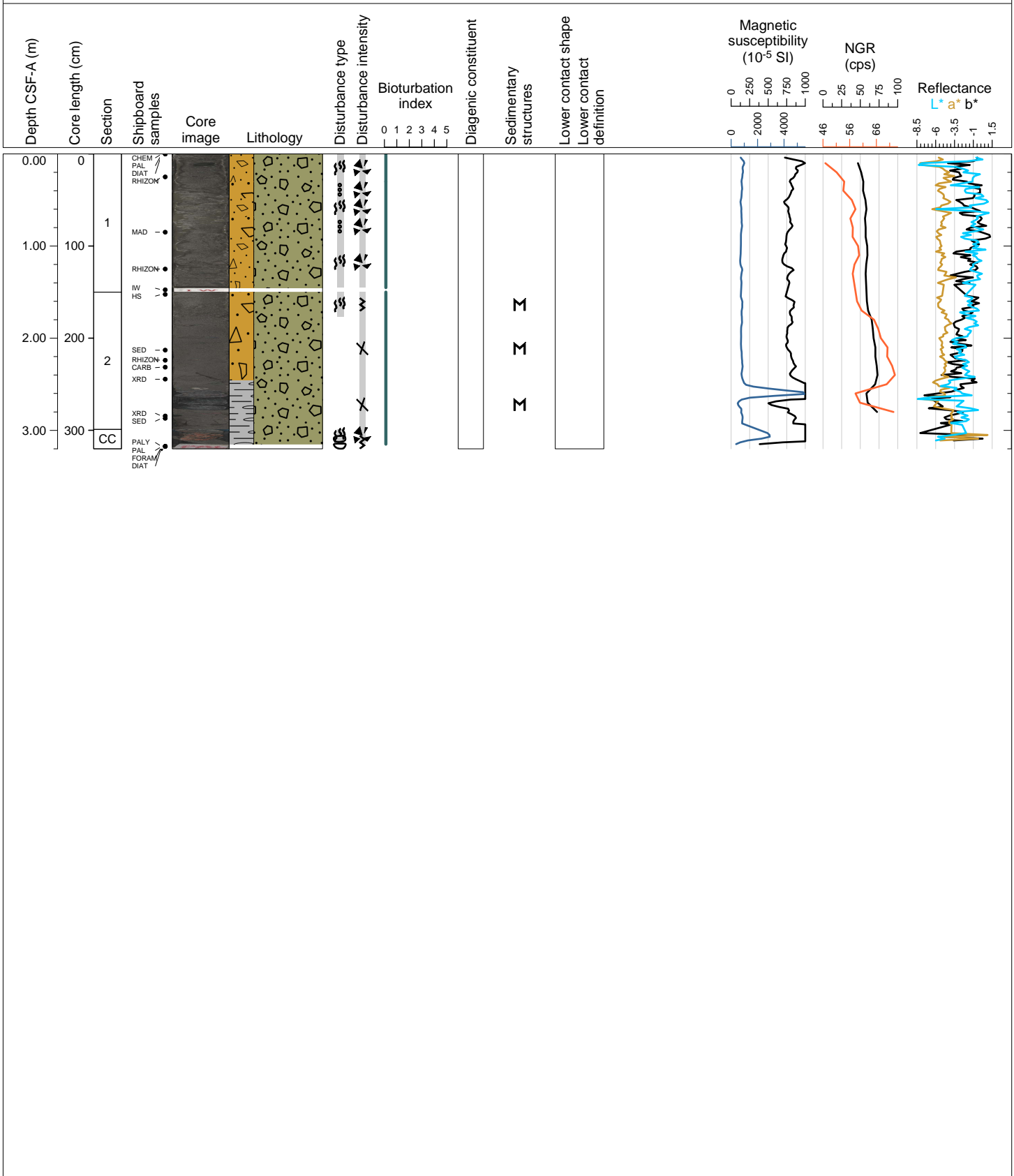


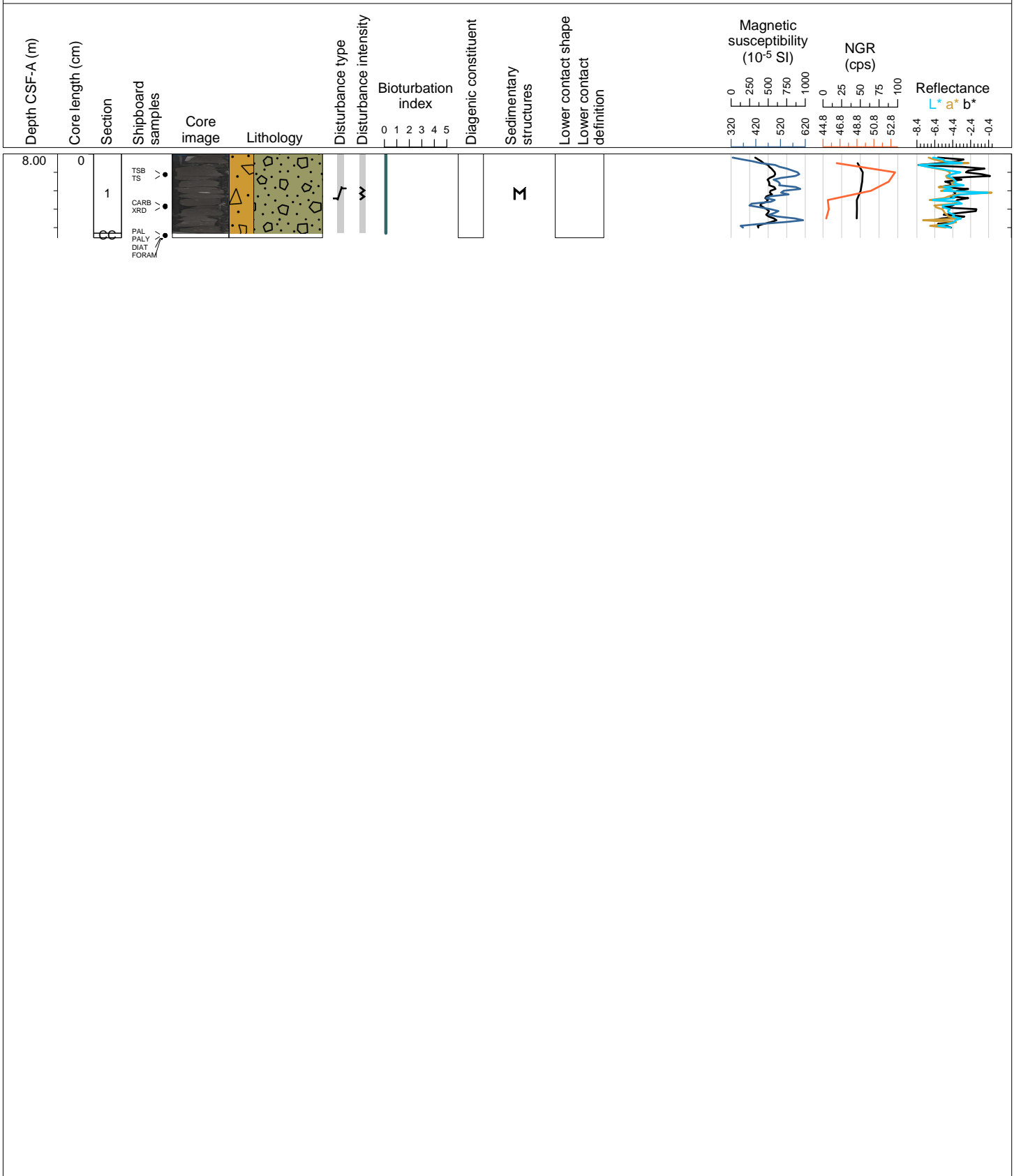
Hole 400-U1605A Core 1R, Interval 0.0-3.2 m (CSF-A)

Grey massive clast-poor sandy to clast-rich muddy diamicton. The top of the core is strongly disturbed with washed gravel, limiting observations of sediment matrix structure or bioturbation.



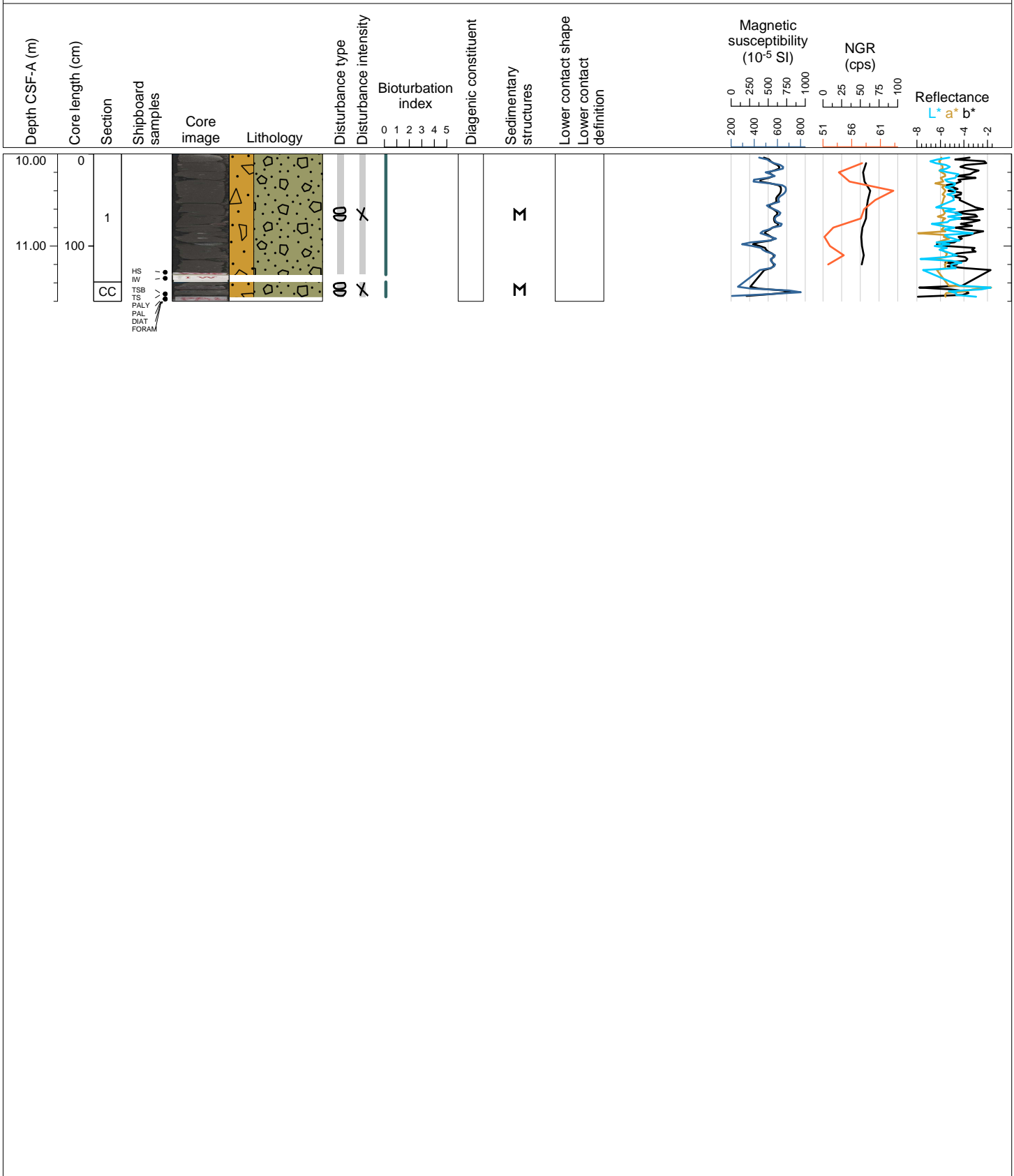
Hole 400-U1605A Core 2R, Interval 8.0-8.91 m (CSF-A)

Greyish brown clast-poor, sandy diamicton containing clasts of quartz, gneiss/granite, and dark fine-grained crystalline rock. Strongly brecciated and jumbled during drilling. Pieces may be out of order. No bioturbation observed in the diamicton.



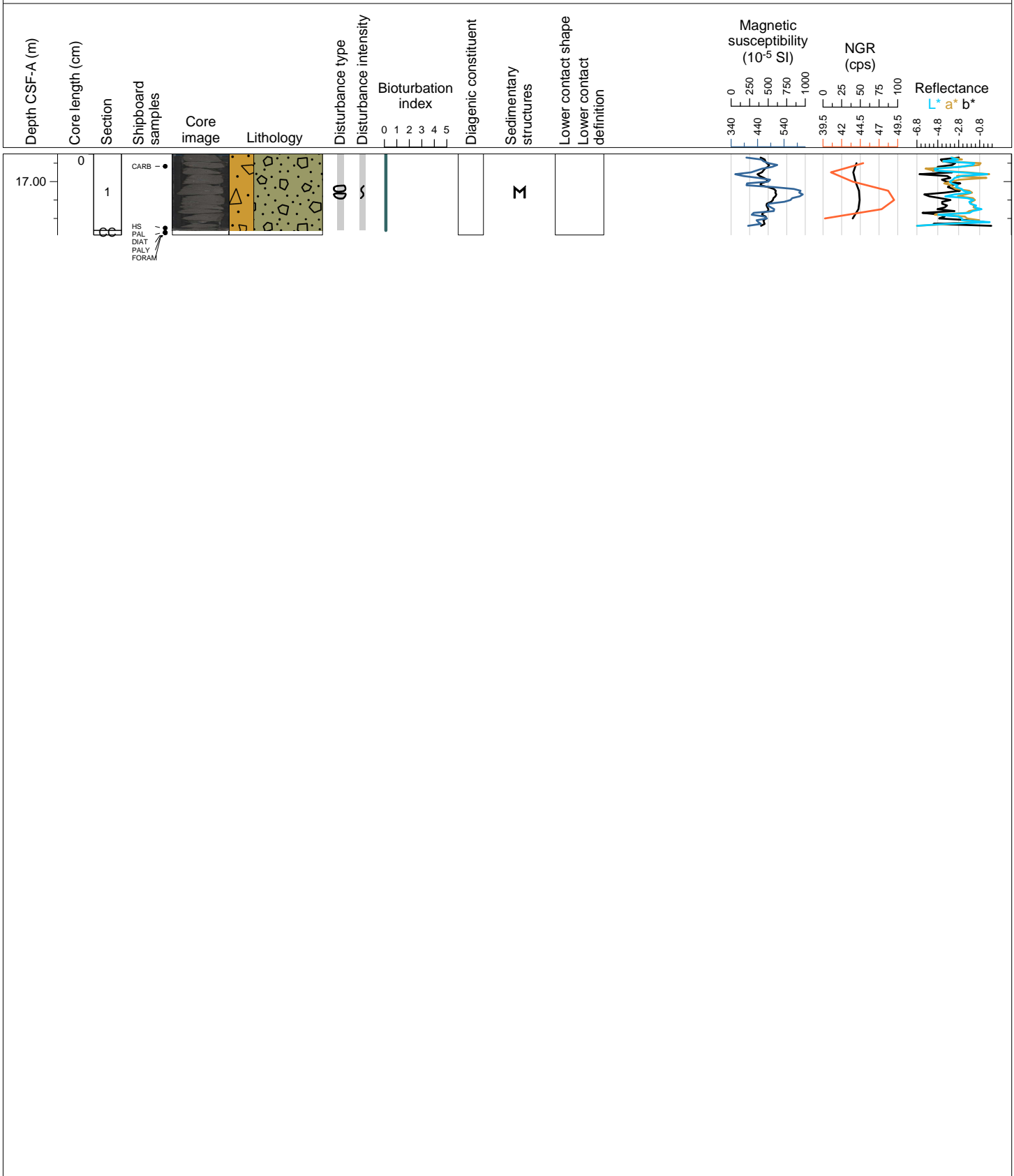
Hole 400-U1605A Core 3R, Interval 10.0-11.6 m (CSF-A)

Dark greyish yellow massive clast-poor, sandy diamicton containing clasts of predominantly granite, other plutonic and high-grade metamorphic rocks. Matrix is muddy sand with fine to coarse sand. No bioturbation observed. Core is biscuited and washed.



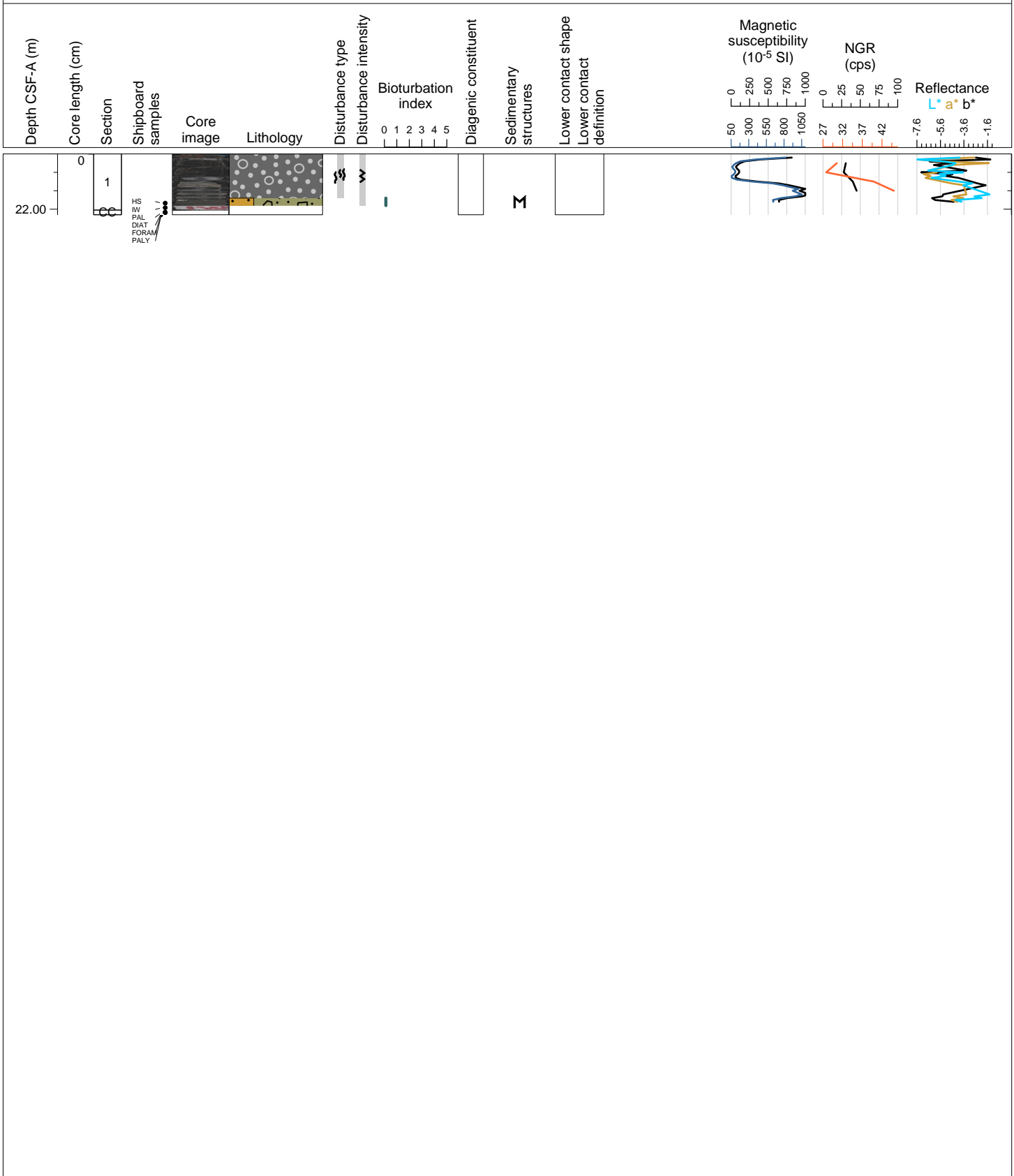
Hole 400-U1605A Core 4R, Interval 16.7-17.58 m (CSF-A)

Greyish brown to dark yellow, clast-poor sandy diamicton. No stratification evident. Contains 0.5 to 2 cm angular to subangular clasts of granite, diorite, and other plutonic igneous and metamorphic rocks. Well-indurated. Bioturbation is absent.



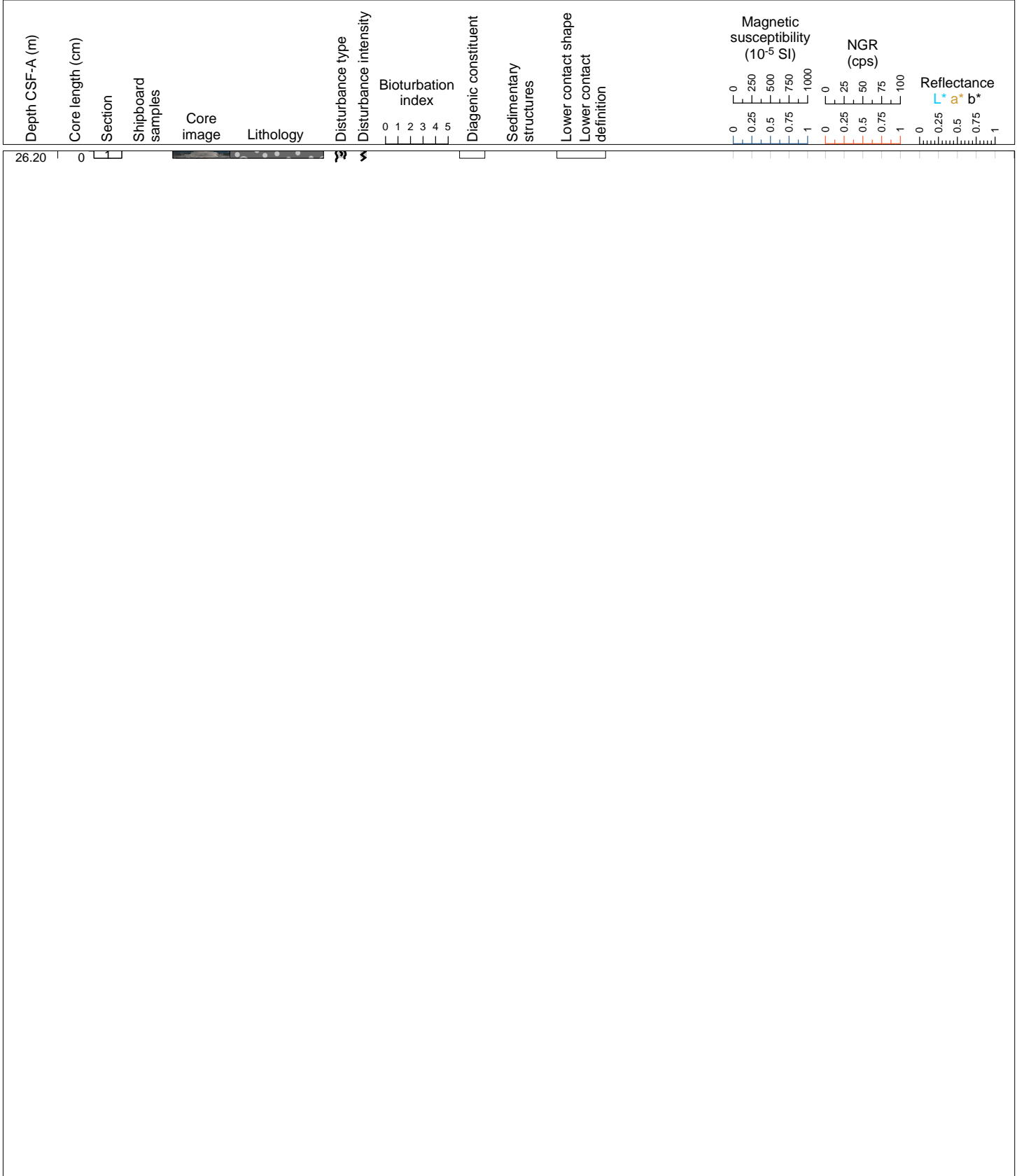
Hole 400-U1605A Core 5R, Interval 21.4-22.06 m (CSF-A)

Greyish brown to dark yellow, clast poor sandy diamicton. No stratification evident. Contains 2 mm to 1 cm angular to subangular clasts of plutonic igneous and metamorphic rocks. Well-indurated. Bioturbation is absent.



