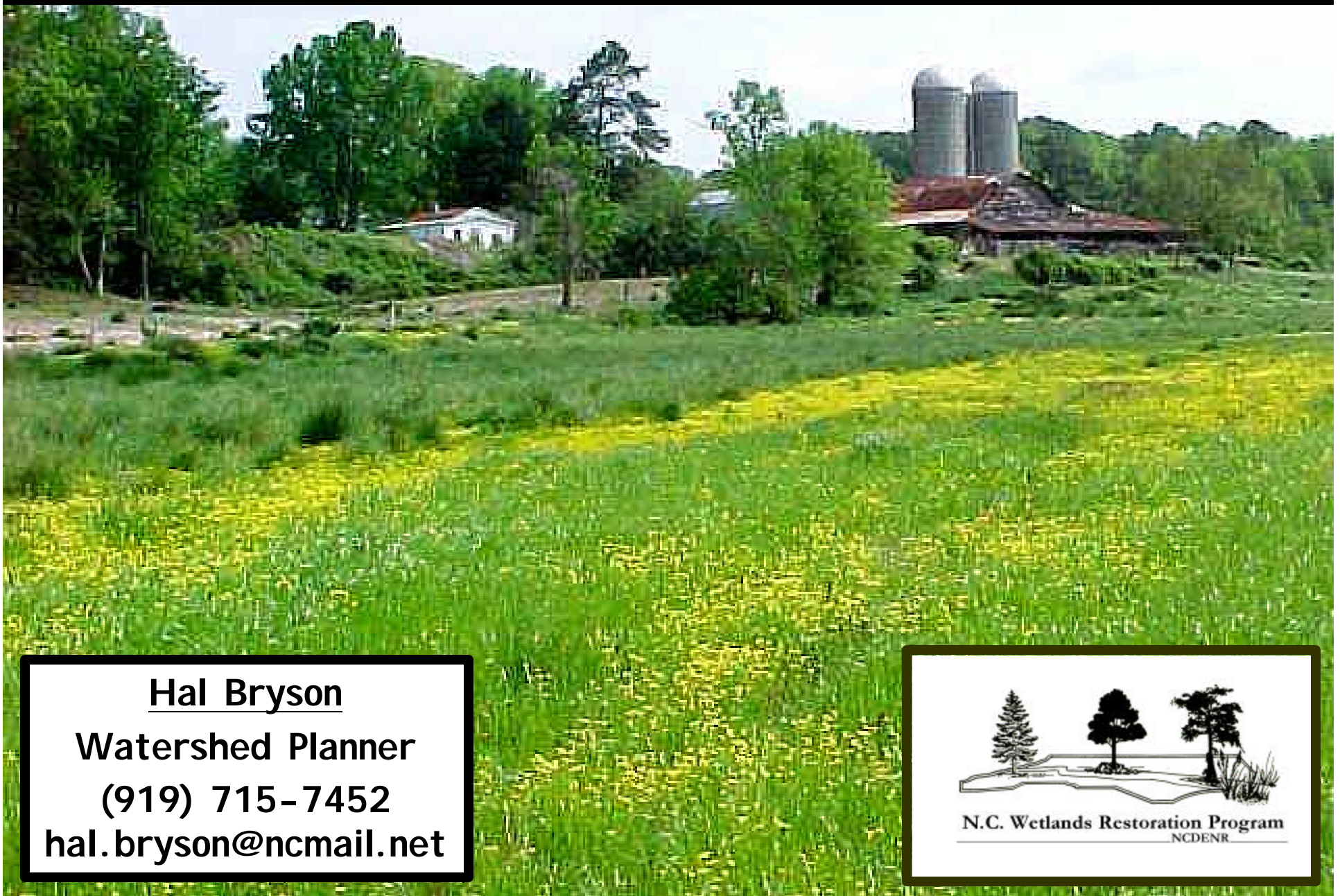


North Carolina's *Ecosystem Enhancement Program*



Hal Bryson
Watershed Planner
(919) 715-7452
hal.bryson@ncmail.net



Ecosystem Enhancement

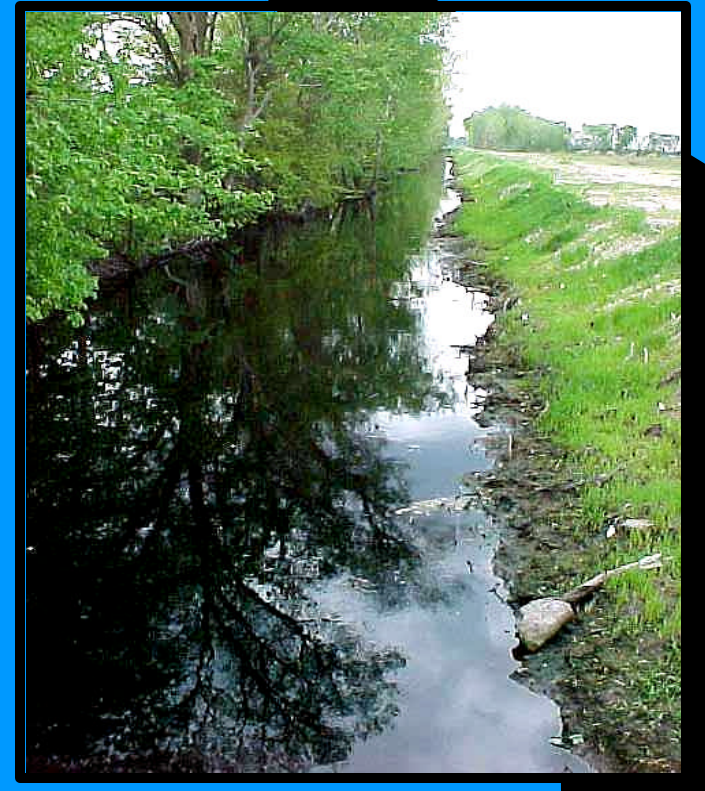
Program "EEP"

■ July 2003 Cooperative Agreement

- **NCDOT** - road & bridge projects
- **NC DENR** - stream regulators (DWQ) & restoration specialists (WRP)
- **US Army Corps of Engineers** - waters/wetlands regulators

