

107 年度臺中分局土石流防災整備與緊急應變計畫

計畫編號：SWCB-107-254

執行單位：將暉工程技術顧問有限公司

計畫主持人：林彥伯 水土保持技師

(本報告書內容及建議純屬執行單位意見，僅供本局施政參考)

摘要

本計畫的主要執行內容為提升臺中苗栗地區土石流防災應變之能力，依照災前整備、災中應變、災後調查以及平日的教育訓練和宣導等四大重點主軸來推動，使水土保持局臺中分局、轄區內各機關以及一般民眾都能建構更好的防災觀念，並強化防災應對機制的作業流程，降低各次颱風豪雨所帶來的危險。

工作項目包括：協助土石流防災應變與情資研判及行政庶務作業，提供氣象情資研判並提升緊急應變期間防災應變效能；評選 6 處坡地土砂災害緊急評估，及 5 處無人載具(UAV)空拍，並針對無人載具空拍技術辦理教育訓練 2 場次；緊急應變期間鄉鎮區公所提報境內重機械待命地點，進行駐點抽查與檢核 2 處，評估重機械佈置之合理性及建議 15 處；針對轄內防災業務承辦人、村里長、土石流防災專員及一般民眾辦理各式防災教育訓練及宣導共計 21 場次；督辦土石流防災演練宣導及充實避難處所辦理情形 26 處。

行政院農業委員會水土保持局臺中分局以 107 年度降雨熱點鄉鎮、103 年~107 年治理工程點位、易致災地區及土石流潛勢溪流分布，並參考易成孤島地區為因子等，盤點出 6 處進行土砂災害評估現勘，使用無人載具進行空拍作業，對周圍的土砂和水文狀況有更清晰的影像成果，並套疊順向坡、大規模潛勢區、土石流潛勢溪流等圖資，初步分析現場整個區塊的狀況，旨在找出分局轄區的防災弱區，作為後續

土石流防災業務之參考。

關鍵詞：土石流防災、土石流防災宣導、無人載具空拍、土石流防災專員

A Emergency Management Plan for Debris Flow Disaster Prevention and Response for Taichung Branch

ABSTRACT

The main contents of this plan is executed to enhance the ability of Taichung, Miaoli area Mudslide Disaster contingency, in accordance with the pre-disaster preparedness, disaster strain, as well as post-disaster investigations weekdays and other education and training and advocacy to promote the four key spindle, so the Soil Conservation Service in Taichung branches, agencies and the general public within the jurisdiction can construct a better idea of disaster prevention and disaster prevention and response mechanisms to strengthen the processes, reducing the risk of various heavy rains brought about by typhoons.

The work items include: assisting the disaster prevention and response of the earth and rock flow, analyzing the situation and administrative tasks, providing meteorological situation judgment and improving the effectiveness of disaster prevention and response during the emergency response period; selecting 6 emergency assessments of slope sand disasters and 5 UAV Shooting and training for the unmanned aerial photography technology for 2 times; for emergency response, the township and township office reported the location of the domestic heavy machinery standby site, conducted spot check and inspection, and assessed the rationality of the heavy machinery arrangement and 15 suggestions; for the

disaster prevention business contractors, the village chief, the earth and stone flow disaster prevention commissioner and the general public to handle all kinds of disaster prevention education training and publicity for a total of 21 times; supervise the implementation of earth and stone flow disaster prevention drills and enrichment shelters 26 cases.

The Taichung Branch of the Soil and Water Conservation Bureau of the Agricultural Committee of the Executive Yuan is distributed in the 107 hotspot towns and towns, the 103-107 years of governance projects, the disaster-prone areas and the earth-rock flow potential streams, and the Yicheng Island area as an adjustment factor. At the 5th, the earth and sand disaster assessment was carried out, and the unmanned vehicle was used for aerial photography. The surrounding soil and hydrological conditions were more clearly imaged, and the forward slope, large-scale potential area, earth-rock flow potential stream, etc. Figure capital, preliminary analysis of the situation of the entire block on the site, aimed at identifying the disaster prevention and weak areas of the sub-bureau jurisdiction, as a reference for the subsequent earth and stone flow disaster prevention business.

Keywords: Debris flow disaster , Debris flow disaster Prevention advocacy, Debris flow specialist, Debris flow disaster Aerial photography

