Lake Panasoffkee

Restoration and Management

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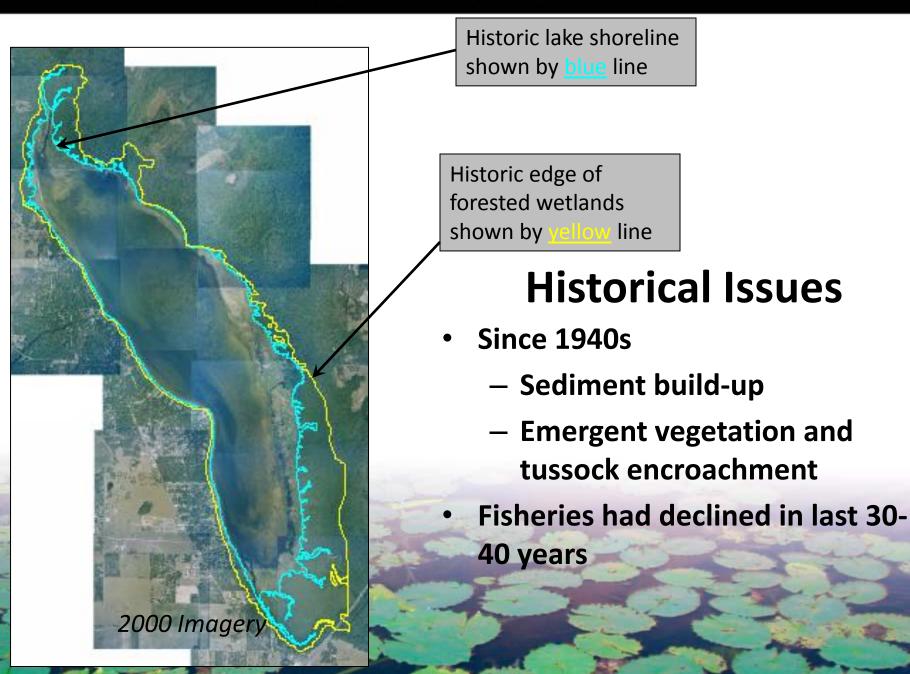
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Lake Panasoffkee

- Outstanding Florida Water
- 3rd largest lake in the region
 - 3,500 acres
- Nationally recognized freshwater fishery

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Lake Panasoffkee Restoration Project

Activities 2004 to 2008
Shoreline Restoration
Sediment Removal



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Achievements

- Increases in:
 - fish spawning areas
 - open water habitat
- Improved lake bottom to support native submerged vegetation
- Enhanced fishery



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Wysong

Lake Panasoffkee

Tsala Apopka Lake System

Legend

- Water Control Structure
- Withlacoochee River

Current Lake Management

- Continued Operation for the Wysong-Coogler Water Conservation Structure
 - Control outflows from Lake Panasoffkee
 - Discharge based on historic discharges and maintaining Good Water Quality
 - Maintaining optimal coverage of desirable submerged
 Vegetation
 - Providing optimal conditions for healthy fisheries

Wysong-Coogler Water Conservation Structure



- 249 feet long
- Inflatable polyester reinforced bags
- Galvanized steel gate panels
- Two operable gates with a lock and airboat slide

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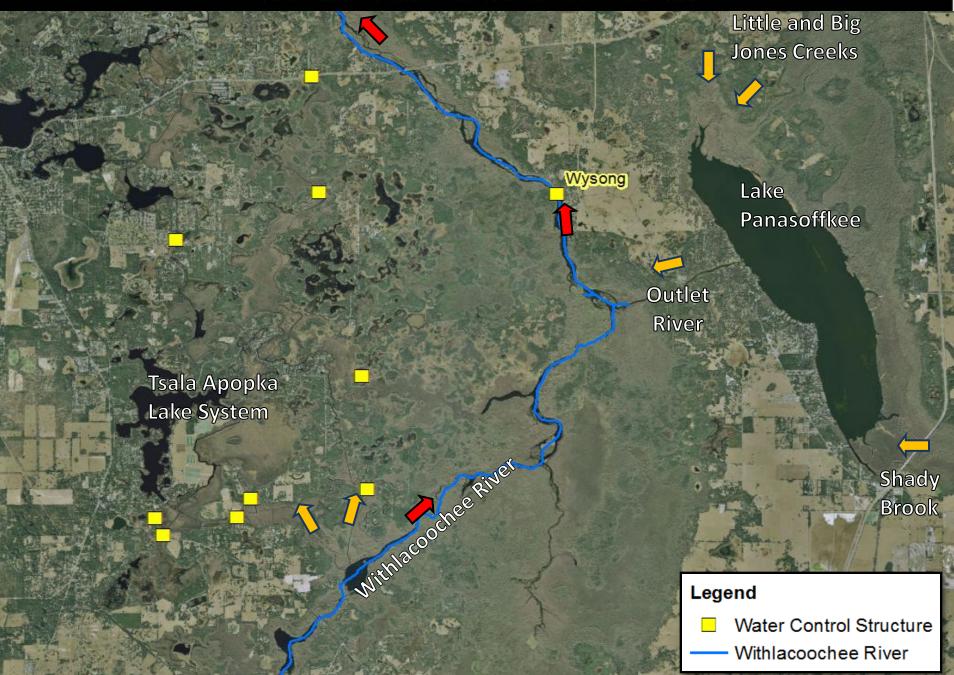
Lock

Independent Gate

Main Gate

Airboat Slide

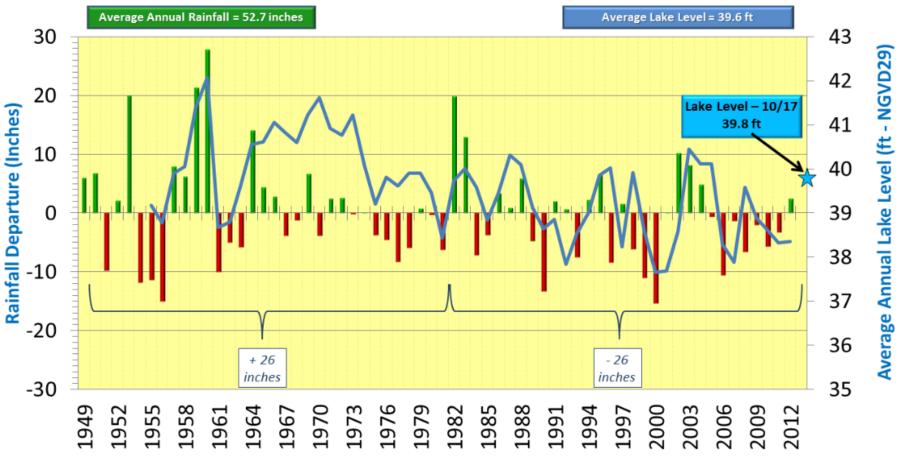
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Comparison of Regional Rainfall¹ to Lake Panasoffkee Lake Levels

1949 - 2013



🖬 Rainfall Departure

Average Annual Lake Level

(¹ NWS rainfall stations in Inverness, Bushnell and Brooksville)

Conclusions

- Successful restoration of Lake Panasoffkee
- Lake management balances water quality and lake levels
- Dynamics of the Withlacoochee River, Lake Panasoffkee and Tsala Apopka are related
 - Current efforts to optimize the system