

工程生態檢核制度應用於流域管理

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### 摘要

Watershed management includes water resource utilize, prevention and control of water pollution, rivers and water drainage administration, integrated catchment management. It is still lack of adding the ecological conservation into a mechanism of government's public project. Therefore, the ecological check is an effective system to provide specific conservation and governance with the concepts of ecological conservation and landscape maintenance. To explore the key factors of ecological check, by the way of case study about system operation, analysis, validation and review. This paper is to report the developing processes of the habitat ecological conservation and ecological check mechanism for the watershed engineering, as using the case of Shimen Reservoir and its Watershed Management Project. The results were studied through several methods, including participant observation and field observation and consulting and decision-making processes analysis. The implemented are friendly to the watershed environment. Such practices provided a new ecological paradigm for sustainable public infrastructure.

關鍵字：Ecological check; River watershed management; Shimen Reservoir watershed; Ecological conservation.