



Southern Tier New York Susquehanna Basin Monitoring Collaborative

2025 Watershed Forum
Binghamton University

Beaver Creek State Park, Madison County, NY



Your River.

Our Mission.

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Why was The Collaborative formed?

- Clean Water Act, Section 604b funding awarded by NYSDEC in 2023 for water quality management planning activities
- One of those activities is the identified need for targeted surface water monitoring to support statewide water quality reporting
- 604b grant opportunity open to regional/interstate organizations with monitoring and coordination experience
- Susquehanna River Basin Commission applied to lead regional efforts to support this need

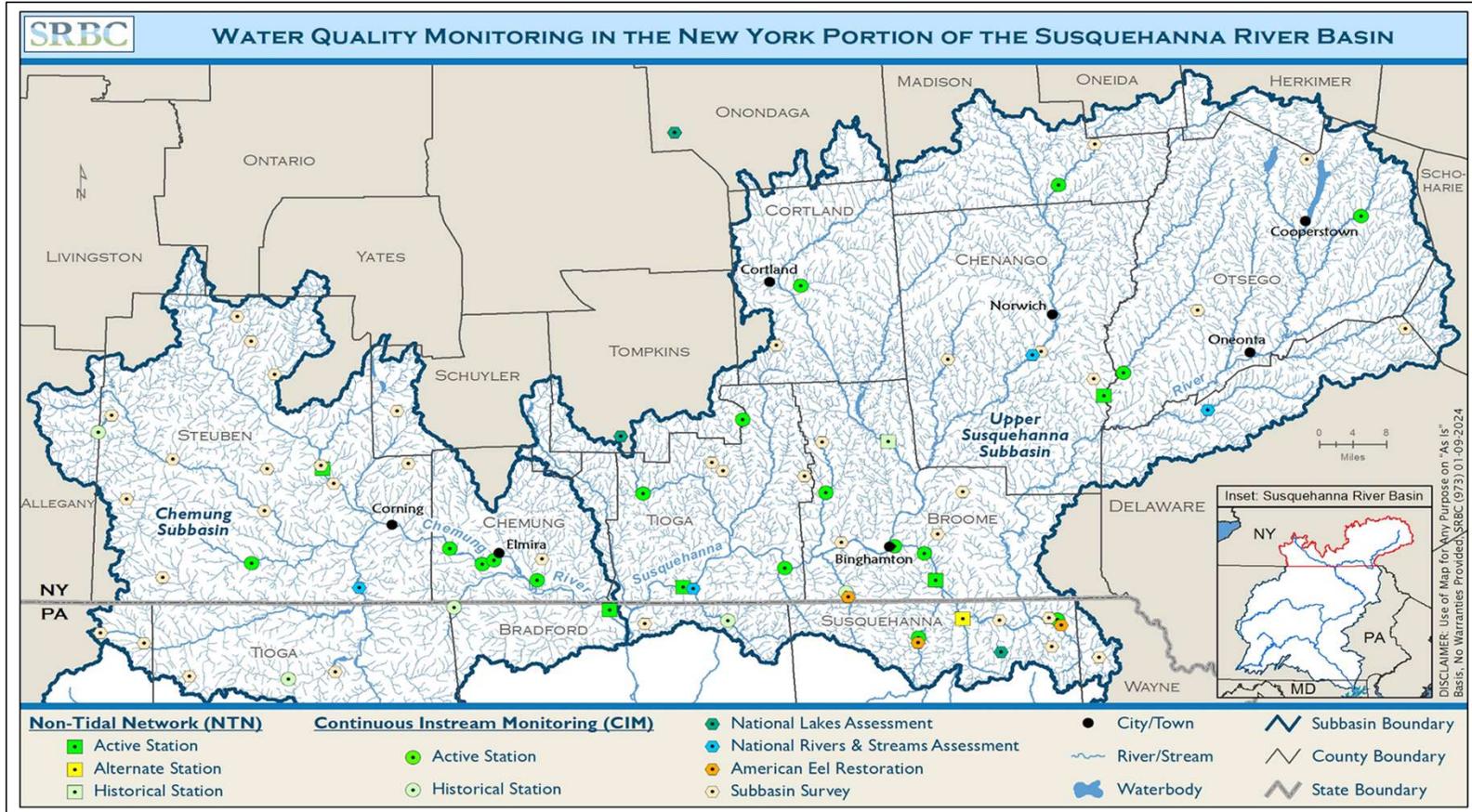
SRBC Programs

Mission: Enhancement of public welfare through comprehensive planning, water supply allocation, and management of the water resources of the Susquehanna River Basin

