Source Water Protection Planning in NC

HB894 Stakeholder Meeting December 16, 2014

Rebecca Sadosky, PhD

Overview

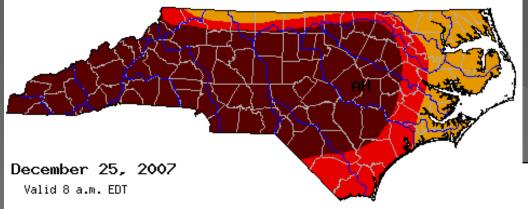
- Current State of Affairs
- SWPP Process
- SWPP Resources/Tools
- Success Stories Approved Plans

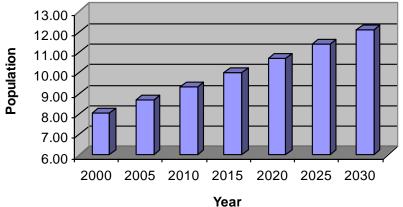
Current State of Affairs

- Recognized by EPA as a top strategy
- Procedures already exist
- Supporting data is available
- Economic incentives are available

Current State of Affairs

- Politically correct
- Increasing demand on limited resource





Motivation



SWPP Process

- Form a local SWP development team
- Examine your source water assessment
- Inventory potential contamination sources
- Define focus areas and action items
- Develop a contingency plan
- Create a schedule for implementing the plan
- Submit the plan for approval

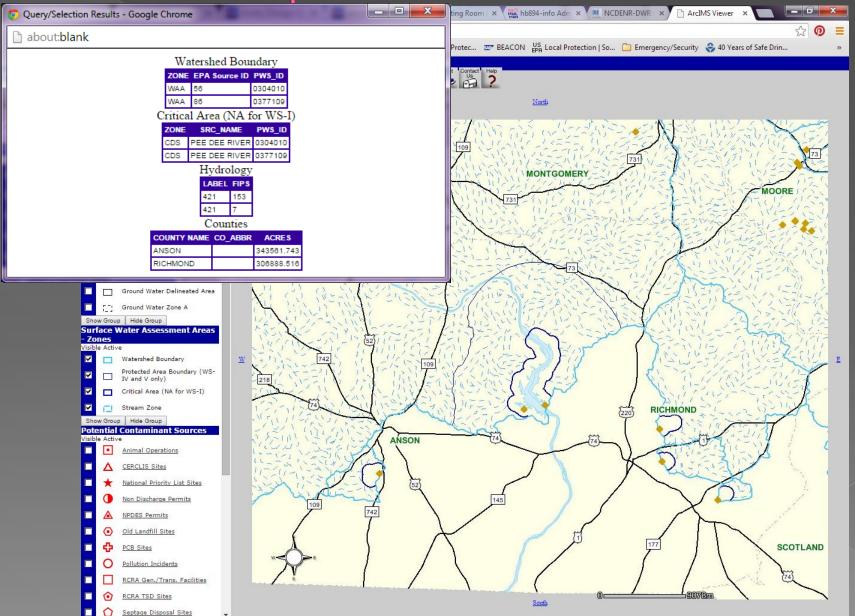
SWPP Available Resources

- Guidance manual
- Supporting data tools
- Economic incentives
- State personnel
- NCRWA specialist