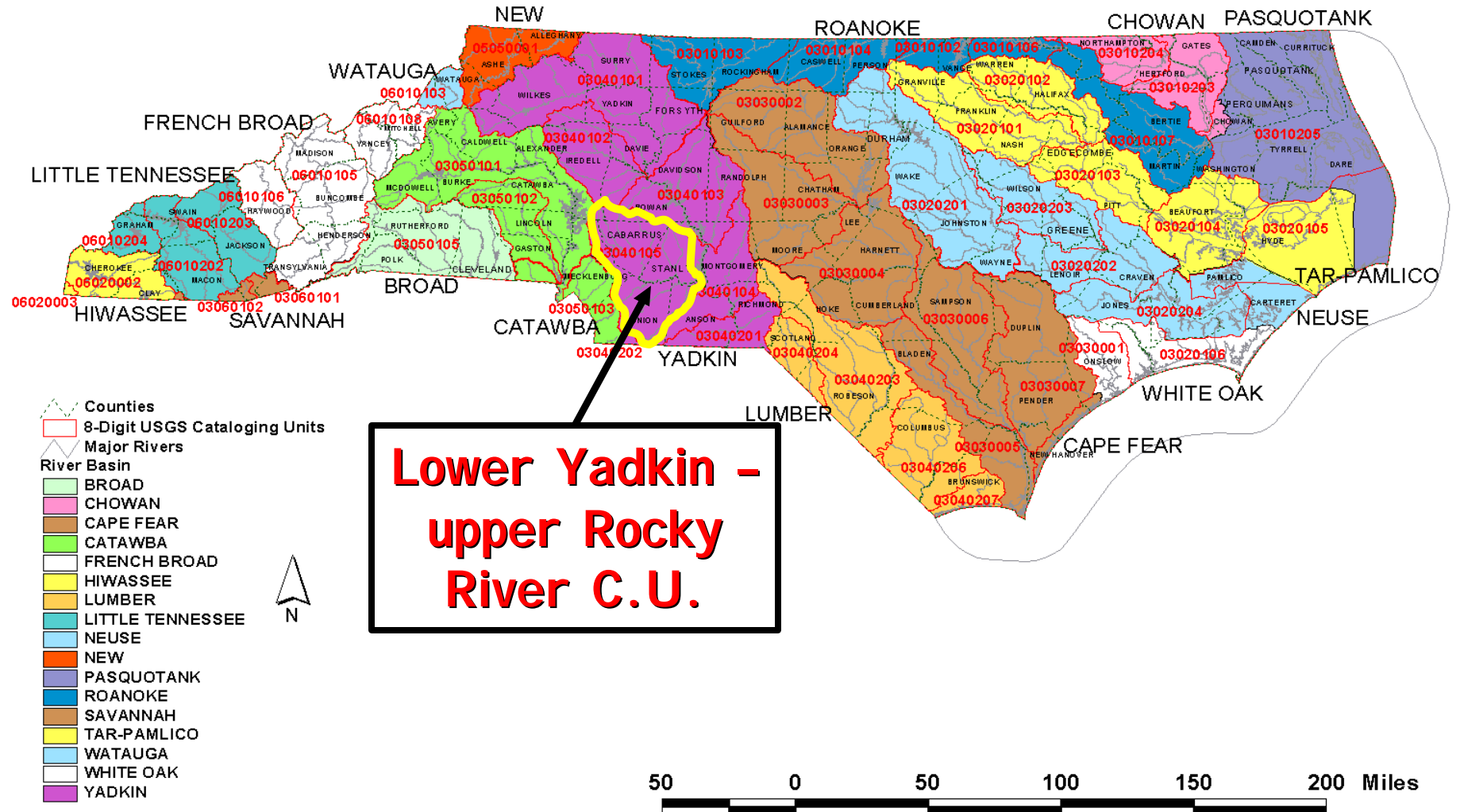
■ Primary Objectives

- **Local watershed planning**
- **Ecologically effective mitigation in advance of permitted impacts**
- **Projects to Improve/Restore watershed functions**
- **Streams, Buffers, Wetlands**
- **Water quality ~ Habitat ~ Flood management**

