Understanding Groundwater Issues and Challenges Across the State

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Bell County Water Symposium

November 16, 2016



TAGD=Texas Alliance of Groundwater Districts



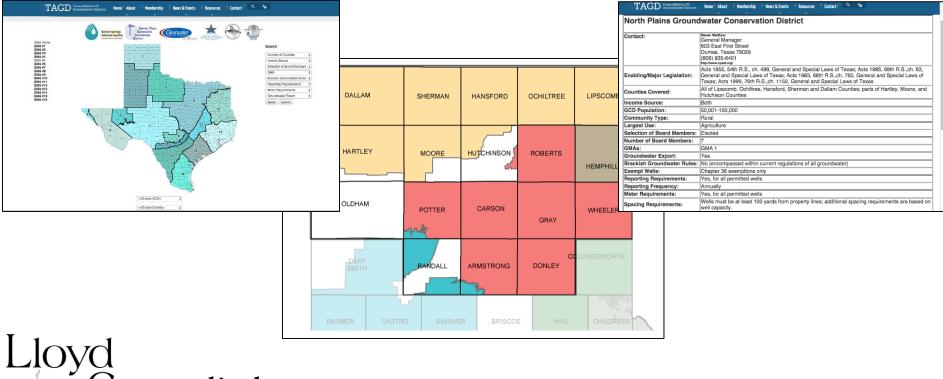


What does TAGD do?

- 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



TAGD's GCD Index



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texasgroundwater.org



What does Lloyd Gosselink do?





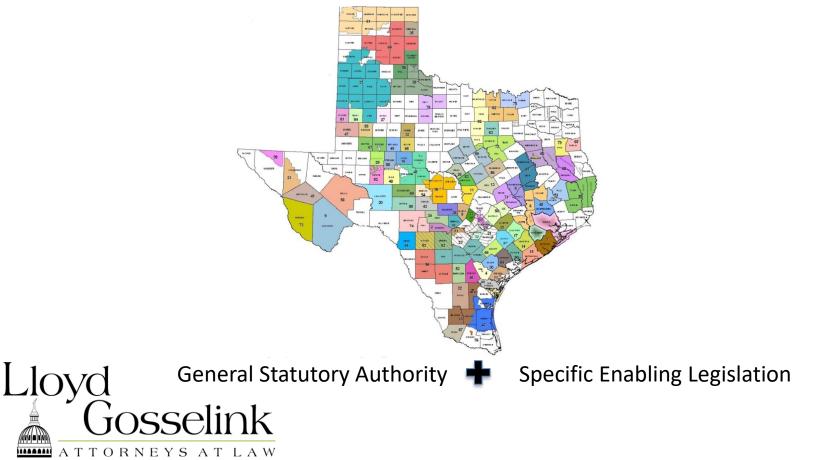
GCD Powers & Responsibilities

Groundwater Issues

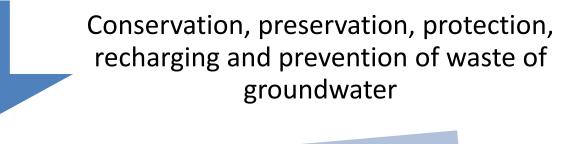
Legislative Outlook



GCD=Groundwater Conservation Districts



Balancing Act



Rights of Landowners and the highest practicable level of groundwater production OSSelink

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Aquifer Management

GCD's regulate in the following ways:

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

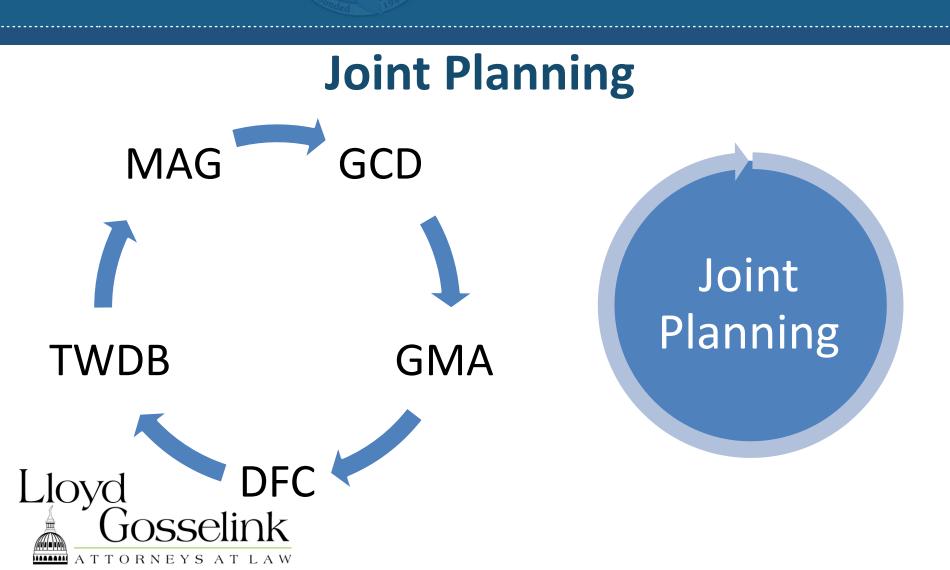
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Exemptions from permitting requirements include:

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

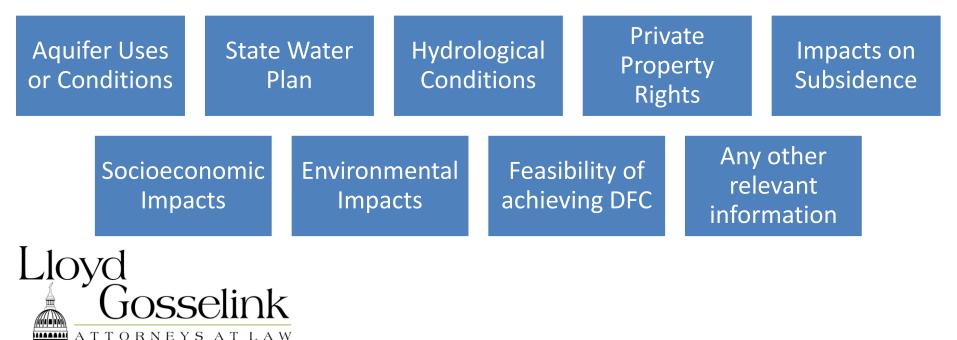
Operational Components of a GCD





DFC=Desired Future Condition

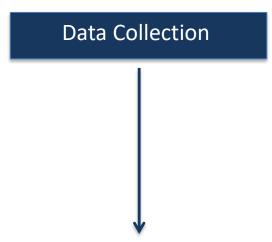
- Desired future condition = quantifiable future groundwater metric (what aquifer will look like in future); overall management objective
- GCDs must implement a balancing test and consider:



Important Roles of GCDs

Investment in Science

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



oyd Gosselink

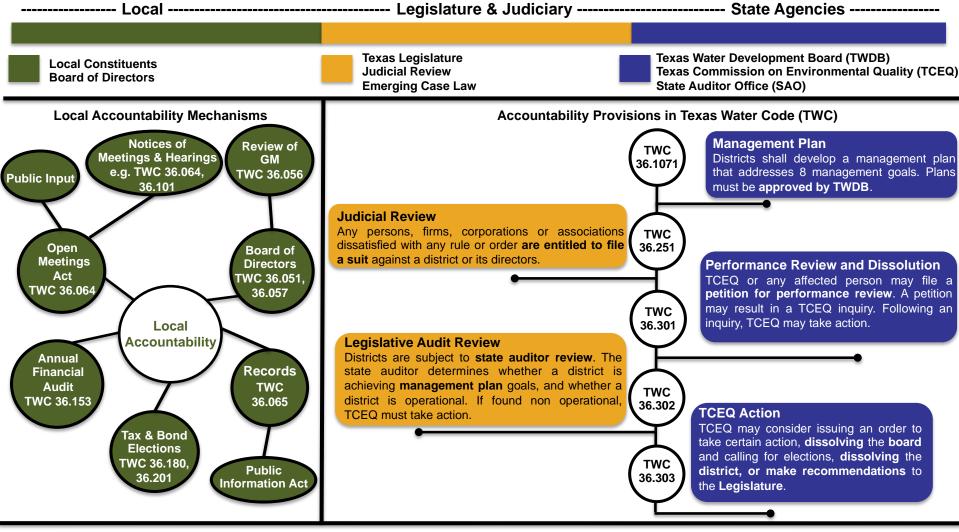
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Creating baseline groundwater information that will be used for years to come

