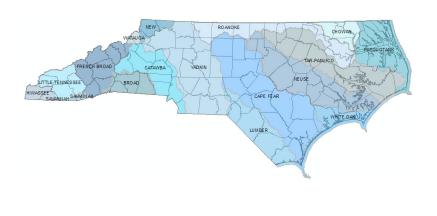
Phase 2 Designation Decisions for Havelock, Kinston, New Bern, Smithfield, and Wilson

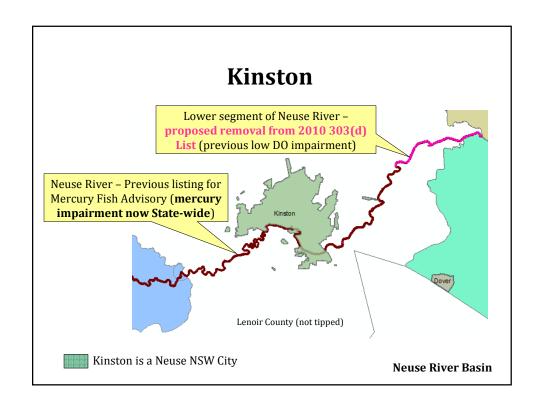


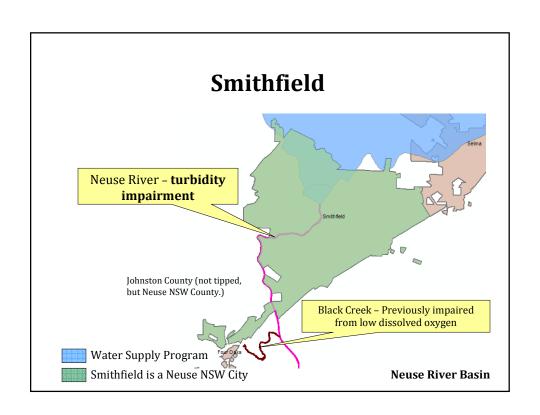
Who is Considered for Designation?

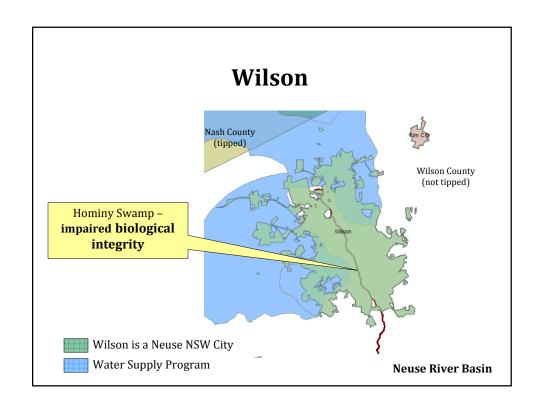
 Discharges stormwater with potential to adversely impact water quality

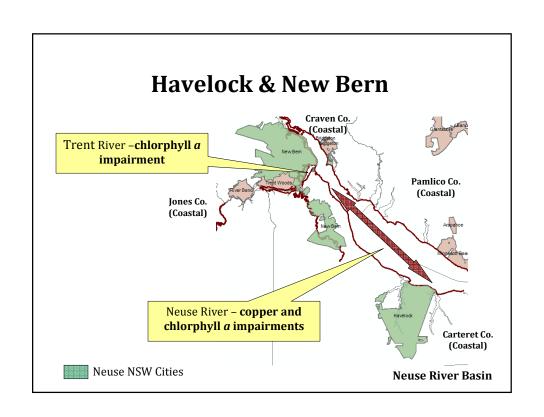
-or-

- Population and density of:
 - 10,000 people (or 4,000 housing units) *and*
 - 1,000 people per sq. mile (or 400 housing units per sq. mile)









Comparison of Program Elements

Program Elements	Neuse Communities	If Designated under Phase II MS4 NPDES
Post-Construction Controls for New Development	Post-Construction Controls are deemed Compliant with Phase II	Post-Construction Controls for New Development
State or Delegated E&SC Program	State or Delegated E&SC Program	State or Delegated E&SC Program
Illicit discharge ID and removal	Illicit discharge ID and removal	Illicit discharge ID and removal
Public Outreach and Participation	Public Outreach	Public Outreach and Participation
Pollution Prevention & Good Housekeeping	No	Specific Requirements for Local Government
Impaired Waters	NSW Strategy	Can add specific requirements to address impaired waters

Results of Interviews and Site Visits

All five communities are complying with the Phase II, NSW, WS, and/or the Coastal Rules with respect to:

- ✓ Post-Construction Controls for New Development
- ✓ State, delegated or local E&SC Program
- ✓ Illicit Discharge Identification and Removal
- ✓ Public Outreach and Participation
- ✓ Pollution Prevention & Good Housekeeping

Summary of each community is at the end of the presentation.

