

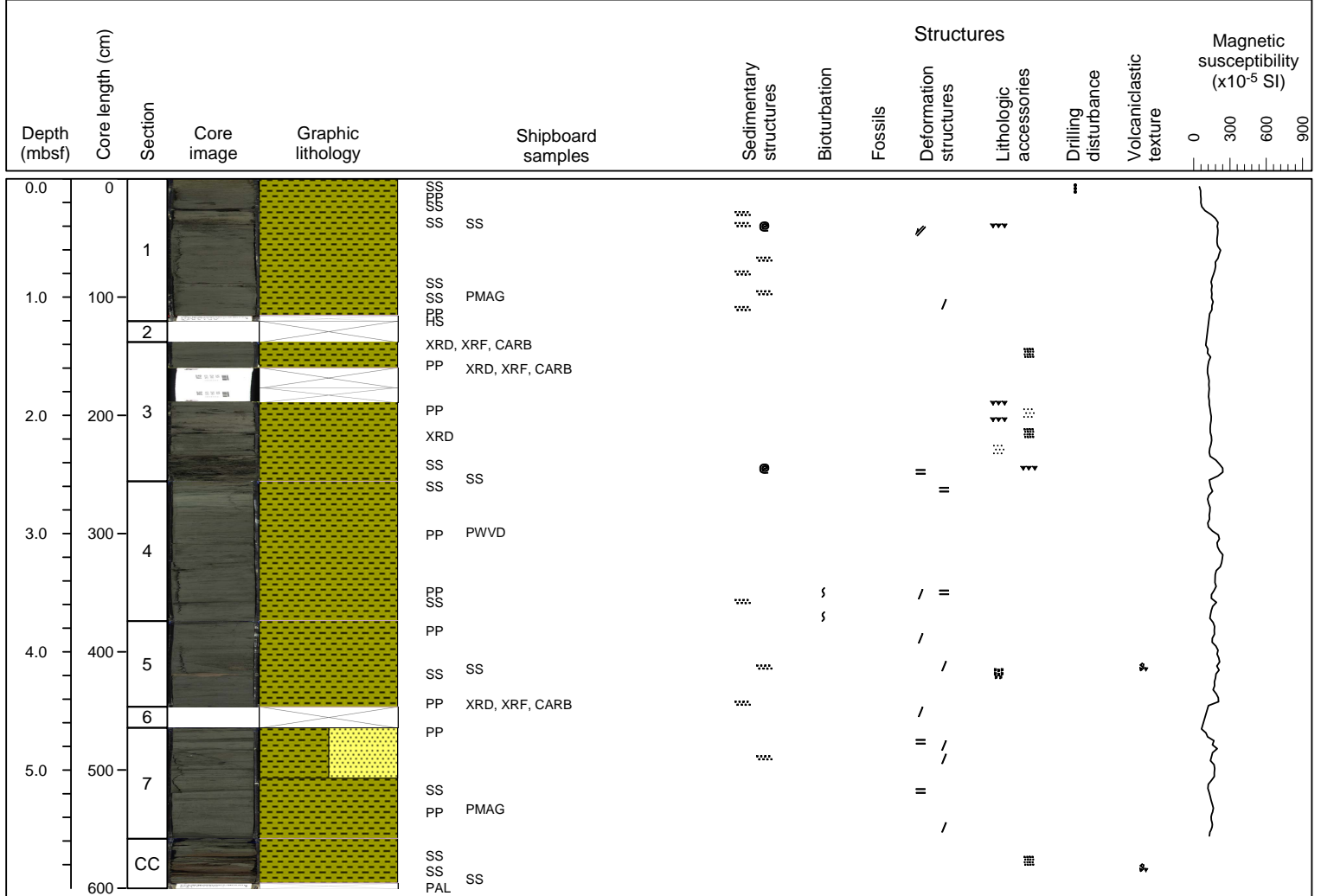
Hole C0024B Core 1H, interval 0-6 m (core depth below seafloor)

SILTY CLAY TO CLAYEY SILT

Dark olive gray silty clay/clayey silt with occasional dispersed fine sand and black opaque grain-rich sandy silt laminae.

Pelagic fossils are abundant.

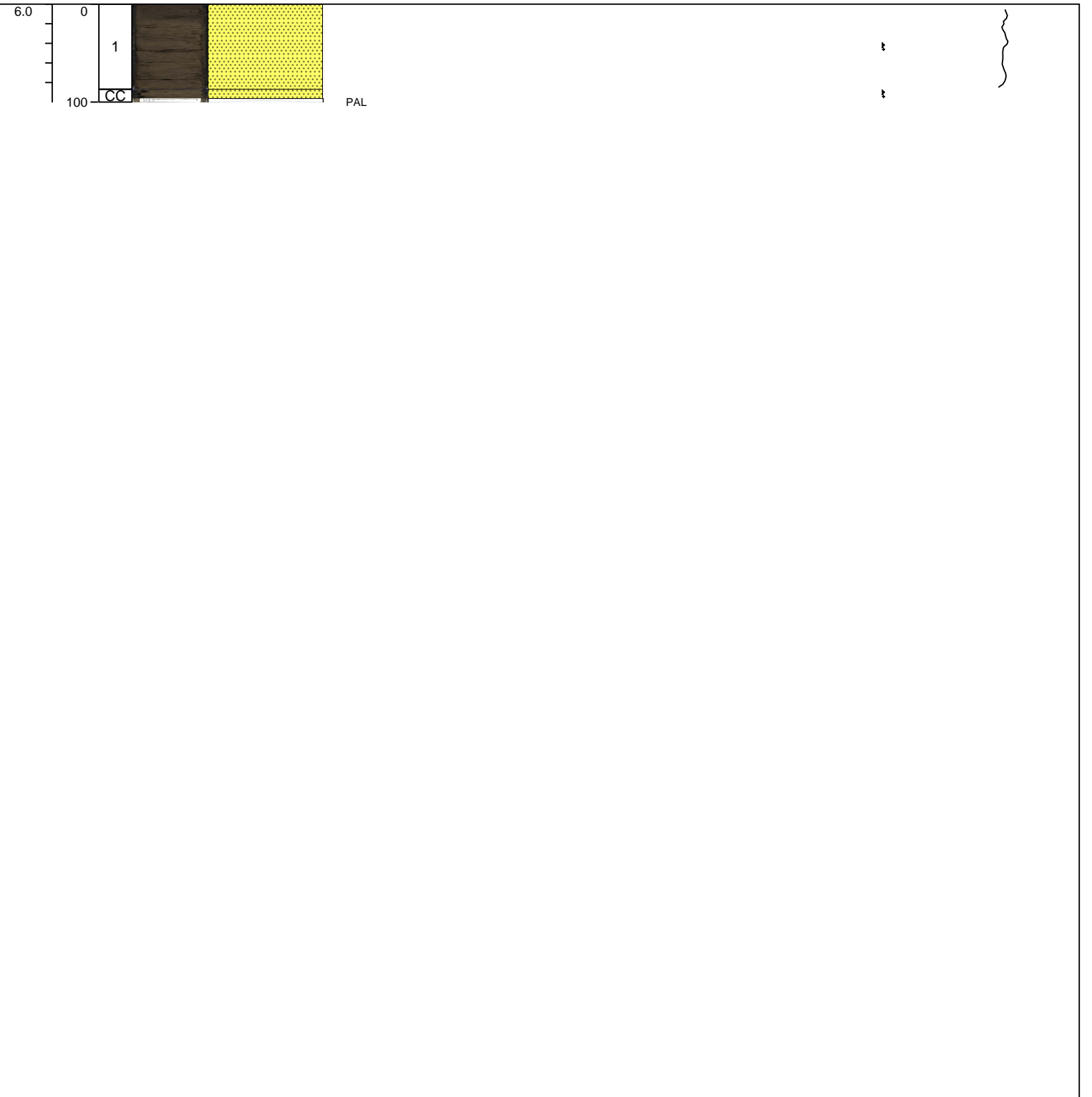
Pink grayish brown ash layer (4 cm thick) and adjacent horizons of beige, reddish brown, gray yellowish brown volcanoclastic/siliciclastic sand layers observed. Increase in the content of dispersed sand at the bottom of the core.



Hole C0024C Core 1H, interval 6-7 m (core depth below seafloor)

MUDDY SAND  
No stratification - Heavily disturbed by drilling

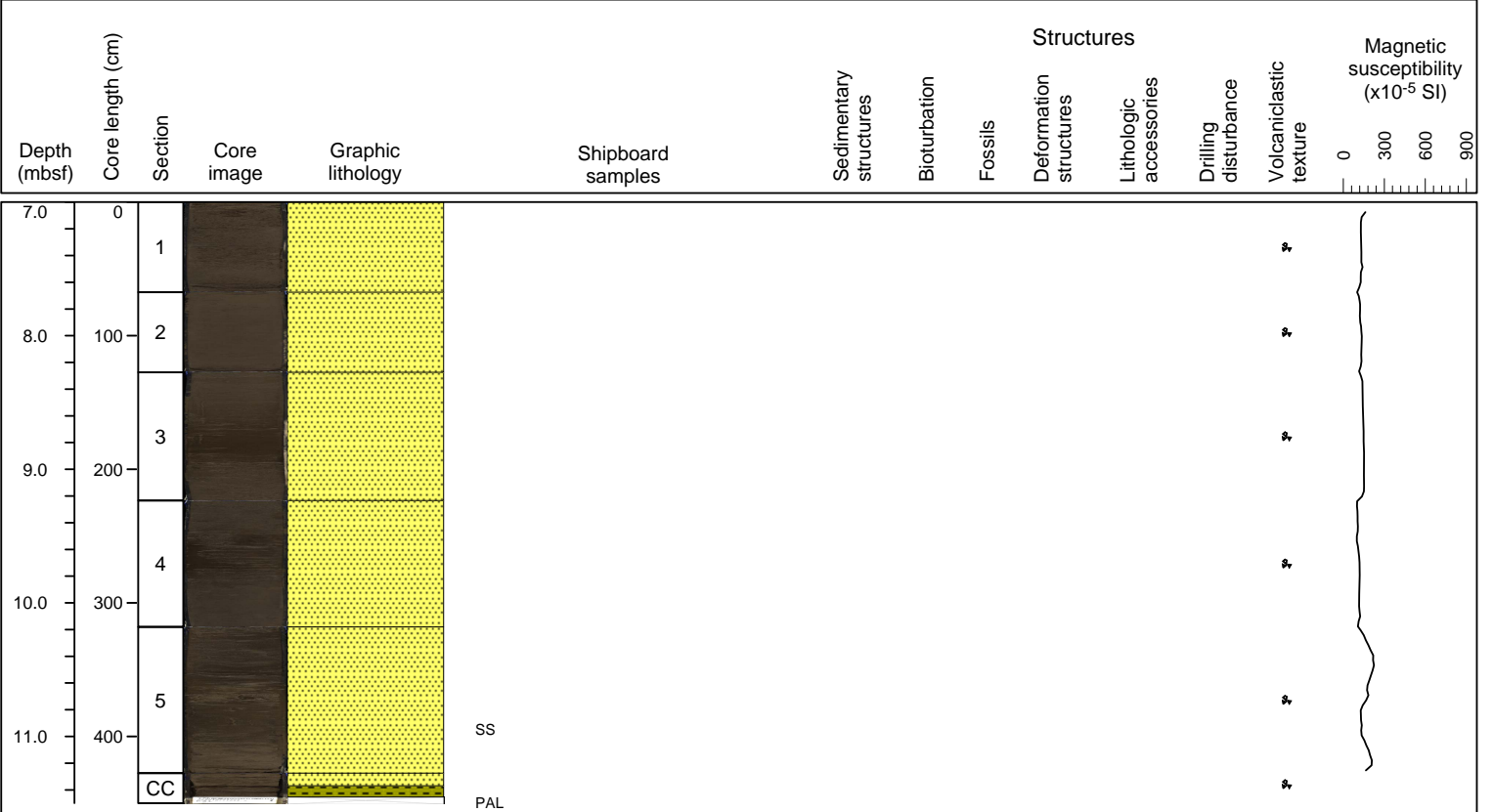
| Depth (mbsf) | Core length (cm) | Section | Core image | Graphic lithology | Shipboard samples | Structures             |              |         |                        |                        | Magnetic susceptibility (x10 <sup>-5</sup> SI) |
|--------------|------------------|---------|------------|-------------------|-------------------|------------------------|--------------|---------|------------------------|------------------------|--|
|              |                  |         |            |                   |                   | Sedimentary structures | Bioturbation | Fossils | Deformation structures | Lithologic accessories |  |



Hole C0024D Core 1H, interval 7-11.5 m (core depth below seafloor)

**MUDDY SAND**

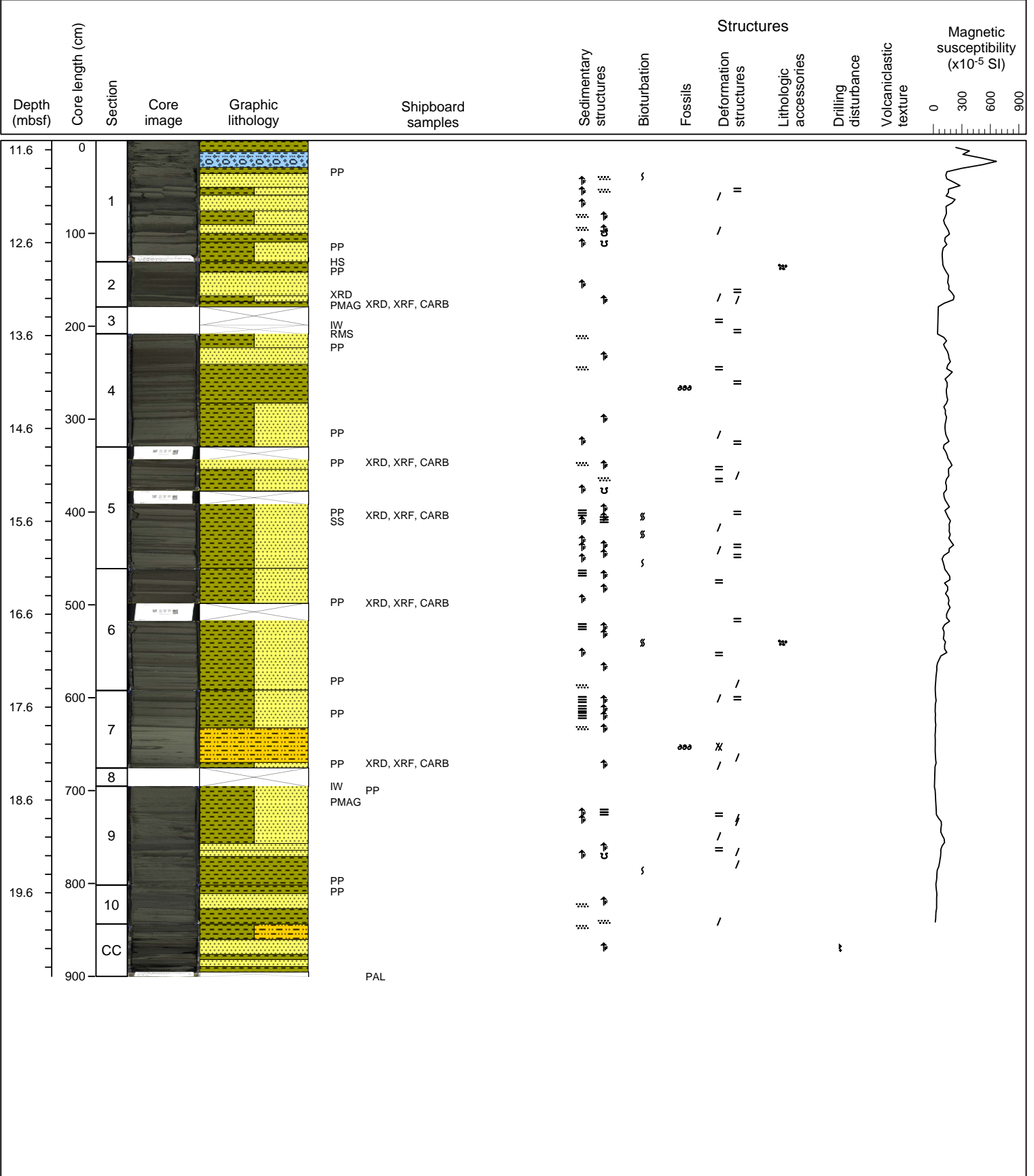
Homogenized, structureless dark brown muddy sand, dominant in volcanic glass (volcaniclastic/siliciclastic sediment). Increase in the mud content around 11.7 mDSF.



Hole C0024D Core 2H, interval 11.5-20.5 m (core depth below seafloor)

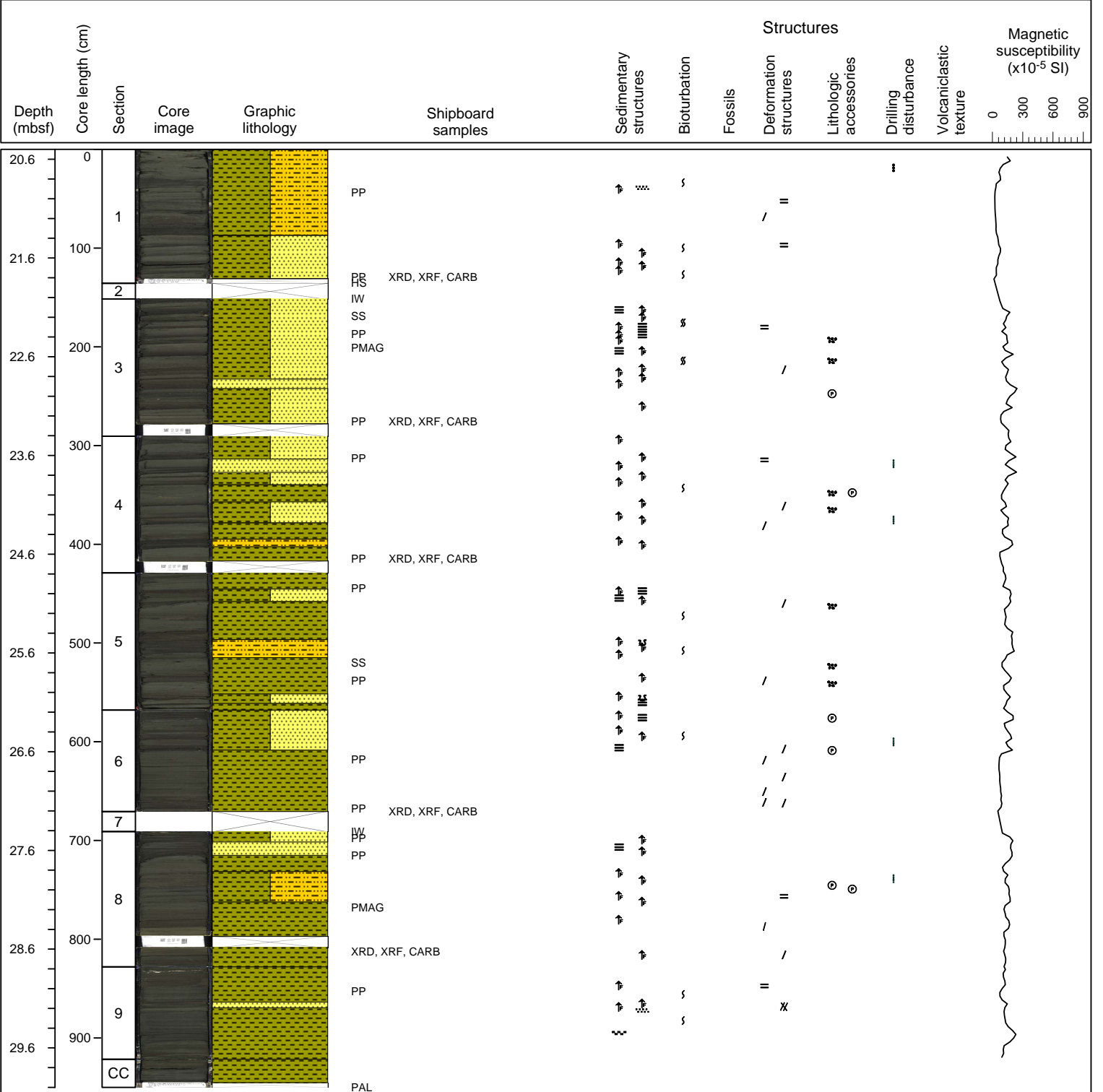
SILTY CLAY

Alternating structureless light grey silty clay with very-thin to thin- and silty to sandy dark grey graded beds showing parallel laminations. Debris flow is observed at the top.



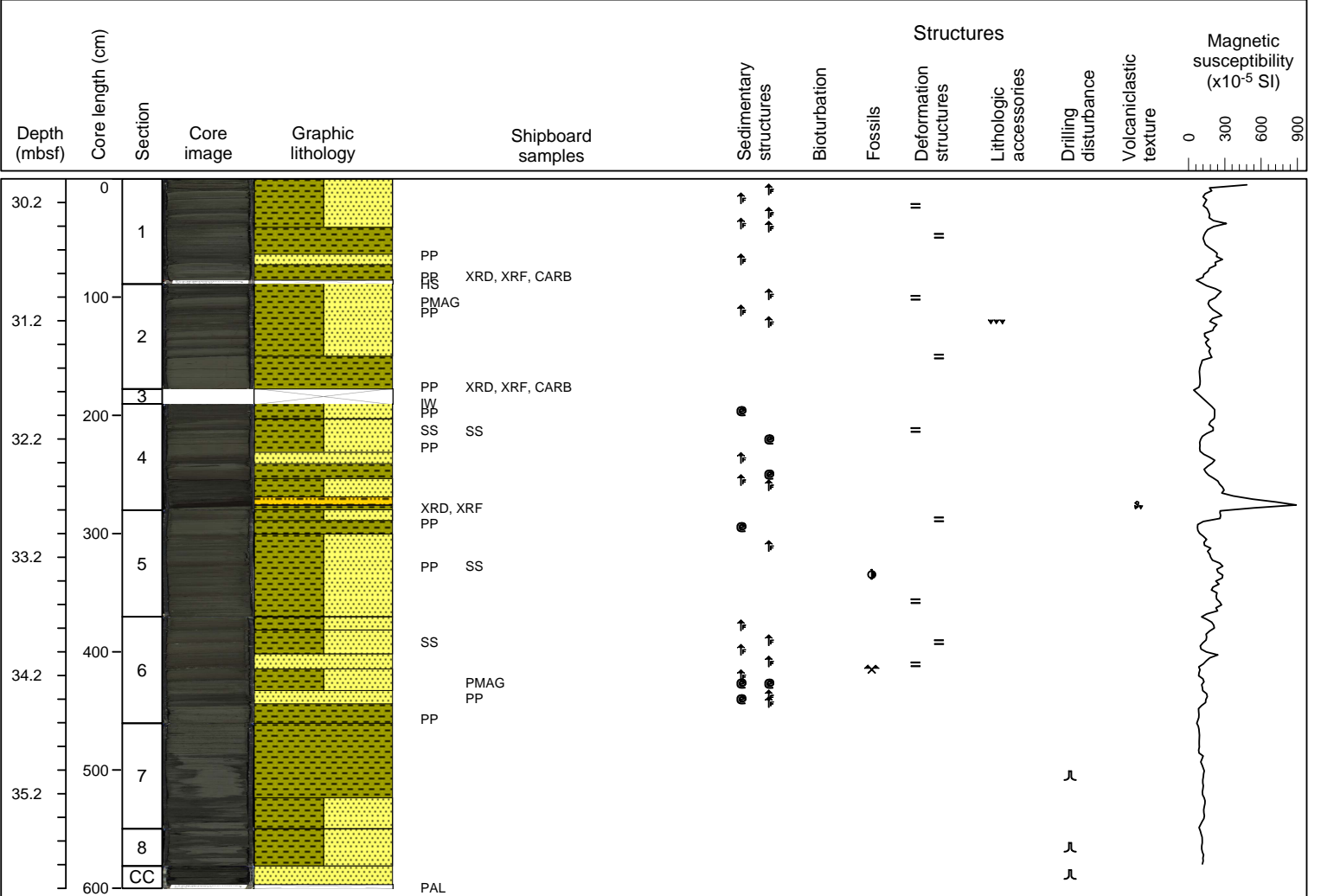
Hole C0024D Core 3H, interval 20.5-30 m (core depth below seafloor)

SILTY CLAY  
Silty clay alternating with very-thin to thin, graded sand to silt beds.



