



BIOLOGIST:
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 CALL/TEXT WITH ANY QUESTIONS!



FIELD NOTES SUMMARY

Customer: Town of Walpole (Clark's Pond)

Site Location: Walpole, Massachusetts

Date: 5/20/21, 1:00 PM

Observations / Notes: On May 20th, Co-Owner and Aquatic Biologist, Colin Gosselin, and Environmental Scientist, James Lacasse, conducted a monitoring visit to Clark's Pond. Based on conditions observed during the prior visit, we had a treatment planned to control the invasive aquatic plants. Observed was predominantly variable watermilfoil (invasive) with moderate densities of curly-leaf pondweed (invasive) mixed in with the milfoil. Also noted was various densities of filamentous algae, waterlilies and water chestnut. The water chestnut is still at hand-pulling levels and would not require treatment if hand pulled. Invasive phragmites were also documented near the outlet (Photo 3), these are typically treated later in the season (September) to allow for systemic activity of the herbicide down into the rhizomes of the plants. The late May treatment window is ideal to target both submerged invasive species as curly-leaf is typically observed in the early-Spring and milfoil begins to grow in late-April/May. The treatment was conducted in order to control the growth of invasive pondweeds and algae, and was applied using a sub-surface calibrated injection system (Photo 2). There is a five day irrigation restriction associated with this treatment. Prior to treatment, the shoreline was posted with brightly colored neon posters noting the affiliated water-use restrictions (Photo 1). Conditions were calm and sunny.

While on-site surface temperature and dissolved oxygen readings were collected using a calibrated YSI meter. The surface temperature was consistent with what we'd expect to see at a shallow New England pond during this time of year. The dissolved oxygen was at a healthy level and sufficient to support fish and wildlife.

We will keep you posted on our next scheduled site visit, which is tentatively slated for June 1st.

Pond	Surface Temp (°C)	Surface DO (mg/L)
Clark's Pond	23.7	9.12

Photos

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