

As part of our continuing effort to preserve and protect the health of Tyler Lake, the TLPA has completed several projects since July of last year. All projects below were recommended by our lake management experts, Northeast Aquatic Research, LLC and approved by the Tyler Lake Water Quality Committee.

Tyler Lake Water Quality Committee Project summary 2023 - 2024

Removal of floating bogs:

The purpose of this project was to remove a substantial portion of the 'floating bogs' at the Northeastern end of the lake. Our objective was to reduce the safety hazard for recreational activities on the lake as well as to prevent the floating bogs from becoming permanent fixed islands. A significant amount of material was removed from the bogs and taken out of the lake.

This work was performed from September 27th thru October 7th by New England Aquatic Services.

Suctioning of biomass in the SW cove:

The purpose of the project is to help reduce a significant source of nutrients and other pollutants in the lake. This project started September 18 and finished on October 27th. The process consisted of technicians using suction hoses to pump biomass/sludge from the lake bottom into 2 large drying tubes that are designed to allow water to drain while containing the solid material. The drying tubes were placed at 13 Breguet Road. Once the material was determined to be sufficiently dried, the tubes were cut open and the material was removed and transported to local sites to be used as fertilizer and/or fill. It is estimated that over 330 cubic yards of biomass was removed from the lake.

Both projects were successful in accomplishing the TLPA goals. The bogs have been reduced and are presently substantially below the waterline, and in the SW cove a significant source of nutrients and other pollutants has been removed from the lake.

Lake weed management: Our goal in the 2024 Tyler Lake weed management program was to control Eurasian milfoil and regulate the growth of nuisance pond weeds throughout the littoral zone of the lake. Our proposed weed treatment regime included 4 applications of a broad-spectrum granular herbicide, Sonar Q. Because two State of CT protected plants are present in the northern area of Tyler Lake, the state regulatory agencies (DEEP and NDDB) established and approved an alternate herbicide treatment regime than what was originally proposed. A program consisting of two low-dose (5ppb) Sonar (fluoridone) treatments within a limited treatment area was approved. The treatment area, designated as the perimeter of the lake, specifically excluded any treatment to the northern perimeter adjacent to the marsh as this is where state protected species have been documented in past surveys. Following the recommendation of our lake management experts and State of CT aquatic biologists we agreed to go ahead with the alternate treatment regime described above. The first treatment was applied by The Pond and Lake Connection, LLC on April 27th and the

second on May 30th. The Water Quality Committee along with NEAR will evaluate the results throughout the 2024 season.

Catch Basin Filters. The Water Quality Committee intends to investigate the costs and benefits of Catch Basin Filters. designed to remove pollutants from storm water runoff before it reaches the lake. If we agree that filters are a worthwhile endeavor, we will include the Goshen selectman and the other Goshen lakes into the process of moving forward.

I hope you find these updates helpful. If you have any questions or concerns, please don't hesitate to contact the TLPA via the TylerLakeCT.org

On behalf of the TLPA and the Tyler Lake Water Quality committee I'd like to express our sincere appreciation for your support.

Pat Flynn, Chairperson of the Water Quality Committee