

THE GRADATION OF MACROVEGETATION IN THE AREA OF THE SOMOVA-PARCHES AQUATIC

A. Popescu, C.D. Ibanescu, I. Vasilean

"Dunarea de Jos" University of Galati, Galati, Romania

Abstract

The macrovegetation is a permanent, but not exclusive, component of the waterside area, fixed on the substrate by strong roots or rhizomes that, in most cases, cross the water column coming into contact with the atmosphere.

For all categories of aquatic vegetation, the development in an excessive way leads to a deficit of oxygen in the warm months, at dawn. Oxygen varied between 8.32 mg/l end 8.68 mg/l.

Our study was carried out in Tulcea County in July-August 2020 and July-August 2021. In this case study, the gradation of macrovegetation in space according to water depth is presented. The plant species were identified in the area of the Somova-Parches Aquatic Complex. In the Somova-Parches Aquatic Complex, the reed covers large areas and plays an important role as a biological filter as well as protecting the banks.

Key words: *macrovegetation, gradation, reed, plant species, aquatic complex*