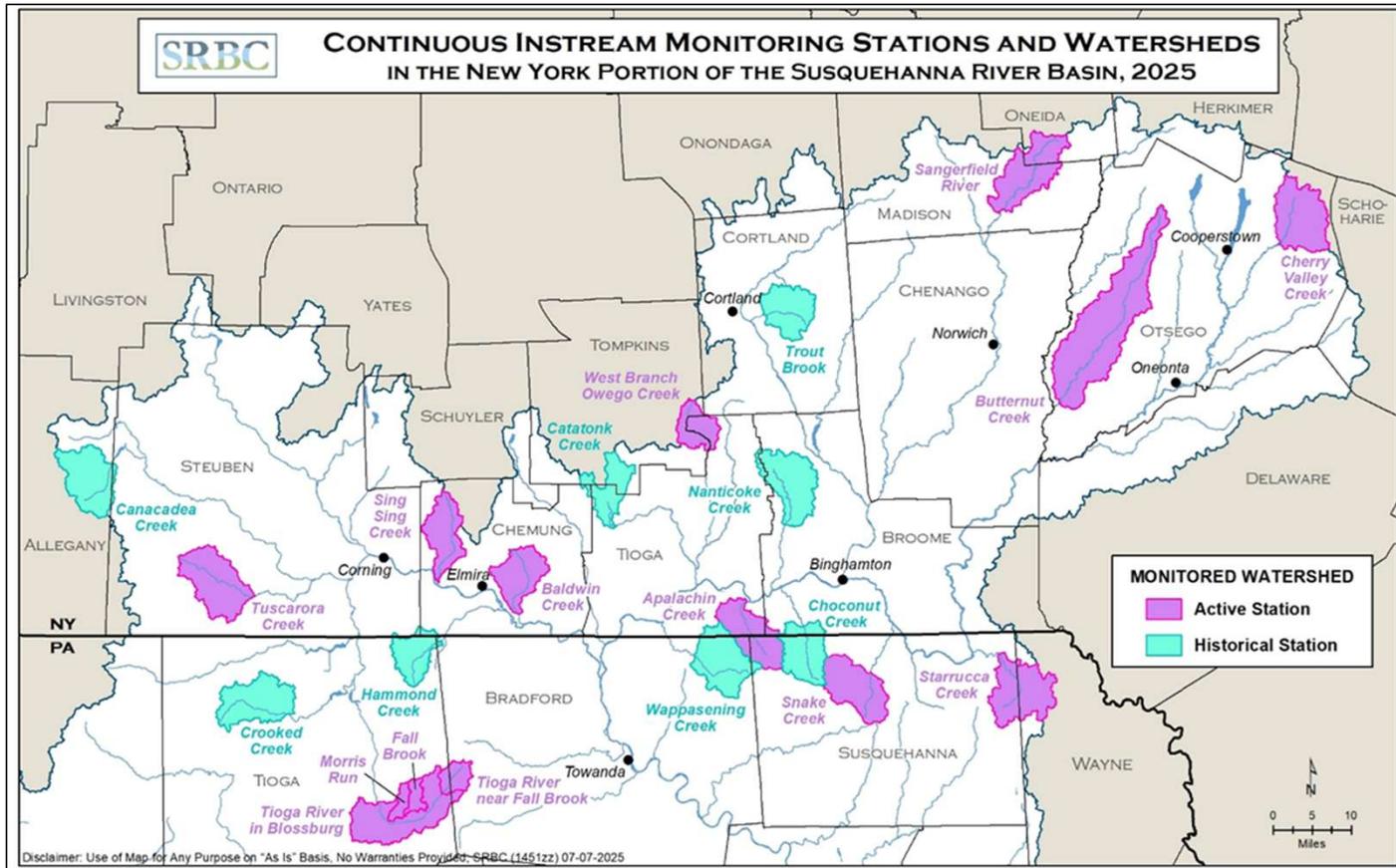
- **Water Supply-** Regulate large water users and consumptive use losses
- **Water Quality-** Monitoring physical, chemical, and biological indicators of stream health
- **Flooding & Drought Resilience-** Enhancing community response to extreme weather events
- **Watershed Management-** Comprehensive planning for sustainable watershed health



