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
### Table 4: (Cont.) Potential Contaminant Source Attributes

**ANSON COUNTY WATER SYSTEM**

**PWS ID:** 03-04-010, PEE DEE RIVER

#### Unique Attributes

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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
Kerr Lake Regional Water Sys.

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

› Public education campaign
› Illegal stream dumping
› Incentives program
› Land acquisition
› Pollution reduction ordinances
- Population Served: 130,000
- Yadkin River Intake
Davidson Water’s Focus Areas

- Zoning – adopt new water quality policies
- 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 Planning

- Land acquisition for conservation
- Create a SWP overlay district
- Enact stricter stormwater ordinances
- Assume buffer enforcement responsibility
- Reduce sewage lift station spills
Ivy 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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