



**HVA**  
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# Career Opportunities: Watershed Science

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Housatonic Valley Association (HVA)

# Outline



Beginnings



Education



Internships



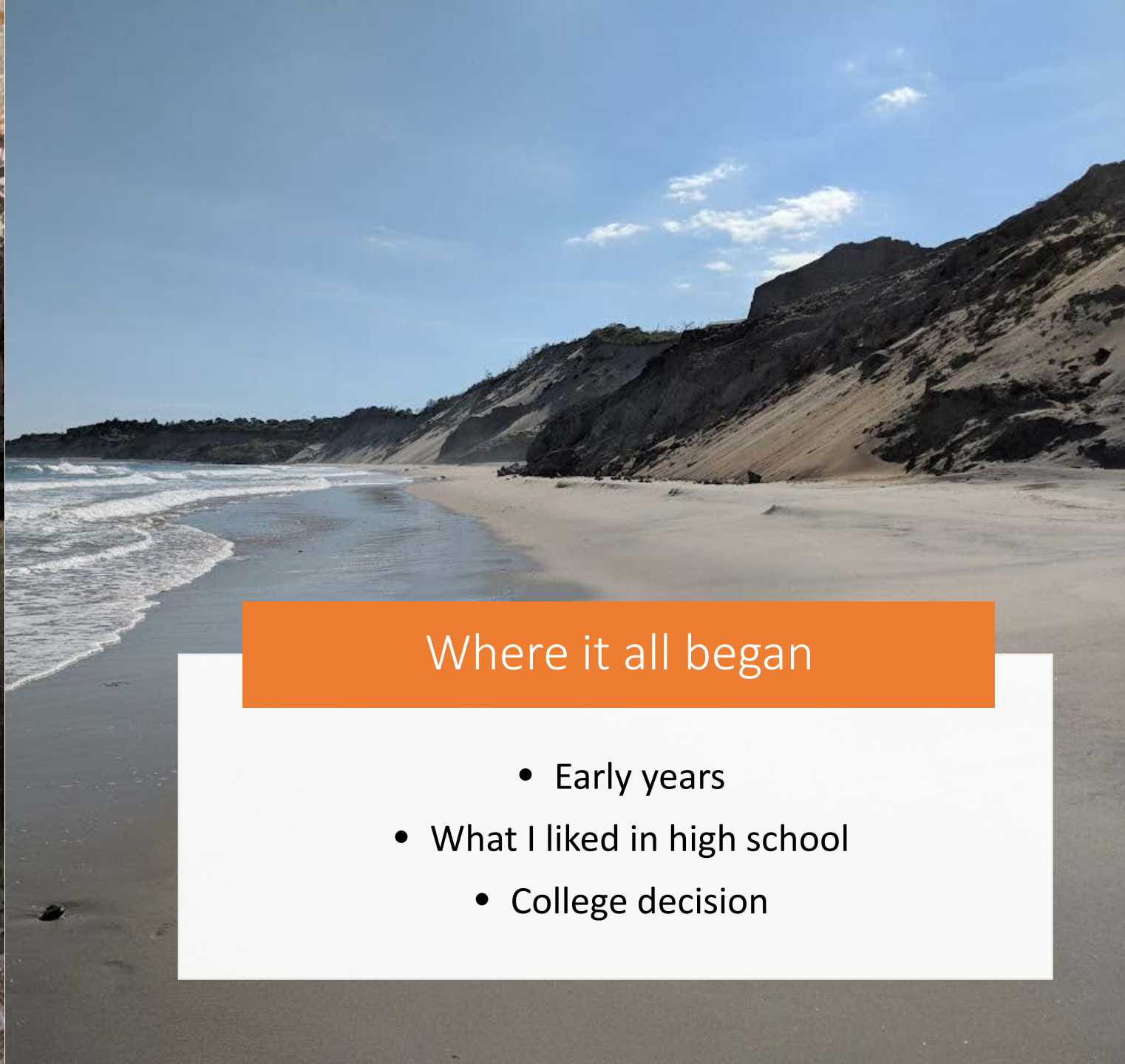
Previous Jobs



Current Work



Questions



## Where it all began

- Early years
- What I liked in high school
  - College decision