SRBC Projects in the Region

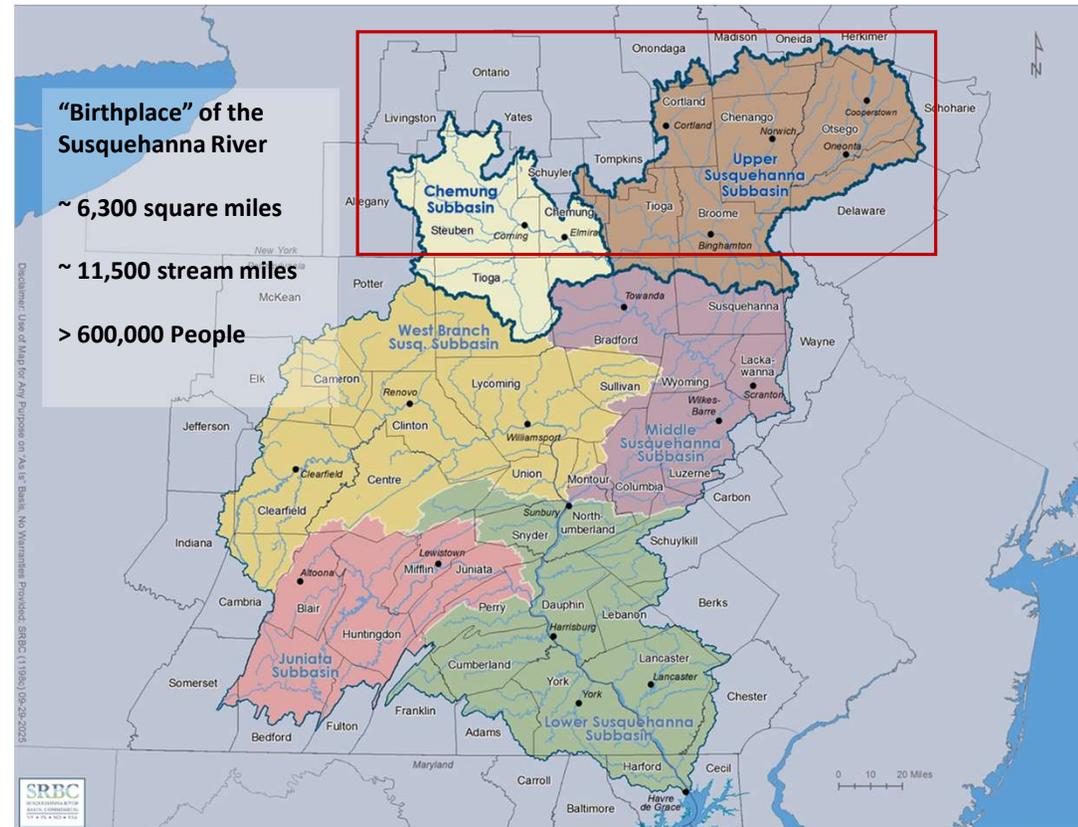


SRBC Projects in the Region



What is “The Collaborative”?

- Regional apparatus for coordination of monitoring activities
- Support stakeholder activities that share common goals of protecting and enhancing water quality
- Inter-organizational group
- 5 years (AUG 2023-JUL 2028)



Who is “The Collaborative”?



Steering Committee Members

Chair  Technical Liaison

Partners



"Serving Chemung, Schuyler and Steuben Counties"



