

## Morphosis of the Oyster shell bed and Diatom assemblage in Tokyo bay

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Recently, oyster shell beds and reefs have been found in various places in Tokyo bay. Six shell bed types can be recognized on the basis of their lithology (YOKOYAMA et.al., 2004). Topographic and paleogeographic changes closely related to the Holocene Jomon Transgression, have been investigated by reconstructing the migration of oyster shell beds, which are good markers of paleoshorelines, throughout the wide inner bay during the rising stage of sea-level. However, ecology of benthos and diatom assemblages is not clear about oyster shell bed types(Endo et.al.,2013 ). This study describes taphonomic processes of the oyster reefs well exposed in Tokyo bay, Sanbanze. The oyster reefs of Sanbanze have grown up during about 5 years. The growth of oyster reefs was rapid but nowadays it is reduced due to change of oyster environment as consequences of Torrential rain and Typhoon. We started to do research 5 years ago in Sanbanze. We are making a report on oyster shell bed types and ecology of diatom assemblage in this area.

Keywords: Tokyo bay, oyster shell bed, diatom