Hole 340-U1400C-21H Section 1, Top of Section: 172.1 CSF-A (m)

Hemipelagic sediments with multiple ash layers.

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

172.10 | 0
172.15
172.20 | 10
172.25
172.30 | 20
172.35
172.40 | 30
172.45
172.50 | 40
172.55
172.60 | 50
172.65
172.70 | 60
172.75
172.80 | 70
172.85
172.90 | 80
172.95
173.00 | 90
173.05
173.10 | 100
173.15
173.20 | 110
173.25
173.30 | 120
173.35
173.40 | 130
173.45
173.50 | 140
173.55
150

Deformed hemipelagic mud

Compacted sedim.

Highly mottled greenish grey hem. pelagic mud

tephra layers

the top of the tephra layer is mixed w. the mud

- tephra layer

30% pumices
85% cryst
5% carbonats

Late Pleistocene

Hole 340-U1400C-21H Section 2, Top of Section: 173.6 CSF-A (m)

Mottled hemipelagic sediment with intercalated thin tephra layer

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

Deformed hemipelagic mud : 40°

Greenish-grey hemipelagic mud

→ thin tephra layer

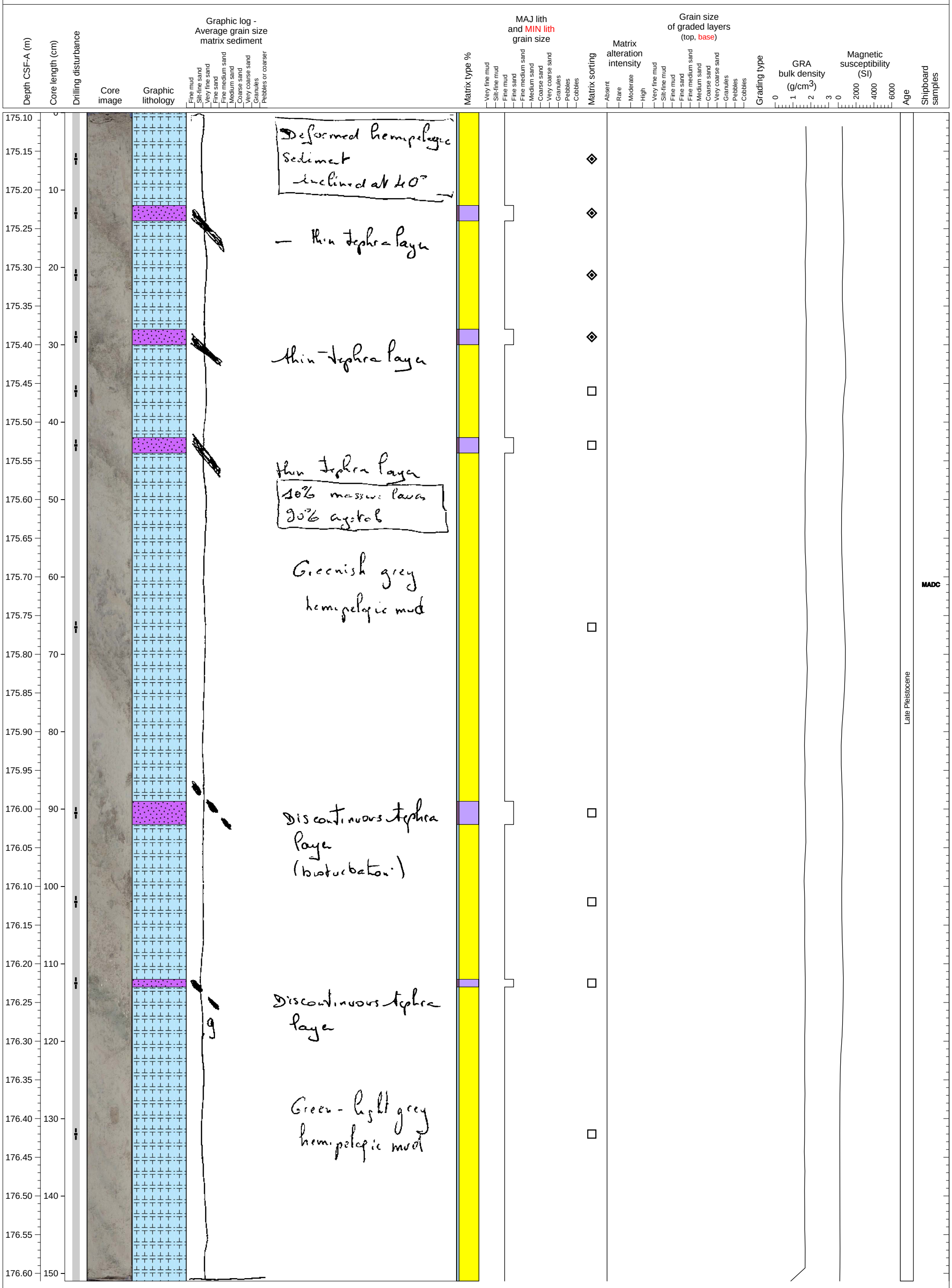
10% mass. lapilli
50% crystals
10% oxidized lapilli
30% matrix carb.

PMG

Late Pleistocene

Hole 340-U1400C-21H Section 3, Top of Section: 175.1 CSF-A (m)

Hemipelagic mud with several thin ashfall or turbidite layers (heavily bioturbated).



Hole 340-U1400C-21H Section 4, Top of Section: 176.61 CSF-A (m)

Contorted mottled hemipelagic sediment with intercalated volcanic ash layers

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

176.65
176.70
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

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

Deformed hemipelagic mud inclined à 45°

g

Green-brown-grey hemipelagic mud

g
g
g

tephra layer
5% pumices, 75% crystals,
5% oxidized lava
15% carbonate

thick tephra layer
normally graded
25% pumices
25% massive lavas
35% crystals
10% oxidized lavas
5% bioclastes

Late Pleistocene

Hole 340-U1400C-21H Section 5, Top of Section: 178.11 CSF-A (m)

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

178.15
178.20
178.25
178.30
178.35
178.40
178.45
178.50
178.55
178.60
178.65
178.70
178.75
178.80
178.85
178.90
178.95
179.00
179.05
179.10
179.15
179.20
179.25
179.30
179.35
179.40
179.45
179.50
179.55
179.60

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

highly deformed hemipelagic mud green laminae inclined at 45°

g

g

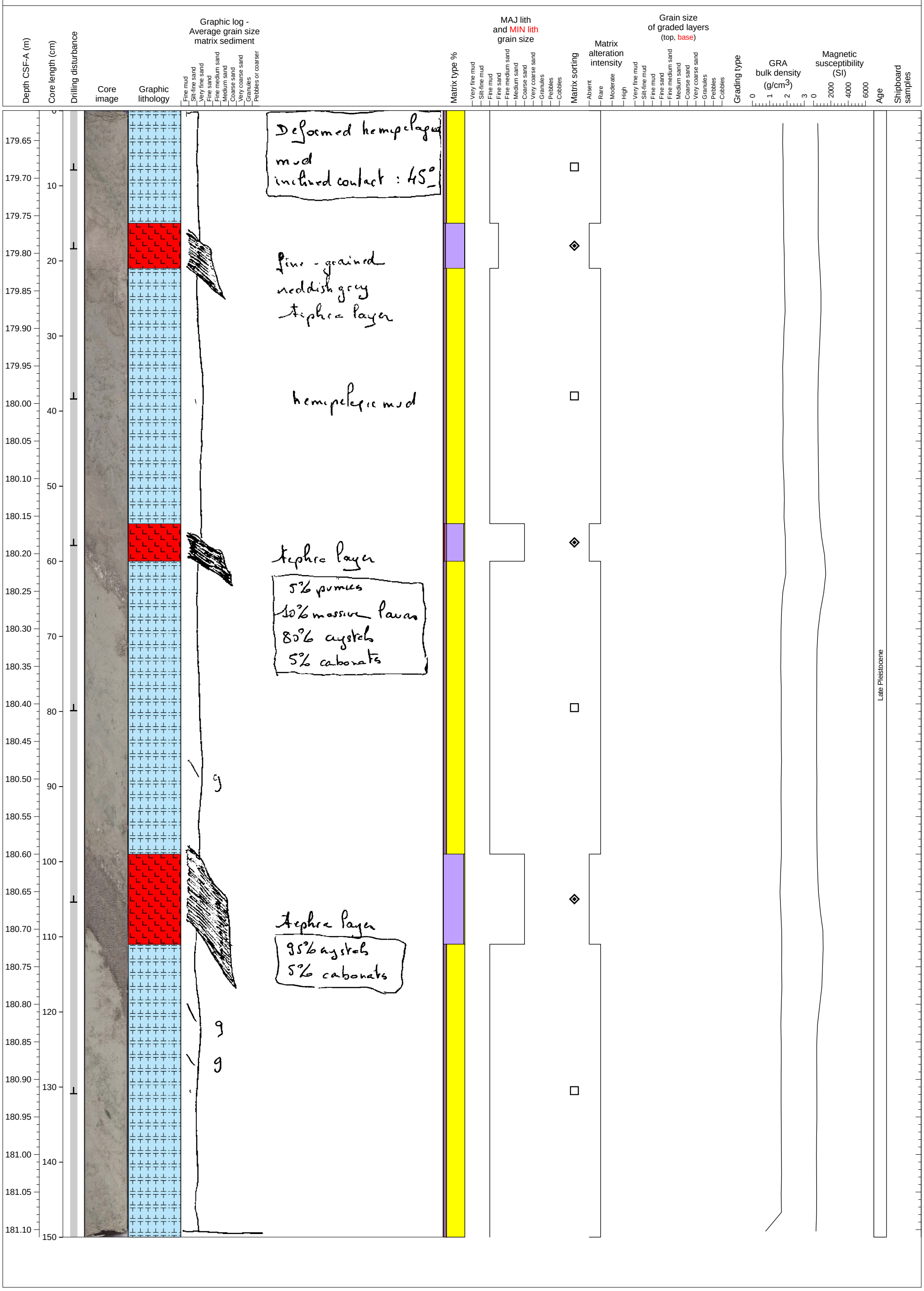
Mottled grey - green - brown hemipelagic mud

Late Pleistocene

PMG

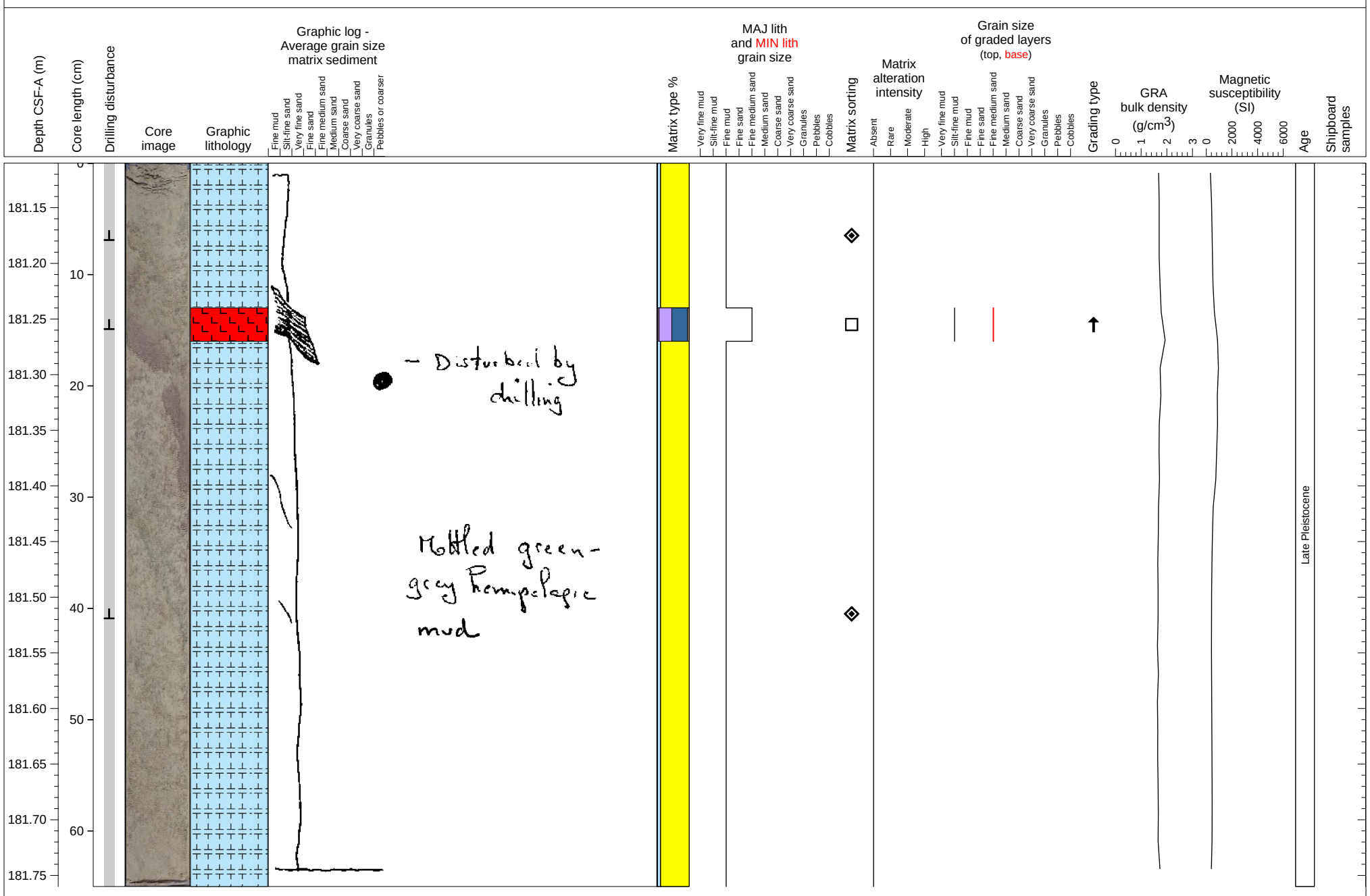
Hole 340-U1400C-21H Section 6, Top of Section: 179.61 CSF-A (m)

Hemipelagic sediments with multiple ash layers.



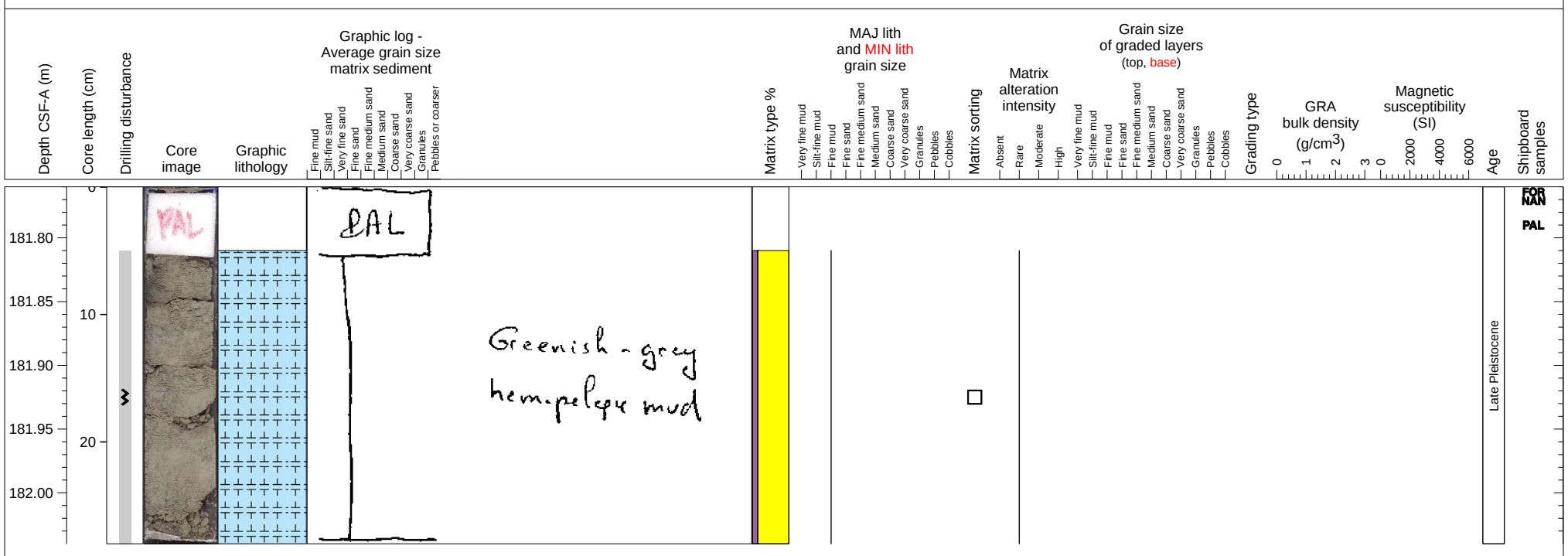
Hole 340-U1400C-21H Section 7, Top of Section: 181.11 CSF-A (m)

Hemipelagic mud an ashfall layer.



Hole 340-U1400C-21H Section CC, Top of Section: 181.76 CSF-A (m)

Hemipelagic sediment



Hole 340-U1400C-22H Section 1, Top of Section: 181.6 CSF-A (m)

Hemipelagic sediments with multiple ash layers.

Depth CSF-A (m)

Core length (cm)

Drilling disturbance

Core image

Graphic lithology

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

Matrix type %

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

Matrix sorting

Matrix alteration intensity
Absent
Rare
Moderate
High

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

Grading type

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

Magnetic susceptibility (SI)
0
2000
4000
6000

Age

Shipboard samples

181.60
181.65
181.70
181.75
181.80
181.85
181.90
181.95
182.00
182.05
182.10
182.15
182.20
182.25
182.30
182.35
182.40
182.45
182.50
182.55
182.60
182.65
182.70
182.75
182.80
182.85
182.90
182.95
183.00
183.05

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

highly compacted and deformed grey hemipelagic mud

tephra layers inclined at 50°

- fractured by coring -

tephra layer

tephra layer rich in pumices

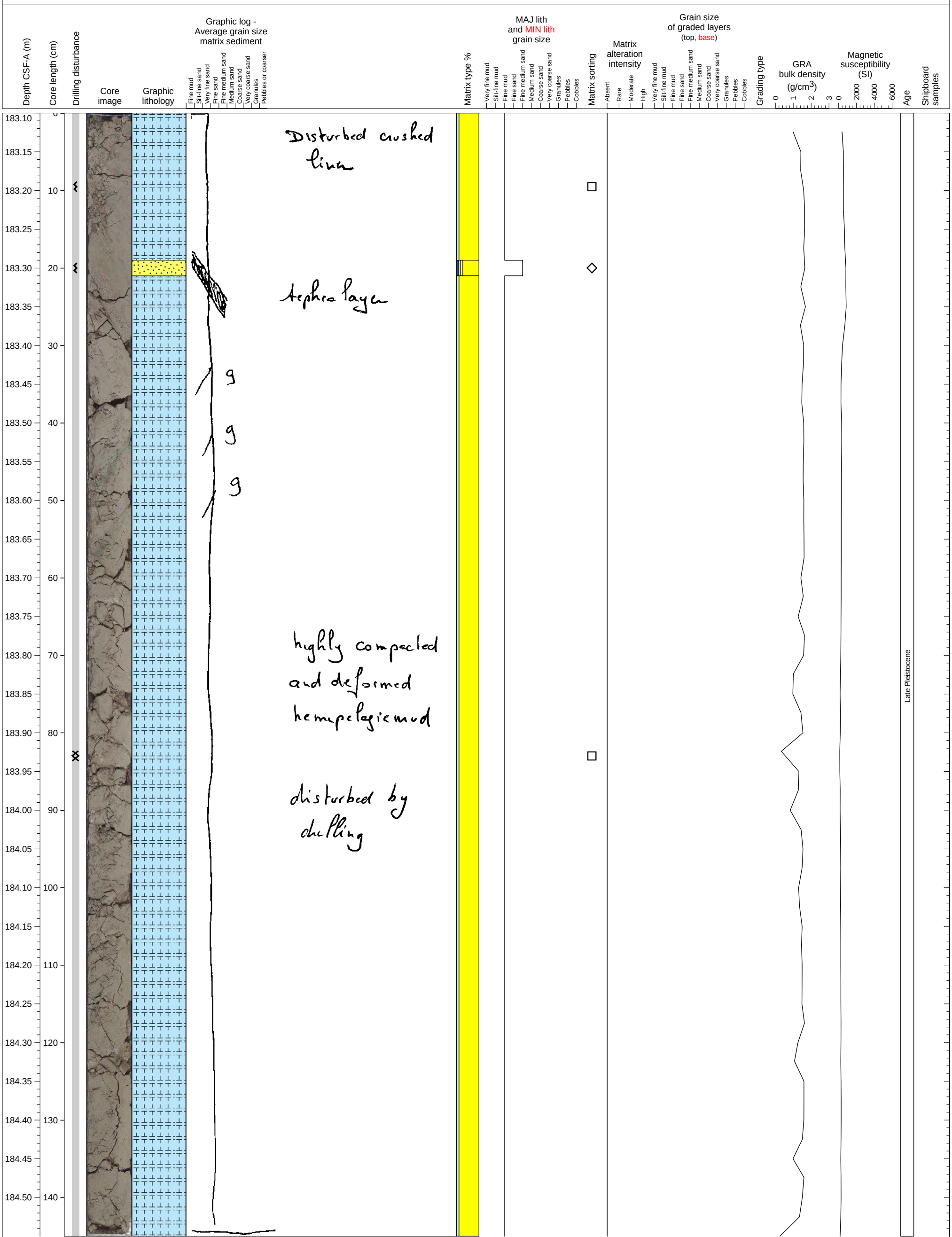
30% pumices
10% massive lavas
60% crystals

Disturbed Crushed liner

Late Pleistocene

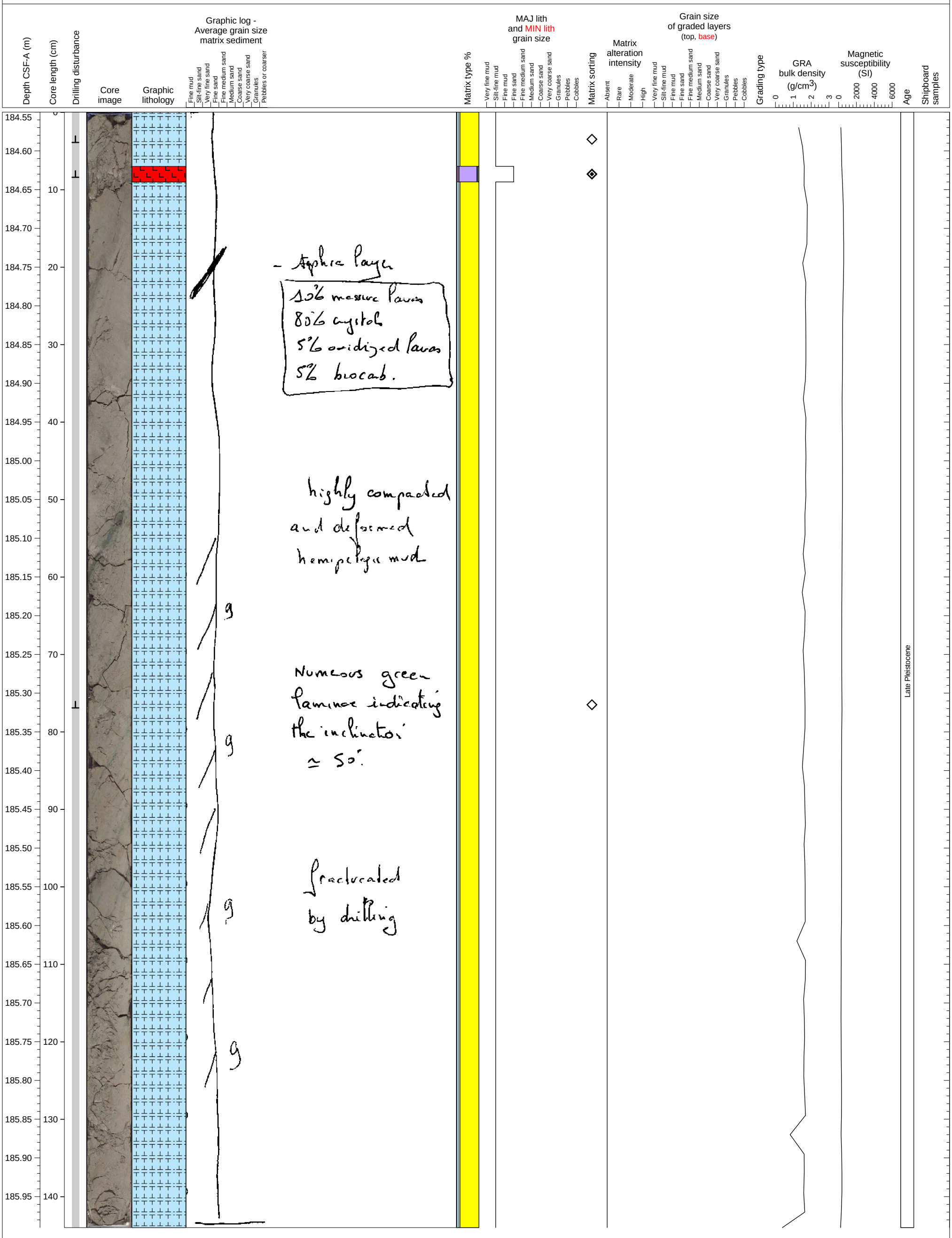
Hole 340-U1400C-22H Section 2, Top of Section: 183.1 CSF-A (m)

Bioturbated hemipelagic mud



Hole 340-U1400C-22H Section 3, Top of Section: 184.55 CSF-A (m)

Compacted hemipelagic sediment with volcanic ash layer



Hole 340-U1400C-22H Section 4, Top of Section: 185.99 CSF-A (m)

Bioturbated 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)
Magnetic susceptibility (SI)
Age
Shipboard samples

186.00 – 0
186.05 – 10
186.10 – 10
186.15 – 20
186.20 – 20
186.25 – 30
186.30 – 30
186.35 – 40
186.40 – 40
186.45 – 50
186.50 – 50
186.55 – 60
186.60 – 60
186.65 – 70
186.70 – 70
186.75 – 80
186.80 – 80
186.85 – 90
186.90 – 90
186.95 – 100
187.00 – 100
187.05 – 110
187.10 – 110
187.15 – 120
187.20 – 120
187.25 – 130
187.30 – 130
187.35 – 140
187.40 – 140

highly compacted and deformed hemipelagic mud

fractured by drilling

contacts at 60°

tephra layer

30% vesc. lavas,
10% mass. lavas
37% crystals
3% pyrite
20% carbonate

bioturbation

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

Late Pleistocene

CRB XRD

Hole 340-U1400C-22H Section 5, Top of Section: 187.44 CSF-A (m)

Compacted hemipelagic sediment with intercalated volcanic ash layer

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

Highly compacted and deformed hemipelagic mud

– abundant bioturbations

abundant laminations in the sediment inclined at 45°

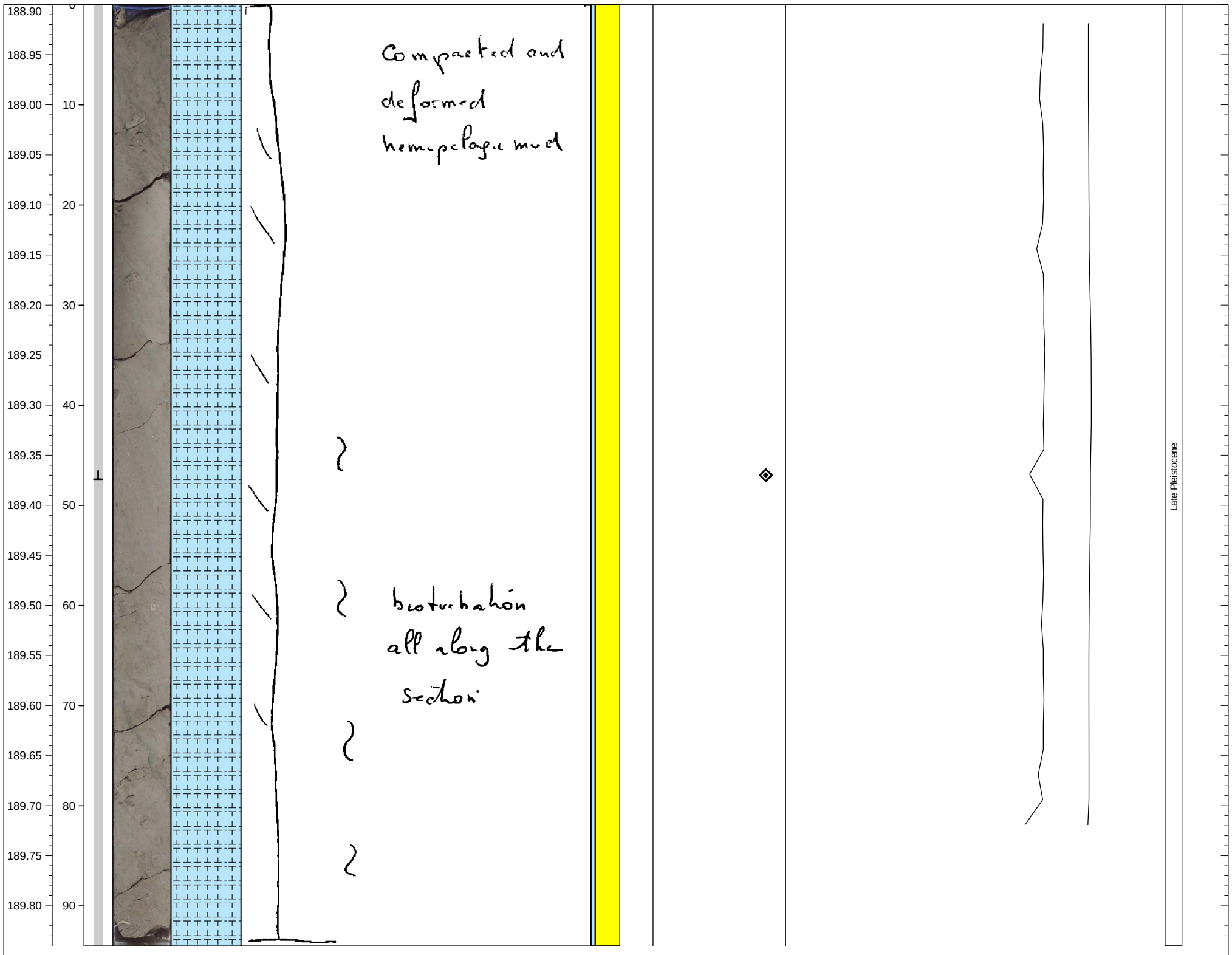
MADC

PMG

Late Pleistocene

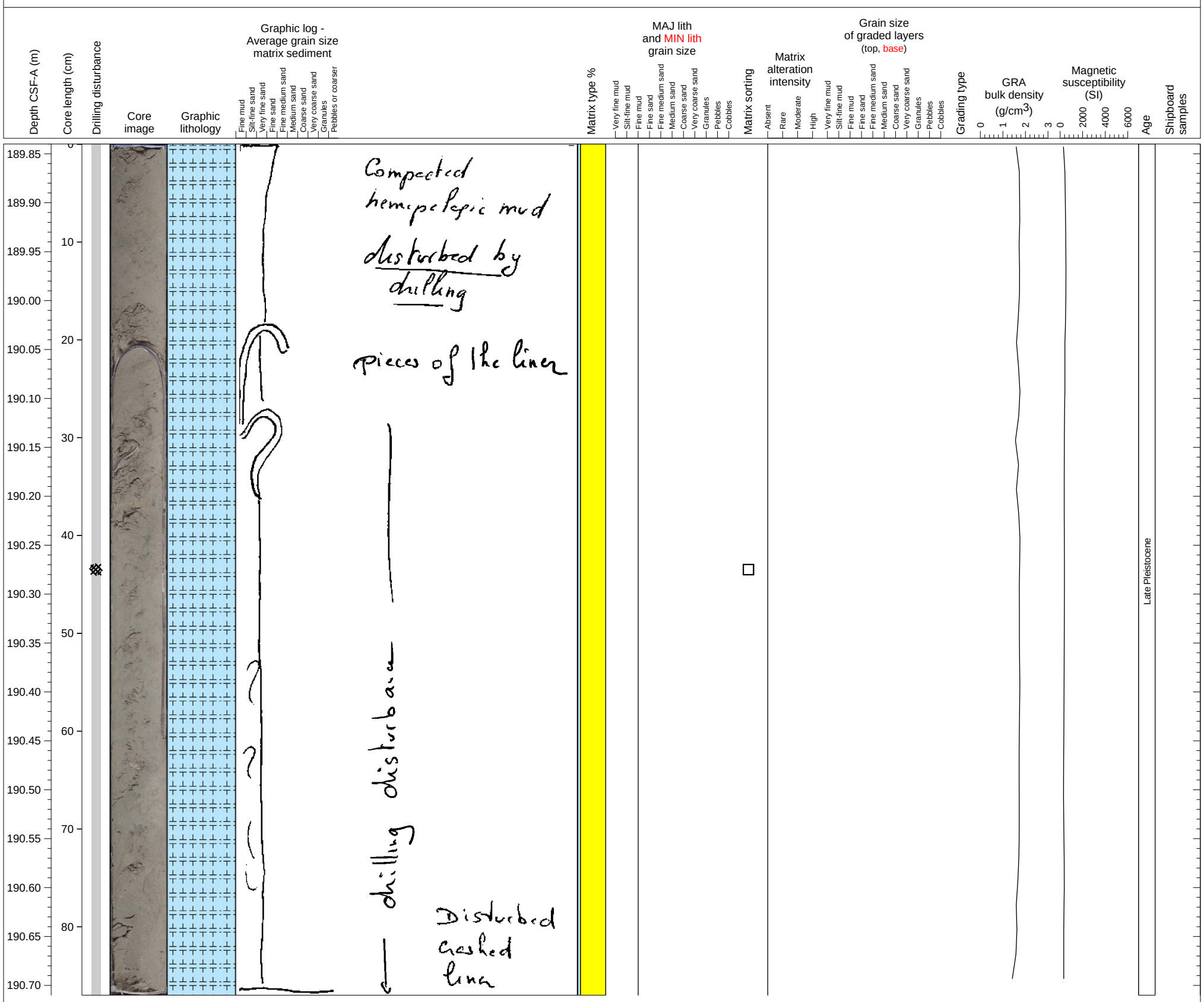
Hole 340-U1400C-22H Section 6, Top of Section: 188.9 CSF-A (m)

Compacted hemipelagic sediment



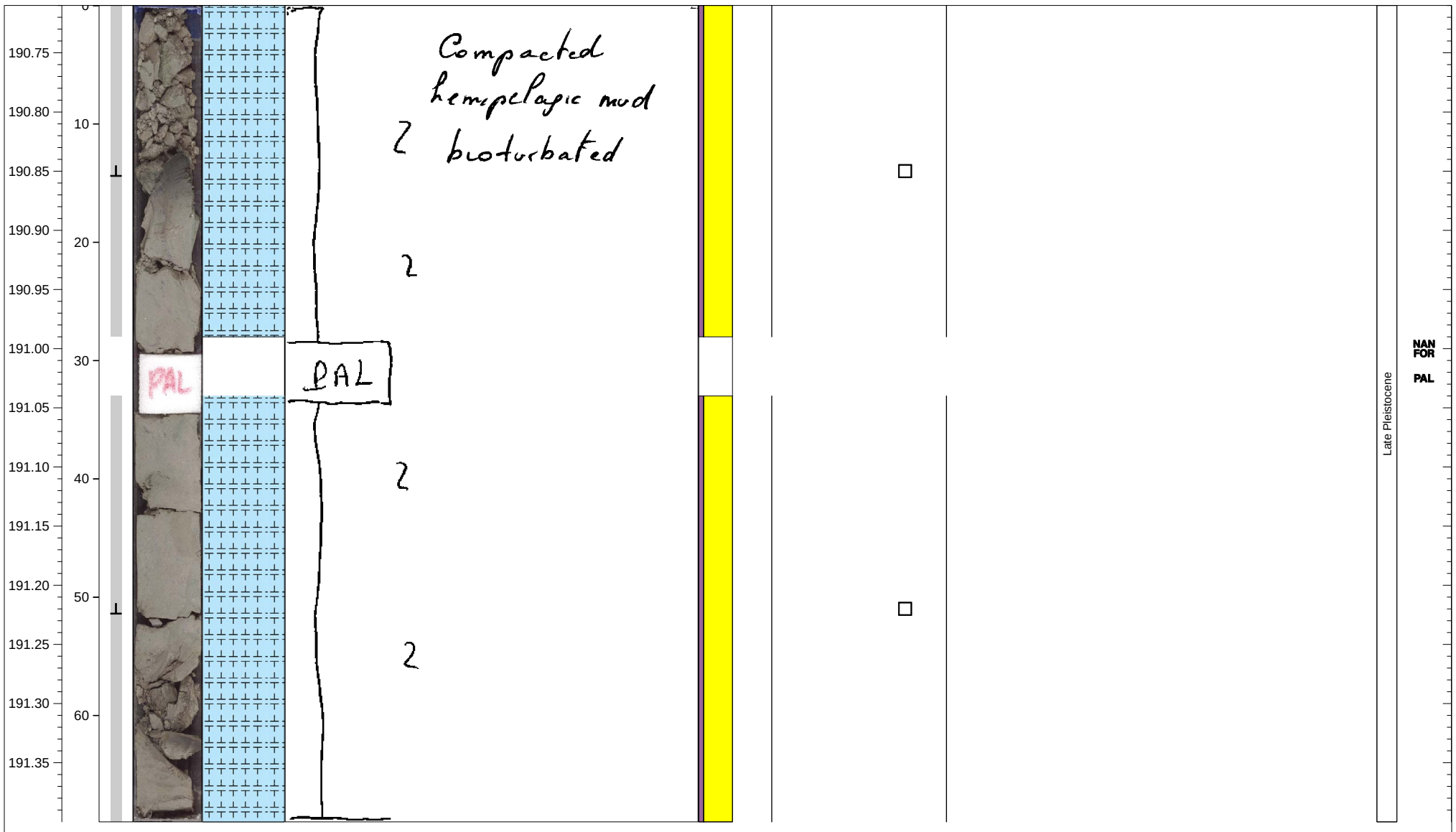
Hole 340-U1400C-22H Section 7, Top of Section: 189.84 CSF-A (m)

Bioturbated hemipelagic mud, disturbed by crushed core liner.



