



# Cattaraugus Creek Integrated Watershed Action Plan

Watershed Stakeholder Committee  
Meeting #1

November 10<sup>th</sup>, 2021



Department of  
Environmental  
Conservation

**RAMBOLL**

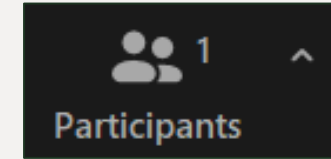




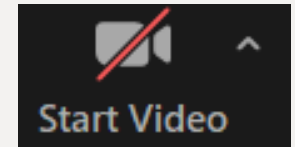
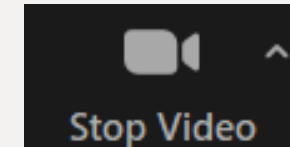
# Welcome!

## Reminder of Zoom Controls

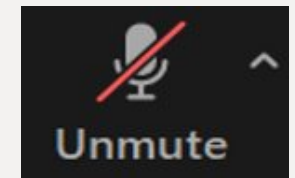
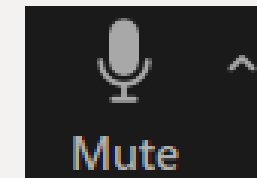
You are not alone! Shows participants in meeting- let us know if anyone is missing to include in future discussions.



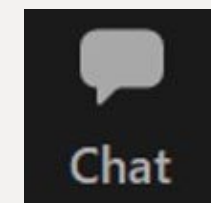
Toggle whether your **video** is on or not. Limiting video use can optimize performance.



Toggle whether you are **muted** or not. Keep yourself muted when not speaking.



Look for **links** and share **questions** or **comments** in the chat





# Ice Breaker

## ***In the Zoom Chat:***

- Please share your name and affiliation
- Question: *What is your favorite place or thing about the Cattaraugus Creek Watershed?*



# Today's Speakers



Liz Moran  
President  
EcoLogic LLC



Shannon Dougherty  
Great Lakes Watershed  
Coordinator  
NYSDEC



Tony Eallonardo  
SME/Technical Manager  
Ramboll



Andrew Brainard  
Aquatic Ecologist  
Ramboll





# Meeting Agenda



**Introduction to Integrated Watershed Action Plan (IWAP)**



**Watershed Stakeholder Committee**



**Ecosystem Values and Benefits**



**Look & Listen Tour**



**Discussion and Interactive Feedback**



**Closing Remarks and Next Steps**





# Introduction to Integrated Watershed Action Plan (IWAP)

*Shannon Dougherty (NYSDEC)*


- Project background
- Great Lakes Action Agenda (GLAA)
- Ecosystem-Based Management (EBM)



# NY's Great Lakes Action Agenda (GLAA)





**NEW YORK'S GREAT LAKES BASIN:  
Interim ACTION AGENDA**



Coordinated by  
New York State Department of Environmental Conservation  
Great Lakes Watershed Program

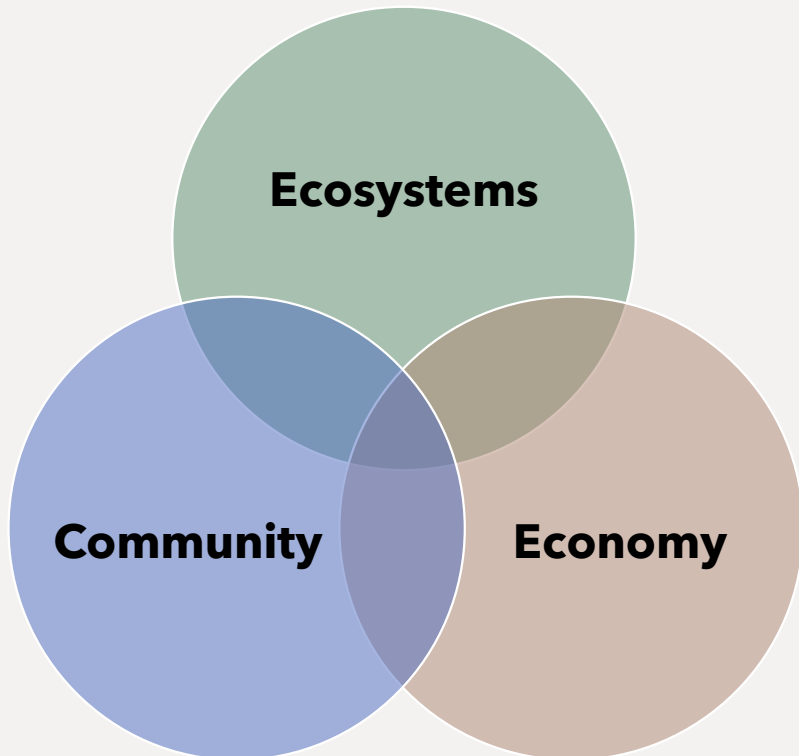
*In partnership with state and federal agencies, municipalities, academic institutions,  
non-profits, and community partners throughout NY's Great Lakes basin*