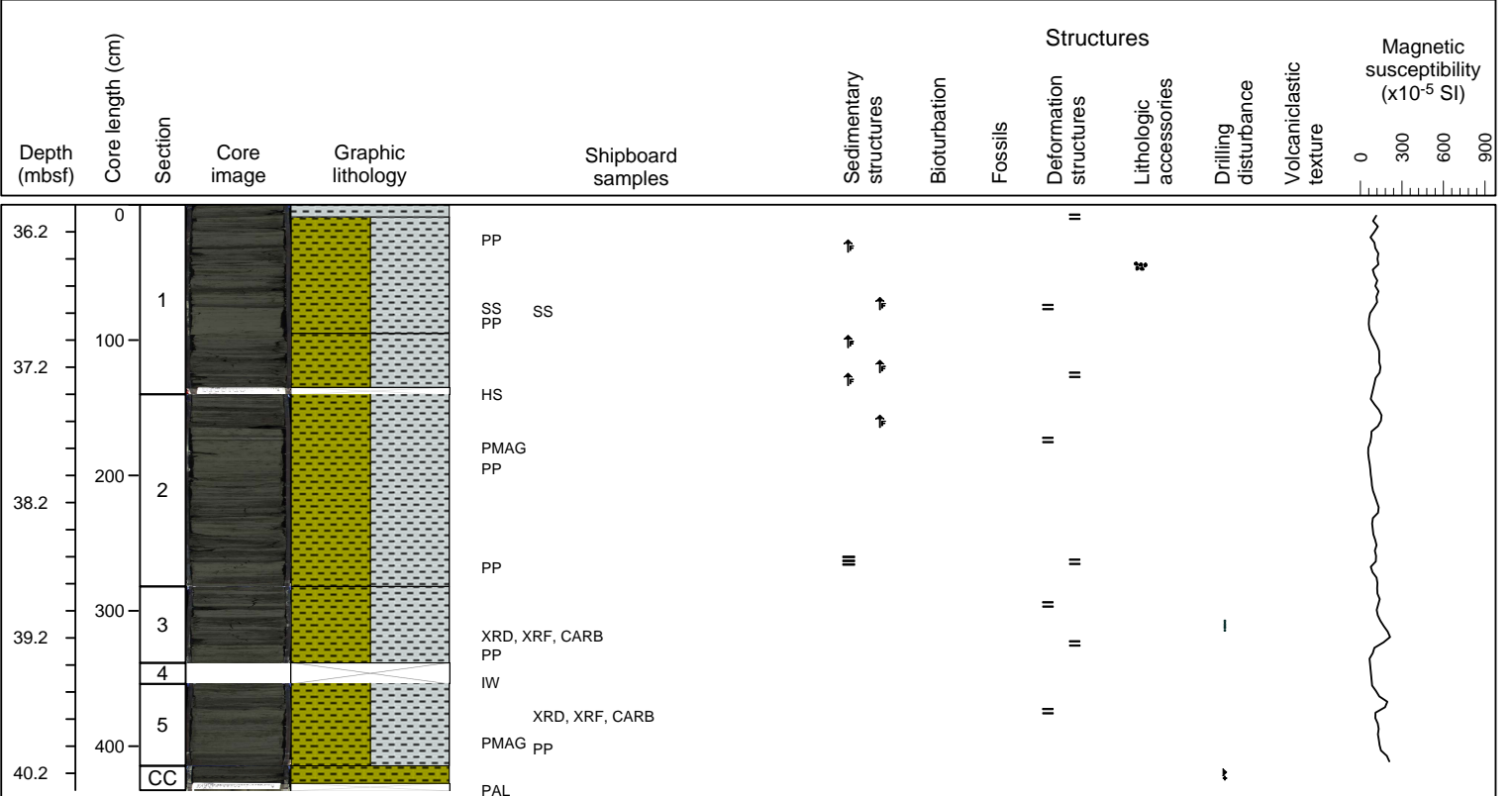
Hole C0024D Core 4H, interval 30-36 m (core depth below seafloor)

SILTY CLAY  
Silty clay alternating with very-thin to thin, graded sand to silt beds.



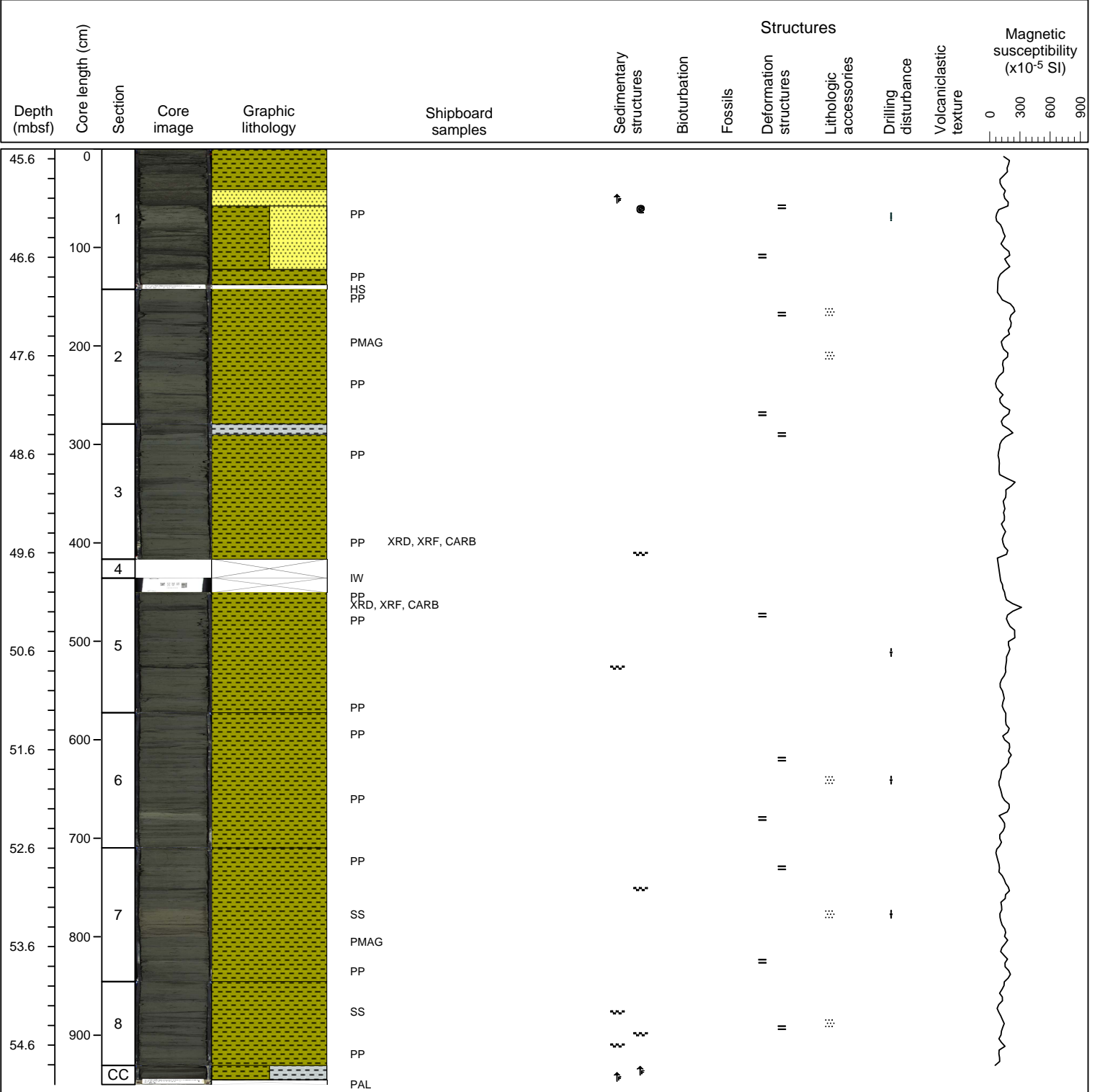
Hole C0024D Core 5T, interval 36-40.325 m (core depth below seafloor)

**SILTY CLAY**  
 Silty clay with intervals of very-thin graded silt beds showing some parallel laminations.



Hole C0024D Core 6X, interval 45.5-55 m (core depth below seafloor)

**SILTY CLAY**  
 Silty clay with interbeds of graded sand and silt. Slightly to moderately disturbed by drilling.

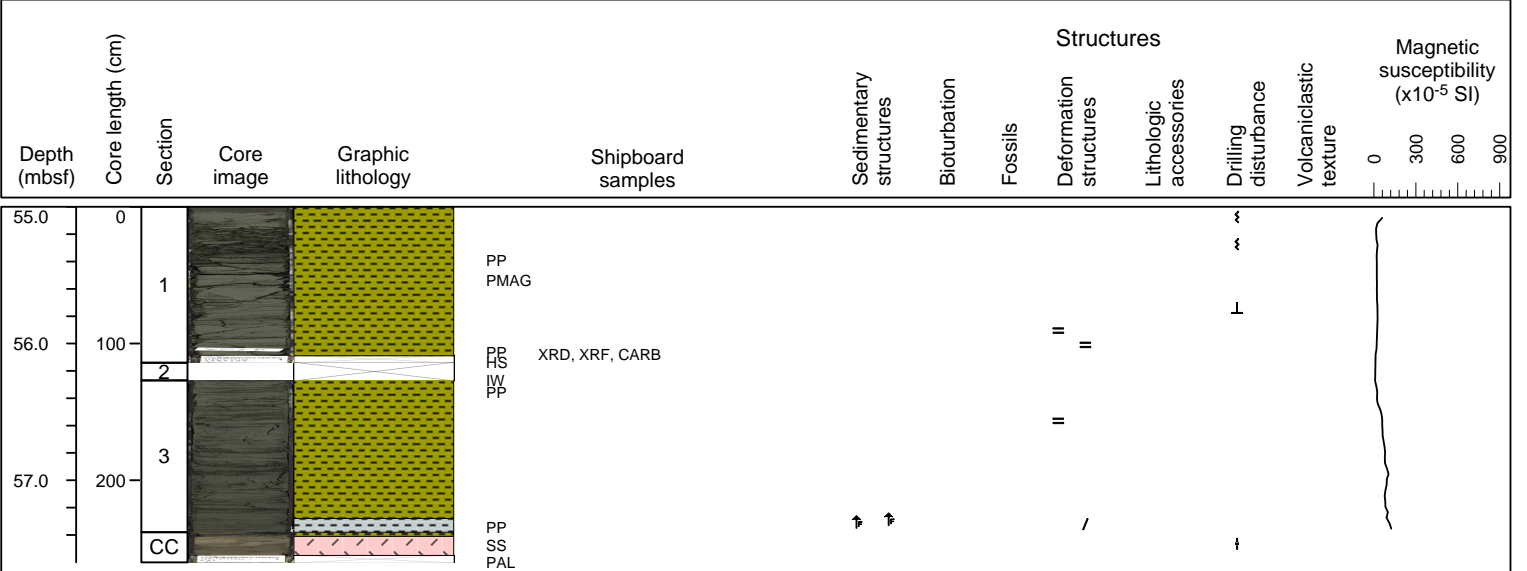




Hole C0024D Core 7T, interval 55-57.6 m (core depth below seafloor)

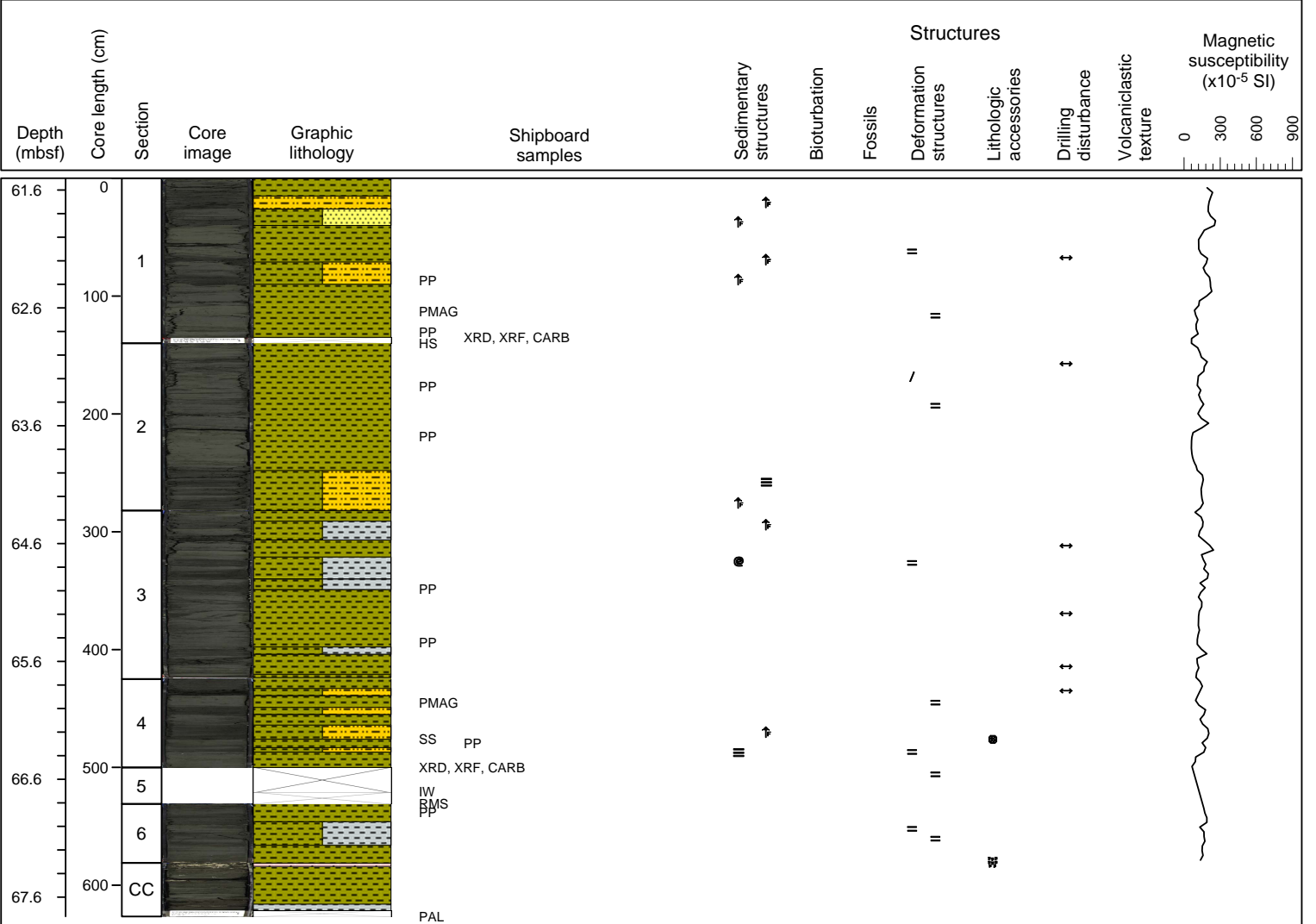
SILTY CLAY

Silty clay moderately to highly disturbed by drilling. Ash layer at the bottom. Diffuse top of ash layer (mixed with silty clay).



Hole C0024D Core 8X, interval 61.5-67.765 m (core depth below seafloor)

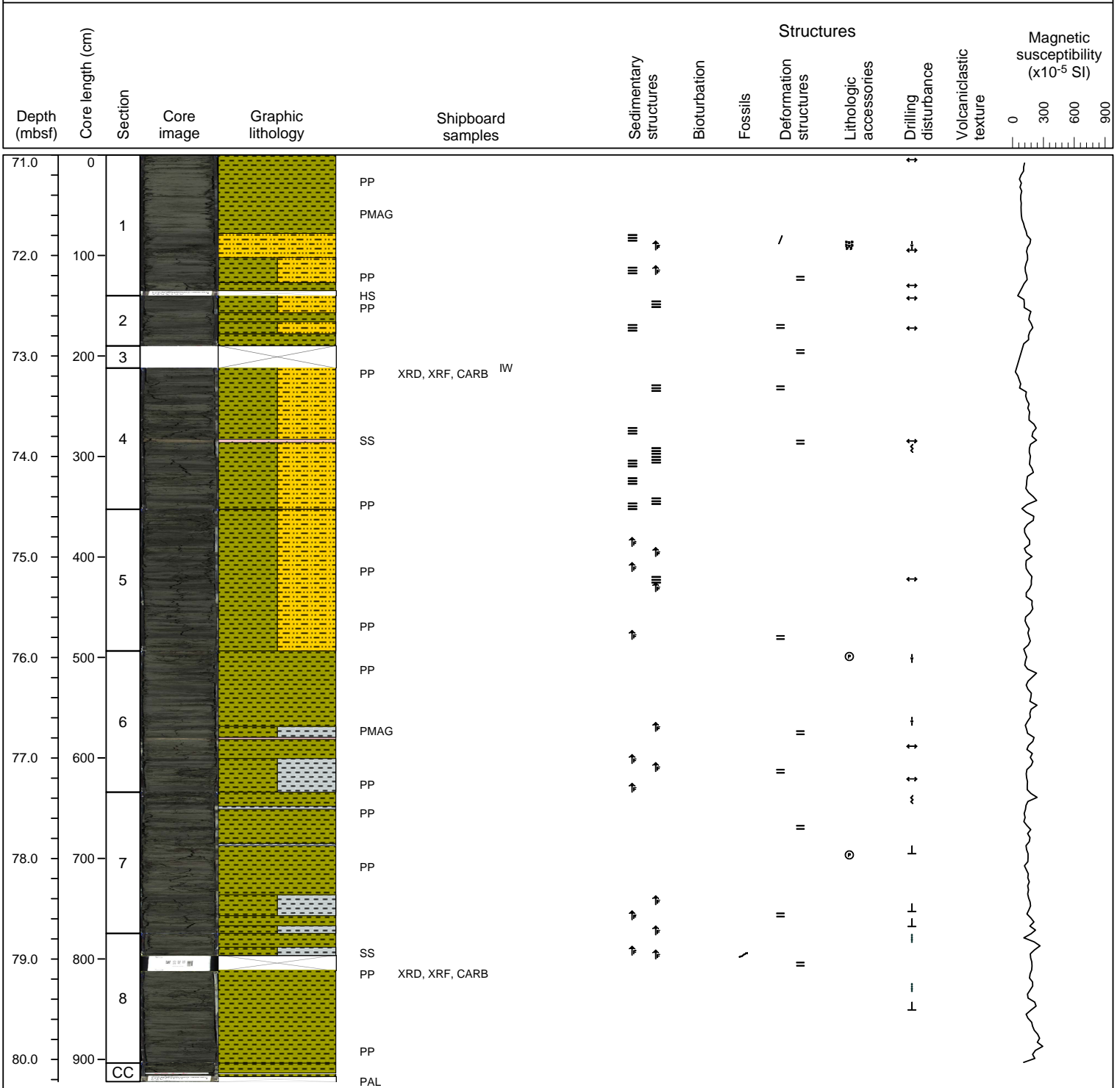
SILTY CLAY TO CLAYEY SILT  
 Silty clay to clayey silt with occasional interbeds of darker gray silt to silty sand.



Hole C0024D Core 9X, interval 71-80.22 m (core depth below seafloor)

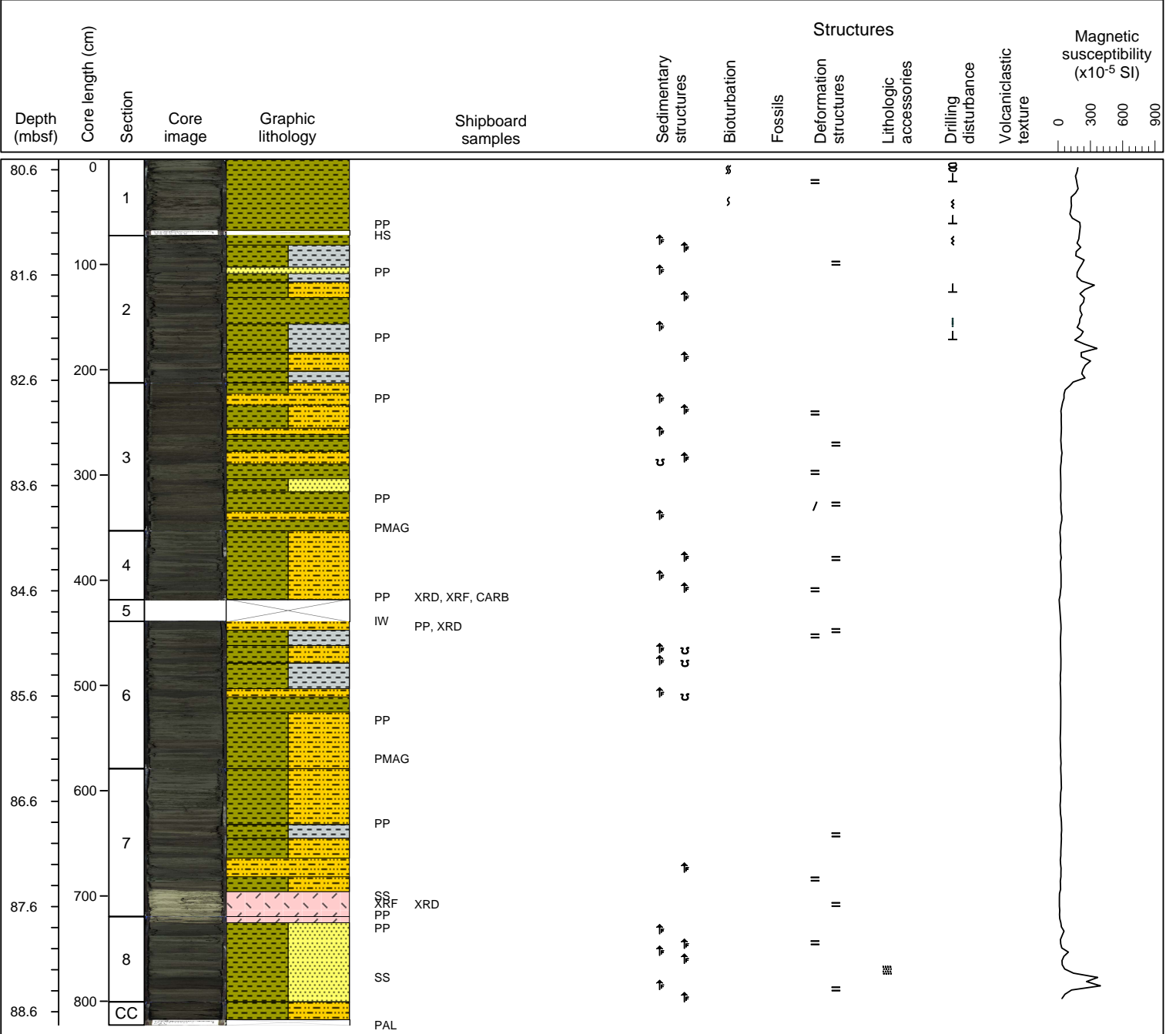
SILTY CLAY TO CLAYEY SILT

Greenish gray to dark gray silty clay to clayey silt, with occasional interbeds with silt or silty sand/sandy silt. Thin ash layers (pinkish gray and brown) are also observed.



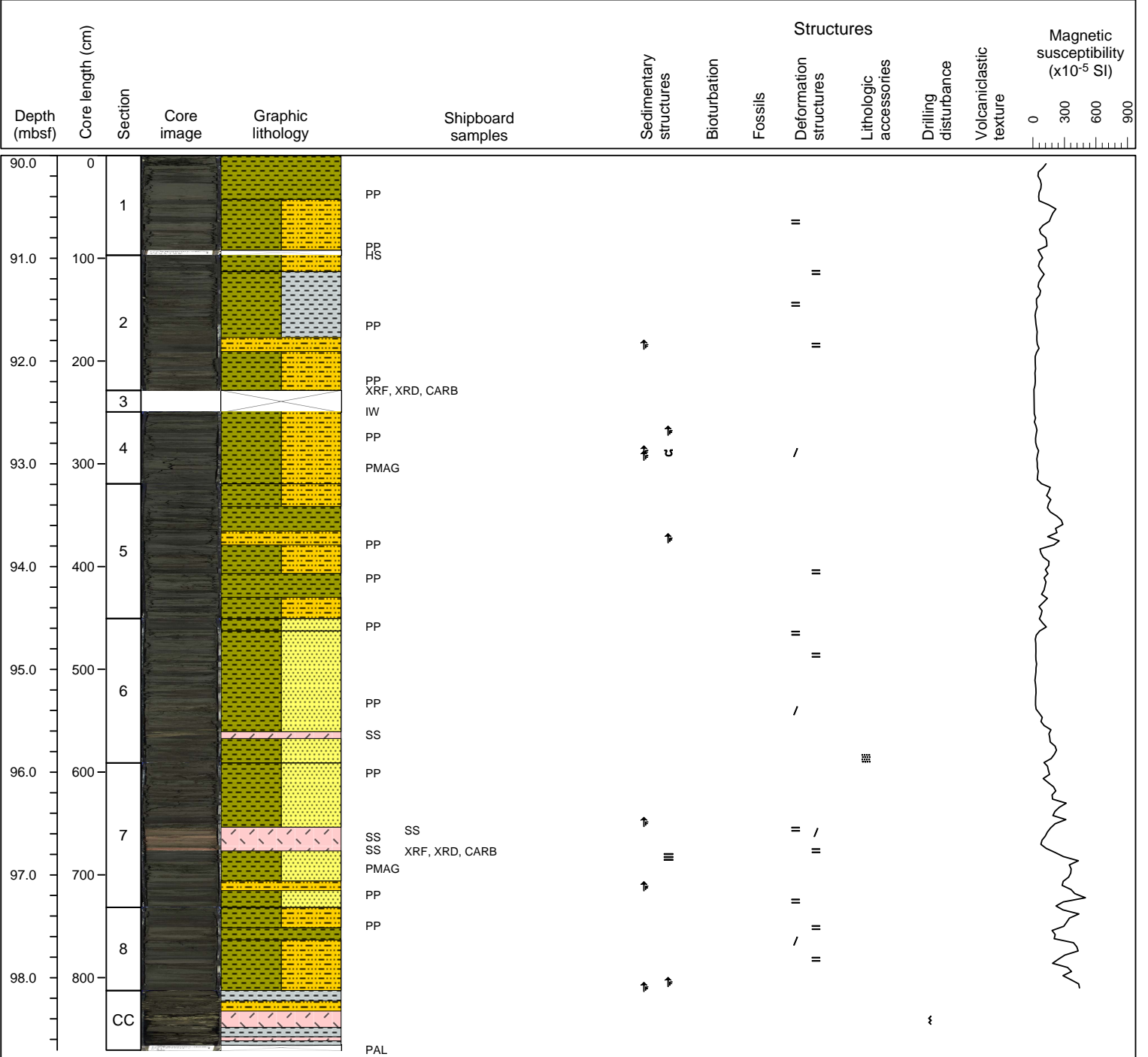
Hole C0024D Core 10X, interval 80.5-88.725 m (core depth below seafloor)

**SILTY CLAY TO CLAYEY SILT**  
 Dark gray to dark olive gray silty clay to clayey silt interbedded with silt and silty fine sand.  
 Light gray ash layer is observed.



