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## FIELD NOTES SUMMARY

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

**Site Location:** Lynn, Massachusetts

**Date:** 5/10/22, 8:25 AM

**Observations / Notes:** On May 10th, Senior Environmental Scientist, James Lacasse, completed the first of the two May visits to Goldfish Pond. The visit consisted of completing a survey, collecting basic water quality data, performing a treatment, and applying beneficial bacteria to the Pond. Conditions during the visit were sunny with a slight breeze.

Upon arrival to Goldfish Pond, a survey was conducted using visual observation paired with a standard throw-rake, as needed. The Pond appeared “green” in color but has improved in clarity and color conditions since the previous visit (following the treatment performed during the previous visit). The water level has decreased steadily since the previous visit as well, which was apparent by looking at the sides of the Pond and observing the rock structure in the middle of the Pond, which was now very visible. The submersed aeration system was inspected and was functioning as intended. Upon talking to Howie, the fountains remain off as the fountain spray has been bothering people with the recent excessively windy conditions.

Basic water quality parameters were assessed on-site using calibrated meters (photo 3) and a Secchi disk (photo 5). The Secchi disk reading (which is a measure of water clarity) was roughly 1’6”, which was to the bottom around majority of the outer edge of the Pond. The pH resulted in 6.9, which is average for waterbodies in the northeast and is considered neutral. The dissolved oxygen was by no means excellent, but was sufficient to support fish and wildlife and was high enough to allow for treatment.

Based on the observed conditions, a treatment was conducted targeting microscopic algae (photo 4). EarthTec liquid copper sulfate formulation was applied to the Pond per label rates. The water temperature of the Pond has increased since the April visits, allowing for beneficial bacteria (photo 6) to be applied to the pond to help consume nutrients and muck/organic matter. These products help benefit water quality. There are no restrictions affiliated with either treatment.

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Pond	Surface Temp (°C)	Surface DO (mg/L)
Goldfish Pond	16.2	6.1

**Photos**

