

# Tar-Pamlico Local Watersheds Field Trip

October 18, 2005

# First stop: Potential restoration site in Tarboro (Project #4 in Site Atlas)



Jeff Schaeffer stands on a sand bar built up in the stream and explains what EEP is looking for in a stream restoration site



## Second Stop: Tarboro High School- completed stream restoration project



Joy Sherrod, NRCS Edgecombe County, discusses the restoration undertaken on Holly Creek at the high school- Joy brought copies of the design and before/after photos.

## Stop 3: Tarboro High School Potential stream restoration (Project #13 in site atlas)



Jeff shows the group a stream reach adjacent to the high school that shows promise as a restoration site. Note the straight channel, lack of riparian vegetation, and room for adding meanders in the stream. The landowner, Town of Tarboro, is a willing participant.



# Stop Four: Tarboro Canal stream restoration project



This project has been designed already, and will yield:

1,876 linear feet of stream enhancement

2,989 linear feet of stream restoration

# Stop Four: Tarboro Canal stream restoration project





## PROJECT SUMMARY

East Tarboro Canal/Town of Tarboro

**Location:** Town of Tarboro, Edgecombe County

**Project Size:** Reach 1: 1,876 lf of stream enhancement Reach 2: 2,989 lf stream restoration (4,865 lf total)

**Watershed Area:** 2.19 square miles

**River Basin:** Tar-Pamlico (03010103)

**Background and Goals:**

The NCWRP (EEP) and the Town of Tarboro entered into a Memorandum of Agreement in July 2003 to initiate Local Watershed Planning to identify projects which can improve water quality, floodwater retention and habitat watershed functions. This project is the result of that effort, and is comprised of two reaches at present. The upstream reach is severely constrained, incised and entrenched, flowing in between two streets.. The downstream reach is incised, over-wide, and currently being maintained by the Town of Tarboro by mowing and excavation of the canal. This reach is less constrained and provides a wider easement area and greater restoration opportunity. A portion of the downstream reach is located on the Patillo Elementary School property. Since this site is highly visible, it provides an ideal opportunity to educate the public on stream restoration techniques.

The design process for this project has been completed and the construction bid package has been submitted to State Construction Office.

Project Goals:

- Provide a stable stream channel.
- Reconnect the canal to its floodplain &/or establish a new floodplain at a lower elevation.
- Improve aquatic habitat.
- Provide aesthetic value, wildlife habitat and bank.
- Stabilize and enhance the small drainages that enter the site.
- Reduce flooding problems.
- Reduce erosion.
- Establish riparian zone using native vegetation.

**Status of Project:** Design phase complete. Construction phase pending.



# Tarboro Canal Project Summary

# Stop Five: Completed Stormwater Wetland at Greenville health center



David Brown, City of Greenville, points out features of the wetland, which treats runoff from a large parking lot.

# Stop Five: Completed Stormwater Wetland at Greenville health center



# Stop Six: Potential stream restoration at Greenville Country Club (project #7 in site atlas)



The country club golf pro offered golf carts (we chose to walk instead) and indicated that the club was very interested in seeing the project happen.

# Stop Six: Potential stream restoration at Greenville Country Club (project #7 in site atlas)

The upper left of the green in the picture to the right is where 585 linear feet of stream is proposed for “daylighting”, which involves un-piping and restoring it to a natural channel.



Vegetation planted on the banks will help filter fertilizers out of stormwater before it reaches the stream, and will help stabilize the banks. Restoration is proposed for 3,716 linear feet of stream.