

## 39-34 創生された熊本港人工潟湖干潟「野鳥の池」における

### 造成後の環境変動特性に関する研究

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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, “Yacho-no-ike”, to model the physical, chemical and ecological system in tidal flat for the preservation or recovery of the coastal environment in Ariake Sea. The communities and environment within the artificial tidal flat pond became established over three years of the artificial pond being completed. As a result, the biotic distribution inside the pond, having steeper slope from sub-tidal zone to supra littoral zone, was depended on the environmental factor, such as ground lever, ground bearing capacity, and tide, etc.

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