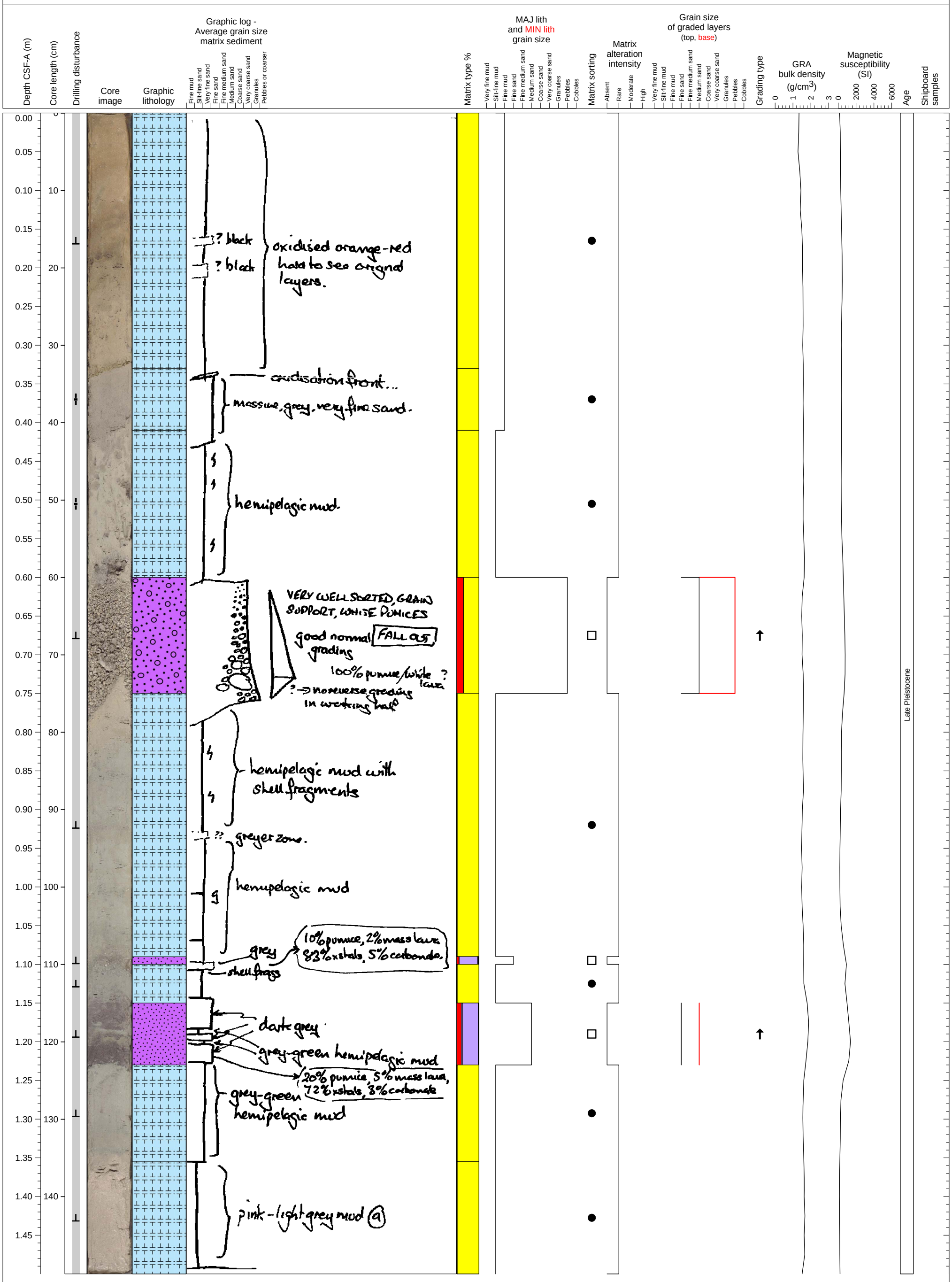
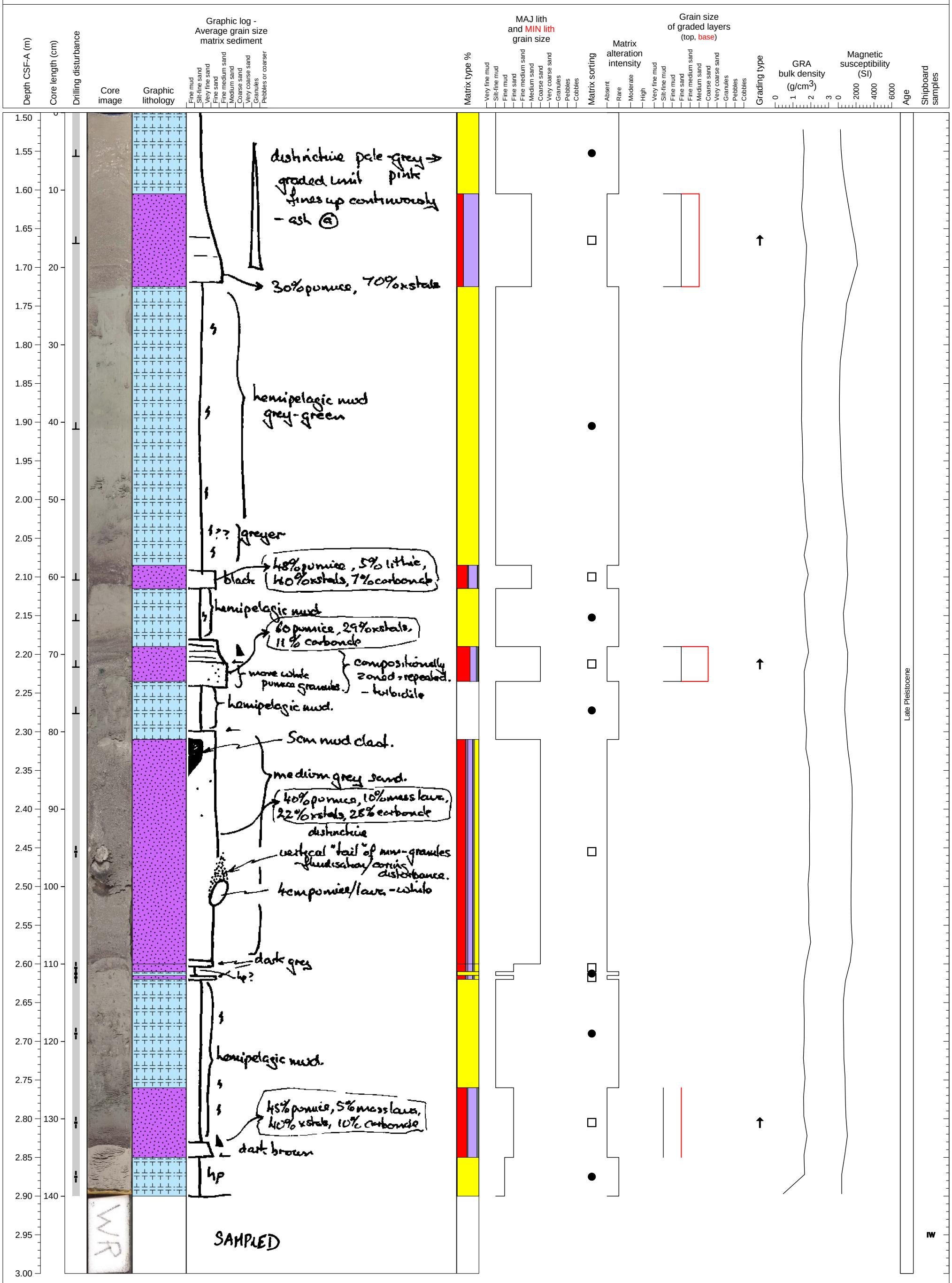
Hole 340-U1399B-1H Section 1, Top of Section: 0.0 CSF-A (m)

Hemipelagic mud interlayered with normally graded pumice fallout and volcaniclastic sand layer.



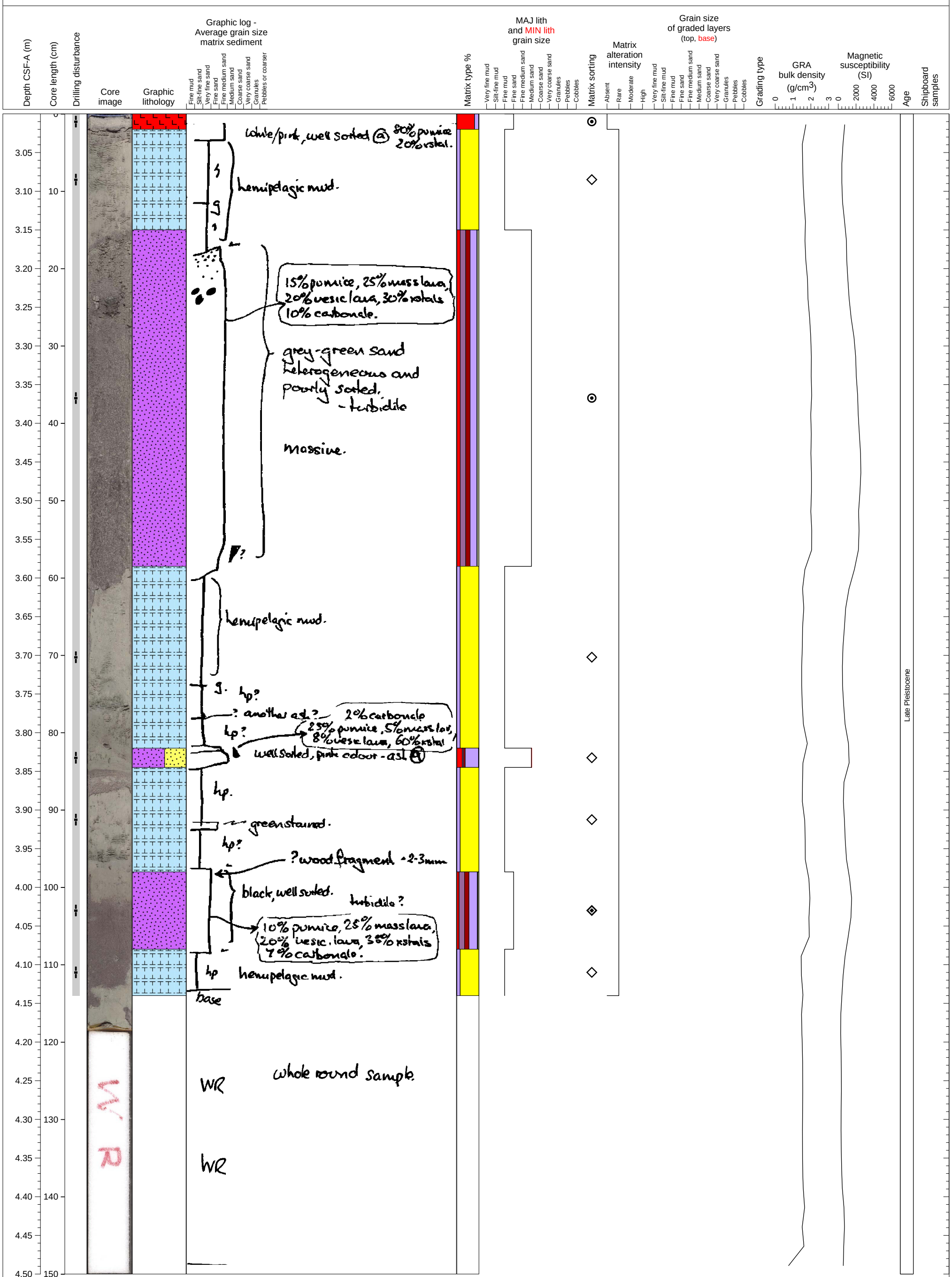
Hole 340-U1399B-1H Section 2, Top of Section: 1.5 CSF-A (m)

Volcaniclastic sand layers intercalating with hemipelagic sediments. In the middle of section there is a thick turbidite with pumice clasts and one with compositional lamination.



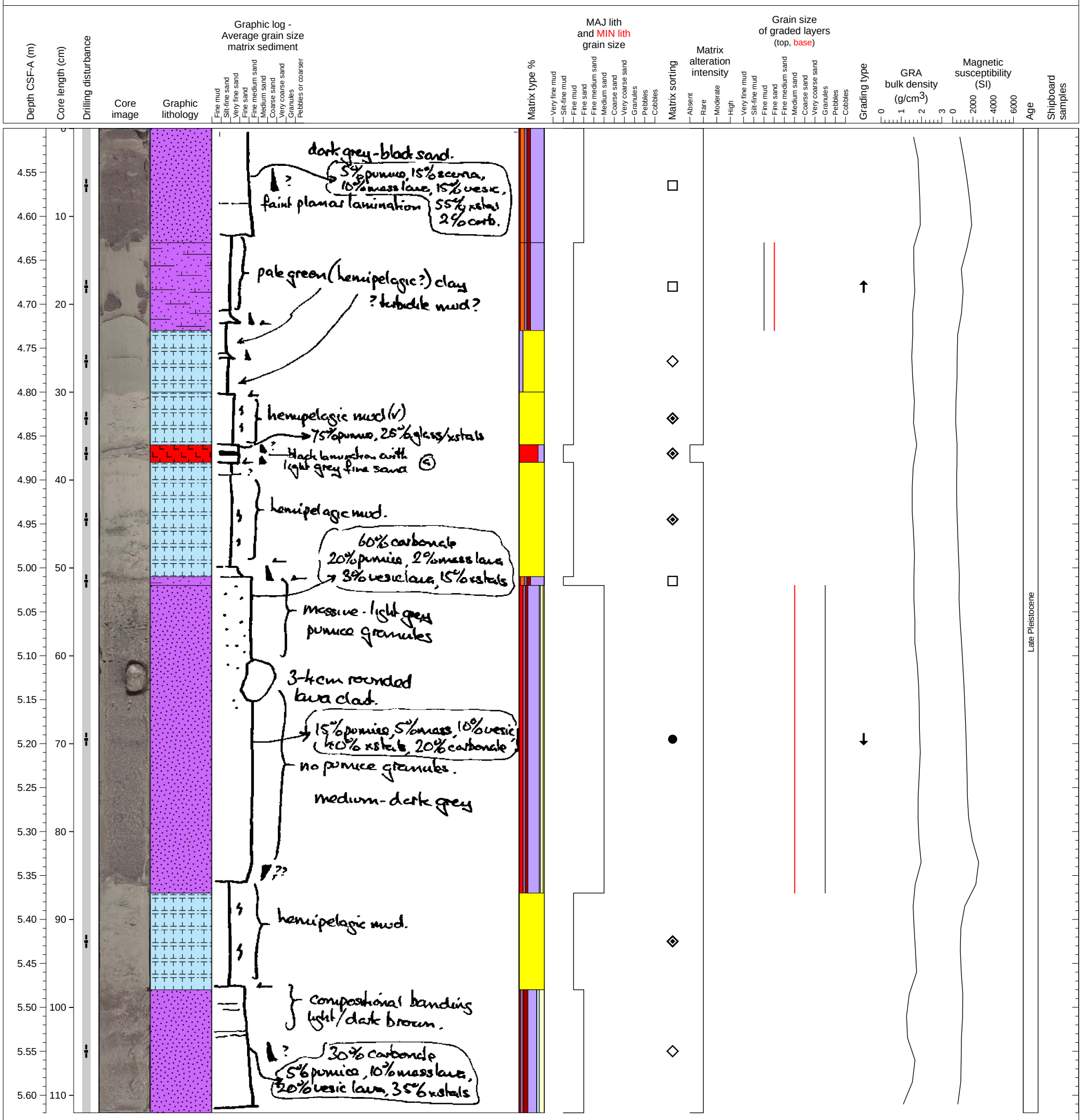
Hole 340-U1399B-1H Section 3, Top of Section: 3.0 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand units.



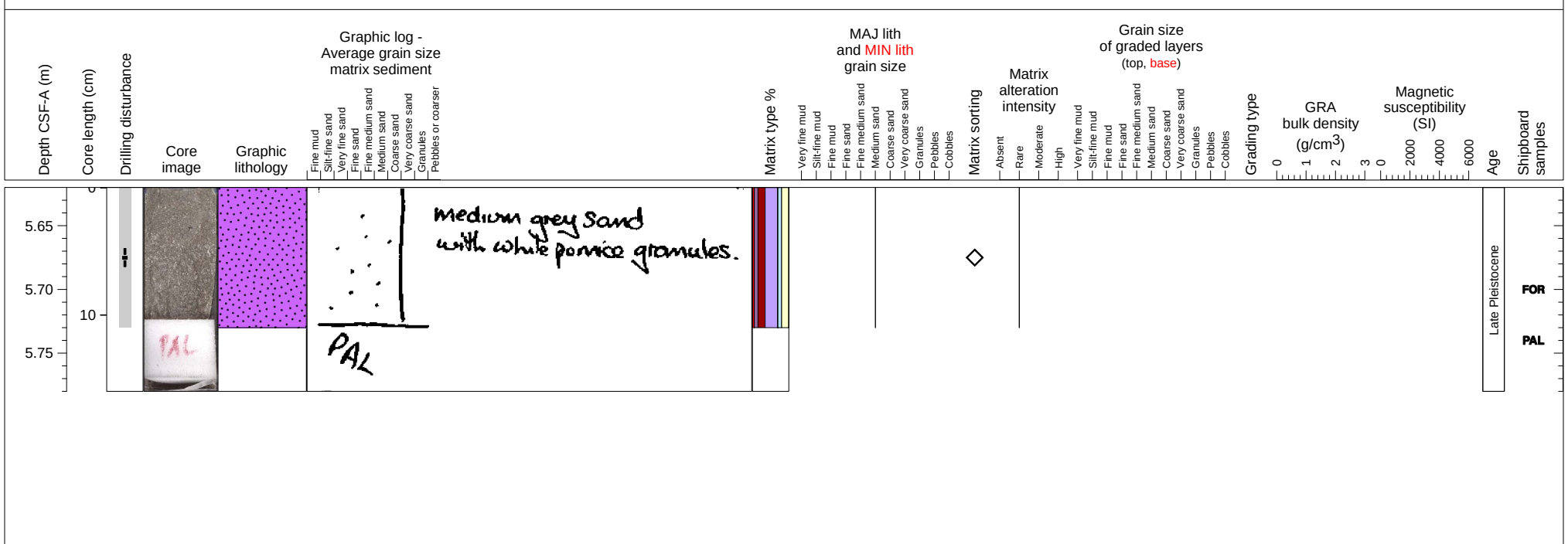
Hole 340-U1399B-1H Section 4, Top of Section: 4.5 CSF-A (m)

Volcaniclastic sand beds and hemipelagite, with 1 thin ash layer.



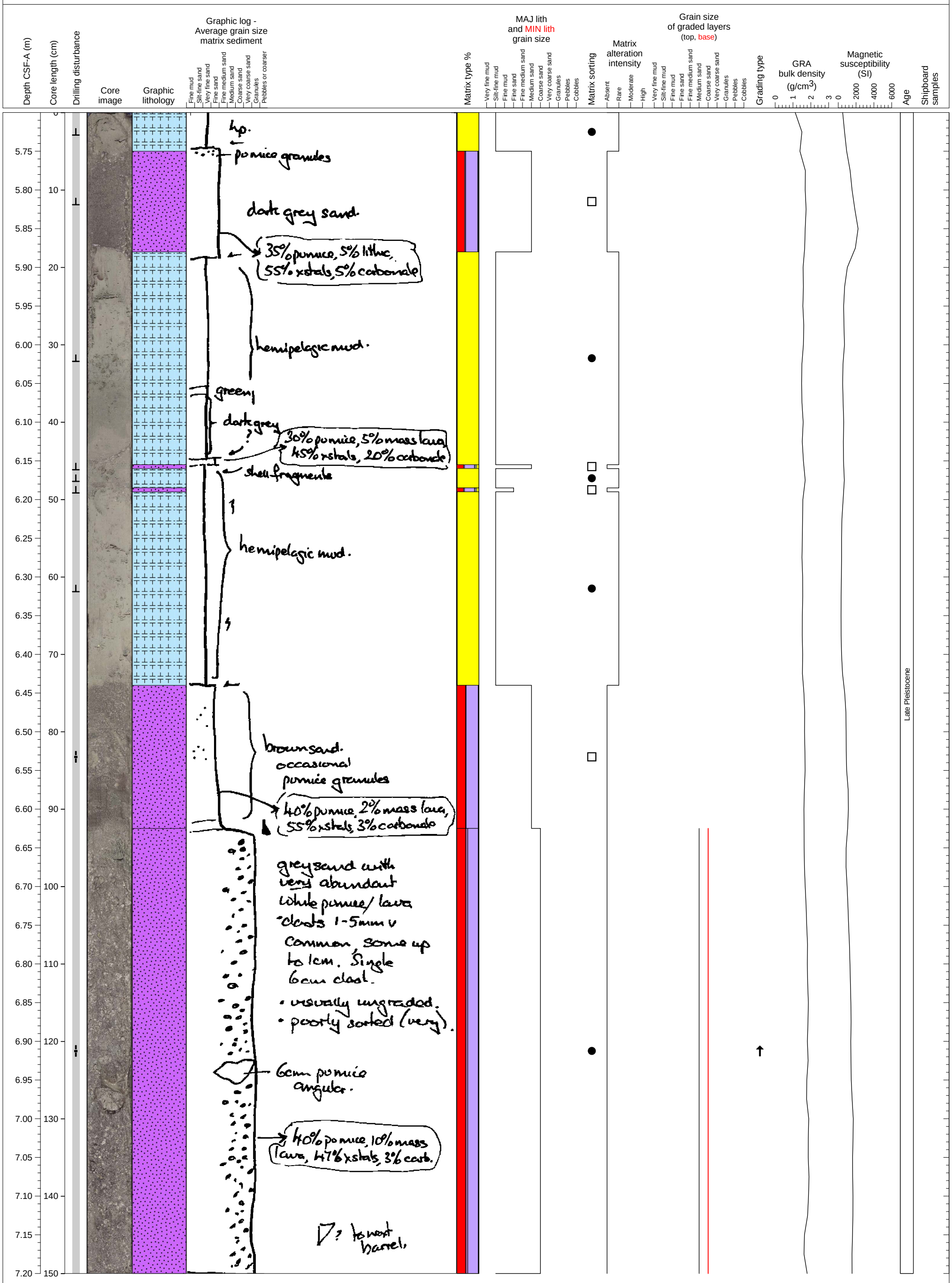
Hole 340-U1399B-1H Section CC, Top of Section: 5.62 CSF-A (m)

Volcaniclastic sand with pumice clasts. PAL sample from base.



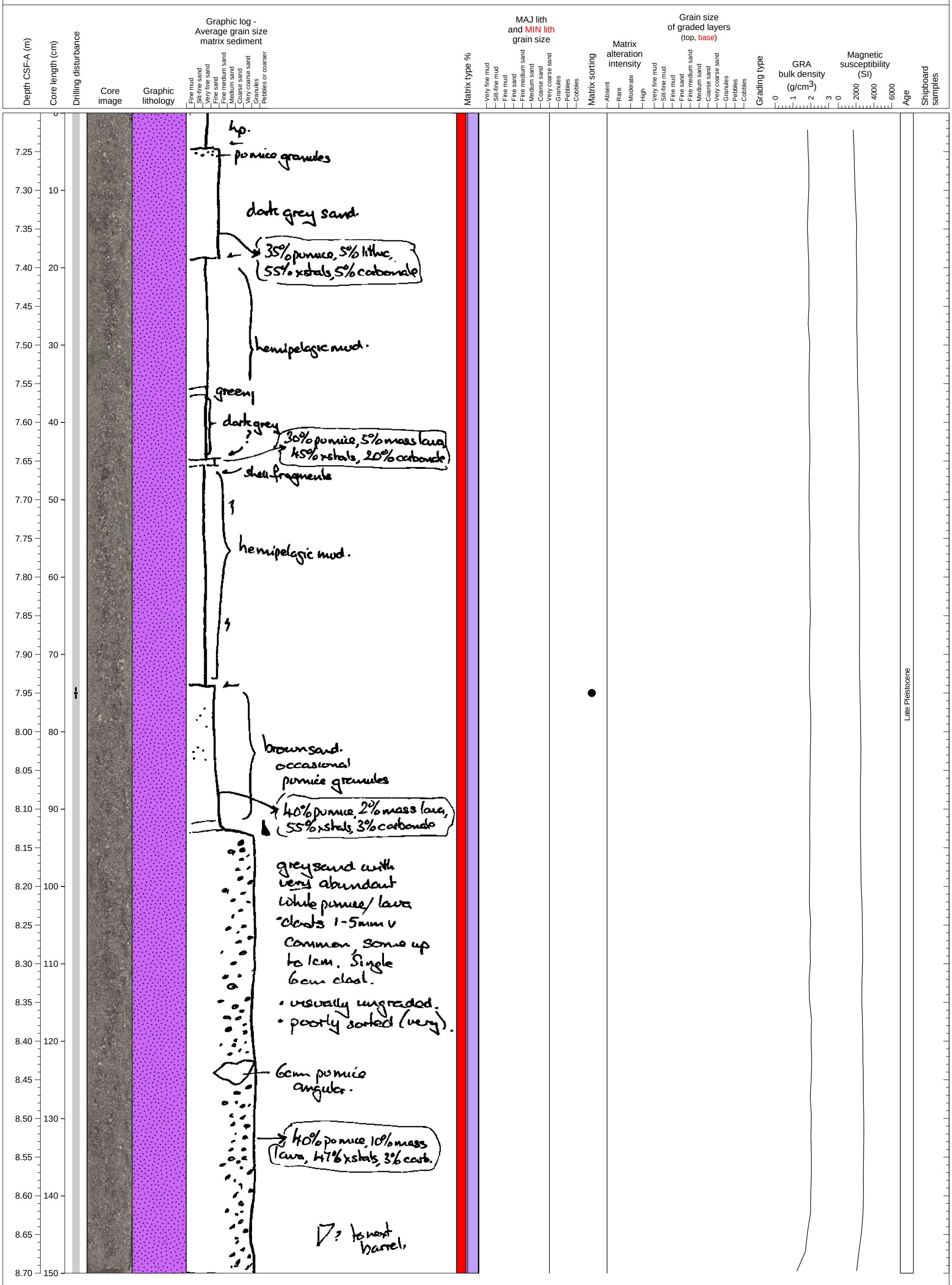
Hole 340-U1399B-2H Section 1, Top of Section: 5.7 CSF-A (m)

Hemipelagic sediments interlayered with volcanic sand units and a top of massive pumiceous turbidite continuing section 2.



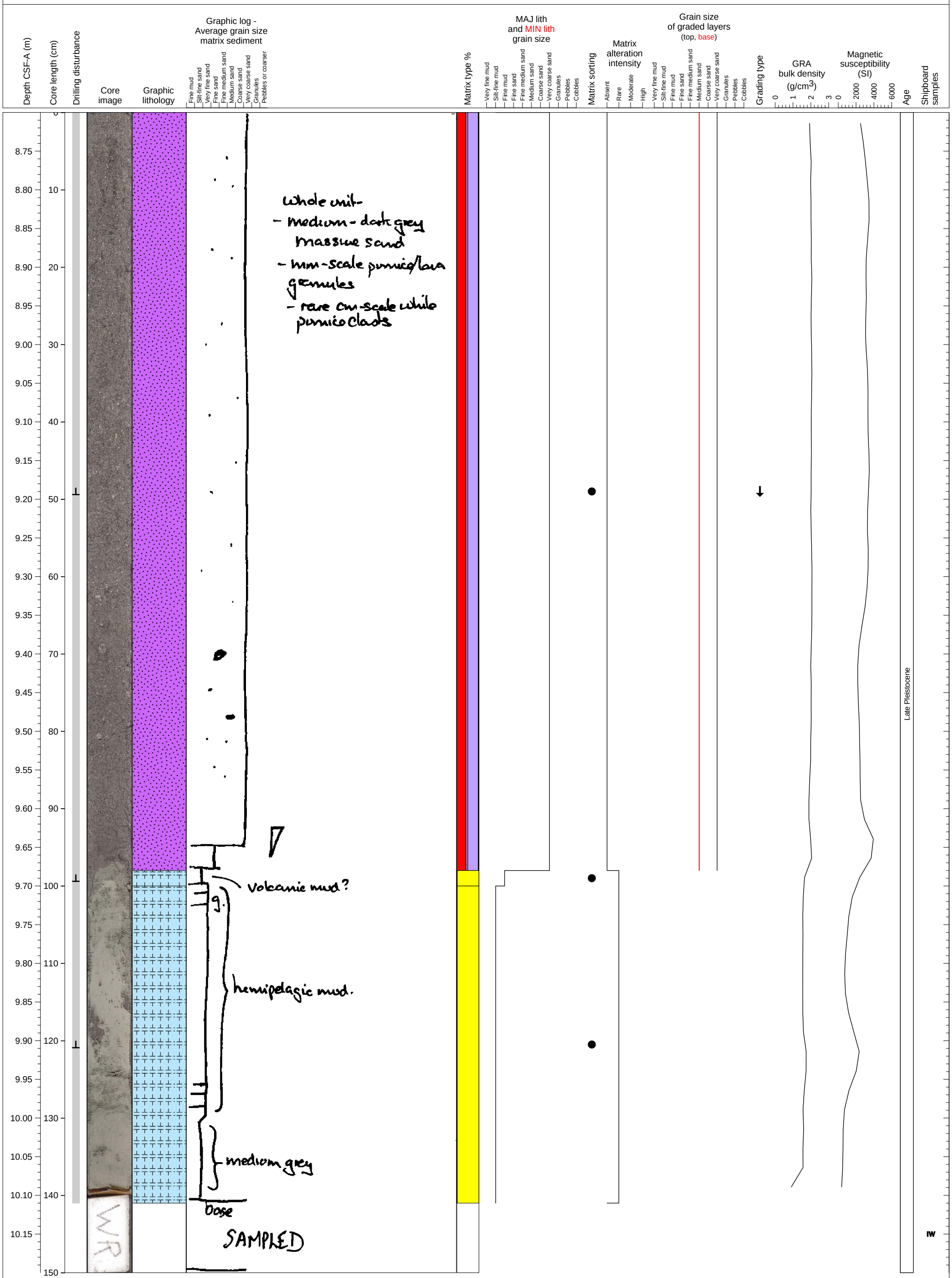
Hole 340-U1399B-2H Section 2, Top of Section: 7.2 CSF-A (m)

Part of massive pumiceous turbidite.



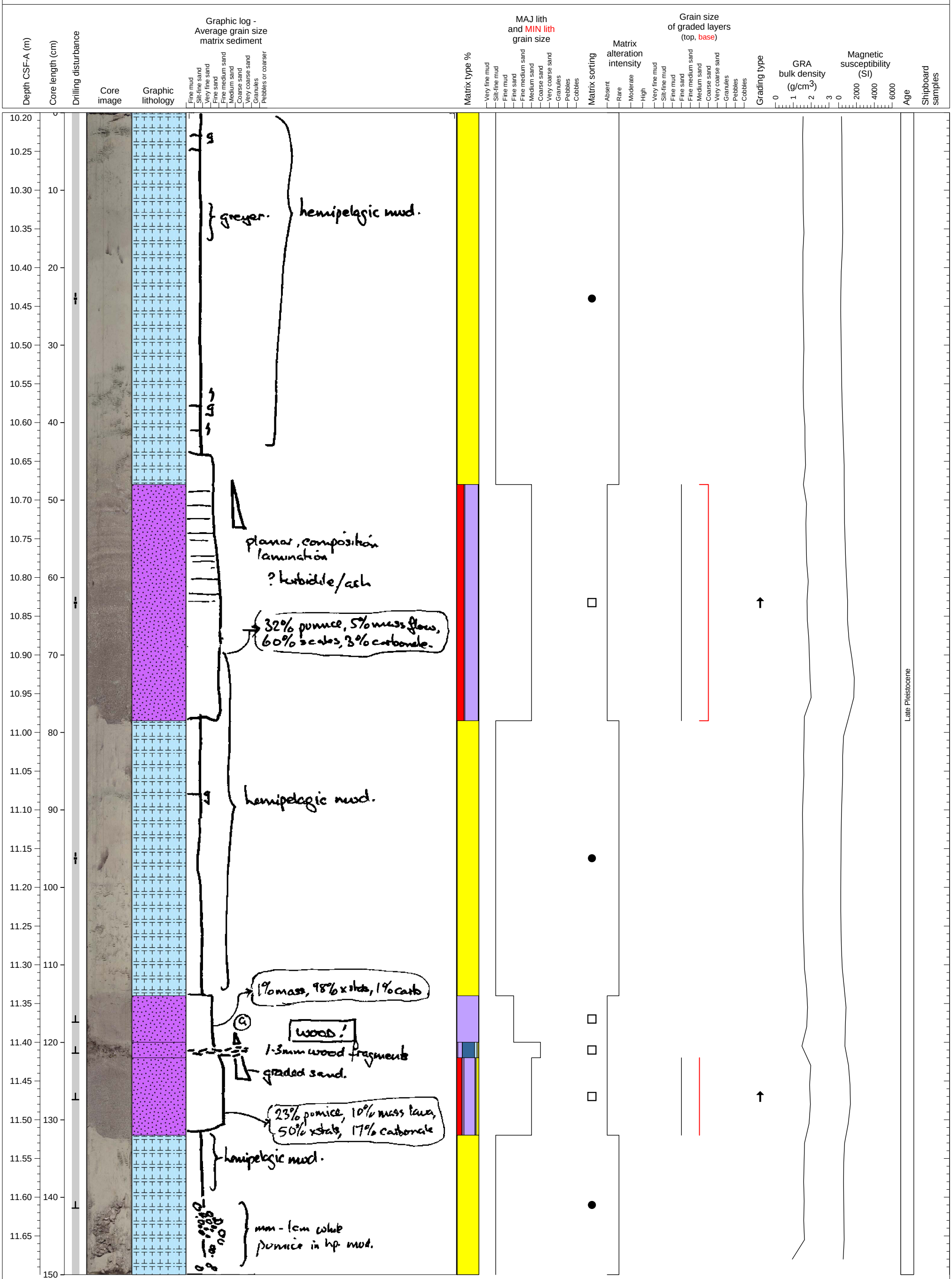
Hole 340-U1399B-2H Section 3, Top of Section: 8.7 CSF-A (m)

Bottom of massive pumiceous turbidite overlying hemipelagic clay.



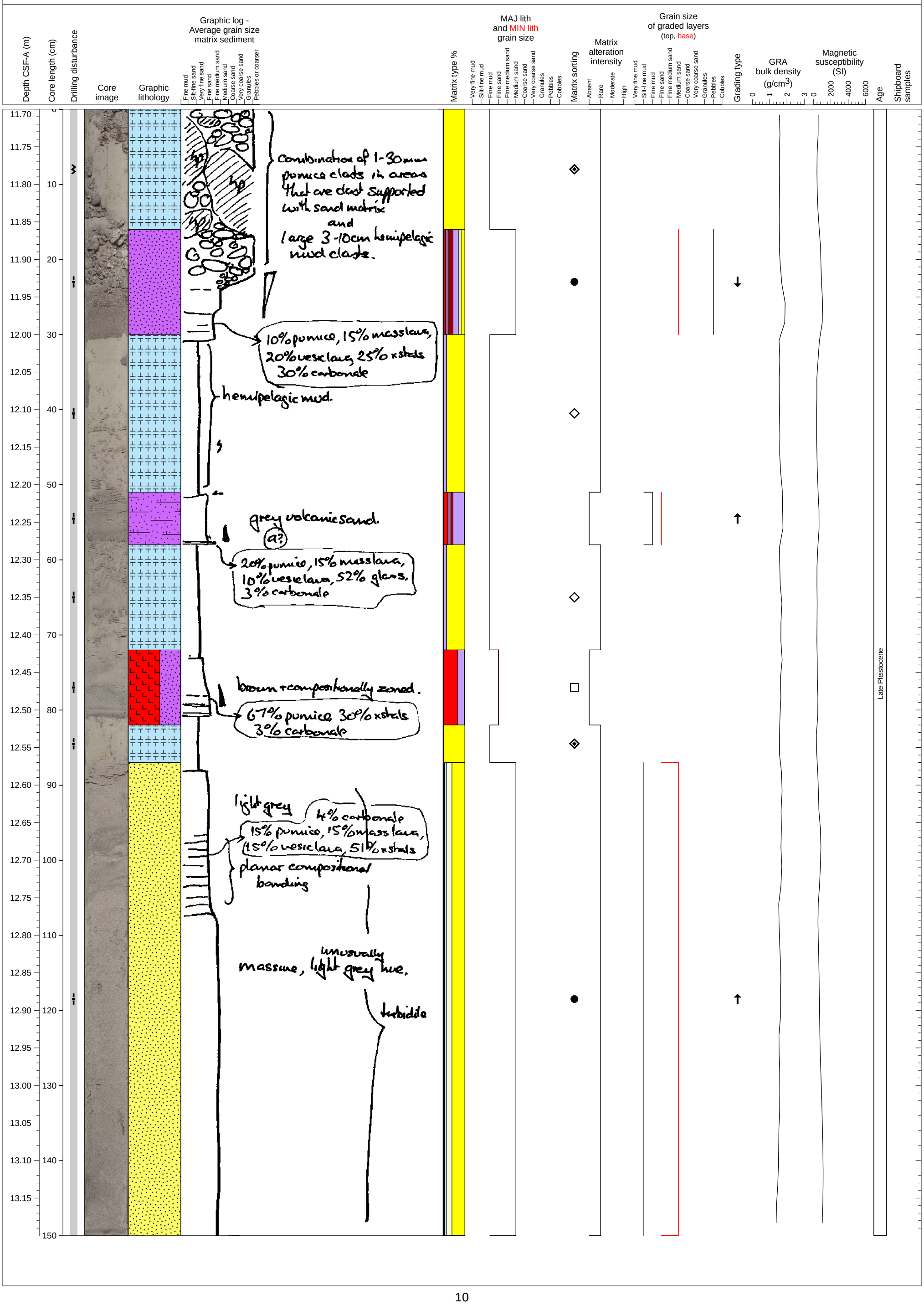
Hole 340-U1399B-2H Section 4, Top of Section: 10.2 CSF-A (m)

Hemipelagic sediment interlayered with two volcaniclastic turbidite units. Organic material is interbedded in the lower volaniclastic layers.



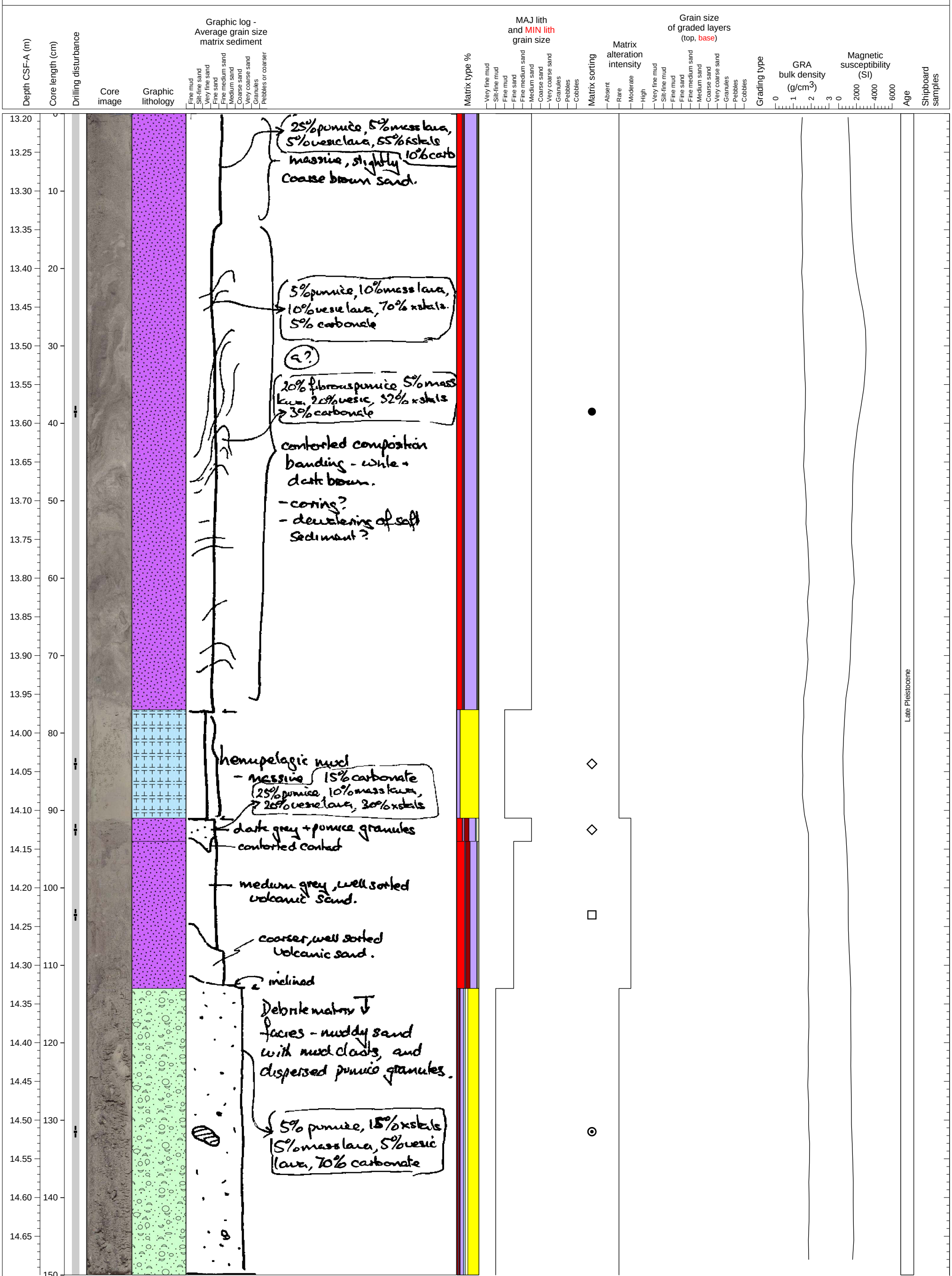
Hole 340-U1399B-2H Section 5, Top of Section: 11.7 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic and bioclastic sand-mud units, several of which display both normal and reverse grading. A mixed ash-volcaniclastic sand unit is present.



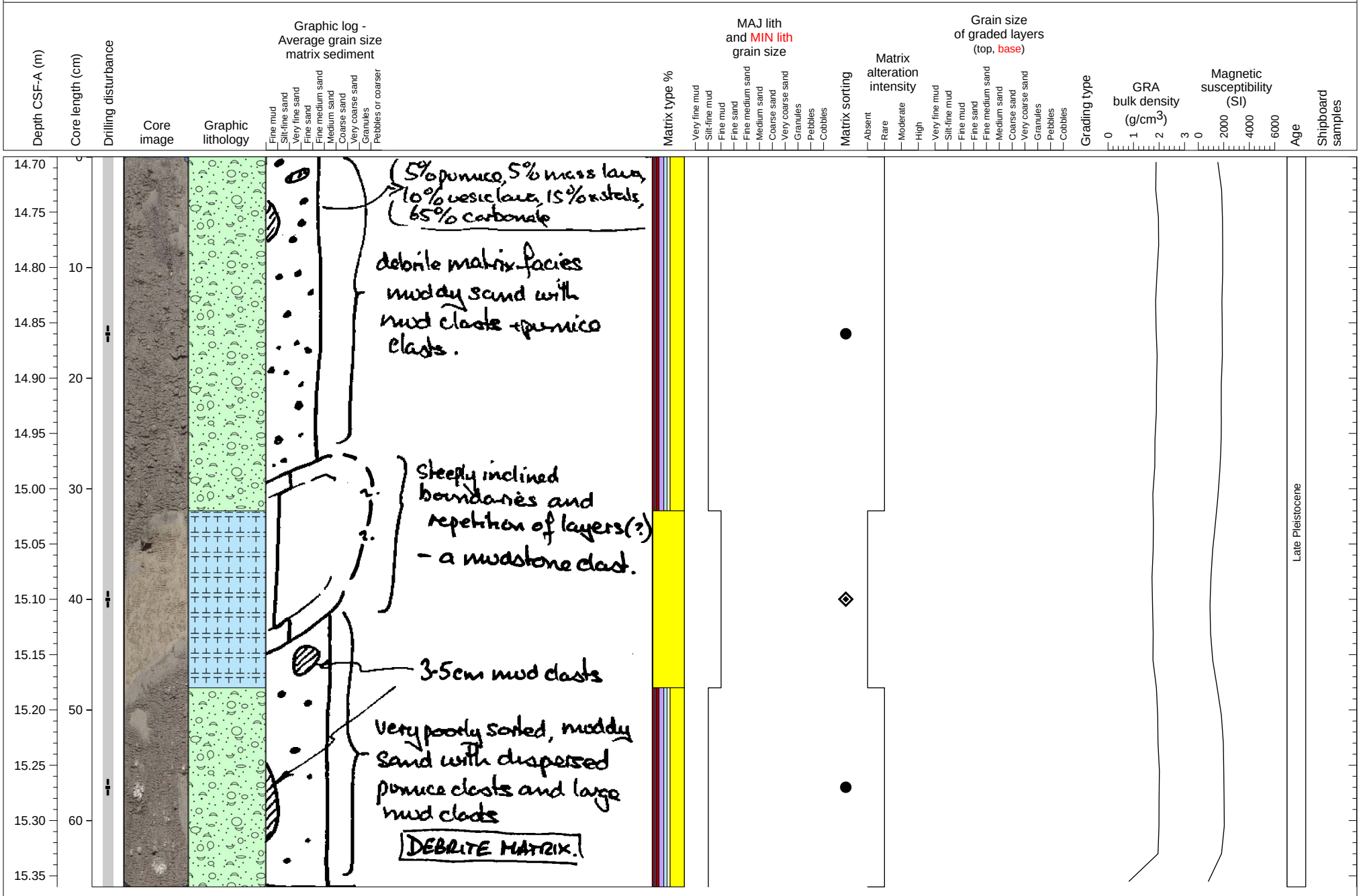
Hole 340-U1399B-2H Section 6, Top of Section: 13.2 CSF-A (m)

Volcaniclastic sand units interlayered with hemipelagic clay on top of clast-rich muddy sand chaotic unit.



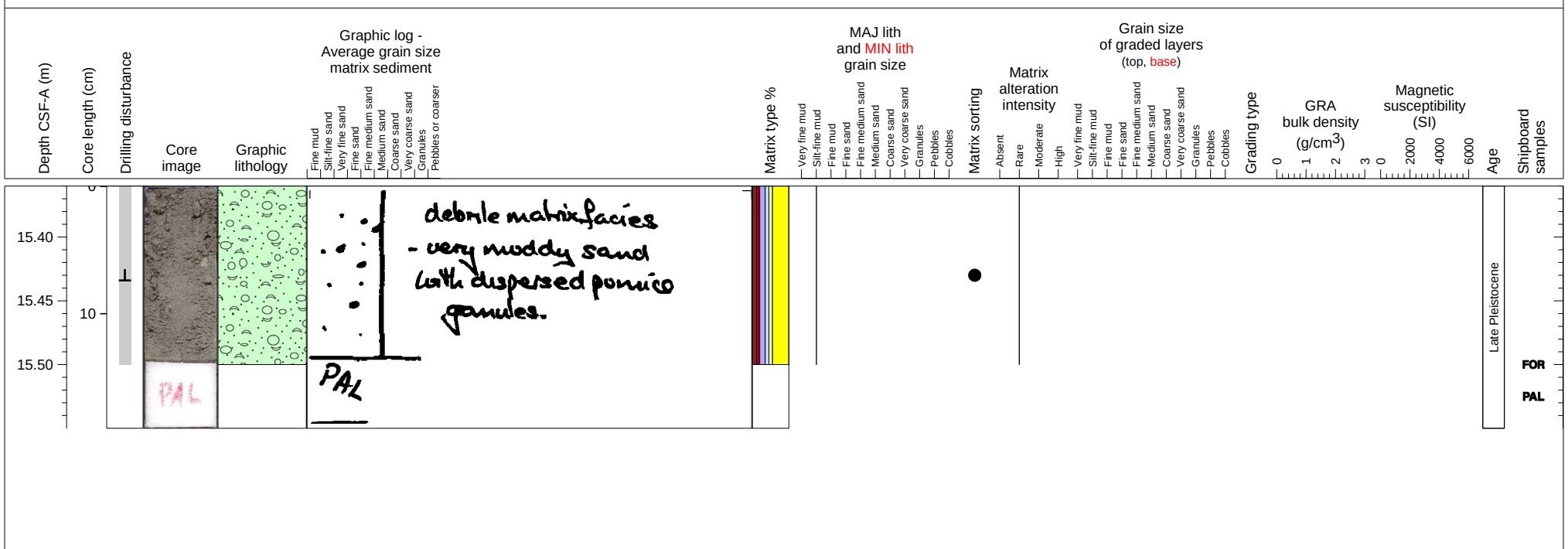
Hole 340-U1399B-2H Section 7, Top of Section: 14.7 CSF-A (m)

Clast-rich muddy sand chaotic unit. Hemipelagic layer is likely a clast within this unit.



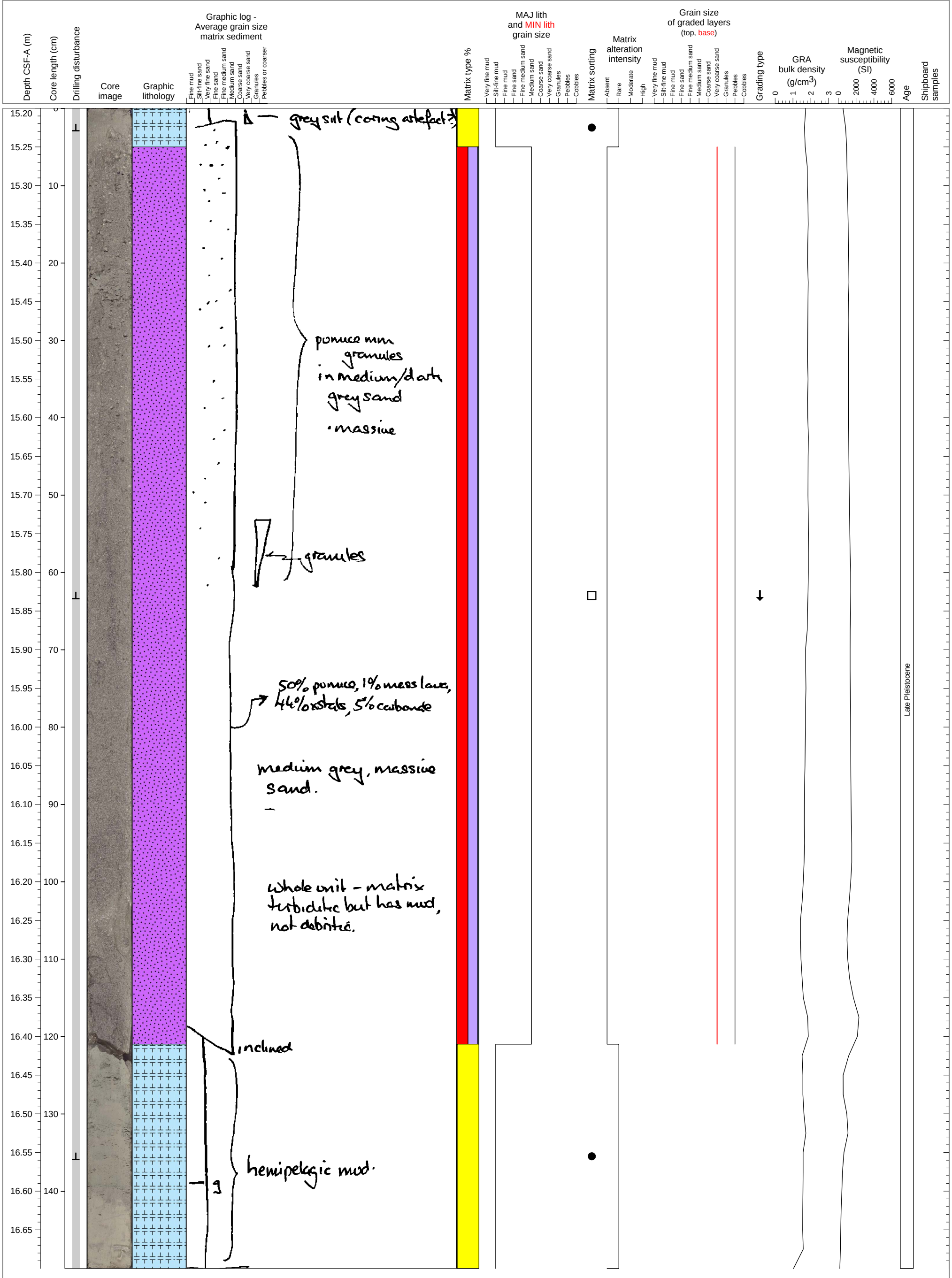
Hole 340-U1399B-2H Section CC, Top of Section: 15.36 CSF-A (m)

Pumice clast-rich muddy sand unit (chaotic unit). PAL sample from base.



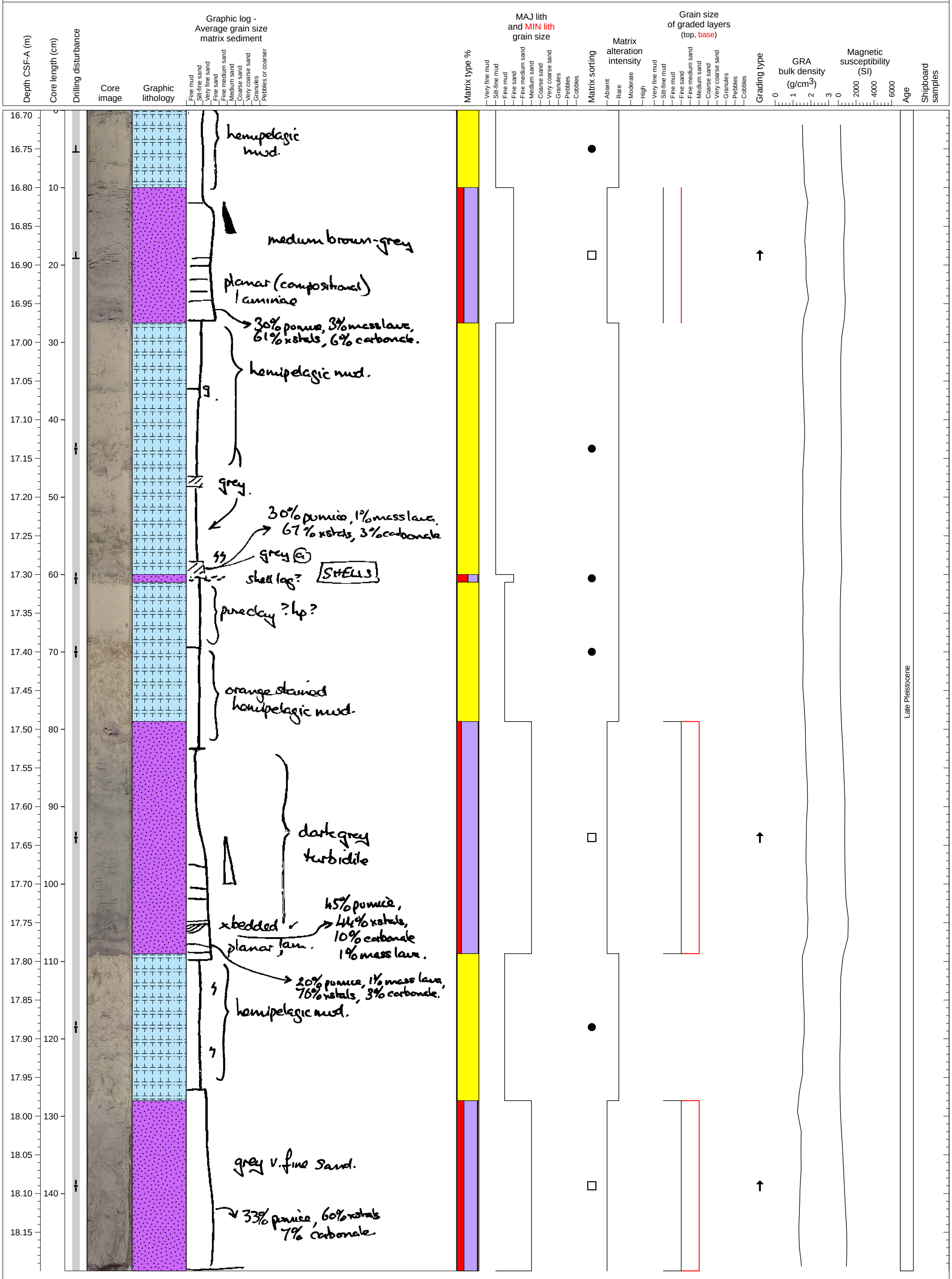
Hole 340-U1399B-3H Section 1, Top of Section: 15.2 CSF-A (m)

Massive volcaniclastic turbidite with reverse grading of pumice clasts, overlying hemipelagic clay.



