

Leon County Public Works Department Engineering Services Division

"People Focused. Performance Driven."

Lake Munson Drawdown

Project Details

Consultant

N/A

Progress

•

Cost

-

Project Schedule

Lake Munson Drawdown will occur from

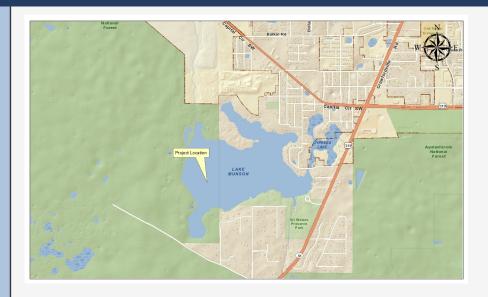
October 18, 2010 through June 14, 2011.

Contact Information

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Project Description

Lake Munson was originally a cypress swamp and impounded for mill operations.

- *Stabilized water levels and luxurious plant growth, especially water hyacinths, began the muck build-up process.
- *Numerous fish kills occurred and active hyacinth spraying dominated work in the 1970's.
- *Hydrilla was introduced in the 1980's creating a topped out, weed-choked lake.
- *Leon County began the Lake Henrietta resurrection, Munson Slough realignment, and Delta removal during a planned complete drawdown in 1999-2000.
- *Upon refill, a strong fishery response resulted in high numbers of largemouth bass being produced.
- *The return of hydrilla, prompted Florida Department of Environmental Protection to implement noxious aquatic plant treatments.
- *The exotic Island apple snail infested the lake and contributed to the massive reduction of submersed aquatic plants.
- *Released nutrients allowed for extremely high densities of blue-green algae to flourish.
- *Muck depth bathymetry and sediment analysis funded by Fish and Wildlife Conservation Commission revealed muck depths up to 8 feet thick.



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	Proposed Improvements
	*Improved water quality.
	*Improved fish spawning substrate.
	*Lake bottom compaction and oxidation.
	*Stimulate healthy aquatic plant growth.
	*Improved esthetics.
	*Cypress tree roots rejuvenation.
	*Relatively inexpensive.
	*Can be repeated as needed.
	*Muck removal is probably no longer an option until water quality from Munson Slough improves substantially.
	*Muck removal is very costly while the Drawdown process is not as expensive
	*The best environmental improvement to the lake was when Leon County implemented an extreme drawdown during the 2000 delta removal.
	*A trophy bass fishery can develop in Lake Munson with bass over 10 pounds common.