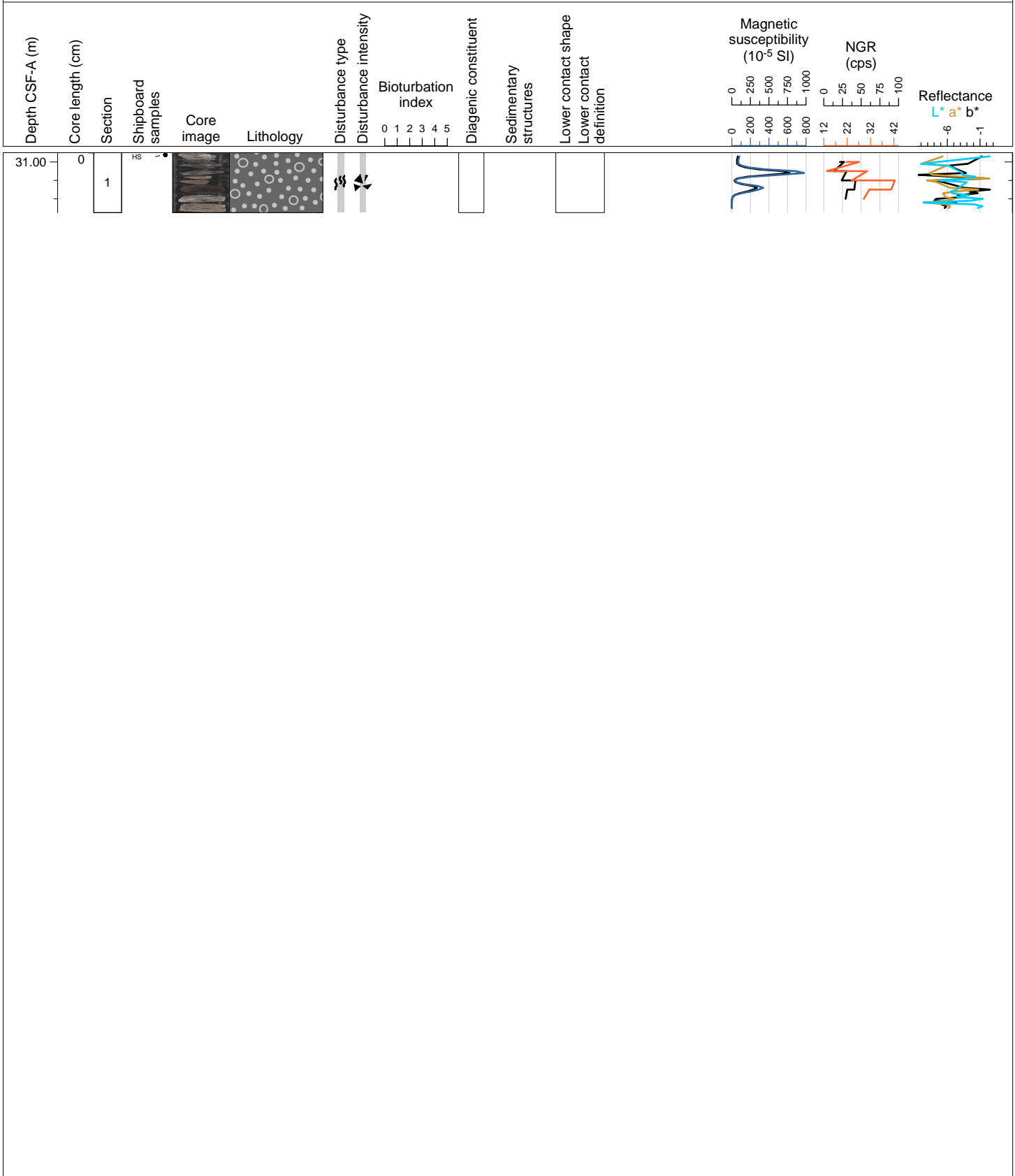
Hole 400-U1605A Core 6R, Interval 26.2-26.28 m (CSF-A)

Washed gravel composed of granite roughly 5 cm in diameter.



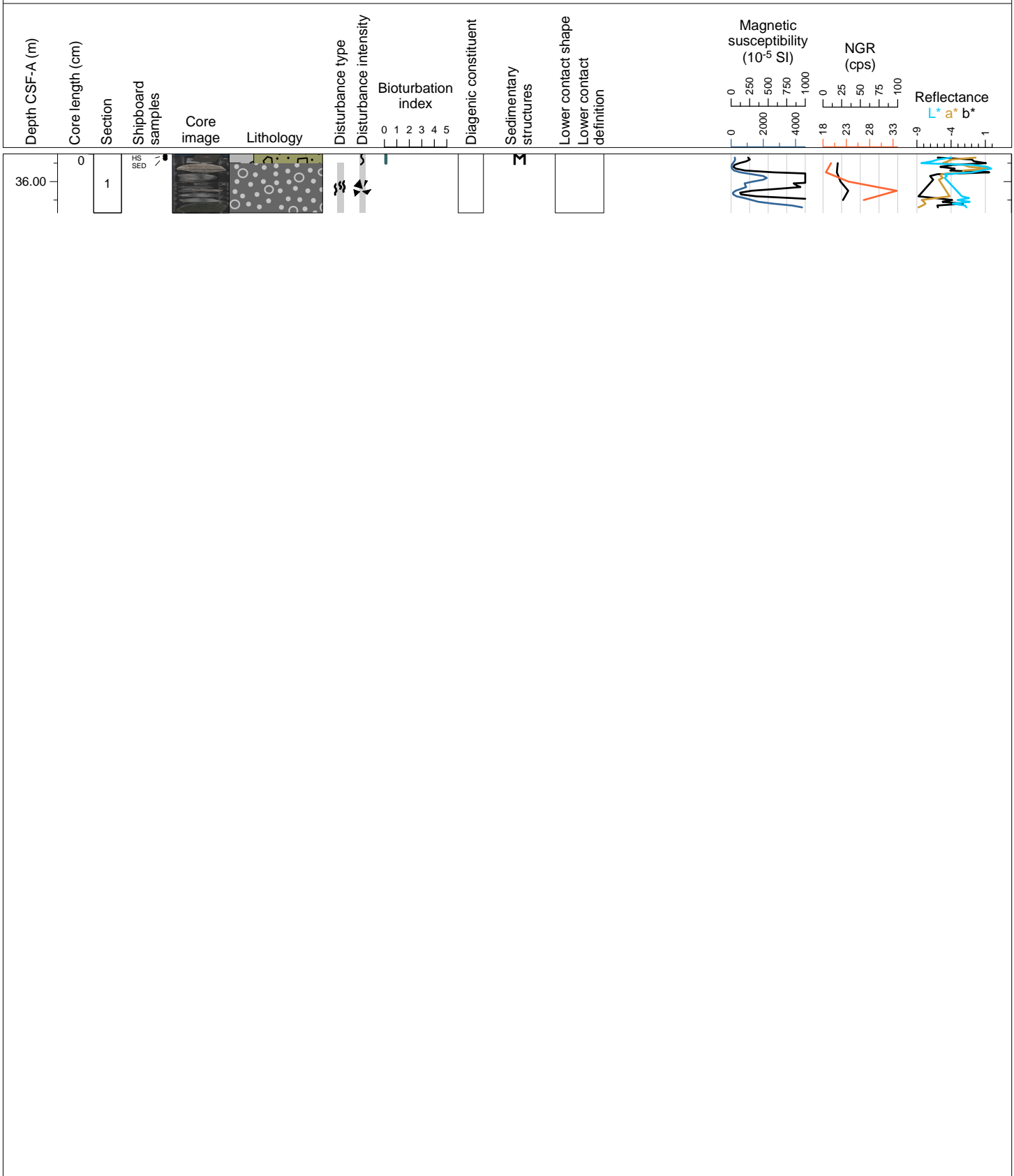
Hole 400-U1605A Core 7R, Interval 30.9-31.55 m (CSF-A)

Washed gravel. Clasts are up to 10 cm in length and are various granite and gneiss lithologies with one marble clast.



Hole 400-U1605A Core 8R, Interval 35.7-36.34 m (CSF-A)

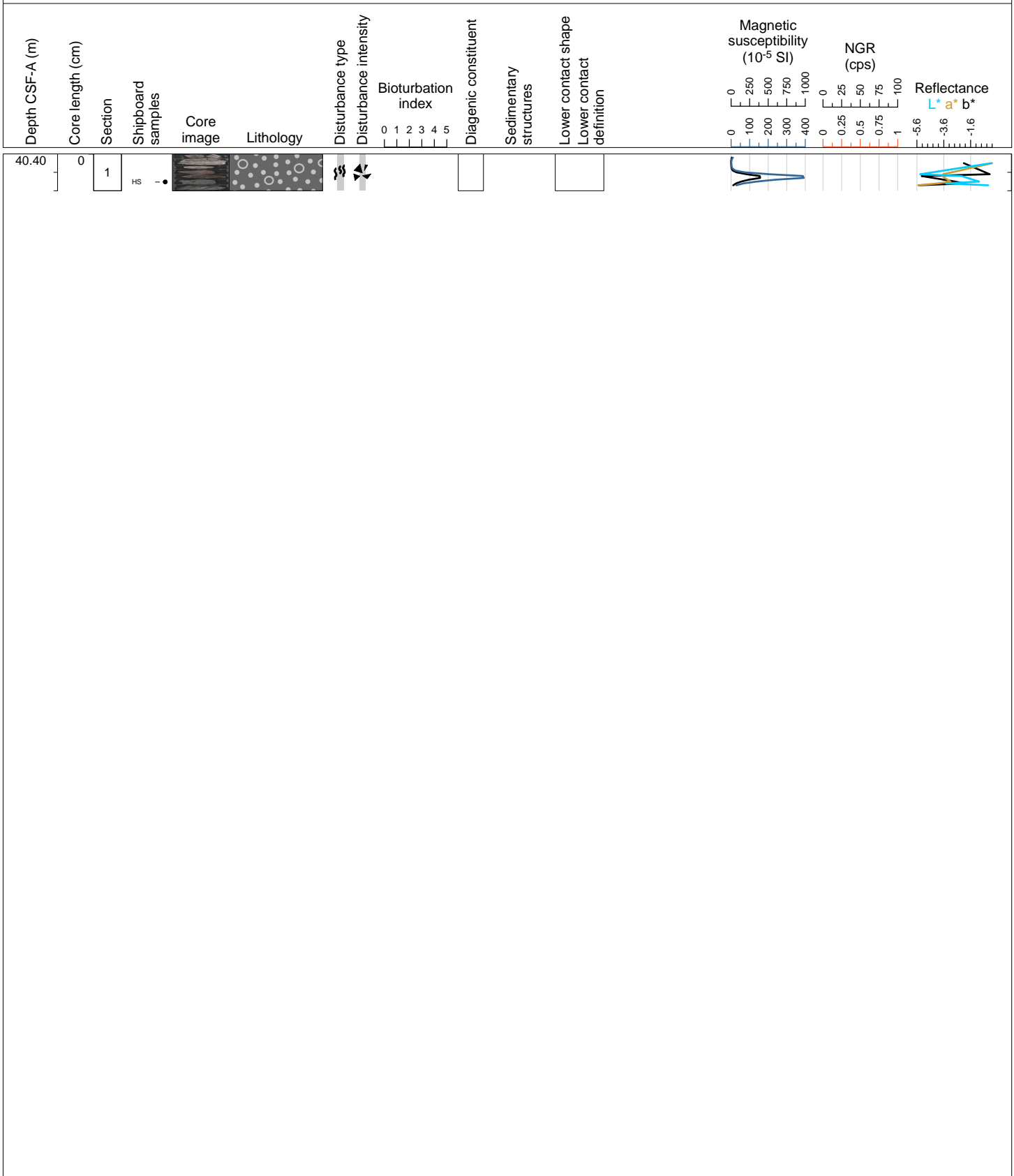
Dark greyish brown massive clast-poor muddy diamicton. Up to 10-cm long clasts of banded gneiss, gabbro, diorite and amphibolite occur as washed gravel.





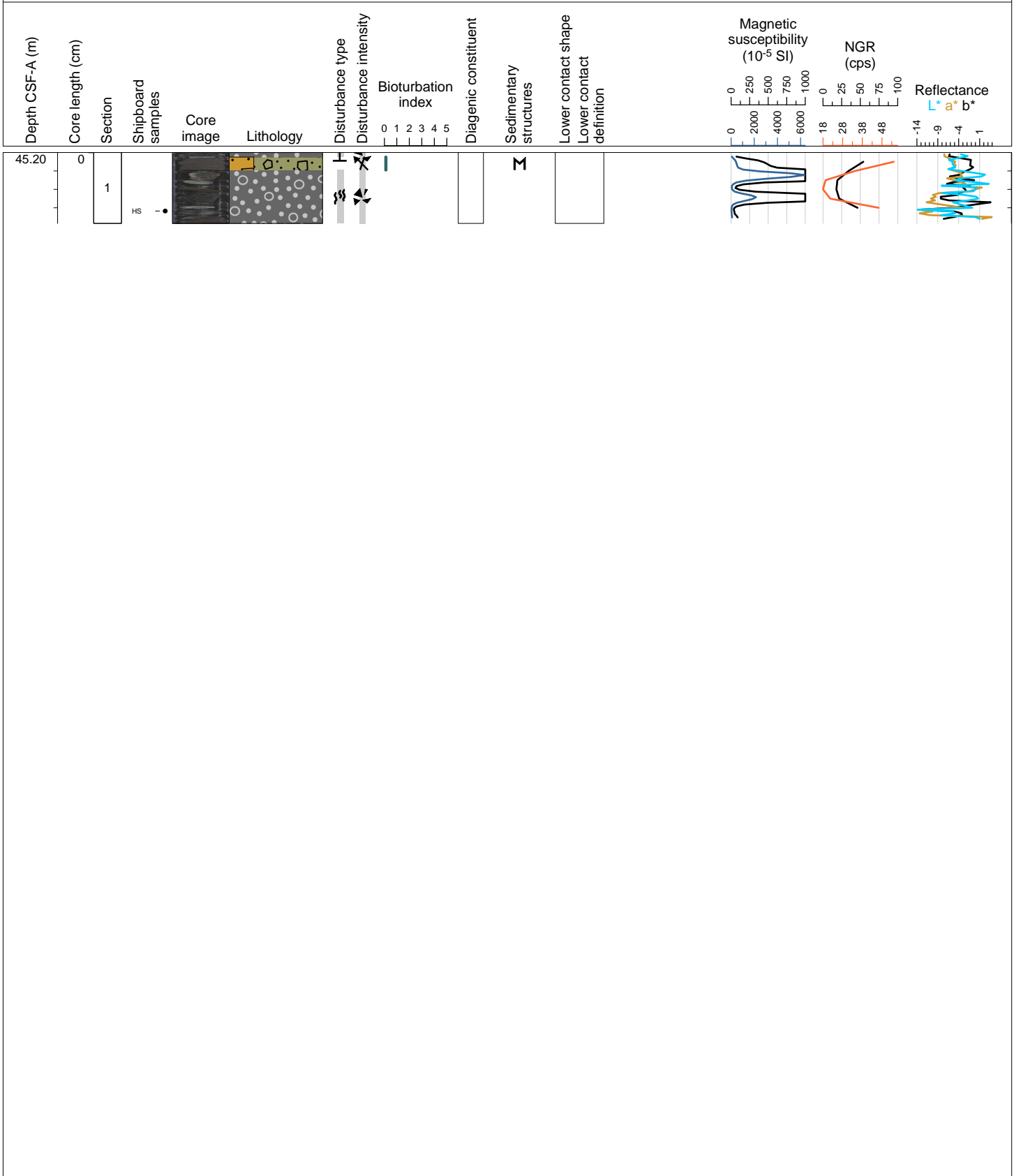
Hole 400-U1605A Core 9R, Interval 40.4-40.8 m (CSF-A)

Washed gravel, containing up to 7-cm long clasts of banded gneiss, veined granite, diorite, and diorite gneiss.



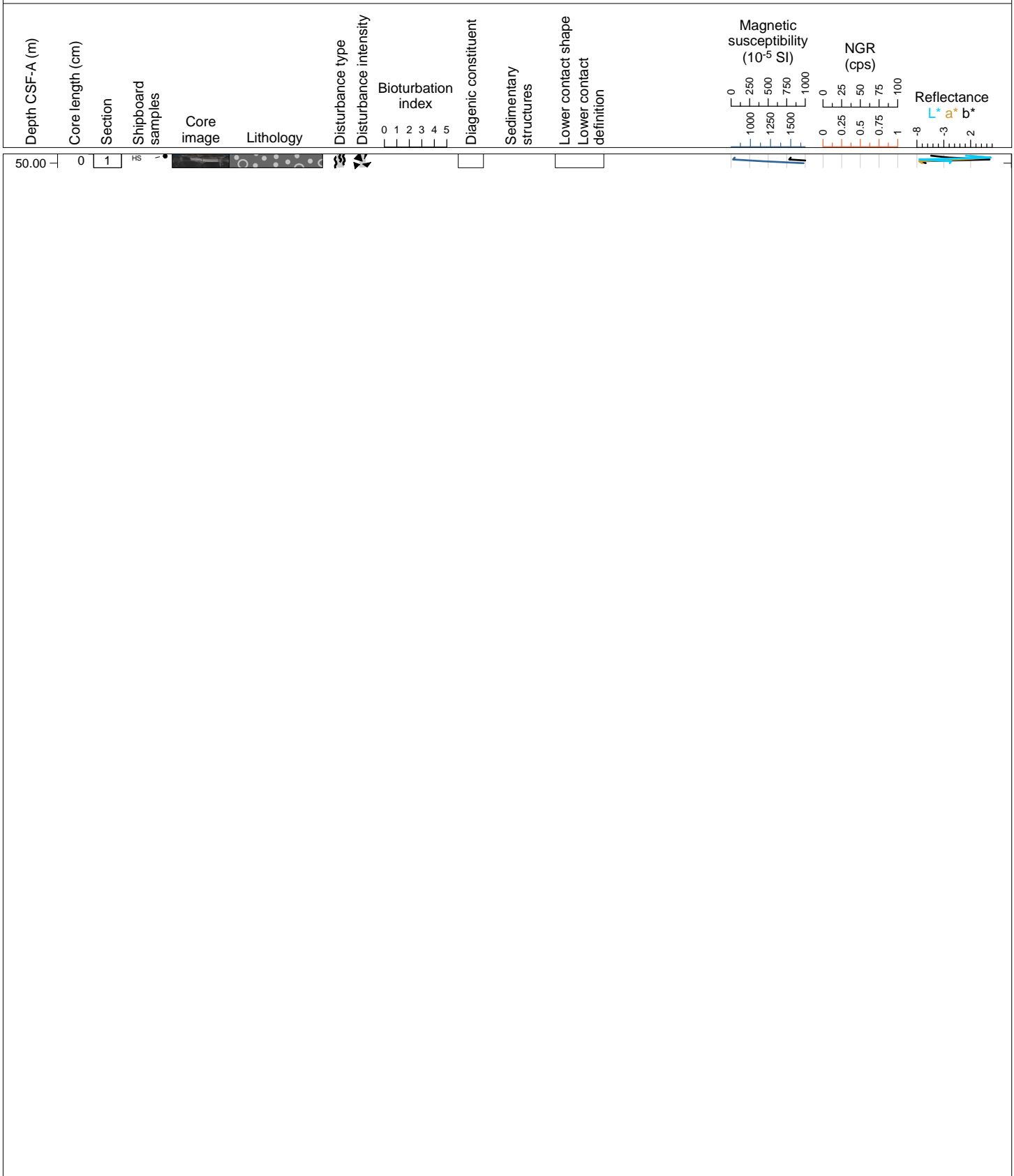
Hole 400-U1605A Core 10R, Interval 45.2-45.97 m (CSF-A)

Dark grey massive clast-poor sandy diamicton and washed gravel, containing up to 10-cm long clasts of amphibole-rich granite, grey diorite, fine arkose sandstone, and light-colored foliated gneiss.



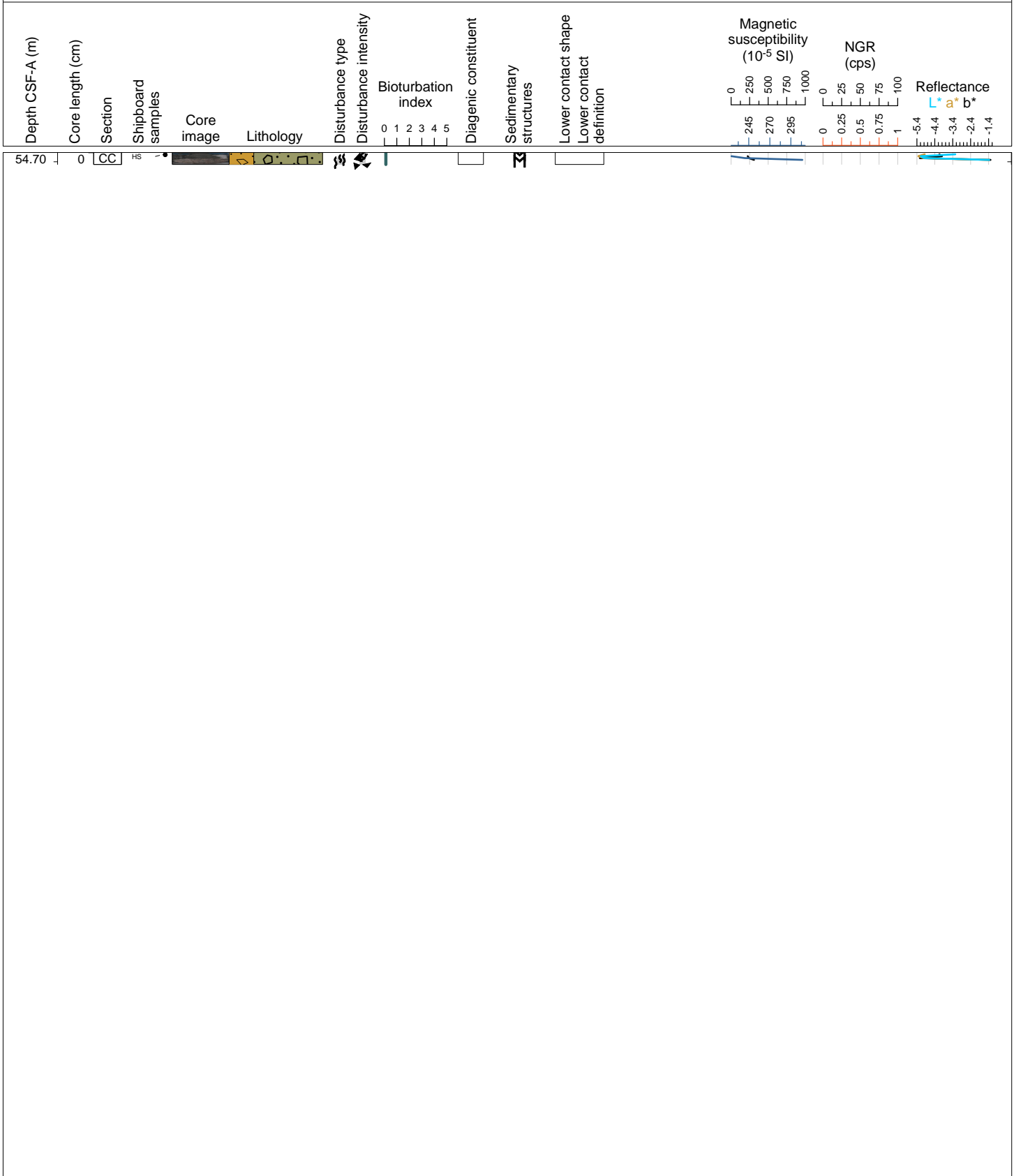
Hole 400-U1605A Core 11R, Interval 49.9-50.05 m (CSF-A)

Washed gravel. Up to 7-cm long clasts of foliated granitic gneiss and gabbro.



