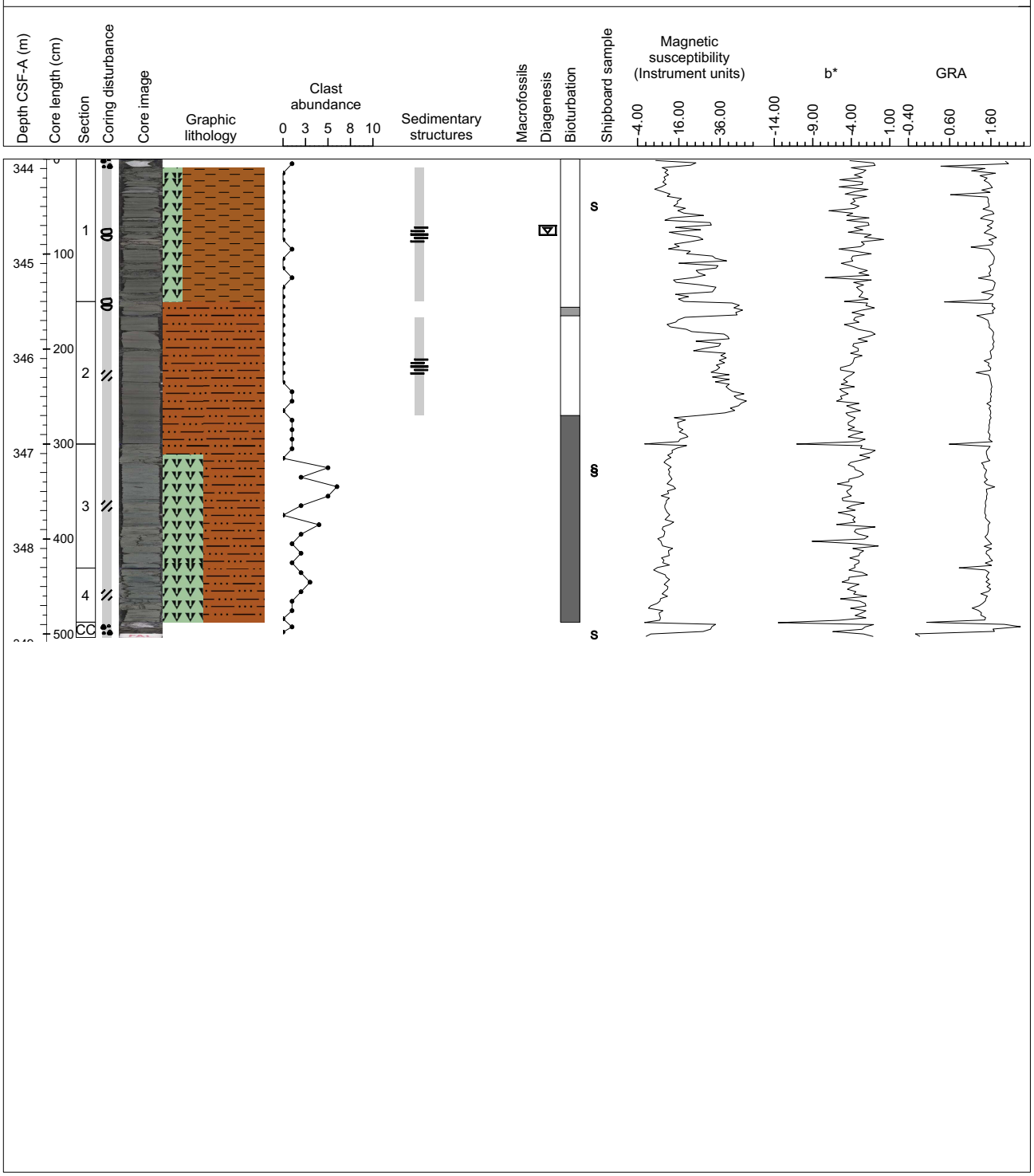
CLAY AND DIATOM RICH SILTY CLAY WITH COMMON TO DISPERSED CLASTS. Greyish olive green clays are interbedded with greenish grey diatom-rich silty clays with common clast. The diatom rich silty clays have sharp upper contacts.



Core Photo

Hole 318-U1359D Core 22R, Interval 343.9-348.935m (CSF-A)

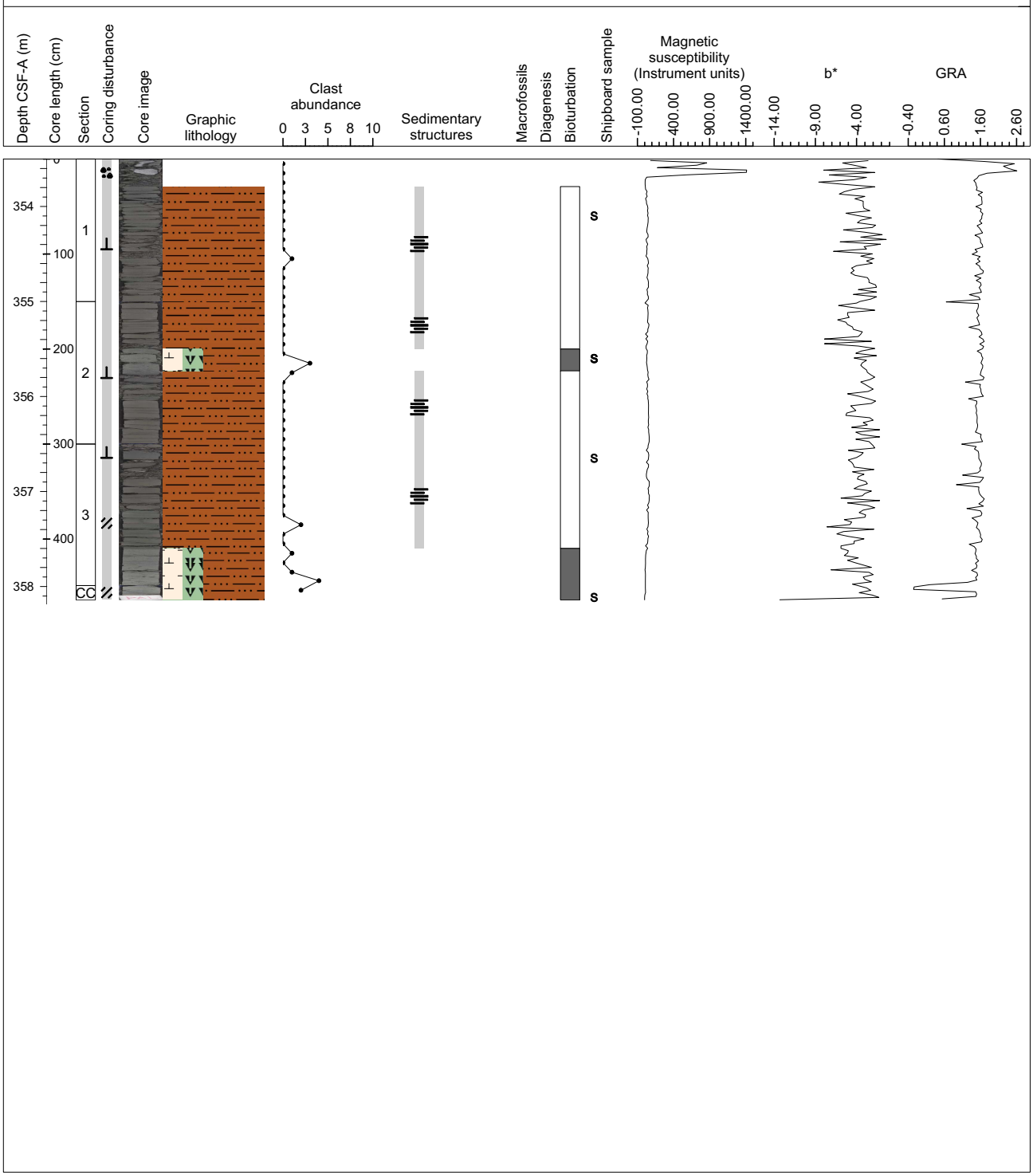
SILTY CLAY and DIATOM RICH SILTY CLAY WITH DISPERSED CLASTS. Dark greenish grey silty clays with fine laminations in upper part of the core. Lower part is lighter greenish grey diatom-rich silty clay. Most of the darker silty clay exhibits regular and repetitive mm-scale and sub-mm-scale parallel laminations. The lighter greenish grey diatom rich silty clay is heavily bioturbated, mostly with horizontal burrows.



Core Photo

Hole 318-U1359D Core 23R, Interval 353.5-358.14m (CSF-A)

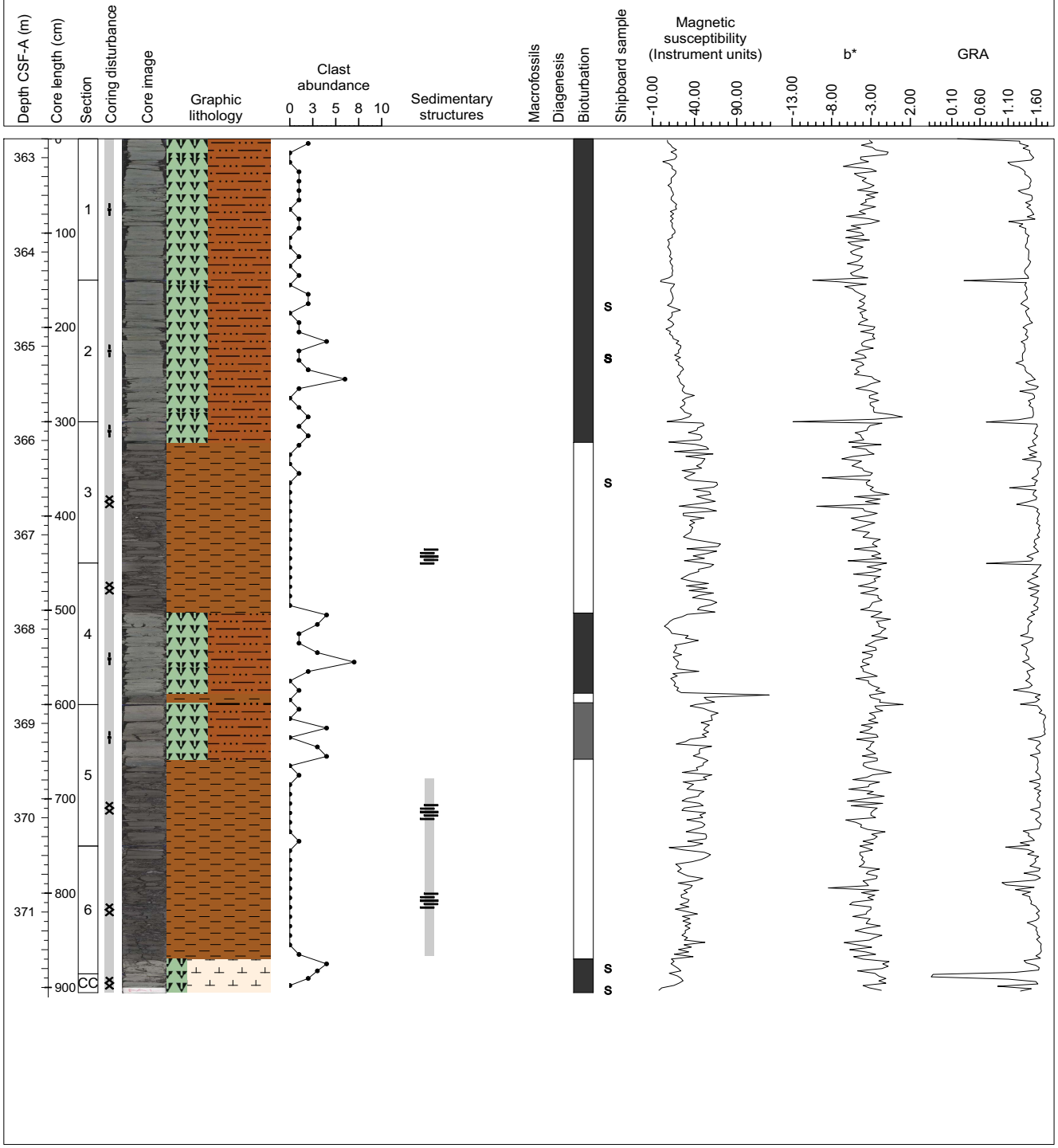
CLAY AND DIATOM RICH SILTY CLAY WITH DISPERSED CLASTS. Dark greenish grey clays with fine laminations alternating with lighter greenish grey diatom-rich silty clays with dispersed clasts. Most of the darker clay exhibits faint cm-scale to sub-mm-scale parallel laminations. Clasts in the darker units are now rare. The lighter greenish grey diatom-rich silty clay is heavily bioturbated, mostly with horizontal burrows.



Core Photo

Hole 318-U1359D Core 24R, Interval 362.8-371.855m (CSF-A)

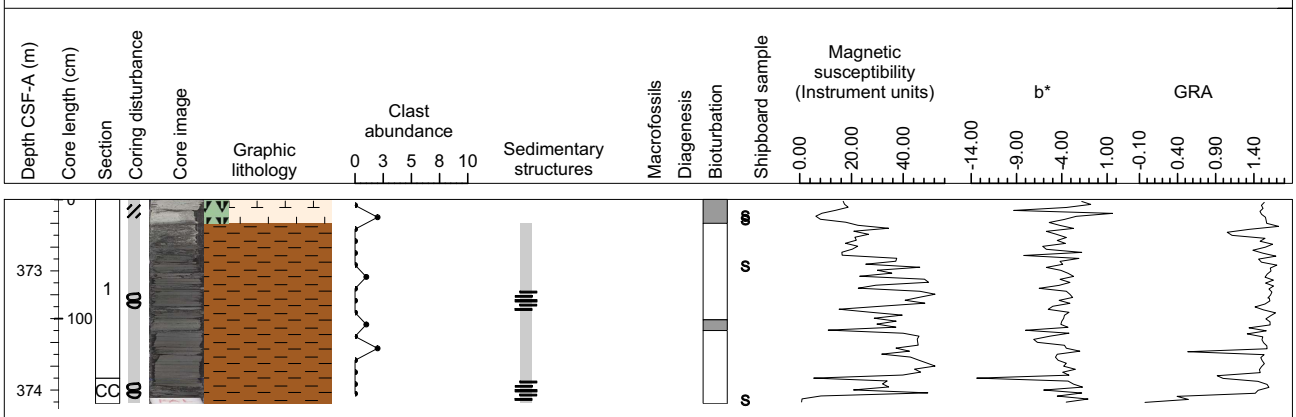
CLAY, DIATOM BEARING SILTY CLAY, AND diatom-bearing nannofossil ooze, ALL WITH DISPERSED CLASTS. Dark greenish grey silty clays with occasional parallel laminations alternating with lighter greenish grey diatom-bearing silty clays with dispersed clasts. The lighter greenish grey diatom-bearing and silty clay is heavily bioturbated, mostly with horizontal burrows. The base of the core contains a diatom-bearing nannofossil ooze.



Core Photo

Hole 318-U1359D Core 25R, Interval 372.4-374.11m (CSF-A)

CLAY AND DIATOM-BEARING NANNOFOSSIL OOZE. The top of the core contains a diatom-bearing nannofossil ooze. This overlies a dark greenish grey clay with occasional faint parallel laminations.

