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Lake Survey Report

Beaver Dam Lake

Contact Information

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Survey Information

Date: 8/9/2011

Time: 8:55:00 AM

Biologist: Bob Schindler

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]
96	*8*	*3*	*9*	*80*

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 futher analysis.

Aquatic Vegetation Species

Watermeal	*Wolffia columbiana*	Duckweed	*Lemna sp.*
Eurasian Watermilfoil	*Myriophyllum spicatum*	Water Chestnut	*Trapa natans*

Algae Species

Unicellular Algae

Filamentous Algae

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

Comments

Moderate to heavy density unicellular algae was found throughout the lake. Approximately 50% of the narrow, northern area of the lake is covered with watermeal and duckweed. Sparse to moderate density Eurasian water milfoil was growing in most areas that are less than 5 feet deep. Filamentous algae was observed growing on milfoil plants. Note: Control of milfoil would decreaase surface coverage of filamentous algae, duckweed and watermeal by allowing greater circulation.

Copper sulfate (800 lbs) was applied to control unicellular algae.

Plant Density Key

None

Trace

Sparse

Moderate

Dense