

SPECIES INFORMATION SHEET

Agrypnetes crassicornis

English name: –	Scientific name: <i>Agrypnetes crassicornis</i>	
Taxonomical group: Class: Insecta Order: Trichoptera Family: Phryganeidae	Species authority: McLachlan, 1876	
Subspecies, Variations, Synonyms: –	Generation length: –	
Past and current threats (Habitats Directive article 17 codes): Unknown (U), Eutrophication (H01.05)	Future threats (Habitats Directive article 17 codes): Unknown (U), Eutrophication (H01.05)	
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 –/EN, Germany –/–, Latvia –/–, Lithuania –/–, Poland –/–, Russia –/–, Sweden –/–		

Distribution and status in the Baltic Sea region

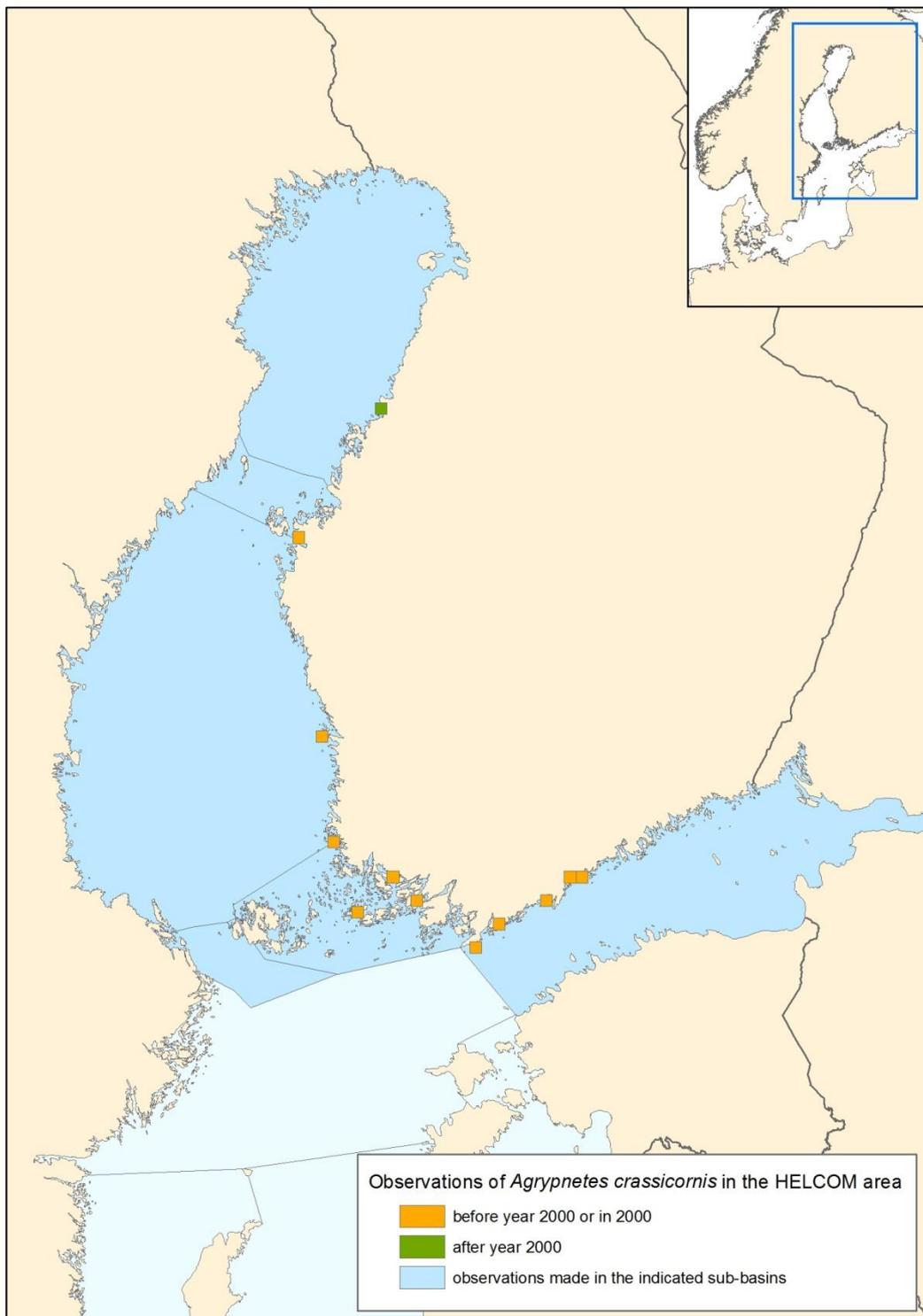
A. crassicornis is a caddisfly species that lives along the coasts of the northern Baltic Sea. It is one of the few aquatic insects that appear to have the majority or at least a considerable part of its total distribution in coastal brackish waters. In Finland the species has been observed in more than a dozen localities along the coast, from the Gulf of Finland to the Bothnian Bay, and in Sweden one locality is known in the Bothnian Bay. Additionally, several river localities are known from northern Finland and Sweden. In Sweden the species has not been assessed and in Finland it was evaluated as Near Threatened in 2001 but raised to the category Endangered in 2010 (B2ab(iv)c(iv)).