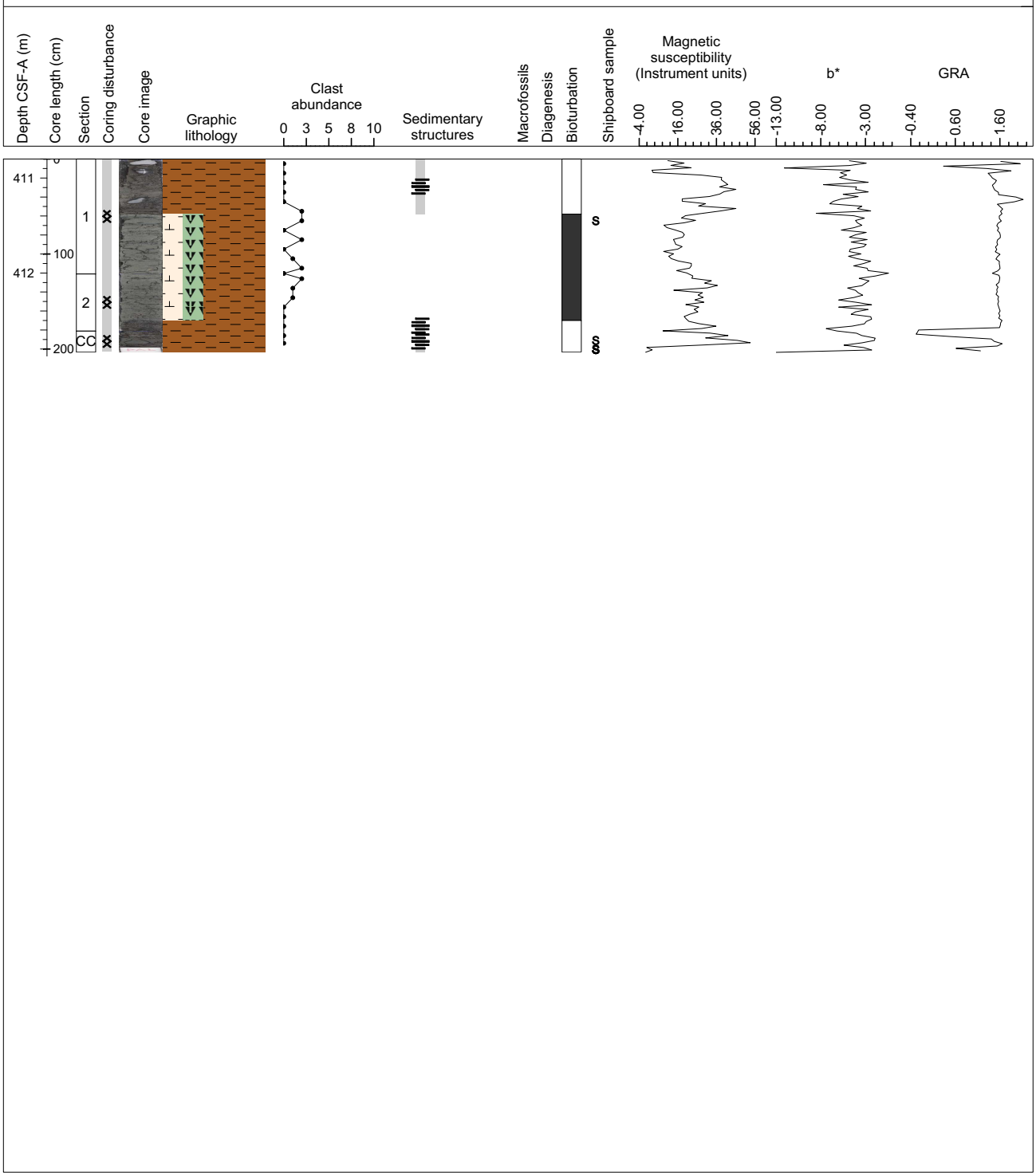


U1359D-26R NO RECOVERY
U1359D-27R ALL TO PALEO
U1359D-28R NO RECOVERY

Core Photo

Hole 318-U1359D Core 29R, Interval 410.8-412.83m (CSF-A)

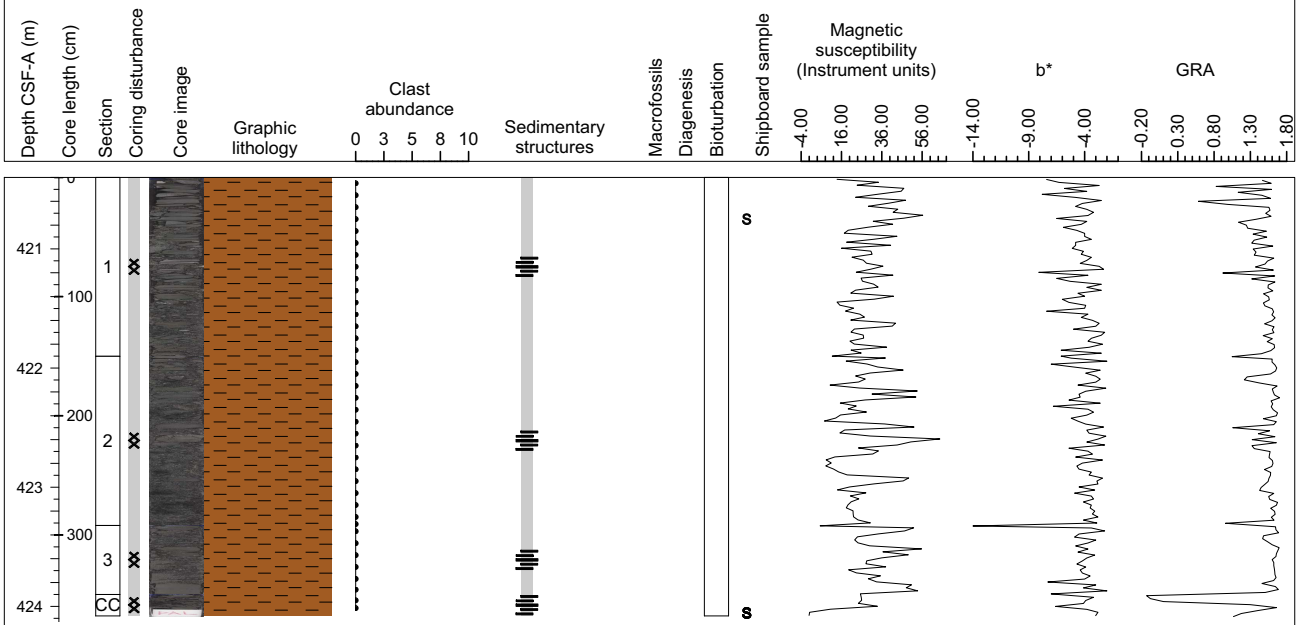
CLAY AND DIATOM-BEARING NANNOFOSSIL-BEARING CLAY. This core contains a dark greenish grey clay with occasional faint parallel laminations, that is interbedded with a bed of diatom-bearing nannofossil-bearing clay.



Core Photo

Hole 318-U1359D Core 30R, Interval 420.4-424.08m (CSF-A)

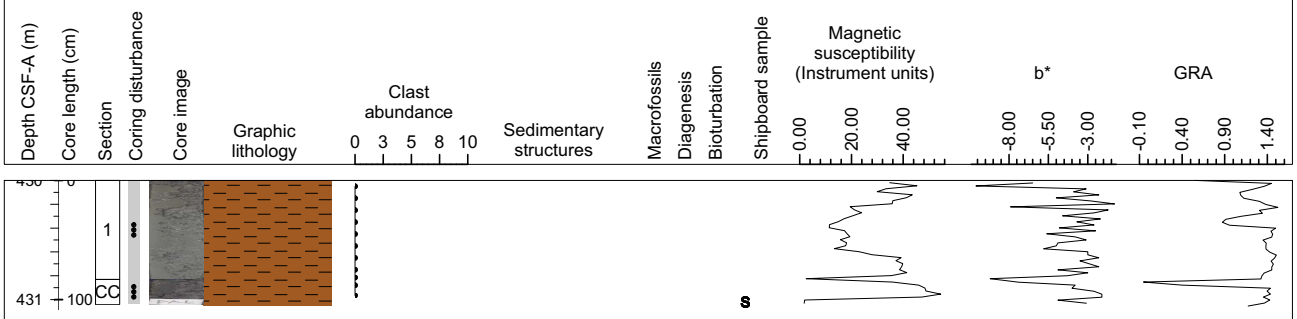
CLAY. Dark greenish grey clay and contains faint and fine (mm- to sub-mm-scale) laminations (mm- to sub-mm-scale) as defined by color, as well as some minor small burrows (grade 1 bioturbation).



Core Photo

Hole 318-U1359D Core 31R, Interval 430.0-431.04m (CSF-A)

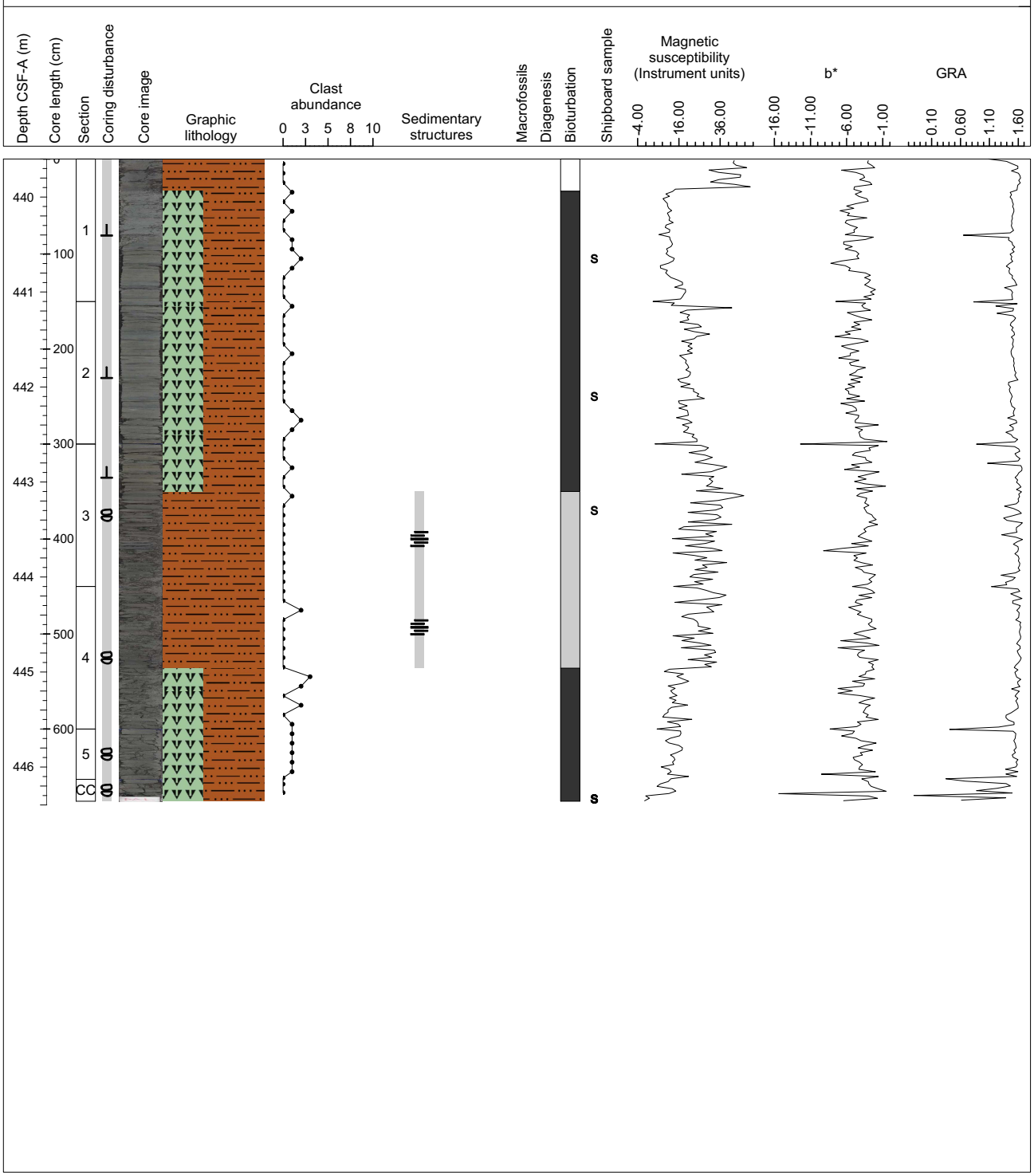
CLAY. Soupy - severe drilling disturbance throughout, no original sedimentary structures preserved. STRATIGRAPHIC INTEGRITY IS LACKING.



Core Photo

Hole 318-U1359D Core 32R, Interval 439.6-446.36m (CSF-A)

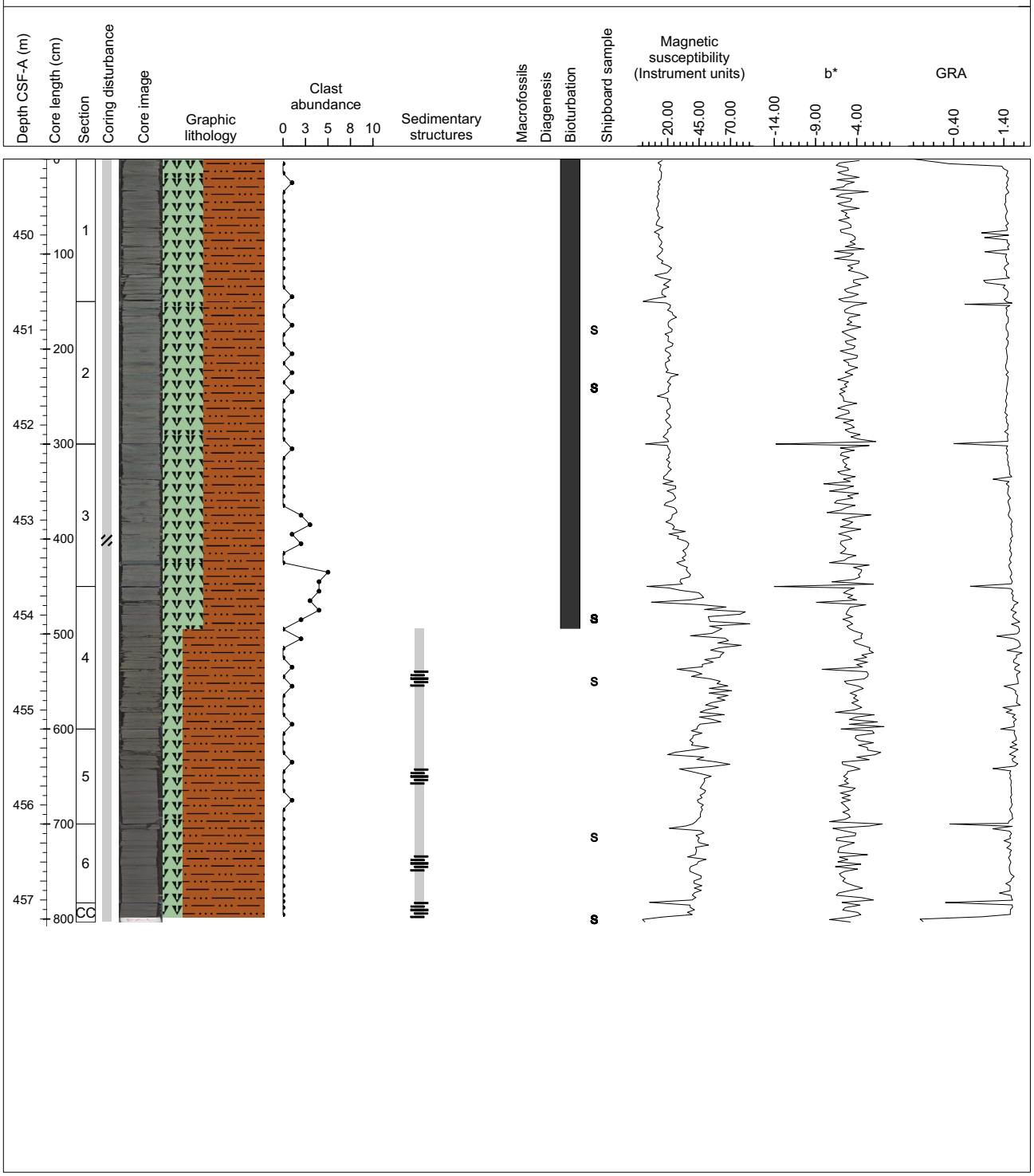
SILTY CLAY AND DIATOM-RICH SILTY CLAY. Dark greenish grey silty clays with faint parallel laminations overlain by lighter greenish grey diatom-rich silty clays with dispersed clasts. The darker silty clay exhibits faint cm-scale to sub-mm-scale parallel laminations. The lighter greenish grey diatom-rich silty clay is heavily bioturbated, mostly with horizontal burrows.



