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Environmental Factors Influencing Site Selection By Aquaculture

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Our country surrounded by seas along three sides has a coastline of around 8,333 km long, and provides provide a high potential for aquaculture in the seas. As a rapidly developing industry in our country, aquaculture has begun to become part of the coastal usage and coastal area planning in the regions of production. Therefore, natural characteristics of the marine area (depth, stream, wind, wave) and characteristics of the coastal structure are important for the aquaculture system. In aquaculture activities performed by way of renting the sea surface, the factors such as terrestrial structure (bay, gulf), land-based sources (industrial facilities, urbanization, tourism-recreational areas), and distance of the aquaculture site to the settlement area are considered as much as marine characteristics in site selection. The study strived to determine marine and coastal area characteristics taking into account the water products breeding facilities operating in Black Sea, and to reveal the factors influencing selection of production site. In selecting the sites to deploy the facility, besides the requirements laid down by the legislation, the enterprises in Black Sea were determined to prefer protected areas which are remote from industrialization and urbanization as well as because of natural factors particularly in an effort to minimize the pollutant effects. Keywords: Black Sea, Aquaculture, Aquaculture facilities, Site selection, Protected areas, Environmental factors