

Fish Aggregating Devices Purse Seine Fishery in the Andaman Sea, Thailand

Praulai Nootmorn (1), Kanokwan Maeroh (2)

(1) Marine Fisheries Research and Development Division, Department of Fishery, Thailand; (2) Upper Andaman Sea Fisheries Research and Development Center (Phuket), Department of Fishery, Thailand.

Main author contact details: nootmorn@yahoo.com, Phone +66 85-070-6589

Summary

Fish Aggregating Devices (FAD) purse seine fishery in Andaman Sea was conducted to collect the data of FAD from landing survey and fishing license in 2018. FAD fishing was using with 2-4 light luring vessels and FADs 2-80 units. The material of FADs was composed of bamboo pole, anchor leaves, bio-degradable and cement weight, which was low cost and available in area. FAD was not impact with bycatch or incident catch.

FAD fishery operation was 1-2 days per trip or 21 days per month. Fishing grounds located along Andaman Sea where distances from shores are 10 to 30 nautical miles and depth of water range from 20-80 m. Average annual catch rate was 2,290.20 kg/day. Catch composed of *Decapterus macrosoma* 22.73%, followed by *Decapterus maruadsi* 15.32%, *Rastrelliger kanagurta* 14.41% and other species 47.54%.

FAD measured in Thailand is determined for fishers who possess purse seine with FAD should register the type, number, and pattern of installation and coordinates location at sea. This information should be recorded in the commercial fisheries permit application form. In Andaman Sea is determination of a 1 nautical mile for distance between each FAD and the distance between FAD and coastal shore is 10 nautical miles.