

Current concentrations of trace elements in The Tonle Sap Great Lake of Cambodia

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Abstract

Contamination by trace elements has created substantial concern among environmental scientists. The Tonle Sap Great Lake is the largest freshwater lake in SE Asia, hosts one of the most productive inland fisheries in the world. It is connected to the Mekong River through a tributary, namely Tonle Sap River. Recently, many food and beverage industries and other factories have been located on the bank of Tonle Sap River. Poor management of the waste water from those facilities may pollute river water. Concurrently, an assessment of trace element contaminations in the Tonle Sap Great Lake of Cambodia has not been conducted to date. In the present study, a distribution of trace elements in The Tonle Sap Great Lake and its tributary in Cambodia is investigated and compared.

Keywords: Trace elements, Tonle Sap River, Tonle Sap Great Lake, Cambodia

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