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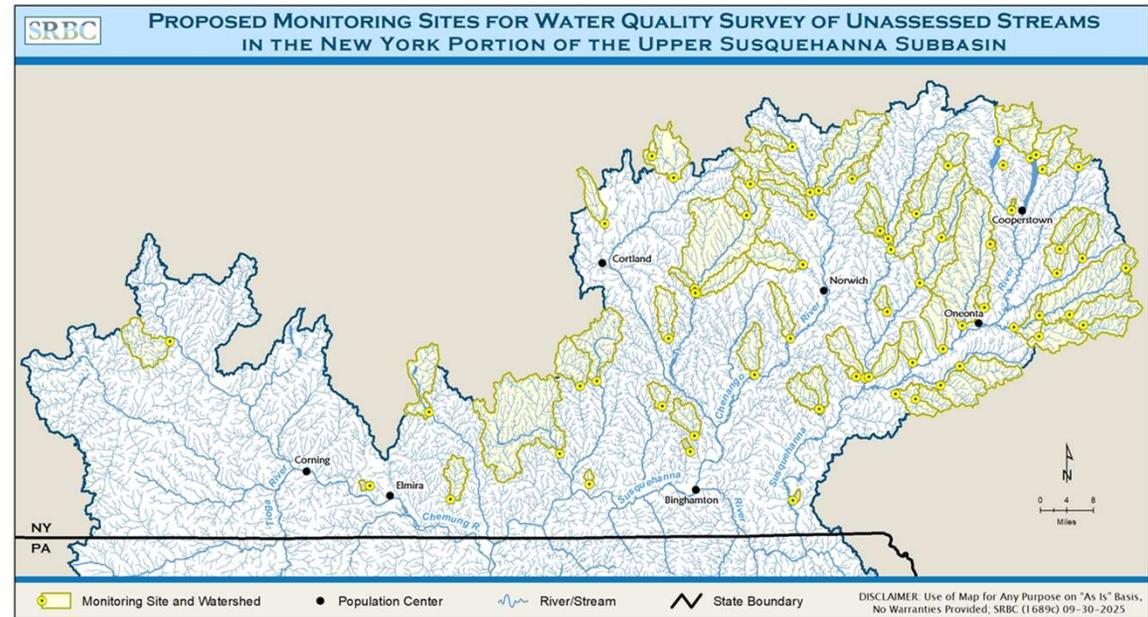
Collaborative Tasks

1. Support New York State Integrated Reporting Goals
2. Support Local and Regional Goals
3. Support Chesapeake Bay Restoration Goals
4. Assess a Stormwater Management Practice



Task 1: Support New York State Integrated Reporting Goals

- 67 Potential Unassessed Segments
- AA, A, B, C(T)/(TS) Classifications
 - “protected streams”
- Collect Tier 3 data in 2026 & 2027
 - Led by SRBC
 - Water Quality (Lab-analyzed and in-situ)
 - Macroinvertebrates
- Exact number of sampled segments determined in Winter 2026

