

## Lake Survey Report

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

### Contact Information

Contact: Gene Feyl

Telephone: 908-879-6737

Fax:

E-mail: [drjgfeyl@yahoo.com](mailto:drjgfeyl@yahoo.com); [michaelbertram@verizon.net](mailto:michaelbertram@verizon.net); [majanal@optonline.net](mailto:majanal@optonline.net)

### Survey Information

Date: 9/2/2014

Time: 8:45:00 AM

Biologist: Sandra LaVigne

Survey Method: boat/shore

### Water Quality

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

40

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

8.34

Secchi/Clarity (ft)  
[Higher = Better]

10

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

7.5

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

78

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

Brittle Naiad *Najas minor*  
White Waterlily *Nymphaea sp.*

Leafy Pondweed  
Watershield *Brasenia schreberi*

### Algae Species

Filamentous 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

ARROWHEAD LAKE: Moderate patches of floating filamentous algae mixed with sparse to moderate Brittle Naiad around shoreline. Heaviest concentration in north end of lake. BAY OF DEEP WATER: Visible algae bloom in water column. Dense mats of benthic filamentous algae floating to surface in 10% of lake. GREAT BAY: Moderate patches of filamentous algae in columns rising up from bottom of basin and reaching the surface in some areas. Approximately 30% surface coverage. Trace amount of Leafy Pondweed observed. Water turbid. ROUTE 46 POND: Water turbid, but pond surface is clean.

Survey only. Treatment of Lake Arrowhead on schedule for tomorrow 9/3.

### Plant Density Key



None



Trace



Sparse



Moderate



Dense