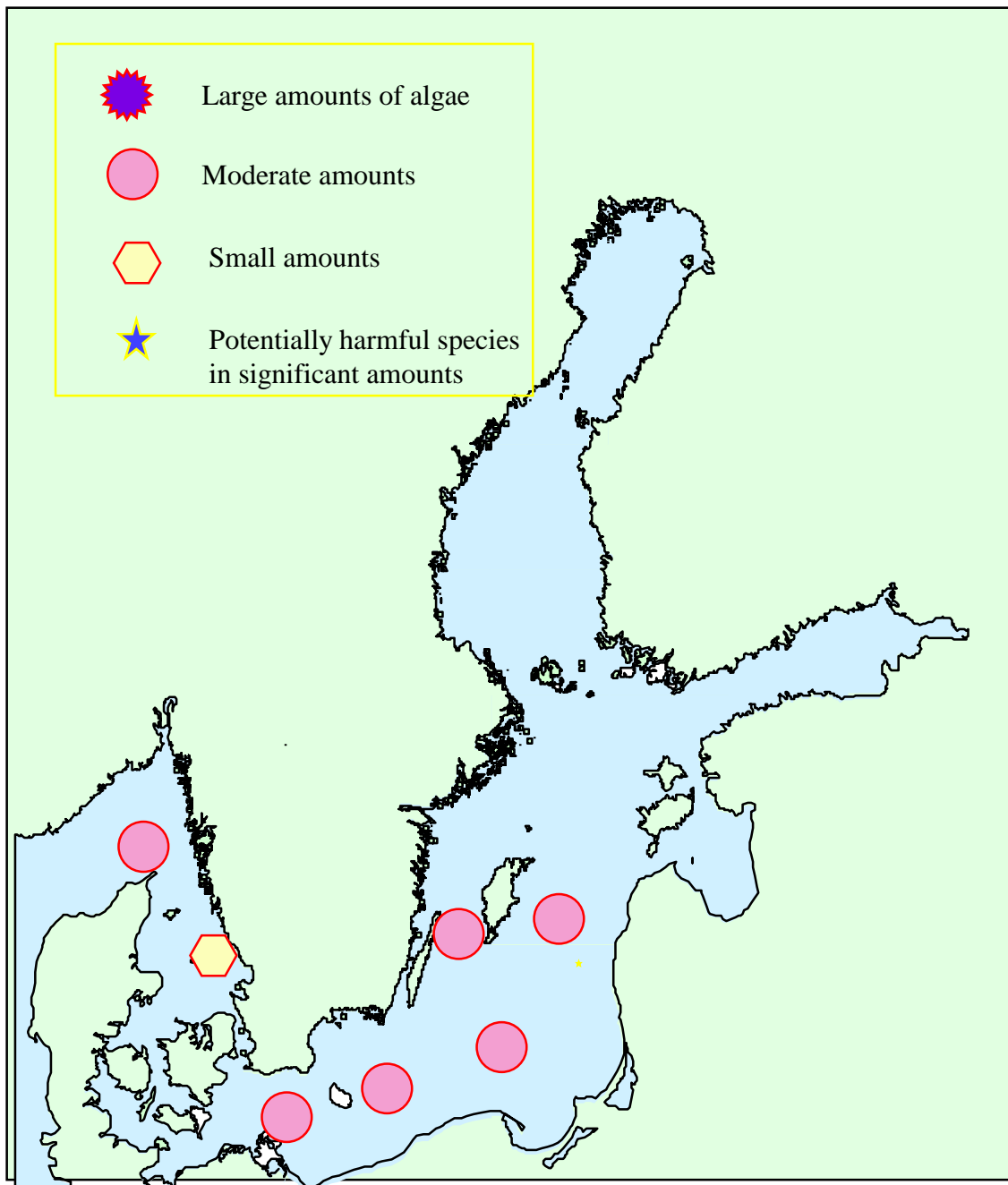


## OVERVIEW



## DETAILS

\* POTENTIALLY HARMFUL SPECIES

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

### SKAGERRAK

#### Station Å17, 2 OCTOBER

Chlorophyll in the upper 10 meters about 3 mg/m<sup>3</sup>.  
Small **flagellates**, including **Cryptophyceans** dominated. **Ceratium** species relatively common. Diatoms of the genera **Chaetoceros**, **Cerataulina**, **Leptocylindrus**, **Pseudo-nitzschia**, **Proboscia**, **Rhizosolenia** and **Thalassiosira** present. Small amounts of the potentially toxic dinoflagellates **Dinophysis acuta\*** and **Gymnodinium mikimotoii\***.

