



BIOLOGIST:
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CALL/TEXT WITH ANY QUESTIONS!



FIELD NOTES SUMMARY

Customer: Town of Mendon (Lake Nipmuc)

Site Location: Mendon, MA

Date: 6/10/22, 12:20 PM

Observations / Notes: On June 10th, Co-Owner/ Senior Aquatic Biologist, Colin Gosselin, and Field Assistant, Grace Adams, completed a site visit to Lake Nipmuc. The visit consisted of performing a survey, collecting basic water quality data, and conducting a treatment. Conditions during the visit were warm and slightly breezy.

Upon arrival, a survey was conducted using visual observation. The eastern portion of the pond had trace densities of milfoil, while the coves had moderate to dense densities of milfoil. Native species observed were cattails, waterlilies, watershield, and ribbon leaf pondweed in trace to dense densities.

While on-site, basic water quality was collected using calibrated meters. The water temperature was consistent with other similar waterbodies we manage in the area, and the dissolved oxygen was sufficient to support fish and wildlife. Water clarity was also assessed using a Secchi disk. A Secchi disk is a disk with alternating black and white quadrants. It is lowered into the water of a lake until it can no longer be seen by the observer. This depth of disappearance, called the Secchi depth, is a measure of the transparency of the water. The Secchi reading, in one of the deeper portions of the pond was 20 ft 10 in, which is indicative of excellent water clarity.

As planned, and based on the survey, a treatment was conducted for the control of milfoil. The liquid herbicide, diquat, was applied using a treatment boat equipped with a calibrated sub-surface injection system. This application methodology allows for even coverage within the treatment areas. Prior to treatment, signs noting the treatment and affiliated water use restrictions were posted by Mendon Parks & Recreation Department.

Please let us know if you have any questions at all.

Pond	Surface Temp (°C)	Surface DO (mg/L)
Lake Nipmuc	23.7	7.2

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Photos

