

Identification of threatening factors for fish breeding in cages

Ziba Rezvani^{1*}, Farhad Aghlmandi², Farshideh Habibi Koutenaee³, Ali Rezaei Nasr-abad⁴, Gholamreza Salarvand⁵, Majid Nazaran⁶, Ali Akbar Salehi⁷, Hesam Kiakojouri⁸, Ali Dashti⁹

1,2,4,5,6,7,8,9- Caspian Sea Ecology Research Center, Caspian Sea Fisheries and Ecology Research Station, Kheyroud.

2- Caspian Sea Ecology Research Center, Sari, Farah Abad, p. o. Box: 961

*Corresponding author e-mail: Zibarezvani@yahoo.com

Abstract

Today, human beings have grown as a result of increasing global demand for protein and reducing water resources, developing fisheries industries and managing stocks and other methods, resulting in more product and significant savings in human resources and costs. Marine cages provide a good location due to its large size, self-testing, ease of construction and operation, the use of available water resources, and the provision of depreciation costs for fish breeding. Factors should be taken into consideration in order to succeed and produce more in the cage system. Choosing the right place for fish species, considering the physical and chemical conditions of water (oxygen, pH, salinity, pollution and diseases and stressful conditions), designing the shape, shape and form of the cage with atmospheric conditions and conditions, The presence of favorable conditions for the prosperity of marine zeolites, the presence of birds and marine mammals and weeds, as well as the health surveillance of fish prior to release to the cause of Parasitic diseases (diplostomatosis, botoxophage and ringworm), Microbial (vibrio), Viral (IHN), (IPN) and (VHS) and Fungi (Bronchiomycosis and Saprolegniosis, ...).

Keywords: Sea, fish breeding, cage, threatening factors