

Colonization of *Potamophylax cingulatus* (Trichoptera, Limnephilidae) in Iceland during the last 30 years

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Potamophylax cingulatus (Steph.) is a relatively new colonizer in Iceland. It was first recorded in 1974. It was found in streams in the East and North of Iceland, but absent in other regions. In streams colonized by *P. cingulatus*, the caddis fly *Apatania zonella* (Zett.) was absent, but had been recorded from these streams before 1946.

In an ongoing survey on the distribution of Trichoptera species in Iceland, *P. cingulatus* is now found in South and West Iceland, but not in the central highlands. It was first recorded around 1990 in West Iceland and 1997 in South Iceland. In streams colonized by *P. cingulatus*, the caddis fly *Apatania zonella* (Zett.) was absent, but had been recorded from these streams before 1946.

The numbers of *P. cingulatus* has been monitored in south Iceland, which indicates changes in population size.

The distribution of *P. cingulatus* will be discussed in relation to the theory of island biogeography.