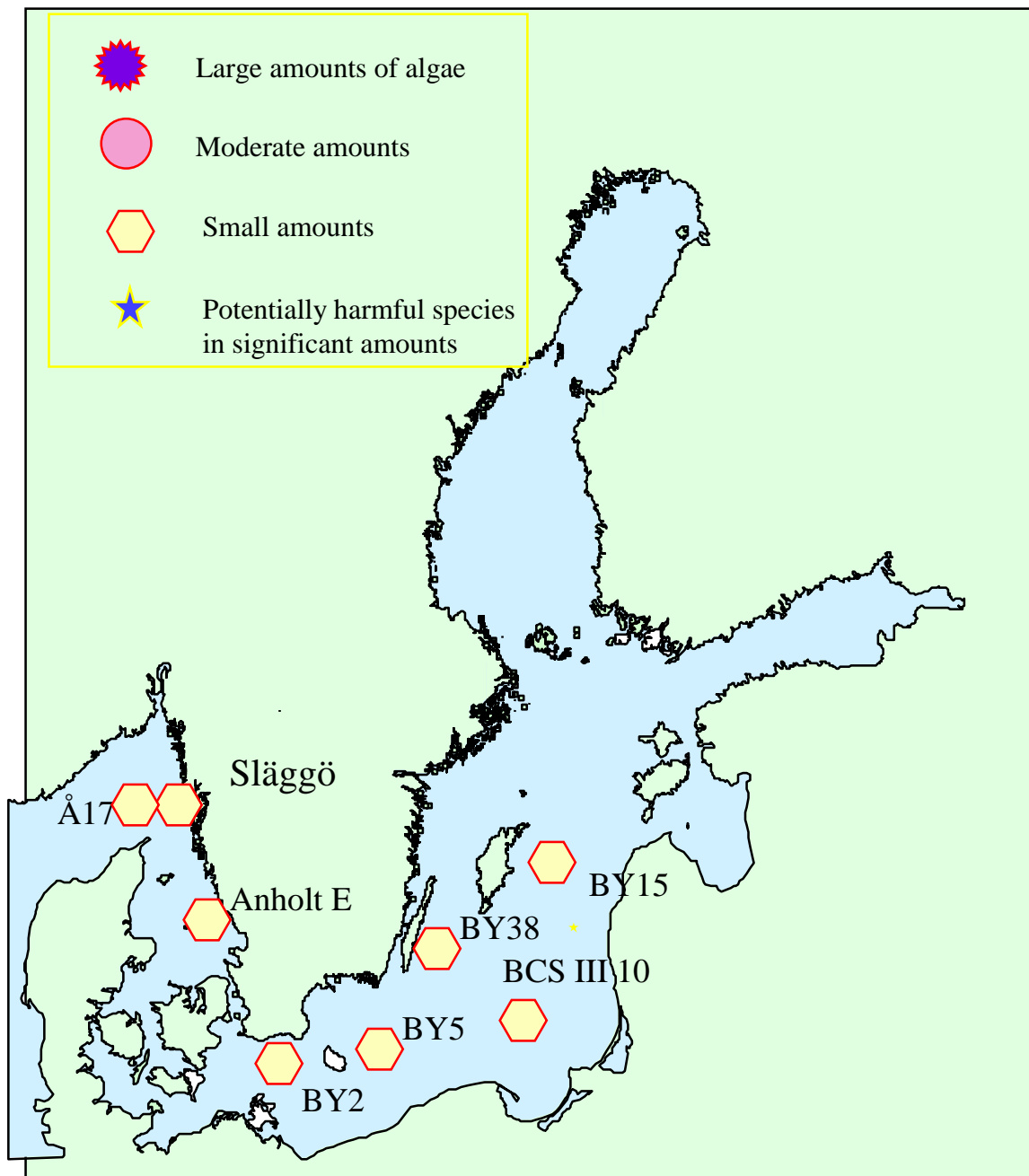


No 1, 2003, 13 - 19 January

OVERVIEW

In the Skagerrak and Kattegat the species diversity was high, indicating a pre stadium of the springbloom. Typical spring species of diatoms, mainly *Skeletonema costatum* dominated.

