

Culture based fishery and socio economic recovery of medium perennial reservoir at Kottukachchiya, Sri Lanka

Vithana VDCN¹, Edirisinghe U² and Dissanayake CDAMPA¹

¹*Ministry of fisheries (NWP), Kurunegala Road, Chilaw*

²*Faculty of Agriculture, University of Peradeniya*

Abstract

Socio-economic developments through the renewable resources are highly important in the present situation in the rural area of the dry zone. Multiple use of reservoir together with culture based fisheries is possible method to develop socio economic condition in village level. The present study was carried out in kottukachchiya medium perennial tank of puttalam district. With the introduction of fingerlings to the reservoir the culture based fisheries has been started in kottukachchiya reservoir.

Daily income level, organization income, total annual production and fish stocking intensity were considered in this study. The results showed that daily income level through the fishing was increased. As a result of the culture based fishery reservoir monitoring and management with the government institutions has been increased. In addition to that the economic benefits, the fishing methods, fishing equipments, reservoir cove development and the subsidies have been obtained by the organization. Group activity together with best management practices caused to increase the annual stocking volume in this medium perennial tank of kottukachchiya.

Culture based fresh water reservoir fisheries in medium perennial tanks are effective way to develop socio economic conditions of the rural communities in dry zone area.

Keywords: socio economic, fisheries, Puttalam district