

## WATER QUALITY SUMMARY

### TILTON, FAYETTE

MIDAS: 5658, Sample Station # 1

The Maine Department of Environmental Protection (ME-DEP) and the Volunteer Lake Monitoring Program (VLMP) have collaborated in the collection of lake data to evaluate present water quality, track algae blooms, and determine water quality trends. This dataset does not include bacteria, mercury, or nutrients other than phosphorus.

Water quality monitoring datasets for Tilton Pond has been collected since 1997. During this period, 2 years of basic chemical information was collected, in addition to Secchi Disk Transparencies (SDT). In summary, the water quality of Tilton Pond is considered to be average, based on measures of SDT, total phosphorus (TP), and Chlorophyll-a (Chla). The potential for nuisance alga blooms on Tilton Pond is moderate.

Water Quality Measures: Tilton Pond is a colored lake (average color 34 SPU) with an average SDT of 4.5m (14.8ft). The range of water column TP for Tilton Pond is 6-8 parts per billion (ppb) with an average of 7 ppb, while Chla ranges from 2.6 - 4.1 ppb with an average of 3.4 ppb. Recent dissolved oxygen (DO) profiles show high DO depletion in deep areas of the lake. The potential for TP to leave the bottom sediments and become available to algae in the water column (internal loading) is moderate.

See the Maine DEP *Explanation of Lake Water Quality Monitoring Report* for measured variable explanations. Additional lake information can be obtained by contacting Maine DEP at 207-287-3901 or VLMP at 207-783-7733, and at these Websites:

<http://www.lakesofmaine.org> and <http://www.maine.gov/dep/water/lakes/index.html> and <http://www.mainevolunteerlakemonitors.org>.

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