Influence of environmental factors on aquaculture management and design Arash Ershad^{1*}, Mohammad Reza Rahimi Bashar², Saman Naroni³

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Abstract

Today, widespread use of unutilized soil and water resources for agriculture, industry and sanitation with the potential for the development of aquaculture as an appropriate way to produce food and create employment. Today's world faces three major challenges, namely the

lack of fresh water, food shortages and environmental degradation. Thousands of people die every day because of food shortages and the death rate from food shortages is increasing with increasing numbers of people. In this research, the managerial dimension has been studied to determine the appropriate aquaculture location, and the environmental criteria of organisms including soluble oxygen, pollutants, temperature,...Environmental factors that affect

aquaculture are investigated. Finally, it describes the components of the security system and the network system of the cage. **Keywords**: aquaculture management, biological criteria, caretaker instruments, proper aquaculture