

PHOSPHORUS RELEASE FROM LAKE BOTTOM SEDIMENTS AFFECTED BY  
ABIOTIC FACTORS

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**Abstract:** The likelihood of phosphorus release from lake bottom sediments into bulk water as a result of changes in the physicochemical conditions in the lake has been analyzed by the method of sequential extraction proposed by Tessier *et al.* The procedure developed for estimation of the threat to water ecosystems posed by heavy metals accumulated in the bottom sediments, can be successfully applied in estimation of the release of other substances, including biogenic ones, as the subsequent states of extraction simulate the abiotic conditions and processes that can naturally take place in the near-bottom water layer and in the bottom sediment.