Hole C0024D Core 11X, interval 90-98.705 m (core depth below seafloor)

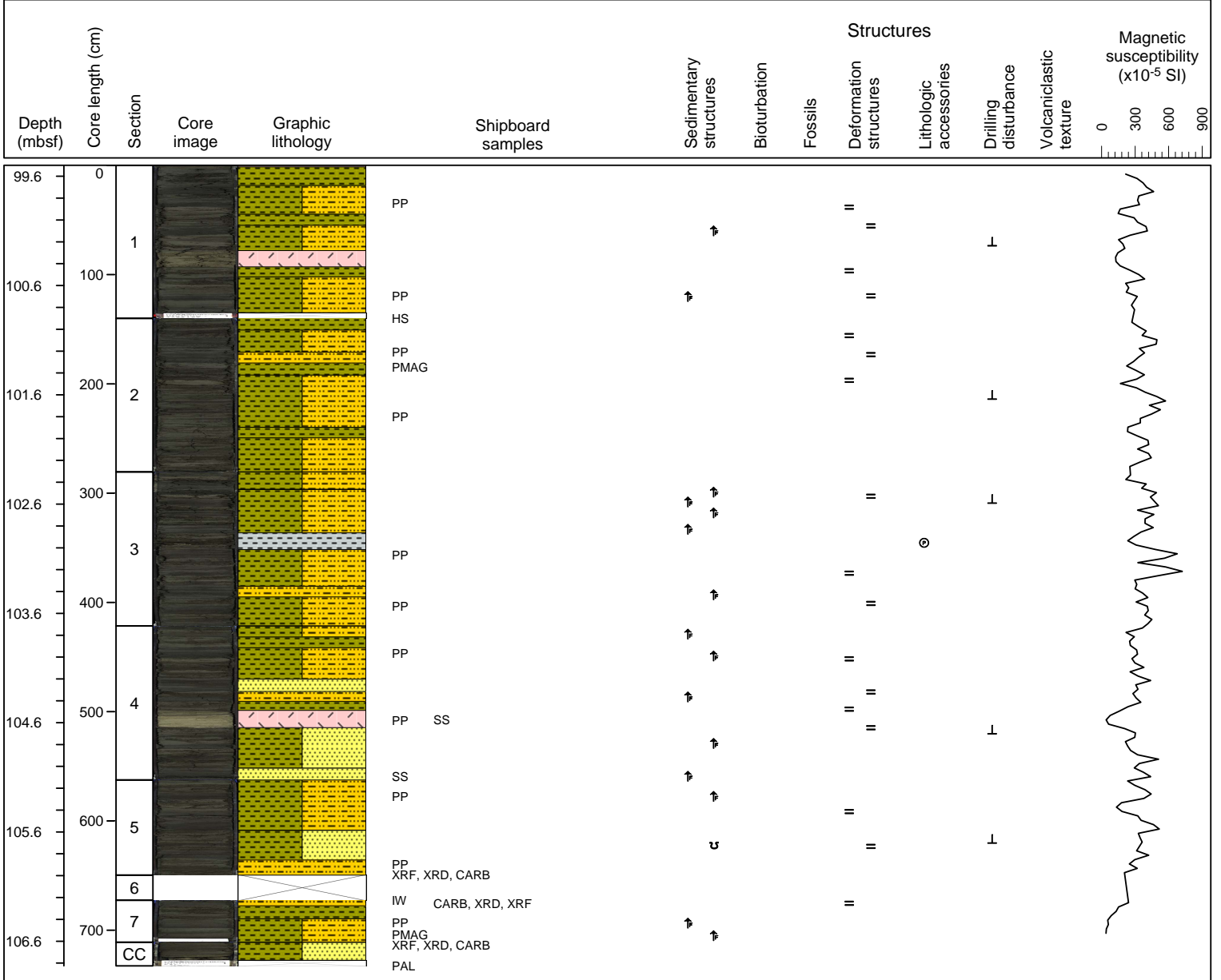
**SILTY CLAY TO CLAYEY SILT**  
 Dark gray to dark olive gray silty clay to clayey silt interbedded with silt and silty sand/sandy silt. Several ash layers are observed (beige, light gray, brown in color).



Hole C0024D Core 12X, interval 99.5-106.825 m (core depth below seafloor)

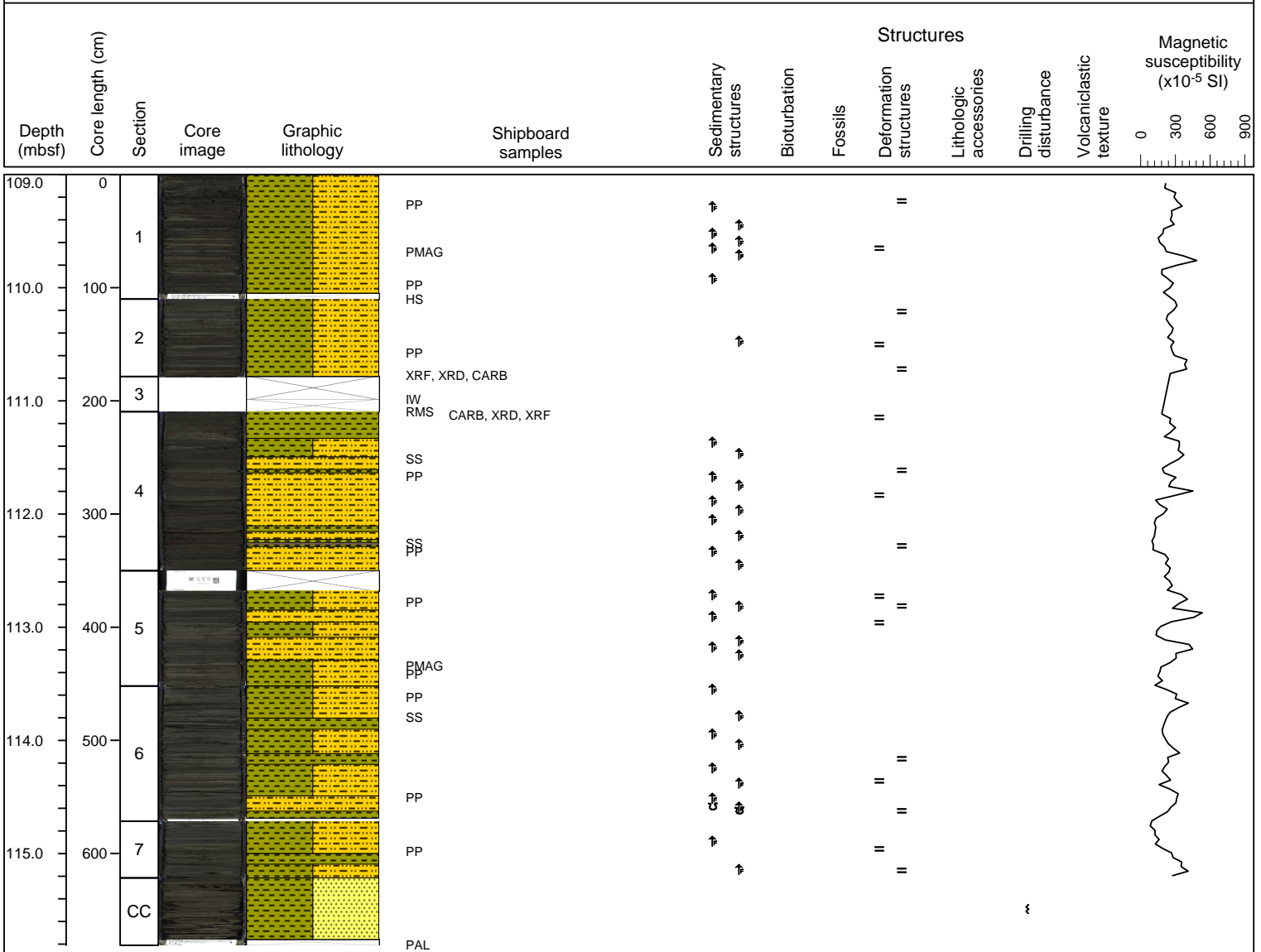
SILTY CLAY TO CLAYEY SILT

Dark olive gray silty clay to clayey silt interbedded with sandy silt to silty sand and fine to very fine sand. Several ash layers (light gray) are observed.



Hole C0024D Core 13X, interval 109-115.81 m (core depth below seafloor)

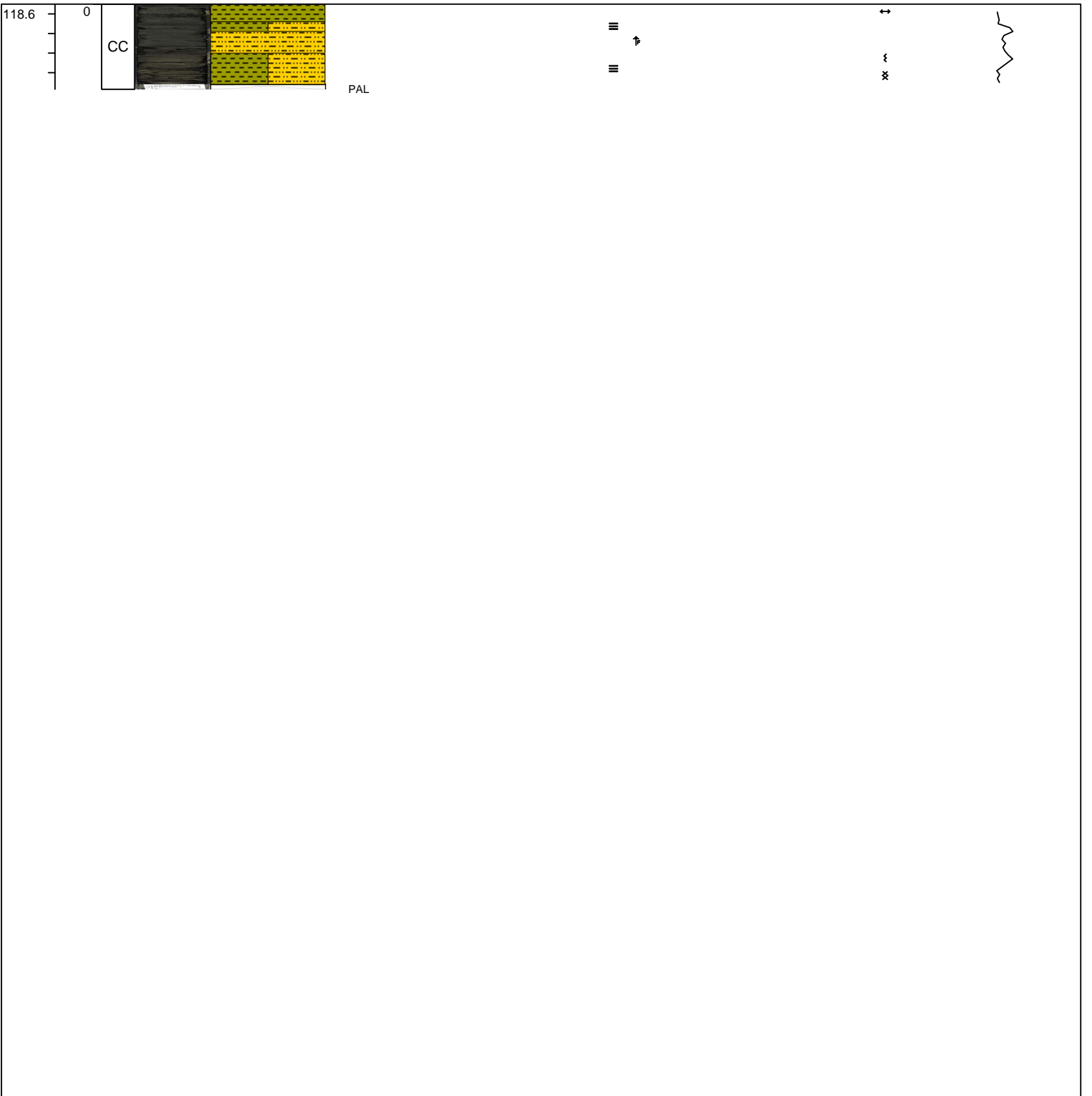
SANDY SILT TO SILTY SAND  
 Dark gray sandy silt to silty sand and very fine sand, occasionally interbedded with silty clay.



Hole C0024D Core 14X, interval 118.5-119.37 m (core depth below seafloor)

**SILTY SAND**  
 Dark gray silty fine sand and dark greenish gray silty clay, more sandy towards bottom.

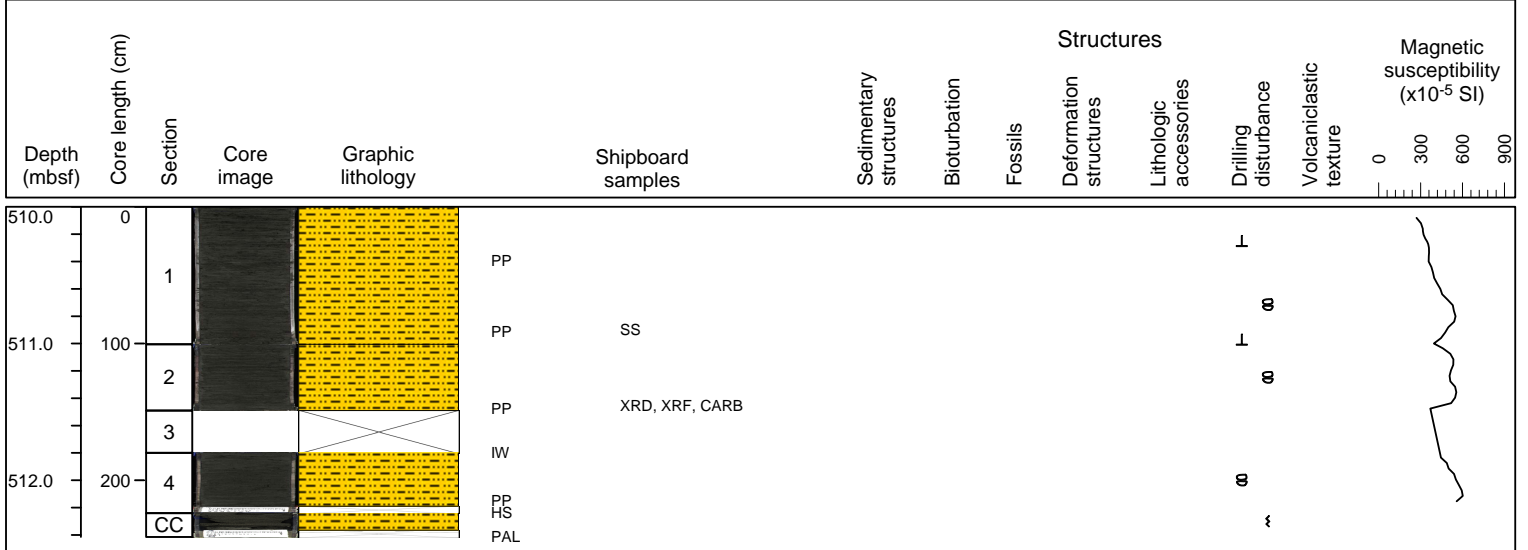
| Depth (mbsf) | Core length (cm) | Section | Core image | Graphic lithology | Shipboard samples | Structures             |              |         |                        |                        |                      | Magnetic susceptibility ( $\times 10^{-5}$ SI) |
|--------------|------------------|---------|------------|-------------------|-------------------|------------------------|--------------|---------|------------------------|------------------------|----------------------|--|
|              |                  |         |            |                   |                   | Sedimentary structures | Bioturbation | Fossils | Deformation structures | Lithologic accessories | Drilling disturbance |  |





Hole C0024E Core 1R, interval 510-512.415 m (core depth below seafloor)

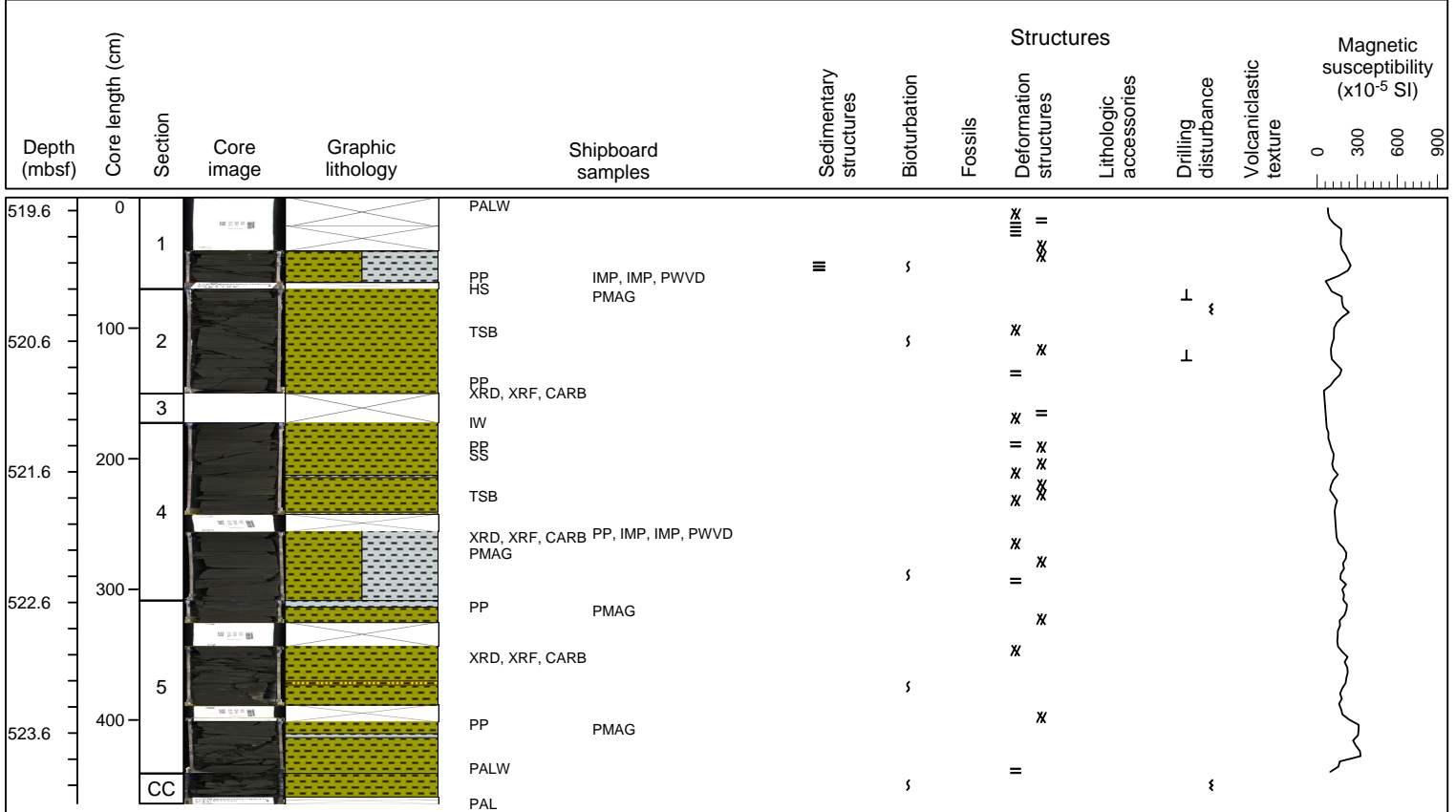
SILTY SANDSTONE  
Dark gray, structureless silty sand.



Hole C0024E Core 2R, interval 519.5-524.14 m (core depth below seafloor)

SILTY CLAYSTONE

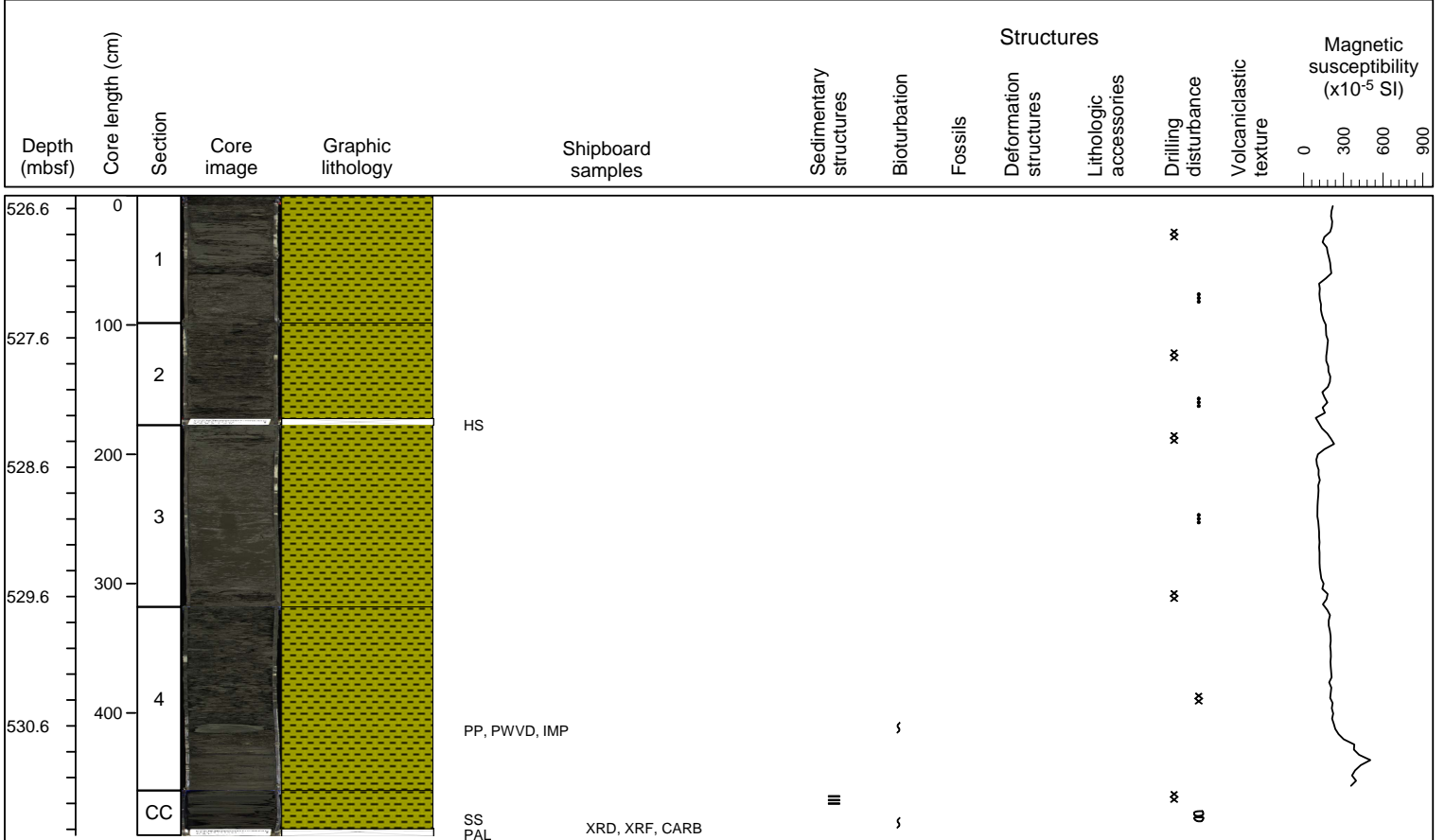
Dark gray to dark olive gray silty claystone and occasional thin siltstone layers, with slight bioturbation.