Core Photo

Hole 318-U1359D Core 33R, Interval 449.2-457.23m (CSF-A)

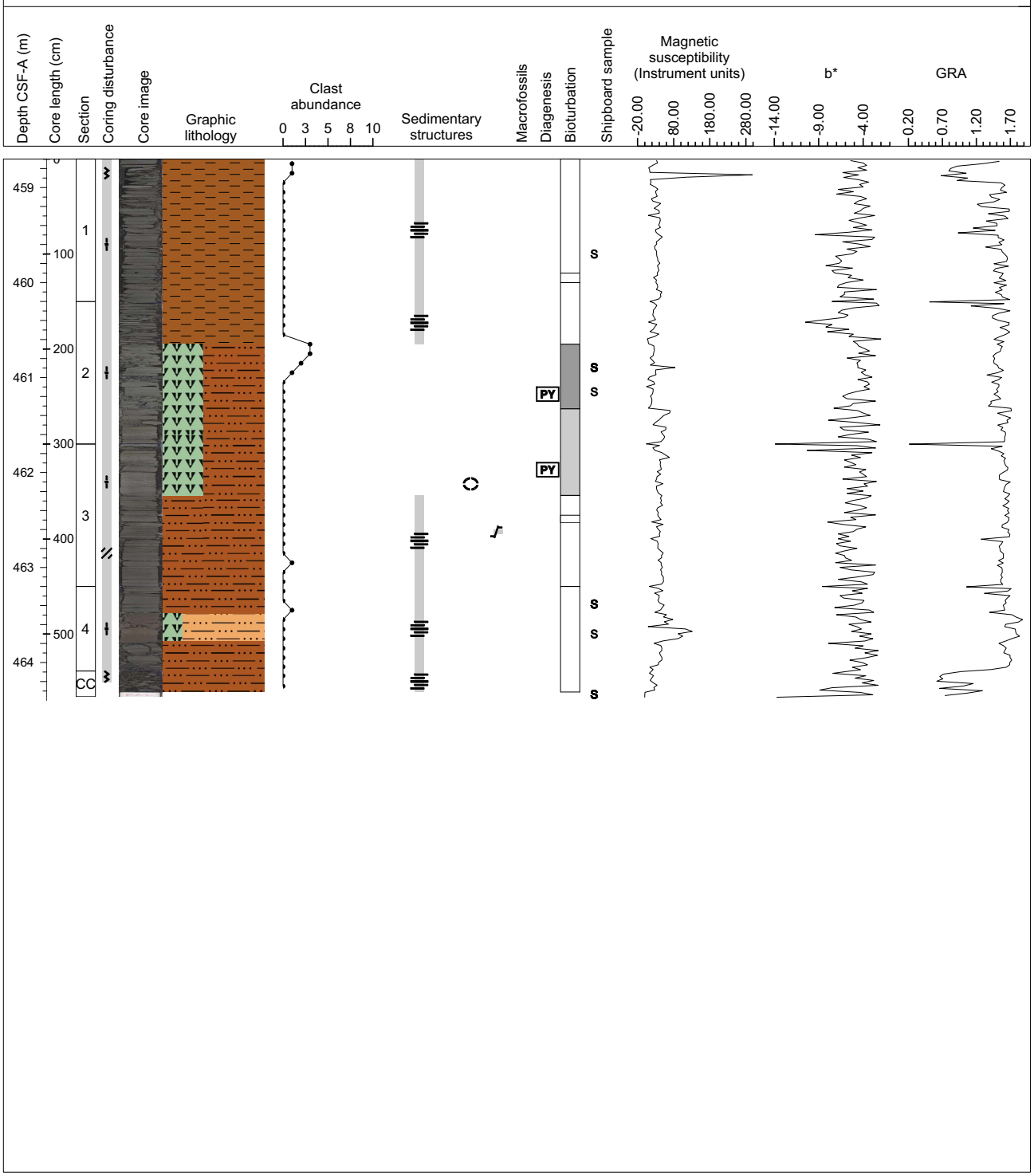
DIATOM RICH SILTY CLAY and SILTY CLAY. Alternating between laminated silty clays and heavily bioturbated diatom-rich silty clays at the m-scale.



Core Photo

Hole 318-U1359D Core 34R, Interval 458.7-464.36m (CSF-A)

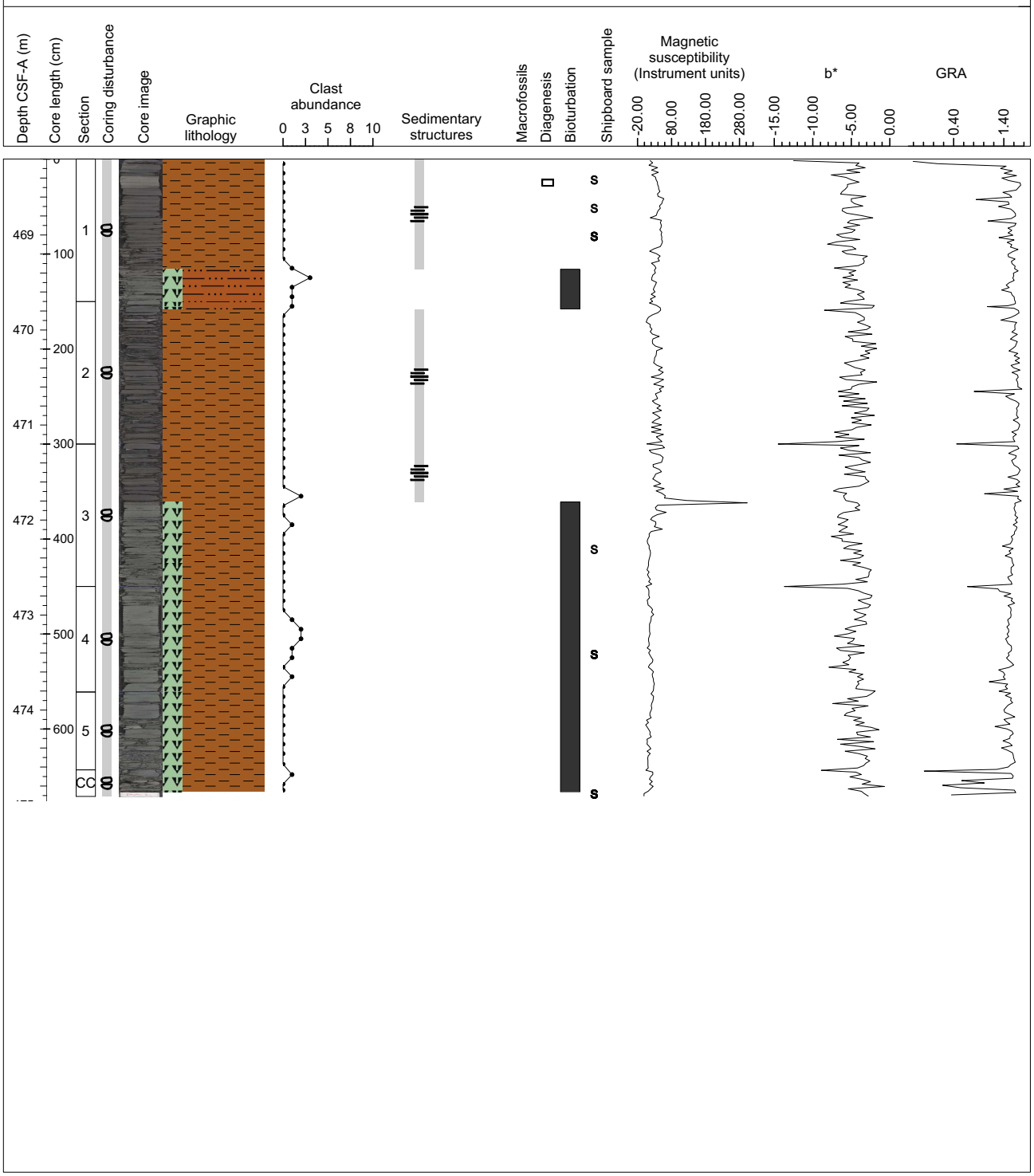
SILTY CLAY AND DIATOM-RICH SILTY CLAY WITH DISPERSED CLATS. Dark olive grey to light green color. Silty clays are finely laminated with little a no bioturb. Diatom-rich silty clays are moderately-to-intensely bioturbated and contain dispersed san and granule size clasts. Section 4 contains a ~30cm interval of finely laminated DIATOM-BEARING CLAYEY SILT, olive-brown in color.



Core Photo

Hole 318-U1359D Core 35R, Interval 468.2-474.91m (CSF-A)

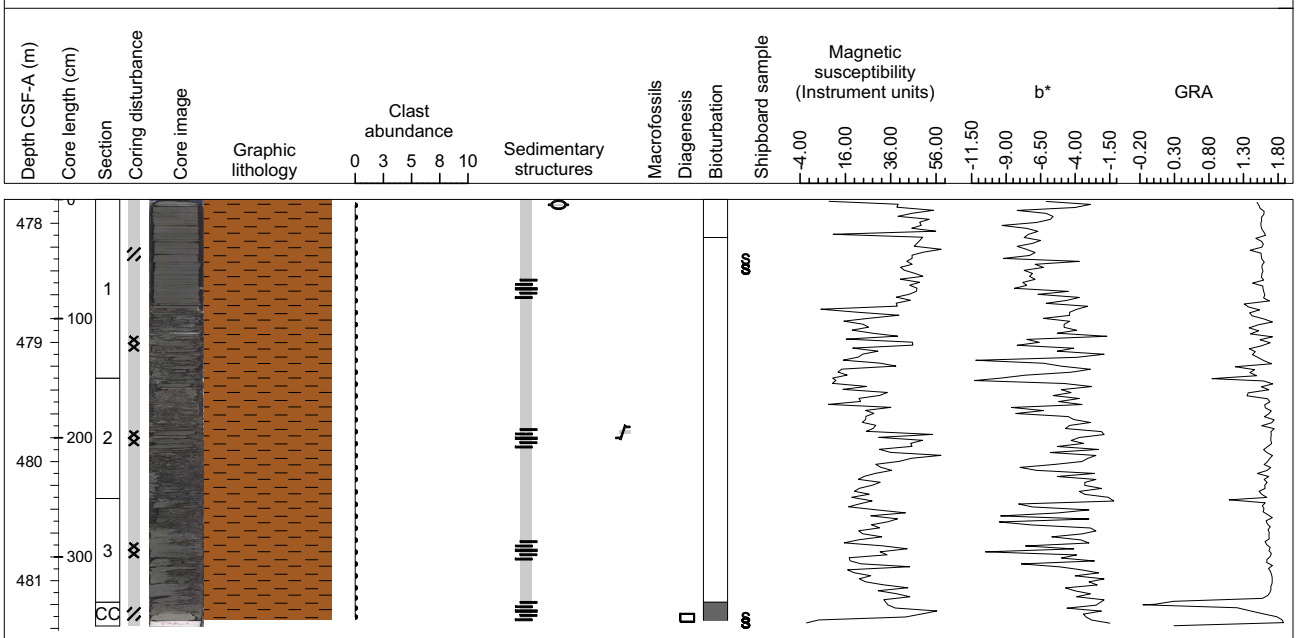
CLAY and DIATOM BEARING SILTY CLAY. Dark olive green clay is laminated thoughout with fine silty laminations. Diatom bearing silty clay is heavily bioturbated and contains dispersed clasts.



Core Photo

Hole 318-U1359D Core 36R, Interval 477.8-481.38m (CSF-A)

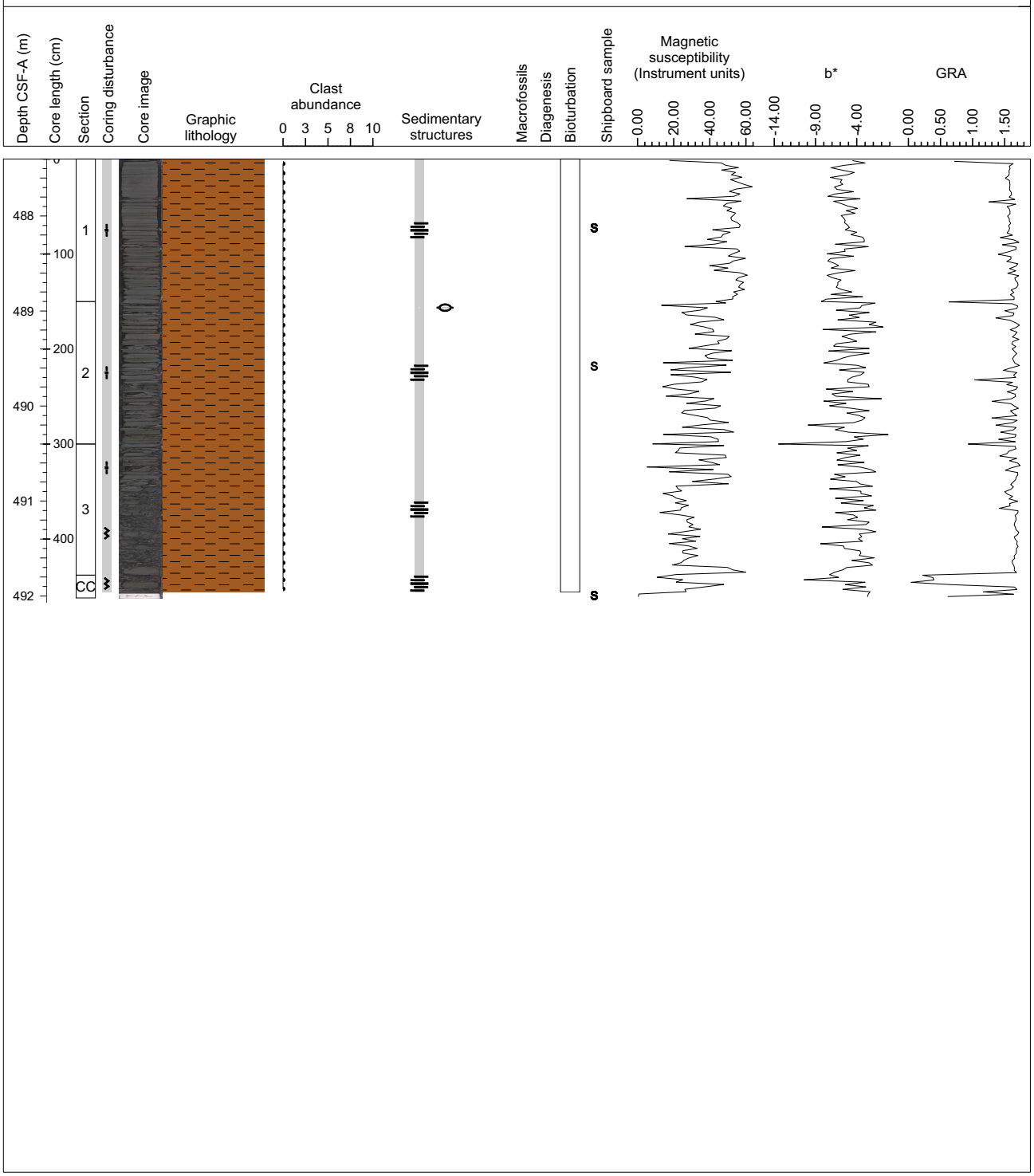
Olive grey and light greenish grey CLAYSTONE. The olive grey claystones are laminated on a mm-scale with occasional pinstripe laminations of silt. Bioturbation is spare to absent. The light greenish grey claystone is more intensily bioturbated and carbonate-cemented. Microfault and cemented hairline fractures are locally present.



Core Photo

Hole 318-U1359D Core 37R, Interval 487.4-492.02m (CSF-A)

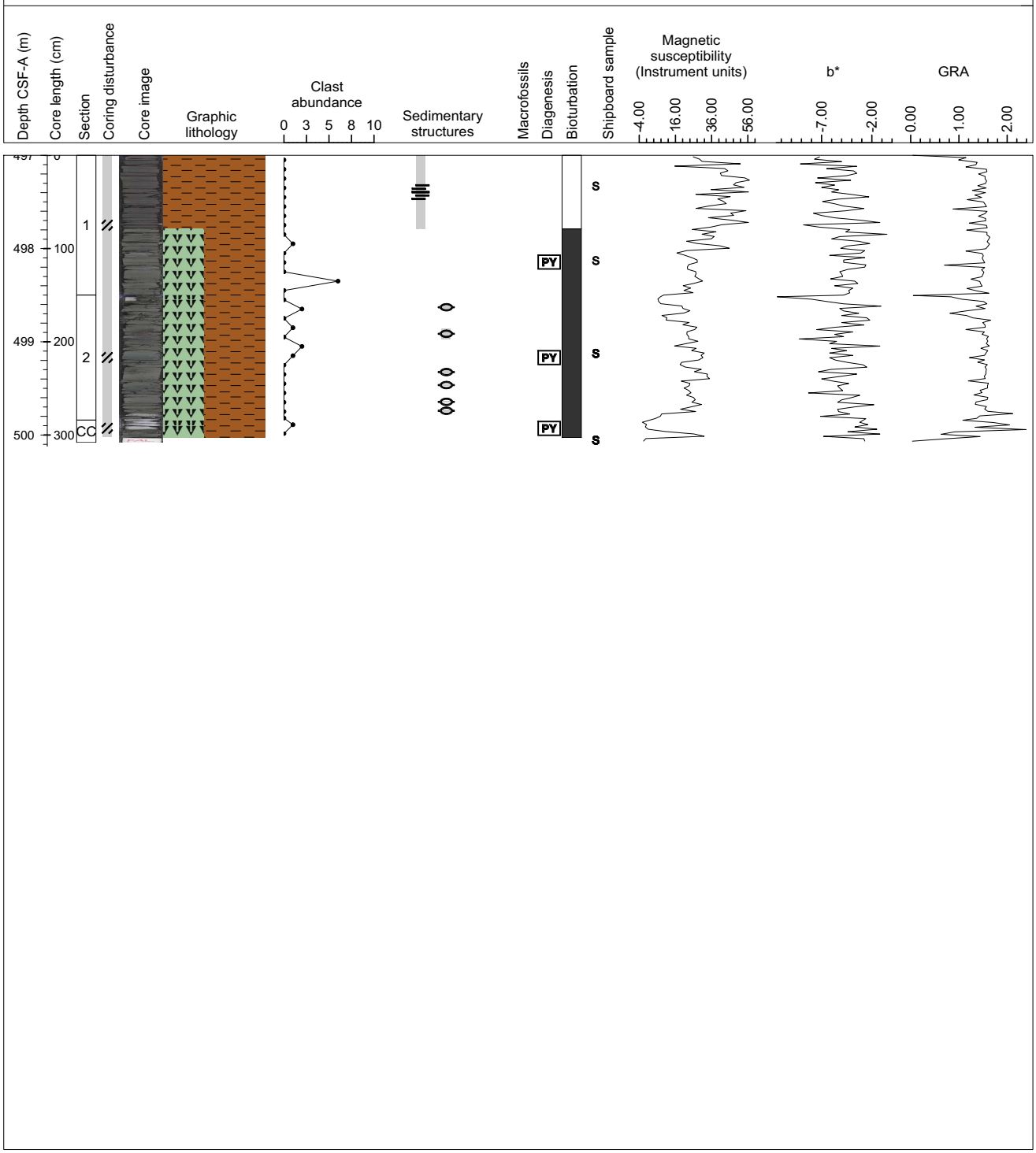
CLAY. Dark olive grey color. Uniform lithology throughout core of finely-laminated clay with a low degree of bioturbation. Very fine mm-to-submm scale light-colored silt lamiantions present throughout the core.



