

DISTRIBUTION OF SOME ECONOMIC BIVALVE SPECIES IN INTERTIDAL AREAS IN NGHE AN, VIETNAM

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The distribution of some economic bivalve species was investigated in relation to tide, salinity and substrate in intertidal areas of Nghe An, Vietnam. Eighteen species of bivalves belonging to nine families have been recorded. Seven species are new records from the coast of Vietnam. Highly significant effects of sampling positions, tidal zone, and interactions with respect to sampling positions and tidal zones on density and biomass have been shown for *Tellina* sp., *Glaucanome cerea*, and *Anomalocardia producta*. Conversely, there were no interactions with respect to sampling positions and tidal zones, and low significant effect of sampling positions on the density for *Meretrix meretrix*. With respect to sampling positions and substrate on density, significant effects of sampling positions, substrate and interactions were found for *Tellina* sp., *Glaucanome cerea*, and *Anomalocardia producta*. There was a low significant effect of sampling positions for *Meretrix meretrix*. Two-way ANOVA was used to test all effects of those factors. A low significant effect of variation of salinity on density of bivalves was found in the range of 22-27 ‰, while no significant effect was found when salinity varied from 23-26 ‰ and 27-28 ‰ using one-way ANOVA.