

LAKE MIZELL

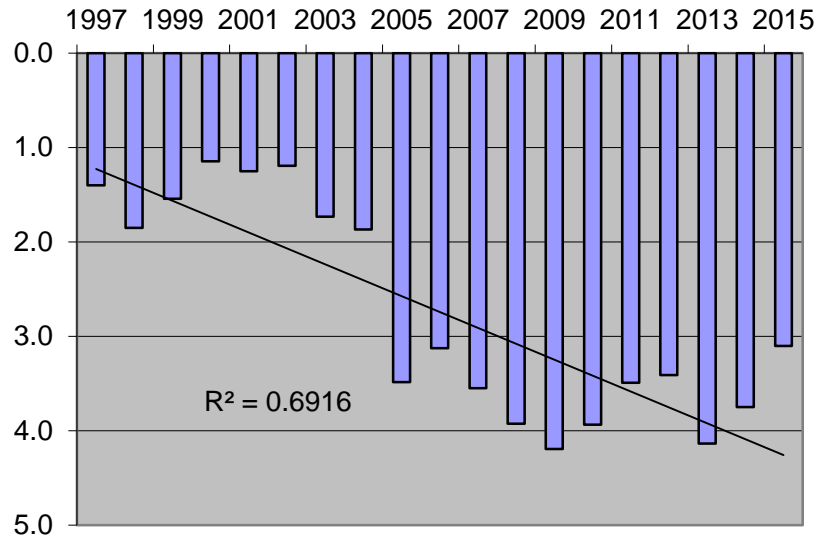
Lake Mizell water clarity 1997 through 2015 (in meters)

Surface Area:
60.5 acres

Drainage Basin:
258 acres

Average Depth:
10.5 feet

OHW Elevation:
66.5 feet NGVD



General Information: Part of the Howell Branch Creek system, Lake Mizell is offline of the main creek system, connected to Lake Virginia by the Genius Canal, a short navigable channel. Water enters Lake Mizell from six stormwater outfalls, groundwater seepage and, under certain low water conditions, through the canal from Lake Virginia. Water leaves Lake Mizell via the canal and flows to Lake Virginia, then to the lower lakes in the chain. As with most lakes in this area, Lake Mizell is a water table lake, and its level is dependent on rainfall, surface flow and groundwater levels.

Water Quality: Water quality in Lake Mizell is primarily affected by stormwater runoff. Annual average Secchi disk transparency data from 1997 through 2015 show a strong statistical trend toward improving water clarity.

Management Efforts: Stormwater retrofits currently in place on Lake Mizell include leaf traps on four of the six outfalls, and an alum station that treats five of the six lines. The City of Winter Park worked with the developer of the Windsong subdivision to provide treatment on the sixth outfall by runoff water through one of their retention ponds. Recently, two baffle boxes were installed on the largest outfalls (from Osceola Ave. and Mizell Ave.) to remove leaves and sediment from the alum treated stormwater.

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