

Investigation of biological groups (phytoplankton, zooplankton, Macroenthos) in the fish breeding in Cage culture (Kelarabad)

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Abstract: This study was carried out in the Kelarabad region at the fish breeding site in Cages (Moradkelari). The purpose of this study was to obtain information from the situation before culture activities, but during the sampling period, the release of fish during the two periods was initiated with common Carp and then rainbow trout. Finally, resulted in the harvest of 2 tons at the end of May 2013. The results showed that there was a significant difference between the abundance of macroinvertebrates at different stations ($p < 0.05$), but there was not significant difference between Phytoplankton and Zooplankton ($p > 0.05$). It was concluded that the abundance and biomass of benthic macroinvertebrates in station 1 was lower than other stations which was related to fish cage culture activities.

Keywords: Phytoplankton, Zooplankton, Macroinvertebrate, Cage, Caspian Sea