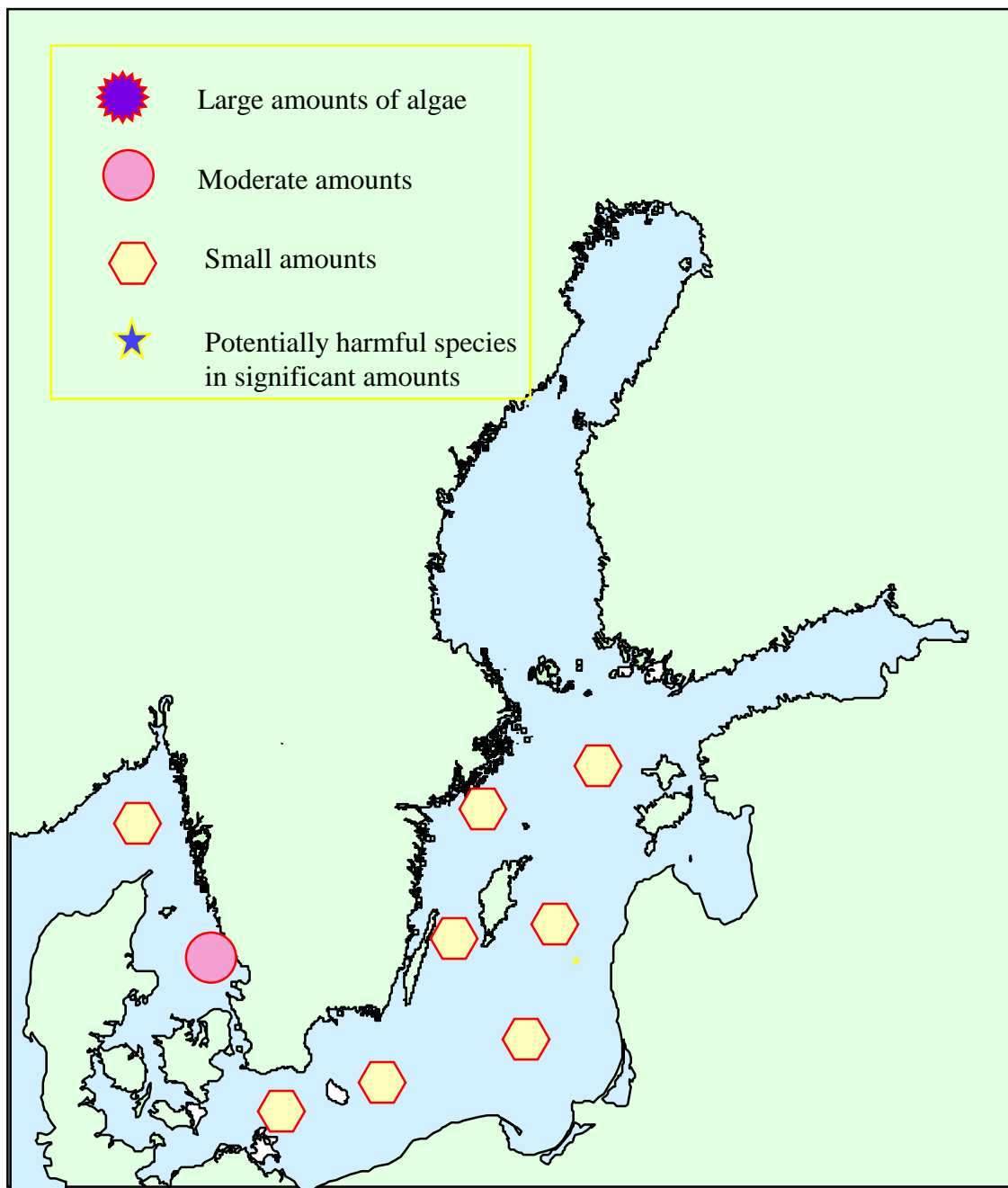


No 8, 2000, 6 – 10 NOVEMBER





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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ALGAL SITUATION IN SWEDISH MARINE WATERS

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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ALGAL SITUATION IN SWEDISH MARINE WATERS

No 8, 2000, 6 – 10 NOVEMBER

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.