# Why did I make this decision

- Hands on learning
- Be outside
- Want to make a difference



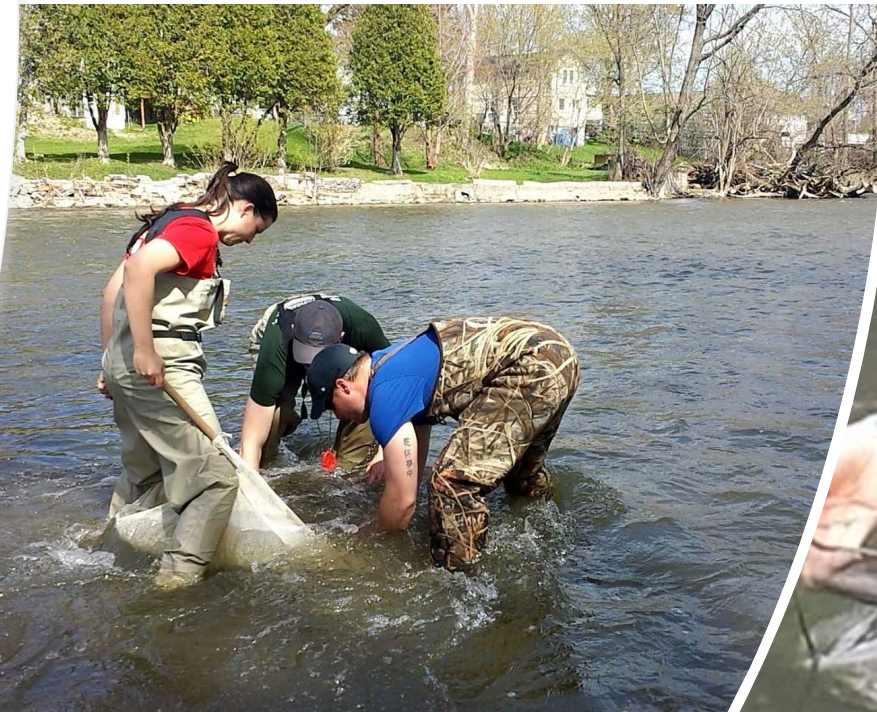




# College of Environmental Science & Forestry

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Freshwater Biology Major





# Majors

- Biologist (Fish/Wildlife/plant/snail etc.)
- Engineer
- Chemist
- Forester
- Interpretation & Education
- Landscape Architect
- Construction
- Sustainable Energy
- Environmental Science



