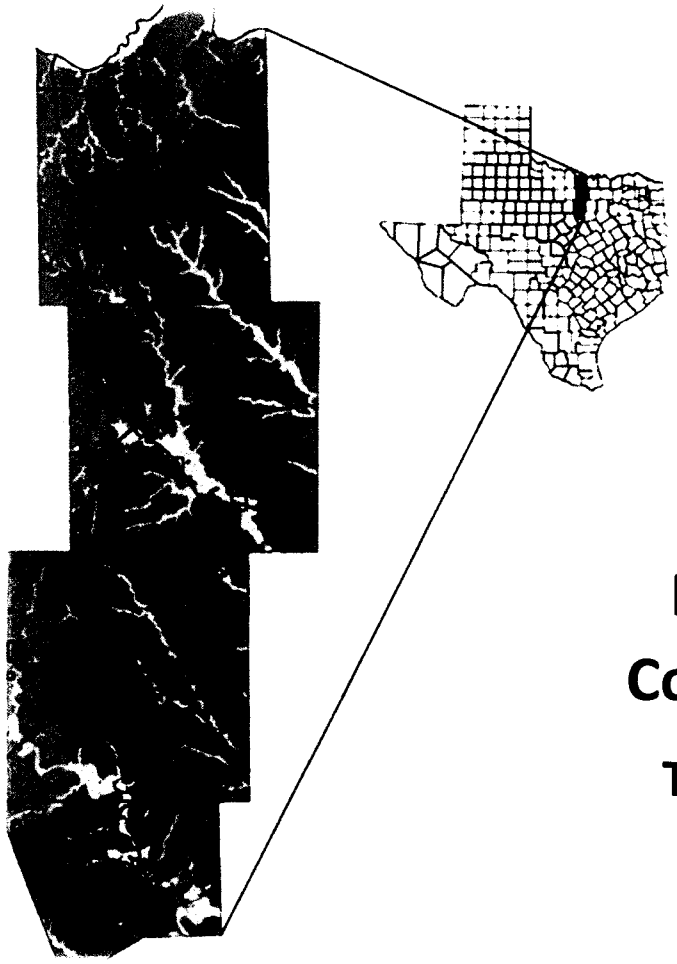
TEXAS GROUNDWATER CONSERVATION DISTRICT

UPPER TRINITY

HOOD · MONTAGUE

PARKER · WISE



Montague County Commissioners Court

Tuesday, May 26 2015

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www.uppertrinitygcd.com

Upper Trinity GCD

- ✓ In 2006, the Texas Water Development Board (TWDB) developed a Priority Groundwater Management Area (PGMA) for the counties of Montague, Wise, Parker, Hood, Cooke, Denton, Tarrant, Dallas, and others in the region.

- ✓ In 2007, the 80th Texas Legislature created the Upper Trinity Groundwater Conservation District (UTGCD).

- ✓ In November 2007, over 78 percent of voting residents within the District's four counties approved creation of the groundwater conservation district.

- ✓ On November 30, 2009, the Board of Directors of the UTGCD revised and adopted the Temporary Rules for Water Wells; they allow the District to enforce spacing regulations between wells and minimum distance from property boundaries for water wells drilled after January 1, 2009.

- ✓ On August 16, 2010, the Board of Directors adopted the District Management Plan. Its Objectives and Performance Standards are discussed on the following pages.

- ✓ The District began monitoring water levels in 2010 and expanded that program in 2013

- ✓ In 2013 the District completed the development of the Mobile Education Unit (trailer) in order visit schools and community events to enhance understanding of groundwater.

- ✓ In 2013, the Upper Trinity Groundwater Conservation District was one of eight districts to fully achieve *all* applicable groundwater management plan goals audited by the State Auditor's Office.

- ✓ Summer 2014 UTGCD participated in a water quality study with other groundwater districts in the Barnett Shale. This included basic water quality analyses, and tests for chemical compounds and contaminants in select water wells.

- ✓ In the fall of 2014 the Texas Water Development Board approved the updated groundwater model for the northern portion of the Trinity Aquifer and Woodbine Aquifer as the official groundwater availability model.

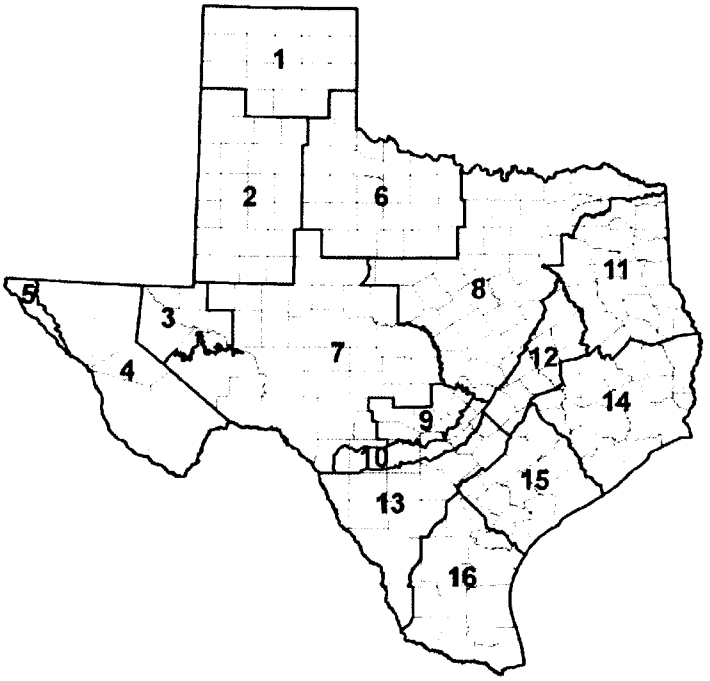
- ✓ The District funded the creation of a Groundwater Availability Model for the Paleozoic aquifer which was completed late 2014

