

# Stoney Creek Watershed Restoration Plan



Phase IV: Implementation  
...Because a Plan is Not Enough

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KCI Technologies, Inc.





Opportunity is Missed by Most People  
Because It Is Dressed in Overalls  
And Looks Like Work

Thomas Edison

Don't Believe Everything You Think

❖Unknown Author

The Moral of the Story:  
It will take both hard work and  
a cooperative team effort  
to achieve great success.



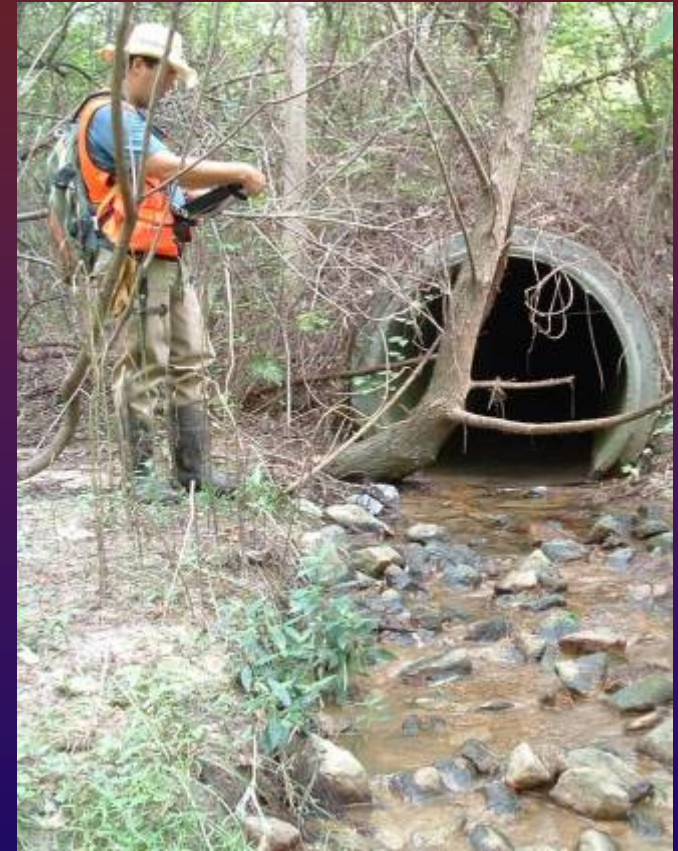
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# Presentation Overview

- ❖ Introduction
- ❖ Keys to Success
- ❖ Project Overview
- ❖ The Stoney Creek Plan
- ❖ Phase IV - the Legwork
  - The Best Sites
  - Personal Outreach
  - Other Components
- ❖ Current Status and Future Plans
- ❖ Lessons and Recommendations