Matthew J. Corman, Governor John F. Thompson, Commissioner

# Ecosystem-based Management (EBM)

*A systems approach that strives to balance the needs of people, nature, and the economy through science-based decision making*



- ✓ Place-based
- ✓ Protection of ecosystem structure, function and key processes
- ✓ Interconnectedness within and among systems
- ✓ Integration of ecological, social, economic and institutional perspectives
- ✓ Sustainable human uses of the ecosystem
- ✓ Stakeholder involvement & collaboration
- ✓ Scientific foundation for decision-making
- ✓ Adaptive Management



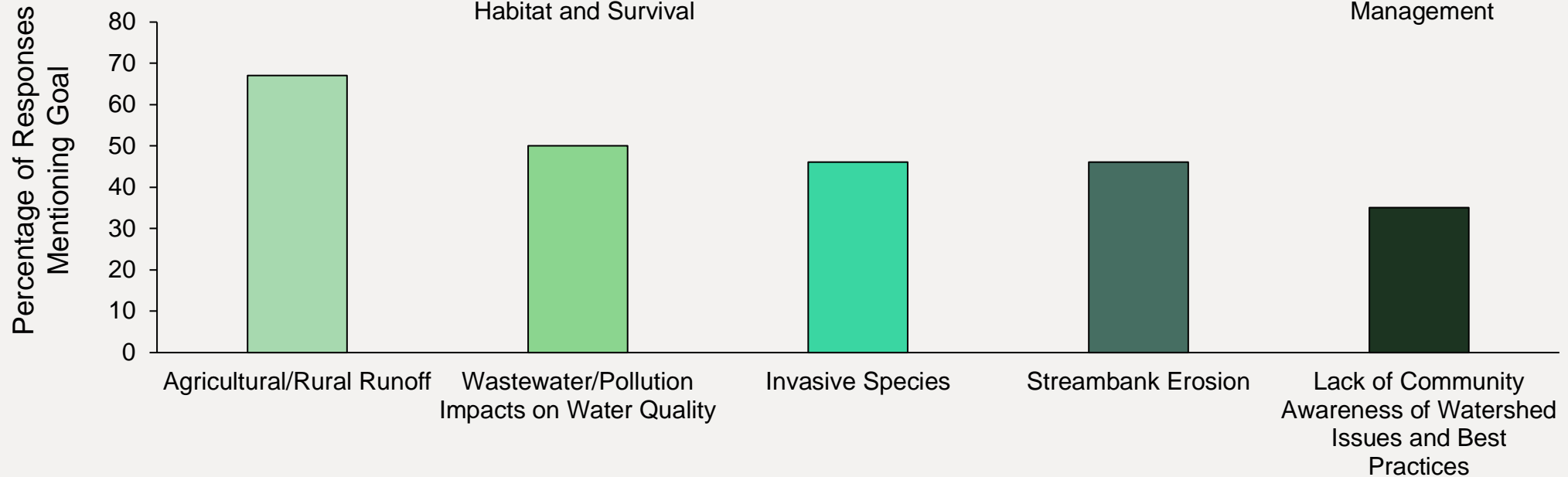
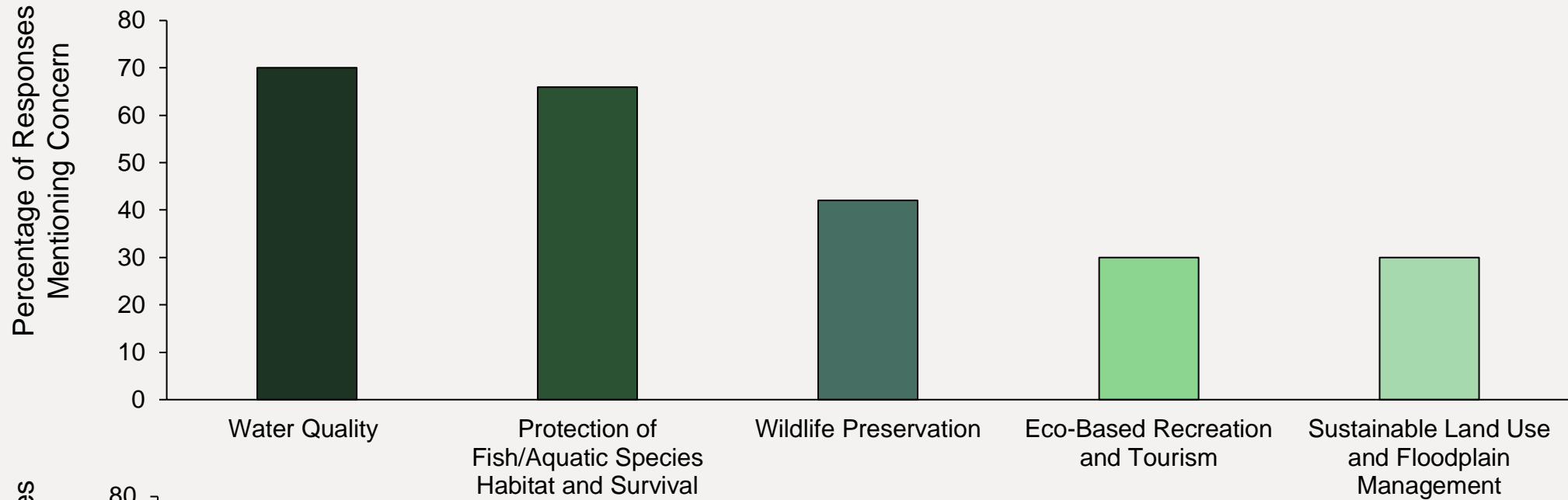
# Why Cattaraugus Creek Watershed?

