

Research on the Future Development of Pelagic Fishery Based on the Current Situation of Zhoushan Market

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Abstract: The 13th five year plan for the development of national Pelagic Fisheries clearly points out that the 13th five year plan will be an important opportunity period for China to become a powerful pelagic fishery country. As an important part of Zhoushan's traditional advantageous industry and marine economy, pelagic fishery will also usher in a new round of development. Building an pelagic fishery base is an important carrier and development platform for the new round of development of pelagic fishery in Zhoushan under the historical requirements of the new period. In terms of developing pelagic fishery industry and building pelagic fishery base, Zhoushan has the advantage of "one person and four bodies". Therefore, Zhoushan should seize the opportunity of pelagic fishery base construction, follow the development trend, seize the opportunity of the times, improve various functions of pelagic fishery base, and constantly improve the comprehensive strength and competitiveness of pelagic fishery.

Keywords: Development status and Countermeasures of Zhoushan pelagic fishery

Introduction

Pelagic fishery is a strategic industry for the country to go global. It is not only related to the maintenance of China's marine rights and interests, but also an important breakthrough in the transformation and upgrading of modern fishery. It is of great practical significance to alleviate the pressure of Zhoushan offshore fishing and provide citizens with high-quality marine protein food. It is a marine industry encouraged by all countries and coastal areas. As one of the six key industries for the future development of Zhoushan new area, modern marine fishery industry has been included in the development plan of Zhoushan New Area approved by the State Council, and clearly put forward the development requirements of "building a national ocean fishery base", "promoting the upgrading and information construction of aquatic products market, and building an international aquatic products trade platform" in the plan of Zhoushan new area. Zhoushan archipelago New Area shoulders the mission of building a maritime opening-up portal. Building Zhoushan ocean fishery base into a portal for China's fishery opening-up is not only a historical mission given to Zhoushan by the state, but also a rare opportunity for the development of Zhoushan ocean fishery.

1. Development process of Zhoushan pelagic fishery

Zhoushan has three basic advantages in developing Pelagic Fisheries. First, location advantages. Zhoushan is located at the midpoint of China's 18000km mainland coastline and at the intersection of China's eastern gold coastline and the golden waterway of the Yangtze River. It is a strategic place leading to the Pacific Ocean. It is close to Japan, South Korea and Taiwan, and the main ports in Northeast Asia and the Western Pacific - Kamiyama, Nagasaki, Kaohsiung, Hong Kong, Singapore, etc, Forming a fan-shaped shipping network with an equal distance of 500 nautical miles is geographically conducive to attracting fishing vessels from Taiwan and other countries in the Northwest Pacific and the central and Western Pacific, and taking Zhoushan as the home port for supply and trading [34]. Therefore, the conditions for building a Pacific Ocean Aquatic products distribution and trading center in Zhoushan are very favorable. Second, industrial advantages. Fishery is the most important traditional industry in Zhoushan, with profound fishery culture and strong development atmosphere. Zhoushan has become the main customs entry port for China's ocean fisheries.

2. Development advantages of Zhoushan in developing Pelagic Fisheries

At present, the ownership form of marine fishing vessels in Zhoushan is mainly the fishing vessel joint-stock cooperation system. As of 2013, Zhoushan has 406 ocean fishing vessels, including 37 tuna, 4 saury, 20 domestic refrigerated transport vessels (including 9 convenience flag large tonnage transport vessels), 20 Indonesian trawls and 325 ocean squid fishing vessels. The scale of ocean fishing vessels in Zhoushan City has ranked among the top in China. However, due to the relatively weak foundation of ocean fishing in Zhoushan City, the problems of small hull size, long ship age, obsolete equipment and non specialization of ocean fishing vessels are prominent. In recent two years, Zhoushan City has implemented a series of strict management regulations on ocean fishing vessels to promote the healthy and sustainable development of ocean fishing in Zhoushan City.

