

Kettle Lakes of Central NY

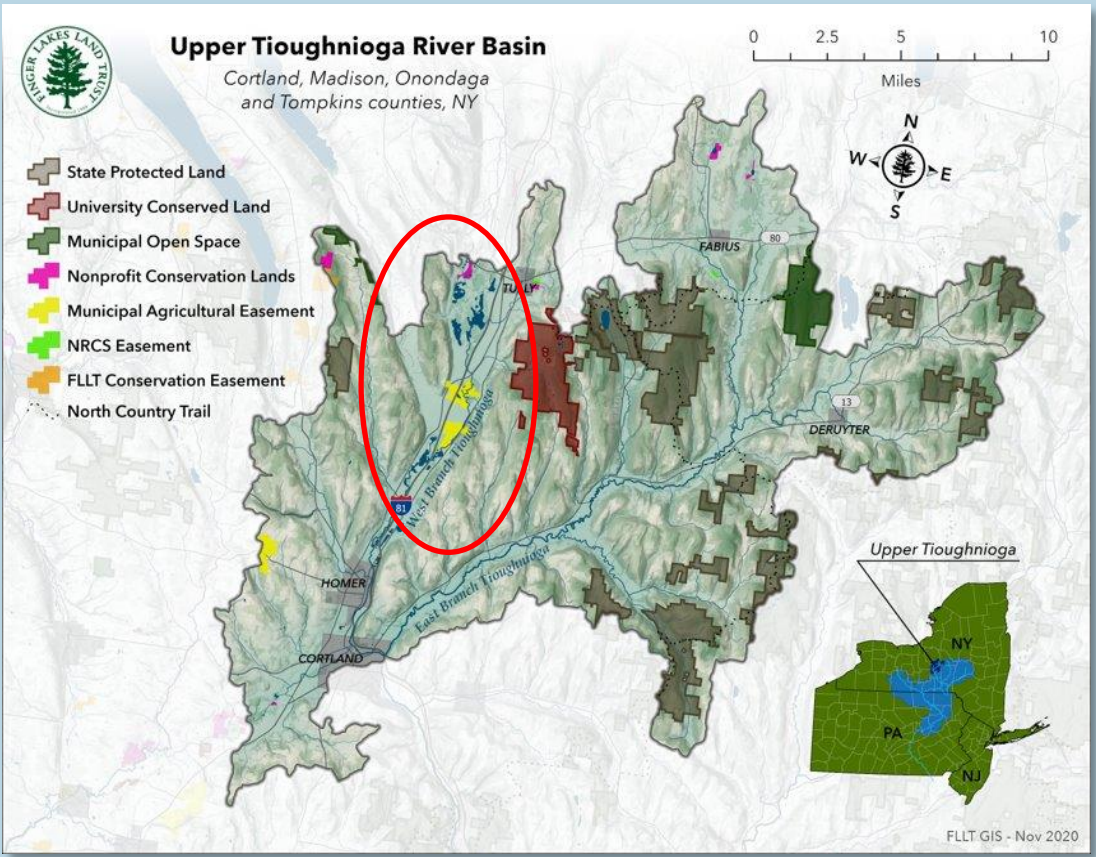
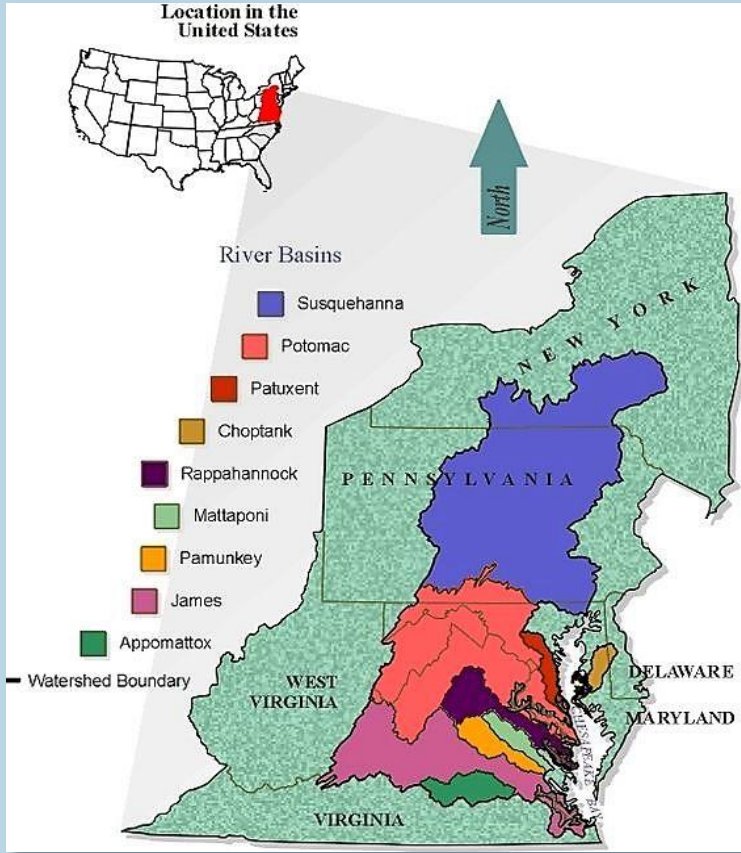


