

PROJECT FACT SHEETS

Project Title: Refinement and Application of the North Bosque River TMDL Modeling System

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

Principal Funding Provided By: [TCEQ/EPA](#)

Project Partner(s): Center for Research in Water Resources at UT Austin

Project Description: This project is to (1) refine the total maximum daily load (TMDL) modeling, while incorporating new data and knowledge regarding model-simulation activities and features, and (2) reanalyze the TMDL allocation.

Project Benefits: The project will address previous concerns with the TMDL model regarding spatial resolution of the delineation of the watershed, absence of detailed inclusion of the Public Law 566 reservoirs in the upper part of the watershed, and contributions of discharges from dairy lagoon and wastewater storage ponds. The refined modeling system will be applied to reassess phosphorus load allocations in the North Bosque River watershed.

Project Schedule: The project is scheduled to have additional data collection and model enhancement activities completed by approximately December, 2005. The refined modeling system is to be validated by approximately April, 2006, and the refined TMDL allocations and reporting completed by August, 2006.

Project Status: Collection of existing data on conditions in the North Bosque River is ongoing since the summer of 2003. Monitoring of water quality and various physical and biological aspects of the watershed commenced February 2004. Enhancements of the modeling system to address concerns from the previous TMDL model were initiated the summer of 2003. Public advisory committee meetings are held periodically to receive input from interested entities and agencies and to provide them status of the studies.