Results of Interviews and Site Visits

Strategies to improve water quality varied from community to community. Areas that DWQ reviewed included:

- ✓ Funding and Staffing
- ✓ Partnerships
- ✓ Projects to improve water quality
- ✓ Strategies to improve water quality

Summary of each community is at the end of the presentation.

Recommendations

- 1. DWQ will conduct annual compliance evaluations
- 2. DWQ will establish a partnership with the Neuse Communities to further develop sustainable and effective stormwater management programs
 - ✓ Establish the State's expectations
 - ✓ Facilitate regular meetings to evaluate programs and exchange ideas
 - ✓ Establish partnerships and strengthen existing partnerships
- 3. Within 18 months, DWQ will revaluate progress made by each community to refine stormwater management programs

Action Items for WQC

DWQ seeks **WQC approval to move forward to EMC with a recommendation to not designate Smithfield, Wilson, Kinston, New Bern and Havelock for the Phase II Program**

Results of Interviews and Site Visits

Kinston

- Post-Construction Controls for New Development
 - ✓ Compliant with NSW Strategy
 - ✓ No exemptions or exclusions
- Rely on State E&SC Program
- Illicit Discharge Identification and Removal
 - ✓ Compliant with NSW Strategy and Phase II Requirements
- Public Education
 - ✓ Compliant with NSW Strategy and Phase II Requirements
 - ✓ Rely in part on CWEP (Clean Water Education Partnership)
 - ✓ Extensive in-house Public Outreach and Participation Program
- Pollution Prevention & Good Housekeeping
 - ✓ Effective program in place

Kinston

- Funding and Staffing
 - ✓ Stormwater Utility Fee (\$900,000 annual)
 - ✓ Plan reviews and inspections: Staff relies on engineering firm
 - ✓ Public Outreach: Staff relies in part on CWEP
 - $\checkmark\,$ Staff also conducts site specific public outreach programs
 - ✓ BMP inspections: Staff
- Partnerships
 - ✓ EEP, CEWP, CWTF, Big Sweep, NC Recycle, and Local Schools
 - ✓ NC State
 - ✓ Stormwater Advisory Committee

Kinston

- Projects to Improve Water Quality
 - ✓ NC Flood Plain Preservation & Conservation Plan
 - ✓ Acquired 900 acres of floodplain along Neuse River
 - ✓ Removed 700 structures
 - ✓ Master Plans include regional stormwater treatment, trails, gardens, and open space
 - ✓ Acquired 26 acres of FEMA Properties
 - ✓ reducing the Nitrogen Load by 172 pounds/year
 - ✓ Completed 1.5 miles of 2 mile stream restoration
 - ✓ North Street Outfall BMP
 - √ 60 inch outfall serving downtown area

Kinston

- Strategies to Improve Water Quality
 - ✓ Much of Kinston's area along the Neuse River is dedicated Open Space – Parks and Recreational Areas with conservation easements
 - ✓ SW Utility Credits for Green Infrastructure and LID practices
 - ✓ City encourages flexible parking no requirements for downtown parking
 - ✓ Tree Retention and Protection Ordinance
 - ✓ Cluster Development and Open Space (5% required)
 - ✓ Fats, Oils and Grease (FOG) Program
 - ✓ Program to manage pet and yard waste
 - √ 7 City maintained BMPs

Smithfield

- Post-Construction Controls for New Development
 - ✓ Compliant with NSW Strategy and Water Supply Protection Regulations
 - ✓ No exemptions or exclusions
- Rely on the State E&SC Program
- Illicit Discharge Identification and removal
 - ✓ Compliant with NSW Strategy and Phase II Requirements
- Public Education
 - ✓ Compliant with NSW Strategy and Phase II Requirements
 - ✓ Rely primarily on CWEP
- Pollution Prevention & Good Housekeeping
 - ✓ Effective program in place

