

FAUNA ASSOCIATED WITH THE CORAL *PORITES* FROM PHUKET, THAILAND (PART 1): BIVALVES WITH DESCRIPTION OF A NEW SPECIES OF *GASTROCHAENA*

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ABSTRACT

A high number of bivalve species have been found during a semi-quantitative study of cryptic fauna of hump corals. *Porites lutea* was sampled along gradients of depth (intertidal flats to lower reef slopes) and along gradients of water turbidity ranging from clear oceanic conditions to turbid water influenced by muddy mangrove water or silt-clay released on account of offshore tin mining.

Twenty-six species which regularly occur on other substrates are listed, and the 22 species (representing 7 families) closely associated with the corals (mainly boring species) are described and illustrated. The species of the families Pectinidae, Gastrochaenidae, Pholadidae, and Clavagellidae have been checked against the type materials.