

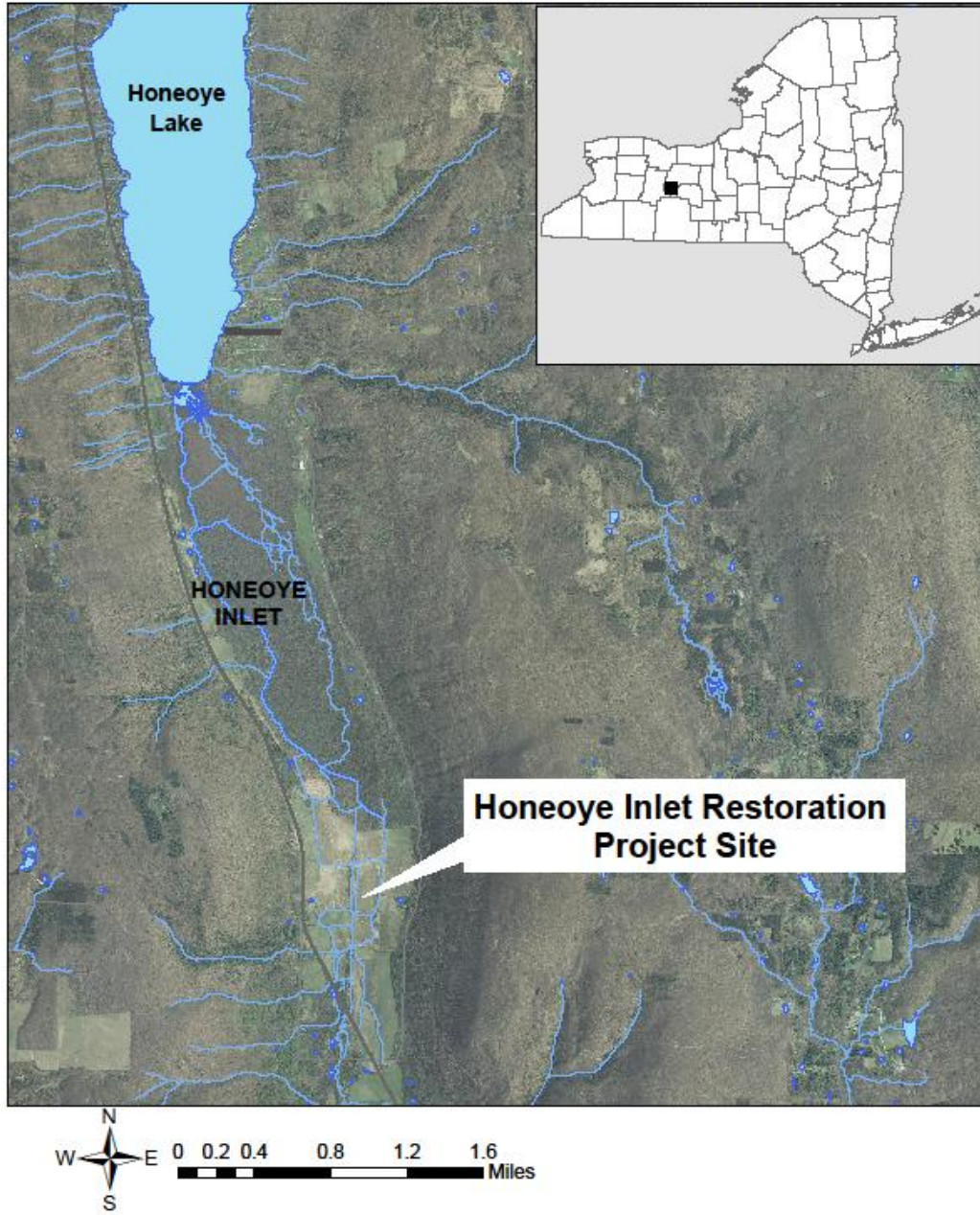
# Honeoye Lake Inlet Restoration Project Update



**Megan Webster** – Ontario County SWCD



## Honeoye Inlet Restoration Project



## Honeoye Lake

One of the smallest, shallowest, and most biologically productive of the Finger Lakes.

