

# Session C1

## Implementing Protection Through Partnerships: State/Local/Tribal

# Session Outline

- Introduction
- Partnership Successes
  - Surabhi Shah, EPA HQ, formerly NC DENR
  - Paul Susca, NH DES
  - Jill Senter and Tim Moore
    - NH Conservation Commission
  - Sparky Anderson, TX Clean Water Action
- Path To Protection
  - Worksheets 3 (Partnerships) and 2 (Financial)

# Developing Partnerships for Source Water Protection



**Surabhi K. Shah**  
**US EPA**

# Presentation Overview

- **NC Success Stories Project**
- **Examples of SWP Successes**
- **SWAs – A Springboard for Protection**
- **Learnings from NC**

# From Assessment to Protection

## Challenges for States:

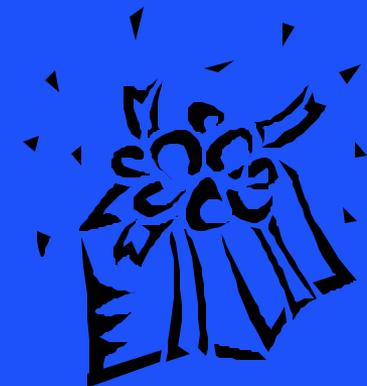
- Non-regulatory
- Funding
- New subject areas for staff
- New partners

# NC SWP Success Stories Project

- Stories of successful local SWP
- Practical examples of SWP efforts
- Variety of communities, projects
- Brief , journalistic
- Who, What, When, Where, Why
- HOW? (funding, other resources)

# Why Success Stories?

- A product which packages learning about SWP players, resources, efforts
- An easy way to transfer information to others
- For use in staff presentations and discussions with water systems



# SWP Success Stories Project

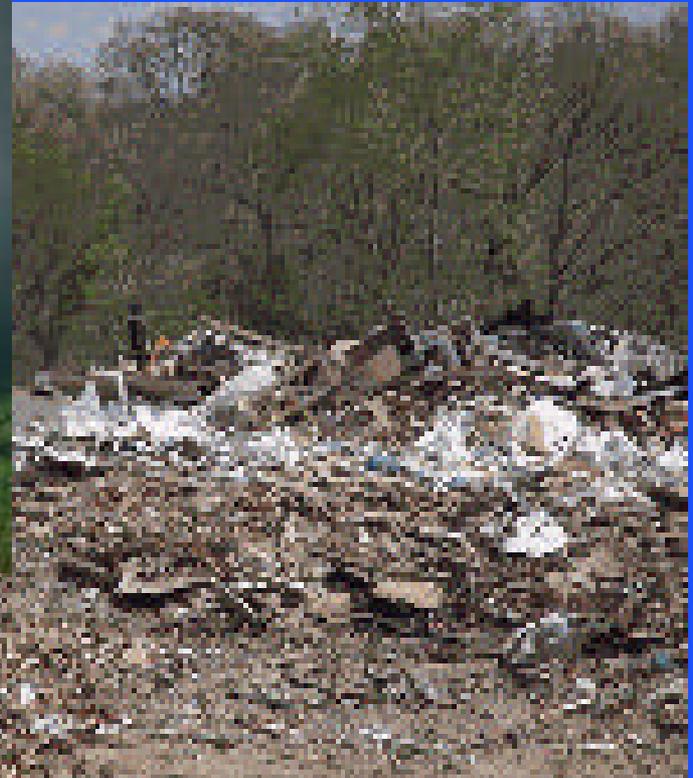
## Goals:

- Educate staff about current SWP in State
- Provide local governments and water systems with practical examples of SWP
- Highlight SWP projects completed by their peers in communities like theirs
- Encourage SWP networking among local governments and water systems in State

# Example SWP Success Stories

- **City of Burlington (Reservoir)**
- **The Little River Regional Park (Reservoir)**
- **Town of Black Mountain (Ground Water)**

