Identification Key to Campbell Island Freshwater Invertebrates

McMurtrie, Sinton & Winterbourn (2014)

Hexatomini INFORMATION SHEET

Classification

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

Distinguishing Features

- Body golden with a hairy surface (Fig. 1); length 3.6 mm.
- Blades of maxillae produced as elongate appendages projecting well beyond the head (Fig. 2).
- Spiracular disk with 4 lobes (Fig. 3), pale with short fringes of hairs; spiracles black.

Comments

This was one of three species of Tipulidae larvae found in the freshwater invertebrate samples during the 2010–11 Campbell Island Bicentenial 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). The condition shown by the maxillae is found in *Limnophila* species (Byers, 1996).

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.

Byers, G.W. 1996. Tipulidae. Pp 549-570 in Merritt, R. W. & Cummins, K. W. (eds) 1996. An introduction to the aquatic insects of North America (3rd edition). Kendall/Hunt, Dubuque, Iowa.

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. Hexatomini whole animal

FIGURE 2. Head showing projecting maxillae blades

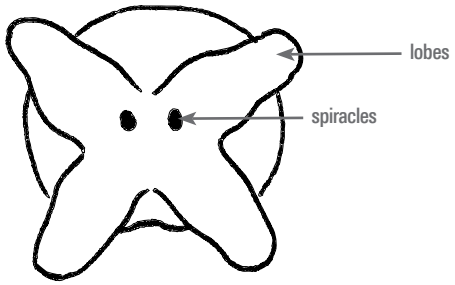

FIGURE 3. Diagram of posterior spiracular disc

How to Cite this Information Sheet

McMurtrie, S.A., Sinton, A.M.R., & Winterbourn, M.J. 2014. Lucid Identification Key to Campbell Island Freshwater Inverterbrates:

ACKNOWLEDGEMENTS – The creation of the Lucid Key and information sheets were supported by the TFBIS (Terristrial 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.