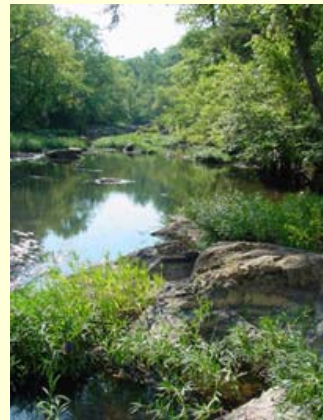




# **Upper Neuse River Basin Association Planning Framework**

**July 6, 2009**

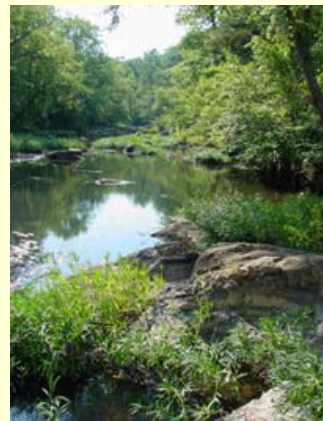


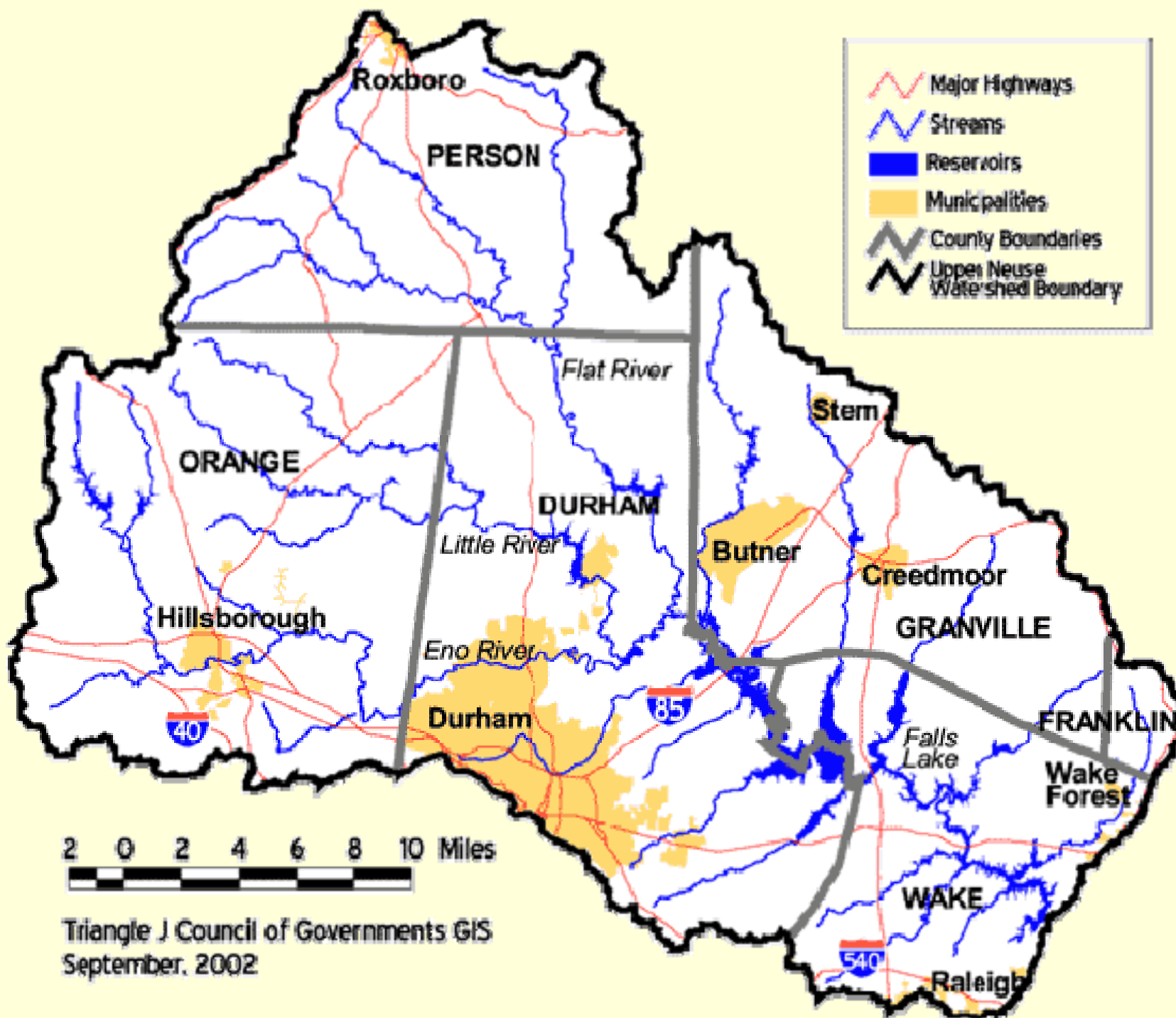


# UNRBA Mission Statement

**To preserve the water quality and to cooperate on water supply issues within the Upper Neuse River Basin by:**

- Pooling financial resources and expertise
- Analyzing information and data
- Developing, evaluating and implementing cost-effective pollution reduction strategies

