



Heal Our Waterways: Getting Our Feet Wet

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City of Wilmington, NC

Bradley & Hewletts Creeks Watershed Restoration Plan

- Funded- Clean Water Act
Section 319 Grant -NC Division
of Water Quality
- Approved by the Wilmington
City Council In 2012
- Stormwater Best
Management Practices
 - Residential
 - Commercial
 - Voluntary



Original Partners

Grantee: North Carolina Coastal Federation



Contributing Partners:

- The City of Wilmington
- Withers & Ravenel Engineers
- UNCW Center For Marine Science
- Town of Wrightsville Beach



State Partners:

- Shellfish Sanitation Section
- Division of Water Resources

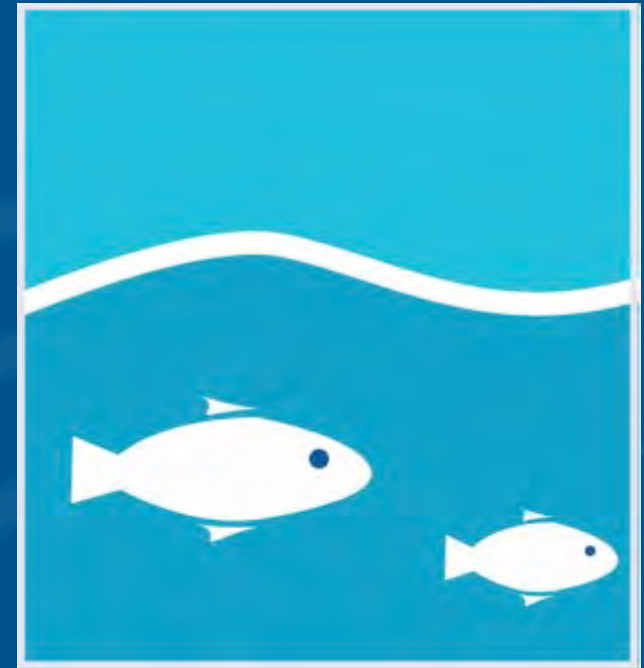


Objectives and Actions

1. Continue existing programs that address water quality impairments in both watersheds
2. Determine appropriate water quality classifications and designated uses where water quality impairment exists
3. Track the reduction of bacteria transport from land to water
4. Focus stormwater reduction efforts in locations where they will yield the greatest and most cost effective volume reductions
5. Form and maintain Partnerships
6. Evaluate success and modify plan based upon results

Goals for Year One

- Brand the Restoration Plan
 - Name and logo
- Develop Educational Materials
 - Brochures, mailings
- Develop Website
 - www.HealOurWaterways.com
- GIS Atlas
- Volume Reduction

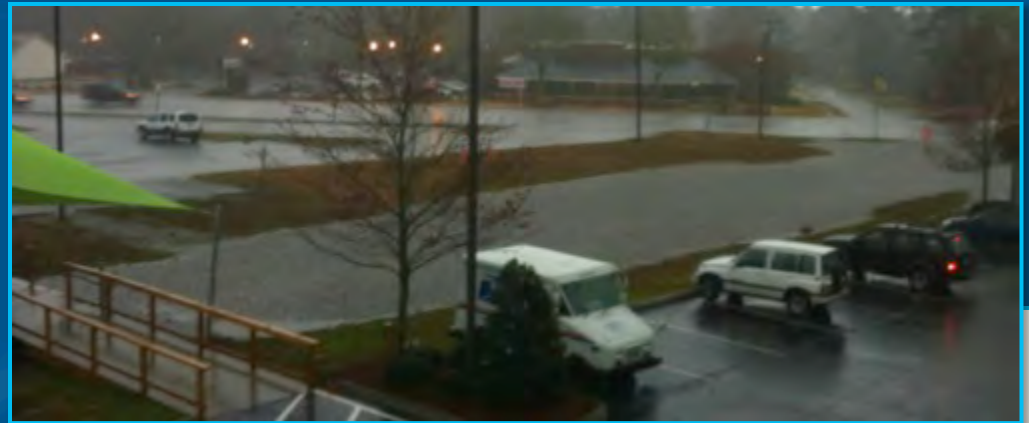


Ongoing Projects

The background features several overlapping, semi-transparent, light blue wavy lines that create a sense of motion and depth. These lines are positioned behind the main text, adding a dynamic visual element to the slide.

Tidal Creek Bioretention

- Collaboration
 - Tidal Creek Co-op
 - UNCW
 - City of Wilmington
 - NC Cooperative Extension
 - NCSU



Tidal Creek Goals

- Volume Reduction
- Public Awareness
 - Stormwater
 - BMPs
- Education
- Participation



NERRS Project

- \$350,000 Grant
 - Improve Water Quality in Targeted Watersheds
- Collaboration
 - UNCW, NC Coastal Reserve, NC Coastal Federation, Wrightsville Beach



NERRS Project – Part One

- Stormwater Retrofits at Wrightsville Beach
 - Underground Infiltration
 - Iula St.
 - Bioretention/ Rain Gardens
 - Reduce stormwater volume
 - Reduce swimming advisories in Banks Channel



NERRS Project- Part Two

- Neighborhood Pilot Project
 - Hewletts Creek Watershed
 - Outreach and Education
 - Test materials for HOW
 - Feedback
 - Residential BMP installations
 - Rain gardens, Permeable Pavement, Rain Barrels
 - Centralized Bioretention



What's Next?

- Incorporate Feedback
- Full Introduction of HOW
 - www.HealOurWaterways.com
 - Social Media
 - GIS Atlas
- Commercial Properties
- New Partnerships



Questions?

■ Zak Nojia, a staff photographer for *Surfer Magazine*, captured this image of professional surfer Dede Suryana in Indonesia at a remote but apparently not so pristine beach. The prevalence of trash and debris in ocean is not unique to Indonesia. Zak Nojia/A-Frame