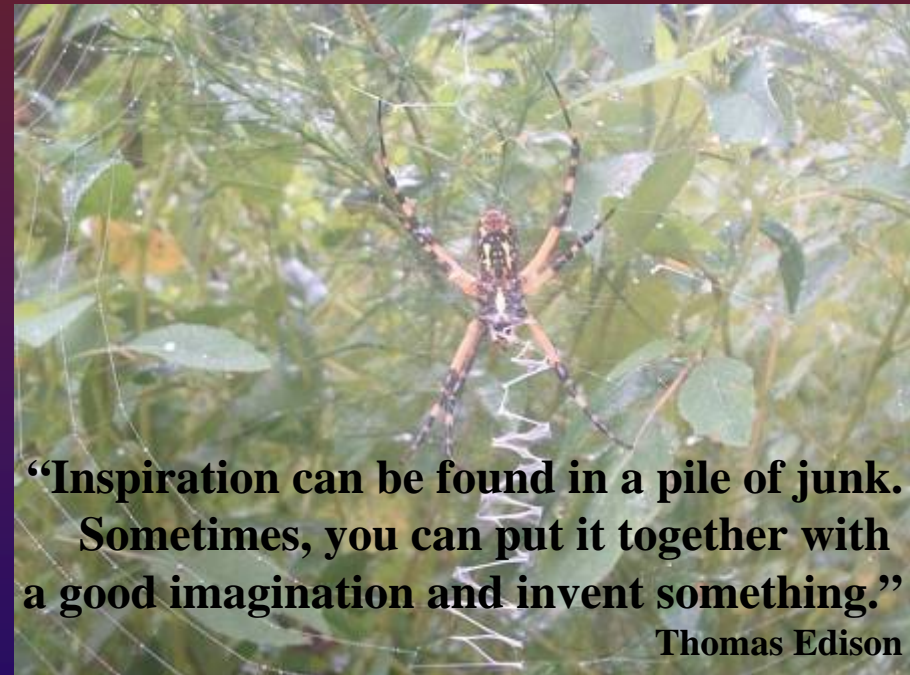
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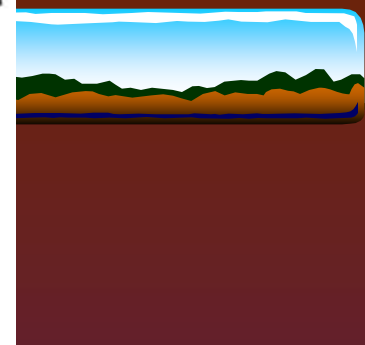
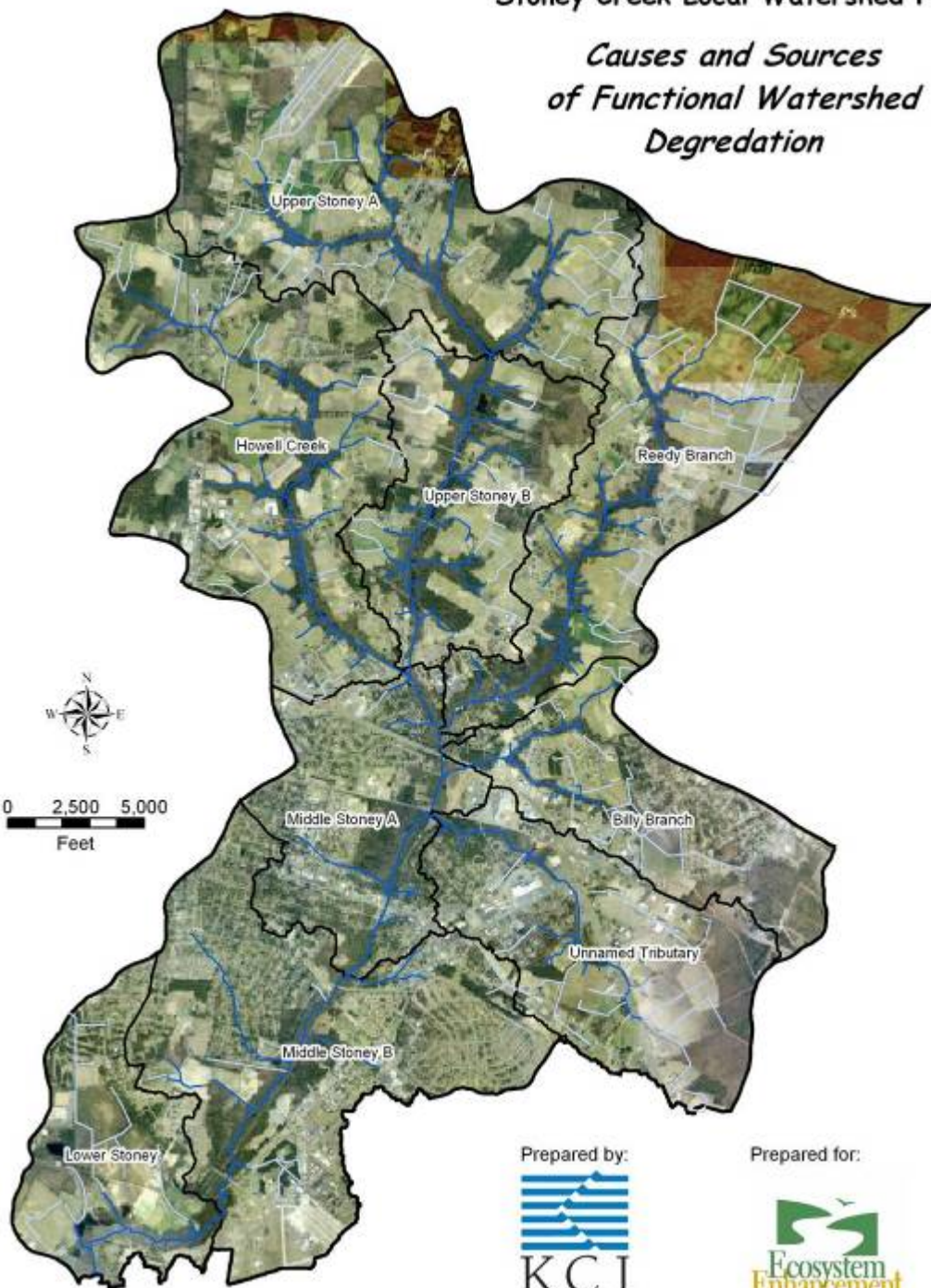