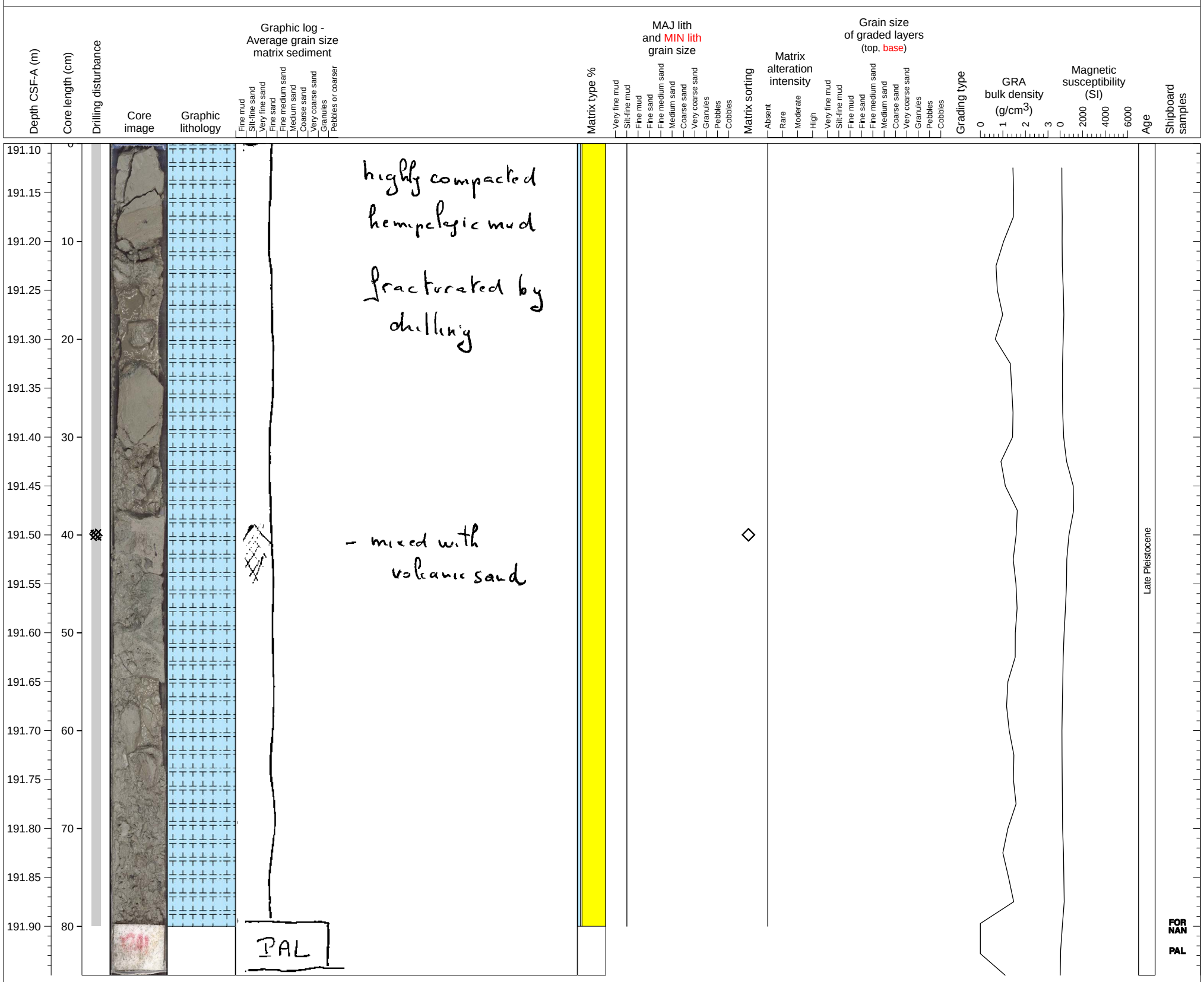
Hole 340-U1400C-22H Section CC, Top of Section: 190.71 CSF-A (m)

Well lithified hemipelagic clay



Hole 340-U1400C-23X Section 1, Top of Section: 191.1 CSF-A (m)

Compacted hemipelagic sediment



Hole 340-U1400C-24X Section 1, Top of Section: 196.5 CSF-A (m)

Well lithified hemipelagic clay

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

196.50 – 0
196.55
196.60 – 10
196.65
196.70 – 20
196.75
196.80 – 30
196.85
196.90 – 40
196.95
197.00 – 50
197.05
197.10 – 60
197.15
197.20 – 70
197.25
197.30 – 80
197.35
197.40 – 90
197.45
197.50 – 100
197.55
197.60 – 110
197.65
197.70 – 120
197.75
197.80 – 130
197.85
197.90 – 140
197.95
150

Compacted hemipelagic mud
fracturated by drilling

volcanic sand mixed with mud
10% pumices
10% mass. lavas
20% ves. lavas
10% oxidized lavas
50% crystals

Compacted hemipelagic mud

highly fractured by drilling

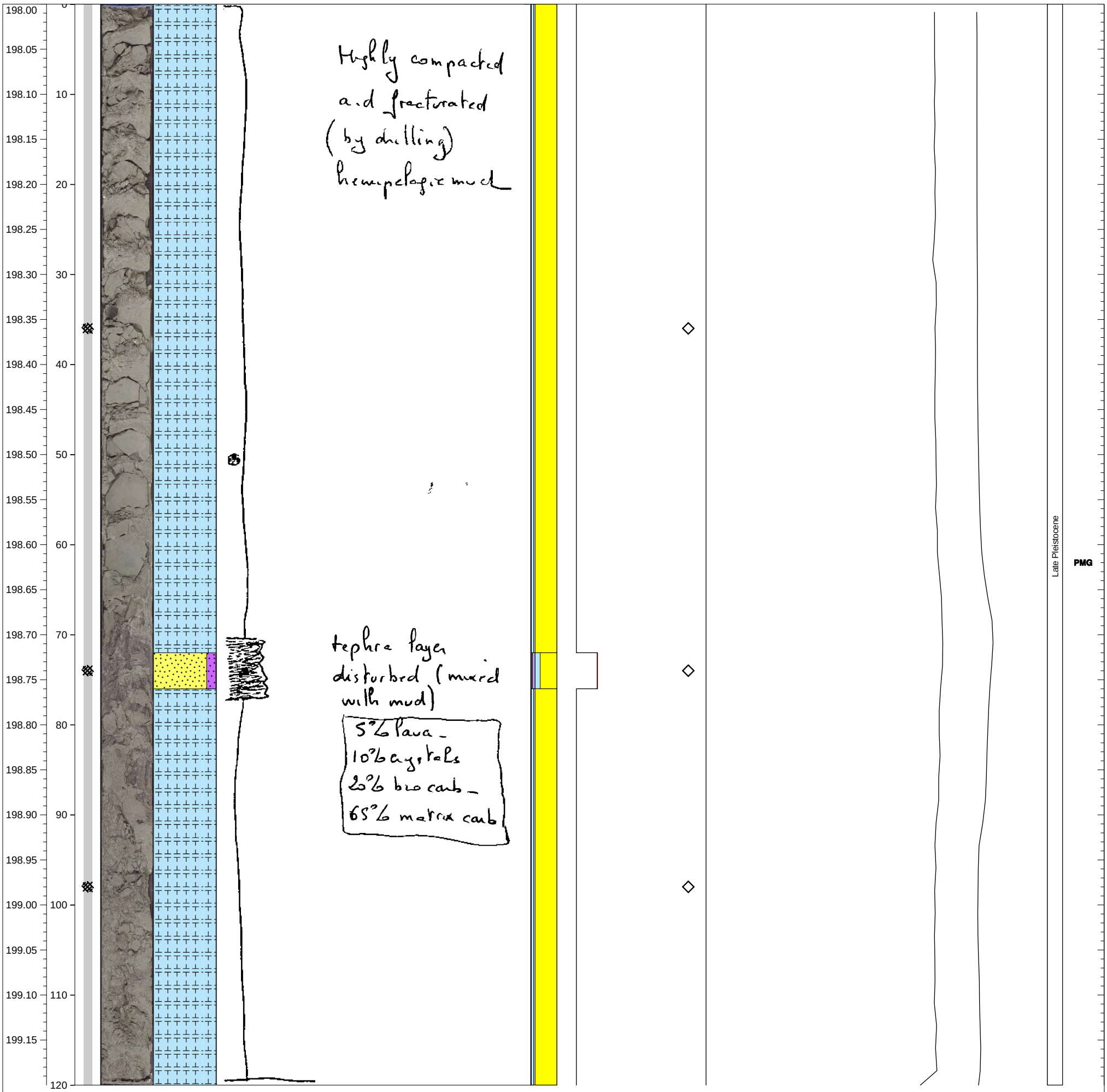
GRA bulk density (g/cm^3): 0 1 2 3
Magnetic susceptibility (SI): 0 2000 4000 6000

Late Pleistocene

MADC

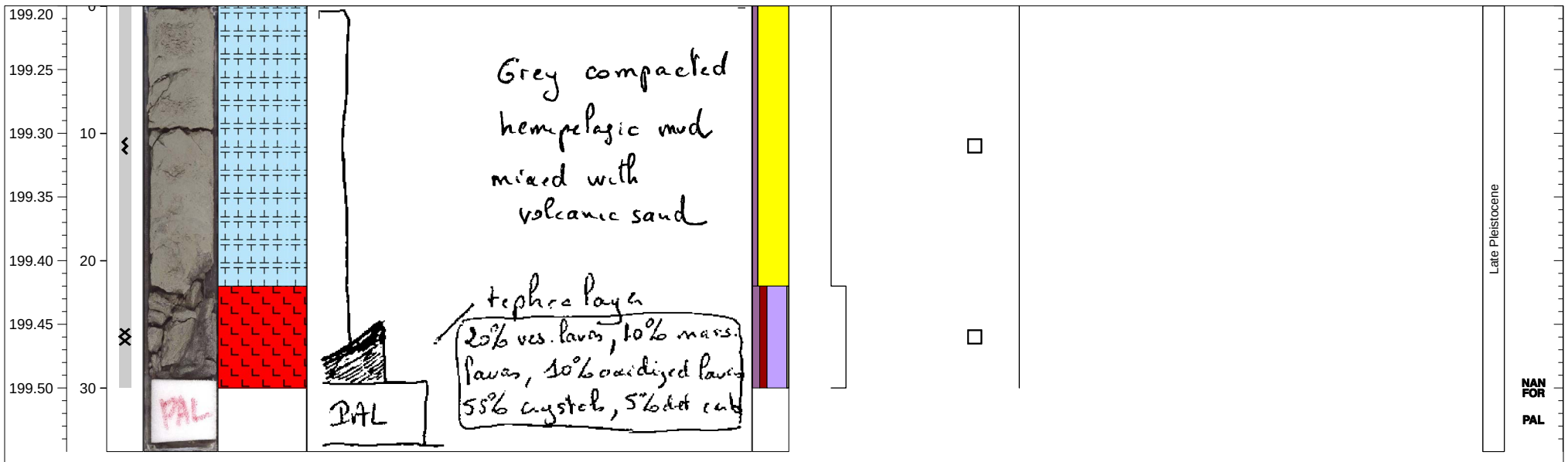
Hole 340-U1400C-24X Section 2, Top of Section: 198.0 CSF-A (m)

Compacted hemipelagic sediment with mixed sand layer of bioclastic and volcaniclastic materials



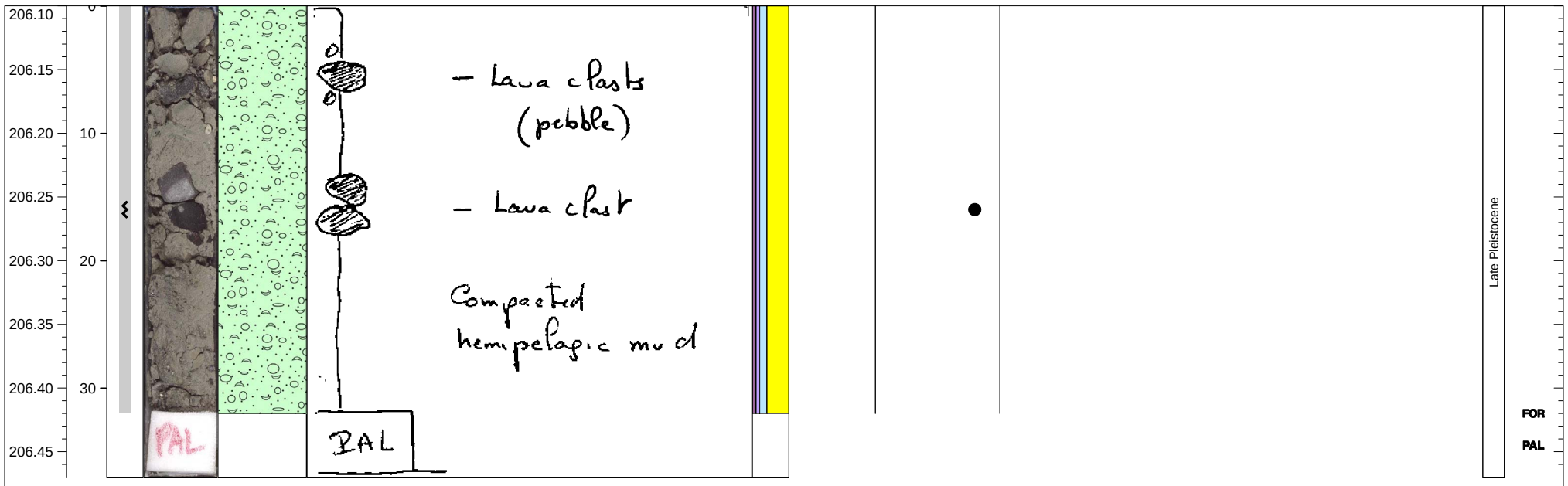
Hole 340-U1400C-24X Section CC, Top of Section: 199.2 CSF-A (m)

Well lithified hemipelagic clay and a thin ash layer.



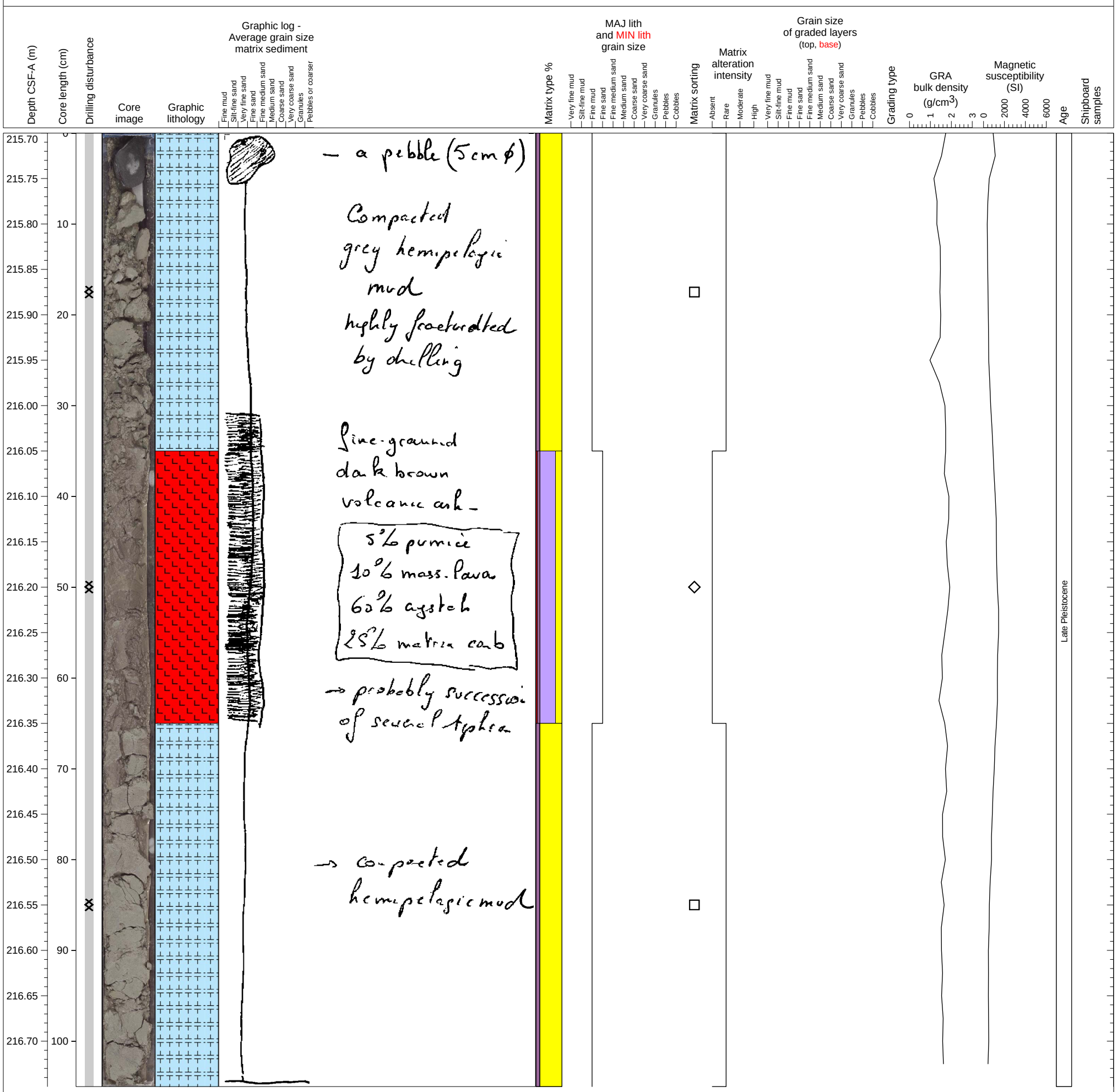
Hole 340-U1400C-25X Section CC, Top of Section: 206.1 CSF-A (m)

Mixture of hemipelagic sediment and volcaniclastic sand in core catcher



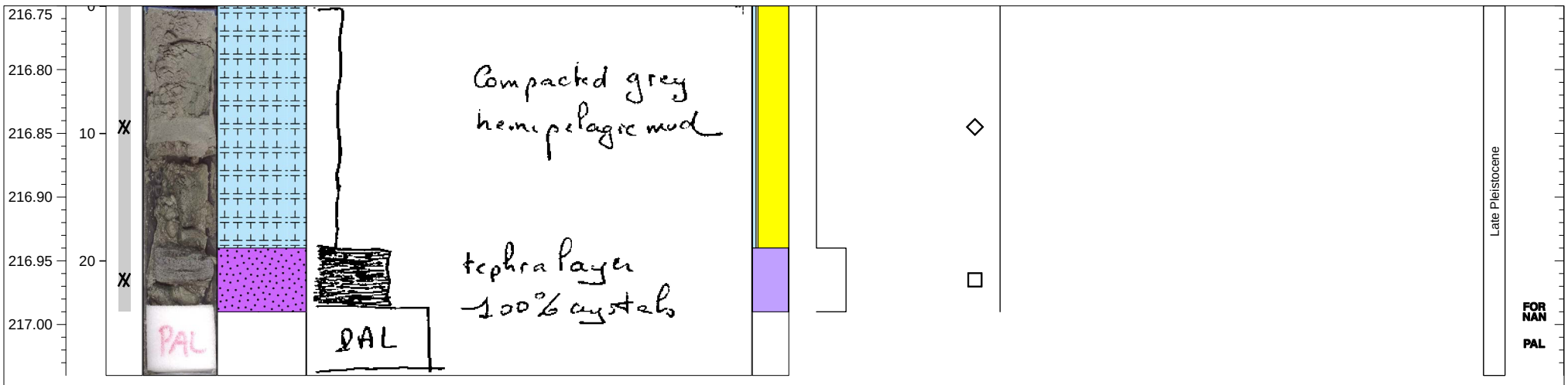
Hole 340-U1400C-26X Section 1, Top of Section: 215.7 CSF-A (m)

Well lithified hemipelagic clay, with a single ash layer



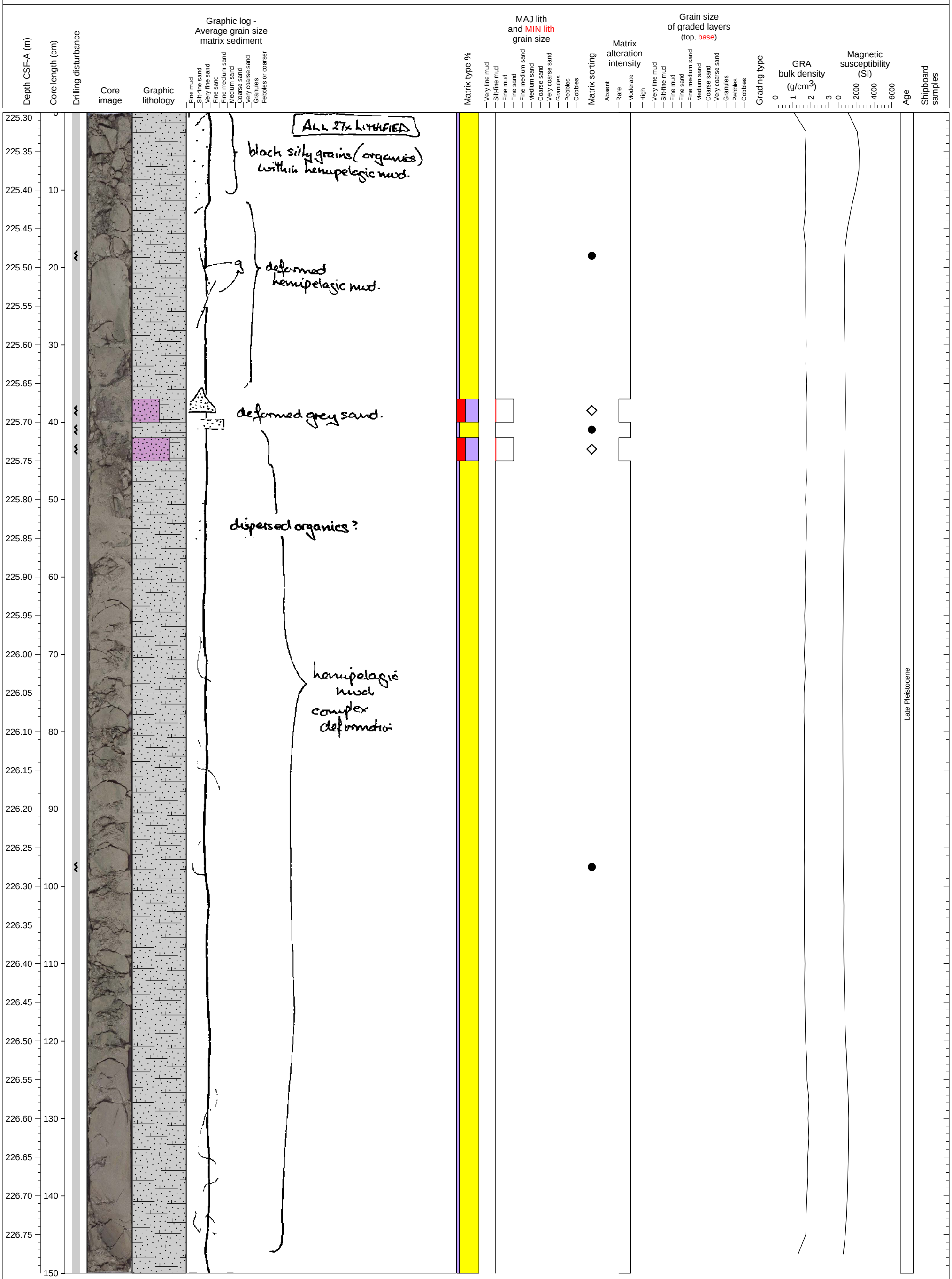
Hole 340-U1400C-26X Section CC, Top of Section: 216.75 CSF-A (m)

Hemipelagic mud and volcaniclastic sand in CC



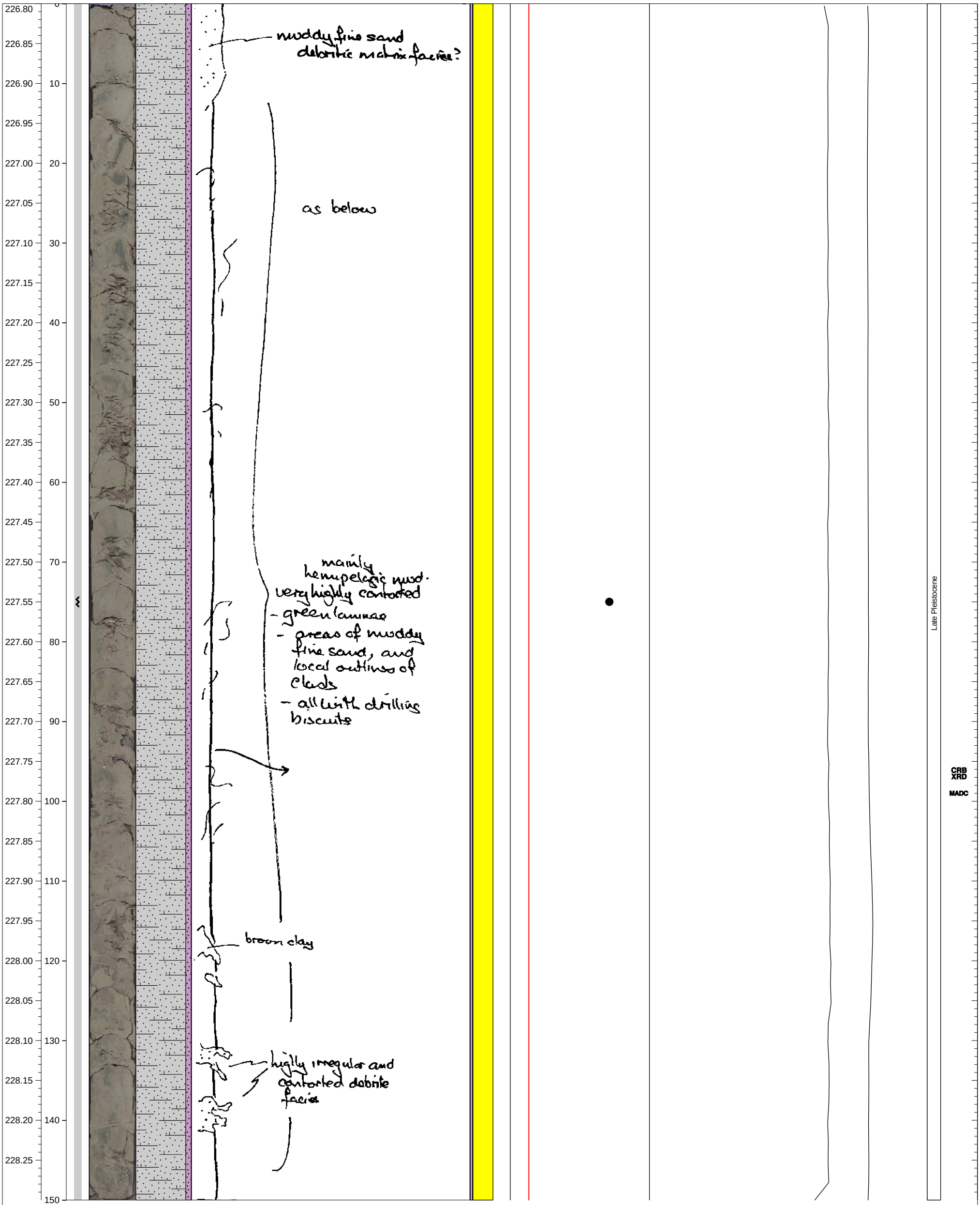
Hole 340-U1400C-27X Section 1, Top of Section: 225.3 CSF-A (m)

Heavily bioturbated lithfied hemipelagic clay containing a small amount of volcanic materials.



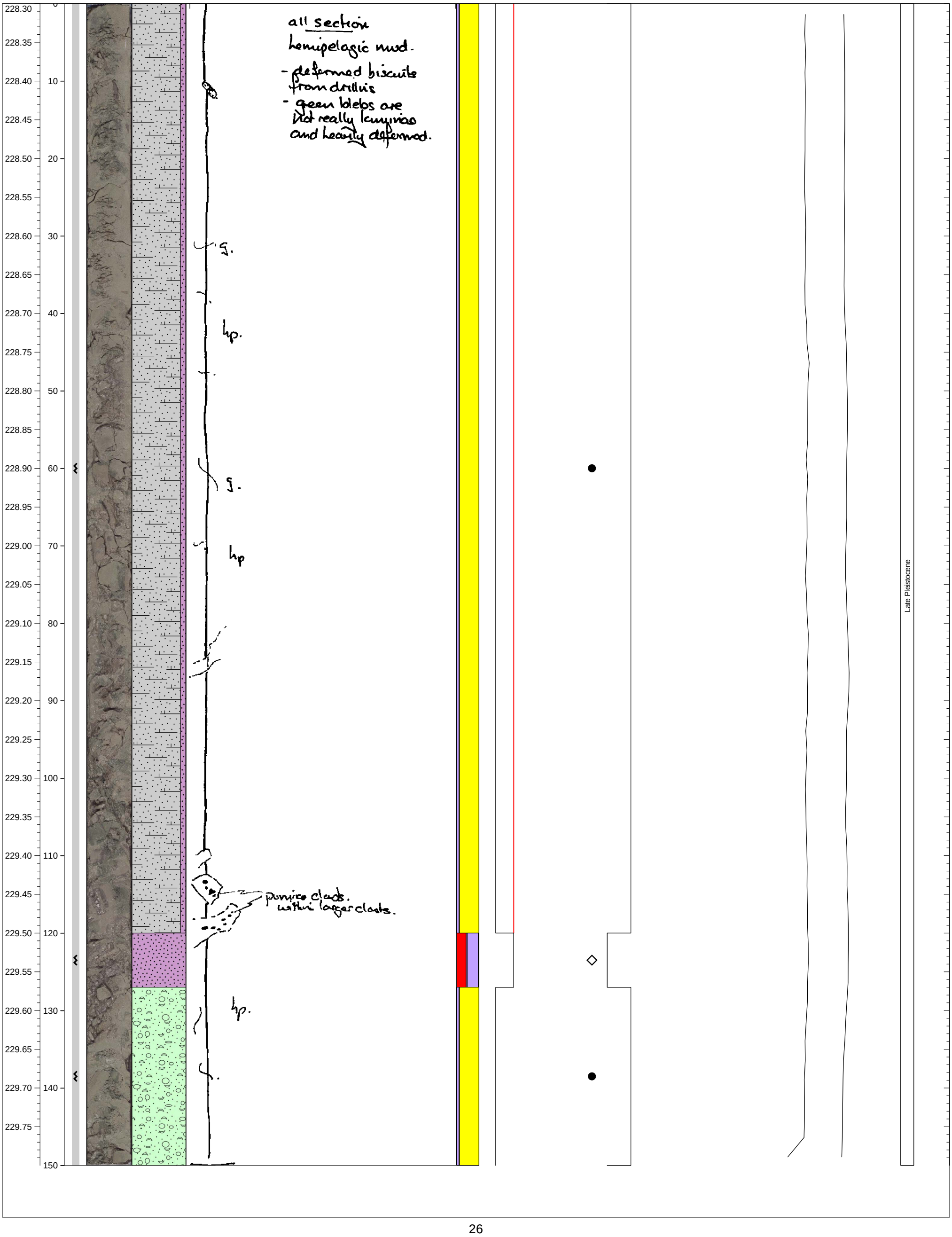
Hole 340-U1400C-27X Section 2, Top of Section: 226.8 CSF-A (m)

Heavily bioturbated lithfied hemipelagic clay containing a small amount of volcanic materials.



Hole 340-U1400C-27X Section 3, Top of Section: 228.3 CSF-A (m)

Heavily bioturbated lithified hemipelagic clay containing volcaniclastic materials and interlayered with volcaniclastic sand.



Hole 340-U1400C-27X Section 4, Top of Section: 229.8 CSF-A (m)

Mudstone interlayered with calcareous sand.

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

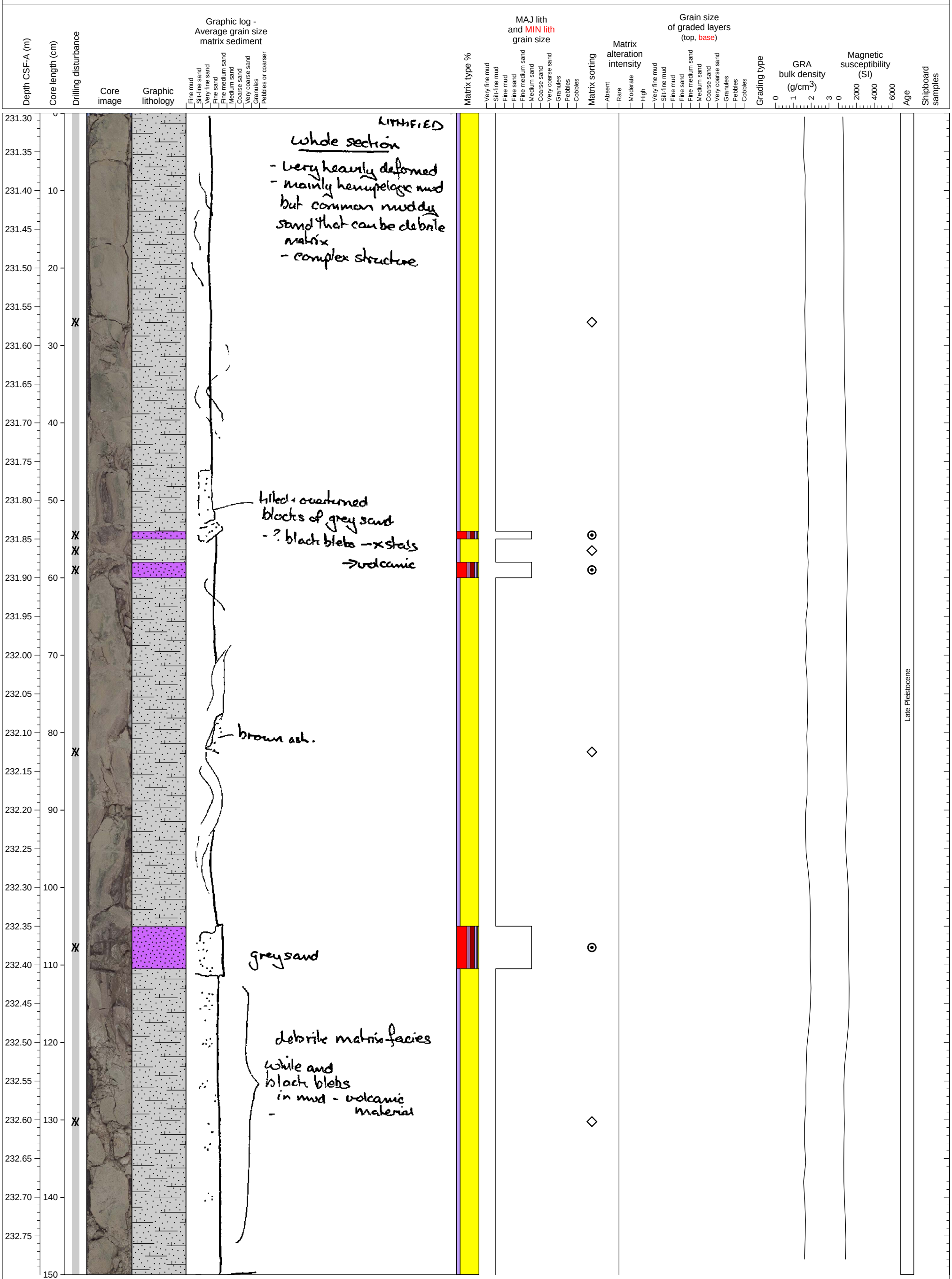
229.80 / 0
229.85
229.90 / 10
229.95
230.00 / 20
230.05
230.10 / 30
230.15
230.20 / 40
230.25
230.30 / 50
230.35
230.40 / 60
230.45
230.50 / 70
230.55
230.60 / 80
230.65
230.70 / 90
230.75
230.80 / 100
230.85
230.90 / 110
230.95
231.00 / 120
231.05
231.10 / 130
231.15
231.20 / 140
231.25
150

deformed hemipelagic mud.
g.
deformed, 50° inclined purple/pink clay
brown-purple sand. - ash?
deformed hemipelagic mud.
g.
xshals ~~oligonites~~ in mudstone.
muddy sand matrix between clasts.
pumice gran
base

HS
PMG
Late Pleistocene
IW

Hole 340-U1400C-27X Section 5, Top of Section: 231.3 CSF-A (m)

Mudstone interlayered with volcaniclastic sand units.

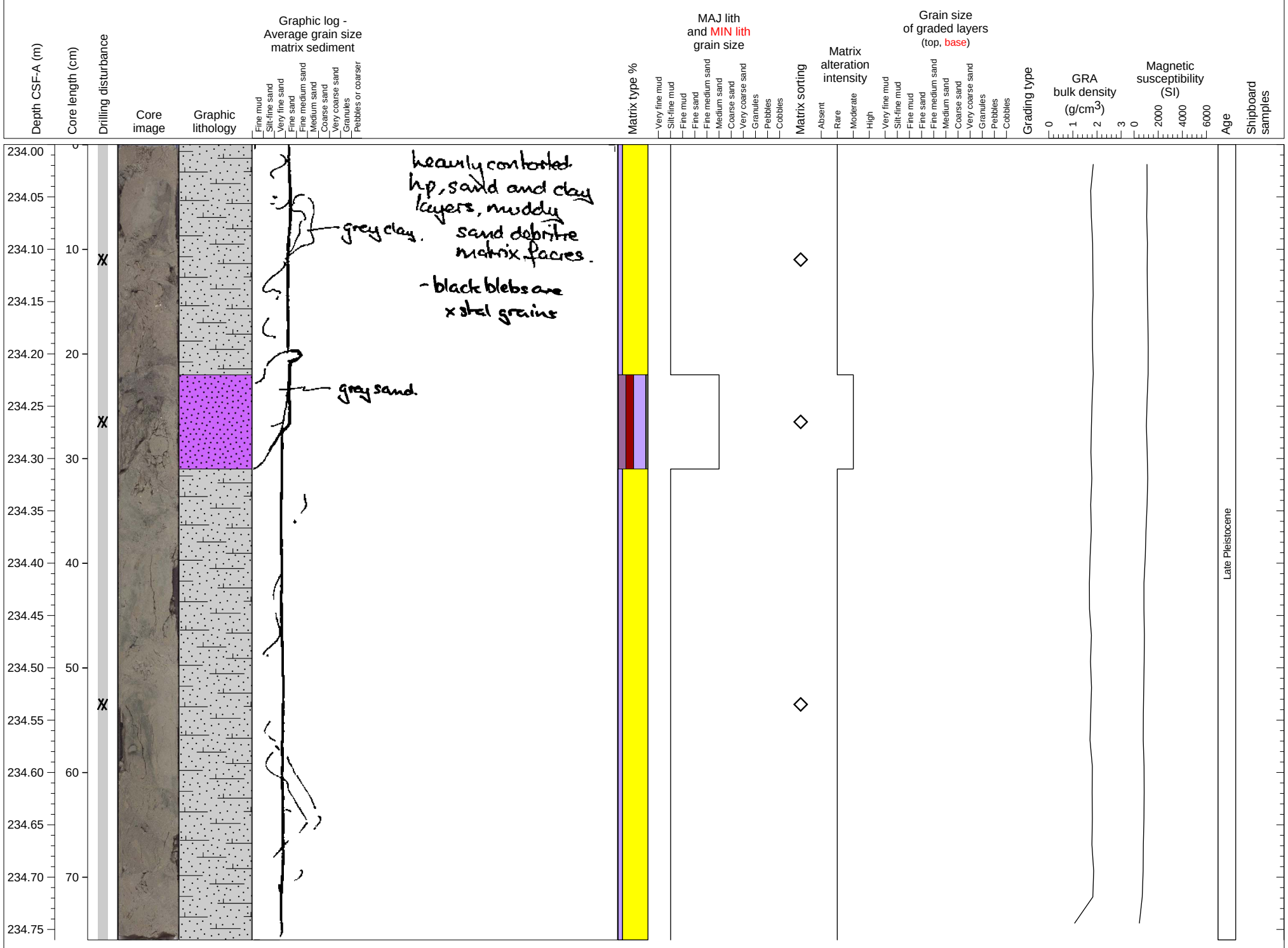


Hole 340-U1400C-27X Section 6, Top of Section: 232.8 CSF-A (m)

Hemipelagic clay, some mixed with volcaniclastic sand, interlayered with a single volcaniclastic sand unit.

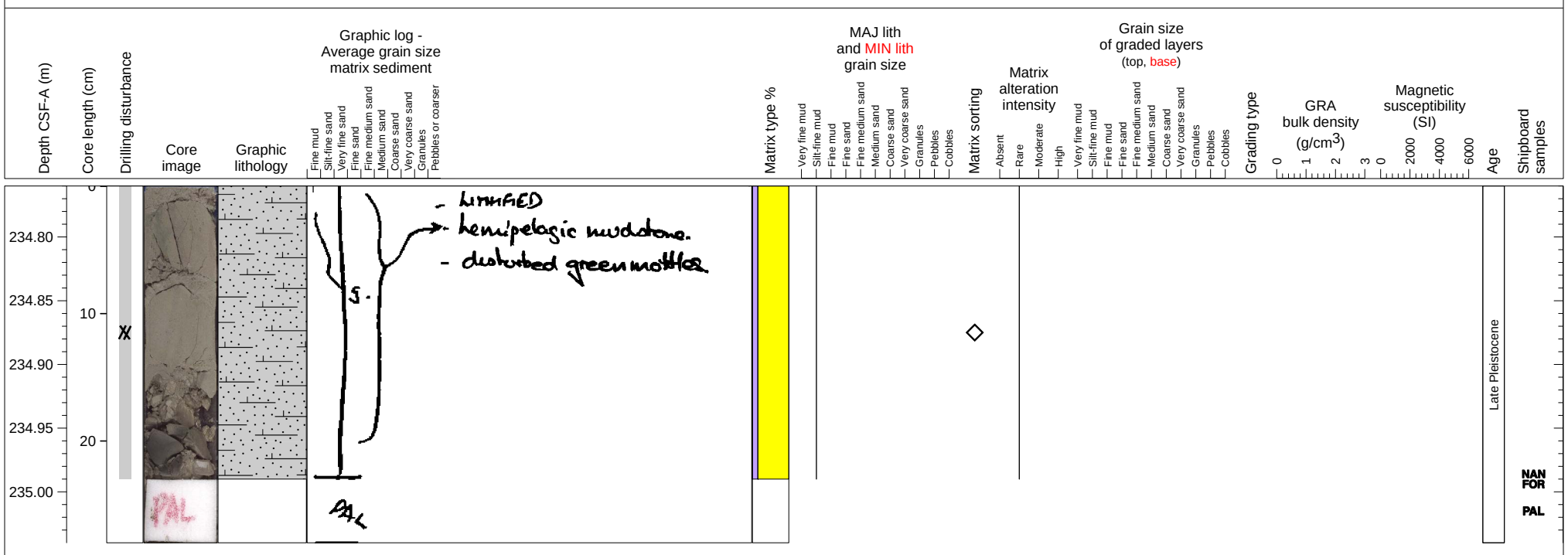
Hole 340-U1400C-27X Section 7, Top of Section: 234.0 CSF-A (m)

Mudstone interlayered with volcaniclastic sand unit.



Hole 340-U1400C-27X Section CC, Top of Section: 234.76 CSF-A (m)

Mudstone, partially lithified hemipelagic clay. PAL sample from section base.



Hole 340-U1400C-28X Section 1, Top of Section: 234.9 CSF-A (m)

Heavily bioturbated lithified hemipelagic clay containing volcaniclastic materials.

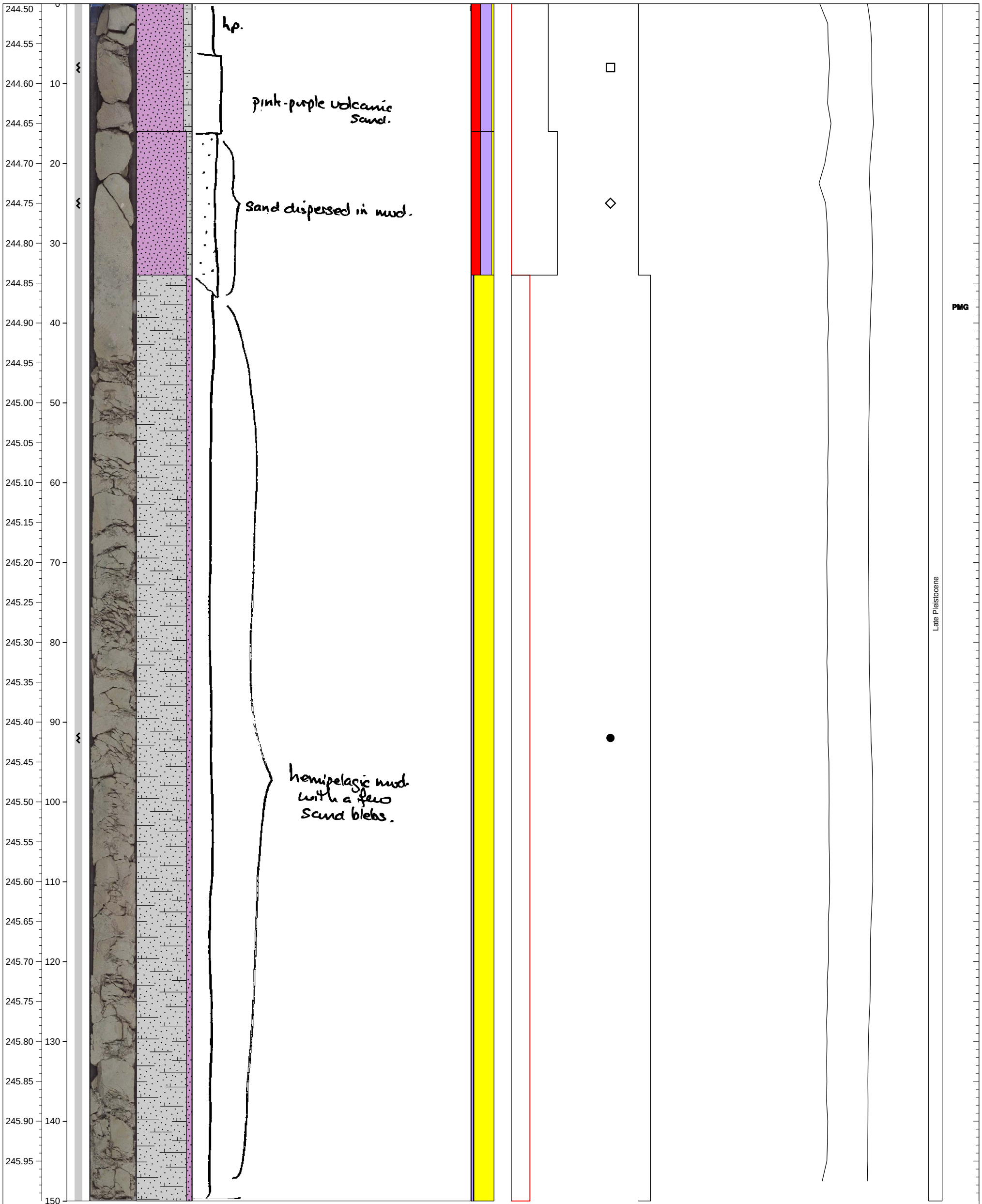
Depth CSF-A (m)
Core length (cm)
Drilling disturbance
Core image
Graphic lithology
Graphic log - Average grain size matrix sediment
Fine mud
Silt-fine sand
Very fine sand
Fine sand
Fine medium sand
Medium sand
Coarse sand
Very coarse sand
Granules
Pebbles or coarser
Matrix type %
MAJ lith and MIN lith 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
234.90
234.95
235.00
235.05
235.10
235.15
235.20
235.25
235.30
235.35
235.40
235.45
235.50
235.55
235.60
235.65
235.70
235.75
235.80
235.85
235.90
235.95
236.00
236.05
236.10
236.15
236.20
236.25
0
10
20
30
40
50
60
70
80
90
100
110
120
130
hp
muddy sand - black volcanic grains widely disseminated - debrite matrix facies.
- also contains white (volcanic?) grains
- and elongate black grains - rarer could be organics
confirmed by microscope
?hemipelagic mud clast in debrite matrix facies muddy sand.
HS
XRD
CRB
MADC
Late Pleistocene

Hole 340-U1400C-28X Section CC, Top of Section: 236.26 CSF-A (m)

Mudstone. PAL sample from section base.

