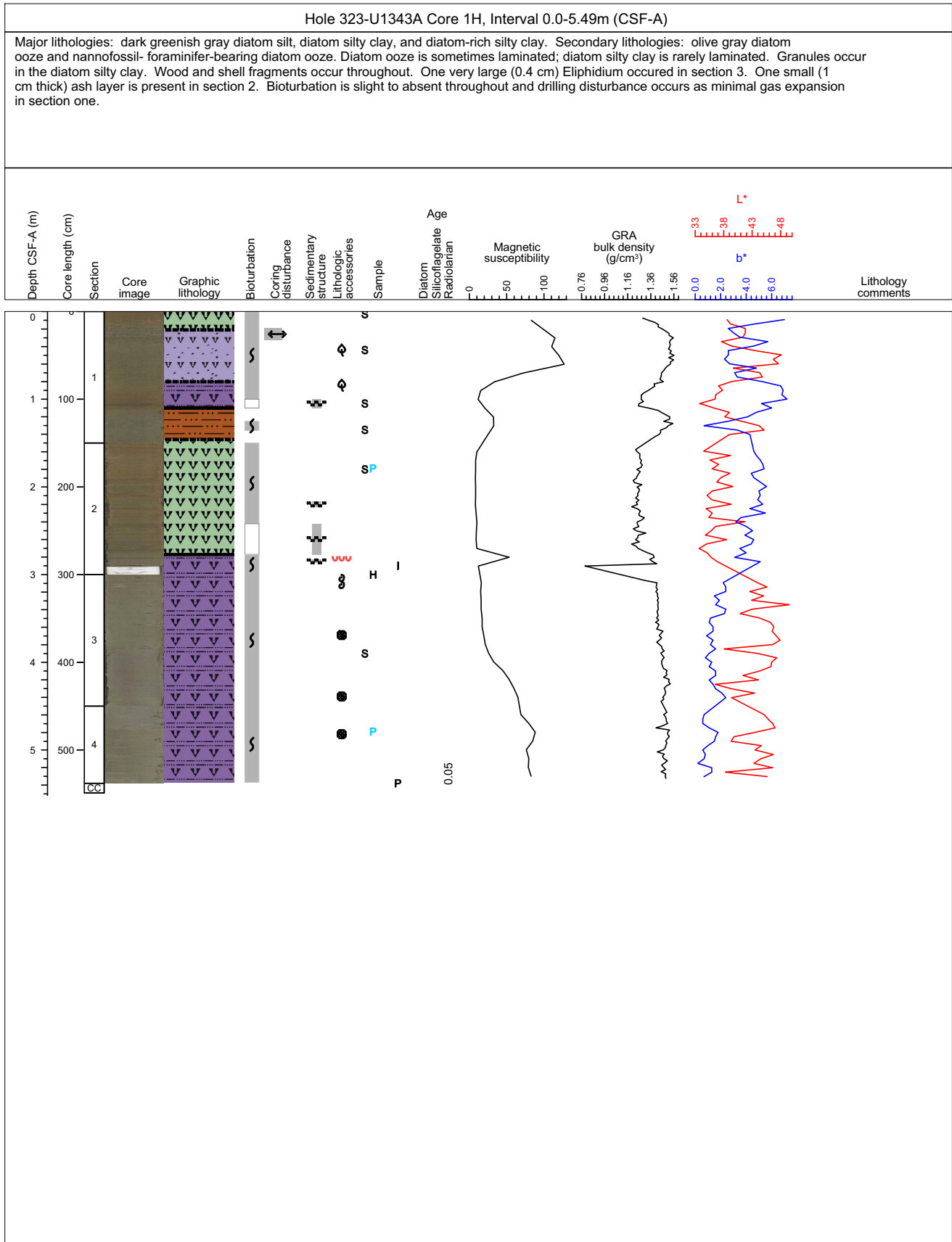


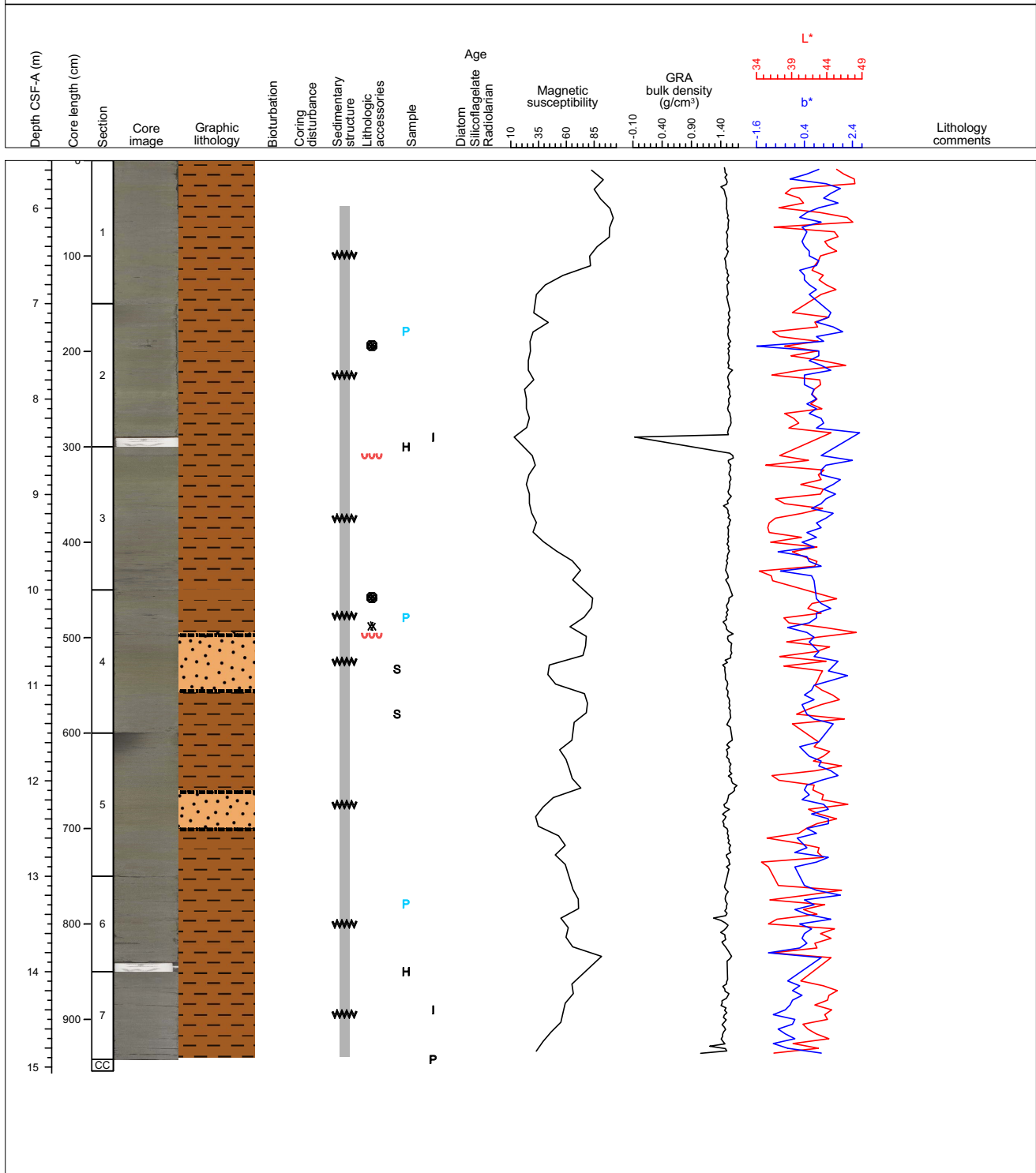
Core Photo



Core Photo

Hole 323-U1343A Core 2H, Interval 5.5-15.04m (CSF-A)

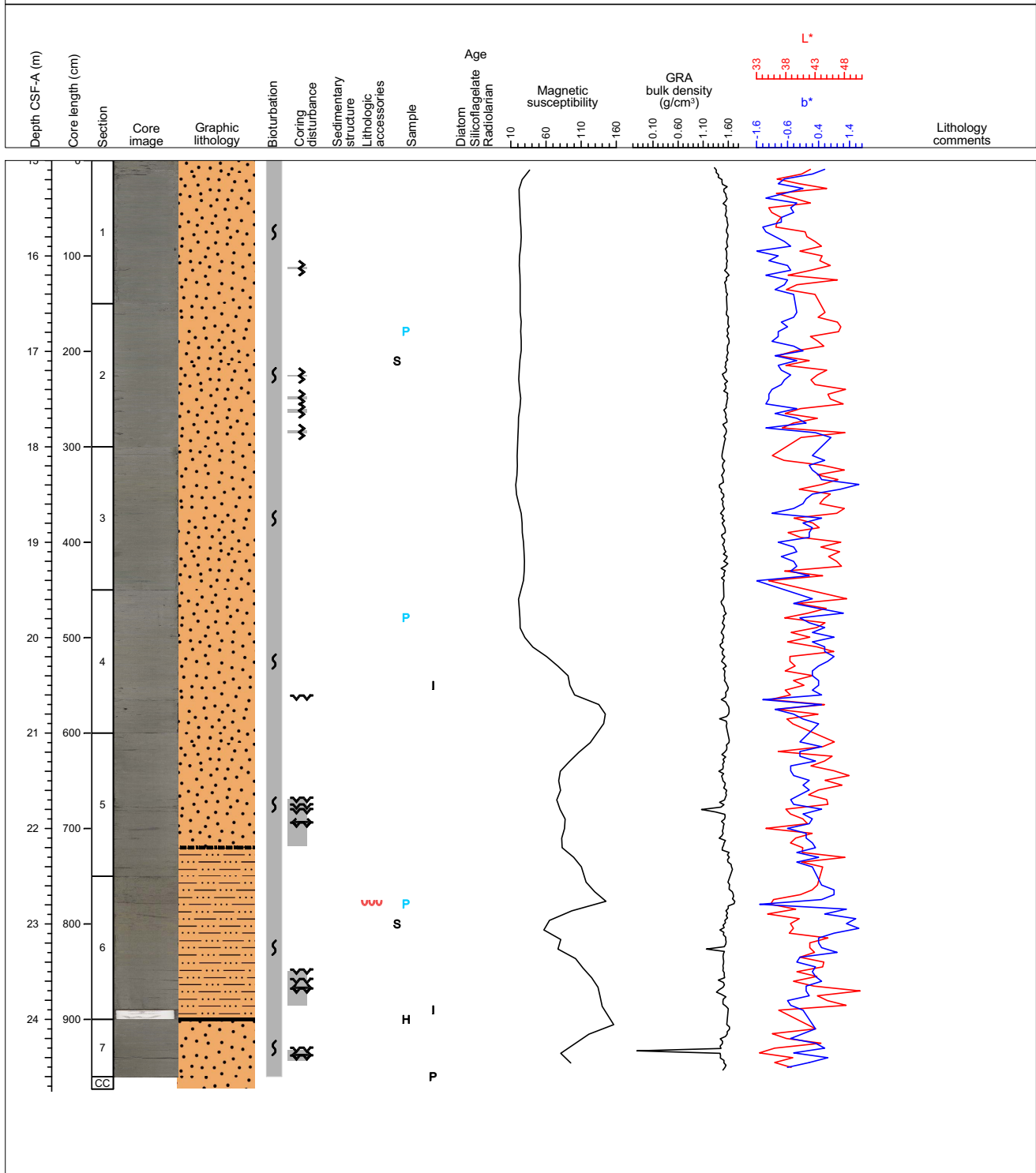
The main lithology is slightly mottled very dark greenish gray diatom-bearing clay. Two darker colored beds composed of diatom-bearing foraminifer-rich silt occur in sections 4 and 5. Pebbles were observed in sections 2 and 4 and a volcanic ash layer on top of section 3. Drilling disturbance is minimal. Just after splitting, the core emitted a strong smell resembling hydrogen sulfide.



Core Photo

Hole 323-U1343A Core 3H, Interval 15.0-24.73m (CSF-A)

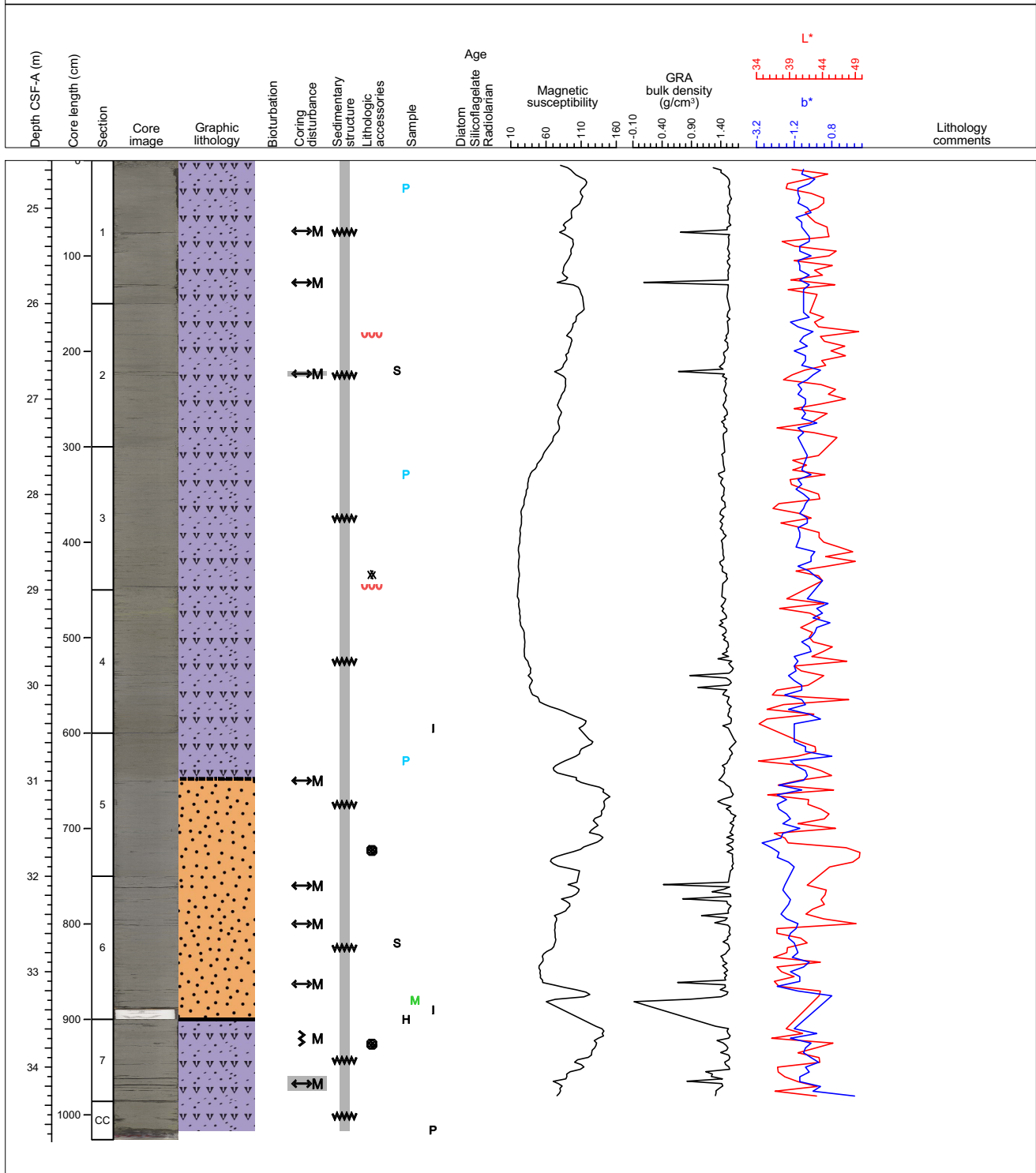
Major lithologies: very dark greenish gray diatom-bearing silt and dark greenish gray diatom clayey silt. The boundary between the two is gradational and marked by a visual change in grain size. A coarse ash layer is present in section 6 and dark ash occurs as mottles throughout. Bioturbation is slight throughout the core and drilling disturbance is characterized by punctures and cracks due to gas expansion.



Core Photo

Hole 323-U1343A Core 4H, Interval 24.5-34.76m (CSF-A)

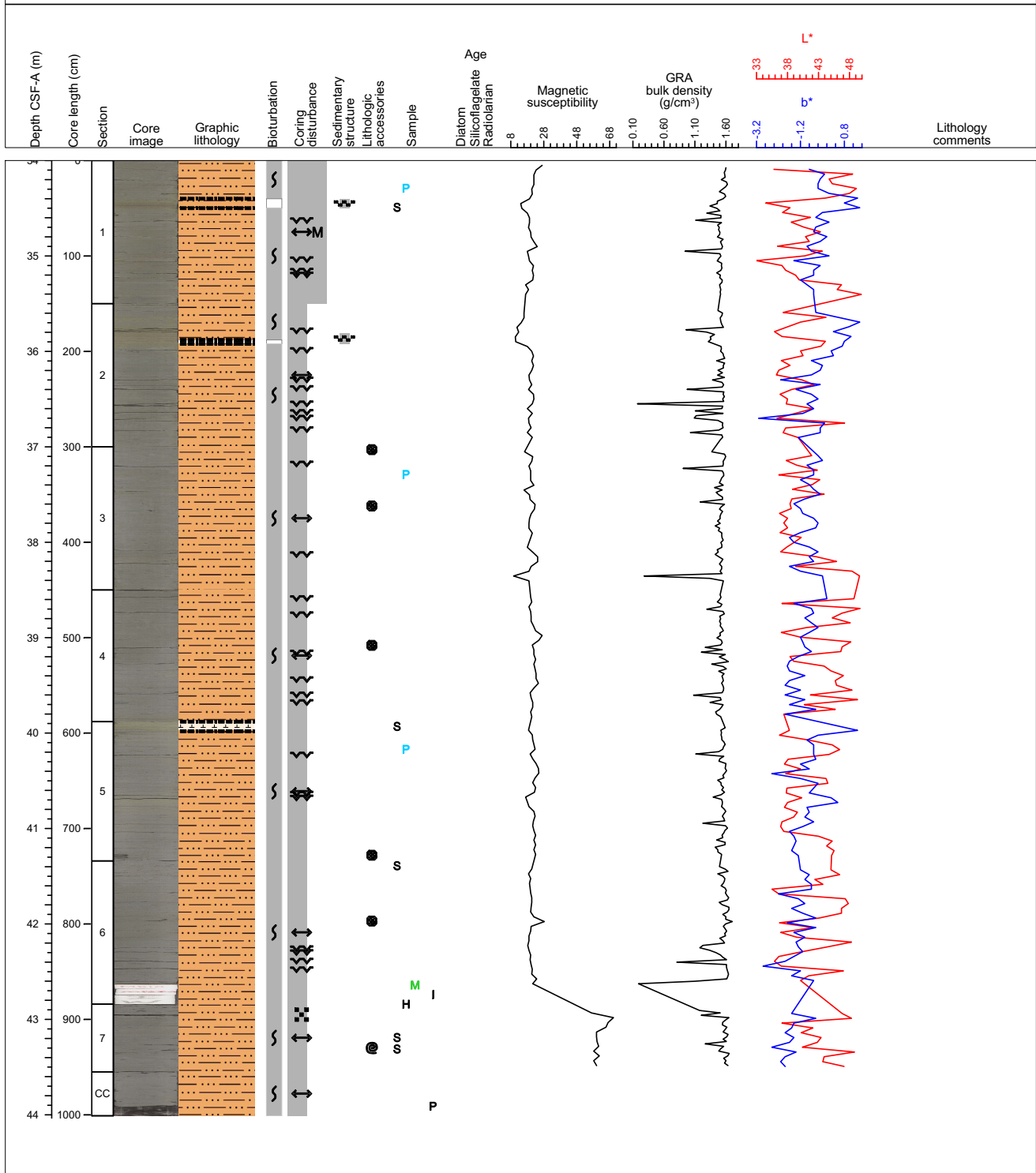
The main lithology is very dark greenish gray, slightly mottled diatom silt. The minor lithology occurs only in sections 5 and 6 and is dark gray diatom-rich silt. A black pebble occurs at the top of section 7. Drilling disturbance is characterized by punctures and cracks at the top and bottom of the core.



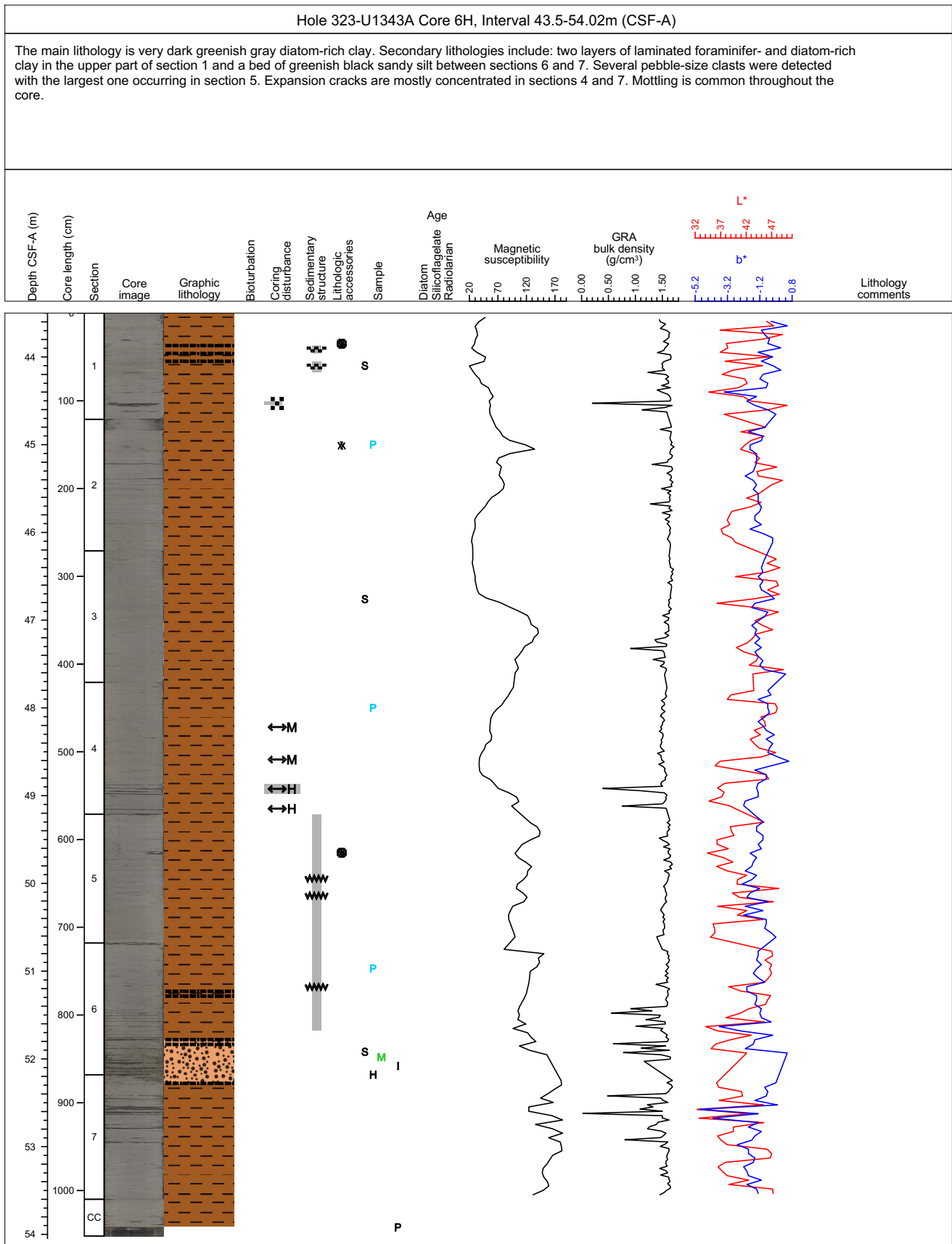
Core Photo

Hole 323-U1343A Core 5H, Interval 34.0-44.01m (CSF-A)

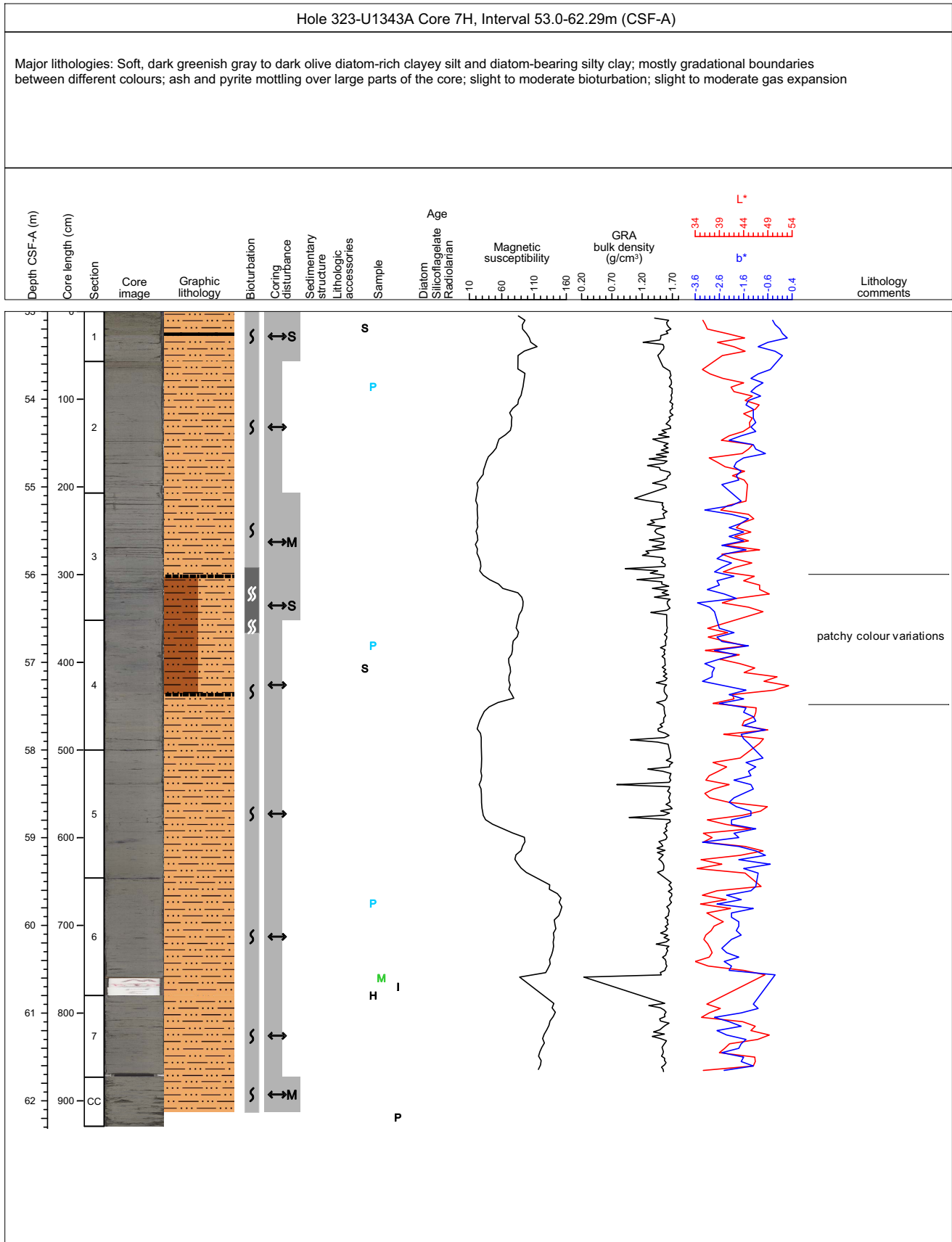
Major lithologies: very dark greenish gray clayey silt. Secondary lithologies: dark greenish gray coccolith ooze and dark greenish gray foraminifer- and nannofossil-rich, diatom-bearing clay. Boundaries between lithologies are gradational. Laminations occur in the coccolith ooze and diatom-bearing clay. Granules occur throughout and one large pebble is found in section 5. A pyrite nodule occurs in section 7. The core is heavily cracked due to gas expansion.



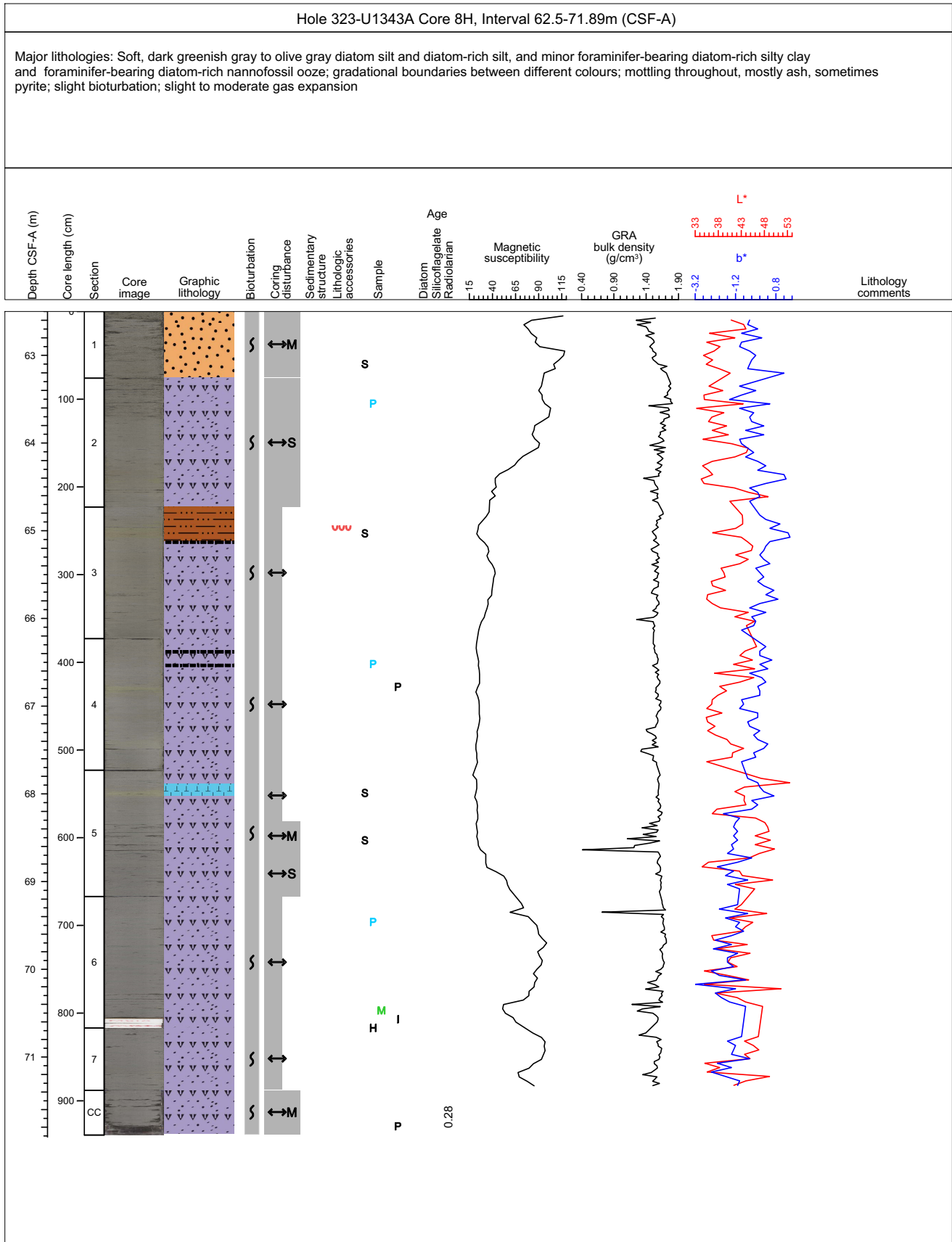
Core Photo



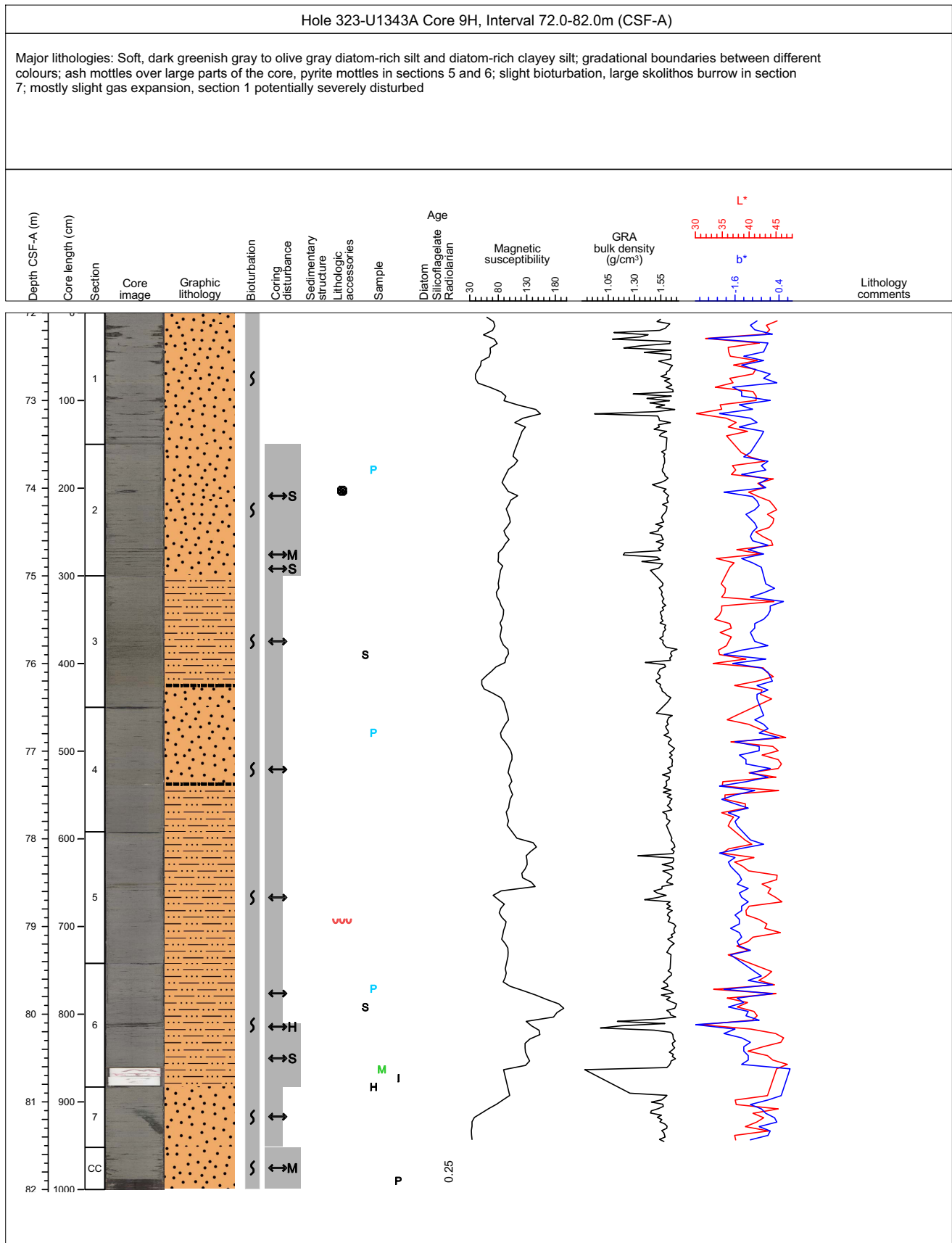
Core Photo



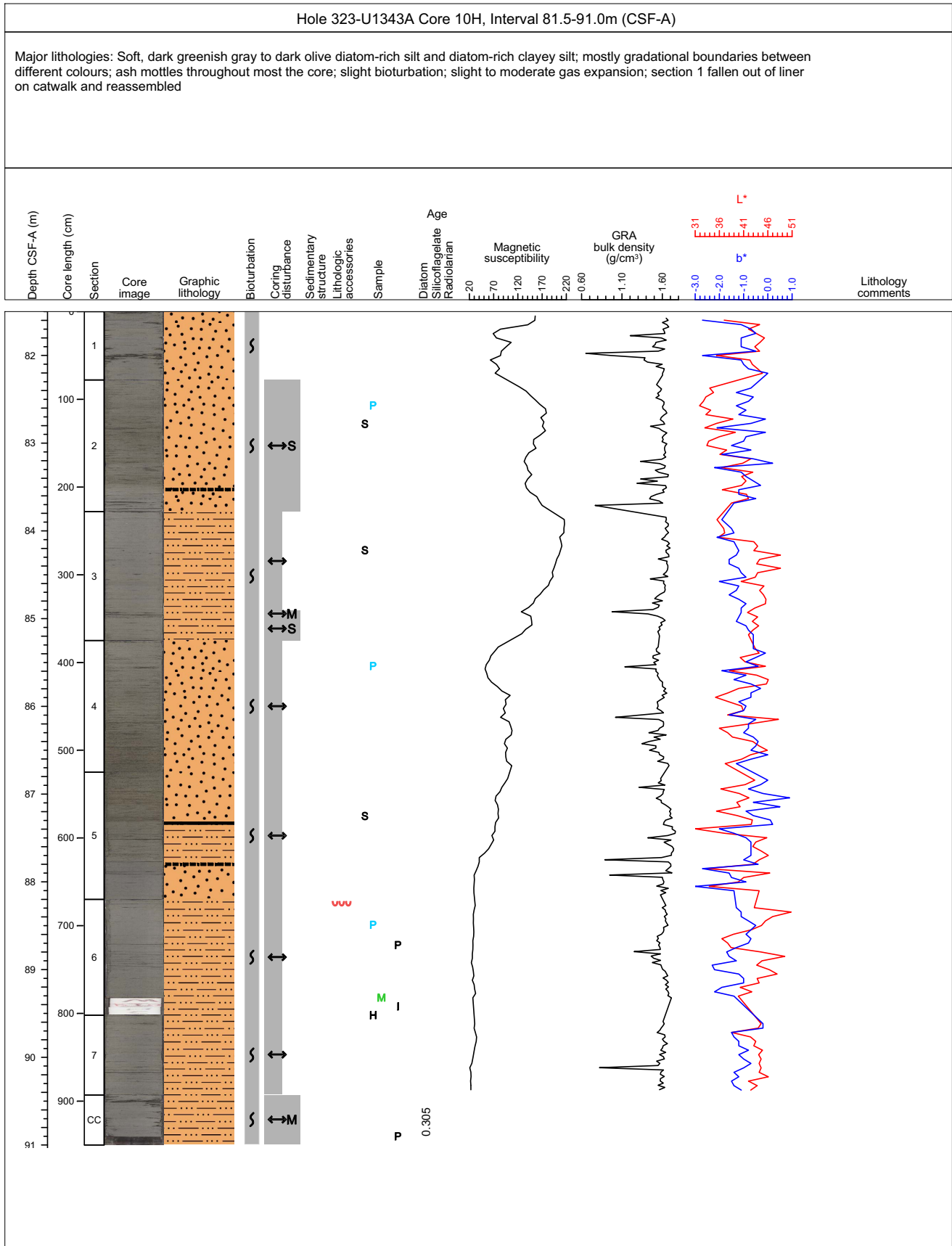
Core Photo



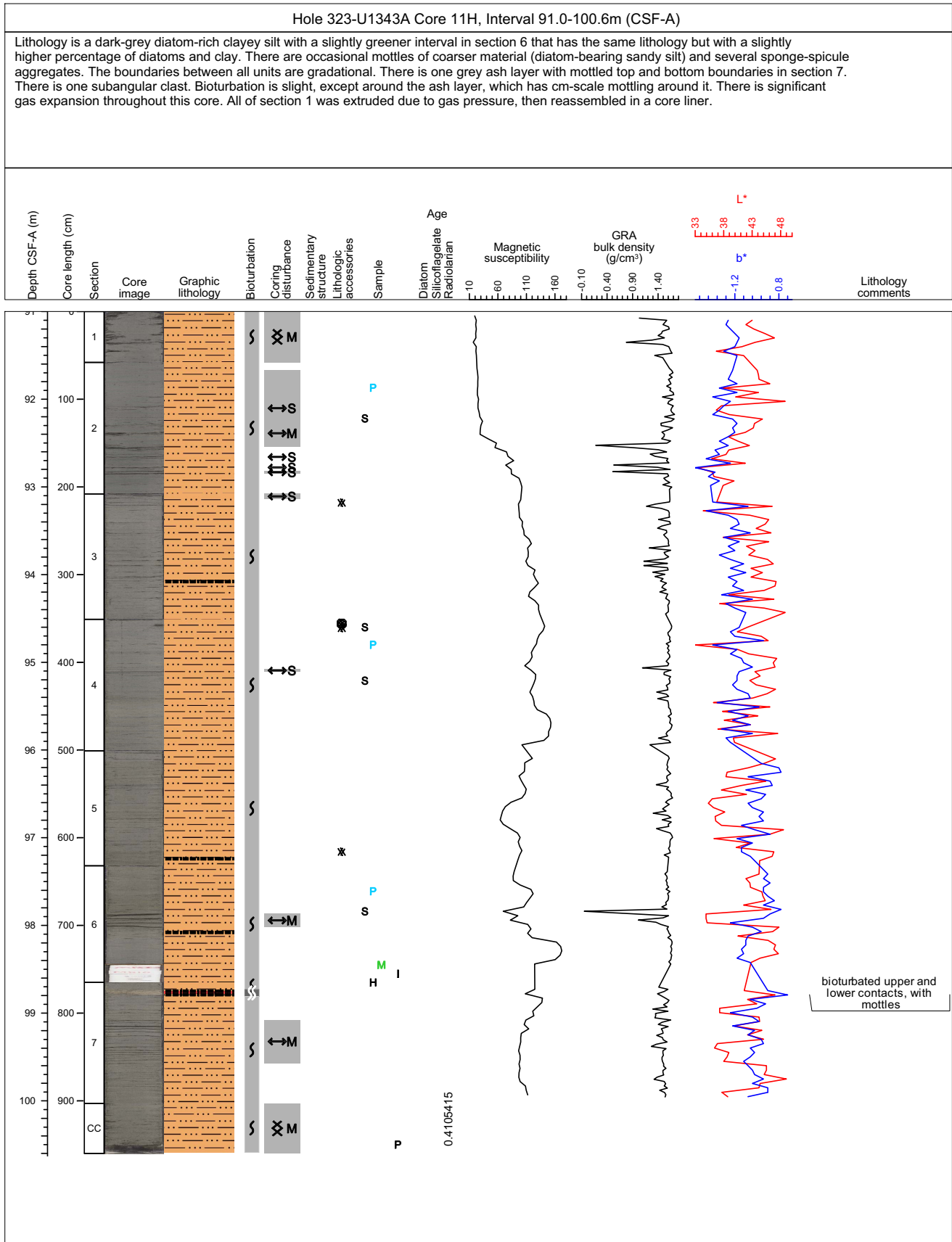
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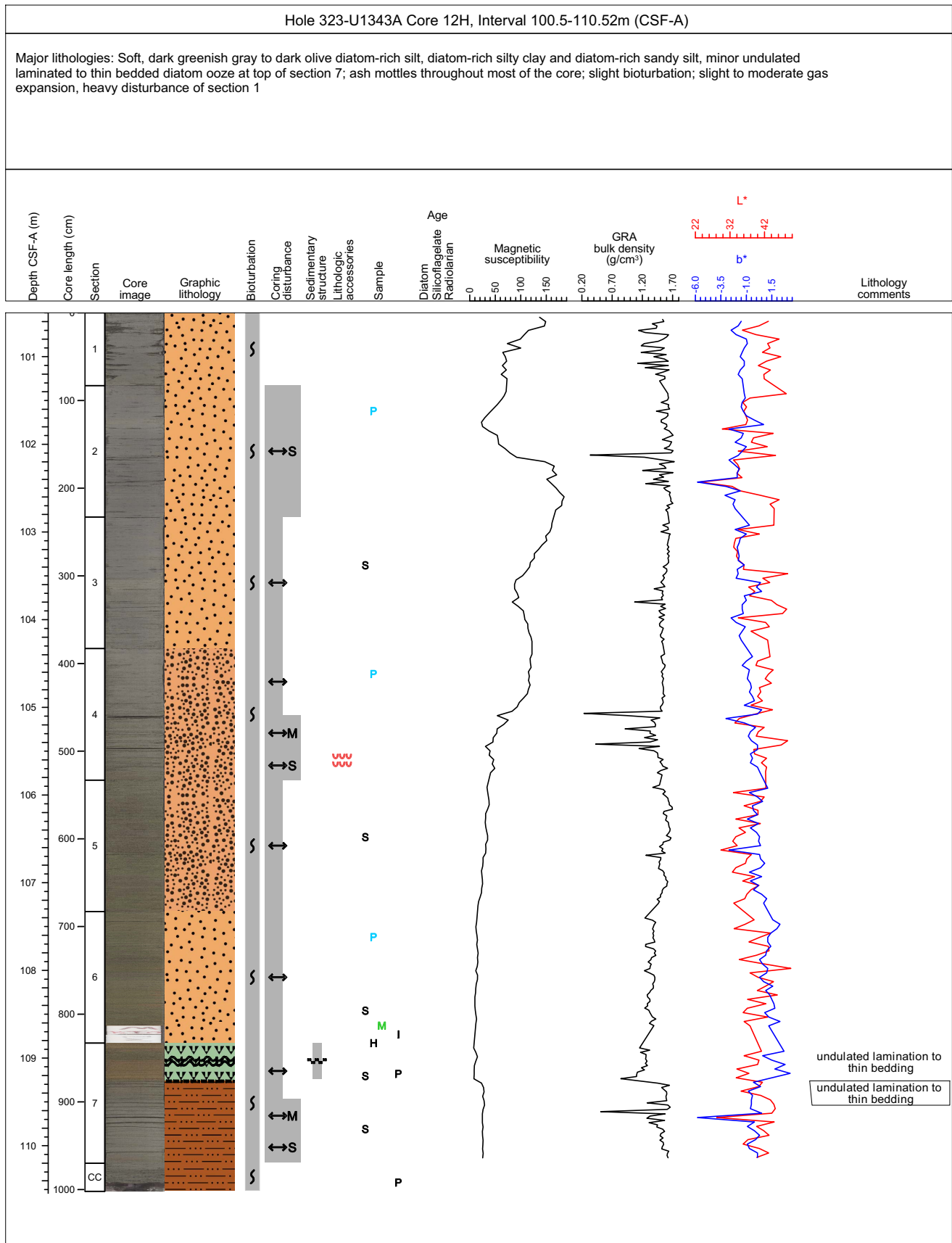
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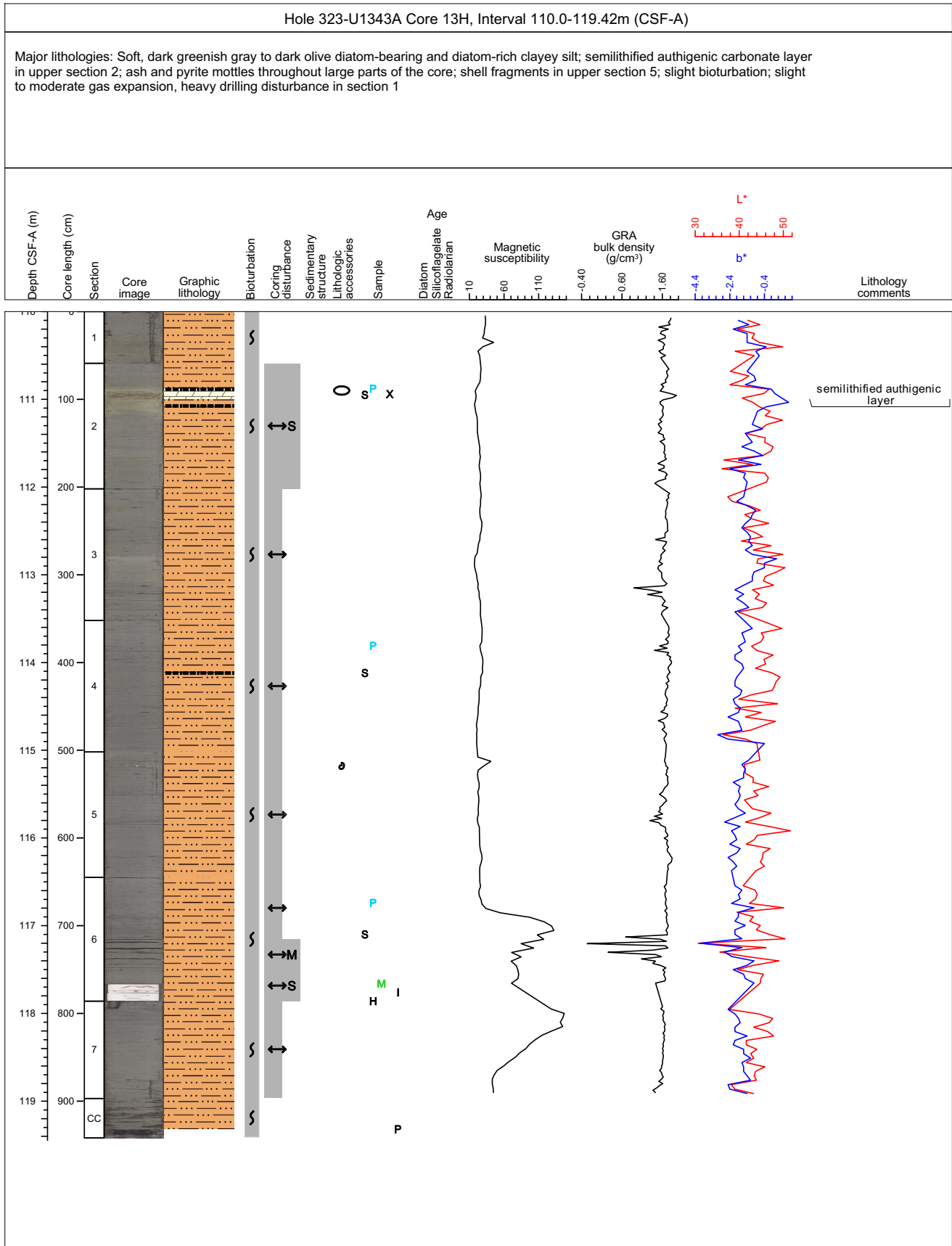
Core Photo



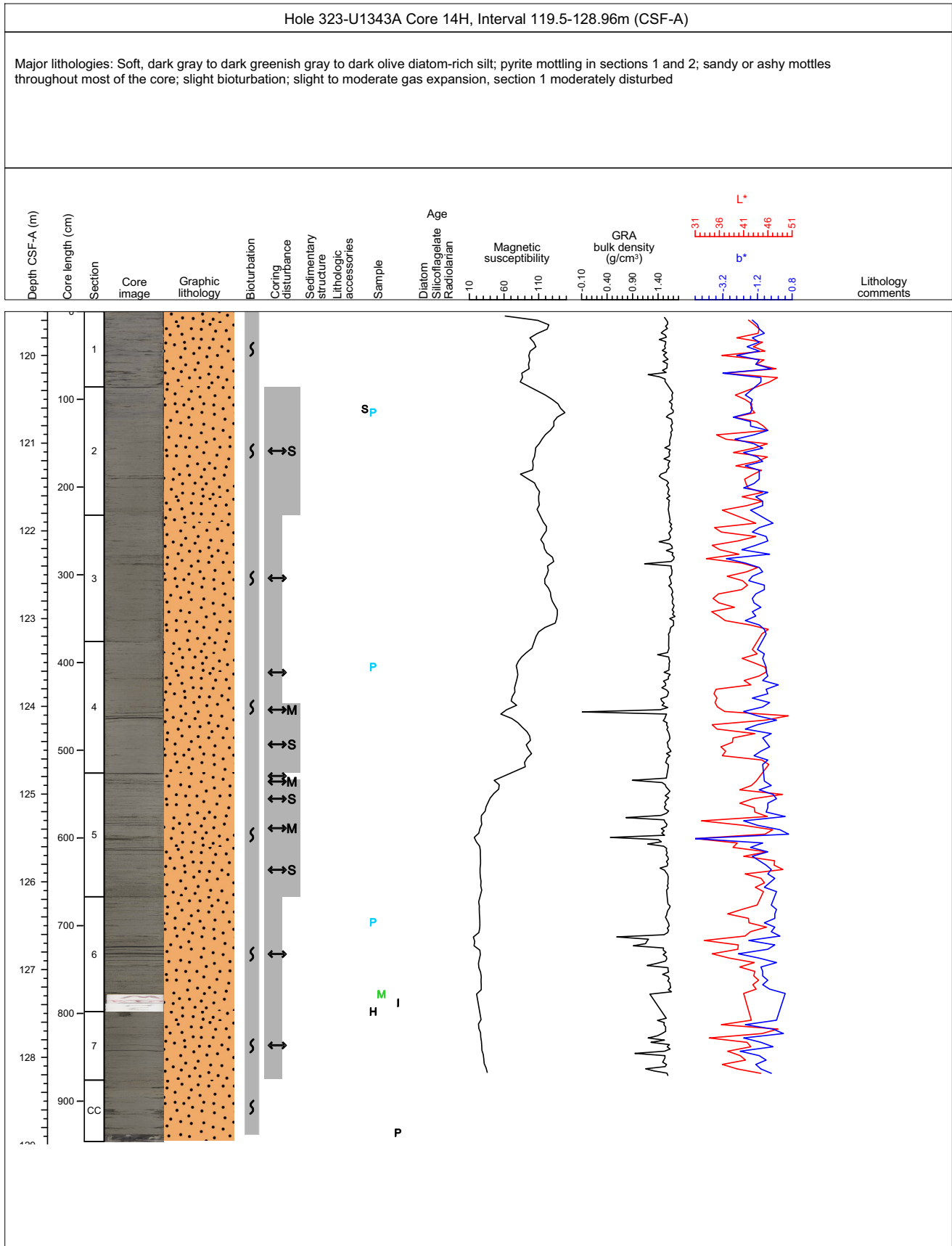
Core Photo



Core Photo



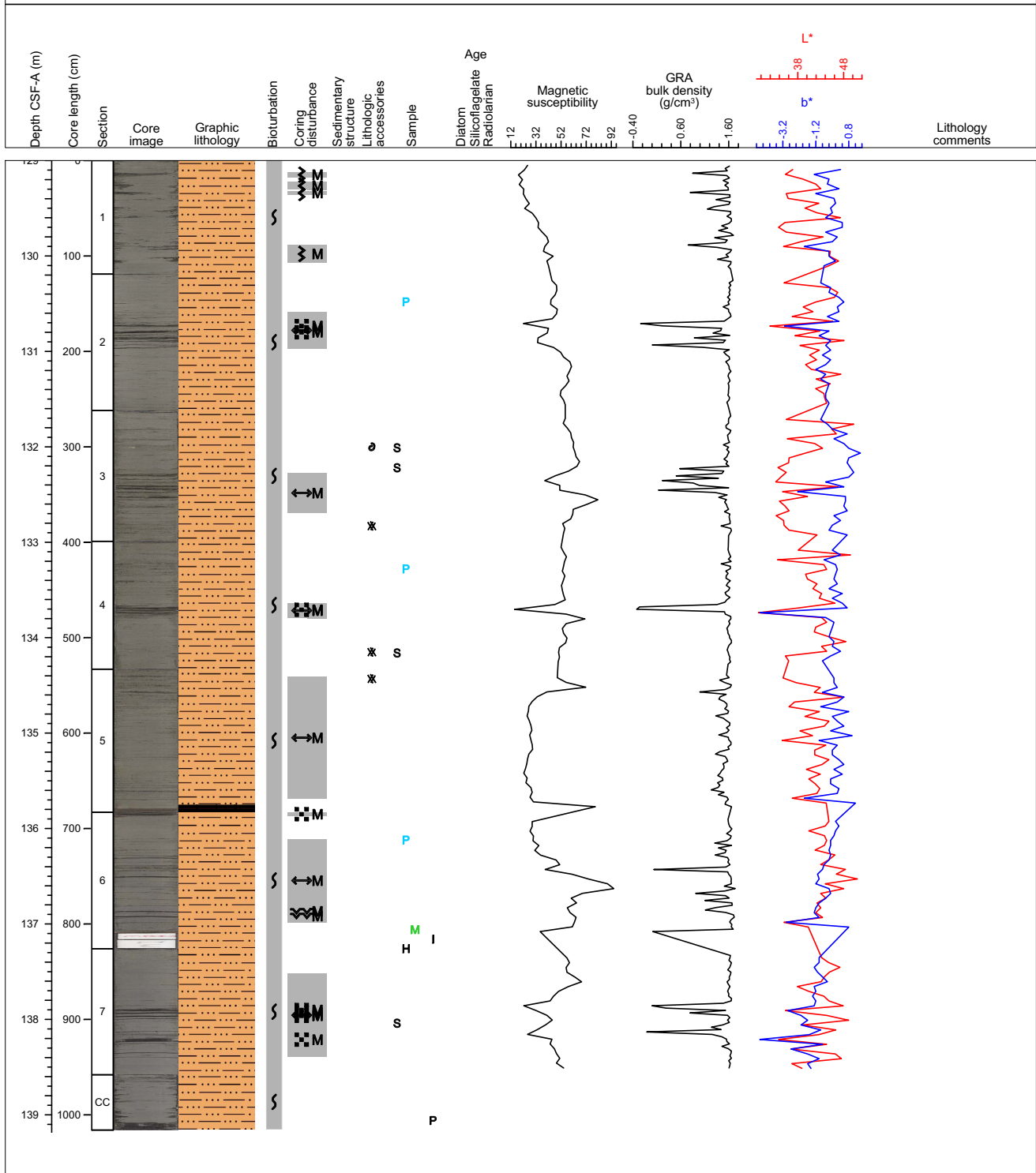
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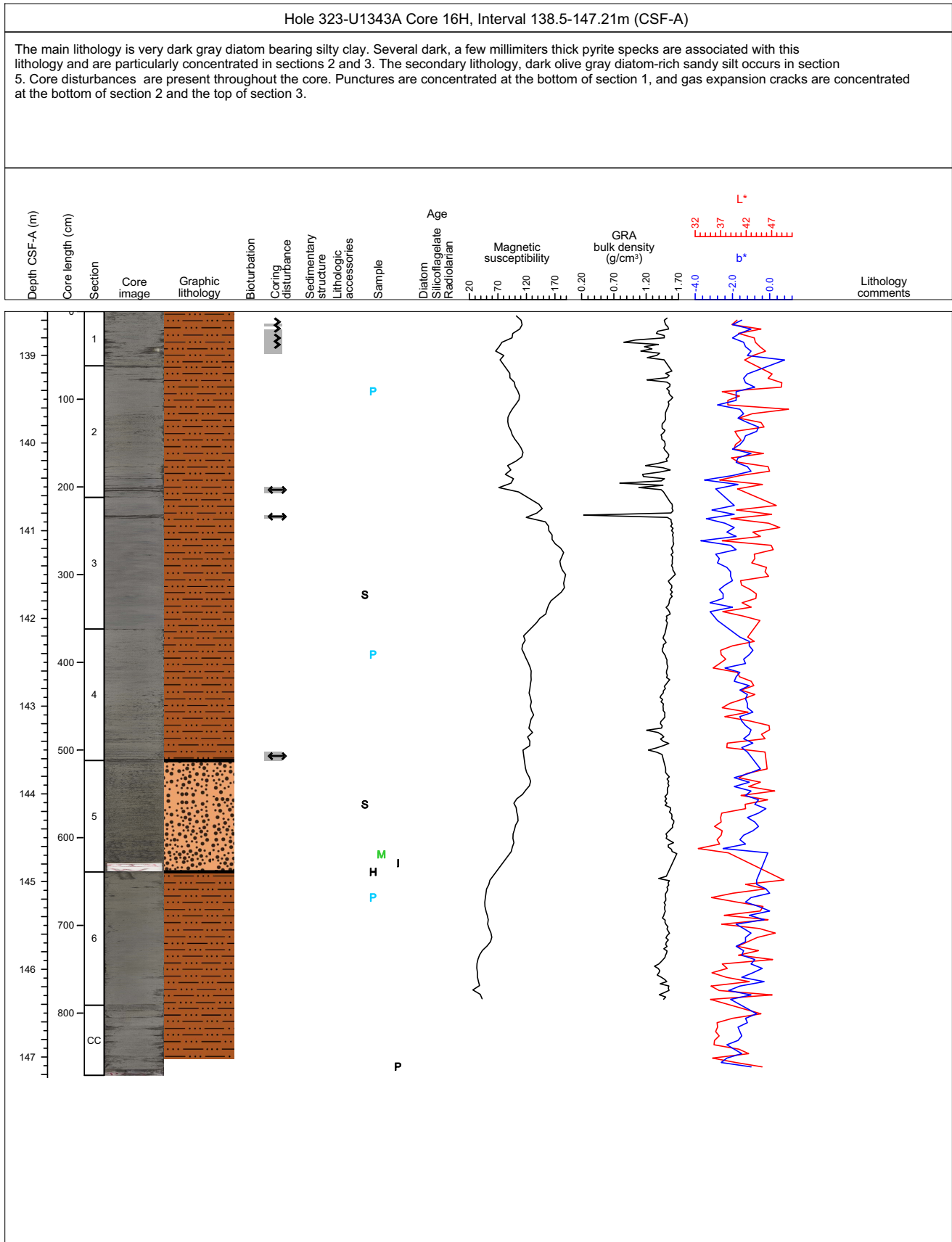
Core Photo

Hole 323-U1343A Core 15H, Interval 129.0-139.16m (CSF-A)

Major lithology: dark greenish gray diatom-rich clayey silt. One black ash layer occurs at the base of section 5. It has a slightly bioturbated sharp upper contact and a very sharp lower contact. A mollusc fragment was found in section 3. Bioturbation is slight throughout and gas expansion caused the core to crack throughout.



