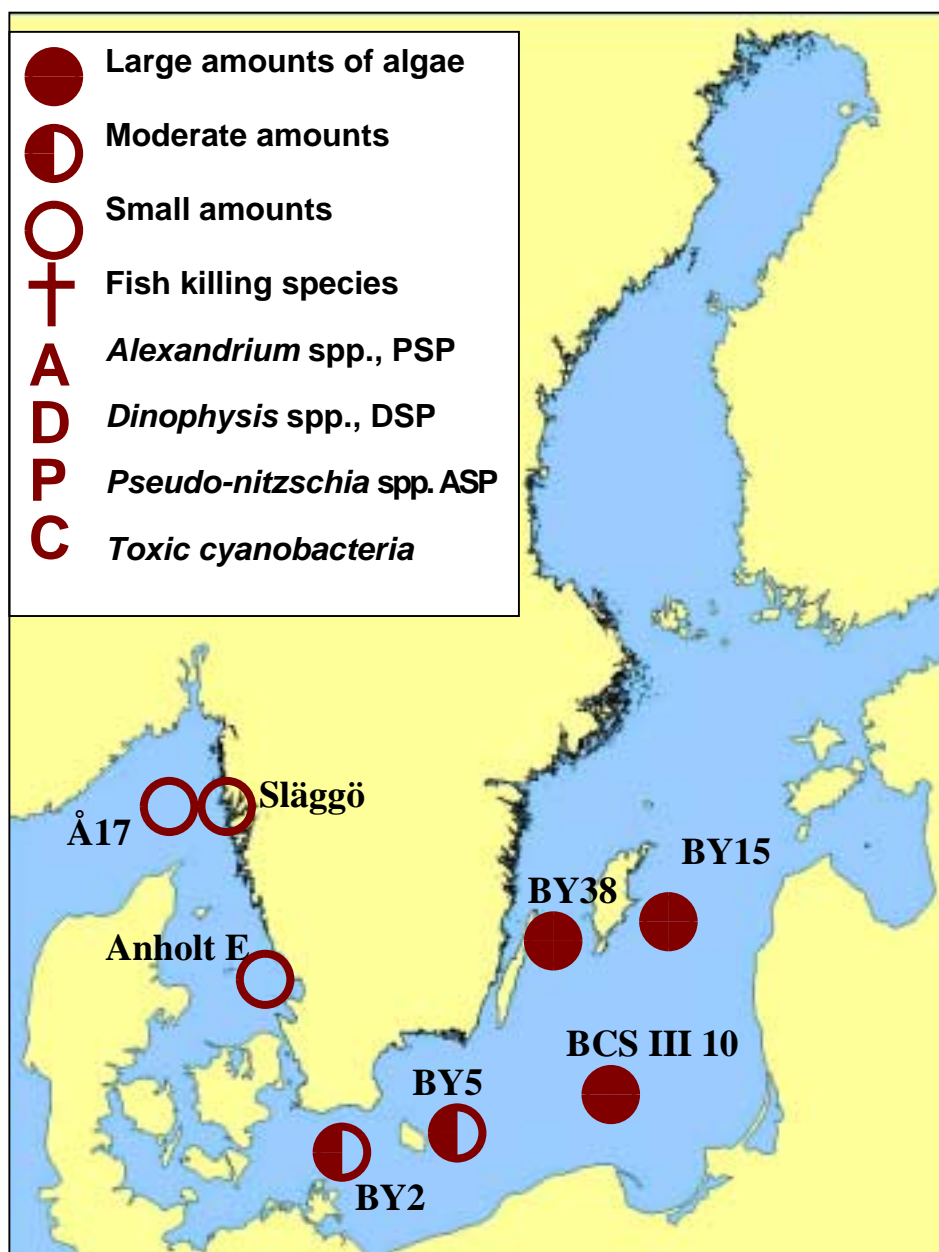


No 4, 2003, 7 - 12 April

### OVERVIEW

In the Skagerrak and the Kattegat the spring bloom has terminated and the plankton flora is poor, although in a late state of the bloom near the coast.

In the southwest part of the Baltic the spring bloom has terminated. Further east and north the spring bloom is going on.



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## ALGAL SITUATION IN SWEDISH MARINE WATERS

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### DETAILS

\* POTENTIALLY HARMFUL SPECIES

#### SKAGERRAK

##### Station Å17, 7 April

The spring bloom has terminated and only small amounts of phytoplankton were present. Among diatoms *Guinardia delicatula* and *Leptocylindrus danicus* were the most common. Also dinoflagellates were few, but presence of single cells of the potentially toxic *Alexandrium tamarense*\* and *Dinophysis norvegica*\* was noted. Some large colonies of *Phaeocystis* sp. were seen.