Hole 340-U1400C-29X Section 1, Top of Section: 244.5 CSF-A (m)

Heavily bioturbated lithified hemipelagic clay containing volcaniclastic materials



Hole 340-U1400C-29X Section 2, Top of Section: 246.0 CSF-A (m)

Heavily bioturbated lithified hemipelagic clay containing volacniclastic 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

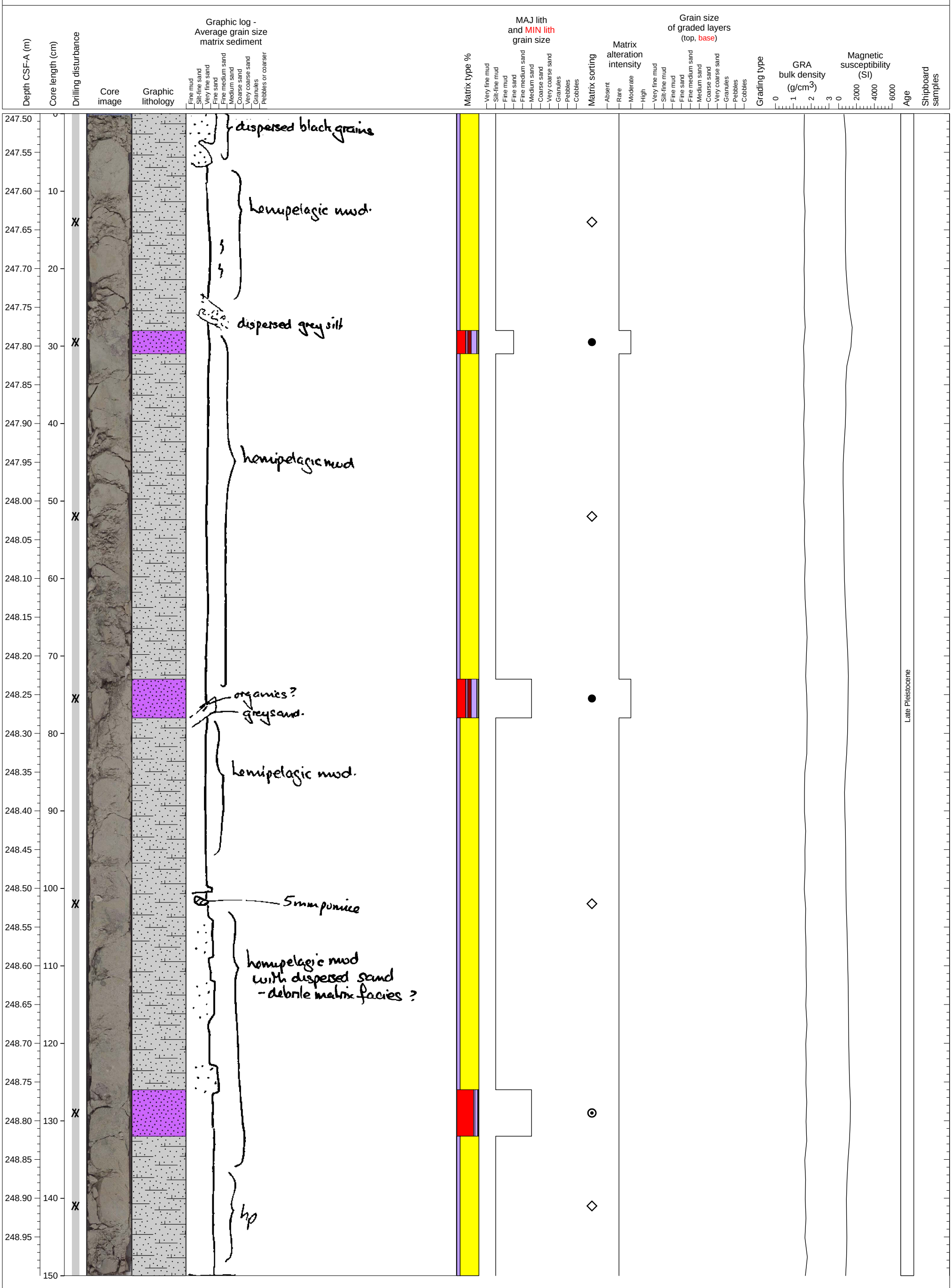
246.00 – 0
246.05
246.10 – 10
246.15
246.20 – 20
246.25
246.30 – 30
246.35
246.40 – 40
246.45
246.50 – 50
246.55
246.60 – 60
246.65
246.70 – 70
246.75
246.80 – 80
246.85
246.90 – 90
246.95
247.00 – 100
247.05
247.10 – 110
247.15
247.20 – 120
247.25
247.30 – 130
247.35
247.40 – 140
247.45
150

grey-green hemipelagic mud.
blebs of black sand.
hemipelagic mud
grey clay.
hemipelagic mud.
organic flakes
sand rich
sandy mud (debrite matrix facies) with sand clasts.
SAMPLED
CC
WR

HS
XRD
CRB
MADC
Late Pleistocene
IW

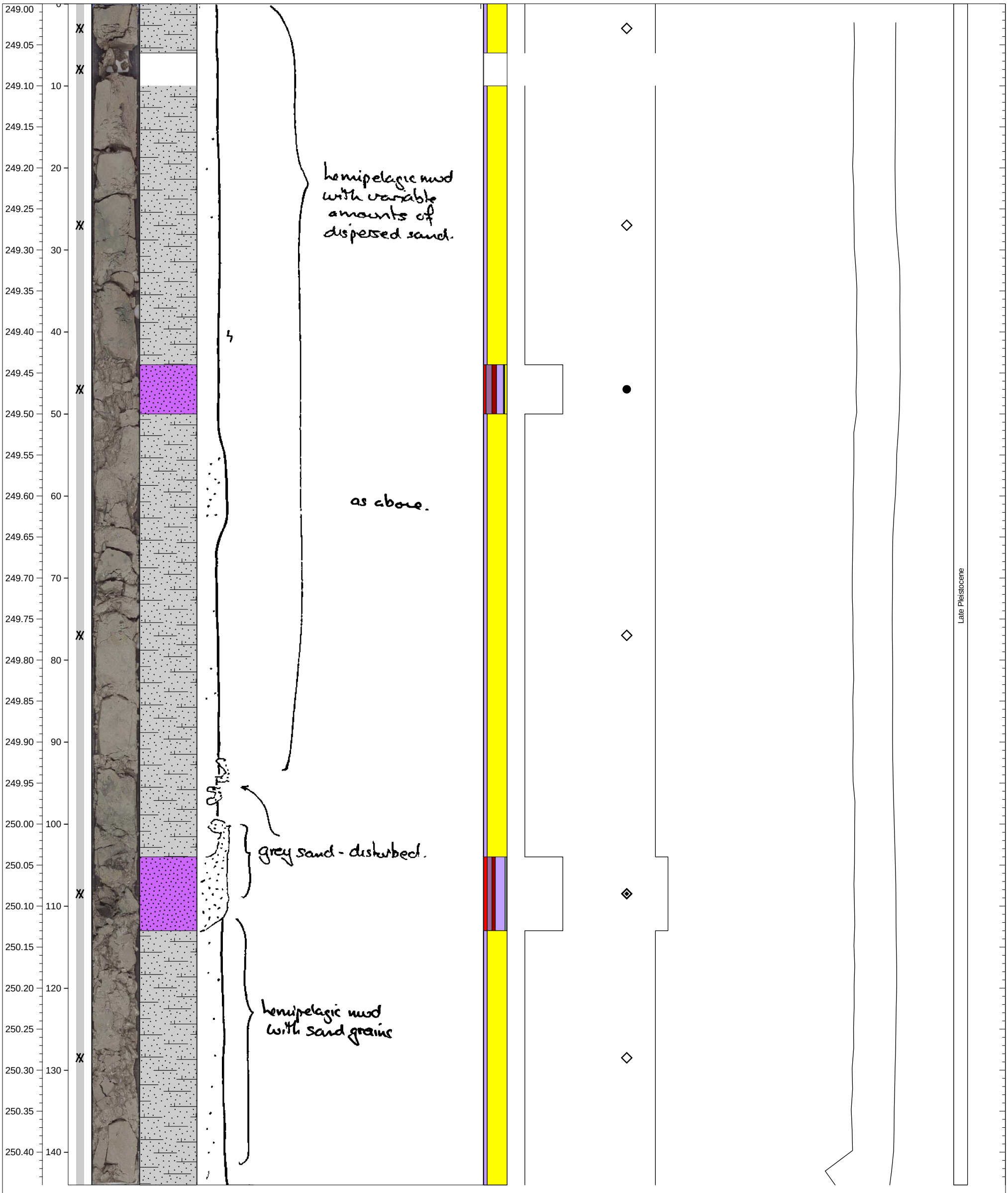
Hole 340-U1400C-29X Section 3, Top of Section: 247.5 CSF-A (m)

Mudstone interlayered with volcaniclastic sand.



Hole 340-U1400C-29X Section 4, Top of Section: 249.0 CSF-A (m)

Mudstone interlayered with volcaniclastic sand.



Hole 340-U1400C-29X Section CC, Top of Section: 250.44 CSF-A (m)

Mudstone. PAL sample from section base.

Hole 340-U1400C-30X Section 1, Top of Section: 254.1 CSF-A (m)

Mudstone interlayered with volcaniclastic sands, some of which are partially lithified. Gravel at top is drilling fall-in.

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

254.10 0
254.15
254.20 10
254.25
254.30 20
254.35
254.40 30
254.45
254.50 40
254.55
254.60 50
254.65
254.70 60
254.75
254.80 70
254.85
254.90 80
254.95
255.00 90
255.05
255.10 100
255.15
255.20 110
255.25
255.30 120
255.35
255.40 130
255.45
255.50 140
255.55
150

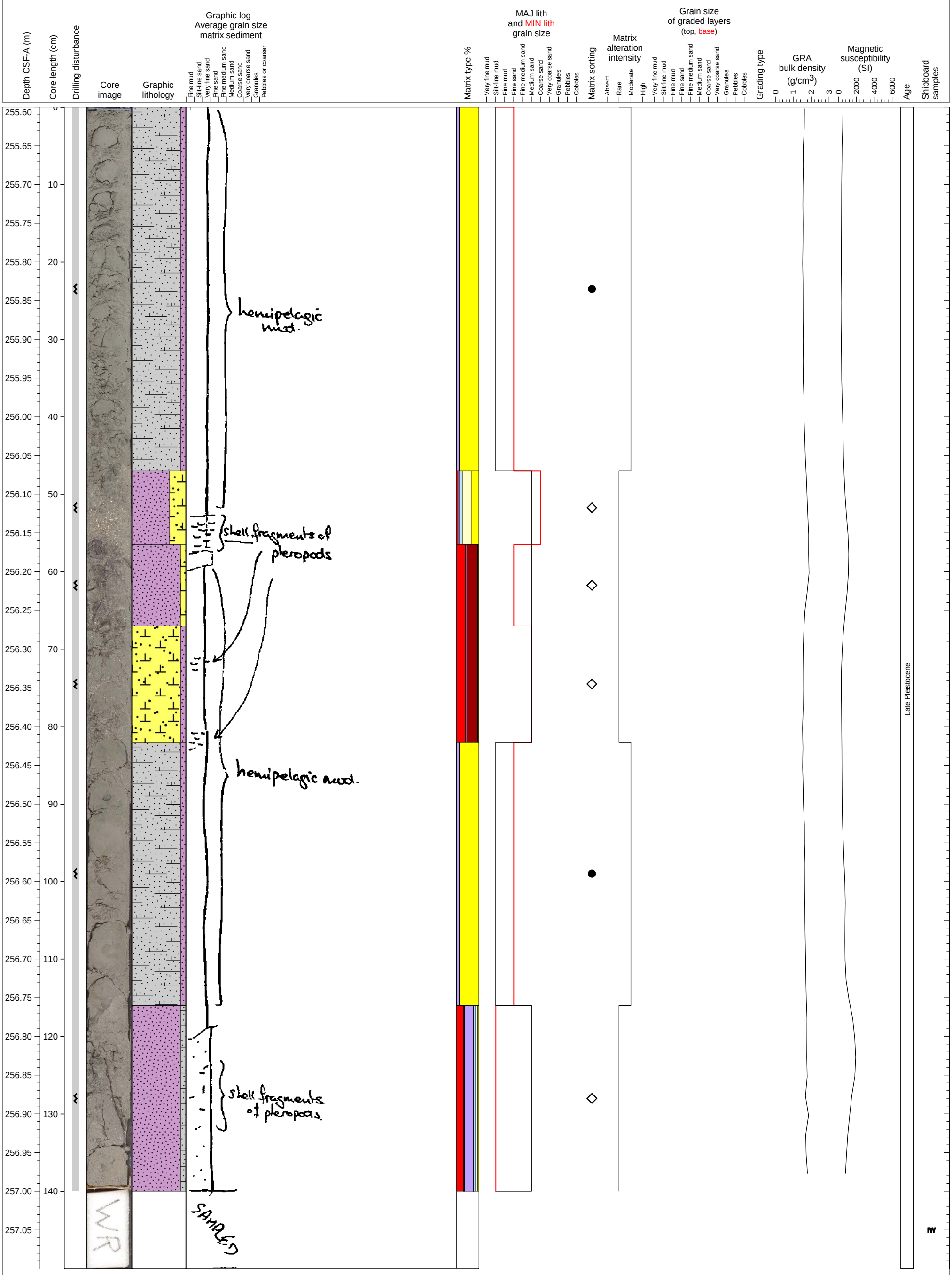
round volcanic pebbles
FALL-IN DURING CORING
hemipelagic mud.
grey sand.
hemipelagic mud.
brown sand.
hemipelagic mud./grey-green
grey massive sand
hp

CRB
XRD
MADC

Late Pleistocene

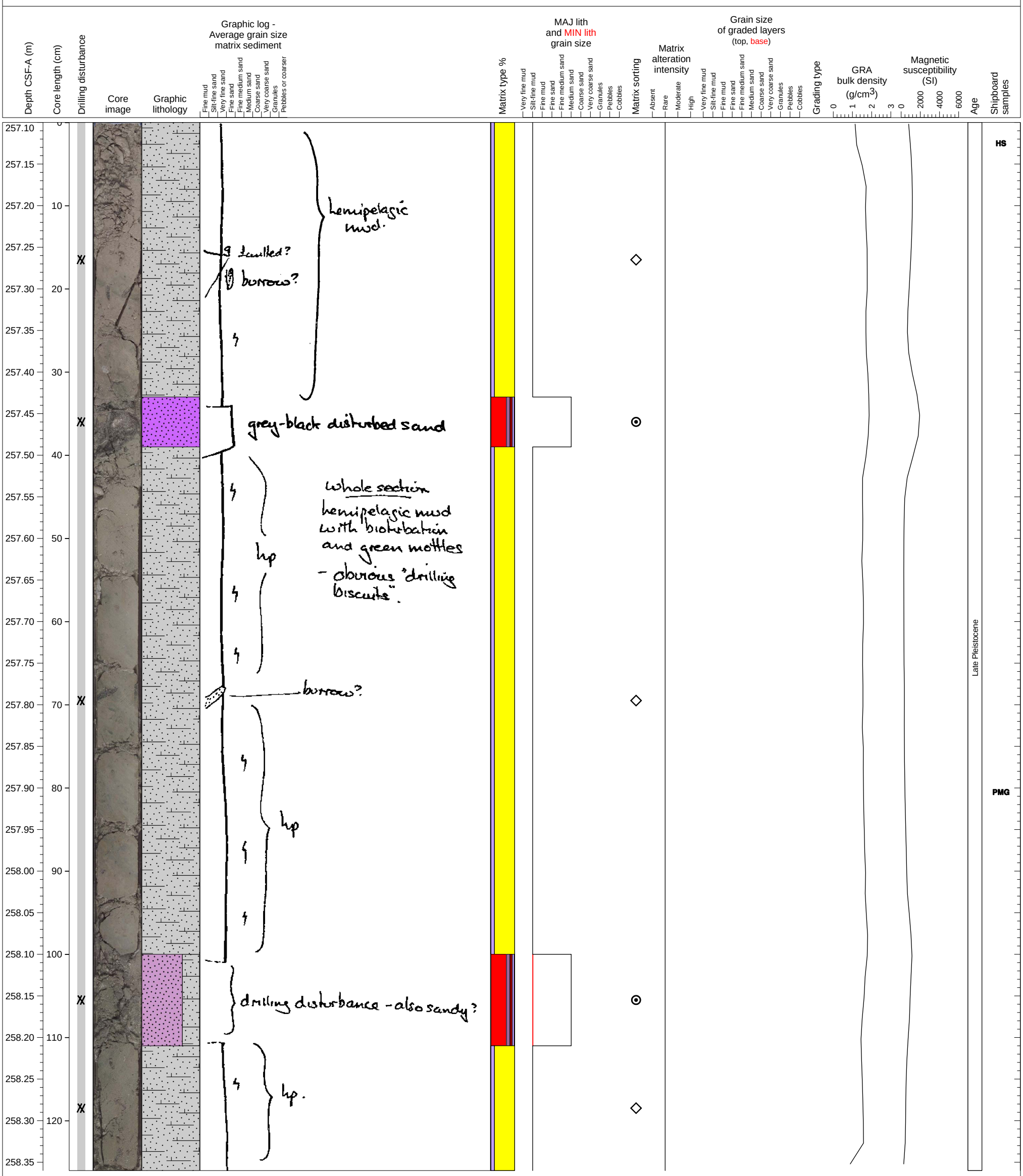
Hole 340-U1400C-30X Section 2, Top of Section: 255.6 CSF-A (m)

Heavily bioturbated and lithfied hemipelagic clay with volcaniclastic and calcareous sandstones.



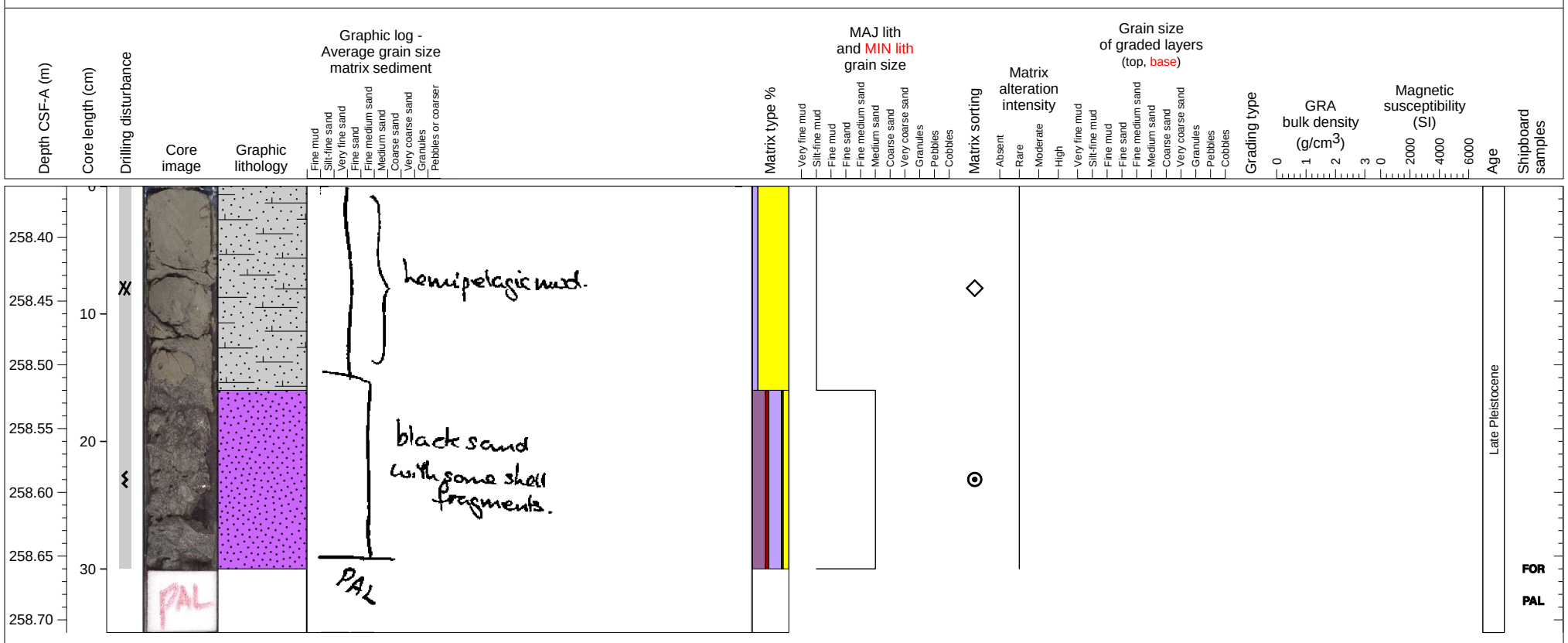
Hole 340-U1400C-30X Section 3, Top of Section: 257.1 CSF-A (m)

Mudstone interlayered and intermixed with volcaniclastic sand.



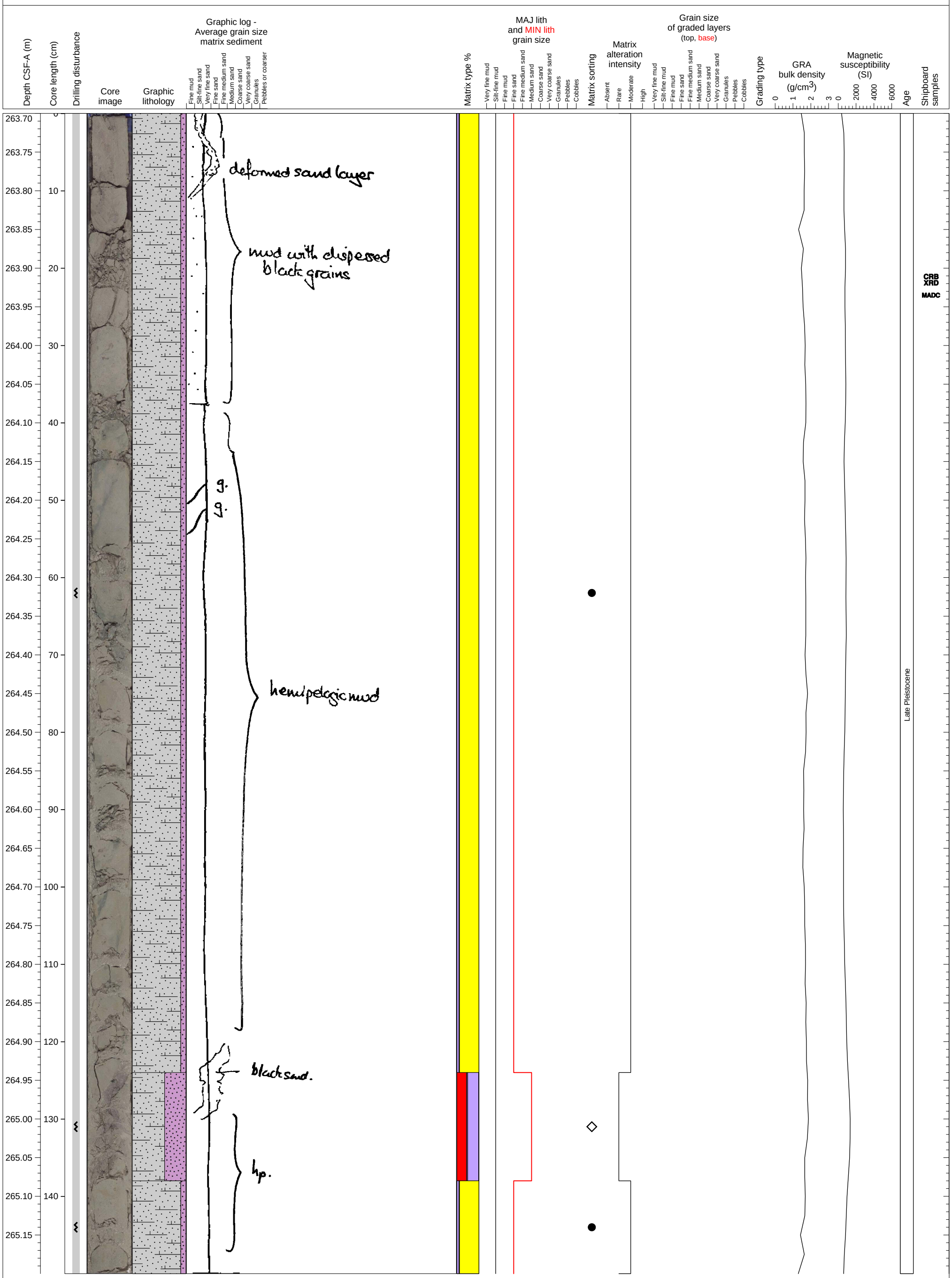
Hole 340-U1400C-30X Section CC, Top of Section: 258.36 CSF-A (m)

Mudstone overlying volcaniclastic sand. PAL sample from section base.



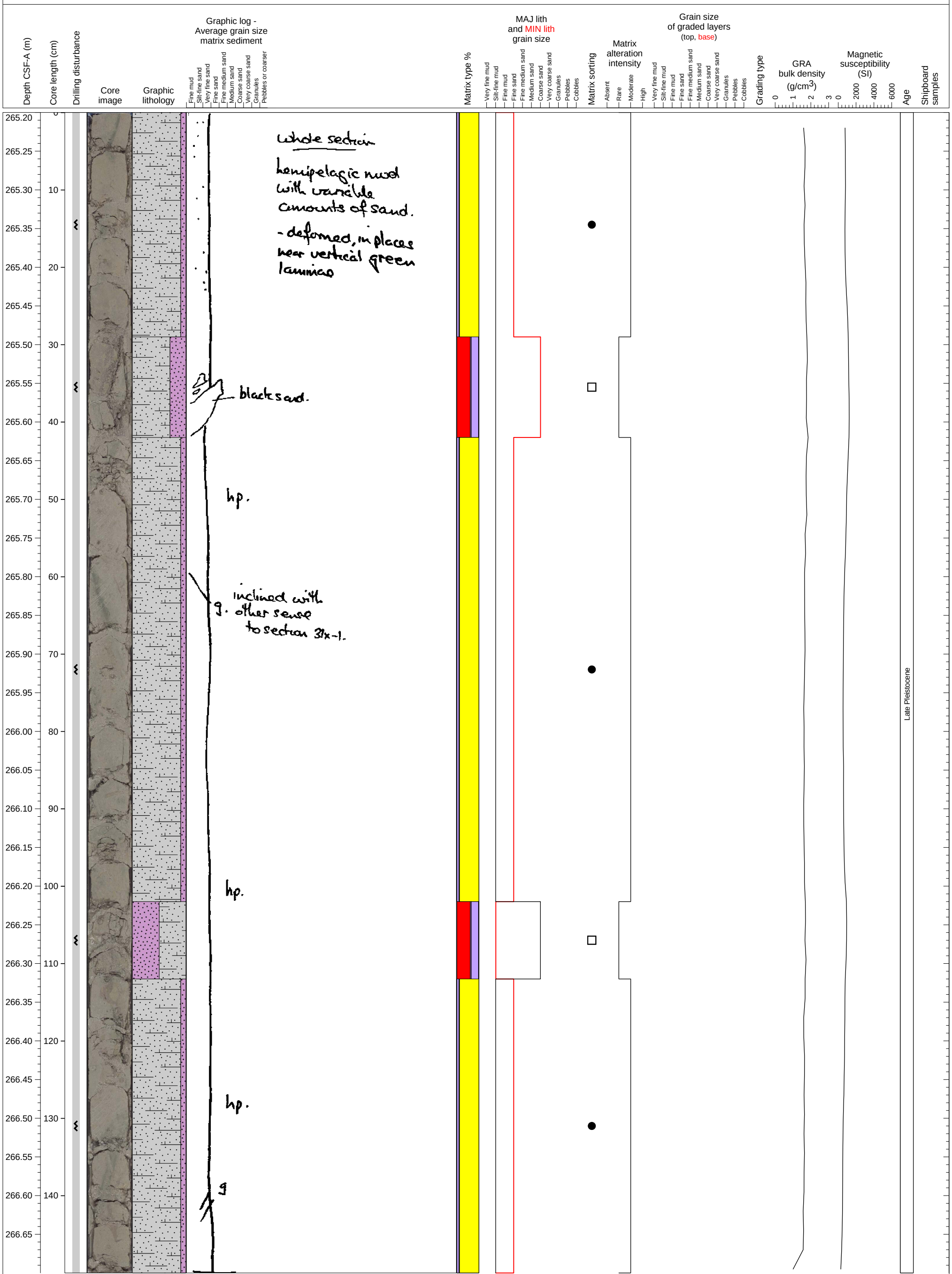
Hole 340-U1400C-31X Section 1, Top of Section: 263.7 CSF-A (m)

Lithified and bioturbated hemipelagic clay with several patches or units of volcaniclastic sands.



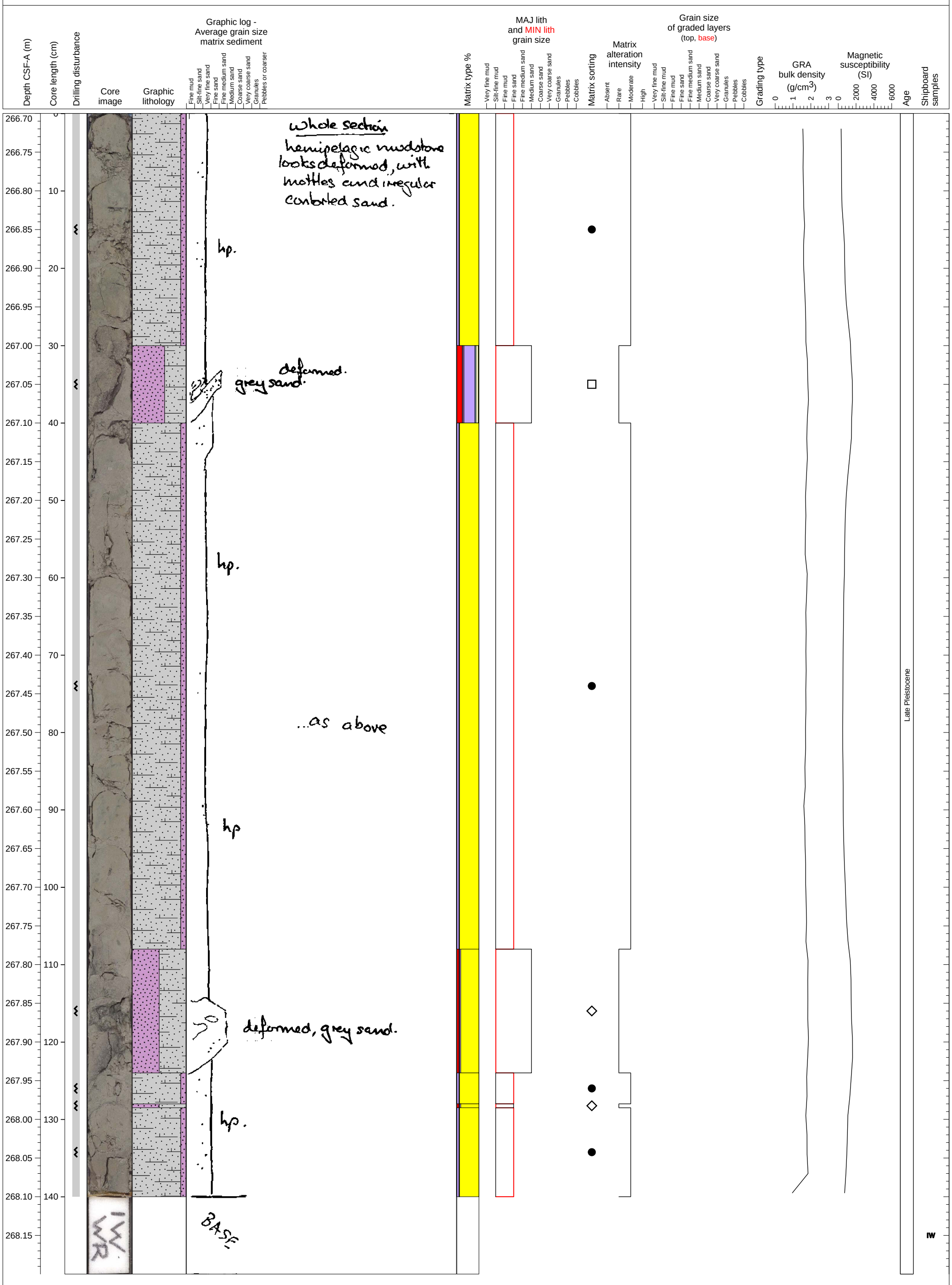
Hole 340-U1400C-31X Section 2, Top of Section: 265.2 CSF-A (m)

Lithfied and bioturbated hemepelagic clay with several patches of volcaniclastic sands.



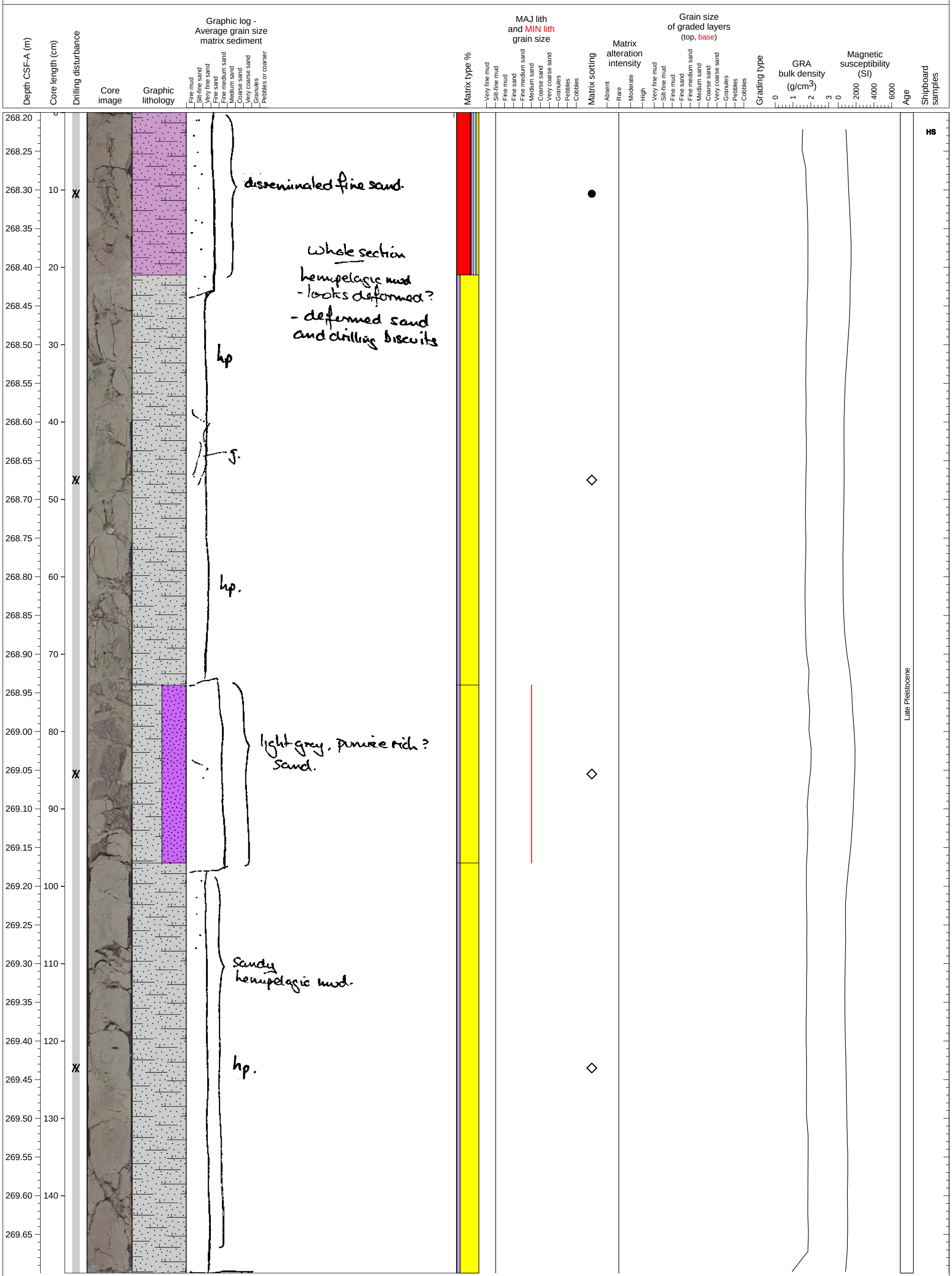
Hole 340-U1400C-31X Section 3, Top of Section: 266.7 CSF-A (m)

Lithfied bioturbated hemipelagic clay with deformed volcaniclastic sand units.



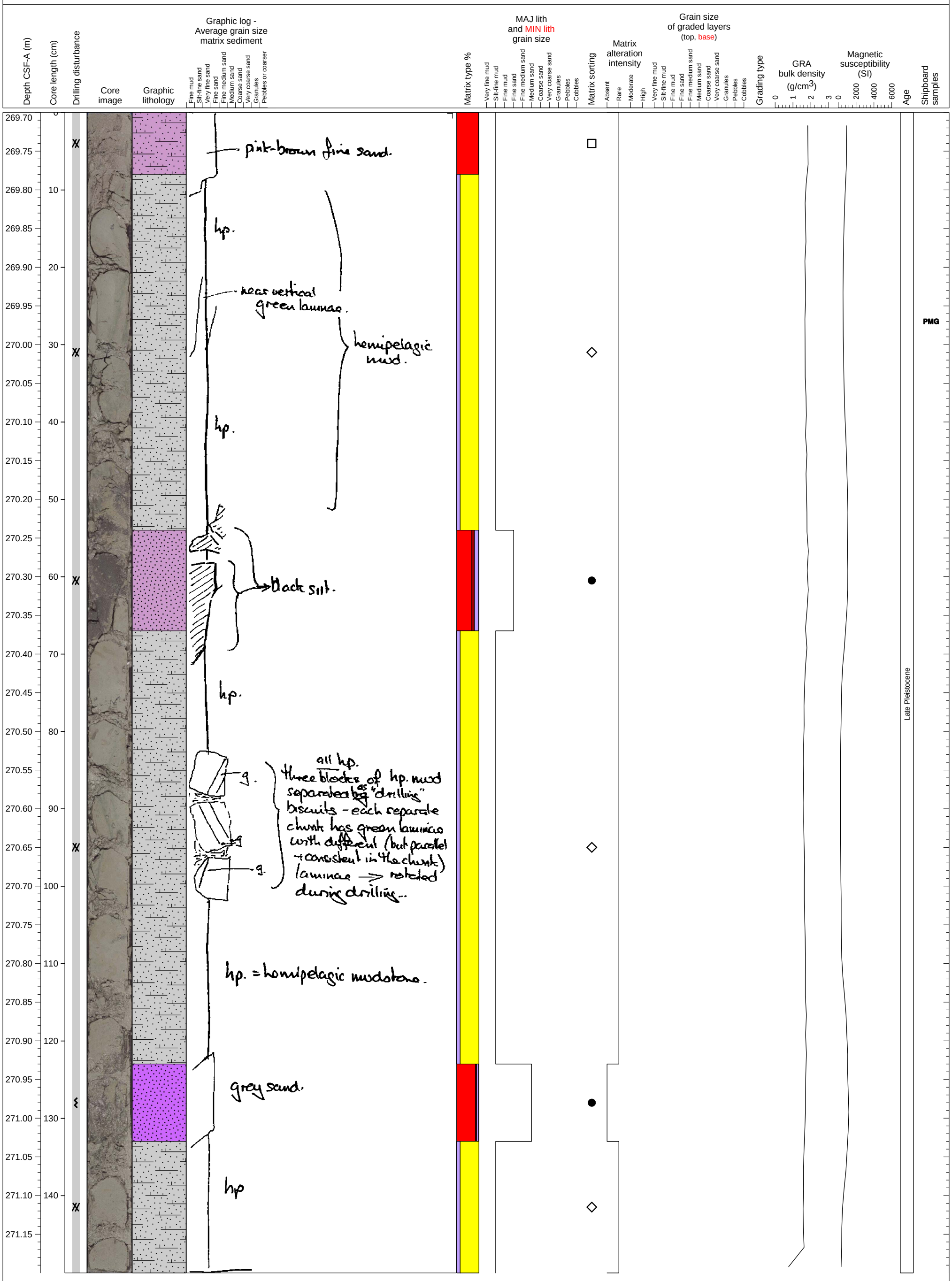
Hole 340-U1400C-31X Section 4, Top of Section: 268.2 CSF-A (m)

Mudstone with complex mixture of mudstone and volcaniclastic sand interlayered.



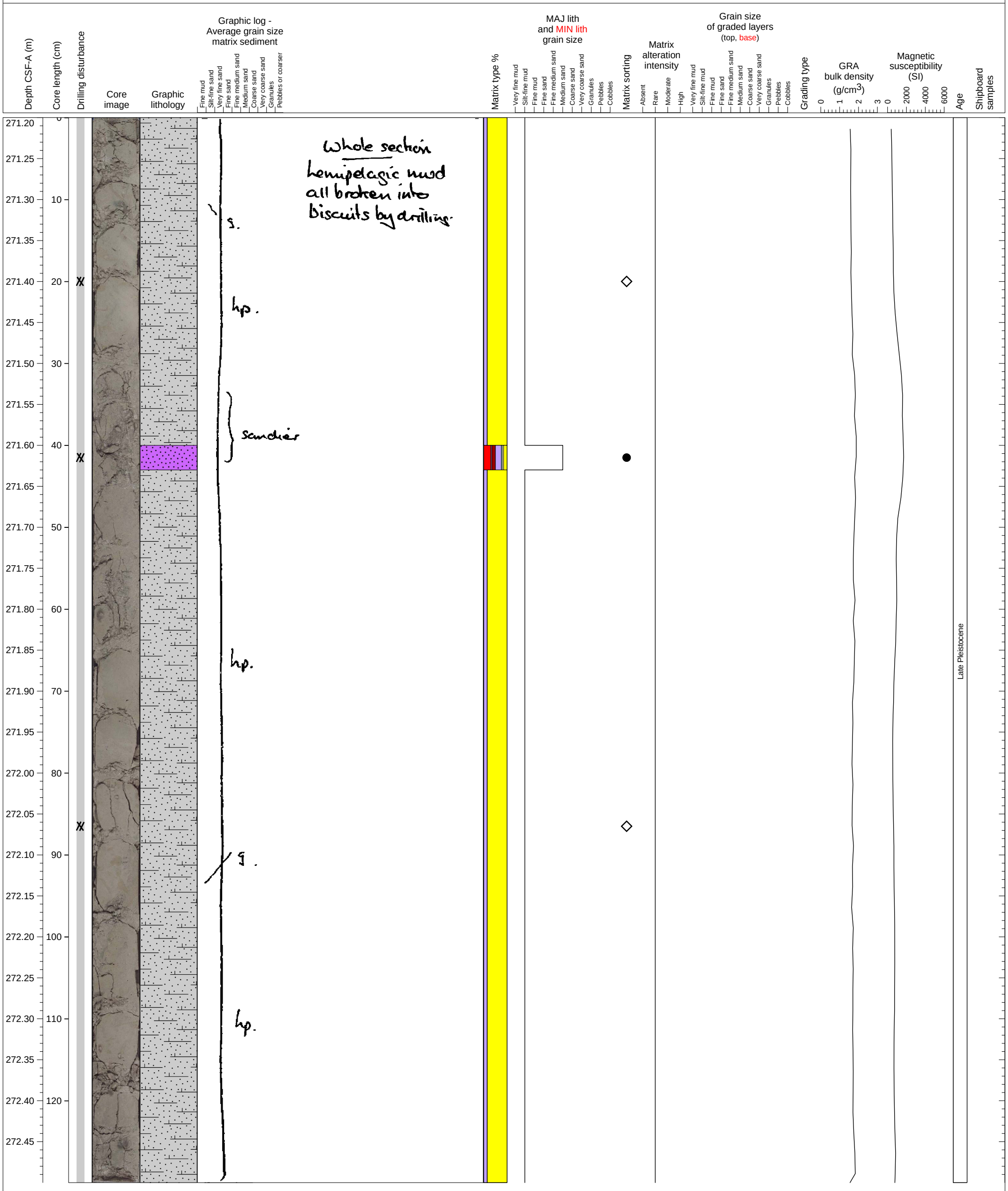
Hole 340-U1400C-31X Section 5, Top of Section: 269.7 CSF-A (m)

Mudstone and volcaniclastic sand layers. Drilling disturbance makes contacts difficult to recognize.