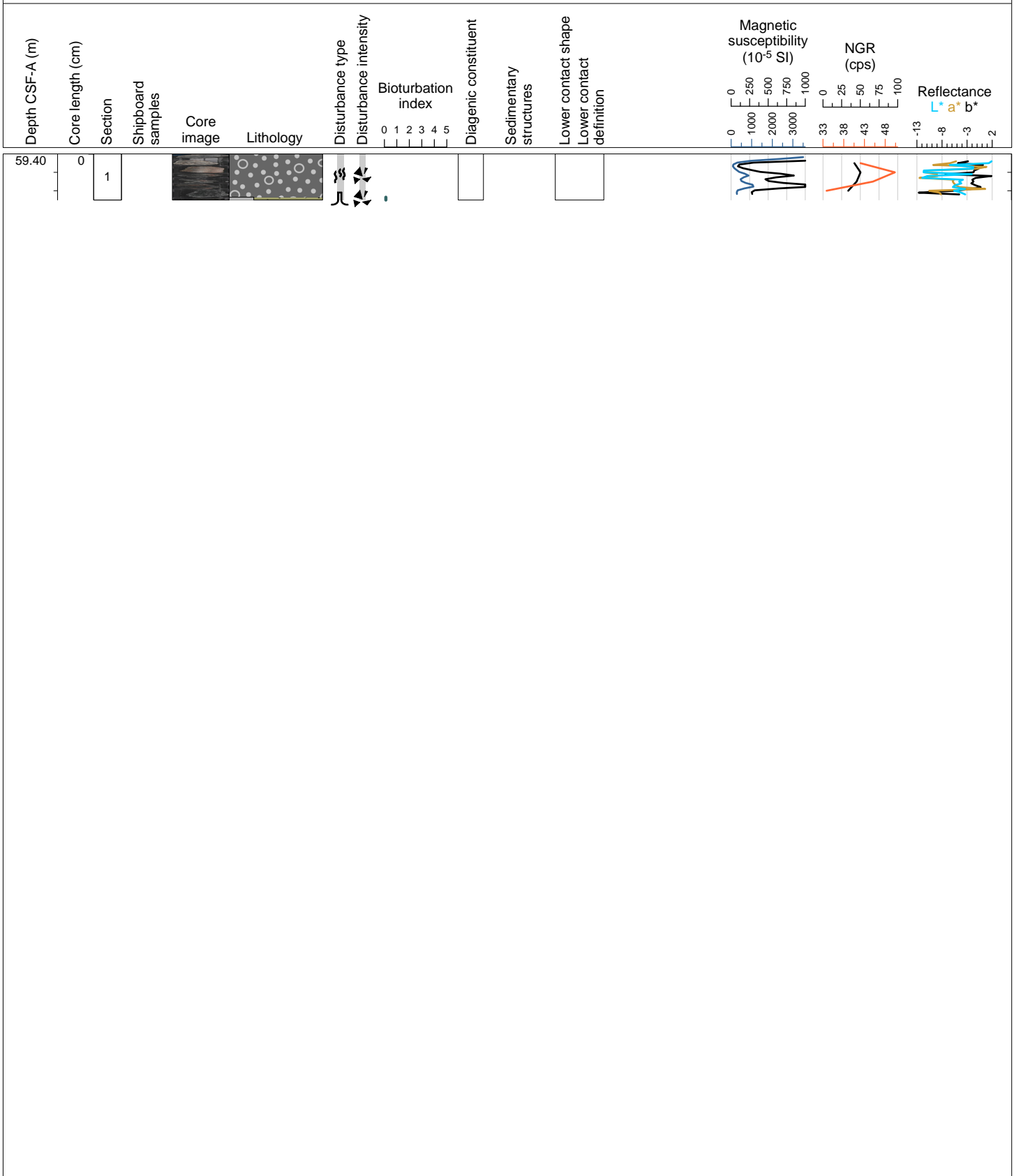
Hole 400-U1605A Core 12R, Interval 54.7-54.83 m (CSF-A)

Dark grey clast-rich sandy diamicton. One 6-cm clast of dark foliated granitic gneiss.



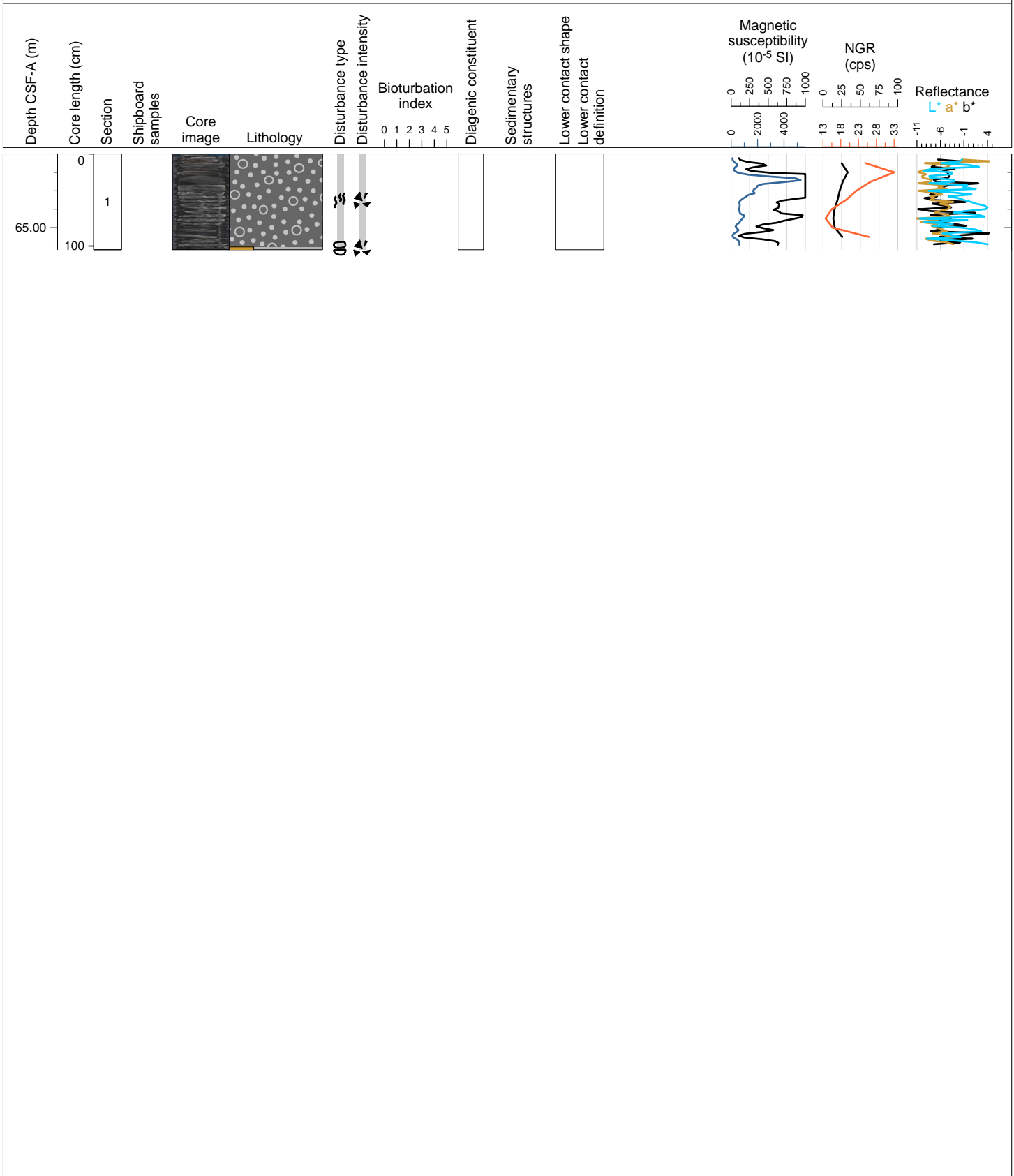
Hole 400-U1605A Core 13R, Interval 59.4-59.9 m (CSF-A)

Dark grey clast-rich muddy diamicton (< 10 cc of matrix) and up to 7-cm long clasts of banded and foliated gneiss, granodiorite, and a garnet-bearing felsic metamorphic lithology.



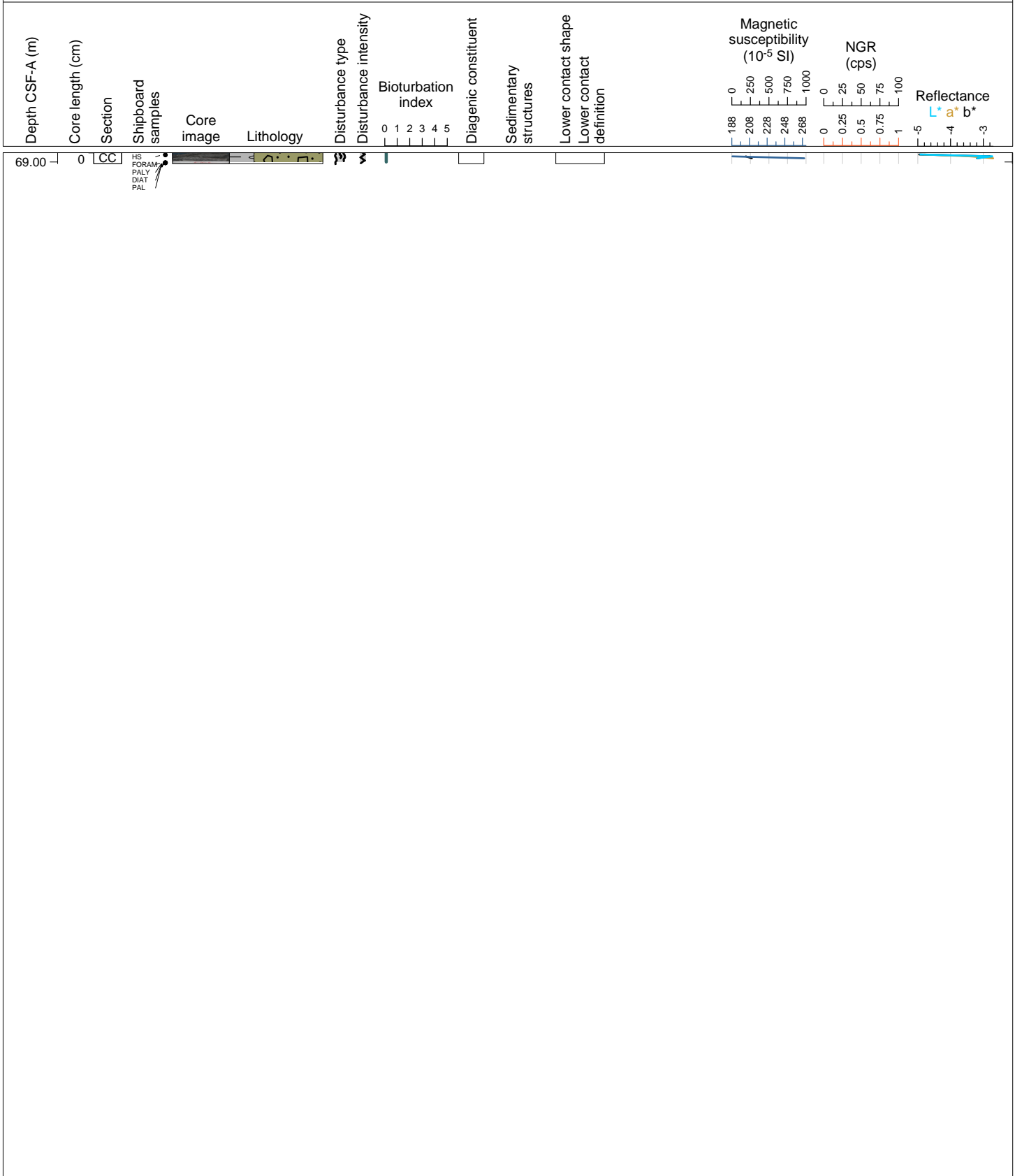
Hole 400-U1605A Core 14R, Interval 64.2-65.24 m (CSF-A)

Washed gravel of up to 5 cm long clasts of foliated gneiss, granite and amphibolite and a 3 cm partial core of unlithified dark grey sandy mud.



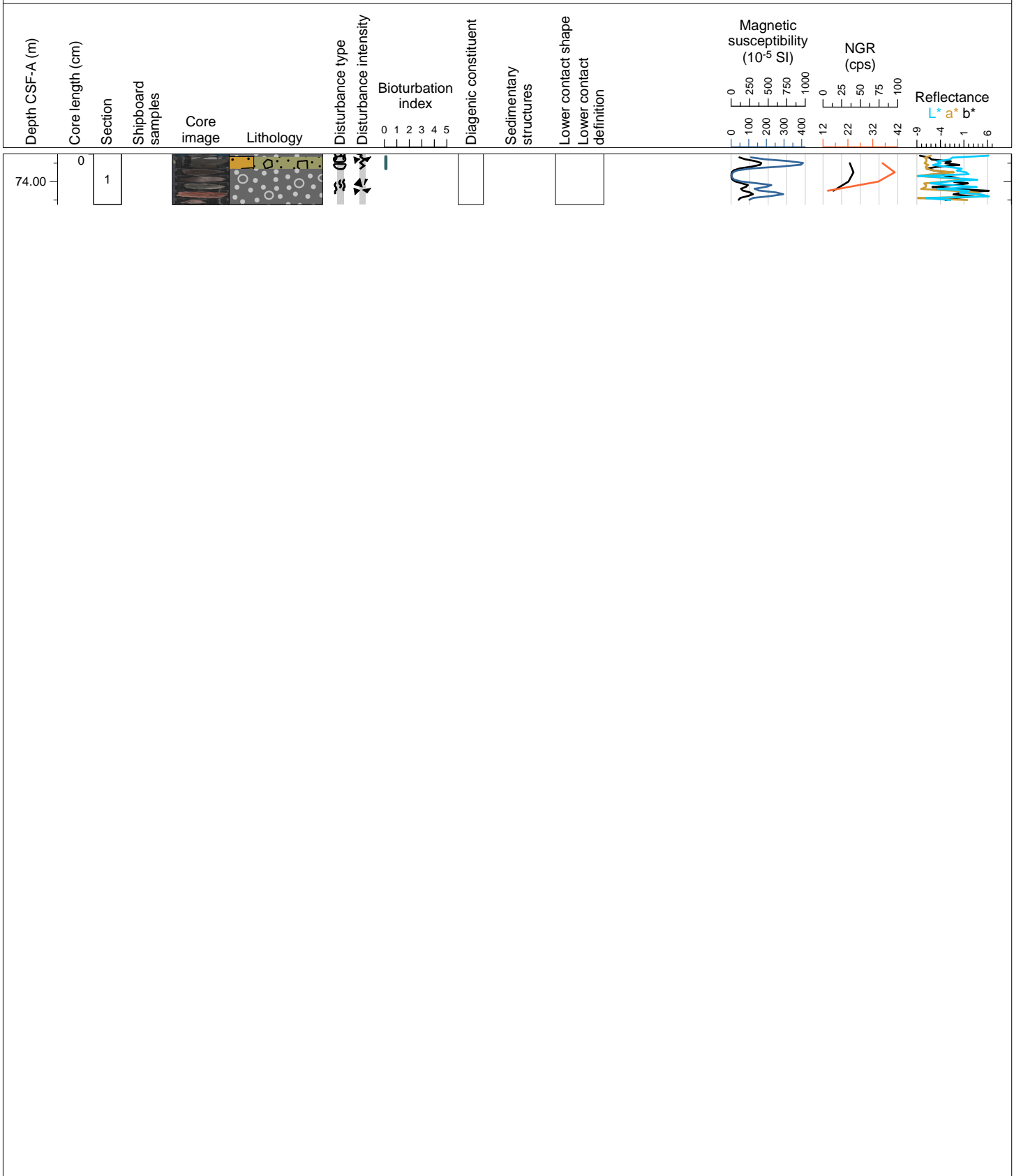
Hole 400-U1605A Core 15R, Interval 68.9-69.02 m (CSF-A)

Dark greenish grey clast-rich muddy diamicton. Washed gravel includes 2 granite clasts of pebble size greater than 5 cm in diameter. No bioturbation observed in the sandy mud.



Hole 400-U1605A Core 16R, Interval 73.7-74.25 m (CSF-A)

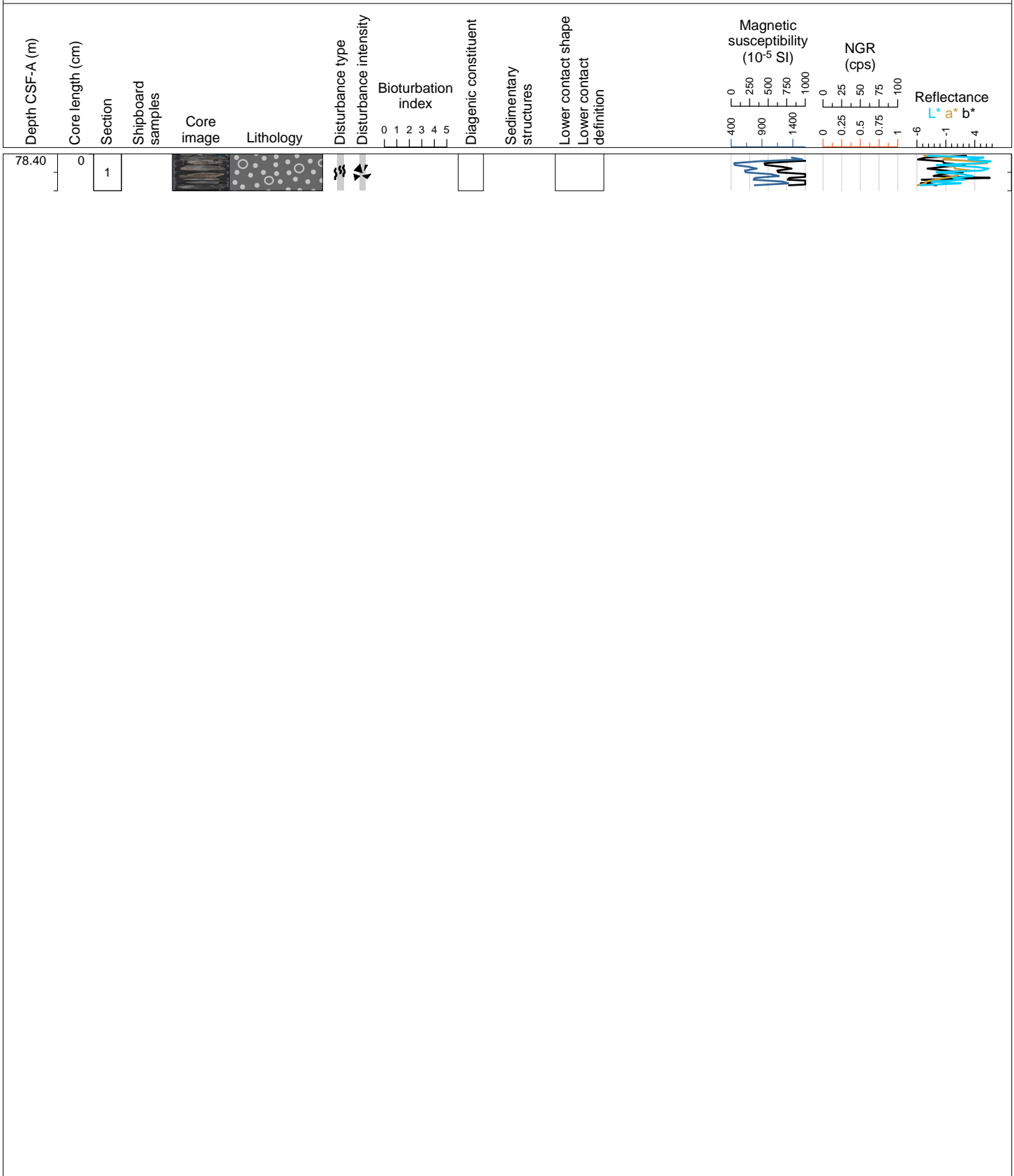
Washed gravel of up to 5 cm long clasts of foliated gneiss and granite to granodiorite. A 13 cm interval of dark greenish-grey clast poor sandy diamict.





