

Sammanfattning

I **Kattegat** blomnade *Pseudo-nitzschia* spp* med cellkoncentrationer över den rekommenderade gränsen. Även andra diatoméer var vanliga. Bland dinoflagellater fanns *Dinophysis acuta** i gränsvärdeskoncentrationer.

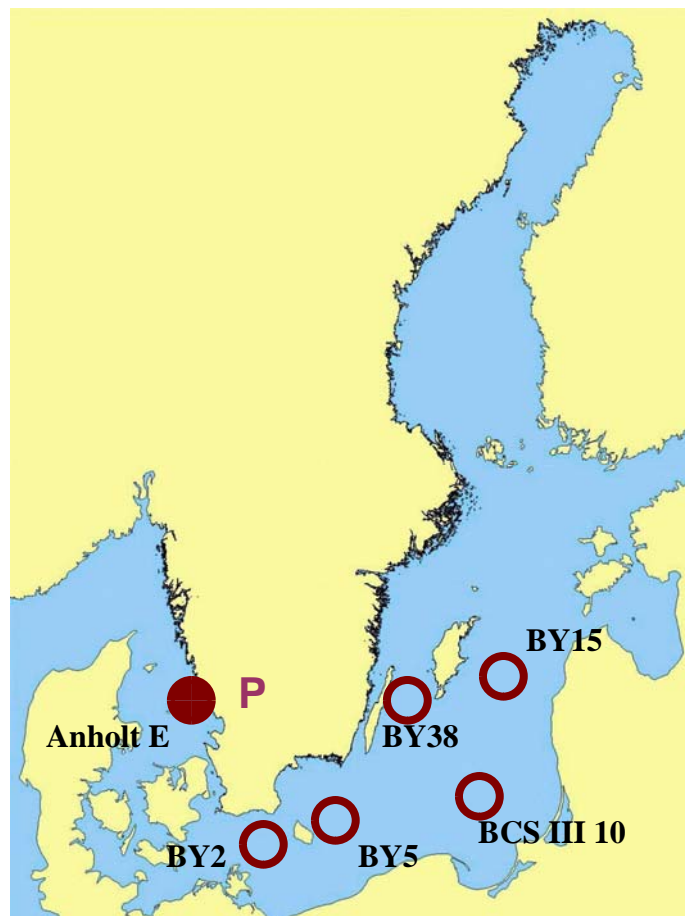
I **Östersjön** fanns bara små mängder växtplankton. Stora diatoméer dominerade. Det fanns fortfarande förhållandevis mycket *Aphanizomenon* sp. på de flesta provtagningsstationerna.

Summary

In the **Kattegat** *Pseudo-nitzschia* spp* bloomed with cell densities above the recommended limit. Other diatoms, as well as dinoflagellates were also common.

In **Baltic** there were only small amounts of phytoplankton. Large diatoms dominated. There were still quite a lot of *Aphanizomenon* sp. at most places

- Large amounts of algae
- Moderate amounts
- Small amounts
- † Fish killing species
- A Alexandrium spp., PSP
- D Dinophysis spp., DSP
- P *Pseudo-nitzschia* spp. ASP
- C Toxic cyanobacteria



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

KATTEGAT

Anholt E 14 November The plankton flora was rich in diatoms. *Pseudo-nitzschia delicatissima*-group* and *Pseudo-nitzschia seriata*-group* bloomed with 2 million and 200 000 cells/l respectively. Other diatoms of importance were *Chaetoceros socialis* var. *radians*, *Chaetoceros brevis* and *Skeletonema costatum*. *Ceratium* species were common with *C. lineatum* as dominant. *Dinophysis acuta** reached 300 cells/l.

Selection of observed species	Recommended limit	Anholt E 2005-11-14 cells/L
<i>Cerataulina pelagica</i>		present
<i>Chaetoceros brevis</i>		common
<i>Chaetoceros socialis</i> f. <i>radians</i>		100 000
<i>Coscinodiscus wailesii</i>		present
<i>Ditylum brightwellii</i>		1 000
<i>Guinardia delicatula</i>		present
<i>Guinardia flaccida</i>		common
<i>Dactyliosolen fragilissimus</i>		present
<i>Proboscia alata</i>		common
<i>Pseudo-nitzschia delicatissima</i> -group	1 million cells/liter	2 million
<i>Pseudo-nitzschia seriata</i> -group	1 million cells/liter	200 000
<i>Skeletonema costatum</i>		common
<i>Thalassionema nitzschioides</i>		common
<i>Thalassiosira angulata</i>		present
<i>Ceratium fusus</i>		present
<i>Ceratium lineatum</i>		common
<i>Ceratium tripos</i>		present
<i>Dinophysis acuta</i>	300 cells/liter	300
<i>Dinophysis norvegica</i>	2000 cells/liter	200
<i>Prorocentrum micans</i>		present
<i>Dictyocha speculum</i>		present

BALTIC SEA

Arkona basin BY2 15 November The flora was poor with a few large species and some remaining filaments of *Aphanizomenon* sp.

Bornholm basin BY5 15 November *Aphanizomenon* sp. was somewhat more common here and *Nodularia spumigena** was also present. *Chaetoceros impressus* dominated.

South East Baltic BCS III 10 16 November *Aphanizomenon* sp. was even more common in this area. Otherwise *Coscinodiscus granii* dominated. Two species which actually belong to more saline water were observed here; *Cerataulina pelagica* and *Pseudo-nitzschia delicatissima*-group*. This obviously indicates inflow of Kattegat water into the Baltic.

Eastern Gotland basin BY15 16 November *Coscinodiscus granii* dominated. Colonies of the cyanobacterium *Woronichinia* were relatively common.

Western Gotland basin BY38 18 November Very little phytoplankton were present here. But just like at BCS III there were traces of *Pseudo-nitzschia delicatissima*-group*.

Selection of observed species

	BY2 2005-11-15 cells/L	BY5 2005-11-15 cells/L	BCS III 10 2005-11-16 cells/L	BY15 2005-11-16 cells/L	BY38 2005-11-18 cells/L
<i>Actinocyclus octonarius</i>		net		present	
<i>Chaetoceros danicus</i>	present	net	present	present	present
<i>Chaetoceros impressus</i>	present	common	present	present	present
<i>Coscinodiscus granii</i>	common	present	3 000	3 000	net
<i>Cerataulina pelagica</i>	net		present		
<i>Pseudo-nitzschia delicatissima</i> -group			present		present
<i>Ceratium tripos</i>	present				
<i>Dinophysis norvegica</i>					present
<i>Planktonema lauterbornii</i>					present
<i>Aphanizomenon</i> sp.	0.1 m	0.2 m	0.4 m	0.1 m	present
<i>Nodularia spumigena</i>		0.3 m			
<i>Woronichinia</i> spp.		present		common	present