In the Baltic Sea there was a winter situation with very small amounts of phytoplankton.



Oceanographic Services
Lars Edler

ALGAL SITUATION IN SWEDISH MARINE WATERS

No 1, 2003, 13 - 19 January

DETAILS

* POTENTIALLY HARMFUL SPECIES

SKAGERRAK

Station Å17, 13 January

Skeletonema costatum, followed by *Thalassionema nitzschioides* dominated the plankton flora. Single cells of *Ceratians* and *Gymnoids* were also found together with *Teleaulax* spp.

Station Släggö, 13 January

Also here *Skeletonema costatum* dominated, this time followed by *Navicula transitans*. *Ceratians* and the *Cryptophyceans* *Teleaulax* spp. were present in small numbers.

KATTEGAT

Station Anholt E, 19 January

Again *Skeletonema costatum* dominated, here followed by *Guinardia delicatula* and *Guinardia flaccida*. Small amounts of *Pseudo-nitzschia* cf. *delicatissima** were also observed. Among dinoflagellates, *Ceratium lineatum* together with *Scrippsiella* sp. were the most common. *Cryptophyceans* with *Teleaulax* spp. and *Leucocryptos marina* were also found.

	Å17 Skagerrak	Släggö Skagerrak	Anholt E Kattegat		Å17 Skagerrak	Släggö Skagerrak	Anholt E Kattegat
DIATOMS				DINOFLAGELLATES			
Amphiprora sp.			x	Ceratium fusus	x	x	x
Cerataulina pelagica	x			Ceratium lineatum	x	x	x
Chaetoceros ceratosporus			x	Ceratium longipes	x	x	x
Chaetoceros convolutus	x	x	x	Ceratium tripos	x	x	x
Chaetoceros danicus	x		x	Dinophysis acuminata			x
Chaetoceros debilis			x	Dinophysis acuta	x		x
Chaetoceros decipiens			x	Dinophysis norvegica	x		
Chaetoceros laciniatus			x	Gymnodinium spp.			x
Chaetoceros similis			x	Heterocapsa rotundata	x		
Coscinodiscus radiatus	x	x		Protoperidinium conicum	x		x
Coscinodiscus sp.		x	x	Protoperidinium depressum	x		
Cylindrotheca closterium	x			Protoperidinium steinii			x
Ditylum brightwellii	x		x	Scrippsiella sp.			x
Guinardia delicatula	x	x	x	CRYPTOPHYCEANS			
Guinardia flaccida	x	x	x	Leucocryptos marina			x
Gyrosigma sp.	x			Teleaulax spp.	x	x	x
Proboscia alata			x	CHRYSOPHYCEANS			
Pseudo-nitzschia cf. delicatissima			x	Dictyocha speculum		x	x
Pseudo-nitzschia seriata		x	x	HAPTOPHYCEANS			
Rhizosolenia hebetata			x	Chrysochromulina sp.			x
Rhizosolenia setigera		x	x				
Skeletonema costatum	x	x	x				
Stephanopyxix turris	x						
Thalassionema nitzschioides	x		x				
Thalassiosira angulata	x						
Thalassiosira anguste-lineata		x					
Thalassiosira decipiens			x				
Thalassiosira punctigera	x						



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ALGAL SITUATION IN SWEDISH MARINE WATERS

BALTIC SEA

Arkona basin. Station BY2, 15 January

Bornholm basin. Station BY5, 15 January

Southeast Baltic, Station BCS III 10, 16 January

Eastern Gotland basin, Station BY15, 16 January

Western Gotland basin, Station BY38, 17 January

All these stations were extremely poor in phytoplankton. Single threads of *Aphanizomenon* sp., *Chaetoceros danicus* and *Chaetoceros impressus* were seen.