



Implementing the Hickory Creek Watershed Protection Plan

Water Body	Lewisville Lake (Seg 0823)
Location:	Denton, Texas and surrounding watershed
River Basin	Trinity River Basin (8)
Contractor	City of Denton
Project Period	April 30, 2010 to August 31, 2012
Project Total	\$675,485 (Federal 60% and Local 40%)

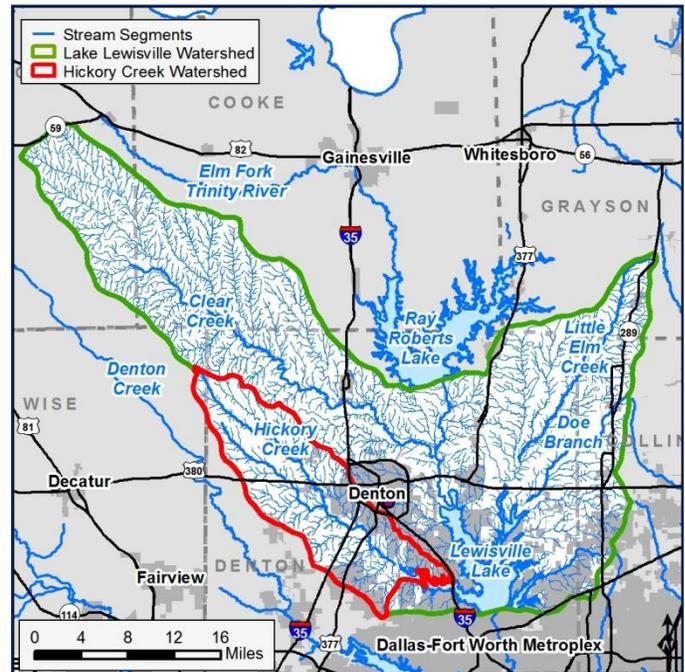
Project Description

Hickory Creek is a predominantly rural watershed that is currently meeting designated uses, but is under significant development pressures. Hickory Creek serves as a good example of conditions in the larger Lake Lewisville Watershed, which is also under substantial development pressures. More than one TCEQ water quality inventory has resulted in nutrient concerns throughout the lake's watershed. To address these water quality issues the City of Denton has developed a Watershed Protection Plan (WPP) for Hickory Creek. Sub-watershed level modeling and associated research conducted during the development of the WPP indicates that future development planned in the Hickory Creek Watershed will cause further degradation in water quality, threaten designated uses, and possibly result in a future impaired water designation and associated Total Maximum Daily Load (TMDL) implementation for Hickory Creek and/or Lewisville Lake.

To directly address the goals of the Hickory Creek WPP, the project will include the installation of 4 to 6 Best Management Practices (BMPs), with the number of sites and BMPs depending on the size, cost, estimated pollutant load reductions, and specific site conditions related to each BMP. The BMPs will consist of a combination of natural treatment techniques with proven nutrient and sediment removal abilities. Indirectly, code modifications and the initiation of project partner collaboration are intended to support water quality protection for years to come.

Current Status

The City of Denton has continued its effort to identify possible BMP implementation sites to present to the stakeholder advisory group by ground-truthing prioritized sites and coordinating with other City departments such as Drainage and Real Estate. This helped to further reduce the list of possible sites to 17, which will be presented to the stakeholder group for discussion.



Public Participation

The next stakeholder meeting is scheduled to occur 1/26/2011 at 12:30 p.m. in the 2nd Floor City of Denton Service Center, 901 A Texas Street Denton, TX. For more detailed project information please visit: www.cityofdenton.com/index.aspx?page=1362

For More Information

TCEQ Project Manager

Jack Higginbotham
512.239.6699; JHigginb@tceq.state.tx.us

City of Denton

David Hunter
940.349.7123; David.Hunter@cityofdenton.com

Websites

www.cityofdenton.com/index.aspx?page=1362

Project Highlights

- **08/08/2008** – The WPP was completed and submitted to the EPA
- **04/30/2010** – Hickory Creek WPP Implementation contract was signed with TCEQ
- **09/30/2010** – Stakeholder communication plan and questionnaire was created to guide communication with the stakeholder group and increase awareness of and concern about the Lake Lewisville watershed and the Hickory Creek subwatershed
- **01/07/2011** – Mapped potential BMP locations
- **01/26/2011** – Next Stakeholder Meeting