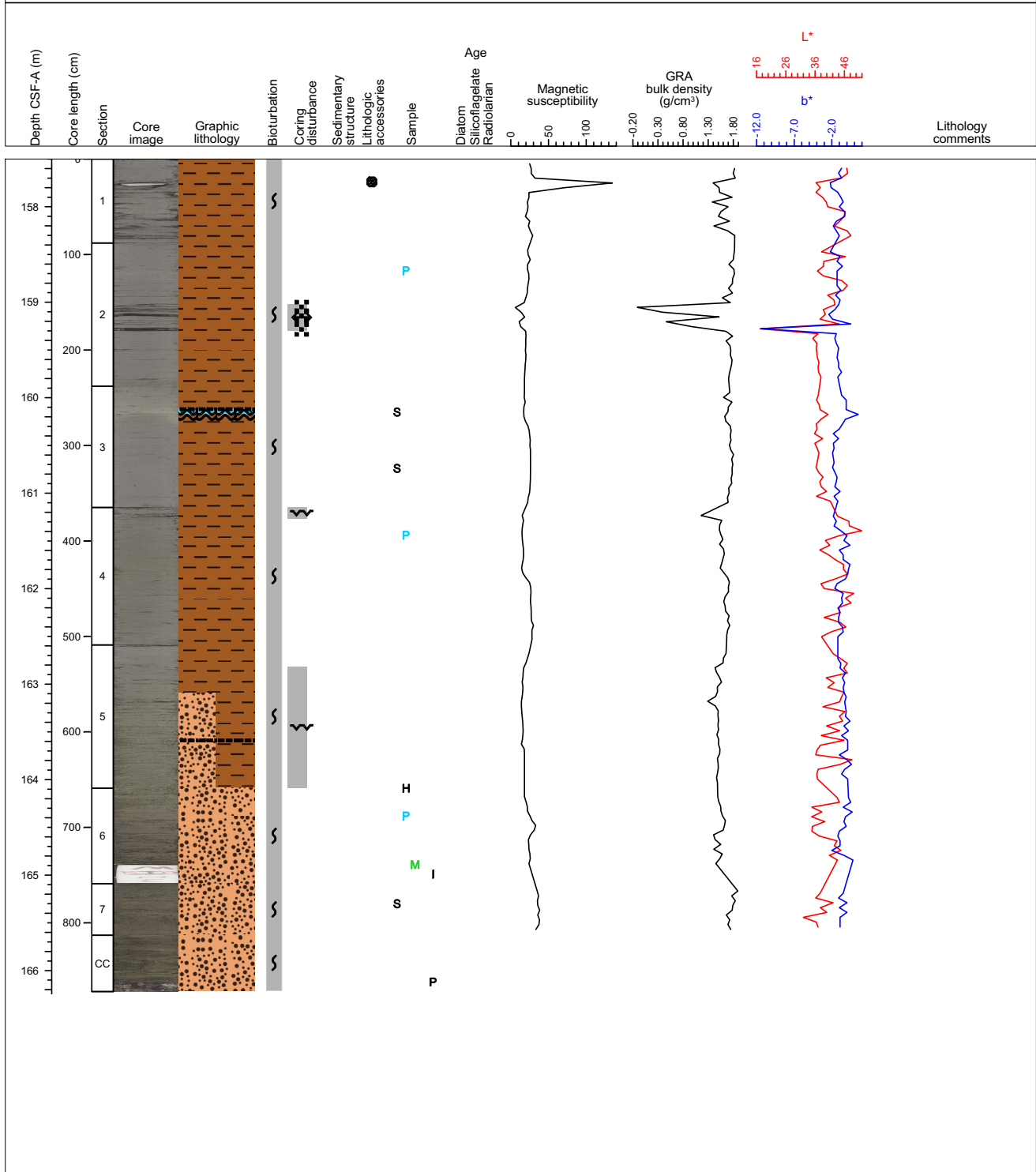
Core Photo



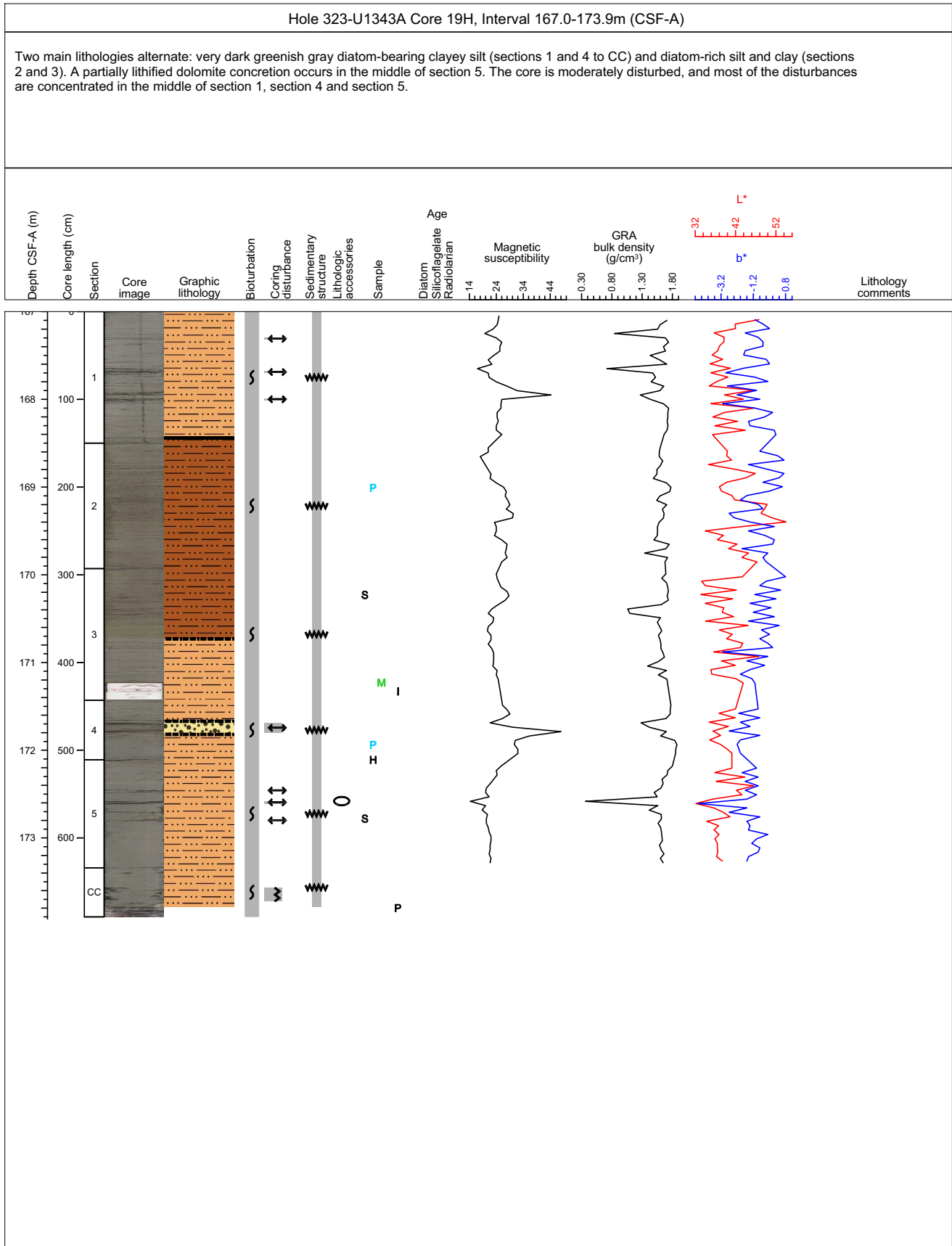
Core Photo

Hole 323-U1343A Core 18H, Interval 157.5-166.22m (CSF-A)

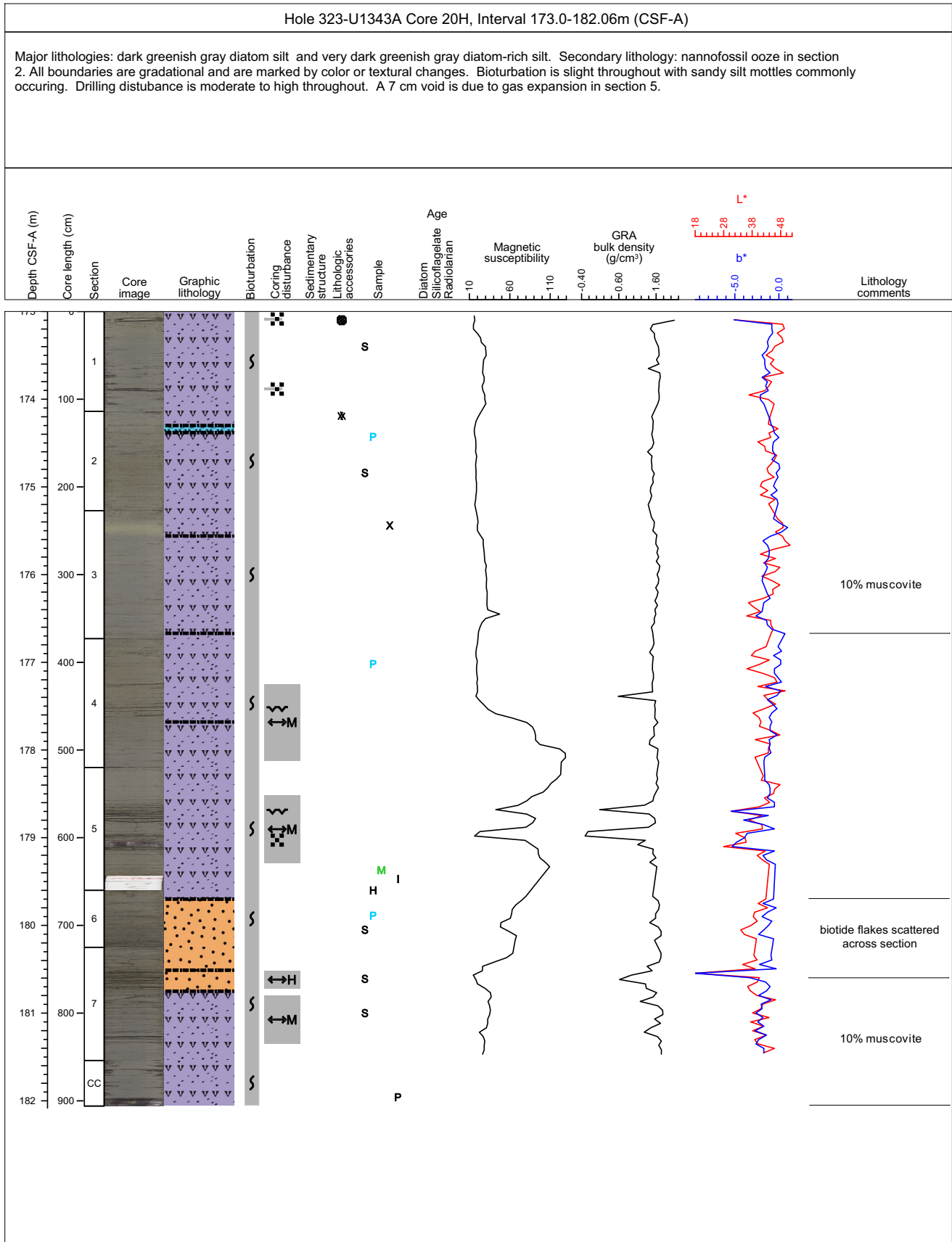
Major lithologies: very dark greenish gray clay and diatom-bearing sandy silt. Secondary lithology: dark greenish gray diatom-bearing nannofossil ooze. Boundaries are gradational. The lower nannofossil ooze boundary is undulating and possibly smeared due to bioturbation or drilling disturbance. Bioturbation is slight throughout the core and drilling disturbance is significant especially in sections 1, 2, 6, 7, and CC.



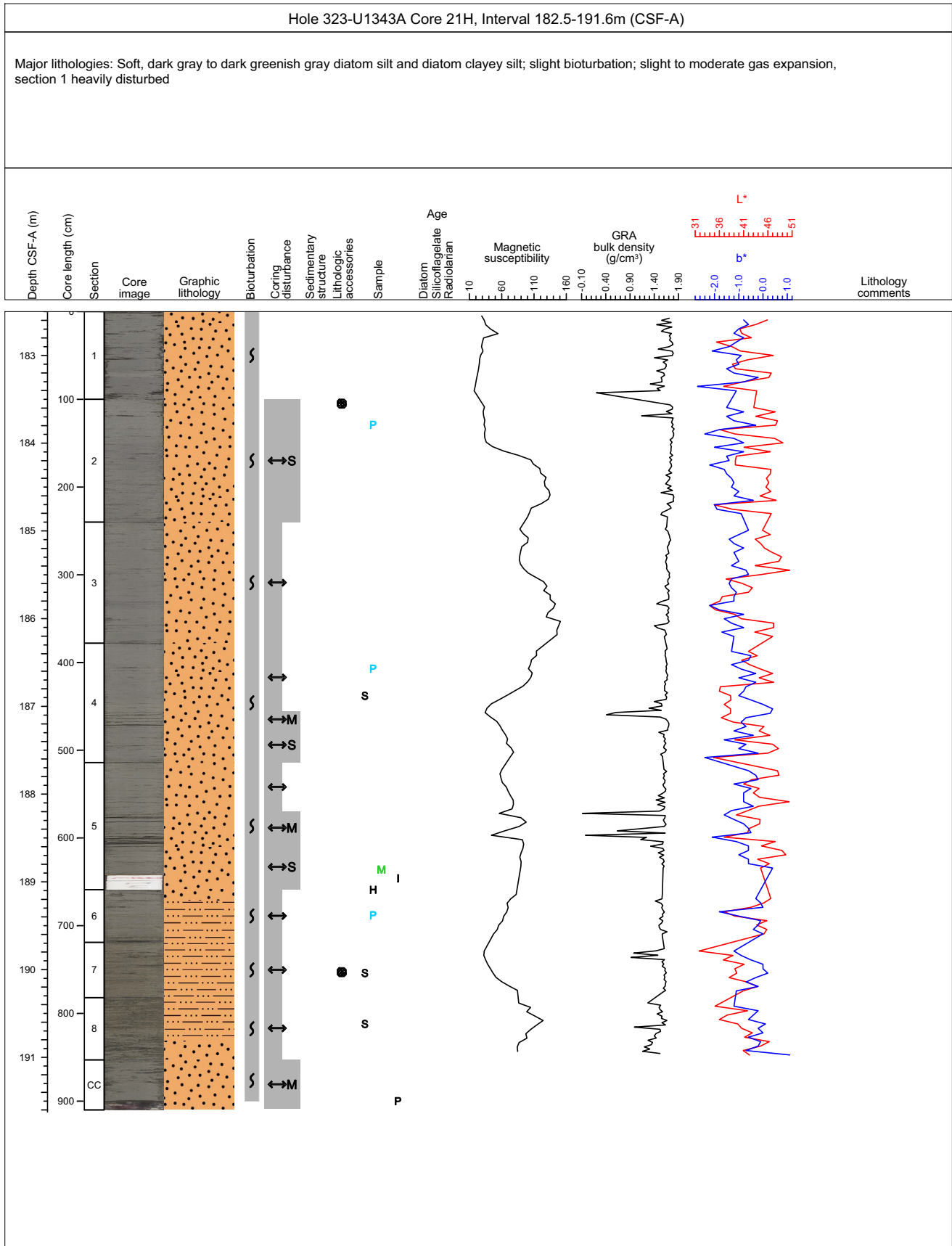
Core Photo



Core Photo



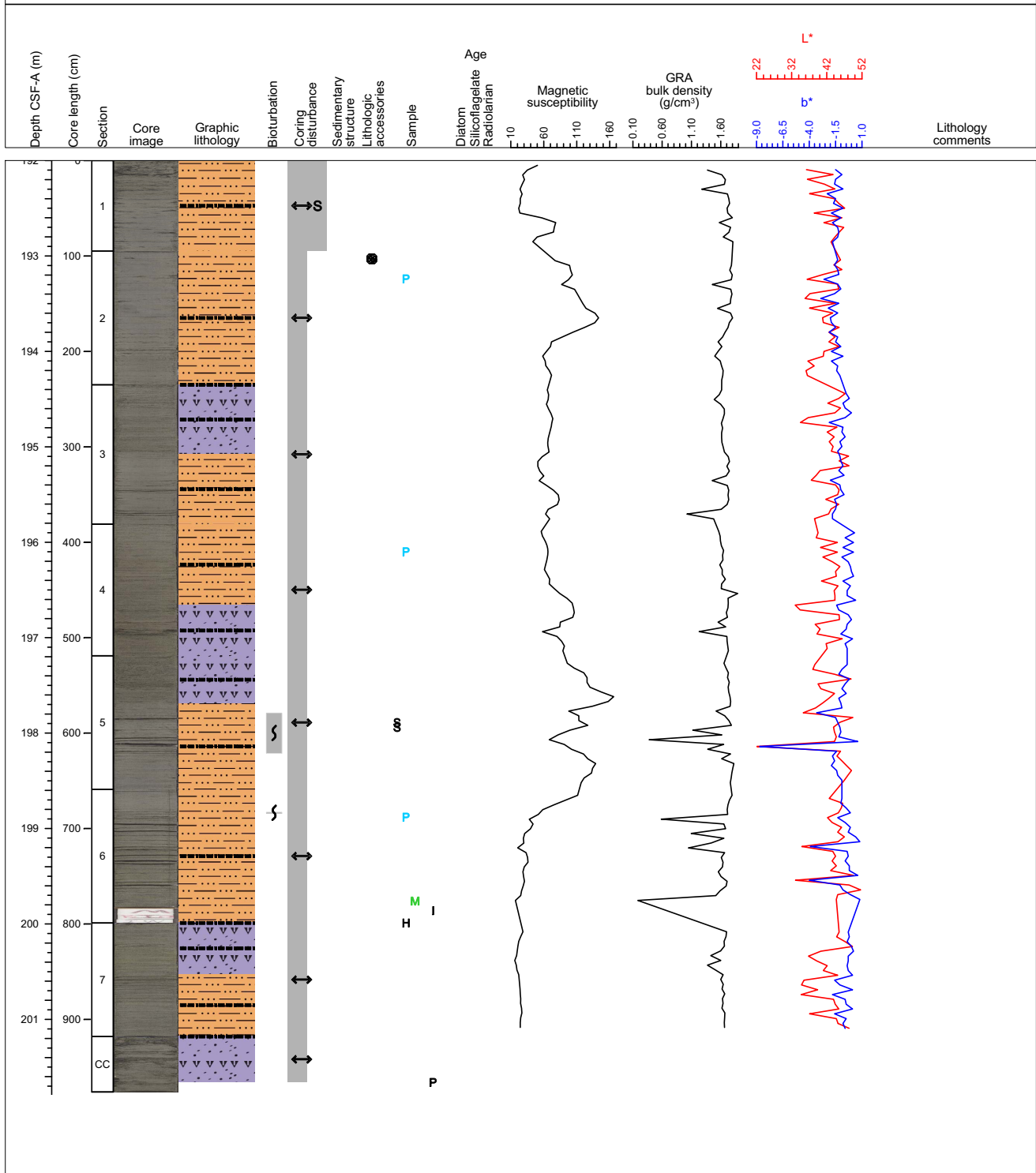
Core Photo



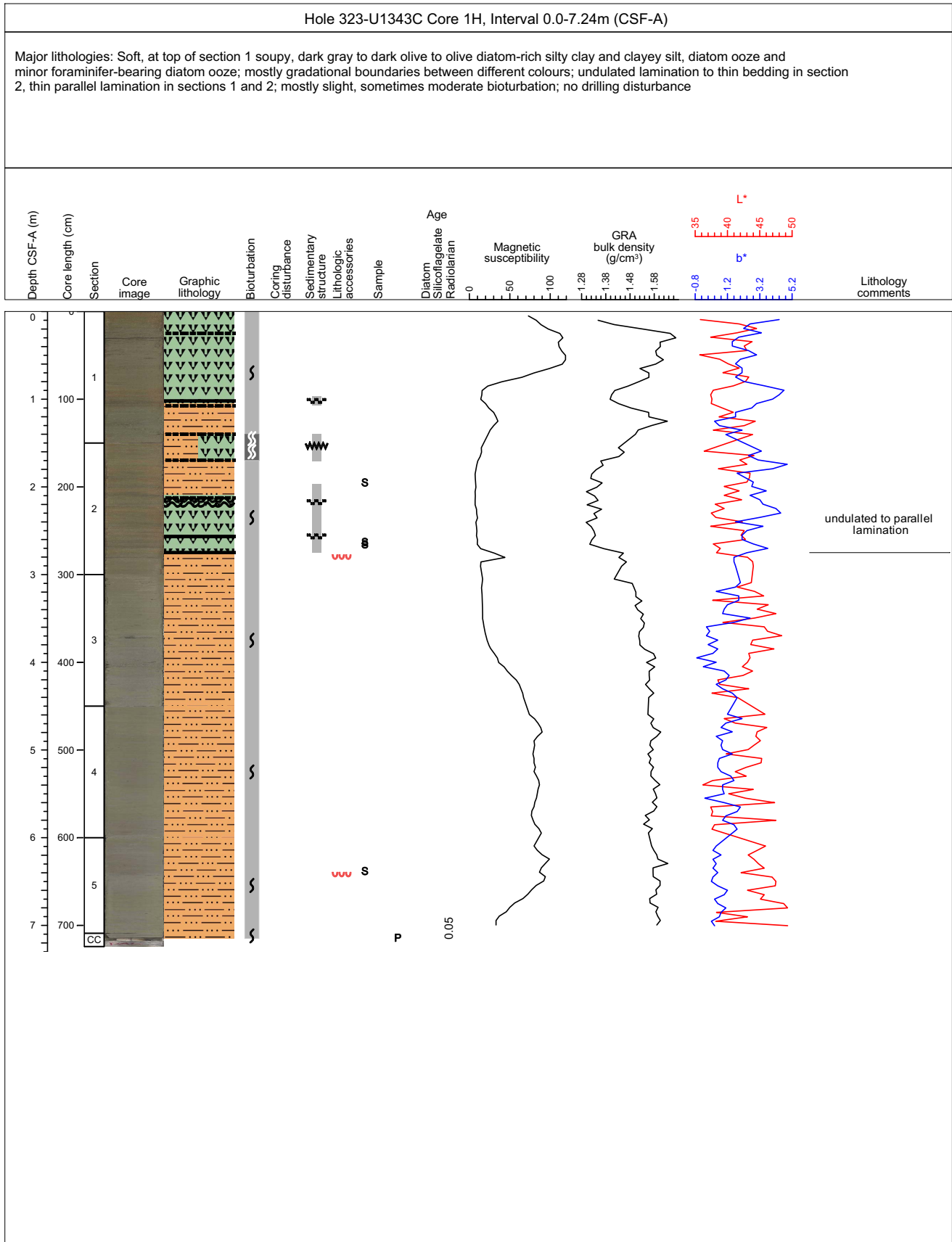
Core Photo

Hole 323-U1343A Core 22H, Interval 192.0-201.76m (CSF-A)

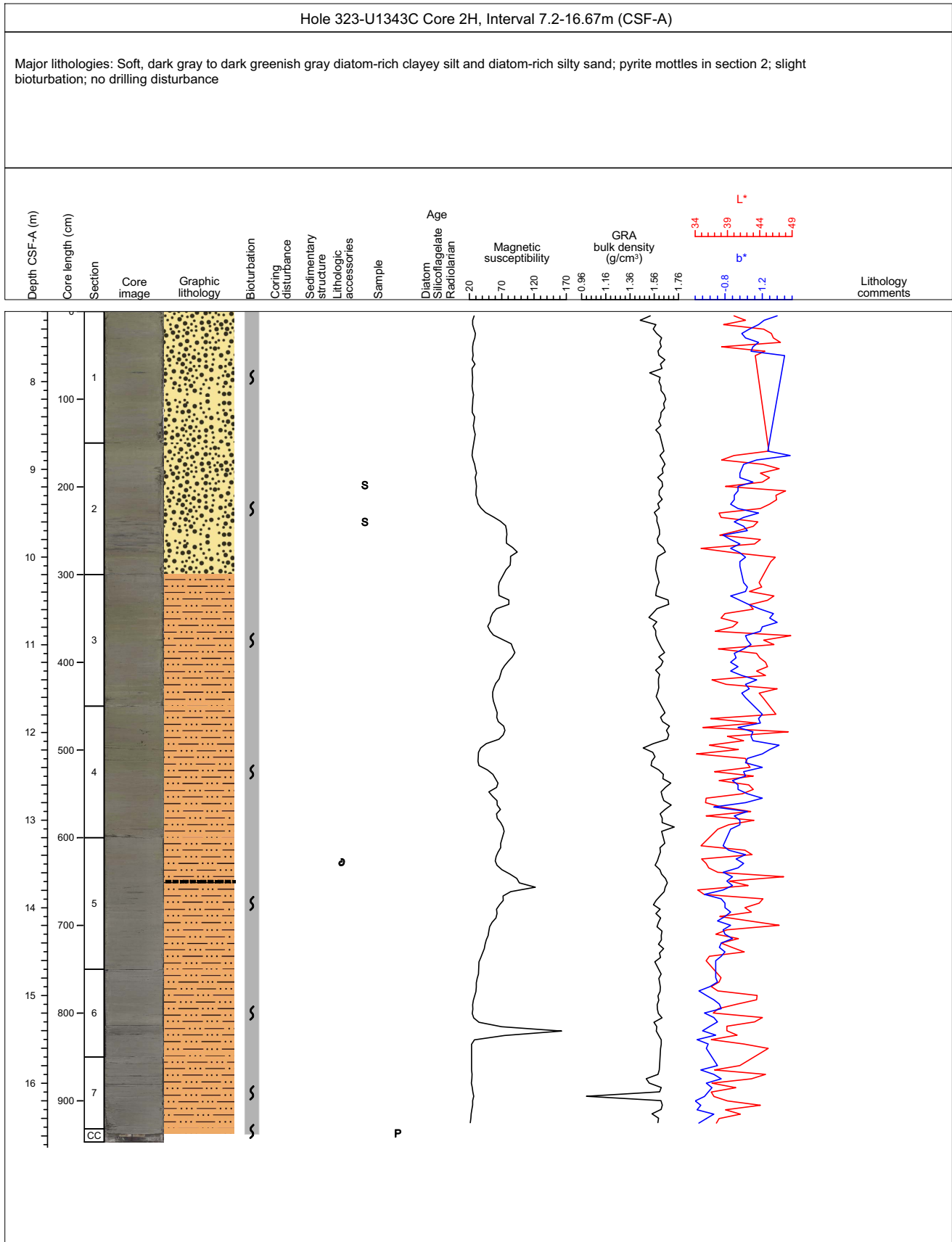
Main lithologies are very dark greyish green diatom-rich clayey silt and dark greyish green diatom silt. They alternate through the core with the diatom-rich clayey silt being slightly more abundant. Boundaries between the two lithologies are gradational. There is a clast in section 2 and small patches from 1-8 mm across filled with coarse white sand throughout the core. Similar sand fills a thin burrow in section 6. Similar sand fills a thin burrow in section 6. Bioturbation is absent except in two small intervals where chondrites is visible. There are cracks and voids through the core caused by gas expansion.



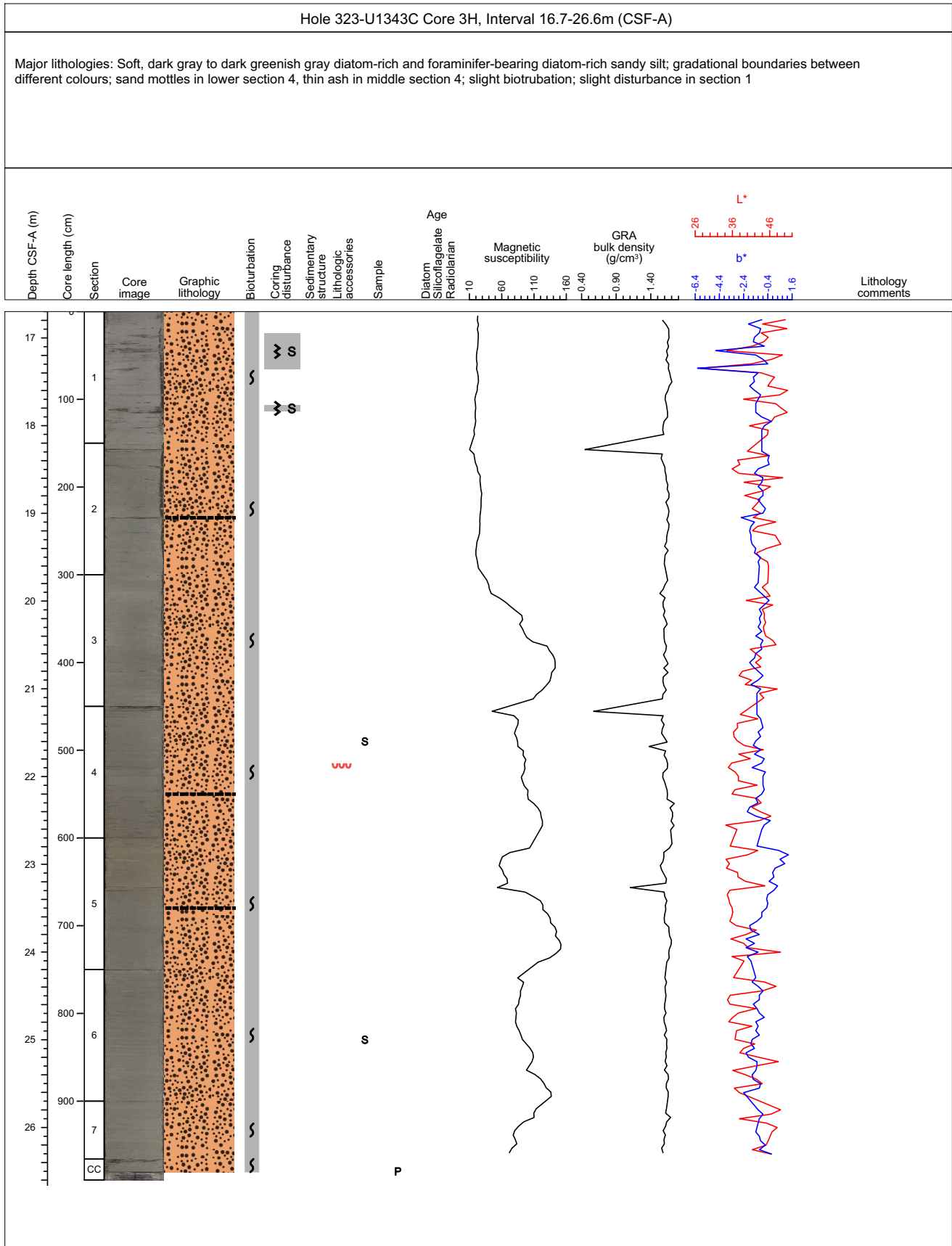
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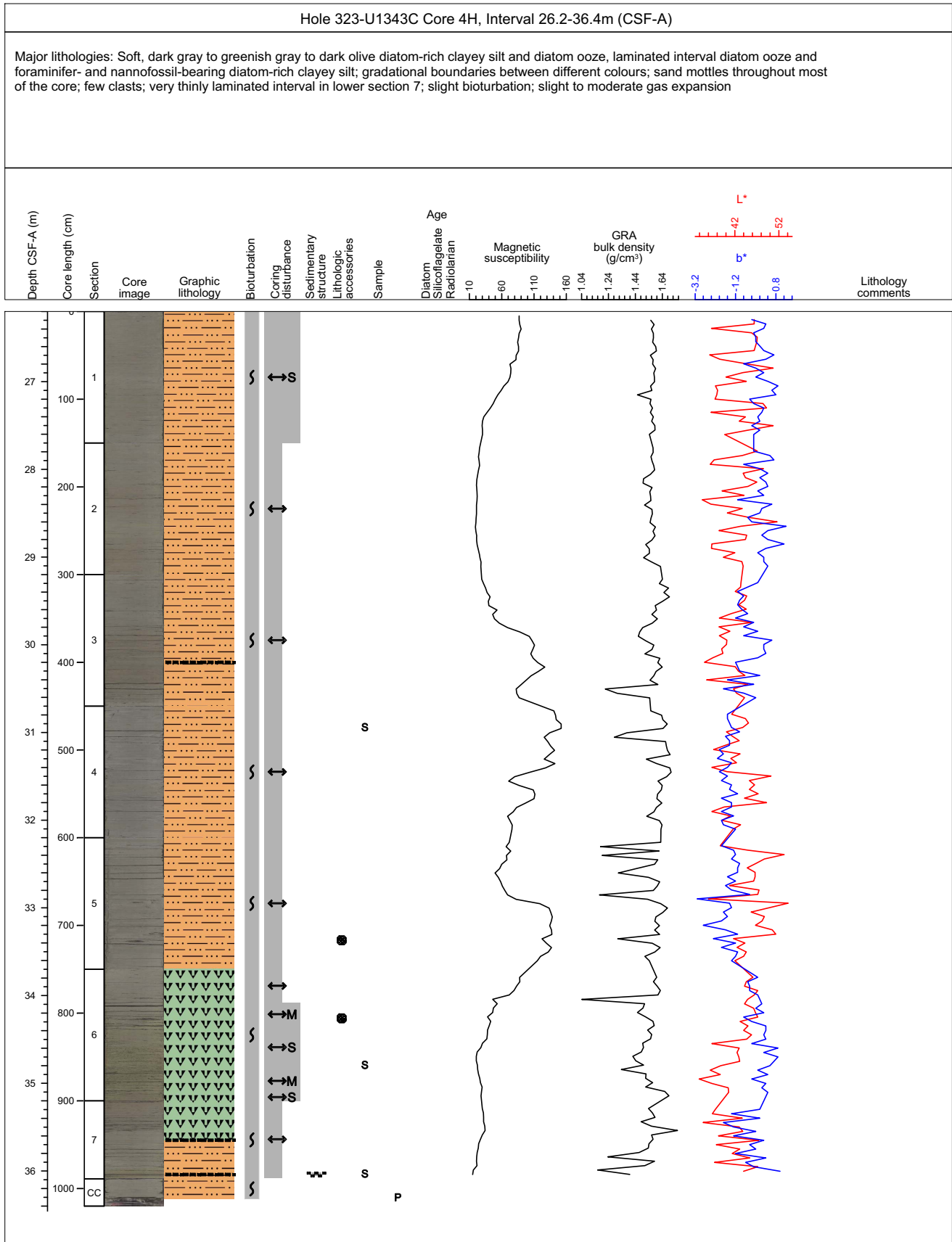
Core Photo



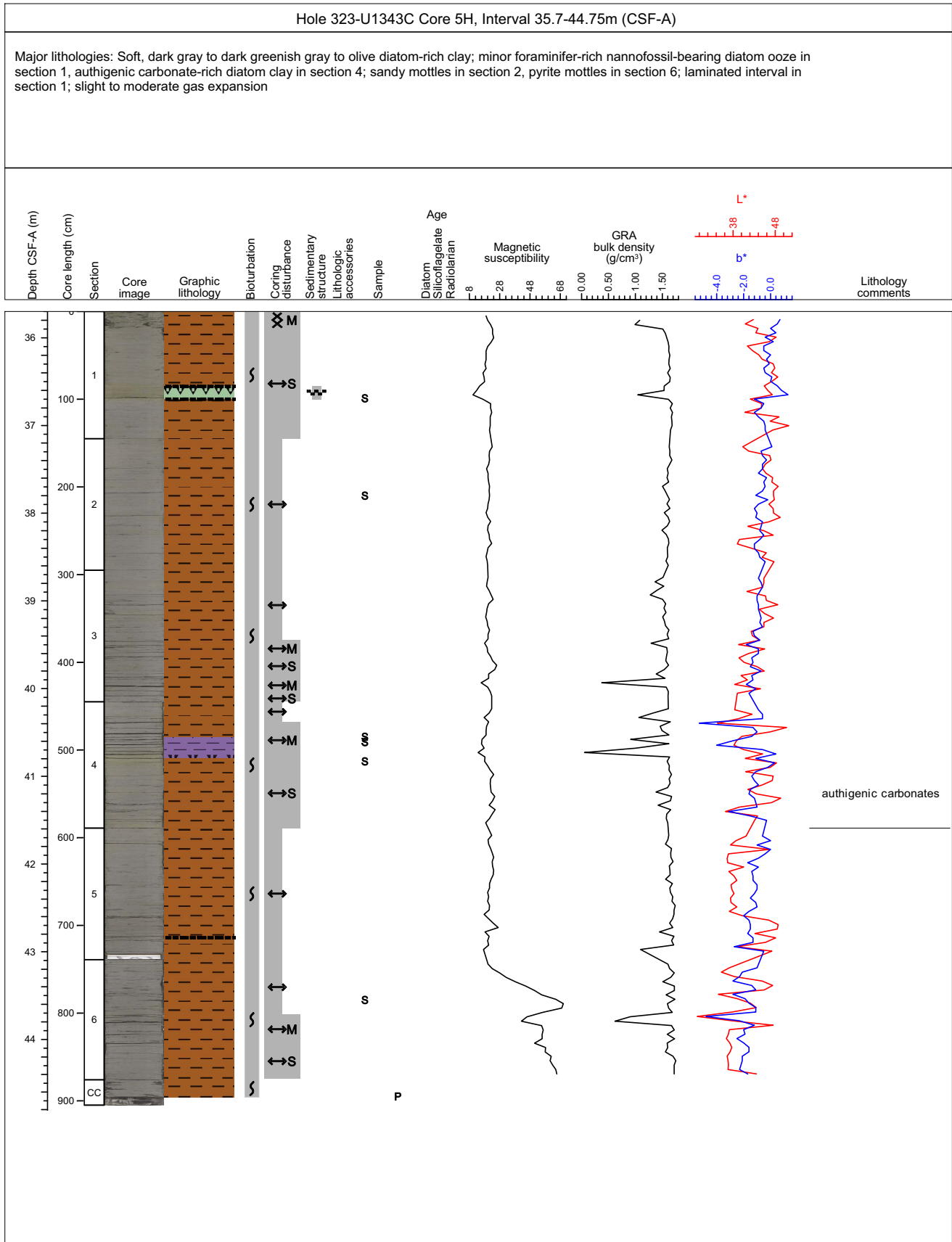
Core Photo



Core Photo



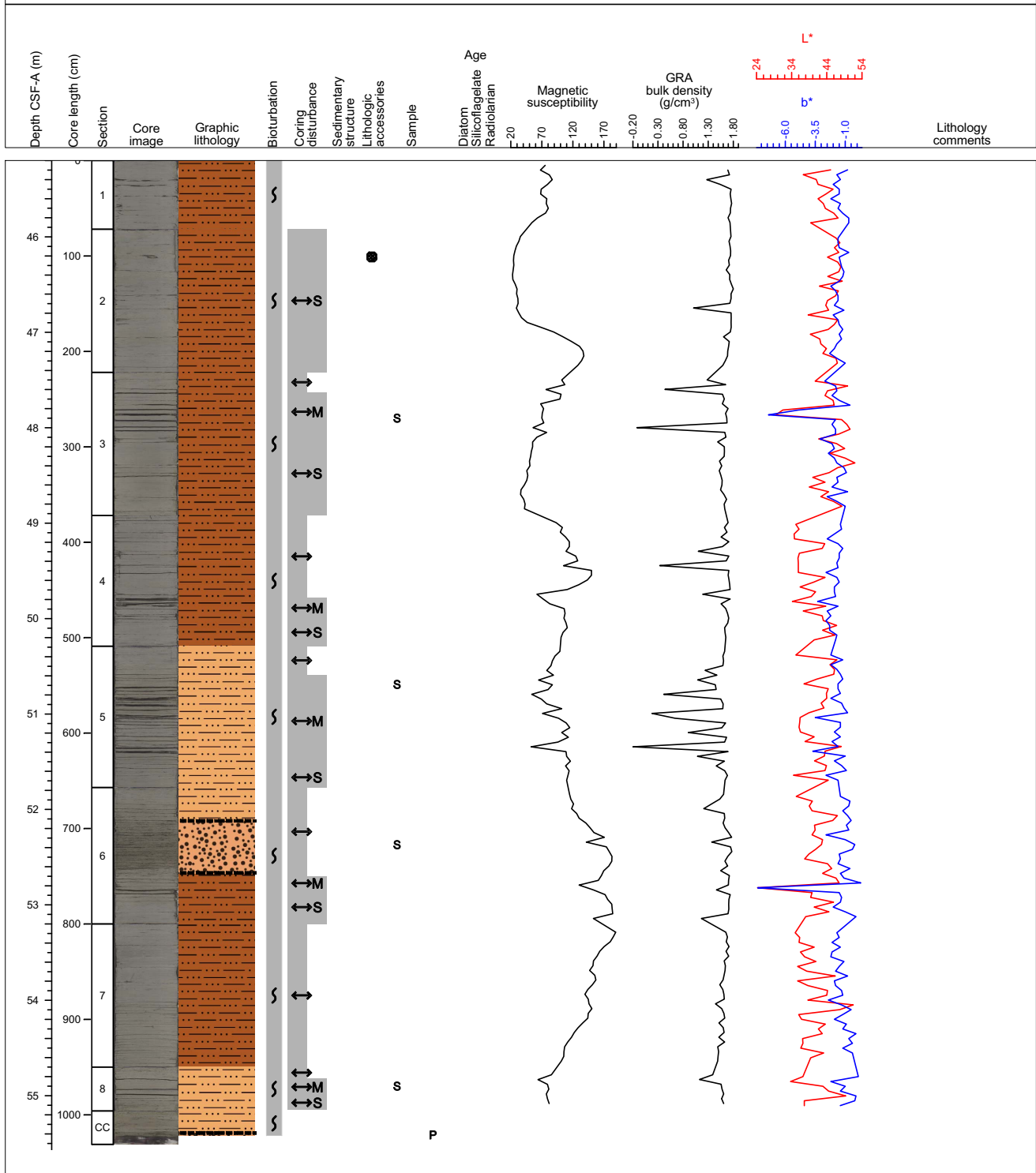
Core Photo



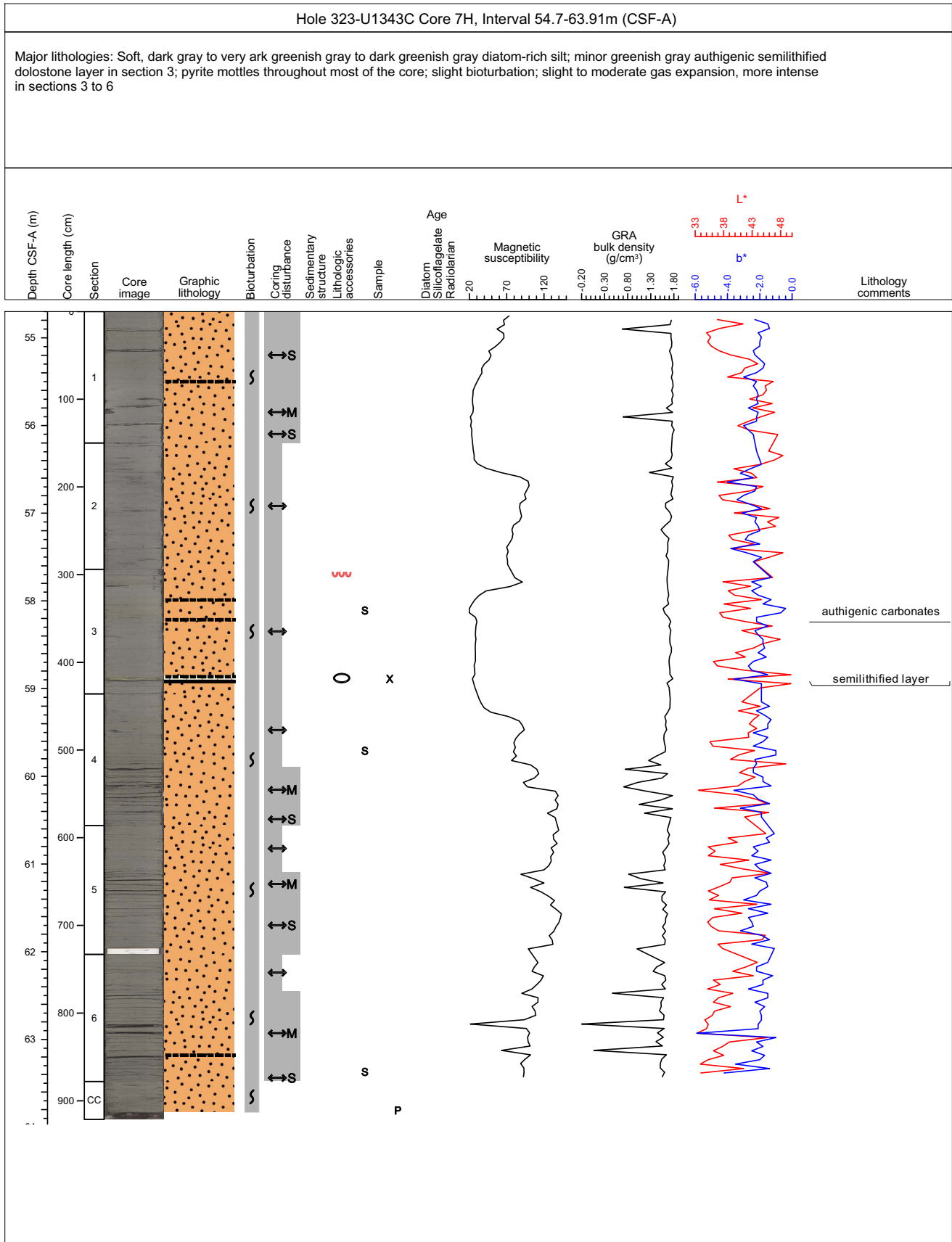
Core Photo

Hole 323-U1343C Core 6H, Interval 45.2-55.51m (CSF-A)

Major lithologies: Soft, dark gray to very dark greenish gray to dark greenish gray diatom-rich clayey silt, diatom-rich silty clay and diatom-rich sandy silt; gradational boundaries between different colours; sand mottles throughout most of the core, pyrite mottles in section 2; slight bioturbation; slight to moderate gas expansion



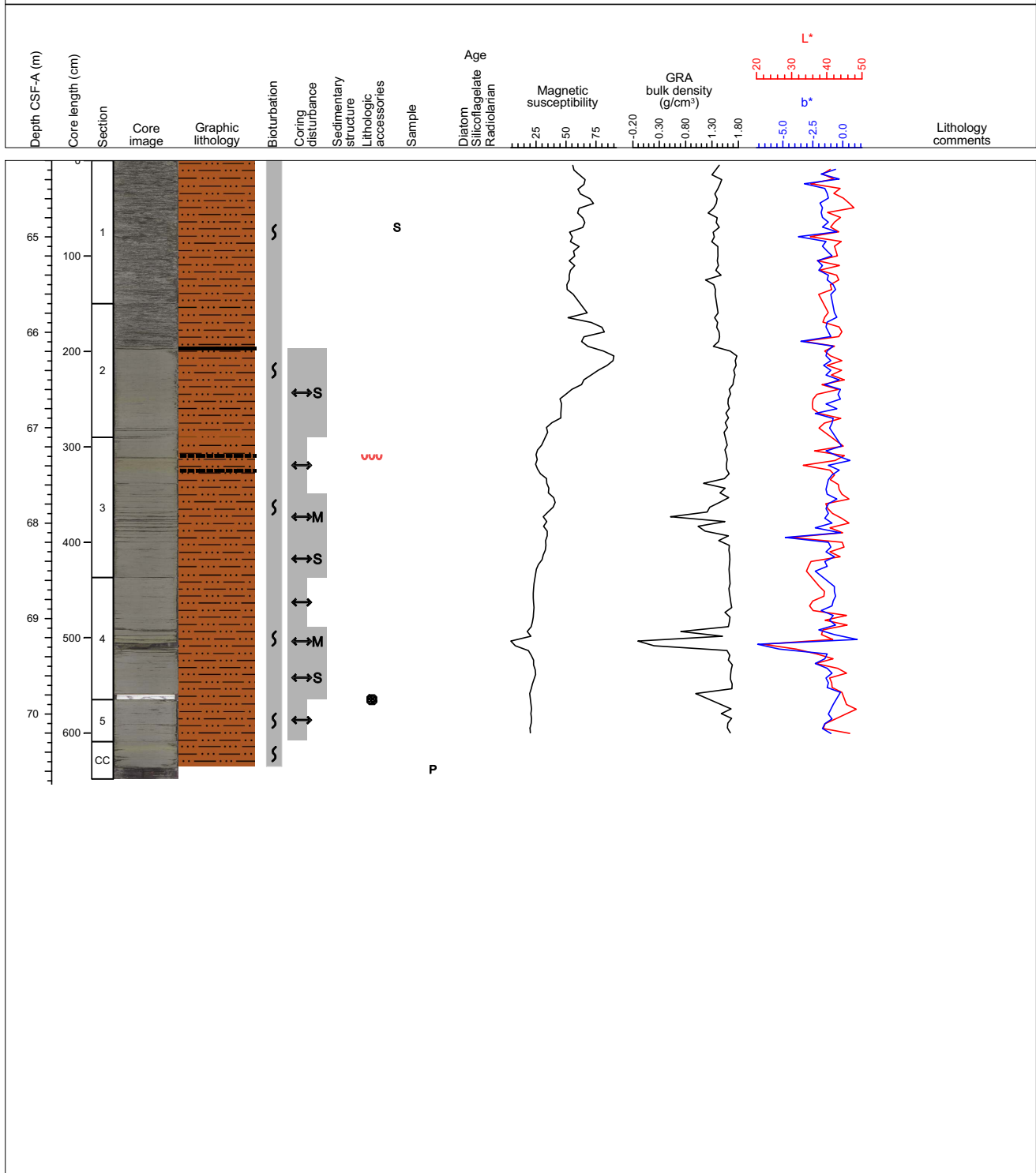
Core Photo



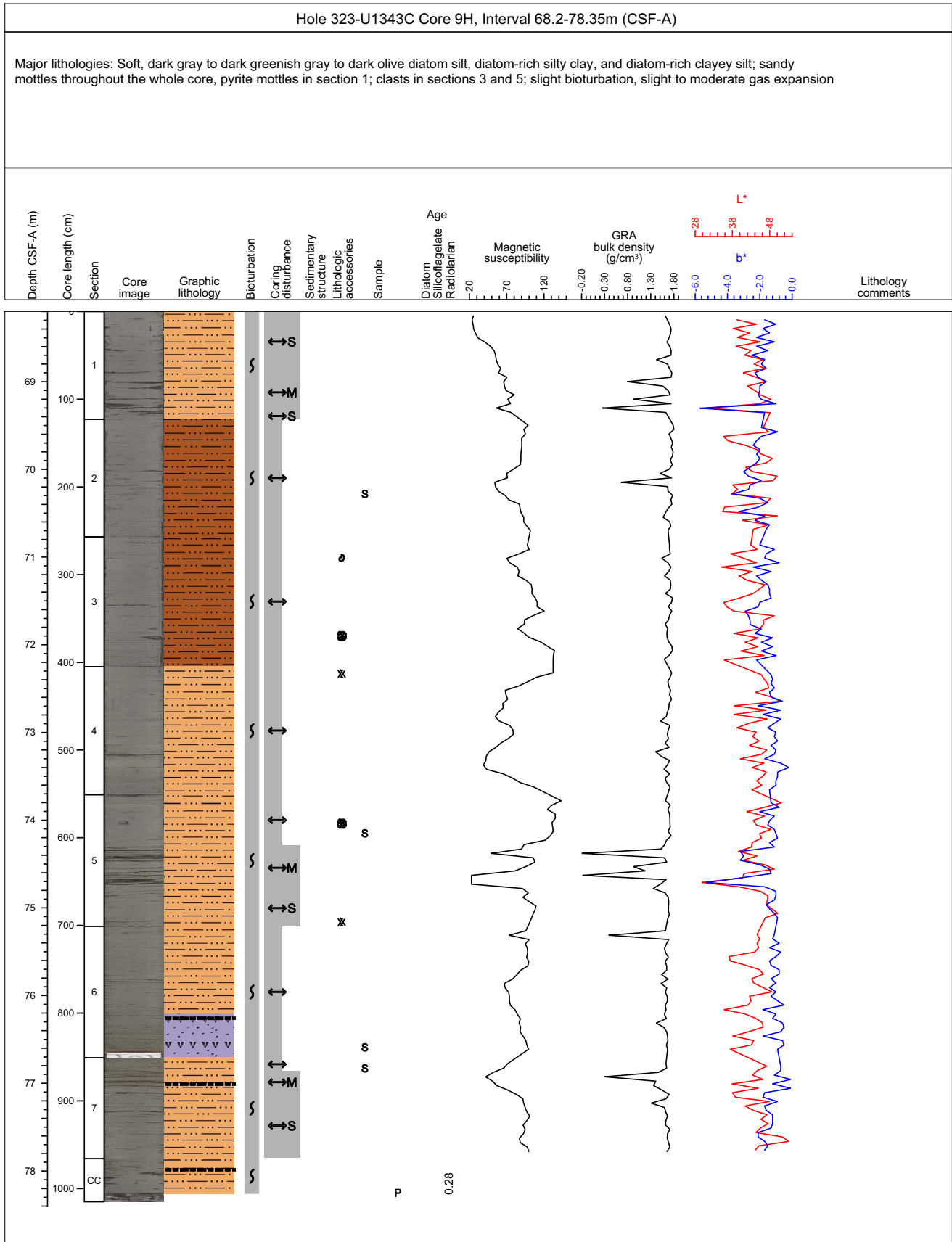
Core Photo

Hole 323-U1343C Core 8H, Interval 64.2-70.68m (CSF-A)

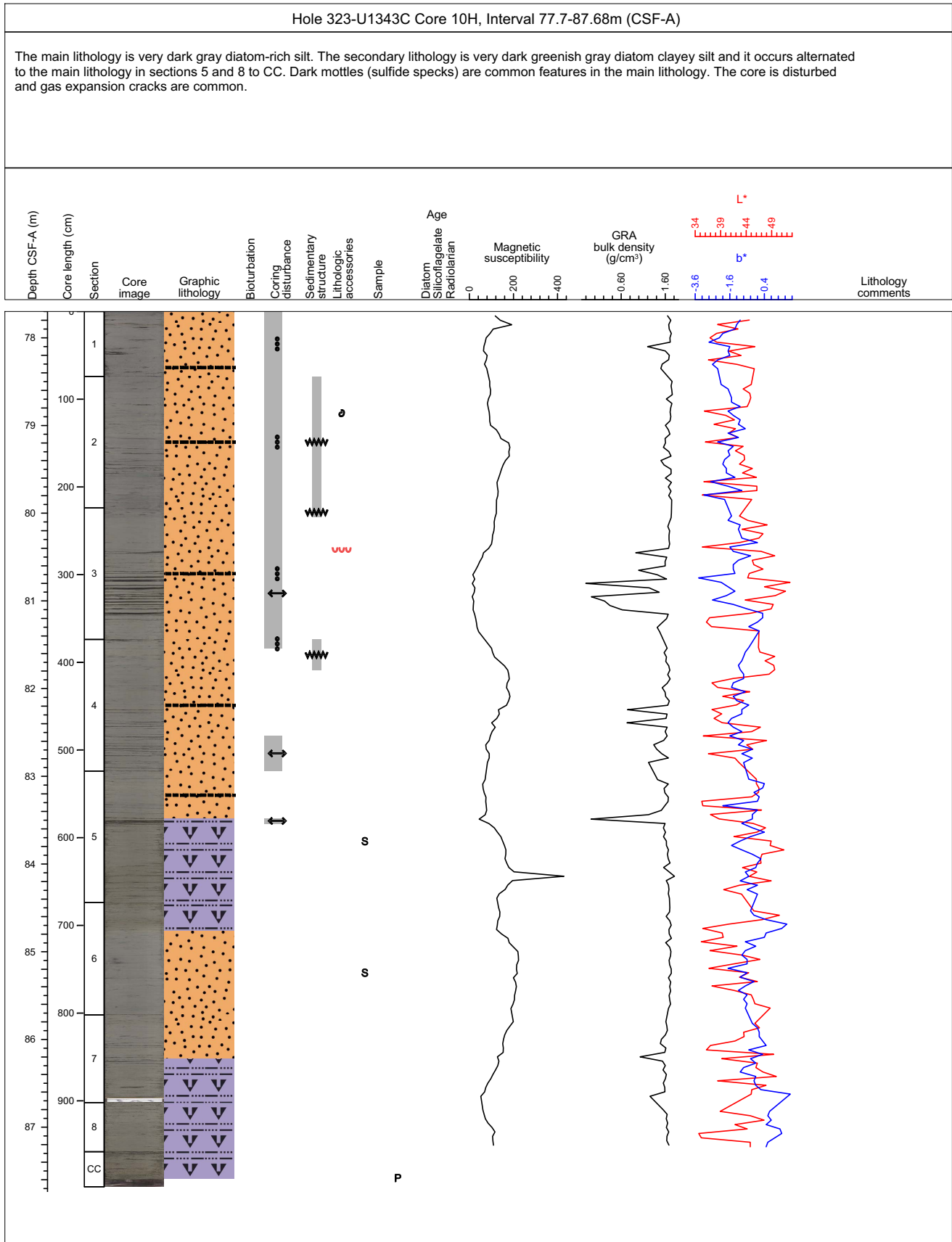
Major lithologies: Soupy to soft, dark gray to dark greenish gray to dark olive diatom-bearing and diatom-rich silty clay; fine ash layer in section 3, clast in section 5; slight bioturbation; section 1 and upper section 2 have strange texture, similar to cottage cheese, no change in lithology, still containing gas in inner parts, severe drilling disturbance or hints to gas hydrates; apart from that, slight to moderate gas expansion



