



Village Creek  
Lake Arlington

WATERSHED  
PROTECTION

# Village Creek-Lake Arlington

Watershed Protection Plan



## Watershed Planning & Implementation Process

- ▶ Build partnerships
- ▶ Characterize the watershed
- ▶ Identify goals & management solutions
- ▶ Design an Implementation Plan
- ▶ Implement Watershed Plan
- ▶ Measure progress and make adjustments

The Village Creek-Lake Arlington watershed begins at Village Creek's headwaters near the town of Joshua in northern Johnson County, extending approximately 35 miles before emptying into Lake Arlington in southeastern Tarrant County. Urban areas dominate the northern end of the watershed, with a few industrial and municipal complexes near its center, and trending more towards agricultural use in the southern extent.

Village Creek is currently listed as an impaired water body on the Texas Commission on Environmental Quality (TCEQ) *2010 Texas Integrated Report of Surface Water Quality*, which indicates that the creek is not meeting the designated contact recreation use standard due to elevated levels of bacteria. High concentrations of a monitored, non-pathogenic strain of *E. coli* in water bodies like Village Creek may indicate elevated levels of other pathogenic strains that may be a danger to human health. While it is not currently listed as impaired, Lake Arlington was included in the *2012 Integrated Report* for nitrate and chlorophyll-a concerns.

## Across the Watershed

### Towns and Cities

- Joshua
- Briaroaks
- Crowley
- Forest Hill
- Arlington
- Cross Timber
- Burleson
- Everman
- Kennedale
- Fort Worth

### Counties

- Tarrant
- Johnson



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In December 2009, the City of Arlington began putting together a long-term plan that would guide growth and development around the Lake. Under the guidance of this Lake Arlington Master Plan (LAMP), several studies have already been conducted for various water quality constituents, with several best management practices recommended as results. Many of these practices will be evaluated during the development of a watershed protection plan (WPP) for the Village Creek-Lake Arlington watershed. This plan will be a stakeholder-driven process that will incorporate water quality data studies with local knowledge and participation to create watershed-specific strategies that will best protect water quality of Lake Arlington and Village Creek while meeting the socio-economic needs of those that live, work, and play in the watershed.

#### Funding Agencies

- Texas Commission on Environmental Quality
- U.S. Environmental Protection Agency
- City of Arlington