# Keys to Success

- ❖ Know What You Want
- ❖ Use a Cooperative Approach
- ❖ Share Your Information
- ❖ Take the Lead
- ❖ Got Stick-to-it-tive-ness
- ❖ Find Success Everywhere
- ❖ Strictly Maintain Flexibility
- ❖ Look for Opportunities



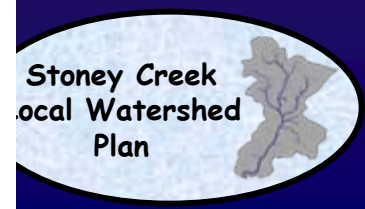
*Causes and Sources of Functional Watershed Degredation*



Prepared by:

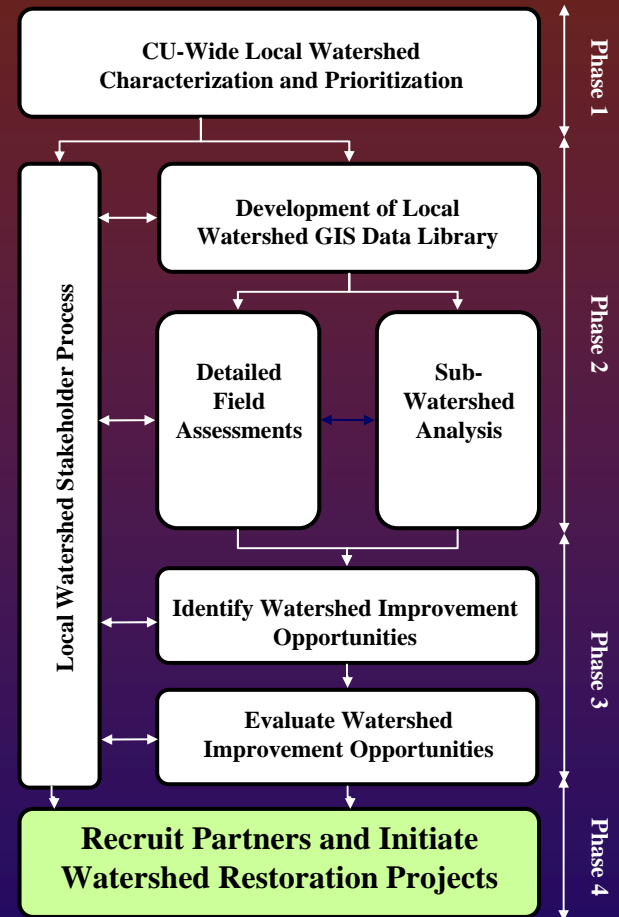


Prepared for:



# Who Is Involved

- ❖ NC EEP - Rob Breeding, Julia Hunt and Jeff Horton
- ❖ KCI Technologies - Environmental Team
- ❖ NC DWQ - Jim Blose and Kathy Paull
- ❖ NC CES-WECO - Patrick Beggs and Christy Perrin
- ❖ Wayne County Planning - Connie Price
- ❖ City of Goldsboro - Planning and Others
- ❖ Seymour-Johnson AFB - Ronnie Wilson
- ❖ USDA-NRCS - Patty Gabriel
- ❖ Wayne County SWCD - Andy Miller
- ❖ Mayes Wilson Associates - Carol Mayes



