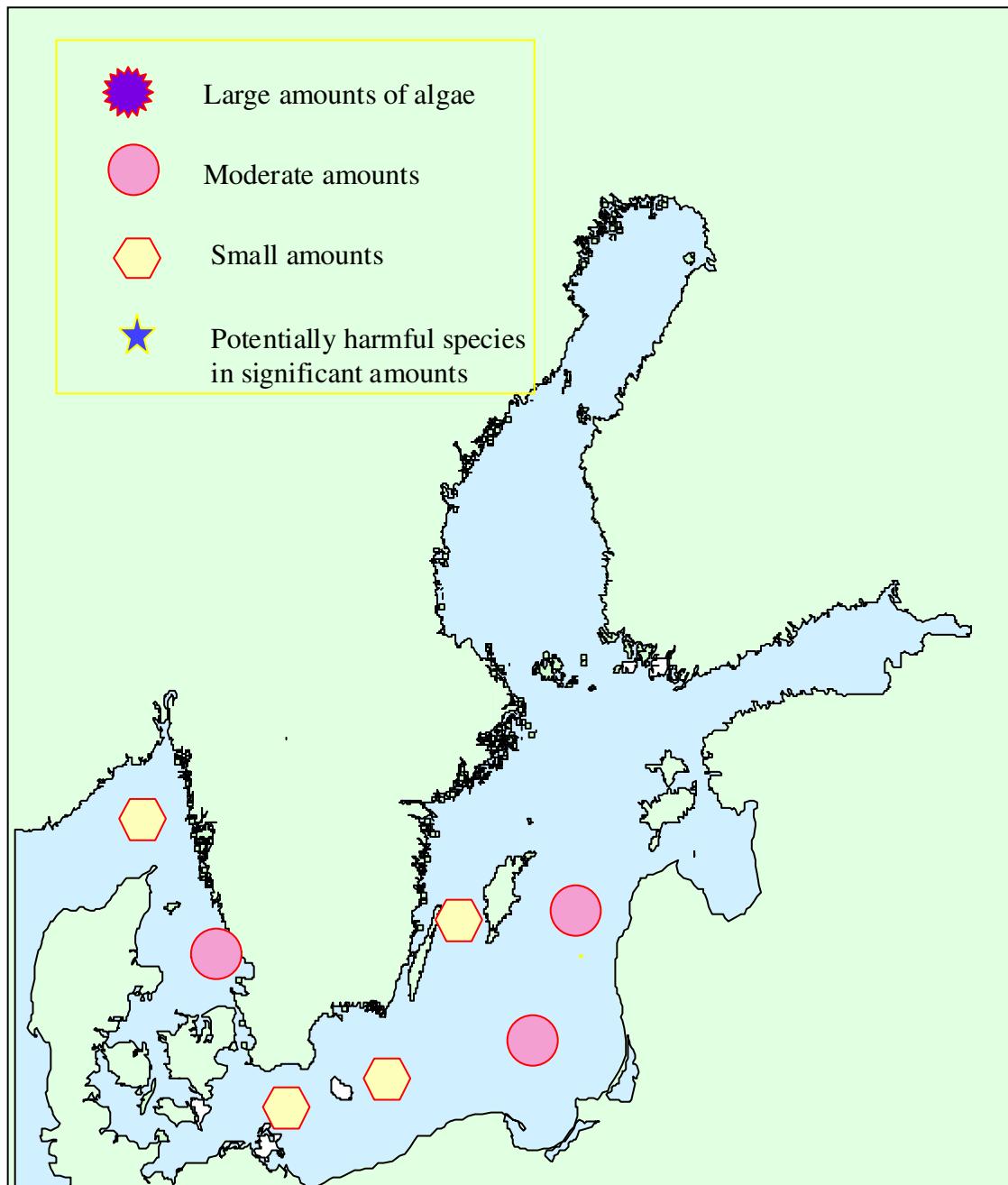


**ALGAL SITUATION IN SWEDISH MARINE WATERS
No 3, 2000, 13-17 JUNE****OVERVIEW****Sampling in the Skagerrak, the Kattegat and the Baltic Sea**

**ALGAL SITUATION IN SWEDISH MARINE WATERS
No 3, 2000, 13-17 JUNE****DETAILS***** POTENTIALLY HARMFUL SPECIES****Sampling in the Skagerrak, the Kattegat and the Baltic Sea****SKAGERRAK****Station Å17, 17 June**

Poor plankton flora. Chlorophyll in the upper 10 meters 1-2 mg/m³.