The Benefits of a Coalition

August 11, 2023

Tarki Heath, Colleen Zawadzki and Marie Ferro

Central NY Regional NYS Federation of Lake Associations Conference



Ecological Society of America: www.esa.org

Finger Lakes Land Trust: www.fltl.org

Kettle Lakes of Central NY



Crooked Lake



Little York Lake



Song Lake



Tully Lake



Tully Green Lake

New Watershed Partner

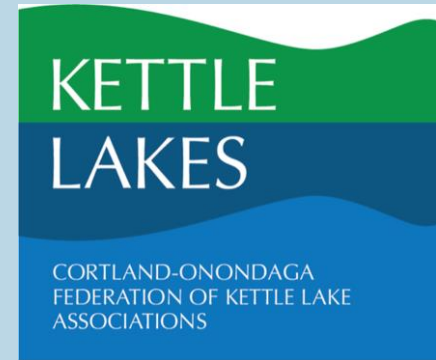
Recreational opportunities

Ecological diversity

Economic engine

Waterfront property is a significant portion of the tax base

Supports local tourism



Our Kettle Lakes

Shared Concerns

- Threats from a growing number of aquatic invasive species
- Climate changes-warming waters and intense storms
- Overabundant growth of plants and/or algae
- The proliferation of harmful algal blooms (HABs)
- Storm runoff from development and agriculture
- Education about and practical implementation of “Best Management Practices”
- Challenges of over development and Keyholing, where multiple properties use one lake access point
- Water quality issues having to do with dissolved oxygen, nutrients and/or water clarity
- **THREATS FROM CLIMATE CHANGE - FLOODING**

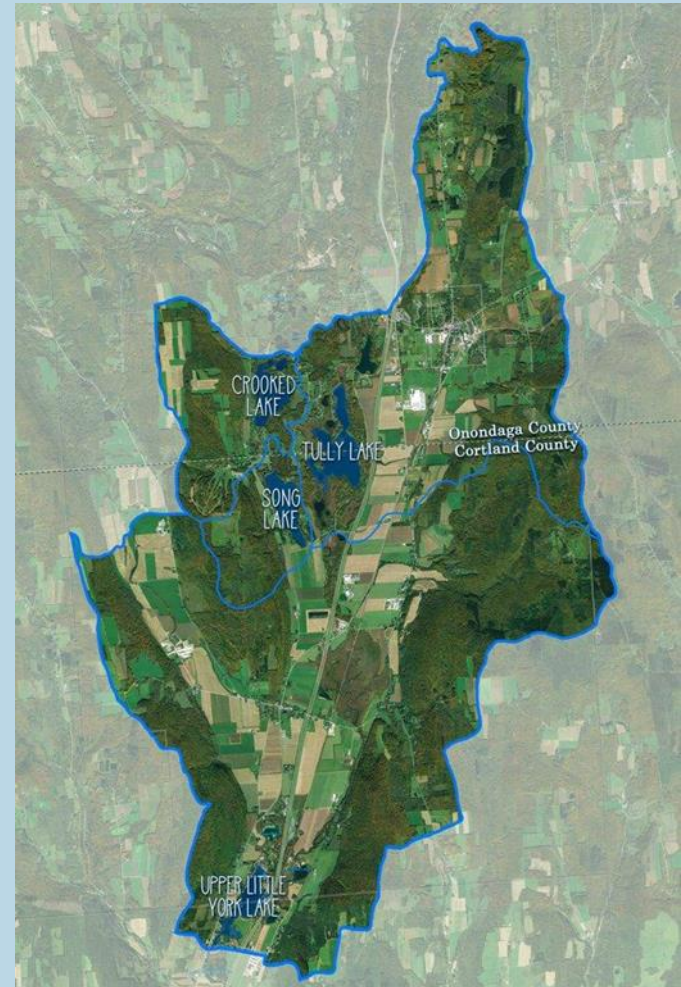


Photo Credit – Kettle Lakes Watersheds,
Upper Susquehanna Coalition

Four Kettle Lakes Working Together
Since 2009

Agencies and Institutions

- **Cortland County Soil & Water Conservation District**
- **Onondaga County Soil & Water Conservation District**
- **NYS DEC - Finger Lakes PRISM**
- Town of Tully
- Town of Preble
- US Fish and Wildlife (Chesapeake Bay Technical Capacity Grant)
- SUNY, College of Environment and Forestry
- SU- Environmental Finance Center
- NYS Department of Environmental Conservation

Other Groups and Individuals

- Tully Rotary
- Tully Arts Council
- Tully Action Group
- Tully United Community Church
- St. Charles Bay Cares
- The Cappa, Heath & Zawadzki Families
- AXI Digital