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# What Have We Done

- ❖ Develop watershed improvement solutions to identified problems to address key watershed functions
  - Key Watershed Functions
    - Water Quality
    - Hydrology
    - Habitat
  - Identify Problems
    - Detailed Field Survey
    - Sub-watershed Analysis
  - Develop Watershed Improvement Solutions
    - Stream, Wetland and Buffer Projects
    - Agricultural and Stormwater BMP's



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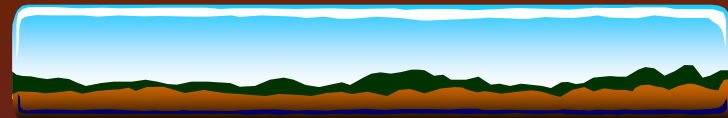
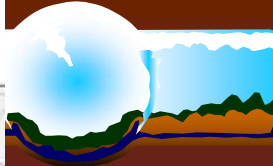
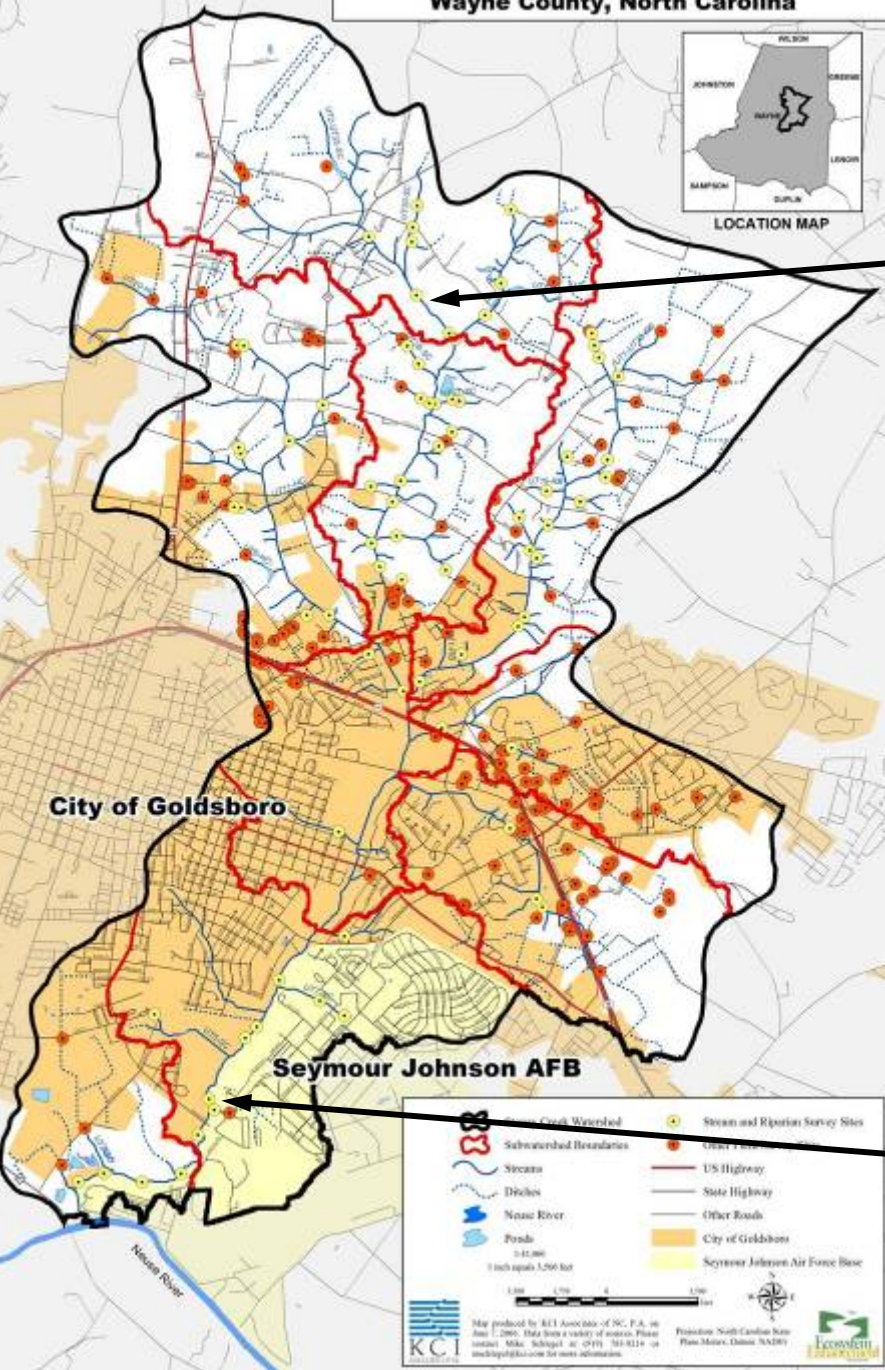


