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What is Source Water?

Groundwater:

- Wells, usually drilled into aquifer

Surface Water:

- Reservoirs, Lakes
- Streams, Rivers



Photo: Grant Jiang



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Next Generation Focus: Going from Assessment → Protection



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What is





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COLLABORATION
+ COOPERATION
—
BENEFITS FOR
EVERYONE

awwa.org

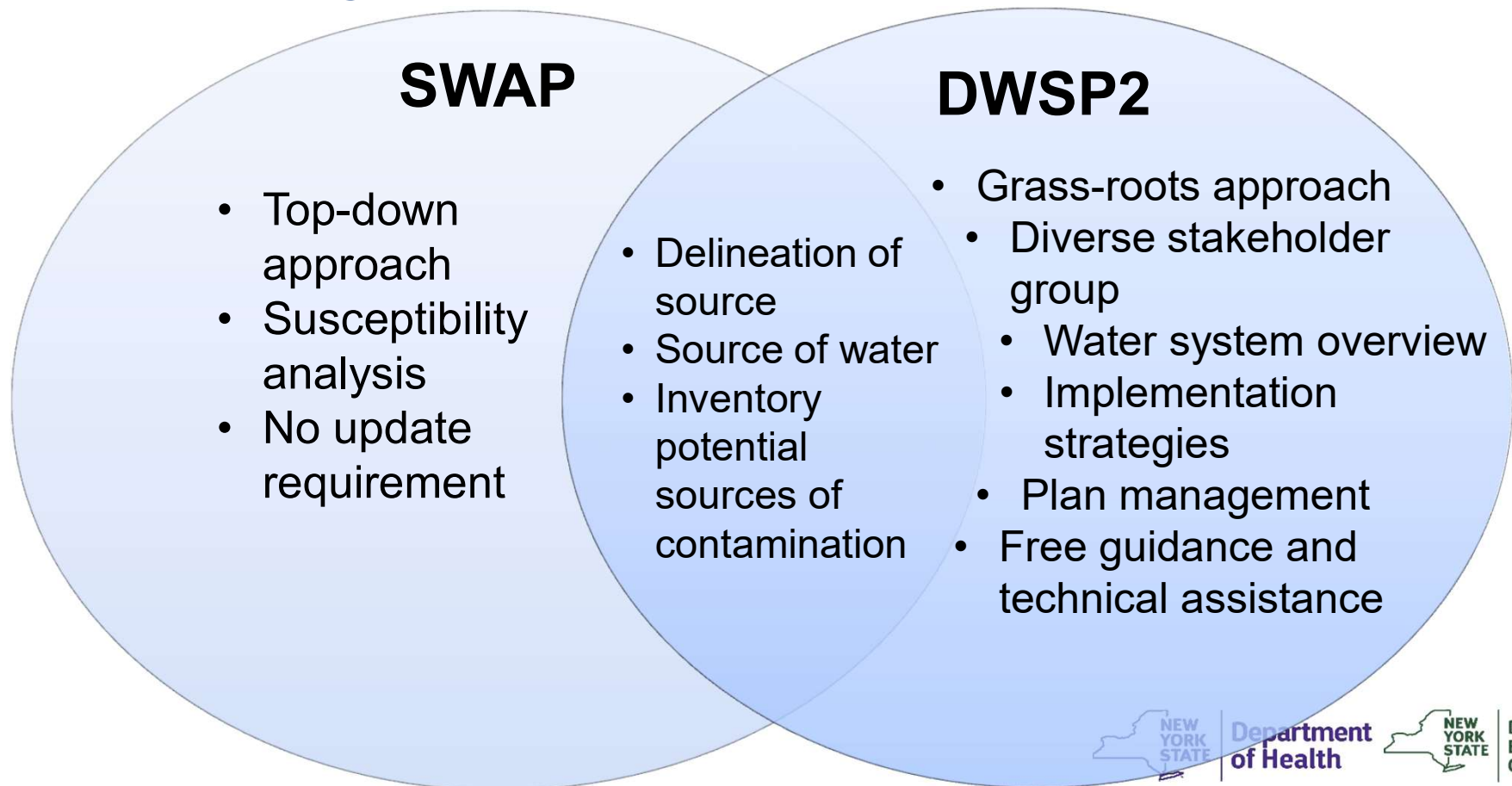


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What exactly is Source Water?