Hole C0024E Core 3R, interval 526.5-531.445 m (core depth below seafloor)

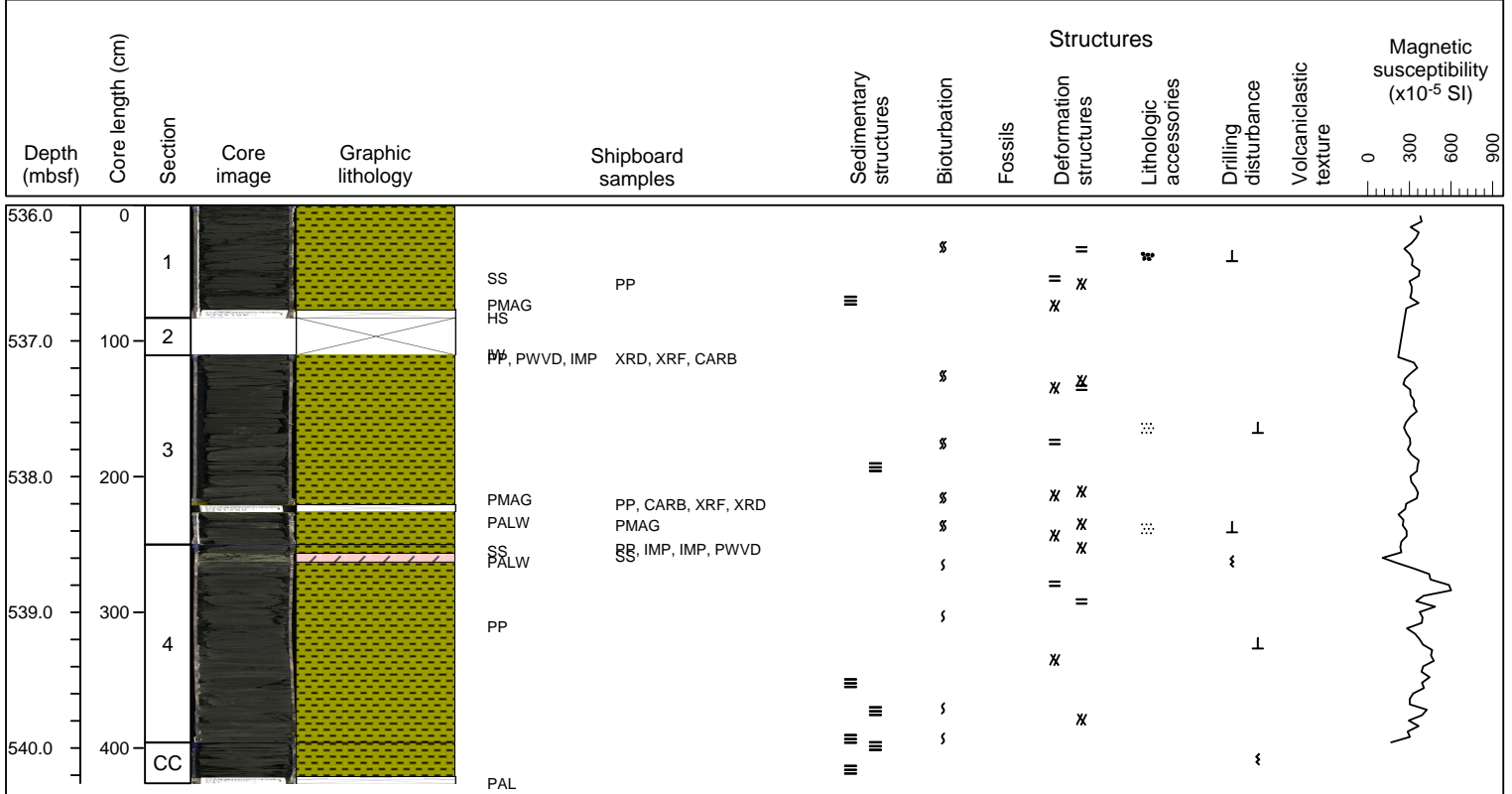
SILTY CLAYSTONE TO CLAYEY SILTSTONE

Dark olive gray silty claystone to clayey siltstone, extreme drilling disturbance, mostly cuttings in soupy matrix (of same composition).



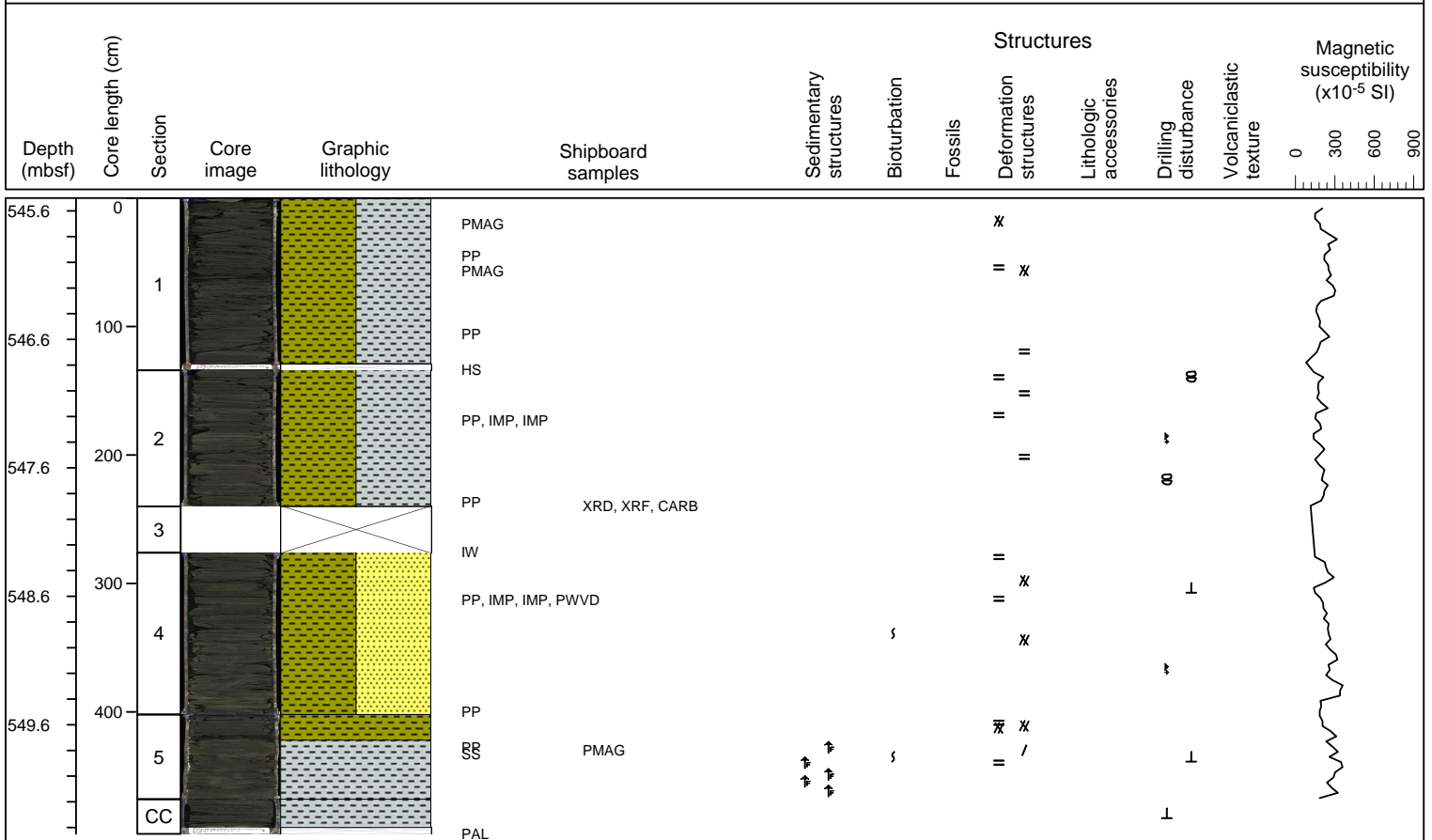
Hole C0024E Core 4R, interval 536-540.26 m (core depth below seafloor)

SILTY CLAYSTONE TO CLAYEY SILTSTONE  
 Dark gray silty claystone to clayey siltstone, with slight bioturbation and some mottled laminae.



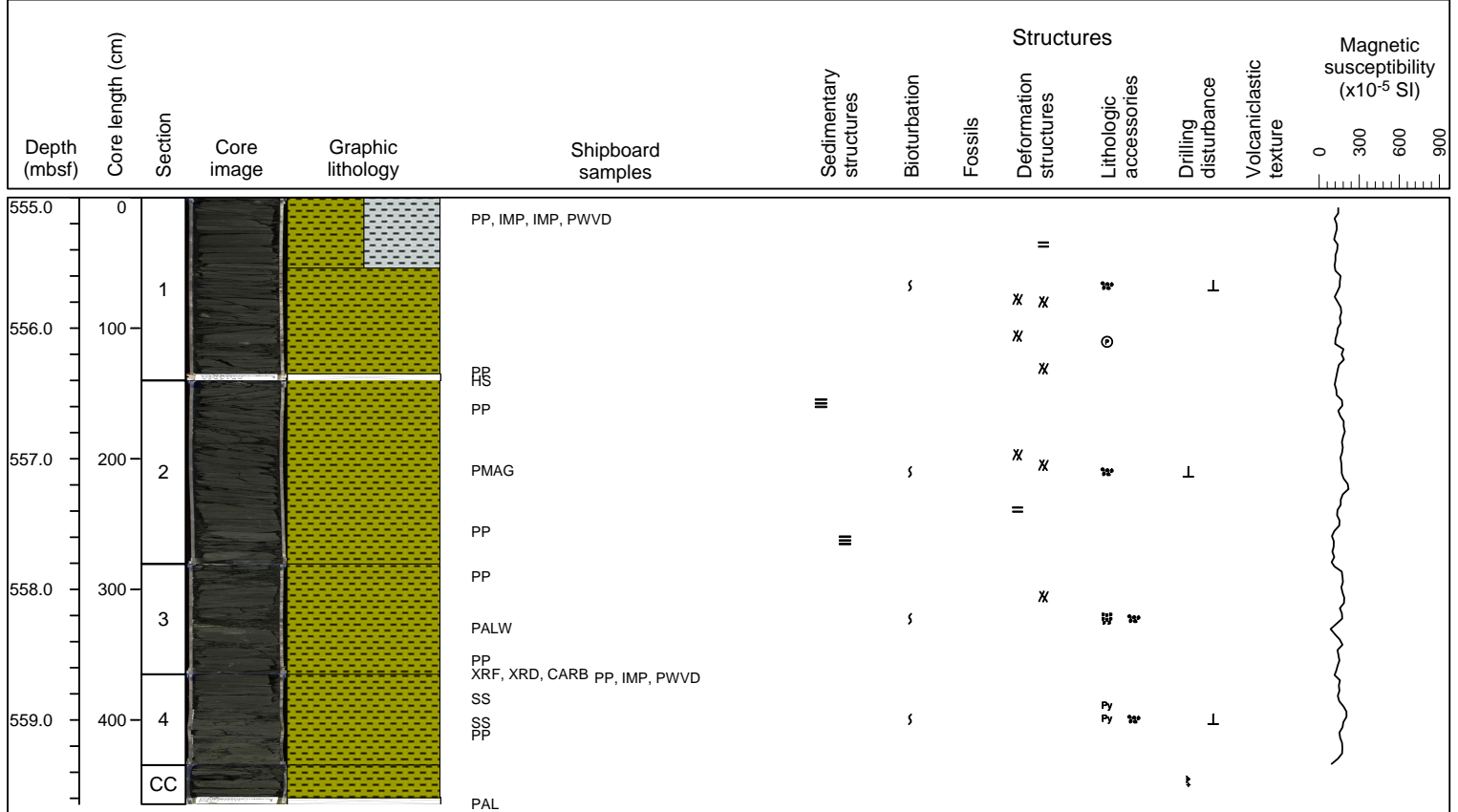
Hole C0024E Core 5R, interval 545.5-550.45 m (core depth below seafloor)

SILTY CLAYSTONE  
 Silty claystone with interbeds of very-thin to thin-bedded sandstone and siltstone



Hole C0024E Core 6R, interval 555-559.645 m (core depth below seafloor)

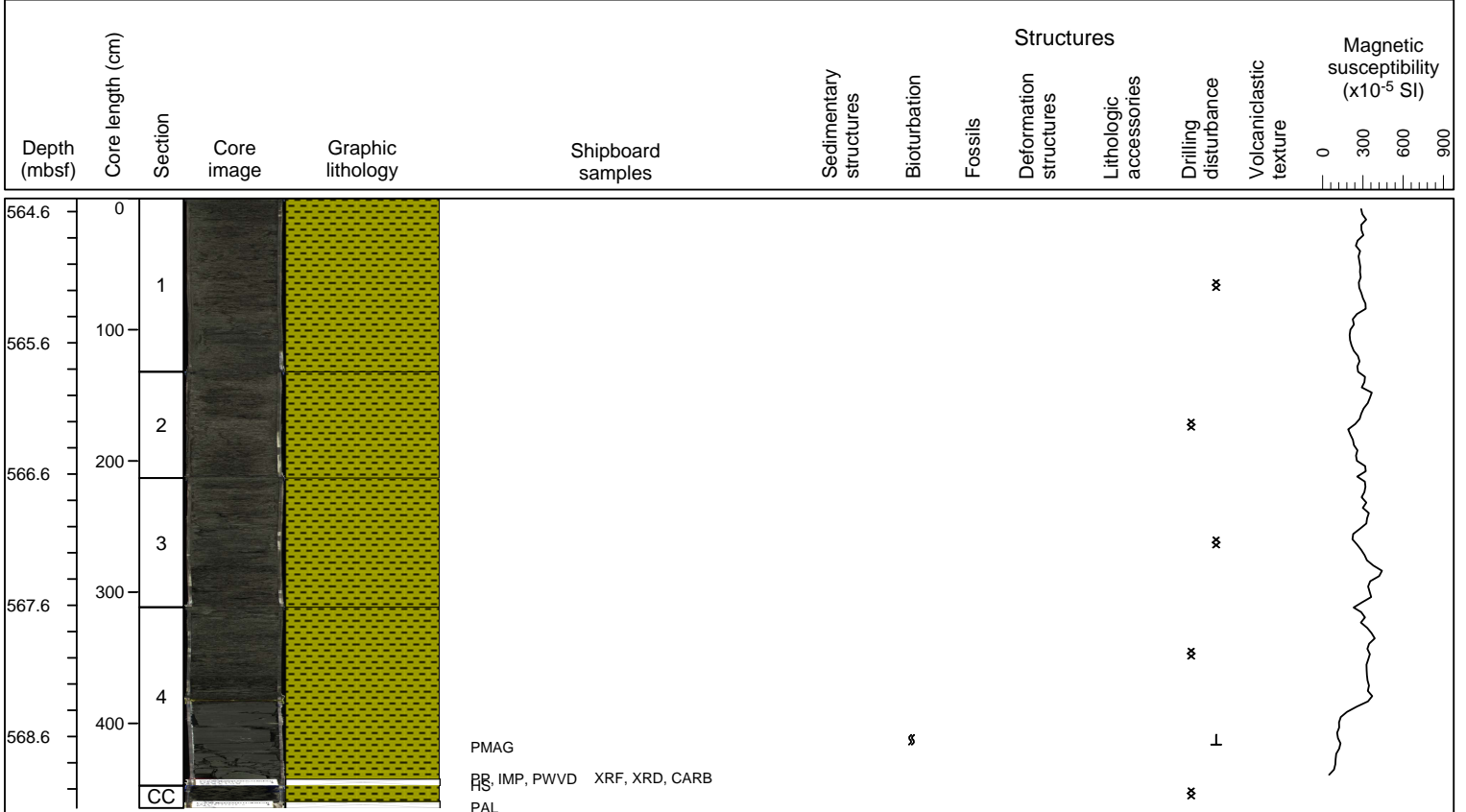
SILTY CLAYSTONE  
 Silty claystone, mostly heavily to moderately disturbed by drilling.  
 Mottled due to intense bioturbation.



Hole C0024E Core 7R, interval 564.5-569.145 m (core depth below seafloor)

SILTY CLAYSTONE TO CLAYEY SILTSTONE

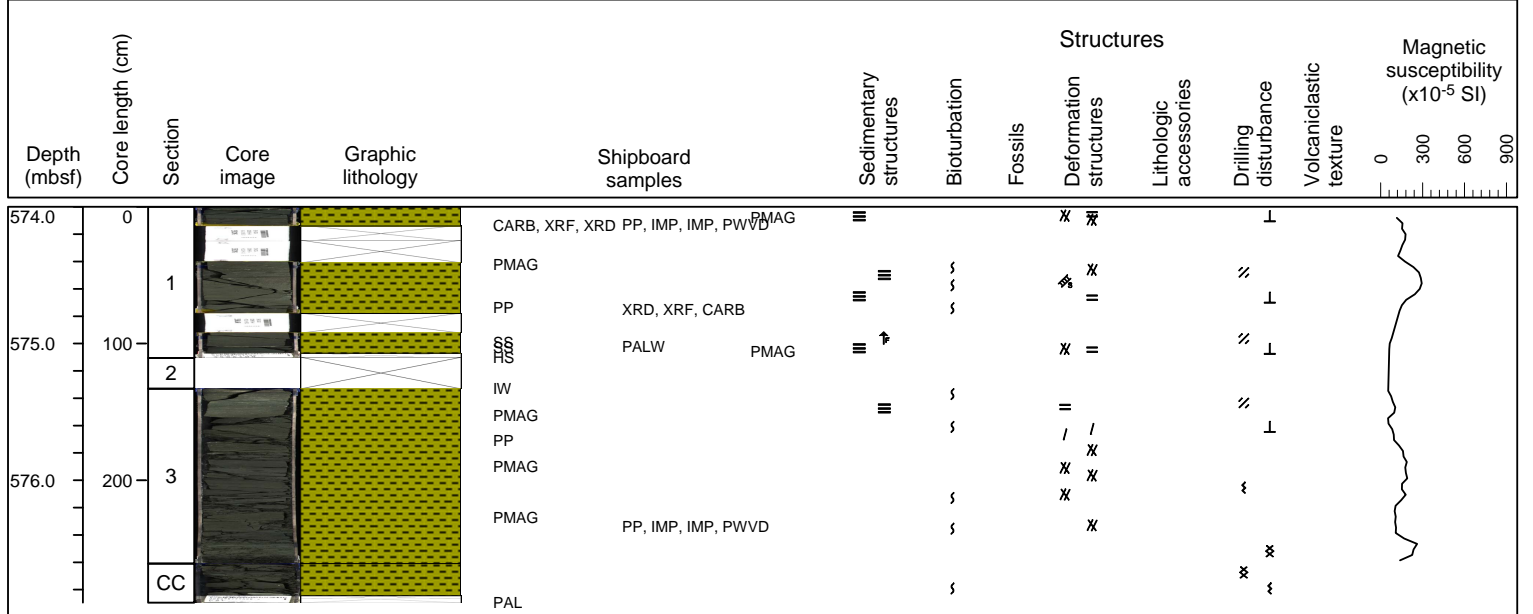
Gray silty claystone to clayey siltstone. Largely drilling slurry/breccia. Few remaining intact pieces mottled by bioturbation. Some scattered laminae.



Hole C0024E Core 8R, interval 574-576.895 m (core depth below seafloor)

SILTY CLAYSTONE TO CLAYEY SILTSTONE

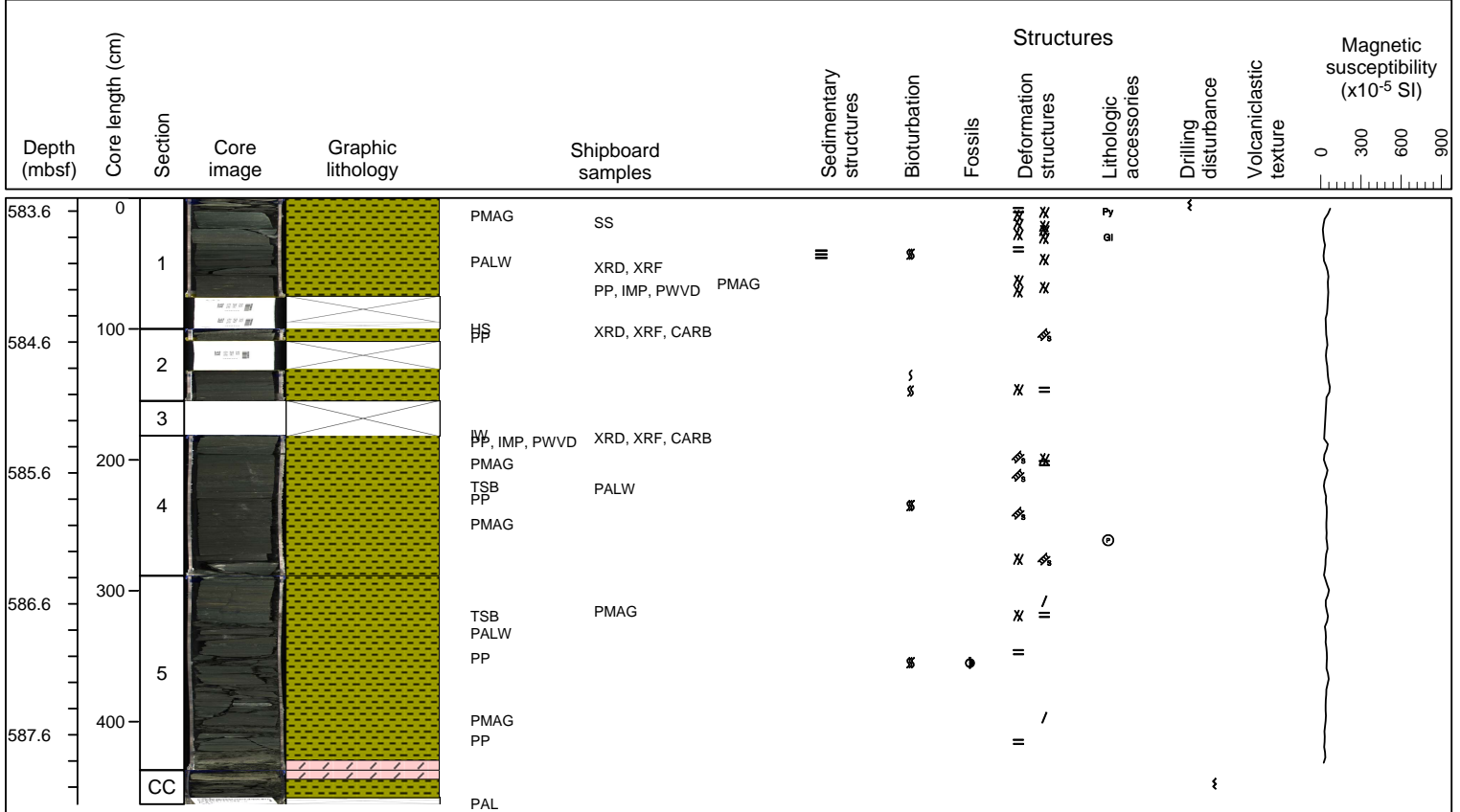
Gray to greenish gray silty claystone to clayey siltstone. Mottled by bioturbation. Scattered dark green laminae and foraminifera.





Hole C0024E Core 9R, interval 583.5-588.13 m (core depth below seafloor)

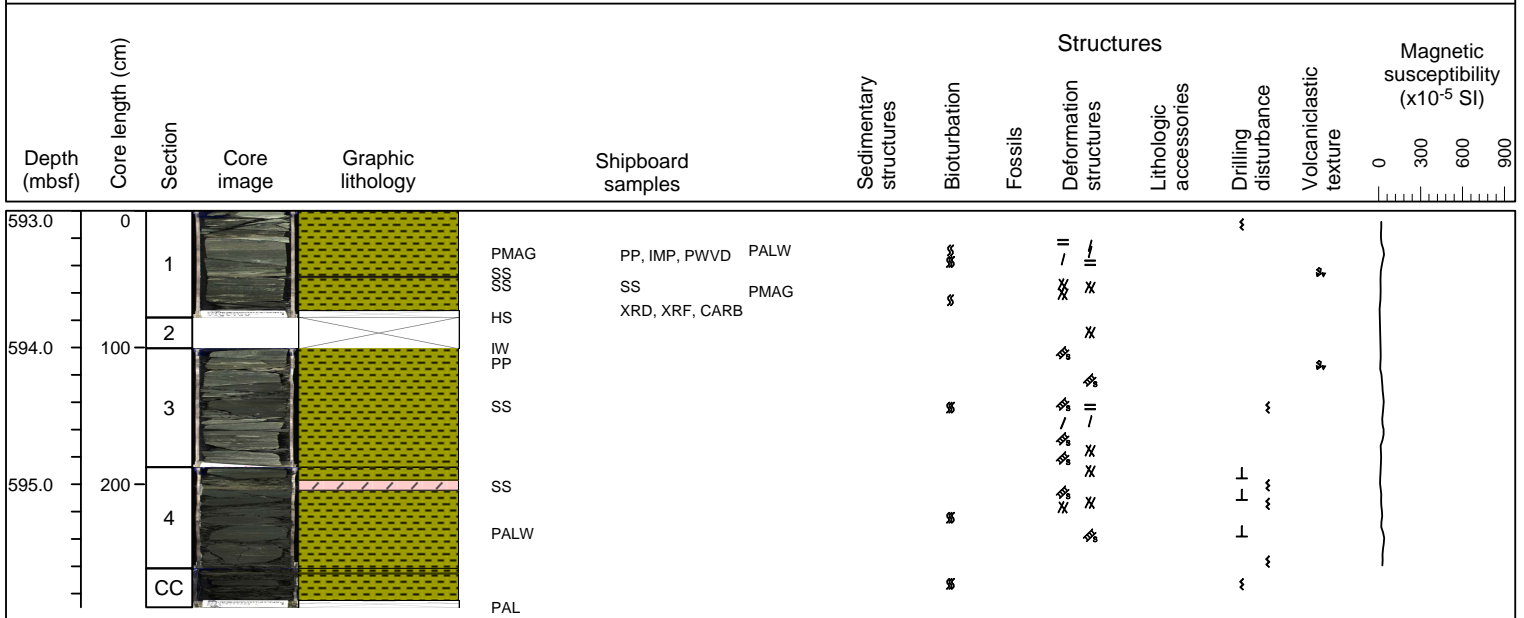
SILTY CLAYSTONE  
 Gray to greenish gray silty claystone. Bioturbated, locally laminated.  
 Light gray tuff. Partially mixed with silty claystone.



Hole C0024E Core 10R, interval 593-595.9 m (core depth below seafloor)

SILTY CLAYSTONE

Dark gray to dark green silty claystone, highly bioturbated with abundant burrows and trace fossils (e.g. zoophycos, chondrites).  
 Dark green bands, several ash layers (olive gray), and disseminated burrows filled with ash.  
 Occasional intervals of light gray silty claystone are rich in vitrics and nannofossils.