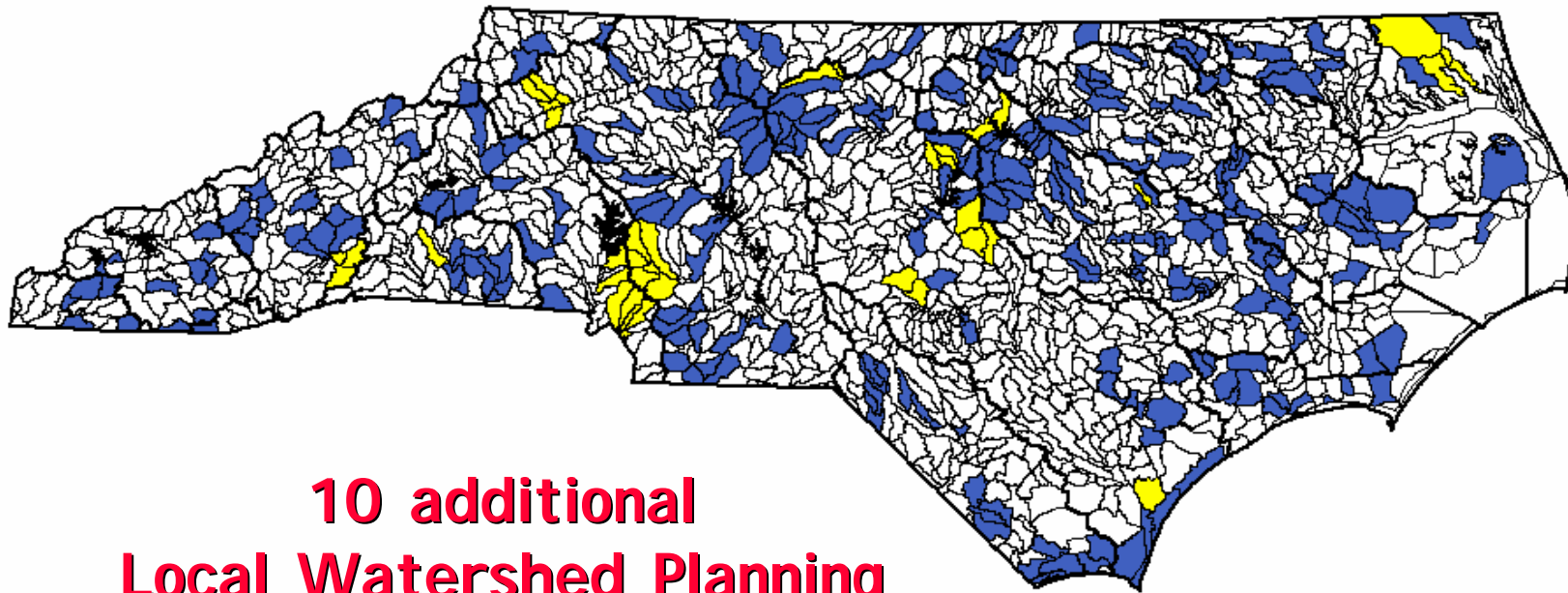


USGS 8-DIGIT CATALOGING UNITS- NORTH CAROLINA





High-Priority C.U.s = Large Projected Impacts to Streams, Buffers, Wetlands

