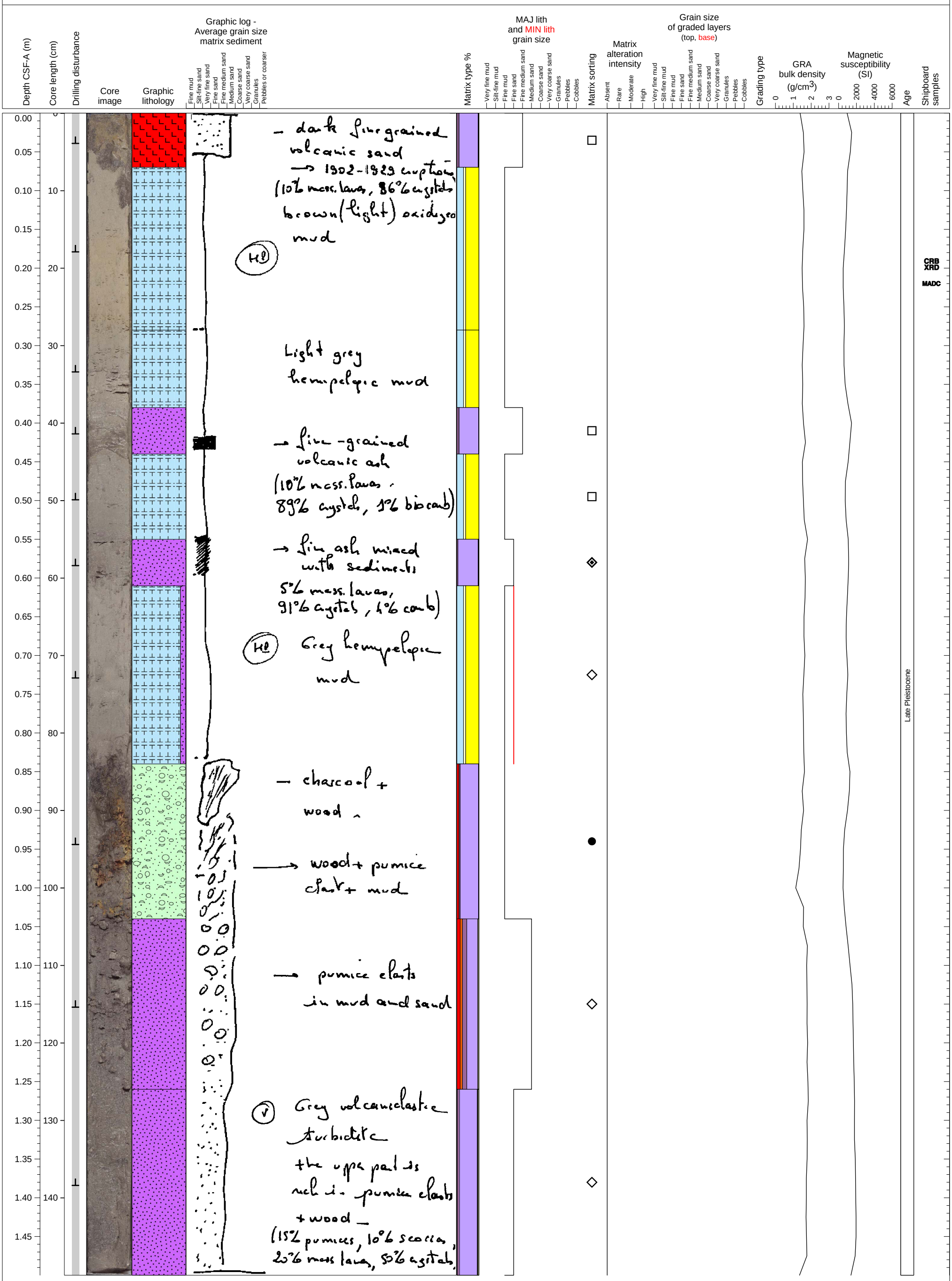
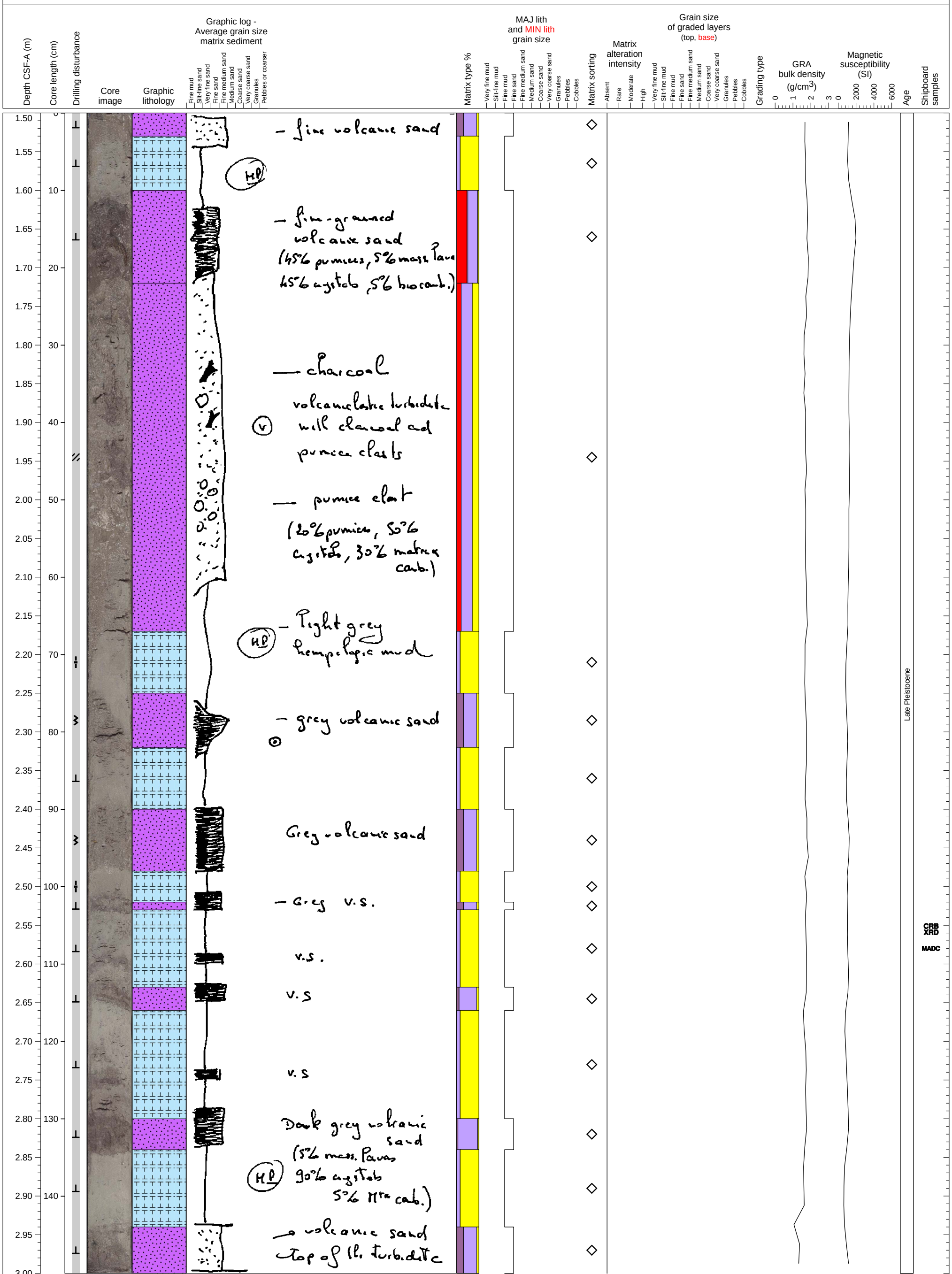
Hole 340-U1400B-1H Section 1, Top of Section: 0.0 CSF-A (m)

Hemipelagic fines with 1902-1929 eruptive material at the top of the section. Wood fragments in volcaniclastic turbidite? facies at 84-104 cm depth are present.



Hole 340-U1400B-1H Section 2, Top of Section: 1.5 CSF-A (m)

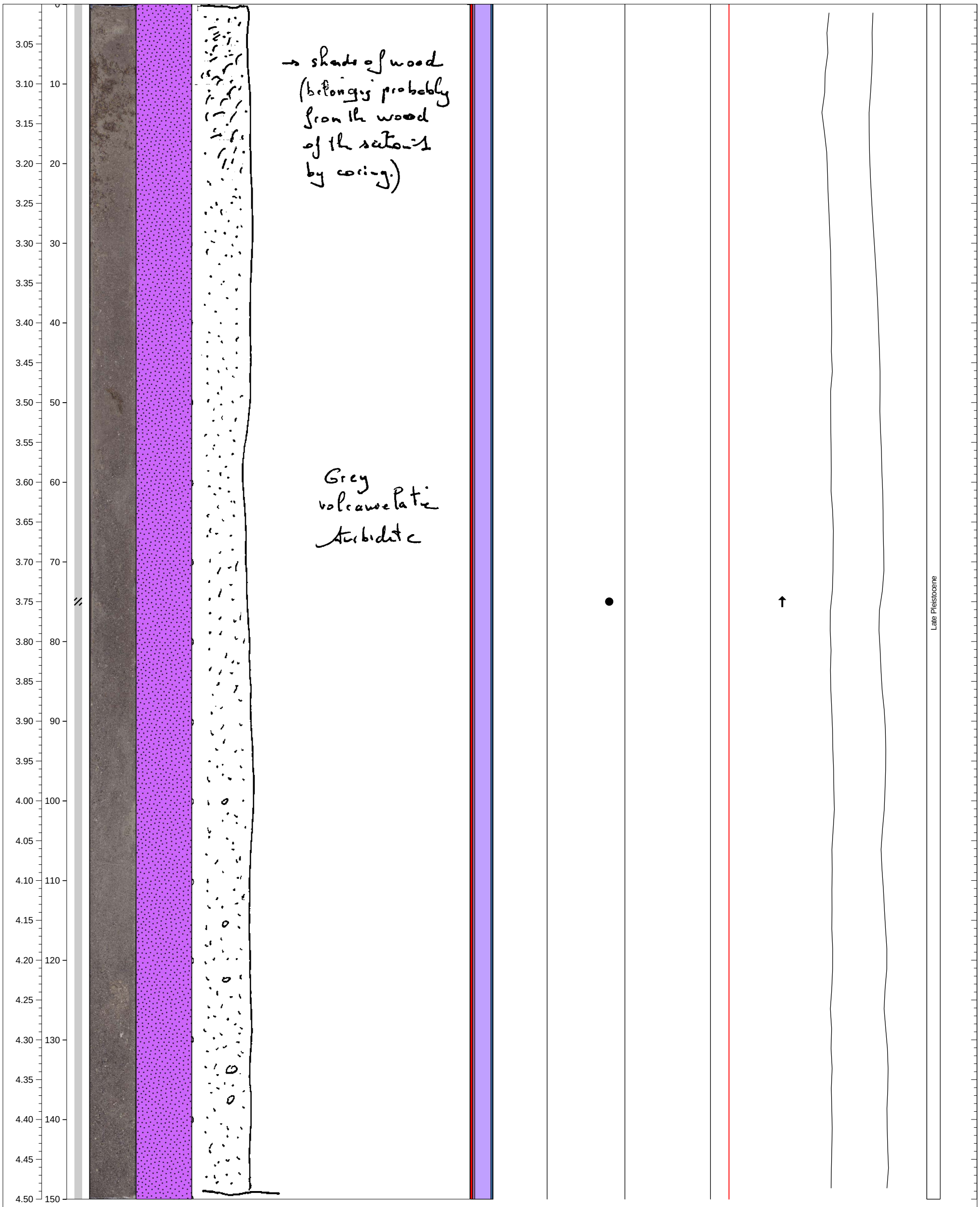
Hemipelagic sediments with several thin ash layers interbedded.



Hole 340-U1400B-1H Section 3, Top of Section: 3.0 CSF-A (m)

Volcaniclastic turbidite

Depth CSF-A (m) | Core length (cm) | Drilling disturbance | Core image | Graphic lithology | Graphic log - Average grain size matrix sediment (Fine mud, Silt-fine sand, Very fine sand, Fine sand, Fine medium sand, Medium sand, Coarse sand, Very coarse sand, Granules, Pebbles or coarser) | Matrix type % | MAJ lith and MIN lith grain size (Very fine mud, Silt-fine mud, Fine mud, Fine sand, Fine medium sand, Medium sand, Coarse sand, Very coarse sand, Granules, Pebbles, Cobbles) | Matrix sorting | Matrix alteration intensity (Absent, Rare, Moderate, High) | Grain size of graded layers (top, base) (Very fine mud, Silt-fine mud, Fine mud, Fine sand, Fine medium sand, Medium sand, Coarse sand, Very coarse sand, Granules, Pebbles, Cobbles) | Grading type | GRA bulk density (g/cm^3) (0, 1, 2, 3) | Magnetic susceptibility (SI) (0, 2000, 4000, 6000) | Age | Shipboard samples



Hole 340-U1400B-1H Section 4, Top of Section: 4.5 CSF-A (m)

Massive volcaniclastic turbidite with pumice

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

4.55
4.60
4.65
4.70
4.75
4.80
4.85
4.90
4.95
5.00
5.05
5.10
5.15
5.20
5.25
5.30
5.35
5.40
5.45
5.50
5.55
5.60
5.65
5.70
5.75
5.80
5.85
5.90
5.95
6.00

10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

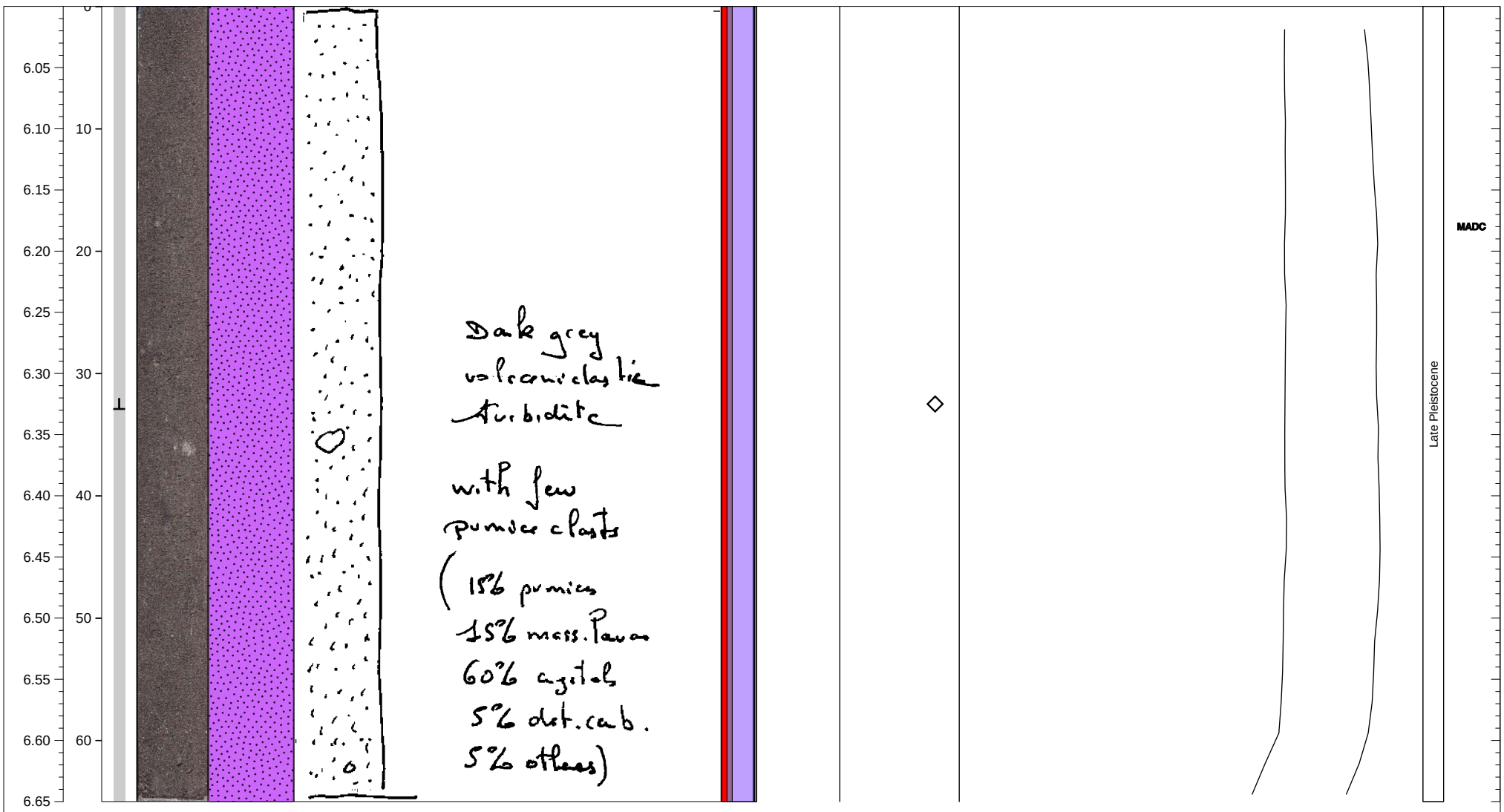
Dark grey volcaniclastic turbidite

(25% pumices
15% mass. lavas
55% agglob
5% others)

Late Pleistocene

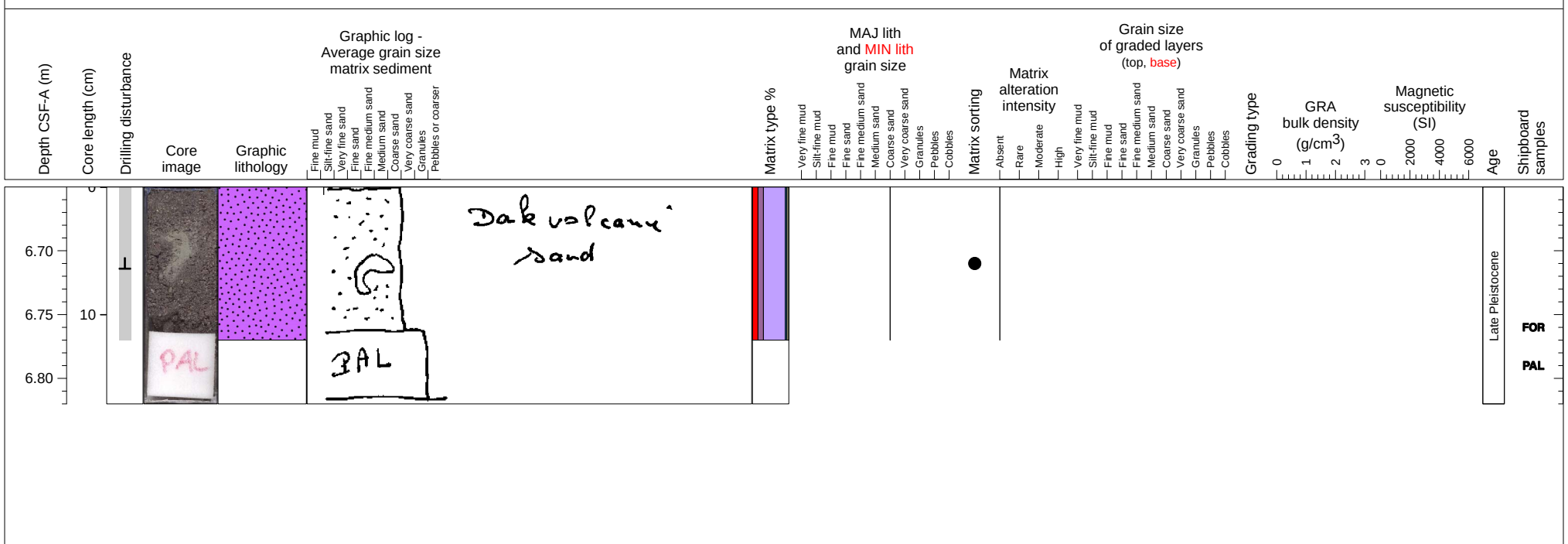
Hole 340-U1400B-1H Section 5, Top of Section: 6.0 CSF-A (m)

Massive volcaniclastic turbidite with pumice clasts



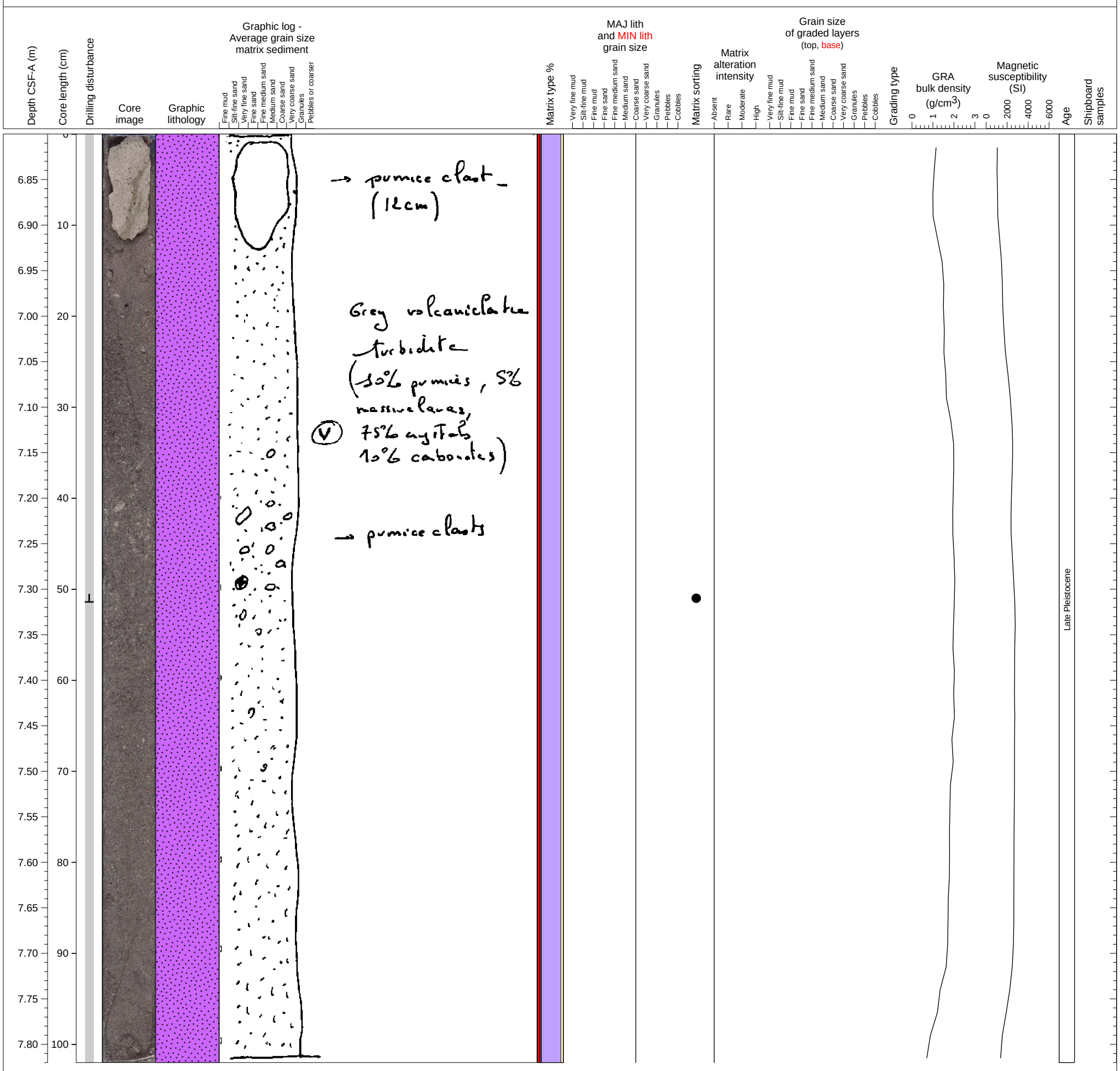
Hole 340-U1400B-1H Section CC, Top of Section: 6.65 CSF-A (m)

Massive volcaniclastic turbidite with mud clast



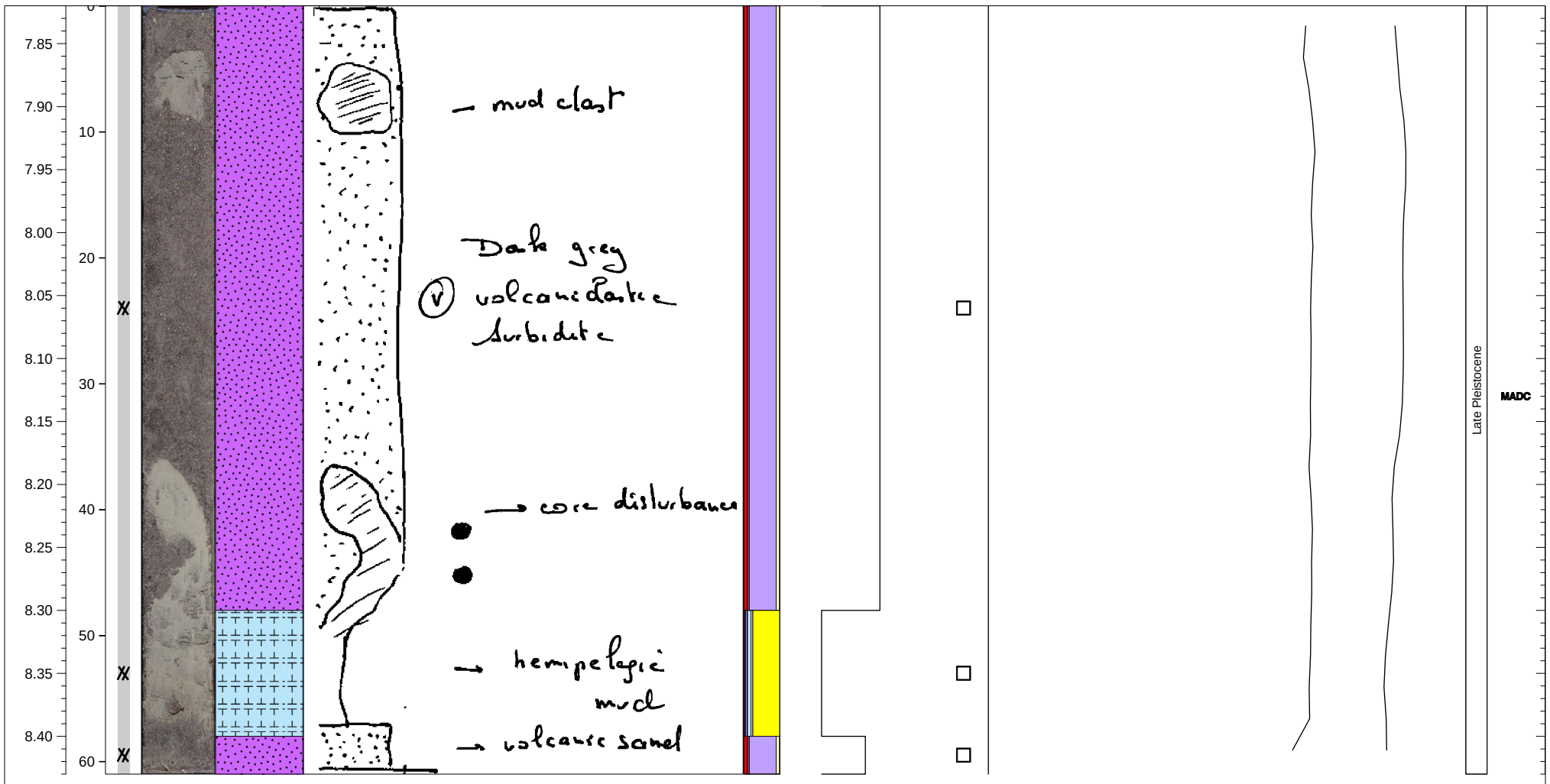
Hole 340-U1400B-2H Section 1, Top of Section: 6.8 CSF-A (m)

Volcaniclastic turbidite with abundant pumice clasts



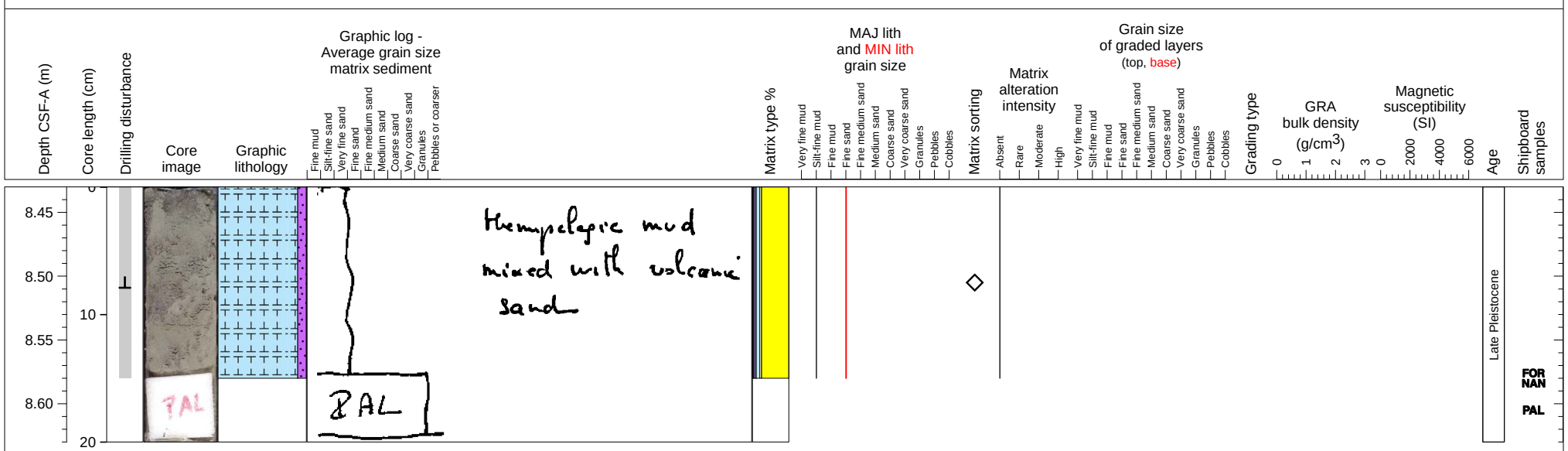
Hole 340-U1400B-2H Section 2, Top of Section: 7.82 CSF-A (m)

Volcaniclastic turbidite



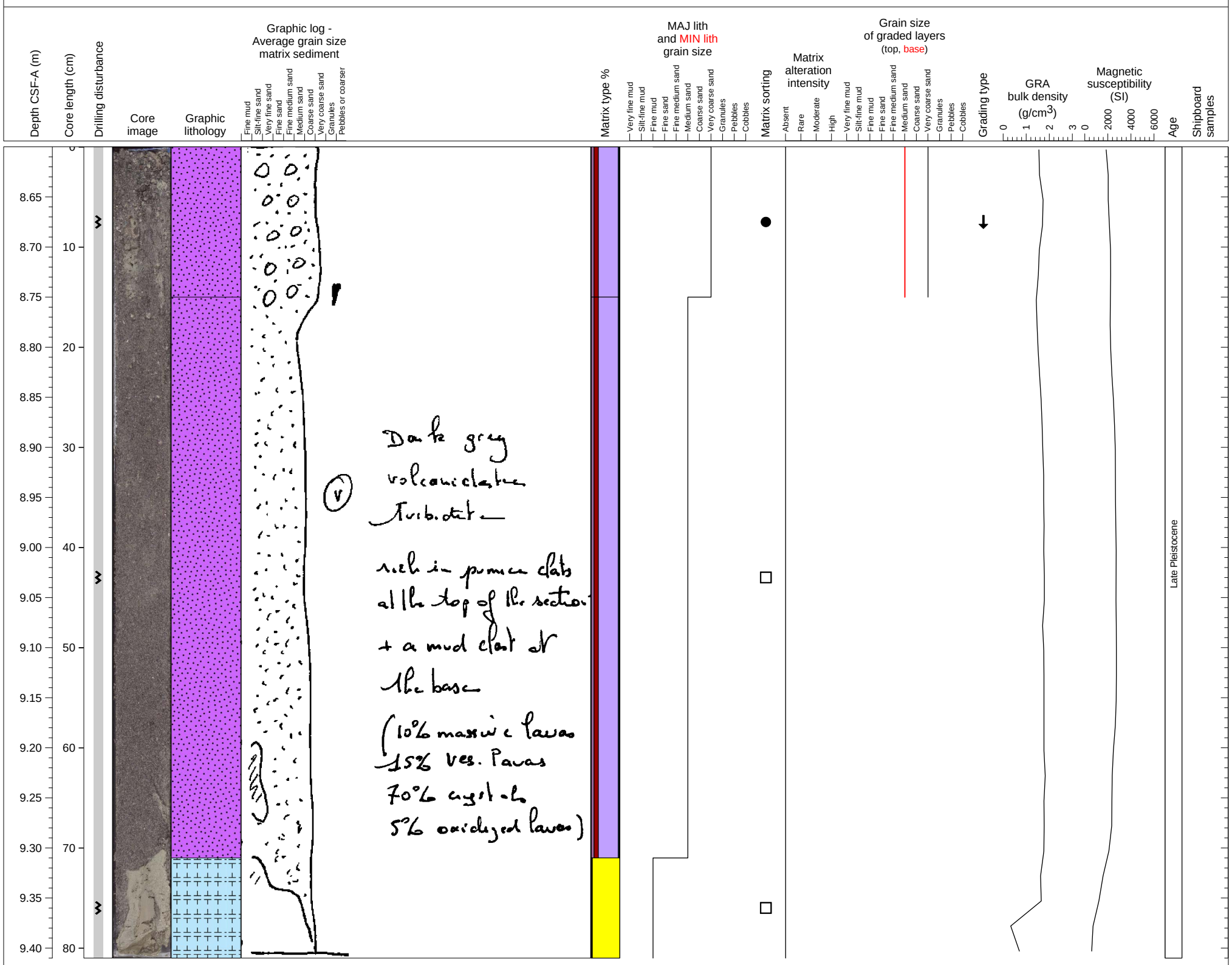
Hole 340-U1400B-2H Section CC, Top of Section: 8.43 CSF-A (m)

Hemipelagic sediment mixed with volcaniclastic sand



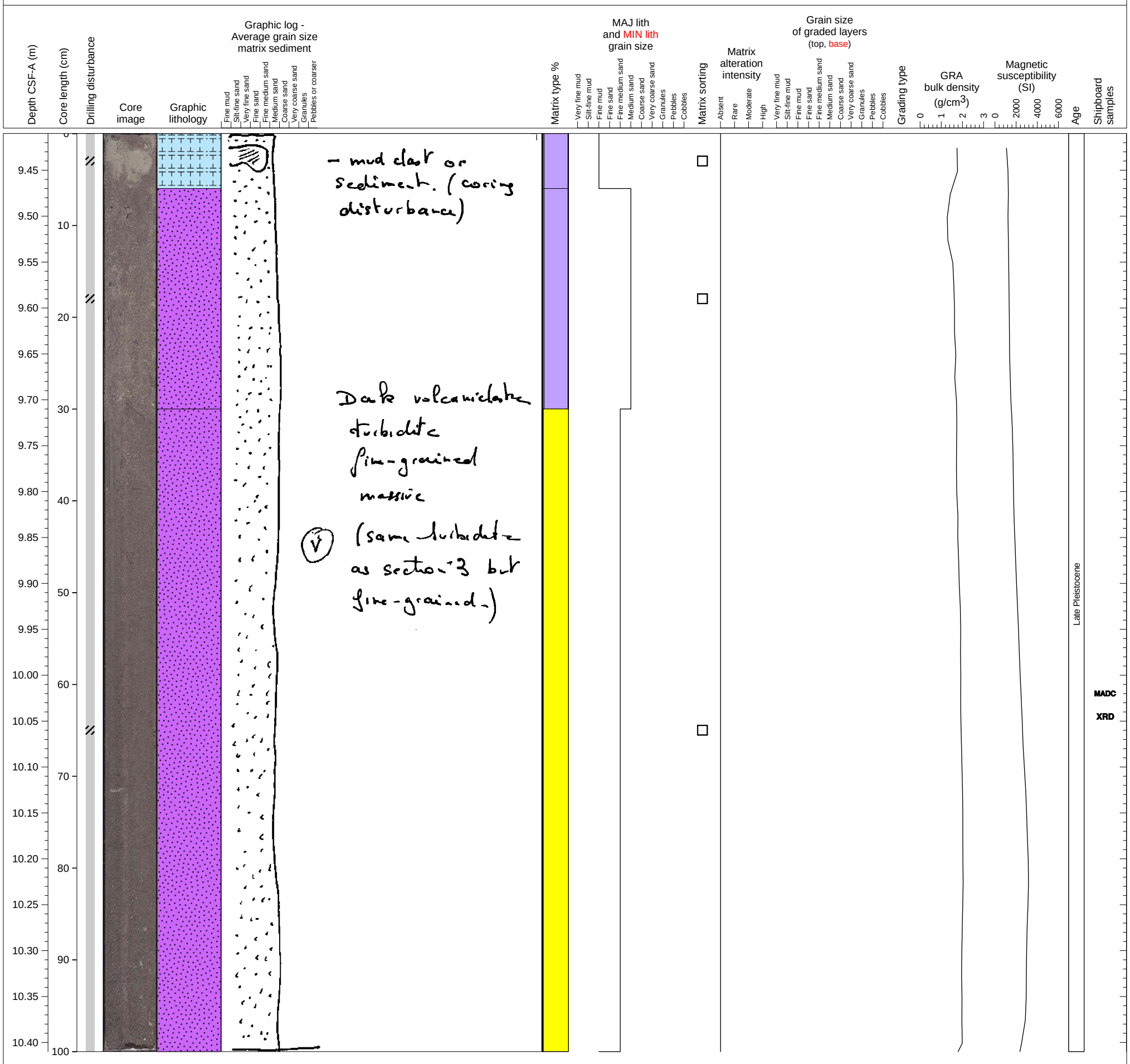
Hole 340-U1400B-3H Section 1, Top of Section: 8.6 CSF-A (m)

Volcaniclastic turbidite and hemipelagite



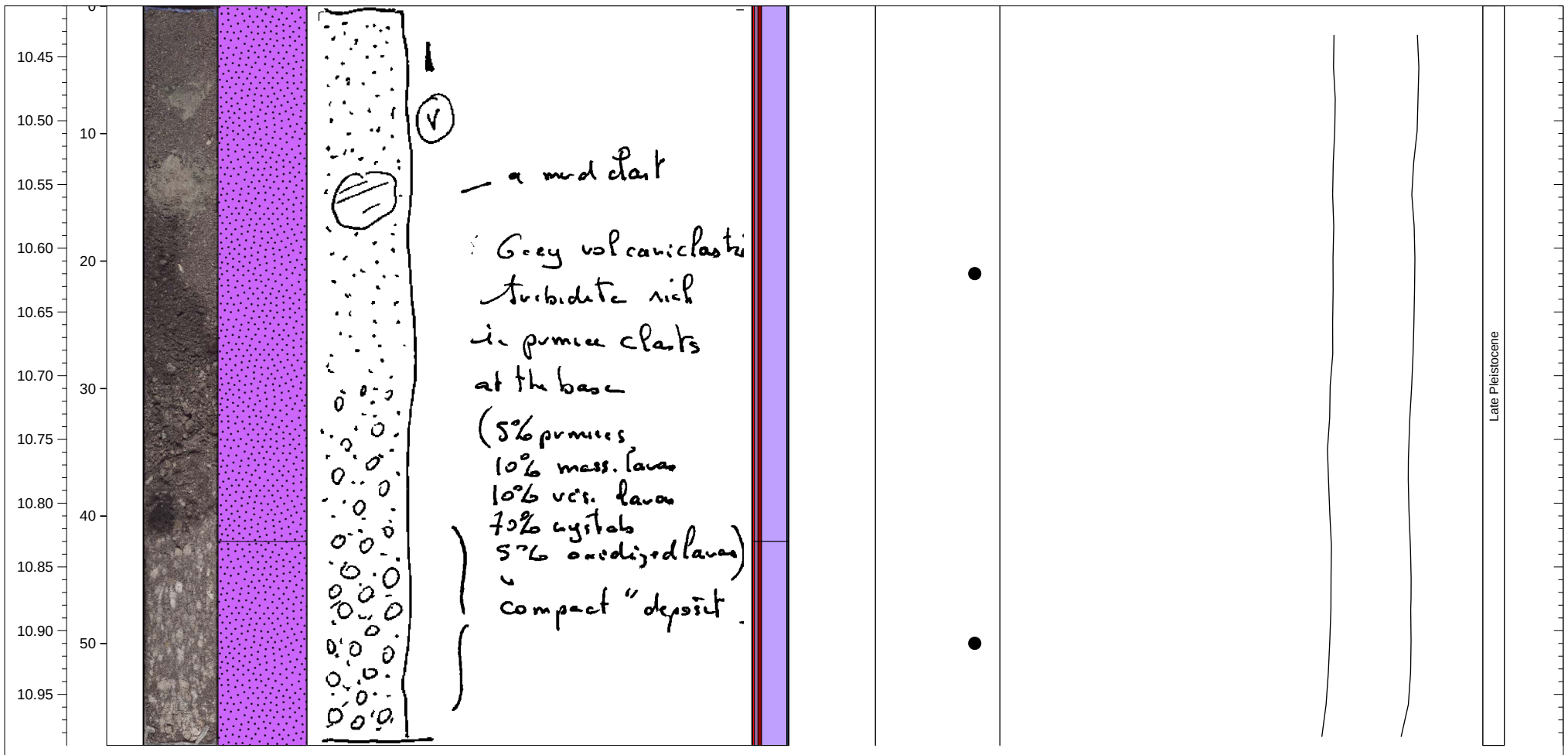
Hole 340-U1400B-3H Section 2, Top of Section: 9.41 CSF-A (m)

Volcaniclastic turbidie in hemipelagic sediments



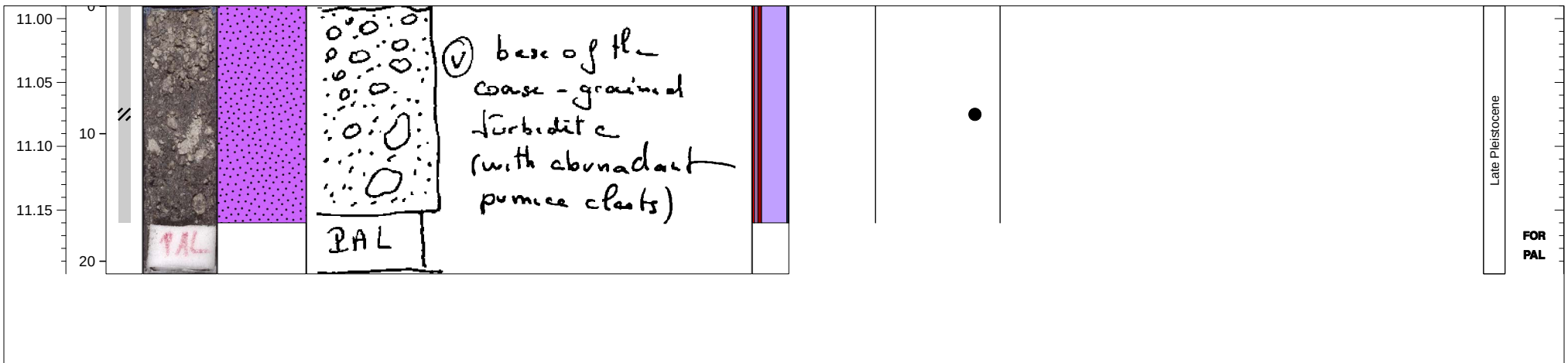
Hole 340-U1400B-3H Section 3, Top of Section: 10.41 CSF-A (m)

Volcaniclastic turbidite and pumiceous turbidite layers



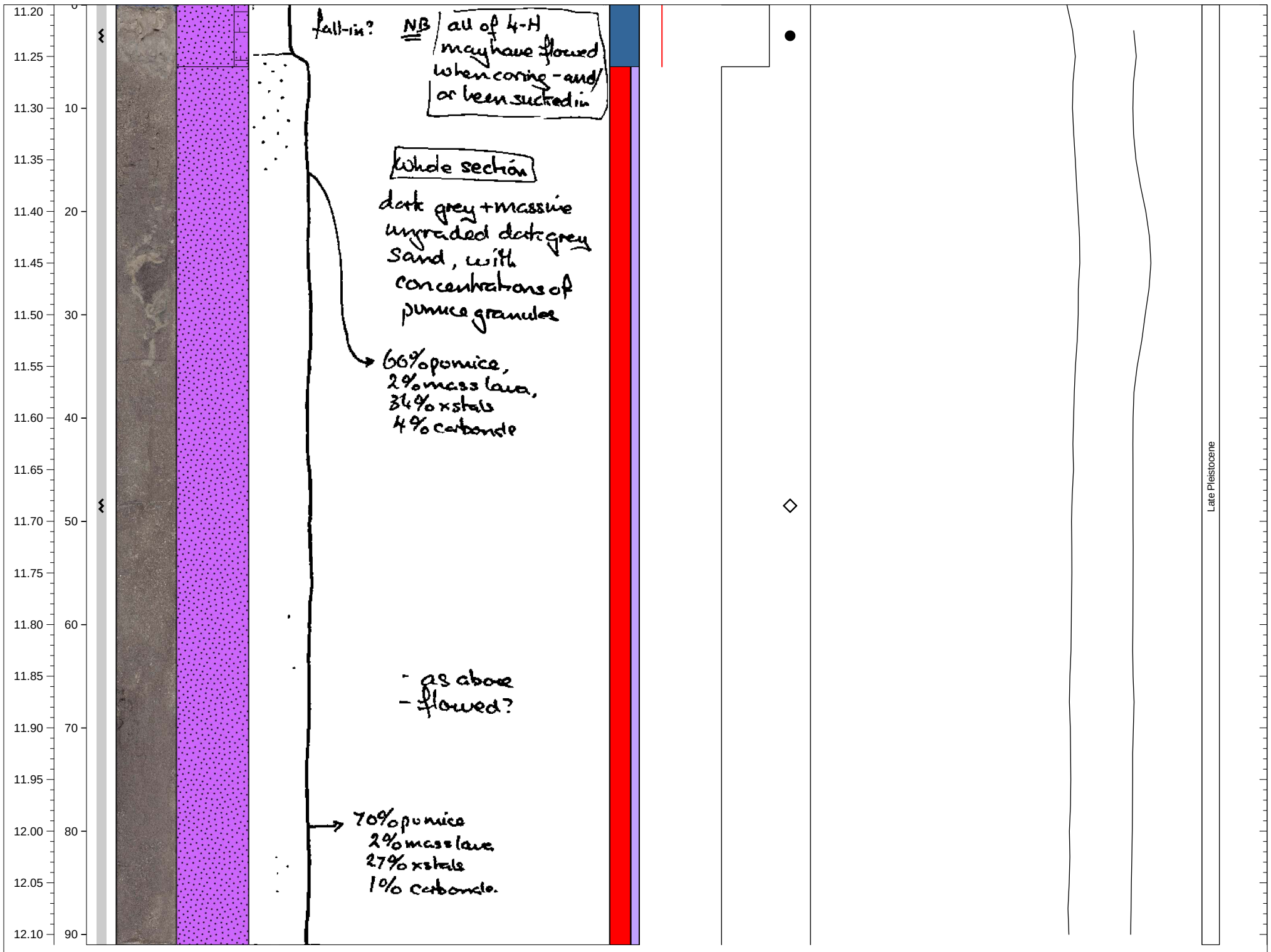
Hole 340-U1400B-3H Section CC, Top of Section: 10.99 CSF-A (m)

Pumiceous turbidite



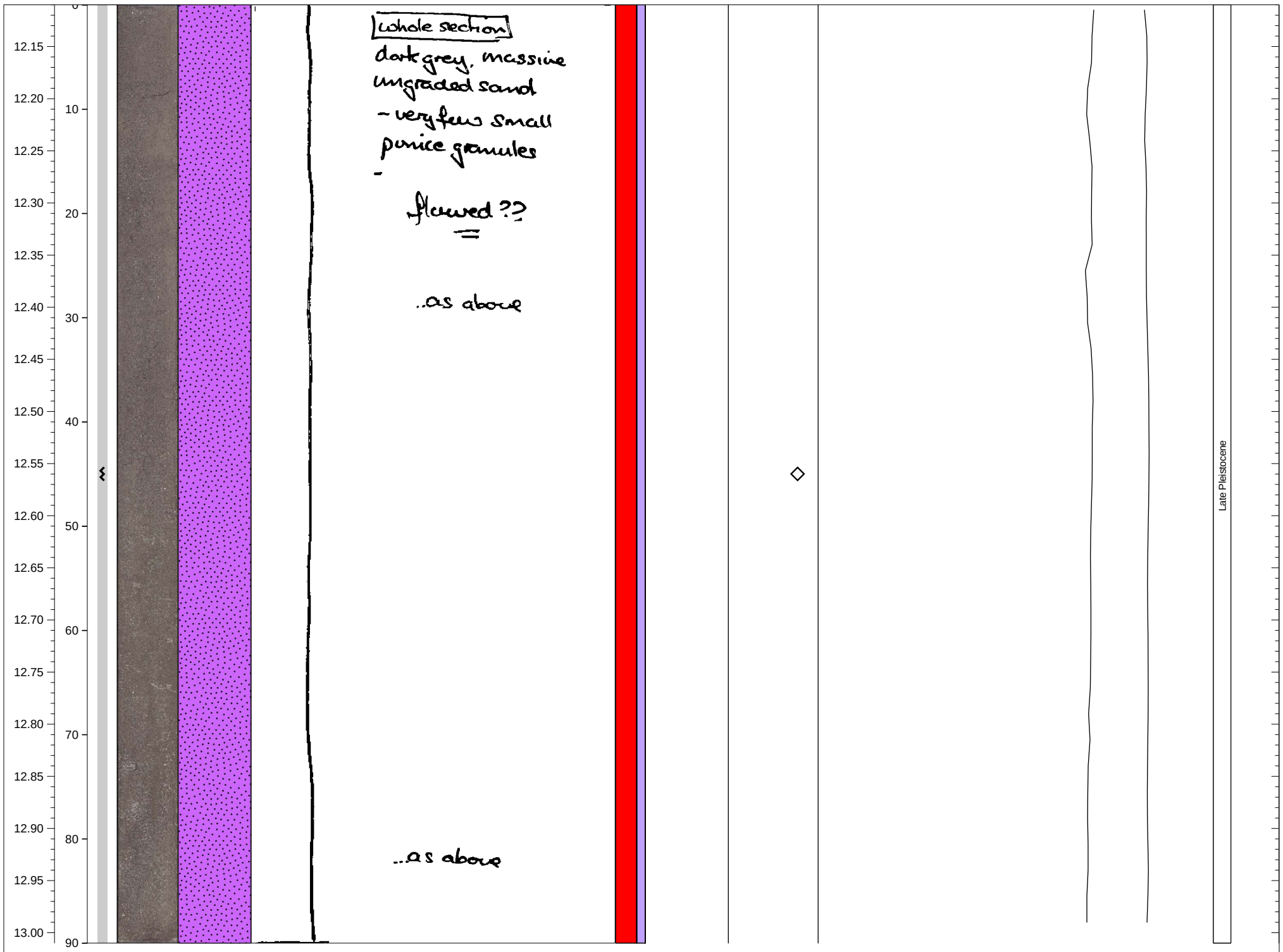
Hole 340-U1400B-4H Section 1, Top of Section: 11.2 CSF-A (m)

Massive volcaniclastic sand



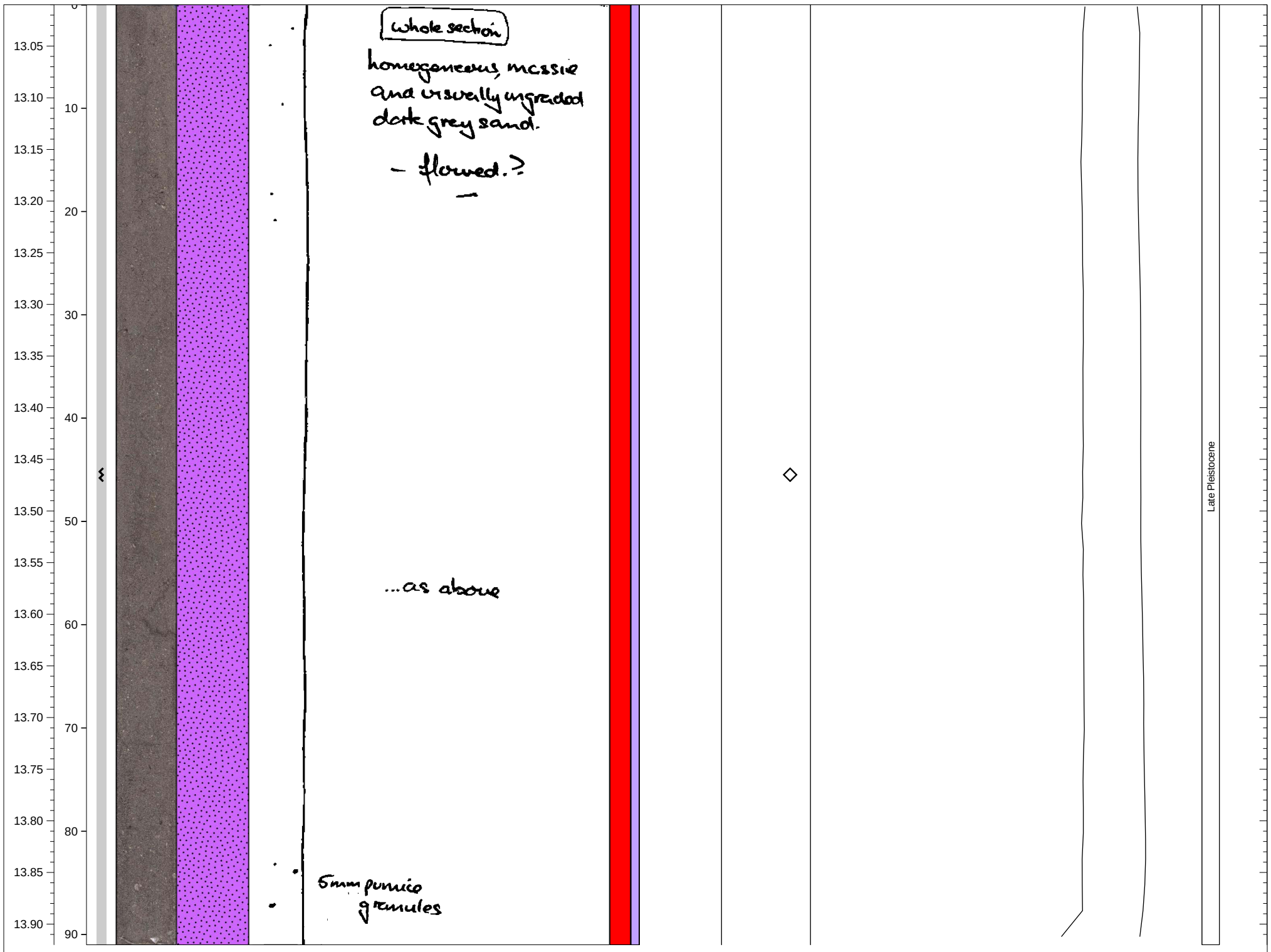
Hole 340-U1400B-4H Section 2, Top of Section: 12.11 CSF-A (m)

Part of massive volcanic sand unit



Hole 340-U1400B-4H Section 3, Top of Section: 13.01 CSF-A (m)

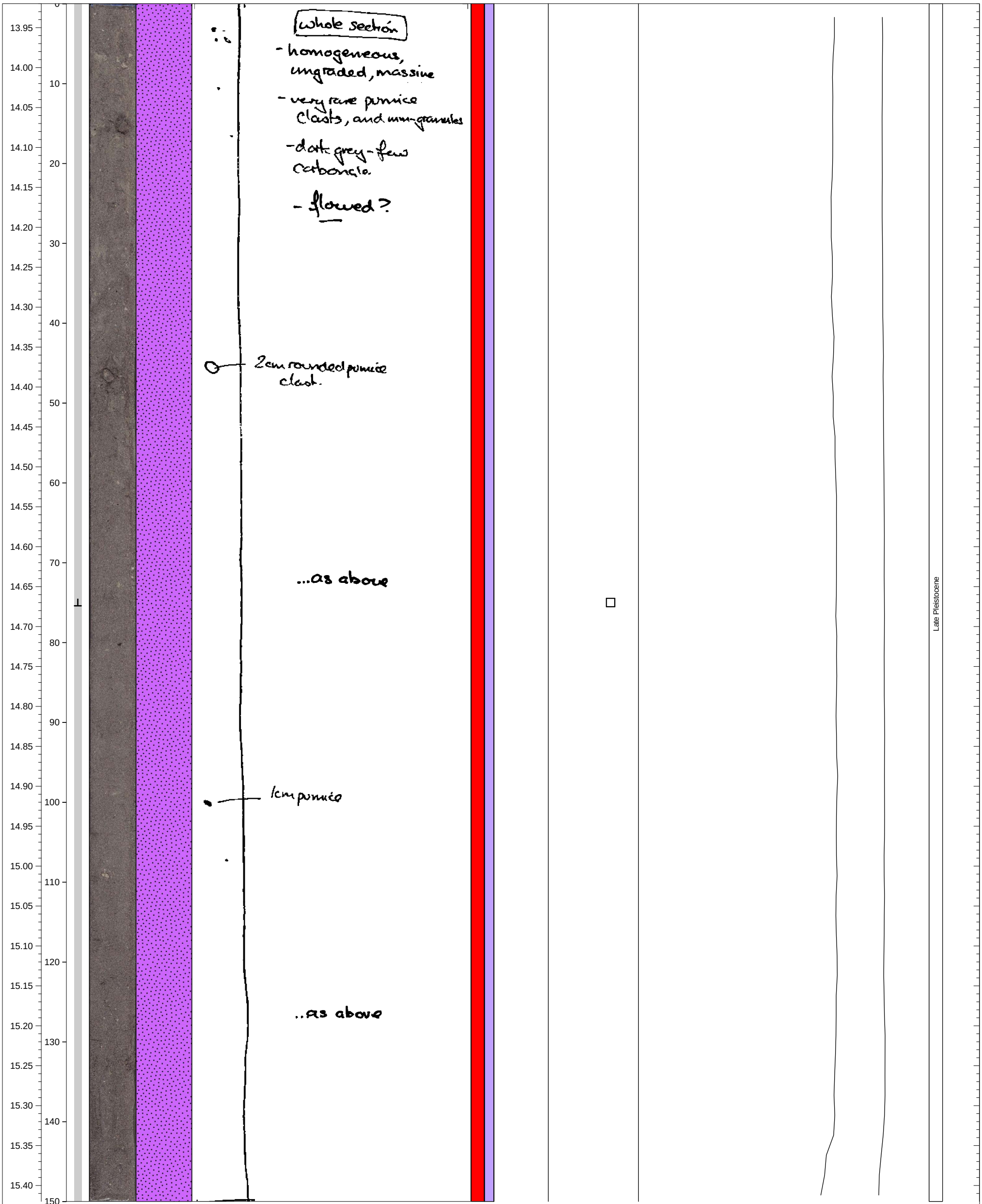
Part of massive volcaniclastic sand



Hole 340-U1400B-4H Section 4, Top of Section: 13.92 CSF-A (m)

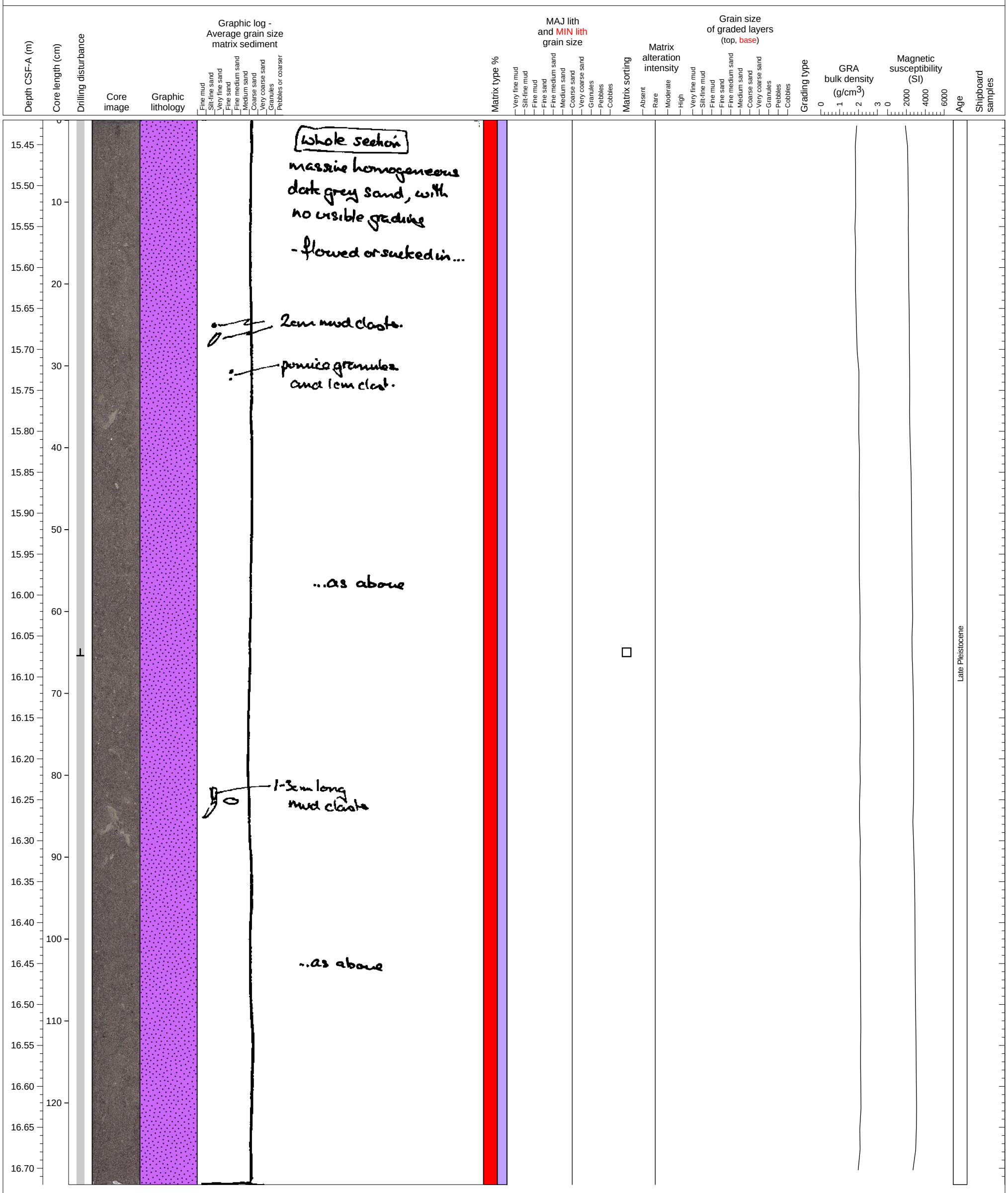
Medium-grained volcaniclastic sand.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
Magnetic susceptibility (SI)
Age
Shipboard samples



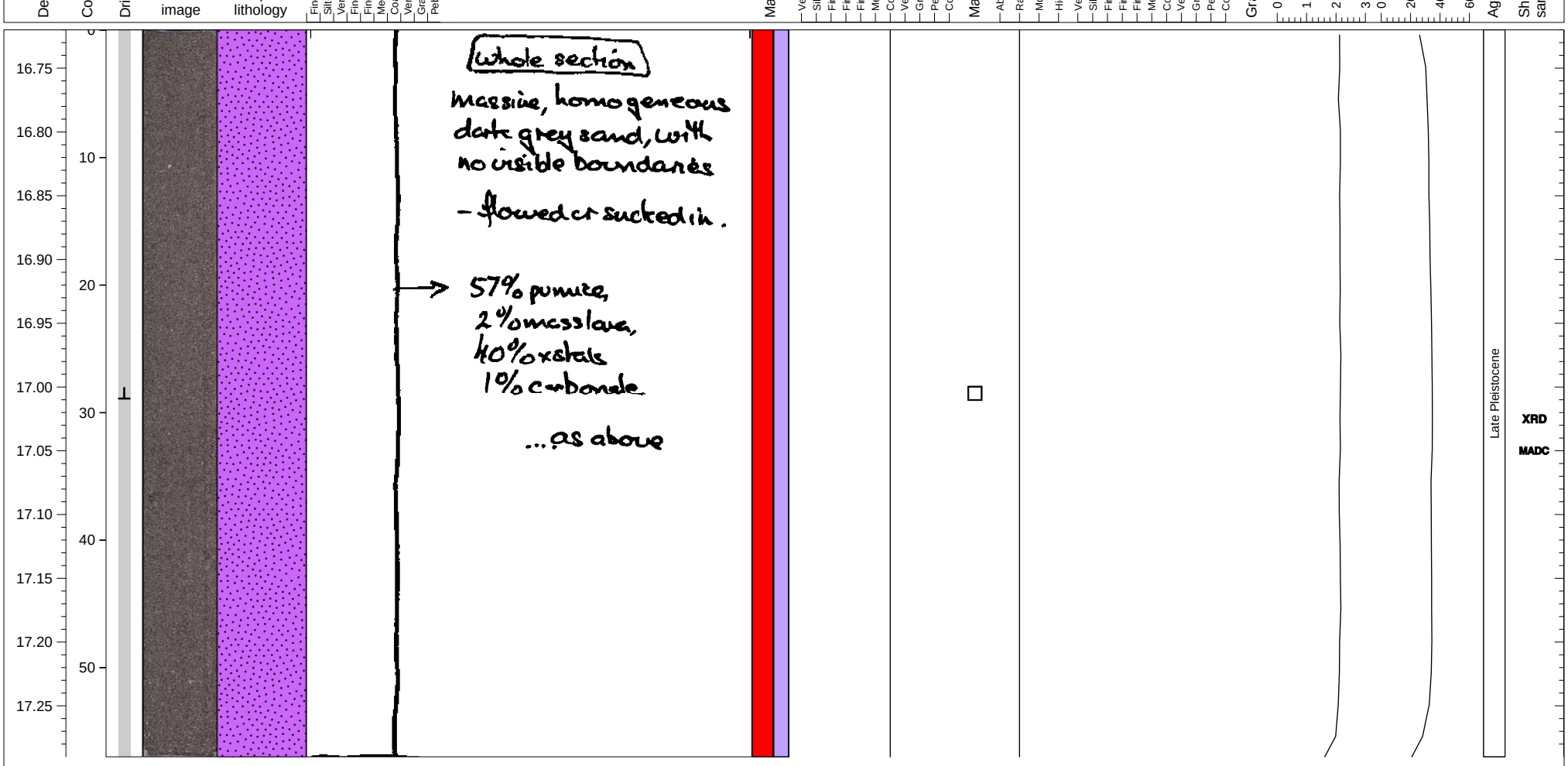
Hole 340-U1400B-4H Section 5, Top of Section: 15.42 CSF-A (m)

Coarse-grained volcaniclastic sand.



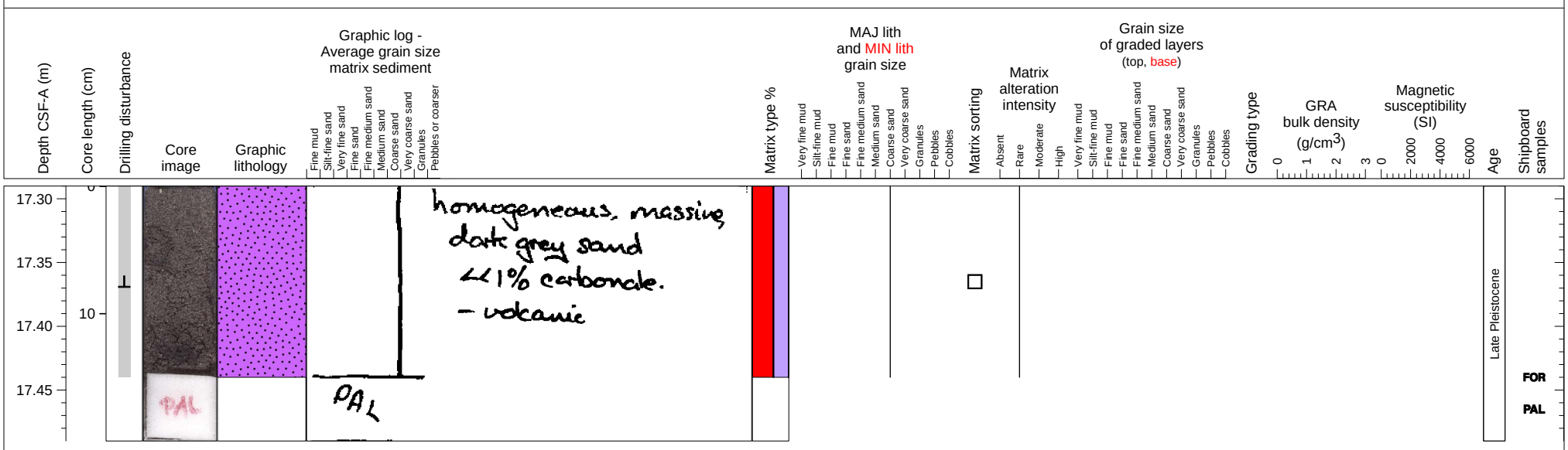
Hole 340-U1400B-4H Section 6, Top of Section: 16.72 CSF-A (m)

Coarse-grained volcaniclastic sand.