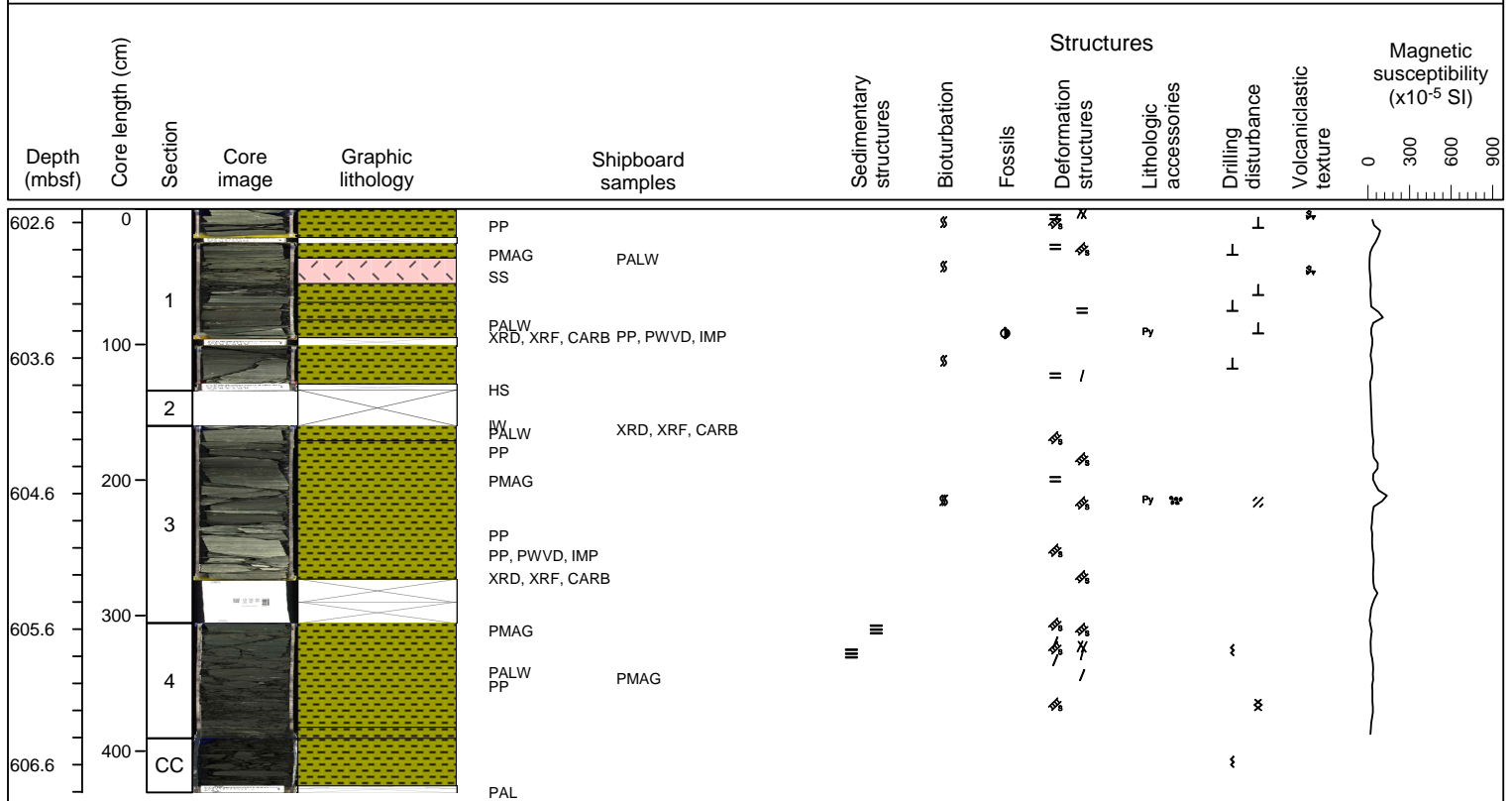
Hole C0024E Core 11R, interval 602.5-606.805 m (core depth below seafloor)

SILTY CLAYSTONE TO CLAYEY SILTSTONE

Gray to olive gray silty claystone to clayey siltstone with scattered dark green color bands, pyrites, and abundant trace fossils (e.g. zoophycos).

Medium to light gray ash layer with intense bioturbation.

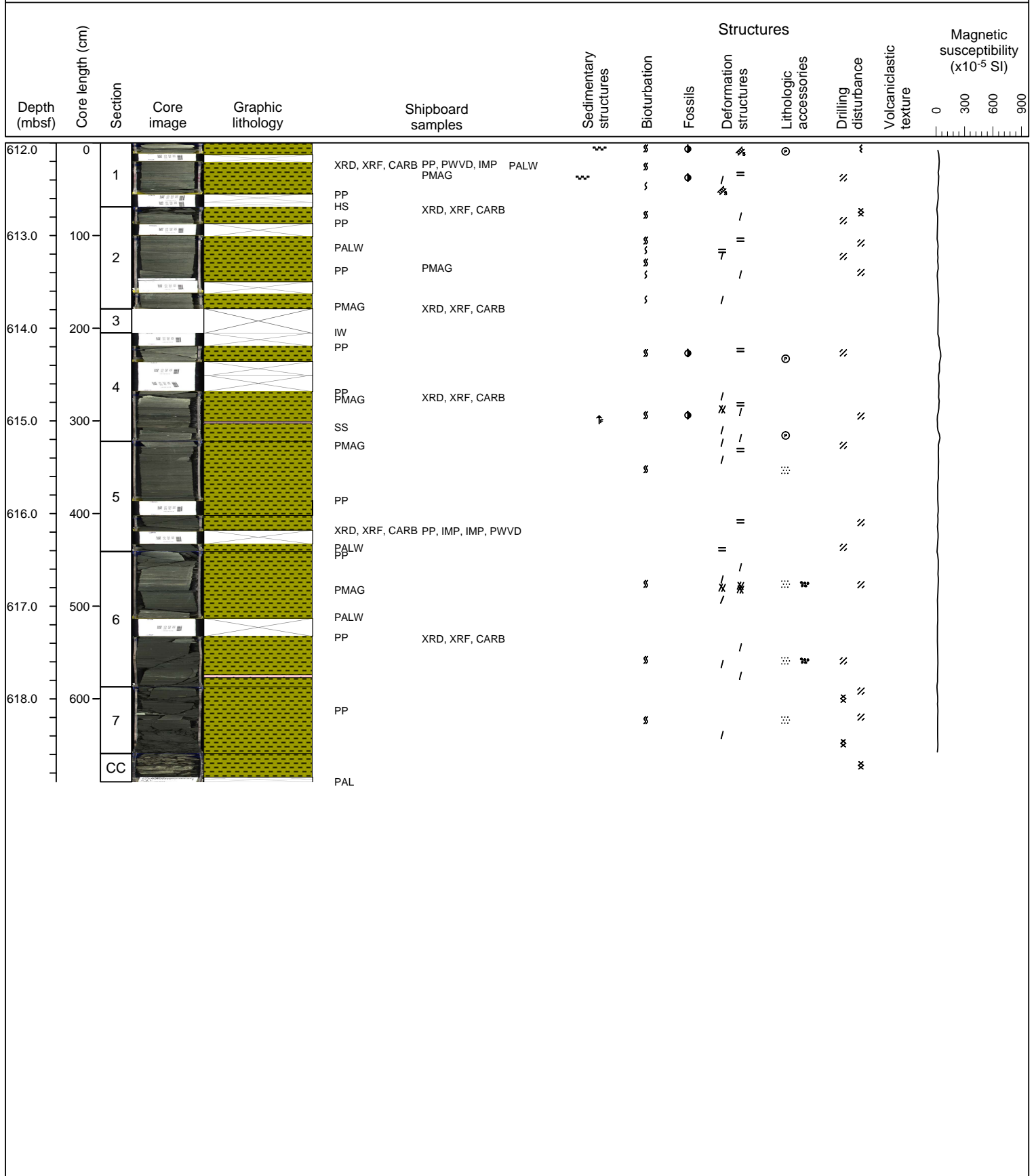
Interval of light gray mudstone contains abundant vitrics and nannofossils.



Hole C0024E Core 12R, interval 612-618.895 m (core depth below seafloor)

SILTY CLAYSTONE

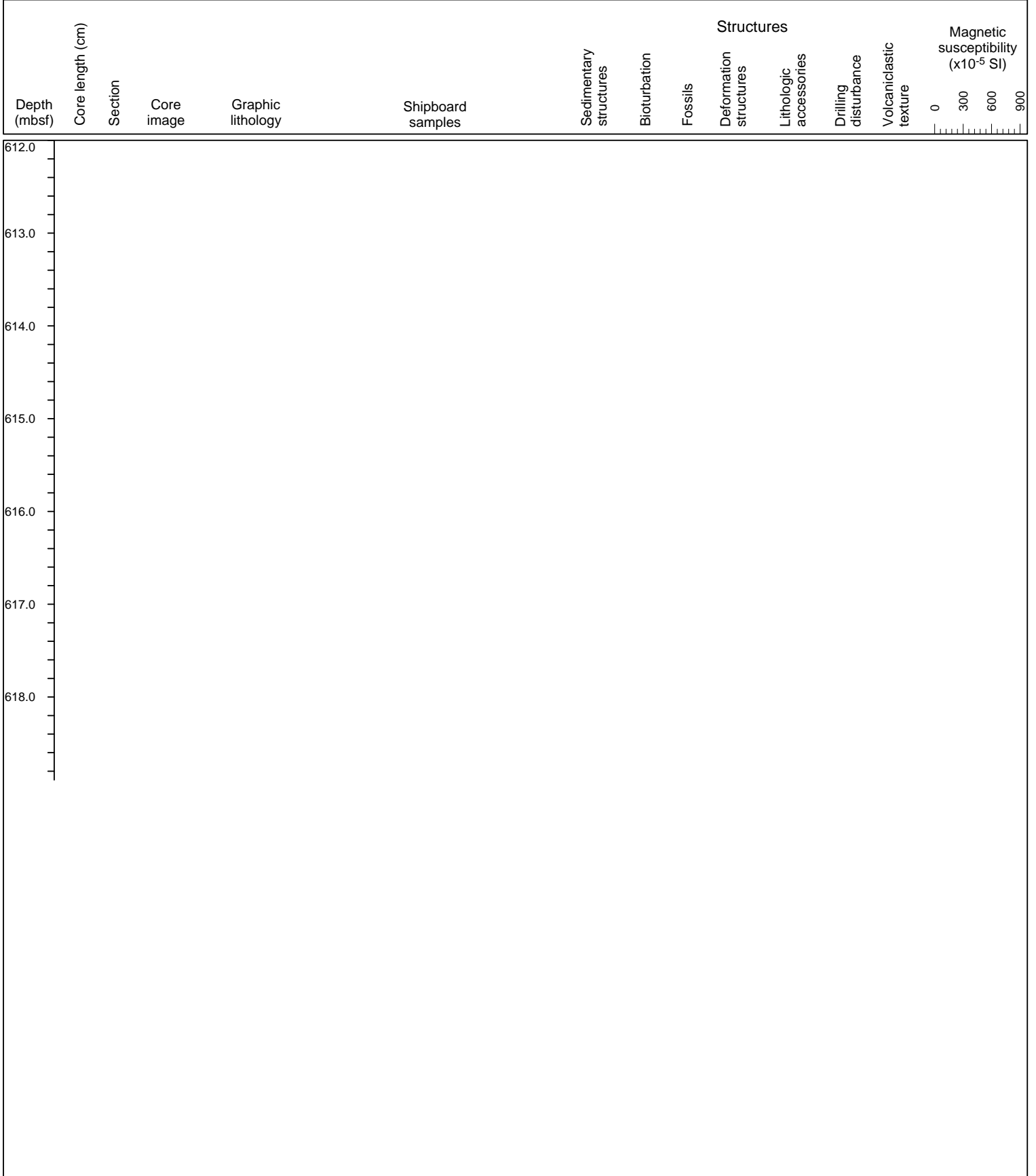
Greenish gray silty claystone with dark green diffuse laminae/thin beds, with intense bioturbation throughout (burrows). Thin ash layer and ash-rich silty claystone are distributed. Pyrite concretions and pumice clasts. White microfossils (forams?) visible.



Hole C0024E Core 13G, interval 621.5-621.5 m (core depth below seafloor)

SILTY CLAYSTONE

Highly disturbed by drilling. Dark gray silty claystone and dark gray fine to medium sand (graded during the drilling/recovery process in the hole?). Several intact pieces of silty claystone. Ghost core.



Hole C0024F Core 1G, interval 652-652.12 m (core depth below seafloor)

**SILTY CLAYSTONE**  
 Greenish gray silty claystone, with some diffuse dark green lamina/thin beds, mottled. Ghost core.

| Depth (mbsf) | Core length (cm) | Section | Core image | Graphic lithology | Shipboard samples | Structures             |              |         |                        |                        | Magnetic susceptibility (x10 <sup>-5</sup> SI) |
|--------------|------------------|---------|------------|-------------------|-------------------|------------------------|--------------|---------|------------------------|------------------------|--|
|              |                  |         |            |                   |                   | Sedimentary structures | Bioturbation | Fossils | Deformation structures | Lithologic accessories |  |

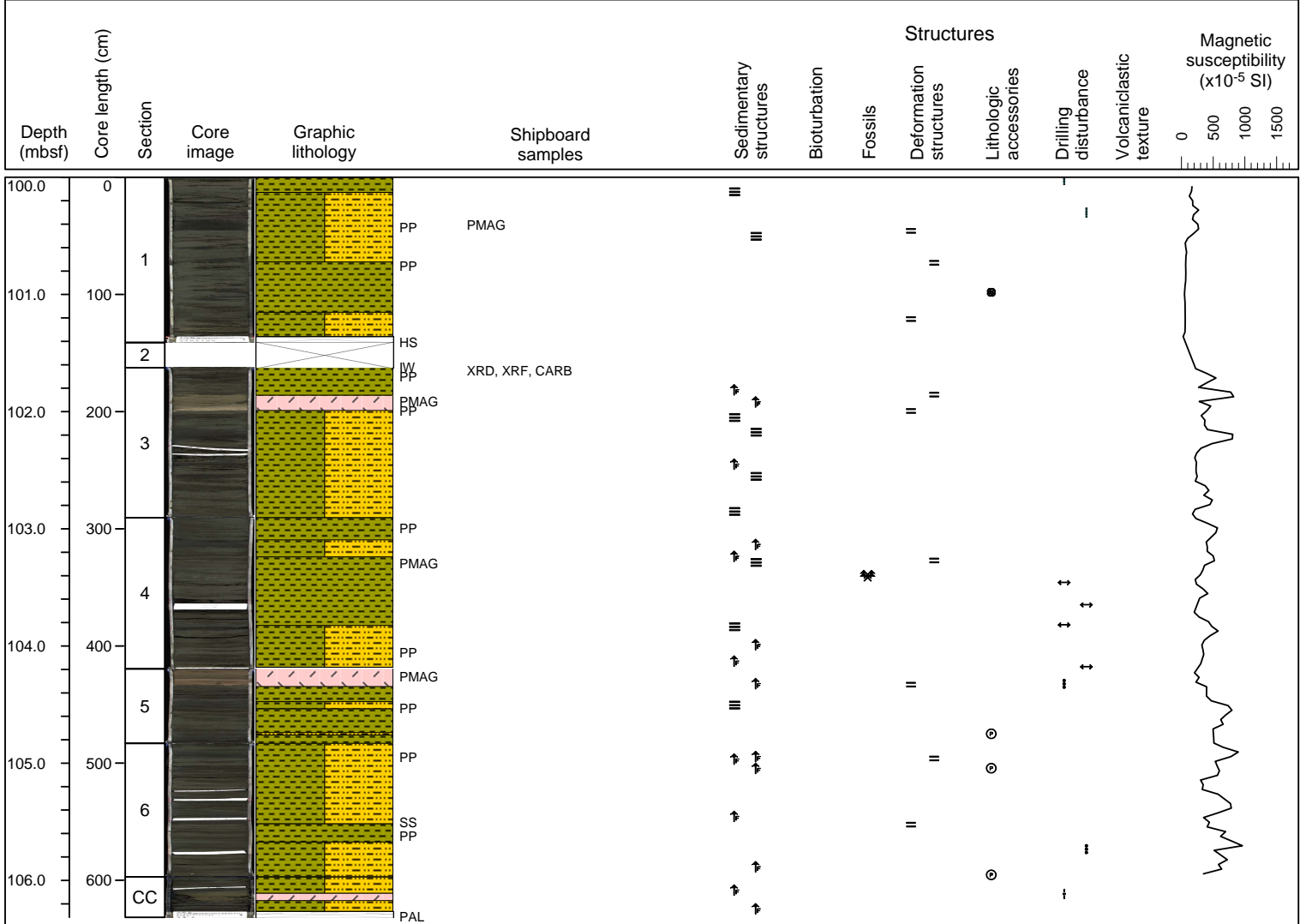
|       |   |   |  |  |   |    |    |   |   |  |
|-------|---|---|--|--|---|----|----|---|---|--|
| 652.0 | 0 | 1 |  |  | PALW CARB, IMP, IMP, PP, PWVD, XRD, XRF | •• | •• | # | ) |  |
|-------|---|---|--|--|---|----|----|---|---|--|

Hole C0024G Core 1X, interval 100-106.315 m (core depth below seafloor)

SILTY CLAY AND SILTY SAND

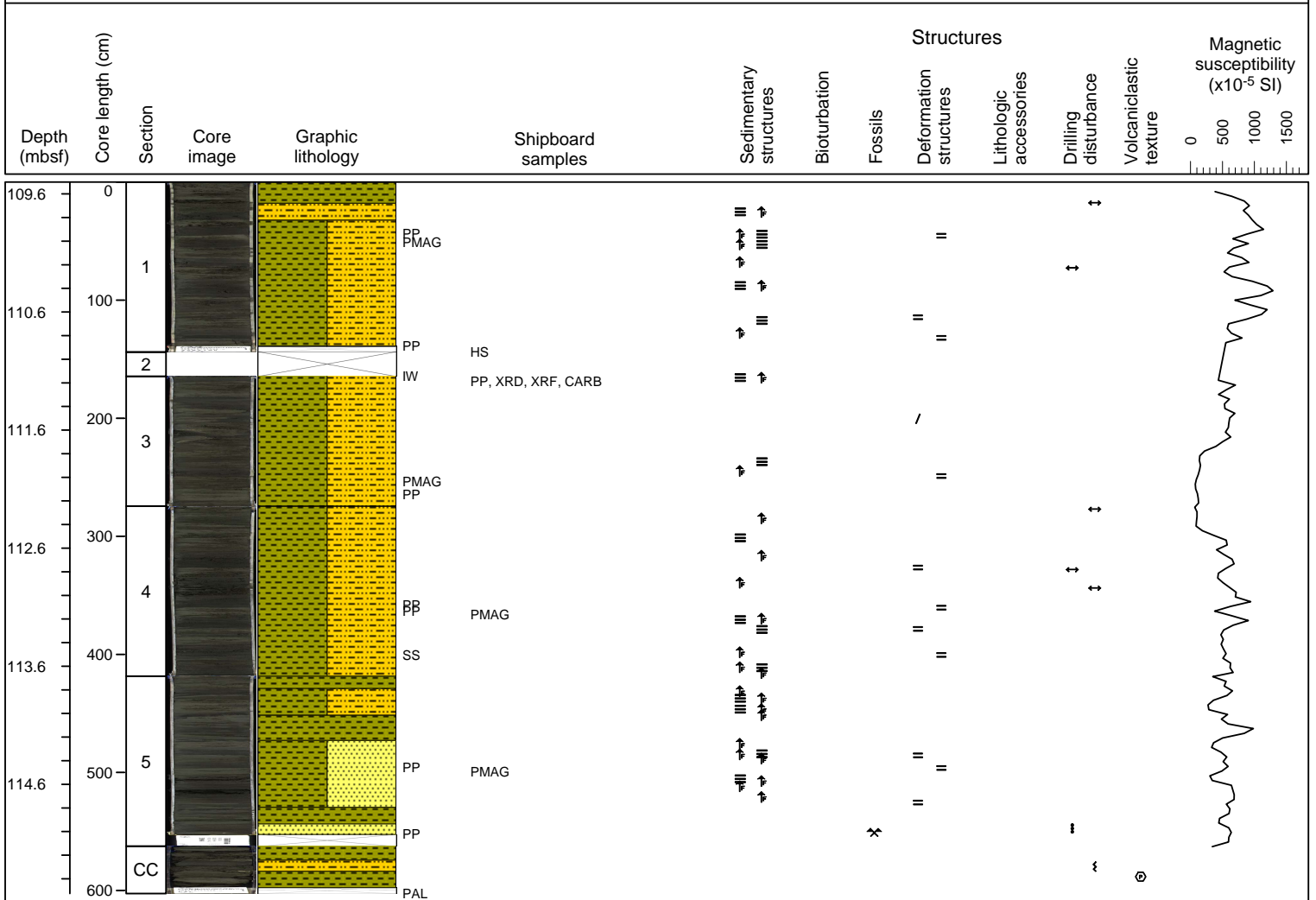
Dark olive gray silty clay interbedded with silty sand.

Pinkish-gray to beige graded ash layer is observed in Section 3, correlative with the characteristic ash layer at C0024D-11X-7A.



Hole C0024G Core 2X, interval 109.5-115.525 m (core depth below seafloor)

SILTY CLAY TO CLAYEY SILT AND SILTY SAND  
 Olive gray silty clay to clayey silt interbedded with dark gray beds of silty sand to fine sand.

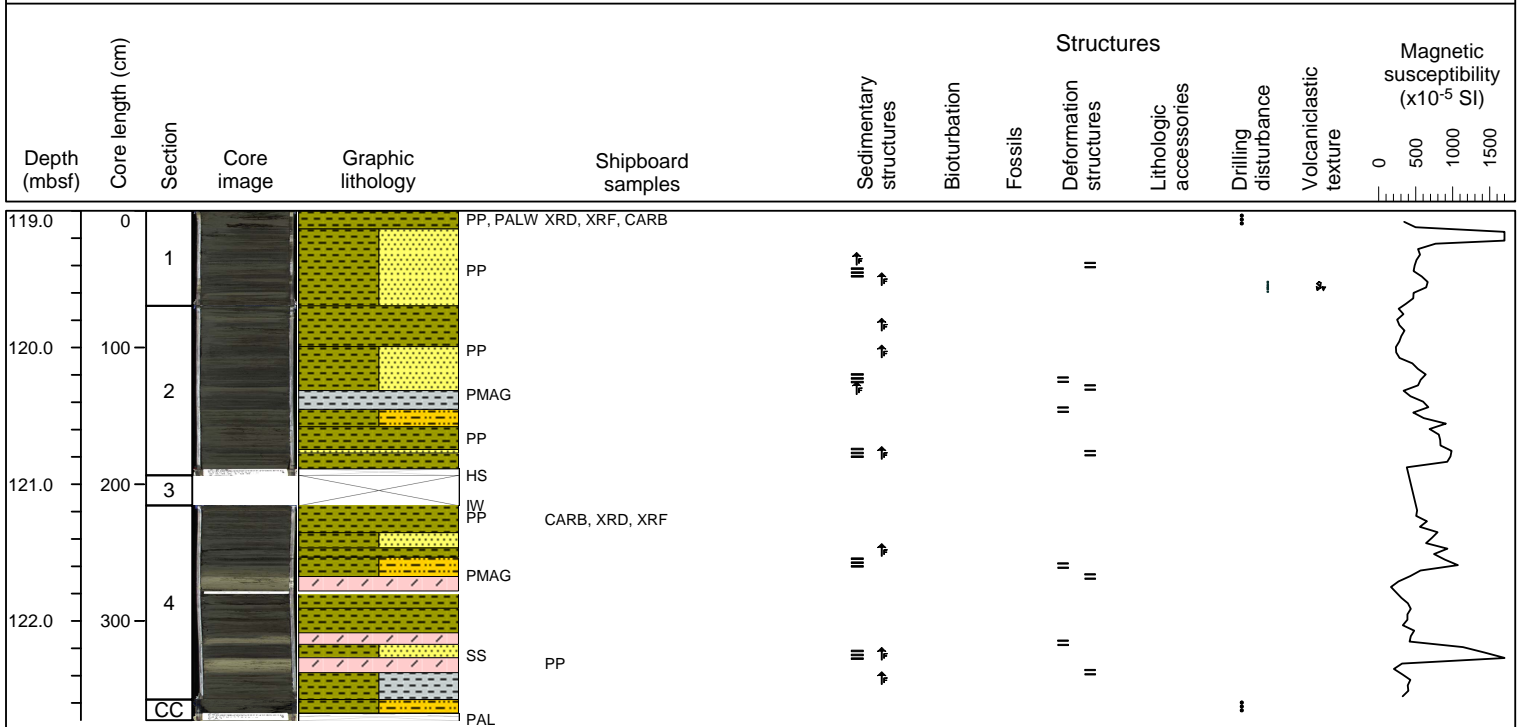




Hole C0024G Core 3X, interval 119-122.725 m (core depth below seafloor)

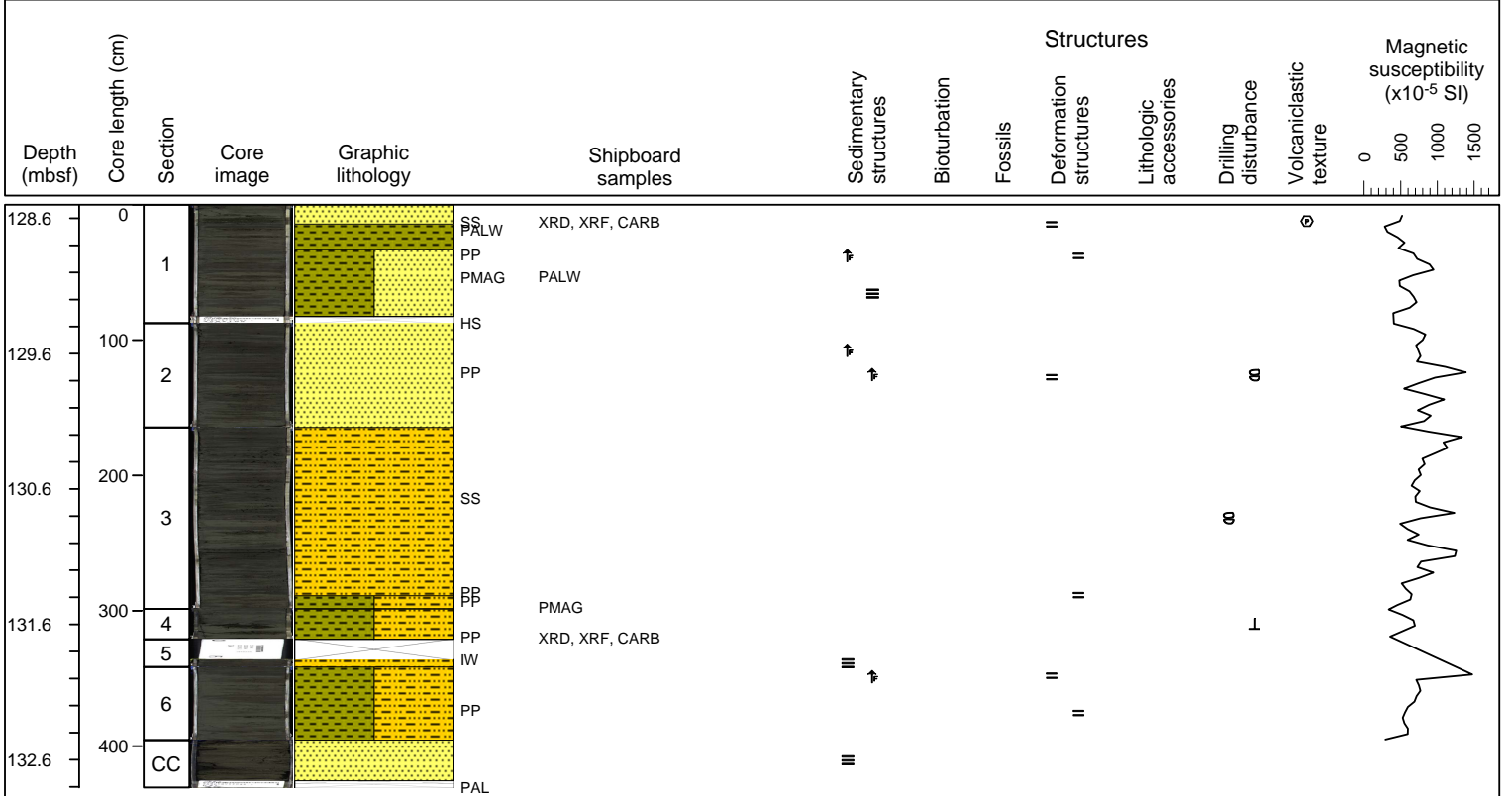
SILTY CLAY

Dark olive gray silty clay with high content of interbeds of very fine sand to fine sand. Three ash layers are observed.



