

# Watershed Protection in Denton County

Blake Alldredge
Upper Trinity Regional Water District



#### **How Much Water Does It Take?**



One cup of coffee = 34 gallons of water





One glass of beer = 19.5 gallons of water

One glass of wine = 32 gallons of water



#### **How Much Water Does It Take?**



One pound of beef = 1,230 gallons of water





One pair of shoes = 2,100 gallons of water

One pair of jeans = 1,800 gallons of water

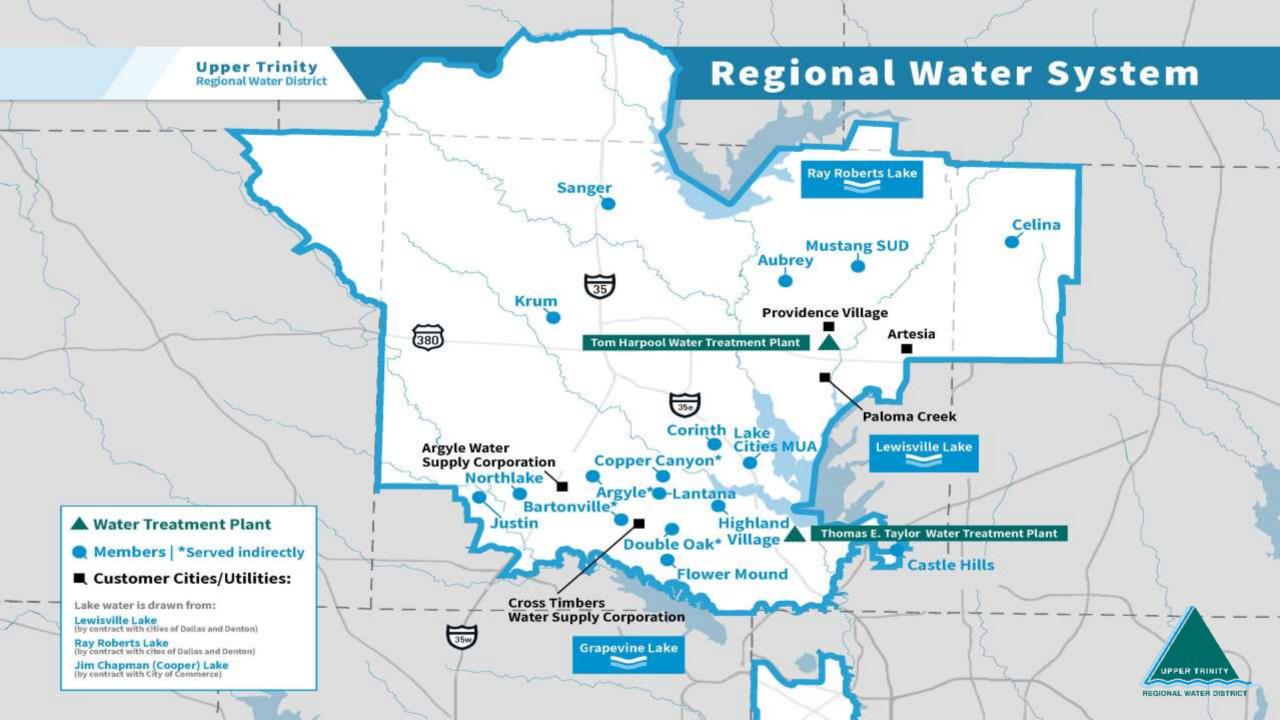




# Upper Trinity Regional Water District

- Created in 1989
- Provides regional water & wastewater services for 29 communities
- Serves Denton & Collin Counties