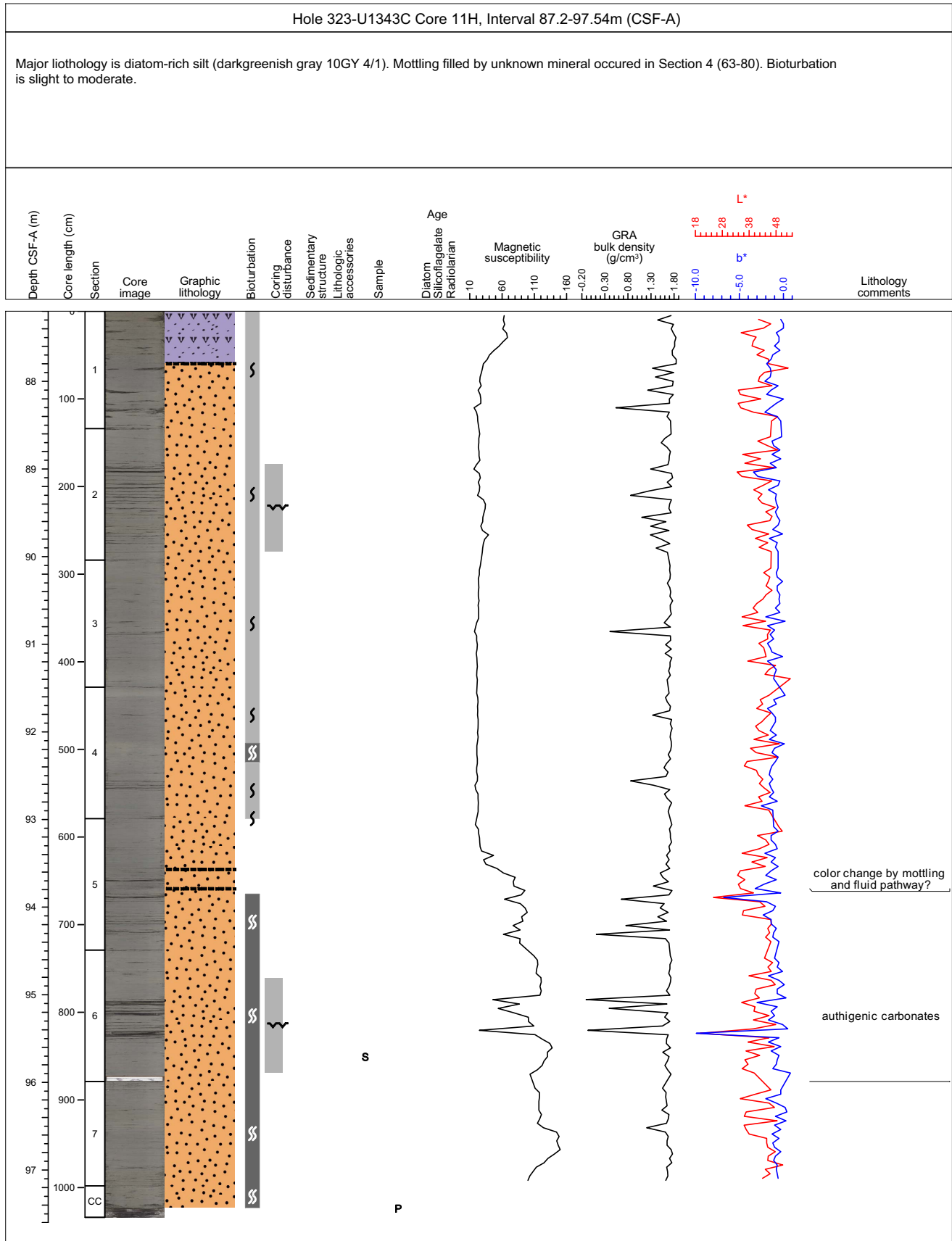
Core Photo



Core Photo



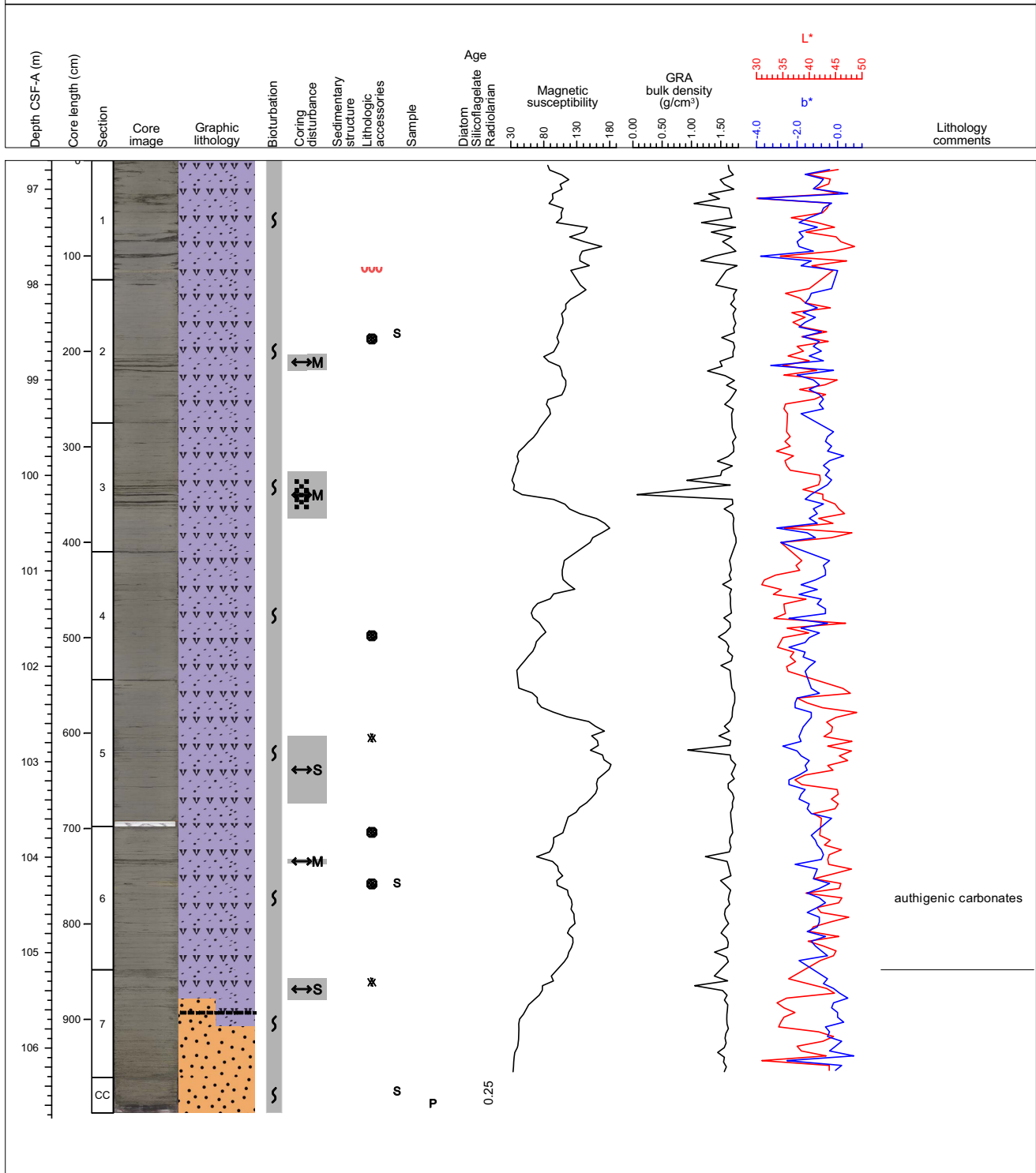
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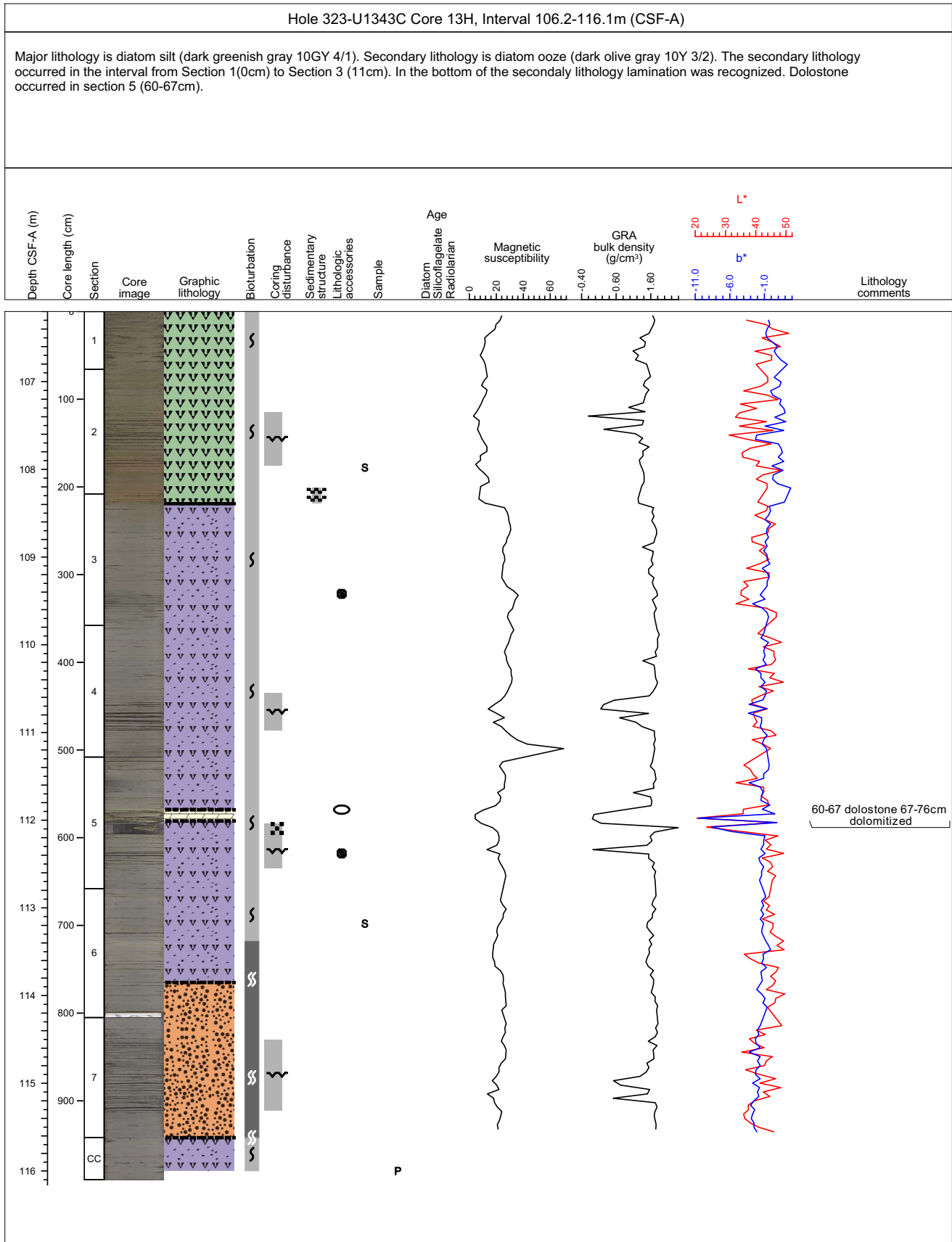
Core Photo

Hole 323-U1343C Core 12H, Interval 96.7-106.68m (CSF-A)

Major lithologies: very dark gray diatom silt and very dark greenish gray diatom-rich silt. A 30 cm long gradational boundary divides the 2 lithologies. Several granules and pebbles are found throughout. One thin ash layer occurs in section 1. Bioturbation and gas expansion occur throughout the core.



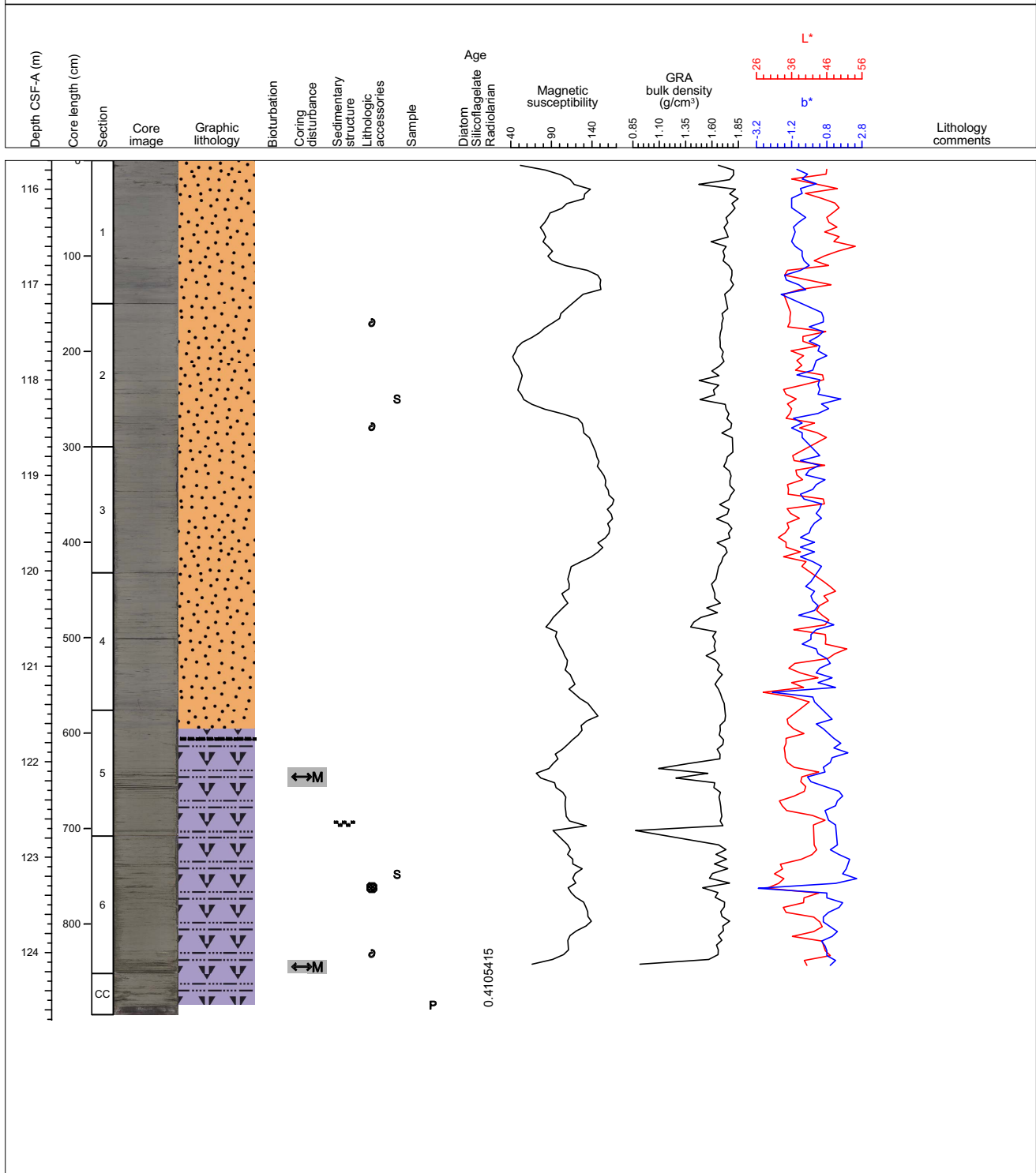
Core Photo



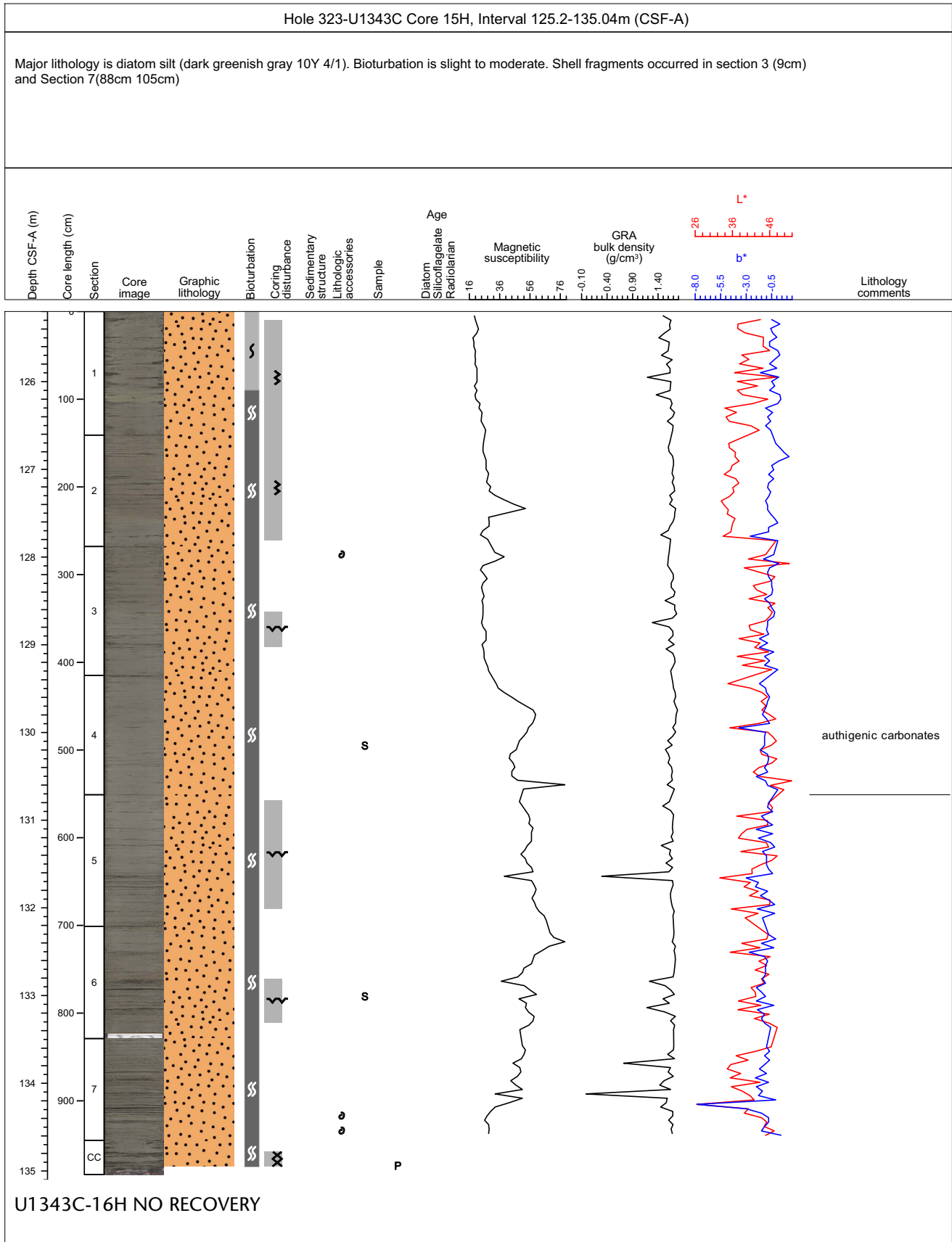
Core Photo

Hole 323-U1343C Core 14H, Interval 115.7-124.65m (CSF-A)

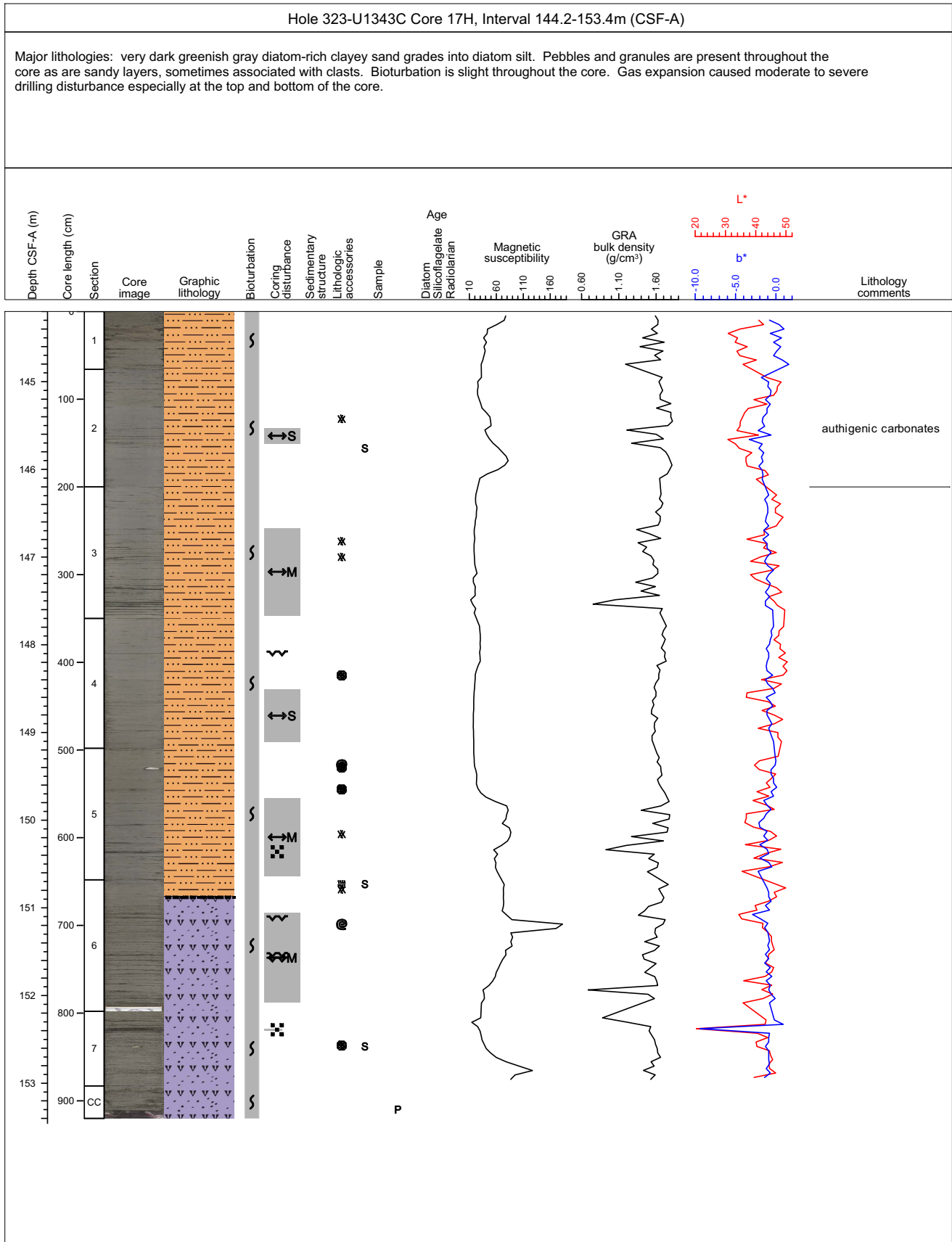
The main lithology in the upper four sections is very dark gray, mottled (black sulfide specks) diatom-rich silt. The lower part of the core is a very dark greenish gray diatom clayey silt. A rounded black clast occurs in section 6.



Core Photo



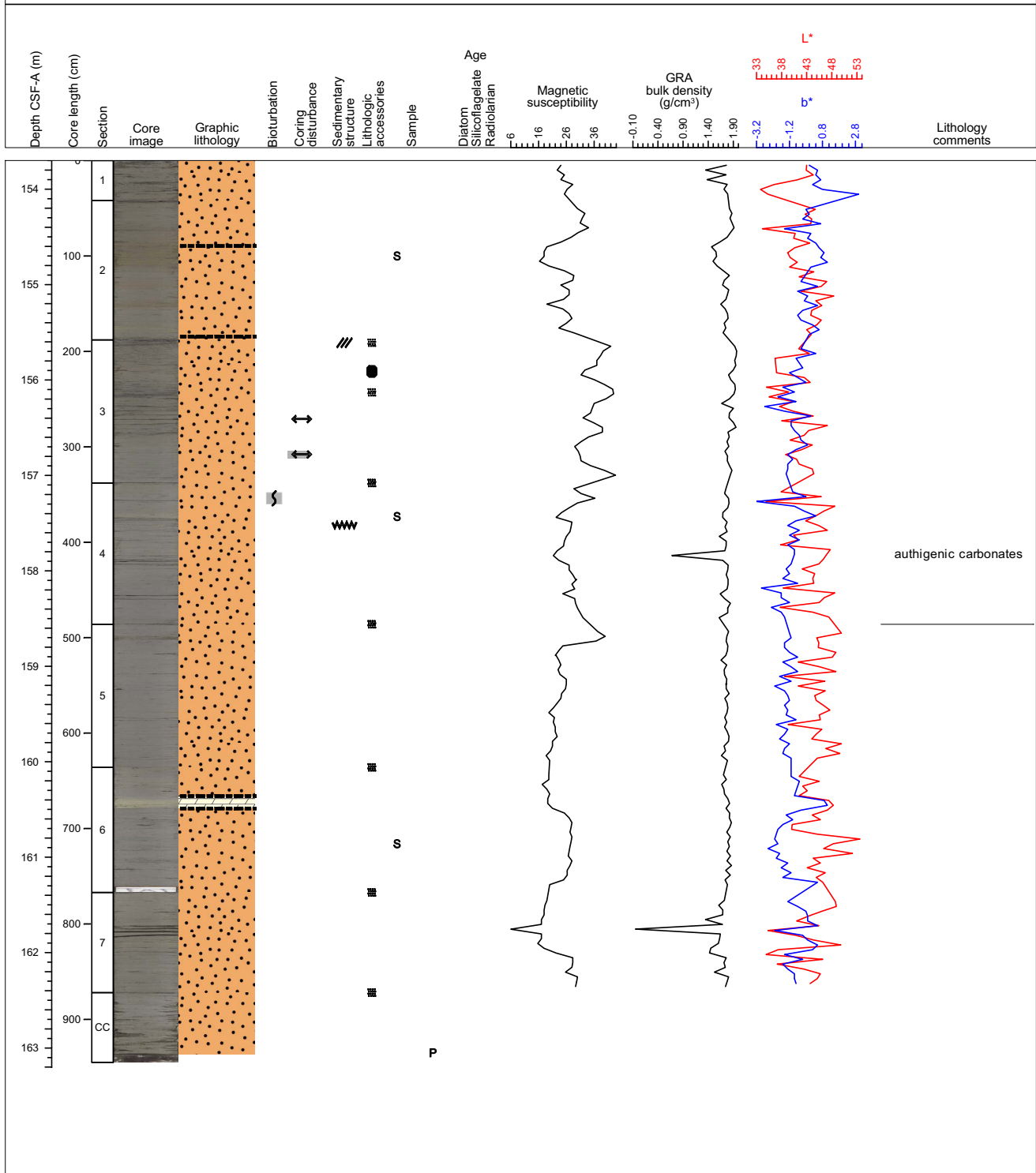
Core Photo



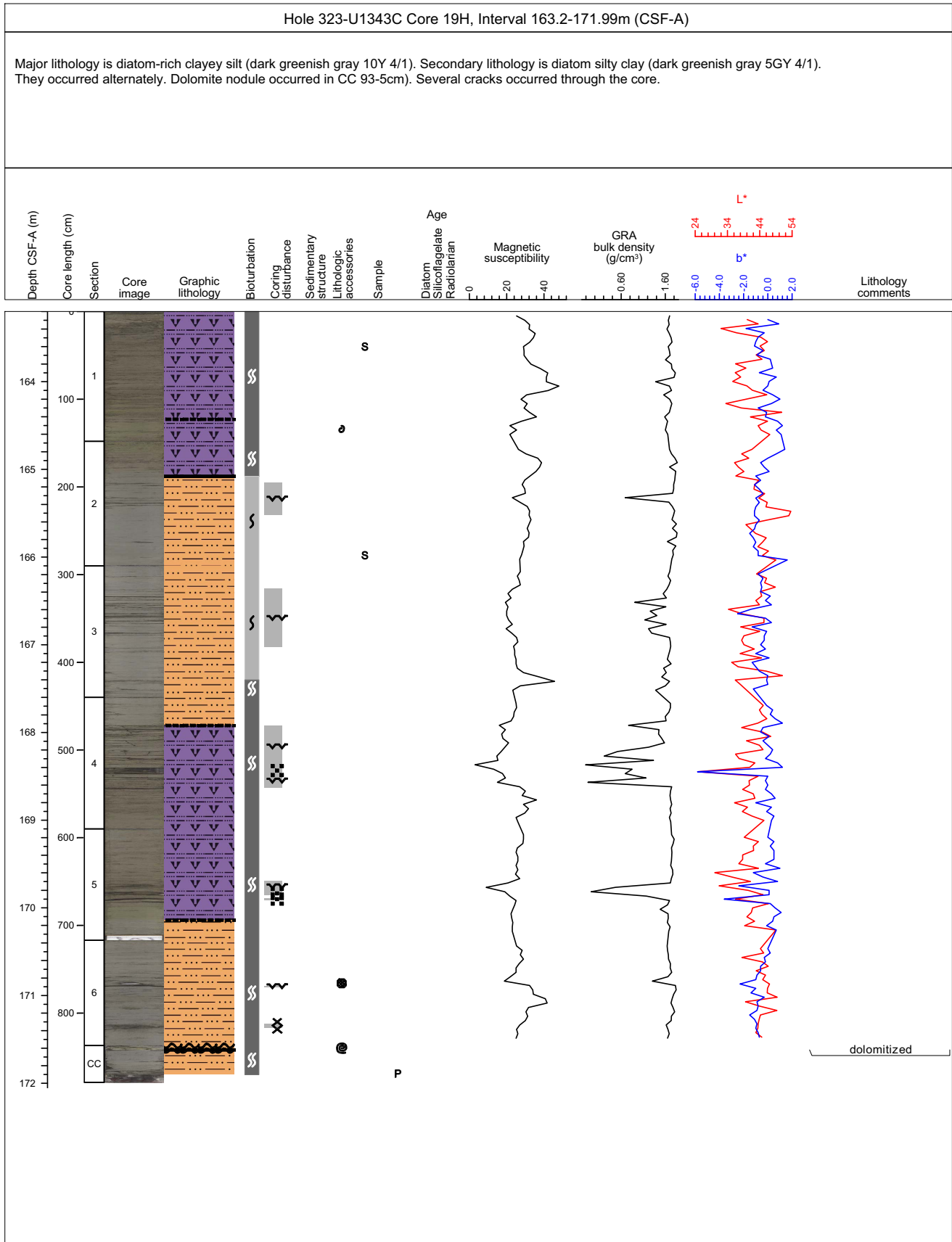
Core Photo

Hole 323-U1343C Core 18H, Interval 153.7-163.15m (CSF-A)

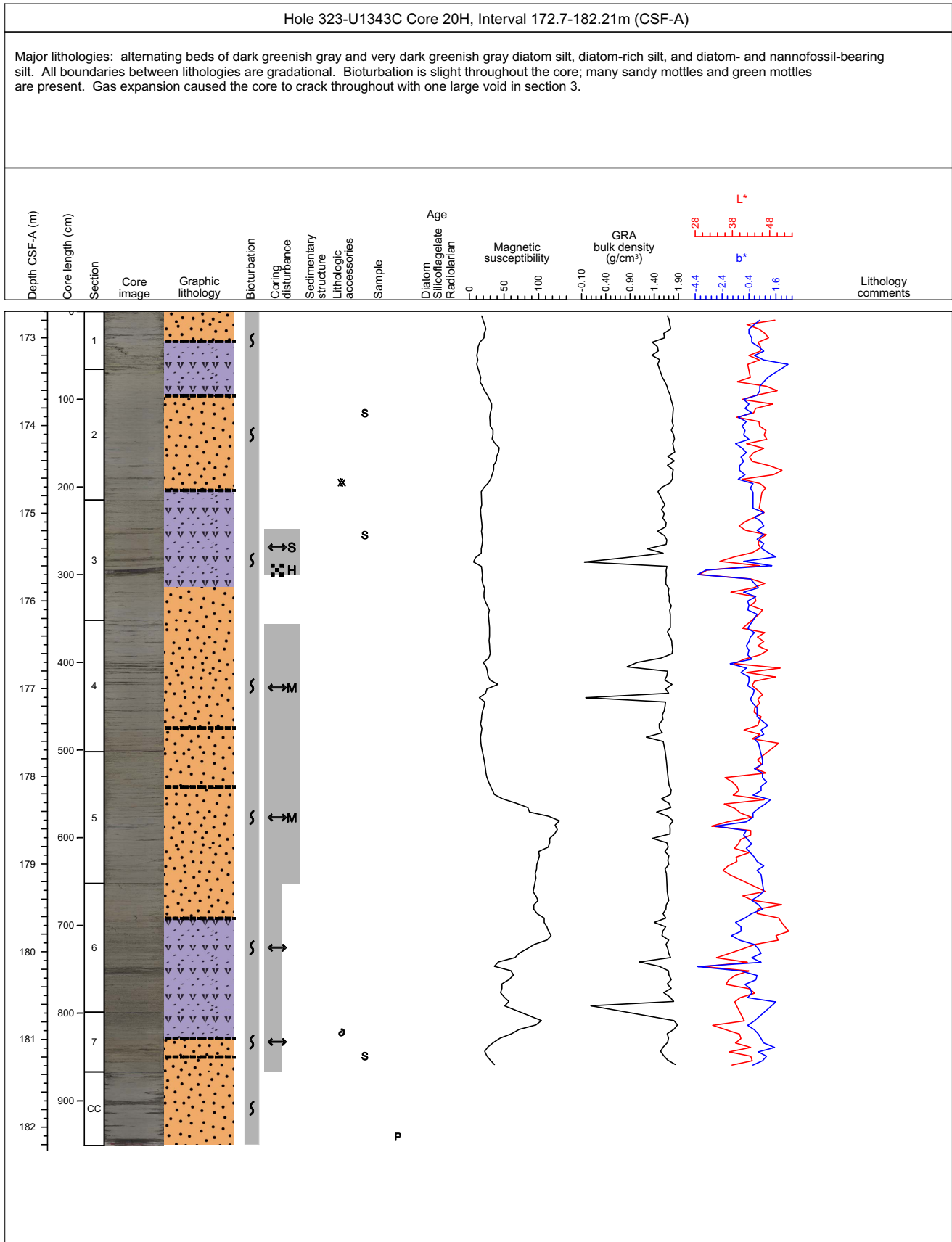
The main lithology is very dark greenish gray to very dark gray diatom bearing silt. A secondary lithology, dark olive gray foraminifer- and diatom-bearing silt occurs in section 2 only. Two sandy layers occur in section 3 and the topmost one is tilted. Pebbles were found in sections 3 and 6. A lighter colored layer of acicular aragonite was detected in section 4.



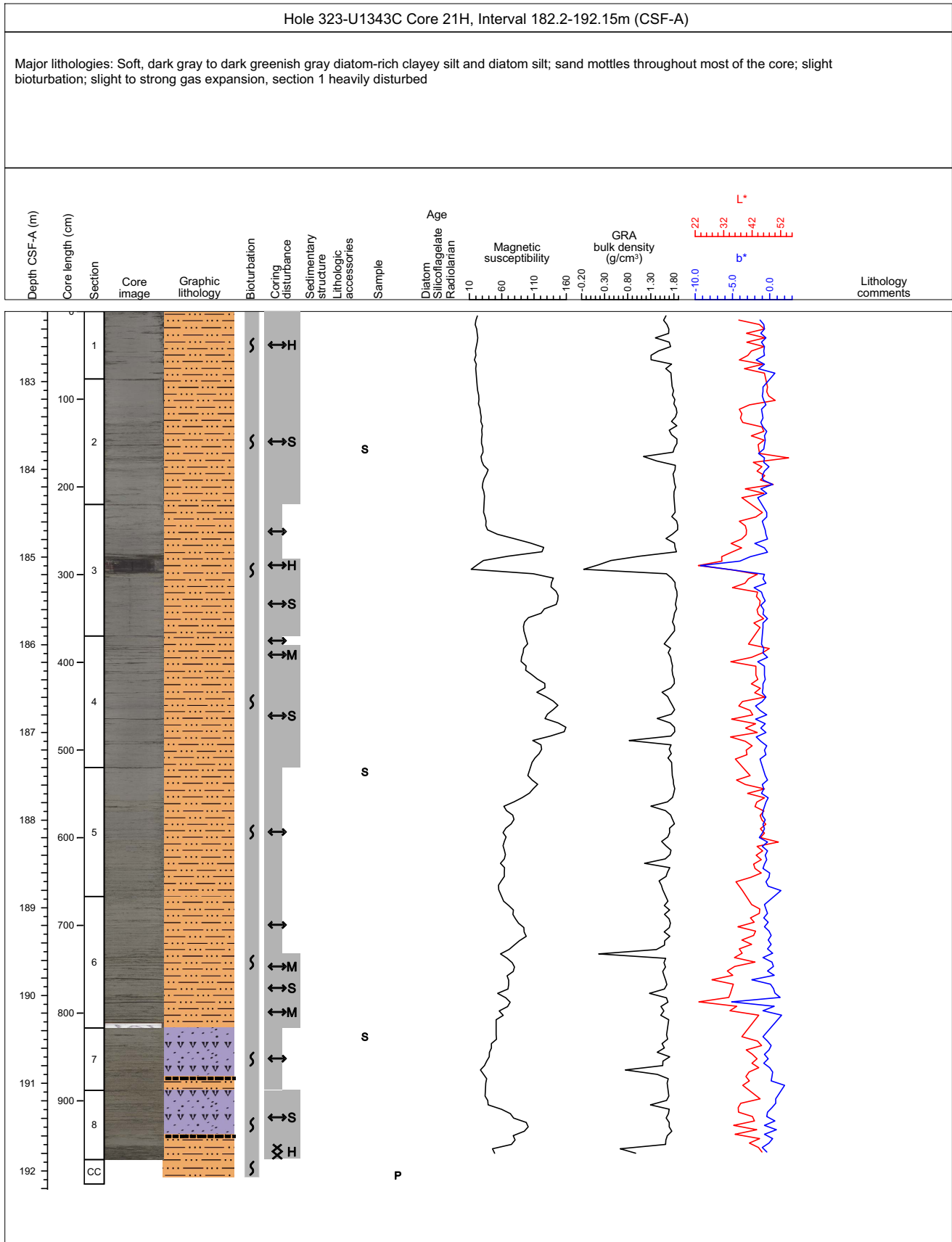
Core Photo



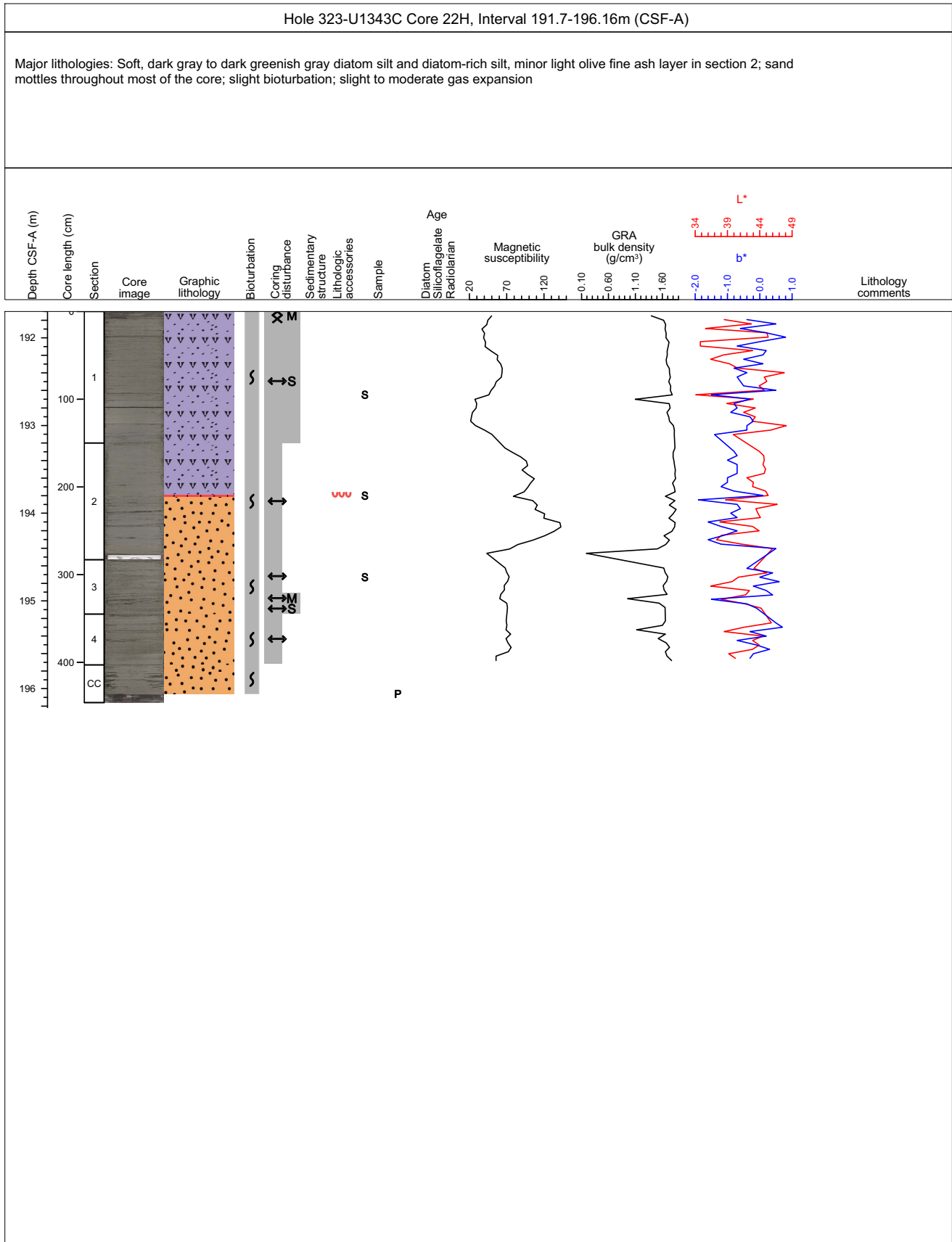
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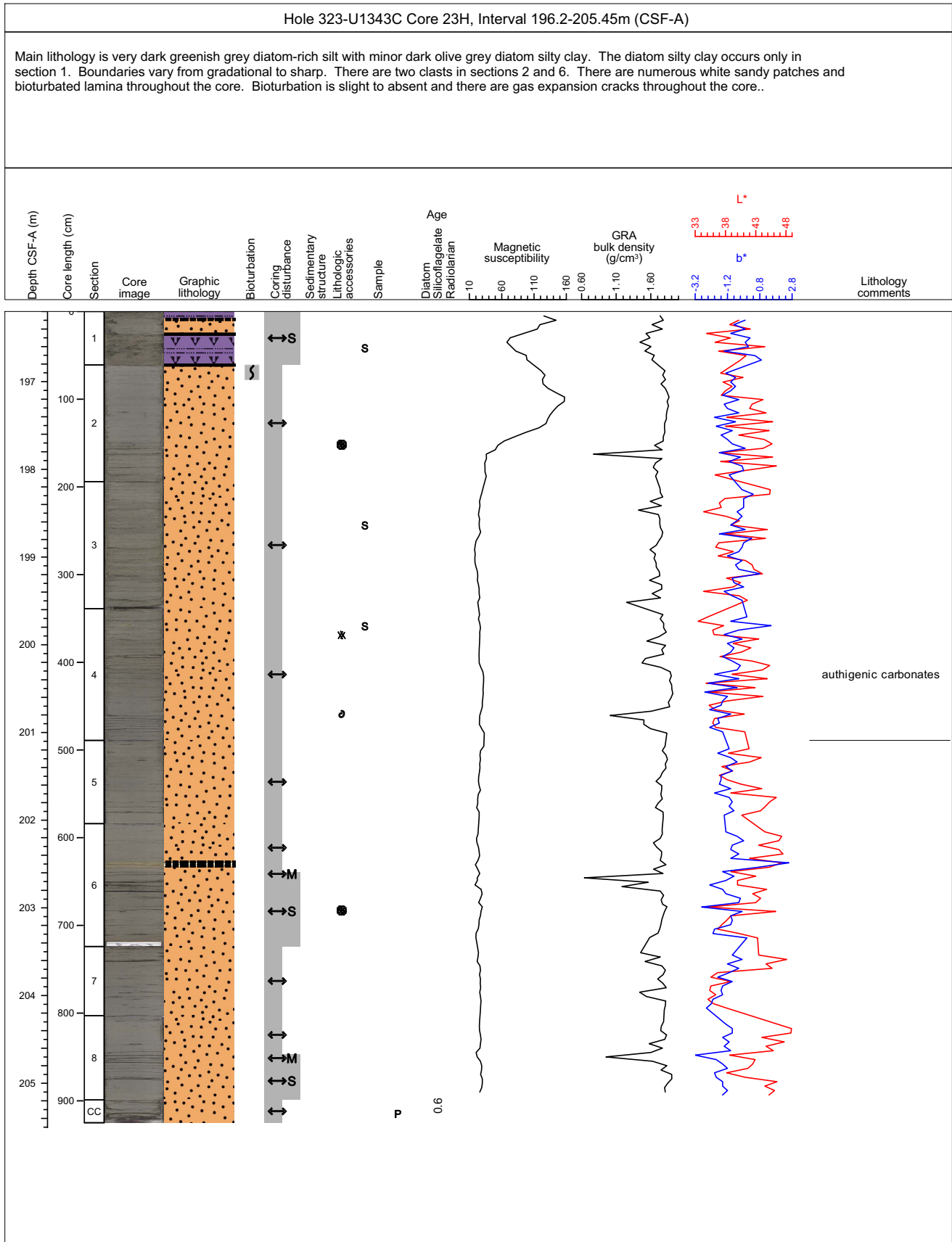
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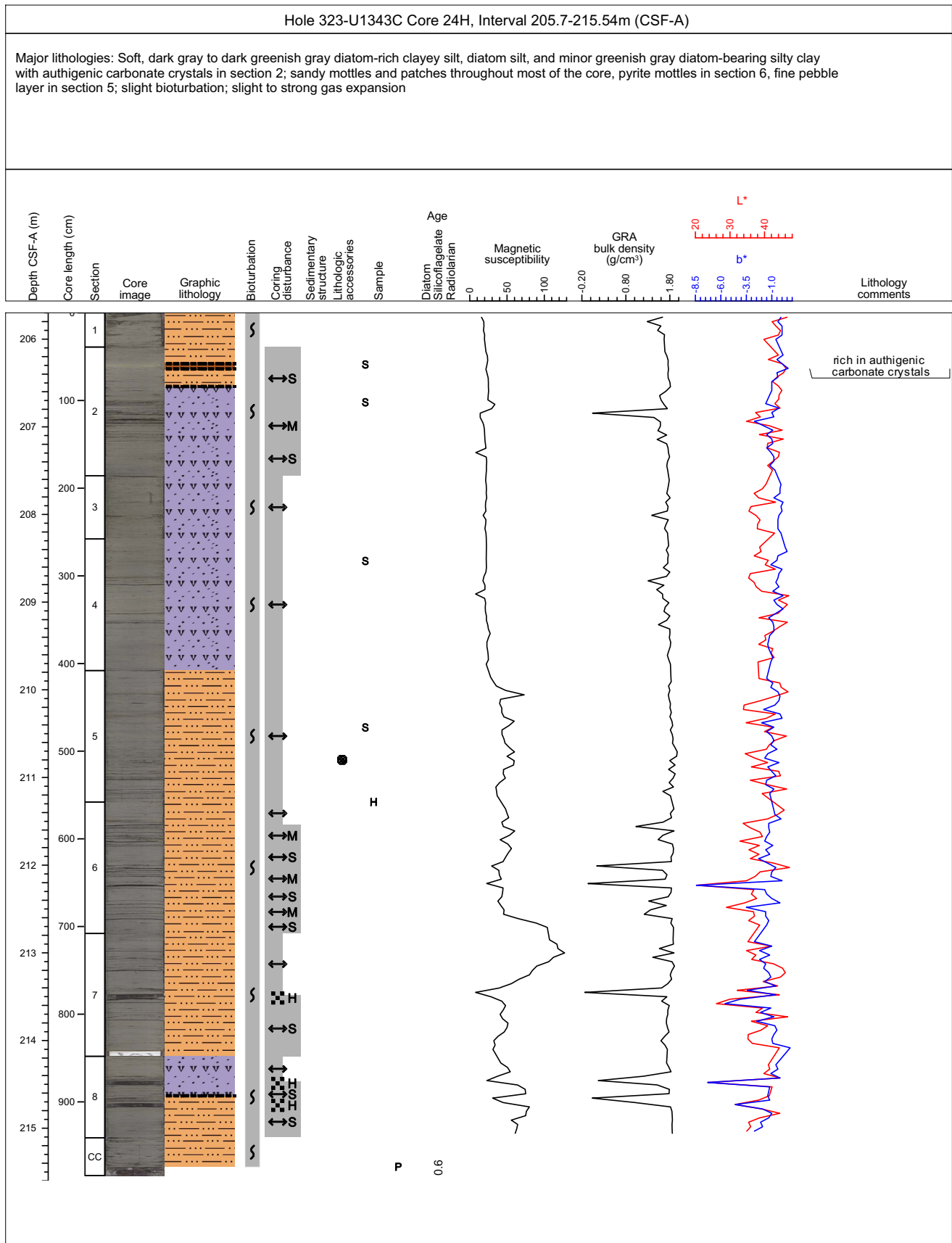
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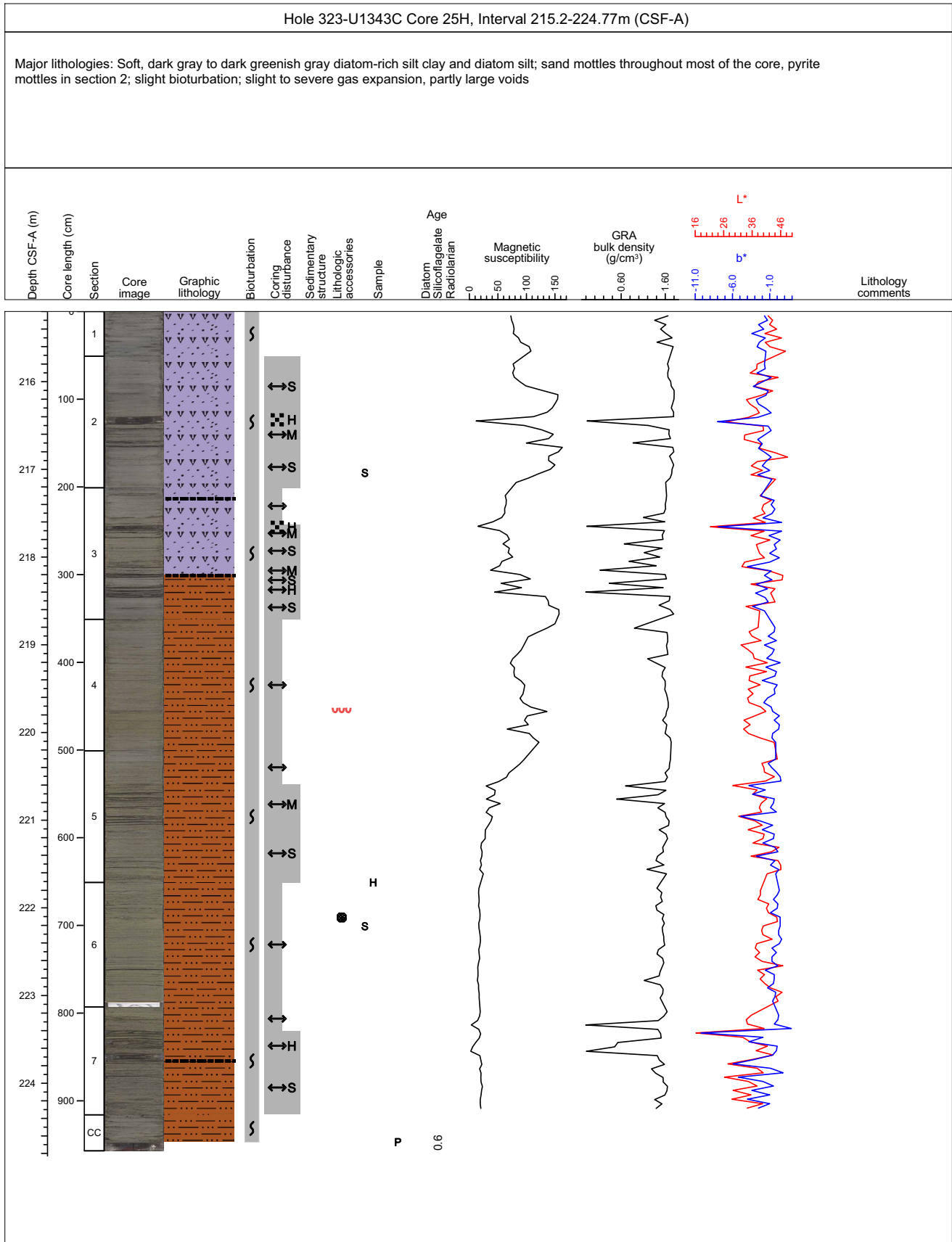
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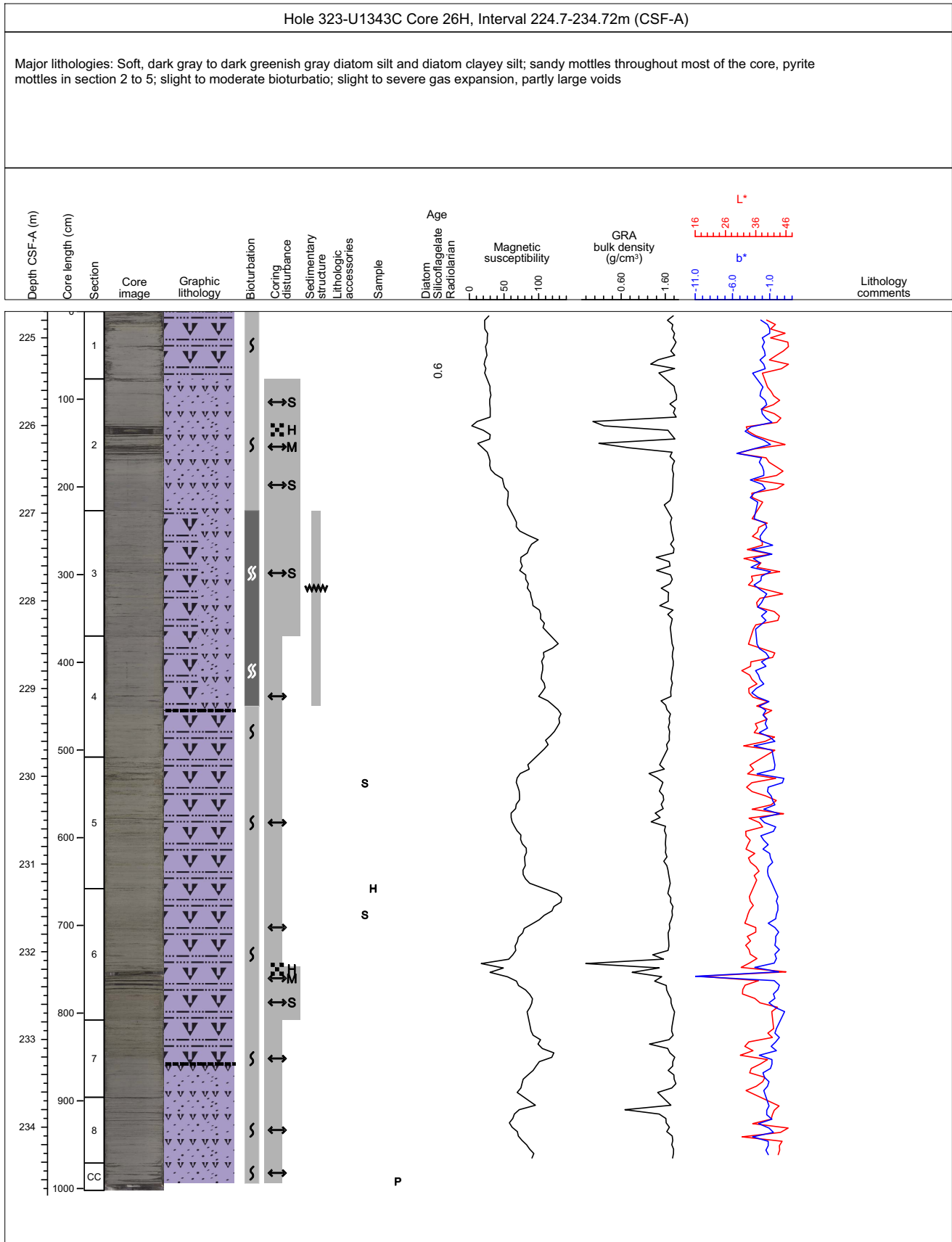
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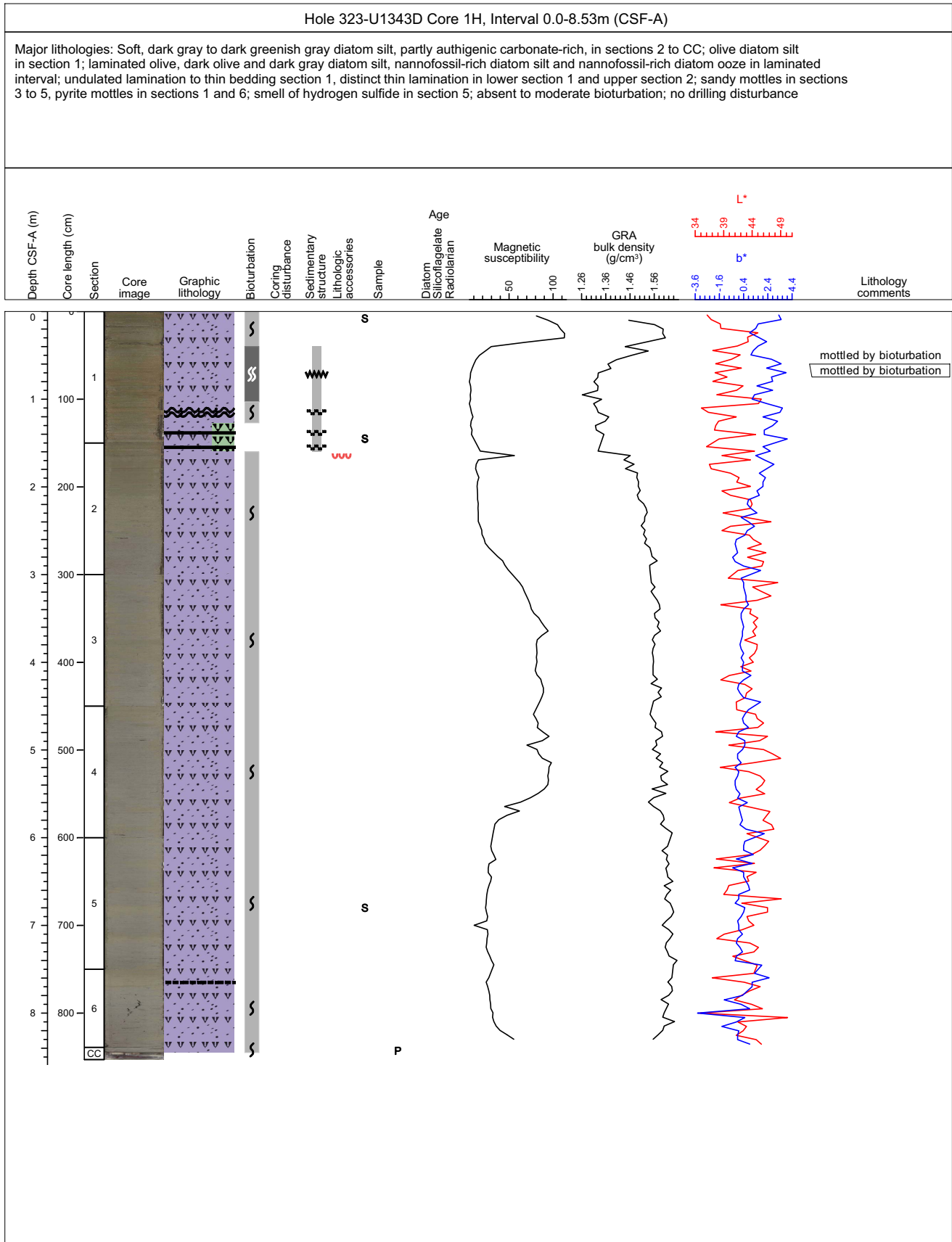
Core Photo