State University of New York  
College of Environmental Science and Forestry



# College of Environmental Science & Forestry





# Squam Lake Association

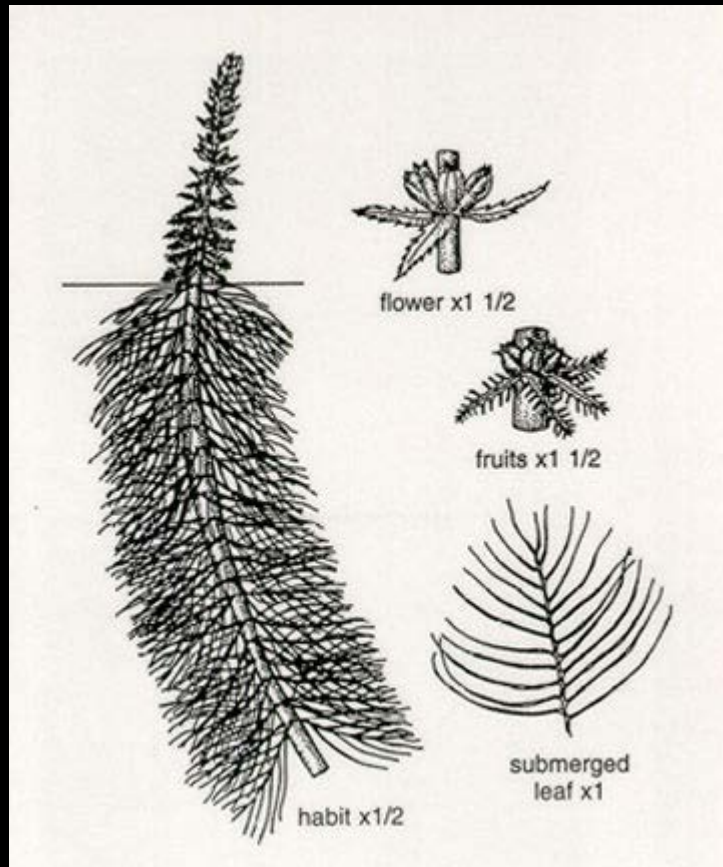
- Conservation Internship



- Public outreach
- Campsite caretaking
- Invasive species removal



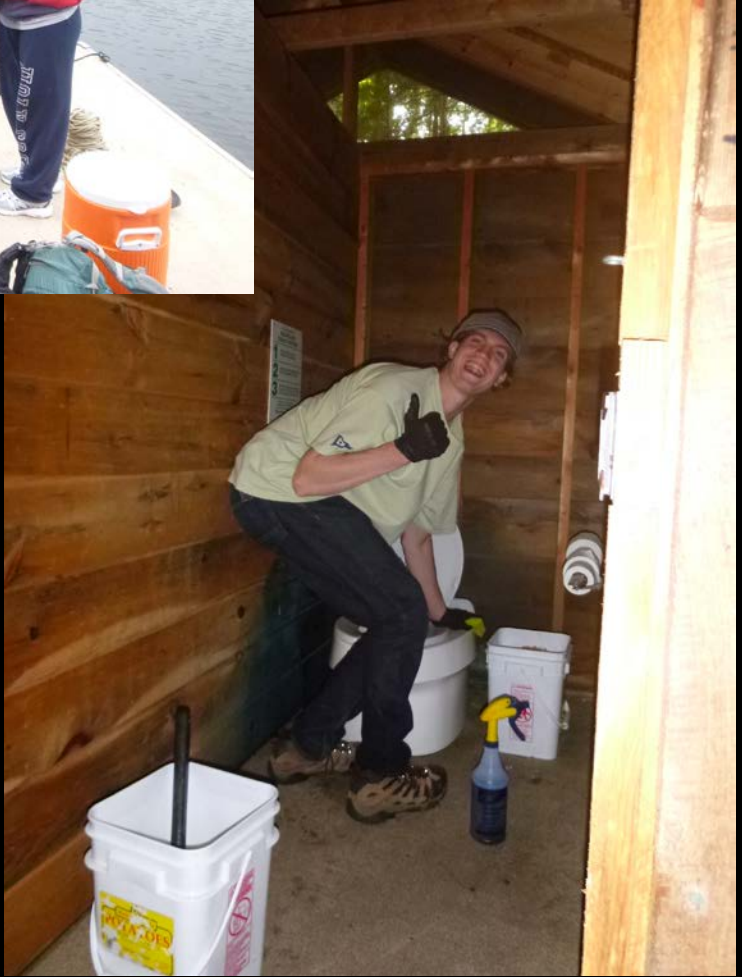
# Aquatic Invasive: Variable-leaf Milfoil











# Onondaga Lake Biomonitoring Project

- Use to be the most polluted lake in America
- Monitored the fish, plants, insects, and took water quality measurements annually















Continued my education







# National Park Service

- AmeriCorps Fellow
- Hydropower Assistance Program
- Rivers, Trails, & Conservation Assistance Program





