Invasive Aquatic Plants In Connecticut



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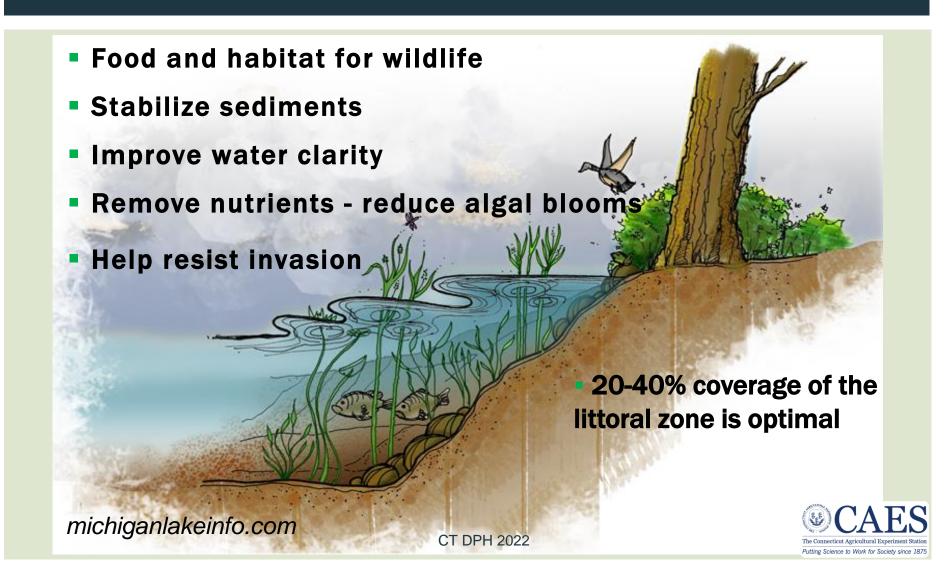


Invasive Aquatic Plants

- Ecosystem Impacts
 - Displace native species
 - Alter native ecosystems
- **Economic Impacts**
- Reduce recreation
 - Lower property values and tax revenue
 - Interfere with navigation
 - Economic damages and management costs of \$3 billion per year

