

The Eelgrass (*Zostera Marina*) Bed Creation in Yokohama Bay

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Though Eelgrass grew thick in everywhere in Tokyo Bay before, the influence of the urbanization of the seaside part was taken, and it was with only staying at Kanagawa Pref. and Chiba Pref. a little at present. An important function as an inhabiting place such as fish and shells is done in this Eelgrass place Tokyo Bay inhabiting environment restoration Eelgrass bed development thing. So, We are tested the transplantation of Eelgrass in Yokohama Minatomirai area.

Transplantation of Eelgrass is done on October 29, 2001, month 1 time observation of Eelgrass growth started from November 2001. Eelgrasses that it was transplanted to are a seed and a growth stock (Odawa Bay in Kanagawa Pref. and the land water tank of Kanagawa Pref. marine laboratory).

When the germination conditions of Eelgrass seed were seen, the germination of the seed was seen in November 2000 – April 2001.

When a germination rate is seen, it was a range of 0.0% (January) from 3.3% (December). But, most of confirmed Eelgrass is 4-5cm, what was observed in December disappeared in January so; it is thing that the stock which can't be confirmed is seen by the observation of one time in a month.

When the growth of Eelgrass which it was transplanted to is seen, growth is an average 5cm in 1-month germination .It was low when it was compared with land water tank Eelgrass growth (in 1 month, average 20cm) thing. But, the state of the increase was seen in some division.

Though it think that raising from the seed in Yokohama port back part is very difficult. It depends on transplanting Eelgrass which made it raise it in the land water tank and so on this thing possibility to take root.