LENGTH-WEIGHT RELATIONSHIP AND GROWTH OF LAKE SHKODRA BLEAK (*Alburnusscoranza)*

Blerta Dervishi, Valbona Kolaneci & Elvis Kamberi
Department of Aquaculture and Fisheries Faculty of Agriculture and Environment
Agricultural University of Tirana, Tirana,
ALBANIA
Corresponding Author Email: blerta.dervishi@yahoo.com

ABSTRACT

Shkodra Lake bleak (*Alburnusscoranza*, Bonaparte, 1845) is one of the most commercially important species of Shkodra Lake. It is native in Ohrid and Shkodra basins. In recent years the bleak catches has fallen considerably. This study is an attempt to evaluate the condition of the bleak population through estimation of the length-weight relationship, growth parameters and condition factor to provide a database for the estimation of stock structure and forecast the Shkodra lake bleak biomass in the future. For the study year, 2017, bleak population in Shkodra Lake showed a negative allometric growth expressed by the equation $W=0.000088 \cdot L^{2.57}$. Growth parameters are estimated as: L_{∞}= 19.43 cm; K=0.70 yr^{-1} and t_0=0.18 yr . Length at first maturity is L_m=13.28 cm and the growth performance index of bleak population is estimated as Ø'=2.42.

Keywords: Bleak, length-weight relationship, growth parameters.