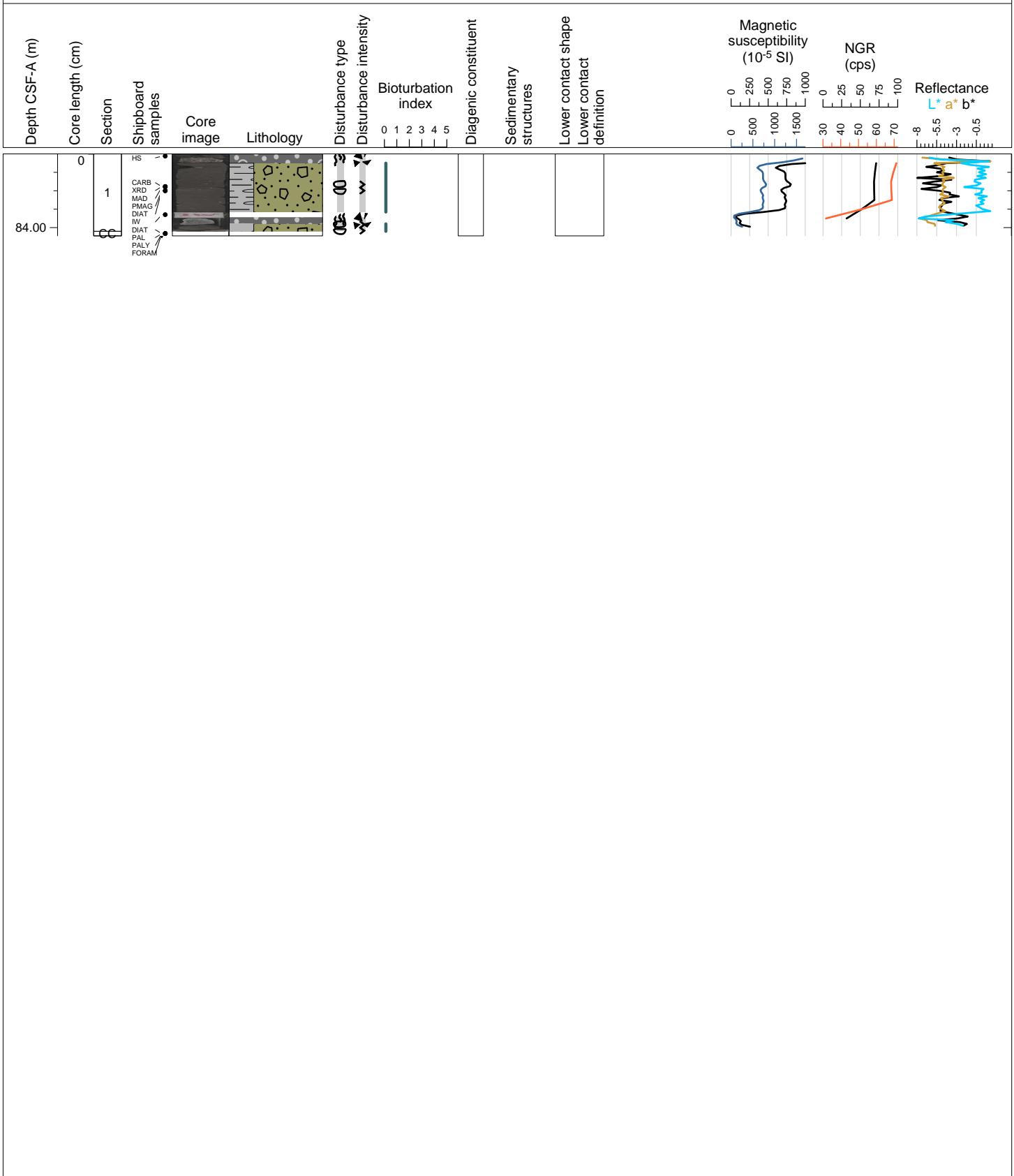
Hole 400-U1605A Core 17R, Interval 78.4-78.8 m (CSF-A)

Washed gravel. Up to 5 cm long clasts of foliated gneiss and granite to granodiorite.



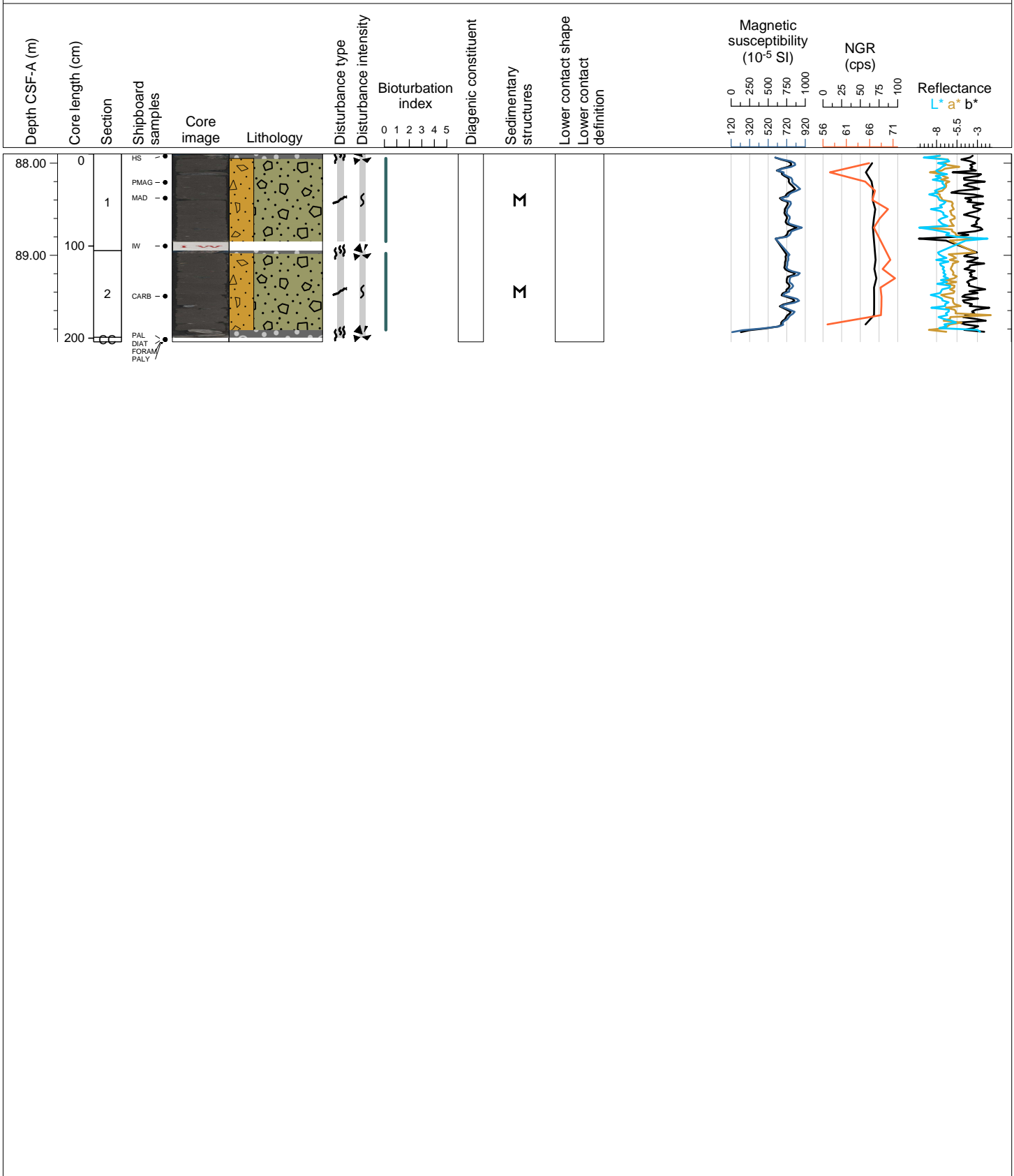
Hole 400-U1605A Core 18R, Interval 83.2-84.09 m (CSF-A)

Dark grey clast-poor muddy diamicton, with a discontinuous mud lens at 42 cm in Section 1 and washed gravel of up to 7-cm long clasts of foliated granitic gneiss and gabbro.



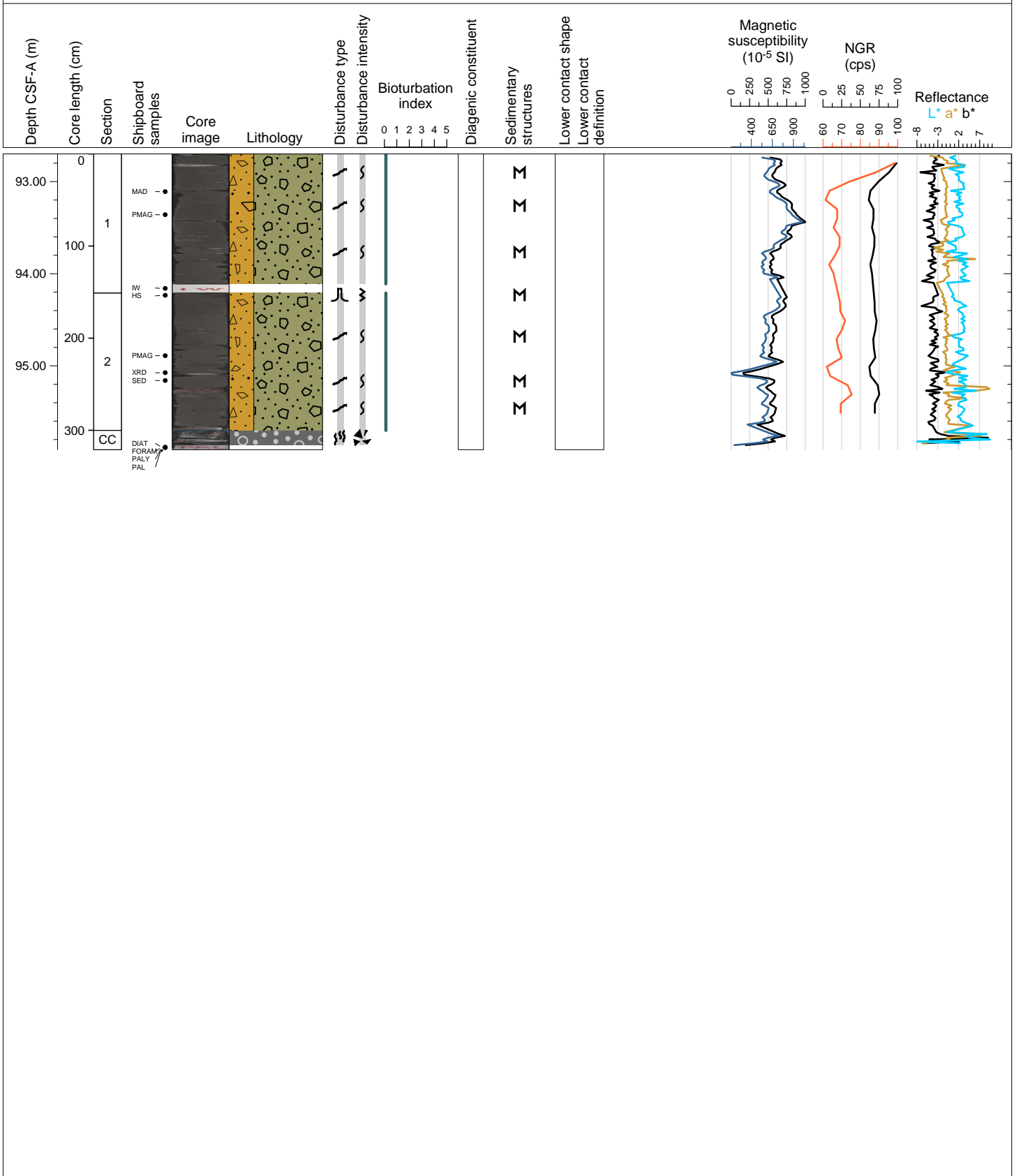
Hole 400-U1605A Core 19R, Interval 87.9-89.94 m (CSF-A)

Dark greyish brown, clast-rich sandy diamicton. Contains clasts up to 4 cm in diameter, mainly gneiss and granite. Washed gravel at top of Section 1 and top and bottom of Section 2.



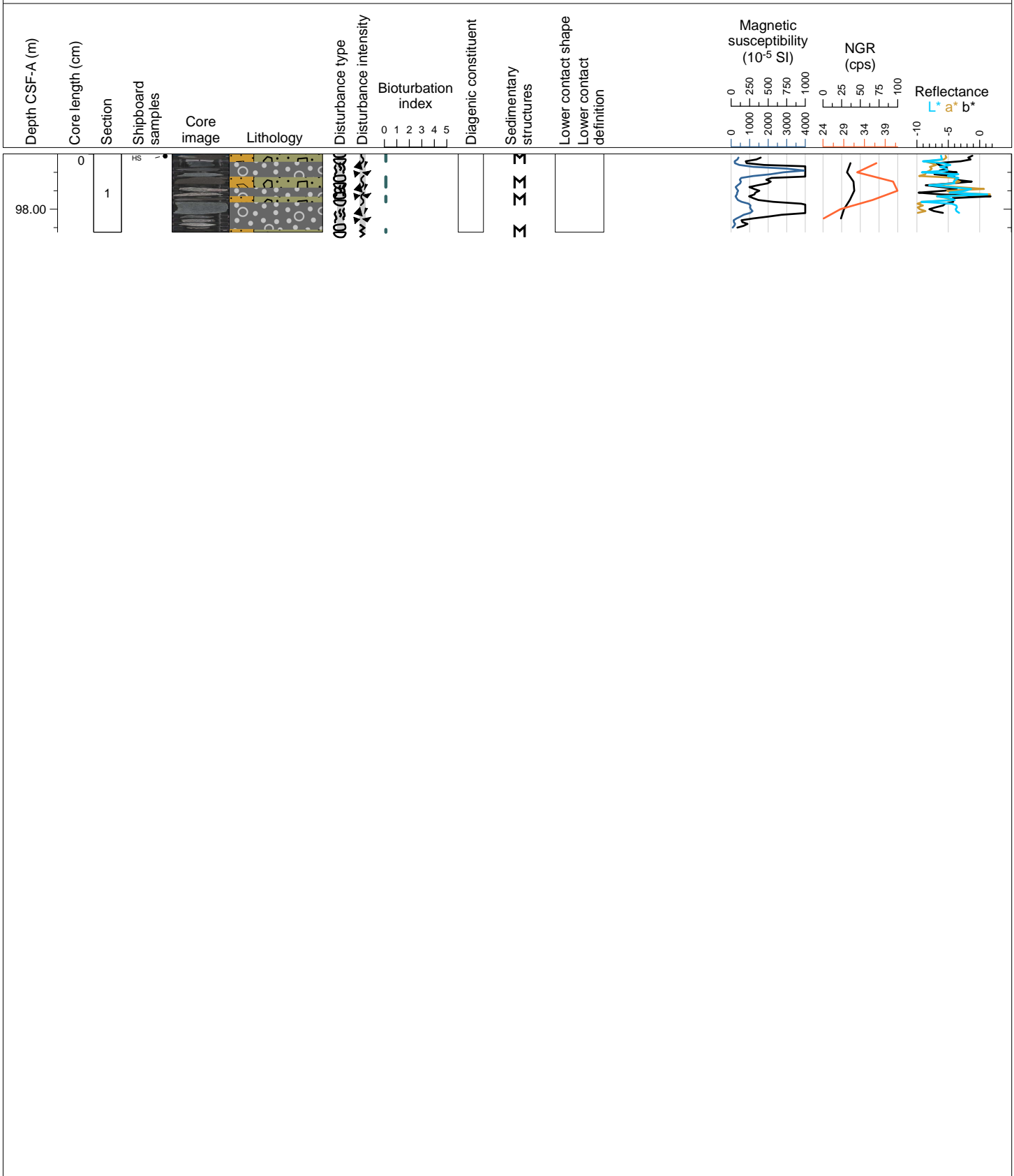
Hole 400-U1605A Core 20R, Interval 92.7-95.91 m (CSF-A)

Dark greyish brown, clast-poor and clast-rich sandy diamicton. Contains clasts up to 6 cm in diameter, mainly gneiss and granite. Washed gravel in the core catcher. Flow in at the top of Section 2. No observable bioturbation.



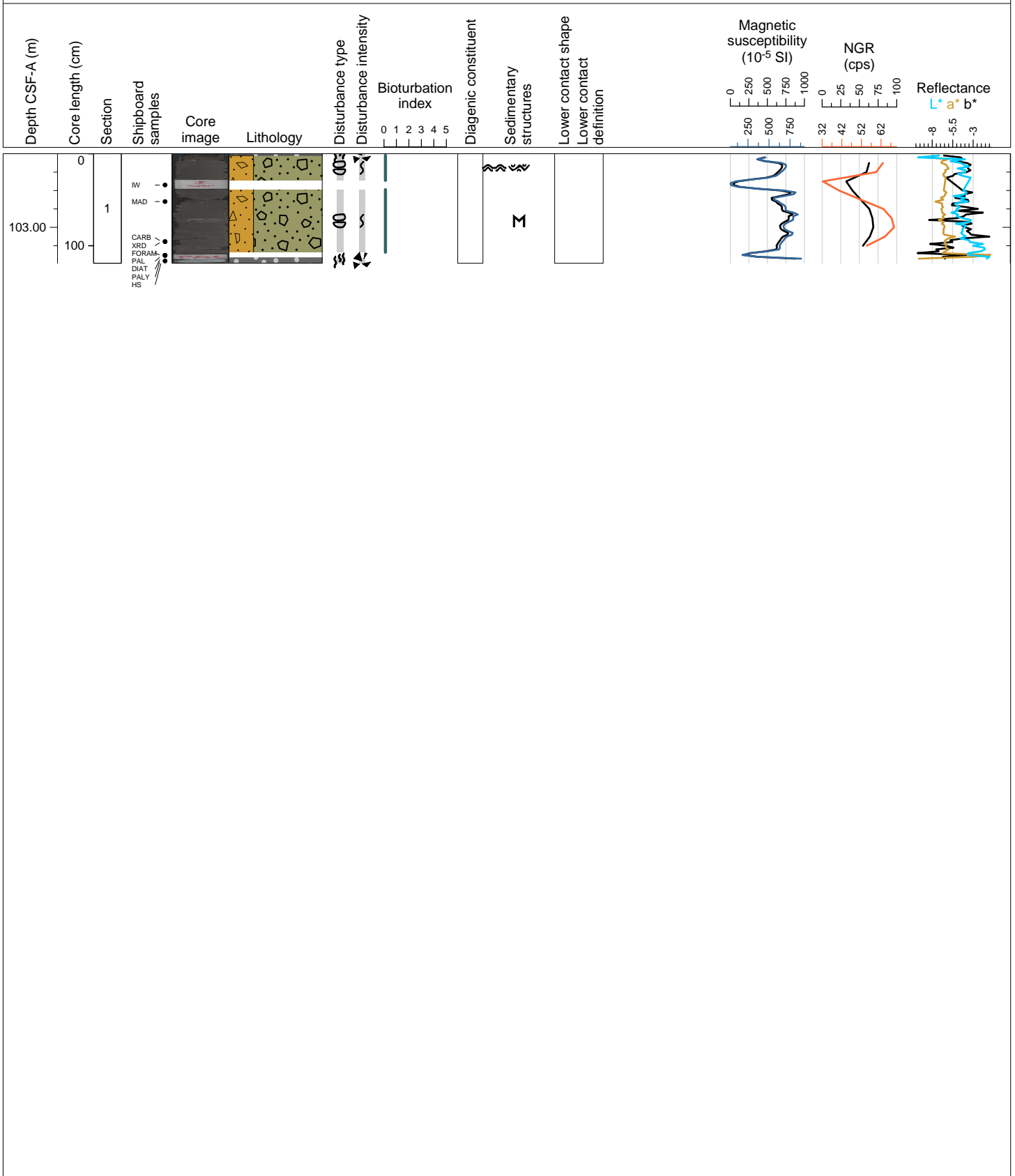
Hole 400-U1605A Core 21R, Interval 97.4-98.25 m (CSF-A)

Washed gravel (pebbles to cobbles of igneous and metamorphic rocks) with thin intervals of dark grey sandy clast-rich diamicton and muddy clast-rich diamicton. Bioturbation is absent.



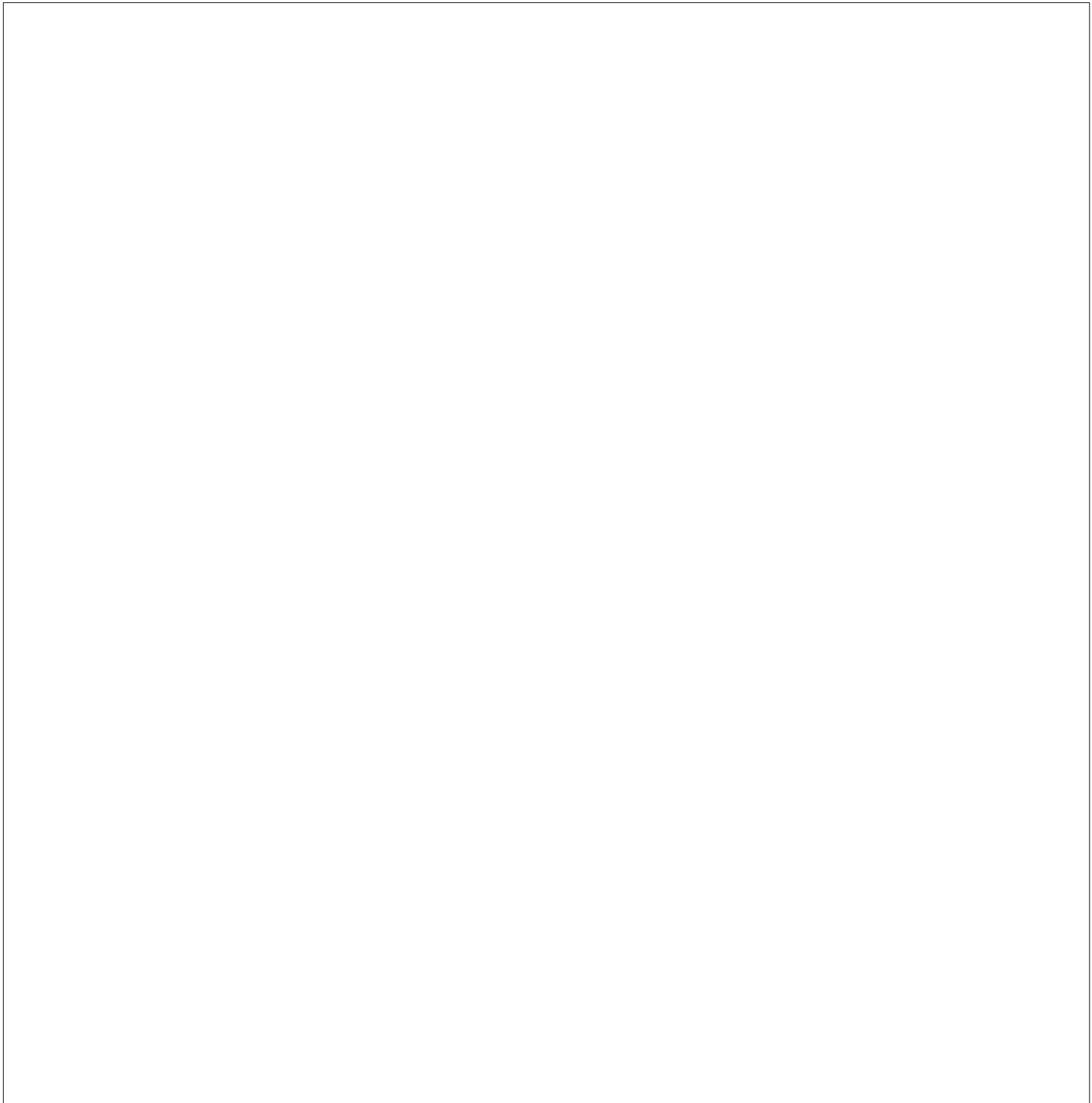
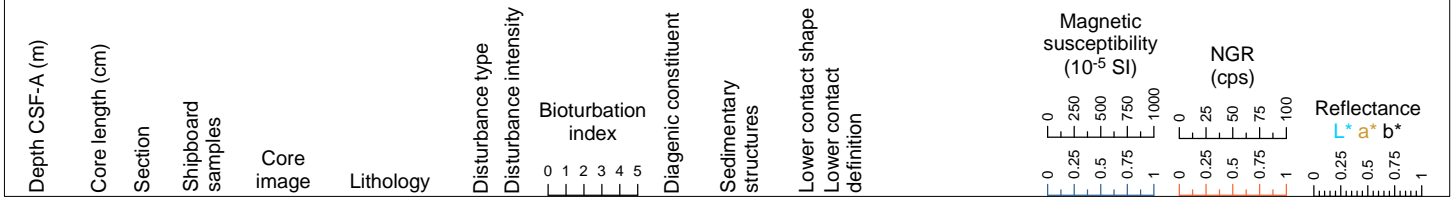
Hole 400-U1605A Core 22R, Interval 102.2-103.39 m (CSF-A)

Dark greyish brown clast-rich, sandy diamicton with some 2 cm thick clast poor lenses and a single instance of syn-sedimentary folding at the top of Section 1. Washed gravel (pebbles) of granite and metamorphic rock types are also present.