# Stoney Creek Watershed

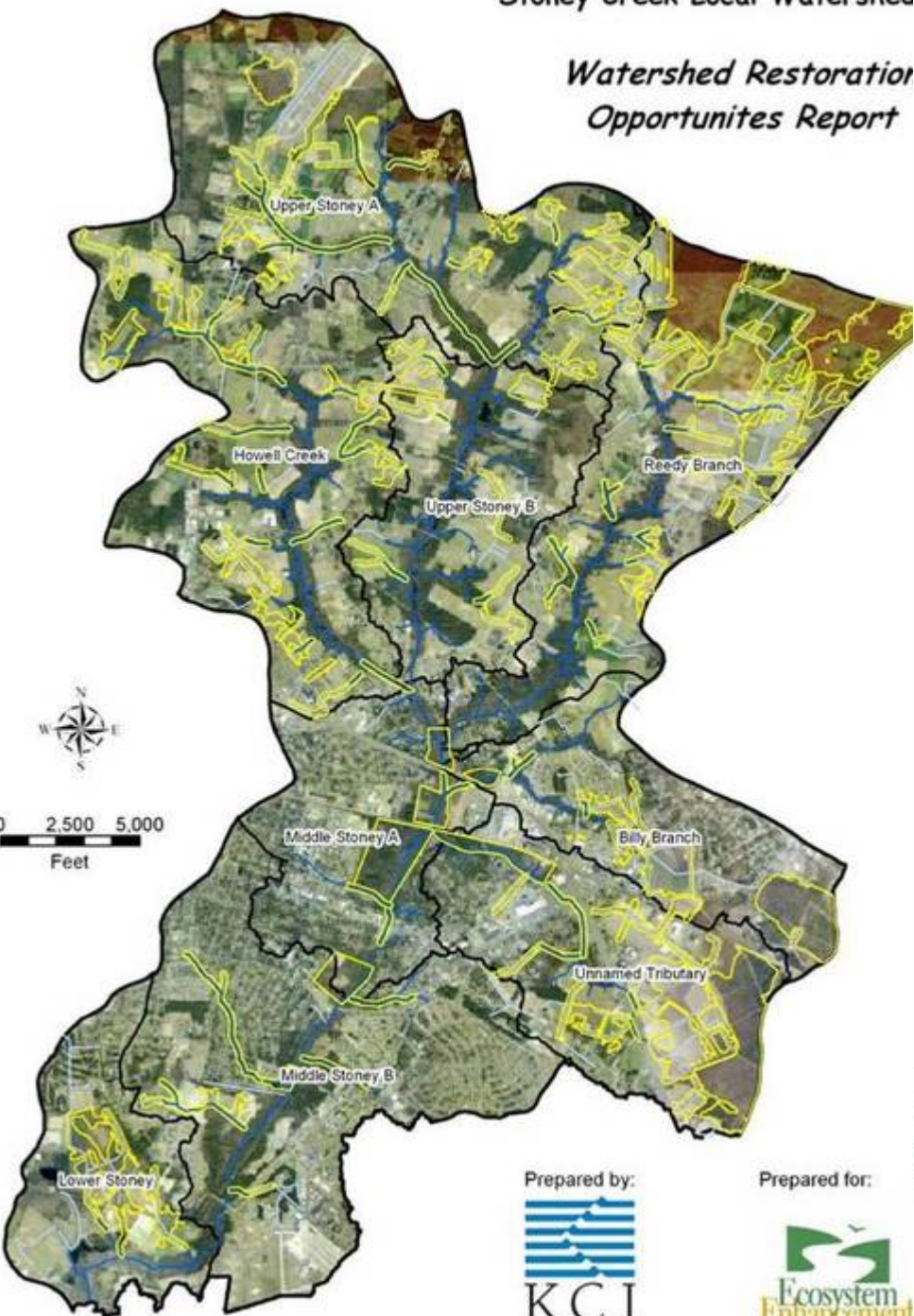
## Wayne County, North Carolina



LOCATION MAP

