

Edpercivalia dugdalei (Ward, 1998)

Very particular

Photos of this species wanted. Send to
info@endangeredspecies.org.nz

Coastal pepperpress. Simon Walls, DOC

Quickfacts

A caddisfly only known from two Northland streams.

Likely to inhabit freshwater seeps or headwaters.

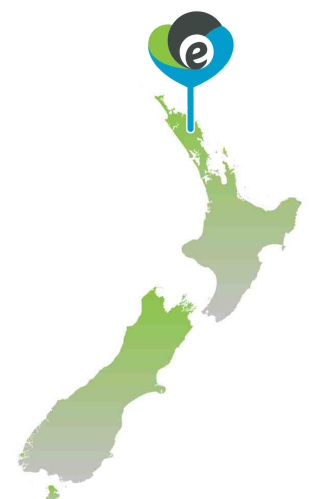
Only known from adult male specimens and the larvae have not been recorded.

Kauri stream denizen

Edpercivalia dugdalei is only known from two locations in Northland: it was collected in 1977 by John Dugdale at the Omahuta Kauri Sanctuary parking area, and in 1996 by Ian Henderson in a small, slow-moving tributary stream of the headwaters of the Waipapa River in Puketi Forest. It is named after John Dugdale, who has collected and curated many caddisflies. There have been no recent collections of *Edpercivalia dugdalei* and it has a threat ranking of Nationally Critical, with the qualifiers Data Poor and Range Restricted. It is likely to have very particular habitat requirements within the cool streams flowing within kauri forest.

Edpercivalia dugdalei is one of 16 members of the *Edpercivalia* genus (Family Hydrobiosidae) of aquatic caddisflies (Trichoptera), all of which are endemic to New Zealand. The larvae of *Edpercivalia* don't construct a protective case and are called "free-living" caddis. They are predators and feed on other stream invertebrates, and have pincers on their forelegs. They are found in good quality cold waters of rivers, streams and seepages. The Hydrobiosidae family is found throughout Gondwana and is a major component of the caddisfly

TE KAUPAPA TIAKI KARAREHE,
TIPU MŌREAREA O AOTEAROA



fauna in New Zealand.

What next?

There is a high possibility that *Edpercivalia dugdalei* is present in other Northland streams which flow through mature kauri forest. However, searching for this species is difficult as it is not easy to identify *Edpercivalia dugdalei* without close examination of its hindparts using a microscope. It is hoped that publicising the existence of this species may lead to it being found at other sites.

More information

Webpage: Wikipedia. [Link](#)

Webpage: New Zealand Trichoptera Database. [Link](#)

Webpage: Landcare Research Freshwater Invertebrates. [Link](#)

Scientific paper: Conservation Status of New Zealand Freshwater Invertebrates. By Natasha Grainger, Kevin Collier, Rod Hitchmough, Jon Harding, Brian Smith, & Darin Sutherland. New Zealand Threat Classification Series 8. Department of Conservation [PDF](#)

Scientific Paper: Five new species of New Zealand Hydrobiosidae (Insecta: Trichoptera). By John Ward. Records of the Canterbury Museum Vol. 12(1), pages 1-16. 1998

Scientific Paper: An annotated checklist of the caddis (Trichoptera) of the New Zealand subregion. By John Ward. Records of the Canterbury Museum Vol. 13, pages 75-95. 1999.

This webpage represents the views of the Endangered Species Foundation of New Zealand and not necessarily those of other individuals or organisations involved in the conservation of this species.

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