Top 5

**Monads and Flagellates**

**Cerataulina pelagica**

**Cryptophyceans**

**Chaetoceros subtilis**

**Guinardia delicatula**

### KATTEGAT

#### Station Anholt E, 3 OCTOBER

Chlorophyll in the upper 10 meters about 2 mg/m<sup>3</sup>.  
Small **flagellates** and cryptophyceans, dominated. Among dinoflagellates, **Ceratium fusus** was the most common, but other **Ceratium** species also present. Diatoms common with a complete dominance of **Cerataulina pelagica**, about 0.5 million cells/l. The genera **Chaetoceros**, **Leptocylindrus**, **Pseudo-nitzschia**, **Proboscia** and **Rhizosolenia** also present. density of **Proboscia alata**. Small amounts of the potentially toxic genera **Dinophysis \***.

Top 5

**Small flagellates**

**Cerataulina pelagica**

**Pseudo-nitzschia pungens**

**Cryptophyceans**

**Chrysochromulina spp.**

## BALTIC SEA

### Arkona basin. Station BY2, 4 OCTOBER

Chlorophyll in the upper 10 meters about 2 mg/m<sup>3</sup>.

Cryptophyceans, with *Teleaulax* sp. and *Plagioselmis* sp. dominated with about 250 000 cells/l. Other small species like *Pyramimonas* sp., *Chrysochromulina* spp.\* and *Heterocapsa rotundata* also common. Larger species, i.e. *Aphanizomenon* sp. ("baltica"), *Nodularia spumigena*\*, *Dinophysis acuminata*\*, *Chaetoceros impressus* and *Coscinodiscus commutatus* present in very small amounts.

Top 5

*Teleaulax* sp.

*Plagioselmis* sp.

*Pyramimonas* spp.

*Chrysochromulina* spp.\*

*Heterocapsa rotundata*

### **Bornholm basin. Station BY5, 30 AUGUST**

Chlorophyll in the upper 10 meters 2-3 mg/m<sup>3</sup>.

Very similar to BY2, with the addition of small amounts of *Actinocyclus octonarius* and *Coscinodiscus granii*.

Top 5

*Plagioselmis* spp.

*Teleaulax* sp.

*Pyramimonas* spp.

*Chrysochromulina* spp.\*

*Heterocapsa rotundata*

### **Southeast Baltic, Station BCS III 10, 4 OCTOBER**

Chlorophyll in the upper 10 meters about 2 mg/m<sup>3</sup>.

Very similar to BY5, but somewhat more species. Diatoms like *Skeletonema costatum*, *Thalassiosira* sp., *Chaetoceros danicus*, *C. impressus* and *Cyclotella* sp. present in small amounts. Few colonies of the blue-green *Woronichinia* spp. and single cells of *Dinophysis acuminata*\*.

Top 5

*Pyramimonas* spp.

*Thalassiosira* sp.

*Plagioselmis* sp.

*Teleaulax* spp.

No 7, 2000, 2 – 6 OCTOBER

**Heterocapsa rotundata**

**Eastern Gotland basin, Station BY15, 5 OCTOBER**

Chlorophyll in the upper 10 meters about 2 mg/m<sup>3</sup>.  
Similar to BCS III 10, but poorer. Dominance of small flagellates and a few large diatoms.

Top 5

**Pyramimonas spp.**

Plagioselmis spp.

**Teleaulax spp.**

Heterocapsa rotundata

**Chaetoceros impressus**

**Western Gotland basin, Station BY38, 31 AUGUST**

Chlorophyll in the upper 10 meters about 2 mg/m<sup>3</sup>.  
Similar to BY15. Again dominance of small flagellates and a few large diatoms. Single filaments of Aphanizomenon sp. ("baltica") observed.

Top 5

**Plagioselmis spp.**

Pyramimonas spp.

**Chrysochromulina spp.\***

Teleaulax spp.

**Eutreptiella sp.**

This report is based on quantitative samples between 0 and 10 m. Chlorophyll values are rough estimates by the fluorescence profiling.

## FORECAST

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