

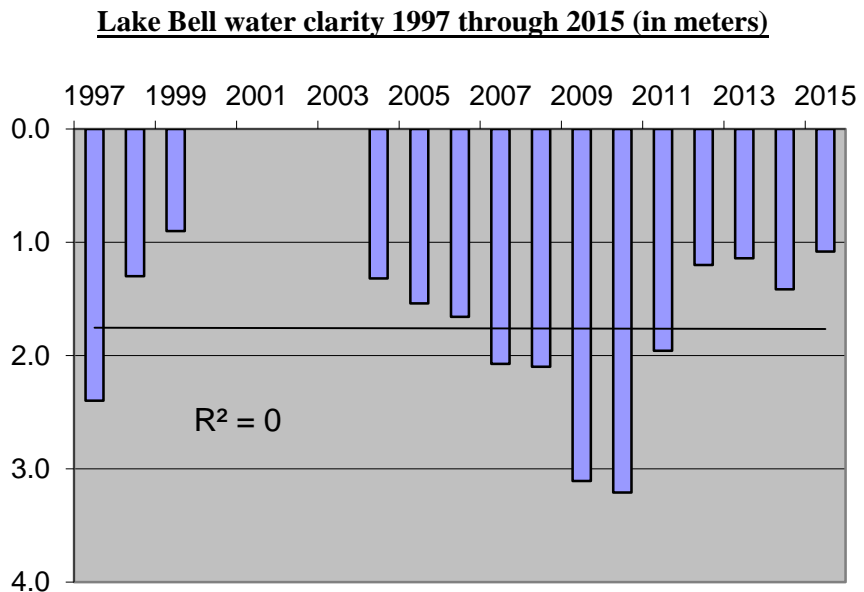
# LAKE BELL

**Size:**  
35 acres

**Drainage Basin:**  
Not Determined

**Average Depth:**  
12 feet (approx.)

**OHW Elevation:**  
89.4 feet NGVD



**General Information:** Lake Bell is a water table lake. The water level is dependent on the elevation of ground water in the area. Ground water elevations are ultimately dependent on rainfall. There are no permanent surface inflows to Lake Bell, however it does receive flow from an adjacent borrow pit during high water conditions. When the water elevation is high, water flows out through a ditch and culvert system, into Lake Killarney to the south. The normal elevation of Lake Killarney is 82.8, nearly six feet below Lake Bell. The lake is shared with the Town of Eatonville with approximately 90% of the surface area lying within Winter Park.

**Water Quality:** Water quality in Lake Bell is primarily affected by stormwater runoff. In the late 90's the lake was experiencing a noticeable decline in water clarity. Since 2004, the clarity of Lake Bell has fluctuated up and down. Trend analysis for the period of record (1997 through 2015) shows no statistically valid change in water clarity over that time.

**Management Efforts:** The City has installed inlet baskets on all of the outfalls to the lake that lie within Winter Park. It is hoped that these new treatment systems will result in continued improvements in water clarity on the lake. Additional treatment systems for ditches that outfall into Lake Bell are budgeted for the 2016/17 fiscal year. Other activities on the lake include exotic plant control. The lake has had problems with hydrilla infestations in the past, periodic control is needed. Recently a small number of triploid grass carp were released into the lake to assist with the control of hydrilla re-growth. Residents around the Lake have formed the Friends of Lake Bell organization to help protect the lake. In addition to providing a voice of advocacy on public issues that could affect the lake, the group also performed a very successful re-vegetation of the lake which has helped to improve water clarity conditions.