3. Existing problems

3.1 Fishery Resources Continue to Decline and the Marine Environment is Seriously Polluted

In recent years, the fishing pressure has been maintained at a high intensity, the marine environment is deteriorating, and the fishery resources continue to decline, which has become an undeniable problem. With the expansion of Zhoushan fishermen's scope of operation from the coastal waters with shallow initial depth to the waters with a water depth of 200m, the number of Zhoushan marine

fishing vessels has soared to more than 11000. To the “12th Five Year Plan”, although the number of fishing vessels has decreased year by year, the total power has increased significantly, and the overall fishing pressure has increased.

3.2 The Degree of Industrialization and Organization of Aquaculture Industry is Low

The aquaculture industry in Zhoushan is still labor-intensive, the productivity level is low, mainly based on the traditional extensive mode, and the development of modern aquaculture mode is relatively slow. During the 12th Five Year Plan period, the average annual output of the traditional aquaculture model dominated by ponds accounted for 21% of the total output of mariculture. Except for raft aquaculture, the average annual output of the modern aquaculture model dominated by cage, bottom sowing and industrialization accounted for less than 2% of the total output.

3.3 The Scale of Deep Processing of Aquatic Products is Still Small

The total amount of aquatic deep processing represented by canned products, aquatic feed, fish meal and fish oil products is still small, and the proportion is still low. During the 12th Five Year Plan, the average annual output of these three types of processing accounted for only 9.4% of the total, and the average annual output of aquatic feed fish meal processing accounted for 7.6%. From the change of the proportion of these three categories, only the processing of aquatic feed fish meal increased year by year. At the end of the 12th Five Year Plan, the processing output of aquatic feed fish meal in the city reached 70000 tons, accounting for 9.4% of the total aquatic processing, 3.6 percentage points higher than that at the end of the 11th five year plan.

4. Safeguard Measures for Fishery Development Strategy

4.1 Strengthen Organization and Leadership

We will thoroughly implement the concept of “protecting our homes and going to the world”, and take the development of Pelagic Fisheries and Green Fisheries as the top priority in the future development of Zhoushan Fishery Economy. It is necessary to take the construction of the national offshore fishery base and the national green fishery experimental base as an opportunity to strengthen the organization and leadership of the fishery work, especially the offshore fishery and green fishery, and bring the construction of the national offshore fishery base and the national green fishery experimental base into the annual assessment objectives of the municipal government for counties (districts) and relevant departments. Establish and improve comprehensive coordination groups, their respective leading groups for ocean fishery development and green fishery development, study and formulate policies and measures to support fishery development, and regularly coordinate and solve major problems in development.

4.2 Strengthen Guarantee

Improve the integration of financial funds and strive to build a financial support system suitable for the transformation and upgrading of Zhoushan modern fishery; Formulate measures for the management of special funds for Pelagic Fisheries and Green Fisheries, and make overall arrangements for the construction of two national bases for Pelagic Fisheries and Green Fisheries and special support for relevant industries; Special funds for resource protection, quality and safety supervision; Accelerate the establishment of investment funds for Pelagic Fisheries and green fisheries industries to provide support for pelagic fishing, intensive processing, cold chain logistics of aquatic products, breeding of famous, special and excellent species, etc.

4.3 Strengthen Scientific and Technological Support

Increase scientific and technological investment in Pelagic Fisheries and Green Fisheries, and gradually establish scientific and technological support system and scientific research team; Actively cooperate with Zhejiang Ocean University and relevant scientific research institutes to build an industry university research platform, strengthen the development and research of advanced marine equipment and energy-saving technology, and gradually improve the modernization level of ocean fishing vessels; Relying on the establishment of technological innovation strategic alliance and building a national green fishery laboratory as a platform, we will focus on breaking through key technologies such as large-scale seedling cultivation, island and reef ecosystem protection and proliferation capacity assessment and ecological environment restoration, so as to continuously improve the sustainable utilization ability of marine fishery resources.

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