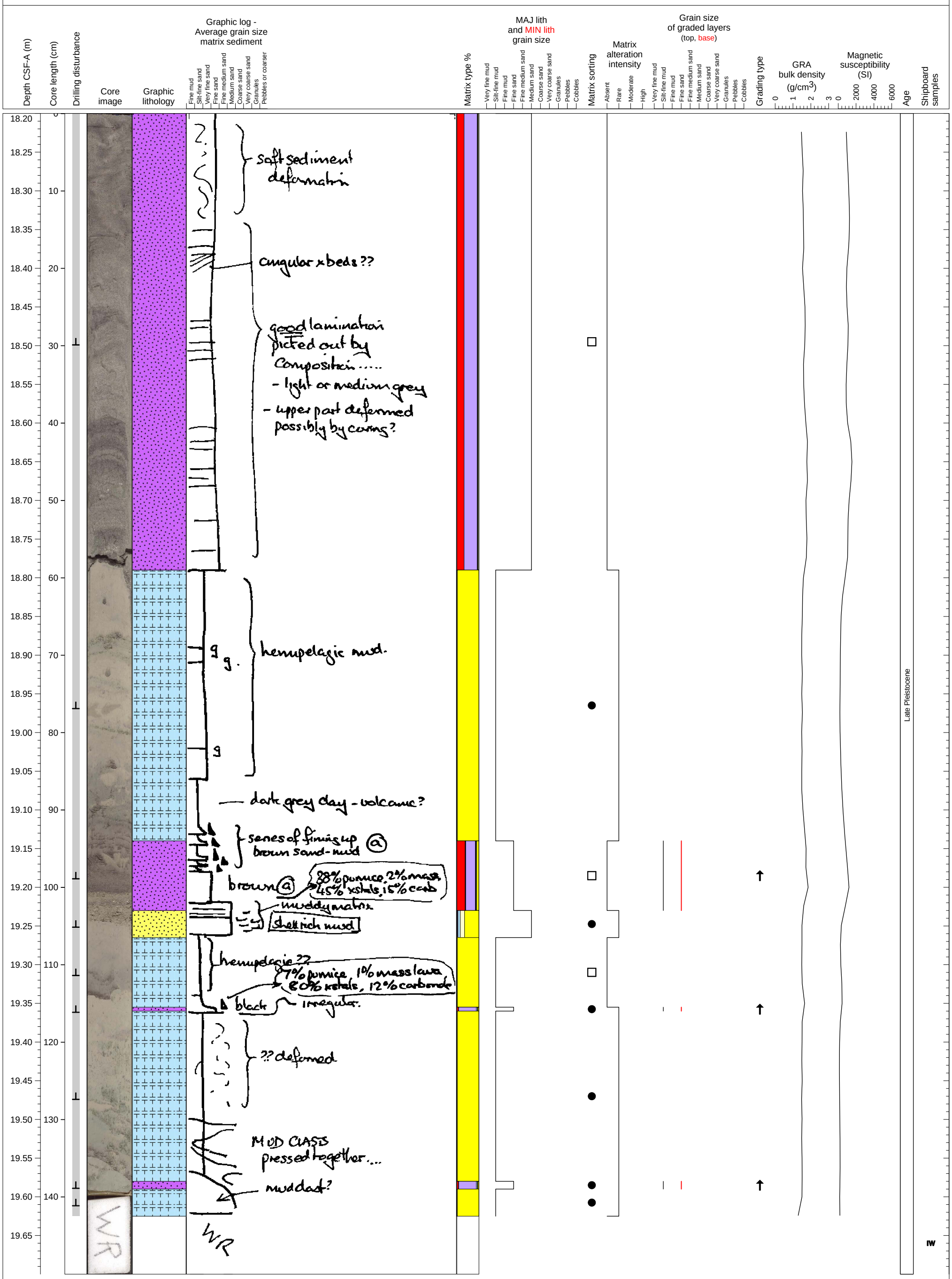
Hole 340-U1399B-3H Section 2, Top of Section: 16.7 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic turbidites. One of them has grain compositional lamination at the base.



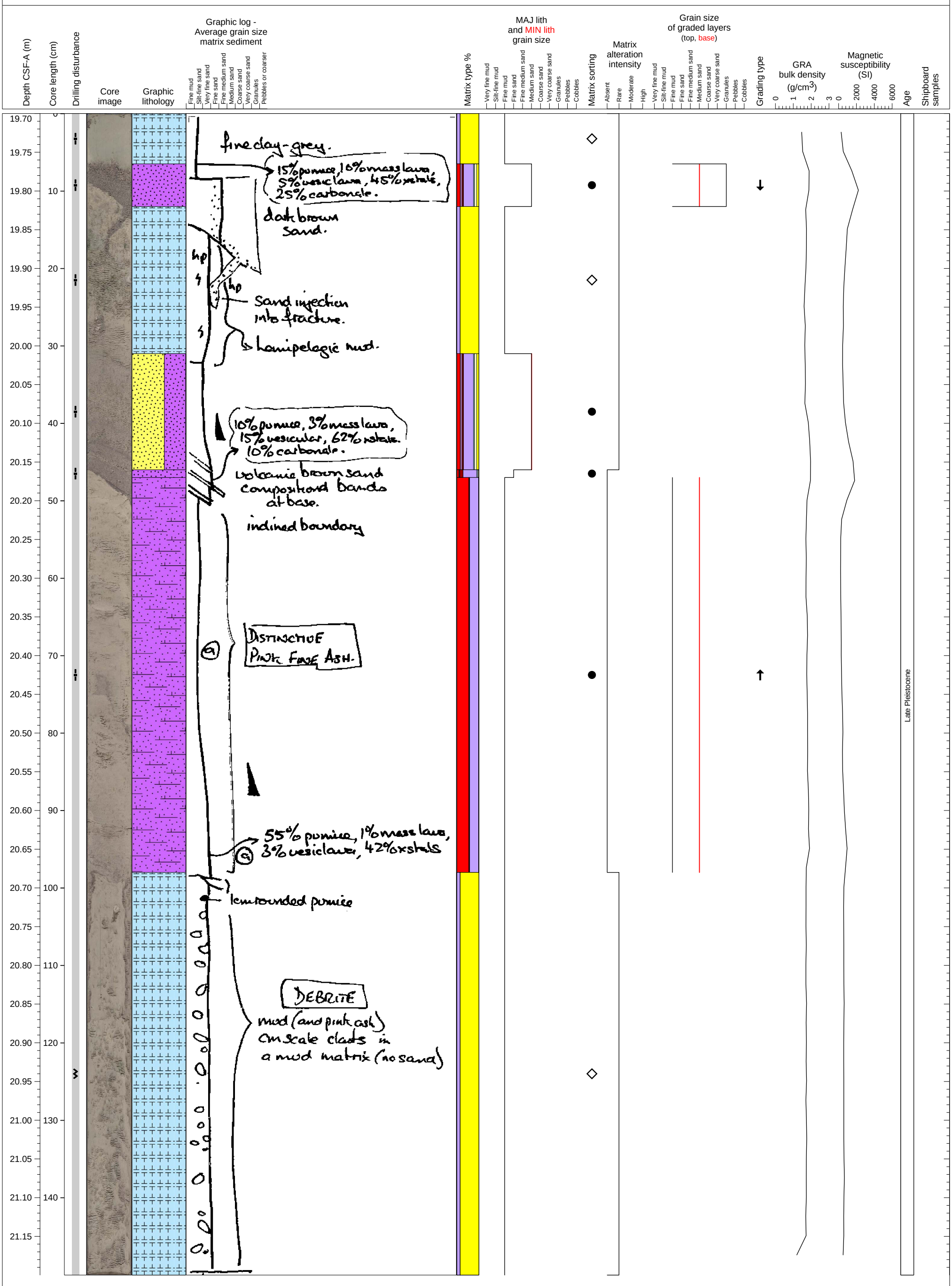
Hole 340-U1399B-3H Section 3, Top of Section: 18.2 CSF-A (m)

Bottom of volcaniclastic turbidite with grain compositional layering and hemipelagic clay interlayered with several volcaniclsatic sand units.



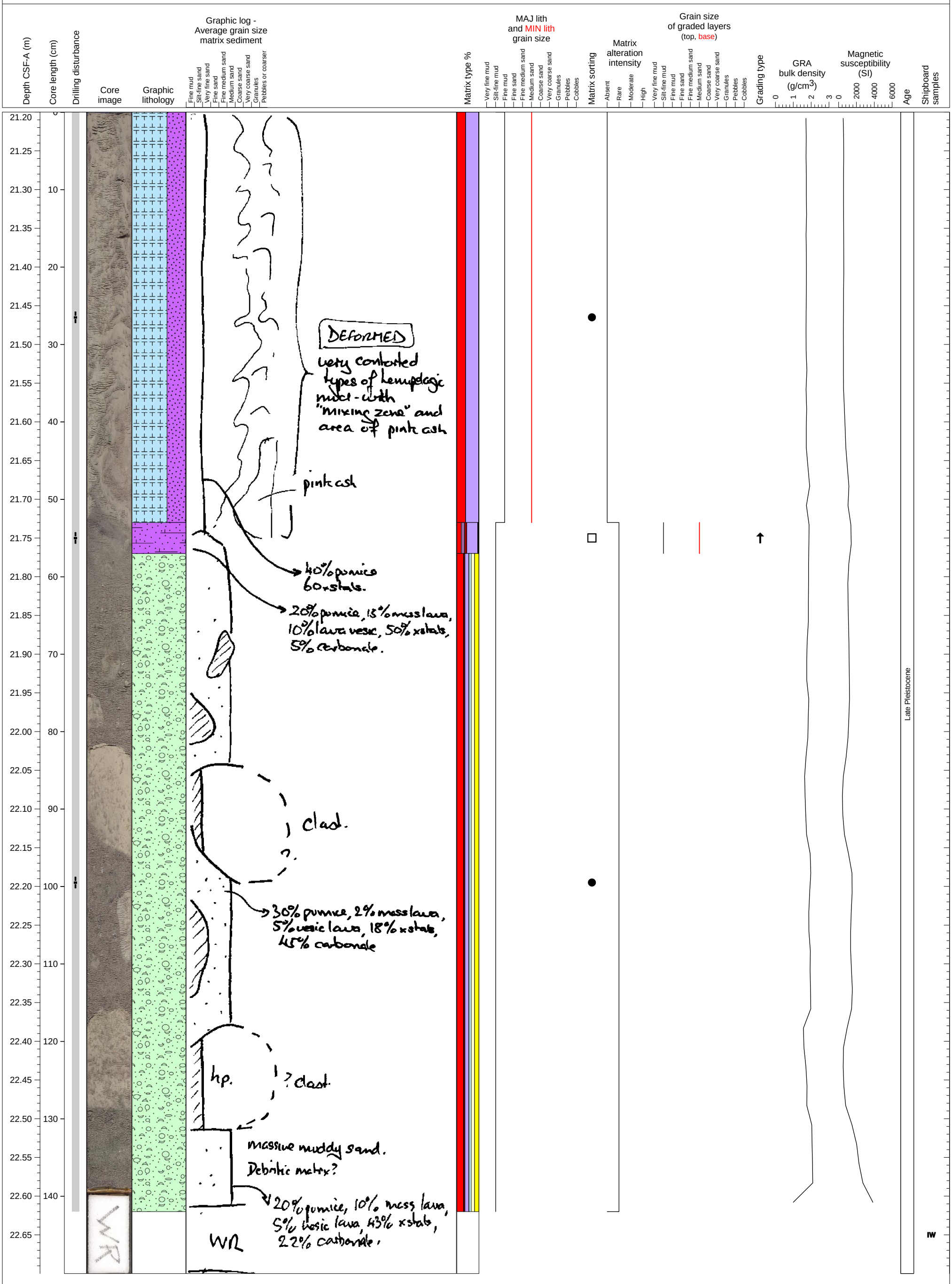
Hole 340-U1399B-3H Section 4, Top of Section: 19.7 CSF-A (m)

Hemipelagic mud interlayered with volcaniclastic sand deposits, several of which display grading.



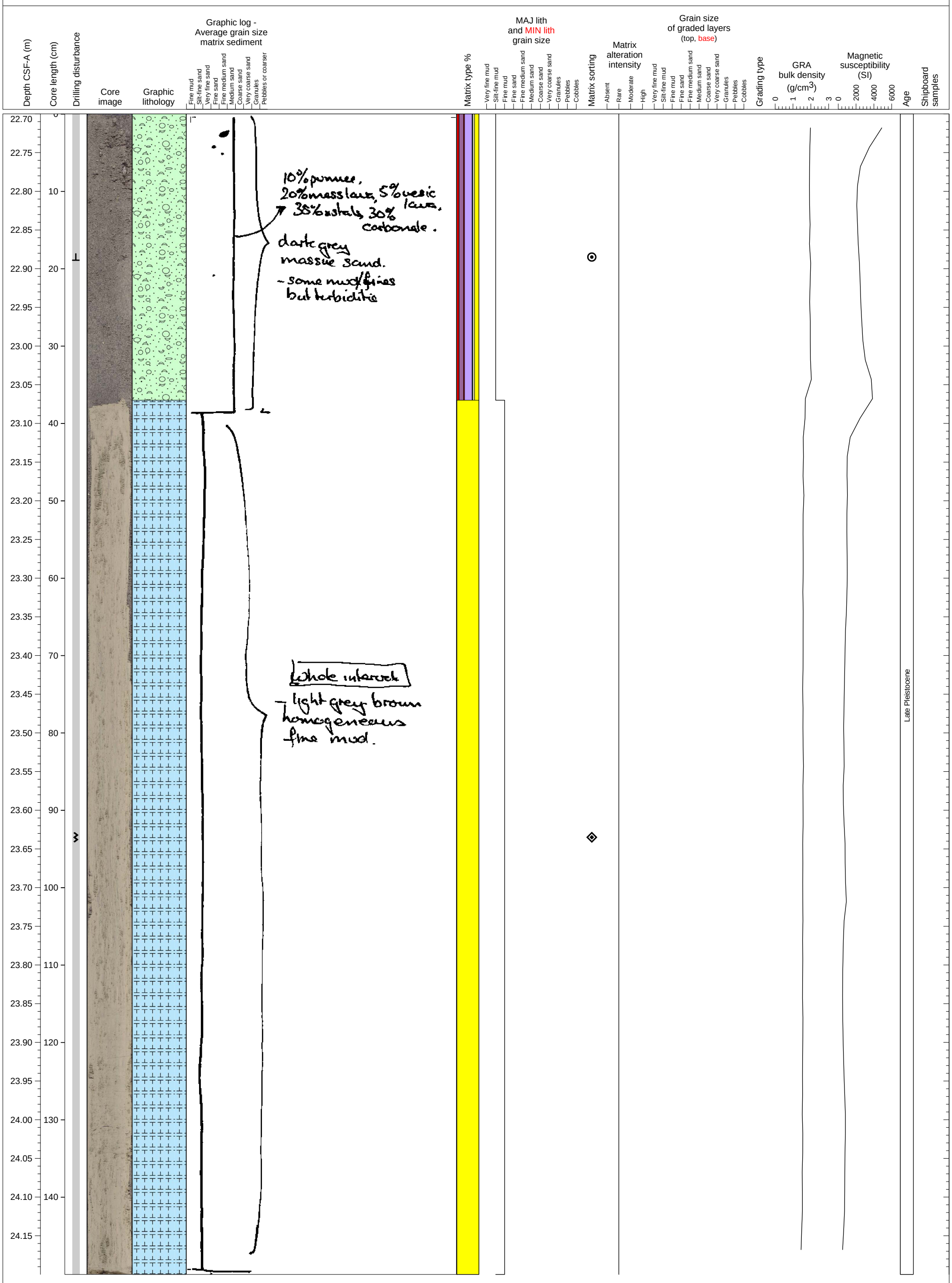
Hole 340-U1399B-3H Section 5, Top of Section: 21.2 CSF-A (m)

Muddy sand chaotic unit with large hemipelagic mud clasts overlain by volcaniclastic fining upward deposit and topped with a chaotic undulating mix of hemipelagic clay and volcaniclastic sand.



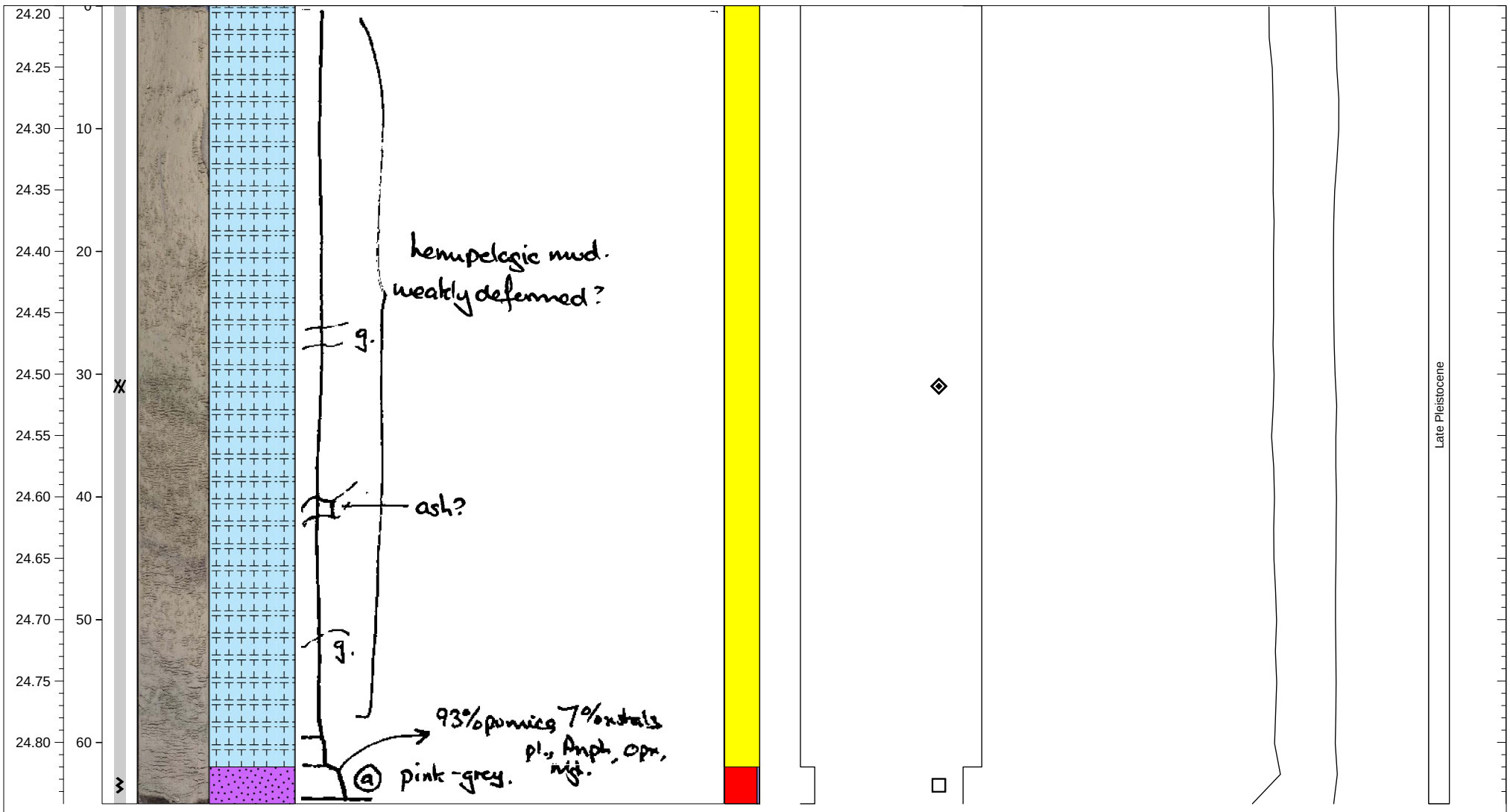
Hole 340-U1399B-3H Section 6, Top of Section: 22.7 CSF-A (m)

Muddy sand chaotic unit overlying hemipelagic clay.



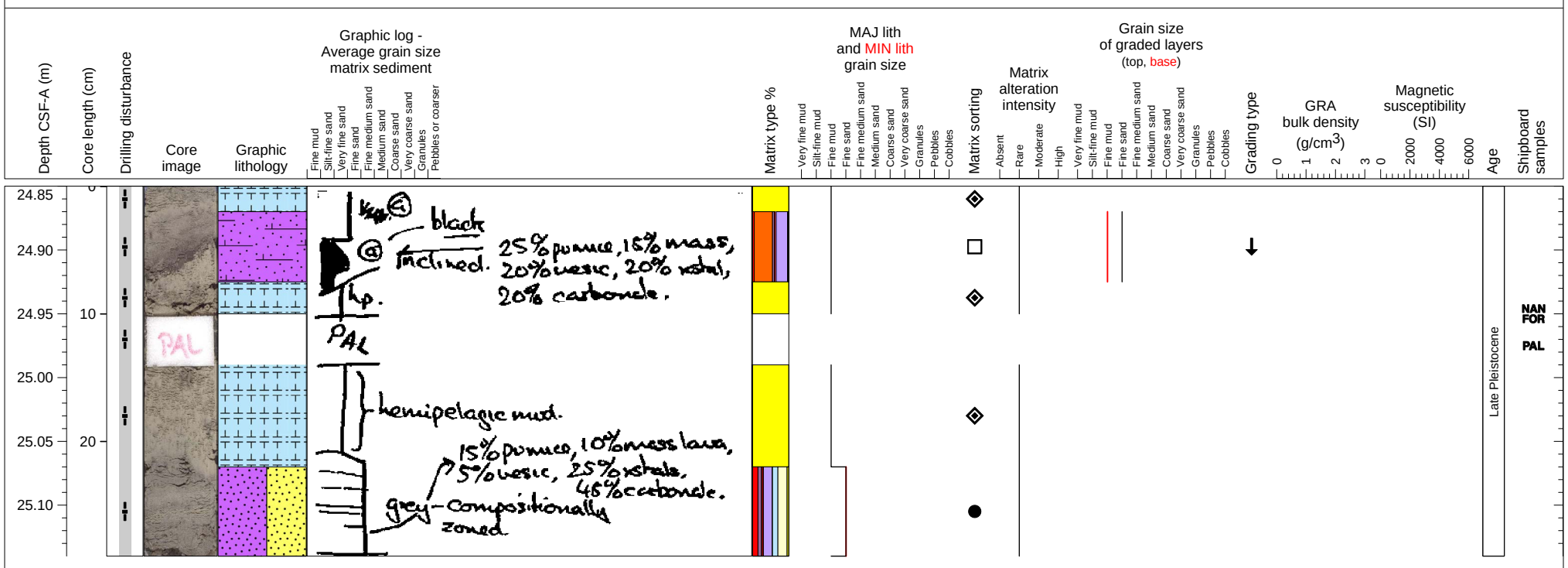
Hole 340-U1399B-3H Section 7, Top of Section: 24.2 CSF-A (m)

Hemipelagic clay overlying fine-grained volcaniclastic sand.



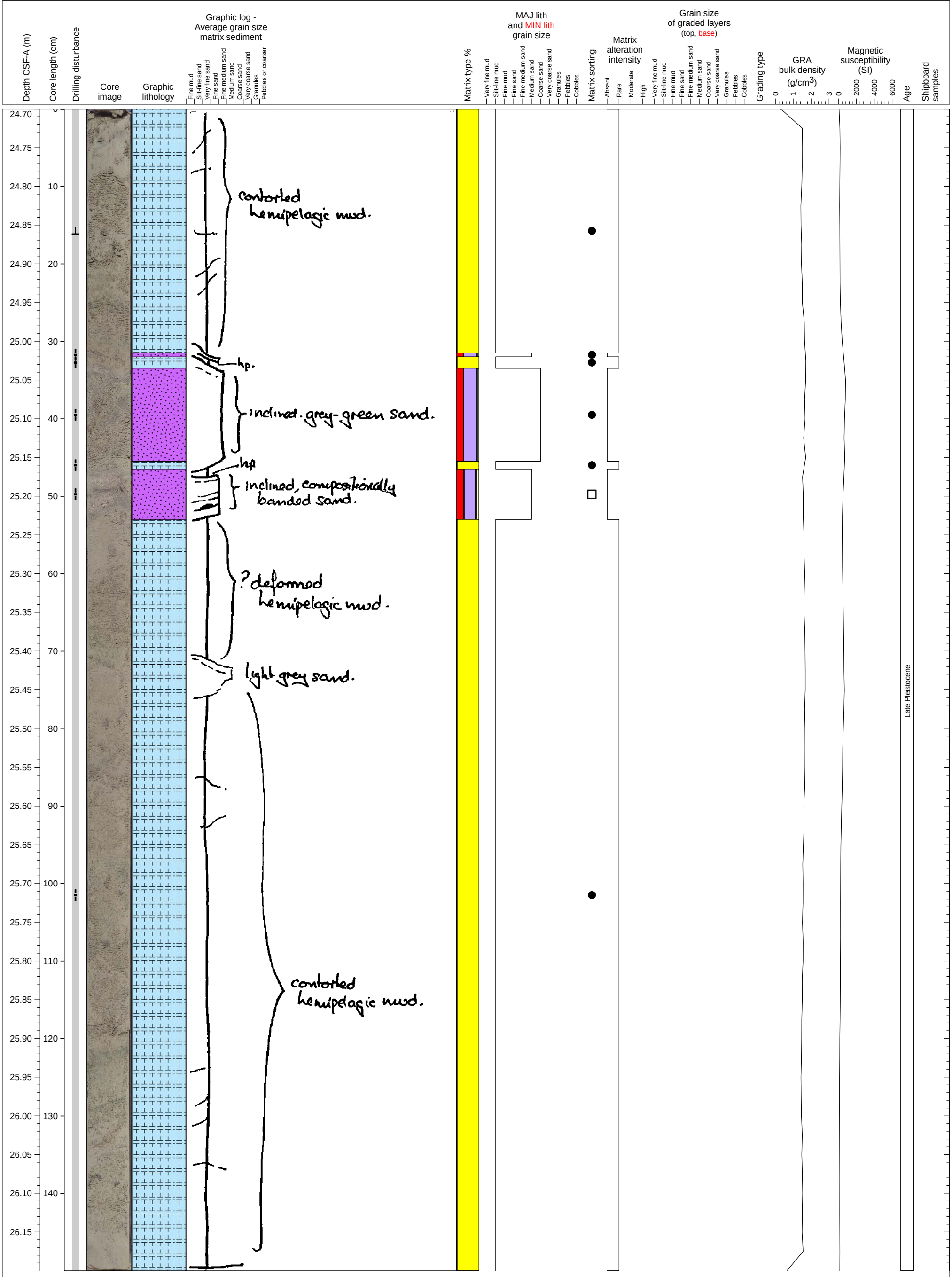
Hole 340-U1399B-3H Section CC, Top of Section: 24.85 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic and mixed volcaniclast/bioclastic sand units, one of which displays normal gradation.



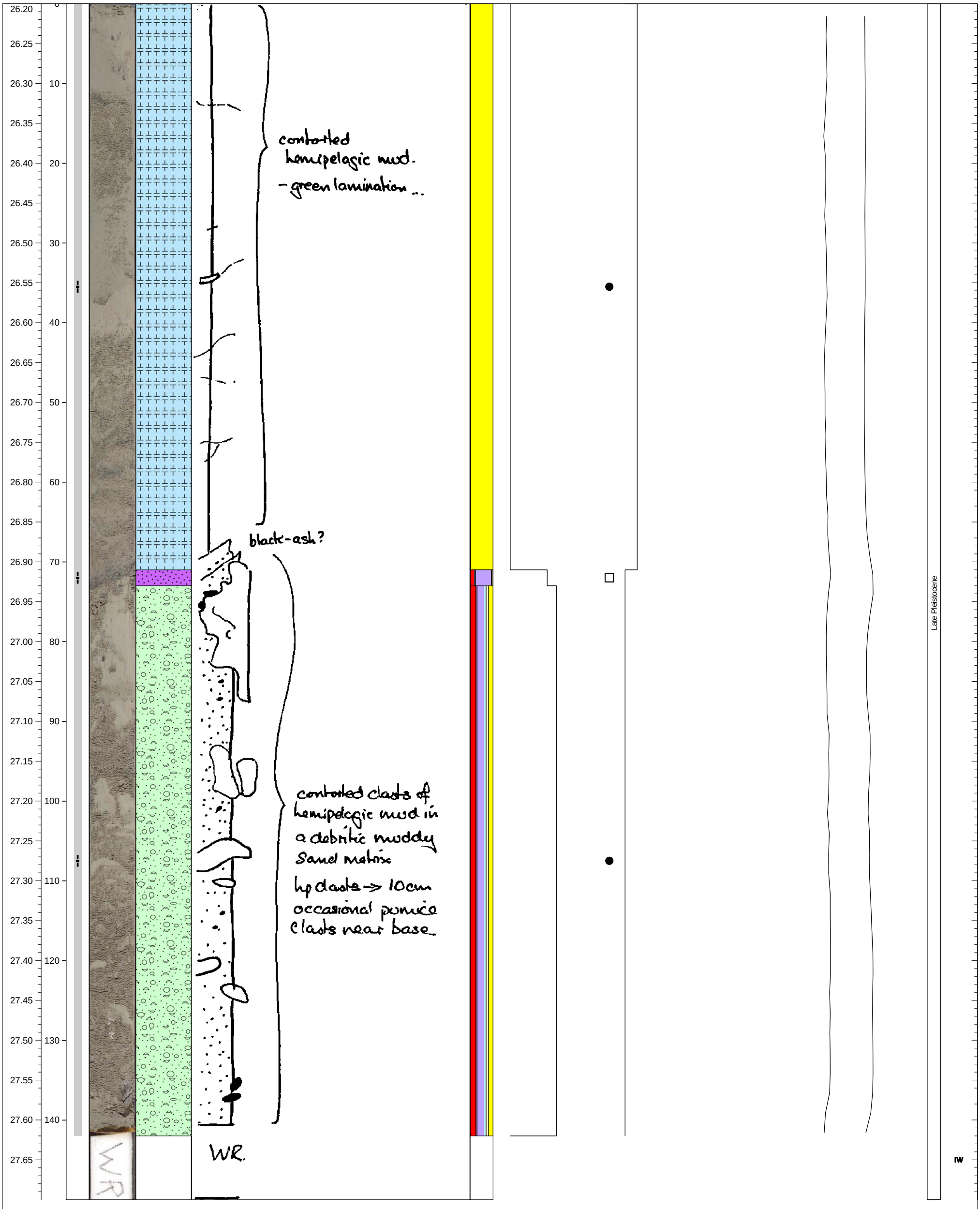
Hole 340-U1399B-4H Section 1, Top of Section: 24.7 CSF-A (m)

Hemipelagic clay intercalating with thin volacniclastic sand layers.



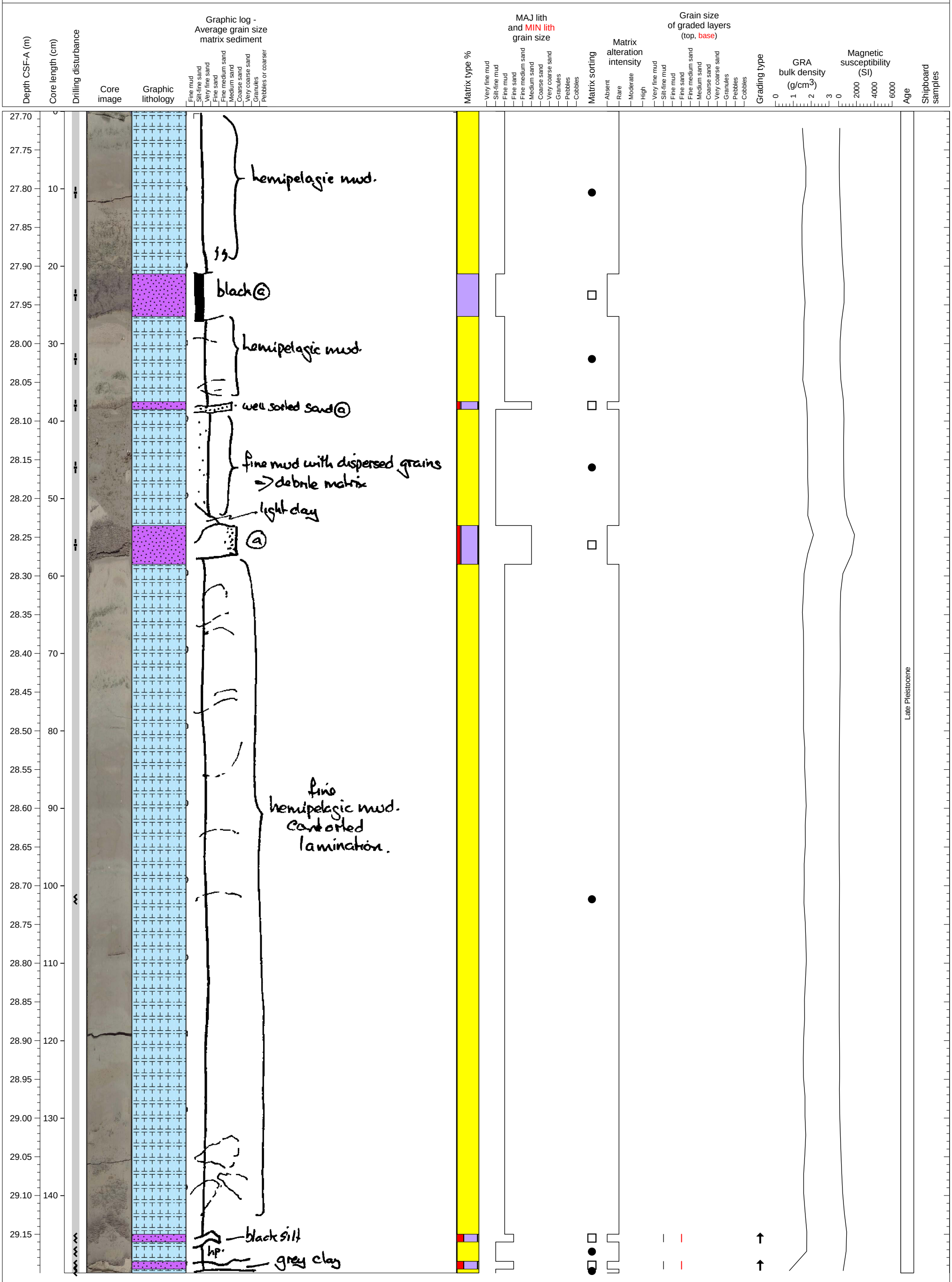
Hole 340-U1399B-4H Section 2, Top of Section: 26.2 CSF-A (m)

Debrite underlying tephra and hemipelagic clay.



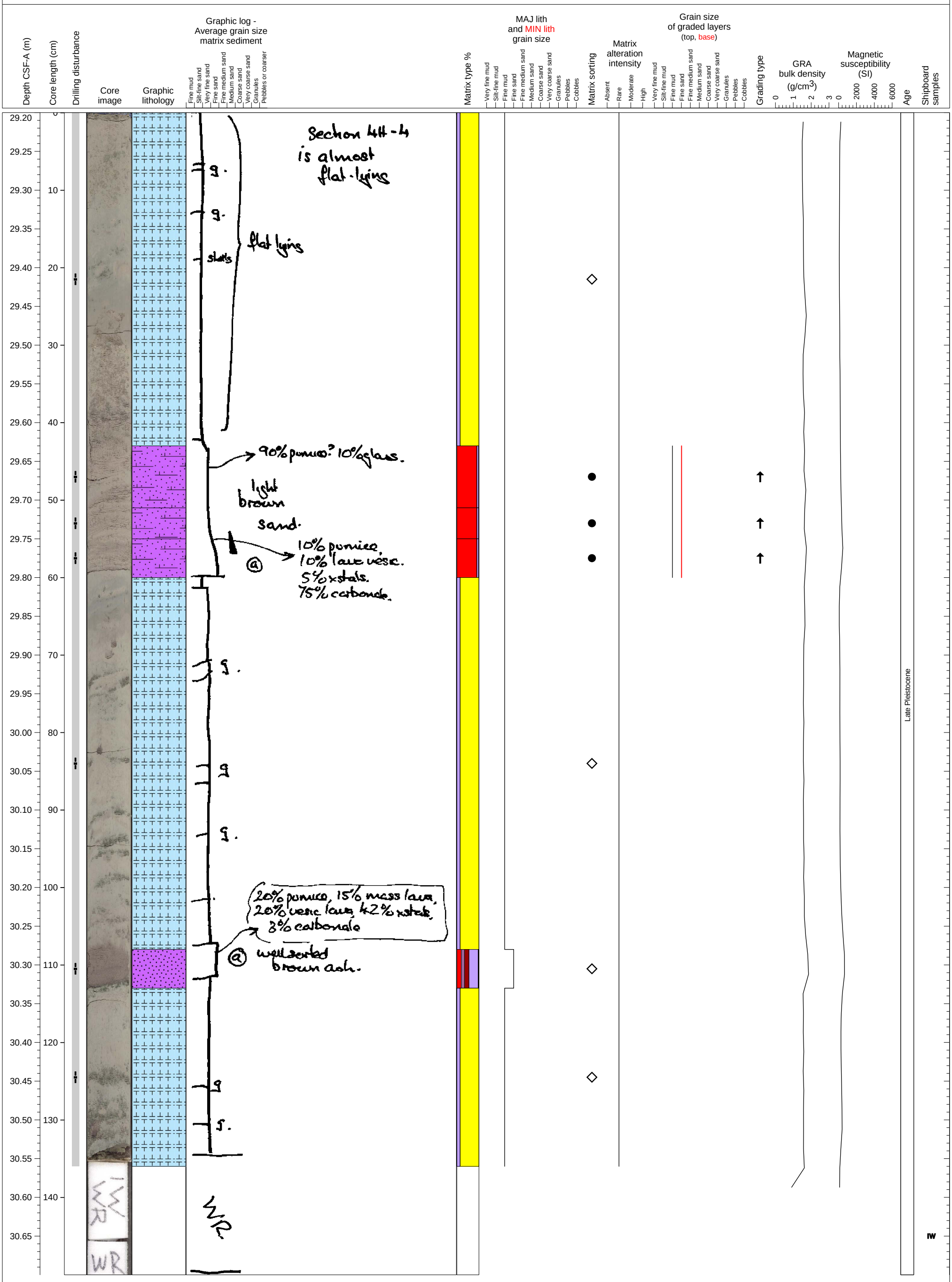
Hole 340-U1399B-4H Section 3, Top of Section: 27.7 CSF-A (m)

Hemipelagic clay interlayered with several volcaniclastic sand units.



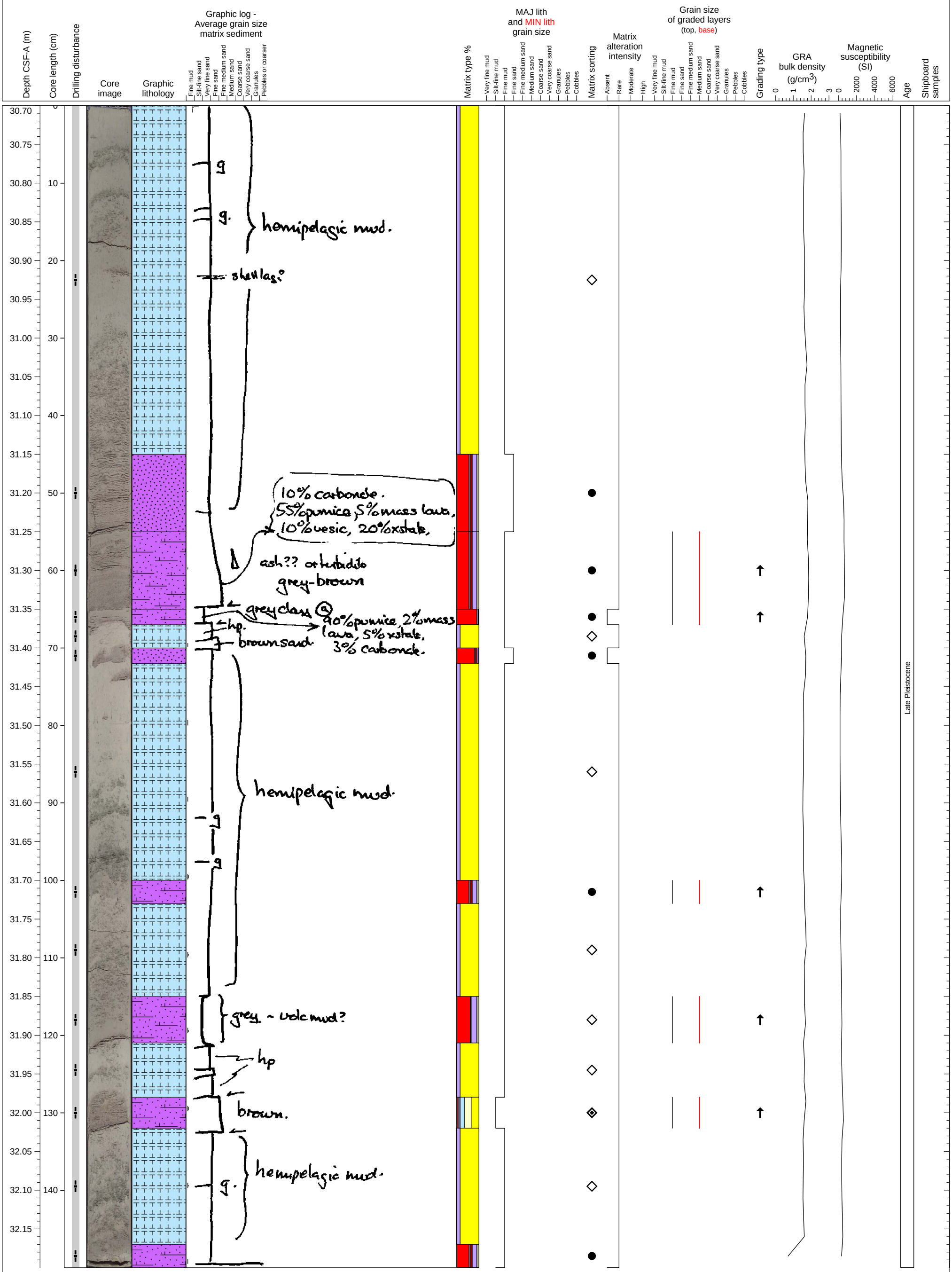
Hole 340-U1399B-4H Section 4, Top of Section: 29.2 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud units, many of which display normal grading.



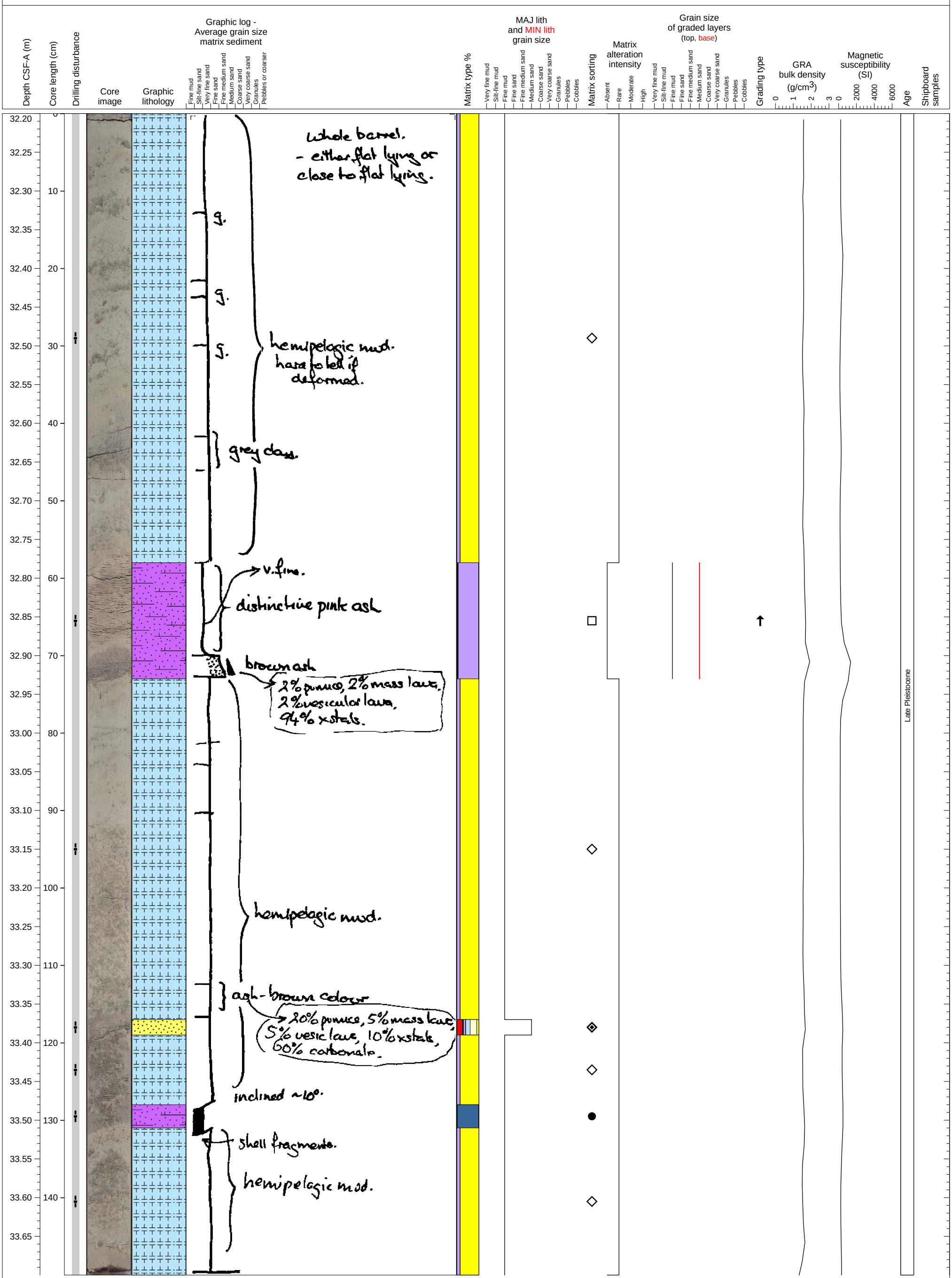
Hole 340-U1399B-4H Section 5, Top of Section: 30.7 CSF-A (m)

Hemipelagic clay interlayered with an absurd amount of volcaniclastic tephra units, many of which display normal grading.



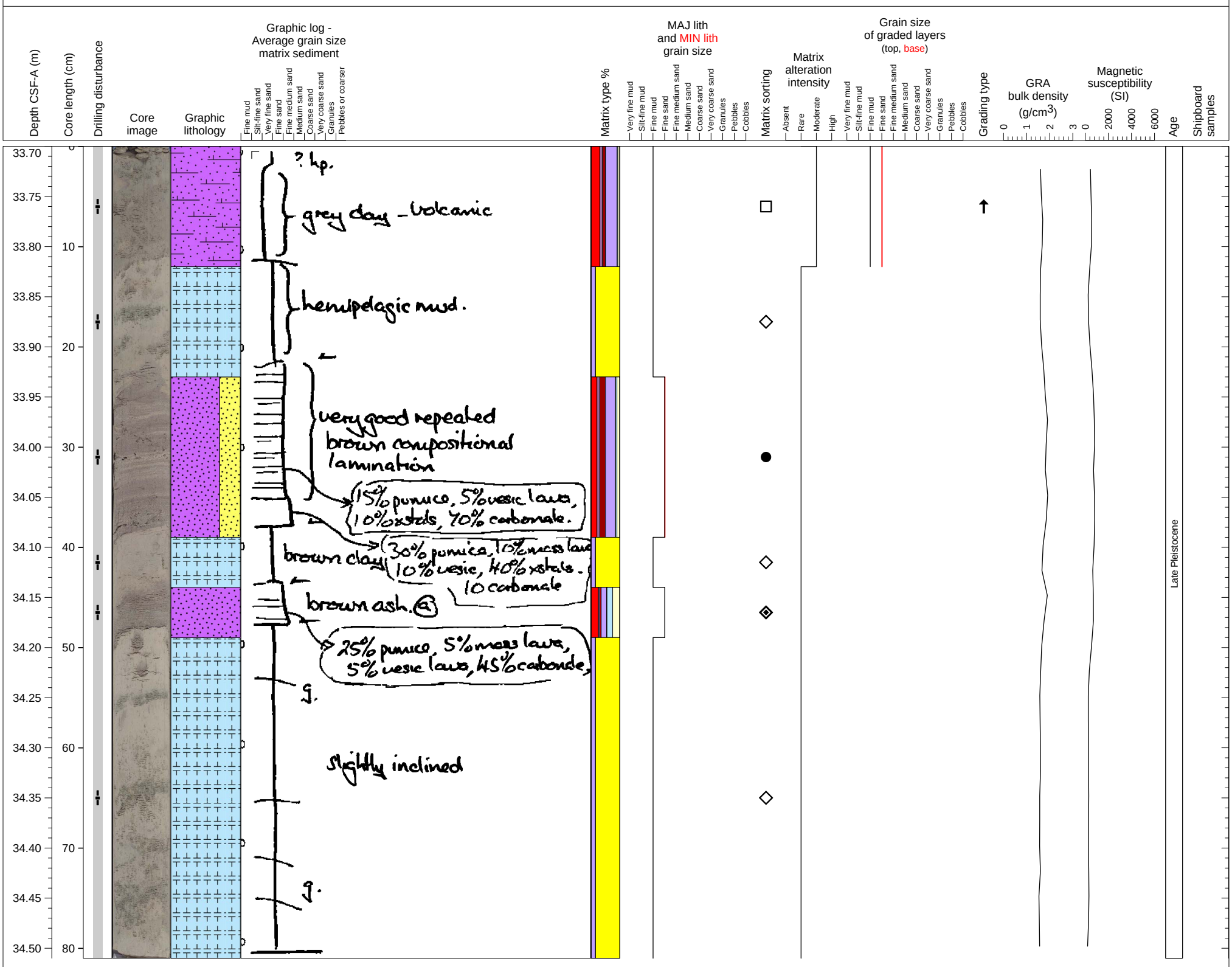
Hole 340-U1399B-4H Section 6, Top of Section: 32.2 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud units.



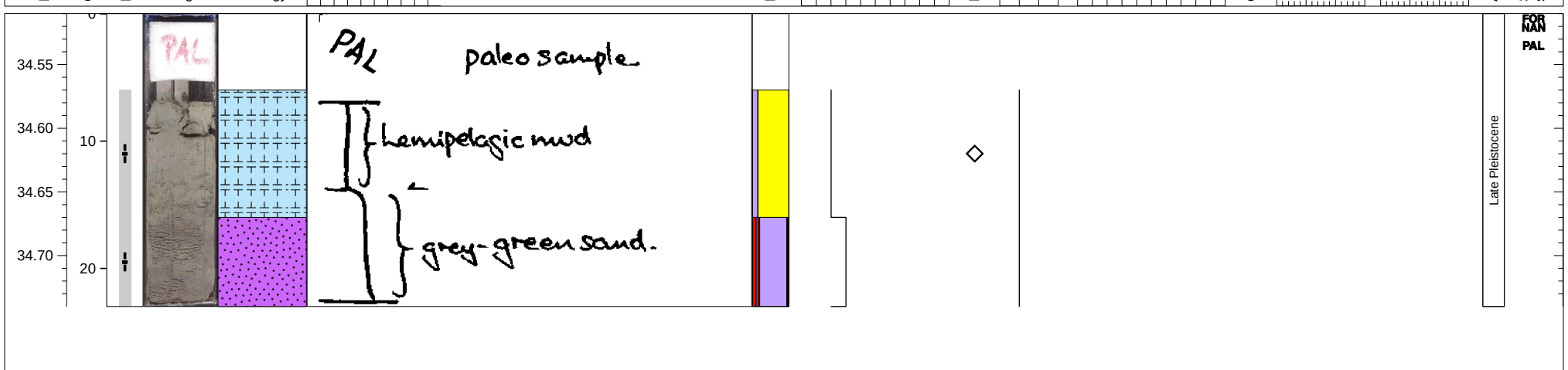
Hole 340-U1399B-4H Section 7, Top of Section: 33.7 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud units.



Hole 340-U1399B-4H Section CC, Top of Section: 34.51 CSF-A (m)

Hemipelagic clay overlying volcaniclastic sand. PAL sample from base.



Hole 340-U1399B-5H Section 1, Top of Section: 34.2 CSF-A (m)

Hemipelagic sediment interlayered with volcaniclastic sand layer and top of volcaniclastic turbidite. Hemipelagic clay from 65 to 90 cm may be a big clast in 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

34.20
34.25
34.30
34.35
34.40
34.45
34.50
34.55
34.60
34.65
34.70
34.75
34.80
34.85
34.90
34.95
35.00
35.05
35.10
35.15
35.20
35.25
35.30
35.35
35.40
35.45
35.50
35.55
35.60
35.65

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

hemipelagic mud. – green

1% mass lava
97% xtals
2% carbonate.
grey sand.

hemipelagic mud.

contorted?
medium-dark grey
ungraded sand.
v. poorly sorted.
20% volcanic/pumice
5% mass lava
71% xtals
4% carbonate

inclined.

grey volcanic fine sand/silt
not hp.

VOID

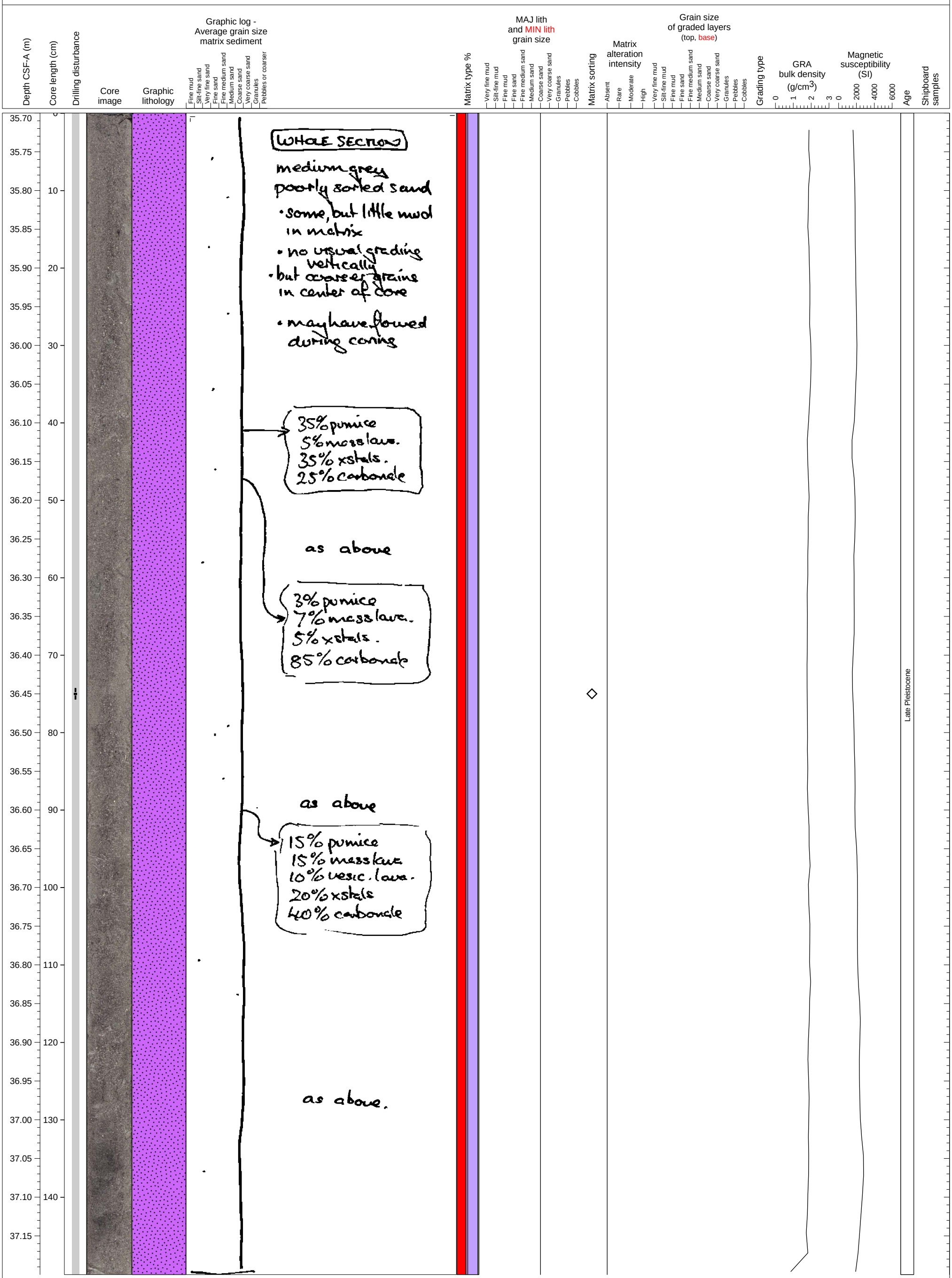
medium-dark gray sand without grading
coarse pumice granules rare

40% pumice
10% mass lava.
45% xtals
5% carbonate

Late Pleistocene

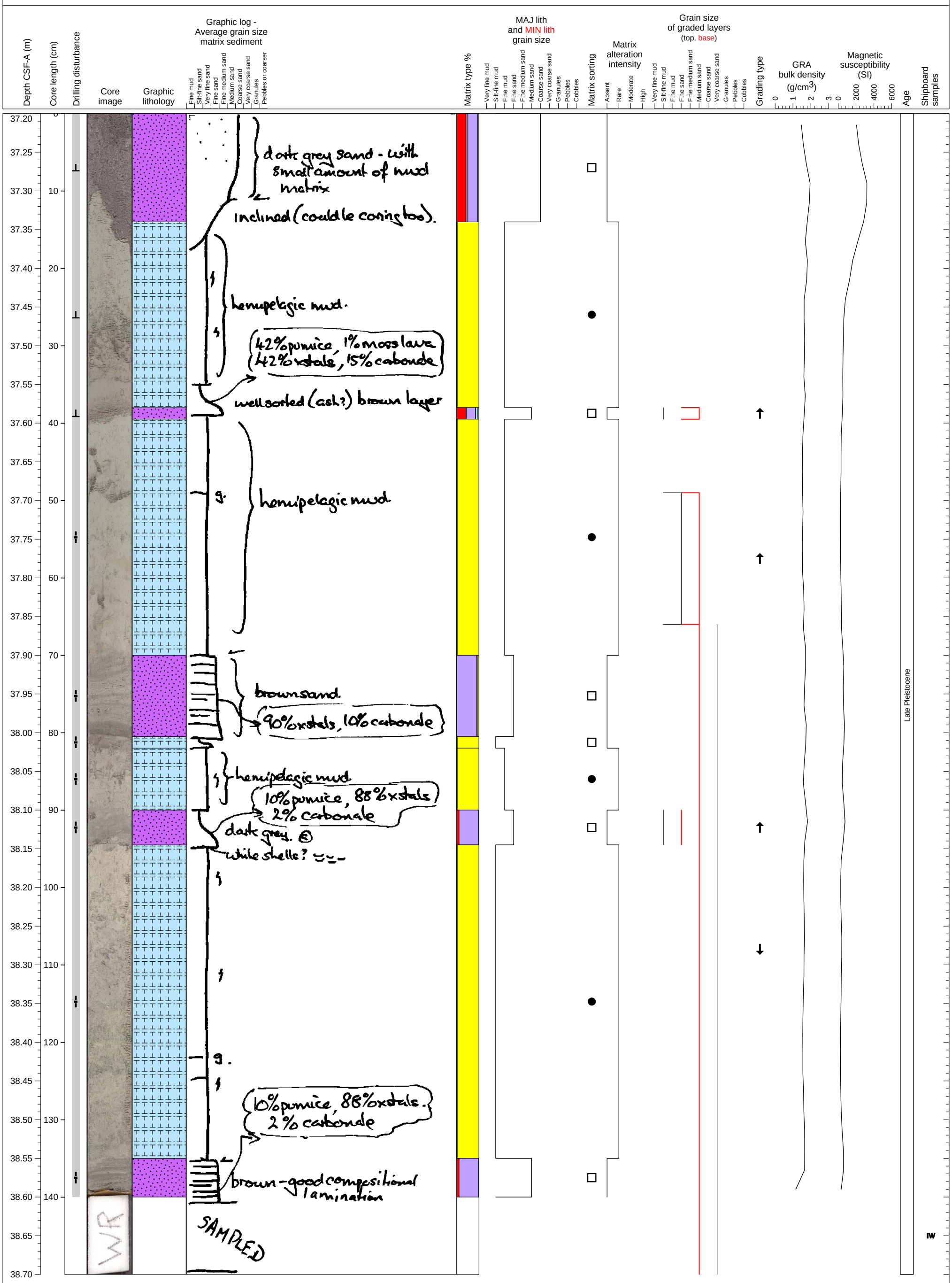
Hole 340-U1399B-5H Section 2, Top of Section: 35.7 CSF-A (m)

Part of massive volcaniclastic turbidite.