# Hydropower Assistance Program

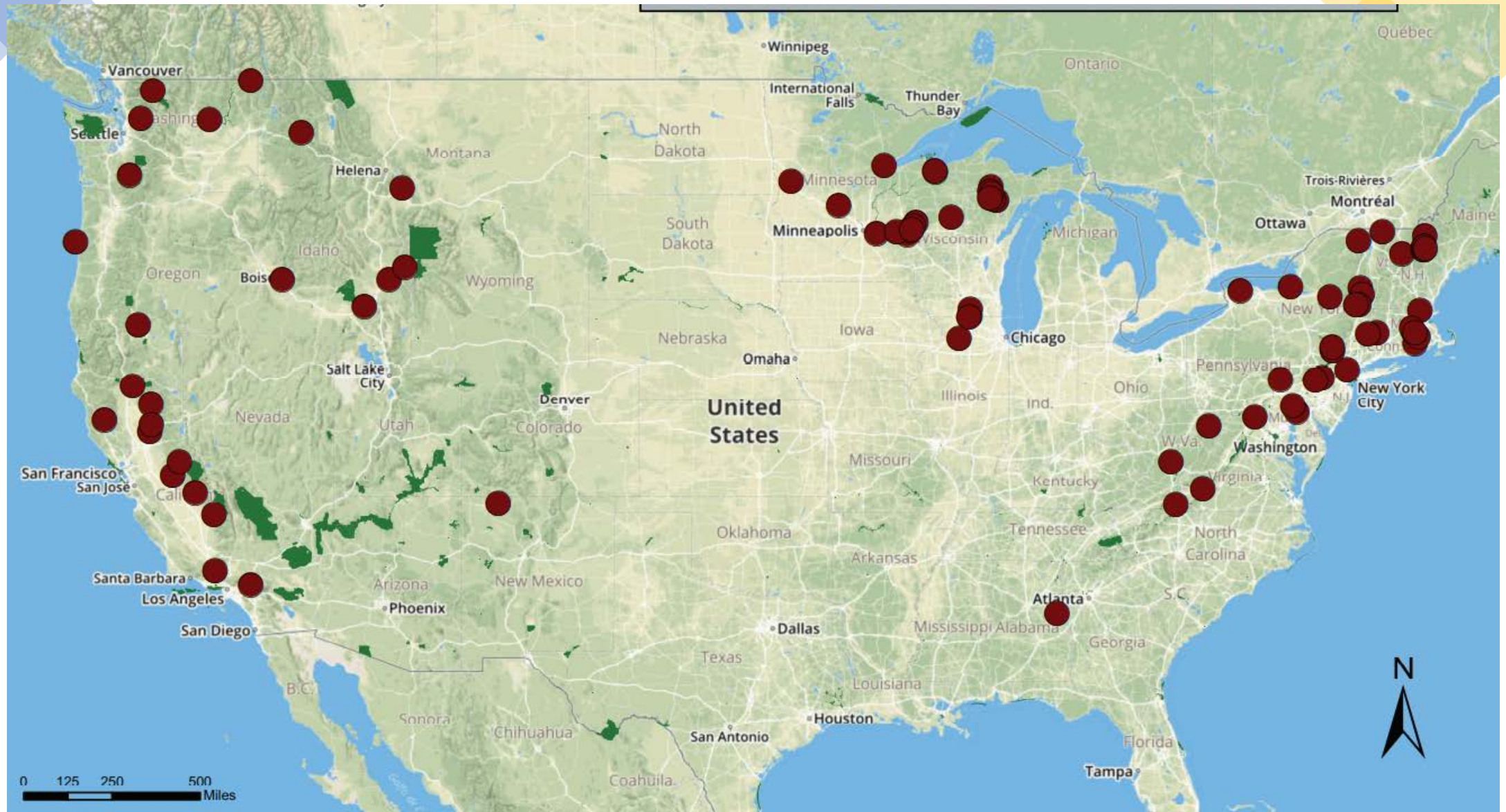
- Help communities acquire improved recreation:
  - Access
  - Facilities
  - Flows













# Rivers, Trails, & Conservation Assistance Program

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- Projects to help communities achieve their recreation and conservation goals
  - New trails
  - River Access
  - Improve a park
  - Develop a conservation plan