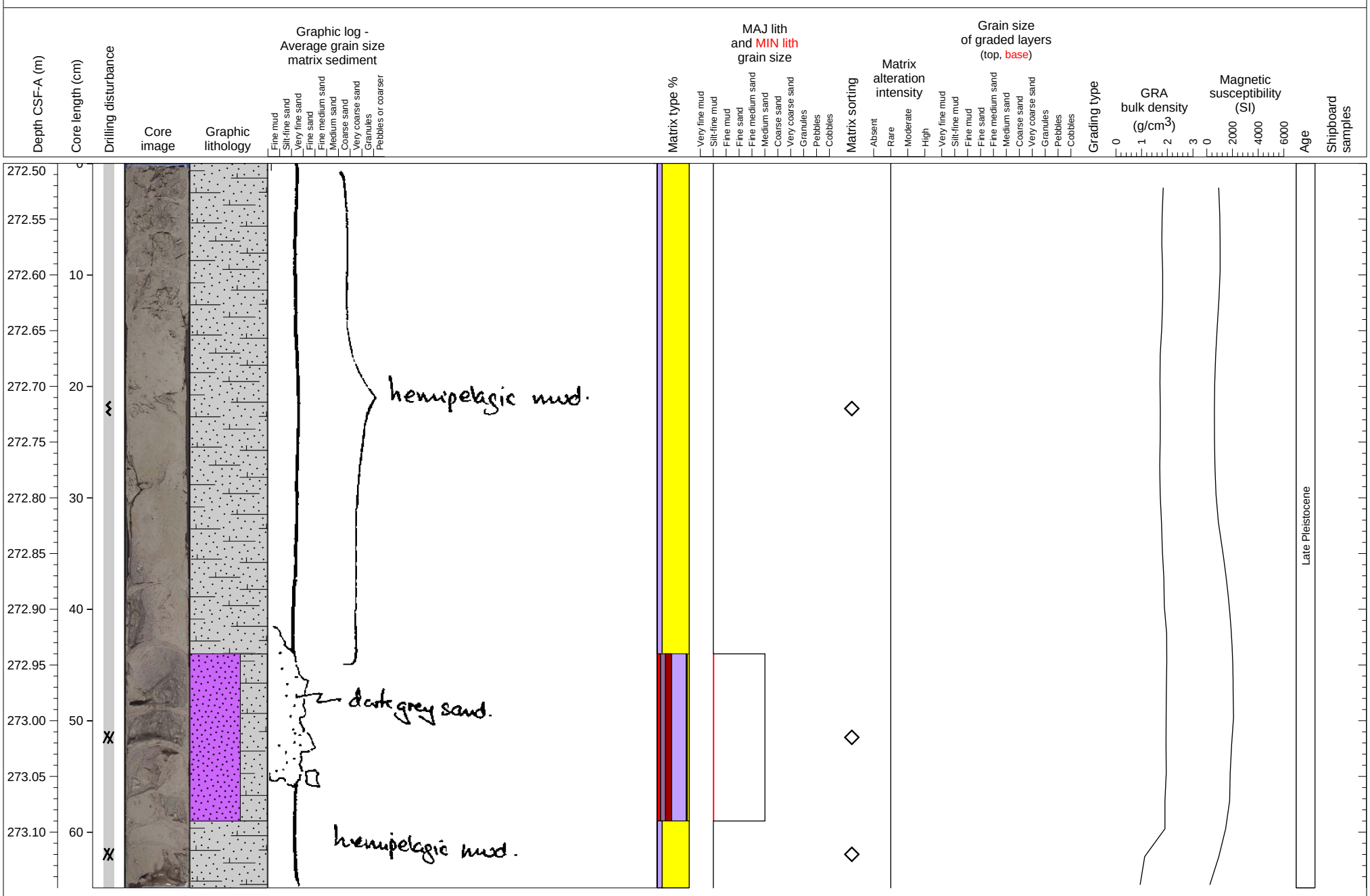
Hole 340-U1400C-31X Section 6, Top of Section: 271.2 CSF-A (m)

Mudstone with volcaniclastic sand layer. Drilling disturbance makes it difficult to recover geologic context.



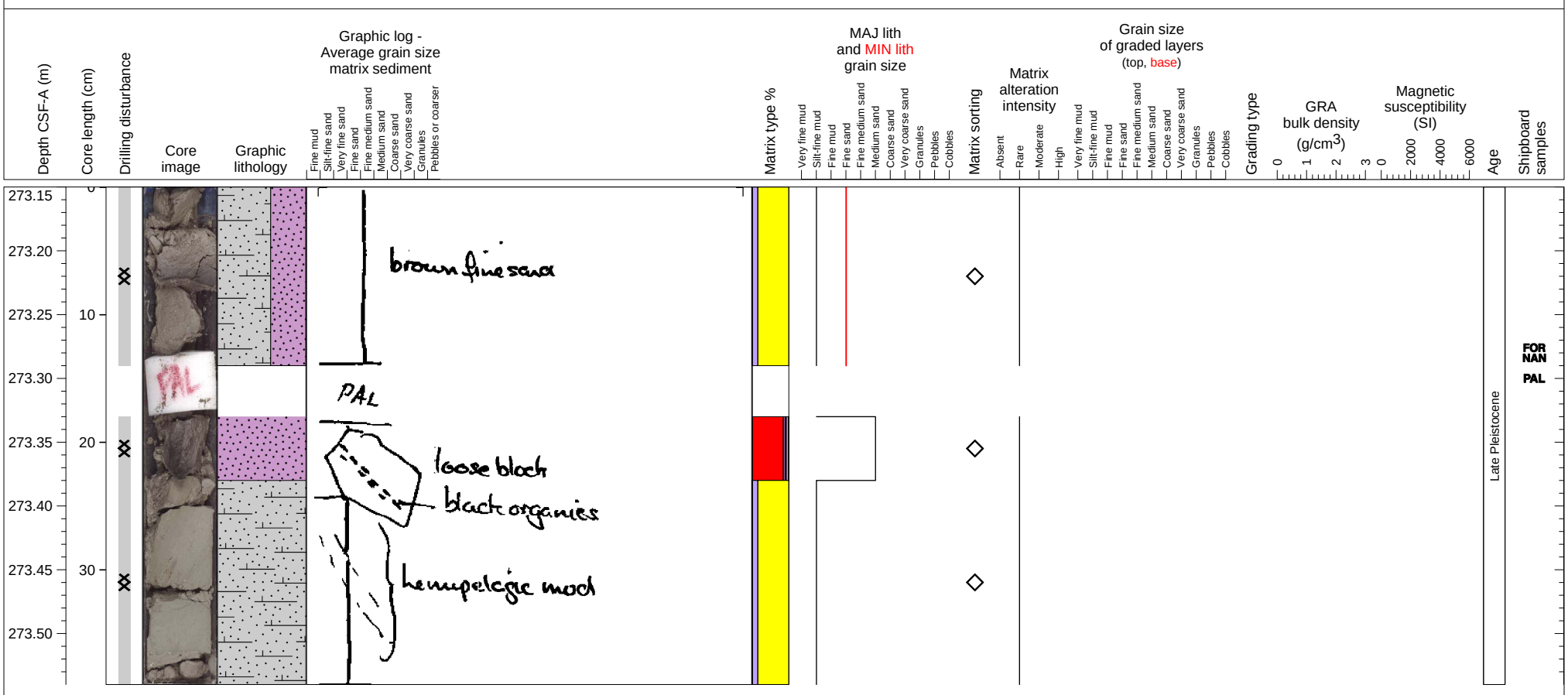
Hole 340-U1400C-31X Section 7, Top of Section: 272.5 CSF-A (m)

Mudstone interlayered with a laminated mudstone-sand unit. Drilling disturbance makes geologic context difficult to discern.



Hole 340-U1400C-31X Section CC, Top of Section: 273.15 CSF-A (m)

Pieces of mudstone, volcaniclastic sandstone, and a mixture of the two. PAL sample from section middle.



Hole 340-U1400C-32X Section 1, Top of Section: 273.3 CSF-A (m)

Lithified hemipelagic clay interlayered with a volcaniclastic sand unit.

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

273.30
273.35
273.40
273.45
273.50
273.55
273.60
273.65
273.70
273.75
273.80
273.85
273.90
273.95
274.00
274.05
274.10
274.15
274.20
274.25
274.30
274.35
274.40
274.45
274.50
274.55
274.60
274.65
274.70
274.75

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

heavily bioturbated hemipelagic mud.

...as above

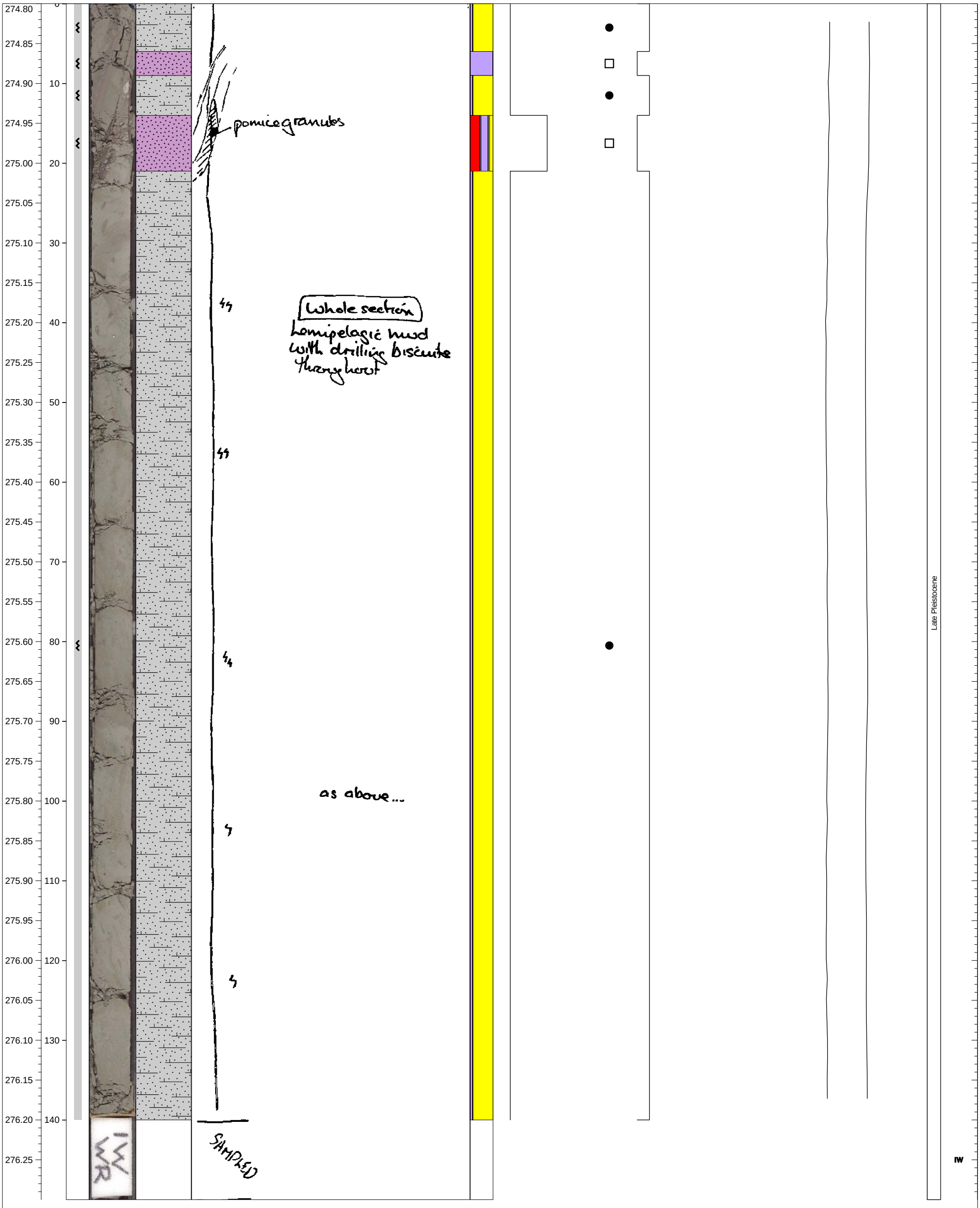
deformed brown-pink sand

hemipelagic mud with dispersed sand grains

Late Pleistocene

Hole 340-U1400C-32X Section 2, Top of Section: 274.8 CSF-A (m)

Deformed, lithified and bioturbated hemipelagic clay interlayered with thin ash fall units in upper part.



Hole 340-U1400C-32X Section 3, Top of Section: 276.3 CSF-A (m)

Lithified bioturbated hemipelagic clay interlayered with volcaniclastic sand.

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

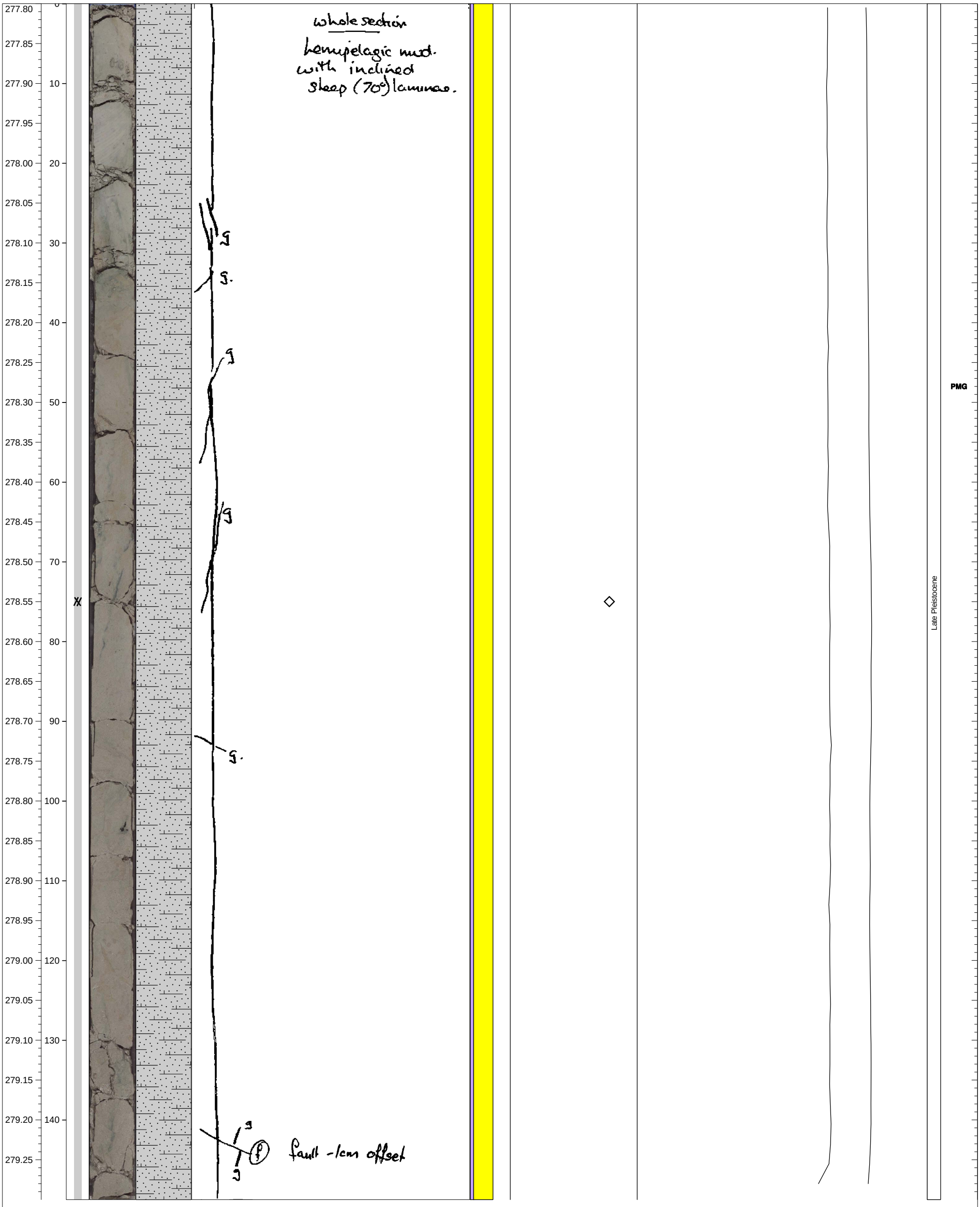
276.30 – 0
276.35
276.40 – 10
276.45
276.50 – 20
276.55
276.60 – 30
276.65
276.70 – 40
276.75
276.80 – 50
276.85
276.90 – 60
276.95
277.00 – 70
277.05
277.10 – 80
277.15
277.20 – 90
277.25
277.30 – 100
277.35
277.40 – 110
277.45
277.50 – 120
277.55
277.60 – 130
277.65
277.70 – 140
277.75

Sandy hemipelagic mud
fossil-elongate tube .. ?? gastropod-end-on" ?
black-dark grey sand
inclined ~ 50°
heavily burrowed hemipelagic mud.

HS
Late Pleistocene
CRB
XRD
MADC

Hole 340-U1400C-32X Section 4, Top of Section: 277.8 CSF-A (m)

Mudstone.



Hole 340-U1400C-32X Section 5, Top of Section: 279.3 CSF-A (m)

Heavily bioturbated mudstone.

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

279.30 – 0
279.35
279.40 – 10
279.45
279.50 – 20
279.55
279.60 – 30
279.65
279.70 – 40
279.75
279.80 – 50
279.85
279.90 – 60
279.95
280.00 – 70
280.05
280.10 – 80
280.15
280.20 – 90
280.25
280.30 – 100
280.35
280.40 – 110
280.45
280.50 – 120
280.55
280.60 – 130
280.65
280.70 – 140
280.75

hemipelagic mud.
- heavily bioturbated.
but no laminations to define other deformation

...as above

green day.

...as above

Late Pleistocene

Hole 340-U1400C-32X Section 6, Top of Section: 280.8 CSF-A (m)

Heavily bioturbated mudstone.

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

280.80
280.85
280.90
280.95
281.00
281.05
281.10
281.15
281.20
281.25
281.30
281.35
281.40
281.45
281.50
281.55
281.60
281.65
281.70
281.75
281.80
281.85

0
10
20
30
40
50
60
70
80
90
100

whole section
- heavily bioturbated hemipelagic mud.
- no sand.

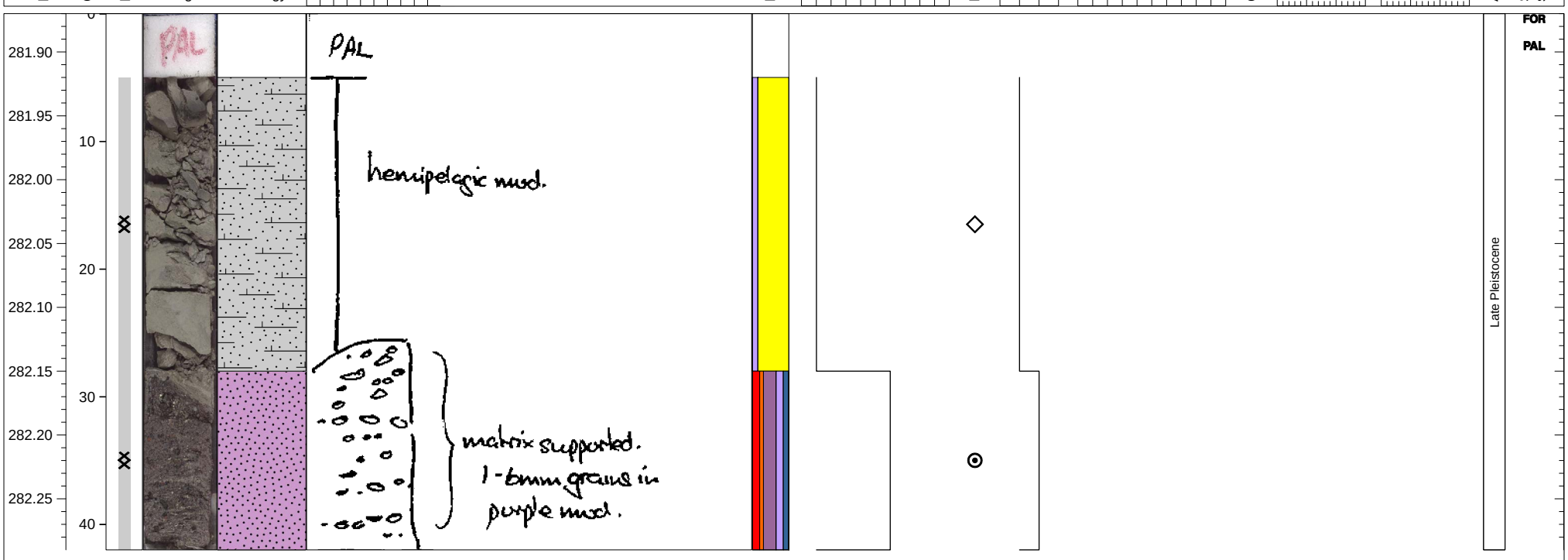
- each drilling biscuit is individually rotated - so hard to tell if deformed.

as above.

Late Pleistocene

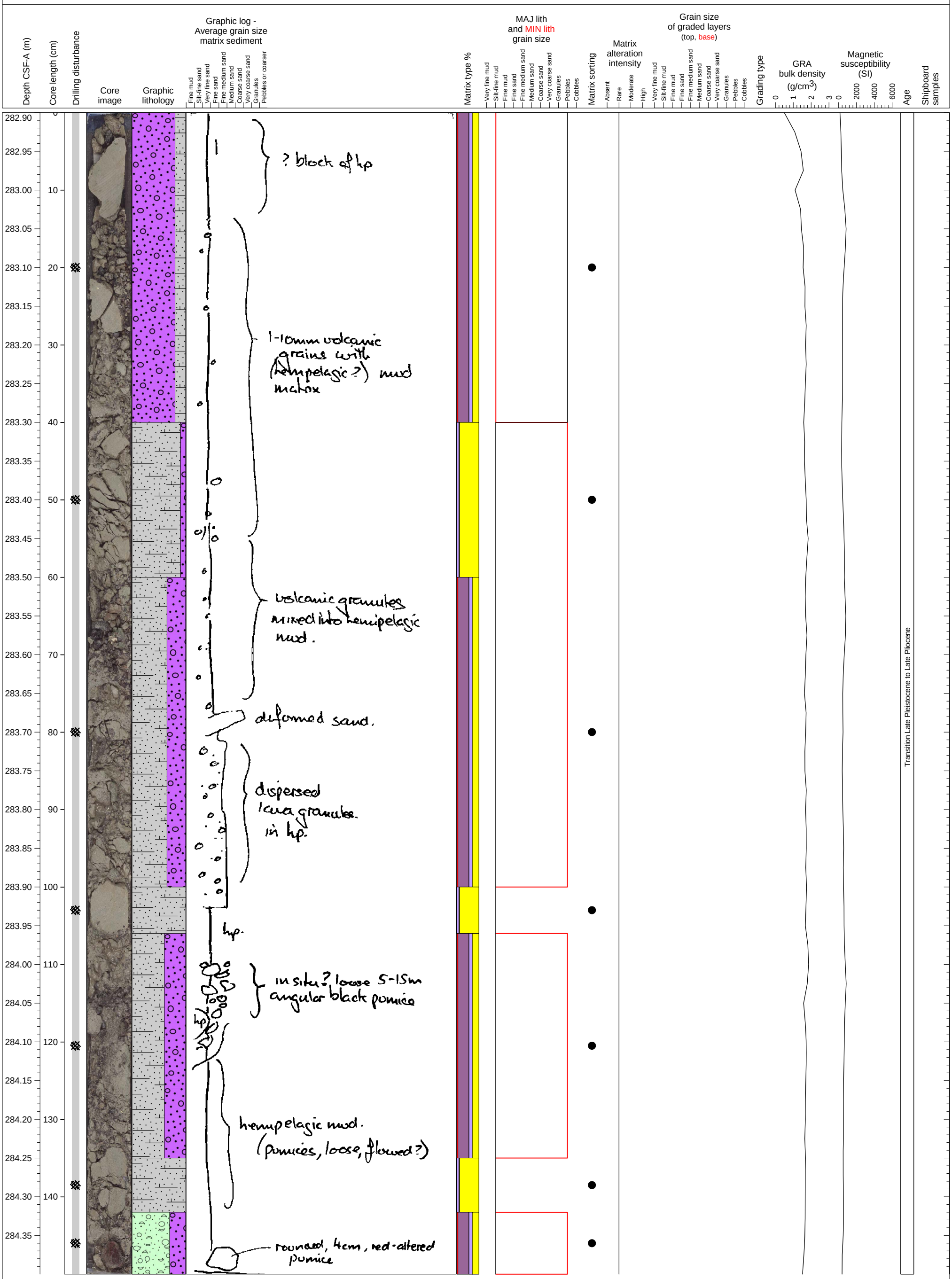
Hole 340-U1400C-32X Section CC, Top of Section: 281.87 CSF-A (m)

Mudstone overlying a coarse laminated volcaniclastic sandstone.



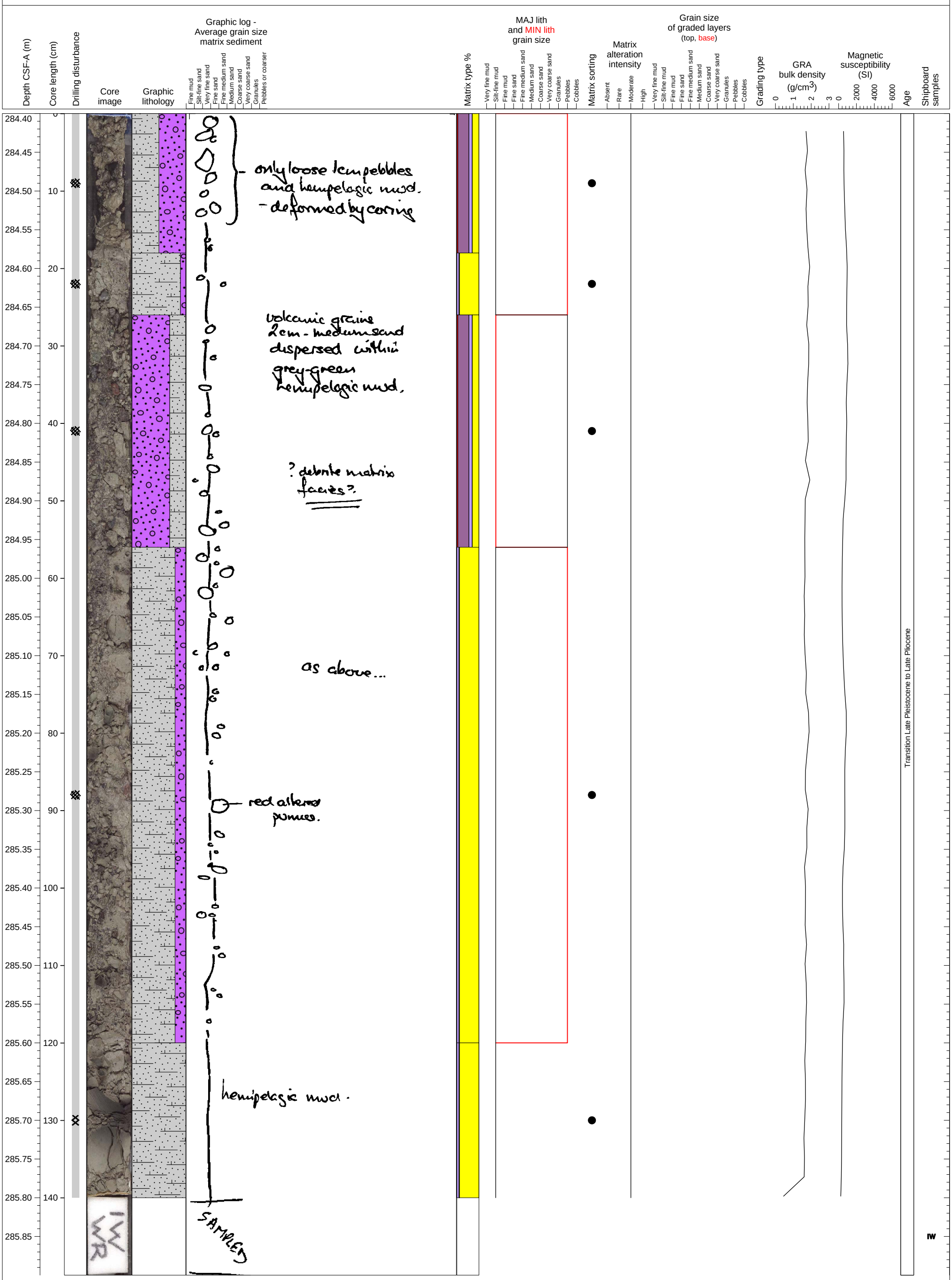
Hole 340-U1400C-33X Section 1, Top of Section: 282.9 CSF-A (m)

Severely destroyed lithified hemipelagic clay containing abundant volcaniclastic gravels.



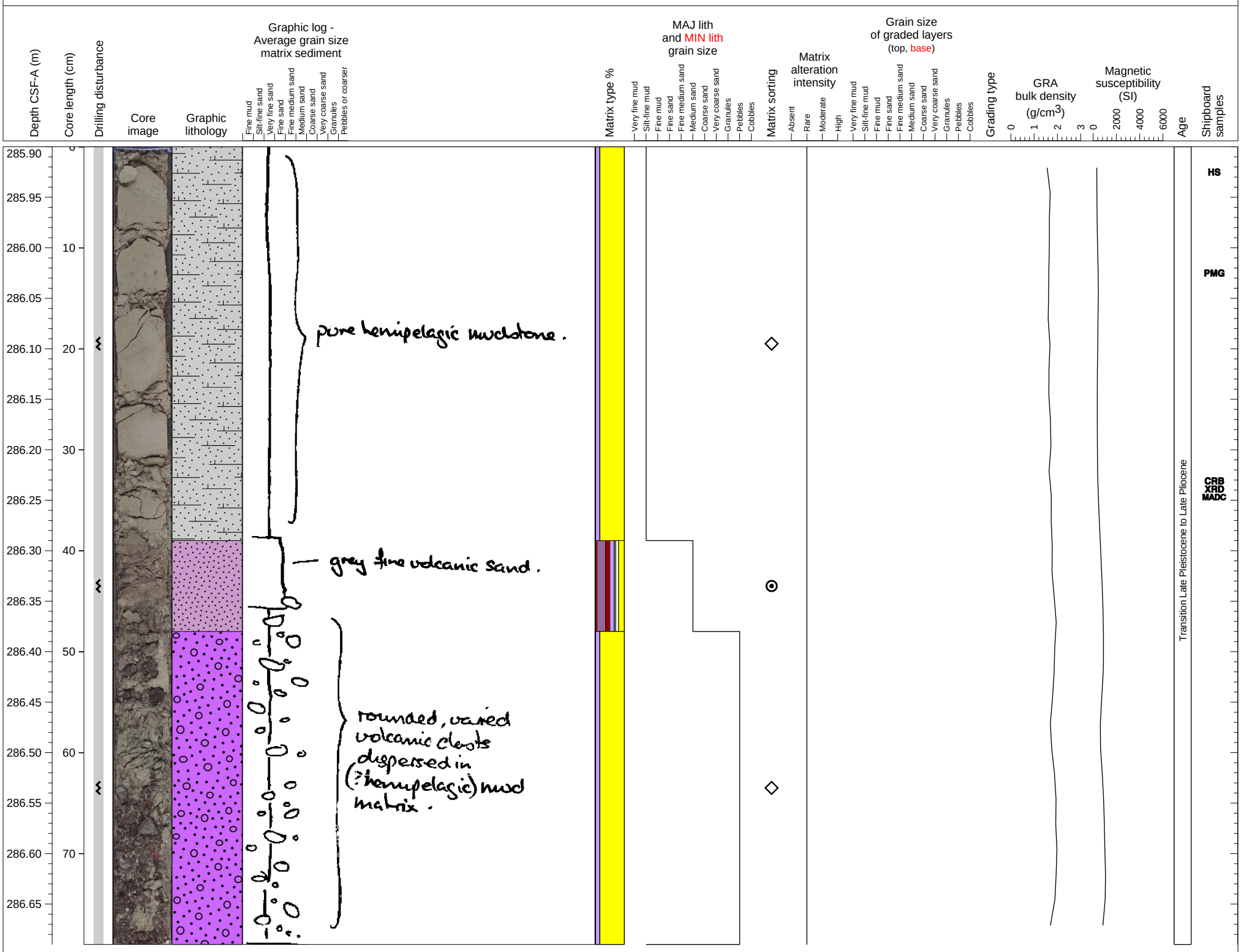
Hole 340-U1400C-33X Section 2, Top of Section: 284.4 CSF-A (m)

Severely destroyed lithified hemipelagic clay containing abundant volcaniclastic gravels.



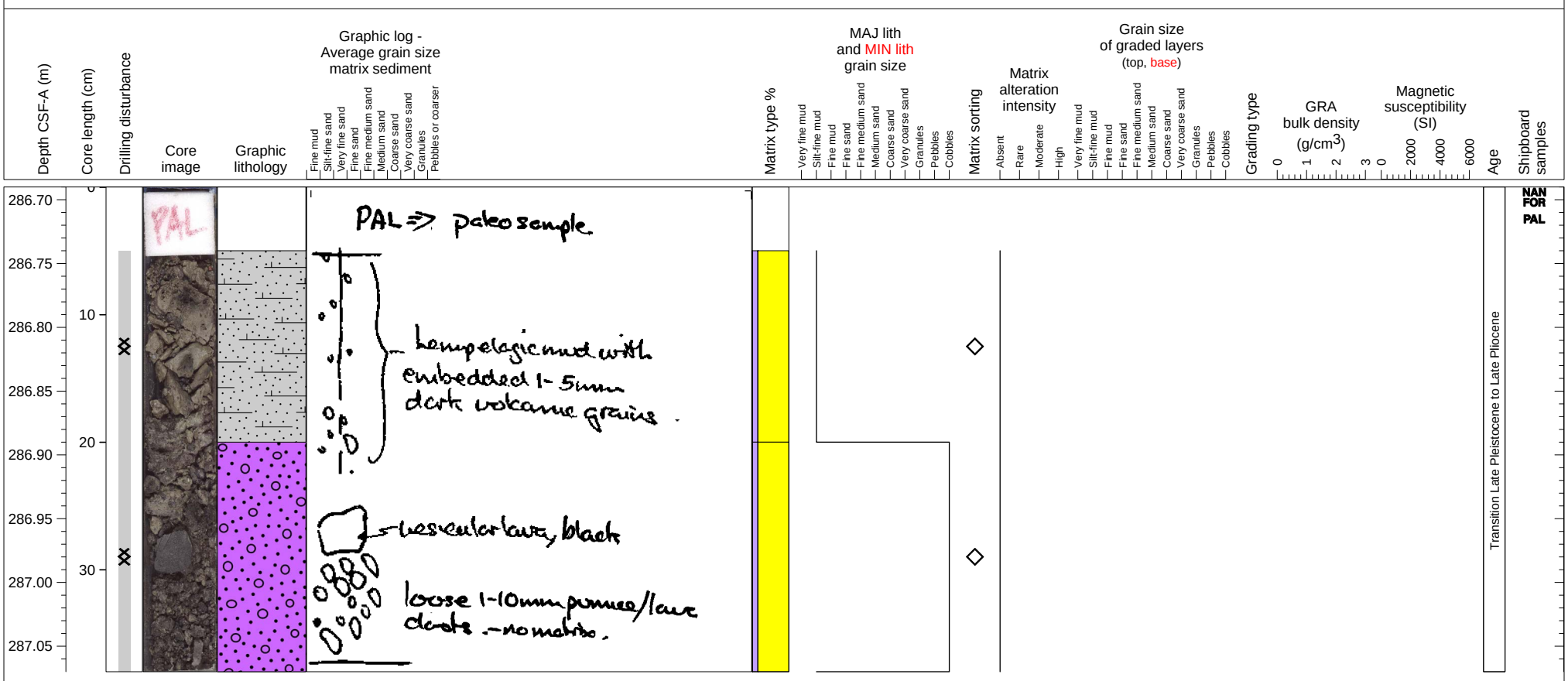
Hole 340-U1400C-33X Section 3, Top of Section: 285.9 CSF-A (m)

Mudstone and volcaniclastic sandstone units overlaying a volcaniclastic gravel deposit. The clasts in the deposits are composed of igneous pebbles and mud clasts.



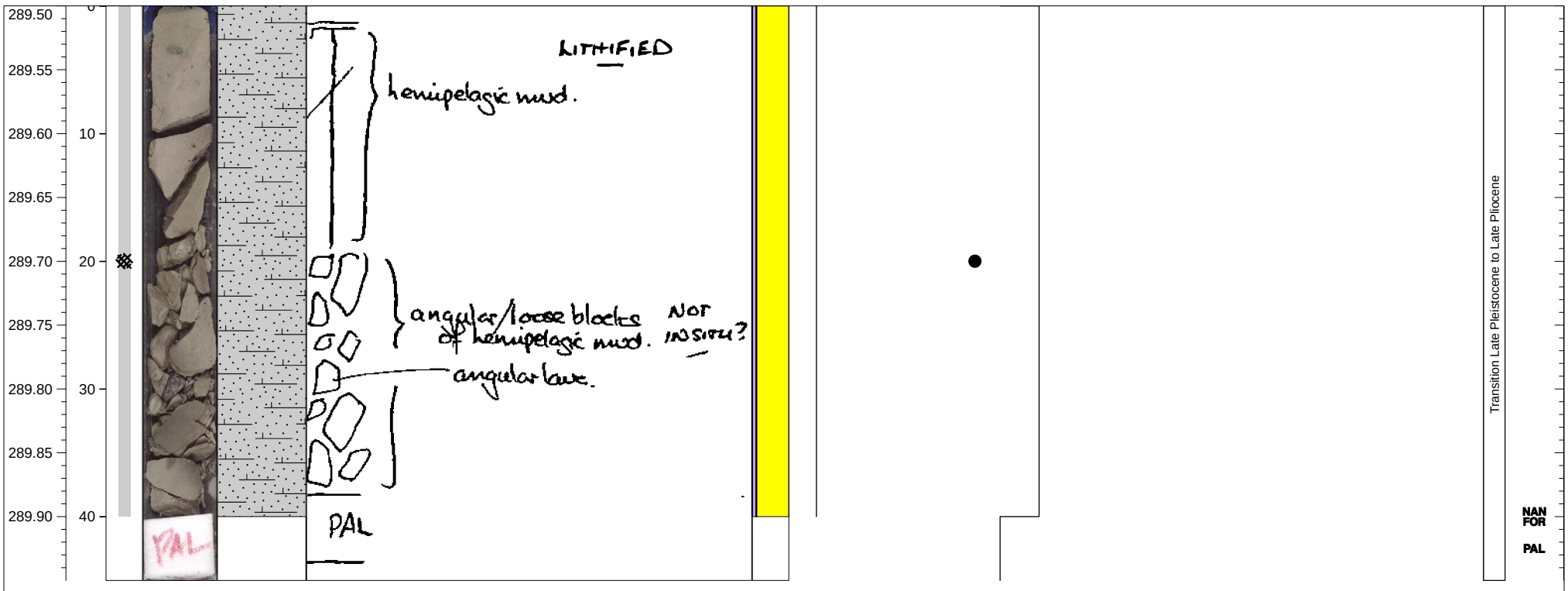
Hole 340-U1400C-33X Section CC, Top of Section: 286.69 CSF-A (m)

Clast-rich mudstone overlying volcaniclastic gravel containing primarily vesicular lava clasts. PAL sample from section base.



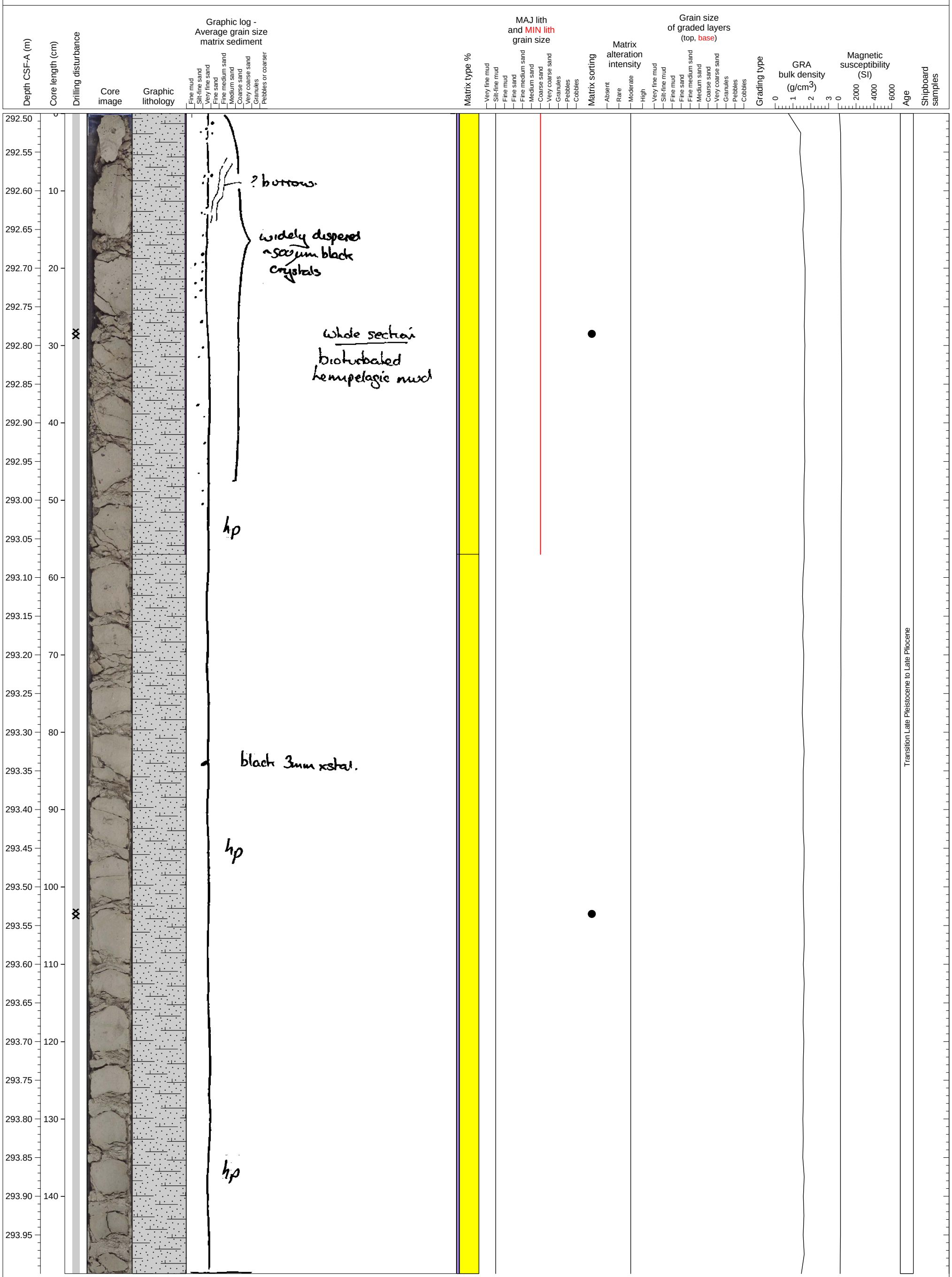
Hole 340-U1400C-34X Section CC, Top of Section: 289.5 CSF-A (m)

Bioturbated mudstone.



