

Newfound News



North Carolina Clean Water Management Trust Fund

Newfound Creek Watershed project, funded by the Clean Water Management Trust Fund, is going strong! As of July 2005, \$303,368.26 has been committed on Best Management Practices to improve water quality in Newfound Creek. Projects have included access road stabilization, erosion control on urban areas, stream protection systems and streambank stabilization projects.

Project Highlights



The beef cattle farm featured in this month's newsletter has several Best Management Practices installed on his farm. We started first with a **spring development (top left)** that taps into fresh water high on the mountain and pipes it into four **concrete watering tanks (top right)**. The outlet of the last tank will go back into a neighboring branch. Newfound Project provided 100% Cost Share for the landowner in return for livestock exclusion, a 30 foot setback on both sides of Newfound Creek and a permanent conservation easement. We also helped repair his streambank along Newfound Creek. It was severely damaged from livestock access and heavy flooding. Below are pictures of in-stream structures that are necessary to control stream grade by slowing down the velocity of the water against the banks. Structures such as J-Hooks, Cross-Vanes, and Bankfull Bench are used to prevent further erosion on unstable slopes. These rocks are individually placed to specific angles using natural stream channel design methods from Rosgen techniques and Natural Resource Conservation Service engineers. We installed three **J-Hooks (bottom left)**, two **Cross Vanes (bottom right)** and one Bankfull Bench on site. Please call us at 828-250-4785 to learn more.