### Harmful Algal Blooms (HABs)



# Modeled nutrient and hydrologic budget of Honeoye Lake watersheds.

1-year storm events are responsible for up to 70% of the loading





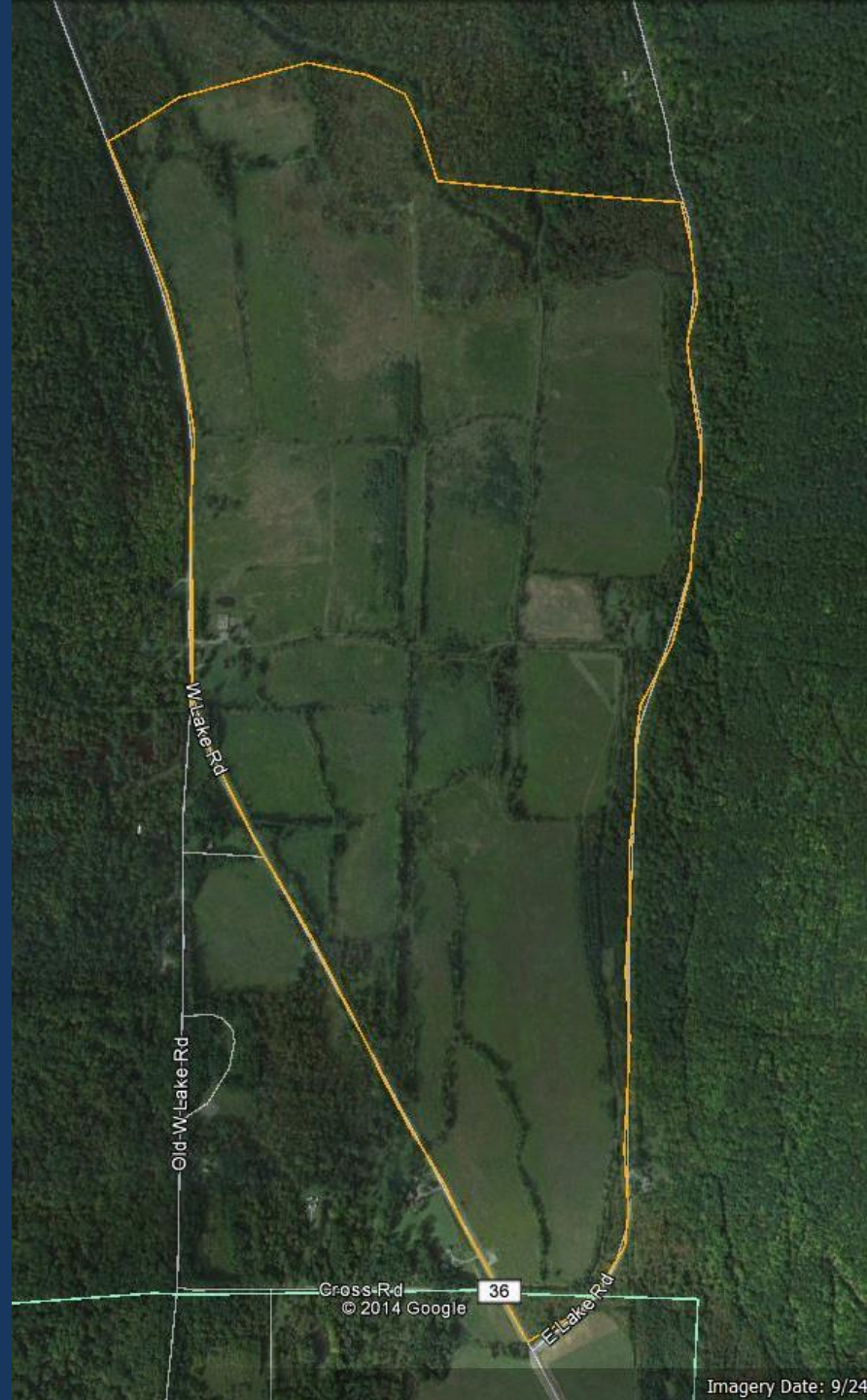
# Honeoye Inlet- ~50% Total P Input



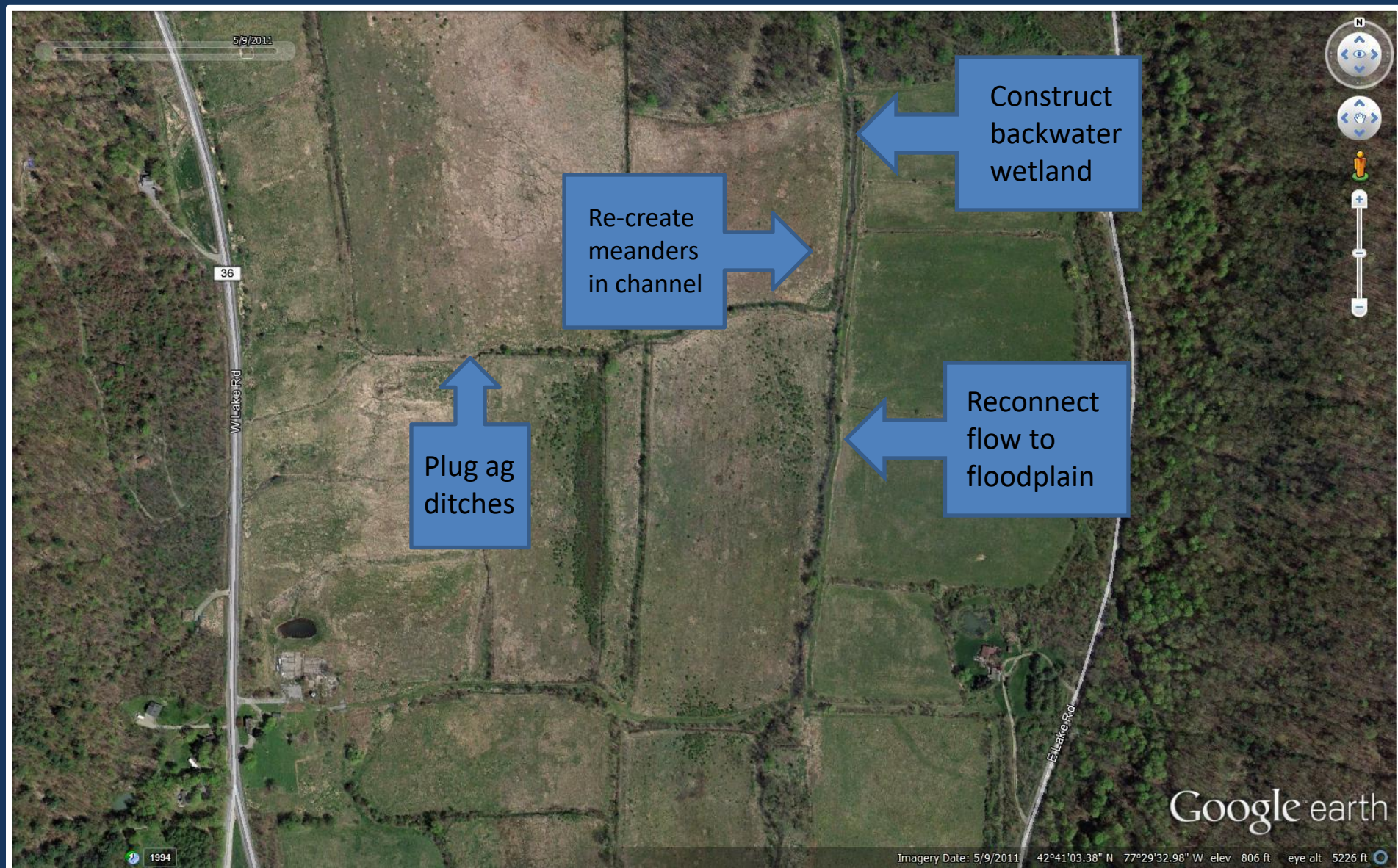


# Water Quality Improvement Project Round 12

- Allow water to slow down and spread out
- Use nature to filter out sediment and nutrients
- Increase opportunities for recreation
- Improve habitat for fish and other wildlife







**Removal of 24-37% of the total amount of phosphorus entering Honeoye Lake**



[illegible]

Source: Ben. Dichtelblau, *Sho'eva*, Tel-Aviv, *Haaretz*, 26 September 1993, p. 10. Translated by Prof. Ussishkin, 1993. URL: <http://www.anglo-jewish.org/anglo-jewish/030993/030993010.htm>



