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[\[PDF \(520K\)\]](#) [\[References\]](#)**Gammaridean fauna on a red alga *Gracilaria asiatica* and a green alga *Enteromorpha prolifera* in a brackish lake, Nakaumi, western Honshu, Japan**[Takeo YAMAUCHI](#)¹⁾, [Hiroyuki ARIYAMA](#)²⁾, [Tetsuya MUKAI](#)³⁾ and [Kyoko YAMAUCHI](#)³⁾

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Abstract

In the year 2002, from May to June and October to December, 10 gammaridean species (in total 3117 individuals belonging to seven families) were collected on a red alga *Gracilaria asiatica* and a green alga *Enteromorpha prolifera* in a brackish lake, Nakaumi, western Honshu, Japan. Eight of these gammaridean species are newly recorded in the lake: *Eogammarus possjeticus*, *Apocorophium acutum*, *Monocorophium acherusicum*, *Monocorophium insidiosum*, *Paradexamine setigera*, *Pontogeneia rostrata*, *Melita setiflagella*, and *Melita shimizui*. In the present study, gammarideans were collected from 9.9 to 25.9 psu in the salinity. *Ampithoe valida* was the dominant species in the gammarideans on *G. asiatica*, while *M. insidiosum* was dominant on *E. prolifera* in Nakaumi.

Key Words: [Gammaridean fauna](#), [Gracilaria asiatica](#), [Enteromorpha prolifera](#), [Nakaumi](#), [brackish lake](#)

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