



USDA-CSREES 2007 National Water Quality Conference

[Rock Channel Crossing Demonstration Project](#)

The construction of the Rock Channel Crossing in Russell County, Kansas will have a continuing impact on both the physical water environment and the attitudes and knowledge of producers and landowners along Big Creek. It also addressed watershed protection and restoration efforts in the Big Creek Watershed. A Rock Channel Crossing, also known as a Hardened Crossing or Low Water Crossing, is a permanent crossing location in a stream or other conduit of surface water to provide access across the stream. It helps minimize the erosive effects of the unprotected stream bank. This particular crossing is being used as a demonstration site to show livestock producers an alternative method for limiting the access cattle have to surface water and riparian areas while minimizing streambank stability and ultimately improving water quality. The Kansas Livestock Association held their Annual Field Day at this location to highlight the project.

Author: Stacie Edgett-Minson

University Affiliation: K-State Research and Extension

Co-Author(s): John Stannard, Carol Blocksome, and Andrea Burns