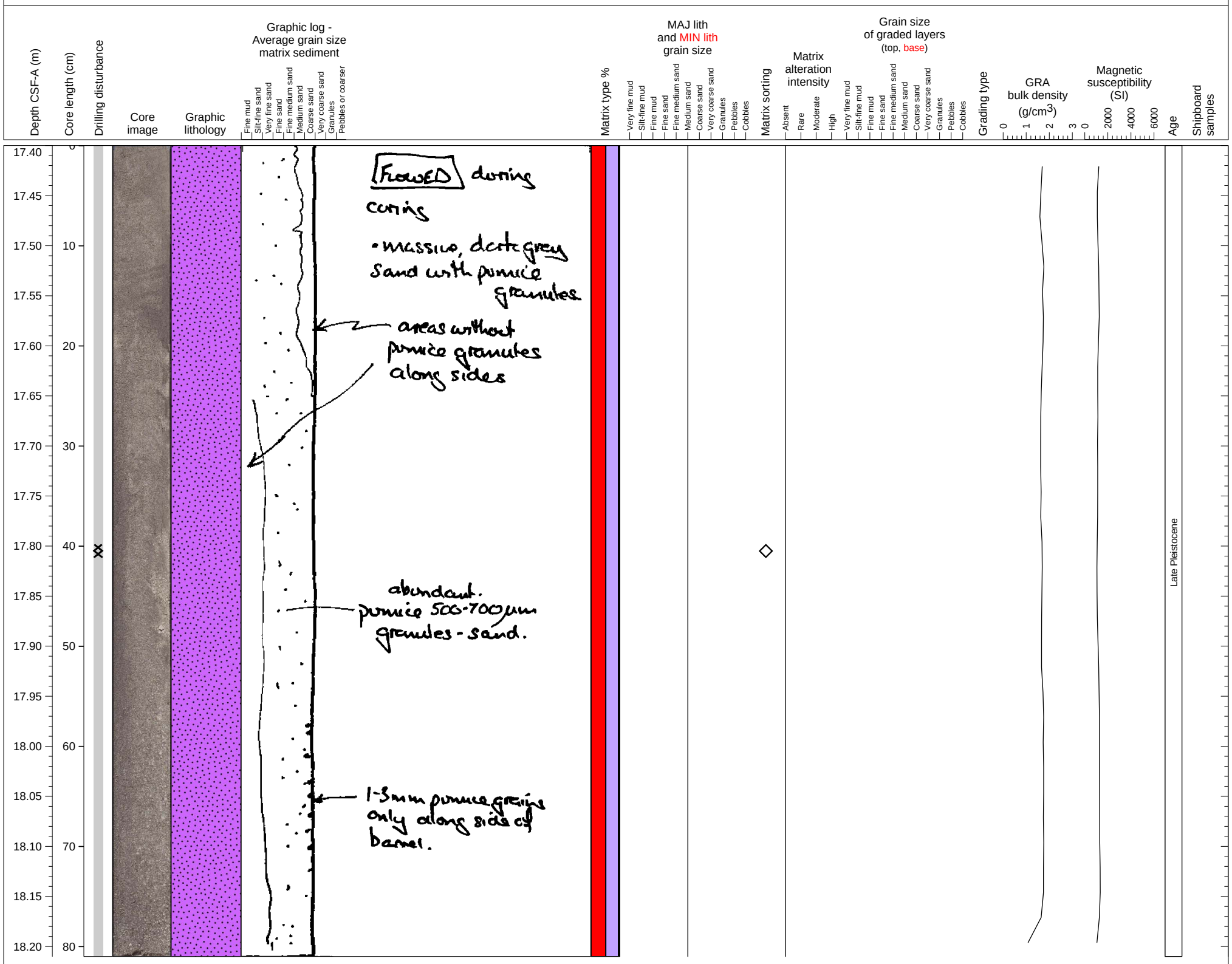
Hole 340-U1400B-4H Section CC, Top of Section: 17.29 CSF-A (m)

Coarse-grained volcaniclastic sand. PAL sample from base.



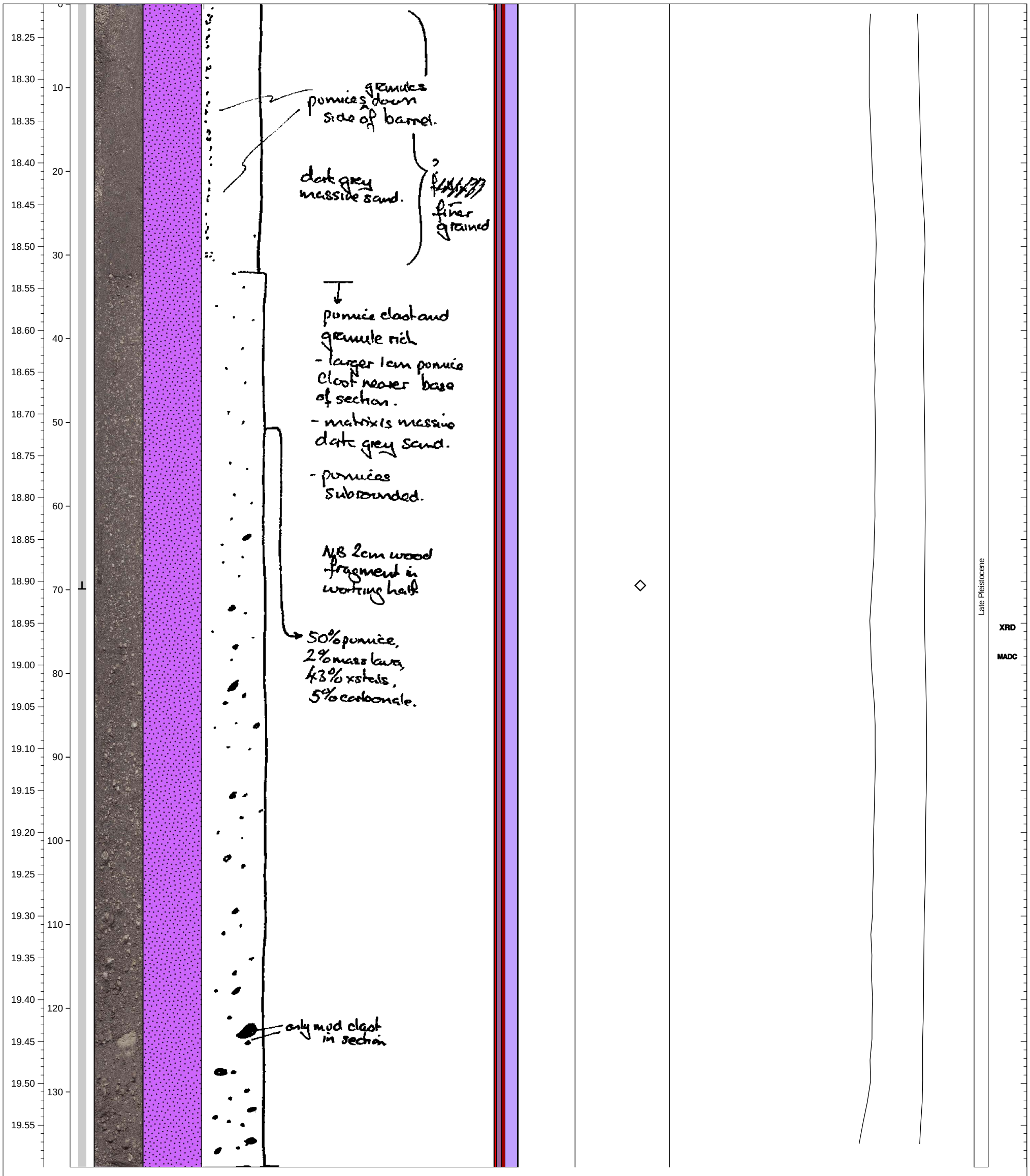
Hole 340-U1400B-5H Section 1, Top of Section: 17.4 CSF-A (m)

Pumice-rich massive volcaniclastic sand



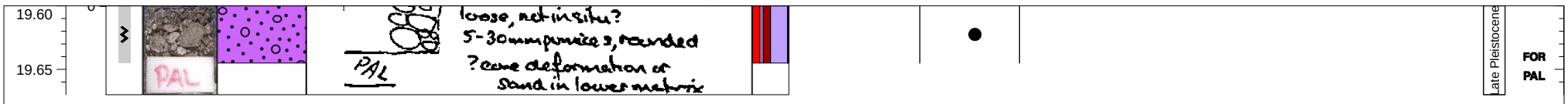
Hole 340-U1400B-5H Section 2, Top of Section: 18.21 CSF-A (m)

Clast-rich volcaniclastic sand.



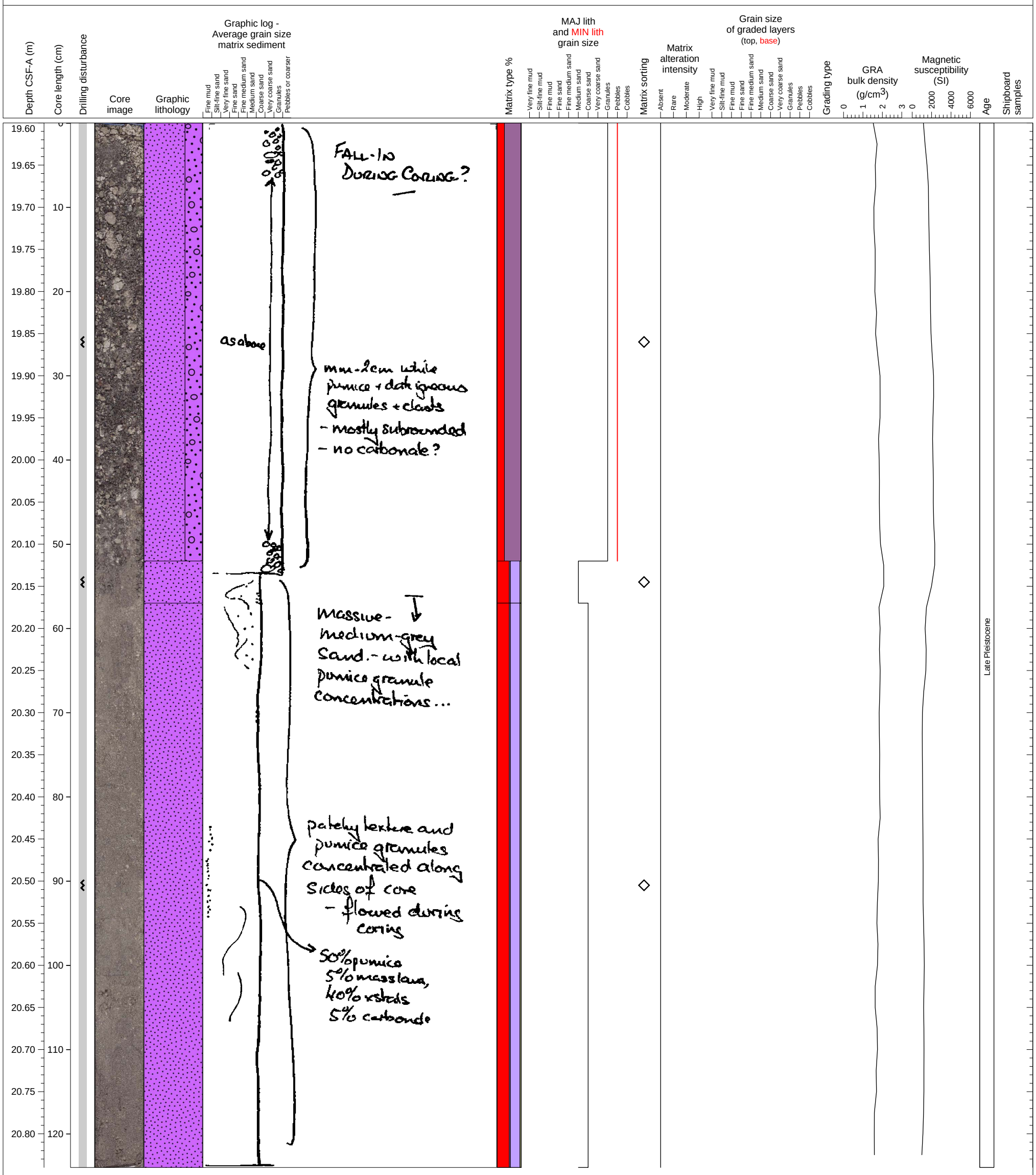
Hole 340-U1400B-5H Section CC, Top of Section: 19.6 CSF-A (m)

Volcaniclastic gravel composed primarily of pumice clasts. PAL sample from section base.



Hole 340-U1400B-6H Section 1, Top of Section: 19.6 CSF-A (m)

Pumice-rich massive volcaniclastic sand. Upper half is occupied by pebble-rich layer caused by drilling disturbance.



Hole 340-U1400B-6H Section 2, Top of Section: 20.84 CSF-A (m)

Part of pumice-rich massive volcaniclastic sand

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment: Fine mud, Silt-fine sand, Very fine sand, Fine sand, Fine medium sand, Medium sand, Coarse sand, Very coarse sand, Granules, Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size: Very fine mud, Silt-fine mud, Fine mud, Fine sand, Fine medium sand, Medium sand, Coarse sand, Very coarse sand, Granules, Pebbles, Cobbles
Matrix sorting
Matrix alteration intensity: Absent, Rare, Moderate, High
Grain size of graded layers (top, base): Very fine mud, Silt-fine mud, Fine mud, Fine sand, Fine medium sand, Medium sand, Coarse sand, Very coarse sand, Granules, Pebbles, Cobbles
Grading type
GRA bulk density (g/cm^3): 0, 1, 2, 3
Magnetic susceptibility (SI): 0, 2000, 4000, 6000
Age
Shipboard samples

20.85 – 0
20.90
10
20.95
21.00
20
21.05
21.10
30
21.15
21.20
40
21.25
21.30
50
21.35
21.40
60
21.45
21.50
70
21.55
21.60
80
21.65
21.70
90
21.75
21.80
100
21.85
21.90
110
21.95
22.00
120
22.05
22.10
130
22.15
22.20
140
22.25
22.30

whole section

massive, ungraded dark grey sand with pumice granules

..as above

→ 50% pumice, 5% mass lava, 43% xtals, 2% carbonate

..as above

subtle - patchy texture core deformation and flowage.

Late Pleistocene

Hole 340-U1400B-6H Section 3, Top of Section: 22.34 CSF-A (m)

Volcaniclastic sand contianing pumice clasts.

Depth CSF-A (m)

Core length (cm)

Drilling disturbance

Core image

Graphic lithology

Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser

Matrix type %

MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles

Matrix sorting

Matrix alteration intensity
Absent
Rare
Moderate
High

Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles

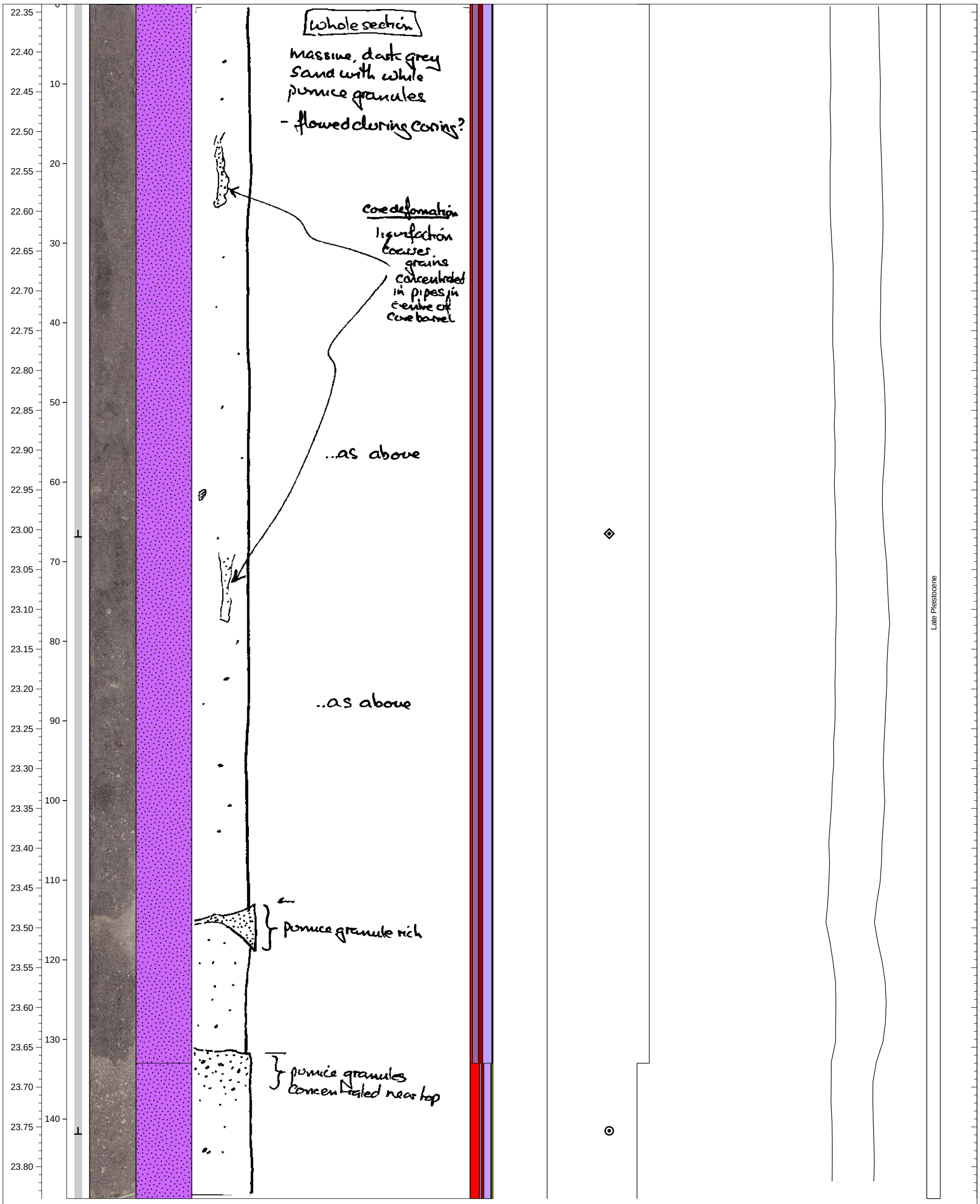
Grading type

GRA bulk density (g/cm^3)
0
1
2
3

Magnetic susceptibility (SI)
0
2000
4000
6000

Age

Shipboard samples



Hole 340-U1400B-6H Section 4, Top of Section: 23.84 CSF-A (m)

Medium-grained volcaniclastic sand containing pumice granules.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

23.85
23.90
23.95
24.00
24.05
24.10
24.15
24.20
24.25
24.30
24.35
24.40
24.45
24.50
24.55
24.60
24.65
24.70
24.75
24.80
24.85
24.90
24.95
25.00
25.05
25.10
25.15
25.20
25.25
25.30

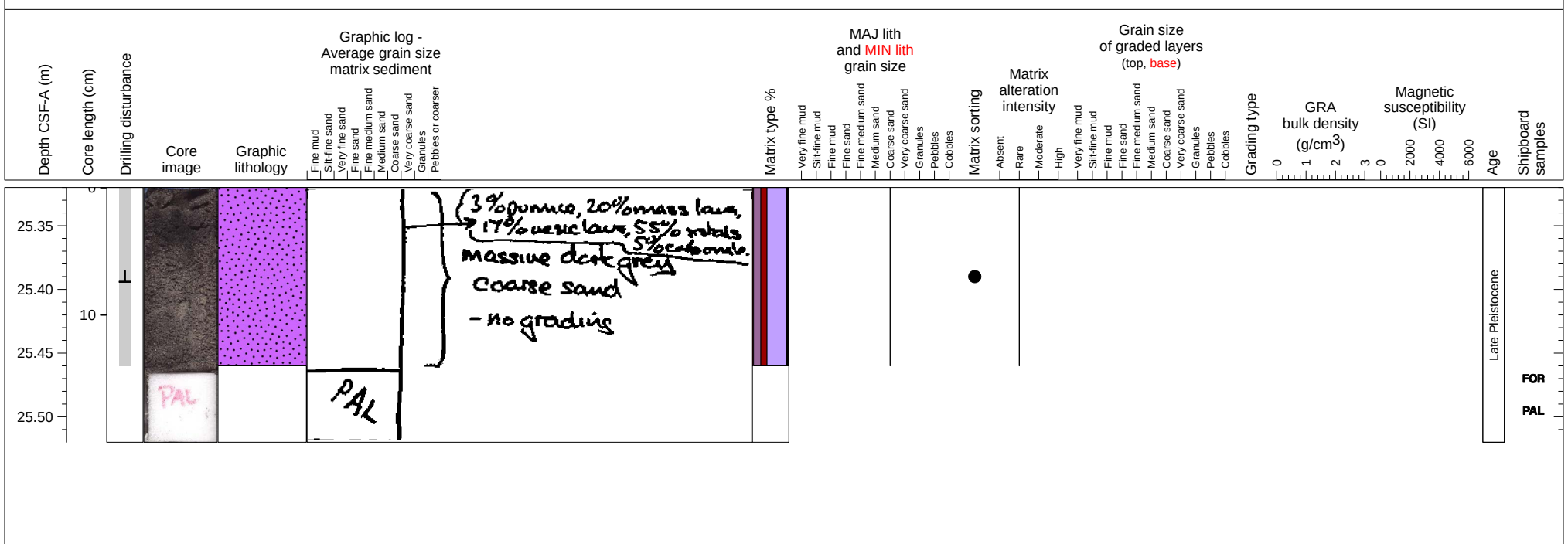
0
10
30
40
50
60
70
80
90
100
110
120
130
140

Whole section
massive dark grey sand with white pumice granules
..as above
laminae, pumice granules
..as above
5% pumice, 30% mass lava, 10% vesic lava, 40% xtals, 15% carbonate
patchy - subtle texture ?coring disturbance.
5mm pumice and mud clasts
disseminated black organic carbon

Late Pleistocene
XRD
MADC

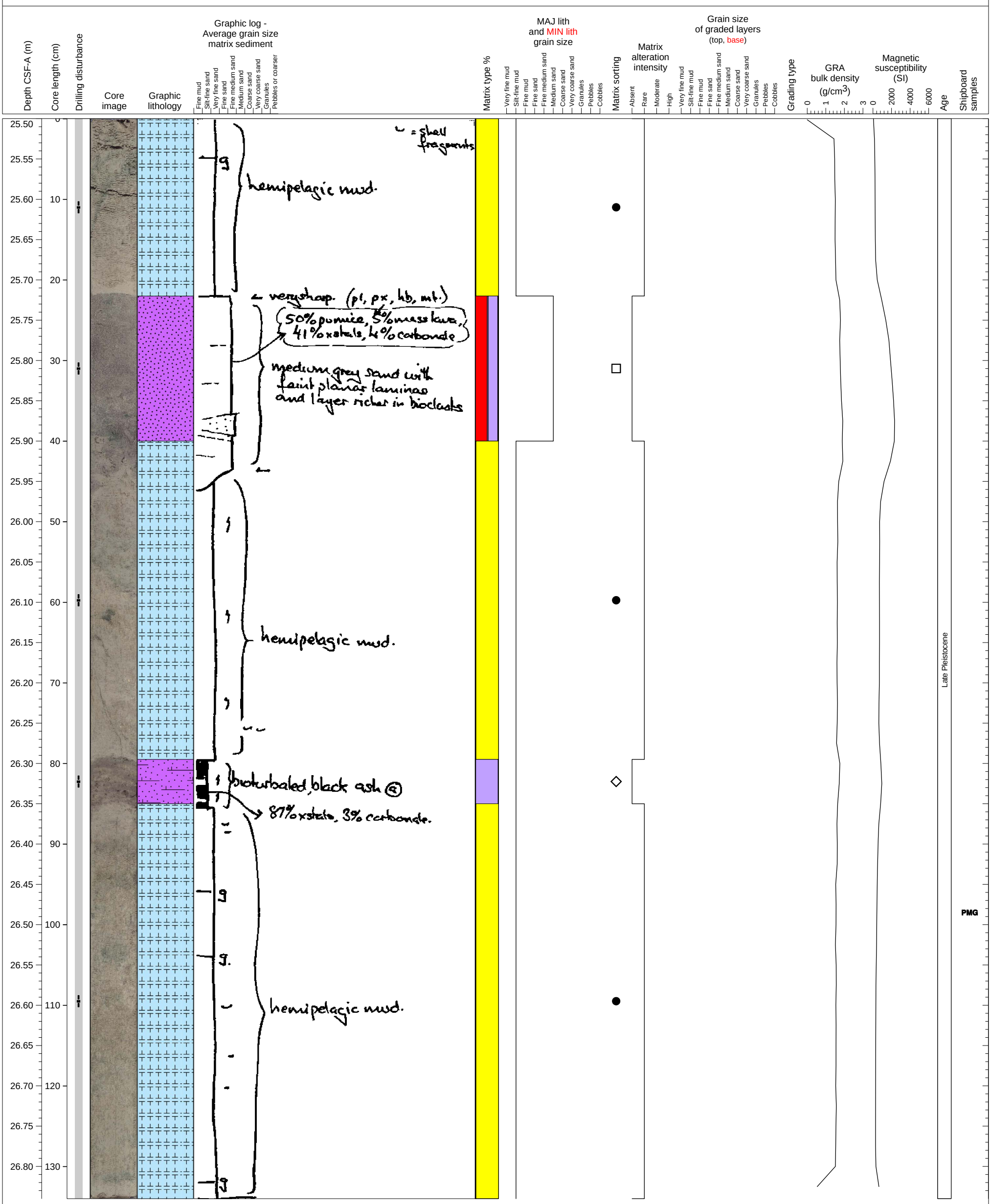
Hole 340-U1400B-6H Section CC, Top of Section: 25.32 CSF-A (m)

Coarse-grained volcaniclastic sand.



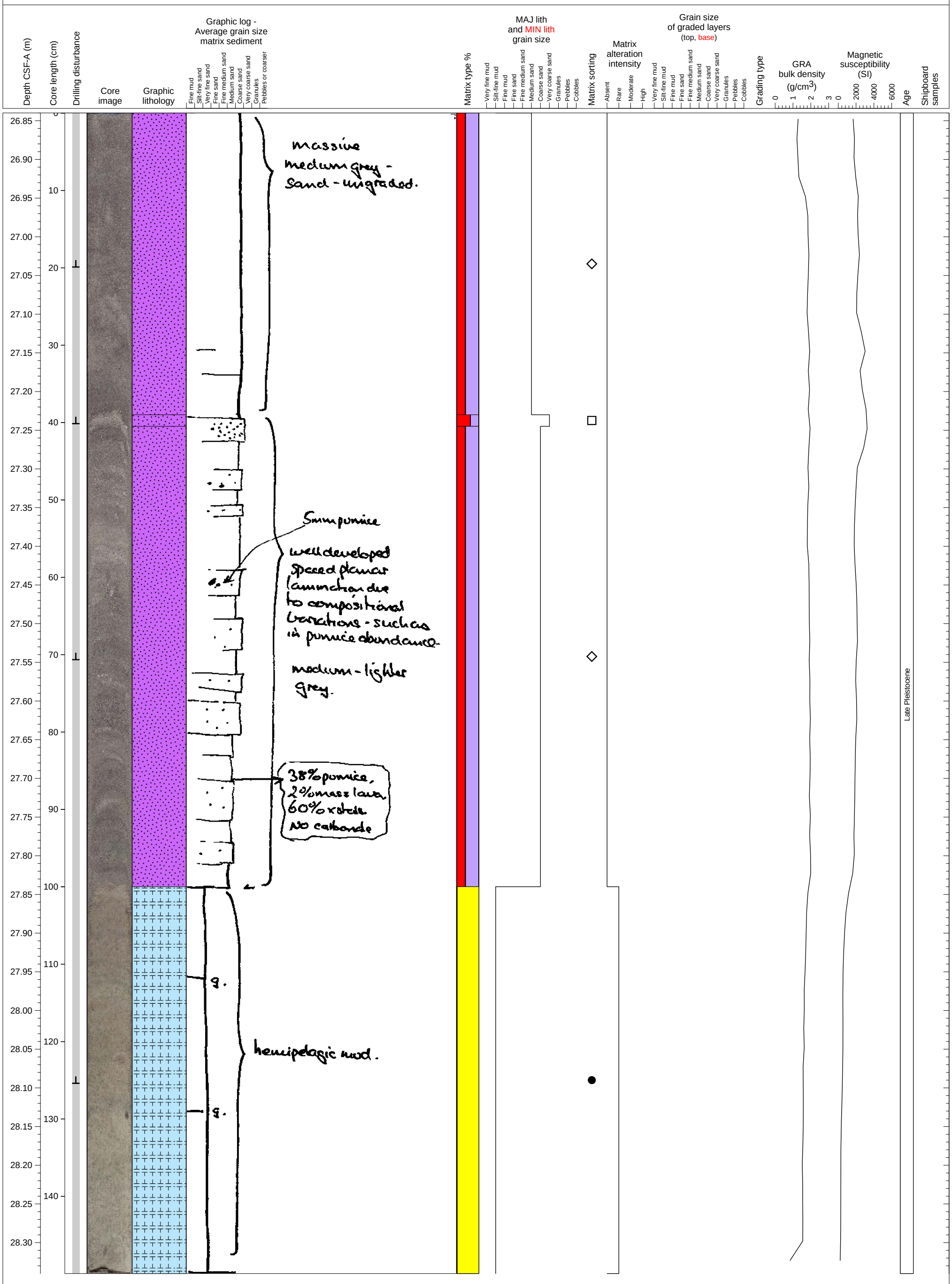
Hole 340-U1400B-7H Section 1, Top of Section: 25.5 CSF-A (m)

Hemipelagic clay interlayered with a turbidite unit and a tephra layer.



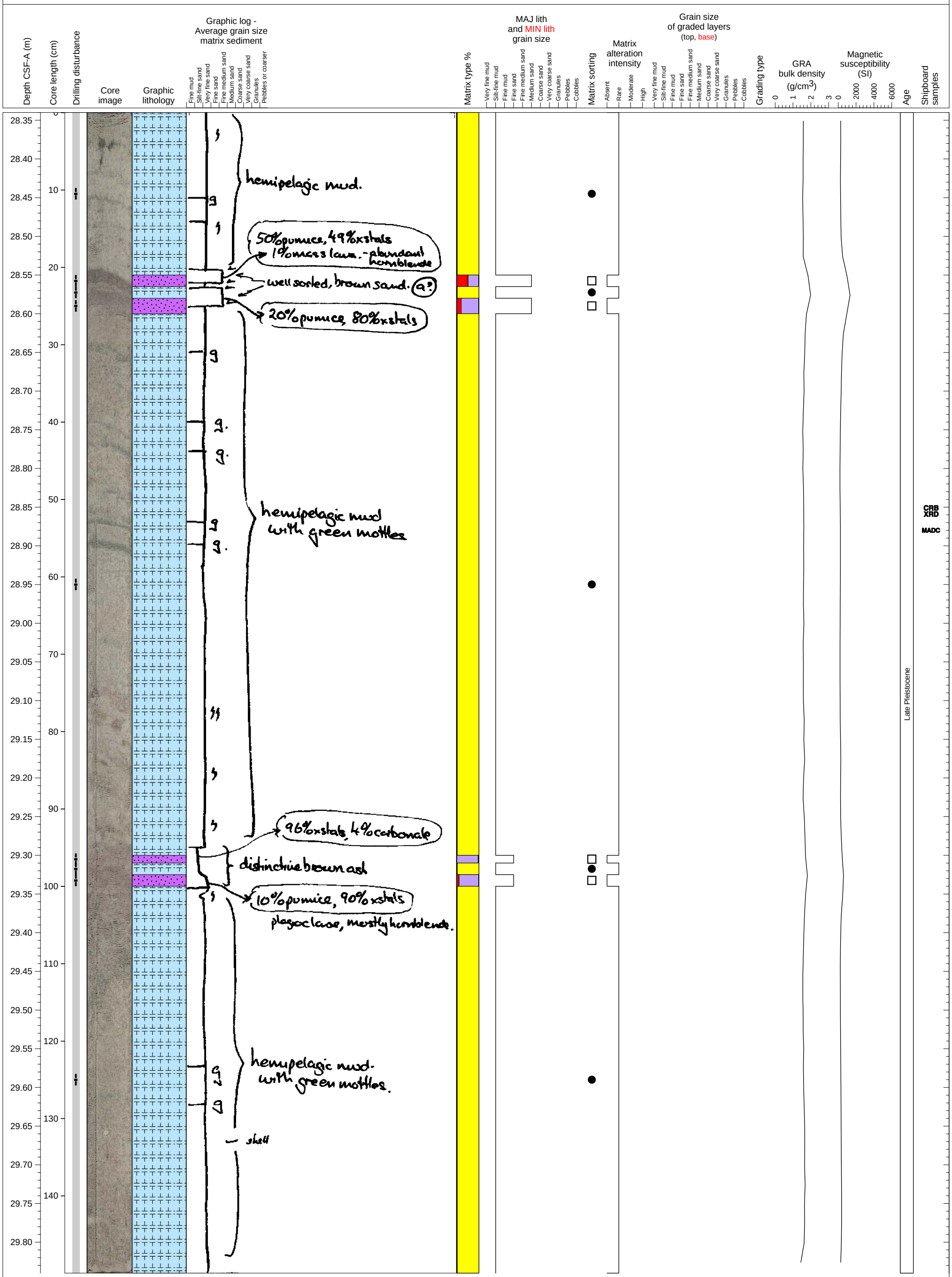
Hole 340-U1400B-7H Section 2, Top of Section: 26.84 CSF-A (m)

Volcaniclastic turbidite with compositional or grain size layering at the bottom of the unit, overlying hemipelagic clay.



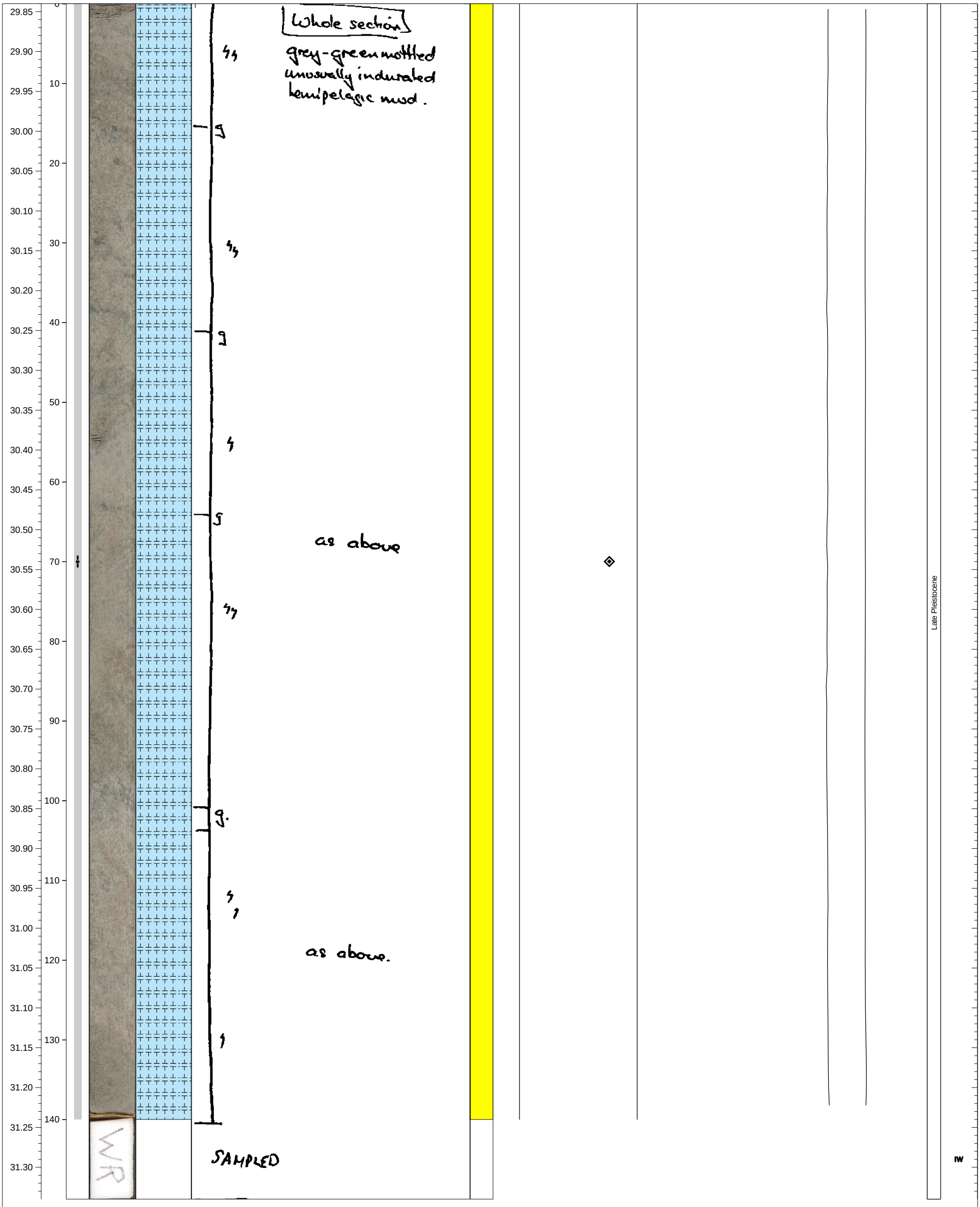
Hole 340-U1400B-7H Section 3, Top of Section: 28.34 CSF-A (m)

Hemipelagic clay interlayered with four tephra layers.



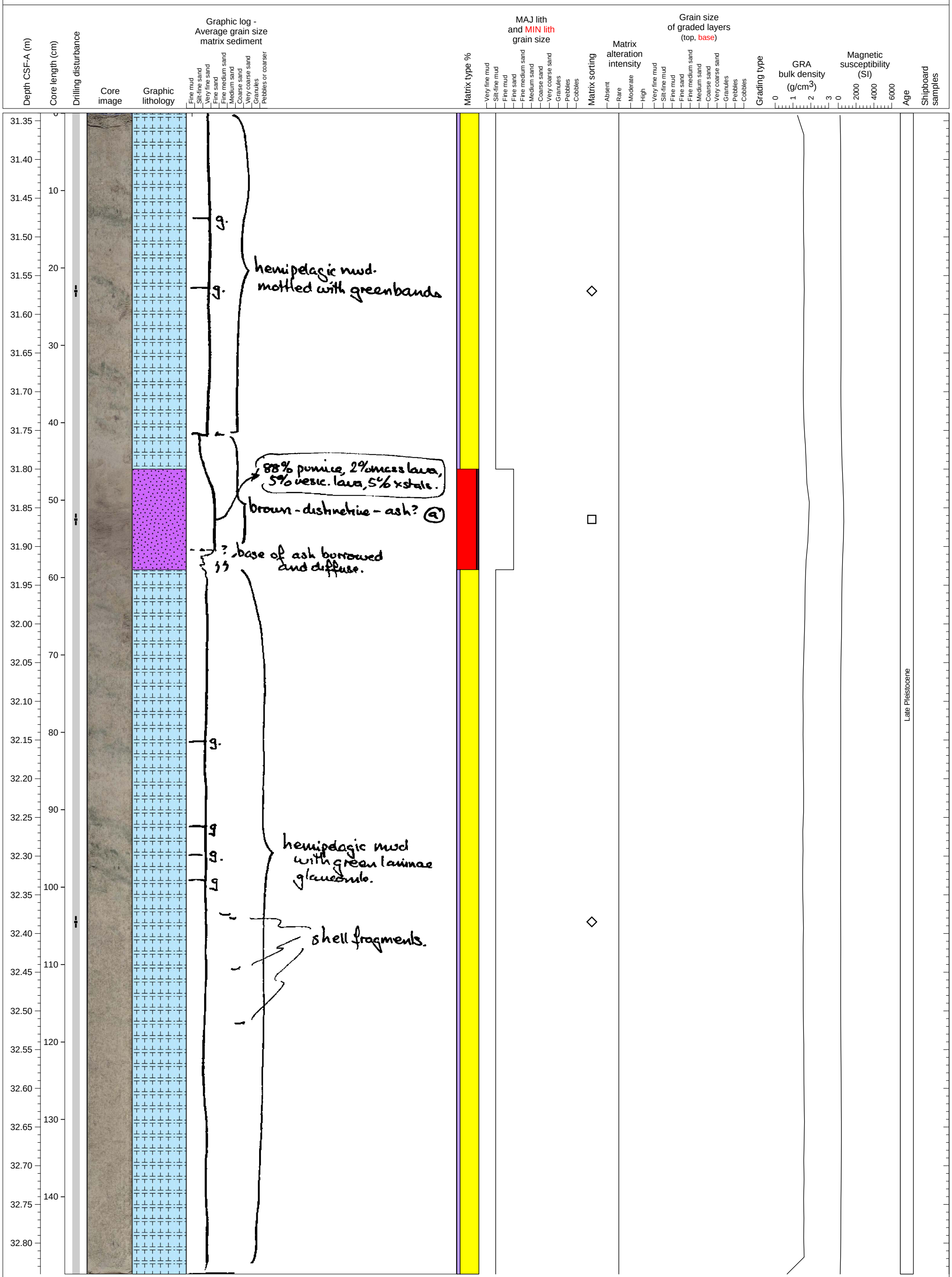
Hole 340-U1400B-7H Section 4, Top of Section: 29.84 CSF-A (m)

Hemipelagic clay.



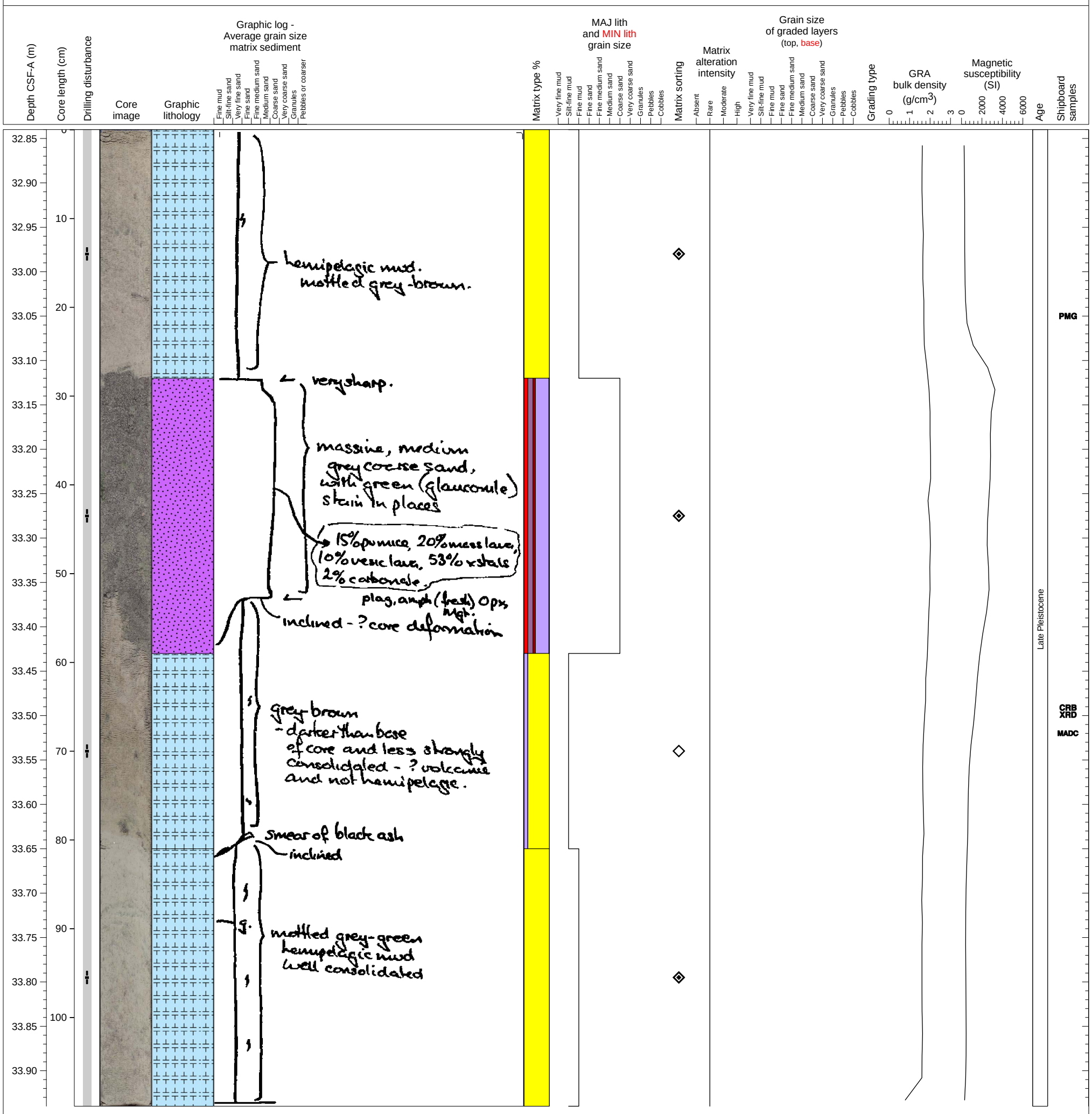
Hole 340-U1400B-7H Section 5, Top of Section: 31.34 CSF-A (m)

Hemipelagic clay with volcaniclastic sand interlayered.



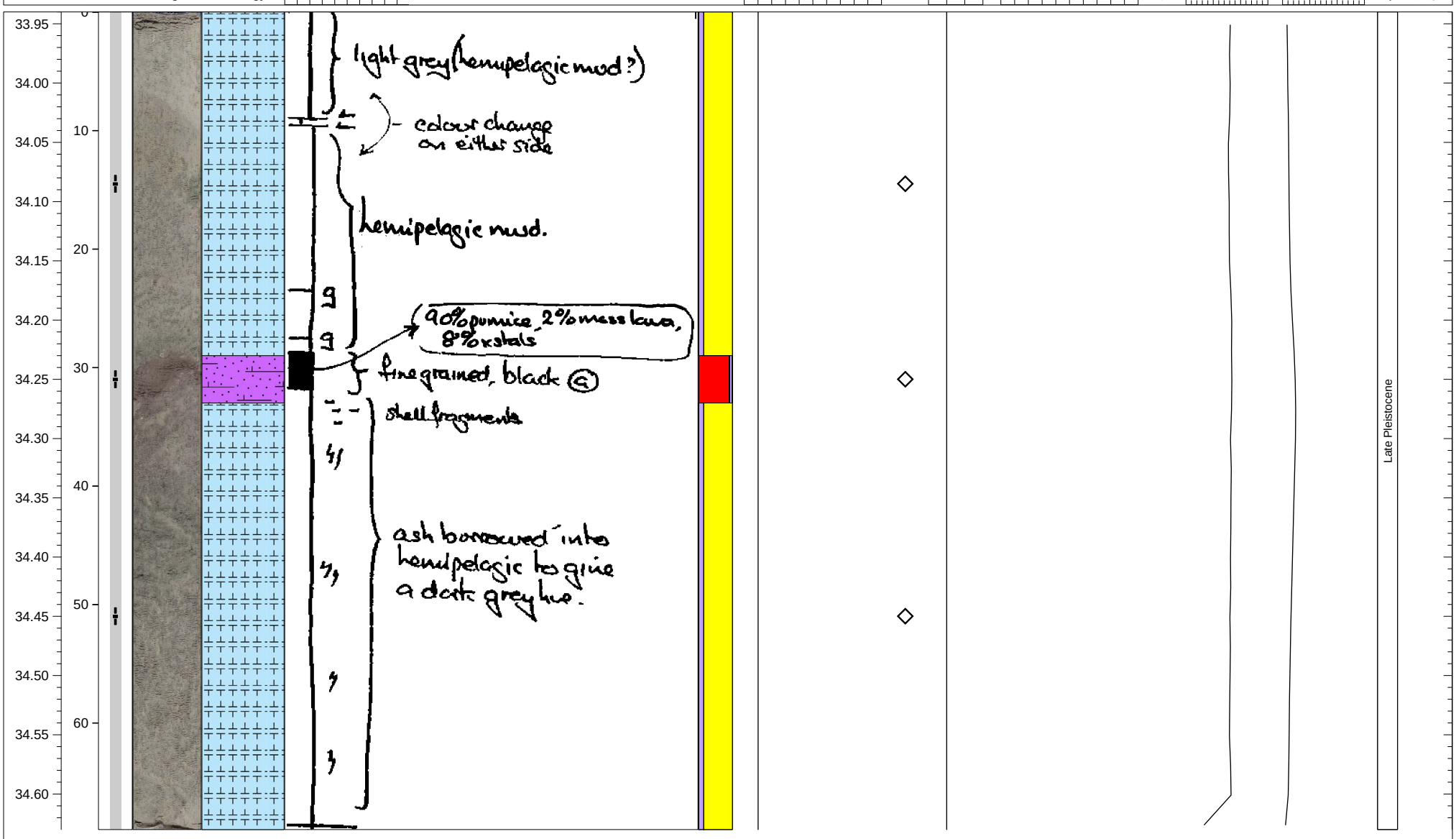
Hole 340-U1400B-7H Section 6, Top of Section: 32.84 CSF-A (m)

Hemipelagic clay with volcaniclastic sand interlayered.



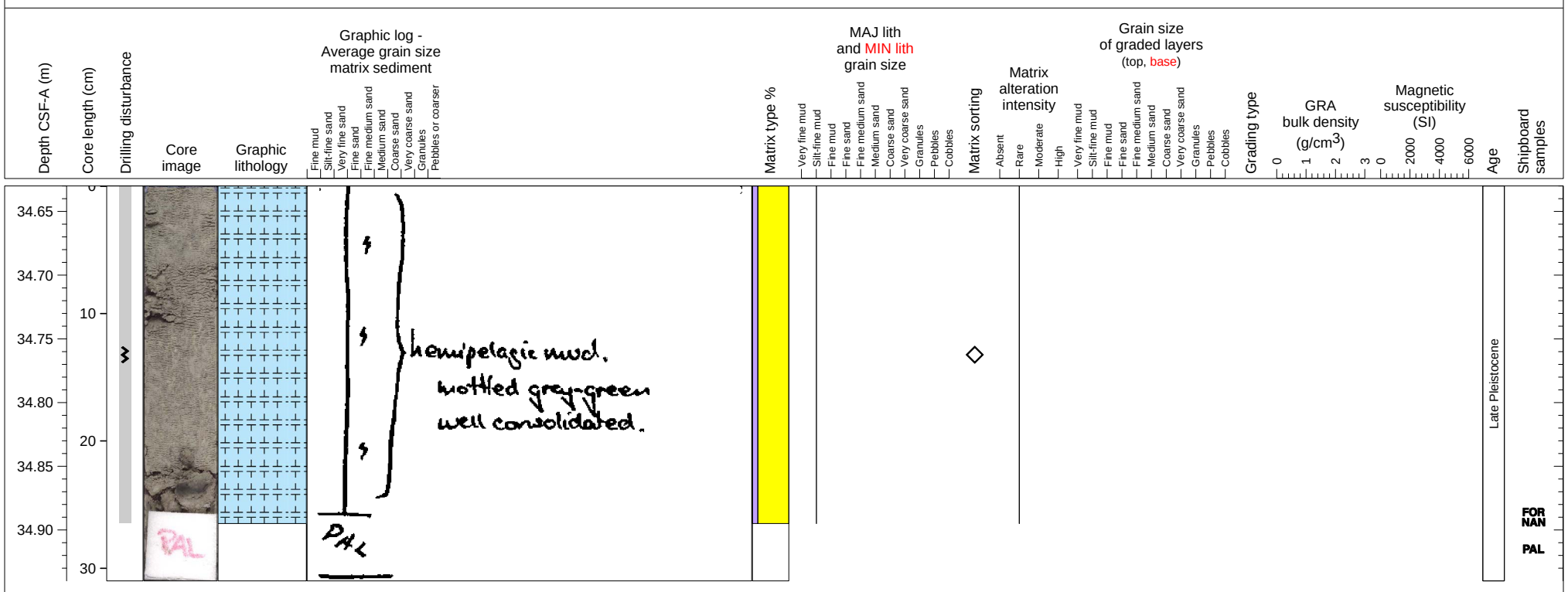
Hole 340-U1400B-7H Section 7, Top of Section: 33.94 CSF-A (m)

Hemipelagic clay with volcaniclastic sand interlayered.



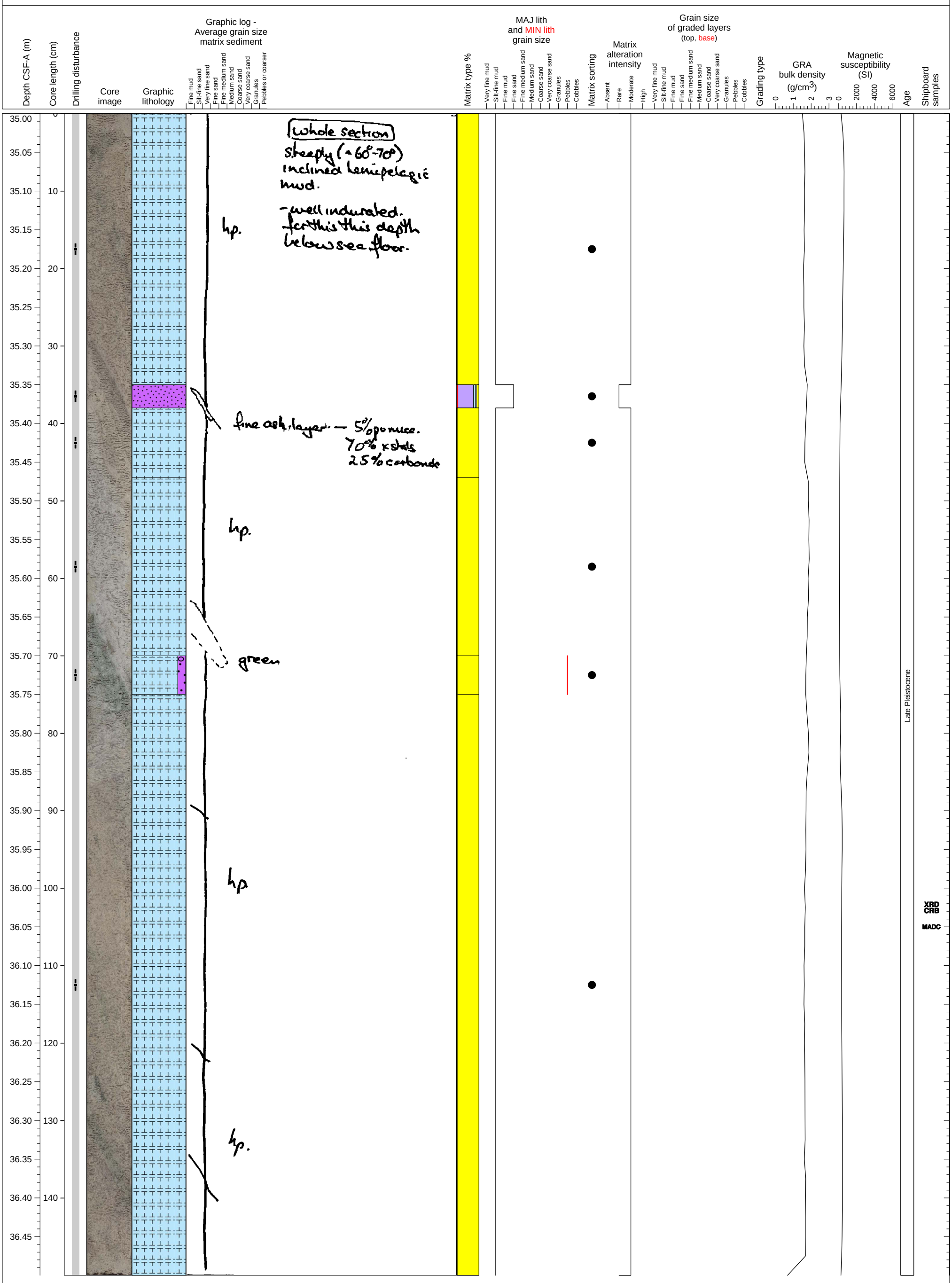
Hole 340-U1400B-7H Section CC, Top of Section: 34.63 CSF-A (m)

Hemipelagic clay. PAL sample from base.



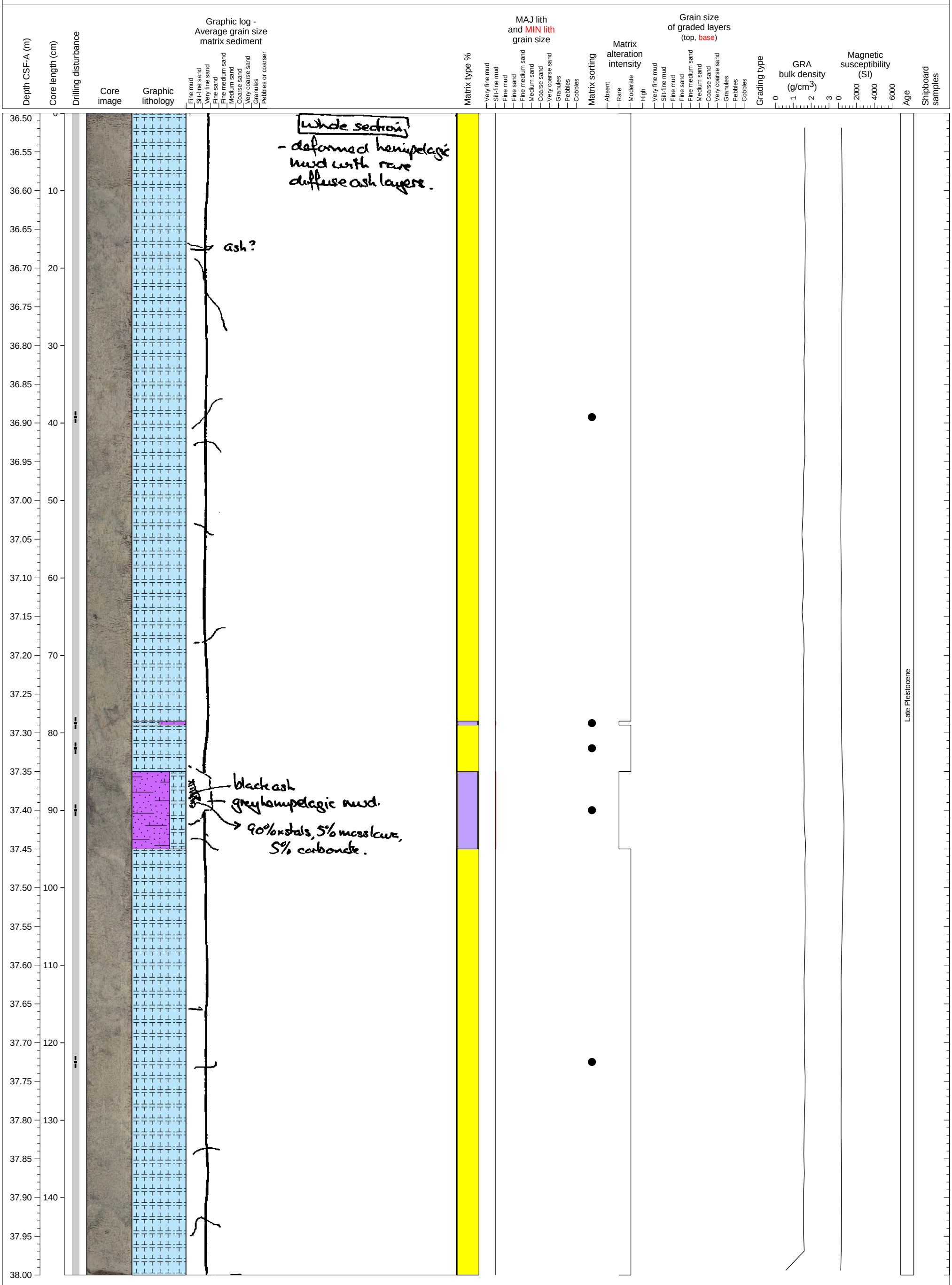
Hole 340-U1400B-8H Section 1, Top of Section: 35.0 CSF-A (m)

Inclined hemipelagic clay unit interlayered with a tephra layer.



Hole 340-U1400B-8H Section 2, Top of Section: 36.5 CSF-A (m)

Deformed hemipelagic clays interlayered with tephra layers.



Hole 340-U1400B-8H Section 3, Top of Section: 38.0 CSF-A (m)

Deformed hemipelagic clay interlayered with tephra layers.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
Magnetic susceptibility (SI)
Age
Shipboard samples

Whole section
- inclined consistently at ~20°
hemipelagic mud.
two black laminae. - ashes?
hp
medium grey clean sand. - some matrix soluble ??
black laminae - planar
repeated?
hemipelagic mud.
inclined. two black ash laminae.
v. fine, green clay more deformed.
Late Pleistocene

Hole 340-U1400B-8H Section 4, Top of Section: 39.5 CSF-A (m)

Highly deformed hemipelagic clay with ash interlayered.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

Whole section
- upper 80cm strongly contorted, recumbent folds, and large (10-15cm) clasts of hemipelagic mud.
- lower 82-150cm more massive hemipelagic mud

light grey clast of hemipelagic mud.

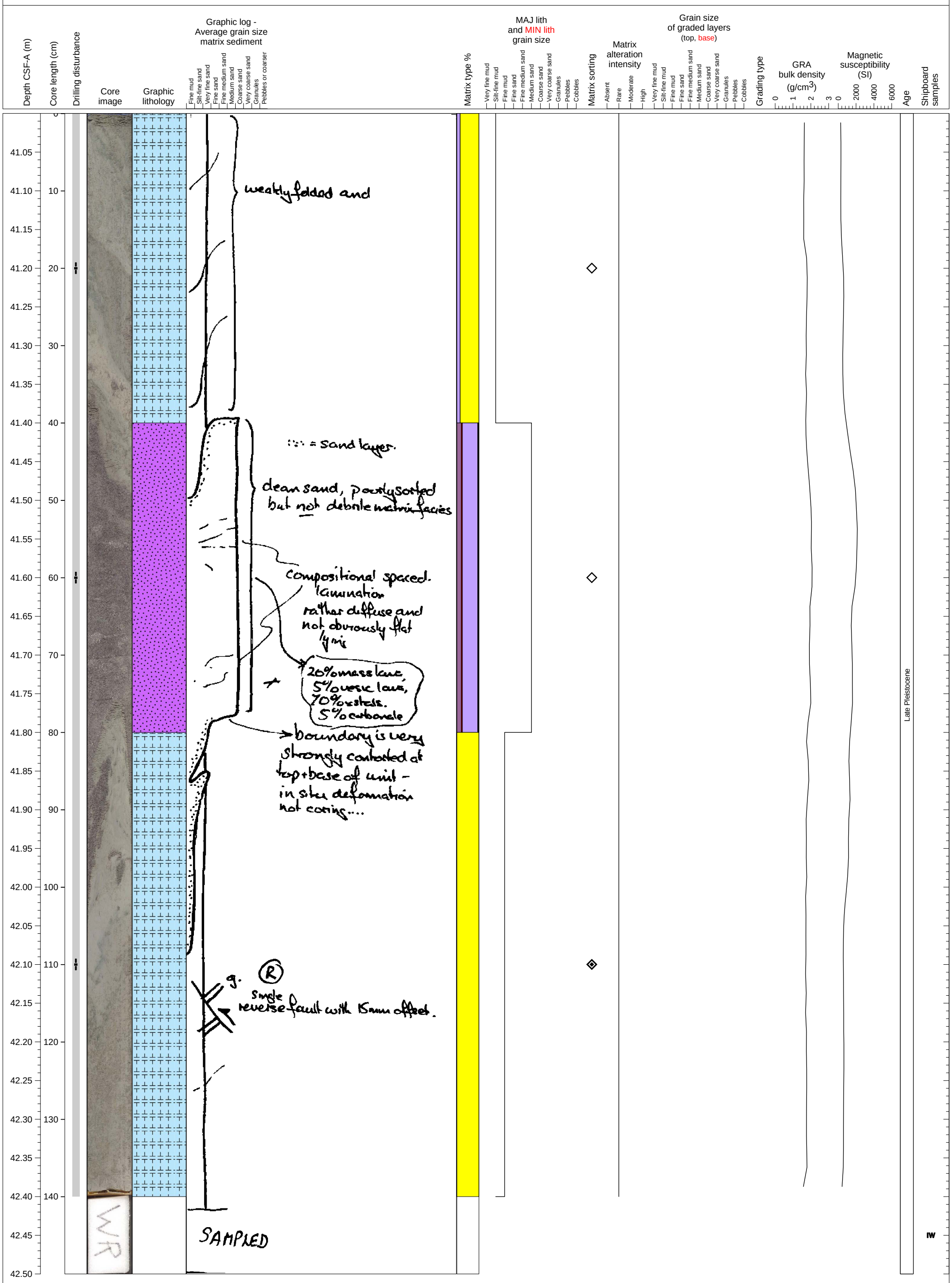
ash?

60% pumice, 3% mesostasis, 7% xtals, 30% carbonate
brown- ash?

Late Pleistocene

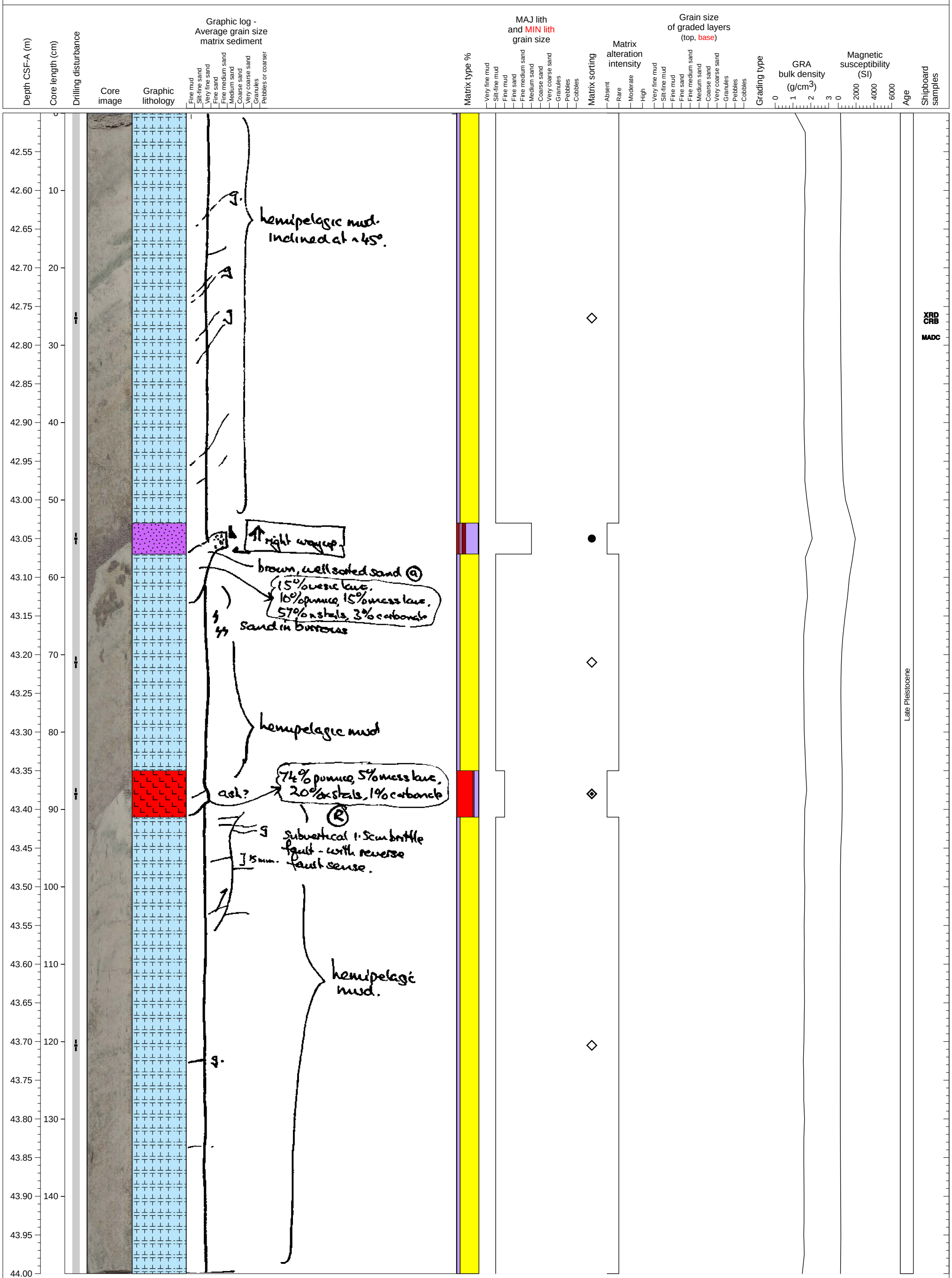
Hole 340-U1400B-8H Section 5, Top of Section: 41.0 CSF-A (m)

Highly deformed hemipelagic clay interlayered with volcaniclastic sand. WR from section base.



