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CALL/TEXT WITH ANY QUESTIONS!



## FIELD NOTES SUMMARY

**Customer:** Winchester Recreation Dept. (Wedge Pond)

**Site Location:** Winchester, MA

**Date:** 7/28/22, 10:15 AM

**Observations / Notes:** On July 28th, Senior Environmental Scientist, James Lacasse, and Field Assistant, Grace Adams, 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 warm and sunny.

Upon arrival, a survey was conducted using visual observation. There was a moderate microscopic bloom, which was treated today. The waterlilies have significantly expanded in distribution, especially around the shorelines. In addition, there was sparse elodea and coontail, which are both native species, and are not near nuisance levels.

While on-site, basic water quality was collected using calibrated meters. The pH was 6.9, 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 3'8," which is indicative of slightly below average water clarity.

As planned, and based on the survey, a treatment was conducted for the control of microscopic algae. The liquid algaecide, EarthTec, was applied using a treatment boat equipped with a calibrated sub-surface injection system, which allows for even coverage within the treatment areas. EarthTec's copper sulfate formulation allows the product to stay in solution for a longer period of time than traditional copper sulfate.

Prior to treatment, the Winchester Conservation Commission was notified, and neon signs noting the treatment and any water affiliated restrictions were posted around the shoreline.

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We will notify you prior to the next scheduled visit, which will consist of another algae treatment in late August. Please let us know if you have any questions at all.

Pond	Surface Temp (°C)	Surface DO (mg/L)
Wedge Pond	28	6.57

### Photos

