



2016 Honeoye Lake Aquatic Vegetation Management Program

Betsy Landre, Ontario County Planning Department



Every Finger Lake has a watershed management plan/program

- Protect Assets and Manage Problems
- Compete for Grant Funds



Honeoye Lake Assets



Kayaking at sunset

©Jon Reis

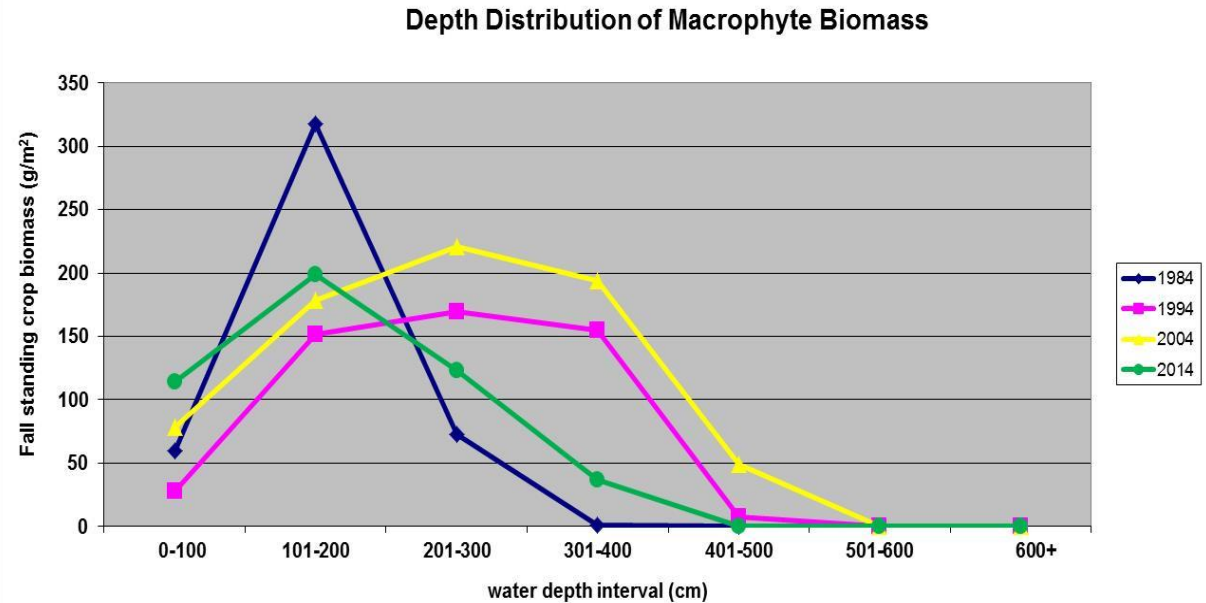
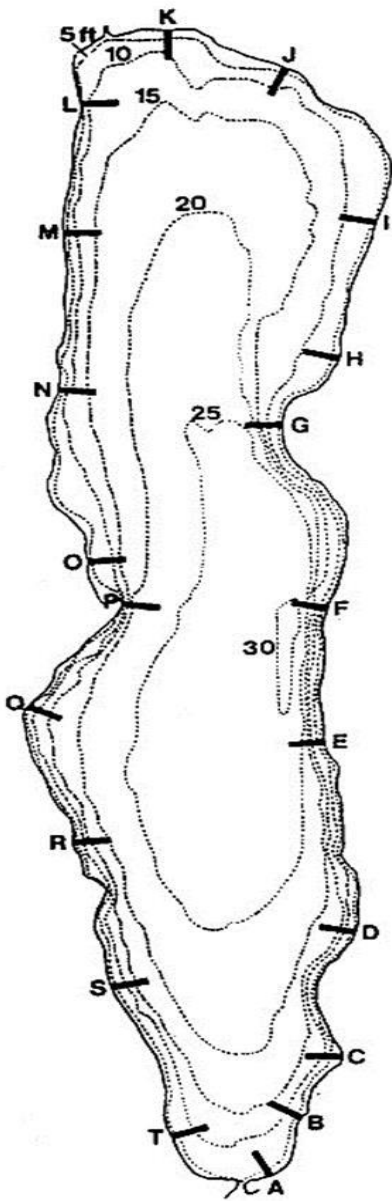
Management Strategy for Nuisance Aquatic Vegetation: Mechanical Harvesting