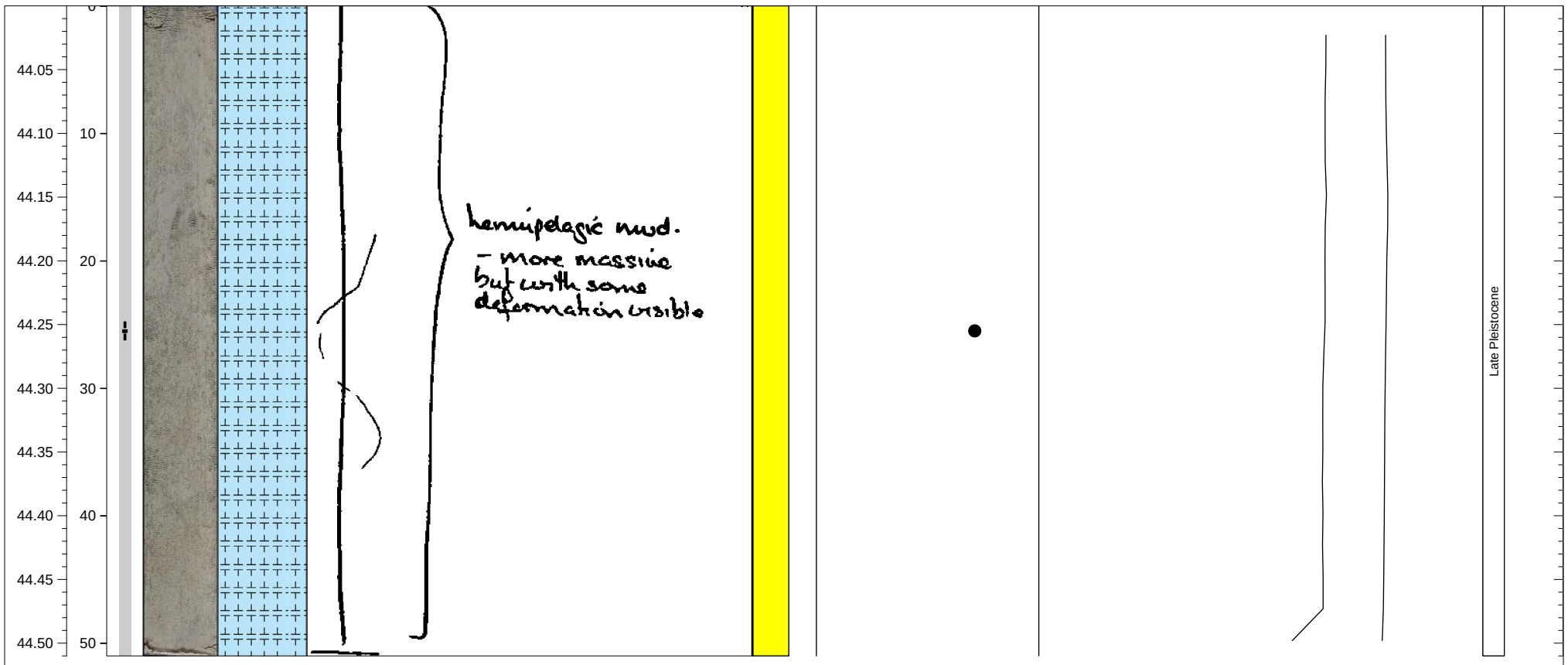
Hole 340-U1400B-8H Section 6, Top of Section: 42.5 CSF-A (m)

Deformed hemipelagic clay interlayered in an inclined manner with volcaniclastic sand and ash.



Hole 340-U1400B-8H Section 7, Top of Section: 44.0 CSF-A (m)

Hemipelagic clay

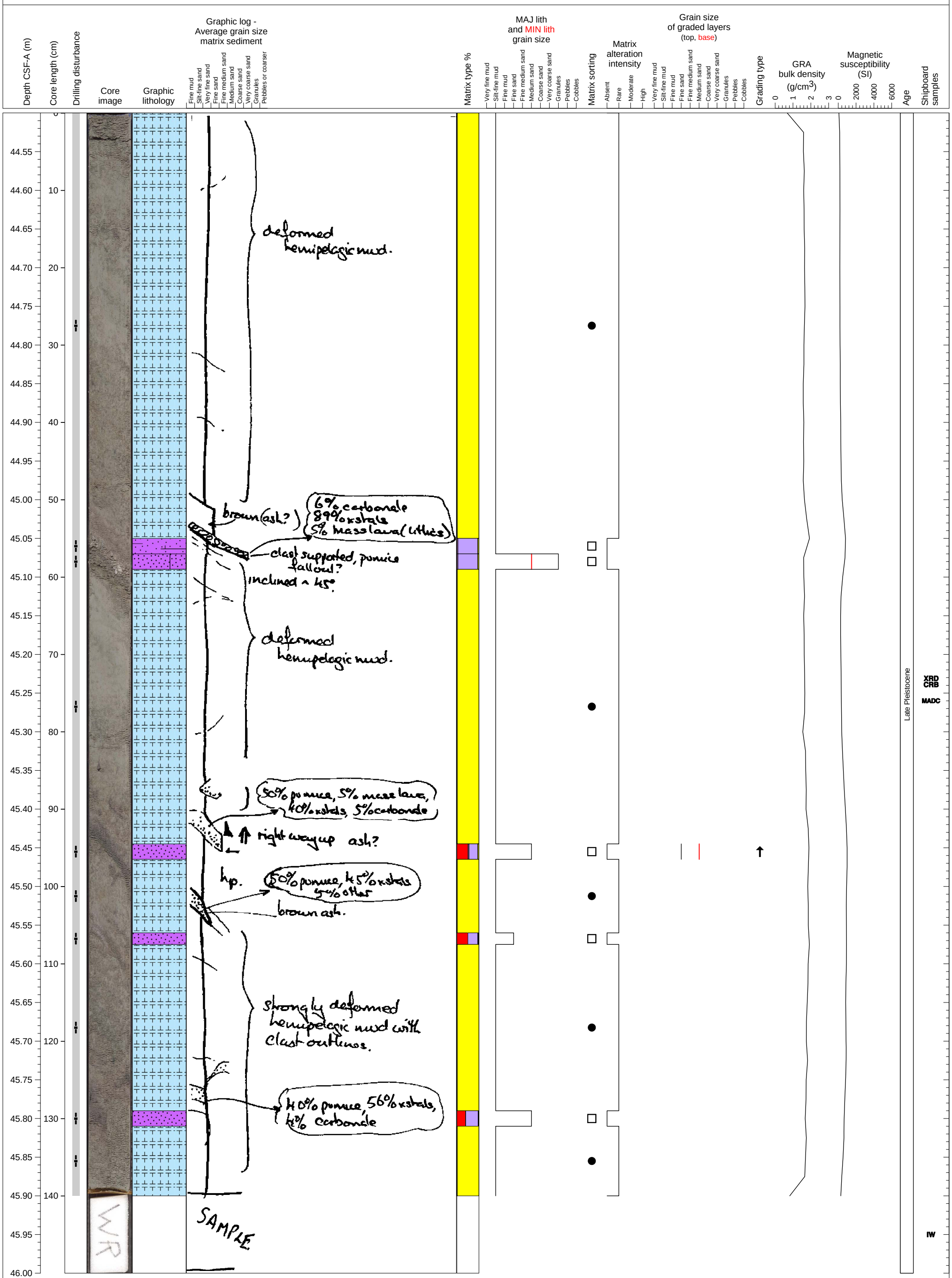


Hole 340-U1400B-8H Section CC, Top of Section: 44.51 CSF-A (m)

Deformed hemipelagic clay. PAL sample from base.

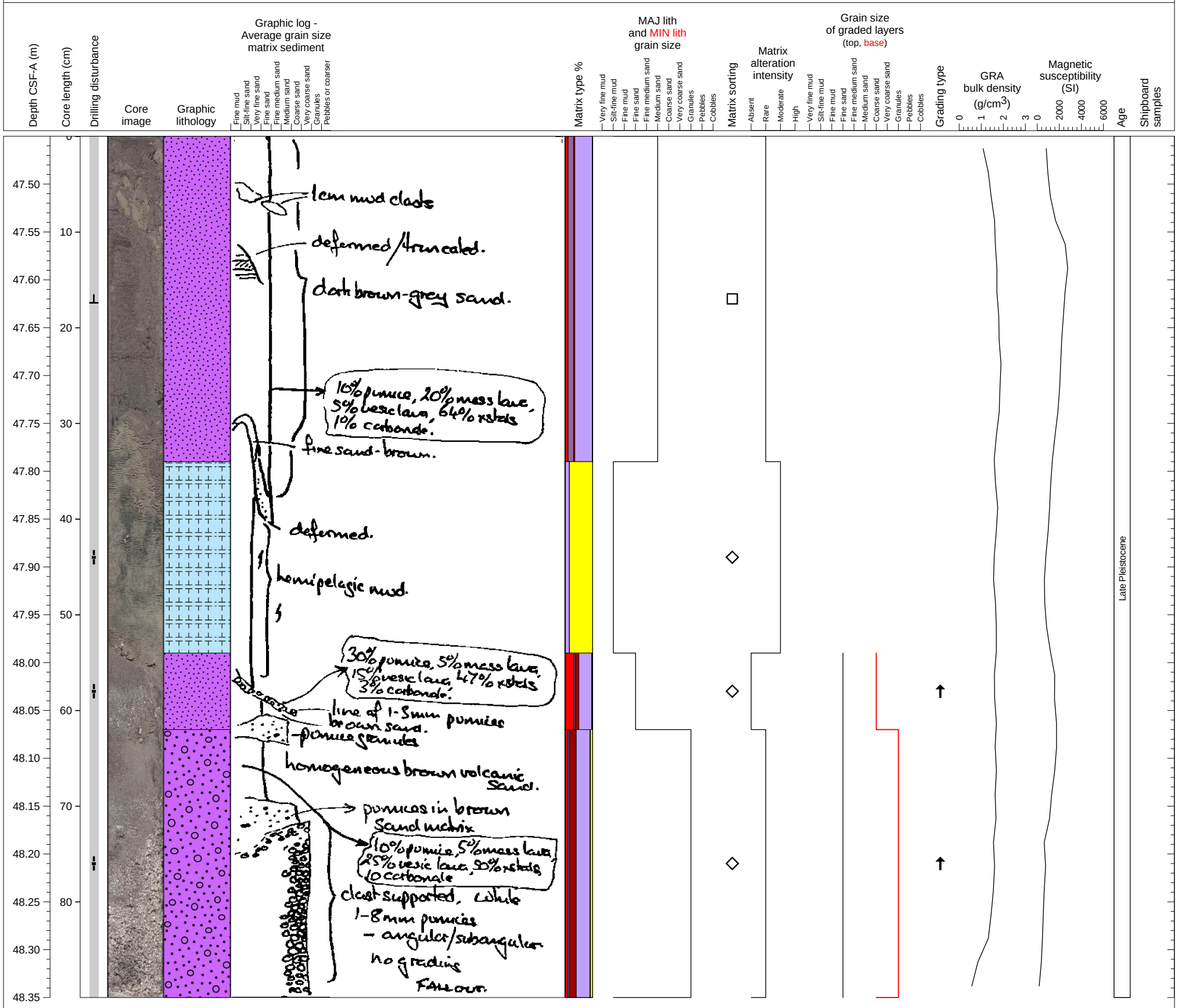
Hole 340-U1400B-9H Section 1, Top of Section: 44.5 CSF-A (m)

Deformed and inclined hemipelagic mud interlayered with four tephra layers.



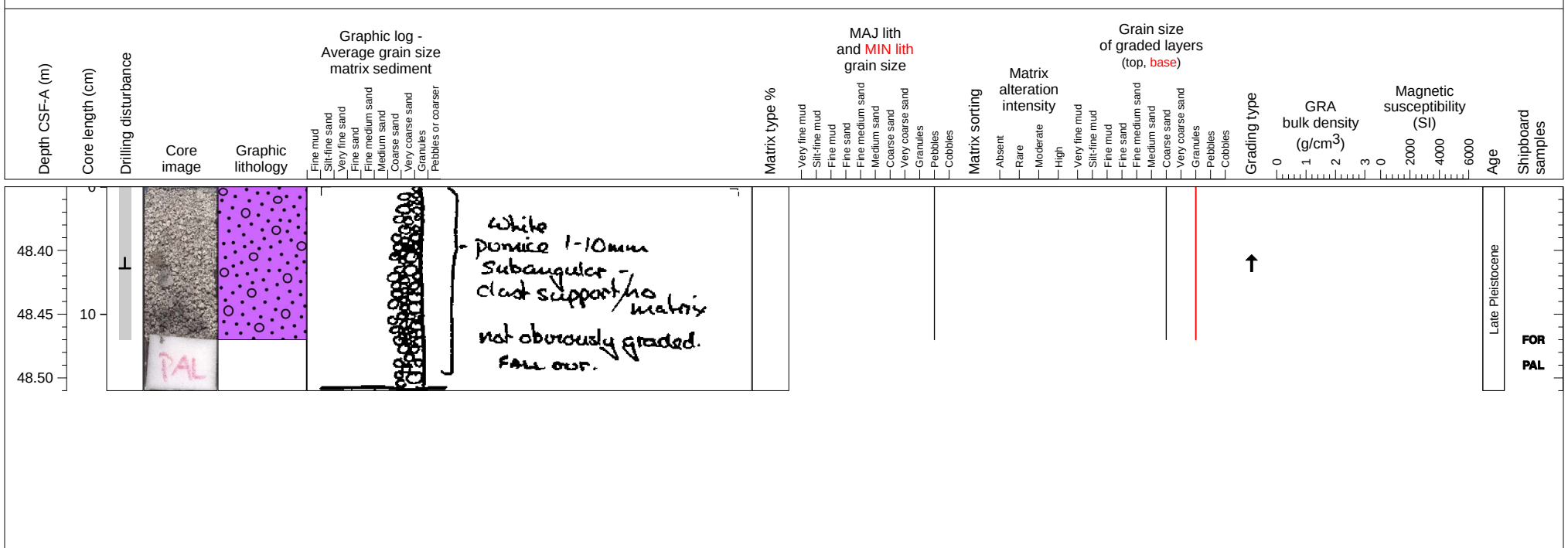
Hole 340-U1400B-9H Section 3, Top of Section: 47.45 CSF-A (m)

Volcaniclastic sand units interlayered with hemipelagic clay. The base of the section is a normally graded pumice gravel.



Hole 340-U1400B-9H Section CC, Top of Section: 48.35 CSF-A (m)

Volcaniclastic gravel composed of pumice grains which display normal grading.



Hole 340-U1400B-10H Section 1, Top of Section: 48.5 CSF-A (m)

Hemipelagic clay

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

48.55
48.60
48.65
48.70
48.75
48.80
48.85
48.90
48.95
49.00
49.05
49.10
49.15
49.20
49.25
49.30
49.35
49.40
49.45
49.50
49.55
49.60
49.65
49.70
49.75
49.80
49.85
49.90
49.95
50.00

10
20
30
40
50
60
70
80
90
100
110
120
130
140

Whole section
hemipelagic mud.
- unusually strongly mottled, grey-green-brown.
- the few laminae are inclined at ~20°.

(NB all of 10H is consistently inclined at 18-20°)

as above

?ash.

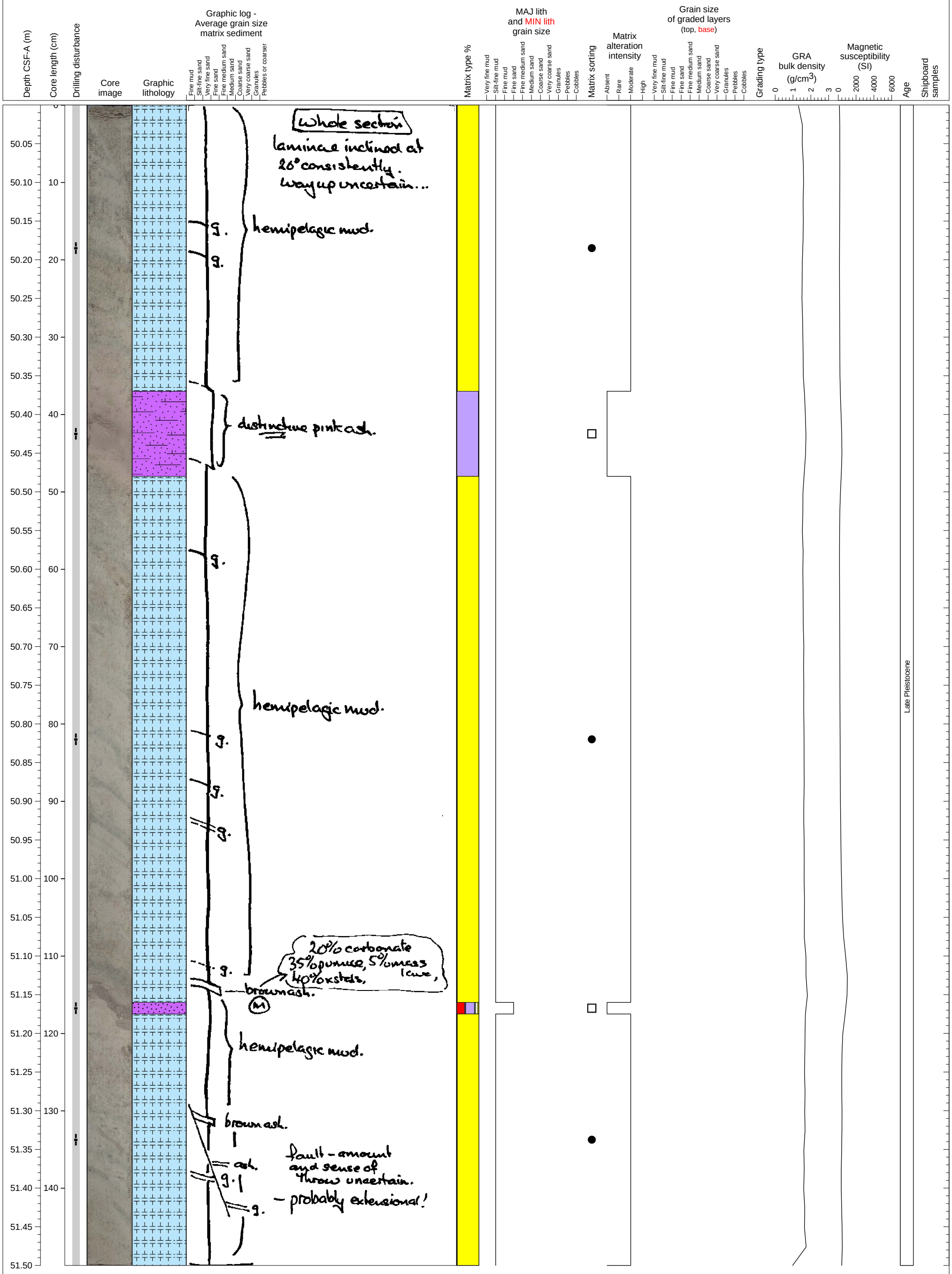
as above.

Late Pleistocene

XRD
CRB
MADC

Hole 340-U1400B-10H Section 2, Top of Section: 50.0 CSF-A (m)

Deformed hemipelagic clay interlayered with a pinkish colored tephra and a volacniclastic sand layer



Hole 340-U1400B-10H Section 3, Top of Section: 51.5 CSF-A (m)

Deformed hemipelagic clay interlayered with a tephra layer

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
Magnetic susceptibility (SI)
Age
Shipboard samples

51.55 – 10
51.60 – 10
51.65 – 20
51.70 – 20
51.75 – 30
51.80 – 30
51.85 – 40
51.90 – 40
51.95 – 50
52.00 – 50
52.05 – 60
52.10 – 60
52.15 – 70
52.20 – 70
52.25 – 80
52.30 – 80
52.35 – 90
52.40 – 90
52.45 – 100
52.50 – 100
52.55 – 110
52.60 – 110
52.65 – 120
52.70 – 120
52.75 – 130
52.80 – 130
52.85 – 140
52.90 – 140
52.95 – 150
53.00 – 150

whole section
hemipelagic mud.
with green laminae
consistently inclined
at ~20°
way-up uncertain

dispersed shells

37% pumice, 60% crystals
3% carbonate
black ash

SAMPLED

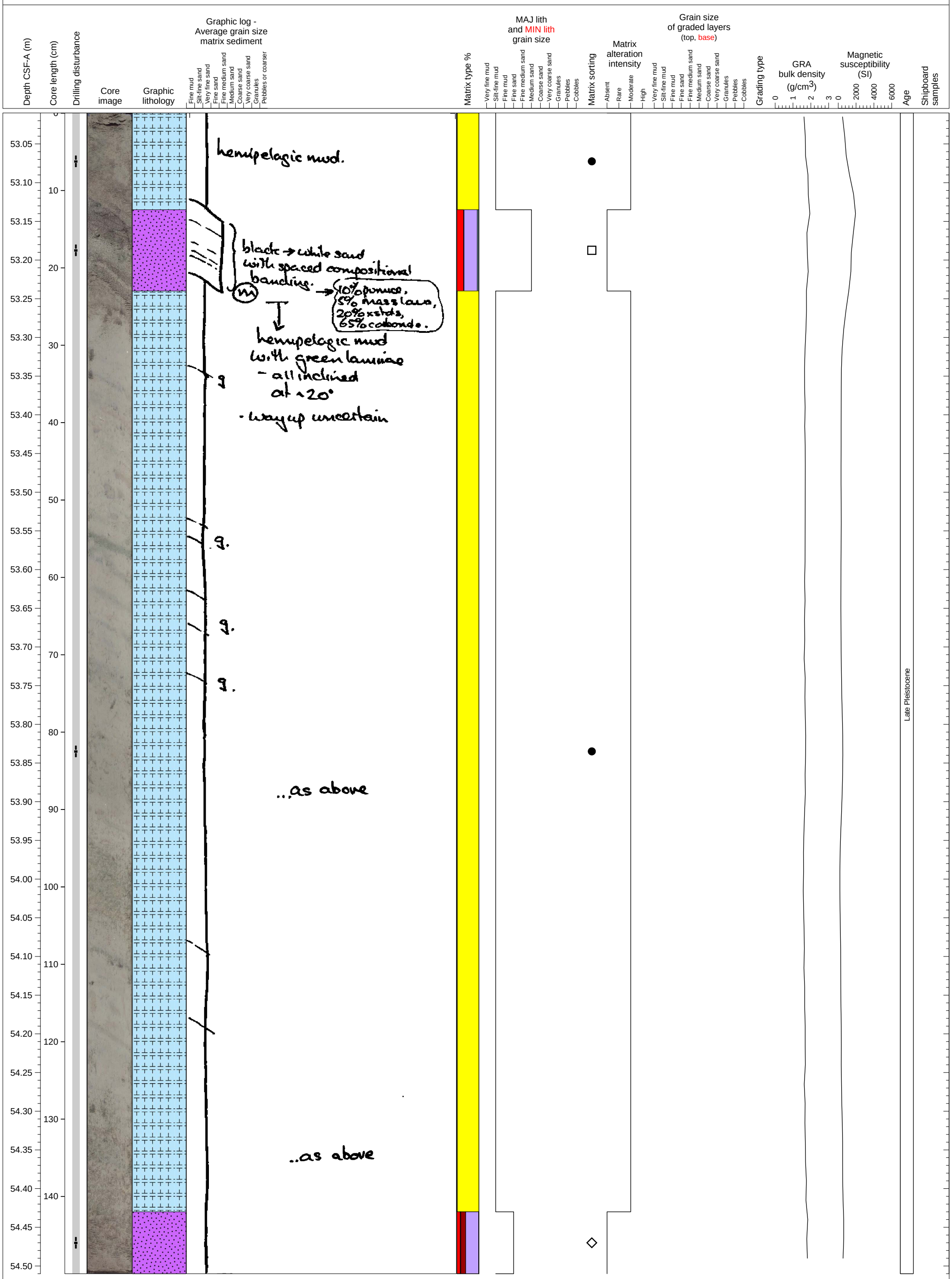
GRA bulk density (g/cm3): 0, 1, 2, 3
Magnetic susceptibility (SI): 0, 2000, 4000, 6000

Late Pleistocene

IW

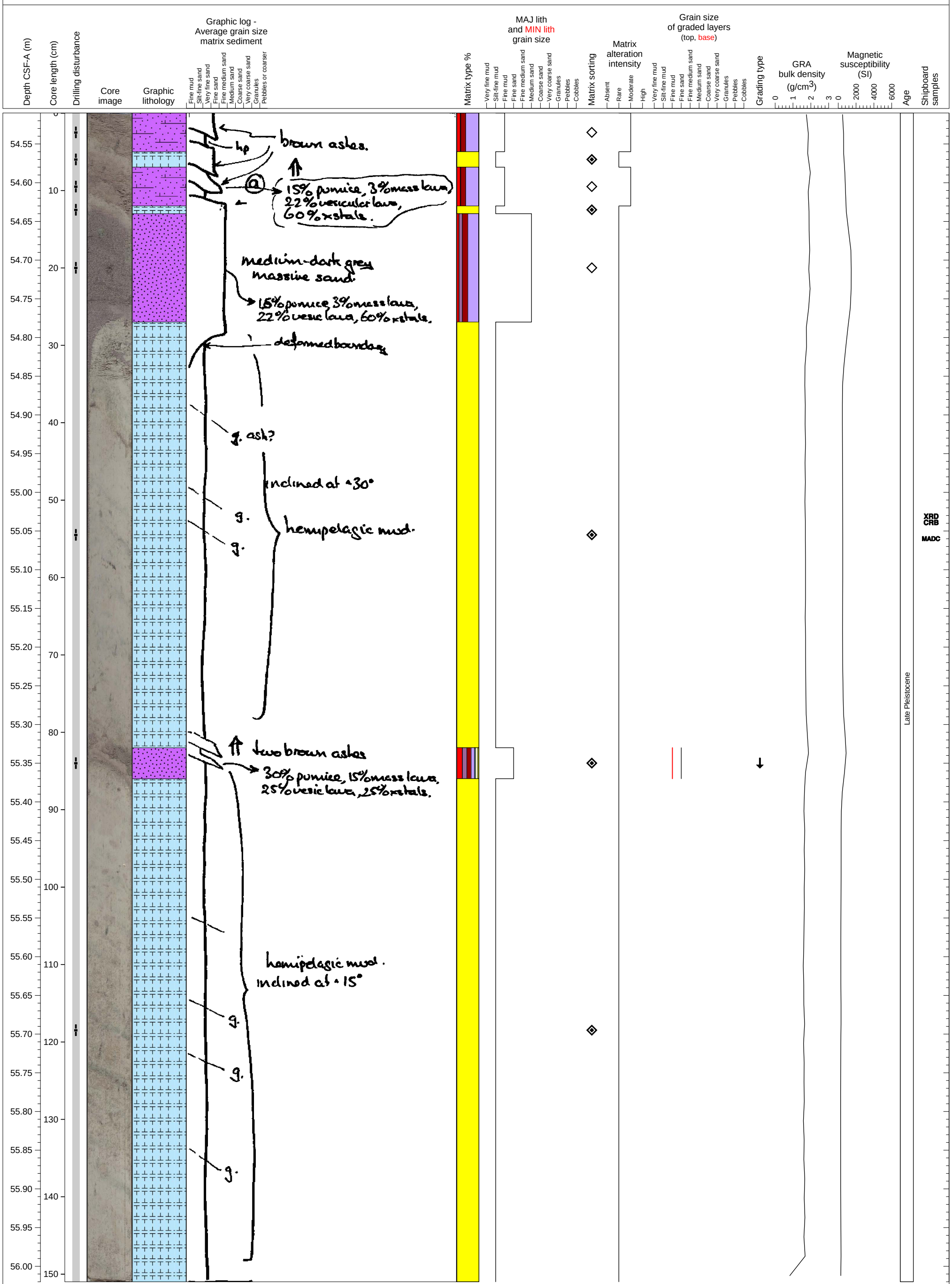
Hole 340-U1400B-10H Section 4, Top of Section: 53.01 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand with grain compositional layering.



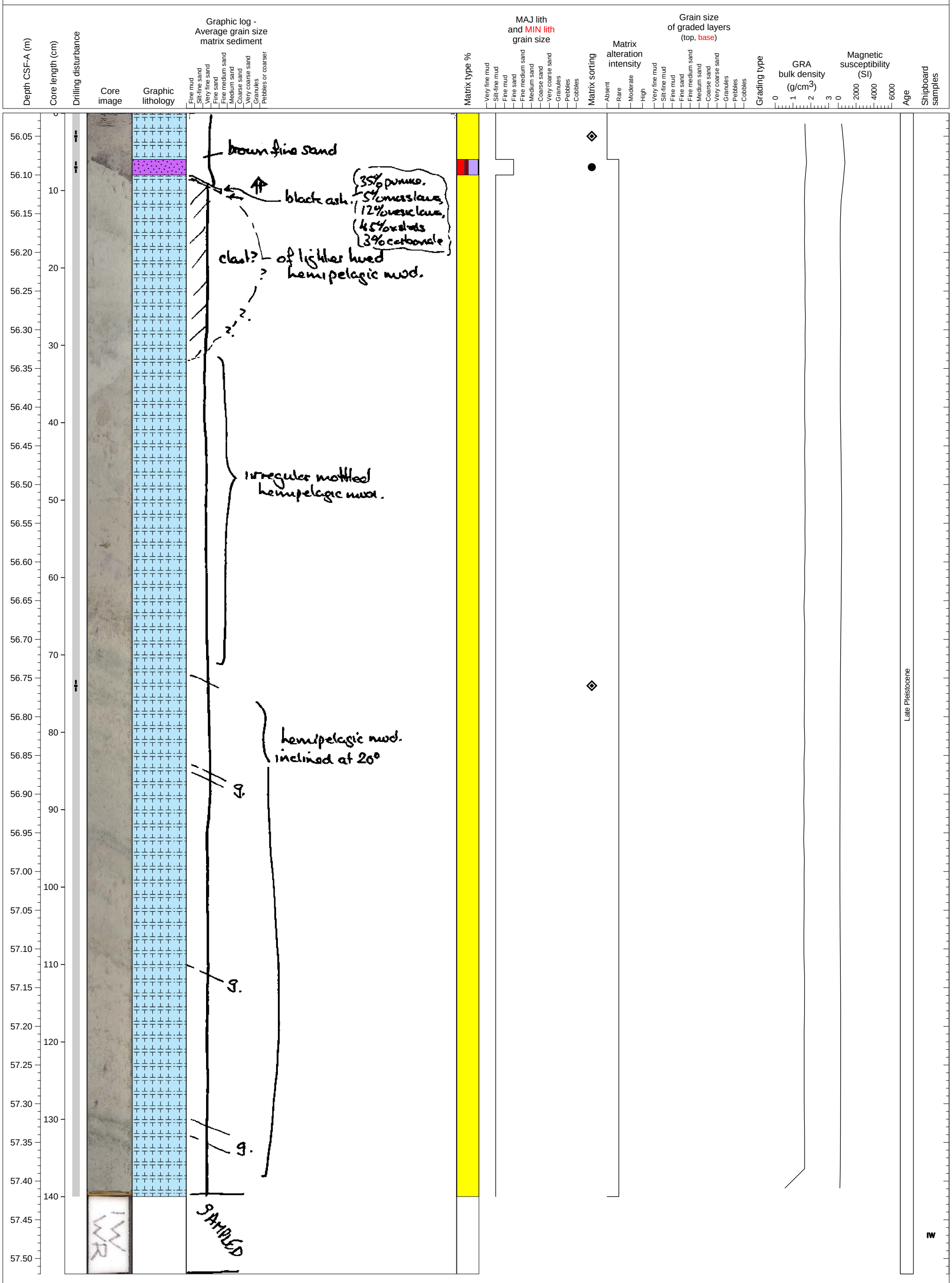
Hole 340-U1400B-10H Section 5, Top of Section: 54.51 CSF-A (m)

Heavily deformed hemipelagic clay interlayered with volcaniclastic sand-mud deposits. All contacts are inclined.



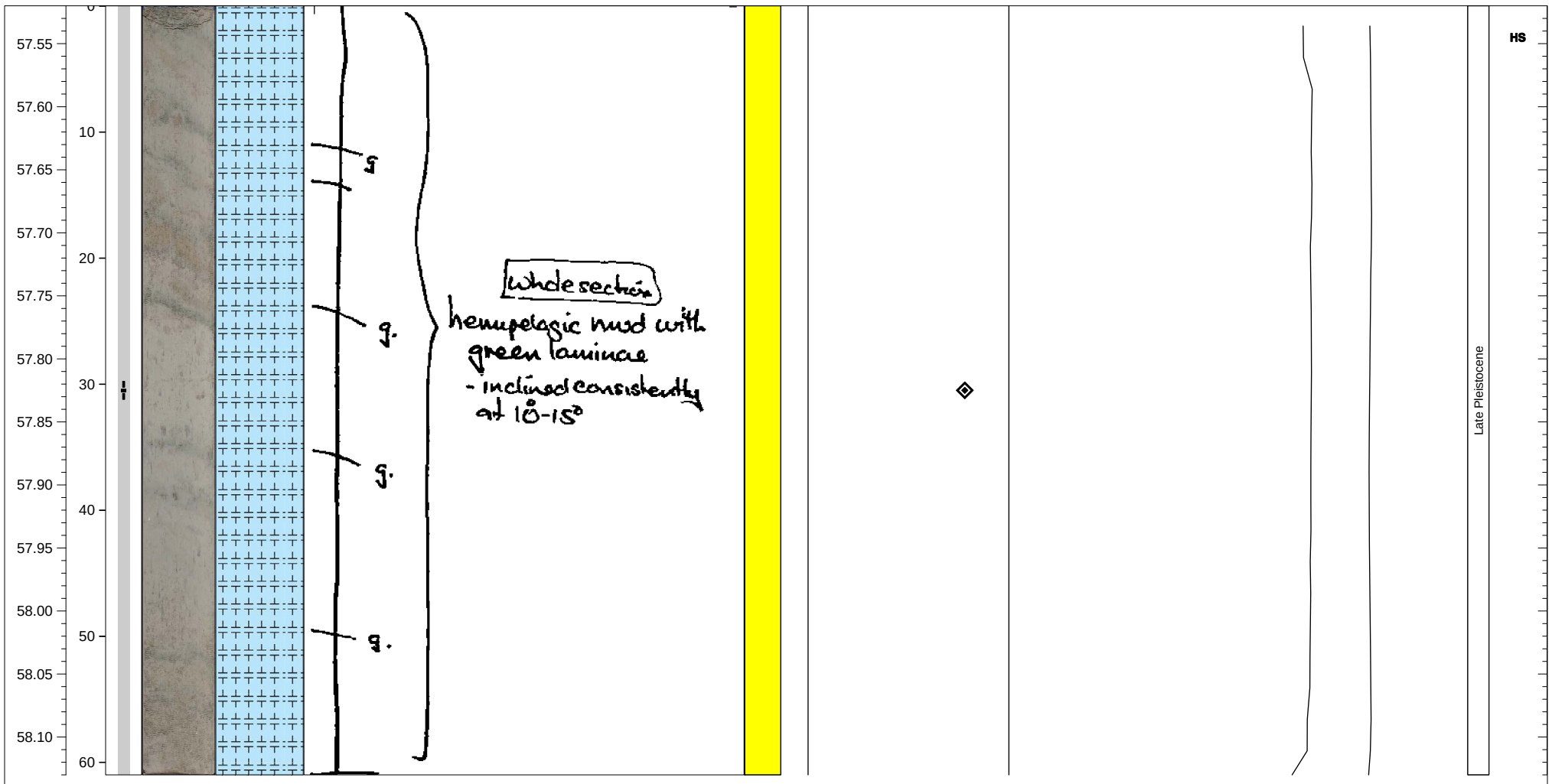
Hole 340-U1400B-10H Section 6, Top of Section: 56.02 CSF-A (m)

Heavily deformed hemipelagic clay with a single volcaniclastic sand layer. All contacts are inclined. WR from section base.



Hole 340-U1400B-10H Section 7, Top of Section: 57.52 CSF-A (m)

Deformed hemipelagic clay.

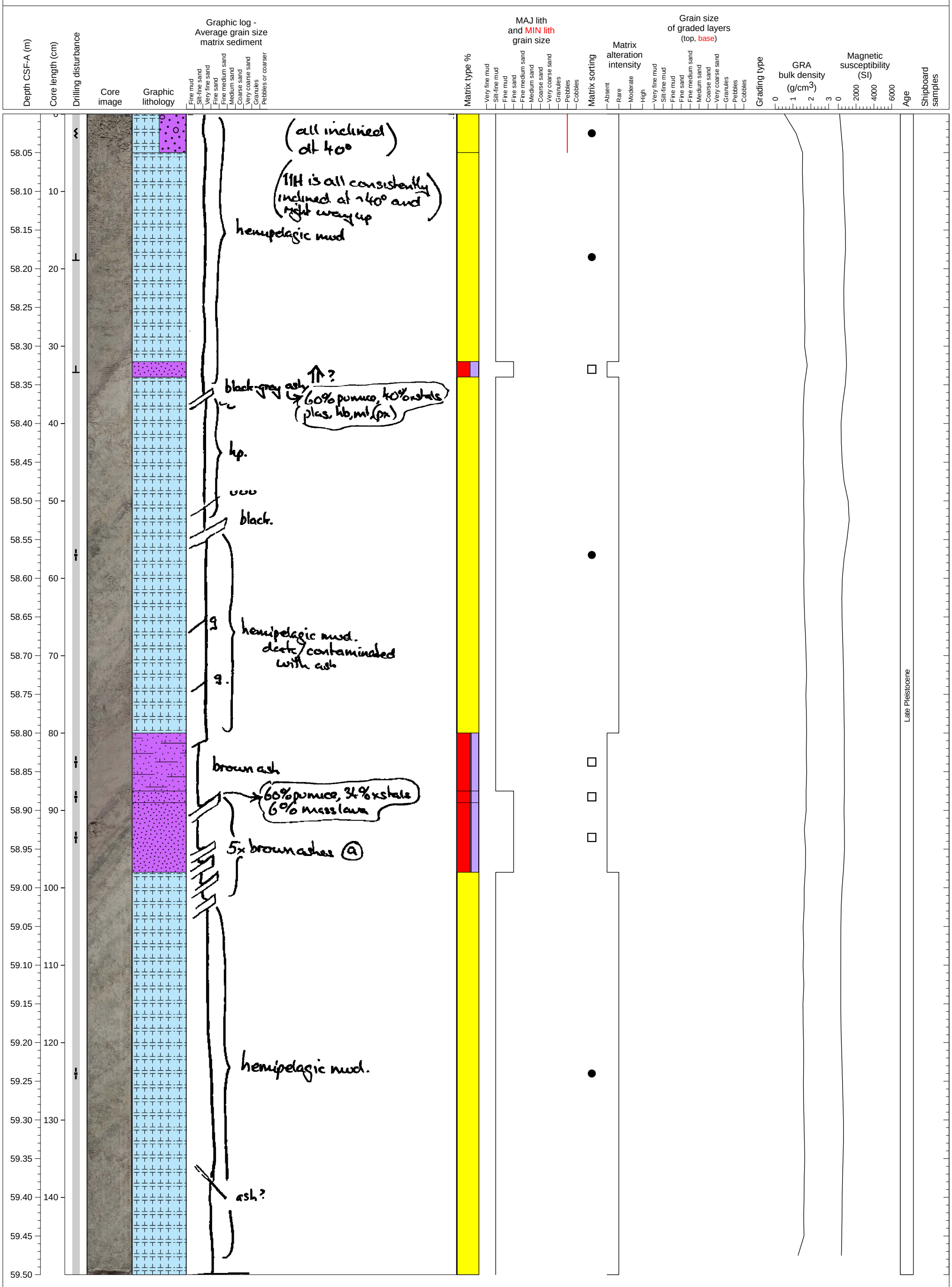


Hole 340-U1400B-10H Section CC, Top of Section: 58.13 CSF-A (m)

Hemipelagic mud. PAL sample from base.

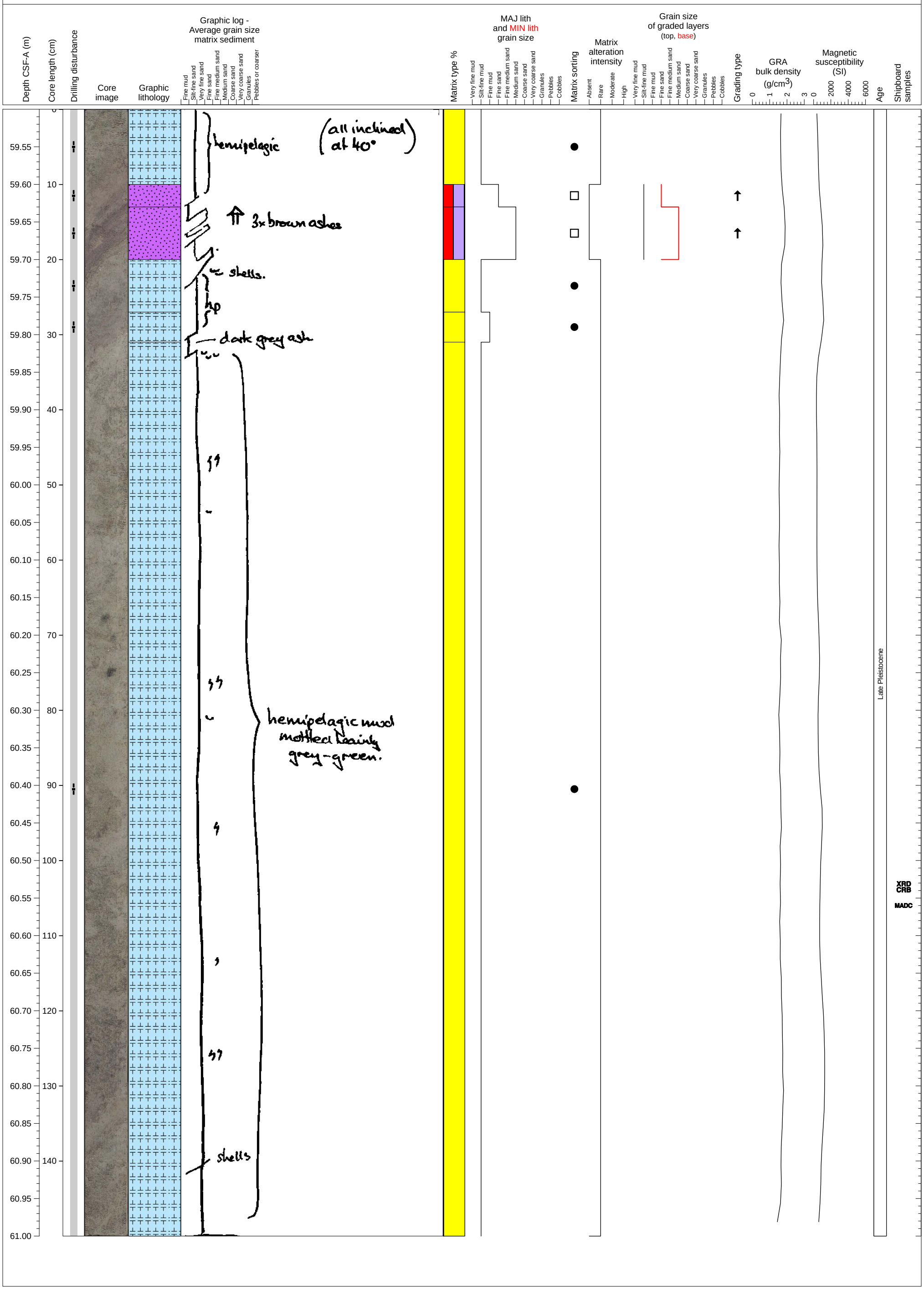
Hole 340-U1400B-11H Section 1, Top of Section: 58.0 CSF-A (m)

Deformed hemipelagic clay interlayered with multiple tephra layers.



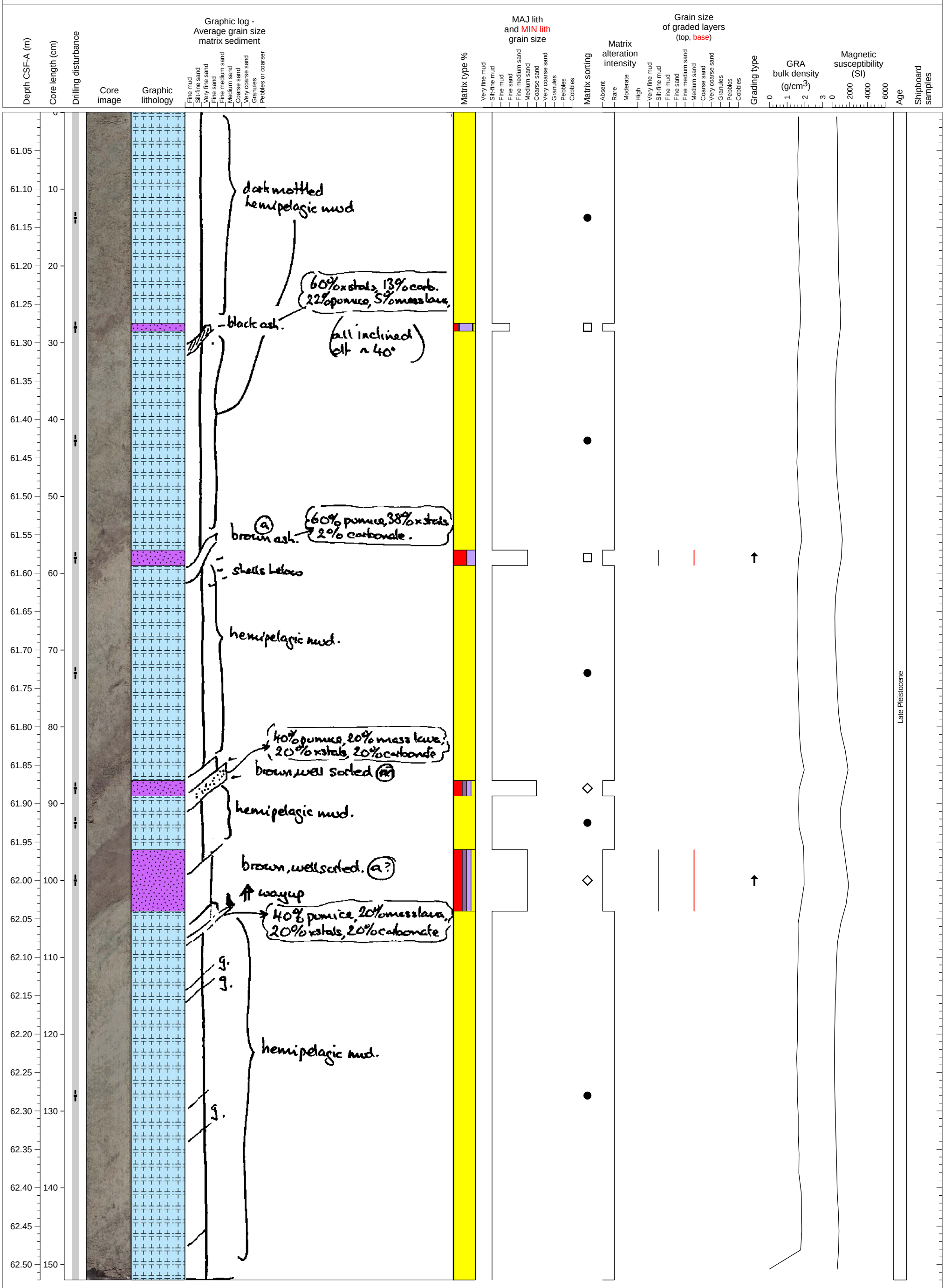
Hole 340-U1400B-11H Section 2, Top of Section: 59.5 CSF-A (m)

Deformed hemipelagic clay interlayered with tephra layers with normal grading.



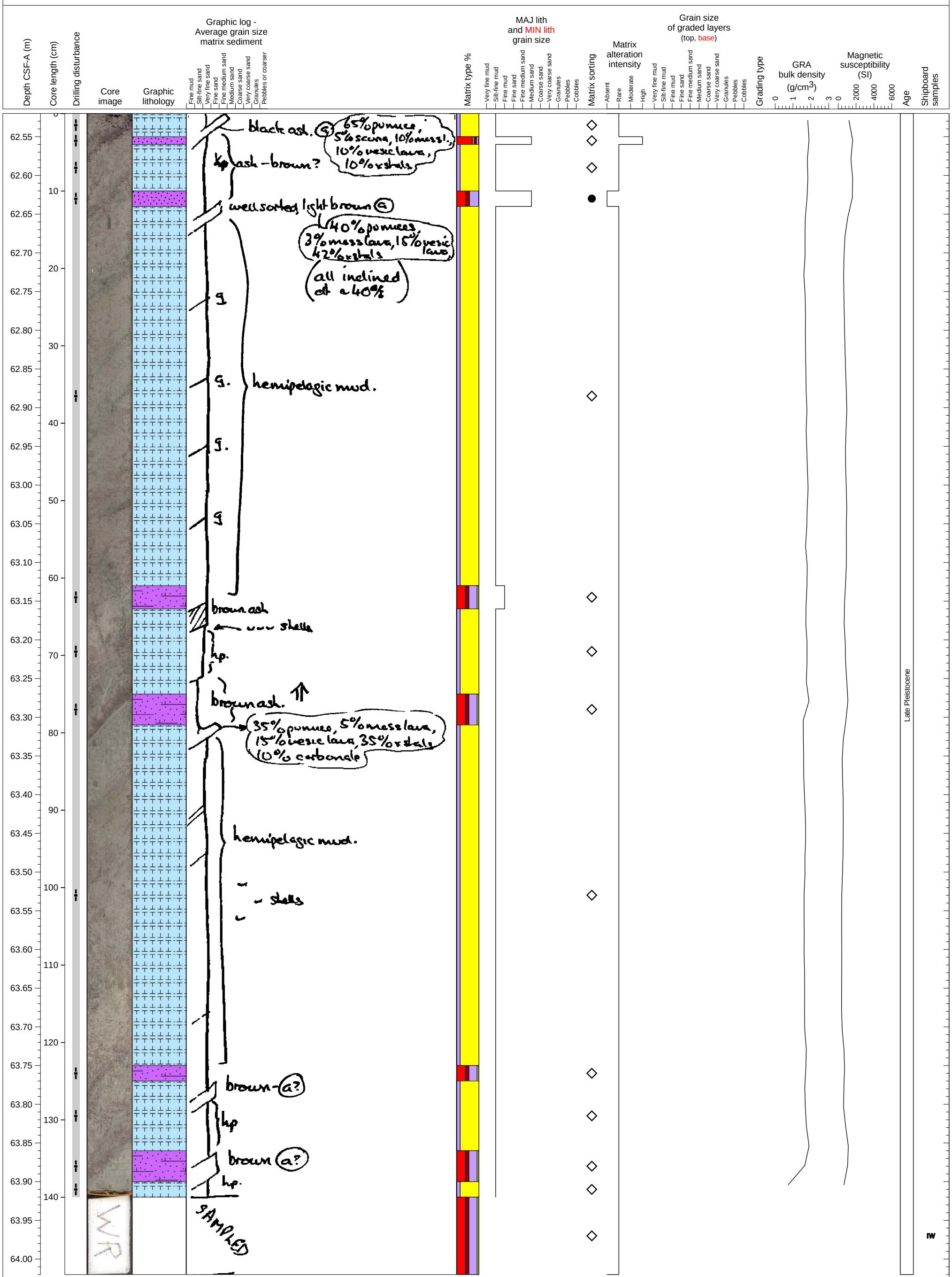
Hole 340-U1400B-11H Section 3, Top of Section: 61.0 CSF-A (m)

Deformed hemipelagic clay interlayered with tephra and volcaniclastic sand layers.



Hole 340-U1400B-11H Section 4, Top of Section: 62.52 CSF-A (m)

Heavily deformed hemipelagic clay interlayered with abundant volcaniclastic sand-mud deposits. All contacts are inclined.



Hole 340-U1400B-11H Section 5, Top of Section: 64.02 CSF-A (m)

Heavily deformed hemipelagic clay interlayered with abundant volcaniclastic sand-mud deposits. All contacts are inclined.

Depth CSF-A (m)

Core length (cm)

Drilling disturbance

Core image

Graphic lithology

Graphic log - Average grain size matrix sediment
Fine mud | Silt-fine sand | Very fine sand | Fine sand | Fine medium sand | Medium sand | Coarse sand | Very coarse sand | Granules | Pebbles or coarser

Matrix type %

MAJ lith and MIN lith grain size
Very fine mud | Silt-fine mud | Fine mud | Fine sand | Fine medium sand | Medium sand | Coarse sand | Very coarse sand | Granules | Pebbles | Cobbles

Matrix sorting

Matrix alteration intensity
Absent | Rare | Moderate | High

Grain size of graded layers (top, base)
Very fine mud | Silt-fine mud | Fine mud | Fine sand | Fine medium sand | Medium sand | Coarse sand | Very coarse sand | Granules | Pebbles | Cobbles

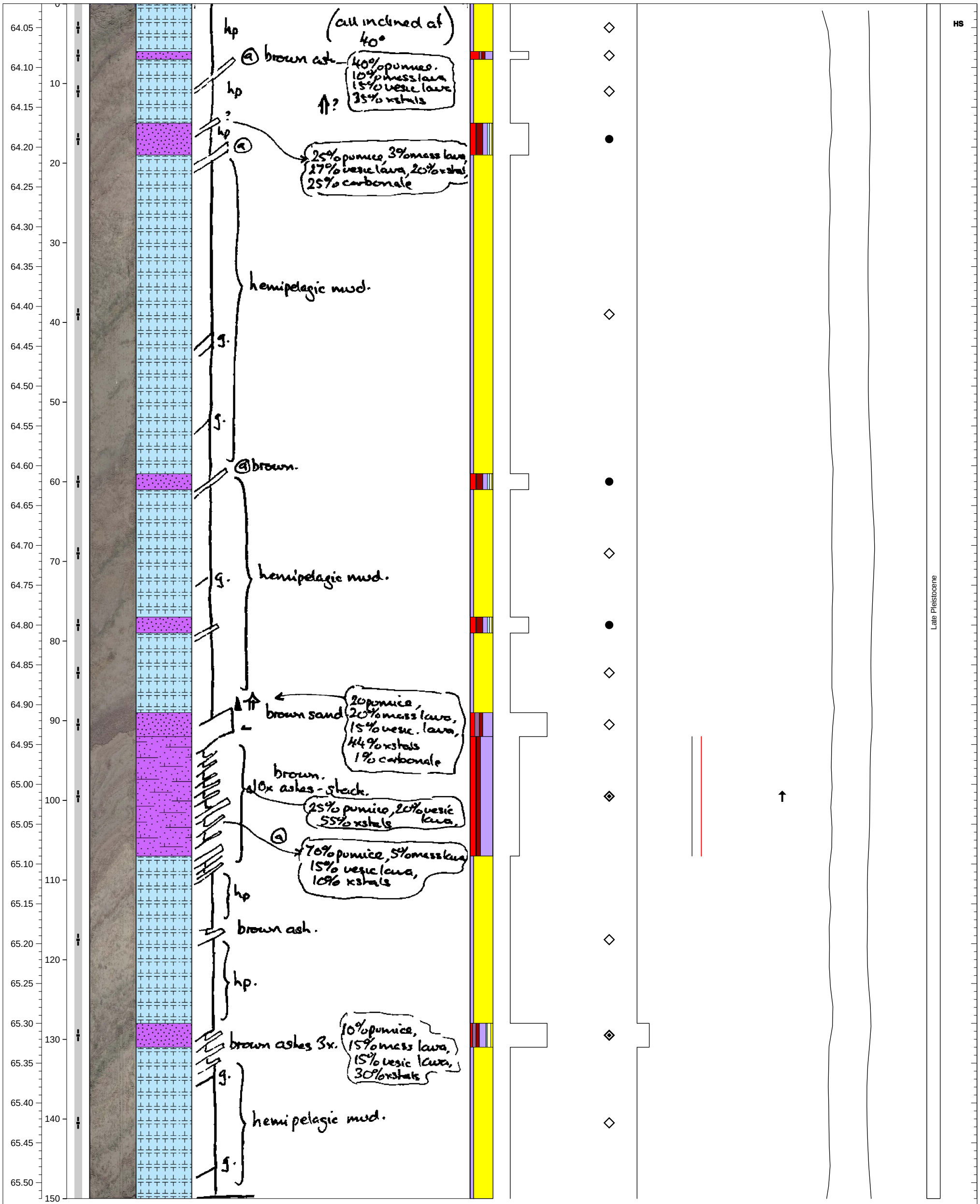
Grading type

GRA bulk density (g/cm^3)
0 | 1 | 2 | 3

Magnetic susceptibility (SI)
0 | 2000 | 4000 | 6000

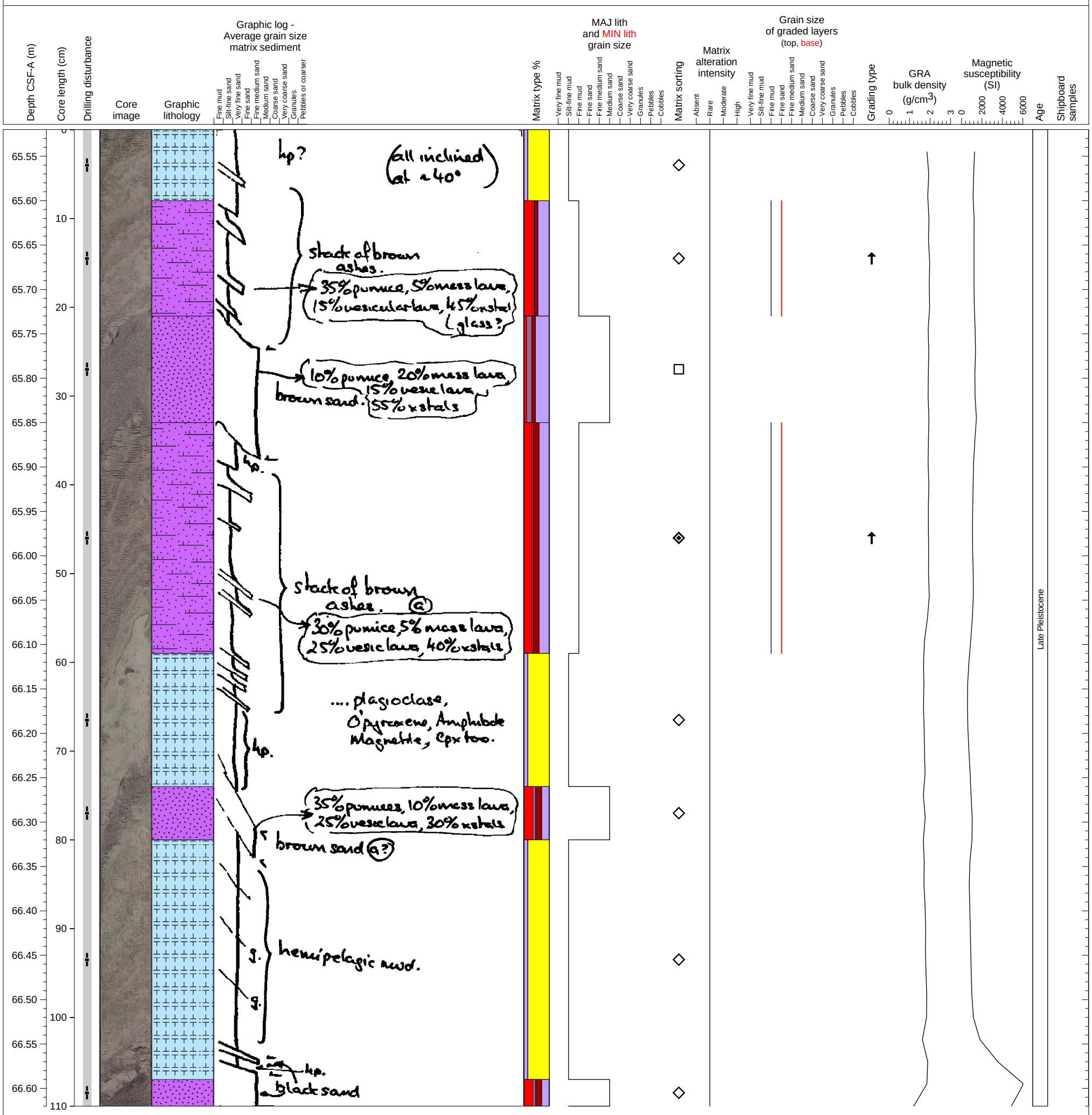
Age

Shipboard samples



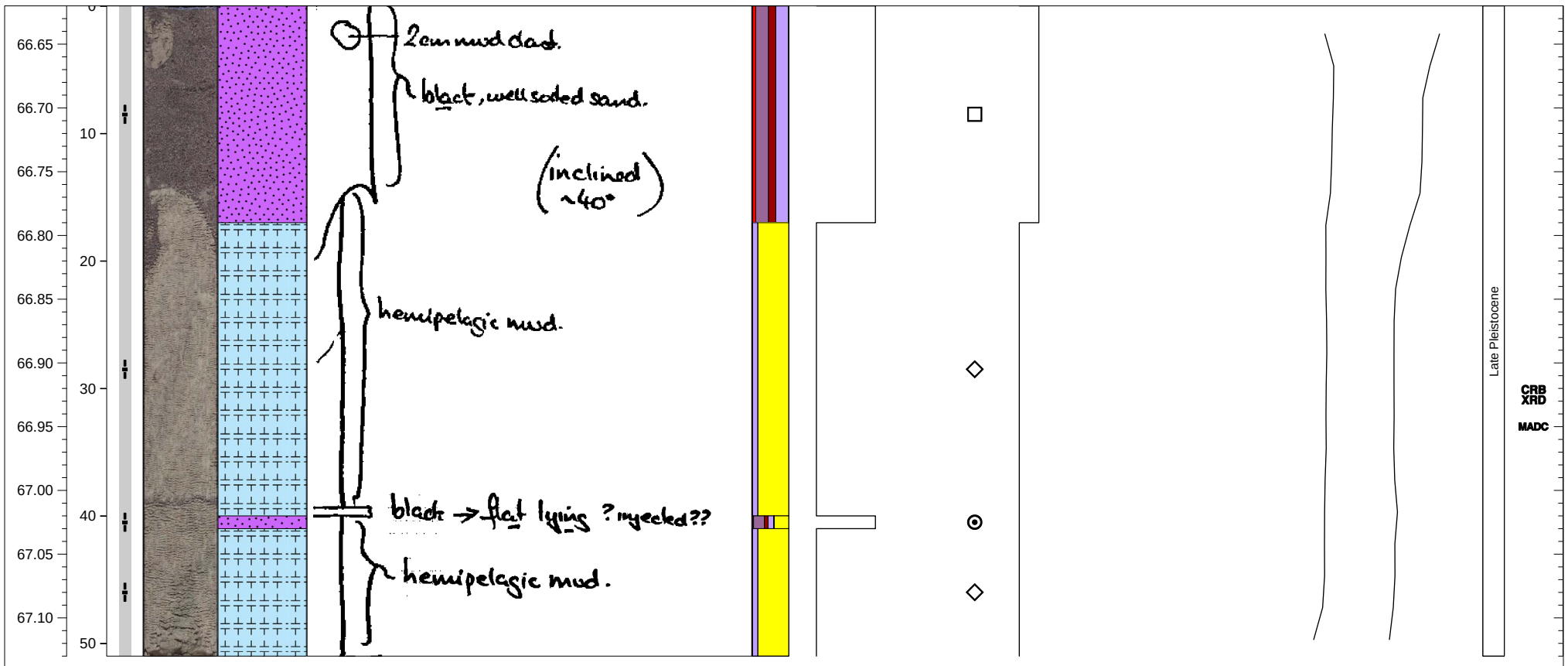
Hole 340-U1400B-11H Section 6, Top of Section: 65.52 CSF-A (m)

Heavily deformed hemipelagic clay interlayered with abundant volcaniclastic sand-mud deposits. All contacts are inclined.



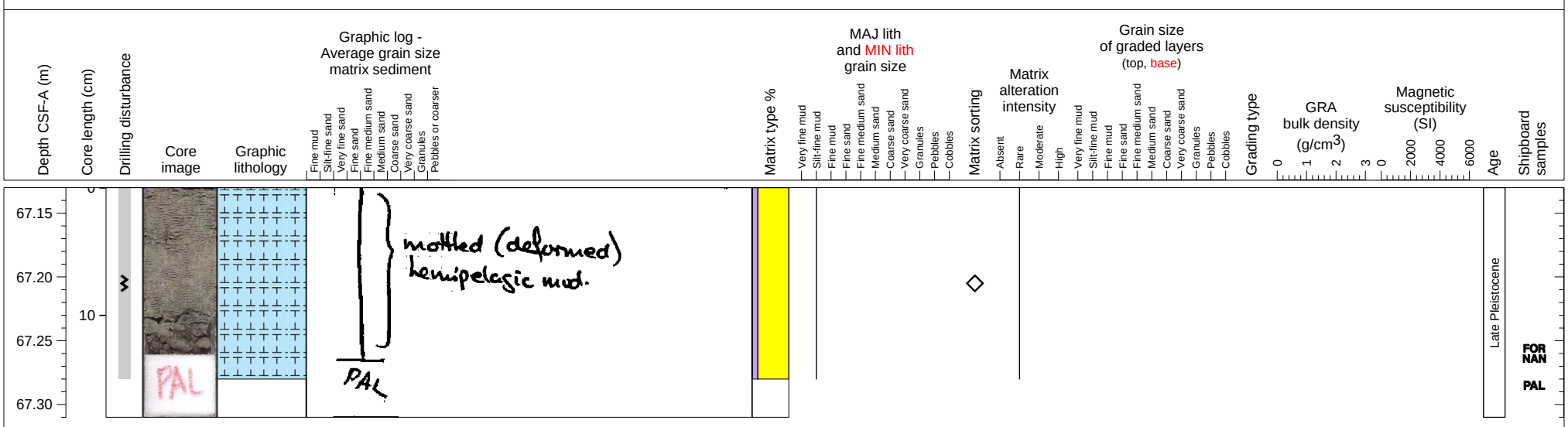
Hole 340-U1400B-11H Section 7, Top of Section: 66.62 CSF-A (m)

Deformed hemipelagic clay interlayered with volcaniclastic sand.



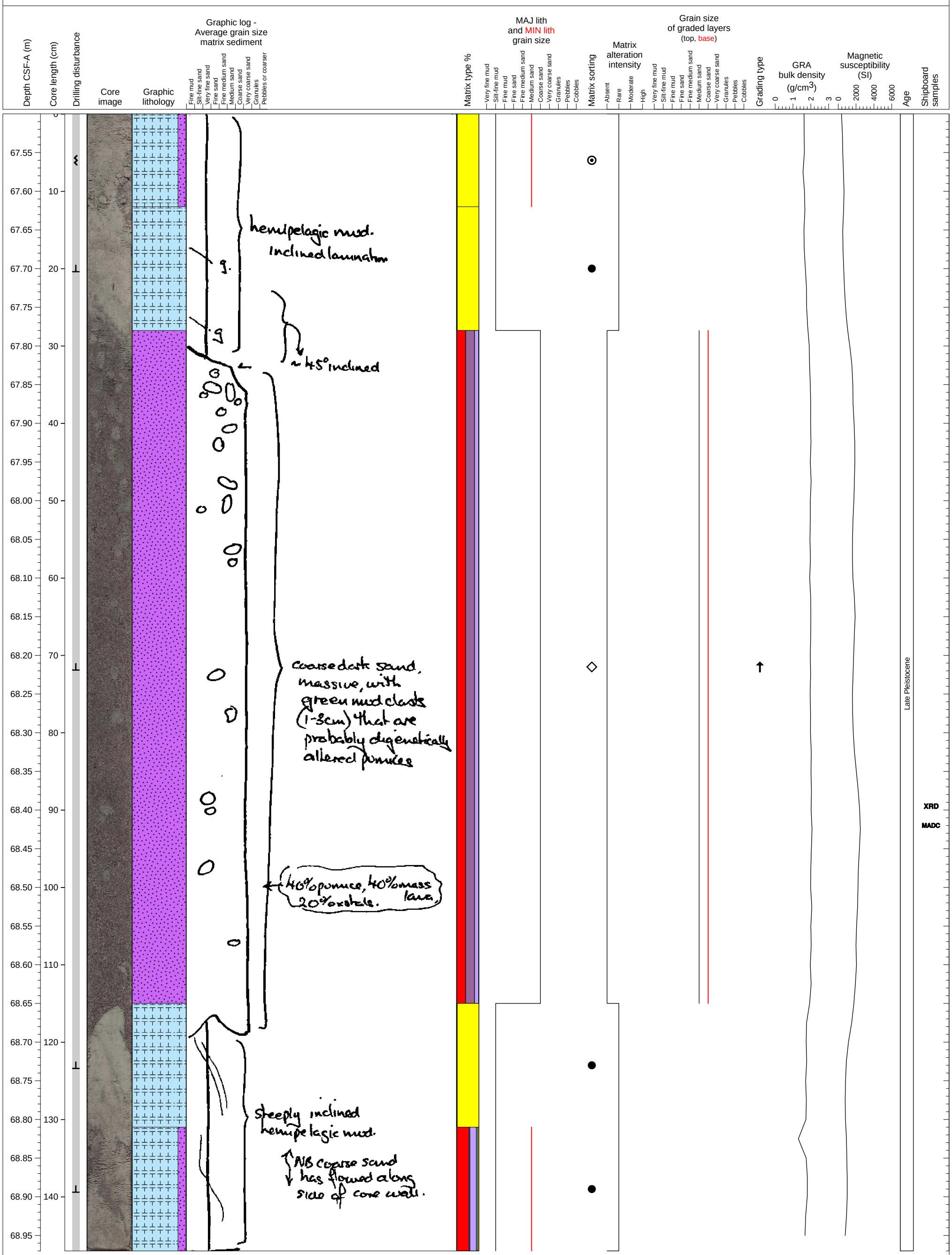
Hole 340-U1400B-11H Section CC, Top of Section: 67.13 CSF-A (m)

Hemipelagic clay. PAL sample from base.