Hole 340-U1400C-35X Section 1, Top of Section: 292.5 CSF-A (m)

Heavily bioturbated mudstone. In upper part lithic (aphyric andesite with red brown surface) and crystals (hb, px, pl) are scattered.



Hole 340-U1400C-35X Section 2, Top of Section: 294.0 CSF-A (m)

Heavily bioturbated mudstone containing volcaniclastic sand.

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

294.00 – 0
294.05
294.10 – 10
294.15
294.20 – 20
294.25
294.30 – 30
294.35
294.40 – 40
294.45
294.50 – 50
294.55
294.60 – 60
294.65
294.70 – 70
294.75
294.80 – 80
294.85
294.90 – 90
294.95
295.00 – 100
295.05
295.10 – 110
295.15
295.20 – 120
295.25
295.30 – 130
295.35
295.40 – 140
295.45

whole section
bioturbated, hemipelagic mud - broken into biscuit
- no sand layers visible - pure hemipelagic mud

? borrow.

Transition Late Pleistocene to Late Pliocene

Hole 340-U1400C-35X Section 3, Top of Section: 295.5 CSF-A (m)

Mudstone drilling biscuits.

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

Whole section
all hemipelagic mud that has been bioturbated
- no sand layers except at very bottom
- drilling biscuits common.
- sand at bottom heavily contorted

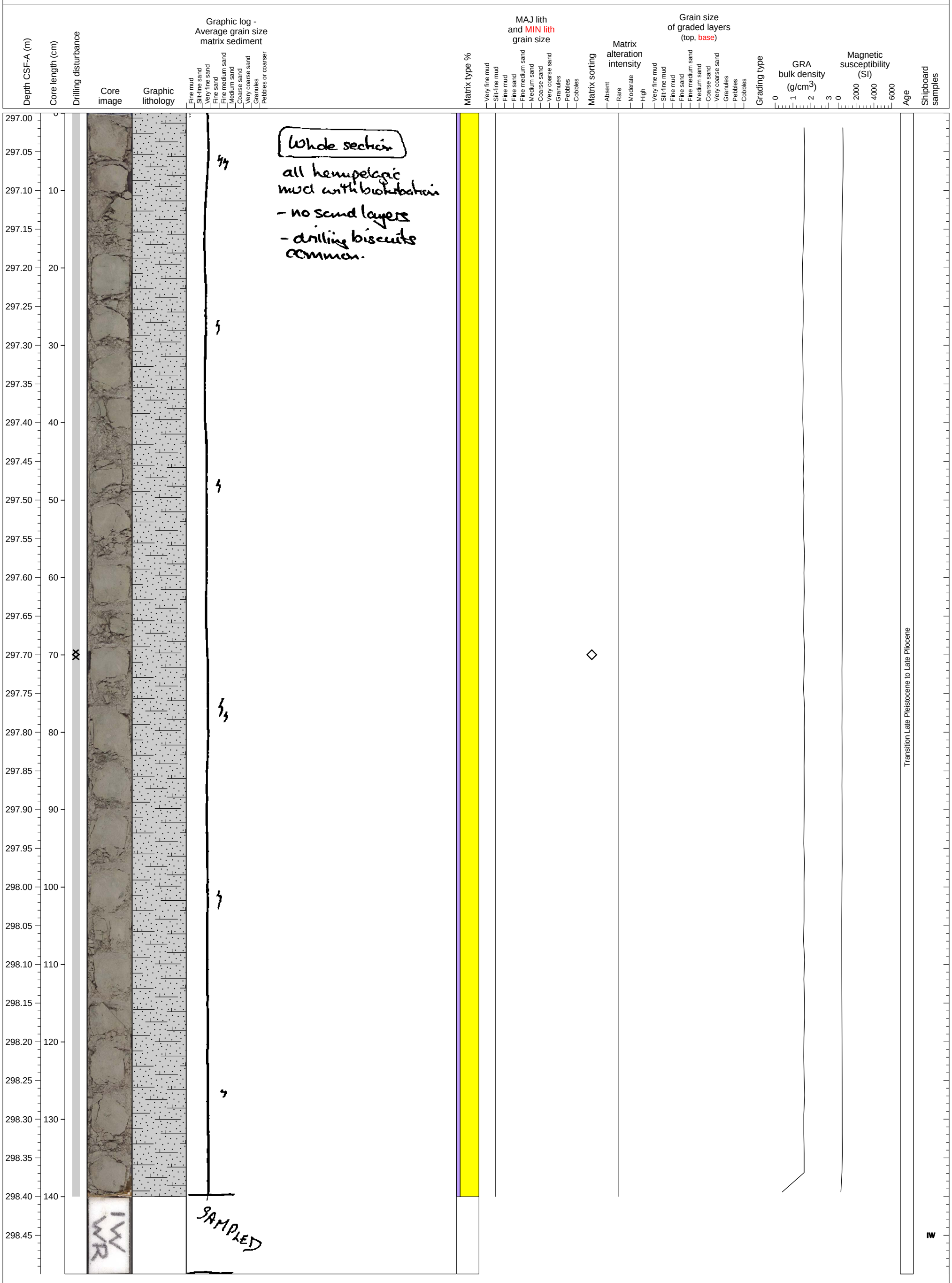
deformed, contorted, sand.

Transition Late Pleistocene to Late Pliocene

XRD
CRB
MADC
PMG

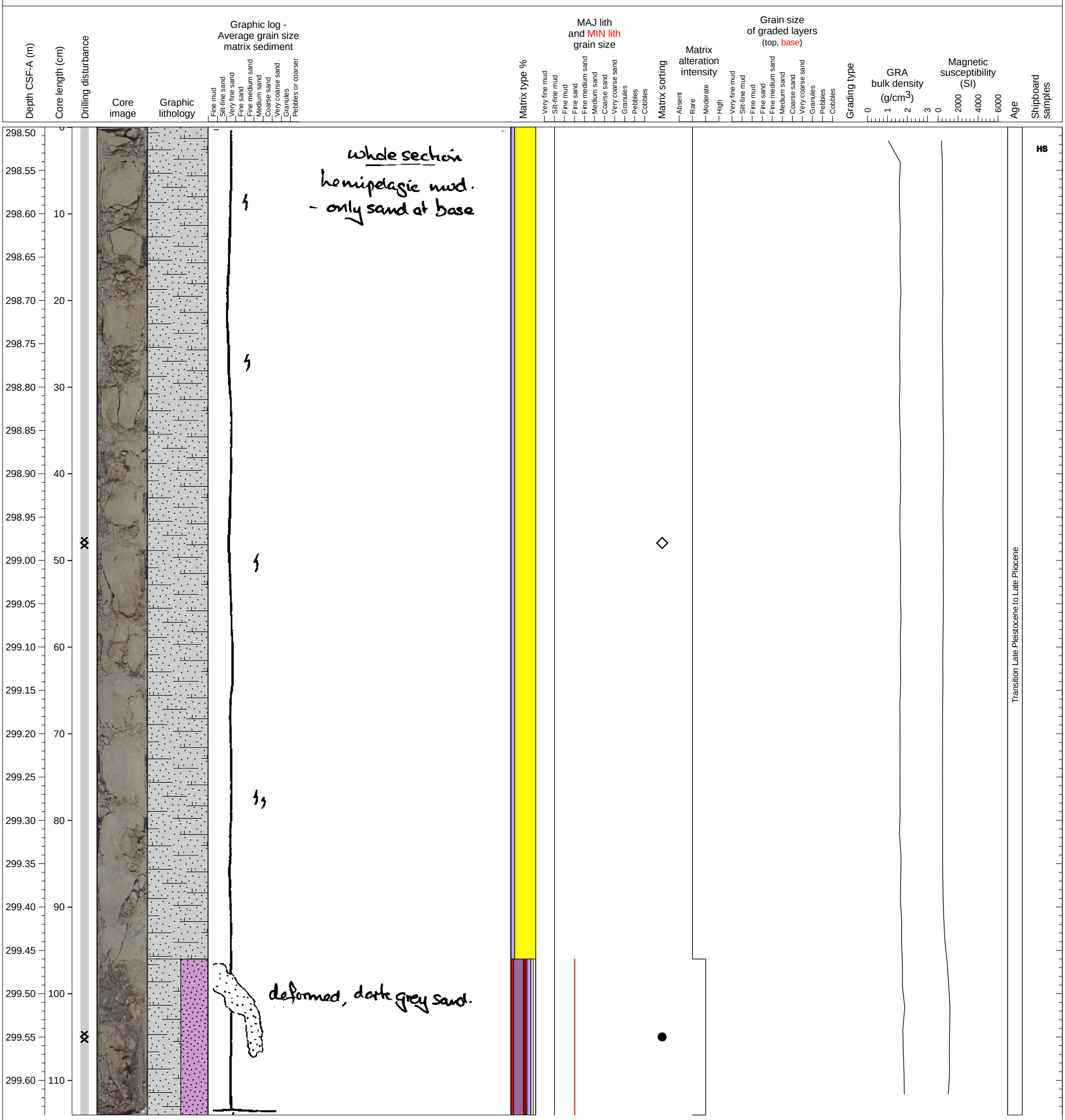
Hole 340-U1400C-35X Section 4, Top of Section: 297.0 CSF-A (m)

Mudstone drilling biscuits.



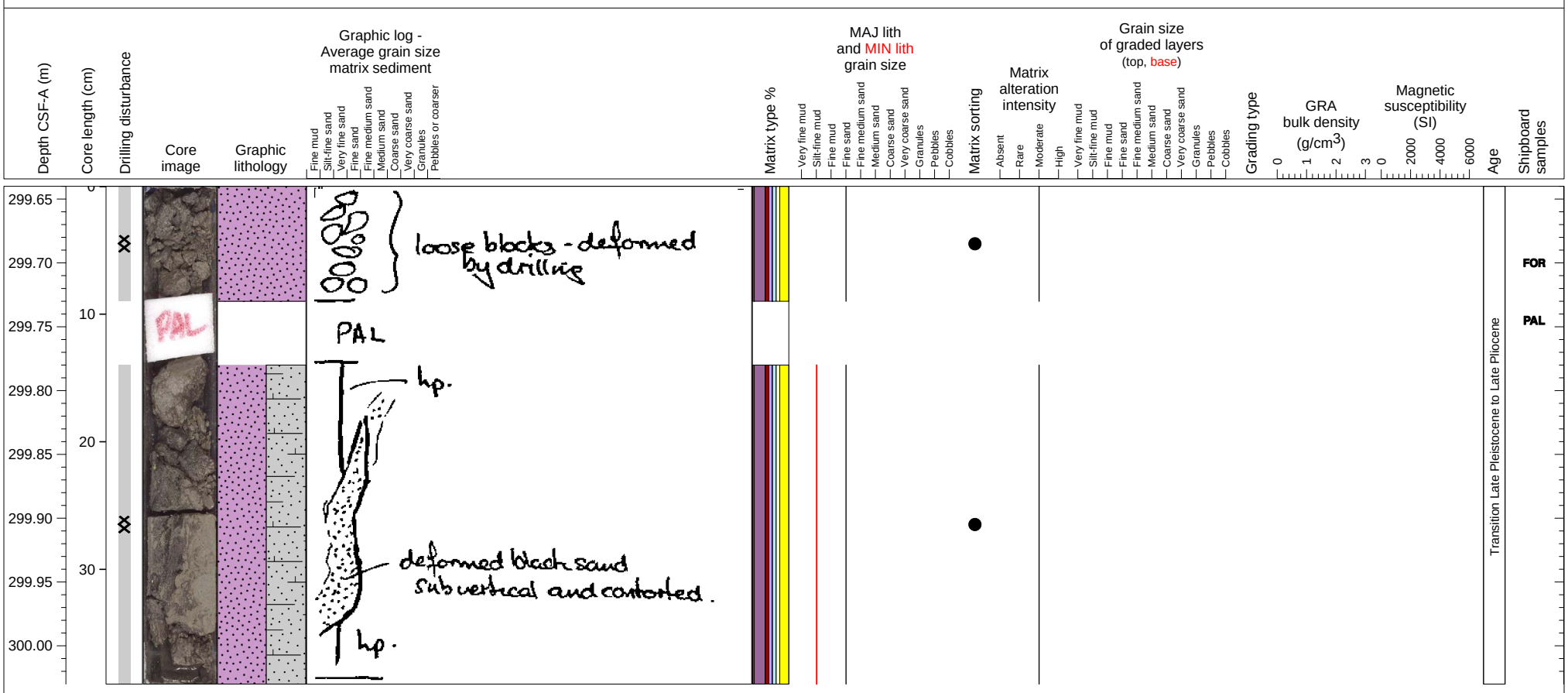
Hole 340-U1400C-35X Section 5, Top of Section: 298.5 CSF-A (m)

Mudstone drilling biscuits overlying a mixed mudstone/volcaniclastic sandstone unit. The mixing is vertical and may be drilling disturbance or deformation in the chaotic unit.



Hole 340-U1400C-35X Section CC, Top of Section: 299.64 CSF-A (m)

Volcaniclastic sandstone overlying a mixed volcaniclastic sandstone/mudstone unit. The mixing is vertical and may be the result of drilling disturbance or deformation within the chaotic unit. PAL sample from middle of section.



Hole 340-U1400C-36X Section 1, Top of Section: 302.1 CSF-A (m)

Consolidated bioturbated hemipelagic sediment witth volcaniclastic materials

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

302.10 – 0
302.15 – 10
302.20 – 10
302.25 – 20
302.30 – 20
302.35 – 30
302.40 – 30
302.45 – 40
302.50 – 40
302.55 – 50
302.60 – 50
302.65 – 60
302.70 – 60
302.75 – 70
302.80 – 70
302.85 – 80
302.90 – 80
302.95 – 90
303.00 – 90
303.05 – 100
303.10 – 100
303.15 – 110
303.20 – 110
303.25 – 120
303.30 – 120
303.35 – 130
303.40 – 130
303.45 – 140
303.50 – 140
303.55

→ volcanic sand mixed with mud

? Compacted hemipelagic mud bioturbated ? and fractured by drilling

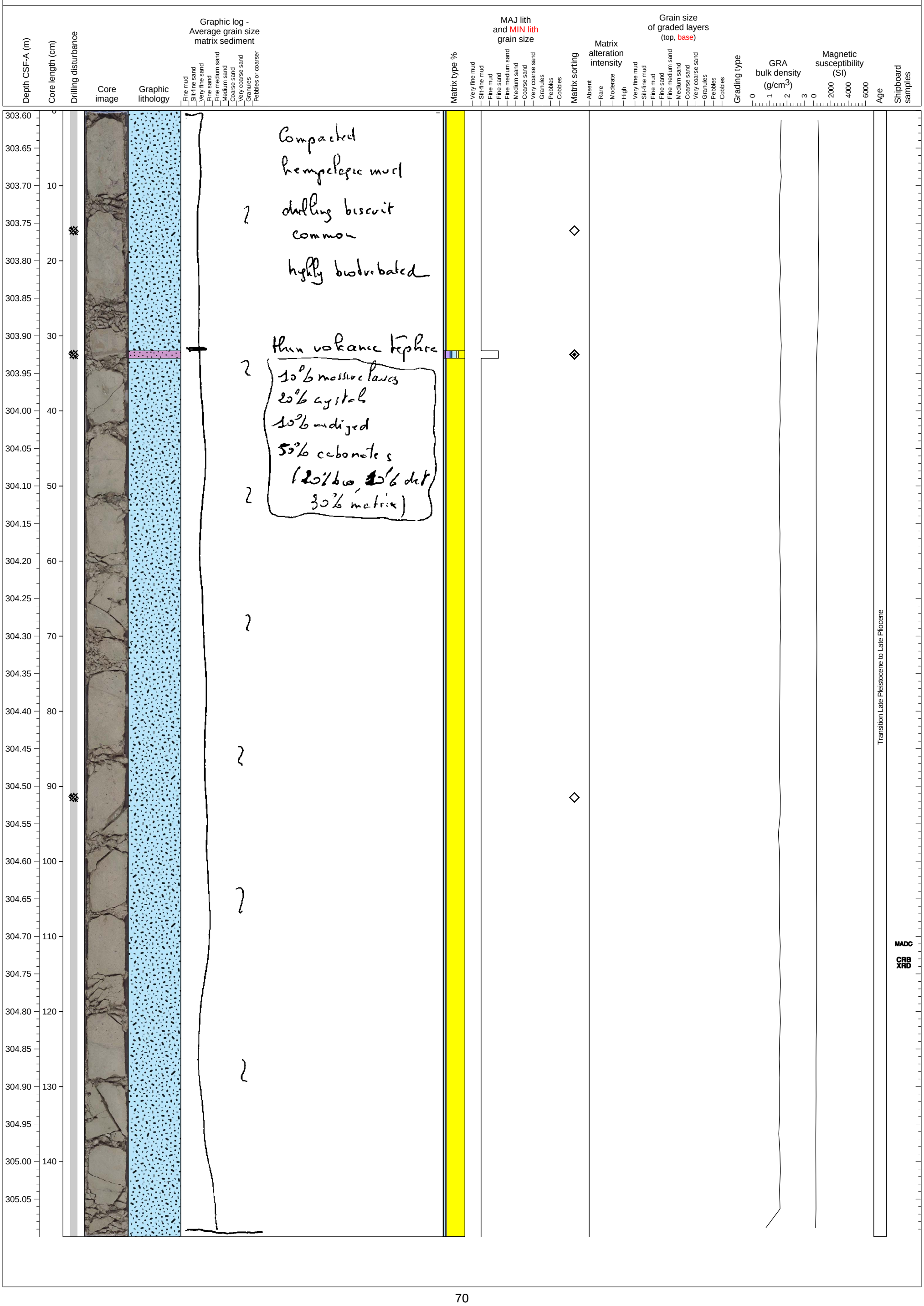
? drilling biscuit common

? ? ? ?

Transition Late Pleistocene to Late Pliocene

Hole 340-U1400C-36X Section 2, Top of Section: 303.6 CSF-A (m)

Consolidated hemipelagic sediment withh thin volcanic sand layer



Hole 340-U1400C-36X Section 3, Top of Section: 305.1 CSF-A (m)

Consolidated hemipelagic sediment with volcaniclastic sand layer

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

305.10
305.15
305.20
305.25
305.30
305.35
305.40
305.45
305.50
305.55
305.60
305.65
305.70
305.75
305.80
305.85
305.90
305.95
306.00
306.05
306.10
306.15
306.20
306.25
306.30
306.35
306.40
306.45
306.50
306.55

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

Highly compacted hemipelagic mud bioturbated the whole section

Drilling biscuit common

highly fractured by drilling

volcanic sand
5% lava, 15% calcital
5% clay
75% carbonate

WR

Transition Late Pleistocene to Late Pliocene

IW

Hole 340-U1400C-36X Section 4, Top of Section: 306.6 CSF-A (m)

Partly lithified mudstone, shattered by drilling, and a mixed mudstone/volcaniclastic sandstone.

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

306.60
306.65
306.70
306.75
306.80
306.85
306.90
306.95
307.00
307.05
307.10
307.15
307.20
307.25
307.30
307.35
307.40
307.45
307.50
307.55
307.60
307.65
307.70
307.75
307.80
307.85
307.90
307.95
308.00
308.05

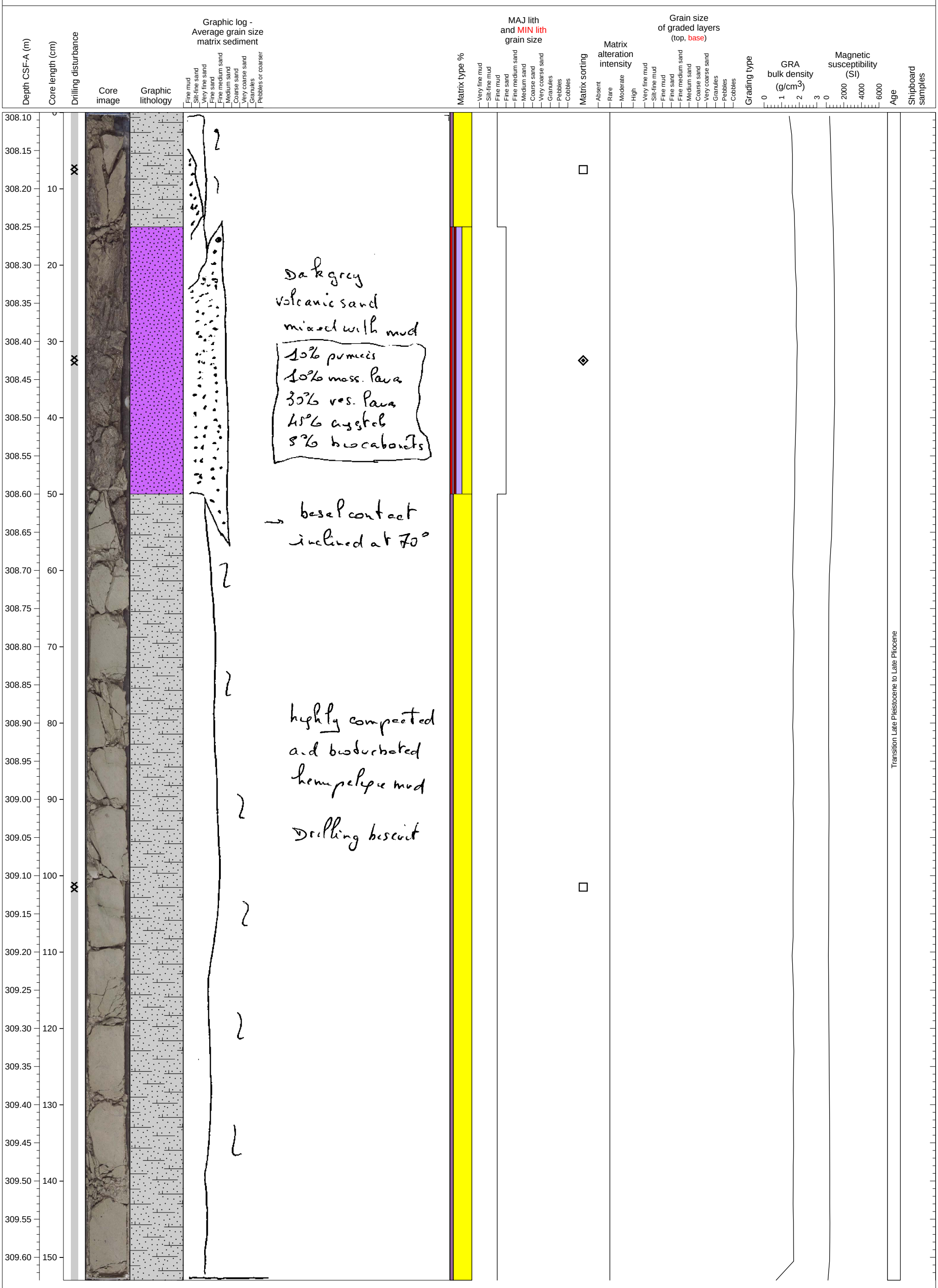
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

Whole section
highly compacted and bioturbated hemipelagic mud
Frequent drilling biscuit –

HS
Transition Late Pleistocene to Late Pliocene
PMG

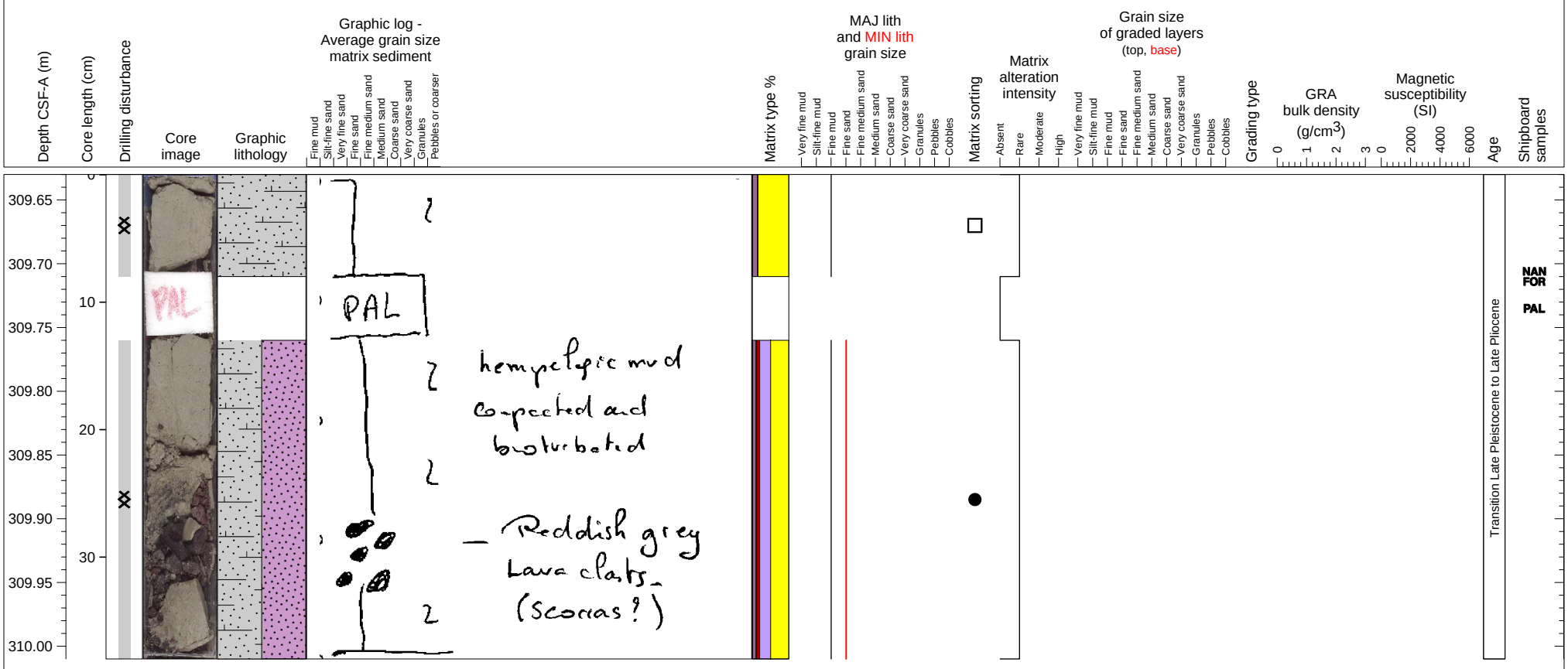
Hole 340-U1400C-36X Section 5, Top of Section: 308.1 CSF-A (m)

Partly lithified mudstone, shattered by drilling, with a volcanic sand (ash?) intebedded.



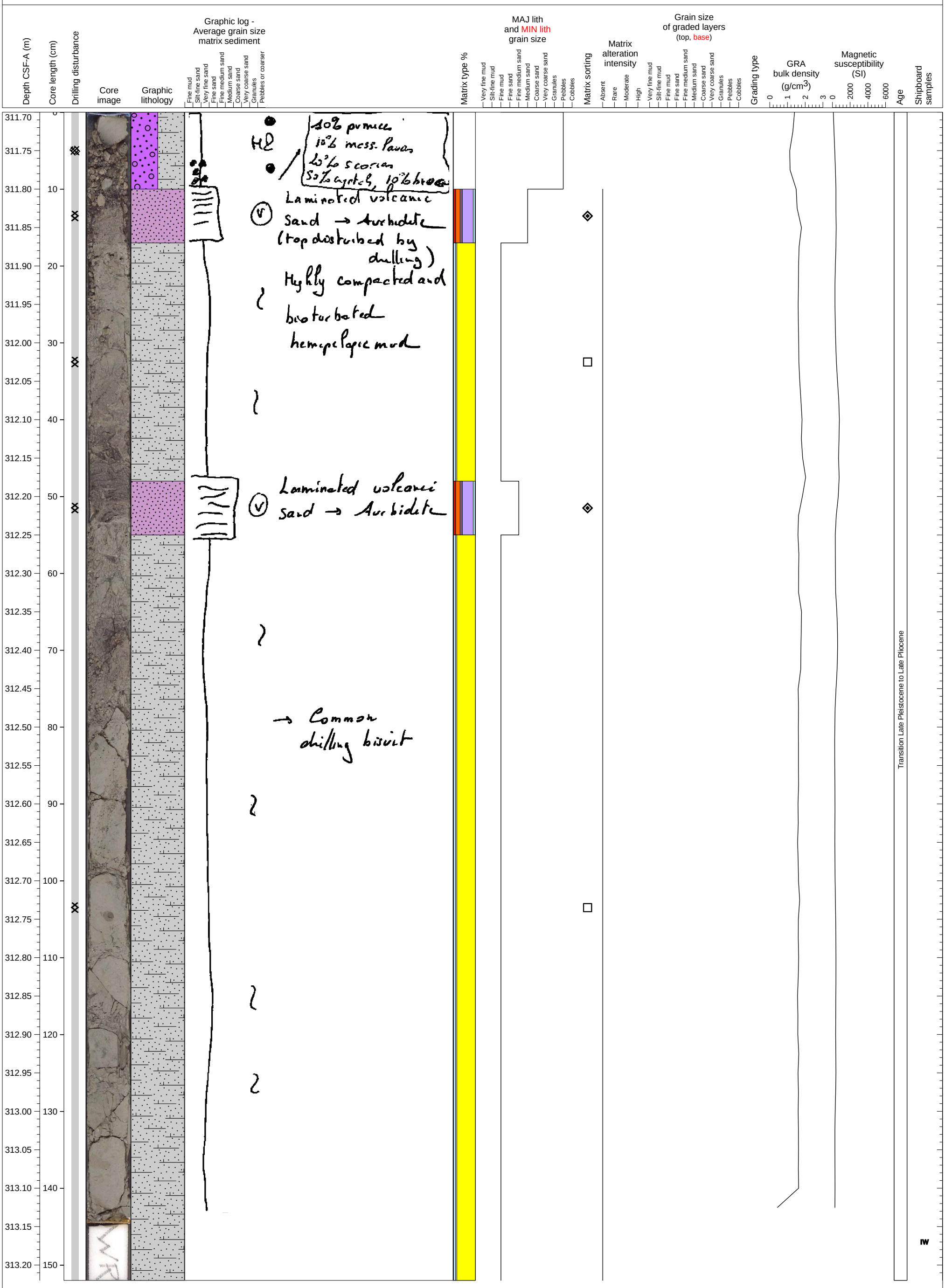
Hole 340-U1400C-36X Section CC, Top of Section: 309.63 CSF-A (m)

Partly lithified mudstone, shattered by drilling, and a mixed mudstone/volcaniclastic sandstone.



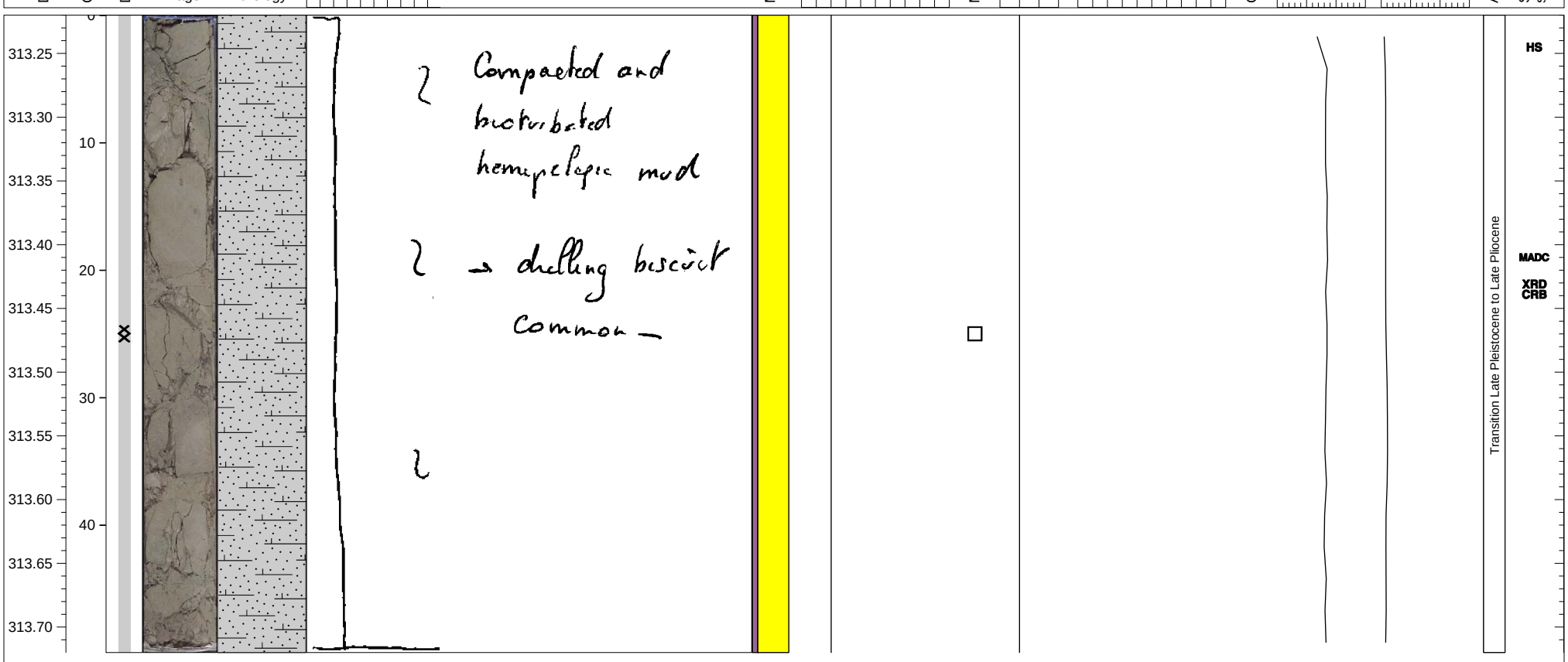
Hole 340-U1400C-37X Section 1, Top of Section: 311.7 CSF-A (m)

Consolidated hemipelagic mud with thin turbidites.



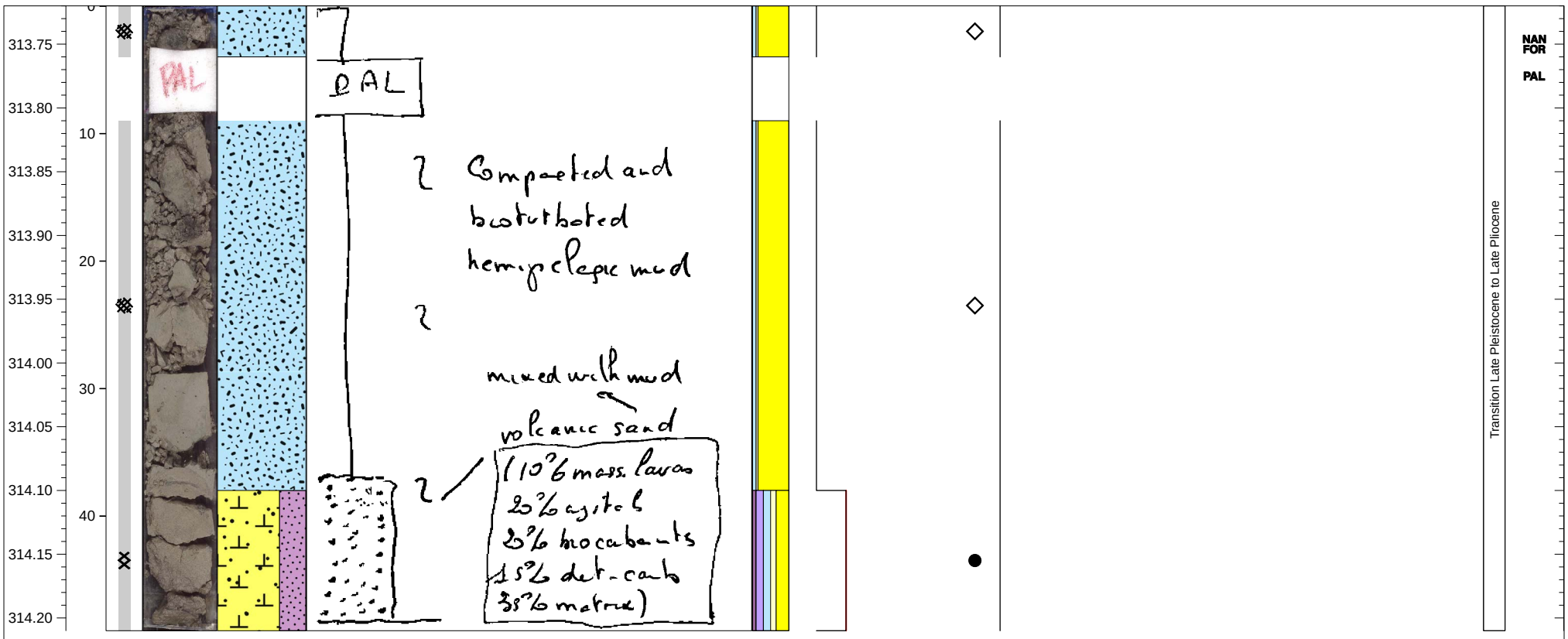
Hole 340-U1400C-37X Section 2, Top of Section: 313.22 CSF-A (m)

Partly lithified mudstone. Shattered by drilling.



Hole 340-U1400C-37X Section CC, Top of Section: 313.72 CSF-A (m)

Consolidated hemipelagic sediment with mixed bioclastic and volcaniclastic sand



Hole 340-U1400C-38X Section 1, Top of Section: 320.9 CSF-A (m)

Consolidated 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/cm3)
0
1
2
3
Magnetic susceptibility (SI)
0
2000
4000
6000
Age
Shipboard samples

320.90
320.95
321.00
321.05
321.10
321.15
321.20
321.25
321.30
321.35
321.40
321.45
321.50
321.55
321.60
321.65
321.70
321.75
321.80
321.85
321.90
321.95
322.00
322.05
322.10
322.15
322.20
322.25
322.30
322.35

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

whole section

Compacted hemipelagic mud

highly bioturbated and fracturated by drilling

Late Pliocene

MADC
CRB XRD

Hole 340-U1400C-38X Section 2, Top of Section: 322.4 CSF-A (m)

Partly lithified mudstone. Shattered by drilling.

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

322.40 – 322.65 – 322.90 – 323.15 – 323.40 – 323.85
0 – 10 – 20 – 30 – 40 – 50 – 60 – 70 – 80 – 90 – 100 – 110 – 120 – 130 – 140

Compacted and highly bioturbated hemipelagic mud

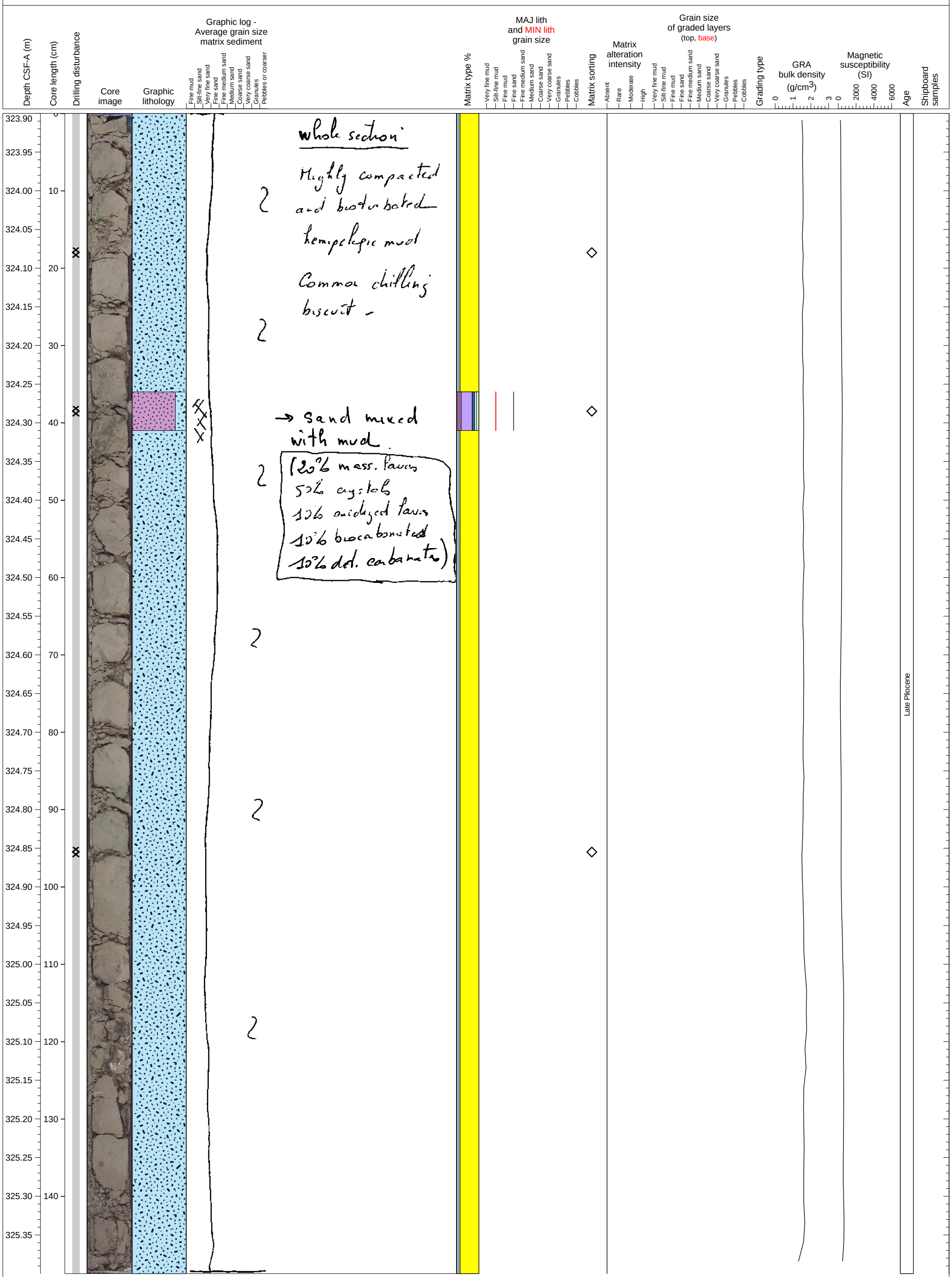
whole section

drilling biscuit fragment.

Late Pliocene

Hole 340-U1400C-38X Section 3, Top of Section: 323.9 CSF-A (m)

Consolidated hemipelagic sediment with intercalated volcaniclastic sand layer, highly bioturbated



Hole 340-U1400C-38X Section 4, Top of Section: 325.4 CSF-A (m)

Partly lithified mudstone, shattered by drilling, with a volcanic sand (ash?) intebedded.

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

325.40
325.45
325.50
325.55
325.60
325.65
325.70
325.75
325.80
325.85
325.90
325.95
326.00
326.05
326.10
326.15
326.20
326.25
326.30
326.35
326.40
326.45
326.50
326.55
326.60
326.65
326.70
326.75
326.80
326.85

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

whole section
Highly compacted and bioturbated hemipelagic mud
→ drilling biscuit frequent
volcanic sand mixed with mud but layer inclined at 50° (?)

