

舟山渔场赤潮频发的原因及防治对策探讨

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(国家海洋局东海预报中心,上海,200081)

本文着重从海洋食物链的角度探讨了舟山渔场赤潮频发的原因,认为海洋食物链所遭受的严重破坏是导致舟山渔场赤潮频发的重要因素之一;对于如何减少赤潮的发生也提出了宜综合防治的观点,并提出,加强渔业资源的捕捞管理,修复海洋食物链,将是综合防治赤潮灾害中的非常重要的组成部分。

关键词 舟山渔场 赤潮 食物链

Study on the reason red tide occur in Zhoushan fishing ground and the way to hold back the trend

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In this paper, we probe in the view of food web why red tide cases occur frequently in Zhoushan fishing ground recent years, and think that the damaged food web is one of the most important factors that resulting in red tide cases. It should take multiple measures for us to hold back the rising trend, and strengthening the administration of fishery resources, repairing and maintaining the food web will be the indispensable measures.

key words zhoushan fishing ground; red tide; food web

1998 年广东沿海赤潮与海洋水文气象关系研究

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根据1997年10月至1998年5月广东沿海赤潮实况与海洋水文气象要素实测资料,分析了广东沿海赤潮发生与海洋水文气象关系。结果表明:棕囊藻和三宅裸甲藻最大

增殖速率发生在日平均值：海水温度 21.9~26.9℃、盐度 26.68~32.01‰、气温 22.9~27.1℃、风速 0.2~4.3m/s、气压 1002.2~1011.9hPa、相对湿度 83~94% 的范围。认为 1997 年至 1998 年赤道太平洋上层海洋水温异常变化，导致 1998 年中国东南沿海水温偏高，风速偏弱，盐度偏低，相对湿度偏高，气压偏低，降水量多少对赤潮形成和发展有重要影响。

关键词 广东沿海，赤潮，海洋水文气象

The observatory on the relationship between the extensive red tide's occurred in Guangdong coastal in 1998 and ocean hydrometeor

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According to the extensive red tide in Guangdong coastal and relevant ocean hydrometeor element data from October of 1997 to May of 1998, we analyzed the ocean hydrometeorological inductivity function to red tide. We think the abnormal change of surface ocean temperature in equatorial pacific lead to water temperature 、relative humidity turn on the high side, salinity、air pressure on the low side, wind speed weaken in China Southeast coastal in 1998 which is the warmest year of the past 1000 years, precipitation' decrease(increase) have an important influence on red tide's formation and development(regression).

Key Words Guangdong coastal, red tide, ocean hydrometeor