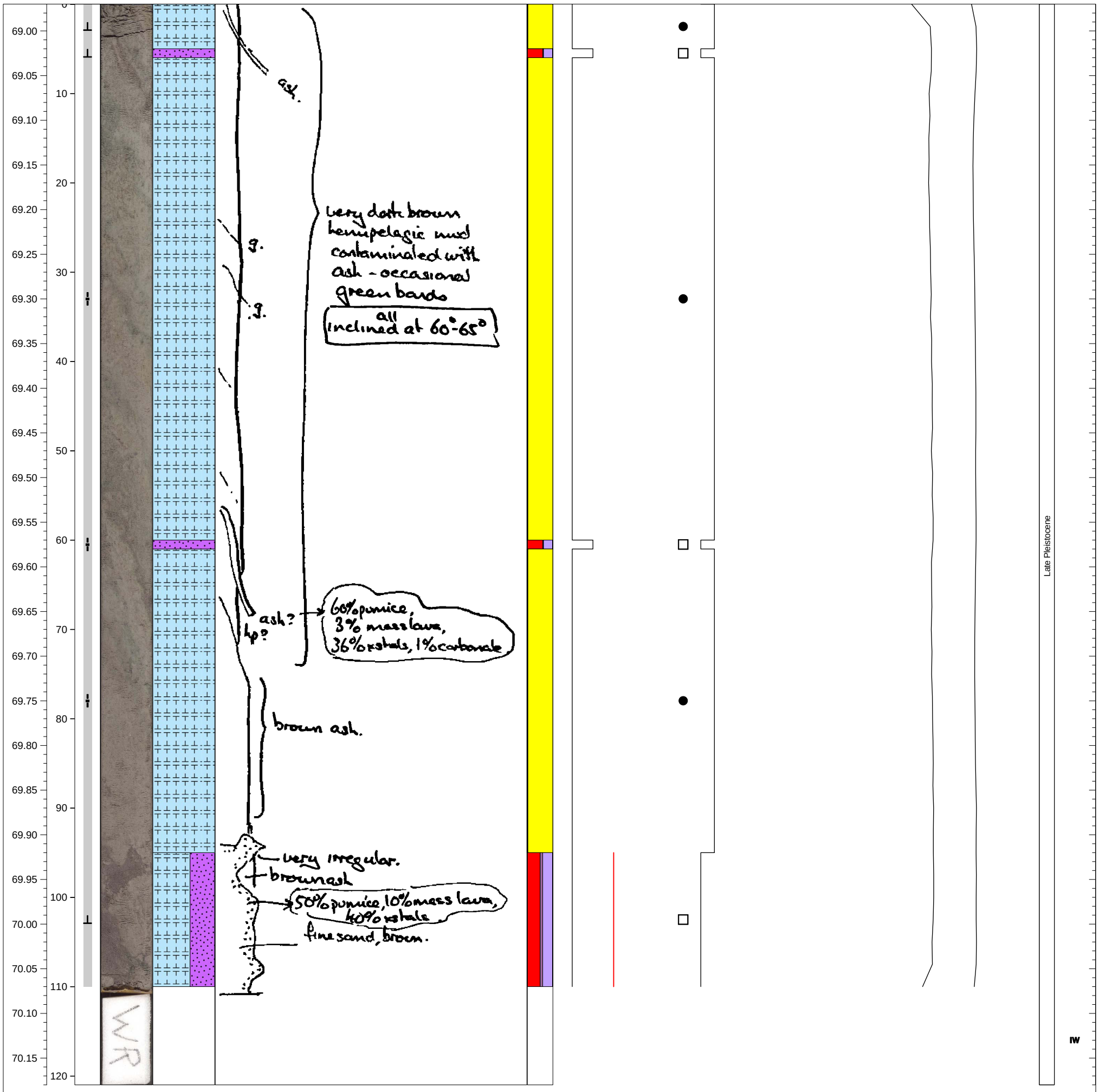
Hole 340-U1400B-12H Section 1, Top of Section: 67.5 CSF-A (m)

Volcaniclastic turbidite sandwiched by hemipelagic clay. A thin deformed volcaniclastic sand unit in hemipelagic clay.



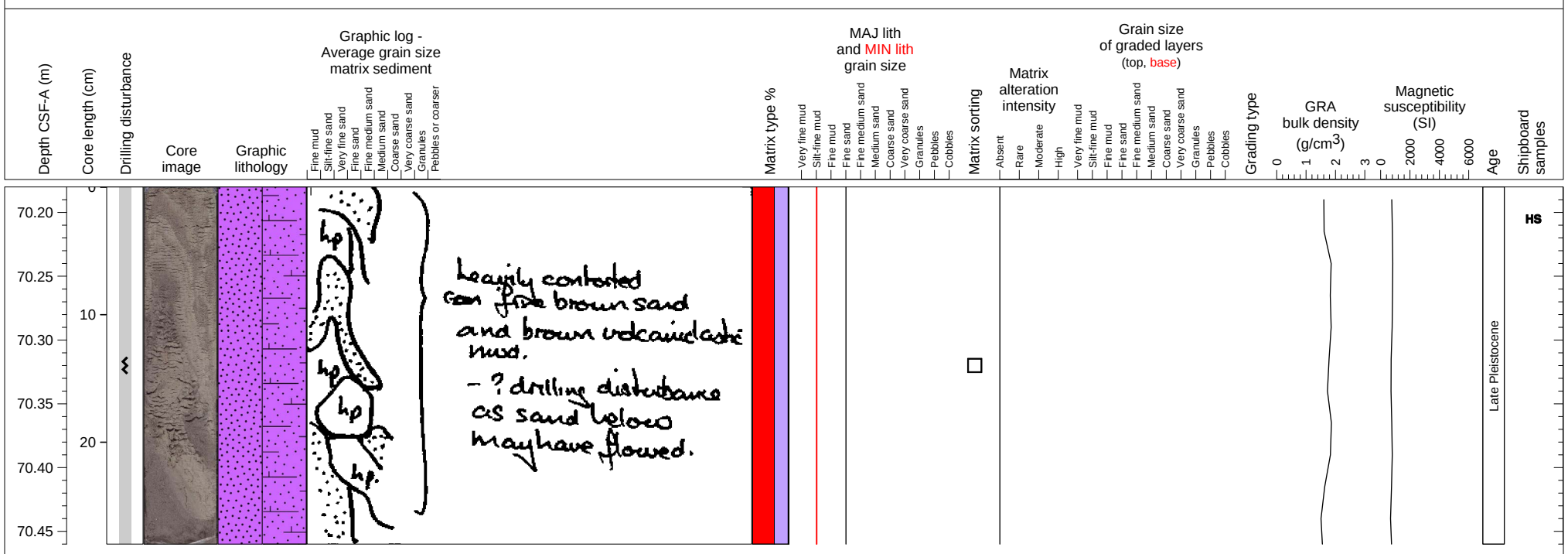
Hole 340-U1400B-12H Section 2, Top of Section: 68.97 CSF-A (m)

Contorted hemipelagic clay interlayered with volcaniclastic sand units. The lowermost of this unit is particularly highly deformed.



Hole 340-U1400B-12H Section 3, Top of Section: 70.18 CSF-A (m)

Highly deformed tephra layers consisting of thin coarse and fine sublayers.



Hole 340-U1400B-12H Section 4, Top of Section: 70.46 CSF-A (m)

Volcaniclastic sand.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

70.50
70.55
70.60
70.65
70.70
70.75
70.80
70.85
70.90
70.95
71.00
71.05
71.10
71.15
71.20
71.25
71.30
71.35
71.40
71.45
71.50
71.55
71.60

0
10
20
30
40
50
60
70
80
90
100
110

T

Whole section

massive, homogeneous dark brown medium sand. – no structure or granules

?flowed during coring – probably...

- 2% pumice,
35% mass lava,
25% vesic. lava,
36% xstals
2% carbonate

..as above

... as above.

Late Pleistocene

Hole 340-U1400B-12H Section 5, Top of Section: 71.63 CSF-A (m)

Volcaniclastic sand.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
Magnetic susceptibility (SI)
Age
Shipboard samples

Whole Section

matrix is very dark brown medium sand - massive and ungraded

- brown mud clasts that could be altered pumices

- clasts always up the central part of barrel - not edges of barrel.

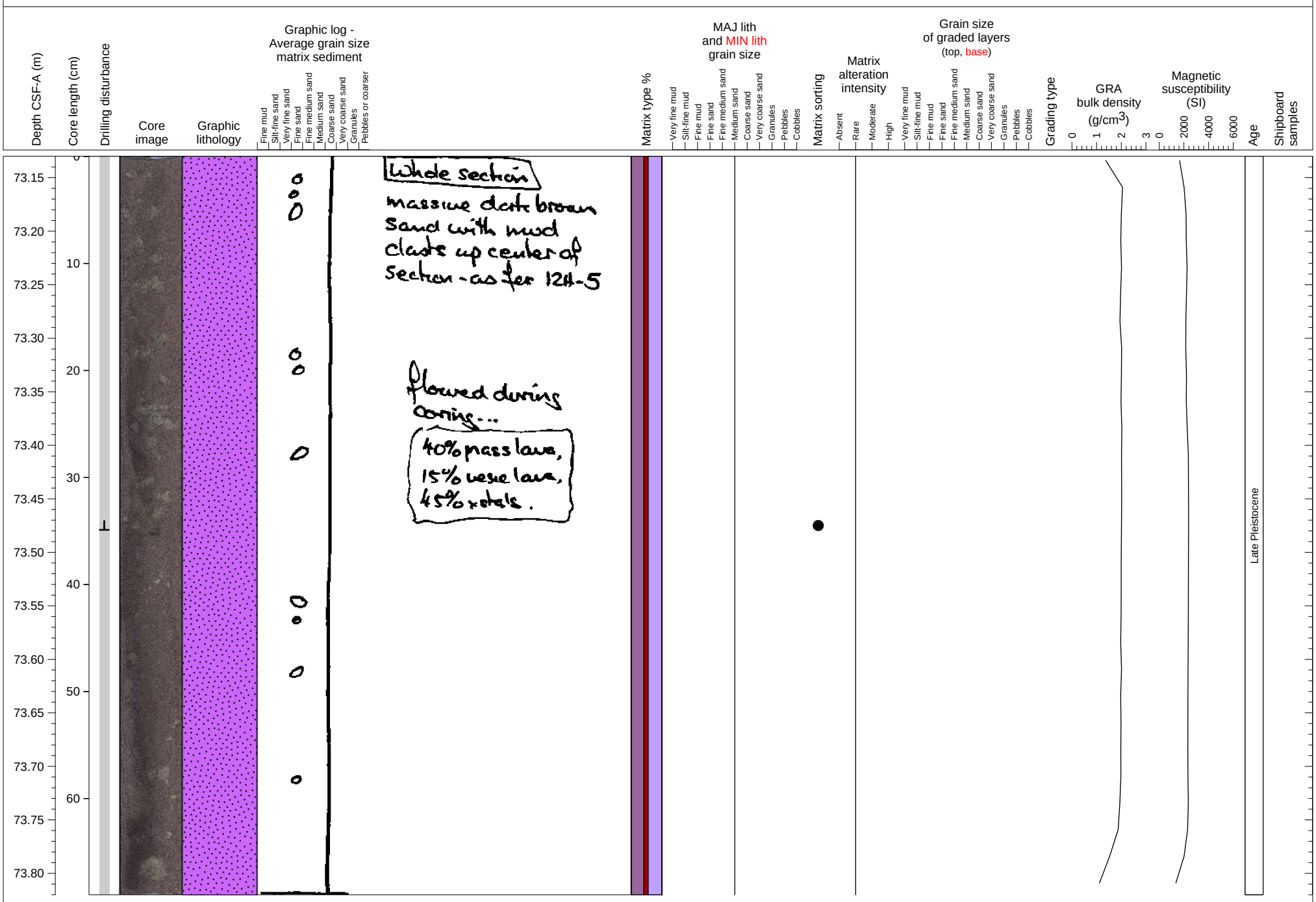
⇒ most likely flowed during coring.

- ~3% pumice.
30% mass lava,
25% vesic lava,
42% xstals.

Late Pleistocene

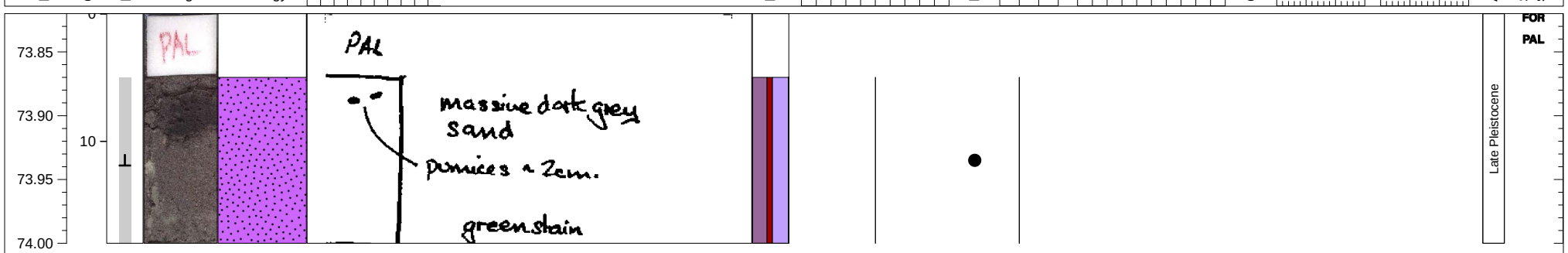
Hole 340-U1400B-12H Section 6, Top of Section: 73.13 CSF-A (m)

Volcaniclastic sand.



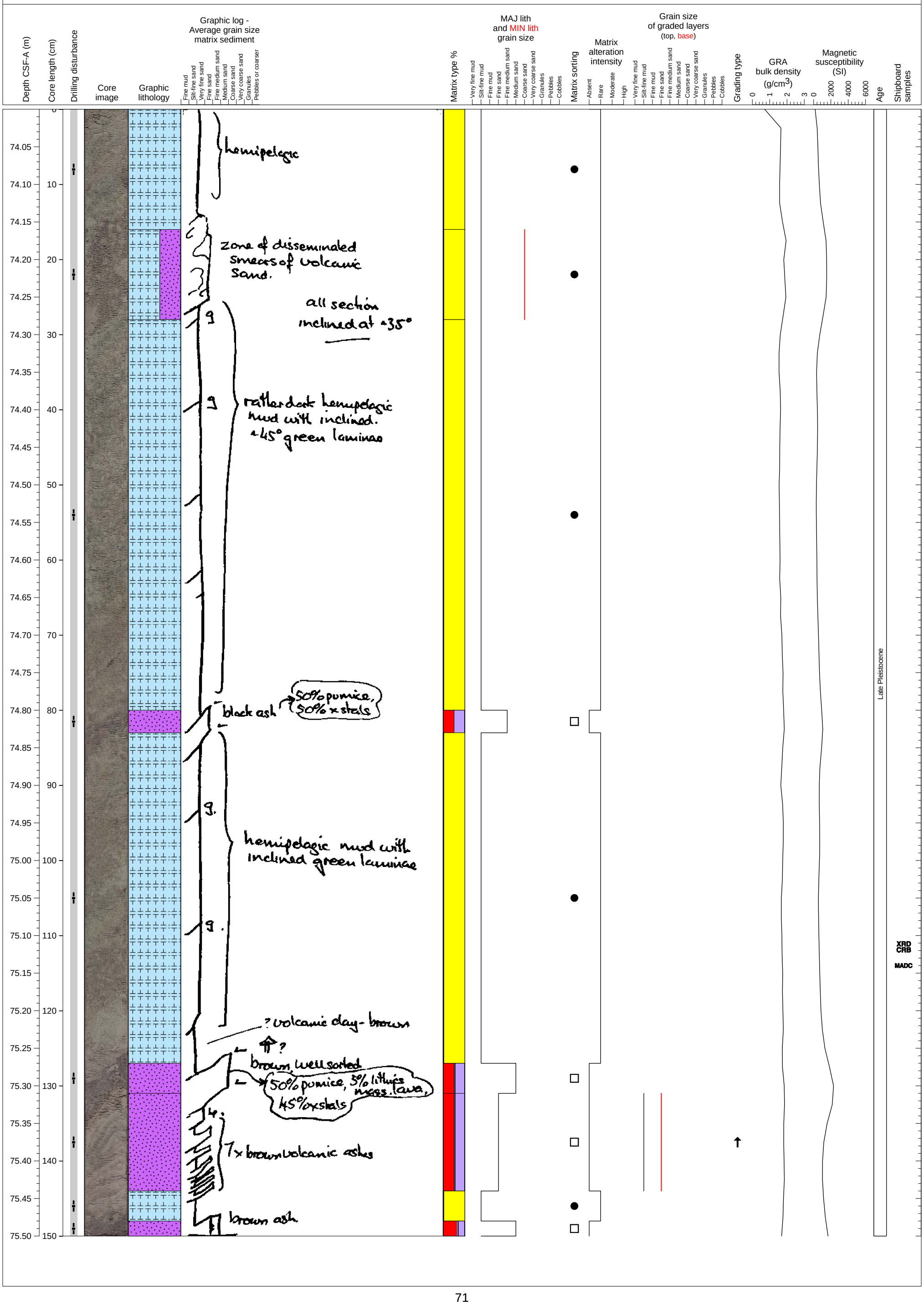
Hole 340-U1400B-12H Section CC, Top of Section: 73.82 CSF-A (m)

Volcaniclastic sand. PAL sample from section base.



Hole 340-U1400B-13H Section 1, Top of Section: 74.0 CSF-A (m)

Hemipelagic clay interlayered with multiple tephra and volcaniclastic sand layers.



Hole 340-U1400B-13H Section 2, Top of Section: 75.5 CSF-A (m)

Hemipelagic clays interlayered with multiple tephra and volacniclastic sand units.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

75.55
75.60
75.65
75.70
75.75
75.80
75.85
75.90
75.95
76.00
76.05
76.10
76.15
76.20
76.25
76.30
76.35
76.40
76.45
76.50
76.55
76.60
76.65
76.70
76.75
76.80
76.85
76.90
76.95
77.00

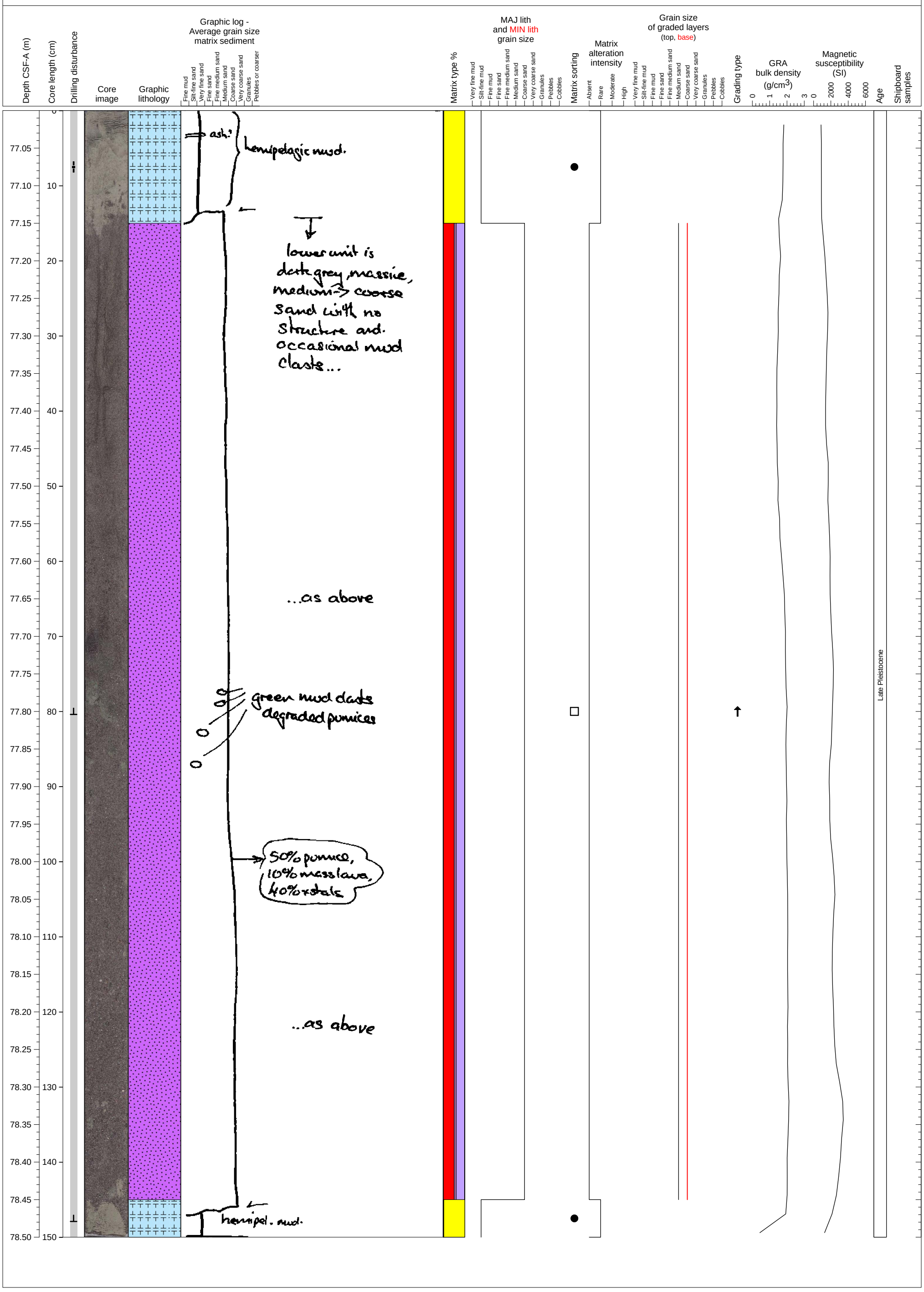
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

mud/pumice clasts.
massive, very dark ungraded coarse sand
60% pumice, 10% mass lava 30% xtals
all section inclined at ~30-35°
irregular
hemipelagic mud.
injected?
black sand - similar to above.
30% pumice, 40% mass lava, 30% xtals
hemipelagic mud.
~~ shells
brown ash
45% pumice, 5% mass lava, 45% xtals, 5% carbonate
~ shells
hemipelagic mud
irregular top
mud clast.
45% pumice, 10% mass lava, 45% xtals
dark grey sand.
hemipelagic mud.
20% pumice, 5% mass lava, 75% xtals
brown ashes
@
4x brown ashes
@
hp.

Late Pleistocene

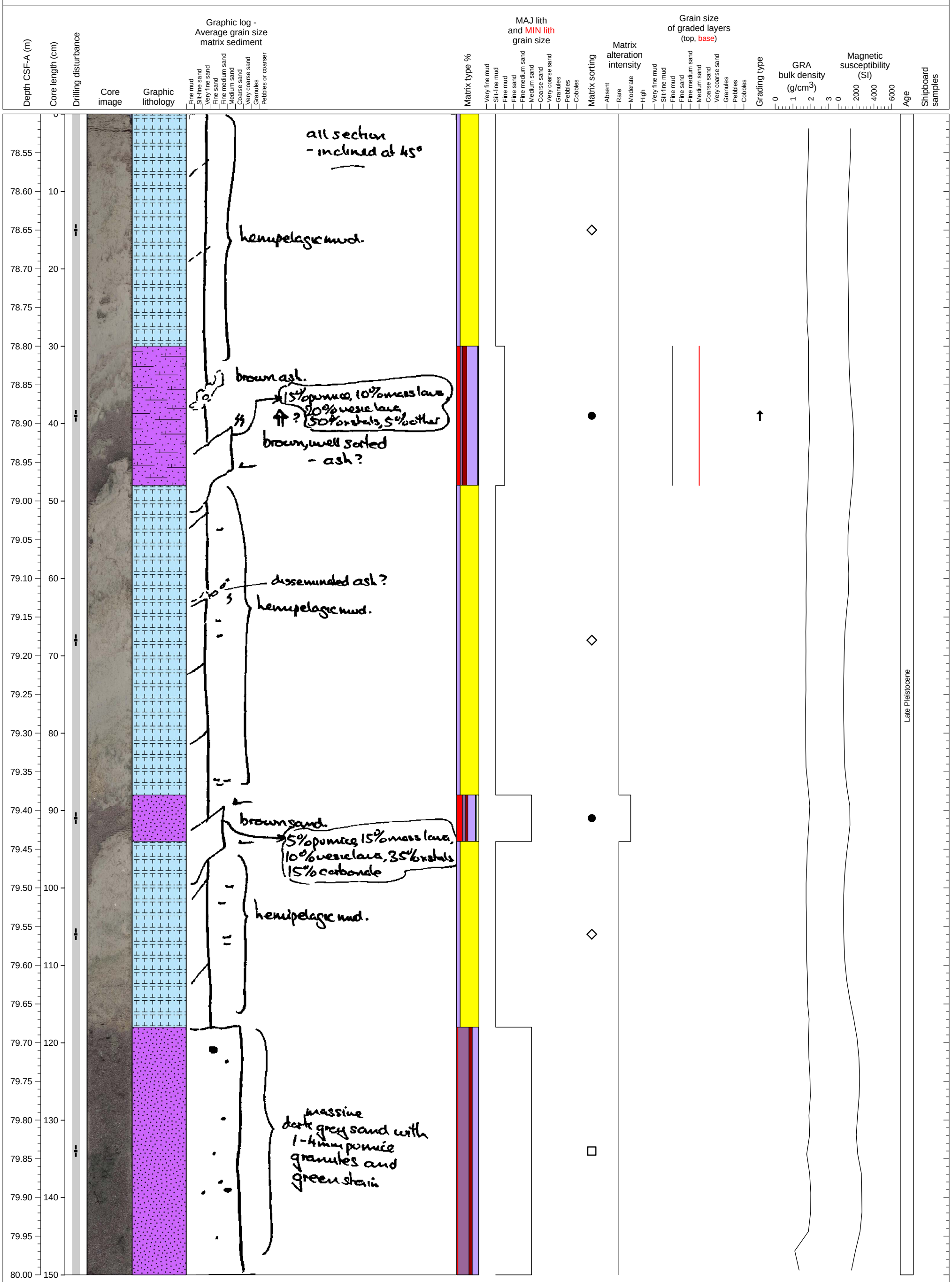
Hole 340-U1400B-13H Section 3, Top of Section: 77.0 CSF-A (m)

Massive volcaniclastic turbidite with weak normal grading. Hemipelagic clays at top and bottom.



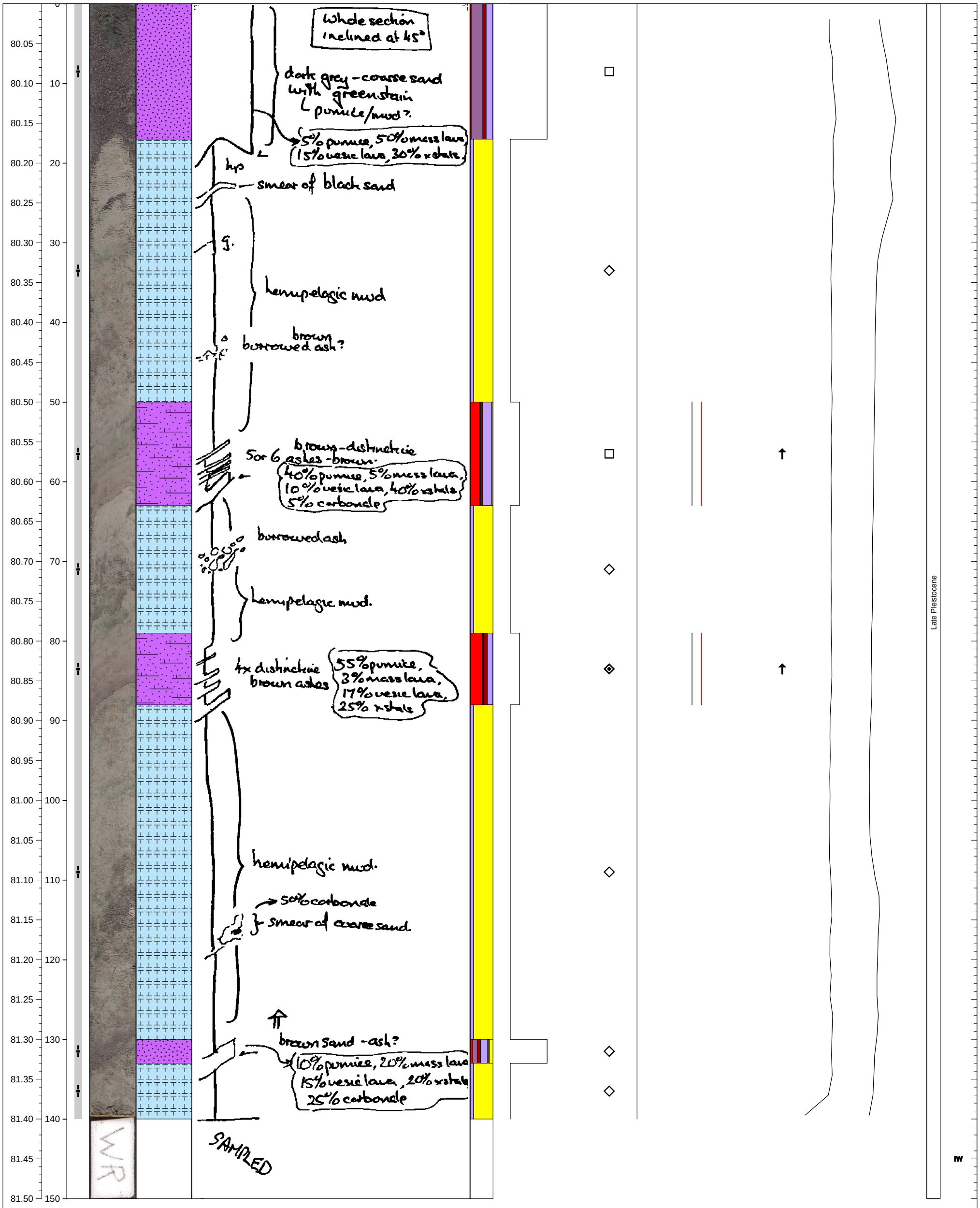
Hole 340-U1400B-13H Section 4, Top of Section: 78.5 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud deposits.



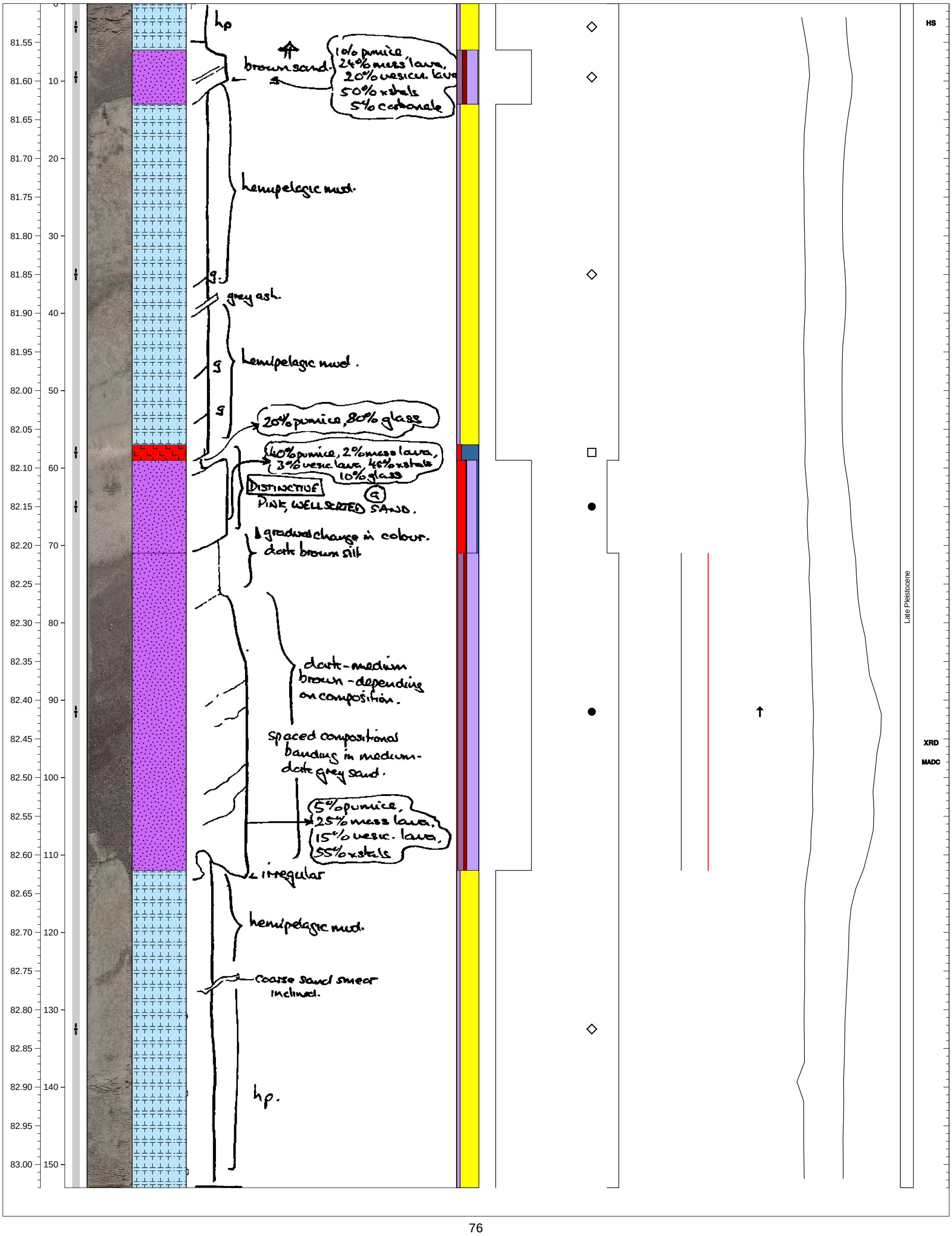
Hole 340-U1400B-13H Section 5, Top of Section: 80.0 CSF-A (m)

Hemipelagic clay interlayered with abundant volcaniclastic sand-mud deposits.



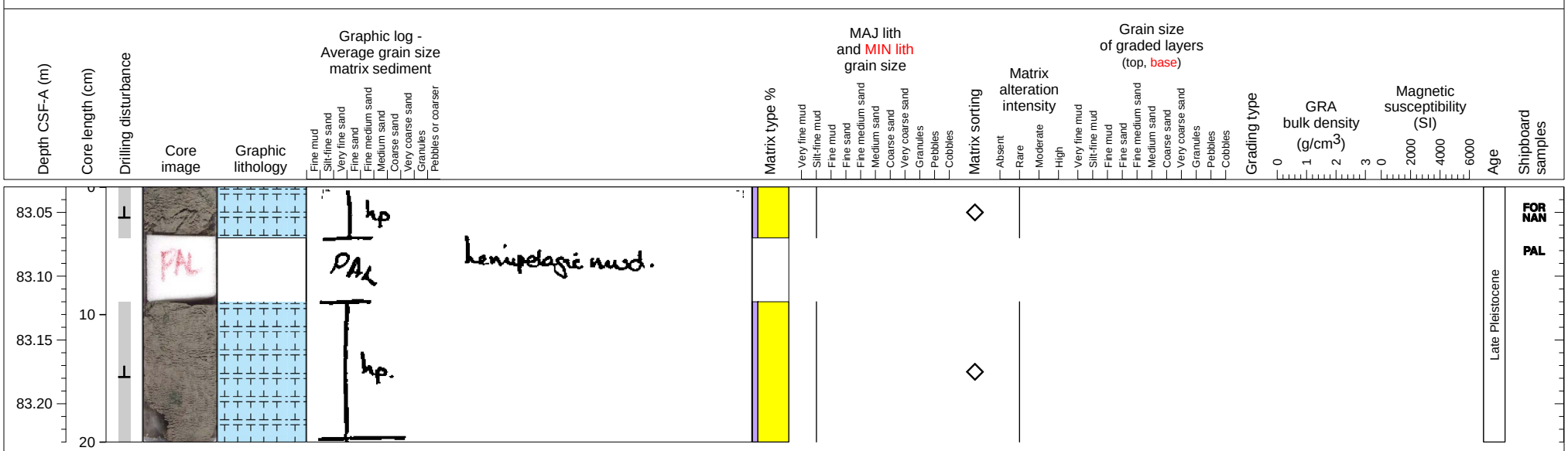
Hole 340-U1400B-13H Section 6, Top of Section: 81.5 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud deposits.



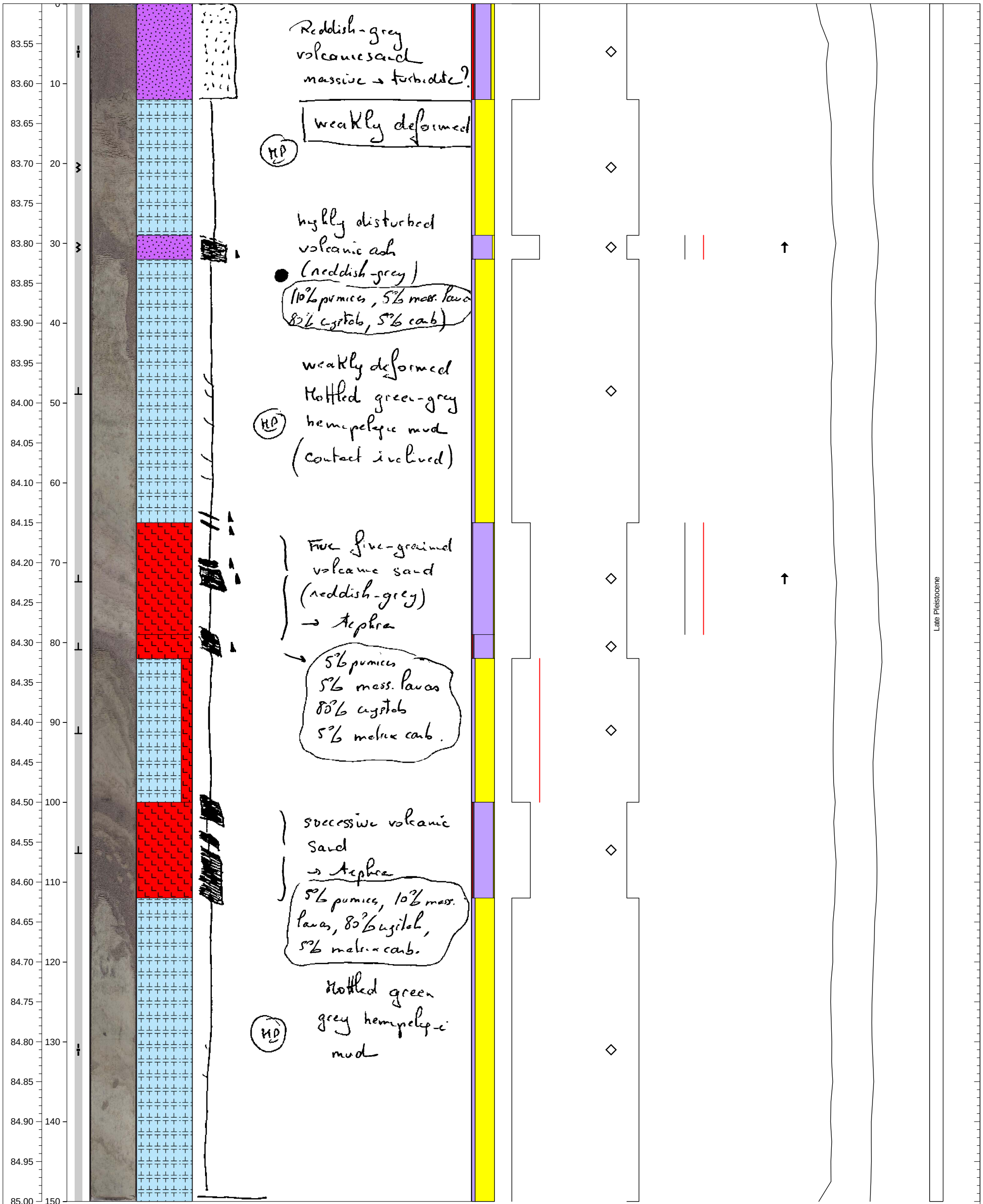
Hole 340-U1400B-13H Section CC, Top of Section: 83.03 CSF-A (m)

Hemipelagic clay. PAL sample from section middle.



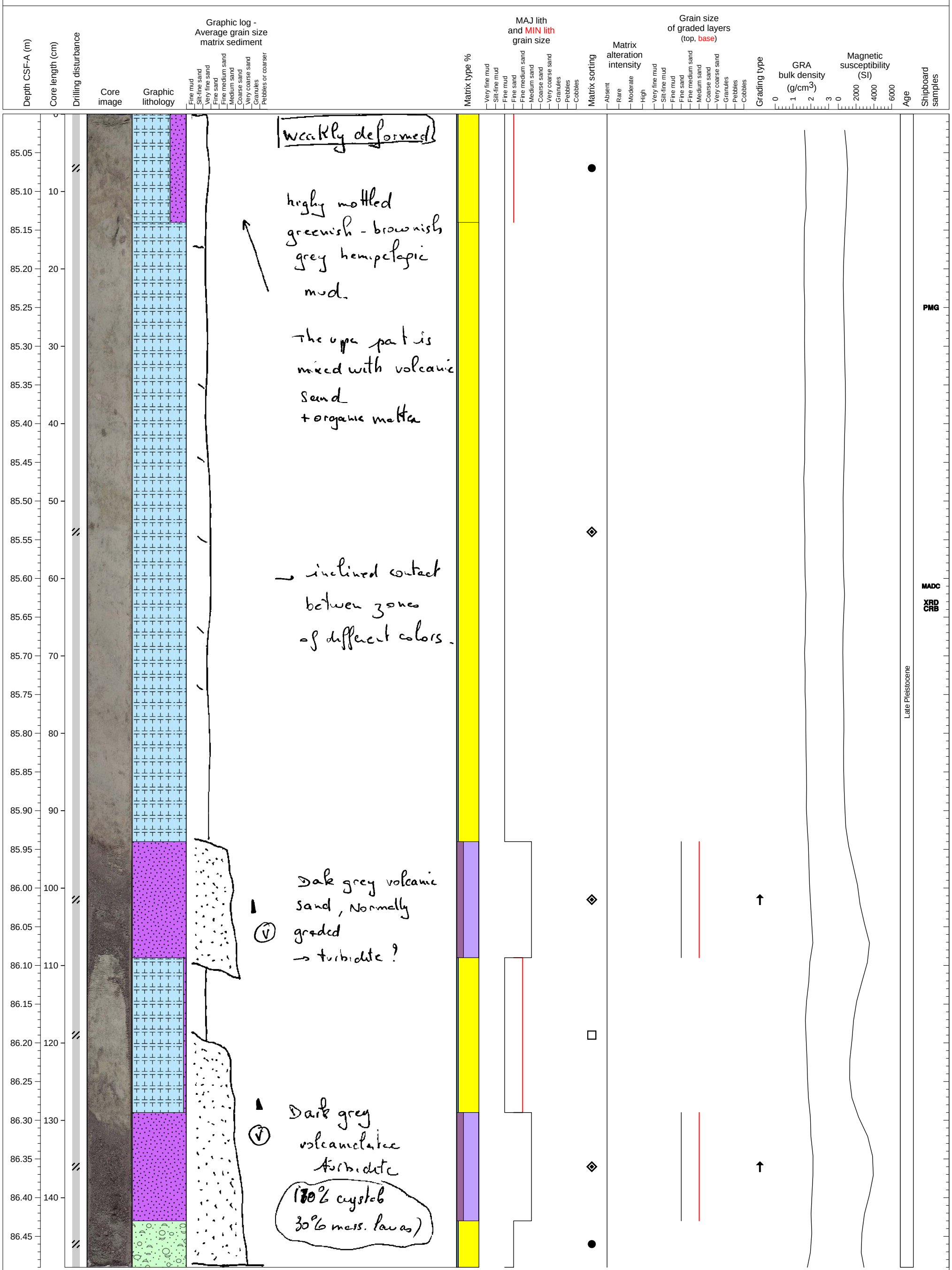
Hole 340-U1400B-14H Section 1, Top of Section: 83.5 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud deposits, with inclined layers



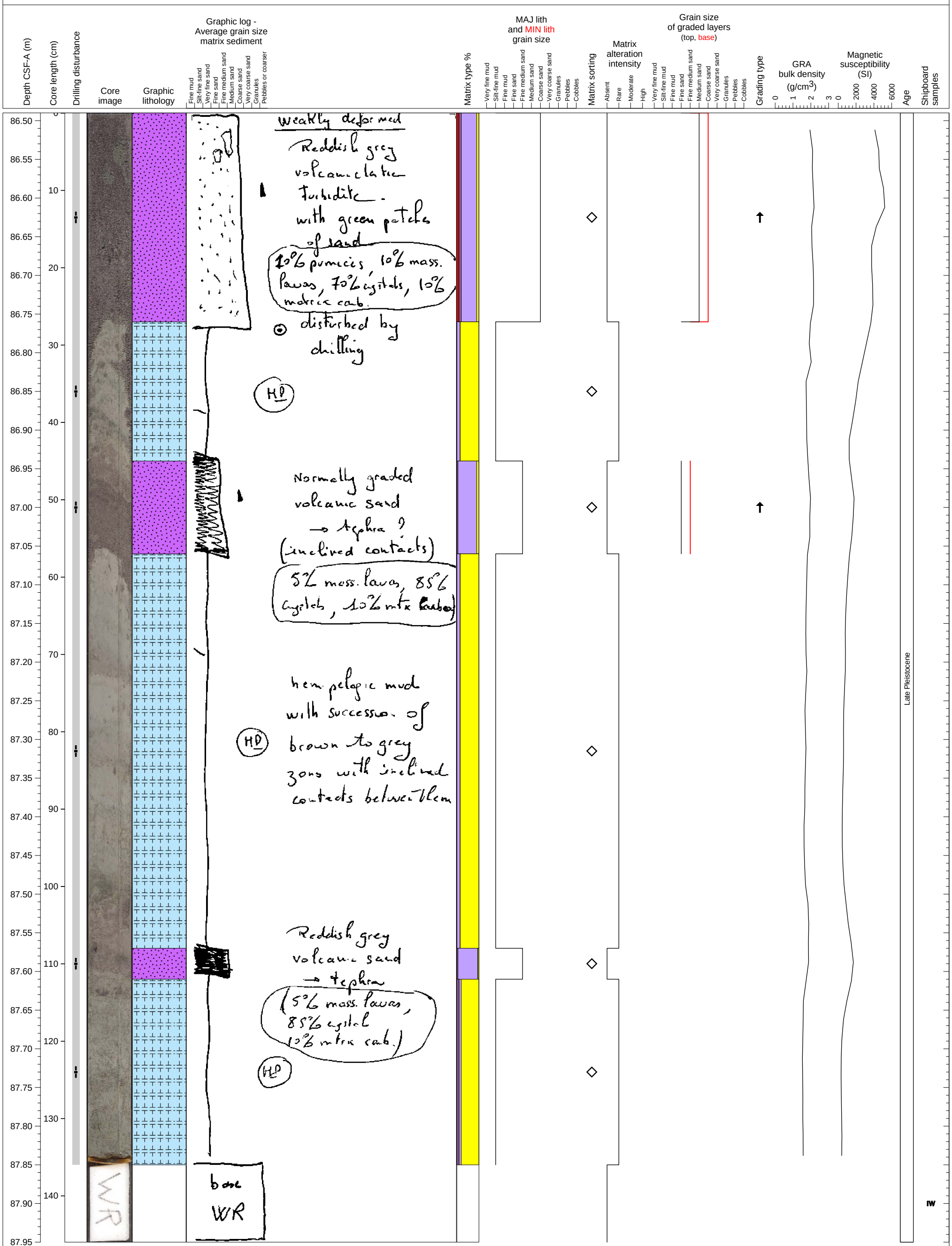
Hole 340-U1400B-14H Section 2, Top of Section: 85.0 CSF-A (m)

Inclined strata. Hemipelagic mud with volcaniclastic turbidites.



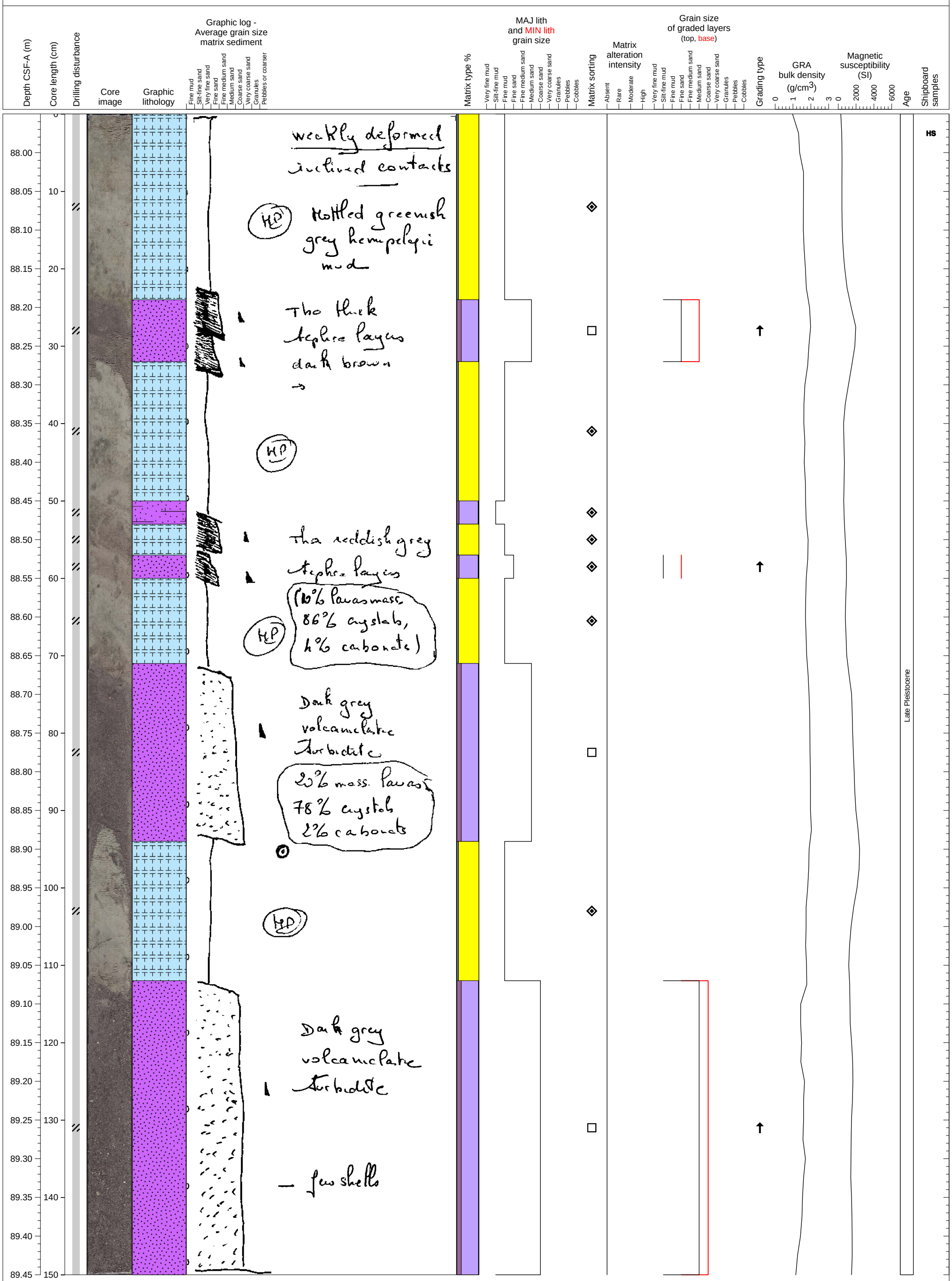
Hole 340-U1400B-14H Section 3, Top of Section: 86.49 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud deposits, with inclined layers



Hole 340-U1400B-14H Section 4, Top of Section: 87.95 CSF-A (m)

Inclined strata. Hemipelagic mud with thin ashfall? layers and volcaniclastic turbidites.



Hole 340-U1400B-14H Section 5, Top of Section: 89.45 CSF-A (m)

Volcanniclastic turbidite and volcanic sand layers intercalated with hemipelagic sediment

Depth CSF-A (m)

Core length (cm)

Drilling disturbance

Core image

Graphic lithology

Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser

Matrix type %

MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles

Matrix sorting

Matrix alteration intensity
Absent
Rare
Moderate
High

Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles

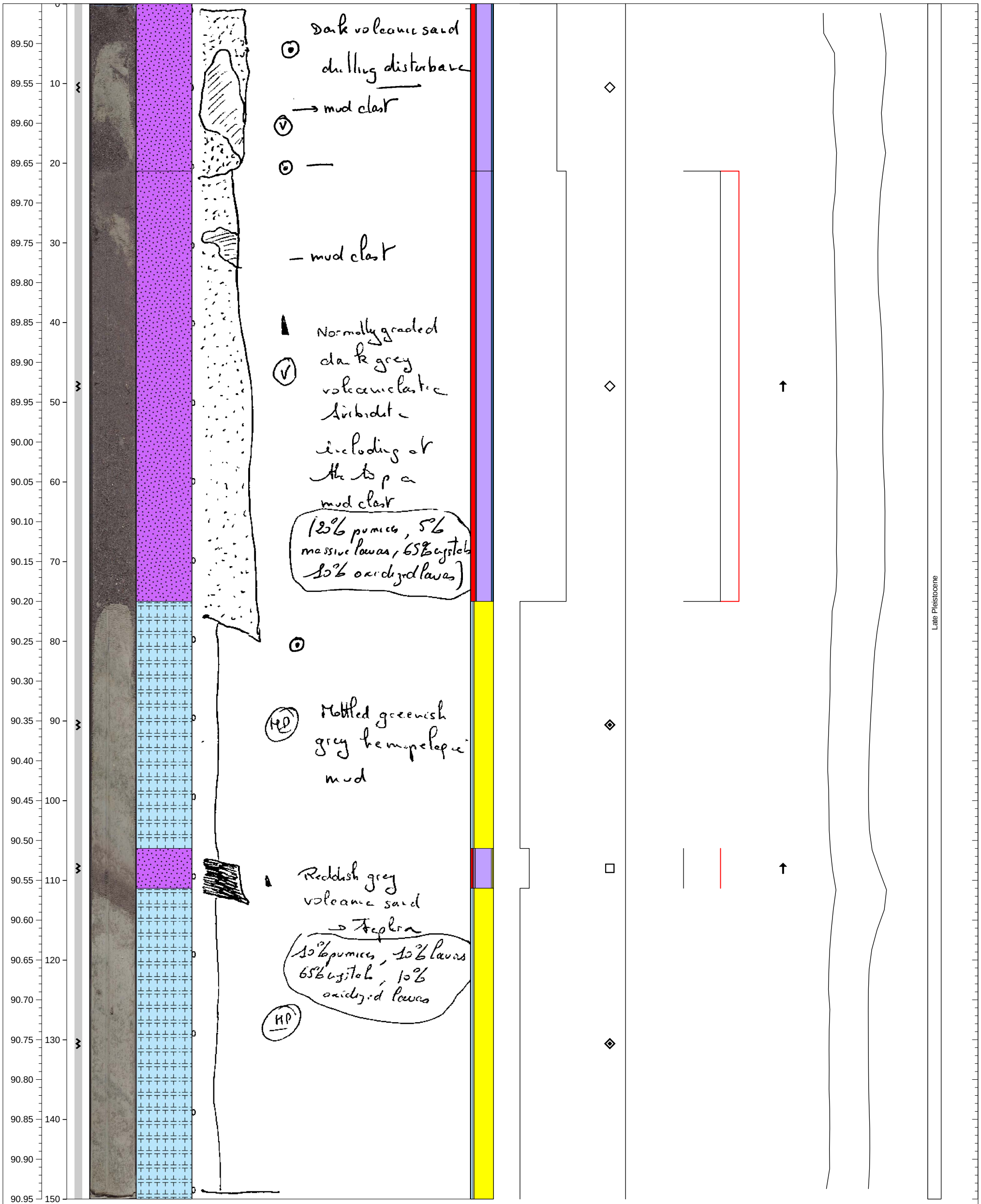
Grading type

GRA bulk density (g/cm^3)
0
1
2
3

Magnetic susceptibility (SI)
0
2000
4000
6000

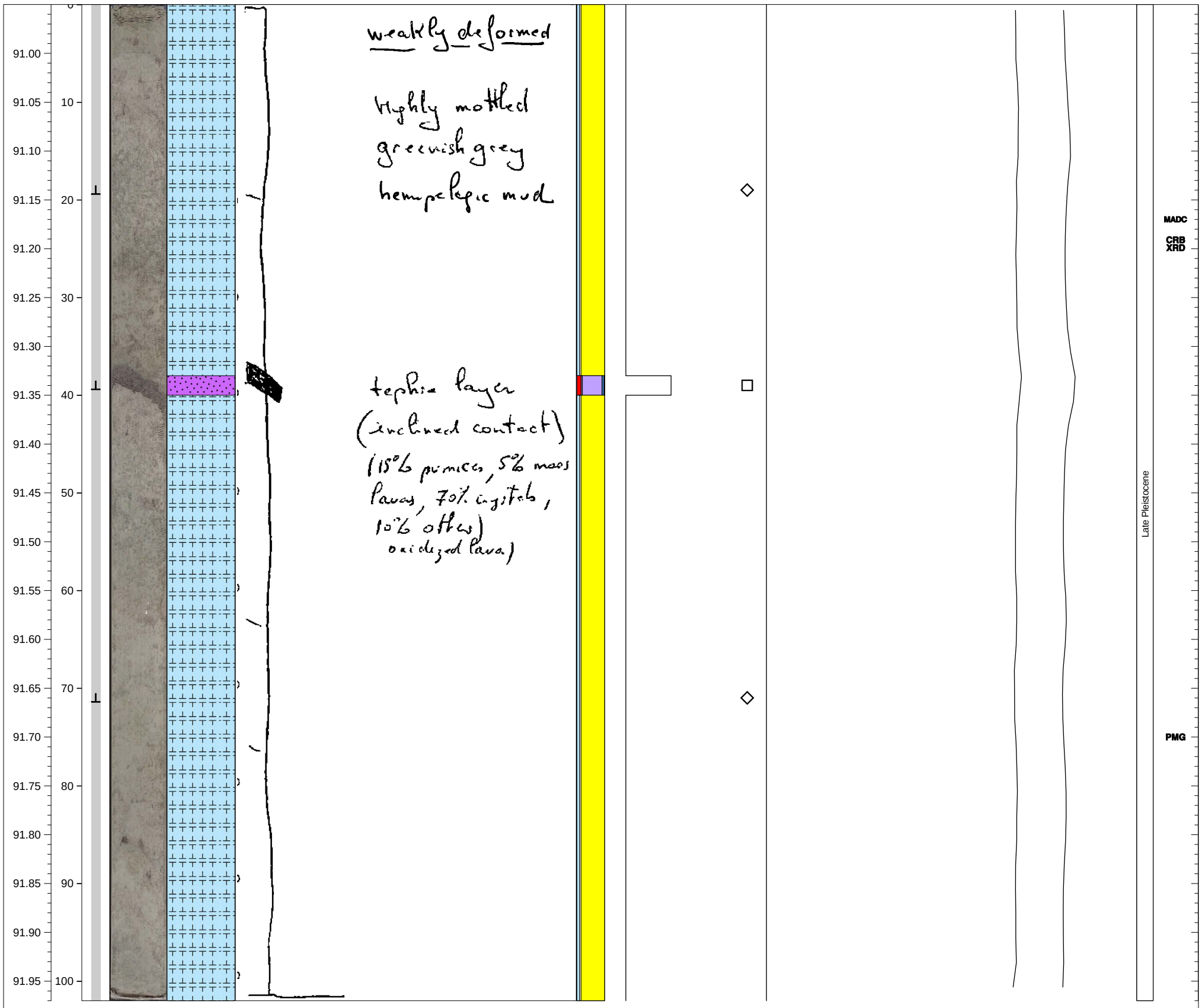
Age

Shipboard samples



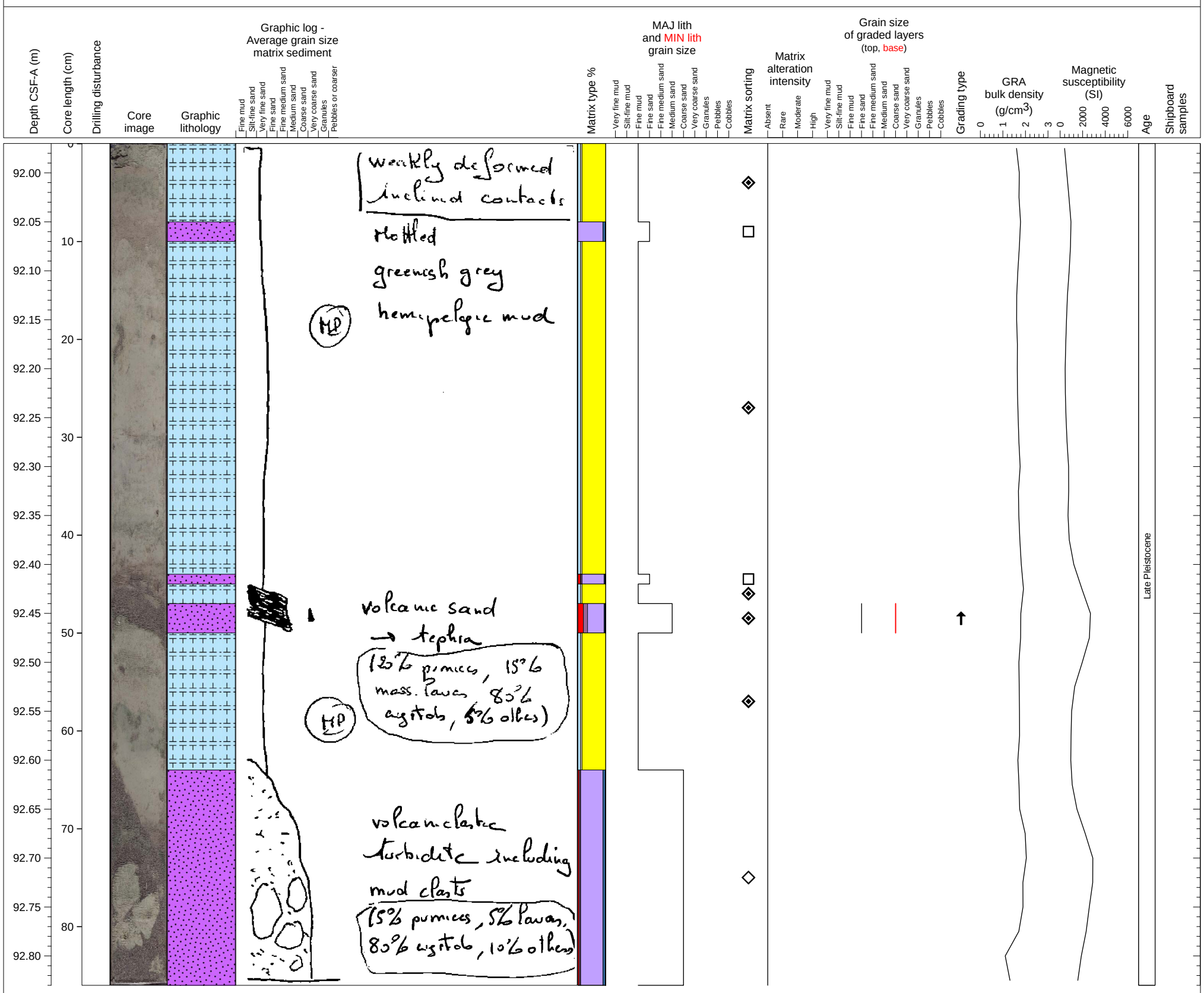
Hole 340-U1400B-14H Section 6, Top of Section: 90.95 CSF-A (m)

Hemipelagic sediment with intercalated volcaniclastic sand layer (ash?)



Hole 340-U1400B-14H Section 7, Top of Section: 91.97 CSF-A (m)

Hemipelagic sediment intercalated with volcaniclastic turbidite and several volcanic ash layers

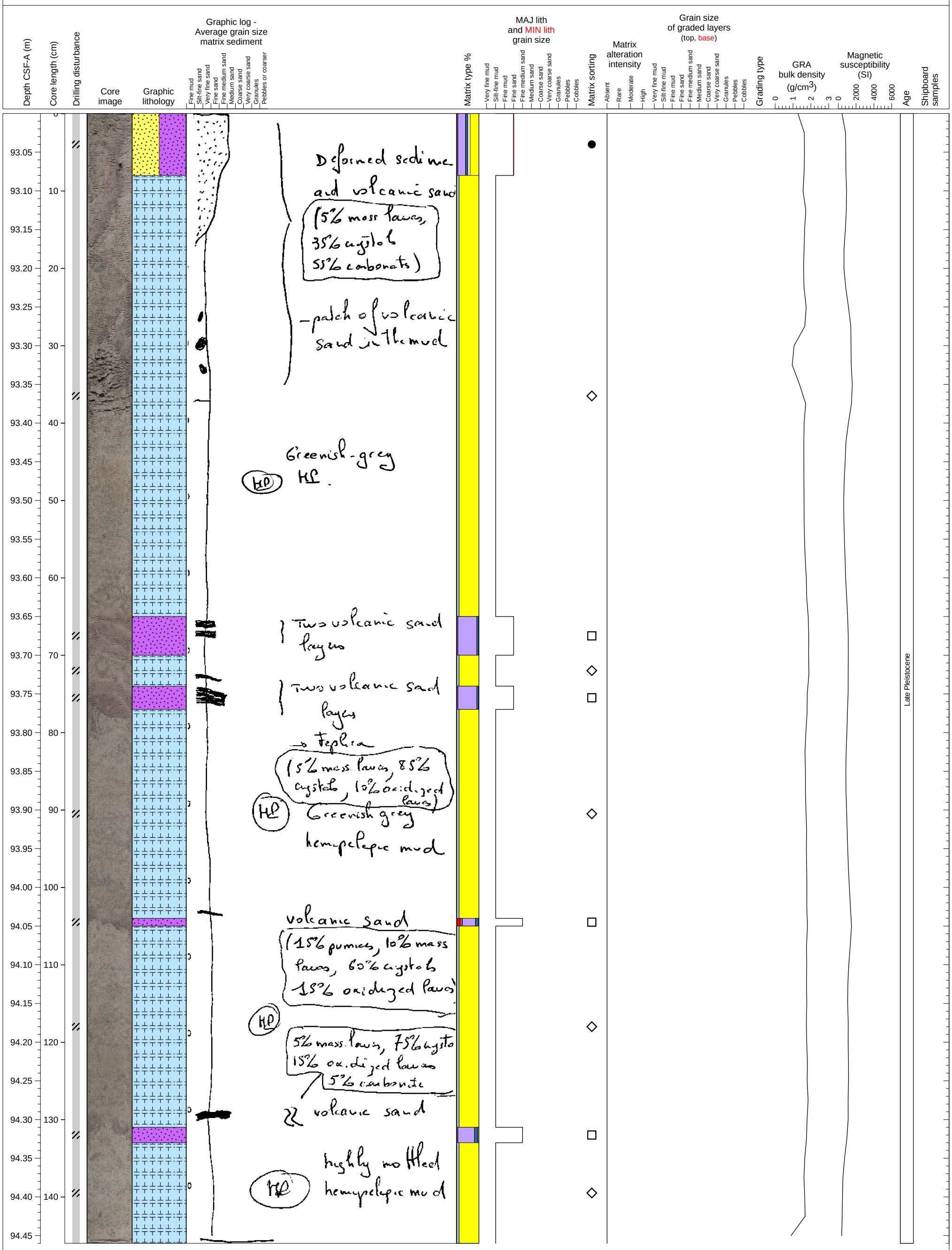


Hole 340-U1400B-14H Section CC, Top of Section: 92.83 CSF-A (m)

Volcaniclastic turbidite intercalated with hemipelagic sediment

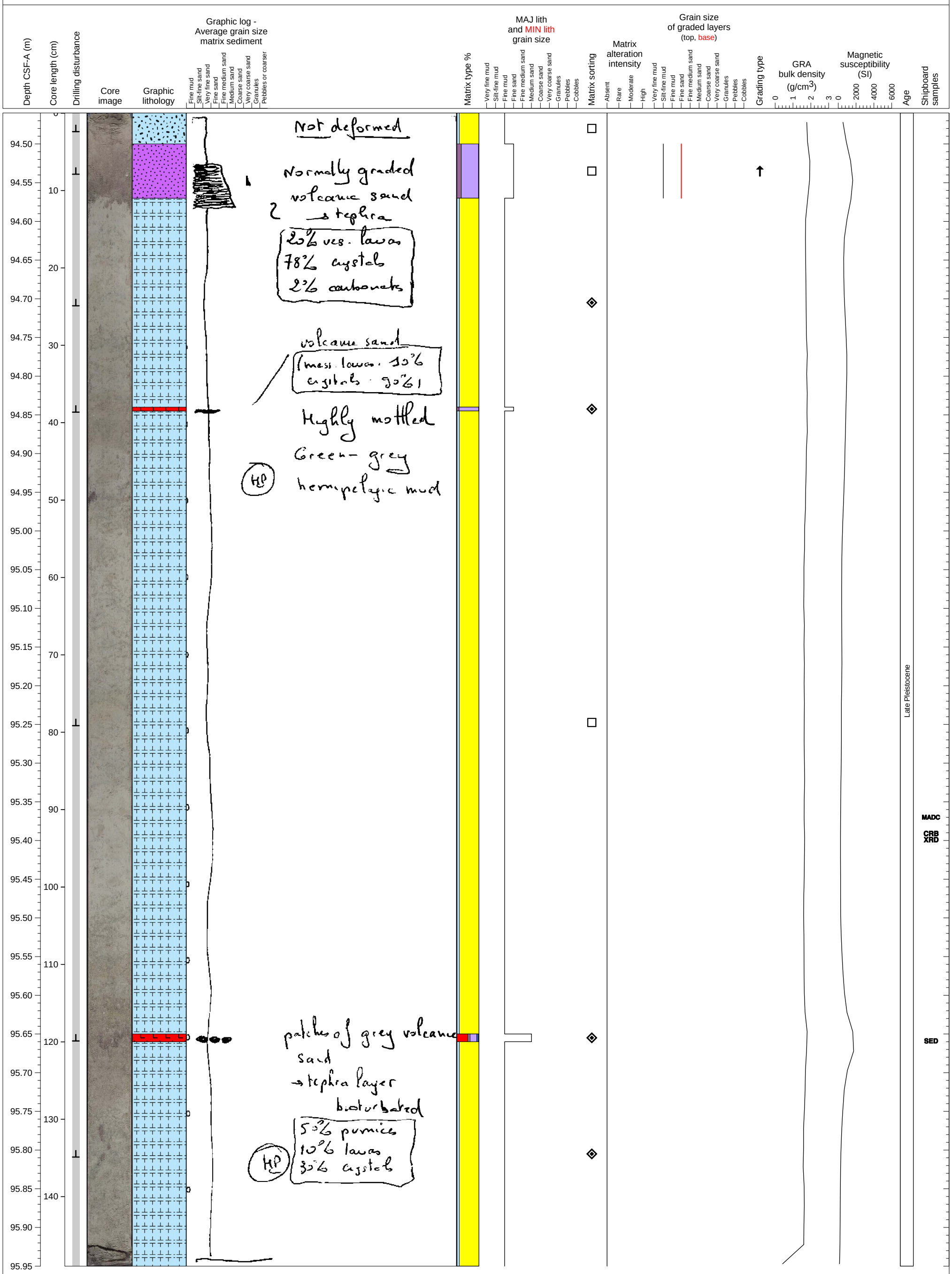
Hole 340-U1400B-15H Section 1, Top of Section: 93.0 CSF-A (m)

Hemipelagic sediment intercalated with volcanic ash layers, highly deformed at the top



Hole 340-U1400B-15H Section 2, Top of Section: 94.46 CSF-A (m)

Bioturbated hemipelagic fines with thin ashfall? layers and a volcaniclastic sand bed.