Current GCD Accountability Metrics

A review of accountability mechanisms in effect

A summary of current accountability mechanisms is provided to improve the dialogue on Groundwater Conservation District (GCD) performance. Current evaluation methods ensure statutory compliance and accountability on three levels: local, legislative & judiciary, and state agencies.



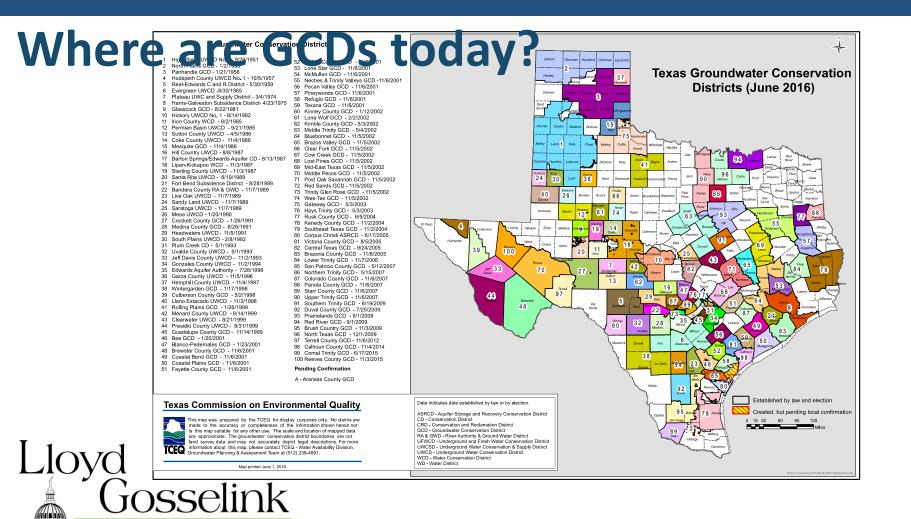
Opportunities

Consider importance of board & stakeholder education Consider improvements to legislative audit review process Consider difference between statutory compliance and performance metrics

Texas Alliance of

Groundwater Districts

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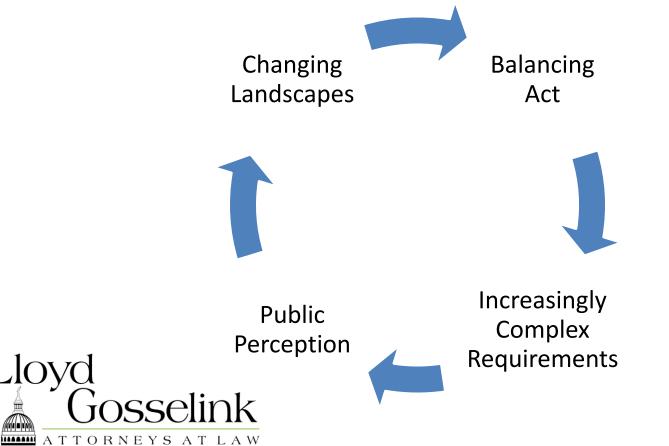
GCD Powers & Responsibilities

