



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: 9/21/22, 11:05 AM

Observations / Notes: On September 21st, Senior Environmental Scientist, James Lacasse, completed a site visit to Wedge Pond. The visit consisted of performing a survey and collecting basic water quality data. Conditions during the visit were cloudy with a slight breeze.

Upon arrival, a survey was conducted using visual observation paired with a standard throw-rake and handheld GPS/ArcGIS Field Maps, as applicable. The purpose of the visit was to document the conditions of Wedge Pond and to determine if further algae treatment is recommended this season. The Pond's conditions continues to improve with each site visit conducted this season. Native species documented included coontail, waterlilies, and Elodea. Coontail and waterlilies were the most dominant species noted. No invasive vegetation was documented during the visit. Trace densities of benthic algae were documented. There were no visual signs of a microscopic algae bloom as the previous proactive treatments performed during the 2022 season have proven effective. The water level is below average (due to lack of seasonal rain).

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 was 5 feet, which illustrates average water clarity.

Based on the survey, no treatment is recommended at this time. This marks the final scheduled visit to Wedge Pond of the 2022 season, however we welcome any questions or concerns that may come up during the remainder of the year. We are under contract for the remainder of FY2023, which includes an inspection in May of 2023 and an EarthTec algaecide treatment in June of 2023.

Water & Wetland, LLC

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| Pond | Surface Temp (°C) | Surface DO (mg/L) |
|------------|-------------------|-------------------|
| Wedge Pond | 20.3 | 7.1 |

Photos