Core Photo



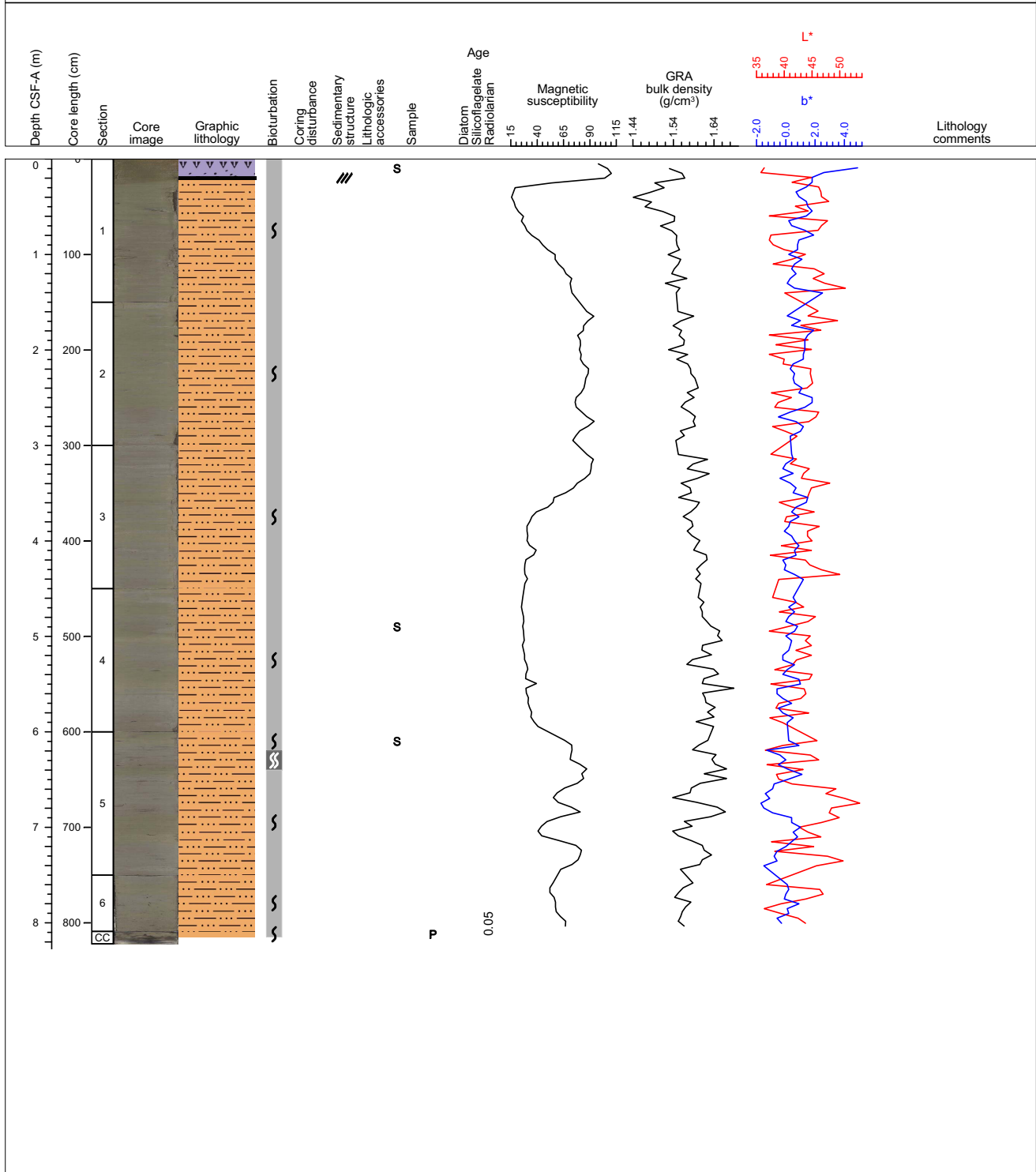
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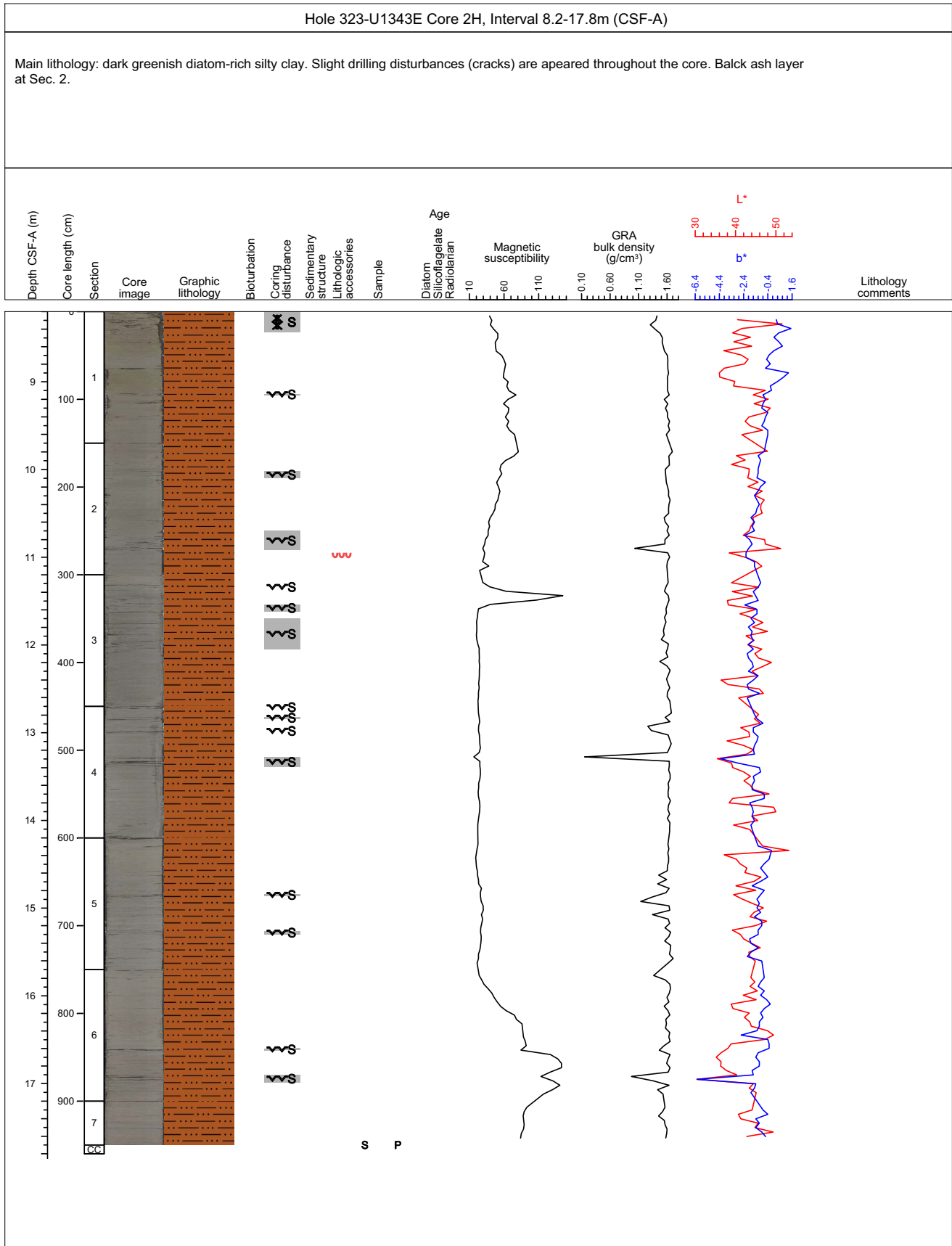
Core Photo

Hole 323-U1343E Core 1H, Interval 0.0-8.22m (CSF-A)

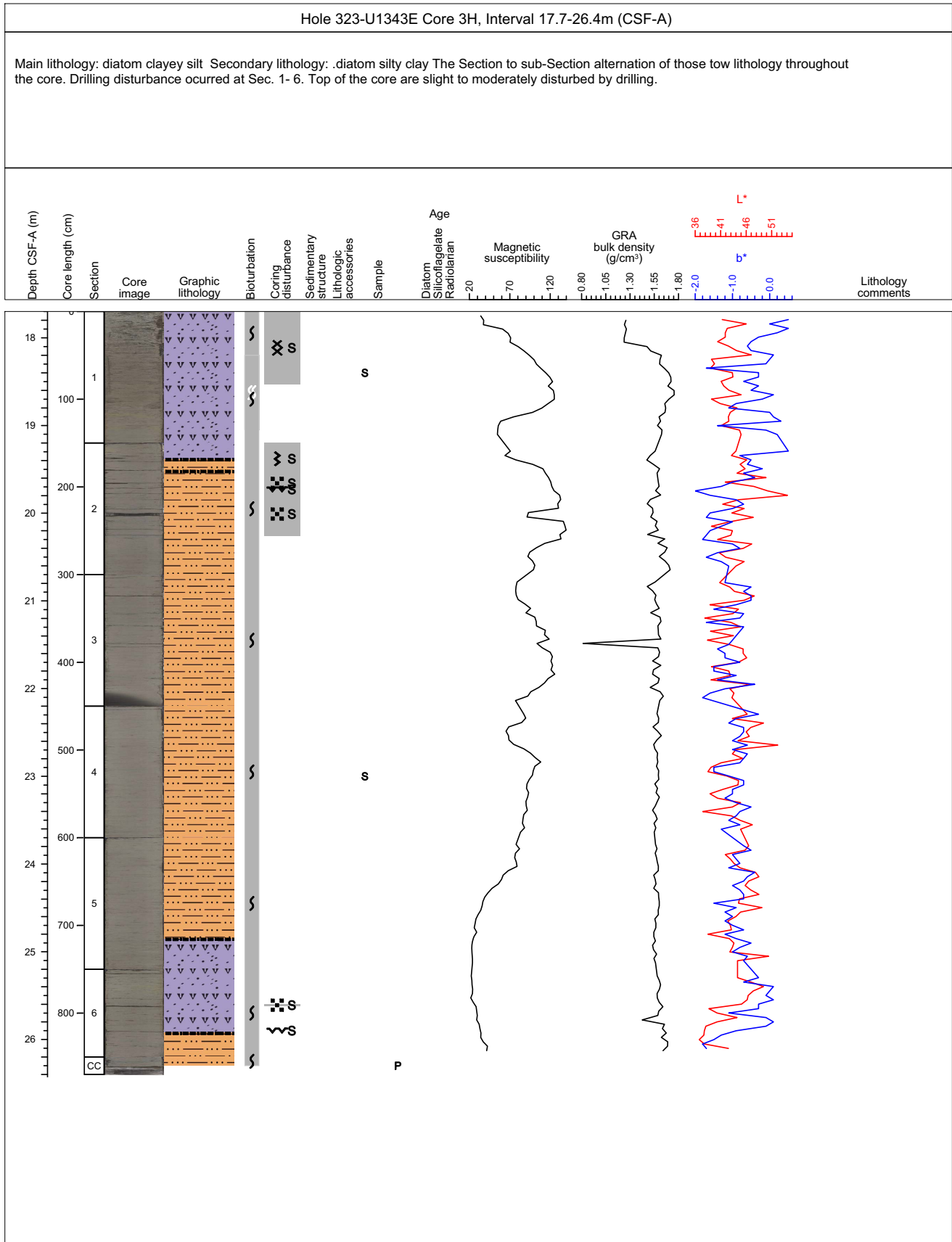
Main lithology: Diatom-rich silty clay. Main lithology occurred throughout the core except for the top 20 cm of the core. The 20 cm of the core is the olive diatom silt. Ash mottling present in the most part of the core. Slight to moderate bioturbated. No aparent drilling disturbance was recognized.



Core Photo



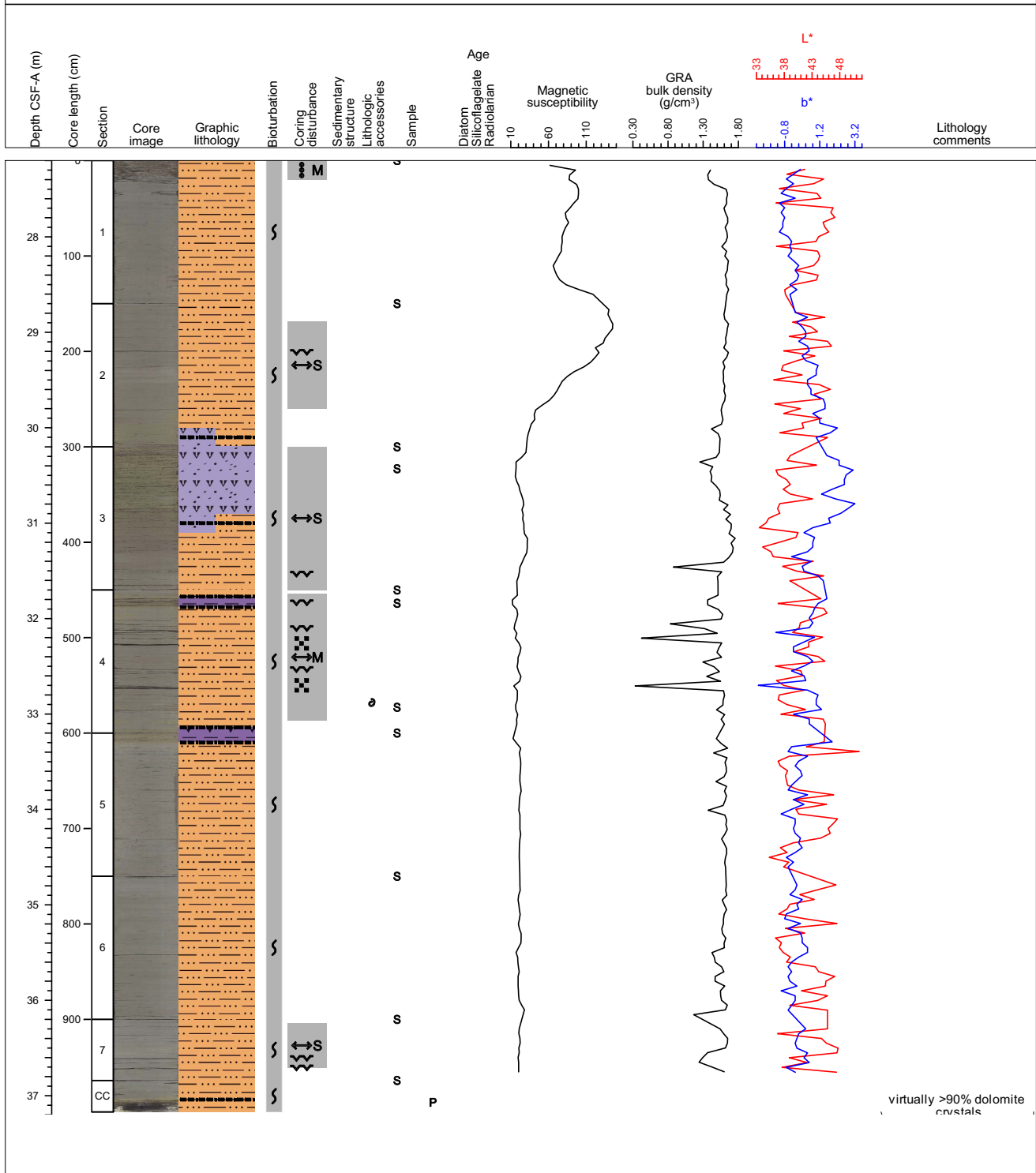
Core Photo



Core Photo

Hole 323-U1343E Core 4H, Interval 27.2-37.17m (CSF-A)

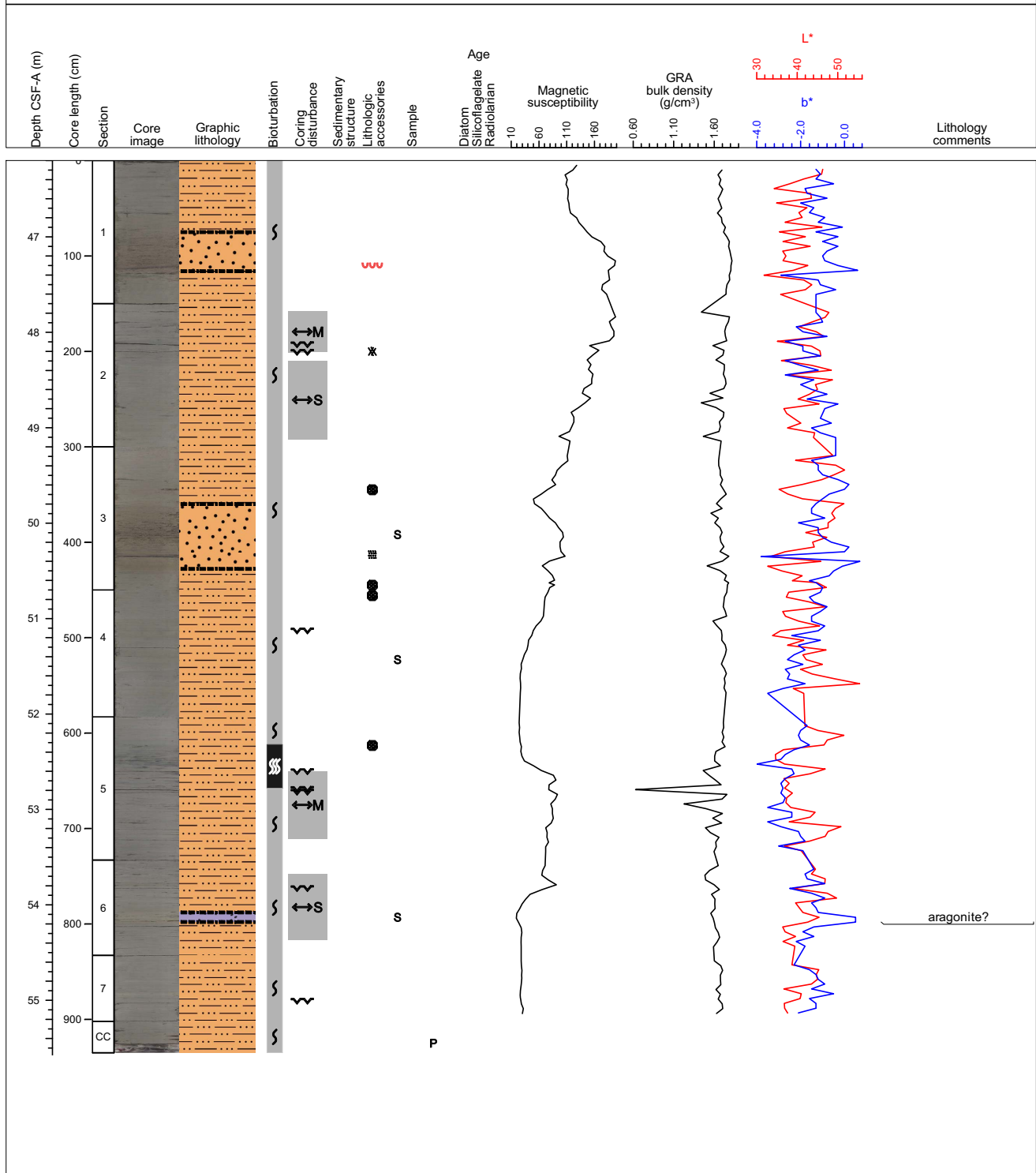
Major lithologies: dark greenish gray diatom silt and dark to very dark greenish gray diatom-rich clayey silt grade into one another. Two foraminifera-rich, greenish intervals occur in sections 3 and 5 and an interval of authigenic carbonates occurs at the end of the core. Bioturbation is slight throughout the core and is expressed mainly as sand filled mottles or dark chondrites facies. Drilling disturbance is slight to moderate as gas expansion caused the core to crack throughout.



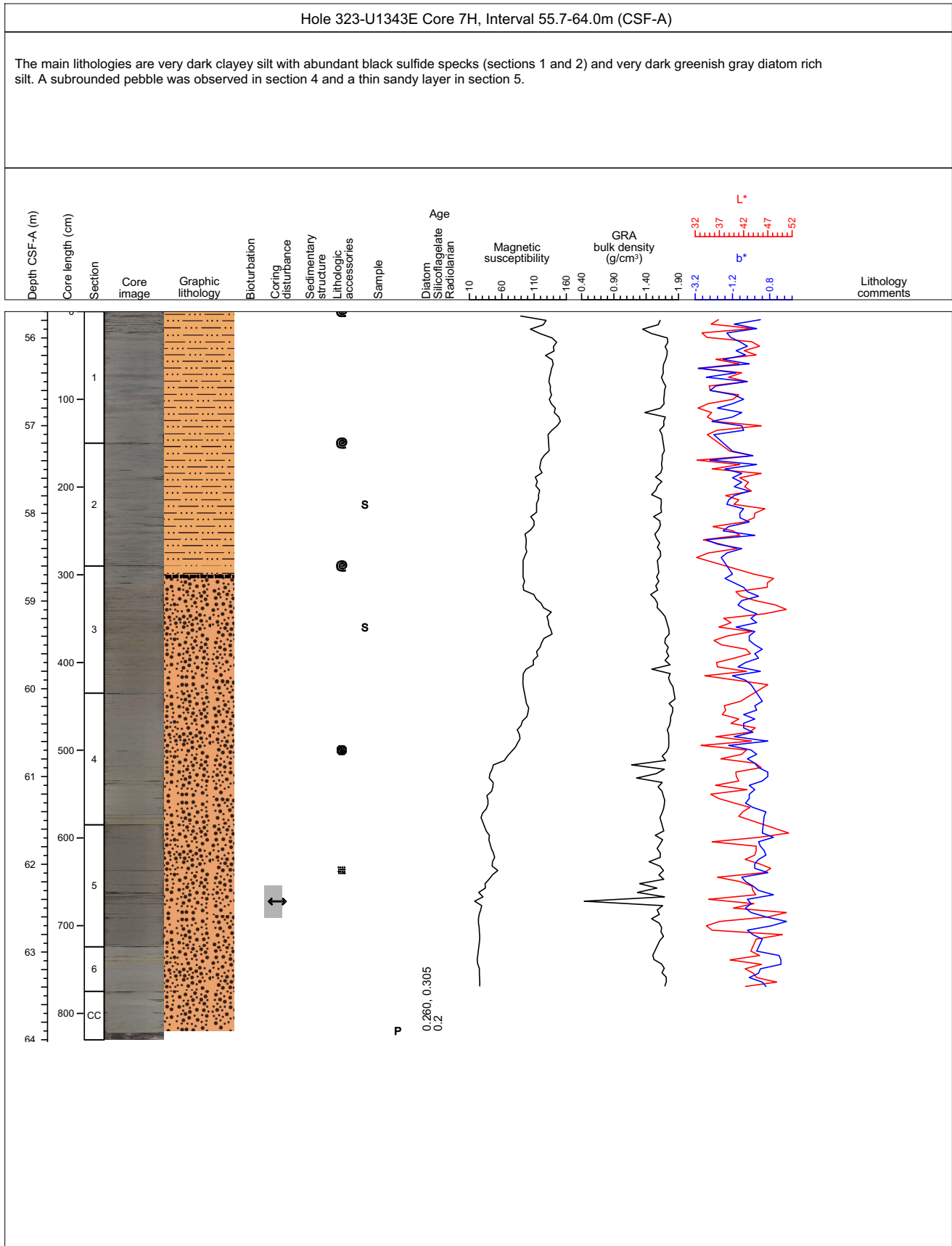
Core Photo

Hole 323-U1343E Core 6H, Interval 46.2-55.55m (CSF-A)

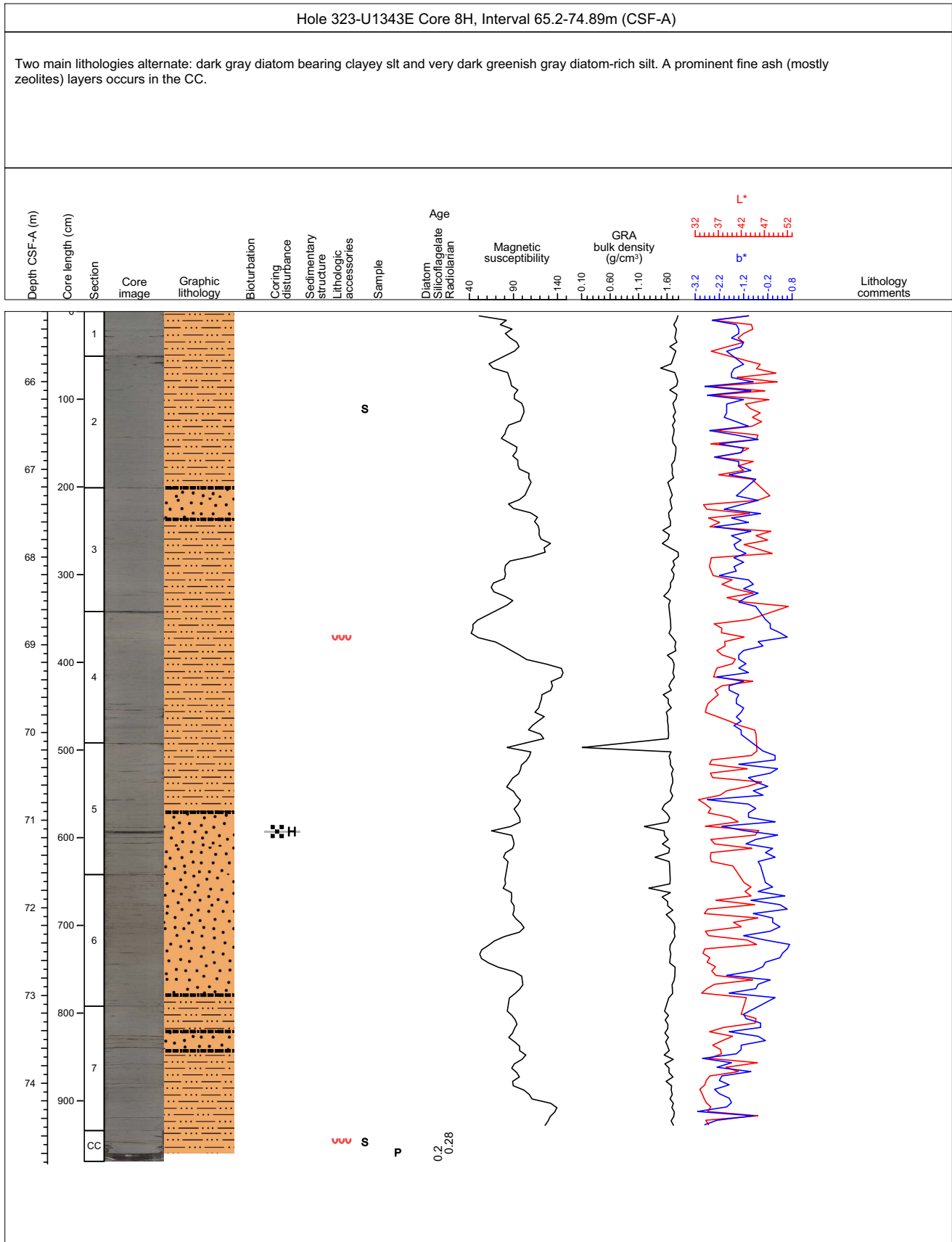
Major lithologies: gray clayey silt and dark olive gray diatom-rich silt grade into one another. On 10cm interval shows evidence of authigenic aragonite. Bioturbation is slight throughout the core except in section 5 where pyrite mottles cover ~40% of the core surface. Sand mottles are common. Gas expansion caused the core to crack throughout although the disturbance is only slight.



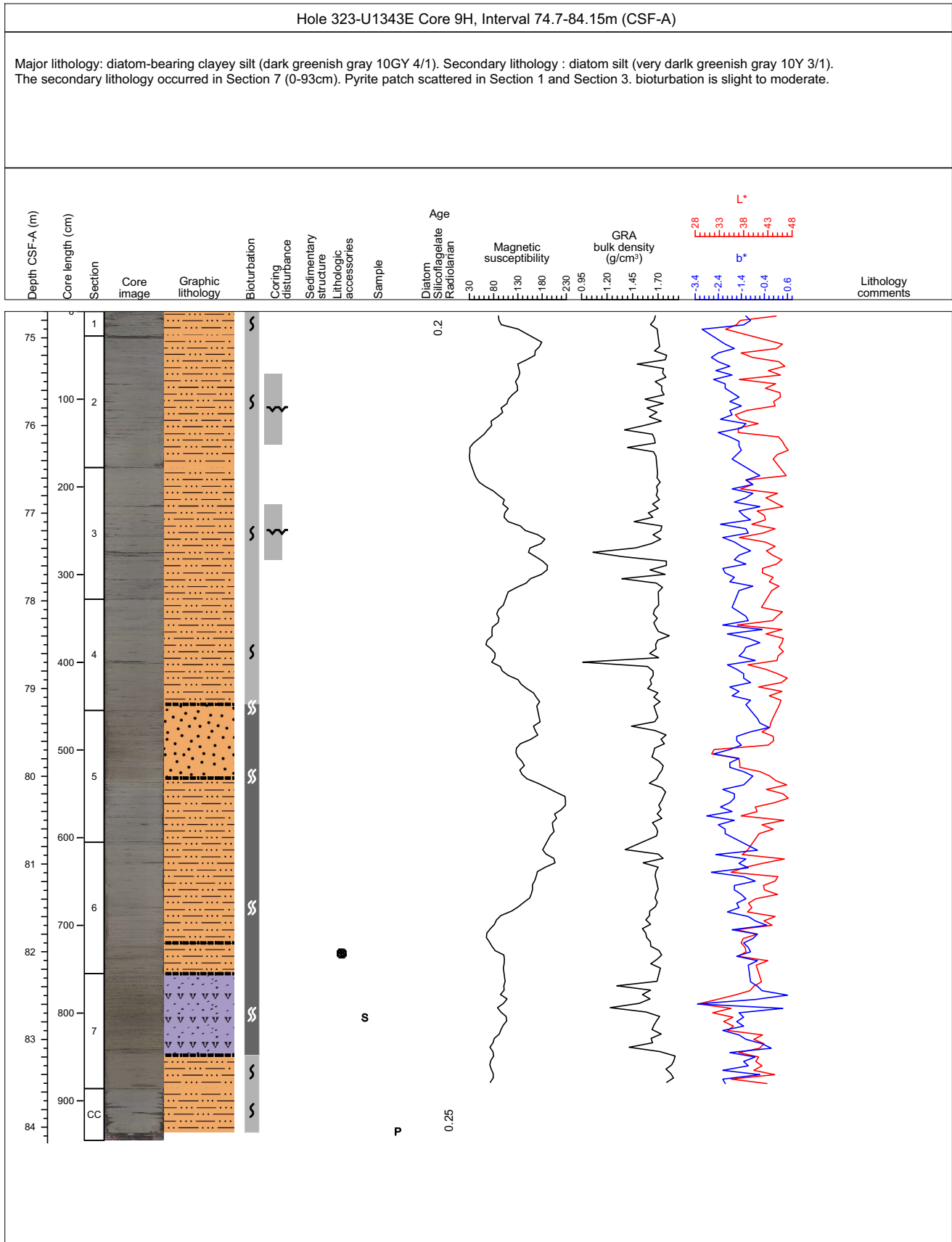
Core Photo



Core Photo



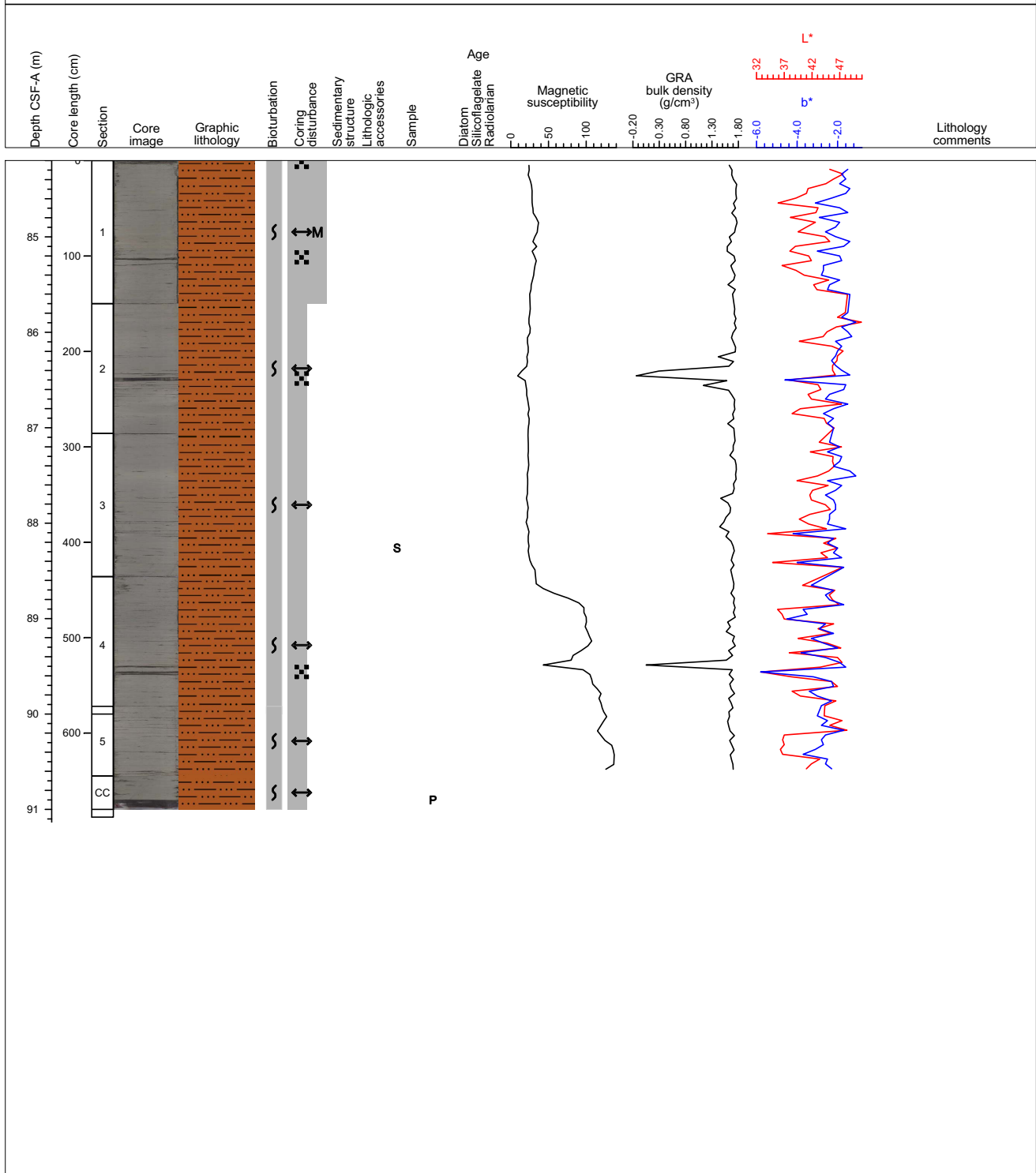
Core Photo



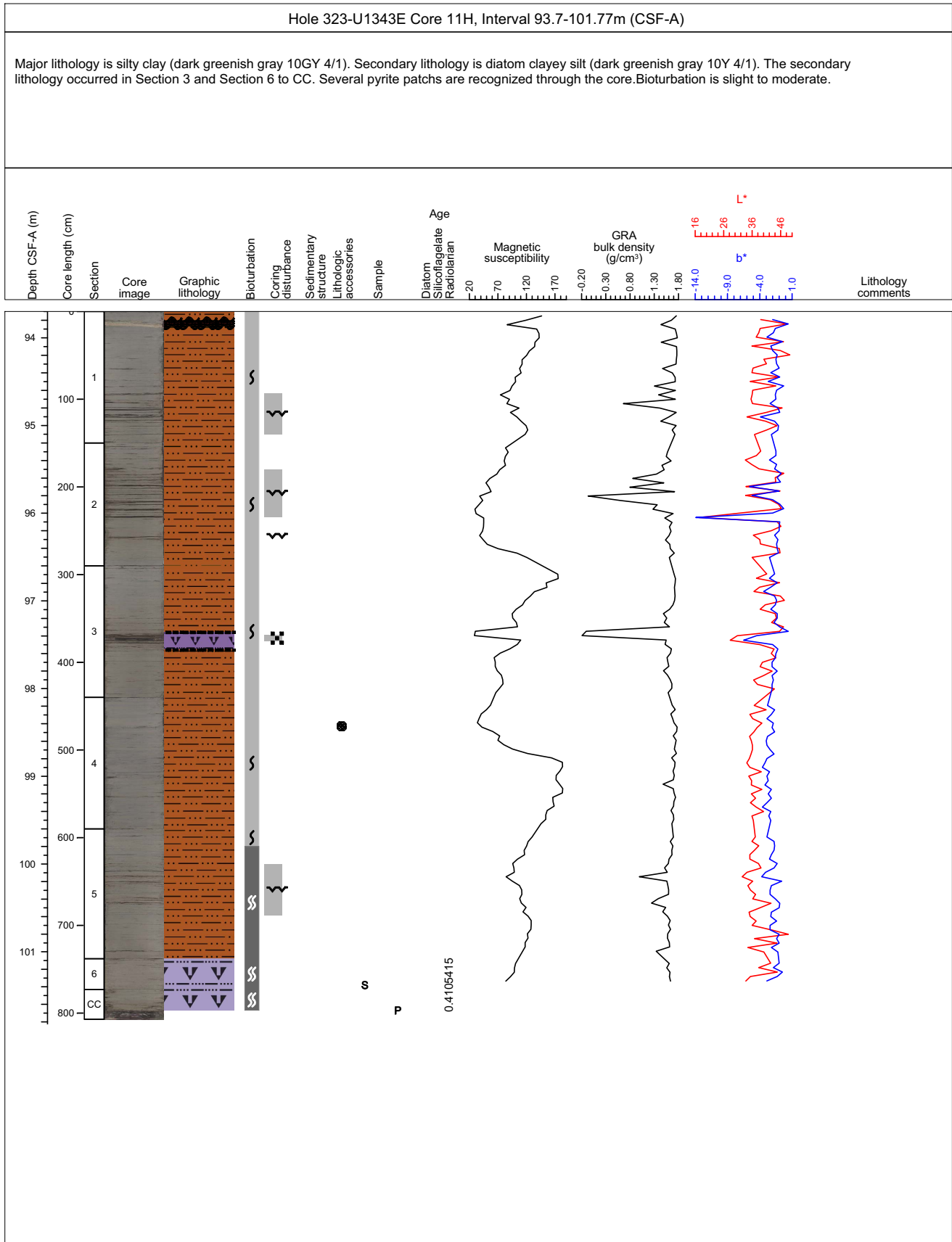
Core Photo

Hole 323-U1343E Core 10H, Interval 84.2-91.08m (CSF-A)

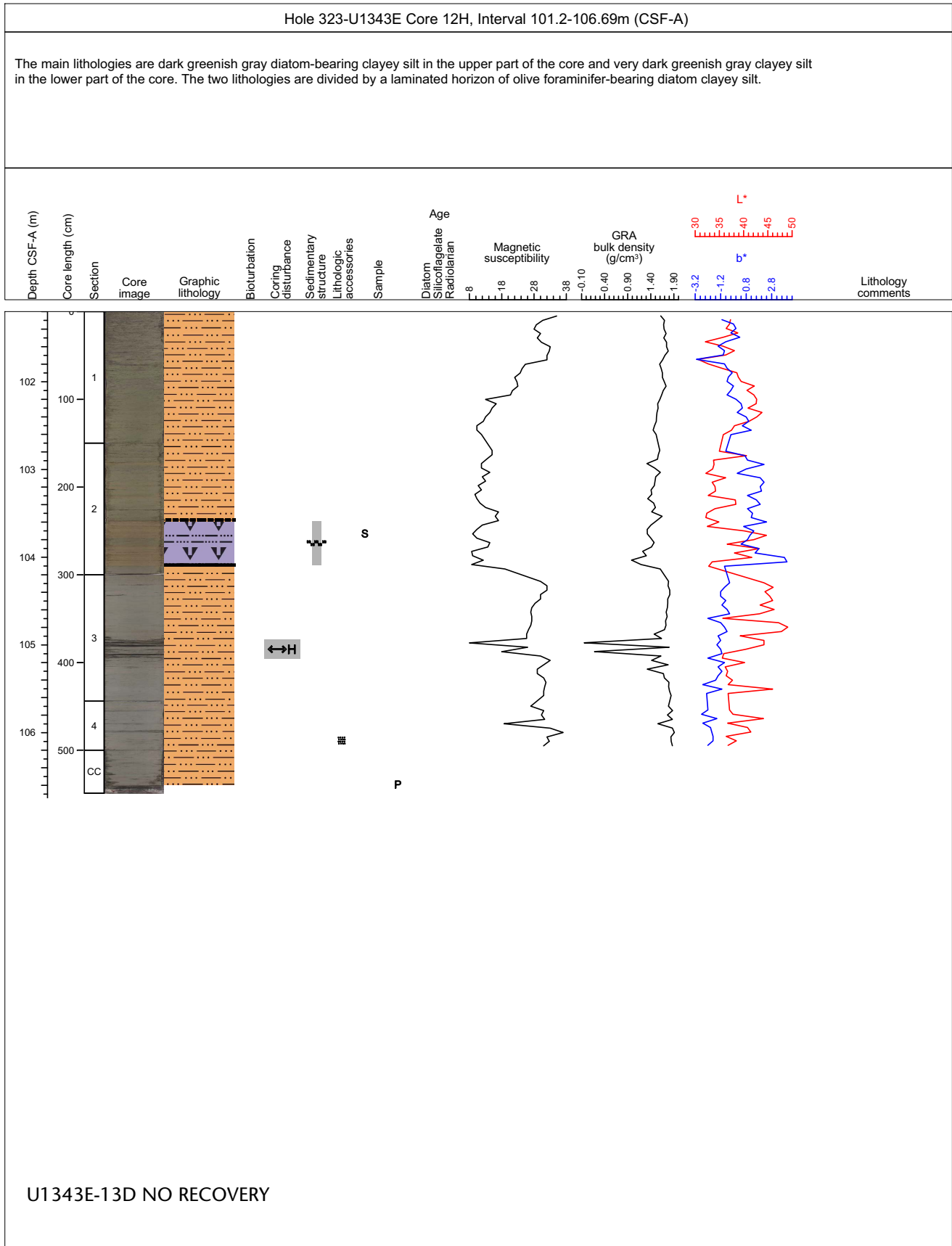
Major lithology: dark greenish gray silty clay. Bioturbation is slight throughout and expressed mainly as sandy mottles. Gas expansion caused cracks across the surface of the core and void intervals in sections 1, 2, and 4.



Core Photo



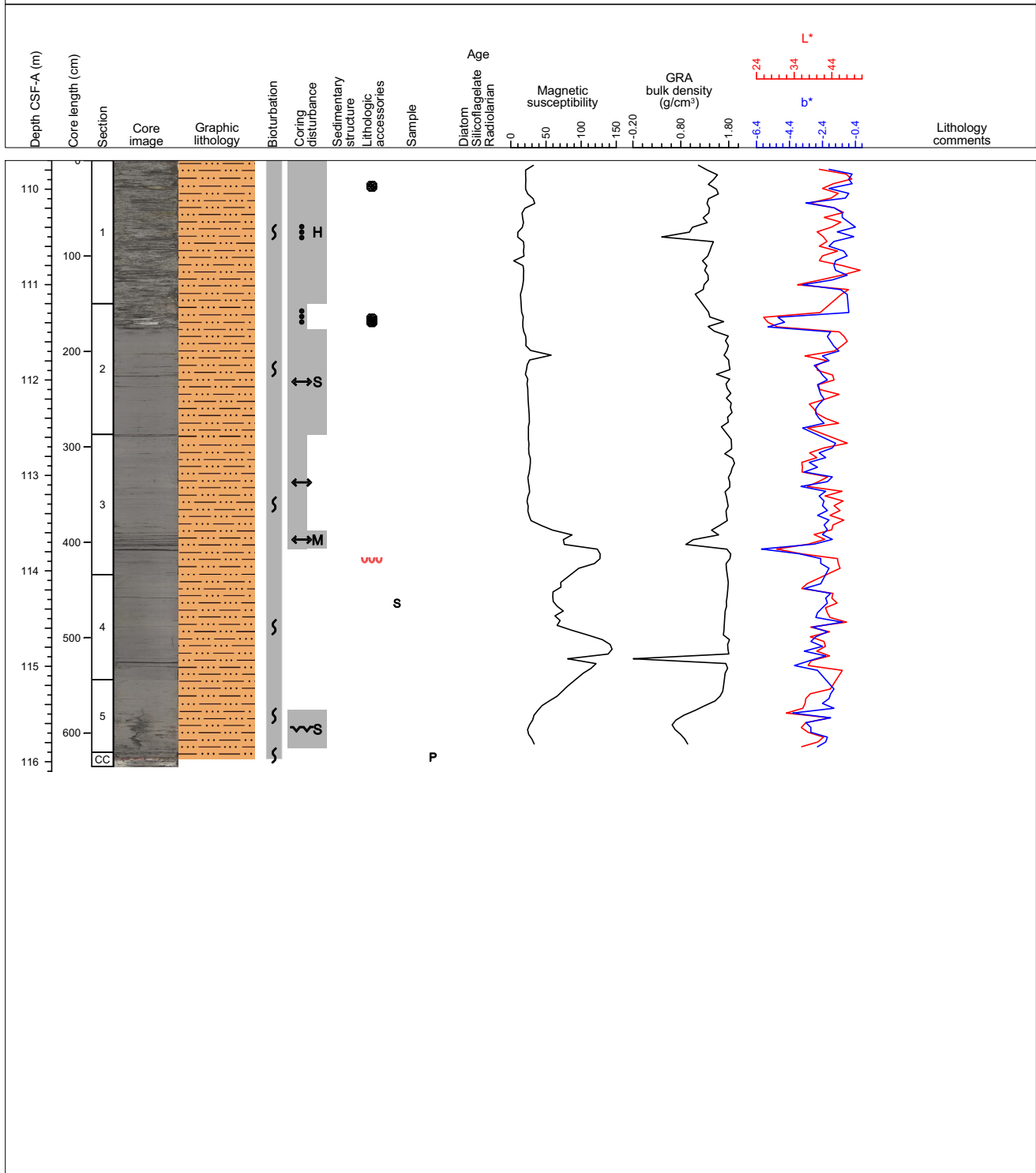
Core Photo



Core Photo

Hole 323-U1343E Core 14H, Interval 109.7-116.05m (CSF-A)

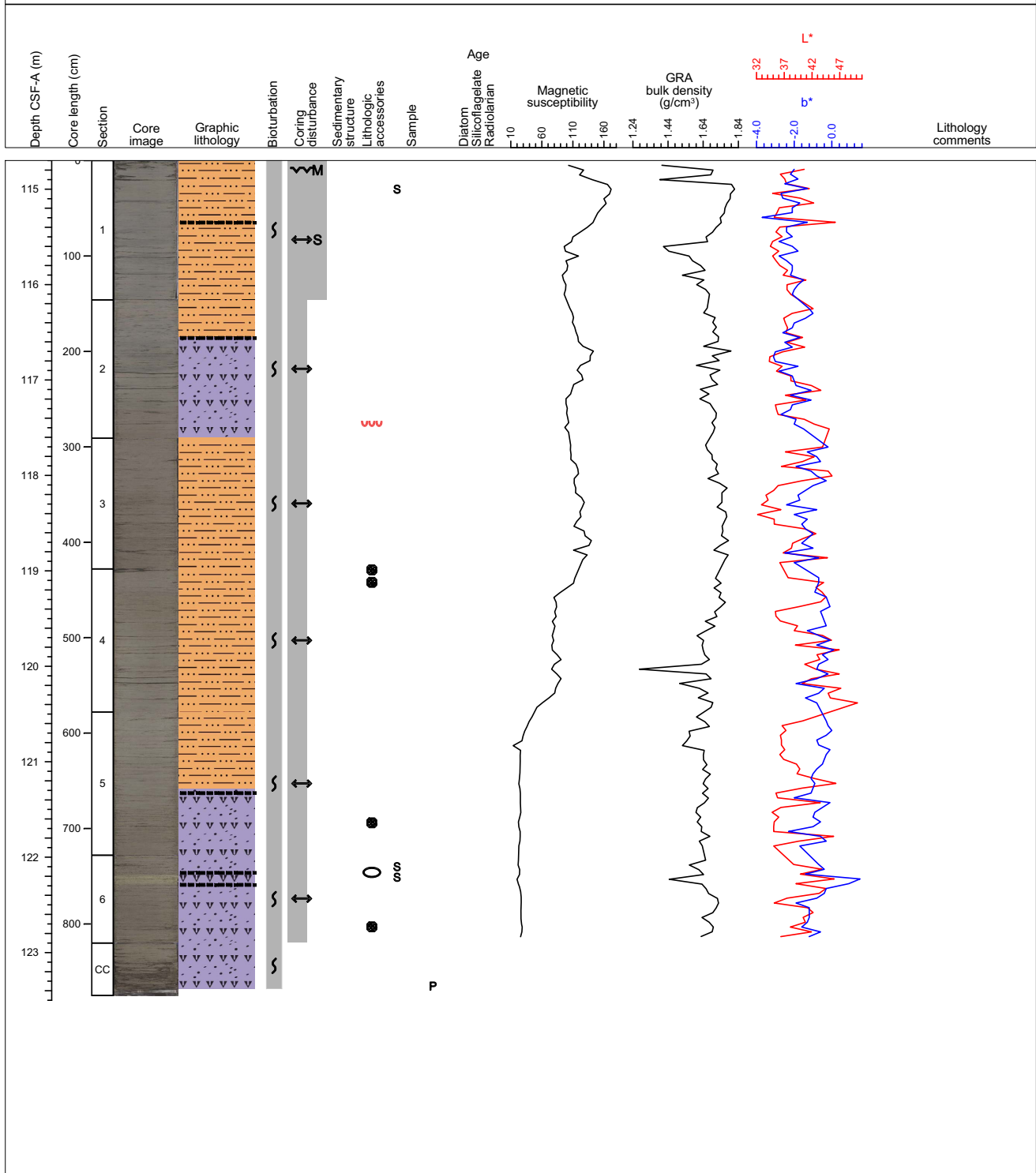
Major lithologies: Soupy to soft, dark gray to dark greenish gray diatom-rich clayey silt; clasts in sections 1 and 2; slight bioturbation; slight to moderate gas expansion, heavy disturbance and soupy texture in section 1 and upper section 2 due to drilling and flushing of Core 13H



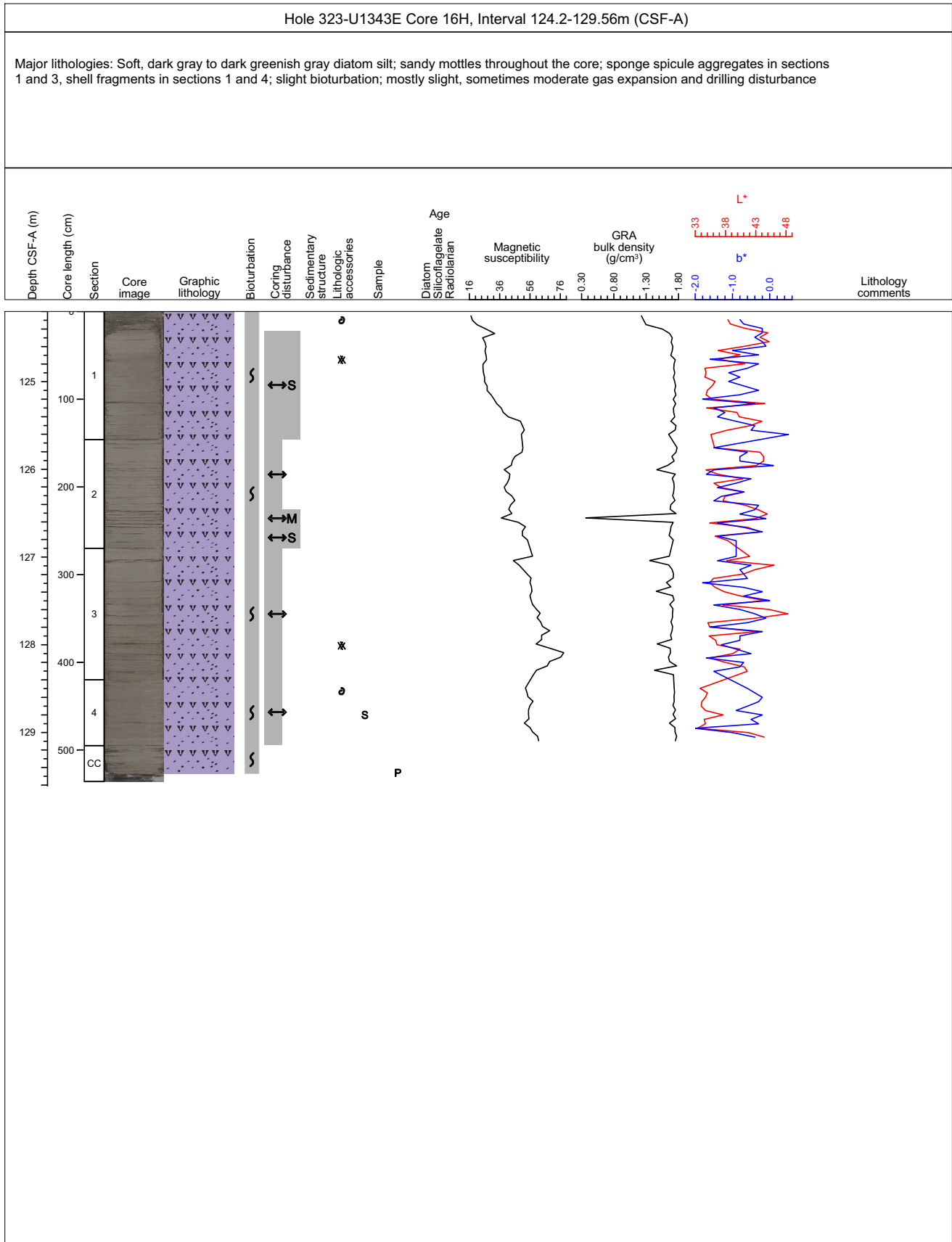
Core Photo

Hole 323-U1343E Core 15H, Interval 114.7-123.45m (CSF-A)

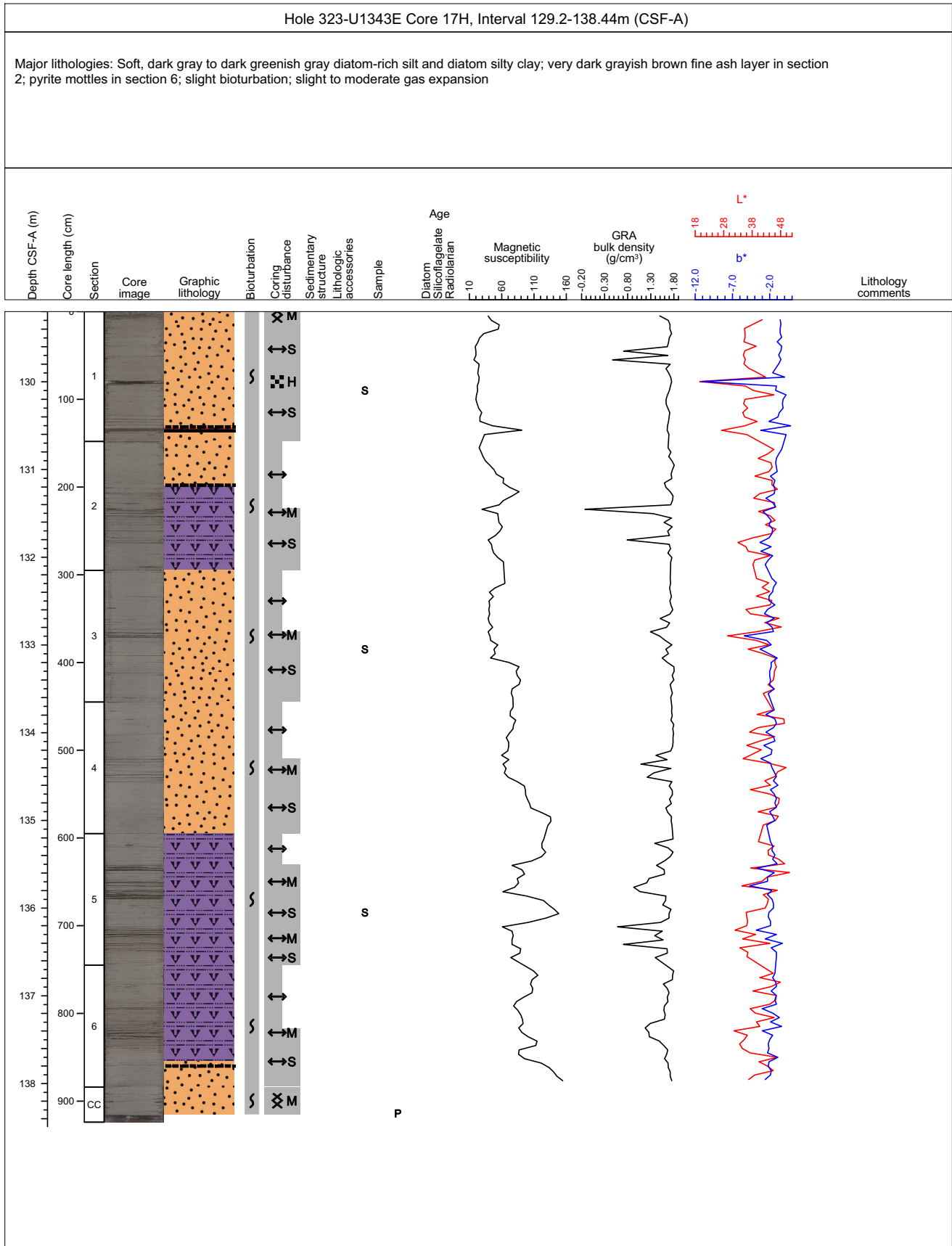
Major lithologies: Soft, dark gray to very dark greenish gray to dark greenish gray diatom-rich clayey silt and diatom silt, minor olive authigenic carbonate-rich diatom silt in section 6; gradational boundaries between different colours; occasional pebbles and fine pebbles; sandy mottles throughout most of the core, pyrite mottles in sections 1 and 2; slight bioturbation; slight to moderate gas expansion and drilling disturbance