Smithfield

- Funding and Staffing
 - ✓ Stormwater Utility Fee under consideration
 - ✓ Developers pay into a perpetual fund to maintain SW BMPs
 - ✓ Plan reviews and inspections: Staff relies on engineering firm
 - ✓ Public Outreach: Staff relies in part on CWEP
 - ✓ BMP inspections: Staff
- Partnerships
 - ✓ CWEP and NC State
 - ✓ Chamber of Commerce, Smithfield Hospital, and Town Council
 - ✓ NCDOT and Johnston County
 - $\checkmark\,$ Staff also conducts site specific public outreach programs

Smithfield

- Projects to Improve Water Quality
 - ✓ Spring Branch 4.5 Acre Constructed Wetland
 - ✓ 640 Acre water shed with 141 acres of BUA
 - ✓ 8.4% of total incorporated drainage area
 - ✓ Conservation easement and 50 foot buffer -3,450 linear feet
 - ✓ Smithfield-Selma High School 0.2 Acre Constructed Wetland
 - ✓ 30 acre water shed, with 60% BUA
 - ✓ Acquired approximately 150 acres of land for a 3 mile linear park along Neuse River
 - ✓ Acquired 3 acres of FEMA buyouts for community gardens
 - ✓ Partnered with NC State for two constructed wetlands

Smithfield

- Strategies to Improve Water Quality
 - ✓ Program to manage pet and yard waste
 - ✓ Comprehensive Land Use Plan
 - ✓ Largest land use within the Town of Smithfield is Open Space (28.7%)
 - ✓ Identifies watersheds, floodplain, soils, wetlands, water and sewer lines
 - ✓ 5 Year Tax rebate for redevelopment projects
 - ✓ UDO & Comprehensive Growth Management Plan
 - ✓ Incorporates Green Infrastructure elements and LID practices

New Bern

- Post-Construction Controls for New Development
 - ✓ Compliant with NSW Strategy and Coastal Rules
 - ✓ No exemptions or exclusions
- Rely on State E&SC Program
- Illicit Discharge Identification and Removal
 - ✓ Compliant with NSW Strategy and Phase II Requirements
- Public Education
 - ✓ Compliant with NSW Strategy and Phase II Requirements
 - ✓ Rely on CWEP
- Pollution Prevention & Good Housekeeping
 - ✓ Effective program in place

New Bern

- Funding and Staffing
 - ✓ No Stormwater Utility Fee
 - ✓ Plan reviews and inspections: Staff relies on engineering firm
 - ✓ Public Outreach: Staff relies in part on CWEP
 - ✓ BMP inspections: Staff relies on engineering firm
- Partnerships
 - ✓ EEP, CWEP, CWTF
 - ✓ NC State

New Bern

- Projects to Improve Water Quality
 - ✓ Jack Smith Creek Basin
 - ✓ \$4 Million
 - ✓ Partnered with EEP, CWTF, and NC State
 - ✓ Acquired 59 acres for constructed wetland
 - ✓ 800 acre water shed
 - ✓ Acquired 600 acre limestone mine
 - ✓ 200 acre lake to permitted treat effluent form WWTP
 - ✓ Reclaim waste water and stormwater

New Bern

- Strategies to Improve Water Quality
 - ✓ Comprehensive Stormwater Management Manual
 - ✓ Land Use Ordinance
 - ✓ Tree Retention and Protection Ordinance
 - ✓ Award Winning Tree City USA
 - ✓ Require curb and gutter, allow some vegetative conveyance
 - ✓ City encourages flexible parking no requirements for downtown parking
 - ✓ Although no GI/LID requirements, the City "expects developers and property owners to use LID strategies"

Havelock

- Post-Construction Controls for New Development
 - ✓ Compliant with NSW Strategy and Coastal Regulations
 - ✓ No exemptions or exclusions
- Local E&SC Program
- · Illicit Discharge Identification and Removal
 - ✓ Compliant with NSW Strategy and Phase II Requirements
- Public Education
 - ✓ Compliant with NSW Strategy and Phase II Requirements
 - ✓ Rely on CWEP
 - ✓ Extensive in-house Public Outreach and Participation Program
- Pollution Prevention & Good Housekeeping
 - ✓ Effective program in place

