



## **USDA-CSREES 2007 National Water Quality Conference**

### [Rocky Branch Restoration on the Campus of NC State University](#)

Rocky Branch is a severely degraded urban stream located on the NC State University campus in Raleigh, NC. Beginning in 2000, a comprehensive three-phase restoration project was initiated to improve the water quality, stability, and greenway functions of the stream corridor. Phase 1 was completed in 2002 including the realignment and floodplain enhancement of 3000 linear feet of stream channel along with buffer planting and implementation of numerous stormwater controls for water quality and quantity management. Phase 2 was completed in 2006 including an additional 1500 linear feet of stream channel along with installation of a large arch culvert road crossing and several floodplain pools for stormwater treatment and habitat enhancement. The project provides several education and research opportunities for undergraduates, graduate students, and natural resource professionals attending continuing education workshops. The project serves as a model for urban stream restoration in Raleigh and other cities considering stream network improvement projects.

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