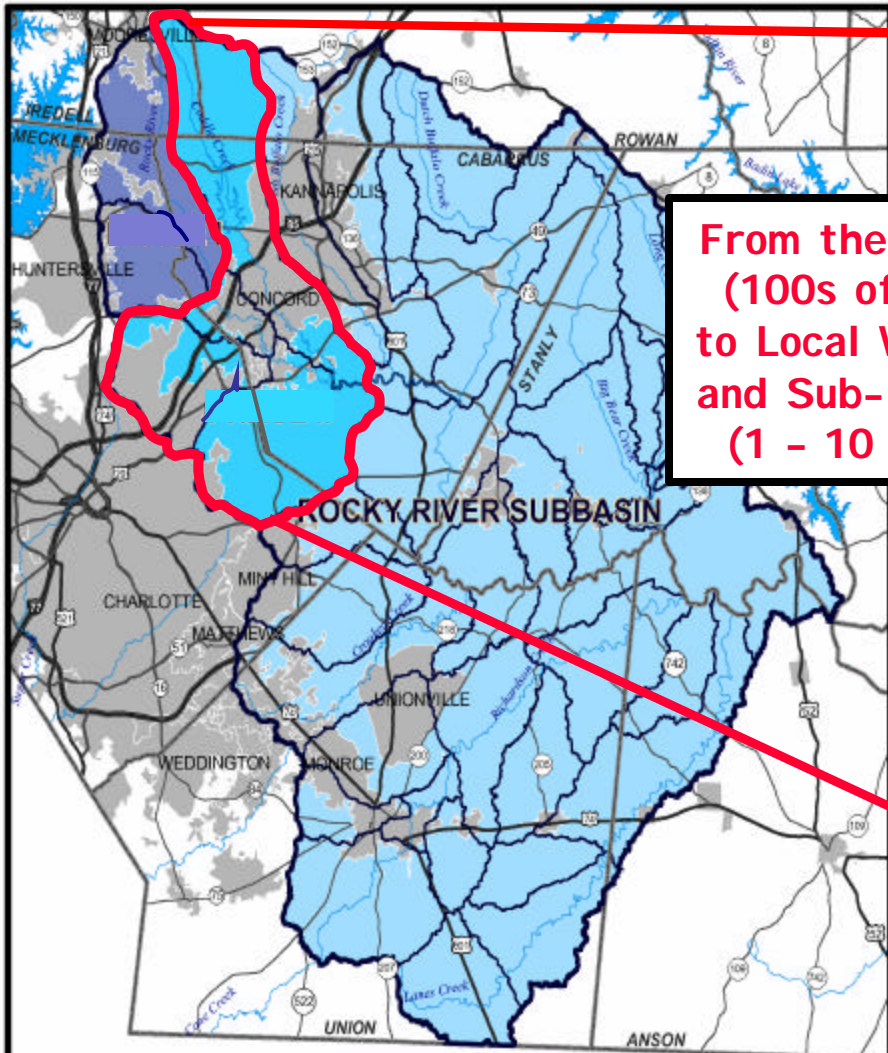


**Targeted Local Watersheds are
14-digit "Hydrologic Units" [$\sim 10\text{-}100\text{ mi}^2$]
*with the Need & Opportunity for Restoration
and/or Protection***

