

Phytoplankton composition in the Alg@line samples

Sanna Suikkanen 14.8.2015

FM16 Gulf of Finland (Lat 59.27605, Lon 22.50475) 10.8.2015

Dominant taxa:

Aphanizomenon flos-aquae

Dolichospermum spp.

Nodularia spumigena

Oscillatoriales spp.

Surface water temperature 18.5°C and chl *a* concentration 5.5 µg/L. Cyanobacteria-dominated late summer community. Cyanobacteria filaments already slightly decaying, forming akinetes, and the accompanying *Nitzschia* sp. present. Also lots of nanoflagellates and some dinoflagellates (e.g. *Heterocapsa*, *Dinophysis*).

FM22 Gulf of Finland (Lat 60.00183, Lon 25.09505) 10.8.2015

Dominant taxa:

Aphanizomenon flos-aquae

Dolichospermum spp.

Ebria tripartita

Heterocapsa triquetra

Nodularia spumigena

Surface water temperature 16.7°C and chl *a* concentration 5.5 µg/L. *Aphanizomenon flos-aquae* dominates, but *Dolichospermum* spp. and *Ebria tripartita* are abundant as well. Some filaments of *Nodularia* present.

SS3 Utö (Lat 59.56539, Lon 21.36177) 11.8.2015

Dominant taxa:

Dolichospermum spp.

Nodularia spumigena

Aphanizomenon flos-aquae

Heterocapsa rotundata

Oscillatoriales spp.

Surface water temperature 18.6°C and chl *a* concentration 3.1 µg/L. Filamentous cyanobacteria dominate the community, but *Heterocapsa triquetra* is abundant as well.