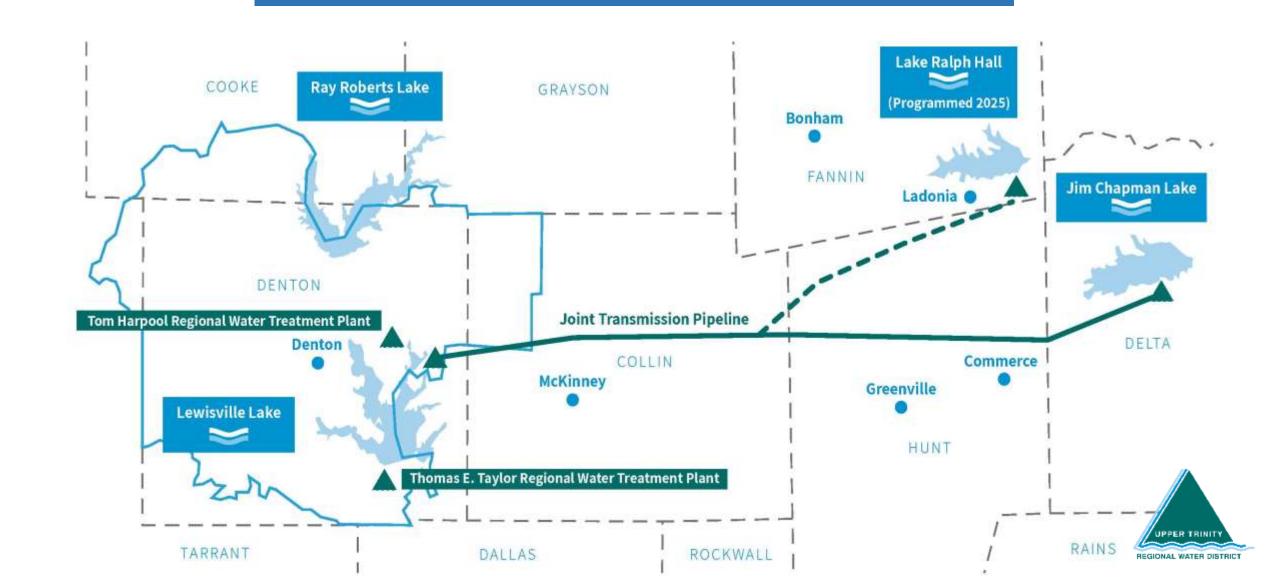
#### **Taylor Regional Water Treatment Plant**



