

## 臺南地區土石流潛勢溪流治山防災構造物調查與集水區保育治理需求評估

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**摘要** 本研究之目的乃為瞭解及評估土石流潛勢溪流集水區範圍內治山防災構造物成效，並評估該集水區災害潛勢，研究成果可作為權責機關辦理治理工程優先順序之參考。研究範圍以臺南地區共 48 條土石流潛勢溪流集水區為調查評估範圍，透過彙整相關計畫報告與整治工程書圖資料，並應用現地勘查與數值地形模型分析，建立集水區整治現況等級與環境指數，運用本案研提之集水區保育治理需求評估矩陣，進行土石流潛勢溪流集水區保育治理需求性評估。共完成 48 條土石流潛勢溪流及 95 件歷年整治工程現勘與調查紀錄，並評估其保育治理需求；評估結果保育治理需求為重要治理者有 18 條；一般治理者有 30 條。此外，依勘查成果對各土石流潛勢溪流集水區環境現況研提改善建議。

**關鍵詞**：土石流、保育治理、構造物調查。

### Investigating Erosion and Sediment Control Engineering and Assessing Regulation Needs of Potential Debris Flow Torrent in Tainan

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**ABSTRACT** This study wants to know the situation of potential debris flow torrent and evaluated the regulation needs. The scope of this study, 2012, in Tainan, a total of 48 potential debris flow torrents for the investigation and assessment. This study compiled the debris flow potential streams related research reports, collect the drawings of regulation projects. By analyzing digital terrain models and conduct field visit, established the level of regulation and environmental factors (E.F.) of watershed. Using the catchment assessment matrix which mention in this project to assess the regulation needs of watershed of potential debris flow torrent. The jobs completed 48 potential debris flow torrents and 95 remediation works (2001 to 2013) investigation. Evaluating the regulation needs of potential debris flow torrent. According to the results, 18 potential debris flow torrents are important treatment, 30 are general treatment. Mentioning governance recommendations for the current environmental condition of each potential debris flow torrent, respectively.

**Key Words** : Debris flow, Regulation, Structure investigation.

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