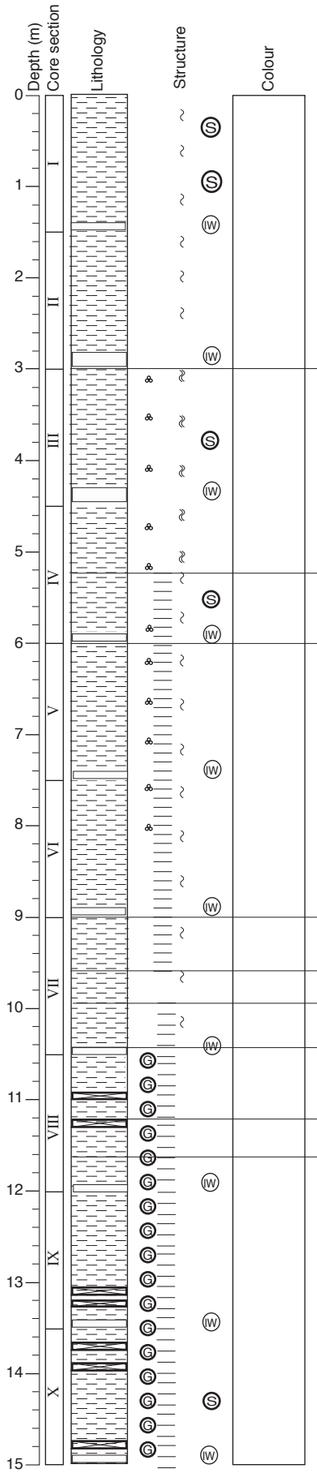
Core description

Station 08
Core MD02-2546



Comments

0-300 cm: dark gray bioturbated clay with nannofossils.

slight color difference and distinct bioturbations at 190 cm

darker layer at 260 cm

300-600 cm : dark gray clay with nanofossils and abundant forams, pinkish hue develops below 400 cm..

below 523 cm : a layering is developed in the sediments, common foraminifers.

600-900 cm : dark to light gray to brownish gray clay, layered, with rare to common forams
down-core the layering is intensified

← 820 cm : section is broken in two pieces.

900-958 cm : greenish gray clay faintly layered with nanofossils and abundant forams,

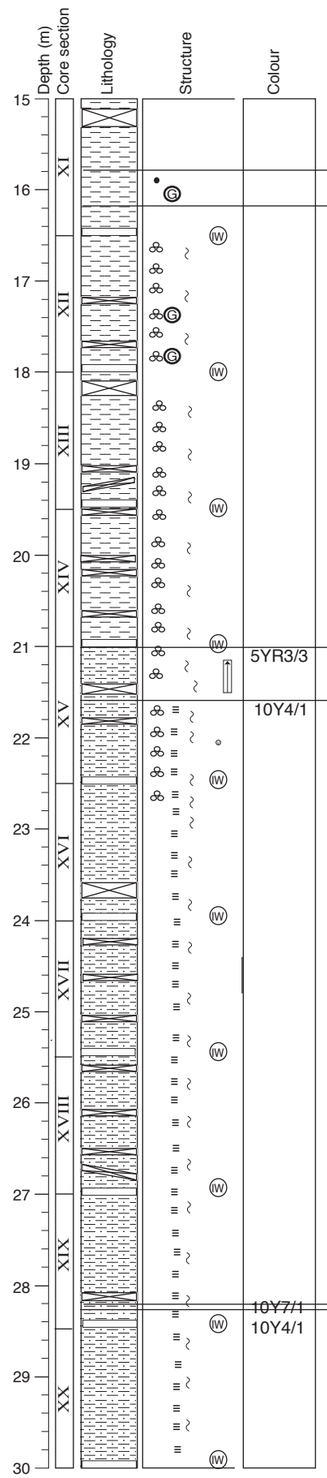
958-995 cm : dark blueish gray with layer of organic-rich clay

995-1040 cm : greenish gray clay faintly layered with nanofossils and abundant forams,

1050-1122 cm : greenish gray faint layering clay with rare forams

1122-1158 cm : dark greenish gray clay well layered , wit lenses to laminae of silty clay

1158-1500 cm : greenish gray layered clay, significantly disturbed in places by gas expansion, rare forams
saturation in gas at 1430-1432 and 1453-1458 cm (organic rich)



Comments

1500-1580 cm : greenish gray faintly layered clay with rare foraminifera

1580-1640 cm : gradual colour change towards a pinkish appearance
organic rich spot at 1591 cm

1650-1790 cm : greenish gray clay with forams, well defined layers of pinkish hue, disturbed locally by gas expansion

1800-1940 cm : greenish gray clay with common forams

1950-2090 cm : greenish to pinkish gray clay with forams
lenticular layer poor in forams at 1963-1974 cm

2100-2160 cm : greenish gray to slightly pinkish gray dark reddish brown silty clay with gradual colour change

2160-2150 cm : greenish gray silty clay, black streaks common, gas bubbles all over section

2150-3040 cm : greenish gray silty clay, black streaks common, gas bubbles all over sections, biogenic calcareous debris
various lenticular layers of light greenish gray (10Y7/1) silty clay
mollusc shell at 2275 cm

diagenetically concreted sediment (nodule) at 2670 cm

at edge of liner, whitish sandy glass shards (volcanic ash)

increasing of diagenetically altered stiffened sediments horizons and lenses from 2795 cm downcore
light grenish gray diagenetic horizon, very stifft

voids : sediments disrupted by gas