

CAGE MARINE AQUACULTURE DEVELOPMENT IN COASTAL LAGOONS AND BAYS IN KHANH HOA PROVINCE UNDER CLIMATE CHANGE CONTEXT

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Summary

In recent years, there has been strong development of cage aquaculture in bays in Khanh Hoa province and the development has been exceeded indicators and targets mentioned in approved plans. In fact, traditional cage aquaculture technologies are still applied and the development of cage aquaculture in many areas is spontaneous, and not follows plans. This situation results in great damage in cage aquaculture as natural disaster exist. On the other hand, many economic activities (national defence, tourism, marine economy, ...) have been existing in bays in Khanh Hoa province, therefore the development of cage aquaculture must be consistent with the development of many sectors. This study assesses the general issues related to the development of cage aquaculture in the study site including the current status of cage culture areas, applied technology, research on environmental factors, wave and wind resistance of cage aquaculture models and other planning. Based on that, following recommendation has been proposed: suitable areas for developing cage aquaculture; cage aquaculture technology, the maximum number of cages should be remained in each area, species appropriate for cage aquaculture.

Keywords: *Cage aquaculture, Khanh Hoa, Van Phong bay, Cam Ranh bay, Nha Trang bay.*