



2018 Annual Report
North Texas Groundwater Conservation District
Management Plan

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I. Introduction

In 1997 Senate Bill 1, enacted by the Texas Legislature, confirmed a state policy that “groundwater conservation districts... are the state’s preferred method of groundwater management through rules developed, adopted and promulgated by a district...” Subsequently, the Texas Commission on Environmental Quality issued a report in 2007 advising that one or more groundwater conservation districts would need to be created in the 13-county area of North Central Texas, including the Counties of Collin, Cooke and Denton. North Texas Groundwater Conservation District (“District”) was created by Senate Bill 2497, May 27, 2009. Creation of the District was confirmed by Commissioners Court of Collin County August 10, 2009, Commissioners Court of Cooke County August 10, 2009 and Commissioners Court of Denton County August 11, 2009.

Temporary Rules were adopted by the Board of Directors October 19, 2010. Permanent Rules were adopted by the Board of Directors December 11, 2018. As required by Chapter 36 of the Texas Water Code, the District provides for conserving, preserving, protecting, recharging and preventing the waste of groundwater. The adopted Rules provide protection to existing wells, prevent waste, promote conservation, provide a framework to allow availability and accessibility of groundwater for future generations, protect quality of ground water in recharge zone of aquifer, and insure residents of Collin, Cooke and Denton Counties maintain local control over their groundwater. The Rules also insure the District operates in a fair and equitable manner for all residents of the District.

The District adopted its initial Management Plan April 19, 2012. As required, the District’s Management Plan was updated and readopted March 14, 2017. The Texas Water Development Board approved the updated Plan May 12, 2017. One requirement of the Management Plan is for an Annual Report to be provided to the Board of Directors. This report is presented to the Board of Directors of the North Texas Groundwater Conservation District pursuant to this requirement.

The District is committed to managing and protecting the groundwater resources within its jurisdiction and to working with others to ensure a sustainable, adequate, high quality and cost effective supply of water, now and in the future. The District will strive to develop, promote, and implement water conservation, augmentation, and management strategies to protect water resources for the benefit of the citizens, economy and environment of the District. The preservation of this most valuable resource can be managed in a prudent and cost effective manner through conservation, education, and management. The District will endeavor to consider and respect individual property owner rights when acting on related matters.

II. General Manager's Report

This annual report has been prepared by District staff for presentation to the Board to keep them informed of the status of goals adopted by the Plan. Wells drilled after April 1, 2011 and all existing non-exempt wells are required to be registered with the District. Monthly briefings are presented in the General Manager's Report at District Board meetings.

During 2018, the North Texas GCD Board of Directors and staff accomplished the following tasks:

- Continued to work with consultants on updating the District's geodatabase including development of a Water Well Management System
- Continued development of Permanent Rules and held workshops with consultants
 - January 9, 2018
 - March 13, 2018
 - May 8, 2018
 - July 10, 2018
 - September 11, 2018
- Public Hearing for review of Permanent Rules
 - October 9, 2018
- Consider adoption of Permanent Rules
 - November 13, 2018
- Adopted Permanent Rules
 - December 11, 2018
- Developed District Flow Testing Procedures
- Developed Hydrogeological Report Guidelines
- Continued meter inspection program, including the meter sealing policy to assure meters stay with the well for which it is assigned
- Well inspection program sustained
- Review of Joint Groundwater Monitoring and Contamination Report prepared by Texas Commission on Environmental Quality, Texas Railroad Commission and other agencies addressing potential impacts from historic and ongoing oil and gas exploration
- Continued injection/disposal well monitoring program
- Sustained well monitoring program
 - Initiated development of brochure detailing program overview of well monitoring program and expansion of the program to add additional monitoring wells
- Continued public information program – the General Manager gave presentation on the activities and purpose of the District
 - December 5, 2018 – Kimley Horn Dallas Office

III. Management Goals

The District Management Plan provides that an Annual Report be prepared by the General Manager and staff of the District, covering the activities of the District, including information concerning the District's performance in regards to achieving the District's management goals and objectives.

Goal 1 – Providing the most efficient use of water

Management Objective 1.1 – The District will require that all wells be registered in accordance with its current rules. All new wells drilled after April 1, 2011 and all existing non-exempt wells are required to be registered with the District in accordance with its current rules.

Performance Standard 1.1 – Subsequent to adoption of the Plan, briefings are being provided by the General Manager to the Board of Directors regarding well registration program at the monthly board meetings. In addition, a handout was developed by District staff to be provided annually to local realtor associations detailing the requirement of new property owners to register their existing wells within ninety (90) days of transfer of ownership.

Current number of wells registered in the District: 2,375

Aquifers in which the wells have been completed: Trinity and Woodbine

Management Objective 1.2 – It is the goal of the District that all non-exempt wells and exempt wells be registered. Beginning in April 2011 District launched an on-line registration program in order to register and collect important information regarding all non-exempt wells drilled on or after April 1, 2011. The District's Field Technicians manage a Field Inspections Program, with the objective of conducting field inspections of at least five (5) wells per month. These inspections confirm that a well has been registered, accuracy of well location, and accuracy of certain other required well registration information.

Performance Standard 1.2 – Quarterly briefings are provided by the General Manager to the Board of Directors regarding the number of well sites inspected each month to confirm well registration requirements have been met. Requirement to inspect/audit well sites each month to confirm well registration requirements has been met. This information is reported in Table 1.2.

Table 1.2

2018

Well Inspections

Month	Collin	Cooke	Denton	Total
January	0	0	28	28
February	21	7	2	30
March	6	7	45	58
April	6	32	41	79
May	19	6	31	56
June	5	24	72	101
July	3	12	66	81
August	6	12	79	97
September	4	7	32	43
October	0	8	32	40
November	8	5	42	55
December	3	0	13	16
Total	81	120	483	684

This information is updated and presented monthly to the Board of Directors.

Management Objective 1.3(a) – A groundwater monitoring program was launched in 2013, to collect information on the quantity and quality of groundwater resources throughout the District. For the first two years, beginning in 2013, District staff began to work with Texas Water Development Board (“TWDB”) staff to monitor water levels in wells the TWDB staff currently monitors on an annual basis. After the initial two-year period, District staff assumed the responsibility of monitoring these wells at least annually. In addition, at least one additional well will be added in each county, for a total of three wells to the system. District staff is working on agreements with well owners for additional monitoring wells to add wells to the District’s groundwater monitoring program. During 2018, the TWDB staff inadvertently collected the data for these wells. The District staff will reassume the responsibilities of monitoring the water levels on these wells beginning in 2019. Information provided in Table 1.3A concerning wells measured in 2018 was collected by TWDB staff⁽¹⁾.

For the purpose of water quality sampling, the samples collected for water quality taken by the Texas Commission on Environmental Quality staff every five years will be used for monitoring purposes initially, and may be supplemented as determined by the Board in the future. All information collected will be entered into the District’s geodatabase.

Performance Standard 1.3(a)(1) – Number of wells in Collin, Cooke and Denton Counties for which water levels were measured per year:

**Table 1.3A
Wells Measured**

Year	Wells Measured
2013	22
2014	31
2015	31
2016	31
2017	24
2018	4 ⁽¹⁾

Performance Standard 1.3(a)(2) – Number of wells in Collin, Cooke and Denton Counties for which water samples were collected for testing of water quality: The Texas Commission on Environmental Quality provides a Consumer Confidence Report that provides consumers with information about the quality of drinking water. This data may be reviewed at www.tceq.texas.gov/drinkingwater/ccr/ for water systems.

Management Objective 1.3(b) – In order to ensure the efficient use of groundwater, adequate data must be collected to facilitate groundwater availability modeling activities necessary to understand current groundwater resources and the projected availability of those resources in the future. Monitoring wells will be established by the District for continuous time information on water levels in targeted locations on a schedule as determined by the District’s Board of Directors, as funds become available.

Performance Standard 1.3(b) – Number of wells for which water level data is available will be accessible online after the current geodatabase improvements project is complete.

Management Objective 1.4 – A critical component of the District’s goal of ensuring the efficient use of groundwater is the collection of accurate water use information. The District has established by permanent rule a requirement that all non-exempt wells are to be equipped with meters to measure use of groundwater. The well owner/operator is responsible for maintaining a meter log with at least monthly records of water use. Cumulative water use to be reported by well owner/operator on a quarterly basis. All water use information is entered and maintained in the District’s geodatabase. It is the objective of the District that 95 percent of all registered non-exempt wells will report water use by the reporting deadlines established in the District’s rules.

Performance Standard 1.4 – Percentage of registered non-exempt wells meeting reporting requirements of water use:

Table 1.4
Percentage of Registered Non-Exempt Wells Meeting
Reporting Requirements of Water Use

Year	Percentage Meeting Reporting Requirements
2012	85%
2013	89%
2014	95%
2015	96%
2016	92%
2017	82%
2018	93%

Management Objective 1.5 – In order to ensure that registered non-exempt wells have been equipped with District-approved meters and that water use is being accurately reported, a meter inspection program has been implemented by District staff. The District Field Technicians facilitate a meter inspection program to ensure that meters for all registered non-exempt wells will be inspected on at least a five-year cycle by District personnel. These inspections at a minimum verify proper installation and operational status of meters and record the meter reading at the time of inspection. This meter reading is compared to the most recent water use report for the inspected well. Any potential violation of District Rules regarding meter installation and reporting requirements will be reported to the Board of Directors at their next practicable meeting for consideration of possible enforcement actions. Information containing annual water use, by registered well, by county, and by aquifer, will be included in the Annual Report presented by the General Manager. The report will include a comparison of reported water use versus the estimate of modeled available groundwater (the sum of exempt and permitted groundwater) established as a result of the Desired Future Conditions for aquifers in the District. This will be available to be included in future Annual Reports to the Board of Directors, after the District’s new geodatabase is implemented.

Performance Standard 1.5(a) - Percentage of registered non-exempt wells inspected by District personnel annually to verify meters meet District requirements:

Table 1.5
Percentage of Registered Non-Exempt Wells
Inspected Annually

Year	Percentage of Wells Inspected
2012	74%
2013	6%
2014	21%
2015	24%
2016	13%
2017	37%
2018	51%

Performance Standard 1.5(b) - Comparison of annual water use versus estimates of modeled available groundwater established as a result of the adopted Desired Future Conditions to be included in Annual Report provided by the General Manager at the first regularly scheduled meeting after which the current geodatabase improvements project is completed.

Management Objective 1.6 – A critical component to accomplishing the District’s mission is to ensure that proper data is being collected and that the data is being utilized to the fullest extent and efficiently. Shortly after the District was created, the District hired a consultant to build an online geodatabase that would make workflows, data entry and data utilization easier and more efficient for well owners, well drillers, general public, District staff and Board of Directors. After several years of utilizing the geodatabase the District had built, the District staff has identified areas in which the existing system can be upgraded.

Performance Standard 1.6 – The District has hired a consultant to upgrade the District’s geodatabase. The consultant is in the process of completing an upgraded database to make workflows, data entry and data utilization easier and more efficient.

Management Objective 1.7 – The District will develop methodology to quantify current and projected annual groundwater production from exempt wells.

Performance Standard 1.7 – The District will provide the Texas Water Development Board with its methodology and estimates of current and projected annual groundwater production from exempt wells. The District will also utilize the information in the future in developing and achieving desired future conditions and in developing and implementing its production allocation and permitting system and rules. See Table 1.7.

Table 1.7

Estimated Production From Exempt Wells in North Texas GCD

Primary Use	Active Wells	Sum Of Capacity (GPM)	Estimated Production (Gal)	Estimated Production (Ac-ft)	Methodology
Agriculture	29	490.0	64,386,000	198	Average time pumping per day of 6 hours
Commercial/Small Business	37	669.7	2,025,750	6	Assumed average consumption is 150 gallons per day
Domestic Use	1119	17,860.2	61,265,250	188	Assumed average consumption is 150 gallons per day
Industrial/Manufacturing	2	36.7	4,822,380	15	Average time pumping per day of 6 hours
Irrigation	146	2,708.5	118,632,300	364	Average time pumping per day of 2 hours
Livestock Watering	113	3,569.0	468,966,600	1,439	Average time pumping per day of 6 hours
Municipal / Public Water System	11	192.5	25,294,500	78	Average time pumping per day of 6 hours
Oil/Gas	6	390.0	17,082,000	52	Average time pumping per day of 2 hours
Pond/Surface Impoundment	58	1,347.5	177,061,500	543	Average time pumping per day of 6 hours
Total	1521	27,264.1	939,536,280	2,883	

Goal 2 – Controlling and preventing waste of groundwater

Management Objective 2.1 – The District will annually provide information to the public on eliminating and reducing wasteful practices in the use of groundwater by publishing information on groundwater waste reduction on the District’s website at least once a year.

Performance Standard 2.1 – A link has been provided on the District website to Best Management Practices and helpful hints to control and prevent waste of groundwater.

The following is an excerpt of information available on the District website:

Conservation Tips:

The NTGCD would like to encourage residents to conserve water. During fall and winter months, lawns in our region require much less irrigation as the grasses go dormant.

How much water do you use at your home? Estimate your daily and annual water use and learn methods to conserve water at the [Home Water Works site](#).

Rainwater Harvesting Links

[TWDB Rainwater Harvesting Information](#)

[Texas Water by Texas A&M](#)

[TWDB Manual on Rainwater Harvesting](#)

[Rainwater Harvesting with Rain Barrels](#)

Water Conservation Links

[Home Water Conservation Guide](#)

[Water IQ by the Texas Water Development Board](#)

[Drought Preparedness Council Situation Report](#)

Best Management Practice links

[TWDB Best Management Practices for Conservation](#)

[Water Advisory Council Best Management Practices](#)

Brush Control Links

[State Water Supply Enhancement Plan \(July 2014\)](#)

[Texas State Soil and Water Conservation Board](#)

[AgriLife Extension Texas A&M System Brush Control Program](#)

Management Objective 2.2 – The District will encourage the elimination and reduction of groundwater waste through a collection of water-use fees for non-exemption production wells within the District.

Performance Standard 2.2 – See Table 2.2

Table 2.2
Annual Report
Fees Paid and Groundwater
Usage

Year	Total Fees Paid	Total Groundwater Used (gallons)
2017	\$625,968.76	6,259,687,600
2018	\$792,081.22	7,290,182,200

Management Objective 2.3 – The District will identify well owners that are not in compliance with District well registration, reporting, and fee payment requirements, and request they comply.

Performance Standard 2.3 – District staff compares existing state records and field staff observations with well registration database to identify noncompliant well owners.

**Table 2.3
Non-Compliant Well Owners**

Well Owner	Violation	Enforcement Action/Fine
440 Ranch Gail Cooper 4381 South Highway 377 Aubrey TX 76277	Failure to submit water production report within 60 days of due date (November 14, 2017)	\$500
	Failure to submit water use fee payments within 60 days of due date (November 14, 2017)	\$500
	Failure to timely meter a well when required (November 14, 2017) Show Cause Hearing Notice (January 9, 2019)	\$500
Hydrous Americas Cable Park, LLC America's Cable Park Group, LLC Chad Lacerte, Owner 7538 Baxtershire Dr. Dallas TX 75230 280 E. Eldorado Parkway Little Elm, TX 75068	Failure to submit water production report within 60 days of due date (March 13, 2018)	\$500
	Failure to submit water use fee payments within 60 days of due date Show Cause Hearing July 10, 2018	\$500
	Continued non-response to noncompliance Notice of intent to commence lawsuit (July 13, 2018)	\$500
AC Denton LLC dba Forum at Denton Station Mr. Brandon Collum Assistant General Manager 201 Inman St. Denton TX 76205	Failure to submit water production report within 60 days of due date December 21, 2018	\$500
	Failure to submit water use fee payments within 60 days of due date December 21, 2018	\$500
	Failure to timely meter a well when required December 21, 2018	\$500

Management Objective 2.4 – The District will investigate instance of potential waste of groundwater.

Performance Standard 2.4 – District staff will report to the Board of Directors as needed regarding potential waste of groundwater and include number of investigations in Annual Report.

**Table 2.4
Investigations of Potential Waste of Groundwater**

Year	Entity	Details
2018	None Reported	N/A

Goal 3 – Controlling and preventing subsidence – not applicable to North Texas GCD

Goal 4 – Addressing conjunctive surface water management issues

Management Objective 4.1 – Coordinating with surface water management agencies. Designated board member or General Manager shall attend a minimum of 75 percent of meetings and events of Region C Water Planning Group. Participation in the regional water planning process will ensure coordination with surface water management agencies that are participating in the regional water planning process.

Performance Standard 4.1 – Report on actions of Region C Water Planning Group shall be provided to the Board as appropriate. General Manager to document meetings attended and significant actions of the planning group in Annual Report.

Region C Water Planning Group held 2 meetings in 2018, on April 9, 2018 and August 20, 2018. General Manager Drew Satterwhite attended the April 9, 2018 meeting.

April 9, 2018 Meeting:

The Group received an update from Kathleen Jackson, Texas Water Development Board concerning relevant water topics, elected the 2018 officers, recognized Jody Puckett's service while serving on the Board, approved a letter to the TWDB requesting hydrologic variances to the TCEQ's water availability models, designated the Major Water Providers:

- North Texas Municipal Water District
- Tarrant Regional Water District
- Dallas Water Utilities
- Upper Trinity River Water District
- Greater Texoma Utility Authority
- Trinity River Authority of Texas
- City of Fort Worth

The Group approved use of the same availability data for the Nacatoch Aquifer as contained in the 2016 State Water Plan as the methodology for determining availability of non-relevant aquifers, approved Task 5A Evaluation of Strategies scope/fee with TWDB, voted unanimously to form a Task 8 Subcommittee to review and revise recommendations for river and stream segments of unique ecological value and unique reservoir sites, and appointed Adam Whisenant, Tom Kula, Grace Darling, Bob Riley, Jack Stevens, Wendy Chi-Babulal, Tim Fisher, Rick Shaffer, Kevin Ward, and John Lingenfelder to the Task 8 Subcommittee. The Group discussed the schedule for the 2021 planning cycle, existing water availability (Task 3), the initial List of Potentially Feasible Water Management Strategies (Task 4B), and public participation materials available. The group received a presentation by Connie Townsend, TWDB, relating to TWDB Planning Rule Revision, and a report from Ms. Townsend concerning amendment documents, TWDB Board adoption of all Regional Water Planning Projections, State Flood Assessment Surveys, Interactive State Water Plan enhancements, and technical memo and MWPs list due September 10, 2018.

August 20, 2018 Meeting:

The Group appointed a nominating committee for the recommendation of the 2019 slate of officers, discussed vacancies on the Board, elected members to fill expiring terms, voted to approve the Technical Memorandum for submittal to the TWDB by September 10, 2018, discussed the schedule for the 2021 planning cycle, the Task 8 Subcommittee Report, received reports from Region B, Region D, and Region 8, received a report from the TWDB addressing the State Water Flood Assessment that is under internal review, The Water For Texas conference to be held January 2019, the meeting of the Uniform Standards Committee scheduled for November, and the three projects within Region C receiving commitments for the 2018 SWIFT cycle.

Management Objective 4.2 – Designated technical representative of the District will monitor and participate in all stakeholder meetings that concern water resources relevant to the District.

Performance Standard 4.2 – The General Manager of the District will monitor and participate in relevant stakeholder meetings that concern water resources relevant to the District. A report on meetings attended will be included in the Annual Report to the Board of Directors.

The General Manager attended the GMA 8 meetings held June 27, 2018 and November 30, 2018. There were no Trinity Aquifer Brackish Stakeholder meetings during 2018. The General Manager attended one of the two Region C Water Planning Group meetings held in 2018. Attachment E contains minutes of the Region C 2018 meetings and Attachment F contains the minutes of the GMA8 November 30, 2018 meeting.

Goal 5 – Addressing natural resource issues

Management Objective 5.1

The District has engaged a firm to monitor all injection well applications within the District and notify the General Manager of any potential impacts.

Performance Standard 5.1 – General Manager will report to the Board of Directors on any information provided by the consultant engaged to monitor injection well applications within the District to the Board of Directors and document that information in the Annual Report to the Board of Directors.

**Table 5.1
Injection Wells**

Entity	Protested	Details
49258 Silver Creek Oil & Gas LLC 5525 N. Macarthur Blvd, STE 775, Irving TX 75038	Letter dated September 6, 2018 from Sledge Law Group PLCC Proposed injection operation poses risk of pollution to groundwater resources underlying Cooke County	Application withdrawn December 11, 2018
49940 Taylor & Smith P.O. Box 776 Gainesville TX 76240		Application received by RRC December 12, 2018
48586 BLS Production Co., Inc. P.O. Box 4431 Wichita Falls TX 76308		Permit granted by RRC September 29, 2018
48564 Caribbean Energy LLC P.O. Box 36 Cotulla TX 78014		Application received by RRC May 2, 2018 RRC requested additional information by letters dated July 10, 2018 and August 17, 2018 RRC returned application October 8, 2018 due to non-receipt of additional information requested
49955 Silver Creek Oil & Gas LLC 5525 N. Macarthur Blvd, STE 775, Irving TX 75038		Application received by RRC December 17, 2018

Management Objective 5.2 – The District will monitor compliance by oil and gas companies of well registration, metering, production reporting, and fee payment requirements of the District’s rules.

Performance Standard 5.2 – As with other types of wells, instances of non-compliance by owners and operators of water wells for oil and gas activities will be reported to the Board of Directors as

appropriate and for enforcement action. A summary of such enforcement activities will be included in the Annual Report to the Board of Directors.

There were no enforcement activities during 2018 concerning noncompliance by owners and operators of water wells for oil and gas activities.

Goal 6 – Addressing drought conditions

Management Objective 6.1 – The District will make available through the District’s website easily accessible drought information with an emphasis on developing droughts and any current drought conditions.

Performance Standard 6.1- The District has made available through the District website easily accessible drought information with an emphasis on developing droughts and on any current drought conditions. Monthly U.S. Drought Monitor maps for Texas are available on the District website. Copies of each month’s report for 2018 are attached to this report.

Goal 7 – Addressing conservation, recharge enhancement, rainwater harvesting, precipitation enhancement, and brush control

Texas Water Code §36.1071(a)(7) requires that a management plan include a goal that addressed conservation, recharge enhancement, rainwater harvesting, precipitation enhancement, or brush control, where appropriate and cost-effective. The District has determined that a goal addressing recharge enhancement and precipitation enhancement would not be appropriate or cost effective, and therefore is not applicable to the District.

Management Objective 7.1 – Provide for and facilitate the conservation of groundwater resources within the District. The District will include a link on the District’s website to the electronic library of water conservation resources supported by the Water Conservation Advisory Council.

Performance Standard 7.1 – Link to electronic library of water conservation resources supported by the Water Conservation Advisory Council is available on the District website.

The following are the links to the electronic library of water conservation resources supported by the Water Conservation Advisory Council that is available on the District’s website:

Best Management Practice links:

[TWDB Best Management Practices for Conservation](#)
[Water Advisory Council Best Management Practices](#)

Management Objective 7.2 – The District will submit at least one article regarding water conservation for publication each year to at least one newspaper of general circulation in the District’s Counties.

Performance Standard 7.2- Attachment B contains the article published during 2018 regarding water conservation.

Management Objective 7.3 – The District will provide educational curriculum regarding water conservation offered by the Texas Water Development Board (Major Rivers) to at least one elementary school in each county of the District.

delivery of the curriculum. Curriculum that was ordered in 2018 to be delivered during that year will be delivered during 2019.

Management Objective 7.4 – Rainwater harvesting is assuming a viable role either as a supplemental water supply or as the primary water supply in both urban and rural areas of Texas. As a result, Texas has become internationally recognized for the widespread use and innovative technologies that have been developed, primarily through efforts at the Texas Water Development Board. To ensure these educational materials are readily available to citizens in the District, a link to rainwater harvesting materials including system design specifications and water quality requirements will be maintained on the District’s website.

Performance Standard 7.4 – The following links are maintained on the District’s website:

Rainwater Harvesting Links

[TWDB Rainwater Harvesting Information](#)

[Texas Water by Texas A&M](#)

[TWDB Manual on Rainwater Harvesting](#)

[Rainwater Harvesting with Rain Barrels](#)

Management Objective 7.5 – Educate public on importance of brush controls as it related to water table consumption.

Performance Standard 7.5 – The following links are maintained on the District’s website:

Brush Control Links

[State Water Supply Enhancement Plan \(July 2014\)](#)

[Texas State Soil and Water Conservation Board](#)

[AgriLife Extension Texas A&M System Brush Control Program](#)

Goal 8 – Achieving Desired Future Conditions of Groundwater Resources

The Desired Future Conditions of the aquifers of Groundwater Management Area 8 represent average water levels in the various aquifers at the end of 50-years based on meeting current and projected groundwater supply needs. The Board of Directors has adopted a strategic approach that includes adoption of this management plan and rules necessary to achieve the Desired Future Conditions. This management plan and companion rules have been designed as an integrated program that will systematically collect and review water data on water quantity, water quality, and water use, while at the same time, implementing public awareness and public education activities that will result in a better formed constituency.

Management Objective 8.1 – Statute requires GCDs to review, amend as necessary, and readopt management plans at least every five years. The General Manager will annually present a summary report on the status of achieving the adopted desired future conditions.

Performance Standard 8.1(a) – The General Manager will present a summary report on the status of achieving the adopted desired future conditions in the Annual Report when the new database is online and functional. The summary report will primarily be based on data collected from the District’s

groundwater monitoring program. The Desired Future Conditions for the North Texas GCD were adopted in December 2017.

Performance Standard 8.1(b) – Beginning four years after adoption of the Plan, General Manager will work with Board of Directors to conduct a focused review to determine if any elements of this Plan or the District Rules need to be amended to achieve the adopted Desired Future Conditions, or if the Desired Future Conditions need to be reviewed/revise to better reflect the needs of the District. Possible results of the five-year review: (1) determination that current Plan and Rules are working effectively to achieve Desired Future Conditions, (2) specific amendments need to be made to the Plan and/or Rules to achieve the adopted Desired Future Conditions, (3) amendments are needed to the adopted Desired Future Conditions to better meet the needs of the District, or (4) a combination of (2) and (3). This determination to be made at a regularly scheduled meeting of the Board of Directors no later than five years after adoption of the Plan.

The North Texas Groundwater Conservation District has participated with Upper Trinity Groundwater Conservation District, Northern Trinity Groundwater Conservation District and Prairielands Groundwater Conservation District in updating the Groundwater Availability Model of the Northern Trinity/Woodbine Aquifers.

ATTACHMENT A

Excerpts from TCEQ Joint Groundwater Monitoring Contamination Report – 2017

TABLE 1
GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

COUNTY	DIVISION	NEW CASES	FILE NAME	FILE NUMBER	LOCATION	CONTAMINATION DESCRIPTION	DATE	ENFORCEMENT STATUS	DATA QUALITY
CLAY	REM/PST		ALLSUPS 174 REED OIL CO WAGON MASTER TRUCK STOP	112932 113893 96382	301 E OMEGA ST, HENRIETTA 705 MAIN ST, BYERS 505 US HWY 287, BELLEVUE	GASOLINE GASOLINE GASOLINE	1/27/1998 12/14/1998 8/1/1990	2A 2A 2A	E,Q E,Q E,Q
COCHRAN	REM/PST		FORMER GASOLINE STATION	109426	102 N MAIN ST, MORTON	GASOLINE	1/31/1995	5B	E,Q
	WQD/WQAS		CITY OF MORTON	WQ0010226001	1 MILE NORTHEAST OF STATE HWY 214 AND FARM-TO-MARKET RD 1780, NORTHEAST OF THE CITY OF MORTON	NITRATE	10/13/2005	3A,B	E,Q
COLEMAN	REM/PST	*	ALLSUPS 290	120156	100 SANTA ANNA AVE, COLEMAN	GASOLINE	11/4/2016	2	E,Q
COLLIN	REM/CA		EXIDE FRISCO BATTERY RECYCLING PLANT	30516	7471 5TH ST, FRISCO	METALS	09/02/2014	3A	E,Q
	REM/DCRP	*	EXTRUDERS DIVISION OF ATRIUM	86642	930 HENSLEY LN, WYLIE	METALS	06/06/2017	0A	4
	REM/DCRP		MCKINNEY METALS	F0074	341 E VIRGINIA ST, MCKINNEY	TPH, VOCS	02/11/1998	3B	6C
	REM/PST		DRY CLEAN SUPER CENTER	DC0284	10045 CLUSTER RD, PLANO	CHLORINATED SOLVENTS	9/8/2016	5B	2A
	REM/PST		PREMIER DRY CLEAN EXPRESS	DC0256	601 W PARKER RD, STE 112, PLANO	CHLORINATED SOLVENTS	11/19/2014	5B	2A
	REM/PST		STAR CLEANER	DC0259	6916 INDEPENDENCE PKWY, STE 101, PLANO	CHLORINATED SOLVENTS	4/8/2015	5B	2A
	REM/PST	*	7 ELEVEN 20767	120221	2417 JUPITER RD, PLANO	GASOLINE	3/28/2017	2	2A
	REM/PST	*	7 ELEVEN STORE 12189	120282	3601 14TH ST, PLANO	GASOLINE	11/3/2016	2	6
	REM/PST	*	7 ELEVEN STORE 30418	120159	996 W PARKER RD, PLANO	GASOLINE	8/5/2016	2	2A
	REM/PST	*	7 ELEVEN STORE 36416	119490	3301 K AVE, PLANO	DIESEL	3/25/2014	1B	1A
	REM/PST	*	7 ELEVEN STORE 36419	119717	3300 CLUSTER RD, PLANO	GASOLINE	12/17/2014	2	6
	REM/PST	*	BOBCAT KUNTRY STOP & GO	119992	204 E PECAN ST, CELINA	GASOLINE	5/27/2016	2	6
	REM/PST	*	FORMER LL GROCERY GARAGE	91130	116 E AUDIE MURPHY PKWY, FARMERSVILLE	UNKNOWN	10/20/1986	1B	1A
	REM/PST	*	KWIK PPK FOOD STORE	120262	17610 MIDWAY RD, DALLAS	DIESEL, GASOLINE	2/28/2017	2	2A
	REM/PST	*	PDQ QUICK TRACK	118801	2312 STATE HWY 121, MELISSA	GASOLINE	3/5/2012	2	2A
	REM/PST	*	SHELL GRANDYS OF PLANO	120048	8601 OHIO DR, PLANO	GASOLINE, DIESEL	7/12/2016	2	2A
	REM/VC		10TH STREET INDUSTRIES	1601	901 10TH ST, PLANO	CHLORINATED SOLVENTS	06/13/2003	0B	4
	REM/VC		605 COMMERCE STREET	2757	605 COMMERCE ST STE 200, WYLIE	VOCS	07/06/2015	0B	6D
	REM/VC		CHEVRON FACILITY NO 60200455	1981	1925 DALLAS PKWY, PLANO	VOCS, TPH	09/18/2006	0B	3
	REM/VC		FORMER DRY CLEAN SUPER CENTER	2843	1020 W PARK BLVD, PLANO	CHLORINATED SOLVENTS	11/08/2016	0B	1B
	REM/VC		HUTSON INDUSTRIES, INC.	944	1000 HUTSON DR, FRISCO	CHLORINATED SOLVENTS, VOCS	03/11/1999	0B	5
	REM/VC		J PARCEL - STEWART CREEK BUSINESS PARK	2541	N OF DALLAS NORTH TOLLWAY & S OF HICKORY ST, FRISCO	CHLORINATED SOLVENTS, VOCS	12/07/2012	0B	4
	REM/VC		PSC - PLANO CAMPUS	2480	2300 W PLANO PKWY, PLANO	CHLORINATED SOLVENTS	03/26/2012	0B	1A
	REM/VC		WATLEY PARK PROPERTY	1258	1/4 MILE SOUTH OF US 380, MCKINNEY	METALS, CHLORINATED SOLVENTS	09/14/2000	0B	4
	REM/VC	*	DYNACRAFT MCKINNEY	1074	STARTING ON WILMETH RD HWY 75 GO E 75 MI TO POWERHOUSE RD THEN GO N 20 MI TO SITE, MCKINNEY	MTBE, XYLENE, P-, XYLENE, M-, XYLENE, O-, TOLUENE, ETHYL BENZENE, BUTYLBENZENE, N-, BENZENE, TMBZ, 1,3,5-	12/12/2017	0	E
	REM/VC		SASKAWAY FACILITY	999	910 10TH ST, PLANO	VC, TCE, DCE, CIS-1,2-, DCE, TRANS- 1,2-	04/15/2016	6C	E

TABLE 1
GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

COUNTY	DIVISION	NEW CASES	FILE NAME	FILE NUMBER	LOCATION	CONTAMINATION DESCRIPTION	DATE	ENFORCEMENT STATUS	DATA QUALITY	
COLLIN	WPD/MSW		NORTH TEXAS MUNICIPAL WATER DISTRICT LANDFILL (PRE-SUBTITLE D ONLY)	MSW00044A	1 MILE S OF FM 544 BETWEEN HOOPER RD AND MAXWELL CREEK RD/DEWITT RD	MW-4, 12: VOCs (BENZENE; CHLOROBENZENE; 1,4-DCB; CIS-1,2-DCE)	12/31/2004	2B	E,Q,V2	
			NORTH TEXAS MUNICIPAL WATER DISTRICT LANDFILL (PRE-SUBTITLE D AND SUBTITLE D)	MSW00568A	500 OLD MILL RD, MCKINNEY	MW-18: VOCs (CHLOROBENZENE; 1,4-DCB)	10/11/2012	2B	2B	E,Q,V2
COLLINGSWORTH	REM/CA		TEXAS DEPT OF TRANSPORTATION COLLINGSWORTH COUNTY MAINTENAN	F0430	0.15 MILES EAST OF US 83 ON SH 338, WELLINGTON	TPH	12/05/2002	3B	4	E,Q,V2
			HOLTON OIL CO LUCKY CORNER T C TRADING CO	103223 112917 118373	1101 8TH ST, WELLINGTON 1500 HOUSTON, WELLINGTON 1409 HOUSTON ST, WELLINGTON	GASOLINE GASOLINE UNKNOWN	5/26/1992 1/21/1998 8/12/2003	5B 5B 5B	2A 2A 2A	E,Q E,Q E,Q
			COLUMBUS HIGH MINI MART	120034	2560 HWY 71 S, COLUMBUS	OTHER	7/14/2016	2	6	E,Q
COLORADO	WPD/MSW		ALTAR DISPOSAL SERVICES LLC LANDFILL (PRE-SUBTITLE D AND SUBTITLE D)	MSW00203A	2 MI N OF ALTAIR ON W SIDE OF STATE HWY 71	MW-1,2, SW-2: METALS (AS, BA, ZN)	12/31/2005	2B	2B	E,Q,V2
			HEARNE PIPELINE RIGHT-OF-WAY MP 118.5	T3046	MP 118.5 IS LOCATED ON A COMMERCIAL PROPERTY, NEW BRAUNFELS	VOCs	06/06/2013	1B	5	E
COMAL	REM/CA		FORMER 7 ELEVEN STORE 36256 PARKSIDE MART	119586 119516	106 FM 306, NEW BRAUNFELS 486 LANDA ST, NEW BRAUNFELS	GASOLINE GASOLINE	10/31/2014 8/7/2014	2 2	6 6	E,Q E,Q
			SAC N PAC 601	119429	14580 RIVER RD, NEW BRAUNFELS	GASOLINE	5/27/2014	2	2A	E,Q
			SAC N PAC 602	119443	10390 FM 2673 RD, CRANES MILL	GASOLINE	12/19/2013	2	6	E,Q
			TIGER TOTE 2	119690	1081 IH 35 E, NEW BRAUNFELS	GASOLINE	5/22/2015	1B	1A	E,Q
			MESQUITE CREEK LANDFILL (PRE-SUBTITLE D AND SUBTITLE D)	MSW00066B	1000 KOHLENBERG RD, NEW BRAUNFELS	MW-2A: VOCs (1,1-DCA; CIS-1,2-DCE)	7/27/2011	2B	2B	E,Q,V2
COMANCHE	REM/PST		ALLSUPS 181	119962	632 N TEXAS ST, DE LEON	DIESEL, GASOLINE	3/29/2016	2	2A	E,Q
			BOBS TEXACO EDEN SELF SERVE STATION ENVIRONMENTAL IMPACT TRES AMIGOS CONVENIENCE STORE 2	114684 110863 92044 115719	277 N ROBERTS ST, PAINT ROCK 106 E BRDWAY ST, EDEN 320 E BRDWAY, EDEN 502 W BRDWAY, EDEN	GASOLINE GASOLINE UNKNOWN UNKNOWN	7/14/1999 4/23/1996 7/27/1988 5/2/2003	2 5B 5B 1B	6 2A 2A 1A	E,Q E,Q E,Q E,Q
COOKE	REM/PST		GAINESVILLE FUEL STOP LAKE KIOWA GENERAL STORE	119889 119815	1934 N INTERSTATE 35, GAINESVILLE 100 KIOWA DR W STE 100, GAINESVILLE	GASOLINE DIESEL, GASOLINE	2/22/2016 11/20/2015	2 2	6 2A	E,Q E,Q
			ALAN RICHEY PROPERTY	2661	2300 N IH-35, GAINESVILLE	VOCs, SVOCS, METALS, TPH	03/26/2014	0B	3	E

TABLE 1
GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

COUNTY	DIVISION	NEW CASES	FILE NAME	FILE NUMBER	LOCATION	CONTAMINATION DESCRIPTION	DATE	ENFORCEMENT STATUS	DATA QUALITY
DEAF SMITH	WQD/WQAS		HERFORD BY-PRODUCTS	WQ0001300000	APPROX 3.5 MI SW OF HERFORD ON HWY 60, 4.2 MI, SW OF INTX OF FM RD 1057 AND HWY 60	NITRATE, TDS	10/12/2004	3A 4,5	E
DELTA	REM/PST	*	ABANDONED STATION FORMER FREEMANS GROCERY	115745 120255	930 E DALLAS AVE, COOPER DELTA CR 3270 & HWY 38, BEN FRANKLIN	UNKNOWN GASOLINE	5/27/2003 6/6/2017	1B 5B 1A 1A	E,Q E,Q
DENTON	ENF	*	DALDEN CORPORATION	49479	4285 T W KING RD, SOUTHLAKE	CIS-1,2-DCE, VC, TOLUENE, PAH, TPH, RCRA 8 METALS	1/24/2014		
	REM/CA	*	ARTX PARK ADDITION	T3402	HWY 121 GO S ON VALLEY RIDGE BLVD, LEWISVILLE	VOCS	09/26/2016	0A 1A	E
			HERITAGE CLEANERS LEWISVILLE	72894	1310 W MAIN ST, LEWISVILLE	CHLORINATED SOLVENTS, PETROLEUM (BTEX)	01/30/2017	2C 4	E,Q
			SAFETY-KLEEN SYSTEMS DENTON RECYCLING CENTER	65124	1722 COOPER CREEK RD, DENTON	PETROLEUM (BTEX)	01/22/1988	1B 5	E,Q
	REM/DCRP		BAUMGART FAMILY CLEANERS	DC0047	2216 LONG PRAIRIE RD, FLOWER MOUND	CHLORINATED SOLVENTS	8/25/2006	5B	0
			BEST 1HR CLEANERS	DC0281	2717 N ELM ST, DENTON	CHLORINATED SOLVENTS	6/6/2016	5B	2A
			COMET CLEANERS - DENTON	DC0152	507 WEST UNIVERSITY DR, DENTON	CHLORINATED SOLVENTS	4/17/2008	5B	0
			FMR APPARREL CLEANERS	DC0275	2488 MEADOWGLEN DR, LEWISVILLE	CHLORINATED SOLVENTS	5/11/2016	5B	2A
			GARDEN RIDGE PLAZA - FORMER CALCON CLEANERS	DC0112	601 CROSS TIMBERS RD	CHLORINATED SOLVENTS	9/28/2001	5B	2A
			HI-TECH CLEANERS - NORTH COLONY	DC0006	6805 MAIN ST, THE COLONY	CHLORINATED SOLVENTS	1/10/2005	5B	0
	REM/PST	*	7 ELEVEN 23864	120081	1302 W MAIN ST, LEWISVILLE	GASOLINE	4/6/2016	2	6
		*	7 ELEVEN STORE 33091	120019	3040 E HEBRON PKWY, CARROLLTON	GASOLINE	4/13/2016	2	6
		*	ALL-N-ONE	120220	6414 CROSS TIMBERS RD, FLOWER MOUND	GASOLINE, DIESEL	3/20/2017	2	6
		*	CARROLLTON STORM OIL	118068	1829 W FRANKFORD RD, CARROLLTON	UNKNOWN	3/5/2009	2	6
		*	CHEVRON AT VALLEY RIDGE	120160	900 VALLEY RIDGE BLVD, LEWISVILLE	DIESEL	11/18/2016	2	2A
		*	FORMER JES COUNTRY STORE	110351	7616 MAIN ST, THE COLONY	GASOLINE	1/29/1996	2	6
		*	FORMER SCHONS TEXACO	111264	120 N WASHINGTON ST, PILOT POINT	GASOLINE	8/28/1996	5B	2A
		*	HOWDY DOODY FOOD STORE	119856	2824 N LOCUST ST, DENTON	GASOLINE	2/24/2016	2	2A
		*	INTERSTATE TEXACO	117524	FM 407, ARGYLE	UNKNOWN	12/21/2007	1B	1A
		*	JOHNNY JOES 2	113659	200 W WALCOTT ST, PILOT POINT	GASOLINE, DIESEL	11/12/1998	5B	2A
		*	K W AUTO SUPPLY	118728	108 E MAIN ST, LEWISVILLE	UNKNOWN	1/10/2012	2	2A
		*	LAKEVIEW GROCERY & BAIT	119844	1204 W ELDRADO PKWY, LITTLE ELM	GASOLINE, DIESEL	11/12/2015	2	6
		*	LEWISVILLE PEST CONTROL LTD	114694	331 N MILL ST, LEWISVILLE	GASOLINE, DIESEL	6/14/1999	2	2A
		*	MIDWAY	113738	17605 US HWY 380 W, PONDER	GASOLINE, DIESEL	11/25/1998	5B	6
		*	MILLENNIUM SHELL 2	120012	3114 W UNIVERSITY DR, DENTON	GASOLINE	5/10/2016	1B	1A
		*	MILLENNIUM SHELL 1	120007	801 E SHERMAN DR, DENTON	DIESEL, GASOLINE	5/10/2016	2	2A
		*	ROYAL TIRE & AUTOMOTIVE	120175	361 LAKE PARK RD, LEWISVILLE	GASOLINE	12/5/2016	2	6
		*	STEPHENS FUEL CENTER	118754	442 S HWY 377, PILOT POINT	UNKNOWN	4/19/2011	2	2A
		*	TWIN COVES MARINA	119767	4500 MURRELL PARK RD, FLOWER MOUND	UNKNOWN	8/26/2015	1B	1A
		*	WHIP IN 111	118155	101 HOLFORDS PRAIRIE RD, LEWISVILLE	UNKNOWN	1/5/2009	2	2A
	REM/VC		1288 W MAIN ST	2688	1288 W MAIN ST, LEWISVILLE	VOCS, CHLORINATED SOLVENTS	08/22/2014	0B	2B
			300 E MCKINNEY STREET	2561	300 E MCKINNEY ST, DENTON	VOCS	12/21/2012	0B	5
			AZALEA VILLAGE PROPERTY	2693	14865 & 14951 FISHTRAP RD, AUBREY	METALS	09/24/2014	0B	6A
			BACKWOODS TRAPS	1921	26828 US HWY 380 E, AUBREY	TPH, METALS	06/01/2006	0B	5
			CORRAL CITY TEXACO	2167	1201 FM 407, CORRAL CITY	VOCS	06/18/2008	0B	1A
		*	EXPLORER PIPELINE	2411	2700 BLOCK OF WARSCHUN RD, DENTON	VOCS, SVOCs	12/30/2011	0B	4
		*	PETERS CLEANERS	2713	2430 SOUTH IH-35 E, DENTON	CHLORINATED SOLVENTS, HERBICIDES	01/22/2015	0B	3
		*	VICTOR TECHNOLOGIES FACILITY	2740	2800 AIRPORT RD, DENTON	CHLORINATED SOLVENTS	09/01/2017	0B	2A

