WATER & WETLAND
LAKE, POND & WETLAND MANAGEMENT

ENVIRONMENTAL SCIENTIST:
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CALL/TEXT WITH ANY QUESTIONS!

FIELD NOTES SUMMARY

Customer: City of Lynn (Goldfish Pond)
Site Location: Lynn, Massachusetts
Date: 8/22/22, 10:05 AM

Observations / Notes: On August 22nd, Senior Environmental Scientist, James Lacasse, completed a site visit to Goldfish Pond. The visit consisted of performing a survey, collecting basic water quality data/water samples, and conducting a treatment. Conditions during the visit were cloudy and calm.

Upon arrival, a survey was conducted using visual observation paired with a standard throw-rake, as applicable. There was a dense microscopic algae bloom occurring throughout the Pond. This was visible throughout the water column and on the surface. The algae bloom coincides with the green color of the Pond. Numerous waterfowl were observed within the Pond and on the island. There was a large amount of geese/duck feces noted on the walk way around the Pond. All fountains and aeration were inspected and were functioning well.

The water temperature was consistent with other similar waterbodies we manage in the area, and the dissolved oxygen was slightly lower than average but 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 6 inches, which illustrates poor water clarity. Additional water samples were collected and transported to the lab for analysis of parameters such as E. Coli enumeration, total phosphorus, dissolved phosphorus, and algae ID/enumeration

Based on the survey, a treatment was conducted for the control of microscopic algae. Liquid algaecide was applied using a calibrated backpack sprayer. This application methodology allows for even coverage within the treatment areas. Bacteria packets were also applied to help increase the breakdown of muck/organic matter on the bottom of the Pond, and to assist with the control of nutrients fueling algae blooms. There are no restrictions associated with this treatment.

We will notify you prior to the next scheduled visit. Please let us know if you have any questions at all.

Pond	Surface Temp (℃)	Surface DO (mg/L)
Goldfish Pond	22.3	5.72

Photos






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