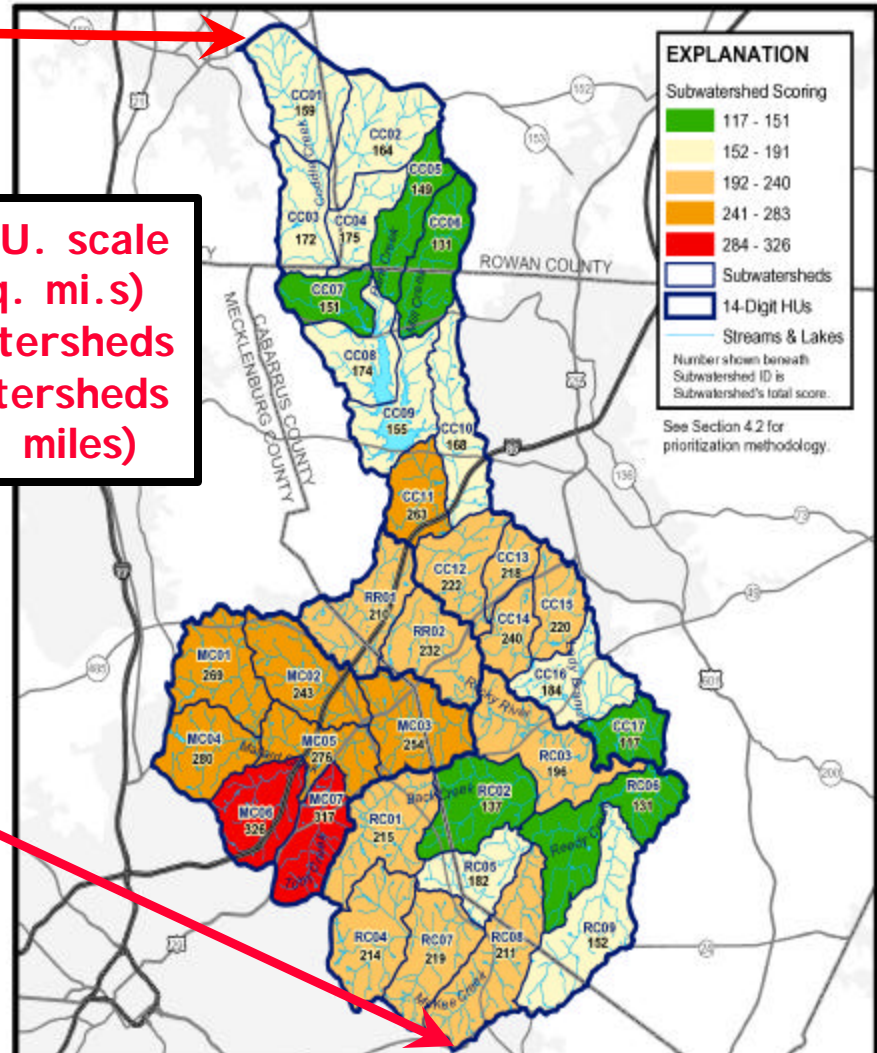


**10 additional
Local Watershed Planning
(LWP) initiatives begun summer
2003**

-  River Basin
-  LWP TLWs (as of Feb. '03)
-  TLWs statewide (as of Aug. '02)
-  Local Watershed Boundary



From the C.U. scale
(100s of sq. mi.s)
to Local Watersheds
and Sub-watersheds
(1 - 10 sq. miles)



EXPLANATION

Subwatershed Scoring

- 117 - 151
- 152 - 191
- 192 - 240
- 241 - 283
- 284 - 326

Subwatersheds
14-Digit HUs
Streams & Lakes

Number shown beneath Subwatershed ID is Subwatershed's total score.

See Section 4.2 for prioritization methodology.



Data Source(s): NCCGIA
Prepared / Date:
Checked / Date:

NC Wetland Restoration Program
Lower Yadkin LWP (Phase II)
Rocky River Subbasin (03040105)



Project Study Area Location
Project 6470030020 Figure 1



Data Source(s): NCCGIA, USFWS, NRCS, Cabarrus, Iredell, Mecklenburg & Rowan Counties
Prepared / Date:
Checked / Date:

NC Wetland Restoration Program
Lower Yadkin LWP (Phase II)
Rocky River Subbasin (03040105)



Subwatershed Scores
Project 6470030020 Figure 41

Why the Upper Rocky River Watersheds?

- Past and current **water quality impairment & habitat degradation**
- Good **sites for watershed restoration projects**
- Good **local partnerships** with resource agencies and cities/counties
- Projected **future impacts** from road projects and new development



4 Major Elements of Local Watershed Plans

✓ Inventory & Assess Watershed Conditions

- What are major historical, current & future watershed problems?

⇒ Involve Stakeholders!

- What are the concerns & priorities of local resource agencies, towns/counties, land trusts, residents?

✓ Identify Solutions

- What types of watershed projects & management strategies will work best, and in what sub-watersheds?

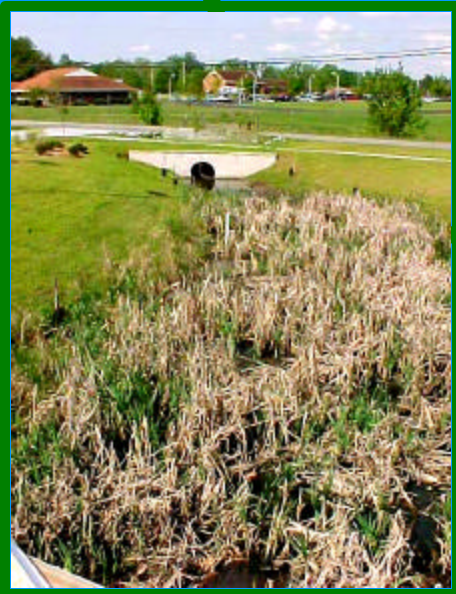
✓ Implement Solutions

- Who has the \$\$ to design, construct, maintain & monitor the watershed projects...?



