

SPECIES INFORMATION SHEET

Epitonium turtonis

English name: –	Scientific name: <i>Epitonium turtonis</i>	
Taxonomical group: Class: Gastropoda Order: Hypsogastropoda Family: Epitoniidae	Species authority: Turton, 1819	
Subspecies, Variations, Synonyms: <i>Epitonium tenuicosta</i> Michaud, 1829 <i>Epitonium tenuicosta transitans</i> Kobelt, 1908 <i>Epitonium turtonae</i> Turton, 1819 (misspelling?) <i>Epitonium turtonae karpathense</i> Nordsieck, 1969 <i>Fuscoscala planicosta</i> (Bivona, 1832 <i>Scalaria elegans</i> Risso, 1826 <i>Scalaria planicosta</i> Bivona, 1832 <i>Scalaria plicata</i> Scacchi, 1836 <i>Scalaria tenuicosta</i> Michaud, 1829 <i>Scalaria tenuicosta</i> var. <i>strigata</i> Pallary, 1938 <i>Scalaria turtonae</i> Locard, 1892 <i>Turbo turtonis</i> Turton, 1819 (basonym)	Generation length: –	
Past and current threats (Habitats Directive article 17 codes): Sedimentation caused by eutrophication (H01.05) and bottom trawling (F02.02.01)	Future threats (Habitats Directive article 17 codes): Sedimentation caused by eutrophication (H01.05) and bottom trawling (F02.02.01), Construction (windmills, C03.03)	
IUCN Criteria: –	HELCOM Red List Category:	DD Data Deficient
Global / European IUCN Red List Category: NE/NE	Habitats Directive: –	
Protection and Red List status in HELCOM countries: Denmark –/–, Estonia –/–, Finland –/–, Germany –/–, Latvia –/–, Lithuania –/–, Poland –/–, Russia –/–, Sweden –/–		

Distribution and status in the Baltic Sea region

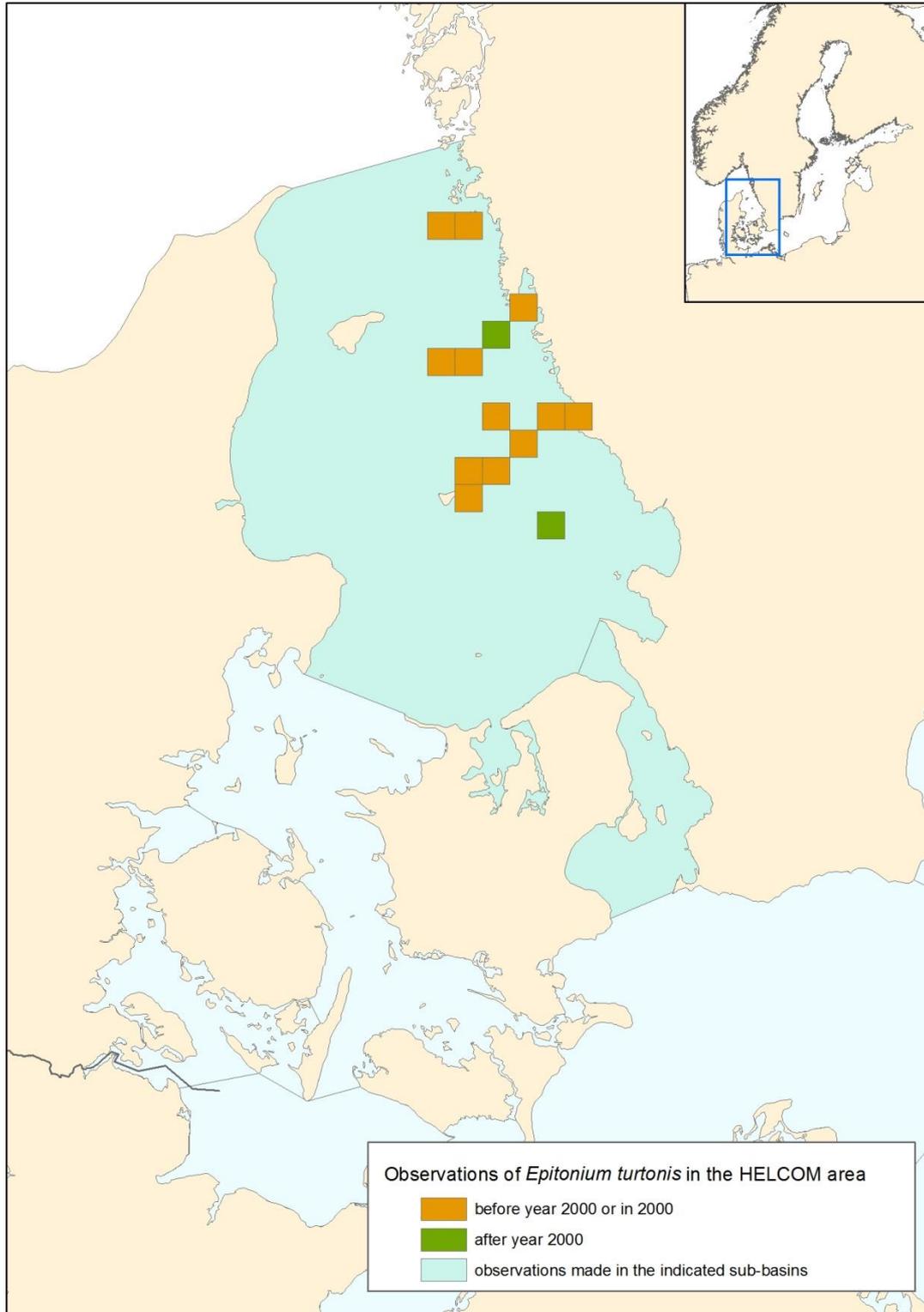
The species occurs between the Mediterranean and Norway. Within the HELCOM area the main distribution area is in the Kattegat. The species is also reported from the Sound region, but we have no data from this area. Outside the HELCOM area the species is reported from the Skagerrak and the North Sea. Only two recent findings are known, from the shallow offshore banks Fladen and Stora Middelgrund. A comparison between historical and present Swedish data indicates a decline in distribution both in the Skagerrak and the Kattegat.