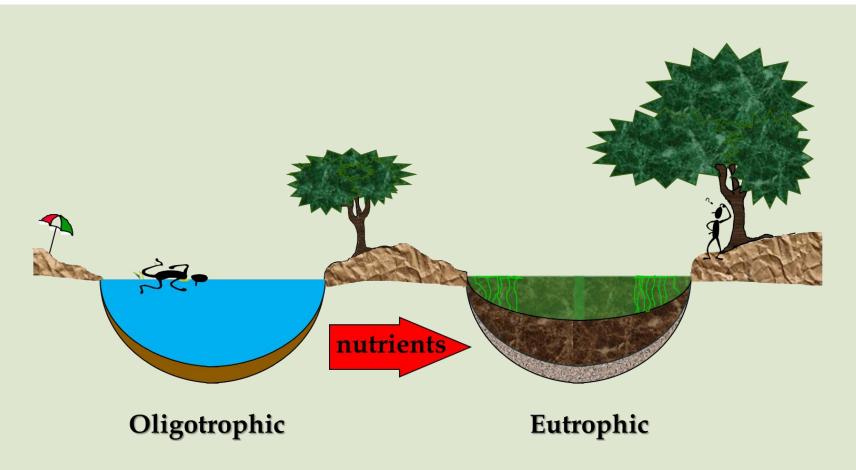


Native Aquatic Plants Are Important



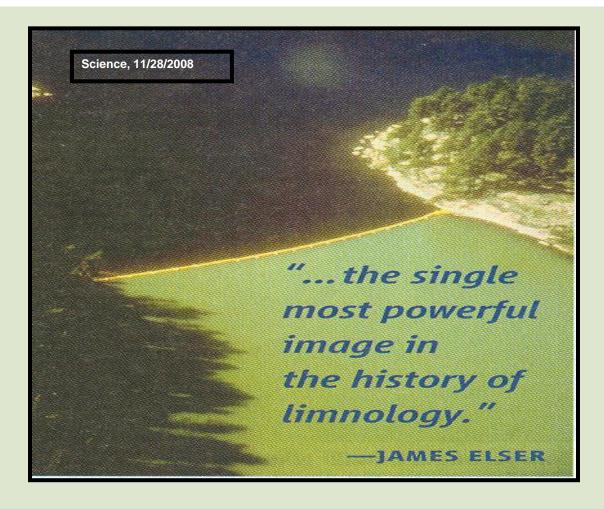


Eutrophication





PHOSPHORUS LIMITS ALGAE NOT AQUATIC PLANTS

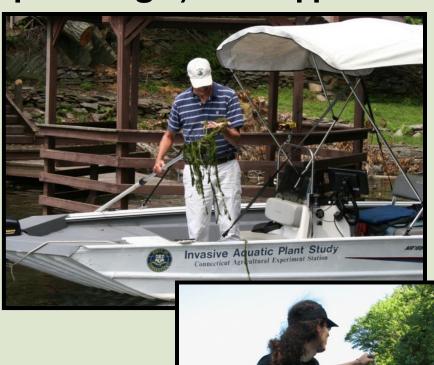




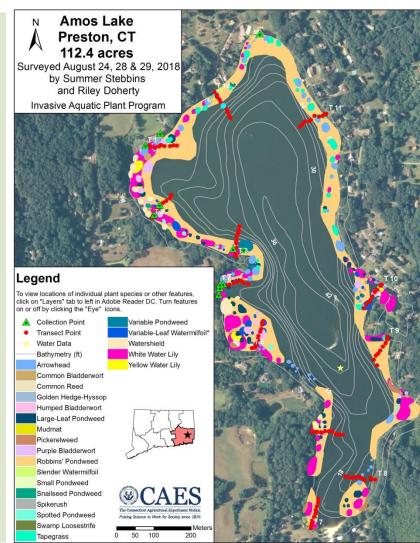
Vegetation Surveys

portal.ct.gov/caes-iapp

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Introduction and Dispersal

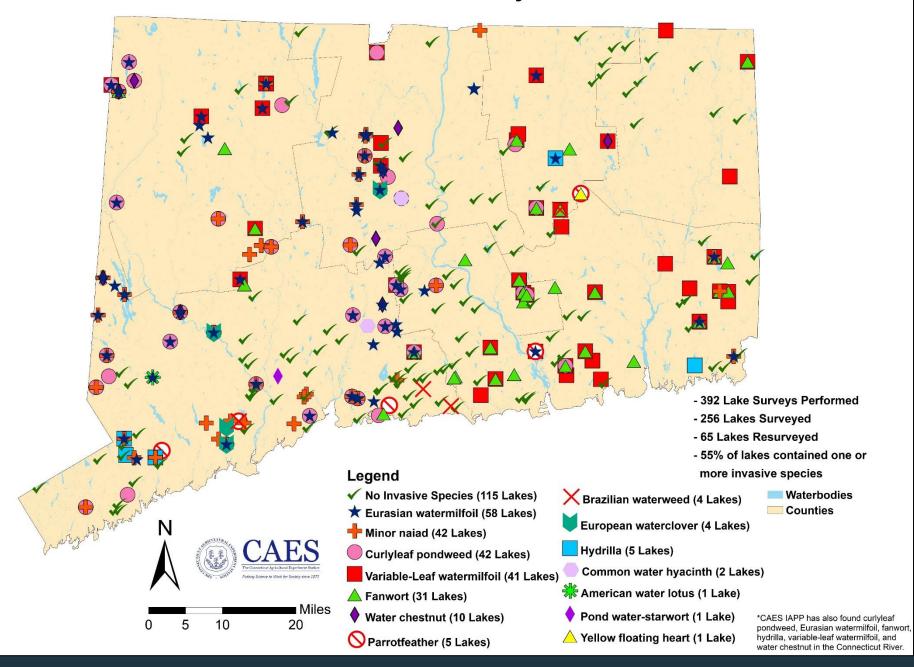


www.noaa.gov

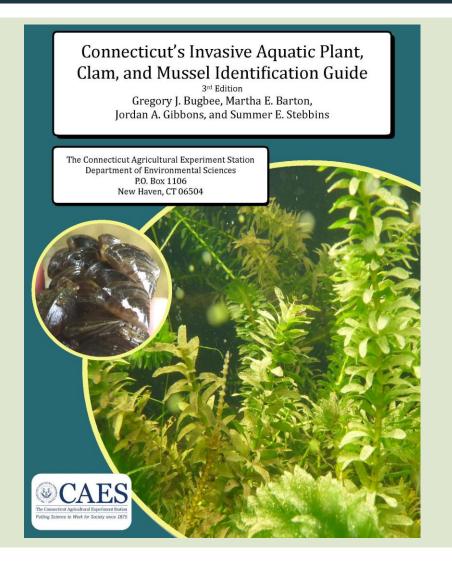


CAES IAPP

Locations of Invasive Plants Found by CAES IAPP 2004-2021



INVASIVE AQUATIC PLANT GUIDE



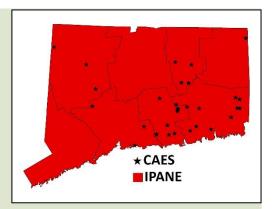


https://portal.ct.gov//media/CAES/Invasive-Aquatic-PlantProgram/Publications/PlantIdentification/B1056.pdf