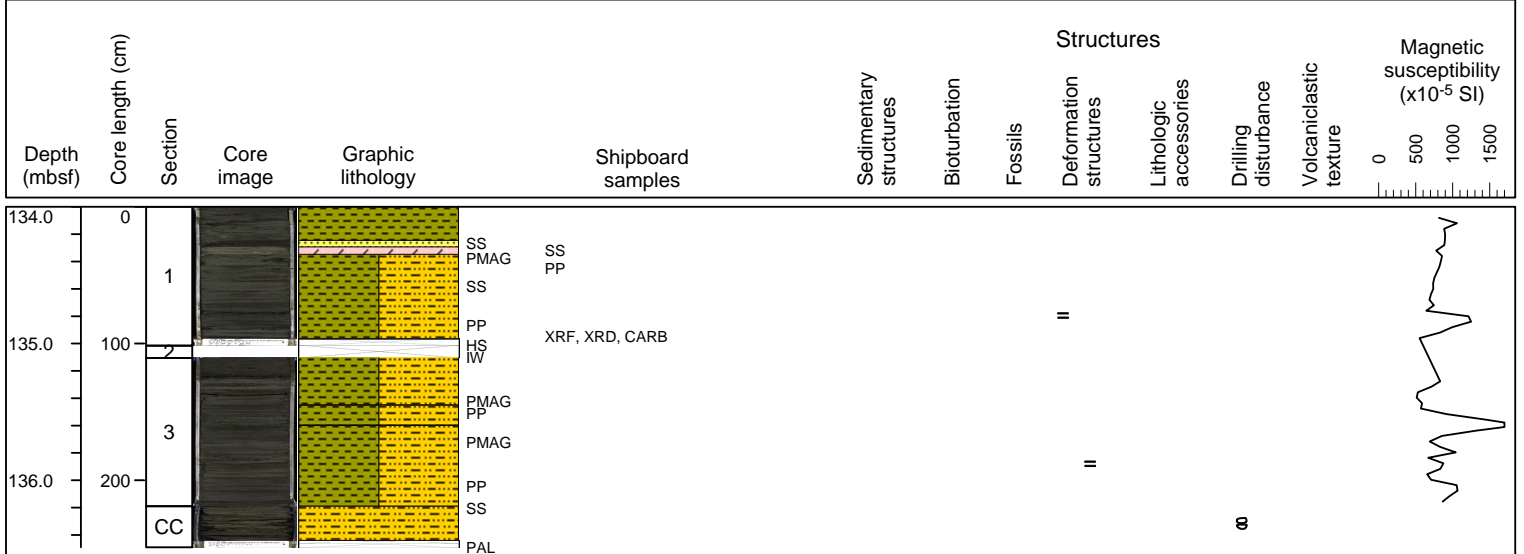
Hole C0024G Core 4X, interval 128.5-132.805 m (core depth below seafloor)

SILTY CLAY TO CLAYEY SILT AND SILTY SAND  
 Olive gray silty clay to clayey silt interbedded with dark gray beds of silty sand to fine sand.



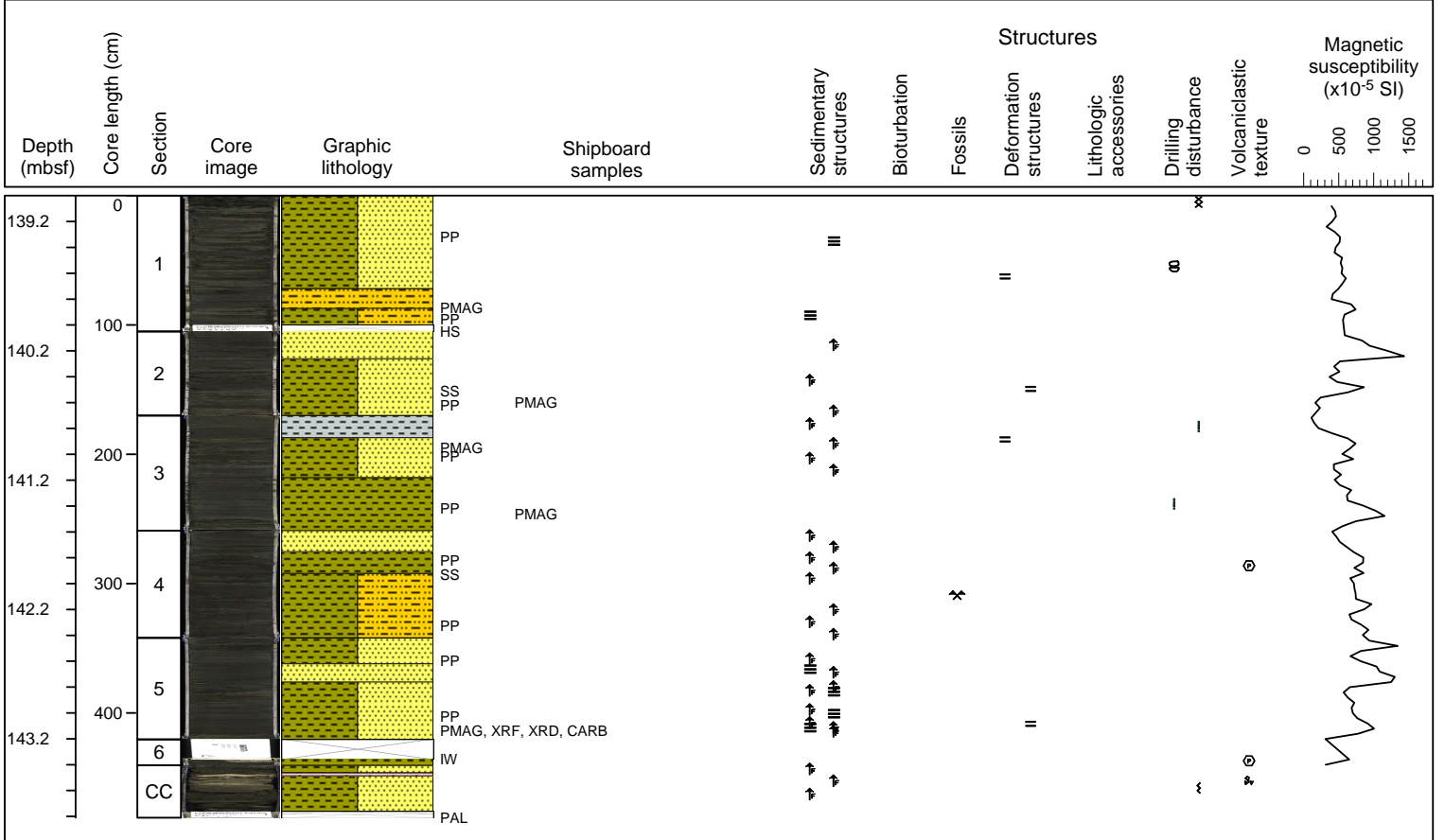
Hole C0024G Core 5X, interval 134-136.49 m (core depth below seafloor)

SILTY CLAY AND SILTY SAND  
 Dark gray silty clay and silty sand, interbedded. Ash layer is observed.



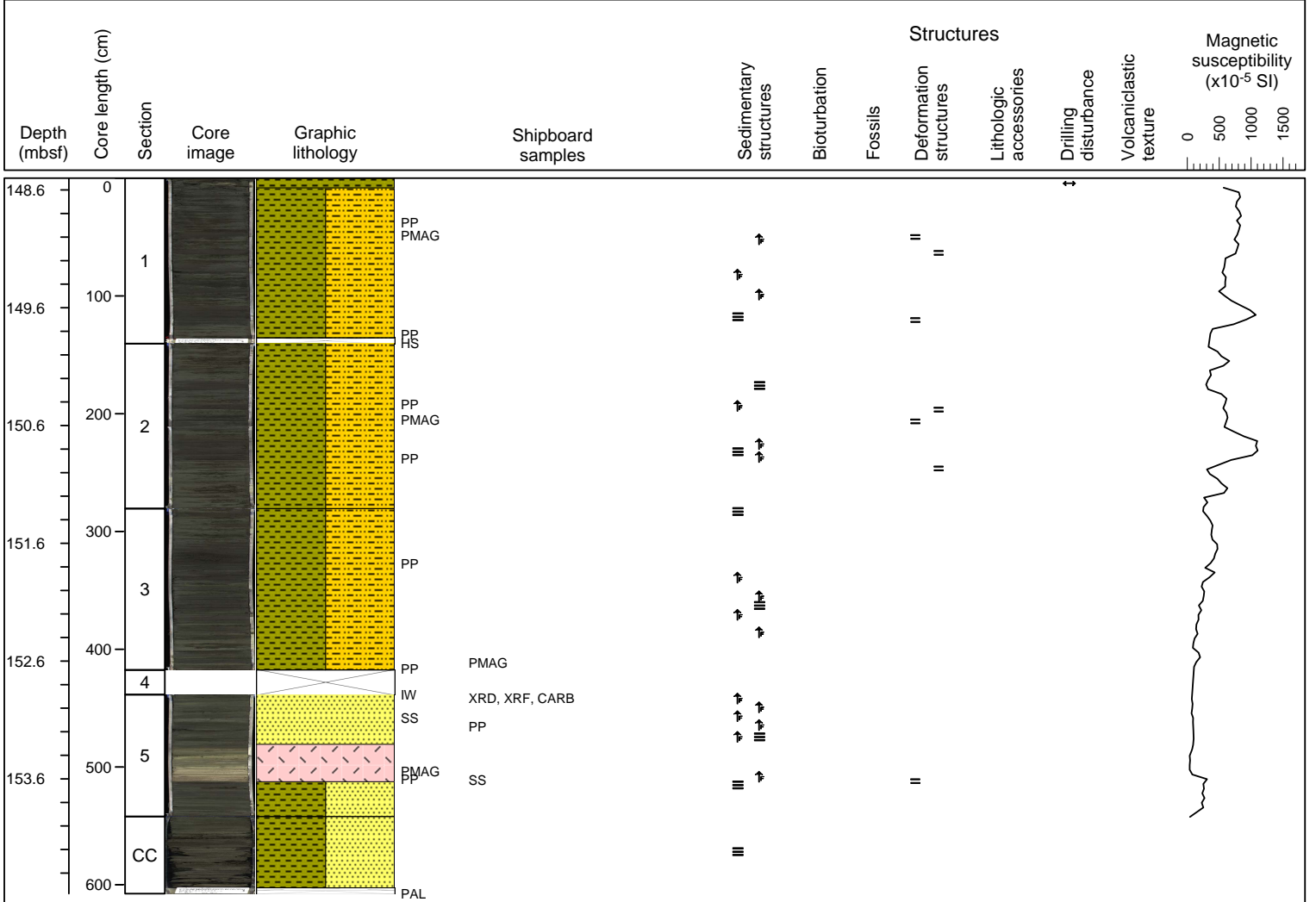
Hole C0024G Core 6X, interval 139-143.81 m (core depth below seafloor)

SILTY CLAY AND FINE SAND  
 Alternating light to dark gray silty clay with thin bedded graded very fine sand to fine sand.  
 Light gray ash layer is observed.



Hole C0024G Core 7X, interval 148.5-154.575 m (core depth below seafloor)

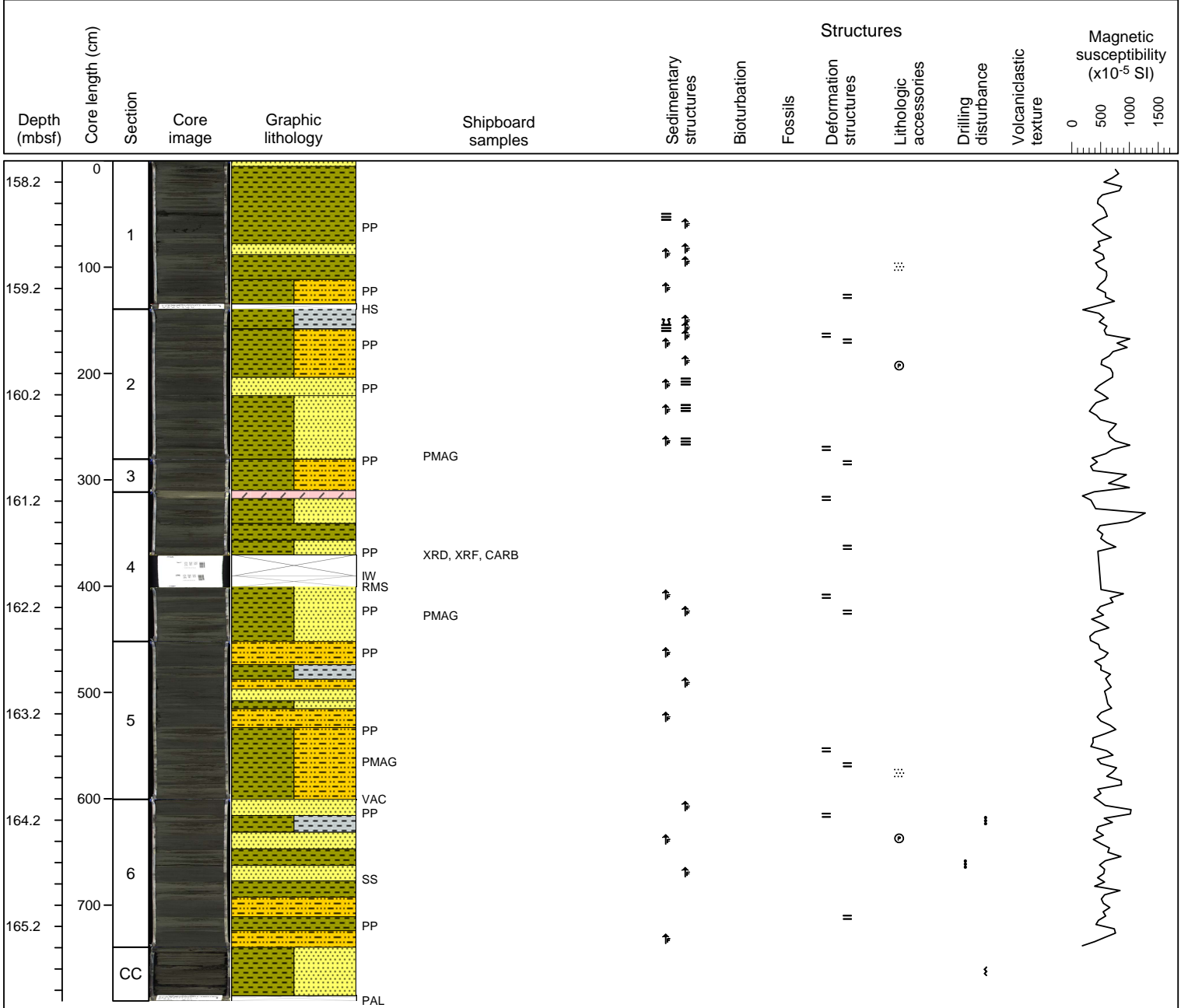
SILTY CLAY TO CLAYEY SILT  
 Dark olive gray silty clay to clayey silt, interbedded (laminae) with silty sand to fine sand.  
 Prominent pinkish-beige to brownish gray ash in Section 5.



Hole C0024G Core 8X, interval 158-165.9 m (core depth below seafloor)

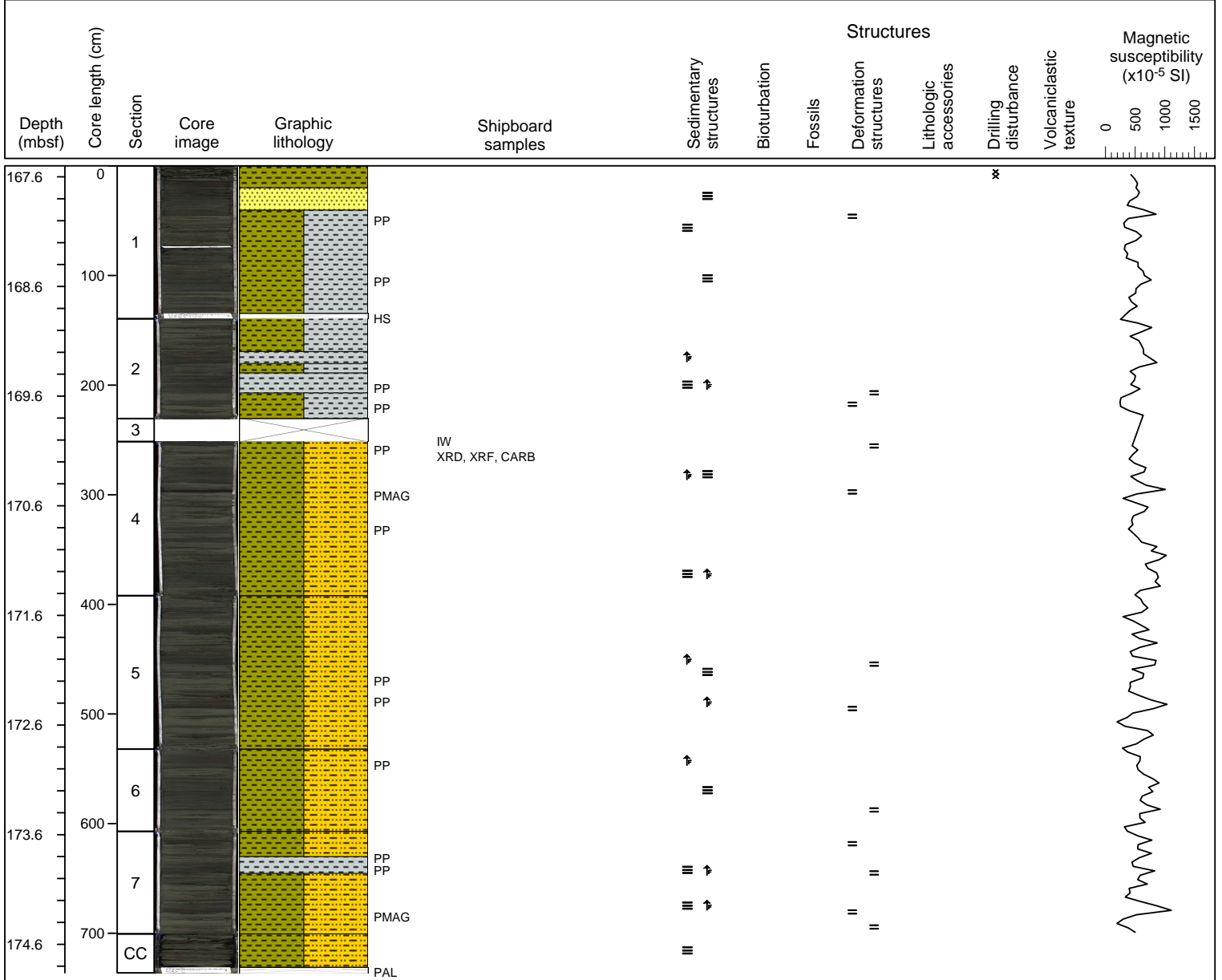
SILTY SAND

Alternating medium to very thin bedded graded silt and sand with structureless light gray silty clay to clayey silt.



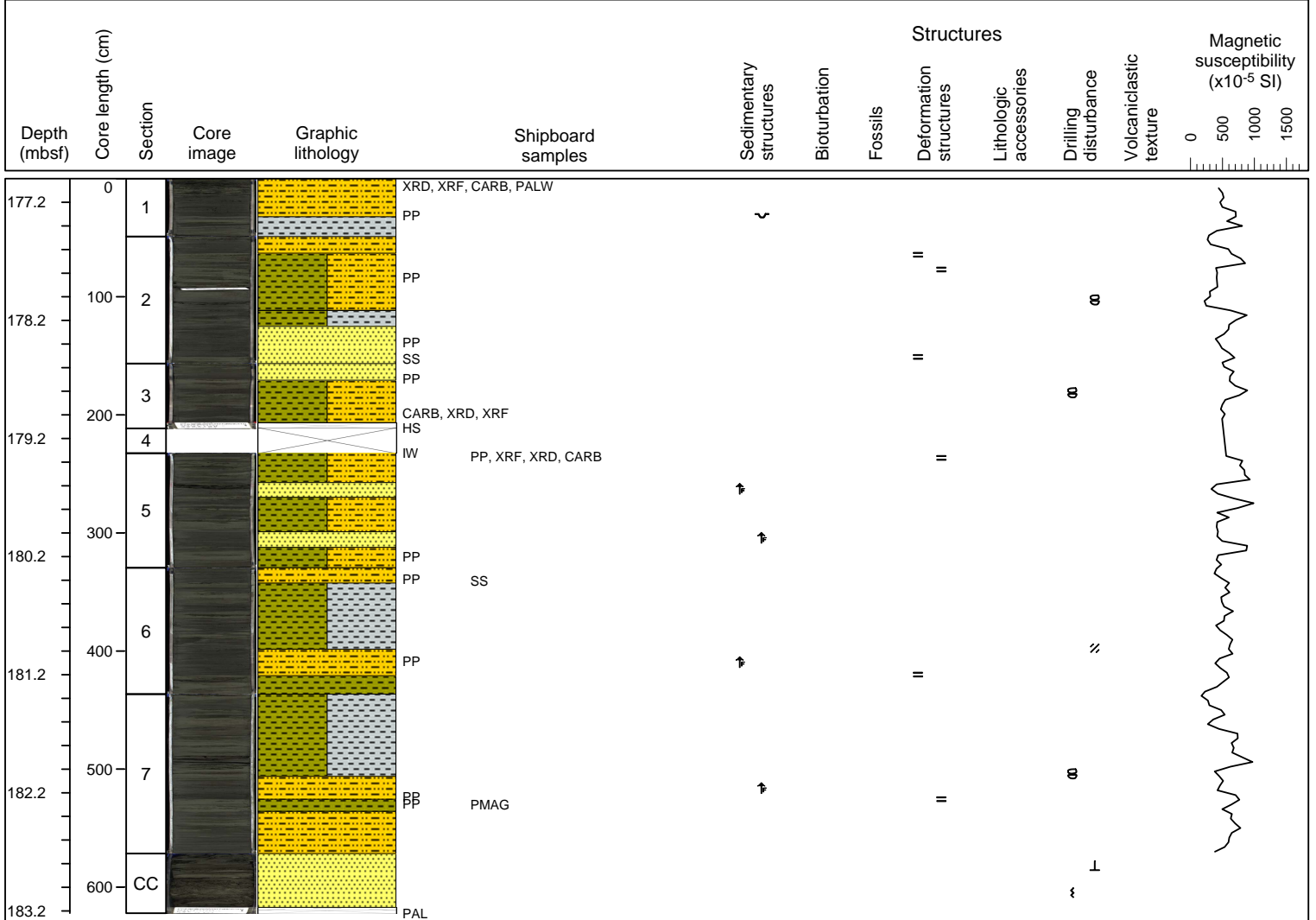
Hole C0024G Core 9X, interval 167.5-174.86 m (core depth below seafloor)

SILTY CLAY TO CLAYEY SILT  
 Dark olive gray silty clay to clayey silt, and dark gray silt to fine sand, laminated.