- Keep it healthy!
- Key opportunity areas: water quality & erosion, flooding, outdoor recreation, native species protection, fishing, etc.
- Strong foundation of planning and partnerships
- Largest NY tributary to Lake Erie



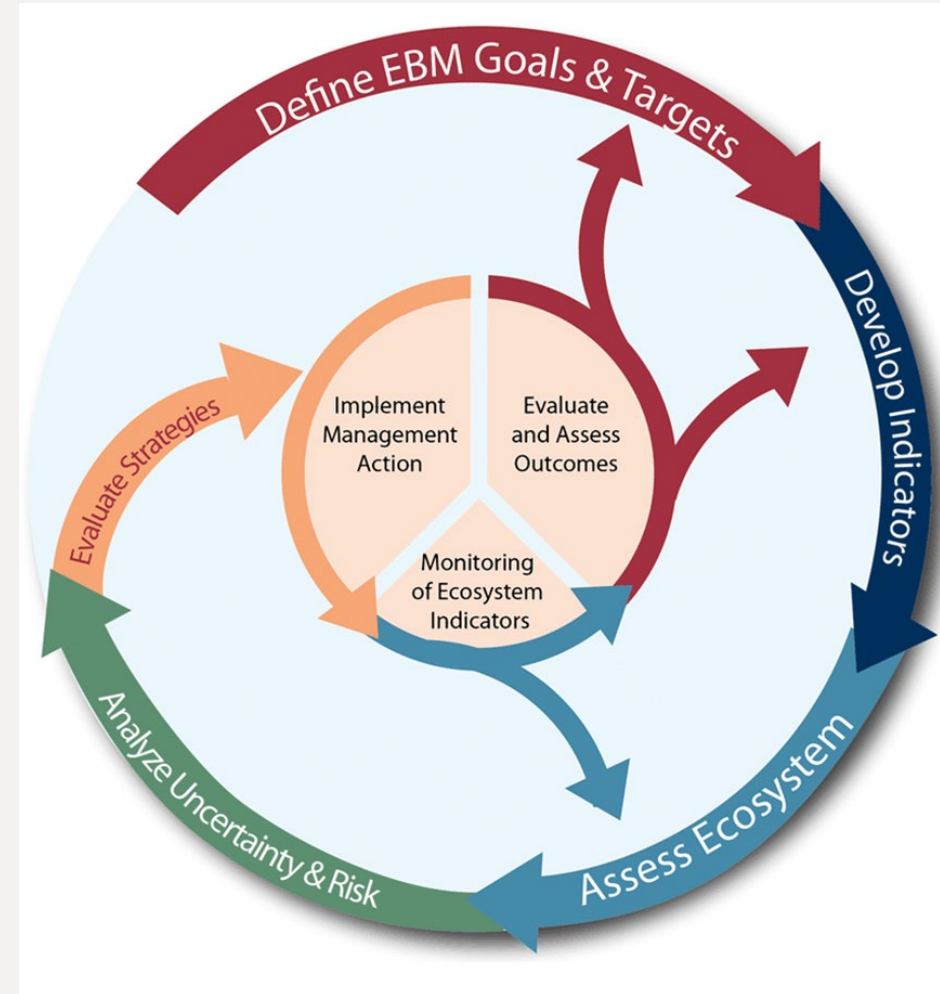


# Watershed Interests and Threats - 2018 Stakeholder Survey



# Integrated Watershed Action Plan (IWAP)

- Improve shared **understanding and values** of the Cattaraugus Creek watershed and the ecosystem services we all benefit from
- Develop **indicators of ecosystem benefits** (e.g., water quality, recreation, forest health, habitat & connectivity) to track progress
- Identify “**best bet**” **management actions and projects** that maintain ecosystem services
- Increased **local community involvement, partnerships** and **funding opportunities**

