Career Opportunities: Watershed Science

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Housatonic Valley Association (HVA)
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

Freshwater Biology Major
Majors

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

• 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
Pollution Trackdown
Volunteer Events

- Tree plantings
- Stream Clean ups
- Invasive Species removal
Streamwalks

• Trash
• Outfalls
• Recreation
• Utilities
• Erosion
• Crossings
Road Stream Crossing Inventories
Surveying
Green Infrastructure Development
Still River Watershed Connections Program
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?