

Estimating the Local Fisheries Value and Conservative Value of Dolphins in Hengam Island

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Abstract

Hengam Island is the important island in Persian Gulf that has a various environmental values. In this study we have estimated two important values in Hengam Island; these values are conservative value of Dolphins and local fisheries value. For estimating the conservative value of Dolphins we have used of contingent valuation method and studying was done on native and exotic people by using duplicate two dimensional questionnaires. In the first stage we used of random simple sampling then the Cochran formula was used for estimating the sample size. For estimating the people willingness to pay, the logit model was used and the family income, visitor numbers, education levels, age and sex was estimated. Results showed that 67 percent of people are ready to pay for conservation of dolphins. Average willingness to pay for every person was estimated 99310.78 Rials per month, also for valuation of local fisheries we used the field surveys by interview with local fishermen and the statistical analysis was done on fuel costs, human labor, fisheries gears and external costs. Finally the value of local fisheries was estimated 28.673.611 Rials per year.

Keywords: Dolphin, Conservation value, Hengam Island, Local fisheries value.

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