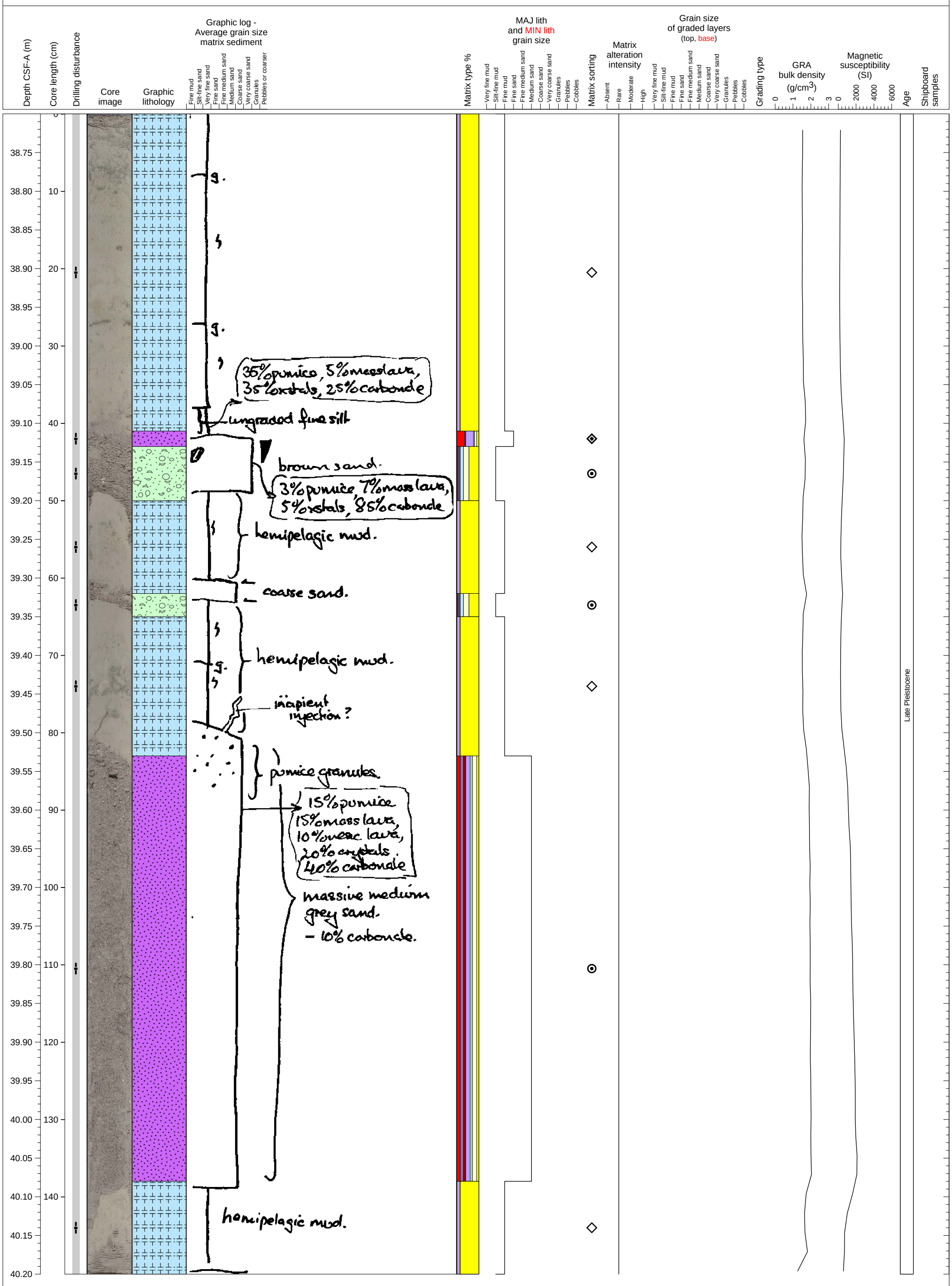
Hole 340-U1399B-5H Section 3, Top of Section: 37.2 CSF-A (m)

Bottom of turbidite and hemipelagic clay interlayered with volacniclastic sand units (tephra and turbidites with grain compositional layering).



Hole 340-U1399B-5H Section 4, Top of Section: 38.7 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud deposits.



Hole 340-U1399B-5H Section 5, Top of Section: 40.2 CSF-A (m)

Hemipelagic clay interlayered with bioclastic and volcaniclastic sand units. Top of section is muddy sand chaotic 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/cm3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

40.25
40.30
40.35
40.40
40.45
40.50
40.55
40.60
40.65
40.70
40.75
40.80
40.85
40.90
40.95
41.00
41.05
41.10
41.15
41.20
41.25
41.30
41.35
41.40
41.45
41.50
41.55
41.60
41.65
41.70

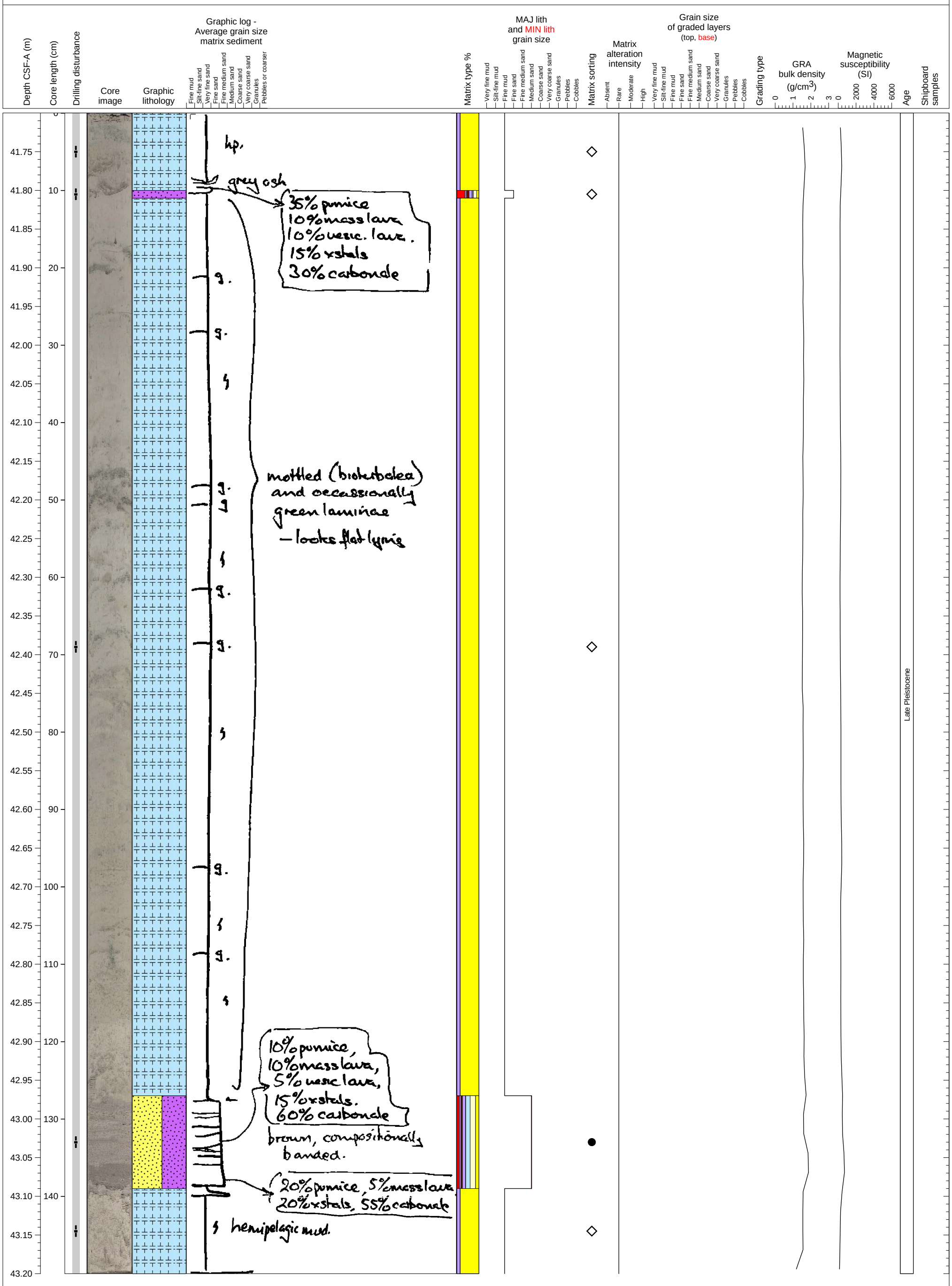
10
20
30
40
50
60
70
80
90
100
110
120
130
140

pomice clasts and mud clasts
Debritic muddy sand matrix
• occasional mud clasts ~2cm
• more common pumice grains
mudclasts
hemipelagic mud.
light grey
medium/dark grey
hemipelagic mud.
lots of clay-silt couplets comprise bed.
SAMPLED

Late Pleistocene
IW

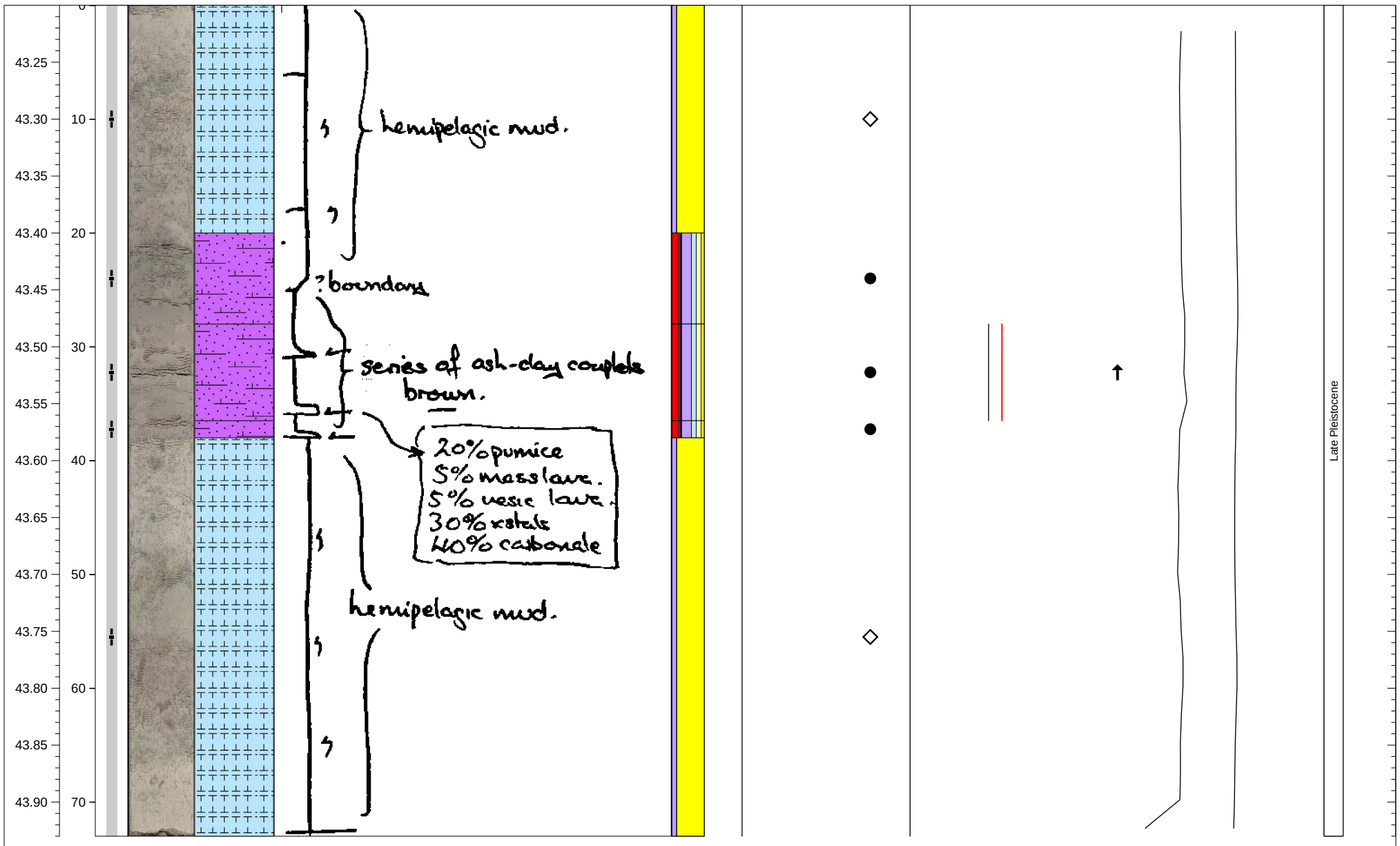
Hole 340-U1399B-5H Section 6, Top of Section: 41.7 CSF-A (m)

Hemipelagic clay with volcaniclastic sand layer. Near base of section is a laminated volcaniclastic/bioclastic sand unit.



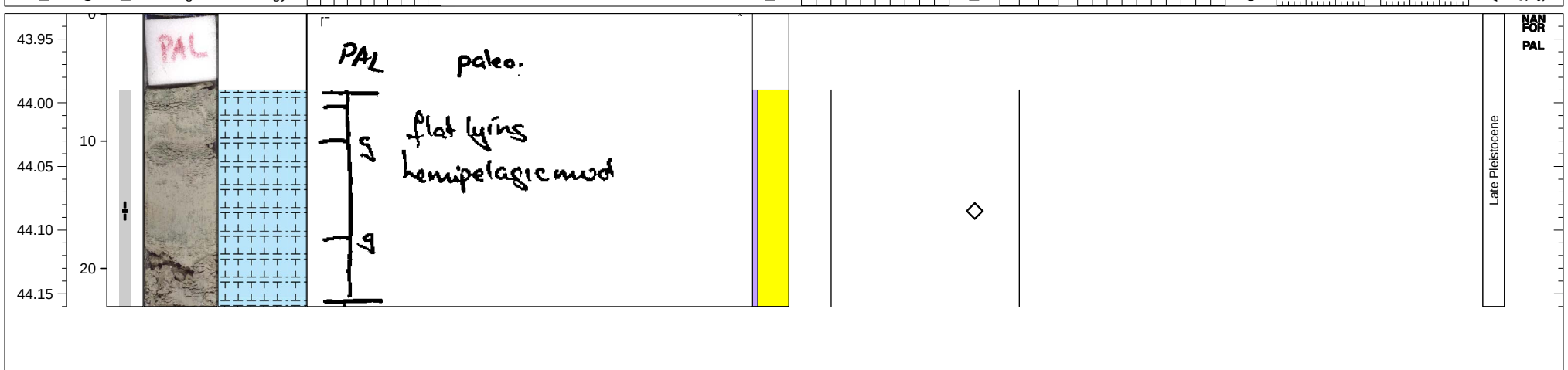
Hole 340-U1399B-5H Section 7, Top of Section: 43.2 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud deposits.



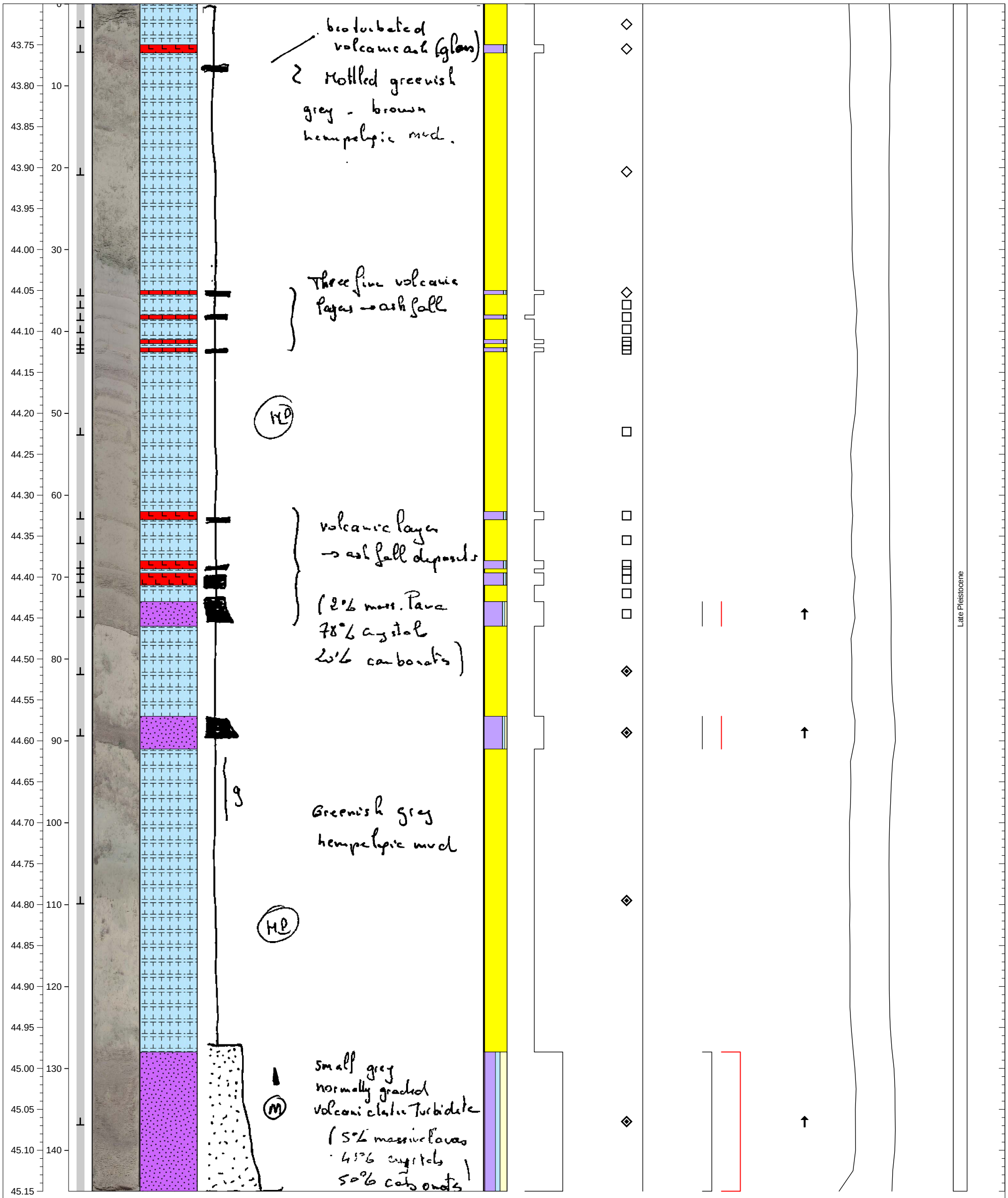
Hole 340-U1399B-5H Section CC, Top of Section: 43.93 CSF-A (m)

Hemipelagic clay. PAL sample from section top.



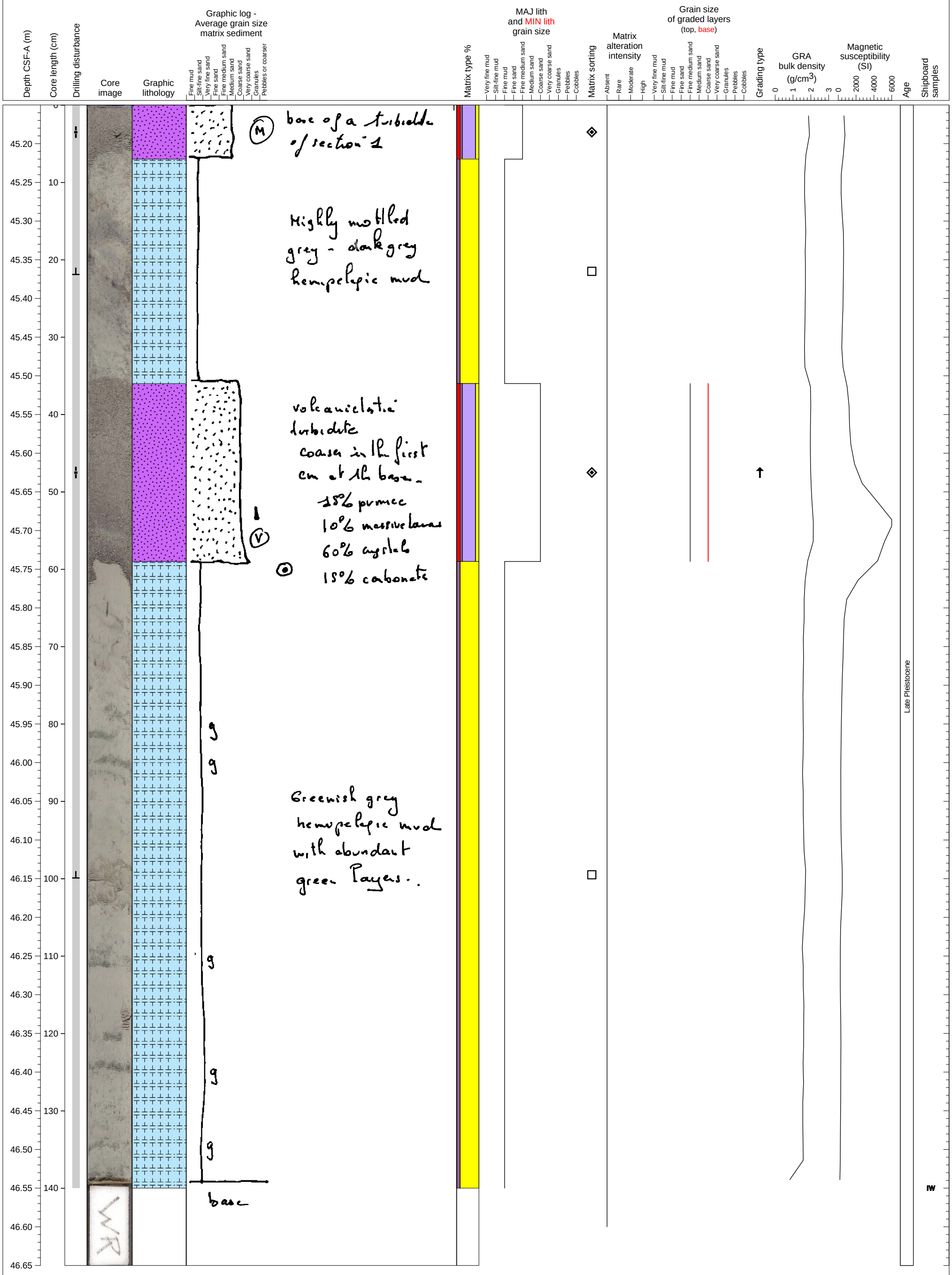
Hole 340-U1399B-6H Section 1, Top of Section: 43.7 CSF-A (m)

Hemipelagite with 8 thin ashfall layers, 2 volcaniclastic sand layer, and 1 turbidite.



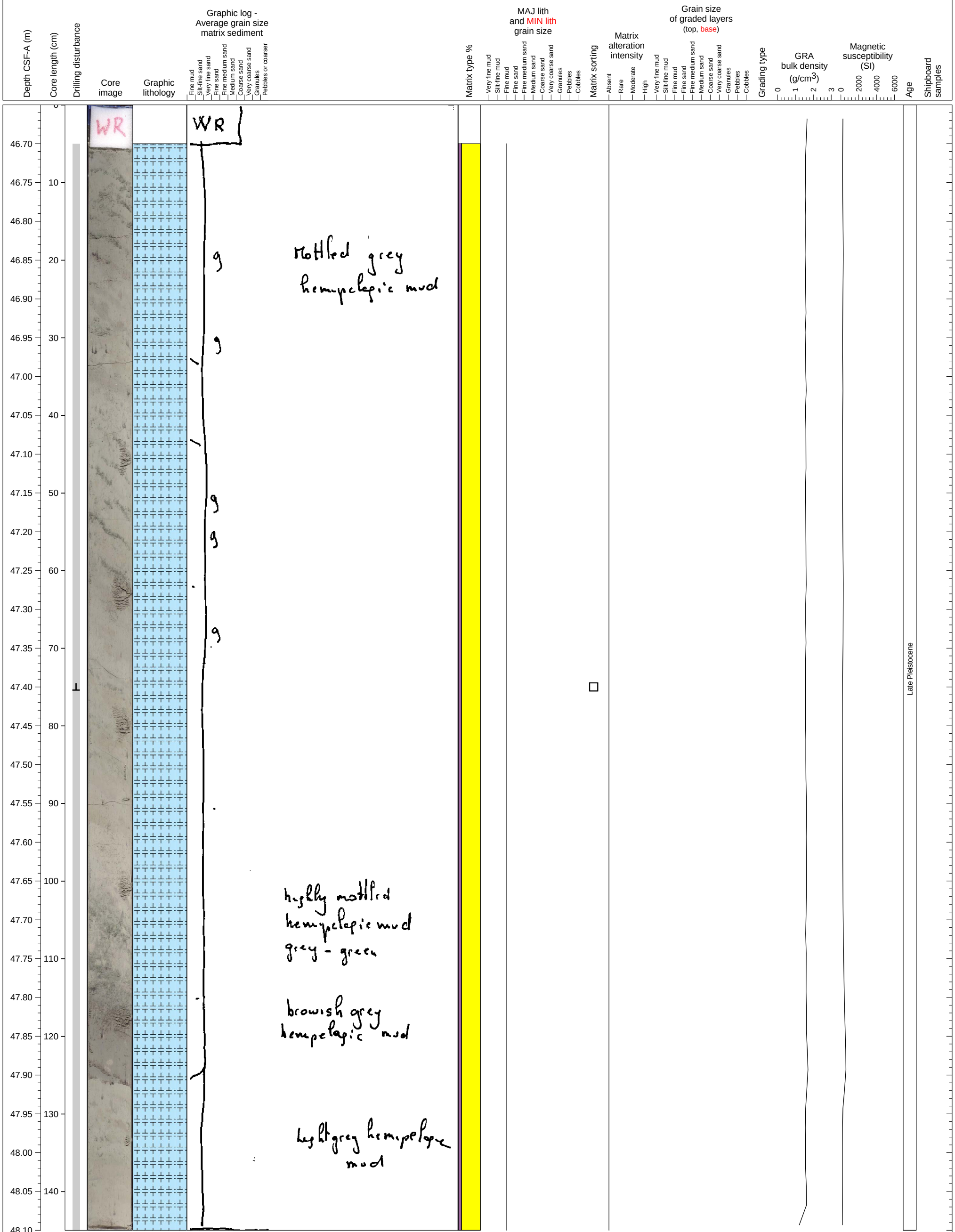
Hole 340-U1399B-6H Section 2, Top of Section: 45.15 CSF-A (m)

Interbedded volcaniclastic turbidites and Hemipelagic sediment.



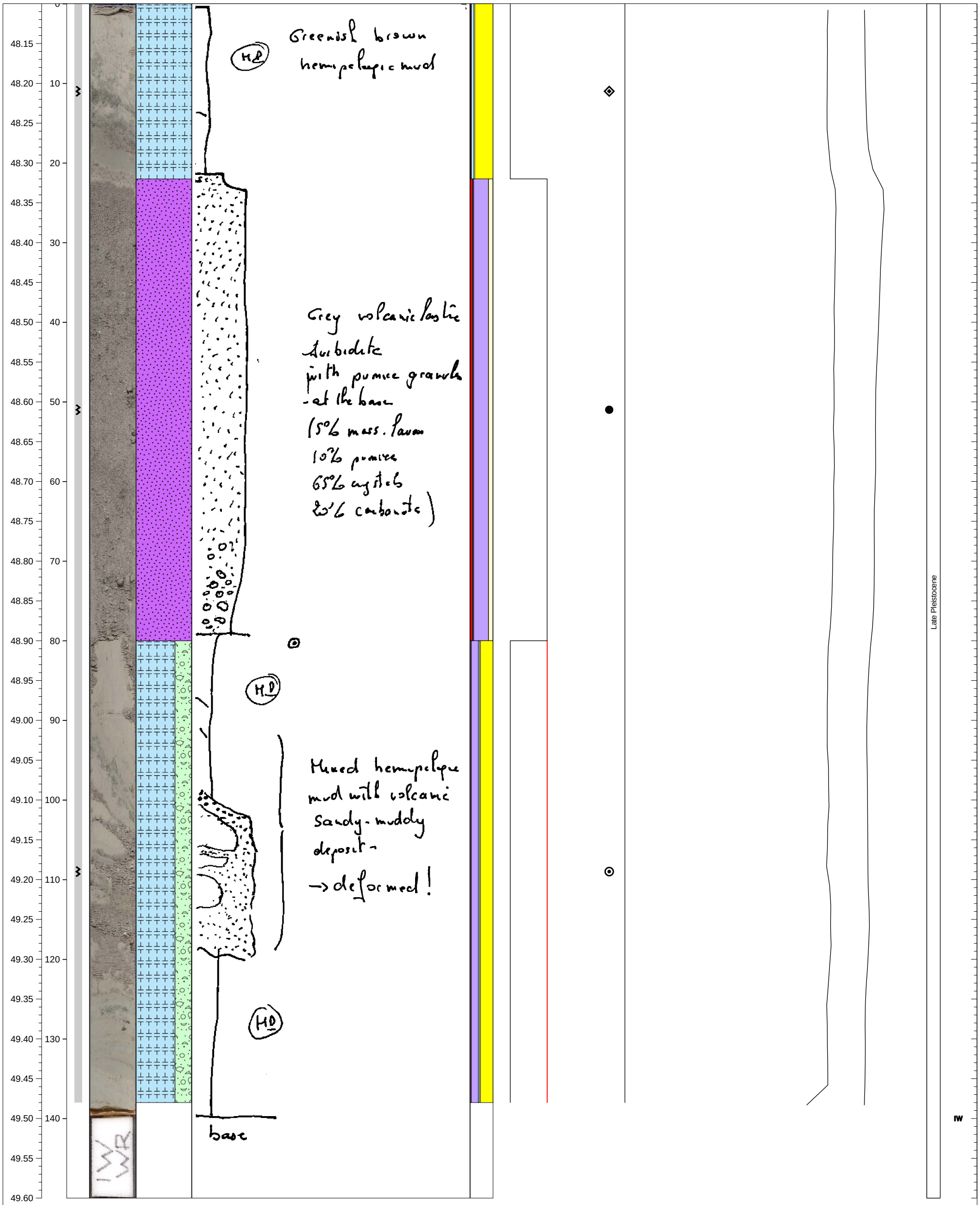
Hole 340-U1399B-6H Section 3, Top of Section: 46.65 CSF-A (m)

Very chaotic. Hemipelagic sediment.



Hole 340-U1399B-6H Section 4, Top of Section: 48.1 CSF-A (m)

Mottled hemipelagic sediment, volcaniclastic turbidite and their mixture



Hole 340-U1399B-6H Section 5, Top of Section: 49.6 CSF-A (m)

Hemipelagic sediment intercalated with volcanic ash layers and volcaniclastic turbidite deposit near the bottom

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

49.65 – 0
49.70 – 10
49.75 – 20
49.80 – 30
49.85 – 40
49.90 – 50
49.95 – 60
50.00 – 70
50.05 – 80
50.10 – 90
50.15 – 100
50.20 – 110
50.25 – 120
50.30
50.35
50.40
50.45
50.50
50.55
50.60
50.65
50.70
50.75
50.80
50.85

→ Grey HP

→ dark brown HP

. Greenish-grey hem. pelagic mud

HP

volcanic ash layer

volcanic ash layer

V

→ abundant shells

→ mud clast

Late Pleistocene

Hole 340-U1399B-6H Section 6, Top of Section: 50.87 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/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

50.90
50.95
51.00
51.05
51.10
51.15
51.20
51.25
51.30
51.35
51.40
51.45
51.50
51.55
51.60
51.65
51.70
51.75
51.80
51.85
51.90
51.95
52.00
52.05
52.10
52.15
52.20
52.25
52.30

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

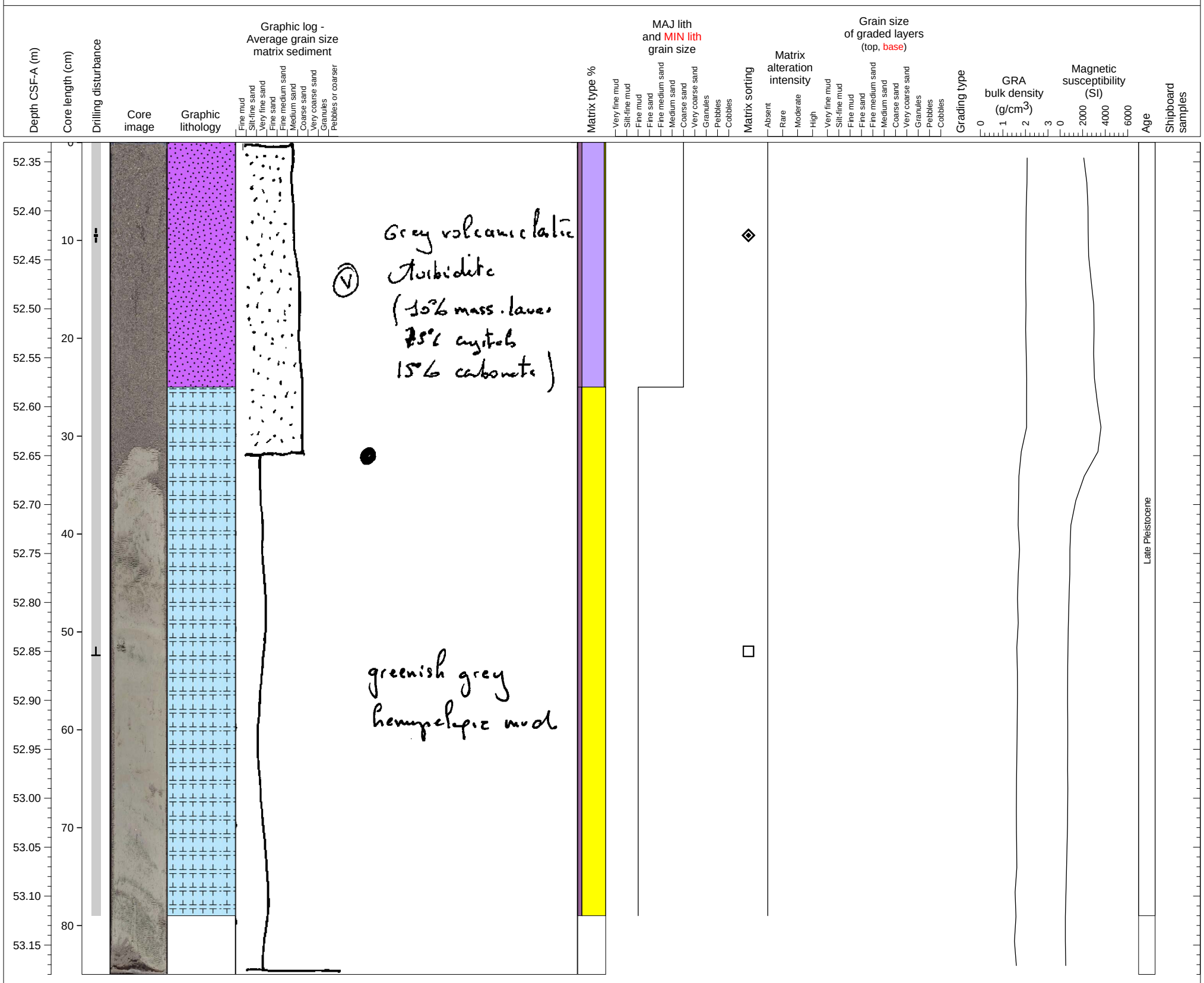
Grey volcaniclastic turbidite massive (15% mass. lavas 80% argilot 5% carbonate)

— few shells upp along the deposit

Late Pleistocene

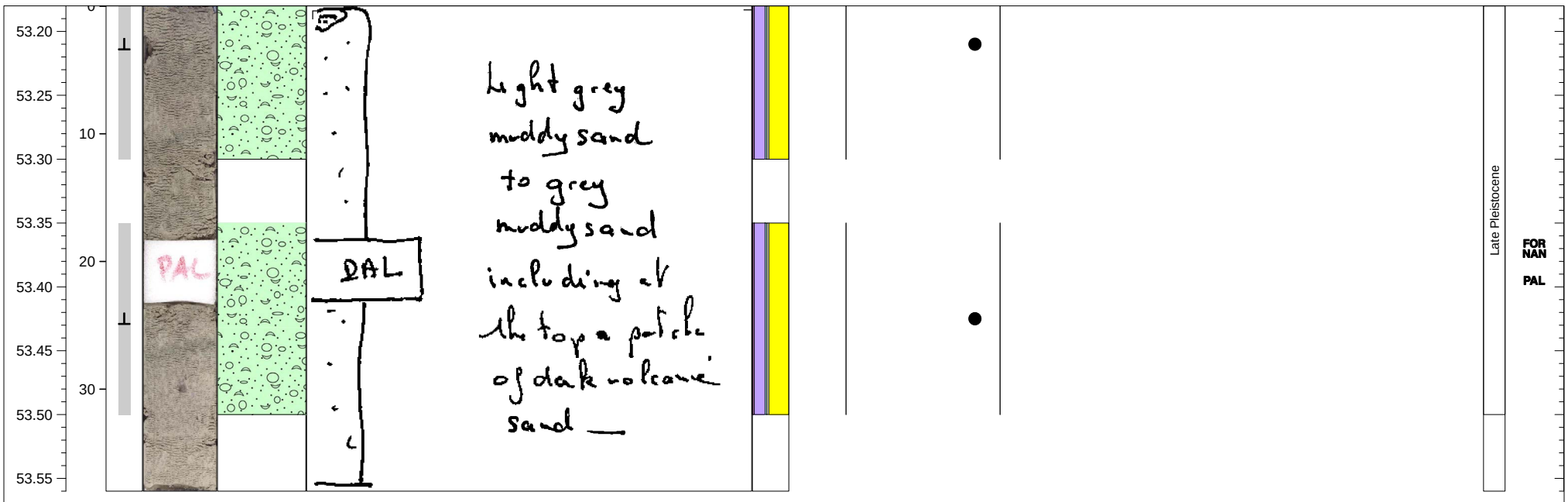
Hole 340-U1399B-6H Section 7, Top of Section: 52.33 CSF-A (m)

Part of a volcaniclastic turbidite overlying hemipelagic sediment.



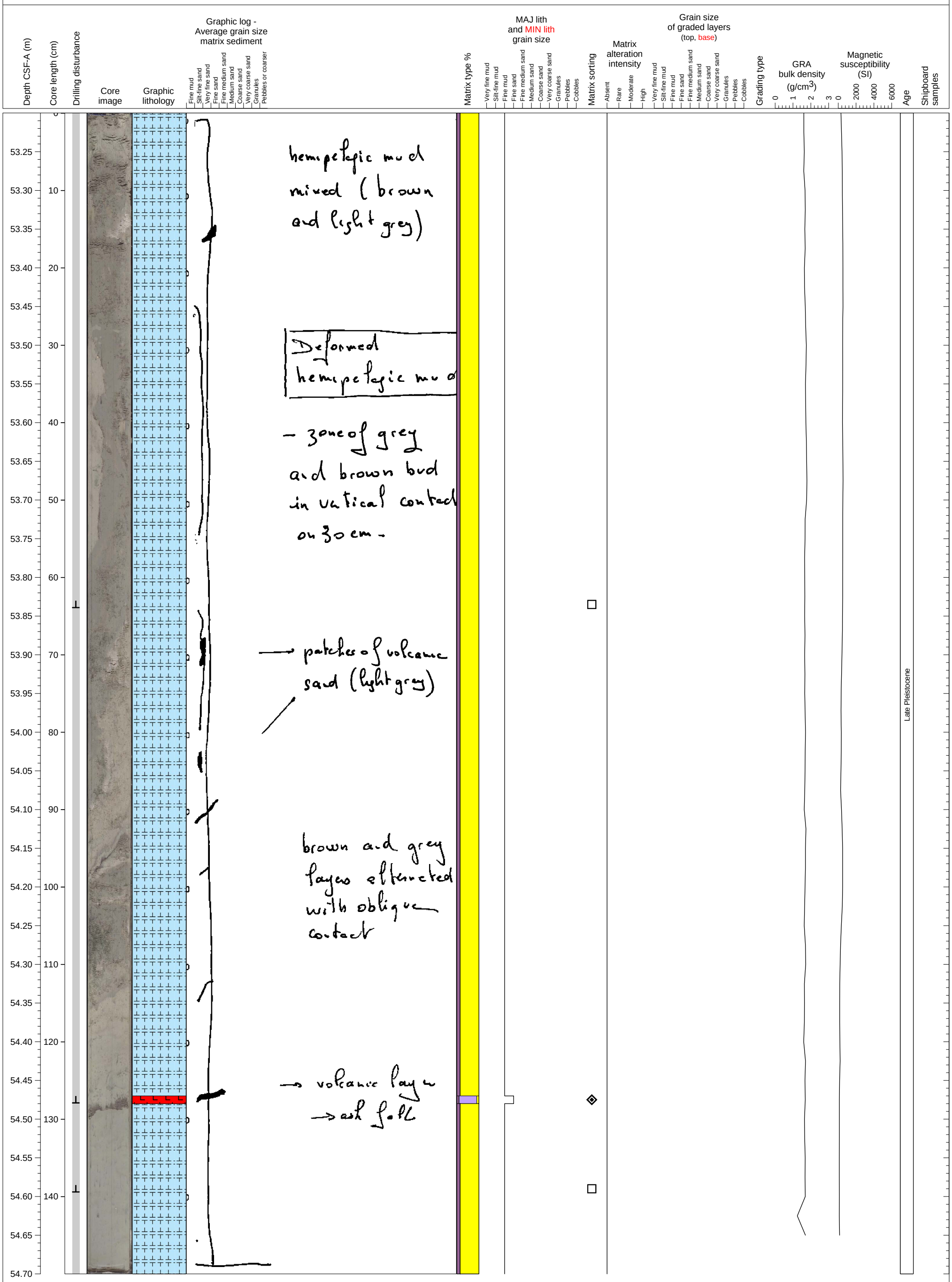
Hole 340-U1399B-6H Section CC, Top of Section: 53.18 CSF-A (m)

Muddy sand (debrite?)



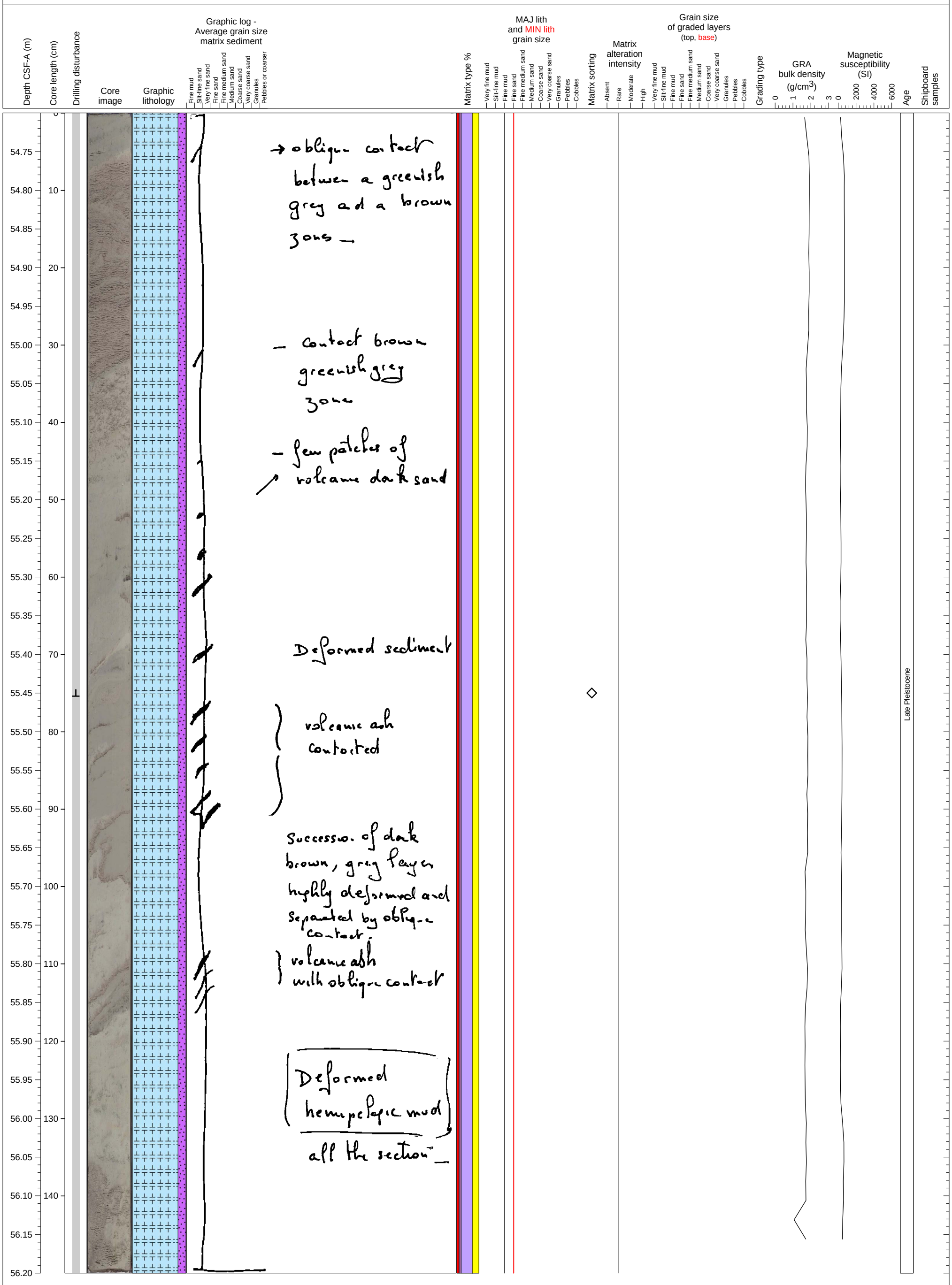
Hole 340-U1399B-7H Section 1, Top of Section: 53.2 CSF-A (m)

Very chaotic. Hemipelagic sediment with a thin ash layer.



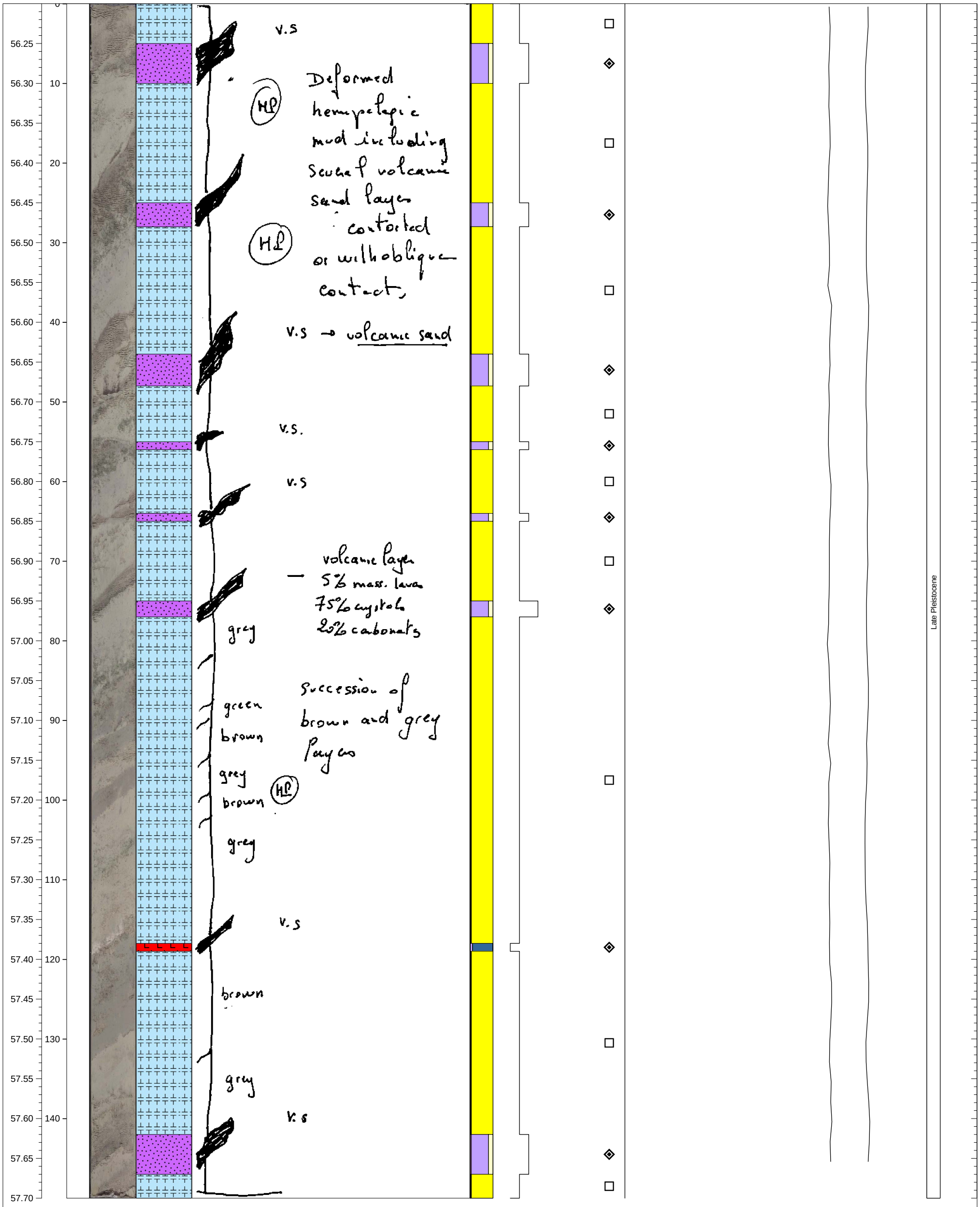
Hole 340-U1399B-7H Section 2, Top of Section: 54.7 CSF-A (m)

Very chaotic. Hemipelagic sediment with many disturbed thin ash layers.



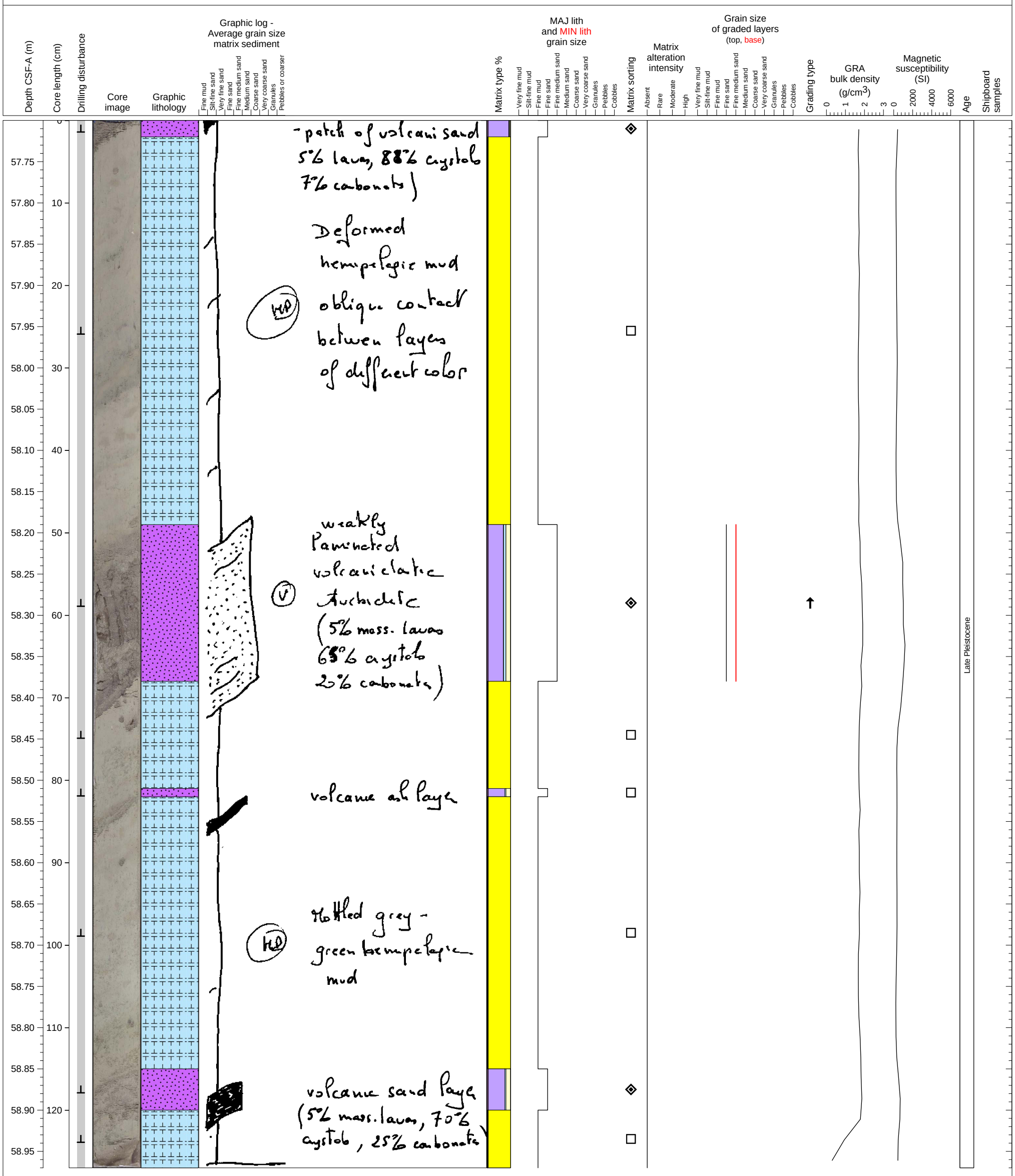
Hole 340-U1399B-7H Section 3, Top of Section: 56.2 CSF-A (m)

Hemipelagic sediments with at least 8 thin volcaniclastic sand layers.



Hole 340-U1399B-7H Section 4, Top of Section: 57.7 CSF-A (m)

Hemipelagite with thin volcaniclastic sand layers.



