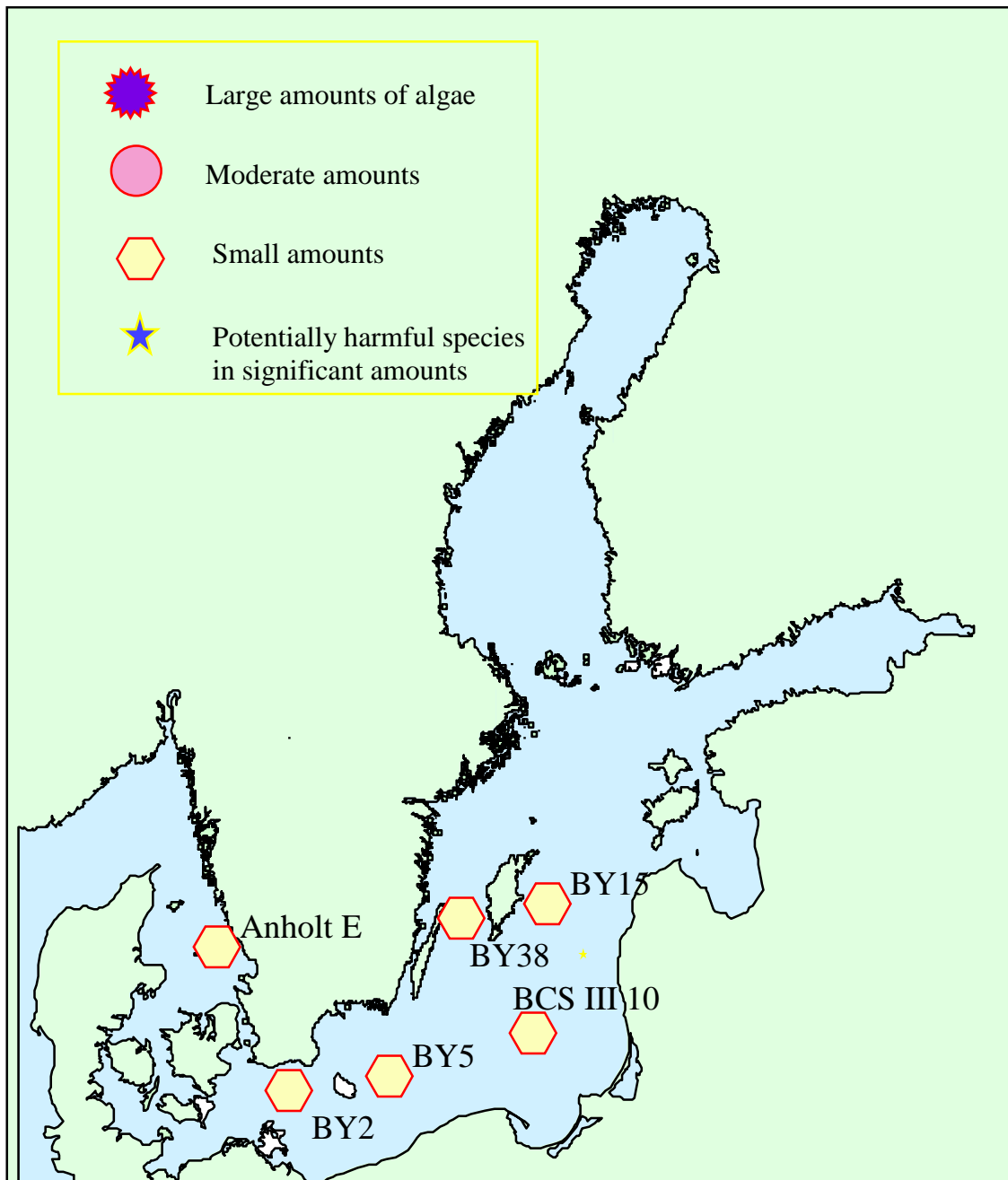


Oceanographic Services
Lars Edler

ALGAL SITUATION IN SWEDISH MARINE WATERS

No 3, 2002, 14 - 18 May

OVERVIEW



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DETAILS

* POTENTIALLY HARMFUL SPECIES

Sampling in the Kattegat and the Baltic Sea

KATTEGAT

Station Anholt E, 14 MAY

Poor flora with dominance of *Skeletonema costatum*. Single cells of *Ceratians*. *Chrysochromulina* spp.* present with about 50 000 cells per liter. A possible *Alexandrium minutum** was also observed in small numbers (< 1 000 cells per liter). *Ciliates* relatively common.

Station Anholt E, 18 MAY

Very similar to the situation four days earlier, but even poorer. Again dominance of *Skeletonema costatum* with about 10 000 cells per liter. Very few species of dinoflagellates. *Chrysochromulina* spp.* present with about 35 000 cells per liter. *Ciliates* common.

BALTIC SEA

Arkona basin. Station BY2, 14 MAY

Small species dominated this post spring situation. Among the most common were *Pyramimonas* sp., *Plagioselmis prolunga*, *Chrysochromulina* sp.* and *Dinobryon balticum*. *Aphanizomenon* sp. was present in the net hauls only. Very small amounts of *Skeletonema costatum* and *Thalassiosira baltica* were found. *Ciliates* were very abundant.

Bornholm basin. Station BY5, 15 MAY

Also here small flagellates dominated the planktonflora. *Pyramimonas* sp., *Plagioselmis prolunga* and *Dinobryon balticum* were common. Small amounts of *Skeletonema costatum* and *Thalassiosira baltica*, as well as *Dinophysis acuminata**, *D. norvegica**, *Peridiniella catenata*, *Scrippsiella hangoei* and *Amylax triacantha* were found. *Aphanizomenon* sp. was present in the net hauls only. *Ciliates* were very abundant.

Southeast Baltic, Station BCS III 10, 15 MAY

Again small flagellates predominated with *Pyramimonas* sp., *Plagioselmis prolunga* and *Dinobryon balticum* being the most common. Small amounts of *Thalassiosira baltica*, as well as *Dinophysis acuminata**. Single cells of *Peridiniella catenata* and *Scrippsiella hangoei* were seen. *Aphanizomenon* sp. was present in the net hauls only. *Ciliates* were abundant.

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Eastern Gotland basin, Station BY15, 16 MAY

Dominance of small flagellates with *Pyramimonas* sp., *Plagioselmis prolonga*, *Pseudopedinella tricostata*, *Chrysochromulina* sp.* and *Dinobryon balticum* being the most common. Small amounts of *Thalassiosira baltica*, *Chaetoceros wighamii*. Single cells of *Peridiniella catenata* and *Gymnodinium* sp. were seen. *Aphanizomenon* sp. was present in the net hauls only. *Ciliates* were common.

Western Gotland basin, Station BY38, 16 MAY

A poor plankton flora dominated by small flagellates; *Pyramimonas* sp., *Plagioselmis prolonga*, *Pseudopedinella tricostata*, *Chrysochromulina* sp.* and *Dinobryon balticum*. Small amounts of *Thalassiosira baltica* and *Actinocyclus octonarius* as well as *Dinophysis acuminata**. *Aphanizomenon* sp. was present in net hauls only. *Ciliates* were abundant.