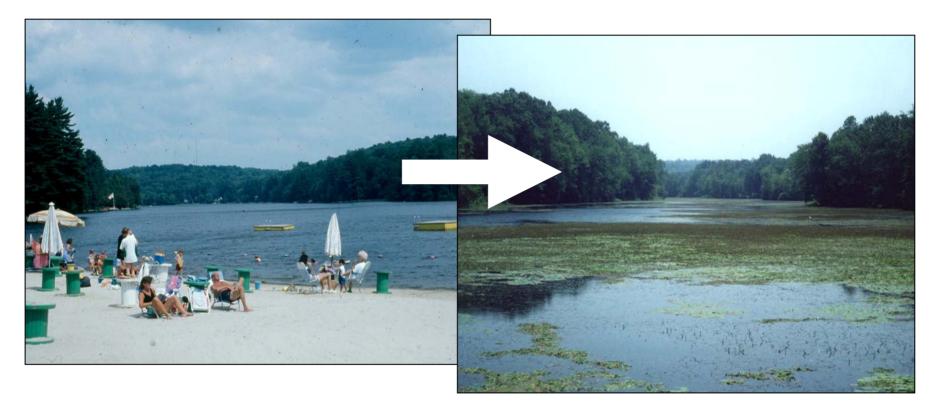
Invasive Plants: Lakes and Ponds in Peril?



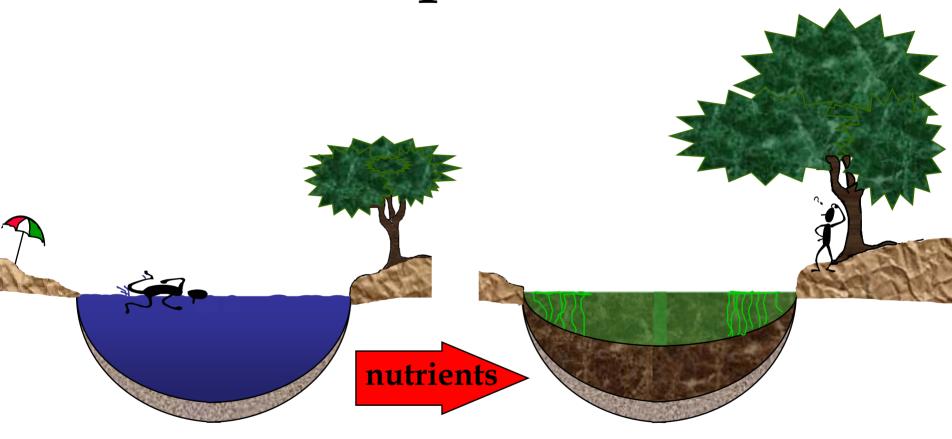
Greg Bugbee

Department of Soil and Water

The Connecticut Agricultural Experiment Station



Eutrophication



Oligotrophic

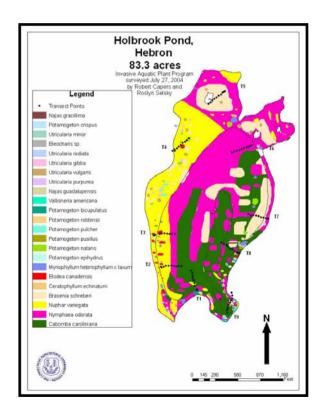
Eutrophic



Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP)

