

摘要

為強化德基水庫集水區整體永續經營之目標，水土保持局在梨山地區規劃成立梨山教育研習中心，期能維護保存與分享梨山水土保持相關資料與經驗、推廣工作，建立一個可以讓國內外的相關人員進行深入研究及研習基地。

本計劃以梨山教育研習中心為主體，以梨山工作站、梨山段 509、509-1 及 509-4 地號內進行規劃與檢討，臺中市和平區梨山段 509-1、509-4 地號為都市計畫保護區，只可施作水土保持設施，因此梨山教育研習中心主要以梨山工作站為主要基地並做為展覽館，提出空間配置模擬及軟硬體之建議；509 地號內為林務局所種植台灣杉之人造林，部份陡坡階有平台，先行完成蓄水池、消能設施，打樁編柵、客土袋排水溝工法之示範，未來可成為梨山地滑監測暨水土保持示範區。

於目標場域可行性分析之同時，調查大梨山地區內各機關之閒置空間，評估活化利用、跨域合作之可行性，配合暨落實行政院活化閒置空間之政策，亦可提早實現教育研習中心之成立。考量現有的監測站空間不敷使用，提出「梨山地滑 G1 排水廊道監測站及維運通道改善」，盤點出需改善項目及排水廊道監測系統軟硬體規劃配置，並進行水化學調查、八大重金屬地下水體檢驗、農藥檢測。

梨山教育研習中心全球資訊網站成立，並製作兩部動畫影片，彙集梨山過去歷史資料、監測數據、影片、照片等紀錄，豐富網站內容，配合政府新南向政策優化未來國際交流場域，提出 106 年~109 年為規劃暨整合及精進運作年，透過教育研習中心、水土保持戶外教室、生態調查及地滑監測案，以展現水保 50 年德基水庫集水區保育利用及治理綜效，並充實水土保持教育研習與國際交流內涵。

關鍵詞：梨山教育研習中心、排水廊道、跨域合作

ABSTRACT

To enhance sustainable management of the catchment area of Deji Reservoir, the Soil and Water Conservation Bureau (SWCB) plans to establish the Li-Shan Education and Research Center in the Li-Shan area to maintain, preserve and share information, experience and promotional efforts related to soil and water preservation in this area. The center will also serve as a base for relevant personnel from both Taiwan and abroad to conduct in-depth research and study.

The Li-Shan Education and Research Center is the principal part of this program for the planning and review of areas including the original Li-Shan Station and Li-Shan parcels 509, 509-, and 509-4. Parcels 509-1 and 509-4 in Heping District, Taichung City are urban planning protection zones where only soil and water conservation facilities can be set up. Therefore, the Li-Shan Education and Research Center will use the Li-Shan Station primarily as its base and an exhibition venue, and propose simulation of space allocation, as well as software and hardware recommendations. The area within Parcel 509 will serve mainly as a man-made forest in which Cryptomeria-like Taiwania (*Taiwania cryptomerioides*) will be planted by the Forestry Bureau, with platforms available on some steep slopes. In this area, reservoir, energy dissipation and sediment deposition facilities will first be completed. This area will also demonstrate the staking and wattling methods, as well as the drainage method using soil dressing bags. Demonstration projects can also be planned using the said methods in the future.

In addition to the feasibility analysis of the target areas, unused spaces owned by government agencies in the Greater Li-Shan area will be examined to evaluate the feasibility of revitalization and cross-field collaborations. If implemented alongside the Executive Yuan's policies for

revitalizing unused spaces, the Li-Shan Education and Research Center can be established earlier. Taking into consideration the lack of space at existing monitoring stations, “Improvement of G1 Drainage Gallery Monitoring Stations and Channels for Maintenance and Operation for Li-Shan Landslide” will be proposed to identify items that require improvement and establish software and hardware planning and allocation for the drainage gallery monitoring system. Water chemistry surveys, groundwater testing for eight major types of heavy metals and pesticide testing will also be conducted..

The Li-Shan Education and Research Center will set up its own website and produce two animations through the compilation of on the historical information, monitoring data, videos and photographs of Li-Shan in the past, in order to enrich the content of its website. In conjunction with the government’s New Southbound Policy to optimize the future field of international exchange, years 2017 to 2020 have been proposed as the years of planning, integrating and refining operations, with a view to demonstrating the synergistic effects of conservation and governance of the catchment area of Deji Reservoir for 50 years and enriching soil and water conservation research and study as well as the significance of international exchange through the Education and Research Center, Water and Soil Conservation Outdoor Classroom, ecological surveys and landslide monitoring.

Keyword: Lishan and Research Center, Drainage gallery, adjoin cooperation