Hole 340-U1400B-15H Section 3, Top of Section: 95.95 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud deposits, with inclined layers

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
Magnetic susceptibility (SI)
Age
Shipboard samples

Poorly deformed dark grey to green hemipelagic mud

HP

Reddish grey volcanic sand → tephra

HP

5% mass. lavas
90% crystals
5% carbonates

volcanic sand → tephra

5% mass. lavas
85% crystals
10% carbonate

Greenish-grey hemipelagic mud

HP

- sand patch

Reddish grey volcanic sand → tephra

15% lavas, 80% crystals 15% carbonates)

Mottled grey-green hemipelagic mud

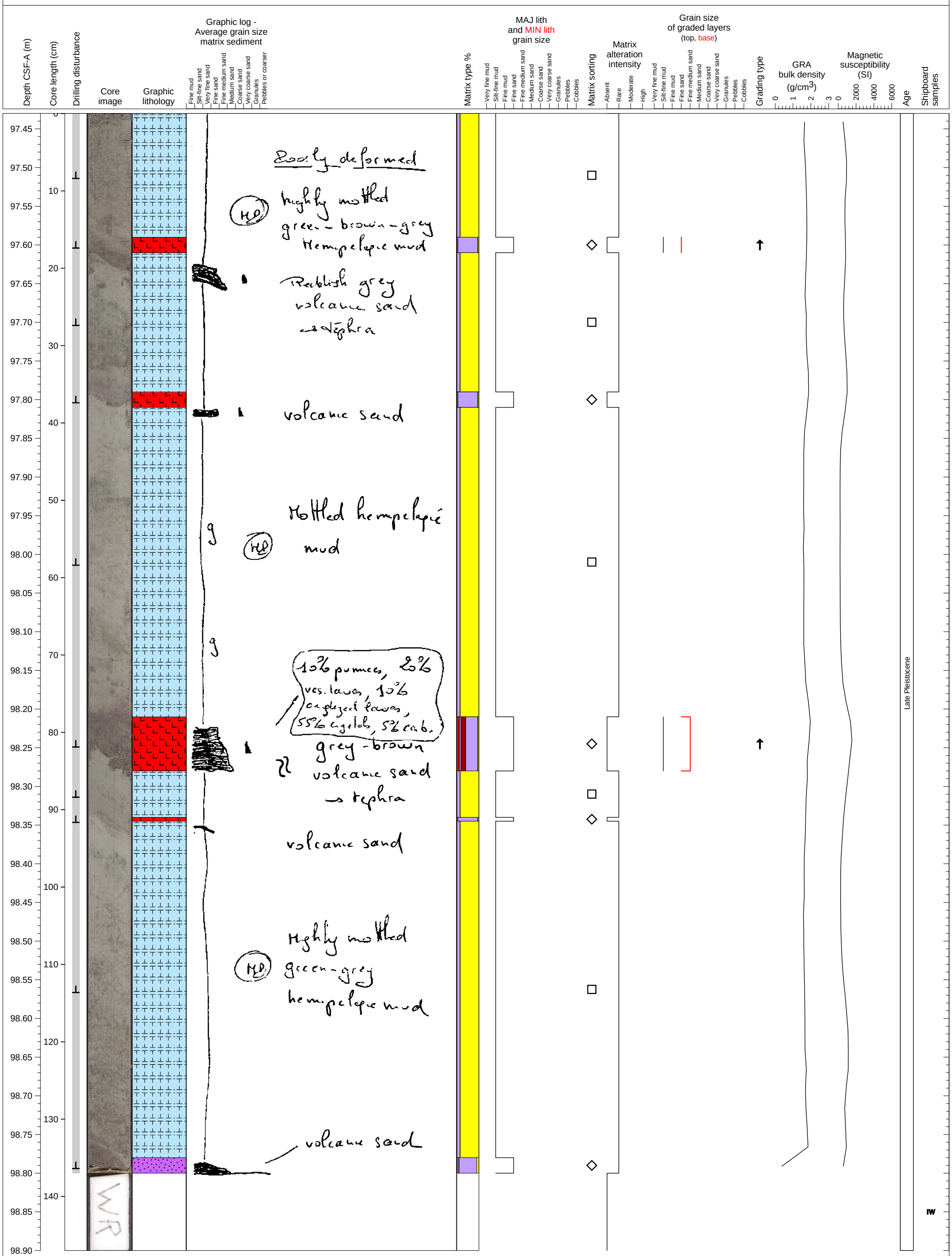
HP

Late Pleistocene

PMG

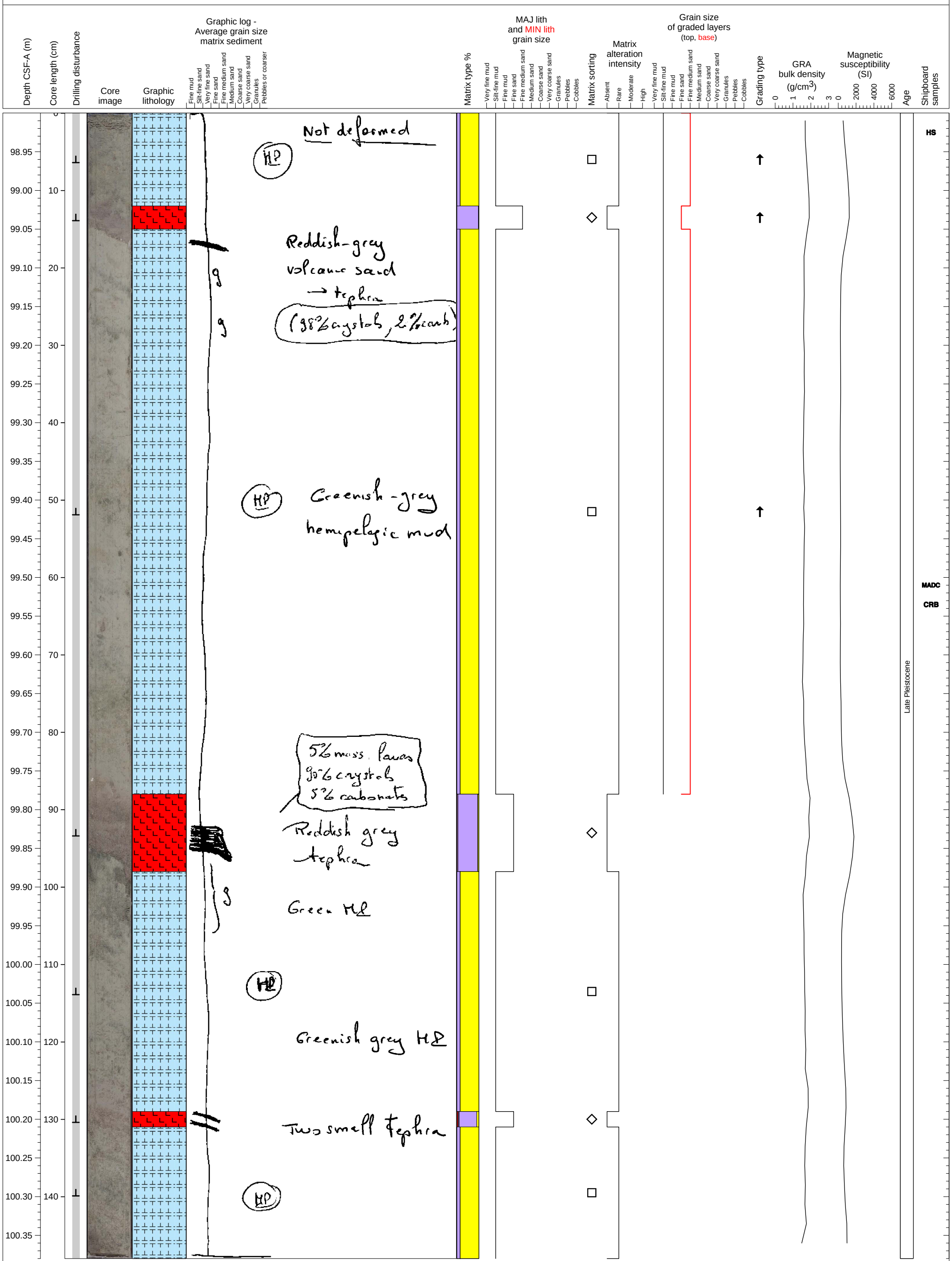
Hole 340-U1400B-15H Section 4, Top of Section: 97.43 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud deposits, with inclined layers



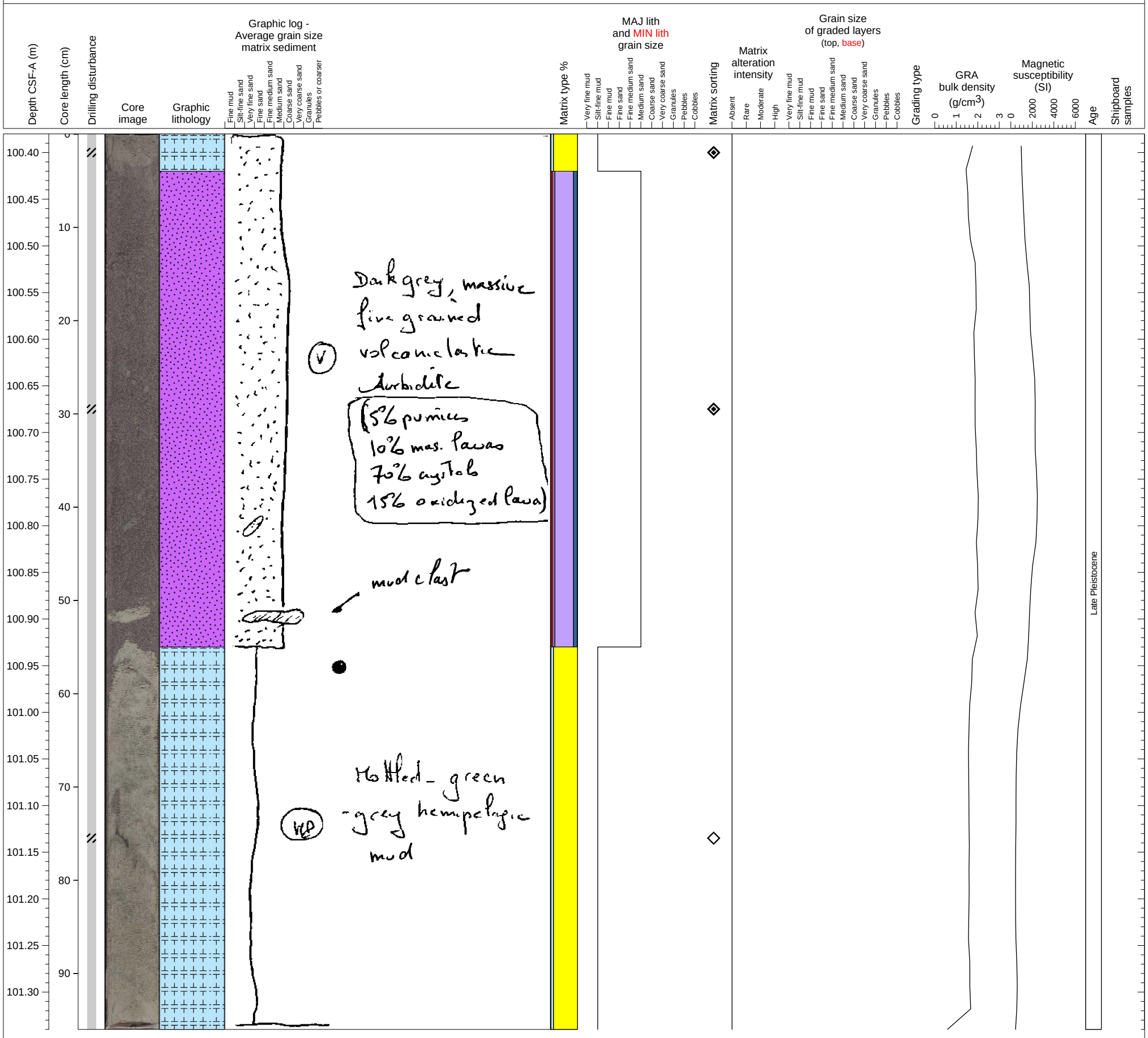
Hole 340-U1400B-15H Section 5, Top of Section: 98.9 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud deposits, with inclined layers



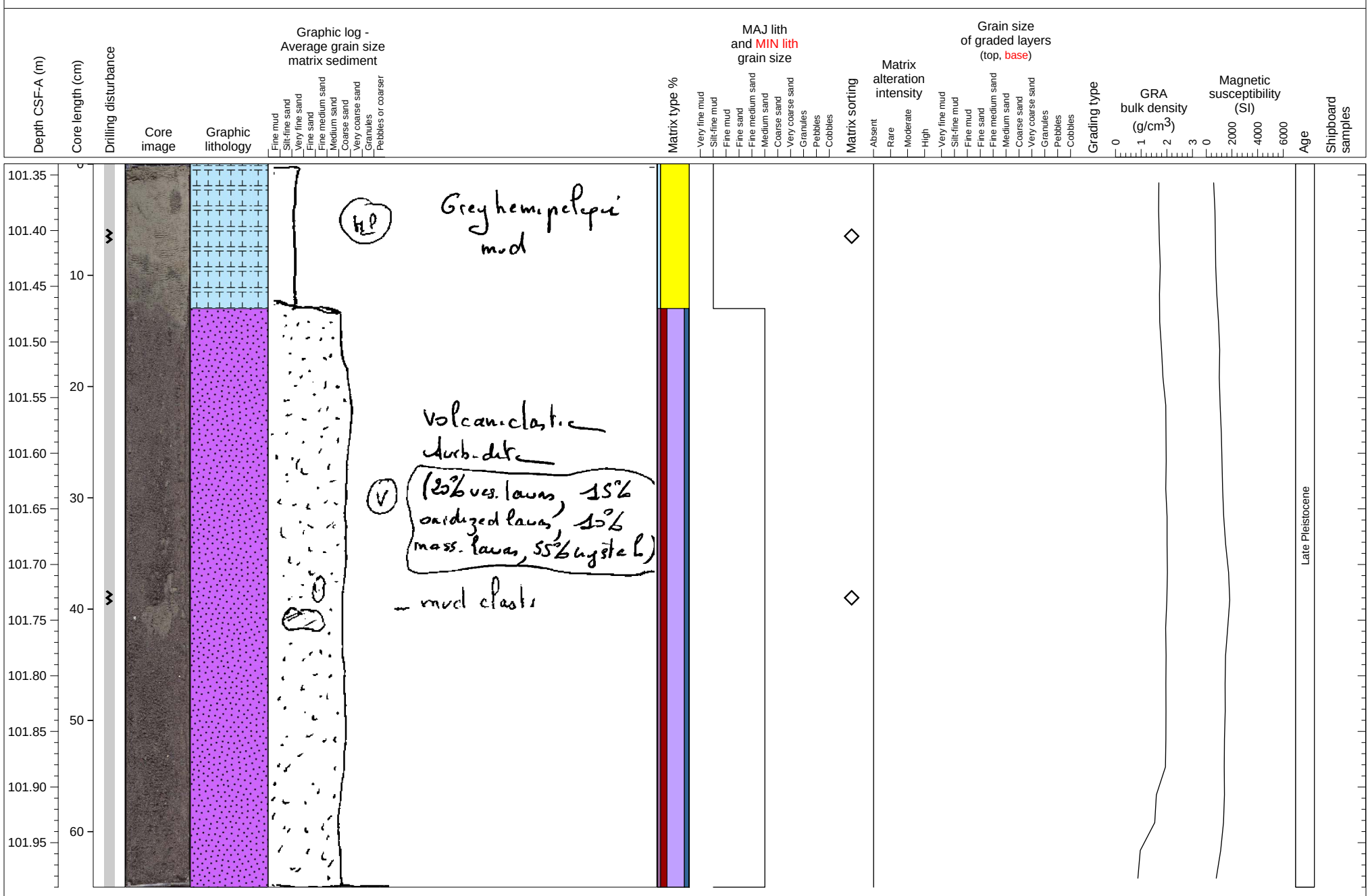
Hole 340-U1400B-15H Section 6, Top of Section: 100.38 CSF-A (m)

Volcaniclastic turbidite in hemipelagic mud



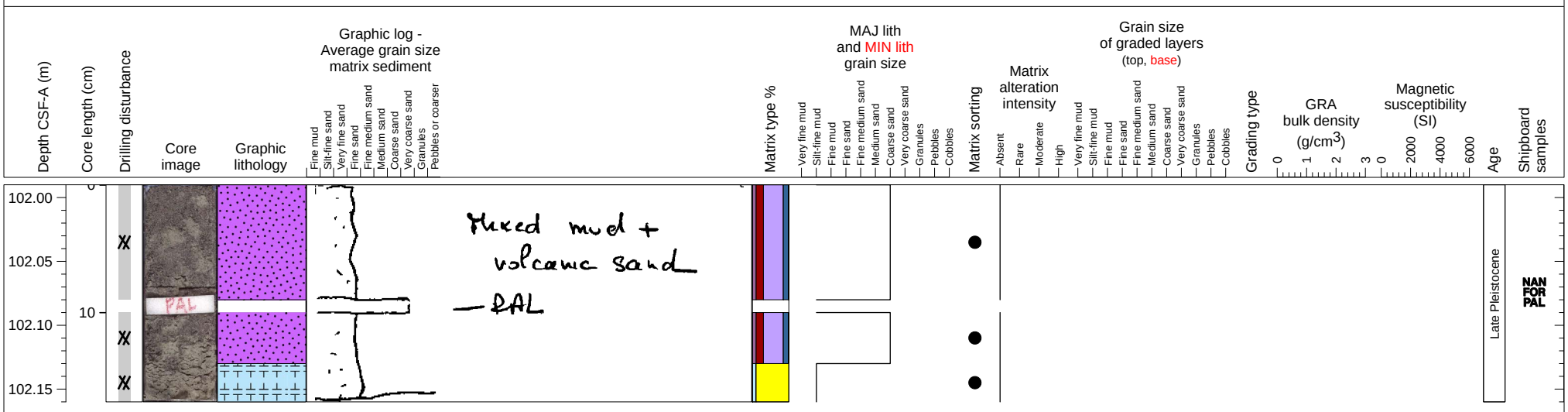
Hole 340-U1400B-15H Section 7, Top of Section: 101.34 CSF-A (m)

Volcaniclastic turbidite in hemipelagic mud



Hole 340-U1400B-15H Section CC, Top of Section: 101.99 CSF-A (m)

Volcaniclastic turbidite in hemipelagic mud



Hole 340-U1400B-16H Section 1, Top of Section: 102.5 CSF-A (m)

Massive volcaniclastic turbidite

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

102.55
102.60
102.65
102.70
102.75
102.80
102.85
102.90
102.95
103.00
103.05
103.10
103.15
103.20
103.25
103.30
103.35
103.40
103.45
103.50
103.55
103.60
103.65
103.70
103.75
103.80

0
10
20
30
40
50
60
70
80
90
100
110
120
130

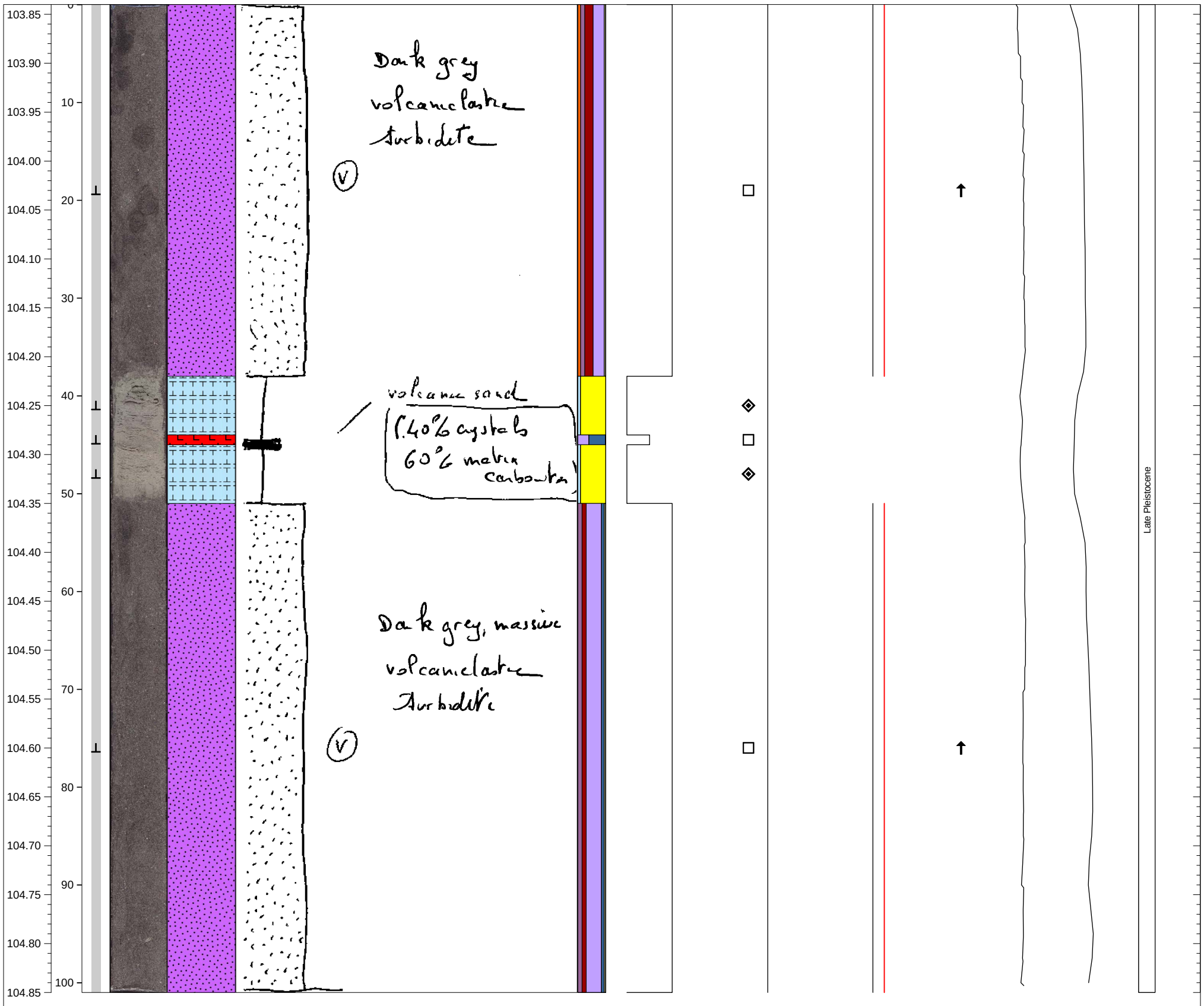
Massive, dark grey volcaniclastic turbidite

30% : ves. lavas
10% : scorias
15% : mass. lavas
40% crystals
5% det. carbonate

Late Pleistocene

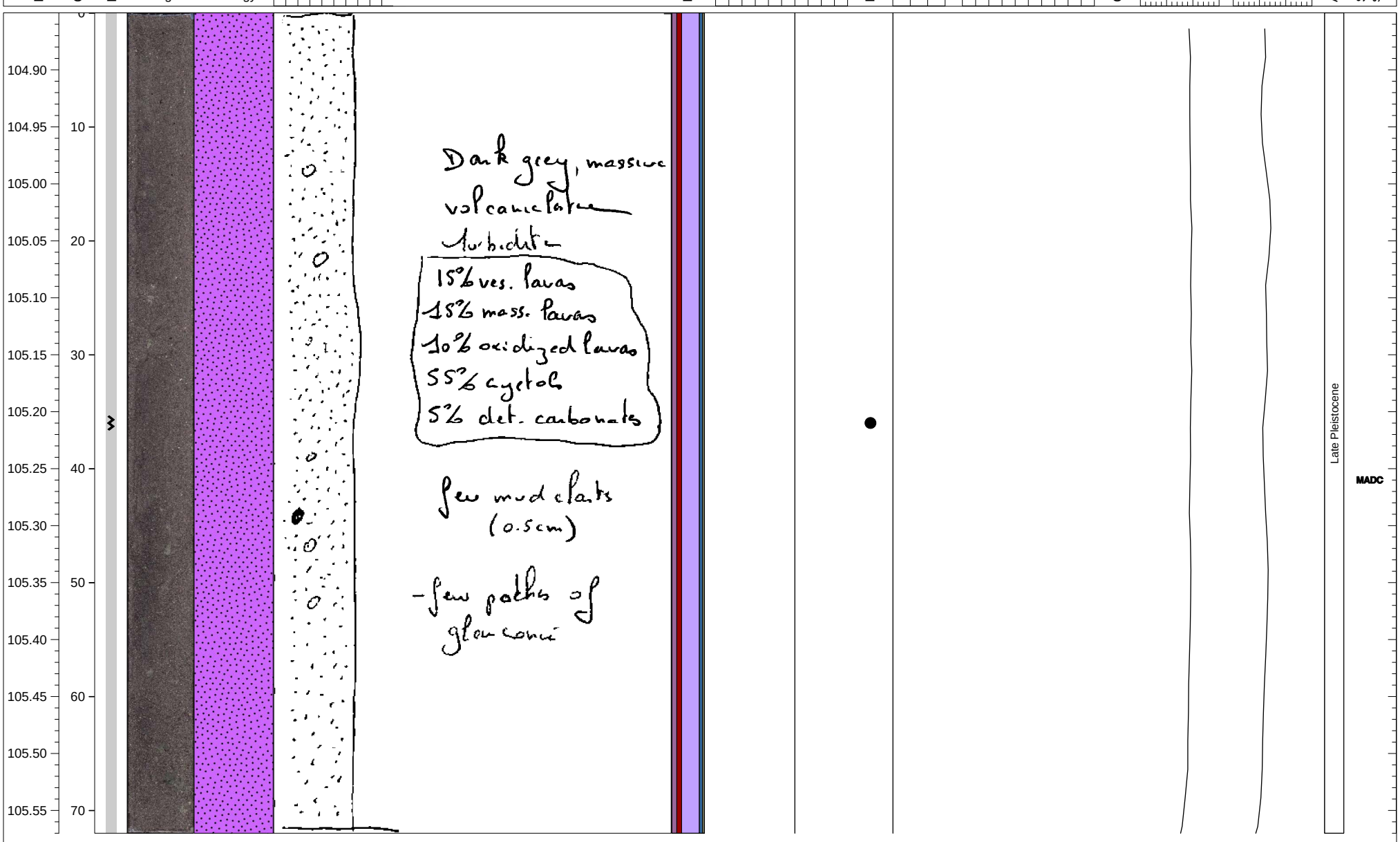
Hole 340-U1400B-16H Section 2, Top of Section: 103.84 CSF-A (m)

Volcaniclastic turbidites and hemipelagic mud



Hole 340-U1400B-16H Section 3, Top of Section: 104.85 CSF-A (m)

Massive volcaniclastic turbidite



Hole 340-U1400B-16H Section CC, Top of Section: 105.57 CSF-A (m)

Volcaniclastic turbidite

Hole 340-U1400B-17H Section 1, Top of Section: 105.7 CSF-A (m)

Mottled hemipelagic sediment with intercalated tephra layers

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

105.75
105.80
105.85
105.90
105.95
106.00
106.05
106.10
106.15
106.20
106.25
106.30
106.35
106.40
106.45
106.50
106.55
106.60
106.65
106.70
106.75
106.80
106.85
106.90
106.95
107.00
107.05
107.10
107.15
107.20

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

→ Mud disturbed by drilling

Grey hemipelagic mud

tephra layer

- tephra layer
20% pumices
10% mass. lavas
20% crystals
50% carbonates

Light grey hemipelgic mud

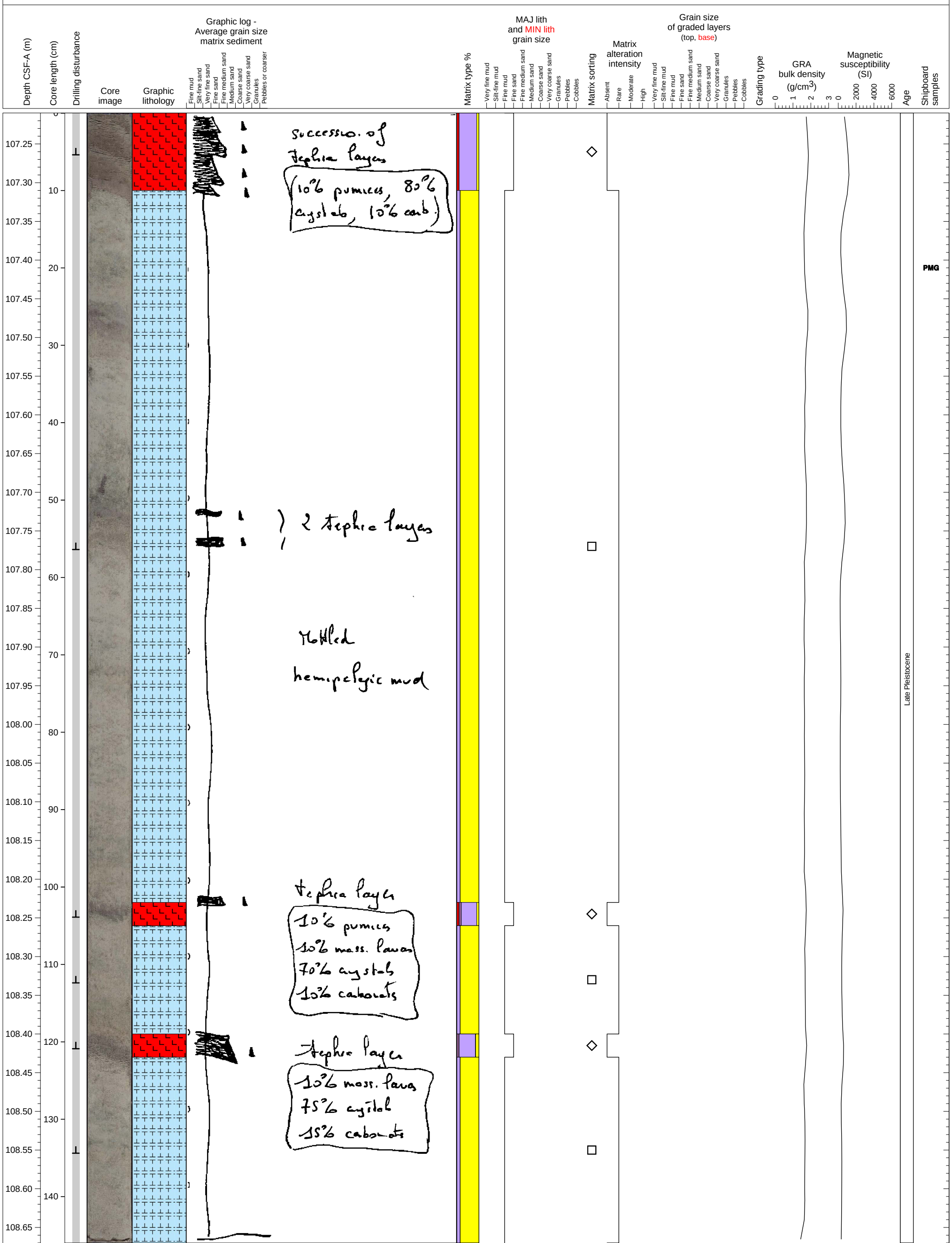
Late Pleistocene

MADC

XRD
CRB

Hole 340-U1400B-17H Section 2, Top of Section: 107.21 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud deposits, with inclined layers



Hole 340-U1400B-17H Section 3, Top of Section: 108.67 CSF-A (m)

Mottled hemipelagic sediment with intercalated volcaniclastic sand layers

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

108.70
108.75
108.80
108.85
108.90
108.95
109.00
109.05
109.10
109.15
109.20
109.25
109.30
109.35
109.40
109.45
109.50
109.55
109.60
109.65
109.70
109.75
109.80
109.85
109.90
109.95
110.00
110.05
110.10

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

tephra layer
10% lavas, 55% crystals
ollers: 10%
35% carbonate

HB

Grey hemipelagic mud

tephra layer
5% lavas
5% oxidized
75% crystals
15% carbonate

Coarse-grained grey tephra layer
35% pumices
60% crystals
5% mass. lavas
→ abundant petals of glauconite

HB

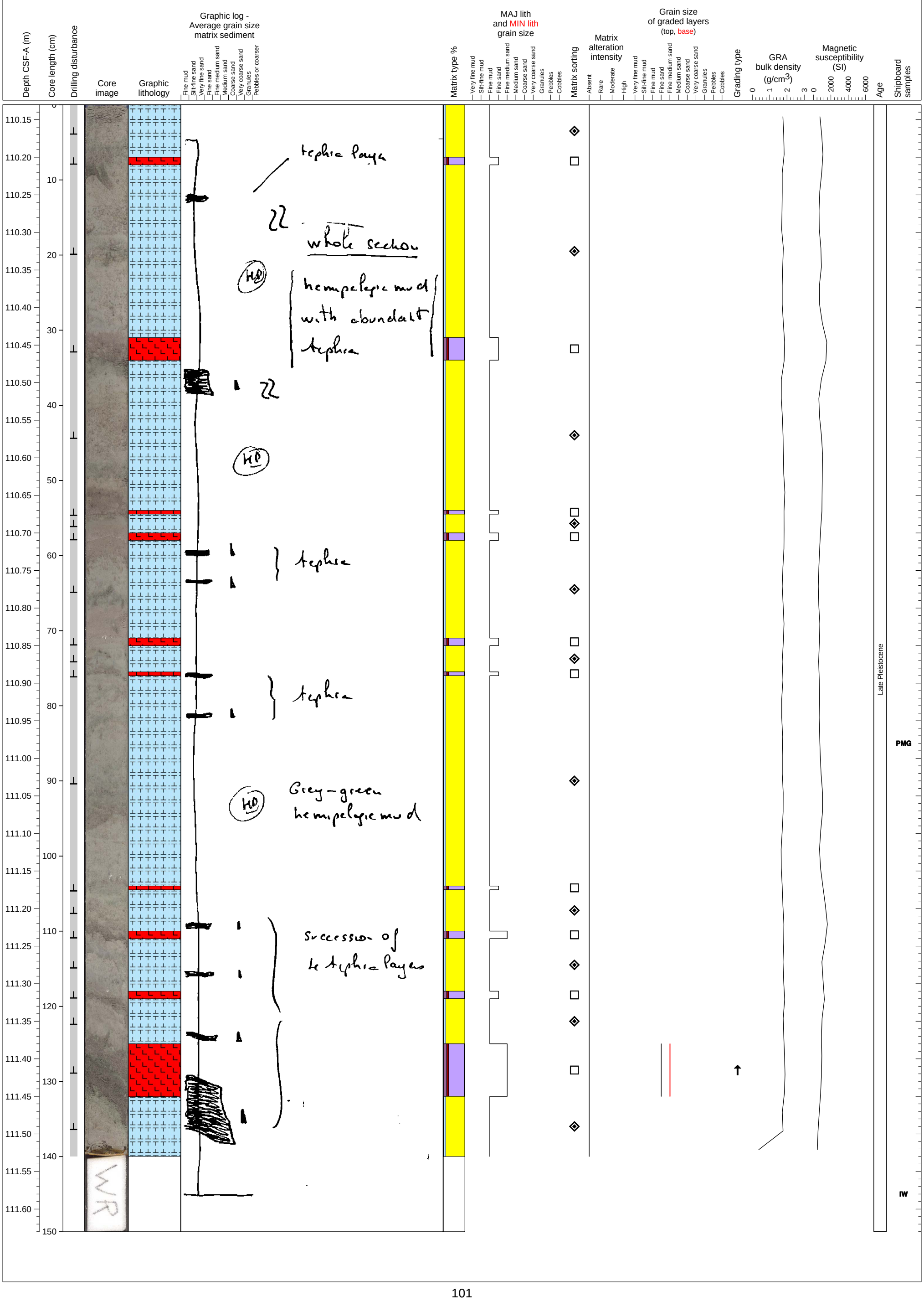
Grey thick tephra layer
25% pumices
10% mass. lavas
65% crystals
5% det. carb.

Poorly deformed

Late Pleistocene

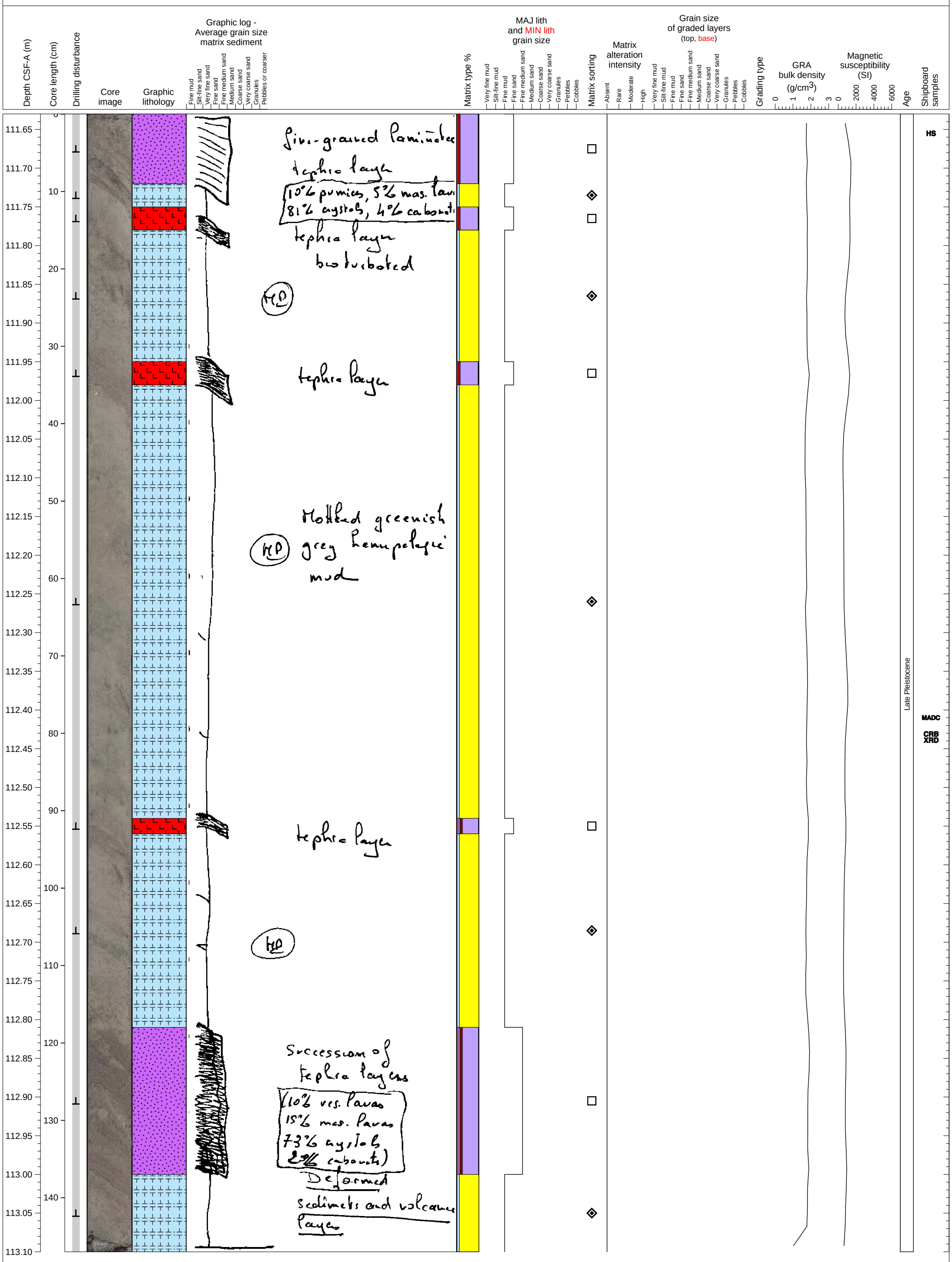
Hole 340-U1400B-17H Section 4, Top of Section: 110.13 CSF-A (m)

Hemipelagic sediments with > 10 thin ashfall? layers.



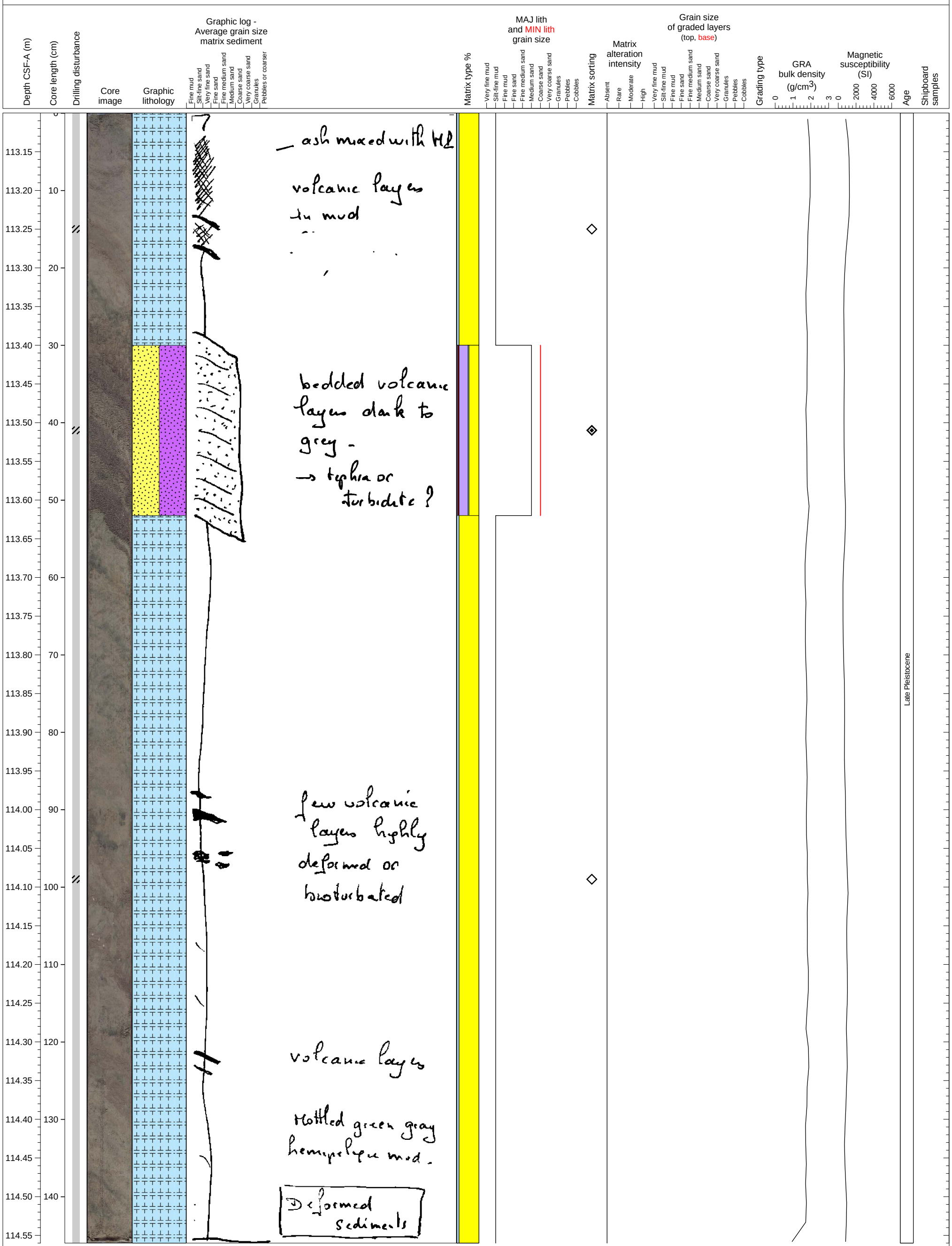
Hole 340-U1400B-17H Section 5, Top of Section: 111.63 CSF-A (m)

Hemipelagic fine sediments with 5 thin ashfall layers or turbidite.



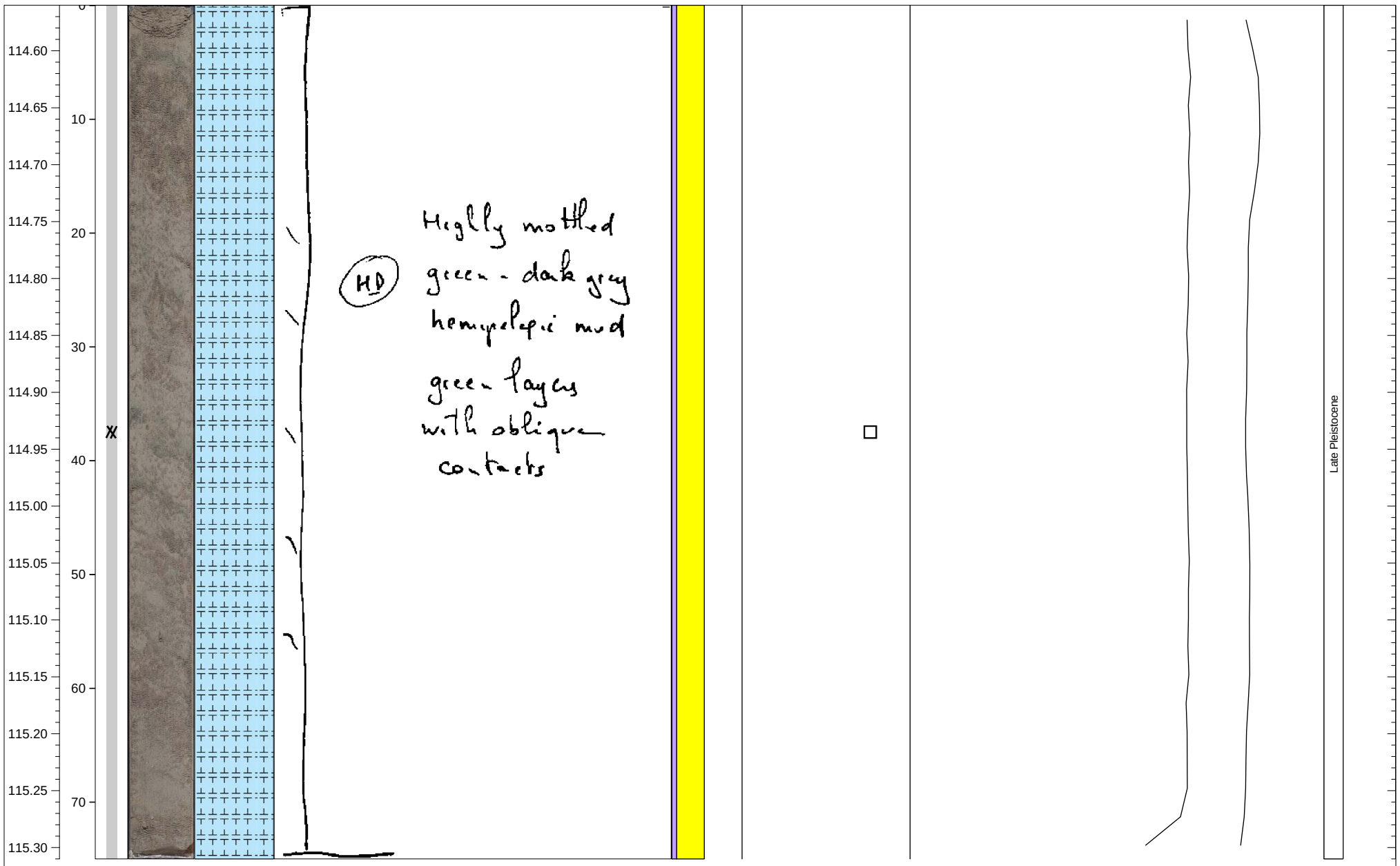
Hole 340-U1400B-17H Section 6, Top of Section: 113.1 CSF-A (m)

Mottled hemipelagic sediment intercalated with bedded mixture of volcaniclastic and bioclastic materials



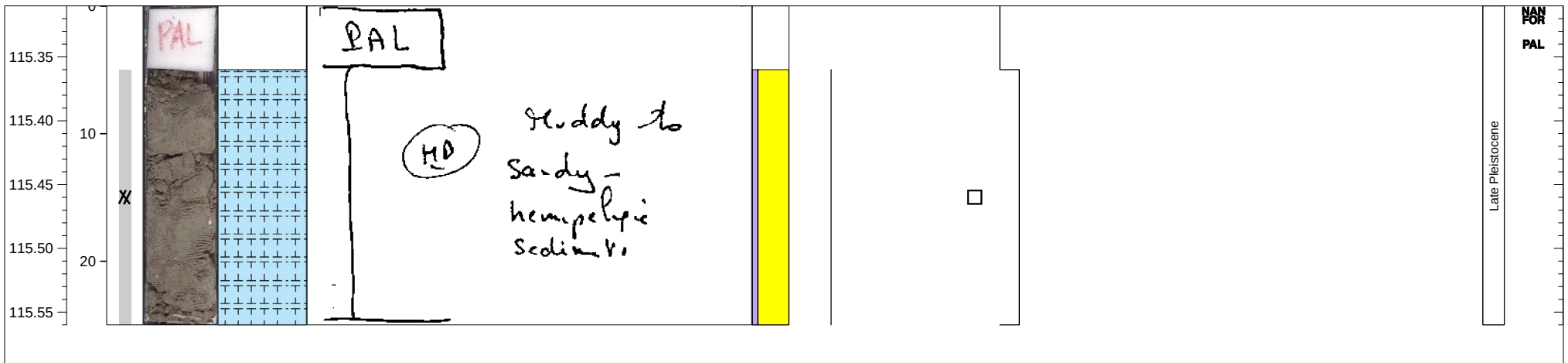
Hole 340-U1400B-17H Section 7, Top of Section: 114.56 CSF-A (m)

Hemipelagic clay



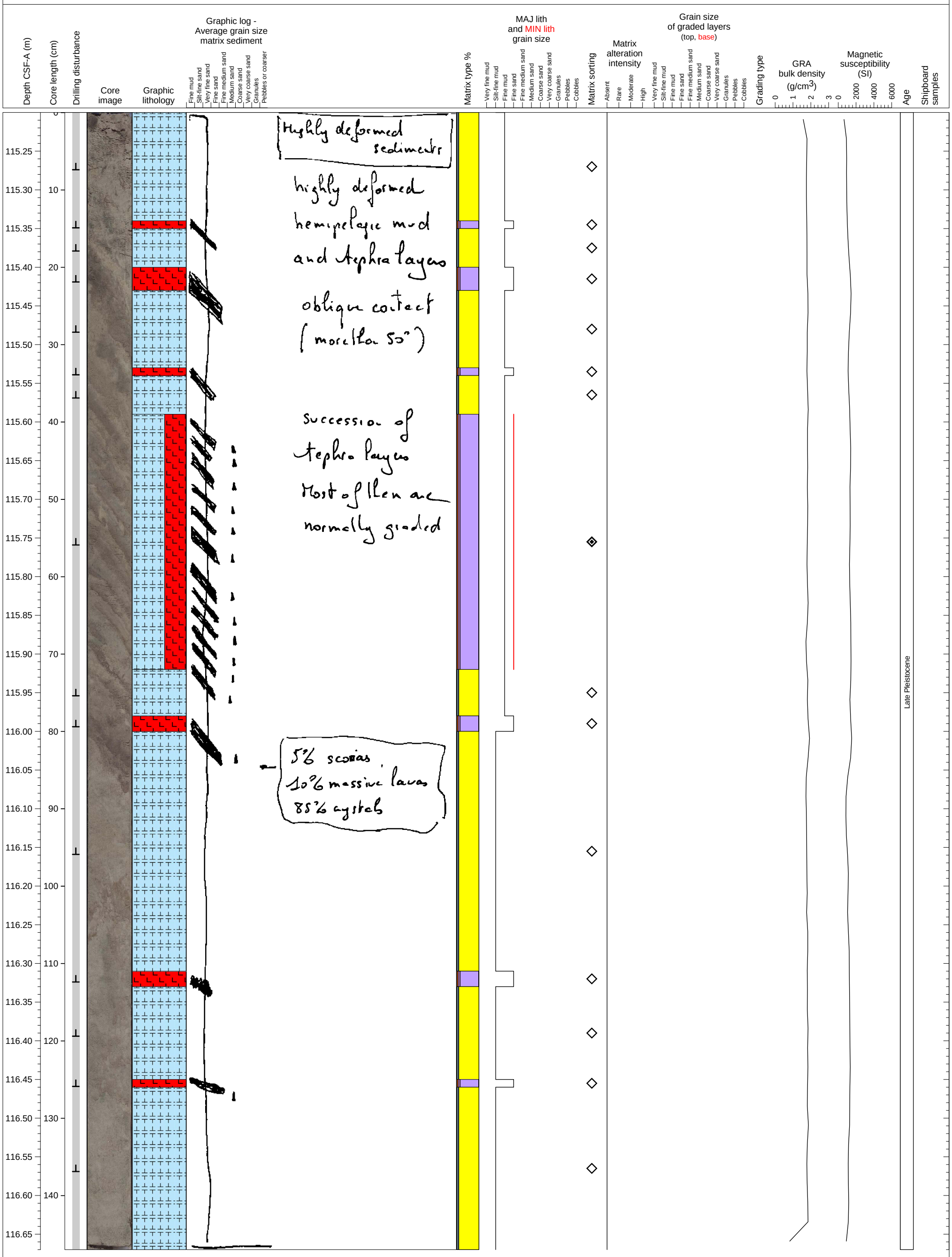
Hole 340-U1400B-17H Section CC, Top of Section: 115.31 CSF-A (m)

Hemipelagic clay



Hole 340-U1400B-18H Section 1, Top of Section: 115.2 CSF-A (m)

Hemipelagic fine sediments with lots of thin ashfall layers. Moderately to heavily bioturbated.



Hole 340-U1400B-18H Section 2, Top of Section: 116.67 CSF-A (m)

Hemipelagic sediments interbedded with thin ash layers.

Depth CSF-A (m)

Core length (cm)

Drilling disturbance

Core image

Graphic lithology

Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser

Matrix type %

MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles

Matrix sorting

Matrix alteration intensity
Absent
Rare
Moderate
High

Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles

Grading type

GRA bulk density (g/cm^3)
0
1
2
3

Magnetic susceptibility (SI)
0
2000
4000
6000

Age
Late Pleistocene

Shipboard samples

116.70 116.75 116.80 116.85 116.90 116.95 117.00 117.05 117.10 117.15 117.20 117.25 117.30 117.35 117.40 117.45 117.50 117.55 117.60 117.65 117.70 117.75 117.80 117.85 117.90 117.95 118.00 118.05 118.10

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

highly deformed hemipelagic mud highly mottled with green layers inclined

→ tephra layer

tephra layer Reversely graded

→ patches of volcanic sand in mud tephra layers!

Hole 340-U1400B-18H Section 3, Top of Section: 118.14 CSF-A (m)

Hemipelagic sediments interbedded with thin ash layers.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

118.15
118.20
118.25
118.30
118.35
118.40
118.45
118.50
118.55
118.60
118.65
118.70
118.75
118.80
118.85
118.90
118.95
119.00
119.05
119.10
119.15
119.20
119.25
119.30
119.35
119.40
119.45
119.50
119.55
119.60

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

Highly deformed sediment

hemipelagic mud with oblique contact between different zones

HD

contacts: 60°

tephra layer
5% pumices
5% mass. lavas
80% crystals
10% carbonates

- tephra layer
5% mass. lavas
84% crystals
1% pyrite
10% carbonates

HD

Late Pleistocene

MADC
XRD
CRB

Hole 340-U1400B-18H Section 4, Top of Section: 119.62 CSF-A (m)

Hemipelagic sediment

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

119.65
119.70
119.75
119.80
119.85
119.90
119.95
120.00
120.05
120.10
120.15
120.20
120.25
120.30
120.35
120.40
120.45
120.50
120.55
120.60
120.65
120.70
120.75
120.80
120.85
120.90
120.95
121.00
121.05
121.10

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

Deformed Sediment

the whole section:

Mottled greenish grey hemipelagic mud

few pumices granuls included

WR

Late Pleistocene

PMG

IW

Hole 340-U1400B-18H Section 5, Top of Section: 121.1 CSF-A (m)

Deformed mottled hemipelagic sediment with intercalated fine tephra layers

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
Magnetic susceptibility (SI)
Age
Shipboard samples

121.15 – 0
121.20 – 10
121.25
121.30 – 20
121.35
121.40 – 30
121.45
121.50 – 40
121.55
121.60 – 50
121.65
121.70 – 60
121.75
121.80 – 70
121.85
121.90 – 80
121.95
122.00 – 90
122.05
122.10 – 100
122.15
122.20 – 110
122.25
122.30 – 120
122.35
122.40 – 130
122.45
122.50 – 140
122.55

Highly deformed hemipelagic mud with tephra layers

g

Greenish grey hemipelagic mud

g

volcanic layer with oblique cracks (60°) → tephra

Imass. lavas: 10%
pumices 5%
crystals: 45%
carbonate: 20%)

g

tephra layer

Greenish - grey hemipelagic mud

HS

Late Pleistocene

Hole 340-U1400B-18H Section 6, Top of Section: 122.56 CSF-A (m)

Hemipelagic fine sediments with a few of ashfall or volcaniclastic turbiditic layers. Moderately to heavily bioturbated.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

122.60
122.65
122.70
122.75
122.80
122.85
122.90
122.95
123.00
123.05
123.10
123.15
123.20
123.25
123.30
123.35
123.40
123.45
123.50
123.55
123.60
123.65
123.70
123.75
123.80
123.85
123.90
123.95
124.00

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

Highly deformed Sediments

hemipelagic mud with inclined contacts between zons of different colors

tephra layer, rich in pumices, light grey Normally graded with contacts ≃ 60° with the mud

30% pumices, 5% mas lava, 30% cystals, glass-35%

Greenish-grey hemipelagic mud (oblique limit)

Dark tephra layer

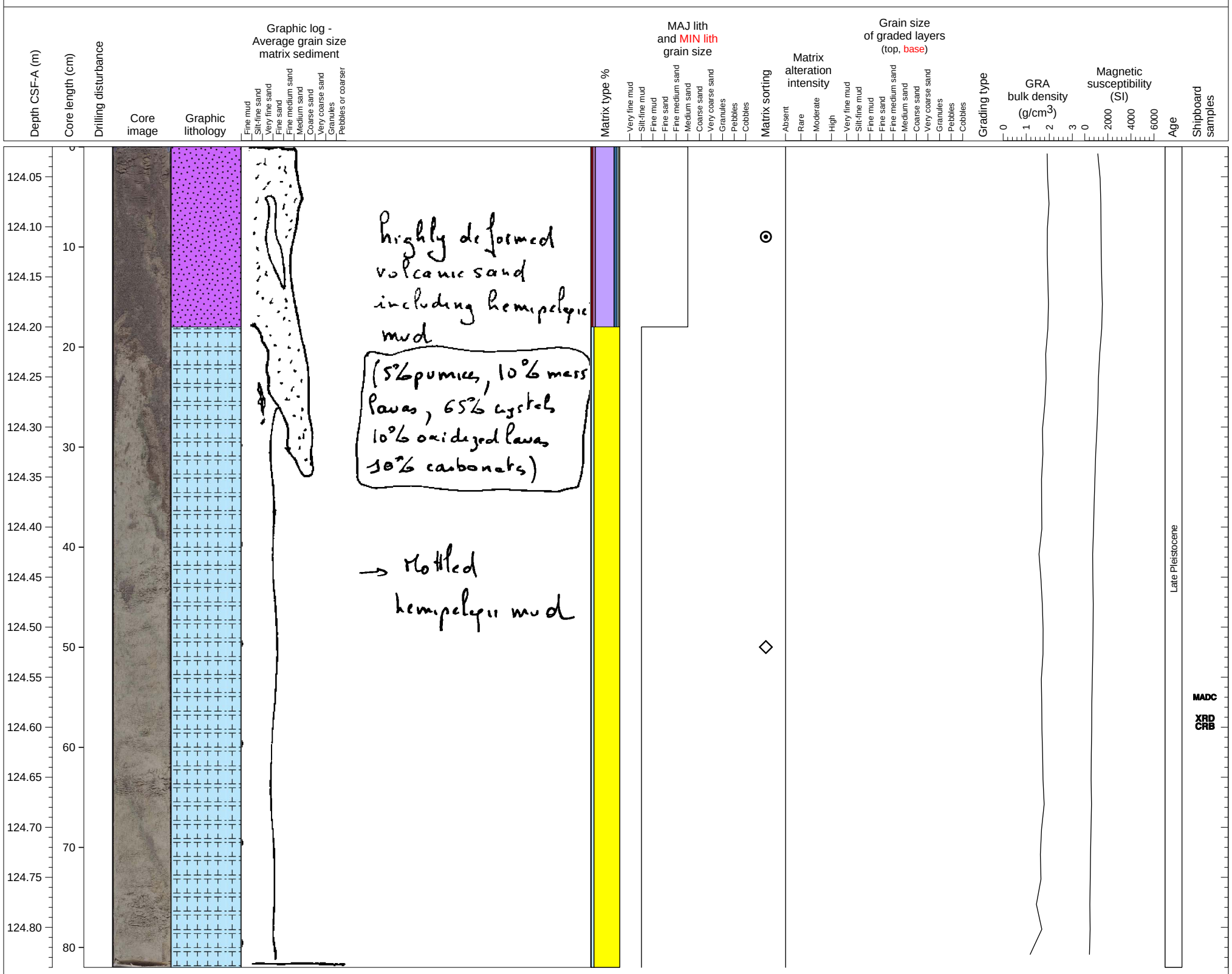
20% mass. lava
80% cystals

tephra layer mixed with mud

Late Pleistocene

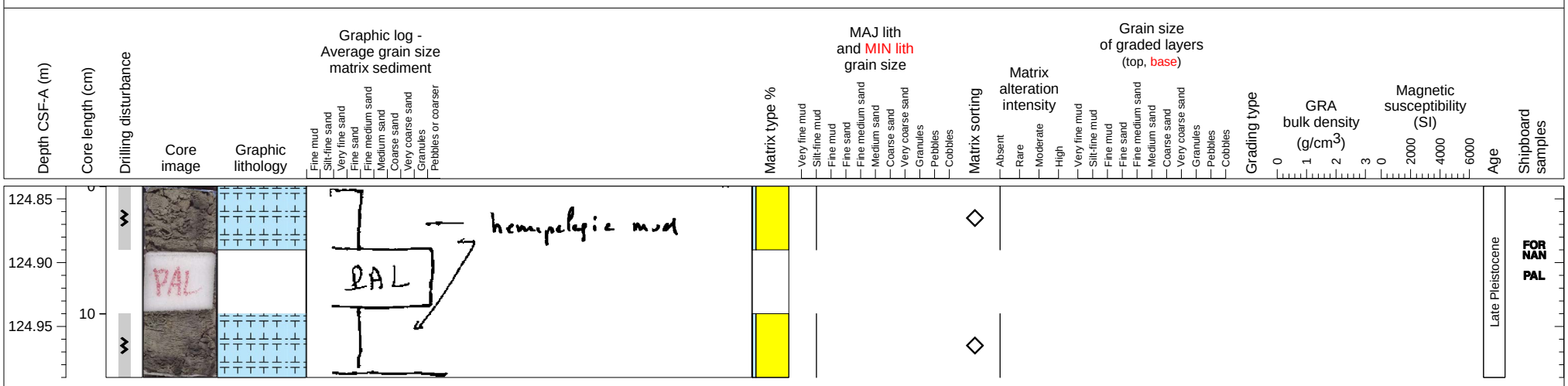
Hole 340-U1400B-18H Section 7, Top of Section: 124.02 CSF-A (m)

Highly deformed intercalation of hemipelagic sediment and volcaniclastic turbidite



Hole 340-U1400B-18H Section CC, Top of Section: 124.84 CSF-A (m)

Hemipelagic sediment in core catcher



Hole 340-U1400B-19H Section 1, Top of Section: 124.7 CSF-A (m)

Hemipelagic sediments interbedded with ash layers. Inclined layers.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

124.75
124.80
124.85
124.90
124.95
125.00
125.05
125.10
125.15
125.20
125.25
125.30
125.35
125.40
125.45
125.50
125.55
125.60
125.65
125.70
125.75
125.80
125.85
125.90
125.95
126.00
126.05
126.10
126.15

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

Highly deformed hemipelagic mud and volcanic layer contacts: 60°

HD

tephra layer

HP

Grey hemipelagic mud

tephra layer

15% pumices,
10% ves. lavas
5% oxidized lavas
2% pyrite
68% crystal

HP

Grey hemipelagic mud

HP

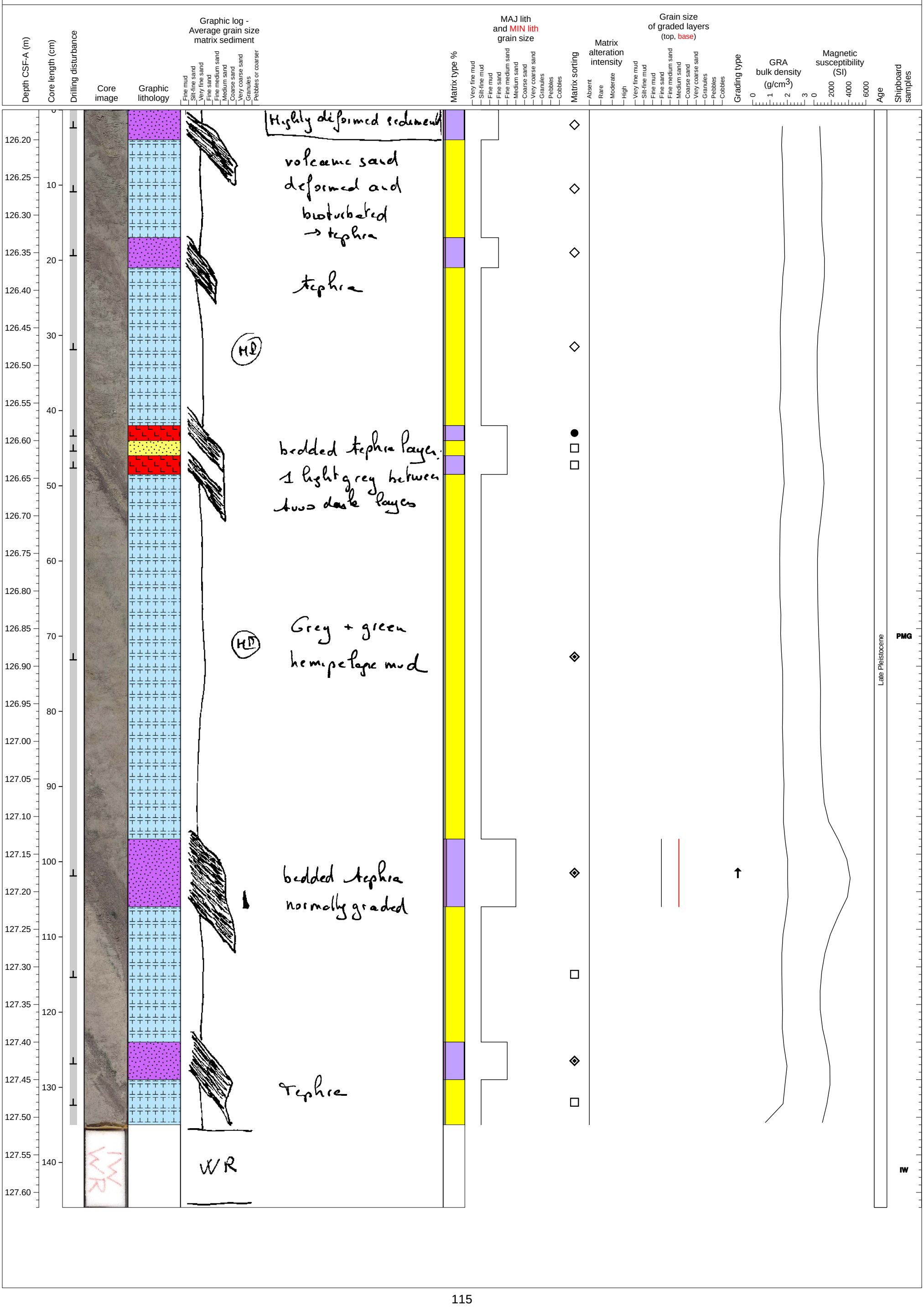
tephra layer

HP

Late Pleistocene

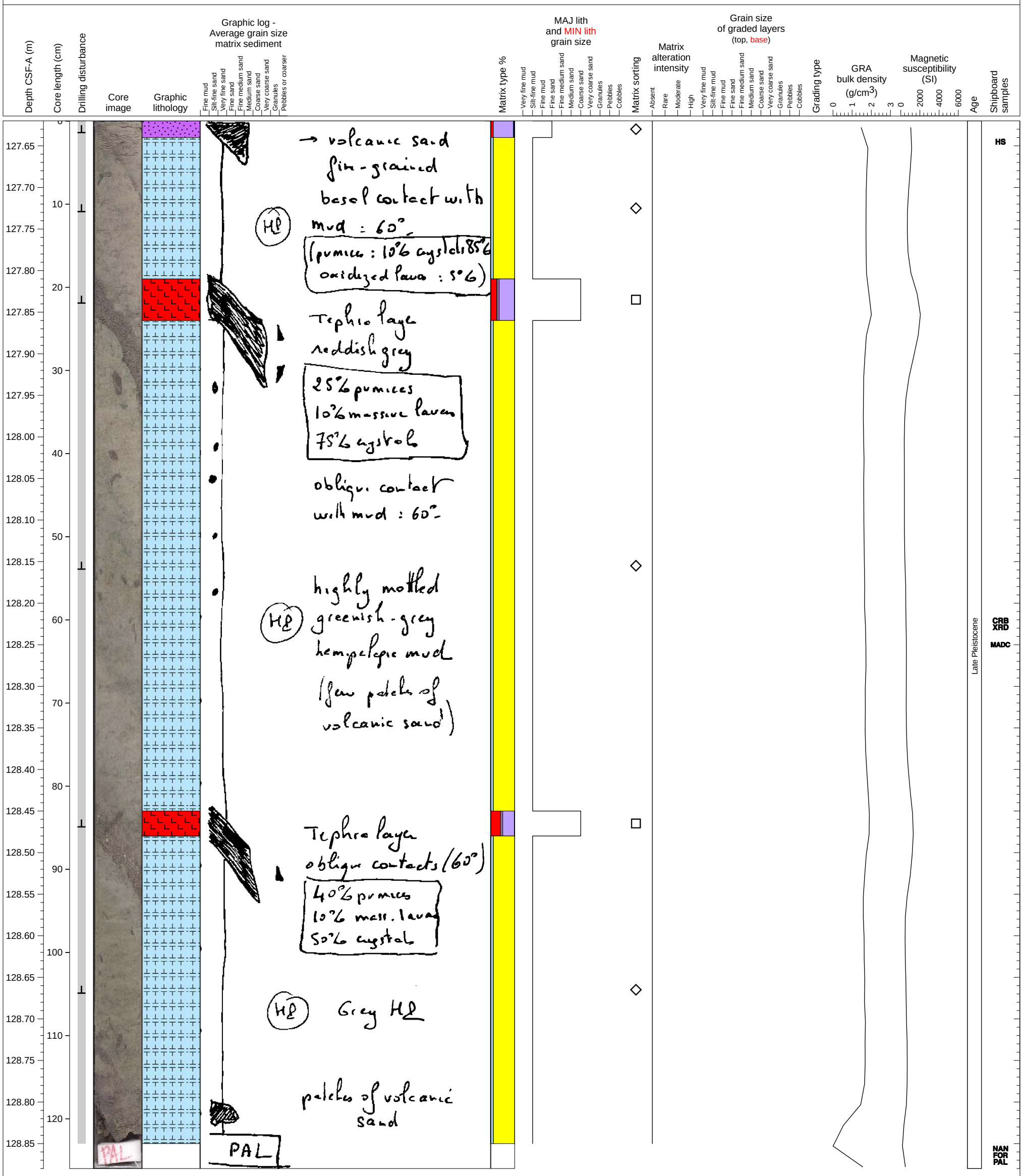
Hole 340-U1400B-19H Section 2, Top of Section: 126.16 CSF-A (m)

Hemipelagic sediments interbedded with thin ash layers.



