

Description of the larva and pupa of *Potamyia phaidra* Malicky and Chantaramongkol (Trichoptera: Hydropsychidae) from southern Thailand

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Abstract

Larvae and pupae of *Potamyia phaidra* Malicky and Chantaramongkol (Trichoptera: Hydropsychidae) were collected from montane streams in southern Thailand. Pupal identifications were based on genitalic features in common with described adults, and larvae were associated with the pupae. Herein, the final larval instar and pupa are described, diagnosed, and figured.

Key words: Trichoptera, Hydropsychidae, *Potamyia phaidra*, larva, pupa, description, Thailand

Introduction

Southern Thailand is topographically diverse with flat agricultural regions punctuated by disjunct mountain ranges and associated waterfalls and streams. These numerous lotic systems harbor a diverse aquatic insect fauna. Our taxonomic understanding of these insects is very poor, especially of the immature stages. In one of very few papers addressing this fauna, Sites *et al.* (2001) provided keys and notes on the immatures of the families and genera of mayflies (Ephemeroptera) of the southernmost 10 provinces of Thailand. No documentation of the immature stages of Trichoptera exists for this region, nor for any other region of Thailand.

Research on Trichoptera in Thailand has been restricted mainly to descriptions of the adult stage, of which more than 700 species have now been identified (Malicky &