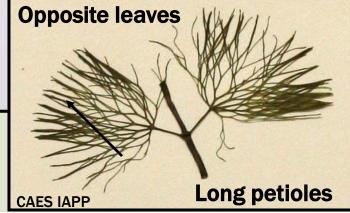
Fanwort Cabomba caroliniana









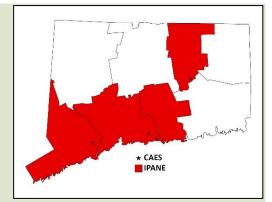


CT DPH 2022

Brazilian Waterweed Egeria densa

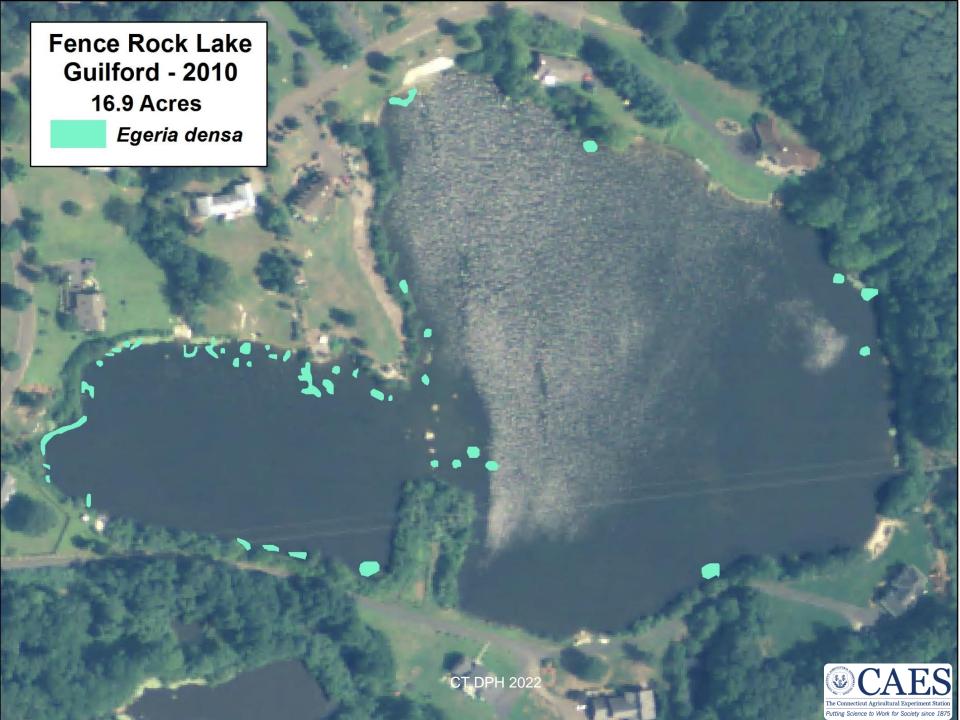


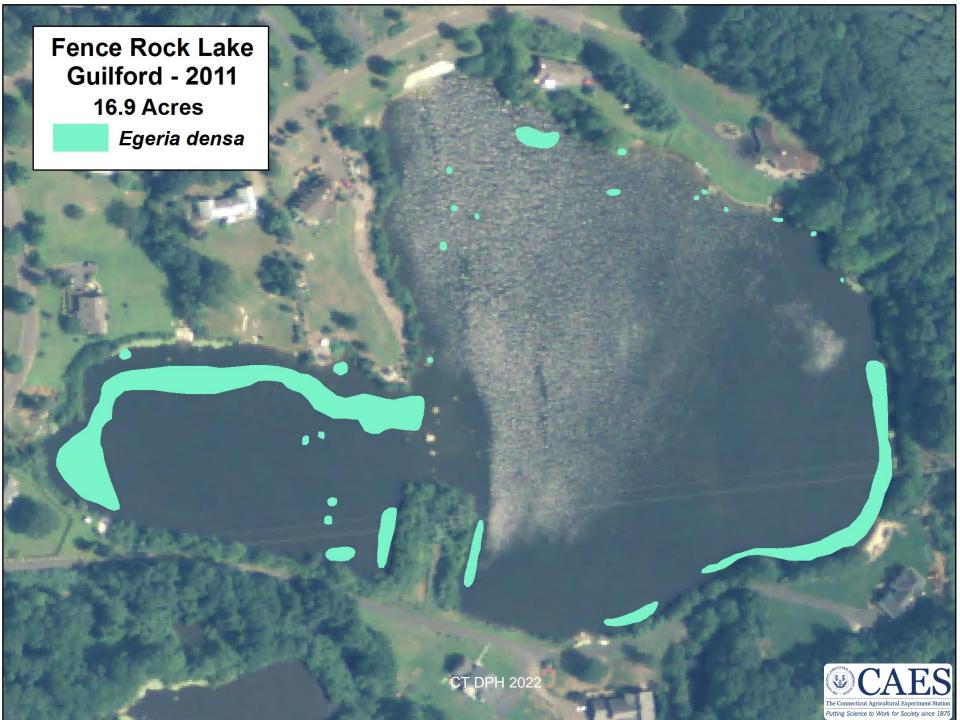


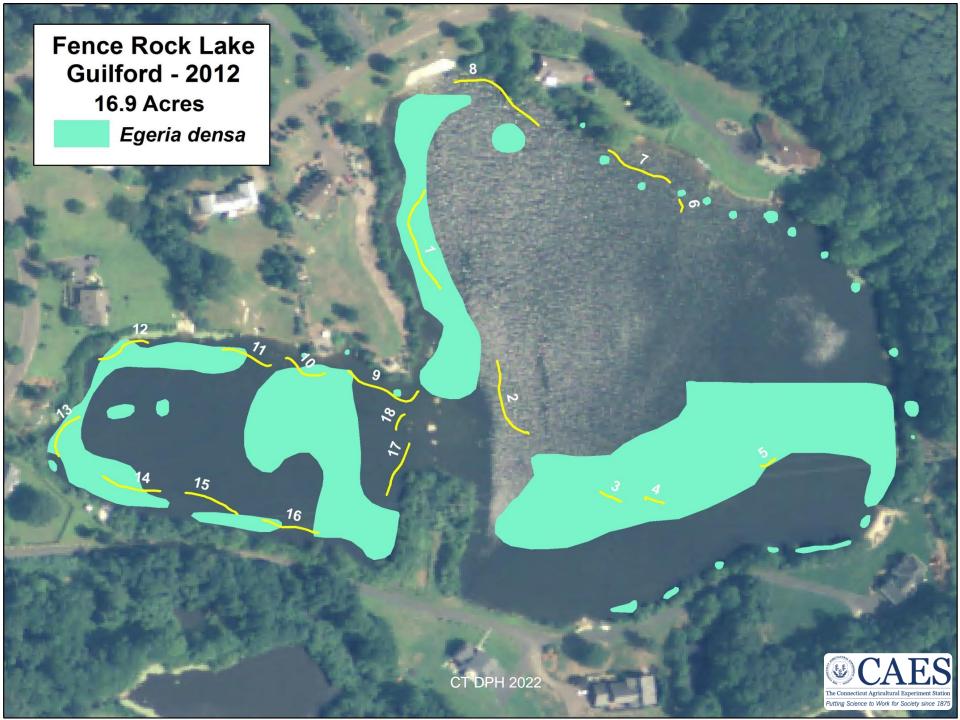


