

The Survey on Catch of *Alosa* sp. in Gorgan Bay and Comparing of 12 –Year Catch of them in Golestan Province (2000-2011)

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Abstract

To study of one year catch changes of *Alosa* sp. in the Gorgan Bay, the specimens was sampled on 20 AUG in 2000, for a year (catch season) with Gill nets of research. Catch per unit effort (Net/ day) of research nets was 1.2 Kg. Maximum amount of estimated catch was comprising 5.6% for *Alosa* sp. Maximum CPUE was 0.07 kg. Average age of *Alosa* sp was 3⁺ and rang of age was between 2⁺ and 9⁺ age groups. Maximum abundance of age was recorded 3⁺ which included 56% with average weight of 103±4.6 and average length of 22.1±3.3 cm. Maximum length frequency was recorded at 21-22 cm interval and its abundance was included 62% respectively of total catch. Average weight of caught *Alosa* sp. range was between 100 gr and 1200gr. Maximum weight frequency observed at 100-200gr respectively which was comprising 90% of total catch. Maximum of catch observed on may and june that was 95% respectively. Maximum catch in 12-year catch was 5% of total catch was related to 2009(50432kg) and minimum catch was 3% of total catch was related to 2011(13889kg). Total catch of *Alosa* sp in Gorgan Bay was 9314kg (5.6% of total catch).

Keywords: Catch Per Unit Effort (CPUE), *Alosa* sp. , frequency, Gorgan Bay

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