

8/12/2011

## Water Quality Report

Water quality measured opposite beach 7/25/2011.

Water clarity by Secchi disk was 7 ft.

The depth at which dissolved oxygen dropped below 5 ppm, the level of oxygen required for a healthy aquatic environment, was 11 ft.

<b>Depth, ft</b>	<b>Temp, deg F.</b>	<b>O2, ppm</b>	<b>O2, % Saturation</b>
<b>Surface</b>	90.1	7.5	103
<b>15 ft</b>	65.1	0.2	2

Clarity and Oxygen values are typical of this bi-weekly period.

The surface temperature is the highest ever measured on the main lake but it is suspected that the surface temperature commonly exceeds 90 deg. F in July and August and previous measurements were not taken during those days.

pH was not measured due to an instrumentation malfunction.

The oxygen and temperature profile are shown below in two charts. The first chart shows the temperature in deg.C, as measured. The second chart shows temperature in deg. F, a calculated value.