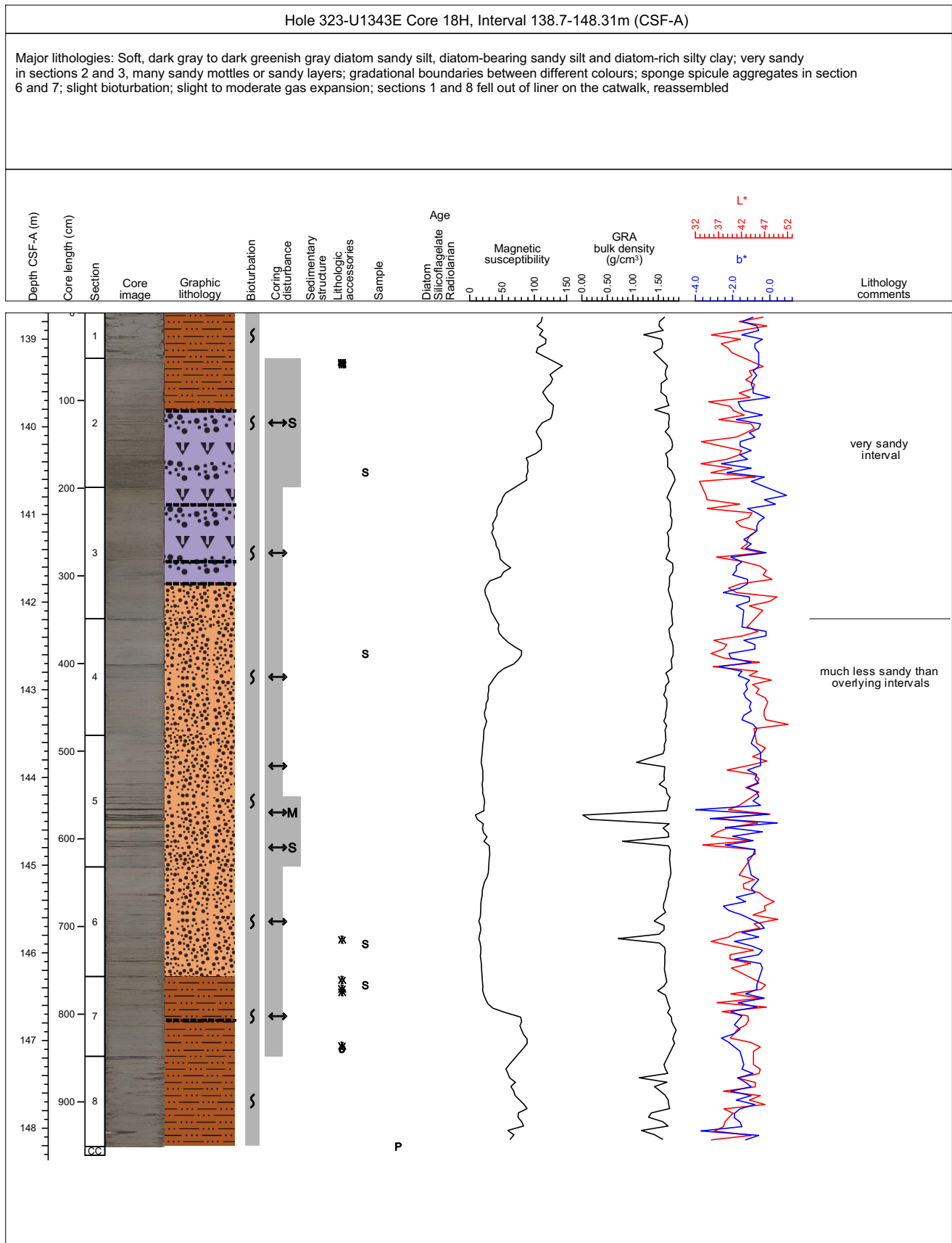
Core Photo



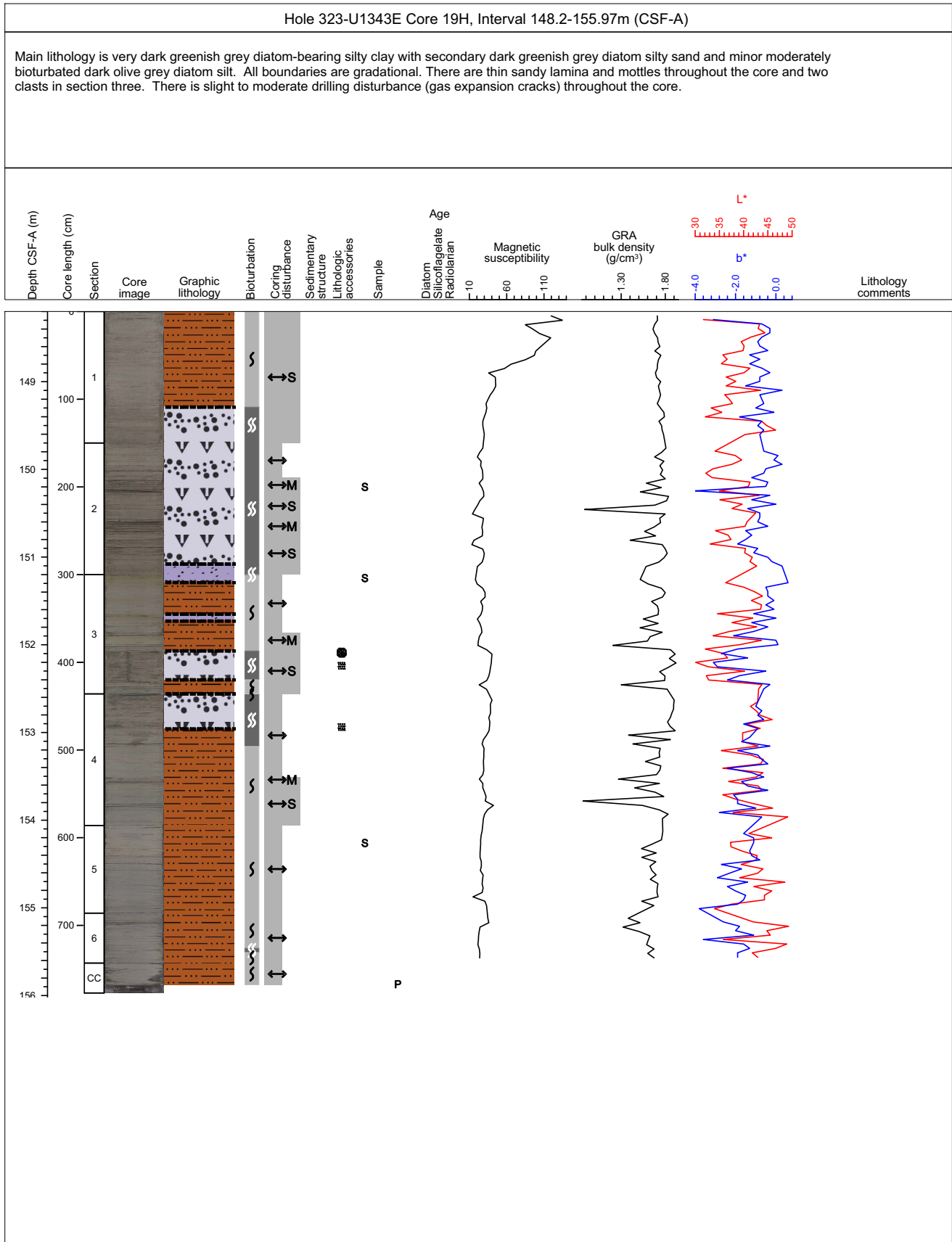
Core Photo



Core Photo



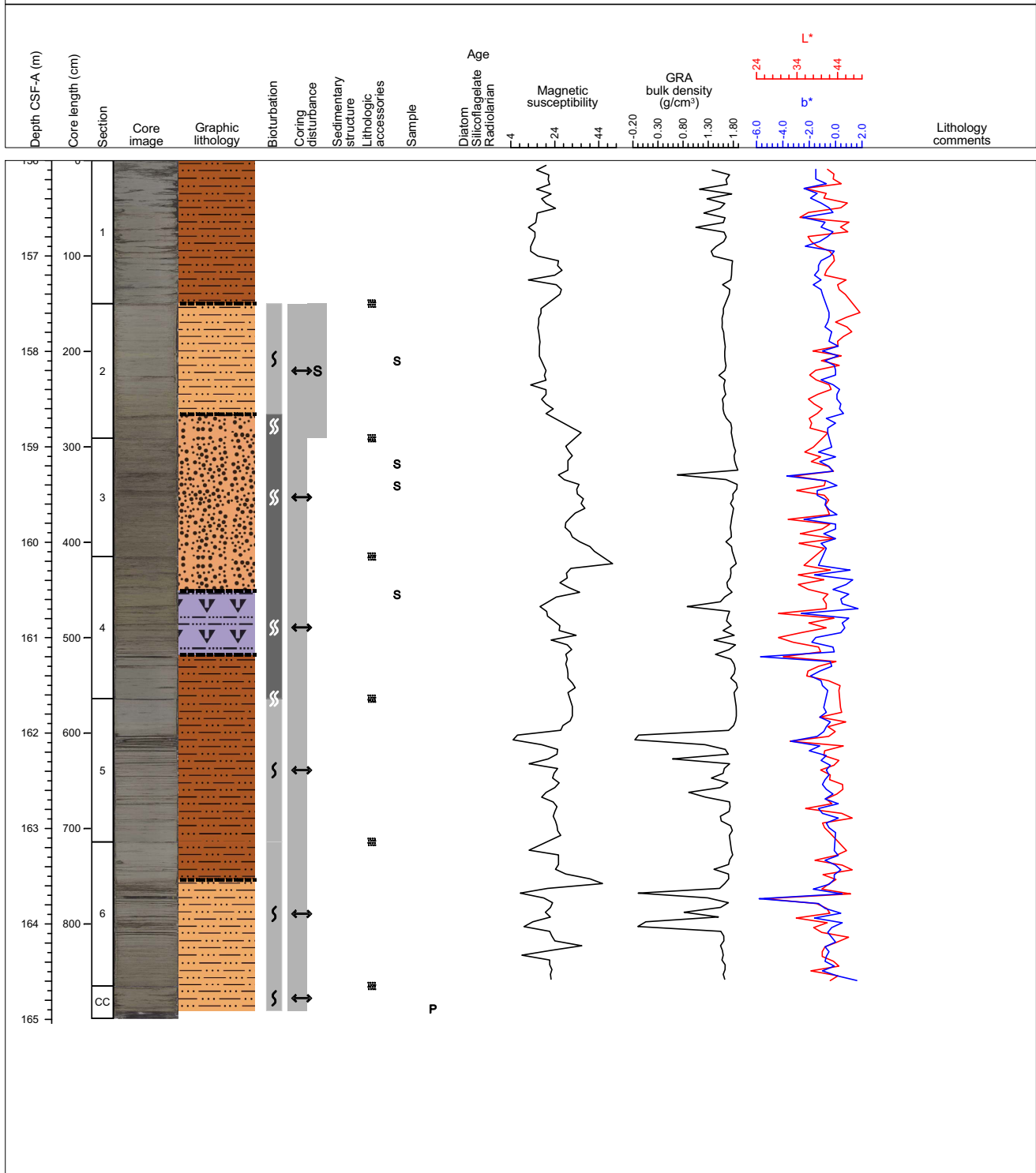
Core Photo



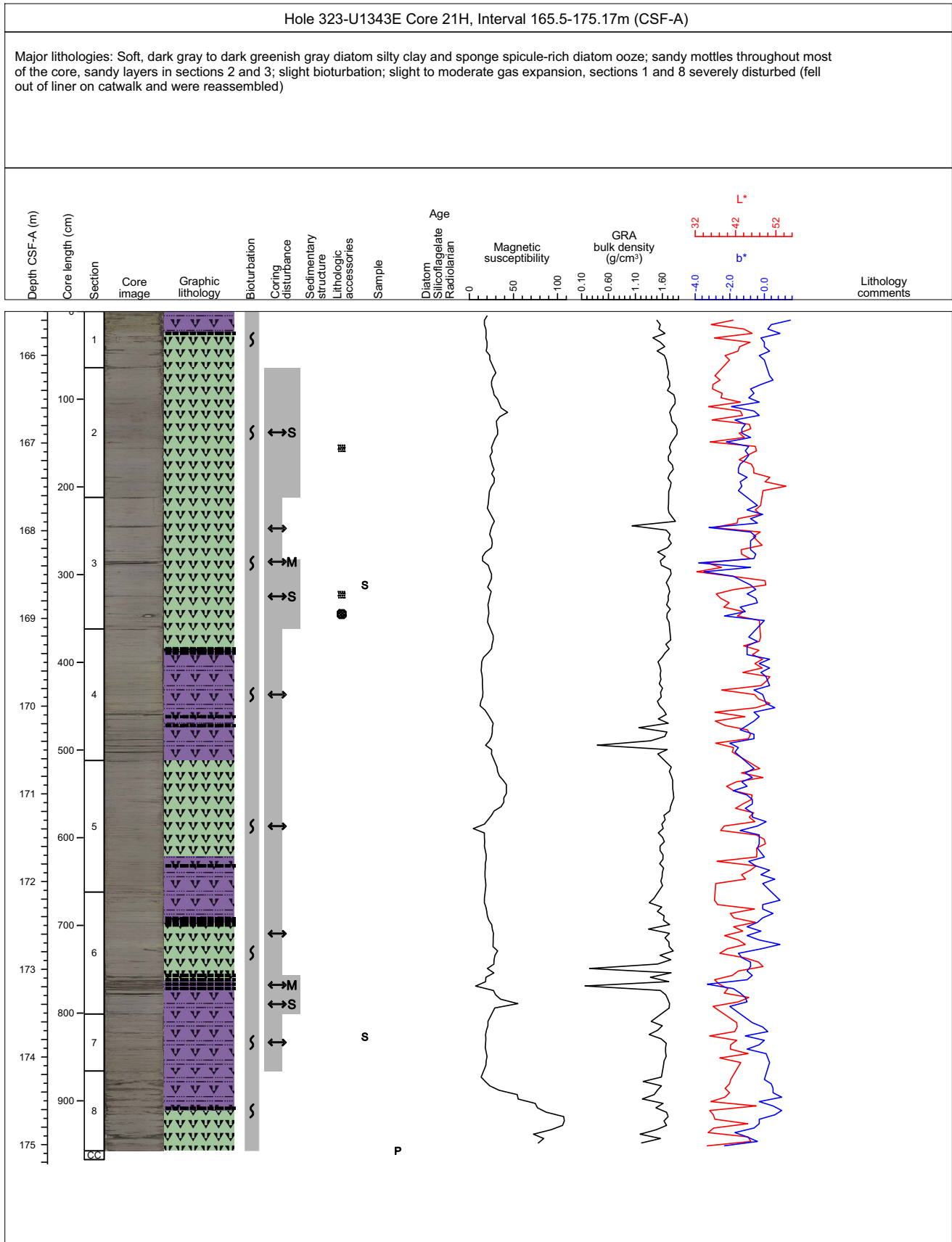
Core Photo

Hole 323-U1343E Core 20H, Interval 156.0-164.99m (CSF-A)

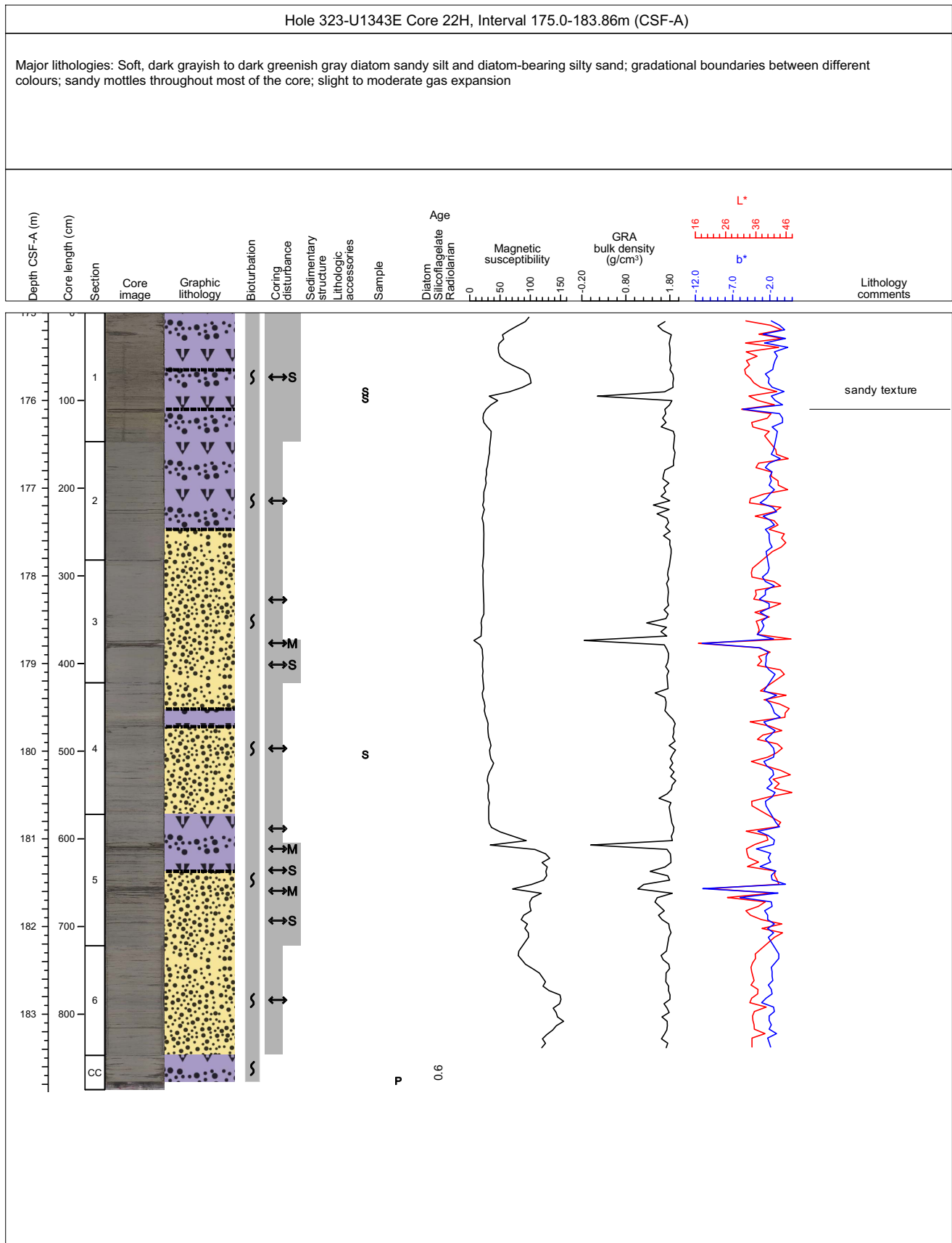
The main lithologies are dark greenish grey diatom-rich clayey silt, very dark greenish grey diatom-bearing silty clay, and dark olive grey diatom-rich sandy silt. There is minor dark olive grey diatom clayey silt. Contacts are gradational. There is slight to moderate bioturbation and sandy mottles, lamina and filled burrows throughout. Section 1 has intense drilling disturbance as the core came out of the liner due to gas expansion. All other sections have cracks and voids due to gas expansion.



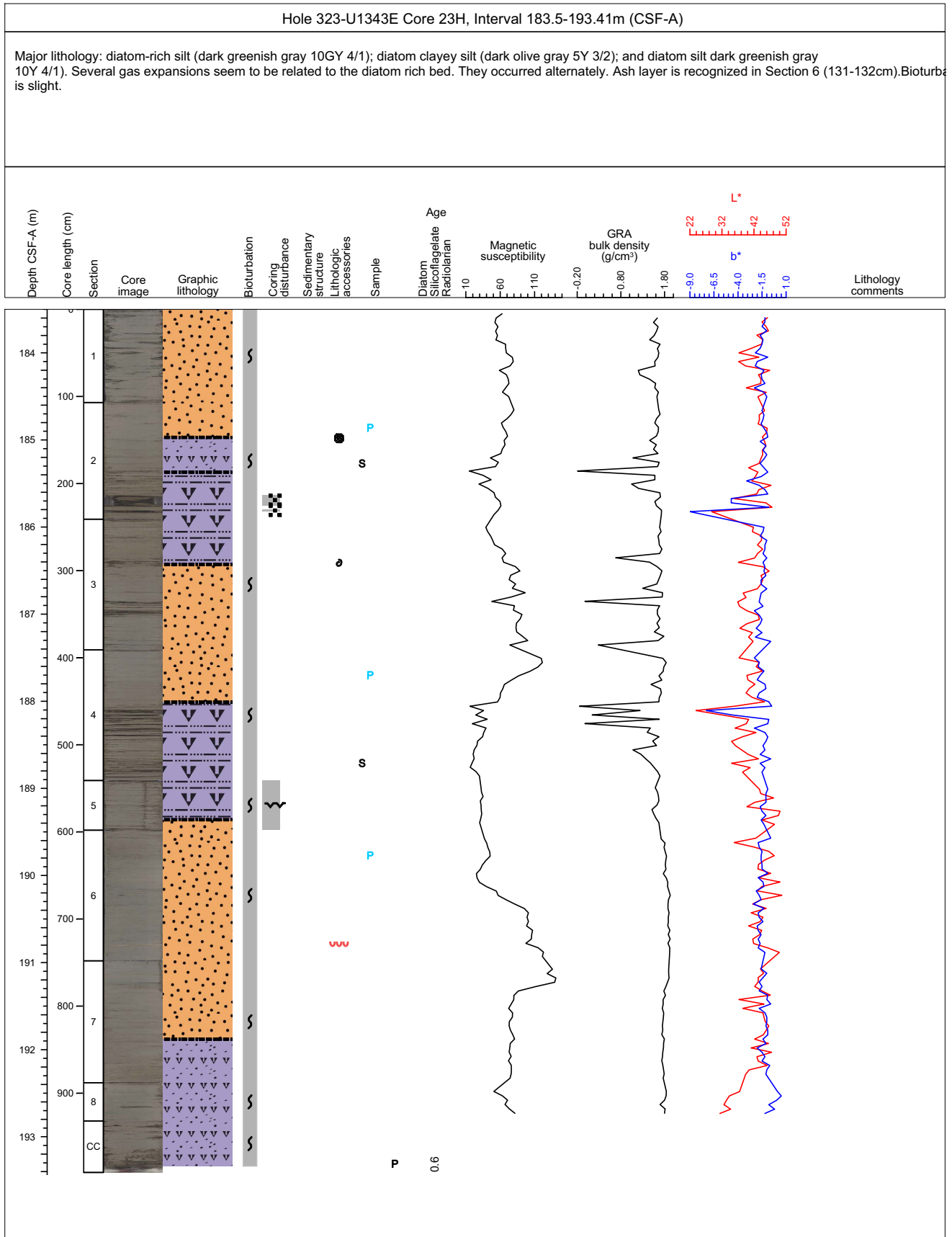
Core Photo



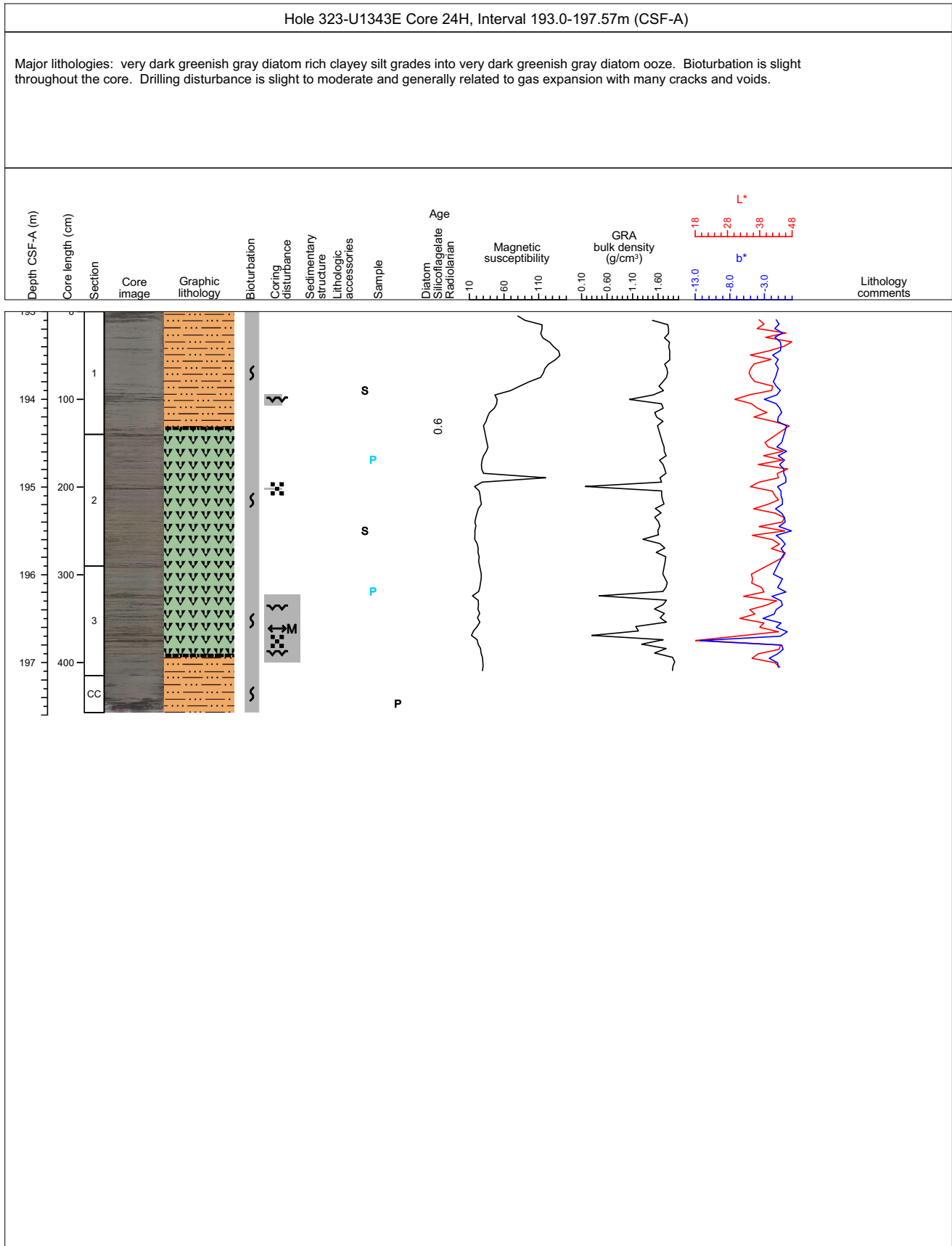
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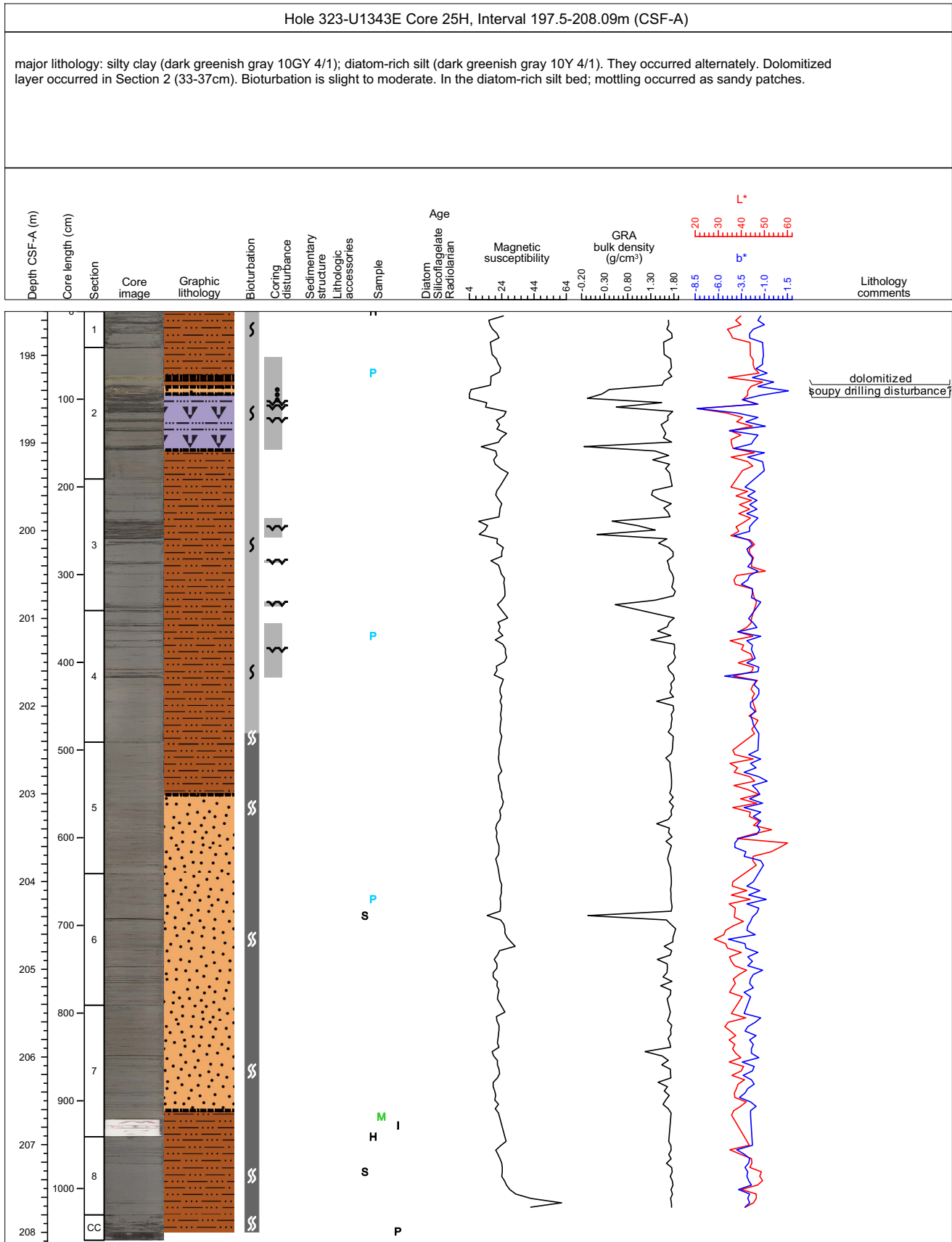
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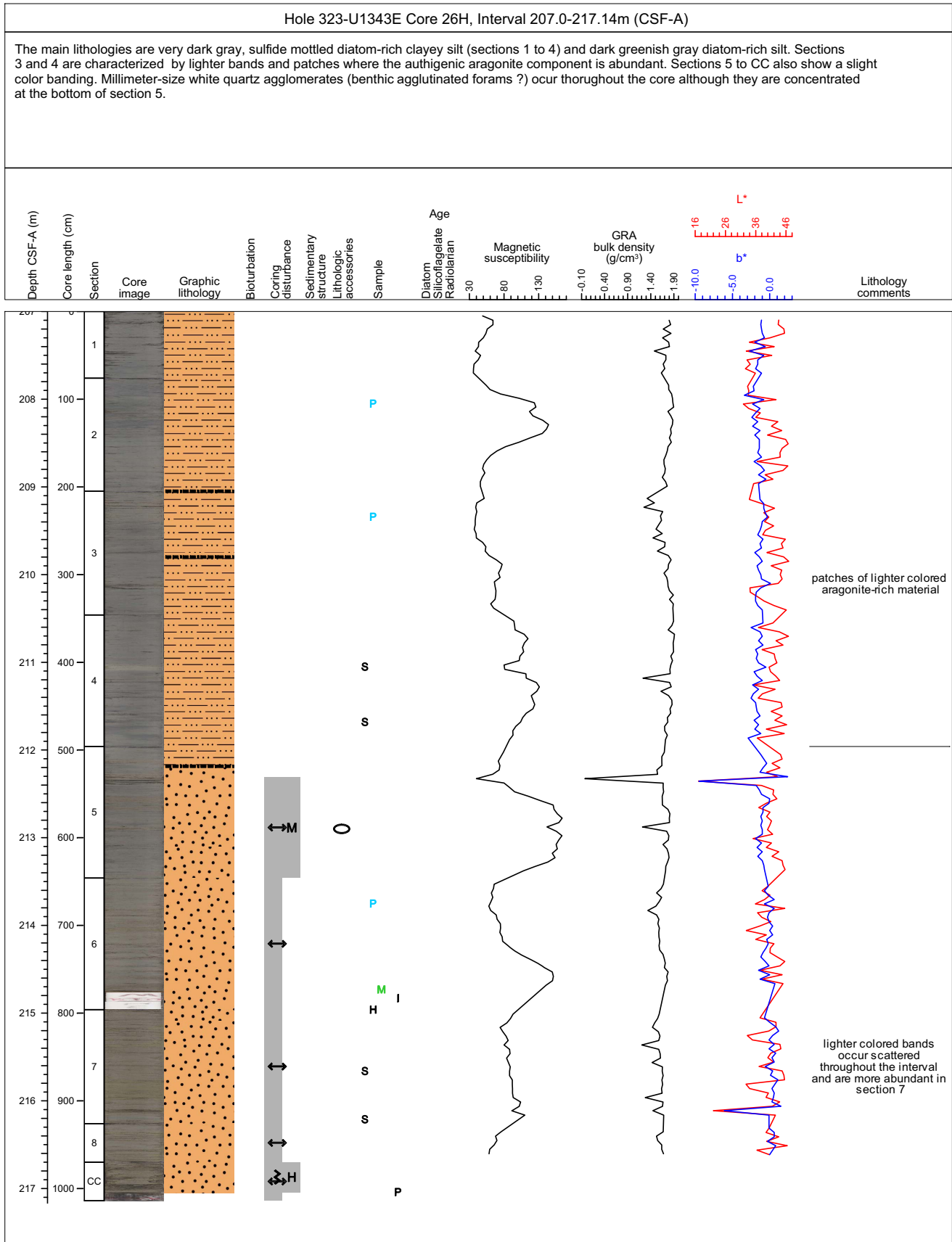
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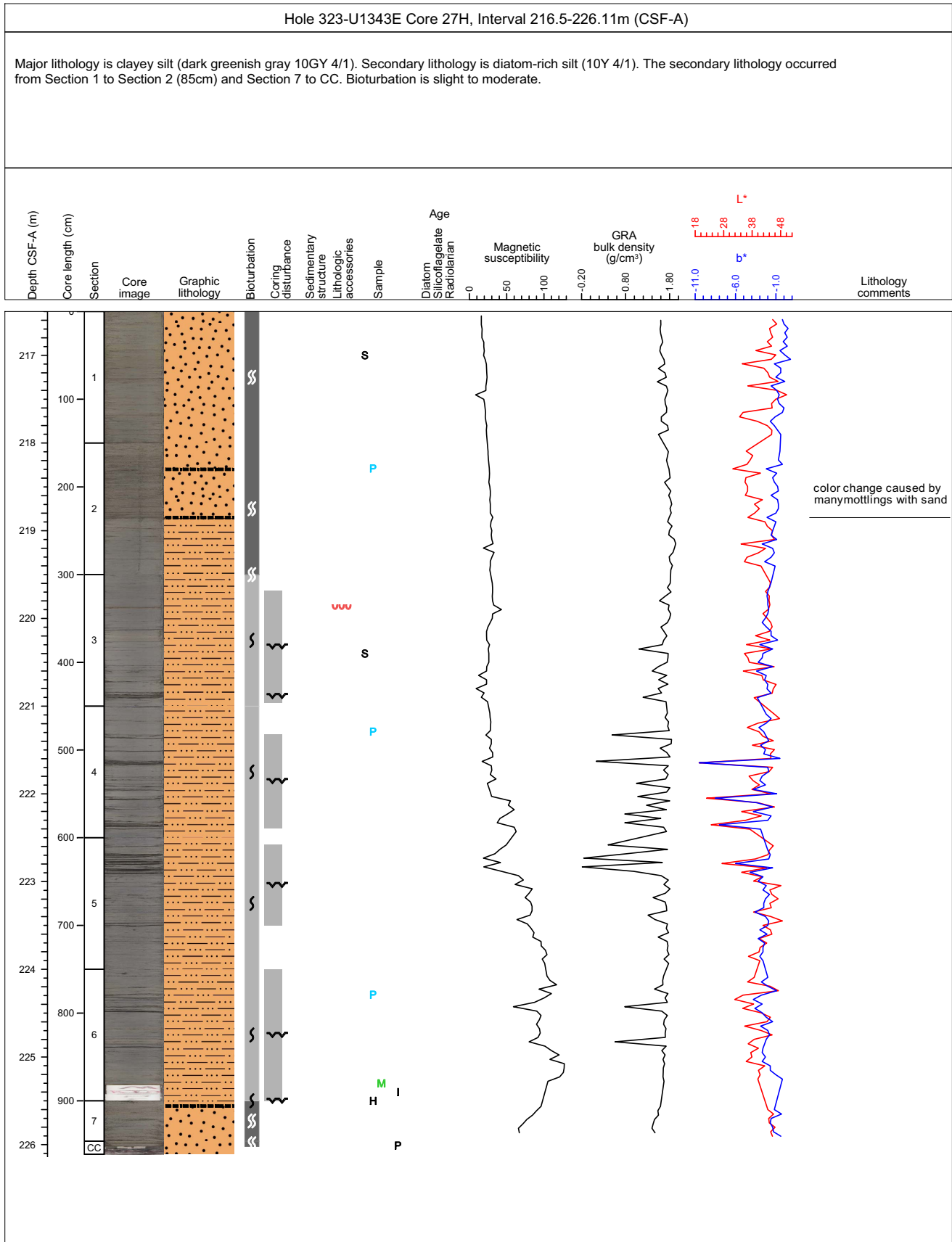
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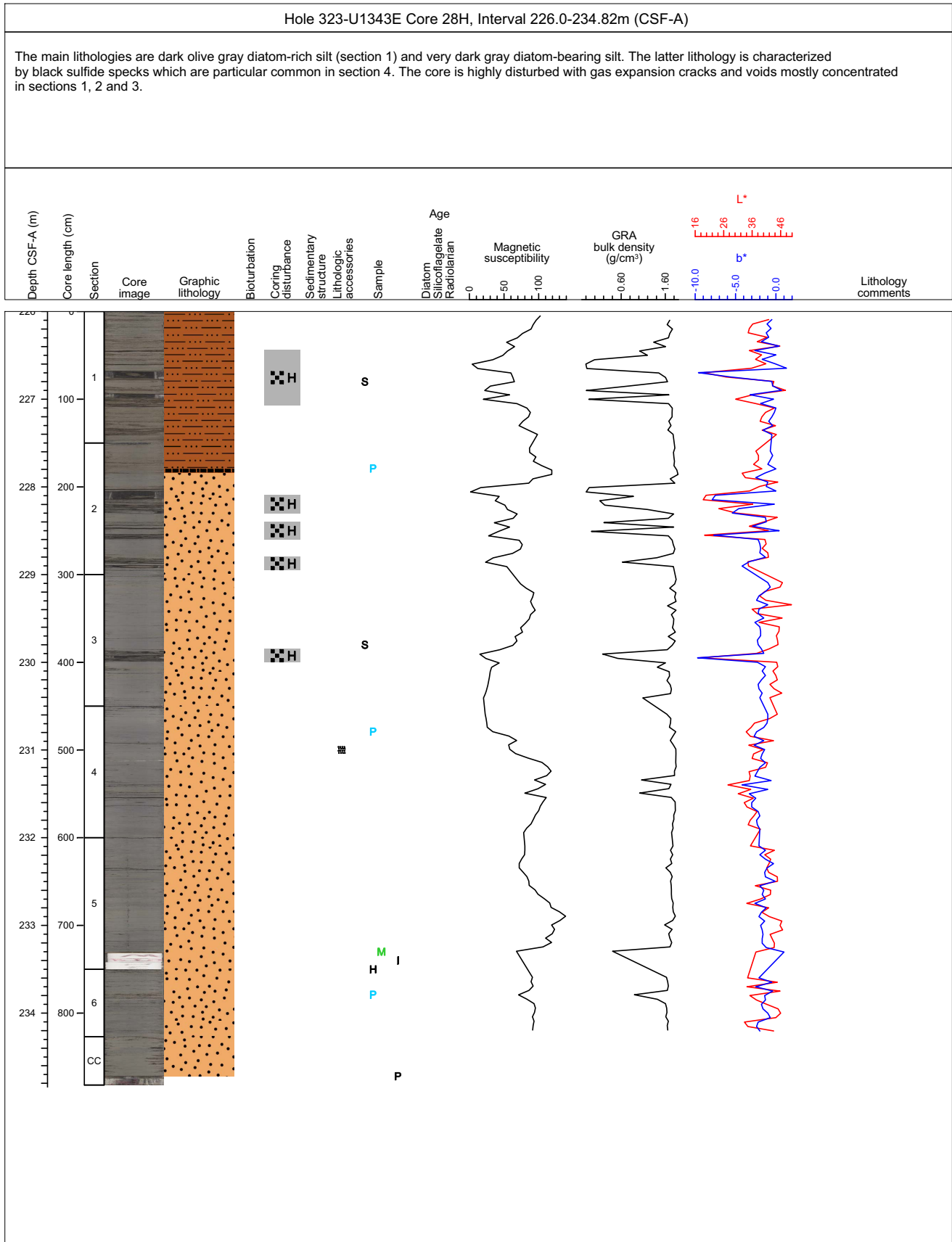
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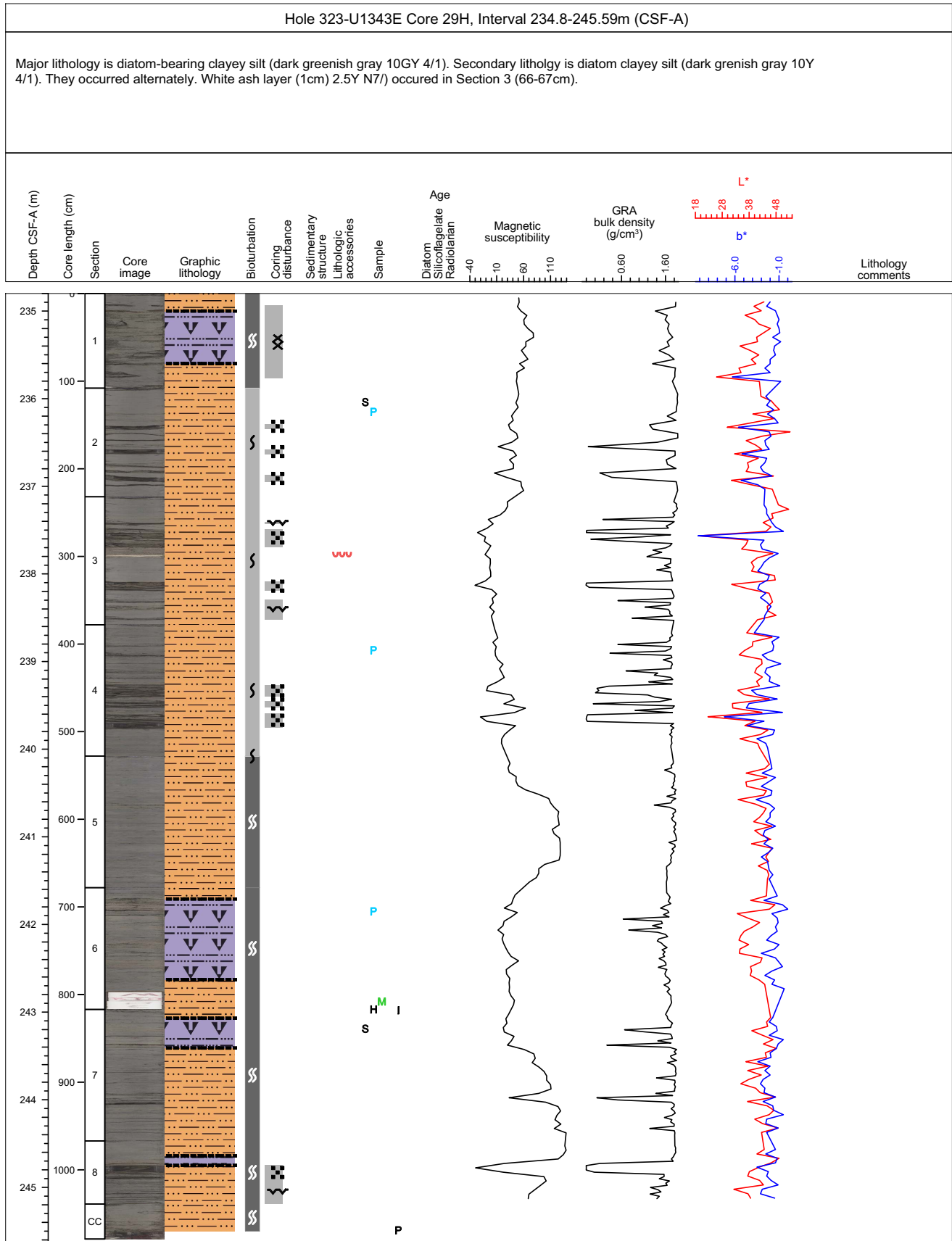
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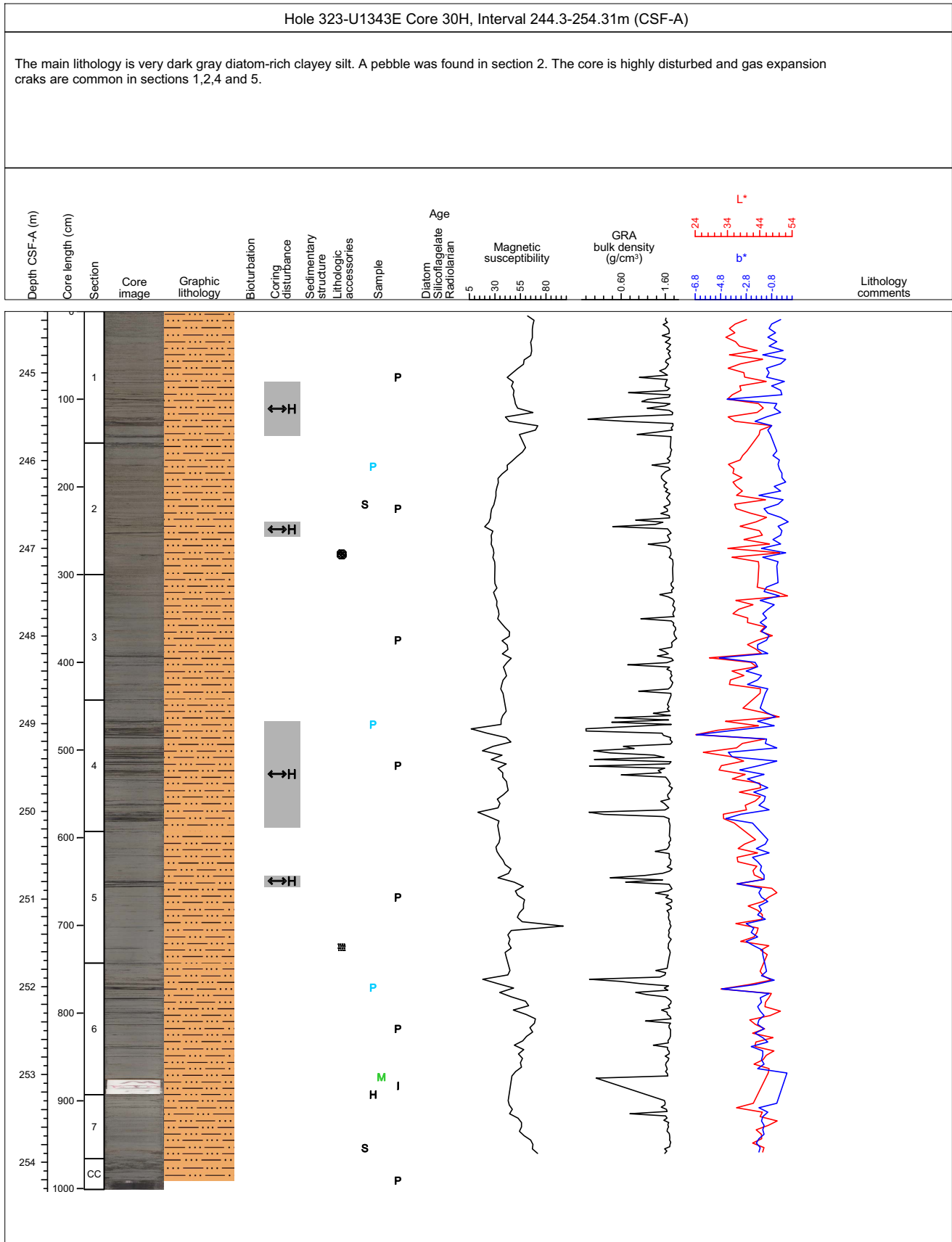
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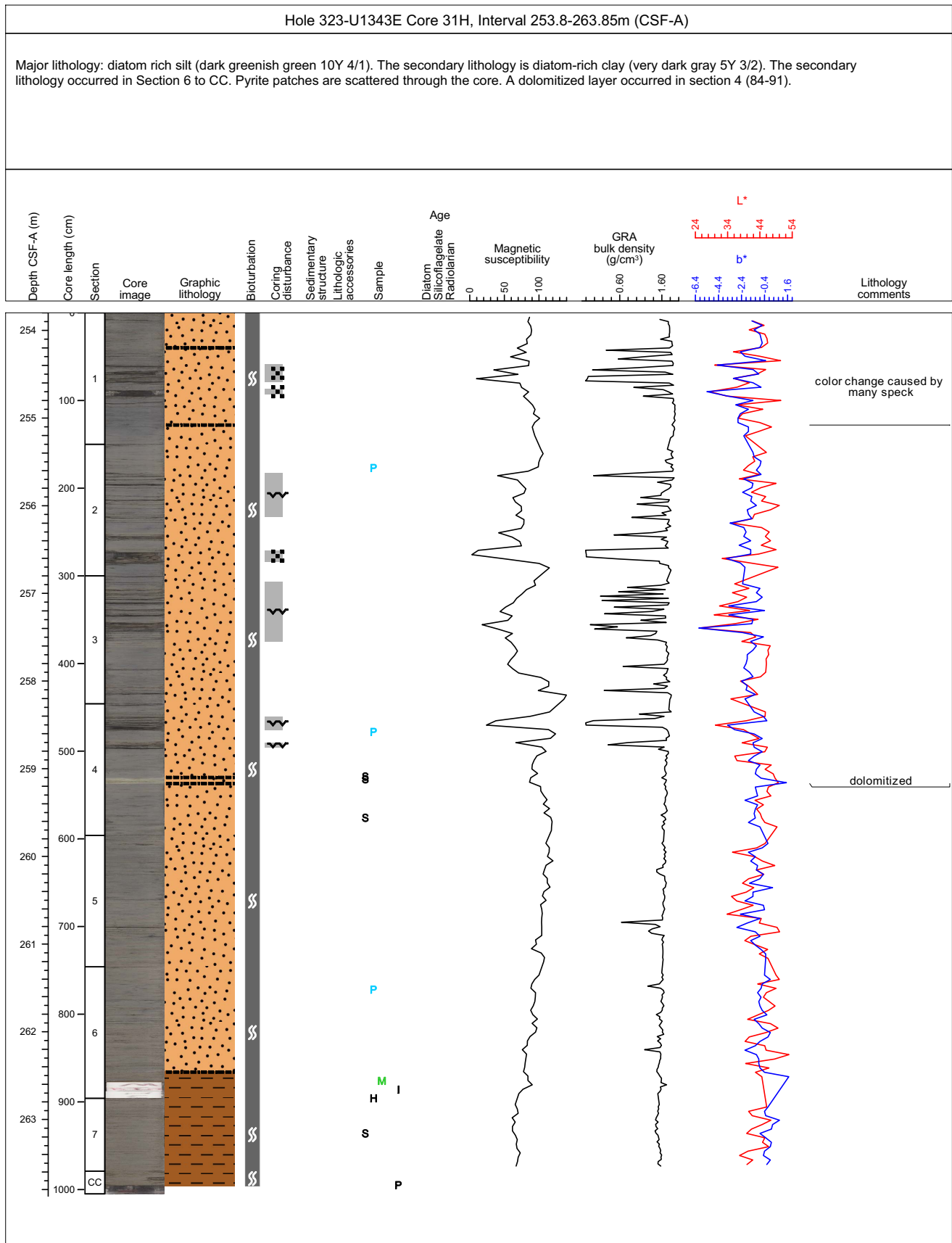
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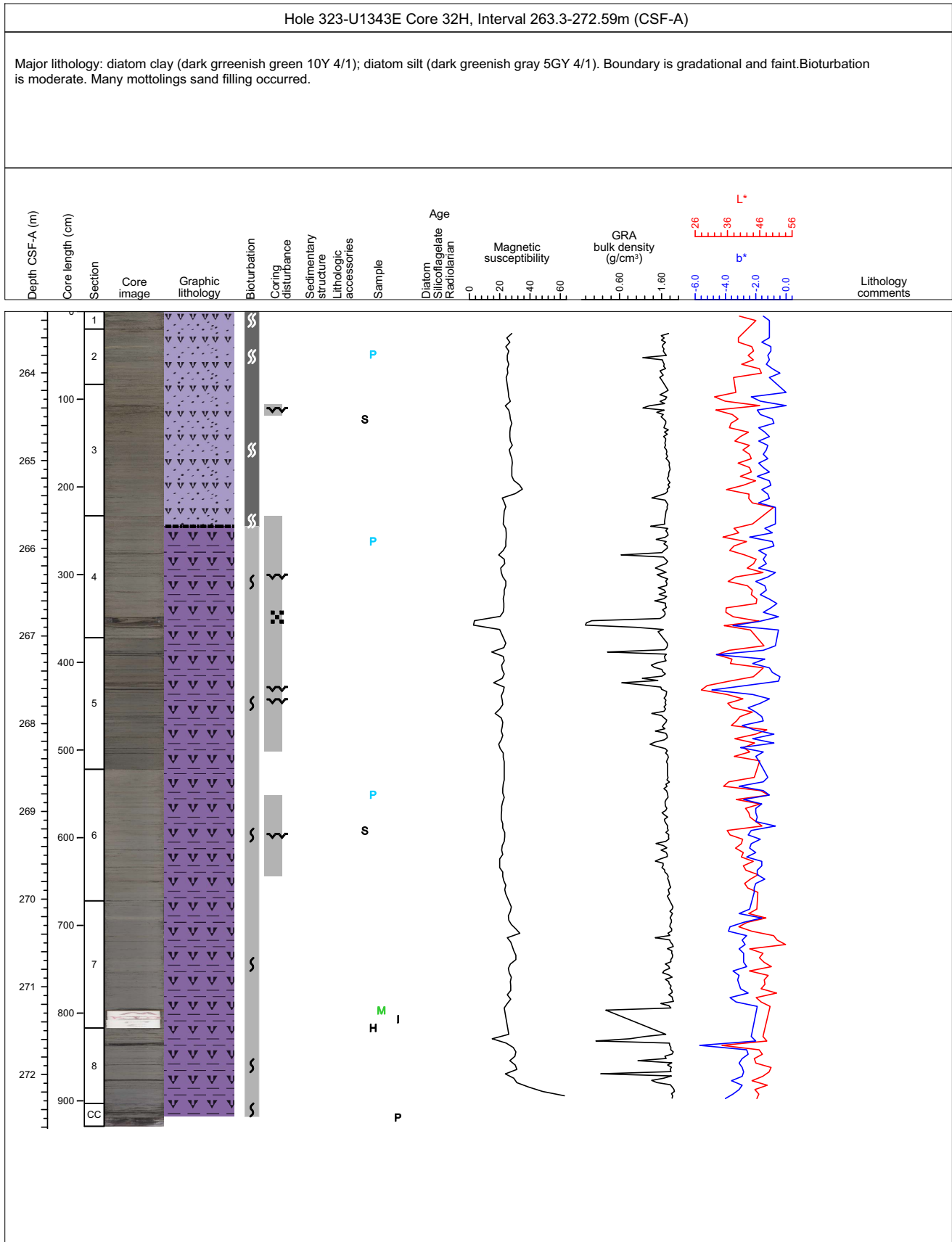
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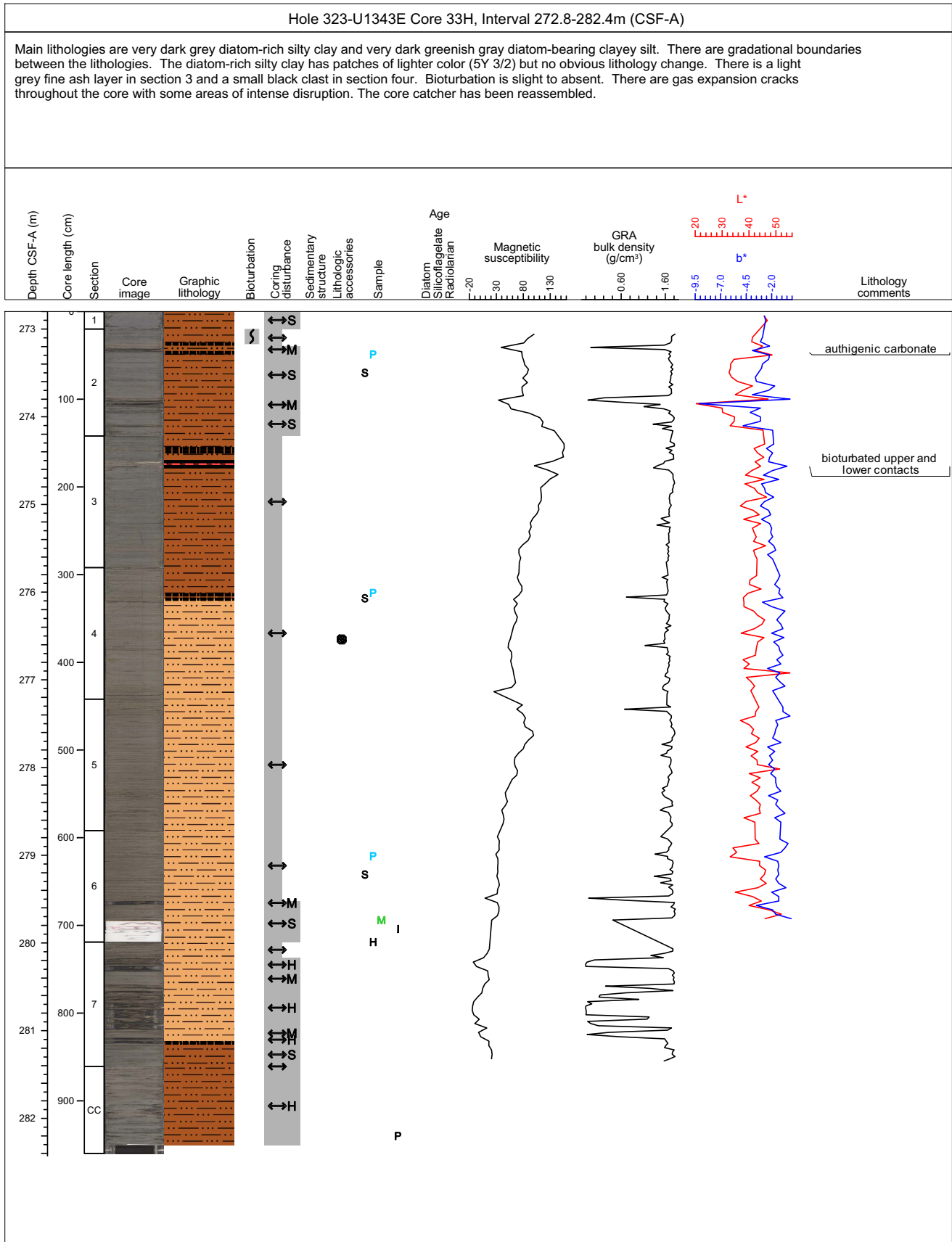
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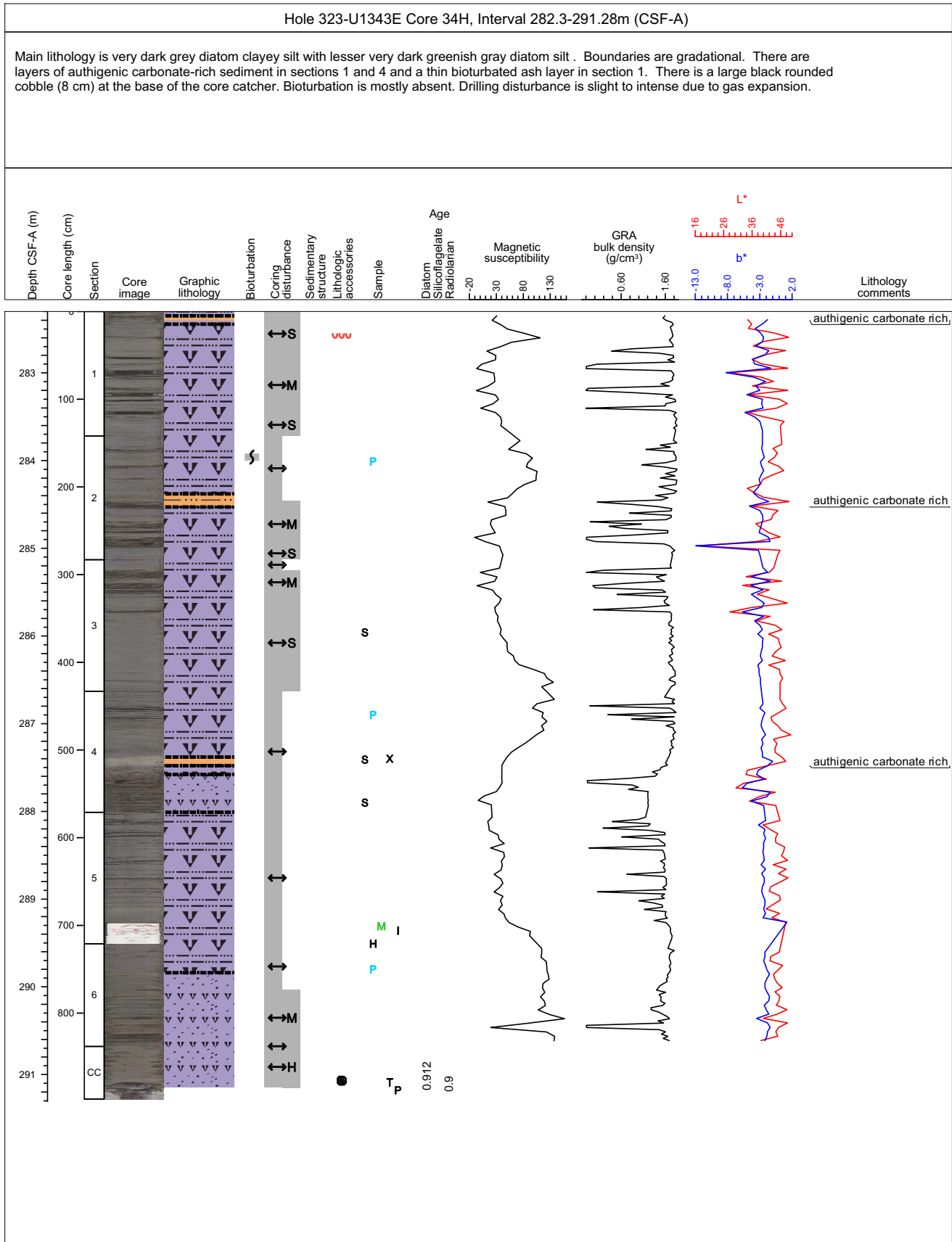
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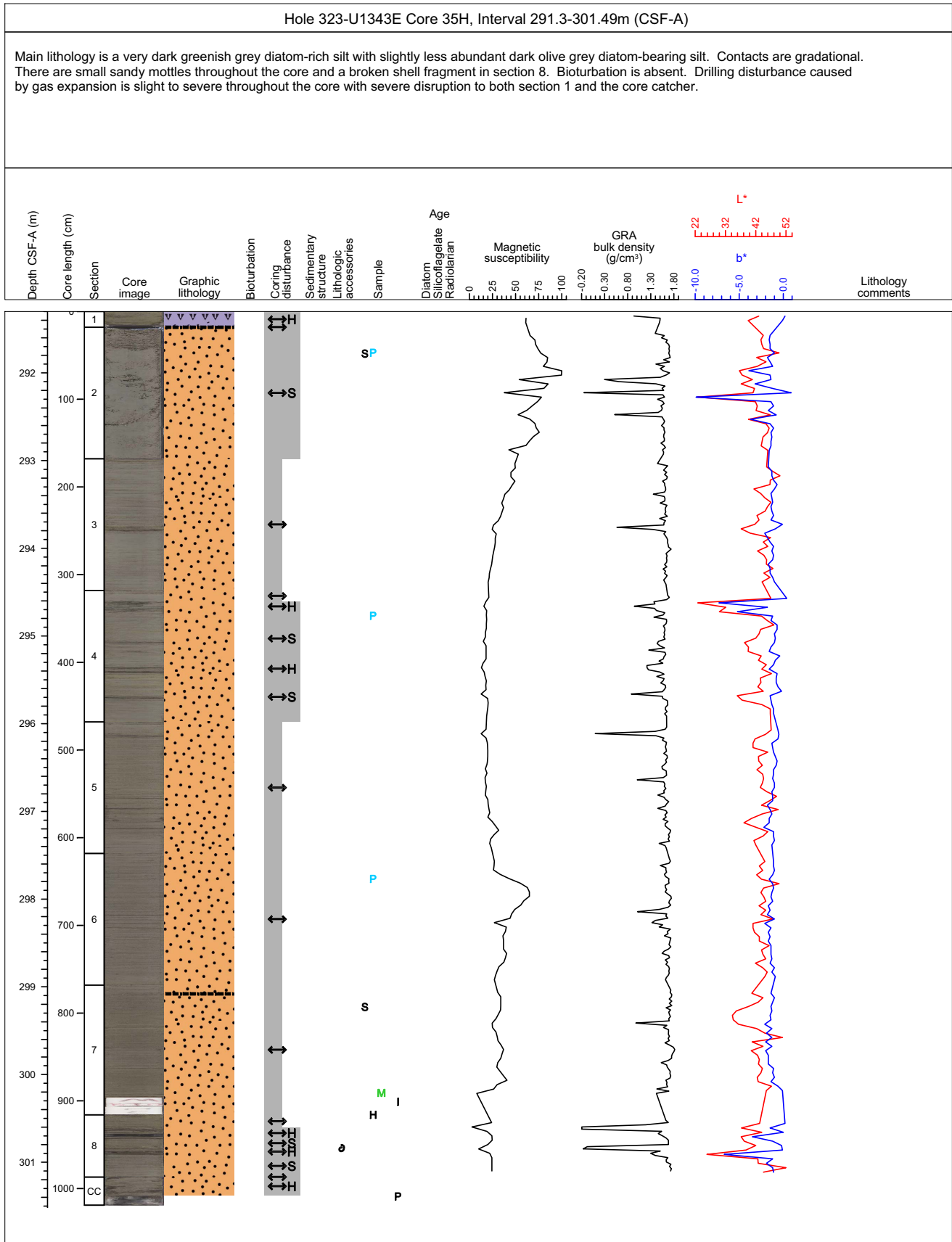
Core Photo



