

## PROJECT FACT SHEETS

**Project Title:** Demonstrating New Programs for Resolving Agricultural Runoff Problems

**Project Lead:** [Texas Institute for Applied Environmental Research \(TIAER\)](#) at Tarleton State University

**Principal Funding Provided By:** [USDA-Natural Resources Conservation Service](#)

**Project Description:** To provide annual assessment of water quality in the North Bosque River at various points along its entire length from Stephenville to Valley Mills. The assessment entails collection of water quality and streamflow data. The data will be included in an annual analysis of the entire historical database at key monitoring sites to ascertain trends in water quality. To demonstrate two alternative manure management strategies on permanent pasture field plots. Some other project aspects do not directly involve the North Bosque River.

**Project Benefits:** The project provides an assessment of existing water quality in the North Bosque River that allows for periodic evaluation of trends in water quality. The project will also provide a comparison of edge-of-field runoff from three side-by-side permanent pasture field plots. These plots will provide a control receiving agronomic rates of commercial fertilizer and two plots managed by alternative manure application strategies. Each plot is approximately one-half acre in size.

**Project Schedule:** Funding is from year to year. The water quality assessment and trends report is an annual deliverable. The side-by-side field plot study has a completion date of approximately 2007 depending upon continuation of funding.

**Project Status:** Water quality and streamflow data collection along the North Bosque River has been occurring through this project since April 2002. The second water quality trend report will be completed in the summer of 2004. The pretreatment phase of the field-plot manure management study continues. Limited rainfall since commencement of the study has prevented data collection from a sufficient number of pretreatment runoff events to allow the study to progress to implementing the two manure management strategies.