

No 1, 17– 21 January 2005

Sammanfattning

I **Skagerrak** och **Kattegatt** råder vinterförhållande. Enstaka celler av diatoméer och dinoflagellater påträffas. Planktonsamhällena är något rikare nära kusten och i Kattegatt.

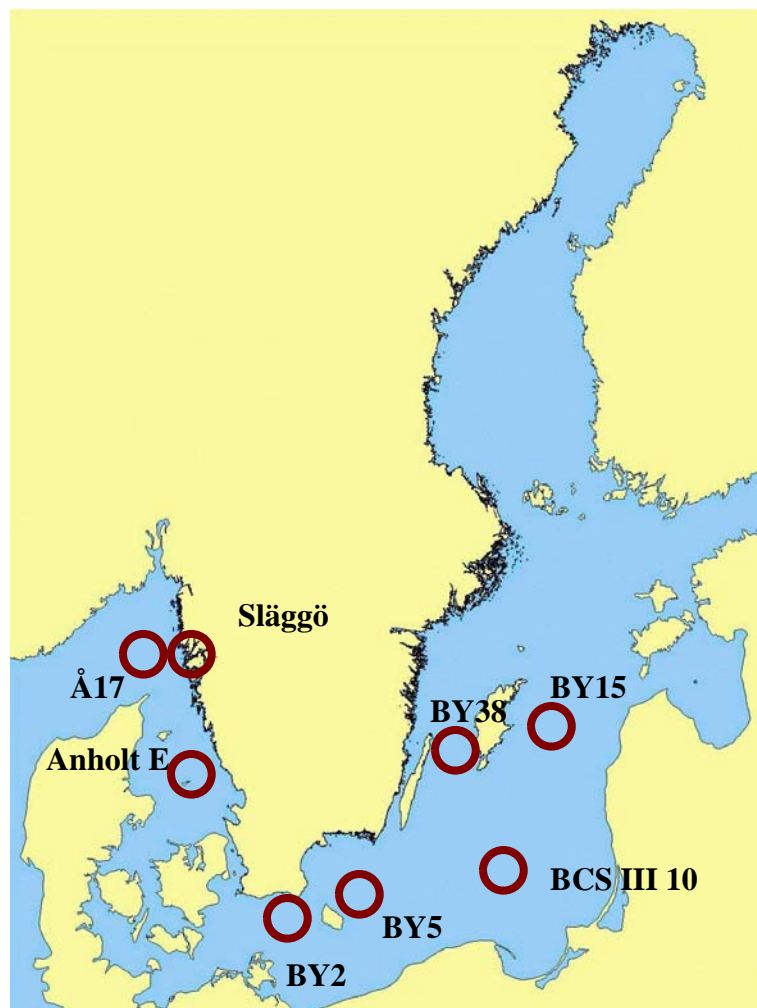
I **Östersjön** är planktonfloran också mycket fattig, och endast enstaka celler av stora diatoméer påträffas. Cryptophycéen *Teleaulax* sp. fanns i förhållandevis höga koncentrationer.

Summary

In the **Skagerrak** and **Kattegat** it is winter conditions. Single cells of diatoms and dinoflagellates are found. The plankton flora near the coast and in the Kattegat is somewhat richer.

In the Baltic the plankton flora is also very poor, and only single cells of large diatoms are seen. The Cryptophycean *Teleaulax* spp was present in relatively high concentrations.

- 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

SKAGERRAK

Å17 17 January

The plankton flora was very poor with small numbers of a few species. *Pseudo-nitzschia** species were the most abundant.

Släggö 17 January

The plankton flora was poor, but with more species than at Å17. Also here *Pseudo-nitzschia** was the most abundant genus.

KATTEGAT

Anholt E 18 January

The number of species was higher at this station, but cell density was low. About 20 different diatom species were present, with *Lithodesmium undulatum*, being the most uncommon in this area. Ceratians were the most common dinoflagellates.

	Recommended limit	Å17 2005-01-17 cells/L	Släggö 2005-01-17 cells/L	Anholt E 2005-01-18 cells/L
Coscinodiscus spp		in net sample		in net sample
Proboscia alata		present	present	in net sample
Leptocylindrus danicus				in net sample
Lithodesmium undulatum				present
<i>Pseudo-nitzschia delicatissima</i> -group	1 million cells/liter	present	1 000	present
<i>Pseudo-nitzschia seriata</i> -group	1 million cells/liter		present	
Skeletonema costatum			present	
Ceratium furca			present	present
Ceratium fusus				present
Ceratium longipes		in net sample	in net sample	present
Ceratium tripos		in net sample	present	present
<i>Dinophysis acuminata</i>	900 cells/liter			in net sample
Prorocentrum micans				present
<i>Protoperidinium curtipes</i>				present
<i>Dictyocha speculum</i>		present	present	

BALTIC SEA

Arkona basin BY2 19 January

A few large diatoms were present in the net sample. Otherwise there was almost only *Teleaulax* spp. and a few cells of *Dinophysis norvegica**.

Bornholm basin BY5 19 January

A few *Coscinodiscus granii* and filaments of *Aphanizomenon* sp. were seen in the net sample. *Teleaulax* spp. were common also here.

South East Baltic BCS III 10 19 January

As at the other stations only a few large diatoms were found in the net sample together with some filaments of *Aphanizomenon* sp.. *Teleaulax* spp. were common, but fewer here. *Dinophysis norvegica** was present with about 200 cells per liter.

Eastern Gotland basin BY15 20 January

A few large diatoms like *Actinocyclus*, *Chaetoceros* and *Coscinodiscus* species were present in the net sample, together with a few *Dinophysis acuminata** and *D. norvegica**. The quantitative sample was almost empty.

Western Gotland basin BY38 21 January

The same large diatoms and dinoflagellates as at BY15 were seen here. *Aphanizomenon* sp. was found in the net sample. *Teleaulax* spp. were relatively common.

	BY2 2005-01-19 cells/L	BY5 2005-01-19 cells/L	BCS III 10 2005-01-19 cells/L	BY15 2005-01-19 cells/L	BY38 2005-01-19 cells/L
<i>Actinocyclus octonarius</i>				in net sample	in net sample
<i>Chaetoceros danicus</i>	in net sample		in net sample		present
<i>Chaetoceros impressus</i>			in net sample	in net sample	
<i>Coscinodiscus granii</i>	in net sample	in net sample	in net sample	in net sample	in net sample
<i>Dinophysis acuminata</i> *				in net sample	in net sample
<i>Dinophysis norvegica</i> *	in net sample		200	in net sample	present
<i>Teleaulax</i> spp.	30 000	20 000	10 000		20 000
<i>Pyramimonas</i> spp.		present			
<i>Aphanizomenon</i> sp		in net sample	in net sample	in net sample	