

Mitigation Monitoring Sheets I, II, III, AND IV

Monitoring Data Record

Project Title: R-2539B (NC 55 Widening) COE Action ID: 199303531
Stream Name: West Fork Goose Creek Tributary DWQ Numbers: 021232
City, County and other Location Information: Pamlico County, NC 55 Sta. 136+70
Date Construction Completed: Streambank reforestation was completed in April 2007.
Monitoring Year: (2) of 1
Ecoregion: _____ 8 digit HUC unit: 03020105
USGS Quad Name and Coordinates: _____

Rosgen Classification: _____

Length of Project: 135' Urban or Rural: Rural Watershed Size: _____
Monitoring DATA collected by: M. Green and J. Young Date: 8/5/08
Applicant Information:

Name: NCDOT Roadside Environmental Unit
Address: 1425 Rock Quarry Rd. Raleigh, NC 27610
Telephone Number: (919) 861-3772
Email address: mlgreen@dot.state.nc.us

Consultant Information:

Name: _____
Address: _____
Telephone Number: _____ Email address: _____

Project Status: Complete

Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1 2 3

Monitoring Level 1 requires completion of *Section 1, Section 2 and Section 3*

Permit States: The permittee will visually monitor the vegetative plantings on the on-site mitigation stream banks to access and ensure complete stabilization of the mitigation stream segments. This monitoring will include adequate visual monitoring of planted vegetation for a minimum of one year after planting, and appropriate remedial actions.

Section 1. PHOTO REFERENCE SITES

Total number of reference photo locations at this site: 2 photo point locations – 2 photos taken from each location

Dates reference photos have been taken at this site: 5/21/07, 8/5/08

Individual from whom additional photos can be obtained (name, address, phone): _____

Other Information relative to site photo reference: _____

If required to complete Level 3 monitoring only stop here; otherwise,

Section 2. PLANT SURVIVAL

Attach plan sheet indicating reference photos.

Identify specific problem areas (missing, stressed, damaged or dead plantings):

Estimated causes, and proposed/required remedial action:

ADDITIONAL COMMENTS: Bareroot seedlings noted on the streambank and in the floodplain consisted of black willow, river birch, green ash, water oak, and sycamore. There were various herbaceous and woody species noted which included fennel, goldenrod, sweetgum, baccharis, pokeberry, woolgrass, cattail, *Juncus* sp., ragweed, and lespedeza. NCDOT has completed two years of photo monitoring on this stream relocation since streambank reforestation was completed in April 2007 per the permit conditions. NCDOT proposes to discontinue vegetation monitoring at this stream relocation.

If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.

Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. Physical measurements of channel stability/morphology will not be required. Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

The stream relocation is stabilized after two years of visual monitoring per the permit conditions. NCDOT proposes to discontinue channel stability monitoring at this stream relocation.

Date	Station Number				
Structure Type					
Is water piping through or around structure?					
Head cut or down cut present?					
Bank or scour erosion present?					
Other problems noted?					

NOTE: Attach separate narrative sheets to each monitoring report describing/discussing the overall monitoring results. Include the identification of specific problem areas/channel failures, estimated cause and proposed/required remedial action. This should include a brief discussion of any parameter that has changed significantly from as-built.

West Fork Goose Creek Tributary



Photo Point #1 (Upstream)



Photo Point #1 (Downstream)



Photo Point #2 (Upstream)



Photo Point #2 (Downstream)