

#### **Natural Lake**

#### **Located in Northern Westchester**

**Town of Yorktown** 

103 Acres, 1 mile long

Average depth 12'

**Eutrophic Lake** 

**Limited Inflow and Outflow** 

**Highly Developed Watershed** 

### **Lake Mohegan Associations**



### MOHEGAN LAKE IMPROVEMENT DISTRICT



#### Caring for our lake and building community

- Special Tax District formed in 1975 by lake residents
- Approx. 1,800 tax parcels in Yorktown and Cortlandt
- Volunteer board, part-time summer staff (4)



Approx. \$90,000 annual budget

# What We've Done Right

Water Chestnut(trapa natans) infestation

When we realized it, it was widespread

 Lesson learned: watch what's growing in your lake Started with volunteer effort

Flotilla of kayaks, canoes, jon boats

- Hand pulling
  - Mother-daughter plants



We are now in Year 14 of Water chestnut eradication

Only finding "trace" numbers of plants . . . .

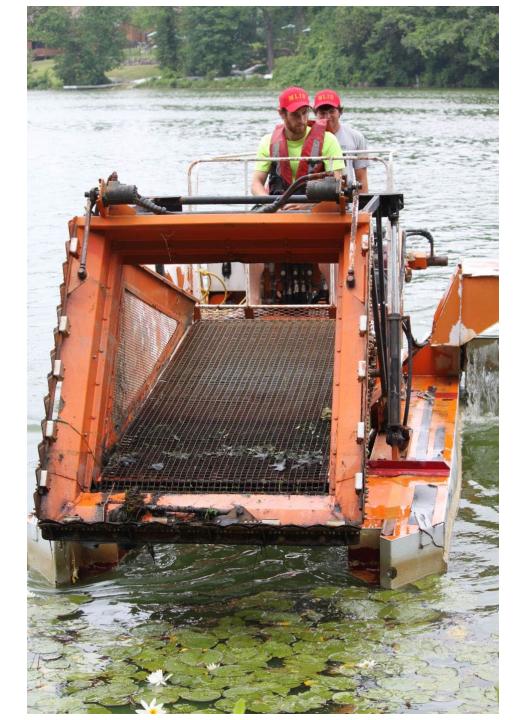
## We also have:

Curly-Leaved Pondweed (potamogeton crispus)



- Grows very early in season
- Dies off in early summer
- Mid-season decomposition contributes to
  - Biological oxygen demand at lake bottom?
  - Anoxic conditions contributing to internal loading?
- Became dominant in certain areas for a few years

- We decided to "mow" the curly-leaved pondweed with our mechanical weed harvester
  - —Prior to die-off
  - to remove some mass of nutrients
    from lake ecosystem



We harvested for a few years, until curlyleaved pondweed mysteriously ceased to be so predominant.

# What We've Done "Wrong"

 Eurasian Watermilfoil (myriophyllum) is by far the pre-dominant invasive

- We clear the beach areas using the
  - weed harvester
  - And a weed razer
- Milfoil spreads by fragmentation

Now that I have shared about Mohegan,

it's your turn to share!

