

Squid Trap Fishery in the Andaman Sea of Thailand

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Abstract

The study of squid trap fishery in the Andaman Sea was conducted entire the year 2010 in Ranong, Phang-nga, Phuket, Krabi, Trang and Satun provinces. Squid traps were made of wood in the half-cylindrical shape which the sizes were 0.5-0.8 m widths, 0.9-1.1 m lengths and 0.4-0.9 m of heights. The production costs were 180-250 baht per trap and the lifetimes were 3-6 months. Fishing season of squid trap fishery was entire the year. The average catch per unit of effort in the fishing zone 6th (Ranong and Phang-nga provinces) was 3.78 kg/10 traps which the highest was in October and the lowest was in February. The average catch per unit of effort in the fishing zone 7th (Phuket, Krabi, Trang and Satun provinces) was 2.37 kg/10 traps which the highest was in December and the lowest was in May. The target species were bigfin reef squid and cuttlefish. In the fishing zone 6th, the compositions of catches were 62.98 % bigfin reef squid and 37.02 % cuttlefish while in the fishing zone 7th, the compositions of catches were 79.42 % bigfin reef squid and 20.58 % cuttlefish. The average mantle length of bigfin reef squid in the fishing zone 6th was 17.71 ± 1.09 cm while in the fishing zone 7th was 16.35 ± 0.86 cm. The averages over cash cost income of fishermen in the fishing zone 6th and 7th were 1,272-3,160 and 571-2,152 baht/trip respectively.

Key words : squid trap, bigfin reef squid, cuttlefish

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