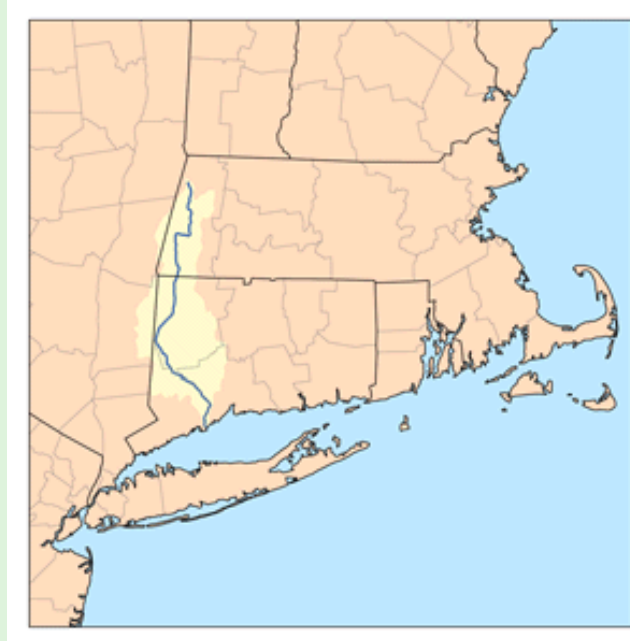




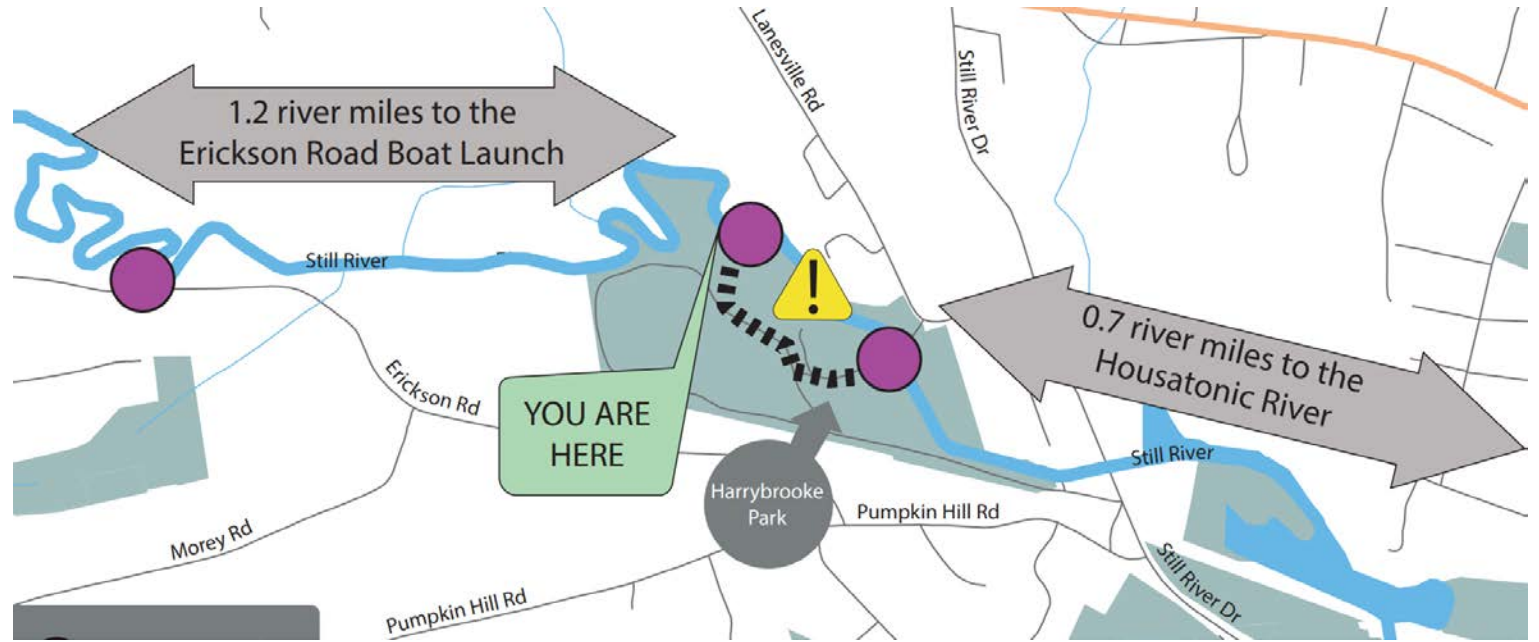




# Housatonic Valley Association



- Non-profit organization
- Tri-state watershed
- Protect and restore the lands and waters for today and future generations



