

# 國軍協助河川疏濬工程探討及執行效率之研究

朱栢寬, 蕭炎泉

營建管理學系

建築與規劃學院

ycshiau@chu.edu.tw

## 摘要

In recent years, economic development in Taiwan has been prosperous. Sandstones needed in public construction are mainly from the rivers. Hence, rivers not only supply electric power generation, domestic water use, and agricultural irrigation, but also sandstones as the material for public construction. This study probes into the implementation of sandstone acquisition in Taiwan. By empirically analyzing military assistance provided to the Water Resources Office for river dredging, this study measures and analyzes the production system, and proposes feasible improvement suggestions. This study explores the importance of productivity on river dredging, and suggests that the efficacy of river dredging should be measured by productivity. In addition, improvement suggestions are provided on three aspects, which are method and technique, administration and logistics, and encouragement for the workers. Also, training for the personnel, regular maintenance on construction machinery, proper arrangement of construction machinery and number of personnel, as well as complete reward and penalty systems can effectively enhance the efficacy of productivity of river dredging.

關鍵字：River Dredging, Productivity, Construction Machinery