A new species of Caenis (Ephemeroptera: Caenidae) from Florida, USA

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Abstract

Caenis eglinensis new species is described from nymph and adults, and its relationships with other North American species of the genus are discussed.

Key words: Caenis, Ephemeroptera, Caenidae, Eglin Air Force Base, new species

Resumen

Se describen la ninfa y los imagos de Caenis eglinensis especie nueva y se discute su relación con otra especies Norteamericanas del genero.

Introduction

Provonsha (1990) provided a comprehensive taxonomic review of North American Caenis and recognized 11 species. The addition of C. arwini McCafferty and Davis, based on mature nymphs and eggs from Texas (McCafferty & Davis, 2001) yields a total of twelve Caenis species presently known in North America. Of the twelve species, five [(C. amica Hagen, C. diminuta Walker, C. hilaris (Say), C. macafferti Provonsha, and C. punctata McDunnough)] occur in Florida (Pescador & Richard, 2004). In this paper, we describe a new species of Caenis based on mature nymphs and adults collected from streams in the western panhandle of Florida, USA.