Overlapping Objectives

Habitat & Water
Quality Protection/
Restoration

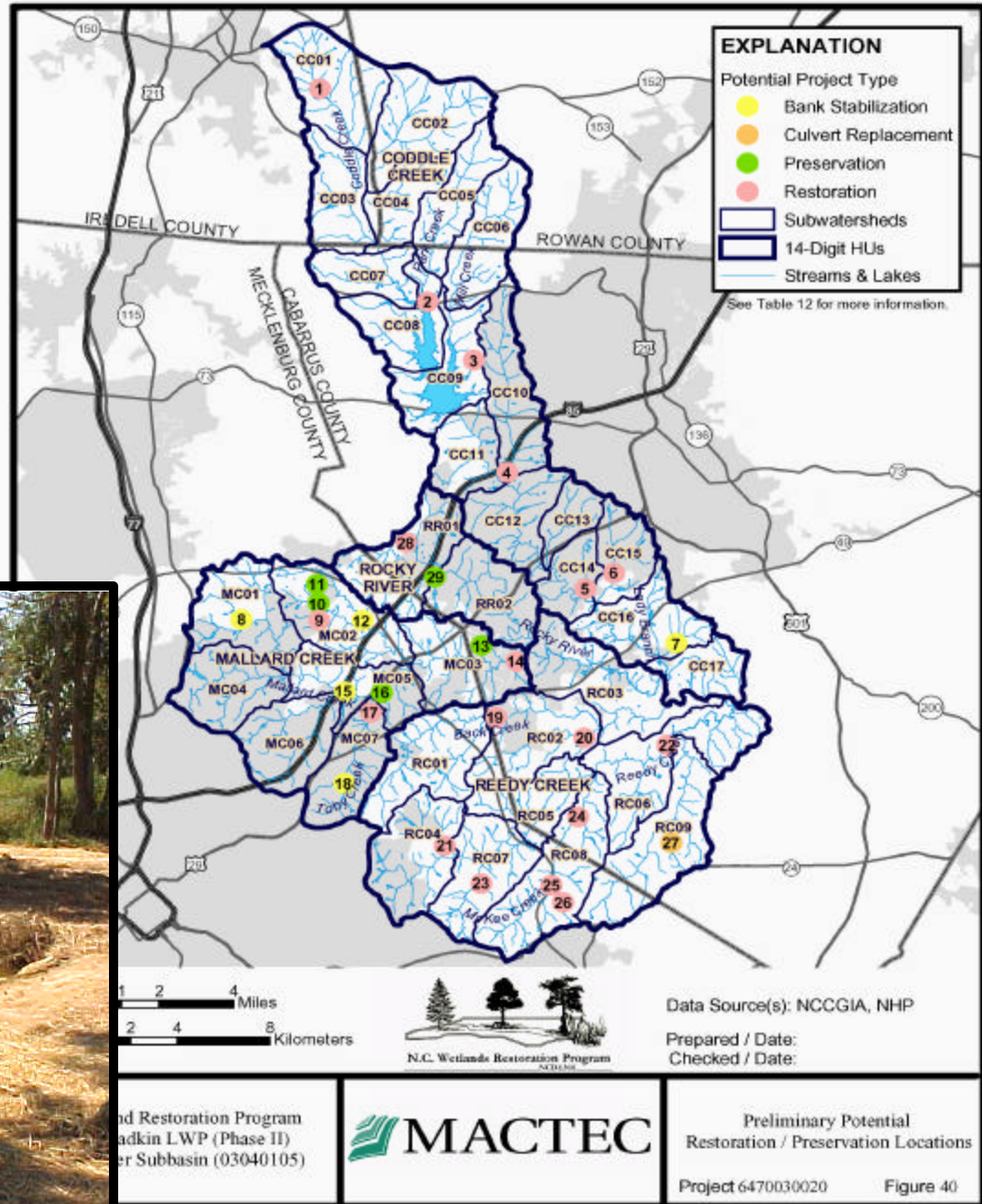


Compensatory
Mitigation Needs
amount & type of watershed
impacts from roads, new
development

Community
Priorities

*The Best
Watershed
Projects!*

**Watershed
Projects include
stream & wetlands
restoration, buffer
restoration &
preservation, and
storm water
BMPs/retrofits**



**Thanks for your interest
and your participation!**

<http://h2o.enr.state.nc.us/wrp/index.htm>