Core Photo



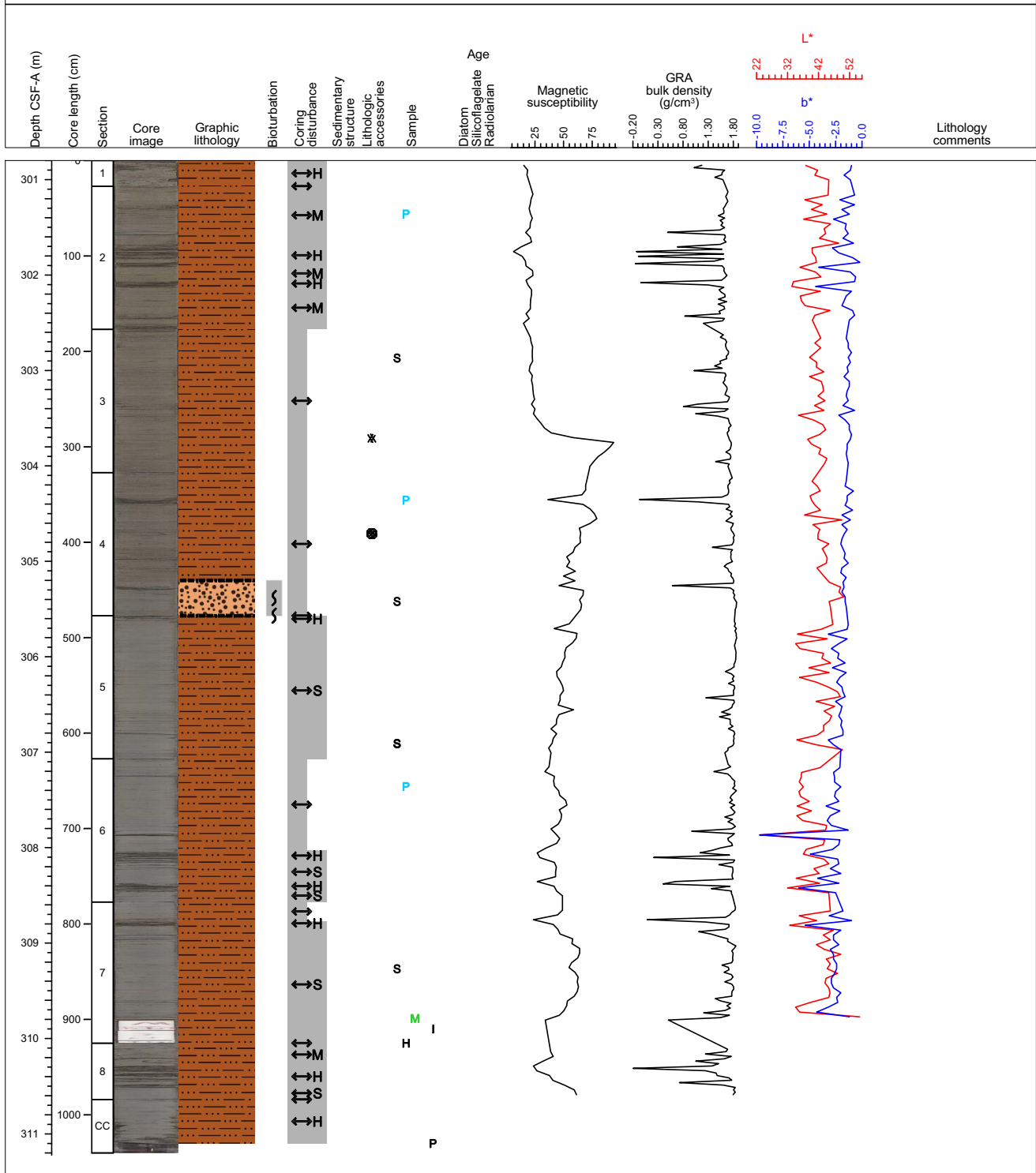
Core Photo



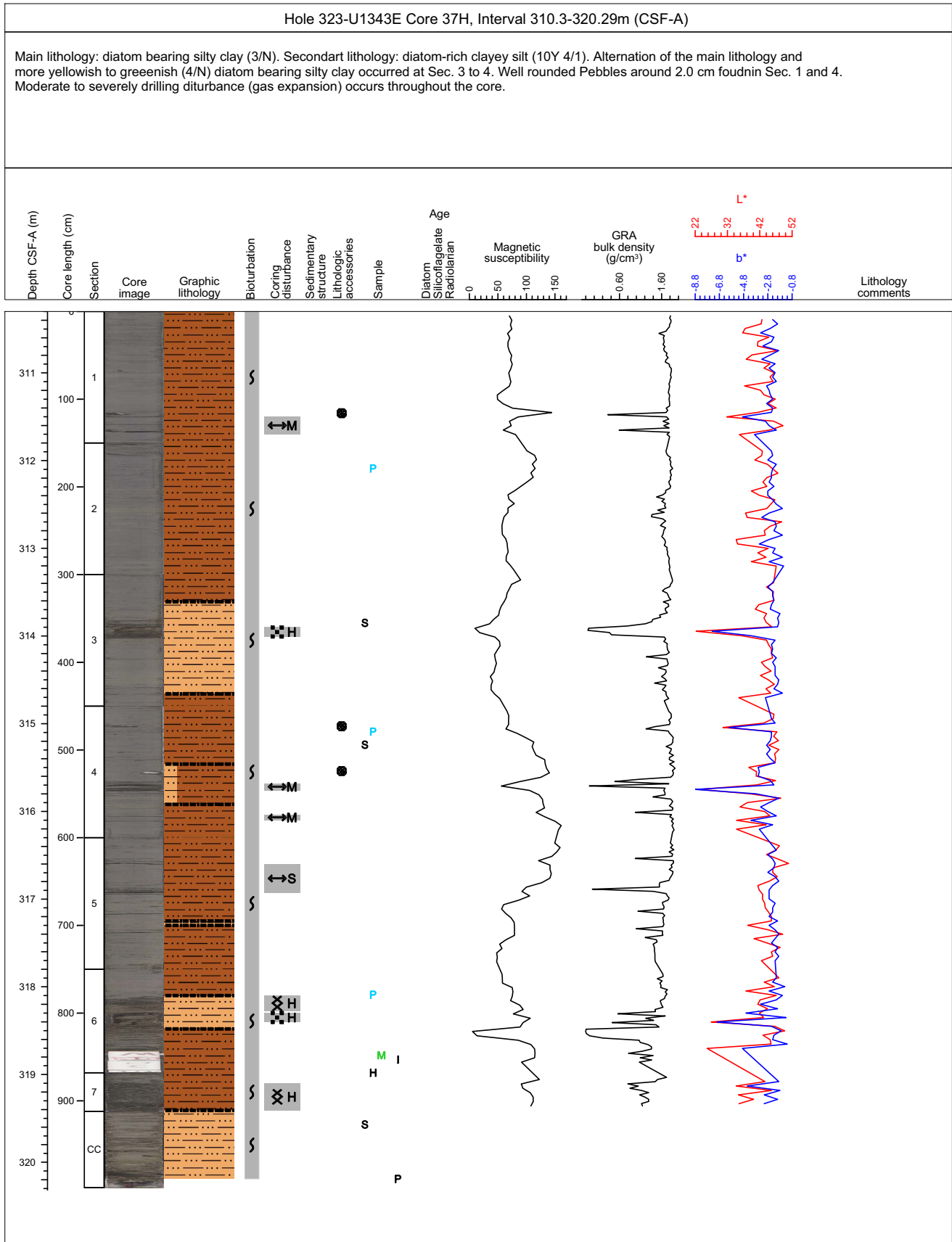
Core Photo

Hole 323-U1343E Core 36H, Interval 300.8-311.2m (CSF-A)

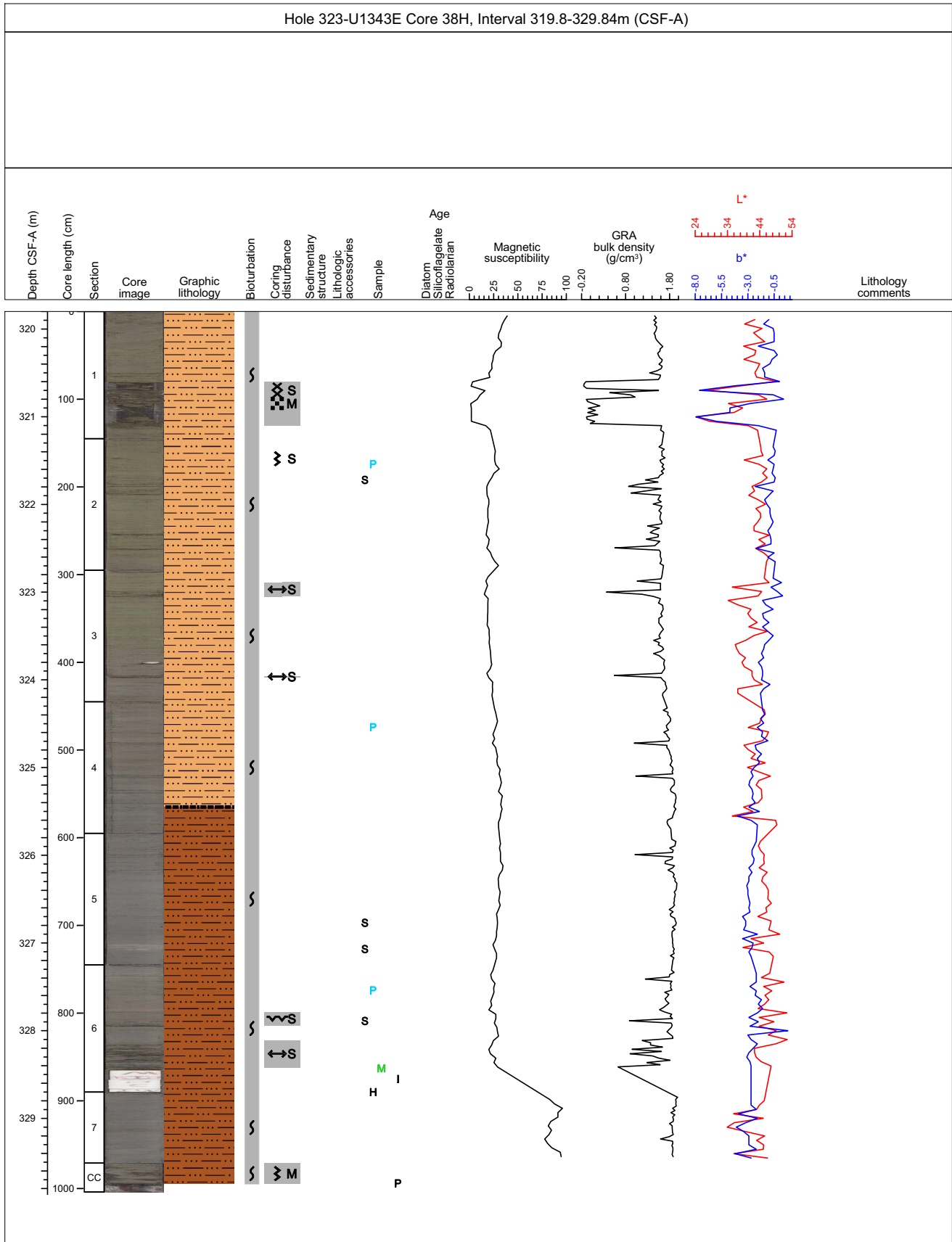
Main lithology is a very dark greenish grey to greenish black diatom-rich silty clay with minor greenish black diatom-bearing sandy silt. The greenish black lithology looks more clay rich. Contacts are gradational. There are small sandy mottles throughout and a sponge spicule-aggregate in section 144. There is a small black clast 10 mm in section four. Bioturbation is mostly absent. Drilling disturbance in the form of gas segregation cracks is slight to severe.



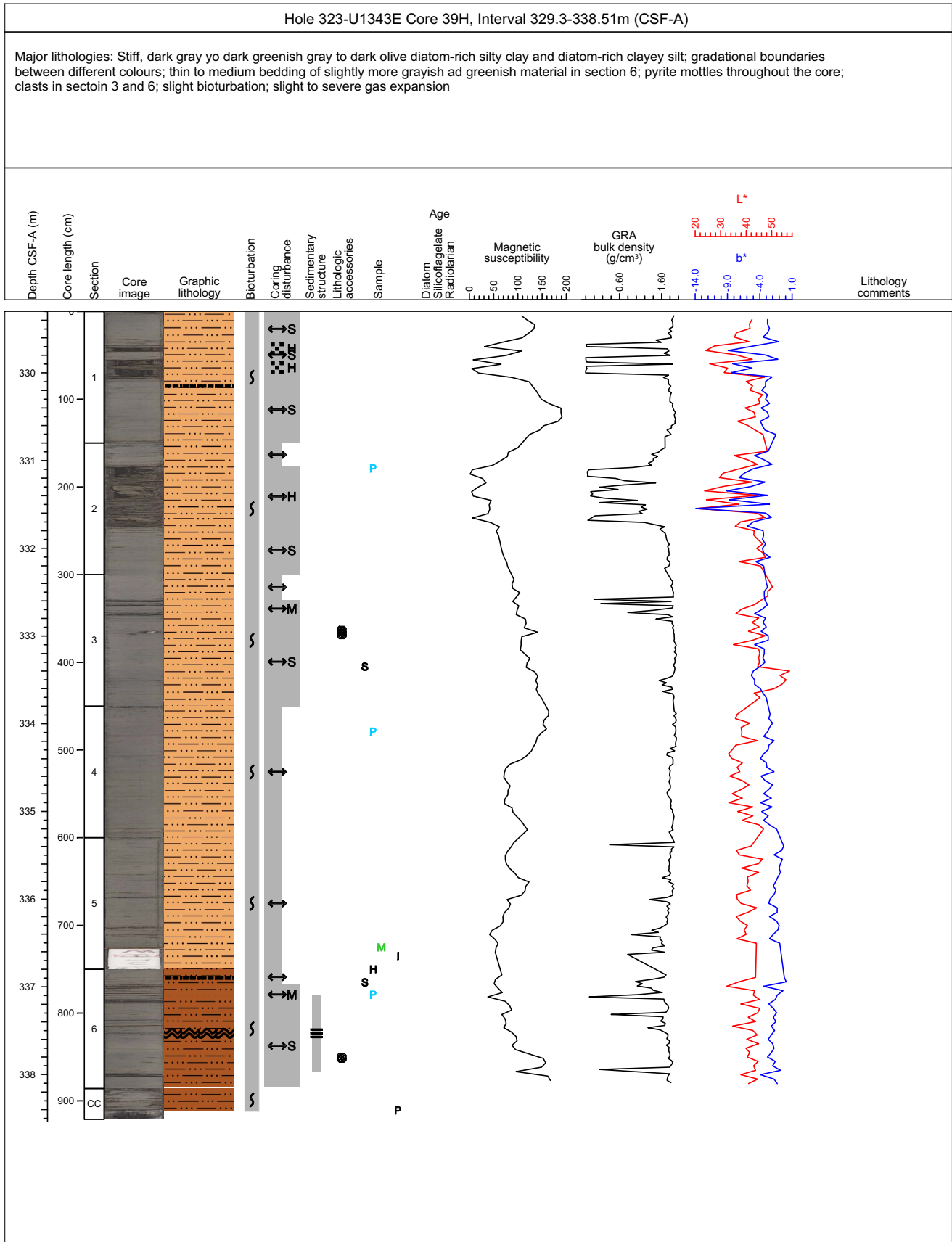
Core Photo



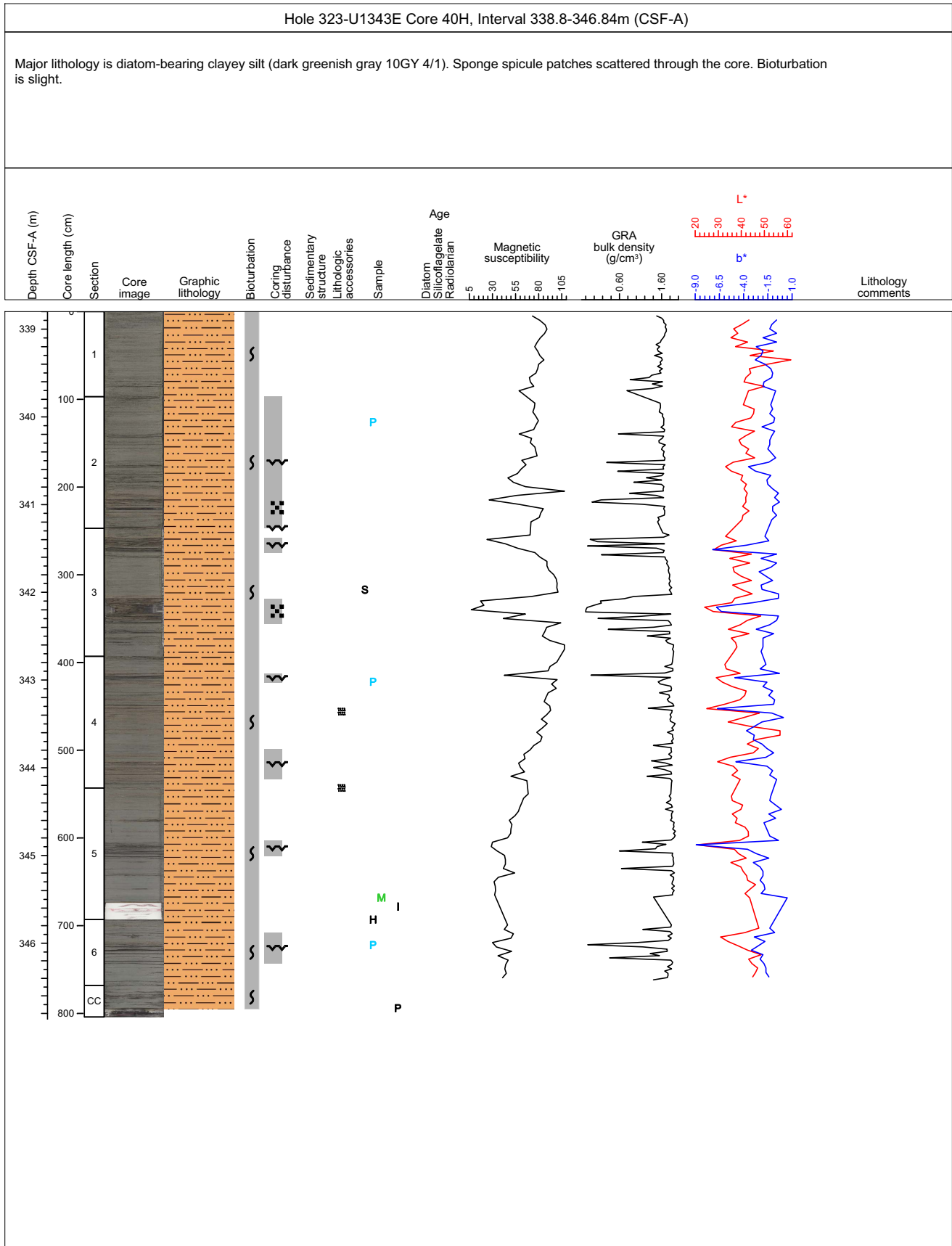
Core Photo



Core Photo



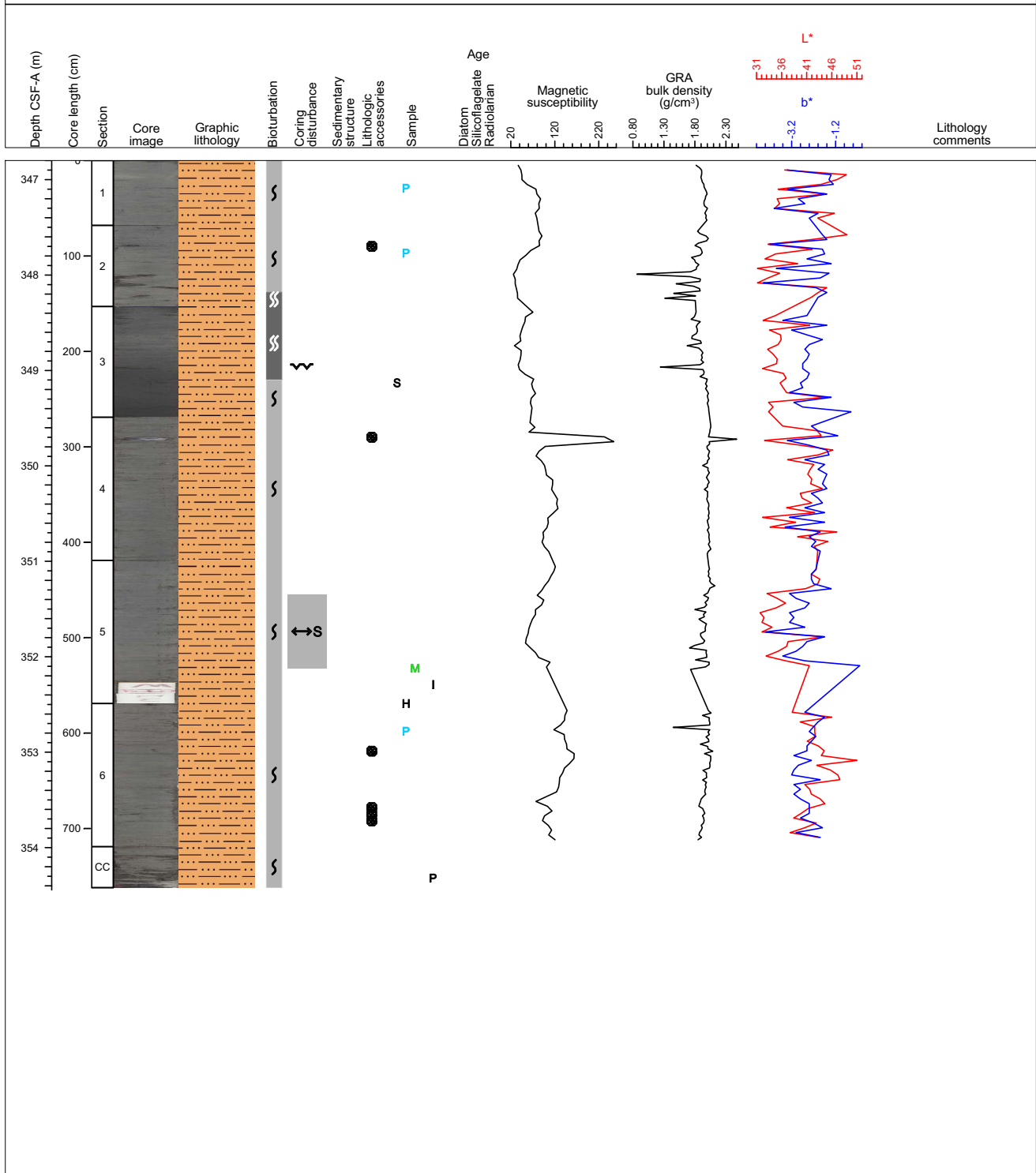
Core Photo



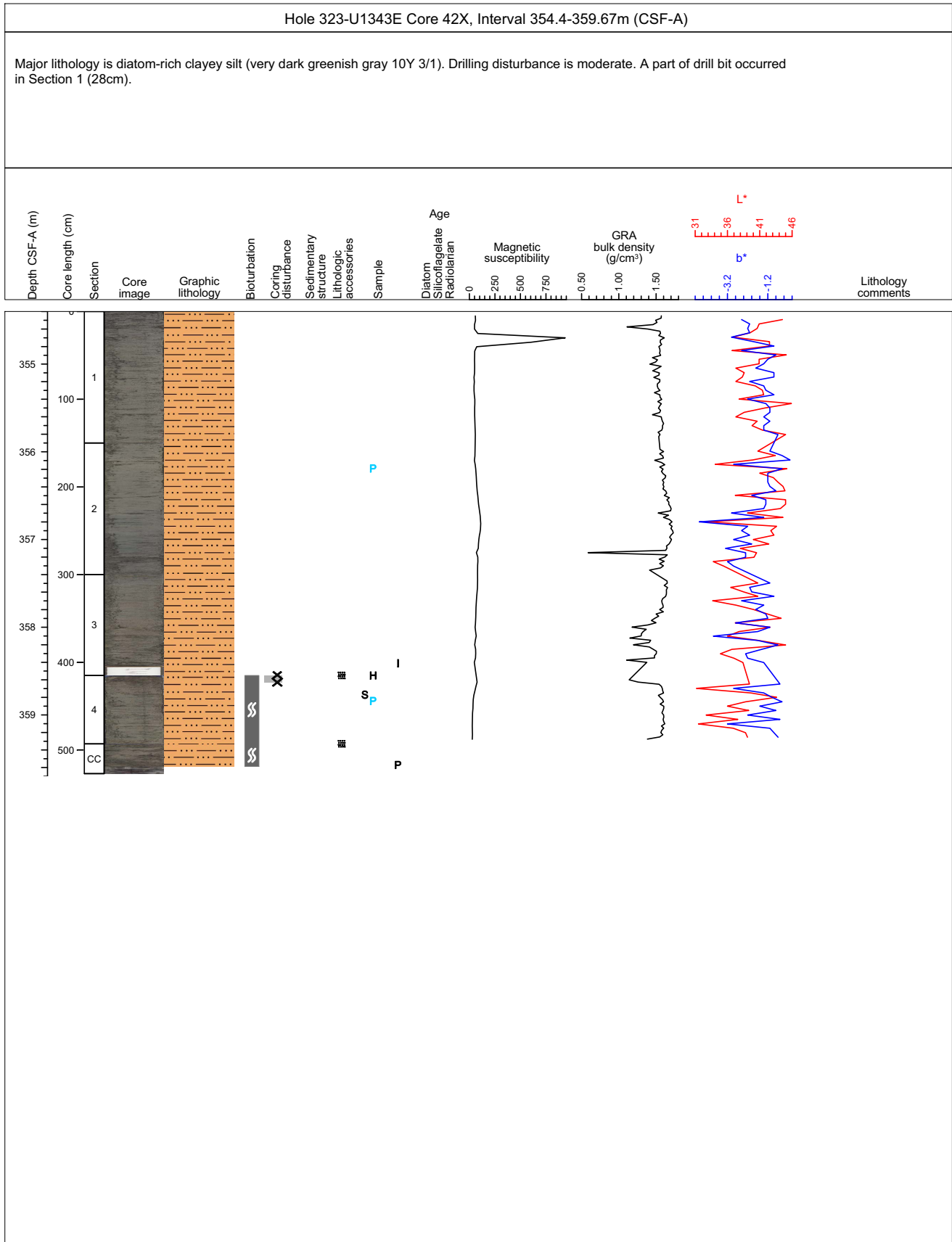
Core Photo

Hole 323-U1343E Core 41H, Interval 346.8-354.42m (CSF-A)

Major lithology: very dark gray clayey silt. Several pebbles occur throughout the core, bioturbation is slight to moderate with several instances of chondrites. Iron oxide specks and smears are seen especially in section 5. Drilling disturbance is minimal.



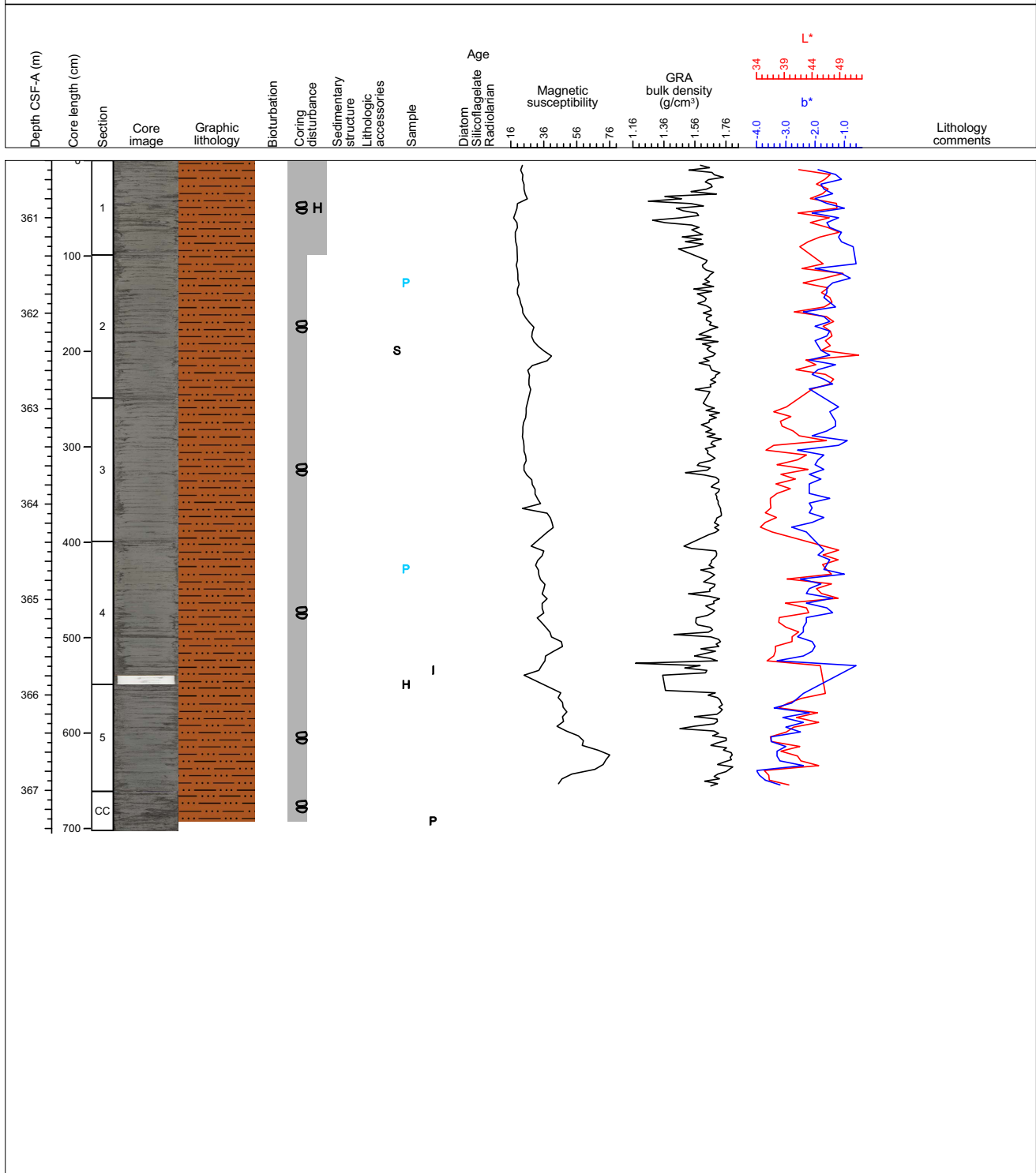
Core Photo



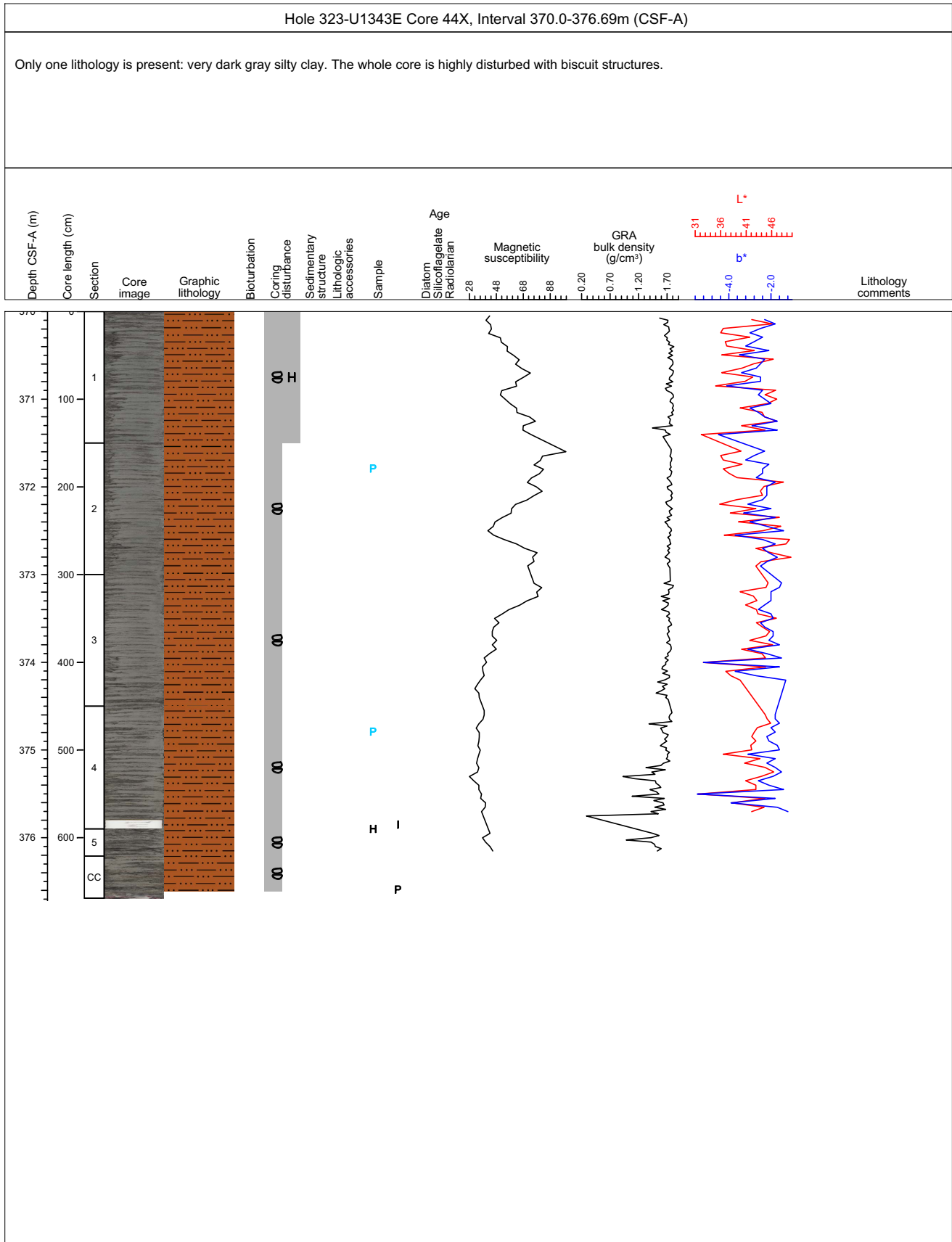
Core Photo

Hole 323-U1343E Core 43X, Interval 360.4-367.42m (CSF-A)

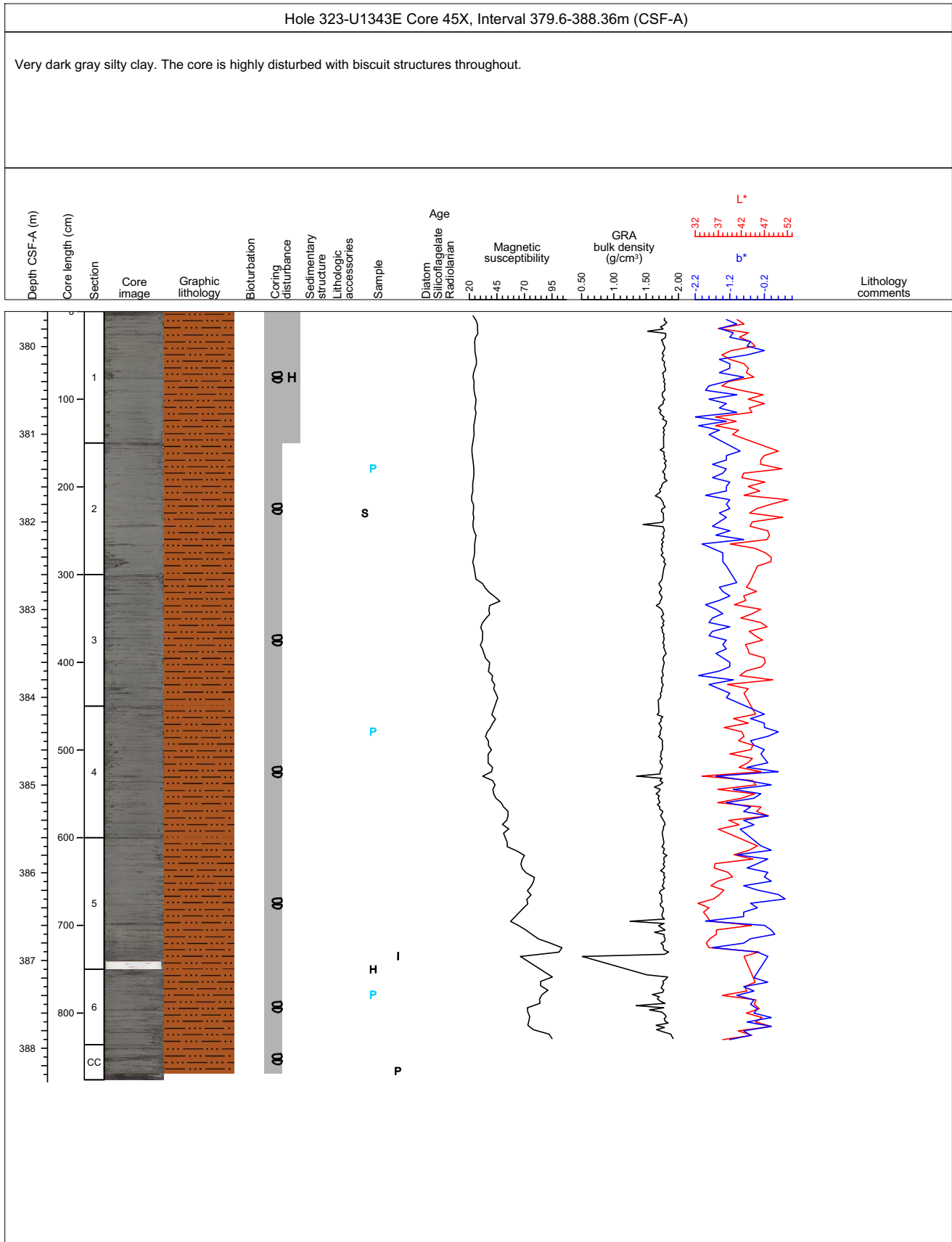
The lithology is very dark gray silty clay. The core is highly disturbed with biscuit structures occurring throughout.