Groundwater Issues

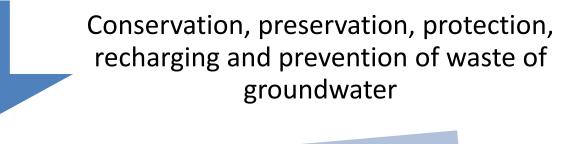
Issues & Legislative Outlook







Balancing Act

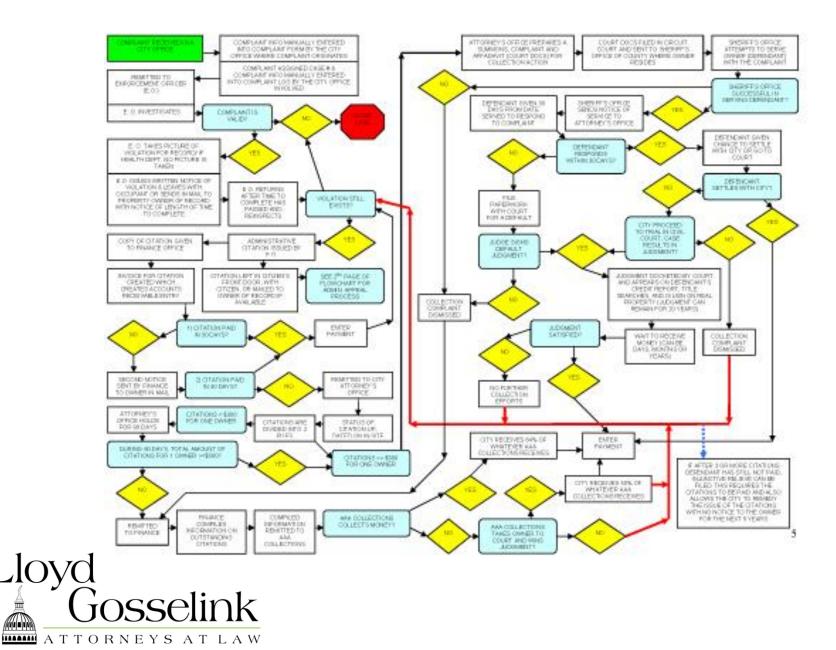


Rights of Landowners and the highest practicable level of groundwater production OSSelink

