



<http://dx.doi.org/10.11646/zootaxa.3652.5.9>

<http://zoobank.org/urn:lsid:zoobank.org:pub:BDC89CF9-3D8C-4566-9AE9-4F8EE577ABFC>

New species of *Xestochironomus* Sublette *et* Wirth, 1972 (Diptera: Chironomidae) from Atlantic Forest, Brazil

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Abstract

Two new *Xestochironomus* species, *X. dickinsoni* sp. n. and *X. virgoferreae* sp. n., from Brazilian Atlantic Forest are described, based on male adults. Additionally, a key to adult males of the genus is provided.

Key words: *Stenochironomus* complex, taxonomy, key

Introduction

Xestochironomus Sublette *et* Wirth, 1972, with *X. furcatus* (Johannsen) as the type species, is a group which shows a pan-american distribution known from larvae mining submerged wood in lotic habitats (Borkent 1984).

Sublette & Wirth (1972) introduced the name *Xestochironomus* replacing the preoccupied name *Insulanus* Sublette nec. Fleutiaux, and described six new species from Central America. Borkent (1984), in his revision of the *Stenochironomus* complex, added five new species from USA and Venezuela to the genus. Later, Sublette & Sasa (1994) described one from Guatemala and Andersen & Kristoffersen (1998) two from Chile and Costa Rica. Therefore, no *Xestochironomus* species have been recorded from Brazil.

In the present study two new species, *X. dickinsoni* and *X. virgoferreae*, are described as adult males, based on material collected in the Brazilian Atlantic Forest. Thus, the genus comprises 17 species.

Methods and terminology

The material examined was mounted in Euparal following the procedures outlined by Sæther (1969). The general terminology follows Sæther (1980). Measurements are given as ranges, followed by mean when more than three specimens are measured.

The holotypes of the new species are deposited in the Museu de Zoologia da Universidade de São Paulo, São Paulo, Brazil (MZUSP). Paratypes are deposited in MZUSP and Museu de Zoologia da Universidade Federal da Bahia (MZUFBA).

Results

Xestochironomus dickinsoni sp. n.

(Fig. 1)

Type material. Holotype male: Brazil, Pernambuco State, Bonito, Pedra Redonda, Rio Verdinho, S08°32'33" W35°42'50", 485m a.s.l., 02.viii.2009, Light trap, A.R. Calor & L.S. Lecci (MZUSP 1257). Paratypes: 1 male, same data as holotype (MZUFBA EA00028).