

A New Stenothoid (Crustacea: Amphipoda: Stenothoidae) from a Shallow Water Hydroid Polyp in British Columbia, Canada

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ABSTRACT. A new stenothoid species is described from a hydroid polyp in British Columbia, Canada. The new species is provisionally assigned to *Metopa* as *M. insolita* sp. nov., pending revision of this genus.

Introduction

During scuba diving fieldwork in British Columbia in 2012, Neil McDaniel discovered a large solitary hydroid that was later named *Zyzyzus rubusidaeus* Brinckmann-Voss & Calder, 2013. From this polyp, McDaniel also collected a stenothoid amphipod that he sent to the current authors for study. We consider this to be an undescribed species, with an exceptionally shaped gnathopod 2. In this paper, as part of a volume dedicated to the late Jim Lowry, we describe this new species based on morphology, and place it provisionally in *Metopa*, where it rests uneasily, pending a proper revision of this clearly not monophyletic genus.

Materials and methods

The material was collected by Neil McDaniel during scuba diving at 18 m depth on a polyp of *Zyzyzus rubusidaeus*

Brinckmann-Voss & Calder, 2013. The hydroid was attached to a rock in between sponges and barnacles. The diving-location is at Kuldekduma Point, near the northern tip of Vancouver Island in British Columbia, Canada (Fig. 1A) (Brinckmann-Voss & Calder, 2013). Collected material (2 specimens) was initially preserved in formaldehyde before being transferred to ethanol and sent to the authors for identification.

The habitus photo (Fig. 1B) was produced using a Leica M205C equipped with the stacking photography suite, Leica LAS V4.13. Stack-photos were collated using Zerene Stacker v 1.04. One specimen was prepared for microscope slides using a Leica M125 dissecting microscope and mounted using Faure medium before drawing using a camera lucida. Pencil drawings were inked (Adobe CC Illustrator) following the methods described by Coleman (2003, 2009).

Type material is kept in the University Museum of Bergen Zoological collections, Norway (ZMBN).

Keywords: Amphipoda, Stenothoidae, associated species, Hydroida, morphology

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