Hole C0024G Core 10X, interval 177-183.22 m (core depth below seafloor)

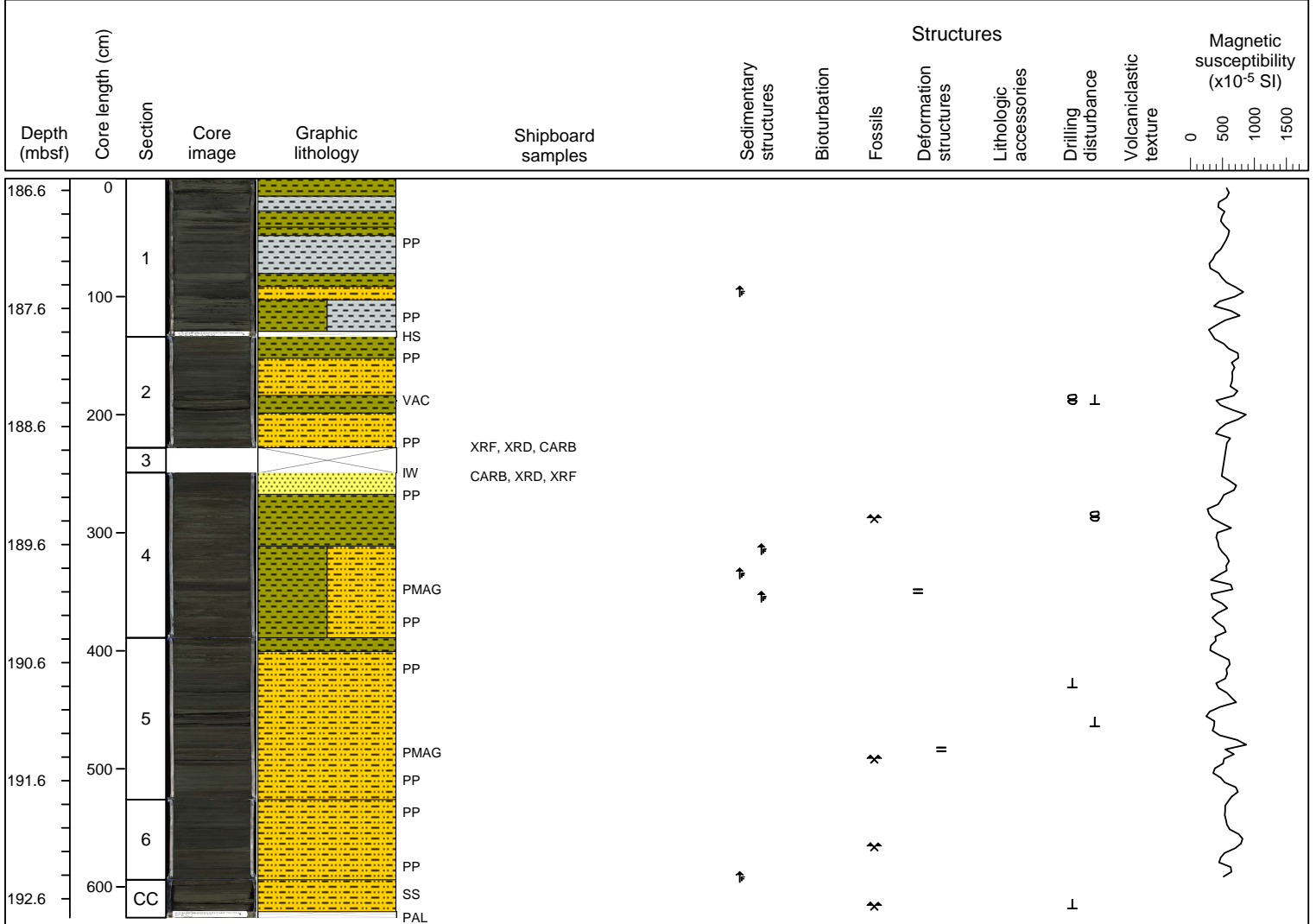
SILTY SAND AND SILTY CLAY TO CLAYEY SILT  
 Dark olive gray silty very fine sand interbedded with silty clay to clayey silt.





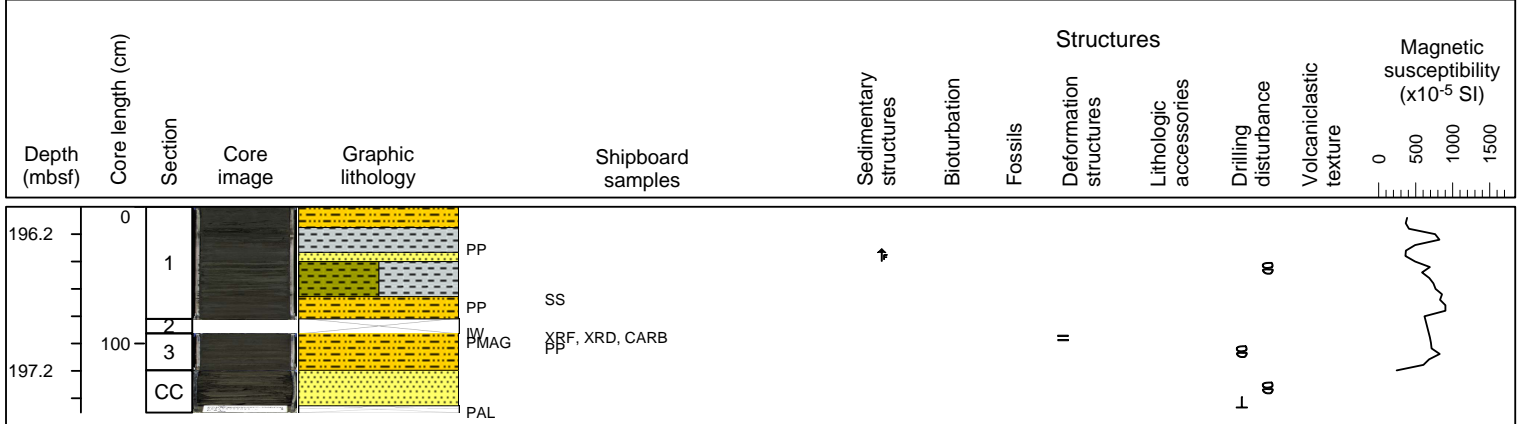
Hole C0024G Core 11X, interval 186.5-192.76 m (core depth below seafloor)

SILTY CLAY TO SILTY SAND  
 Dark olive gray silty clay to silt to sand; sandy silt dominant towards bottom of core.



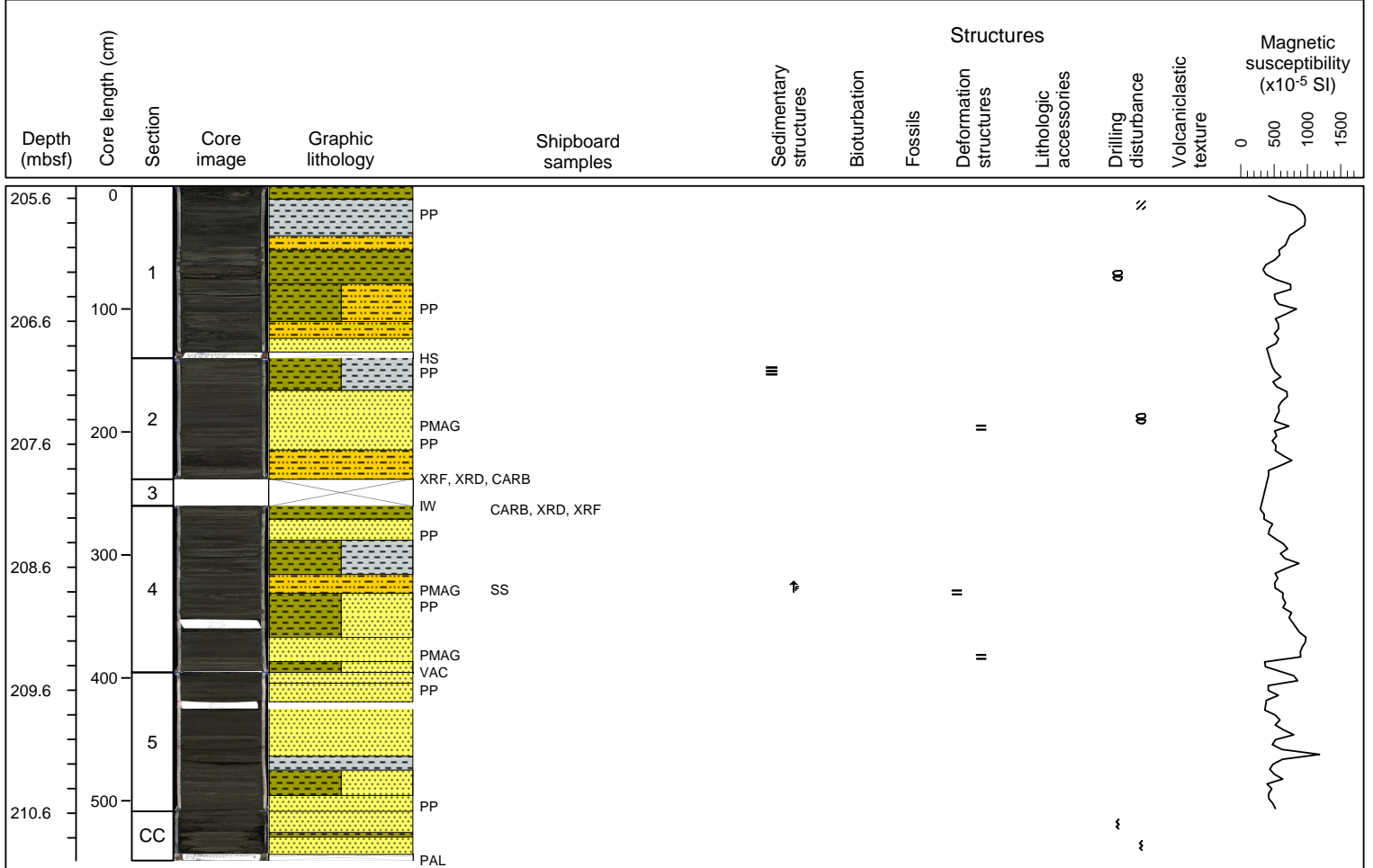
Hole C0024G Core 12X, interval 196-197.505 m (core depth below seafloor)

**SILTY SAND**  
 Dark gray silty sand to very fine sand interbedded with silt and silty clay.



Hole C0024G Core 13X, interval 205.5-210.985 m (core depth below seafloor)

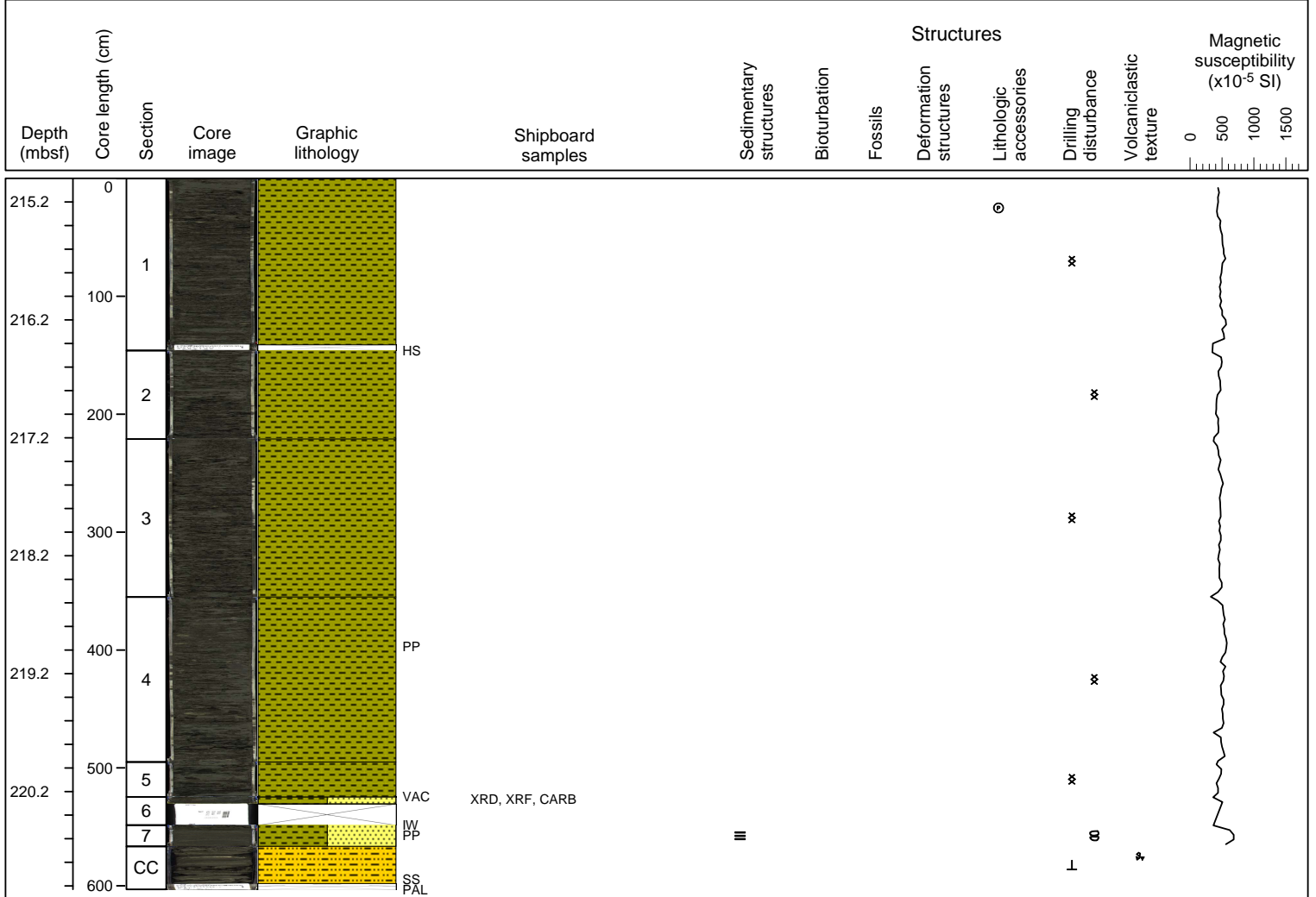
FINE SAND  
Dark olive gray very fine sand to fine sand, interbedded with silt and silty clay.



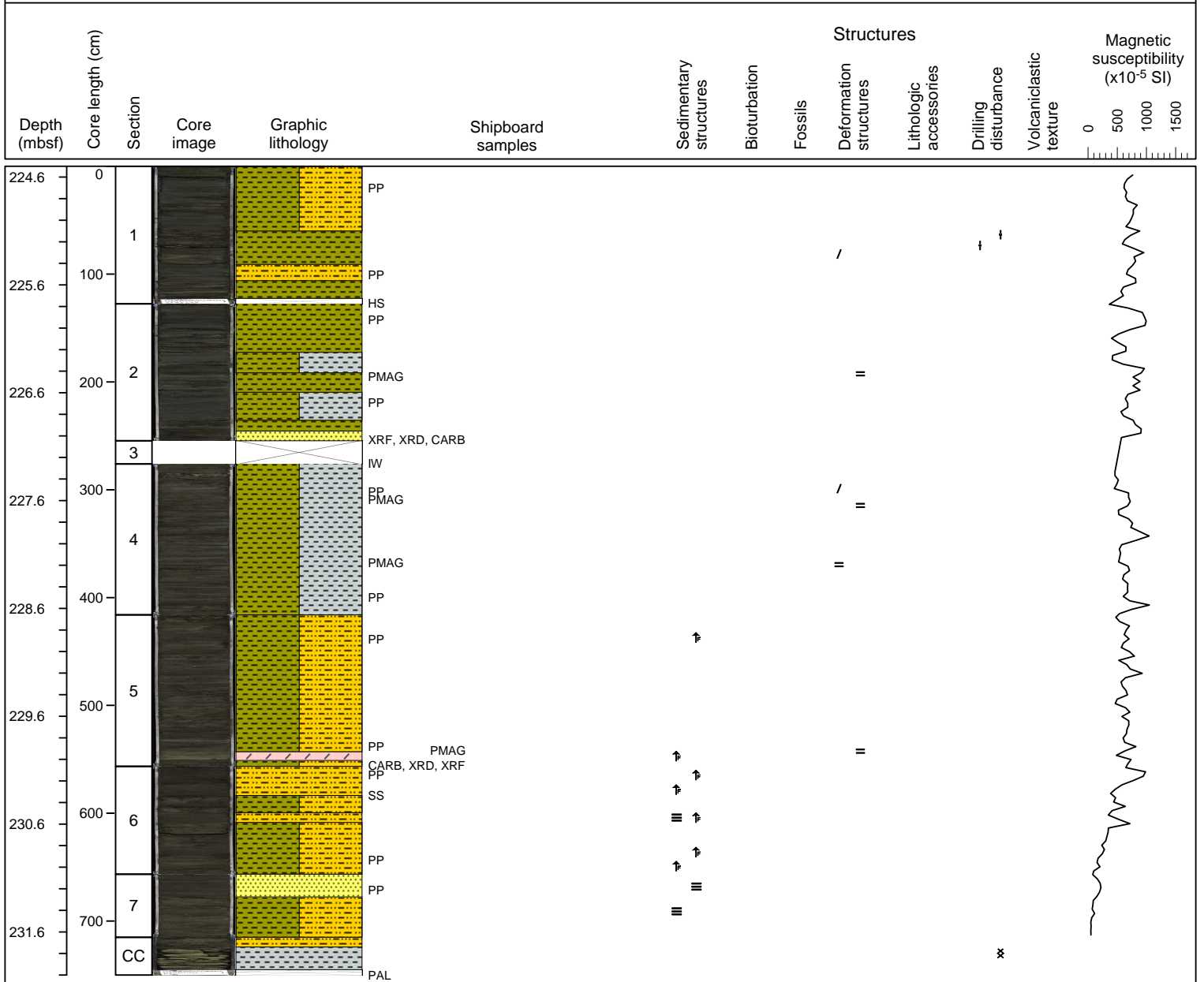
Hole C0024G Core 14X, interval 215-221.03 m (core depth below seafloor)

SILTY CLAY TO CLAYEY SILT

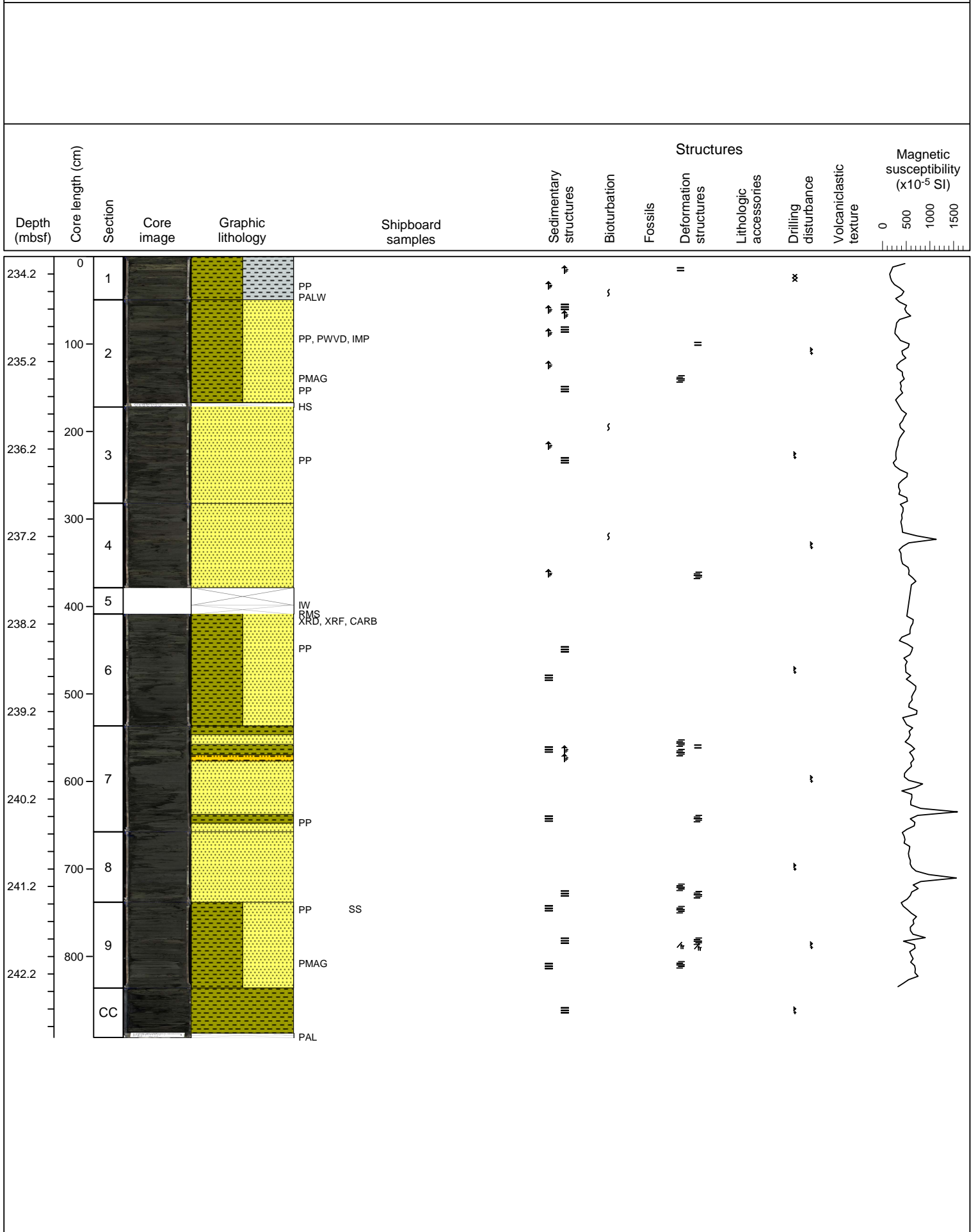
Largely disturbed by drilling (drilling breccia and cuttings). Mostly dark olive gray silty clay to clayey silt with some ash. Silt to very fine sand occurs towards bottom of the core.