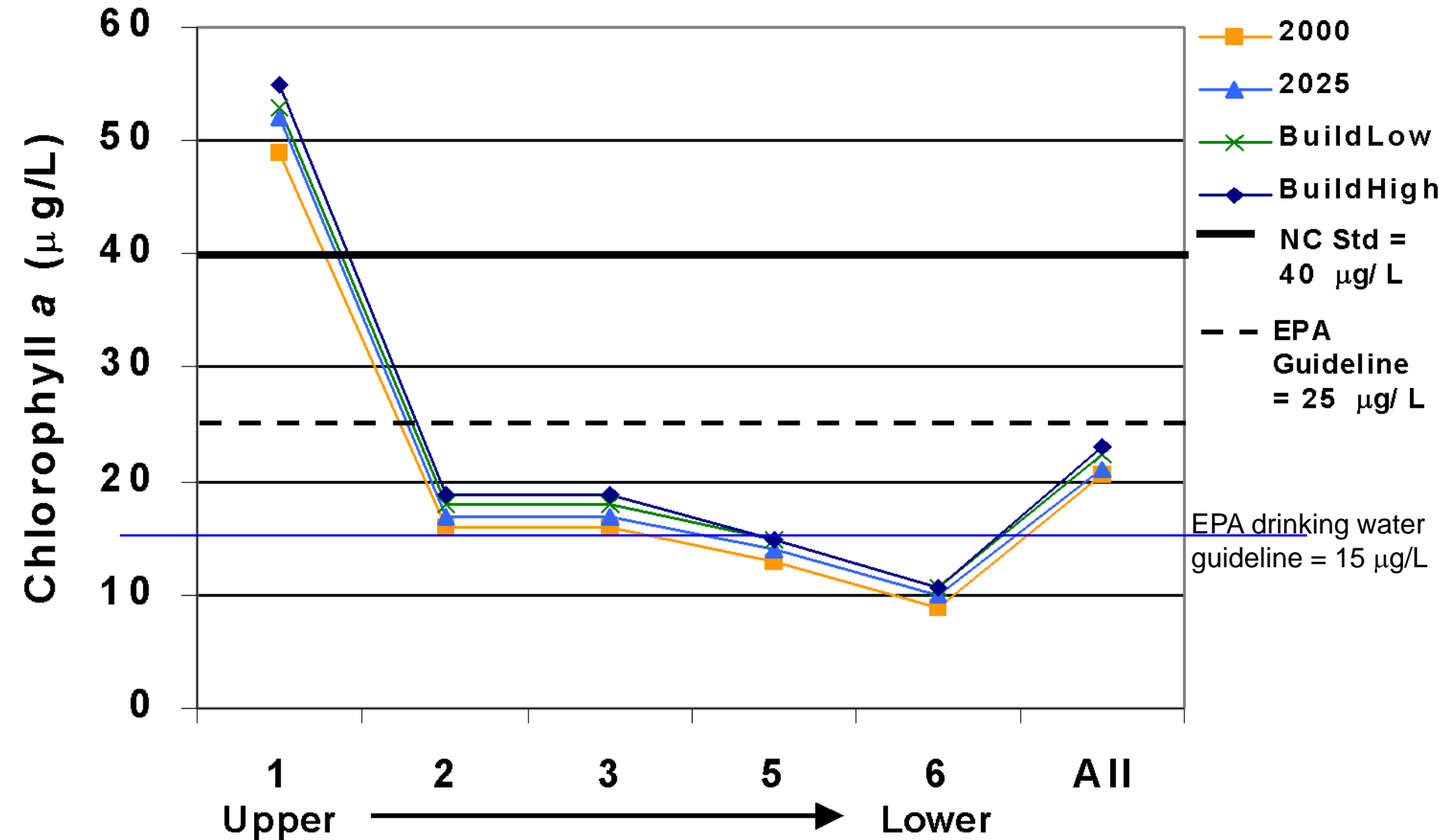




Triangle J Council of Governments GIS  
September, 2002



# Plan's Year 2000 Predictions of Water Quality Conditions in Falls Lake

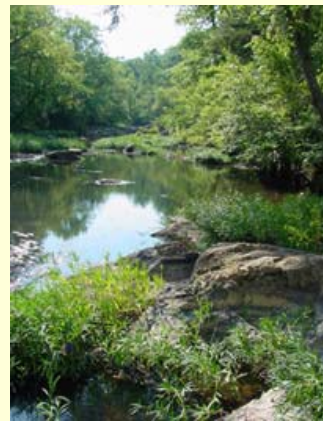




# UNRBA's Upper Neuse Watershed Management Plan

Plan designed to address primarily

1. Nutrients & Algae
2. Sedimentation and Erosion

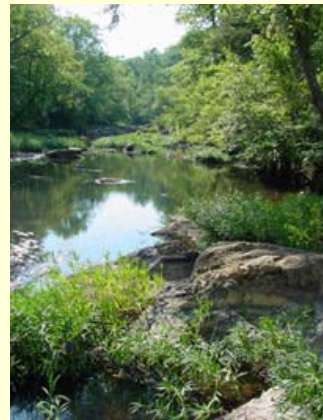




# UN Watershed Management Plan Strategies

## Five categories:

- New Development Site Management
- Monitoring and Enforcement
- Watershed Stewardship/Citizen Education
- Watershed Restoration
- Point Source Controls





# Implementation Planning: For each strategy...

- Recommendation Sheets: fleshing out strategies with additional stakeholder involvement
- Focus Areas: where strategies are most needed
- Local Management Strategy Review Templates: surveying local gov. programs

