

Supattra Rodniam 2012: Species Composition and Distribution of Calanoid Copepods in Ao Samaesan, Chon Buri Province. Master of Science (Marine Science), Major Field: Marine Science, Department of Marine Science. Thesis Advisor: Assistant Professor Jintana Salaenoi, Ph.D. 180 pages.

Species Composition and Distribution of Calanoid Copepods in Ao Samaesan, Sattahip District, Chon Buri Province was investigated during January to November 2009. The samples were collected by using 125 μm mesh size plankton nets and standard bottles. A total of 32 species 16 genera 12 families were found. Family Pontellidae (11 species 4 genera) was the dominant group followed by Family Paracalanidae (4 species 2 genera) Family Centropagidae (3 species 1 genera) and Family Acartiidae (3 species 1 genera). Dominant species were *Acartia erythraea* Giesbrecht, *Acrocalanus gibber* Giesbrecht, *A. gracilis* Giesbrecht and *Paracalanus aculeatus* Giesbrecht. The average density of calanoid copepods were taken at 10:00, 13:00, 17:00, 19:00, 23:00 and 05:00, at subsurface 50 centimeters with the values of 15,368; 18,268; 41,401; 42,267; 44,634 and 48,934 individuals per cubicmeter, respectively. While at above the bottom 2 meters with the values of 19,533; 48,272; 72,234; 65,767; 74,234 and 93,268 individuals per cubicmeter, respectively. Distribution of calanoid copepods were significant differences($p < 0.05$).

Student's signature

Thesis Advisor's signature