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Fuzzy Complex Index in Water Quality Assessment of Municipalities

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ABSTRACT

Donghu Lake in Wuhan is a multipurpose complex water body. However, its eutrophication phenomenon becomes increasingly serious. By making use of detailed and accurate contamination monitoring data and several mathematics models, we probe into the dynamic state of water quality. The year's average value of major contamination index in Donghu Lake from 2001 to 2008 and fuzzy complex index are used to assess its short-term state of water quality. The results show that its water quality is basically stable in the 4th class of water quality standard GB3838-2002.

KEYWORDS

Fuzzy Complex Index, Eutrophication, Subordinate Degree, Water Quality Assessment

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