How DWSP2 Benefits My Community

- Protect public health
- Avoid preventable drinking water treatment costs
- Increase community confidence
- Create long-lasting partnerships
- Utilize a broad array of existing funding sources
- Save time in the long run



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Technical Assistance Support

- Presentation
- Fact Sheet
- Roles and Responsibilities
- Potential Benefits

Reach out to:

NYS: source.water@dec.ny.gov



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Technical Assistance Provider Support

Guide DWSP2 Plan Development
Facilitate and Coordinate Stakeholder Meetings
Gather Water Quality and Quantity Data
Develop Source Water Maps
Identify Source Water Protection Strategies
Provide Guidance and Resources on Funding



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We can help

- Free technical assistance
- Flexible schedule
- Little work for the community
- Updated or new DWSP2 map
- Complete inventory of potential contaminant sources and land use
- Thorough list of implementation actions
- Complements and supports other programs
- May improve likelihood of receiving state funding



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Apply Now!

- Complete our online application found on the DEC DWSP2 Website.
- For any questions, reach out to: source.water@dec.ny.gov



DWSP2 Application QR Code



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DWSP2's Key Components

1. Stakeholder Group

- 1.1 Form a Stakeholder Group
- 1.2 Establish Goals and Formulate a Vision

2. Drinking Water Source Assessment

- 2.1 Develop an Overview of the Water System
- 2.2 Prepare a Drinking Water Source Protection Map
- 2.3 Create a Potential Contaminant Source Inventory

3. Protection and Implementation Strategies

- 3.1 Identify Protection and Management Methods
- 3.2 Develop an Implementation Timeline

4. Progression and Maintenance

- 4.1 Designate a Plan Management Team



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1.1 Stakeholder Group

- Guide development and implementation
- Bring diverse stakeholders together



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1.2 Establish Goals and Formulate a Vision

- Align priorities and resources
- A “Call to Action” from the community



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2.1 Develop an Overview of the Water System

- A general water system overview
 - Water quality summary
 - Water quantity summary
- Used to select appropriate methods to delineate drinking water source protection areas



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2.2 Prepare the Drinking Water Source Protection Map

- Map the drinking water source
- Delineate drinking water source protection areas
- Populate map with potential contaminant sources
- Add local land use and land cover data



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2.3 Create a Potential Contaminant Source (PCS) Inventory

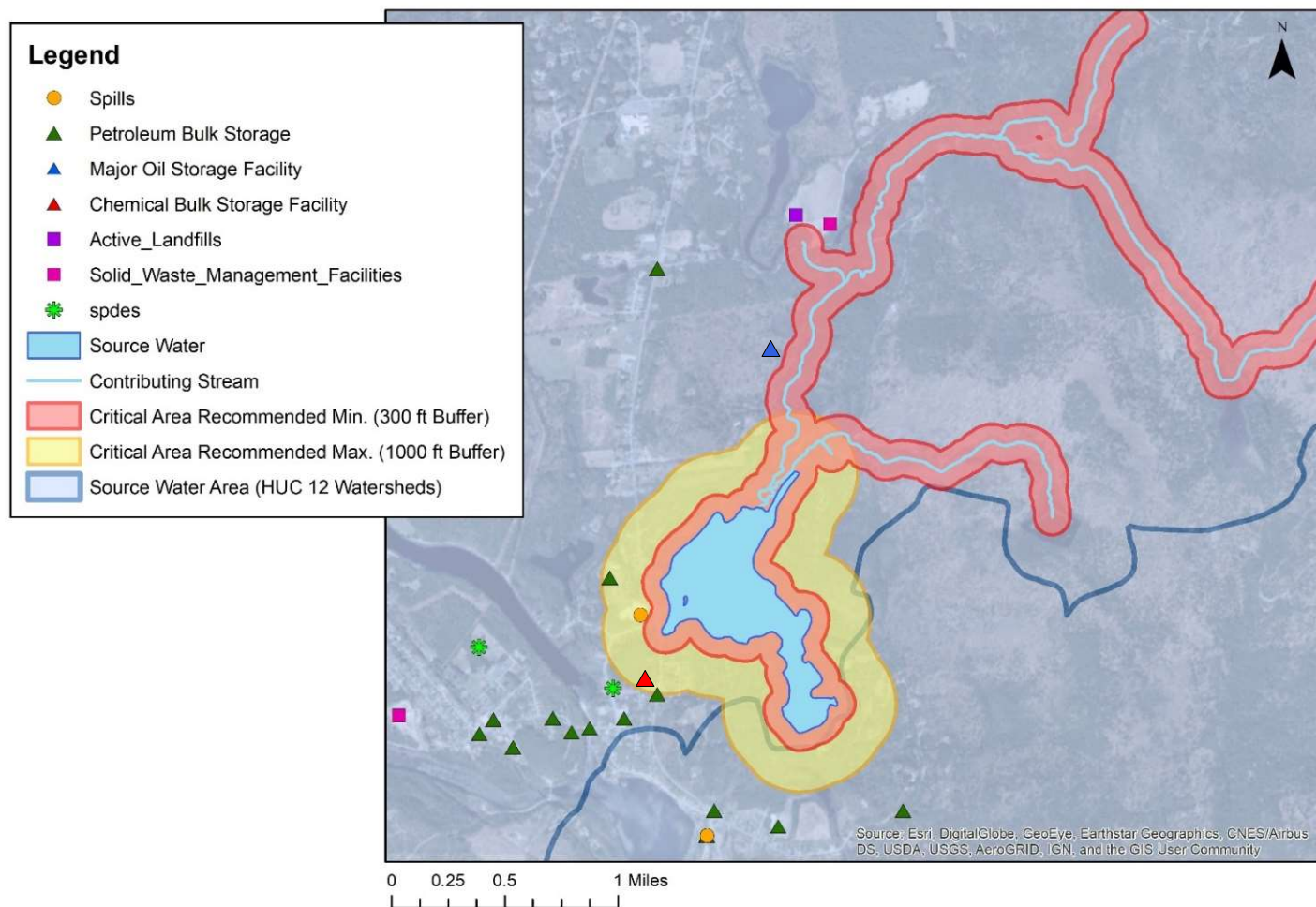
- Bulk Storage
- Waste Management and Disposal
- Contamination Sites or Incidents
- Mineral Extraction Sites
- Transportation
- Agriculture
- Residential Sources
- Conveyances and Pipelines
- Other



