

39-35 人工潟湖干潟における 環境変動メカニズム解明に関する研究

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Ariake Sea, a typical closed bay on the west of the Kyushu Island, has suffered to external impacts. However it is still unclear which factor and process is more/less dominant. In this study, field observation was conducted inside the artificial tidal flat to model the physical, chemical and ecological system in tidal flat for the preservation or recovery of the coastal environment in Ariake Sea. Three years pass after an artificial tidal flat was constructed; benthos lived apart by the bottom quality characteristic that accepted the amount of ground. And analyzed the influence that characteristic of an artificial tidal flat that was seawater exchange by the tide and existence of sub-tidal zone gave water environment by an ecosystem model.

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