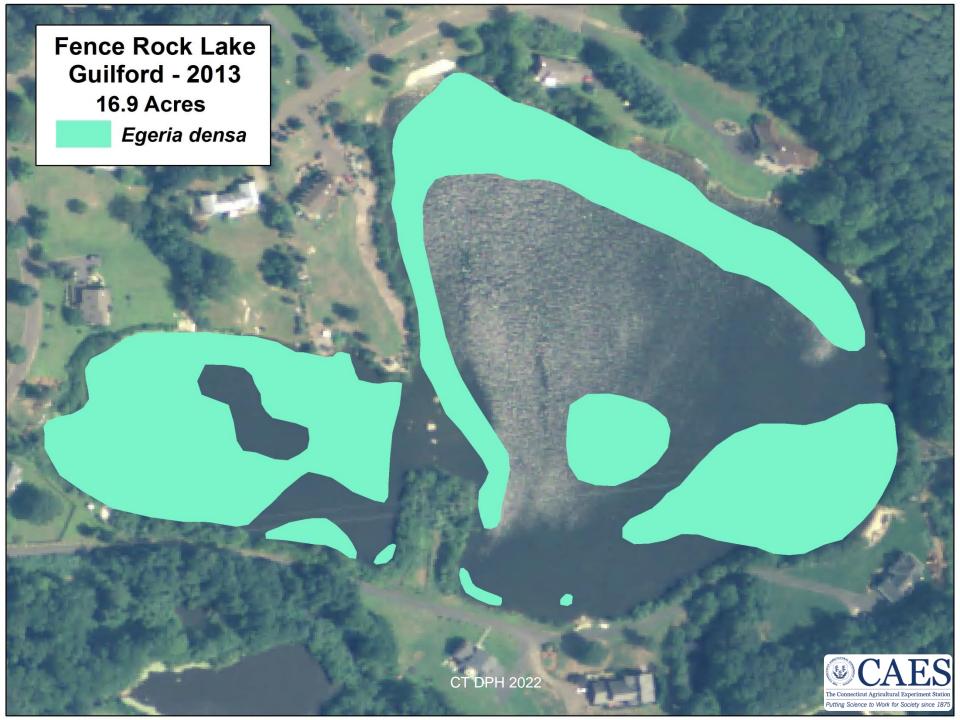


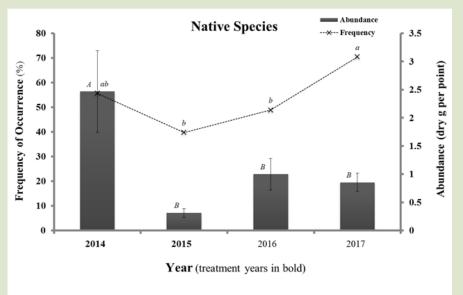


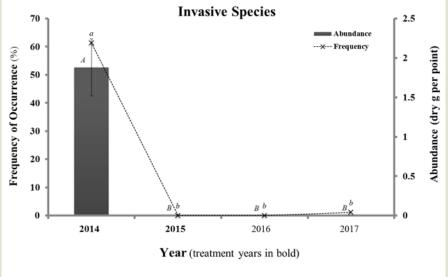






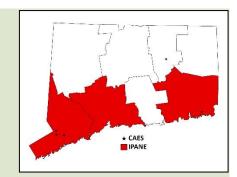






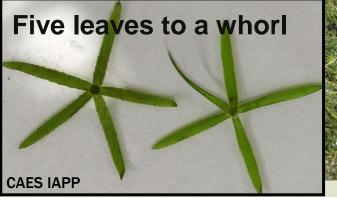


Hydrilla Hydrilla verticillata

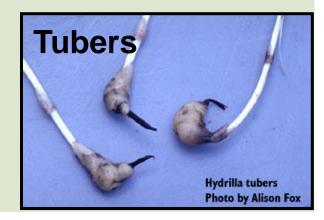












