

The presence of *Varipes* Lugo-Ortiz & McCafferty (Ephemeroptera: Baetidae) in Brazil, with the description of a new species

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Abstract

Varipes helenae, new species, (Ephemeroptera: Baetidae) is described based on nymphs collected from the State of Mato Grosso, Brazil. The new species is distinguished by setation of labrum, number of denticles in both mandibles, prosthema of right mandible bifid, not reduced, medial hump of maxilla with a spiniform seta, distomedial process of labial palp segment 2 rounded, relatively few setae on femora, and number of spines on the paraproct. This is the first report of the genus *Varipes* from Brazil.

Key words: Ephemeroptera, Baetidae, *Varipes helenae*, new species, Mato Grosso, Brazil.

Introduction

Varipes Lugo-Ortiz & McCafferty is a poorly known genus of small minnow mayflies (Ephemeroptera: Baetidae) known exclusively from nymphs and represented by a single described species, *V. lasiobrachiatus* Lugo-Ortiz & McCafferty, recorded in South America from Colombia and Ecuador (Lugo-Ortiz & McCafferty, 1998). An undescribed species, examined by Traver & Edmunds (1968), and considered by Lugo-Ortiz & McCafferty (1998) as belonging to *Varipes*, is also reported from Peru.

In this paper, a new species of *Varipes* collected from the State of Mato Grosso, Brazil, is described based on nymphs. Apart from representing the first record of this genus from Brazil, the description of this new species provides new information regarding the diagnoses of *Varipes*.