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ROLL AND IMPORTANCE OF ACCUMULATION LAKE GRUŽA IN BIRD MIGRATION

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RAKOVIĆ MARKO⁴ & BARNJA KRISTIAN⁵**

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Artificial accumulation Lake Gruža fills the depression of the Knićko Field, situated between the mountains Gledičke and Kotlenik. It was formed mostly in order to provide water supply for industry and residential of the Kragujevac District. According to its advantage location, it lays on predicted moravsko-varđarskom migratory route. In this paper it has been showed ringing data within this area during autumn and spring migration of resident and transitory population of passerines and data obtained during the winter months, for lake's surface is rarely frozen, so it presents wintering area for numerous waterfowl flocks. During the research, it has been recorded in total 153 bird species. The most abundant month was January, when there were detected 9577 waterfowl individuals from 29 species. During the spring and autumn migration, 370 bird individuals were banded, form 32 mostly passerines species. Ringing data showed that accumulation Gruža indeed has important roll in bird migration, along mentioned migratory route, for it enables the migrating birds to rest, regain their strength and recharge the energy supplies before continuing the migration. Moreover, importance of accumulation is greater when we know that significant number of wintering and migrating birds are rare and endangers, not only in Serbia, but allover the Europe.

Key words: migration, waterfowls, migratory route, ringing