

從封溪護漁河段之遊客行為探討水域空間之規劃—以苗栗縣南庄鄉蓬萊溪為案例

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摘要

Abstract

In recent years, there have been many private organizations calling for river reserve to restore environment. However, what often following the success actions is the transformation of the reserved river sections into tourist attractions, a conflict the communities encounter between ecological protection and economic interest. According to our research, the management of river reserve mostly does not meet the conservation requirements even nowadays with a 20-year history of 'River Reserve' actions. Moreover, improper management for the purposes of recreation and economic benefits was commonly observed, for examples, constructing concrete pathways and revetment along the river reserve sections, or building public facilities and observatory restaurants beside rivers, which severely exploit natural resources. River reserve sections known to contain unique fauna and flora resources are considered areas with high potential of ecological education and tourism. Therefore, how to balance between conservation and recreation by means of landscape planning and design will be an important issue for the environmental management of river reserve sections.

This project examined a case of river reserve action launched in 2001 at the Penlai Creek, Miaoli. Because of the remarkable success in fish restoration, the Creek has become a famous tourist attraction in the Nanjuang County. In order to attract more tourists, the local government endeavors to build public facilities which, however, might impact on ecology in the near future. By applying a variety of approaches, including reference reviews, questionnaire surveys, interviews of management authorities, and case studies, this project aimed to examine (1) the impact on natural environment from the behaviors and activities of tourists in the river reserve section; and (2) the impact on the Creek

resulting from construction types, misuses of river resources, and relevant policies. Finally, this study attempted to develop appropriate planning principles for the management of river environment from the ecological viewpoint.

關鍵字：Key words: River reserve, Ecological conservation, Ecological design, Sustainable management, Tourist behavior.