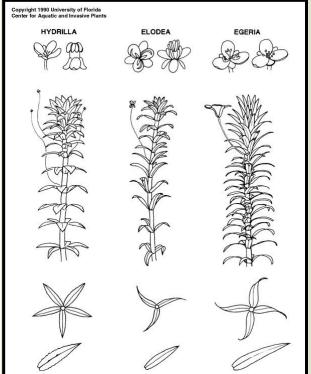
Mattabesset River

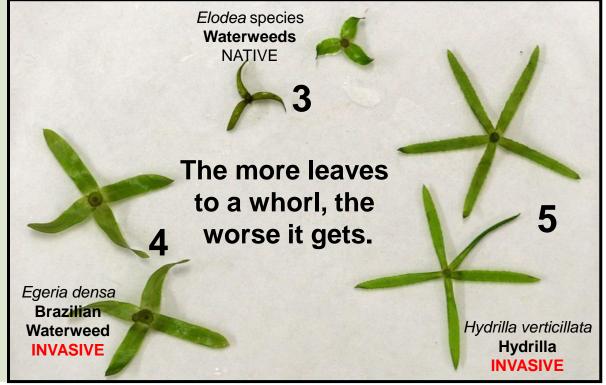




COMMONLY CONFUSED SPECIES





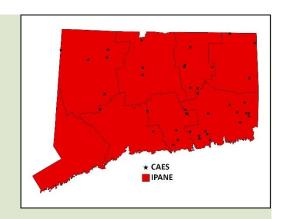


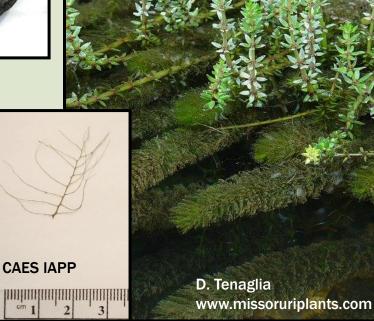
Variable Watermilfoil Myriophyllum heterophyllum



