

Biogeochemical cycles of phosphorus in a pond (Yamada-Onuma)

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Phosphorus is important nutrient which control the primary production of lakes, ponds and rivers. One of the ponds in western Kanto prefecture (Musashi-Kyuryo) is highly eutrophic because of phosphorus ($\text{Ca}_3(\text{PO}_4)_2$) input from feces of water bird (cormorant).

We report about the seasonal change of phosphorus concentration of water and sediment in this pond in relation to the water bird.