

# Local Watershed Planning for Stoney Creek

North Carolina Ecosystem  
Enhancement Program





## Program Goals

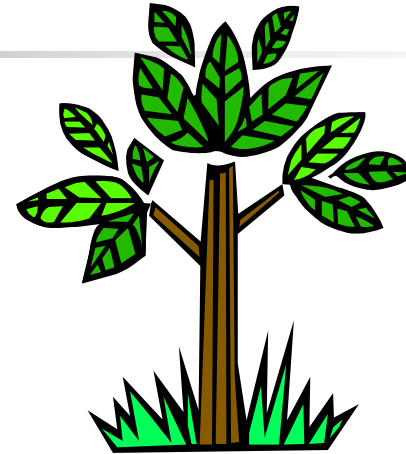
**Restoring, Enhancing and Protecting Watershed Functions Including:**

- Water Quality
- Habitat (aquatic and terrestrial)
- Hydrologic Balance

# Accomplishing Goals



**Wetlands**



**Streams**



**Riparian Buffer**

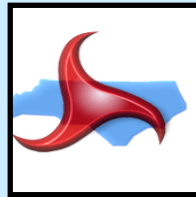
# EEP: a Merging of Three Program Resources & Functions

July 2003

**NC DENR**



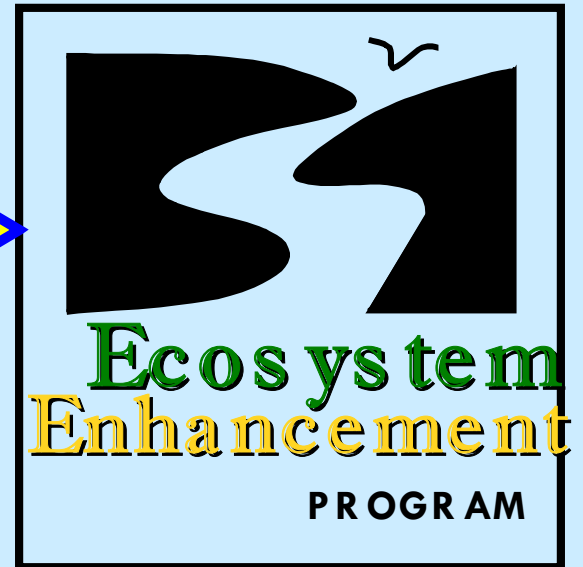
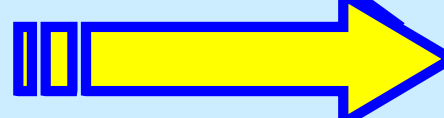
**NC DOT**

