



**BIOLOGIST:**  
COLIN GOSSELIN  
C: (508) 259-3153  
COLIN@WATERANDWETLAND.COM  
  
CALL/TEXT WITH ANY QUESTIONS!



## FIELD NOTES SUMMARY

**Customer:** Town of Mendon (Lake Nipmuc)

**Site Location:** Mendon, Massachusetts

**Date:** 6/8/21, 3:00 PM

**Observations / Notes:** On June 8th, Co-Owner/Aquatic Biologist, Colin Gosselin, and Environmental Scientist, James Lacasse, visited Lake Nipmuc to perform a treatment of variable milfoil (invasive), bushy pondweed, and algae. A pre-treatment survey was conducted on May 28th to document the areas containing the target species, confirm treatment areas, and to confirm treatment timing.

The treatment using contact herbicide diquat and Captain XTR algicide was conducted using a jon boat equipped with a calibrated sub-surface injection system. Also noted during the treatment was floating waterlilies throughout the Pond (native). A post-treatment survey is planned for August/September to assess conditions, document the results of the treatment and to assist with 2022 planning. Conditions during the treatment were hot with a light rain. Water clarity was great throughout the Pond with the exception of the cove by Nipmuc Marine.

Prior to the treatment, neon green posters noting water use restrictions and Water & Wetland's contact information were hung around the shoreline. Also prior to treatment, surface temperature and dissolved oxygen readings were collected using a calibrated YSI meter. The water temperature was consistent with what we've been seeing at other area lakes following the recent consecutive stretch of hot weather. Dissolved oxygen was sufficient to support fish and wildlife. It is important to note that a small fish kill was reporting to us by ESS Group days prior to the treatment. While we can only speculate, we assume this is related to spawning stress.

We will keep you posted on the date for the post-treatment survey. Please let us know if you have any questions.

Pond	Surface Temp (°C)	Surface DO (mg/L)
Lake Nipmuc	28.4	12.02

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**Water & Wetland, LLC**

Upton, MA

(888) 4WETLAN(D)

[www.waterandwetland.com](http://www.waterandwetland.com)

**Photos**