Hole 340-U1399B-7H Section 5, Top of Section: 58.97 CSF-A (m)

Part of a 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

59.00
59.05
59.10
59.15
59.20
59.25
59.30
59.35
59.40
59.45
59.50
59.55
59.60
59.65
59.70
59.75
59.80
59.85
59.90
59.95
60.00
60.05
60.10
60.15
60.20
60.25
60.30
60.35
60.40
60.45

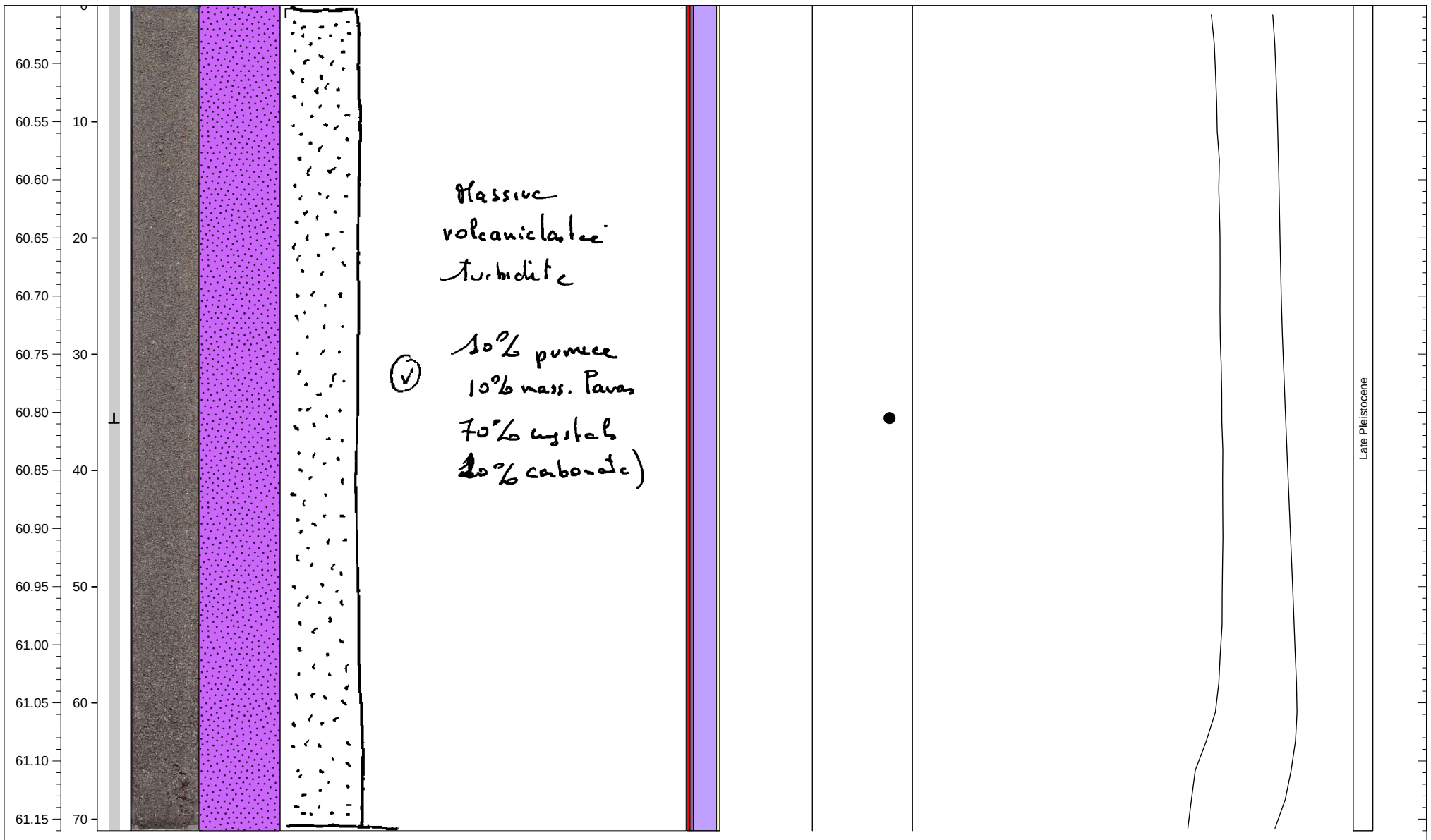
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

Grey volcaniclastic turbidite
- massive
with few pumice clasts (rounded)
+ few yellow altered pumice clasts

Late Pleistocene

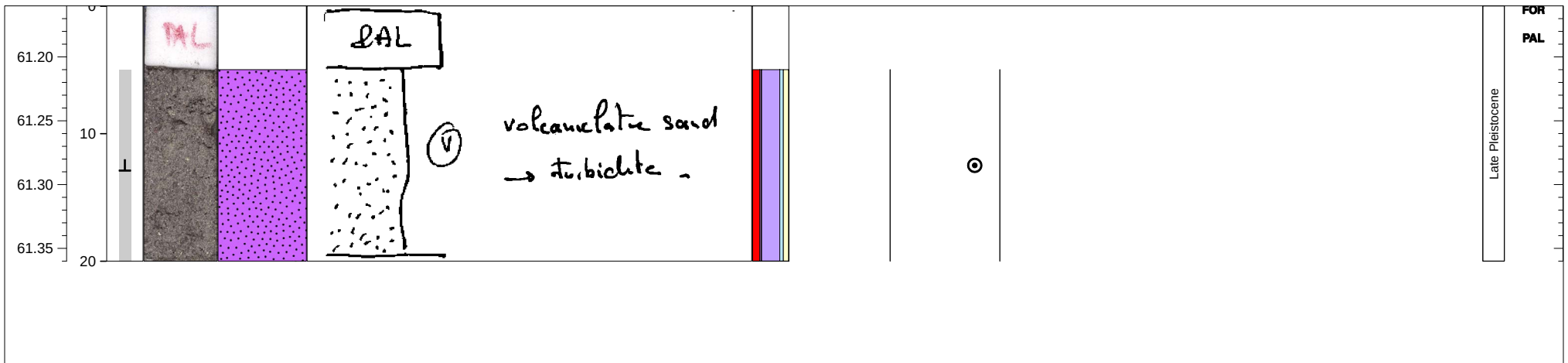
Hole 340-U1399B-7H Section 6, Top of Section: 60.45 CSF-A (m)

Massive volcaniclastic turbidite



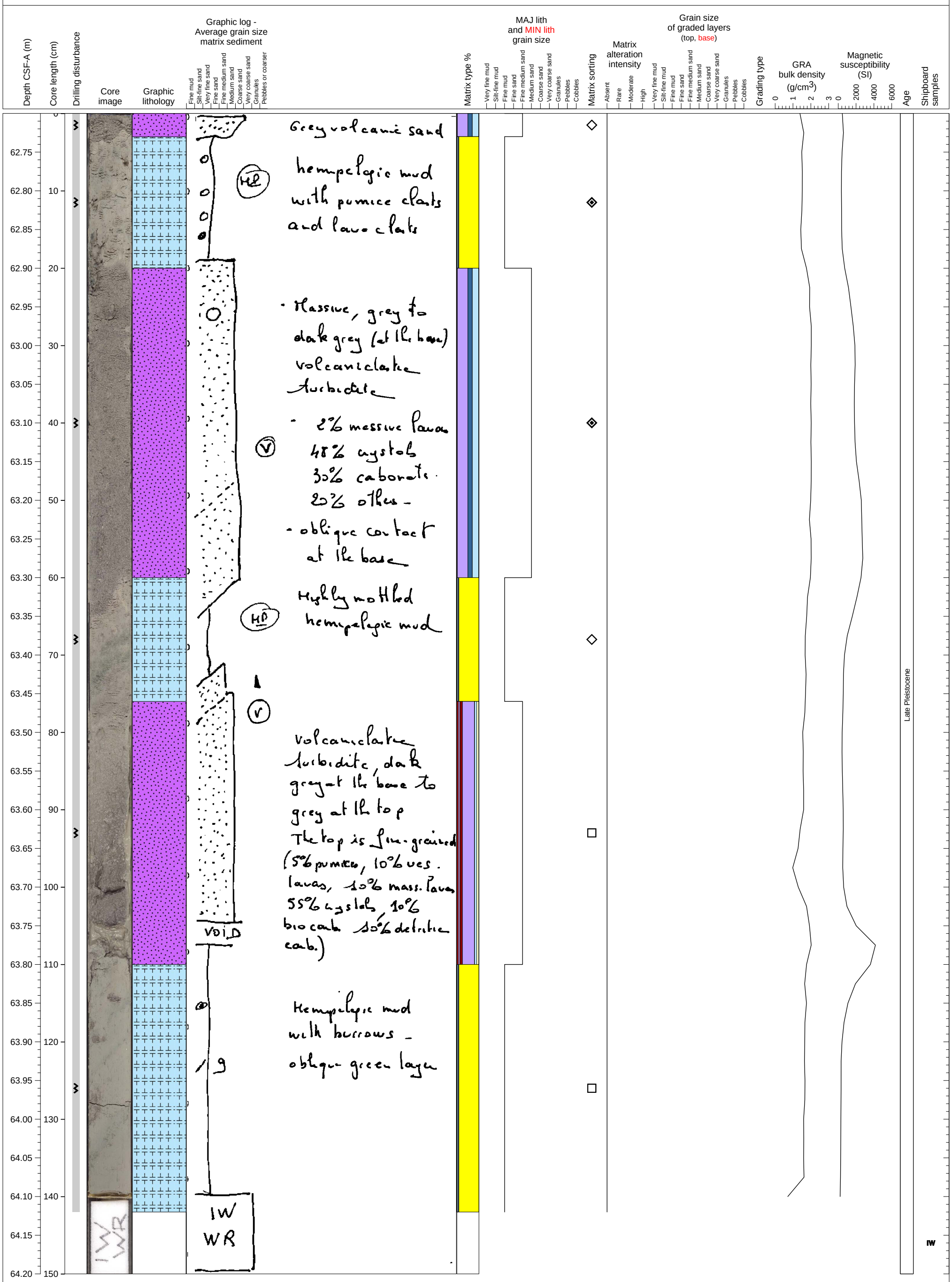
Hole 340-U1399B-7H Section CC, Top of Section: 61.16 CSF-A (m)

Massive volcaniclastic turbidite



Hole 340-U1399B-8H Section 1, Top of Section: 62.7 CSF-A (m)

Hemipelagic fine sediment with 10s of cms thick turbidite units.



Hole 340-U1399B-8H Section 2, Top of Section: 64.2 CSF-A (m)

Mottled 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)
Magnetic susceptibility (SI)
Age
Shipboard samples

64.25 – 10
64.30
64.35 – 20
64.40
64.45 – 30
64.50
64.55 – 40
64.60
64.65 – 50
64.70
64.75 – 60
64.80
64.85 – 70
64.90
64.95 – 80
65.00
65.05 – 90
65.10
65.15 – 100
65.20
65.25 – 110
65.30
65.35 – 120
65.40
65.45 – 130
65.50
65.55 – 140
65.60
65.65 – 150
65.70

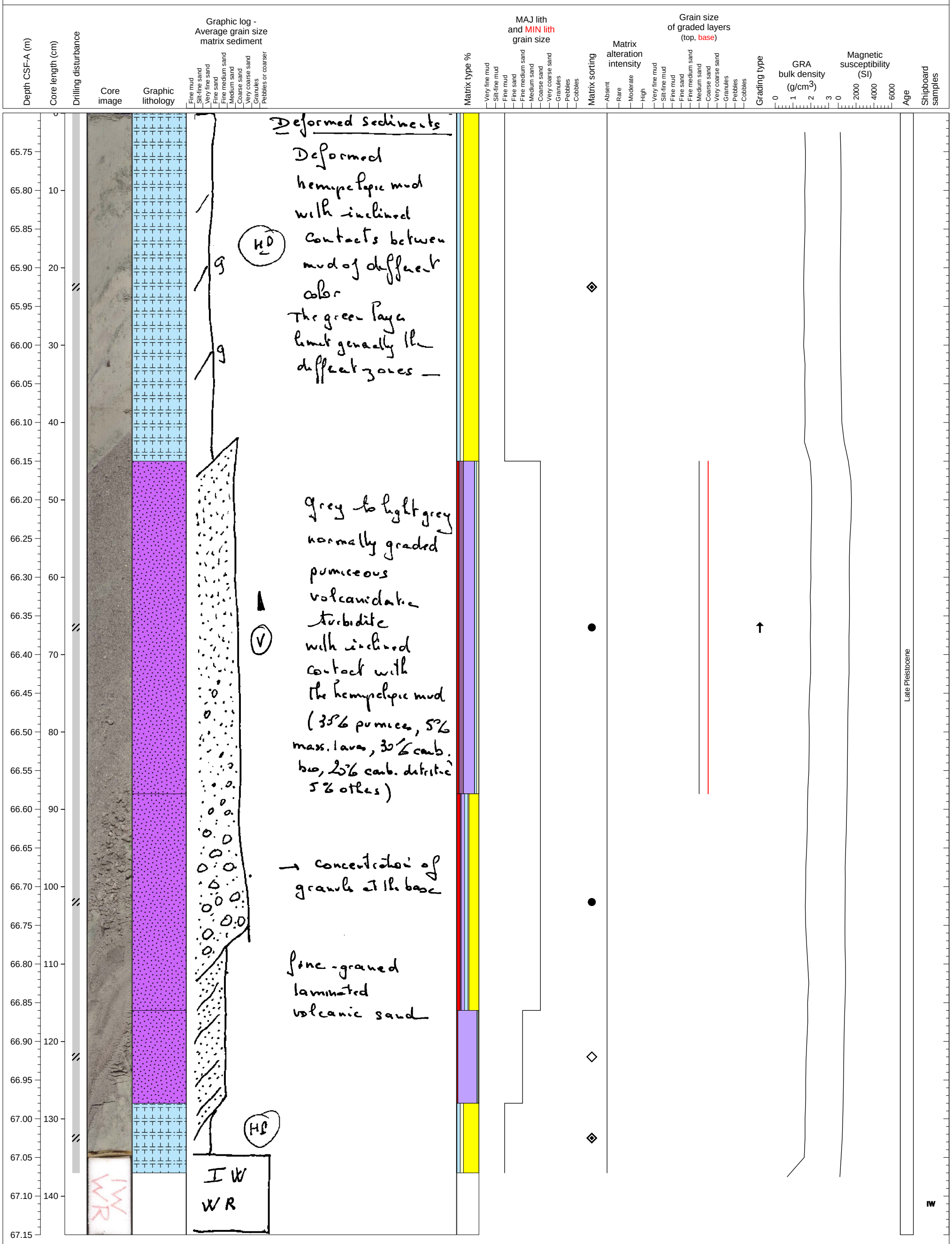
Deformed hemipelagic mud with oblique contacts between layers of different color the thin green layers indicate very well the deformation and the oblique limits.

HP

Late Pleistocene

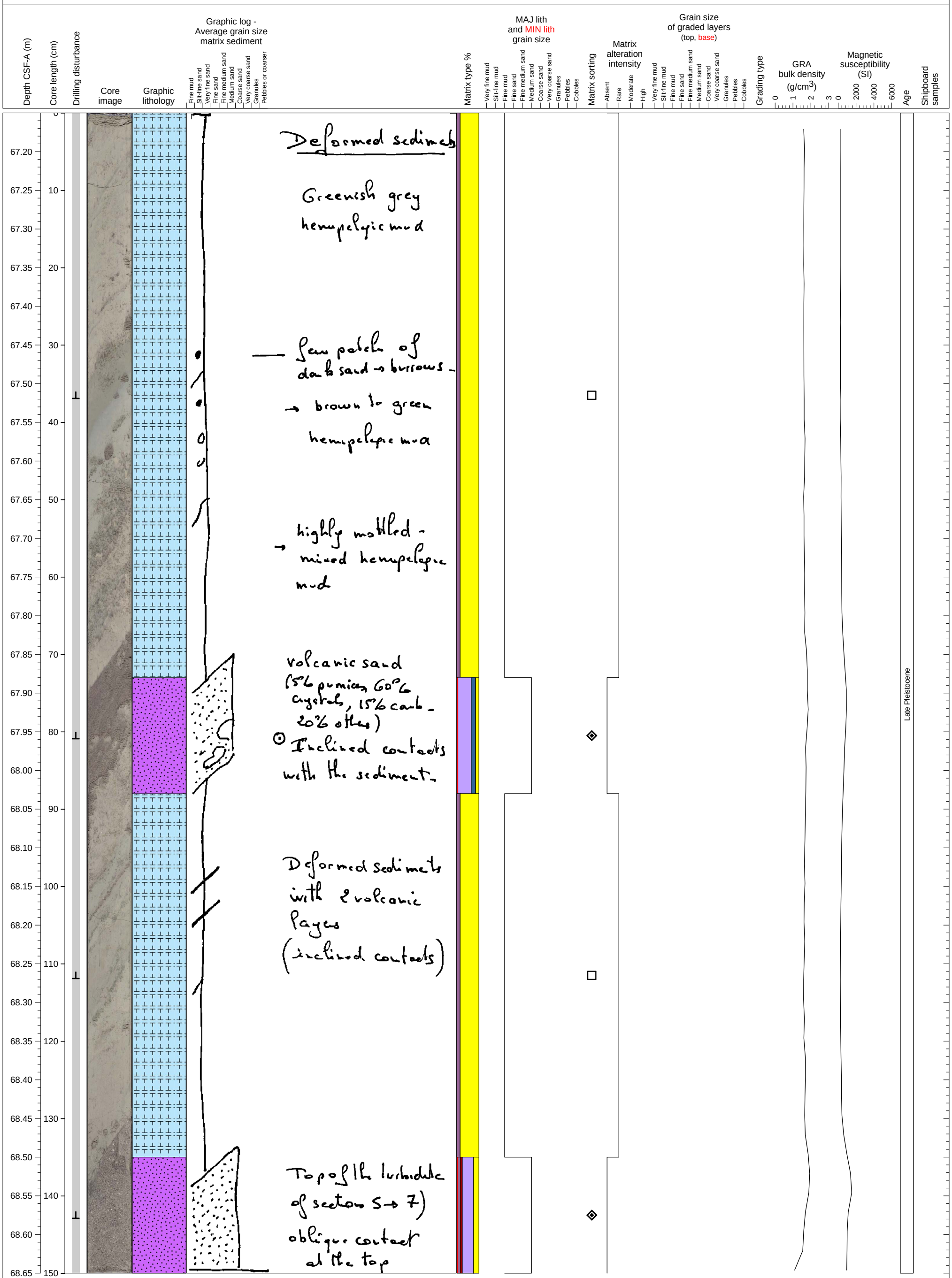
Hole 340-U1399B-8H Section 3, Top of Section: 65.7 CSF-A (m)

Volcaniclastic turbidite within hemipelagite.



Hole 340-U1399B-8H Section 4, Top of Section: 67.15 CSF-A (m)

Hemipelagic sediment with two volcaniclastic sand unit. All sequence is tilted.



Hole 340-U1399B-8H Section 5, Top of Section: 68.65 CSF-A (m)

Part of thick 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

68.70 – 0
68.75 – 10
68.80 –
68.85 – 20
68.90 –
68.95 – 30
69.00 –
69.05 – 40
69.10 –
69.15 – 50
69.20 –
69.25 – 60
69.30 –
69.35 – 70
69.40 –
69.45 – 80
69.50 –
69.55 – 90
69.60 –
69.65 – 100
69.70 –
69.75 – 110
69.80 –
69.85 – 120
69.90 –
69.95 – 130
70.00 –
70.05 – 140
70.10 –
70.15 – 150

Massive pumiceous volcaniclastic turbidite

(V) Abundant pumice clasts and granules few mud clasts

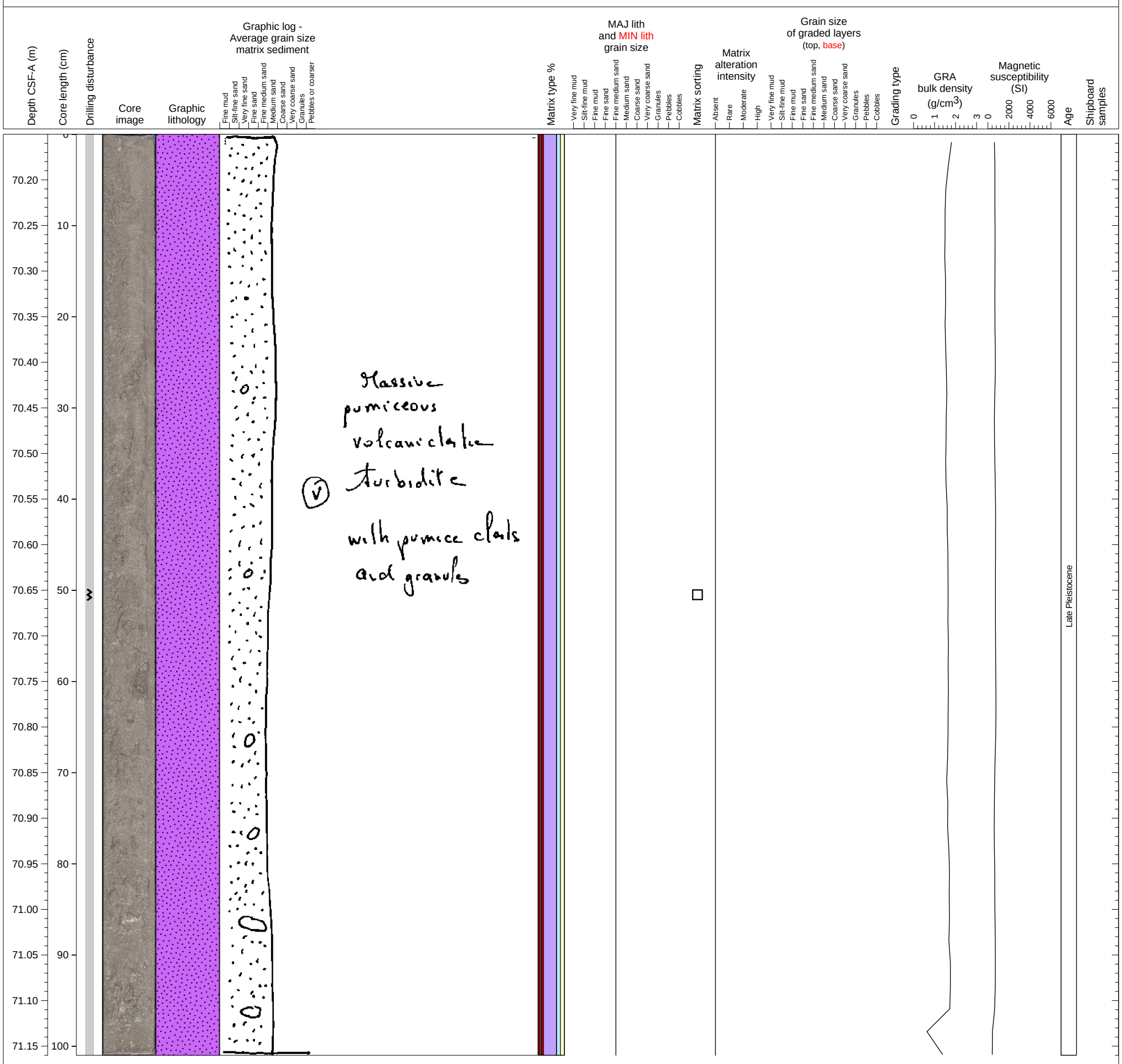
matrix: (5% pumices 5% mass. lavas 10% ves. lavas 5% crystals 15% biocarb. 15% detritus carb.)

Mud clasts

Late Pleistocene

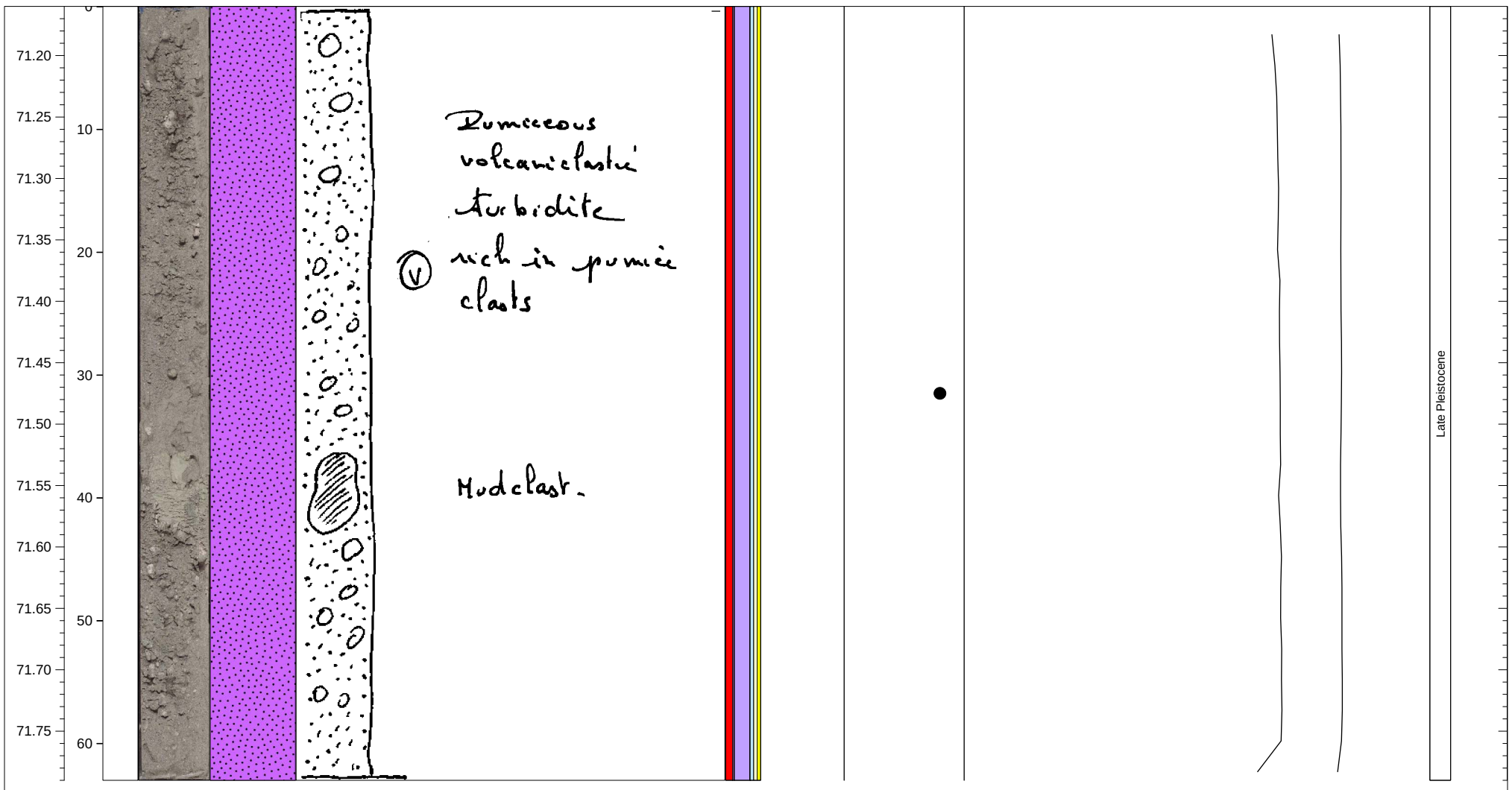
Hole 340-U1399B-8H Section 6, Top of Section: 70.15 CSF-A (m)

Part of thick volcaniclastic turbidite



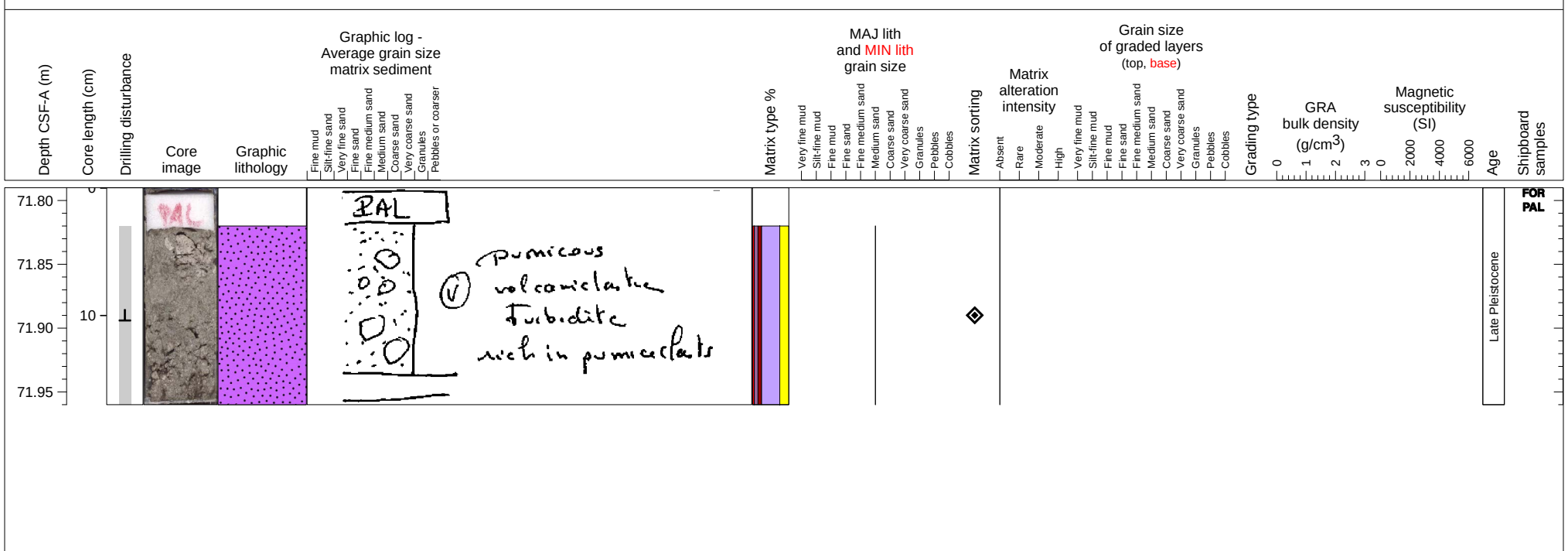
Hole 340-U1399B-8H Section 7, Top of Section: 71.16 CSF-A (m)

Part of thick volcaniclastic turbidite



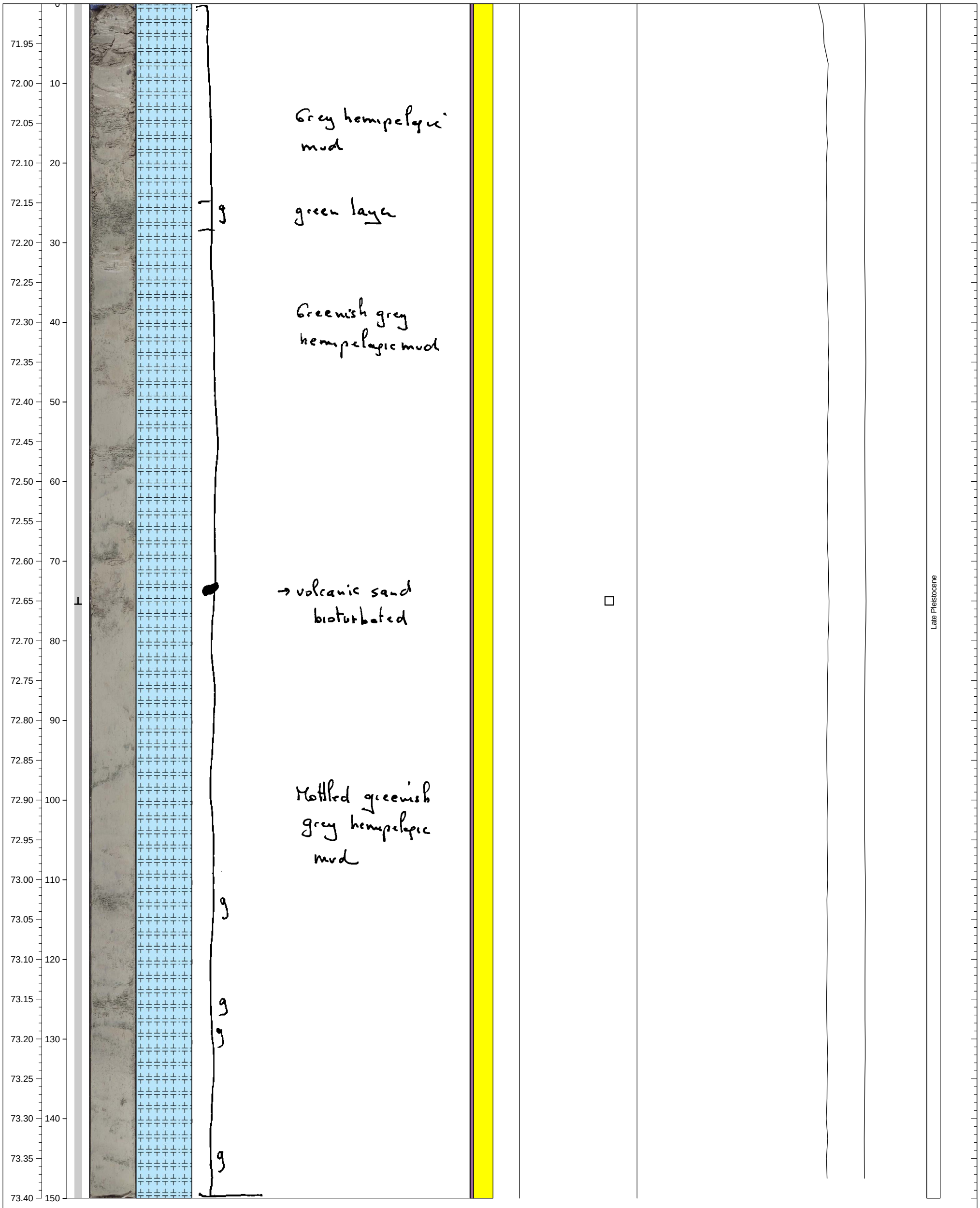
Hole 340-U1399B-8H Section CC, Top of Section: 71.79 CSF-A (m)

Part of a volcaniclastic turbidite.



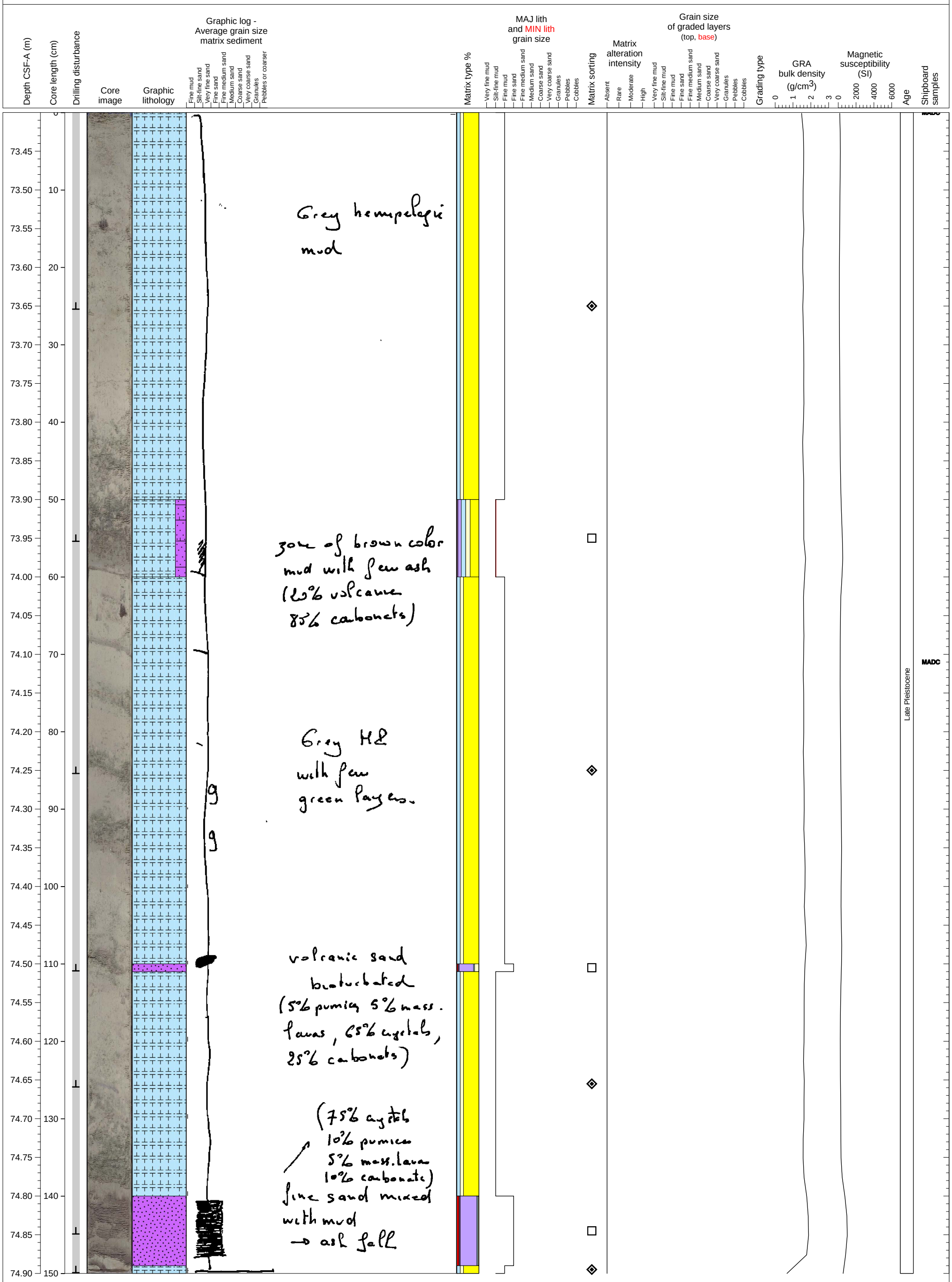
Hole 340-U1399B-9H Section 1, Top of Section: 71.9 CSF-A (m)

Hemipelagic sediment



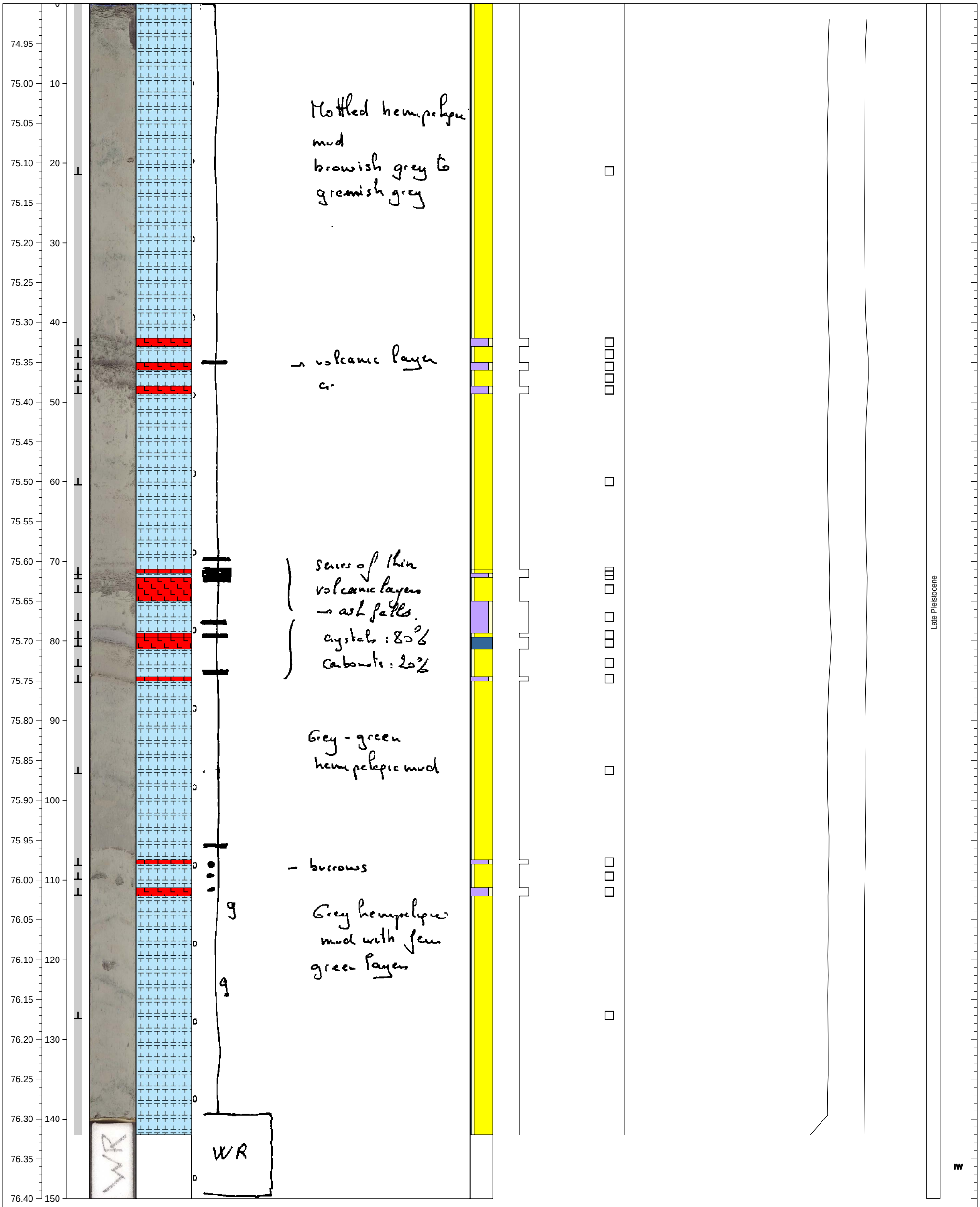
Hole 340-U1399B-9H Section 2, Top of Section: 73.4 CSF-A (m)

Hemipelagic sediment with intercalated volcanic ash layers



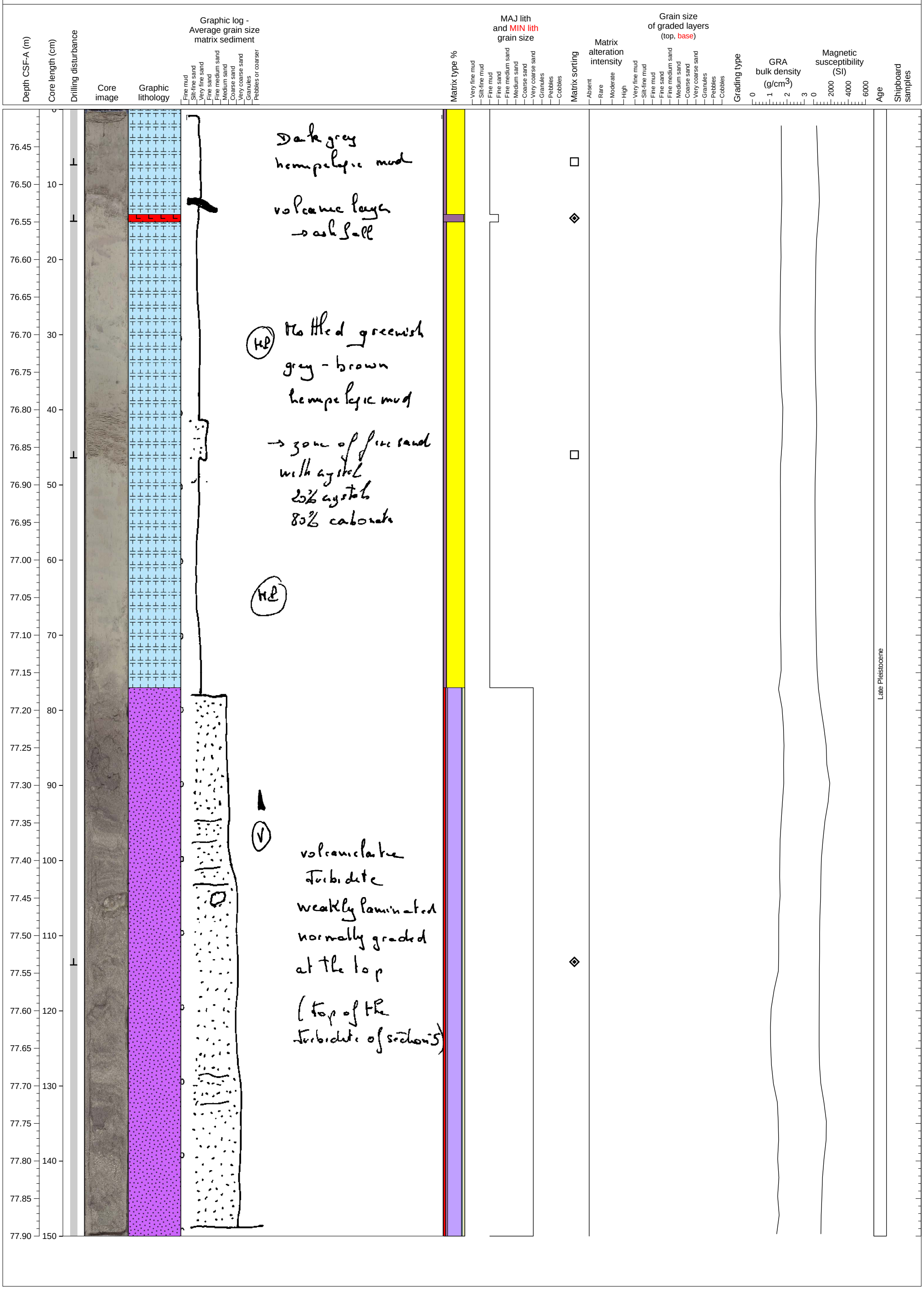
Hole 340-U1399B-9H Section 3, Top of Section: 74.9 CSF-A (m)

Hempelagite with at least 10 thin ashfall layers.



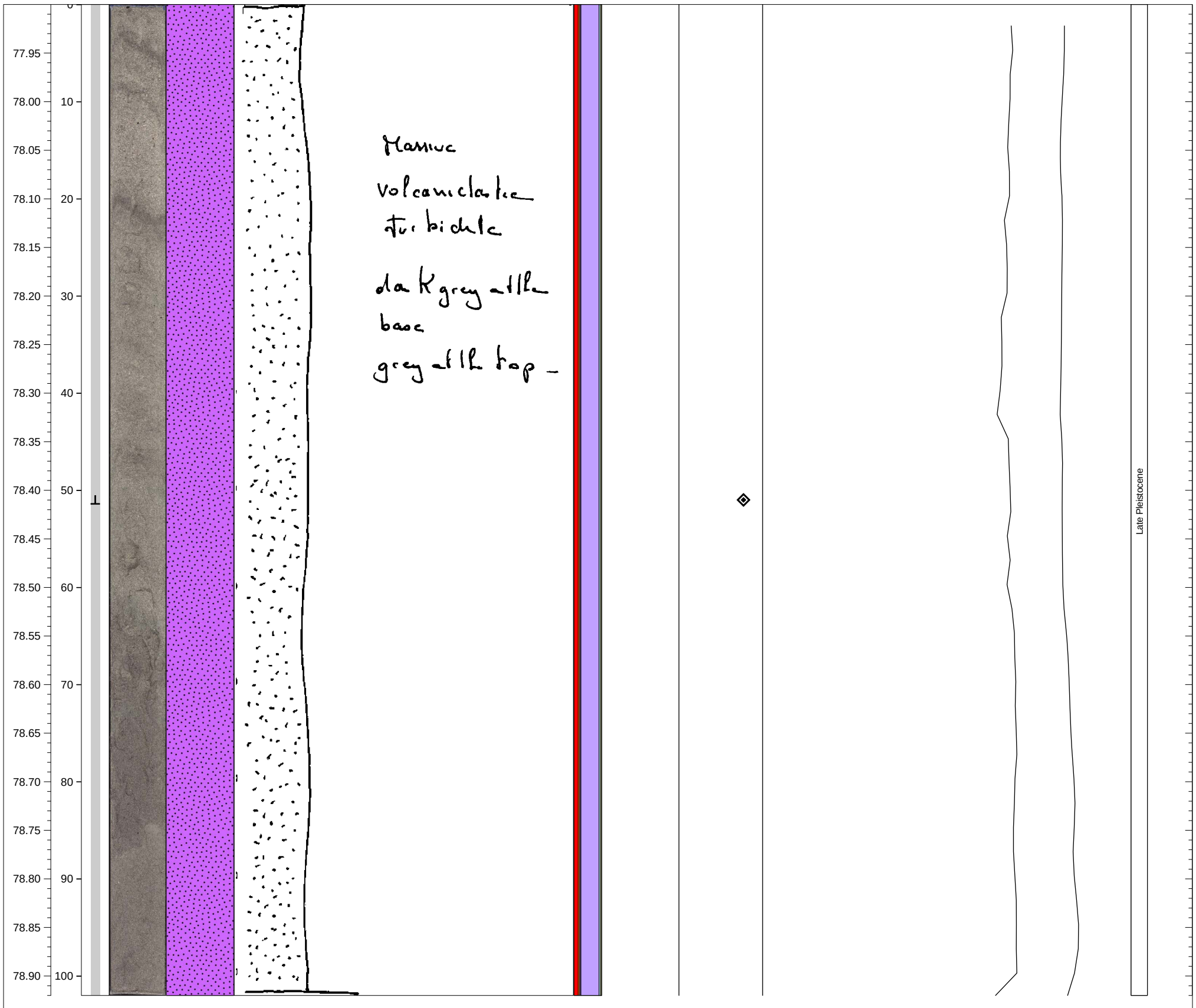
Hole 340-U1399B-9H Section 4, Top of Section: 76.4 CSF-A (m)

Hemipelagic sediment with a thin ash layer interbedded, overlying part of a volcanilcasltic turbidite.



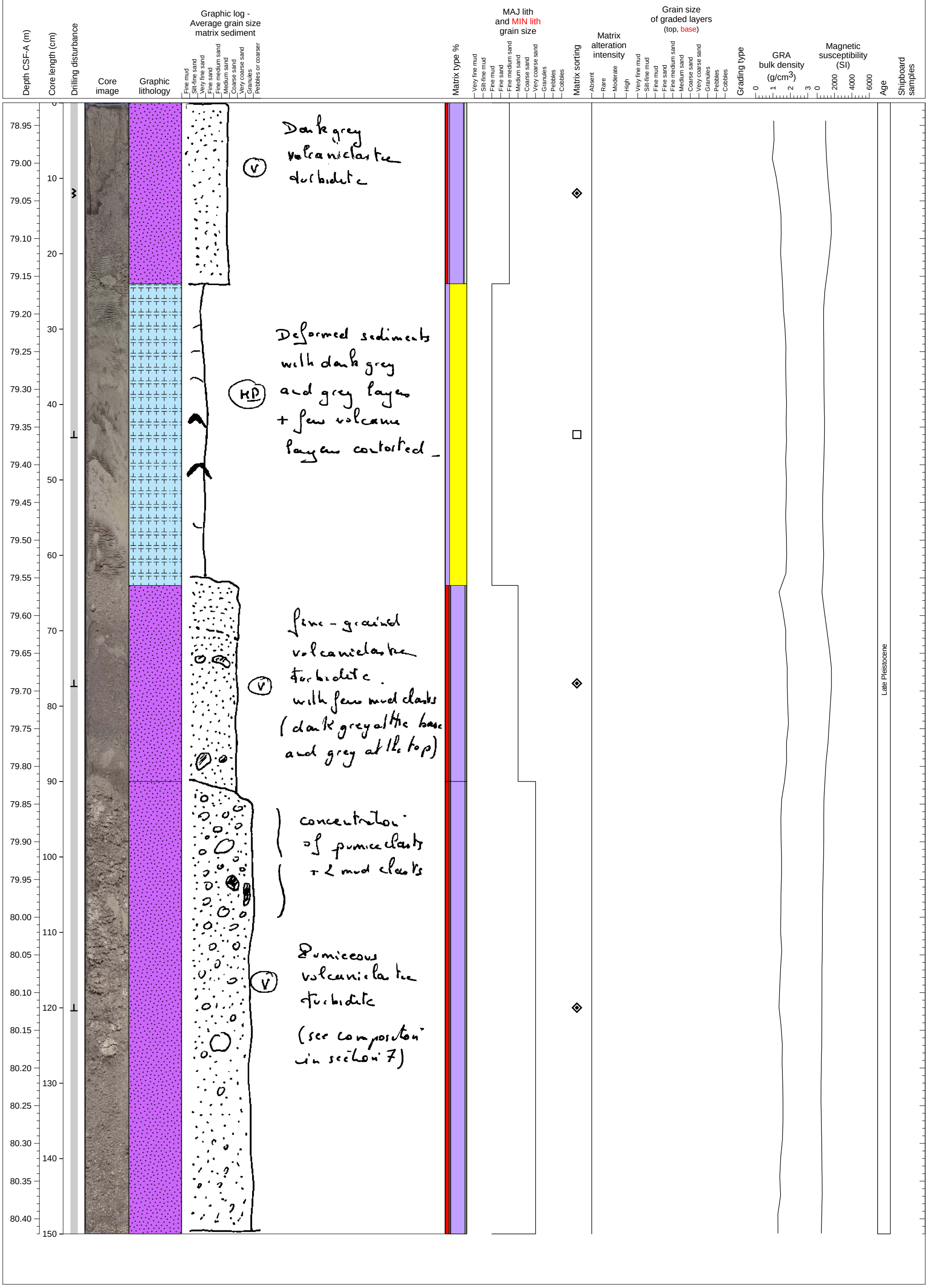
Hole 340-U1399B-9H Section 5, Top of Section: 77.9 CSF-A (m)

Part of a volcaniclastic turbidite



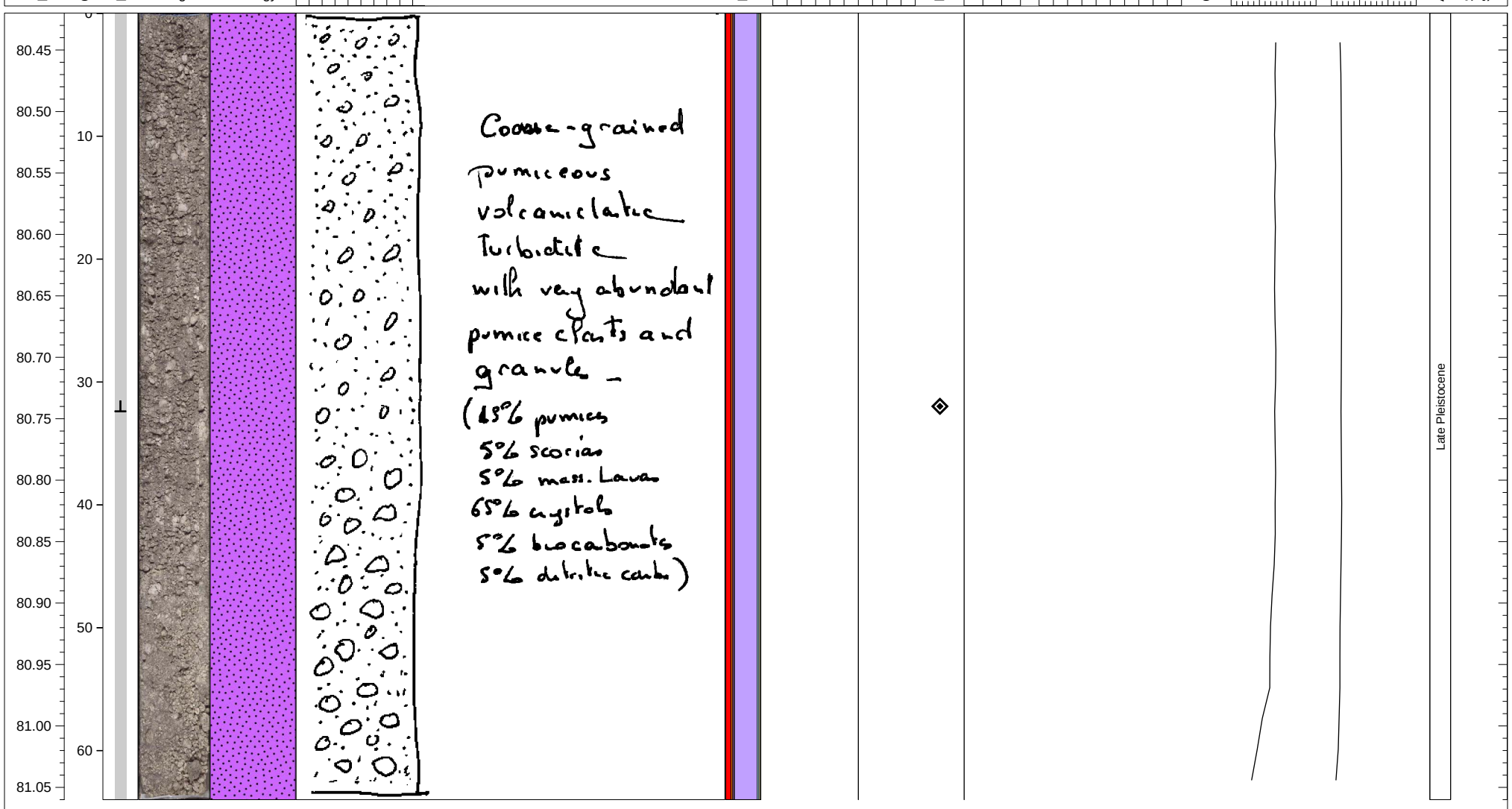
Hole 340-U1399B-9H Section 6, Top of Section: 78.92 CSF-A (m)

Several volcaniclastic sand units with a single hemipelagic unit.



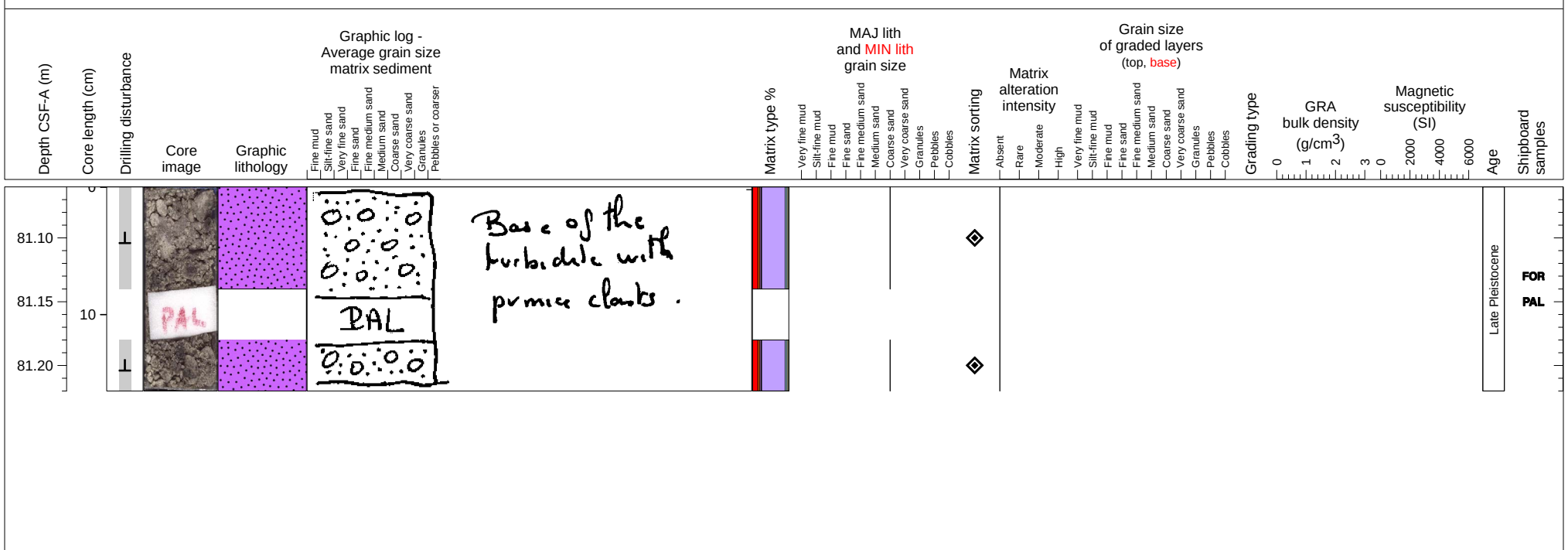
Hole 340-U1399B-9H Section 7, Top of Section: 80.42 CSF-A (m)

Part of a pumice-rich volcaniclastic turbidite



Hole 340-U1399B-9H Section CC, Top of Section: 81.06 CSF-A (m)

Very coarse, clast supported, pumice-rich volcaniclastic sand.



