

## Lake Survey Report

### Beaver Dam Lake

#### Contact Information

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#### Survey Information

Date: **6/24/2015**  
 Time: **7:30:00 AM**  
 Biologist: **Jeffrey Horn**  
 Survey Method: **Airboat**

#### Water Quality

Alkalinity (mg/l) [Range: 20-200 mg/l]	Dissolved Oxygen (ppm) [Desirable range: 6-10 ppm]	Secchi/Clarity (ft) [Higher = Better]	pH (SU) [Range: 6.5-8.5 SU]	Temperature (°F) [Seasonal range: 41-86 °F]
<b>120</b>	<b>10</b>	<b>3</b>	<b>8</b>	<b>76.7</b>

Note: Typical ranges are provided unless otherwise noted. Normal readings may be within, above, or below typical ranges. Fluctuations from normal readings may indicate a need for further analysis.

#### Aquatic Vegetation Species

Eurasian Water Milfoil	<i>Myriophyllum spicatum</i>	Duckweed	<i>Lemna sp.</i>
Waterlilies	<i>Nymphaea spp.</i>	Water Chestnut	<i>Trapa natans</i>
Watermeal	<i>Wolffia columbiana</i>	Sago Pondweed	<i>Potamogeton pectinatus</i>
Coontail			

#### Algae Species

Unicellular Algae

(To view pictures of the plants surveyed, go to [www.alliedbiological.com](http://www.alliedbiological.com) and click on the Plant Identification link at the bottom of the page.)

#### Comments

Unicellular algae building up in water column. All Floating Filamentous Algae was contained along shoreline except for the far end of the north cove. Most FFA is sparse to moderate and growing on the floating dead stems of Eurasian watermilfoil, which is typical after an herbicide treatment. The shoreline FFA has Duckweed and Watermeal mixed in. Previous herbicide treatment resulted in 95% to 100% reduction in milfoil and Curlyleaf Pondweed and 50 % reduction in Sago Pondweed and Coontail.

Algicide application (797 lbs. copper sulfate) applied for unicellular and FFA control. Treatment notices had been posted by Beaver Dam Lake Assn.

#### Plant Density Key



None



Trace



Sparse



Moderate



Dense