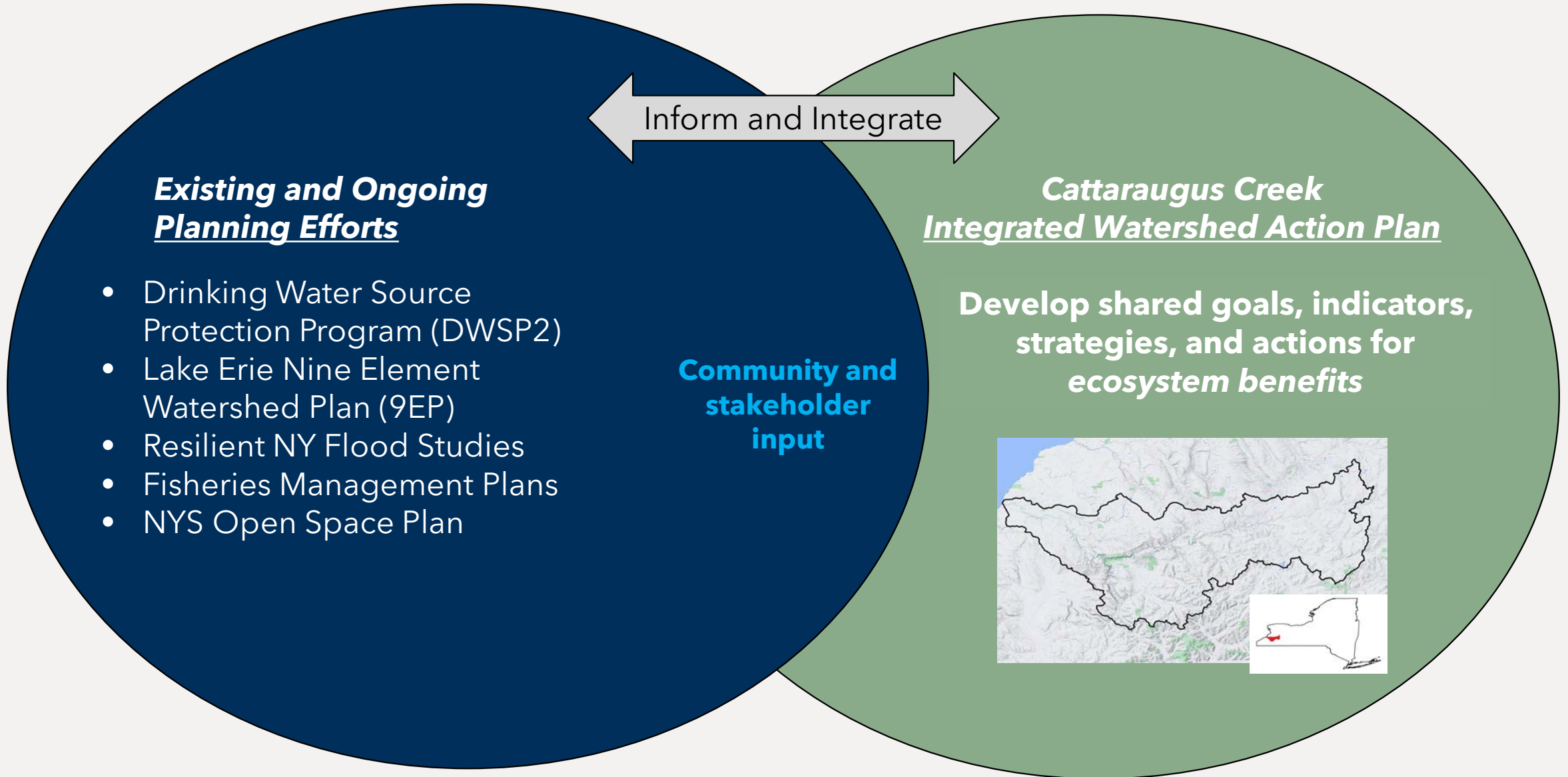


*Healthy, resilient ecosystems for communities into the future!*



# IWAP - Potential Outcomes & Actions

- Identify key areas to protect drinking water sources, restore fish & wildlife habitat, forest management best practices, implement nature-based flood mitigation, etc.
- Highlight priority areas for nutrient and sediment best management practices
- Identify strategies to enhance sustainable outdoor recreational opportunities
- Restore and revitalize community “waterfronts”
- Create climate resilient land use planning and zoning recommendations





