

# 葉綠素預測模式建立—以翡翠水庫大壩站為例

黃國矩, 陳莉, 王泰盛, 莊仁文

土木與工程資訊學系

工學院

lichen@chu.edu.tw

## 摘要

Feitsui reservoir supply whole use water of people in Taipei. The water quality has a lot of Influence to people. Water bloom always occurs in spring and fall. We can find out the Chlorophyll-a exist a change of the season. When water overturn, will bring the sediment in the bottom. Traditional investigate of water quality need a lot of people to work, and cost a lot of time. Only take eight points experiment in the vast Feitsui reservoir. However eight points are not good enough to present Feitsui reservoir. This study try to construct a time-series model of predict Chlorophyll-a. To improve traditional experiment and forecasting water quality. Ensure the security hygiene of drinking water; guarantee that the people are healthy.

關鍵字：Water bloom、Water Overturn、Time-series