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Distribution map

The records of species obtained from the species database of the Swedish Species Information Centre (Artportalen).



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Habitat and Ecology

E. turtonis has a very characteristic tall conical shell, which can be up to 40 mm high. The species has been found on sandy bottoms on depths between 5 and 20 meters. Otherwise very little is known of the species ecology. The food is unknown, but is likely to be similar to that of other species within the family Epitonidae. Breeding is presumably also similar.

Description of major threats

It is not known what might have caused the indicated decline within the Helcom area. In general, shallow sandy bottoms are sensitive to sedimentation caused by eutrophication and trawling. As offshore banks are of interest for the windmill industry, exploitation will probably also be an issue in the near future.

Assessment justification

Very limited data from the present is available. The data available indicate a decrease in distribution but it is also possible that the species has been overlooked or erroneously identified. The information available is thus insufficient to determine which of the redlist categories is the most likely. The species is categorized as Data Deficient (DD).

Recommendations for actions to conserve the species

It is difficult to suggest specific measures. In general, the negative effects of eutrophication and trawling on marine biotopes need to be reduced.

Common names

Denmark: plettet vindeltrappesnegl, Estonia: –, Finland: –, Germany: –, Latvia: –, Lithuania: –, Poland: –, Russia: –, Sweden: större vindeltrappa

References

- Artsdatabanken 2010. Norwegian Red List 2010. Species information available at <http://www.artsportalen.artsdatabanken.no/#/Rodliste2010/Vurdering/Epitonium+turtonis/24580>
- Graham, A.F.R.S. 1988. Molluscs: Prosobranch and Pyramidellid Gastropods. Synopses of the British Fauna. Linnean Society of London.
- Hansson, H.G. 1998. Sydsjaskandinaviska marina flercelliga evertrebrater. Utgåva 2
- Marine Species Identification Portal. Available at http://species-identification.org/species.php?species_group=mollusca&id=681
- Swedish Species Gateway. Swedish Species Information Centre and Swedish Environmental Protection Agency. Available at www.artportalen.se.
- World Register of Marine Species WoRMS. Available at <http://www.marinespecies.org/aphia.php?p=taxdetails&id=139738>