

Investigation of the features of chemical composition of different types of soil in the Kazan lakes of Middle and Upper Kaban

© Marina L. Kalaida, and Maria E. Gordeeva

Department of Water Bioresources and Aquaculture. Kazan State Power Engineering University.

Krasnoselskaya St., 51. Kazan, 420066. Tatarstan Republic. Russia.

Phone: +7 (843) 519-43-53. E-mail: Maria.Galeeva@gmail.com

*Supervising author; ⁺Corresponding author

Keywords: bottom sediments, heavy metals, water ecosystem, coarse silts, fine silts, sand.

Abstract

In the article, there is given the analysis of bottom sediments in the Kazan lakes of Middle and Upper Kaban. These lakes are tested for different degree of anthropogenic stress. Three types of soil were allocated in these lakes which characterized by certain features and properties. The research of chemical composition of allocated types of soil and the analysis of heavy metals in them were carried out. Determination the quantity of loss on ignition allowed to identify the amount of organic composition in samples analyzed.