

土石流潛勢溪流採木製構造物整治-以臺北市舊埤溪(編號北市 DF028)為例

沈承毅^{[1]*} 林志龍^[2] 黃添進^[3]

摘 要 臺北市信義區和興炭坑旁舊埤溪(土石流潛勢溪流編號北市 DF028)，因案址為礦區且上方即為土石流潛勢溪流，加上地勢陡峭，恐有致災風險，影響下游居民生命財產安全，故臺北市政府工務局大地工程處於 103 年度辦理該區整治工程。本文為介紹土石流潛勢溪流及周邊以木製構造物之整治方法與成效，期介紹內容能提供類似之土石流潛勢溪流案例整治設計之參考。

關鍵詞：礦區、土石流潛勢溪流、木樁節制工、打樁編柵。

Potential Debris Flow Streams Mining Wooden Structures Remediation - Example of Taipei Chiu Pi Stream (No. Taipei DF028)

Tian-Jin Huang^{[1]*} Chih-Long Lin^[2] Cheng-Yi Shen^[3]

ABSTRACT Xinyi District, Taipei City HE Xing mine next to the Chiu Pi Stream (potential debris flow streams No. Taipei DF028), because the case is the top site for mining and potential debris flow streams, coupled with the steep terrain, fear of hazard risks, the impact of downstream residents lives property, so the Taipei City Government works earth works in 103 years to handle the district renovation project. This article describes the potential debris flow streams and surrounding remediation methods and effectiveness of wooden structures, on presentation content can provide similar cases of potential mud and rock slide stream remediation reference design.

Key Words : Mine, debris flow, wooden structures, wattle fence.

[1*] 臺北市政府工務局大地工程處土石流防治科工程師 (* 通訊作者 E-mail: ge-10433@mail.taipei.gov.tw)
Junior Engineer, Mud/Rockslide Control section, Geotechnical Engineering Office, Public Works Department of Taipei City Government, Taiwan

[2] 臺北市政府工務局大地工程處土石流防治科股長
Sub- Section chief, Mud/Rockslide Control section, Geotechnical Engineering Office, Public Works Department of Taipei City Government, Taiwan

[3] 臺北市政府工務局大地工程處土石流防治科科長
Section chief, Mud/Rockslide Control section, Geotechnical Engineering Office, Public Works Department of Taipei City Government, Taiwan