

Oceanographic Services

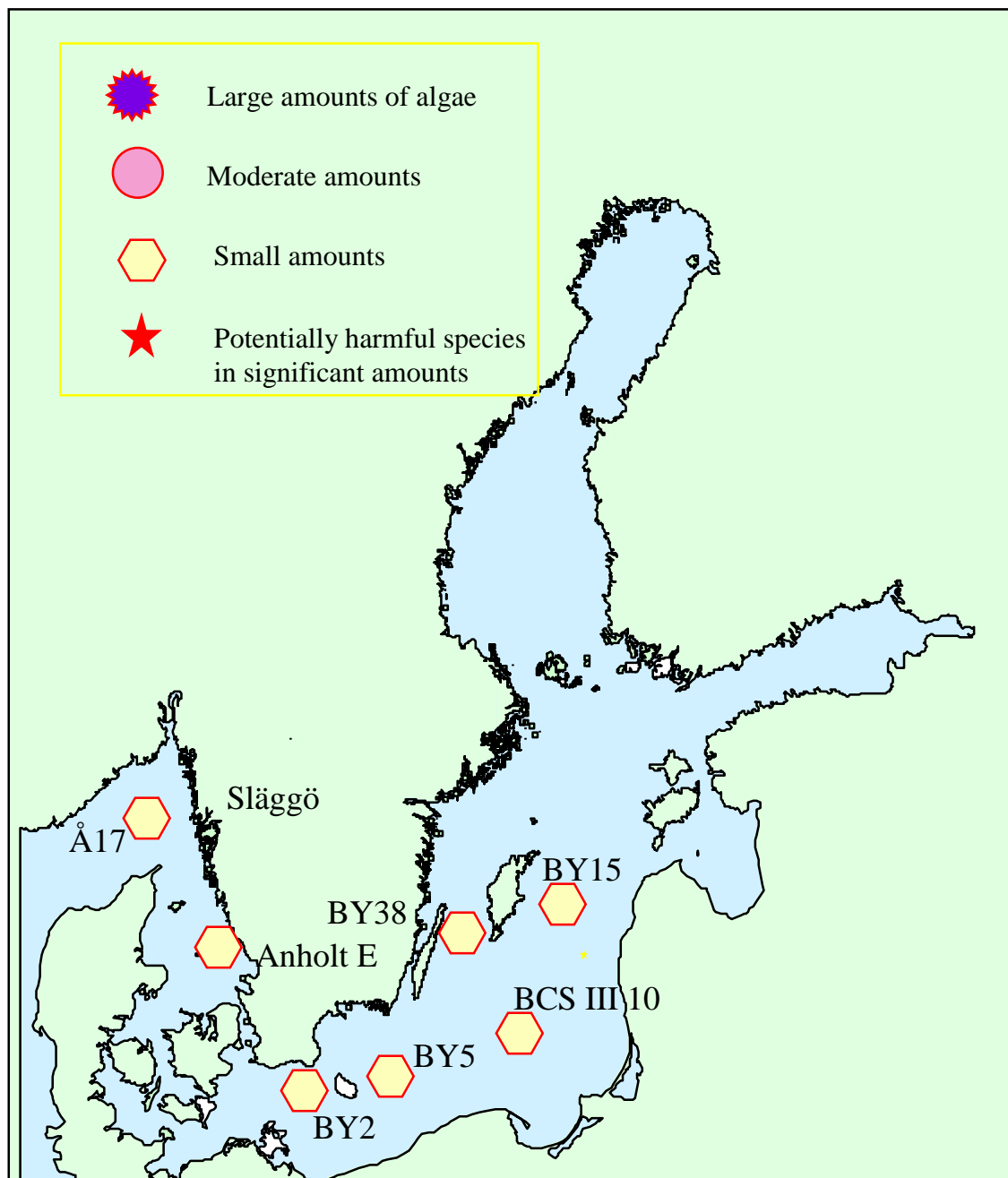
Lars Edler

ALGAL SITUATION IN SWEDISH MARINE WATERS

No 5, 2001, 9 - 14 July

Quantitative samples were obtained within SMHI's regular monitoring programme, covering the Skagerrak, Kattegat, Sound and Baltic proper. The samples were scanned for toxic and dominating species of phytoplankton.

OVERVIEW



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**ALGAL SITUATION IN
SWEDISH MARINE WATERS****No 5, 2001, 9 - 14 July****DETAILS**

* POTENTIALLY HARMFUL SPECIES

SKAGERRAK**Station Å17, 9 JULY**

Poor plankton flora. Few Ceratians and diatoms. Small flagellates dominated with about 2 millions cells/l.

KATTEGAT**Station Anholt E, 10 JULY**

Monads and flagellates less than 10 µm were most abundant with more than 1 million cells/l. The diatoms *Proboscia alata* and *Cerataulina pelagica* were common. Dinoflagellates were rare. The blue-green *Anabaena* sp., which is rare in the Kattegat, was common with about 2 million cells/l.

Station Anholt E, 14 JULY

Similar to four days before. *Monads and flagellates* less than 10 µm were most abundant with more than 2 million cells/l. *Proboscia alata* and *Dactyliosolen fragilissimus* were common. Single cells of *Dinophysis norvegica**. Several other dinoflagellates, but in very low numbers. The blue-green *Anabaena* sp., which is rare in the Kattegat, was still there, but less abundant compared to four days ago.

BALTIC SEA**Arkona basin. Station BY2, 11 JULY**

Aphanizomenon sp. dominated completely with about 2 m/l. Very few other phytoplankton. Small amounts of *Dinophysis acuminata* in the net sample, ie. below 10 m depth.

Bornholm basin. Station BY5, 11 JULY

Poor plankton flora. Filaments of *Aphanizomenon* sp. and *Nodularia spumigena**, as well as single cells of *Actinocyclus octonarius* and *Dinophysis* spp.* in the net sample. Much detritus in the sample.

Southeast Baltic, Station BCS III 10, 11 JULY

Poor plankton flora. Filaments of *Aphanizomenon* sp. and very little *Nodularia spumigena**. Single cells of *Dinophysis norvegica* * and *Dinophysis acuminata** in the net sample.

Eastern Gotland basin, Station BY15, 12 JULY

Poor plankton flora. Filaments of *Aphanizomenon* sp. and very little *Nodularia spumigena**. Single cells of *Dinophysis norvegica* * and *Dinophysis acuminata** in the net sample.

Western Gotland basin, Station BY38, 12 JULY

Very poor plankton flora. Filaments of *Aphanizomenon* sp. and very little *Nodularia spumigena**. Single cells of *Dinophysis norvegica* * and *Dinophysis acuminata** in the net sample.