

新竹縣永續海岸整體規劃之研究
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摘要

To solve the issues such as lacking environmental information for coastal sensitive areas, important wetlands not been designated as the appropriate district, local industry and tourism resources not been integrated, the study uses GIS spatial makeup tools - Kriging method to conducts simulation for the distribution of Hsinchu County coastal ecological resources and environmentally sensitive zones, and plans on coastal preservation areas, protection areas, coastal restoration areas and moderate development area for Hsinchu County in accordance with the characteristics of coastal environmental resources, in an attempt to minimize spatial conflicts between coastal ecological conservation and land development. The final results of spatial analysis is not only to integrate the information regarding coastal land use potential and ecological sensitivity but also to provide references for Hsinchu County in the future to conduct coastal land development and environmental resource conservation, and to serve as the research basis for spatial ecology-based environmental management technology.

關鍵字：Coast, Ecological Environment, Kriging, Spatial Analysis, GIS