

Invasive and Nuisance Aquatic Plants in Warner's Pond



Warner's Pond Facts

- 95% of the watershed not in Concord
- Shallow , 4.5 ft depth
- Man-made impoundment created in 1800's
- Presently 55 acres
- 3 islands

Invasive non-natives (exotics)

- Purple Loosestrife (200 yrs ago)
- Water Chestnut
- Fanwort (50 yrs ago)
- Variable Milfoil

Nuisance native plants

- Water lilies
- Water willow, willow weed

How did they get here and spread ?

- Nurseries
- Pet store aquariums
- Birds
- Boats
- Nutrient loading

Purple Loosestrife (E)

- Stems waist high
- Grow along shoreline
- Single plant may produce up to 2.5million seeds per year



Water Chestnut (E)

- Stems up to 15 feet long
- Barbed fruit or nut at bottom
- Annual
- Floating rosettes produce up to 20 seeds
- Each seed producing 15-20 rosettes



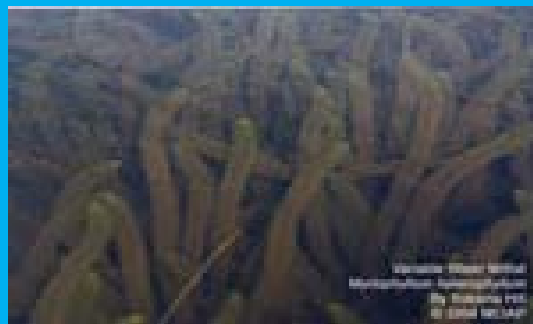
Fanwort (E)

- Produces long stems
- Floats just below the surface
- Produces thick mats in shallow water
- Perennial
- Propagates through fragmentation and root expansion



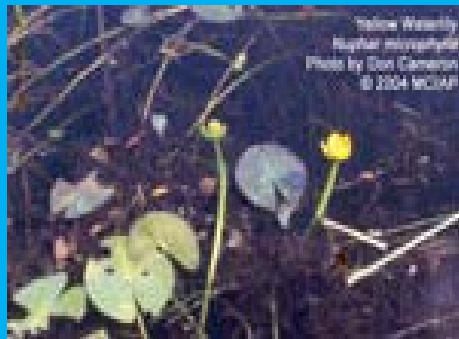
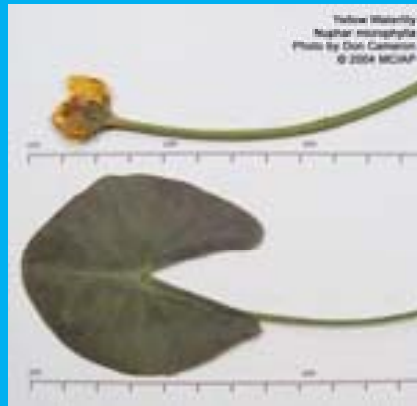
Variable milfoil (E)

- Stems usually thick and red
- Grows in masses from bottom
- Leaves feathered
- Perennial
- Propagates by fragmentation, root division, seeds



Natives out of control

- Water lily
- Willow weed or water willow



Control options

- Hand pulling with divers
- Benthic barriers
- Chemicals
- Hydroraking (scooping plants up by roots)
- Harvesting (lawn mowing)
- Drawdown (freeze out)
- Dredging
- Biological controls
- Do nothing

Upper Saranac Lake

- 4,700 acres
- Hand pulling with divers
 - 1st year 18 tons
 - 2nd year 4 1/2 tons
 - 3rd year 500 lbs
 - 4th year 500 lbs
- Cost 2 million dollars
- Year 5 on call basis for removal

What can you do ?

- Don't buy non-native plants and ask your nursery not to sell them
- Don't dump yard waste in or near wetlands
- Don't buy non-native plants for your aquarium
- Reduce fertilizer use near open water
- Check your boat and motor for plant fragments
- GET ACTIVE
- Help fight the spread of non-native plants
- Save Warner's Pond

Warner's Pond Today

