

## **Typical Change of Sediment at the Sea of Hibiki, During Last Ten Years**

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### **Abstract**

The sediment condition of the St. A and the St. B seem to become worse during 1980s to 1990s. Furthermore, the water quality around the St.A has shown a clear change during last ten years, particularly, Chl-a concentration has shown a typical change. St.A locates north of the offshore from Shimonoseki City, which is most western end of the Seto Inland Sea. The population of Shimonoseki City has not changed since the 1960s, however, population has been shifting from the old town to the new one that locates the northern part of Shimonoseki City. Recently, the water pollution of the river flowing through the new town has remarkably advanced. As a result, the nutrients concentration of around the St. A and the St. B increase and the production of algae become intense. Also, the concentration of Chl-a in this area has obviously rise since the middle of 1980s. It is conceivable that the pollution is a typical case caused by the increasing of domestic wastewater discharge.