Elham Maghsoudloo, J Aquac Res Development 2015, 6:6
http://dx.doi.org/10.4172/2155-9546.S1.002

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International Conference on
Aquaculture & Fisheries
July 20-22, 2015 Brisbane, Australia

Some culture management indices affecting on great sturgeon *(Huso huso)* production in the Caspian Sea Region, I.R of Iran

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This project was carried out in this case study to determine some of culture management indices affecting great sturgeon, *Huso huso,* production on seven sturgeon farms in the Caspian Sea Region of Iran from 2005 to 2008. The indices were studied using the Cobb-Douglas Production Function. The indices such as useful area, fish size, weight gain, protein and fat percentage were at the 1% significance level, the number of fry and feed use were at the 5%, 10% significance level, respectively. Stocking density and feed conversion ratio were non-significant. In this regards to elasticity obtained for per variable, useful area and fish size have elasticity>1 and feed use has elasticity<1. Also the productivity per unit (kg/m^2) for four farms is less than the standard levels in semi-intensive systems and only in three farms, its productivity is in according to standard level in 2008. On average, every farm with 2,200 m2 of culture useful area and 6,604 pieces of fish has produced 37.37 tons (17.04 kg/m^2) great sturgeon in 2008.

Biography

Elham Maghsoudloo completed her Bachelor's degree in Fishing and Fisheries Sciences and Management at Isfahan University of Technology and also completed her master's degree in Science and Research Branch, Islamic Azad University, Iran.

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