Leaves collapse out of water



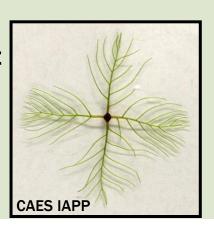




Leaves < 1 inch apart

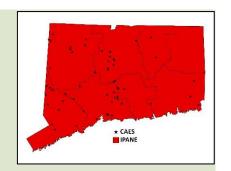
≤ 11 pairs of leaflets

Triangular leaf





Eurasian Watermilfoil Myriophyllum spicatum

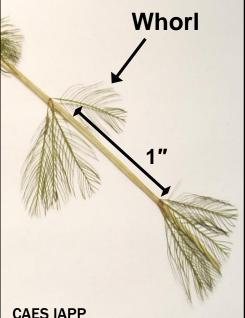


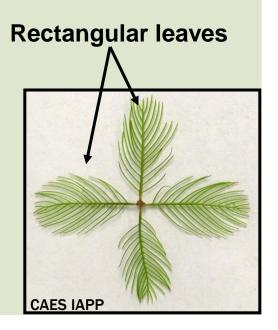


Leaves 1 inch apart

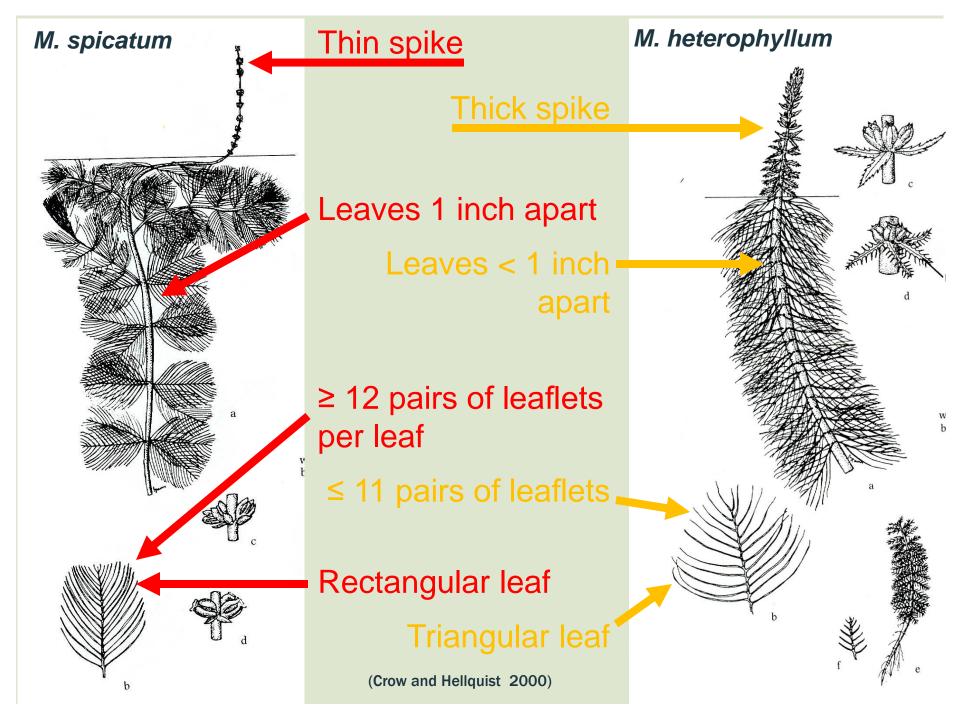
≥ 12 pairs of leaflets per leaf

Rectangular leaf

