

nRkvnZnQ



# 18TH ANNUAL BELL COUNTY WATER SYMPOSIUM



*Special Thanks To  
Our Event Sponsors!*



# Today's Theme & Goals

## *Collaborative Discussion and Planning Water Needs for the Future*



- Clearwater UWCD “State of the District”
- Tumultuous History and Collaborative Future of Water Management in Texas
- TWDB “Science, Infrastructure & Support”
  
- Bell County “Challenges and Prospects” for the Future
- “Legislative Update” from Bell County Legislative Leadership
- Keynote: “Chairman of the Texas House Natural Resources Committee”
  
- “Caring, Collaboration and Outreach” Hill Country Alliance
- “Groundwater Science for Sound Policy”
- Case Study for “Similar VS Dis-Similar Groundwater Management”



*Every drop counts!*



# Elected Board of Directors

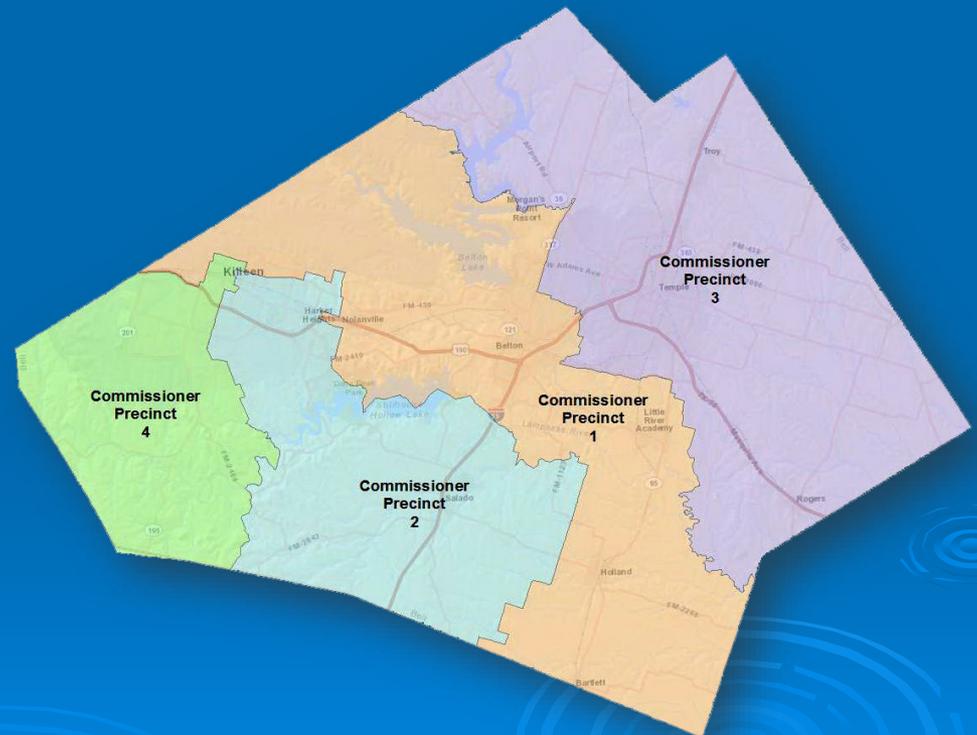
Leland Gersbach - Precinct #1

Gary Young - Precinct #2

Jody Williams - Precinct #3

Scott Brooks - Precinct #4

David Cole - At-Large



*Every drop counts!*

# Clearwater Staff

Dirk Aaron – General Manager

Shelly Chapman – Administrative Manager

Tristin Smith – Education Coordinator

Corey Dawson – Field Technician



Future of Texas Groundwater?  
Hard Conversation  
“Today’s Future”  
“Who Pays for Tomorrows Needs?”

- ✓ What we have been hearing across Texas?
- ✓ What is the *Status of Aquifers* in Bell County?
- ✓ Regional issues being a Hub of Water Purveying?
- ✓ Aquifer System are Regional in Nature?
- What / Who determines the future of Water in Texas?
- Engineered Solution for Texans?
- What is Next?
- What Can We Do?



# Groundwater 101

## Groundwater District

- What is Groundwater?
- What is a GCD and/or UWCD?
- Roles & Responsibilities?
- Who are we?
- Texas Alliance of Groundwater
- What is the “So What” of Groundwater?