Core Photo

Hole 318-U1359D Core 38R, Interval 497.0-500.08m (CSF-A)

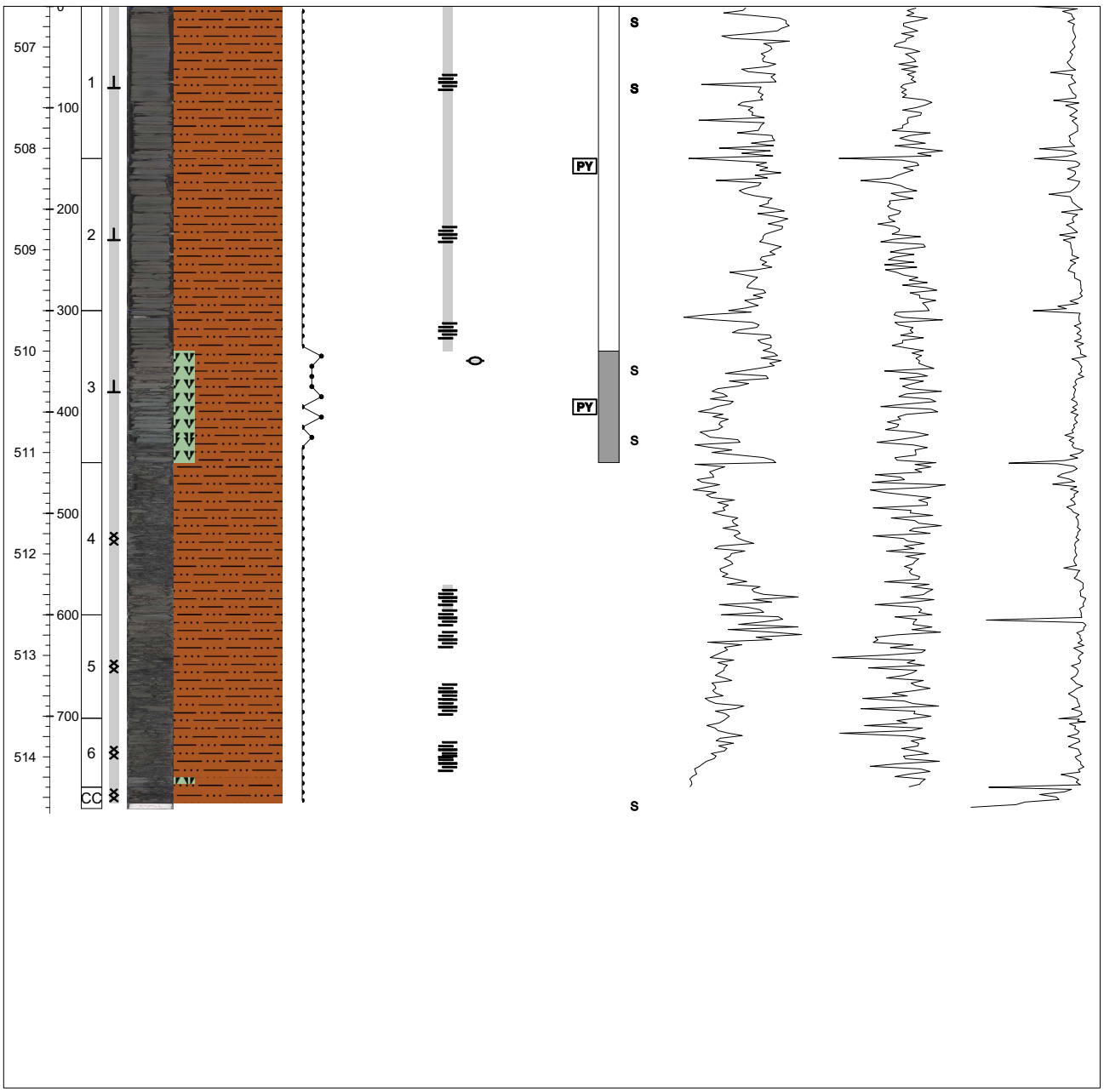
CLAYSTONE AND DIATOM-RICH SILTY CLAYSTONE WITH DISPERSED CLASTS. The claystone is olive grey and finely laminated with some silt particle. The diatom-rich silty claystone with dispersed clasts is light greenish grey and strongly bioturbated with numerous vertical burrows. Pyrite cement is common throughout this interval.



Core Photo

Hole 318-U1359D Core 39R, Interval 506.6-514.51m (CSF-A)

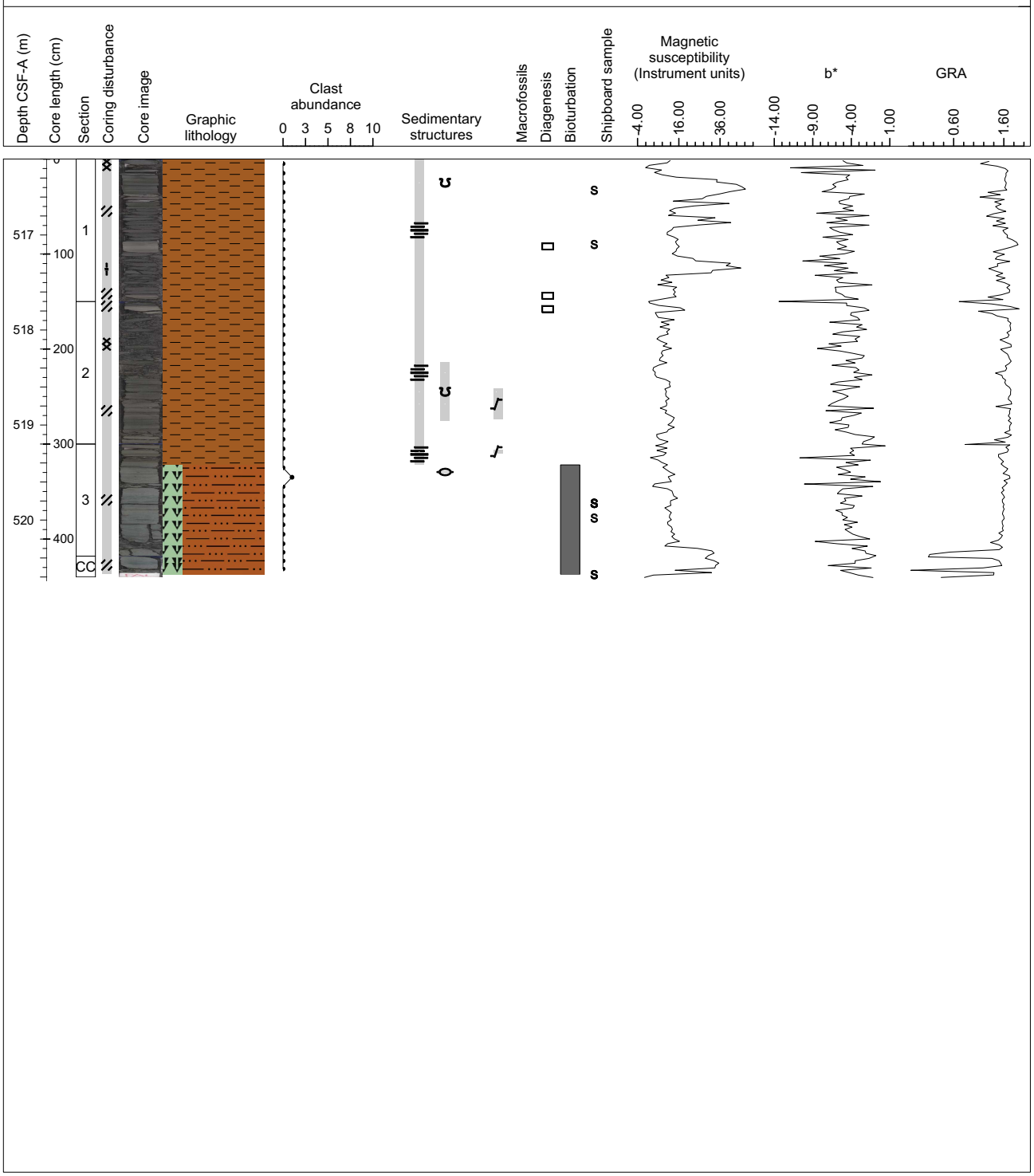
SILTY CLAY and DIATOM-BEARING SILTY CLAY WITH DISPERSED CLASTS. Silty clays are dark olive-grey in colour, finely laminated and do not contain clasts. Diatom-bearing silty clays are light green grey in colour, moderately to heavily bioturbated and clast bearing. Lower half of core is extremely fractured due to drilling disturbance.



Core Photo

Hole 318-U1359D Core 40R, Interval 516.2-520.6m (CSF-A)

SILTY CLAYSTONE AND DIATOM-BEARING SILTY CLAYSTONE. The silty claystone is olive in color and laminated throughout. Locally silt laminae are up to 3 mm thick and associated with loading and syn-sedimentary microfaults. Carbonate cemented patches are common. The diatom-bearing silty claystone is light greenish grey in color and moderately bioturbated. Dispersed sand is common.

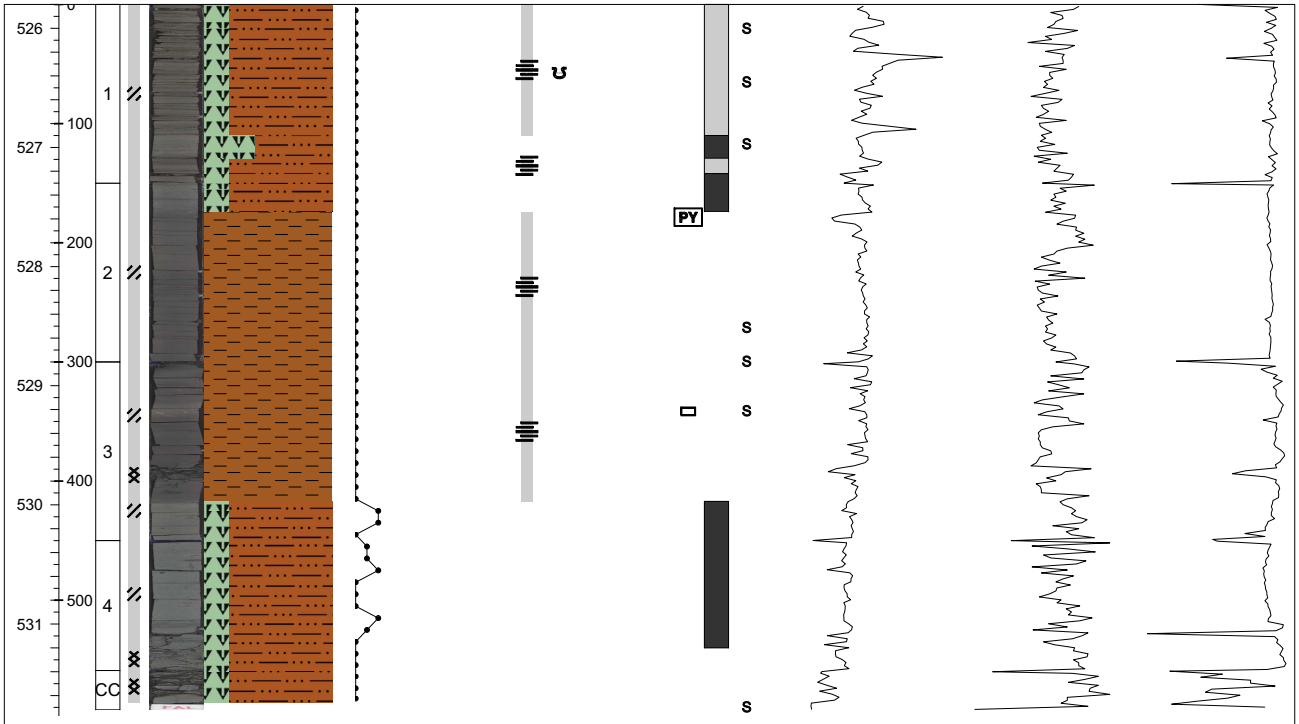


Core Photo

Hole 318-U1359D Core 41R, Interval 525.8-531.72m (CSF-A)

DIATOM BEARING SILTY CLAY and CLAY. Alternating beds of heavily bioturbated diatom-rich silty clay and laminated clay. First section has lighter silty clay with silty and sandy laminations. Carbonate cemented clay is also present in section 3

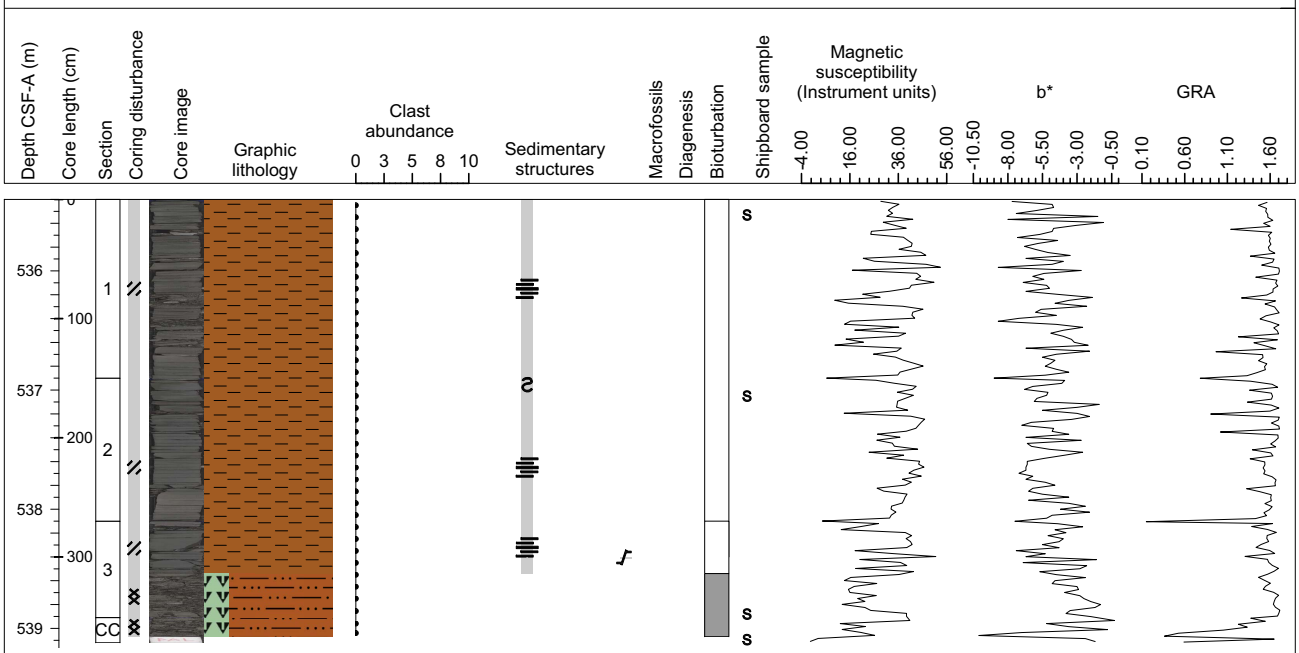
.



