

PROBLEMS ASSOCIATED WITH QUANTIFICATION OF STOCKING

M.J.S. Wijeyaratne
Department of Zoology, University of Kelaniya
Kelaniya, Sri Lanka

INTRODUCTION

Stocking of juvenile fish in lakes, reservoirs and lagoons is now being carried out in most countries of the Indo-Pacific region with the objective of increasing the fish production. However, in most cases stocking has been carried out haphazardly. Hence, there is a great need for the quantification of the amount of fish juveniles that is needed to be stocked in these water bodies. A method to estimate the number of juveniles needed to be stocked in a particular water body was suggested by Welcomme (1977). Wijeyaratne and Costa (1981) modified this method to estimate the stocking rates of juvenile Oerochromis mossambicus in some inland reservoirs of Sri Lanka. In estimating these numbers, however, several assumptions have to be made in the calculations.