

# LAKE ROSE

**Size:**

1.1 acres

**Drainage Basin:**

4.3 acres

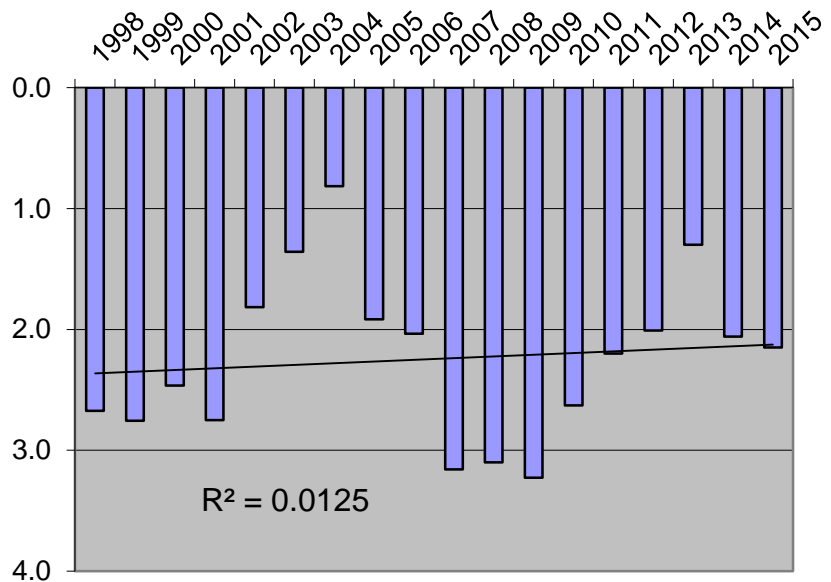
**Average Depth:**

30+ feet (approx.)

**OHW Elevation:**

88.6 feet NGVD

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



**General Information:** Lake Rose is a recent sinkhole pond formed in 1981. The sinkhole destroyed a home, several businesses and part of Denning Drive. The road was repaired, but the remainder of the pond was left to fill with groundwater, and become Winter Park's newest lake. The lake is now located in the southeast corner of Lake Island Park.

**Water Quality:** Lake Rose receives minimal amounts of stormwater runoff, and may be significantly influenced by groundwater sources. Periodically, Lake Rose has experienced a significant reduction in water clarity. This was observed in 2004 and again in 2013. Diagnostic tests were run but a definitive cause of the decline in clarity was not determined before conditions improved. In both cases, the water clarity recovered within 18 months. Because the lake is very deep, there may be unidentified groundwater interactions that are affecting conditions in the lake. Trend analysis for the period of record (1998 through 2015) shows no statistical change in water clarity over that time.

**Management Efforts:** Currently management activities on Lake Rose are limited to aquatic plant management activities, including control of exotic species, and the installation of native shoreline plants.