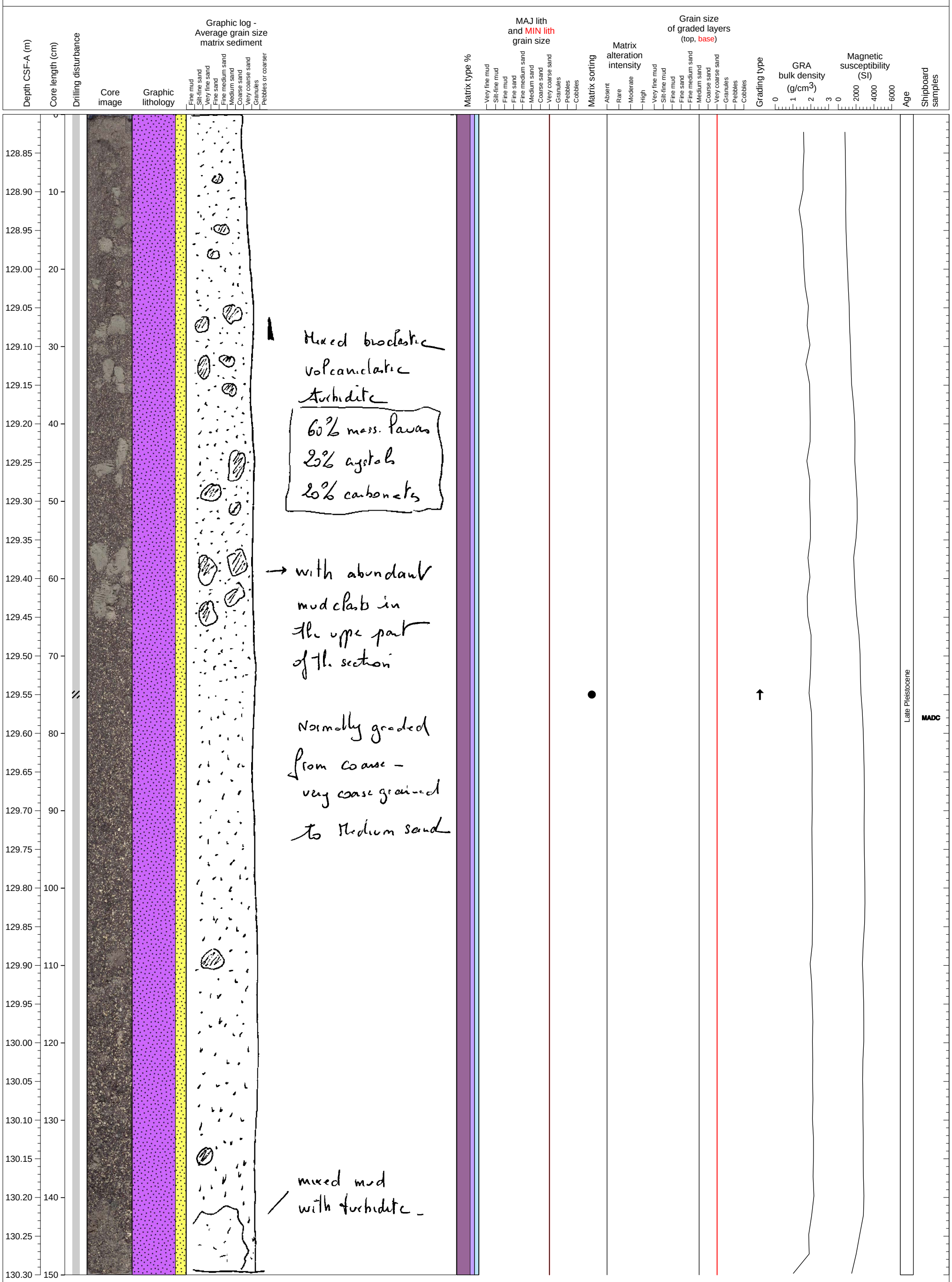
Hole 340-U1400B-19H Section 3, Top of Section: 127.62 CSF-A (m)

Hemipelagic sediment intercalated with volcanic ash layers, inclined



Hole 340-U1400B-20H Section 1, Top of Section: 128.8 CSF-A (m)

Coarse grained mixed turbidite of volcaniclasitic and bioclastic materials



Hole 340-U1400B-20H Section 2, Top of Section: 130.3 CSF-A (m)

Coarse mixed turbidite of volcaniclastic and bioclastic materials intercalated with hemipelagic sediment

Depth CSF-A (m)

Core length (cm)

Drilling disturbance

Core image

Graphic lithology

Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser

Matrix type %

MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles

Matrix sorting

Matrix alteration intensity
Absent
Rare
Moderate
High

Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles

Grading type

GRA bulk density (g/cm^3)
0
1
2
3

Magnetic susceptibility (SI)
0
2000
4000
6000

Age

Shipboard samples

130.35 – 0
130.40 – 10
130.45 – 20
130.50 – 30
130.55 – 40
130.60 – 50
130.65 – 60
130.70 – 70
130.75 – 80
130.80 – 90
130.85 – 100
130.90 – 110
130.95 – 120
131.00 – 130
131.05 – 140
131.10 – 150
131.15
131.20
131.25
131.30
131.35
131.40
131.45
131.50
131.55
131.60
131.65
131.70
131.75
131.80

Mixed mud and turbidite

– mud injected in the turbidite?

Tephra layer

Deformed hemipelagic mud

inclination of the layers and the limit between different zones at the opposite of the precedent cores

Late Pleistocene

PMG

Hole 340-U1400B-20H Section 3, Top of Section: 131.81 CSF-A (m)

Hemipelagic sediments interbedded with ash layers. Inclined layers.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
Magnetic susceptibility (SI)
Age
Shipboard samples

131.85 – 0
131.90 – 10
131.95
132.00 – 20
132.05
132.10 – 30
132.15
132.20 – 40
132.25
132.30 – 50
132.35
132.40 – 60
132.45
132.50 – 70
132.55
132.60 – 80
132.65
132.70 – 90
132.75
132.80 – 100
132.85
132.90 – 110
132.95
133.00 – 120
133.05
133.10 – 130
133.15
133.20 – 140
133.25
133.30 – 150

Dark grey hemipelagic mud
tephra layer
Mottled grey-green hemipelagic mud
tephra layer
the top is mixed with the mud
90% crystals 10% carb.
tephra layer
limit of the top not clean, mixed with sediment
tephra layer
Highly deformed sediment and tephra layer tilted at the opposite of core 191
WR
Late Pleistocene
IW

Hole 340-U1400B-20H Section 4, Top of Section: 133.31 CSF-A (m)

Hemipelagic fine sediments with lots of thin ashfall layers. Moderately to heavily bioturbated.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

133.35
133.40
133.45
133.50
133.55
133.60
133.65
133.70
133.75
133.80
133.85
133.90
133.95
134.00
134.05
134.10
134.15
134.20
134.25
134.30
134.35
134.40
134.45
134.50
134.55
134.60
134.65
134.70
134.75
134.80

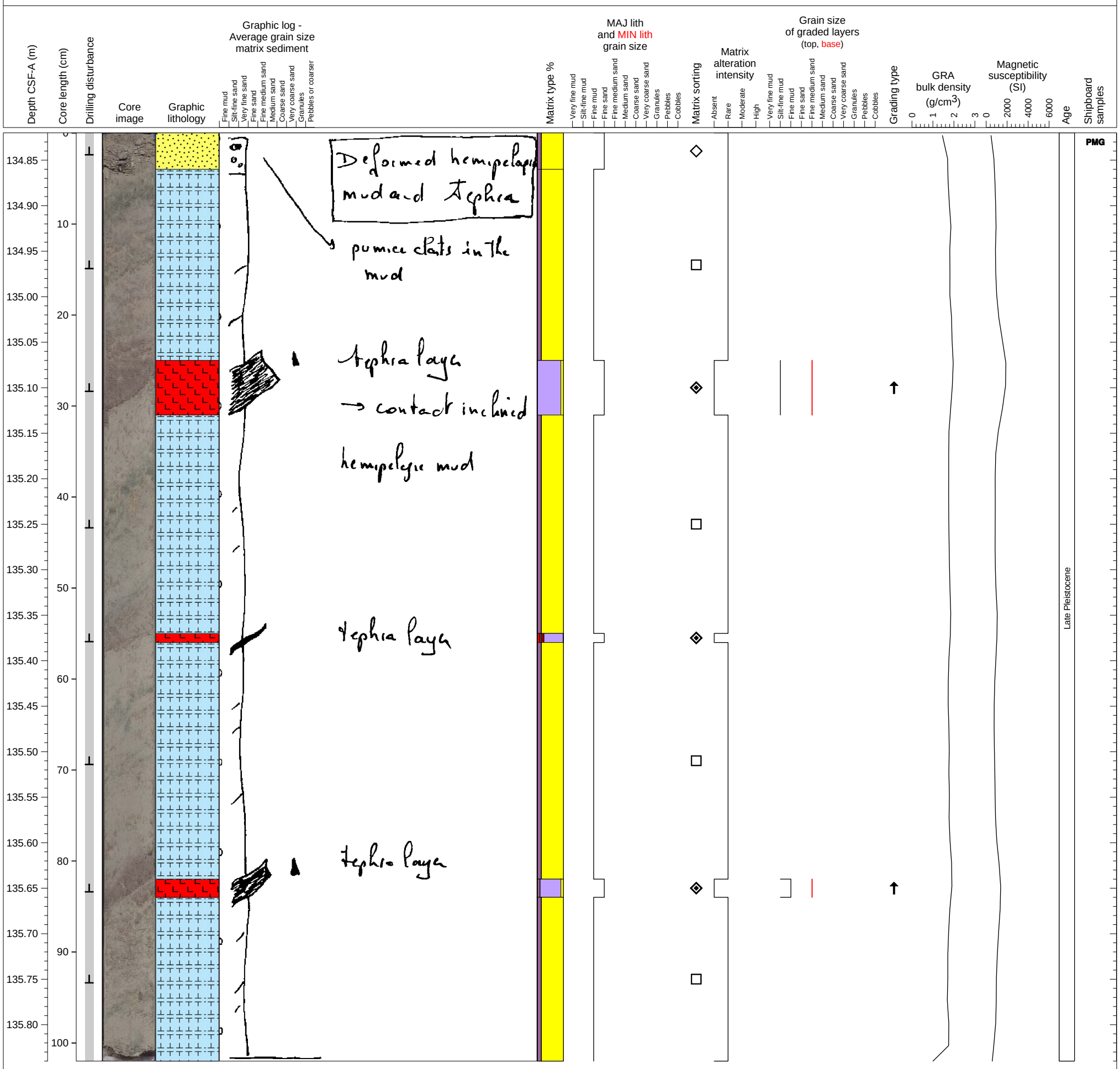
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

tephra mixed with mud
(5% scoria, 10% lavas
60% crystals, 25% matrix)
tephra layer
hemipelagic mud
Succession of tephra layers
tephra layers
tephra layers
10% mass. lavas
60% crystals
10% det. carbonate
5% mtc carb.
Greenish grey hemipelagic mud
Deformed hemi-pelagic mud and tephra tilted at 40° (opposite direction by preceding tephra layer) cor

HS
Late Pleistocene
CRB
MADC

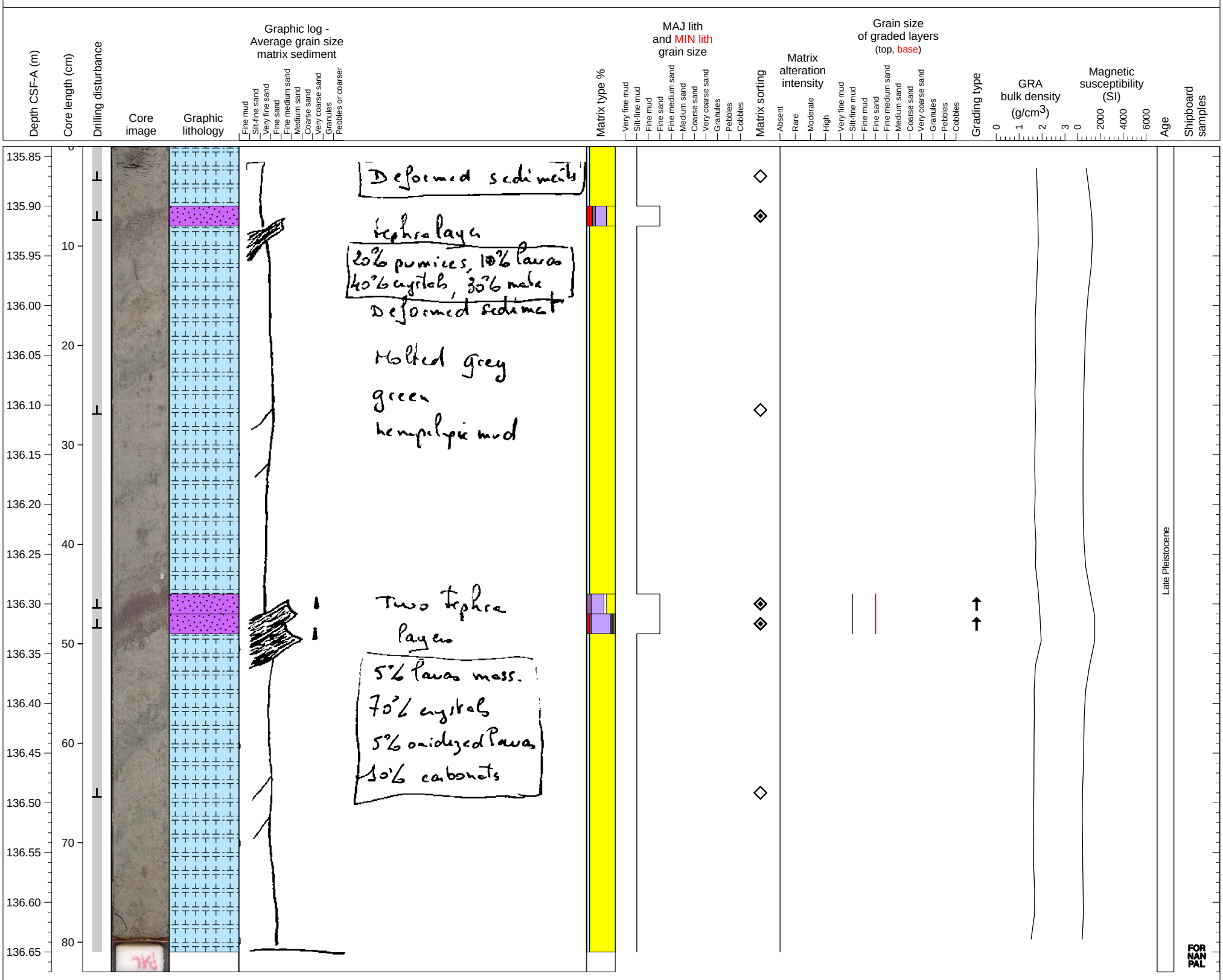
Hole 340-U1400B-20H Section 5, Top of Section: 134.82 CSF-A (m)

Hemipelagic sediments interbedded with ash layers. Inclined layers.



Hole 340-U1400B-20H Section 6, Top of Section: 135.84 CSF-A (m)

Hemipelagic sediment with intercalated volcanic ash? layers



Hole 340-U1400B-21H Section 1, Top of Section: 136.6 CSF-A (m)

Deformed hemipelagic clay interlayered with thin tephra layers.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

136.65
136.70
136.75
136.80
136.85
136.90
136.95
137.00
137.05
137.10
137.15
137.20
137.25
137.30
137.35
137.40
137.45
137.50
137.55
137.60
137.65
137.70
137.75
137.80
137.85
137.90
137.95
138.00
138.05

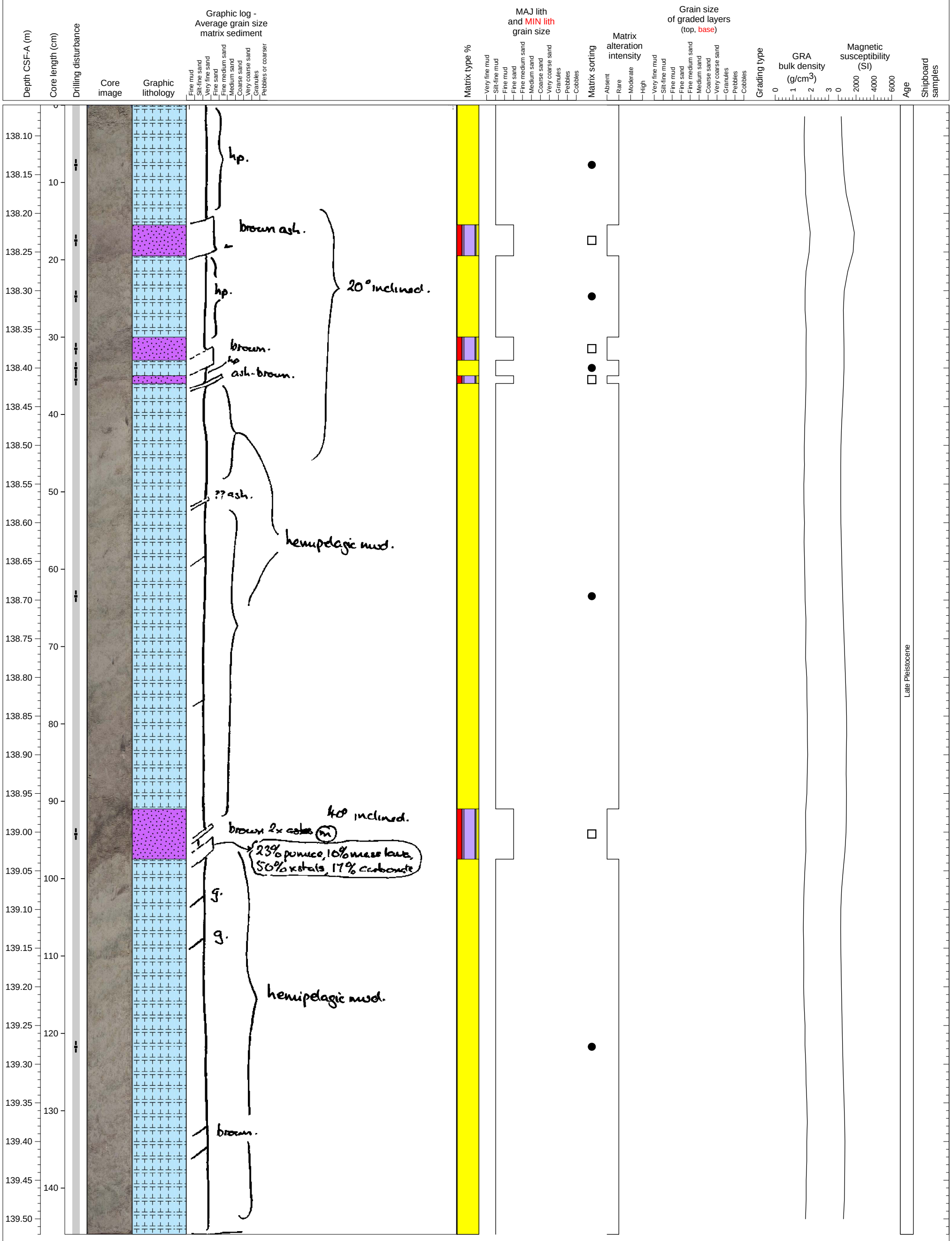
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

deformed hp
hemipelagic mud.
30% pumice, 1% mass lava, 5% xtals, 11% carbonate
brown ash. 40° inclined.
hemipelagic mud.
NB inclinations vary.
3x brown ashes inclined ~20°
hp
?fault.
8% xtals, 11% carbonate
black ash. inclined 40°
hemipelagic mud.

Late Pleistocene
CRB
MADC

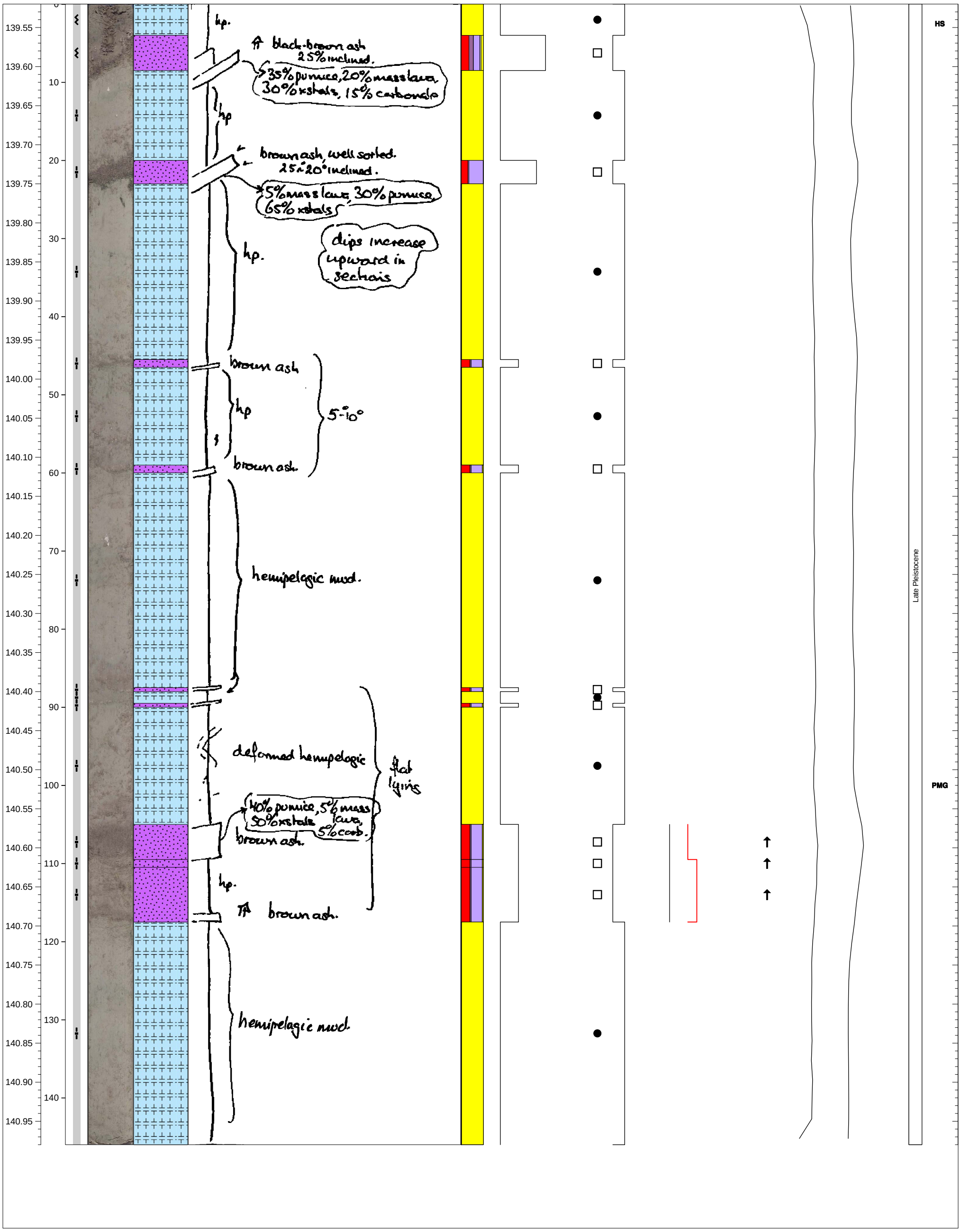
Hole 340-U1400B-21H Section 2, Top of Section: 138.06 CSF-A (m)

Hemipelagic clay interlayered with thin volcaniclastic sand layers.



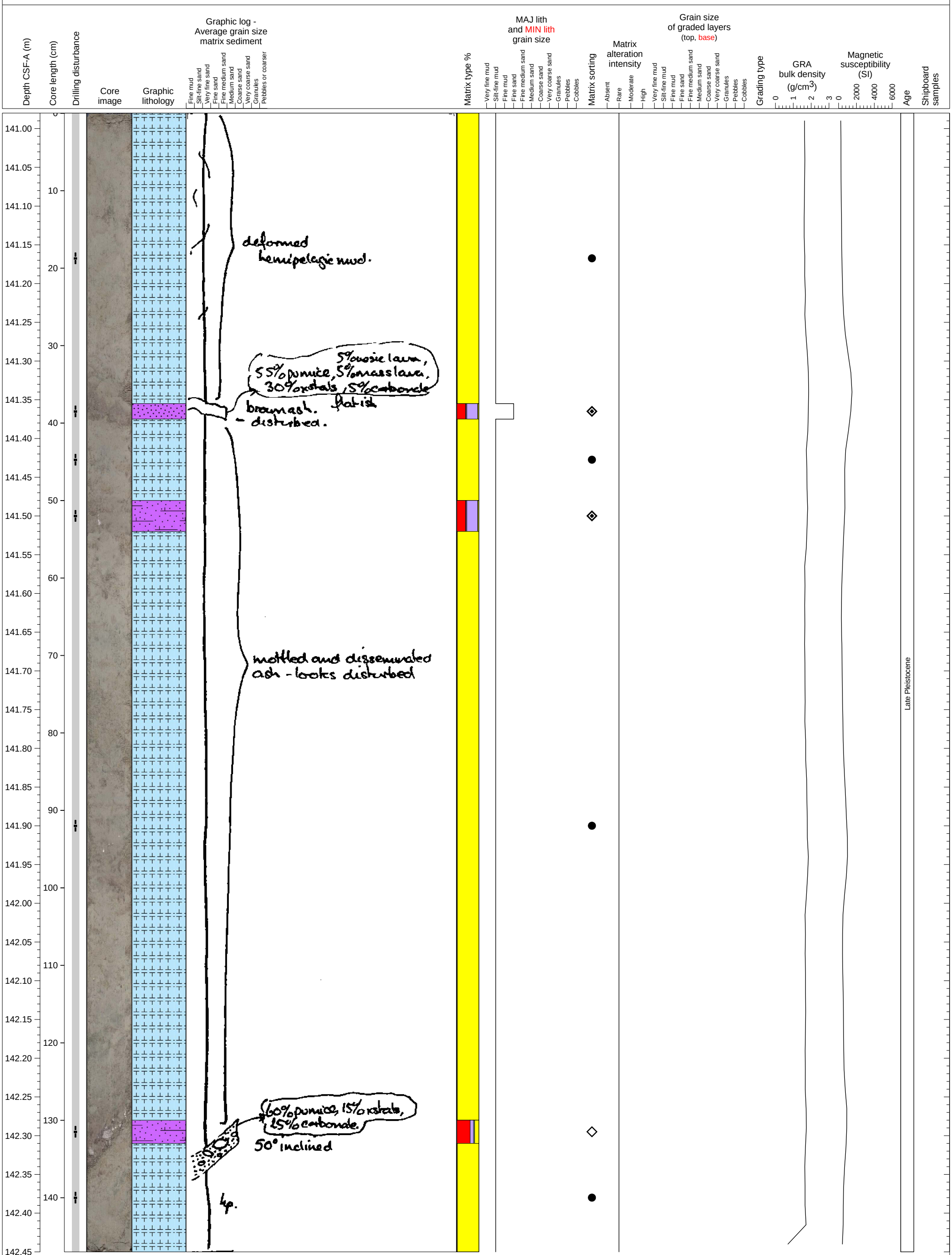
Hole 340-U1400B-21H Section 3, Top of Section: 139.52 CSF-A (m)

Hemipelagic clay interlayered with thin multiple tephra layers.



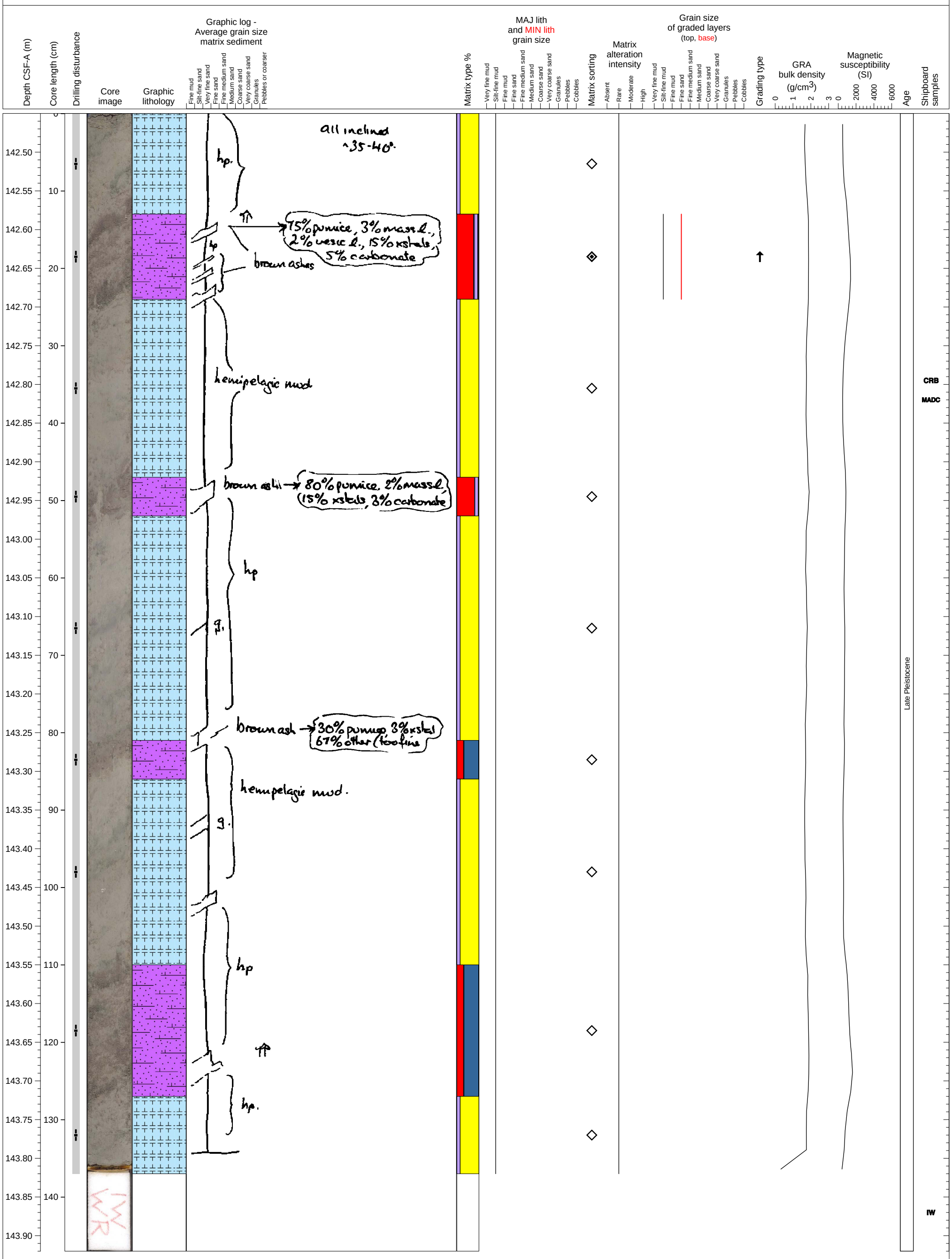
Hole 340-U1400B-21H Section 4, Top of Section: 140.98 CSF-A (m)

Deformed hemipelagic clay interlayered with volcaniclastic sand and mud units.



Hole 340-U1400B-21H Section 5, Top of Section: 142.45 CSF-A (m)

Deformed hemipelagic clay interlayered with volcaniclastic units. All contacts are inclined.



Hole 340-U1400B-21H Section 6, Top of Section: 143.92 CSF-A (m)

Deformed hemipelagic clay interlayered with volcaniclastic units. All contacts are inclined.

Depth CSF-A (m)

Core length (cm)

Drilling disturbance

Core image

Graphic lithology

Graphic log - Average grain size matrix sediment
Fine mud | Silt-fine sand | Very fine sand | Fine sand | Fine medium sand | Medium sand | Coarse sand | Very coarse sand | Granules | Pebbles or coarser

Matrix type %

MAJ lith and MIN lith grain size
Very fine mud | Silt-fine mud | Fine mud | Fine sand | Fine medium sand | Medium sand | Coarse sand | Very coarse sand | Granules | Pebbles | Cobbles

Matrix sorting

Matrix alteration intensity
Absent | Rare | Moderate | High

Grain size of graded layers (top, base)
Very fine mud | Silt-fine mud | Fine mud | Fine sand | Fine medium sand | Medium sand | Coarse sand | Very coarse sand | Granules | Pebbles | Cobbles

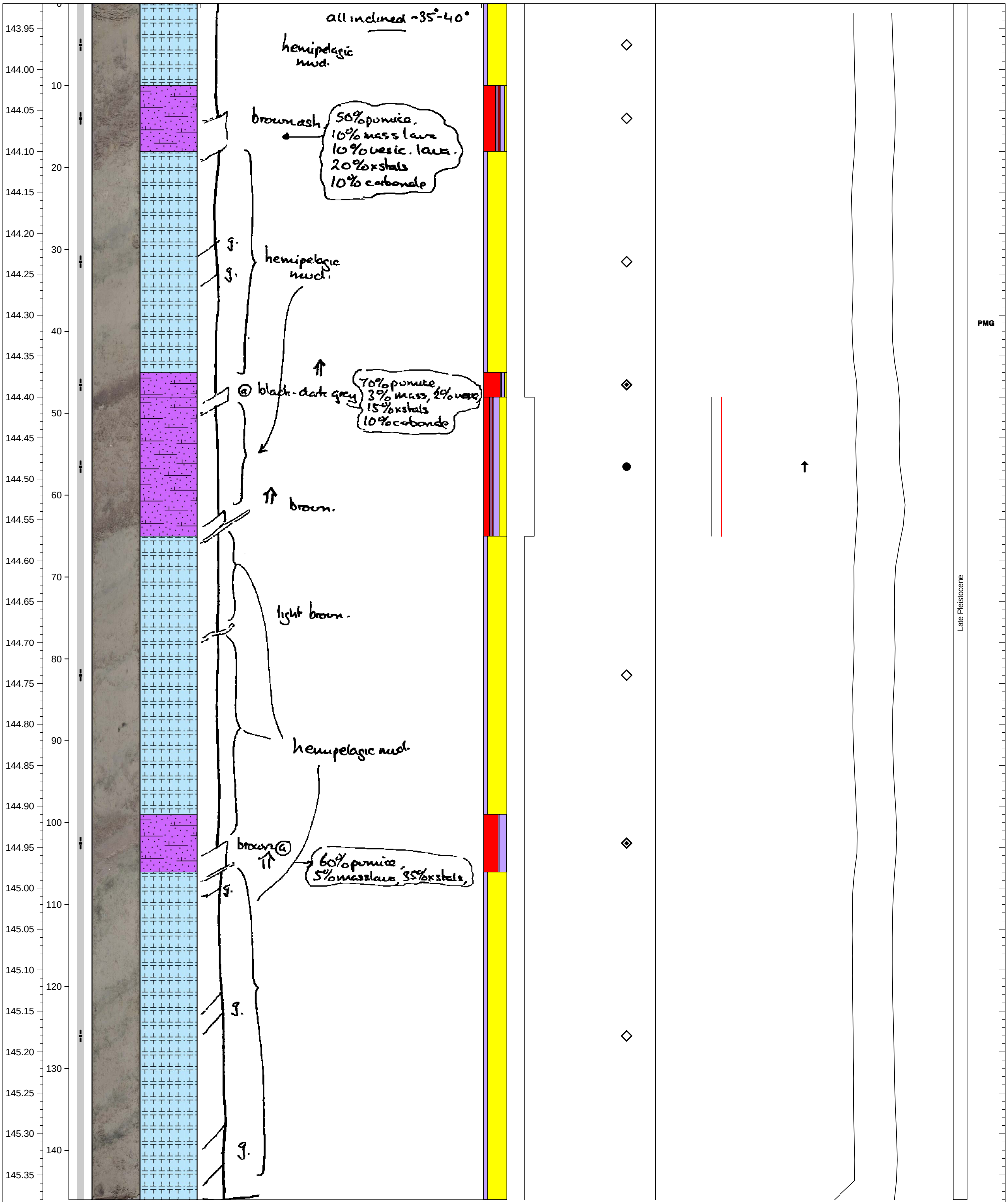
Grading type

GRA bulk density (g/cm^3)
0 | 1 | 2 | 3

Magnetic susceptibility (SI)
0 | 2000 | 4000 | 6000

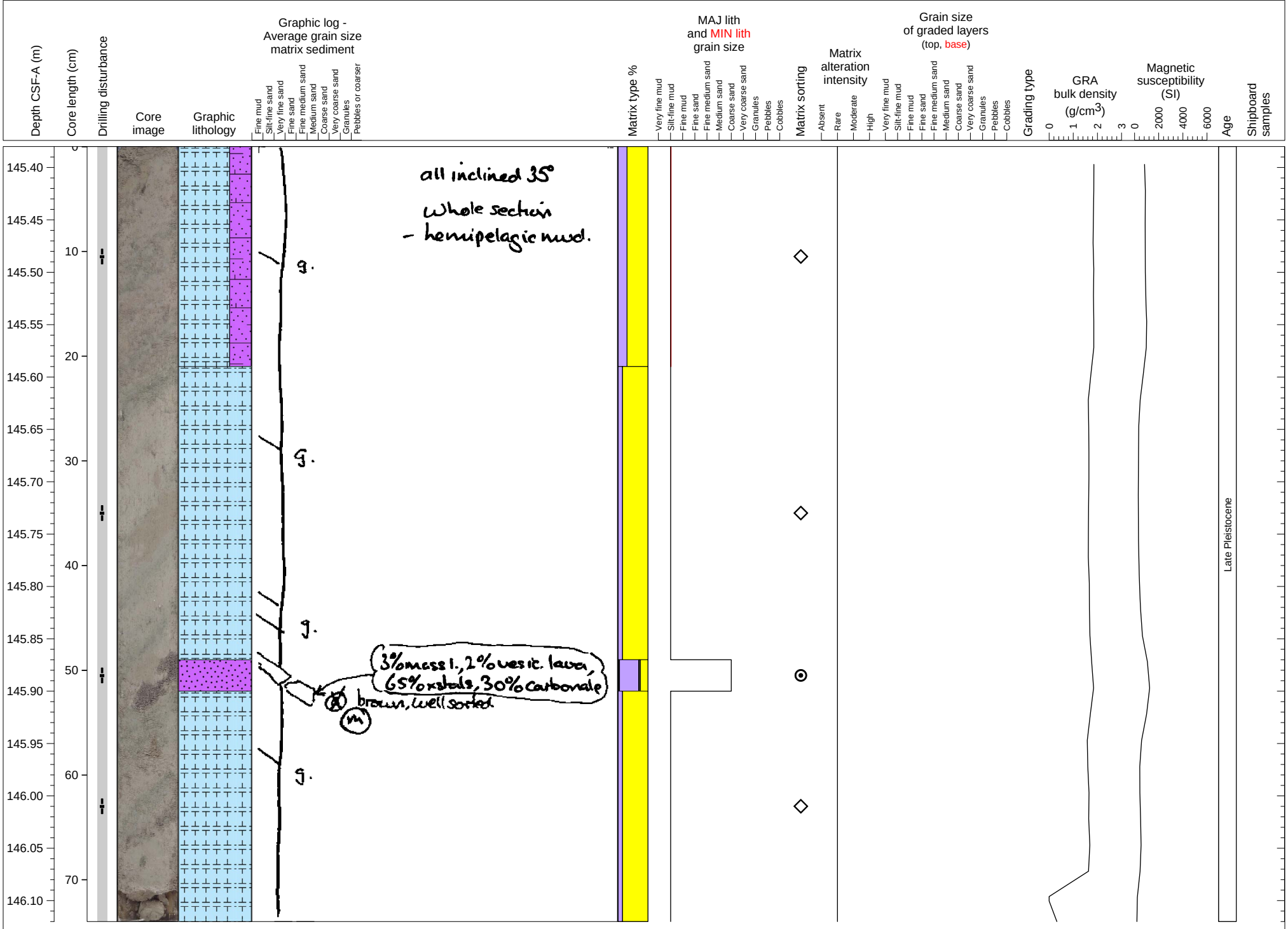
Age

Shipboard samples



Hole 340-U1400B-21H Section 7, Top of Section: 145.38 CSF-A (m)

Hemipelagic clay with coarse volcaniclastic sand layer.

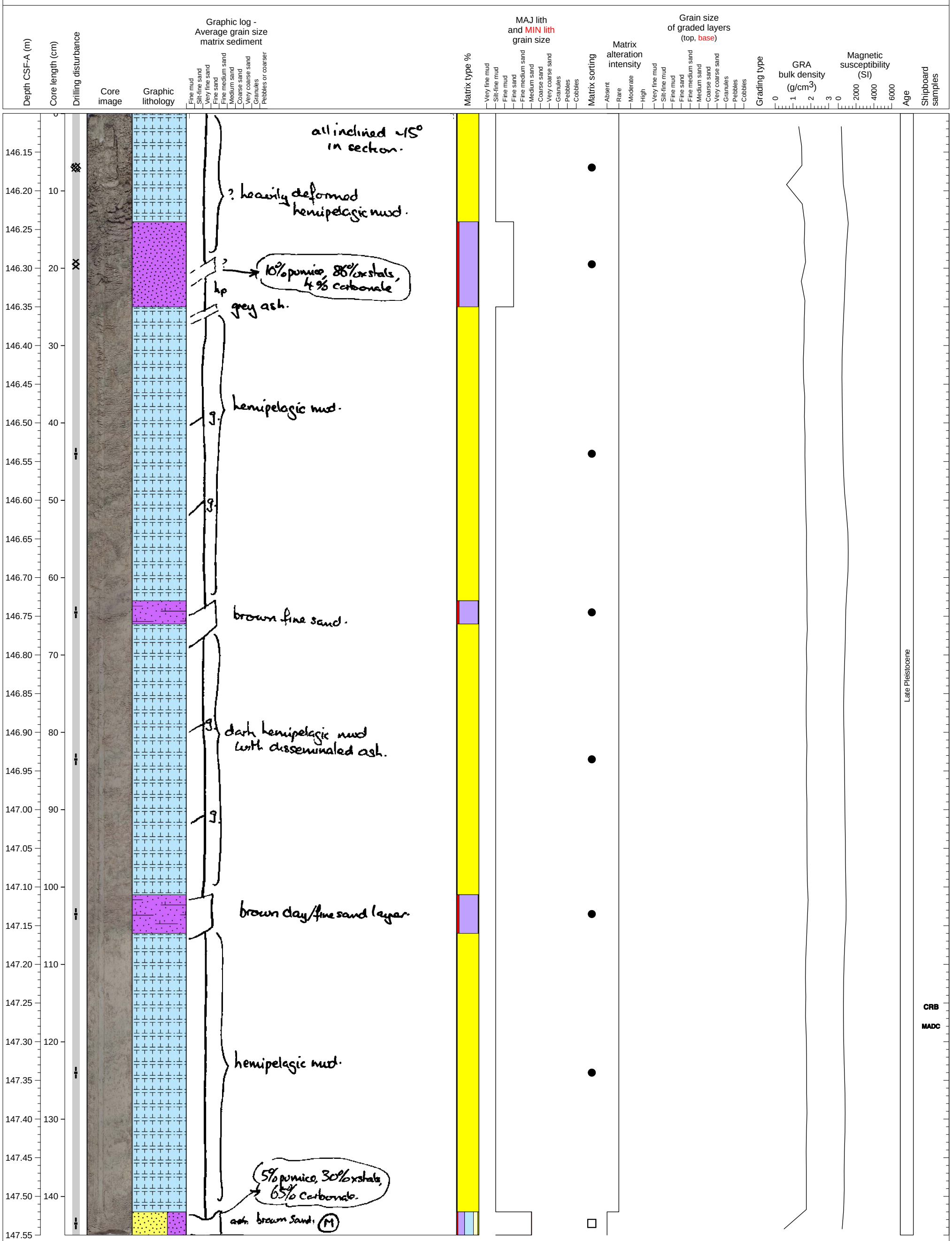


Hole 340-U1400B-21H Section CC, Top of Section: 146.12 CSF-A (m)

Hemipelagic clay. PAL sample from section base.

Hole 340-U1400B-22H Section 1, Top of Section: 146.1 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand units



Hole 340-U1400B-22H Section 2, Top of Section: 147.55 CSF-A (m)

Deformed hemipelagic clay interlayered with tephra layers

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

147.60 0
147.65 10
147.70
147.75 20
147.80
147.85 30
147.90
147.95 40
148.00
148.05 50
148.10
148.15 60
148.20
148.25 70
148.30
148.35 80
148.40
148.45 90
148.50
148.55 100
148.60
148.65 110
148.70
148.75 120
148.80
148.85 130
148.90
148.95 140
149.00

hemipelagic mud
light brown ash.
well sorted, brown.
40% pumice, 10% mass lave, 50% xstals
brown tephra
brown tephra.
60 pumice, 5% mass lave, 28% xstals, 7% carbonate
hemipelagic mud
stalk

Late Pleistocene

Hole 340-U1400B-22H Section 3, Top of Section: 149.01 CSF-A (m)

Deformed hemipelagic clay interlayered with multiple tephra layers.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
MAJ lith and MIN lith grain size
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
Magnetic susceptibility (SI)
Age
Shipboard samples

149.05 149.10 149.15 149.20 149.25 149.30 149.35 149.40 149.45 149.50 149.55 149.60 149.65 149.70 149.75 149.80 149.85 149.90 149.95 150.00 150.05 150.10 150.15 150.20 150.25 150.30 150.35 150.40 150.45

10 20 30 40 50 60 70 80 90 100 110 120 130 140

all inclined 15°

hemipelagic mud

black tephra.
40% pumice, 5% mass lava, 50% xstal, 5% carbonate

mottled hemipelagic mud

brown ash.
43% pumice, 2% mass lava, (50% xstals, 5% carbonate

hemipelagic mud

disseminated lighter brown ash

brown ash.

35% pumice, 5% mass lava, 50% xstals. 10% carbonate.
- pl, hb, mt, pyrite, px.

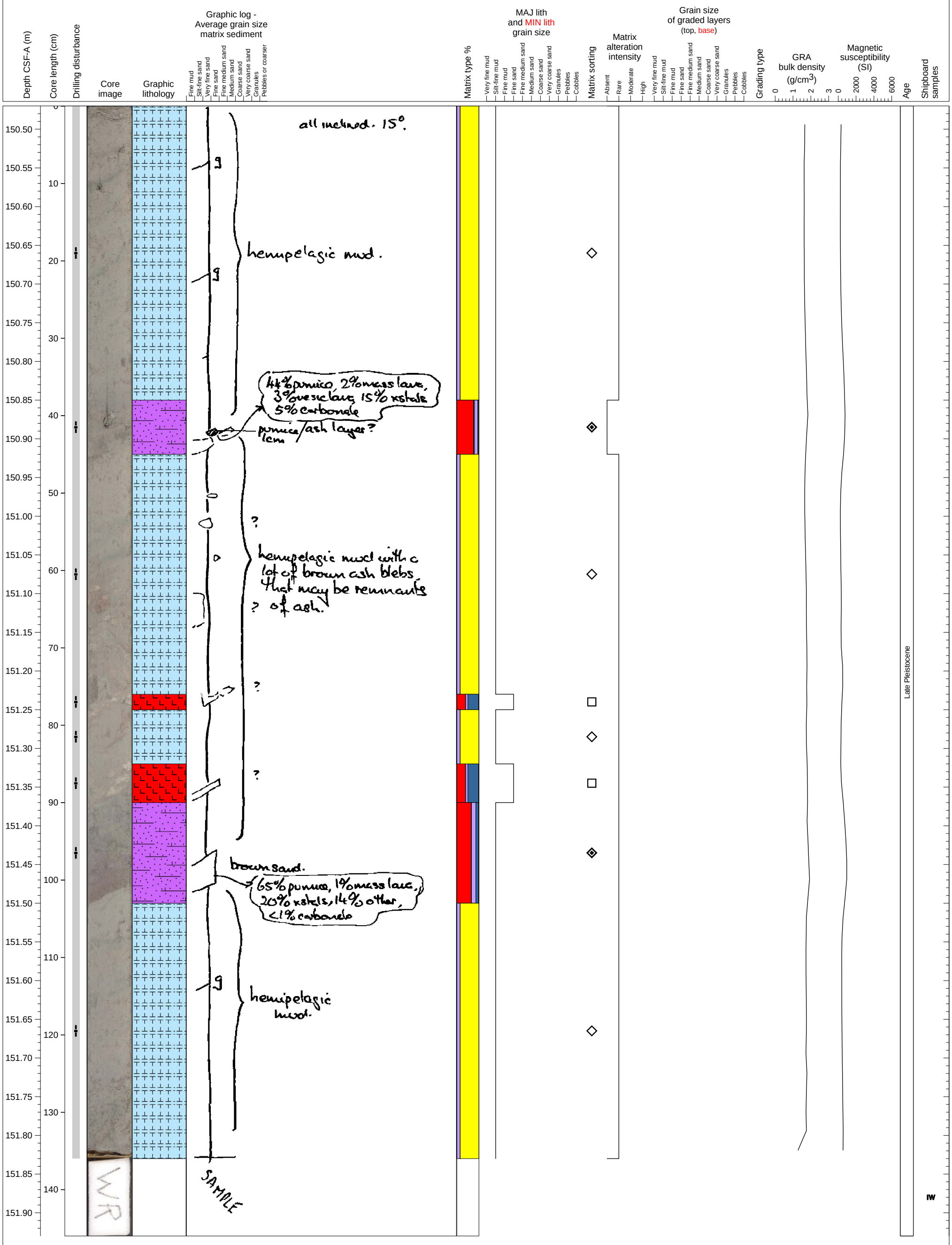
hemipelagic mud.

HS

Late Pleistocene

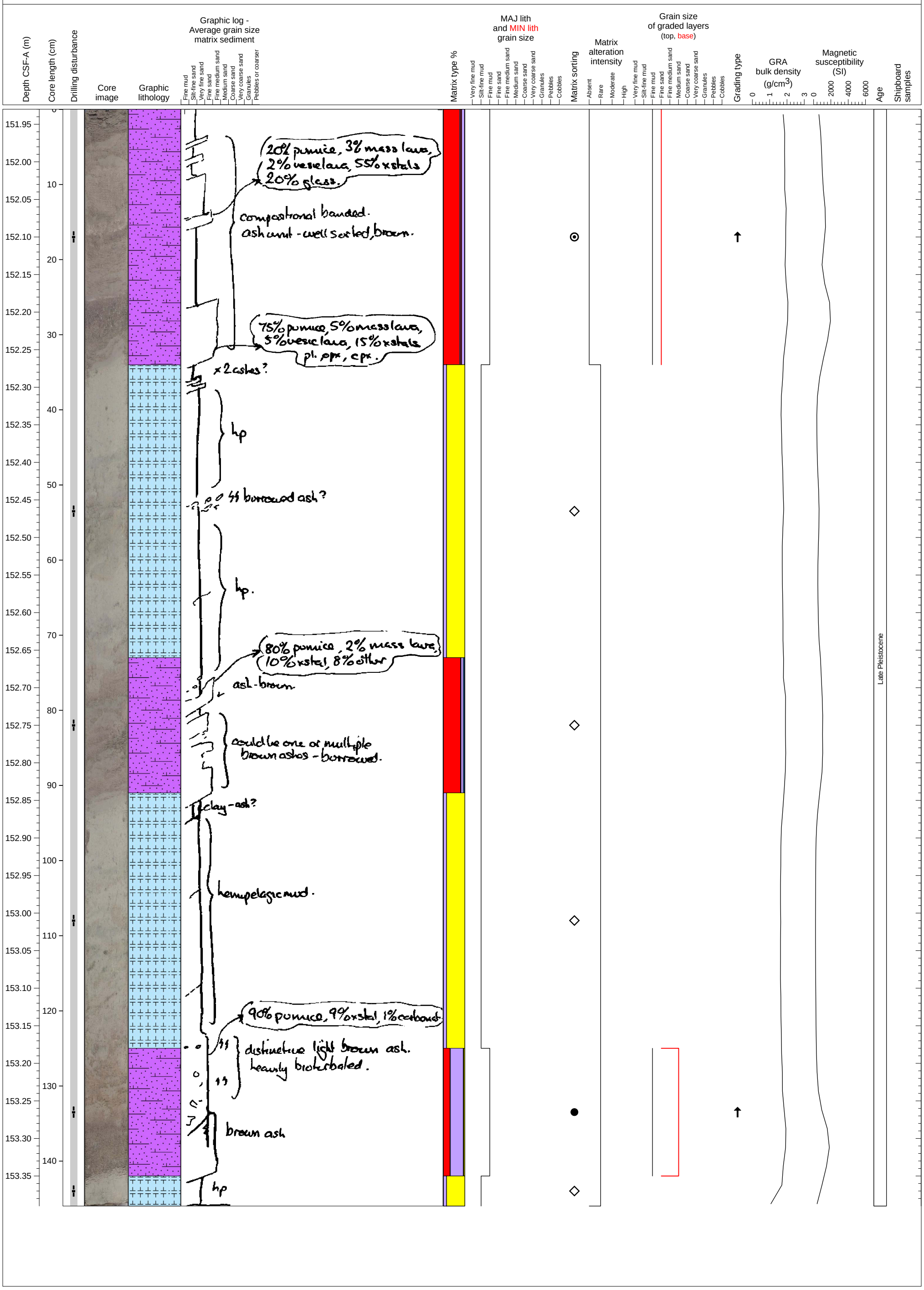
Hole 340-U1400B-22H Section 4, Top of Section: 150.47 CSF-A (m)

Deformed hemipelagic clay interlayered with volcaniclastic units. Several ash layers present. All contacts are inclined.



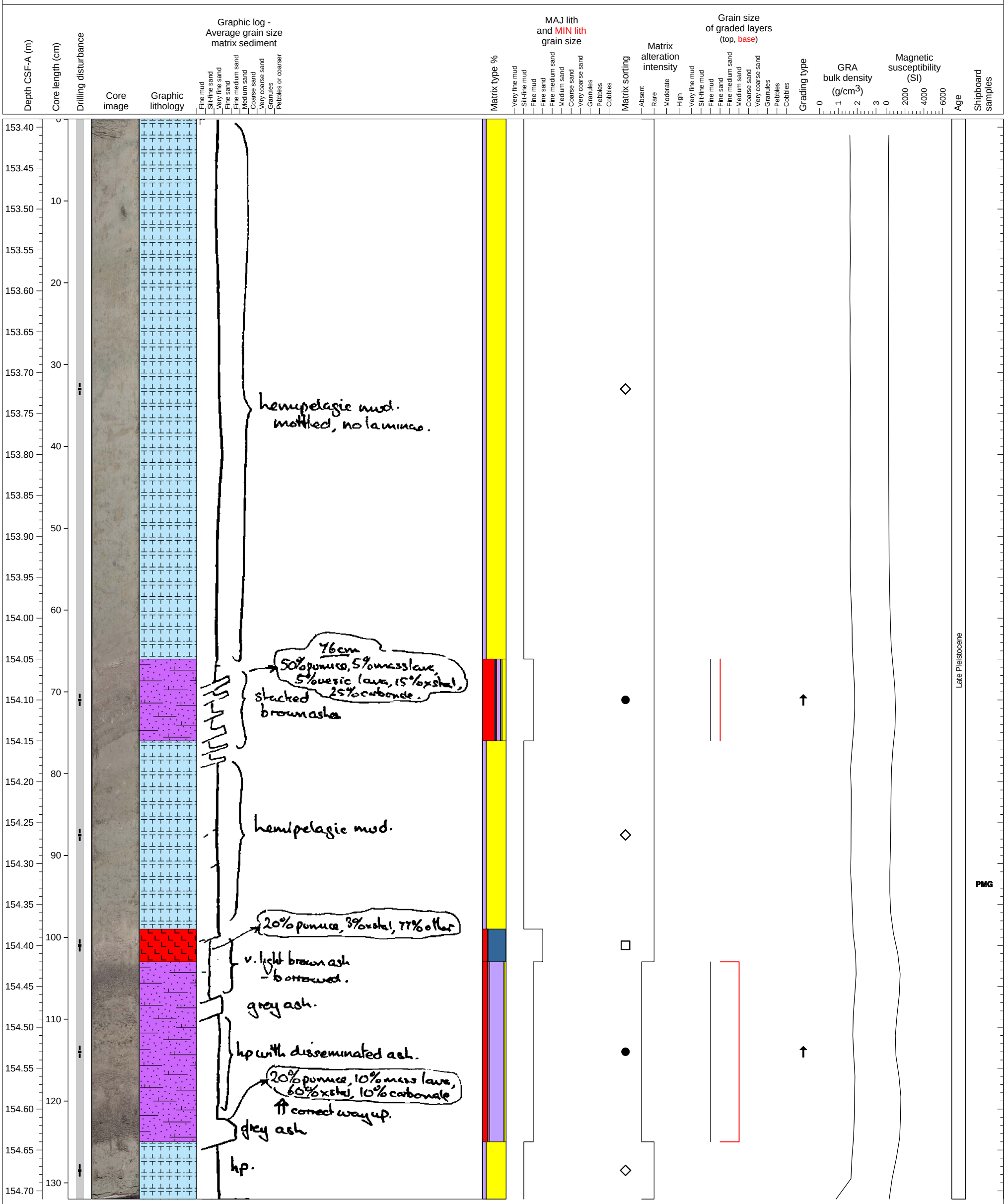
Hole 340-U1400B-22H Section 5, Top of Section: 151.93 CSF-A (m)

Deformed hemipelagic clay interlayered with abundant volcaniclastic units. Several ash layers present. All contacts are inclined.



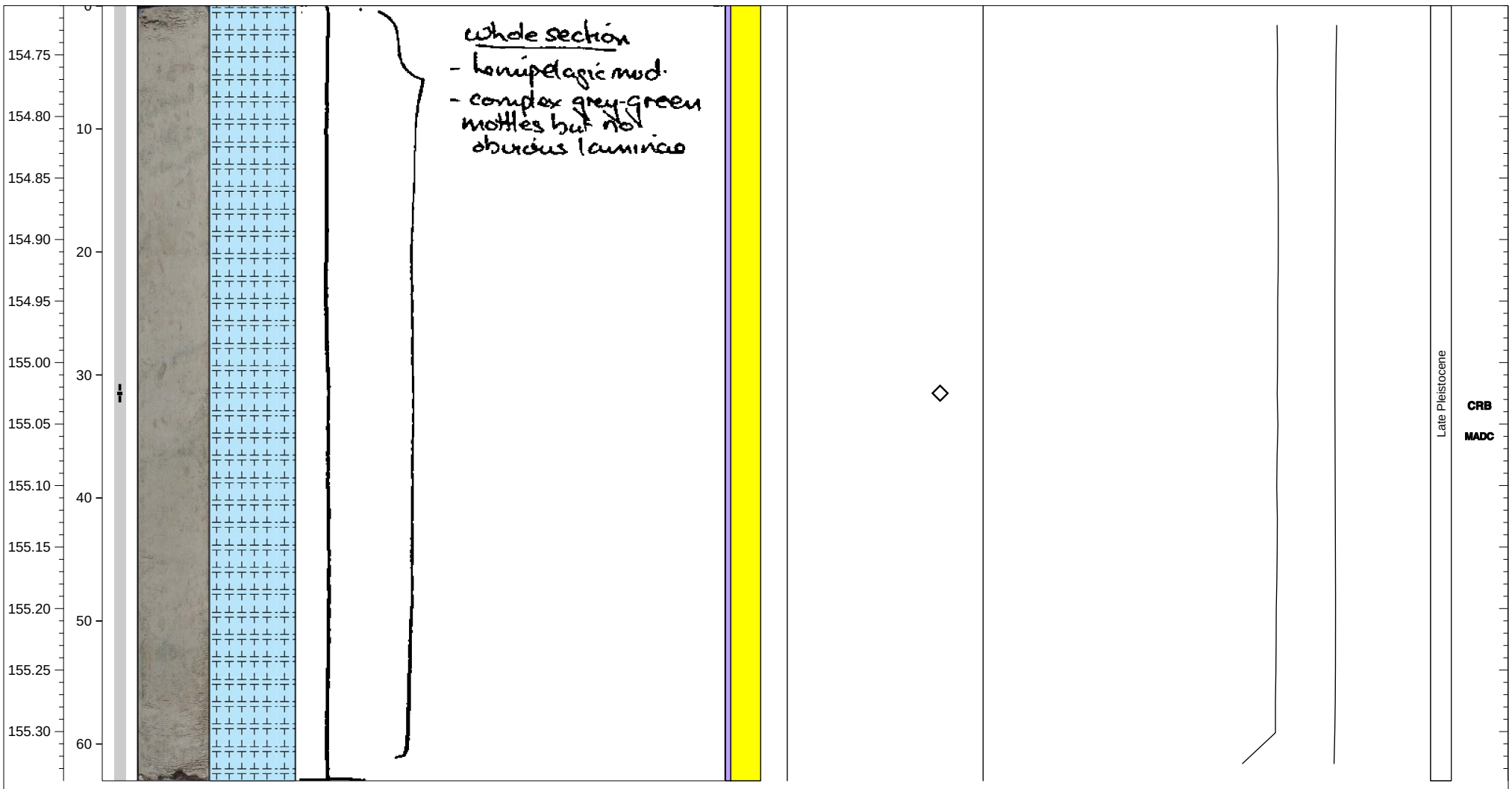
Hole 340-U1400B-22H Section 6, Top of Section: 153.39 CSF-A (m)

Deformed hemipelagic clay interlayered with volcaniclastic units. Several thin ash layers present.



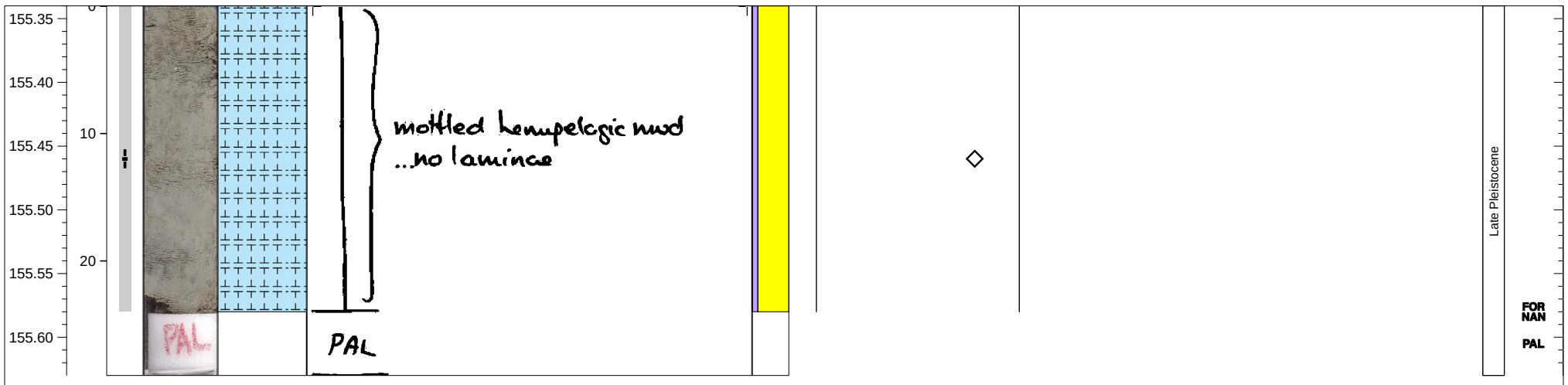
Hole 340-U1400B-22H Section 7, Top of Section: 154.71 CSF-A (m)

Hemipelagic clay.



Hole 340-U1400B-22H Section CC, Top of Section: 155.34 CSF-A (m)

Hemipelagic clay. PAL sample from section base.



Hole 340-U1400B-23H Section 1, Top of Section: 155.6 CSF-A (m)

All hemipelagic clay

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
Magnetic susceptibility (SI)
Age
Shipboard samples

155.60
155.65
155.70
155.75
155.80
155.85
155.90
155.95
156.00
156.05
156.10
156.15
156.20
156.25
156.30
156.35
156.40
156.45
156.50
156.55
156.60
156.65
156.70
156.75
156.80
156.85
156.90
156.95
157.00
157.05

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

whole section
hemipelagic mud.
(only section 1 – is starting to develop drilling biscuits...
– o inclined ~30°

Late Pleistocene

Hole 340-U1400B-23H Section 2, Top of Section: 157.06 CSF-A (m)

Hemipelagic clay interlayered with multiple tephra layers. In the middle of this section coarse pumiceous unit is present.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
Magnetic susceptibility (SI)
Age
Shipboard samples

fall inclined at ~30°
hemipelagic mud. - some drilling biscuits
40% pumice, 5% mess lava, brown sand. → 51% xtals, 4% carbonate
hp
brown sand.
hp.
33% pumice, 5% mess lava, 50% xtals, 12% carbonate.
hemipelagic mud.
50% pumice, 10% mess lava, 37% xtals, 3% carbonate
→ Immiscible/pumice granules
hemipelagic mud.
g.
40% pumice, 10% mess lava, 38% xtals, 12% carbonate.
black, sand. - with fine shell fragments
hemipelagic mud.