#### **Lakeview Water Reclamation Plant**



#### **UTRWD Water Sources**

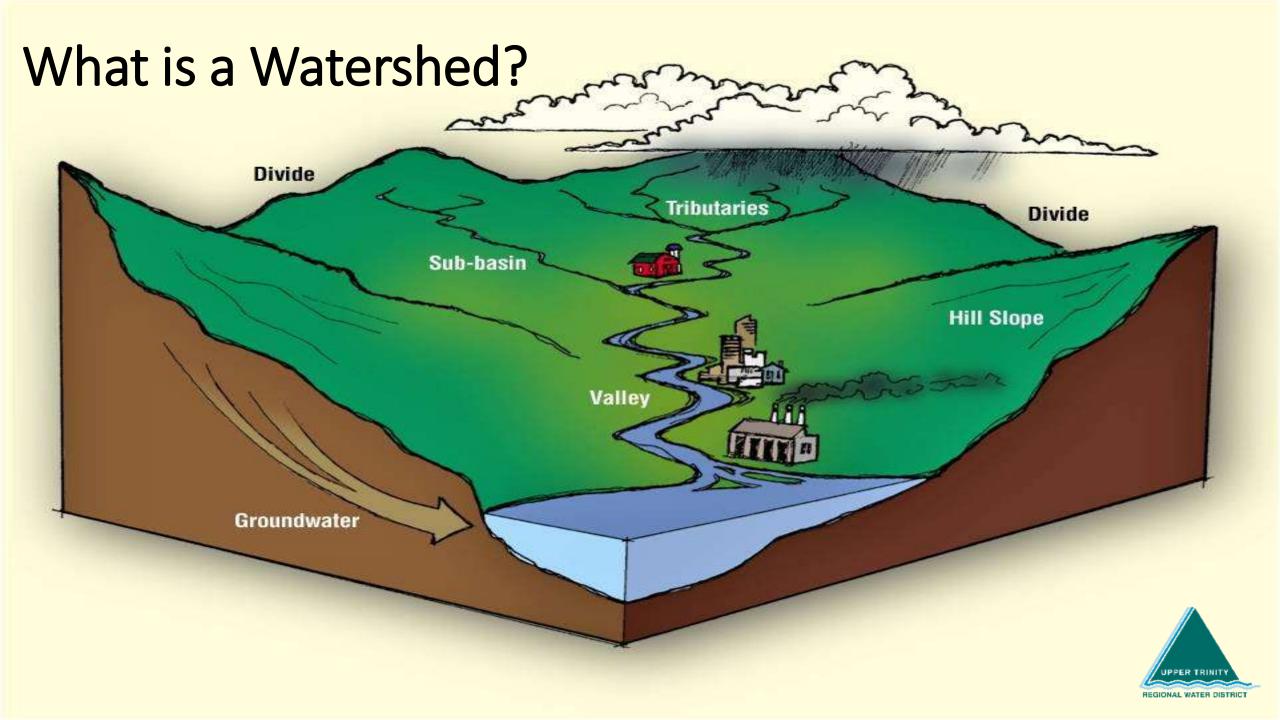


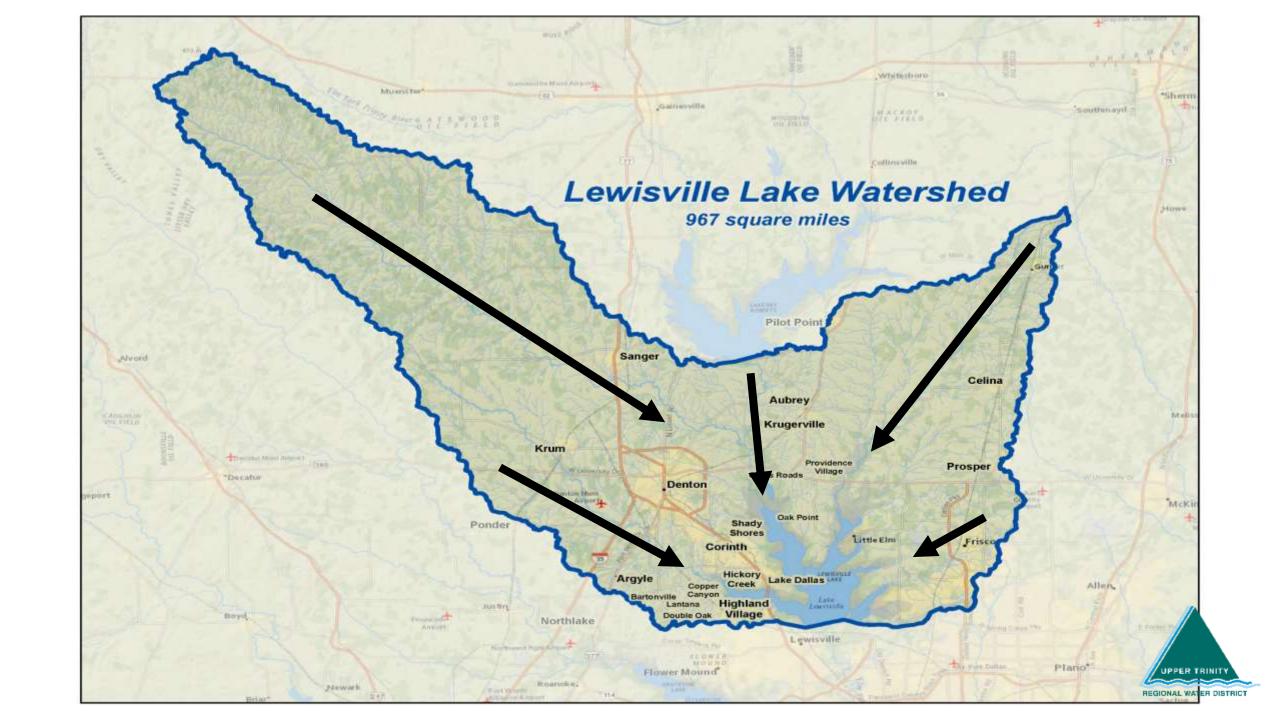
#### As North Texas grows . . .

