

Lewisville Lake Watershed

Initiative/Project Title:

Upper Trinity Regional Water District
Watershed Protection Program:

Denton County Green Belt Plan

Watershed Location:

Denton County, Texas

Watershed Size:

619,522 acres

Start-End Dates:

- Planning: April 2015 – July 2017
- Implementation: August 2017 - Present

Project Highlights:

The Upper Trinity Regional Water District is a wastewater and wholesale water utility that is focused on preserving and protecting natural resources/features and water quality in the Lewisville Lake Watershed. Using a combination of restoration, enhancement, and protection techniques the UTRWD aims to protect creeks, floodplains, riparian zones, and wetlands by establishing greenbelts, minimizing the use of fertilizers and other chemicals, raising public awareness and education, and by providing conservation easements for landowners (in the form of land trusts). UTRWD distributes treated water to more than 26 cities and utilities, as well as provides a regional Watershed Protection Program aimed towards education and outreach to encourage stakeholders to protect local water quality. The water district also established the Upper Trinity Conservation Trust to acquire and hold conservation easements within the watershed.

Techniques Used: Preservation of existing natural areas, including wetlands, floodplains and riparian lands. Other techniques include: public education, low impact development and green infrastructure, minimization of fertilizers, use of native vegetation, best management practices for reducing pollution and erosion.

Expected Benefits: Improved water quality, habitat protection, reduced pollutants, flood damage reduction, increased property values, reduced water treatment costs, educational opportunities

Lessons Learned: Partnerships and input from a wide range of stakeholders is vital.