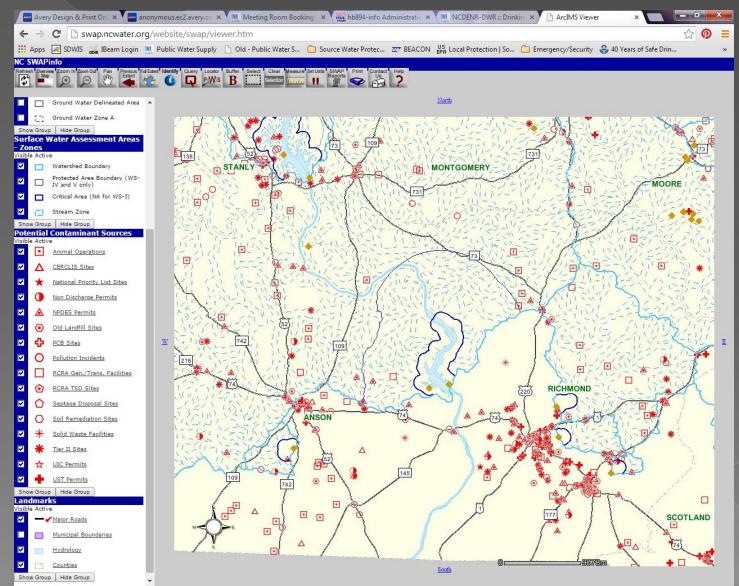
SWPP Tools

- SWAP report
 - Watershed areas
 - > PCSs
- SWAP application
- Project locator

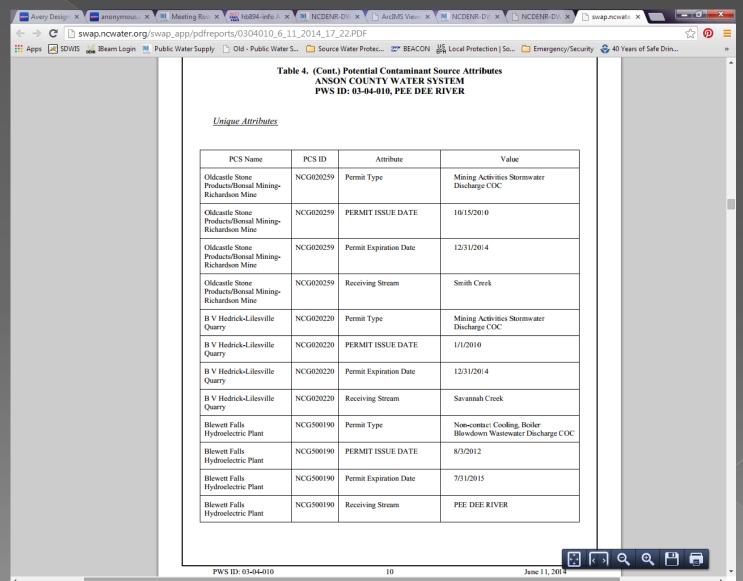
SWAP Report – Watershed Areas



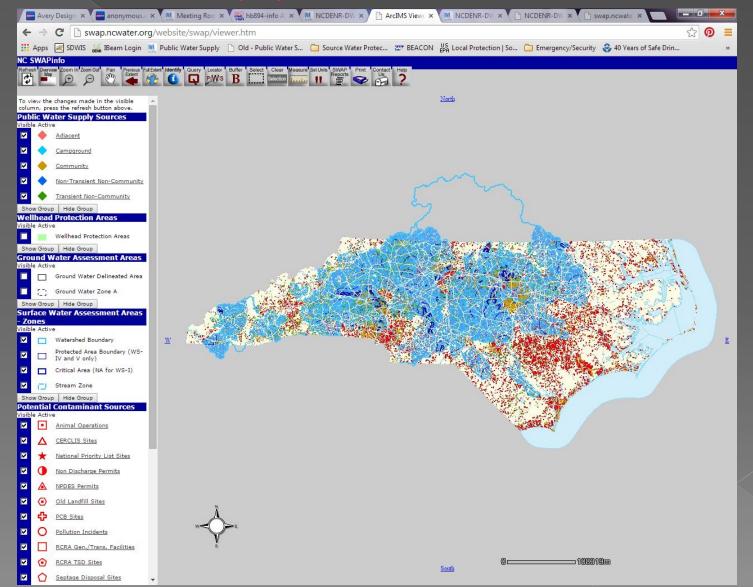
SWAP Report - PCSs



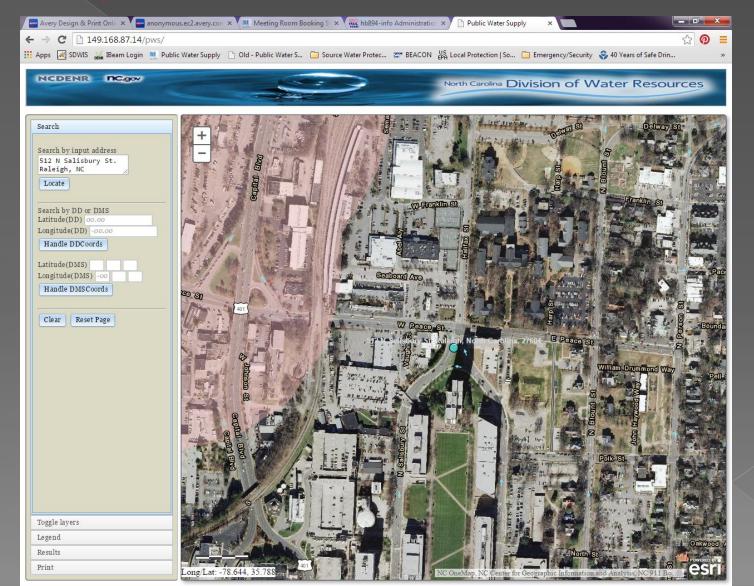
SWAP Report - PCSs



SWAP Application



Project Locator



Barriers

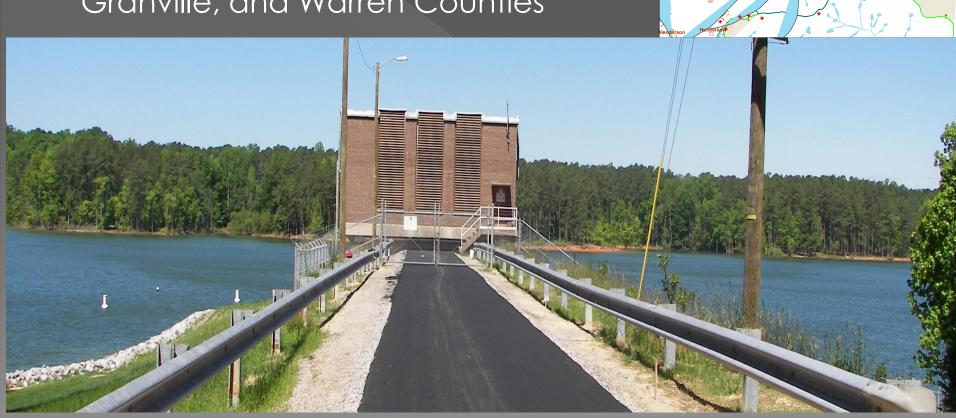
- Voluntary effort
- Length of process
- Staff turnover
- \$ for implementation