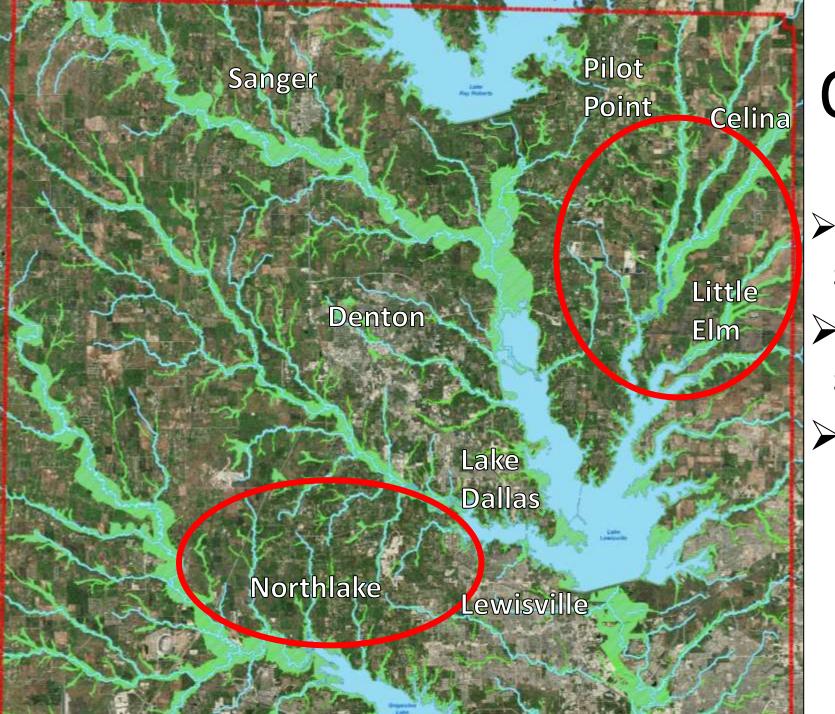




Our region will add over 1 million people by 2030!



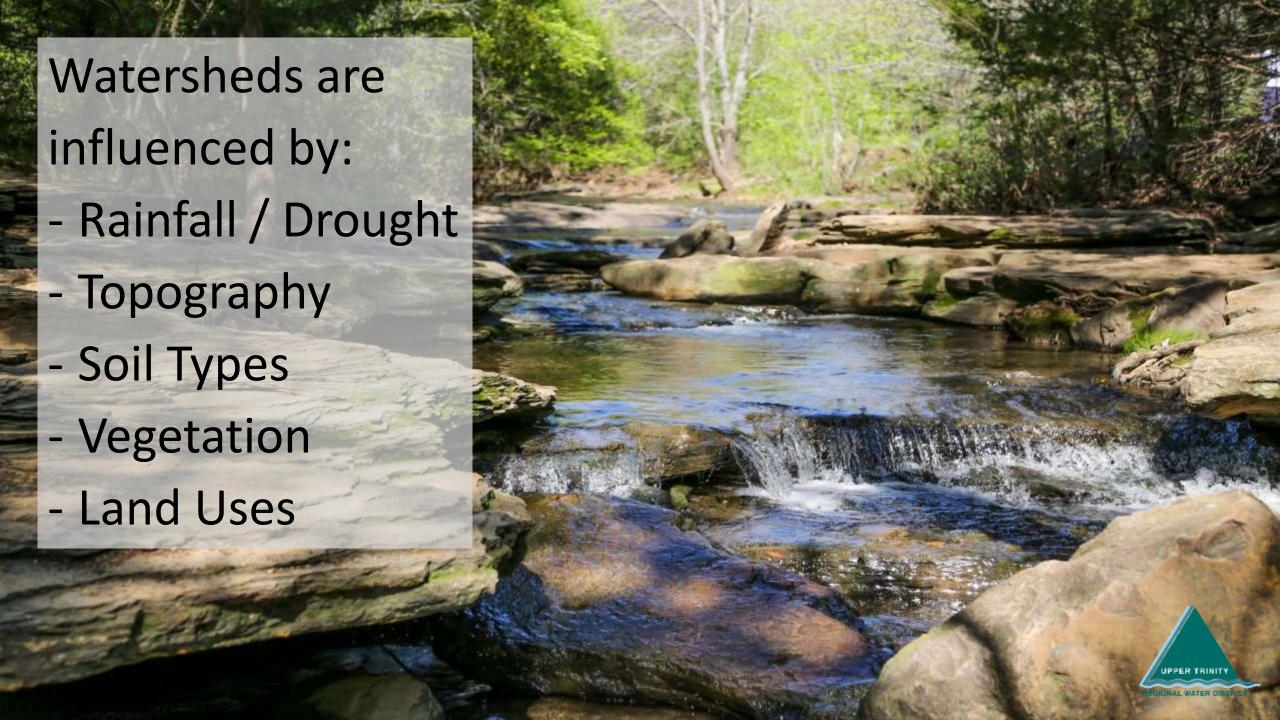




#### Our Waterways

- ➤ Thousands of miles of streams and creeks
- Three major water supply reservoirs
- Hundreds of miles of hike/bike trails