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3.1 Identify Protection Methods

1. Land Use Tools and Methods
 - a. Regulatory
 - b. Non-regulatory
2. Monitoring and Reporting
3. Outreach and Education



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3.1 Identify Management Methods

- Bulk Storage
- Waste Management and Disposal
- Contamination Sites or Incidents
- Mineral Extraction Sites
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- Other



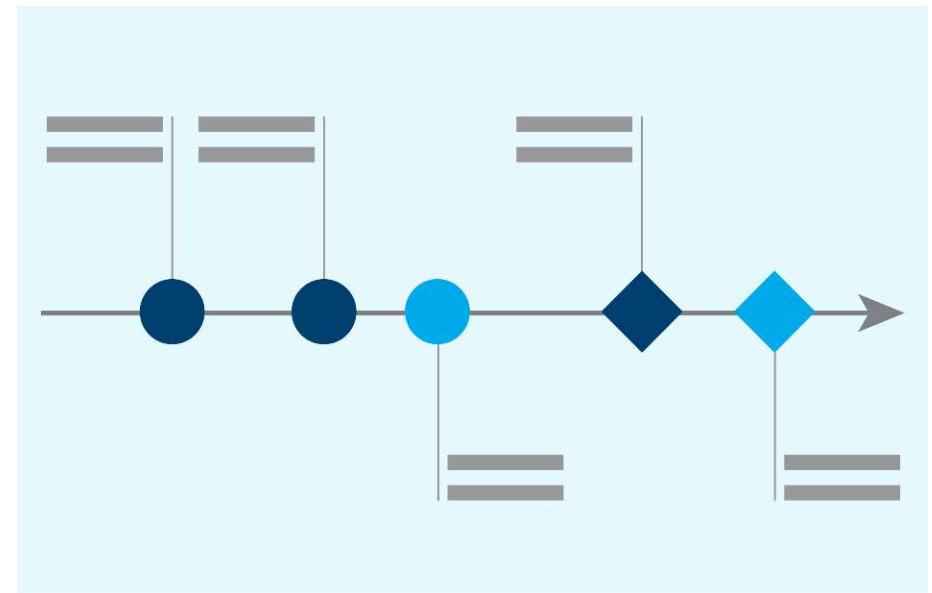
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3.2 Develop an Implementation Timeline

1. Priority Issue
2. Goals
3. Protection/Management Methods
4. Costs and Potential Funding Mechanisms
5. Project Leaders/Partnerships Needed
6. Implementation Timing/Schedule
7. Steps



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Funding and Incentives!

