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PECULIARITIES OF FORMING RADIOACTIVE CONTAMINATION OF HIGHER AQUATIC PLANTS FROM KYIV RESERVOIR

Peculiarities of forming radioactive contamination of higher aquatic plants from Kyiv reservoir in 2010 was studied. For the first time the levels of content ^{137}Cs and ^{90}Sr in plants from different parts of reservoir was analyzed. Content of ^{137}Cs in plants was registered on the level from 5 to 588 Bq/kg, ^{90}Sr – from 0,5 to 50 Bq/kg. Levels of radioactive contamination of higher aquatic plants depended on peculiarities of radionuclides migration in water area of the reservoir with water masses.

Keywords: higher aquatic plants, ^{90}Sr, ^{137}Cs, aquatic ecosystems, Kyiv reservoir.