

Oceanographic Services

Lars Edler

ALGAL SITUATION IN SWEDISH MARINE WATERS

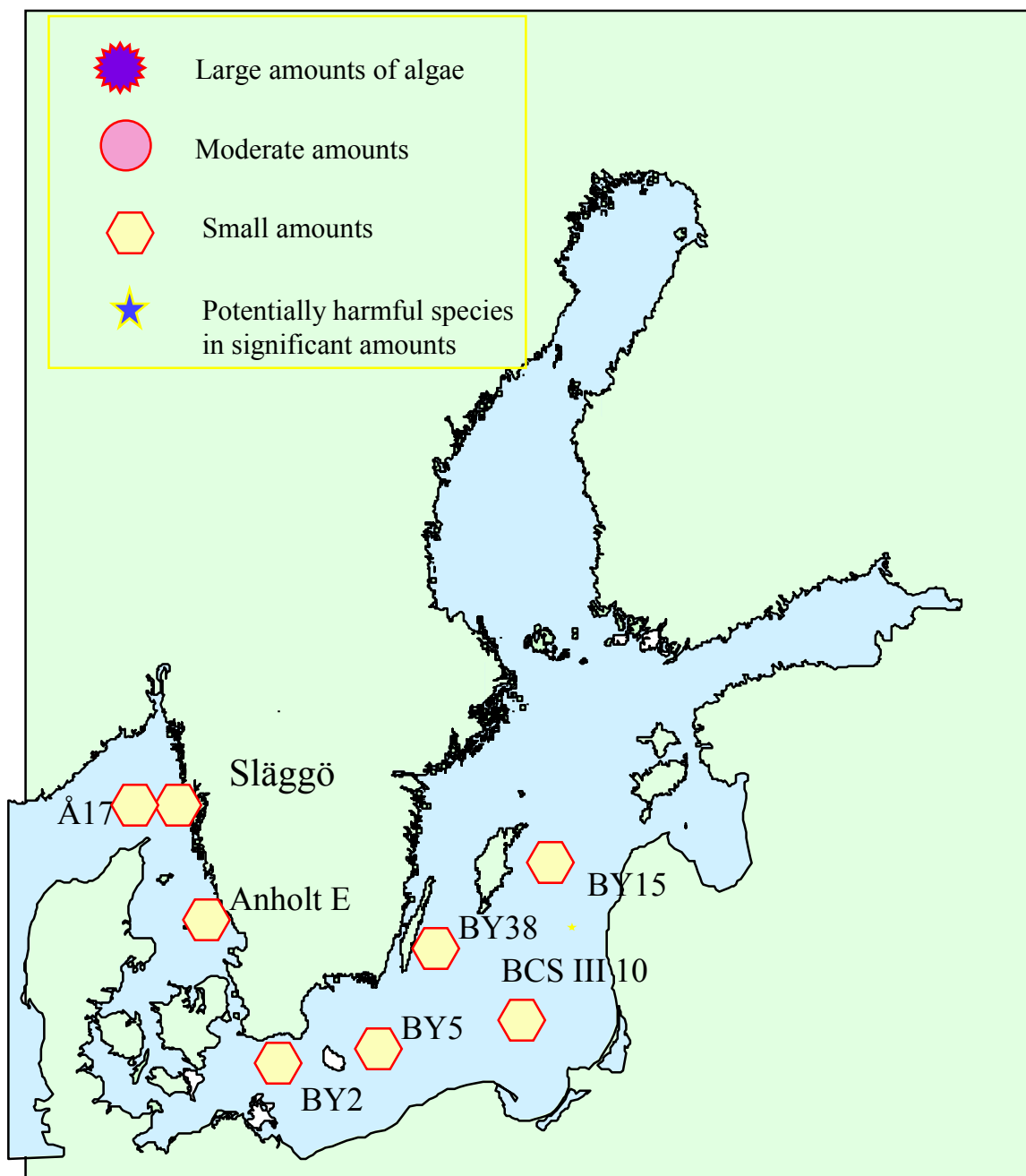
No 8, 2002, 2 - 12 December

OVERVIEW

A winter situation with small amounts of phytoplankton is at hand.

In the Skagerrak and Kattegat *Ceratians* and *Thalassiosira punctigera* are the most common species.

In the Baltic *Chaetoceros impressus* and *C. danicus* together with *Dinophysis acuminata**, *D. norvegica** and *Aphanizomenon* sp., all in very small amounts, dominate.



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**ALGAL SITUATION IN
SWEDISH MARINE WATERS****No 8, 2002, 2 - 12 December****DETAILS**

* POTENTIALLY HARMFUL SPECIES

Sampling in the Skagerrak, Kattegat and the Baltic Sea**SKAGERRAK****Station Å17, 12 December**

Relatively small amounts of phytoplankton. Among diatoms, the rather rare *Thalassiosira punctigera* was present with about 2 000 cells per liter. *Ceratium lineatum* and *C. tripos* were the most common dinoflagellates. *Dinophysis acuta** was present with about 150 cells per liter.

Station Släggö, 11 December

Ceratians dominated with about 11 000 cells per liter of *C. lineatum* and 2 000 cells per liter of *C. fusus*. Among diatoms, *Thalassiosira punctigera* was present with about 2 000 cells per liter. *Dinophysis acuminata**, *D. acuta** and *D. norvegica** were present with less than 100-200 cells per liter each. The net sample showed many more *Ceratians* and several species of *Protoperidinium*. The very large diatom *Coscinodiscus wailesii* was common in the net sample.

KATTEGAT**Station Anholt E, 11 December**

A poor plankton flora dominated by diatoms in small densities. *Thalassiosira punctigera* was present with about 1 000 cells per liter. Dinoflagellates were rare. A few cells of *Dinophysis acuta** were present.

BALTIC SEA**Arkona basin. Station BY2, 10 December**

A very poor plankton flora. Small flagellates dominated. Most common was *Teleaulax* sp. with about 34 000 cells per liter. Among larger forms, the diatom *Chaetoceros impressus* was found. In the net sample *Coscinodiscus* sp. and *Aphanizomenon* sp. were observed.

Bornholm basin. Station BY5, 10 December



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Similar to Arkona Basin, but more of the large diatoms *Chaetoceros impressus*, and *C. danicus*. In the net sample *Aphanizomenon* sp. was seen.

Southeast Baltic, Station BCS III 10, 9 December

Similar to Bornholm Basin, but more of the large diatoms *Chaetoceros impressus*, *C. danicus*, *Coscinodiscus granii* and *Actinocyclus octonarius*. In the net sample *Dinophysis acuminata**, *D. norvegica** and *Aphanizomenon* sp. were seen.

Eastern Gotland basin, Station BY15, 9 December

Very similar to the southeast Baltic.

Western Gotland basin, Station BY38, 2 December

Hardly any phytoplankton observed at this station in the quantitative sample. Only a few cells of *Pyramimonas* sp. and *Choanoflagellates* were seen. In the net sample, however, both *Aphanizomenon* sp. and *Nodularia spumigena**, as well as *Ebria tripartita* and *Gyrodinium spirale* were found. The diatoms *Thalassiosira baltica* and *Chaetoceros wighamii*, both typical for the spring bloom, were also seen.