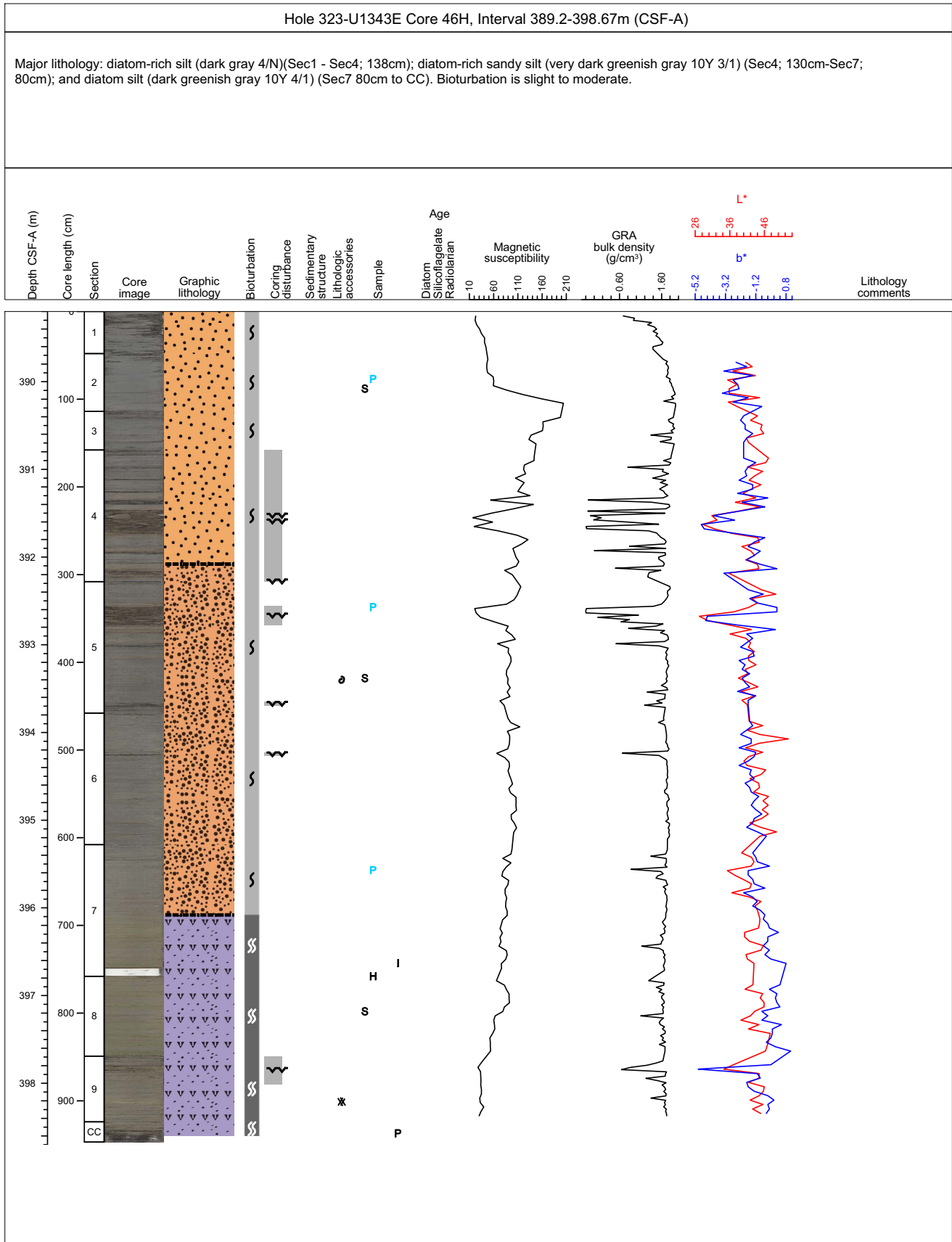
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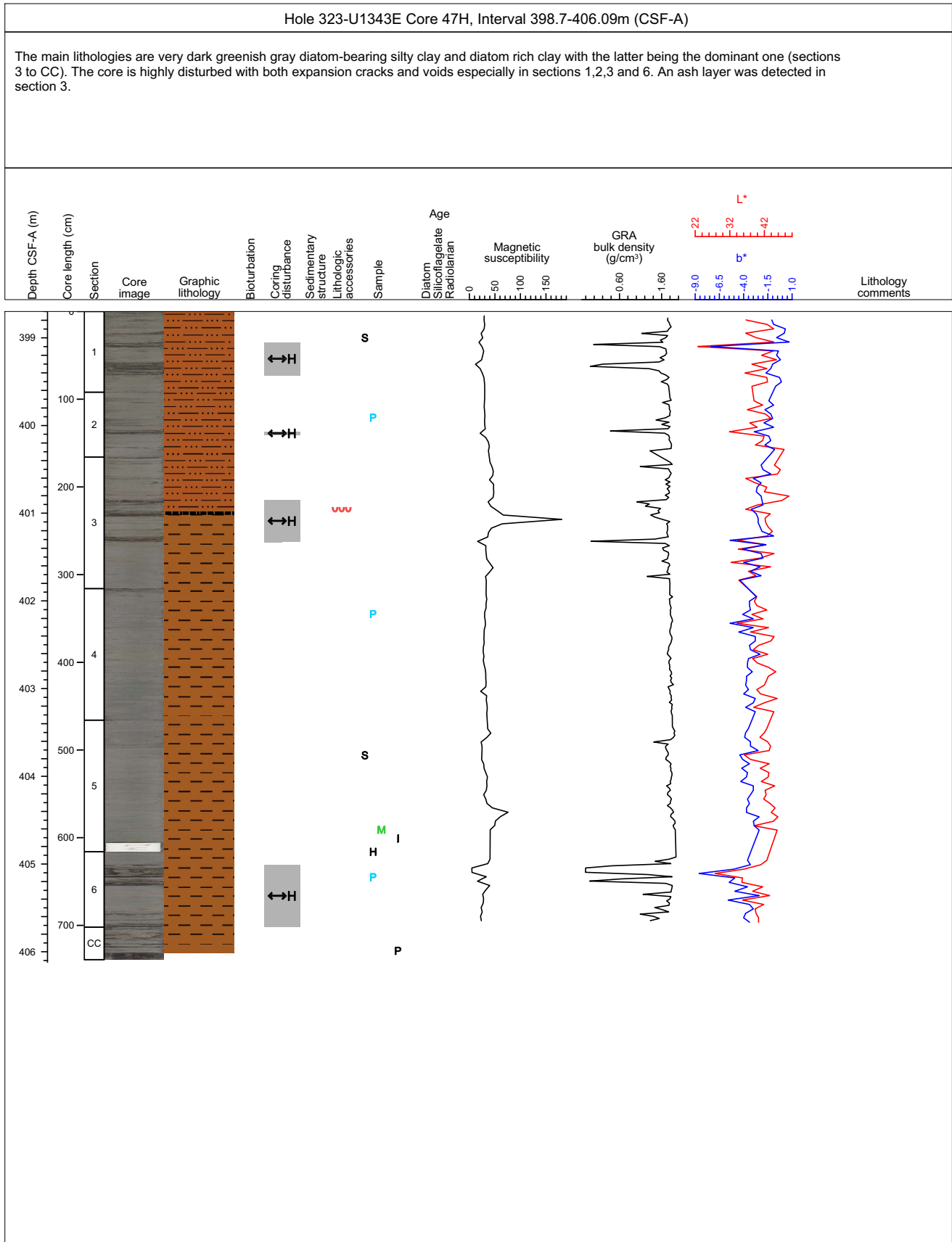
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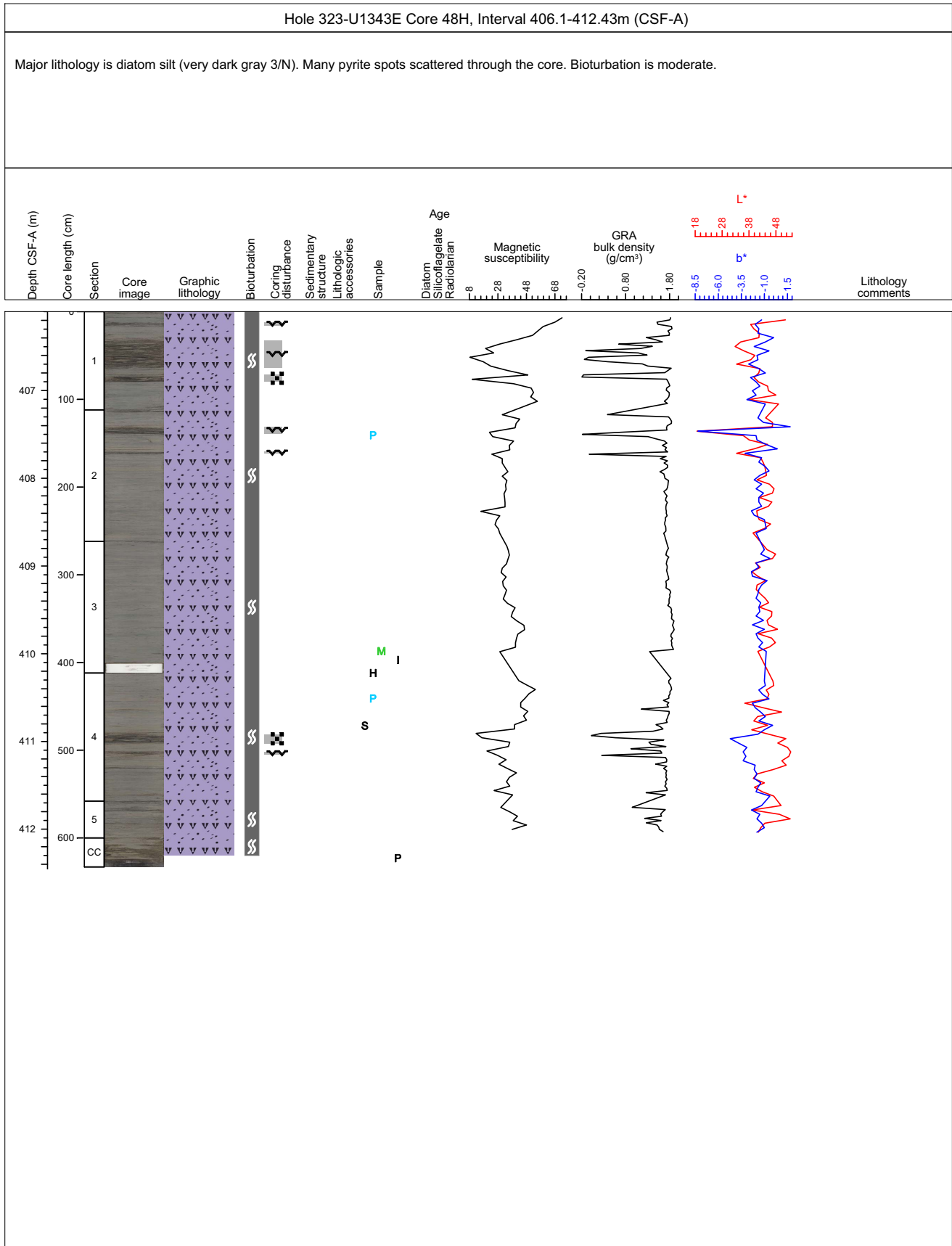
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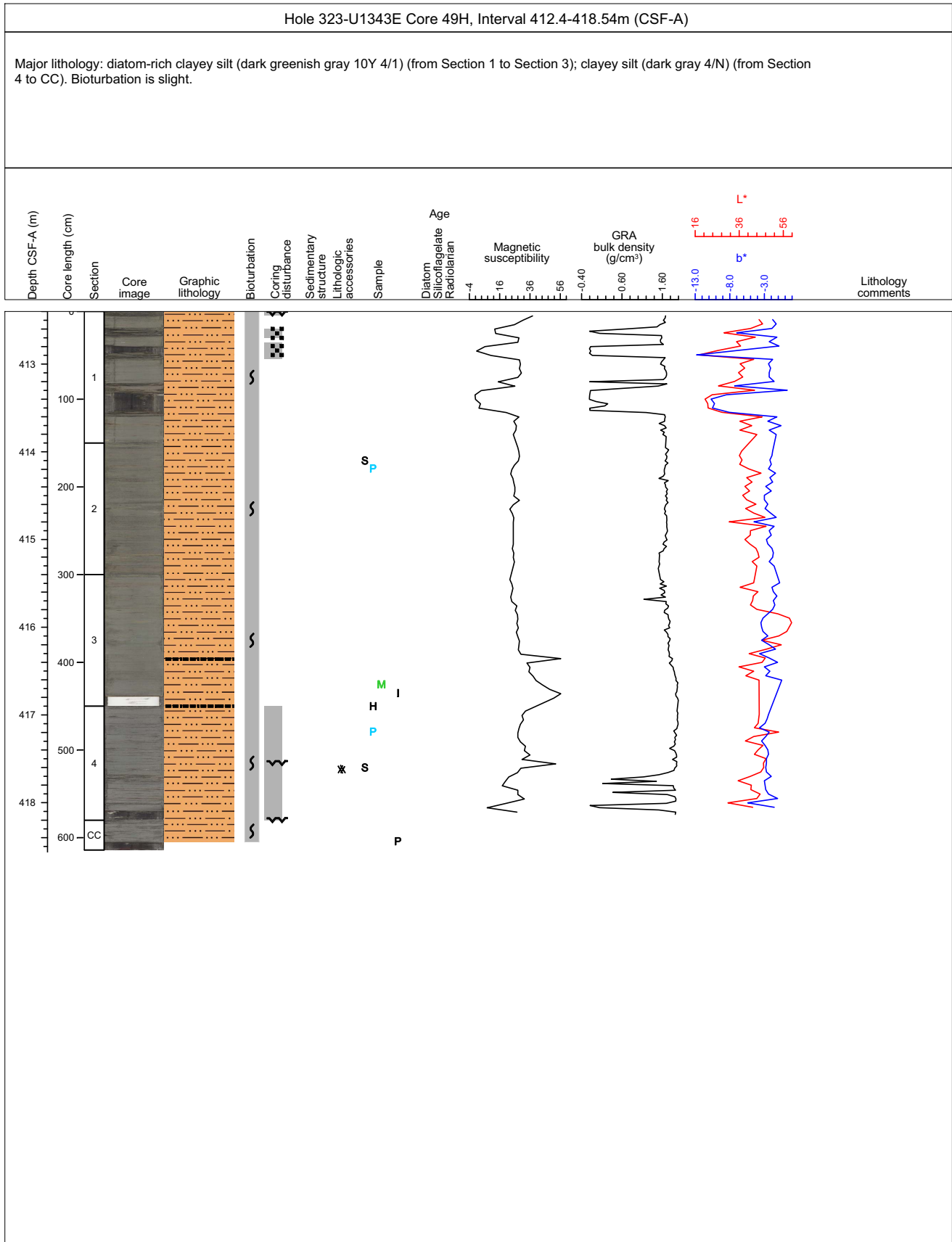
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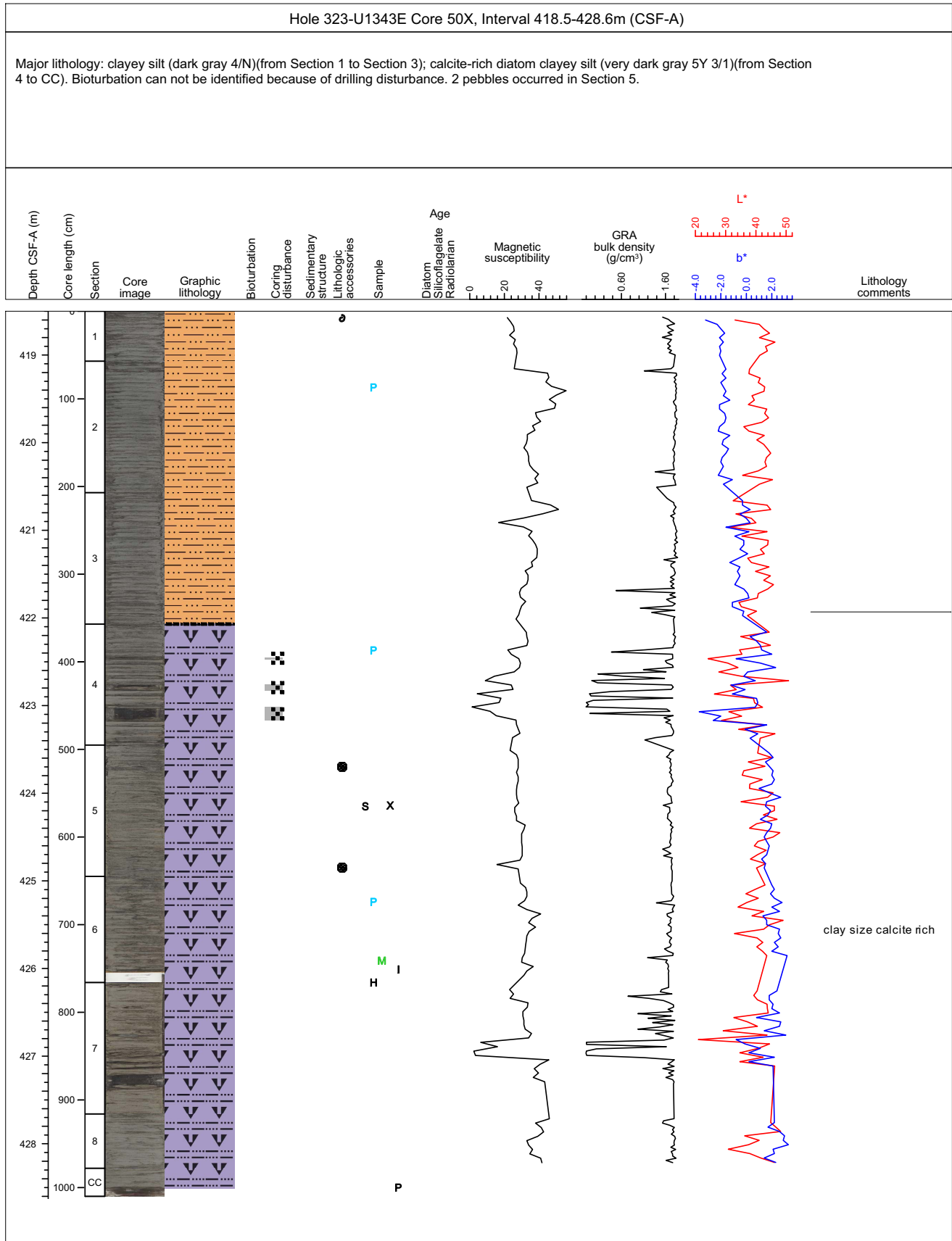
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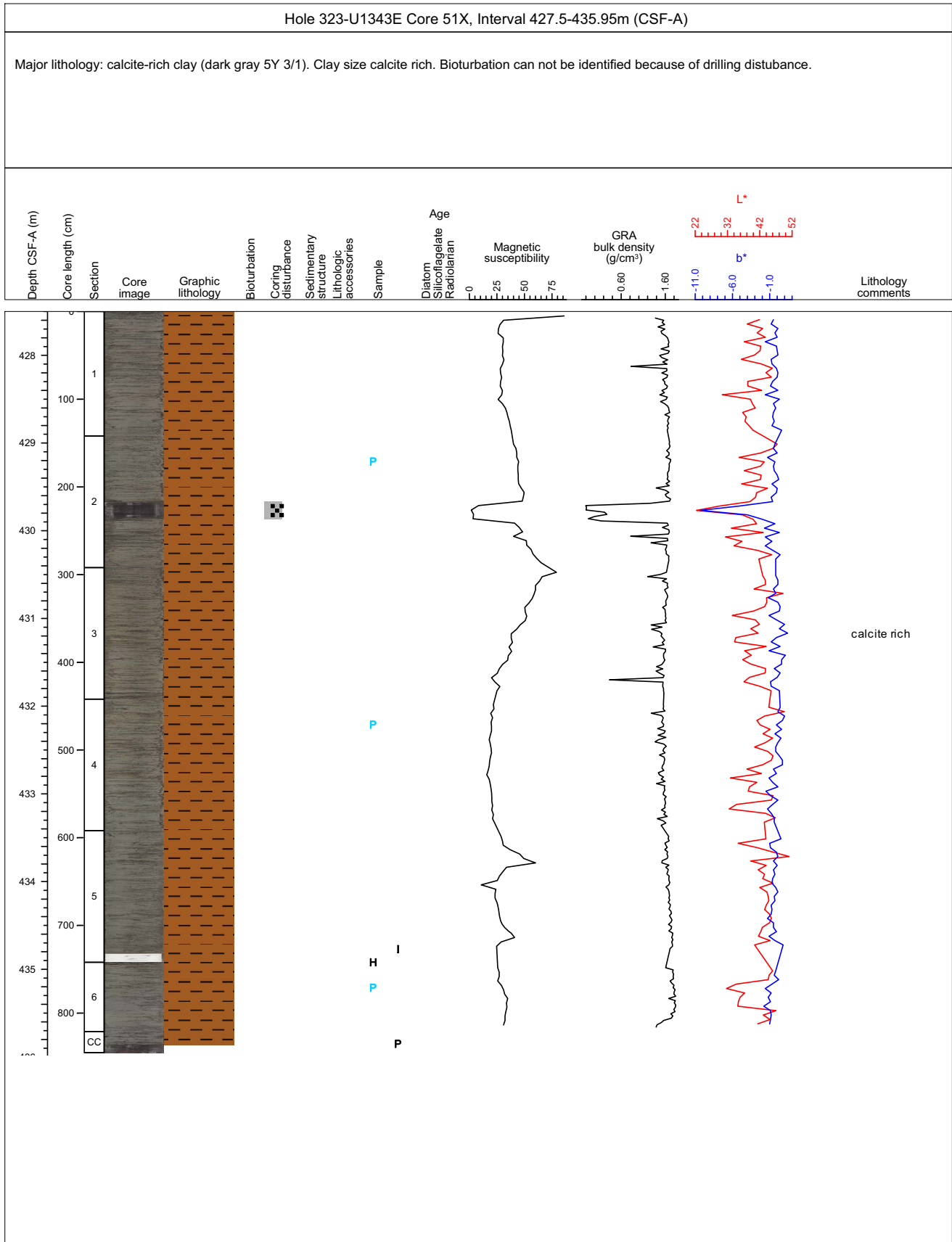
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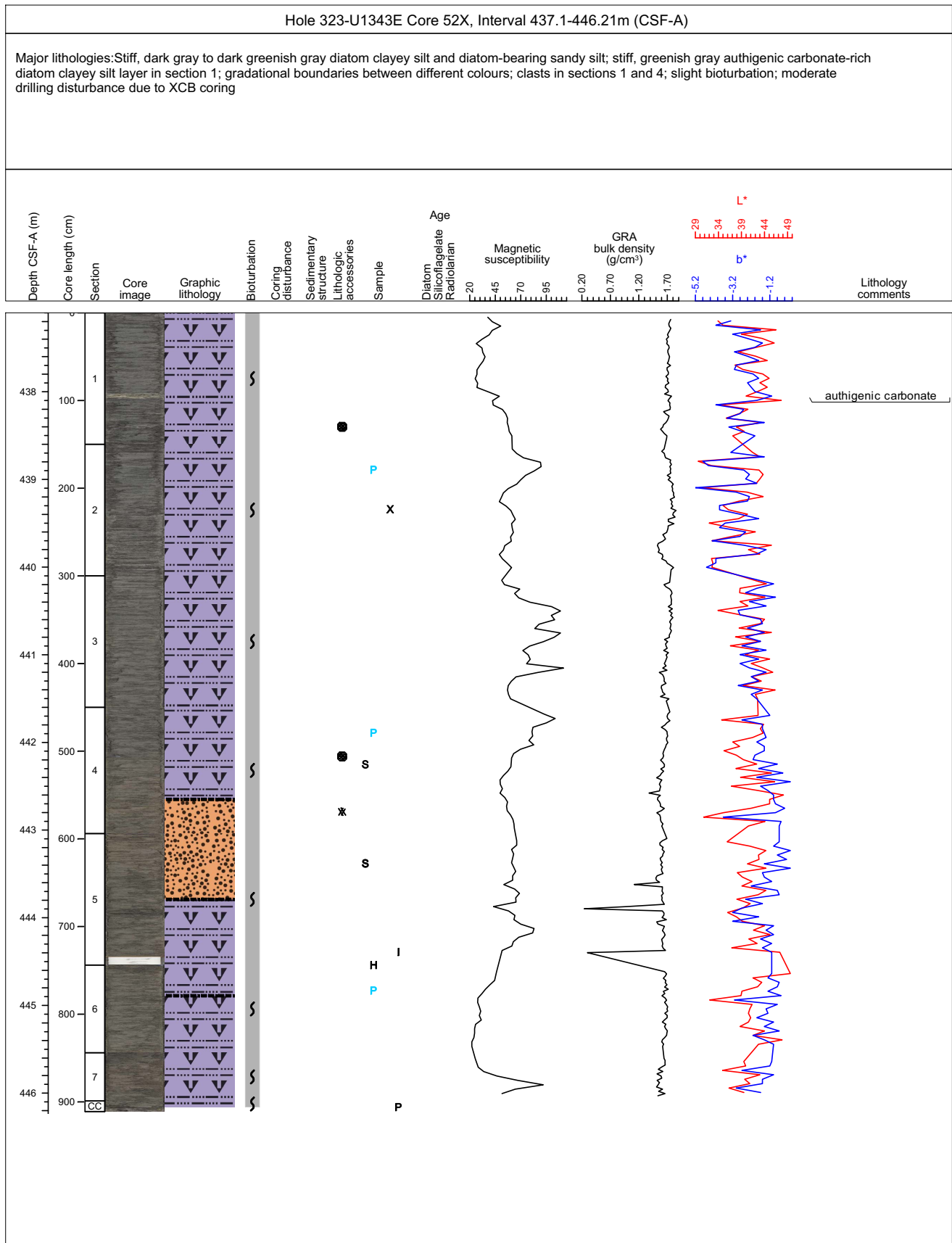
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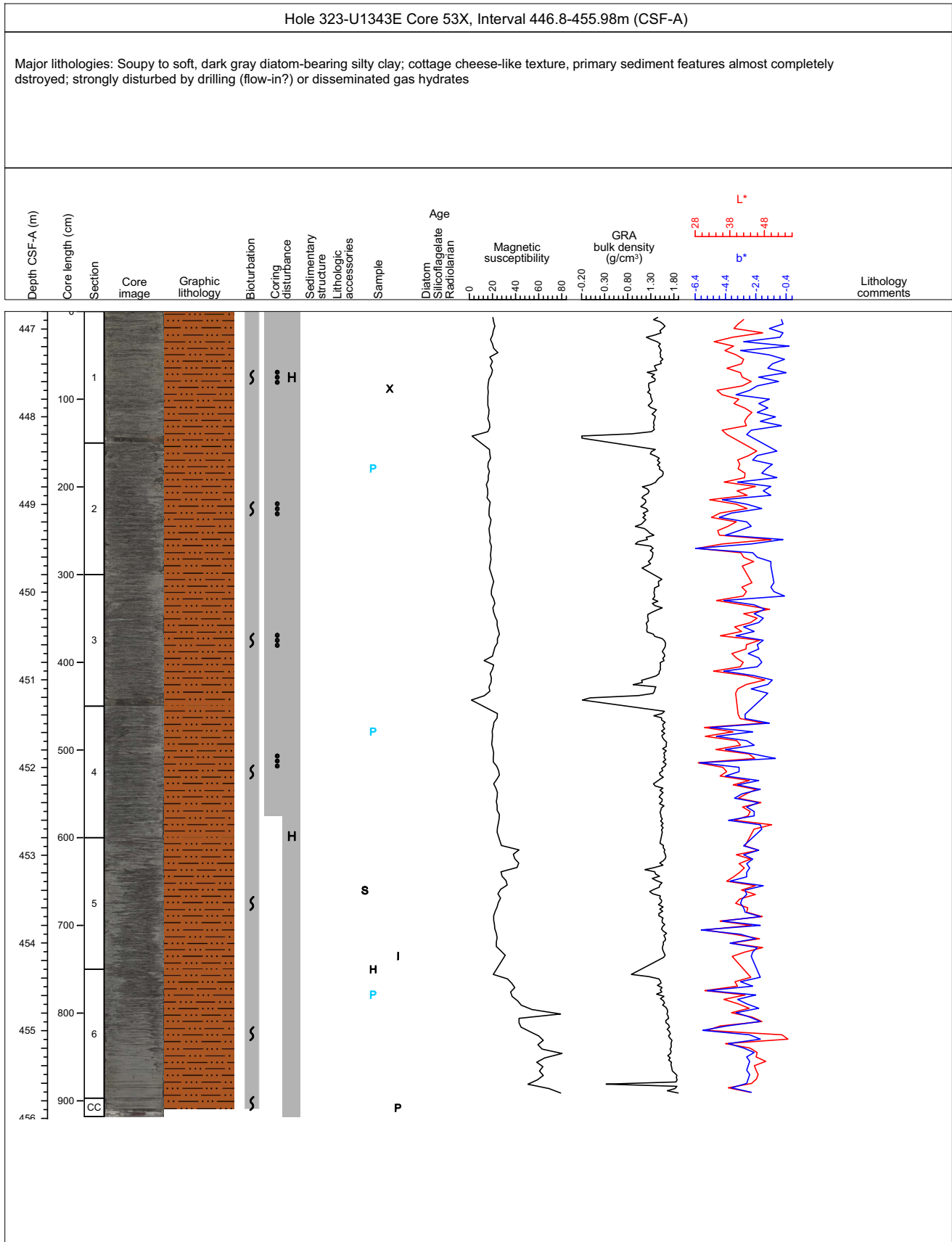
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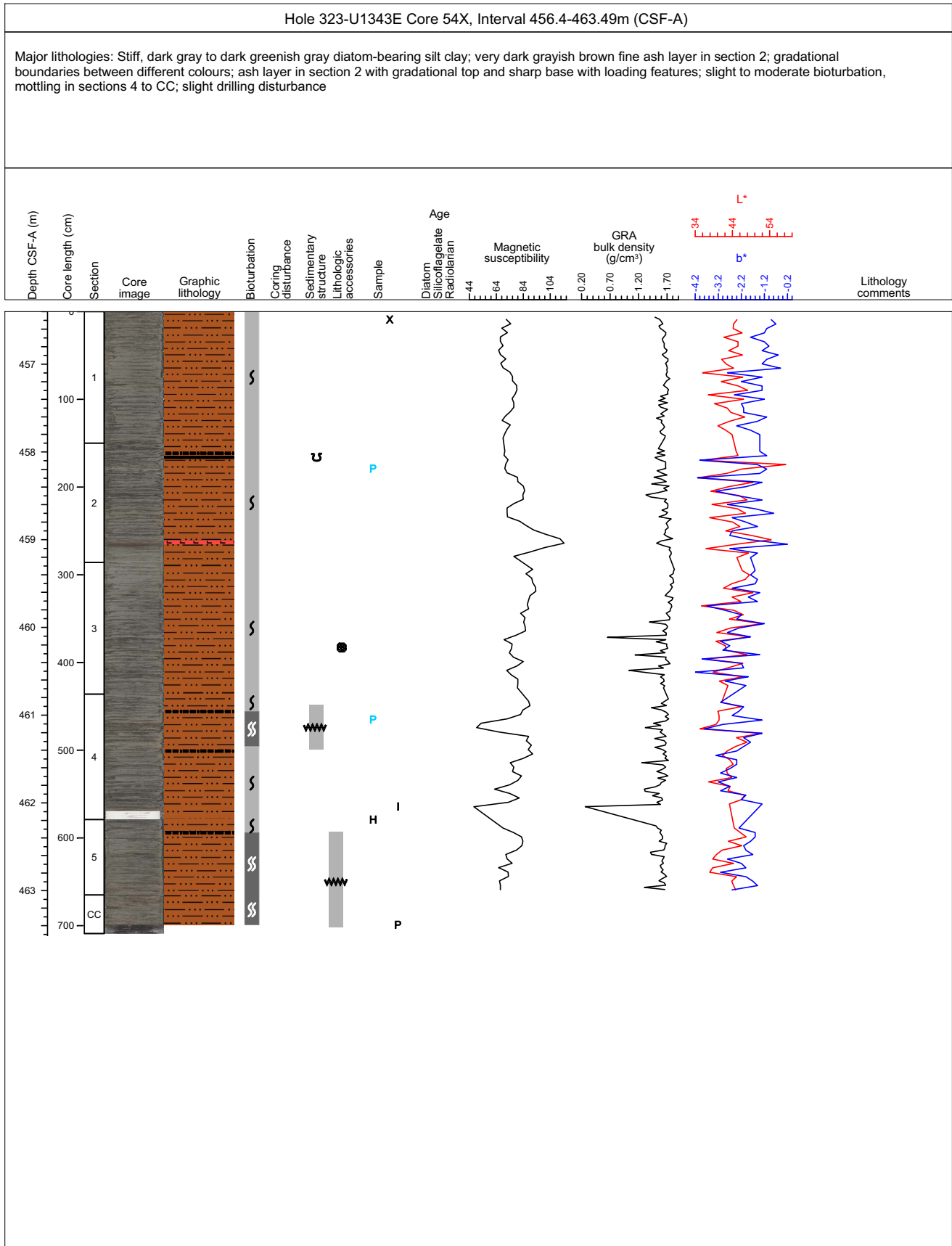
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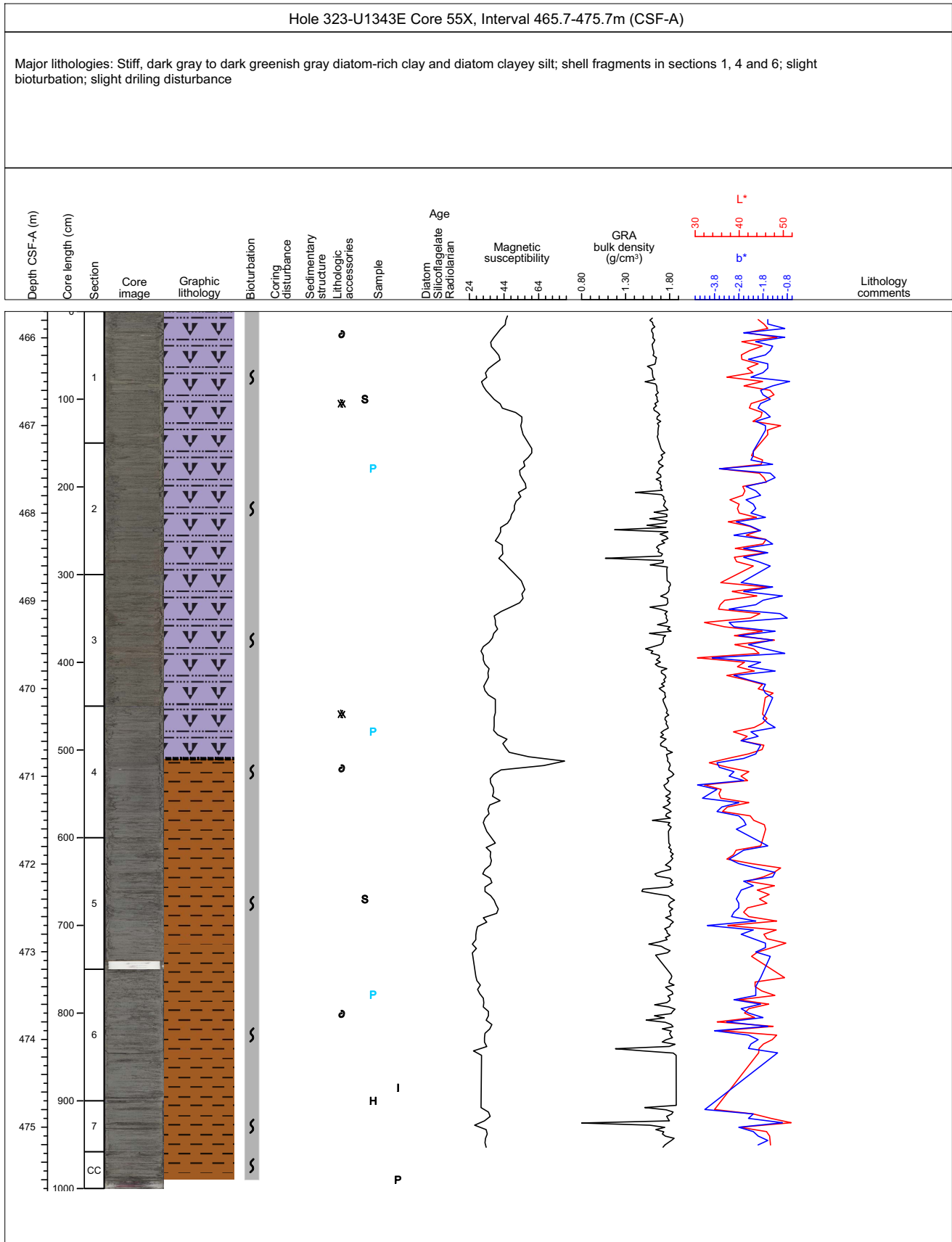
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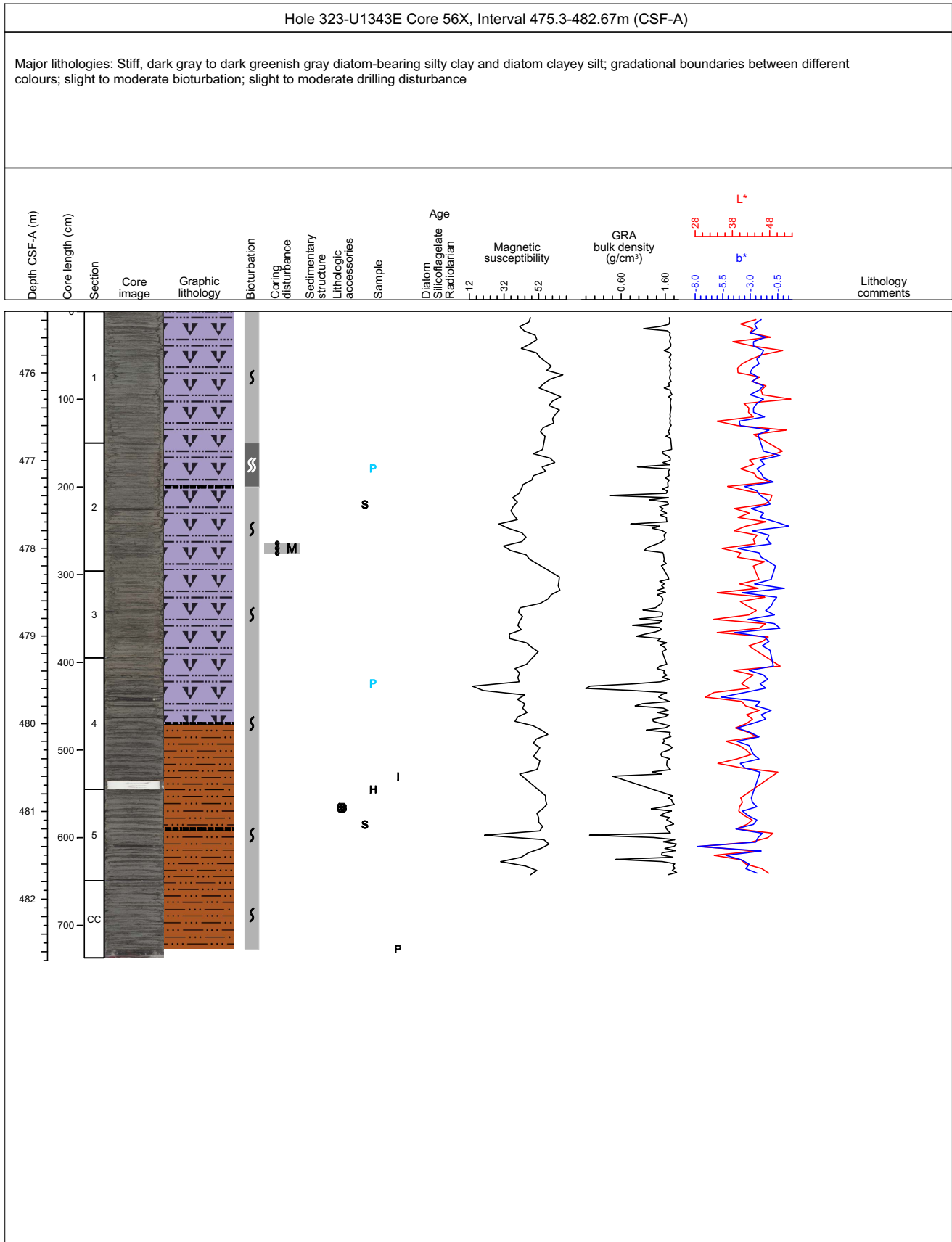
Core Photo



Core Photo



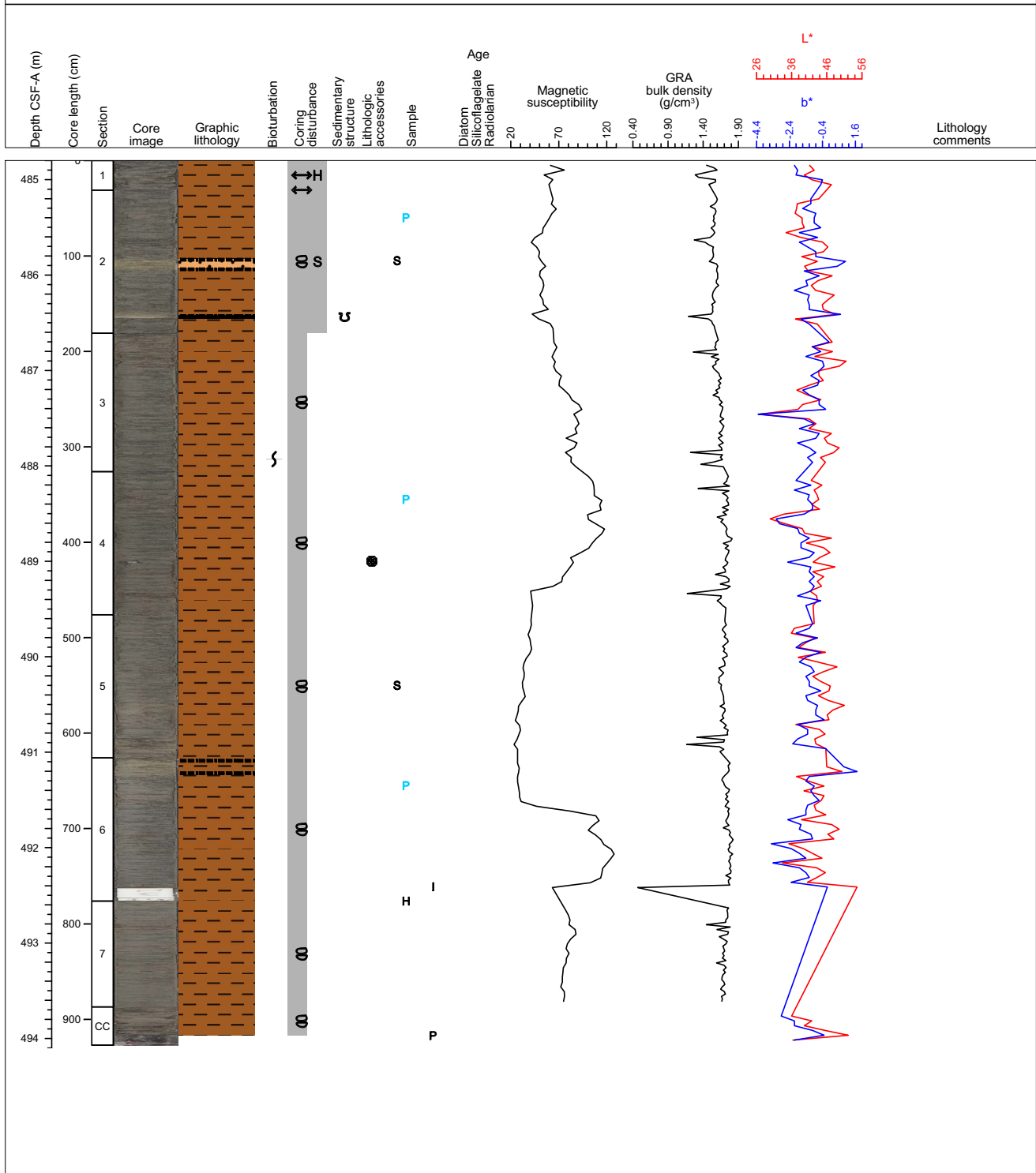
Core Photo



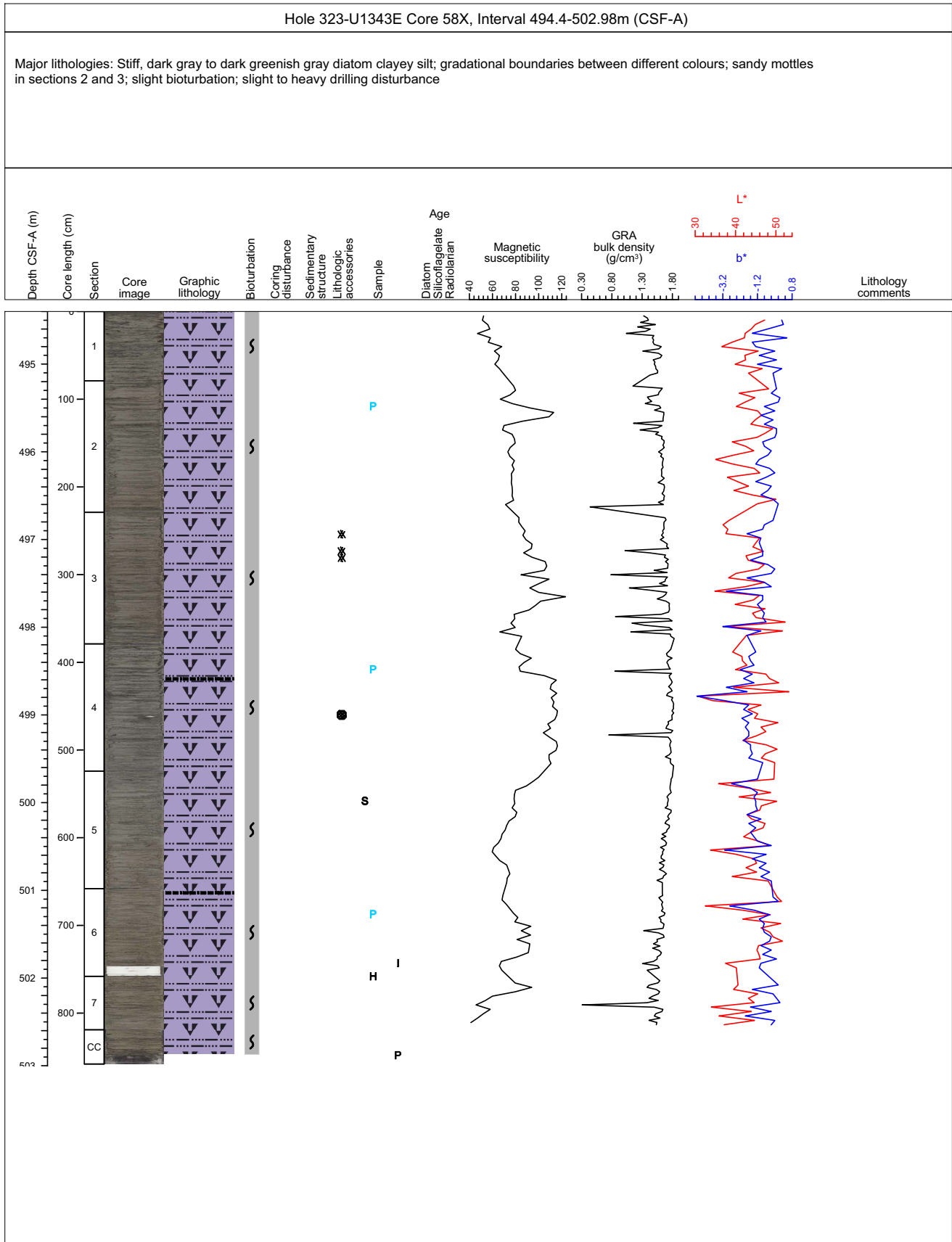
Core Photo

Hole 323-U1343E Core 57X, Interval 484.8-494.07m (CSF-A)

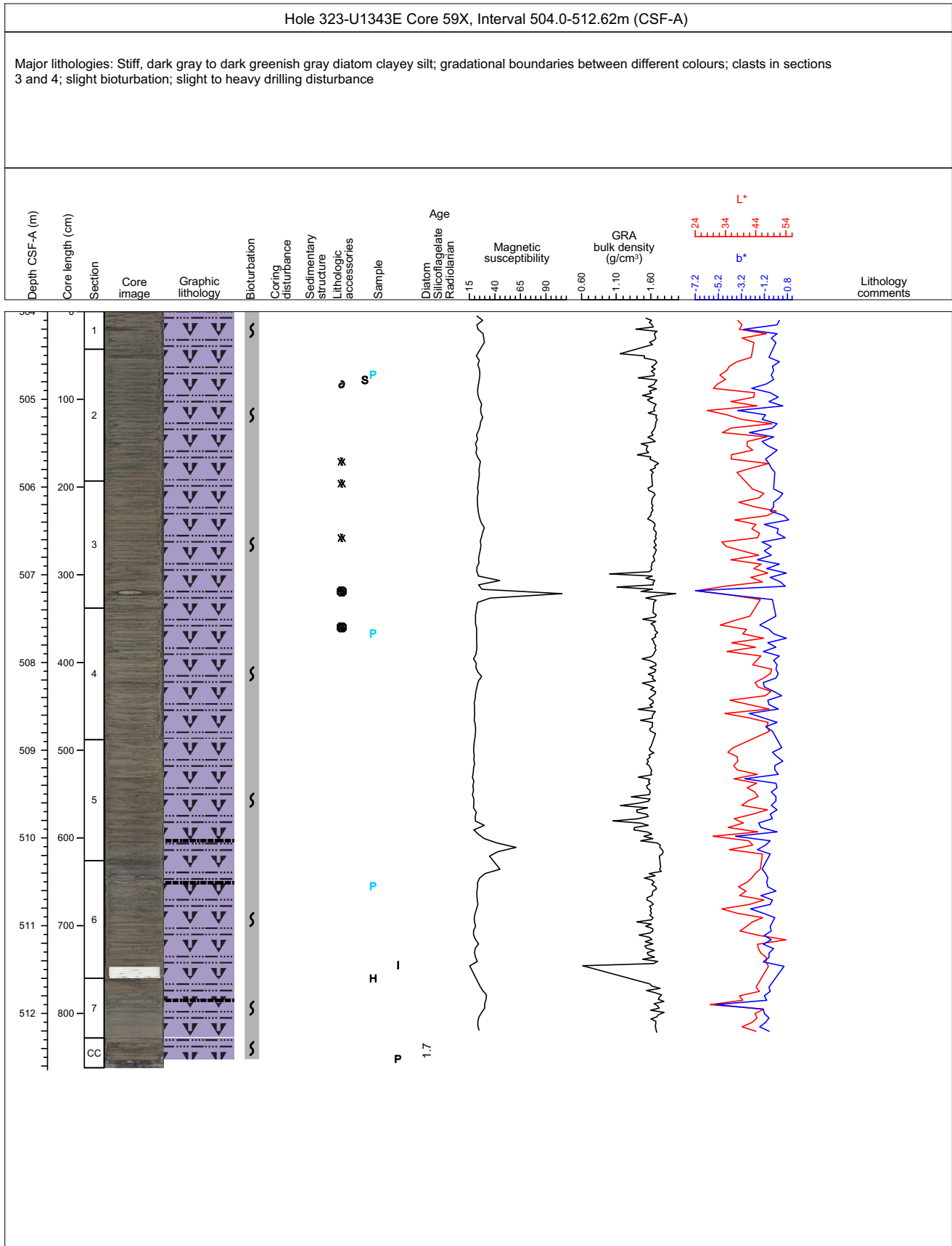
The main lithology is dark olive grey diatom-rich clay. There is a light grey fine ash layer in section 4 and a black, rounded clast in section 2. There are sandy mottles sparsely through the core. Section 2 has a light-coloured layer of authigenic carbonate-rich diatom-rich silt. Bioturbation is absent. Drilling disturbance is slight for most of the core.



Core Photo



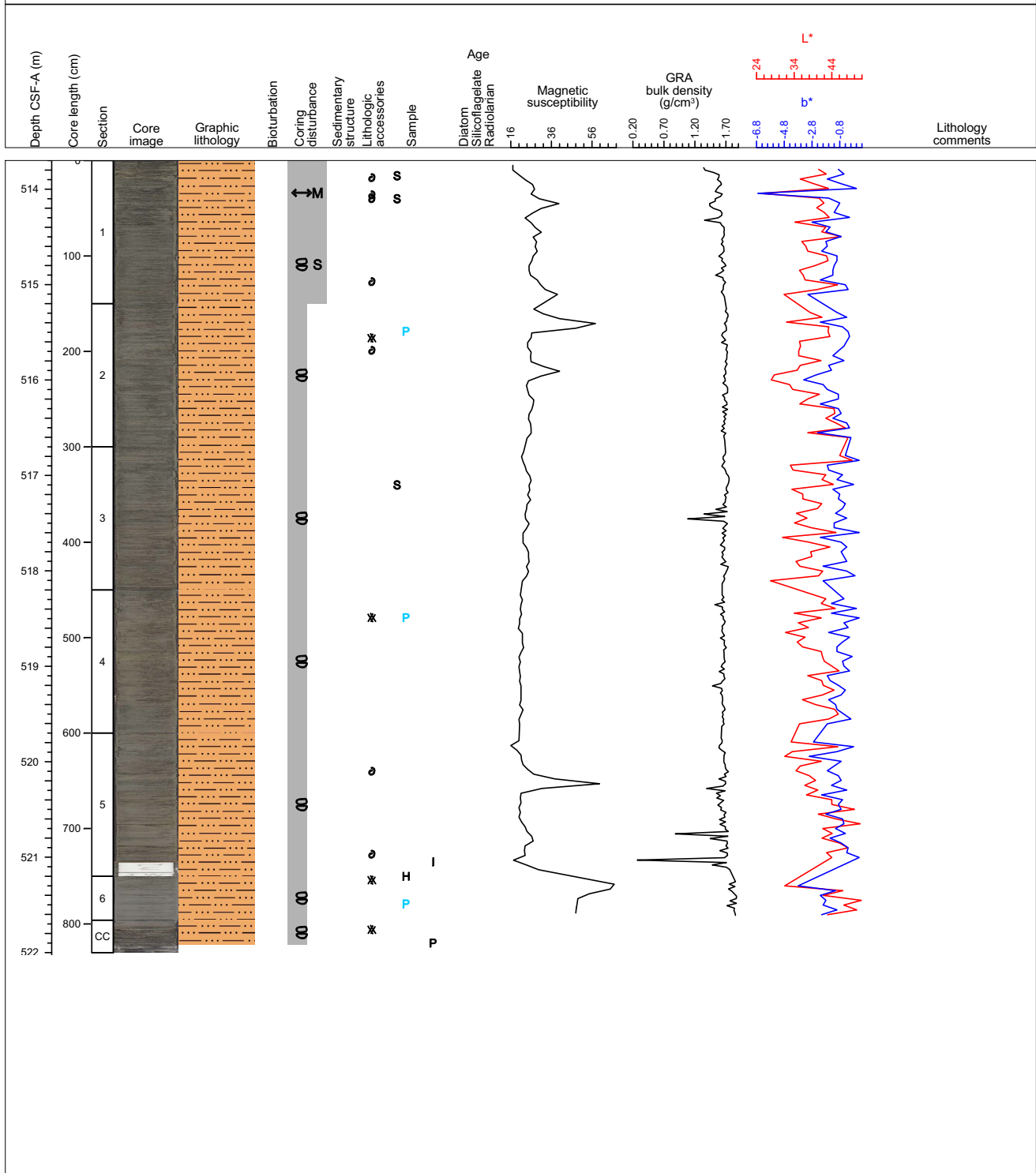
Core Photo



Core Photo

Hole 323-U1343E Core 60X, Interval 513.7-522.0m (CSF-A)

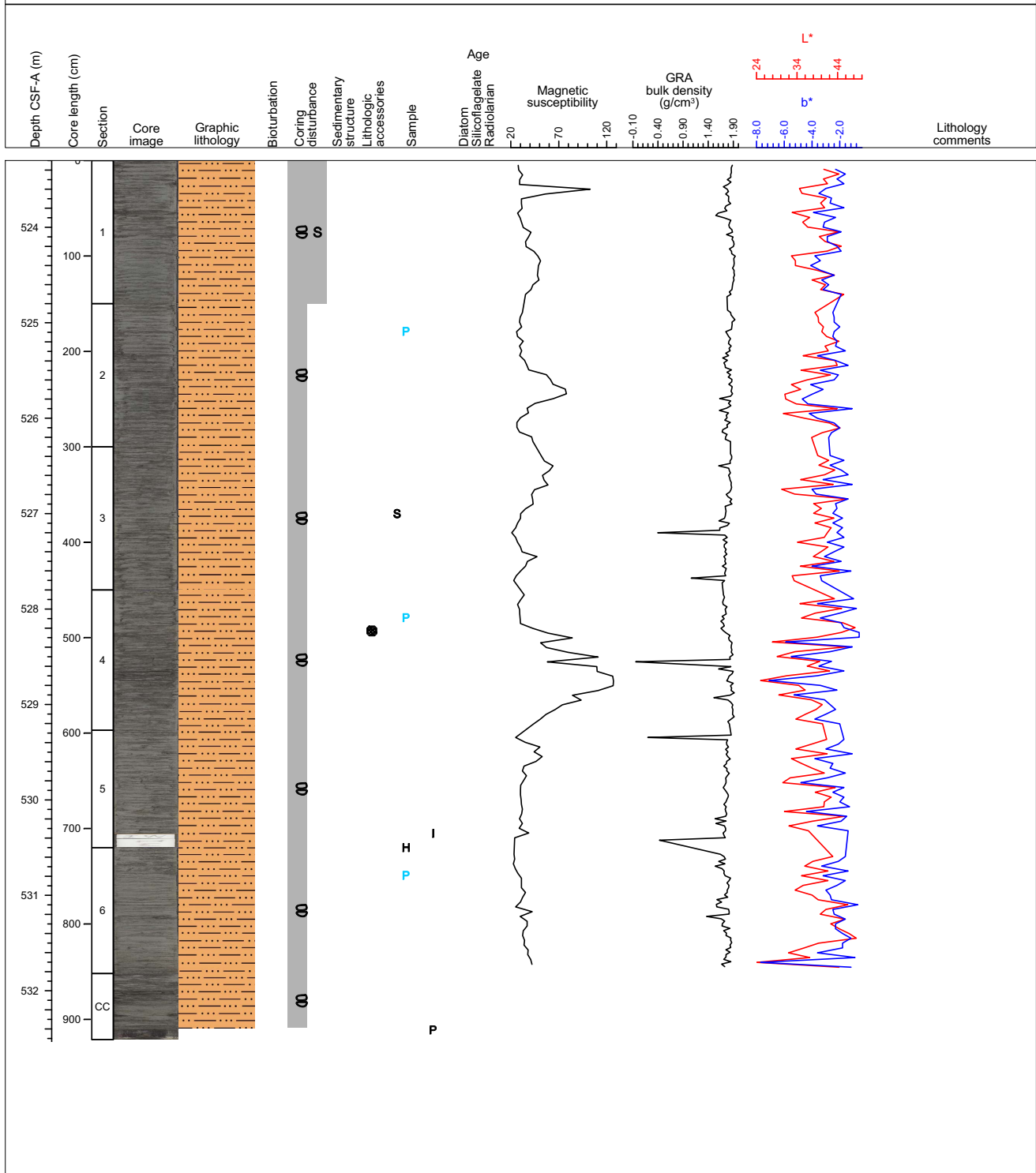
Main lithology is very dark greenish gray diatom-rich clayey silt. There are shell fragments throughout. In section 1, one shell fragment has a halo of authigenic carbonate-rich sediment; another has sand-sized grains of green diatom ooze that may be fecal pellets. Bioturbation is absent and drilling disturbance is mostly slight.



Core Photo

Hole 323-U1343E Core 61X, Interval 523.3-532.51m (CSF-A)

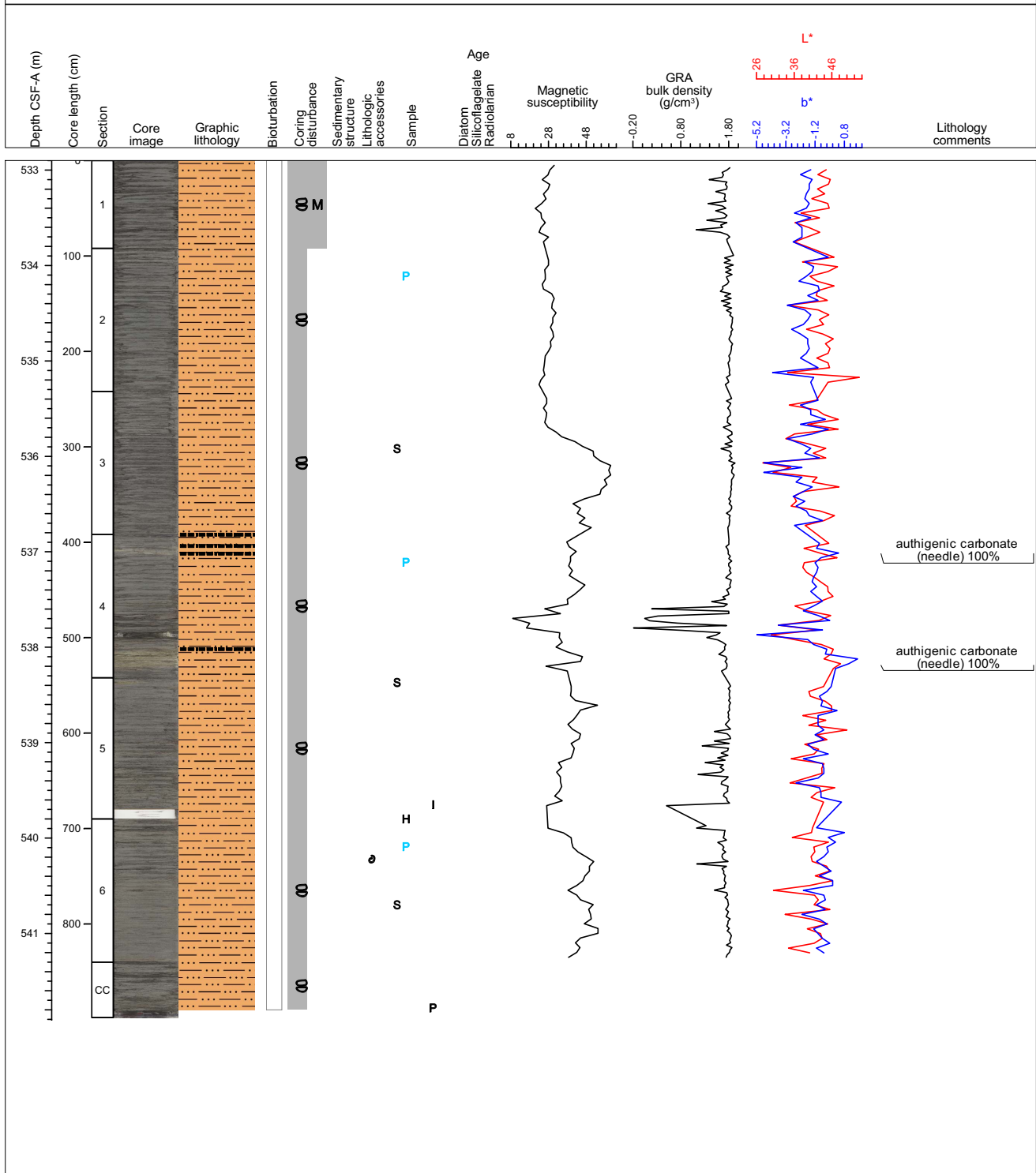
Main lithology is diatom-rich clayey silt. There are a few small sandy patches in the core and a 6 mm clast in section 4. Bioturbation is absent. Drilling disturbance as biscuits is slight.



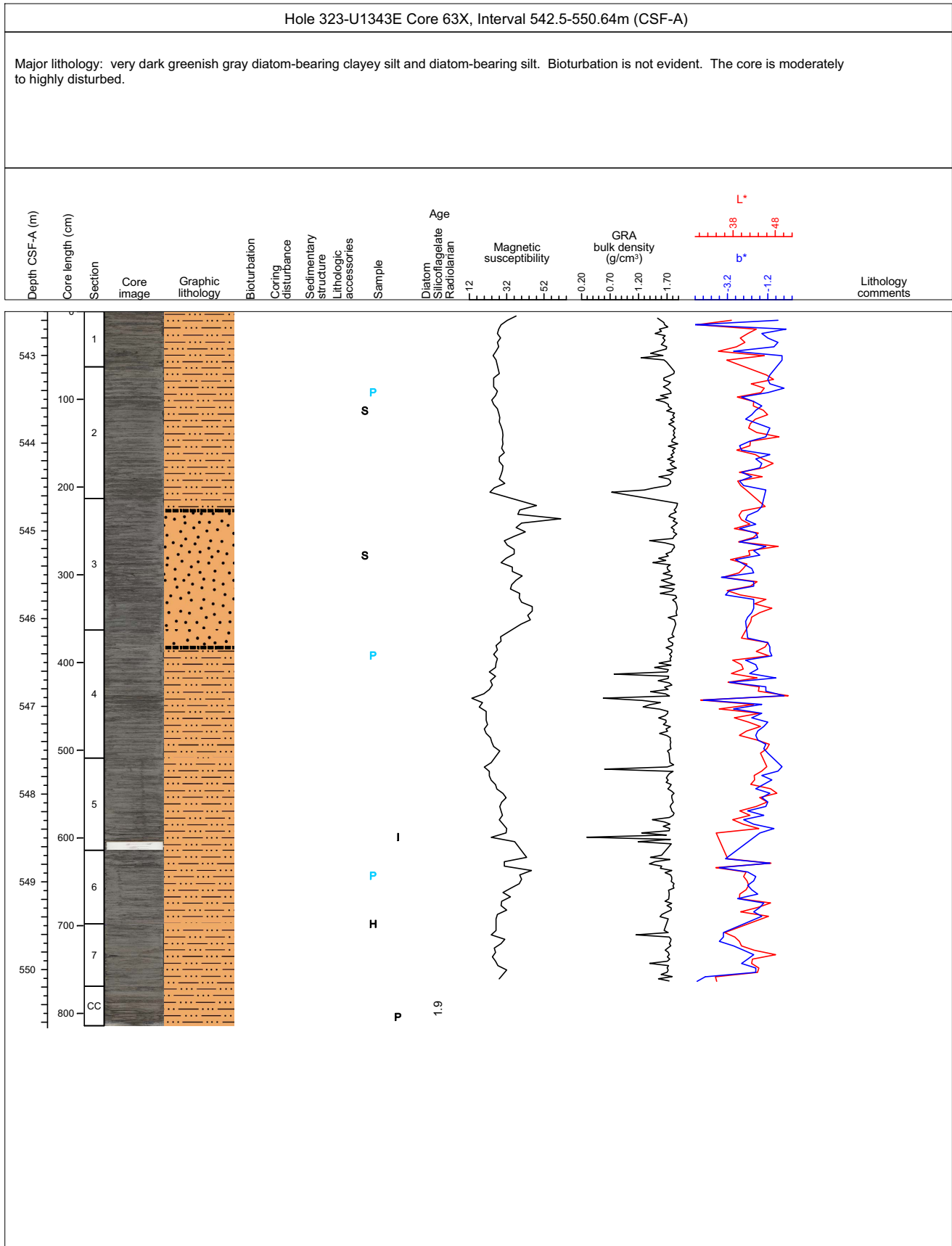
Core Photo

Hole 323-U1343E Core 62X, Interval 532.9-541.88m (CSF-A)

Main lithology: clayey silt (very dark gray 3/N) (from Section 1 to Section 3); diatom-bearing clayey silt (very dark gray 5Y 3/1) (Section 4 to CC). Authigenic carbonate layer that contains many needle shape carbonates occurs in Section 4 and Section 5. Bioturbation could not be identified because of drilling disturbance.



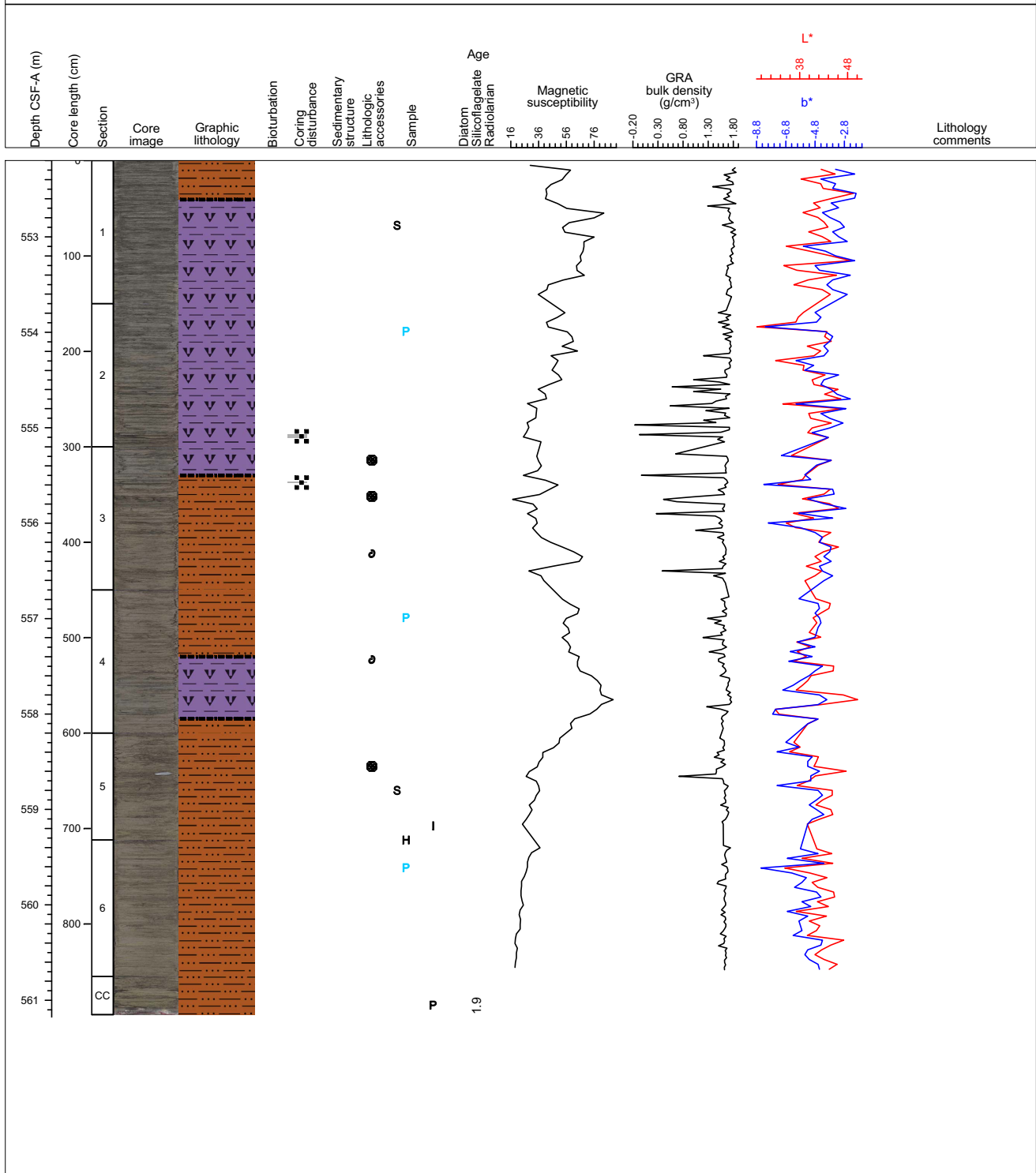
Core Photo



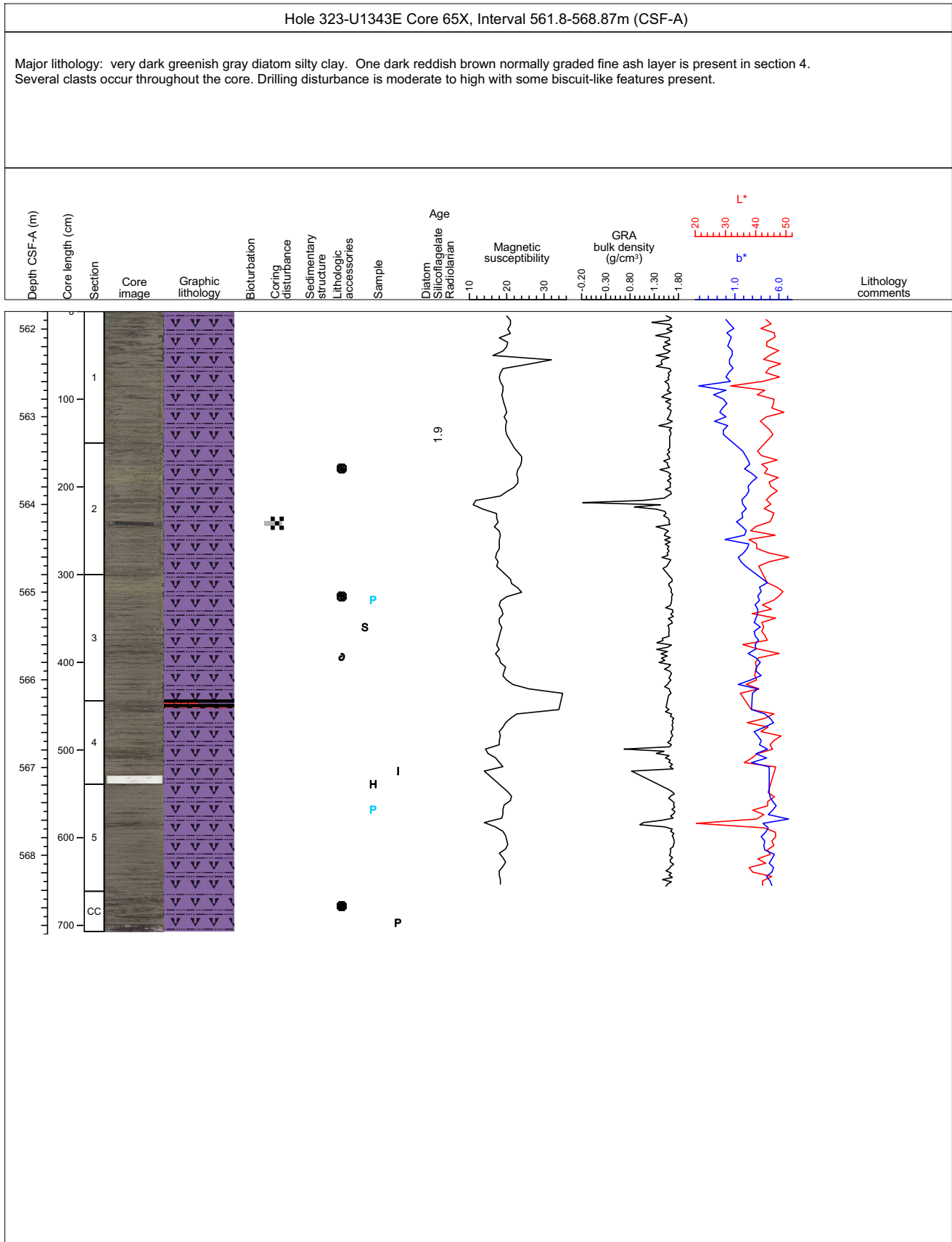
Core Photo

Hole 323-U1343E Core 64X, Interval 552.2-561.15m (CSF-A)

Major lithologies: very dark to dark greenish gray diatom-bearing silty clay and greenish black diatom clay. Several granules, pebbles, and clusters of shell fragments occur throughout the core. Drilling disturbance is slight to high. The sediments are crumbly, cracked, and fragmented in places.