SPECIES INFORMATION SHEET

Agrypnetes crassicornis

Distribution map

The geo-referenced records of species obtained from the Finnish database of threatened species (Hertta) and from the Finnish insect database (Hyönteistietokanta). There is at least one observation also on the Swedish coast of the Bothnian Bay (personal communication, Ulf Bjelke) but the exact location is not known. Some locations are also known from northern rivers (not shown in the map). Also a location in the Åland Islands is not shown on the map.



SPECIES INFORMATION SHEET

Agrypnetes crassicornis

Habitat and Ecology

Little is known about the biology of *A. crassicornis* but it obviously has two-parted habitat preferences and can live both in the brackish coastal waters of the northern Baltic Sea and in the northern rivers. According to Finnish information it also inhabits oligotrophic lakes but it has, as far as is known, not been observed in the lake district of southern and central Finland, nor from southern or central parts of Sweden.

Description of major threats

According to Finnish information, the main threats are unknown but in the coastal habitats of the Baltic Sea eutrophication has probably had a negative effect on the population. In inland waters construction of rivers has been regarded as the main threat in Finland. The small size of the population, or random factors related to this, were also regarded a significant threat in the future.

Assessment justification

A. crassicornis is a rare species that has been recorded in less than 20 localities in Sweden and Finland, the majority of them are found in the coastal habitats of the northern Baltic Sea. In Finland the species is categorized as Endangered and the population is regarded to be geographically restricted, continuingly declining, and threatened e.g. by the effects of eutrophication of the Baltic Sea. However, little is known about the actual population trend in the HELCOM areas and no information is available from other countries. The species is therefore categorized as Data Deficient (DD).

Recommendations for actions to conserve the species

The knowledge of species distribution and ecology needs to be improved before any specific recommendations can be given.

Common names

Denmark: –, Estonia: –, Finland: kalmosirvikäs, Germany: –, Latvia: –, Lithuania: –, Poland: –, Russia: –, Sweden: –

References

- Hertta database. Observations of threatened species in Finland. Finnish Environment Institute. Data downloaded 10 April 2013.
- Hyönteistietokanta, the Finnish insect database available at <http://hyonteiset.luomus.fi/insects/main/EntDatabase.html>. Viewed 12 April 2013.
- Salokannel, J., Mattila, K. & Salmela, J., 2003. Havainnot Keski-Pohjanmaan vesiperhosista 1997–2002. *Diamina* 12: 6–10.
- Salokannel, J., Rinne, A. & Ilmonen, J. 2010. Vesiperhoset, Caddisflies. Trichoptera. In Rassi, P., Hyvärinen, E., Juslén, A. & Mannerkoski, I. (eds.). Suomen lajien uhanalaisuus – Punainen kirja 2010. Ministry of the Environment & Finnish Environment Institute, Helsinki. P. 471–475.