Construction: K.L. Warren Inc.  
September 2016











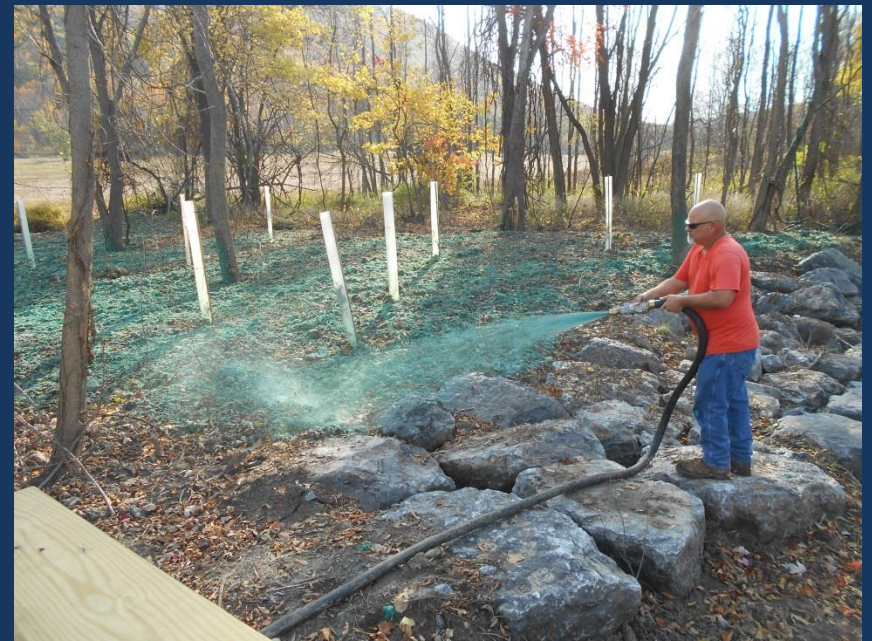
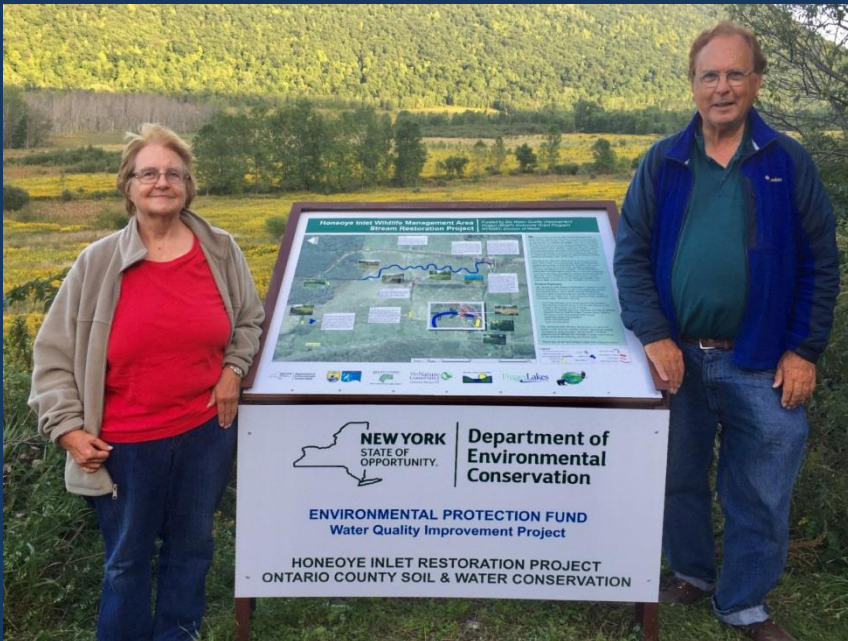


















Trees 4 Tribes - 2016  
2500 Bare Root Trees





# Planting 2017

- FLCC Activities Day
- North American Breweries with TNC
- Earth Day with HVA





# Plantings

- Native trees and shrubs
- Live Stakes
- Native Seed





A little help from friends...













# Monitoring

- **Water Quality Monitoring** –
  - Sample above and below project area throughout season, nitrates, TP, TSS, etc.
  - Anticipate site stabilization for at least 5 years.
- **Sedimentation Assessment**
  - Measure the effectiveness of ditch plugs at capturing sediment
  - Long response time
- **Wildlife Habitat**
  - Avian species richness
  - Amphibian species richness
  - Expect faster response
- **Photo-points**
  - Visually assess what changes are taking place over time.

