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Relationship between Macrobenthic Fauna and Sediment Condition in the Seto Inland Sea

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Abstract

This study was conducted to obtain the data about the quantity of macrobenthos in the Seto Inland Sea and to assess the sediment condition by the change of macrobenthic fauna in recent 10 years. As results, 1) The macrobenthos mainly observed in sediment samples, were recognized as the organic pollution indicator, 2) The species composition, the individual numbers, and the value of the diversity index of macrobenthos tended to become poor in these 10 years, 3) The Seto Inland Sea was considered to be in the state which environmental condition is shifting from polluted condition to further polluted condition, 4) From the viewpoint of the environmental assessment by macrobenthic fauna, the sediment condition of the Seto Inland Sea was considered to be rather getting worse, were made clear.