

Bio-safety Management Prevention of the Effects of Fish Escape from Marine Cage Culture

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Abstract

The aim of this study was to investigate the common causes of fish escape from sea cages, to find out to prevent fish escaping. At present study is based on comparative studies of the countries which have good experience on the escaping. The results of the study showed that the strategies for managing the risk of fish escaping from sea cages to maintain the economic

interests of fish farmers as well as reduce or eliminate the environmental impacts of fish escape. As a result, implementation of preventive strategies has resulted in the marine aquaculture due to developing this industry. Additionally, the adoption of these strategies allows for improved, long-term change, provides flexible, consistent and realistic solutions to manage the prevention of fish from marine cages. Initially, a prevention program or activity to get rid of fish escape from marine cages should be placed on the agenda of all fish farmer in cages. The program includes various strategies, such as evasion prevention, re- trapping of escaped fish, and reducing risk of escaping. In this program, the issue of managerial decision making for obtaining fingerlings and growth performance in cages need to considered. .

Keywords: marine cages, fish escaping, strategies, environmental rules