

Lake Survey Report

Arrowhead, Lake Club - Lk Arrowhead, Great Bay, Bay of Deep Waters, Rte 46 Pond

Contact Information

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Survey Information

Date: 8/25/2014

Time: 11:00:00 AM

Biologist: Emily Mayer

Survey Method: kayak

Water Quality

Alkalinity (mg/l)
[Range: 20-200 mg/l]

40

Dissolved Oxygen (ppm)
[Desirable range: 6-10 ppm]

7.11

Secchi/Clarity (ft)
[Higher = Better]

8

pH (SU)
[Range: 6.5-8.5 SU]

7.25

Temperature (°F)
[Seasonal range: 41-86 °F]

72

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

Cattail *Typha sp.*

Watershield *Brasenia schreberi*

Naiad *Najas sp.*

Algae Species

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

ARROWHEAD: Sparse floating filamentous algae observed near patch of cattails by clubhouse and along beach shoreline. . Dense to moderate benthic filamentous algae and trace patches of Watershield scattered throughout. Dense naiad along beach. **GREAT BAY:** Unicellular algae in water column. Floating filamentous algae within the coves in clumps. Benthic filamentous algae observed in clumps at the surface throughout and clinging to pondweeds. Water level is very low. Watermeal and other flowering pondweeds observed at surface. Fish were up to the surface due to low dissolved oxygen recorded (surface 3.55, 2'-3.29, 3'-0.37). Moderate amount of Curlyleaf Pondweed and Small Pondweed observed. Water monitoring sample collected. **BAY OF DEEP WATER:** Unicellular algae observed in water column. Island has a sparse amount of Purple Loosestrife growth. Clumps of benthic filamentous algae scattered throughout. Water level is extremely low. Dense amount of leaves and debris observed along bottom. **ROUTE 46 POND:** Survey not conducted. Surveys only.

Plant Density Key



None



Trace



Sparse



Moderate



Dense