



Hewletts Creek Water Quality Improvement Project

FUNDING SOURCE & AMOUNT

EPA 319 Grant Program
\$262,442 funded, including match
\$68,193 in-kind match from City of
Wilmington

TIMEFRAME

Awarded 2014
January 2015 – March 2018

GRANT ADMINISTRATOR

North Carolina State University

IN-KIND PARTNERS

City of Wilmington, NC
New Hanover County Cooperative
Extension
Zimmer Development Company
Coastal Stormwater Services, Inc.

SUMMARY / DESCRIPTION

North Carolina State University partnered with the City of Wilmington to reduce stormwater entering Hewletts Creek through a number of projects in the watershed. These include two infiltration trenches, a bioretention area (also called a rain garden), bioswales, a curb cut for infiltration, and a community education program.

The EPA 319 Grant Program provided funding of \$194,249 for design, professional time, and construction of the bioretention area. That was matched with \$68,193 of in-kind support from the City of Wilmington which included construction costs for BMP installations, professional staff hours, and educational efforts.

Education for the project mainly focused on the Windward Oaks neighborhood, where a professional Residential Rain Garden Certification was held. This neighborhood was targeted because it was identified as containing a high percentage of homes that were over allowed built-upon average (BUA). This was addressed by the NC Department of Environmental Quality by requiring homeowners to install best management practices (BMPs) on their properties. Because of this issue, community meetings were held that addressed residents' concerns. These meetings were attended by city staff.

GRANT GOAL(S)

- Decrease the amount of stormwater entering Hewletts Creek by installing a number of projects at various locations and targeting different land uses (commercial, bridge deck, roadway, residential, and golf course).
- Assist homeowners in the Windwards Oaks neighborhood in understanding the need for and the basic mechanics of BMPs.









