

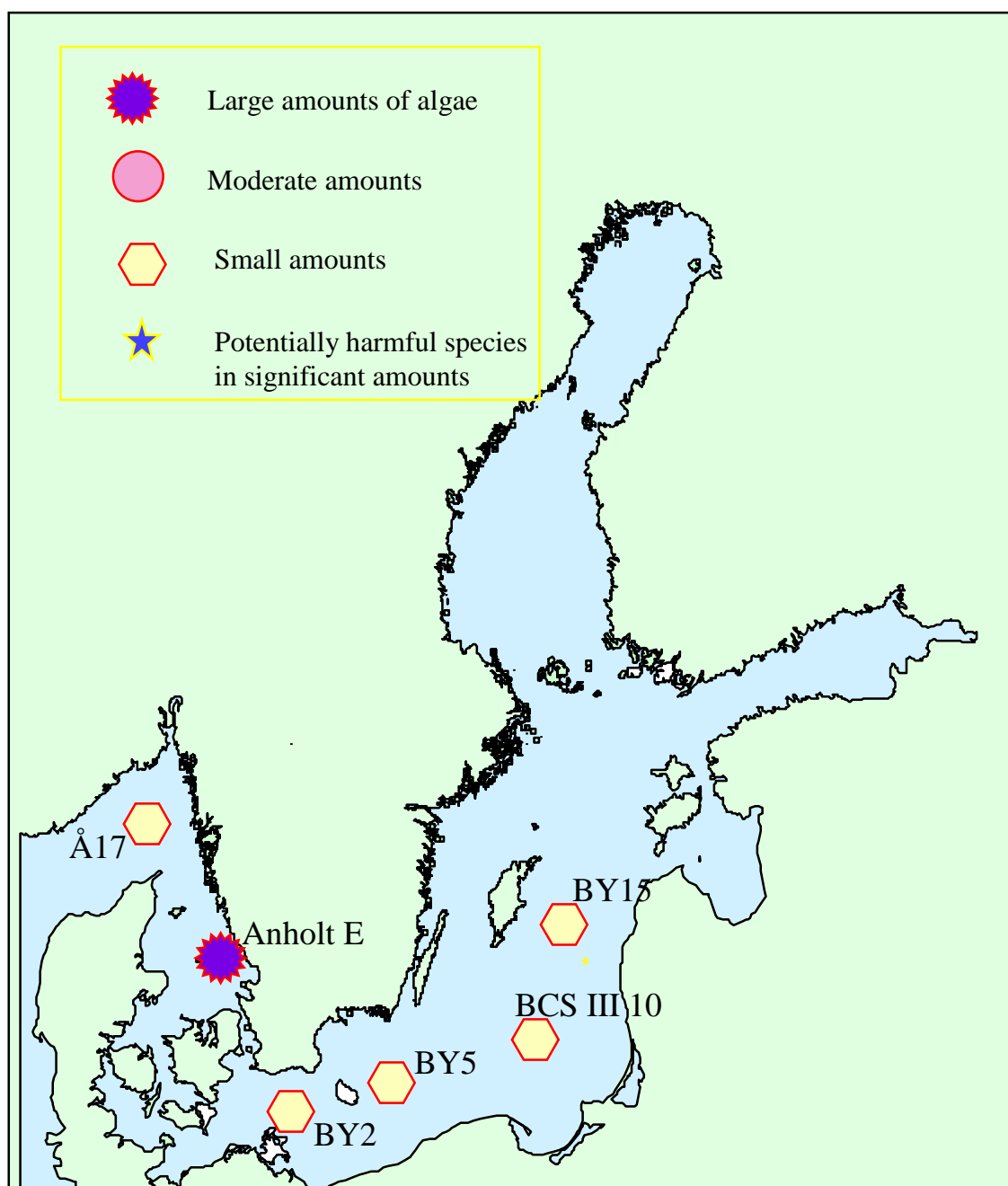
Oceanographic Services

Lars Edler

ALGAL SITUATION IN SWEDISH MARINE WATERS

No 1, 2001, 26 February - 2 March

OVERVIEW



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DETAILS

* POTENTIALLY HARMFUL SPECIES

Sampling in the Skagerrak, the Kattegat and the Baltic Sea

SKAGERRAK

Station Å17, 26 FEBRUARY

Early stage of springbloom. Dominance of *Skeletonema costatum* (50 000 cells/l) and *Pseudo-nitzschia delicatissima* (18 000 c/l). Small *monads and flagellates* abundant.

Top 5

Monads and Flagellates

Skeletonema costatum

Pseudo-nitzschia delicatissima

Chaetoceros tenuissimus

Teleaulax spp.

KATTEGAT

Station Anholt E, 27 FEBRUARY

Springbloom developing. High diversity of diatoms. Dominance of *Chaetoceros tenuissimus* (250 000 c/l), *Skeletonema costatum* (137 000 c/l), *Chaetoceros diadema* (90 000 c/l), *Pseudo-nitzschia delicatissima* (32 000 c/l). Small *monads and flagellates* abundant.

Cells similar to the potentially toxic Raphidophycean *Chattonella* sp.* were observed in concentrations of 10 000 c/l. They have also been reported from the west part of the Kattegat by the Danish monitoring.

Single cells of the potential toxic *Dinophysis norvegica**.

Top 5

Monads and Flagellates

Chaetoceros tenuissimus

Skeletonema costatum

Chaetoceros diadema

Thalassiosira cf. *levanderi*

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BALTIC SEA

Arkona basin, Station BY2, 28 FEBRUARY

Poor planktonflora dominated by Cryptophyceans and monads. The potentially toxic *Chrysochromulina* sp.* present with 30 000 c/l, *Heterocapsa rotundata* 30 000 c/l and *Skeletonema costatum* 65 000 c/l. *Ciliates* abundant.

Top 5

Monads and flagellates

Cryptophyceans

Skeletonema costatum

Chrysochromulina spp.*

Heterocapsa rotundata

Bornholm basin, Station BY5, 28 FEBRUARY

Poor planktonflora dominated by Cryptophyceans and monads. *Heterocapsa rotundata* present with 85 000 c/l and *Skeletonema costatum* with 50 000 c/l.

Top 5

Monads and flagellates

Cryptophyceans

Heterocapsa rotundata

Skeletonema costatum

Pyramimonas sp.

Southeast Baltic, Station BCS III 10, 1 MARCH

Extremely poor. Only Monads and flagellates present with about 100 000 c/l.

Top 2

Monads and flagellates

Cryptophyceans

Eastern Gotland basin, Station BY15, 2 MARCH

Extremely poor. Only *Teleaulax* sp. and ciliates present in small numbers.