##### Station Släggö, 7 April

The spring bloom has terminated and very little phytoplankton was seen. Among diatoms *Skeletonema costatum* was the most common. Dinoflagellates were almost missing, whereas ciliates were common

#### KATTEGAT

##### Station Anholt E, 8 and 12 April

At the first sampling there were small remains of *Chaetoceros* species and *Skeletonema costatum*, which then had disappeared until the second sampling. The potentially toxic *Pseudo-nitzschia delicatissima*\*, *Chrysochromulina* sp. \*, *Dinophysis norvegica*\* and *Alexandrium* sp. \* were found in small numbers. Small Cryptophyceans increased between the two samplings.

	2003-04-07	2003-04-07	2003-04-08	2003-04-12
	Å17	Släggö	Anholt E	Anholt E
<i>Chaetoceros constrictus</i>	small amounts	common	small amounts	
<i>Chaetoceros debilis</i>		common		
<i>Chaetoceros decipiens</i>		small amounts	small amounts	
<i>Guinardia delicatula</i>	13 000	small amounts	small amounts	
<i>Guinardia flaccida</i>	present	small amounts	present	present
<i>Leptocylindrus danicus</i>	20 000		12 000	small amounts
<i>Pseudo-nitzschia delicatissima</i> -group *				1 000
<i>Skeletonema costatum</i>		14 000	common	
<i>Alexandrium tamarense</i> *	present			
<i>Alexandrium</i> sp. *	present			present
<i>Ceratium longipes</i>	present	present	present	
<i>Ceratium tripos</i>	present		present	present
<i>Dinophysis norvegica</i> *	present		present	
<i>Peridiniella danica</i>			common	
<i>Scrippsiella</i> sp. (l 20, b 15)	10 000			
<i>Apedinella radians</i>	small amounts			small amounts
<i>Dinobryon balticum</i>	small amounts		small amounts	common
<i>Plagioselmis prolunga</i>	7 000			small amounts
<i>Teleaulax</i> spp.	common			50 000
<i>Pyramimonas</i> spp.	30 000			
<i>Chrysochromulina</i> sp. (6-10 µm) *				5 000
<i>Phaeocystis</i> sp.	small amounts			

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## ALGAL SITUATION IN SWEDISH MARINE WATERS

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### BALTIC SEA

#### Arkona basin. Station BY2, 8 April

There were still remains of the spring bloom, with relatively high numbers of *Skeletonema costatum*, *Peridiniella catenata* and *Scrippsiella hangoei*.

#### Bornholm basin. Station BY5, 8 April

The spring bloom was still going on with high abundance of *Skeletonema costatum*, *Chaetoceros wighamii* and *Thalassiosira levanderi*. The dinoflagellate *Scrippsiella hangoei* was also very common.

#### Southeast Baltic. Station BCS III 10, 9 April

The spring bloom was still going on with high abundance of diatoms. *Skeletonema costatum* had about 2.5 million cells per liter and *Thalassiosira levanderi* about 2 million. The dinoflagellates *Peridiniella catenata* and *Scrippsiella hangoei* were also very common.

#### Eastern Gotland basin, Station BY15, 10 April

The spring bloom was going on with high numbers of *Skeletonema costatum*, *Chaetoceros wighamii*, *Peridiniella catenata* and *Scrippsiella hangoei*. There were also small flagellates and single filaments of *Aphanizomenon* sp..

#### Western Gotland basin, Station BY38, 11 April

The spring bloom was going on with high numbers of *Skeletonema costatum*, *Chaetoceros wighamii* and *Peridiniella catenata*. There were also small flagellates and single filaments of *Aphanizomenon* sp..

	2003-04-08	2003-04-08	2003-04-09	2003-04-10	2003-04-11
	BY2	BY5	BCS III 10	BY15	BY38
<i>Achnanthes taeniata</i>				small amounts	
<i>Chaetoceros ceratosporum</i>		common			
<i>Chaetoceros holsaticus</i>		common			
<i>Chaetoceros similis</i>		small amounts			
<i>Chaetoceros wighamii</i>	common	100 000	common	common	common
<i>Melosira arctica</i>	small amounts				small amounts
<i>Skeletonema costatum</i>	very common	400 000	2 500 000	very common	very common
<i>Thalassiosira baltica</i>		common	common		
<i>Thalassiosira levanderi</i>		very common	2 000 000	common	common
<i>Gymnodinium</i> spp. (50)		common	small amounts	common	small amounts
<i>Heterocapsa rotundata</i>		small amounts			small amounts
<i>Katodinium glaucum</i> (20)		small amounts			
<i>Peridiniella catenata</i>	very common	common	80 000	common	common
<i>Scrippsiella hangoei</i>	common	very common	small amounts	common	small amounts
<i>Dinobryon faculiferum</i>	present				
<i>Teleaulax</i> spp.	small amounts			present	present
<i>Pyramimonas</i> spp.					small amounts
<i>Eutreptiella</i> sp.				present	present



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**ALGAL SITUATION IN  
SWEDISH MARINE WATERS**

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Aphanizomenon sp.				present	small amounts
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