

Description of larva and pupa of *Phylloicus abdominalis* Ulmer, 1905 (Trichoptera: Calamoceratidae)

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Abstract

The larva and pupa of *Phylloicus abdominalis* Ulmer, 1905 from a tributary of the Rio Preto, Itatiaia, State of Rio de Janeiro, Brazil, are described, illustrated and compared to other Neotropical species in the genus.

Key words: *Phylloicus abdominalis*, larva, pupa, metamorphotype, Calamoceratidae, Trichoptera, neotropical, Brazil

Resumo

São descritas e ilustradas larva e pupa de *Phylloicus abdominalis* Ulmer 1905 de um tributário do Rio Preto, Itatiaia, Rio de Janeiro, Brasil. Os estágios imaturos de *P. abdominalis* são comparados com outras espécies neotropicais do mesmo gênero.

Palavras-chave: *Phylloicus abdominalis*, larva, pupa, metamorfótipo, Calamoceratidae, Trichoptera, neotropical, Brasil

Introduction

The species determination of immature stages of aquatic insects is quite relevant in the evaluation of stream water quality. It is very useful and important to detect how these organisms stand pollution and to identify them to species level (de Moor 1999). Among the 2,230 species of Trichoptera described from the Neotropical Region (Flint *et al.* 1999, Prather 2003) only 2% have been described in their pre-adult stages (Holzenthal 2004). Larvae of *Phylloicus*, typical of stream pools in the Serra do Mar of southeastern Brazil, are among the largest and most abundant Neotropical trichopteran larvae. Huamantinc & Nessimian (2000) in their research on the life cycles of some Trichoptera in the