Hole 340-U1399B-10H Section 1, Top of Section: 81.2 CSF-A (m)

Upper half is occupied by hemipelagic fines with thin volcaniclastic sand layers. Lower half is top part of a thick turbidite from the section 2.

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

81.25 – 10
81.30
81.35
81.40 – 20
81.45
81.50 – 30
81.55
81.60 – 40
81.65
81.70 – 50
81.75
81.80 – 60
81.85
81.90 – 70
81.95
82.00 – 80
82.05
82.10 – 90
82.15
82.20 – 100
82.25
82.30 – 110
82.35
82.40 – 120
82.45
82.50 – 130
82.55
82.60 – 140
82.65
82.70 – 150

volcanic sand

grey hemipelagic mud

burrows (patches of dark sand)

– volcanic sand layer (5% mass. lavas 75% crystals 20% carbonate)

fine volcanic sand dark grey (25% pumice, 5% ves. lavas, 40% crystals 20% biocarb. 20% detrital carbonate)
Grey hemipelagic mud

→ fine volcanic ash bioturbated

← top of the turbidite (7,10 m thick)
top of the thick volcaniclastic turbidite
fine sand at the top to fine-medium sand at the base of the section.

Late Pleistocene
MADC

Hole 340-U1399B-10H Section 2, Top of Section: 82.7 CSF-A (m)

Massive volcaniclastic turbidite with 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

82.75
82.80
82.85
82.90
82.95
83.00
83.05
83.10
83.15
83.20
83.25
83.30
83.35
83.40
83.45
83.50
83.55
83.60
83.65
83.70
83.75
83.80
83.85
83.90
83.95
84.00
84.05
84.10

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

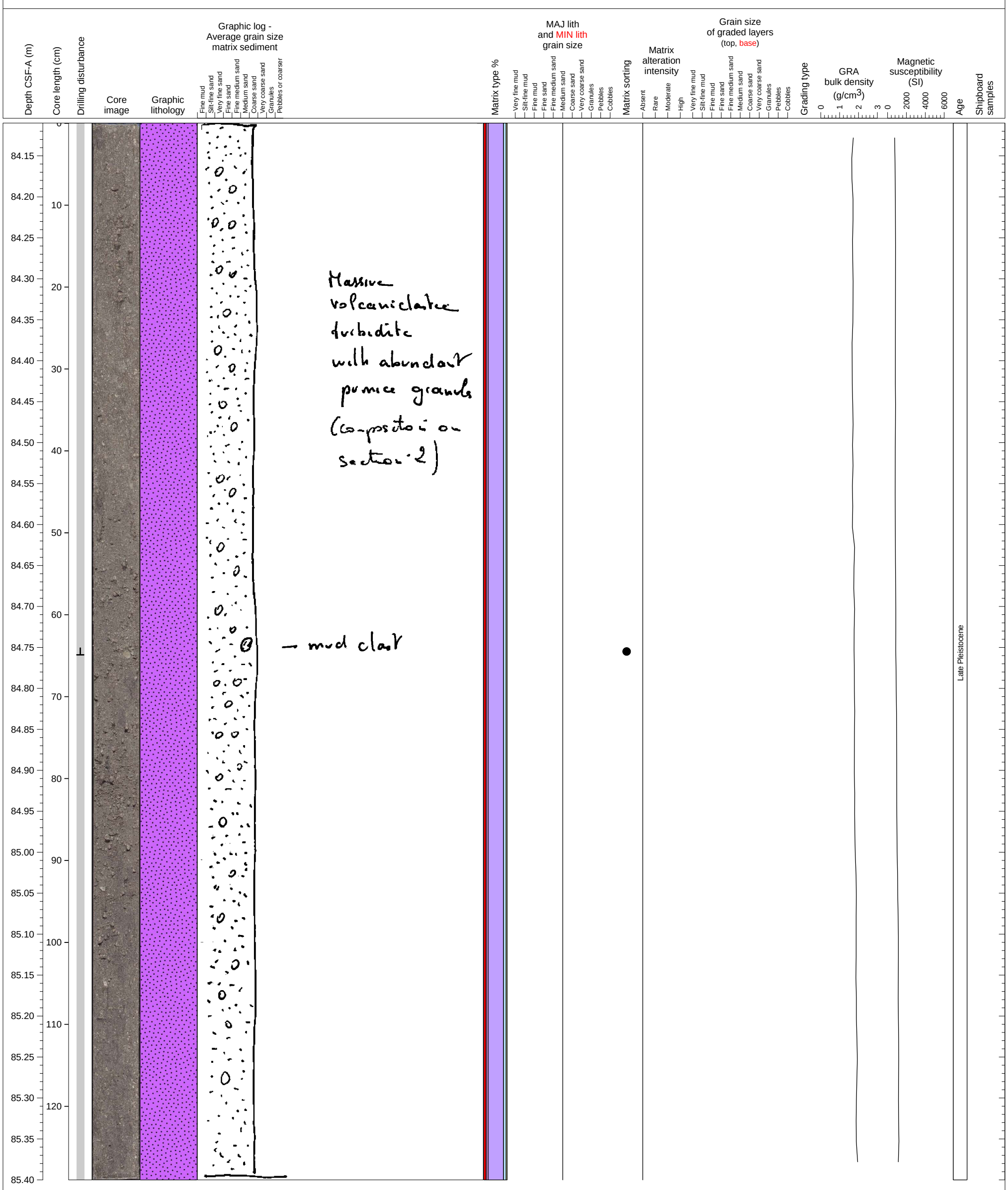
Massive
volcaniclastic
turbidite
with abundant
pumice granule

(matrix:
5% pumice
15% lavas mass.
70% cryst.
5% bio. carb.
5% detritic carb.)

Late Pleistocene

Hole 340-U1399B-10H Section 3, Top of Section: 84.11 CSF-A (m)

Massive volcaniclastic turbidite with pumice and sediment clasts



Hole 340-U1399B-10H Section 4, Top of Section: 85.4 CSF-A (m)

Part of a pumice-rich 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

85.45
85.50
85.55
85.60
85.65
85.70
85.75
85.80
85.85
85.90
85.95
86.00
86.05
86.10
86.15
86.20
86.25
86.30
86.35
86.40
86.45
86.50
86.55
86.60
86.65

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

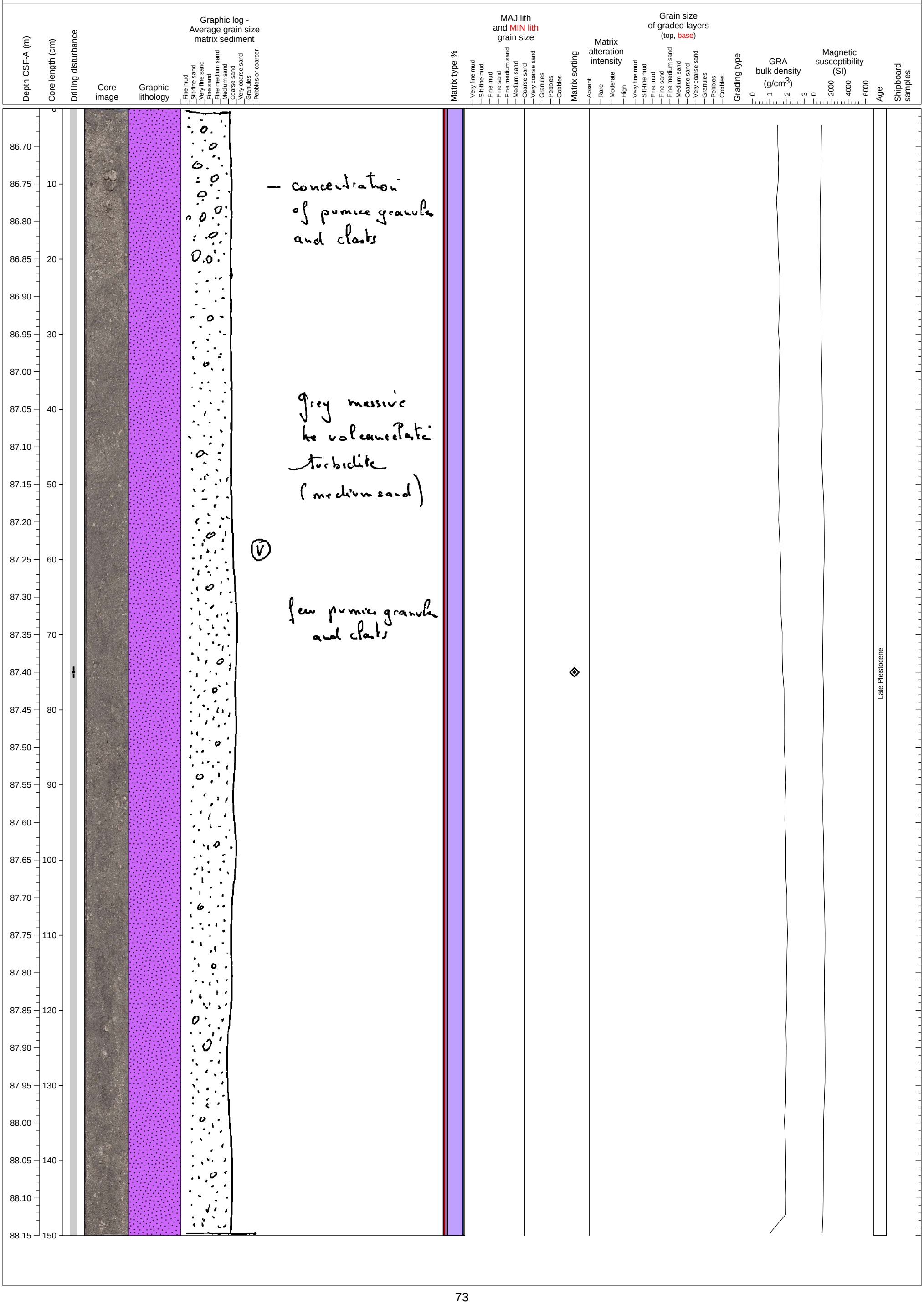
Massive volcaniclastic turbidite

(composition section 2)

Late Pleistocene

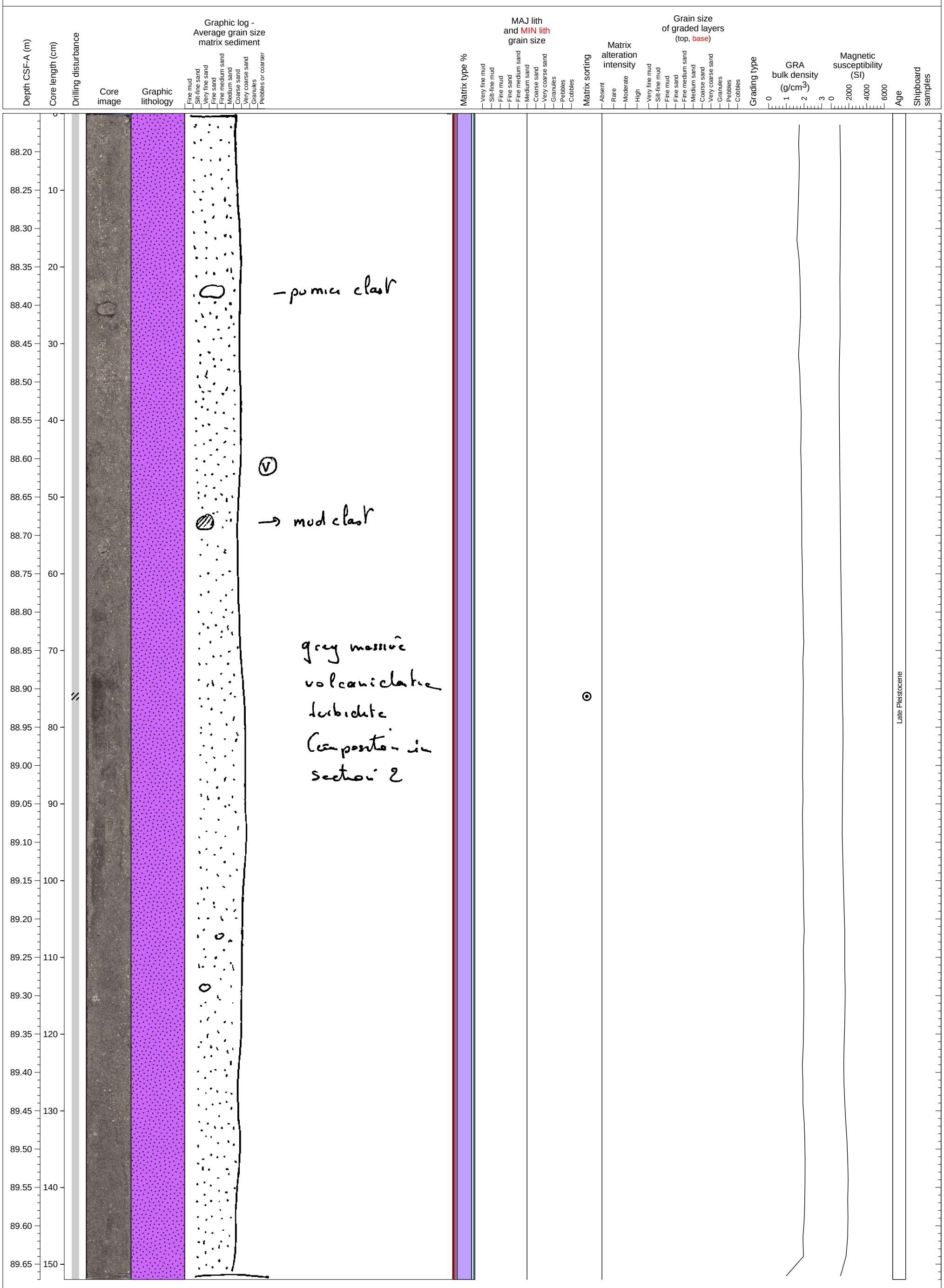
Hole 340-U1399B-10H Section 5, Top of Section: 86.65 CSF-A (m)

Part of a pumice-rich volcaniclastic turbidite



Hole 340-U1399B-10H Section 6, Top of Section: 88.15 CSF-A (m)

Massive volcaniclastic turbidite with pumice and sediment clasts

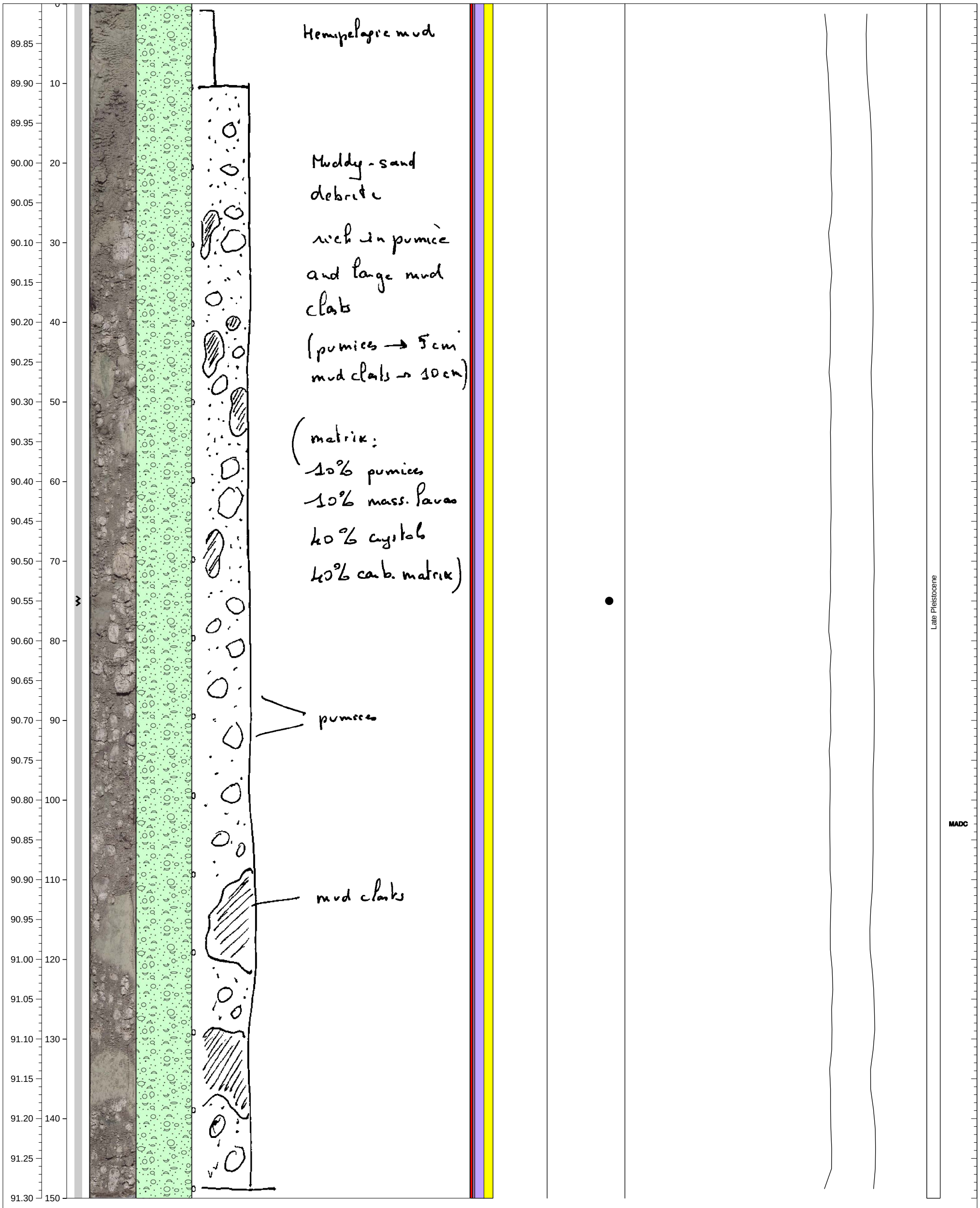


Hole 340-U1399B-10H Section CC, Top of Section: 89.67 CSF-A (m)

Part of a pumice-rich volcaniclastic turbidite

Hole 340-U1399B-11H Section 1, Top of Section: 89.8 CSF-A (m)

Muddy sand unit with large pumice and hemipelagic sediment clasts (debirs flow?)



Hole 340-U1399B-11H Section 2, Top of Section: 91.3 CSF-A (m)

Debrite with pumice and mud 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)
Magnetic susceptibility (SI)
Age
Shipboard samples

Muddy sand debrite with abundant pumice and mud clasts

mud clast

Late Pleistocene

Hole 340-U1399B-11H Section 3, Top of Section: 92.7 CSF-A (m)

Volcaniclastic turbidite? Debrite?

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

92.75
92.80
92.85
92.90
92.95
93.00
93.05
93.10
93.15
93.20
93.25
93.30
93.35
93.40
93.45
93.50
93.55
93.60
93.65
93.70
93.75
93.80
93.85
93.90
93.95
94.00
94.05
94.10
94.15
94.20

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

Dark grey volcaniclastic turbidite normally graded

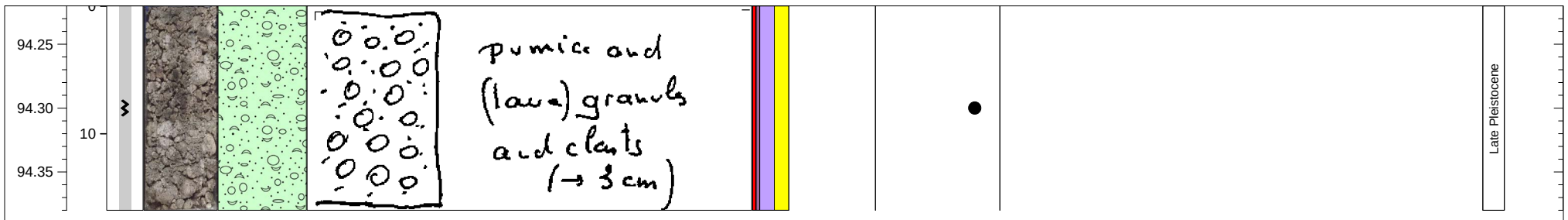
20.0% pumices
20.0% lavas mass.
55% crystals
5% det. carb.

- Abundant pumice clasts and large mud clasts included at the base of the section.

Late Pleistocene

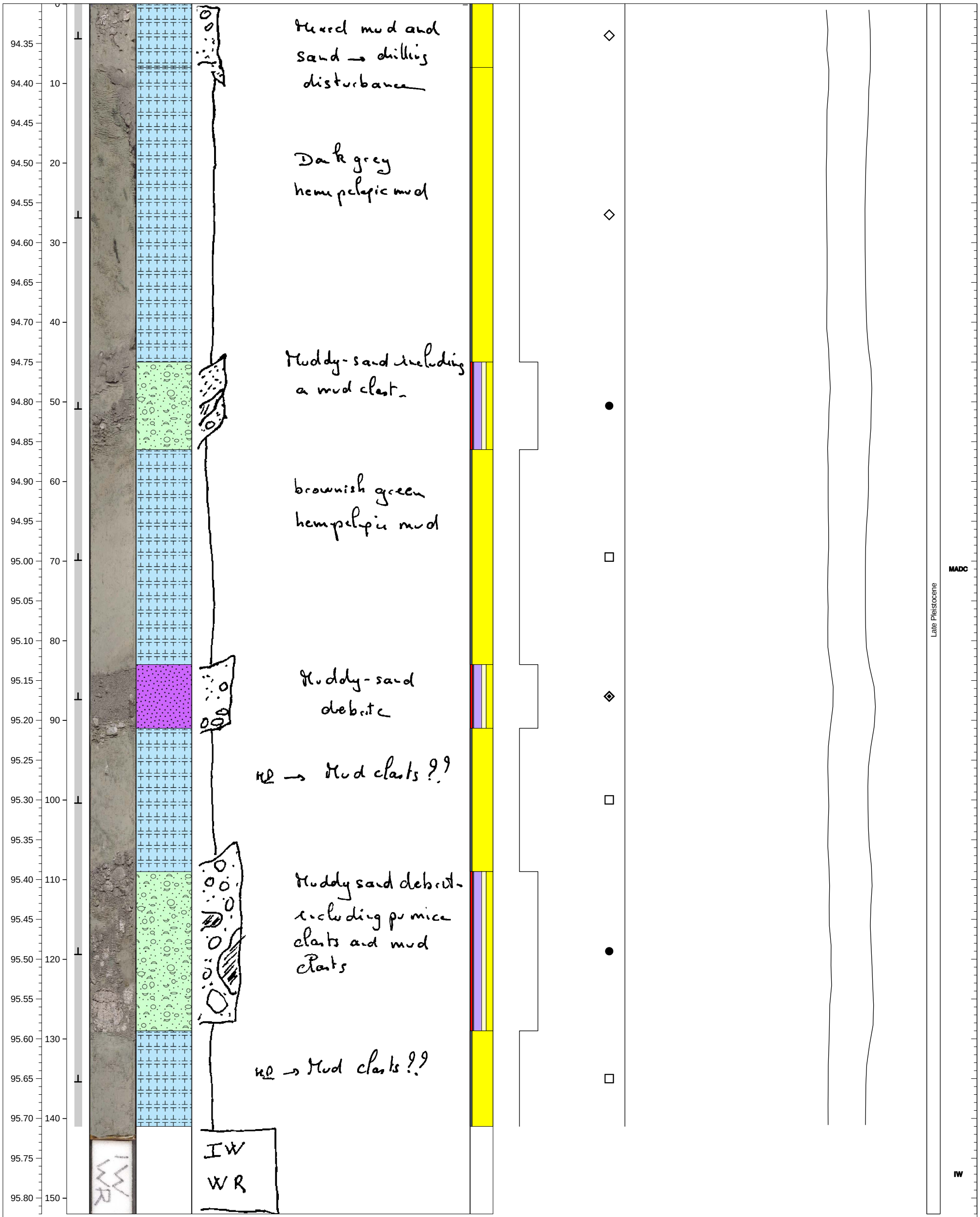
Hole 340-U1399B-11H Section CC, Top of Section: 94.22 CSF-A (m)

Pumice-rich muddy sand, part of debris flow.



Hole 340-U1399B-12H Section 1, Top of Section: 94.3 CSF-A (m)

Chaotic facies. Part of debrite?



Hole 340-U1399B-12H Section 2, Top of Section: 95.82 CSF-A (m)

Intercalation of debrite and hemipelagic sediment, with volcaniclastic turbidite near the bottom

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

Alternated muddy-sand debrite and hemipelagic mud

HE

brownish grey to greenish grey hemipelagic mud

Muddy sand debrite with pumice clasts and mud clasts

Large mud clast ??

HE

Muddy sand debrite including abundant pumice clasts and mud clasts.

top of the turbidite (5 m. 30 thick)

PMG

Late Pleistocene

Hole 340-U1399B-12H Section 3, Top of Section: 97.25 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

97.30
97.35
97.40
97.45
97.50
97.55
97.60
97.65
97.70
97.75
97.80
97.85
97.90
97.95
98.00
98.05
98.10
98.15
98.20
98.25
98.30
98.35
98.40
98.45
98.50
98.55
98.60
98.65

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

Dark grey volcanic turbidite

same composition as section 4

Late Pleistocene

Hole 340-U1399B-12H Section 4, Top of Section: 98.65 CSF-A (m)

Part of a thick 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

98.70
98.75
98.80
98.85
98.90
98.95
99.00
99.05
99.10
99.15
99.20
99.25
99.30
99.35
99.40
99.45
99.50
99.55
99.60
99.65
99.70
99.75
99.80
99.85
99.90
99.95
100.00
100.05

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

Dark grey
volcaniclastic
turbidite
Few large
pumice clasts
(→ 3 cm)

(30% lava mass.
10% lava ves.
50% crystals
10% det. comb.)

Late Pleistocene

Hole 340-U1399B-12H Section 5, Top of Section: 100.07 CSF-A (m)

Part of a thick 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)
Magnetic susceptibility (SI)
Age
Shipboard samples

Late Pleistocene

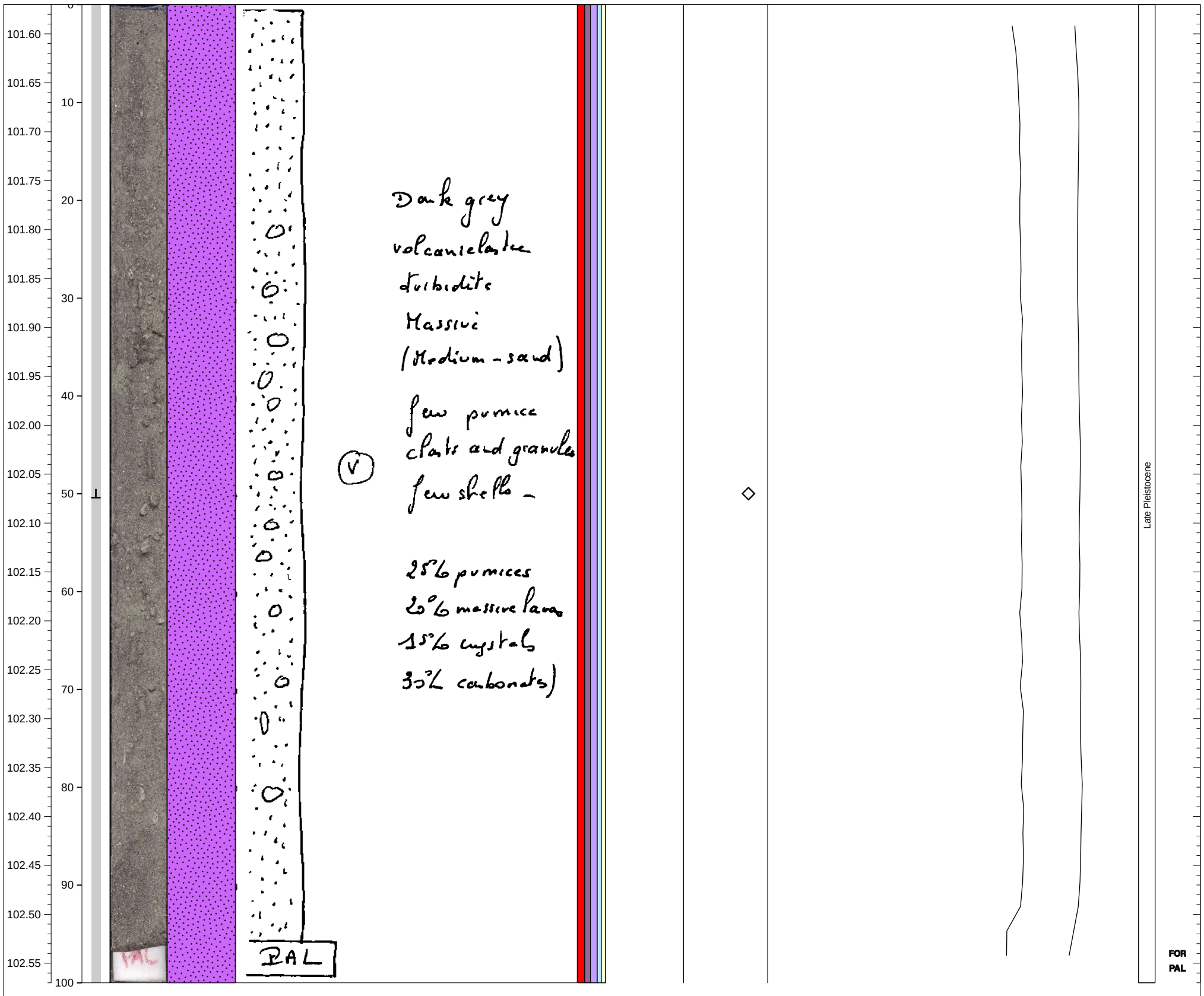
(V) Dark grey volcaniclastic turbidite

few granule and clasts of pumices

(Same composition as section 4)

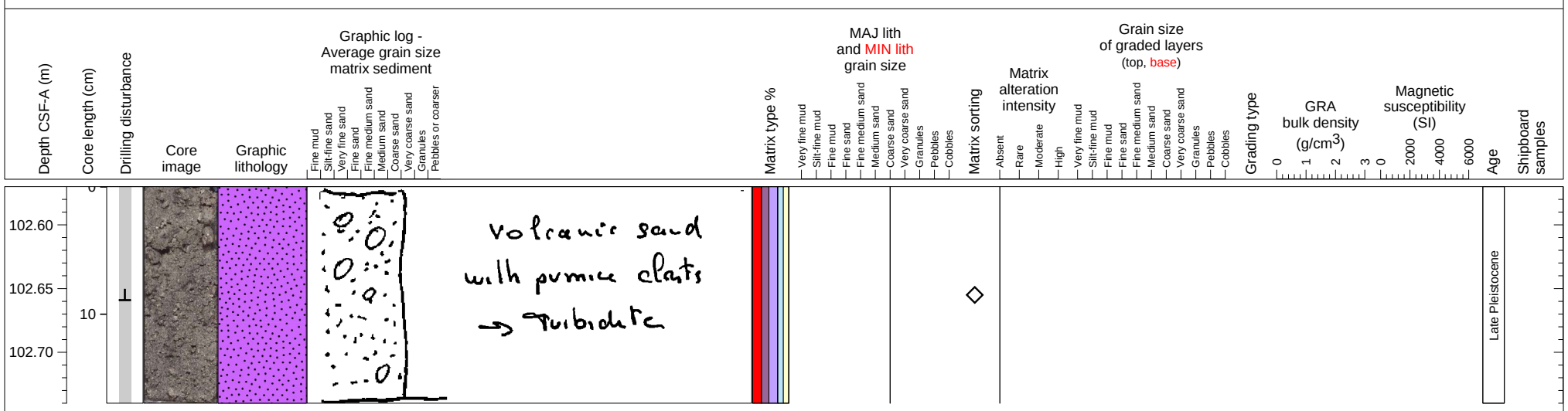
Hole 340-U1399B-12H Section 6, Top of Section: 101.57 CSF-A (m)

Part of a thick volcaniclastic turbidite



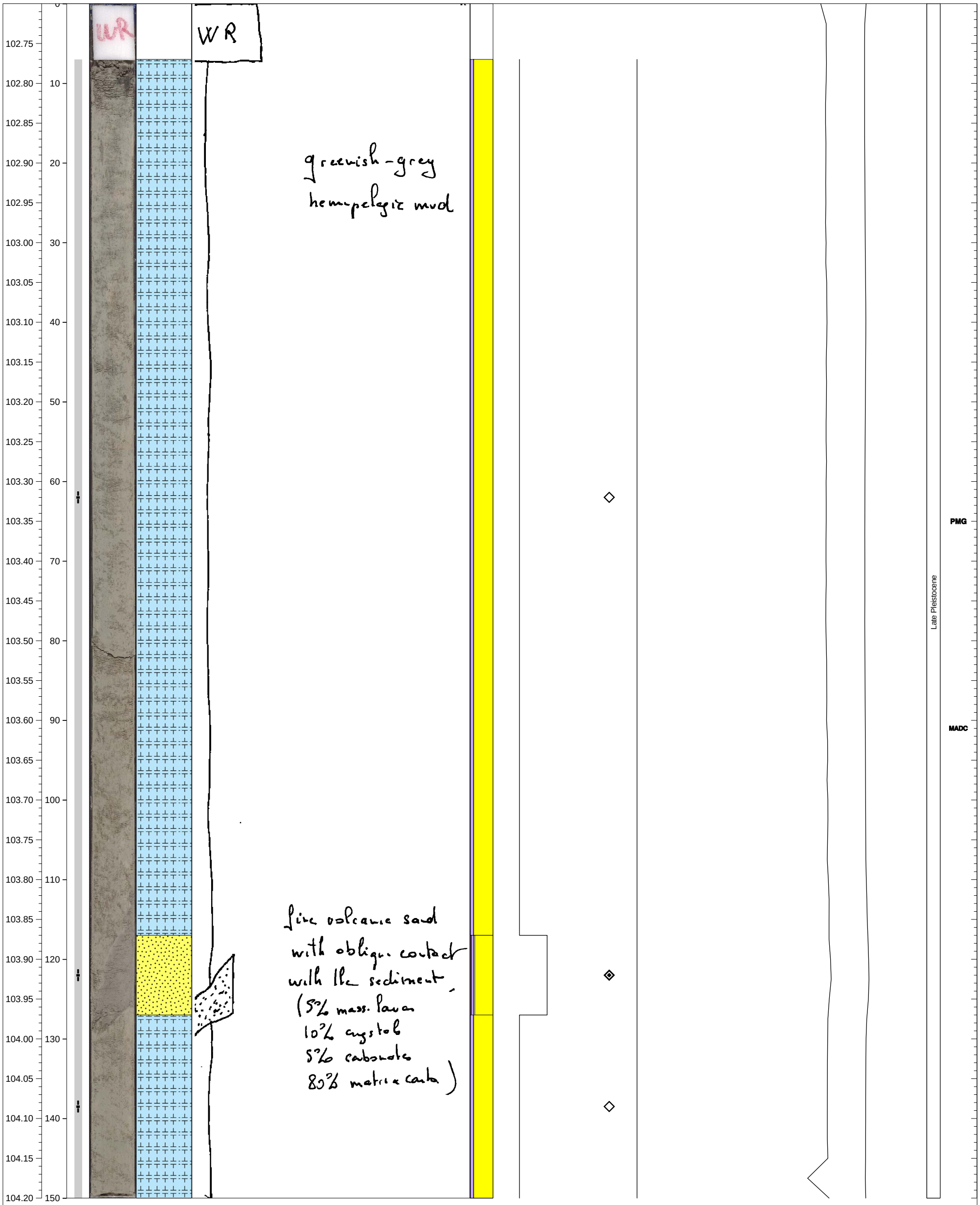
Hole 340-U1399B-12H Section CC, Top of Section: 102.57 CSF-A (m)

Part of a thick volcaniclastic turbidite



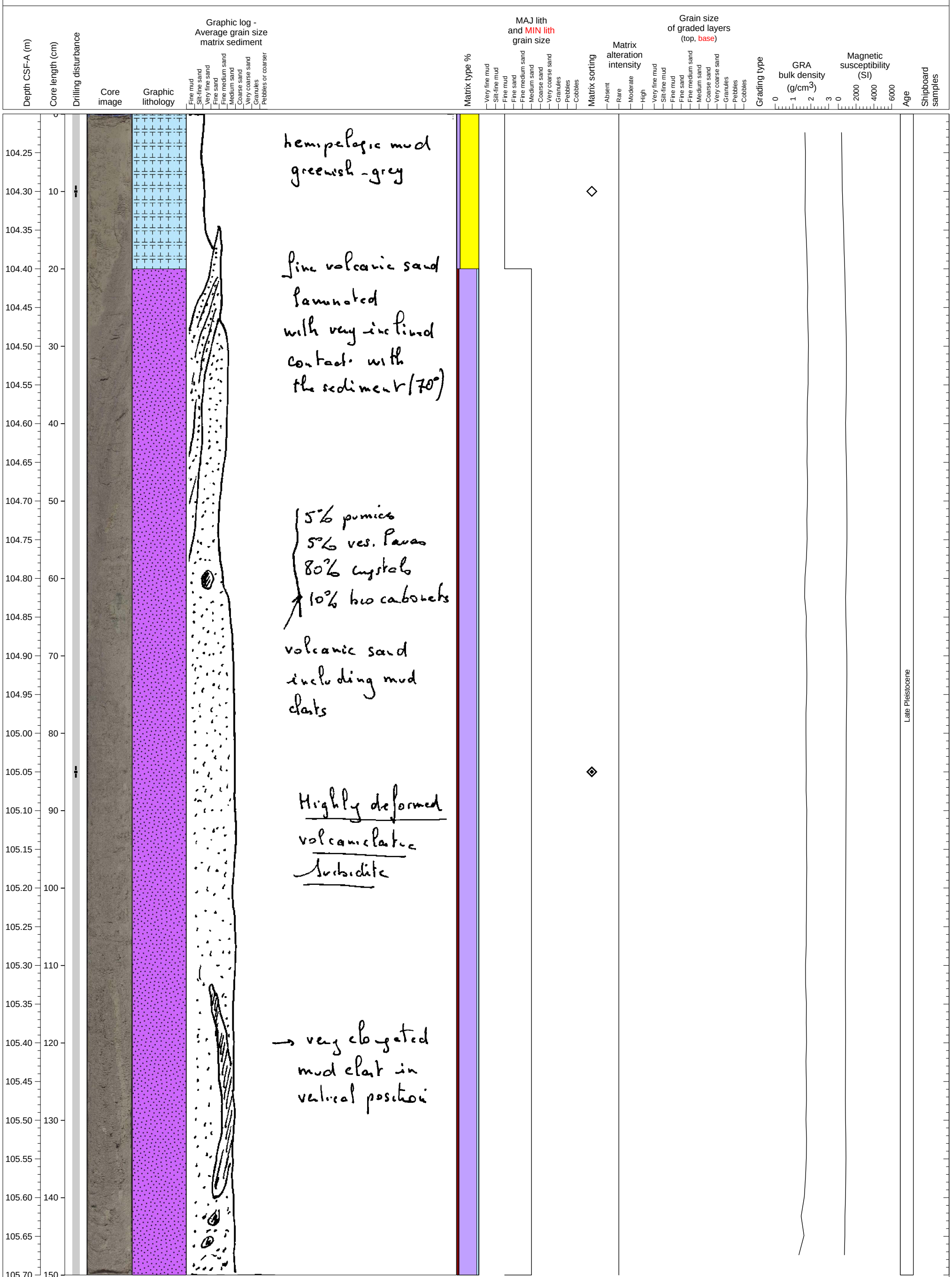
Hole 340-U1399B-13H Section 1, Top of Section: 102.7 CSF-A (m)

Hemipelagic clay interlayere wth bioclastic sand in an inclined manner.



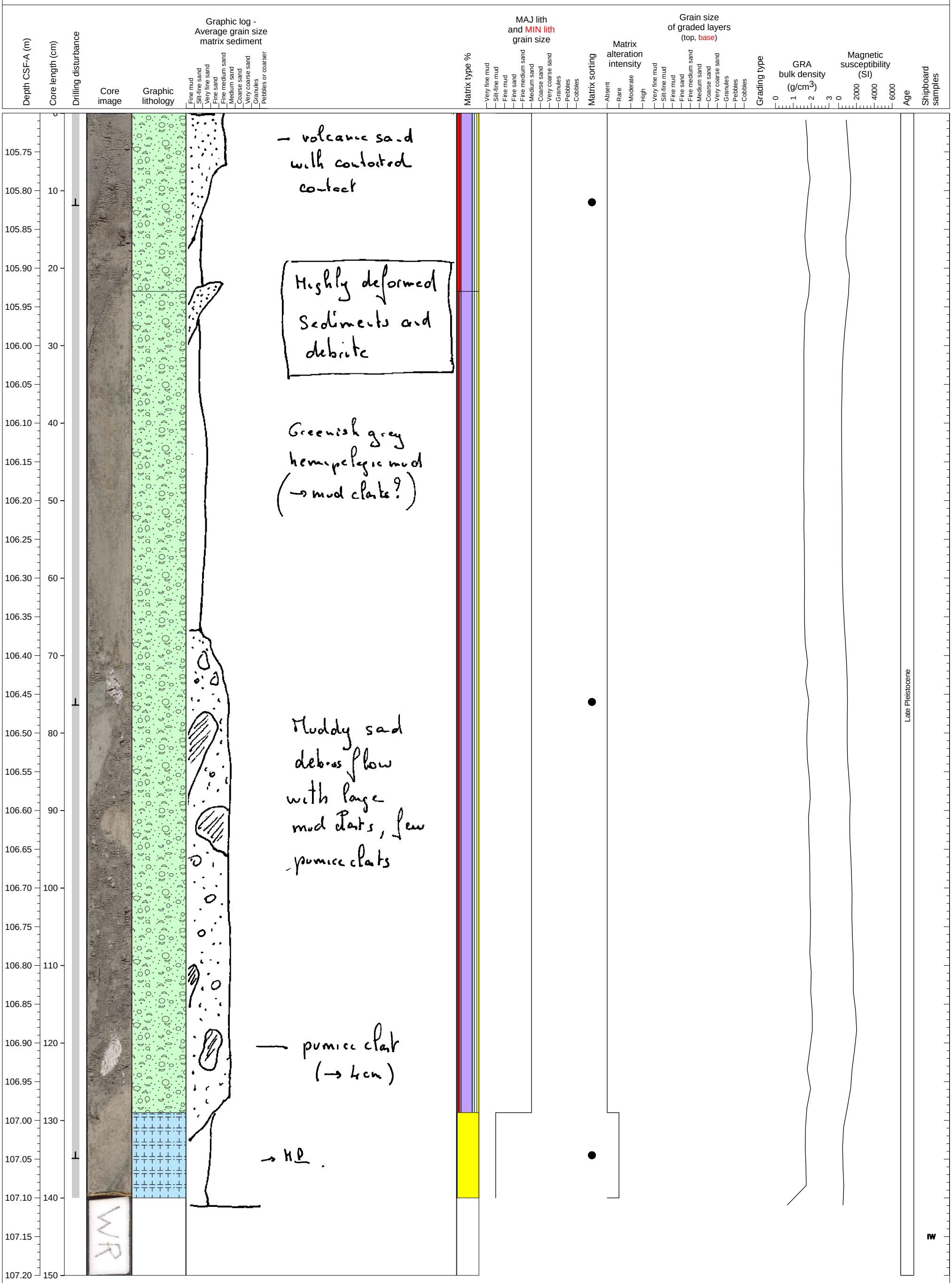
Hole 340-U1399B-13H Section 2, Top of Section: 104.2 CSF-A (m)

Hemielgic clay overlying a volcanicastic sand unit in an inclined maner.



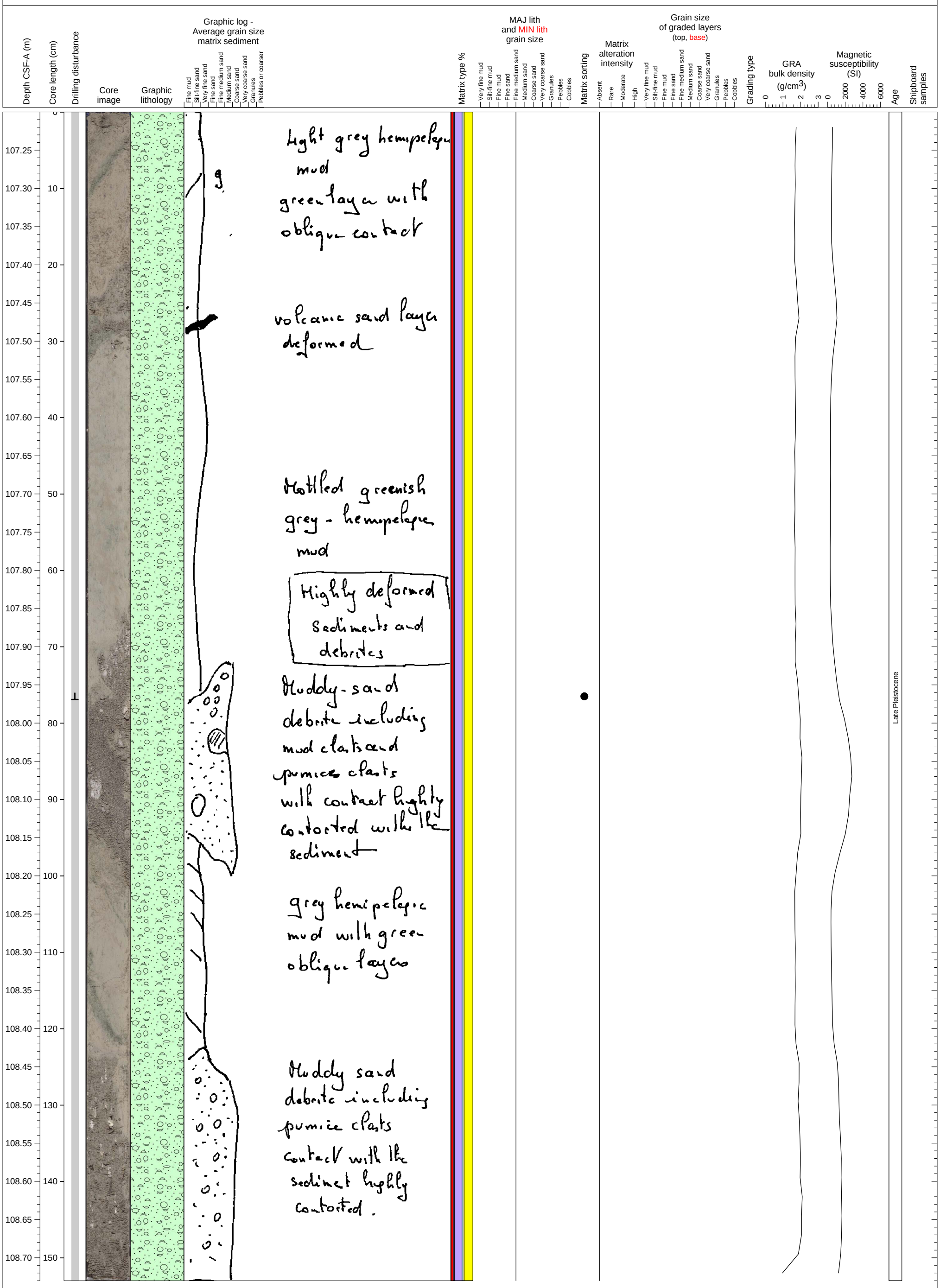
Hole 340-U1399B-13H Section 3, Top of Section: 105.7 CSF-A (m)

Part of debris flow. Top is relatively well-sorted sand.



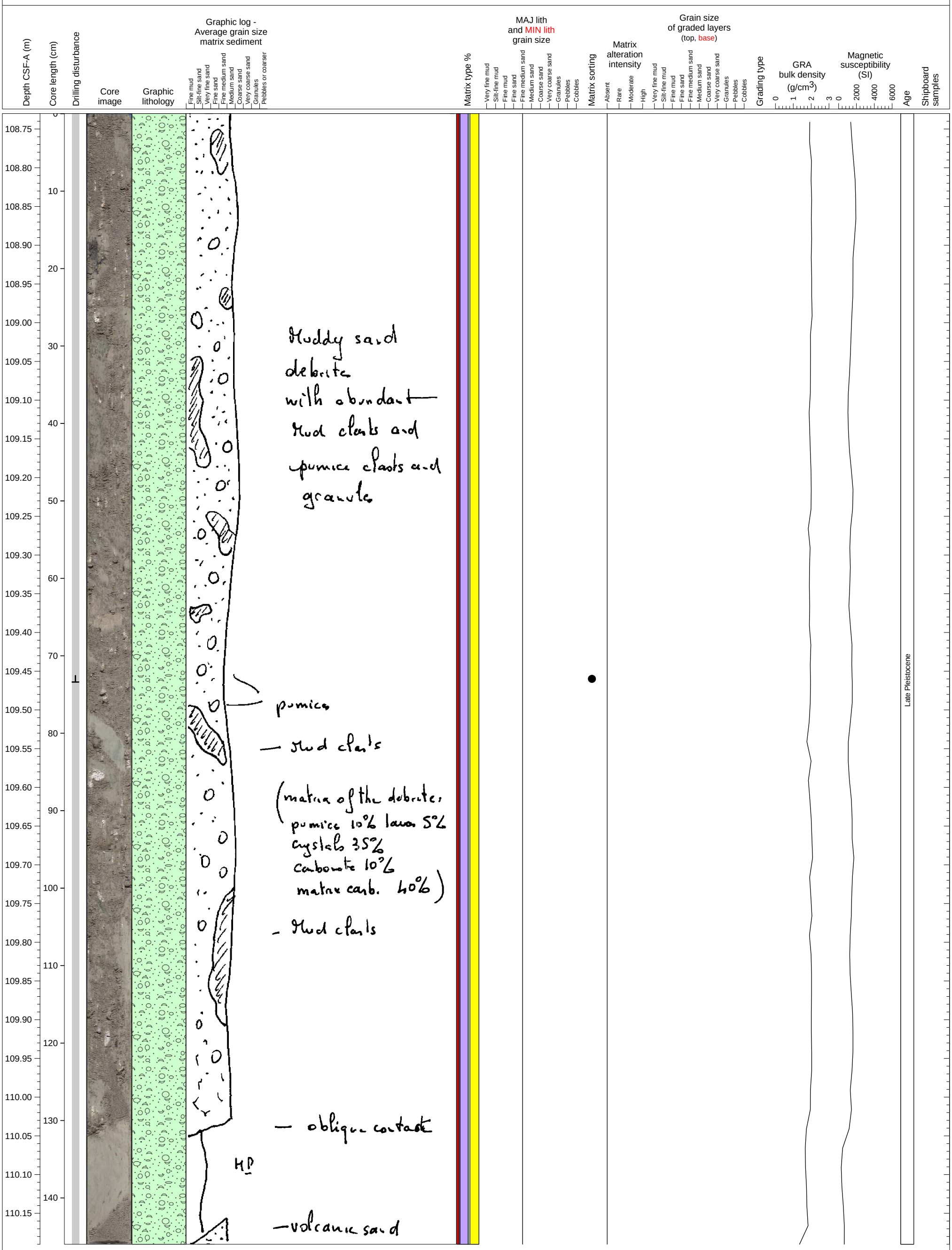
Hole 340-U1399B-13H Section 4, Top of Section: 107.2 CSF-A (m)

Chaotic facies. Part of a large debrite, or slump deposits.



Hole 340-U1399B-13H Section 5, Top of Section: 108.73 CSF-A (m)

Chaotic facies. Part of a large debrite, or slump deposits.



Hole 340-U1399B-13H Section 6, Top of Section: 110.19 CSF-A (m)

Highly degormed hemipelagic sediment and debrite

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

110.20
110.25
110.30
110.35
110.40
110.45
110.50
110.55
110.60
110.65
110.70
110.75
110.80
110.85
110.90
110.95
111.00
111.05
111.10
111.15
111.20
111.25
111.30
111.35
111.40
111.45
111.50
111.55
111.60
111.65
111.70

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

Muddy sand grey -

Muddy-sand debrite highly contorted

Mottled greenish grey hemipelagic mud.
(Large mud clast included in the debrite ?)

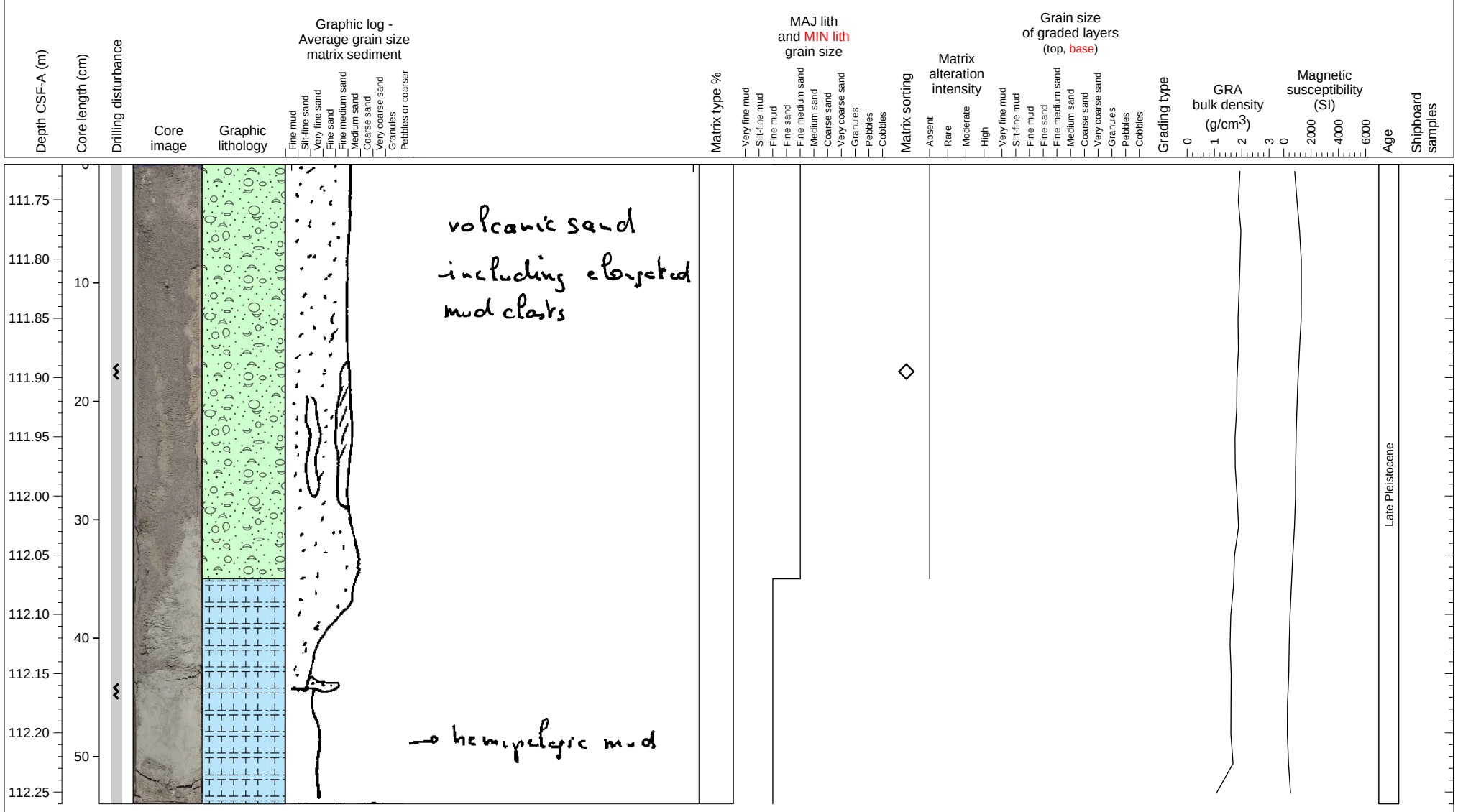
→ pumice clast

Muddy-sand with few pumice granule

Late Pleistocene

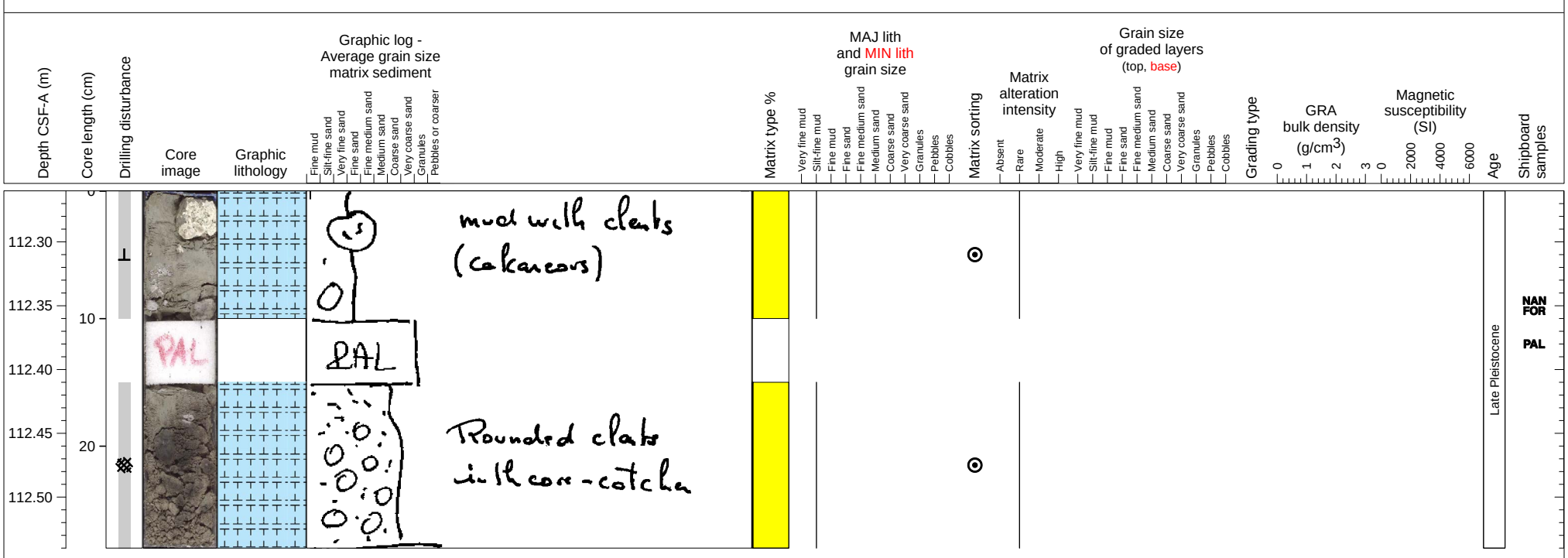
Hole 340-U1399B-13H Section 7, Top of Section: 111.72 CSF-A (m)

Highly deformed debrite with hemipelagite.



