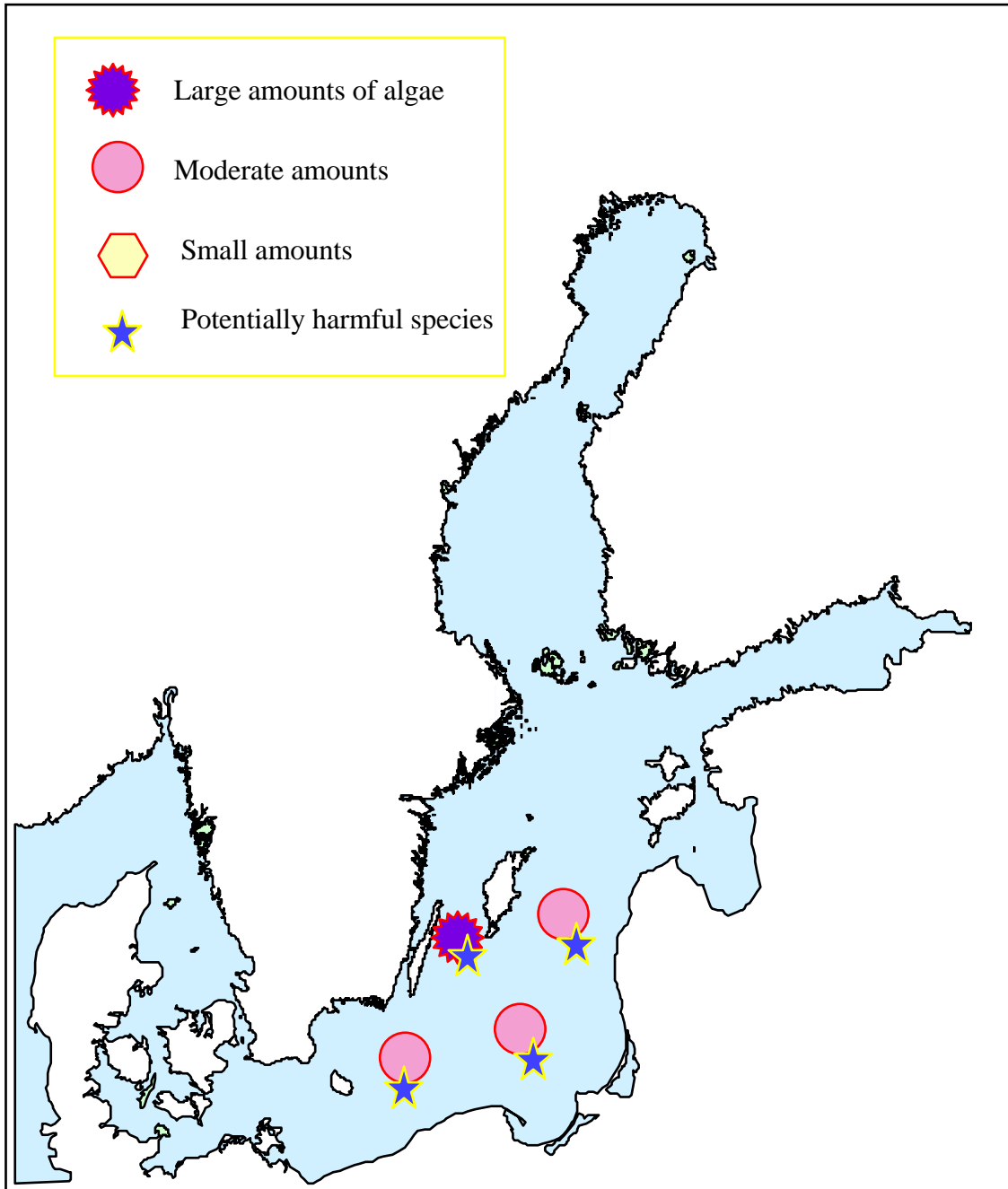


ALGAL SITUATION IN SWEDISH MARINE WATERS No 5, 1998 KEY MAP

2-6 March 1998

Sampling in the Baltic Sea



ALGAL SITUATION IN SWEDISH MARINE WATERS No 5, 1998 DETAILS

2-6 March 1998

* POTENTIALLY HARMFUL SPECIES

Sampling in the Baltic Sea

Bornholm basin, 2 March, Station BY5:

The bluegreen algae Aphanizomenon "baltica" is common. The diatoms Chaetoceros danicus and C. sp. A (cf. danicus) are present. The rich presence of the dinoflagellate Peridiniella catenata reveals the start of the spring bloom. Small amounts of other spring bloom species, as Skeletonema costatum, Chaetoceros ceratosporus and C. wighamii. Occasional cells of Dinophysis acuminata*.

Southeast Baltic, 3 March, Station BCS III 10:

Similar to Station BY5. The bluegreen algae Aphanizomenon "baltica" is common. The diatoms Chaetoceros danicus and C. sp. A (cf. danicus) are present. Rich presence of the dinoflagellate Peridiniella catenata and small amounts of Skeletonema costatum and Thalassiosira baltica reveals the start of the spring bloom. Dinophysis acuminata* and D. norvegica* not uncommon.

Eastern Gotland basin, 4 March, Station BY15:

Very similar to Station BCS III 10, but lower abundance of all species. Occasional filaments of the bluegreen algae Nodularia spumigena. Dinophysis norvegica* more common than D. acuminata *.

Western Gotland basin, 6 March, Station BY38:

Ongoing springbloom dominated by Thalassiosira baltica. Skeletonema costatum, Melosira arctica and Thalassiosira levanderii also relatively common, as the dinoflagellate Peridiniella catenata. The bluegreen algae Aphanizomenon "baltica" scattered. Single cells of Dinophysis acuminata*.

This report is based on net samples from the upper 20 m.

FORECAST

The spring bloom has started slowly in the south parts and is expected to develop further the next few weeks. In southeast Baltic and the eastern Gotland basin the spring development is slower. In the western Gotland basin the spring bloom is well underway and will probably culminate before the end of March.