



BIOLOGIST:
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Call/Text with any questions!

FIELD NOTES SUMMARY

Customer: Town of Winchester Recreation Department (Wedge Pond)

Site Location: Winchester, MA

Date: 6/7/23, 1:21 PM

Observations / Notes: On June 7th, Aquatic Biologist, Scott Conrade, and Aquatic Field Assistant, Brian Sweeney, completed a site visit to Wedge Pond. The visit consisted of performing a survey, collecting basic water quality data, and conducting a treatment. Conditions during the visit were overcast with a slight breeze and 65 degrees.

Upon arrival, a survey was conducted using visual observation paired with a standard throw-rake and handheld GPS/ArcGIS Field Maps, as applicable. During this visit very few aquatic plants were observed. Thin-leaf pondweed and various waterlily species were the most dominant species in the pond at this time. Algae was also noted throughout the waterbody with the area near the beach having the most algae. Both filamentous and microscopic algae were noted.

While on-site, basic water quality was collected using calibrated meters. The pH was 7.6, which is within a standard range for freshwaters and is considered neutral. 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 was 3 ft 9in. This is below average for Wedge Pond during our time managing the Pond. We have seen Secchi depths get down to just above 1' and as high as nearly 7', with the average being around 4'-4'6". The reading several weeks ago during our pre-treatment survey was 4'2" so it was slightly lower this visit; likely due to the presence of microscopic algae.

As planned, and based on the survey, a treatment was conducted for the control of algae. The liquid algaecide 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. The treatment was completed without issue. Prior to the treatment, both Parks & Rec, and Conservation were notified. Neon pink posters were hung around the shoreline noting the treatment, affiliated water use restrictions, and Water & Wetland contact information.

Water & Wetland, LLC

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We will notify you prior to the next scheduled visit. Please let us know if you have any questions at all.

Pond	Surface Temp (°C)	Surface DO (mg/L)
Wedge Pond	19.5	7.90

Photos