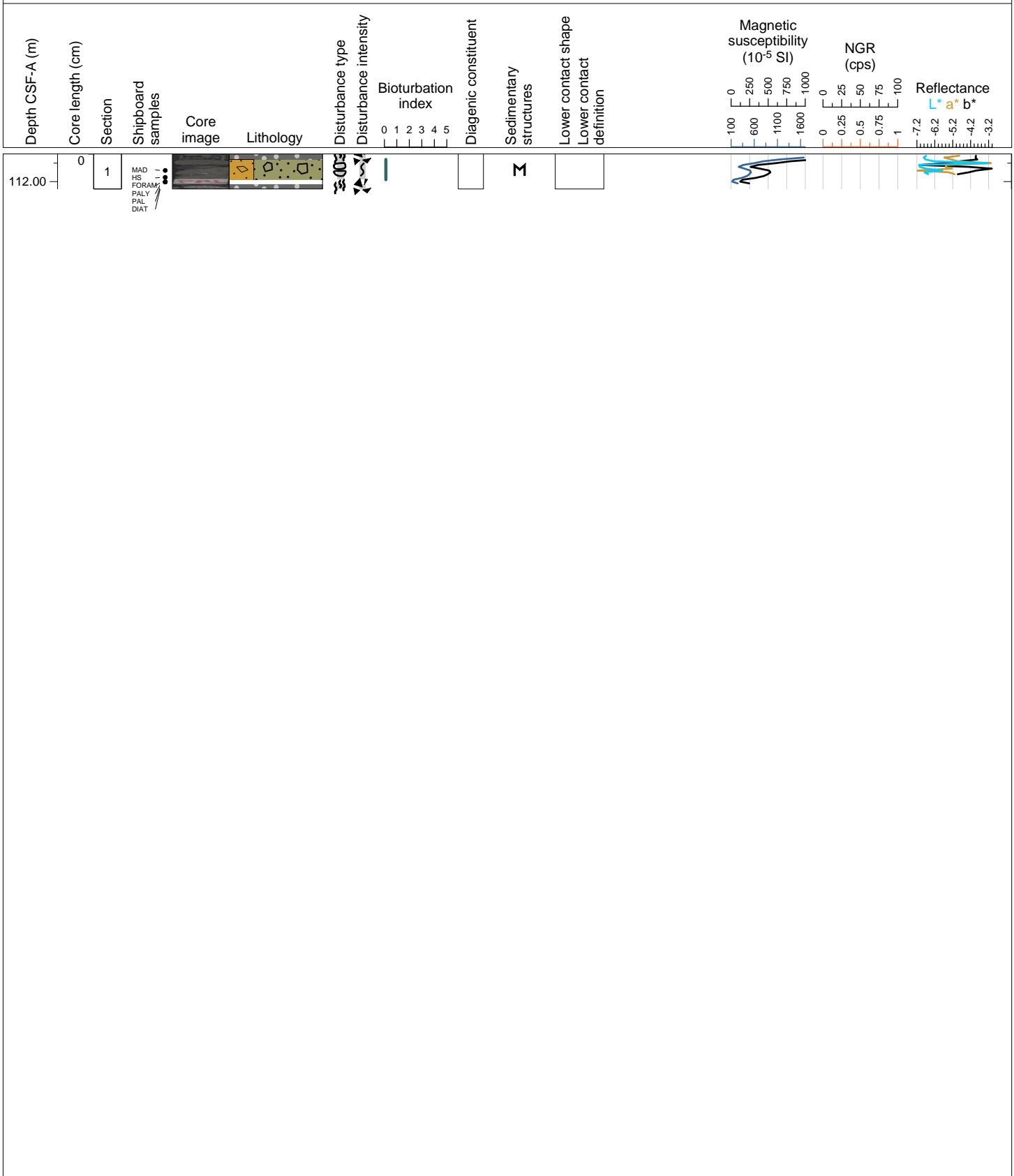
Hole 400-U1605A Core 23R, Interval 106.9-106.9 m (CSF-A)

NO RECOVERY 106.90-111.70 m



Hole 400-U1605A Core 24R, Interval 111.7-112.08 m (CSF-A)

Dark greyish brown clast-rich, sandy diamicton with washed gravel (pebbles) of granite and metamorphic rock types.





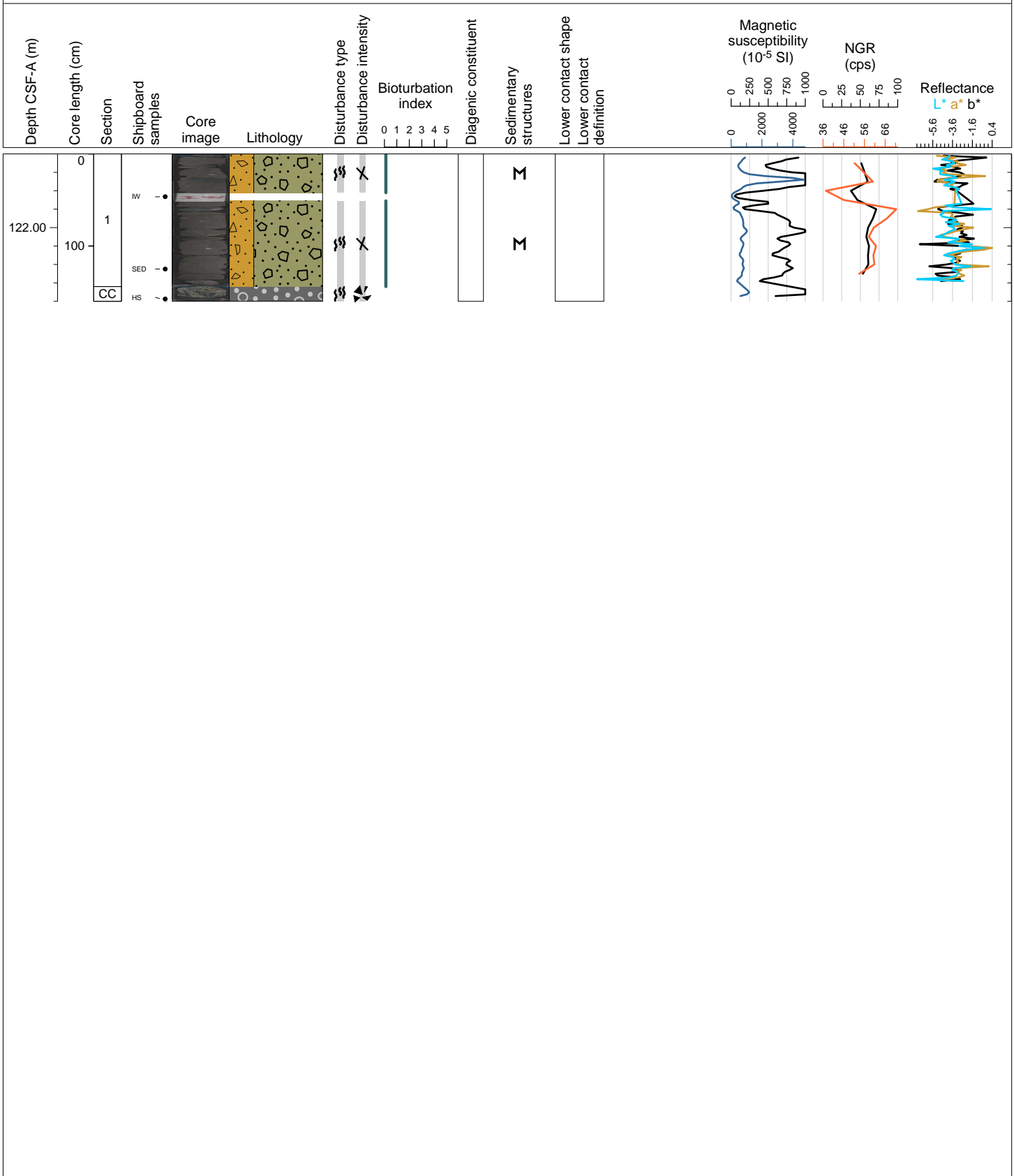
Hole 400-U1605A Core 25R, Interval 116.4-116.6 m (CSF-A)

Washed gravel, granite and metamorphic rock pebbles.



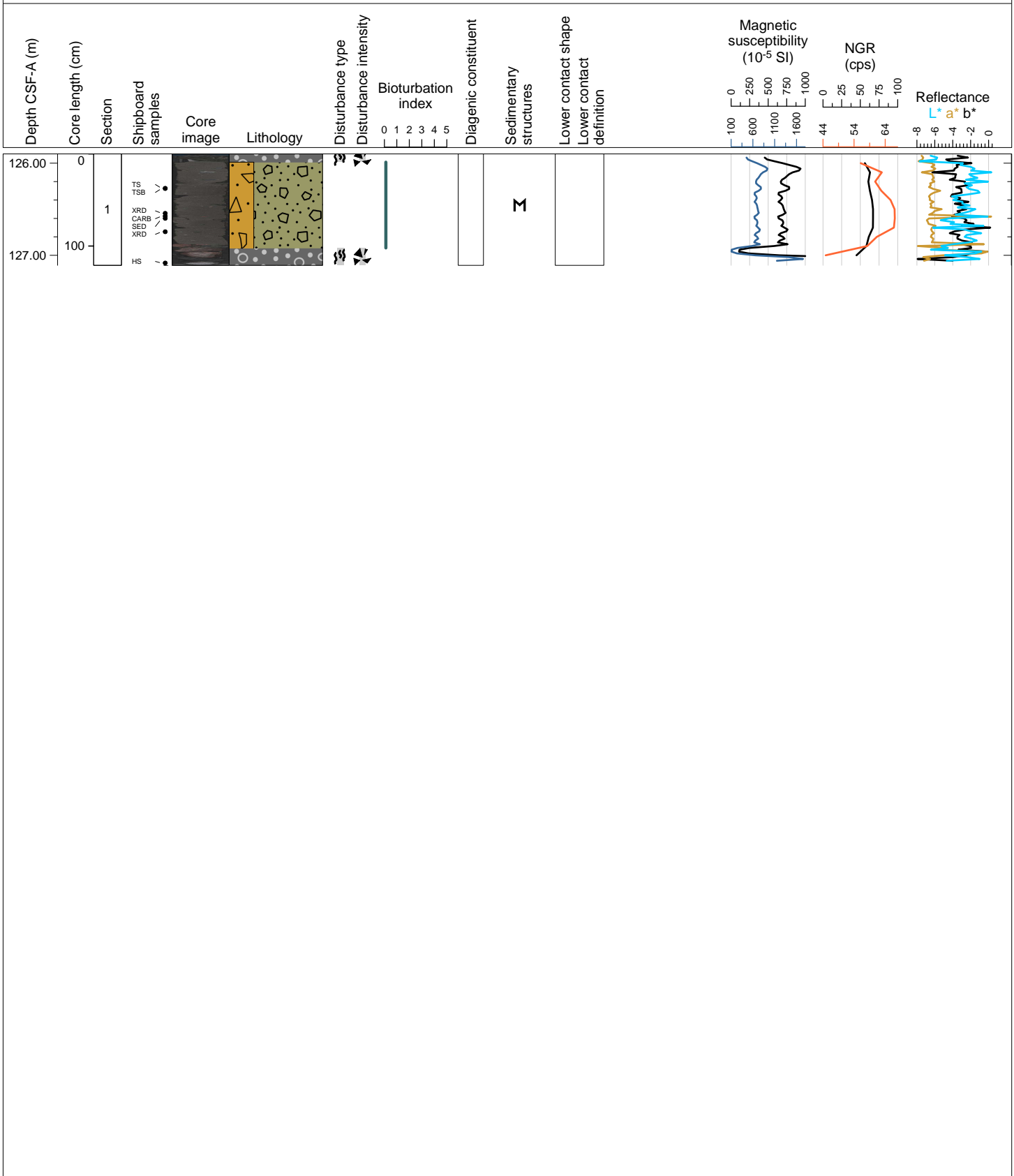
Hole 400-U1605A Core 26R, Interval 121.2-122.8 m (CSF-A)

Dark grey clast-rich sandy diamicton. Clast abundance decreases slightly upward. Clasts > 1 cm in size are subrounded to angular in shape and include banded granitic gneiss and garnet-bearing mafic granulite.



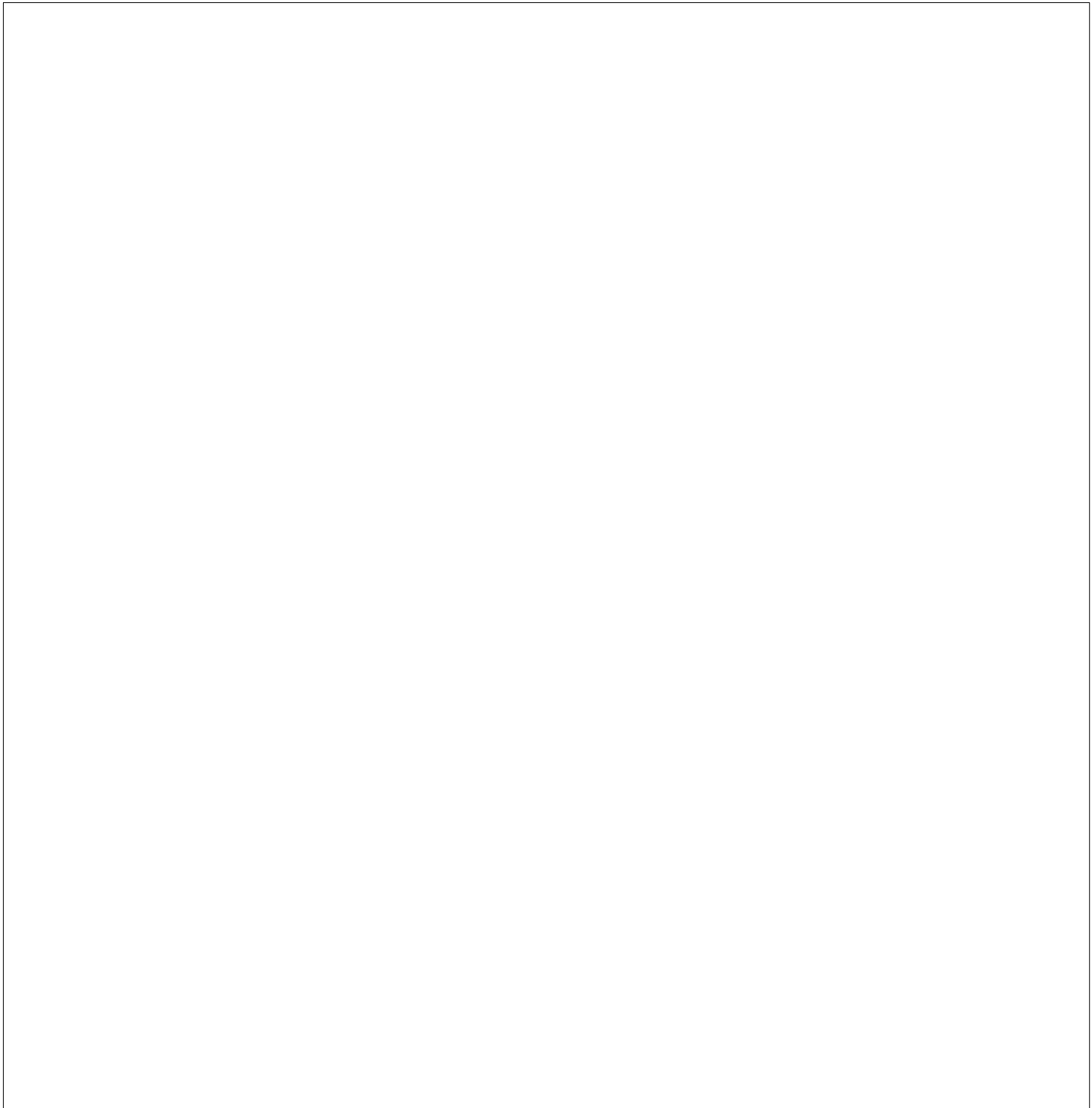
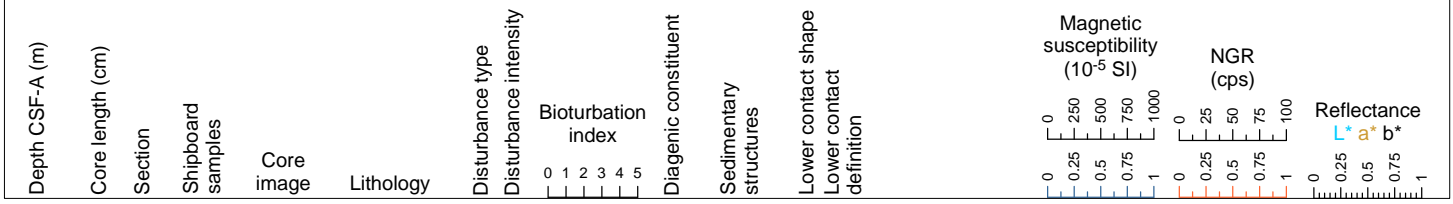
Hole 400-U1605A Core 27R, Interval 125.9-127.11 m (CSF-A)

Dark brown, massive clast-poor, sandy diamicton with washed gravel at the top and bottom. Washed clasts are up to 6 cm in diameter and are of similar lithologies to those in the diamicton (mostly felsic gneisses).



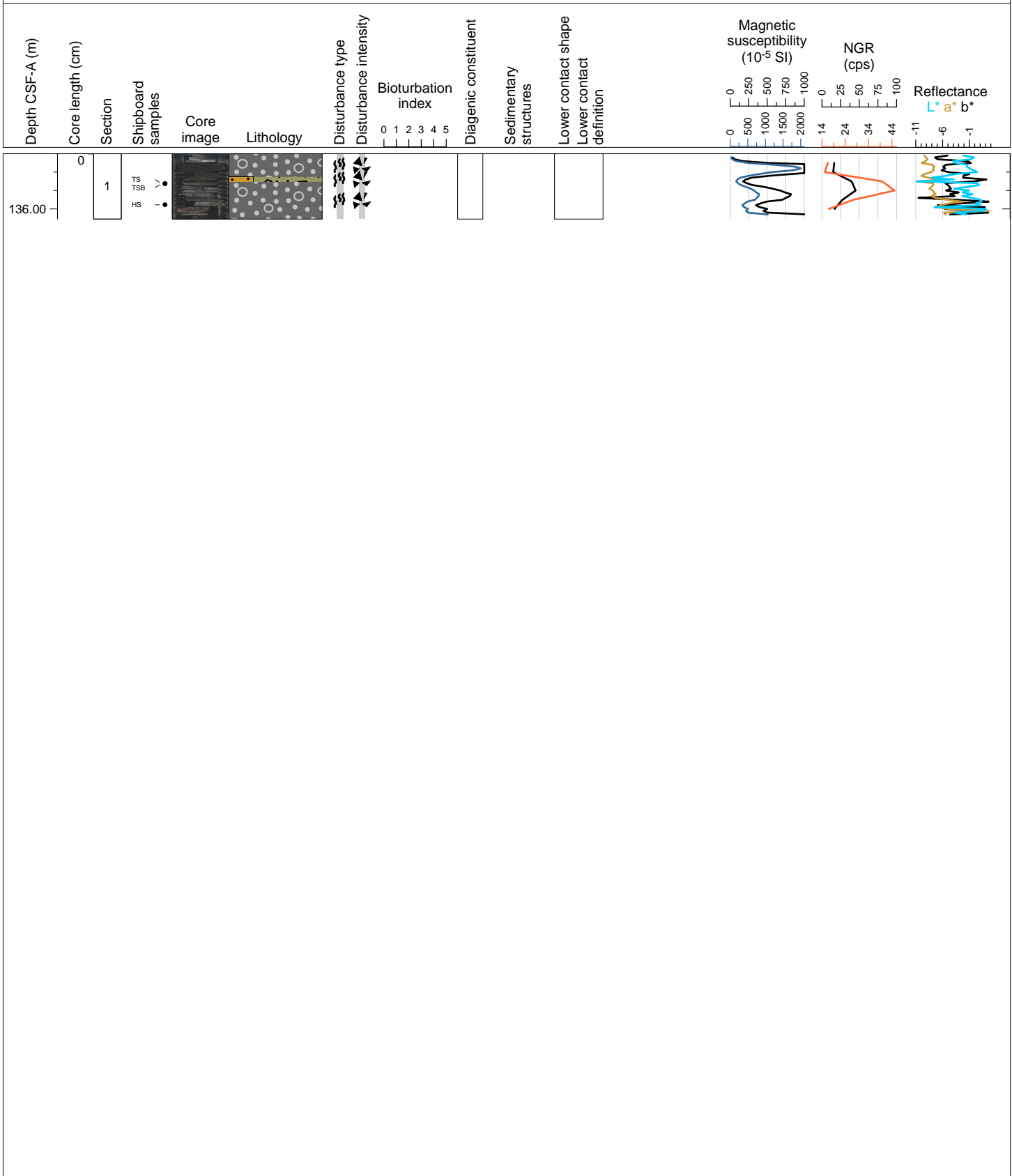
Hole 400-U1605A Core 28R, Interval 130.7-130.7 m (CSF-A)

NO RECOVERY 130.70-135.40 m



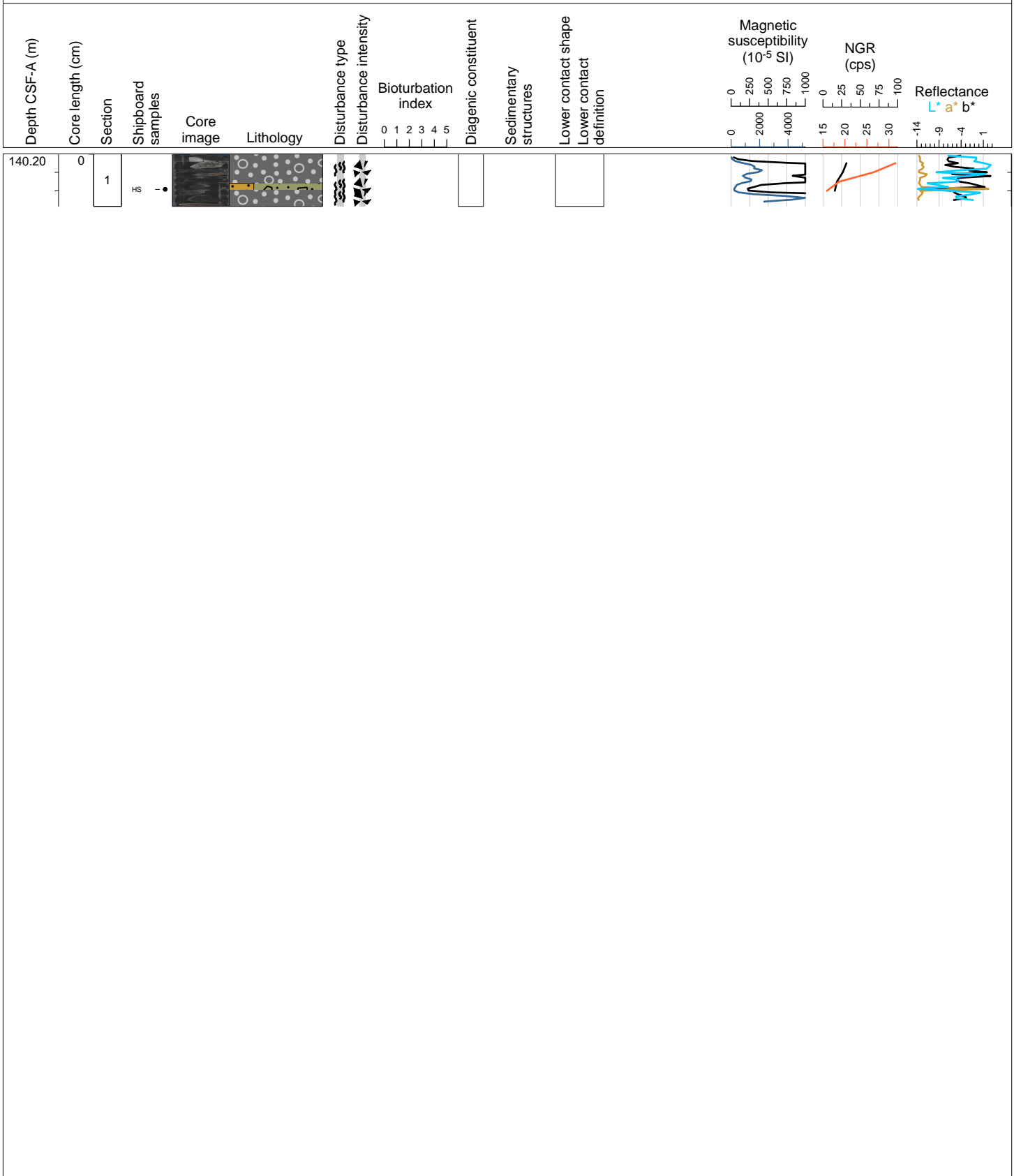
Hole 400-U1605A Core 29R, Interval 135.4-136.11 m (CSF-A)

Washed gravel of up to 10 cm long clasts composed of gneiss, granite, an intermediate to mafic igneous rock, and one limestone clast. One 4 cm long piece of clast-poor sandy diamicton is also present. Bioturbation is absent.