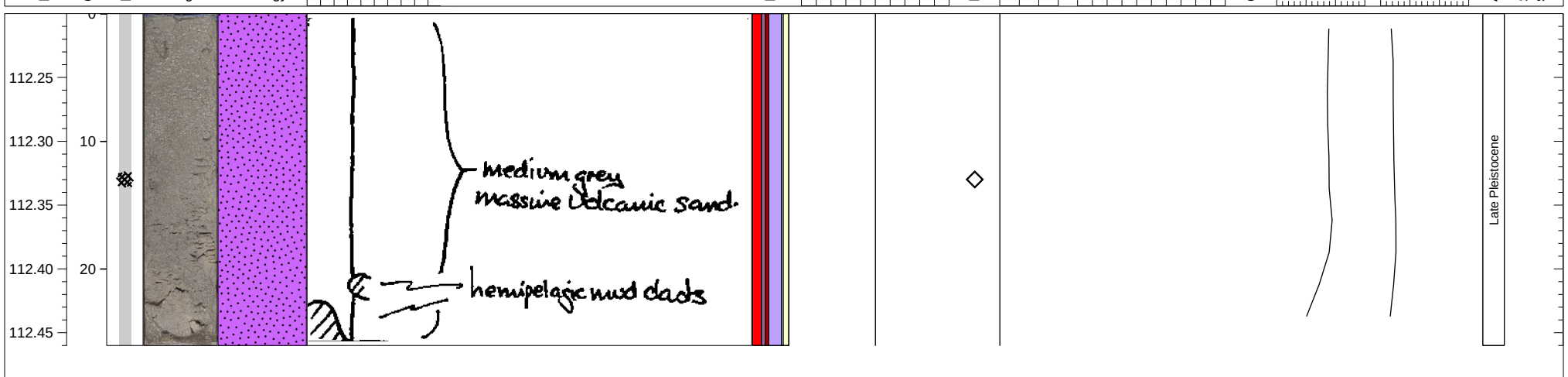
Hole 340-U1399B-13H Section CC, Top of Section: 112.26 CSF-A (m)

Hemipelagic sediment containing a large piece of limestone clast.



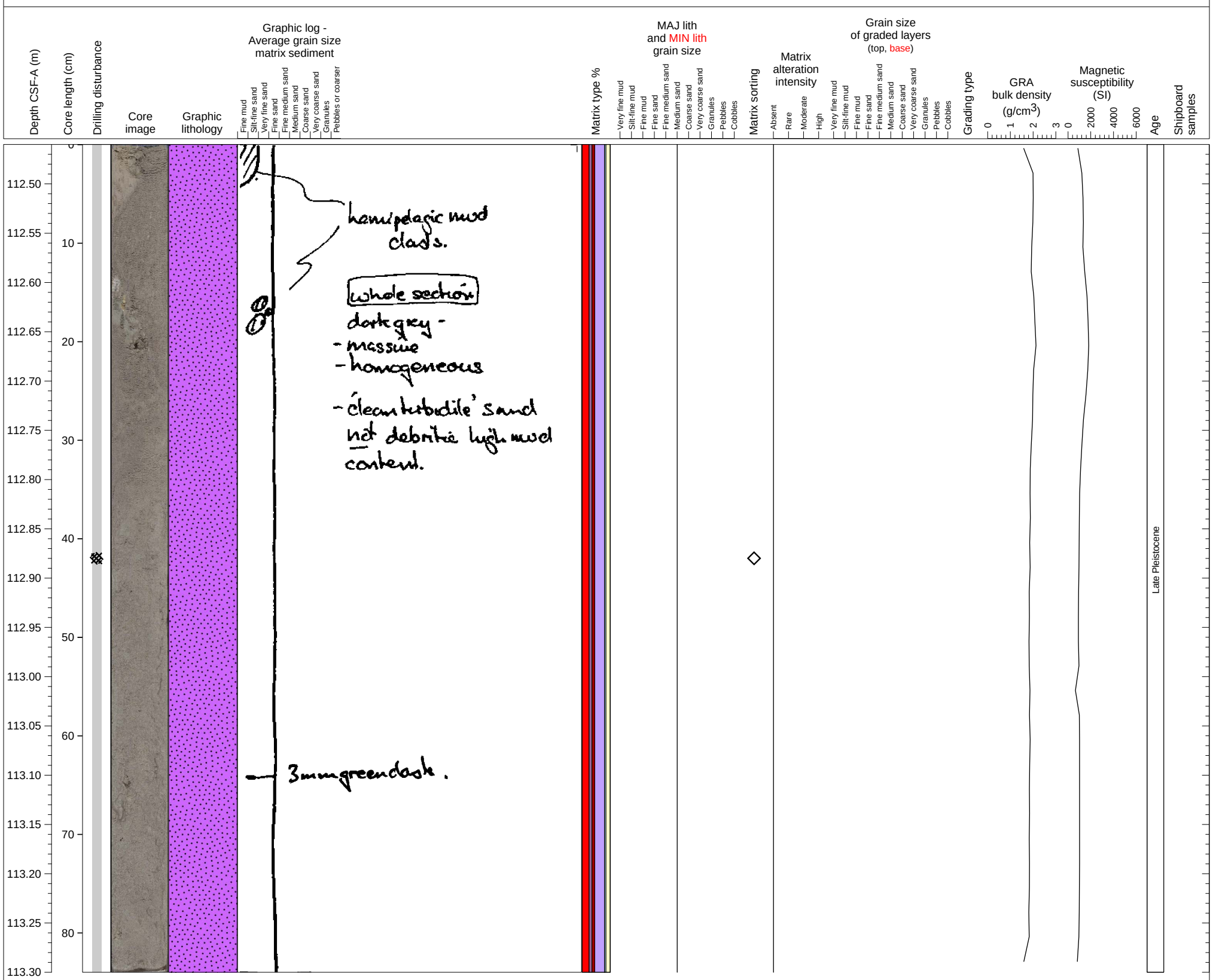
Hole 340-U1399B-14H Section 1, Top of Section: 112.2 CSF-A (m)

Massive volcaniclastic sand. Shattered core.



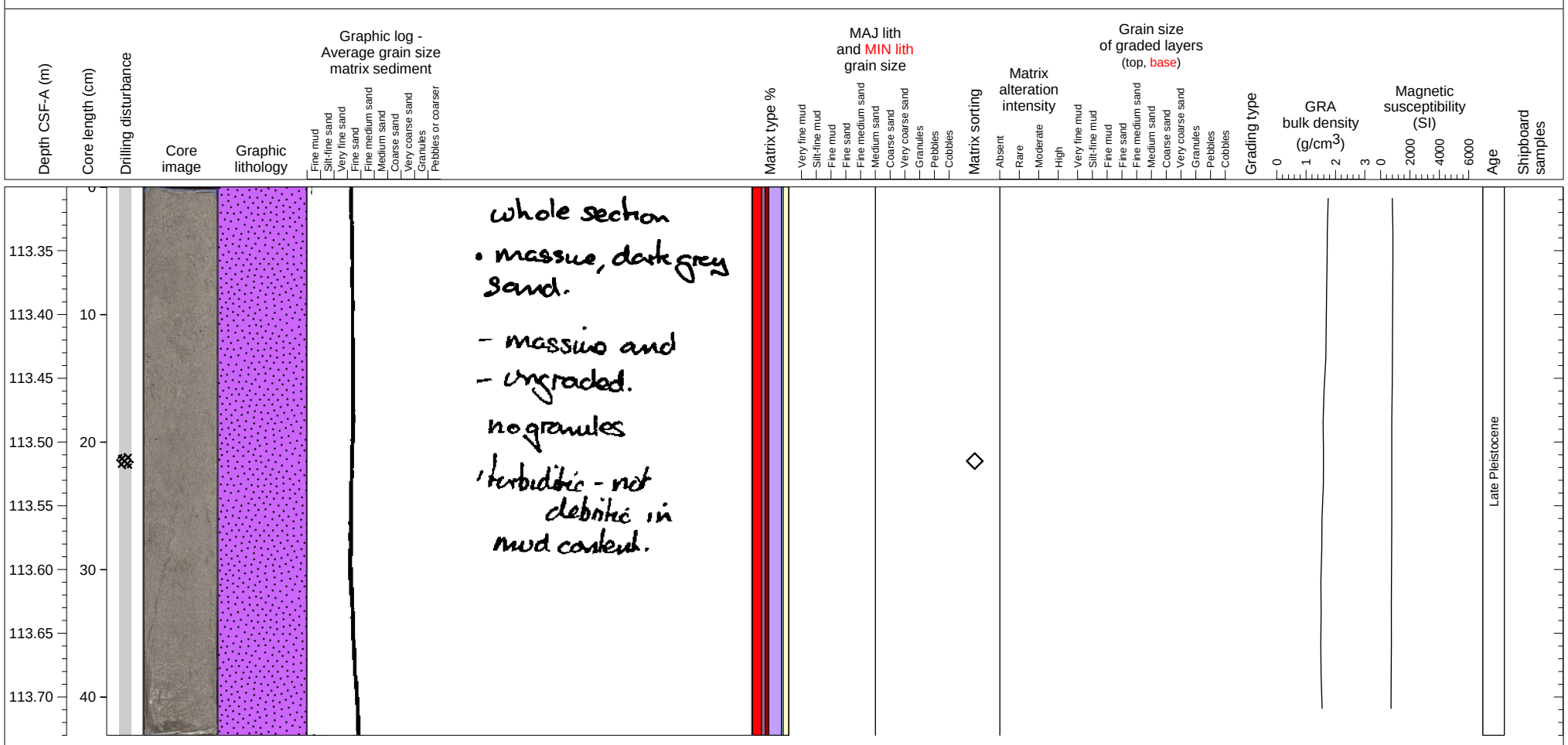
Hole 340-U1399B-14H Section 2, Top of Section: 112.46 CSF-A (m)

Massive volcaniclastic sand. Shattered core.



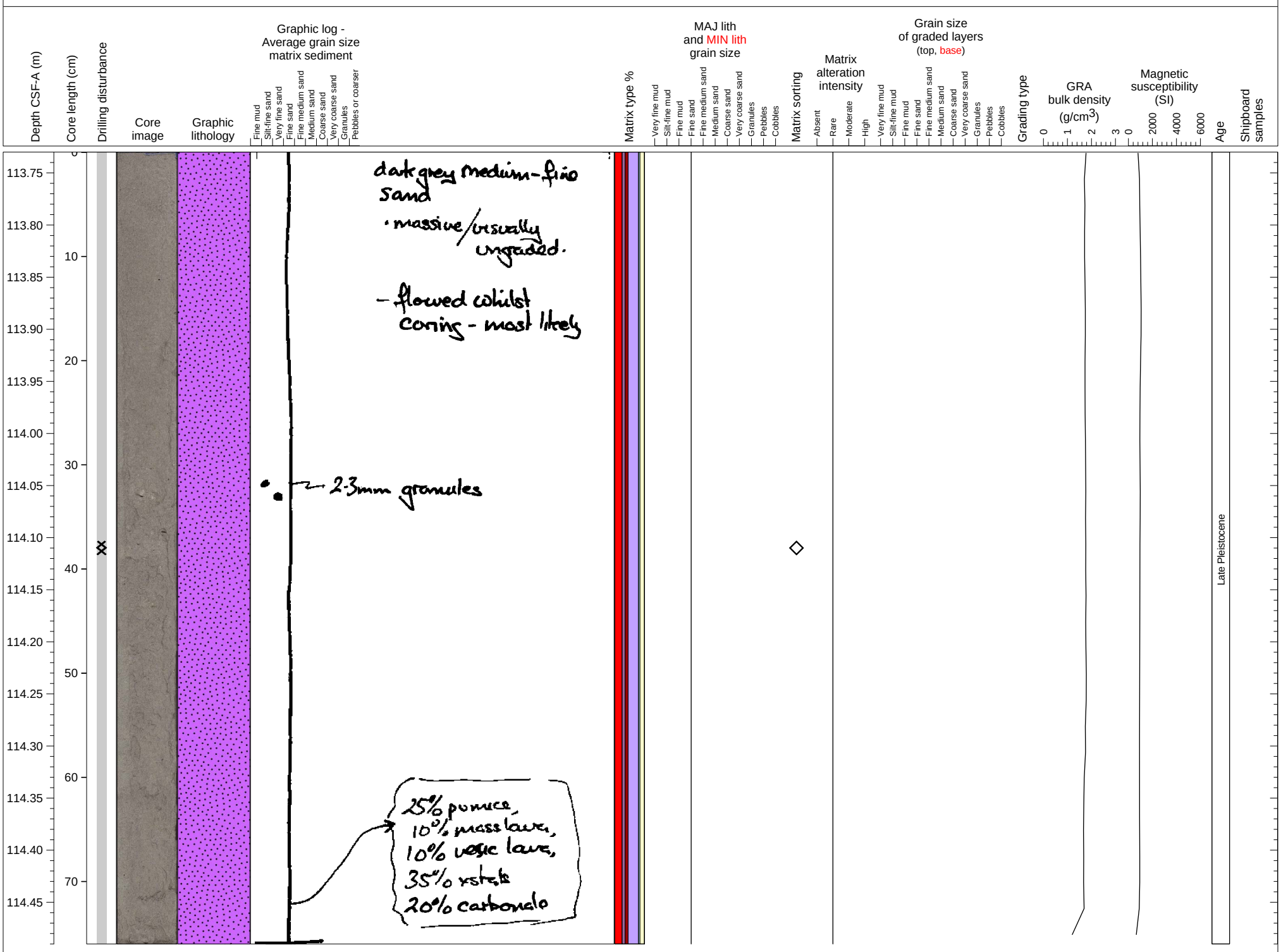
Hole 340-U1399B-14H Section 3, Top of Section: 113.3 CSF-A (m)

Massive volcaniclastic sand. Shattered core.



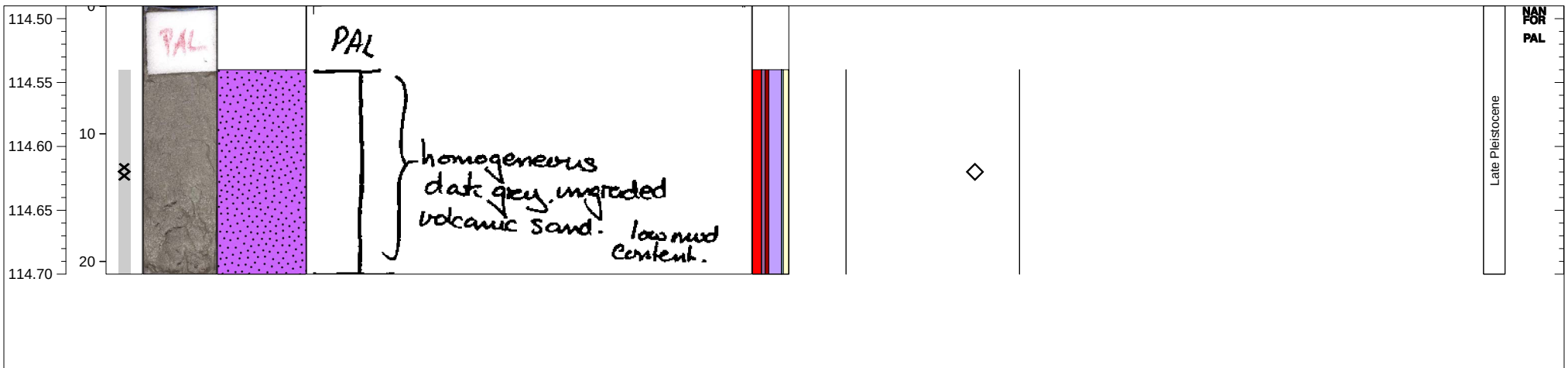
Hole 340-U1399B-14H Section 4, Top of Section: 113.73 CSF-A (m)

Fine-grained volcaniclastic sand;shattered liner.



Hole 340-U1399B-14H Section CC, Top of Section: 114.49 CSF-A (m)

Fine-grained volcaniclastic sand;very disturbed due to shattered liner.



Hole 340-U1399B-15H Section 1, Top of Section: 114.7 CSF-A (m)

Part of debris flow overlying hemipelagic clay. Hemipelagic clay is highly deformed and contorted and may be a part of debris flow.

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

114.75 – 0
114.80 – 10
114.85
114.90 – 20
114.95
115.00 – 30
115.05
115.10 – 40
115.15
115.20 – 50
115.25
115.30 – 60
115.35
115.40 – 70
115.45
115.50 – 80
115.55
115.60 – 90
115.65
115.70 – 100
115.75
115.80 – 110
115.85
115.90 – 120
115.95
116.00 – 130
116.05
116.10 – 140
116.15
116.20 – 150

this part has mainly hemipelagic mud.

debrite matrix facies very muddy sand with chaotic pumice/lava clasts, rounded, upto 3cm.

pumice/lava. 3cm

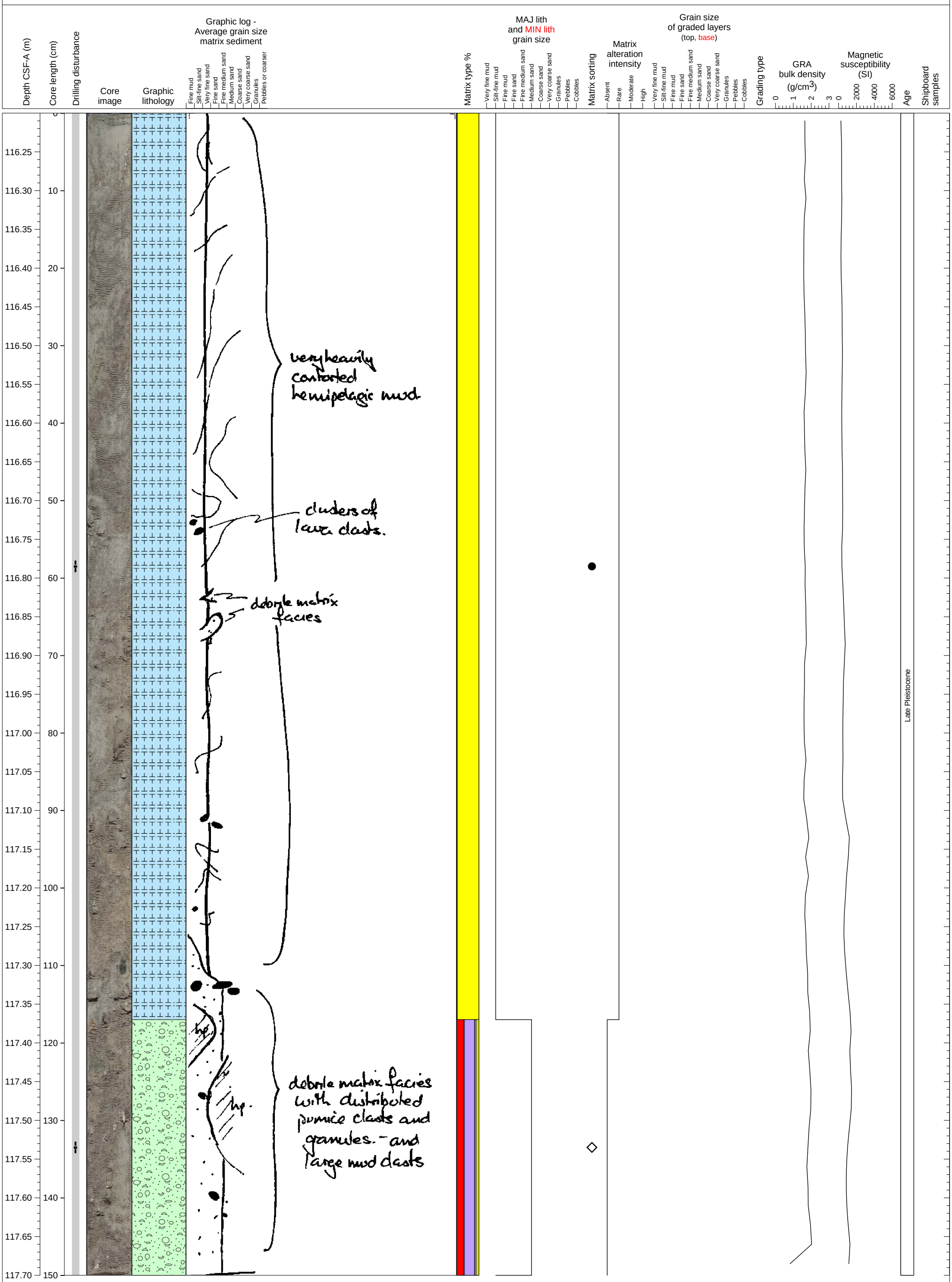
hp

contorted hemipelagic mud.

Late Pleistocene

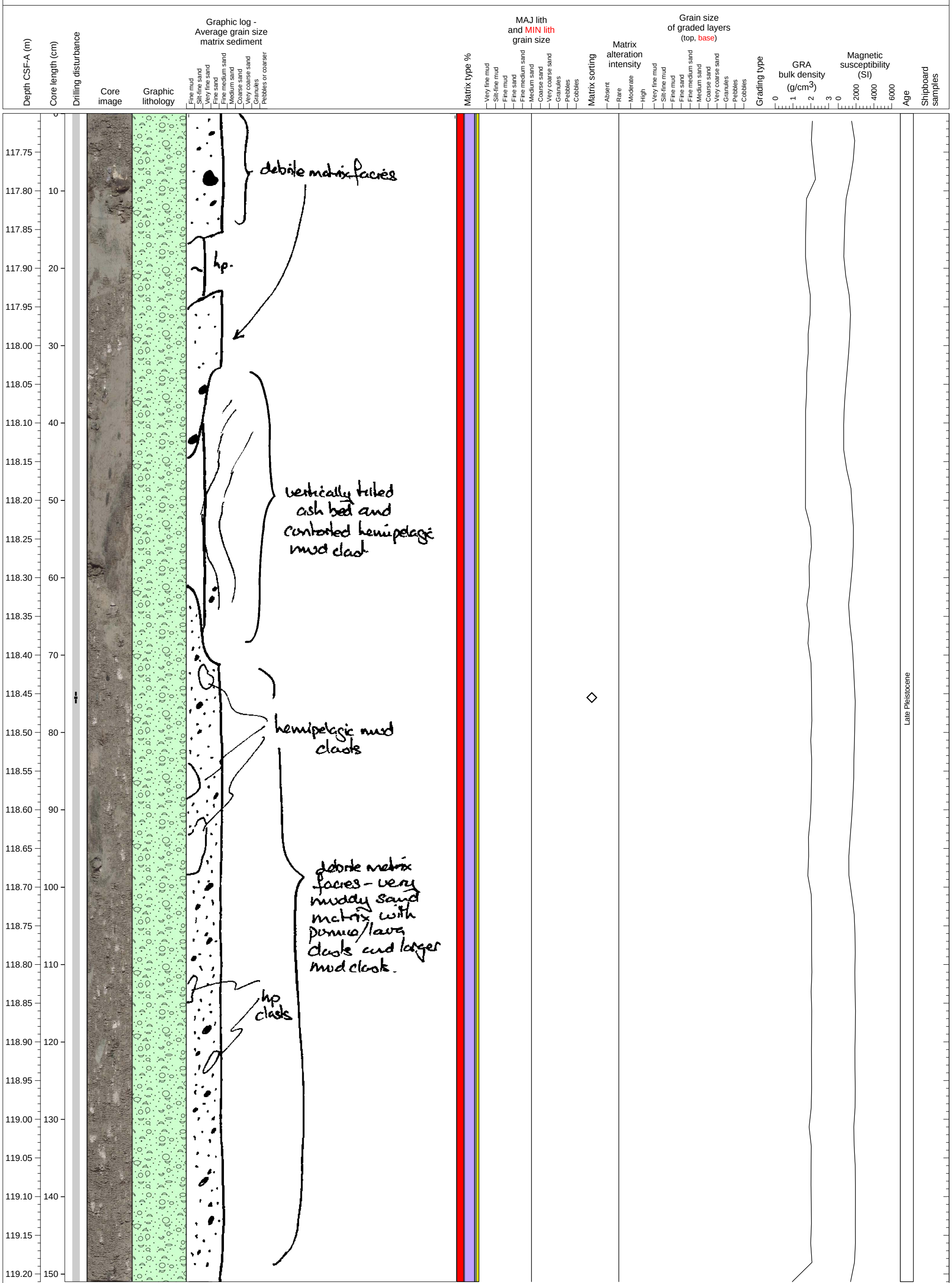
Hole 340-U1399B-15H Section 2, Top of Section: 116.2 CSF-A (m)

Part of debris flow underlying hemipelagic clay. Hemipelagic clay contains is highly deformed and contorted, and possibly a part of debris flow.



Hole 340-U1399B-15H Section 3, Top of Section: 117.7 CSF-A (m)

Debris flow with abundant mudy clasts. One large clast has volcaniclastic sand layer but highly deformed and contorted.



Hole 340-U1399B-15H Section 4, Top of Section: 119.21 CSF-A (m)

Sandy mud chaotic unit, containing abundance pumice and hemipelagic mud 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

119.25
119.30
119.35
119.40
119.45
119.50
119.55
119.60
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

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

Whole section

- debrite matrix facies with rare mud clasts
- abundant lava/pumice clasts
- visually ungraded and massive

as above.

Small < 1cm hemipelagic mud clasts

as above.

Late Pleistocene

Hole 340-U1399B-15H Section 5, Top of Section: 120.73 CSF-A (m)

Muddy sand chaotic unit, containing abundant hemipelagic mud and pumice clasts, overlying hemipelagic mud.

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

120.75 – 0
120.80 – 10
120.85 – 20
120.90 – 30
120.95 – 40
121.00 – 50
121.05 – 60
121.10 – 70
121.15 – 80
121.20 – 90
121.25 – 100
121.30 – 110
121.35 – 120
121.40 – 130
121.45 – 140
121.50 – 150
121.55
121.60
121.65
121.70
121.75
121.80
121.85
121.90
121.95
122.00
122.05
122.10
122.15
122.20

hp

Debrite matrix facies, large mud clasts and distributed pumice/lava grains

30% pumice, 5% mesolava, 10% vesic lava, 15% xstals, & 40% carbonate

hp.

brown ash

g.

rather flat lying hemipelagic mud.

dark grey. flat lying

g.

g

Late Pleistocene

PMG

IW

Hole 340-U1399B-15H Section 6, Top of Section: 122.24 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

122.25
122.30
122.35
122.40
122.45
122.50
122.55
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

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

whole section
all homogeneous hemipelagic mud.
- faint burrows
- but no obvious deformation

as above

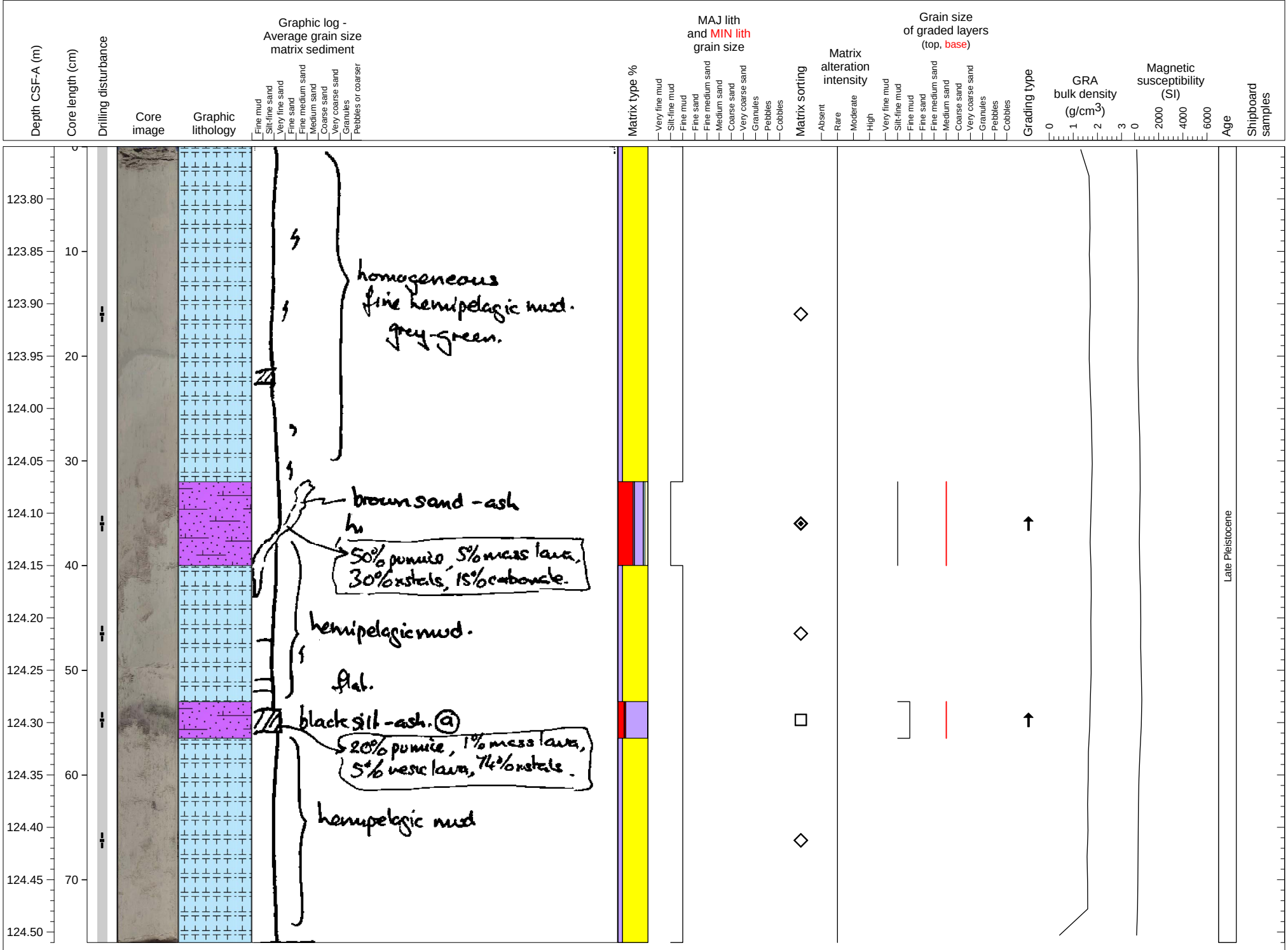
as above.

MADC

Late Pleistocene

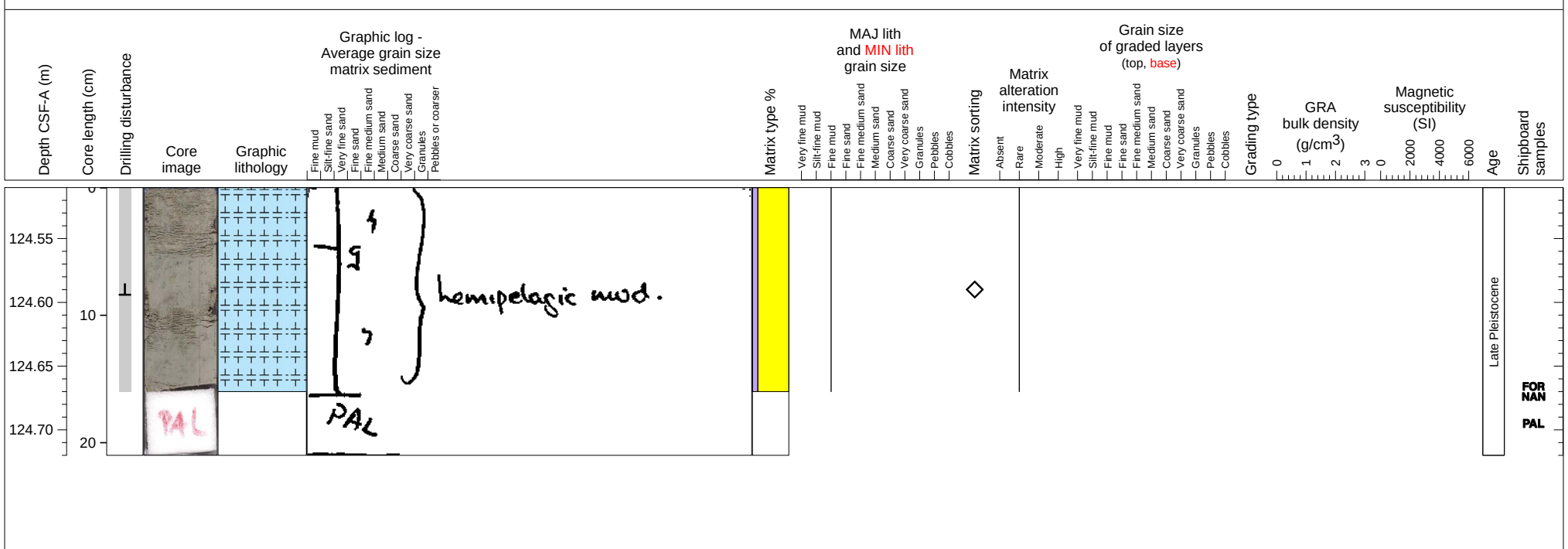
Hole 340-U1399B-15H Section 7, Top of Section: 123.75 CSF-A (m)

Hemipelagic clay interlayered with volcaniclastic sand-mud units which exhibit normal gradation.



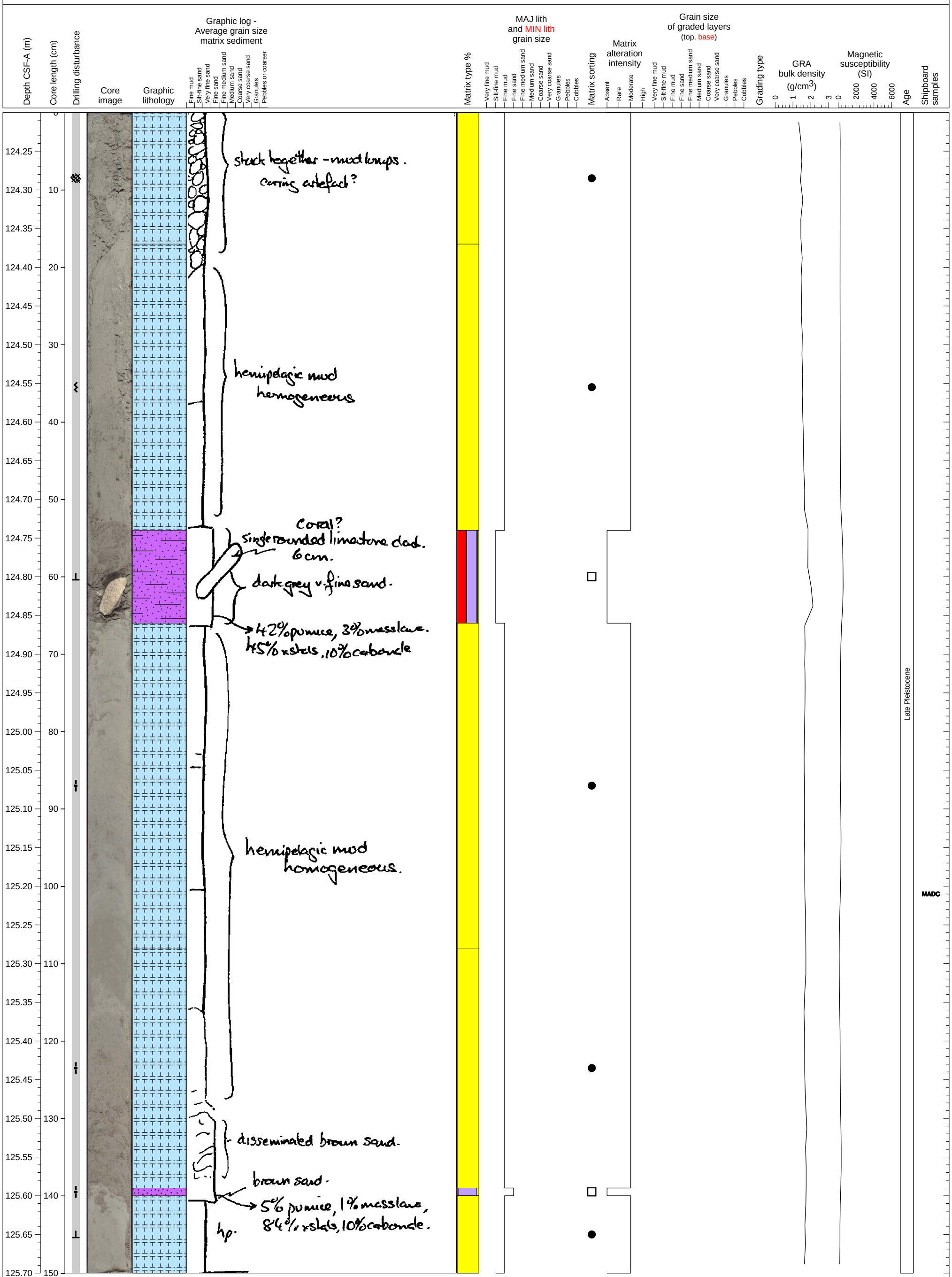
Hole 340-U1399B-15H Section CC, Top of Section: 124.51 CSF-A (m)

Hemipelagic clay. PAL sample from base.



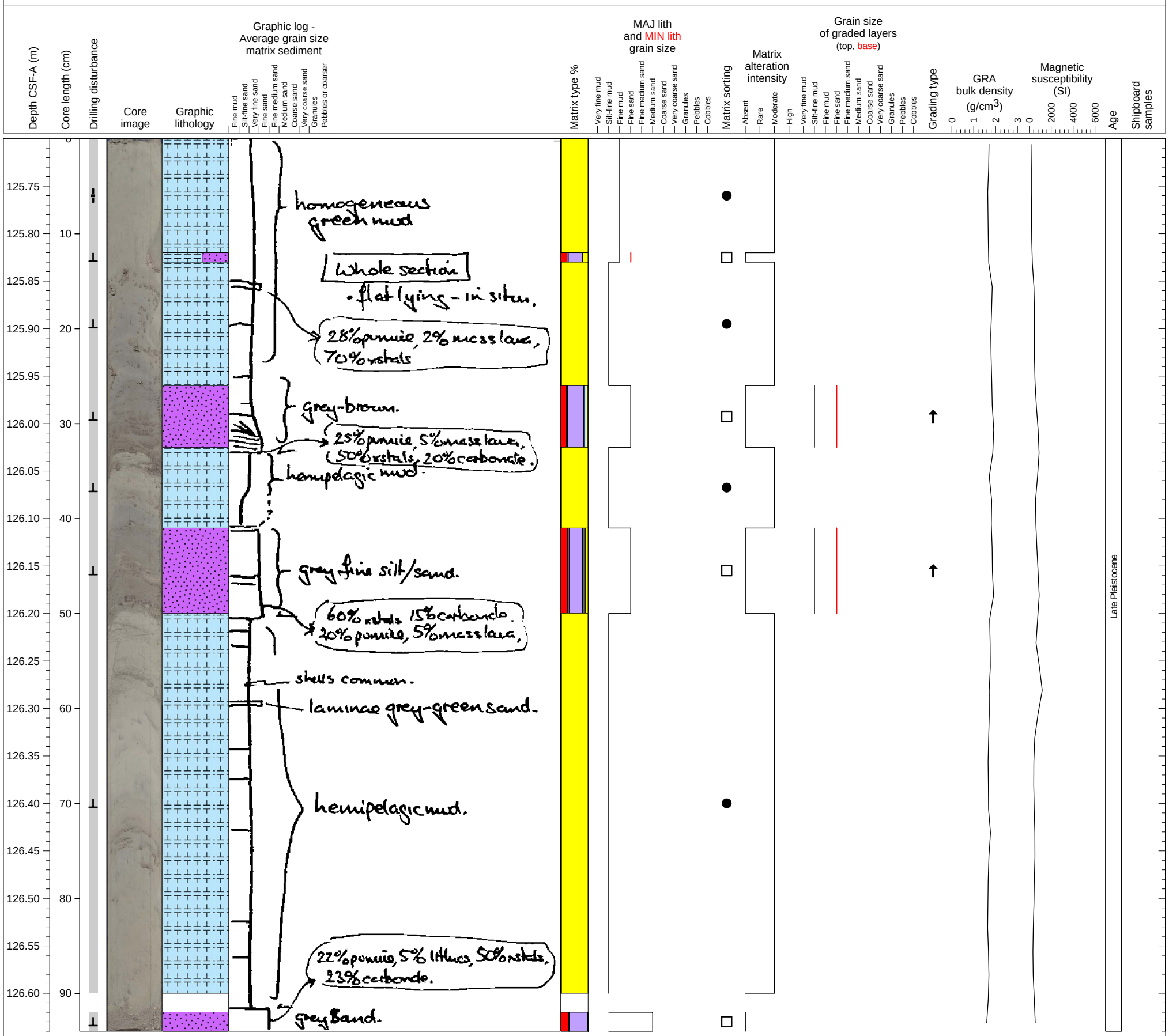
Hole 340-U1399B-16H Section 1, Top of Section: 124.2 CSF-A (m)

Hemipelagic clay interlayered with thin volcanic sand layers. In the middle of the section, a large piece of limestone occur within sand.



Hole 340-U1399B-16H Section 2, Top of Section: 125.7 CSF-A (m)

Hemipelagic sediments interlayered with multiple tephra layers.



U1399B-16H-CC ALL TO PALEO

Hole 340-U1399B-17H Section 1, Top of Section: 126.7 CSF-A (m)

Muddy sand chaotic unit overlain by a volcaniclastic sand deposit with a large biogenic clast and a layer of 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

126.75
126.80
126.85
126.90
126.95
127.00
127.05
127.10
127.15
127.20
127.25
127.30
127.35
127.40
127.45
127.50
127.55
127.60
127.65
127.70
127.75
127.80
127.85
127.90
127.95
128.00
128.05
128.10
128.15
128.20

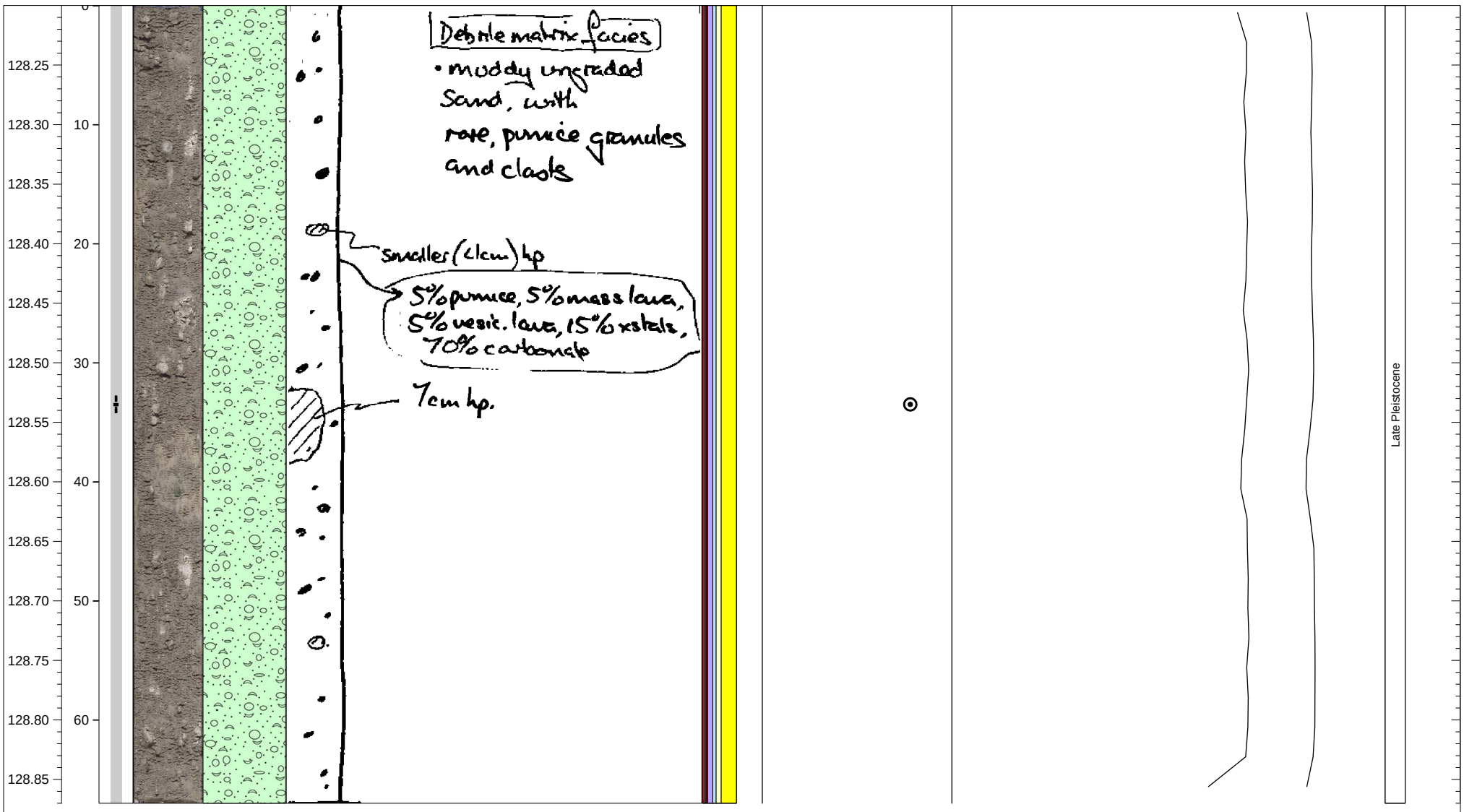
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

hemipelagic mud - homogeneous.
sand clast
inclined
single 4cm limestone clast - coral??
25% carbonate 30% pumice, 10% mass lava, 10% vesic lava, 25% xtals, grey massive sand.
irregular
contorted hemipelagic mud and lower fraction of debrite matrix
lava clast.
5% pumice, 10% mass lava, 25% xtals, 60% carbonate
debrite matrix facies with abundant hemipelagic mud clasts

Late Pleistocene

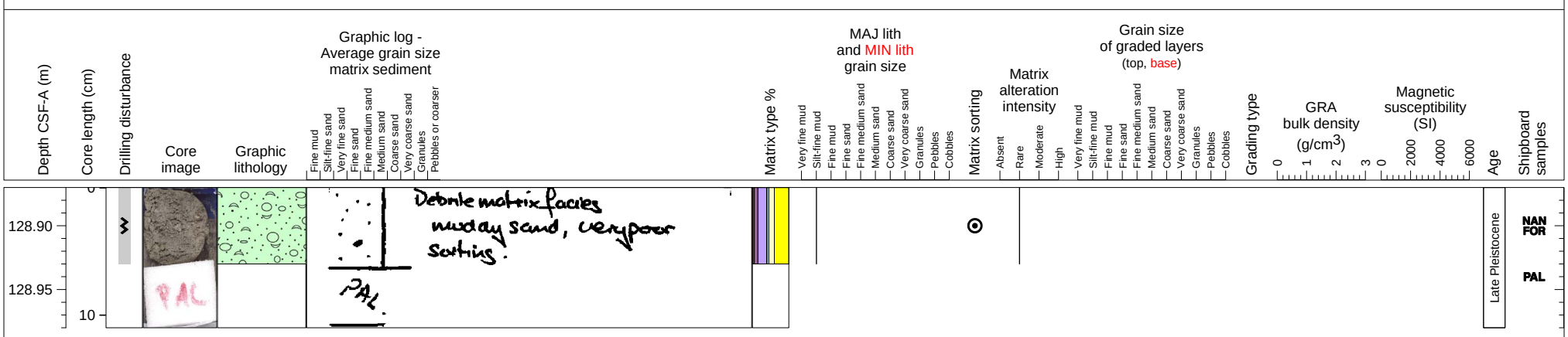
Hole 340-U1399B-17H Section 2, Top of Section: 128.2 CSF-A (m)

Muddy sand chaotic unit containing abundant hemipelagic mud and pumice clasts.



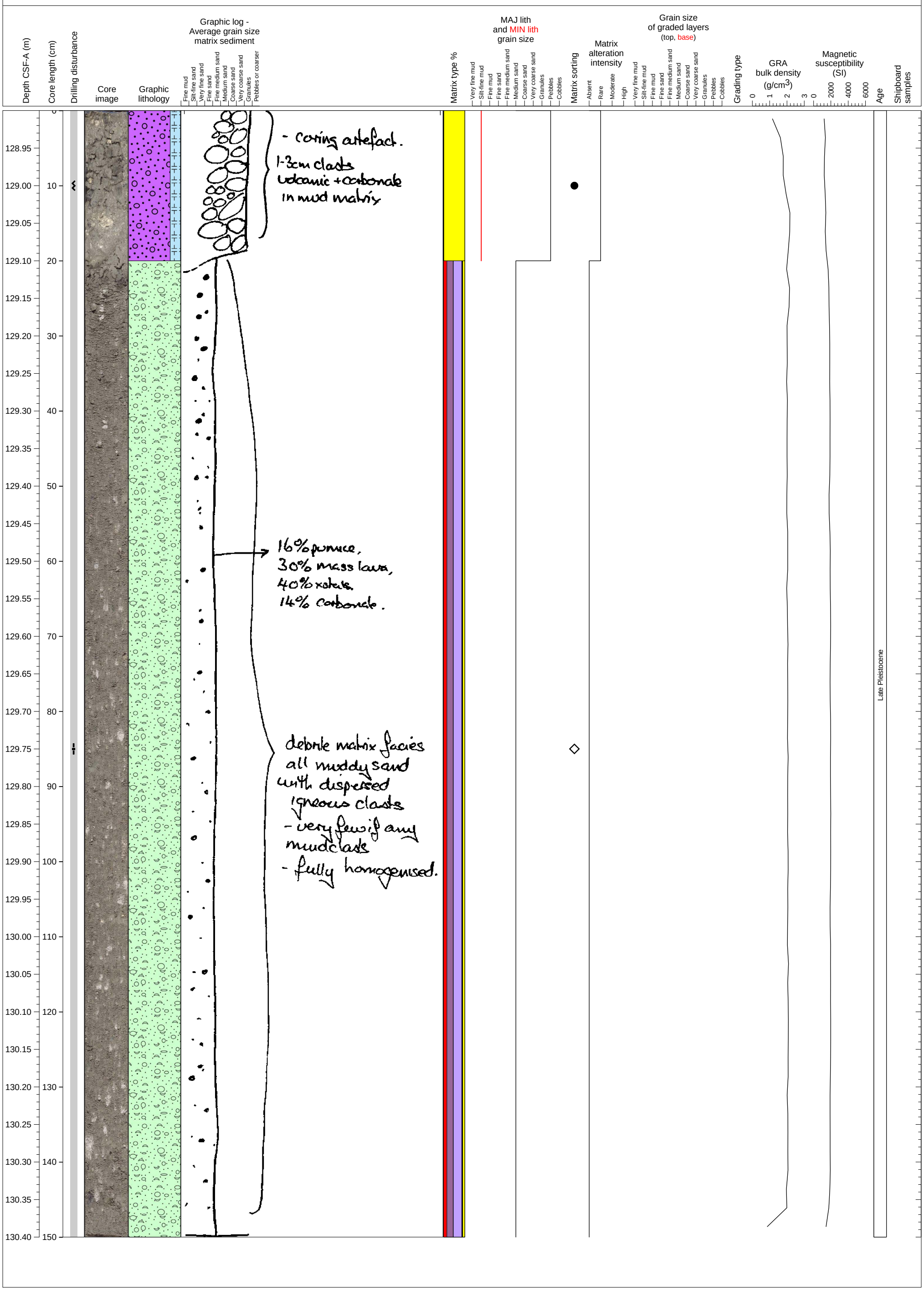
Hole 340-U1399B-17H Section CC, Top of Section: 128.87 CSF-A (m)

Muddy sand chaotic unit. PAL sample from base.



Hole 340-U1399B-18H Section 1, Top of Section: 128.9 CSF-A (m)

Debrite containing abundant pumice and lava clasts.



Hole 340-U1399B-18H Section 2, Top of Section: 130.4 CSF-A (m)

Debrite containing abundant pumice and lava 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

130.45
130.50
130.55
130.60
130.65
130.70
130.75
130.80
130.85
130.90
130.95
131.00
131.05
131.10
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
131.85
131.90
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

Whole section

- all debrite matrix facies with dispersed igneous clasts.
- no visible grading in matrix or clasts
- a few mudstone clasts - but rare

as above

mud clast - 1cm

as above

hemipelagic mud clast up to 6cm.

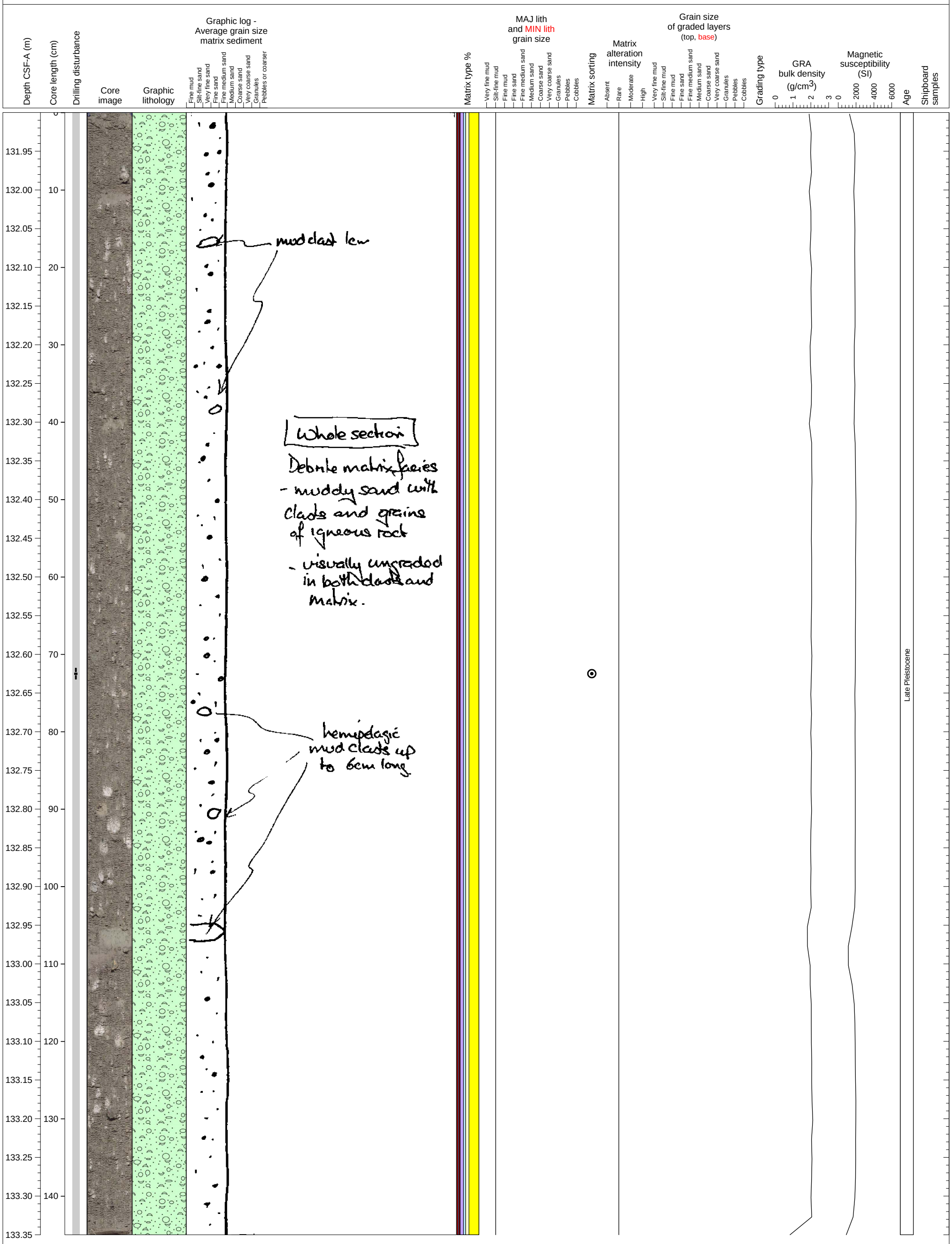
as above.

