ABSTRACT

THE DYNAMICS OF MASS ABUNDANT PHYTOPLANKTON SPECIES IN LAKE BOLSCHOY KISEGATSCH (SOUTH URAL, RUSSIA)

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Deep lake B. Kisegatsch for last 30 years is loosing its oligotrophic status. This process by occurrence of mass development of microscopic seaweed — phytoplankton is evidently expressed. Seasonal and long–term dynamics of abundant phytoplankton species in lake is considered. The dominance of Bacillariophyta, Chrysophyta and Dinophyta was kept after 30 years, but increasing of blue–green algae (Cyanophyta) abundance and frequency of meetings during all season is observed. Dominant assemblage includes green algae (Chlorophyta) too. The increase of Cyanophyta and Chlorophyta is evidence of eutrophication and decreasing of water quality in this health resort reservoir for last 30 years.

Key words: phytoplankton, number dominant kinds, seasonal dynamics
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