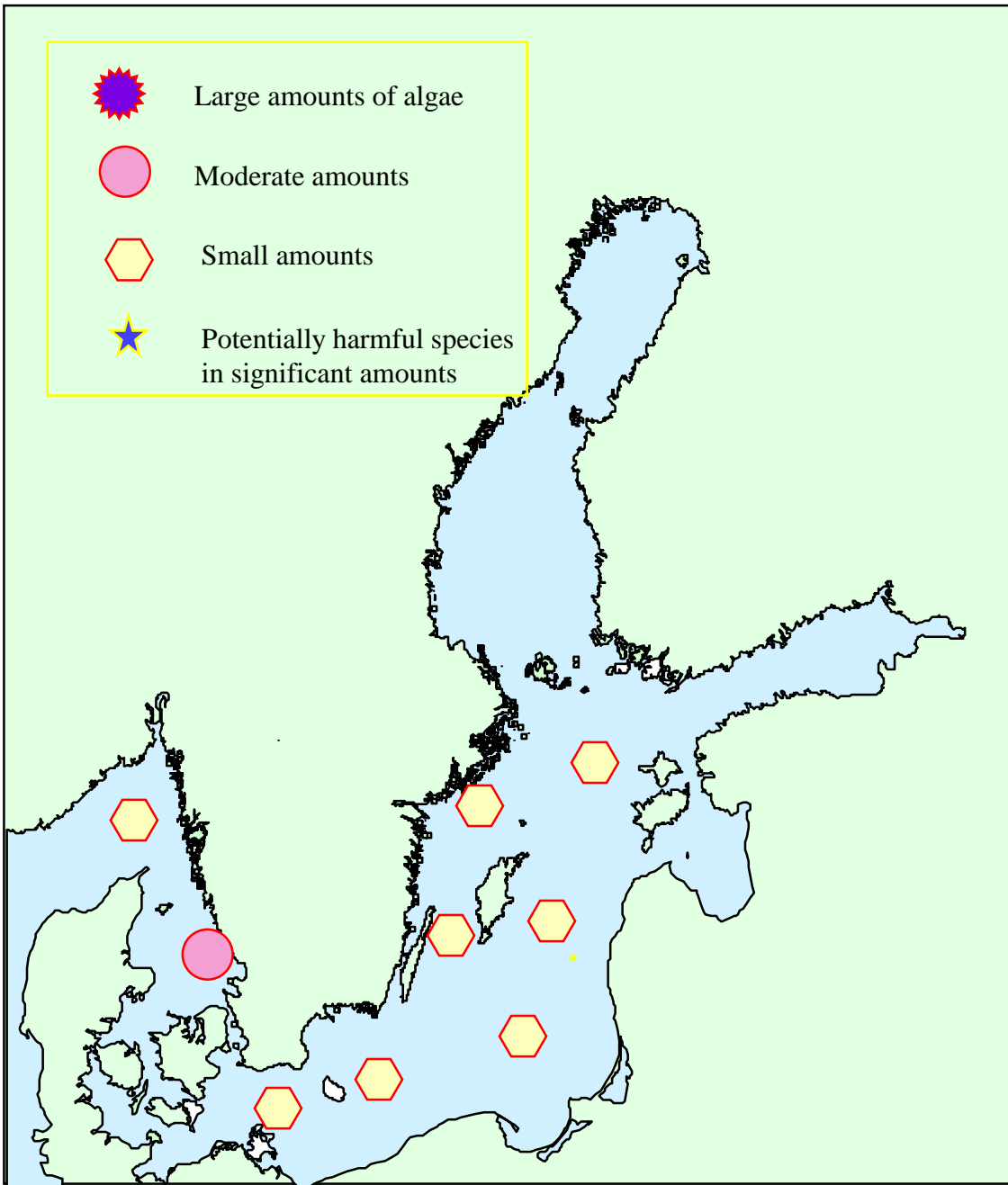


No 8, 2000, 6 – 10 NOVEMBER





Oceanographic Service  
Lars Edler

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# AlgAware

ALGAL SITUATION  
IN SWEDISH MARINE  
WATERS

## DETAILS

\* POTENTIALLY HARMFUL SPECIES

### Sampling in the Skagerrak, the Kattegat and the Baltic Sea

#### SKAGERRAK

##### Station Å17, 6 November

Poor flora, dominated by **Cryptophyceans** and other **small flagellates**. **Skeletonema costatum** present with about 30 000 cells/l. Small amounts of dinoflagellates, **Prorocentrum minimum** and **Polykrikos schwartzii** most common with about 2 000 cells/l each.