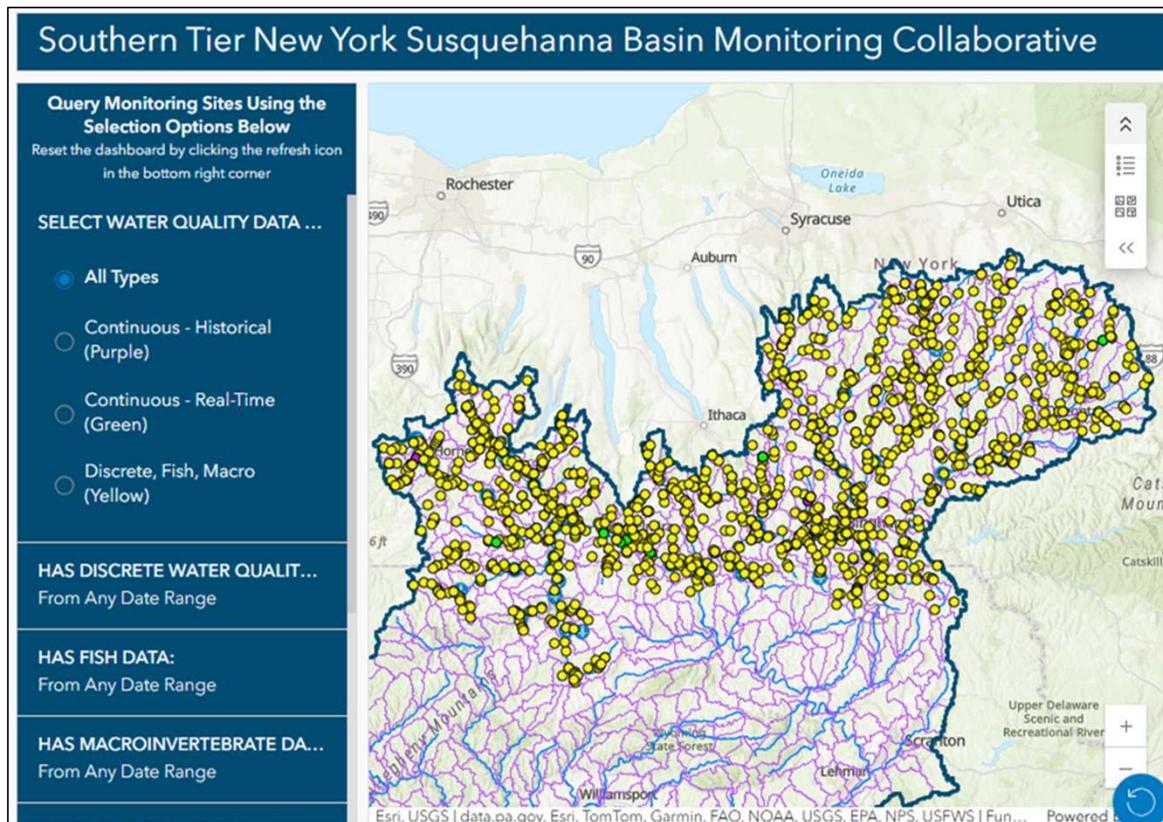


Task 2: Support Local and Regional Goals

- Identified through monthly Partner meeting discussions

Monitoring Site Dashboard

- Need for centralized database of monitoring activities
 - Surface Water
 - Continuous & Discrete WQ
 - Fish and Macroinvertebrate
 - Federal, State, Local
 - Community Science



[Link to Monitoring Dashboard](#)



Task 2: Support Local and Regional Goals (tentative)

Southern Tier 8- Identified Priorities

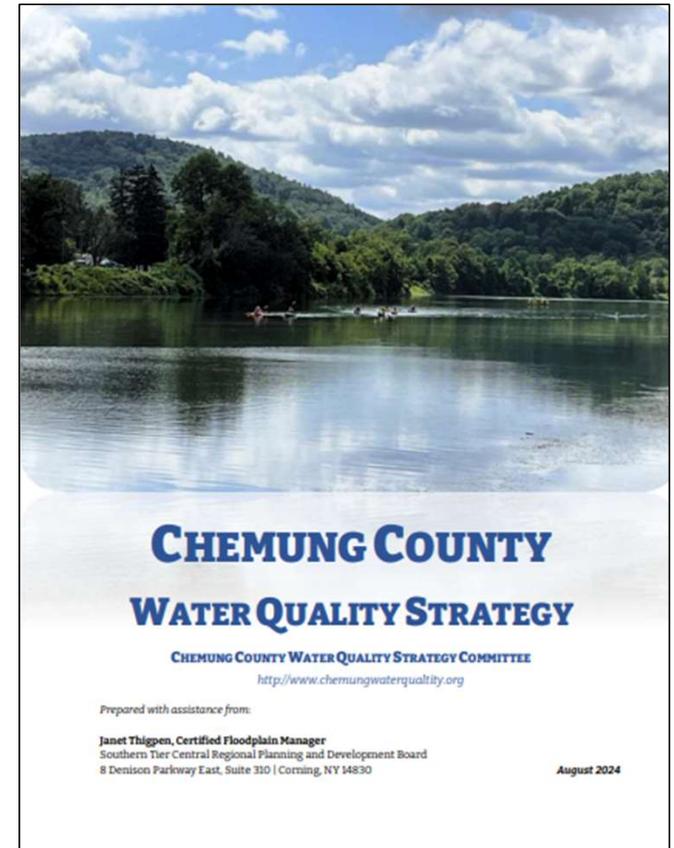
- Otsego Lake ☒ Water quality and lake level management concerns, possible WQ data collection on tribs to complement Nine Element Plan (9E) (in development)
 - Otsego Lake Watershed Supervisory Committee
 - Village of Cooperstown, NY
 - SUNY Oneonta Field Station
- Increased community science engagement/ monitoring to complement the Broome/Tioga Stormwater Committee
- Industrial areas and outfall monitoring



Task 2: Support Local and Regional Goals (tentative)