# Map Making

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# Pollution Trackdown

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# Volunteer Events

- Tree plantings
- Stream Clean ups
- Invasive Species removal









# Streamwalks

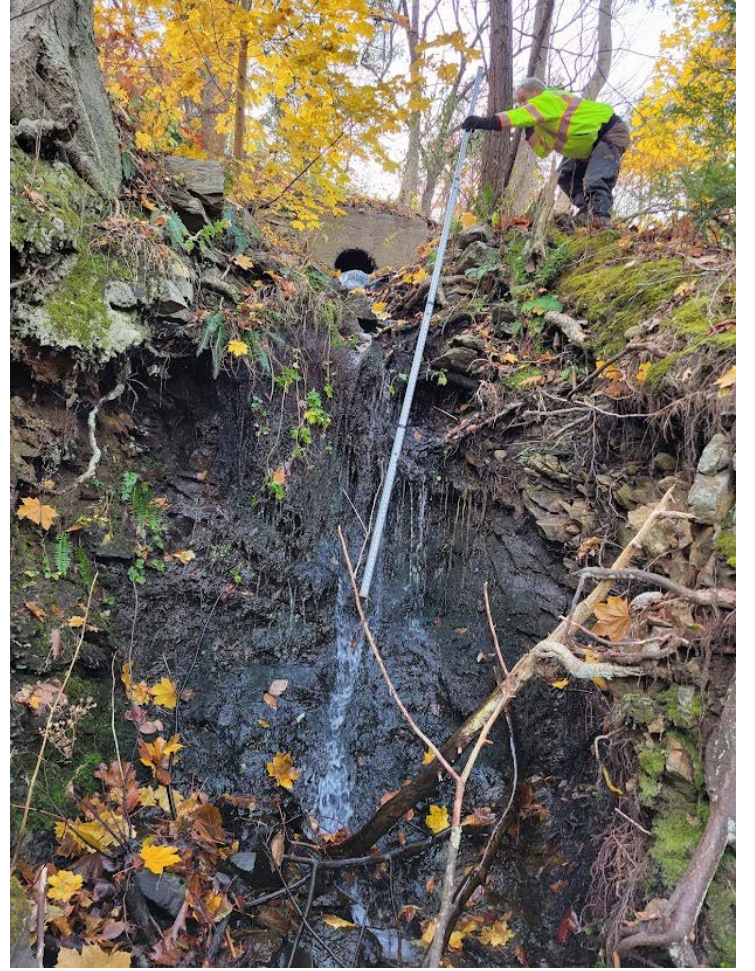
- Trash
- Outfalls
- Recreation
- Utilities
- Erosion
- Crossings













# Road Stream Crossing Inventories











# Surveying

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Green Infrastructure  
Development





# Still River Watershed Connections Program

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# Summer Watershed Student Ambassador Program

- Paid summer youth experience.
- Work Closely with WCSU professors and graduate students
- Hands on field and lab experiences
- Open to all Danbury High School students, preferably rising Juniors in aquatic sciences. If you are interested in working outside





# Water Related Careers

## Who Can you work for?

Federal/State/Local Government

Non-profits

Consulting Firms

Colleges/Universities

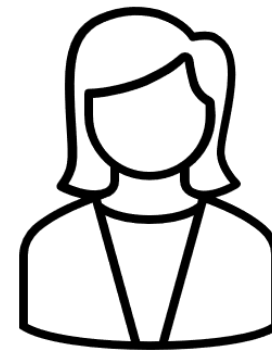
Labs

Private Businesses

## Potential Careers

- Park ranger
- Community Planner
- Environmental lobbyist
- Research technician
- Meteorologist
- Construction Engineer
- Landscape Architect
- Nursery worker

- Fishing/Paddle Guide
- Journalist
- Camp Counselor
- Teacher
- Geologist
- Forester
- Aquarist
- Commercial diver
- Boat Crew Member
- Commercial Fisherman





Thanks for listening!



Questions?