Top 5

**Monads and Flagellates**

Plagioselmis sp.

**Skeletonema costatum**

Pyramimonas spp.

**Teleaulax spp.**

#### KATTEGAT

##### Station Anholt E, 7 November

Rich autumn flora with a mixture of small flagellates, diatoms and dinoflagellates. **Small monads** and **flagellates** dominated with 1.5 million cells/l. Among diatoms **Skeletonema costatum** was most abundant with 120 000 cells/l, followed by **Chaetoceros curvisetus**, **Pseudo-nitzschia pungens** and **Attheya septentrionalis**. Among dinoflagellates **Dinophysis**\* dominated with **D. acuta**\* being most abundant with 1 200 cells/l.

Top 5

**Small flagellates**

**Skeletonema costatum**

**Chaetoceros curvisetus**

**Pseudo-nitzschia pungens**

**Attheya septentrionalis**

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BALTIC SEA

Arkona basin. Station BY2, 8 November

Cryptophyceans, with *Teleaulax sp.* and *Plagioselmis sp.* dominated with about 140 000 cells/l. Small amounts of *Prorocentrum minimum\**, 4 000 cells/l and single cells of *Chaetoceros impressus*.  
Choanoflagellates and ciliates common.

Top 5

*Plagioselmis sp.*

*Teleaulax sp.*

Choanoflagellates

Ciliates

*Prorocentrum minimum\**

Bornholm basin. Station BY5, 8 November

Very similar to BY2, except for the lack of *Prorocentrum minimum\**

Top 5

*Plagioselmis spp.*

*Teleaulax sp.*

Ciliates

*Thalassiosira sp.*

*Coscinodiscus sp.*

Southeast Baltic, Station BCS III 10, 8 November

Poor flora, similar to BY5. *Oocystis sp.* and *Ebria tripartita* not uncommon.

Top 5

*Plagioselmis spp.*

*Oocystis sp.*

*Ebria triartita*

*Thalassiosira sp.*

*Coscinodiscus sp.*

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**Eastern Gotland basin, Station BY15, 9 November**

Poor flora dominated by the cryptophyceans *Teleaulax* spp. and *Plagioselmis* sp. *Woronichinia* sp. and *Coscinodiscus* sp. relatively abundant.

Top 5

*Teleaulax* spp

Choanoflagellates

*Plagioselmis* spp.

*Woronichinia* sp.

Ciliates

**Northern Baltic proper, Station BY29, 9 November**

Similar to BY15. Again dominance of small flagellates and a few diatoms, such as *Thalassiosira* sp. and *Coscinodiscus* sp.. *Choanoflagellates* common. Small amounts of *Woronichinia* sp.

Top 5

*Plagioselmis* spp.

*Teleaulax* spp.

*Thalassiosira* sp.

Choanoflagellates

Ciliates

**Northwest Baltic proper, Station BY31, 10 November**

Cryptophyceans dominated, followed by the diatom *Thalassiosira* sp. and the dinoflagellate *Gymnodinium* sp.. Single cells of *Chaetoceros danicus* and *Chaetoceros similis*.

Top 5

*Plagioselmis* spp.

*Thalassiosira* sp.

*Gymnodinium* sp.

Choanoflagellates

*Teleaulax* spp.

**Western Gotland basin, Station BY38, 10 November**



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Very low diversity. *Teleaulax* spp. and *ciliates* dominated with about 30 000 cells/l each. Single cells och *Chaetoceros danicus* and *Coscinodiscus* sp. also present

Top 4

*Teleaulax* spp.

Ciliates

*Chaetoceros danicus*

*Coscinodiscus*

This report is based on quantitative samples between 0 and 10 m.

## FORECAST

The flora is turning to a late autumn situation. Harmful algae may still develop in the Skagerrak-Kattegat. In the Baltic harmful blooms are not likely to develop.