Late Pliocene
PMG

Hole 340-U1400C-38X Section 5, Top of Section: 326.9 CSF-A (m)

Consolidated hemipelaagic sedment

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

whole section

? Compacted and bioturbated hemipelagic mud

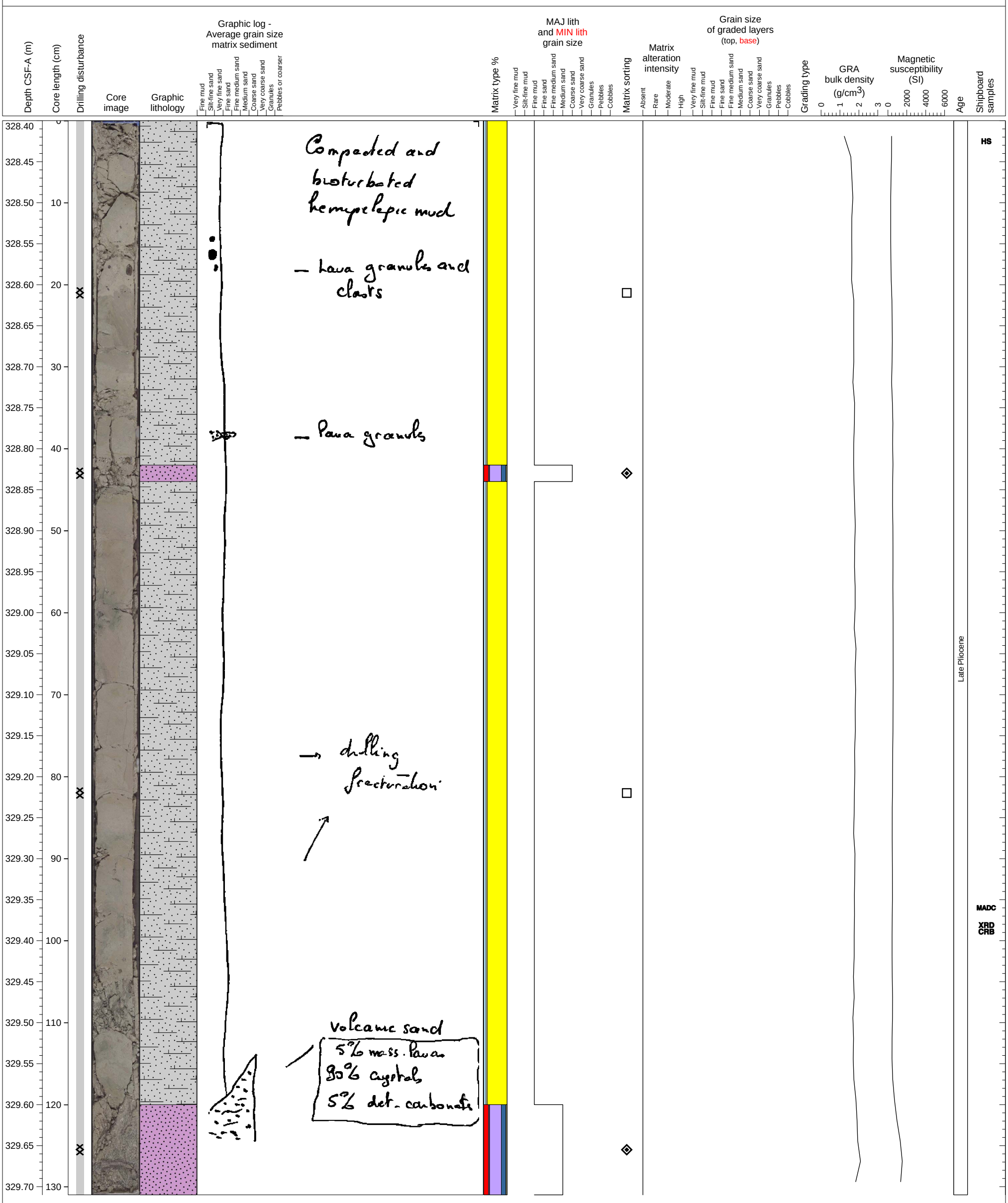
Common drilling biscuit

Late Pliocene

IW

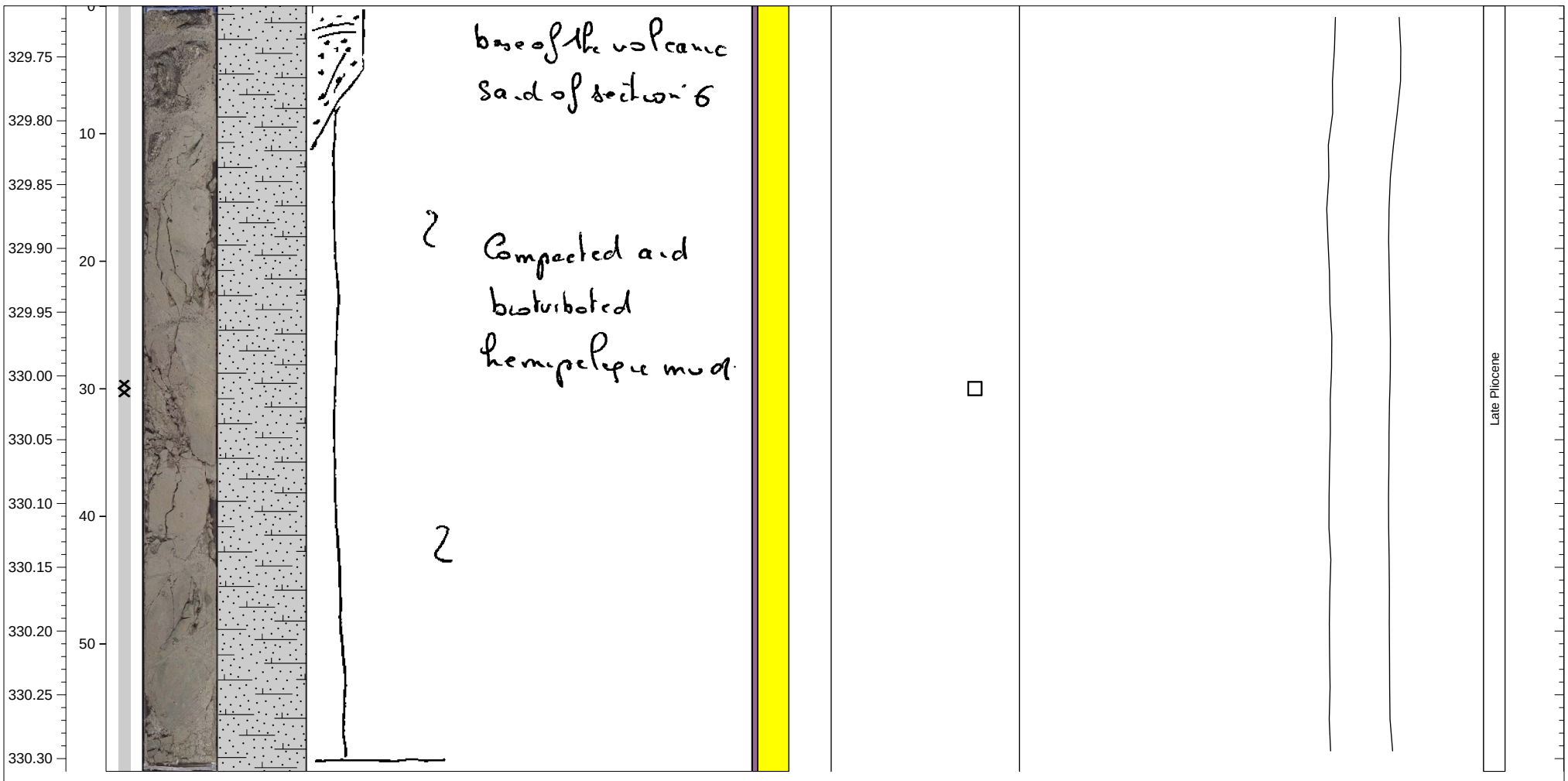
Hole 340-U1400C-38X Section 6, Top of Section: 328.4 CSF-A (m)

Consolidated hemipelagic mud with thin turbidites.



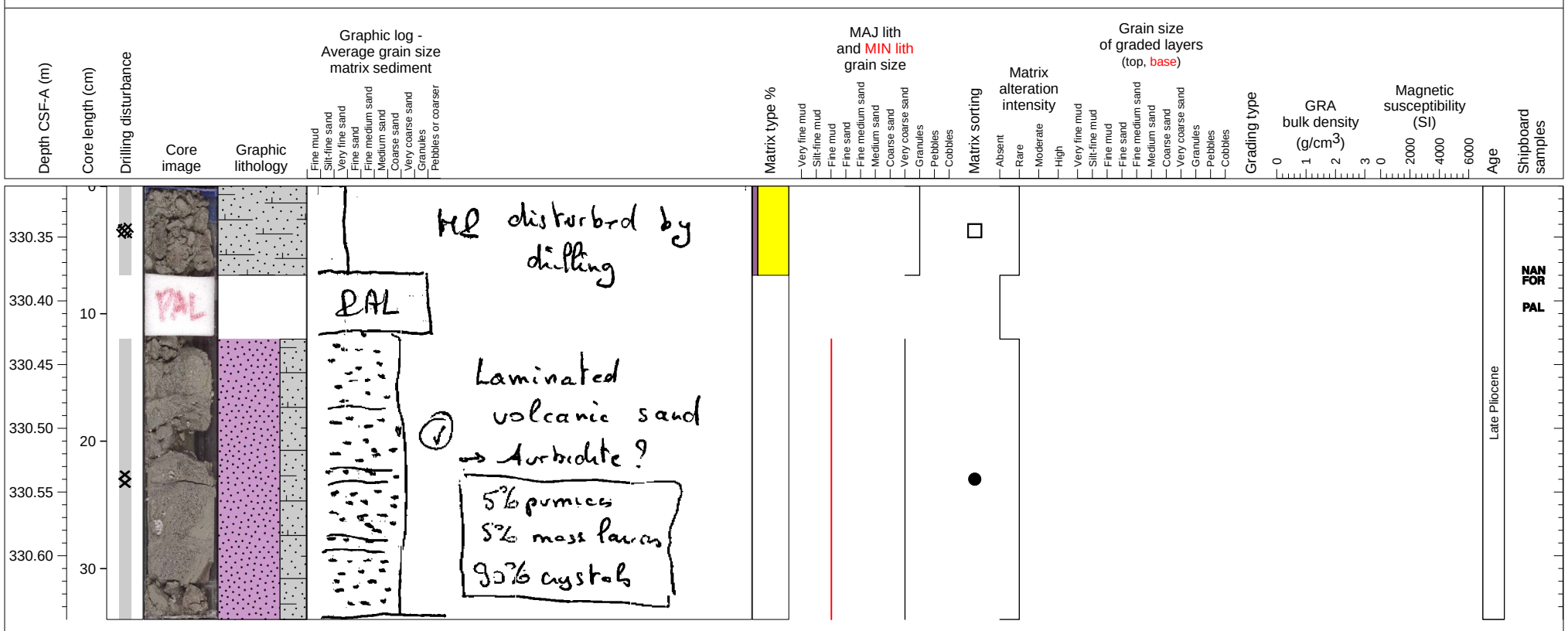
Hole 340-U1400C-38X Section 7, Top of Section: 329.71 CSF-A (m)

Partly lithified mudstone. Shattered by drilling.



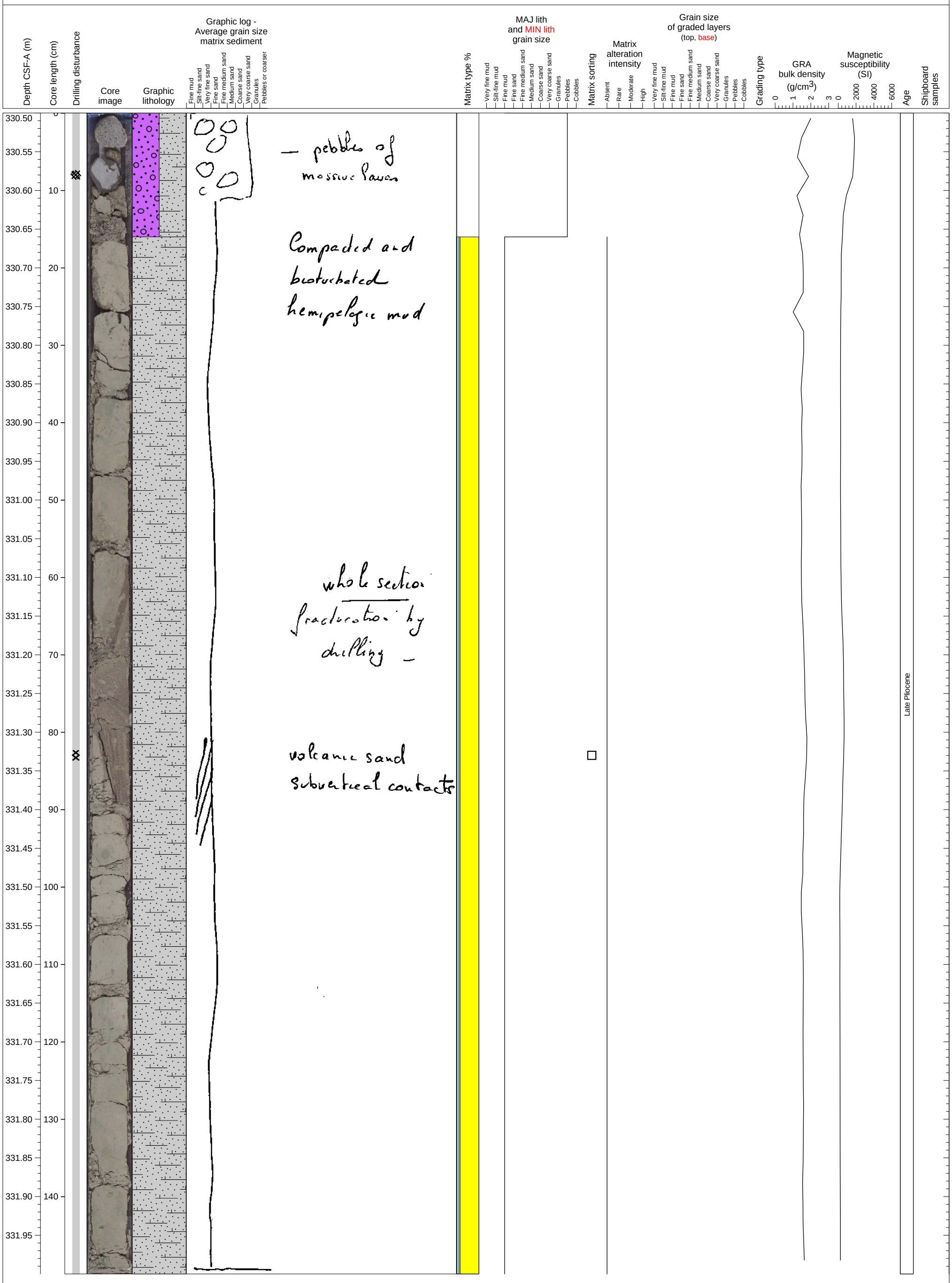
Hole 340-U1400C-38X Section CC, Top of Section: 330.31 CSF-A (m)

Partly lithified mudstone, shattered by drilling, and a mixed mudstone/volcaniclastic sandstone.



Hole 340-U1400C-39X Section 1, Top of Section: 330.5 CSF-A (m)

Consolidated hemipelagic mud



Hole 340-U1400C-39X Section 2, Top of Section: 332.0 CSF-A (m)

Consolidated 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)
Magnetic susceptibility (SI)
Age
Shipboard samples

Compacted and bioturbated hemipelagic mud whole section

- Subvertical layers in the sediment

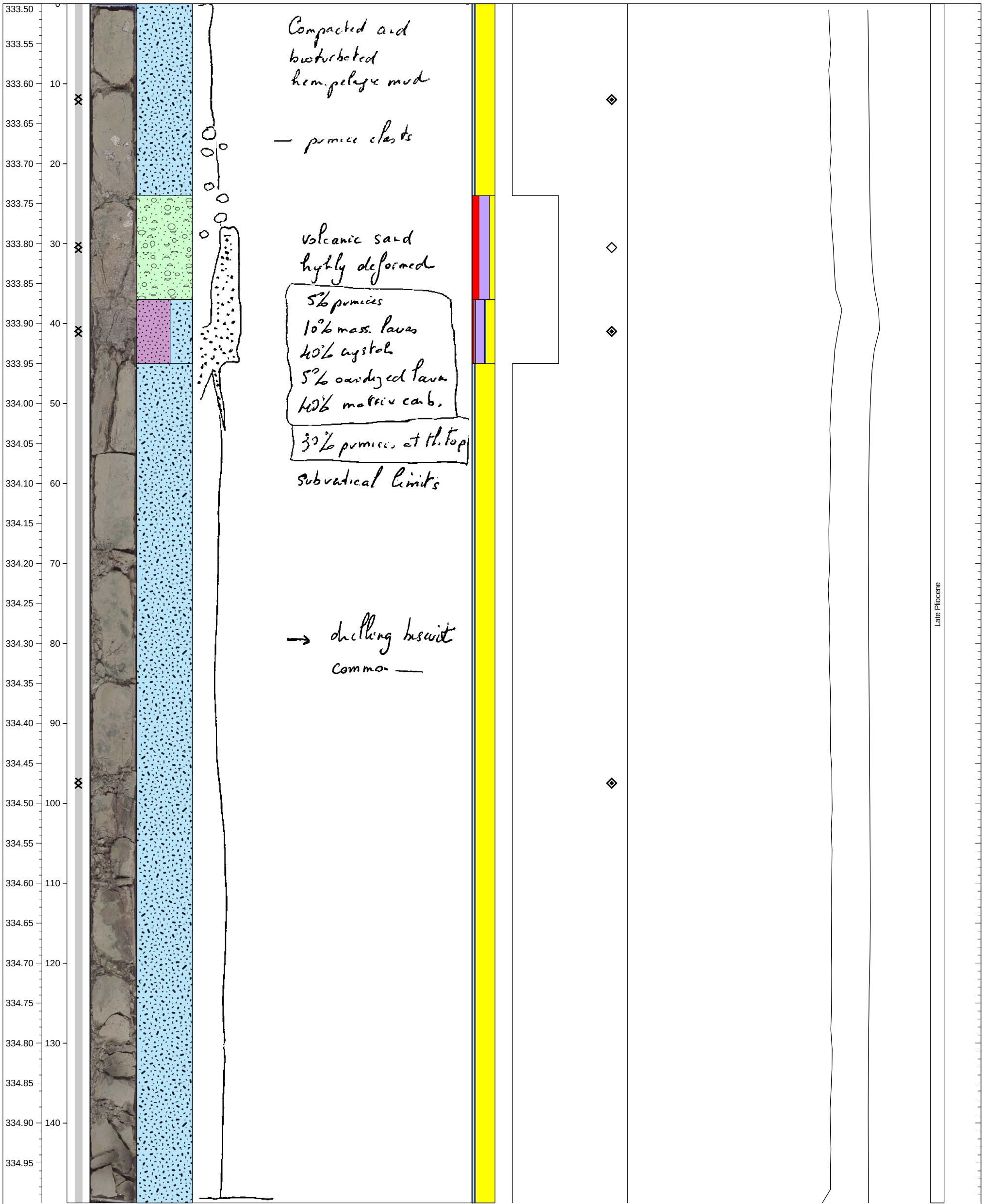
→ drilling biscuit

Late Pliocene

MADC
CRB XRD
PMG

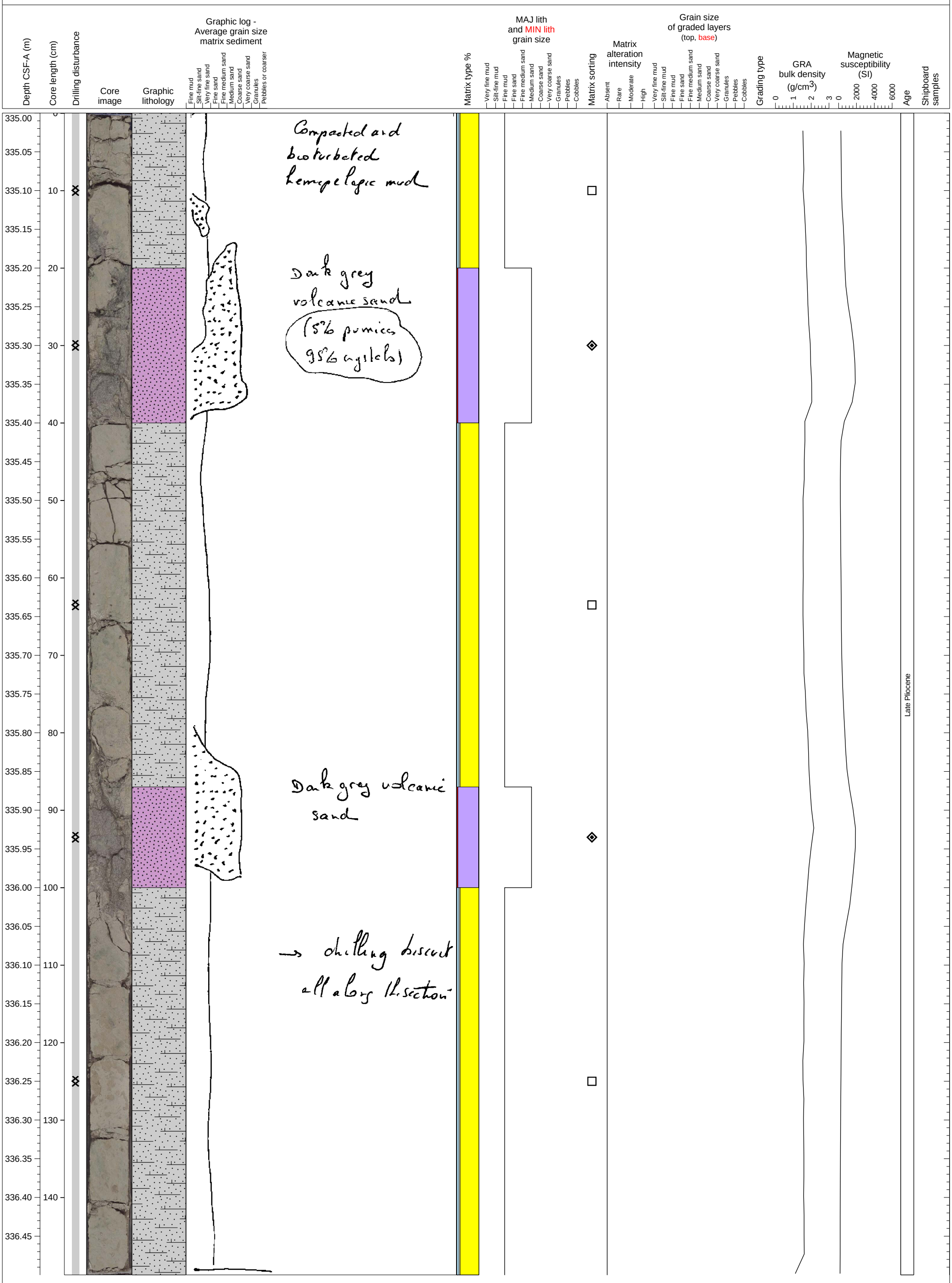
Hole 340-U1400C-39X Section 3, Top of Section: 333.5 CSF-A (m)

Consolidated hemipelagic sediment with mixtures of hemipelagite and volcaniclastics



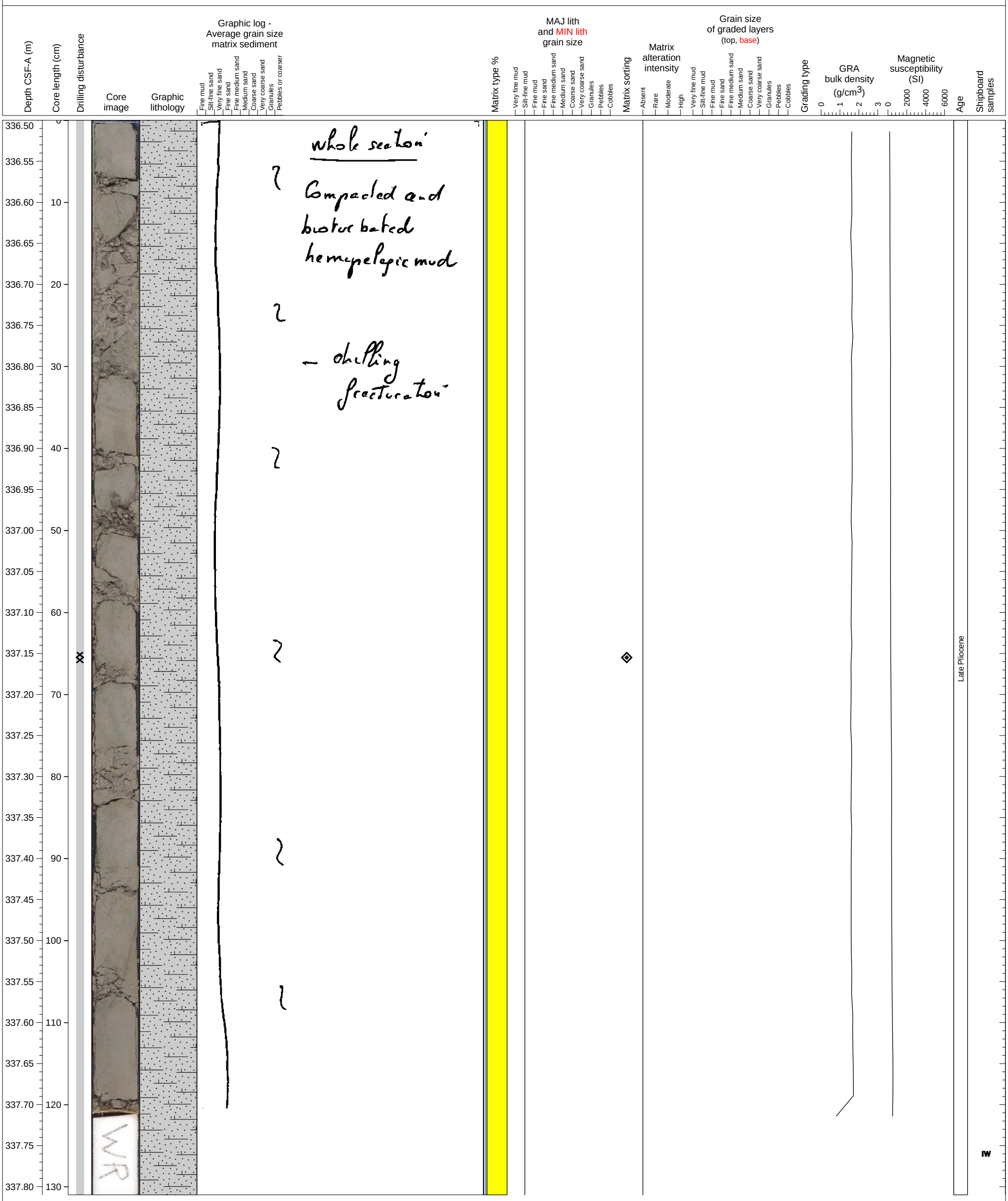
Hole 340-U1400C-39X Section 4, Top of Section: 335.0 CSF-A (m)

Consolidated hemipelagic mud with thin turbidites.



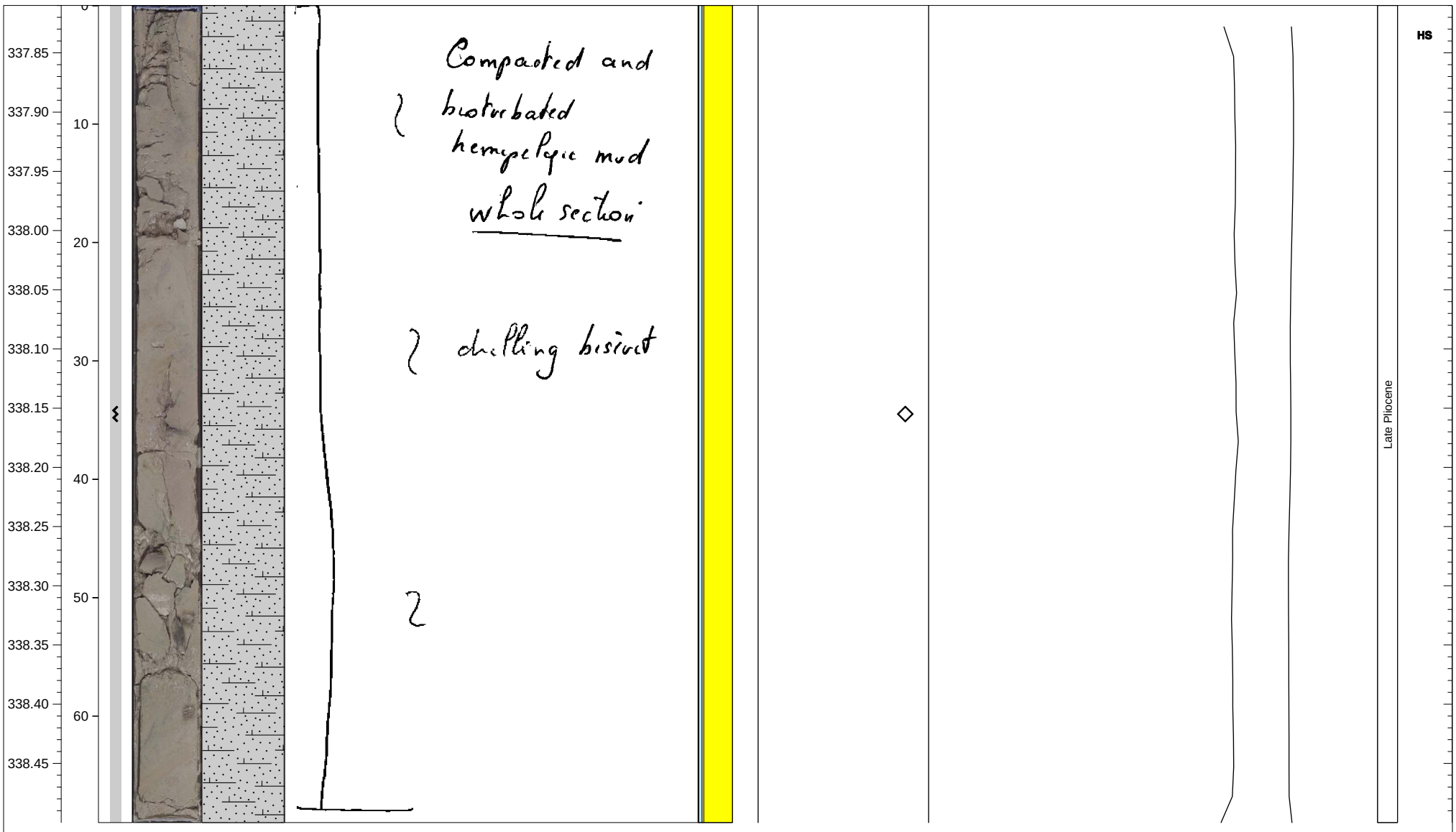
Hole 340-U1400C-39X Section 5, Top of Section: 336.5 CSF-A (m)

Consolidated hemipelagic mud



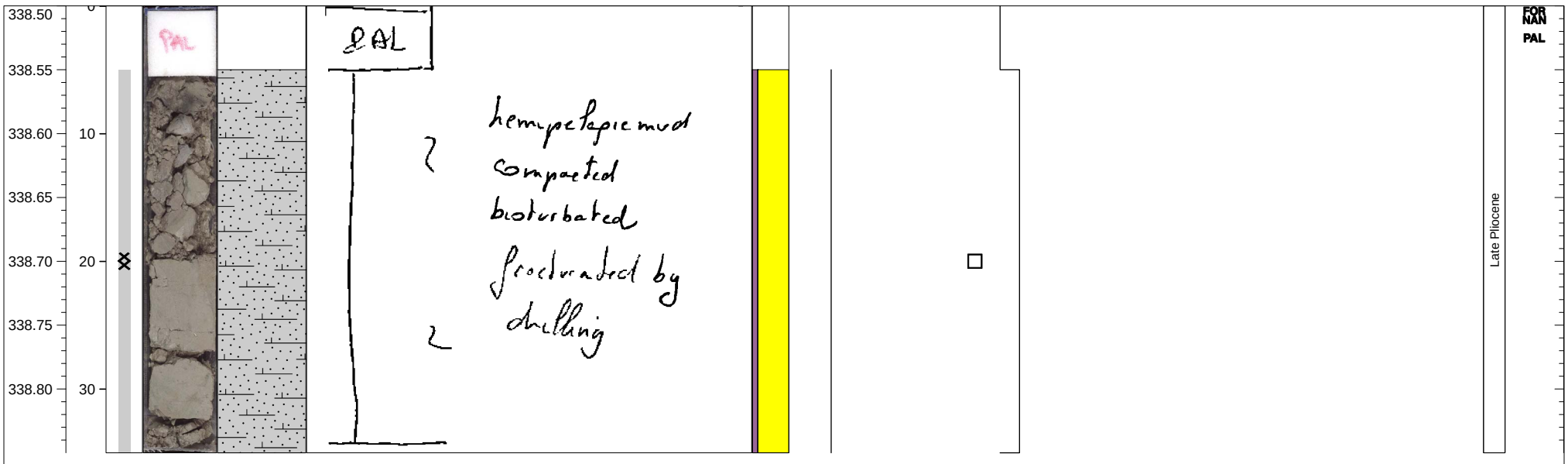
Hole 340-U1400C-39X Section 6, Top of Section: 337.81 CSF-A (m)

Consolidated hemipelagic mud



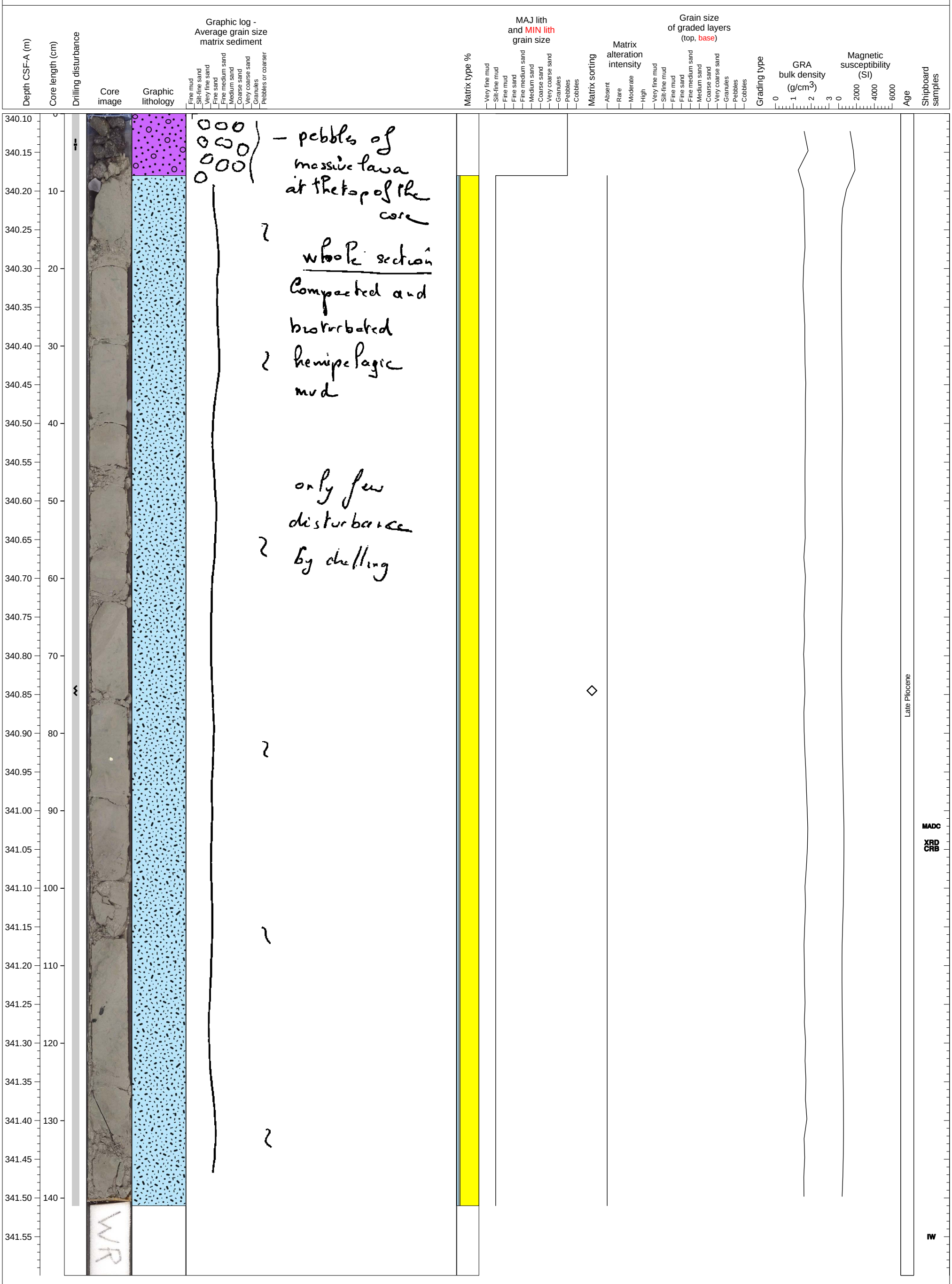
Hole 340-U1400C-39X Section CC, Top of Section: 338.5 CSF-A (m)

Partly lithified mudstone. Shattered by drilling.



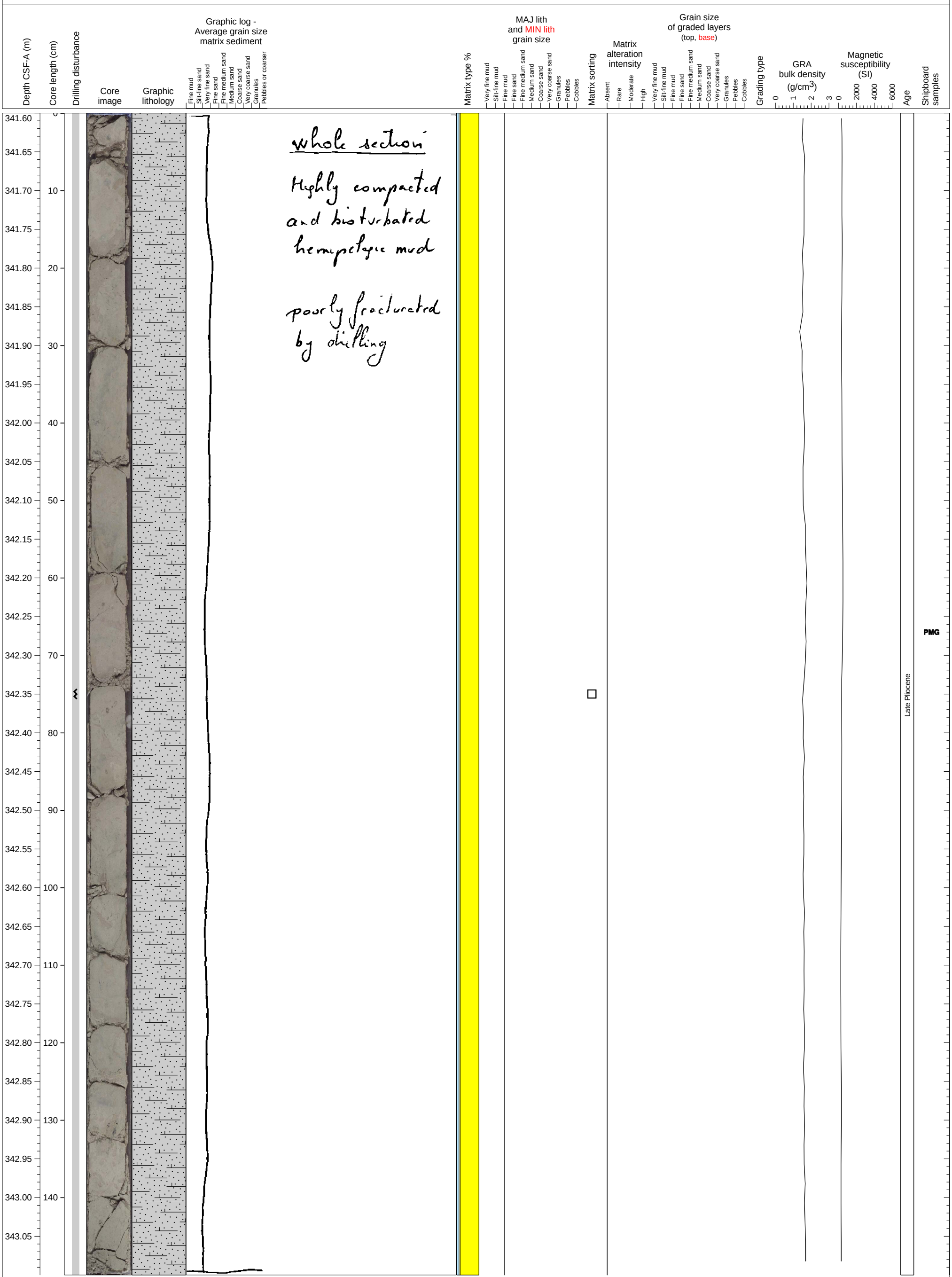
Hole 340-U1400C-40X Section 1, Top of Section: 340.1 CSF-A (m)

Consolidated hemipelagic sediment with pebbly massive lava clasts at the top



Hole 340-U1400C-40X Section 2, Top of Section: 341.6 CSF-A (m)

Consolidated hemipelagic mud



Hole 340-U1400C-40X Section 3, Top of Section: 343.1 CSF-A (m)

Consolidated 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/cm3)
Magnetic susceptibility (SI)
Age
Shipboard samples

343.10 – 0
343.15
343.20 – 10
343.25
343.30 – 20
343.35
343.40 – 30
343.45
343.50 – 40
343.55
343.60 – 50
343.65
343.70 – 60
343.75
343.80 – 70
343.85
343.90 – 80
343.95
344.00 – 90
344.05
344.10 – 100
344.15
344.20 – 110
344.25
344.30 – 120
344.35
344.40 – 130
344.45
344.50 – 140

Compacted and bioturbated hemipelagic mud

fractured by drilling

volcani sand
highly disturbed
40% pumice
10% mass. lava
50% crystals

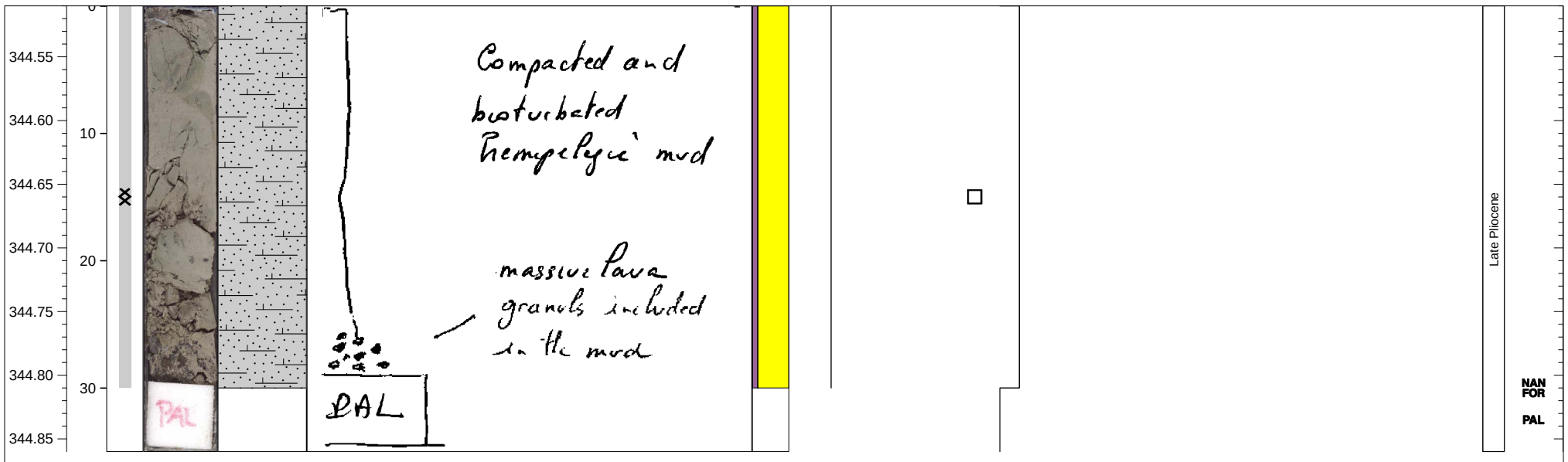
volcanic sand
highly disturbed
5% pumices
10% mass. lava
85% crystals

HS

Late Pliocene

Hole 340-U1400C-40X Section CC, Top of Section: 344.51 CSF-A (m)

Partly lithified mudstone, shattered by drilling, with a few granule-sized massive lava clasts.