Havelock

- Funding and Staffing
 - ✓ Considering a Stormwater Utility Fee
 - ✓ Solid Waste Fee (pickup yard waste and recyclables)
 - ✓ Plan reviews and inspections: Staff
 - ✓ Public Outreach: Staff relies in part on CWEP
 - \checkmark Staff and PIO also conducts site specific public outreach programs
 - ✓ BMP inspections: Staff
 - ✓ Engineering firm under contract for technical assistance
 - ✓ Career Development Program recognizes LEED Certification

Havelock

- Partnerships
 - ✓ CEWP, Local Schools, New Bern Service District, Craven County and Onslow County
 - ✓ Land Trust Fund and NC Coastal Federation,
 - ✓ TRC
 - ✓ Base, NCDOT, Craven County, City Staff, Citizens Group
 - ✓ Citizens' group
 - ✓ Planning Group
 - ✓ Land Use Committee
 - ✓ Board of Adjustments for plan reviews
 - ✓ Community Summit
 - ✓ Lower Neuse River Basin
 - ✓ public outreach and nitrogen trading

Havelock

- Projects to Improve Water Quality
 - ✓ Joe's Branch culvert replacement
 - **✓** \$600,000
 - ✓ Mitigation
 - ✓ 280 acre water shed
 - ✓ Forestry Division
 - ✓ Establishing a 2.6 mile Greenway
 - ✓ Land Trust Fund and NC Coastal Federation
 - ✓ Acquired 40 acres for passive recreation
 - ✓ Acquired another 256 acres for conservation and buffers

Havelock

- · Strategies to Improve Water Quality
 - ✓ Comprehensive Plan
 - ✓ New UDO will incorporate Green infrastructure and LID
 - ✓ Incentives and Credits for redevelopment, Green infrastructure and LID
 - ✓ Master Recreation Plan incorporates educational opportunities, green infrastructure and LID
 - ✓ Completed a down stream impact analysis
 - ✓ Most of the Stormwater from the urban area is directed to jurisdictional wetlands before ultimately going on base
 - ✓ Much of the City's jurisdictional area is dedicated to Open Space

Wilson

- Post-Construction Controls for New Development
 - ✓ Compliant with NSW Strategy and Water Supply and Water Shed Regulations
 - ✓ No exemptions or exclusions
- Award Winning Delegated E&SC Program
- · Illicit Discharge Identification and Removal
 - ✓ Compliant with NSW Strategy and Phase II Requirements
- Public Education
 - \checkmark Compliant with NSW Strategy and Phase II Requirements
 - ✓ Rely on CWEP
 - ✓ Extensive in-house Public Outreach and Participation Program
- Pollution Prevention & Good Housekeeping
 - ✓ Effective program in place

Wilson

- Funding and Staffing
 - ✓ Stormwater Utility Fee (\$2.4 Million Annual)
 - ✓ Plan reviews, inspections and planning: Staff
 - ✓ Public Education: Staff relies in part on CWEP
 - ✓ Staff also conducts site specific public outreach programs
 - ✓ BMP Inspections: Staff
 - ✓ Staff has certified BMP inspectors LEED and LID planners
- Partnerships
 - ✓ EEP, CWEP, Local Schools, CWTF, Barton College
 - ✓ Downtown Economic Development Committee and Neighborhood Associations

Wilson

- Projects to Improve Water Quality
 - ✓ Partnered with NC State on development of a 90 acre educational water quality park along Neuse River
 - ✓ Partnered with Wilson County Soil and Conservation Rain Garden Program
 - ✓ Water Reclaim Program
 - ✓ Largest in the state based on population
 - ✓ Partnered with NCDOT TIP project to use reclaimed water

Wilson

- Strategies to Improve Water Quality
 - ✓ Award winning Delegated E&SC Program
 - ✓ Program to manage yard waste
 - ✓ Hominy Swamp Water Shed Plan incorporating Green Infrastructure
 - ✓ Developing UDO & Comprehensive Growth Management Plan
 - ✓ Incorporate Green Infrastructure elements and LID practices