

Identification Key to Campbell Island Freshwater Invertebrates

McMurtrie, Sinton & Winterbourn (2014)



Limoniinae INFORMATION SHEET

Classification

Class:	Insecta
Order:	Diptera
Family:	Tipulidae
Subfamily:	Limoniinae
Tribe:	unknown
Common name:	cranefly

Distinguishing Features

- Body golden with a hairy surface (Fig. 1); length 5.3 mm.
- Spiracular region elongated with long curling hairs extending posteriorly (Fig. 2); spiracles not visible.

Comments

This was one of three species of Tipulidae larvae found in the freshwater invertebrate samples during the 2010–11 Campbell Island Bicentennial Expedition (Limoniinae, Hexatomini, Eriopterini). As well as two known Eriopterini species (*Erioptera (Trimicra) brachyptera*, *E. (T.) pilipes*, Evenhuis, 1989), two Limoniinae species of *Molophilus* species have also been recorded from the island (Alexander, 1964)

Original Description

N/A

References & Further Reading

- Alexander, C.P. 1964. Insects of Campbell Island. Diptera: Trichoceridae and Tipulidae. *Pacific Insects Monograph* 7: 272–279.
- Evenhuis, N.L. ed. 1989. *Catalog of the Diptera of the Australasian and Oceanian Regions*. Bishop Museum Special Publication 86. Bishop Museum Press, Honolulu and E.J. Brill, Leiden. 1155pp.



FIGURE 1. Limoniinae whole animal



FIGURE 2. Limoniinae posterior spiracular region

How to Cite this Information Sheet

McMurtrie, S.A., Sinton, A.M.R., & Winterbourn, M.J. 2014. Lucid Identification Key to Campbell Island Freshwater Invertebrates: Limoniinae information sheet. EOS Ecology, Christchurch, New Zealand.

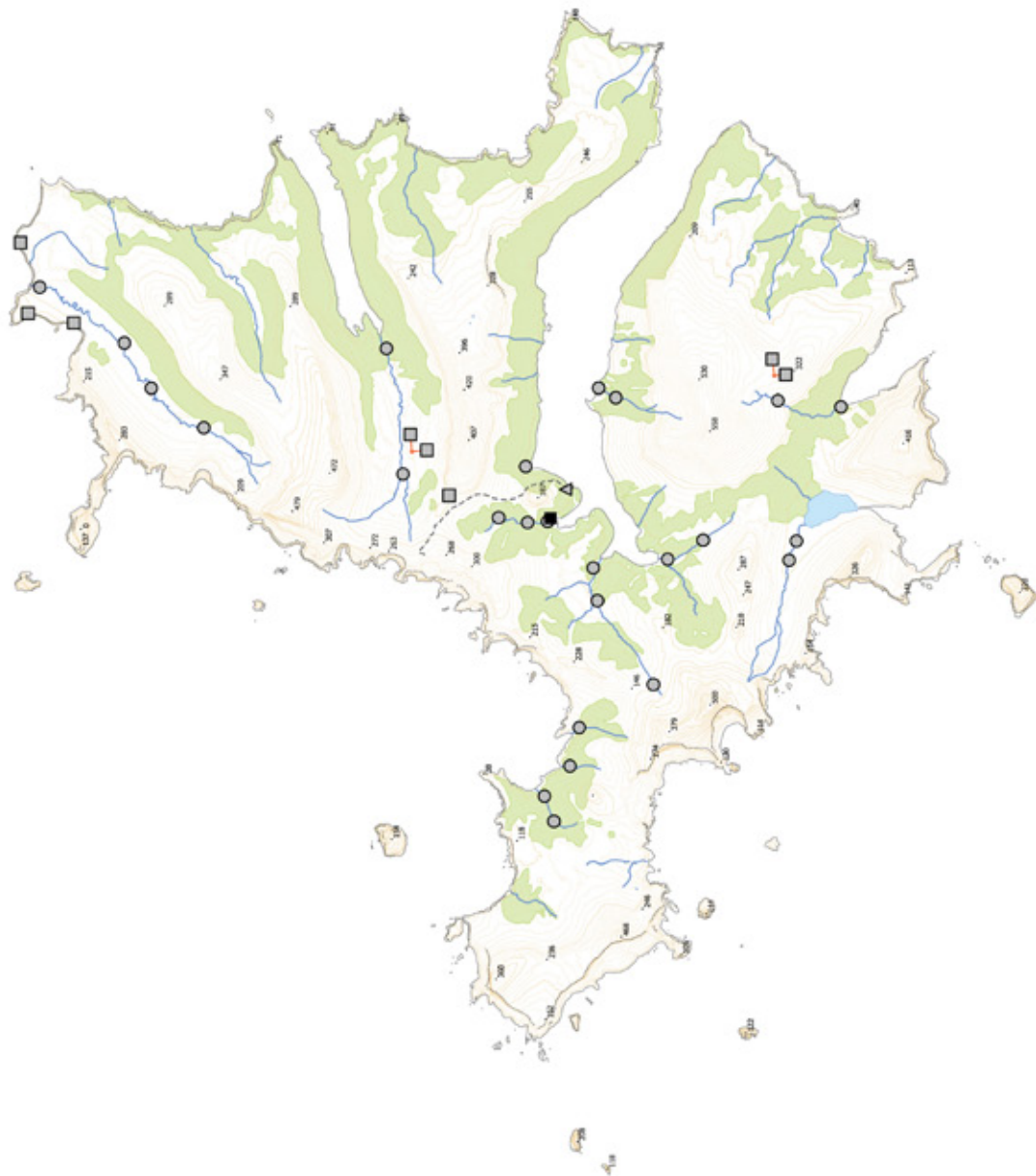
ACKNOWLEDGEMENTS – The creation of the Lucid Key and information sheets were supported by the TFBIS (Terrestrial and Freshwater Biodiversity Information System) Fund administered by the Department of Conservation (TFBIS Contract No. 278), and by EOS Ecology. Invertebrate specimens were collected by EOS Ecology during the 2010–11 Campbell Island Bicentennial Expedition (CIBE), made possible by the 50° South Trust.



Biogeographic Information

Presence/absence on streams, tarns, and a seepage sampled on Campbell Island.

Distribution map based on surveys undertaken by EOS Ecology during the 2010–11 Campbell Island Bicentennial Expedition (www.campbellisland.org.nz). Distribution data © EOS Ecology, 2013.



Scale = 1 km

New Zealand Transverse Mercator
New Zealand Geodetic 2000
Created on: 3 December 2013
Created by: Kirsty Brennan

Limoniinae Distribution
CAMPBELL ISLAND
December 2010–February 2011

Produced by:
EOS Ecology
Campbell Island Bicentennial Expedition
Project name:
06033-EOS01
Project no.:
Shelley McMurtrie
Project lead:
www.eosecology.co.nz