Hole 340-U1400C-41X Section 1, Top of Section: 349.7 CSF-A (m)

Consolidated 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/cm3)
Magnetic susceptibility (SI)
Age
Shipboard samples

whole section

Highly compacted and bioturbated hemipelagic mud

frequent drilling biscuit.

: volcanic sand mixed with mud

Late Pliocene

MADC
XRD CRB
IW

Hole 340-U1400C-41X Section 2, Top of Section: 351.2 CSF-A (m)

Consolidated hemipelagic sediment, highly 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

351.20 – 0
351.25
351.30 – 10
351.35
351.40 – 20
351.45
351.50 – 30
351.55
351.60 – 40
351.65
351.70 – 50
351.75
351.80 – 60
351.85
351.90 – 70
351.95
352.00 – 80
352.05
352.10 – 90
352.15
352.20 – 100
352.25
352.30 – 110
352.35
352.40 – 120
352.45
352.50 – 130
352.55
352.60 – 140
352.65

whole section

Compacted hemipelagic mud highly bioturbated and fractured by drilling.

HS

Late Pliocene

PMG

Hole 340-U1400C-41X Section 3, Top of Section: 352.7 CSF-A (m)

Consolidated hemipelagic sediment with intercalated volcanic ash layer, highly 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

352.70
352.75
352.80
352.85
352.90
352.95
353.00
353.05
353.10
353.15
353.20
353.25
353.30
353.35
353.40
353.45
353.50
353.55
353.60
353.65
353.70
353.75
353.80
353.85
353.90
353.95
354.00
354.05

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

whole section

highly compacted and disturbed by drilling, hemipelagic mud

Abundant bioturbations

- shifting biscuit abundant

thin volcanic tephra layer

Late Pliocene

Hole 340-U1400C-41X Section CC, Top of Section: 354.1 CSF-A (m)

Consolidated hemipelagic mud.

Hole 340-U1400C-42X Section 1, Top of Section: 359.3 CSF-A (m)

Consolidated hemipelagic sediment with intercalated volcaniclastic sand layer

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

359.30 – 0
359.35
359.40 – 10
359.45
359.50 – 20
359.55
359.60 – 30
359.65
359.70 – 40
359.75
359.80 – 50
359.85
359.90 – 60
359.95
360.00 – 70
360.05
360.10 – 80
360.15
360.20 – 90
360.25
360.30 – 100
360.35
360.40 – 110
360.45
360.50 – 120
360.55
360.60 – 130
360.65
360.70 – 140
360.75

Mudstone

bioturbation and deformation (inclined beds)

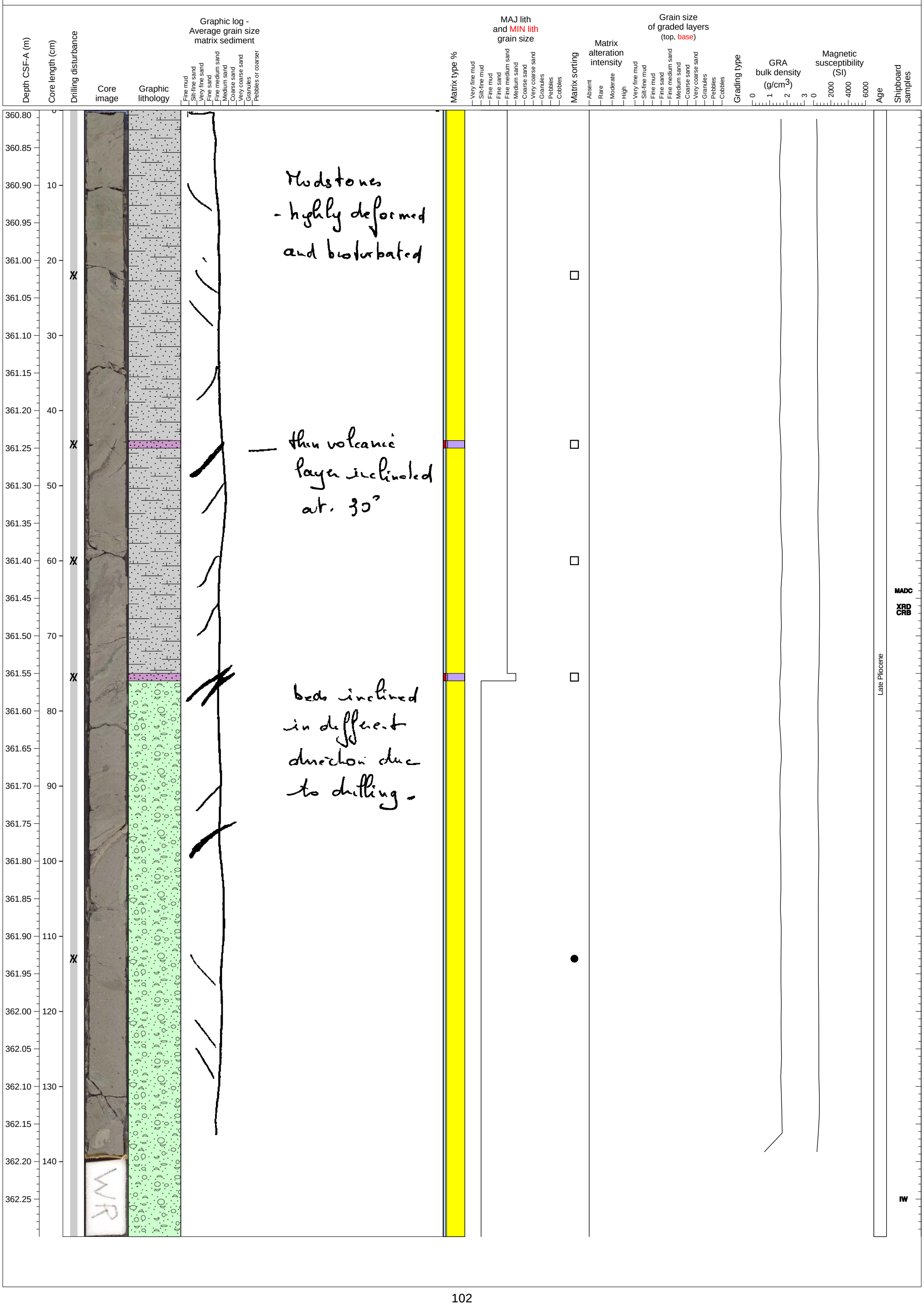
coarse-grained
- volcanic sand mixed with mud

10% pumice
40% mass. lavas
40% crystals
10% det. carbonates

Late Pliocene

Hole 340-U1400C-42X Section 2, Top of Section: 360.8 CSF-A (m)

Bioturbated, hemipelagite.



Hole 340-U1400C-42X Section 3, Top of Section: 362.3 CSF-A (m)

Consolidated hemipelagic sediment with intercalated volcanic sand layer

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

362.30 0
362.35
362.40 10
362.45
362.50 20
362.55
362.60 30
362.65
362.70 40
362.75
362.80 50
362.85
362.90 60
362.95
363.00 70
363.05
363.10 80
363.15
363.20 90
363.25
363.30 100
363.35
363.40 110
363.45
363.50 120
363.55
363.60 130

Deformed mudstone inclined at 40 to 55°.

Drilling disturbance => drilling biscuit

=> beds and layers inclined in different direction

g
g

volcanic sand tephra layer

Contact inclined at 55°

30% pumice
20% mass. lavas
80% crystals

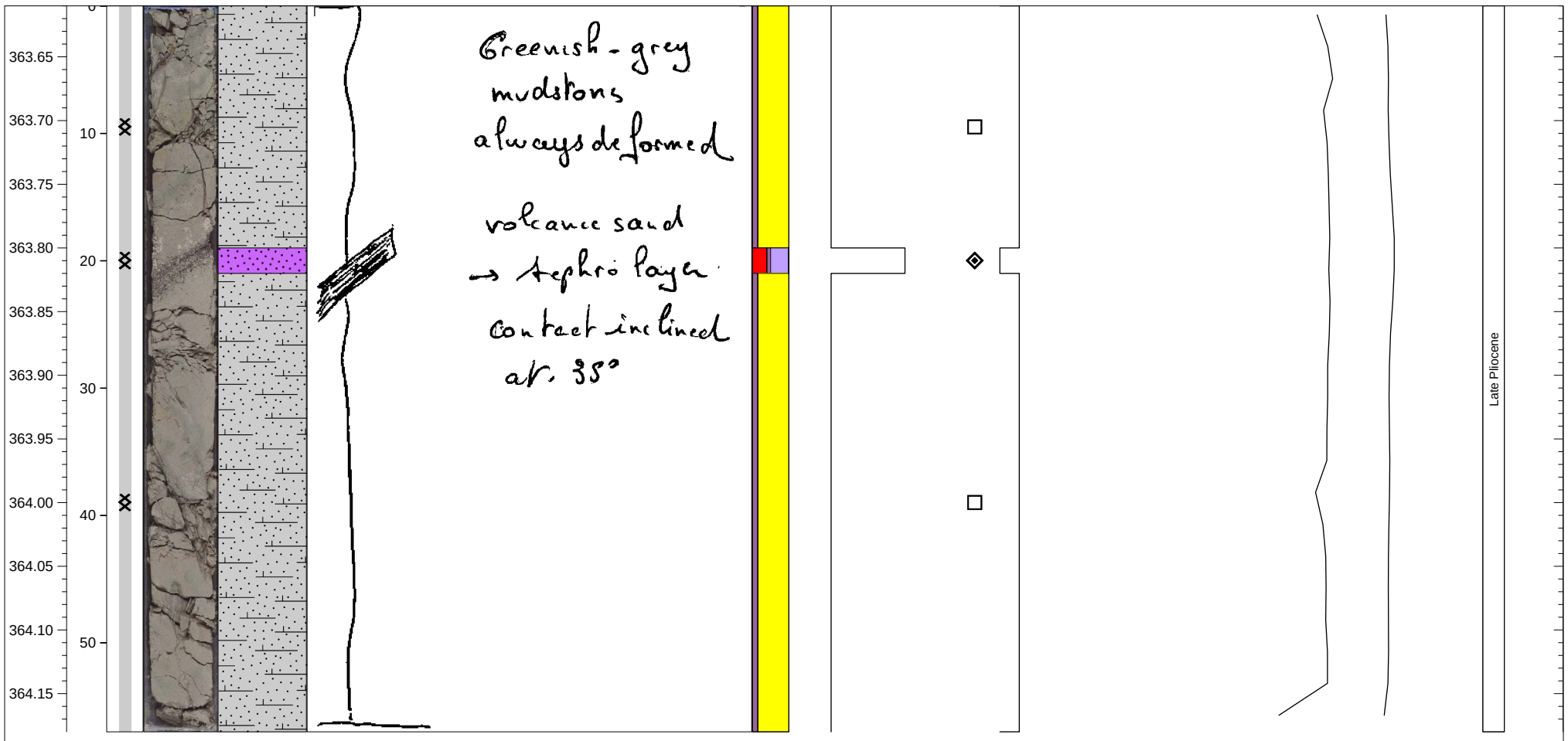
HS

PMG

Late Pliocene

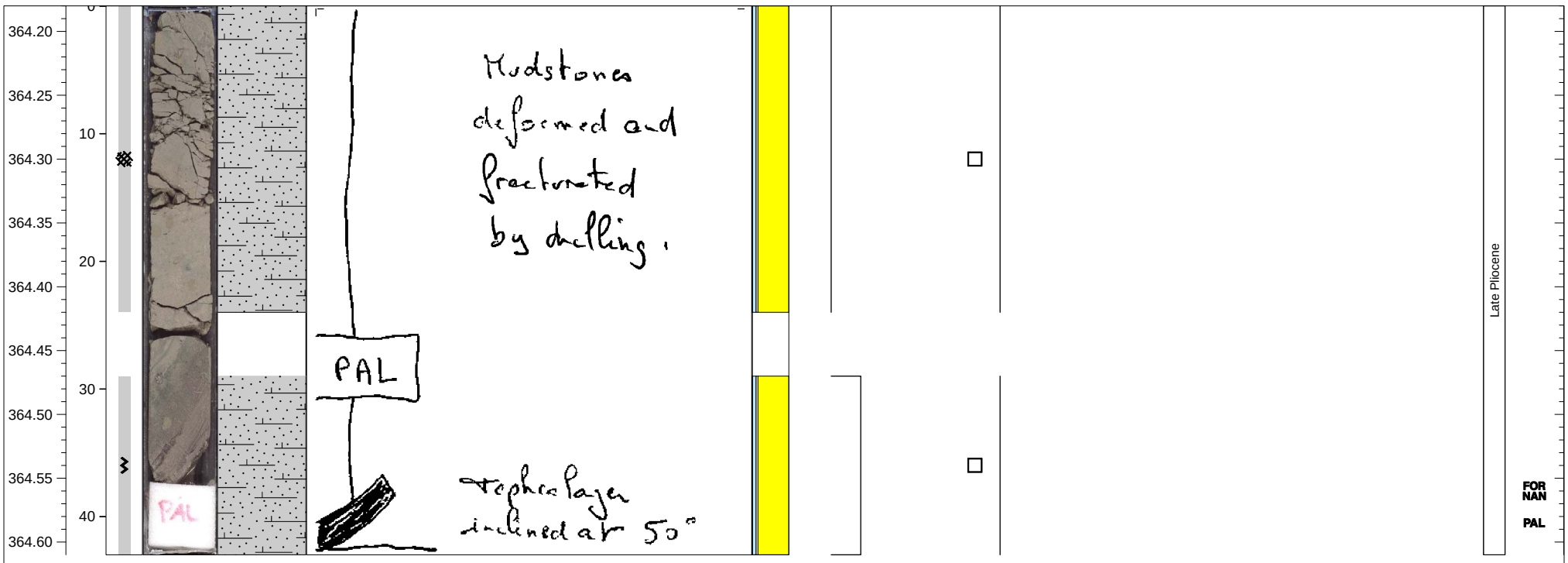
Hole 340-U1400C-42X Section 4, Top of Section: 363.61 CSF-A (m)

Partly lithified mudstone, shattered by drilling, with a pumice-rich ash.



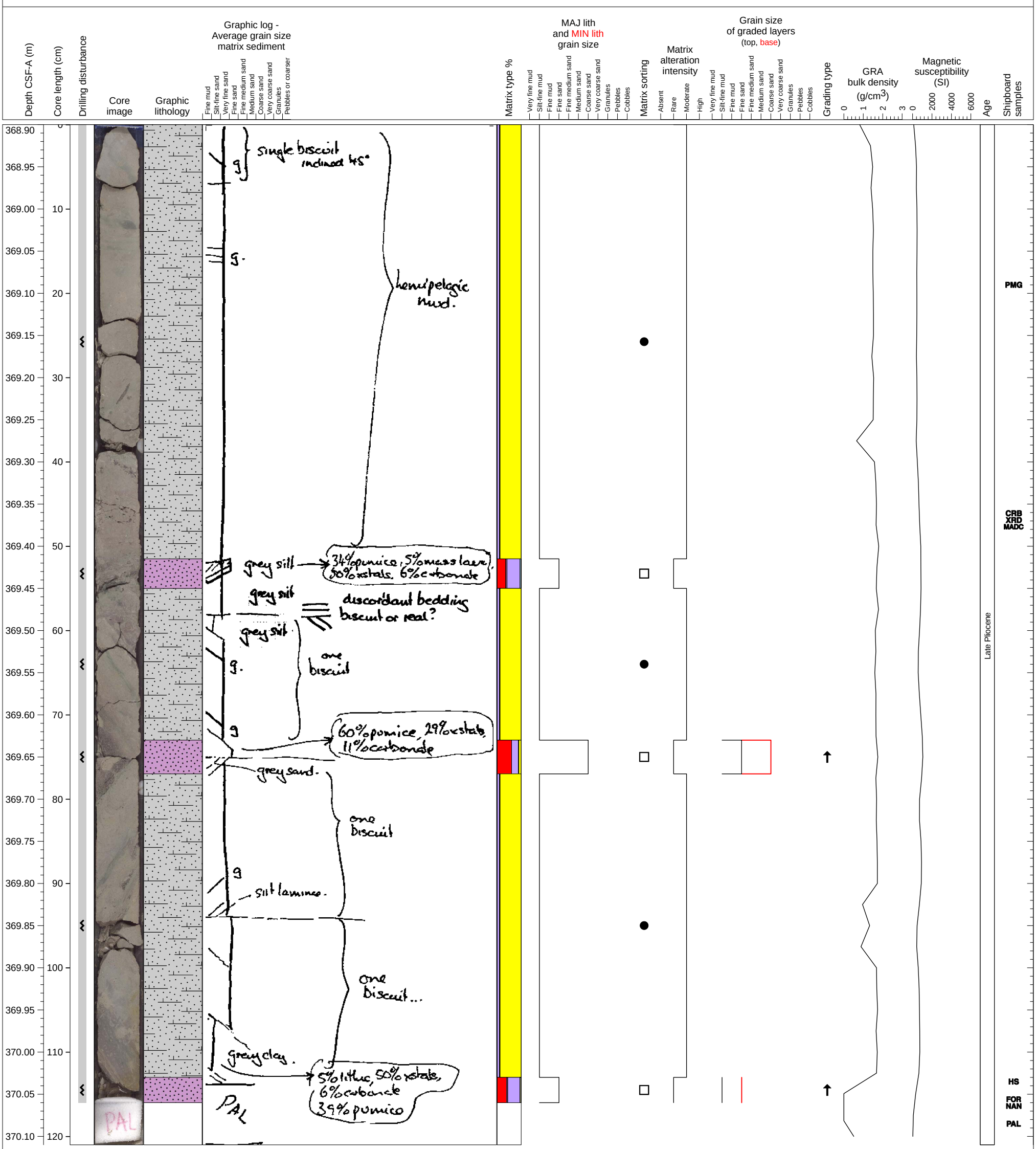
Hole 340-U1400C-42X Section CC, Top of Section: 364.18 CSF-A (m)

Bioturbated, hemipelagite.



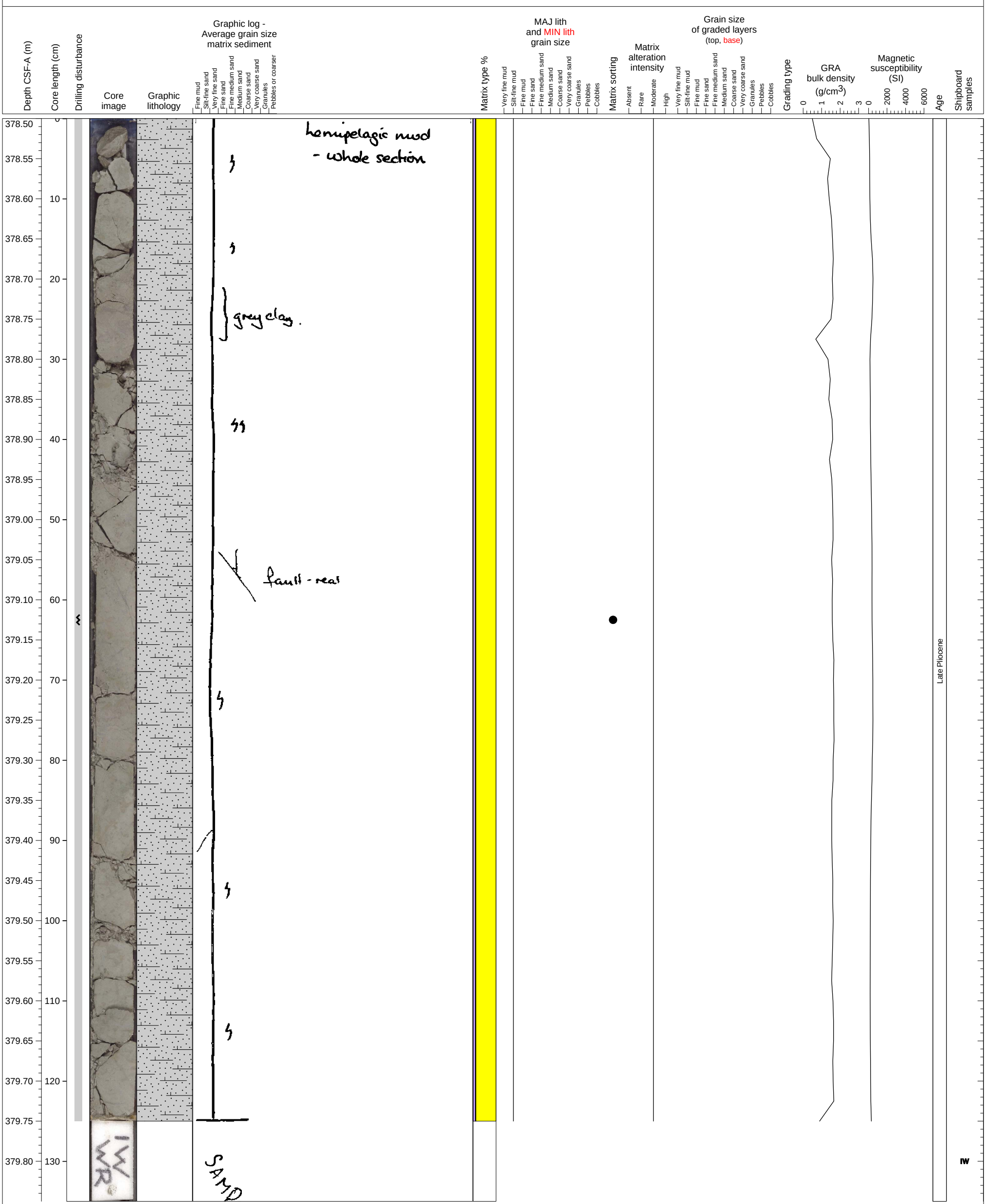
Hole 340-U1400C-43X Section 1, Top of Section: 368.9 CSF-A (m)

Inclined mudstone interlayered with volcaniclastic sand stones.



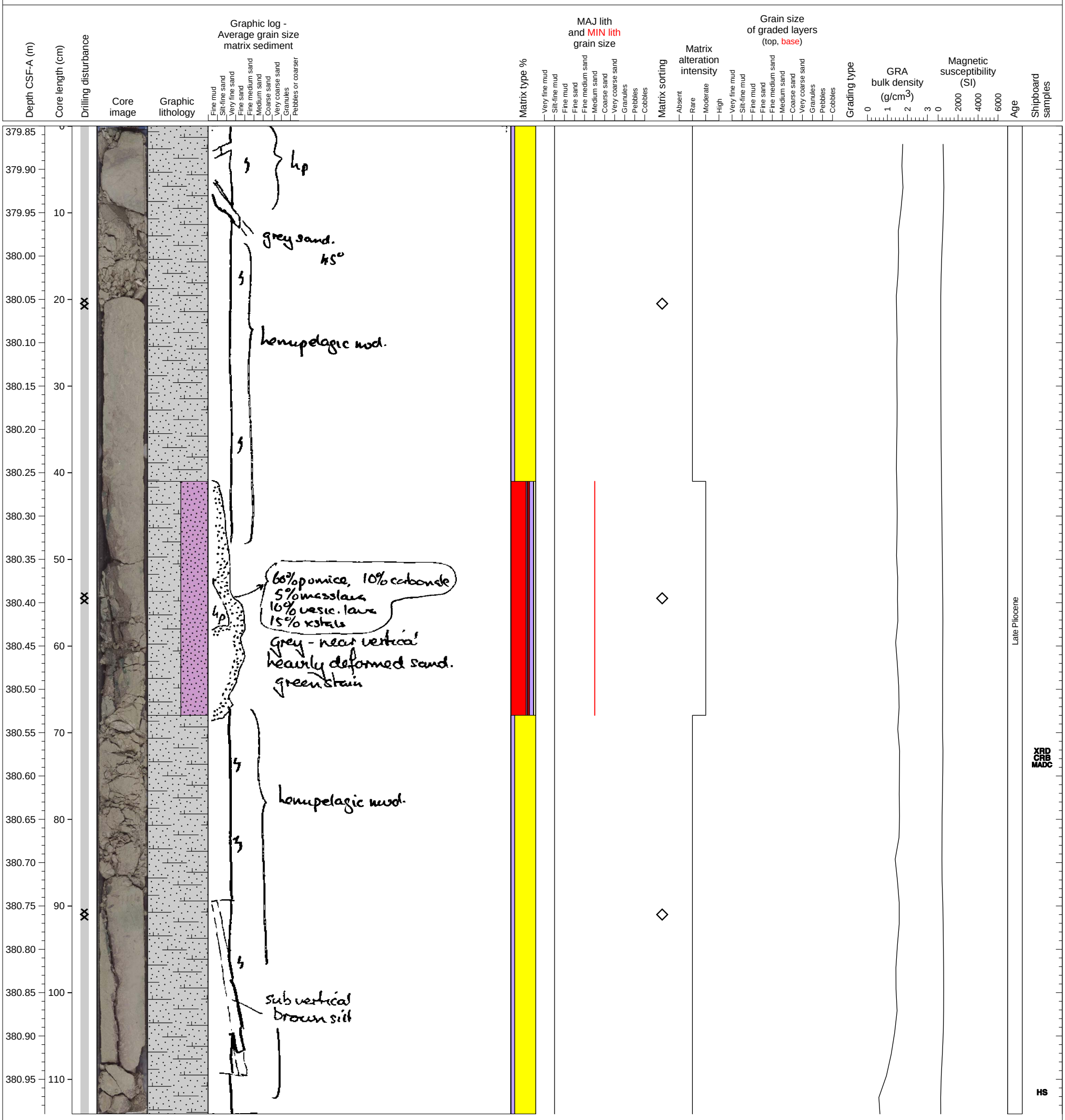
Hole 340-U1400C-44X Section 1, Top of Section: 378.5 CSF-A (m)

Mudstone heavily bioturbated.



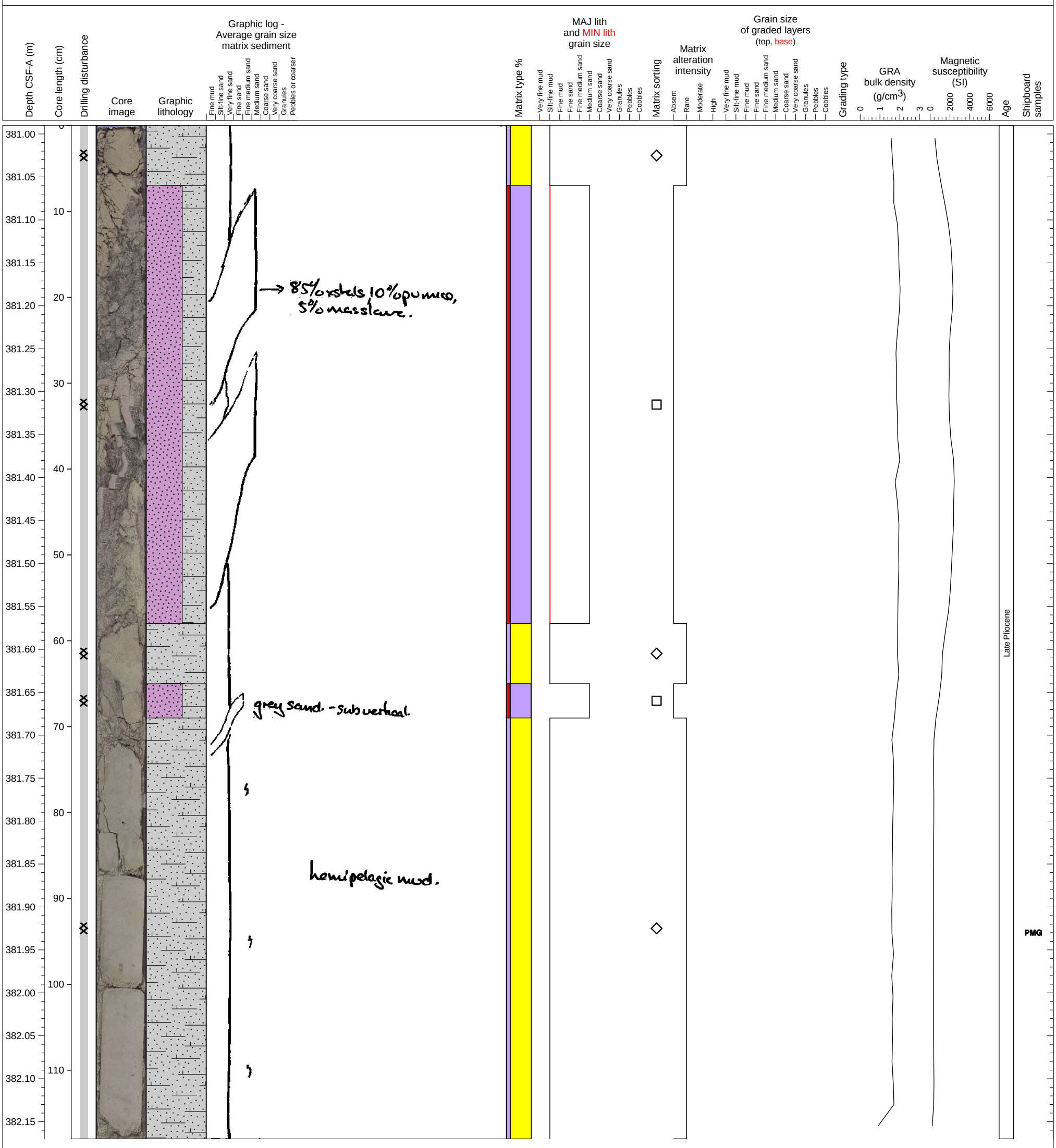
Hole 340-U1400C-44X Section 2, Top of Section: 379.85 CSF-A (m)

Mudstone with a mixed mudstone/volcaniclastic sandstone layer. The mixture bedding in the layer is near vertical.



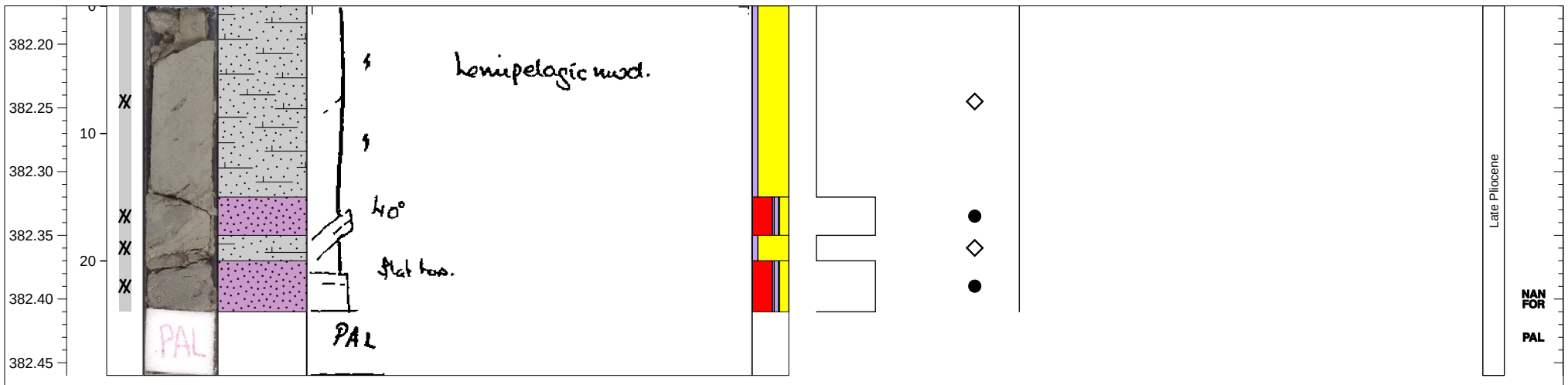
Hole 340-U1400C-44X Section 3, Top of Section: 380.99 CSF-A (m)

Mudstone interlayered with a mixed volcaniclastic sandsotne/mudtone. The mixing surface is vertical or twisted.



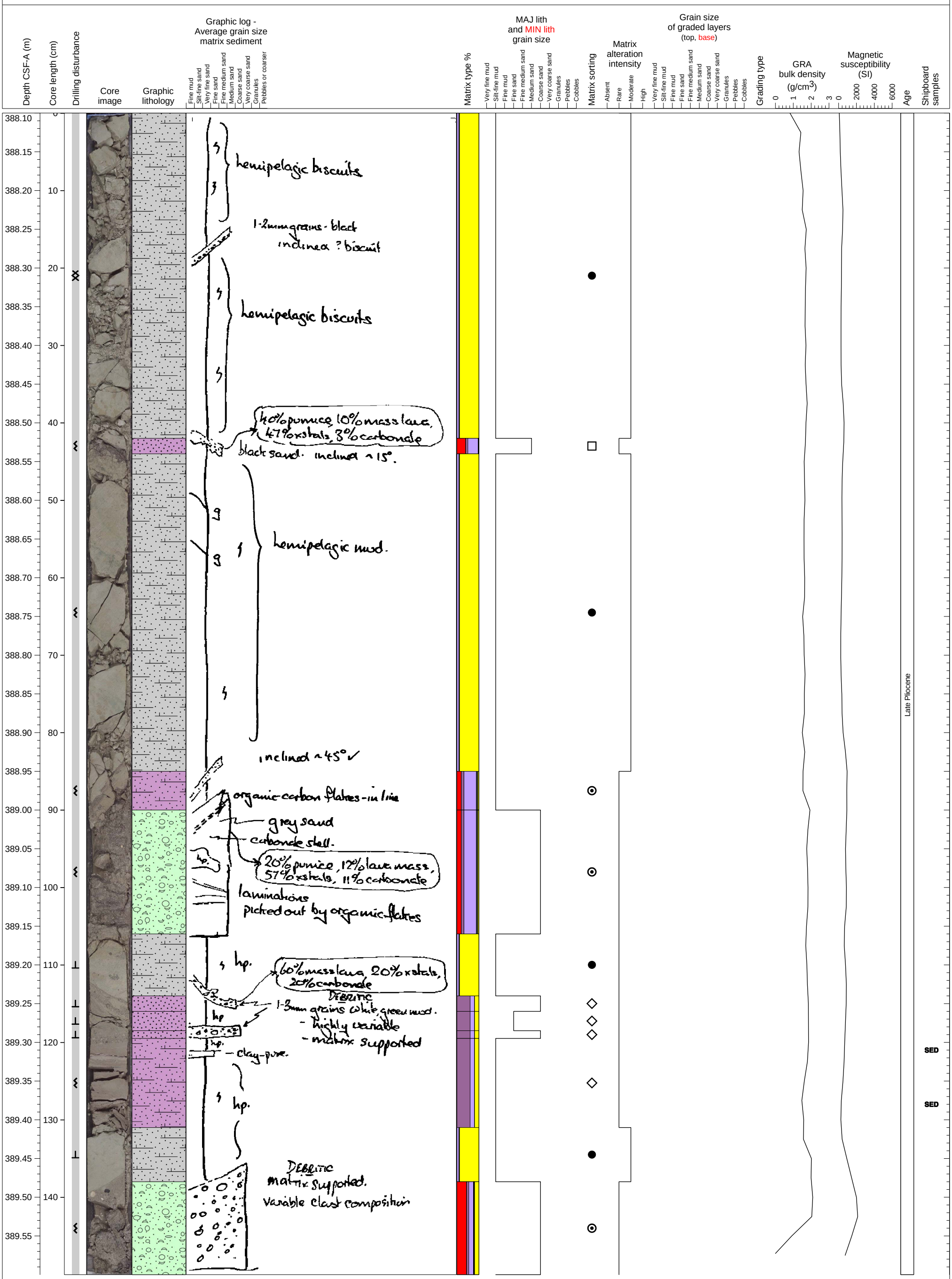
Hole 340-U1400C-44X Section CC, Top of Section: 382.17 CSF-A (m)

Mudstone interlayered with volcaniclastic sand. Some beds are inclined.



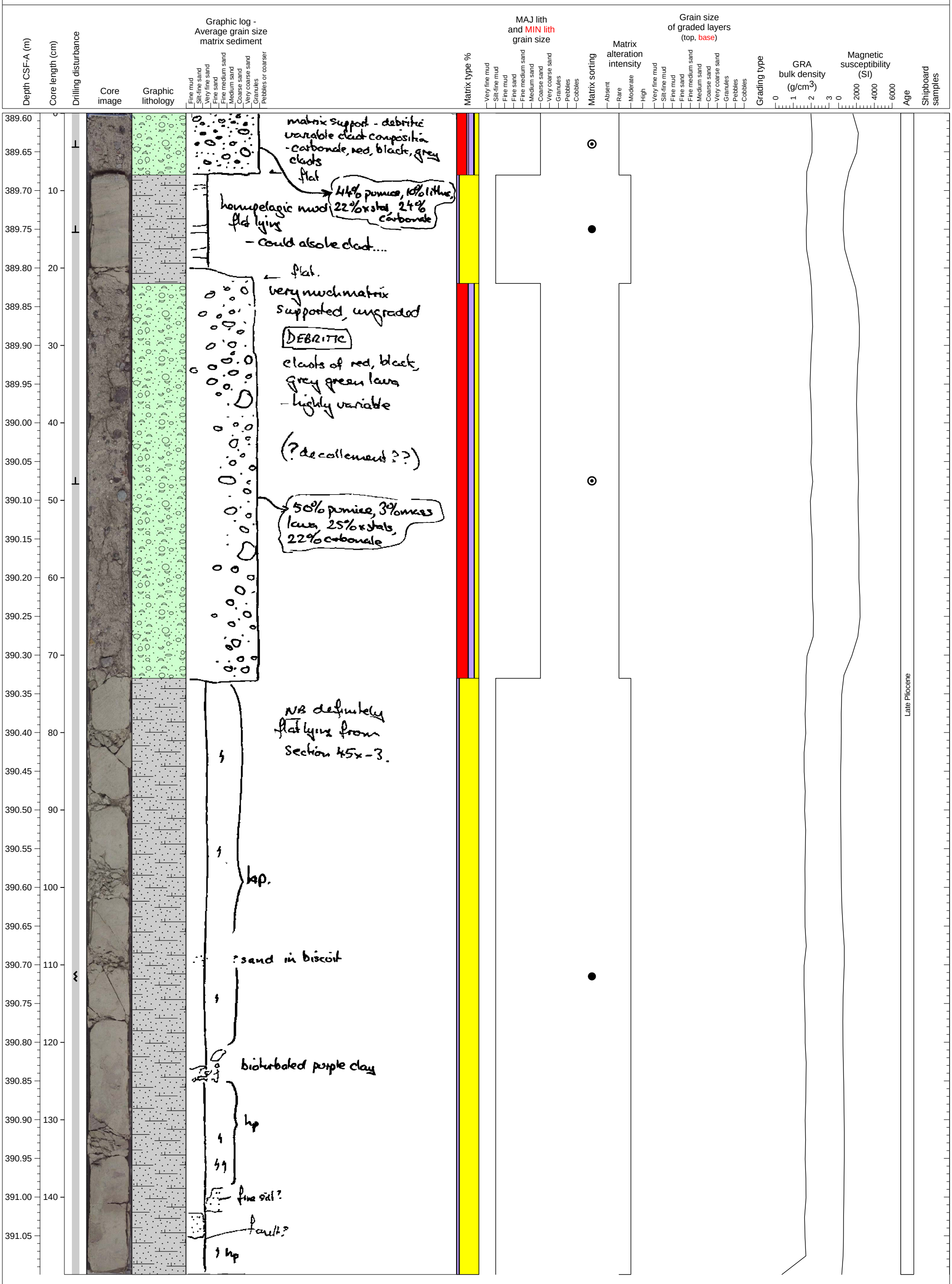
Hole 340-U1400C-45X Section 1, Top of Section: 388.1 CSF-A (m)

Deformed mudstone interlayered with volcaniclastic sand in upper part. Muddy-sand unit with debrite facies is present below inclined mudstone. Laminated volcaniclastic mudstones in well-stratified lower part.



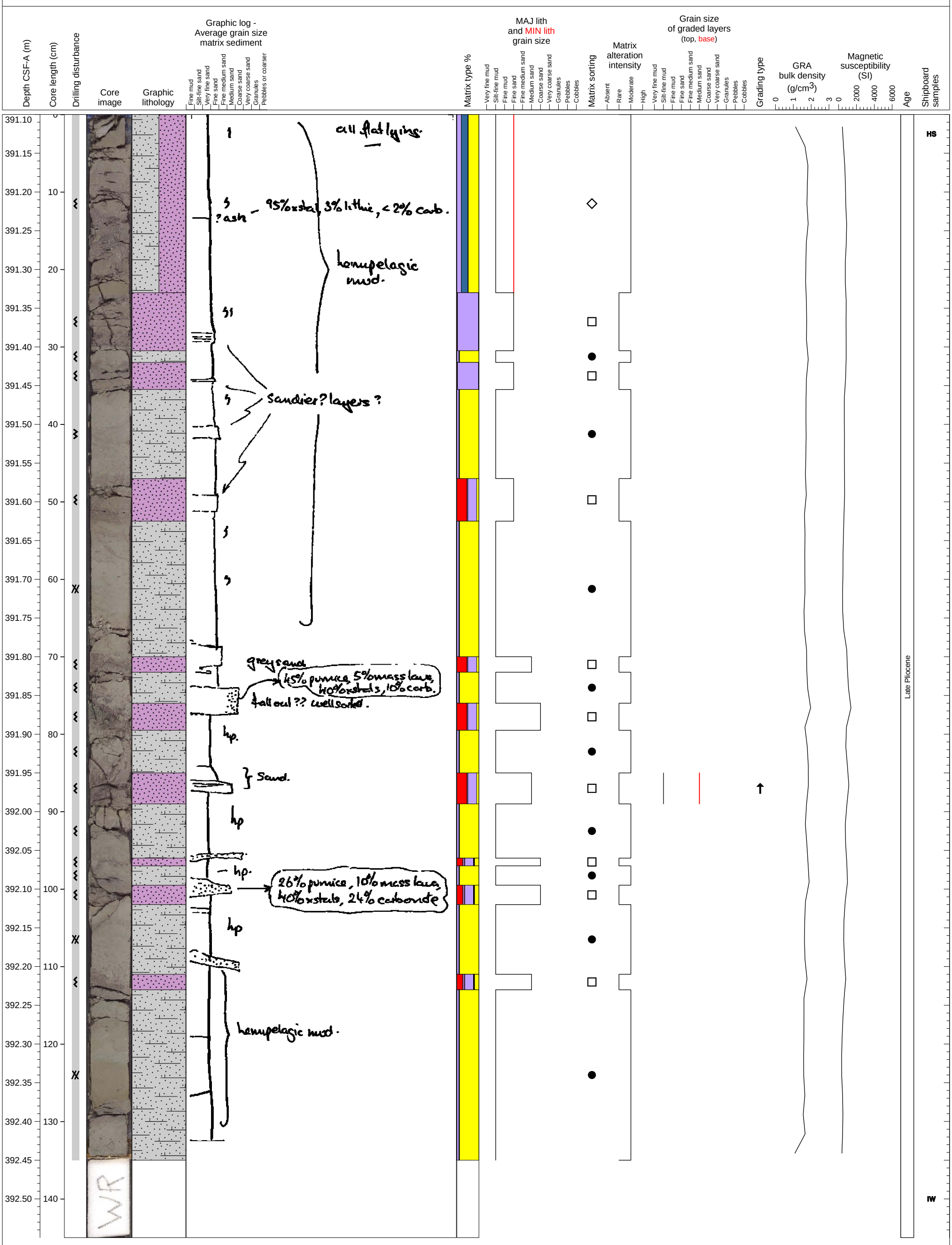
Hole 340-U1400C-45X Section 2, Top of Section: 389.6 CSF-A (m)

Mudstone interlayered with debrites.