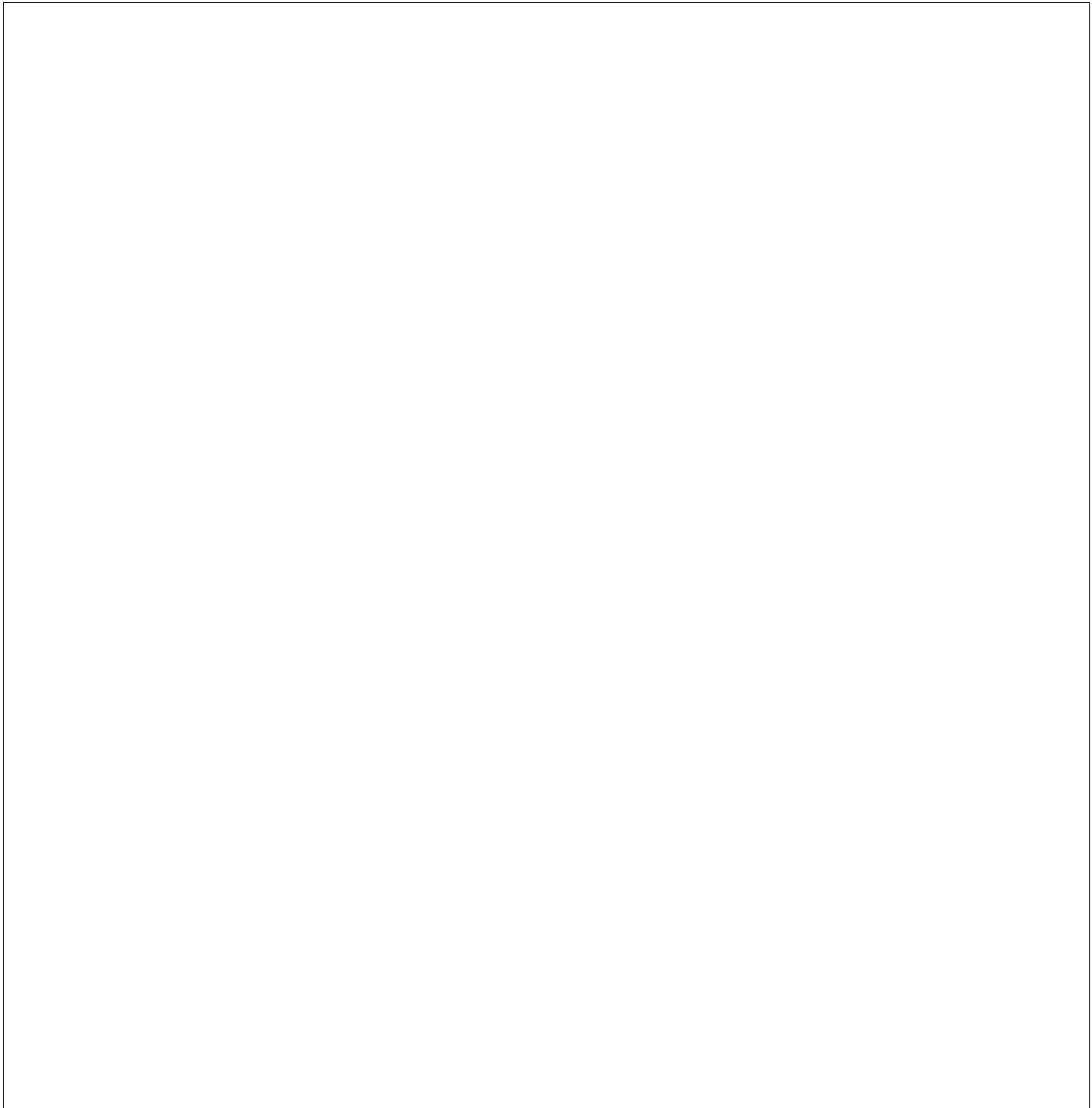
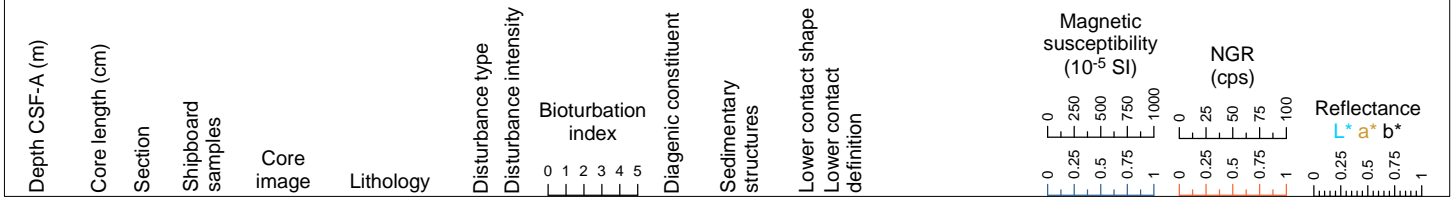
Hole 400-U1605A Core 30R, Interval 140.2-140.77 m (CSF-A)

Washed gravel of up to 8 cm long clasts composed of gneiss an intermediate to mafic igneous rock, and a grey, fine-grained igneous rock. One 5 cm long piece of clast-poor sandy diamicton is also present. Bioturbation is absent.



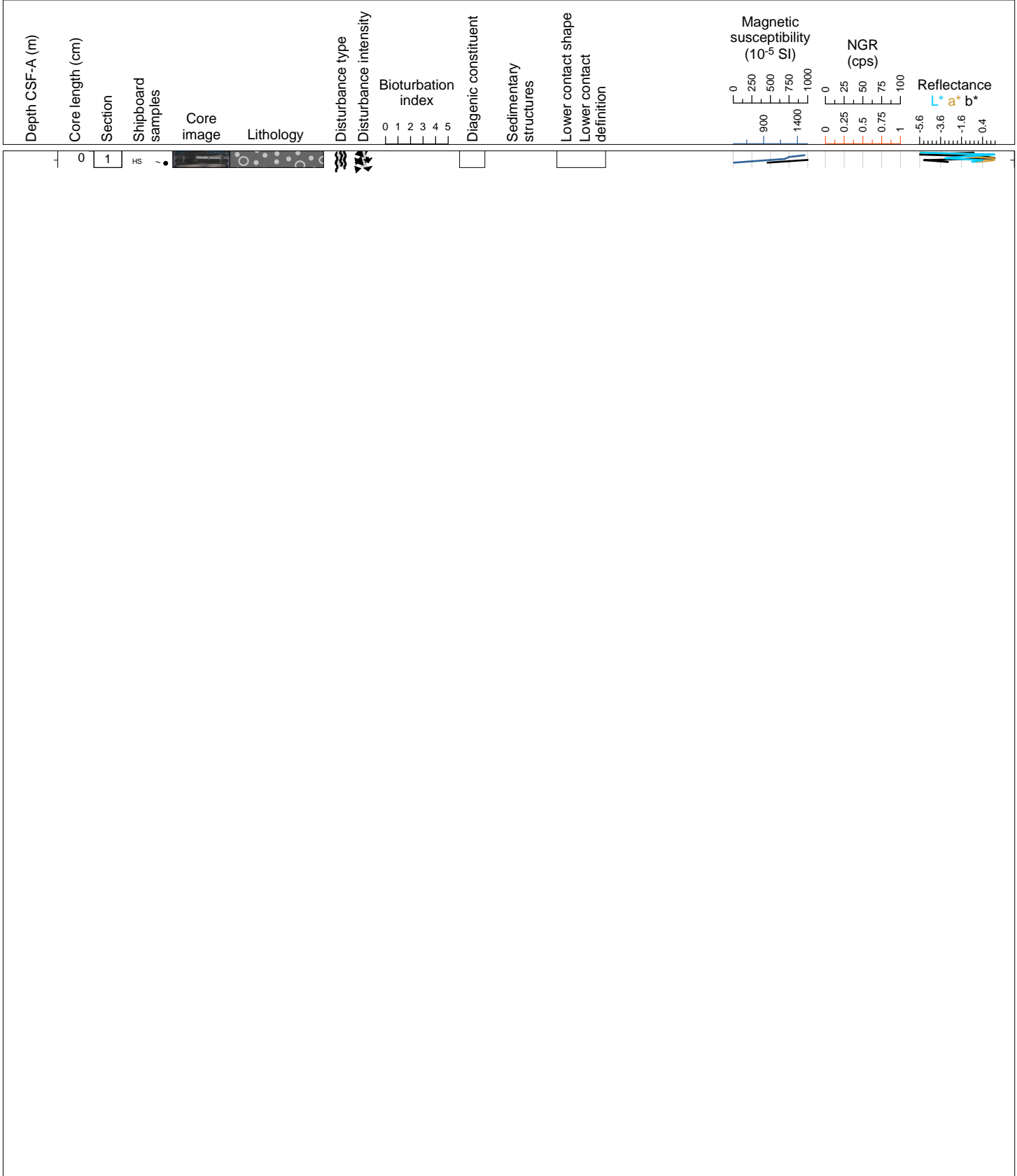
Hole 400-U1605A Core 31R, Interval 144.9-144.9 m (CSF-A)

NO RECOVERY 144.90-149.70 m



Hole 400-U1605A Core 32R, Interval 149.7-149.88 m (CSF-A)

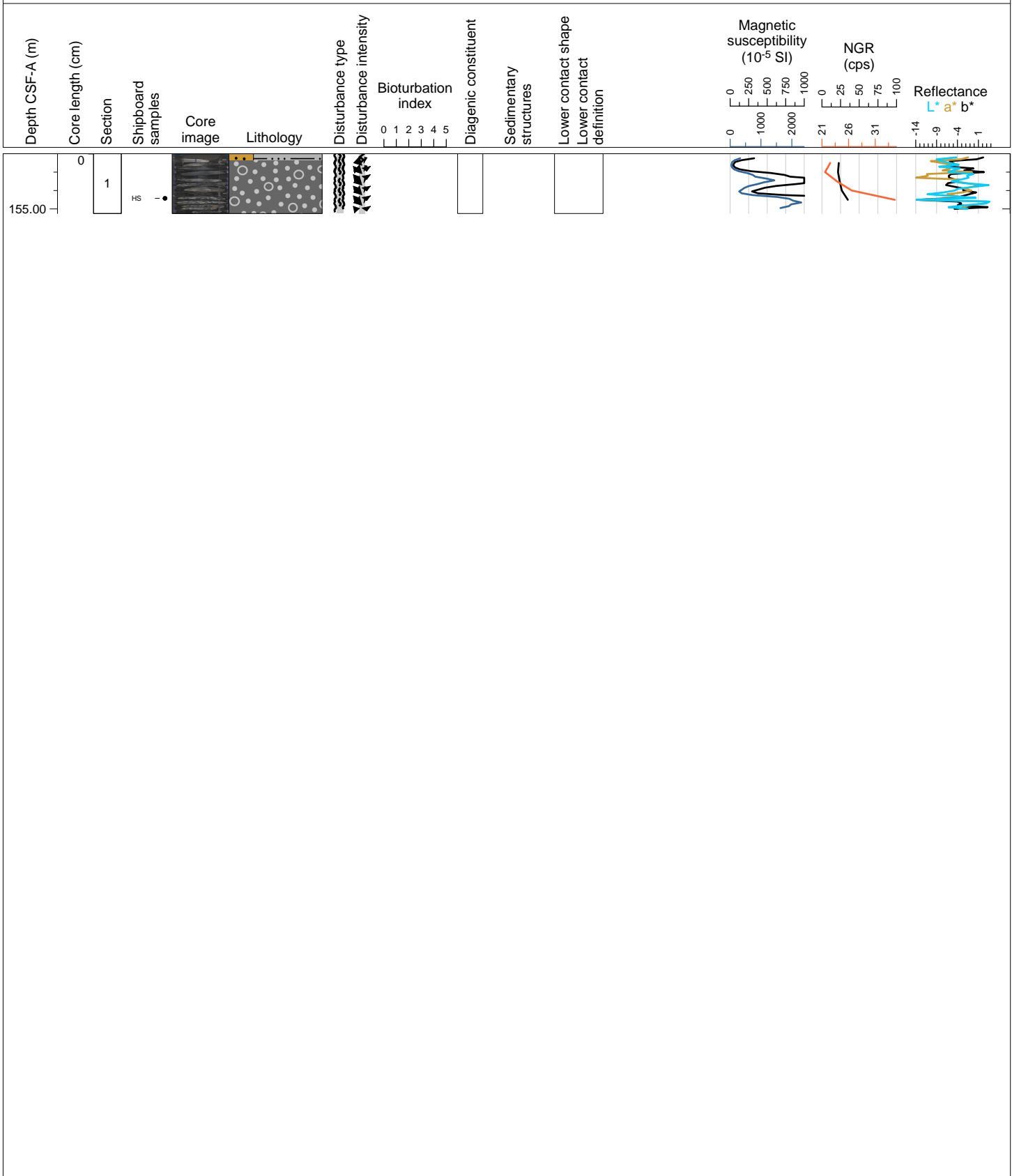
Washed gravel with clasts up to 10 cm in length and are gneiss and ultramafic rocks.





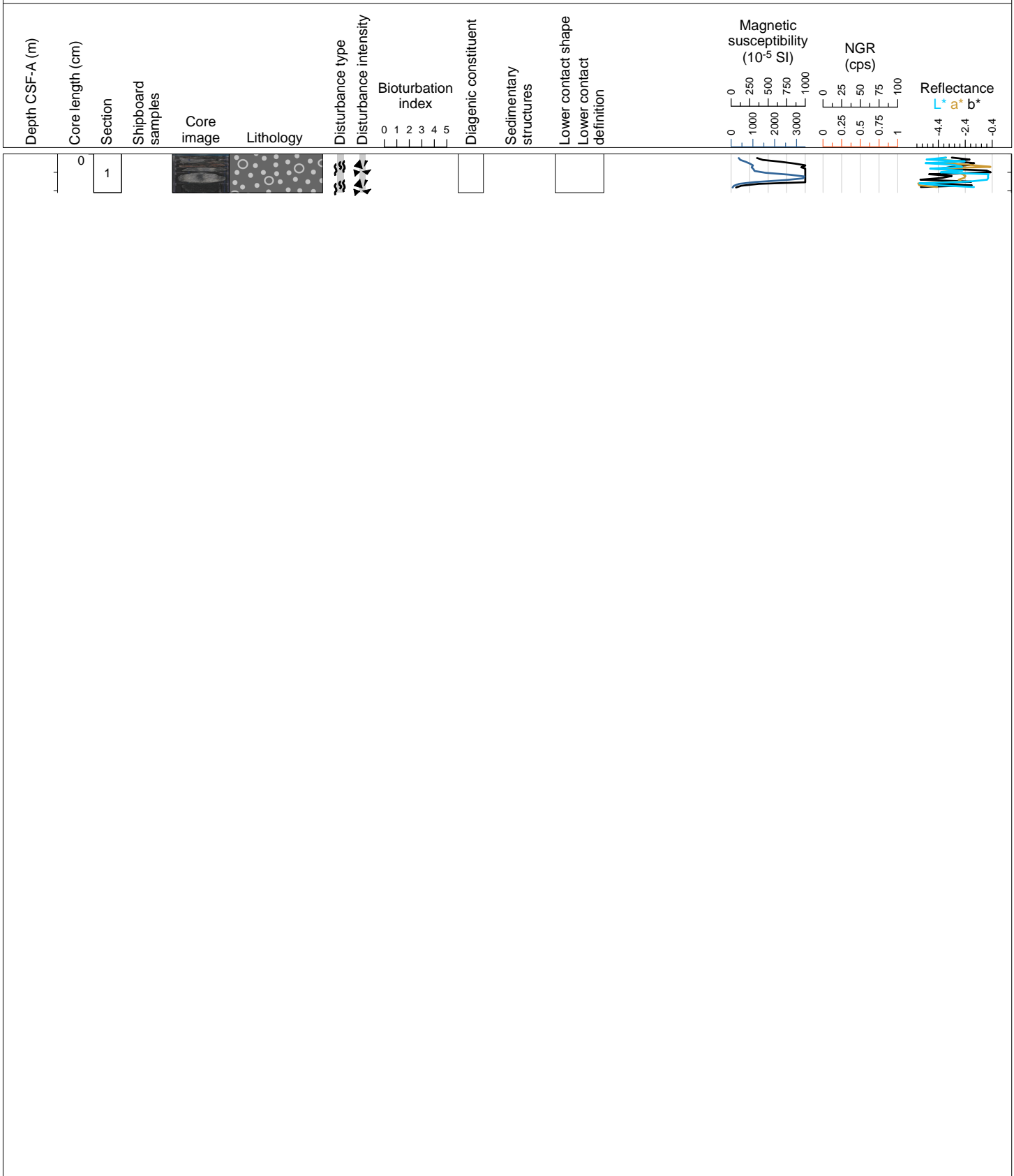
Hole 400-U1605A Core 33R, Interval 154.4-155.05 m (CSF-A)

Washed gravel with clasts up to 10 cm in length and are gneiss and ultramafic melanocratic rocks. One piece of dark grey brown sandy mud (diamicton matrix) is present at the top of the core.



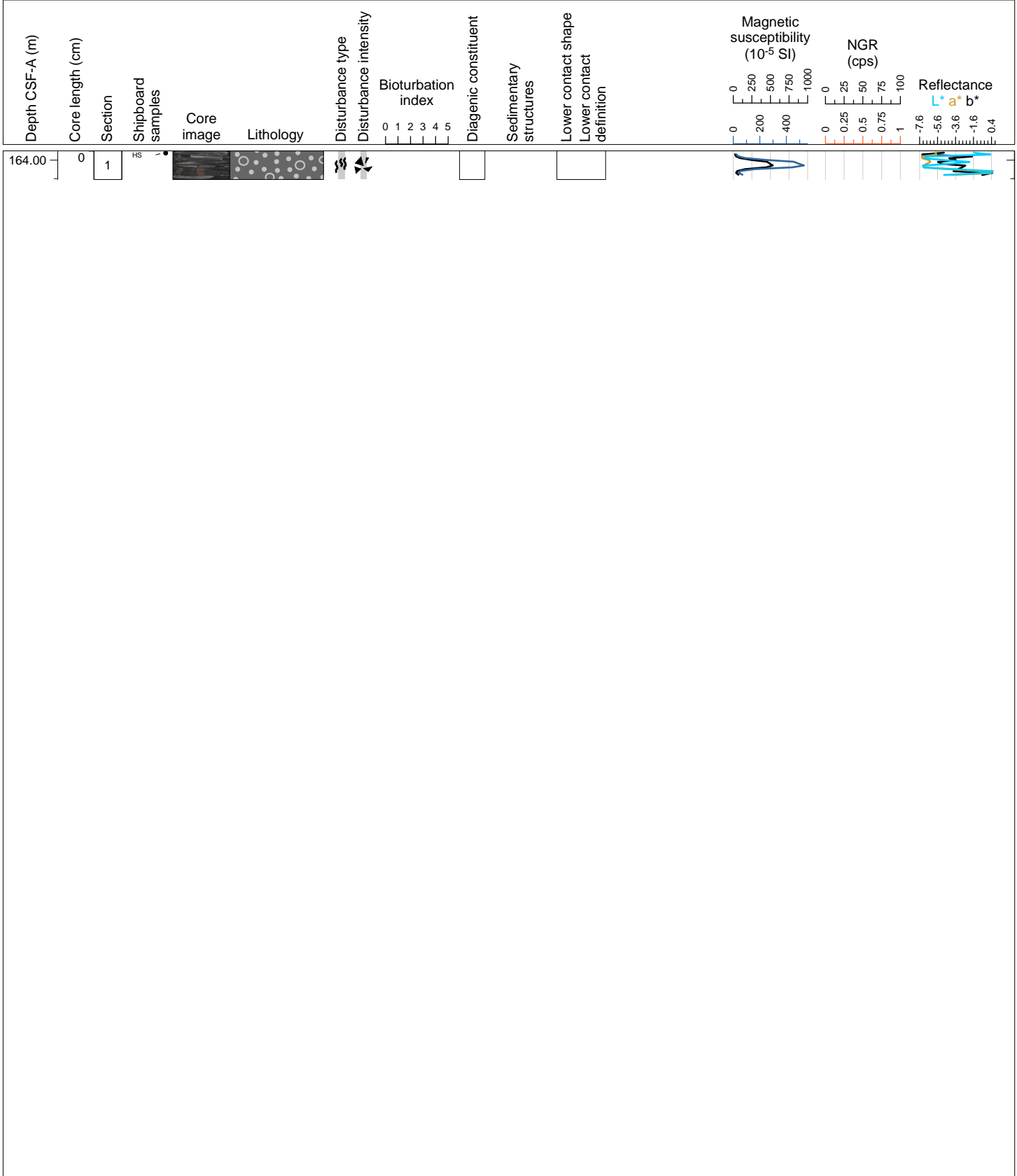
Hole 400-U1605A Core 34R, Interval 159.2-159.62 m (CSF-A)

Washed gravel with clasts up to 10 cm in length and are gneiss and ultramafic melanocratic rocks.