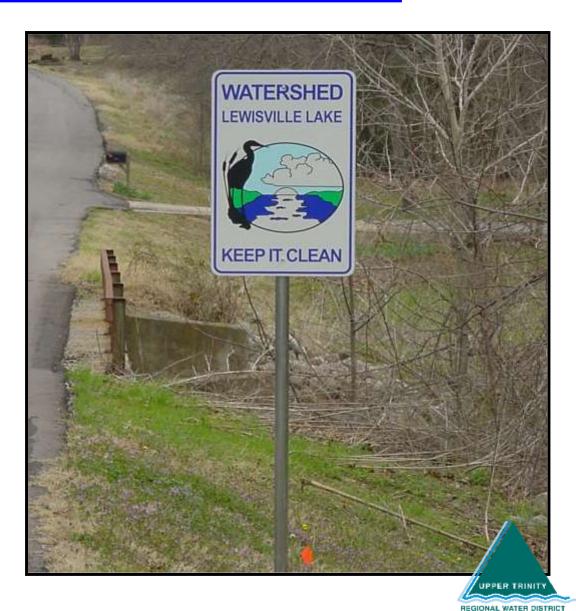
#### What is Your Watershed Address?

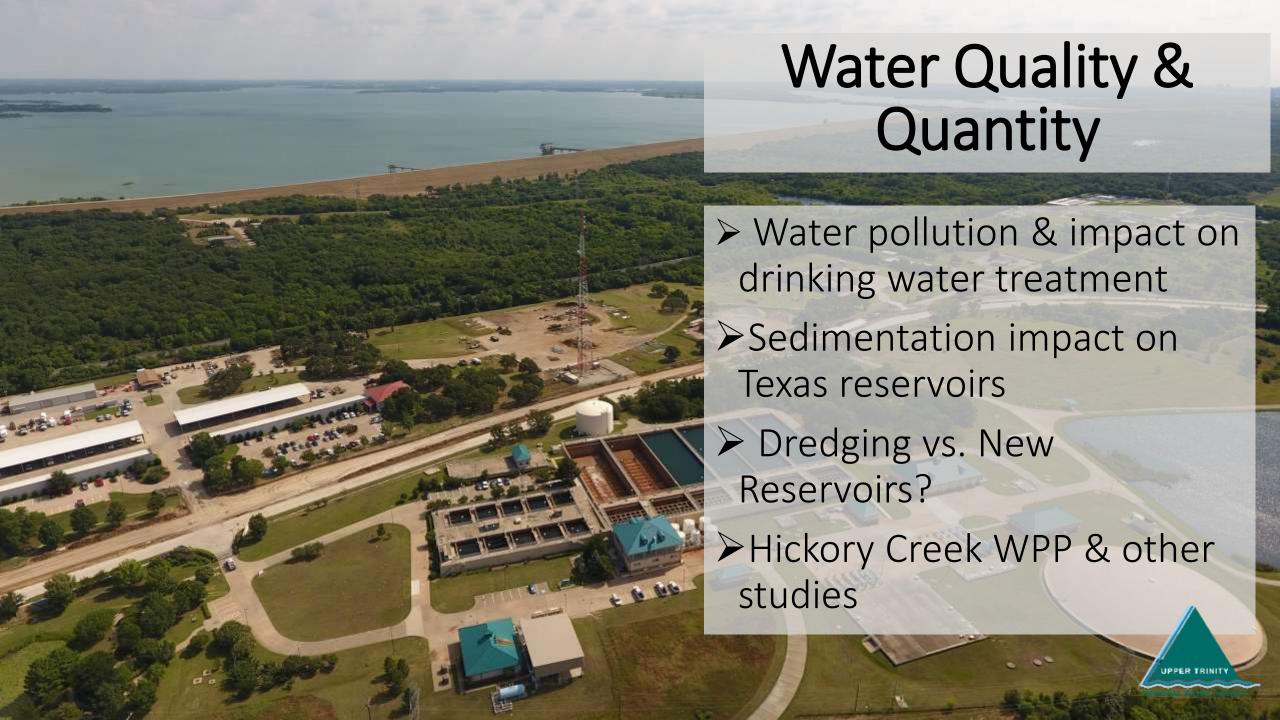
Everyone lives in a watershed.

