

Sammanfattning

I Skagerrak var artrikedomen stor av speciellt diatoméer, men endast *Pseudo-nitzschia* spp* nådde höga celltal. Även i **Kattegatt** var artrikedomen stor. Här blommade *Pseudo-nitzschia* spp* med cellkoncentrationer över den rekommenderade gränsen. Dinoflagellater var också vanliga.

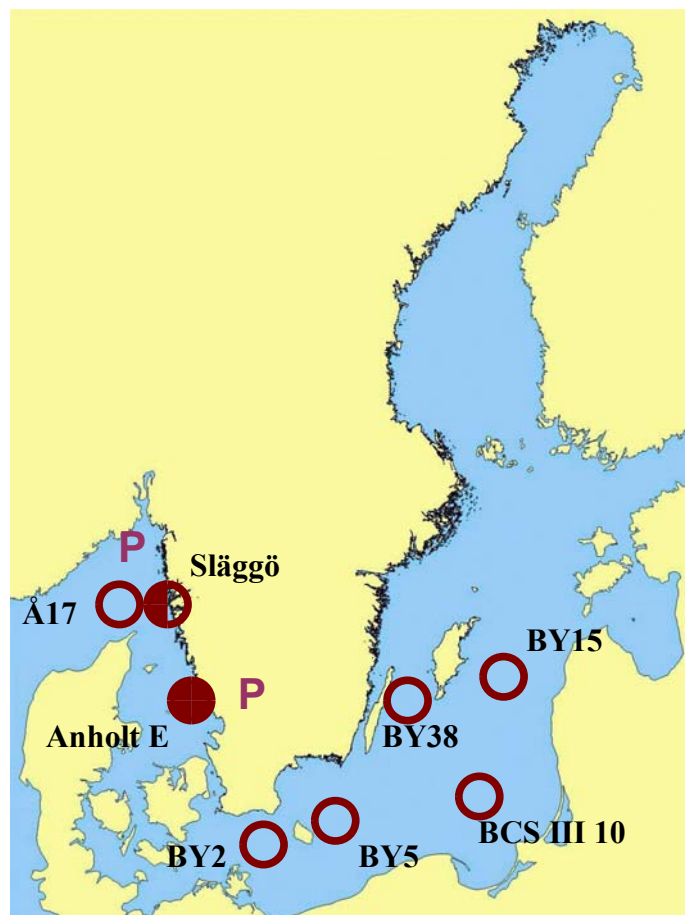
I **Östersjön** fanns bara små mängder växtplankton. Stora diatoméer dominerade. Cyanobakterier av släktena *Aphanizomenon* och *Nodularia** hade så gott som försvunnit.

Summary

In the Skagerrak the species diversity was large, especially among diatoms. But only *Pseudo-nitzschia* spp* reached high cell densities. In the **Kattegat** *Pseudo-nitzschia* spp* bloomed with cell densities above the recommended limit. Dinoflagellates were also common.

In **Baltic** there were only small amounts of phytoplankton. Large diatoms dominated. Cyanobacteria of the genera *Aphanizomenon* and *Nodularia** had disappeared almost completely.

●	Large amounts of algae
◐	Moderate amounts
◑	Small amounts
+	Fish killing species
A	Alexandrium spp., PSP
D	Dinophysis spp., DSP
P	<i>Pseudo-nitzschia</i> spp. ASP
C	Toxic cyanobacteria



DETAILS Based on quantitative samples 0-10 m depth and net samples *POTENTIALLY HARMFUL SPECIES

SKAGERRAK

Å17 15 December

The diversity of both diatoms and dinoflagellates was relatively large, but cell densities were generally low. Among the diatoms *Pseudo-nitzschia* spp.* dominated, followed by *Proboscia alata*.

Släggö 15 December

The diversity of both diatoms and dinoflagellates was large, but cell densities low. *Pseudo-nitzschia* spp.* were common together with *Skeletonema costatum*. *Proboscia alata* was also common. *Ceratium* and *Dinophysis* * species were present in low numbers.

KATTEGAT

Anholt E 14 December As in the Skagerrak the phytoplankton diversity was large, but the cell densities in general low. *Pseudo-nitzschia* spp.* bloomed with more than 1 million cells/l. *Proboscia alata* was also common. *Dinophysis** species were present, but in densities below recommended limits.

Selection of observed species

	Recommended limit	Å17 2005-12-15 cells/L	Släggö 2005-12-15 cells/L	Anholt E 2005-12-14 cells/L
Chaetoceros brevis			present	common
Chaetoceros danicus		present	present	present
Chaetoceros diadema		present		present
Chaetoceros similis		present		present
Coscinodiscus concinnus				present
Coscinodiscus radiatus			present	present
Ditylum brightwellii		present	present	present
Guinardia flaccida		present	present	present
Lauderia annulata				present
Proboscia alata		common	25 000	70 000
<i>Pseudo-nitzschia delicatissima</i> -group	1 million cells/liter	150 000	100 000	1 030 000
<i>Pseudo-nitzschia seriata</i> -group	1 million cells/liter	100 000	60 000	200 000
Rhizosolenia setigera		present	present	present
Skeletonema costatum			100 000	present
Thalassiosira angulata			present	present
Thalassiosira punctigera		present		present
Ceratium furca		present	present	present
Ceratium fusus			present	present
Ceratium horridum		present	present	
Ceratium lineatum		present	present	present
Ceratium macroceros			present	
Ceratium tripos		present	present	present
<i>Dinophysis acuminata</i>	900 cells/liter	present	present	200
<i>Dinophysis acuta</i>	300 cells/liter		present	100
<i>Dinophysis norvegica</i>	2000 cells/liter		present	200
<i>Dinophysis rotundata</i>	900 cells/liter			present
<i>Lingulodinium polyedrum</i>		present		
Polykrikos schwarzii		present		present
Prorocentrum micans			present	present
<i>Dictyocha speculum</i>		present	common	common

BALTIC SEA

Arkona basin BY2 13 December The flora was very poor with a few large species and some remaining filaments of *Aphanizomenon* sp. Some colonies of the cyanobacterium *Woronichinia* sp. was present.

Bornholm basin BY5 13 December The flora was very poor with a few large species. Also here some colonies of the cyanobacterium *Woronichinia* sp. was present.

South East Baltic BCS III 10 13 December There were no remains of the saline species, which were found at this station in November. The flora was very poor, with the exception of 3 500 *Coscinodiscus granii*/L.

Eastern Gotland basin BY15 12 December The flora was poor with a few large species. Some colonies of the cyanobacterium *Woronichinia* sp. was present.

Western Gotland basin BY38 5 December The plankton flora was poor also here. A few cells of *Dinophysis norvegica** and filaments of *Nodularia spumigena** were present.

Selection of observed species

	BY2 2005-12-13 cells/L	BY5 2005-12-13 cells/L	BCS III 10 2005-12-13 cells/L	BY15 2005-12-12 cells/L	BY38 2005-12-05 cells/L
<i>Actinocyclus octonarius</i>	present	present	present	present	present
<i>Chaetoceros danicus</i>	present			present	present
<i>Chaetoceros impressus</i>	present	present	present	present	present
<i>Coscinodiscus granii</i>		present	3 500	present	present
<i>Ceratium tripos</i>	present				
<i>Dinophysis norvegica</i>					present
<i>Planktonema lauterbornii</i>				present	
<i>Aphanizomenon</i> sp.	present				present
<i>Nodularia spumigena</i>					present
<i>Woronichinia</i> spp.	present	present		present	present