



ENVIRONMENTAL SCIENTIST:
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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: 6/23/22, 9:45 AM

Observations / Notes: On June 23rd, Senior Environmental Scientist, James Lacasse, completed a site visit to Wedge Pond. The visit consisted of performing a brief survey, collecting basic water quality data, and conducting a treatment. Conditions during the visit were sunny and calm.

Upon arrival, a survey was conducted using visual observation paired with a standard throw-rake and handheld GPS/ArcGIS Field Maps, as applicable. The first noticeable observation while arriving on site was the “greenish tint” of the water color at Wedge Pond, which is due to a microscopic algae bloom. This was specifically documented building up on the surface around the shoreline, especially in the wind-blown coves. The bloom also caused the water clarity to significantly decrease, as the water clarity was noted as much below average. Waterlilies were scattered around the Pond in sparse to dense densities. Elodea, coontail, and thin-leaf pondweed were other native species noted as trace to sparse densities. Curly-leaf pondweed and Eurasian milfoil were two invasive species that were noted throughout the survey. These species were documented in trace densities. The curly-leaf pondweed in particular will be dying off naturally soon, as it is a colder water species.

While on-site, basic water quality was collected using calibrated meters. The pH was 7.2, 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 1’10”, which illustrates the poor 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. This application methodology allows for even coverage within the treatment areas. Posters stating the restrictions associated with the treatment (no restrictions) were posted around the Pond prior to the treatment.

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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	23.7	6.38

Photos

