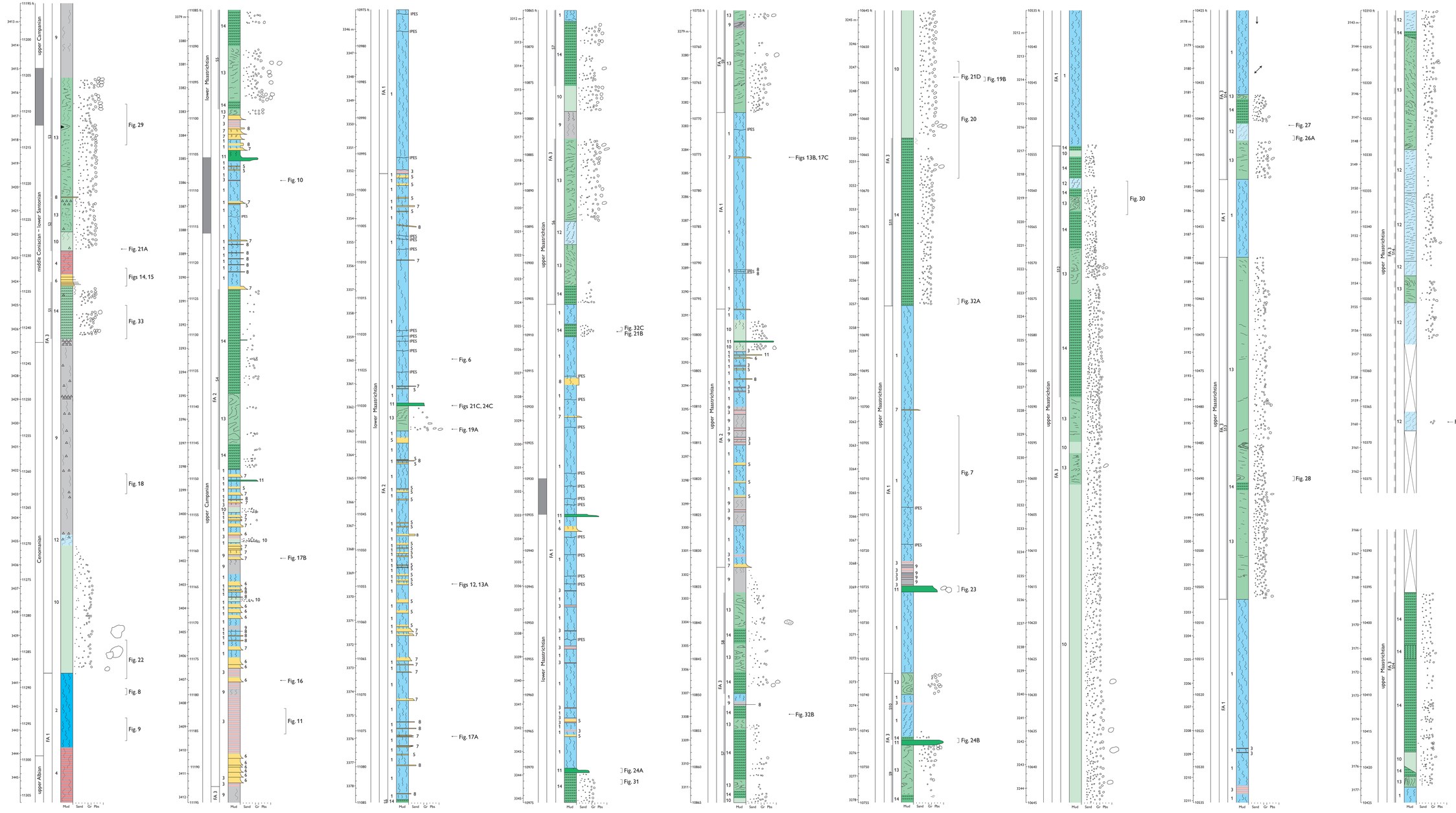
Plate 1

Sedimentological log of the cored Chalk Group section in the Mona-1 well. Note that the core log is displayed in ascending stratigraphic order, i.e. base is at lower left, top at upper right. Sharp facies boundaries are shown by a solid black line whereas gradational boundaries are indicated solely by colour (with the exception of beds <10 cm thick).

Facies and structures

- 1 Bioturbated chalk
- 2 Bioturbated marly chalk
- 3 Laminated chalk
- 4 Laminated marl
- 5–8 Graded silty chalk; Graded silty chalk with packstone and wackestone laminae; Graded packstone and wackestone; Non-graded packstone and wackestone
- 9 Massive chalk
- 10 Structureless matrix-supported chalk conglomerate
- 11 Clast-supported chalk conglomerate
- 12 Shear-deformed bioturbated chalk
- 13 Shear-deformed, matrix-supported chalk conglomerate
- 14 Shear-banded chalk

- Flint
- Biomottling
- Scattered burrows
- Lamination
- Shear-deformed bioturbation
- Shear folds
- Shear banding
- Inferred way-up (slump blocks)
- S Shear deformation
- IPES Intra-pelagic erosion surface
- FA 1–3 Facies associations 1–3
- S4–14 Slump units 1–14
- Age not determined
- No core recovery

Grain sizes: Mud, Sand, Gravel, Pebbles