



Caption	Chain of <i>Chaetoceros borealis</i> from net haul (0-50m depth), cruise AeN707 (Nansen Legacy project), station P5 on August 2019.
Operator	Bente Edvardsen
Objective	40x
Type/Technique	Light microscopy
Fixative	None (live cell)
Locality	Northern Barents Sea

Chaetoceros borealis

Kingdom	Chromista
Phylum	Bacillariophyta
Class	Mediophyceae
Order	Chaetocerotales
Family	Chaetocerotaceae
Genus	Chaetoceros
Species	borealis
Authority	J.W. Bailey, 1854

Description

Cells and setae have many small chloroplasts. The chains are straight. Setae have a distinct basal part and the point of fusion is close to the chain edge. Upper and lower valves are similar (isovalvate). The windows are elliptical to hexagonal and the setae oblique or perpendicular to length axis of chain, often crossing each other. The terminal setae (end setae) have the same direction and length as the others and the windows are shorter than the cells.

Morphometrics

Apical axis 12-46 μ m.

References

Throndsen, J., Hasle, G.R. and Tangen, K., 2007. *Phytoplankton of Norwegian coastal waters*. Almaten Forlag AS. 341 pp.

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