Core Photo

Hole 318-U1359D Core 42R, Interval 535.4-539.12m (CSF-A)

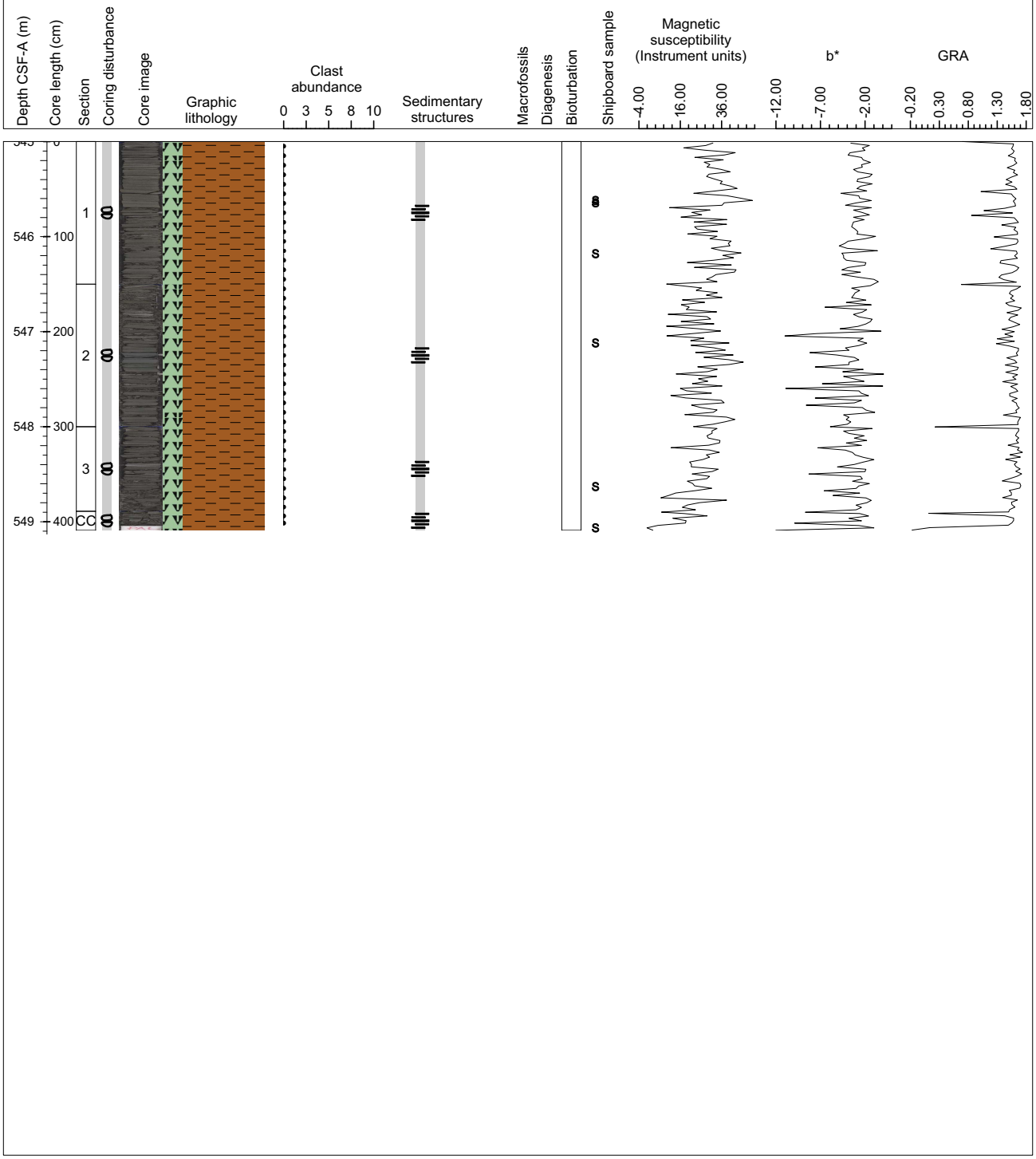
CLAYSTONE and DIATOM-BEARING SILTY CLAYSTONE. The claystone is olive green in colour and well -laminated throughout with occasionally up to 3mm thick silt laminae. Bioturbation is sparse. Reverse microfaults are present. The diatom-bearing silty clay is light greenish grey in colour, moderately bioturbated, but extremely drilling disturbed.



Core Photo

Hole 318-U1359D Core 43R, Interval 545.0-549.09m (CSF-A)

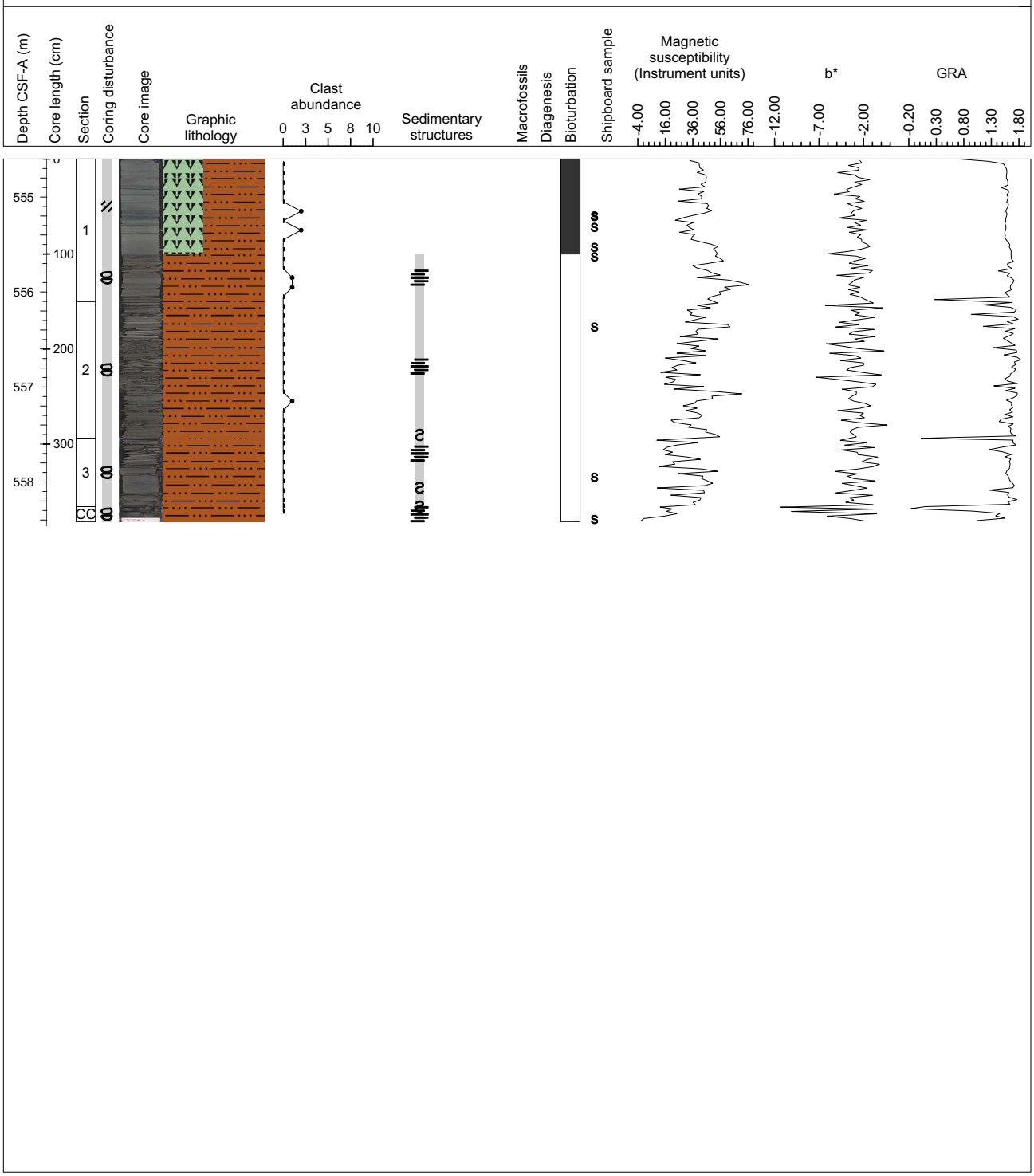
DIATOM-BEARING CLAYSTONE. The diatom-bearing claystone is dark greenish grey in colour and well -laminated throughout with occasionally up to 3mm thick quartz silt (diatom-bearing to -rich) laminae. Bioturbation is sparse.



Core Photo

Hole 318-U1359D Core 44R, Interval 554.6-558.42m (CSF-A)

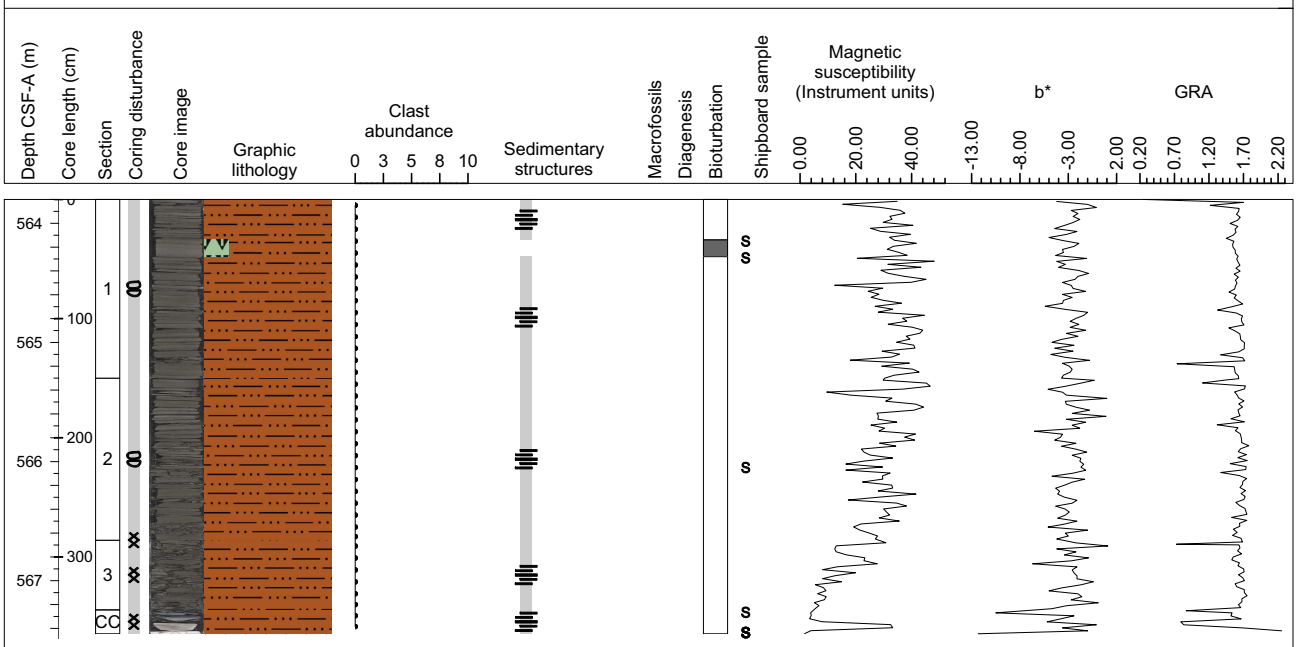
SILTY CLAY AND DIATOM-RICH SILTY CLAY. Light greenish grey diatom-rich silty clay overlies a dark greenish grey silty clay with faint parallel laminations. The darker silty clay exhibits pinstripe to mm-scale parallel laminations, and has two zones (10-40 cm) of contorted bedding. The lighter greenish grey diatom-rich silty clay is heavily bioturbated, mostly with cm-scale horizontal burrows.



Core Photo

Hole 318-U1359D Core 45R, Interval 563.8-567.445m (CSF-A)

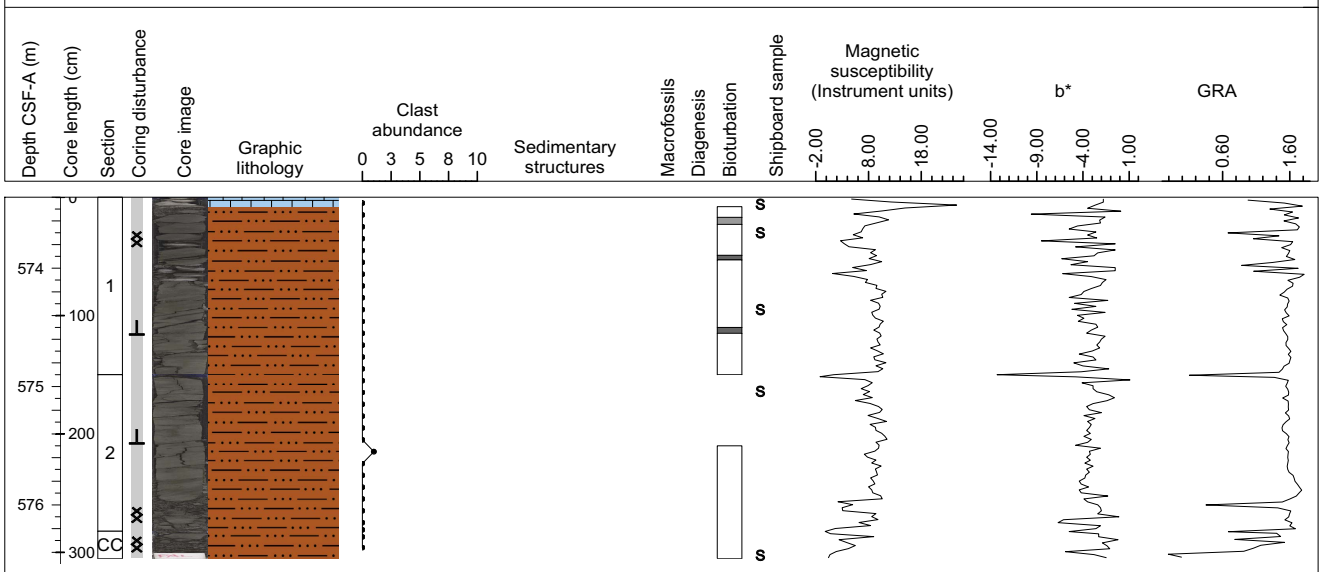
DIATOM-BEARING SILTY CLAY. The core is dominated by dark greenish grey diatom-bearing silty clay exhibits pinstripe to mm-scale parallel laminations, and has a single zone (34-48cm in Sec1) of common bioturbation. A thin carbonate cemented claystone bed occurs at the base of the core catcher.



Core Photo

Hole 318-U1359D Core 46R, Interval 573.4-576.45m (CSF-A)

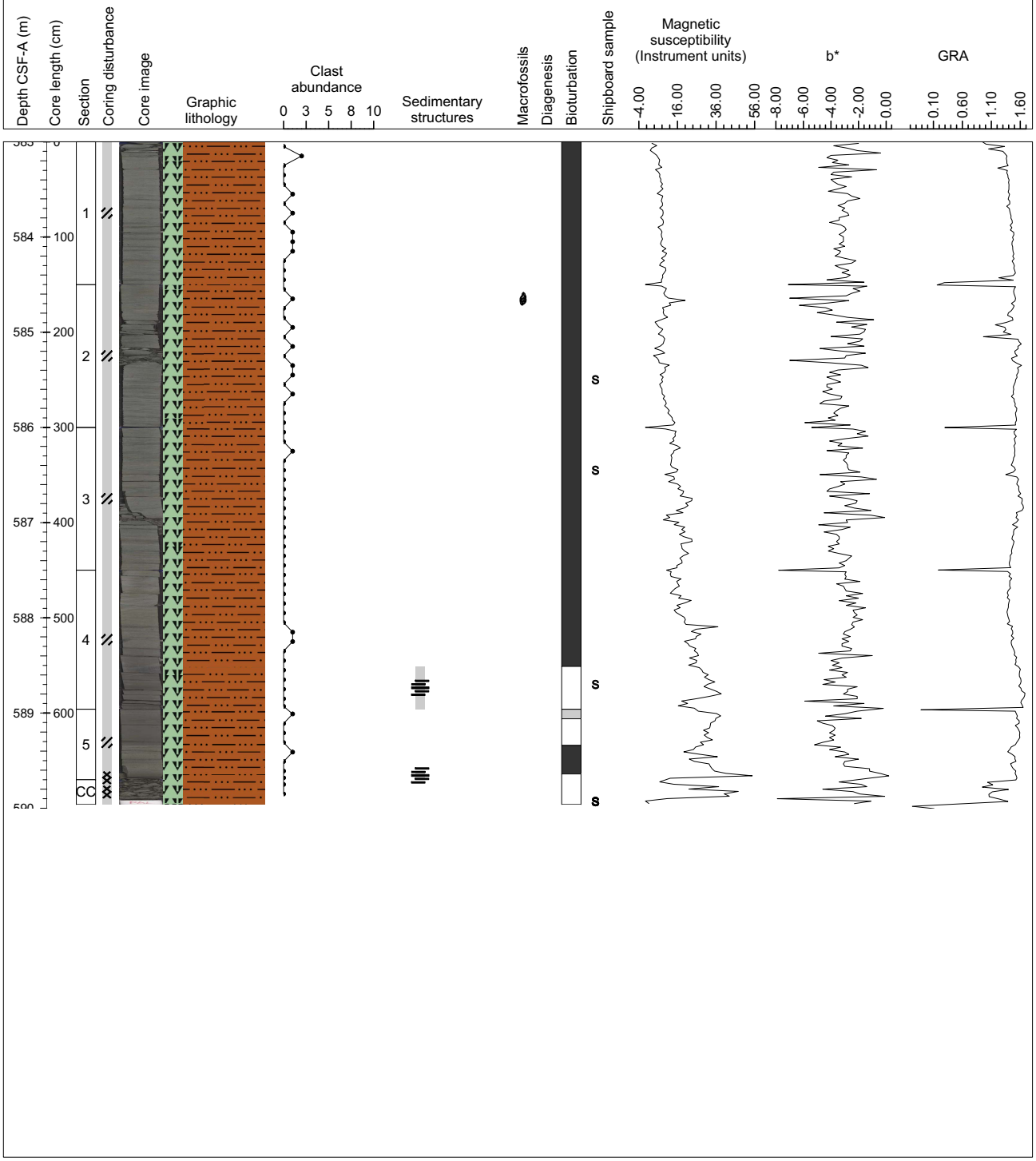
LIMESTONE, SILTY CLAYSTONE AND BRECCIATED SILTY CLAYSTONE. Top of core contains light grey limestone or dolostone. Most of core consists of dark greenish grey silty claystone with discontinuous laminations in some intervals. A 60cm-tick breccia of claystone fragments occurs in section 2. Units above and below the breccia are steeply inclined (40 degrees) from horizontal. Both soft and brittle sediment deformation features are apparent. Mild to moderate levels of bioturbation.