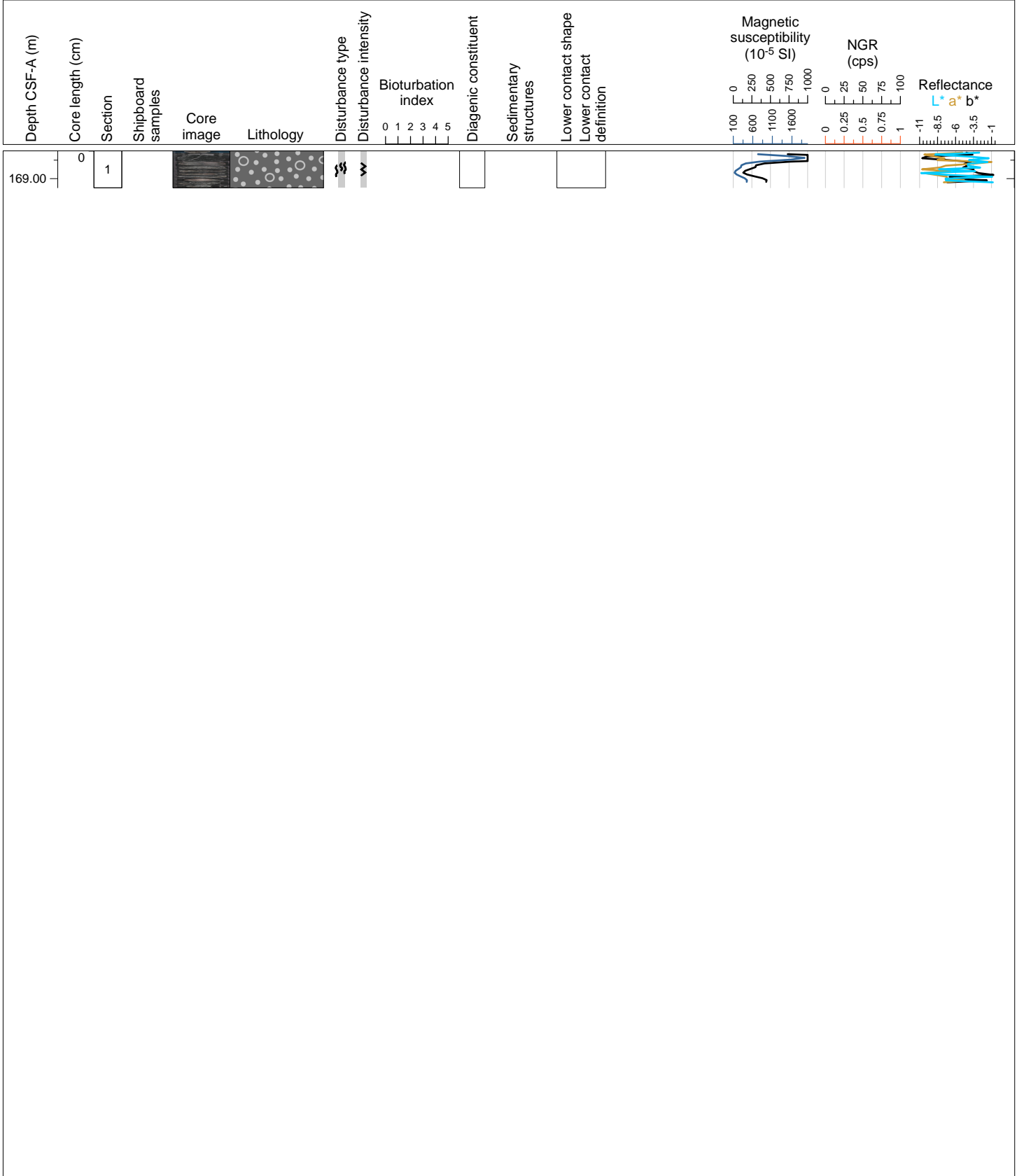
Hole 400-U1605A Core 35R, Interval 163.9-164.21 m (CSF-A)

Washed gravel up to 6 cm long composed of granitic gneiss.



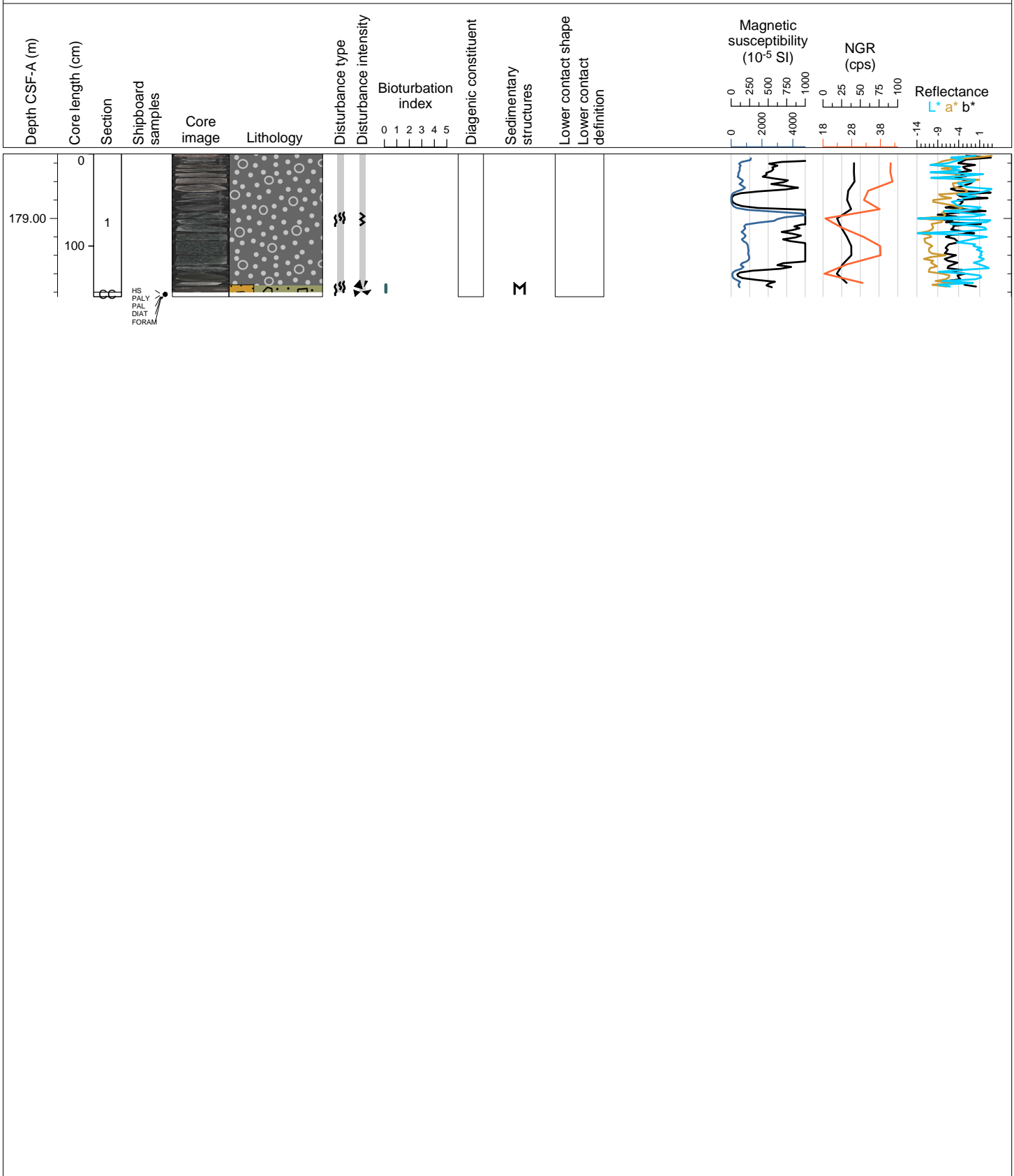
Hole 400-U1605A Core 36R, Interval 168.7-169.1 m (CSF-A)

Washed gravel composed of clasts up to 5 cm long gneiss and granite.



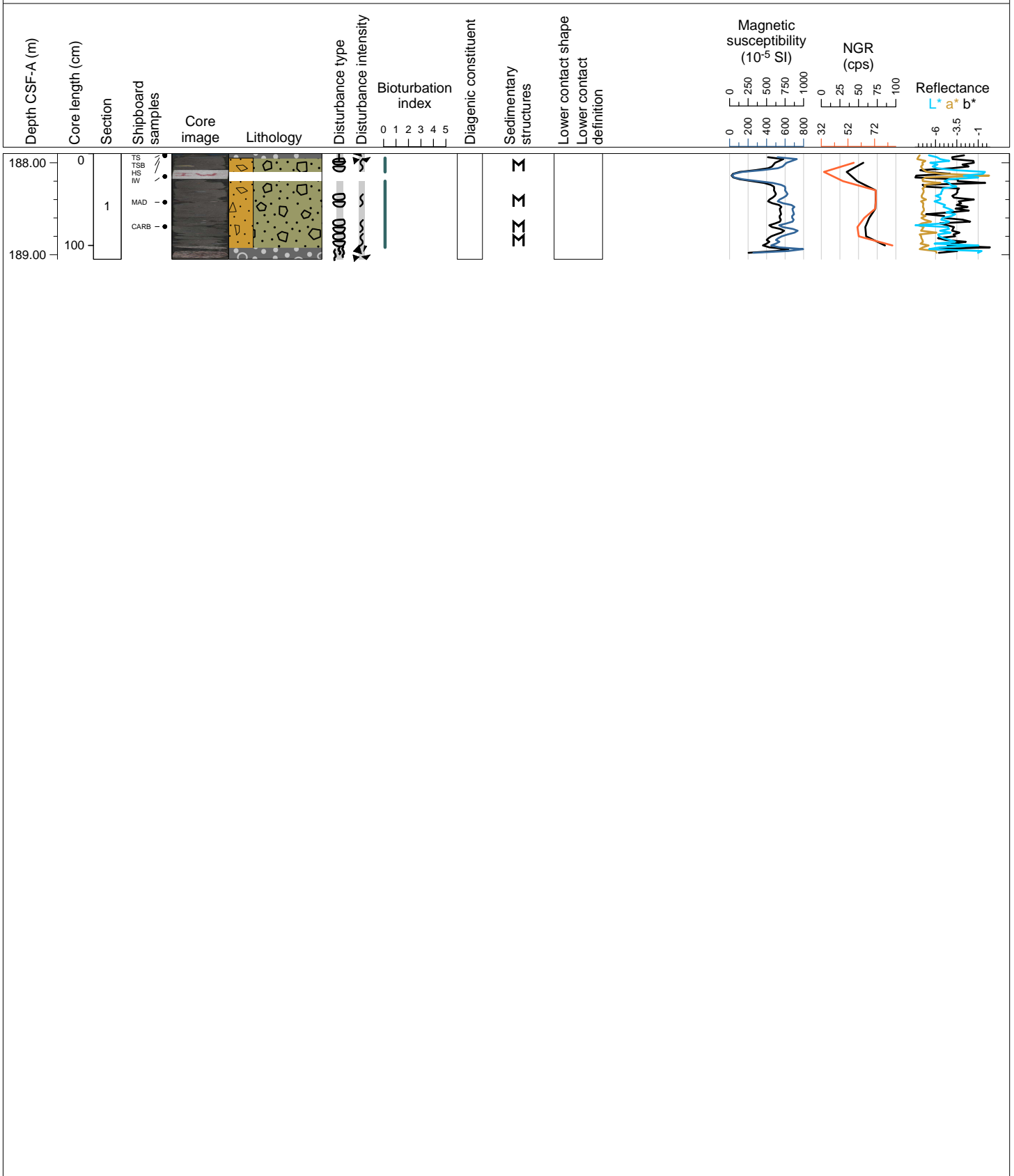
Hole 400-U1605A Core 37R, Interval 178.3-179.85 m (CSF-A)

Washed gravel composed of clasts up to 10 cm, with a 50 cm section of diorite. Clasts include plagioclase-rich granite, grano-diorite, gneiss with pink corundum and quartzite. Base of Section 1 is dark greyish brown clast-rich, sandy diamicton with clasts up to 1.5 cm.



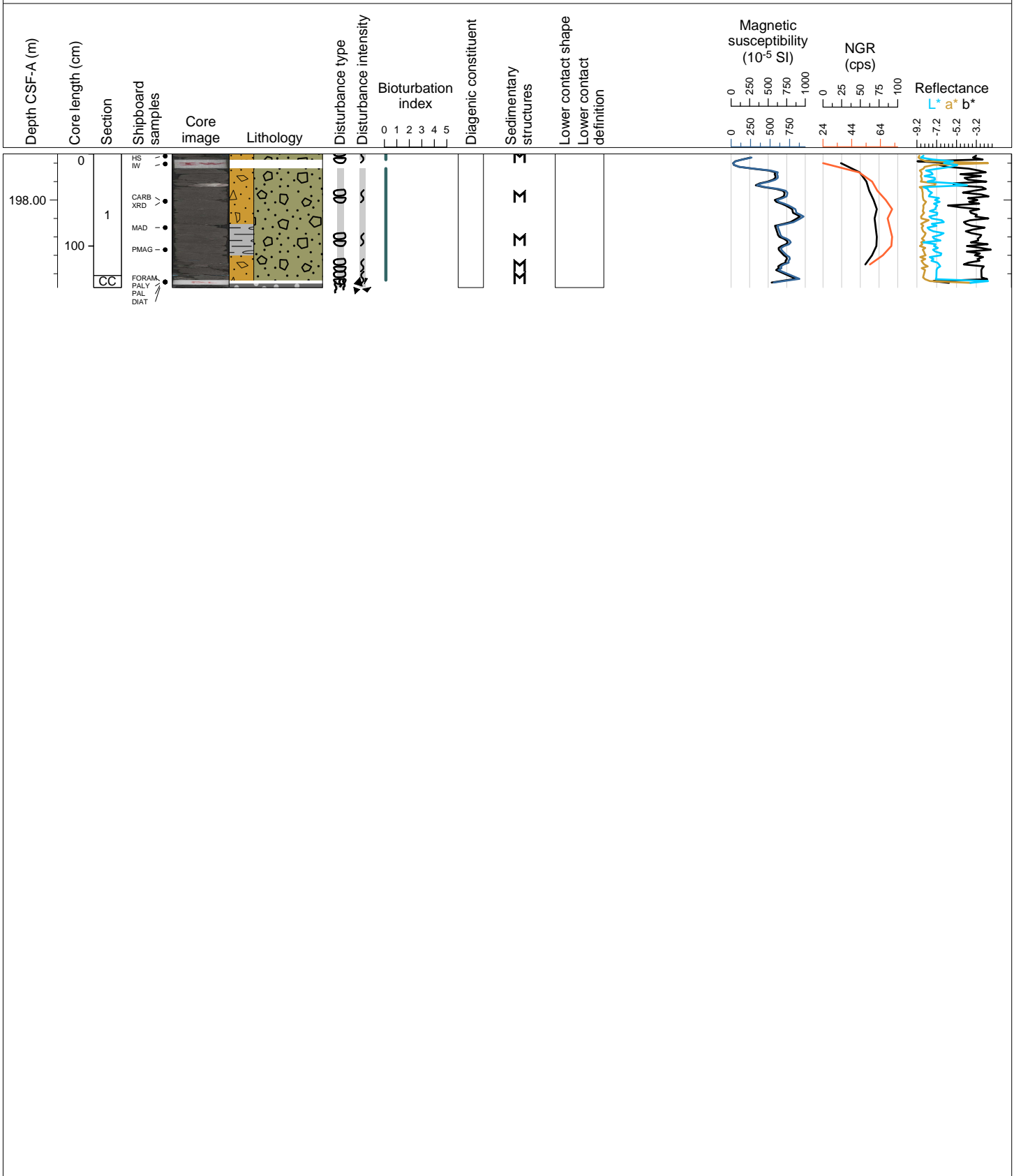
Hole 400-U1605A Core 38R, Interval 187.9-189.05 m (CSF-A)

Dark greyish brown massive sandy, clast-rich diamicton. Contains subrounded clasts up to 4 cm in diameter of plutonic igneous and metamorphic rocks, along with grains of quartz and felspar. Washed gravel below 102 cm, consisting of granite cobbles. No bioturbation observed.



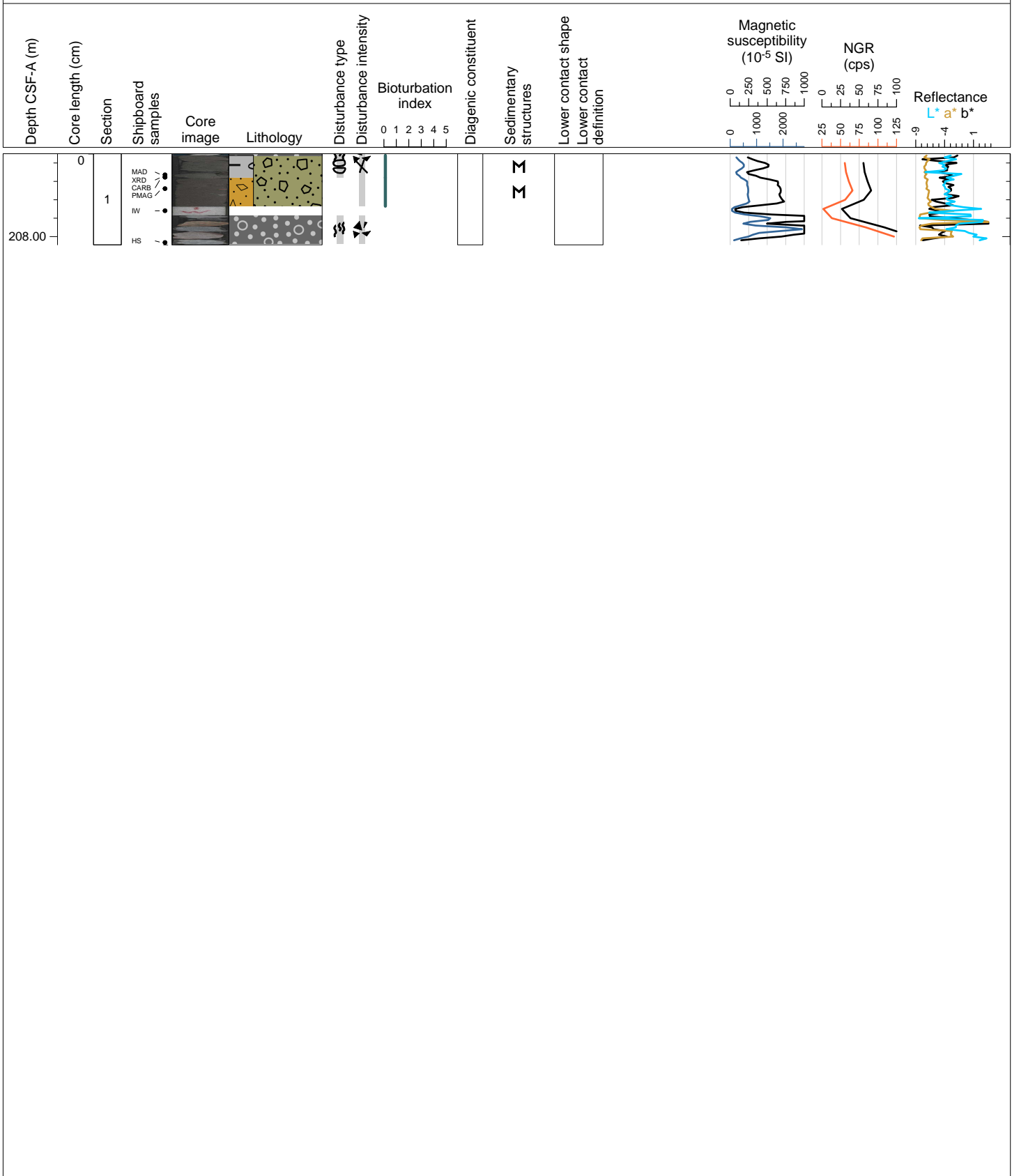
Hole 400-U1605A Core 39R, Interval 197.5-198.95 m (CSF-A)

Medium greyish brown massive clast-rich sandy diamicton and clast-rich muddy diamicton. Sand size in diamicton matrix increases to coarse below 110 cm. Contains subrounded clasts up to 4 cm diameter of metamorphic and plutonic igneous crystalline rocks. No bioturbation evident.