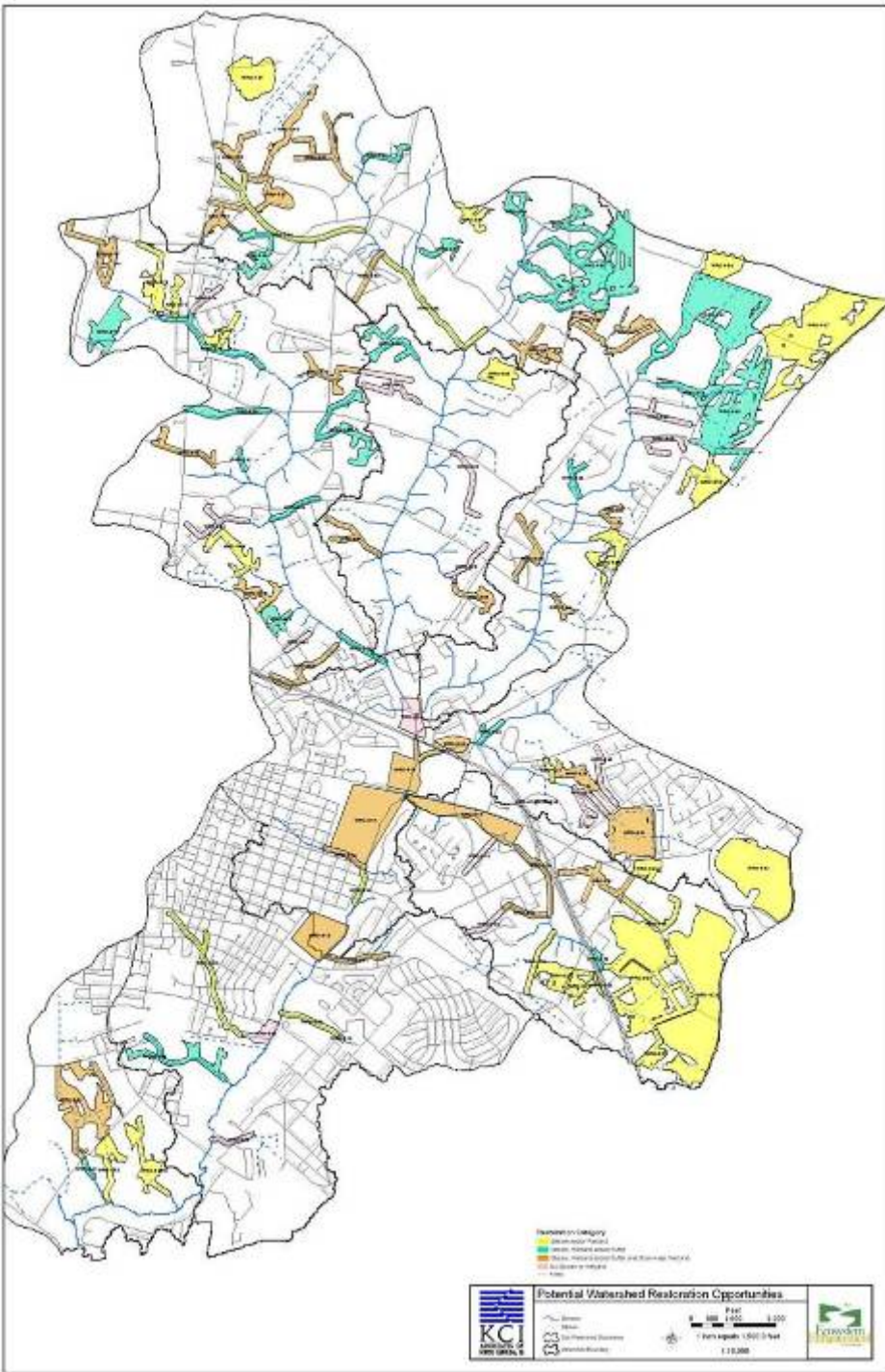


# Watershed Restoration Opportunities Report



Prepared by:  
  