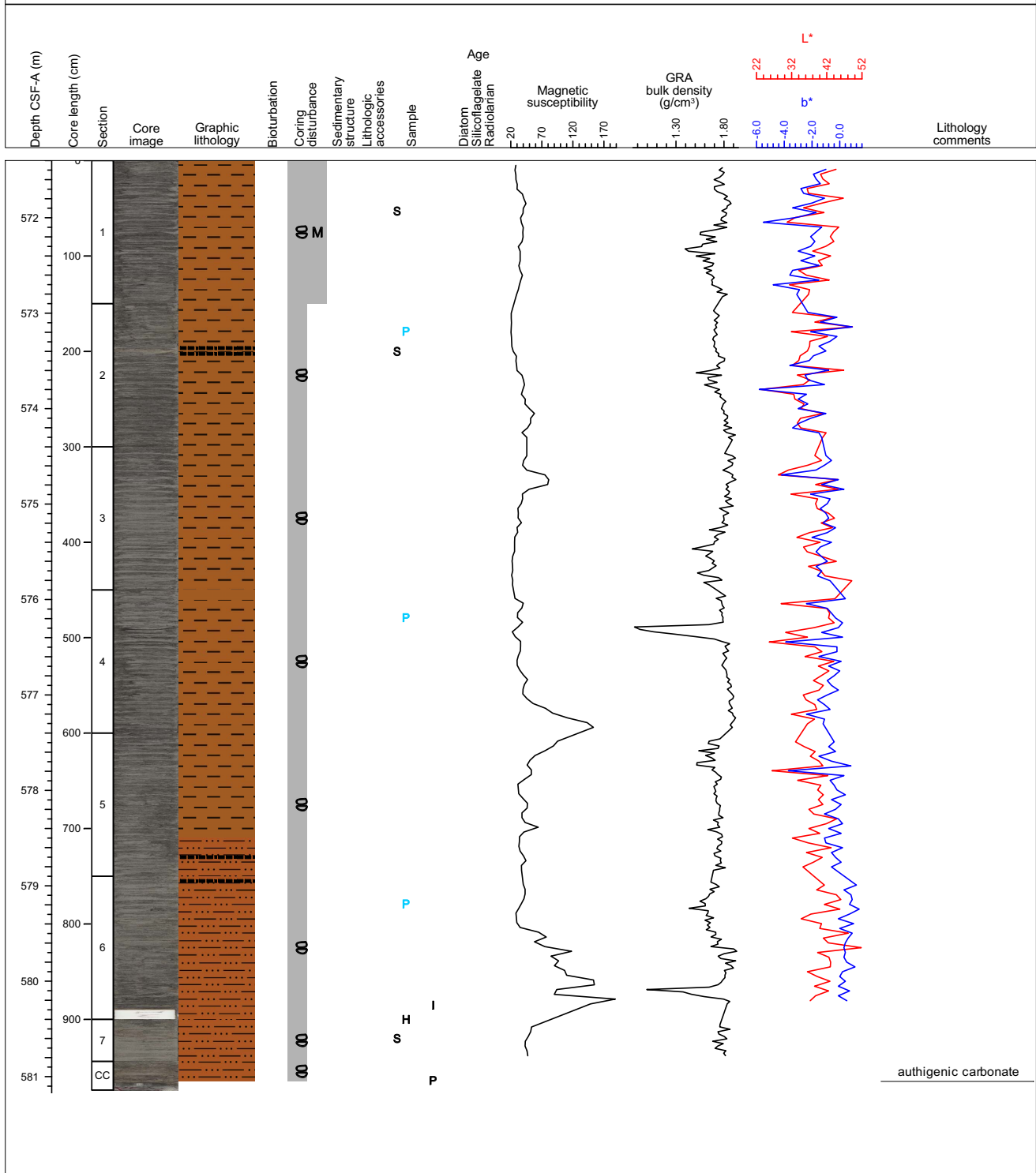
Core Photo



Core Photo

Hole 323-U1343E Core 66X, Interval 571.4-581.14m (CSF-A)

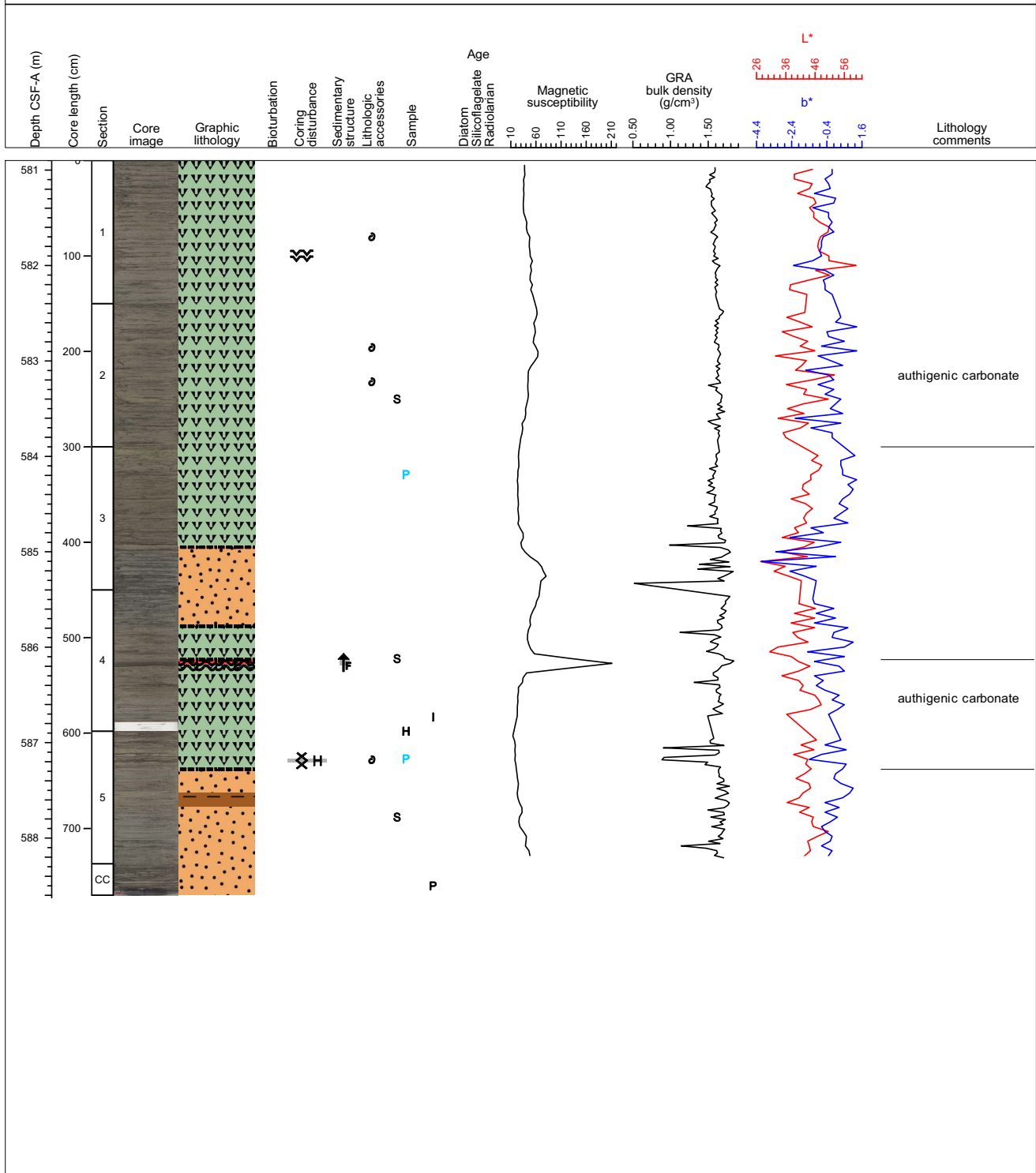
The main lithologies are very dark gray authigenic carbonate-rich clay (sections 1 through 5) and very dark greenish gray authigenic carbonate-bearing silty clay. A dark greenish gray layer of authigenic carbonate and diatom-rich clay occurs in section 2. The core shows drilling deformation throughout.



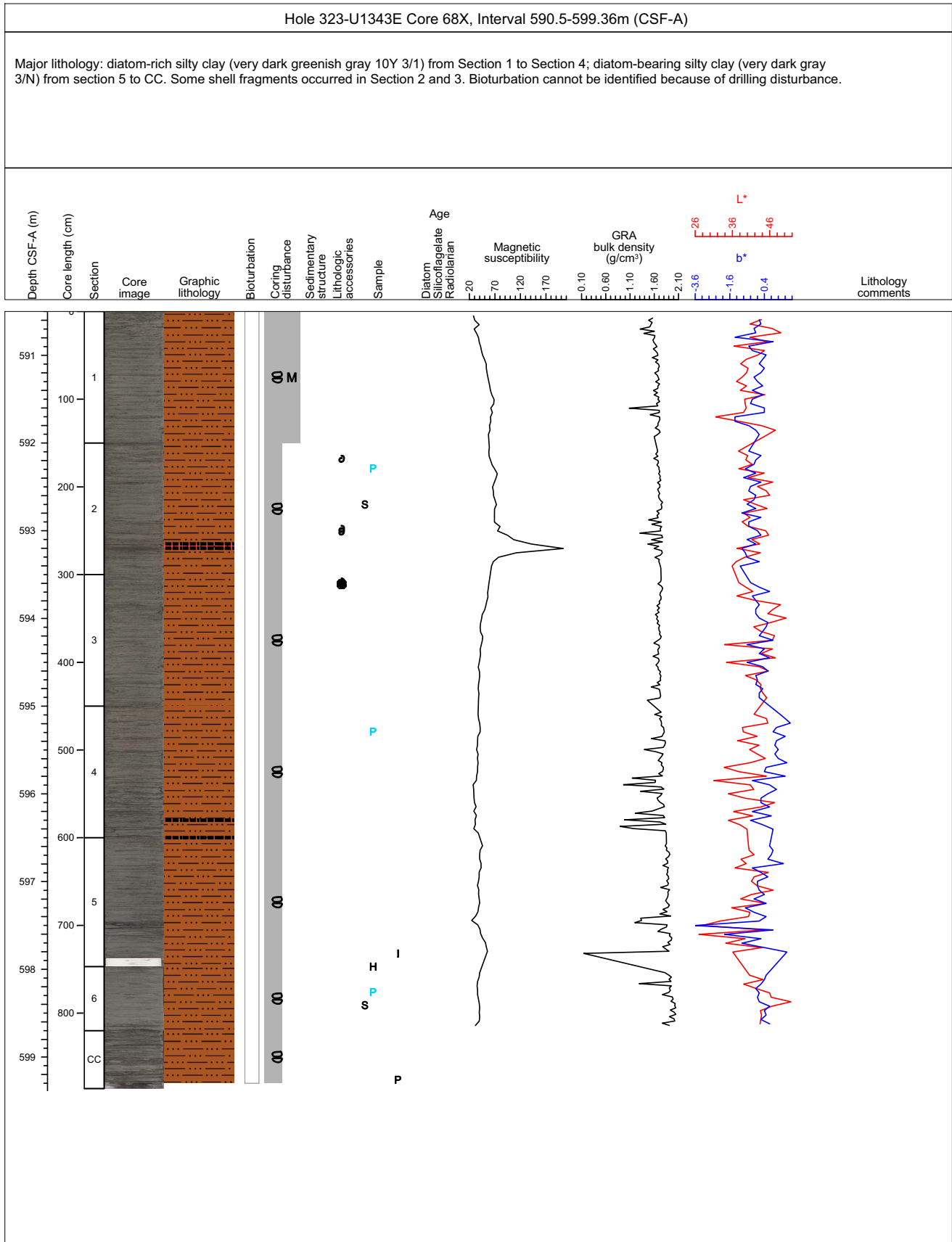
Core Photo

Hole 323-U1343E Core 67X, Interval 580.9-588.6m (CSF-A)

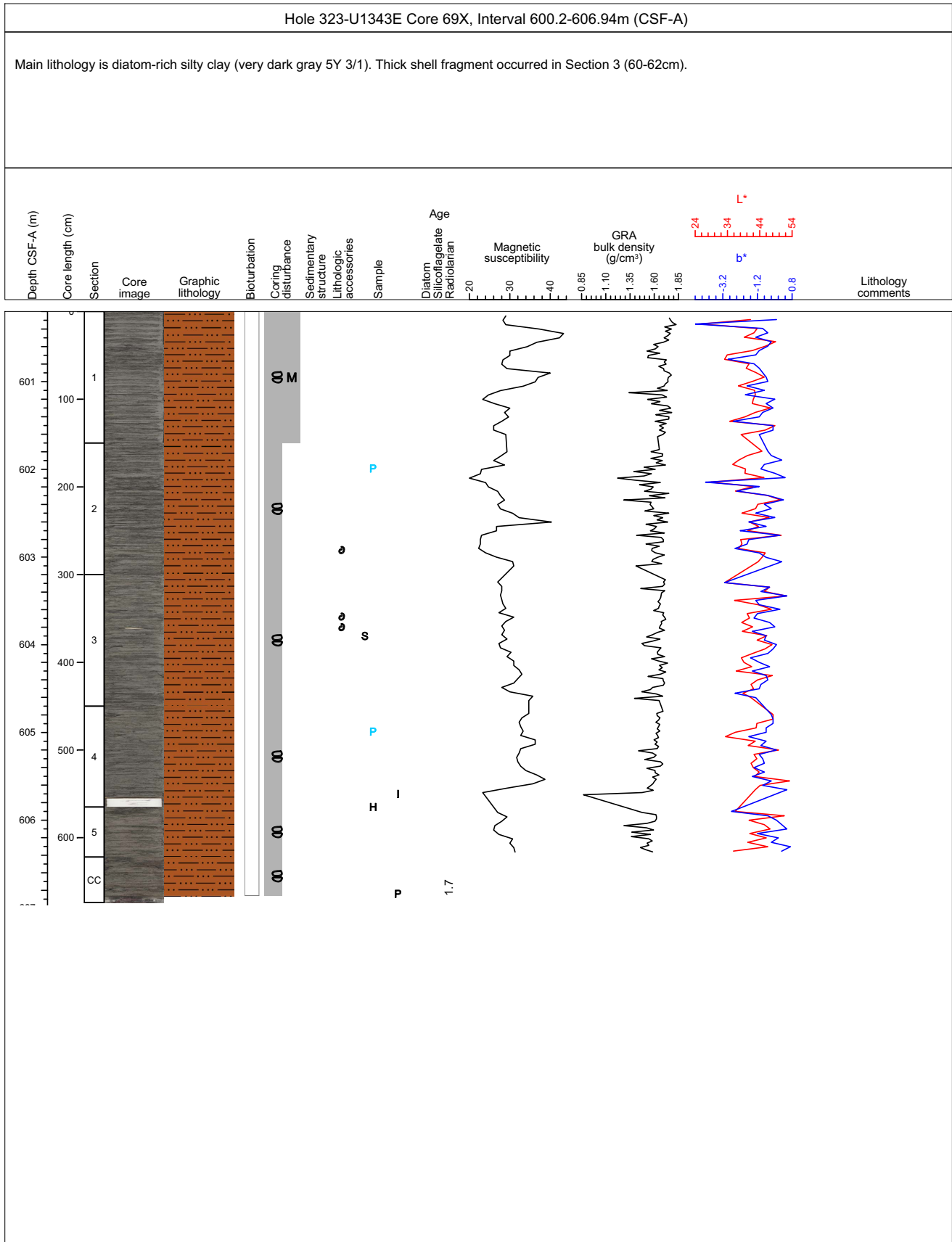
Major lithologies: very dark greenish gray authigenic carbonate-rich diatom ooze and greenish black diatom-rich silt. Secondary lithology: dark greenish gray authigenic carbonate-rich diatom-bearing clay. One normally graded ash layer is present in section 4. Shell fragments are found scattered throughout the core. Drilling disturbance is moderate to severe with the core cracked and broken into pieces as well containing biscuit-like structures.



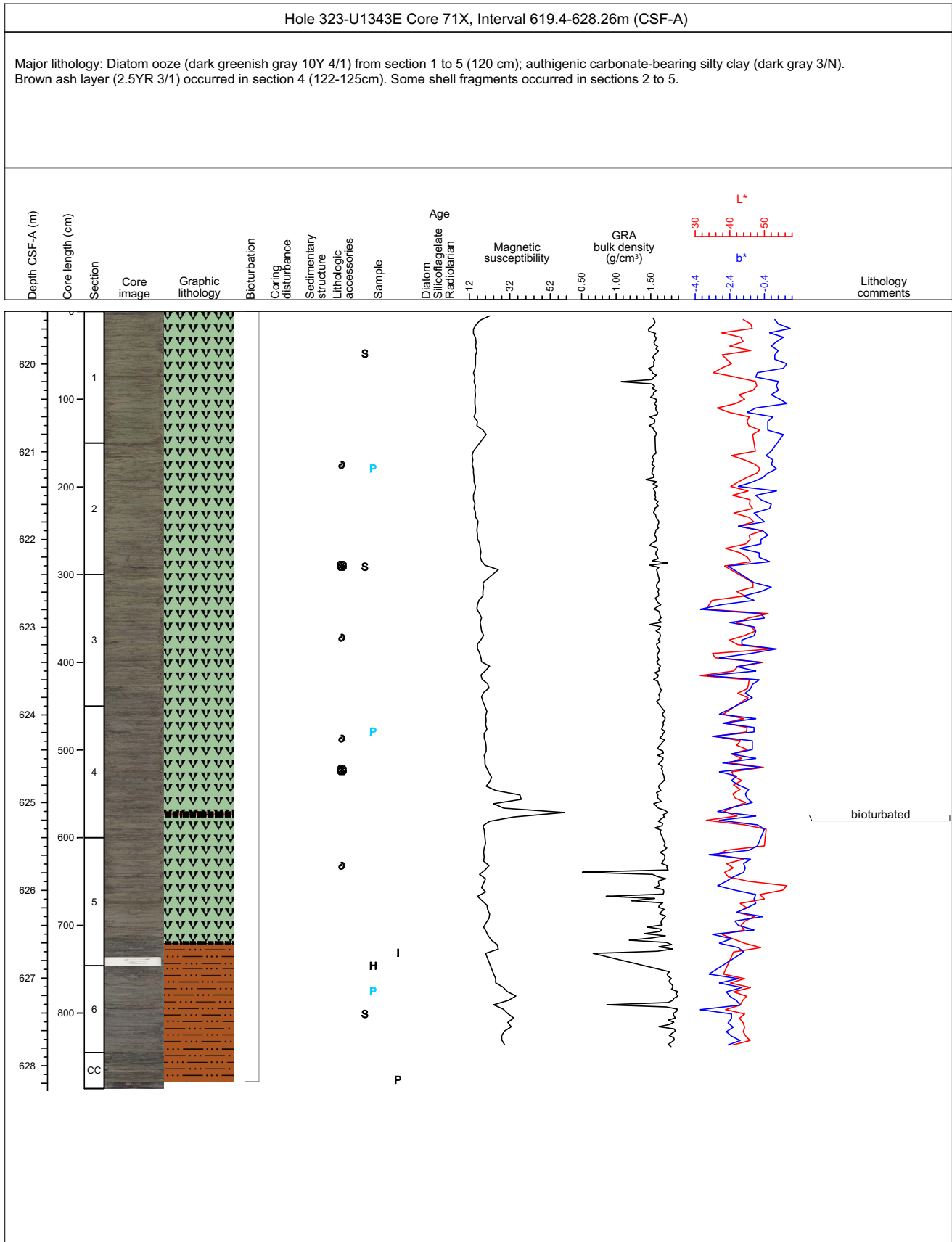
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Core Photo



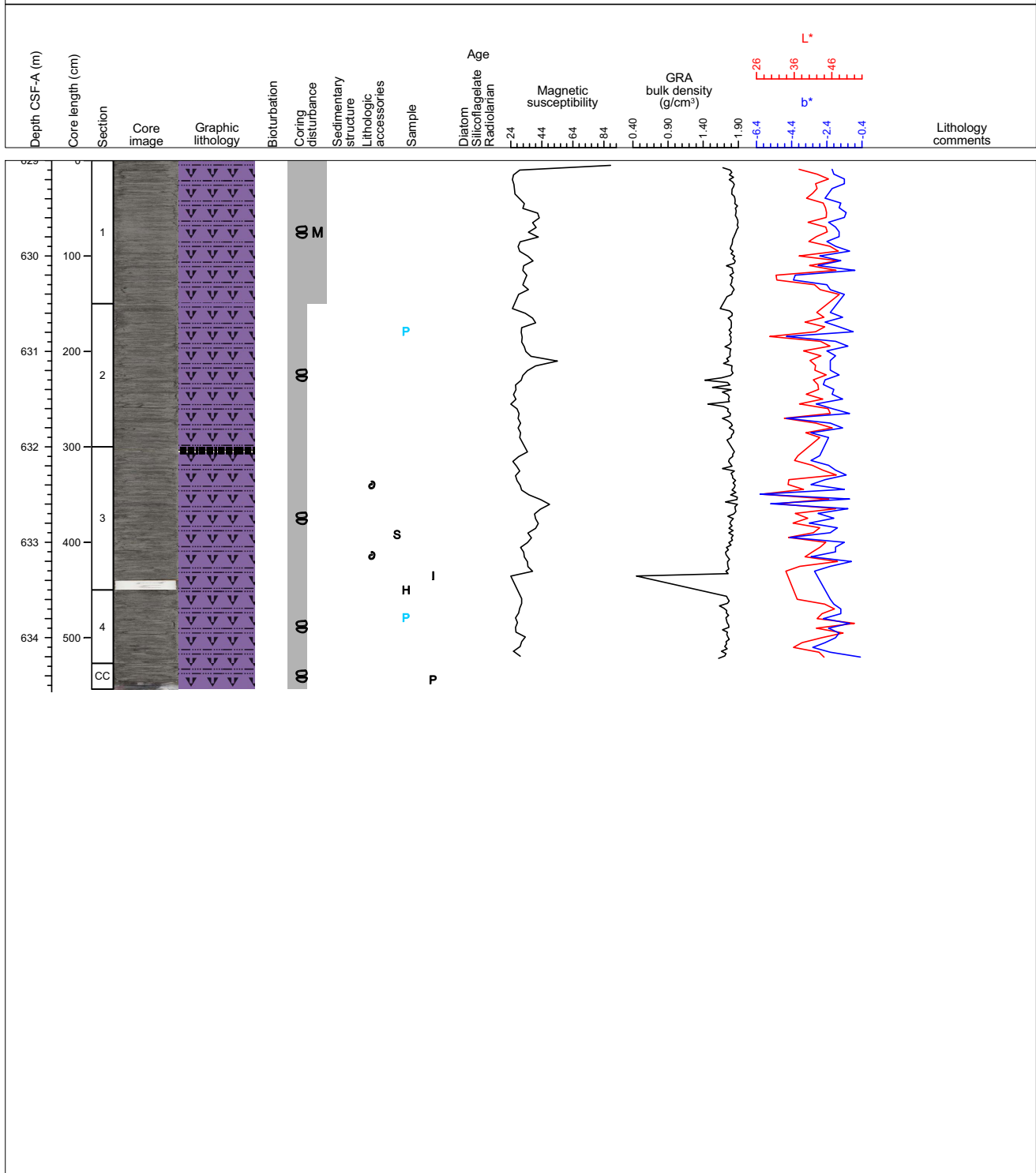
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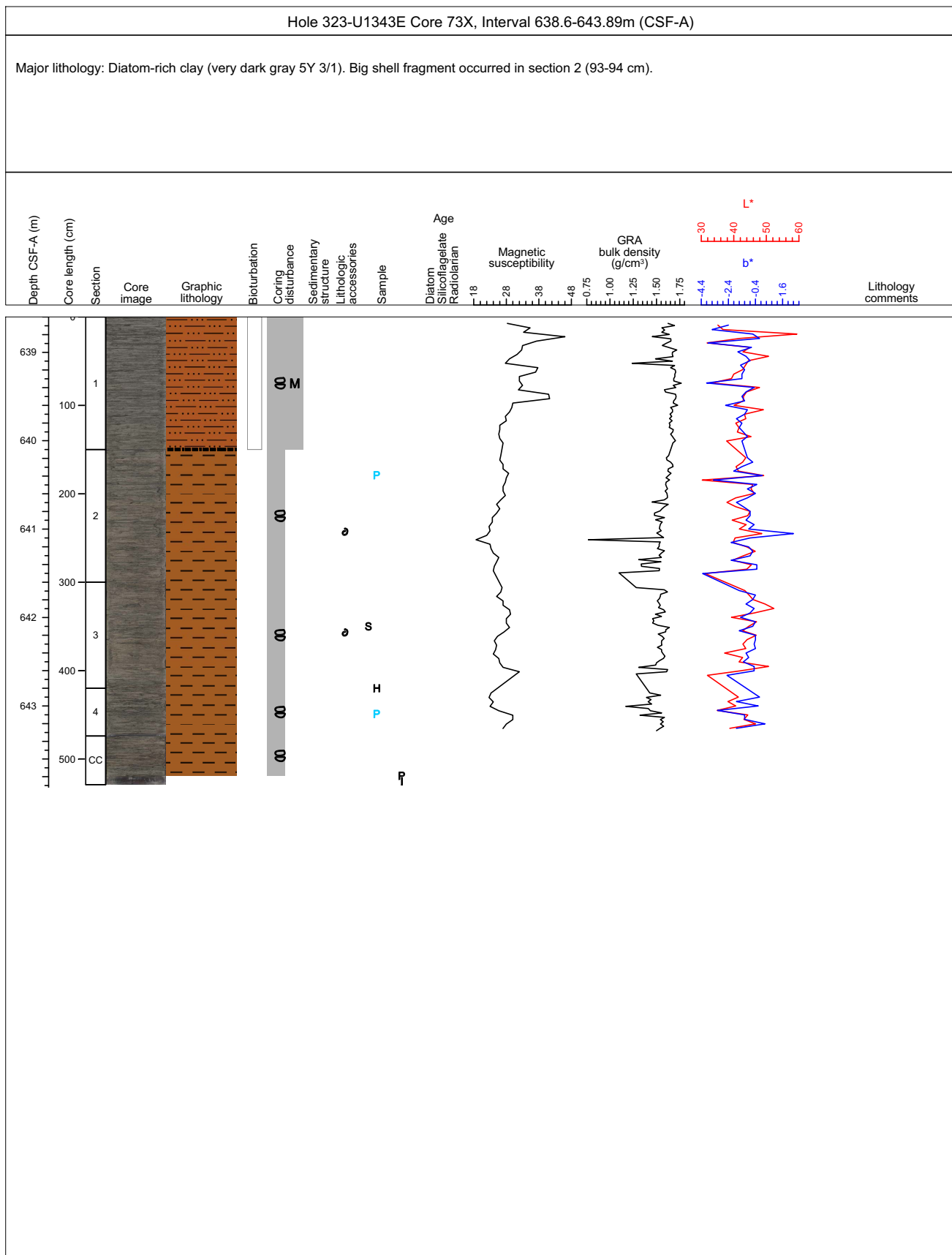
Core Photo

Hole 323-U1343E Core 72X, Interval 629.0-634.54m (CSF-A)

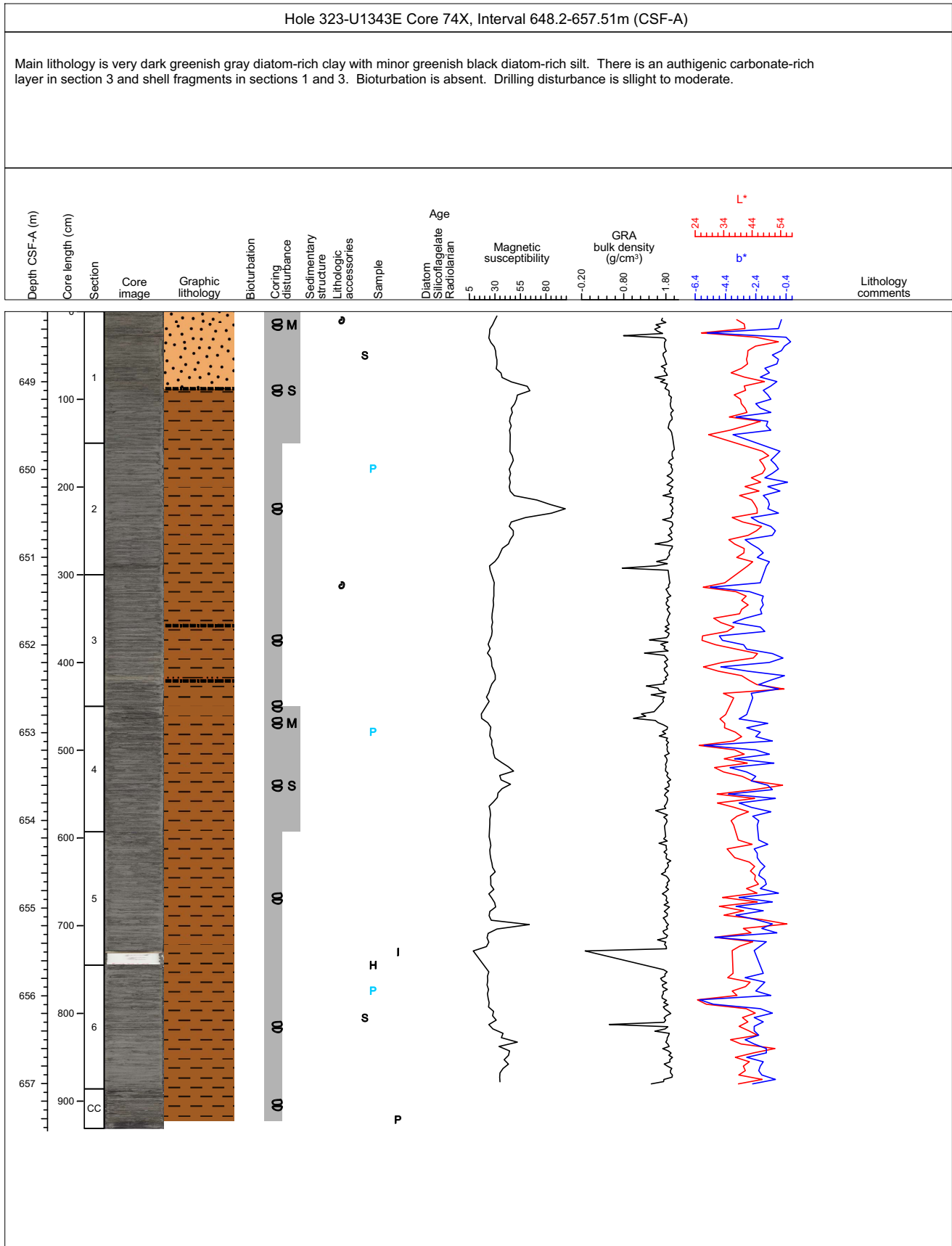
Major lithology: Greenish black authigenic carbonate-rich diatom silty clay. Secondary lithology: A 4 cm layer of almost pure authigenic carbonates in section 3. Two shells are present in section 3. Drilling disturbance is moderate and biscuits are seen throughout.



Core Photo



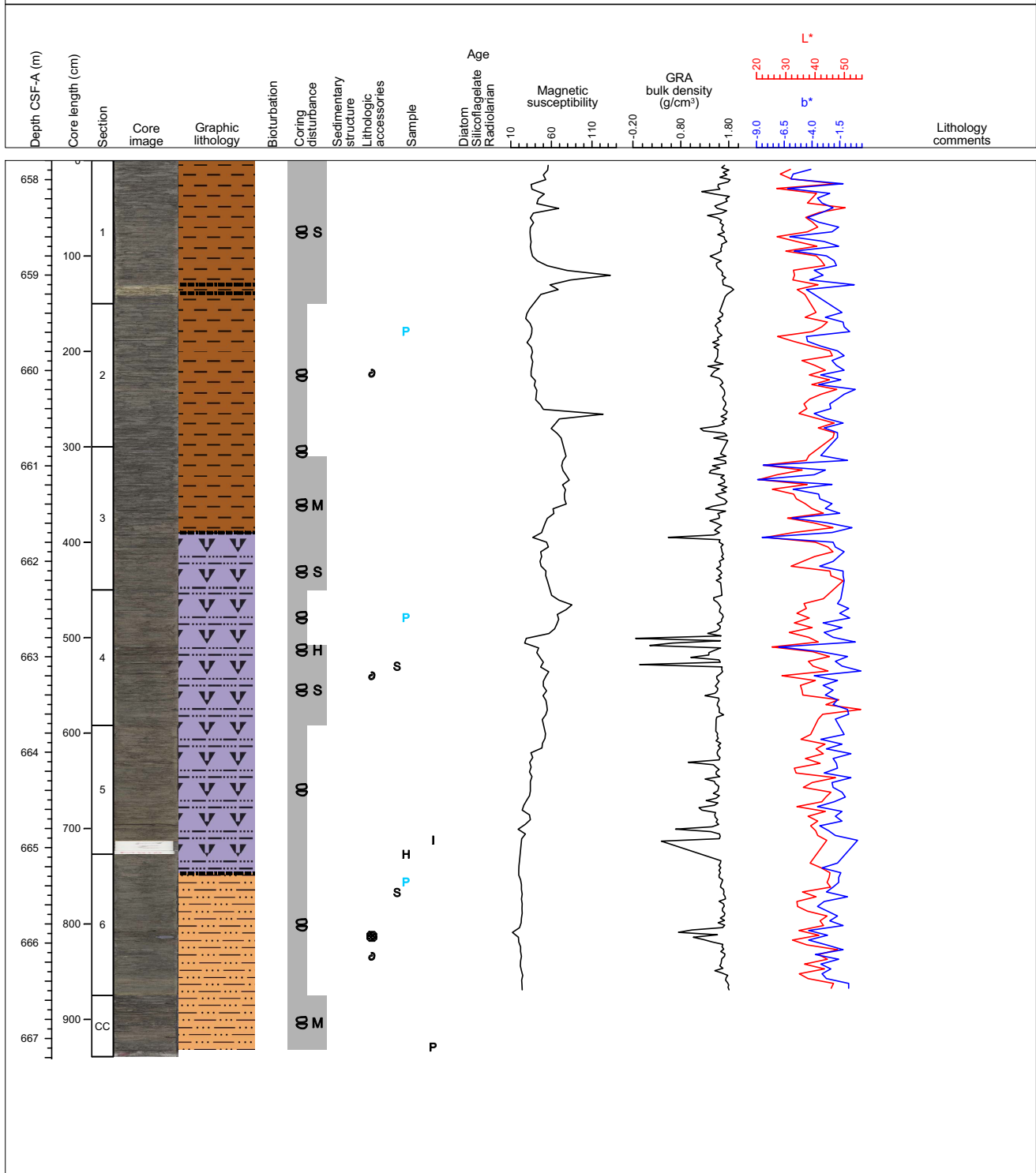
Core Photo



Core Photo

Hole 323-U1343E Core 75X, Interval 657.8-667.19m (CSF-A)

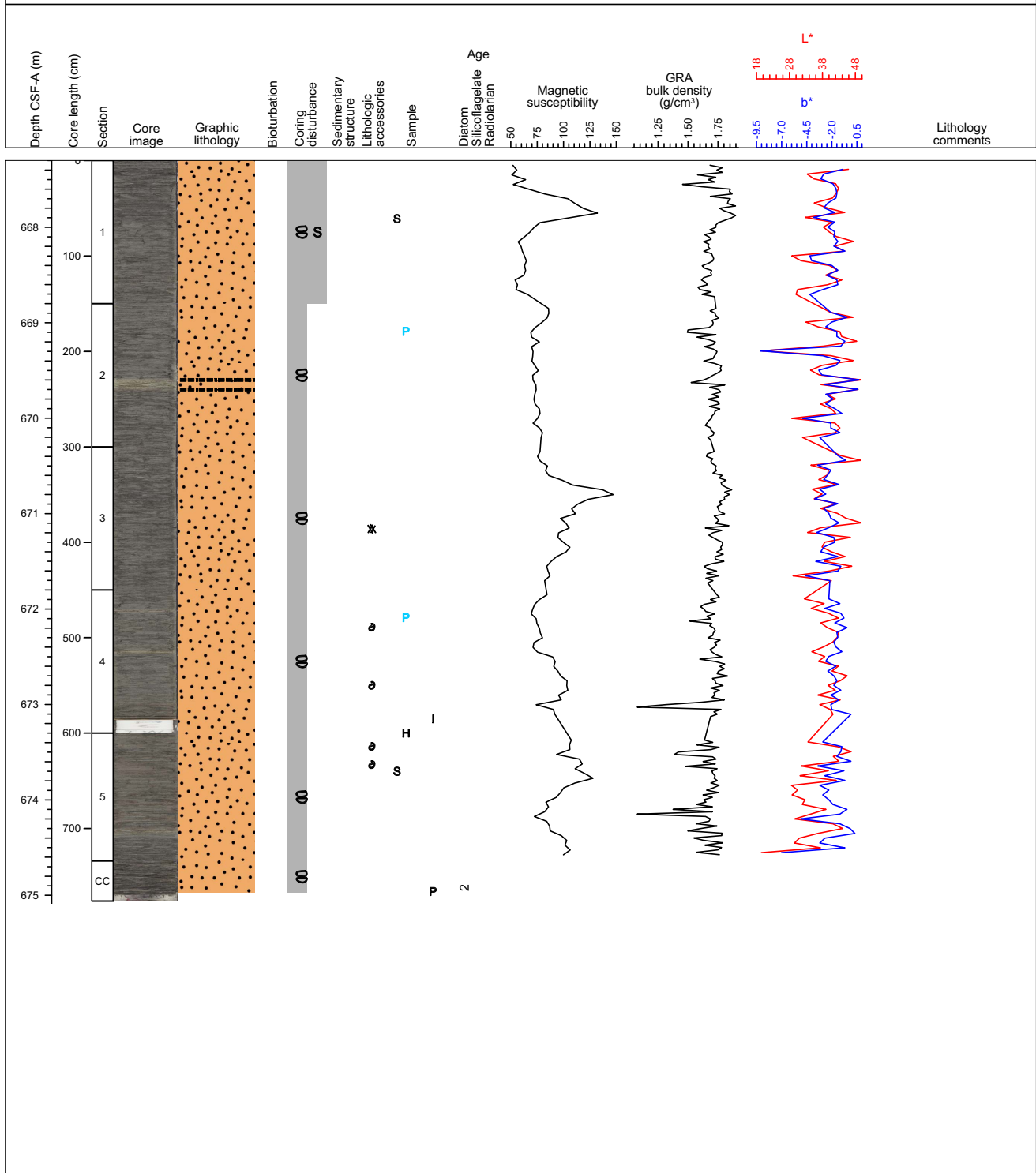
Main lithologies are very dark greenish gray diatom-rich clay and dark olive gray diatom clayey silt. Boundaries are gradational. There are layers and mottles of authigenic carbonate, shell fragments in sections 2, 4 and 6 and a clast in section 6. Bioturbation is absent and drilling disturbance varies from slight to high.



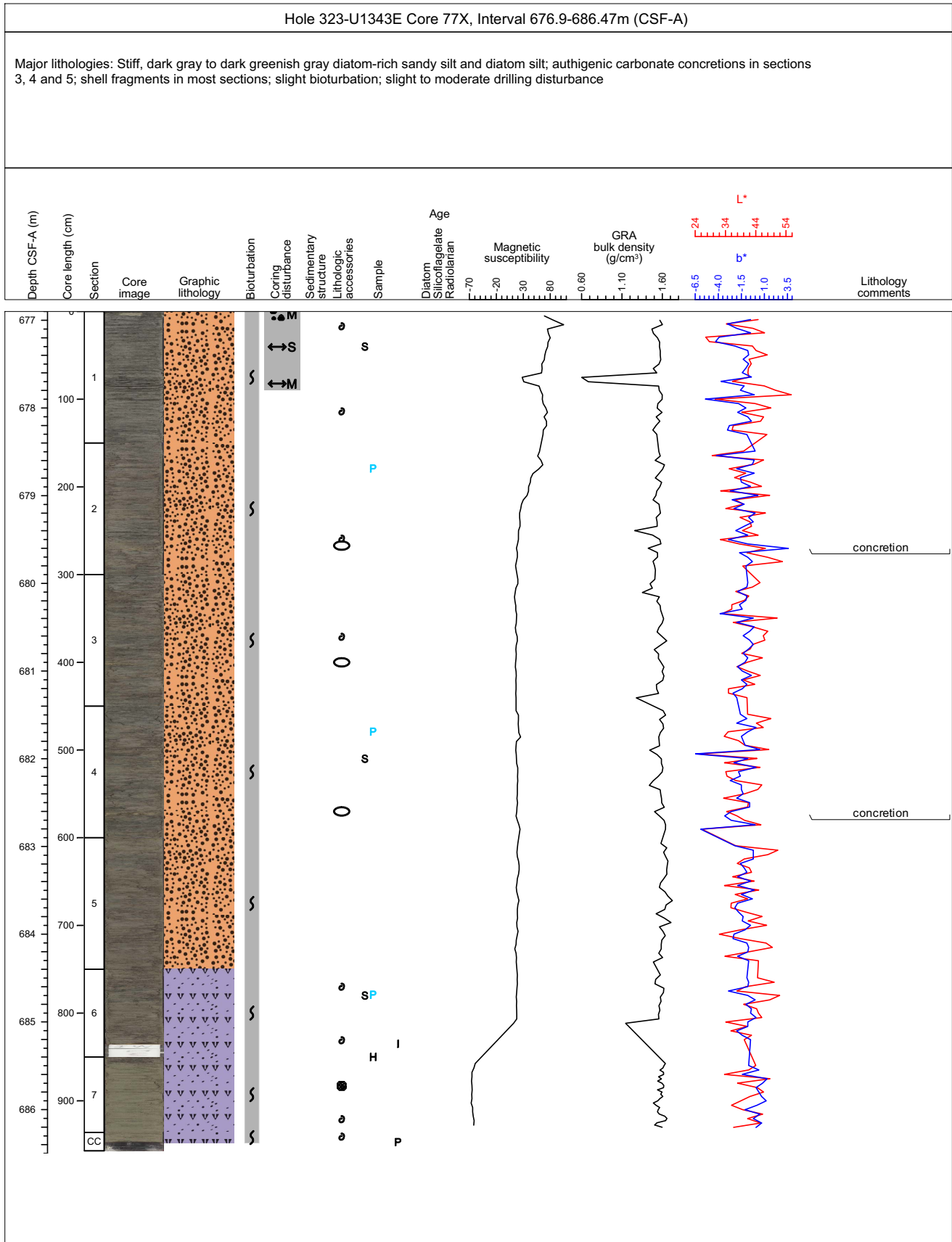
Core Photo

Hole 323-U1343E Core 76X, Interval 667.3-675.06m (CSF-A)

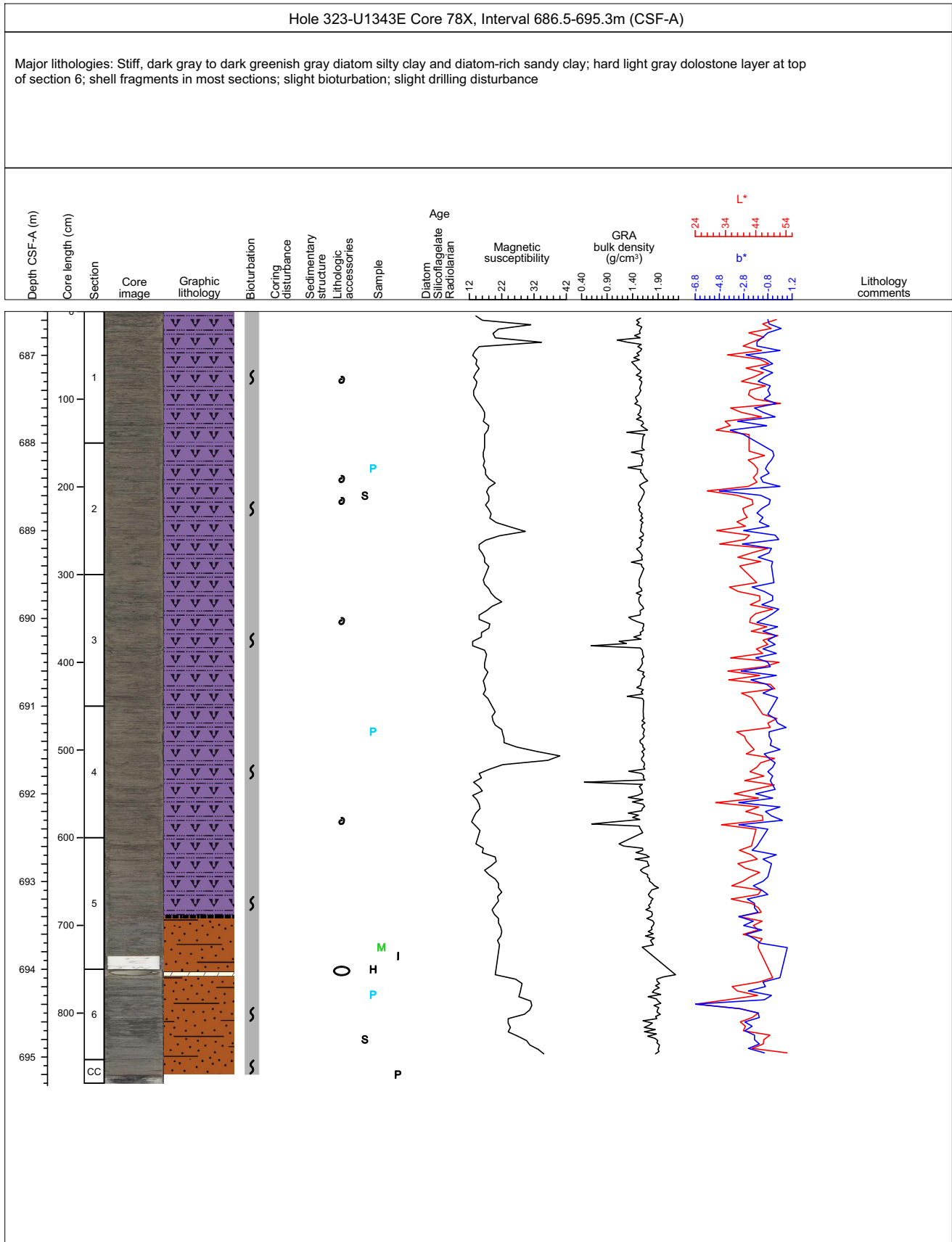
Main lithology is a greenish black diatom-rich silt. There are layers and mottles of authigenic carbonate throughout the core and shell fragments in sections 4 and 5. Bioturbation is absent and drilling disturbance is slight.



Core Photo



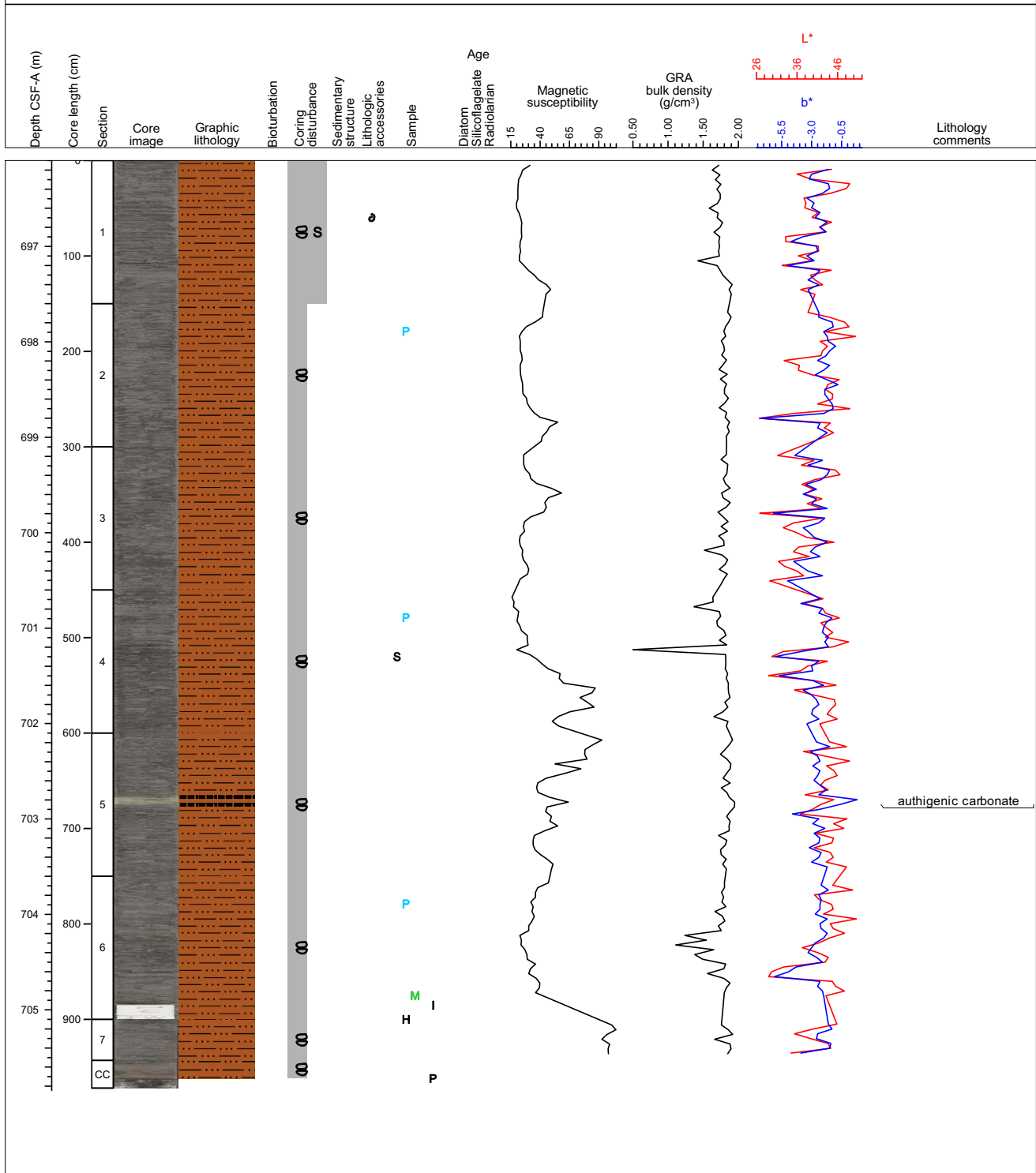
Core Photo



Core Photo

Hole 323-U1343E Core 79X, Interval 696.1-705.82m (CSF-A)

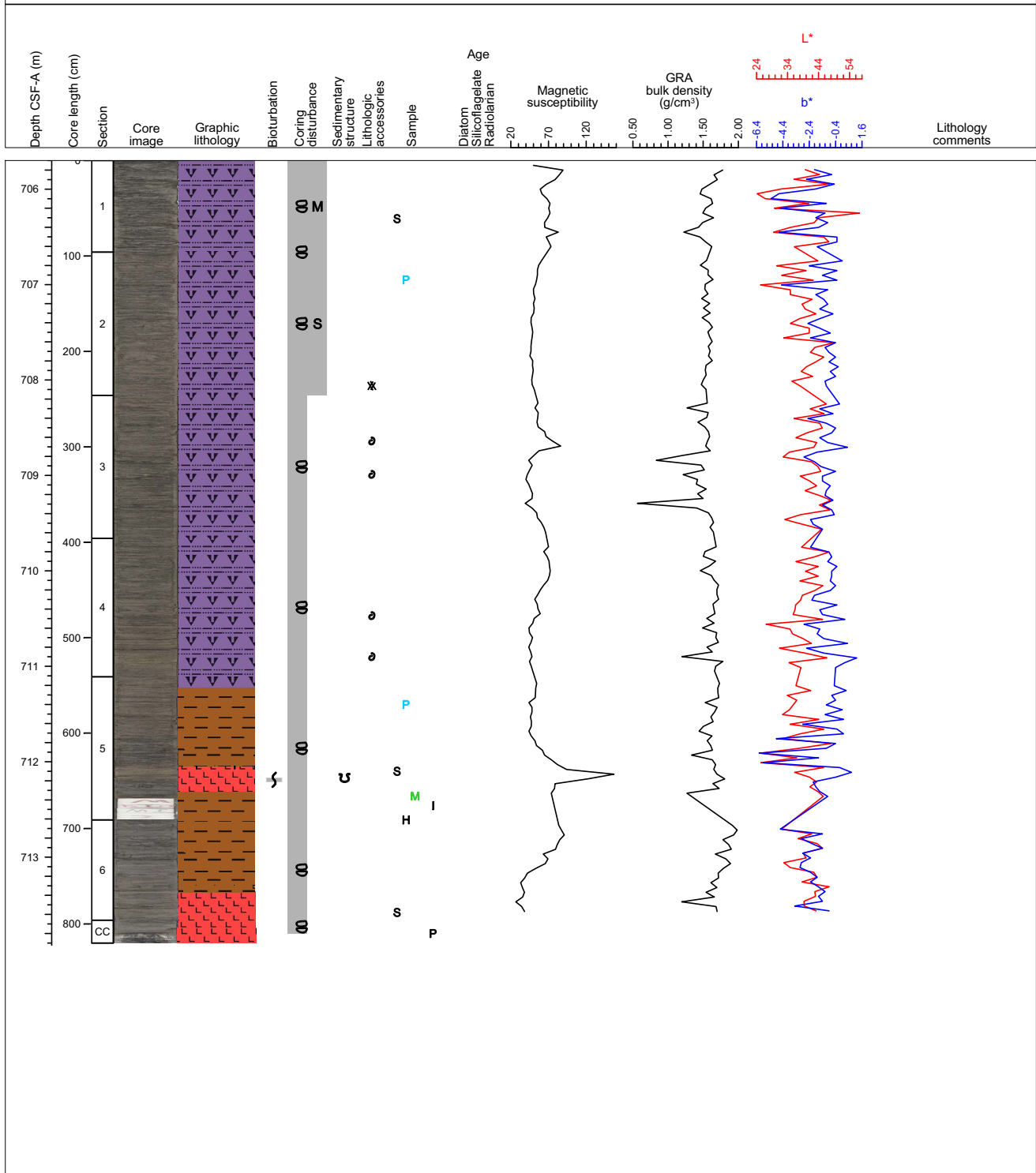
Main lithology is greenish black diatom-bearing silty clay. There is a shell fragment in section 1, a sandy patch in section 4 and an authigenic carbonate-rich layer in section 5. Bioturbation is absent and there is slight drilling disturbance.



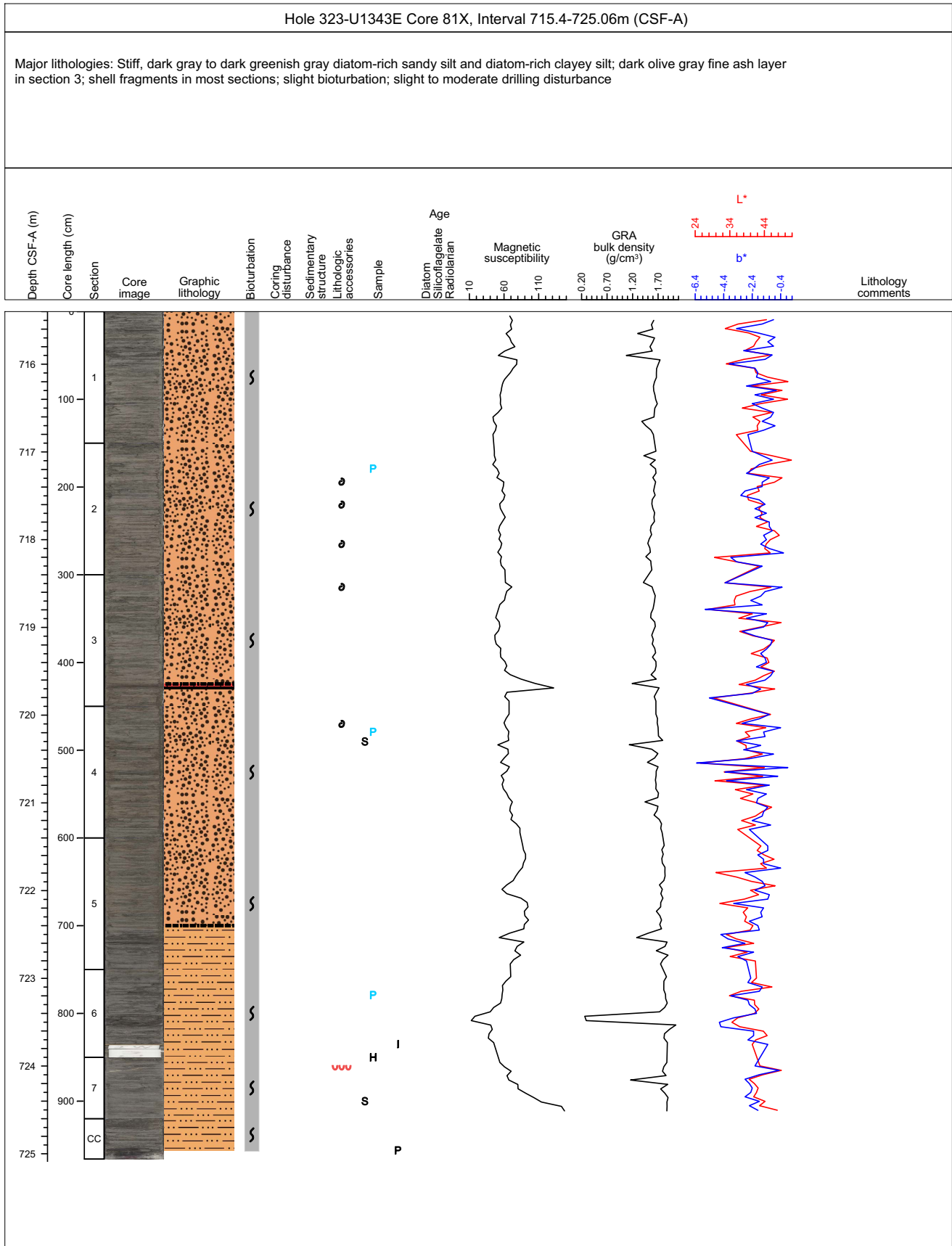
Core Photo

Hole 323-U1343E Core 80X, Interval 705.7-713.9m (CSF-A)

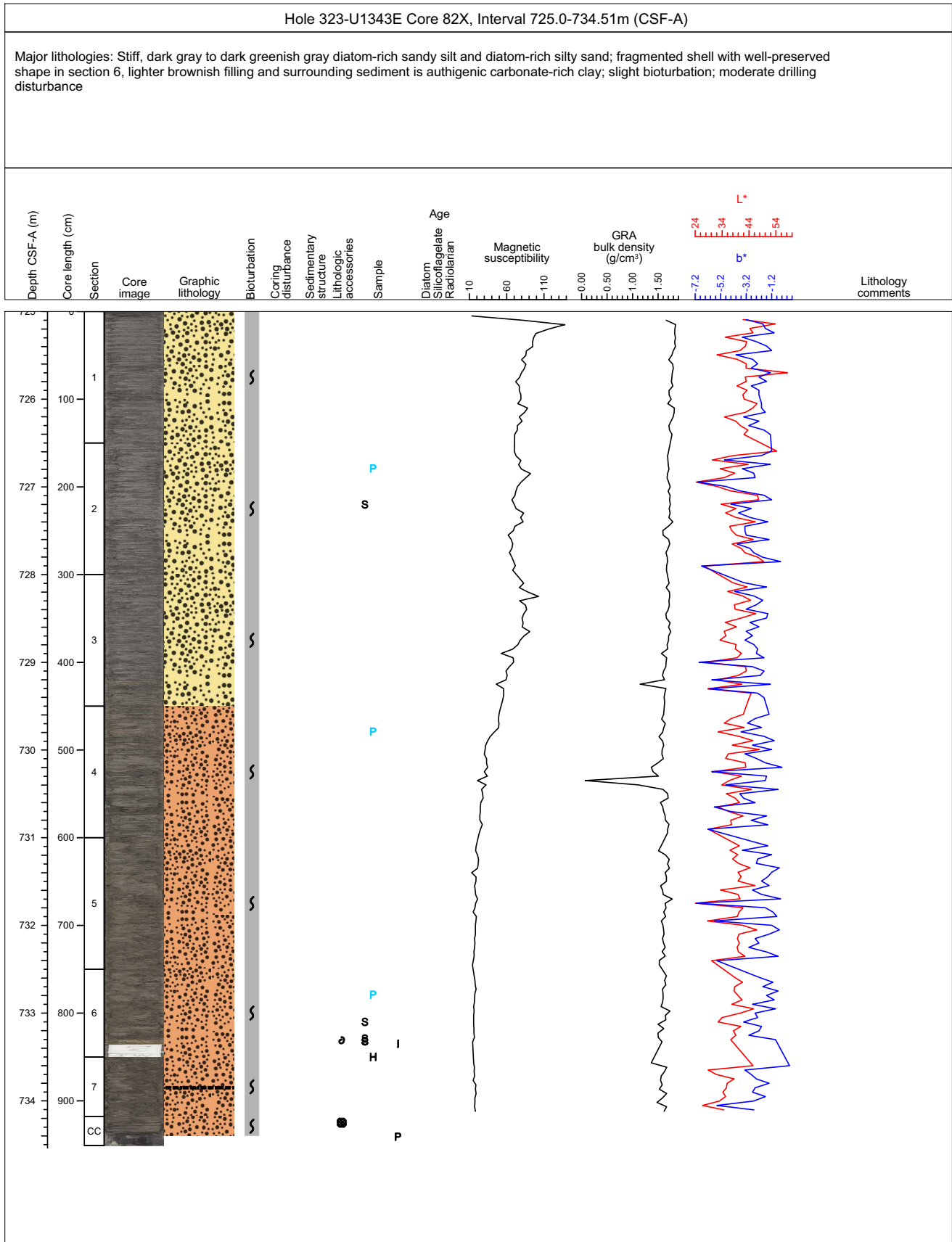
Main lithology is greenish black with lesser black and very dark greenish gray. There are two dark olive grey fine ash beds separated by black ash in section 5. Shell fragments are present in sections 3 and 5. Bioturbation is absent and drilling disturbance varies from slight to moderate.



Core Photo



Core Photo



Core Photo

Hole 323-U1343E Core 83X, Interval 734.6-744.0m (CSF-A)

The main lithology is greenish black diatom-rich sandy silt. There is an ash layer in section 3 and shell fragments in section 2. Bioturbation is absent. Drilling disturbance varies from moderate to severe.