- Over 20 funding sources
- DWSP2 Newsletter highlights funding
- Grant incentives

1. NYS DEC Water Quality Improvement Project (WQIP) Program - Land Acquisition for Source Water Protection

The WQIP Program - Land Acquisition for Source Water Protection funds projects or programs aimed at protecting sources of public drinking water through land acquisition. Land Acquisition for Source Water Protection applicants must either identify parcels of land to acquire or commit to acquiring parcels of land for water quality improvement purposes.

Cost Share (Yes/No)?

Yes. Check the Request for Applicants for percent or dollar amount match required.

Eligible Applicants

Municipalities, Not-for-Profit Corporations and Soil and Water Conservation Districts

Resource / Link for More Information

www.dec.ny.gov/pubs/4774.html (NYS DEC, Division of Water, Search On: "Water Quality Improvement Project (WQIP) Program").



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WQIP Land Acquisition Projects for Source Water Protection

- Using the identified source water protection areas from their completed DWSP2 plan, a municipality can apply for funding to acquire lands within those areas.
- Maximum Award: \$5,000,000
- Local Match: 25%



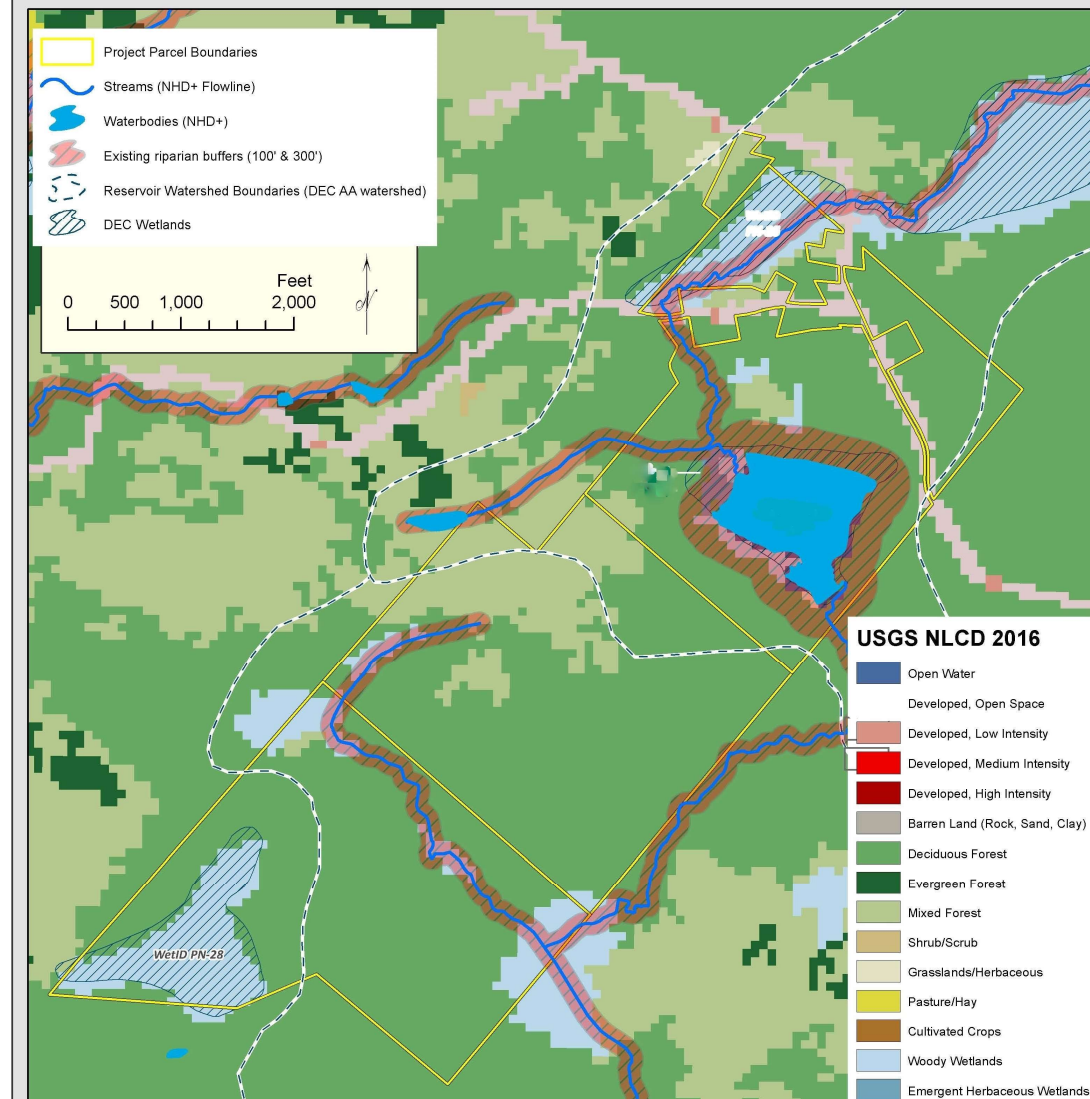
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WQIP Success Story

