

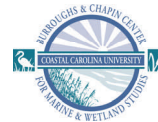
• Bassmaster
Volunteers include members of:

- Winyah Rivers Foundation
- Surfrider
- Winyah Group of SC Sierra Club

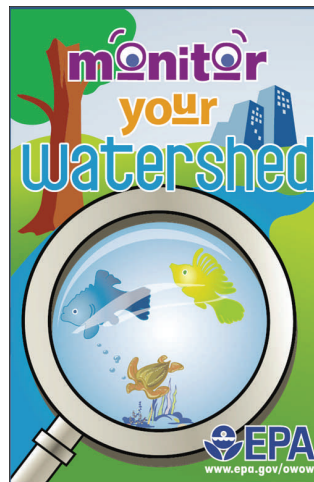


WACCAMAW
 WATSHED ACADEMY COASTAL
 CAROLINA UNIVERSITY

Burroughs & Chapin Center for
 Marine and Wetland Studies
 1270 Atlantic Avenue
 Conway, South Carolina 29526



Volunteer Monitoring
 Coordinator
 Ken Hayes,
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 khayes@coastal.edu



To become
 a volunteer,
 contact us!



Project Information and online data at:
<http://www.coastal.edu/www/vm/wr/>

Volunteer Water Quality Monitoring for the Waccamaw River



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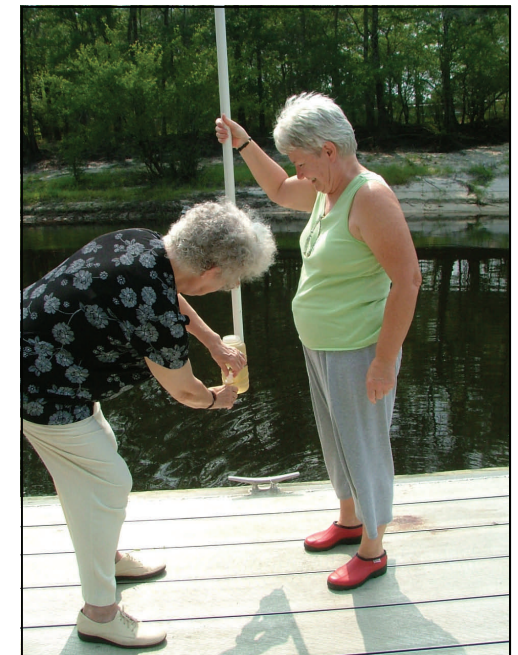
Community Partnering for Environmental,
 Economic and Social Benefit

GOALS

- Collect quality data for the Waccamaw River to:
- Identify land-based sources of pollutants
 - Detect illicit discharges
 - Detect trends over time
 - Document water quality improvements from implementation of new municipal stormwater programs

What Water Quality Problems are Being Monitored?

- Eutrophication
- Hypoxia
- Sedimentation
- Bacterial Contamination



Volunteer Water Quality Monitoring for the Waccamaw River

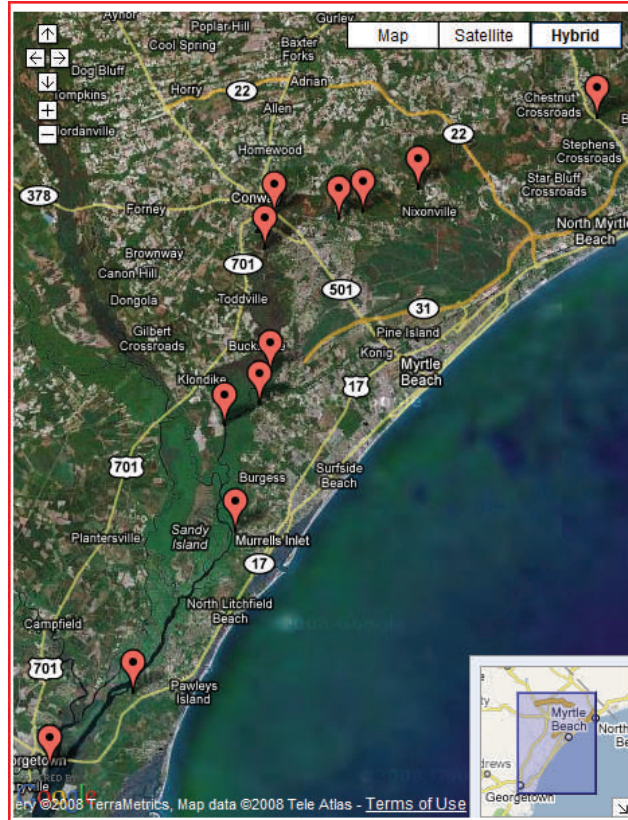
Why do we need to do Volunteer Water Quality Monitoring?

- Augment state and federal monitoring efforts
 - Limited funding creates data gaps in time and space that can be filled by volunteer monitoring*
- Provide benchmarks for measuring progress
- Enhance environmental education



Funding Sources

- USEPA Wetland Program Development Grant
- City of Conway
- Horry County
- Georgetown County
- International Paper, Inc.



Sampling Sites

Parameters Measured

- Temperature
- Total dissolved solids (conductivity)
- Turbidity
- pH
- Dissolved Oxygen
- Nutrients (nitrogen)
- Bacteria (*E. Coli*)



Volunteer Water Quality Monitoring Benefits

Meets federal Clean Water Act's NPDES Phase II Stormwater Program requirements for:

- Public education
- Public involvement
- Illicit Discharge Detection & Elimination

Other Benefits:

- Cross-generational activity
- Promotes stewardship of natural resources
- Community building



Field Leader:
Waccamaw
RIVERKEEPER®



Contact information:
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