

Sandhill Region Water: Current Reality

1. Stormwater management
 - High nutrient loads to surface waters (agribusiness, residential, golf courses)
 - More sprawl, lack of low-impact development
 - Outside industrial processes contaminating stormwater discharge
 - Stream channelization
 - Sedimentation and siltation of natural water bodies
2. Quantity and quality of drinking water prior to treatment
3. Lack of education and awareness for managers, engineers, architects, public, law makers
4. Lack of holistic water conservation policy and planning
 - Increase in water use (i.e., buildings, landscaping, golf courses, industry)
 - Water shortages due to interruption of hydrologic cycle by man; groundwater recharge can't keep up with demand
 - More withdrawal from natural sources than discharged back
5. Wastewater discharges to surface waters
6. Economic and political barriers
 - Limited funding for public water and sewer infrastructure
 - Sanitary sewer overflows
 - The \$ rules; profit comes before environment
7. Chemical contamination
 - Mercury
 - High pesticide and herbicide use in landscaping, agriculture, forestry, golf courses, residential
 - Groundwater pollution and contamination by chemicals and septic systems
 - Accidental spills (petroleum products)

Water Group Tuesday, May 6, 2003

Sharon Johnson-DENR-Pollution Prevention

Expectations: To learn more—emerging technologies; see goals and objectives for regional area to address impacts/issues

Herman Crawford - Water Mgmt. Branch at Fort Bragg—Better ideas on water conservation

Elaine Johnson – Sandhill Family Heritage Assoc. Concerns with low income citizenry—offer better quality of life

Gail Lindsey – Design Harmony; Architect doing sustainable design (worked on “greening” white House and Pentagon); solar energy studies; assisted in LEED rating system

Expectations: Meet water expertise to connect with and see action plan

Paul Roles—DENR, Fayetteville Region

Expectations: Learn more about plan of action and participate in it.

George Frank—ITAM Coordinator at Fort Bragg; concerned about water quality issues on Ft. Bragg

Expec: Change element in water

Jim Autry—City PWC Special Projects Division—Central hub for water, sewer, electric—partner with City on stormwater management.

Expectations: Become familiar with Ft. Bragg sustainable activity and participate in clean water natural resource vision.

Rob Duffy—Environmental Consultant ____Creek Company; Interested in moving outside the box and taking clients beyond compliance.

Mike Lopazanski--Policy Analyst with Div. Coastal Mgmt. See parts of process he can bring to coastal office.

Craig Lance—Water Quality Branch Chief Ft. Bragg: VERY Passionate!

Mike Ventoa—Turf Grass Mgmt. Sandhill Community College; Learn new ideas and ways of thinking about environment to help motivate students and dispel myths on how golf industry pollutes/treats water/land.

Melonie Allen

Desired End State

A Regional Community Committed to Valuing, Protecting, and Enhancing Water Quality and Quantity for the future

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The Sandhills Invites you to Enjoy its Heritage of Plentiful, High Quality, Natural Waters

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Sustainable Sandhills Water Strategies and Objectives
Wednesday May 7, 2003

Strategy 1: Develop Awareness/Education Programs

Objective 1 – Create a Sustainable Sandhills Water Team (SSWaT) that will be spear-headed by Fort Bragg; comprised of a cross-section of stakeholders in the Sandhill Region; and organized by May 2004

Objective 2 – SSWAT will develop Public Awareness Campaign with the leadership of local community outreach groups by 2006

Objective 3 – Begin implementation of Awareness/Education Programs by 2007

Objective 4 – Establish review/feedback and update process for continuous improvement by 2007

Strategy 2: Develop and Implement a Comprehensive Regional Drinking Water, Wastewater, and Stormwater Master Plan

Objective 1 – Create a Sustainable Sandhills Water Team (SSWaT) that will be spear-headed by Fort Bragg; comprised of a cross-section of stakeholders in the Sandhill Region; and organized by May 2004

Objective 2 – SSWaT will develop Comprehensive Drinking Water, Wastewater, and Stormwater Master Plan with input from regional stakeholders, by 2006 (e.g., Research and develop innovative treatment methods for drinking water)

Objective 3 – Seek general public comments on SSWaT Master Plan by 2007

Objective 4 – Begin implementing SSWaT Master Plan by 2008

Objective 5 – Establish review/feedback and update process for continuous improvement by 2008

Strategy 3: Create Economic and Political Incentives to Encourage Low-impact Development and Cleaner Industries

Objective 1 – Create a Sustainable Sandhills Water Team (SSWaT) that will be spear-headed by Fort Bragg; comprised of a cross-section of stakeholders in the Sandhill Region; and organized by May 2004

Objective 2 – SSWaT will develop economic and political incentives with input from regional stakeholders, by 2006

Objective 3 – Begin implementing SSWaT economic and political incentives by

2008

Objective 4 – Establish review/feedback and update process for continuous improvement by 2008

Key Input for Tasks

- Coordination/Identifying Key Stakeholders
- Looking for funding-pooling resources
 - DENR “Clean Water MGT Trust Fund”
- Identifying priorities
- Champions for strategies
- Creating buy-in
- Develop short-term, mid-term, long-term schedule
- Develop a “critical path” schedule and budget

- Create Sustainable Sandhills Steering Committee under which five sub-committees will fall (water, air, energy, materials and waste, landuse)
- Connection to integrated sustainable sandhills plan/committee

Key Stakeholders

Government

Fort Bragg

DENR

Utility Directors (POTW)

NC Utility Commission

7 Counties

League of Municipalities

League of County Commission

Council of Govt.

City & County Health Dept. and Planners

Chamber of Commerce

NC Dept. of Commerce and Ag

NRCS

Soil & Water Conservation District Reps

Farm Bureau

FWS

COE

NC Homebuilders Assoc.

NC Dept. of Transportation (NCDOT)

NC Rural Development

U.S. EPA

Southeast Natural Resource Leaders Group

Industry/Business

Industry Trade Associations

Agribusiness Associations

NC State Cooperative Extensions

County Realtor Association

Golf Course Association???

Kelly Springfield

Black and Decker

Plant Manager Assoc.

Small Business Assoc.

Community

Sandhills Family Heritage

Environmental Special Interest Groups

Save our State

Conservation Trust for NC: Resource for info. on Env. orgs

Sandhills Landtrust Conservancy
Cape Fear River Assembly
The Nature Conservancy

Youth Organizations

DENR Office of Env. Ed
Schools
Girl Scouts
Boy Scouts