Core Photo

Hole 318-U1359D Core 47R, Interval 583.0-589.96m (CSF-A)

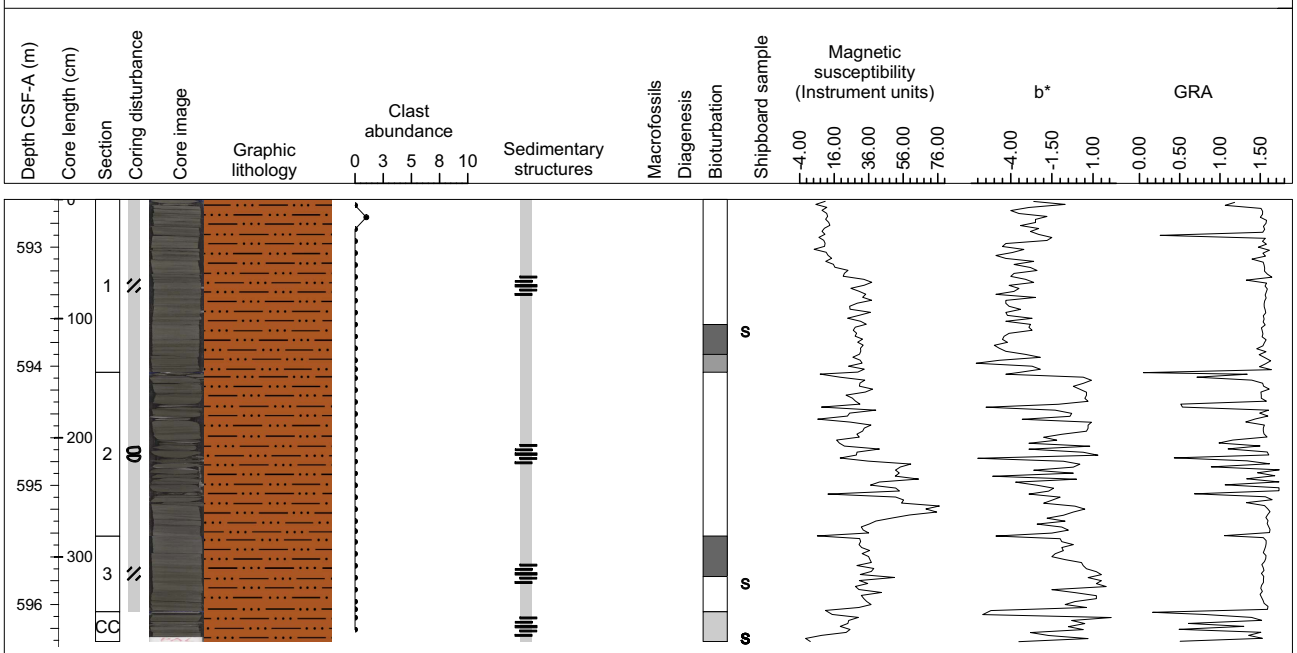
DIATOM BEARING SILTY CLAY. The core is dominated by greenish grey diatom-bearing silty clay that has abundant bioturbation, mostly with horizontal burrows. There are two intervals (<1m thick) of finely laminated dark greenish grey silty clay. Laminae in theses intervals are defined by color.



Core Photo

Hole 318-U1359D Core 48R, Interval 592.6-596.31m (CSF-A)

SILTY CLAY. The core is dominated by greenish silty clay that contains fine (mm- to sub-mm-scale) laminae as defined by color as well as occasional silt laminae (white pinstripe and blacker silt laminae up to 1cm thick), as well as some small burrows (grade 1 -4 bioturbation).



Samples					Texture			Mineral										Biogenic										Rock		Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Dense minerals	Pyrite	Opaque minerals	Carbonate	Micrite	Foraminifers	Nannofossils	Calcareous sponge spicules	Radiolarians	Diatoms	Silicoflagellates	Spicules	Siliceous debris	Dinoflagellates	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359A	1	1	5	0	0	68	32	8	1	3	54				2								30	1	1						Ma	diatom-rich clay
U1359A	1	1	33	0	0	85	15	25	5	1	51				3								15								Mi	diatom-bearing silty clay
U1359A	1	1	50	1	0	96	4	20	10	2	61				2							1	3						1		Ma	silty clay
U1359A	2	1	34	1	0	70	30	10		1	57				1							1	26	1	2				1		Ma	diatom rich silty clay
U1359A	2	1	73	1	0	53	47	40	5						3								40	2	5				5		Ma	diatom rich silty clay
U1359A	2	2	12	2	0	74	26	20	3	1	48												20	1	5				2		Ma	diatom bearing silty clay
U1359A	2	2	120	3	0	86	14	52			32				2								12		2						Mi	clayey silt
U1359A	2	3	32	4	0	85	15	18	2		63				1								12		3				1		Ma	silty clay
U1359A	2	4	10	5	0	95	5	6	1		86				1								2		3				1		Mi	clay
U1359A	2	4	72	6	0	85	15	21	3		60						1						10		5						Ma	silty clay
U1359A	2	5	73	7	0	88	12	45	2	2	34				2		1						6		6				2		Mi	clayey silt
U1359A	3	1	70	11	1	90	9	25	2		57		2		3		1						8		1					1	Ma	silty clay
U1359A	3	3	111	14	2	97	1	60	5		1	1	5		15								1						10	2	Mi	sand
U1359A	3	5	71	17	1	91	8	20	2		61		3		5								5		3					1	Mi	silty clay
U1359A	3	5	77	17	2	90	8	60	2		8	1	6		3								4		4				10	2	Mi	sand
U1359A	4	2	25	21	2	90	8	20	1		55		5		7								7		1				2	2	Ma	silty clay
U1359A	4	2	72	22	2	63	35	40	5		5		5		8								30		5					2	Mi	diatom rich silt
U1359A	4	3	133	24	0	94	6	10			54		25		5								5		1						Mi	silty clay
U1359A	4	4	57	25	3	93	4	20	2		60		5		5								3		1				1	3	Mi	silty clay
U1359A	4	4	130	25	0	82	18	30			30		10		5		2		10				5		3				5		Mi	foraminifera bearing sandy mud
U1359A	6	1	130	40	0	82	18	20	1		54		2		5							2	12	1	3						Mi	diatom bearing silty clay
U1359A	6	2	50	41	1	88	11	10			70		3		5								10		1					1	Ma	diatom bearing silty clay
U1359A	6	2	133	41	0	96	4	1			1		1		1								95		1						Mi	diatom ooze
U1359A	6	3	130	43	1	88	11	30			53		2		3								10		1					1	Ma	diatom bearing silty clay
U1359A	6	4	15	43	1	92	7	35	2		45		3		5							1	5	1					2	1	Mi	sandy mud
U1359A	6	5	144	46	2	93	5	43			25		5		20								5							2	Mi	clayey silt
U1359A	7	1	53	49	2	90	8	43			34		5		8								8							2	Ma	clayey silt
U1359A	7	2	98	51	2	89	9	30			51		3		5								8		1					2	Mi	silty clay
U1359A	7	4	60	53	0	92	8	10	1		75		2		2								8						2		Ma	silty clay
U1359A	8	3	40	61	0	93	7	15	2	1	71				4							1	5	1							Ma	silty clay
U1359A	8	5	30	64	1	97	2	30	10	2	50				5								2							1	Ma	silty clay
U1359A	8	5	91	65	0	96	4	40	10	3	38			2	3								3	1							Mi	clayey silt
U1359A	9	1	94	68	0	96	4	25	3	1	63			1	2								2		2				1		Mi	silty clay
U1359A	9	1	100	68	0	92	8	20	10	3	45				3								7		1				1		Ma	silty clay
U1359A	9	2	32	69	0	96	4	30	2	1	59			1	3								1		3						Mi	silty clay

Samples					Texture			Mineral											Biogenic										Rock		Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Dense minerals	Pyrite	Opaque minerals	Carbonate	Micrite	Foraminifers	Nannofossils	Calcareous sponge spicules	Radiolarians	Diatoms	Silicoflagellates	Spicules	Siliceous debris	Dinoflagellates	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359A	9	2	45	69	0	79	21	15	2		55			2	5								20		1						Ma	diatom-beariing silty clay
U1359A	9	3	77	71	0	100	0	79	2		10				3														6		Mi	Silt
U1359A	9	4	72	72	0	92	8	30	1	2	54			1	4								7		1						Mi	silty clay
U1359A	9	4	104	73	0	89	11	25	2		56				7								10		1						Ma	diatom-bearing silty clay
U1359A	9	4	111	73	0	98	2	40	15	4	33				6								1		1						Mi	clayey silt
U1359A	10	1	110	78	1	98	1	20	5	3	63			2	4										1				1	1	Ma	silty clay
U1359A	10	2	9	78	0	98	2	25	10		61				2										2						Mi	silty clay
U1359A	10	4	86	82	1	83	16	25	4	3	47				4								15		1					1	Ma	diatom-bearing silty clay
U1359A	10	4	90	82	0	97	3	65	5	10	5	1			1								2		1				10		Mi	silt
U1359A	10	5	115	84	0	98	2	10	1		83				4								2								Mi	clay
U1359A	10	6	58	85	0	96	4	30	15	2	22			3	22								2		2						Mi	pyrite-bearing clayey silt
U1359A	11	1	100	87	2	67	31	4			61				2															2	Ma	diatom-rich clay
U1359A	11	1	125	87	0	30	70	4	1		25												69	1							Mi	clay-rich diatom ooze
U1359A	11	2	139	89	0	46	54	3		1	40				2								54		1						Mi	clay-rich diatom ooze
U1359A	11	4	69	91	0	99	1	55	15	12	10				2										1				5		Mi	silt
U1359A	11	4	77	91	1	99	0	20	1	1	70				7															1	Ma	silty clay
U1359A	11	5	79	93	0	98	2	25	3	3	55				12								2								Mi	pyrite-bearing silty clay
U1359A	11	6	100	95	0	99	1	25	5	3	53			3	10								1								Ma	pyrite-bearing silty clay
U1359A	12	2	86	98	2	97	1	15	3	2	68			1	8								1							2	Ma	silty clay
U1359A	12	2	113	98	1	94	5	25	10	2	50			2	5								5							1	Mi	silty clay
U1359A	12	3	14	99	0	90	10	70	3		3	2	2		10								5		5						Mi	silt
U1359A	12	4	70	101	0	69	31	10			57				2								30		1						Ma	diatom-rich silty clay
U1359A	12	4	130	101	0	49	51	4			44				1								50		1						Mi	clay-rich diatom ooze
U1359A	12	5	100	103	0	49	51	7		1	35				3								50		1						Ma	clay-rich diatom ooze
U1359A	12	6	130	104	0	84	16	15			65	1			3								15		1						Ma	diatom-bearing silty clay
U1359A	12	6	144	105	1	88	11	12	1		73				2								10		1						Mi	diatom-bearing silty clay
U1359A	13	1	76	106	0	79	21	23	2		52											1	14	1	5				2		Ma	diatom bearing silty clay
U1359A	13	2	20	107	0	92	8	12		2	70				2								4		4				6		Mi	silty clay
U1359A	13	2	128	108	0	68	32	21	2		43				1								16		16				1		Ma	biosiliceous mud
U1359A	13	3	132	109	0	83	17	12			63				5								12		5				3		Mi	silty clay
U1359A	13	5	102	112	0	88	12	17			70				1								6		6						Mi	silty clay
U1359A	13	6	4	113	1	74	25	10	1		62				1								12	1	12					1	Ma	biosiliceous mud
U1359A	13	6	83	113	1	96	3	2	1		92				1								2		1					1	Mi	clay
U1359A	14	2	63	117	0	85	15	10			65		2		8								10		5						Ma	diatom bearing silty clay
U1359A	14	3	72	118	0	75	25	18	2	2	45		3		5								20		5						Mi	diatom bearing clayey silt

Samples					Texture			Mineral											Biogenic										Rock		Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Dense minerals	Pyrite	Opaque minerals	Carbonate	Micrite	Foraminifers	Nannofossils	Calcareous sponge spicules	Radiolarians	Diatoms	Silicoflagellates	Spicules	Siliceous debris	Dinoflagellates	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359A	14	3	95	119	0	64	36	15	2	2	39		1		5								30	1	5						Mi	diatom rich clayey silt
U1359A	14	5	80	121	0	95	5	75		3	10	2	2		3							1	2		2						Mi	sand
U1359A	14	6	49	123	0	77	23	25	2		40		3		7								17	1	5						Ma	diatom bearing clayey silt
U1359A	14	7	59	124	0	90	10	13	2		55		12		7								8		2				1		Mi	silty clay
U1359A	15	2	66	126	0	86	14	35	2	2	40		2		5								8	1	5						Mi	clayey silt
U1359A	15	2	96	127	0	91	9	60	2	3	15		3		8								8		1						Ma	silt
U1359A	15	2	102	127	2	68	30	25	2		34		2		5								20		10					2	Mi	biosiliceous rich clayey silt
U1359A	15	3	65	128	0	89	11	13	1	2	68		2		3							1	5		5						Mi	biosiliceous bearing silty clay
U1359A	15	4	100	130	0	90	10	10	1	1	68				10								8		2						Ma	silty clay
U1359A	15	6	80	132	0	70	30	30	2	1	26		3		8								20		10						Mi	biosiliceous rich clayey silt
U1359A	17	1	61	144	0	80	20	10	1	2	57		3		7								17		3						Ma	diatom bearing silty clay
U1359A	17	2	30	145	1	66	33	10		1	48		2		5							1	30		2						Ma	diatom rich clayey silt
U1359A	18	3	93	149	2	76	22	20			44		5		7								20		2					2	Ma	diatom bearing clayey silt
U1359A	18	4	26	150	0	59	41	20	3		28	1	2		5							1	35		5						Ma	diatom rich clayey silt
U1359A	18	6	50	153	0	88	12	20	3	3	20		2		40							1	8	1	2						Mi	pyrite rich sandy mud
U1359A	19	2	85	157	1	78	21	8	1		67				2								20		1					1	Ma	diatom-rich silty clay
U1359A	19	2	125	158	0	99	1	25	15	5	50	1		2	2								1								Mi	silty clay
U1359A	19	4	117	161	0	45	55	4		1	39				1							3	50	2	1						Mi	clay-rich diatom ooze
U1359A	19	4	124	161	0	73	27	7	1		50	1			13								25		2	1					Mi	diatom-rich silty clay
U1359A	19	4	128	161	0	57	43	15	3		33				6								40	1	1	1					Ma	diatom-rich silty clay
U1359A	19	5	40	161	0	47	53	12			30				5							1	50	1	1						Mi	clay-rich diatom ooze
U1359A	21	2	79	176	3	87	13	25	1	1	54				6								10							3	Ma	diatom-bearing silty clay
U1359A	21	3	9	177	0	97	3	35	15	7	30			1	4								3						5		Mi	clayey silt
U1359A	21	3	128	178	0	55	45	8			44				3								45								Mi	diatom-rich silty clay
U1359A	21	3	137	179	0	50	50	15		1	30				4								50								Mi	clay-rich diatom ooze
U1359A	21	4	126	180	0	58	42	15		3	34				6								40	2							Mi	diatom-rich silty clay
U1359A	21	5	81	181	0	59	41	8	2	1	46				4								40	1							Ma	diatom-rich silty clay
U1359A	21	5	105	181	0	43	57	5			37				1								55	1	1						Mi	clay-rich diatom ooze
U1359A	22	1	88	185	0	97	3	8	2	5	74				8								3								Ma	silty clay
U1359A	22	2	43	186	1	64	35	15	2		40				7								35							1	Mi	diatom-rich clay
U1359A	22	3	38	187	0	65	35	12	2	1	47				3								35								Ma	diatom-rich silty clay
U1359A	22	3	43	187	0	68	32	10	2	2	42				12								30	1	1						Mi	diatom-rich silty clay
U1359A	22	3	81	188	1	69	31	15	2		49				3								30							1	Ma	diatom-rich silty clay
U1359A	22	3	140	188	0	64	36	12			48				4								35	1							Mi	diatom-rich silty clay
U1359A	22	4	47	189	0	80	20	20			51				9								20								Ma	diatom-bearing silty clay

