

Indo-Pacific Mackerel Resource from Small Scale Fisheries in Trat Province

Jarupa Siri and Teerayut Srikum^{*}

Eastern Marine Fisheries Research and Development Center (Rayong)

Abstract

Study on Indo-Pacific mackerel was conducted from catch data of Indo-Pacific mackerel drift gill nets and bamboo stake traps around Trat Province during October 2007-December 2008. It was found that fishing grounds of the Indo-Pacific mackerel drift gill net fishery were extended from the Chang Strait to Khlong-Yai District where water depth was 3-13 meter, of which fishing seasons were in the North-East Monsoon and inter-monsoon periods. Fishing grounds of the bamboo stake trap fishery were in Trat Bay and the Chang Strait where the water depth was 5-8 meter. Average catch rates of the gill nets and the traps were 1.23 ± 0.01 kilogram/net and 220.04 ± 325.47 kilogram/trap, respectively. Compositions of the Indo-Pacific mackerel were 41.84 % from gill net and 70.45 % from trap. Their length were 10.00-21.50 (16.07 ± 1.26) centimeter from gill net and 9.00-21.00 (14.52 ± 2.01) centimeter from trap. Length at capture of Indo-Pacific mackerel from trap was smaller than that from gill net, showing that small Indo-Pacific mackerel live inshore and move offshore when grown up.

Key words: Indo-Pacific mackerel, small scale fisheries, Trat Province

*Corresponding author: 2 Moo 2, Phe Sub-District, Muang District, Rayong 21160 Tel. 0 3865 1764

e-mail: emdec2003@yahoo.com