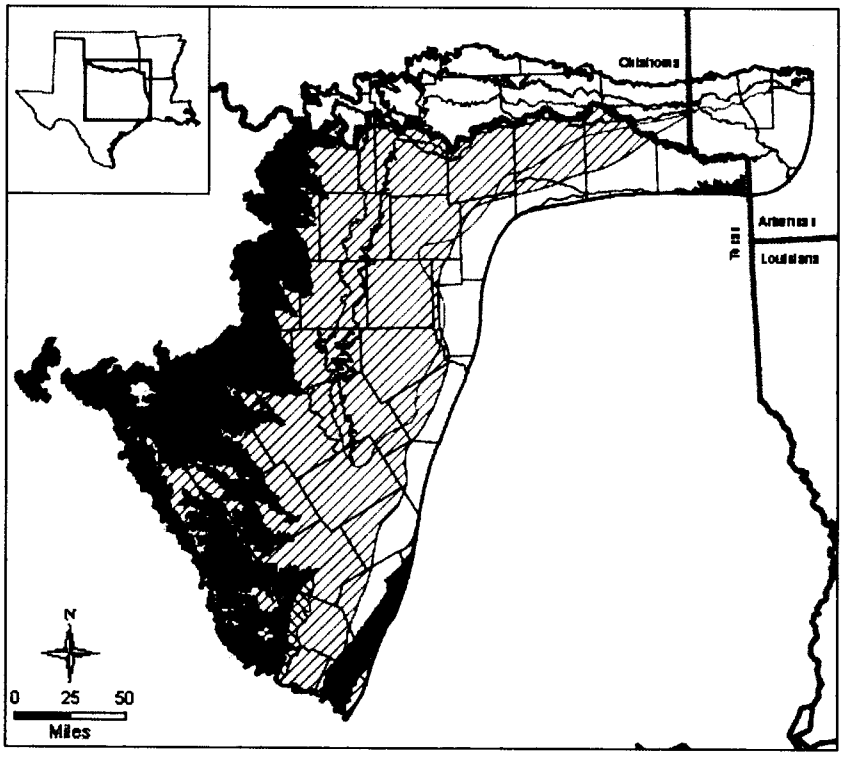
- ✓ The District purchased 16 pressure transducers to take daily water level readings in the Spring of 2015

Upper Trinity GCD

- 2015 – adopt updated Management Plan
- 2015 – Begin development of new database with online mapping features which will allow people to easily access site specific information the District has been collecting.
- 2016 – adopt DFCs for the current round of joint planning
- 2016 – develop permanent rules – includes working with local elected officials in each county to ensure rules not only meet statutory requirements but align with the future goals those officials envision for their counties
- Ongoing – continue to expand well monitoring program, including possible partnership with outside labs to continue to monitor contaminant levels initially identified in the current water quality study
- Ongoing – fund research to potentially identify areas where land management practices could potentially increase deep water percolation (recharge)
- **Continued local management or State Control???**

Groundwater Management Areas





Trinity Aquifer

…were created "in order to provide for the conservation, preservation, protection, recharging, and prevention of waste of the groundwater" in Texas.

Made up of Representatives from Groundwater Conservation Districts within each GMA

Charged with adopting Desired Future Conditions (DFCs)

Which are used to develop Modeled Available Groundwater (MAGs)

Upper Trinity Groundwater Conservation District

Groundwater Volume Report

Water production amounts are from the District's database and reflect Water Production Reports that have been submitted by non-exempt well owners

Public Water System

County	2011 water production (gallons)	2012 water production (gallons)	2013 water production (gallons)	* 2014 water production (gallons)
Hood	2,002,168,891	1,977,716,600	1,827,573,445	1,980,733,757
Montague	128,749,130	142,507,748	114,980,020	92,201,215
Parker	1,434,078,091	997,396,656	968,300,518	1,048,564,779
Wise	627,683,639	520,769,443	496,001,008	512,886,549
Totals:	4,192,679,751	3,638,390,447	3,406,854,991	3,634,386,300
Oil and Gas				
Hood	104,998,893	71,947,878	80,266,359	113,618,296
Montague	1,713,191,572	1,259,956,606	1,011,429,778	950,375,732
Parker	418,170,316	467,686,178	253,484,474	339,047,767
Wise	909,581,611	1,130,876,604	1,003,338,771	1,110,691,818
Totals:	3,145,942,392	2,930,467,266	2,348,519,382	2,513,733,613
Commercial/Business				
Hood	26,783,189	15,629,484	8,484,903	10,488,758
Montague	977,930	871,330	1,040,713	3,442,057
Parker	6,253,900	10,973,900	14,680,900	10,943,600
Wise	59,357,566	24,186,490	36,940,899	38,690,500
Totals:	93,372,585.00	51,661,204	61,147,415	63,564,915
Totals:	**7,431,994,728**	**6,620,518,917**	**5,816,521,788**	**6,211,684,828**

Fees for non-exempt groundwater production:

WATER USE FEES: $0.22 per thousand gallons

TRANSPORT FEES: $0.11 per thousand gallons for groundwater exported out of the District

EMERGENCY USE FEES: Groundwater used for Emergency Services is exempt from water usage fees

* 2014 Use totals are still being reported for end of the year. These numbers will change before it is final.

UTGCD Monitoring Wells in Montague County