

LAKE SYLVAN

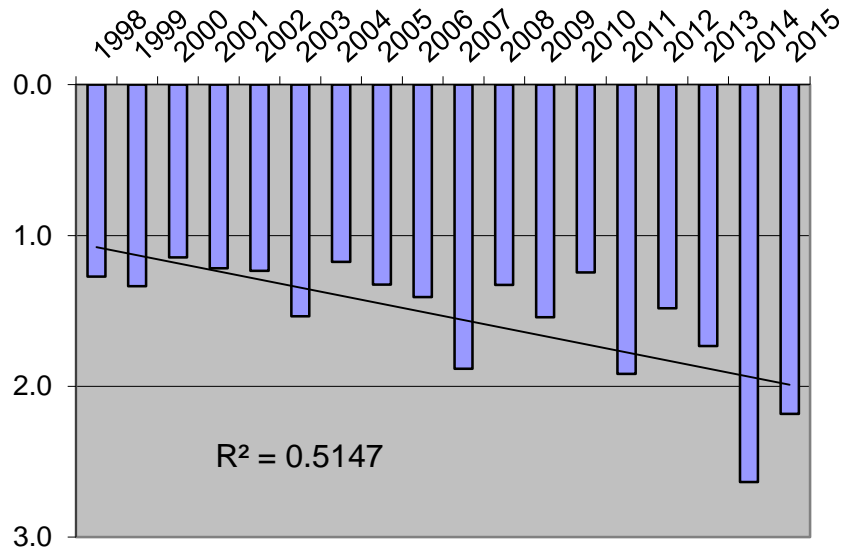
Size:
16.3 acres

Drainage Basin:
87 acres

Average Depth:
15 feet (approx.)

OHW Elevation:
72.0 feet NGVD

Lake Sylvan water clarity 1998 through 2015 (in meters)



General Information: The shape and depth of Lake Sylvan indicate that it was likely formed by a sinkhole. The lake has no permanent inflows, and water levels are dependent on rainfall and groundwater seepage. There are no surface outflows from the lake.

Water Quality: Water quality in Lake Sylvan is influenced by two sources - stormwater runoff and internal loading. Annual average Secchi disk transparency data from 1998 through 2015 show a moderate trend toward improving water clarity.

Management Efforts: An aeration system was installed in Lake Sylvan to help reduce internal phosphorus cycling. That system is currently inoperable and an evaluation is being conducted to determine if an aerator is still needed. The city maintains leaf traps on all six stormwater outfalls that discharge to Lake Sylvan. The effectiveness of these traps varies depending on the size of the outfall pipes and the velocity of the runoff as it reaches the trap/lake. The Five Year Plan contains projects to replace the larger traps with more efficient treatment devices where possible.