- Open up areas for boating and swimming
- Remove phosphorus



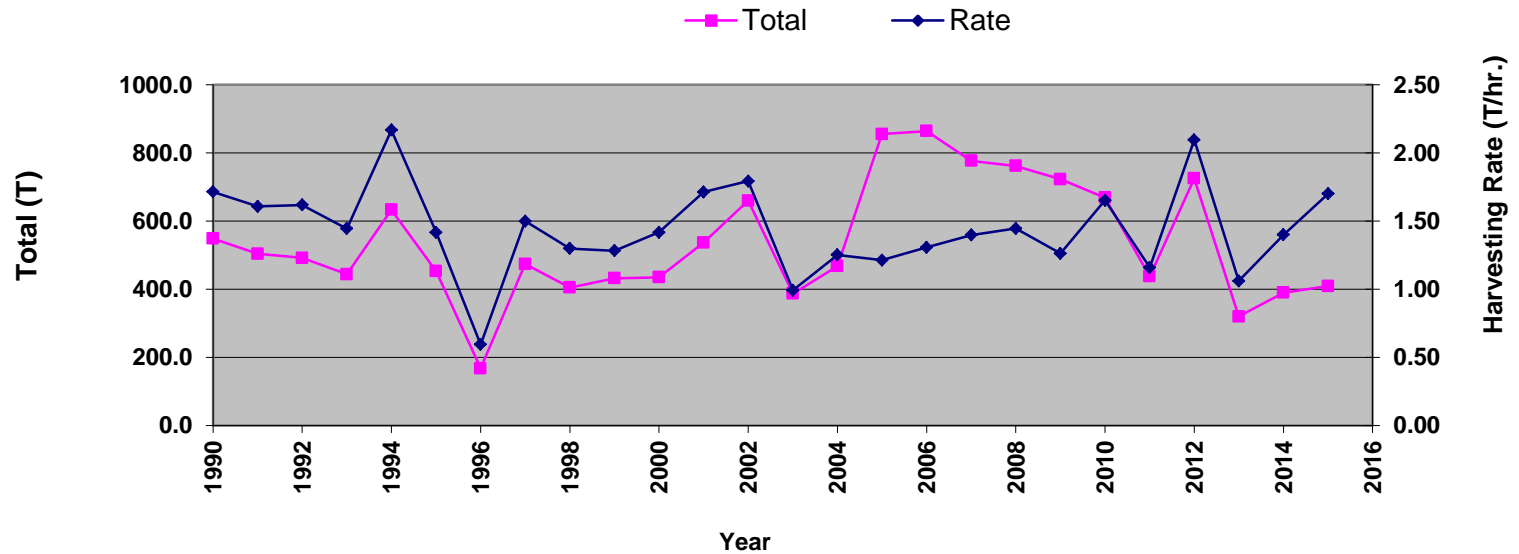
Measuring Impact: Depth Distribution of Macrophytes 1984-2014

(B. Gilman et al, 2015)



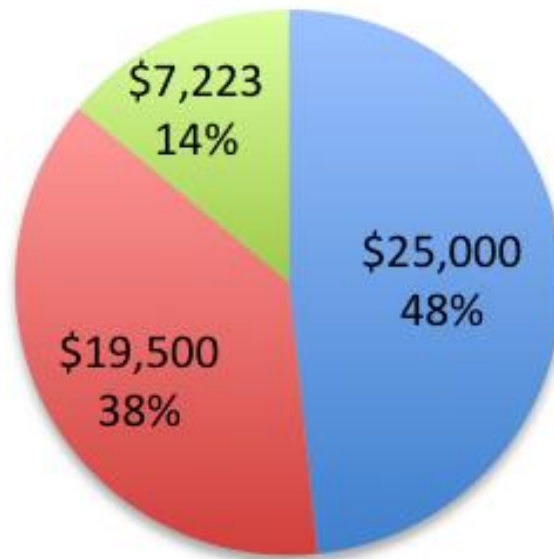
Harvesting History & Performance

Total Wet Tons Removed and Harvesting Rate
2 Harvesters Operating 2005-2011
1 New Larger Harvester Operating since 2012