Late Pleistocene

IW

Hole 340-U1399B-18H Section 3, Top of Section: 131.9 CSF-A (m)

Muddy sand chaotic unit with abundant clasts of hemipelagic clay and pumice.

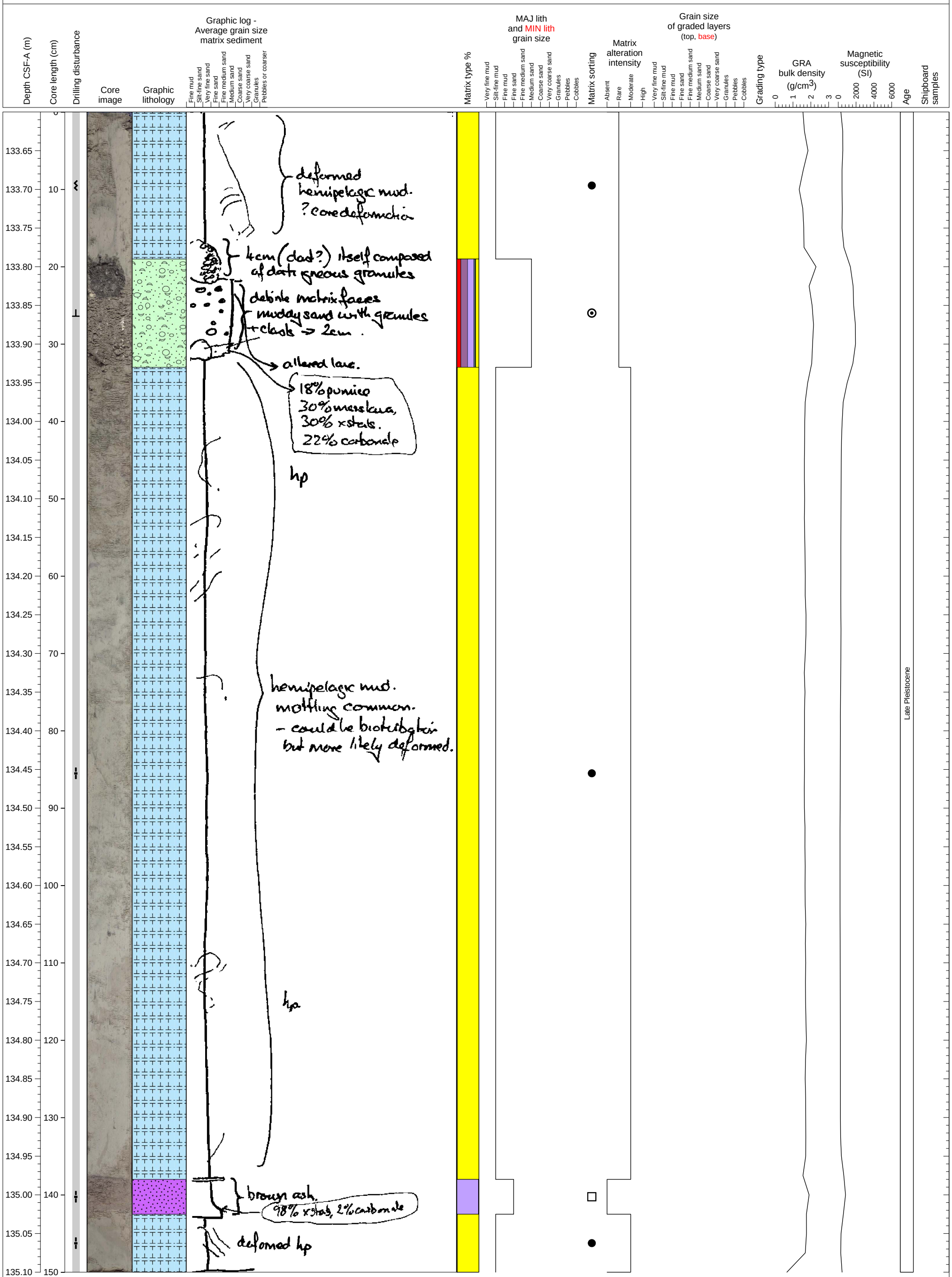


Hole 340-U1399B-18H Section CC, Top of Section: 133.35 CSF-A (m)

Muddy sand chaotic unit. PAL sample from base.

Hole 340-U1399B-19H Section 1, Top of Section: 133.6 CSF-A (m)

Hemipelagic clay interlayered with thin debrite and a tephra layer.



Hole 340-U1399B-19H Section 2, Top of Section: 135.1 CSF-A (m)

Hemipelagic clay interlayered with multiple tephra and turbidite units. Several tephra layers are 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/cm^3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

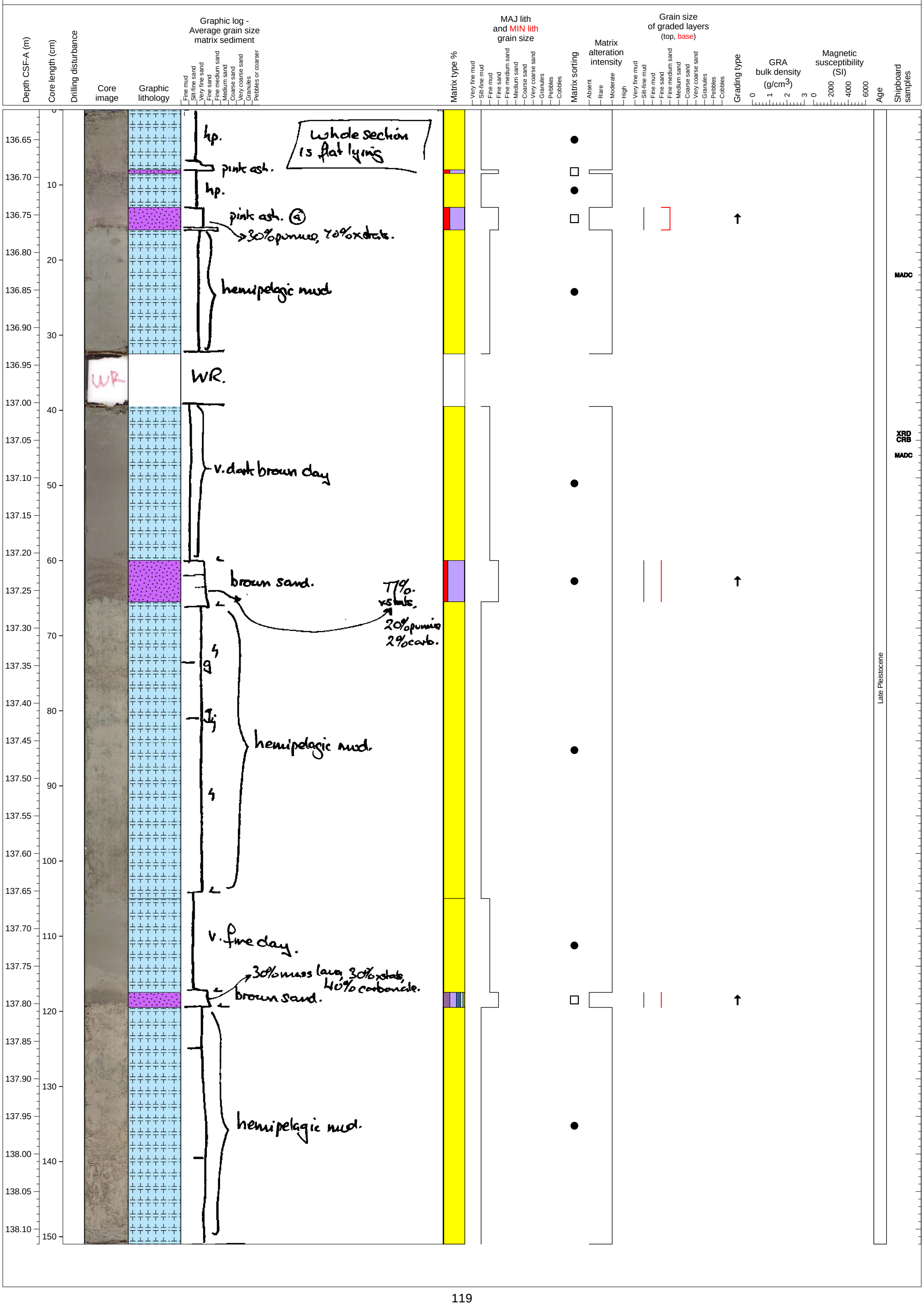
135.15 – 0
135.20 – 10
135.25 –
135.30 – 20
135.35 –
135.40 – 30
135.45 –
135.50 – 40
135.55 –
135.60 – 50
135.65 –
135.70 – 60
135.75 –
135.80 – 70
135.85 –
135.90 – 80
135.95 –
136.00 – 90
136.05 –
136.10 – 100
136.15 –
136.20 – 110
136.25 –
136.30 – 120
136.35 –
136.40 – 130
136.45 –
136.50 – 140
136.55 –
136.60 – 150

WHOLE SECTION FLAT LYING.
brown coarse sand.
4% mass lava, 50% xstals 6% carbonate
flat lying
black @
90% xstals 10% pumice
hps
– ? –>
@ grey day
shell fragments.
hemipelagic mud.
homogeneous brown sand
massive
2% mass lava, 43% xstals, 55% carbonate
hemipelagic mud.
ash?
hemipelagic mud.
brown, planar laminated sand.
35% pumice, 3% mass lava, 52% xstals, 10% carbonate
hemipelagic mud.
dark clay
hp

Late Pleistocene
PMG

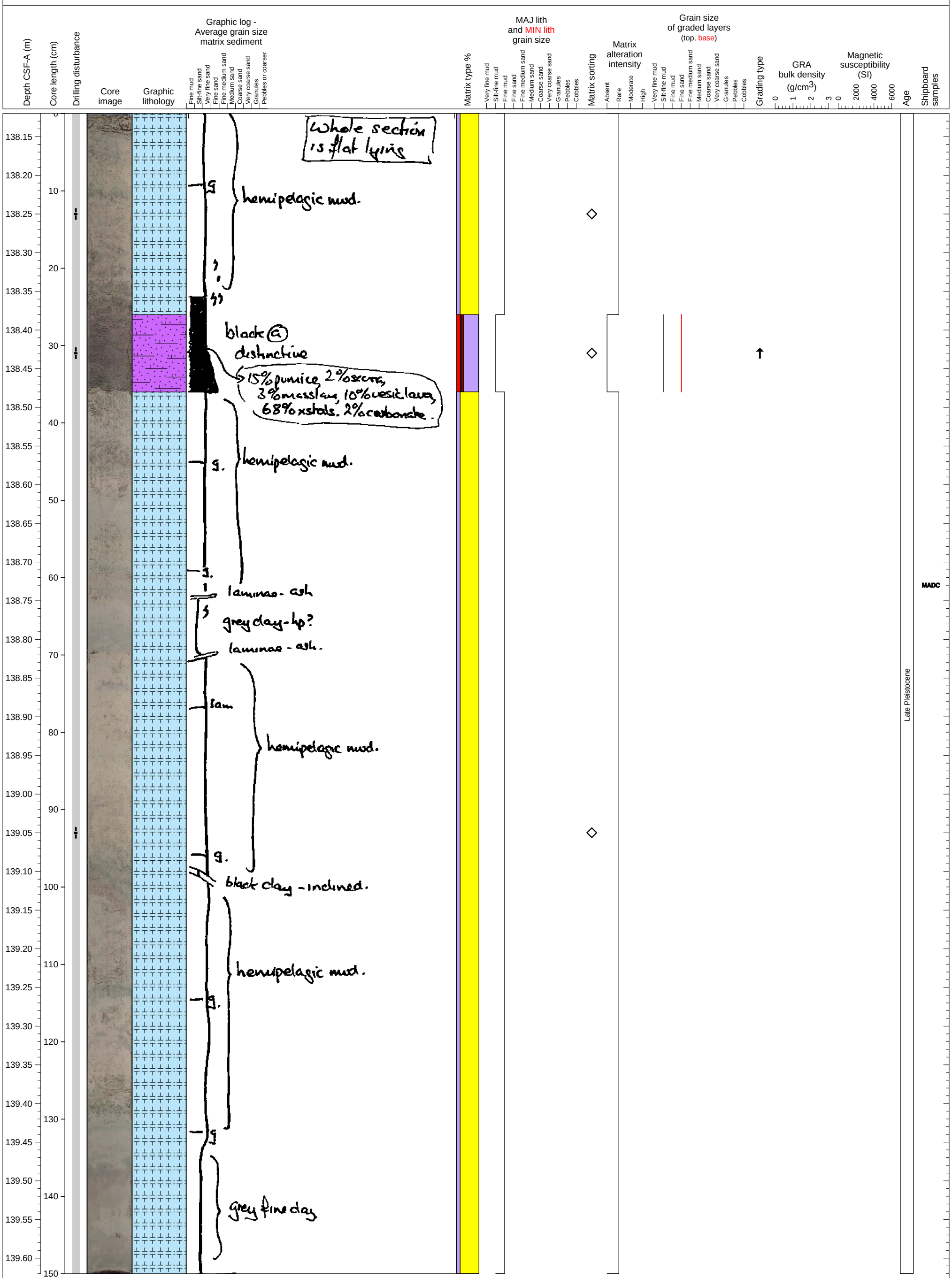
Hole 340-U1399B-19H Section 3, Top of Section: 136.61 CSF-A (m)

Hemipelagic clay interlayered with multiple tephra units.



Hole 340-U1399B-19H Section 4, Top of Section: 138.12 CSF-A (m)

Hemipelagic mud interlayered with normally graded volcaniclastic sand-mud deposit.



Hole 340-U1399B-19H Section 5, Top of Section: 139.62 CSF-A (m)

Hemipelagic clay interlayered with abundant volcaniclastic sand-mud deposits, many of which display normal gradation.

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

139.65
139.70
139.75
139.80
139.85
139.90
139.95
140.00
140.05
140.10
140.15
140.20
140.25
140.30
140.35
140.40
140.45
140.50
140.55
140.60
140.65
140.70
140.75
140.80
140.85
140.90
140.95
141.00
141.05
141.10

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

hemipelagic mud.
fine clay, dark brown
50% pumice, 3% mass lava, 2% vesic lava, 10% xstals, 5% carbonate
brown ash
inclined
fault.
light grey clay
?in situ?
hp
– ash - dark grey
hp
all section – flat lying
?hp.
70% pumice, 3% mass lava, 3% vesic lava, 14% xstals, 10% carbonate
brown ash.
hp.
v. fine mud - with burrows
hemipelagic mud ? turb/ash ?
60% pumice, 5% mass lava, 5% vesic lava, 27% xstals, 3% carbonate
brown ash ? a?
v. fine clay ash/turb.
98% xstals, 2% pumice - 9 cm
hemipelagic mud/ash!
ash/turbidite v. fine clay
– a?
hemipelagic mud.
green stain
dark grey silt
25% pumice, 15% mass l., 10% vesic lava, 45% glass, 5% carb.
ash/ turbidite – v. fine grey clay
hemipelagic mud.
grey clay.

Late Pleistocene
MADC

Hole 340-U1399B-19H Section 6, Top of Section: 141.13 CSF-A (m)

Hemipelagic clay interlayered with abundant volcaniclastic sand-mud deposits, many of which display normal grading.

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

141.15
141.20
141.25
141.30
141.35
141.40
141.45
141.50
141.55
141.60
141.65
141.70
141.75
141.80
141.85
141.90
141.95
142.00
142.05
142.10
142.15
142.20
142.25
142.30
142.35
142.40

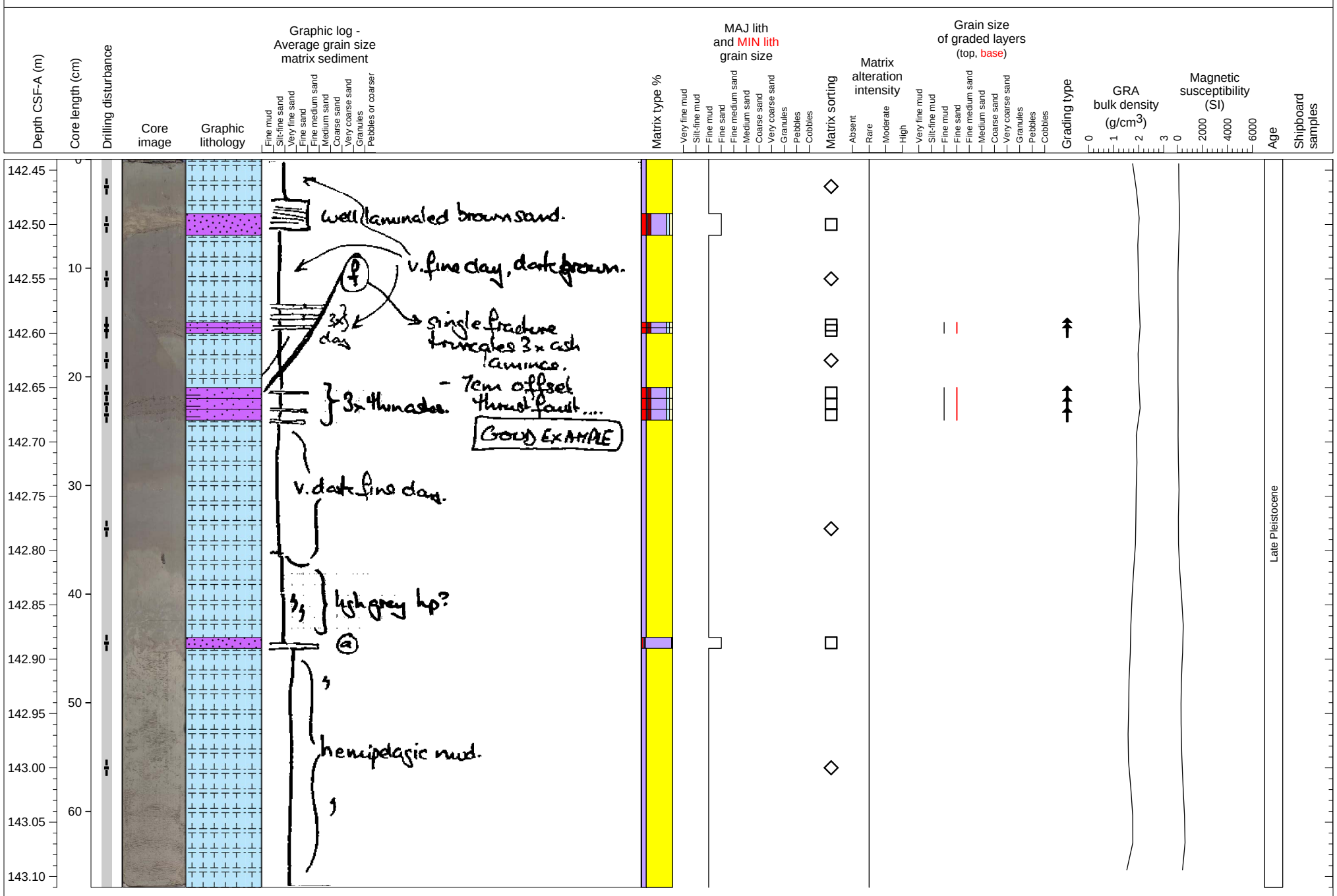
0
10
20
30
40
50
60
70
80
90
100
110
120
130

brown v. fine clay.
Whole section - flat lying
hemipelagic mud.
black ash?
hemipelagic mud.
dark brown.
hemipelagic mud.
dark grey
brown ash?
v. fine clay.
v. fine grey clay

MADC
Late Pleistocene

Hole 340-U1399B-19H Section 7, Top of Section: 142.44 CSF-A (m)

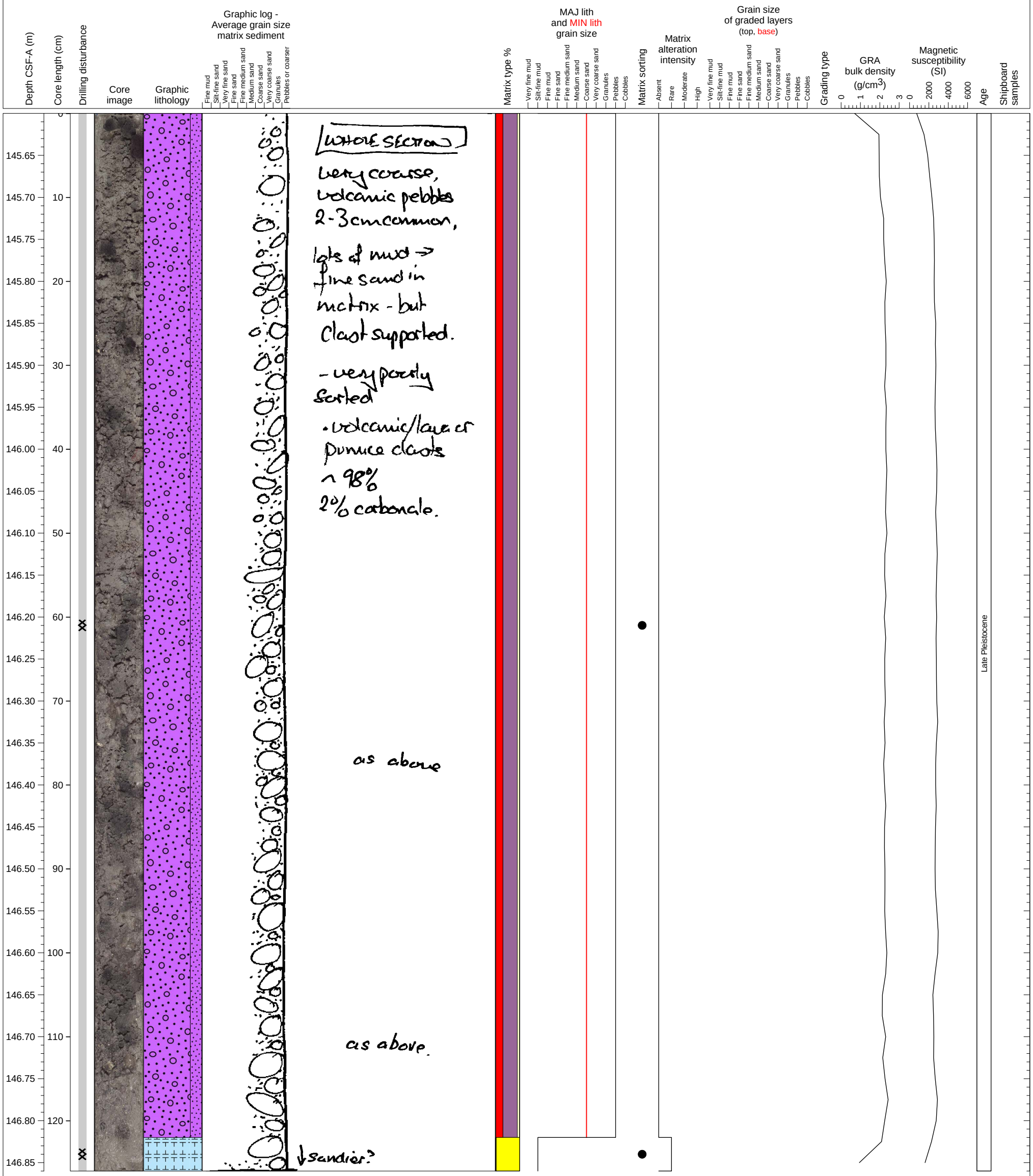
Hemipelagic clay interlayered with fine volcaniclastic sand-mud deposits, many of which display normal grading.



U1399B-19H-CC ALL TO PALEO
U1399B-20 WASH CORE

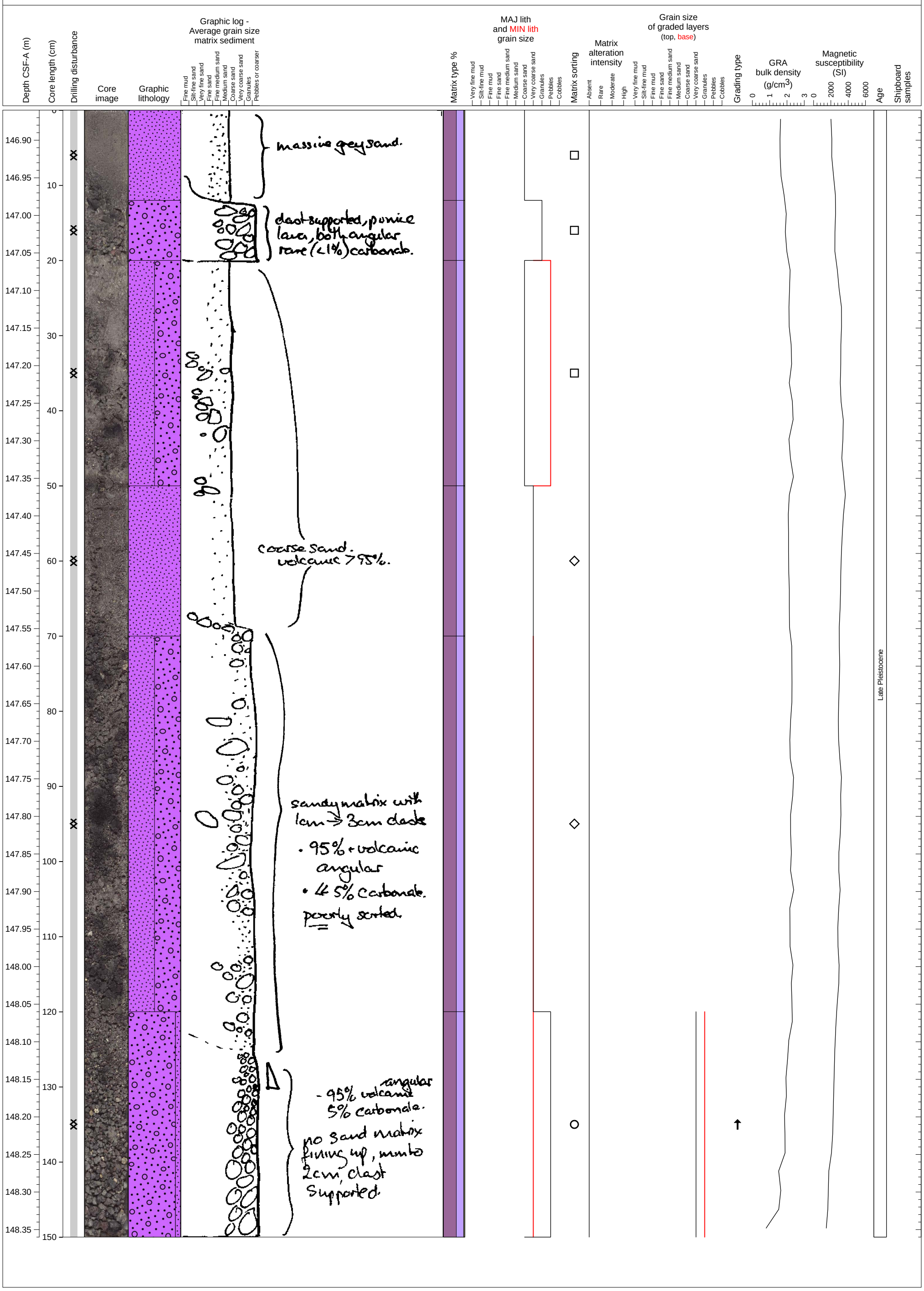
Hole 340-U1399B-21H Section 1, Top of Section: 145.6 CSF-A (m)

Volcaniclastic gravel unit caused by drilling disturbance.



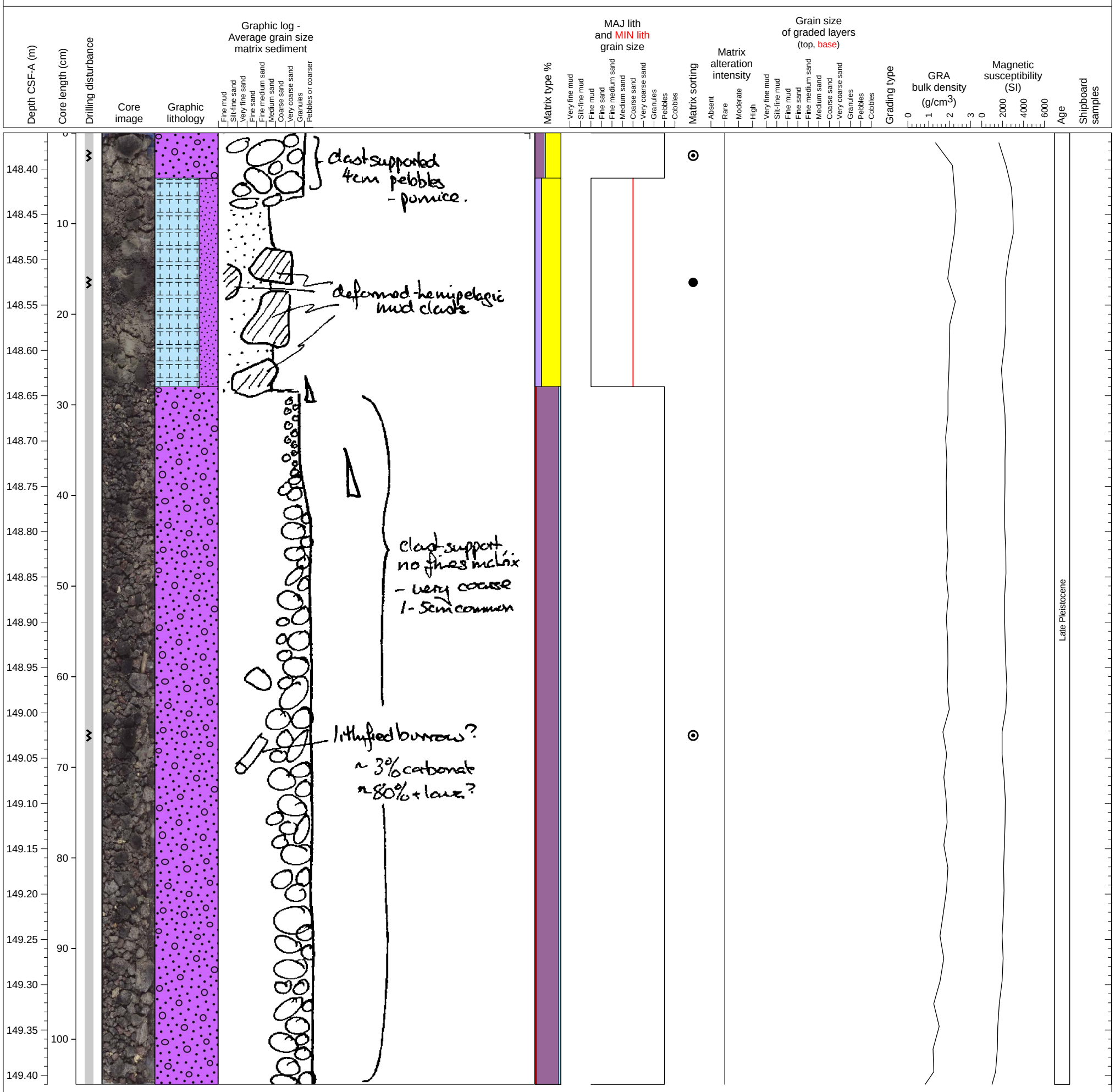
Hole 340-U1399B-21H Section 2, Top of Section: 146.86 CSF-A (m)

Mixture of volaniclastic gravel and sand probably caused drilling disturbance.



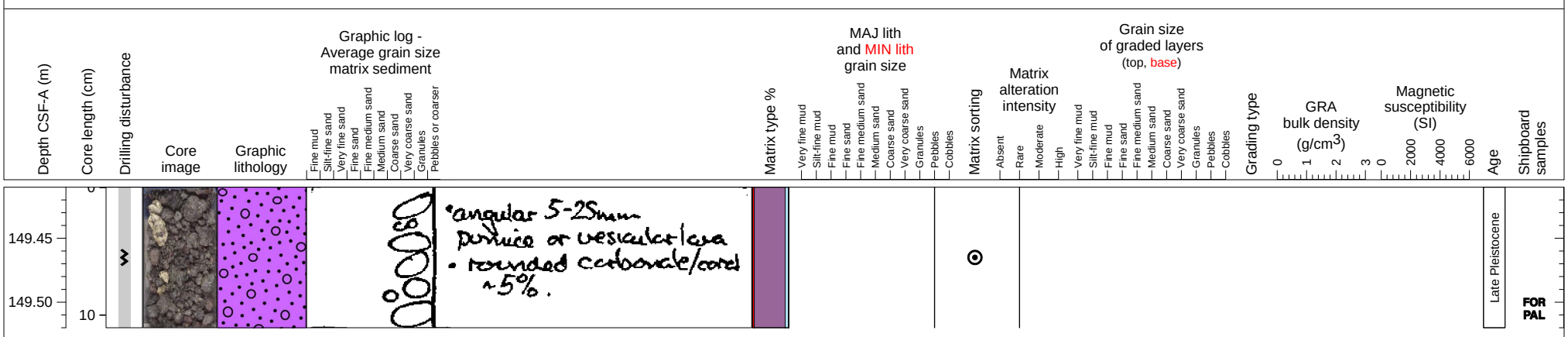
Hole 340-U1399B-21H Section 3, Top of Section: 148.36 CSF-A (m)

Volcaniclastic gravel made primarily of volcanic pebbles. A mixed hemipelagic clay and volcaniclastic sand layer is present at the section top.



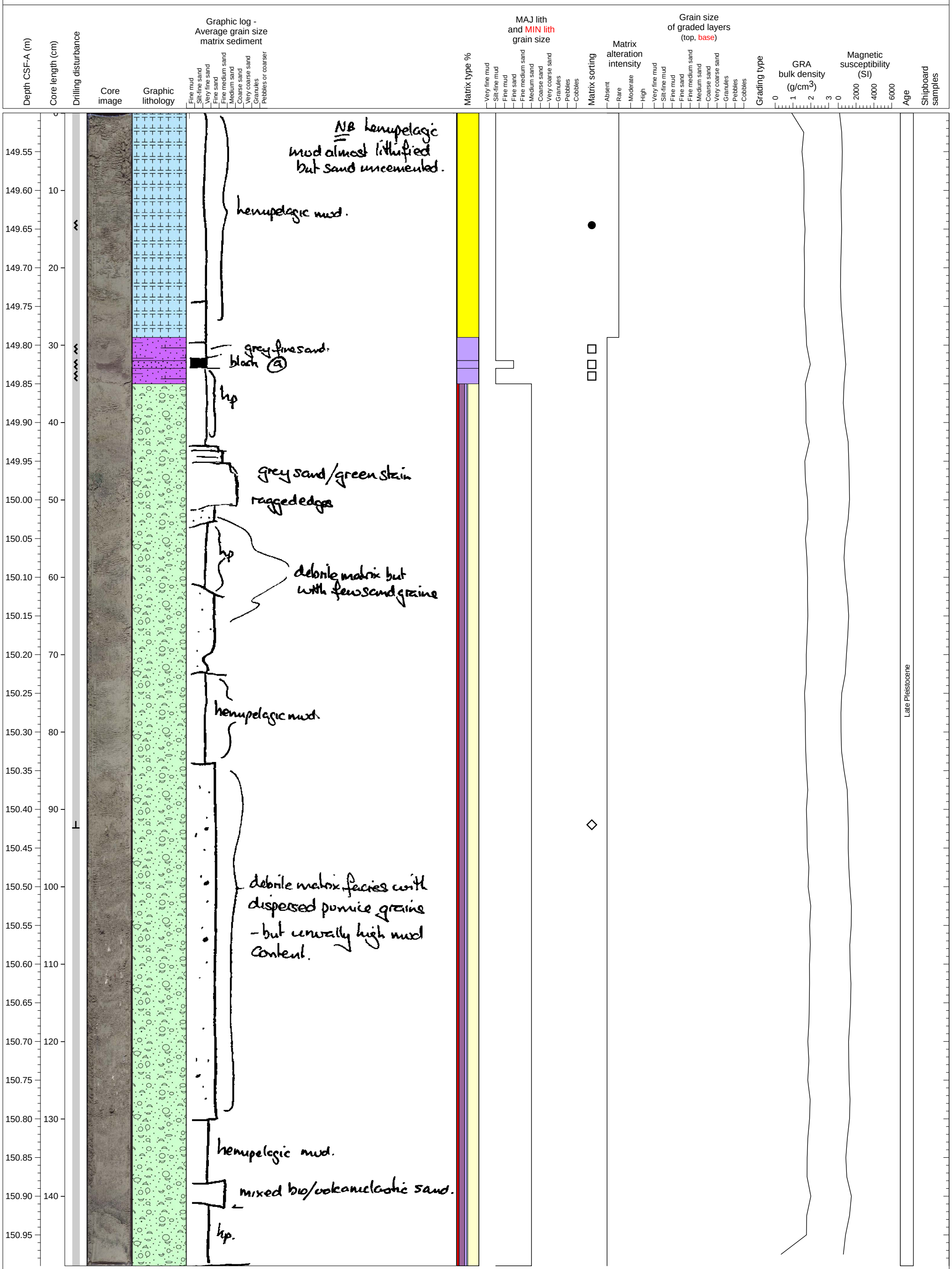
Hole 340-U1399B-21H Section CC, Top of Section: 149.41 CSF-A (m)

Volcaniclastic gravel made primarily of volcanic pebbles.



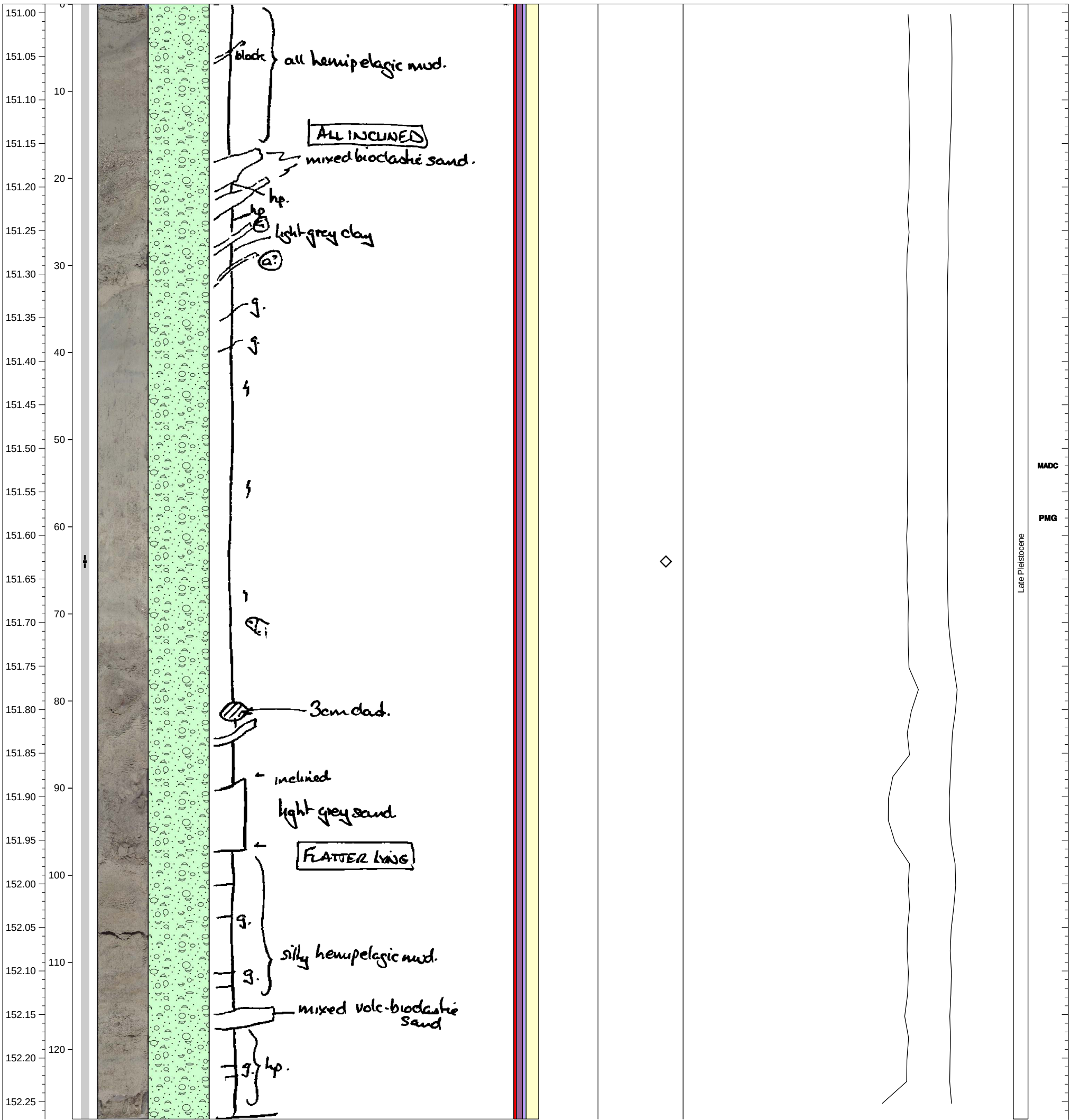
Hole 340-U1399B-22H Section 1, Top of Section: 149.5 CSF-A (m)

Debrite unit underlying a tephra layer.



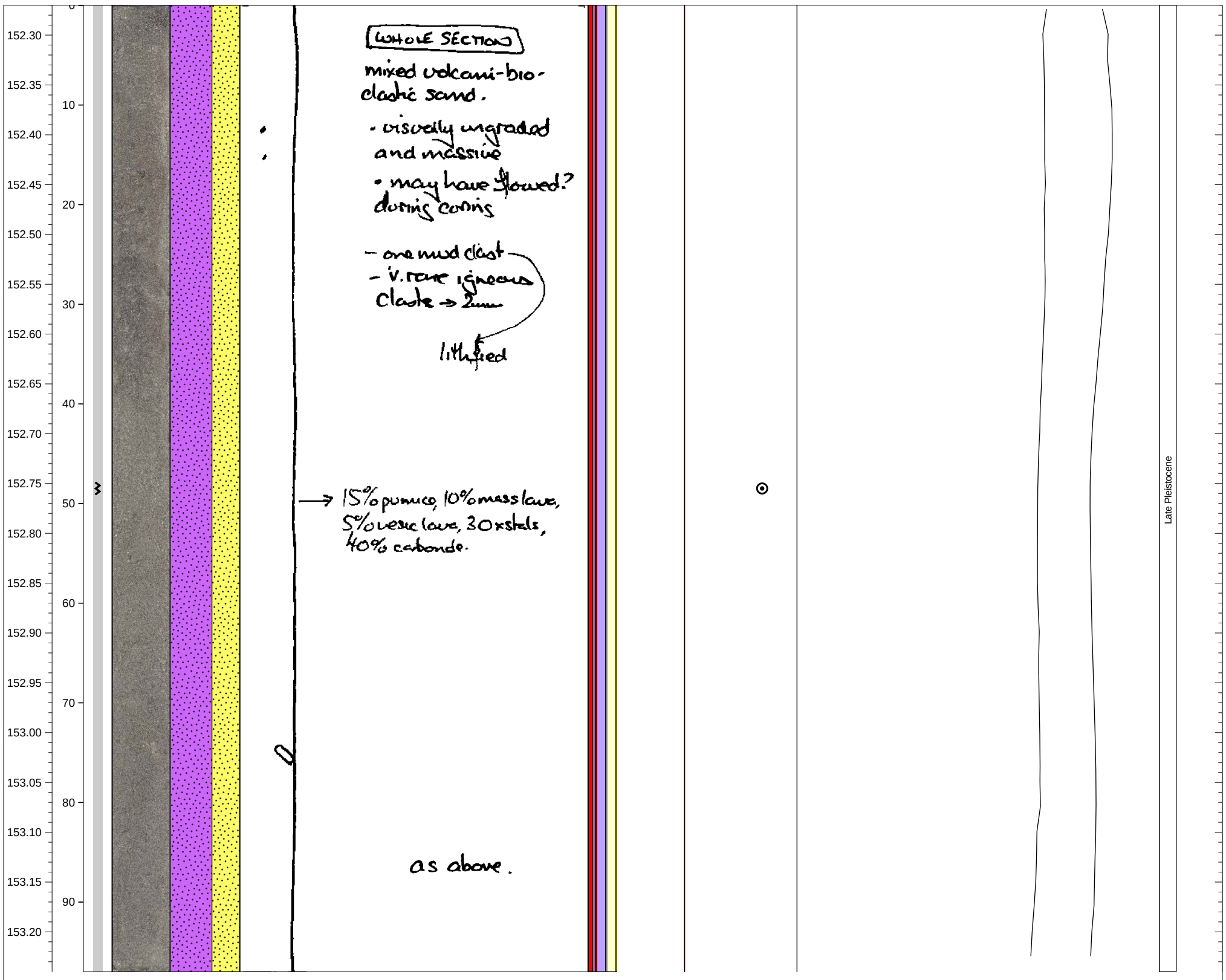
Hole 340-U1399B-22H Section 2, Top of Section: 150.99 CSF-A (m)

Massive debrite unit containing highly deformed and contorted large mud clasts.



Hole 340-U1399B-22H Section 3, Top of Section: 152.27 CSF-A (m)

Medium-grained volcaniclastic/bioclastic sand.



Hole 340-U1399B-22H Section 4, Top of Section: 153.24 CSF-A (m)

Medium-grained volcaniclastic/bioclastic 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

153.25 153.30 153.35 153.40 153.45 153.50 153.55 153.60 153.65 153.70 153.75 153.80 153.85 153.90 153.95 154.00 154.05 154.10 154.15 154.20 154.25 154.30 154.35 154.40 154.45

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

WHOLE SECTION
mixed volcanic-bio. clastic sand (medium grey) as for 22H-3
• massive/ungraded.

hemipelagic mud clasts

as above

15% pumice, 10% mafic lava, 5% vesic. lava, 37% altered, 33% carbonate

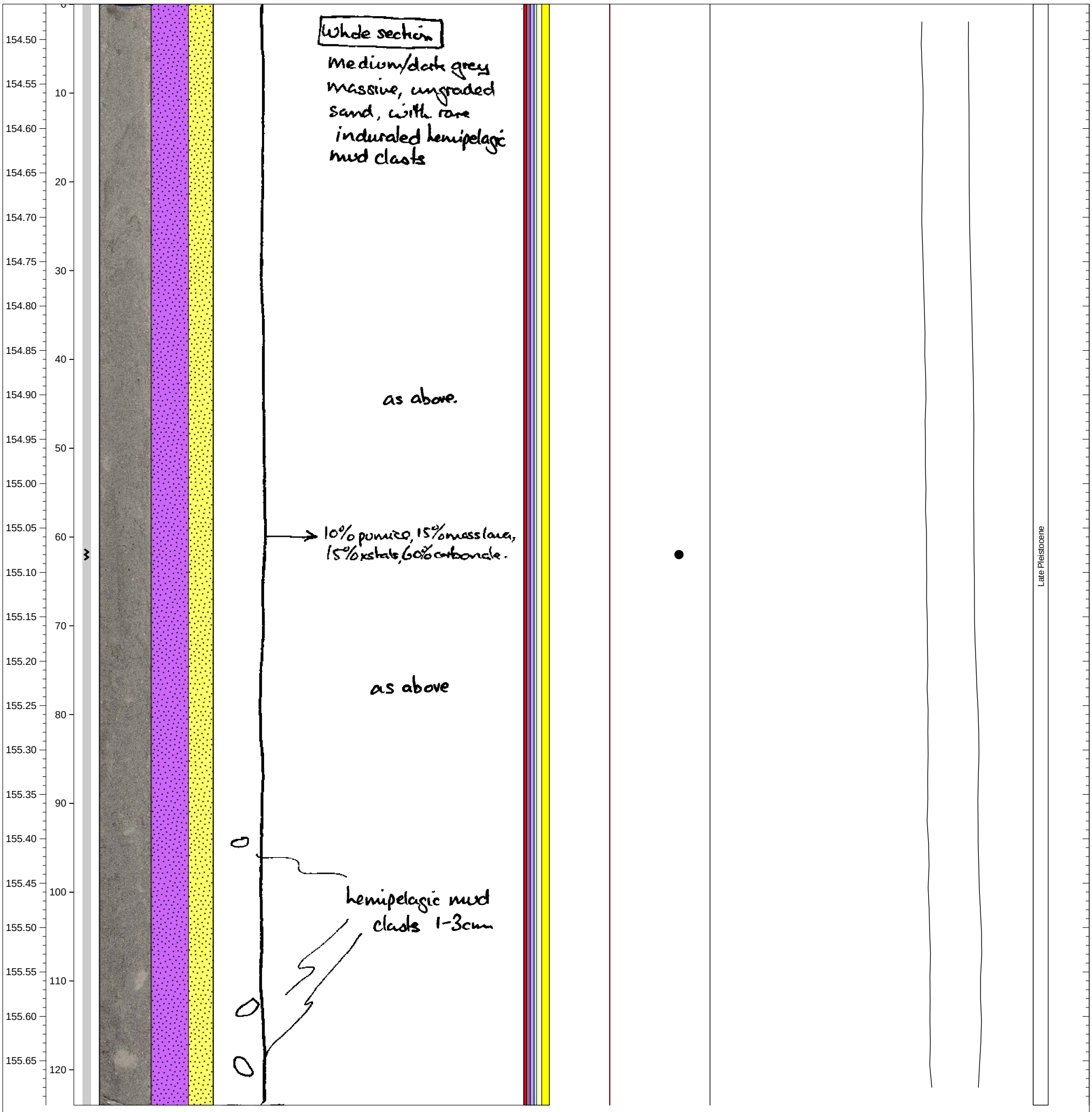
hp.

as above.

Late Pleistocene

Hole 340-U1399B-22H Section 5, Top of Section: 154.46 CSF-A (m)

Medium-grained volcaniclastic/bioclastic sand.



Hole 340-U1399B-22H Section 6, Top of Section: 155.7 CSF-A (m)

Medium-grained volcaniclastic/bioclastic 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

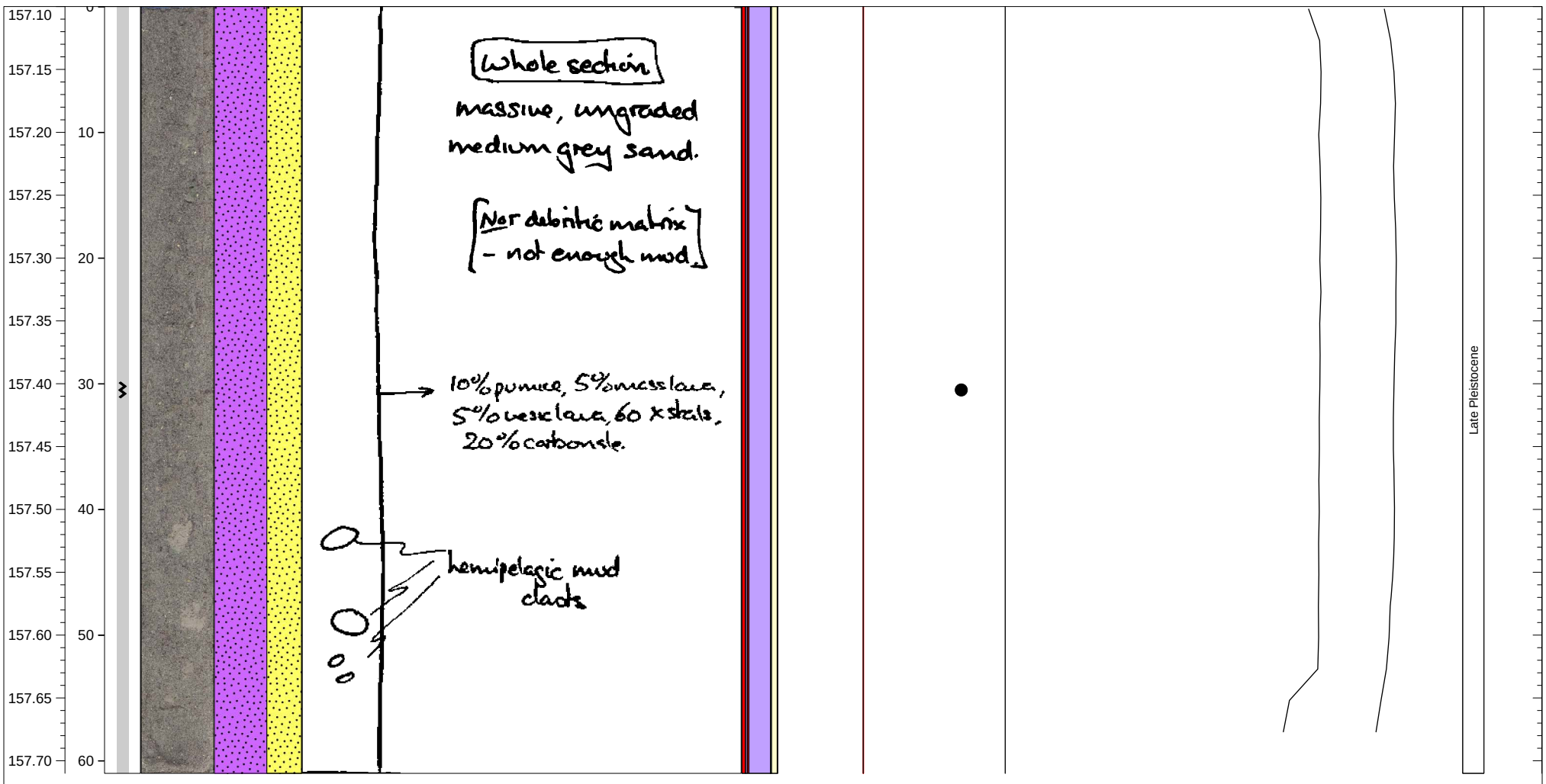
155.70 – 0
155.75
155.80 – 10
155.85
155.90 – 20
155.95
156.00 – 30
156.05
156.10 – 40
156.15
156.20 – 50
156.25
156.30 – 60
156.35
156.40 – 70
156.45
156.50 – 80
156.55
156.60 – 90
156.65
156.70 – 100
156.75
156.80 – 110
156.85
156.90 – 120
156.95
157.00 – 130
157.05
140

Whole section
medium-dark grey sand – some bioclastic component.
hemipelagic mud clasts
as above.
hp
1-3cm hemipelagic mud clasts
5% pumice, 15% mesostasis, 5% vesicular, 50% crystals, 25% carbonate.
as above
1cm hemipelagic mud clasts
as above.

Late Pleistocene

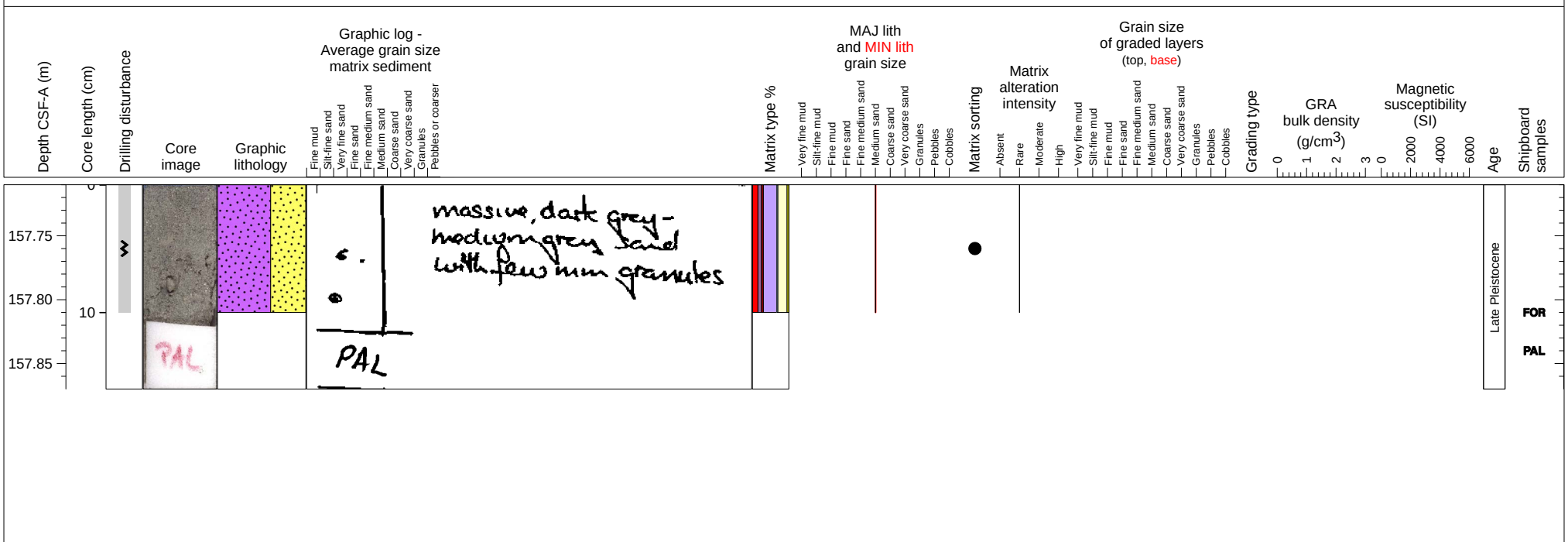
Hole 340-U1399B-22H Section 7, Top of Section: 157.1 CSF-A (m)

Medium-grained volcaniclastic/bioclastic sand.