Samples					Texture			Mineral										Biogenic							Rock		Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Dense minerals	Zeolite	Pyrite	Opaque minerals	Carbonate	Foraminifers	Nannofossils	Radiolarians	Diatoms	Silicoflagellates	Spicules	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359B	2	2	65	9.85	0	88	12	20	7	2	54			1		4					1	10		1				D	diatom-bearing silty clay
U1359B	3	4	70	22.5	0	97	3	18	4	1	68					6						3						Ma	silty clay
U1359B	4	2	2	28.22	0	92	8	30		2	52		5			3						5		3				Mi	silty clay
U1359B	4	2	41	28.61	0	90	10	20			52		15			3						7		3				Ma	silty clay
U1359B	5	2	25	37.95	0	93	7	30		3	52		3			5						5		2				Ma	silty clay
U1359B	5	4	52	41.22	0	18	82	8		2	4		2			2						80		2				Mi	diatom ooze
U1359B	6	3	45	49.15	0	97	3	25		2	50		5			15						3						Ma	pyrite bearing silty clay
U1359B	6	6	19	53.19	0	78	22	15		1	56		3			3						20		2				Ma	diatom bearing silty clay
U1359B	7	2	15	56.85	0	90	10	20		2	60		3			5					1	8		1				Ma	silty clay
U1359B	7	3	63	58.83	0	67	33	30		1	26		5			5						30		3				Mi	diatom rich clayey silt
U1359B	7	3	65	58.85	0	60	40	35		2	10		5			8						35		5				Mi	diatom rich silt
U1359B	7	5	77	61.97	0	83	17	10	1	2	61		4			5						15		2				Mi	diatom bearing silty clay
U1359B	8	2	20	66.4	0	85	15	15	1		62		2			5						10		5				Mi	biosiliceous bearing silty clay
U1359B	8	5	140	72.1	0	85	15	20		1	57		2			5						10		5				Mi	biosiliceous bearing silty clay
U1359B	9	3	45	77.65	3	82	15	10			63		2			7						12		3			3	Ma	diatom bearing silty clay
U1359B	9	5	123	81.43	1	95	4	20	3		35		17			20						3		1			1	Mi	pyrite bearing clayey silt
U1359B	9	7	15	82.86	0	94	6	20		3	56		5			10						5		1				Ma	silty clay
U1359B	10	2	44	85.64	0	93	7	20	1	1	62		2			7						5		2				Ma	silty clay
U1359B	10	3	65	87.35	0	78	22	30	2	2	36		3			5						20		2				Ma	diatom bearing clayey silt
U1359B	10	5	50	90.2	0	55	45	15	2		30		3			5						35		10				Ma	diatom rich clayey silt
U1359B	11	3	20	96.4	0	94	6	15		2	62		5			10						5		1				Ma	silty clay
U1359B	11	6	20	100.9	0	76	24	30	2		29		5			10					3	15	1	5				Ma	diatom bearing clayey silt
U1359B	11	6	60	101.3	0	66	34	20	1		32		3			10					1	30		3				Ma	diatom rich clayey silt
U1359B	12	2	70	104.9	1	78	21	25	5	1	41					7						20		1			1	Ma	diatom-bearing silty clay
U1359B	12	5	70	109.4	2	57	41	15	5	2	30			1		3						40		1		1	2	Ma	diatom-rich silty clay
U1359B	12	7	80	112.3	2	96	2	20	4	1	67					4						2					2	Ma	silty clay
U1359B	13	2	78	114.5	0	95	5	12	1	1	78					8						5						Ma	clay
U1359B	13	3	120	116.4	0	54	46	8	2		38					6					1	45						Ma	diatom-rich clay
U1359B	13	5	42	118.6	5	95	0	3			57							35									5	Mi	carbonate rich clay
U1359B	13	6	40	120.1	1	53	46	7			44					2						45	1				1	Mi	diatom-rich clay
U1359B	14	1	40	122.1	1	84	15	12	3	1	66					2						15					1	Ma	diatom-bearing clay
U1359B	14	3	90	125.6	0	85	15	20	3	1	68					3						15						Mi	diatom-bearing silty clay

Samples					Texture			Mineral										Biogenic							Rock		Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Dense minerals	Zeolite	Pyrite	Opaque minerals	Carbonate	Foraminifers	Nannofossils	Radiolarians	Diatoms	Silicoflagellates	Spicules	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359B	14	4	44	126.6	0	90	10	28	10		46					6						10						Ma	diatom-bearing silty clay
U1359B	14	5	45	128.2	1	91	8	22			65					4						8					1	Mi	silty clay
U1359B	15	2	19	132.9	0	93	7	22			68			1		2						7						Ma	silty clay
U1359B	15	2	20	132.9	3	74	23	30	10	3	36			1		4						20		3			3	Mi	diatom-bearing clayey silt
U1359B	15	3	20	134.2	1	98	1	10			86					2						1					1	Ma	clay
U1359B	17	1	130	151.5	0	68	32	30	5	1	25			1		6						30		2				Ma	diatom-richclayey silt
U1359B	17	3	86.5	154.1	0	95	5	60	15	6	3	1				2						2		3		8		Mi	silt
U1359B	17	3	87	154.1	2	93	5	20	4	2	65			1		1						5					2	Mi	silty clay
U1359B	17	3	92	154.1	0	63	37	25			15					23						35		2				Mi	diatom-rich clayey silt
U1359B	17	3	95.5	154.2	5	82	13	25	1		50					6						13					5	Mi	diatom-bearing silty clay
U1359B	17	3	110	154.3	0	97	3	10	1		83					3						3						Mi	clay
U1359B	17	6	13	157.8	0	88	12	55	5	7	13					8						10		2				Mi	diatom-bearing silt
U1359B	17	6	78	158.5	0	99	1	60	10	8	1					8						1				12		Mi	silt
U1359B	18	2	50	161.7	0	97	3	25	10	4	49					8						3				1		Mi	silty clay
U1359B	18	2	80	162	1	73	26	20	3	1	42			1		6						25		1			1	Ma	diatom-rich silty clay
U1359B	18	5	120	166.9	0	95	5	7		1	82					5						5						Ma	clay
U1359B	18	6	60	167.8	0	100	0	3	2		10	20		25		40												Mi	sand
U1359B	19	1	70	169.9	0	97	3	25	1	3	60					8						3						Ma	silty clay
U1359B	19	3	110	173.3	1	82	17	40		7	30					5						15		2			1	Ma	clayey silt
U1359B	19	5	70	175.9	0	70	30	20	5	2	39					4						30						Ma	diatom-rich silty clay
U1359B	19	6	70	177.4	0	85	15	15			62					8						15						Ma	diatom-bearing clay
U1359B	20	2	34	180.5	2	49	49	16	2	1	28	1				1						38	1	10			2	Ma	diatom rich silty clay
U1359B	20	3	66	182.4	0	50	50	17	3	2	26				1		1					38	2	10				Ma	diatom rich silty clay
U1359B	20	4	139	184.6	2	88	10	5									1	82				5		5			2	Mi	calcareous mud
U1359B	20	6	78	187	0	75	25	25	3	1	44	1					1					20		5				Mi	diatom bearing silty clay
U1359B	21	1	61	188.8	0	75	25	15	1	2	49		3			5					1	20	1	3				Ma	diatom bearing silty clay
U1359B	21	2	13	189.8	0	96	4	70		3	3		10			10						3		1				Mi	silt
U1359B	21	3	58	191.8	1	85	14	10			55		10			10						13		1			1	Ma	diatom bearing silty clay
U1359B	21	4	40	193.1	1	81	18	20			50		4			7						15		3			1	Ma	diatom bearing silty clay
U1359B	22	3	130	202	2	65	33	15			44		3			3						30		3			2	Ma	diatom rich silty clay
U1359B	22	5	92	204.7	0	92	8	10			70		4			8						8						Ma	clay
U1359B	22	6	40	205.6	1	70	29	25	1	1	31		5			7					1	25		3			1	Ma	diatom rich clayey silt

Samples					Texture			Mineral										Biogenic							Rock		Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Dense minerals	Zeolite	Pyrite	Opaque minerals	Carbonate	Foraminifers	Nannofossils	Radiolarians	Diatoms	Silicoflagellates	Spicules	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359B	23	1	40	207.6	0	88	12	15		1	62		3			7						12						Ma	diatom bearing silty clay
U1359B	24	1	50	209.5	0	72	28	40	5	2	11	1	3			10						25		3				Ma	diatom rich silt
U1359B	25	2	90	216.1	1	67	32	20	2	1	34		5			5						30		2			1	Ma	diatom rich silty clay
U1359B	25	3	65	217.4	2	83	15	10			58		5			10						15					2	Ma	diatom bearing silty clay
U1359B	25	4	58	218.8	1	44	55	10	1	1	19		3			10						50		5			1	Mi	diatom ooze
U1359B	26	3	30	225.2	0	65	35	20	2	3	25		5			10					2	30		3				Ma	diatom rich clayey silt
U1359B	26	CC	30	226.5	1	89	10	15		1	48		10			15						8		2			1	Ma	silty clay
U1359B	28	1	35	242.8	0	90	10	15	1		56		8			10						9		1				Ma	silty clay

Samples					Texture			Mineral									Biogenic										Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Dense minerals	Pyrite	Carbonate	Foraminifers	Nannofossils	Radiolarians	Diatoms	Silicoflagellates	Spicules	Dinoflagellates	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359C	1	2	80	2.3	5	91	4	5	1	1	77				7					4						5	Ma	clay
U1359C	1	4	130	5.8	8	90	2	20	7	3	54				4					2					2	8	Ma	silty clay
U1359C	1	5	75	6.8	0	97	3	30	10	2	30			1	5					1		2					Ma	silty clay
U1359C	1	5	97	7	0	98	2	4	1	1	87				9					2							Ma	clay
U1359C	3	1	60	17	0	98	2	30	5	3	50				10					2							Ma	silty clay
U1359C	3	2	120	19	2	90	8	20		3	62				2					5		3			3	2	Ma	silty clay
U1359C	3	4	16	21	1	93	6	7	5		50	1				30	1		1	3		1				1	Ma	carbonate-rich silty clay
U1359C	3	4	120	22	0	98	2	25	3	6	55				4	4				2					1		Ma	silty clay
U1359C	3	6	120	25	0	85	15	12	1		64				7	1				15							Ma	diatom-bearing silty clay
U1359C	4	2	93	29	0	89	11	22		4	55				5	3				10		1					Ma	diatom-bearing silty clay
U1359C	4	3	4	29	0	47	53	10	3	2	17				3	12	10		2	40		1					Ma	clayey silt diatom ooze
U1359C	4	4	60	31	1	84	15	25	3	2	54				10					15						1	Ma	silty clay
U1359C	4	5	70	33	1	95	4	10	3	4	73				4					4						1	Ma	clay
U1359C	5	1	35	36	0	18	82	5	1		10				2					81	1						Mi	diatom ooze
U1359C	5	1	64	36	0	65	35	20	2	1	38				4					35							Ma	diatom-rich silty clay
U1359C	5	2	145	39	0	28	72	10		1	15				2					72							Ma	clay-bearing diatom ooze
U1359C	5	3	45	39	0	32	68	10			20				2					68							Ma	clay-bearing diatom ooze
U1359C	5	5	122	43	0	90	10	12	8	1	5	1			63					10							Mi	Pyritized diatom ooze
U1359C	5	6	120	44	1	98	1	13	2	1	81			1						1						1	Ma	clay
U1359C	6	2	70	47	0	75	25	7	1		63				4					25							Ma	diatom-rich clay
U1359C	6	2	137	48	0	98	2	8		1	79				5				2	5							Mi	clay
U1359C	6	5	120	52	0	97	3	2			93				2					3							Ma	clay
U1359C	6	7	55	54	0	99	1	10			81				17					1							Ma	pyrite-bearing clay
U1359C	7	1	120	56	1	89	10	15		1	69				4					10						1	D	diatom-bearing clay
U1359C	7	2	19	56	0	91	9	20	5		65			1						5		4					Mi	Sandy mud
U1359C	7	3	120	59	2	94	4	13			70				11					4						2	Ma	pyrite-bearing clay
U1359C	7	6	40	63	0	65	25	12	3		54			1	5					25							Ma	diatom-rich silty clay
U1359C	8	2	70	66	3	89	8	22		1	63				3					8						3	Ma	silty clay
U1359C	8	3	110	68	1	94	5	25	7	2	55				5					5						1	Ma	silty clay
U1359C	8	4	106	70	0	100	0	10			90																Mi	sand bearing clay size organic matter
U1359C	8	4	140	70	0	40	60	15			23				2					60							Ma	clay-bearing diatom ooze

Samples					Texture			Mineral									Biogenic										Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Dense minerals	Pyrite	Carbonate	Foraminifers	Nannofossils	Radiolarians	Diatoms	Silicoflagellates	Spicules	Dinoflagellates	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359C	8	7	40	74	4	85	11	15	2		60				8					10		1				4	Ma	diatom-bearing silty clay
U1359C	9	2	50	76	0	97	3	20			69		3		5					3							Ma	silty clay
U1359C	9	3	55	77	0	68	32	30		2	28		5		3					30		2					Mi	diatom rich clayey silt
U1359C	9	4	35	79	0	77	23	10			59		3		5					20		3					Ma	diatom bearing silty clay
U1359C	10	1	42	84	0	76	24	10			55	1	5		5					20		4					Ma	diatom bearing silty clay
U1359C	10	4	50	88	0	95	5	30			53		5		7					5							Ma	silty clay
U1359C	10	4	106	89	2	63	35	30	2		16		5		10					30		5				2	Mi	diatom rich silty clay
U1359C	10	7	51	93	0	99	1	83			10		3		3					1							Mi	silt
U1359C	11	1	50	93	1	94	5	25		1	57		3		8					5						1	Ma	silty clay
U1359C	11	5	50	99	0	80	20	25			42		5		8					15		5					Ma	diatom bearing silty clay
U1359C	11	6	11	100	0	94	6	8			16		5		5	60				5		1					Mi	Calcareous mud
U1359C	12	3	15	105	0	82	18	25		1	41		5		10					15		3					Ma	diatom bearing silty clay
U1359C	12	4	15	107	0	91	9	20			30		31		10					8		1					Ma	silty clay
U1359C	13	3	20	115	0	93	7	10			69		2		12					5		2					Ma	silty clay
U1359C	13	3	52	115	2	70	28	25			37		3		5					25		3				2	Ma	diatom rich silty clay
U1359C	13	4	96	117	1	90	9	25			53		5		7					7		2				1	Ma	silty clay
U1359C	15	3	15	134	1	66	33	20			33		3		10					30		3				1	Ma	diatom rich silty clay
U1359C	15	4	110	136	0	83	17	20			52		3		8					15		2					Ma	diatom bearing silty clay
U1359C	15	6	16	138	0	85	15	20		1	53		3		8					13		2					Ma	diatom bearing silty clay
U1359C	15	6	80	139	1	90	9	25		1	51		5		8					8		1				1	Ma	silty clay
U1359C	16	2	60	142	0	72	28	20		1	41		5		5				1	25		2					Ma	diatom rich silty clay
U1359C	16	4	80	146	0	97	3	1			5				1	90				3							Mi	Carbonate mud
U1359C	16	5	100	147	0	92	8	20		1	53		3		15					8							Ma	silty clay
U1359C	17	2	50	152	0	70	30	10	1		56				3					30							Ma	diatom-rich silty clay
U1359C	17	4	40	154	4	75	21	35	5	3	27				5					20		1				4	Ma	diatom-bearing silty clay
U1359C	17	4	80	155	0	95	5	15	5	5	68				3					5					2		Ma	silty clay
U1359C	18	1	80	160	0	65	35	15	2	3	40				5					35							Ma	diatom-bearing silty clay
U1359C	18	2	100	162	2	88	10	13		4	67				6					10						2	Ma	diatom-bearing silty clay
U1359C	18	5	100	166	1	91	8	20		1	67				4					8						1	Mi	silty clay
U1359C	18	6	85	168	2	88	10	25	5		49				9					10						2	Ma	diatom-bearing silty clay