Each citizen needs to get to know their personal watershed, like they know their street.

Install Watershed signs to inform the public.

Signs are available at no cost from Upper Trinity.







# 'Do not drink, do not boil' water: Crisis closes out second day with little information

Midway through day 2 of Toledo's water crisis, residents who get water from the city of Toledo are still being told not to drink water which comes out of the tap.

Author: WTOL Staff

Published: 2:39 AM EDT August 4, 2014 Updated: 12:25 AM EDT July 21, 2018



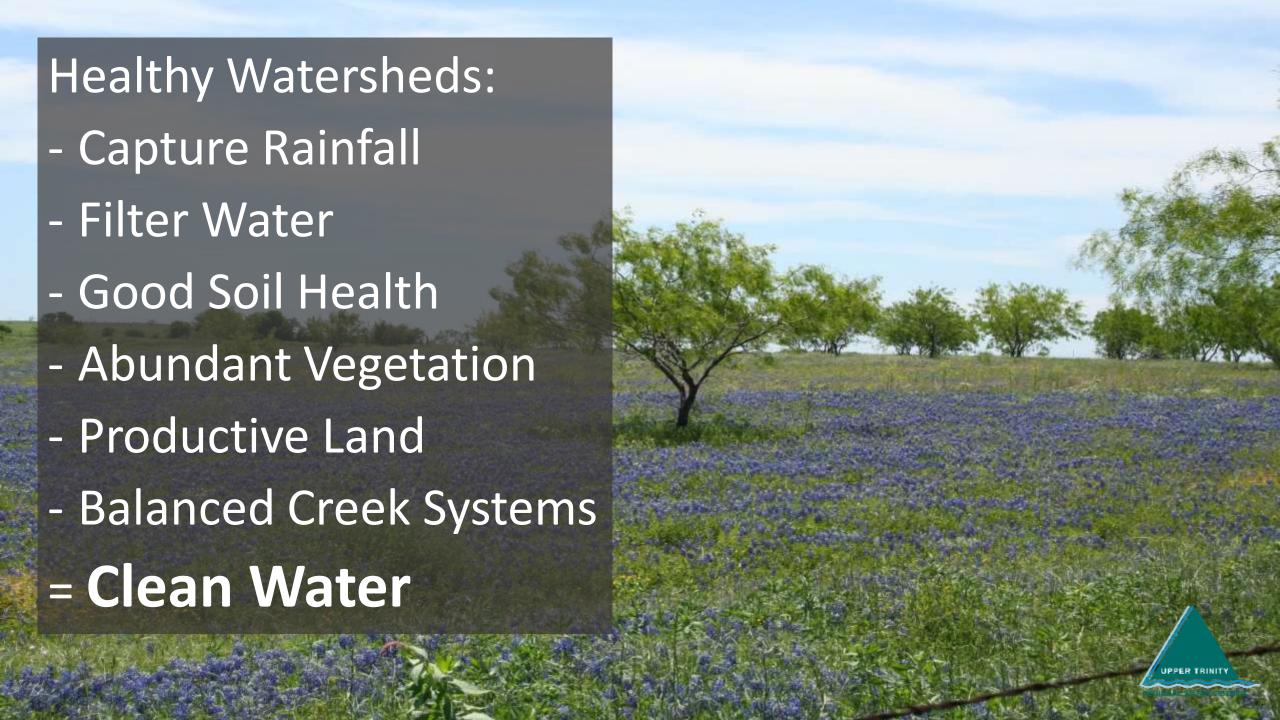


Which of these is not characteristic of a healthy watershed?

- 1. Captures & stores rainfall
- 2. Good soil health
- 3. More erosion
- 4. Balanced creek systems

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#### How Does Land Use Affect Water Quality & Quantity?





Which of these is not a common pollutant?

