Numerical Simulation of the relationship between water quality and the catch of sand-eel in Set-Inlad-Sea

*masami abe¹, Kyoko Hata¹, Tateki Fujiwara¹

1.IDEA Consultants, Inc.

In Seto-Inland-Sea, the catch decrease of sand-eel is viewed with suspicion. In Harima-Nada, there is relationships between water quality (DIN) and the cath of sand-eel. It is considered there are some any relationships between nutrient load from a continental area and fish catches. Here, material cycle of nutrints, phytoplankton, zooplankton and sand-eel were calucurated by used of the numerical simulation model.

Keywords: ecosystem model, Osaka-Bay, Ammodytes personatus, Plankton -eating fish, nutrient reduction