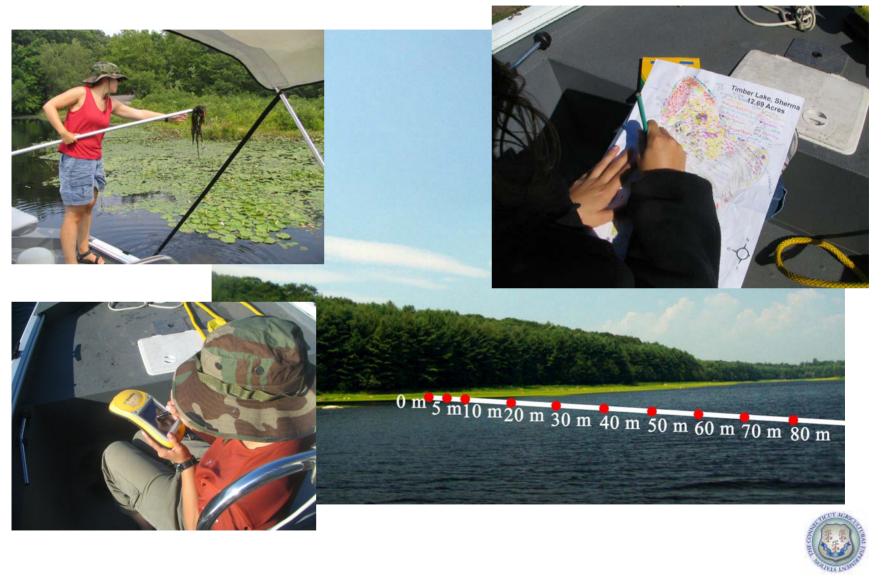
Surveys

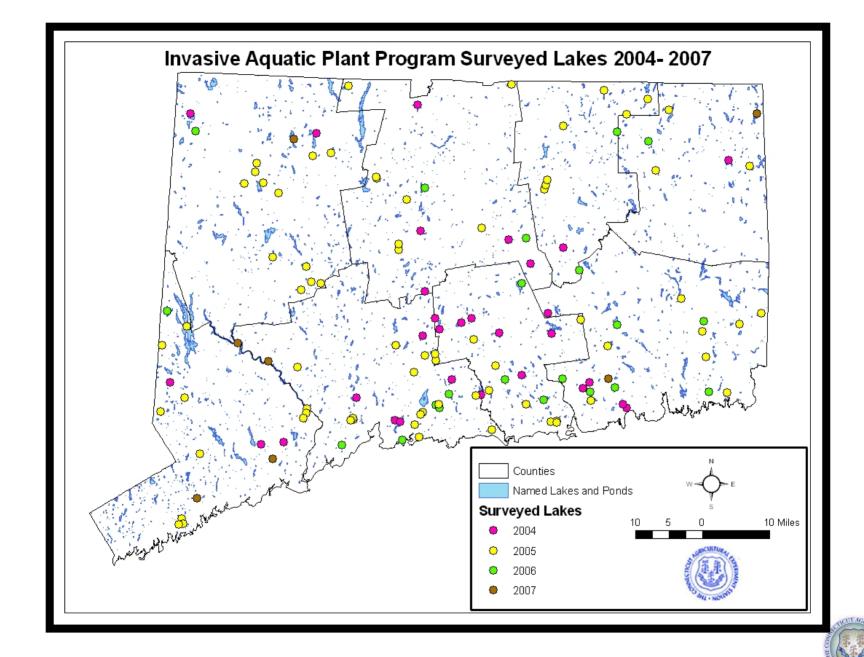
- map vegetation
- correlate with water chemistry, use, watershed, etc.
- Test management strategies
 - herbicides
 - biocontrol
 - mechanical





Surveillance



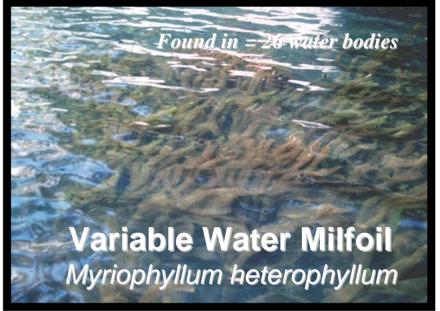


Survey Results



- 133 water bodies surveyed
 - 92 native aquatic plant species found
 - 11 invasive aquatic plant species found
 - 62 percent of the water bodies contained one or more invasive species



