Monitoring Data Record

Project Title: R-619EI (NC 281) COE Action ID: 200430595
Stream Name: UT West Fork of French Broad River DWQ Number: 3498
City, County and other Location Information: Transylvania County, NC 281 (Sta. 36+50 to 42+40)
Date Construction Completed: Sept. 2007 Monitoring Year: (2) of 5
Ecoregion: _____ 8 digit HUC unit 06010105
USGS Quad Name and Coordinates: _____
Rosgen Classification: _____
Length of Project: 590' Urban or Rural: Rural Watershed Size: _____
Monitoring DATA collected by: M. Green and J. Young Date: 8/11/09
Applicant Information:
Name: NCDOT Roadside Environmental Unit
Address: 1425 Rock Quarry Rd , Raleigh, NC 27610
Telephone Number: (919) 861-3772 Email address: mlgreen@ncdot.gov
Consultant Information:
Name: _____
Address: _____
Telephone Number: _____ Email address: _____
Project Status: _____

Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 2
Permit States: The permittee shall monitor the completed stream relocation in accordance with Monitoring Level 2 of the US Army Corps of Engineers, Wilmington District, Stream Mitigation Guidelines of April 2003. The monitoring reports, including reference photographs, plant survival data and visual inspection notes identifying specific problem areas, will be submitted to the Corps of Engineers, Asheville Regulatory Field Office within 60 days of completion of the monitoring. The monitoring report will also include a discussion of any deviations to channel stability. The success of the stream relocation as project mitigation will be evaluated based on those success criteria listed in the reference Stream Mitigation Guidelines.

Section 1. PHOTO REFERENCE SITES
(Monitoring at all levels must complete this section)

Total number of reference photo locations at this site: 8 photos were taken from 4 photo point locations
Dates reference photos have been taken at this site: 2/12/08, 8/14/08, 3/5/09, 8/11/09

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, complete section 2.

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: Streambank reforestation will not be completed for UT to West Fork of French Broad River (Site 8) stream relocation due to the proximity of the stream to the road. This site is basically a roadside ditch relocation. Vegetation noted onsite included chestnut oak, ragweed, tulip poplar, jewelweed, red maple, and various grasses.

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.

UT to West Fork of French Broad River (Site 8) is stable for the Year 2 Summer evaluation.

Date Inspected	Station Number	Station Number	Station Number	Station Number	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?					

UT West Fork French Broad River (Site 8)

Photo Point #1 (Upstream)

Photo Point #1 (Downstream)

Photo Point #2 (Upstream)

Photo Point #2 (Downstream)

Photo Point #3 (Upstream)

Photo Point #3 (Downstream)

Year 2 Summer – August 2009

UT West Fork French Broad River (Site 8)

Photo Point #4 (Upstream)

Photo Point #4 (Downstream)