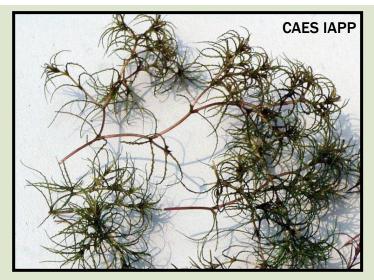




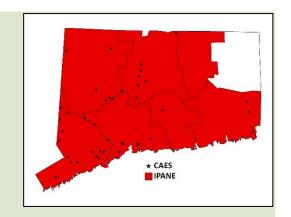


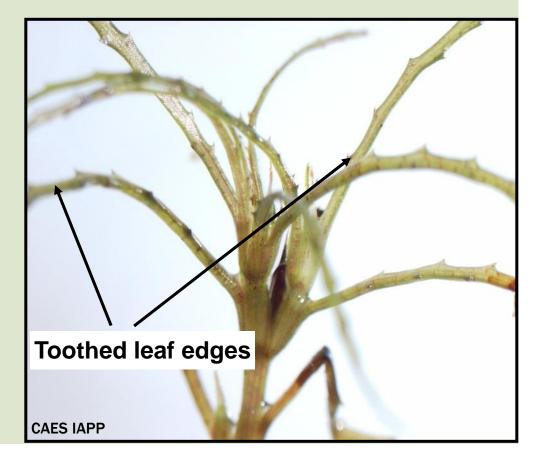


Minor naiad Najas minor







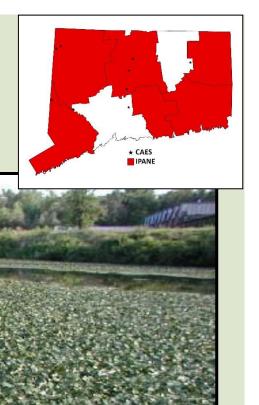




Curlyleaf Pondweed Potamogeton crispus



Water Chestnut Trapa natans





Nutrient Reduction



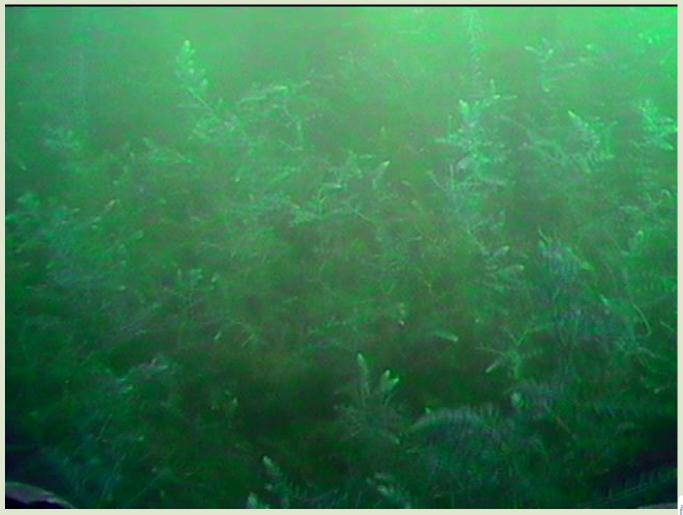




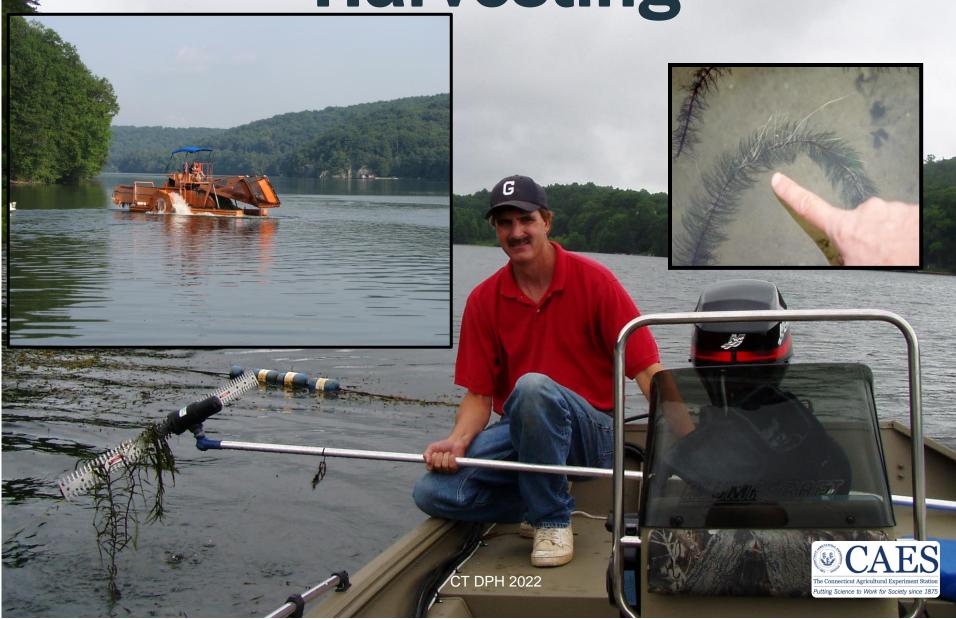


Brazilian Waterweed Comingled With Native Species