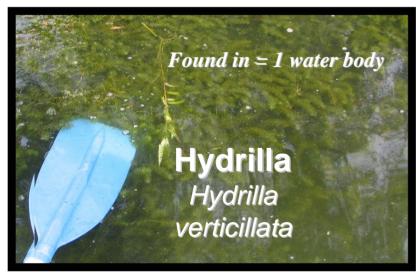








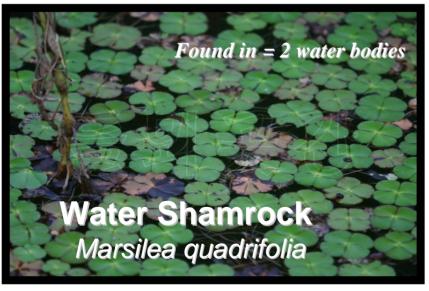








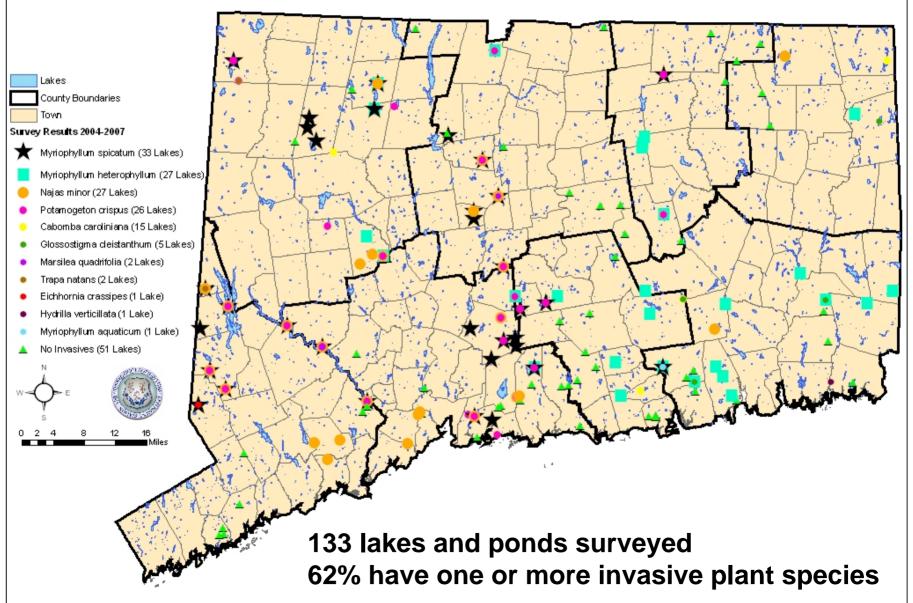




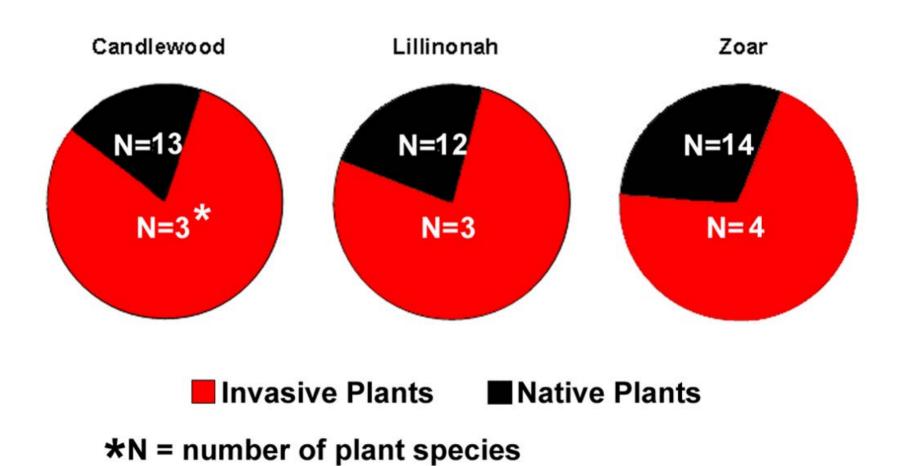




The Invasive Aquatic Plant Species Found in the 2004-2007 CAES IAPP Surveyed Lakes



Frequency of invasive and native plants found in three of Connecticut's largest lakes.