Samples					Texture			Mineral										Biogenic										Rock		Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Pyrite	Opaque minerals	Carbonate	Micrite	Foraminifers	Nannofossils	Calcareous sponge spicules	Radiolarians	Diatoms	Silicoflagellates	Spicules	Siliceous debris	Dinoflagellates	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359D	2	1	39	153	5	85	10	25	10	2	44		1	3								10							5	Ma	diatom-bearing silty clay
U1359D	2	1	95	153	2	68	30	15	2	2	39			10								30							2	Mi	diatom-rich silty clay
U1359D	2	2	35	154	2	87	11	25	5	1	50			6								10		1					2	Ma	diatom-bearing silty clay
U1359D	2	4	40	157	2	90	8	12	1		75			2								8							2	Ma	silty clay
U1359D	2	4	53	157	0	89	11	20	8	8	45		5	3								10		1						Mi	diatom-bearing silty clay
U1359D	2	5	66	159	2	98	0	3			60			2		33													2	Mi	carbonate cemented clay
U1359D	2	6	28	159	1	20	79	3			15											74	5	2					1	Mi	clay-bearing diatom ooze
U1359D	3	1	60	162	0	74	26	10	4	2	53			5								25	1							Ma	diatom-rich silty clay
U1359D	3	3	22	165	1	83	16	20	7	2	50			4								15	1						1	Mi	diatom-bearing silty clay
U1359D	3	3	63	165	0	69	31	30		1	35			3								30	1							Ma	diatom-rich silty clay
U1359D	3	4	111	167	3	77	20	22	2	4	55			4								20							3	Mi	diatom-bearing silty clay
U1359D	3	CC	9	171	1	88	11	25		1	50			12								8		3					1	Mi	silty clay with pyrite
U1359D	4	1	50	172	0	91	9	30	2	2	49			8								8		1						Ma	silty clay
U1359D	4	2	100	174	2	64	34	15			41		3	5								30		4					2	Mi	diatom-rich silty clay
U1359D	4	2	126	174	2	68	30	20	2	1	37			8								25		5					2	Mi	diatom-rich silty clay
U1359D	4	2	127	174	0	86	14	13	2	1	44			6		20						10	1	3						Ma	Carbonate cemented diatom bearing siltyclay
U1359D	4	4	110	177	1	54	45	10			40			3								30	10	5				1	1	Ma	diatom-rich silty clay
U1359D	4	6	6	179	1	74	25	20	7	2	43			2								20	3	2					1	Mi	diatom-bearing silty clay
U1359D	4	CC	15	180	0	55	45	12	2		38			3								25	10	10						Ma	diatom-rich silty clay
U1359D	5	1	42	181	0	54	46	20			33				1							25	1	20						Ma	biosiliceous silty clay
U1359D	5	1	112	182	0	51	49	10			40			1								40	1	8						Ma	diatom-rich silty clay
U1359D	5	1	120	182	0	72	28	10			57			5								25		3						Ma	diatom-rich silty clay
U1359D	5	2	115	184	0	73	27	17			55				1							22	1	4						Ma	diatom-bearing silty clay
U1359D	6	1	85	191	0	62	38	15			43		1	3								35		3						Ma	diatom-rich silty clay
U1359D	6	2	30	192	0	57	43	30			15		2	10								39	1	3						Ma	diatom-rich clayey silt
U1359D	6	4	69	196	0	89	11	10			70		2	7								10		1						Ma	diatom-bearing silty clay
U1359D	7	1	107	201	0	83	17	30	1	1	44		2	5								15		2						Ma	diatom-bearing silty clay
U1359D	7	2	80	202	0	69	31	25		1	36		2	5								25	1	5						Ma	diatom-rich silty clay
U1359D	8	2	95	212	0	72	28	25		1	37		2	7								25		3						Ma	diatom-rich silty clay
U1359D	8	3	29	213	0	59	41	20	1		25		3	10								40		1						Mi	diatom-rich clayey silt
U1359D	8	3	60	213	0	62	38	10			39		3	10								35		3						Mi	diatom-rich silty clay
U1359D	8	3	73	213	0	82	18	50			25		2	5								15		3						Ma	diatom-bearing clayey silt

Samples					Texture			Mineral										Biogenic										Rock		Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Pyrite	Opaque minerals	Carbonate	Micrite	Foraminifers	Nannofossils	Calcareous sponge spicules	Radiolarians	Diatoms	Silicoflagellates	Spicules	Siliceous debris	Dinoflagellates	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359D	9	2	68	221	0	67	33	10			45		5	7								30		3						Ma	diatom-rich silty clay
U1359D	9	3	29	223	0	92	8	50			25		2	15								6		2						Mi	clayey silt
U1359D	9	3	50	223	2	59	39	15			39		2	3							1	35		3					2	Ma	diatom-rich silty clay
U1359D	9	3	143	224	0	92	8	15			69		1	7								8								Mi	silty clay
U1359D	10	1	60	230	0	57	43	10		1	41		2	3								40		3						Ma	diatom-rich silty clay
U1359D	10	2	50	231	0	85	15	30	1	3	41		3	7								12		3						Ma	diatom-bearing silty clay
U1359D	10	3	100	233	2	90	8	20			52		10	8								8							2	Mi	silty clay
U1359D	11	2	15	240	0	73	27	20			46		2	5								25		2						Ma	diatom-rich silty clay
U1359D	11	3	93	242	0	90	10	25			57		3	5								10								Ma	diatom-bearing silty clay
U1359D	12	1	23	248	0	80	20	12			64			4								18		2						Ma	diatom-rich clay
U1359D	12	1	123	249	0	58	42	13		1	39			5								35		7						Ma	diatom-rich silty clay
U1359D	12	4	55	253	0	77	23	20	5	2	40		5	4								20		3				1		Mi	diatom-bearing silty clay
U1359D	12	CC	8	254	2	97	0	3			30					65													2	Mi	carboante cemented claystone
U1359D	13	1	20	258	3	68	29	10		1	54		1	2								25		4					3	Mi	diatom-rich silty clay
U1359D	13	2	90	260	1	64	35	15	2		45			2								30		5					1	Ma	diatom-rich silty clay
U1359D	13	4	14	262	0	100	0				55			1		44														Mi	carbonate cemented claystone
U1359D	14	1	31	268	3	79	18	17			58			4								15		3					3	Ma	diatom-bearing clay
U1359D	14	2	90	270	1	70	29	13	3		50			4								25		4					1	Ma	diatom-rich silty clay
U1359D	14	3	90	271	0	88	12	20	2		61			5								10		2						Mi	diatom-bearing silty clay
U1359D	14	CC	14	276	0	39	61	3			37			1		20			15			20		4						Mi	carbonate cemented nannofossil-bearing diatom-bearing clay
U1359D	15	2	125	280	2	73	25	20			49			4								20		5					2	Ma	diatom-bearing silty clay
U1359D	15	3	99	281	2	75	23	25	5		45			3								20		3					2	Ma	diatom-bearing silty clay
U1359D	15	5	80	283	2	74	24	20	1		50			3								20		4					2	Ma	diatom-bearing silty clay
U1359D	16	1	133	288	5	86	9	15			69			2								7		2					5	Ma	clay
U1359D	16	3	48	290	3	66	31	13			50			3								25		6					3	Mi	diatom-rich silty clay
U1359D	16	3	119	290	1	62	37	10			51			1								30		7					1	Ma	diatom-rich clay
U1359D	16	5	105	293	0	58	42	10			47			1								40		2						Mi	diatom-rich silty clay
U1359D	17	1	37	296	4	92	4	12			76			4								4							4	Ma	clay
U1359D	17	2	111	299	2	67	35	20		1	40			2								35							2	Ma	diatom-rich silty clay
U1359D	17	4	20	300	3	81	16	20	3	1	53			3		1						15		1					3	Mi	diatom-bearing silty clay
U1359D	18	1	127	307	2	62	36	12	3	2	44			1								35		1					2	Ma	Diatom-rich silty clay
U1359D	18	2	19	307	5	63	35	20			38			2								35							5	Mi	Diatom-rich silty clay

Samples					Texture			Mineral										Biogenic										Rock		Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Pyrite	Opaque minerals	Carbonate	Micrite	Foraminifers	Nannofossils	Calcareous sponge spicules	Radiolarians	Diatoms	Silicoflagellates	Spicules	Siliceous debris	Dinoflagellates	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359D	18	3	35	309	5	87	8	25	1		57			4								8							5	Ma	silty clay
U1359D	18	5	18	312	0	80	20	1			38			40		1						20								Mi	pyritized diatom ooze
U1359D	19	1	48	316	1	77	22	6			70				1							16		6					1	Ma	Diatom-bearing clay
U1359D	19	1	139	316	2	52	46	20	2		30											30	1	15					2	Ma	Diatom-rich silty clay
U1359D	19	3	60	319	1	89	10	10			78				1							5		5					1	Ma	Clay
U1359D	19	4	44	320	1	54	45	16	2		34			1		1						34	1	10					1	Ma	Diatom-rich silty clay
U1359D	20	1	41	325	0	90	10	14			75				1							5		5						Ma	Clay
U1359D	20	1	135	326	0	54	46	15	1		37			1								35	1	10						Ma	Diatom-rich silty clay
U1359D	20	3	82	329	0	54	46	16			36			1		1						30		16						Ma	Diatom-rich silty clay
U1359D	20	4	39	330	0	78	22	11			66				1							11		11						Ma	Biosilicous Clay
U1359D	21	1	24	335	2	61	37	10			46		2	3								35		2					2	Ma	diatom-rich silty clay
U1359D	21	1	94	335	1	83	16	20			55		5	3								15		1					1	Ma	diatom-bearing silty clay
U1359D	21	2	94	337	2	89	9	20			63		3	3								8		1					2	Ma	silty clay
U1359D	22	1	50	344	0	92	8	15			69		5	3								7		1						Ma	silty clay
U1359D	22	3	30	347	0	62	38	20	1	1	30		5	5								35		3						Ma	diatom-rich silty clay
U1359D	23	1	60	354	0	87	13	10			65		2	5		5			5			7		1						Ma	clay
U1359D	23	2	60	356	0	62	38	10			34		3	5		10			15			20		3						Ma	diatom and nannofossil-bearing clay
U1359D	23	3	15	357	0	93	7	10			74		2	7								7								Ma	clay
U1359D	24	2	28	365	0	62	38	15			40		2	5								35		3						Ma	diatom-rich silty clay
U1359D	24	3	65	366	0	89	11	15			66		3	5					3			7		1						Ma	clay
U1359D	24	6	130	372	0	24	76	5			10		2	2		5			60			15		1						Ma	diatom-bearing nannofossil ooze
U1359D	25	1	14	373	0	24	76	3			10		1	2		8			60			15		1						Ma	diatom-bearing nannofossil ooze
U1359D	25	1	56	373	1	90	9	15			69		3	3								8		1					1	Ma	clay
U1359D	29	1	65	411	0	65	35	8			41		3	5		8			12			20		3						Ma	diatom and nonnofossil-bearing clay
U1359D	29	CC	10	413	0	90	10	8			70		2	7		3			3			7								Ma	clay
U1359D	30	1	35	421	0	92	8	15		1	70		3	3								8								Ma	clay
U1359D	32	1	105	441	0	67	33	20		1	38		3	5								30		3						Ma	diatom-rich silty clay
U1359D	32	3	70	443	1	90	9	25			50		5	10								8		1					1	Ma	silty clay
U1359D	33	2	30	451	0	72	28	20			46		3	3								25		3						Ma	diatom-rich silty clay
U1359D	33	4	100	455	0	77	23	40	5	2	12		8	10								20		3						Ma	diatom-bearing silt
U1359D	33	6	14	456	5	85	10	15			63			4		3						10							5	Ma	diatom-bearing silty clay
U1359D	34	1	100	460	1	91	8	13		1	73			4								8							1	Ma	clay

Samples					Texture			Mineral										Biogenic										Rock		Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Pyrite	Opaque minerals	Carbonate	Micrite	Foraminifers	Nannofossils	Calcareous sponge spicules	Radiolarians	Diatoms	Silicoflagellates	Spicules	Siliceous debris	Dinoflagellates	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359D	34	2	95	461	1	59	40	22	1		33			3								35		5					1	Ma	diatom-rich silty clay
U1359D	34	4	50	464	2	76	22	30	10	5	30			7								20		2					2	Mi	diatom-bearing clayey silt
U1359D	35	1	22	468	0	99	1	3			50			2		44						1								Mi	carbonate cemented clay
U1359D	35	1	52	469	1	96	3	8		1	84			2		1						3							1	Ma	clay
U1359D	35	3	111	472	3	77	20	25	1	2	48			1								20							3	Ma	diatom-bearing silty clay
U1359D	36	1	50	478	0	91	9	7			80			4					3			6								Ma	clay
U1359D	36	CC	13	481	1	95	4	3			47					45						3		1					1	Mi	carbonate cemented clay
U1359D	37	2	68	490	0	89	11	15	1	1	64			6		2			3			8								D	silty clay
U1359D	38	1	33	497	1	97	2	5			87			3		2						2							1	Ma	clay
U1359D	38	1	113	498	8	60	32	20			37			3								30		2					8	Ma	diatom-rich silty clay
U1359D	39	1	16	507	4	90	6	25	2	5	50			8								6							4	Ma	silty clay
U1359D	39	1	16	507	1	90	9	30	7	7	40			6								6		3					1	Mi	clayey silt
U1359D	39	3	59	510	3	82	15	20		2	59			1								15							3	Mi	diatom-bearing silty clay
U1359D	39	3	128	511	4	76	20	18			54			4								20							4	Ma	diatom-bearing silty clay
U1359D	40	1	33	517	2	91	7	20	2	2	63			4								7							2	Ma	silty clay
U1359D	40	1	90	517	2	97	1	2			48			2		45						1							2	Mi	carbonate cemented clay
U1359D	40	3	78	520	1	78	21	17	1		58			2								20		1					1	Ma	diatom-bearing silty clay
U1359D	41	1	20	526	4	76	20	25	3	2	44			2								20							4	Ma	diatom-bearing silty clay
U1359D	41	1	65	526	8	72	20	25		3	38			4		2						20							8	Ma	diatom-bearing silty clay
U1359D	41	1	117	527	6	76	28	20	1	3	38			4								28							6	Ma	diatom-rich silty clay
U1359D	41	2	121	529	6	92	2	17			71			4								2							6	Ma	silty clay
U1359D	41	2	149	529	2	97	1	7			48			7		35						1							2	Mi	carbonate cemented clay
U1359D	42	1	13	536	4	90	6	10			73			6		1						6							4	D	clay
U1359D	42	3	78	539	5	82	13	20	2	3	56			1								10		3					5	Ma	diatom bearing silty clay
U1359D	43	1	62	546	1	79	20	57			20				1	1						20							1	Mi	diatom-bearing clayey silt
U1359D	43	1	65	546	1	77	22	5	1		70											20		2				1	1	D	diatom-bearing clay
U1359D	43	3	63	549	0	77	23	10			65			1	1							22		1						D	diatom-bearing silty clay
U1359D	44	1	61	555	3	81	16	20		1	54		3	3								15		1					3	Mi	diatom-bearing silty clay
U1359D	44	1	72	555	3	70	27	25		1	35		4	5								25		2					3	Ma	diatom-rich silty clay
U1359D	44	2	89	556	2	89	9	20		1	60		5	3								8		1					2	Ma	silty clay
U1359D	44	3	41	558	3	88	9	15			65		5	3								8		1					3	Ma	silty clay
U1359D	45	1	35	564	2	76	22	25	1		40		7	3								20		2					2	Ma	diatom-bearing silty clay

Samples					Texture			Mineral										Biogenic										Rock		Lithology	
Site	Core	Section	Depth in section (cm)	Depth (m)	% Volcanic sediments	% Terrigenous sediments	% Biogenic sediments	Quartz	Feldspar	Micas	Clay	Glauconite	Ferromagnesian minerals	Pyrite	Opaque minerals	Carbonate	Micrite	Foraminifers	Nannofossils	Calcareous sponge spicules	Radiolarians	Diatoms	Silicoflagellates	Spicules	Siliceous debris	Dinoflagellates	Fish remains	Rock fragments	Volcanic glass	Lithology abundance	Lithology name
U1359D	45	2	75	566	1	82	17	25	1		41		10	5								15		2					1	Ma	diatom-bearing silty clay
U1359D	46	1	6	573	0	100	0	1			3						96													Ma	Limestone
U1359D	46	1	30	574	0	98	2	10			80		3	5								1		1						Ma	clay
U1359D	46	1	95	574	3	88	9	20			53		5	8		2						8		1					3	Ma	silty clay
U1359D	46	2	14	575	2	87	11	15			51		10	8		3						10		1					2	Ma	diatom-bearing silty clay
U1359D	47	2	100	586	1	76	23	20		1	47		3	5							1	20		2					1	Ma	diatom-bearing silty clay
U1359D	47	4	120	589	3	86	11	15		1	55		7	8								10		1					3	Ma	diatom-bearing silty clay
U1359D	48	1	111	594	1	90	9	20			62		3	5								8		1					1	Ma	silty clay
U1359D	48	3	40	596	1	92	7	20			60		5									7							1	Ma	silty clay