



Dickinson Bayou Watershed Protection Plan at a Glance

The Dickinson Bayou Watershed Protection Plan (WPP) was written by stakeholders (citizens and local experts) to provide reasonable strategies and goals to help watershed residents improve the water quality in Dickinson Bayou. The WPP covers many topics including: land development, flooding, natural areas, waste water and stormwater management. It includes two sections: The State of the Watershed and Strategies and Goals.

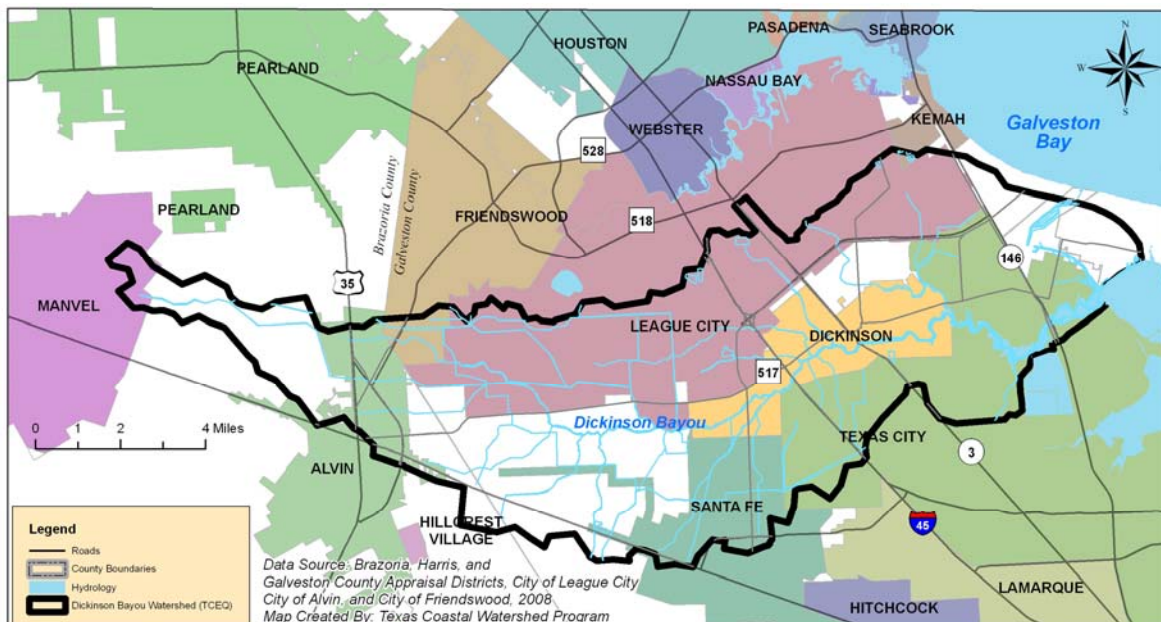
What is a Watershed Protection Plan?

It is a document that outlines a voluntary approach to improving water quality. A plan typically focuses on a single water body (i.e. Dickinson Bayou), its tributaries and the surrounding land that drains to it; watershed plans typically address wastewater and stormwater pollution issues.

The State of the Watershed

This portion of the WPP focuses on how things currently look in the watershed – what is already being done to combat flooding, what pieces of natural habitat are

still intact, and what educational programs are in place for residents. It also explains the total maximum daily load (TMDL) process for Dickinson Bayou and why the Texas Commission on Environmental Quality lists the bayou as impaired.



The Dickinson Bayou watershed, located south of Houston, TX, is 105 square miles. It contains pieces of nine cities (Alvin, Dickinson, Friendswood, Kemah, League City, Manvel, San Leon, Santa Fe and Texas city) and two counties (Galveston and Brazoria)



Strategies and Goals

This section is the core of the WPP. It contains goals for improving watershed health and provides realistic strategies for reaching these goals. It also looks toward the future and the trend toward population growth and even greater land development. The WPP suggests ways to encourage development that maintains water quality.

The WPP sets forth both short term (5 year) and long term goals (20+ years). These goals are aimed toward improving water quality in Dickinson Bayou and meeting the short and long term loading reductions necessary for this improvement.

A Living Document

The Dickinson Bayou WPP is meant to be a living document that will change and evolve to

Pollutant Loading Reductions

(for current development)

	Short Term	Long Term
Total Nitrogen	5%	32%
Total Phosphorus	6%	23%
Bacteria	15%	46%

meet the needs of watershed residents using adaptive management to address these cahnging issues. . The plan should be reviewed by stakeholders every five years. Short term goals will be revisited and progress toward long term goals evaluated. New goals will be set to help meet the needs of the watershed residents.

View the full watershed plan at www.dickinsonbayou.org

Goals for the Watershed

Short term

- Preserve 1,000 acres of habitat in the watershed
- Complete an on-site sewage facility replacement study
- Install 150 stormwater best management practices at businesses and private residences
- Install and monitor three stormwater wetland demonstration projects
- Obtain 50 additional acres of urban parkland in the watershed
- Continue to monitor the water quality in Dickinson Bayou to gauge the effectiveness of Watershed Plan recommendations

Long term

- Preserve 4,200 acres of habitat in the watershed
- Create and implement an on-site sewage facility remediation plan
- Treat runoff from 10,000 acres of developed land with on-site stormwater best management practices
- Treat all runoff from currently developed land with stormwater wetlands
- Obtain 750 additional acres of urban parkland in the watershed
- Continue to monitor the water quality in Dickinson Bayou to gauge the effectiveness of Watershed Plan recommendations



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