Spined loach was believed to be a more widespread species in the past but according to Bohlen & Rab (2001) it represents a species complex, with the nominal species *C. taenia* mainly restricted to the Baltic Sea drainages. This freshwater species occurs in drainages all over the Baltic Sea except for the Gulf of Bothnia. In the Baltic Sea it is restricted to coastal waters below 5 psu. The spined loach is abundant in the Estonian archipelago area, in the eastern part of the Gulf of Finland and also in the Curonian lagoon. It also occurs in the Vistula lagoon. The population is increasing in freshwaters of Germany while considered stable in Estonia, Latvia, and Lithuania. The status in Finland changed from EN to VU in the Red List 2010. In Sweden this species has in surveys turned out to be common in soft, muddy substrates in many kinds of lakes from hypereutrophic to dystrophic (Delling et al. 2000).
Distribution map

The map shows the sub-basins in the HELCOM area where the species is known to occur regularly and to reproduce in coastal areas (HELCOM 2012).
**Habitat and ecology**

The spined loach *Cobitis taenia* lives benthic in slow-flowing and still waters, lagoon and lake habitats and estuaries, on soft substrate. In the Baltic Sea this freshwater fish is found in salinities up to 5 psu. The species is active at night, staying hidden under rocks or burying in the substrate during the day. Spined loach spawns in spring or summer and the eggs are deposited scattered into plant material, attached to rocks or macrophytes in shallow, flowing water. Females live up to five years and males up to three and can reach a maximum length of 13.5 cm. Females spawn for the first time at the age of 2–3 years, males already at the age of 1–2 years.

**Description of major threats**

No major threats perceived at the moment.

**Assessment justification**

As the species can live in several different habitats and there are no perceived threats and no suspicion of decline, this species is considered LC. The area of occupancy within the Baltic Sea is restricted but this species does not fulfill the sub-criteria of being either severely fragmented, showing extreme fluctuations in population size or habitat availability, or having continuing decline in population size or habitat. The population size is also estimated to be well above the threshold of a small population (<20 000), as evidenced by a beach seine survey in the Curonian lagoon that caught at least few individuals per 1 000m².

**Recommendations for actions to conserve the species**

No protection actions currently needed in HELCOM area but information on habitat requirements and population size especially in the basin of the Gulf of Finland should be collected.

**Common names**

D - Steinbeißer; GB – Spined loach; EST - Hink; DK - Pigsmerling; FIN – Rantanuoliainen; LV - Akmengraužis; LT - Kirtiklis; PL - Koza pospolita; RUS - Obiknovennaja schipovka; S - Nissöga

**References**


SPECIES INFORMATION SHEET

Cobitis taenia

Switzerland. 646 pp.


