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Changes in the species composition and abundance of young-of-the-year fishes in the upper Volga stretch of the Kuibyshev Reservoir during the period of 1991 to 2009

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Abstract

© 2014, Pleiades Publishing, Ltd. The species composition and abundance of young-of-the-year fishes have been analyzed in catches made in the upper Volga stretch of the Kuibyshev Reservoir between 1991 and 2009. It has been found that the juvenile abundance of roach and blue bream has decreased, while that of perch, silver bream, and spined loach has increased, with young-of-the-year juveniles of common rudd, tubenose goby, round goby, and black-striped pipefish appearing in catches. The results of the study show that, against the background of juvenile population decline in many spring-spawning fish species, the abundance and species diversity of young of the year in summer-spawning species has increased during the observation period.

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Keywords

abundance, Kuibyshev Reservoir, species composition, young-of-the-year fish