SWPP Plans

- 7 approved plans (3 incoming)
- 9 systems covered by plans
- 227,229 population served by systems covered by plans



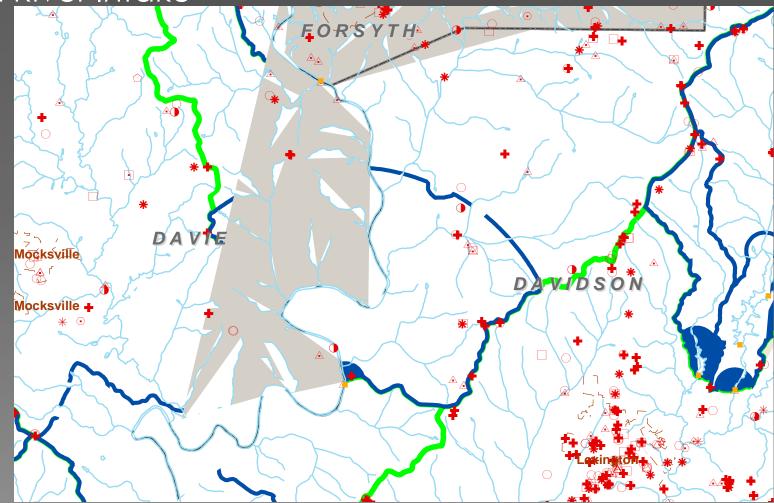
- Population served: 50,000+
- 1st approved plan in NC
- Supplies water to Vance, Granville, and Warren Counties







- Population Served: 130,000
- Yadkin River Intake



Davidson Water's Focus Areas

- Zoning –adopt newwater qualitypolicies
- Assist start-up of Yadkin Riverkeepers
- Education and outreach