- 1. Sediment
- 2. pH
- 3. Nutrients
- 4. Bacteria

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- 2. **pH**
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Riparian Vegetation is Key

- Stabilizes streambank soil
- Dissipates floodwater energy
- Filters water







#### **Upper Trinity Conservation Trust**



- Established in 2010
- 501 (C)(3) Non-Profit Land Trust
- Preserve Riparian Areas and other Key Watershed Features
- Focuses on Lakes Lewisville,
   Ray Roberts and Grapevine
   Conservation Easements
- Landowner Outreach and Education

#### Watershed Partners Program

Increasing awareness & fostering partnerships to help protect our watersheds.

#### Founding Partners

















DENTON COUNTY SOIL AND WATER CONSERVATION DISTRICT

525 South Loop 288, C-1 Denton, TX 76205







#### Sustaining Partners

City of Corinth City of Denton Carollo Engineers

#### Contributing Partners

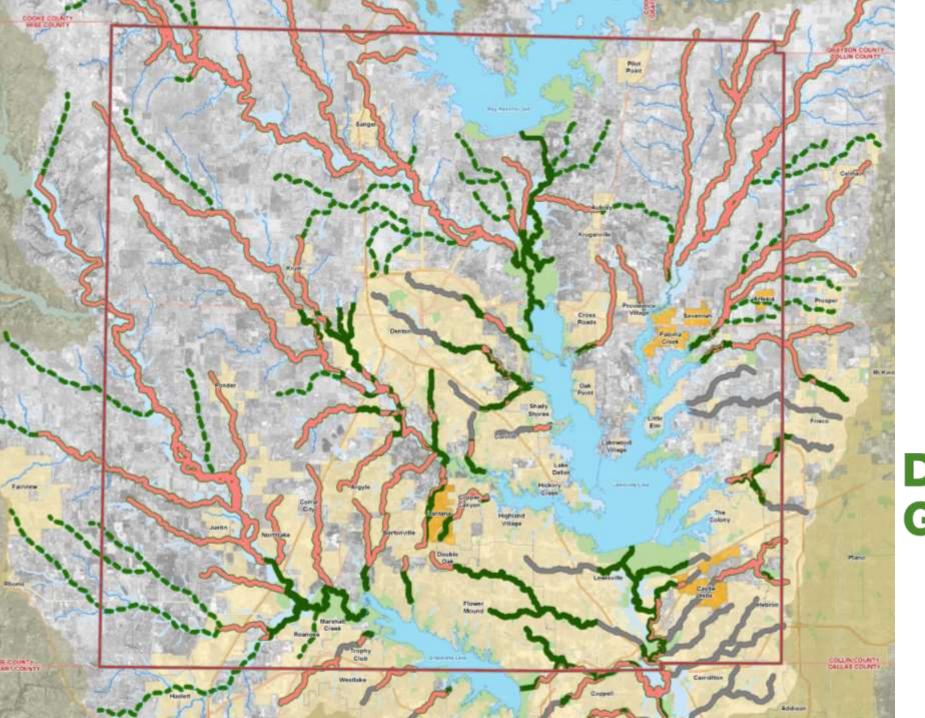
Oscar Burchard Jean Campbell Lewisville ISD Janet Aune Sue Tejml

#### Supporting Partners

Town of Northlake Svatik Family



Join the Partners Program & help lead a focused effort in watershed protection.





# Denton County Greenbelt Plan

For the Future

# Entities who have adopted the Denton County Greenbelt Plan

City of Aubrey City of Corinth City of Denton Town of Double Oak Town of Flower Mound Town of Hickory Creek City of Justin

Lake Cities MUA
Lantana
City of Lewisville
City of Pilot Point
City of Sanger







#### What Residents Can Do







#### Caring for Water Sources Takes ALL of Us!



www.UTRWD.com



Why is riparian vegetation not important?

- 1. Stabilizes soil in place
- 2. Dissipates flood energy
- 3. Filters water
- 4. Provides shade
- 5. None of the above

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What does green stormwater infrastructure not do?

- 1. Captures excess stormwater
- 2. Reduces "grey" infrastructure needs
- 3. Releases pollutants
- 4. Reduces irrigation needs

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#### **Questions?**

@UTRWD





**@UTCTRUST @UTCTRUST** 

**UTRWD** 





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