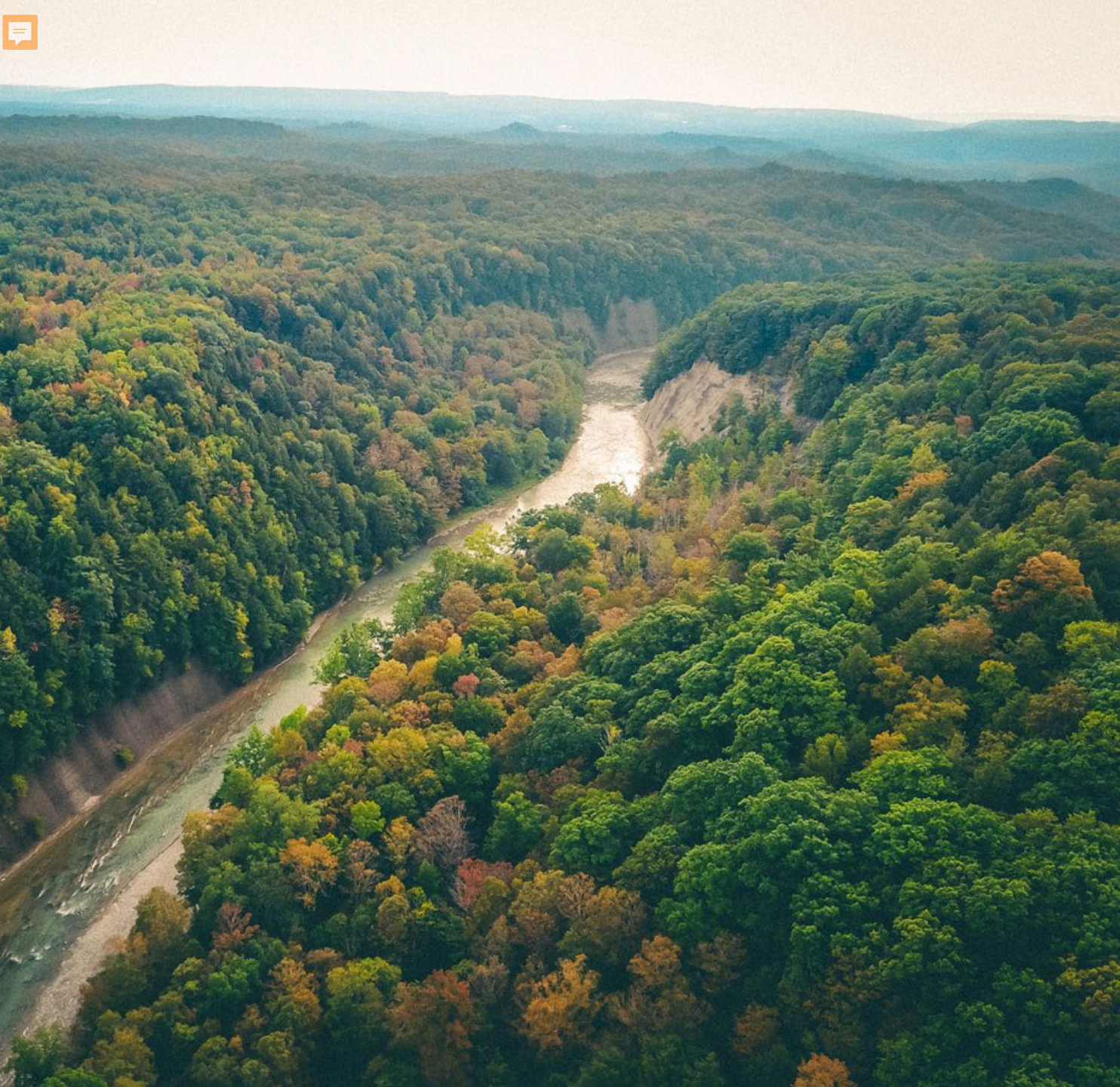
# Watershed Stakeholder Committee (WSC)

*Liz Moran (EcoLogic LLC)*

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- Roles
- Schedule
- Logistics



