



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: 6/22/22, 11:10 AM

Observations / Notes: On June 22nd, Senior Environmental Scientist, James Lacasse, and Field Assistant Grace Adams, completed a site visit to Goldfish Pond. The visit consisted of performing a survey, collecting basic water quality data in addition to an algae sample, and conducting a treatment. Conditions during the visit were partly 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 Pond appeared to have a “green” coloring, which indicated that there was a microscopic algae bloom occurring. The water level was noted as slightly below average. White “suds” or a “foam-like” substance was circulating around each aerator diffuser. The aeration system was running as normal while the fountains were not running. Microscopic algae was observed building up on the surface on the northern point.

While on-site, basic water quality was collected using calibrated meters. The pH was 7.1, 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 1’9”, 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 via a calibrated backpack sprayer. This application methodology allows for even coverage within the treatment areas. An algae sample was also collected while on-site, this was properly preserved and submitted to the lab for analysis.

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

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Pond	Surface Temp (°C)	Surface DO (mg/L)
Goldfish Pond	21.3	6.28

Photos

