

P10. Current situation and future prospects for utilization of deep sea water in the fisheries field

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1. Introduction

Since 2011, Korea has been using deep sea water in earnest for the artificial hatching and rearing of marine products. Since then, the usage has increased by about 20% every year, and in 2013, 390,000 tons were used for artificial hatching. It also used 35 million tons of deep sea water in total with a total of 31.1 million tons in the export business. We use deep sea water of 3.7 million tons (94.5%) of domestic total water intake. However, there are no records that have been used in aquaculture and other industrial fields other than artificial hatching and fish holding yet.

2. Methods

In the field of fisheries, which is a resource utilization field in Korea, 7.4% of the normal price is for the artificial hatching of marine products at one of the deep sea water fishery resource centers in Gangwon province, and the price is 740 won / ton, which is much less than the intake price. In 2013, it supplies about 390,000 tons of deep sea water. Korea developed deep sea water as private capital, not government fund. In addition, since there is no institutional device like the Japanese public system, deep sea water can not be supplied at very low special policy prices like Japan.

Another area of application is the use of more than 3 million tonnes of deep seawater a year in 2013 for a bonded storage of imported aquatic products. This resulted in about 1.2 billion won in storage income. The company can not calculate the supply price of seawater deep sea water separately because it uses deep sea water in self-consumption form by directly operating the facility. Therefore, if we calculate the amount of storage revenue of about 1.2 billion won by using the amount of ocean deep seawater, it is only about 400 won per ton. If you think about it, you can get a low profit rate. Deep sea water is used for fisheries, and information about economic benefits such as low mortality caused by insect pests and rapid growth rate is received. The United States and Japan have gained a great deal of economic benefits by using large amounts of deep sea water in the fisheries.

3. conclusion

I think deep ocean water is a gift from heaven to us. And in this world, there is no business that is not necessarily successful if you participate in the business, and there is no opposite business. It's all about How To Do, not What To Do.