

Fish Resources And Physico-Chemical Parameters Of Lagoon In Ogun Waterside Local Government Area, Ogun State, Nigeria

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Abstract

A study was conducted to determine distribution and abundance of fish over two years (dry and wet seasons) in lagoon systems of Ogun waterside Local Government Area, Ogun State, Nigeria. Fish sampling was carried out in four selected stations based on catch. Physical and chemical characteristics of the lagoon systems were also carried out. The study revealed that Bagridae represented by *Chrysichthys nigrodigitatus* contributed the highest number of fish in the two seasons. Fish species were evenly distributed in the wet seasons than dry seasons. Simpson index (D) computed for the 4 sites are 0.15, 0.11, 0.62 and 0.12 respectively for Makun-omi, Idaleketa, Iwopin and Ebute-Ilamo in the dry season and 0.37, 0.10, 0.42 and 0.10 for wet season. There are positive correlations between fish number and some physico-chemical parameters, phosphate ($r = 0.74$), Nitrate ($r = 0.4^*$). There are variations among physico-chemical parameters of water samples. Information revealed by this study will be useful in fisheries resource management for the studied locations.

Keywords

Fish resources, Lagoon, Season, Ogun waterside