

SPECIES INFORMATION SHEET

Vitreolina philippi

English name: –	Scientific name: <i>Vitreolina philippi</i>	
Taxonomical group: Class: Gastropoda Order: Hypsogastropoda Family: Eulimidae	Species authority: de Rayneval & Ponzi, 1854	
Subspecies, Variations, Synonyms: <i>Eulima philippi</i> Ponzi, De Rayneval & Van den Hecke, 1854 <i>Eulima raphium</i> Watson, 1897 <i>Vitreolina philippii</i> Rayneval & Ponzi, 1854 (spelling variation)	Generation length: –	
Past and current threats (Habitats Directive article 17 codes): Unknown (U)	Future threats (Habitats Directive article 17 codes): Unknown (U)	
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 –/R (Extremely rare, incl. North Sea), Latvia –/–, Lithuania –/–, Poland –/–, Russia –/–, Sweden –/–		

Distribution and status in the Baltic Sea region

The species is related to echinoderm hosts. In the HELCOM area it is rare and occurs only in the western parts. The abundance of the hosts is regarded very limited or declining which affects the species negatively. Outside the HELCOM area this species is distributed from Mediterranean to Norway but it is absent from the eastern Channel and the southern North Sea.



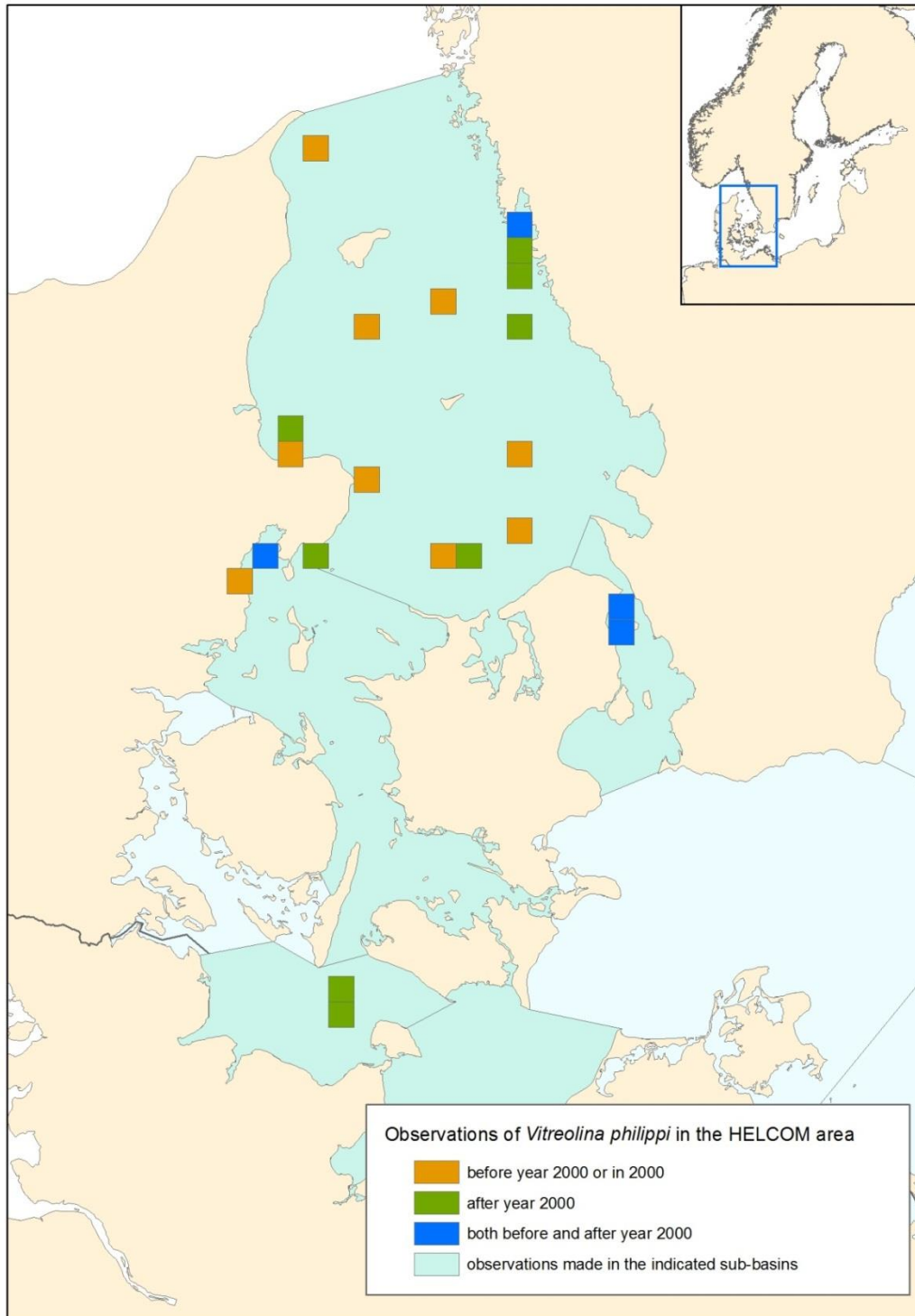
Vitreolina philippi. Photo: Michael Zettler, Leibniz Institute for Baltic Sea Research Warnemünde (IOW).

