

Phytoplankton dominant species in the Gulf of Finland / Northern Baltic proper 22.7.2019

Sirpa Lehtinen, SYKE Marine Research Centre

Phytoplankton was very abundant in the Alg@line sampling point near the city of Helsinki (FM24). In addition to cyanobacteria, especially *Aphanizomenon flosaquae*, dinoflagellates *Heterocapsa triquetra* and *Dinophysis acuminata* were very abundant.

In the Northern Baltic Proper (FM17), amount of phytoplankton was lower and cyanobacterium *Nodularia spumigena* dominated.

Gulf of Finland, in front of Helsinki (FM24)

Aphanizomenon flosaquae

Dolichospermum spp.

Oscillatoriales/Synechococcales filaments

Nodularia spumigena

Dinophysis acuminata

Heterocapsa triquetra

Surface temperature 18,3°C, chl *a* 18,35 µg/l.

Northern Baltic Proper (FM17)

Nodularia spumigena

Aphanizomenon flosaquae

Dolichospermum spp.

Oscillatoriales/Synechococcales filaments

Surface temperature 18,8°C, chl *a* 8,95 µg/l.



Filament of cyanobacterium *Nodularia spumigena* seen with a microscope. Sirpa Lehtinen.