

# LAKE VIRGINIA

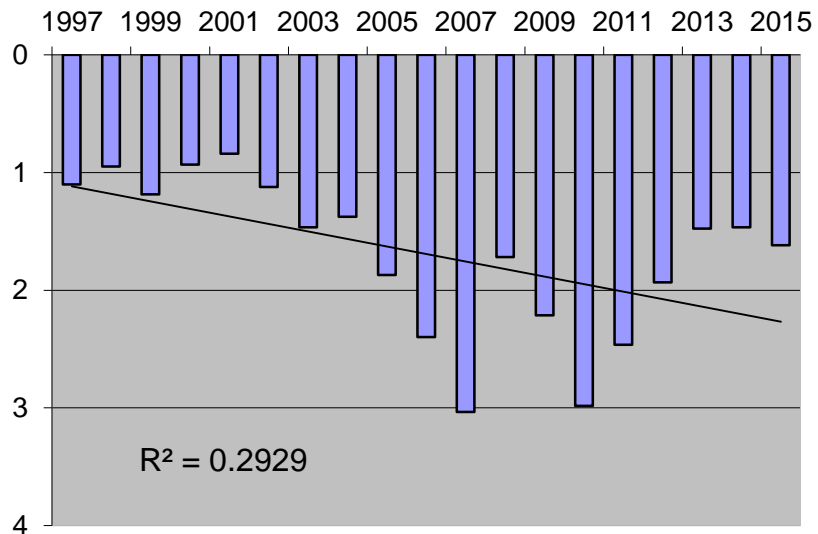
**Lake Virginia water clarity 1997 through 2015 (in meters)**

**Surface Area:**  
224 acres

**Drainage Basin:**  
944 acres

**Average Depth:**  
10.5 feet

**OHW Elevation:**  
66.5 feet NGVD



**General Information:** Part of the Howell Branch Creek system, Lake Virginia receives stream flow from Lake Sue, upstream, and flows to Lake Osceola down stream via the Fern Canal. Rollins College is located on the north shore of Lake Virginia, as is Dinky Dock Park. The Dinky Dock facilities include a “swim at your own risk” beach, a boat ramp, trailer parking and restrooms. Lake Virginia is a popular fishing and water skiing lake.

**Water Quality:** Water Quality in Lake Virginia is influenced by three sources, flow from upstream lakes, stormwater runoff and internal nutrient recycling. Statistical analysis of annual average Secchi disk data from 1997 through 2015 indicates a slight trend of improving water quality.

**Management Efforts:** Stormwater retrofits currently in place on Lake Virginia include an alum station at Rollins College that treats two outfalls from the downtown area, and a large wet detention pond behind the 9<sup>th</sup> Grade Center School on Pennsylvania Avenue. A retention pond at Dinky Dock Park was recently modified to improve treatment, new leaf, sediment and debris traps were added along Lakeview Drive to treat water from the areas at Oxford, French and Antoinette Avenues. A whole lake alum application was performed in early 2007 to deactivate phosphorus in the lake’s sediments, which account for over 30% of the total phosphorus load to the lake. This project was funded in part by a grant from the State of Florida. The alum station at Rollins College was recently overhauled and modernized to improve efficiency.

Additional management efforts on the lake include the treatment of nuisance aquatic plants, maintenance of a system of buoys that demarcate the no wake zone established for shoreline protection and maintenance of the boat ramp and beach at Dinky Dock Park.