Southern Tier Central- Identified Priorities

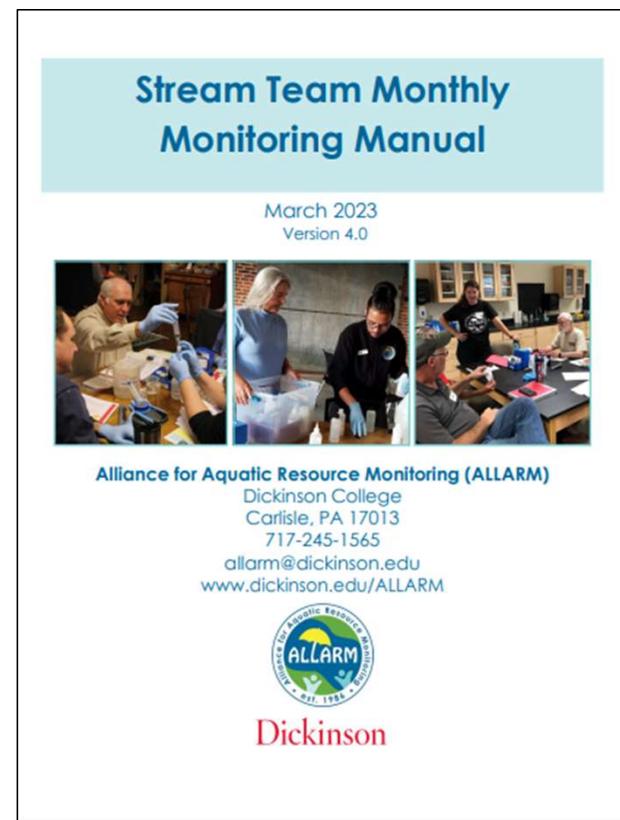
- Water Quality Coordinating Committees (Steuben, Chemung, and Schuyler counties)
- Local interest in PFAS used in biosolid land application, fire fighting training centers, airports
- Reservoir monitoring-WQ data collection on tribs to Hornell and Elmira Reservoirs



Task 2: Support Local and Regional Goals (tentative)

- **ALLARM- Identified Priorities**

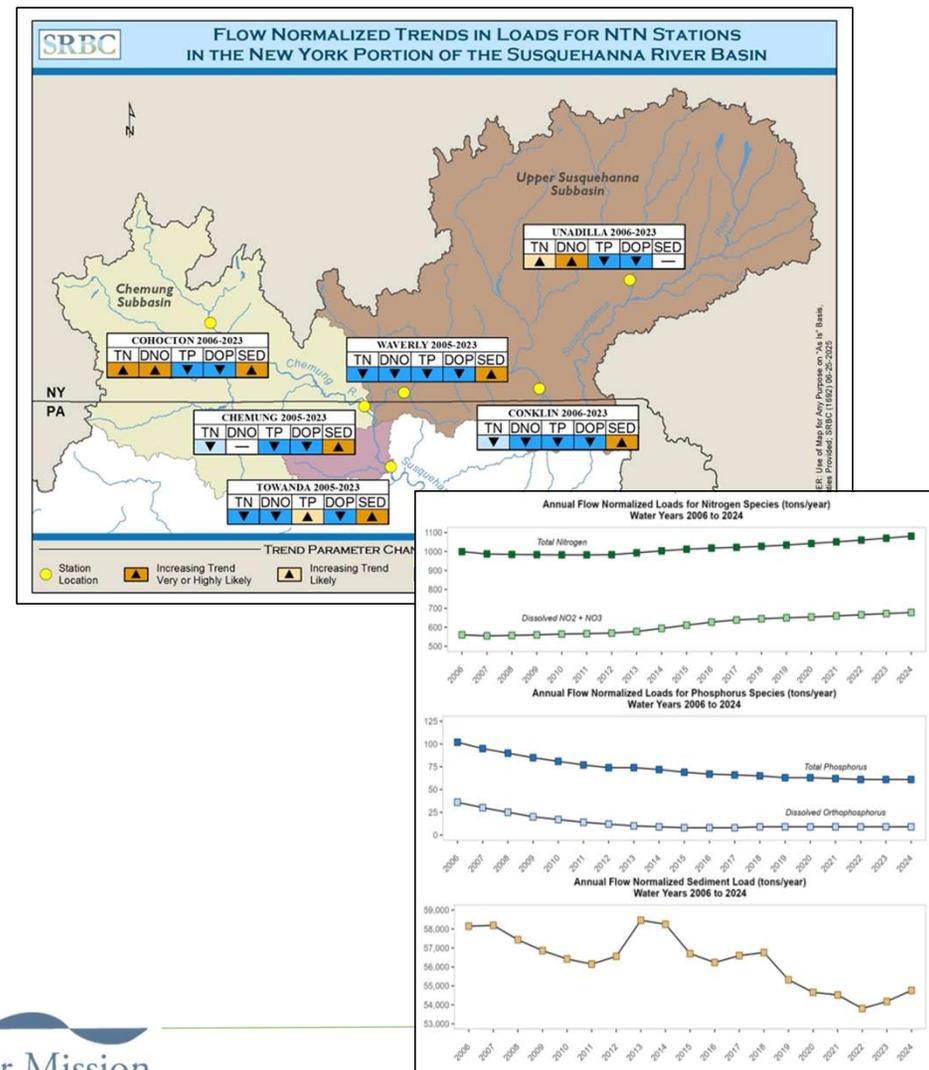
- Support and strengthen work with existing community science partners
 - Otsego County Conservation Association
 - Community Science Institute
 - NY Water Sentinels
 - Chemung River Friends
- Establish Stream Team/community science program in Chemung, Broome, & Tioga counties
- Tier 2 Macroinvertebrate Monitoring



