



## **USDA-CSREES 2006 National Water Quality Conference**

### **North Central Texas Water Quality Project**

Water quality in North Central Texas reservoirs is a growing concern. Six of the major reservoirs in the Trinity River basin managed by Tarrant Regional Water District (TRWD) now serve 1.6 million people across 11 counties and are expected to serve 2.7 million by 2050. Sediment and nutrient loading are major issues in these reservoirs. Sediment loading affects capacity and water clarity; nutrient loading results in algae growth that impacts water treatment and recreational use.

The North Central Texas Water Quality Project has four main objectives:

- Assemble information on sediment and nutrient loads for specific TRWD managed reservoirs and associated streams;
- Use computer modeling to analyze the biological, physical, and economic feasibility of alternative management practices and facilities;
- Identify the parameters that are discharged from point source that may affect water quality in TRWD reservoirs; and
- Conduct public meetings and provide educational programs about water quality protection and stakeholders and customers.

The accomplishments in the first watershed (Cedar Creek Watershed) will be highlighted in this poster presentation. The status and progress of this project can be accessed at: <http://nctx-water.tamu.edu/>.

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