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How water exchange and seasonality affect the eutrophication of Murchison Bay, Lake Victoria

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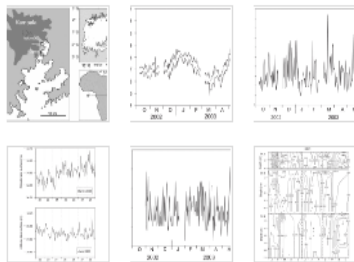
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Abstract

Murchison Bay in the Northern part of Lake Victoria has for decades received a daily **wastewater** load of 0.2% of its volume from Kampala City, through the Nakivubo channel. In spite of this, the **Water Treatment Works** abstracts raw water from this bay and has been able to produce drinking water of sufficient quality for the capital. This study monitored various physical–chemical components within the bay during 2000–2003 to understand the processes responsible for the acceptable quality of raw water. Four sampling stations were located along a transect from the channel mouth towards the open lake.

Keywords

Water pollution ; Seiches ; Water level fluctuations; Large lakes