

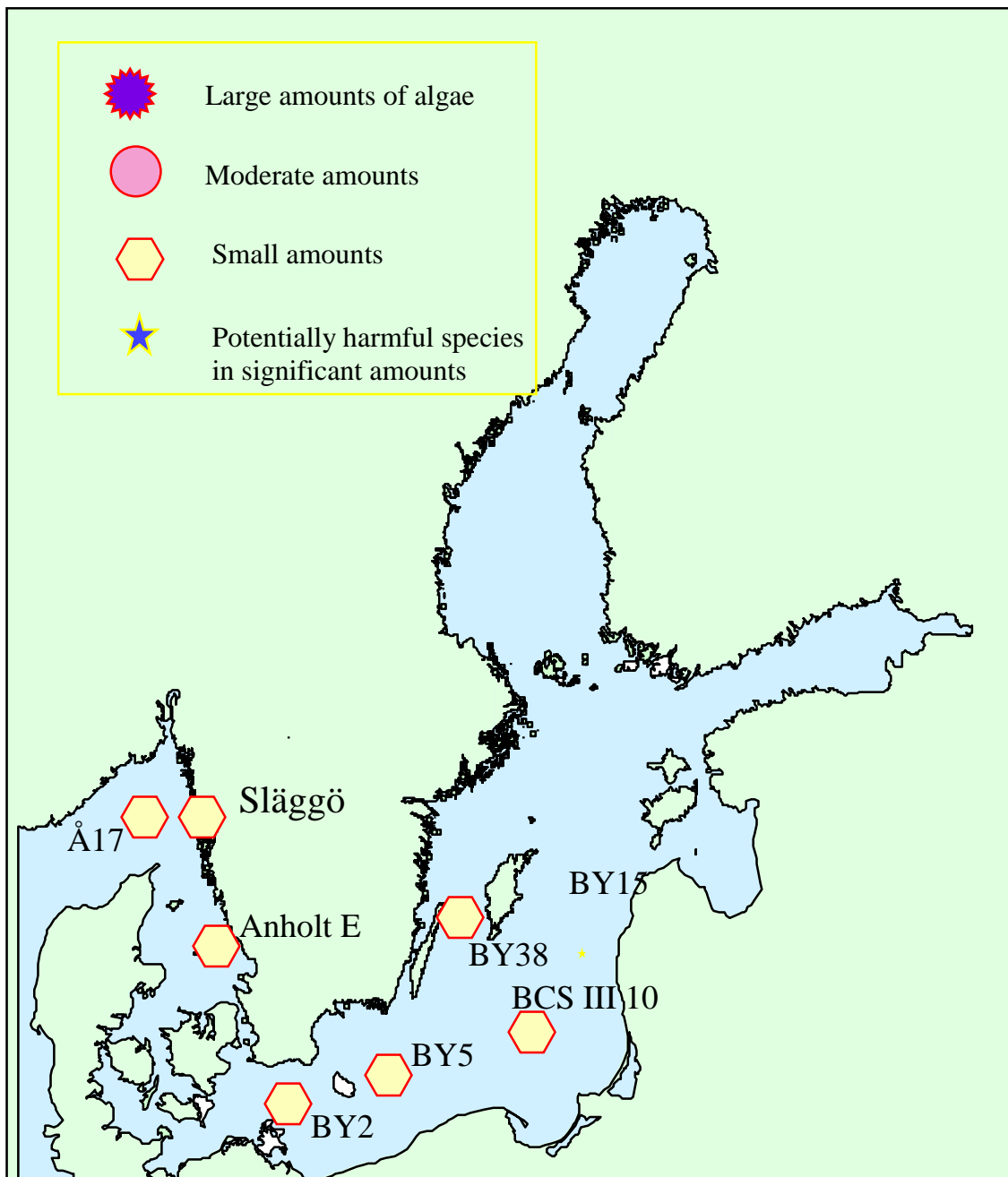
Oceanographic Services

Lars Edler

ALGAL SITUATION IN SWEDISH MARINE WATERS

No 1, 2002, 18 - 21 February

OVERVIEW



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**ALGAL SITUATION IN
SWEDISH MARINE WATERS****No 1, 2002, 18 - 21 February****DETAILS**

* POTENTIALLY HARMFUL SPECIES

Sampling in the Skagerrak, the Kattegat and the Baltic Sea**SKAGERRAK****Station Å17, 18 FEBRUARY**

Winter conditions with very small amounts of phytoplankton. Dominance of Cryptophyceans, e.g. *Teleaulax* spp., the Prasinophyean *Pyramimonas* spp., and small monads and flagellates abundant. The dinoflagellate cf. *Scrippsiella* sp. and the diatom *Cylindrotheca closterium* were the only other species present in any noticeable amount.

Station Släggö, 18 FEBRUARY

Similar to Å17 with winter conditions and very small amounts of phytoplankton. Dominance of Cryptophyceans, e.g. *Teleaulax* spp., the Prasinophyean *Pyramimonas* spp. and small monads and flagellates abundant. The dinoflagellate *Gymnodinium* spp. and the diatom *Skeletonema costatum* present as single cells or chains.

KATTEGAT**Station Anholt E, 27 FEBRUARY**

Single cells of *Ceratium furca* and *C. lineatum* and of the potentially toxic *Dinophysis acuminata** and *D. norvegica** present. Although in very low cell density, several species of the diatom genus *Chaetoceros* were present. Other diatoms present in low density were *Detonula confervacea*, *Rhizosolenia hebetata* and *Skeletonema costatum*. The Cryptophycean *Teleaulax* spp. and small monads and flagellates common.

BALTIC SEA**Arkona basin. Station BY2, 20 FEBRUARY**

Very poor planktonflora. Single cells of the diatoms *Skeletonema costatum*, *Actinocyclus octonarius*, the dinoflagellate *Peridiniella catenata*. Filaments of the cyanobacterium *Aphanizomenon* sp. (baltica) present in the net sample.



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Bornholm basin, Station BY5, 20 FEBRUARY

Similar to BY2 with the addition of the diatoms *Chaetoceros danicus*, *C. impressus* and *Coscinodiscus* sp. and the potentially toxic *Dinophysis norvegica** in the net sample.

Southeast Baltic, Station BCS III 10, 21 FEBRUARY

As station BY5.

Western Gotland basin, Station BY38, 21 FEBRUARY

As station BCS III 10.