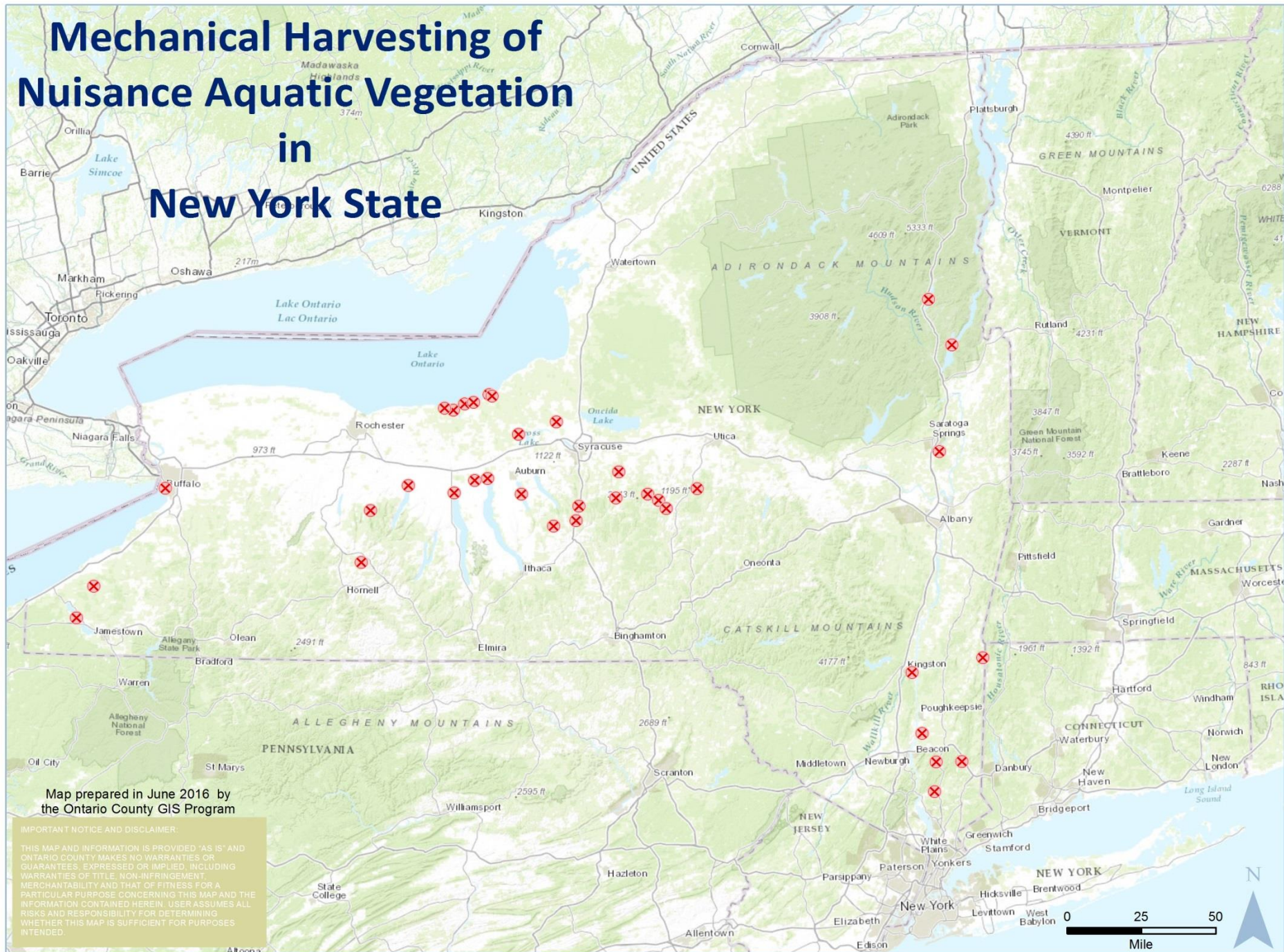


2015 Harvesting Operations Cost-Share

■ State ■ County ■ Towns



Mechanical Harvesting of Nuisance Aquatic Vegetation in New York State



Chautauqua Lake



Fragment Management

long docks, restricted shoreline



23'x8' work barge & crew



Resident Bids Farewell

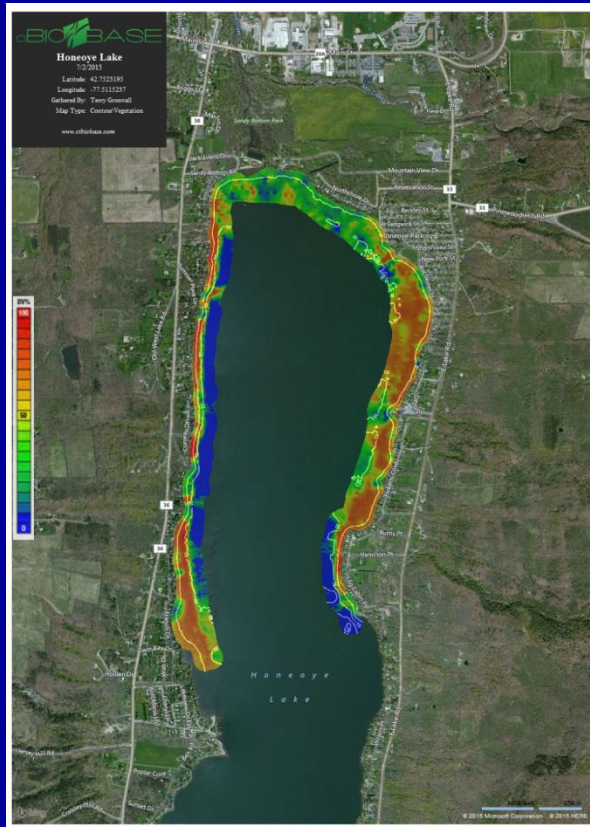


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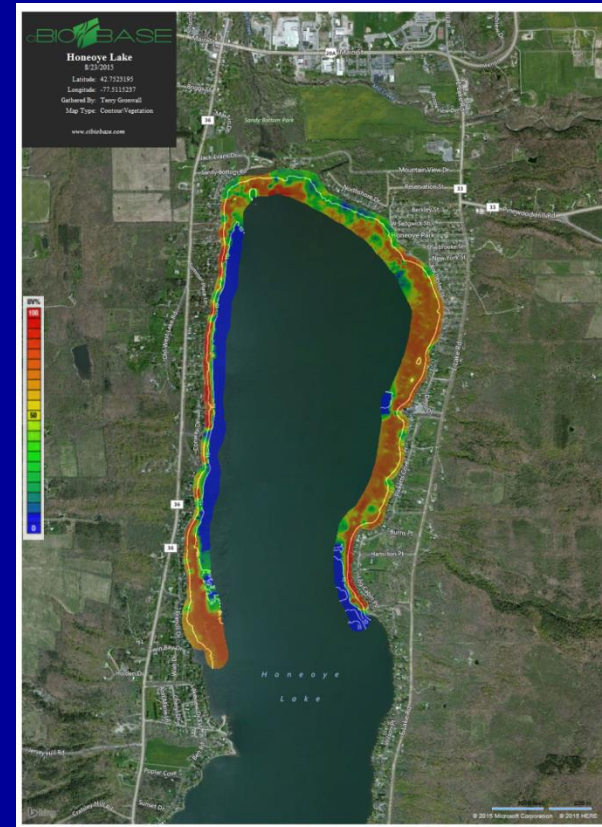


Targeted harvesting

July 3, 2015



August 23, 2015



GPS harvest boundary @ wetland



“Quieter” paddlewheels near shore



Investigating water quality dynamics

Dates 9/16 - 9/19/2015					
Francis Tract - two locations					
	5'			8'	
(N 42 45.578 & W 77 31.100)			(N 42 45.586 & W 77 31.081)		
	Secchi			Secchi	
BEFORE	1.25 M			1.25 M	
AFTER	1.25 M			1.25 M	
1 HR	1.25 M			1.25 M	
8 HRS	1.1 M			1.1 M	
24 HRS	1.25 M			1.35 M	
48 HRS	1.60 M			1.6 M	
72 HRS	1.50 M			1.4 M	

Volunteers at work ...



Watershed Services: Pilot Yard Waste Composting Project

100 vehicle visits

**85.5 cubic yards
(estimated)**



Yard waste composting: Round 2

Stay tuned for community announcement



- Primary facility: Richmond Brush Pit
- Overflow to Canadice
- 1 weekend day
- 1 weekday evening
- Staffed
- Neighborhood Round Ups

Partners and Plans → Coordinated Action

- Honeoye Lake Watershed Task Force
- Honeoye Valley Assoc.
- Towns of Richmond and Canadice
- FLCC Muller Field Station
- The Nature Conservancy
- Ontario County SWCD
- Ontario County Planning
- DEC
- NYS Parks
- Private Consultants
- Honeoye Lake Watershed Management Plan, 2007
- Honeoye Lake Macrophyte Management Plan, 2008
- Many studies