

LAKE MAITLAND

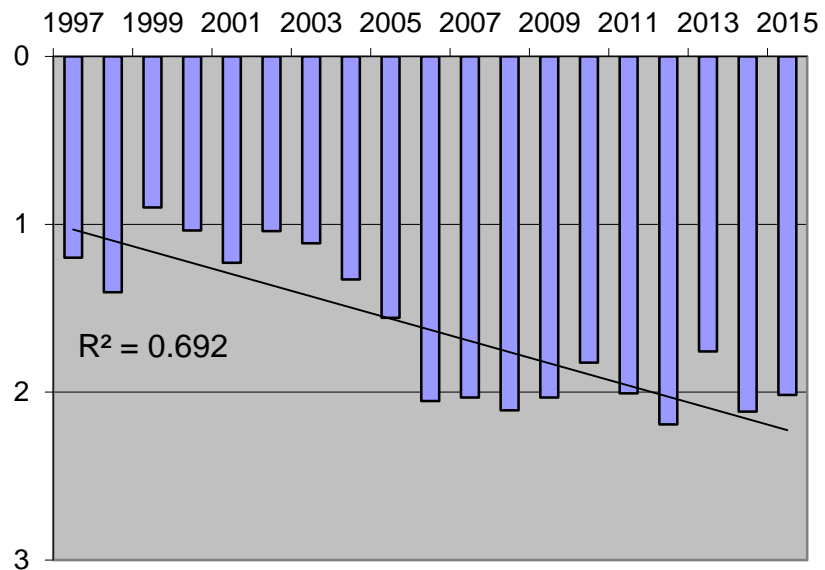
Surface Area:
438 acres

Drainage Basin:
1374 acres

Average Depth:
13.5 feet

OHW Elevation:
66.5 feet NGVD

Lake Maitland water clarity 1997 through 2015 (in meters)



General Information: Part of the Howell Branch Creek system, Lake Maitland is the lower most lake in the Winter Park chain of lakes. Approximately 75 percent of the surface area of Lake Maitland lies within Winter Park. The remainder of the lake is in the City of Maitland. Lake Osceola is the most immediate upstream lake in Winter Park, but the Lake Maitland also receives surface flow from Lake Minnehaha and Park Lake, both of which are in Maitland. Water leaves Lake Maitland via Howell Branch Creek, and flows over a control weir at Howell Branch Road. As with most lakes in this area, Lake Maitland is a water table lake, and its level is dependent on rainfall, surface flow and groundwater levels. Lakes Osceola and Minnehaha are accessible from Lake Maitland by navigable canal.

Water Quality: Water quality in Lake Maitland is strongly affected by two sources, stormwater runoff and flow from the three upstream lakes. Annual average Secchi disk transparency data from 1997 through 2015 show a positive statistical trend toward improving water clarity.

Management Efforts: A coordinated plant management program has been established between the City of Winter Park and the City of Maitland. Under this program the City of Winter park performs plant management activities on the entire lake, and bills Maitland for work performed in their areas of the lake. Major plant control efforts focus on controlling exotic plants such as hydrilla and water hyacinth. Occasional control of native plants like pondweed is required to maintain boating access.

Stormwater retrofits currently in place on Lake Maitland include exfiltration systems at North Park Avenue, Sunnyside Drive and North New York Avenue. There are also CDS structures installed at McKean Circle and Green Cove Road (2 outfalls), Via Lombardi and North Park Avenue. Additional retrofits that are in the current five year plan include treatment systems for the outfalls draining the Dixie Parkway and Summerland Avenue areas.