

Peracarid crustaceans from three inlets in the southwestern Gulf of Mexico: new records and range extensions

SERGIO CHÁZARO-OLVERA¹, IGNACIO WINFIELD¹, MANUEL ORTIZ² & FERNANDO ÁLVAREZ³

¹Laboratorio de Ecología, UNAM-FES Iztacala, AP 314 Tlalnepantla, Estado de México, CP 54090. schazaro@tutopia.com and ignacioc@servidor.unam.mx

²Centro de Investigaciones Marinas, Universidad de La Habana, Calle 16 no. 114 e/ 1ra. y 3ra., Miramar, Playa, Ciudad de La Habana, Cuba. ortiztouzet@yahoo.com

³Colección Nacional de Crustáceos, Instituto de Biología, UNAM, A.P. 70-153, México 04510, D.F., México. falvarez@servidor.unam.mx

Abstract

Four new Gulf of Mexico records and nine geographic range extensions of peracarid crustaceans within the Gulf are presented for the southwestern Gulf of Mexico. The new records were obtained from plankton samples collected in the inlets of three Mexican coastal lagoons: Río Soto la Marina, Tamaulipas; Camaronera Lagoon, Veracruz and Términos Lagoon, Campeche. The new records include seven amphipod species (*Caprella penantis*, *Gammaropsis atlantica*, *Monocorophium insidiosum*, *Hartmanodes nyei*, *Metaharpinia floridana*, *Westwoodilla* sp., *Parametopella texensis*), one cumacean (*Cyclaspis* sp.) and five isopods (*Excorallana berbicensis*, *Anilocra abudefdufi*, *Sphaeroma walkeri*, *Armadilloniscus* sp., *Erichsonella attenuata*).

Key words: Peracarids, new records, range extension, inlets, Gulf of Mexico

Introduction

Papers dealing with the specific composition of peracarid communities from the coastal zone of the southwestern Gulf of Mexico have been based on those communities occurring in lagoon systems (Cantú-Díaz & Escobar-Briones, 1992; Winfield *et al.* 2001), on coral reefs (Carrera & Vargas, 1997) and on sandy beaches (Arriaga, 1985). Peracarids that occur in the inlets have been overlooked in all surveys from this region.

This paper reports on peracarid material from three lagoon-system inlets from the southwestern Gulf of Mexico. The localities surveyed are: Río Soto la Marina (SM),