

Flood Risk Control (Kandawgyi Lake)

OUTLINE

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- FUNCTION OF KANDAWGYI
- WATER CHALLENGES
- SUGGESTIONS

INTRODUCTION

- Popular recreational area
- Catchment area: 1.421 km²
- Water surface area: 160 acre 65 Ha
- Average depth: 6ft
- Maximum depth: 12ft



INFLOW & OUTFLOW

- Seven Inlets from Domestic waste water and Stormwater (from Bahan Tsp and Tamwe Tsp)
- One Outlet near U Htaung Bo through drainage to Hlaing River



FUNCTIONS OF KANDAWGYI

- Former Kandawgyi Lake Water was supplied for urbanization.
- Presently, used as retention pond to control flood risk and recreational area.
- Trash removal

CHALLENGES NOWADAYS

- Poor Drainage system
- Solid wastes (blocking, pollution)
- Sedimentation
- Algal boom
- Monitoring facilities for controlling the system
- Insufficient outlet



POSSIBLE SOLUTIONS

- Create suitable drainage system
- Public awareness
- Wastewater treatment system before discharging into the lake
- Need more outlet and more trash remover
- Upgrade water gate control system

Thank You For Your Kind Attention

