

ABSTRACT

The master's thesis focuses on Slapy valley reservoir which is first described as a suitable location for fishing and recreation. Special attention is also paid to its history. The main body of the thesis features the enumeration and characteristics of individual fish species which occur in the reservoir. Furthermore, the thesis deals with the evaluation of the fishing management of the reservoir from 1962 to 2016 considering fish stock and catches of individual species. Factors influencing the development and dynamics of the fish stock are also evaluated. The summary management of Slapy valley reservoir is analyzed in terms of fish stocking and fishing yields. In addition, the population dynamics trends of predatory and non-predatory fish species are analyzed on the basis of fishing catches. In the conclusion, the current condition of the fish stock is evaluated and some minor recommendations for optimizing the fishing management of the reservoir are proposed.

KEYWORDS:

fish, Slapy, valley reservoir, sport fishing, catch, fish stock, fishing management