

The 319 Grant for Stokes, Rockingham and Caswell Counties 2008 - 2016



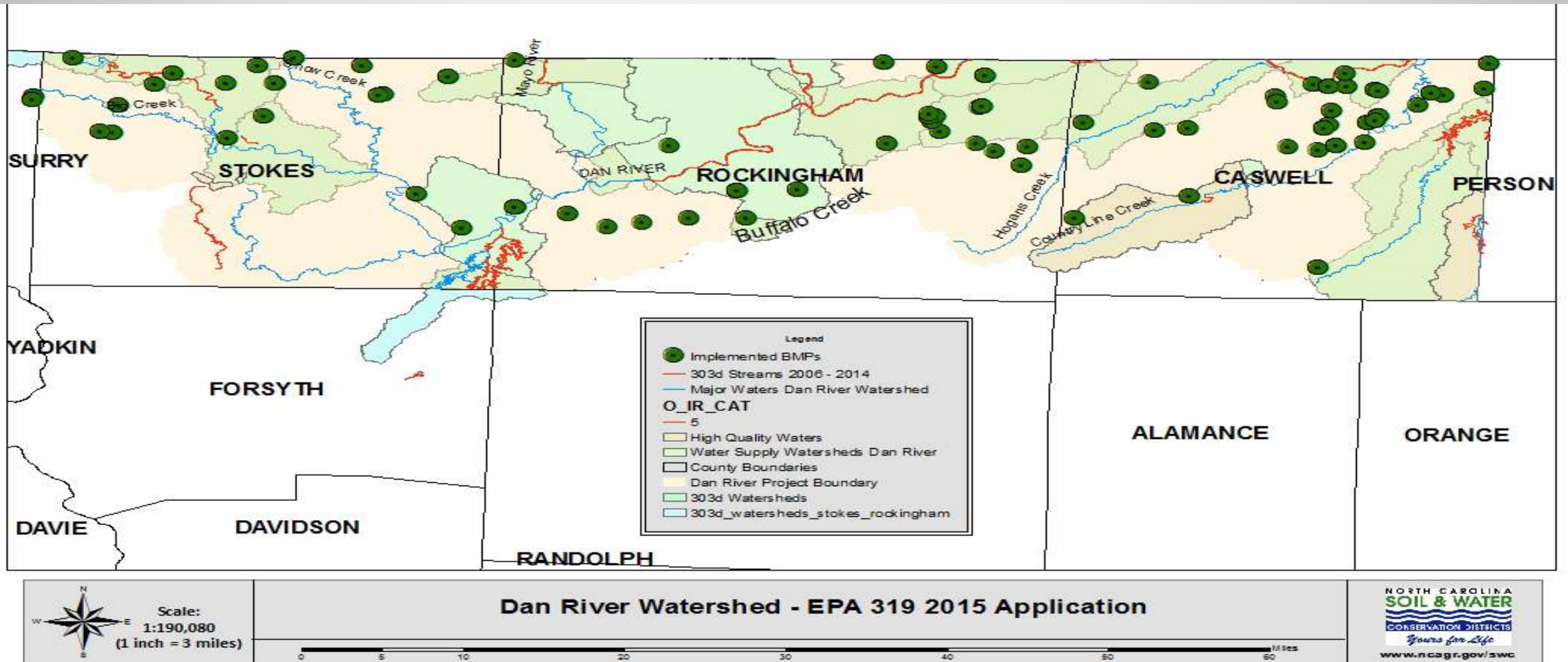


Dan River Watershed 319 Grants

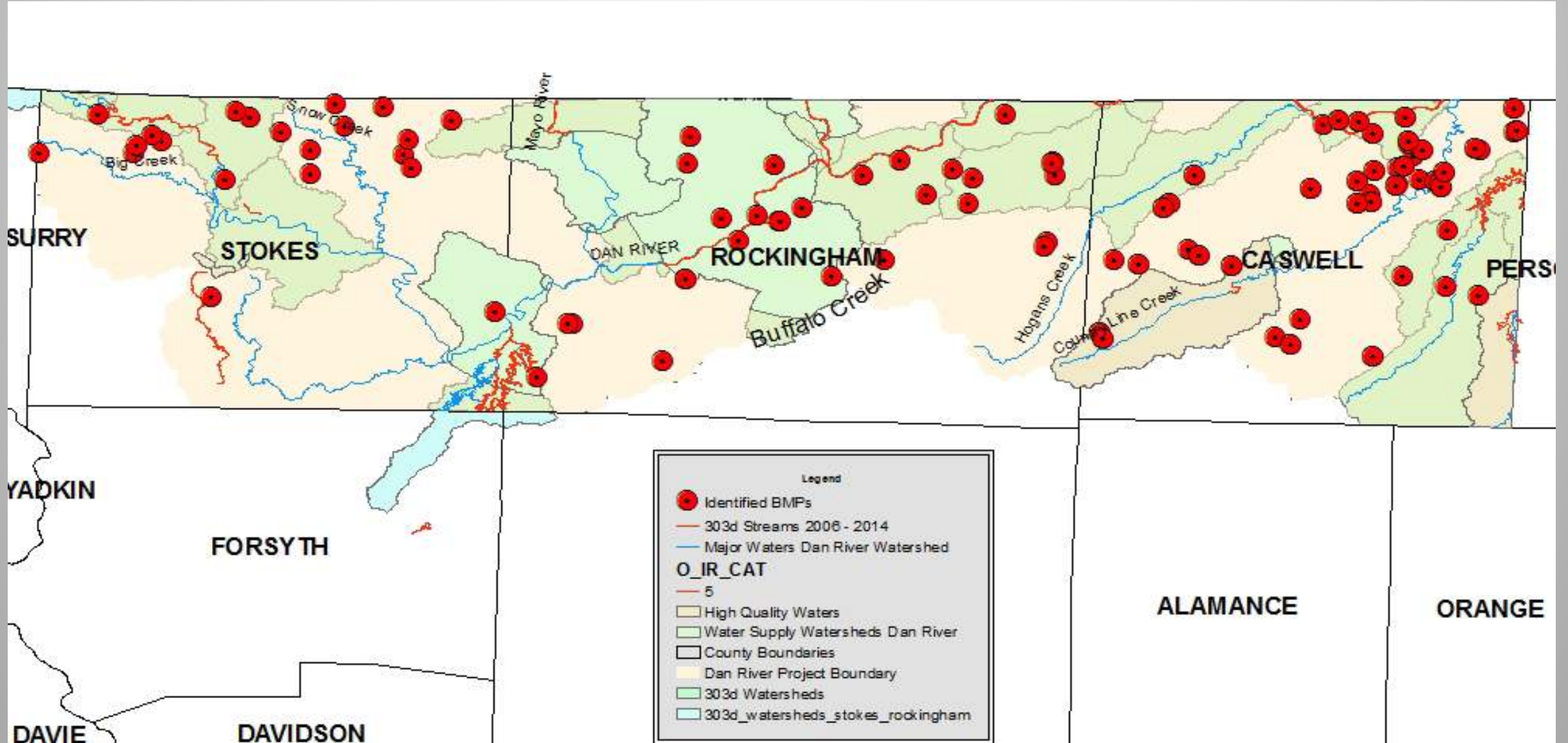
- BMP Implementation primarily on agriculture lands
- Strong success from past awards – 150+ BMPs installed!



Projects Implemented with Previous Awards



BMPs are Identified!



Watershed Coordinator Position

- Promotes project funding opportunities with local commodities groups
- Conducts education and outreach to schools, Virginia districts, etc.
- Helps with BMP installation and certification in all three counties in the watershed
- Assists with DWR water quality sampling efforts
- Applies for additional grant funds for watershed efforts



*Coordinator Water Quality
Monitoring at Hawkins farm*

50% of salary and benefits paid for by Stokes County

Momentum and BMP Installation

- Districts keep a list of farmers interested in implementing BMPs (126 currently)
- “Word of Mouth” – farmers talking with their neighbors is our best advertisement
- The increased funds allows a greater number to participate, provides better selection



Project “Offshoots”

- Received *Letter of Interest* from the Duke Energy Grant – stream restoration project
- First “in-house” stream restoration project in Stokes
- Two DWR funding requests
- Two CWMTF grant requests
- Alignment with Natural Heritage and WRC priorities
- Better sense of integration with Virginia

Addressing Reviewers Concerns

Monitoring

- Big watershed + lots of BMPs = \$\$\$
- DWR & Watershed Coordinator have been collecting samples (before and after) on the Hawkins' farm in Stokes County

Prioritization of projects

- Two-tiered ranking form, district and overall project
- Highest ranked projects are funded!



Paul Clark sampling on site

Reviewers Concerns - Measurable Results

- PLAT and NCANAT will be used, not NLEW (our mistake!)
- RUSLE2

Water Quality Impacts of all Grants to Date

Water quality impacts	Units
Area treated	5,378 acres
Soil saved	9,124 tons
Nitrogen saved	57,319 pounds
Phosphorus saved	6,105 pounds

Cattle Exclusion Projects



Two livestock exclusion projects: headwater stream and Dan River

Area needing a Cattle Exclusion System









Grass Waterway













Row Crop Farming





Row Crop Farming



No-Till Farming





The Smith River in the Background



A Farmer who has land adjacent to the Smith River in Rockingham County



A New Proposal for 319 funds to install BMP's along the Smith River and County Line Creek











