

# 新竹市舊港地區堤防防洪系統規劃設計之研究

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## 摘要

Taiwan rivers short and fast, heavy rain caused flooding, frequent natural disasters, particularly typhoons brought heavy rain triggered landslides, not only brings a large number of river banks of the water level rise, caused by serious flooding, resulting in property damage and health, transport, telecommunications facilities and other issues, but also caused the residents feel uneasy or even a serious threat to life safety.

In this study, selected the Jiougang in Hsinchu City, as the research object, the Jiougang is located in the Toucian River mouth before the inter-tidal terrain, but didn't increase the planning inter-tidal zone, leading to the Jiougang in a rainstorm or a typhoon prone to flood damage occurred in the interim. To preserve the Jiougang area, the shore should be done to build dikes to protect and with the flood plain control, restrictions on land use.

In order to prevent flooding brought about by the disaster, this study from the analysis of the Jiougang area flood factor relationship, between the analysis as a flood control system to explore the planning and setting up the basis of considerations; the embankment at home and abroad according to the present case and the literature analysis, and local residents interview, in order to provide the references for selected embankment types based on the above results, embankment planning and design.

關鍵字：Jiougang, flood, flood control system