Several species of diatoms, with a dominance of **Cerataulina pelagica** and **Dactyliosolen fragilissimus**.

Among dinoflagellates **Ceratians** most common. Small amounts of **Dinophysis acuminata***, **D. norvegica*** and **Chrysochromulina spp.***.

Top 5

Cerataulina pelagica

Dactyliosolen fragilissimus

Chrysochromulina sp.*

Ceratium tripos

Ceratium longipes

KATTEGAT**Station Anholt E, 13 June**

Rich species composition, but relatively low abundances. Chlorophyll in the upper 10 meters about 1-3 mg/m³.

Cerataulina pelagica and **Proboscia alata** dominated among diatoms. **Ceratians** common. Small dinoflagellates, eg. **Scrippsiella spp.** and **Gymnodinium simplex** present. Small amounts of **Dinophysis acuminata***, **D. norvegica*** and **Chrysochromulina spp.***.

Top 5

Cerataulina pelagica

Dactyliosolen fragilissimus

Chrysochromulina sp.*

Scrippsiella spp.

Ceratium tripos

Station Anholt E, 16 June

Chlorophyll in the upper 10 meters 2-3 mg/m³.

Similar species composition as three days earlier, but now with a dominance of **Dactyliosolen fragilissimus** and **Proboscia alata**.

Top 5
Dactyliosolen fragilissimus
Proboscia alata
Cerataulina pelagica
Chrysochromulina sp.*
Scrippsiella spp.

BALTIC SEA

Arkona basin. Station BY2, 13 June

Poor plankton flora. Chlorophyll in the upper 10 meters 1.5-2.5 mg/m³.

Aphanizomenon sp. together with Planktonema lauterbornii dominated. A few filaments of Nodularia spumigena*. Small amounts of Chaetoceros danicus.

Top 3
Aphanizomenon sp.
Planktonema lauterbornii
Chaetoceros danicus

Bornholm basin. Station BY5, 14 June

Relatively poor plankton flora. Chlorophyll in the upper 10 meters 2-3 mg/m³.

Similar to Arkona basin, with the addition of small amounts of Dinophysis acuminata*, D. norvegica* and Thalassiosira baltica.

Top 5
Aphanizomenon sp.
Planktonema lauterbornii
Chaetoceros danicus
Dinophysis acuminata
Dinophysis norvegica

Southeast Baltic, Station BCS III 10, 14 June

Chlorophyll in the upper 10 meters 2-3 mg/m³.

Aphanizomenon sp. and Nodularia spumigena relatively common. Among dinoflagellates Scrippsiella hangoei, Dinophysis acuminata*, D. norvegica*, Phalachroma rotundatum* and Peridiniella catenata were the most abundant. A few diatoms present; Actinocyclus octonarius and Chaetoceros danicus.

Top 5
Aphanizomenon sp.
Scrippsiella hangoei
Nodularia spumigena*
Dinophysis acuminata*
Dinophysis noevegica*

Eastern Gotland basin, Station BY15, 14 June

Chlorophyll in the upper 10 meters about 2 mg/m³.

Aphanizomenon sp. and *Nodularia spumigena* relatively common. *Dinophysis acuminata** and *D. norvegica** were present in much higher numbers here. Also *Scrippsiella hangoei* relatively common. *Actinocyclus octonarius*, *Chaetoceros danicus* and *Thalassiosira* sp. present.

Top 5

*Dinophysis acuminata**

*Dinophysis norvegica**

Scrippsiella hangoei

Aphanizomenon sp.

*Nodularia spumigena**

Western Gotland basin, Station BY38, 15 June

Poor plankton flora. Chlorophyll in the upper 10 meters about 2 mg/m³.

Aphanizomenon sp. and *Nodularia spumigena* present in small amounts. *Dinophysis acuminata** common and *D. norvegica** and *Scrippsiella hangoei* also present. Few specimens of *Chaetoceros danicus* present.

Top 5

Aphanizomenon sp.

*Dinophysis acuminata**

*Nodularia spumigena**

Scrippsiella hangoei

*Dinophysis norvegica**

This report is based on qualitative samples between 0 and 10 m. Chlorophyll values are rough estimates based on profiles of fluorescence.

FORECAST

Phytoplankton composition is changing into summer situation. Continuous sunny and calm weather will stimulate the development of blooms in both the Skagerrak-Kattegat area and the Baltic proper.