Hole 400-U1605A Core 40R, Interval 207.1-208.09 m (CSF-A)

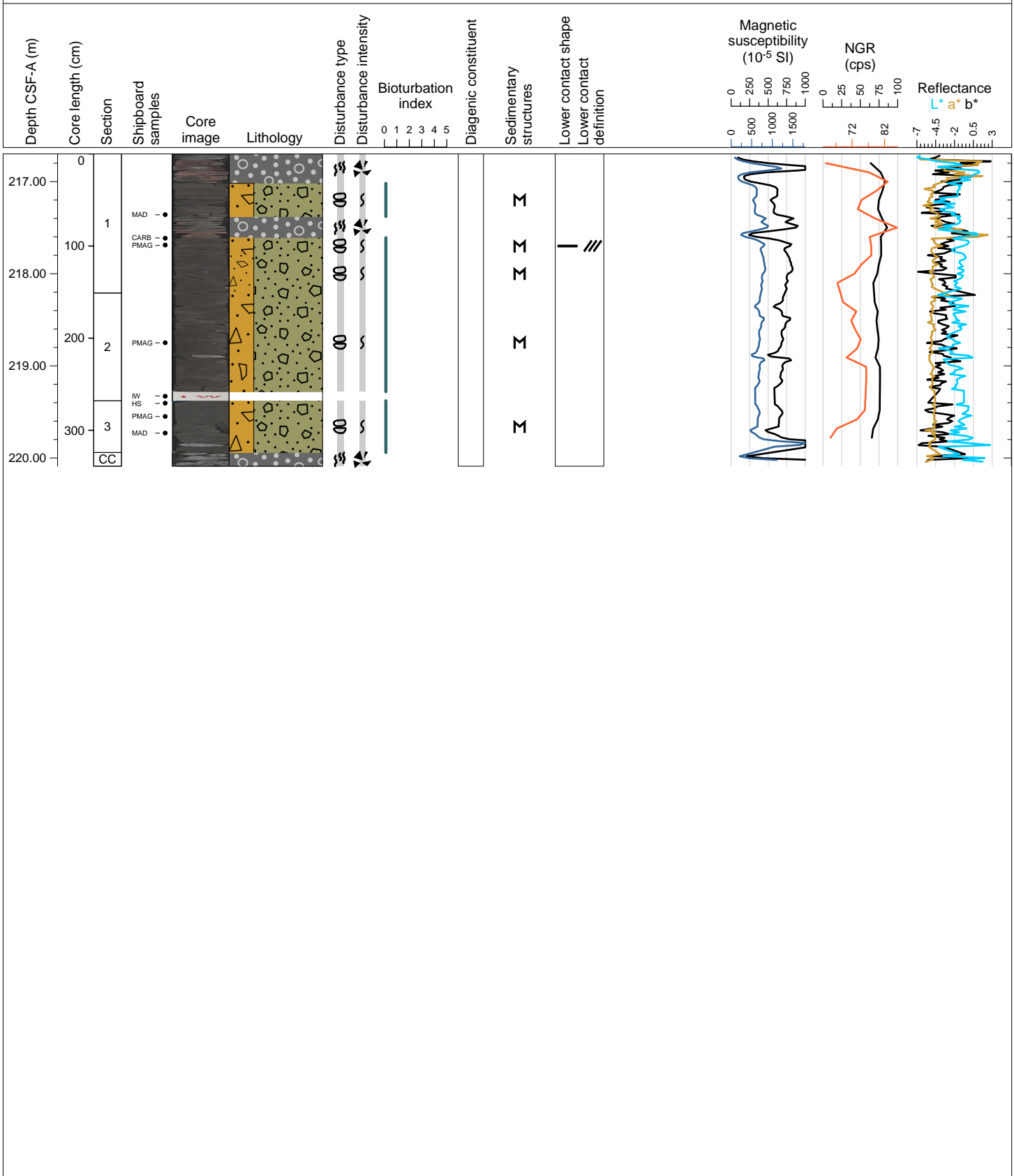
Dark greenish grey clast-poor, muddy diamicton overlying (unconformably) greyish brown clast rich, sandy diamicton. Washed gravel at the base of the section including large and fine crystalline metamorphic and plutonic pebbles up to 5 cm.





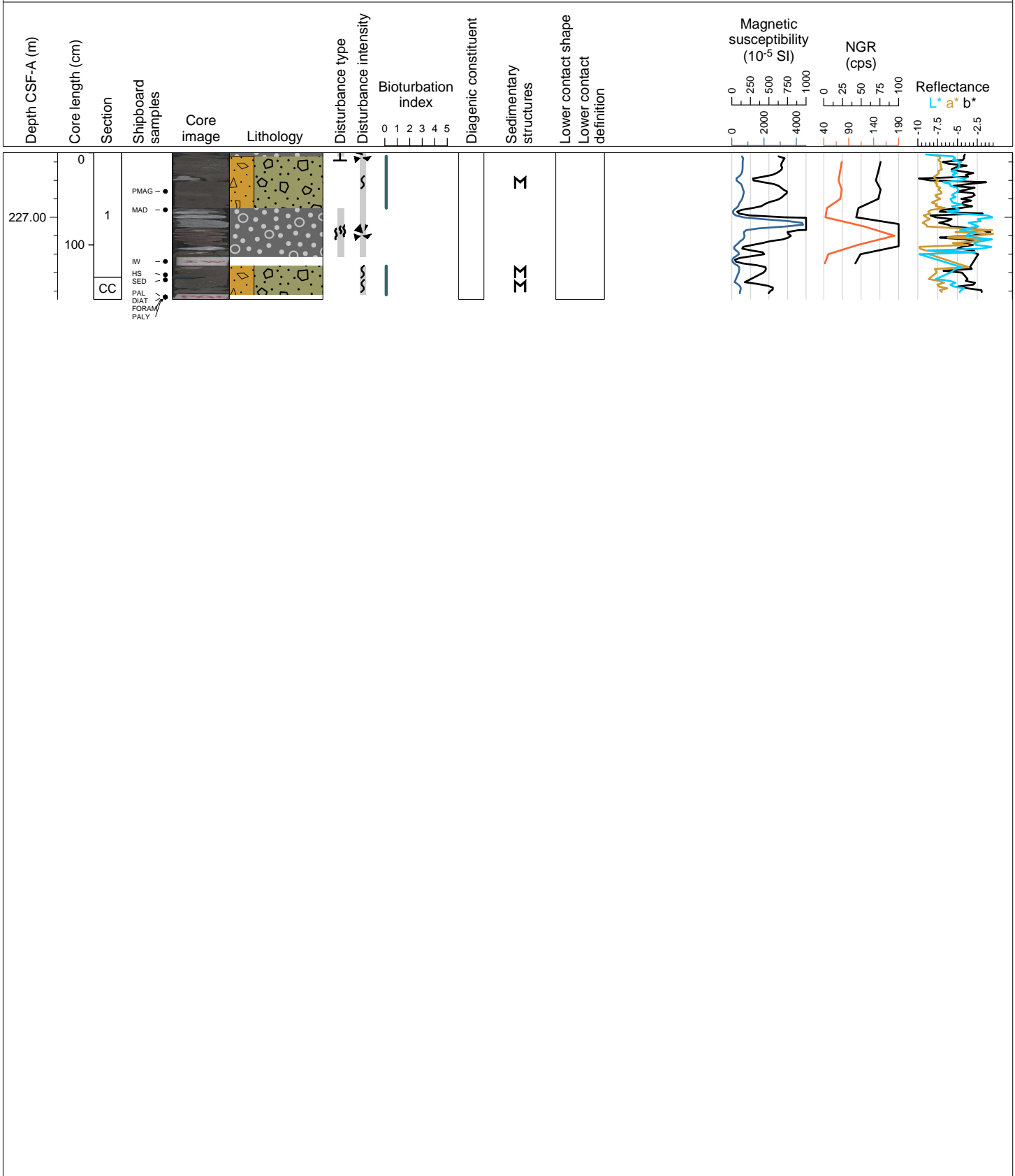
Hole 400-U1605A Core 41R, Interval 216.7-220.09 m (CSF-A)

Medium greyish brown massive sandy clast-poor and clast-rich sandy diamictin in alternating intervals. Clasts, igneous plutonic and metamorphic crystalline rocks, are typically 1 cm in diameter, but range up to 5 cm. Intervals of washed gravel containing a mix of pebble to cobble sized igneous intrusive and metamorphic crystalline rocks occur in Section 1 and CC.



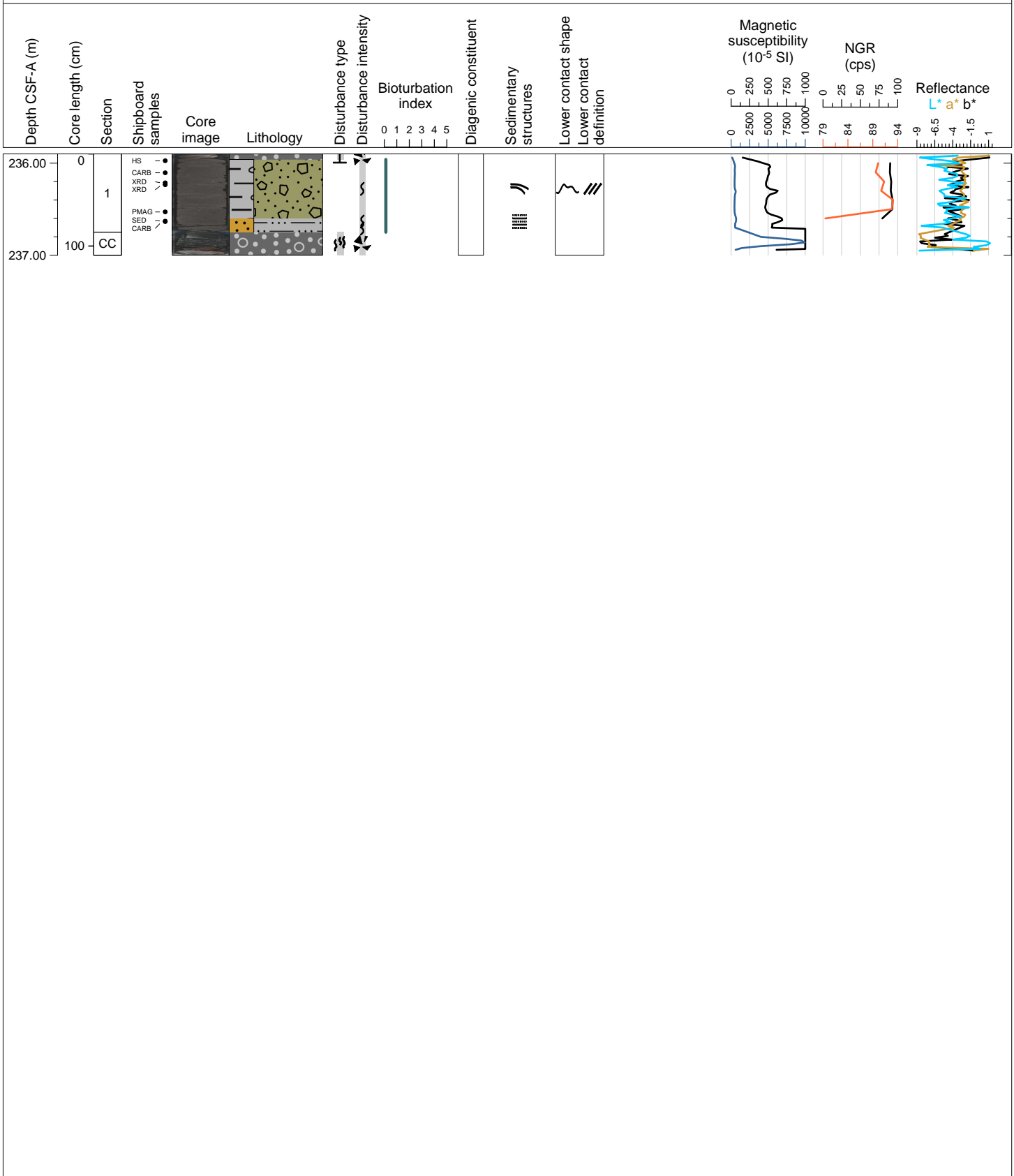
Hole 400-U1605A Core 42R, Interval 226.3-227.89 m (CSF-A)

Dark greyish brown massive sandy diamicton with and interval of washed pebbles and cobbles of banded granitic gneiss, granite and gabbro in Section 1.



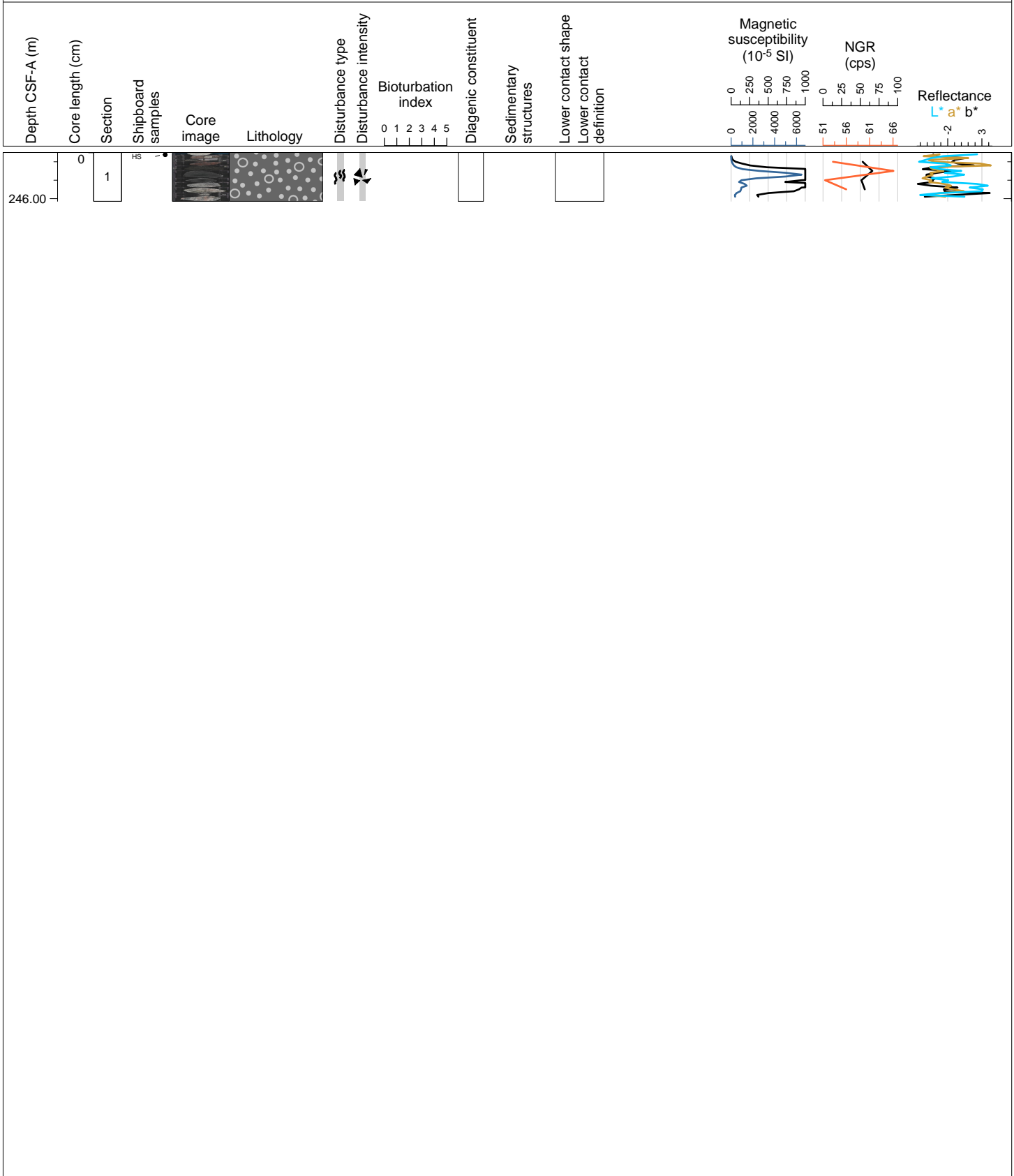
Hole 400-U1605A Core 43R, Interval 235.9-237.0 m (CSF-A)

Greyish brown stratified clast-poor muddy diamicton with an interval of color-banded greenish grey sandy mud with dispersed clasts in Section 1 and washed gravel in the core catcher. Clast lithologies include banded granitic gneiss, amphibolite, granite and basalt.



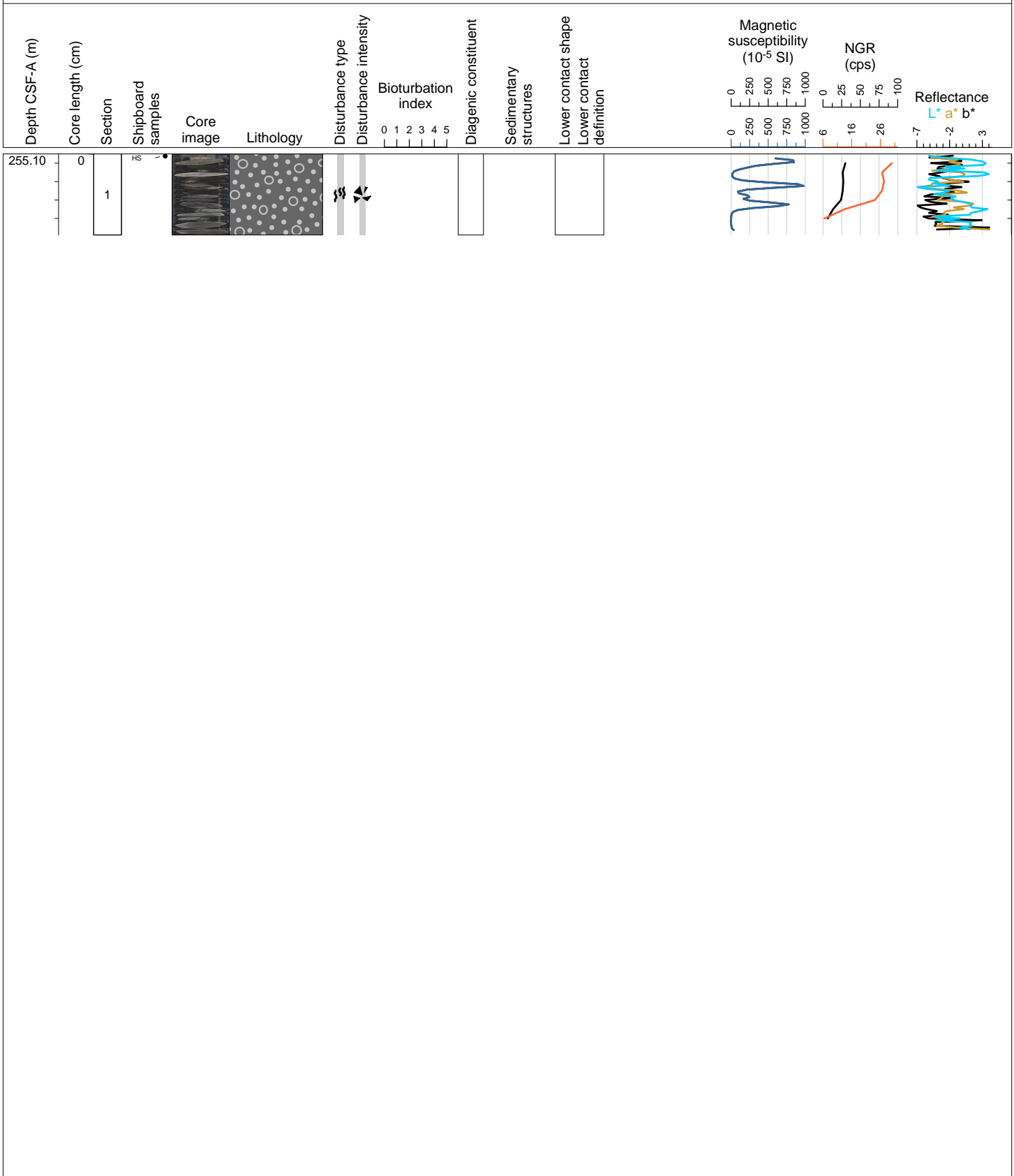
Hole 400-U1605A Core 44R, Interval 245.5-246.03 m (CSF-A)

Washed gravel with clasts up to 8 cm in diameter composed of white and red granitic gneisses as well as a foliated black, micaceous lithology. Single interval of incompetent and highly disturbed diamict mud.



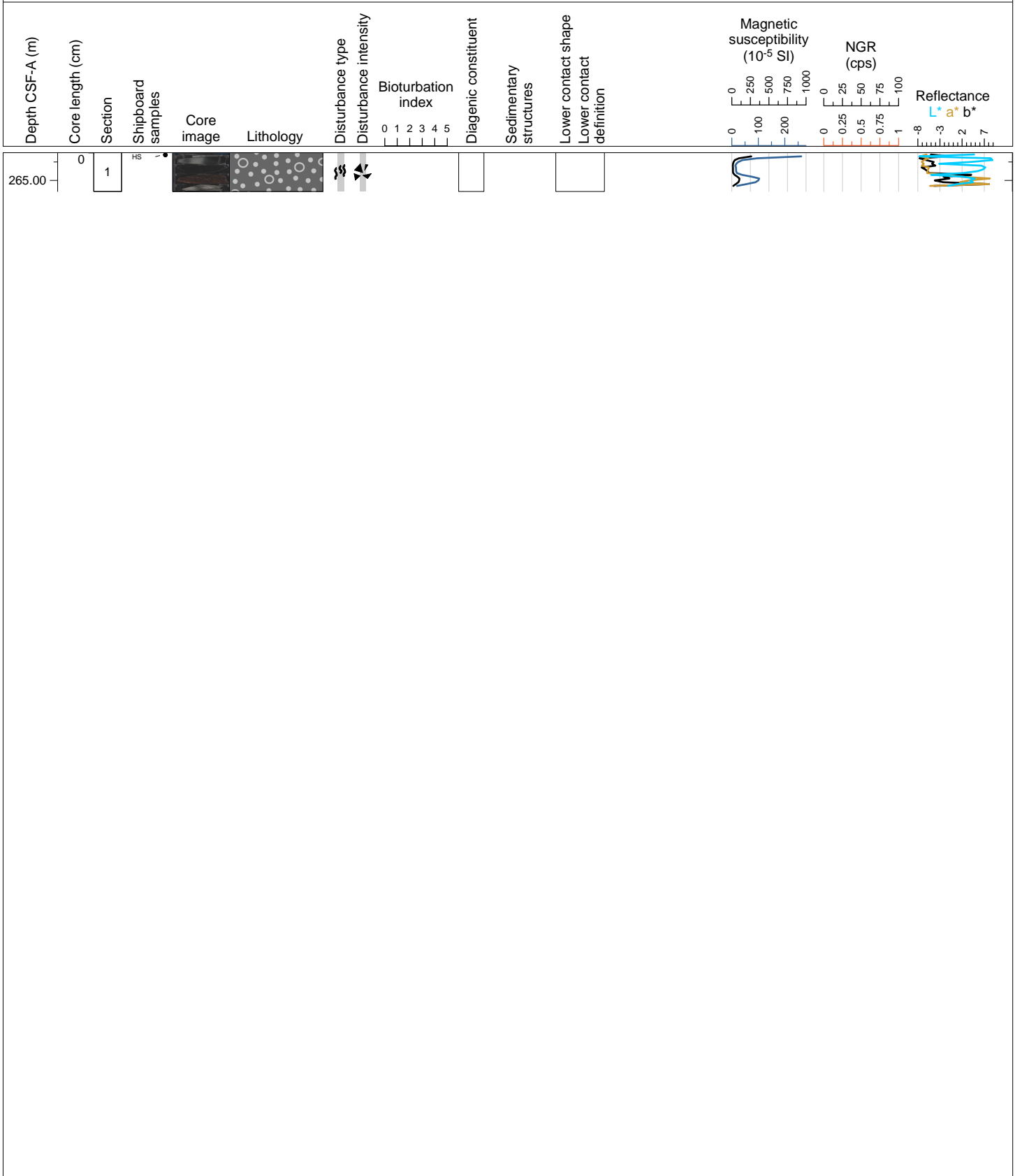
Hole 400-U1605A Core 45R, Interval 255.1-255.98 m (CSF-A)

Washed gravel with clasts up to 9 cm in diameter composed of granitic gneiss and a light grey quartzite lithologies. Single interval of incompetent and highly disturbed diamict mud.



Hole 400-U1605A Core 46R, Interval 264.7-265.12 m (CSF-A)

Washed gravel with clasts up to 10 cm in diameter composed of various gneiss and a light grey quartzite and fine grained igneous rocks.



Hole 400-U1605A Core 47R, Interval 274.3-275.1 m (CSF-A)

Washed gravel with clasts up to 8 cm in diameter composed of gneissic lithologies.

