

North Horseshoe Lake 10/23/2012

Below, please find the latest lake assessments for your lake. Our next lake inspection is scheduled for, October 23<sup>rd</sup>, 2012 (weather permitting). Key highlights of this update will include:

- Submersed aquatic vegetation (SAV) updates
- Emergent invasive exotic vegetation found in your lake.
- Lake restoration event information.
- Recommendations for you and your lake.

On **September 19<sup>th</sup>, 2012** Seminole County Lake Management Program (SCLMP) Thomas Calhoun (Lake Management Coordinator), Devin Whitney (Water Quality Intern) and the North Horseshoe Lake liaisons surveyed the aquatic plants in North Horseshoe Lake.

The submersed aquatic vegetation (SAV) found included; road grass (*Eleocharis baldwinii*) to a depth of 6 ft and baby's tears (*Micranthemum umbrosum*) to a depth of 1ft. The coverage of SAV in North Horseshoe Lake is very small. SAV plays an important role in aquatic ecosystems by maintaining water quality and providing habitat for wildlife and fish. The FWC recommends at least 30% of SAV coverage for prime game fish habitat.

**Photo: Road grass.**



**Photo: Baby's tears.**



Exotic (not native to the place where found) invasives found during the inspection included; alligator weed (*Alternanthera philoxeroides*), wild taro (*Colocasia esculenta*), torpedo grass (*Panicum repens*) and cuban burhead sedge (*Scirpus cubensis*). The floating plant hyacinth was not found during the inspection. The Seminole County herbicide applicator will continue to target these plants unless otherwise notified.

**Photo: Wild Taro.**



Wild taro  
*Colocasia esculenta*  
Photo by Ann Murray  
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**Photo: Cuban burhead sedge.**



Burhead sedge  
*Oxycaryum cubense* (syn. *Scirpus cubensis*)  
Photo by Ann Murray  
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**Photo: Torpedo grass.**



The first **North Horseshoe Lake Shoreline Restoration Event** is scheduled for **Saturday, July 14<sup>th</sup> 2013 from 9am-1pm**. On this date, the Seminole County Lake Management and SERV Programs will bring in community volunteers **and beautiful FREE aquatic plants** to plant along designated shorelines to help improve the water quality of your lake. We are always looking for volunteer sites, so if you are interested in becoming a designated site, please contact me for further details.

Secchi (water clarity) was not taken due to bad weather. The lake gauge was 37.31 feet above sea level at the time of inspection. This information and much more can be found by visiting <http://www.seminole.wateratlas.usf.edu/>

**Recommendations for your waterbody:**

- 1 Work together with other lakefront owners. Have *at least* one annual lake association meeting, invite guest speakers (such as county or state biologists) and discuss lake specific issues, especially nutrients/lake management recommendations. SCLMP staff would be glad to present our findings from this and other surveys. Continue to increase native aquatic plantings along shoreline (such as pickerelweed, duck potato and canna).
- 2 Increase educational outreach programs i.e. Shoreline Restoration Workshops (planting days), Florida Yards and Neighborhoods (FYN), Lake Management Video mail-outs, and reduction of pointless personal pollution by using low fertilizer use; phosphorous free fertilizers; keeping a functional shoreline with beneficial native aquatic plants; keeping grass clippings out of your storm drains leading to the lake. All these activities aid in protecting your waterbody! Contact Seminole County Lake Management Program (407) 665-2439 for free educational programs available.