Cyanobacterial Problems in an Iconic Lake
Lake Burley Griffin, Canberra

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The Lake
Volume 33Gl depth 2-15m length 11km
Dimensions

- Dam wall height: 33m
- Volume: 33Gl
Urban drainage
Cyanobacterial and phosphorus concentrations Centre Basin

**Total Phosphorus mg/l**

**Cyanobacteria /ml**
Anabaena circinalis-Lake Burley Griffin
Constructed urban wetland
Design sketch for new urban wetland
Ongoing problems and possible amelioration

- Carp, anoxic lower layers, stormwater pollution, leaves from urban deciduous trees, STP
- ?Herpes virus for carp control
- ?Destratification (in use without effect)
- ?Public education, ?new STP, ?more wetlands
- Phosphate stripping? capping sediment? ultrasonification?