WATER & WETLAND
LAKE, POND & WETLAND MANAGEMENT

ENVIRONMENTAL SCIENTIST:
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CALL/TEXT WITH ANY QUESTIONS!

FIELD NOTES SUMMARY

Customer: Friends of Leverett Pond (Leverett Pond)
Site Location: Leverett, Massachusetts
Date: 8/16/22, 8:20 AM

Observations / Notes: On August 16th, Senior Environmental Scientist, James Lacasse, completed a site visit to Leverett Pond. The visit consisted of performing a survey in addition to collecting basic water quality data. Conditions during the visit were partly cloudy with a breeze.

Upon arrival, a survey was conducted using visual observation paired with a standard throw-rake and handheld GPS/ArcGIS Field Maps, as applicable. Overall the treatment areas looked great as great control of variable milfoil was achieved. There was milfoil found outside of treatment areas as well, specifically by the dam and by the channel in the southeastern portion of the Pond. There was one small area of variable milfoil observed within a treatment area - this area contained roughly four individual milfoil stalks (see photo). There appeared to be minimal reduction observed in waterlily and watershield populations within the treatment areas. Other species noted during the post-treatment survey included watermeal, duckweed, ribbon-leaf pondweed, Elodea, large-leaf pondweed, bladderwort, curly-leaf pondweed (invasive), cattails, and purple loosestrife (invasive). Epiphytic algae was documented on portions of the submersed vegetation species listed above, signifying that the plant is dying/decaying. Several floating islands were observed during the survey.

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 4’8”, which illustrated average water clarity.

Please let us know if you have any questions at all.

Pond	**Surface Temp (℃)**	**Surface DO (mg/L)**
Leverett Pond	26.1	6.82

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Photos

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