NFPs and Other Organizations

- **Upper Susquehanna Coalition**
- **NYS Federation of Lake Associations**
- **Upstate Freshwater Institute**
- **BloomOptix (AI development)**
- **NYS Water Resources Institute (Cornell)**
- CNY Land Trust
- Onondaga Earth Corps
- Princeton Hydro (Chesapeake Bay Technical Capacity Grant)
- Upper Susquehanna Conservation Alliance
- Freshwater Futures

A Few of Our Partners, Collaborators & Members



Outreach and Education

Cortland County Conservation Field Days
Water Festivals
Craft Show and Community Fair Tabling

Community Engagement

Kettle Lake Speakers Series
Art and Ecology
Educational Walking Tours

Collective Voice on Shared Issues

Preble and Tully Keyhole Ordinances
Implementing Best Management Practices



Shared Stewardship

All lakes participate in the Citizens
Statewide Lake Assessment
Program

Repository of Information

Website
Facebook



Working together to find solutions for common & individual lake issues.

- Education and outreach - Collaboration - Mutual support

Cortland County – Stop the Invasion

2016 – 2019 NYS DEC three year grant awarded to Cortland County Soil and Water Conservation District

Several steps to address AIS in Cortland County Waters

- Boat Stewards at public launch sites
- Improved Signage at sites
- A Series of educational programs for multiple age groups in and around the watersheds
- AIS Cleaning Station at Little York Lake



SUNY-Oneonta, NYSFOLA Watershed Management Award

2018 - 2019

Shared funding from SUNY Oneonta, NYSFOLA and COFOKLA to obtain watershed management plans for Crooked, Song and Tully Lakes

THE STATE OF THE LAKE REPORT AND
COMPREHENSIVE MANAGEMENT PLANS
FOR SONG LAKE, CROOKED LAKE AND
TULLY LAKE


Stradder C. Caves



Grants and Funding


Chesapeake Bay Technical Capacity Grant (\$50K)

National Fish
and Wildlife Funding for
Watershed
Implementation Plans for
all four COFOKLA Lakes.

**Tully Lake
Watershed Implementation Plan**
Town of Preble, Onondaga & Cortland Counties, New York

Prepared for:
Cortland-Onondaga Federation of Kettle Lake Associations
Attn: Ms. Tarki Health
1900 Rittenhouse Square
Tully, New York 13159

Prepared by:
Princeton Hydro, LLC
203 Exton Commons
Exton, Pennsylvania 19341
(P) 610 524 4220
(F) 610 524 9434
www.princetonhydro.com
*Offices in New Jersey, Pennsylvania, Maryland
and Connecticut*



October 2017

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Grant Administrator - Syracuse University - EPA
Environmental Finance Center

For the Cortland-Onondaga Federation of Kettle Lake
Assoc.

Grant Contract to Princeton Hydro (NJ)

Participation from Cortland County Soil & Water CD

LAKESHORE BUFFER



LAKESHORE BUFFER BENEFITS

- FLOOD PROTECTION
- PROTECTS WATER QUALITY
- TRAPS SEDIMENTS & POLLUTANTS
- STABILIZES BANKS FROM STORMWATER AND WAVE ACTION
- PROVIDES SHADE, WOODY DEBRIS, AND NUTRIENTS TO SHALLOW WATER ECOSYSTEMS
- PROVIDES WILDLIFE HABITAT AND WILDLIFE CORRIDORS
- PROVIDES AESTHETIC, RECREATIONAL, EDUCATIONAL, RESEARCH OPPORTUNITIES
- LANDSCAPING WITH NATIVE PLANTS MITIGATES THE LOSS OF NATURAL SHORELINE BUFFER

Source: Mr. Josue Cruz

Grants and Funding



Project Partners - Planting at dual properties at Sunfish Bay-Identified in WIP, Removing Tire Retaining Wall on Hoffman Road, and Planting 600 Trees Across the Trib from Tully Waste Treatment Plant

- Cortland – Onondaga Fed. of Kettle Lake Assoc.
- Onondaga County Soil and Water Conservation District Tully Lake Property Owners Association
- Upper Susquehanna Coalition
- Onondaga Earth Corps
- Earth Designs Landscaping and Consulting



Kettle Lakes of Central NY

Year One



Year Two



Year Three

Plan Objectives

- Provide a rapid and coordinated response to large-scale storm events to ensure the health and safety of residents of our Kettle Lakes community
- Preserve and protect the water quality of our Kettle Lakes



Kettle Lakes Storm Response Website and Facebook Page

<https://www.kettlelakesstormresponse.org>

Funding for website development through The Freshwater Institute

Kettle Lakes Association Website and Facebook Page

<https://www.kettlelakesassociation.org/>

Kettle Lakes Storm Response Plan

Flood Awareness

My Coast

mycoast.org/ny

Participation – Tools to track flooding and document storm damage
NYS Water Resources Institute (Cornell) and Sea Grant NY

Submerge NY

Project Development – A state-wide pilot flood-risk awareness and outreach effort that aims to assist local communities in communicating flood-risk creatively through visual markers and public art.

NYS Water Resources Institute (Cornell) and Sea Grant NY

Invasive Species Awareness

Tully Rotary Grant Application for AIS Intervention

Current Action Items



www.kettlelakesassociation.org
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