- City of Port Jervis
- Received over \$1.8 M
- Acquire 5 or more parcels
- Acquire over 1000 acres



4.1 Designate a Plan Management Team

- The community should designate a Plan Management Team
- The Plan Management team should:
 - Share progress reports
 - Review and share the plan
 - Create a revision schedule



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DWSP2 Tools and Resources

- DWSP2 Data Summary
- DWSP2 Template
- Free Technical Assistance



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Village of New Paltz

- Working with a TA Provider
- Source water crosses jurisdictional boundaries
- Supply serves multiple communities



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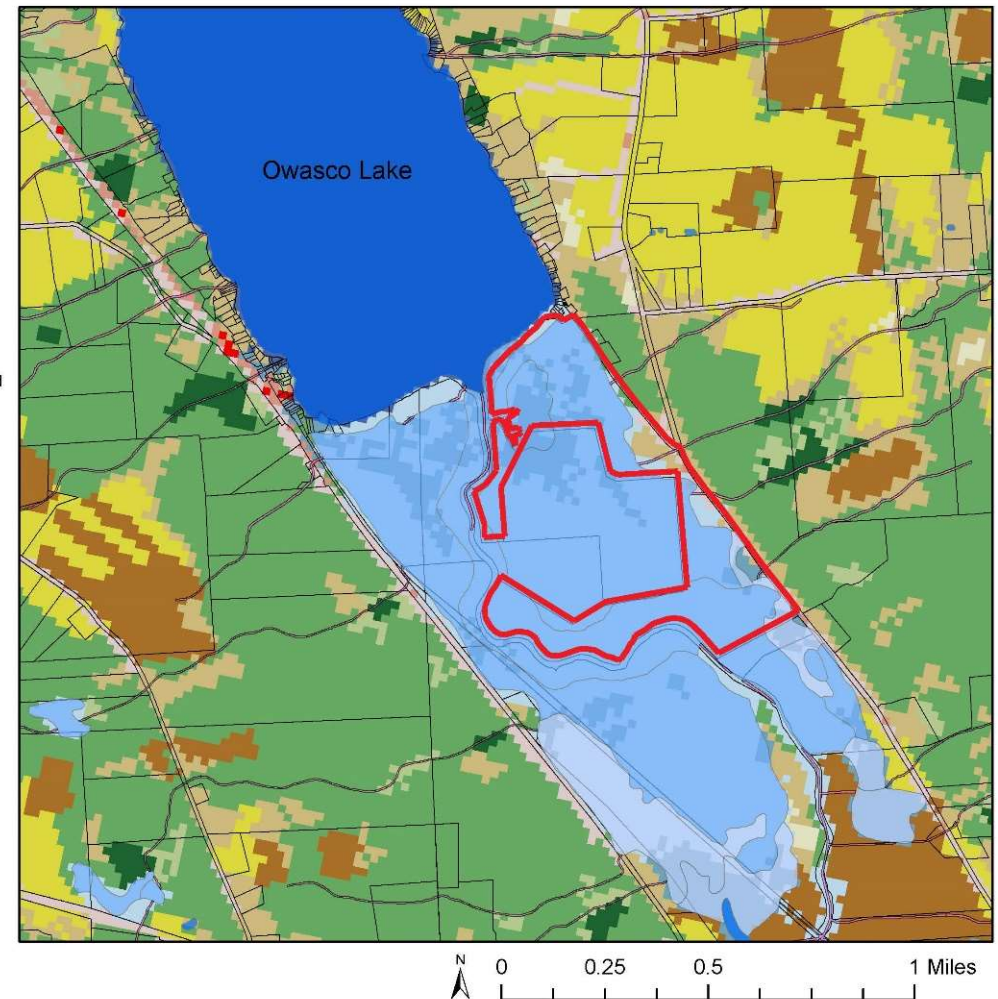


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City of Auburn

- Working with a TA provider on DWSP2
- Received a \$75,000 grant for land acquisition

Owasco Flats Land Acquisition City of Auburn July 2018



What to Expect by Participating in DWSP2:

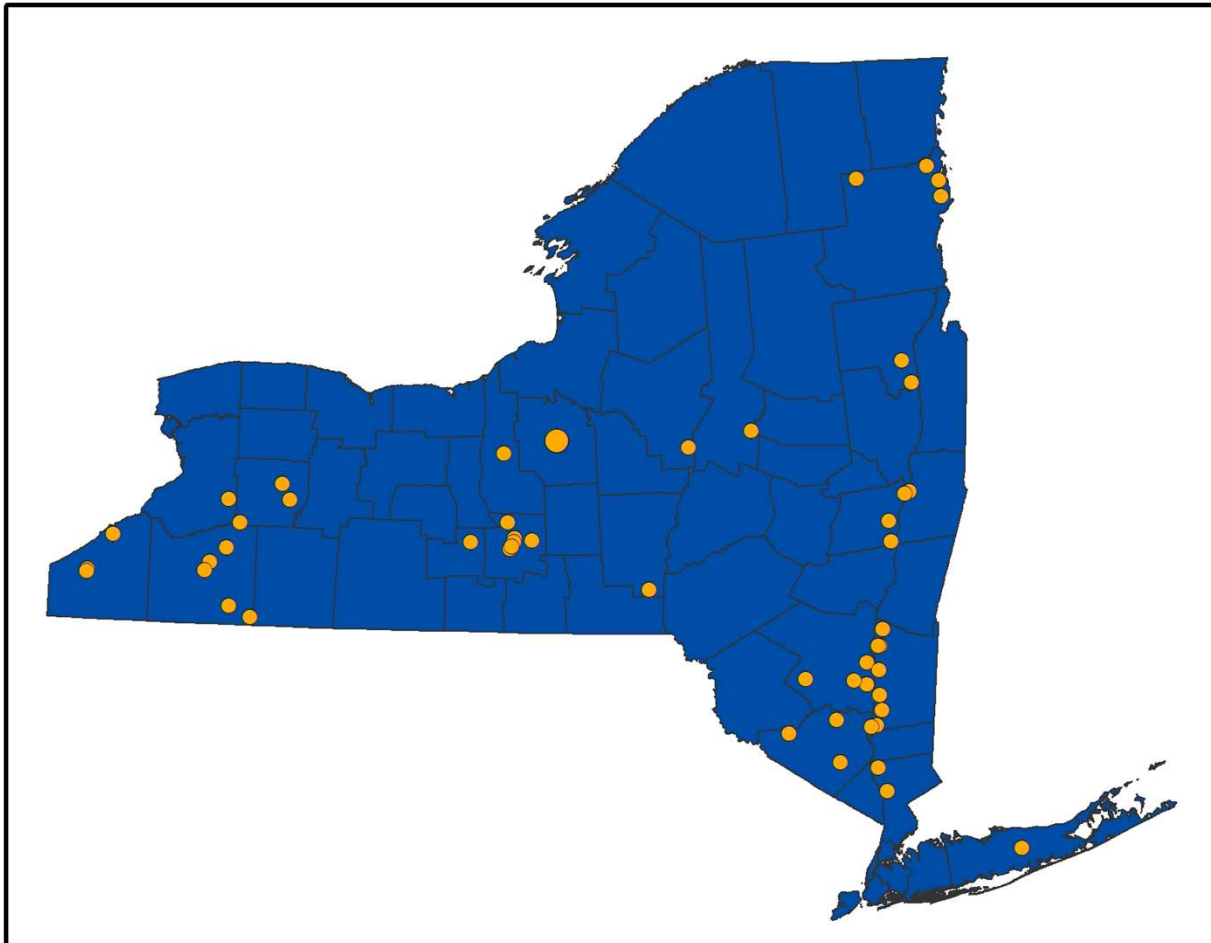
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Over 20 technical assistance providers available free of charge!

Over 40 communities working with a DWSP2 technical assistance provider



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Thank you

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Attribute	9E Plan	TMDL	DWSP2 Plan
Pollutant Source	Better for nonpoint sources	Considers point and nonpoint sources	Considers point and nonpoint sources
Waterbody Impairment	Not required	Required	Not required
Source Water Assessment	Watershed	Watershed	Critical and Source Water Protection Area
Implementation Plan	Required	Optional*	Recommended
Progression and Maintenance	As suggested by Element F of the 9-E plan	As suggested by implementation plan	Recommended at a minimum of 5 years
Public Comment Period	No (public participation is conducted throughout plan development)	Required	Not required
Agency Approval	DEC	EPA	DEC/DOH
Funding Eligibility	State and federal opportunities	State and federal opportunities	State opportunities