Hole 340-U1400C-45X Section 3, Top of Section: 391.1 CSF-A (m)

Mudstone interlayered with abundant volcaniclastic sand stones with stratified and cross-stratified laminations.



Hole 340-U1400C-45X Section 4, Top of Section: 392.55 CSF-A (m)

Mudstone interlayered with abundant laminated volcaniclastic sandstone and mudstone units. Contacts are flat-lying.

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

392.55 0
392.60
392.65 10
392.70
392.75 20
392.80
392.85 30
392.90
392.95 40
393.00
393.05 50
393.10
393.15 60
393.20
393.25 70
393.30
393.35 80
393.40
393.45 90
393.50
393.55 100
393.60
393.65 110
393.70
393.75 120
393.80
393.85 130
393.90
393.95 140
394.00

all flat lying

hemipelagic mud (dusty with sand)

organic rich

10% pumice, 35% scoria, 13% mesolave, 10% vesic lava, 30% xstals, 2% carbonate

hp.

20% pumice, 10% mesolava, 20% vesic lava, 50% xstals

planar laminae.

hemipelagic mud.

45% pumice, 5% meso lava, 50% crystals and glass

hemipelagic mud.

purple-grey sand.

hp

well sorted, pumiceous?

hp

35% pumice, 1% meso lava, 9% vesic lava, 55% xstals

well sorted, pumiceous.

pinkish clay

hp

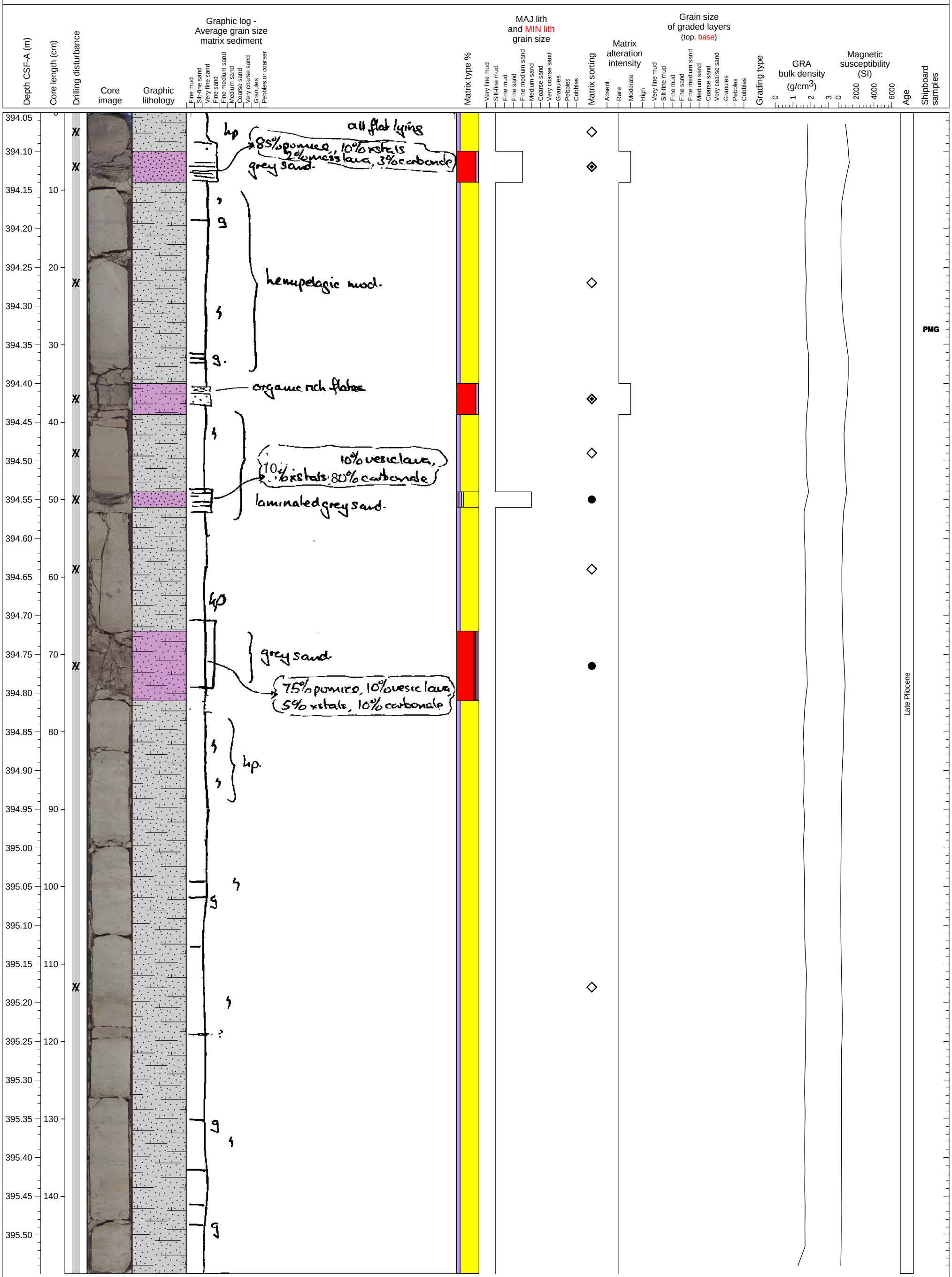
Late Pliocene

CRB
XRD
MADC

SED

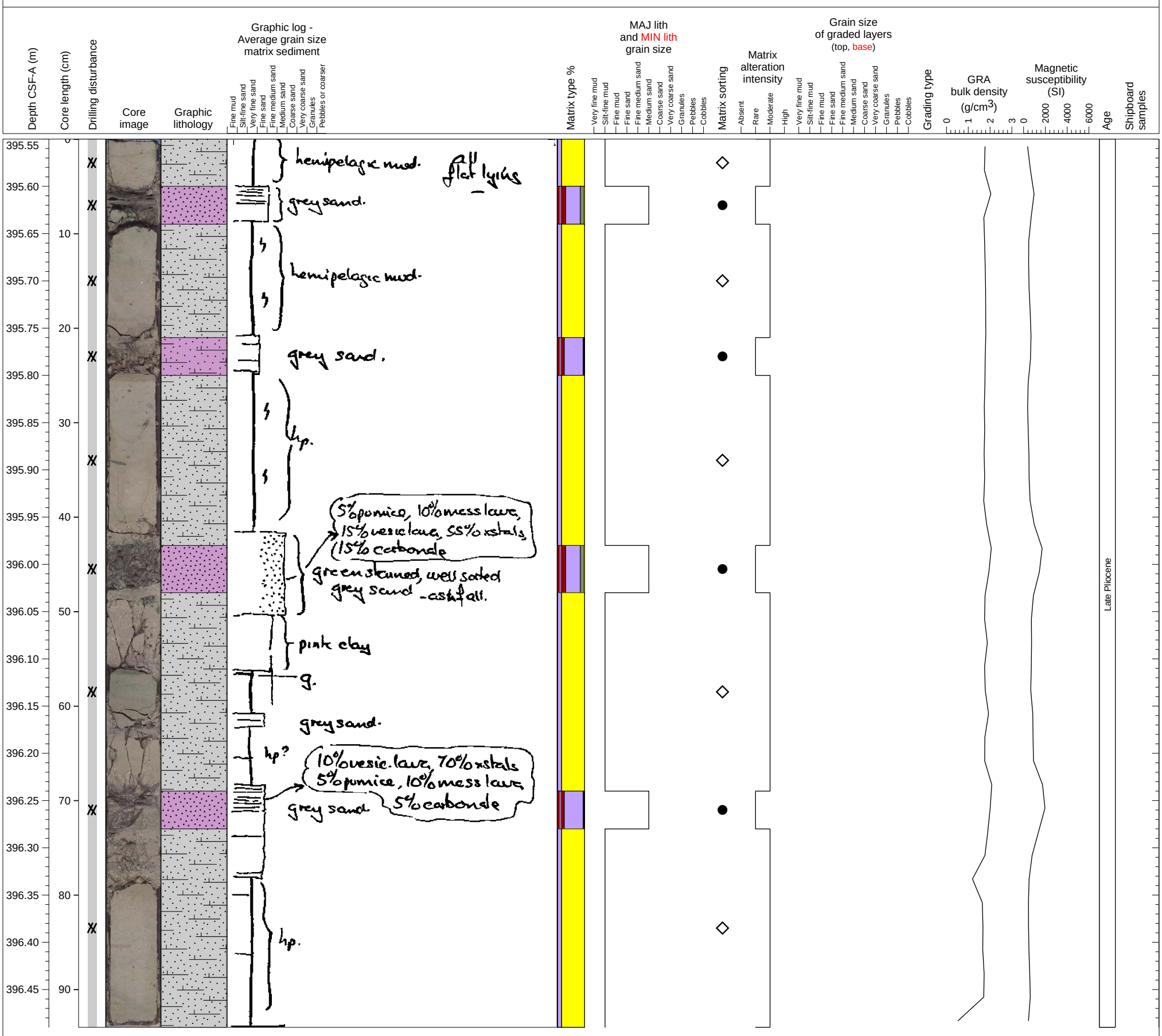
Hole 340-U1400C-45X Section 5, Top of Section: 394.05 CSF-A (m)

Mudstone interlayered with volcaniclastic sandstone/mudstone units, many of which are heavily bioturbated.



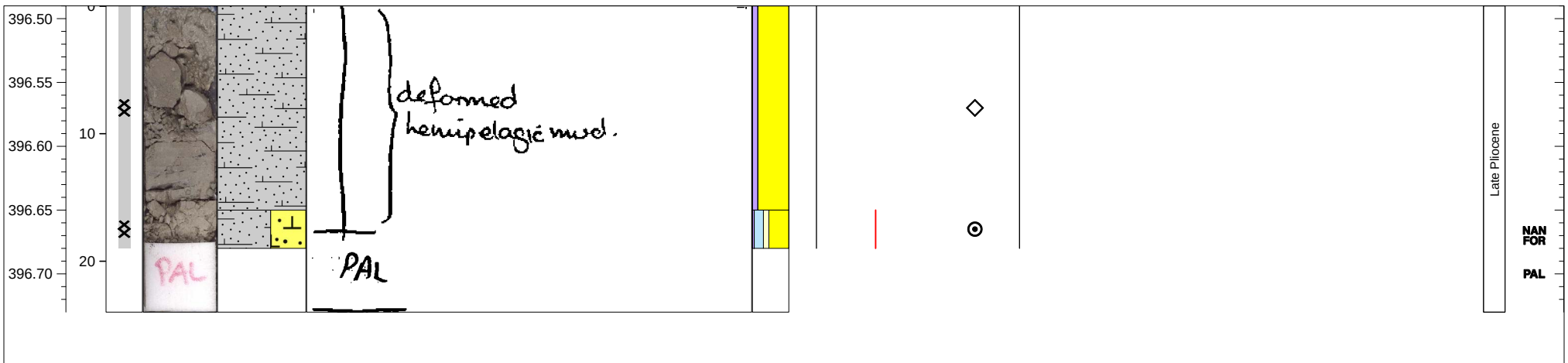
Hole 340-U1400C-45X Section 6, Top of Section: 395.55 CSF-A (m)

Mudstone interlayered with flat-lying laminated volcaniclastic sandstones.



Hole 340-U1400C-45X Section CC, Top of Section: 396.49 CSF-A (m)

Mudstone overlying mixture of mudstone and calcareous sandstone. PAL sample from section base



Hole 340-U1400C-46X Section 1, Top of Section: 397.6 CSF-A (m)

Mudstone interlayered with volcaniclastic sandstones. One has well stratified compositional lamination. In the middle of this section black-colored material (organic) is contained in fine-grained sandstone.

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

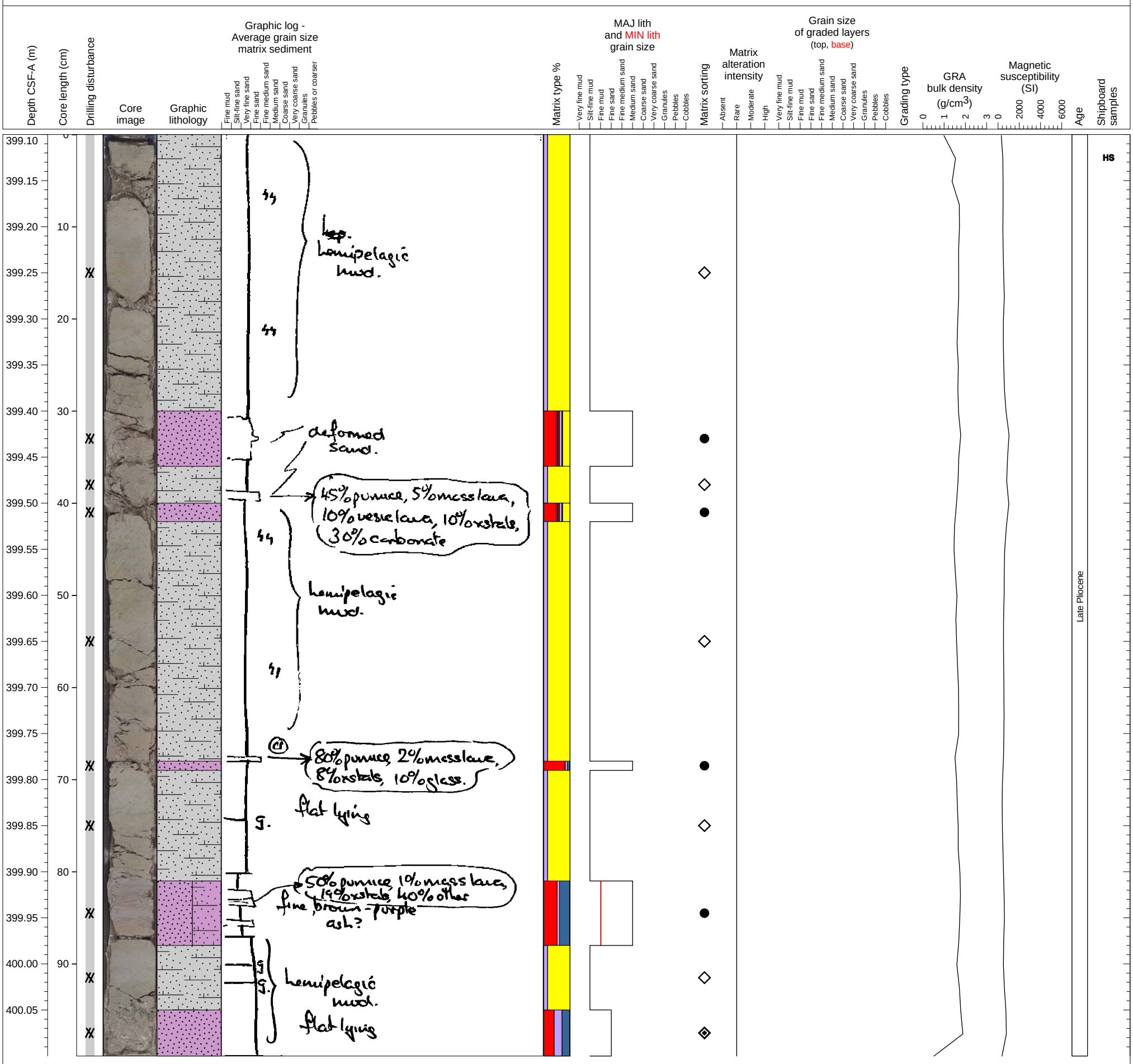
397.60 0
397.65
397.70 10
397.75
397.80 20
397.85
397.90 30
397.95
398.00 40
398.05
398.10 50
398.15
398.20 60
398.25
398.30 70
398.35
398.40 80
398.45
398.50 90
398.55
398.60 100
398.65
398.70 110
398.75
398.80 120
398.85
398.90 130
398.95
399.00 140
399.05

?fallin...
2cm brown gneous clast.
heavily disturbed by drilling biscuits
- hard to determine inclination.
g
g.
25% pumice, 3% mass lave, 67% xstals, 5% carbonate
black
light grey
hemipelagic mud - flat.
g.
very organic rich sand.
g
hemipelagic mud.
16% pumice, 3% mass lave, 82% xstals, 5% carbonate
Sand with pumices deformed by rotary drilling
g
g.
g
g.
hemipelagic mud.
flat lyrns

Late Pliocene
CRB
XRD
MADC
PMG

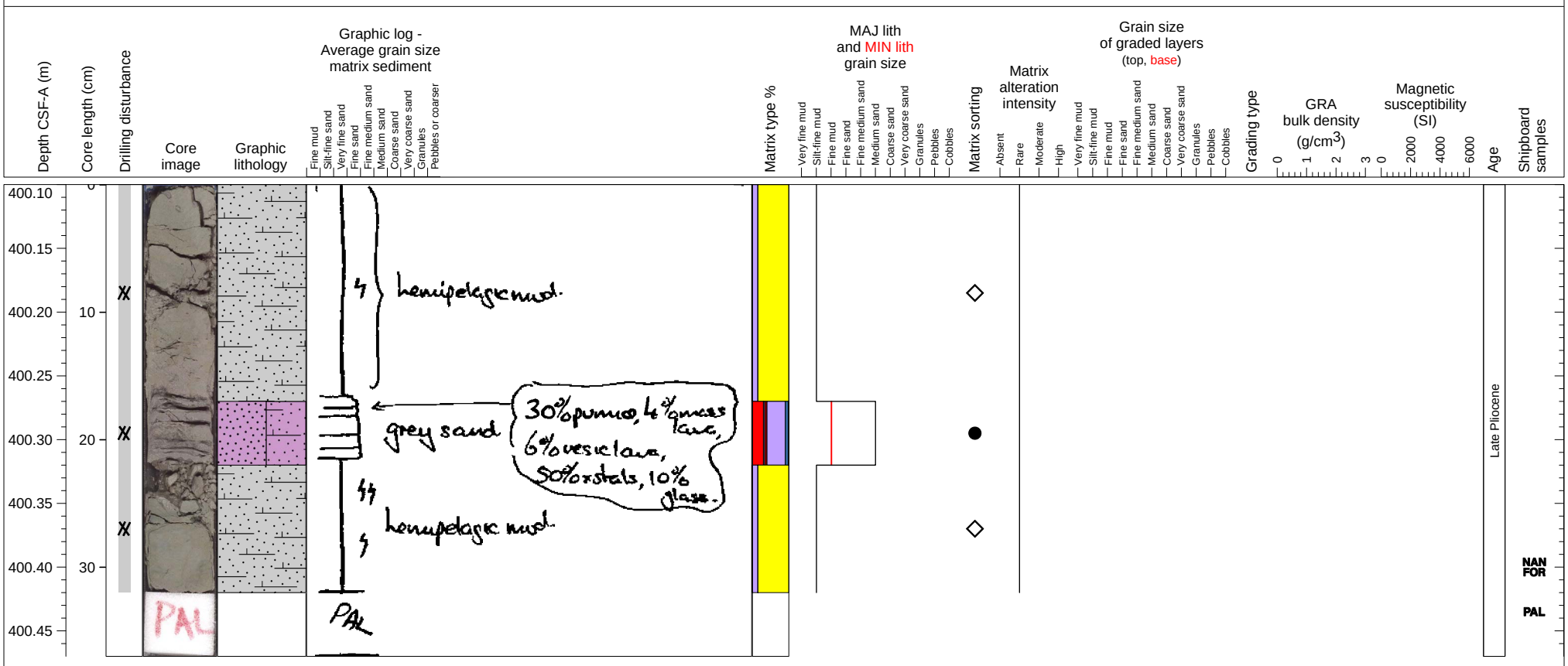
Hole 340-U1400C-46X Section 2, Top of Section: 399.1 CSF-A (m)

Mudstone interlayered with volcaniclastic sandstone/mudstone units.



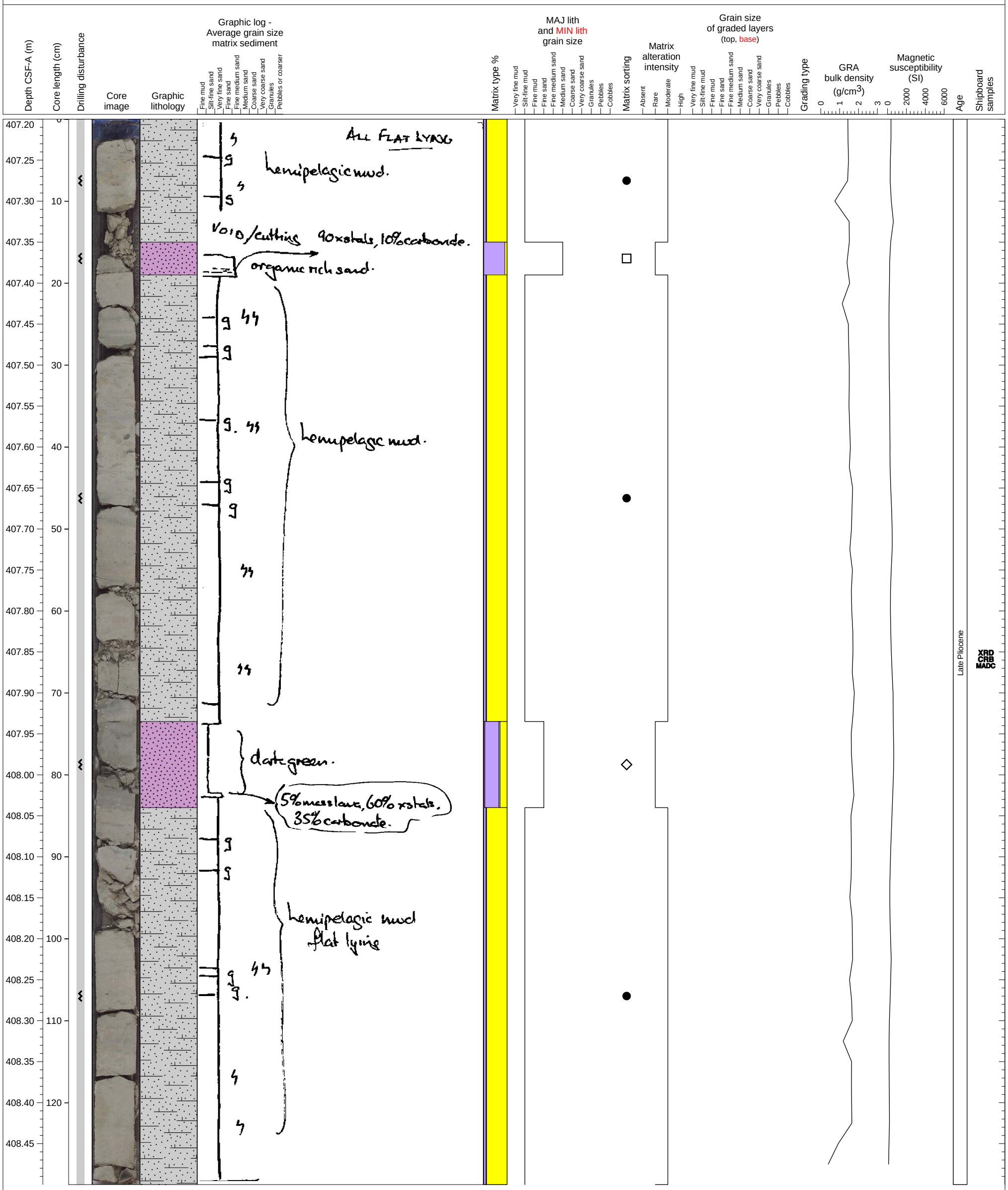
Hole 340-U1400C-46X Section CC, Top of Section: 400.1 CSF-A (m)

Mudstone interlayered with a laminated volcaniclastic sandstone/mudstone unit. PAL sample from section base.



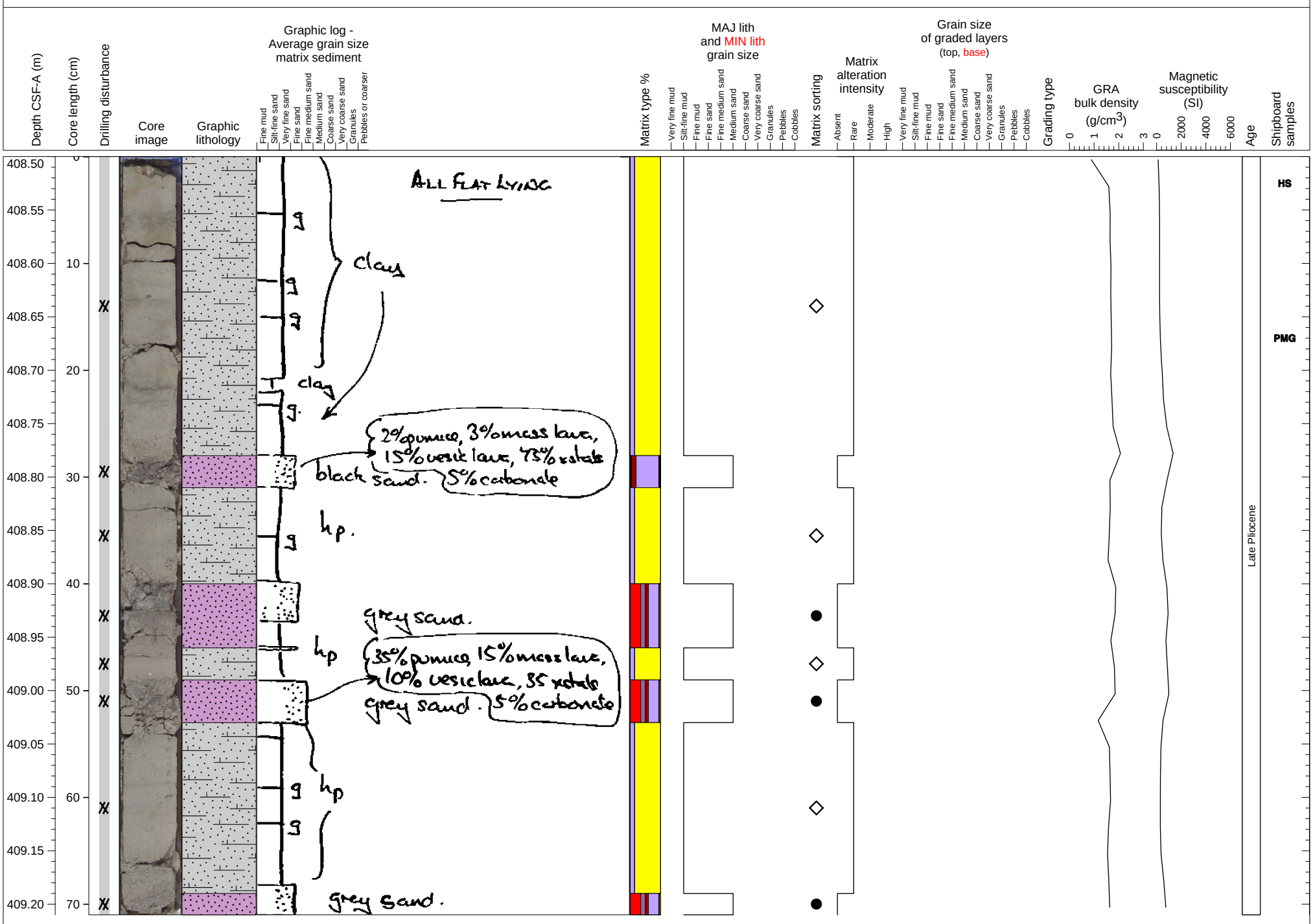
Hole 340-U1400C-47X Section 1, Top of Section: 407.2 CSF-A (m)

Mudstone bioturbated and interlayered with volcaniclastic sandstones.



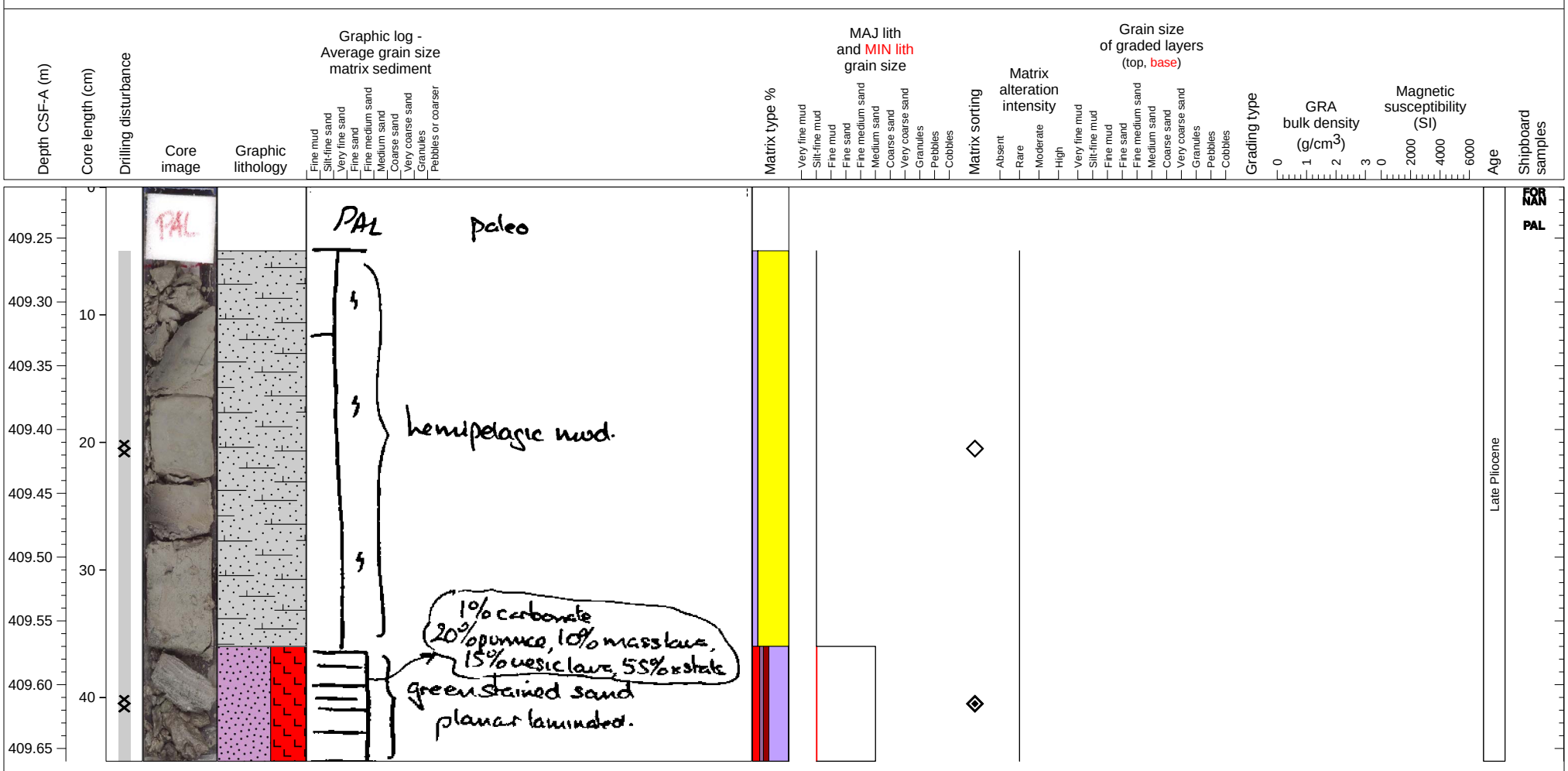
Hole 340-U1400C-47X Section 2, Top of Section: 408.5 CSF-A (m)

Mudstone interlayered with volcaniclastic sandstone units.



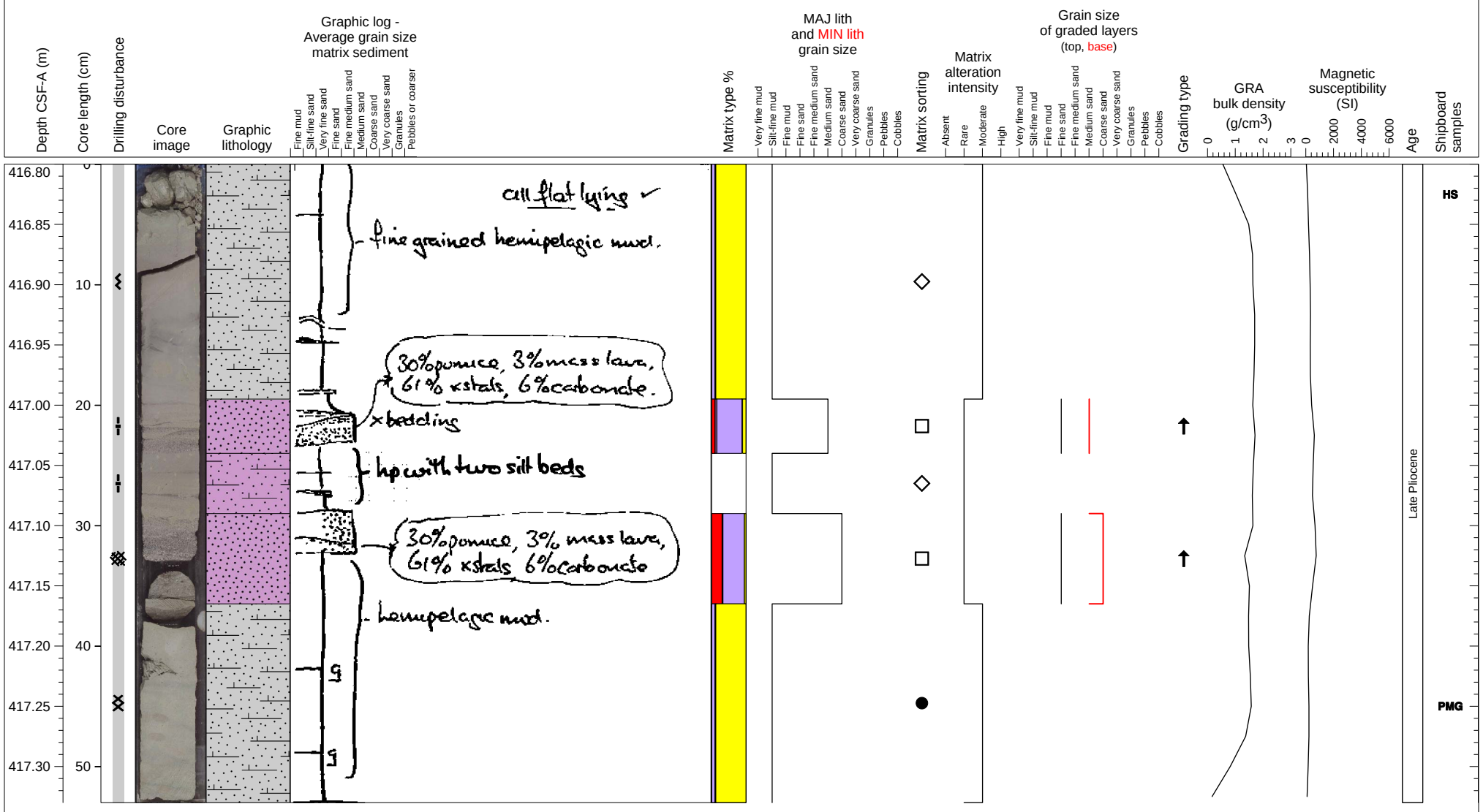
Hole 340-U1400C-47X Section CC, Top of Section: 409.21 CSF-A (m)

Mudstone overlaying laminated volcaniclastic sand/ash unit. PAL sample from section base.



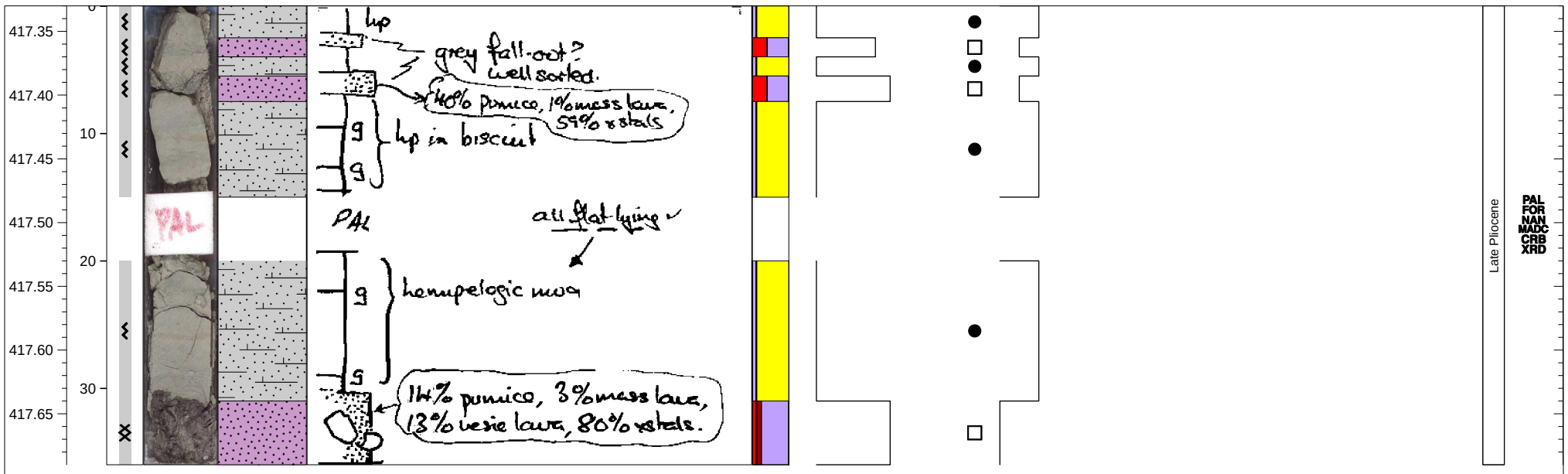
Hole 340-U1400C-48X Section 1, Top of Section: 416.8 CSF-A (m)

Mudstone interlayered with volcaniclastic sandstones with normal grading.



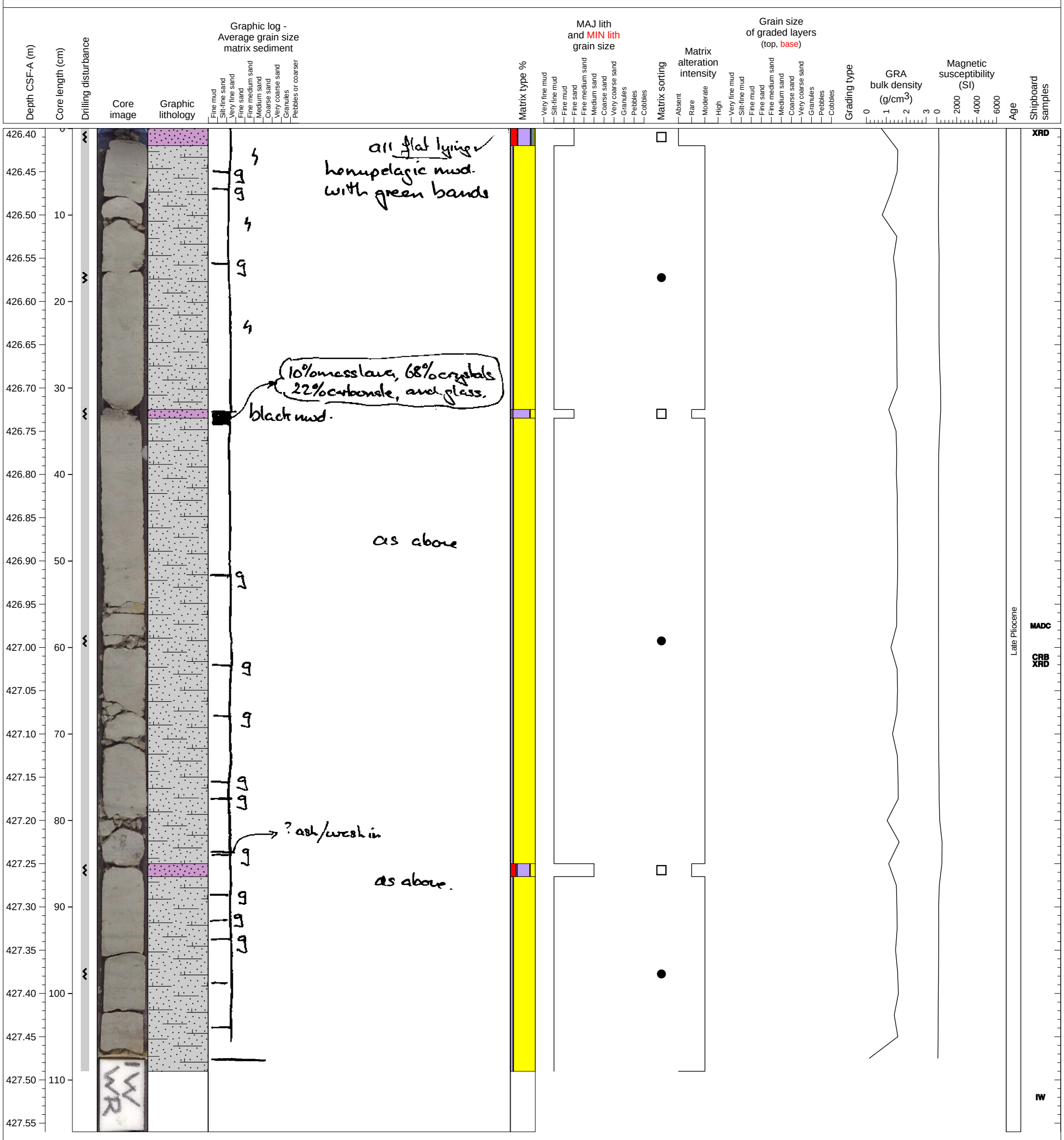
Hole 340-U1400C-48X Section CC, Top of Section: 417.33 CSF-A (m)

Mudstone interlayered with volcaniclastic sandstones.



Hole 340-U1400C-49X Section 1, Top of Section: 426.4 CSF-A (m)

Mudstone interlayered with volcaniclastic sandstones bioturbated.



Hole 340-U1400C-49X Section 2, Top of Section: 427.56 CSF-A (m)

Mudstone interlayered with volcaniclastic sandstone.

Hole 340-U1400C-49X Section CC, Top of Section: 428.19 CSF-A (m)

Mudstone interlayered with volcaniclastic sandstone. PAL sample from section top.