

Increasing Economic Impacts of the Yellow Sea Fisheries through Marine Biodiversity Conservation

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The catch amount of fisheries in the Yellow Sea has been decreasing over time. It was decreased from 264,000 tons in 1986 to 134,000 tons in 2017. According to the results of stock assessment with various models, the potential yield (MSY) of fishery resources in the Yellow Sea was estimated to be about 231 tons. Therefore, through an ecosystem-based management including marine biodiversity conservation, the production can be increased in the future. Results of IO analysis showed that both direct and indirect economic impacts of Yellow Sea fisheries would be increased by 454 billion Korean won and 744.5 billion Korean won, respectively. In addition, employment could be also increased from 18,148 persons to 30,996 persons when the potential yield is achieved.