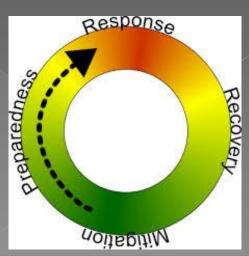


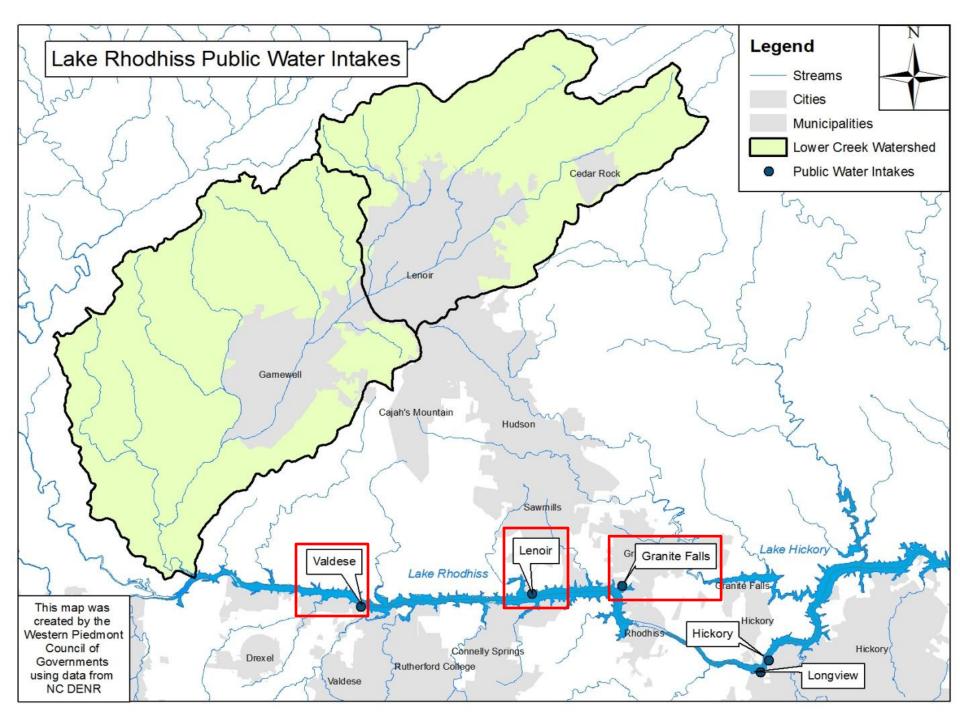
Marion SWP Plan Highlights

- Water quantity agreement (collecting data)
- Control of recreational activities
- Partnership with Extension Service
- Establish/maintain riparian buffers
- Emergency response planning









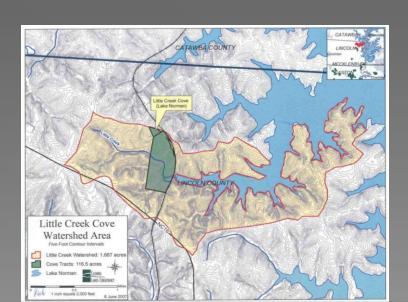
Lower Creek SWP Plan Highlights

- Adopt comprehensive ordinances to protect water quality improvement (stormwater, land use, buffers, slope)
- Develop public education program (clean-ups, BMPs)
- Continue to seek funding for preservation, restoration, and BMP projects
- Continue water quality monitoring
- Develop waste drop-off programs



Lincoln County Protection PlanningLand acquisition for conservation

- Create a SWP overlay district
- Enact stricter stormwater ordinances
- Assume buffer enforcement responsibility
- Reduce sewage lift station spills





Ty River Watershed SWP Plan Highlights

- Develop a cooperative agreement between multiple municipalities
- Develop a watershed stakeholder group
- Expand water quality monitoring
- Increase education and community involvement
- Ag BMPs planning and installation
- Funding
 - CWMTF
 - 319



Pilot Mountain SWP Plan Highlights

- Pursue Ag BMPs
 - Livestock
 - Timber harvesting
- Increase sampling to identify sources of FC
- Public Education
 - Signage
 - Storm drain stenciling
 - Support scouting projects
- Prioritize buffer enhancements
- Emergency response planning
- Emergency interconnection



Questions?

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