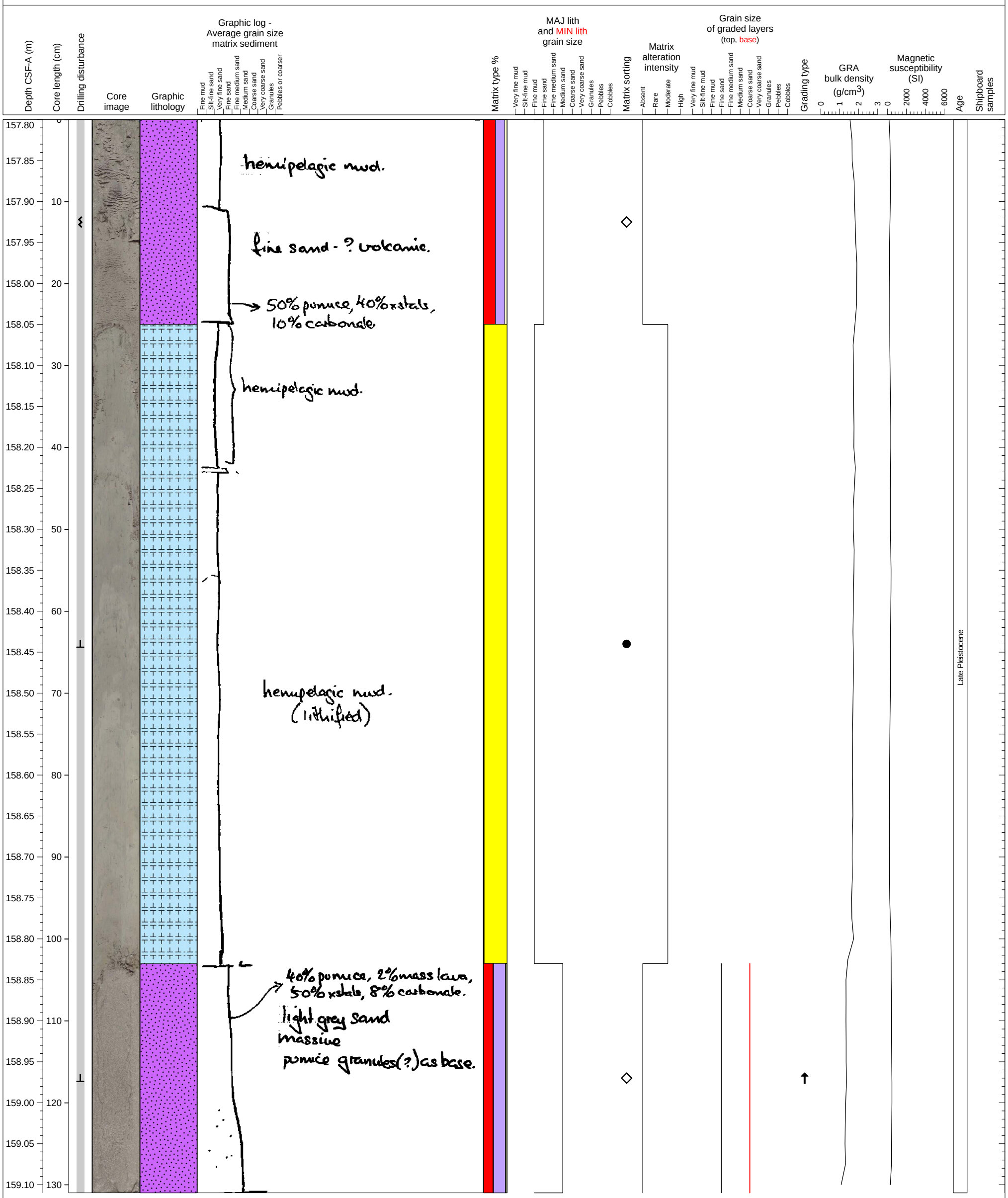
Hole 340-U1399B-22H Section CC, Top of Section: 157.71 CSF-A (m)

Medium-grained volcaniclastic/bioclastic sand. PAL sample from base.



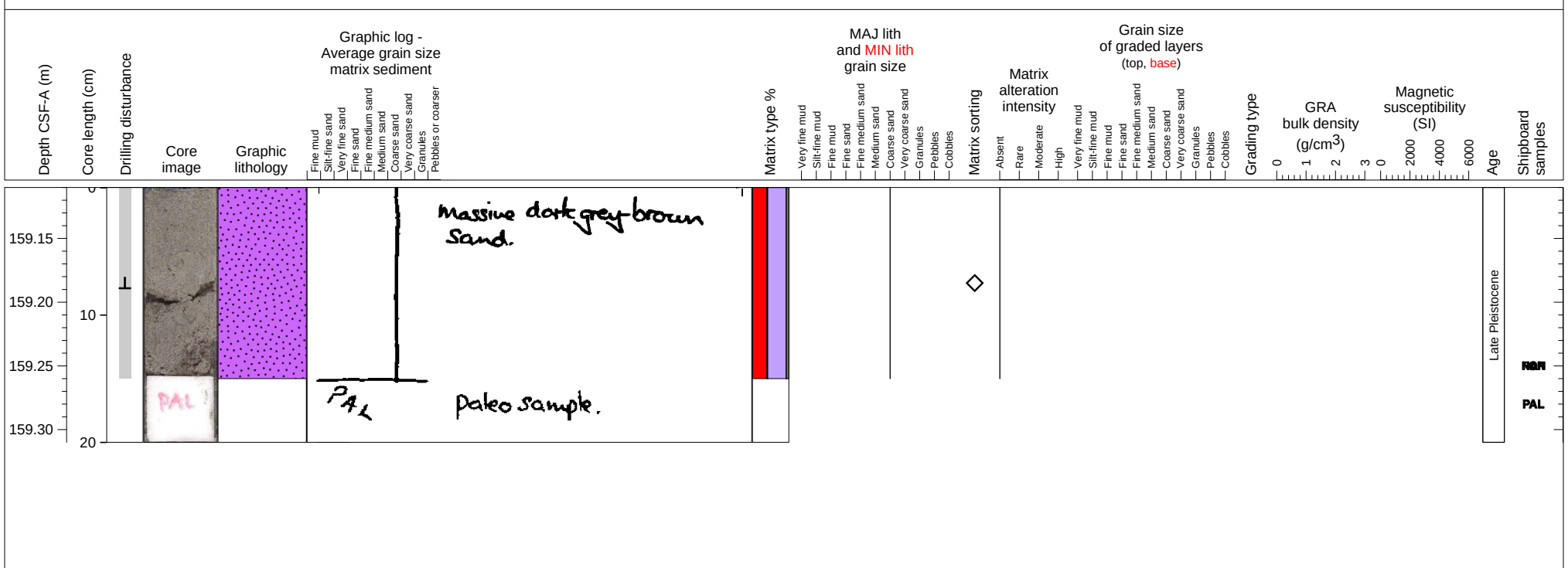
Hole 340-U1399B-23H Section 1, Top of Section: 157.8 CSF-A (m)

Hemipelagic sediment and volcaniclastic turbidites at top and bottom.



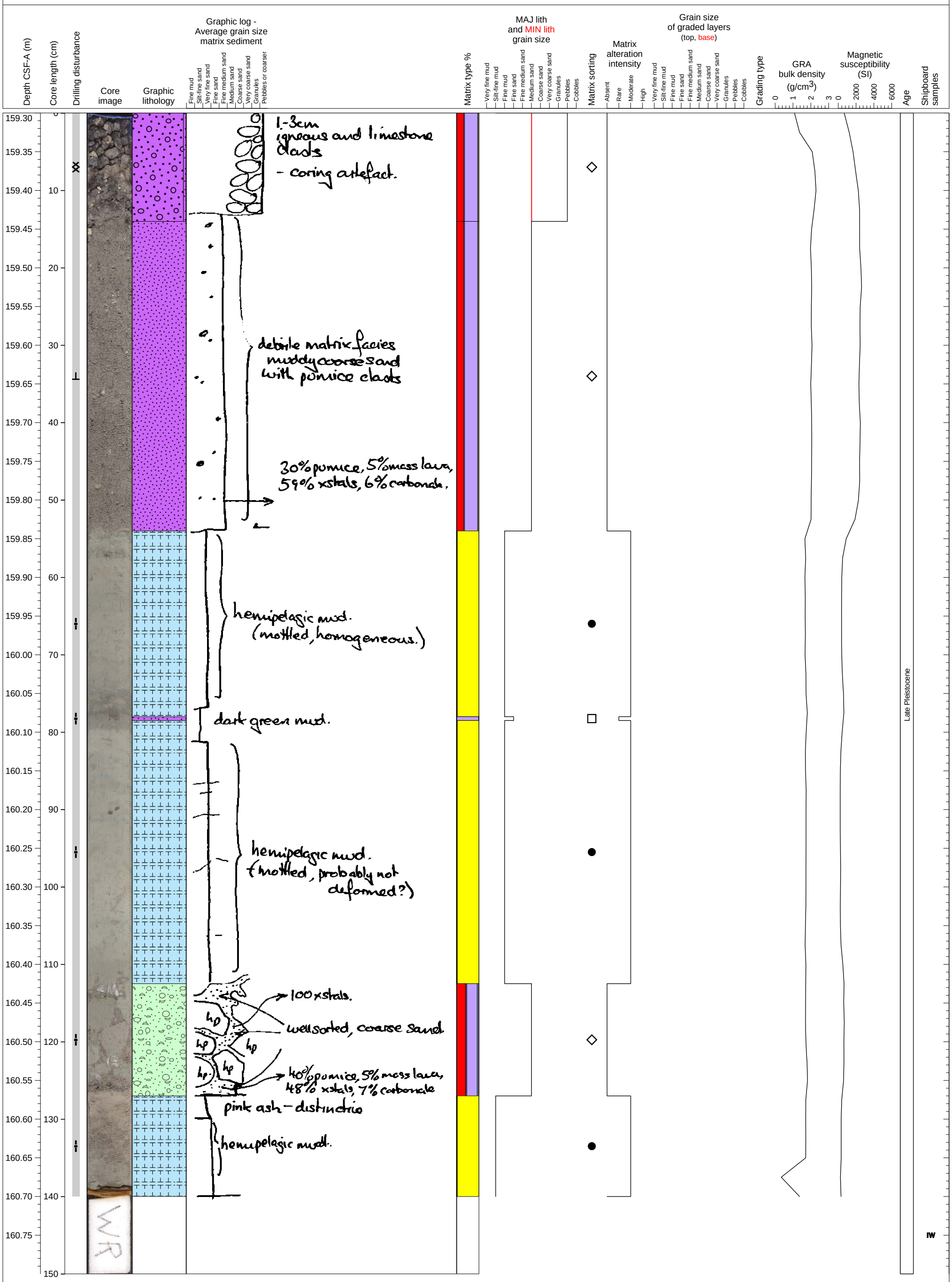
Hole 340-U1399B-23H Section CC, Top of Section: 159.11 CSF-A (m)

Part of volcaniclastic turbidite continuing from section 1.



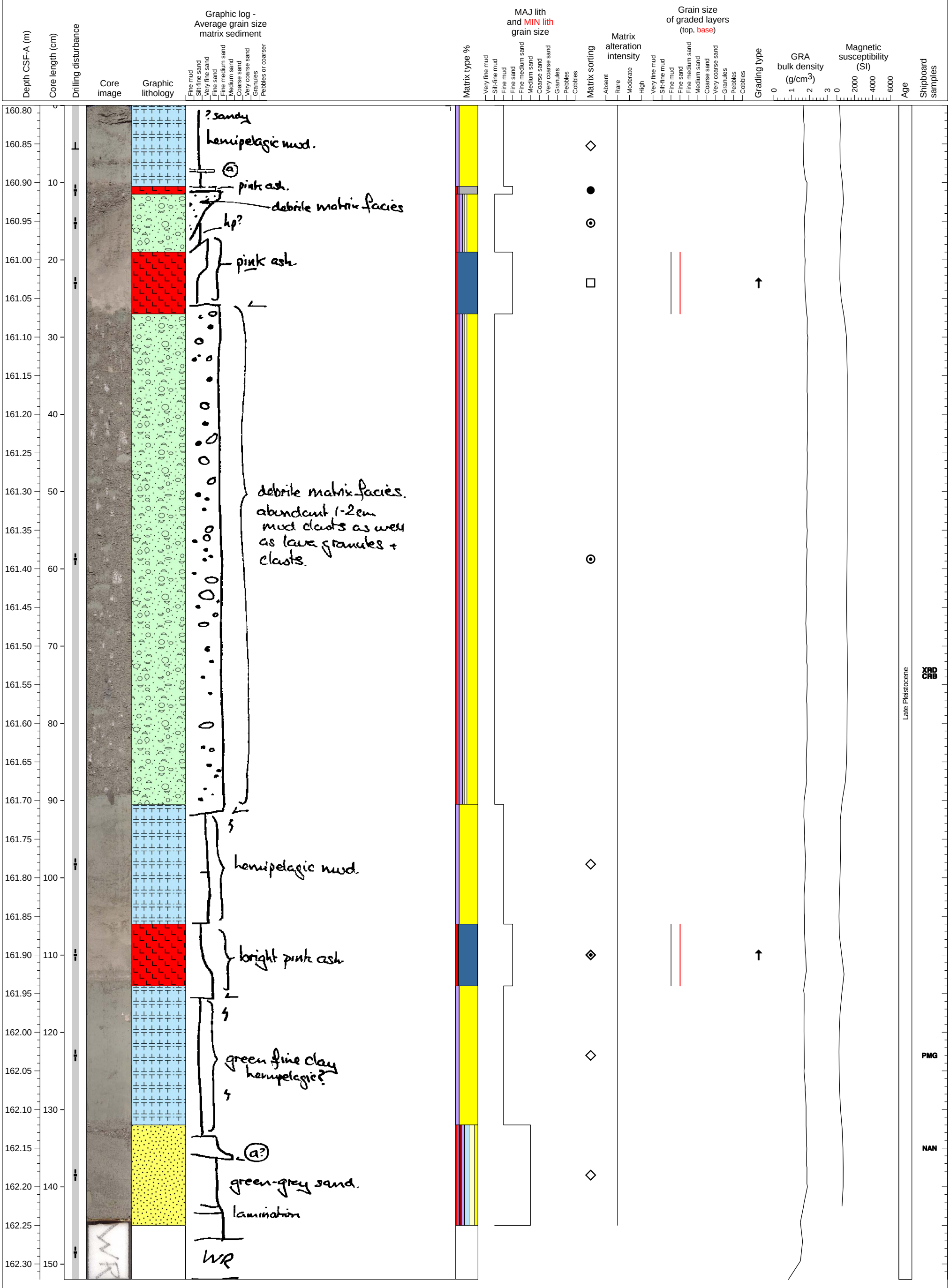
Hole 340-U1399B-24H Section 1, Top of Section: 159.3 CSF-A (m)

Debrite interlayered with hemipelagic sediment. A tephra layer bioturbated is present in hemipelagic sediment.



Hole 340-U1399B-24H Section 2, Top of Section: 160.8 CSF-A (m)

Hemipelagic clay interlayered with muddy sand and ash layers.



Hole 340-U1399B-24H Section 3, Top of Section: 162.32 CSF-A (m)

Mixed volcaniclastic/bioclastic sand. Pumice clasts appear in the upper 50cm, but due to drilling disturbances are not likely in situ.

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

common white lava or pumice clasts.

WHOLE SECTION
massive - dark or medium grey sand - not debritic high mud content

clast free - but matrix same grain size - medium-grey

Late Pleistocene

Hole 340-U1399B-24H Section 4, Top of Section: 163.54 CSF-A (m)

This section is likely a drilling disturbance. Mixed volcaniclastic/bioclastic sand. Clast sorting visible at bottom 75cm of barrel.

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

163.55
163.60
163.65
163.70
163.75
163.80
163.85
163.90
163.95
164.00
164.05
164.10
164.15
164.20
164.25
164.30
164.35
164.40
164.45
164.50
164.55
164.60
164.65
164.70
164.75
164.80
164.85
164.90
164.95
165.00

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

Whole section medium-dark grey massive sand.
- no visible grading
- not debritic facies as lower mud content

almost no pumice clasts.

Zone with abundant angular pumices

Late Pleistocene

Hole 340-U1399B-24H Section 5, Top of Section: 165.03 CSF-A (m)

Mixed volcaniclastic/bioclastic 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

165.05
165.10
165.15
165.20
165.25
165.30
165.35
165.40
165.45
165.50
165.55
165.60
165.65
165.70
165.75
165.80
165.85
165.90
165.95
166.00
166.05
166.10
166.15
166.20
166.25
166.30

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

whole section

massive - medium dark grey sand.

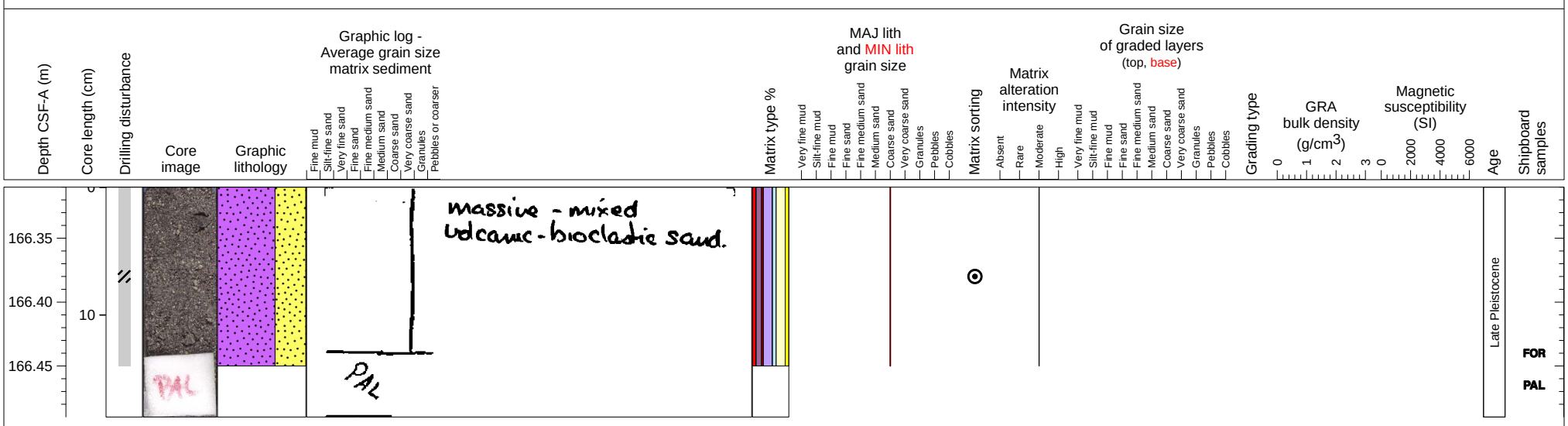
- coarser at base
- some pumice clasts

→ 2% pumice, 15% massive lava, 3% vesicular lava, 60% crst. 20% carbonate.

Late Pleistocene

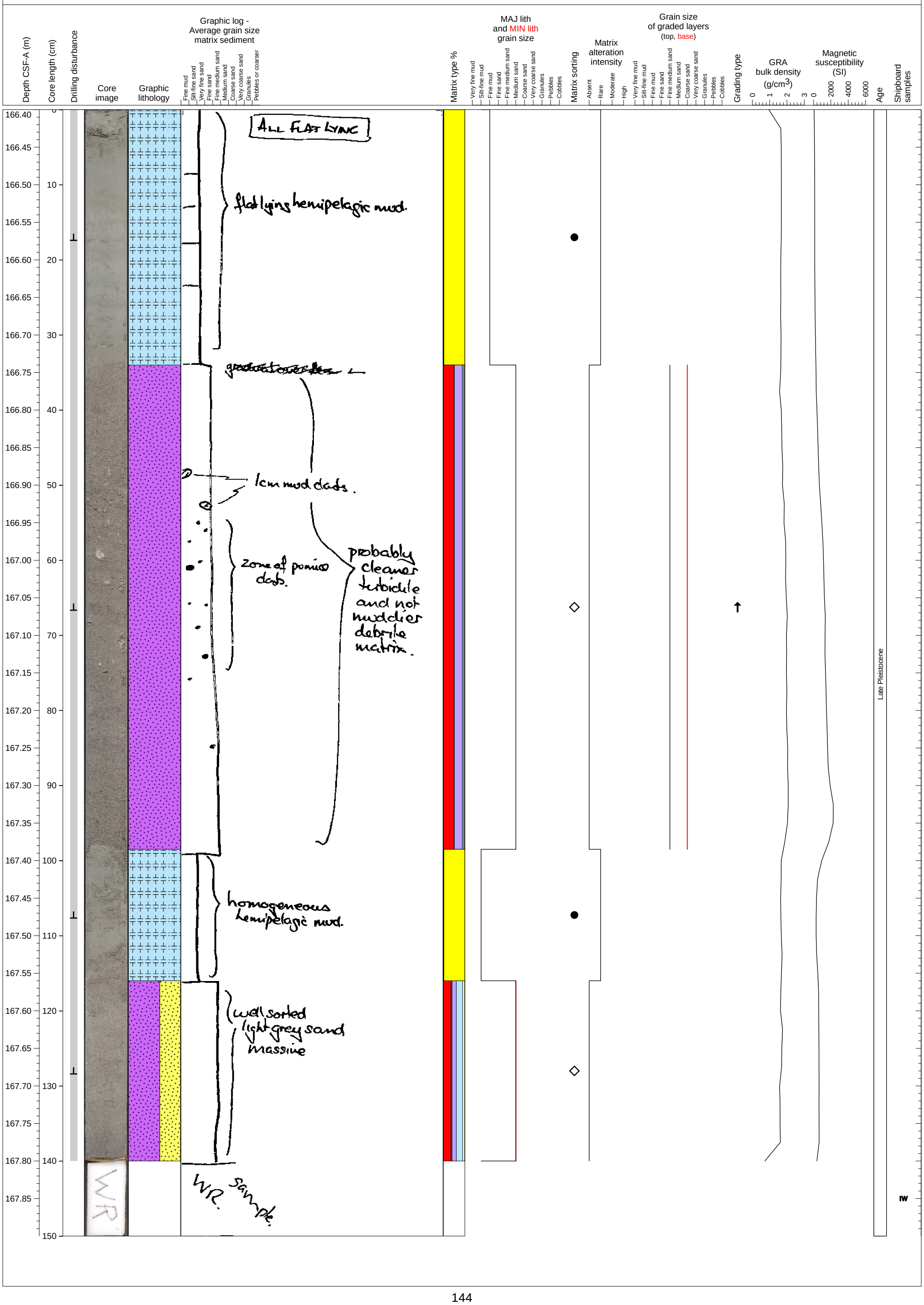
Hole 340-U1399B-24H Section CC, Top of Section: 166.31 CSF-A (m)

Mixed volcaniclastic/bioclastic sand. PAL sample from base.



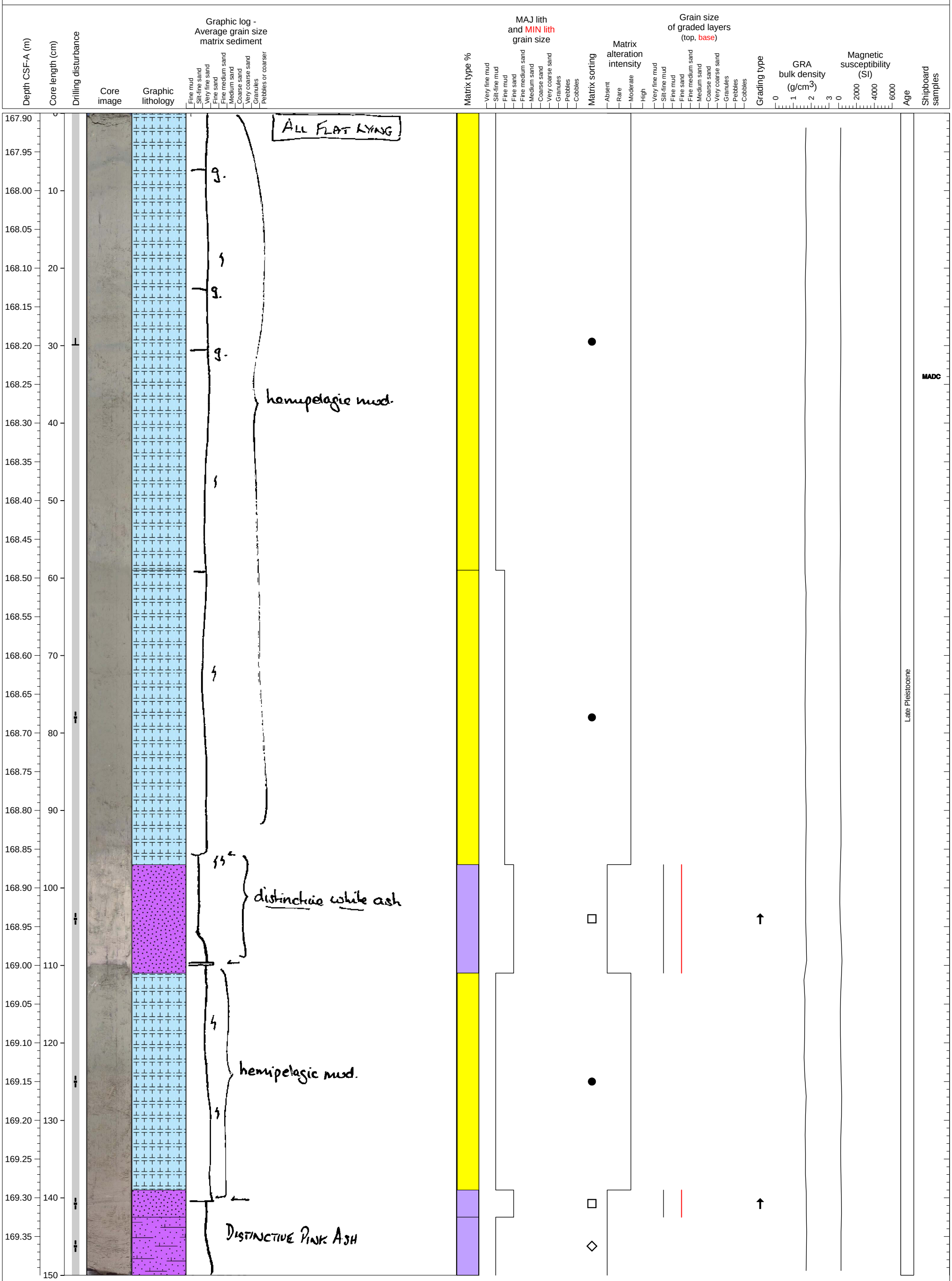
Hole 340-U1399B-25H Section 1, Top of Section: 166.4 CSF-A (m)

Hemipelagic sediments interlayered with two turbidite units.



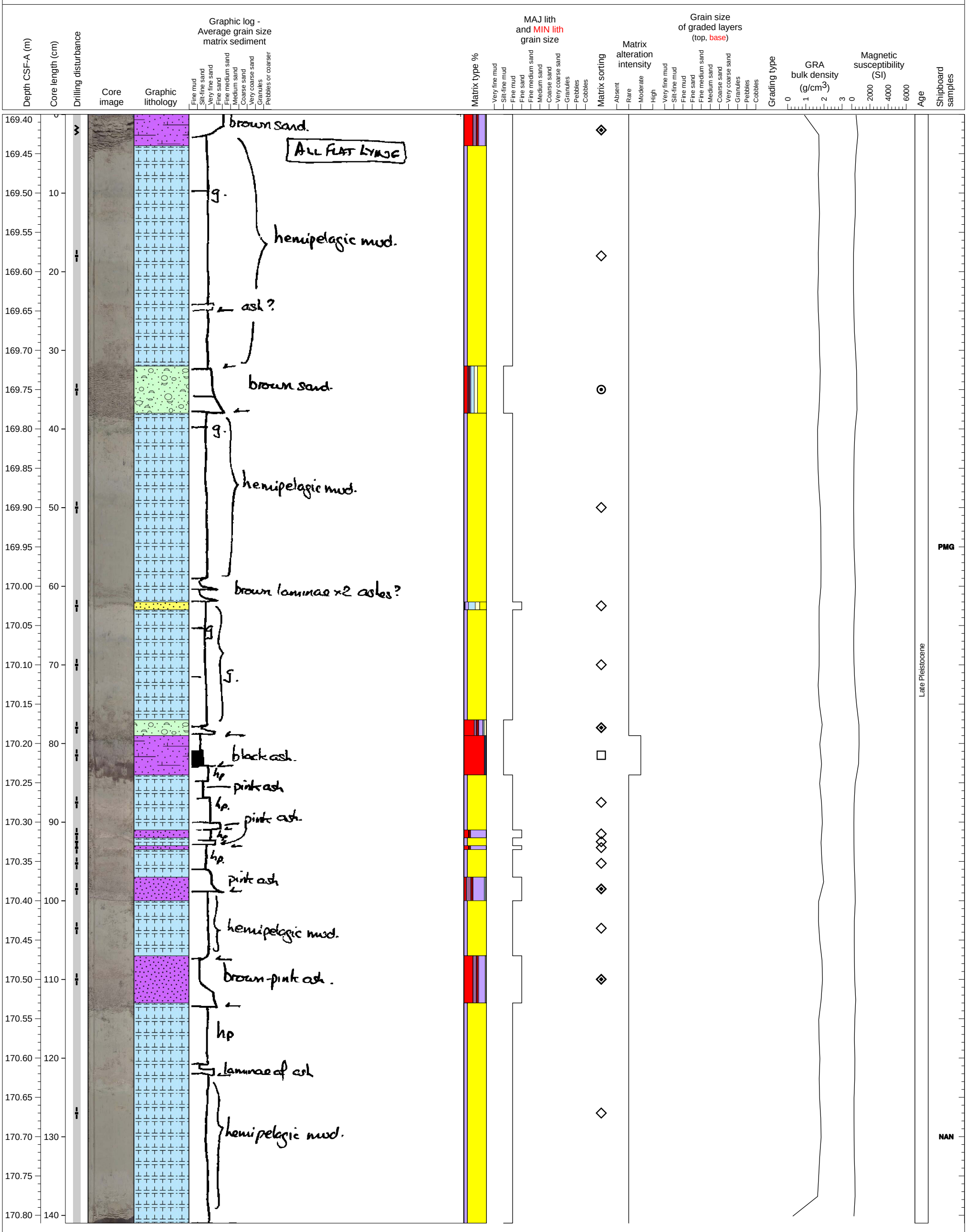
Hole 340-U1399B-25H Section 2, Top of Section: 167.9 CSF-A (m)

Hemipelagic sediments interlayered with two pinkish-whitish colored volcaniclastic sand with normal grading which will be maker tephras.



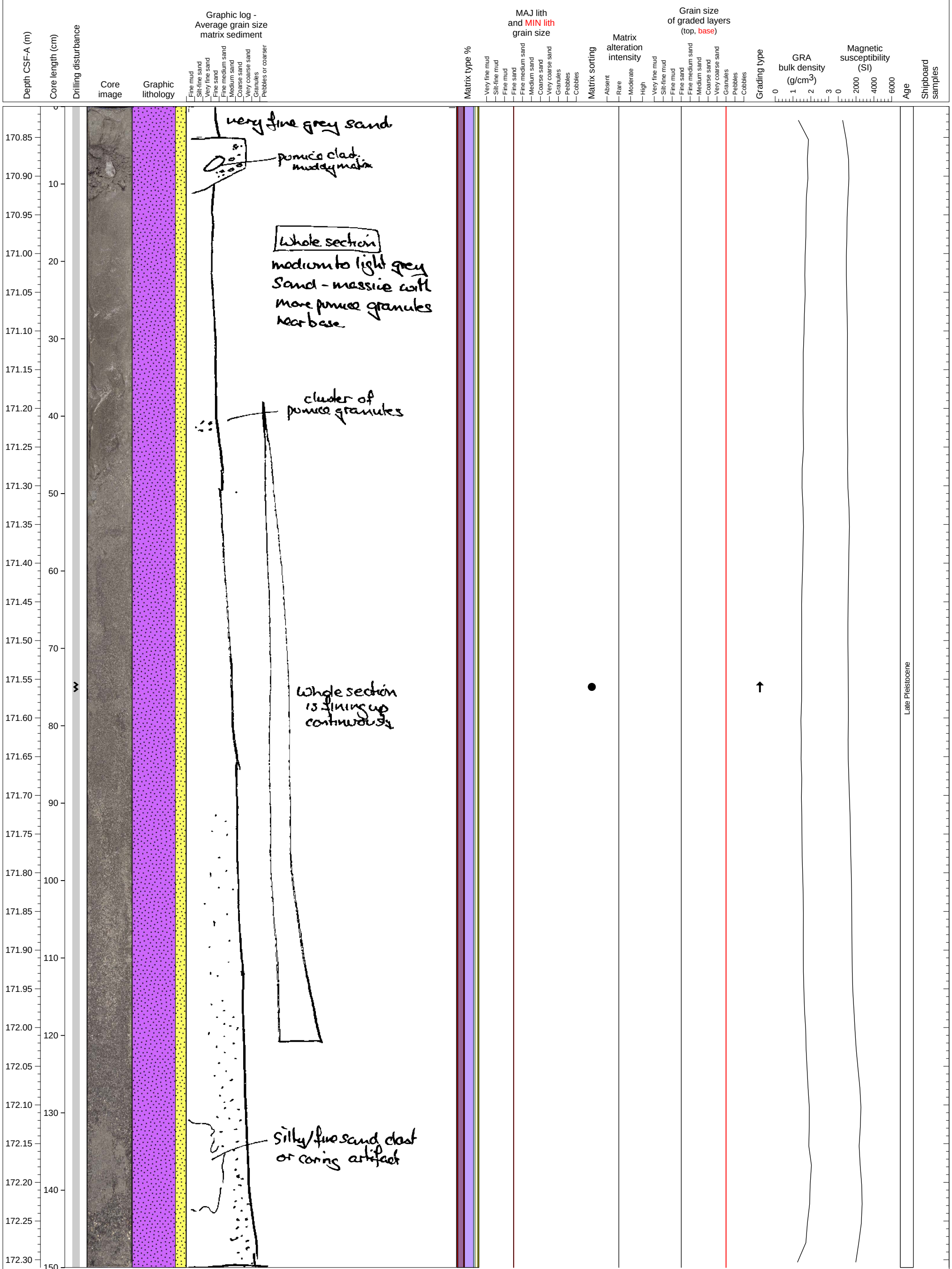
Hole 340-U1399B-25H Section 3, Top of Section: 169.4 CSF-A (m)

Hemipelagic clay interlayered with abundant volcaniclastic sand-mud deposits and several layers of muddy sand.



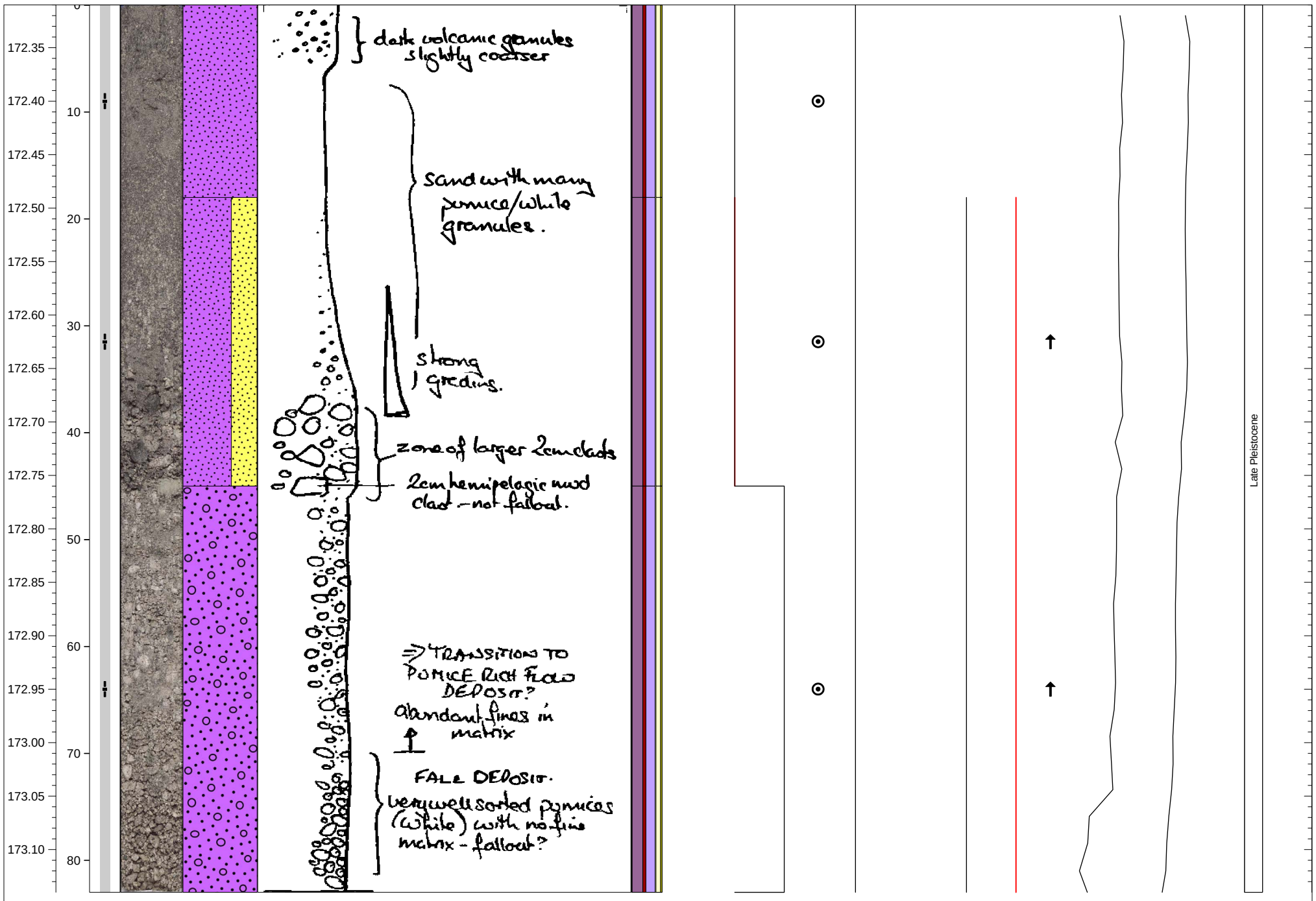
Hole 340-U1399B-25H Section 4, Top of Section: 170.81 CSF-A (m)

Mixed volcaniclastic/bioclastic sand. Settling of pumice granules likely due to drilling disturbance.



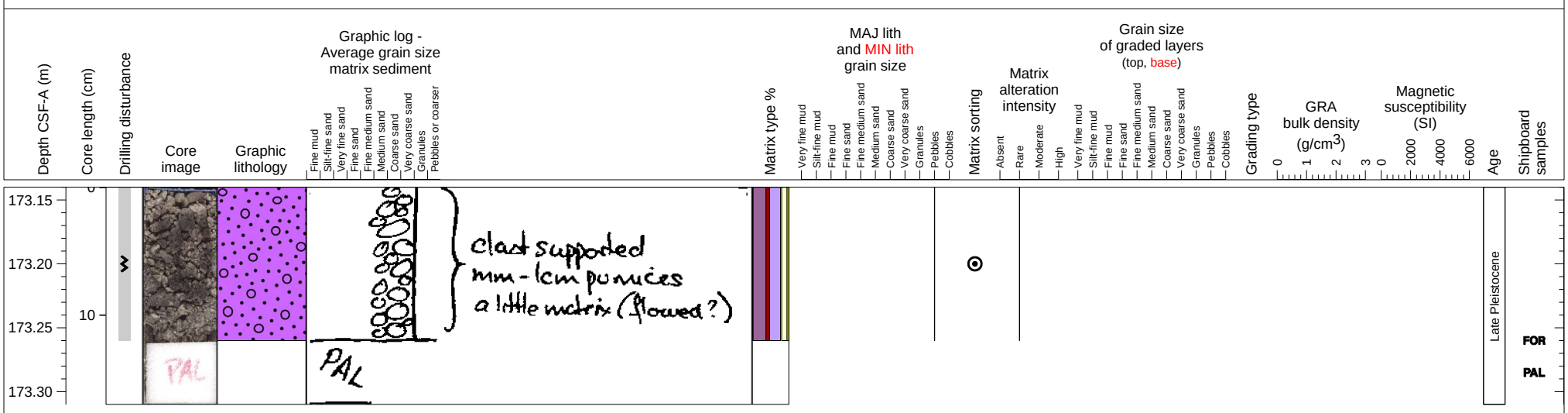
Hole 340-U1399B-25H Section 5, Top of Section: 172.31 CSF-A (m)

Normally graded volcaniclastic gravel and sand deposits; clasts primarily of pumice.



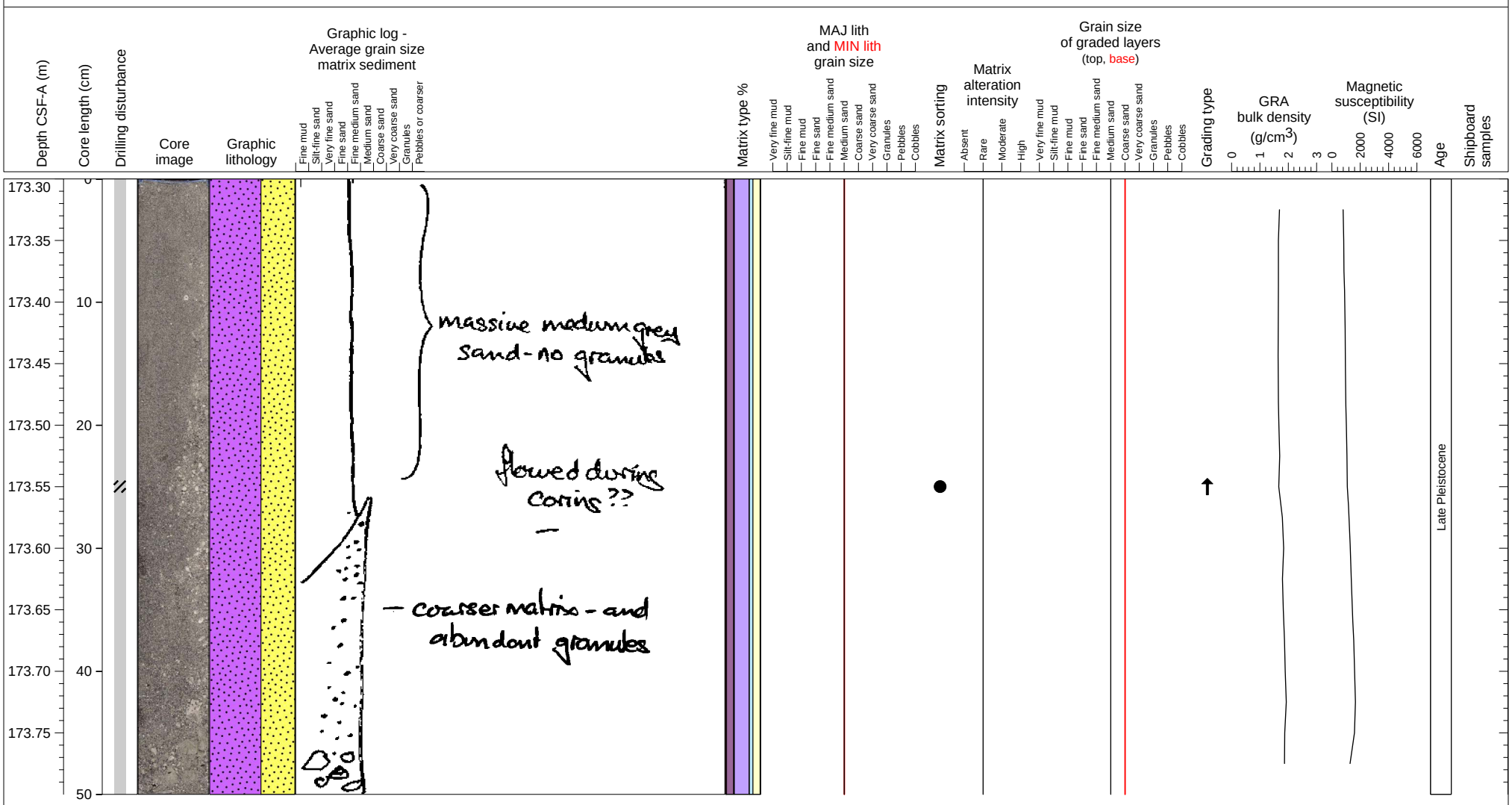
Hole 340-U1399B-25H Section CC, Top of Section: 173.14 CSF-A (m)

Volcaniclastic gravel deposit composed of pumice pebbles.



Hole 340-U1399B-26H Section 1, Top of Section: 173.3 CSF-A (m)

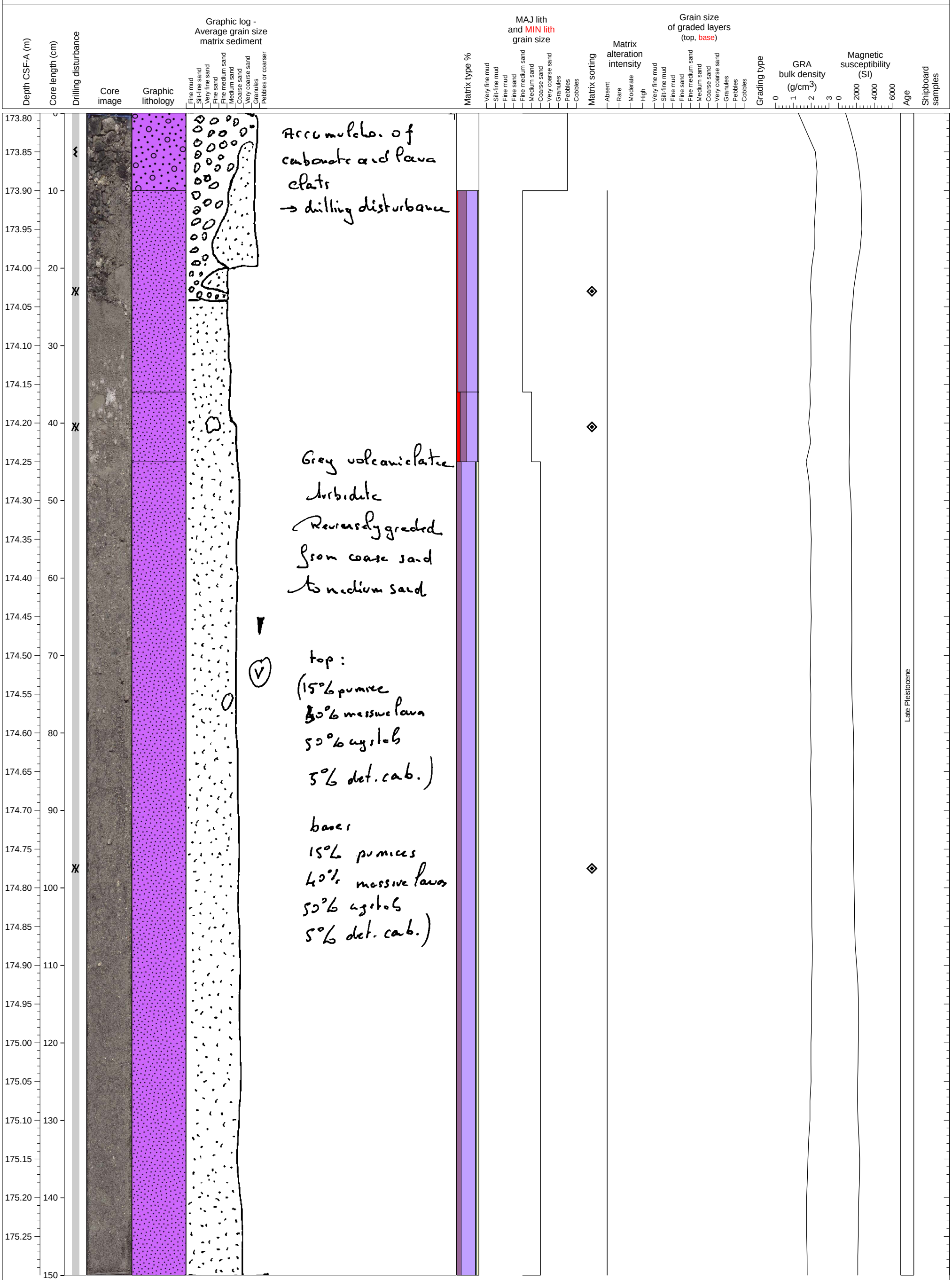
Mixed volcaniclastic/bioclastic sand. Normal grading likely due to settling during drilling.



U1399B-26H-CC ALL TO PALEO

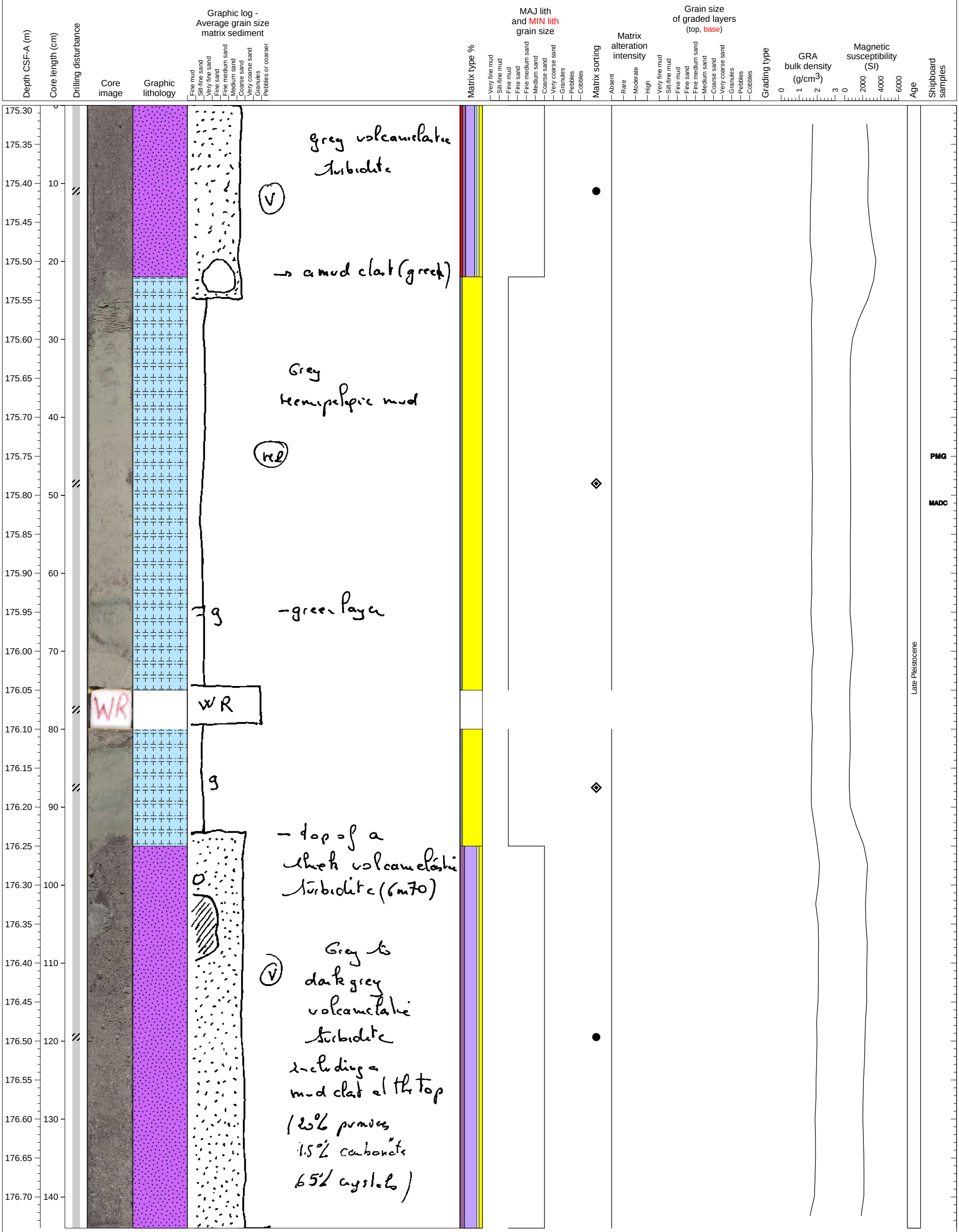
Hole 340-U1399B-27H Section 1, Top of Section: 173.8 CSF-A (m)

Part of volcaniclastic turbidite.



Hole 340-U1399B-27H Section 2, Top of Section: 175.3 CSF-A (m)

Volcaniclastic turbidite intercalated with hemipelagic sediment.



Hole 340-U1399B-27H Section 3, Top of Section: 176.74 CSF-A (m)

Part of a thick 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

176.75
176.80
176.85
176.90
176.95
177.00
177.05
177.10
177.15
177.20
177.25
177.30
177.35
177.40
177.45
177.50
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

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

Grey-to dak grey volcaniclastic turbidite with Page pumice clasts

(thickness of the turbidite 6m 70 cm)

Late Pleistocene

Hole 340-U1399B-27H Section 4, Top of Section: 178.19 CSF-A (m)

Part of a thick 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

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
179.00
179.05
179.10
179.15
179.20
179.25
179.30
179.35
179.40
179.45
179.50
179.55

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

Grey to dark grey volcaniclastic turbidite

Late Pleistocene

Hole 340-U1399B-27H Section 5, Top of Section: 179.59 CSF-A (m)

Part of a thick 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)
Magnetic susceptibility (SI)
Age
Shipboard samples

Grey to dark grey volcaniclastic turbidite

Late Pleistocene

Hole 340-U1399B-27H Section 6, Top of Section: 181.1 CSF-A (m)

Part of a thick 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)
Magnetic susceptibility (SI)
Age
Shipboard samples

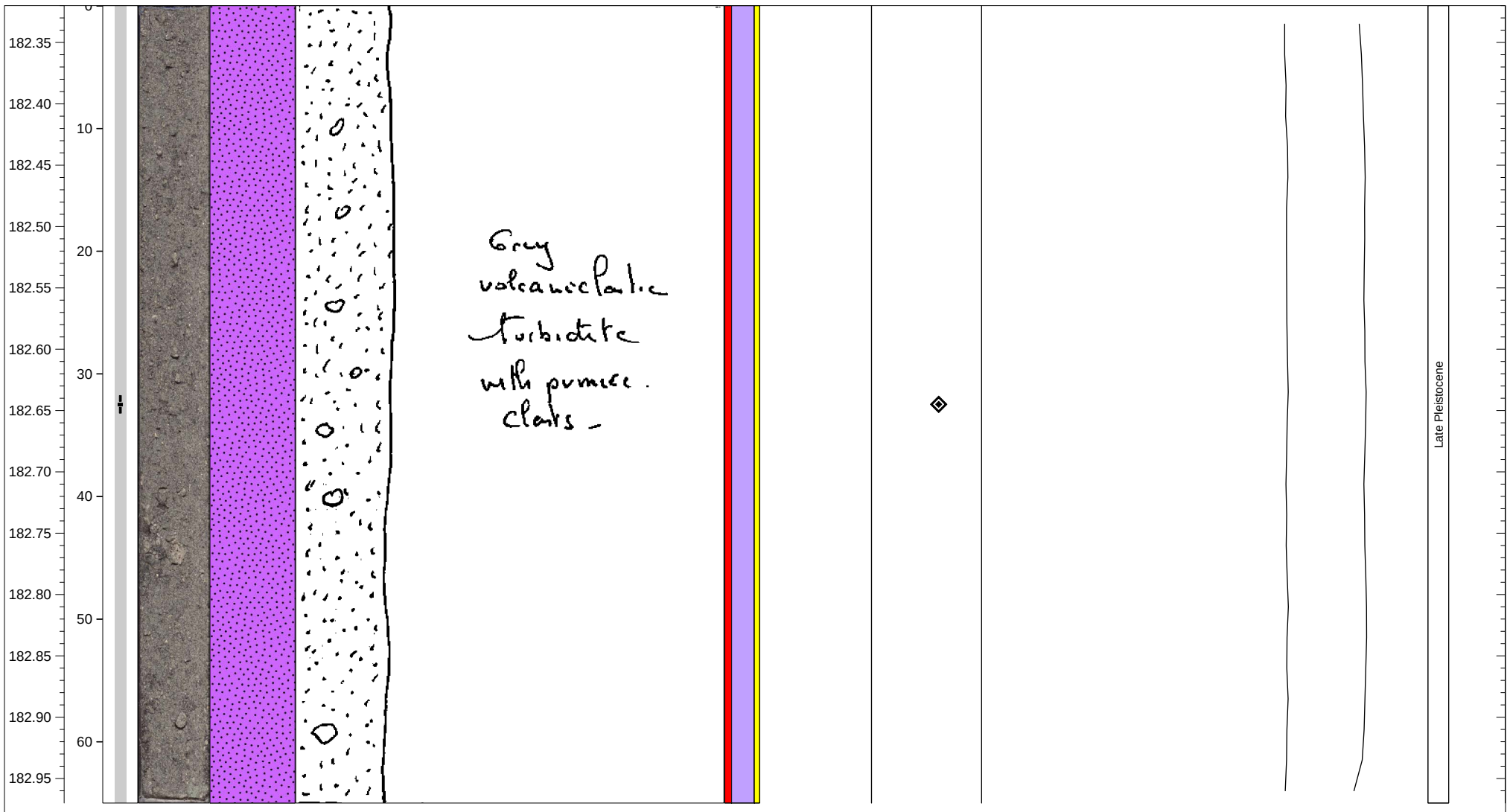
181.10 – 0
181.15
181.20 – 10
181.25
181.30 – 20
181.35
181.40 – 30
181.45
181.50 – 40
181.55
181.60 – 50
181.65
181.70 – 60
181.75
181.80 – 70
181.85
181.90 – 80
181.95
182.00 – 90
182.05
182.10 – 100
182.15
182.20 – 110
182.25
182.30 – 120

Grey to dark grey volcaniclastic turbidite

Late Pleistocene

Hole 340-U1399B-27H Section 7, Top of Section: 182.32 CSF-A (m)

Part of a thick volcaniclastic-sand unit



Hole 340-U1399B-27H Section CC, Top of Section: 182.97 CSF-A (m)

Part of a thick volcaniclastic-sand unit