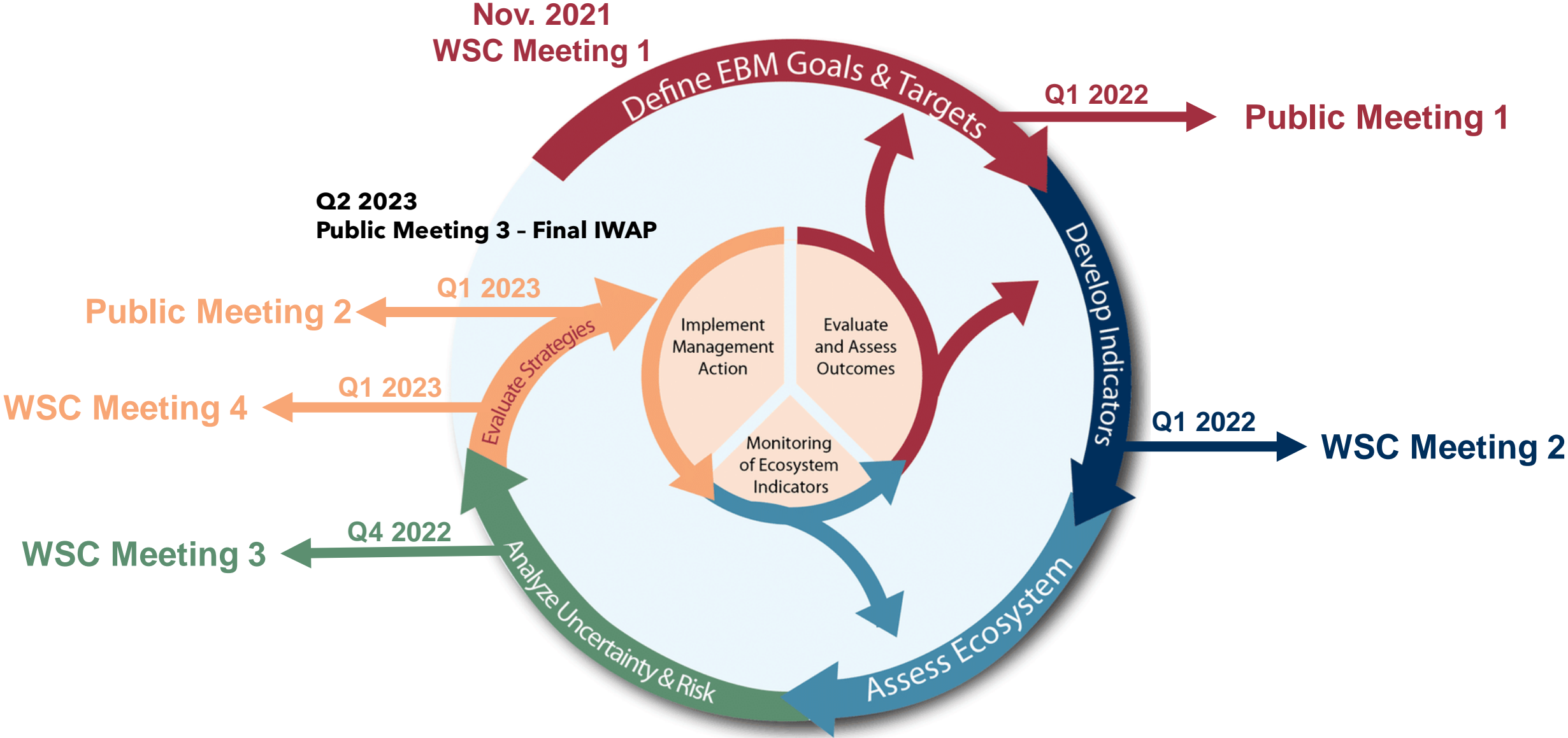


# Watershed Stakeholder Committee

- Local **experts** (personal experiences, knowledge of area)
  - Need information about specific areas
- Members from various backgrounds with different specialties



# Expectations and Overall Schedule





# Ecosystem Values and Benefits

*Andrew Brainard and Tony Eallonardo (Ramboll)*

- Ecosystems support ecological, social, and economic well-being
- Value of watersheds