TABLE 2
GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY
RAILROAD COMMISSION OF TEXAS

COUNTY	DIVISION	NEW CASES SITE NAME	FILE NUMBER	OPERATOR OR LOCATION	LAT	LONG	CONTAMINATION DESCRIPTION	ENFORCEMENT STATUS	DATA QUALITY
CALDWELL	OIL & GAS	R.W. CARTER PIT, SALT FLAT FIELD	CU#60292	CRYSTAL OIL & LAND CO.	29.7309	-97.6107	TPH	5 4	E,Q,V2
CALLAHAN	OIL & GAS	JOHNSON WELL COMPLAINT	OCF#4176	WEST TEXAS GAS PROCESSING, LP.	32.1256	-99.5065	TPH	1C 4	E,Q,V2
CARSON	OIL & GAS	WALT POLING RANCH WATER PANHANDLE WEST	OCF#1627	PHILLIPS PETROLEUM CO.	35.5783	-101.6228	TPH	0 4	E,Q,V2
CASS	OIL & GAS	ATLANTA COMPRESSOR STATION Lodi Gas Processing Plant	OCF#1035 CU#60742	TEXAS EASTERN PIPELINE CO. (PCB) RODDESA FIELD, 12 MILES S OF ATLANTA, TX	33.0519 32.9004	-94.0713 -94.1422	PCB TPH, BTEX	0 2 5 5	E,Q,V2 E,Q,V2
CHAMBERS	OIL & GAS	BARBERS HILL CRUDE OIL RELEASE BAY TEN BUSINESS PARK - TRACTS 6,7, AND 8 STERLING, R.S. LEASE TURTLE BAYOU SITE	OCF#4177 VCP#15003 OCF#4985 BRP#1101	SUNOCO PIPELINE, L.P. GRAND PARKWAY / KILGORE PARKWAY, L.P. M.B. ENVIRONMENTAL SERVICES, LLC CHAMBERS-LIBERTY COUNTIES NAVIGATION DISTRICT	29.8326 29.8017 29.8666 29.8333	-94.8853 -94.8655 -94.6833 -94.6708	TPH, BENZENE, PSH CHLORIDE CHLORIDE, NORM BTEX, CHLORIDE	0 5 0 2B 2 4 0 2B	E,Q,V2 E,Q,V2 E,Q,V2 E,Q,V2
		WEST STORAGE BRINE POND 1 (PIT PERMIT NO. P005703)	OCF#4935	ENTERPRISE PRODUCTS TEXAS OP LP	29.8510	-94.9060	CHLORIDE	1B 5	E,Q,V2
CHEROKEE	OIL & GAS	RUSK STATION	OCF#4064	CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY	31.7025	-95.1486	TPH, BTEX	0 5	E,Q,V2
COCHRAN	OIL & GAS	LEHMAN COMPRESSOR STATION	OCF#1611	OXY USA INC.	33.5483	-102.8214	TPH	1D 4	E,Q,V2
COKE	OIL & GAS	BRONTE CAPPS UNIT SALT WATER RELEASE	OCF#5051	MEMORIAL PRODUCTION OPERATIONS, LLC.	31.8698	-100.3125	TPH, BTEX, PAH, SVOCs, BA, HG, CHLORIDE	0 4	E,Q,V2
		JAMESON GAS PLANT	OCF#1553	WTG GAS PROCESSING, LP (FORMERLY DEVON GAS SERVICES, LP)	32.0487	-100.6823	TPH	1A 4	E,Q,V2
		JAMESON WELL COMPLAINT WENDKIRK OIL FIELD	OCF#3002 CU#60031	SUNOCO, INC. NONPOINT SOURCE INVESTIGATION & REMEDIATION	32.0518 31.8502	-100.6756 -100.3666	TPH, BTEX CHLORIDE	1C 4 1B 4	E,Q,V2 E,Q,V2
COLORADO	OIL & GAS	FORMER GROUND FLARE PIT, HOUSTON CENTRAL GAS PLANT	OCF#4968	KINDER MORGAN, INC (FORMERLY KINDER MORGAN ENERGY PARTNERS, L.P.)	29.4697	-96.6222	TPH, BTEX, PAH, AS, BA, CHLORIDE	0 4	E,Q,V2
		KENNETH OWENS PROPERTY FACILITY NEUENDORFF COMPLAINT NORTH CHESTERVILLE AMINE TREATING FACILITY	OCF#4936 CU#64622 OCF#3303	BOUNDARY VENTURES, INC. NORTH OF COLUMBUS ENTERPRISE PRODUCTS	29.5505 29.8426 29.6183	-96.4588 -96.5213 -96.2625	CHLORIDE, AS, BA CHLORIDE AMINE	3 1 1C 2B 0 6A	E,Q,V2 E,Q,V2 E,Q,V2
COMAL	OIL & GAS	HEARNE PIPELINE RIGHT OF WAY	OCF#4833	CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY	29.7437	-98.0514	TPH, BTEX	1D 4	E,Q,V2
COMANCHE	OIL & GAS	GOLDEN PEANUT FACILITY, ROUT 2 FM 1496, COMYN, TX	OCF#4816	EXXONMOBIL PIPELINE CO	32.0696	-98.4646	TPH, BTEX, PSH	1A 4	E,Q,V2
COOKE	OIL & GAS	TOM DANGLEMYER COMPLAINT	CU#64790	DANGLE FIELD, 5 MILES SOUTH OF MIENSTER	33.5794	-97.3567	NATURAL GAS	2 3	E,Q,V2
CRANE	OIL & GAS	BLOCK 31 GAS PLANT	OCF#1132	OXY USA (FORMERLY BP, ATLANTIC RICHFIELD COMPANY, ARCO PERMIAN)	31.4414	-102.4609	TPH, BTEX, PSH, PCB	0 6C	E,Q,V2

TABLE 4 (APPENDIX 8)
 HISTORIC GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY
 ALL AGENCIES, 1994-2016

County	Agency	Division	Section	File Name	File Number	Location	Contamination Description	Enforcement Status	Year Deleted				
COCHRAN	RRC	OIL & GAS		JAY ADAMS COMPLAINT (EXXONMOBIL) LARRY BESEDA COMPLAINT	8A-4484 8A-0840	NORTH LEVELLAND UNIT 3 MILES WEST OF WHITEFACE	CHLORIDES CL	1C 2	2003 1994				
				MORTON PUBLIC WATER SUPPLY MORTON PUBLIC WATER SUPPLY	400001 G0400001A	WELL 1 (G040001A) - SE OF JEFFERSON AVE AND 1ST ST 1- 1ST/JEFFERSON	BENZENE BENZENE	2C	1998 2000				
COKE	RRC	OIL & GAS	7C	ORYX ENERGY CORPORATION		JAMESON FIELD	CHLORIDES	1A	2002				
				WEST TEXAS UTILITIES OAK CREEK PLA	G0410013A	1-200FT NE OF PLANT	PROMETON, BROMACIL	2C	2001				
COLLIN	TCEQ	REM	DCRP	CUFF AND COLLAR CLEANERS FMR? USA CLEANERS - PLANO SUMMERSIDE CLEANERS	DC0156 DC0120 DC0101	1405 JUPITER ROAD 2912 LEGACY DR 17475 PRESTON ROAD, DALLAS 2070 W SPRING PKWY, STE 346	CHLORINATED SOLVENTS CHLORINATED SOLVENTS CHLORINATED SOLVENTS CHLORINATED SOLVENTS	0B, 2B 6C 6C 6C	2011 2010 2011 2012				
				VILLAGE CREEK SHOPPING CENTER FORMER PLANO CLEANER	DC0189 DC0059	6150 INDEPENDENCE PARKWAY, PLANO	CHLORINATED SOLVENTS	2B, 5B 2B	2009				
				BENT TREE SHOPPING CENTER PRAIRIE CREEK VILLAGE SHOPPING CENTER	747 2606	17610 MIDWAY ROAD, DALLAS 2963 WEST 15TH ST, PLANO	CHLORINATED SOLVENTS VOCs, CHLORINATED SOLVENTS	0B 0B	2015 2015				
				BERKELEY SQUARE SHOPPING CENTER BERKELEY SQUARE SHOPPING CENTER	1399 537	4621 WEST PARK BLVD, PLANO 4622 WEST PARK BLVD, PLANO	CHLORINATED SOLVENTS CHLORINATED SOLVENTS	0 0	2001 2001				
				PARK PAVILLION SHOPPING CENTER PARKWOOD SQUARE SHOPPING CENTER	772 918	2001 COIT ROAD, PLANO 300 CUSTER ROAD, PLANO	VOCs CHLORINATED SOLVENTS	0 0	2004 2002				
				PITTMAN CORNERS SEC FM 720 AND PRESTON ROAD (FRISCO)	915 660	SWC 15TH AND CUSTER ROAD, PLANO SEC FM 720 & PRESTON ROAD, FRISCO	CHLORINATED SOLVENTS CHLORINATED SOLVENTS	0 0	2001 2000				
				SECURITY STORAGE VACANT TRACT OF LAND/ARAP AHO AND QUORUM	501 204	1919 WEST 15TH ST, PLANO SWC ARAPAHOE AND QUORUM, ADDISON	TPH, BTEX TPH, PETROLEUM HYDROCARBONS	0 6C	2000 6C				
				121 REGIONAL DISPOSAL LANDFILL	MSW02294	CITY OF ANNA IS N AND CITY OF MELISSA IS W; THE RDF IS NOT WITHIN CITY LIMITS OF EITHER	TPH, PETROLEUM HYDROCARBONS MW-4; NICKEL, ZINC	2B	2010				
				CITY OF WYLIE: MW-12 AND 13	MSW00712	0.5 MI SE OF INTERSECTION OF STATE HWY 78 & FM 2514, WYLIE	VOCs (TOLUENE)	2A	1998				
				NORTH TEXAS MUNICIPAL WATER DISTRICT LANDFILL	MSW00568A	500 OLD MILL RD, MCKINNEY		2B	2012				
				COLORADO	RRC	OIL & GAS	3	LESLIE HEINSOHN COMPLAINT	03-5007	8 MILES NW OF COLUMBUS	SODIUM CHLORIDE	1C	2000
								ALTAIR DISPOSAL SERVICES LLC LANDFILL (PRE-SUBTITLE D AND SUBTITLE D)	MSW00203A	2 MILES N OF ALTAIR ON W SIDE OF STATE HIGHWAY 71		6C	2015
				COMAL	TCEQ	WAD	GPAT	USGS FREON PLUME STUDY		5 WELLS (68-22-801, 68-22-805, 68-23-304, 68-30-215, & 68-30-312) AND 2 SPRINGS (68-15-901 & 68-23-304) IN COMAL COUNTY	CCL3F (FREON)	3	2006
								EXXONMOBILE REFINING AND SUPPLY CO	OCP#3033	FORMER DELEON STATION	BTEX, TPH	0	2013

TABLE 4 (APPENDIX 8)
 HISTORIC GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY
 ALL AGENCIES, 1994-2016

County	Agency	Division	Section	File Name	File Number	Location	Contamination Description	Enforcement Status	Year Deleted
COMANCHE	RRC	OIL & GAS	7B	UNIDENTIFIED	7B-7401	5 MILES NORTHWEST OF DUSTER	BENZENE IN GW WELL	5 6C	2003
	TCEQ	WAD	GPAT	TDA PESTICIDE SURVEY	4105505	WELL NO 41-05-505 (SAMPLE 1171-91-003) "COMANCHE 31"	METOLACHLOR	2D 6C	2006
COOKE				TDA PESTICIDE SURVEY	4105508	WELL NO 41-05-508 (SAMPLE REP 2) "COMANCHE 9"	2,4,5-T	2D 6C	2006
	RRC	OIL & GAS	9	CREED COMPLAINT	OCR# 1675	4 MILES NW OF MUESTER, COOKE COUNTY	NACL	5 6C	2005
TCEQ	REM	VC	VC	SOUTHLAND PAINT COMPANY	904	1101 SOUTHLAND DR, GAINESVILLE	VOCS, SVOCS, CHLORINATED SOLVENTS, TPH	0B 6D	2015
	WPD	MSW	VC/VCP	GAINESVILLE MUNICIPAL AIRPORT - 2	758	2300 BONNAVILLA, ROUTE 2, BOX 3416, GAINESVILLE	TPH	0 6C	1999
	WPD	MSW	MSW	CITY OF GAINESVILLE: MW-8A AND MW-9	MSW00302	ON FM 902, 2.5 MI E OF FM 372, GAINESVILLE	TDS, CL, VOCS.	2A 6C	1996
CORYELL				CITY OF GAINESVILLE LANDFILL	MSW00302	N OF FM 902 2.5 MILE E OF FM 902 AND FM 373 INTERSECTION IN COOKE COUNTY	MW-2: VOCS (CHLOROBENZENE); MW-3R: VOCS (1,4-DICHLOROBENZENE)	6C 6C	2013
	TCEQ	WPD	MSW	FORT HOOD LANDFILL	MSW01866	WEST ON HWY 90 (W FT HOOD EXIT), RIGHT ON CLARK RD, AT DEAD END OF CLARK RD	MW-8: 1,1-DCA	2B 6C	2010
CRANE	RRC	OIL & GAS	8	SHELL PIPELINE COMPANY	OCR#1052	PENWELL PUMP STATION, 15 MI S OF PENWELL	CRUDE	0 6C	2011
				EDWARDS RANCH WATER FIELD		10 MILES SE OF MONAHANS	NACL	0 6C	1998
CROCKETT	RRC	OIL & GAS	7C	DUKE ENERGY (FORMERLY UPRC) BELVAN GAS PLANT - MONITORING WELL	OCR#1203	OZONA GAS PLANT, 1 MI S OF OZONA	HYDROCARBONS	0 6C	2011
				EMERALD UNDERGROUND WATER DIST	7C-1756	20 MILES NW OF OZONA	OIL	1C 6C	1995
				KOCH MIDSTREAM SERVICES (SID RICHARDSON)	7C-1961	25 MILES WEST OF OZONA	CRUDE OIL	1C 6C	2000
CROSSBY					OCR# 1474	6 MILES SOUTH OF MCCAMEY	BTEX	0 6C	2003
	RRC	OIL & GAS	8A	PRICE THOMAS COMPLAINT RIVERA COMPLAINT	8A-3475	5 MILES SOUTH OF CAP ROCK 20 MILES NORTH OF POST	CHLORIDES CHLORIDES	1C 6C	1999
CULBERSON	TCEQ	WAD	GPAT	COOP TNRCC/TWDB	2313606	WELL NO 23-13-606 (SAMPLE NO 2313606) (2313606)[CONE WSC]	ATRAZINE	1B 6C	2006
	TCEQ	WSD	PDW	GMNP - PINE SPRINGS	550014		ALKANES, BTEX, BENZENES, BUTANES, HEXANES, HYDROCARBONS, PENTANES, TOLUENE	6C 6C	1999

TABLE 4 (APPENDIX 8)
HISTORIC GROUNDWATER CONTAMINATION CASE DESCRIPTION BY COUNTY
ALL AGENCIES, 1994-2016

County	Agency	Division	Section	File Name	File Number	Location	Contamination Description	Enforcement Status	Year Deleted
DALLAS	TCEQ	WPD	MSW	TRINITY OAKS LANDFILL (PRE-SUBTITLE D ONLY)	MSW00556	7 MI S OF MESQUITE, 0.5 MI SE OF INTERSECTION OF INTERSTATE HWY 635 AND US HWY 175		6C	2016
				D BAR B MOBILE HOME RANCH	G0570082A	1-SOUTH SIDE OF MHP	PCE	6C	2000
DAWSON	RRC	OIL & GAS	8A	PLAINS PIPELINE LP	OCP#2426	SAN STATION HISTORICAL LEAK NO 2002-10254	TPH	0	2015
				JOHN WRIGHT (REOPENED MELVIN SMITH COMPLAINT)	8A-3078,8A-1336	6 MILES SE OF O'DONNELL	CHLORIDES	1C	1995
DEAF SMITH	TCEQ	WSD	PDW	KLONDIKE HIGH SCHOOL	G0580025A	1-EAST OF SCHOOL	MTBE	2C	2006
				COOP TNRCC/TWDB	1004202	WELL NO 10-04-202 (SAMPLE NO DS711013) (1004202)[WH JONES]	ATRAZINE	1B	2006
DEAF SMITH	TCEQ	WAD	GPAT	COOP TNRCC/TWDB	1006302	WELL NO 10-06-302 (SAMPLE NO DS711011) (1006302)[HAROLD DILLEHAY]	ATRAZINE	1B	2006
				DEAF SMITH COUNTY FWSD 1 HEREFORD MUNICIPAL WATER SUPPLY	G0590002A 590001	1.2 BLOCKS E OF GRD STO WELL 3 (G0590001B) - SE OF MCKINLEY AVE AND NEW YORK AVE	ATRAZINE BTEX, 1,2- DCA, METHYL CYCLOHEXANE, METHYL PENTANES, BUTANE, METHYLCYCLOPENTANE ET AL 1,2- DCA, ATRAZINE, BTEX, BUTANE, CYCLOHEXANE, METHYL CYCLOPENTANE, METHYL PENTANES	2D 2D	2002 1998
DEAF SMITH	TCEQ	WSD	PDW	HEREFORD MUNICIPAL WATER SUPPLY	G0590001AN	37- VETERANS PARK		6C	2000
				HEREFORD MUNICIPAL WATER SUPPLY	G0590001AR	41-CAUSEY & AUSTIN		6C	2000
DENTON	TCEQ	REM	CA DCRP VC	GNB TECHNOLOGIES INC FORMER COTTAGE CLEANERS 100 & 306 N LOOP 288	30516 DC0067 2694	7471 S 5TH ST, FRISCO 2636 FRANKFORD ROAD, DALLAS 100 & 306 NORTH LOOP 288, DENTON	LEAD, CADMIUM, PH CHLORINATED SOLVENTS MTBE, TOLUENE, BARIUM, ARSENIC, CHROMIUM, MERCURY, LEAD, M,P-XYLENE CHLORINATED SOLVENTS,TPH VOCS, TPH	3A 2B, 5B 0B	2002 2009 2015
				CLEM'S YE OLDE HOMESTEAD FARMS, LTD. FLOWER MOUND CROSSING	2294 2363	1639 PARKER ROAD, CARROLLTON 2608 FLOWER MOUND ROAD, FLOWER MOUND 111 MAIN ST, LITTLE ELM		0B 0B	2015 2015
DENTON	TCEQ	VC/BSA VC/POP	VC/BSA VC/POP	FORMER GASOLINE/AUTOMOTIVE SERVICE STATION FREEDOM OIL PROPERTY	2605	111 MAIN ST, LITTLE ELM	VOCS, METALS, PESTICIDES	0B	2015
				WILLOW RIDGE APARTMENTS	G045	NWC HENRIETTA CREEK RD AND HIGHWAY 377, ROANOKE	TPH, PCBs	6C	2000
DENTON	TCEQ	VC/VCP	VC/VCP	HENRIETTA CREEK ROAD SITE	112	797 SOUTH OLD ORCHARD, LEWISVILLE	CHLORINATED SOLVENTS, MTBE VOCS	0	2000
				SACK N SAVE TEXAS NEW MEXICO POWER COMPANY THE DENTON- RECORD CHRONICLE	519 473 668 1286	5800-5900 BLOCK OF HENRIETTA CREEK ROAD, ROANOKE 1500 IH 35E @ AVENUE C, DENTON 792 EAST MAIN ST, LEWISVILLE 314 EAST HICKORY ST, DENTON		0	2000 2004 2001
DENTON	TCEQ	MSW	MSW	VALLEY SQUARE SHOPPING CENTER CAMELOT LANDFILL (CITY OF FARMERS BRANCH)	803 MSW01312A	724 WEST MAIN ST, LEWISVILLE 0.8 MI S OF SH 121, N OF ELM FORK TRINITY RIVER, 1.5 MI W OF FM 2281, HEBRON	CHLORINATED SOLVENTS MW-10: VOCS (CIS- 1,2- DCE; TCE; VINYL CHLORIDE)	2A	1999

ATTACHMENT B

Newspaper Article Concerning Water Conservation



3555 Duchess
P.O. Box 369
Denton, TX 76202
940-387-3811



Publication(s): Denton Record-Chronicle

PROOF OF PUBLICATION

Being duly sworn (s)he is the Publisher/authorized designee of Denton Record-Chronicle, in City of Denton/surrounding areas in Denton County; Newspaper of general circulation which has been continuously and regularly published for a period of not less than one year preceding the date of the attached notice, and that the said notice was published in said newspaper Denton Record-Chronicle on the following dates below:

08/05/2018

[Handwritten signature]

(signature of Authorized Designee)

Subscribed and sworn to before me
this 5th day of August by
2018

Bill Patterson

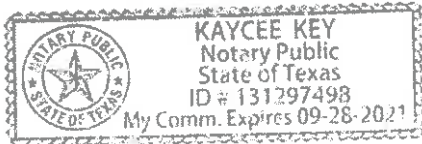
(printed name of Designee)

Witness my hand and official seal:

[Handwritten signature: Kaycee Key]

(signature of notary public)

Notary Public, Denton County, Texas



NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT
PO BOX 508
GAINESVILLE, TX 78241

DentonRC.com

Water Conservation - Tips for Outdoors

Lawns generally prefer thorough and less frequent watering. This promotes deeper root growth which establishes a more drought tolerant lawn.

Install rain shut-off devices on irrigation systems and adjust sprinklers to eliminate coverage on pavement. Check sprinkler heads regularly to make sure they are working properly. For plants that need more water, use a hose or watering can to give them additional water.

Prevent evaporation of water by watering lawns early in the morning and avoiding windy days. Use drip irrigation systems for bedded plants, trees, or shrubs and use low-angle sprinklers for lawns.

By covering pools and spas, this can save the equivalent of your pool/spa volume each year!

Harvest the rain. Buy a rain barrel or a cistern and collect the water from your gutters to water your plants.

Taller grass shades the soil beneath it therefore enabling the soil to hold moisture longer by preventing evaporation. Leaving lawn clippings on the lawn instead of bagging helps hold moisture as well.

Use lots of mulch around your shrubs and trees. It will retain moisture, reduce run-off, moderate soil temperatures, and help with weed control.

North Texas Groundwater Conservation District

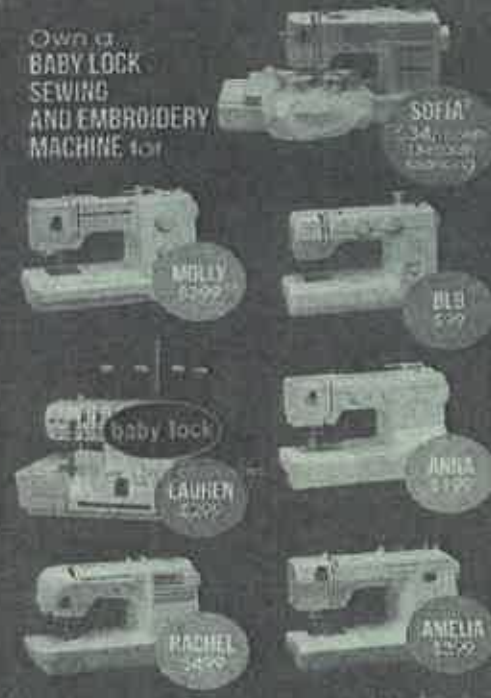
BABY LOCK BACK to SCHOOL SALE



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8/1/16 - 9/30/16

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STATE OF TEXAS

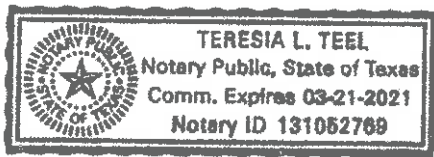
COUNTY OF COOKE



Before me, the undersigned, on this day personally appeared Sarah Einselen, The Editor, of the Gainesville Daily Register, a newspaper having general circulation in Cooke County, Texas, who being by me duly sworn, deposes and says that the foregoing attached notice was published in said newspaper on the following date(s), to wit: Aug 18, 2018

Sarah M. Einselen
Sarah Einselen, Editor

Subscribed and sworn to before me this 12 day of September, 2018.



Teresia L. Teel
Notary Public in and for the State of Texas

important
be sure
food is
safe.
lead to food
entering
the "danger
zone." The
"danger
zone" is
critical to

think about when storing
and chilling food after
cooking. Leaving leftovers
out of the refrigerator
for more than two hours
can increase the chances
of having bacteria
grow on the food. Since
temperatures can reach
over 90 degrees in Texas,
it may take less than two
hours for bacteria growth
to begin.

By taking a few extra
steps, you can make sure
that you are cooking and
serving a safe and healthy
meal.

PARENTS NEED TO BRING:

- ∞ Birth Certificate
- ∞ Shot Record
- ∞ Social Security Card

**OPEN HOUSE/
MEET THE TEACHERS
8/16- 5:30PM**

**STILL ACCEPTING NEW TRANSFERS
FOR 2018-2019 SCHOOL YEAR**

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North Texas Groundwater Conservation District

STAR LOCAL MEDIA



McKinney Courier Gazette, Internet

AFFIDAVIT OF LEGAL NOTICE

I, Nick Souders, Inside Sales Manager of the McKinney Courier Gazette, Internet a newspaper printed in the English language in Collin County, State of Texas, do hereby certify that this notice was Published in the McKinney Courier Gazette, Internet on the following dates, to-wit

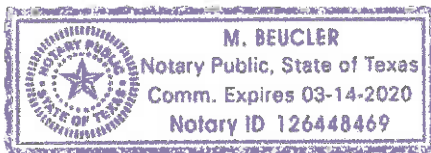
McKinney Courier Gazette	08/05/18	08/05/18	1
Internet	08/05/18	08/05/18	1

Water Conservation Tips PSA	\$259.00
(Description)	(Cost)

Inside Sales Manager of the McKinney Courier Gazette, Internet

Subscribed and sworn on this

6th day of August, 2018



M. Beucler

Notary Public, State of Texas

Water Conservation - Tips for Outdoors

Lawns generally prefer thorough and less frequent watering. This promotes deeper root growth which establishes a more drought tolerant lawn.

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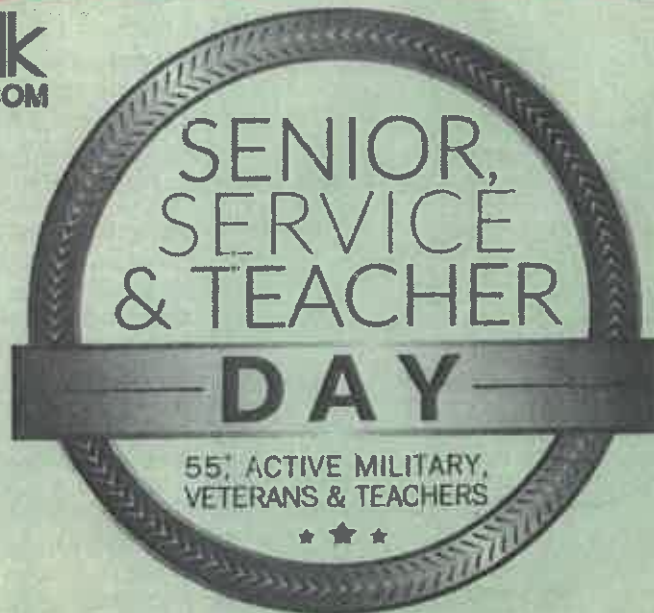
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North Texas Groundwater Conservation District

belk
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TUESDAY, AUGUST 7

SHOPPING PASS
TUESDAY, AUGUST 7

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In store and online

*If you're 55 or older, or are active military, veteran or teacher with valid ID, take an extra 20% off storewide, or 15% off in our home & shoes departments, with your Belk Rewards Card or any other form of payment, on your sale purchases. Excludes Red Dot, Clearance, Earlybirds, Night Out, Doorbusters, Bonus Buys, Super Buys, Everyday Values, 2 for pricing, Adults, All-Clad, Anabela, Annika Exchange watches, baby gear, better & designer intimates, Billieberg, Blüthenstock, Breville, Brighton, Brooks Brothers, Buffalo, Casia, COH Man, Clatsonic, Conch, Columbia, cosmetics/fragrances, Dansk, designer handbags, designer sunglasses, Diane Von Furstenberg, Diesel watches, Dockers pants & shirts, Diquary & Bouleia, Eileen Fisher, Eileen Fisher Systems, Emporio Armani watches, FAD Schwarz, Fera jewelry watches and service plans, FRANK Fossil & Fossil Q watches, Free People, Furia, Herend, Helix, Hugo Boss, Hunter Boots, Huxley, Jack Rogers, Johnston & Murphy, Kate Spade accessories, Koss Studio Lacoste, better better media, Ladita designer & contemporary sportswear & dresses, ladies, kids & men's designer shoes, lace by Marc Jacobs watches, Melissa & Doug, Maxwell, Michael Kors, Miss Me, Newika, Nika, Orthohair/Vivac, OTB, Polo Sport, Puma, Ralph Lauren/Polo, RedHot by Spanx, Seil to Sable, Seven for All Mankind, Skagen, Sorai, Southern Proper, Southern Tide, Spanx, Spartina 449, Sperry Gold Cup, Steve Madden handbags, Swarovski, Tommy Bahama apparel, Tommy Hilfinger apparel, TOMS shoes, Trina Turk apparel, Turni, Ugg, Under Armour, Vans, Vera Bradley, Versus watches, Victorinox, Vield, Vineyard Vines, Viotage 1946, Vismix, Washed, non-merchandise dept., leased dept., salon services and Belk gift cards. Also excluded online: Brahmin, Chanel, Frye, Jo Malone, Jiliska, Sam Edelman, shoes by Born and Minneapolis Moccasin, and watches by Ardas, DKNY, Guerin and Guenz. Not valid on prior purchases, special orders or trunk shows. Cannot be redeemed for cash, credit or refund, used in combination with any other discount or coupon offer. Valid Tuesday, August 7, 2018. All Belk Rewards credit card purchases are subject to credit approval.

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ATTACHMENT C

Presentations to Public by General Manager

**Presentation to Sherman Kiwana's February 8, 2018
and Grayson Rotary April 25, 2018**

Greater Texoma Utility Authority



Sherman Kiwanis
February 8, 2018

Grayson Rotary
April 25, 2018



What is GTUA?

- A political subdivision of the State of Texas established in 1979 for the purpose of assisting cities and public service providers with infrastructure, solid waste, water and sewer needs.
- Created at the request Cities of Denison and Sherman
- Since added Anna, Bailey, Collinsville, Ector, Gainesville, Gunter, Howe, Leonard, Muenster, Pottsboro, Tioga, Tom Bean, Valley View, Van Alstyne, Whitesboro, and Whitewright

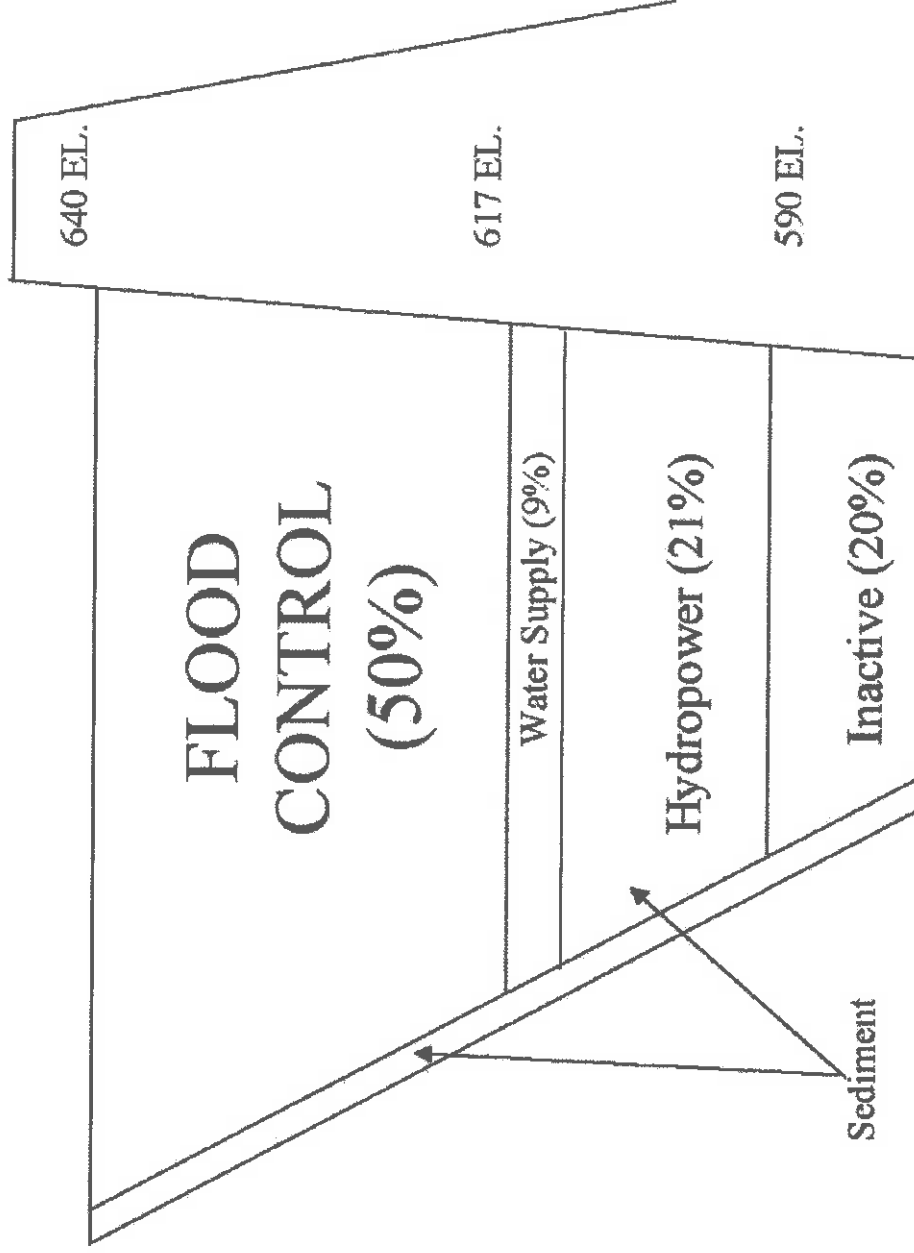
Water Supply



Lake Texoma

- 2,516,232 acre-feet storage
- Multi-purpose – flood control, hydropower, municipal, recreational
- Original municipal storage 150,000 acre-feet,
 - Contracts – GTUA, NTMWD, City of Denison, and TXU
- Water Resources Act of 1986 – additional 300,000 acre-feet
 - 150,000 acre-feet to Texas
 - GTUA – 50,000 acre-feet – sold to 15 retail water providers
 - NTWMD – 100,000 acre-feet
 - 150,000 acre-feet to Oklahoma
 - Pointe Vista – 409 acre-feet
 - Buncombe Creek Resort – 0.4 acre-feet

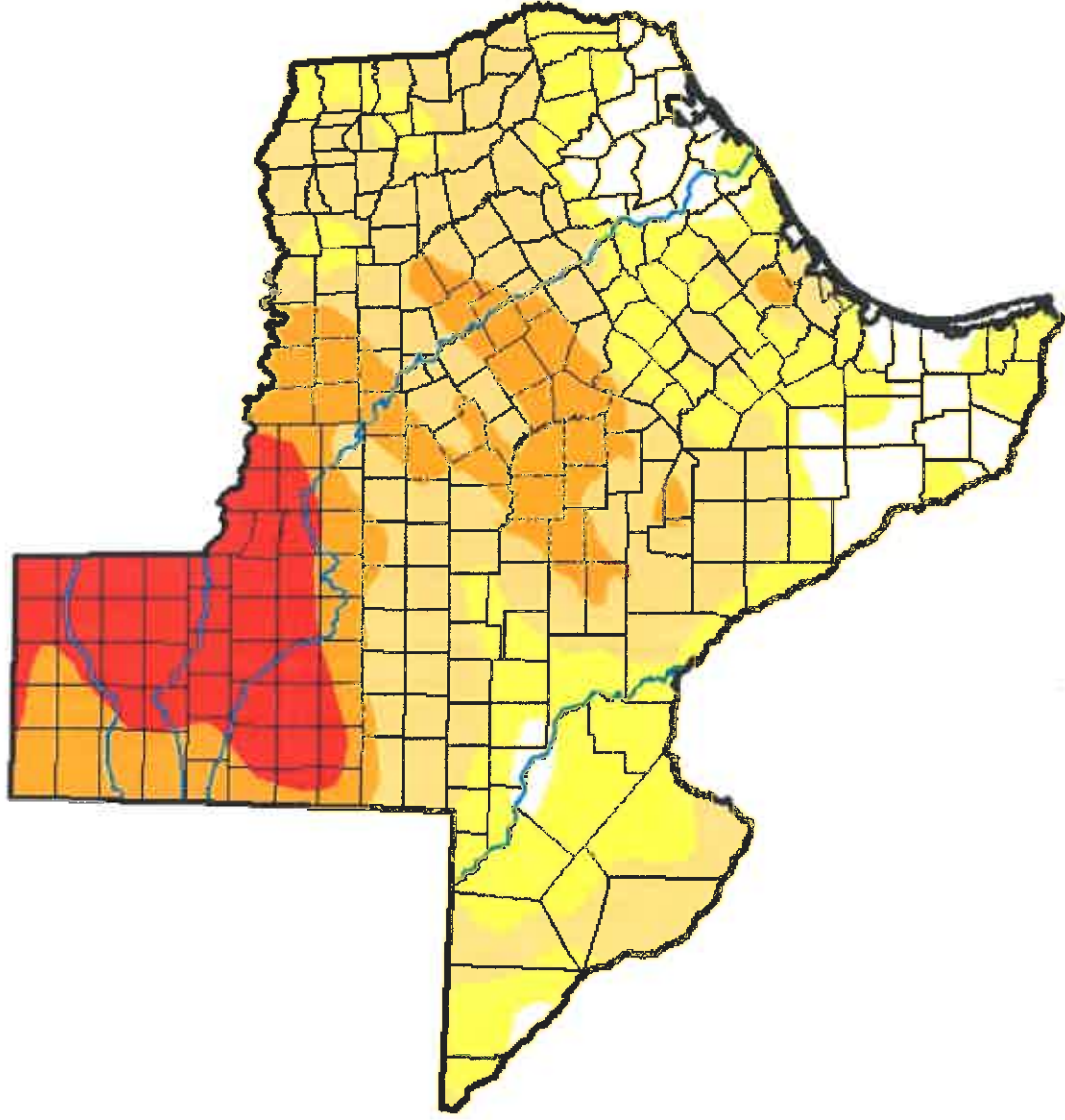
WATER STORAGE IN LAKE TEXOMA







Source: Corps of Engineers - Tulsa District

U.S. Drought Monitor Texas

February 6, 2018
(Released Thursday, Feb. 8, 2018)
Valid 7 a.m. EST



Intensity:

-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Eric Luebbehusen
U.S. Department of Agriculture