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Distribution map

The georeferenced records of species compiled from the Danish national database for marine data (MADS) and from the databases of the Swedish Species Information Centre (Artportalen), Swedish Meteorological and Hydrological Institute, International Council for the Exploration of the Sea (ICES), and the Leibniz Institute for Baltic Sea Research (IOW).



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Habitat and ecology

The habitat preferences are not well known. According to Hansson (1998) the species occurs on soft bottom habitats, whereas according to German information it is more related to reefs or coarse sand. Also the relationship to echinoderms is unclear but it was assumed that larger echinoderms are the main hosts of the species.

Description of major threats

Threats not known.

Assessment justification

V. philippi is rare in the HELCOM area and related to echinoderm hosts. Many of the hosts have declined but not all, and it is not known how much *V. philippi* may have declined. The species is categorized as Data Deficient (DD).

Recommendations for actions to conserve the species

The level of knowledge on the species and its distribution, abundance, habitats and ecology should be improved before any specific recommendations can be given.

Common names

Denmark: krum pighudesnegl, Estonia: –, Finland: –, Germany: Pfriemschnecke, Latvia: –, Lithuania: –, Poland: –, Russia: –, Sweden: –

References

- International Council for the Exploration of the Sea ICES data portal. Available at <http://ecosystemdata.ices.dk/inventory/index.aspx>.
- IOW database. Observational data from the database of the Leibniz Institute for Baltic Sea Research.
- MADS, The Danish national database for marine data. NERI: University of Aarhus; National Environmental Research Institute. Downloaded in June 2011.
- Marine Species Identification Portal. Available at http://species-identification.org/species.php?species_group=mollusca&id=1021
- Rachor, E., Bönsch, R., Boos, K., Gosselck, F., Grotjahn, M., Günther, C.-P., Gusky, M., Gutow, L., Heiber, W., Jantschik, P., Krieg, H.-J., Krone, R., Nehmer, P., Reichert, K., Reiss, H., Schröder, A., Witt, J. & Zettler, M. L. 2012. Rote Liste und Artenliste der bodenlebenden wirbellosen Meerestiere. Vierte Fassung, Stand Dezember 2007, einzelne Aktualisierungen bis 2012. Naturschutz und Biologische Vielfalt 70(2). Bundesamt für Naturschutz.
- SMHI database. Observational data for zoobenthos from the database of the Swedish Meteorological and Hydrological Institute, all observations 1971–2010. Downloaded in 9 April 2011.
- 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=139903>