



## Synopiidae\*

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### Abstract

Three species on Synopiidae are recorded from the Great Barrier Reef, Queensland, Australia. One new species *Syrrhoe petitaserrata* **sp. nov.** and two new records of *Synopia ultramarina* Dana and *Telsosynopia trifidilla* Hughes & Lowry are included.

**Key words:** Crustacea, Amphipoda, Synopiidae, Great Barrier Reef, Australia, taxonomy, new species, *Telsosynopia trifidilla*, *Synopia ultramarina*, *Syrrhoe petitaserrata*

### Introduction

Shallow-water synopiids are mainly nektonic amphipods (J.L. Barnard 1972). Collections used for this study are predominantly from light traps, where synopiids can be collected in the order of 100's of individuals.

There are currently six species in the genus *Synopia* with *Synopia ultramarina* Dana 1853 reported from waters throughout the world. Material has been figured from most locations reported and there seems little need to separate taxa based on illustrations, despite the broad geographic range.

*Syrrhoe petitaserrata* **sp. nov.** is the twelfth species described for the genus. It is recorded from Torres Strait, Lizard Island and One Tree Island, a distribution spanning much of the Great Barrier Reef. The new records of *Telsosynopia trifidilla* Hughes & Lowry, 2006 from Lizard and One Tree Island is a considerable range extension from the Solitary Islands and Botany Bay, New South Wales (Hughes & Lowry 2006).

### Materials and methods.

Descriptions were generated from a DELTA database (Dallwitz 2005) to world *Synopia*, *Syrrhoe* and *Telsosynopia* species. All material is lodged in the Australian Museum, Sydney (AM). A set of colour plates, a list of standard abbreviations and detailed station data is available in Lowry & Myers (2009). A CD (*Benthic Amphipoda (Crustacea: Peracarida) of the Great Barrier Reef: Interactive Keys*) is available with the book or the keys can be accessed at the crustacea.net website.