Late Pleistocene
CRB
MADC

Hole 340-U1400B-23H Section 3, Top of Section: 158.52 CSF-A (m)

All hemipelagic clay

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

158.55
158.60
158.65
158.70
158.75
158.80
158.85
158.90
158.95
159.00
159.05
159.10
159.15
159.20
159.25
159.30
159.35
159.40
159.45
159.50
159.55
159.60
159.65
159.70
159.75
159.80
159.85
159.90
159.95

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

small fault - offset uncertain

Whole section

hemipelagic mud with mottles and faint green laminae - green laminae with flat (grey

..as above

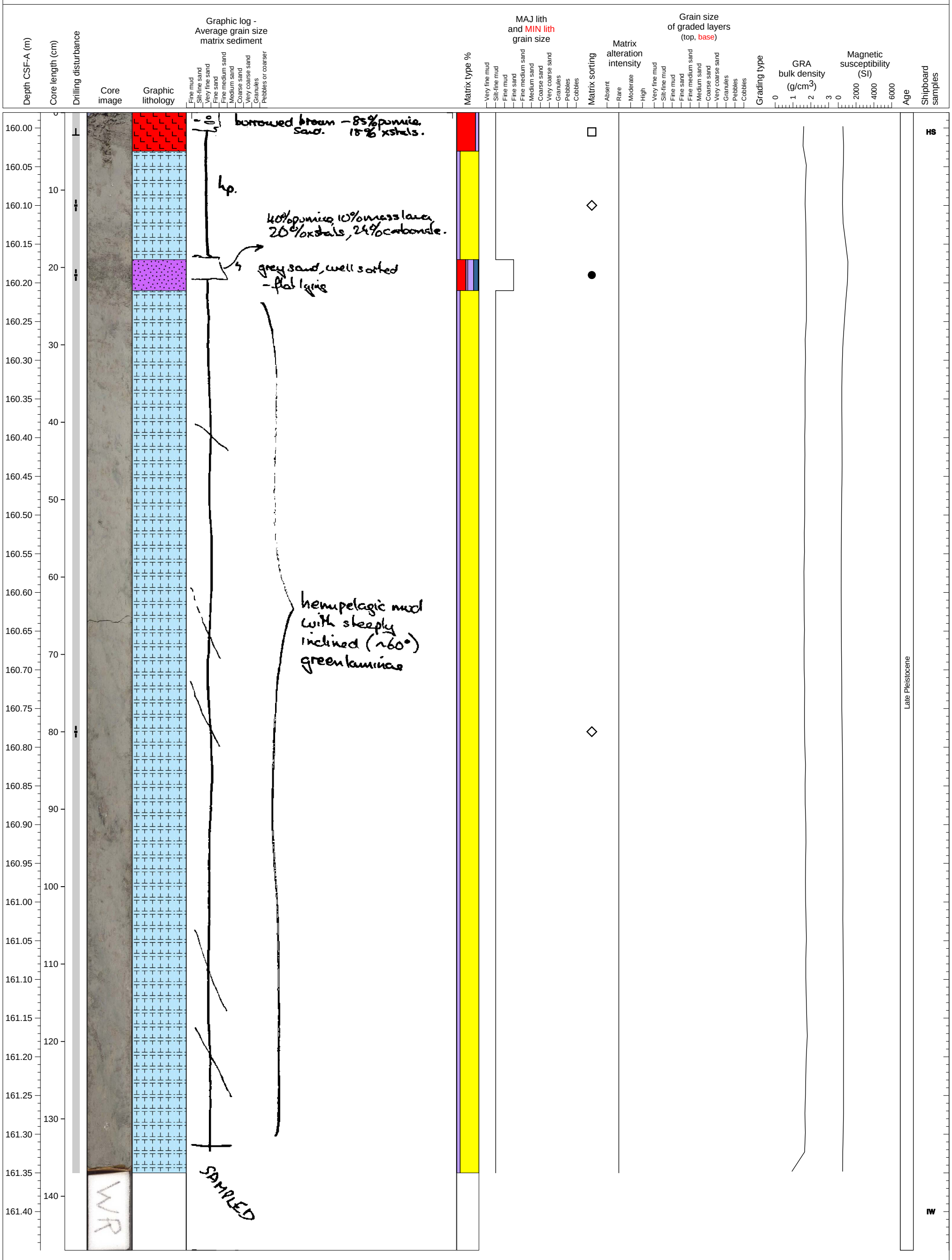
g. ?flat..

..as above.

Late Pleistocene

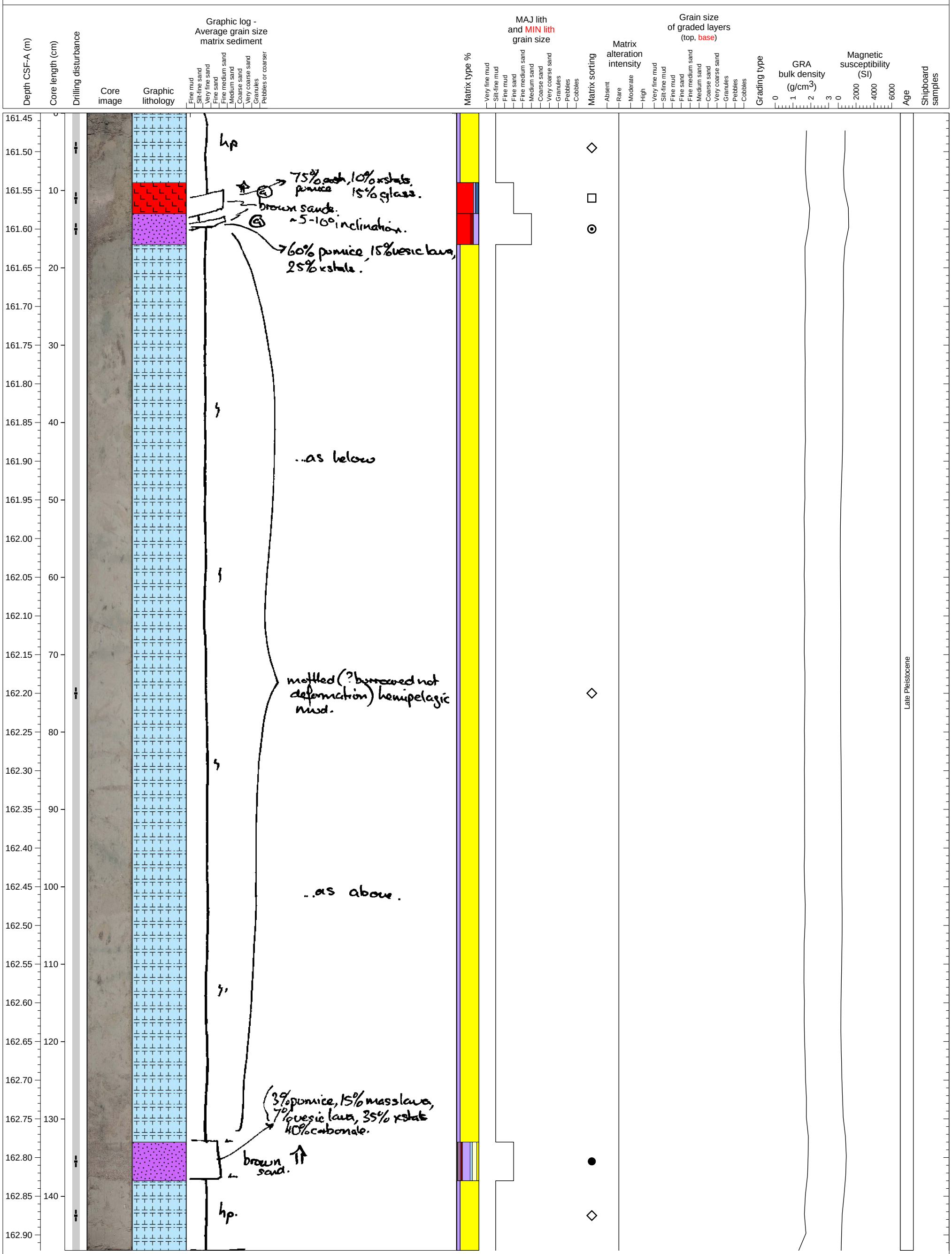
Hole 340-U1400B-23H Section 4, Top of Section: 159.98 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic units.



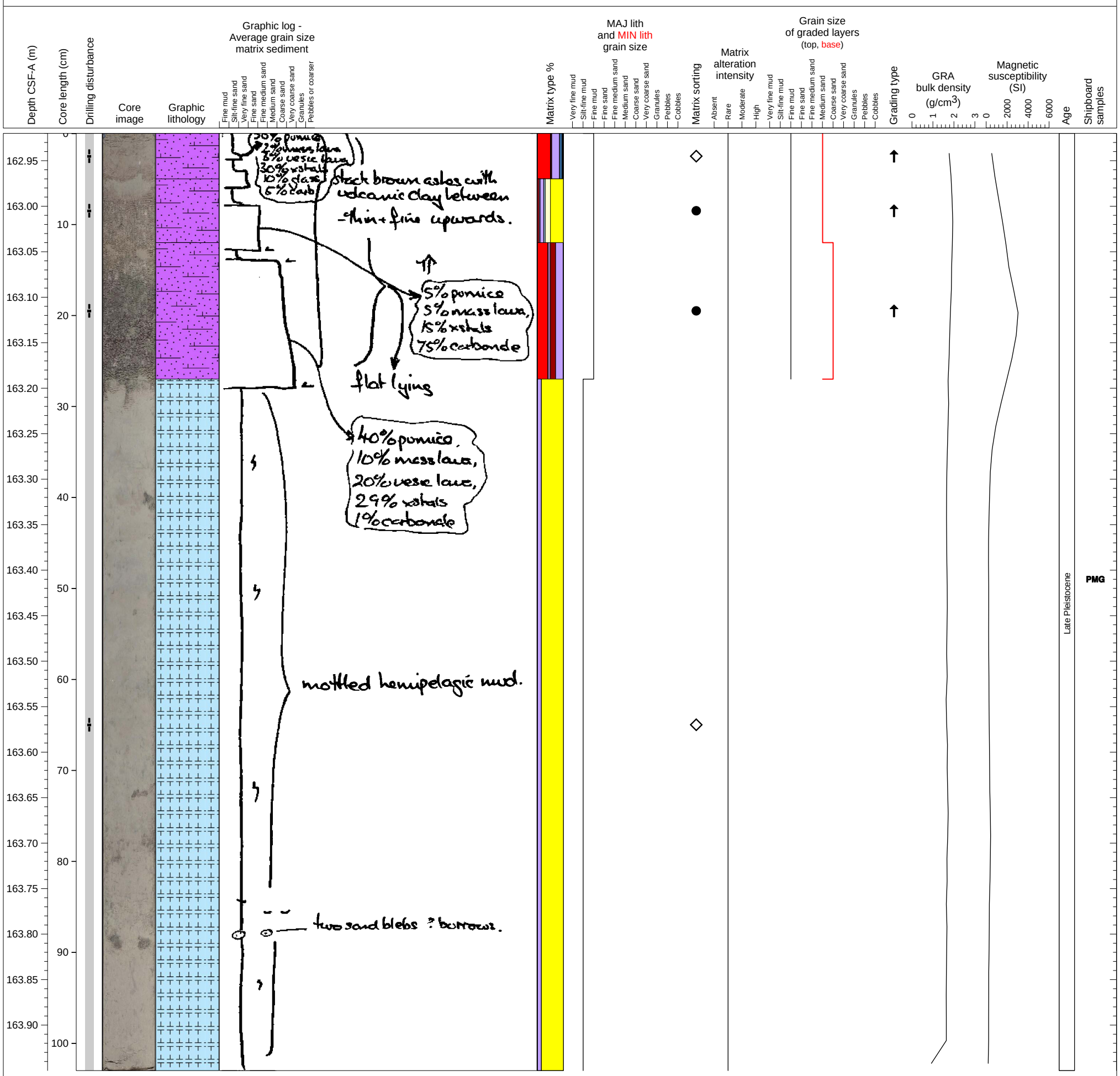
Hole 340-U1400B-23H Section 5, Top of Section: 161.45 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic units, including an ash layer.



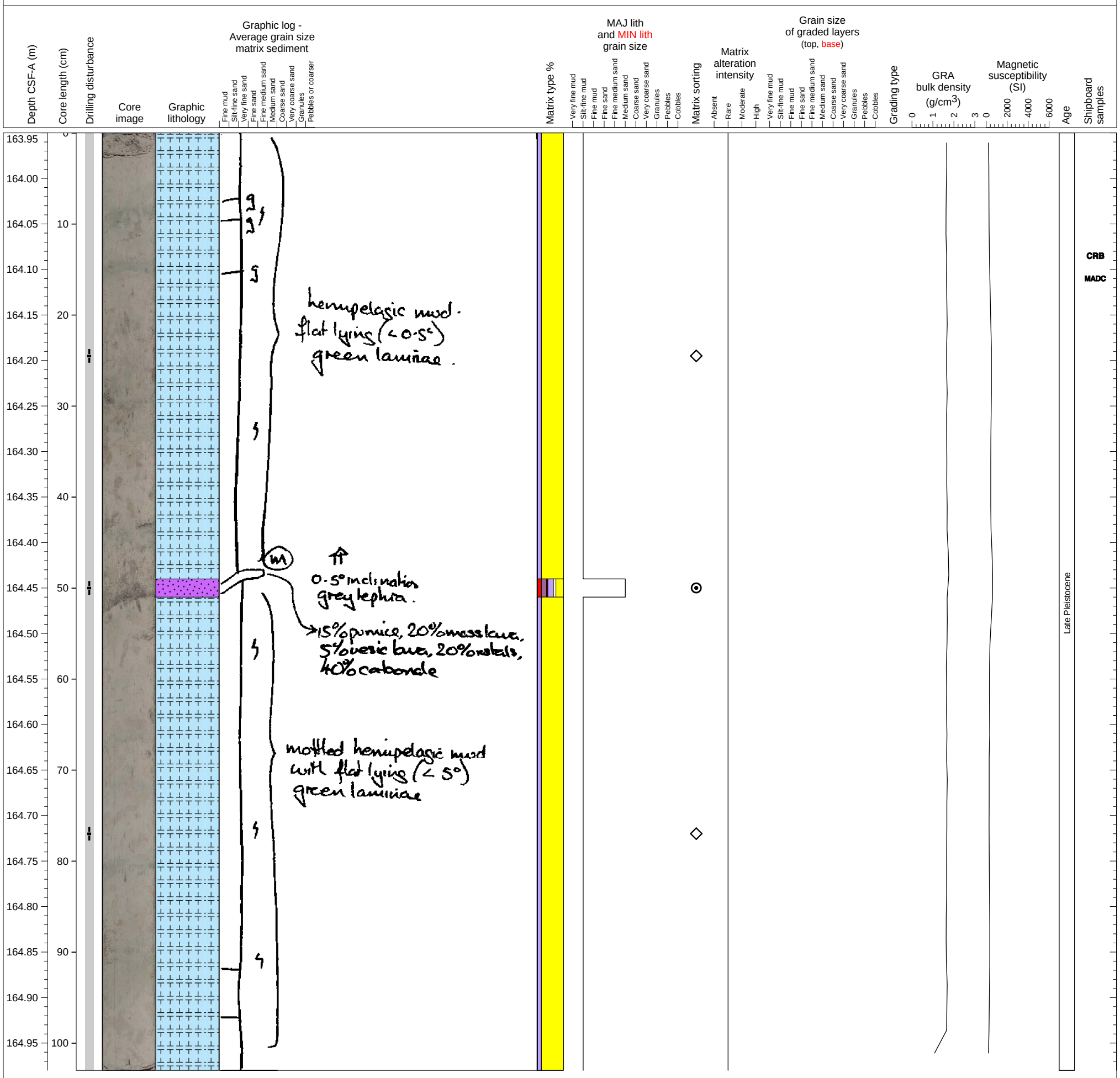
Hole 340-U1400B-23H Section 6, Top of Section: 162.92 CSF-A (m)

Normally graded volcaniclastic sand-mud units with hemipelagic clay at base.



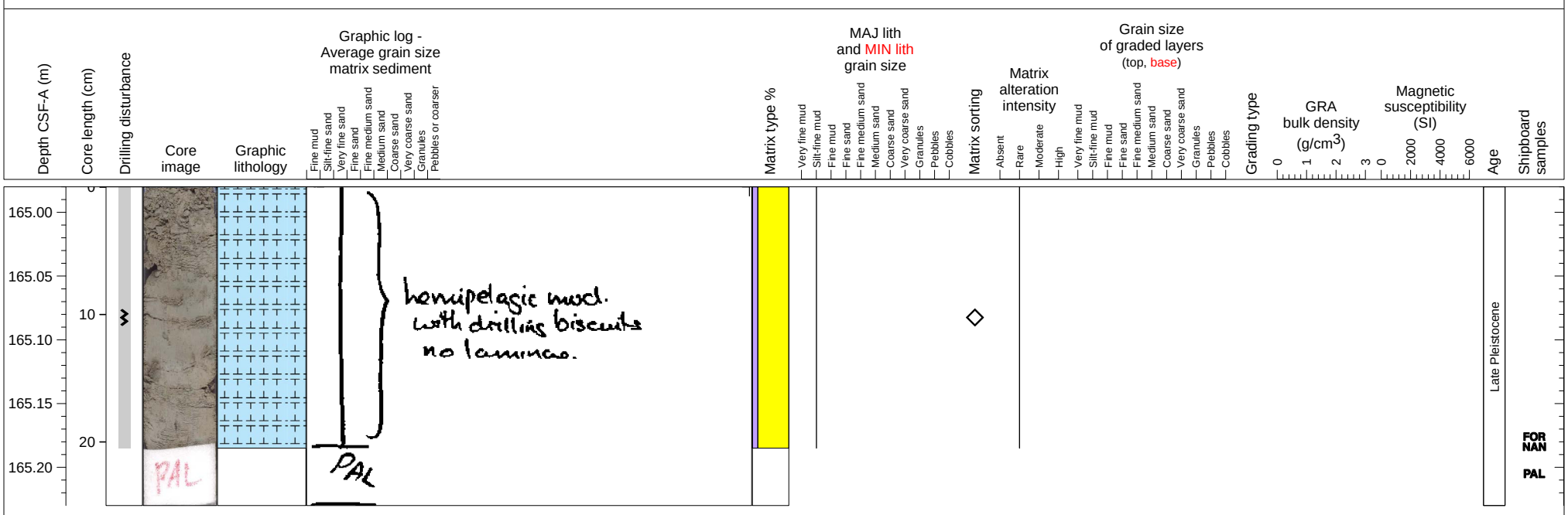
Hole 340-U1400B-23H Section 7, Top of Section: 163.95 CSF-A (m)

Hemipelagic clay with volcaniclastic sand layer.



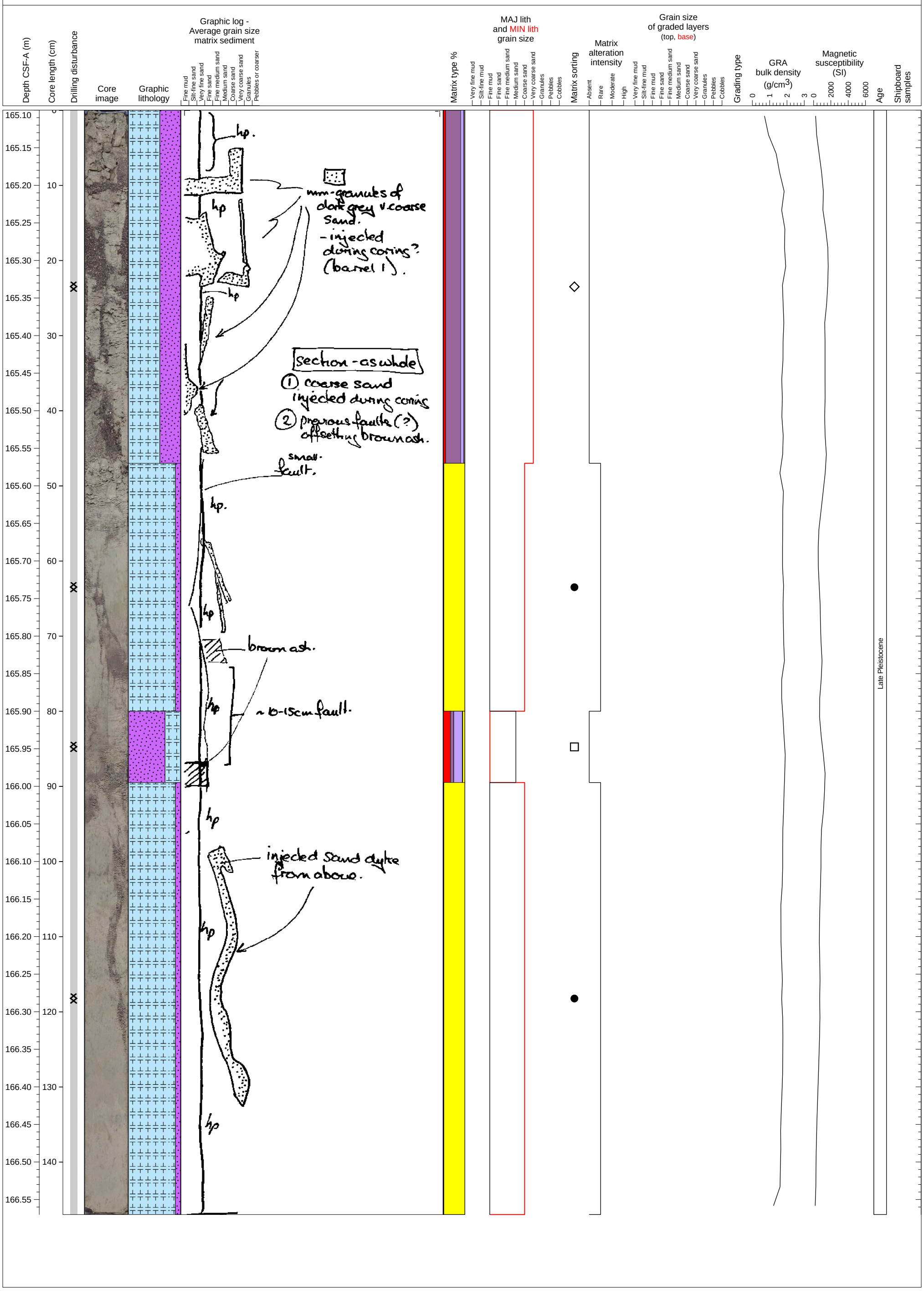
Hole 340-U1400B-23H Section CC, Top of Section: 164.98 CSF-A (m)

Hemipelagic clay. PAL sample from section base.



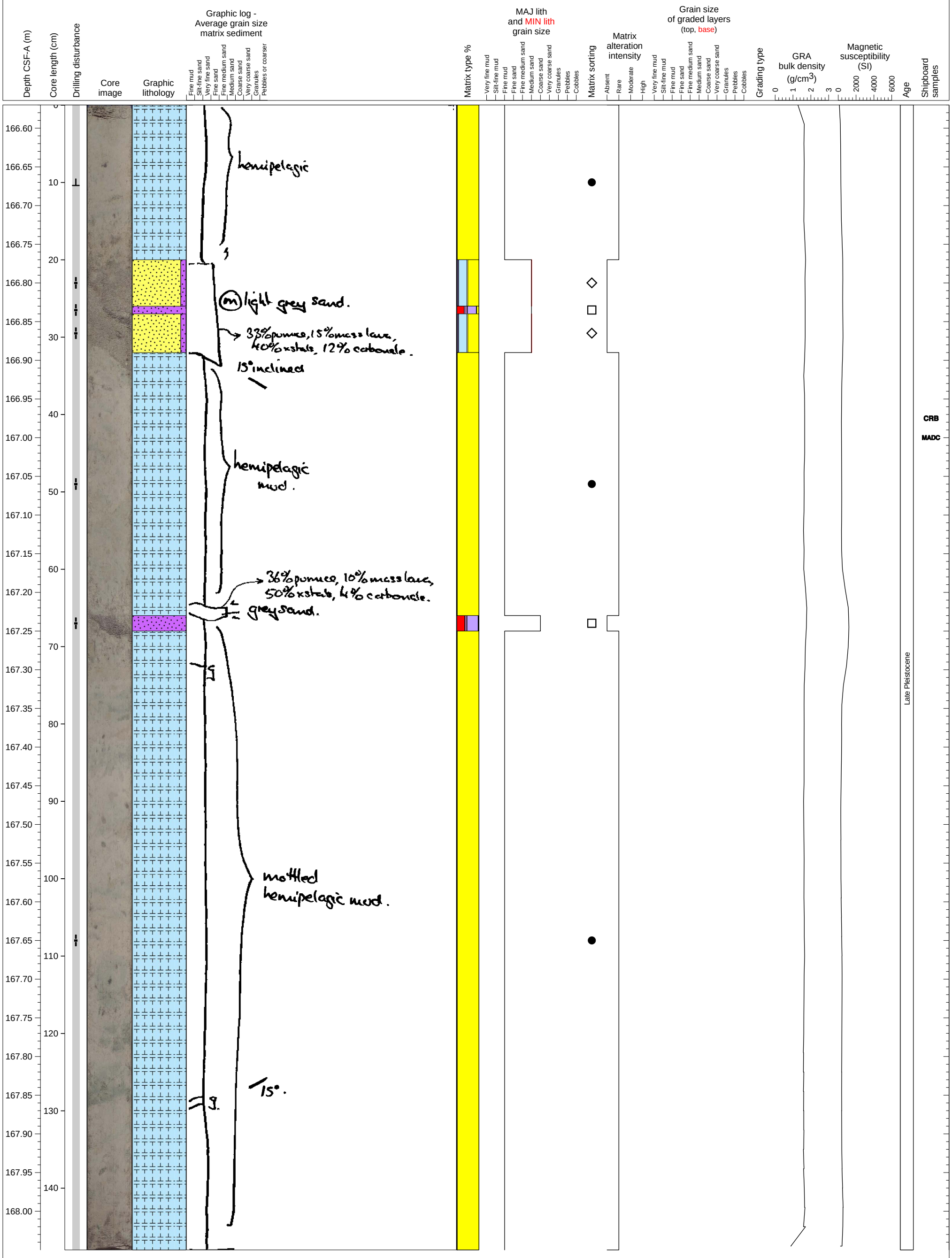
Hole 340-U1400B-24H Section 1, Top of Section: 165.1 CSF-A (m)

Highly deformed hemipelagic clay. Cracked part is filled with coarse volacniclastic sand.



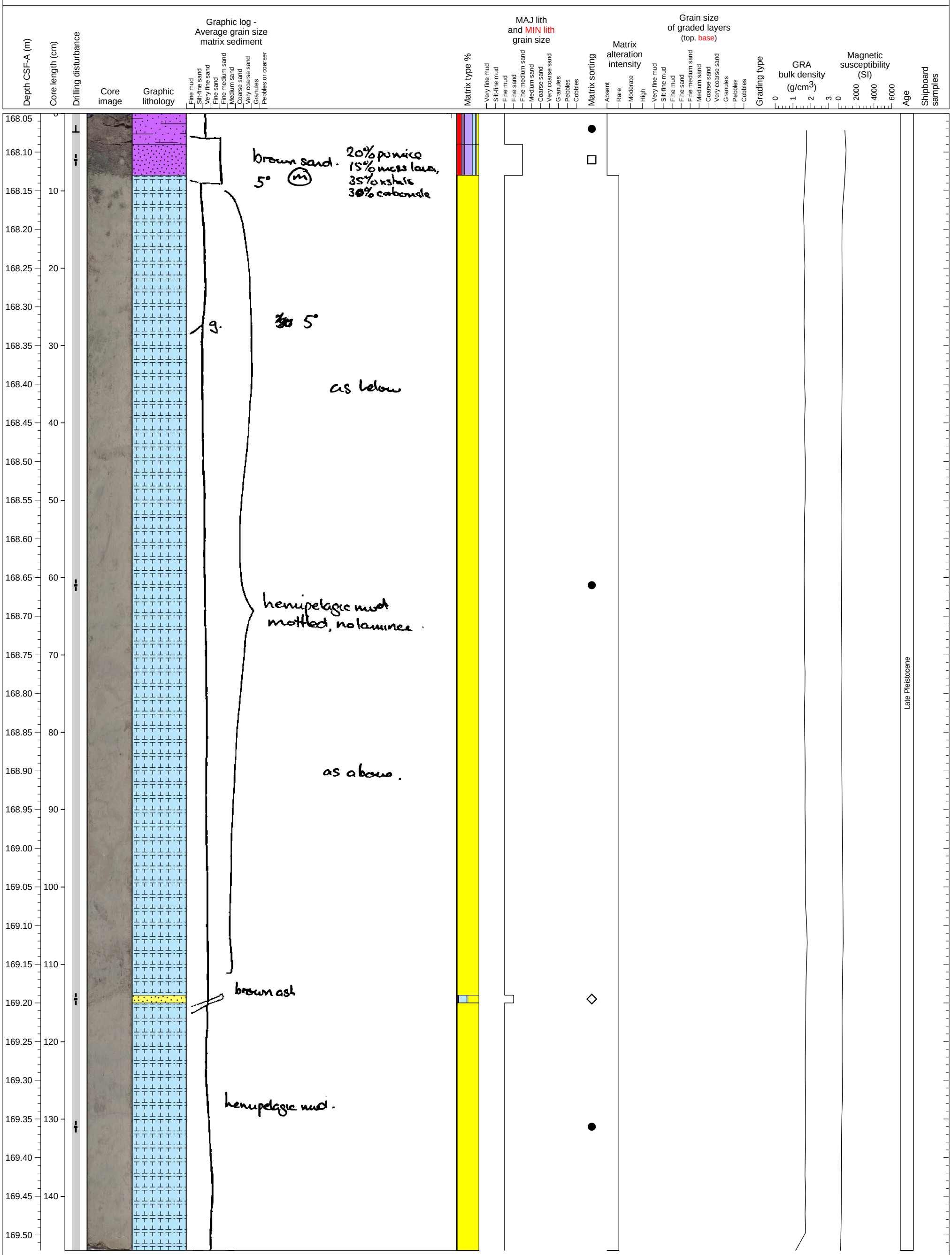
Hole 340-U1400B-24H Section 2, Top of Section: 166.57 CSF-A (m)

Deformed hemipelagic clay interlayered with volcaniclastic sand units.



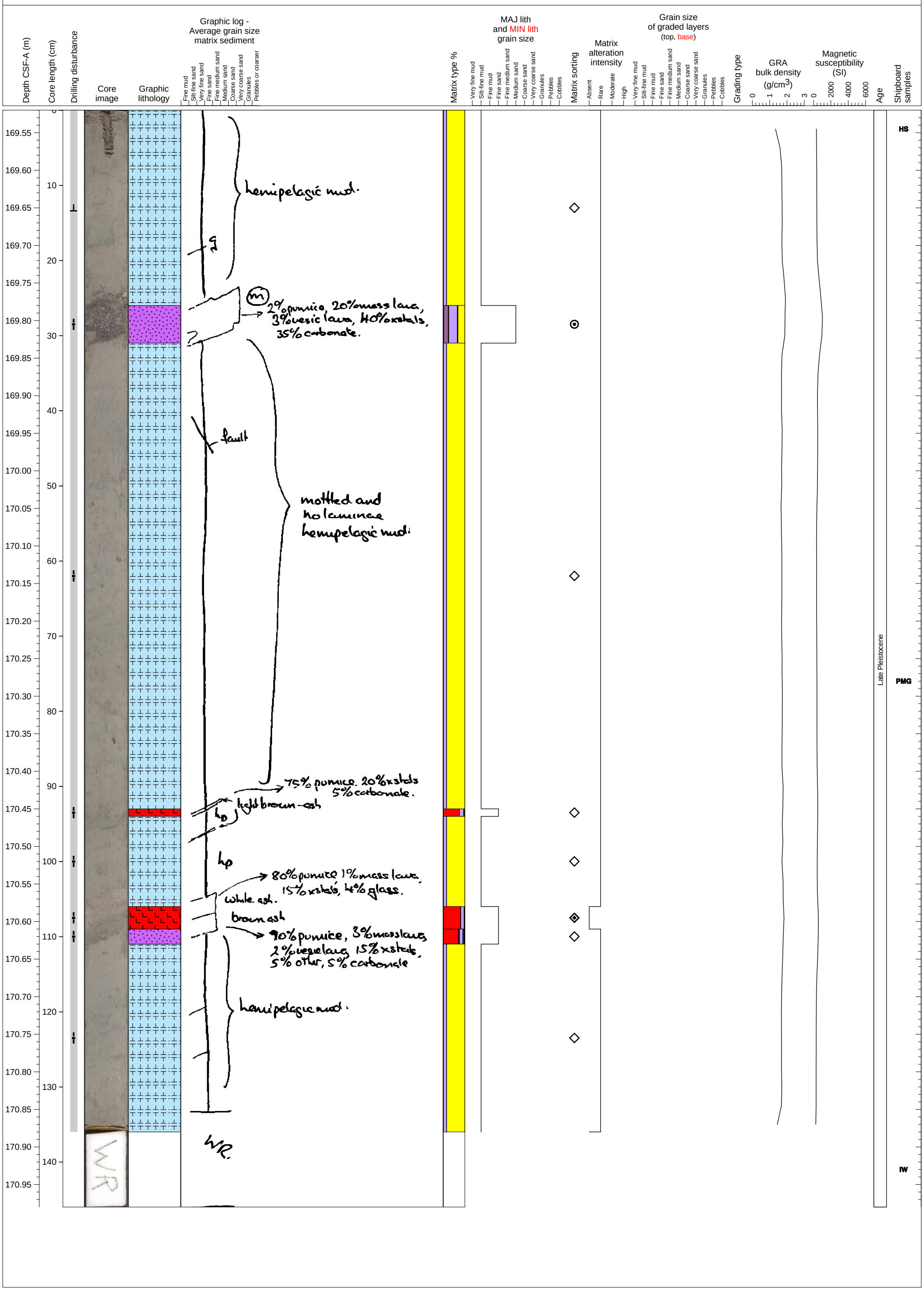
Hole 340-U1400B-24H Section 3, Top of Section: 168.05 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic and calcareous sands.



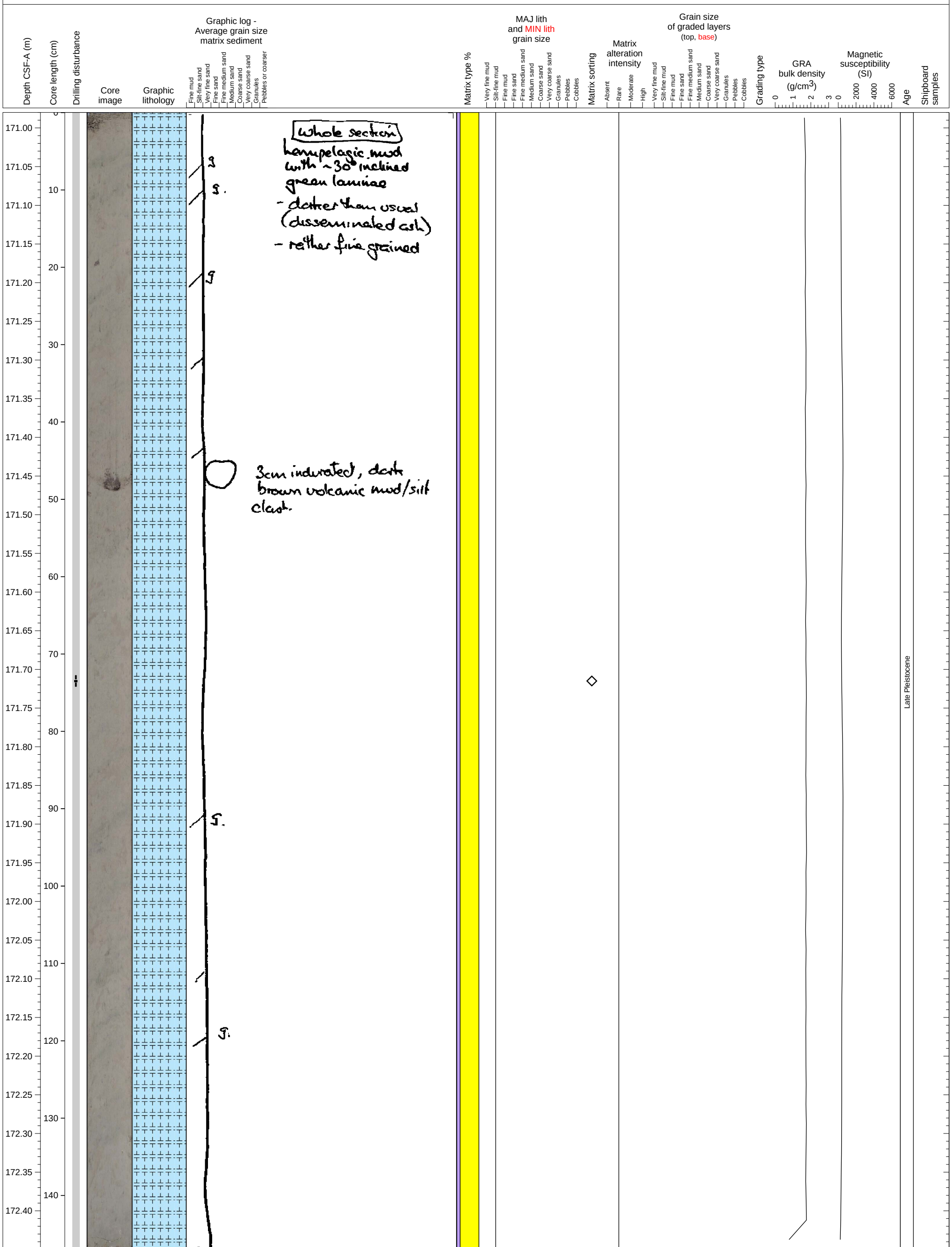
Hole 340-U1400B-24H Section 4, Top of Section: 169.52 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic units, several of which are ash.



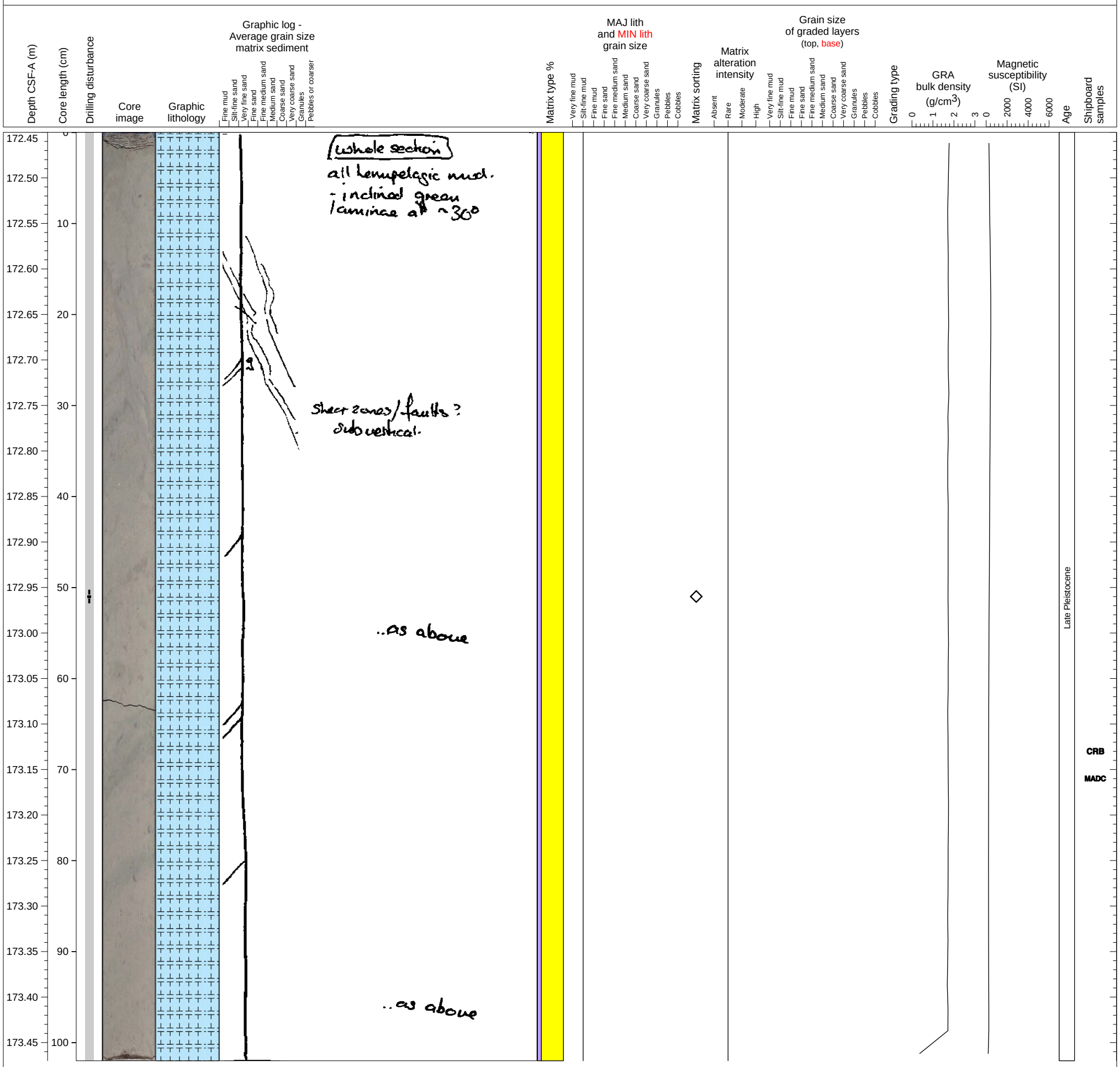
Hole 340-U1400B-24H Section 5, Top of Section: 170.98 CSF-A (m)

Hemipelagic clay.



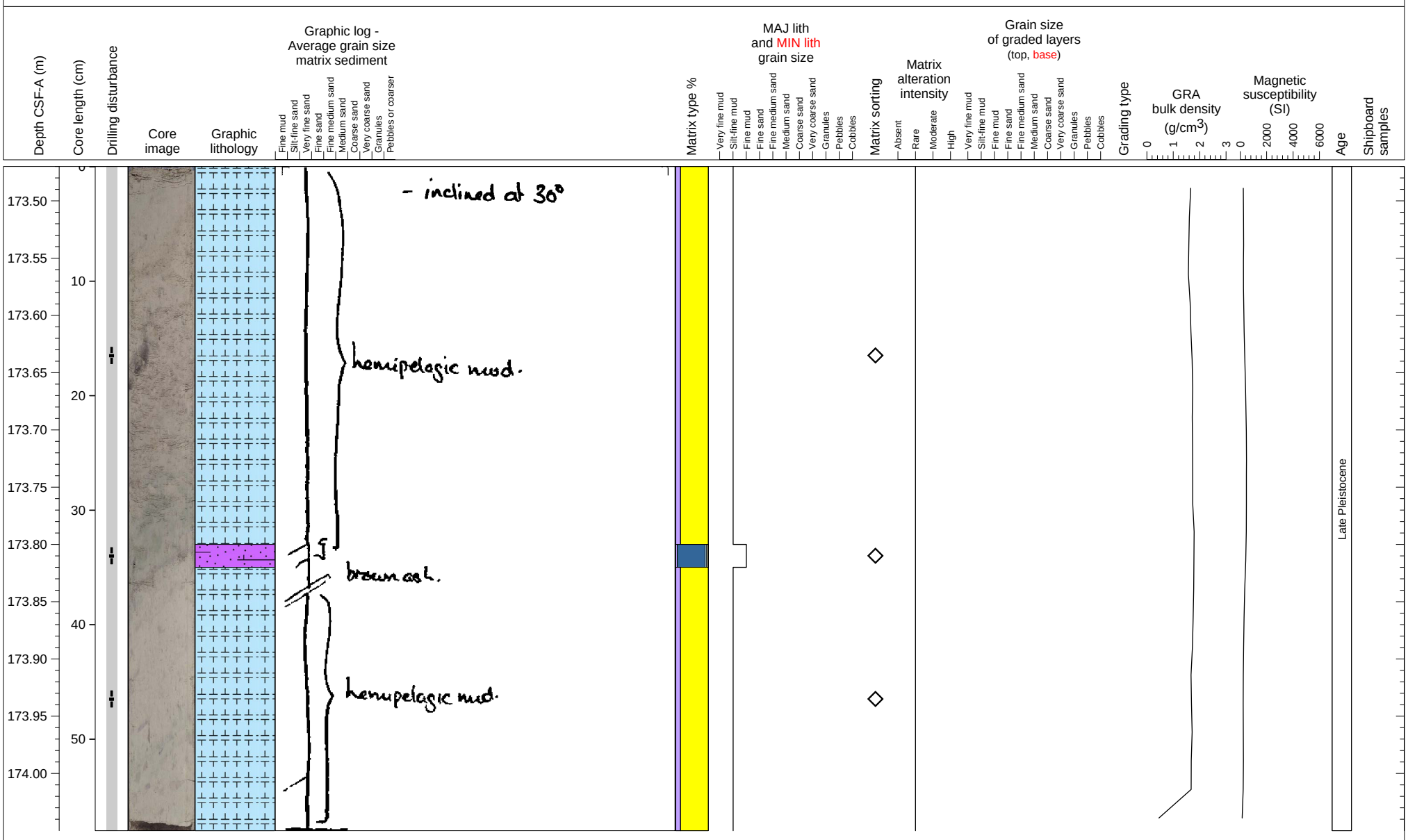
Hole 340-U1400B-24H Section 6, Top of Section: 172.45 CSF-A (m)

Hemipelagic clay.



Hole 340-U1400B-24H Section 7, Top of Section: 173.47 CSF-A (m)

Hemipelagic clay with thin volcaniclastic unit. Contacts are inclined.



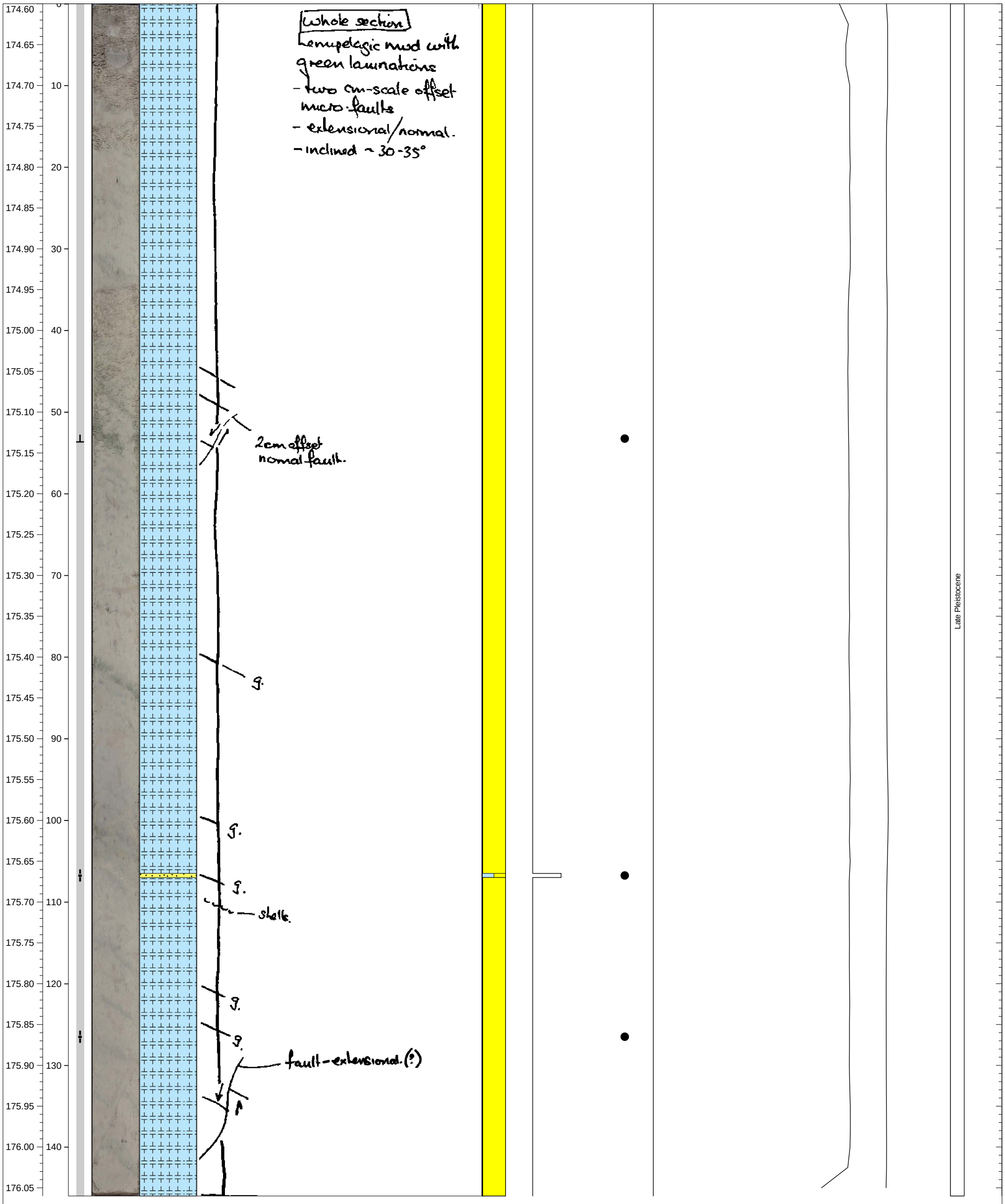
Hole 340-U1400B-24H Section CC, Top of Section: 174.05 CSF-A (m)

Hemipelagic clay. PAL sample from section base.

Hole 340-U1400B-25H Section 1, Top of Section: 174.6 CSF-A (m)

Hemipelgaic clay interlayered with a thin calcareous unit.

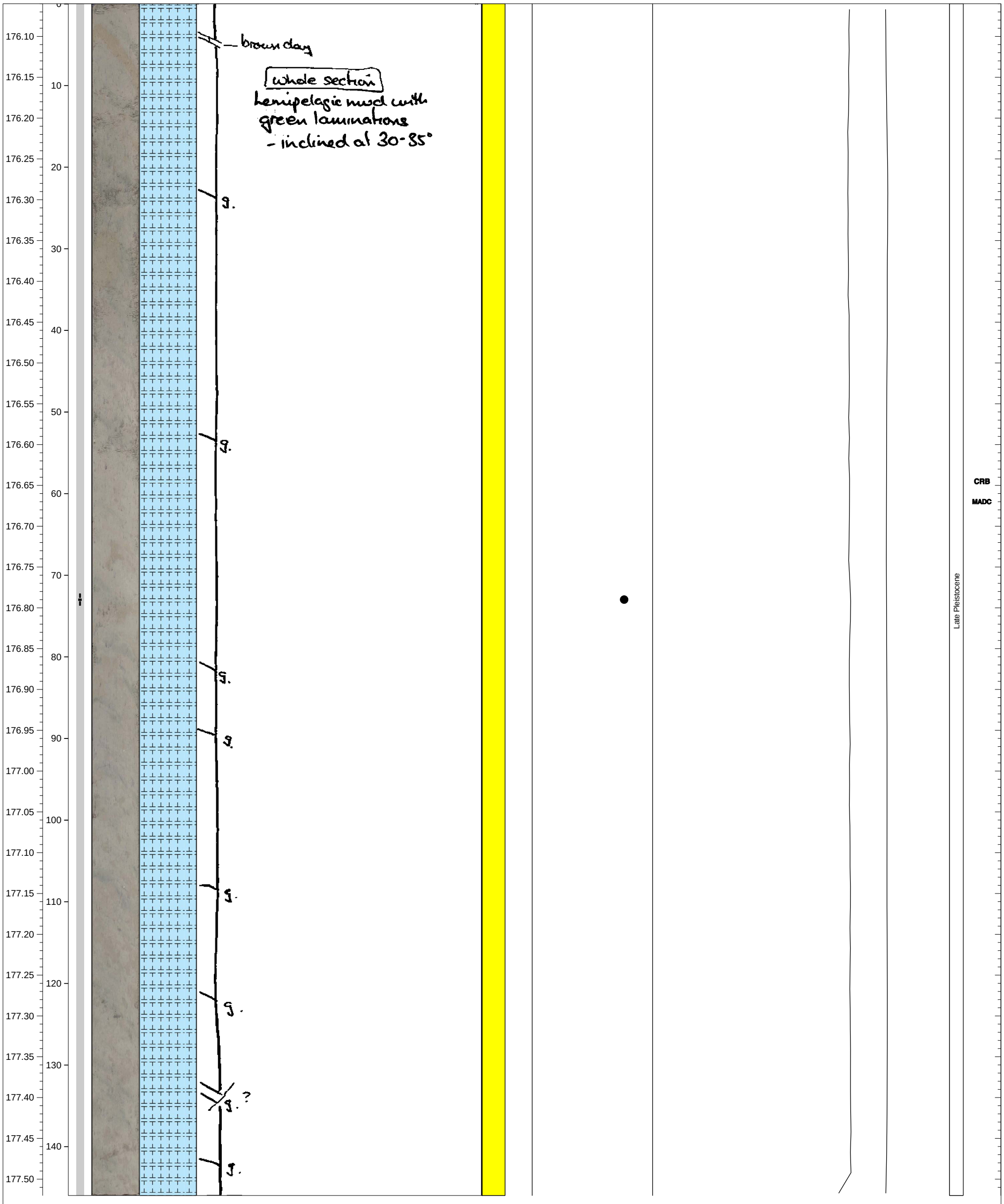
Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
Magnetic susceptibility (SI)
Age
Shipboard samples



Hole 340-U1400B-25H Section 2, Top of Section: 176.06 CSF-A (m)

All hemipelagic clay

Depth CSF-A (m) | Core length (cm) | Drilling disturbance | Core image | Graphic lithology | Graphic log - Average grain size matrix sediment (Fine mud, Silt-fine sand, Very fine sand, Fine sand, Fine medium sand, Medium sand, Coarse sand, Very coarse sand, Granules, Pebbles or coarser) | Matrix type % | MAJ lith and MIN lith grain size (Very fine mud, Silt-fine mud, Fine mud, Fine sand, Fine medium sand, Medium sand, Coarse sand, Very coarse sand, Granules, Pebbles, Cobbles) | Matrix sorting | Matrix alteration intensity (Absent, Rare, Moderate, High) | Grain size of graded layers (top, base) (Very fine mud, Silt-fine mud, Fine mud, Fine sand, Fine medium sand, Medium sand, Coarse sand, Very coarse sand, Granules, Pebbles, Cobbles) | Grading type | GRA bulk density (g/cm^3) (0, 1, 2, 3) | Magnetic susceptibility (SI) (0, 2000, 4000, 6000) | Age | Shipboard samples



Hole 340-U1400B-25H Section 3, Top of Section: 177.52 CSF-A (m)

All hemipelagic clay.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

177.55
177.60
177.65
177.70
177.75
177.80
177.85
177.90
177.95
178.00
178.05
178.10
178.15
178.20
178.25
178.30
178.35
178.40
178.45
178.50
178.55
178.60
178.65
178.70
178.75
178.80
178.85
178.90
178.95

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

HS

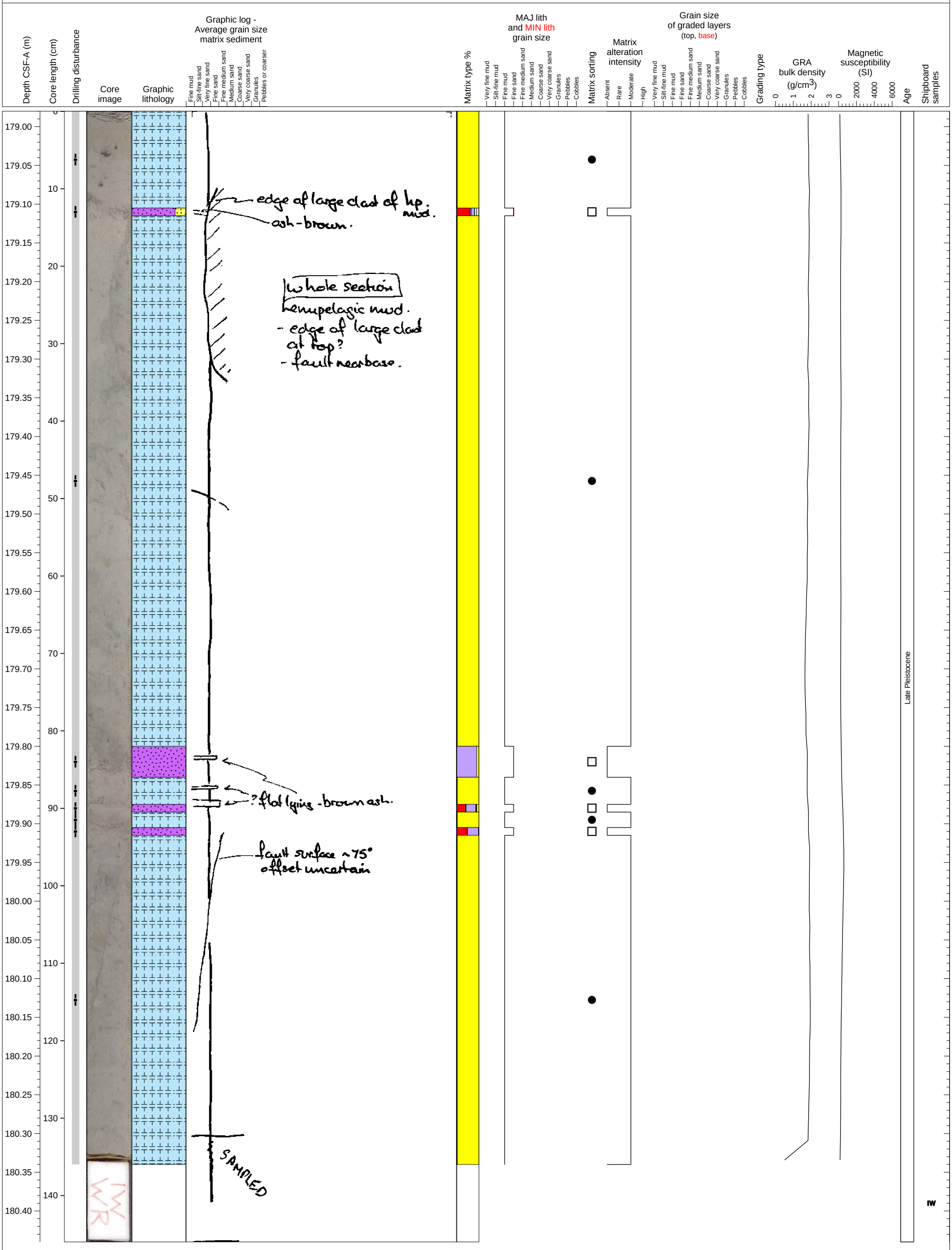
Late Pleistocene

(whole section)
hemipelagic mud with inclined green laminae
- no obvious faults
- inclined at 25-30° typically but 10° near base.

g.
g.
g... etc.
g.
15° inclined.
g.

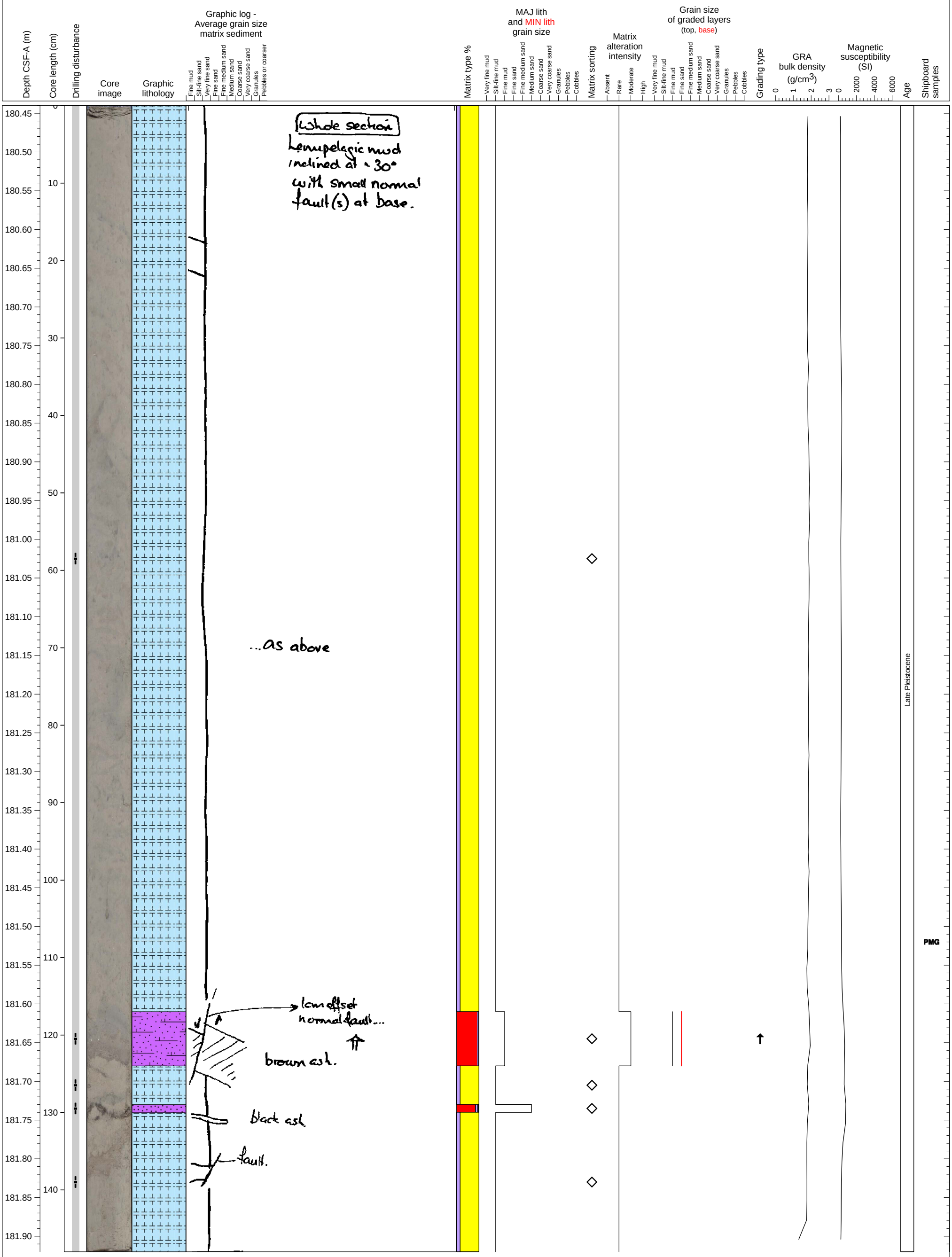
Hole 340-U1400B-25H Section 4, Top of Section: 178.98 CSF-A (m)

Hemipelagic clay interlayred with thin volacniclastic sand layers.



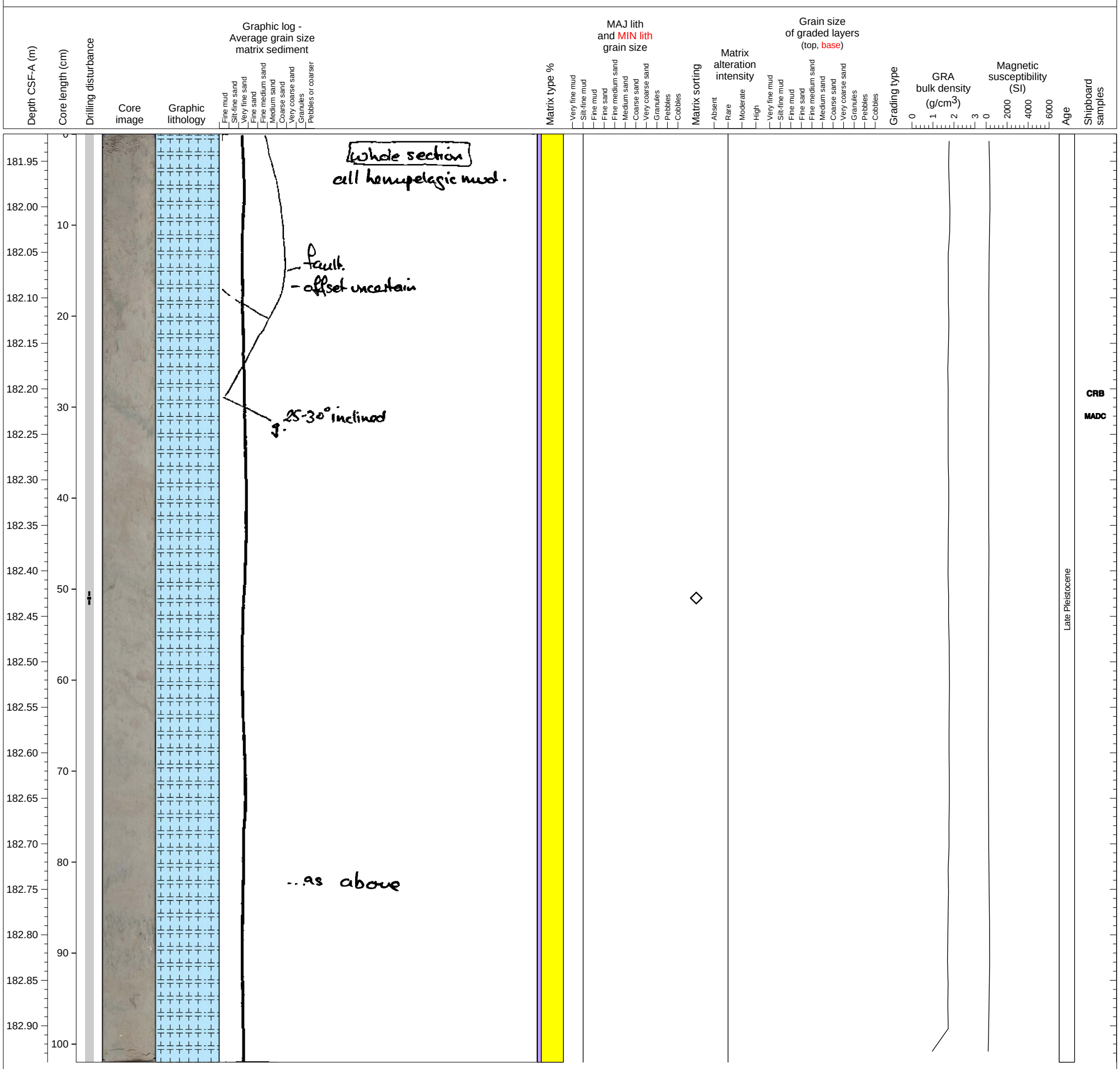
Hole 340-U1400B-25H Section 5, Top of Section: 180.44 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic deposits.



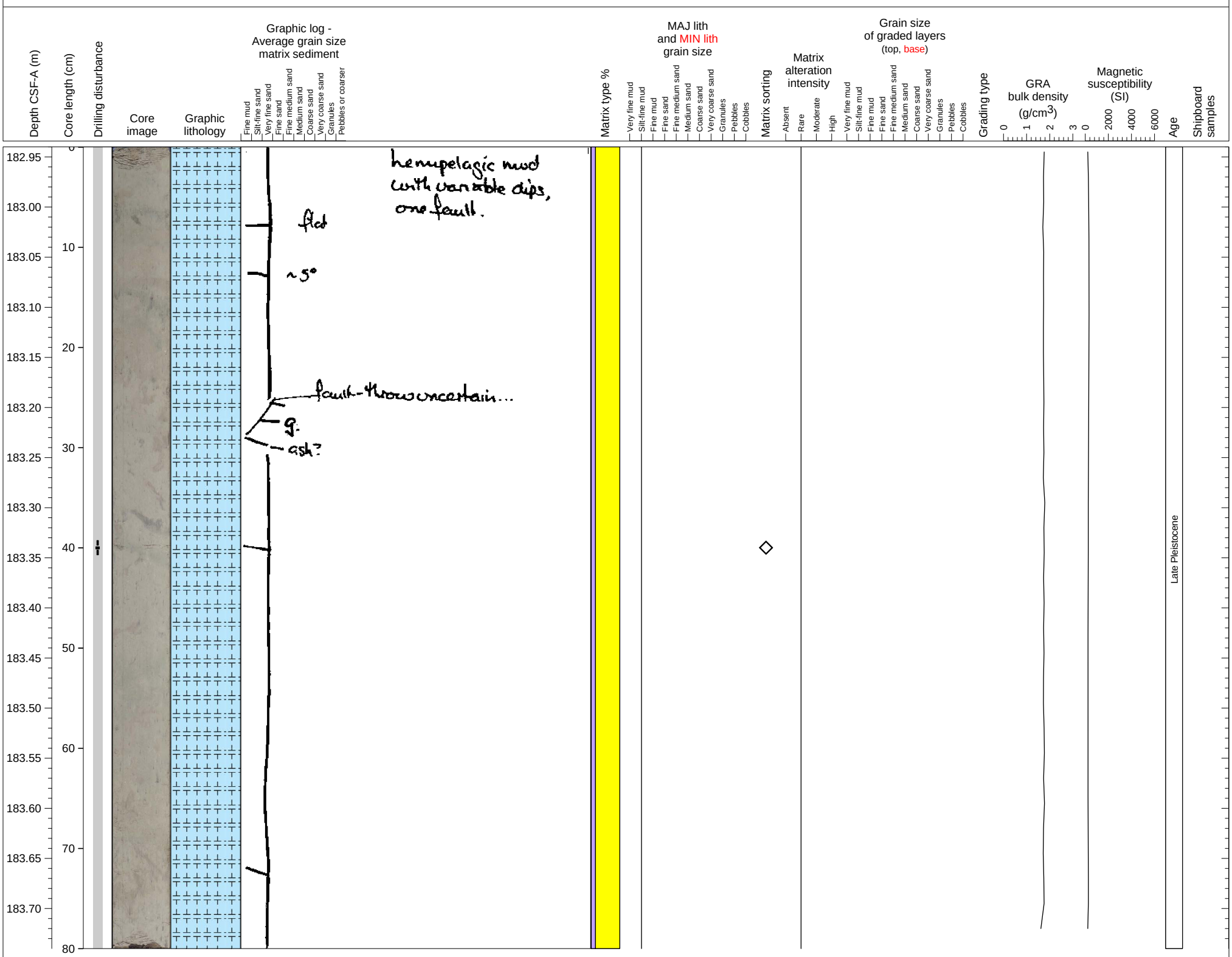
Hole 340-U1400B-25H Section 6, Top of Section: 181.92 CSF-A (m)

Hemipelagic clay.



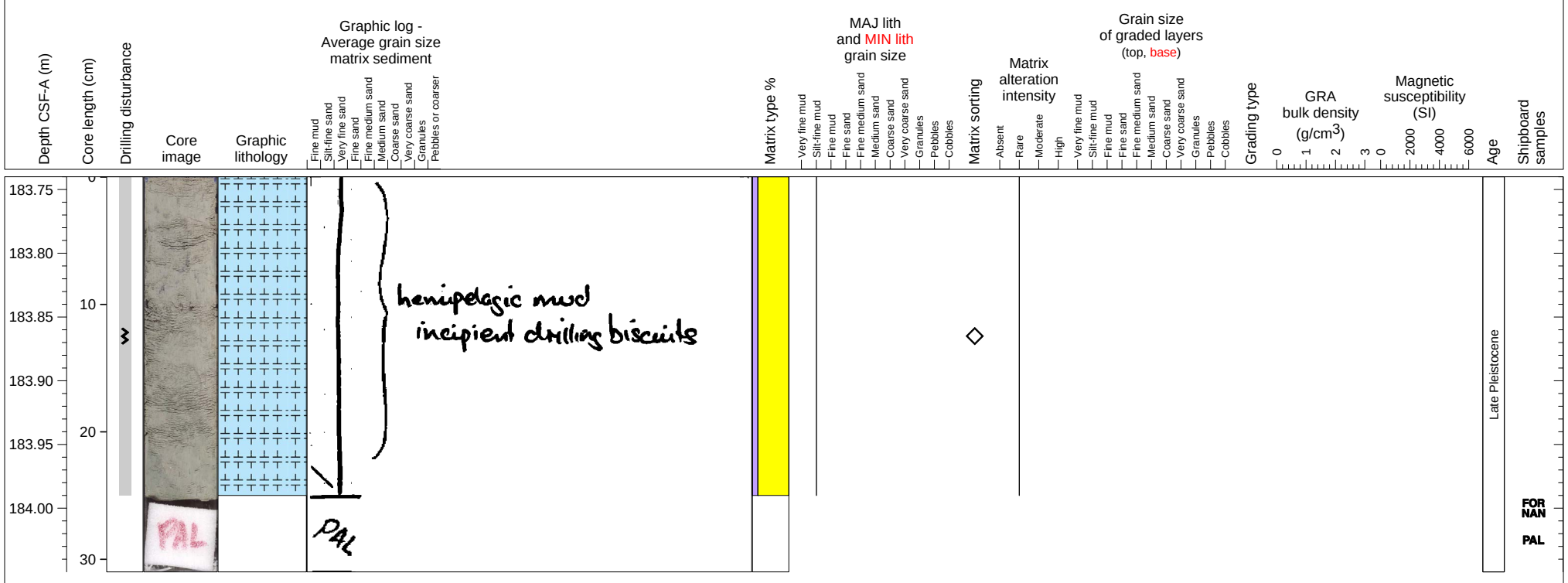
Hole 340-U1400B-25H Section 7, Top of Section: 182.94 CSF-A (m)

Hemipelagic clay.