# Little River Regional Park



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# Little River Regional Park

- A 391 acre tract of land bordering the water supply source of the Little River was on the market and being considered for a landfill
  - Durham County, Orange County, the Triangle Land Conservancy, and the Eno River Association worked together and bought the land
  - Creating a Low-Impact Recreational Park

# City of Burlington - pesticide removal

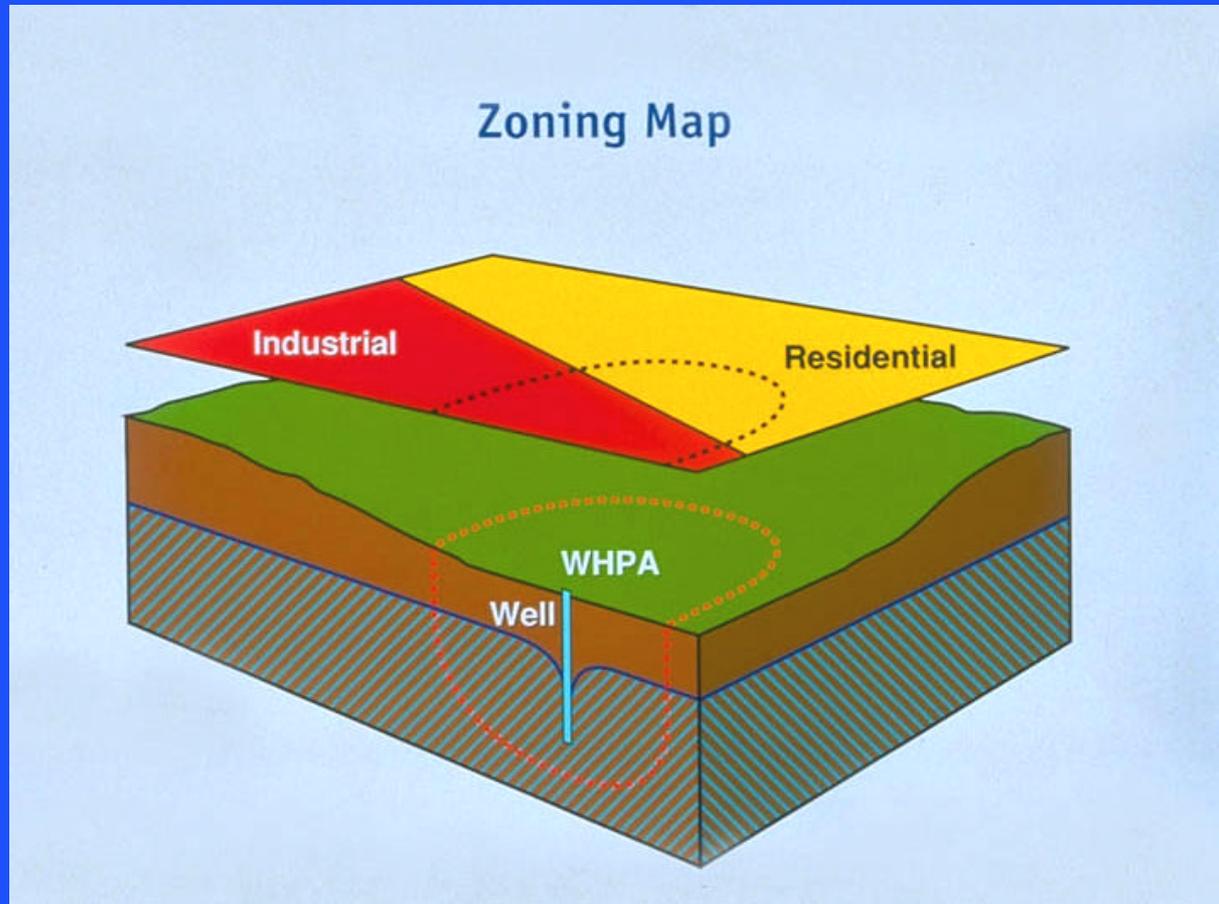


Pesticides from local agriculture were entering Burlington's water supply. Rather than further treat the water, Burlington used **Source Water Protection** and saved money.