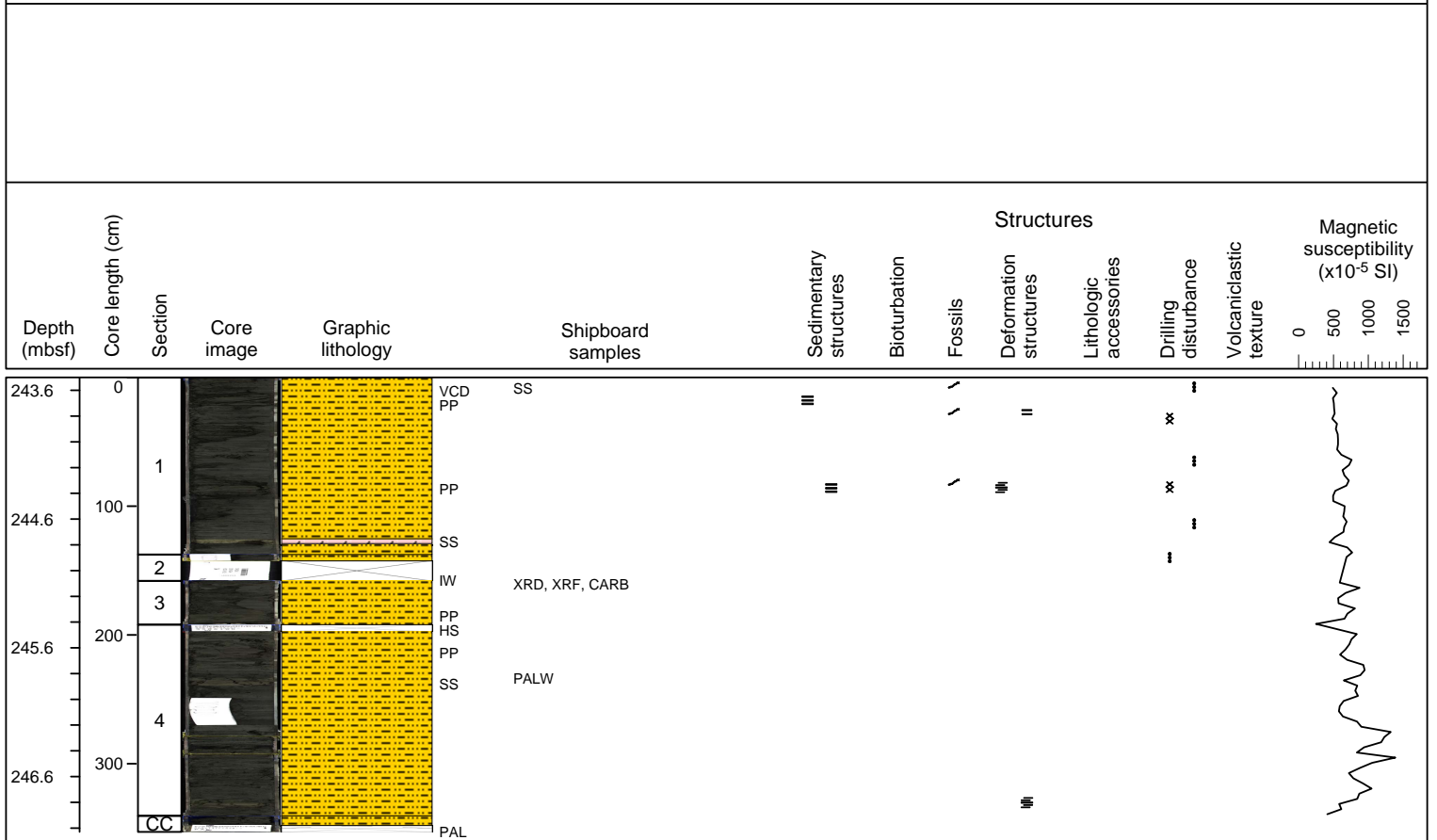
Hole C0024G Core 15X, interval 224.5-232 m (core depth below seafloor)



Hole C0024G Core 16X, interval 234-242.925 m (core depth below seafloor)

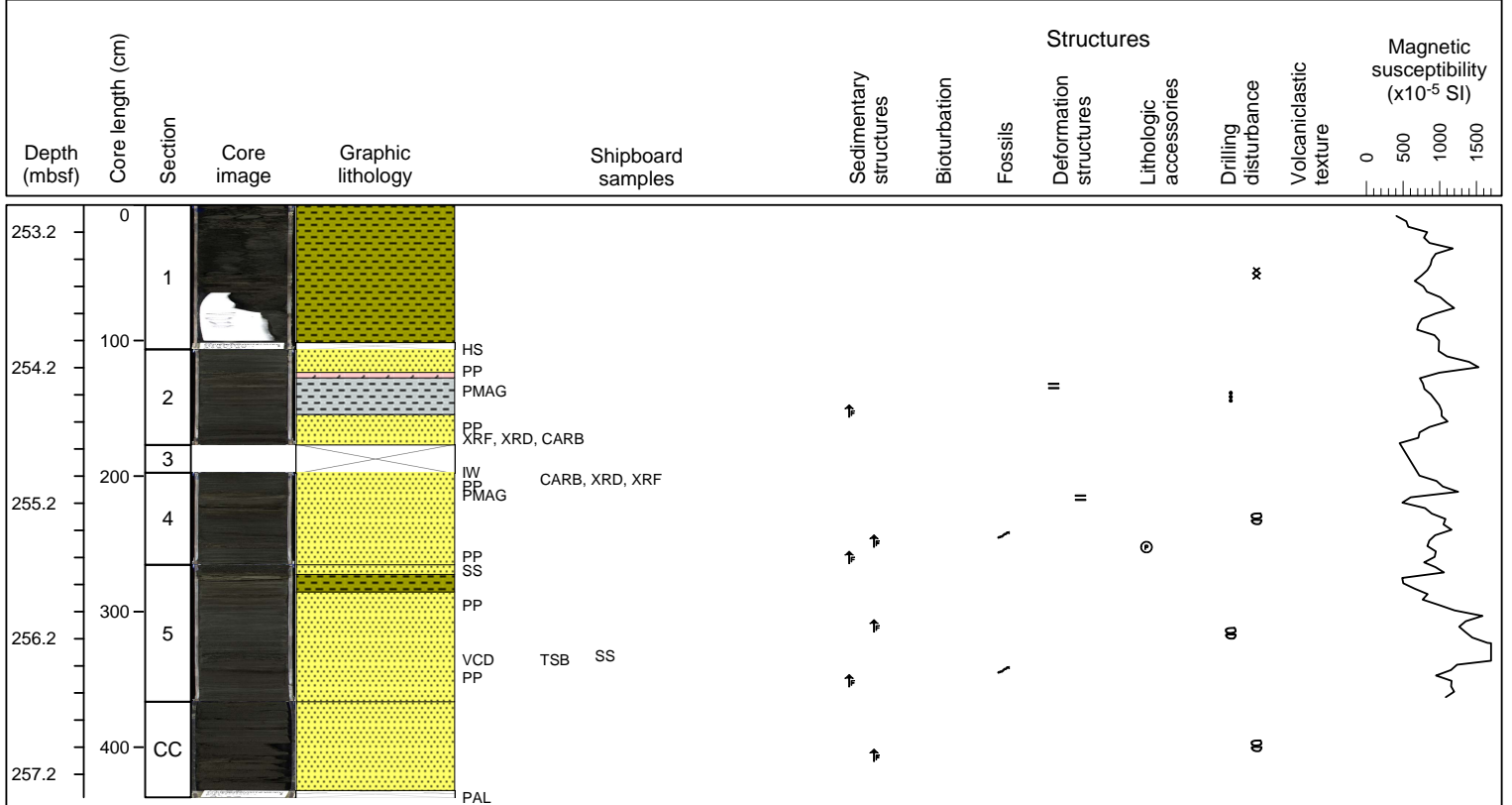


Hole C0024G Core 17X, interval 243.5-247.03 m (core depth below seafloor)



Hole C0024G Core 18X, interval 253-257.37 m (core depth below seafloor)

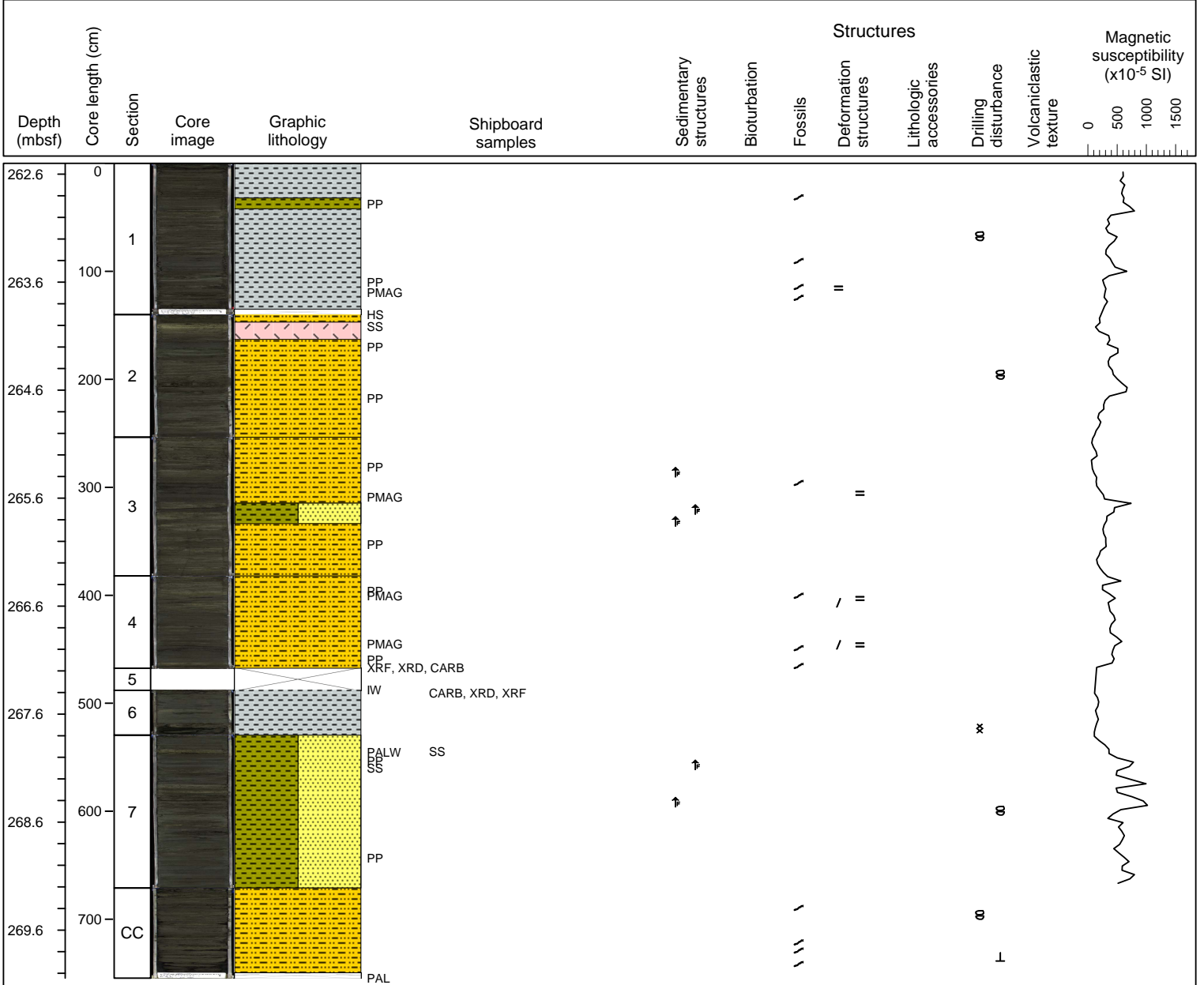
FINE SAND  
 Fine sand with interbeds of silty clay and silt  
 Some sections with stacked of graded sand





Hole C0024G Core 19X, interval 262.5-270.045 m (core depth below seafloor)

SANDY SILT TO SILTY SAND  
 Sandy silt to silty sand with interbeds of graded fine sand and structureless silty clay to clayey silt  
 Sporadic patches of organic materials

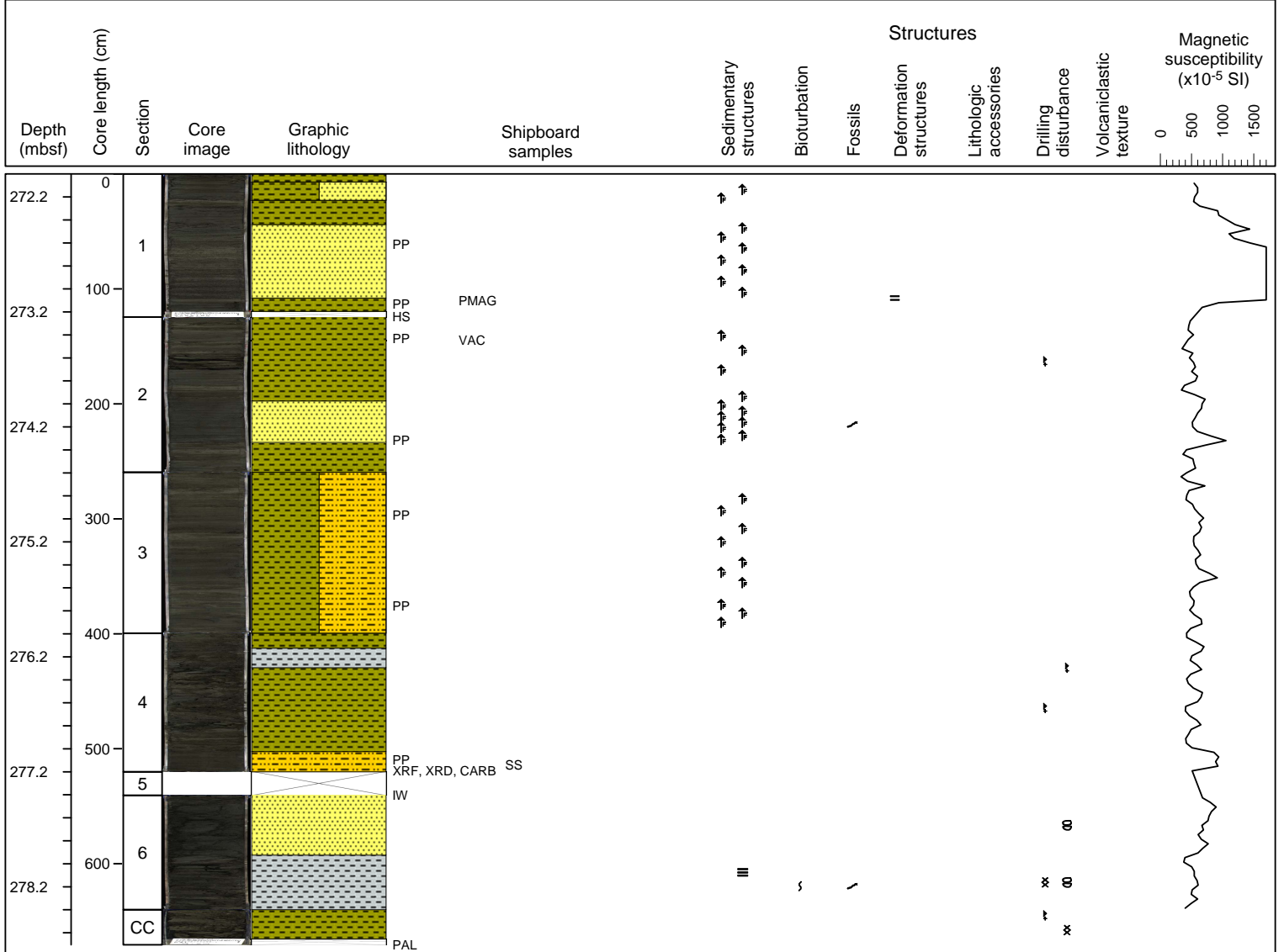


Hole C0024G Core 20X, interval 272-278.705 m (core depth below seafloor)

SILTY CLAY TO CLAYEY SILT

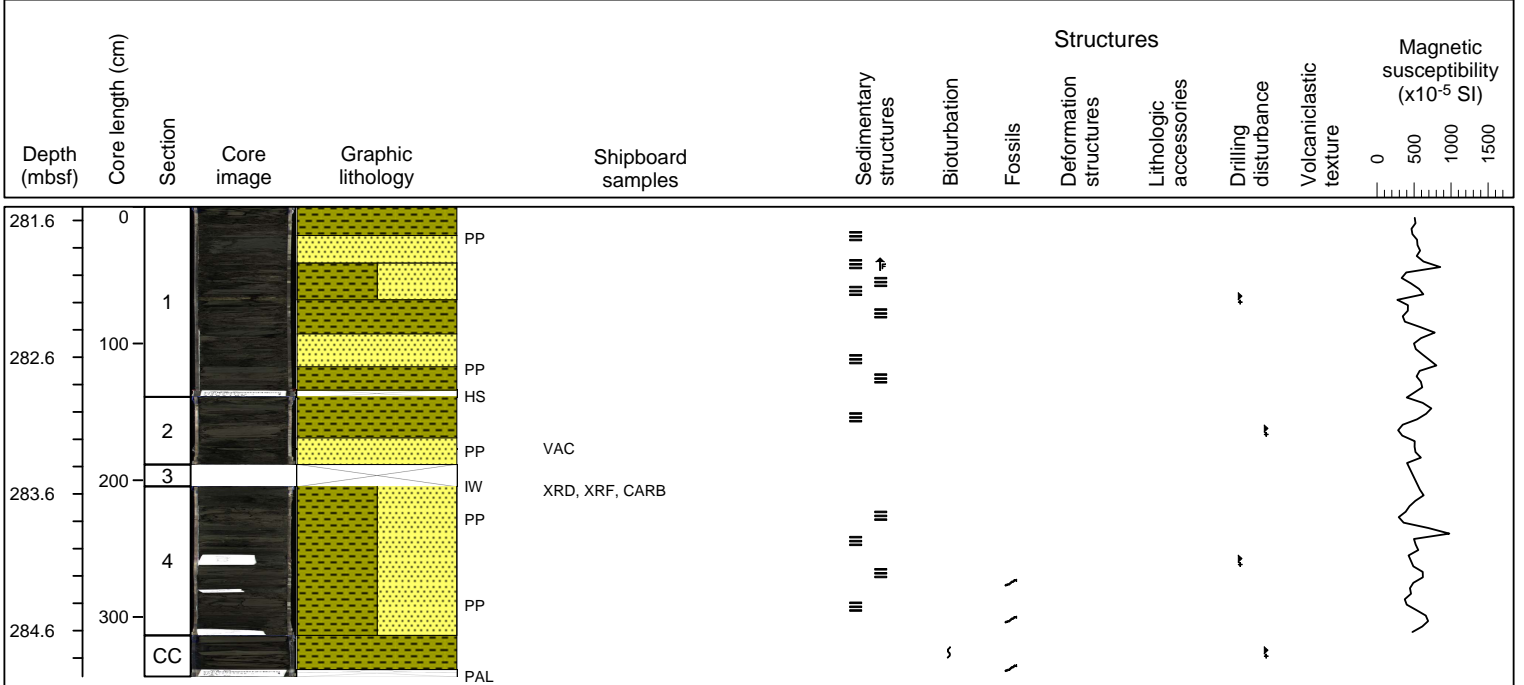
Silty clay to clayey silt with interbeds of graded fine sand and silt.

Thick sand beds are soupy and associated with more consolidated silt intact fragments showing parallel beddings.



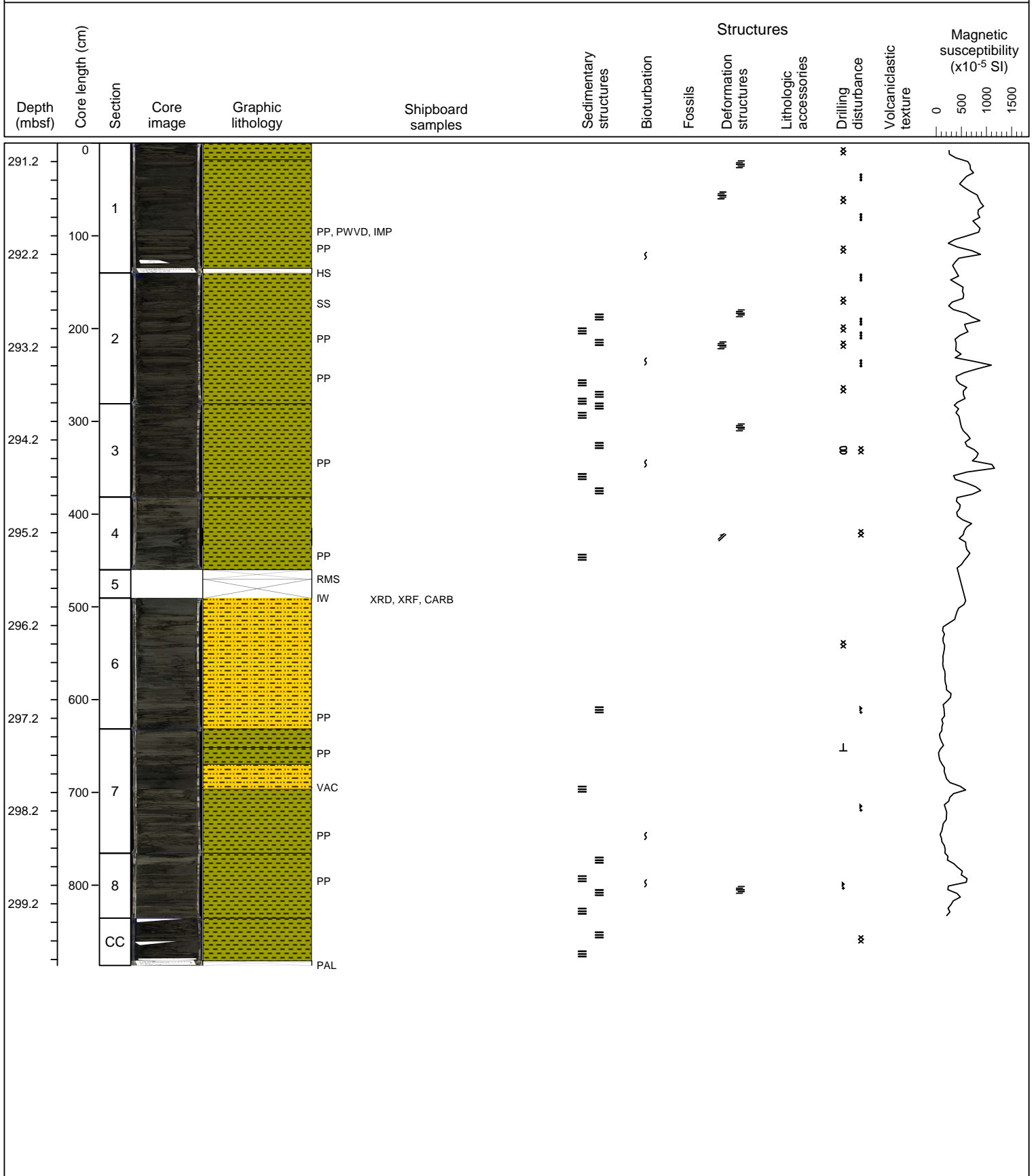
Hole C0024G Core 21X, interval 281.5-284.935 m (core depth below seafloor)

FINE SAND AND SILTY CLAY  
 Alternating slurry very-fine to fine sand with silty claystone showing planar bedding  
 Heavily drilling disturbed



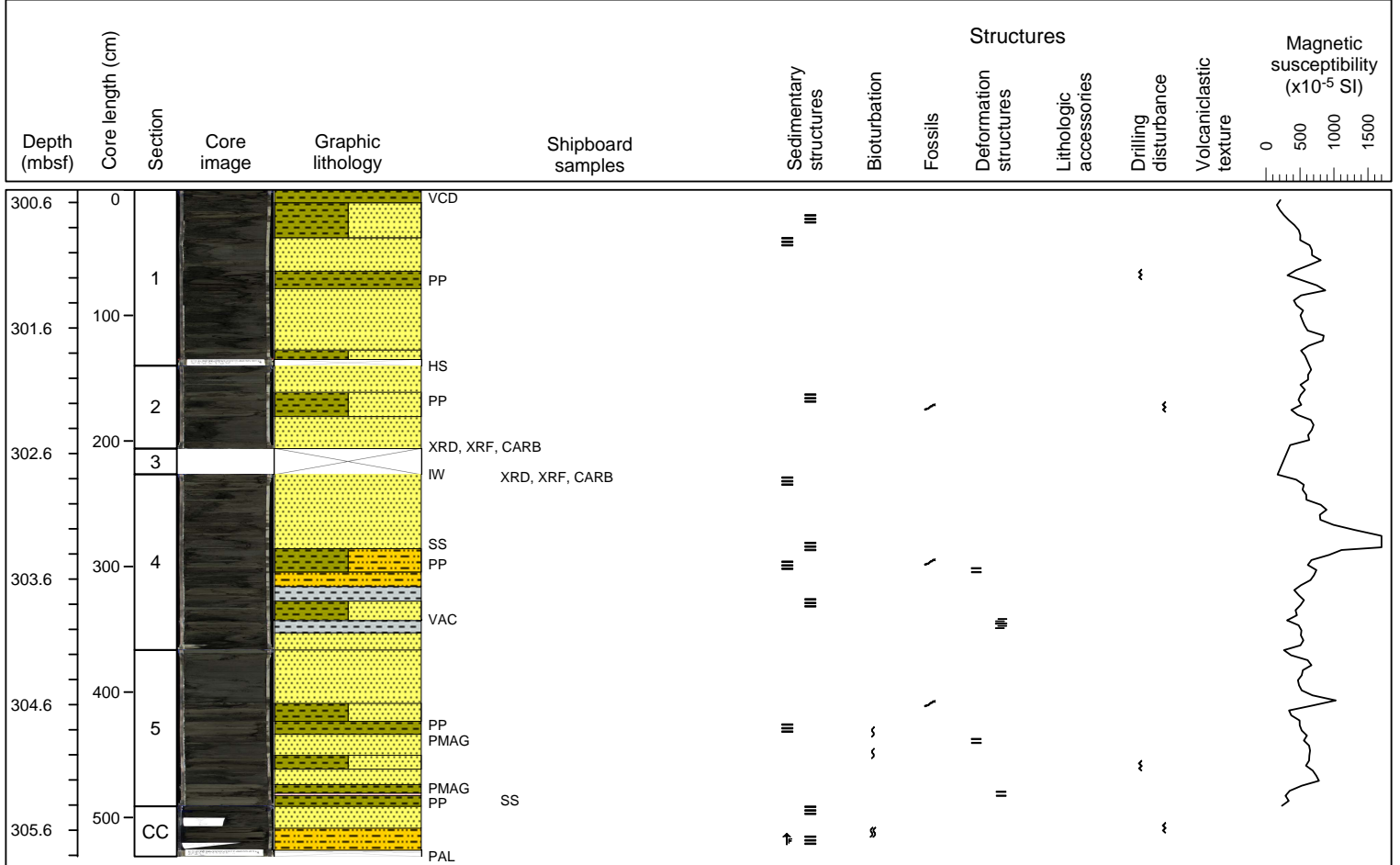
Hole C0024G Core 22X, interval 291-299.865 m (core depth below seafloor)

**SILTY CLAY**  
 Alternating intact cuttings of silty claystone with parallel beddings with slurry mix of silt and sand



Hole C0024G Core 23X, interval 300.5-305.81 m (core depth below seafloor)

SILT TO FINE SAND  
 Dark olive gray silt to very fine sand, with thin laminations. Medium sand is observed in Section 4.



Hole C0024G Core 24X, interval 310-318.905 m (core depth below seafloor)

SILTY CLAY TO CLAYEY SILT  
 Dark gray silty clay to clayey silt with slurry silty very fine sand. Light gray ash layer at 24X-6, 7-10cm.  
 Heavily disturbed by drilling. Intact pieces show lamina and slight bioturbation.

