

论文

东黄渤海白姑鱼 (*Argyrosomus argentatus*) 渔场空间格局的研究

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摘要:

根据1971—1982年渤、黄、东海的统计资料研究近海白姑鱼数量空间格局的变化。研究表明:我国东黄渤海白姑鱼渔场一共有3类:即产卵场渔场,主要位于春季东海沿海水域;索饵场渔场主要位于夏季的东海北部和黄海南部;越冬场渔场有两个,北部越冬场在冬季的东黄海外海,南部越冬场主要集中在东海南部近海。自1978年后,东海白姑鱼产量明显上升,并且超过黄渤海区。通过对不同渔场白姑鱼产量对整个渔场产量贡献的分布格局分析显示,东海白姑鱼主要渔场有两个:其中东黄海渔场位于长江口附近,渔汛为5—9月;黄渤海的渔场位于黄海北部近海和渤海中央,主要渔汛在11月。在渔汛时,白姑鱼渔场中的鱼群密集,产量集中,是捕捞白姑鱼的理想渔场。1971—1982年白姑鱼鱼群的分布与近年来分布格局类似,因此论文有关白姑鱼渔场特征、渔汛时间和渔场贡献率分布格局模式等重要结论对现今白姑鱼资源保护仍然具有重要的参考价值。

关键词: 白姑鱼 渤、黄、东海 渔场

Spatial-temporal Pattern to Fishing Ground of White Croaker in Bohai, Yellow and East China Seas

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Abstract:

The distribution and spatial patters of white-croaker fishing grounds in Bohai, Yellow and East China Seas were studied according to the capture production from 1971 to 1982. It shows that there are three types of white-croaker fishing ground, that is the spawning grounds which were mainly located in coastal waters of the East China Sea during spring, feeding grounds which were concentrated on the northern part of the East China Sea and the southern of the Yellow Sea during summer, and the wintering grounds, including two parts: the northern one locating in the eastern offshore of the Yellow Sea and the southern one concentrating on the southern nearshore of the East China Sea. The capture production of white-croaker in the East China Sea had increased insignificantly and exceeded the production of the Bohai and Yellow Seas since 1978. In addition, the main fishing grounds for white-croaker in the East China Sea were located in the Changjiang River estuary during May-September and the northern nearshore of the Yellow Sea and center of the Bohai Sea during November. During the fishing season, these places, with intensive fish group and concentrated production, were high-quality fishing grounds. The spatial distribution pattern of the fishing grounds for white-croaker in 1971-1982 was similar to the current, hence the research on white-croaker in the characteristics of fishing grounds, fishing season and the contribution of fish distribution pattern mode is of important reference value to the present protection of the fish resource.

Keywords: white-croaker East China Sea fishing ground

收稿日期 2010-08-23 修回日期 2010-11-23 网络版发布日期

DOI:

基金项目:

我国近海海洋综合评价项目(908-02-01-03);国家自然科学基金重大研究计划"全球变化及其区域响应"(90511005)。

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