# City of Burlington

- **Pesticide detected in the finished water**
  - Located pesticide source by monitoring
  - Public education and dialogue with the farmers through Ag Extension agents
  - Subsidized transition of farmers' practices
  - One-time cost of \$30,000 instead of \$100,000 *per year* for treatment using activated carbon

# Town of Black Mountain



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# Town of Black Mountain

- One of the nation's first WHP projects
- First groundwater protection effort for Land-of-Sky Regional Council (COG)
- Intern from UNC-Asheville
- Funding from Z. Smith Reynolds, EPA Region 4, and NC DENR

# Town of Black Mountain

- Surveyed WHP areas for PCSs
- WHP planning process identified illegal dump in railroad ROW
- Since WHPA was undeveloped, Town elected to create a Zoned Overlay District to limit potential for contamination

# Other Success Stories

- Asheville – City owned land, added easement
- Tiles Project – 205(j) grant, design contest
- Unifour – revolving loan program for septic tank repair in water supply watersheds
- Many more... come to the Resource Fair!

# Project Met Goals

- Educated staff about current SWP in State
- Provided local governments and water systems with practical examples of SWP
- Highlighted SWP projects completed by their peers
- Encouraged SWP networking among local governments and water systems in State

# Additional Benefits of Project

- Made State Agency known in SWP circles
- Identified Resources for SWP
- Identified SWP needs in State
- Created Fact Sheets for Web
  - Funding for SWP and
  - Support Organizations for SWP
- Identified SWP Partners

# Local SWP Needs Identified

- Well Abandonment
- Sedimentation
- Technical Assistance for SWP Planning for Surface Water (as NRWA for WHP)
- Local staffing for Local SWP programs
  - Local wells programs
  - Sedimentation control program

# SWP Partners Identified

- Land Trusts
- Technical Assistance Providers
- Agricultural Extension
- Soil & Water Conservation Districts
- State Programs (CWA, Waste Programs)
- Federal Programs (USFS, USGS)
- Environmental Finance Center (EFC) Network

# More SWP Partners Identified

- Local Planners – land acquisition
- Farmers – well abandonment, animal feeding
- Citizens – green space, recreation trails
- Pollution Prevention – implementing BMPs
- Councils Of Government – regional planning
- Funders – prioritizing projects

# **Source Water Assessments**

## **A Springboard for Protection**

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# Source Water Assessments

## What's In It For Systems

- PCS Inventory & Data Gathering done for you!
- Map-based info about their system on the Web
- Starting point for SWP Partnerships



# Rutherford County SWP Pilot

- 1 of 7 EPA-funded SWP pilot projects
- Convened by EFC @ UNC
- Overlapping jurisdictions in a Watershed
- Water Systems:  
Broad River Authority, Forest City
- “Competing” Water Systems

# Second Broad River



# Rutherford views their SWAP Results



# Assessments: A Starting Point for Partnerships

## Common Goal for Partners

- Encourage local partners to mark on SWA maps with local knowledge
- Written SWP Plan  
= SWP Funding Proposal

# Funding Partners?

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# “New” Funding Partners

- Western NC Housing Partnership
- NC Wildlife Resources Fund
- NC Natural Heritage Trust Fund
- NC Clean Water Management Trust Fund
- County Environmental Health Offices
- Universities
- Foundations, Environmental Non-Profits
- Councils of Government

# Taking it Home

- Identify a SWP Partner you could approach
- Identify a starting point for discussion:
  - An informational meeting / Cross-Briefing
  - An achievable joint project
    - Present at each others' annual conferences
    - Write in each others' newsletters
    - Publicize each others' events