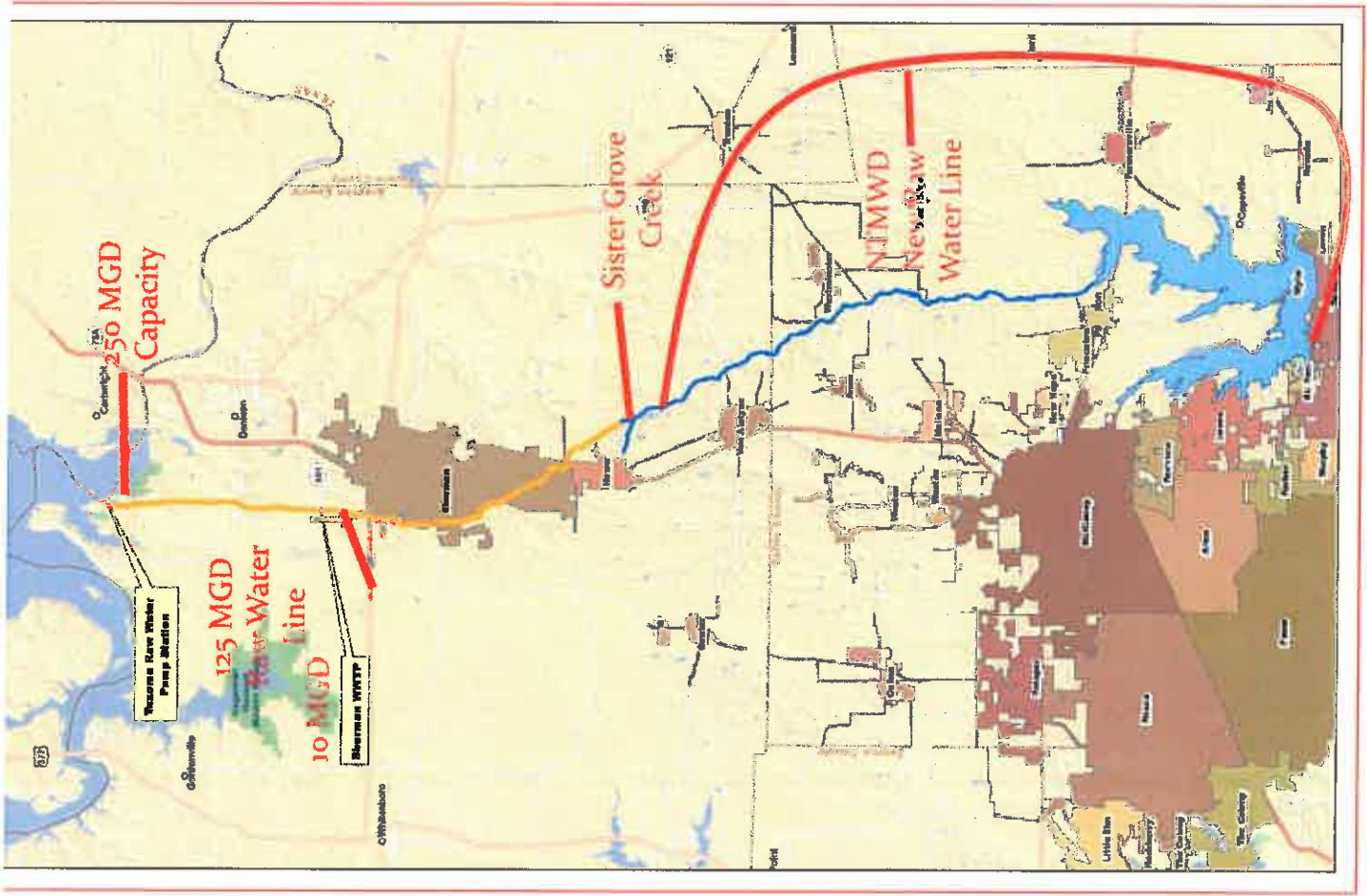


<http://droughtmonitor.unl.edu/>

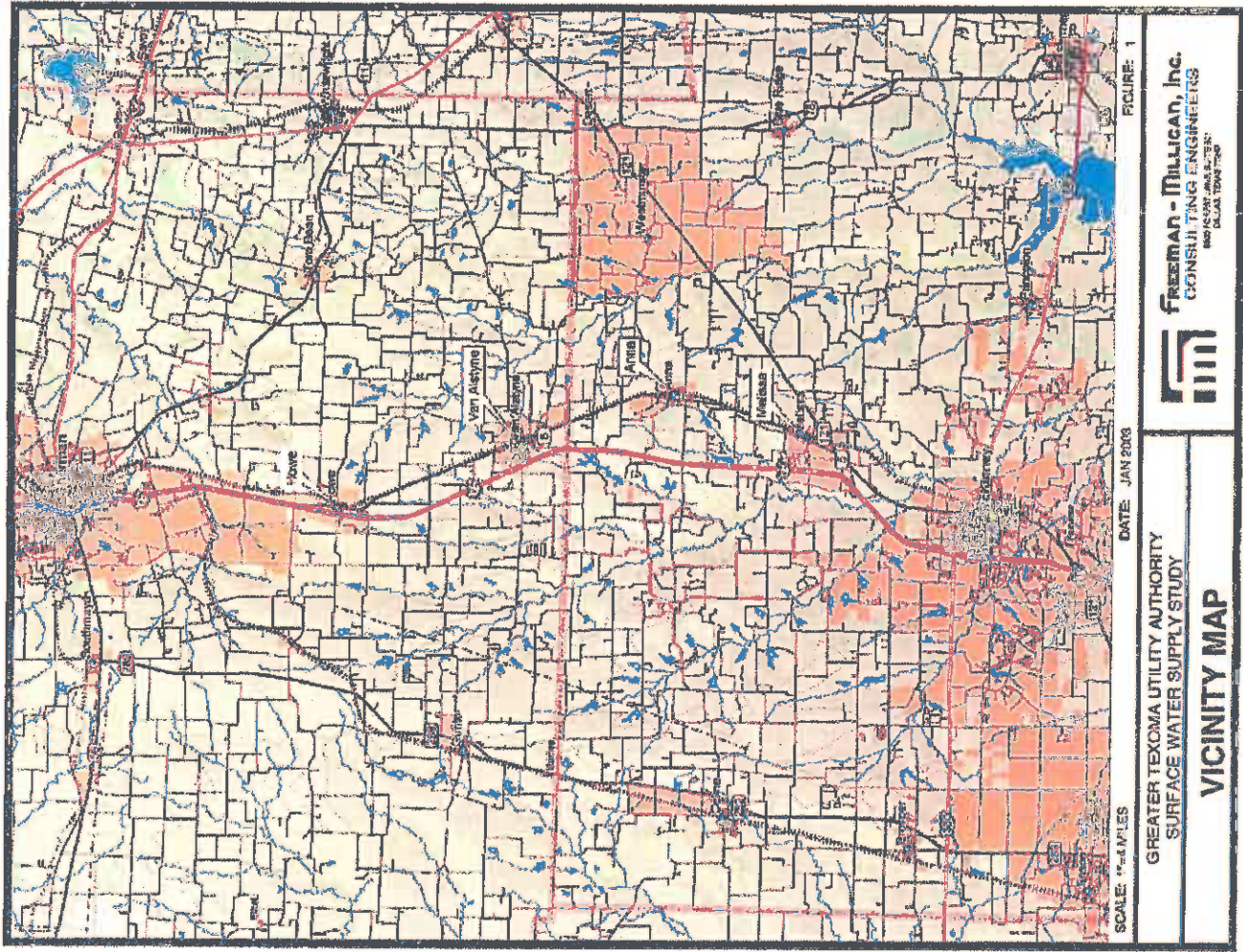
Lake Texoma Drought, '13-'14

- Drought was primary reason for low lake levels
- 2013 was 2nd lowest inflow on record
- Hydropower had lowest year of generation in 2013
- NTMWD had not taken water since 2009
- GTUA used 5,162 of 83,200 acre-feet in 2013
- Peak day evaporation losses can be as much as 2,000 acre-feet or 651 million gallons





Collin- Grayson Municipal Alliance Waterline

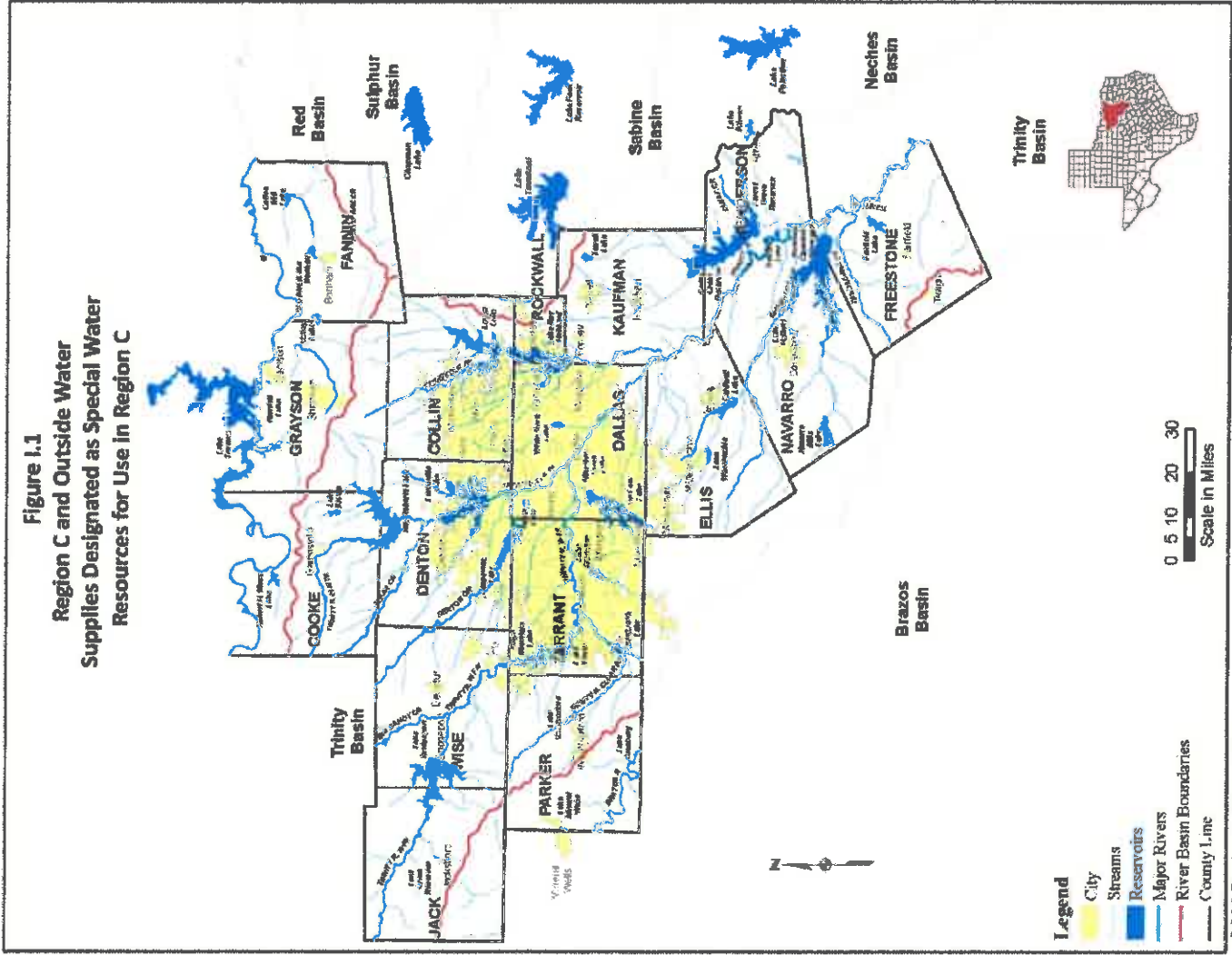


The background of the entire page is a close-up photograph of water ripples on a blue surface. The ripples are concentric circles of varying sizes, creating a textured, shimmering effect. The color transitions from a deep, dark blue on the left to a lighter, more vibrant blue on the right.

Regional Water Planning

Region C

- Population Total
 - 7.5 million – 2020
 - 14.3 million – 2070
- Counties with most rapid growth
 - Collin County
 - Denton County



GTUA Projects





Financing and Construction

- Finance, administer and inspect water and wastewater projects
- GTUA has over \$155 million in debt issued on behalf of area entities
- Largest number of loans with the TWDB

Current Projects

- Sherman WTP, WWTP and Systems
- Krum Water Well
- Tom Bean Well and Pump Station
- Ector Wastewater Treatment Plant
- Princeton Pump Station
- Gunter WWTP and Water Well





GTUA Operations

- Assist area providers with
 - Public Water Systems
 - Wastewater Treatment Plants and Systems
 - Dripping Springs Landfill

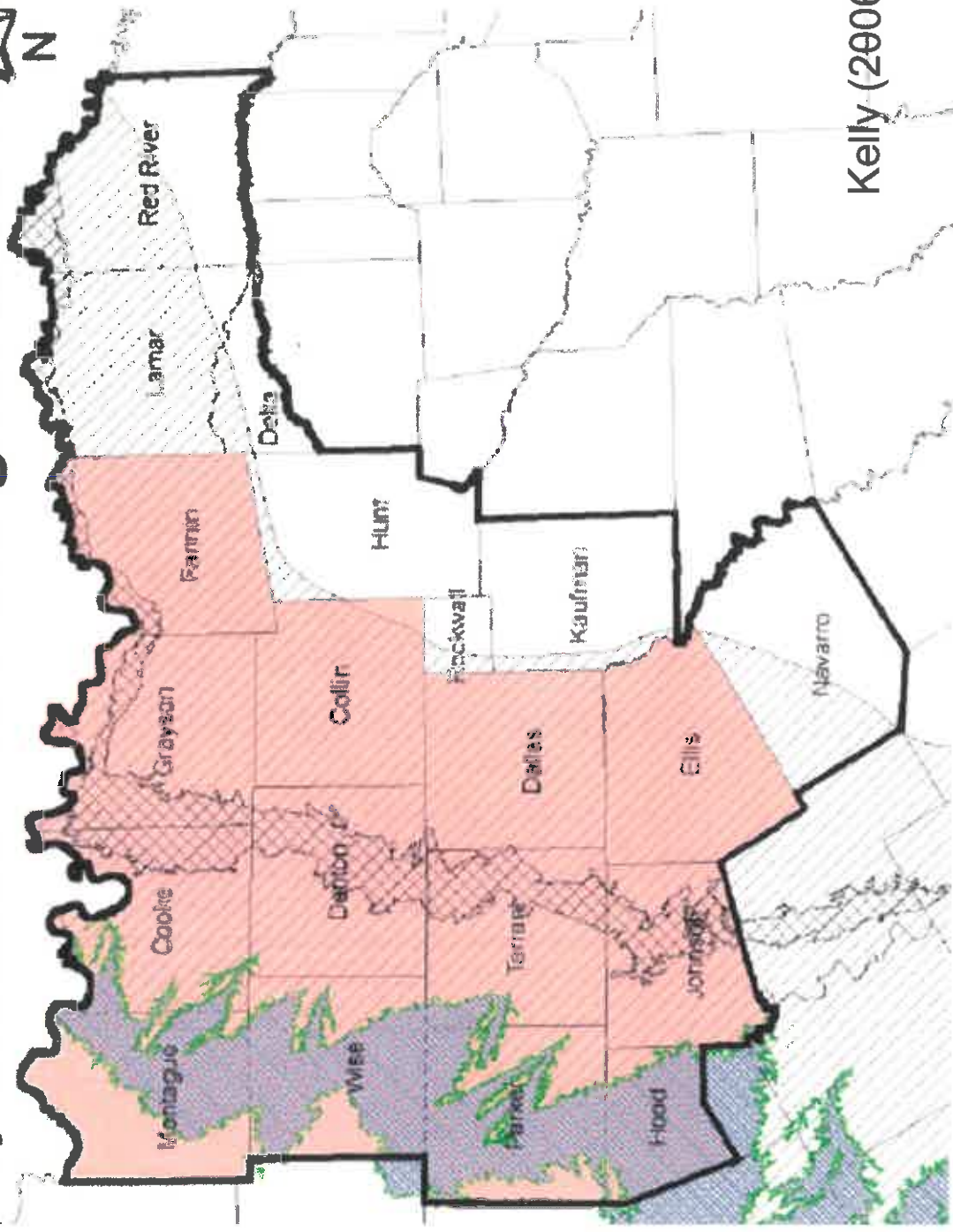
Groundwater Conservation Districts



Creation of groundwater districts in North Central Texas

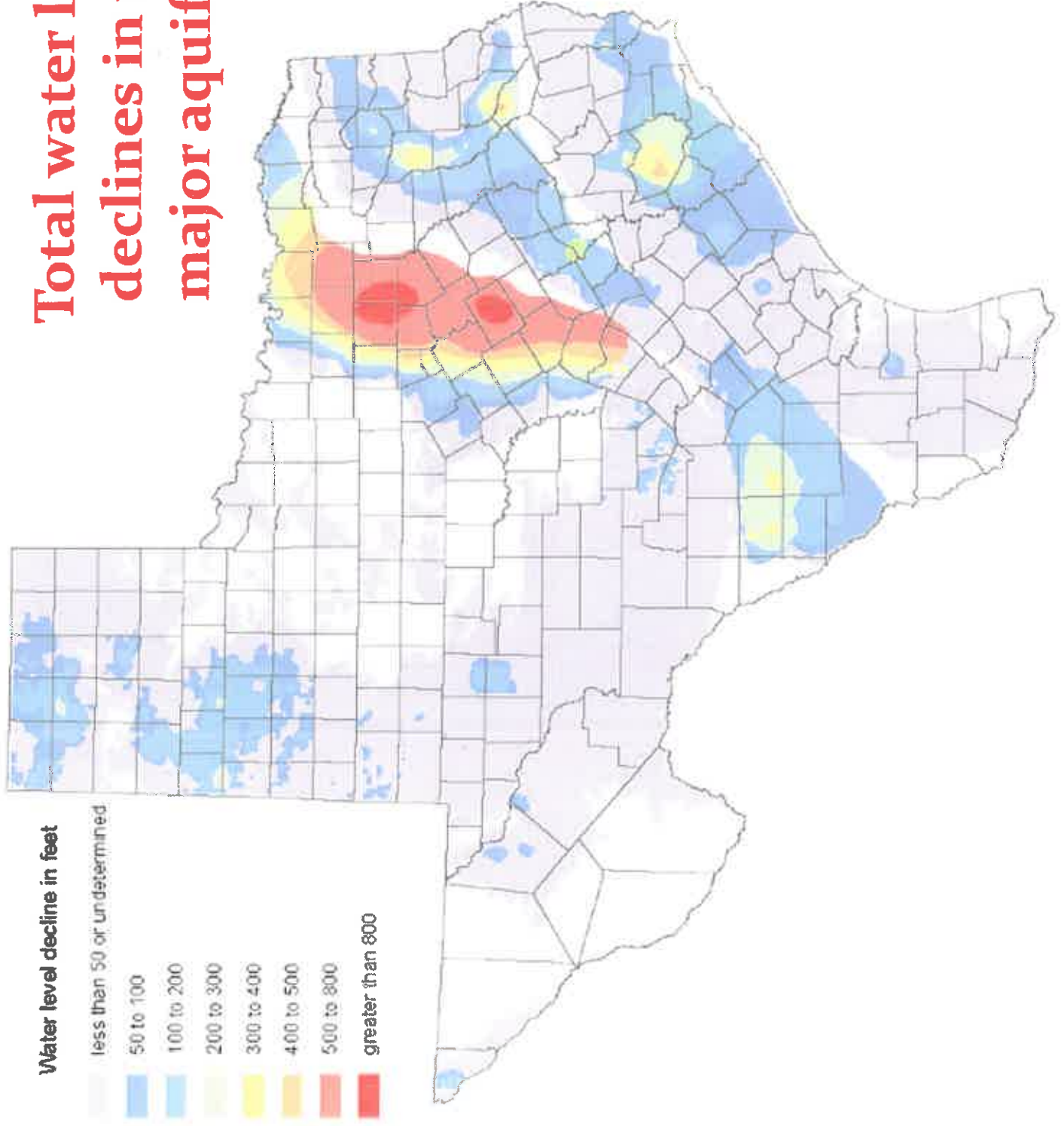
- In 1997 Senate Bill I, enacted by the Texas Legislature, confirmed that “groundwater conservation districts... are the state’s preferred method of groundwater management through rules developed, adopted and promulgated by a district...”
- In 2007 the Texas Commission on Environmental Quality issued a report advising one or more groundwater conservation districts would need to be created in the 13-county area of North Central Texas, including Collin, Cooke, Denton, Fannin and Grayson Counties

North Texas Priority Groundwater Management Study Area

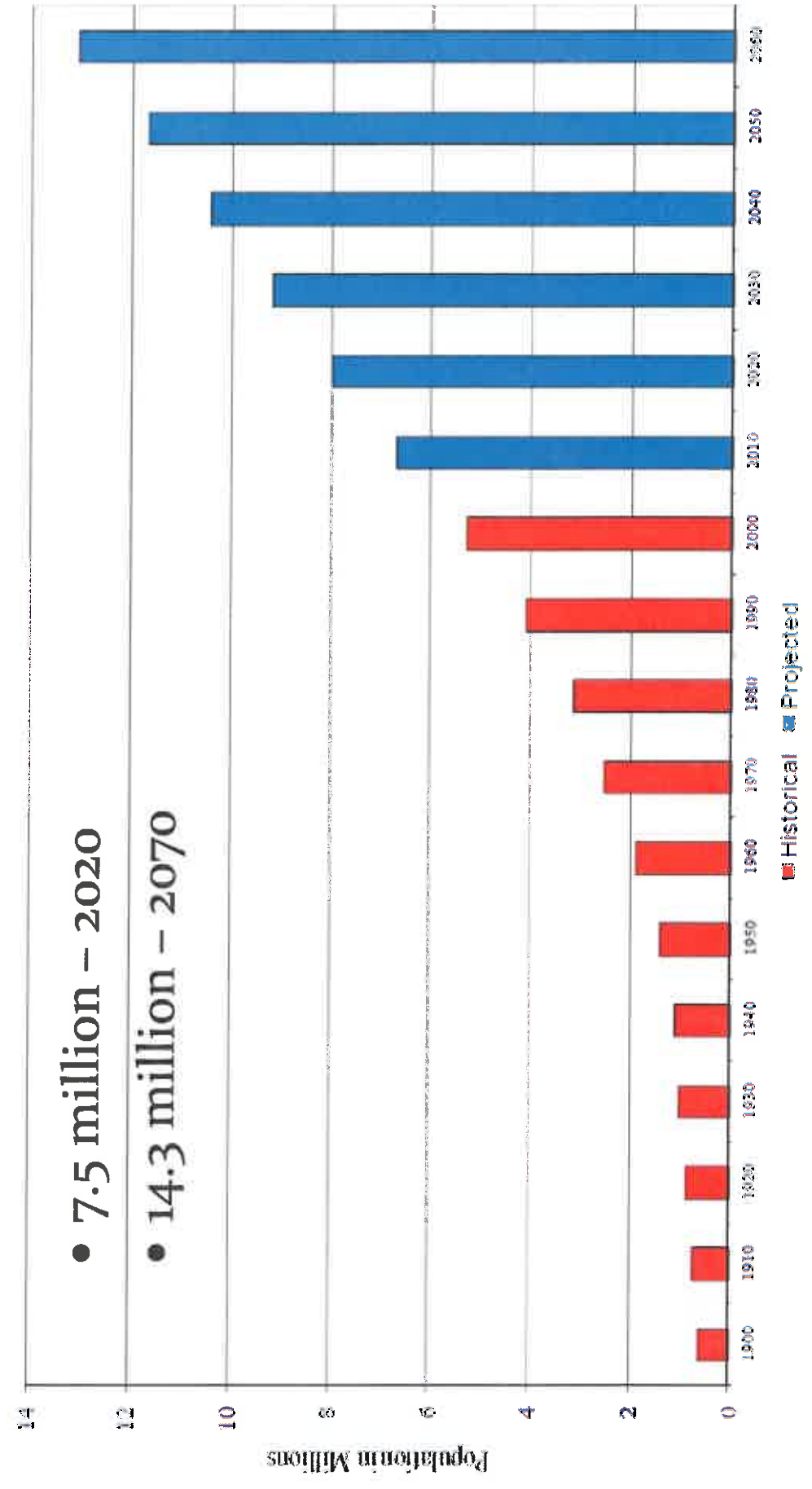


Kelly (2006; TCEQ)

Total water level declines in the major aquifers



Population Growth in Region C



RED RIVER

GROUNDWATER CONSERVATION DISTRICT

- RRGCD was created May 25, 2009 by Senate Bill 2529 for Fannin and Grayson Counties
- 7 Board of Directors
 - 3 appointed by Fannin County Commissioners
 - 4 appointed by Grayson County Producers
- The District entered into a Management Agreement with the GTUA to provide management and staffing for the District in 2011.





NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

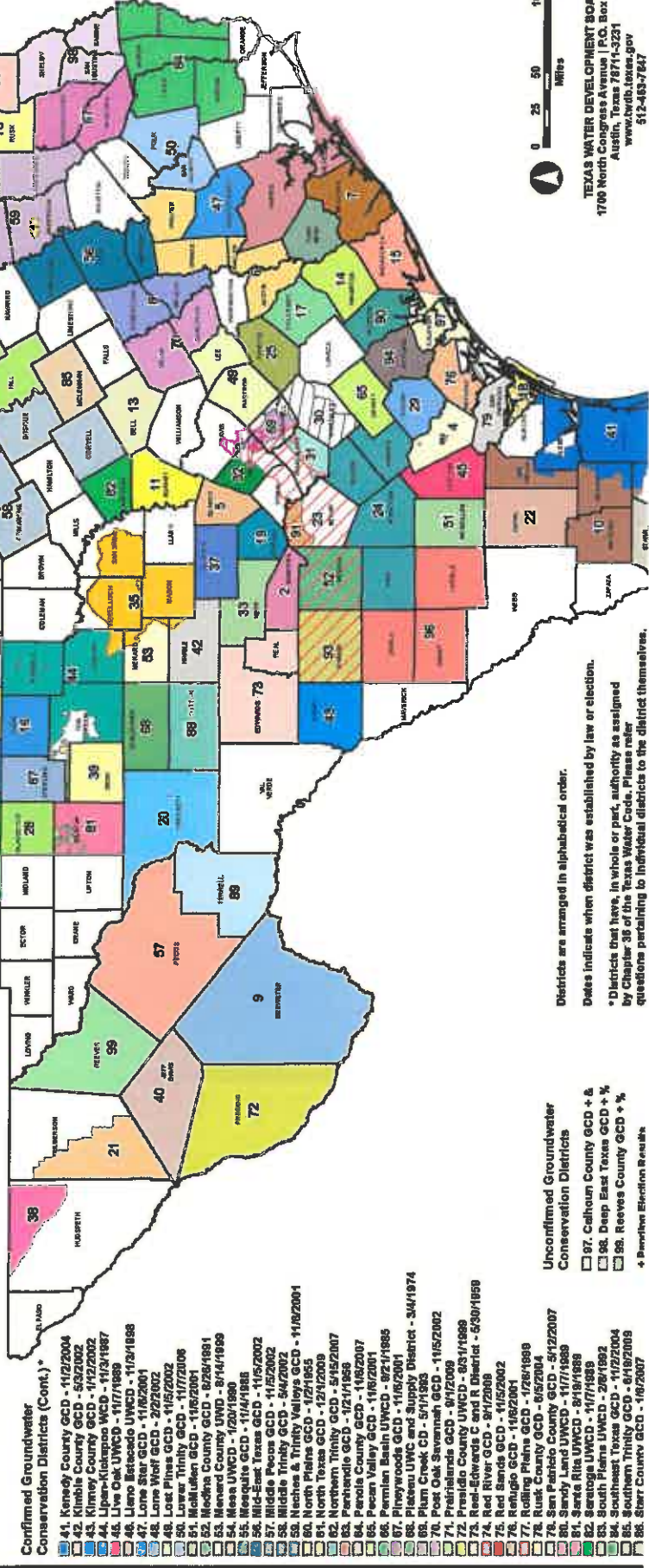
- North Texas Groundwater Conservation District was created May 27, 2009 by Senate Bill 2497 for Collin, Cooke and Denton Counties
- 9 Directors, 3 appointed by each County
- The District entered into a Management Agreement with the GTUA to provide management and staffing for the District in 2011.



Groundwater Conservation Dist of Texas

DALLAS	HARTLEY	SERAPIN	ARMSTRONG	UPSHER
64	34	60	34	34
34	34	60	34	34
34	34	60	34	34

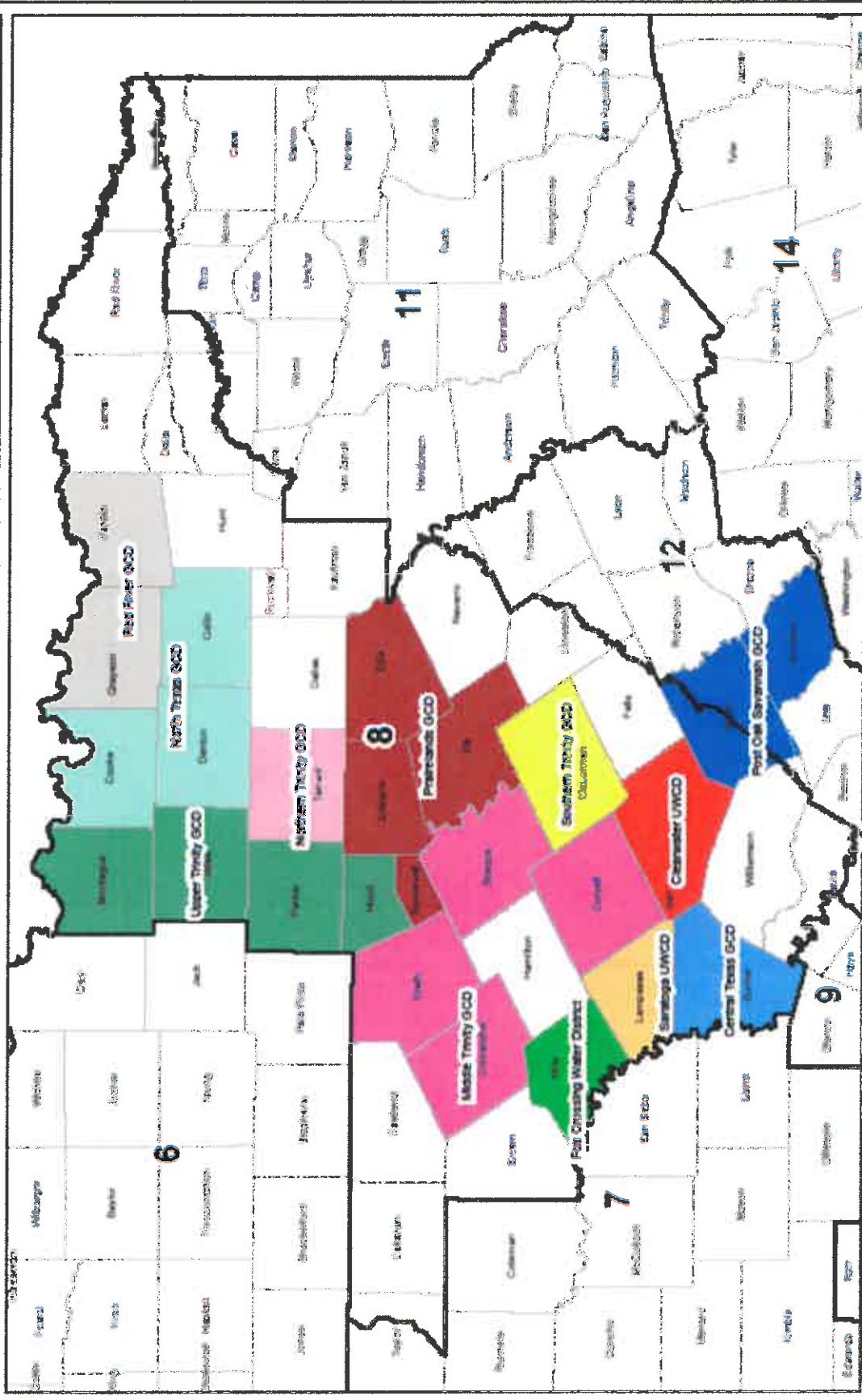
- Confirmed Groundwater Conservation Districts ***
1. Anderson County UWCD - 1/17/1987
 2. Bandera County River Authority & Ground Water District - 11/7/1983
 3. Barton Springs/Edwards Aquifer CD - 8/13/1987
 4. Bee CD - 1/20/2001
 5. Blanco-Pedernales GCD - 1/23/2001
 6. Bluebonnet GCD - 1/15/2002
 7. Brazoria County GCD - 1/18/2005
 8. Brazos Valley GCD - 1/15/2002
 9. Brown County GCD - 1/15/2002
 10. Brushy Mountain GCD - 1/15/2002
 11. Central Texas GCD - 8/24/2008
 12. Clear Fork GCD - 1/15/2002
 13. Clearwater UWCD - 8/21/1989
 14. Coastal Bend GCD - 1/16/2001
 15. Coastal Plains GCD - 1/16/2001
 16. Cottle County UWCD - 1/14/1988
 17. Colorado County GCD - 1/16/2005
 18. Corpus Christi ABRCD - 6/17/2005
 19. Cow Creek GCD - 1/15/2002
 20. Crockett County GCD - 1/28/1981
 21. Culberson County GCD - 5/21/1988
 22. Darral County GCD - 7/25/2009
 23. Edwards Aquifer Authority - 7/28/1986
 24. Edwards County UWCD - 8/30/1985
 25. Fayette County GCD - 1/18/2001
 26. Garza County UWCD - 1/18/1988
 27. Galloway GCD - 5/3/2003
 28. Gillespie GCD - 8/22/1981
 29. Goliad County GCD - 1/15/2001
 30. Gonzalez County UWCD - 11/21/1984
 31. Guadalupe County GCD - 11/4/1988
 32. Hays Trinity GCD - 5/3/2003
 33. Headquarters GCD - 1/15/1991
 34. Hempill County UWCD - 1/14/1997
 35. Hickory UWCD No. 1 - 8/14/1982
 36. High Plains UWCD No. 1 - 8/29/1981
 37. High Plains UWCD No. 2 - 8/29/1981
 38. Hudon County UWCD No. 1 - 1/16/1987
 39. Inon County WCD - 8/21/1985
 40. Jeff Davis County UWCD - 11/21/1983



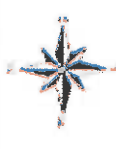
- Confirmed Groundwater Conservation Districts (Cont.) ***
41. Kenedy County GCD - 11/2/2004
 42. Kinble County GCD - 11/2/2002
 43. Kinney County GCD - 11/2/2002
 44. Live Oak County WCD - 11/3/1987
 45. Live Oak UWCD - 11/7/1989
 46. Llano Estacado UWCD - 11/18/1988
 47. Lingo Star GCD - 11/16/2001
 48. Lone Wolf GCD - 2/2/2002
 49. Lost Pines GCD - 1/15/2002
 50. Lower Trinity GCD - 11/7/2006
 51. McLallen GCD - 1/16/2001
 52. Medina County GCD - 8/26/1981
 53. Menard County UWCD - 8/14/1989
 54. Mesa UWCD - 1/20/1980
 55. Mesquite GCD - 1/14/1981
 56. Midland County GCD - 1/15/2002
 57. Middle Trinity GCD - 5/4/2002
 58. Middle Trinity GCD - 5/4/2002
 59. Neches & Trinity Valleys GCD - 1/18/2001
 60. North Plains GCD - 1/21/2009
 61. North Texas GCD - 5/15/2007
 62. Northern Trinity GCD - 1/17/1986
 63. Pecos GCD - 1/15/2007
 64. Perot County GCD - 1/16/2001
 65. Permian Basin UWCD - 8/21/1985
 66. Phyllis GCD - 1/16/2001
 67. Phyllis Woods GCD - 1/16/2001
 68. Ram Creek GCD - 8/1/1985
 69. Real GCD - 1/15/2002
 70. Real GCD - 8/1/2009
 71. Real GCD - 8/1/2009
 72. Real GCD - 8/1/2009
 73. Real-Edwards C and R District - 5/30/1989
 74. Red River GCD - 8/1/2009
 75. Red Sands GCD - 1/15/2002
 76. Refugio GCD - 1/16/2001
 77. Rolling Plains GCD - 1/28/1989
 78. Rusk County GCD - 6/5/2004
 79. San Patricio County GCD - 8/12/2007
 80. Sandoz UWCD - 8/17/1989
 81. Sandoz UWCD - 8/17/1989
 82. Sandoz UWCD - 8/17/1989
 83. Southeast Texas GCD - 1/12/2004
 84. Southern Trinity GCD - 8/18/2005
 85. Starr County GCD - 1/16/2007

- Unconfirmed Groundwater Conservation Districts**
- 97. Calhoun County GCD + &
 - 98. Deep East Texas GCD + &
 - 99. Reeves County GCD + &
- * Districts not have, in whole or part, authority as assigned by Chapter 38 of the Texas Water Code. Please refer questions pertaining to individual districts to the district themselves.
- Dates indicate when district was established by law or election.
- Districts are arranged in alphabetical order.
- ↓ Ballot Election Results

Groundwater Districts in GMA Region 8



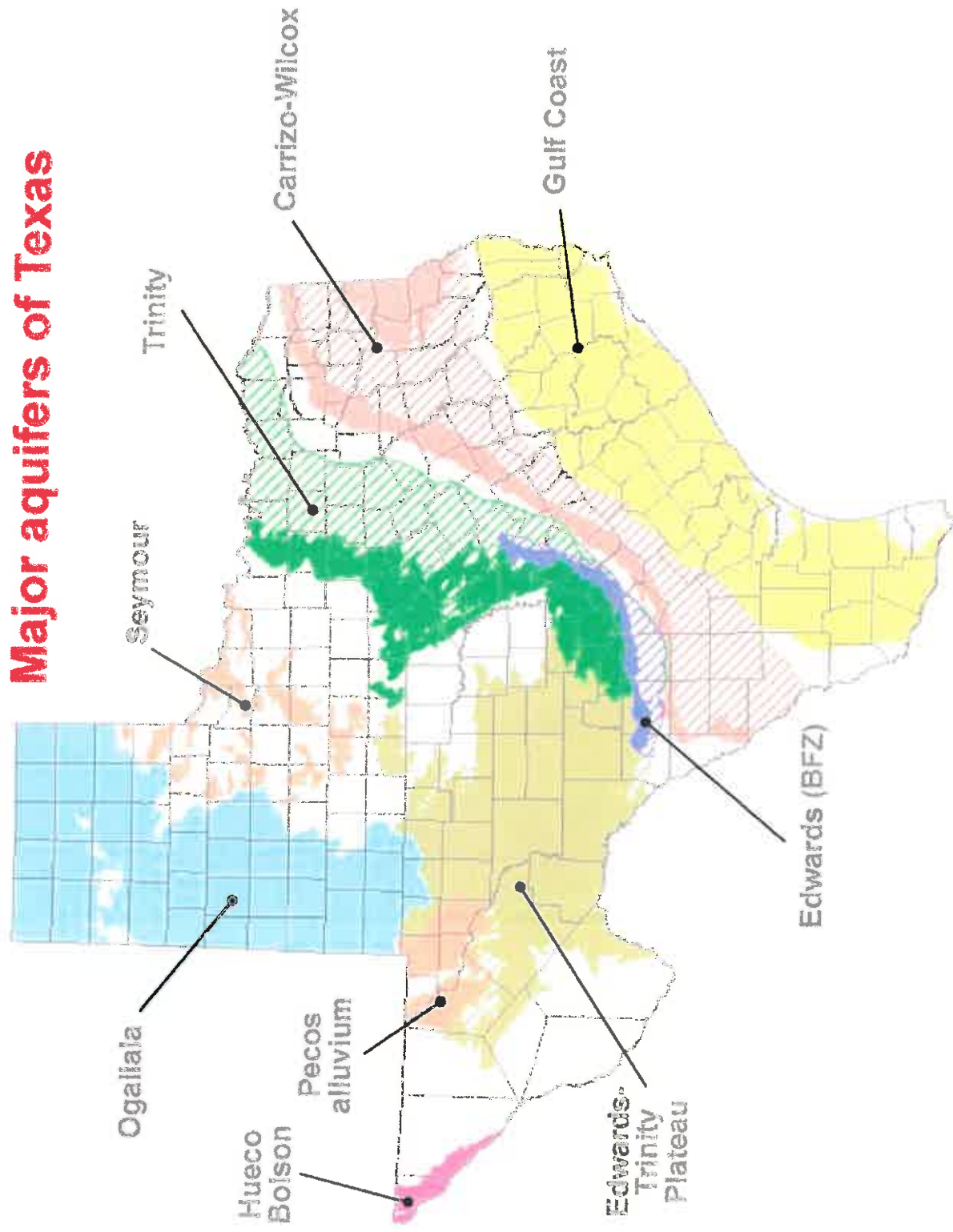
Legend
 GMA Boundaries
 Counties




 Clearwater Underground Water Conservation District
 APRIL 12, 2010

July 2008 GCD Data - WCD

Major aquifers of Texas



Presentation to Engineering Firms December 5, 2018
Hosted by Kimley-Horn Associates



NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

Presentation to Engineering Firms - December 5, 2018

Hosted by Kimley-Horn Associates

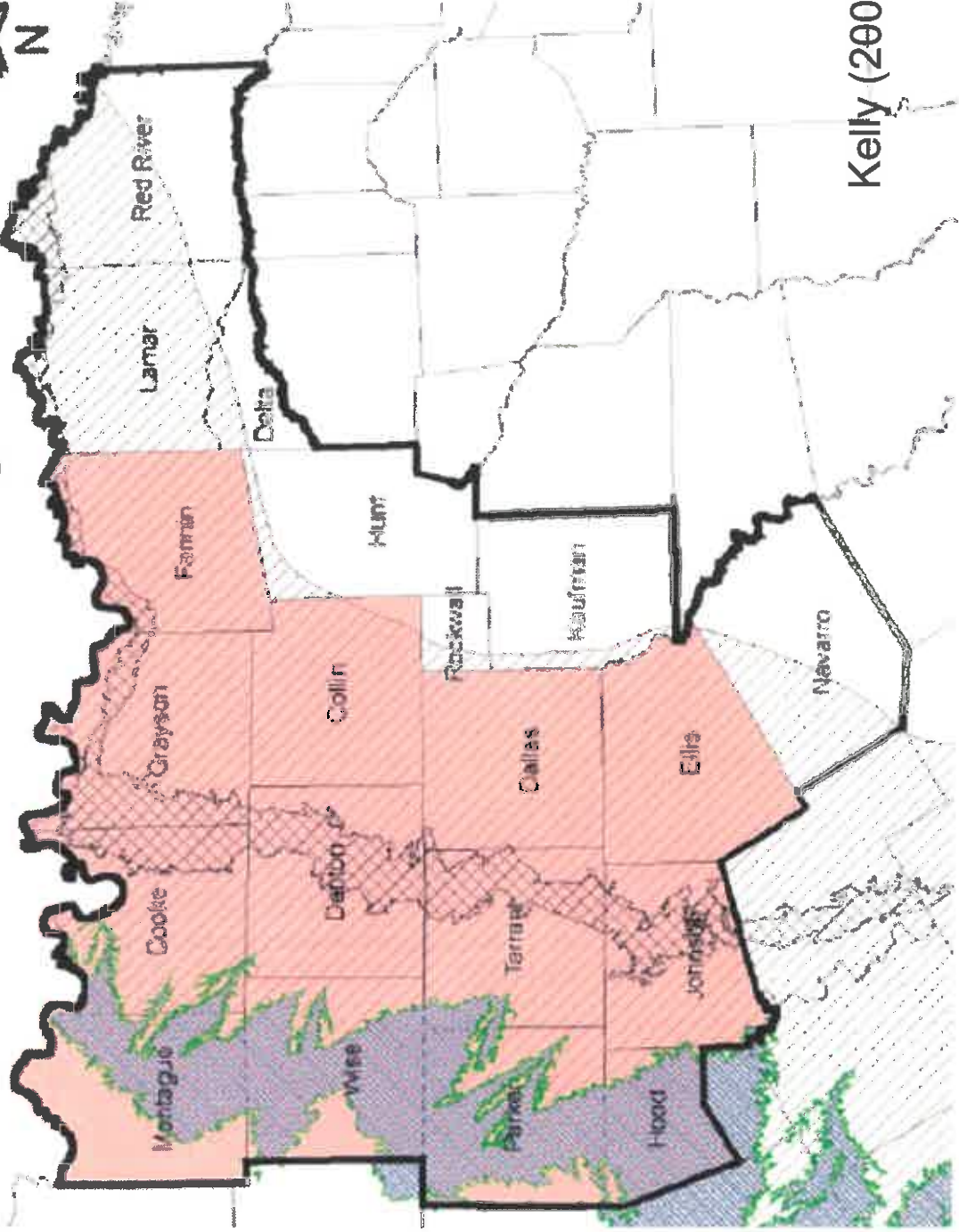


Creation of groundwater districts in North Central Texas

- In 1997 Senate Bill I, enacted by the Texas Legislature, confirmed that “groundwater conservation districts... are the state’s preferred method of groundwater management through rules developed, adopted and promulgated by a district...”
- In 2007 the Texas Commission on Environmental Quality issued a report advising one or more groundwater conservation districts would need to be created in the 13-county area of North Central Texas, including Collin, Cooke and Denton Counties

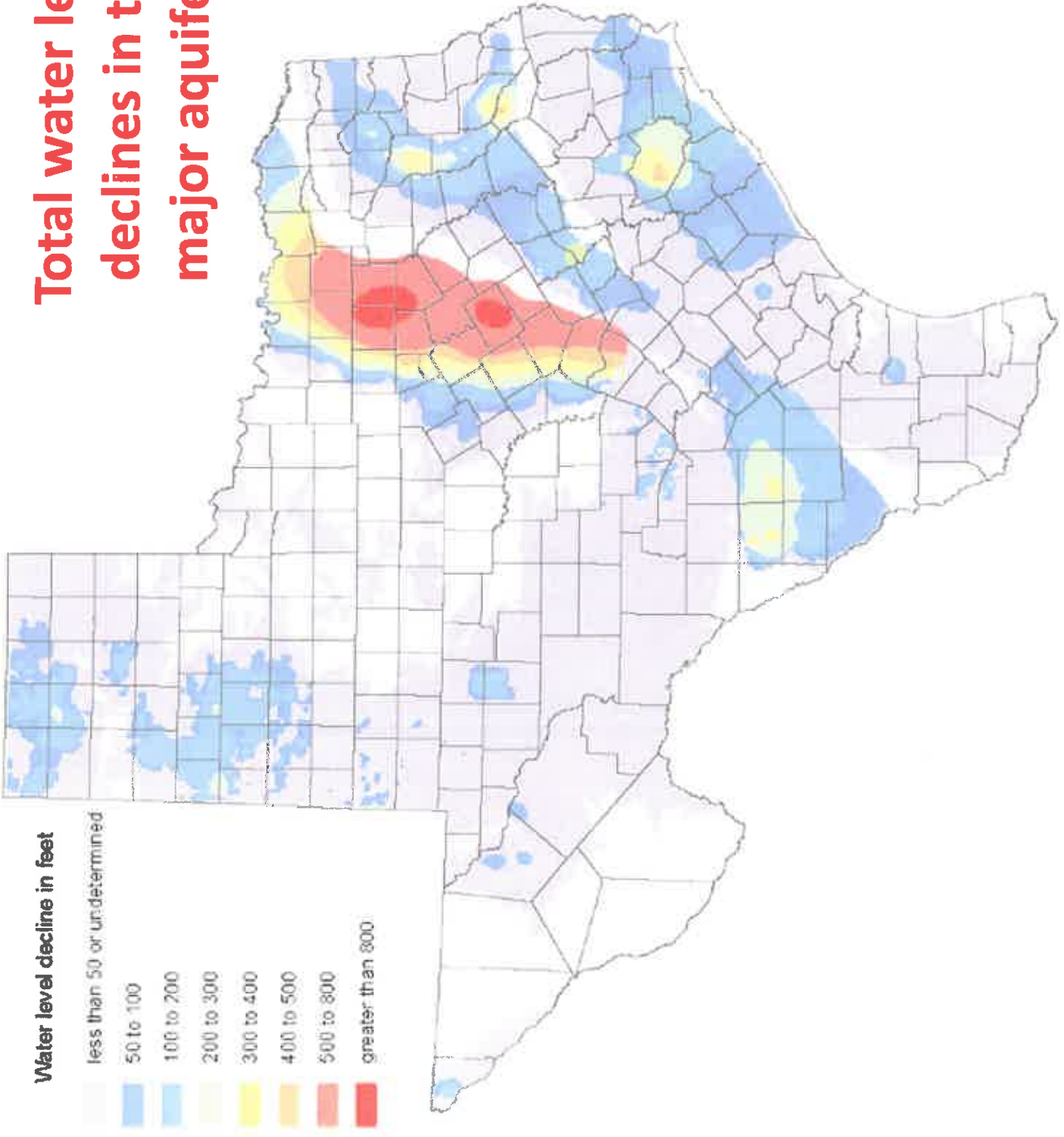


North Texas Priority Groundwater Management Study Area

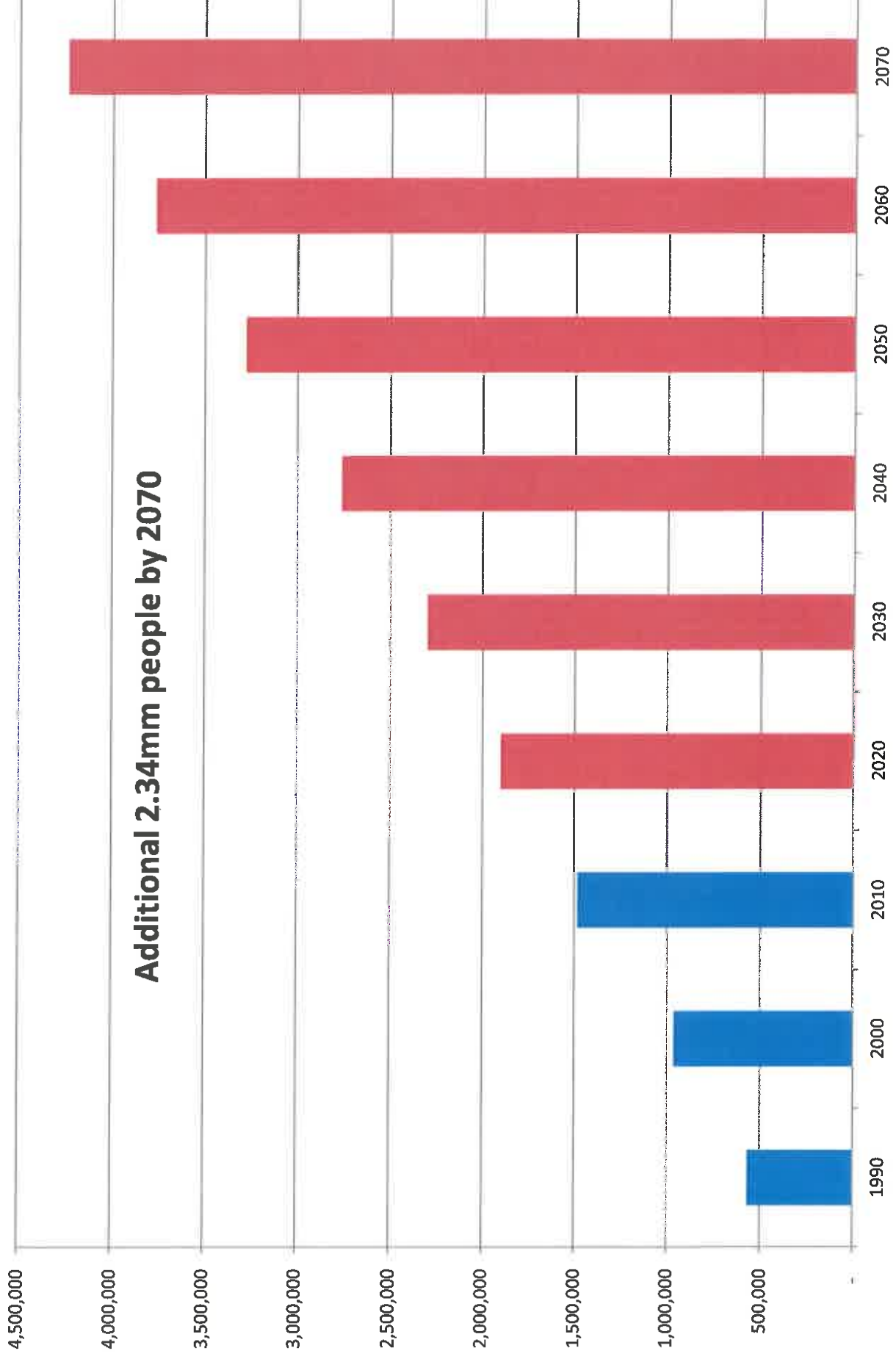


Kelly (2006; TCEQ)

Total water level declines in the major aquifers



North Texas GCD Population



About the North Texas Groundwater Conservation District

- North Texas Groundwater Conservation District was created May 27, 2009 by Senate Bill 2497 for Collin, Cooke and Denton Counties
- 3 Directors are appointed by each County
 - Largest Producers
 - Other Producers
 - At Large



Groundwater Conservation Dist of Texas

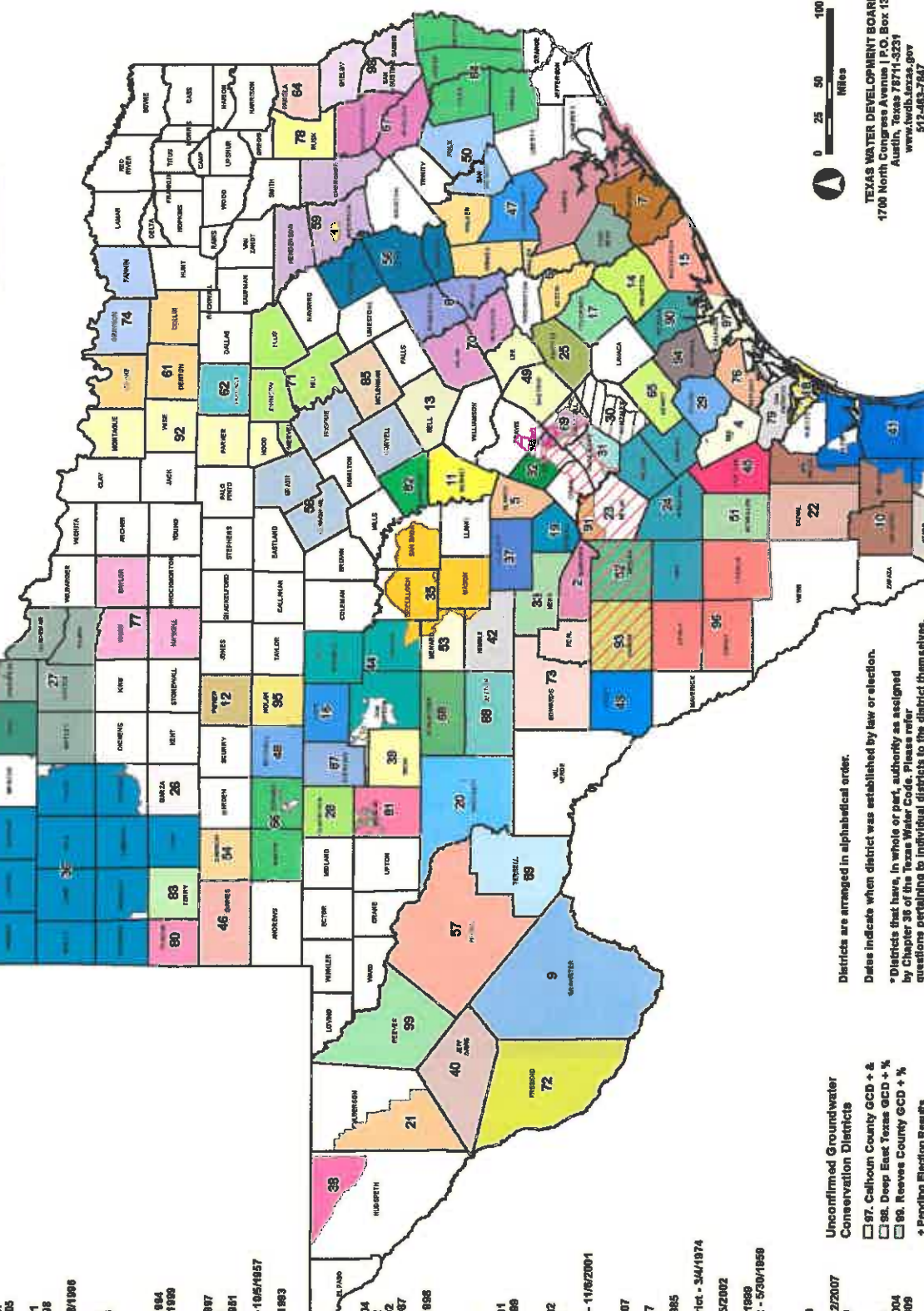
DALLAM	SISKIYOU	WARRANT	WHEELING	UPDEGRASS
DAWSON	MOORE	WARRANT	WHEELING	UPDEGRASS
COLLIER	WHEELING	WARRANT	WHEELING	UPDEGRASS
COLLIER	WHEELING	WARRANT	WHEELING	UPDEGRASS
COLLIER	WHEELING	WARRANT	WHEELING	UPDEGRASS

- Confirmed Groundwater Conservation Districts ***
1. Anderson County UWCD - 10/7/1987
 2. Bandera County River Authority & Ground Water District - 11/7/1989
 3. Barton Springs/Edwards Aquifer CD - 8/13/1987
 4. Bee CD - 1/28/2001
 5. Blanco-Pedernales GCD - 1/23/2001
 6. Blanton CD - 1/25/2002
 7. Brazos Valley GCD - 11/27/1985
 8. Brown County GCD - 11/27/1985
 9. Brown County GCD - 11/27/1985
 10. Brush County GCD - 11/27/1985
 11. Central Texas GCD - 9/24/2005
 12. Clear Fork GCD - 11/5/2002
 13. Clearwater UWCD - 8/21/1994
 14. Coastal Bend GCD - 11/6/2001
 15. Coastal Plains GCD - 11/6/2001
 16. Coke County UWCD - 11/4/1985
 17. Colorado County GCD - 11/6/2005
 18. Corpus Christi ARCD - 8/17/2005
 19. Cow Creek GCD - 11/26/2002
 20. Cottle County GCD - 11/27/1985
 21. Cottle County GCD - 11/27/1985
 22. Dural County GCD - 7/25/2009
 23. Edwards Aquifer Authority - 7/28/1998
 24. Evergreen UWCD - 8/20/1985
 25. Fayette County GCD - 11/6/2001
 26. Garza County UWCD - 11/5/1986
 27. Garza County UWCD - 5/3/2003
 28. Glasscock GCD - 8/22/1981
 29. Goliad County GCD - 11/27/1985
 30. Gonzales County UWCD - 11/27/1984
 31. Guadalupe County GCD - 11/7/1989
 32. Hays Trinity GCD - 5/26/2003
 33. Healdsburg GCD - 11/27/1985
 34. Hill Country UWCD - 11/4/1987
 35. High Plains UWCD No. 1 - 9/28/1981
 36. High Plains UWCD No. 2 - 9/28/1981
 37. Hill Country UWCD - 8/27/1987
 38. Hudspeth County UWCD No. 1 - 10/6/1987
 39. Irion County UWCD - 8/27/1985
 40. Jeff Davis County UWCD - 11/27/1983

- Confirmed Groundwater Conservation Districts (Cont.) ***
41. Kinney County GCD - 11/27/2004
 42. Kinney County GCD - 5/3/2002
 43. Kinney County GCD - 5/3/2002
 44. Lipan-Kistapoo WCD - 11/23/1987
 45. Live Oak UWCD - 11/7/1989
 46. Llano Estacado UWCD - 11/24/1986
 47. Llano Star GCD - 11/6/2001
 48. Llano Wolf GCD - 2/27/2002
 49. Lower Trinity GCD - 11/27/2006
 50. Lower Trinity GCD - 11/27/2006
 51. McLennan GCD - 11/6/2001
 52. Medina County GCD - 8/26/1981
 53. Menard County UWCD - 8/14/1988
 54. Menard County UWCD - 8/14/1988
 55. Menard County UWCD - 8/14/1988
 56. Menard County UWCD - 8/14/1988
 57. Middle Texas GCD - 11/6/2002
 58. Middle Trinity GCD - 5/4/2002
 59. Neches & Trinity Valleys GCD - 11/6/2001
 60. North Plains GCD - 12/1/1985
 61. North Texas GCD - 12/1/1985
 62. Northern Trinity GCD - 5/15/2007
 63. Permian Basin GCD - 12/1/1985
 64. Permian Basin GCD - 12/1/1985
 65. Permian Basin GCD - 12/1/1985
 66. Permian Basin GCD - 12/1/1985
 67. Permian Basin GCD - 12/1/1985
 68. Permian Basin GCD - 12/1/1985
 69. Permian Basin GCD - 12/1/1985
 70. Permian Basin GCD - 12/1/1985
 71. Permian Basin GCD - 12/1/1985
 72. Permian Basin GCD - 12/1/1985
 73. Permian Basin GCD - 12/1/1985
 74. Permian Basin GCD - 12/1/1985
 75. Permian Basin GCD - 12/1/1985
 76. Permian Basin GCD - 12/1/1985
 77. Permian Basin GCD - 12/1/1985
 78. Permian Basin GCD - 12/1/1985
 79. Permian Basin GCD - 12/1/1985
 80. Permian Basin GCD - 12/1/1985
 81. Permian Basin GCD - 12/1/1985
 82. Permian Basin GCD - 12/1/1985
 83. Permian Basin GCD - 12/1/1985
 84. Permian Basin GCD - 12/1/1985
 85. Permian Basin GCD - 12/1/1985
 86. Permian Basin GCD - 12/1/1985
 87. Permian Basin GCD - 12/1/1985
 88. Permian Basin GCD - 12/1/1985
 89. Permian Basin GCD - 12/1/1985
 90. Permian Basin GCD - 12/1/1985
 91. Permian Basin GCD - 12/1/1985
 92. Permian Basin GCD - 12/1/1985
 93. Permian Basin GCD - 12/1/1985
 94. Permian Basin GCD - 12/1/1985
 95. Permian Basin GCD - 12/1/1985
 96. Permian Basin GCD - 12/1/1985
 97. Permian Basin GCD - 12/1/1985
 98. Permian Basin GCD - 12/1/1985
 99. Permian Basin GCD - 12/1/1985
 100. Permian Basin GCD - 12/1/1985

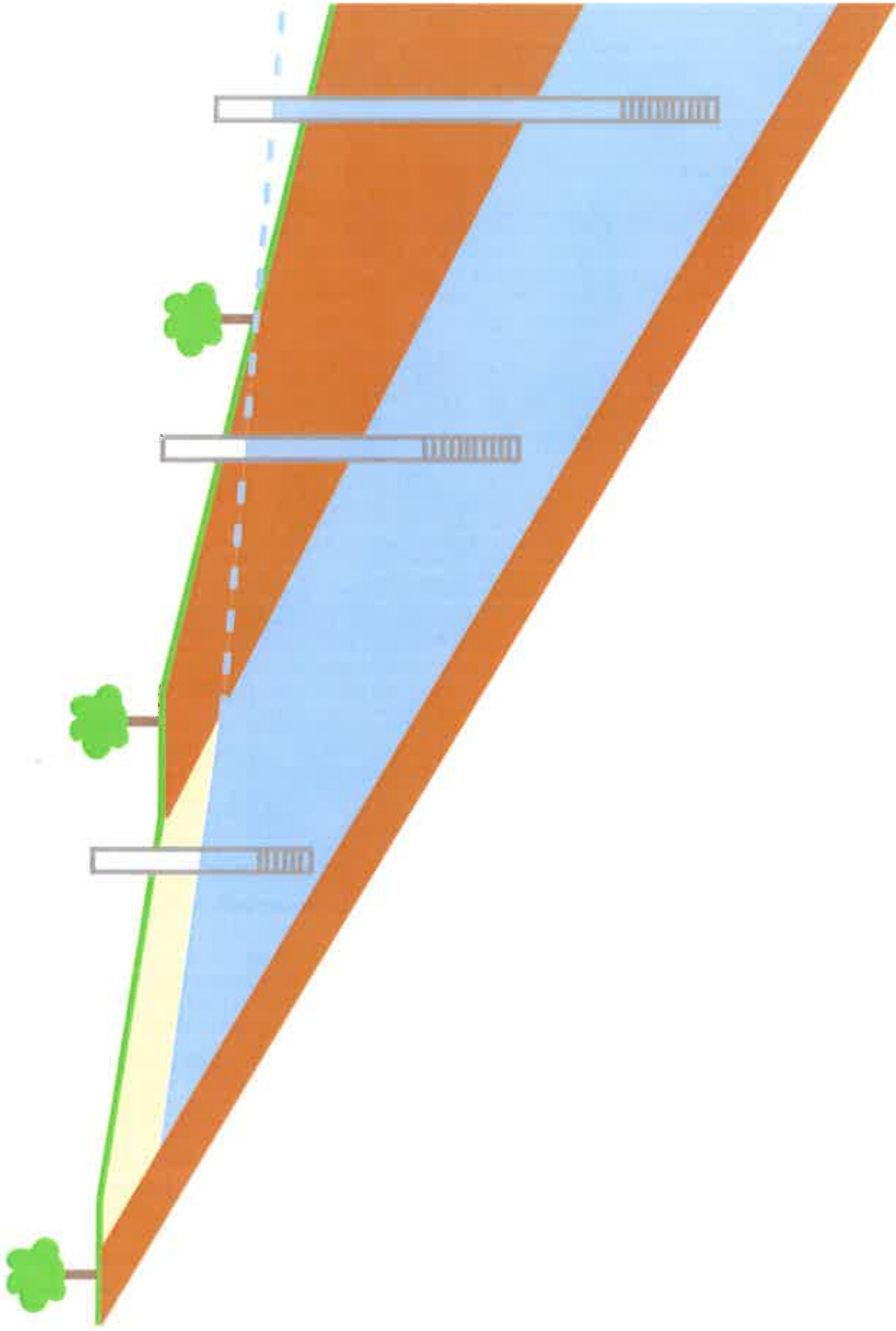
Districts are arranged in alphabetical order.
 Dates indicate when district was established by law or election.
 * Districts that have, in whole or part, authority as assigned by Chapter 35 of the Texas Water Code. Please refer questions pertaining to individual districts to the district themselves.

Unconfirmed Groundwater Conservation Districts
 [] 97. Callahan County GCD + &
 [] 98. Deep East Texas GCD + &
 [] 99. Reeves County GCD + &
 [] 100. Starr County GCD + &
 + Pending Election Dates

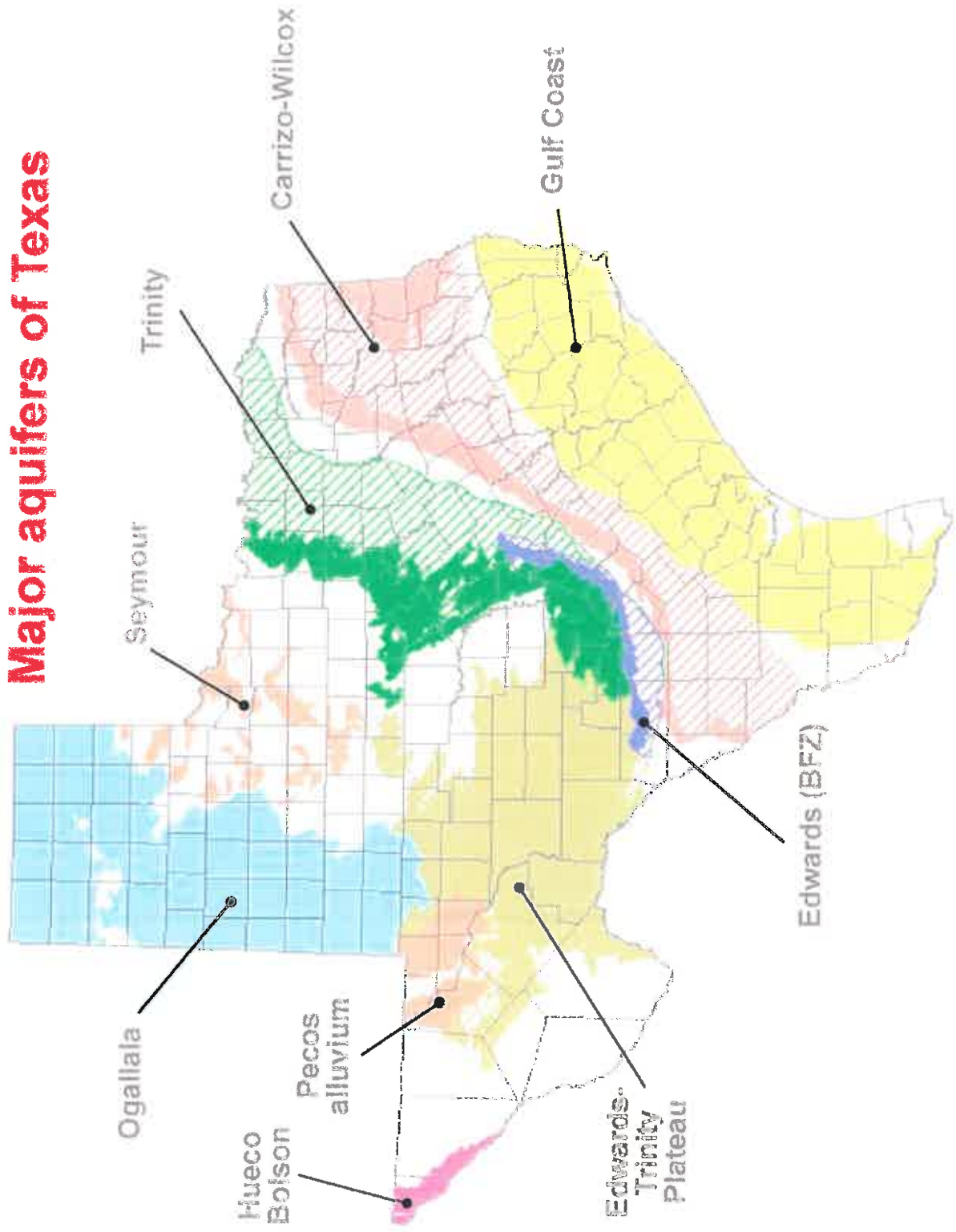


TEXAS WATER DEVELOPMENT BOARD
 1700 North Congress Avenue | P.O. Box 13231
 Austin, Texas 78711-5231
 www.twdb.texas.gov
 512-463-7847

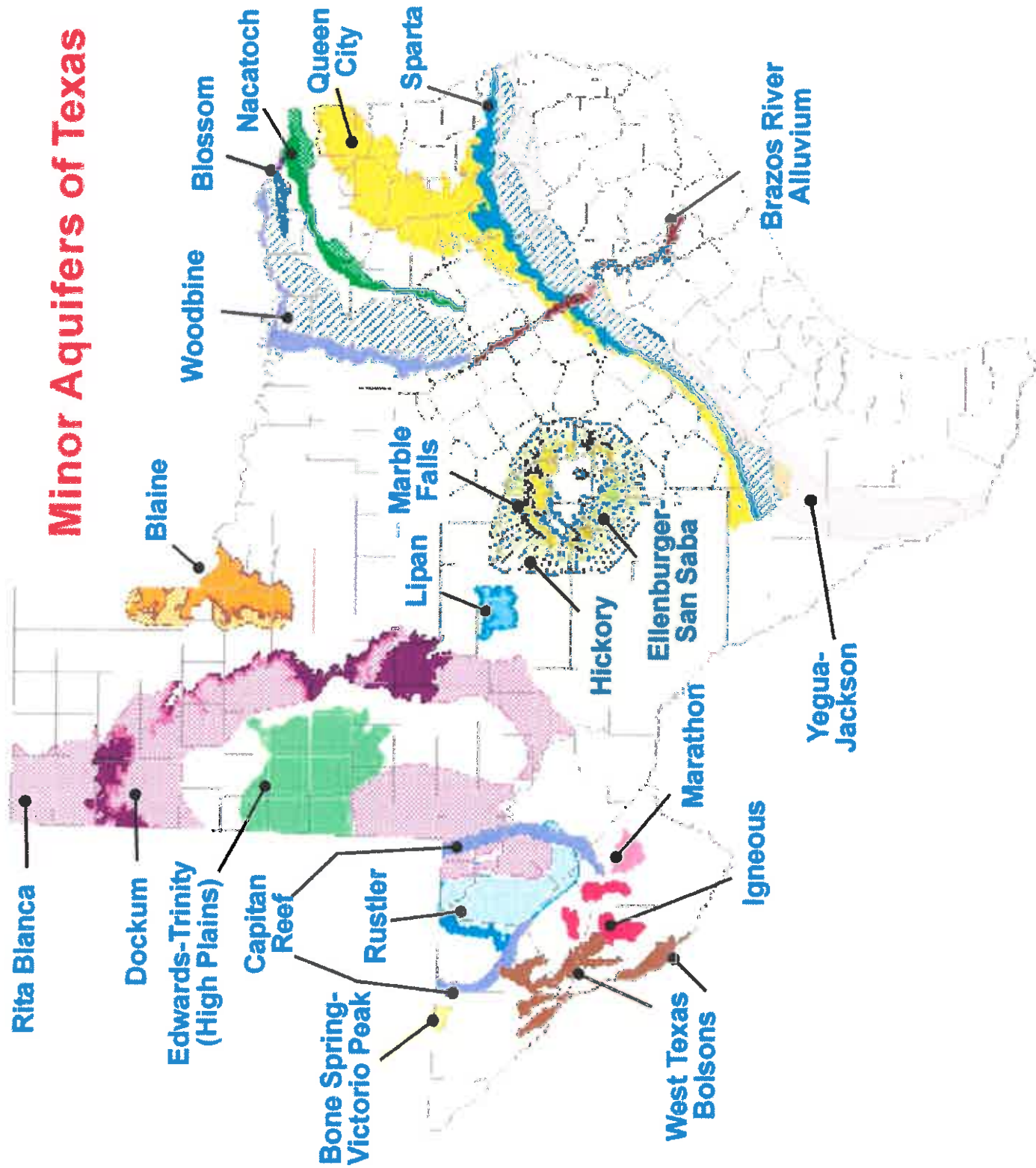
Aquifer Illustration



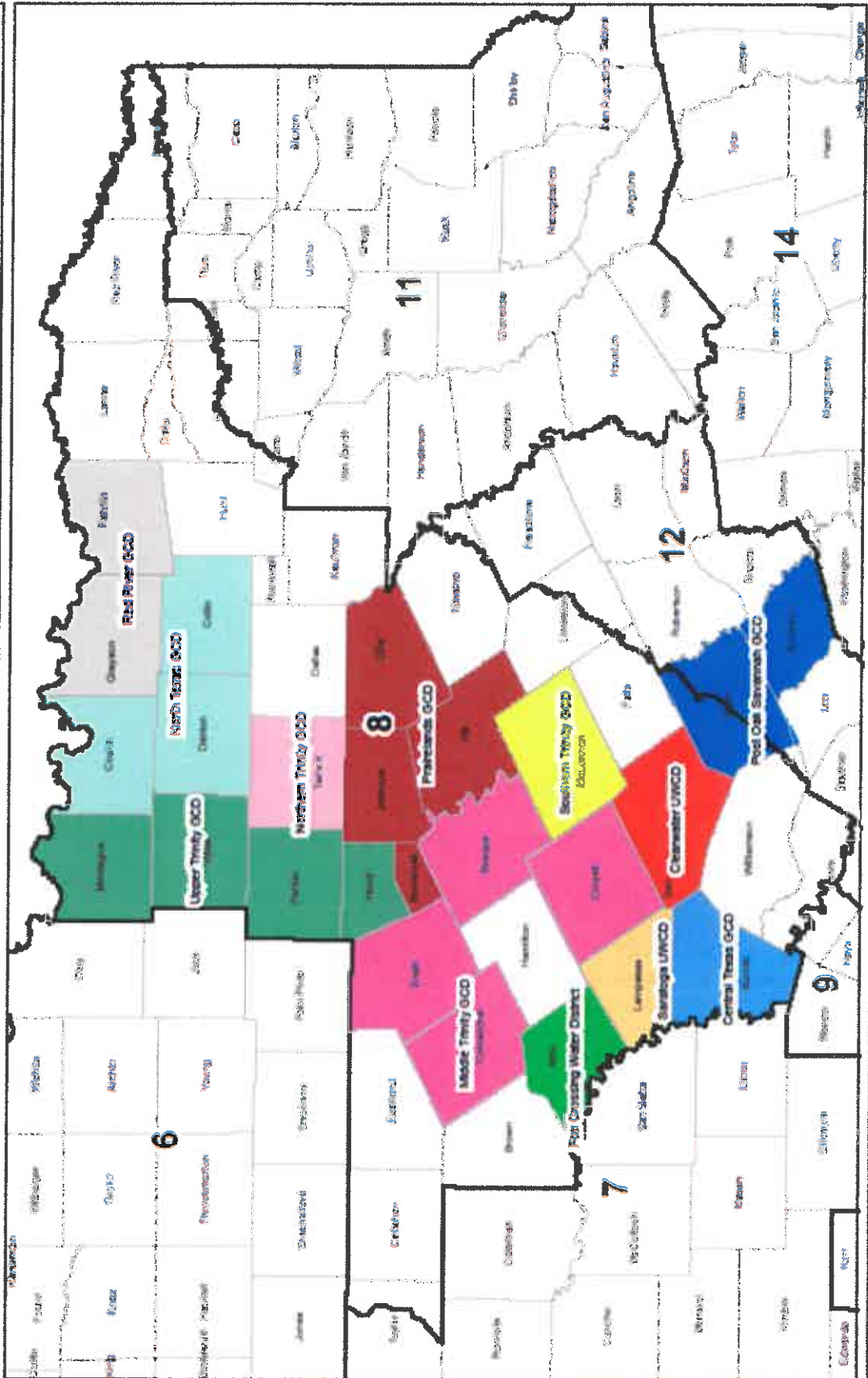
Major aquifers of Texas



Minor Aquifers of Texas



Groundwater Districts in GMA Region 8



Clearwater Underground Water Conservation District
April 12, 2010

0 20 40 60 80 Miles

graphical

July 2010 GCD Map - TWCOS

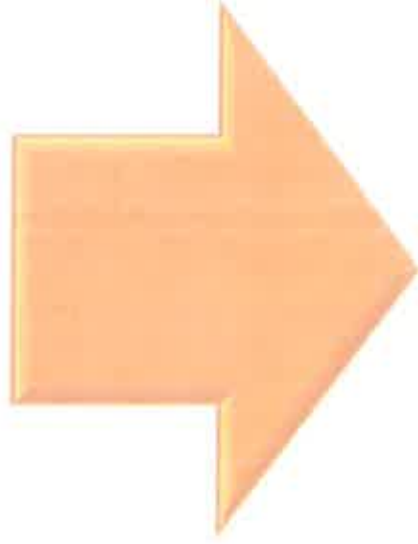
Legend

- GMA Boundaries
- Counties

Desired Future Conditions (DFC)



Highest Practicable Level of
Groundwater Production



Conservation, Preservation,
Protection, Recharging, and
Prevention of Waste of
Groundwater, and Control of
Subsidence

DFC Considerations

Aquifer Uses or
Conditions

Supply Needs and
Management
Strategies

Hydrological
Conditions

Environmental
Impacts

Subsidence
Impacts

Socioeconomic
Impacts

Private Property
Rights

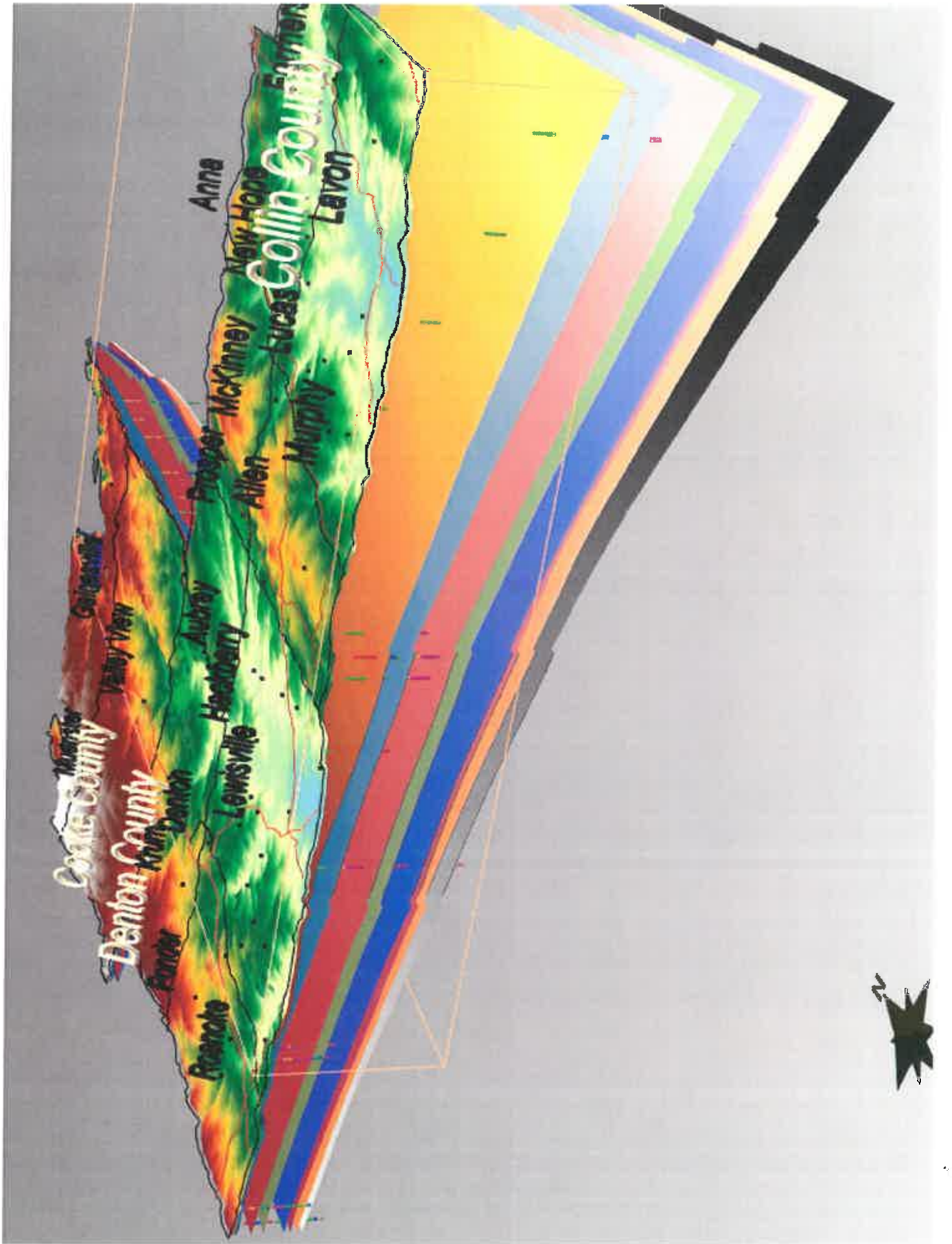
DFC Feasibility

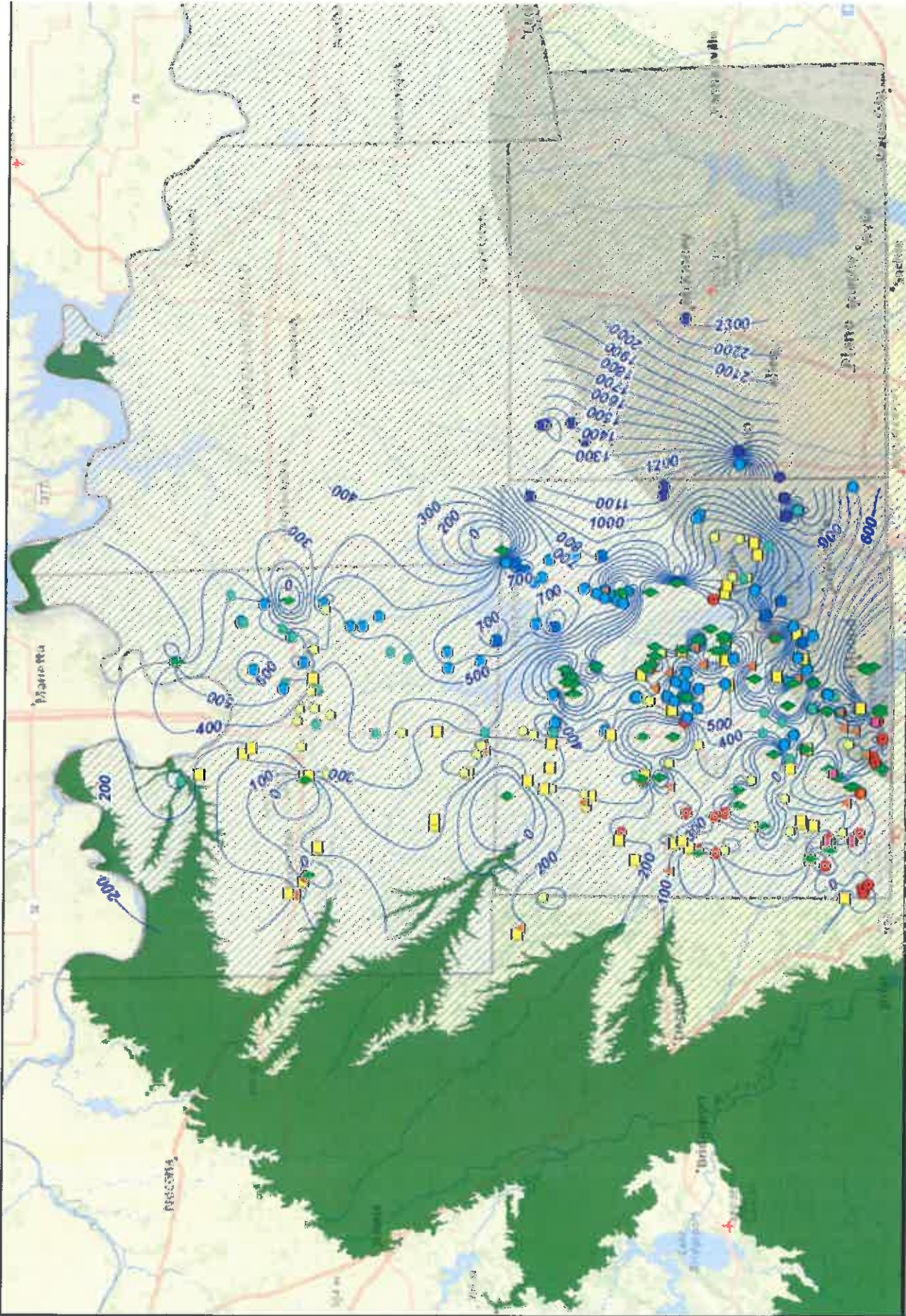
Other Relevant
Information

What is a GAM?

- A Groundwater Availability Model (GAM) is a geophysical study of the aquifer to determine the amount of water contained within the aquifer







- Available Drawdown (ft)
- Dry Well
- Below Pinch Point

- Sarat Region 1
- Sarat Region 2

- Available Drawdown (ft)
- 1 - 100
- 101 - 200
- 201 - 300
- 301 - 400
- 401 - 500
- 501 - 750
- 751 - 1,000
- 1,000 +



Drawdowns are based on the average between water and the water table at the pump setting. For 1000 GPM or less, the well is assumed to be a fully penetrating well. For 1000 GPM or more, the well is assumed to be a partially penetrating well.

Average Drawdown per Aquifer

Aquifer	Collin	Cooke	Denton	NTGCD	GMA 8
Woodbine	459	2	22	278	146
Paluxy	705	Not Defined	552	671	144
Glen Rose	339	Not Defined	349	341	116
Twin Mountains	526	Not Defined	716	569	313
Antlers	570	176	395	290	177

-Values in Feet

-Artesian Pressure remains on average

Water Availability Groundwater

Aquifer	Collin	Cooke	Denton
Woodbine	4,263	802	3,616
Paluxy	1,551	Not Defined	4,832
Glen Rose	83	Not Defined	339
Twin Mountains	2,207	Not Defined	8,389
Antlers	1,966	10,544	16,591
Total	10,070	11,346	33,767

Values in Acre-Feet per Year

What is the District doing now?



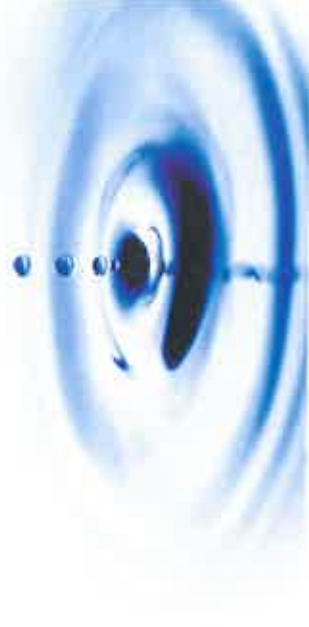
Temporary Rules

- After public hearings, the District adopted
 - Management Plan
 - Temporary Rules
- In Temporary Rules, exempt wells were defined as
 - Used solely for Domestic, Livestock or Poultry
 - Or wells with production capacity <25 gpm



Permanent Rules

- Currently being discussed by the District
- Permanent Rules will include spacing requirements for new wells and production permits
- District is working to have the Permanent Rules in place by 2018

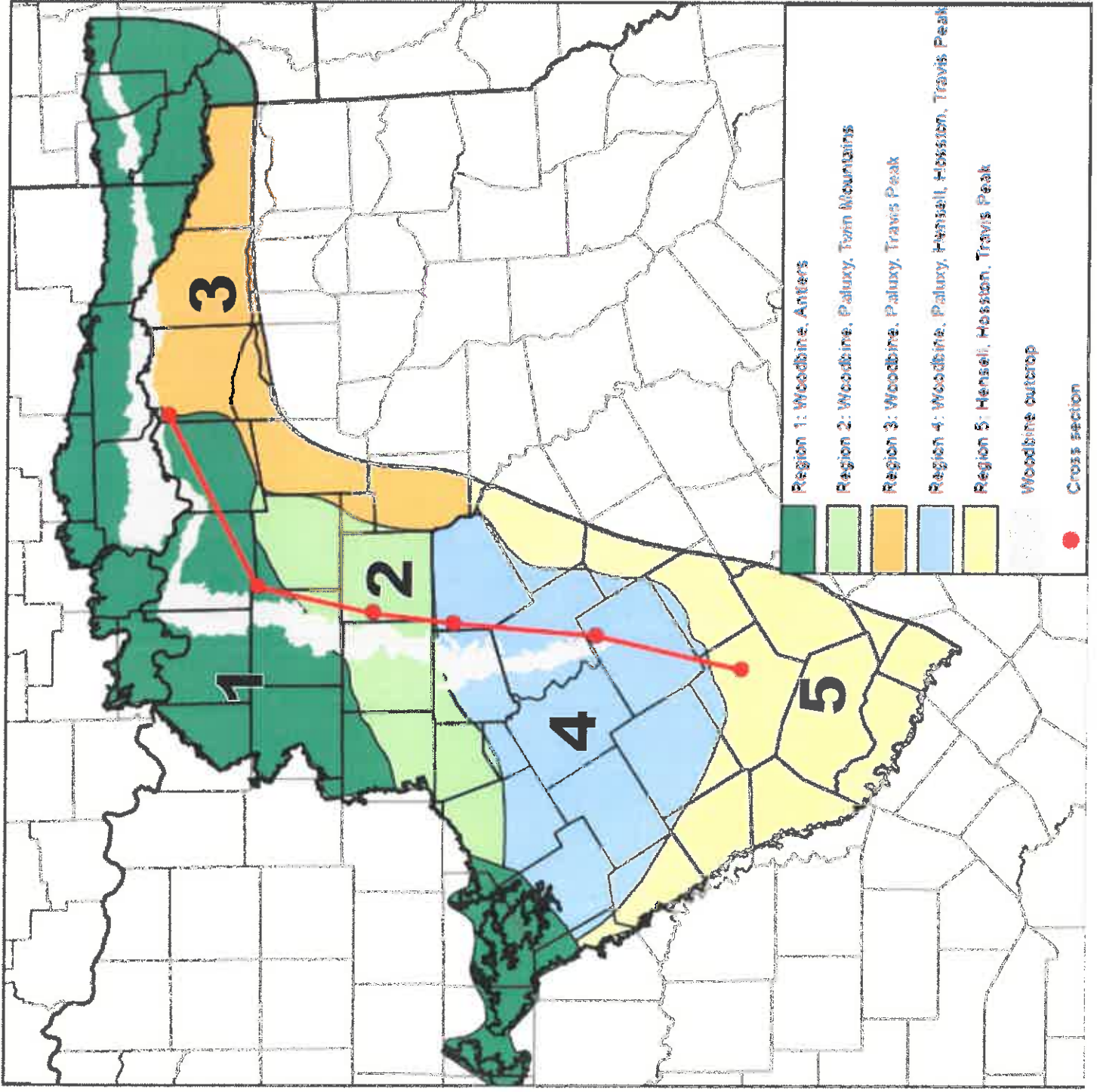


Aquifer Designations for Management

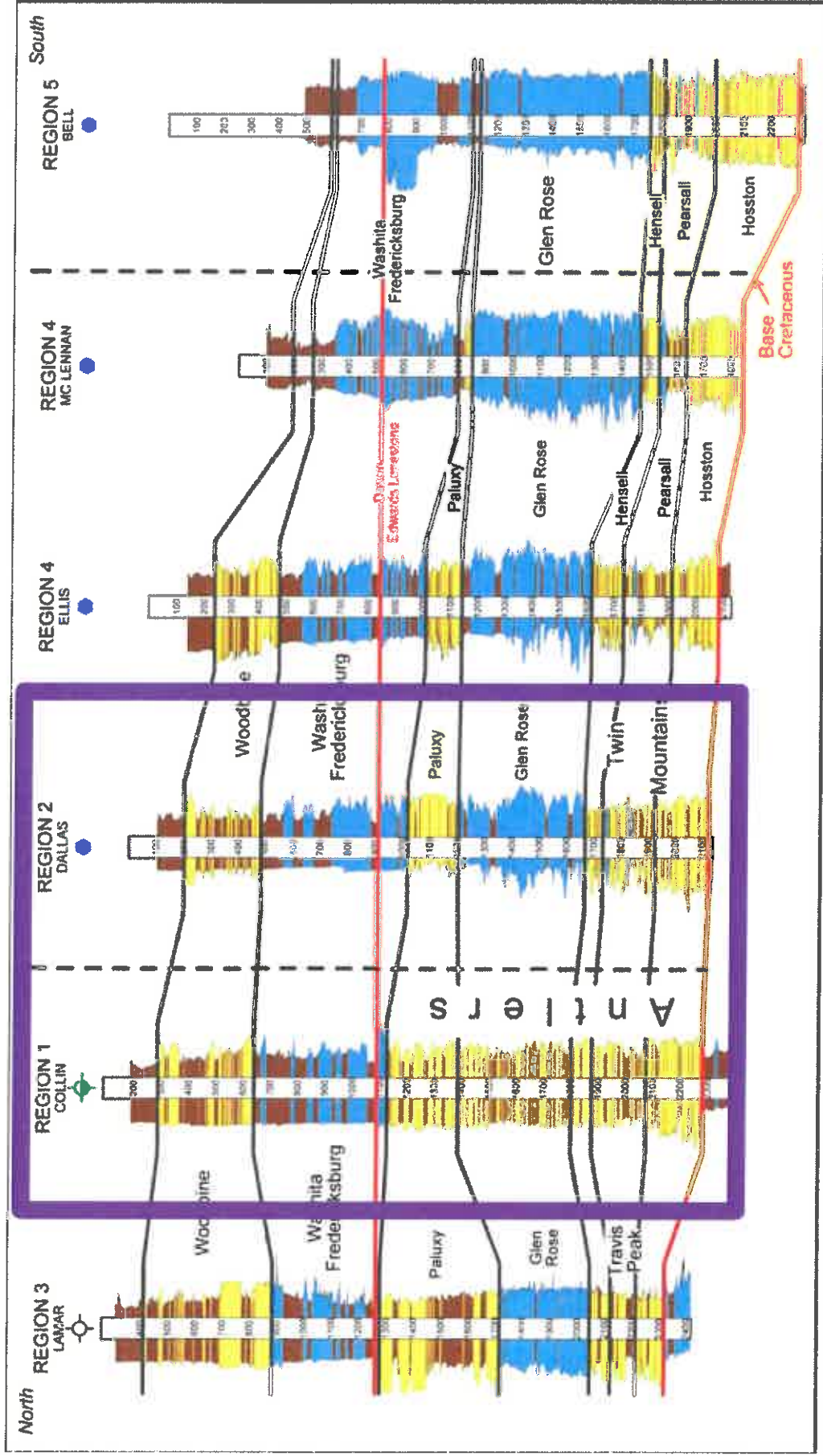


Hydrogeologic Regions in Northern Trinity Aquifer

Hydrogeologic regions are generalized areas defined by stratigraphic and lithologic similarities and aquifer names common to each region.

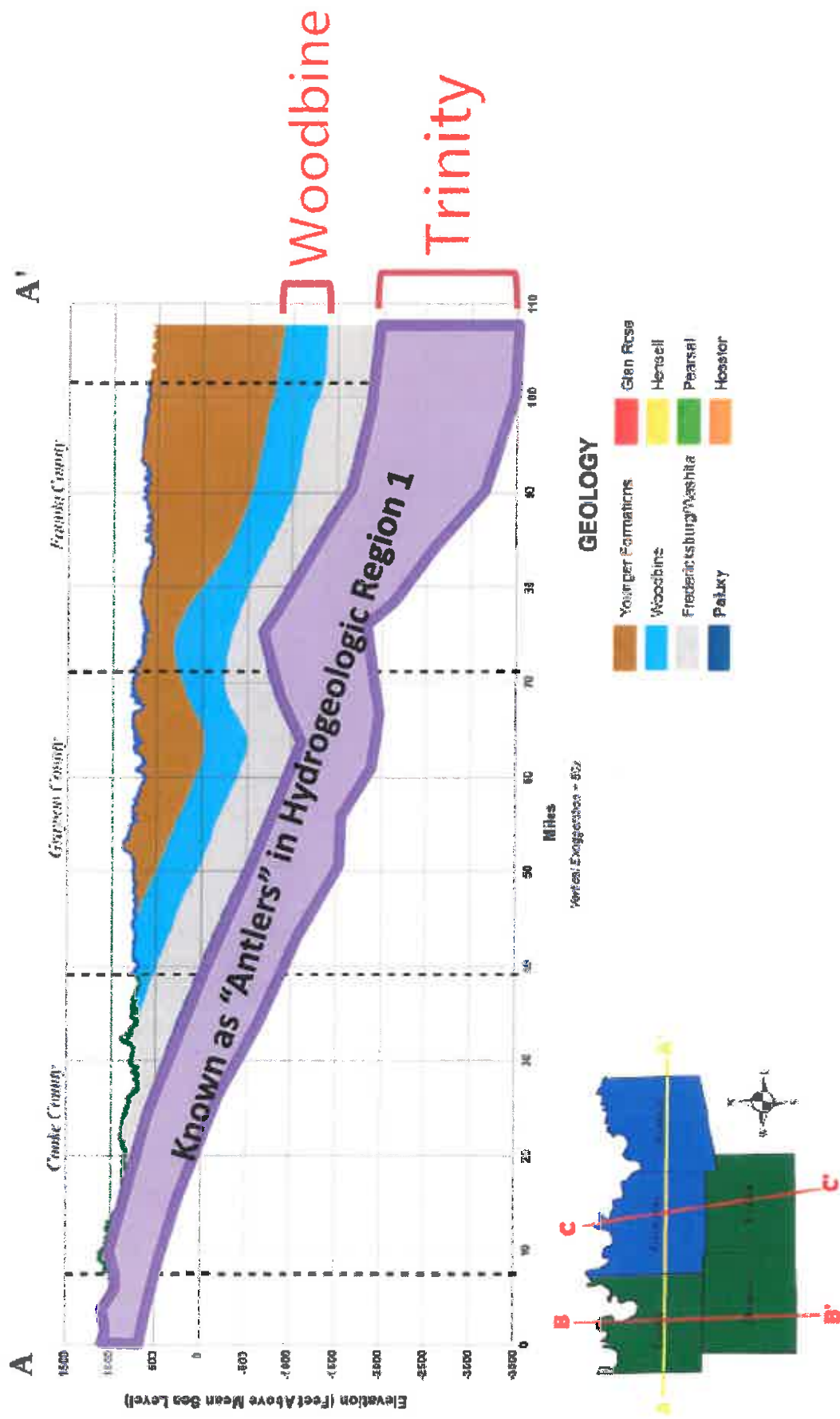


Northern Trinity Aquifer



yellow = greater than 50 percent sandstone
 blue = greater than 50 percent limestone
 brown = greater than 50 percent shale (very impervious)

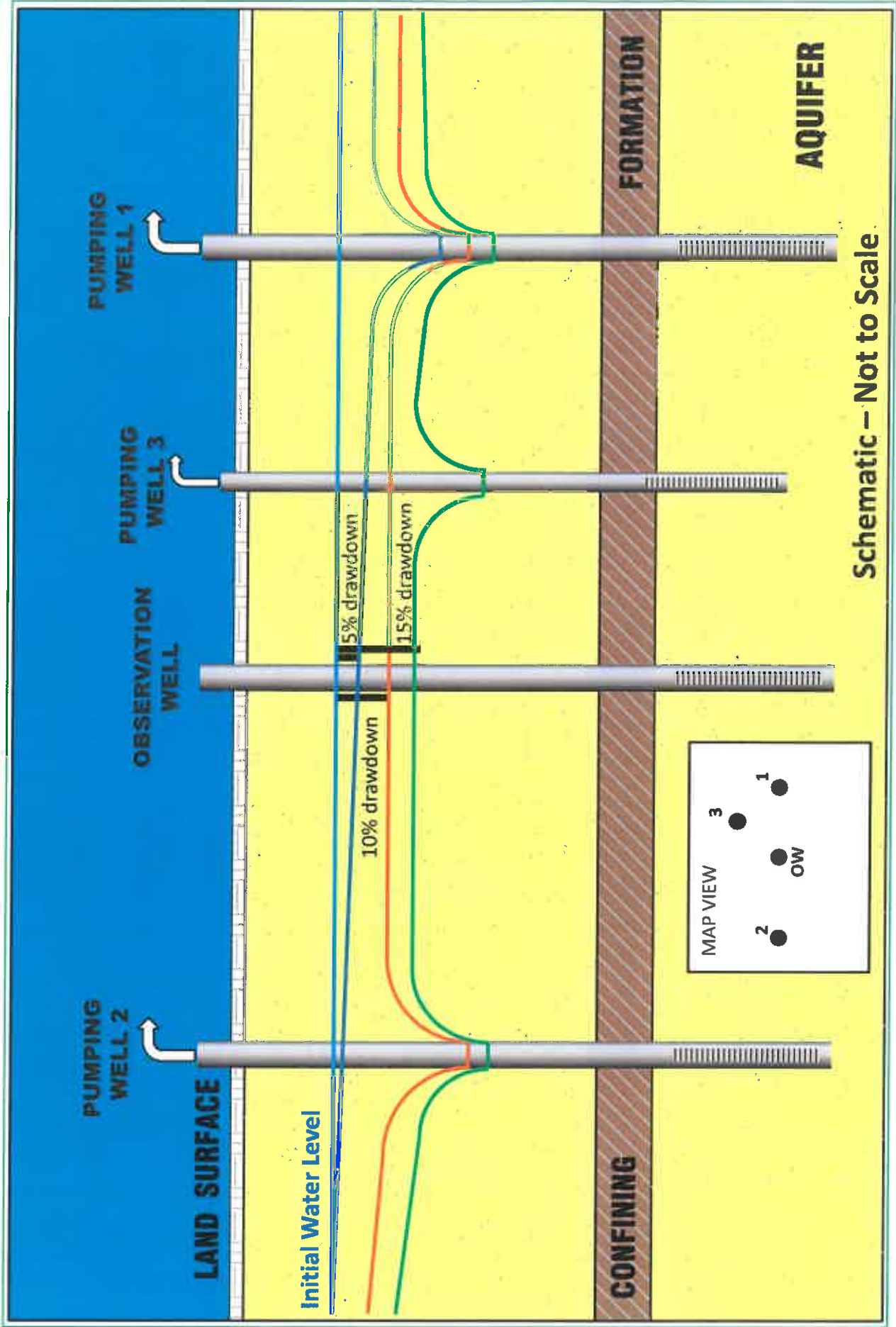
Model Layers (Woodbine and Trinity)



Spacing Discussions

Short Term Impacts





Schematic – Not to Scale

Calculation of Spacing

$$r = \sqrt{\frac{0.3Tt}{S \left(10^{\frac{sT}{264Q}} \right)}}$$

where

r = distance from pumping well (feet)

T = transmissivity (gpd/ft)

S = storativity

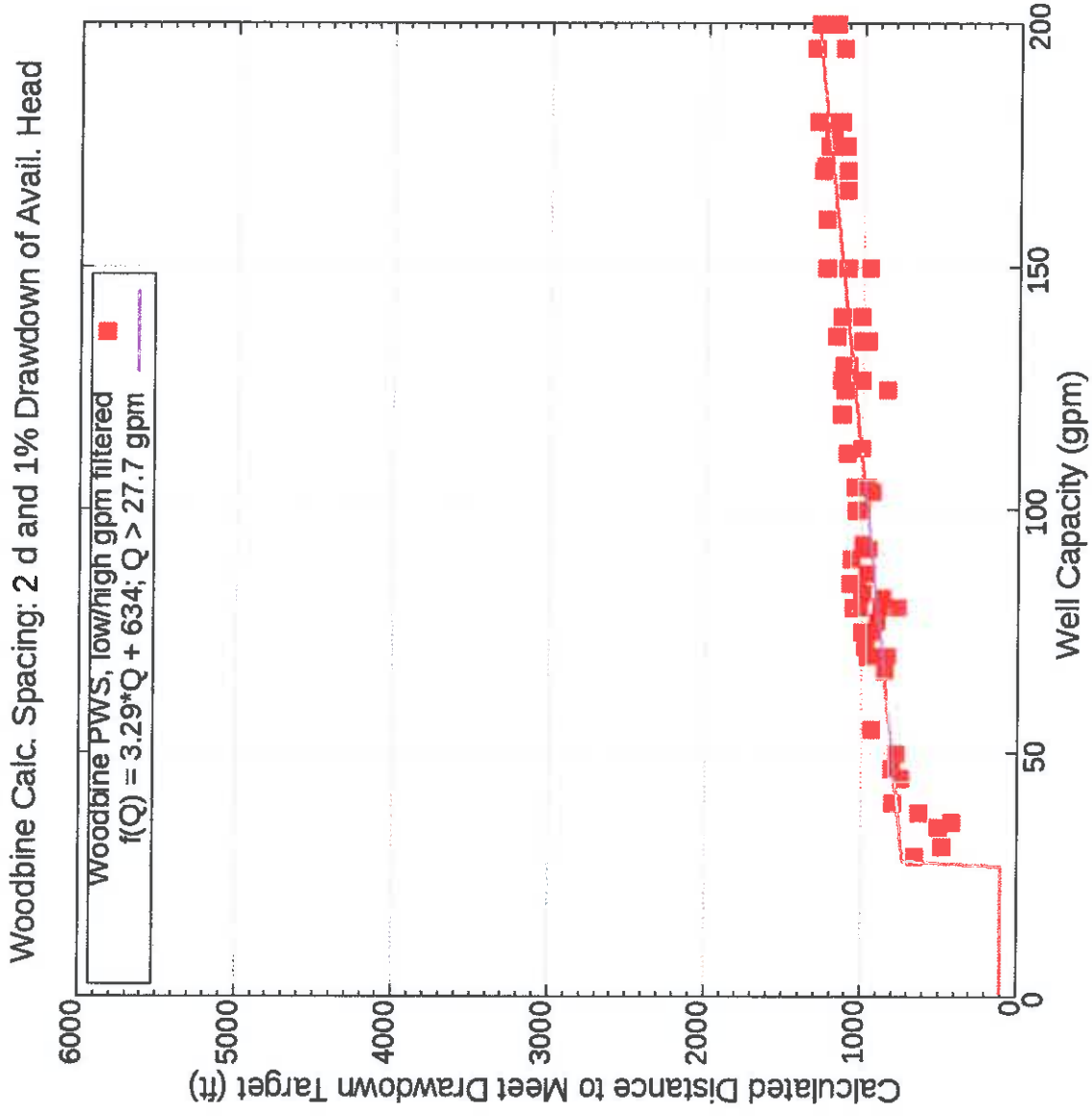
s = drawdown at distance **r** (feet)

Q = pumping rate (gpm)

t = pumping duration (days)



Woodbine – Comparison of 2 Days Pumping, 1% Allowable Drawdown from Base of Aquifer, Non-Exempt Wells < 200 gpm



Permitting Discussions



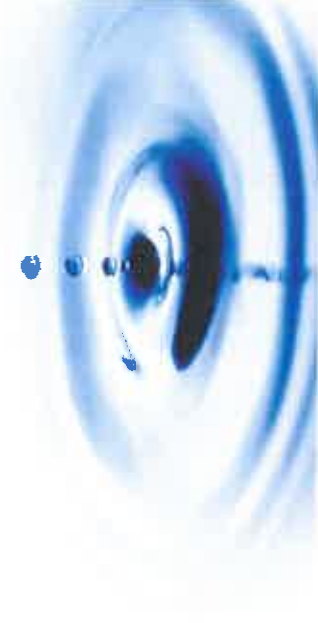
Permitting

- District has been focused on spacing, but more to come on permitting soon....
- Historical use as opposed to Correlative rights
- Each applicant will need to justify a beneficial use
- May have to create management zones



Next Steps...

- Development of a more thorough well/aquifer monitoring program
- Continue to build on current scientific data



Fees

- Groundwater production fees are collected from non-exempt well owners
- \$0.10 per 1,000 gallons (Very low compared to most others in region/PGMA)
- \$1 per acre foot of agricultural use



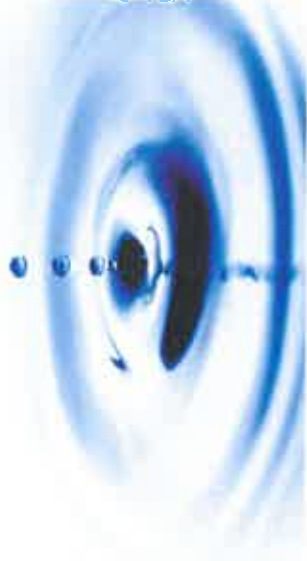
A silhouette of a windmill against a sunset sky with a bright sun and clouds.

Over 59% of Texas' Total Water Supply
is from Groundwater

Questions?

Drew Satterwhite, P.E., General Manager
North Texas Groundwater Conservation District
855-426-4433
d.satterwhite@northtexasgcd.org

Visit us at www.northtexasgcd.org



ATTACHMENT D

Quarterly Reports



COLLIN COUNTY - COOKE COUNTY - DENTON COUNTY

General Manager's Quarterly Report

Date: March 31, 2018

North Texas GCD Management Plan

This quarterly briefing is being provided pursuant to the adopted Management Plan for the quarter ending March 31, 2018.

Well Registration Program:

Current number of wells registered in the District: 2115*

Aquifers in which the wells have been completed: Trinity and Woodbine

Well Inspection/Audit Program:

**2018
Well Inspections**

Month	Collin	Cooke	Denton	Total
January	0	0	28	28
February	21	7	2	30
March	6	7	45	58
April				
May				
June				
July				
August				
September				
October				
November				
December				
Total	27	14	75	116

* reflects 29 wells that were deleted by the staff in a data scrubbing effort. The deleted wells were applied for/registered, but were never actually drilled.



COLLIN COUNTY - COOKE COUNTY - DENTON COUNTY

General Manager's Quarterly Report

Date: July 2, 2018

North Texas GCD Management Plan

This quarterly briefing is being provided pursuant to the adopted Management Plan for the quarter ending June 30, 2018.

Well Registration Program:

Current number of wells registered in the District: 2,186

Aquifers in which the wells have been completed: Trinity and Woodbine

Well Inspection/Audit Program:

**2018
Well Inspections**

Month	Collin	Cooke	Denton	Total
January	0	0	28	28
February	21	7	2	30
March	6	7	45	58
April	6	32	41	79
May	19	6	31	56
June	5	24	72	101
July				
August				
September				
October				
November				
December				
Total	57	76	219	352

NTG NORTH TEXAS GCD GROUNDWATER CONSERVATION DISTRICT

COLLIN COUNTY - COOKE COUNTY - DENTON COUNTY

General Manager's Quarterly Report

Date: October 1, 2018

North Texas GCD Management Plan

This quarterly briefing is being provided pursuant to the adopted Management Plan for the quarter ending September 30, 2018.

Well Registration Program:

Current number of wells registered in the District: 2,267

Aquifers in which the wells have been completed: Trinity and Woodbine

Well Inspection/Audit Program:

2018 Well Inspections

Month	Collin	Cooke	Denton	Total
January	0	0	28	28
February	21	7	2	30
March	6	7	45	58
April	6	32	41	79
May	19	6	31	56
June	5	24	72	101
July	3	12	66	81
August	6	12	79	97
September	4	7	32	43
October				
November				
December				
Total	70	107	396	573



COLLIN COUNTY - COOKE COUNTY - DENTON COUNTY

General Manager's Quarterly Report

Date: December 31, 2018

North Texas GCD Management Plan

This quarterly briefing is being provided pursuant to the adopted Management Plan for the quarter ending December 31, 2018.

Well Registration Program:

Current number of wells registered in the District: 2,375

Aquifers in which the wells have been completed: Trinity and Woodbine

Well Inspection/Audit Program:

**2018
Well Inspections**

Month	Collin	Cooke	Denton	Total
January	0	0	28	28
February	21	7	2	30
March	6	7	45	58
April	6	32	41	79
May	19	6	31	56
June	5	24	72	101
July	3	12	66	81
August	6	12	79	97
September	4	7	32	43
October	0	8	32	40
November	8	5	42	55
December	3	0	13	16
Total	81	120	483	684

ATTACHMENT E

Reports on Region C Water Planning Group Meetings

REGION C WATER PLANNING GROUP
MINUTES OF AN OPEN PUBLIC MEETING
 April 9, 2018

The Region C Water Planning Group (RCWPG) met in an open public meeting on Monday, April 9, 2018, at 1:00 P.M. The meeting was held at the North Central Texas Council of Governments located at 616 Six Flags Drive, Centerpoint Two Building, First Floor Transportation Council Room, Arlington, Texas. Notice of the meeting was legally posted.

Chair Jody Puckett called the Region C Regional Water Planning Group meeting to order at approximately 1:12 P.M. and welcomed guests.

I. ROLL CALL

Vice Chair Russell Laughlin conducted a roll call. The following members were in attendance:

Fiona Allen (Alt. for Kevin Ward)	Russell Laughlin
David Bailey	John Lingenfelder
Wendy Chi-Babulal (Alt. for John Carman)	Steve Mundt
Chris Boyd	Jody Puckett
Bill Ceverha	Bob Riley
Grace Darling	Drew Satterwhite
Tim Fisher	Rick Shaffer (Alt. for James Hotopp's seat)
Tom Kula	Connie Standridge
Harold Latham	Jack Stevens

Connie Townsend, TWDB, Darrell Dean, TDA, Adam Whisenant, TPWD, and David Nabors, Region D, were present. The registration lists signed by guests in attendance are attached.

II. APPROVAL OF MINUTES – December 18, 2017

The minutes of the December 18, 2017, RCWPG meeting were approved as amended by consensus upon a motion by Steve Mundt and a second by Jack Stevens.

III. TWDB BOARD MEMBER UPDATE by Kathleen Jackson

Kathleen Jackson, TWDB, made a brief presentation concerning relevant water topics. Ms. Jackson began by thanking the Region C planning group for its part in being the basis of state water planning accomplishments. Jackson spoke concerning Swift funding; the water supply bond issue promoting cross collateralization of the Clean Water State Revolving fund; the NTMWD request for approval for the first major reservoir in thirty years; and the TWDB flood survey and workshops to get stakeholder input.

Ms. Jackson also spoke on her presentation to the Dallas Water Utilities where she gave updates concerning infrastructure. Jackson also recognized Jody Puckett for being a champion in the water industry by her leadership efforts and involvement in the regional water planning process. Ms. Jackson closed by emphasizing that the TWDB exists to serve.

IV. ACTION ITEMS FOR CONSIDERATION

A. Election of Officers for 2018

Chair Puckett asked if there were any nominations for officers from the floor. Hearing none, Chair Puckett advised on behalf of Gary Spicer that the RCWPG nominating committee had decided on the following recommendation for officers to serve during the calendar year 2018:

Chair	Kevin Ward
Vice Chair	Russell Laughlin
Secretary	Tom Kula

Steve Mundt asked, and Chair Puckett confirmed that the nominees for new officers had agreed to serve.

There were no public comments on this action item.

Upon a motion by Jack Stevens, and a second by Rick Shaffer, the RCWPG voted unanimously to approve the nominees to serve as the 2018 officers effective immediately upon adjournment of the meeting.

B. Resolution Recognizing Jody Puckett

Chair Jody Puckett has submitted her resignation from the Region C Water Planning Group effective April 10, 2018. With Resolution 18-1 the RCWPG recognized Ms. Puckett for her service to the planning group as long-standing member and Chair. Vice Chair Russell Laughlin read Resolution No. 18-1, and photos of the Region C WPG with Chair Puckett followed.

C. Consider Approval of Deadline for Projects to be Considered Existing Supplies

Numerous projects are in progress during this cycle of planning. There must be a specific date by which the project needs to be completed to be considered as "Existing Supply" in the Plan. Consultants are recommending the date of August 1, 2020. RCWPG may take action to approve this deadline.

There were no public comments on this action item.

Upon a motion by Fiona Allen, and a second by Grace Darling, the Region C WPG voted unanimously to approve the date of August 1, 2020, as the deadline by which the project needs to be completed to be considered as an "Existing Supply" in the Plan.

D. Consider Approval of Letter to TWDB Requesting Specific Hydrologic Variances to Water Availability Models

Amy Kaarlela, Freese & Nichols, led this discussion asking the RCWPG to consider approval of a letter to TWDB requesting Hydrologic Variances (HV) to TCEQ's official

Water Availability Models (WAM Run 3) that are required in determining available surface water supplies. The hydrologic variances are the same as have been used in previous planning cycles and include items such as inclusion of system operations used in Region C and subordination agreements. In addition, both Tarrant Regional Water District and Dallas Water Utilities are requesting the use of safe yield (rather than firm yield) in the 2021 Plan. Safe yield was used for both entities in the 2016 Plan.

Connie Townsend, TWDB Project Manager, had suggested a few edits to the hydrologic variance request letter to Amy prior to today's meeting that included clarification of: 'WAM RUN3' as the default TCEQ water availability model; the differences between WAM RUN3 and the unpublished 2017 TCEQ WAM update for the Trinity basin; and, the full storage volume assigned to Forest Grove Reservoir. Ms. Townsend advised that the TWDB will either approve the letter or work with the RWPG to provide additional information and/or provide possible revisions if necessary. Steve Mundt asked if there is any reason the TWDB will contradict the Planning Group's recommendation. Ms. Townsend said they would not dispute if enough background information is provided and the changes are reasonable. Ms. Townsend added that the primary water science staff will initially review, but the TWDB Executive Administrator will give final written approval. The letter to the TWDB will be mailed on April 10, 2018, by Freese & Nichols.

There were no public comments on this action item.

Upon a motion by Tim Fisher, and a second by Rick Shaffer, the Region C WPG voted unanimously to approve the letter to TWDB requesting hydrologic variances to the TCEQ's water availability models with the TWDB Project Manager edits and the ability for the consultants to make minor changes to the HV request if needed.

E. Consider Designation of Major Water Providers

Keeley Kirksey, FNI, advised the planning group that the TWDB has developed a new category of water provider for this fifth cycle of planning. Regional water planning groups are required by rule to specifically consider three, often overlapping, planning units when developing their plans: Water User Groups (WUG), Wholesale Water Providers (WWP), and Major Water Providers (MWP). A single entity may simultaneously be designated as a WUG, WWP, and MWP.

The new category of "Major Water Providers" (MWP) was established in rules for the development of the 2022 State Water Plan in conjunction with the removal of certain reporting requirements to allow RWPGs to establish a more static list of large water providers for which they report information. MWPs are intended to reflect entities of particular significance to the region's water supply instead of reporting data for every Wholesale Water Provider (WWP) as previously required. The MWP designation may include public or private entities that provide water for any water use category. If a region decides not to designate any entities as MWPs, the plan needs to include discussion as to why the RWPG determined it does not have any WUGs or WWPs of significance to the region's water supply.

Chair Puckett suggested the MWP's be designated based on top tier providers of existing and future supplies. The following top tier providers supply 84% of Region C water and serve 94% of Region C population:

- North Texas Municipal Water District (NTMWD)
- Tarrant Regional Water District (TRWD)
- Dallas Water Utilities (DWU)
- Upper Trinity River Water District (UTRWD)
- Greater Texoma Utility Authority (GTUA)
- Trinity River Authority of Texas (TRA)

Consultants are recommending the Major Water Providers be selected from entities that have secured the most water supply for its customers. This is measured by the combined surface water, reuse, and groundwater supply owned by the entity. A discussion on potential other MWP's ensued. Chair Puckett added that the city of Fort Worth has requested to be on the list. Wendy Chi-Babulal, alternate for the city of Fort Worth, said that the inclusion of Fort Worth as a MWP would be helpful for future water management strategies.

There were no public comments on this action item.

Upon a motion by Steve Mundt, and a second by Tim Fisher, the Region C WPG voted unanimously to designate the six top tier providers plus the City of Fort Worth as Major Water Providers.

F. Consider Approval of Methodology for Determining Availability of Non-relevant Aquifers

Amy Kaarlela, FNI, led this discussion regarding the methodology for determining availability of Non-relevant Aquifers. The entire Nacatoch Aquifer was declared non-relevant by GMA8 in the most recent GMA8 Modeled Available Groundwater (MAG) report and therefore MAG values were not calculated in the groundwater availability model runs. The aquifer is used in Region C in Kaufman and Navarro Counties to supply non-municipal needs and County-Other municipal needs. Nacatoch Aquifer is also used in Region D. Ms. Kaarlela contacted GMA representatives and Region D consultants to discuss options to determine availability. The options considered were:

1. Use data from 2016 Water Plan
2. Use Region C Consultants to assimilate new data

David Nabors, Region D Liaison, commented that the Nacatoch Aquifer is a minor amount of water, and Region D is not interested in discussing further. Region C consultants are recommending that the availability be the same as in the 2016 Plan.

There were no public comments on this action item.

Upon a motion by Russell Laughlin, and a second by Tim Fisher, the Region C WPG voted unanimously to use the same availability data for the Nacatoch Aquifer as contained in the 2016 State Water Plan.

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- G. Consider Approval of Region-Specific Scope of Work for Task 5A and Request for Notice to Proceed from TWDB; Consider Authorizing TRA to Execute Contract Amendment with TWDB

Tom Gooch, FNI, advised the planning group that each region is required to develop a region-specific scope of work for Task 5A (Evaluation of Water Management Strategies). Consultants have developed a scope of work and associated fee for approximately half the work to be done under this task. The budget amount for this task is shown below:

- Total Region C Budget = \$2.4M
- Total 5A Budget for Region C = \$1.1M
- Initial 5A Scope/Fee Request = \$412,500
- Remaining scope/fee will be identified after Needs Analysis has been completed
- Similar scope to 2016 Plan, with additions

Task 5A Evaluation of Specific Large Scale Supplies will include:

- Toledo Bend
- Gulf of Mexico Desal
- Lake Texoma (Desal & Blending)
- Oklahoma water
- Neches Run-of-River
- Carrizo-Wilcox Groundwater (Region D)
- Lake O' the Pines
- Tehuacana Reservoir
- Lake Columbia
- Indirect Reuse at Lakes Hubbard & Lewisville
- Integrated Pipeline – Dallas portion
- Cedar Creek Wetlands
- TRWD Additional Reuse
- Lower Bois d'Arc Creek Reservoir
- Lake Ralph Hall and Reuse
- Lake Ringgold
- Sulphur Basin Supplies (3 scenarios)
- New Groundwater from Carrizo-Wilcox
- Aquifer Storage and Recovery (ASR)
- Reallocation of Storage in Joe Pool Lake
- Additional Reuse, multiple projects

Task 5A Evaluation of Strategies will include:

- Updating Costs
- Running WAM for surface supplies to determine availability
- Refining pipeline routing and infrastructure needs
- Environmental impacts

- Update GIS mapping required by TWDB
- Additional items in scope:
 - Allocating supply to WUGs from each strategy
 - Documentation of the evaluation and selection of all recommended strategies & Projects (including explanation of why certain types of strategies may not have been recommended)
 - Coordination with project sponsors
 - Writing report sections
 - Entry of all data into TWDB database (DB22)
- Required Steps:
 - Initial scope posted on Region C website (4/2/18)
 - Take public comment
 - RCWPG consider approval of scope/fee
 - RCWPG consider approval of Notice-to-Proceed Request
 - RCWPG consider authorizing TRA to amend contract with TWDB

Chair Puckett asked if part of the scope will include touching base with the suppliers, and Tom Gooch confirmed that it will.

There were no public comments on this action item.

Upon a motion by Jack Stevens, and a second by Rick Shaffer, the Region C WPG voted unanimously to approve the Task 5A Evaluation of Strategies scope/fee; approve the request for Notice to Proceed from TWDB; and authorize TRA to execute a contract amendment with TWDB to include this new scope of work.

H. Consider Appointment of Task 8 Subcommittee

Elien McDonald, Alan Plummer Associates, initiated discussion on this action item. Task 8 involves the potential designation of Unique River Segments and Unique Reservoir Sites as well as Legislative recommendations. McDonald noted the following considerations:

- The RCWPG may designate a river or stream segment as being of unique ecological value based on the following:
 - Biological function
 - Hydrologic function
 - Riparian Conservation areas
 - High Water Quality/exceptional aquatic life/aesthetic value
 - Threatened or endangered species/unique communities
- The Legislature may designate a river or stream segment of unique ecological value for protection.
- In 2002, TPWD recommended 10 Region C segments as ecologically unique.
- Texas Water Code 16.051(f):

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- “This designation solely means that a state agency or political subdivision of the state may not finance the actual construction of a reservoir in a specific river or stream segment designated by the legislature...”
- For designated segments, regional water planning regulations require assessment of Regional Water Plan impact on:
 - Flows important to the segment
 - Unique features of the segment
- Implies greater level of protection
- Previous Region C Water Plans
 - No river or stream segments recommended as ecologically unique because of unresolved concerns regarding the implications of such a designation.
- Scenarios of concern (upstream, within, or downstream of designated segments)
 - Dams
 - Pipeline crossings
 - Intakes
 - Transport of upstream reservoir releases
 - New water outfalls
 - Treated effluent outfalls
 - Constructed wetlands

Preparation for 2011 Region C Water Plan

- Consultants met with State Agencies, August 2009
 - Reviewed legislation and agency rules
 - Addressed scenarios of concern
- State agency meeting conclusions:
 - TPWD plans no update to 2002 unique stream segment (USS) report for Region C
 - TPWD and TWDB staff believe USS legislation only impacts public financing of reservoirs
 - TCEQ staff position is to use all available information to regulate attributes of streams without regard to USS designation
 - USS designation may influence public opinion
 - USS legislation has not been tested in courts
 - A TWDB/TPWD/TCEQ/RWPG workgroup could help address concerns

Recommendations from 2016 RCWP

- Convene a working group comprised of representatives from TWDB, TPWD, TCEQ, and the sixteen regions to bring clarity, purpose, and direction to the legislative mandate to “identify river and stream segments of unique ecological value.”
- Working group members included: Adam Whisenant, Kevin Ward, Bill Ceverha, James Hotopp, Connie Standridge, Tom Woodward, Denis Qualls, Jim Parks and Jim Oliver.
- Echoed recommendation from the 2011 RCWP.

Unique Sites for Reservoir Construction

- The RCWPG may recommend sites of unique value for reservoir construction:
 - For a reservoir recommended as a water management strategy
 - Based on location, hydrologic, geologic, topographic, water availability, water quality, environmental, cultural and current development characteristics, or other pertinent factors that make the site uniquely suited for reservoir development
 - For the current planning period; or
 - If reasonably needed to meet needs beyond the 50-year planning period.
- The Legislature may designate a site of unique value for the construction of a reservoir.

Implications

- Texas Water Code 16.051(g):
 - “A state agency or political subdivision of the state may not obtain a fee title or an easement that would significantly prevent the construction of a reservoir on a site designated by the legislature...”

Recommendations from 2016 RCWP

- Continue to designate following sites as unique sites
 - Ralph Hall
 - Lower Bois d’Arc Creek
 - Marvin Nichols
 - Tehuacana
 - Fastrill
 - Columbia
- Recommend that Texas Legislature designate George Parkhouse (North) as an additional unique site for reservoir construction (Legislature has not made this designation)
- Encourage continued affirmative votes by sponsors of these reservoirs to make expenditures to construct or apply for permits to preserve the designations

2021 Recommendations

- No significant actions or clarifications since 2011 RCWP
- Options available to the RCWPG to address river and stream segments of unique ecological value and unique reservoir sites:
 - Maintain the same recommendations
 - Appoint a subcommittee to review/revise recommendations

Chair Puckett discussed these options with the planning group. Jack Stevens asked if there had been any new criteria to which Adam Whisenant replied there was none. Bill Ceverha was in favor of keeping the same recommendations since nothing had changed since the 2016 designations. Chair Puckett added that the planning group does not want to hinder any duties of stream segments such as providing greenbelts. Chair Puckett also noted that she had been involved in studies on stream flows and how they can affect ecology. Whisenant said that a subcommittee would provide an opportunity to bring more information together. Tom Kula said that he supports stream

segment review. RCWPG may consider appointing a subcommittee to review the issues and make recommendations to the full RCWPG.

There were no public comments on this action item.

Upon a motion by Jack Stevens and a second by Fiona Allen, the Region C WPG voted unanimously to form a Task 8 Subcommittee to review and revise recommendations for river and stream segments of unique ecological value and unique reservoir sites; and appoint Adam Whisenant, Tom Kula, Grace Darling, Bob Riley, Jack Stevens, Wendy Chi-Babulal, Tim Fisher, Rick Shaffer, Kevin Ward and John Lingenfelder to the Task 8 Subcommittee.

V. DISCUSSION ITEMS

- A. Schedule - Amy Kaarlela presented the following key dates for the 2021 Planning Cycle
- September 2018 – Technical Memo on Needs, Potentially Feasible Strategies, Major Water Providers Due to TWDB
 - March 2, 2020 – Initially Prepared Plan Due
 - October 13, 2020 – Final Plan Due
 - Next Meetings – August 20, 2018 & possibly November 2018
- B. Existing Water Availability (Task 3) – Keeley Kirksey, FNI, led this discussion and provided charts comparing the existing surface, groundwater, and reuse supplies in the 2016 RCWP to the proposed 2021 RCWP. Kirksey noted:
- WAM Modeling complete for all reservoirs
 - Supplies are similar to those in the 2016 Plan
 - Changes from volumetric surveys
 - TCEQ changes to the WAM
 - Changes based on reservoir operations
 - Existing Supplies: Reuse – Changes from 2016 RCWP (Preliminary)
 - Supplies moved from recommended WMS to existing supplies
 - DWU Lake Ray Hubbard/Main Stem Pump Station Exchange
 - DWU Lewisville Lake/Main Stem Pump Station Exchange
 - Irving Twin Wells Golf Course Reuse (part of Irving/TRA WMS from 2016 Plan)
 - Revisions to NTMWD East Fork Raw Water Supply Project to include diversions at the Main Stem Pump Station
 - Includes sale of TRA reclaimed water to NTMWD
 - Lake Weatherford Indirect Reuse
- C. Initial List of Potentially Feasible Water Management Strategies (Task 4B) – Keeley Kirksey, FNI, led this discussion and pointed out that a draft list was provided to the planning group in the notebook handout. Kirksey noted that the draft list:
- Not all-inclusive or final
 - Includes WMSs from 2016 Plan
 - Includes new WMSs
 - Includes changes to WMSs from 2016 Plan
 - Will include additional WMSs when final

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- WMS Example Categories (not complete list)
 - Water Conservation
 - Direct and Indirect Reuse
 - Aquifer Storage and Recovery
 - Desalination
 - Connect to existing supplies
 - Purchase from provider
 - New Reservoir
 - Groundwater
 - System Operations
 - WTP Expansions
 - Modify Existing Permits

D. Public Participation Materials – Amy Kaarlela, FNI, gave the following points on this topic:

- Cooksey Communications developed materials to be used by Region C members as needed
- “Elevator speech” designed to quickly communicate the critical importance of water planning to our Region
- Printable “brochure” to be distributed at speaking engagements, etc.

Ms. Kaarlela advised that the brochure will be uploaded to website by August and can be updated as needed. Steve Mundt commented that this is a good alternative solution to a quarterly newsletter.

E. TWDB Planning Rule Revision Q & A – Connie Townsend, TWDB, provided the presentation slides to RCWPG members prior to today’s meeting as requested and advised that the new regional planning rules will become effective April 11, 2018. Ms Townsend also highlighted information from slide #11: *Amended §357.21(c) requires 14-day notice (and 14-day comment period after) for approval of the technical memorandum.* Steve Mundt asked if there are any issues to be taken to the Legislature. Ms. Townsend replied that Task 8 includes the planning group developing their own legislative policy recommendations and regional water planning recommendations and the Task 8 Subcommittee can address these when they meet and these issues will be presented to the Legislature. Chair Puckett thanked Ms. Townsend for her attendance.

F. Next Steps – Amy Kaarlela outlined these steps as follows:

- Summer – Database entry of Existing Supplies; Determine Needs; begin evaluation of large scale strategies
- August – Next RCWPG Meeting
- September – Submittal of Tech Memo (Needs, Potentially Feasible Strategies)
- Late 2018 – Begin other Misc. Tasks; possible RCWPG meeting.

VI. OTHER DISCUSSION

A. Updates from the Chair – Chair Puckett did not have any updates but encouraged the Region C planning members with vacant alternate positions to find alternates as soon as possible.

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B. Report from Regional Liaisons

- Region B – None.
- Region D - David Nabors advised that the next Region D meeting will be April 11, 2018. Nabors added that the consulting engineers and the Region D members are on the same page.
- Region I – None.

C. Report from Texas Water Development Board – Connie Townsend, TWDB, spoke on the following topics:

- Second contract amendment documents are being put together to include revised rules, revised Exhibit C, new Exhibit D, and additional committed funds..
- April 16, 2018 – Anticipate the TWDB Board Adoption of all Regional Water Planning Projections.
- State Flood Assessment Surveys have been sent out to receive stakeholder input.
- Interactive State Water Plan enhancements have been made: new WMS view page that allows users to explore relationships between strategies, projects, and benefitting populations; new WMS-Type view page that allows users to explore planning data by, for example, ASR, new major reservoir, rainwater harvesting, etc; and improved help/navigation tools in the online application.
- Technical Memo and MWPs List due September 10, 2018.

D. Report from Texas Department of Agriculture - None

E. Report from Texas Parks and Wildlife Department – None.

F. Other Reports

G. Confirm Date and Location of Next Meeting – August 20; 1pm, NCTCOG, 616 Six Flags Drive, Centerpoint Two Building, First Floor Transportation Council Room, Arlington, Texas 76011

VII. ADJOURNMENT

There being no further business, the meeting of the RCWPG adjourned at approximately 3:25 P.M.

JODY PUCKETT, Chair

REGION C WATER PLANNING GROUP
MINUTES OF AN OPEN PUBLIC MEETING
 August 20, 2018

The Region C Water Planning Group (RCWPG) met in an open public meeting on Monday, August 20, 2018, at 1:00 P.M. The meeting was held at the North Central Texas Council of Governments located at 616 Six Flags Drive, Centerpoint Two Building, First Floor Transportation Council Room, Arlington, Texas. Notice of the meeting was legally posted.

Chair Kevin Ward called the Region C Regional Water Planning Group meeting to order at approximately 1:08 P.M. and welcomed guests.

I. ROLL CALL

Secretary Tom Kula conducted a roll call. The following members were in attendance:

David Bailey	Steve Mundt
Chris Boyd	Denis Qualls (Alt. for Municipalities Vacancy)
Bill Ceverha	Bob Riley
Wendy Chi-Babulal (Alt. for Municipal. Vac.)	Craig Schkade (Alt. for Russell Laughlin)
Grace Darling	Rick Shaffer
Gary Douglas	Gary Spicer
Tim Fisher	Connie Standridge
Tom Kula	Jack Stevens
Harold Latham	Kevin Ward
John Lingenfelder	

Sarah Backhouse, TWDB, Adam Whisenant, TPWD, and David Nabors, Region D, were present. The registration lists signed by guests in attendance are attached.

II. APPROVAL OF MINUTES – April 9, 2018

The minutes of the April 9, 2018, RCWPG meeting were approved by consensus upon a motion by Jack Stevens and a second by John Lingenfelder.

III. ACTION ITEMS FOR CONSIDERATION

A. Nominating Committee for Slate of Officers for 2019

The RCWPG may appoint a Nominating Committee to develop a recommendation for the 2019 slate of officers. Election of 2019 Slate of Officers will occur at the next RCWPG meeting (Fall 2018).

There were no public comments on this action item.

Upon a motion by Gary Spicer, and a second by Rick Shaffer, the RCWPG voted unanimously to appoint Kevin Ward, Tim Fisher, Steve Mundt and Jack Stevens to the

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Nominating Committee for a slate of officers for 2019 that will be presented to the RCWPG at its next meeting for confirmation.

- B. Announcement of Vacancy for Jody Puckett's position representing Municipalities and John Carman's position representing Municipalities. Call for Nominations to fill Vacancies, and vote to fill vacancies.

Ms. Puckett submitted her resignation from the Region C Water Planning Group effective April 9, 2018. Ms. Puckett recommended Richard V. Wagner, P.E., Dallas Water Utilities' Assistant Director of Business Operations, as her replacement. Bill Ceverha nominated Richard V. Wagner, P.E. to fill the Municipal Position #1 vacancy. Chairman Ward asked if there were any other nominations from the floor, but there were none. The Region C WPG voted unanimously to elect Richard V. Wagner, P.E., to the Municipal #1 position.

John Carman no longer represents the interest he was selected to represent (Municipalities). Per Region C Bylaws, a new representative should be elected. The City of Fort Worth has recommended Christopher Harder, P.E. Bob Riley nominated Christopher Harder, P.E., to fill the Municipal Position #2 vacancy. Chairman Ward asked if there were any other nominations from the floor, but there were none. The Region C WPG voted unanimously to elect Christopher Harder, P.E., to the Municipal #2 position.

- C. Election of Members to fill expiring terms.

The RCWPG will accept nominations from the planning group and the public and take action to fill the positions that expire on November 1, 2018. Each position is a five-year commitment. The positions are as follows:

Currently Held by	Interest	Seeking Re-Election
Bill Ceverha	Public	Yes
Grace Darling	Environmental	Yes
Tim Fisher	Municipalities	Yes
Russell Laughlin	Industry	Yes
G. K. Maenius	Counties	Yes
Gary Spicer	Electric Generating Utilities	Yes
Connie Standridge	Water Utilities	Yes
Jack Stevens	Water Districts	Yes
Kevin Ward	River Authorities	Yes

Chairman Ward asked if there were any nominations from the floor or the public. There were no public comments on this action item.

Upon a motion by Steve Mundt, and a second by Jack Stevens, the Region C WPG voted unanimously to re-elect Bill Ceverha, Grace Darling, Tim Fisher, Russell

Laughlin, G. K. Maenius, Gary Spicer, Connie Standridge, Jack Stevens and Kevin Ward to serve five-year terms on the Region C Water Planning Group board.

D. Consider Approval of Technical Memorandum

Chairman Ward asked if any public comments on approving the Technical Memorandum had been received, but there were none.

Tom Gooch, Freese & Nichols, led this discussion asking the RCWPG to consider approval of the Technical Memorandum due to the TWDB by September 10, 2018. Originally, total regional population could not change from TWDB draft projections. That rule was modified by the TWDB to allow up to a 2.44% increase based upon 2015 U. S. Census Population estimates and interpolated data from 2017 State Water Plan. This increase did not accommodate all the Water User Groups' (WUGs) requested changes. These draft revisions were approved by the Region C planning group at its December 2017 open meeting, and approved by the TWDB in April 2018.

Mr. Gooch stated that the largest differences occurred in Collin County. Manufacturing and steam electric projections went down significantly; irrigation and mining projections were slightly higher; and livestock showed no change.

The TWDB provided revised 2011 through 2015 per capita use data in June 2017, and allowed Region C limited ability to revise the base GPCD if justified. The GPCD's were modified as follows:

- Requested changes to base per capita for 21 WUGs
 - Updated 2011 GPCD was 20+ greater than in 2016 Water Plan
 - Multiple recent years show substantially higher GPCD than 2011 (indicating 2011 was not representative of a dry year)
 - DFW International Airport added to County-Other

In addition to population and demand projections, the Technical Memorandum included:

- Overall Water Supply Source Availability
 - Includes surface water imports
 - Limited to firm yields (or safe yields as appropriate)
 - Reservoirs/Systems in Region C
 - Run-of-River Irrigation
 - Livestock and other local supply
 - Groundwater
 - Reuse
- Surface Water Availability
 - Comprised of reservoirs, reservoir systems, and local supplies
 - Based on results of TCEQ-approved WAMs (Trinity, Red and Sulphur)
 - Requested hydrologic variances (Approved June 2018)
 - Safe yields versus firm yields
- Groundwater Availability

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- Two major aquifers (Carrizo-Wilcox and Trinity)
- Four minor aquifers (Woodbine, Nacatoch, Cross Timbers and Queen City)
- Locally undifferentiated formations ("Other Aquifers")
- MAG estimates provided by TWDB (directly from GMA8, GMA11 and GMA12 reports)
- No GAM models were used
- GMA 8 and 11 deemed Nacatoch "non-relevant"
- Reuse Availability
 - Permitted Reuse projects were updated for the 2021 Plan
- Existing Water Supplies
 - Less than available Water Supplies
 - Limited by water rights, contracts and existing facilities (or facilities that will be completed by August 2020)
- Comparison to 2016 Water Plan
 - Slightly less groundwater
 - More Reuse and Surface Water
- Potentially Feasible Water Management Strategies
 - Methodology presented and approved by RCWPG December 2017
 - Conservation
 - Drought Management
 - Reuse
 - Existing Supplies
 - Development of New Supplies
 - Reallocation/Management of Existing Supplies
 - Conjunctive Use
 - Acquisition of Available Existing Supplies
 - Development of Regional Water Supply or Providing Regional Management of Water Supply Facilities
 - Voluntary Transfer of Water
 - Emergency Transfer of Water
 - System Optimization, Subordination, Leases, Enhancement of Yield, Improvement of Water Quality
 - Desalination
- Simplified Planning Option
 - Currently, planning process may be amended because others want to be included.
 - RCWPG does not want the Simplified Planning Option.

Amy Kaarlela, FNI, added that paper copies of the database report are not included in the RCWPG members' notebooks. Ms. Kaarlela stated that she has several copies for anyone who wants to review it. These reports will be included in the final Tech Memo submittal to TWDB. She added that the database report shows needs by Water User Groups. Tim Fisher asked how reuse numbers were allocated. Ms. Kaarlela replied they were based on estimated return flows contributing to each reuse project.

Public comments on approving the Technical Memorandum will be open for two weeks following today's Region C open meeting, concluding on September 3, 2018.

There were no public comments on this action item.

Upon a motion by Grace Darling, and a second by Jack Stevens, the Region C WPG voted unanimously to approve the Technical Memorandum for submittal to the TWDB by September 10, 2018.

E. Consider (Retro-Active) Approval of Budget Amendment

Amy Kaarlela, FNI, led the discussion on this action item. Ms. Kaarlela advised that the consultants, FNI, requested a budget amendment from TWDB on May 8, 2018. The TWDB approved these amendments by letter dated May 24, 2018. The total study cost remains unchanged.

The budget amendments are as follows:

- Task 2A - Non-Municipal Demand +\$5K
- Task 2B - Population and Municipal Demand +\$67K
- Task 4A - Identification of Water Needs +~\$11K
- Task 7 - Drought Response ~\$83K

There were no public comments on this action item.

Upon a motion by John Lingenfelder, and a second by Grace Darling, the Region C WPG voted unanimously to approve a budget adjustment from the TWDB retroactively.

IV. DISCUSSION ITEMS

A. Schedule - Amy Kaarlela presented the following key dates for the 2021 Planning Cycle

- September 10, 2018 – Technical Memo on Needs, Potentially Feasible Strategies, Major Water Providers Due to TCEQ
- March 2, 2020 – Initially Prepared Plan Due
- October 14, 2020 – Final Plan Due
- Next Meeting – To be determined

B. Task 8 Subcommittee Report – Ellen McDonald, APAI, led this discussion on the Task 8 Subcommittee meeting held this date at 11 AM. Jack Stevens was elected Chair of this subcommittee. Task 8 reviews and recommends unique stream segments and reservoir sites. Chair Stevens reported that the Task 8 Subcommittee continues to support the George Parkhouse Reservoir; and has no suggested recommendations for unique stream segments or reservoir sites. Chairman Ward said no designations were made today. Amy Kaarlela added that there will not be an official recommendation from the Region C WPG at this meeting. These recommendations will be made in the final report.

- C. Next Steps – Amy Kaarlela, FNI, led this discussion. Ms. Kaarlela advised the water planning group that the consultants will be devoting most of their time to Task 5A – Water Management Strategy Evaluations which amounts to \$1.1M of the \$2.4M total budget allocation. The consultants will also be conducting various tasks related to the preparation of the next IPP.

V. OTHER DISCUSSION

- A. Updates from the Chair – Chairman Ward stated that he is looking forward as the new Region C Chair to refining designations and implementing changes in the processes.
- B. Report from Regional Liaisons
- Region B - Jack Stevens advised that the next meeting will be August 22, 2018.
 - Region D - David Nabors advised that he will be going off the Region D board in September. Mrs. Sharon Nabors will be taking his position on the Group. Mr. Nabors stated that there is not much land available for farming, and there needs to be a more feasible plan for obtaining water than building new reservoirs. Mr. Nabors thanked the water group for their participation in this important planning endeavor.
 - Region G - None
 - Region H - Chairman Ward stated that Jim Sims attended the last meeting in August; next meeting will be in November.
- C. Report from Texas Water Development Board – Sarah Backhouse, TWDB, addressed the following topics:
- The State Water Flood Assessment is under internal review. It is anticipated that the document will be posted for public comment the first week in September. The TWDB will be holding a work session for public comments. A final version of the report will be presented to the 2019 Legislature.
 - The Water for Texas Conference will be held on January 23-25, 2019, in Austin. The theme of the conference will be “Story of Texas Water: Past, Present & Future”.
 - Planning staff is hosting a meeting for the Uniform Standards Committee in November. The committee is made up of the RWPG Chairs or their designees and is tasked to establish the uniform standards used by planning groups to prioritize projects in the regional water plans.
 - Three projects within Region C received commitments for the 2018 SWIFT cycle. These included NTMWD’s Water Distribution Improvement Project, UTRWD’s Parallel Pipeline project, and the City of Westlake’s Increase Delivery Infrastructure project.
- D. Report from Texas Department of Agriculture - None
- E. Report from Texas Parks and Wildlife Department – Adam Whisenant mentioned that he attended the Task 8 Subcommittee Meeting and provided input. Chairman Ward thanked Ms. Whisenant for his insights at the meeting.
- F. Other Reports - None

- G. Confirm Date and Location of Next Meeting – TBD; NCTCOG, 616 Six Flags Drive, Centerpoint Two Building, First Floor Transportation Council Room, Arlington, Texas 76011
- H. Public Comments - None

VI. ADJOURNMENT

There being no further business, the meeting of the RCWPG adjourned at approximately 2:10 P.M.

KEVIN WARD, Chairman

ATTACHMENT F

Reports on Stakeholder Meetings

**Meeting of the
Groundwater Management Area 8
June 27, 2018 in Cleburne, TX**

Minutes

The Groundwater Management Area 8 (GMA 8) district representatives (referred to herein collectively as “the Committee” for easy reference), which consists of representatives from the Central Texas Groundwater Conservation District, Clearwater Underground Water Conservation District, Middle Trinity Groundwater Conservation District, North Texas Groundwater Conservation District, Northern Trinity Groundwater Conservation District, Post Oak Savannah Groundwater Conservation District, Prairielands Groundwater Conservation District, Red River Groundwater Conservation District, Saratoga Underground Water Conservation District, Southern Trinity Groundwater Conservation District, and Upper Trinity Groundwater Conservation District, held a **Joint Planning meeting at 10:00 A.M. on Tuesday, June 27, 2018**, in the Cleburne Conference Center in Cleburne, Texas.

Groundwater Conservation District Representatives Present:

Central Texas GCD: Mitchell Sodek	Red River GCD: David Gattis
Clearwater UWCD: Judy Parker	Middle Trinity GCD: Joe Cooper
Northern Trinity GCD: Bob Patterson	Upper Trinity GCD: Doug Shaw
North Texas GCD: Ronny Young	Saratoga UWCD: Jason Jones
Post Oak Savannah GCD: Gary Westbrook	Southern Trinity GCD: Peter Kultgen
Prairielands GCD: Charles Beseda	

Groundwater Conservation District Representatives Absent:

None

1. Invocation

Mike Massey provided the invocation for the meeting.

2. Call meeting to order and establish quorum

Vice Chair Joe Cooper, Middle Trinity GCD, established that a quorum was present and called the GMA 8 meeting to order at 10:10 am.

3. Welcome and introductions.

Vice Chair Joe Cooper welcomed the guests present at the meeting, recognizing Robert Bradley with the Texas Water Development Board, and past Chair, Eddy Daniel.

4. Public Comments.

Vice Chair Joe Cooper asked if any of the attendees had public comments to present to the GMA 8. There were no public comments.

5. Consider and act upon approval of minutes from the January 31, 2017, GMA 8 meeting

The Committee reviewed the minutes of the January 31, 2017 meeting. David Gattis made a motion to approve the minutes of the January 31, 2017 meeting. Charles Beseda seconded the motion. Ronny Young abstained. The motion passed.

6. Consider and act upon election of officers for GMA 8.

David Gattis made the motion to appoint Joe Cooper as Chair. Judy Parker seconded the motion. Judy Parker moved to nominate Gary Westbrook as Vice Chair, and the motion was seconded by David Gattis. Gary Westbrook indicated that his location was not in an area with a lot of impact/input, and encouraged the group to think about this nomination. Judy Parker rescinded the motion of Gary Westbrook as Vice Chair, honored by David Gattis. Judy Parker then moved to nominate Mitchell Sodek as Vice Chair. Charles Beseda seconded the motion. Both motions passed unanimously.

7. Consider and act upon Resolution of Appreciation for Eddy Daniel.

Chair Joe Cooper read the Resolution of Appreciation for Eddy Daniel. Charles Beseda made the motion to approve the Resolution of Appreciation for Eddy Daniel. Ronny Young seconded the motion. The motion passed unanimously.

8. Consider and act upon appointing a representative to Region F Regional Water Planning Group.

Doug Shaw made the motion that Joe Cooper be appointed as representative to Region F Regional Water Planning Group. David Gattis seconded the motion. Judy Parker made the motion that Doug Shaw be appointed as alternate to Region F Regional Water Planning Group. Charles Beseda seconded the motion. Both motions passed unanimously.

9. Consider and act upon appointing a representative to Region G Regional Water Planning Group.

Mitchell Sodek made the motion that Dirk Aaron be appointed as representative to Region G Regional Water Planning Group. Bob Patterson seconded the motion. Judy Parker made the motion that Doug Shaw be appointed as alternate to Region G Regional Water Planning Group. Mitchell Sodek seconded the motion. Both motions passed unanimously.

10. Consider and act upon appointing a representative to Region K Regional Water Planning Group.

Judy Parker made the motion that Mitchell Sodek be appointed as representative to Region K Regional Water Planning Group. Doug Shaw seconded the motion. Mitchell Sodek made the motion that Paul Babb be appointed as alternate to Region K Regional Water Planning Group. Ronny Young seconded the motion. Both motions passed unanimously.

11. Consider and act upon path forward for selecting a consultant for next round of Desired Future Conditions joint planning.

The GMA 8 members discussed how the selection should be made. Charles Beseda made the motion that RFQ be posted on the GMA 8 and TAGD websites. David Gattis seconded the motion. Motion passed unanimously.

A discussion was held as to what requirements should be included in the RFQ. Charles Beseda made the motion to authorize Drew Satterwhite and Joe Cooper to work together to draft the RFQ, send it to GMA 8 members for review and then post it. Doug Shaw seconded the motion. Motion passed unanimously.

12. Consider and act upon status of groundwater conservation district creation within GMA 8, including possible inquiry to Texas Commission on Environmental Quality.

A detailed discussion was held regarding Williamson and northern Travis counties. Joe Cooper and Dirk Aaron will draft a letter concerning Williamson and northern Travis counties asking TWDB to update PRM study area 350, Chapter 35 designation of study area. Charles Beseda made the motion to authorize the letter from GMA 8 to ask TWDB to update existing report. Mitchell Sodek seconded the motion. Motion passed unanimously.

13. Discussion of GMA 8 District Management Plans and Rules.

All eleven District representatives gave reports on their Management Plans and Rules. A summary of each District's discussions were requested and those summaries are attached as appendices to the minutes.

14. Discussion of possible agenda items and dates for next GMA 8 meeting.

The next meeting date will probably be before the end of the year. No specific date was selected at this time.

15. Closing comments.

Brian Sledge emphasized the importance of documenting the Districts' reports of their Management Plans and Rules.

16. Adjourn

Chair Joe Cooper declared the meeting adjourned at 12:20 p.m.

The GMA 8 Committee unanimously approved the minutes on this _____ day of _____, 2018.

Recording Secretary

Chairman

**Meeting of the
Groundwater Management Area 8
November 30, 2018 in Itasca, TX**

Minutes

The Groundwater Management Area 8 (GMA 8) district representatives (referred to herein collectively as “the Committee” for easy reference), which consists of representatives from the Central Texas Groundwater Conservation District, Clearwater Underground Water Conservation District, Middle Trinity Groundwater Conservation District, North Texas Groundwater Conservation District, Northern Trinity Groundwater Conservation District, Post Oak Savannah Groundwater Conservation District, Prairielands Groundwater Conservation District, Red River Groundwater Conservation District, Saratoga Underground Water Conservation District, Southern Trinity Groundwater Conservation District, and Upper Trinity Groundwater Conservation District, held a **Joint Planning meeting at 10:00 A.M. on Friday, November 30, 2018**, at the Hilco Civic & Event Center in Itasca, Texas.

Groundwater Conservation District Representatives Present:

Central Texas GCD: Mitchell Sodek	Red River GCD: David Gattis
Clearwater UWCD: Dirk Aaron	Middle Trinity GCD: Joe Cooper
Northern Trinity GCD: Bob Patterson	Upper Trinity GCD: Doug Shaw
Post Oak Savannah GCD: Gary Westbrook	Southern Trinity GCD: Peter Kultgen
Prairielands GCD: Charles Beseda	

Groundwater Conservation District Representatives Absent:

North Texas GCD: Ronny Young
Saratoga UWCD: Jason Jones

1. Invocation

James Beach provided the invocation for the meeting.

2. Call meeting to order and establish quorum

Chair Joe Cooper, Middle Trinity GCD, established that a quorum was present and called the GMA 8 meeting to order at 10:05 am.

3. Welcome and introductions.

Chair Joe Cooper welcomed the guests present at the meeting. He introduced the new TWDB representative, Jean Perez.

4. Public Comments.

Chair Joe Cooper asked if any of the attendees had public comments to present to the GMA 8. Judy Reeves, property owner in the Upper Trinity GCD questioned why the DFCs were reviewed every five years. She questioned why the goals were changed if the DFCs were agreed upon for a 50 year period. She had questions about the process, and models used. Joe Cooper informed her that the 5-year process is required by law. Goals may need to be altered due to changes in population and economic growth. She was advised to speak with representatives from Upper Trinity GCD to address her specific concerns.

5. Consider and act upon approval of minutes from the June 27, 2018, GMA 8 meeting

The Committee reviewed the minutes of the June 27, 2018 meeting. Mitchell Sodek requested that the spelling of his name in Item 6 be corrected. Charles made a motion to approve the minutes of the June 27, 2018 meeting with the spelling of Mitchell Sodek's name correction. Bob Patterson seconded the motion. The motion passed unanimously.

6. Consider and act upon selection of consultant(s) to perform professional services related to the development of Desired Future Conditions for aquifers within Groundwater Management Area 8.

Chair Joe Cooper informed the Committee that four SOQs were submitted by INTERA, LRE, Meadows Center and WSP. The Committee used a ranking system to select the consultant. WSP was the consultant with the highest points. The GMA 8 Committee suggested creating a committee to negotiate a contract, scope of work, and cost with WSP. Drew Satterwhite, Joe Cooper and Dirk Aaron were nominated to serve on the committee. The information compiled is to be sent to all districts and a meeting will then be scheduled to vote on the contract, scope of work, and cost. Peter Kultgen made the motion to create the committee to develop a contract, scope of work and cost. Dirk Aaron seconded the motion. The motion passed unanimously.

7. Discussion of possible agenda items and dates for next GMA 8 meeting.

Chair Joe Cooper suggested that the contract, scope of work and cost be presented at the next GMA 8 meeting. The date for the next meeting will be announced.

15. Closing comments.

Chair Joe Cooper thanked Dirk Aaron for his help in obtaining Hilco Civic and Event Center to hold the GMA 8 meeting.

16. Adjourn

Dirk Arron made the motion to adjourn. Charles Beseda seconded the motion. Motion passed unanimously. Chair Joe Cooper declared the meeting adjourned at 10:42 a.m.

The GMA 8 Committee unanimously approved the minutes on this 30th day of November, 2018.

Recording Secretary

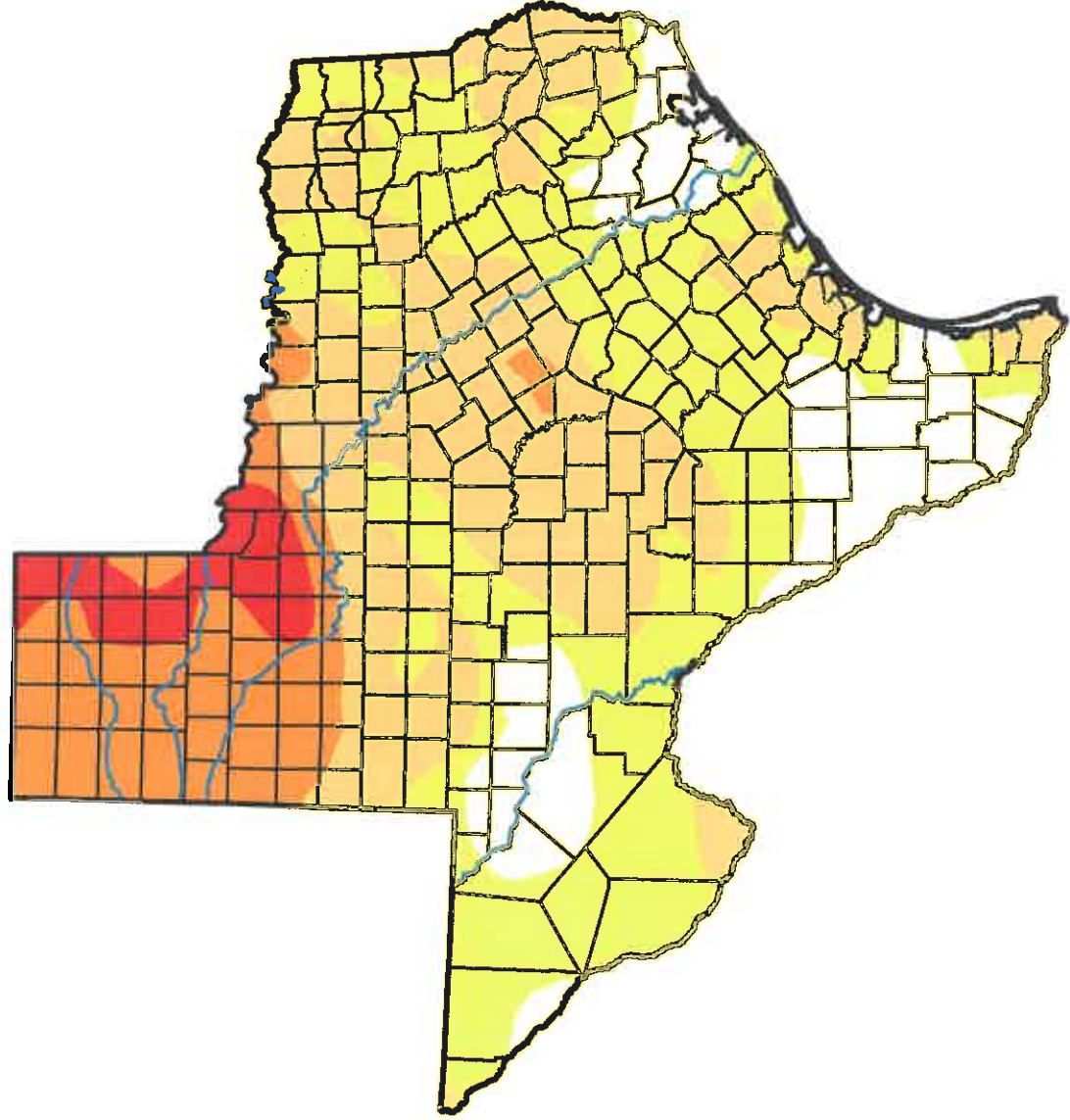
Chairman

ATTACHMENT G

Monthly Drought Monitor Maps for Texas

U.S. Drought Monitor Texas

January 23, 2018
 (Released Thursday, Jan. 25, 2018)
 Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	14.50	85.50	49.49	17.14	4.25	0.00
Last Week <i>01-16-2018</i>	20.81	79.19	41.81	16.21	2.01	0.00
3 Months Ago <i>10-24-2017</i>	80.89	19.11	1.74	0.00	0.00	0.00
Start of Calendar Year <i>01-02-2018</i>	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year <i>09-26-2017</i>	70.54	29.46	4.17	0.04	0.00	0.00
One Year Ago <i>01-24-2017</i>	92.24	7.76	3.19	1.08	0.01	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Richard Heim
 NCEI/NOAA



U.S. Drought Monitor Texas

February 20, 2018
 (Released Thursday, Feb. 22, 2018)
 Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	11.90	88.10	70.76	37.56	11.13	0.00
Last Week 02-13-2018	10.26	89.74	71.22	37.56	13.07	0.00
3 Months Ago 11-21-2017	40.02	59.98	20.23	3.25	0.00	0.00
Start of Calendar Year 01-02-2018	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year 09-26-2017	70.54	29.46	4.17	0.04	0.00	0.00
One Year Ago 02-21-2017	91.57	8.43	2.07	0.82	0.00	0.00

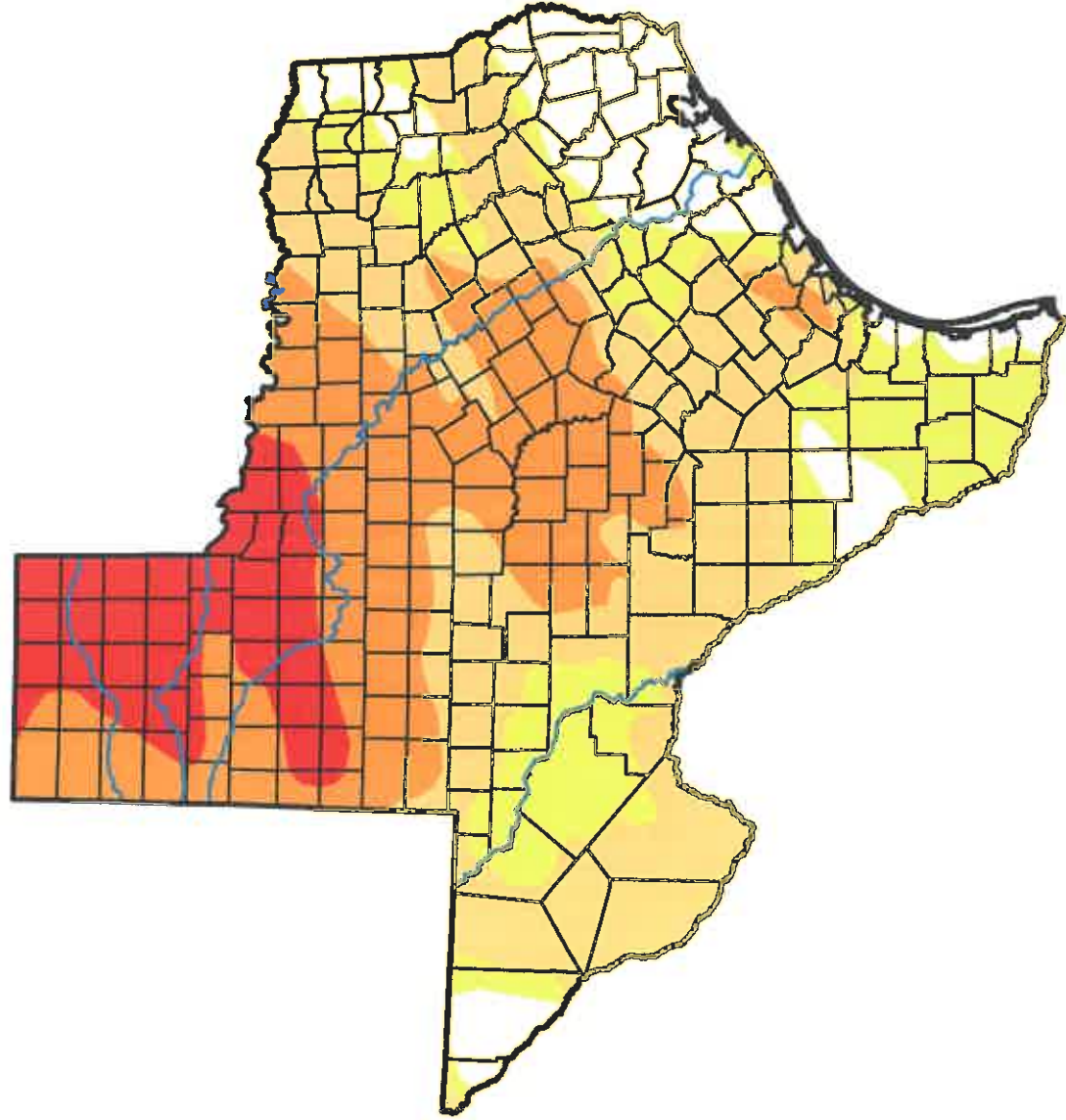
Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Deborah Bathke
 National Drought Mitigation Center



U.S. Drought Monitor Texas

March 27, 2018
 (Released Thursday, Mar. 29, 2018)
 Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	26.19	73.81	64.23	28.30	15.08	1.21
Last Week 03-20-2018	25.50	74.50	61.14	25.84	15.08	0.00
3 Months Ago 12-26-2017	37.16	62.84	32.93	2.90	0.11	0.00
Start of Calendar Year 01-02-2018	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year 09-26-2017	70.54	29.46	4.17	0.04	0.00	0.00
One Year Ago 03-28-2017	55.06	44.94	8.67	0.40	0.00	0.00

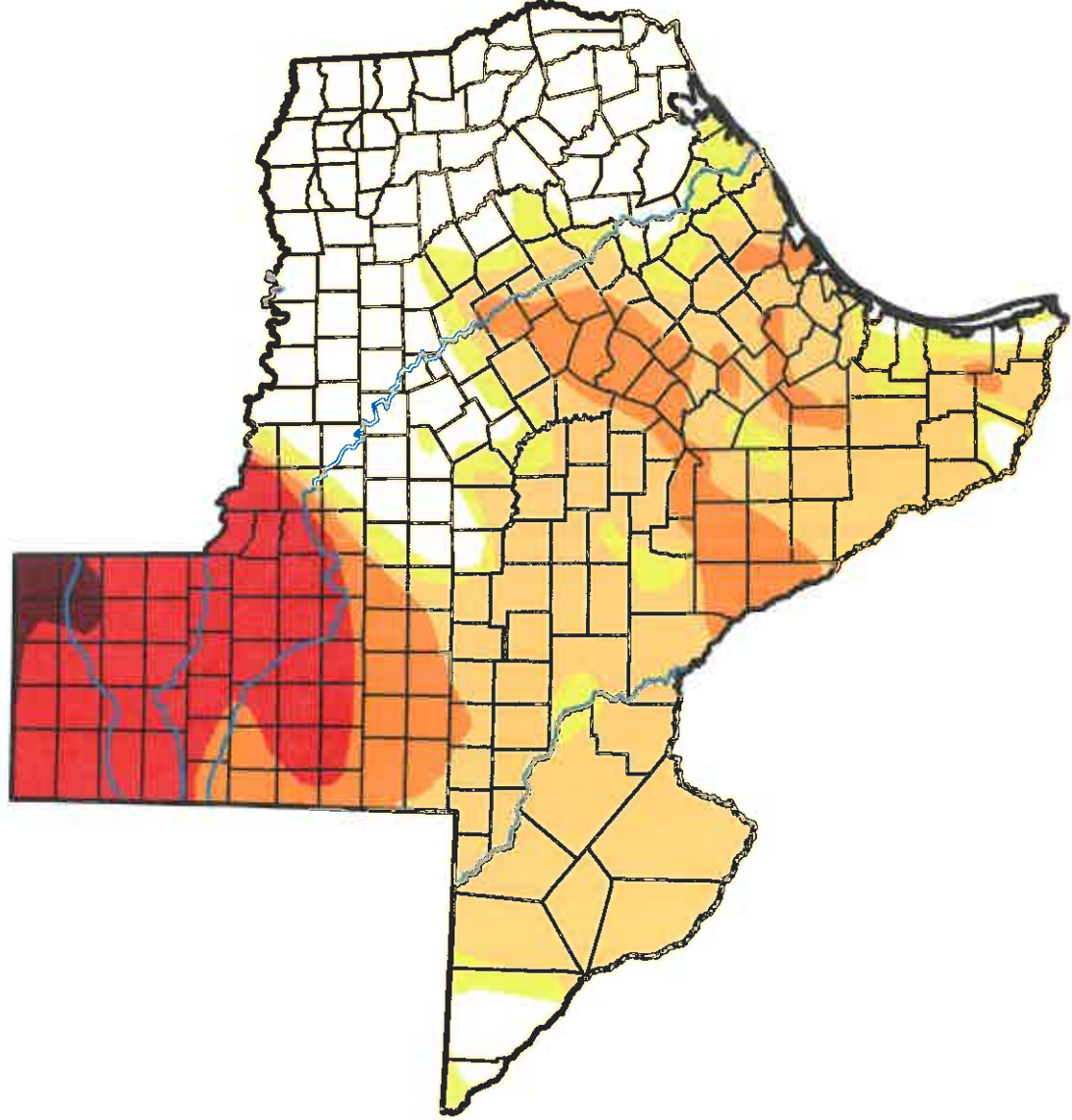
Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

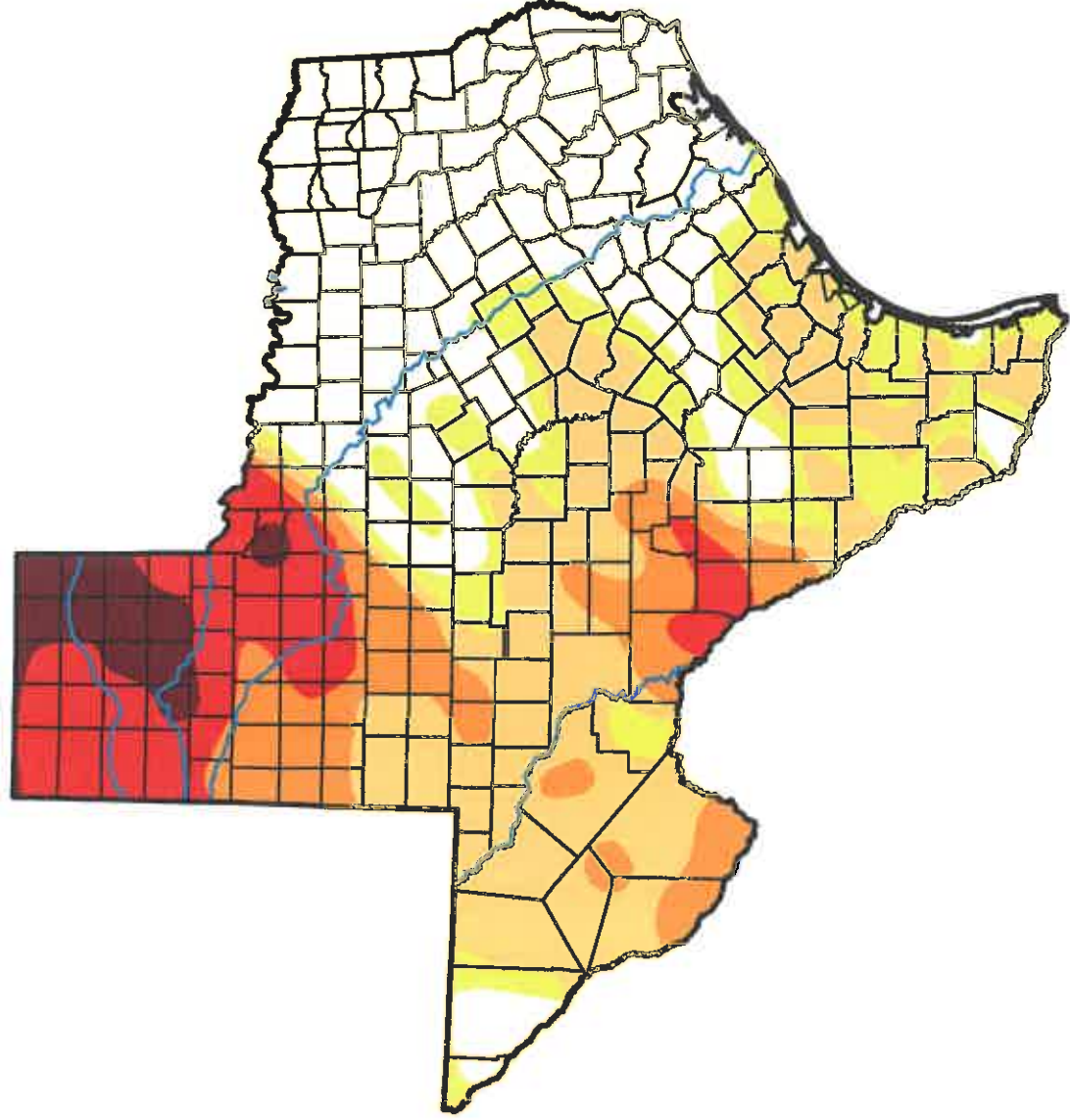
Author:

Chris Fenimore
 NCEI/NESDIS/NOAA



U.S. Drought Monitor Texas

April 24, 2018
 (Released Thursday, Apr. 26, 2018)
 Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	33.36	66.64	53.23	26.26	14.54	3.88
Last Week 04-17-2018	35.09	64.91	49.47	23.58	13.70	4.37
3 Months Ago 01-23-2018	14.50	85.50	49.49	17.14	4.25	0.00
Start of Calendar Year 01-02-2018	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year 09-26-2017	70.54	29.46	4.17	0.04	0.00	0.00
One Year Ago 04-25-2017	90.58	9.42	1.34	0.00	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
 Brad Rippey
 U.S. Department of Agriculture

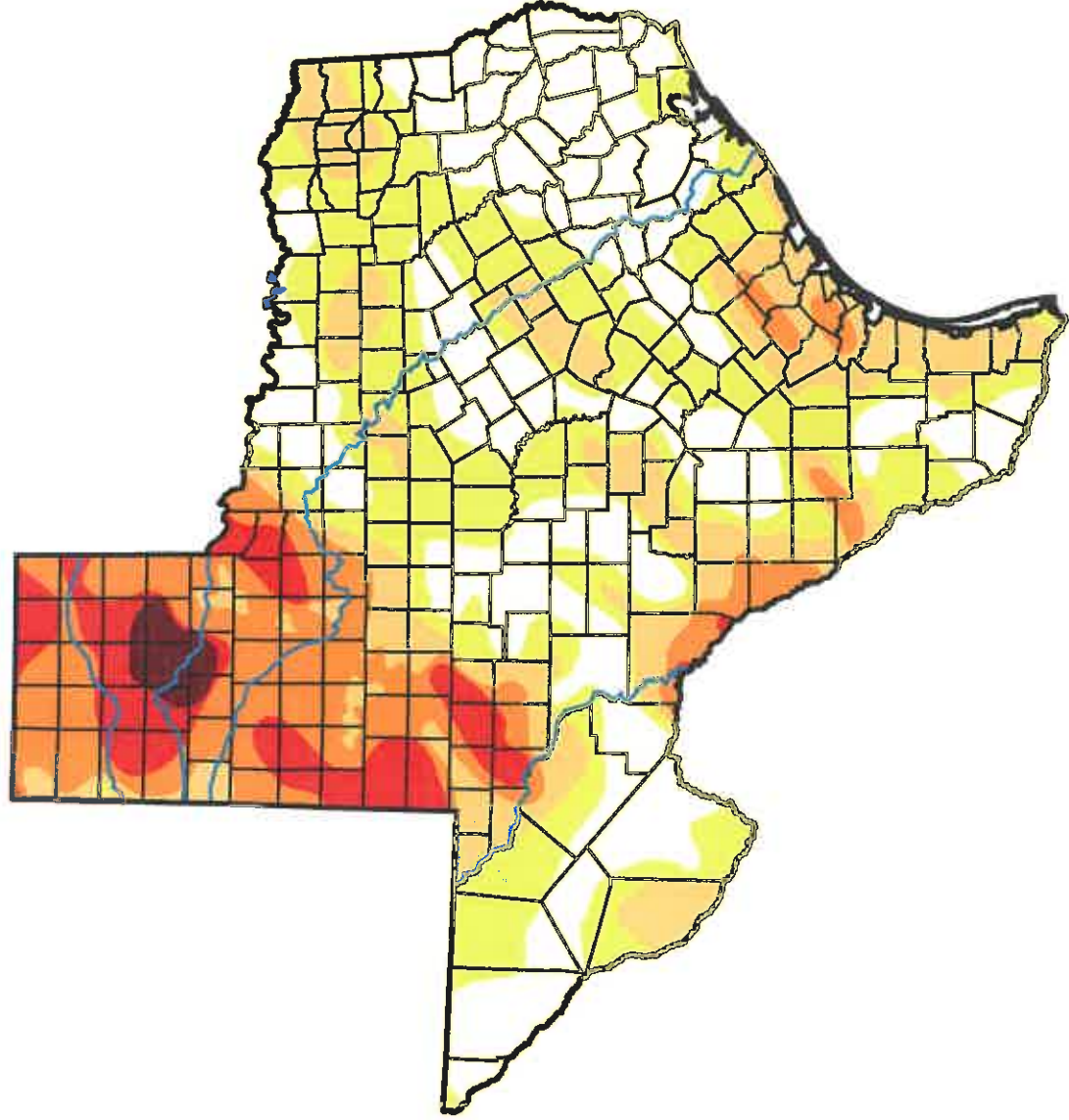


U.S. Drought Monitor Texas

May 29, 2018

(Released Thursday, May. 31, 2018)

Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	31.26	68.74	40.06	21.93	7.82	1.17
Last Week <i>05-22-2018</i>	37.32	62.68	40.53	22.46	9.20	2.54
3 Months Ago <i>02-27-2018</i>	22.75	77.25	55.19	22.04	11.47	0.00
Start of Calendar Year <i>01-02-2018</i>	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year <i>09-26-2017</i>	70.54	29.46	4.17	0.04	0.00	0.00
One Year Ago <i>05-30-2017</i>	65.50	34.50	3.70	0.00	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Anthony Artusa
NOAA/NWS/NCEP/CPC

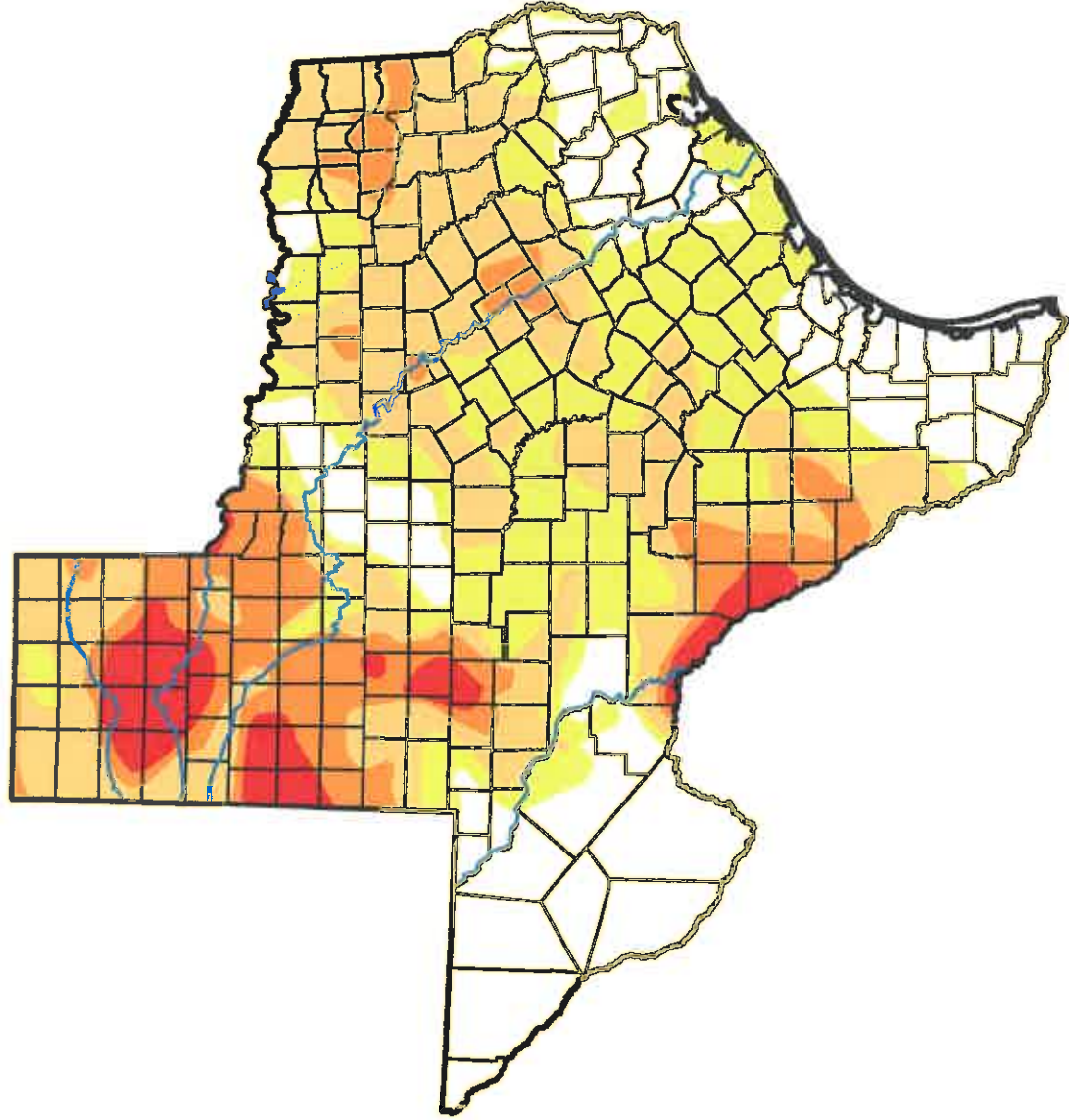


U.S. Drought Monitor Texas

June 26, 2018

(Released Thursday, Jun. 28, 2018)

Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	27.33	72.67	47.80	17.91	5.07	0.00
Last Week 06-19-2018	25.97	74.03	47.12	18.88	3.78	0.64
3 Months Ago 03-27-2018	26.19	73.81	64.23	28.30	15.08	1.21
Start of Calendar Year 01-02-2018	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year 09-26-2017	70.54	29.46	4.17	0.04	0.00	0.00
One Year Ago 06-27-2017	76.48	23.52	5.98	0.61	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

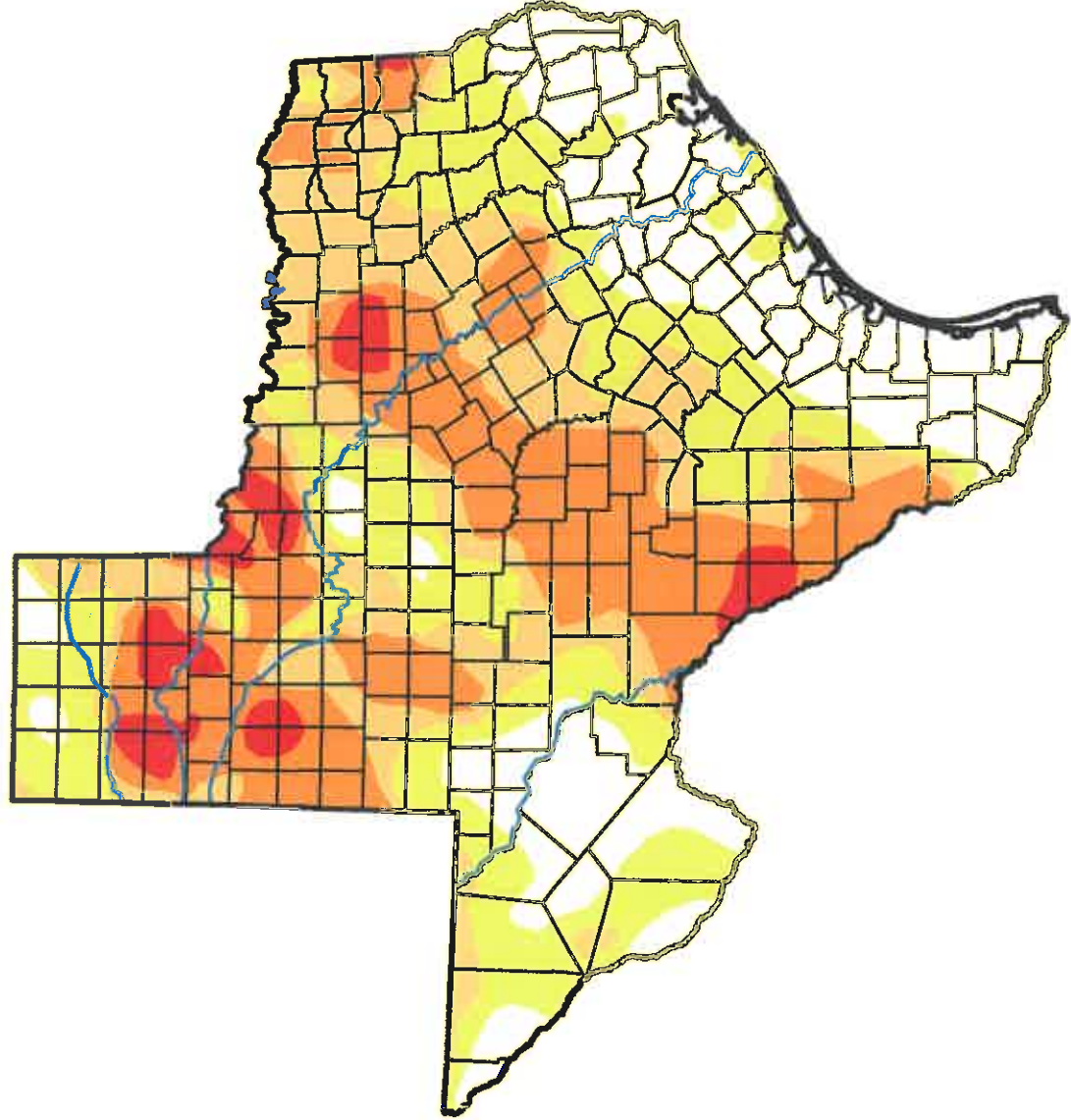
Author:

Richard Heim
NCEI/NOAA



U.S. Drought Monitor Texas

July 24, 2018
 (Released Thursday, Jul. 26, 2018)
 Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	24.54	75.46	50.13	28.15	4.32	0.00
Last Week 07-17-2018	27.67	72.33	45.81	18.78	3.38	0.00
3 Months Ago 04-24-2018	33.36	66.64	53.23	26.26	14.54	3.88
Start of Calendar Year 01-02-2018	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year 09-26-2017	70.54	29.46	4.17	0.04	0.00	0.00
One Year Ago 07-25-2017	75.04	24.96	8.99	1.26	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

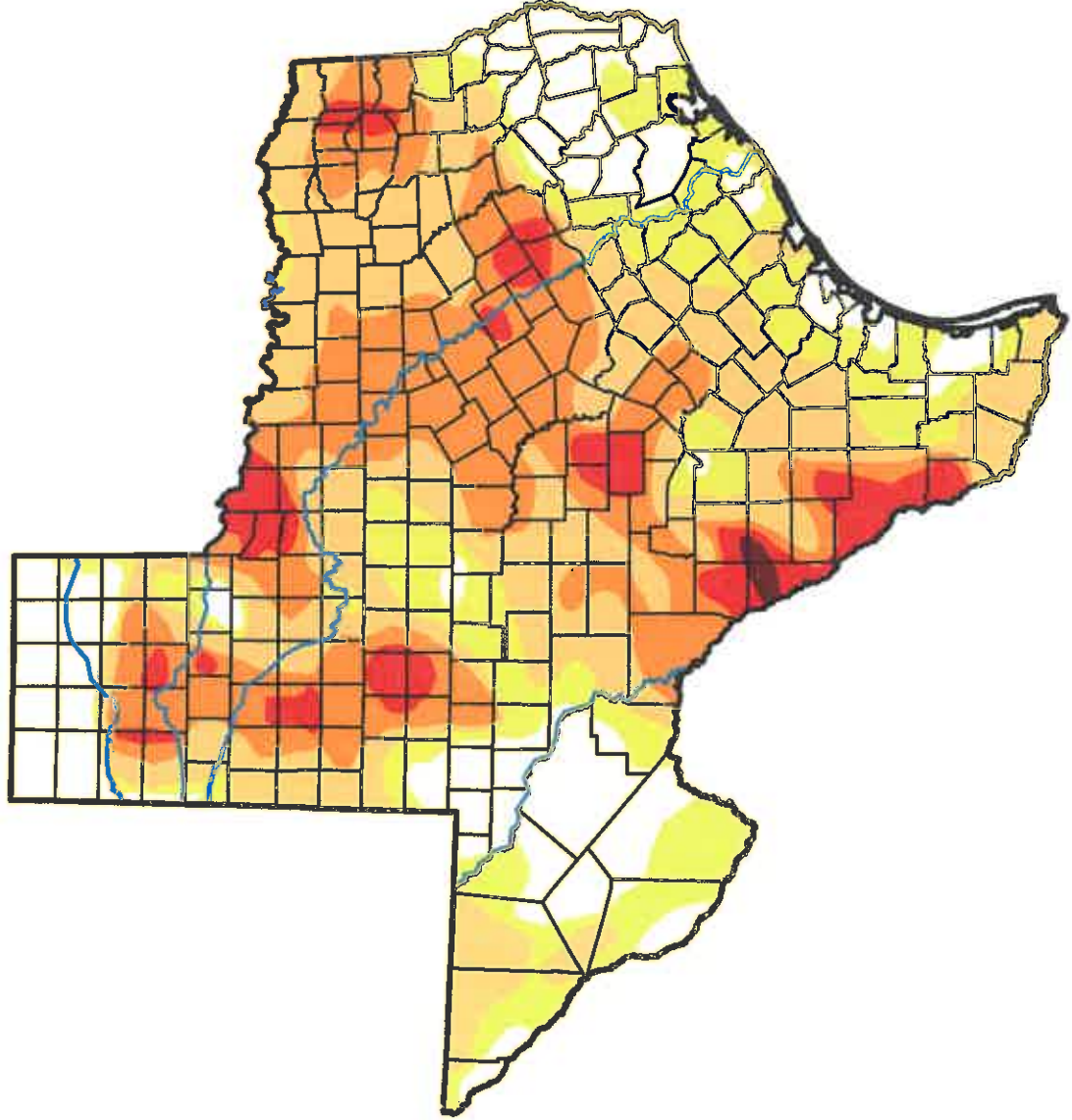
Author:

Chris Fenimore
 NCEI/NESDIS/NOAA



U.S. Drought Monitor Texas

August 28, 2018
 (Released Thursday, Aug. 30, 2018)
 Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	18.56	81.44	62.34	30.69	6.78	0.30
Last Week 08-21-2018	18.99	81.01	59.88	28.00	5.22	0.30
3 Months Ago 05-29-2018	31.26	68.74	40.06	21.93	7.82	1.17
Start of Calendar Year 01-02-2018	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year 09-26-2017	70.54	29.46	4.17	0.04	0.00	0.00
One Year Ago 08-29-2017	96.14	3.86	0.87	0.00	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Jessica Blunden
 NCEI/NOAA



U.S. Drought Monitor Texas

September 25, 2018
 (Released Thursday, Sep. 27, 2018)
 Valid 8 a.m. EDT

Drought Conditions (Percent Area)

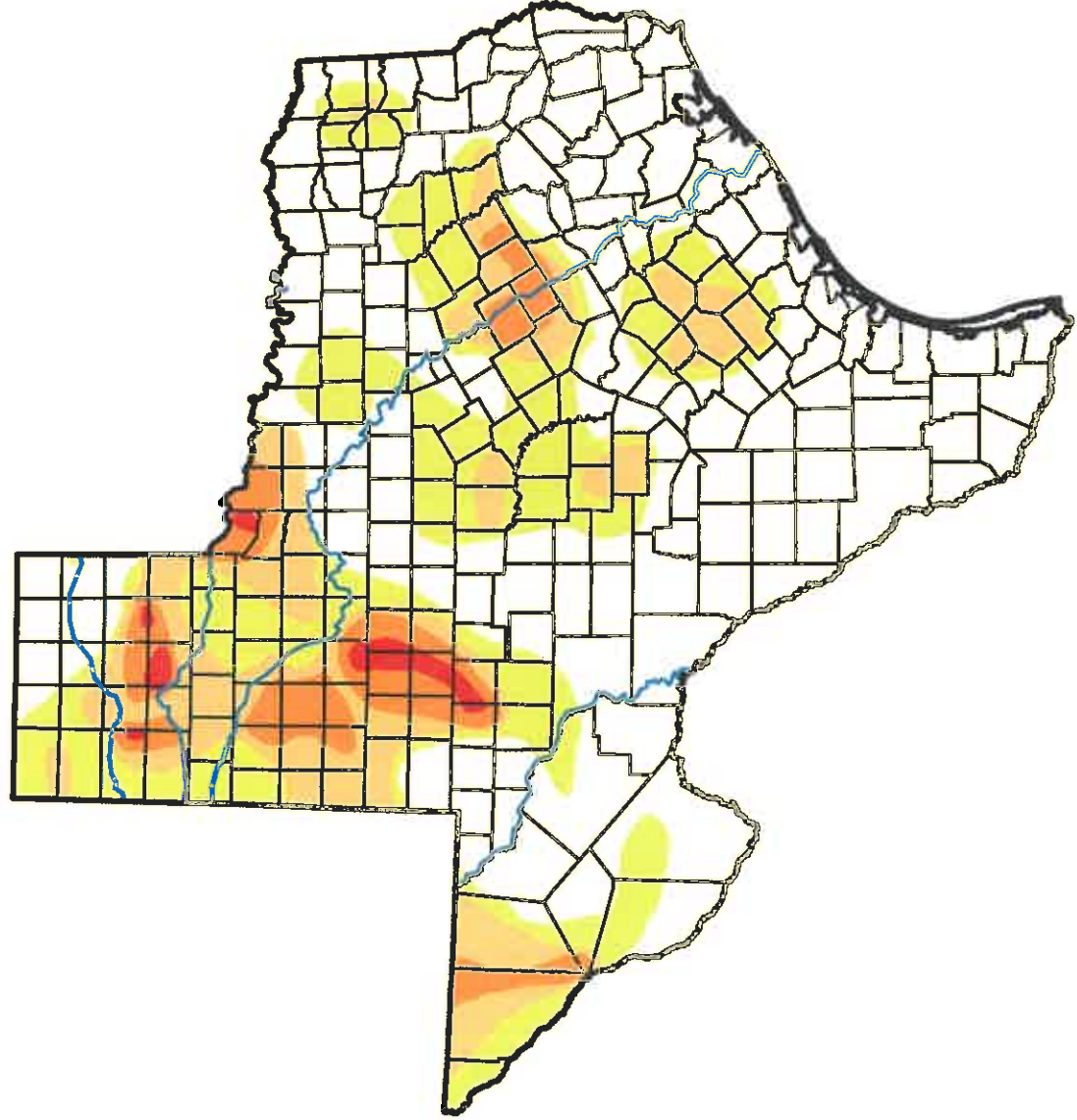
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	57.46	42.54	20.19	7.03	0.96	0.00
Last Week 09-18-2018	39.87	60.13	28.85	9.26	2.43	0.10
3 Months Ago 06-26-2018	27.33	72.67	47.80	17.91	5.07	0.00
Start of Calendar Year 01-02-2018	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year 09-26-2017	70.54	29.46	4.17	0.04	0.00	0.00
One Year Ago 09-26-2017	70.54	29.46	4.17	0.04	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

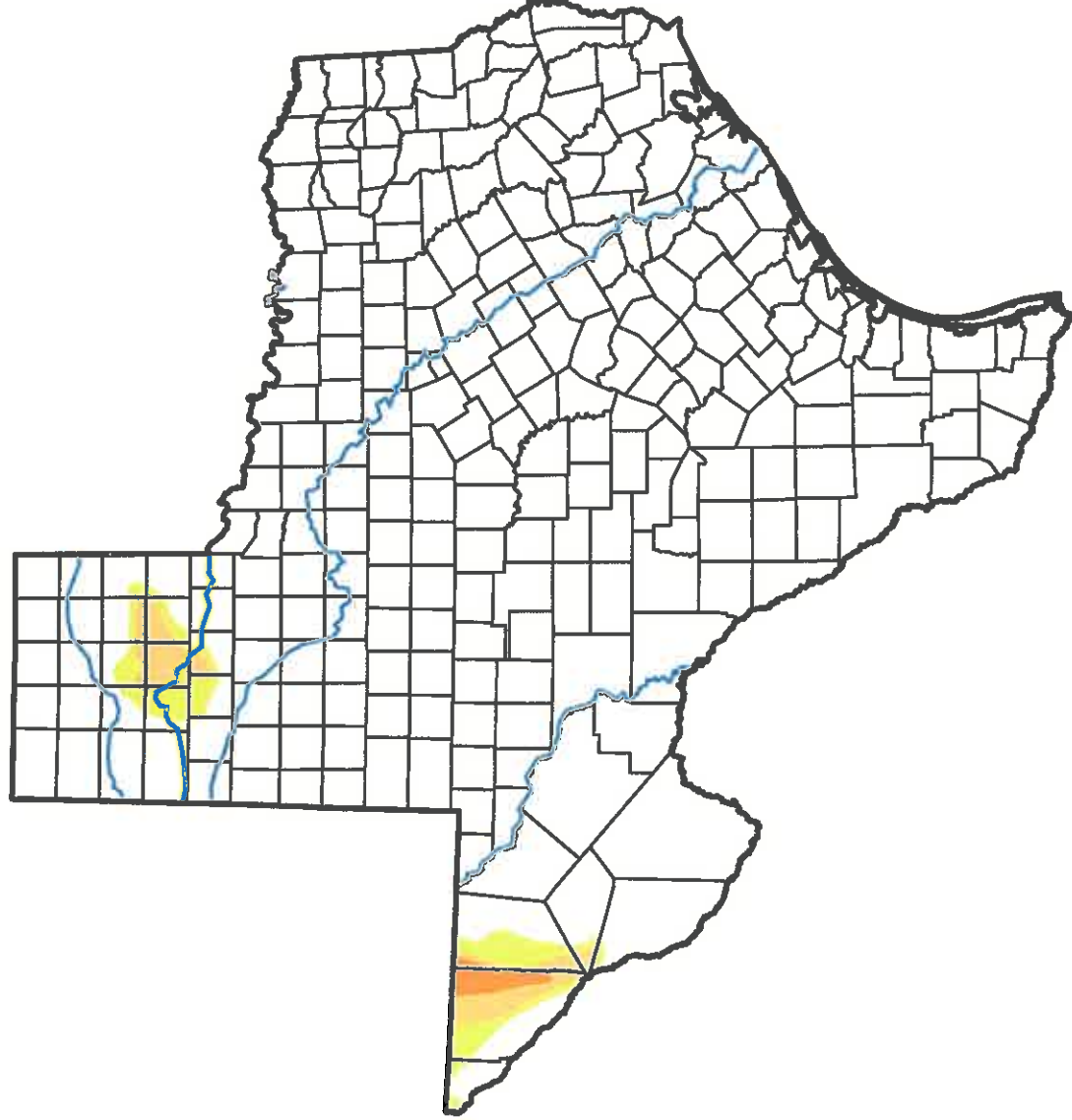
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
 Jessica Blunden
 NCEI/NOAA



U.S. Drought Monitor Texas

October 30, 2018
 (Released Thursday, Nov. 1, 2018)
 Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	96.15	3.85	1.84	0.43	0.00	0.00
Last Week 10-23-2018	93.19	6.81	3.62	1.72	0.42	0.00
3 Months Ago 07-31-2018	21.82	78.18	59.26	35.93	8.48	0.00
Start of Calendar Year 01-02-2018	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year 09-25-2018	57.46	42.54	20.19	7.03	0.96	0.00
One Year Ago 10-31-2017	71.18	28.82	2.52	0.11	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Deborah Bathke
 National Drought Mitigation Center



U.S. Drought Monitor Texas

November 27, 2018
 (Released Thursday, Nov. 29, 2018)
 Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	97.73	2.27	0.80	0.00	0.00	0.00
Last Week 11-20-2018	97.73	2.27	0.80	0.00	0.00	0.00
3 Months Ago 08-28-2018	18.56	81.44	62.34	30.69	6.78	0.30
Start of Calendar Year 01-02-2018	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year 09-25-2018	57.46	42.54	20.19	7.03	0.96	0.00
One Year Ago 11-28-2017	28.73	71.27	35.11	5.50	0.00	0.00

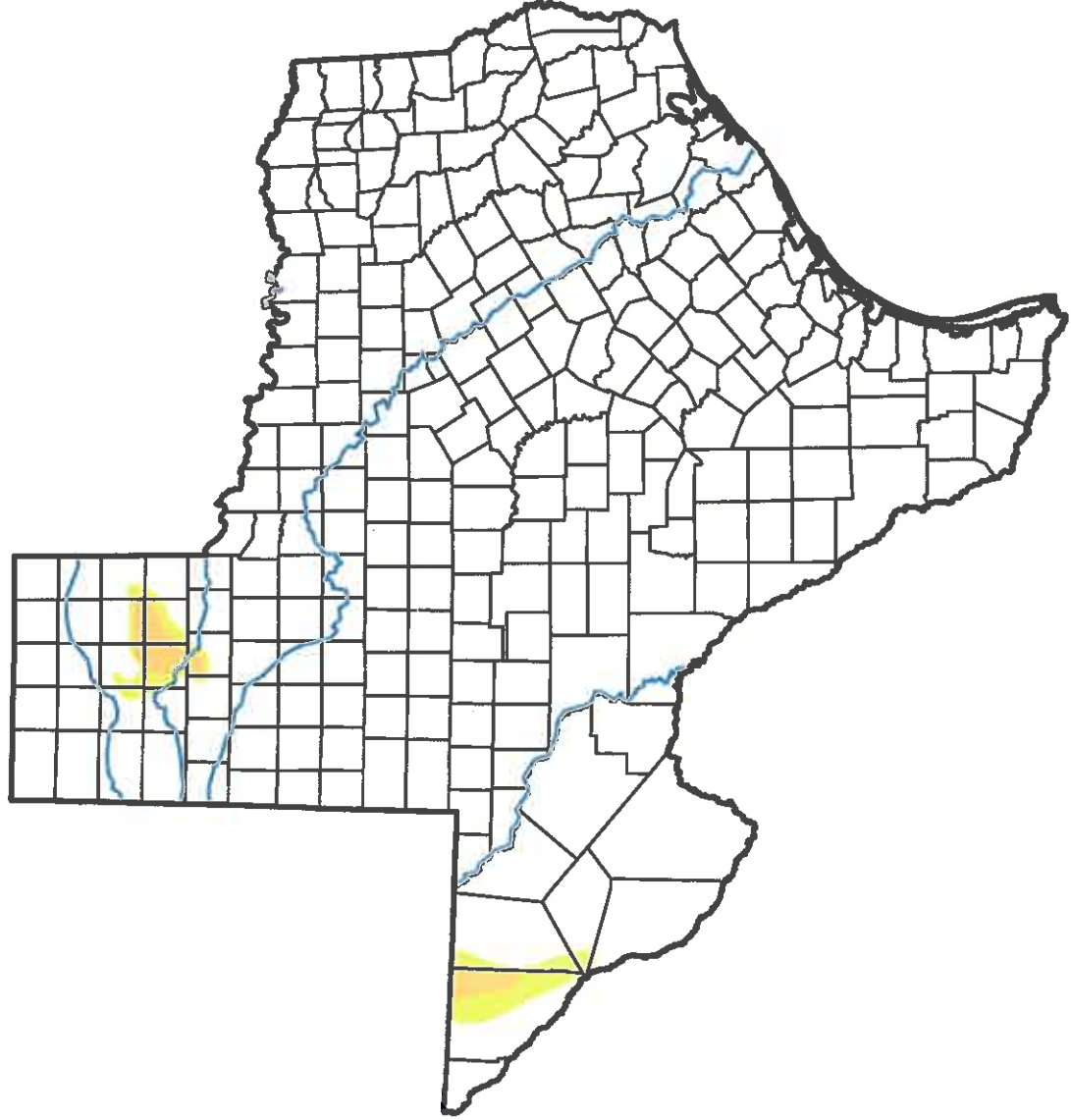
Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions.
 Local conditions may vary. See accompanying text summary
 for forecast statements.

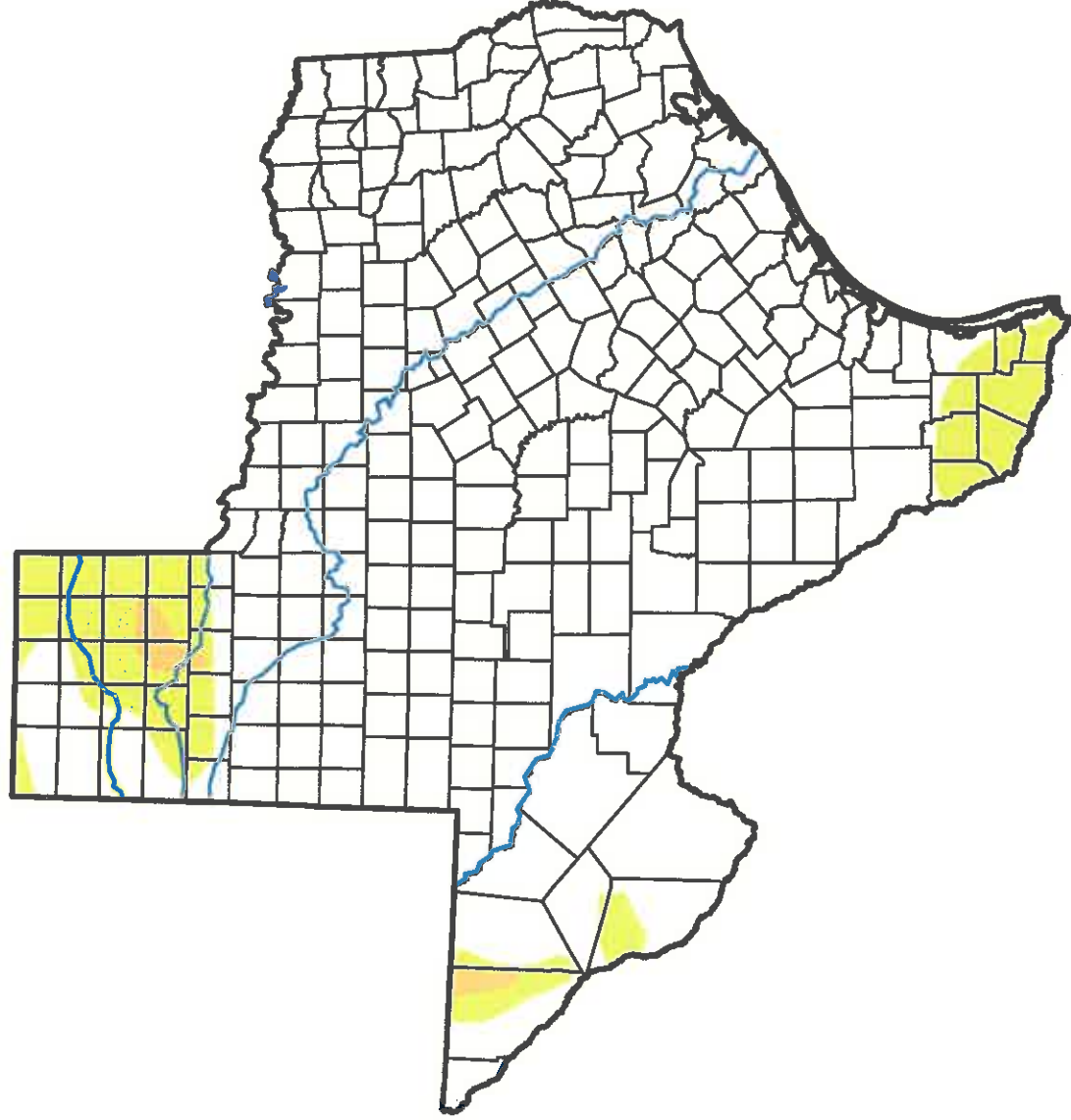
Author:

Richard Heim
 NCEI/NOAA



U.S. Drought Monitor Texas

December 25, 2018
 (Released Thursday, Dec. 27, 2018)
 Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	90.02	9.98	0.80	0.00	0.00	0.00
Last Week 12-18-2018	94.51	5.49	0.80	0.00	0.00	0.00
3 Months Ago 09-25-2018	57.46	42.54	20.19	7.03	0.96	0.00
Start of Calendar Year 01-02-2018	33.37	66.63	33.56	5.94	0.11	0.00
Start of Water Year 09-25-2018	57.46	42.54	20.19	7.03	0.96	0.00
One Year Ago 12-26-2017	37.16	62.84	32.93	2.90	0.11	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
 Richard Tinker
 CPC/NOAA/NWS/NCEP



ATTACHMENT H

Annual Financial Report

**NORTH TEXAS GROUNDWATER
CONSERVATION DISTRICT**

ANNUAL FINANCIAL REPORT

DECEMBER 31, 2017

**NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT
FOR THE YEAR ENDED DECEMBER 31, 2017
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Members:
AMERICAN INSTITUTE OF
CERTIFIED PUBLIC
ACCOUNTANTS
TEXAS SOCIETY OF CERTIFIED
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**HANKINS, EASTUP, DEATON,
TONN & SEAY**
A PROFESSIONAL CORPORATION
CERTIFIED PUBLIC ACCOUNTANTS

902 NORTH LOCUST
P.O. BOX 977
DENTON, TX 76202-0977
TEL. (940) 387-8563
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INDEPENDENT AUDITORS' REPORT

Members of the Board of Directors
North Texas Groundwater Conservation District
5100 Airport Drive
Denison, TX 75020

We have audited the accompanying financial statements of the governmental activities and each major fund of North Texas Groundwater Conservation District (the "District"), as of and for the year ended December 31, 2017, and the related notes to the financial statements, which collectively comprise the District's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America. This includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express opinions on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standard* issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities and each major fund of North Texas Groundwater Conservation District as of December 31, 2017, and the respective changes in financial position and the respective budgetary comparison for the General Fund for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the *management's discussion and analysis* on pages 4 through 8 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise North Texas Groundwater Conservation District's basic financial statements. The other supplementary information listed in the table of contents is presented for purposes of additional analysis and is not a required part of the basic financial statements. The other supplementary information is the responsibility of management and was derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the other supplementary information is fairly stated in all material respects in relation to the basic financial statements as a whole.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated May 29, 2018 on our consideration of North Texas Groundwater Conservation District's internal control over financial reporting and on our test of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering North Texas Groundwater Conservation District's internal control over financial reporting and compliance.



Hankins, Eastup, Deaton, Tonn & Seay, PC
Denton, Texas

May 29, 2018

MANAGEMENT'S DISCUSSION & ANALYSIS

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

MANAGEMENT'S DISCUSSION AND ANALYSIS DECEMBER 31, 2017

As management of North Texas Groundwater Conservation District, we offer readers of the District's financial statement this narrative overview and analysis of the financial activities of the District for the year ended December 31, 2017. Please read this narrative in conjunction with the independent auditors' report on page 1, and the District's Basic Financial Statements that begin on page 10.

FINANCIAL HIGHLIGHTS

- The assets of North Texas Groundwater Conservation District exceeded its liabilities at the close of the fiscal year by \$1,463,997 (Total Net Position). Of this amount, \$1,457,162 is unrestricted and may be used to meet the District's ongoing obligations and responsibilities to taxpayers and creditors.
- The District's net position increased by \$174,920, from \$1,289,077 in the prior year to \$1,463,997 as of December 31, 2017.
- At December 31, 2017, the District had a \$1,457,162 total fund balance in its General Fund, representing a \$178,730 or 14% increase from the \$1,278,432 fund balance in the previous year. \$628,269 of the fund balance is unassigned, constituting 122% of the \$513,623 in non-debt service General Fund expenditures for the year.

OVERVIEW OF THE FINANCIAL STATEMENTS

The management discussion and analysis is intended to serve as an introduction to North Texas Groundwater Conservation District's basic financial statements. The District's basic financial statements are comprised of three components: 1) government-wide financial statements, 2) fund financial statements, and 3) notes to the financial statements. This report also contains other supplementary information in addition to the basic financial statements themselves.

Government-wide Financial Statements: The government-wide financial statements are designed to provide readers with a broad overview of the District's finances, in a manner similar to a private-sector business.

The Statement of Net Position presents information on all of North Texas Groundwater Conservation District's assets and liabilities, with the difference between the two reported as net position. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the District is improving or deteriorating. Evaluation of the overall economic health of the District would extend to other nonfinancial factors such as diversification of the taxpayer base or the condition of District infrastructure in addition to the financial information provided in this report.

The Statement of Activities presents information showing how the District's net position changed during the fiscal year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of related cash flows. An important purpose of the design of the statement of activities is to show the financial reliance of the District's distinct activities or functions on revenues provided by the District's taxpayers.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

MANAGEMENT'S DISCUSSION AND ANALYSIS DECEMBER 31, 2017

The purpose of the District is to help accomplish the objectives set forth in Article XVI, Section 59 of the Texas Constitution related to the conservation and development of water resources of the State of Texas. With many other governmental entities, the aforementioned government-wide financial statements normally identify and distinguish between either governmental activities supported by general revenues and fees or business-type activities which are typically self-supported by user fees and charges. Both government-wide financial statements consist of one government fund principally supported by groundwater usage fees. The District has no business-type activities.

The governmental-wide financial statements can be found on pages 10 and 11 of this report.

Fund Financial Statements: A fund is a grouping of related accounts used to maintain control over resources that have been segregated for specific activities or objectives. Depending upon their reporting needs and requirements, governmental entities utilize three types of funds, including governmental funds, proprietary funds, and fiduciary funds. The North Texas Groundwater Conservation District uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. Since the District has no legitimate need or requirement to have either proprietary or fiduciary funds, all of its funds are maintained and reported as governmental funds.

Governmental funds are used to account for essentially the same functions reported as governmental activities in the government-wide financial statements. However, unlike the government-wide financial statements, governmental fund financial statements focus on near-term inflows and outflows of spendable resources, as well as on balances of spendable resources available at the end of the fiscal year. Such information may be useful in evaluating a government's near-term financing requirements.

Because the focus of governmental funds is narrower than that of the government-wide financial statements, it is useful to compare the information presented for governmental funds with similar information presented for governmental activities in the government-wide financial statements. By doing so, the reader may better understand the long-term impact of the government's near-term financing decisions. Both the governmental fund balance sheet and the governmental fund statement of revenues, expenditures, and changes in fund balances provide a reconciliation to facilitate this comparison between governmental funds and governmental activities.

The District maintains a single governmental fund, its General Fund. The General Fund is used to account for the acquisition and use of the District's spendable financial resources and the related liabilities.

The government fund financial statements can be found on pages 12 and 14 of this report.

The District adopts an annual appropriated budget for its General Fund. A budgetary comparison statement has been provided for the General Fund to demonstrate compliance with this budget. It can be found in the "Basic Financial Statements" section of this report.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

**MANAGEMENT'S DISCUSSION AND ANALYSIS
DECEMBER 31, 2017**

Notes to the Basic Financial Statements: The notes provide additional information that is essential to a full understanding of the data provided in the government-wide and fund financial statements. The notes to the financial statements can be found on pages 17-24 of this report.

Other Information: In addition to the basic financial statements and accompanying notes, this report also presents certain other supplementary information. Supplementary information follows the notes to the financial statements.

GOVERNMENT-WIDE FINANCIAL ANALYSIS

Net Position: As noted earlier, net position may serve over time as a useful indicator of a government's financial position. As of December 31, 2017, the North Texas Groundwater Conservation District's assets exceeded liabilities by \$1,463,997.

At December 31, 2017, \$1,535,218 in total assets were recorded. Of that amount, current and other assets (cash, receivables, and prepaid expenses) represented 99.6% and capital assets (vehicle and equipment) constituted 0.4%.

Total liabilities at year end equaled \$71,221, none of which consisted of long-term debt.

Of the \$1,463,997 in total net position, 0.5% or \$6,835 is in capital assets. The District uses these capital assets to carry out its responsibilities and to provide information and services to citizens and the taxpayers which support the District. Capital assets are non-liquid and cannot be used to satisfy District obligations. The unrestricted net position total of \$1,457,162 may be used to meet the District's ongoing obligations and responsibilities.

Net Position

	<u>Governmental Activities</u>	
	<u>2017</u>	<u>2016</u>
Assets:		
Current assets	\$ 1,528,383	\$ 1,331,746
Capital assets (net of depreciation)	6,835	10,645
Total Assets	<u>1,535,218</u>	<u>1,342,391</u>
Liabilities:		
Current liabilities	71,221	53,314
Long-term liabilities	-	-
Total Liabilities	<u>71,221</u>	<u>53,314</u>
Net Position:		
Net investment in capital assets	6,835	10,645
Unrestricted	<u>1,457,162</u>	<u>1,278,432</u>
Total Net Position	<u>\$ 1,463,997</u>	<u>\$ 1,289,077</u>

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

**MANAGEMENT'S DISCUSSION AND ANALYSIS
DECEMBER 31, 2017**

Governmental Activities: The following table provides a summary of the District's operations for the years ended December 31, 2017 and 2016.

Changes in Net Position	<u>2017</u>	<u>2016</u>
Program Revenues:		
Charges for Services	\$ 688,319	\$ 722,388
General Revenues:		
Interest Income	<u>4,034</u>	<u>2,042</u>
Total Revenues	<u>692,353</u>	<u>724,430</u>
Expenditures By Governmental Activity:		
Administration	517,433	442,507
Debt Service - interest	<u>-</u>	<u>(7,518)</u>
Total Expenditures	<u>517,433</u>	<u>434,989</u>
Change In Net Position	174,920	289,441
Net Position – Beginning	<u>1,289,077</u>	<u>999,636</u>
Net Position – Ending	<u>\$ 1,463,997</u>	<u>\$ 1,289,077</u>

FINANCIAL ANALYSIS OF GOVERNMENTAL FUNDS

Governmental Funds: The focus of North Texas Groundwater Conservation District's governmental funds is to provide information on near-term inflows, outflows, and balances of spendable resources. Such information is useful in assessing the District's financing and budgeting requirements. In particular, the unassigned fund balance may serve as a useful measure of the District's net resources available for spending at the end of the fiscal year.

At December 31, 2017, the District has a \$1,457,162 total fund balance. This is 14% higher than the \$1,278,432 prior-year fund balance – primarily due to no debt service loan repayments in 2017. \$825,000 of the fund balance is committed for various purposes identified by the Board and \$628,269 of the fund balance is unassigned.

General Fund Budgetary Highlights: There was one amendment to the originally adopted budget during the year. Actual expenditures for the year ended December 31, 2017 were \$513,623, that being \$76,777 or 13% less than the \$590,400 budgeted for the year. Actual expenditures were under budget primarily due to fewer personnel costs than were budgeted.

Actual revenues for the year were \$692,353 or 89.7% of the budgeted revenues for the year, primarily due to lower than expected groundwater usage fee revenue.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

MANAGEMENT'S DISCUSSION AND ANALYSIS DECEMBER 31, 2017

CAPITAL ASSET AND DEBT ADMINISTRATION

Capital Assets: The District's investment in capital assets for its governmental activities as of December 31, 2017 amounted to \$6,835 (net of accumulated depreciation). This represents a \$3,810 decrease from the previous fiscal year. There were no capital asset additions during the year. The following table portrays the District's mix of capital assets at December 31, 2017:

Vehicles	\$ 1,582
Equipment	<u>5,253</u>
	<u>\$ 6,835</u>

Debt Administration: At the end of the year, the District had no long-term debt.

ECONOMIC FACTORS AND NEXT YEAR'S BUDGET AND RATES

For fiscal year 2018 the District's latest adopted budget shows total anticipated expenditures of \$552,600, a \$38,977 increase from total actual expenditures of \$513,623 in fiscal year 2017. The majority of the increase is attributable to an expected increase in personnel costs. Rates assessed groundwater users are not expected to increase for fiscal year 2018.

REQUEST FOR INFORMATION

This financial report is designed to provide a general overview of the District's finances, comply with finance-related laws and regulations, and demonstrate the District's commitment to public accountability. If you have any questions about this report or would like to request additional information, contact Drew Satterwhite, General Manager of the District, at 5100 Airport Drive, Denison, TX 75020, (855) 426-4433.

BASIC FINANCIAL STATEMENTS

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

**STATEMENT OF NET POSITION
DECEMBER 31, 2017**

	<u>Governmental Activities</u>
<u>Assets</u>	
Current Assets:	
Cash and Cash Equivalents	\$ 349,845
Investments	1,000,000
Accounts Receivable	155,200
Other Receivables	19,445
Prepaid Expenses	3,893
Total Current Assets	<u>1,528,383</u>
 Capital Assets:	
Vehicle and Equipment, net	6,835
Total Capital Assets	<u>6,835</u>
 Total Assets	 <u>1,535,218</u>
 <u>Liabilities</u>	
Current Liabilities:	
Accounts Payable	47,421
Well Driller Deposits	23,800
Total Current Liabilities	<u>71,221</u>
 Total Liabilities	 <u>71,221</u>
 <u>Net Position</u>	
Net Investment in Capital Assets	6,835
Unrestricted	
Unreserved	<u>1,457,162</u>
 Total Net Position	 <u>\$ 1,463,997</u>

The accompanying notes are an integral part of this statement.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

**STATEMENT OF ACTIVITIES
FOR THE YEAR ENDED DECEMBER 31, 2017**

<u>Program Activities</u>	<u>Expenses</u>	<u>Program Revenues</u>		<u>Net (Expenses)</u>
		<u>Charges for Services</u>	<u>Operating Grants and Contributions</u>	<u>Revenue and Changes in Net Position</u>
				<u>Governmental Activities</u>
Governmental activities				
Administration	\$ 517,433	\$ 688,319	\$ -	\$ 170,886
Total Government Activities	<u>517,433</u>	<u>688,319</u>	<u>-</u>	<u>170,886</u>
Total Primary Government	<u>\$ 517,433</u>	<u>\$ 688,319</u>	<u>\$ -</u>	<u>170,886</u>
		General Revenues:		
		Interest income		<u>4,034</u>
		Total General Revenues		<u>4,034</u>
		Change in Net Position		174,920
		Net Position – beginning of year		<u>1,289,077</u>
		Net Position – end of year		<u>\$ 1,463,997</u>

The accompanying notes are an integral part of this statement.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

**BALANCE SHEET
DECEMBER 31, 2017**

	<u>General Fund</u>
<u>Assets</u>	
Current Assets:	
Cash and Cash Equivalents	\$ 349,845
Investments	1,000,000
Accounts Receivable	155,200
Other Receivables	19,445
Prepaid Costs	3,893
Total Current Assets	<u>1,528,383</u>
 Total Assets	 <u>\$ 1,528,383</u>
 <u>Liabilities</u>	
Current Liabilities:	
Accounts Payable	\$ 47,421
Well Driller Deposits	23,800
Total Current Liabilities	<u>71,221</u>
 Total Liabilities	 <u>71,221</u>
 Fund Balance:	
Nonspendable Fund Balance:	
Prepaid Costs	3,893
Committed Fund Balance	825,000
Unassigned Fund Balance	628,269
Total Fund Balances	<u>1,457,162</u>
 Total Liabilities and Fund Balance	 <u>\$ 1,528,383</u>

The accompanying notes are an integral part of this statement.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

RECONCILIATION OF THE GOVERNMENTAL FUND
BALANCE SHEET TO STATEMENT OF NET POSITION
DECEMBER 31, 2017

Total fund balance – governmental fund	\$ 1,457,162
Amounts reported for governmental activities in the statement of net position are different because:	
Capital assets (net of accumulated depreciation) used in governmental activities are not current financial resources and therefore are not reported in the governmental fund balance sheet.	<u>6,835</u>
Total net position - governmental activities	<u>\$ 1,463,997</u>

The accompanying notes are an integral part of this statement.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCE
FOR THE YEAR ENDED DECEMBER 31, 2017

	General Fund
Revenues:	
Groundwater Usage Fees	\$ 646,099
Well Registration Fees	23,600
Well Driller Deposit Forfeitures	9,030
GMA8 Fees	1,849
Interest Earned	4,034
Penalties and Late Charges	7,741
Total Revenues	<u>692,353</u>
Expenditures:	
Administrative - General Manager	51,288
Administrative - Secretarial & Clerical	54,112
Administrative - Project Coordinator	20,292
Field Technicians	108,930
Field Permitting/Geologist	11,692
Consultants	94,660
Accounting and Auditing	26,486
Legal	73,209
Software Maintenance	39,611
Direct Costs Reimbursed	5,263
Insurance	4,478
Vehicle Costs	4,815
Office Rent	2,400
Telephone	2,073
GMA8 Costs	4,417
Legal Notices	2,003
Dues and Subscriptions	2,141
Meetings and Conferences	3,598
Injection Well Monitoring	634
Small Equipment	1,496
Bank Fees	25
Total Expenditures	<u>513,623</u>
Excess of revenues over expenditures and net change in fund balance	178,730
Fund balance at beginning of year	<u>1,278,432</u>
Fund balance at end of year	<u>\$ 1,457,162</u>

The accompanying notes are an integral part of this statement.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

**RECONCILIATION OF THE STATEMENT OF REVENUES,
EXPENDITURES AND CHANGES IN FUND BALANCE OF THE
GOVERNMENTAL FUND TO THE STATEMENT OF ACTIVITIES
YEAR ENDED DECEMBER 31, 2017**

Net change in fund balance – total governmental fund	\$ 178,730
Amounts reported for governmental activities in the statement of activities are different because:	
Depreciation expense on capital assets is reported in the statement of activities, but does not require the use of current financial resources. Therefore, depreciation expense is not reported as expenditures in the governmental funds.	<u>(3,810)</u>
Change in net position of governmental activities	<u>\$ 174,920</u>

The accompanying notes are an integral part of this statement.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

**BUDGETARY COMPARISON SCHEDULE - GENERAL FUND
FOR THE YEAR ENDED DECEMBER 31, 2017**

	Budget		Actual	Variance Positive/ (Negative)
	Original	Final		
Revenues:				
Groundwater Usage Fees	\$ 746,000	\$ 746,000	\$ 646,099	\$ (99,901)
Well Registration Fees	10,000	10,000	23,600	13,600
Well Driller Deposit Forfeitures	-	-	9,030	9,030
GMA8 Fees	10,000	10,000	1,849	(8,151)
Interest Earned	1,000	1,000	4,034	3,034
Penalties and Late Charges	4,500	4,500	7,741	3,241
Total Revenues	771,500	771,500	692,353	(79,147)
Expenditures:				
Administrative - General Manager	50,000	50,000	51,288	(1,288)
Administrative - Secretarial & Clerical	68,000	68,000	54,112	13,888
Administrative - Project Coordinator	8,500	8,500	20,292	(11,792)
Field Technicians	120,000	120,000	108,930	11,070
Consultants	95,000	95,000	94,660	340
Field Permitting/Geologist	70,000	70,000	11,692	58,308
Accounting and Auditing	25,400	25,400	26,486	(1,086)
Legal	80,000	85,000	73,209	11,791
Software Maintenance	30,000	30,000	39,611	(9,611)
Direct Costs Reimbursed	4,000	4,000	5,263	(1,263)
Insurance	5,000	5,000	4,478	522
Vehicle Costs	5,400	5,400	4,815	585
Office Rent	2,400	2,400	2,400	-
Telephone	2,000	2,000	2,073	(73)
GMA8 Costs	11,000	11,000	4,417	6,583
Legal Notices	1,000	1,000	2,003	(1,003)
Dues and Subscriptions	2,000	2,000	2,141	(141)
Meetings and Conferences	3,000	3,000	3,598	(598)
Injection Well Monitoring	700	700	634	66
Small Equipment	2,000	2,000	1,496	504
Bank Fees	-	-	25	(25)
Total Expenditures	585,400	590,400	513,623	76,777
Excess of revenues over expenditures and net change in fund balance	186,100	181,100	178,730	(2,370)
Fund balance at beginning of year	1,278,432	1,278,432	1,278,432	-
Fund balance at end of year	\$ 1,464,532	\$ 1,459,532	\$ 1,457,162	\$ (2,370)

The accompanying notes are an integral part of this statement.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

NOTES TO BASIC FINANCIAL STATEMENTS DECEMBER 31, 2017

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

General

The basic financial statements of the North Texas Groundwater Conservation District (District) have been prepared in conformity with accounting principles generally accepted in the United States of America (GAAP) applicable to government units. The Governmental Accounting Standards Board (GASB) is the accepted standard setting body for establishing governmental accounting and financial reporting principles.

The North Texas Groundwater Conservation District (District), is a political subdivision of the State of Texas, created under the authority of Article XVI, Section 59, Texas Constitution, and operating pursuant to the provisions of the Texas Water Code, Chapter 36, and Senate Bill 2497, Acts of the 81st Texas Legislature, Regular Session, 2010. The District encompasses the North Texas counties of Collin, Cooke, and Denton. The Board of Directors (Board), a nine member group constituting an on-going entity, is the level of government which has governance responsibilities over all activities within the jurisdiction of the District. The Board is not included in any other governmental "reporting entity" as defined in Section 2100, Codification of Governmental Accounting and Reporting Standards, since Board members are appointed, have decision making authority, the power to designate management, the responsibility to significantly influence operations and primary accountability for fiscal matters. The purpose of the District is to help accomplish the objectives set for in Article XVI, Section 59 of the Texas Constitution related to the conservation and development of water resources of the State of Texas.

Reporting Entity

In evaluating how to define the District, for financial reporting purposes, management has considered all potential component units. The decision not to include a potential component unit in the reporting entity was made by applying the criterion set forth in GAAP. The basic but not the only criterion for including a potential component unit within the reporting entity is the governing body's ability to exercise oversight responsibility. The most significant manifestation of this ability is financial interdependency. Other manifestations of the ability to exercise oversight responsibility include, but are not limited to, the selection of governing authority, the designation of management, the ability to influence operations and accountability for fiscal matters. The other criterion used to evaluate potential component units for inclusion or exclusion from the reporting entity is the existence of special financing relationships, regardless of whether the District is able to exercise oversight responsibilities. Based upon the application of these criteria, no potential component units have been included in this report. The District has no ability to exercise influence or control any other government unit's operations, budgets, or funding.

Basis of Presentation

The government-wide financial statements (the statement of net position and the statement of activities) report information on all of the activities of the District. Governmental activities, which normally are supported by taxes, intergovernmental revenues, and other non-exchange transactions are reported separately from business-type activities, which rely to a significant extent on fees and charges for support.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

NOTES TO FINANCIAL STATEMENTS (continued)
DECEMBER 31, 2017

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Basis of Presentation – continued

The statement of activities demonstrates the degree to which the direct expenses of a given program are offset by program revenues. Direct expenses are those that are clearly identifiable with a specific program. Program revenues include 1) charges to customers or applicants who purchase, use, or directly benefit from goods, services, or privileges provided by a given program and 2) operating or capital grants and contributions that are restricted to meeting the operational or capital requirements of a particular program. Other items not properly included among program revenues are reported instead as general revenues.

Fund Financial Statements:

The District segregates transactions related to certain functions or activities in separate funds in order to aid financial management and to demonstrate legal compliance. Separate statements are presented for governmental and proprietary activities. These statements present each major fund as a separate column on the fund financial statements; all non-major funds are aggregated and presented in a single column. The District has no proprietary activities, or non-major funds.

Governmental funds are those funds through which most governmental functions typically are financed. The measurement focus of governmental funds is on the sources, uses and balance of current financial resources. The District has presented the following major governmental fund:

General Fund

The General Fund is the main operating fund of the District. This is a budgeted fund and is used to account for the acquisition and use of the District's expendable financial resources and the related liabilities. The measurement focus is based upon determination of changes in financial position rather than upon net income determination.

Measurement Focus/Basis of Accounting

Measurement focus refers to what is being measured; basis of accounting refers to when revenues and expenditures are recognized in the accounts and reported in the financial statements. Basis of accounting relates to the timing of the measurement made, regardless of the measurement focus applied.

The government-wide statements are reported using the economic resources measurement focus and the accrual basis of accounting. The economic resources measurement focus means all assets and liabilities (whether current or non-current) are included on the statement of net position and the operating statements present increases (revenues) and decreases (expenses) in net total position. Under the accrual basis of accounting, revenues are recognized when earned. Expenses are recognized at the time the liability is incurred.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

NOTES TO FINANCIAL STATEMENTS (continued)
DECEMBER 31, 2017

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Measurement Focus/Basis of Accounting – continued

Governmental fund financial statements are reported using the current financial resources measurement focus and are accounted for using the modified accrual basis of accounting. Under the modified accrual basis of accounting, revenues are recognized when susceptible to accrual; i.e., when they become both measurable and available. "Measurable" means the amount of the transaction can be determined and "available" means collectible within the current period or soon enough thereafter to be used to pay liabilities of the current period. For this purpose, the District considers revenues to be available if they are collected within 90 days of the end of the current fiscal year. Expenditures are recorded when the related fund liability is incurred. However, debt service expenditures, as well as expenditures related to compensated absences are recorded only when payment is due.

Assessments are recognized under the susceptible to accrual concept. Interest income is recorded as earned, since it is measurable and available.

Budgetary Data

The District uses the following procedures in establishing the budget reflected in the general purpose financial statements:

1. Prior to the beginning of each fiscal year, the Board of Directors is presented with a proposed budget for the year beginning on the following January 1. The budget includes proposed expenditures and the means of financing them. The budget is legally enacted through passage of a resolution.
2. Public hearings are conducted to obtain citizen's comments.
3. An annual budget is legally adopted for the General Fund. The budget is adopted on a basis consistent with accounting principles generally accepted in the United States of America.
4. Revisions to the budget that alter General Fund expenditures must be approved by the Board of Directors. The fund level is the legal level of budgetary control. Appropriations lapse at year-end.
5. Original budgeted amounts presented in the budgetary comparison schedule are as originally adopted by the Board of Directors. The final amended budget is as amended by the Board during the year.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

NOTES TO FINANCIAL STATEMENTS (continued) DECEMBER 31, 2017

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Capital Assets

Capital assets, which can include land, buildings, vehicles, furniture and equipment, are reported in government-wide financial statements. All capital assets are valued at historical cost or estimated historical cost if actual historical cost is not available. Donated assets are valued at their fair market value on the date donated. Repairs and maintenance are recorded as expenses. Renewals and betterments are capitalized.

Assets capitalized have an original cost of \$500 or more and over one year of useful life. Depreciation has been calculated on each class of depreciable property using the straight-line method. The District's capital assets at December 31, 2017 consist of a vehicle and equipment that are being depreciated over a 7 year estimated useful life.

Cash and Cash Equivalents

The District's cash and cash equivalents are considered to be cash on hand, demand deposits, and short-term investments with original maturities of three months or less from the date of acquisition. Investments are carried at fair value or cost, if maturities are one year or less. Fair value is determined as the price at which two willing parties would complete an exchange.

Fund Balance

The District has implemented GASB Statement No. 54, "Fund Balance Reporting and Governmental Fund Type Definitions." This Statement provides more clearly defined fund balance categories to make the nature and extent of the constraints placed on a government's fund balances more transparent.

Fund Balance Classification: The governmental fund financial statements present fund balances based on classifications that comprise a hierarchy that is based primarily on the extent to which the District is bound to honor constraints on the specific purposes for which amounts in the respective governmental funds can be spent. The classifications used in the governmental fund financial statements are as follows:

- Nonspendable: This classification includes amounts that cannot be spent because they are either (a) not in spendable form or (b) are legally or contractually required to be maintained intact. The District has classified prepaid items as being nonspendable as these items are not expected to be converted to cash.
- Restricted: This classification includes amounts for which constraints have been placed on the use of the resources either (a) externally imposed by creditors, grantors, contributors, or laws or regulations of other governments, or (b) imposed by law through constitutional provisions or enabling legislation. The District had no restricted fund balances at December 31, 2017.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

NOTES TO FINANCIAL STATEMENTS (continued) DECEMBER 31, 2017

- **Committed:** This classification includes amounts that can be used only for specific purposes pursuant to constraints imposed by formal action of the District's Board of Directors. The Board of Directors establishes (and modifies or rescinds) fund balance commitments by passage of a resolution. This can also be done through adoption and amendment of the budget. These amounts cannot be used for any other purpose unless the Board removes or changes the specified use by taking the same type of action that was employed when the funds were initially committed. This classification also includes contractual obligations to the extent that existing resources have been specifically committed for use in satisfying those contractual requirements. The District had \$825,000 of fund balances at December 31, 2017 committed for the following purposes: geodatabase upgrades, permanent well monitoring equipment, downhole well camera, well pulling program, legal, well plugging program and monitoring well maintenance/closure funds.
- **Assigned:** This classification includes amounts that are constrained by the District's intent to be used for a specific purpose but are neither restricted nor committed. This intent can be expressed by the Board of Directors or through the Board delegating this responsibility to other individuals in the District. The District had no assigned fund balances at December 31, 2017.
- **Unassigned:** This classification includes all amounts not included in other spendable classifications, including the residual fund balance for the General Fund. The District has adopted a fund balance policy that expresses an intent to maintain a level of unassigned fund balance equal to a minimum of 33% of total general fund expenditures.

Net Position

Net position represents the difference between assets and liabilities. Net position invested in capital assets consists of capital assets, net of accumulated depreciation, reduced by the outstanding balances of any borrowing used for the acquisition, construction or improvements of those assets, and adding back unspent proceeds. Net position is reported as restricted when there are limitations imposed on their use either through the enabling legislations adopted by the District or through external restrictions imposed by creditors, grantors or laws or regulations of other governments.

NOTE 2 – DEPOSITS AND INVESTMENTS WITH FINANCIAL INSTITUTIONS

The District's funds are deposited and invested in Independent Bank, McKinney, TX. The bank deposits for safekeeping and trust with the District's agent bank approved pledged securities in an amount sufficient to protect District funds on a day-to-day basis. The pledge of approved securities is waived only to the extent of the bank's dollar amount of Federal Deposit Insurance Corporation ("FDIC") insurance.

1. Cash Deposits:

At December 31, 2017, the carrying amount of the District's deposits in checking accounts and interest-bearing accounts was \$349,845 and the bank balance was \$349,845. The District's cash deposits at December 31, 2017 were entirely covered by FDIC insurance or pledged collateral.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

NOTES TO FINANCIAL STATEMENTS (continued) DECEMBER 31, 2017

2. Investments:

The Public Funds Investment Act (Government Code Chapter 2256) contains specific provisions in the areas of investment practices, management reports and establishment of appropriate policies. Among other things, it requires the District to adopt, implement, and publicize an investment policy. That policy must address the following areas: (1) safety of principal and liquidity, (2) portfolio diversification, (3) allowable investments, (4) acceptable risk levels, (5) expected rates of return, (6) maximum allowable stated maturity of portfolio investments, (7) maximum average dollar-weighted maturity allowed based on the stated maturity date for the portfolio, (8) investment staff quality and capabilities, (9) and bid solicitation preferences for certificates of deposit. Statutes authorize the District to invest in (1) obligations of the U.S. Treasury, certain U.S. agencies, and the State of Texas, (2) certificates of deposit, (3) certain municipal securities, (4) money market savings accounts, (5) repurchase agreements, (6) bankers acceptance, (7) mutual funds, (8) investment pools, (9) guaranteed investment contracts, (10) and common trust funds.

The Act also requires the District to have independent auditors perform test procedures related to investment practices as provided by the Act. The District is in substantial compliance with the requirements of the Act and with local policies.

In compliance with the Public Funds Investment Act, the District has adopted a deposit and investment policy. That policy addresses the following risks:

- a. **Custodial Credit Risk – Deposits:** In the case of deposits, this is the risk that, in the event of a bank failure, the District's deposits may not be returned to it. As of December 31, 2017, the District's cash balances totaled \$349,845. The District's deposits were not exposed to custodial credit risk at December 31, 2017.
- b. **Custodial Credit Risk – Investments:** For an investment, this is the risk that, in the event of the failure of the counterparty, the District will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. At December 31, 2017, the District was not exposed to custodial credit risk.
- c. **Credit Risk:** This is the risk that an issuer or other counterparty to an investment will be unable to fulfill its obligations. The rating of securities by nationally recognized rating agencies is designed to give an indication of credit risk. The District was not exposed to credit risk at December 31, 2017.
- d. **Interest Rate Risk:** This is the risk that changes in interest rates will adversely affect the fair value of an investment. The District was not exposed to interest rate risk at December 31, 2017.
- e. **Foreign Currency Risk:** This is the risk that exchange rates will adversely affect the fair value of an investment. At December 31, 2017, the District was not exposed to foreign currency risk.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

NOTES TO FINANCIAL STATEMENTS (continued) DECEMBER 31, 2017

Concentration of Credit Risk: This is the risk of loss attributed to the magnitude of the District's investment in a single issuer (i.e., lack of diversification). Concentration risk is defined as positions of 5 percent or more in the securities of a single issuer. At December 31, 2017, the District held 100% of its investments in certificates of deposit at Landmark Bank.

The District's investments at December 31, 2017, are shown below:

<u>Name</u>	<u>Carrying Amount</u>	<u>Fair Value</u>
Certificates of Deposit	<u>\$ 1,000,000</u>	<u>\$ 1,000,000</u>
Total	<u>\$ 1,000,000</u>	<u>\$ 1,000,000</u>

Fair Value Measurements

The District categorizes its fair value measurements with the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant other observable inputs; Level 3 inputs are significant unobservable inputs. Investments that are measured at fair value using the net asset value per share (or its equivalent) as a practical expedient are not classified in the fair value hierarchy below.

In instances where inputs used to measure fair value fall into different levels in the above fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The District's assessment of the significance of particular inputs to these fair value measurements requires judgement and considers factors specific to each asset or liability.

The District's investment at December 31, 2017 were valued using Level 2 input measurements.

NOTE 3 – CAPITAL ASSETS

Capital asset activity for the year ended December 31, 2017, was as follows:

	<u>Balance January 1, 2017</u>	<u>Additions</u>	<u>Retirements</u>	<u>Balance December 31, 2017</u>
Governmental activities:				
Vehicle	\$ 16,624	\$ -	\$ -	\$ 16,624
Equipment	10,042	-	-	10,042
Totals at Historical Cost	<u>26,666</u>	<u>-</u>	<u>-</u>	<u>26,666</u>
Less accumulated depreciation:				
Vehicle	(12,667)	(2,375)	-	(15,042)
Equipment	(3,354)	(1,435)	-	(4,789)
Total accumulated depreciation	<u>(16,021)</u>	<u>(3,810)</u>	<u>-</u>	<u>(19,831)</u>
Governmental activities capital assets, net	<u>\$ 10,645</u>	<u>\$ (3,810)</u>	<u>\$ -</u>	<u>\$ 6,835</u>

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

NOTES TO FINANCIAL STATEMENTS (continued)
DECEMBER 31, 2017

NOTE 4 – RISK MANAGEMENT

The District is exposed to various risks of loss related to torts theft of, damage to and destruction of assets; errors and omissions; injuries to employees; and natural disasters. During fiscal year 2017, the District purchased commercial insurance to cover general liabilities. There were no significant reductions in coverage in the past fiscal year, and there were no settlements exceeding insurance coverage for each of the past three years.

NOTE 5 – ESTIMATES

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

NOTE 6 – SUBSEQUENT EVENTS

Management has reviewed events subsequent to December 31, 2017 through May 29, 2018, which is the date the financial statements were available to be issued. No subsequent events were identified that were required to be recorded or disclosed in the financial statements.

OTHER SUPPLEMENTARY INFORMATION

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

**COMPARATIVE BALANCE SHEET
GENERAL FUND
DECEMBER 31, 2017 AND 2016**

	<u>2017</u>	<u>2016</u>
Assets:		
Cash and Cash Equivalents	\$ 349,845	\$ 1,152,637
Investments	1,000,000	-
Accounts Receivable	155,200	127,970
Other Receivables	19,445	46,573
Prepaid Costs	3,893	4,566
Total Assets	<u>\$ 1,528,383</u>	<u>\$ 1,331,746</u>
Liabilities and Fund Balance:		
Liabilities:		
Accounts Payable	\$ 47,421	\$ 25,783
Well Driller Deposits	23,800	27,531
Total Liabilities	<u>71,221</u>	<u>53,314</u>
Fund Balance:		
Nonspendable Fund Balance:		
Prepaid Costs	3,893	4,566
Committed Fund Balance	825,000	825,000
Unassigned Fund Balance	628,269	448,866
Total Fund Balance	<u>1,457,162</u>	<u>1,278,432</u>
Total Liabilities and Fund Balance	<u>\$ 1,528,383</u>	<u>\$ 1,331,746</u>

See accompanying auditors' report.

NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

**COMPARATIVE SCHEDULE OF REVENUES, EXPENDITURES AND CHANGES
IN FUND BALANCE - GENERAL FUND
FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016**

	<u>2017</u>	<u>2016</u>
Revenues:		
Groundwater Usage Fees	\$ 646,099	\$ 625,978
Well Registration Fees	23,600	20,400
Well Driller Deposit Forfeitures	9,030	2,200
GMA8 Fees	1,849	51,043
Interest Earned	4,034	2,042
Penalties and Late Charges	7,741	22,767
Total Revenues	<u>692,353</u>	<u>724,430</u>
Expenditures:		
Administrative - General Manager	51,288	45,028
Administrative - Secretarial & Clerical	54,112	59,232
Administrative - Project Coordinator	20,292	13,618
Field Technicians	108,930	108,794
Consultants	94,660	29,013
Field Permitting/Geologist	11,692	-
Accounting and Auditing	26,486	31,546
Legal	73,209	60,236
Software Maintenance	39,611	7,934
Direct Costs Reimbursed	5,263	3,874
Insurance	4,478	3,724
Vehicle Costs	4,815	5,685
Office Rent	2,400	2,400
Telephone	2,073	1,913
GMA8 Costs	4,417	57,850
Legal Notices	2,003	1,303
Dues and Subscriptions	2,141	1,608
Meetings and Conferences	3,598	3,220
Injection Well Monitoring	634	626
Small Equipment	1,496	1,093
Bank Fees	25	-
Debt Service	-	300,000
Total Expenditures	<u>513,623</u>	<u>738,697</u>
Excess (deficit) of revenues over expenditures and net change in fund balance	178,730	(14,267)
Fund balance at beginning of year	<u>1,278,432</u>	<u>1,292,699</u>
Fund balance at end of year	<u>\$ 1,457,162</u>	<u>\$ 1,278,432</u>

See accompanying auditors' report.

Members:
AMERICAN INSTITUTE OF
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**HANKINS, EASTUP, DEATON,
TONN & SEAY**
A PROFESSIONAL CORPORATION

CERTIFIED PUBLIC ACCOUNTANTS

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INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER
FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS
BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED
IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

Board of Directors
North Texas Groundwater Conservation District
Denison, Texas

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities and each major fund of North Texas Groundwater Conservation District, as of and for the year ended December 31, 2017, and the related notes to the financial statements, which collectively comprise North Texas Groundwater Conservation District's basic financial statements, and have issued our report dated May 29, 2018.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the District's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, we do not express an opinion on the effectiveness of the District's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. *A material weakness* is a deficiency, or a combination of deficiencies in internal control, such that there is a reasonable possibility that a material misstatement of the District's financial statements will not be prevented, or detected and corrected on a timely basis. *A significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or, significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the District's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the District's internal control or on compliance. This report is an integral part of the audit performed in accordance with *Government Auditing Standards* in considering the District's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.



Hankins, Eastup, Deaton, Tonn & Seay, PC
Denton, Texas

May 29, 2018