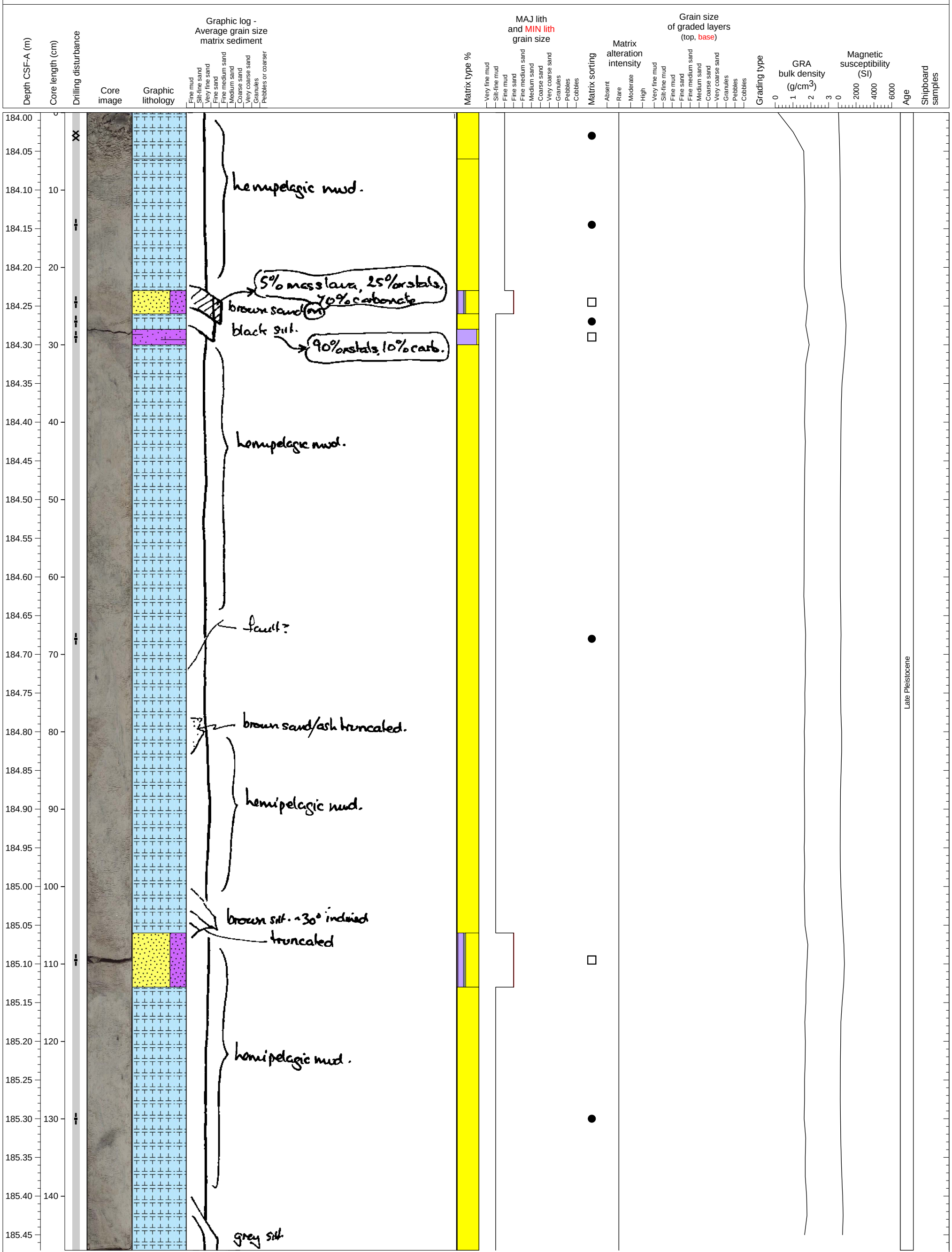
Hole 340-U1400B-25H Section CC, Top of Section: 183.74 CSF-A (m)

Hemipelagic clay. PAL sample from section base.



Hole 340-U1400B-26H Section 1, Top of Section: 184.0 CSF-A (m)

Deformed hemipelagic clay interlayered with volcaniclastic and calcareous sand-mud units.



Hole 340-U1400B-26H Section 2, Top of Section: 185.47 CSF-A (m)

Deformed hemipelagic clay interlayered with a volcaniclastic sand unit.

Depth CSF-A (m)

Core length (cm)

Drilling disturbance

Core image

Graphic lithology

Graphic log - Average grain size matrix sediment
Fine mud | Silt-fine sand | Very fine sand | Fine sand | Fine medium sand | Medium sand | Coarse sand | Very coarse sand | Granules | Pebbles or coarser

Matrix type %

MAJ lith and MIN lith grain size
Very fine mud | Silt-fine mud | Fine mud | Fine sand | Fine medium sand | Medium sand | Coarse sand | Very coarse sand | Granules | Pebbles | Cobbles

Matrix sorting

Matrix alteration intensity
Absent | Rare | Moderate | High

Grain size of graded layers (top, base)
Very fine mud | Silt-fine mud | Fine mud | Fine sand | Fine medium sand | Medium sand | Coarse sand | Very coarse sand | Granules | Pebbles | Cobbles

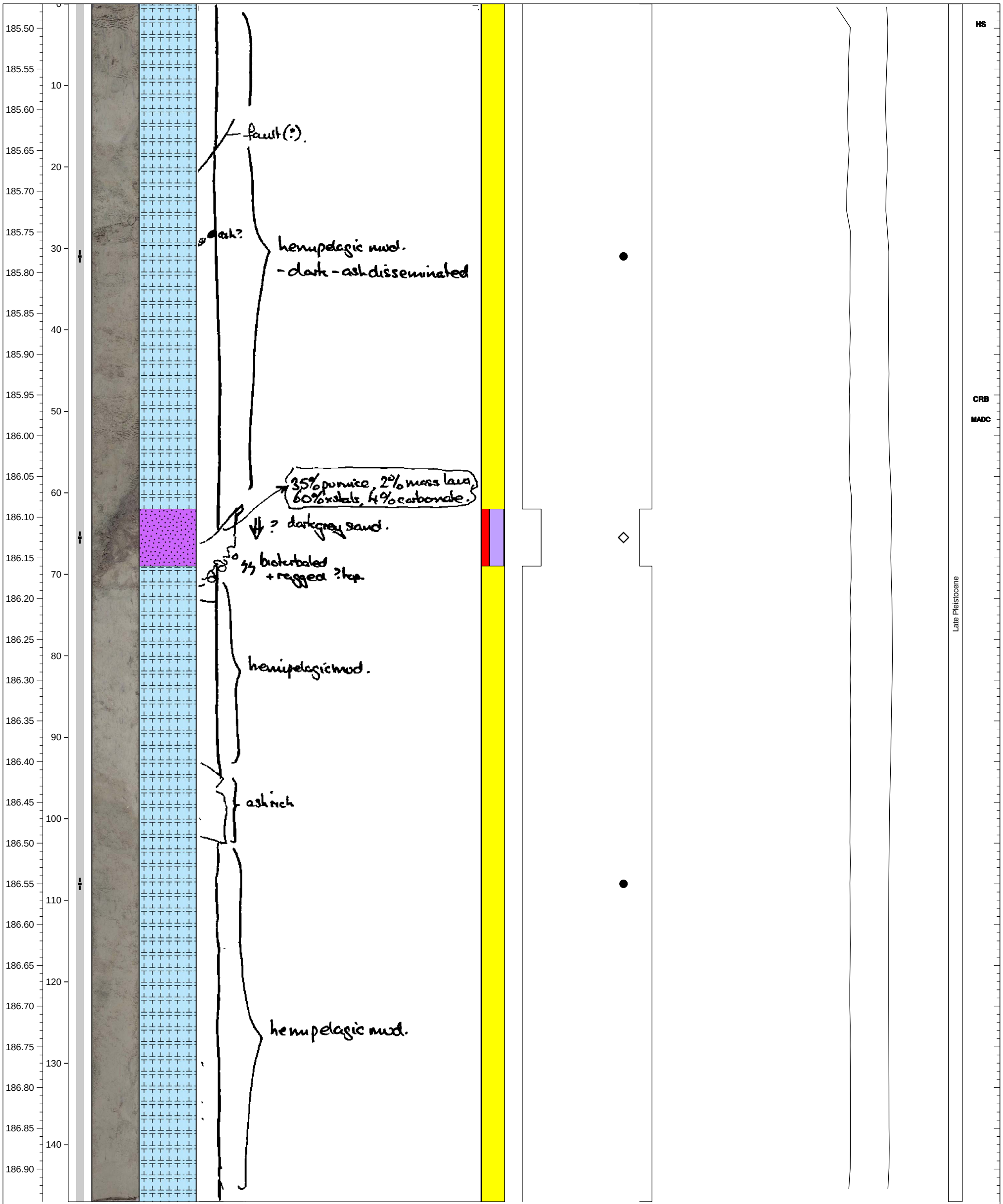
Grading type

GRA bulk density (g/cm^3)
0 | 1 | 2 | 3

Magnetic susceptibility (SI)
0 | 2000 | 4000 | 6000

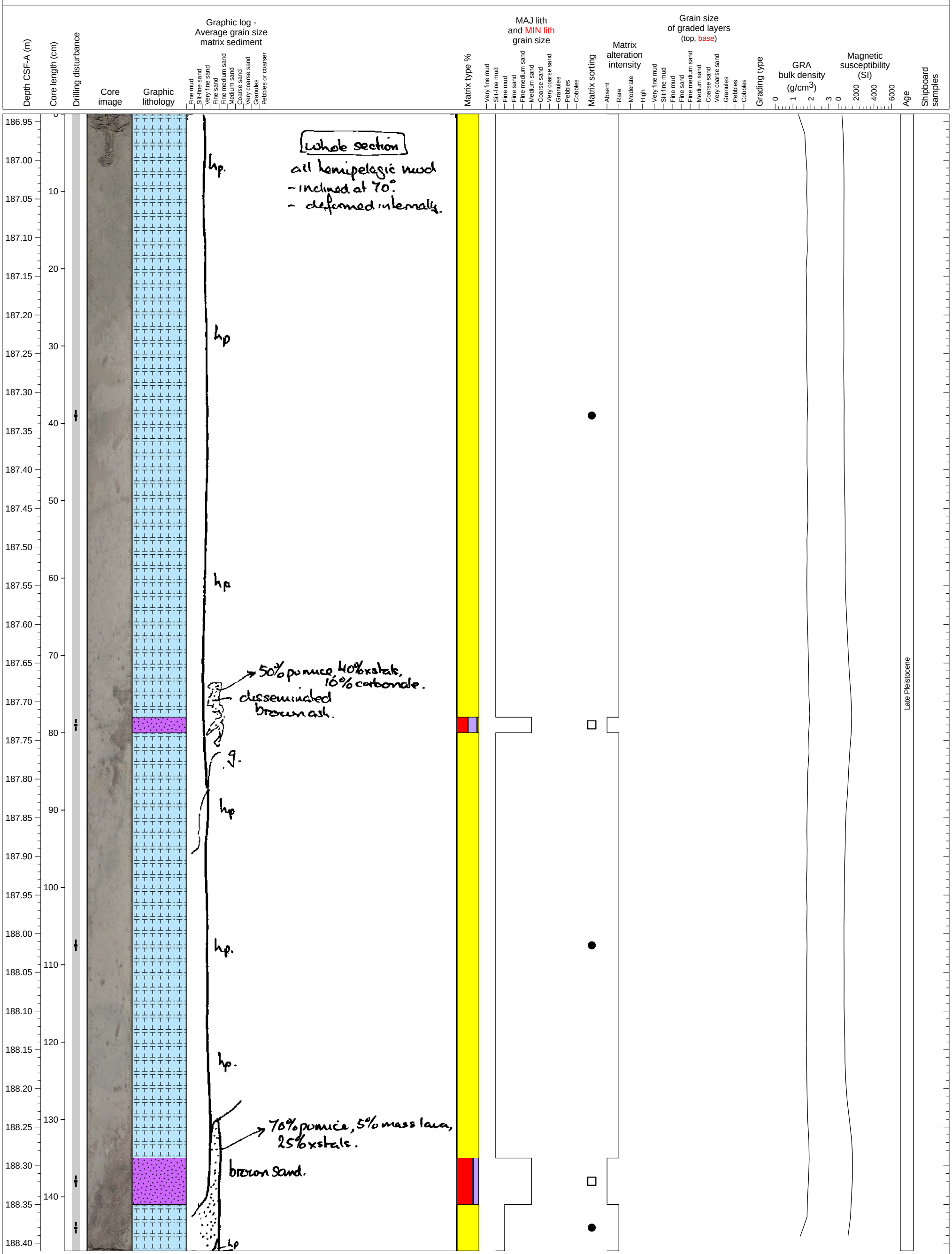
Age

Shipboard samples



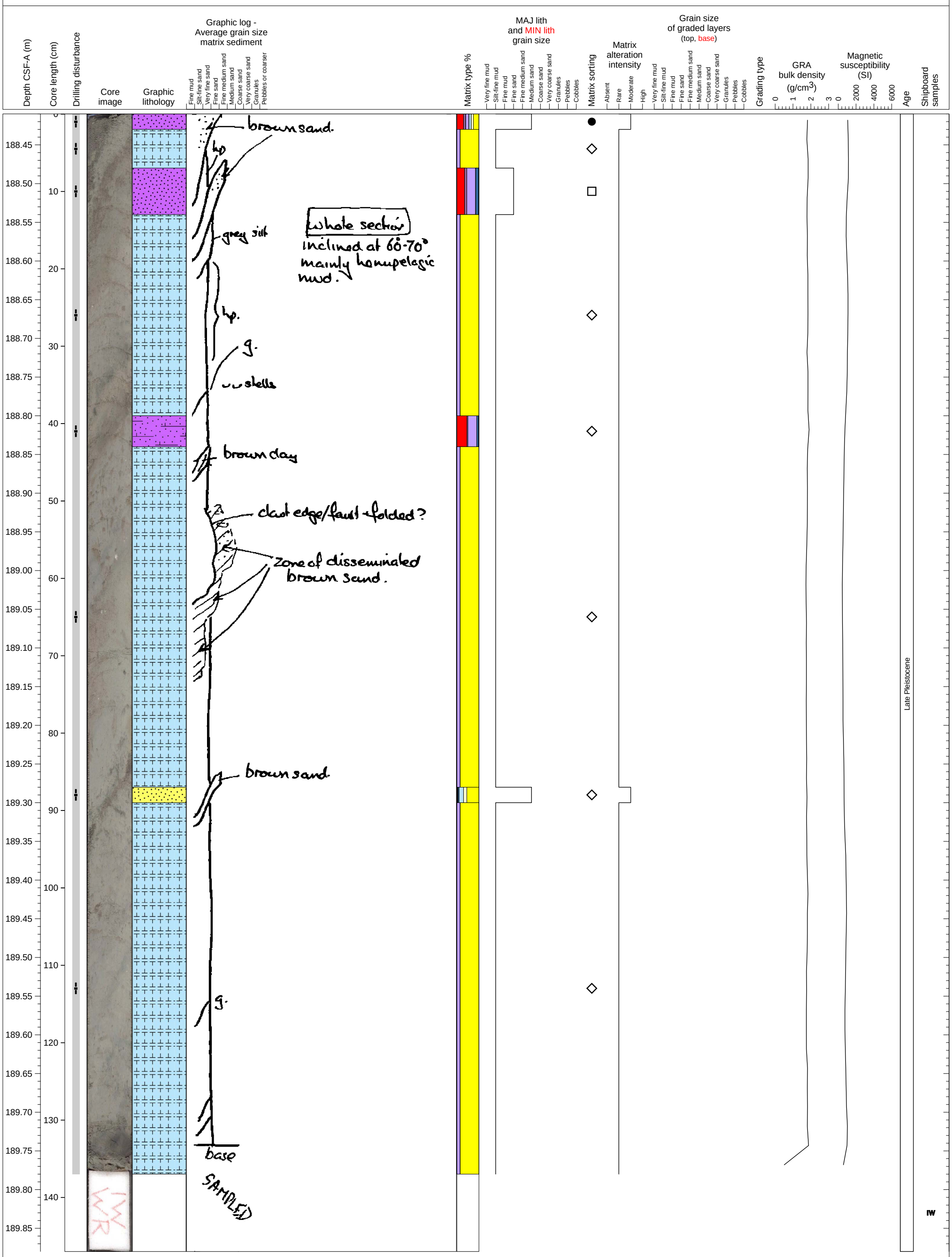
Hole 340-U1400B-26H Section 3, Top of Section: 186.94 CSF-A (m)

Heavily deformed hemipelagic caly interlayered with volacniclastic sand units.



Hole 340-U1400B-26H Section 4, Top of Section: 188.41 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic units.



Hole 340-U1400B-26H Section 5, Top of Section: 189.88 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic units. A muddy sand unit is present at the base.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

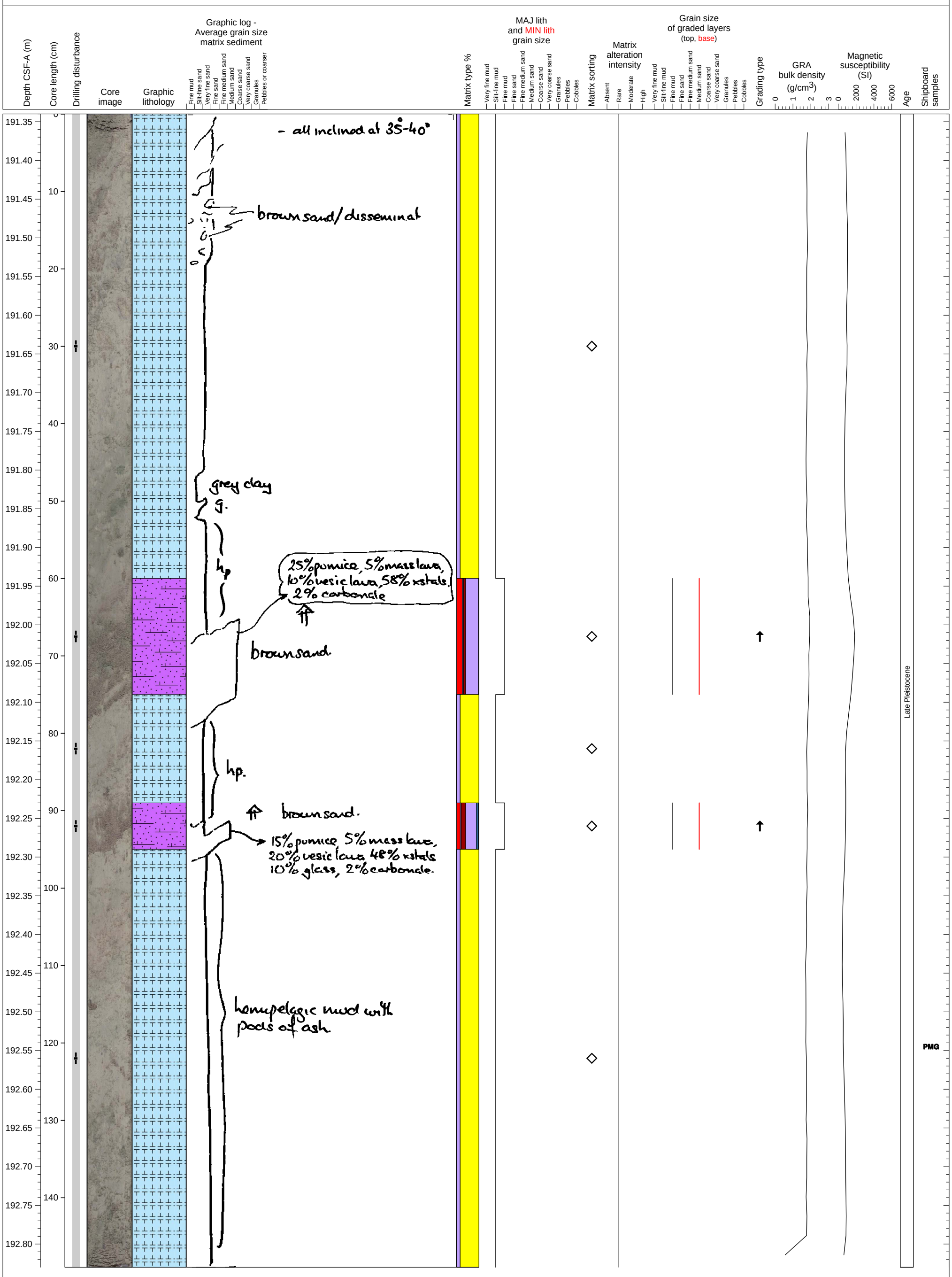
189.90
189.95
10
190.00
190.05
20
190.10
190.15
30
190.20
190.25
40
190.30
190.35
50
190.40
190.45
60
190.50
190.55
70
190.60
190.65
80
190.70
190.75
90
190.80
190.85
100
190.90
190.95
110
191.00
191.05
120
191.10
191.15
130
191.20
191.25
140
191.30

hemipelagic mud.
inclined laminae
mottled hp.
single 1cm lava clast.
brown sand
hemipelagic mud.
2% carbonate
25% pumice, 5% mass lava,
10% vesic lava, 58% xtals
v. fine distinct grey clay
clay-grey (?hp)
debrite matrix/muddy sand.
high bioclastic content
10% glass, 2% carb.
15% pumice, 5% mass lava,
20% vesic lava, 48% xtals
muddy sand, with many white (bioclastic) shell fragments - ungraded.
deformed pods and streak of brown sand.
hemipelagic mud.

Late Pleistocene

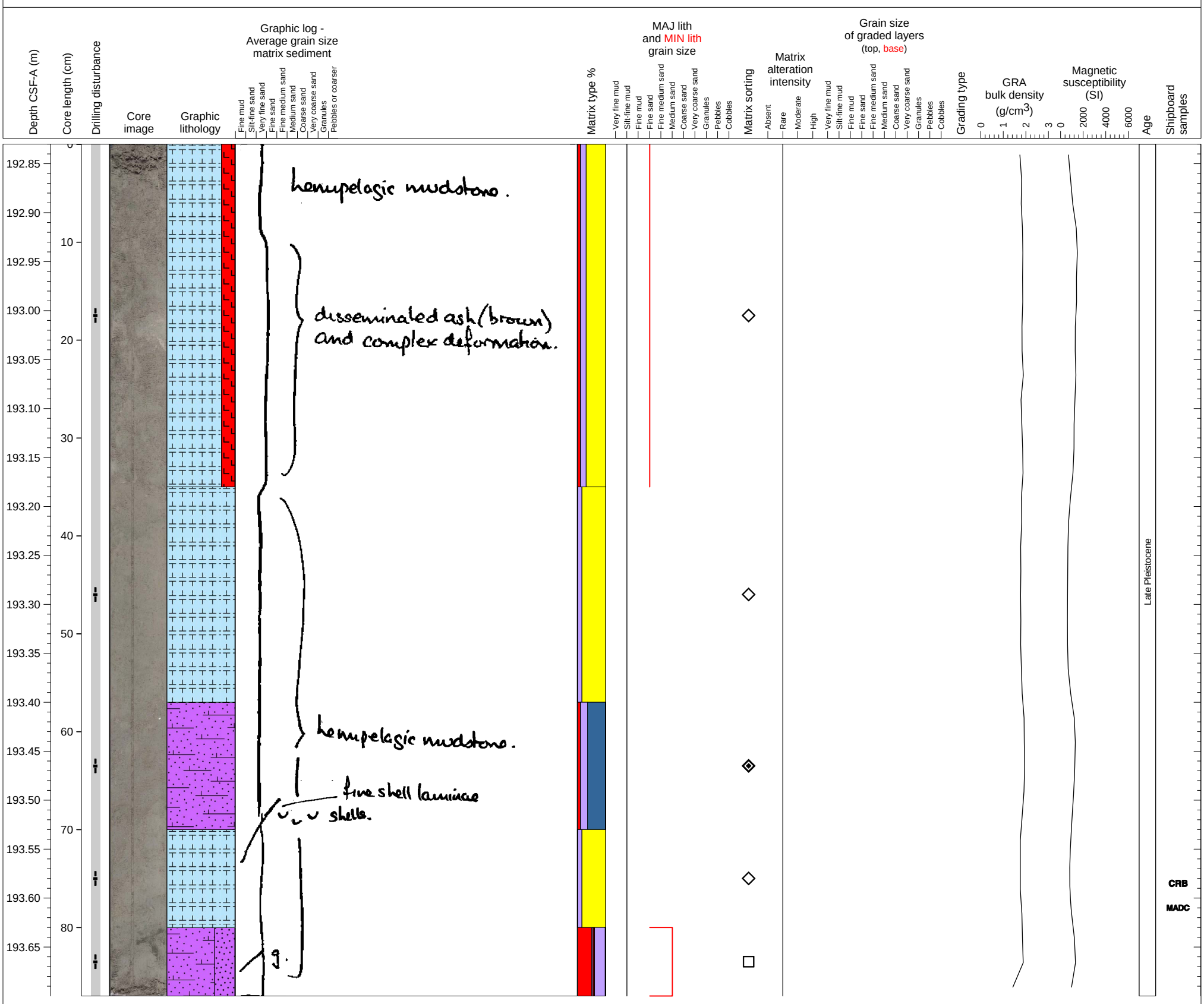
Hole 340-U1400B-26H Section 6, Top of Section: 191.34 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic units.



Hole 340-U1400B-26H Section 7, Top of Section: 192.83 CSF-A (m)

Heavily deformed mix of ash and hemipelagic clay overlying interlayered hemipelagic clay and volcaniclastic units.

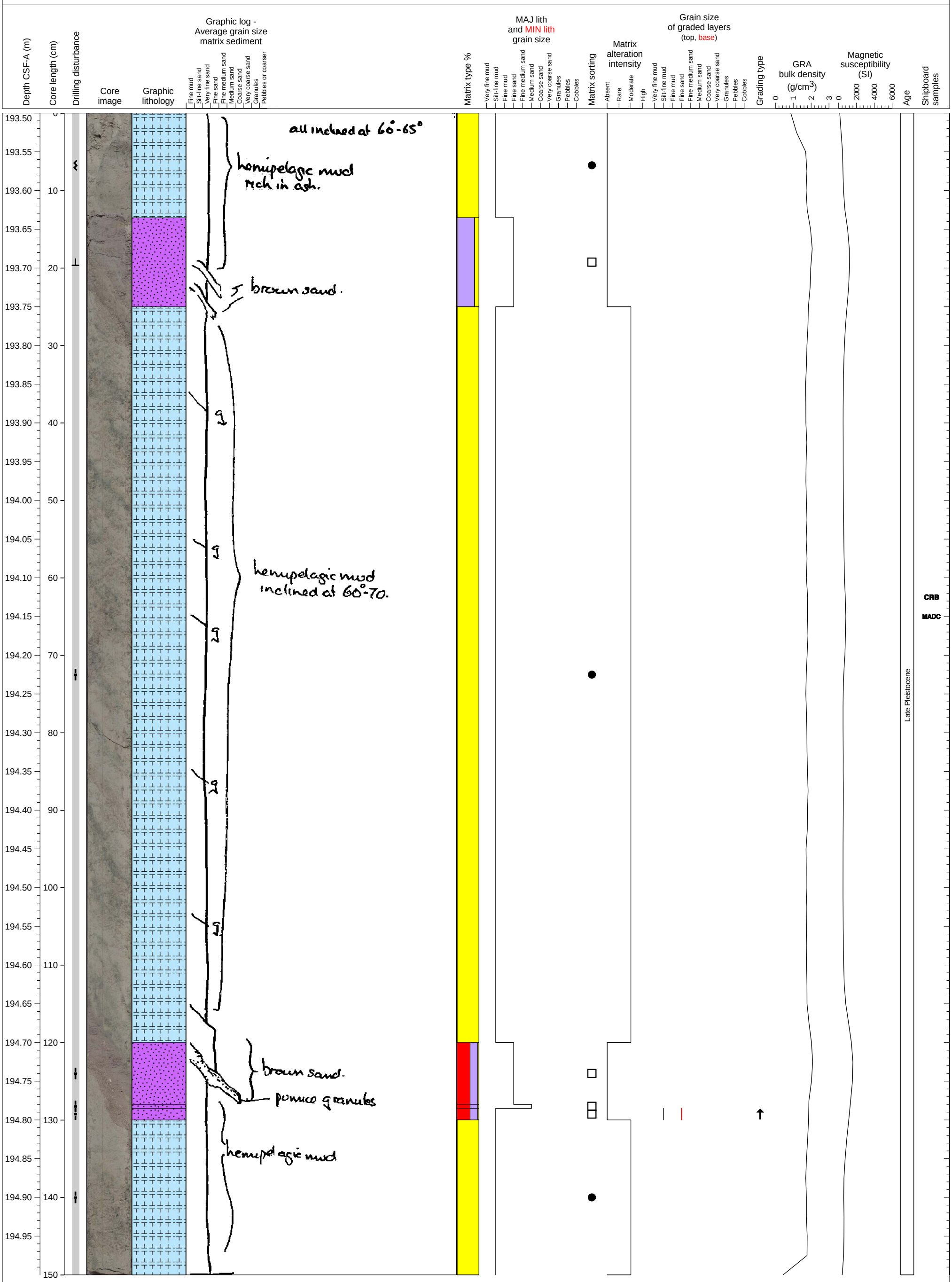


Hole 340-U1400B-26H Section CC, Top of Section: 193.7 CSF-A (m)

Heavily deformed mixture of hemipelagic mud and volcanic ash. PAL sample from section base.

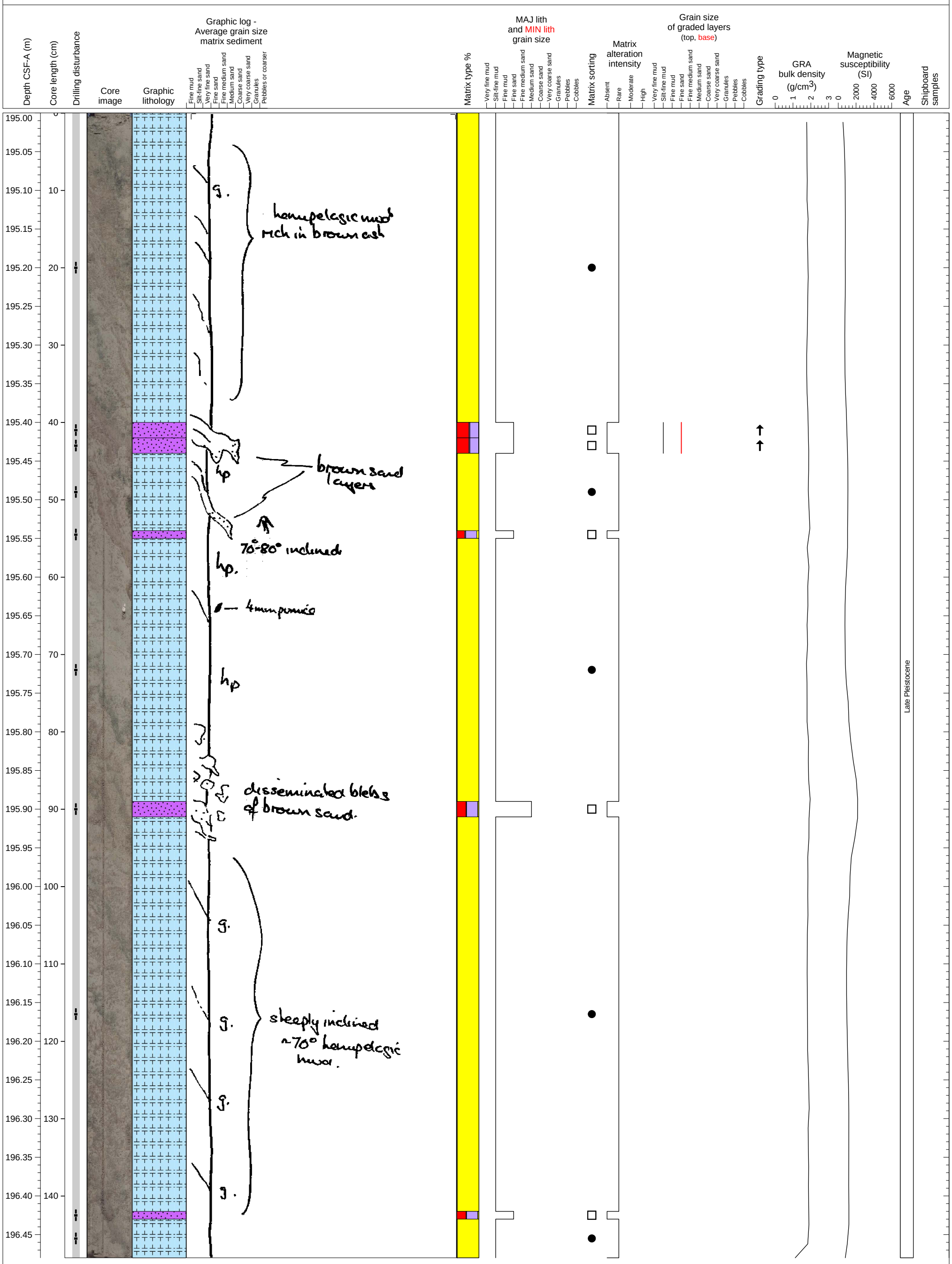
Hole 340-U1400B-27H Section 1, Top of Section: 193.5 CSF-A (m)

Deformed hemipelagic clay interlayered with volcaniclastic sand units.



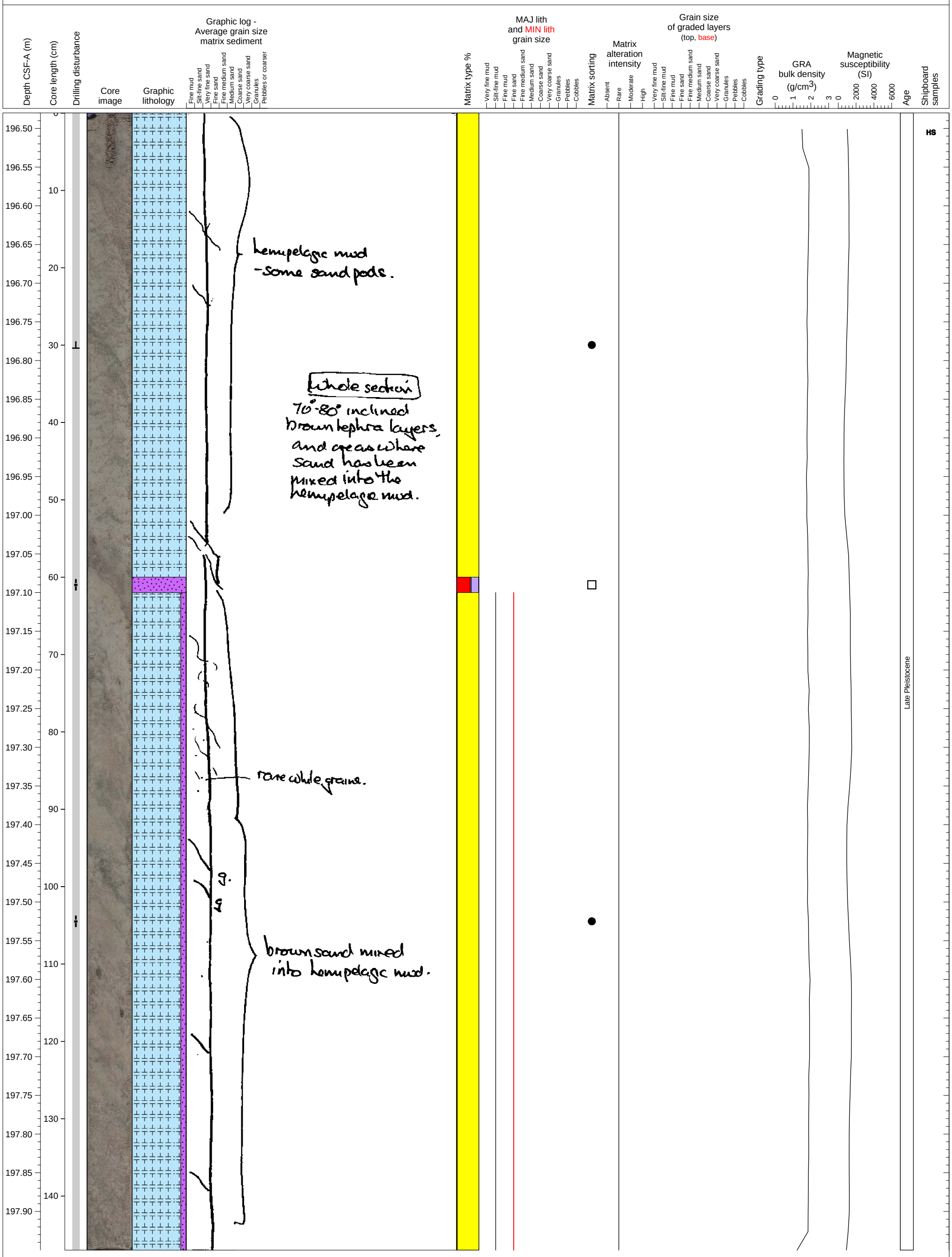
Hole 340-U1400B-27H Section 2, Top of Section: 195.0 CSF-A (m)

Deformed and bioturbated hemipelagic clay interlayered with thin volcaniclastic sand layers.



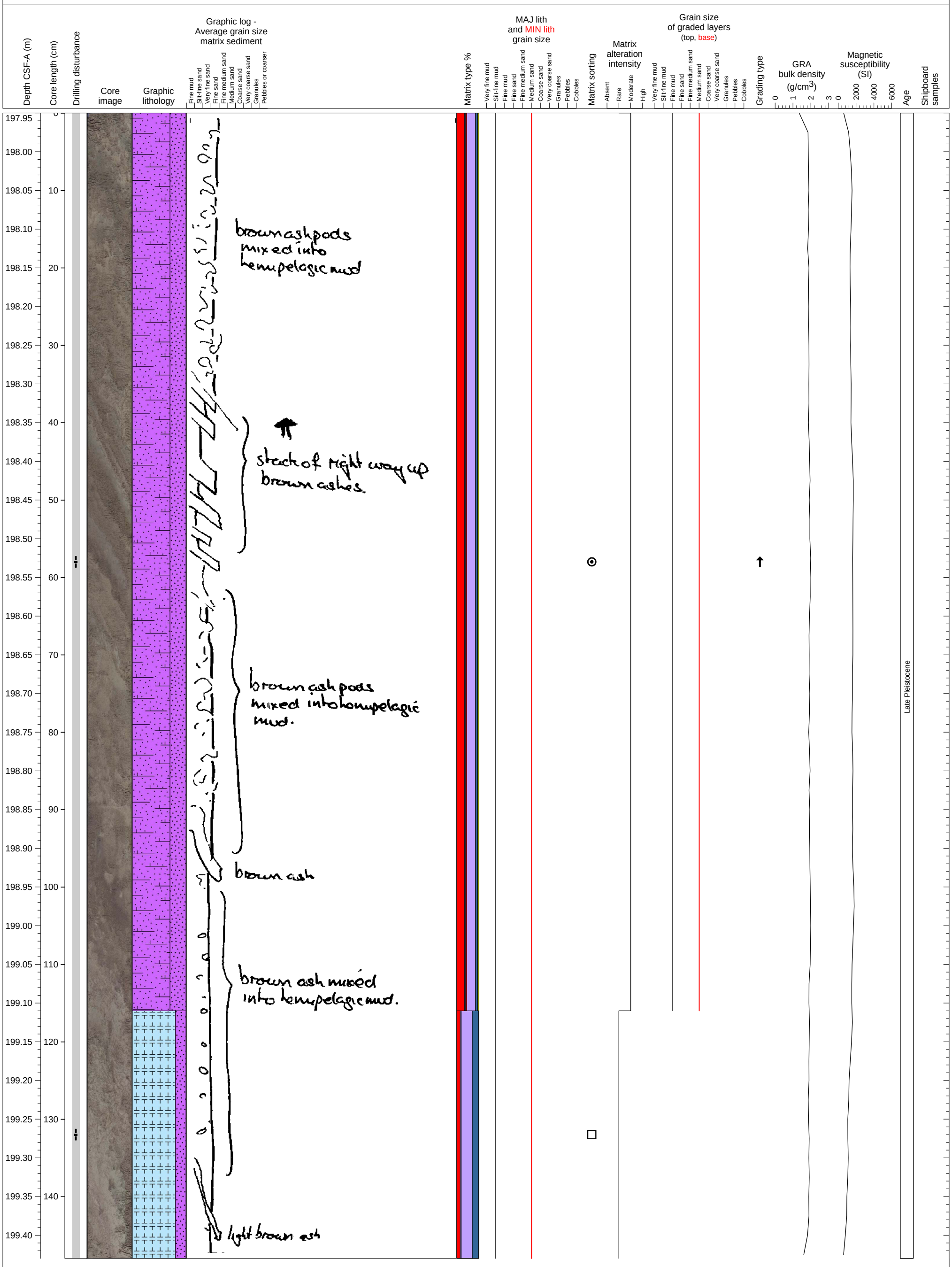
Hole 340-U1400B-27H Section 3, Top of Section: 196.48 CSF-A (m)

Hemipelagic clay interlayered with a thin volcaniclastic sand unit. Hemipelagic clay is partially mixed with fine volcaniclastic sand.



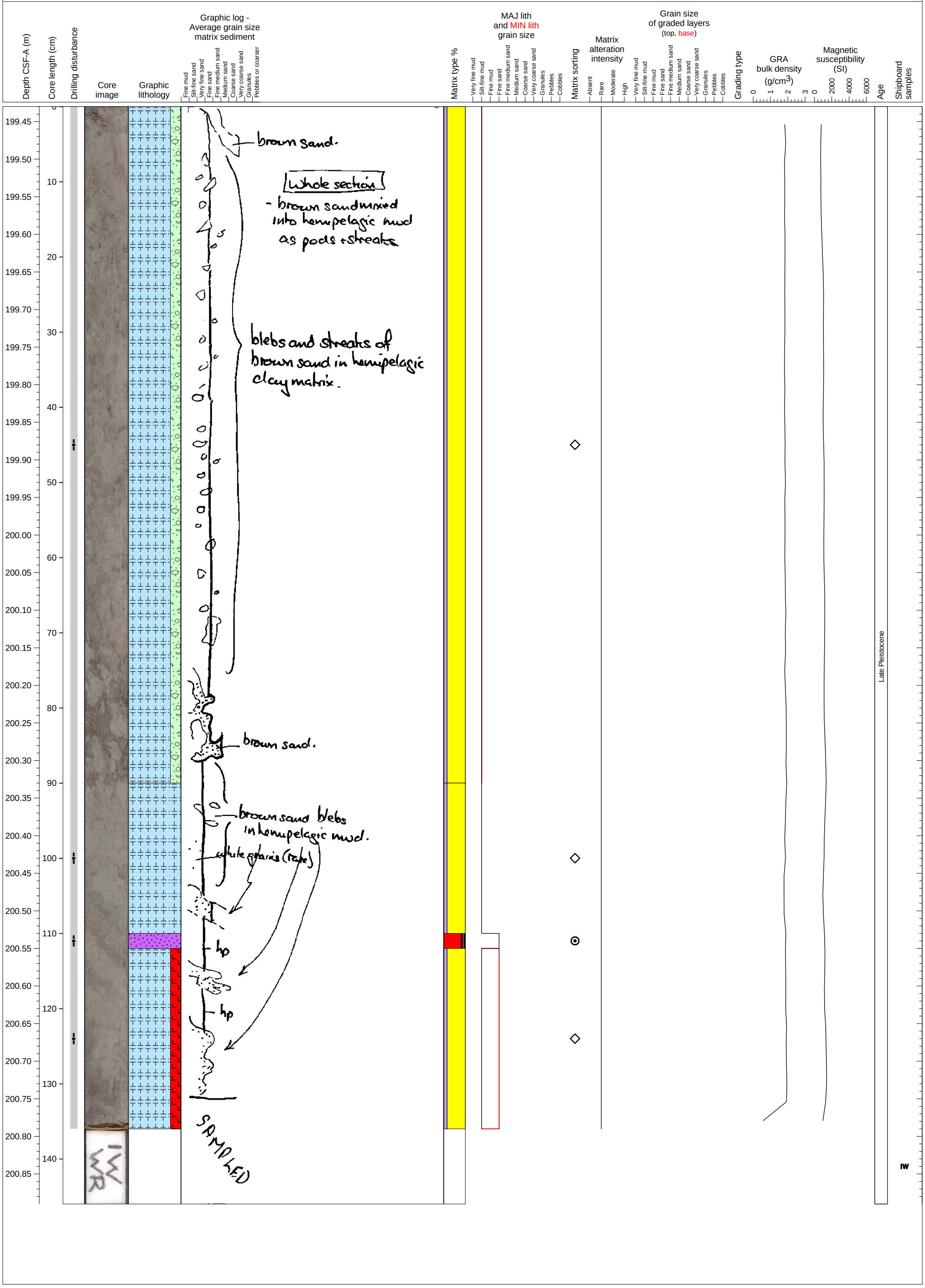
Hole 340-U1400B-27H Section 4, Top of Section: 197.95 CSF-A (m)

Top unit consists of 10+ layers of normally graded volcaniclastic material. This layer is topped with a heavily deformed mixture of the volcaniclastic material. The base of the section consists of a highly deformed mixture of hemipelagic clay and volcaniclastic material.



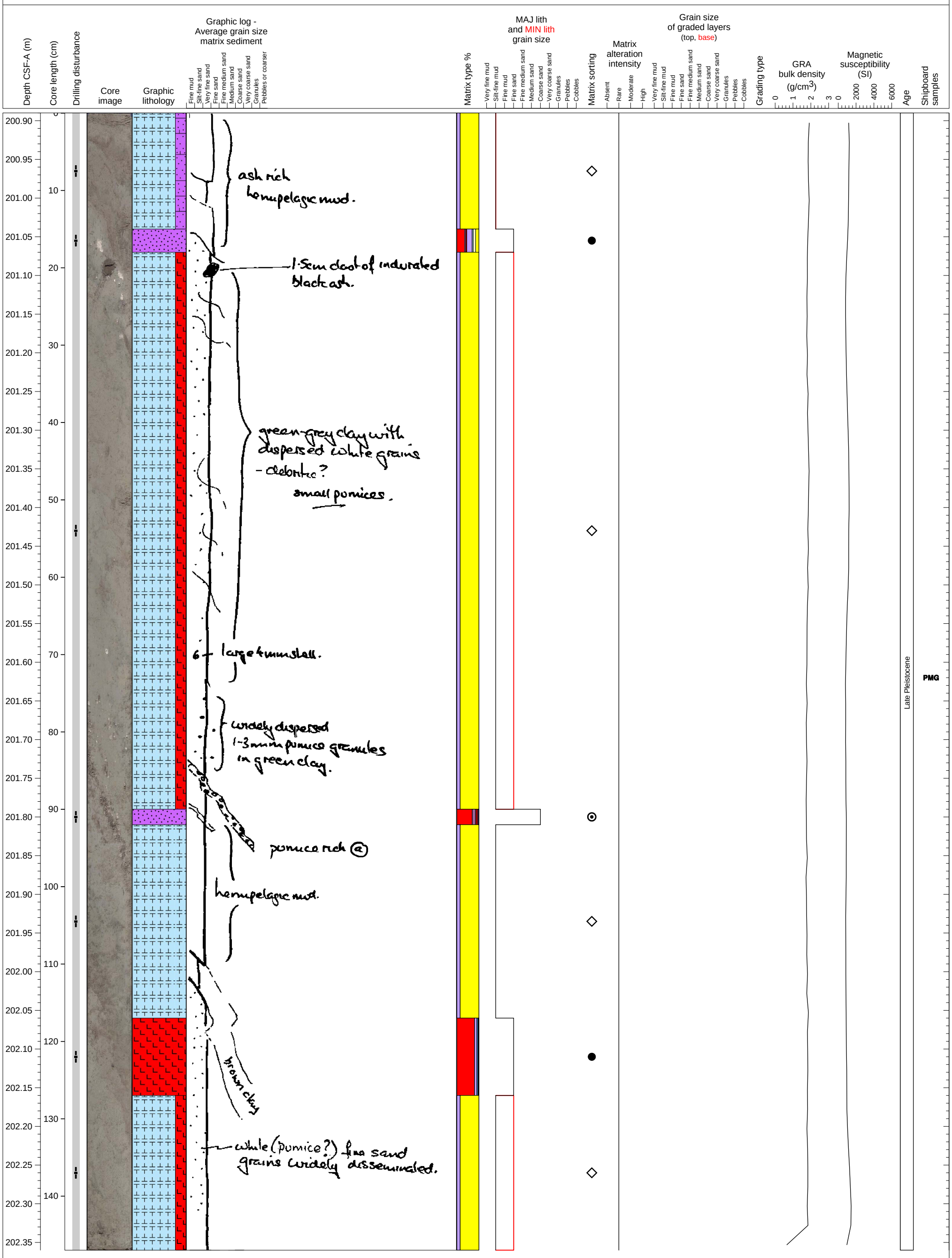
Hole 340-U1400B-27H Section 5, Top of Section: 199.43 CSF-A (m)

Heavily deformed mixtures of hemipelagic clay and ash or muddy sand with thin volcaniclastic layer.



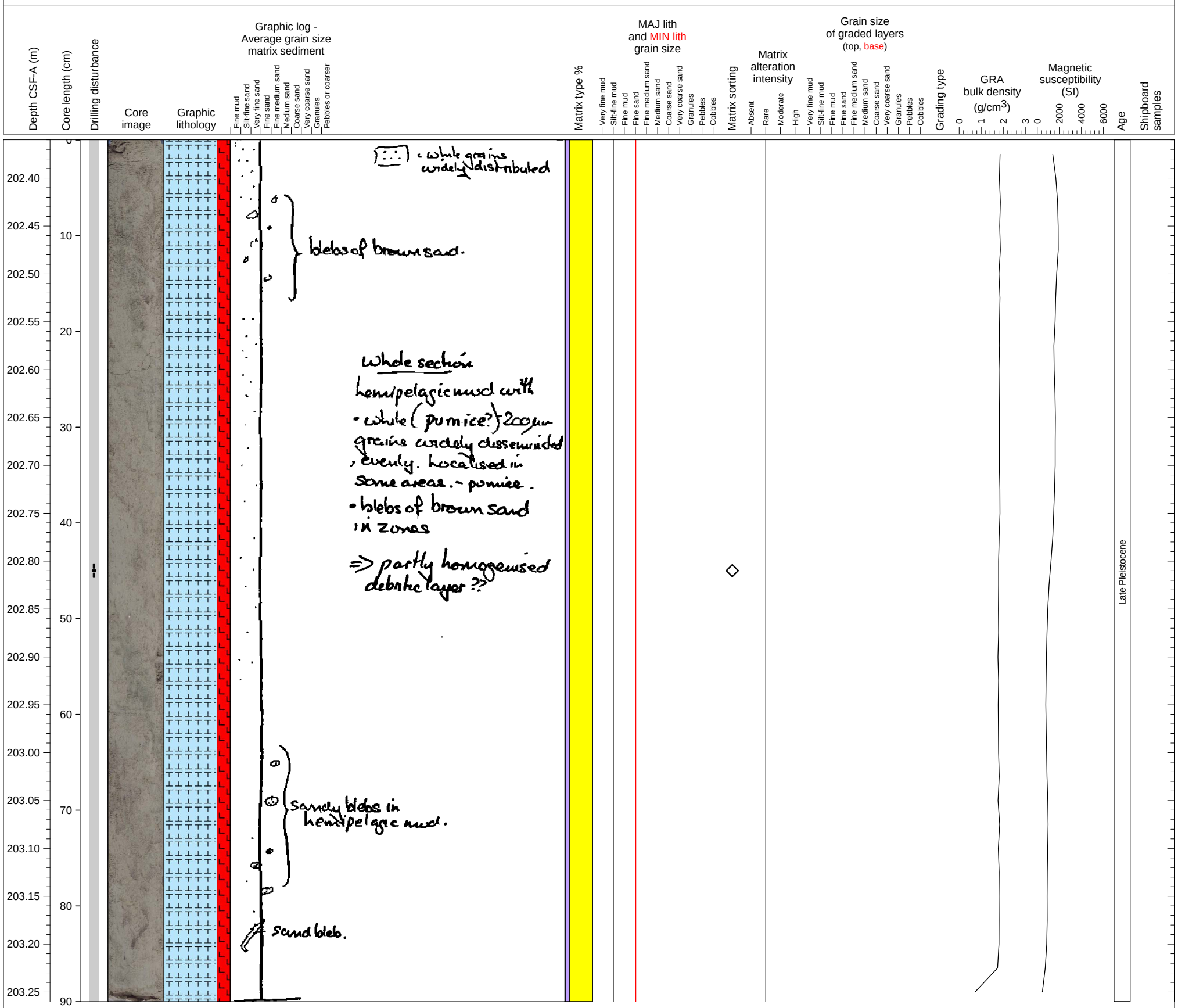
Hole 340-U1400B-27H Section 6, Top of Section: 200.89 CSF-A (m)

Heavily deformed mixtures of hemipelagic clay and volcaniclastic material interlayered with volcaniclastic units.



Hole 340-U1400B-27H Section 7, Top of Section: 202.36 CSF-A (m)

Heavily deformed mixture of hemipelagic clay and ash.

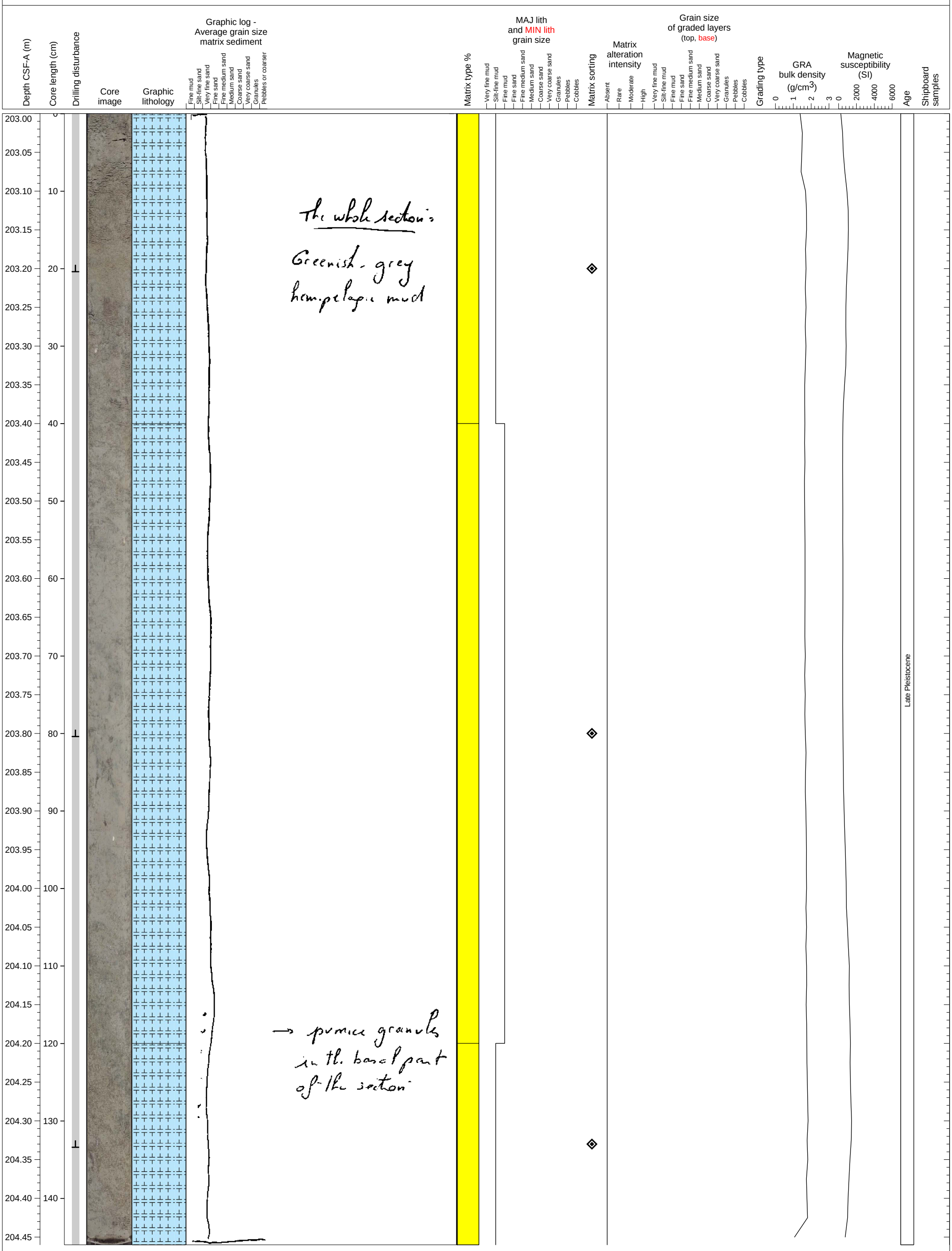


Hole 340-U1400B-27H Section CC, Top of Section: 203.26 CSF-A (m)

Hemipelagic clay. PAL sample from section base.

Hole 340-U1400B-28H Section 1, Top of Section: 203.0 CSF-A (m)

Hemipelagic mud.



Hole 340-U1400B-28H Section 2, Top of Section: 204.46 CSF-A (m)

Hemipelagic sediment with intercalated ash layers

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

204.50
204.55
204.60
204.65
204.70
204.75
204.80
204.85
204.90
204.95
205.00
205.05
205.10
205.15
205.20
205.25
205.30
205.35
205.40
205.45
205.50
205.55
205.60
205.65
205.70
205.75
205.80
205.85
205.90

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

Green to dark grey hemipelagic mud

HD

- tephra layer highly deformed (inclined at 70°)

- patch of volcanic sand

Mottled green-grey hemipelagic mud

HP

Disturbed volcanic layer (→ bioturbation?)
(20% pumices
10% mass. flows)
50% crystals
20% carbonate)

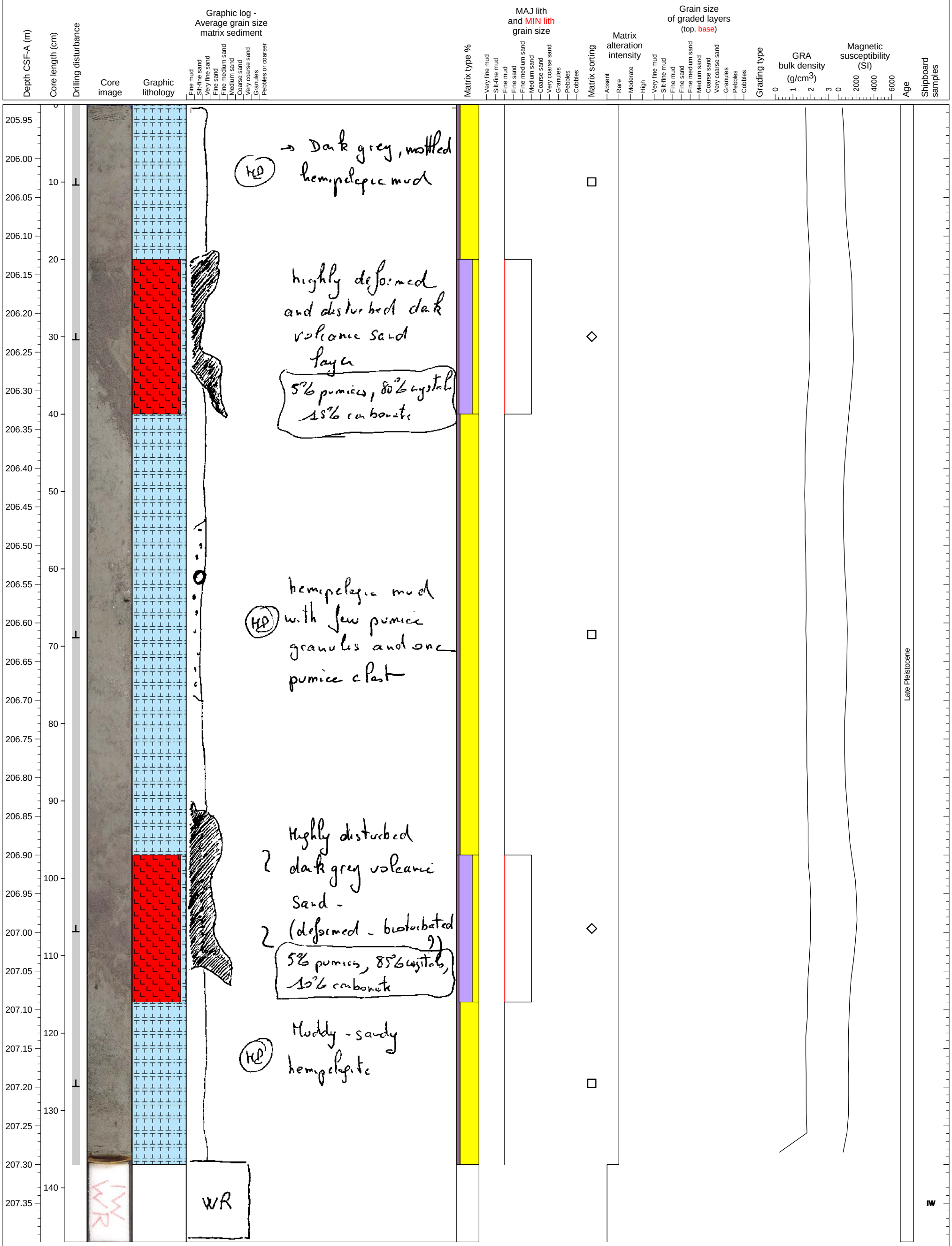
HP

Late Pleistocene

MADC
CRB
PMG

Hole 340-U1400B-28H Section 3, Top of Section: 205.93 CSF-A (m)

Hemipelagic sediments mixed with ash layers. Chaotic sediment.



Hole 340-U1400B-28H Section 4, Top of Section: 207.4 CSF-A (m)

Hemipelagic sediments mixed with ash layers. Chaotic sediment.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples
HS

207.40 0
207.45
207.50 10
207.55
207.60 20
207.65
207.70 30
207.75
207.80 40
207.85
207.90 50
207.95
208.00 60
208.05
208.10 70
208.15
208.20 80
208.25
208.30 90
208.35
208.40 100
208.45
208.50 110
208.55
208.60 120
208.65
208.70 130
208.75
208.80 140
208.85

HP Dark grey - grey hemipelagic mud

HP Greenish grey hemipelagic mud

2 Reddish grey volcanic fayer (bioturbated)

HP Green-grey HP

volcanic sand highly bioturbated

Late Pleistocene

Hole 340-U1400B-28H Section 5, Top of Section: 208.86 CSF-A (m)

Bioturbated hemipelagic mud and volcaniclastic sand beds.

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

208.90
208.95
209.00
209.05
209.10
209.15
209.20
209.25
209.30
209.35
209.40
209.45
209.50
209.55
209.60
209.65
209.70
209.75
209.80
209.85
209.90
209.95
210.00
210.05
210.10
210.15
210.20
210.25
210.30

10
20
30
40
50
60
70
80
90
100
110
120
130
140

Grey hemipelagic mud

hemipelagic mud with pumice granules + 1 pumice clast

HP

? Reddish grey volcanic sand Layer → tephra layer (bioturbation at the top)

10% pumices
5% massive lavas
75% crystals
5% clays
5% carbonates

HP

→ Mottled HP

highly disturbed volcanic sand → tephra ?

10% pumices
5% massive lavas
65% crystals
5% clays
15% carbonates

HP

→ tephra layer

Late Pleistocene

Hole 340-U1400B-28H Section 6, Top of Section: 210.32 CSF-A (m)

Hemipelagic sediment intercalated with several volcanic ash layers

Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith grain size
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Matrix sorting
Matrix alteration intensity
Absent
Rare
Moderate
High
Grain size of graded layers (top, base)
Very fine mud
Silt-fine mud
Fine mud
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles
Cobbles
Grading type
GRA bulk density (g/cm3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

210.35
210.40
210.45
210.50
210.55
210.60
210.65
210.70
210.75
210.80
210.85
210.90
210.95
211.00
211.05
211.10
211.15
211.20
211.25
211.30
211.35
211.40
211.45
211.50
211.55
211.60
211.65
211.70
211.75

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

Poorly deformed

Muddy - sandy hemipelagite with few pumice granules and clasts

HP

Two tephra layers

10% pumices
75% crystals
10% others
5% carbonates

Thick tephra layer
The upper part is disturbed.

Highly mottled greenish - brownish grey hemipelagic mud

HED

Small tephra layer

→ few pumice granules

HP

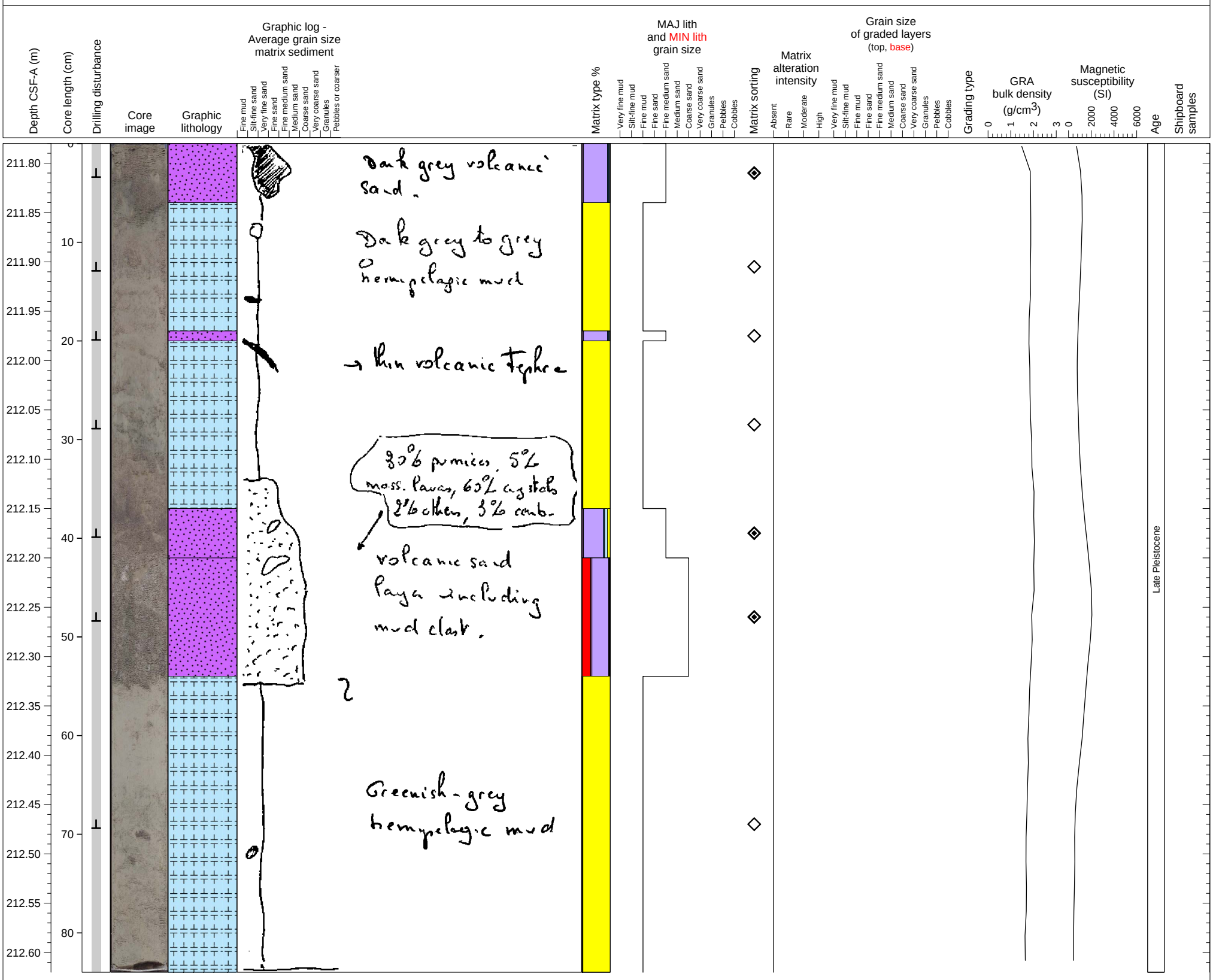
Mottled hemipelagic mud

Late Pleistocene

MADC
CRB
PMG

Hole 340-U1400B-28H Section 7, Top of Section: 211.78 CSF-A (m)

Volcaniclastic sand beds in hemipelagic mud.



Hole 340-U1400B-28H Section CC, Top of Section: 212.62 CSF-A (m)

Hemipelagic mud in CC