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CALL/TEXT WITH ANY QUESTIONS!



## FIELD NOTES SUMMARY

**Customer:** City of Lynn (Goldfish Pond)

**Site Location:** Lynn, Massachusetts

**Date:** 9/7/22, 8:05 AM

**Observations / Notes:** On September 7th, Senior Environmental Scientist, James Lacasse, completed a site visit to Goldfish Pond. The visit consisted of performing a survey, collecting basic water quality data, applying bacteria packets, collecting an algae sample, 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, as applicable. There was a dense microscopic algae bloom documented throughout the Pond, both visible within the water column and observed on the surface. The Pond is green in color as a result. An algae sample was collected and transported to the lab for further analysis. The aeration system were working per normal. One of the fountains was shut off, the other two fountains were working great. An estimated 50+ waterfowl were noted on the island of the Pond, as well as an excessive amount of waterfowl feces located on the walkway around the Pond. No vegetation was documented.

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 inches, which illustrated poor water clarity.

As planned, a treatment was conducted for the control of microscopic algae. The liquid algaecide was applied using a calibrated backpack sprayer from the perimeter of the Pond. This application methodology allows for even coverage within the treatment areas. There are no restrictions associated with this treatment. Half of the Pond was treated per label. Bacteria packets were also applied to the Pond, which helps increase the breakdown of muck and organic debris. We have treated Goldfish Pond every visit during the 2022 season to try to maintain conditions against the persistent algae. We are aware that there is an event at the Pond this upcoming weekend and are happy we were able to come out to treat several days before.

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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)
Goldfish Pond	19.6	5.8

**Photos**