# Values and Benefits

***Ecosystems provide MANY benefits to us!***

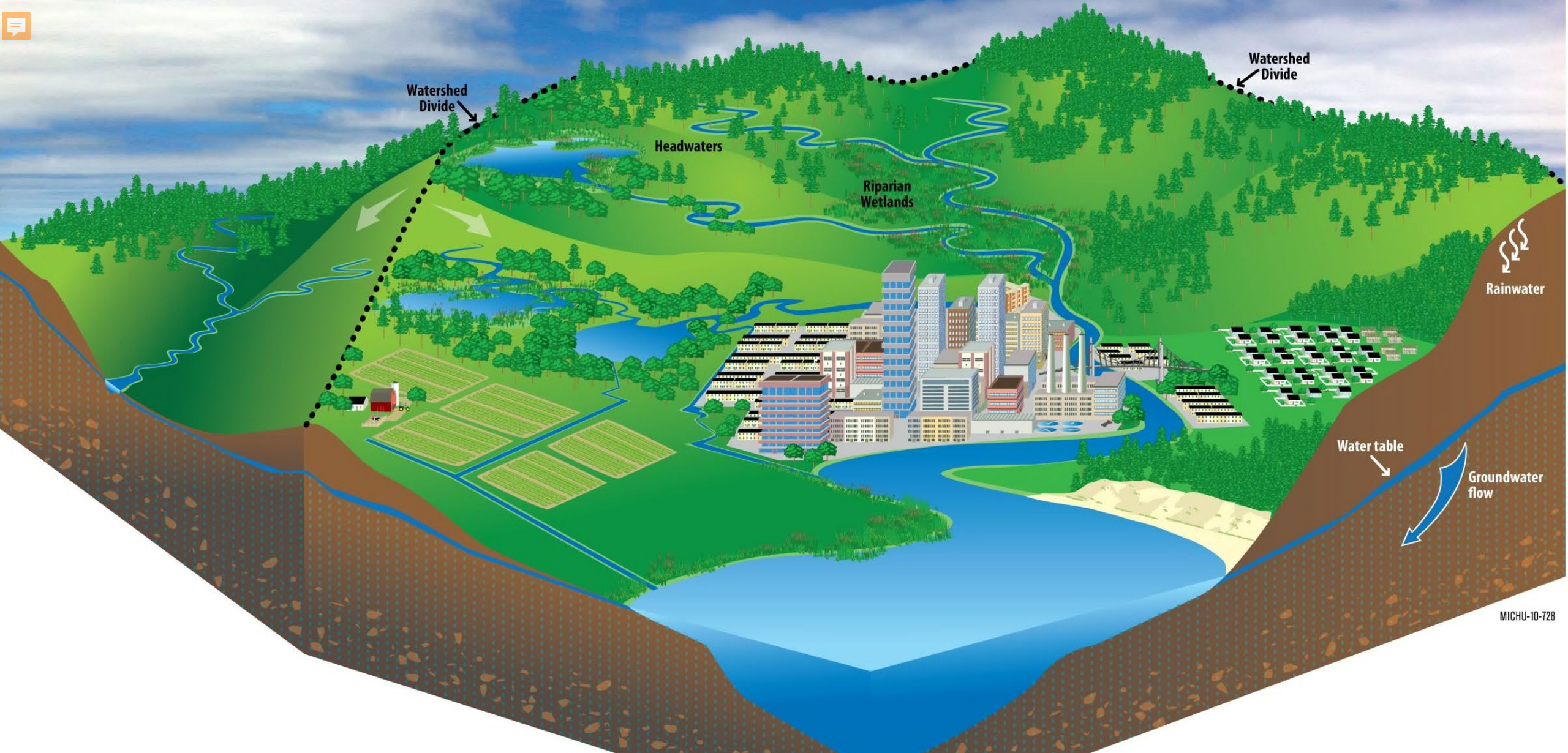
## **Direct benefits:**

- Fresh water
- Food (e.g., crops)
- Raw materials (e.g., timber)
- Medicinal resources
- Aesthetics
- Recreation
- Scientific discovery
- Educational value
- Energy

## **Indirect benefits:**

- Habitat formation
- Climate regulation
- Nutrient cycling
- Disturbance regulation (e.g., flood protection)
- Soil formation / retention
- Primary production
- Carbon sequestration
- Pollination
- Purification of air

