

**2023 Annual Summary Report**  
**Aquatic Management Program**  
**Jarvis Farm Pond**  
**Walpole, MA**

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SÖLitude Lake Management was contracted by the Town of Walpole Recreation Department to implement an aquatic management program to control nuisance algae growth at Jarvis Farm Pond. This season's program consisted of bimonthly visits from May through September 2023, allowing us to be proactive if a treatment was necessary.

All management activities were consistent with the Order of Conditions, and the License to Apply Chemicals issued by the MA DEP – Office of Watershed Management (#WM04-0000805). An outline of the 2023 program along with our recommendations for ongoing management follows.

**2023 Management Program Summary**

Program Task	Date Completed
Plant / Algae Survey	April 5 <sup>th</sup>
Plant / Algae Survey	April 19 <sup>th</sup>
Plant / Algae Survey	May 3 <sup>rd</sup>
Plant / Algae Survey	May 17 <sup>th</sup>
Plant / Algae Survey	June 7 <sup>th</sup>
Plant / Algae Survey	June 22 <sup>nd</sup>
Plant / Algae Survey	July 5 <sup>th</sup>
Plant / Algae Survey	July 19 <sup>th</sup>



Program Task (continued)	Date Completed
Plant / Algae Survey	August 2 <sup>nd</sup>
Plant / Algae Survey	August 16 <sup>th</sup>
Plant / Algae Survey	September 6 <sup>th</sup>
Plant / Algae Survey	September 20 <sup>th</sup>

## PRE-TREATMENT SURVEY

In the beginning of April, SOLitude began making bimonthly visits to Jarvis Farm Pond. During these visits, vegetation distribution and algae growth was surveyed as well as other factors regarding the pond's health. The frequent surveys allowed for us to have a baseline in which to evaluate the efficacy of the treatments, time treatments, gauge non-target impacts, if any, and assess future management needs and/or necessary program modifications. The surveys were conducted by traveling throughout the pond with a small jon boat recording visual observations, and taking vegetation samples using a throw rake to confirm visual observations. The inspections showed that Jarvis Farm Pond had limited rooted aquatic vegetation, as well as little to no algae growth was noted.

## ALGAECIDE TREATMENT PROGRAM SUMMARY

SOLitude Lake Management conducted a series of eleven inspections for algae in total during the 2023 season. General monitoring surveys were completed at each site visit to determine if a treatment was needed. The treatments were determined to be unnecessary when visits were conducted this year as there were little indications of harmful or abundant algae levels throughout the pond in the 2023 season. All inspections were conducted and performed by MA Licensed applicator of Solitude Lake Management.

## 2024 MANAGEMENT RECOMMENDATIONS

We look to retain a bi-weekly schedule with general monitoring and algaecide treatments when required. Water quality testing should be implemented to help monitor the pond's overall health, and determine if further nutrient remediation is necessary. Although great success was achieved in 2023, we feel that our additional recommendations will help to continue to enhance the pond's aesthetic, ecological and recreational value. We truly appreciate your business over the years and look forward to working with you again in 2024. Please feel free to call the office with any questions or concerns.