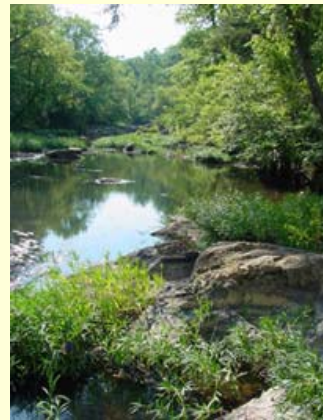
**Strategy-Specific Documents available online:**

**[www.unrba.org/mgmtplan.htm](http://www.unrba.org/mgmtplan.htm)**



# Local Mgmt Strategy Reviews

- Objective: understand whether and how each strategy's steps are being implemented
- Focus is on program characteristics and interdepartmental coordination, not specific requirements (eg density limits)
- Who does what, and how





## Strategy #6: Enhanced Septic Systems Maintenance & Inspections Program

# Example

<b>Jurisdiction:</b>	Durham County	<b>Date:</b>	5-Jun-09
<b>Your Dept.:</b>	Durham County Health Department	<b>Your Name:</b>	Robert Jordan

### LOCAL MANAGEMENT STRATEGY REVIEW

**Basic Implementation Steps & Alternatives:** If you check the box, please describe how this is done in the space below next to each step. Also, if you are considering a related initiative, please describe it here.