Task 3: Support Chesapeake Bay Restoration Goals

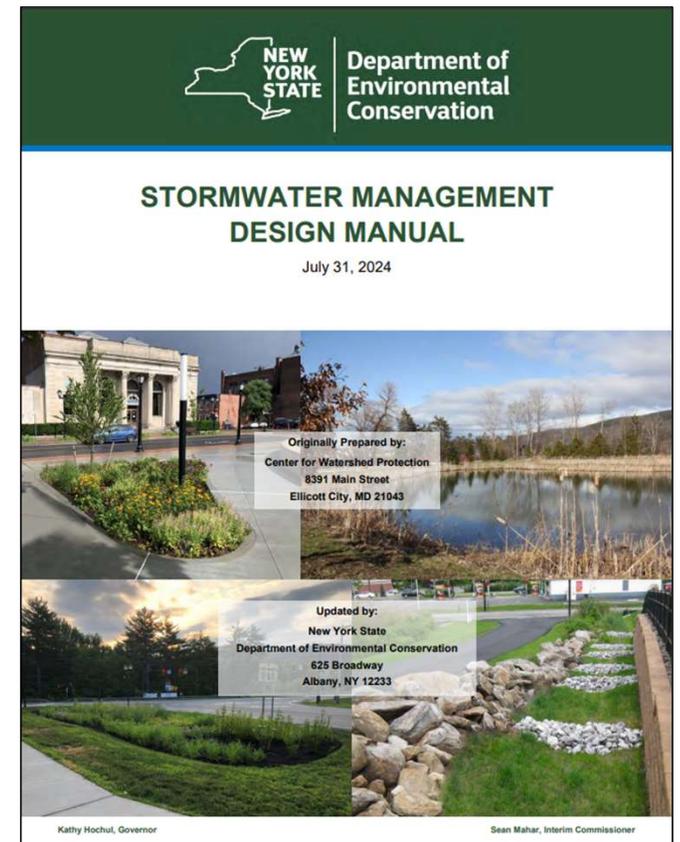
Comparative analysis of Sediment and Nutrient Trends

- Nontidal Water Quality Monitoring Network (NTN) sites
 - Five in New York (Unadilla @ Rockdale, Susquehanna @ Conklin, Susquehanna @ Waverly, Cohocton @ Campbell, Chemung @ Chemung)
 - One in Pennsylvania on Susquehanna @ Towanda (below Chemung and Susquehanna confluence)
- 2005-2024, with annual updates
- Will be posted soon on Collaborative website



Task 4: Assess a Stormwater Management Practice (SMP)

- Develop targeted monitoring plan (*in progress*)
- SMPs currently being researched:
 - Village of Endicott
 - Underground storage system, built in 2019
 - Waterman's Conservation Center (Apalachin, NY)
 - W.I.S.E. Project, built in 2021/2022
 - Roberson Museum & Science Center (Binghamton, NY)
 - Proposed green infrastructure practices
- **Open to other candidates**