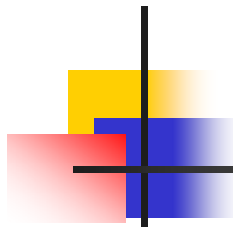


**USACE**



**US Army Corps  
of Engineers®**





# Ecosystem Enhancement

## Program

## Components

Strategic  
Planning

Watershed  
Restoration  
Plans



Local  
Watershed  
Planning

Program  
Partnerships  
& Grants

Monitoring &  
Research

Implement  
*Proactive*  
Watershed  
Improvement  
Projects



# Local Watershed Planning: Understanding Watershed Symptoms



# The "Right Medicine"

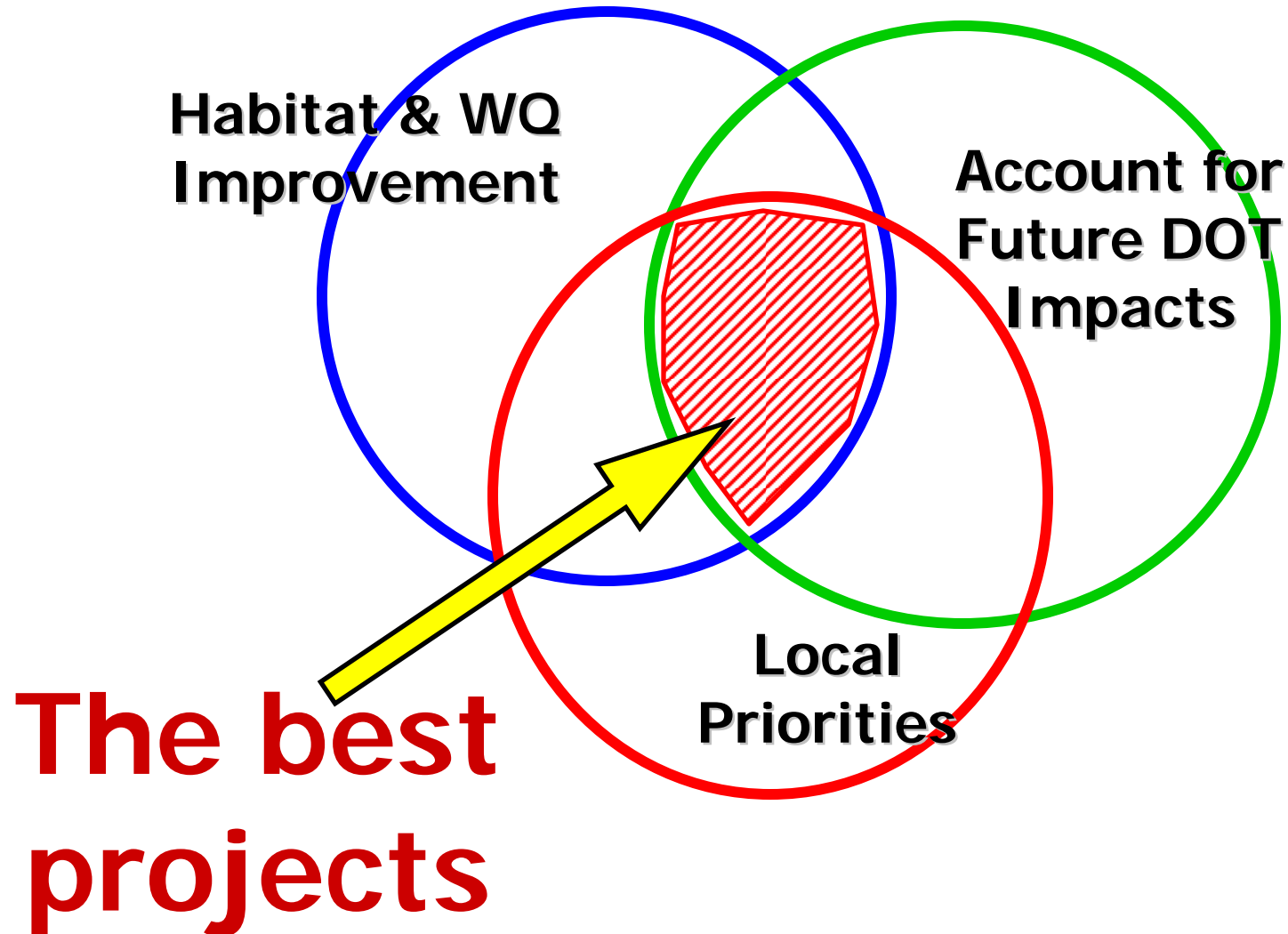
- Stream & Wetlands Restoration
- Riparian Buffer Implementation
  - Best Management Practices
- Recommendations / Strategies for Improving & Protecting



- ✓ **Water Quality,**
- ✓ **Hydrology and**
- ✓ **Habitat**



# Focus of Local Watershed Planning: to Identify the Nexus





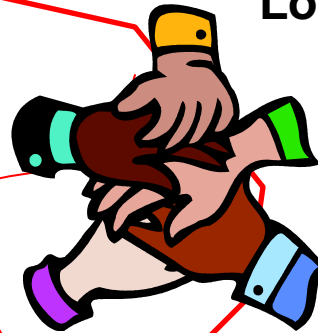
# 4 Key Ingredients

## of a *successful* Local Watershed Plan

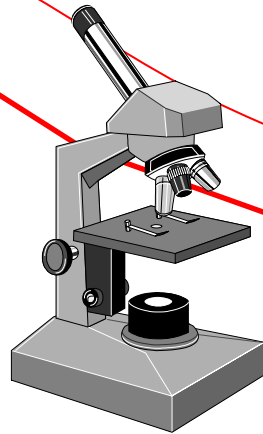
**Technical  
Assessment:  
Consultant  
Services**



**Local Stakeholders &  
Resource  
Professionals**



**Watershed  
Water Quality  
Monitoring**



**Local Partners to  
assist with local  
involvement &  
implementation**





# Potential Elements of a LWP

---

- **Watershed assessment**
- **Wetlands, stream and buffer restoration projects**
- **Local growth management initiatives**
- **Stormwater / Ag. BMP projects**
- **Education and technical assistance program**



# Why were these watersheds selected?

---

- **Neuse River Nutrient Sensitive Waters**
- **Impaired and 303(d) listed waters**
- **Altered hydrology**
- **Rapidly developing and changing land use**
- **Lack of riparian buffers – Buffer Funds**
- **Opportunities for improvement – local interest**
- **Projected future DOT impacts**
- **Testing new planning and coastal plain assessment methodologies for smaller watershed areas**



# Stoney Creek Local Watershed Planning Area



# Components of the Technical Assessment



**Phase I: Inventory available data & information, stakeholder identified issues –**

-Contractual Agreement with the DWQ Watershed Assessment Team—Jim Blose, Kathy Paull, Jill Paxson, Rob Breeding

-DWQ Info and Monitoring Approach

## Watershed Characterization: Phase I Report

- <http://h2o.enr.state.nc.us/wrp/plans/stoneyck/StoneyCrkfinal.pdf>

# Other Components of the Technical Assessment:

- **Phase II: Detailed Assessment: field reconnaissance & modeling** (includes ECU Stream Assessment Tool which is being tested)
- **Phase III: Recommendations**  
(specific projects)/  
**Implementation**

