

NEW CONTRIBUTIONS TO THE KNOWLEDGE OF THE STATUS OF FRESHWATER PEACEFUL FISH AND PREDATORY SPECIES IN THE DANUBE RIVER KM 1047 – 1071

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Abstract

*This study aims to contribute to the identification of the ichthyofauna structure for the most important fish species in the Danube River, sector km 1047-1071 by quantifying the data obtained during 2021 through scientific fishing, compared to the studies carried out in 2020. The purpose of this work is also to analyze the influence of environmental factors on catches and the structure of the ichthyofauna. Compared to 2020, the appearance of the species *Hypophthalmichthys molitrix* (Valenciennes, 1844) in catches and changes in the ratios between catches per species and fishing seasons can be noted. Both temperature and water level showed variations in correlation with total catches. Water levels and flows show a direct correlation with both the number of specimens caught and the catches.*

Key words: *Danube River, abiotic factors, fish stocks, catches, fish communities*