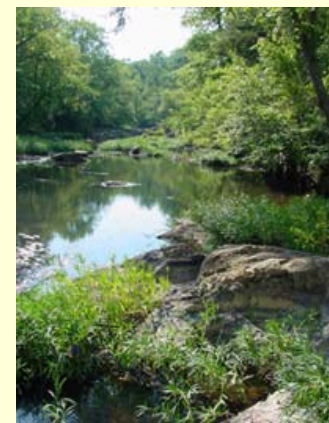
<input checked="" type="checkbox"/> 1. Local environmental health department reviews all building permits for additions or modifications to structures that utilize a septic system to assure no damage to the septic system will occur during or following construction	<i>We also assure that adequate setbacks are maintained from existing wells.</i>
<input checked="" type="checkbox"/> 2. Create, implement, and maintain a GIS database of existing septic system and well locations. Maintain a database of mailing addresses for properties, current property owners, and inspections information (histories, system type, etc.)	<i>This is a project we began about a year ago. This database only consists of new systems being installed and older systems we return to for septic and/or well repairs. We do not have a database for all systems in the county at this time. Budget/staffing issues prevent a position from being dedicated to this full time. Even with one position dedicated solely to this, it would be a lengthy project.</i>
<input type="checkbox"/> 3. Adopt an inspections & maintenance program under which ALL systems are inspected on a schedule determined by selecting one of the three approaches listed below (A, B, or C). Please describe at right how failing systems are addressed.  <div style="border: 1px solid black; padding: 2px; width: fit-content;">Please pick one: <span style="float: right;">▼</span></div>	<i>State sewage regs require that certain systems (based on system type) be inspected at certain intervals. We do not inspect all systems in the county. Currently we monitor approximately 150 systems per year. Failing systems must be repaired. Permits are issued by the HD for these and inspections conducted on any work before it can be approved.</i>
<input checked="" type="checkbox"/> 4. Maintain a list of certified installers and inspectors in your area and require that all inspections, installations, and repairs be performed by a certified installer/inspector	<i>This is now a state requirement to which we adhere.</i>
<input checked="" type="checkbox"/> 5. Create and implement a mechanism to educate septic system owners and users about proper maintenance. Select which of the following alternatives you use, or describe your method at right.  <div style="border: 1px solid black; padding: 2px; width: fit-content;">A. Conduct outreach at regular intervals (specify interval) <span style="float: right;">▼</span></div>	<i>Written maintenance info is provided to owners of all new systems which require monitoring, and upon change of ownership on systems which require monitoring. Additionally, an annual brochure mailed to county residents includes a section on septic system maintenance.</i>

**Above & Beyond Basic Implementation:** If you check the box, please describe how this is done in the space below next to each step.

1. Offer local training activities that comply with continuing education requirements prescribed by the NC On-Site Wastewater Contractor and Inspectors Certification Board to help local inspectors and installers to maintain their certifications. Check all that apply:	<i>By legislative act, the Septic Contractors Certification Board now holds sole authority to conduct training for certified contractors.</i>
A. Training activities are conducted by the local government	<input type="checkbox"/>
B. Trainings are held in conjunction with other local governments or organizations, such as the UNRBA or Cooperative Extension	<input checked="" type="checkbox"/> <i>Staff conduct training during the annual On-Site Wastewater Conference in Raleigh, and other state level workshops.</i>

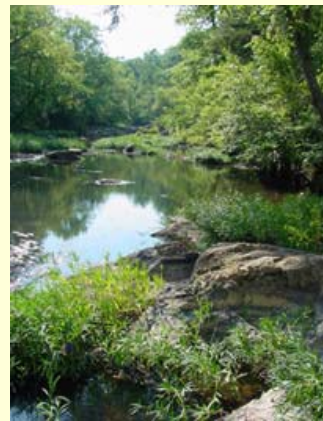
### ADDITIONAL NOTES / COMMENTS / ACTIVITIES UNDER LOCAL CONSIDERATION

All illicit discharges involving septic systems (complaint driven but city does analyze outfalls), comes to planning and they issue an NOV if necessary. County can't do much besides issue NOV and notify County Health. If sewer is available nearby, Health Dept or DWQ let engineering know that the there are programs and funding available for individual septic systems.



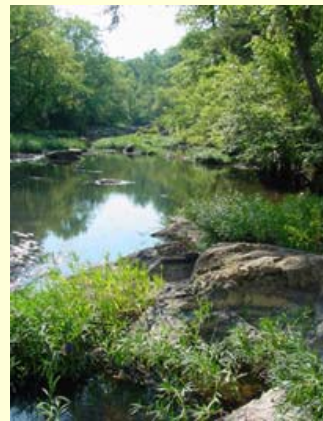
# Local Mgmt Strategy Reviews

- Nearing completion:
  - Septic system inspections
  - Riparian buffers
  - Critical lands protection
  - SEC inspections & enforcement
  - Stormwater control inspections
- Starting:
  - Performance standards / density limits for nutrient reduction
  - LID Education



# Wrapping up LMSRs

- Local involvement is critical!
- Completing Nutrient Reduction & LID Education reviews
- Opportunity for members to review and correct work
- Publish
- What findings/conclusions would be useful?



# UNRBA Contacts



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