**KCI**  
ASSOCIATES OF NC

Prepared for:  
  
**Ecosystem Enhancement**  
PROFESSIONALS





# Now for the Hard Part

- ❖ Local Watershed Planning Is Not an End, but Rather a Means
- ❖ The Ultimate Environmental Goal Is Improved Watershed Functioning - Improved Water Quality, Fewer Impacts from Flooding, and Improved Habitat
- ❖ To Achieve These Goals, A Restoration Strategy must be Implemented, Which May Include Restoration Projects, Development Incentives, Land Use Regulations, Education and Outreach, and More...
- ❖ There was an Opportunity to turn the Information into Action and Results



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# Phase IV

- ❖ KCI will work with partners to implement the plan in Phase IV
- ❖ Develop agreements with landowners - Option for Cons. Ease.
- ❖ A new Phase of planning for EEP





# The Challenge

- ❖ Developing High-Priority, Readily-Fundable, Technically-Feasible, Low-Risk, Cost-Effective, High-Quality Watershed Restoration Projects is Hard to Do.
- ❖ Oh Yah, And Don't Forget the Willing Landowners
- ❖ The Most Heavily Threatened or Impacted Areas Usually Have the Most Limited and Expensive Land



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# Phase IV Overview

- ❖ Develop Feasible Restoration Projects
  - Signed agreements with at least 10 landowners
- ❖ Develop Watershed Protection Strategies
  - Recommendations for Municipal Staff and Elected Officials
- ❖ Present Public Education Workshop



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# Develop Feasible Restoration Projects

- ❖ Focus on the Highest-Priority Subwatersheds
- ❖ Plan coordinated projects for measurable results
- ❖ Develop Landowner Interest
- ❖ Conduct Site Feasibility Investigations
- ❖ Landowner Education and Coordination
- ❖ Prepare and Present Preliminary Concept Plans and Maps
- ❖ Recruit Landowner Involvement



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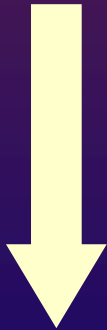


# Approach

- ❖ The Goal is to develop signed agreements with at least 10 landowners by September 2006.
- ❖ Outcome-Based Approach

Short-Term

- ❖ Willing to Talk
- ❖ Discuss Needs
- ❖ Be Understood
- ❖ Attend Meetings
- ❖ See Opportunity
- ❖ Allow Site Visit
- ❖ Review Site Concept
- ❖ Understand the Concept



Mid-Term

Mid-Term

- ❖ Understand Benefits and Value
- ❖ Can describe the Process
- ❖ Accept an Agreement
- ❖ Review and Negotiate Agreement
- ❖ Agree to Terms
- ❖ Sign Agreement



Long-Term



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# Develop Watershed Protection Strategies

- ❖ The goal is to develop programmatic and policy strategies for elected official and municipal staff to improve water quality, stormwater treatment, site design, and watershed protection



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# Present Public Education Workshop

- ❖ We will work to empower the concerned public to become personal watershed stewards
  - lawn and landscape care
  - household waste disposal
  - car washing and fluid disposal
  - septic system maintenance
  - impervious surface care
  - pet waste cleanup
  - downspout disconnection
  - and watershed stewardship



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# What's the Status and Future

- ❖ Sent 80 Landowners Information Packets
- ❖ Hosted Pig Pickin' in the Headwaters
- ❖ Growing Connections with Local Landowners, Residents, Developers and Municipal Staff
- ❖ Initial Positive Response
- ❖ Personal Mitigation Strategies



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# Lessons Learned (So Far...)

- ❖ There is far more that makes us similar than makes us different - find it
- ❖ Connecting with people takes time, but usually pays dividends
- ❖ Honesty and sincerity are the currency of trust
- ❖ The one thing we should know is that we don't know everything
- ❖ Work to relate and seek to be understood
- ❖ It's not the things that matter, it's the people



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# Questions?

Thank you for your attention.  
For more information, contact  
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919-783-9214



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