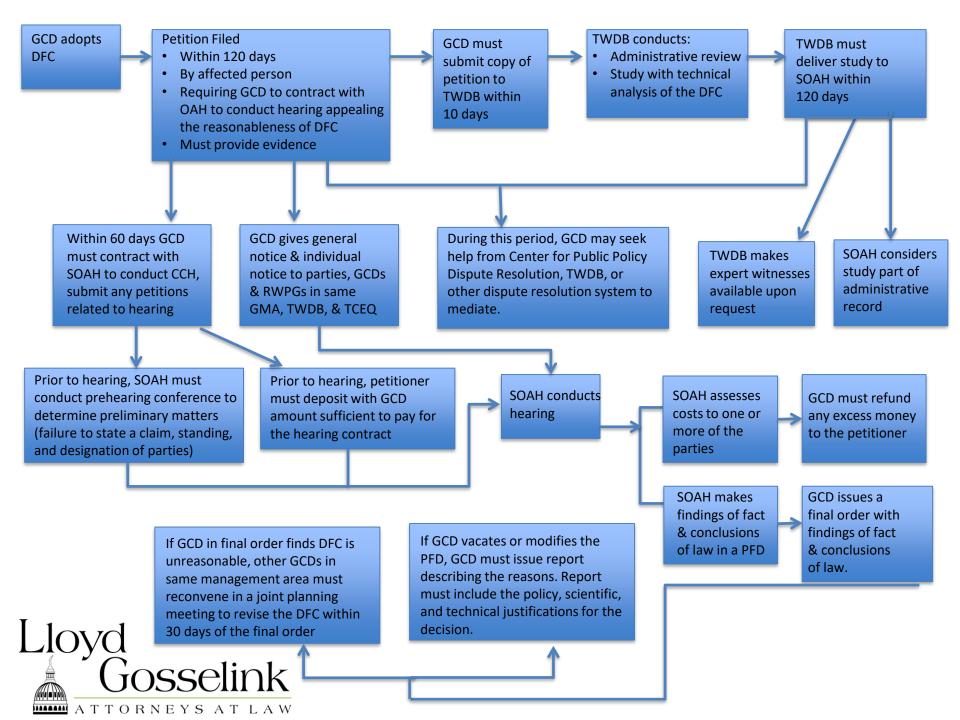
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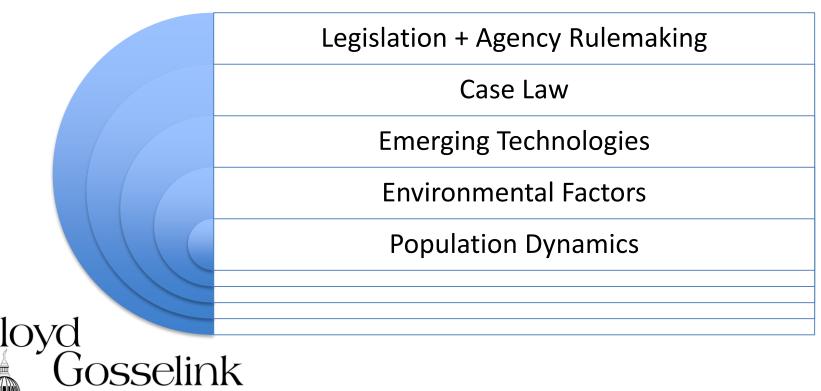
Increasingly Complex Requirements



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Changing Landscapes: Policy drivers in Texas Groundwater



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Public Perception

Best Available Science

Policy Decisions

- Population Dynamics
- Aquifer Conditions
- Forecasting
- Local Industry
- Socio Economic Considerations



So what are the main Groundwater Issues?

- Uniformity
- Performance
- Groundwater Availability
- Permitting





GCD Powers & Responsibilities

Groundwater Issues

Legislative Outlook



Texas Legislature 101

- Meets 140 days every other year in Regular Session.
- Will meet again in January 2017
- 181 State Legislators
 - 150 State Representatives in Texas House
 - State Representatives represent approximately 167,000 citizens
 - 31 State Senators in Texas Senate
 - State Senators represent approximately 806,000 citizens



Legislative Dates of Interest

- General Election November 8, 2016
- Bill Pre-filing begins November 14, 2016
- 1st Day of Regular Session January 10, 2017
- 60-Day Bill Filing Deadline March 10, 2017
- Adjournment / Sine Die May 29, 2017
- Post-Session 20 deadline for Governor Action June



Past Significant Bills

- HB 200 DFC Appeals
- HB 655 Aquifer Storage and Recovery
- HB 30 Brackish Groundwater Production Zones
- SB 854 Permit Renewals with GCDs
- HB 3163 GCD Board Member Liability
- HB 930 Water Well Driller & Pump Installer Apprentice Program



Past Significant Bills

- HB 1221 Disclosure of GCD by Seller of Property
- HB 2179 GCD Permitting Decisions and Contested Cases
- HB 2767 Chapter 36 Clean-Up
- HB 1232 TWDB Aquifer Mapping
- HB 2647 Power Generation Permitting Exception VETOED
- SB 1336 GCD Enabling Act Clean Up
- HB 950 State Auditor Review of GCDs



Groundwater Legislative Issues

- Statewide or Aquifer-Wide Management of Groundwater
- Correlative Rights
- Application of Oil and Gas Legal Principles to Groundwater
- GCD Permitting Process
- Groundwater Management Area (GMA) / DFC Process
- Export Permits
- Authorization of GCDs to use On-Line Banking
- State Auditor Oversight of GCDs



Questions?

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