***Types and extent of benefits depend on scale and setting ...***



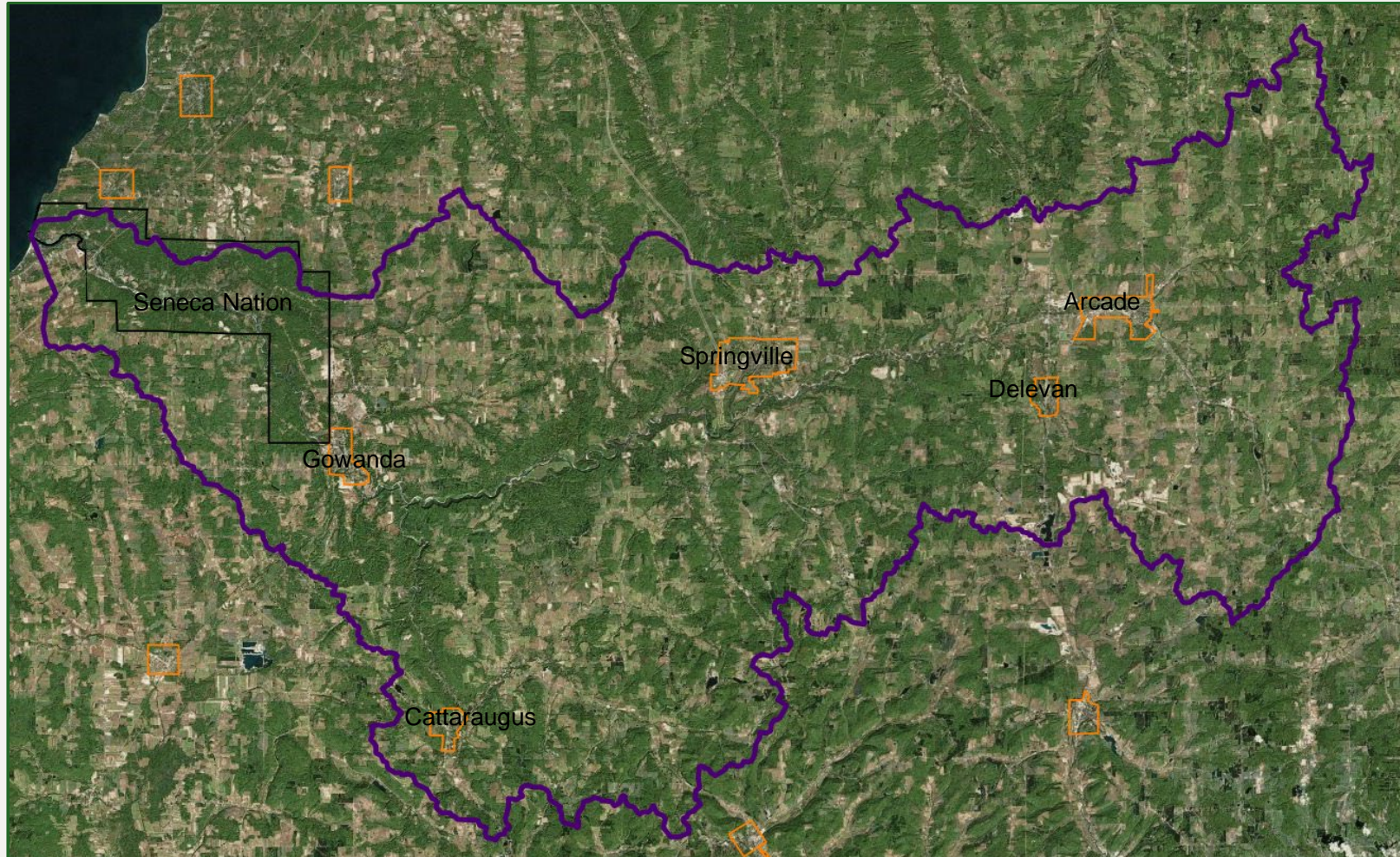
MICHU-10-728

**Watersheds** *an area or ridge of land that separates waters flowing to different rivers, basins, or seas*



# Watershed Look and Listen (L&L) Tour

Opportunity to inform us about your values and concerns!





# Discussion and Interactive Feedback

*Liz Moran (EcoLogic LLC)*

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➤ Google JamBoard





# Google JamBoard

**Interactive Feedback:**

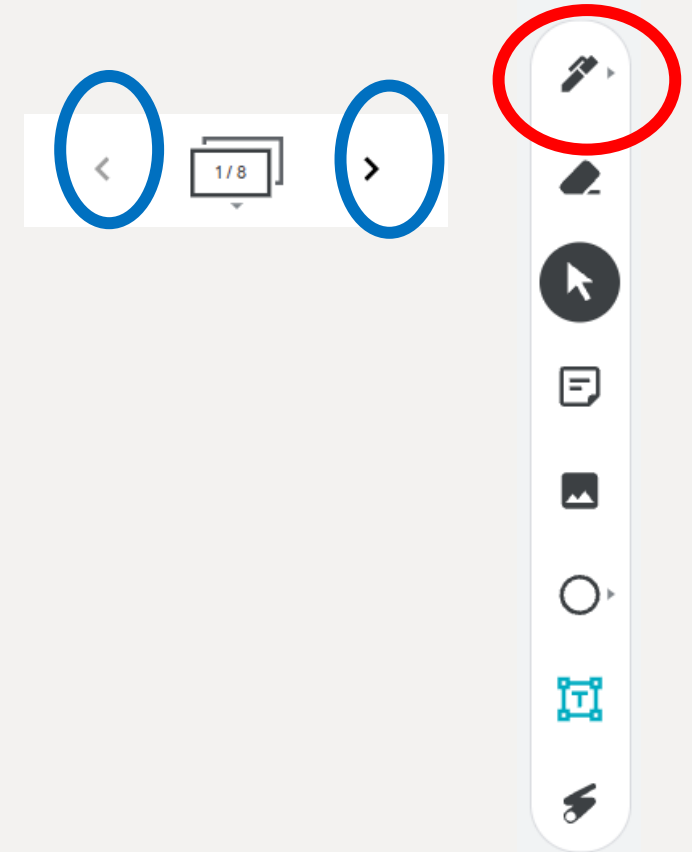
*What priorities and goals would you like us to focus on in developing the IWAP for the Cattaraugus Creek Watershed?*



# Google JamBoard

## How to use JamBoard:

- Click on the link provided in the Zoom chat:  
[https://jamboard.google.com/d/1-tUmN2VKTBOjFYILDc-WRQYxHBDKWoktEUTwKQ\\_t5yg/edit?usp=sharing](https://jamboard.google.com/d/1-tUmN2VKTBOjFYILDc-WRQYxHBDKWoktEUTwKQ_t5yg/edit?usp=sharing)
  - To navigate through the frames, click on the **arrows** located on the top of your screen
  - To comment, click on **sticky note icon** on the left side of your screen
    - ✓ Type your comment, then press save to post your comment on the slide
- JamBoard will remain open for a week after this meeting to allow time for comments and feedback



**Thank you!**

Final questions or comments?

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