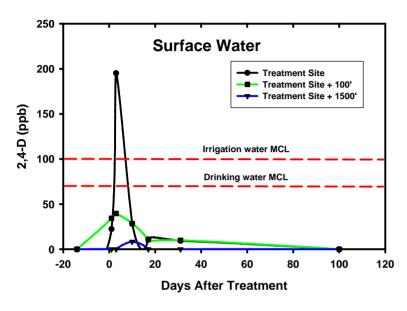
Management and Control

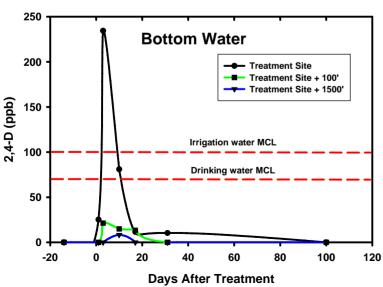


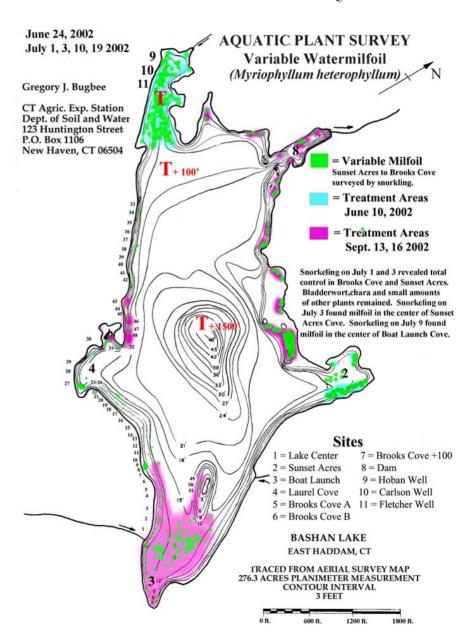
Bashan Lake East Haddam, CT



Persistence and Movement of 2,4-D



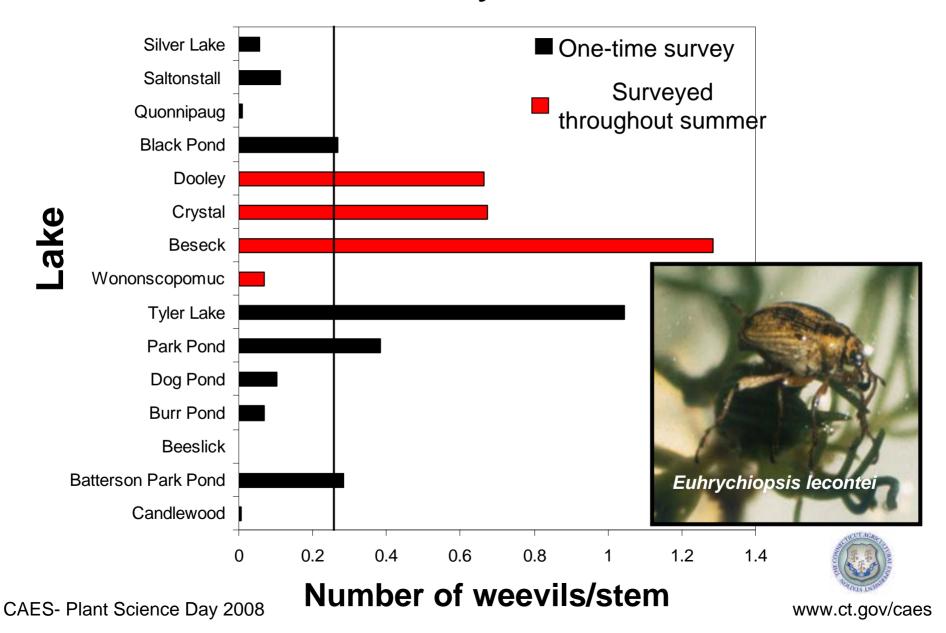




Control of *P. crispus* in Crystal Lake



Milfoil Weevil Surveys and Introductions

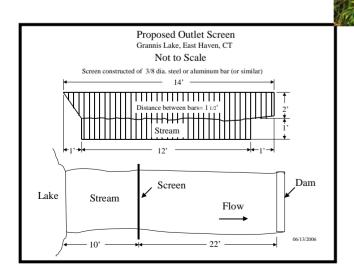




Grass Carp

Ctenopharyngoden idella

Grannis Lake East Haven CT

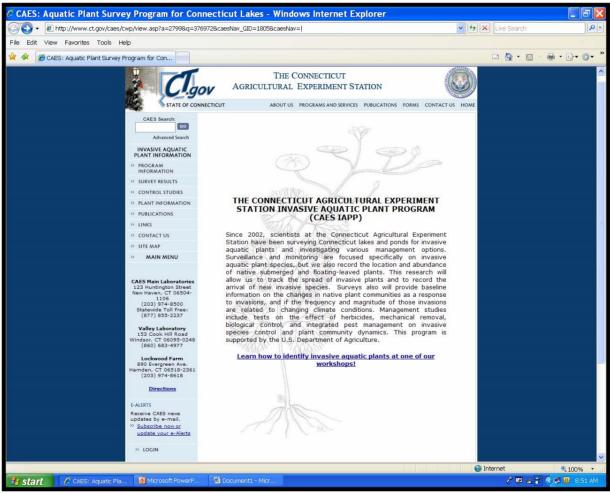


Screen with 3/4" openings

Existing Dam

Loose boards and rocks placed to allow people to cross outlet stream

CAES IAPP Website www.ct.gov/caes/iapp





Greg Bugbee
Department of Soil and Water
123 Huntington Street
P. O. Box 1106
New Haven, CT 06504

Phone: 203.974.8512

Email: Gregory.Bugbee@po.state.ct.us

Website: www.ct.gov/caes

