

Coventry Lake

Hydrilla Management Update

By

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September 29, 2016

NORTHEAST AQUATIC RESEARCH



SOLITUDE
LAKE MANAGEMENT

Restoring Balance. Enhancing Beauty.

Project Timeline

- September 2015 – *Hydrilla* fragments discovered
- October/November 2015 – Detailed survey conducted by NEAR & SOLitude
- February 2016 – Survey & Management Plan Report finalized
- June 2016 – Contract approved by CT DEEP
- July 2016 – *Hydrilla* Survey conducted by NEAR – no new areas found, but expansion of growth in existing area.
- July 2016 – Permit application submitted to CT DEEP – Pesticide Division
- August 1st – Pre-Treatment Re-Check
- August 10th & 11th – Treatment with Aquathol-K Herbicide
- August 24th & September 2nd – Post-Treatment Check
- September 8th – 2nd Lake Wide Survey

Hydrilla Location in Coventry Lake



Suggested Management Area for Hydrilla in Coventry Lake

Survey Dates 10/30/15 and 11/2/15 by ACT and NEAR

Two small dense patches of Hydrilla were found. The larger patch in the more northern cove was dense and the patch in the more southern cove was small but dense. The other two patches were trace. The suggested management area is approximately 9 acres.

-  Hydrilla Locations
-  Suggested Management Area

0 25 50 100 Meters



Coventry Lake
New *Hydrilla* Point
September 8, 2016



0 250 500
Feet

Searching for Hydrilla involved checking all Elodea beds





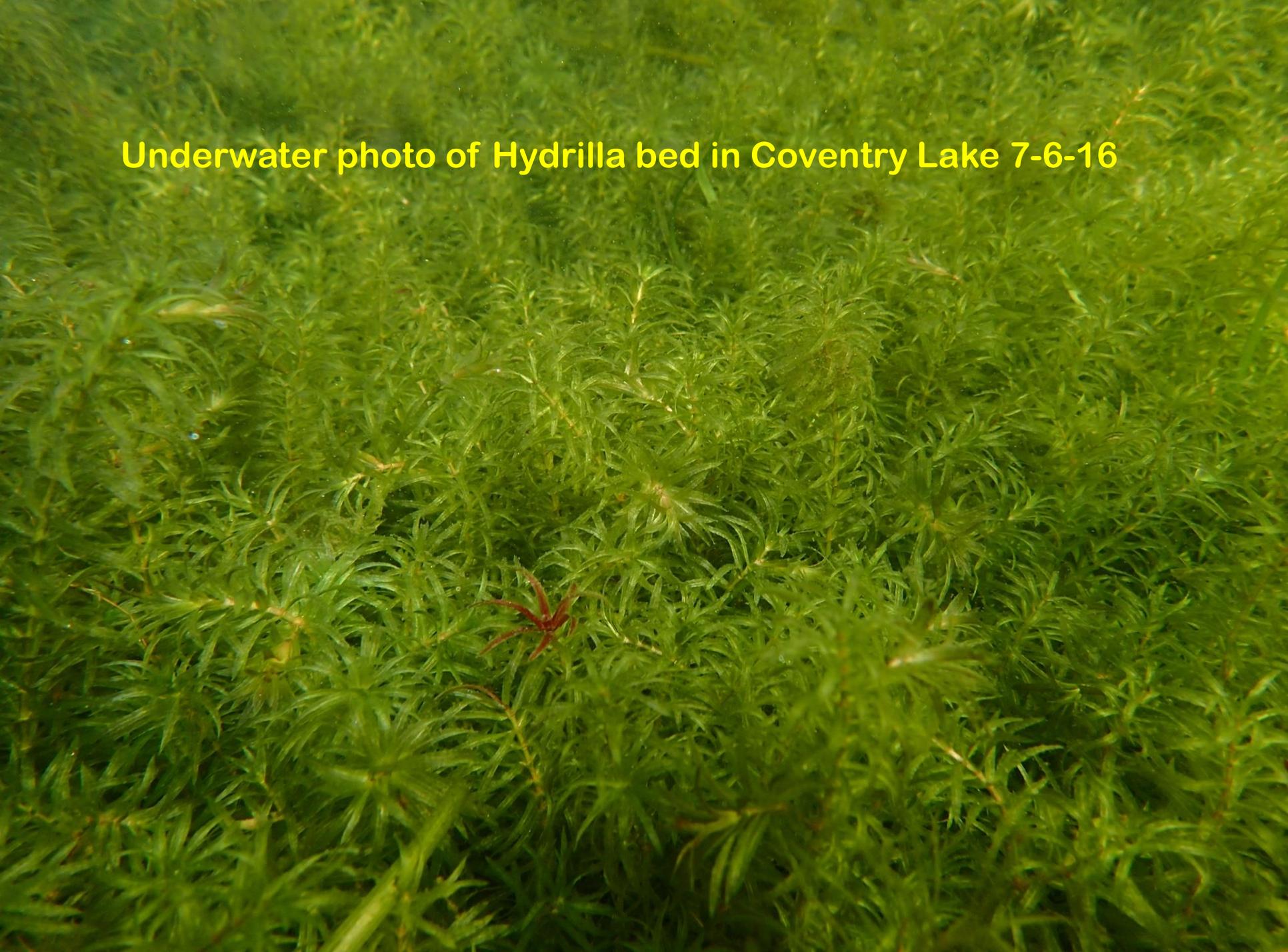
Elodea

Hydrilla

Hydrilla plant showing tuber and nodal roots



Underwater photo of Hydrilla bed in Coventry Lake 7-6-16



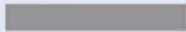
TREATMENT GOAL AND PLAN

- Minimize *Hydrilla* biomass
- Prevent additional spread of *Hydrilla*
- Conduct treatment after a majority of the tubers have sprouted, but before substantial tuber and turion production occurs – for the northeast, this occurs in late July/August.
- Preventing tuber and turion production (reproductive structures) will reduce the infestation over time.

Questions?

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