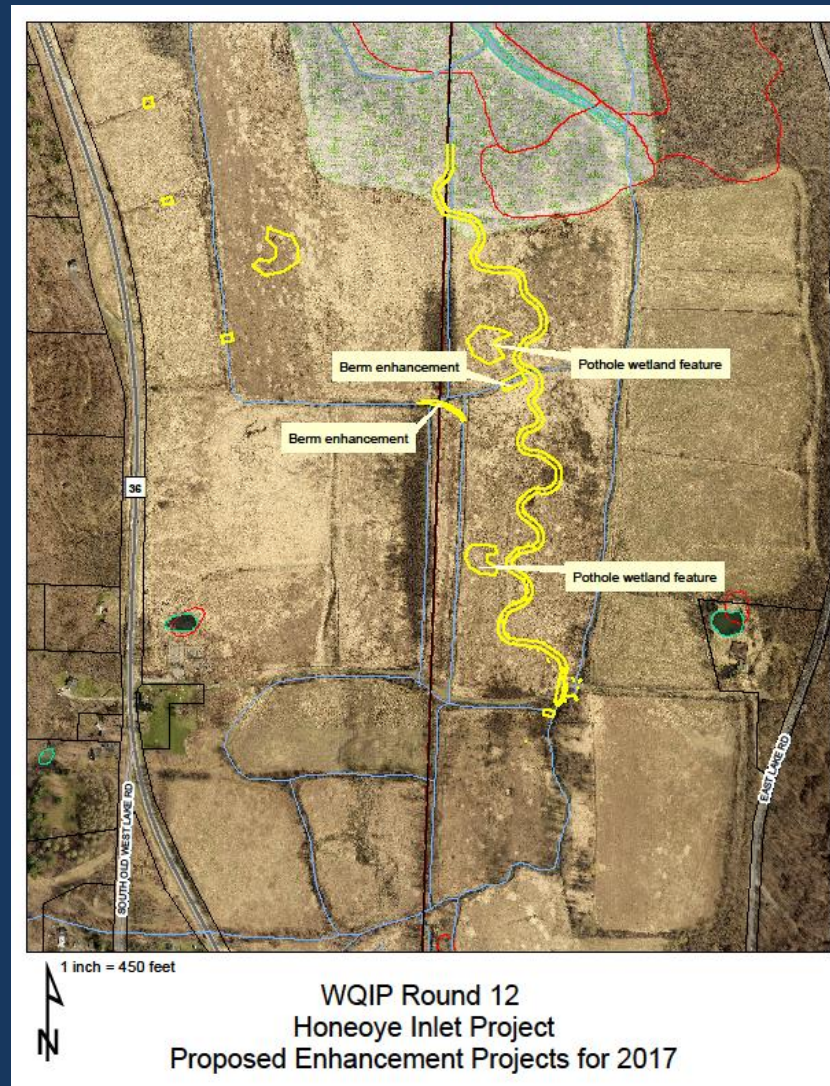




# NEXT STEPS



- Creation of Pothole Wetlands
- Plugging of Agricultural Ditches
- Enhancing Berms to Retain Runoff





# Ongoing Projects in the Honeoye Lake Watershed

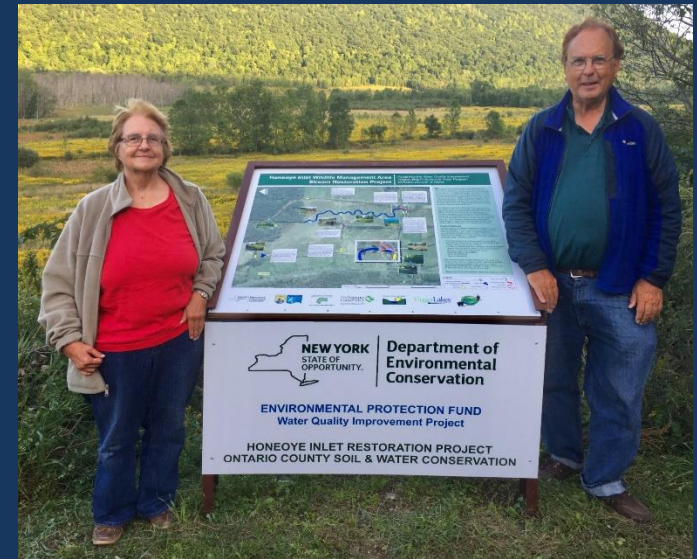




# Partners

Thanks to:

- Honeoye Lake Watershed Task Force
- Ontario County Soil and Water Conservation District
- NYS Dept of Environmental Conservation (including Trees for Tribes)
- USFWS
- The Nature Conservancy
- Finger Lakes Community College
- Honeoye Valley Association
- Princeton Hydro
- Community Volunteers





# Questions:

