



Texas Alliance Of
Groundwater Districts

Groundwater Conservation Districts Powers & Responsibilities

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Milam & Burleson Counties Groundwater Summit

August 11, 2016



Texas Alliance Of
Groundwater Districts

TAGD=Texas Alliance of Groundwater Districts





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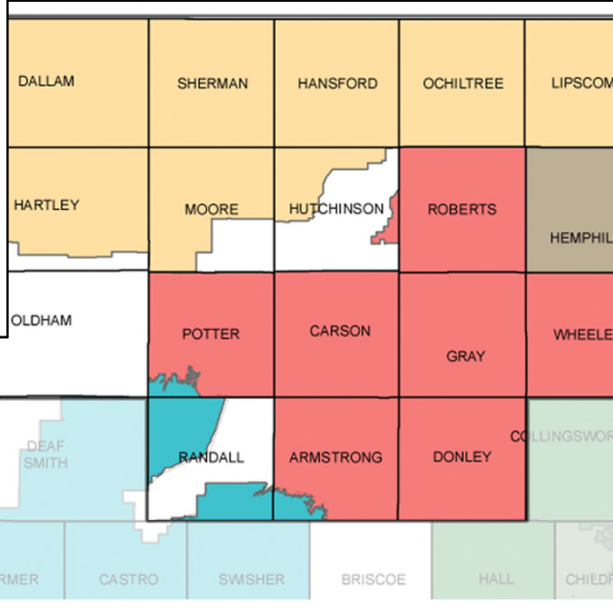
What does TAGD do?

- Educational and technical training
- Tracks legislation & agency rulemaking
- Serves as a resource for districts, the public, lawmakers, and state agencies
- Facilitates communication among GCDs
- Collects data on GCDs



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TAGD's GCD Index



TAGD Texas Alliance Of Groundwater Districts	
North Plains Groundwater Conservation District	
Contact:	Steven Walhour General Manager 803 East First Street Dumas, Texas 79029 (806) 935-6401 http://www.npgcd.org/
Enabling/Major Legislation:	Acts 1955, 54th R.S., ch. 498, General and Special Laws of Texas; Acts 1985, 69th R.S., ch. 63, General and Special Laws of Texas; Acts 1983, 68th R.S., ch. 760, General and Special Laws of Texas; Acts 1999, 76th R.S., ch. 1152, General and Special Laws of Texas
Counties Covered:	All of Lipscomb, Ochiltree, Hansford, Sherman and Dallam Counties; parts of Hartley, Moore, and Hutchinson Counties
Income Source:	Both
GCD Population:	50,001-100,000
Community Type:	Rural
Largest Use:	Agriculture
Selection of Board Members:	Elected
Number of Board Members:	7
GMA:	GMA 1
Groundwater Export:	Yes
Brackish Groundwater Rules:	No (encompassed within current regulations of all groundwater)
Exempt Wells:	Chapter 36 exemptions only
Reporting Requirements:	Yes, for all permitted wells
Reporting Frequency:	Annually
Meter Requirements:	Yes, for all permitted wells
Spacing Requirements:	Wells must be at least 100 yards from property lines; additional spacing requirements are based on well capacity.



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What does Lloyd Gosselink do?



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GCDs

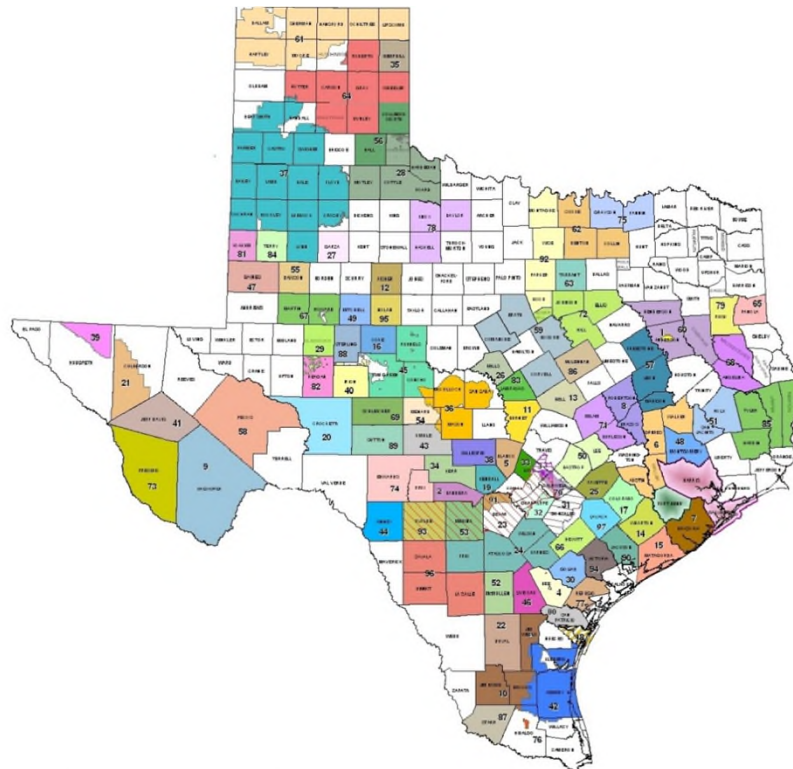
GCD Power & Responsibilities

Issues & Challenges



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GCD=Groundwater Conservation Districts





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Operational Components of a GCD

Well
Permitting and
Enforcement

Well
Monitoring

Public
Education

Research &
Science

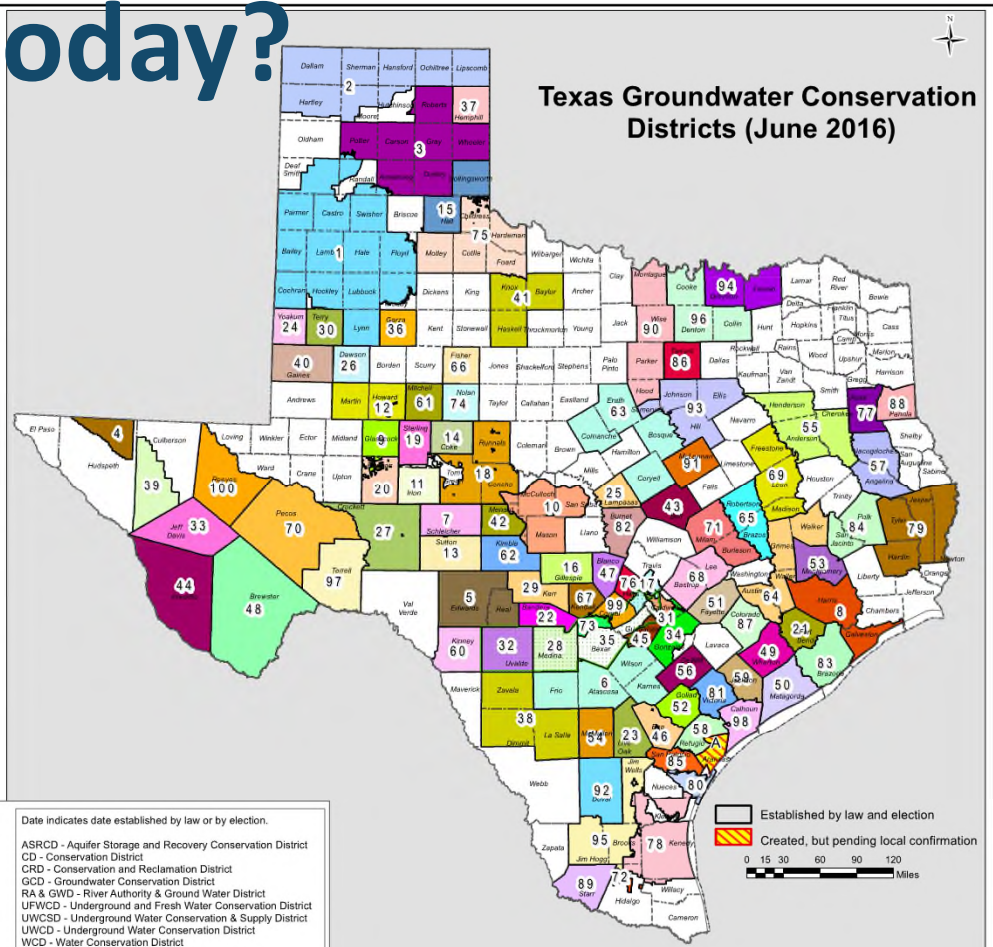
Regional
Planning

Water Quality

Where are GCDs today?

- | | |
|--|---|
| 1 High Plains UWCD No. 1 - 9/29/1951 | 52 Glasscock GCD - 8/22/1961 |
| 2 North Plains GCD - 1/2/1990 | 53 Lone Star GCD - 11/6/2001 |
| 3 Panhandle GCD - 1/21/1956 | 54 McMullen GCD - 11/6/2001 |
| 4 Hudspeth County UWCD No. 1 - 10/5/1957 | 55 Neches & Trinity Valleys GCD - 11/6/2001 |
| 5 Real-Edwards C and R District - 5/30/1959 | 56 Pecan Valley GCD - 11/6/2001 |
| 6 Evergreen UWCD - 8/30/1965 | 57 Pineywoods GCD - 11/6/2001 |
| 7 Plateau UWC and Supply District - 3/4/1974 | 58 Refugio GCD - 11/6/2001 |
| 8 Harris-Galveston Subsidence District - 4/23/1975 | 59 Texana GCD - 11/6/2001 |
| 9 Glasscock GCD - 8/22/1961 | 60 Kinney County GCD - 1/12/2002 |
| 10 Hickory UWCD No. 1 - 8/14/1982 | 61 Lone Wolf GCD - 2/2/2002 |
| 11 Iron County WCD - 8/2/1985 | 62 Kimble County GCD - 5/3/2002 |
| 12 Permian Basin UWCD - 9/21/1985 | 63 Middle Trinity GCD - 5/4/2002 |
| 13 Sutton County UWCD - 4/5/1986 | 64 Bluebonnet GCD - 11/5/2002 |
| 14 Coke County UWCD - 11/4/1986 | 65 Brazos Valley GCD - 11/5/2002 |
| 15 Mesquite GCD - 11/4/1986 | 66 Clear Fork GCD - 11/5/2002 |
| 16 Hill County UWCD - 8/8/1987 | 67 Cow Creek GCD - 11/5/2002 |
| 17 Barton Springs/Edwards Aquifer CD - 8/13/1987 | 68 Lost Pines GCD - 11/5/2002 |
| 18 Lipan-Kickapoo WCD - 11/3/1987 | 69 Mid-East Texas GCD - 11/5/2002 |
| 19 Sterling County UWCD - 11/3/1987 | 70 Middle Peacos GCD - 11/5/2002 |
| 20 Santa Rita UWCD - 8/19/1989 | 71 Post Oak Savannah GCD - 11/5/2002 |
| 21 Fort Bend Subsidence District - 8/28/1989 | 72 Red Sands GCD - 11/5/2002 |
| 22 Bandera County RA & GWD - 11/7/1989 | 73 Trinity Glen Rose GCD - 11/5/2002 |
| 23 Live Oak UWCD - 11/7/1989 | 74 Hays Trinity GCD - 5/3/2003 |
| 24 Sandy Land UWCD - 11/7/1989 | 75 Rusk County GCD - 6/5/2004 |
| 25 Saratoga UWCD - 11/7/1989 | 76 Gateway GCD - 5/3/2003 |
| 26 Mesa UWCD - 1/20/1990 | 77 Hays Trinity GCD - 5/3/2003 |
| 27 Crockett County GCD - 1/26/1991 | 78 Kenedy County GCD - 11/2/2004 |
| 28 Medina County GCD - 8/26/1991 | 79 Southeast Texas GCD - 11/2/2004 |
| 29 Headwaters UWCD - 11/5/1991 | 80 Corpus Christi ASRCD - 6/17/2005 |
| 30 South Plains UWCD - 2/8/1992 | 81 Victoria County GCD - 8/5/2005 |
| 31 Plum Creek CD - 5/1/1993 | 82 Central Texas GCD - 9/24/2005 |
| 32 Uvalde County UWCD - 9/1/1993 | 83 Brazoria County GCD - 11/8/2005 |
| 33 Jeff Davis County UWCD - 11/2/1993 | 84 Lower Trinity GCD - 11/7/2006 |
| 34 Gonzales County UWCD - 11/2/1994 | 85 San Patricio County GCD - 5/12/2007 |
| 35 Edwards Aquifer Authority - 7/28/1996 | 86 Northern Trinity GCD - 5/15/2007 |
| 36 Garza County UWCD - 11/5/1996 | 87 Colorado County GCD - 11/6/2007 |
| 37 Hemphill County UWCD - 11/4/1997 | 88 Panola County GCD - 11/6/2007 |
| 38 Wintergarden GCD - 1/17/1998 | 89 Starr County GCD - 11/6/2007 |
| 39 Culberson County GCD - 5/2/1998 | 90 Upper Trinity GCD - 11/6/2007 |
| 40 Llano Estacado UWCD - 11/3/1998 | 91 Southern Trinity GCD - 6/19/2009 |
| 41 Rolling Plains GCD - 1/26/1999 | 92 Duval County GCD - 7/25/2009 |
| 42 Menard County UWCD - 8/14/1999 | 93 Prairielands GCD - 9/1/2009 |
| 43 Clearwater UWCD - 8/21/1999 | 94 Red River GCD - 9/1/2009 |
| 44 Presidio County UWCD - 8/31/1999 | 95 Brush Country GCD - 11/3/2009 |
| 45 Guadalupe County GCD - 11/4/1999 | 96 North Texas GCD - 12/1/2009 |
| 46 Bee GCD - 1/20/2001 | 97 Terrell County GCD - 11/6/2012 |
| 47 Blanco-Pedernales GCD - 1/23/2001 | 98 Calhoun County GCD - 11/4/2014 |
| 48 Brewster County GCD - 11/6/2001 | 99 Comal Trinity GCD - 6/17/2015 |
| 49 Coastal Bend GCD - 11/6/2001 | 100 Reeves County GCD - 11/3/2015 |
| 50 Coastal Plains GCD - 11/6/2001 | |
| 51 Fayette County GCD - 11/6/2001 | |

Pending Confirmation
A - Aransas County GCD



Texas Commission on Environmental Quality

This map was prepared by the TCEQ for display purposes only. No claims are made to the accuracy or completeness of the information shown herein nor is this map suitable for any other use. The scale and location of mapped data are approximate. The groundwater conservation district boundaries are not land survey data and may not accurately depict legal descriptions. For more information about this map, please contact TCEQ - Water Availability Division, Groundwater Planning & Assessment Team at (512) 239-4691.

Map printed June 1, 2016.

Date indicates date established by law or by election.

- ASRCD - Aquifer Storage and Recovery Conservation District
- CD - Conservation District
- CRD - Conservation and Reclamation District
- GCD - Groundwater Conservation District
- RA & GWD - River Authority & Ground Water District
- UFWCD - Underground and Fresh Water Conservation District
- UWCD - Underground Water Conservation & Supply District
- UWCD - Underground Water Conservation District
- WCD - Water Conservation District
- WD - Water District



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GCDs

GCD Power & Responsibilities

Issues & Challenges



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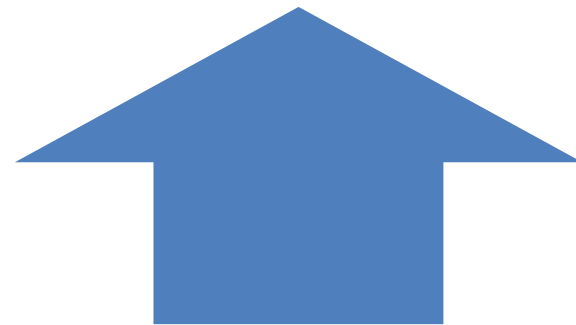
Balancing Act



Conservation, preservation, protection,
recharging and prevention of waste of
groundwater



Rights of Landowners and
the highest practicable
level of groundwater
production





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Aquifer Management

GCD's regulate in the following ways:

- Well spacing regulations
- Acreage-based regulations
- Use-based regulations

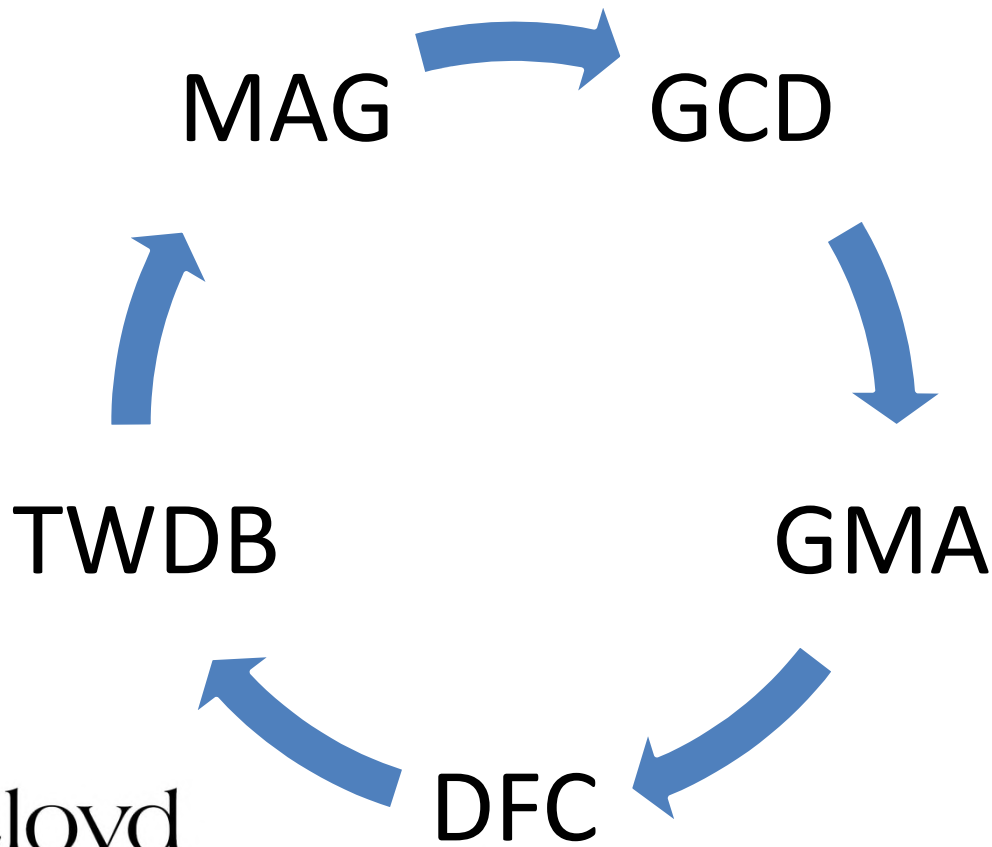
Exemptions from permitting requirements include:

- Wells specifically exempted by the board of directors
- Certain domestic and livestock wells
- Certain wells related to oil and gas or mining activities



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Joint Planning





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DFC=Desired Future Condition

- Desired future condition = quantifiable future groundwater metric (what aquifer will look like in future); overall management objective
- GCDs must implement a balancing test and consider:

Aquifer Uses
or Conditions

State Water
Plan

Hydrological
Conditions

Private
Property
Rights

Impacts on
Subsidence

Socioeconomic
Impacts

Environmental
Impacts

Feasibility of
achieving DFC

Any other
relevant
information



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Transfer of Groundwater out of a GCD

Section 36.122 of the Texas Water Code governs groundwater transfers out of a GCD

§§ (c) – GCD may not impose more restrictive permit conditions on transporters than GCD imposes on in-district users

§§ (d) – GCD may impose an export fee or surcharge on groundwater transferred out of a district



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Transfer of Groundwater cont'd

Section 36.122 cont'd

§§ (f) – GCD can consider several factors when making a decision on transfer:

- Availability of water within GCD and receiving area
- Proposed effect on aquifer
- Regional Water Plan and GCD Management Plan

§§ (q) – GCD must be fair, impartial, and nondiscriminatory



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Important Roles of GCDs

Investment in Science



GCDs are investing significant amounts of money to generate regional and site-specific hydrogeologic information

Data Collection



Creating baseline groundwater information that will be used for years to come

A review of accountability mechanisms in effect

