

# LAKE TEMPLE

**Lake Temple water clarity 1998 through 2015 (in meters)**

**Size:**

3.1 acres

**Drainage Basin:**

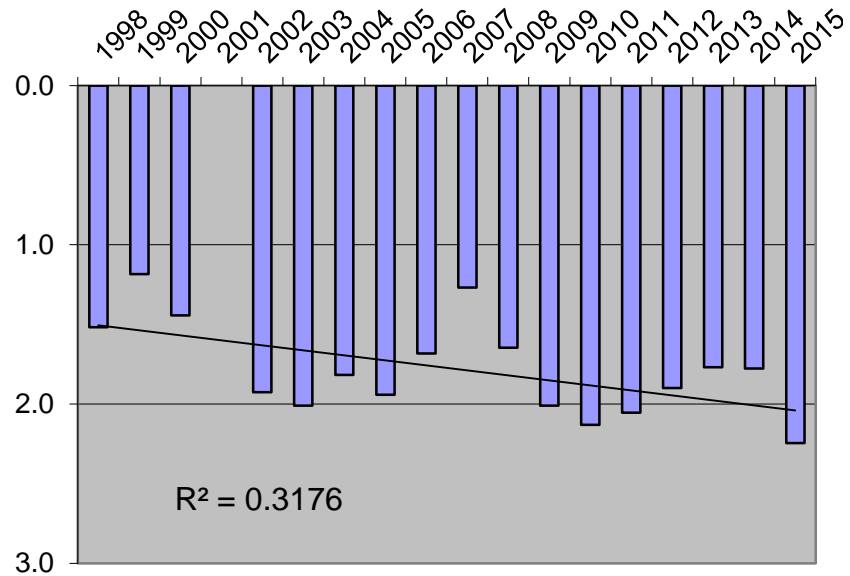
10 acres

**Average Depth:**

6 feet (approx.)

**OHW Elevation:**

Not determined



**General Information:** Lake Temple is a small muck bottom pond near Howell Branch Road. The lake receives water from groundwater seepage, overflow from Lake Tuscany and a single stormwater outfall. Water leaves the lake during high water conditions through a culvert to Howell Branch Creek. Due to the fact that the lake is relatively shallow, and the bottom is gently sloped, small drops in water level result in large areas of lake bottom being exposed.

**Water Quality:** Water quality in Lake Temple is primarily affected by stormwater runoff, but may also be influenced by internal nutrient cycling from the highly organic sediments. Annual average Secchi disk transparency data from 1998 through 2015 show a slight statistical trend toward improving clarity in the lake.

**Management Efforts:** The size of the single outfall to Lake Temple, and the large range of water level fluctuation, make a leaf trap at the end of the pipe impractical. The city is working to design a more effective system for leaf and debris removal. The lake's muck bottom, and the tendency for water levels to fluctuate significantly, results in periodic infestations of floating aquatic plants. These plants generally include floating fern (*Salvinia rotundifolia*) and duckweed (*Lemna minor*), and are treated as needed. An aeration system was installed in 2009 to help reduce the floating plant growth.