To control or not to control?







Benthic Barriers





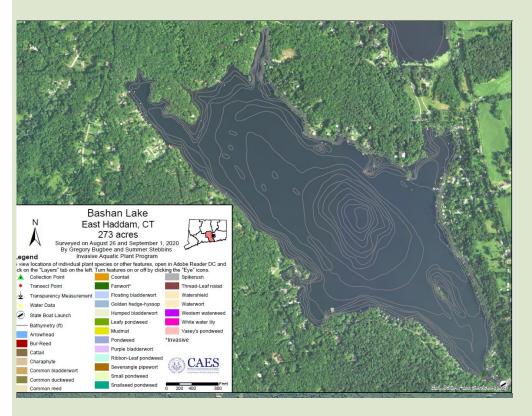








HERBICIDES







Biological Control



Grass Carp Ctenopharyngoden idella

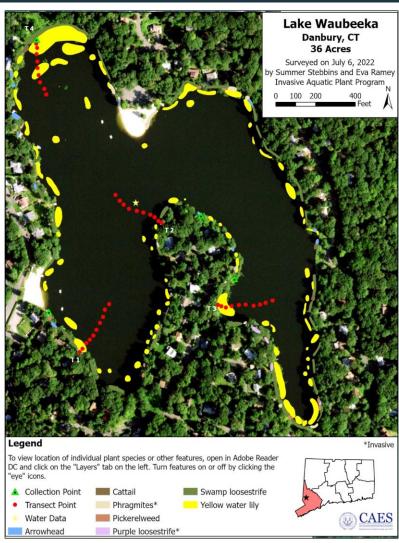


Milfoil weevil, Euhrychiopsis lecontei





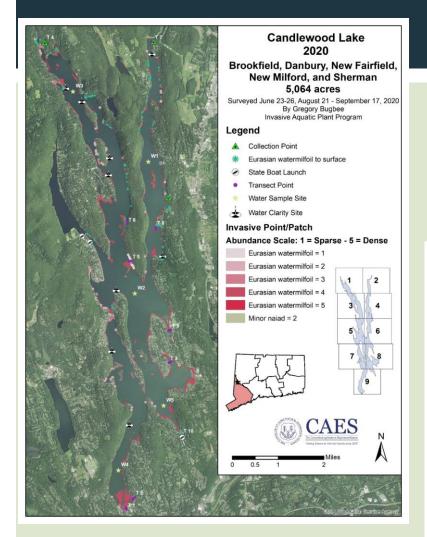




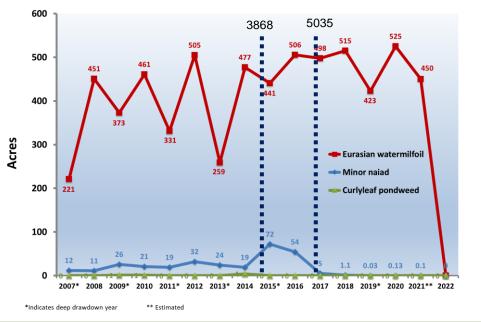












QUESTIONS?

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