Impacts of Water Levels on Upper Yahara River Wetlands

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Lake Mendota in 1900



Close-up of 1900 Map





Cherokee Lake - 1968



The wave action stirs up sediments in shallow water which inhibits plant growth and breaks up shoreline.

"Floating Bog"

as 1 Mar

144/11

Large Bog

Close up of dislodged bog

Tamarack Stump

Peninsula that was lost in 1993

Peat Wetland

Mouth of Six Mile Creek

Six Mile Creek looking upstream

Sandhill Crane Nesting



Buffering floating shorelines with aquatic plants

Establishment of American Lotus

patches

American Lotus plants reduce fetch distances

Bur Reed Spreading

Sediment transport and deposition

Cherokee Lake

"Growing" Shoreline



Summary

 Aquatic plant buffers have the potential to stabilize 'floating bog' shorelines. Aquatic plant communities trap sediment. A decrease in summer water levels would benefit emergent plant growth in the river bed.