Next Steps

- Finalize submitted QAPP for Task 1 (Unassessed Streams)
 - Monitoring in 2026 and 2027
- Further discussion for Task 2 (Regional/Local Issues) & Task 4 (SMP)
 - Submit QAPPs for planned monitoring to start in 2026/2027
- SRBC to develop Proposed Monitoring Storymap (hosted on SRBC website) in 2026
 - Site Locations
 - Timeframes
 - Parameters
 - Stakeholders (Academia, State/Federal Agencies, Watershed Associations, etc)

Collaborative Website

- Steering Committee & Partner information
- Monitoring Plan Updates
- News and Announcements
- Links to other studies and initiatives



[Link to Collaborative Website](#)

Home > Our Work > [What We Do](#) > Southern Tier New York Susquehanna Basin Monitoring Collaborative

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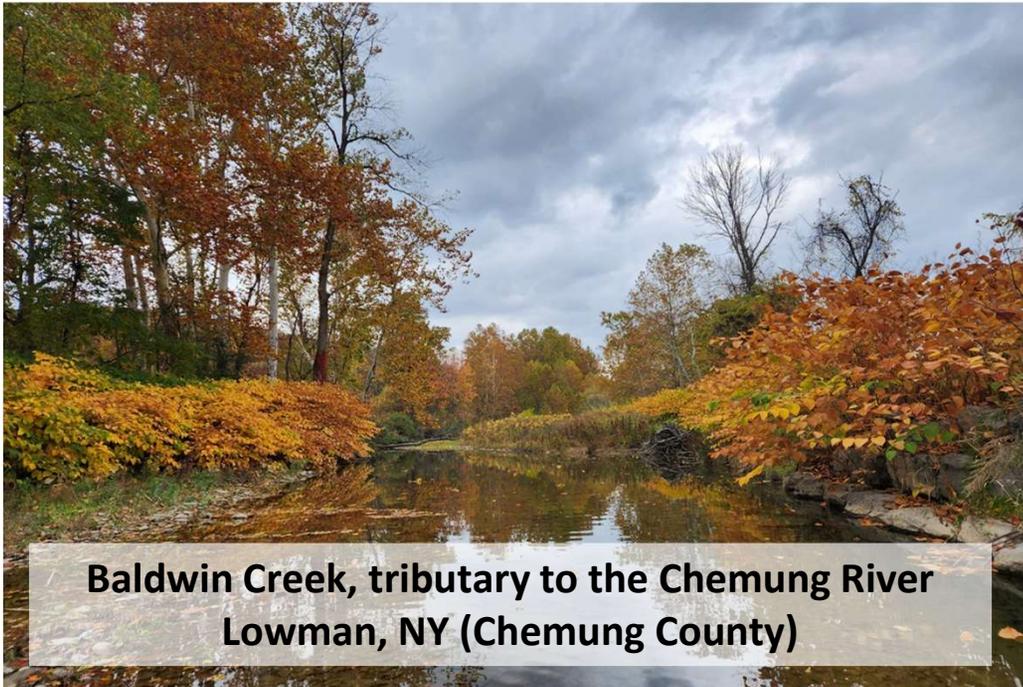


Collaborative Stakeholder locations and NYDEC Regional Headquarters that serve the Susquehanna River Basin. The Upper Susquehanna and Chemung Basins in New York State are about 6,300 square miles in size, include more than 11,500 stream miles, and have a human population greater than 600,000.

The Southern Tier New York Susquehanna Basin Monitoring Collaborative (Collaborative) is a partnership of

News & Announcements

- [Upper Susquehanna Coalition June 2025 Newsletter](#)
- [Eight organizations across New York's Upper and Chemung subbasins receive funding through SRBC's 2024 Stream and Watershed Enhancement Grant](#)
- [Registration is now open for attendees, posters, and table displays for the Upper Susquehanna Water Forum October 2nd, 2025 at Binghamton University.](#)
- [Southern Tier Central Regional Planning & Development Board hiring a Senior Planner.](#)



**Baldwin Creek, tributary to the Chemung River
Lowman, NY (Chemung County)**

Questions?

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Partners & Steering Committee Members

- Southern Tier Central:
 - Janet Thigpen & Liv Lovejoy
- Southern Tier Region 8
 - Thomas Flynn & Ashley Seyfried
- ALLARM
 - Lane Whigham, Jinnie Monismith, & Isabel Ruff
- Upper Susquehanna Coalition
 - Wendy Walsh
- Upper Susquehanna Conservation Alliance
 - David Stilwell
- NYSDEC
 - Cassie Davis