

Research Title	Sustainable Management Development of Blue Swimming Crab Resources based on Local Knowledge of Small Fishing-Boat Fishery at Phe Bay, Rayong Province
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Year	2018

The objectives of this research were to: 1) study the problem of the management of blue swimming crab resources based on local knowledge of small fishing-boat fishery groups at Phe Bay, Rayong; 2) study the good management model on the management of blue swimming crab resources based on local knowledge of small fishing-boat fishery groups at other bays of Rayong; and 3) study the sustainable management development of blue swimming crab resources based on local knowledge of small fishing-boat fishery groups at Phe Bay. The participatory action research (PAR) was used in this study, that is, it has been jointly conducted with local people who have earned for living by crab gill net fisheries, and other officers/academics from the related agencies. The research instruments involved the in-depth interview, and focus group record. The data analysis was based on the qualitative approach, e.g. content analysis. Data triangulation was used for data checking. The results showed below. 1) The problem hindrance of the management of blue swimming crab resource occurred in 2 periods. That is, on the period before separating the blue swimming crab conservation zone, the main problem and hindrance was no clear separation of the conservation zone; as a result, some boats have set their crab gill net in the area where the fishery groups released the young crabs to the sea. On the period after separating the blue swimming crab conservation zone, the main problem was that some fishermen have broken the measures by frequently smuggling to set up their crab gill net in the conservation zone although they have been warned and punished by the said measures. 2) For the good management model on the management of blue swimming crab resources based on local knowledge of small fishing-boat fishery groups at other bays, it was found that the conservation got along with the blue swimming crab bank. The local communities have recognized this problem and tried to handle it before being

supported by other local authorities and the private sector. 3) For the sustainable management development of blue swimming crab resources based on local knowledge of small fishing-boat fishery groups at Phe Bay, it was found that the new blue swimming crab conservation zone was separated by setting up a small zone called “Yolk Zone” together with establishing the blue swimming crab bank.

Key words: Development, Management of Blue Swimming Crab Resources, Sustainable, Local Knowledge, Small Fishing-Boat Fishery Groups