

Technical Databank

Presently, the water body in Taiwan does not reach the standards of the water body classification. For this reason, we have to choose the best collocation from the river restoration technology. The NTS (natural treatment system) is a good approach to improve water quality. It can not only improve water quality but also bring a lot of benefit to our environment and society. This paper used the environmental GIS (geographic information system) to build the technical databank and functional estimation of the NTS. And this research can also help the policy-maker select the fitting site for the NTS by operation decision system to as the reference for policy.

Abstract

河川綜合治理中，探討出最佳的應用組合方式為目前最重要的課題。其中河川自然環境
化處理系統(NTS)衍生價值十分多元，若能將此系統納入水資源規劃時之參考，將有助於整體水環境之整合。本研究為利用地理資訊系統(GIS)作為各類資料之主要處理
分析工具，並配合功能性計算表與技術開辦資料庫，尋求河川自淨系統可用之施作場
址。並藉由功能決策運算推行政策之淨化處理效能與效益，以提供決策者作為參考。
然淨化生態保育與淨化場址功能評估之參考。

卷之三

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Take Wu River for Example

System in River Natural Treatment System –

The Study and Design on Environmental Geographic Information

之研究——以鳥類為例

環境地理資訊系統應用於河川自然淨化處理技術