**We Don't:  
Treat Water or Sell Water**

# Groundwater Conservation Districts

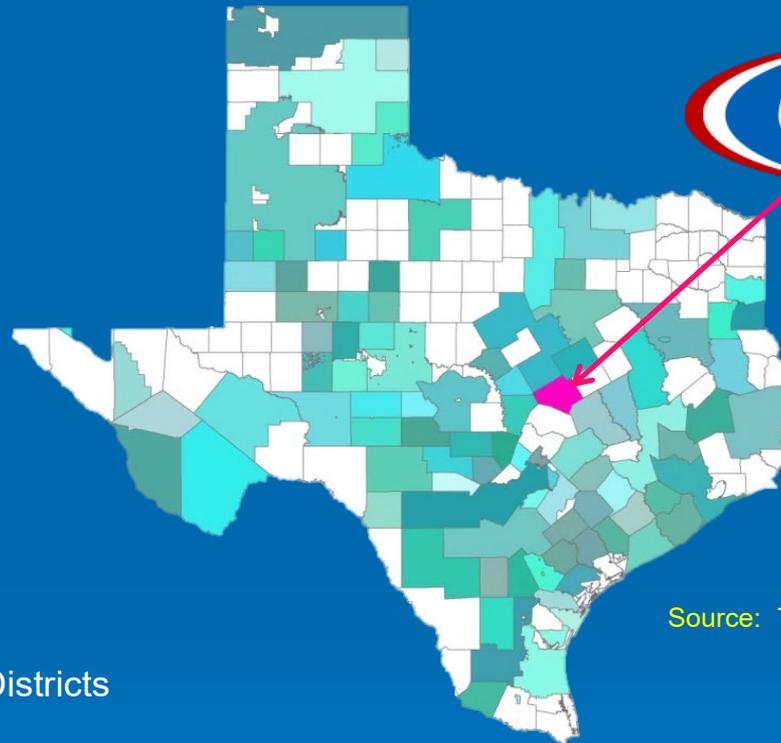
## GCD's

100 GCD's in Texas

98 GCD's are Confirmed

177 Counties are either fully or partially within a GCD

61 Single-County Districts  
39 Multiple-County



*Every drop counts!*

Source: TWDB



# Activities / Mission of a GCD?

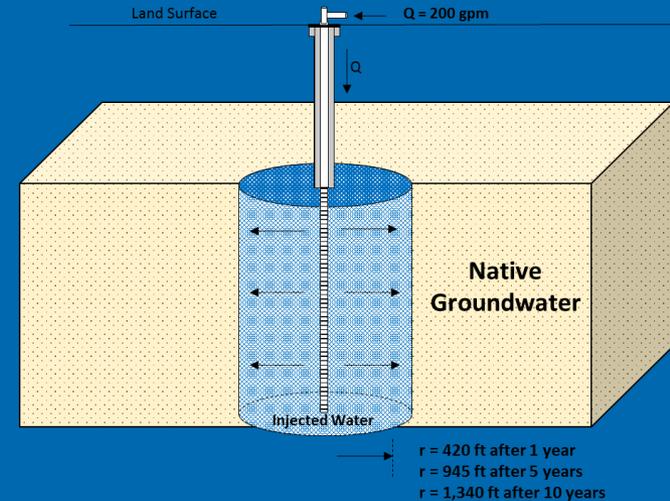


# Public & Private Collaboration

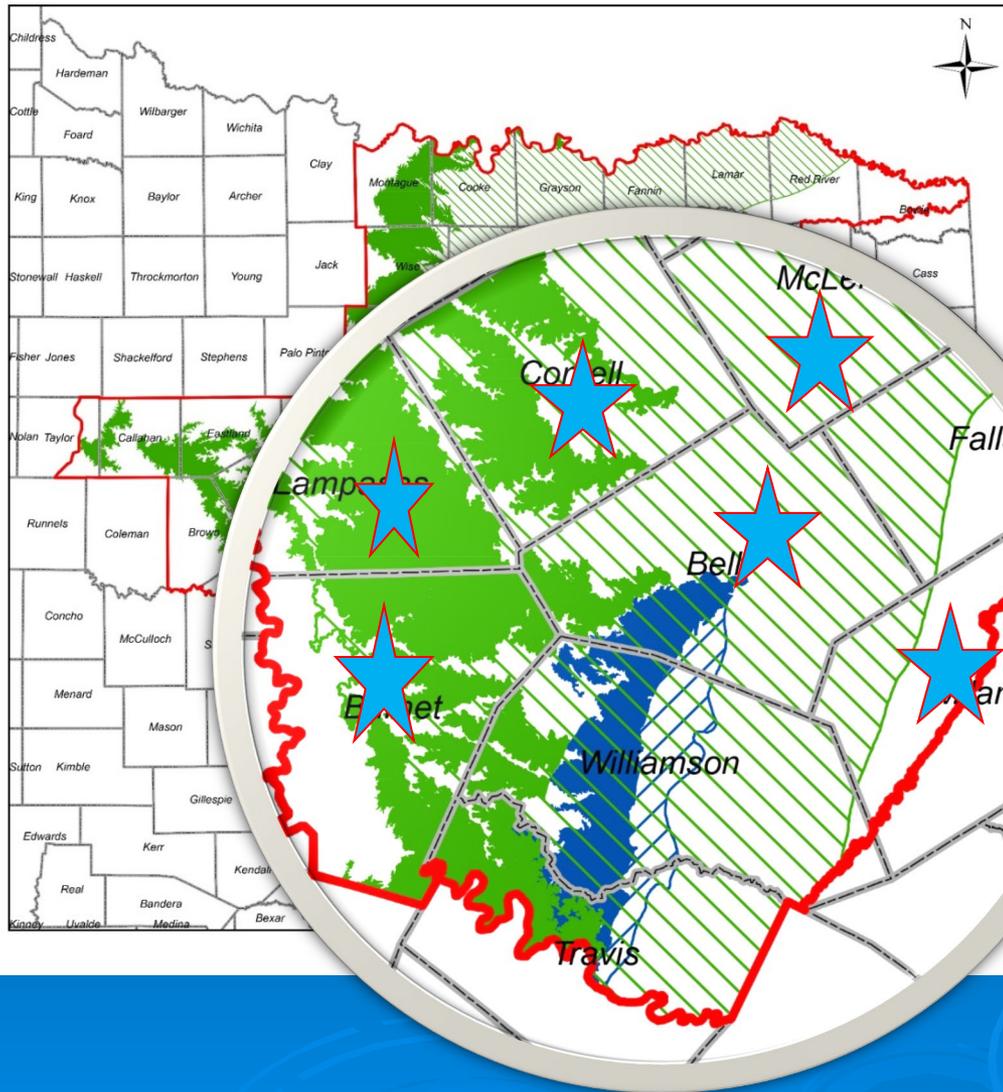
## *Development of Science and Tools*

### ➤ Aquifer Storage & Recovery

- Permitted by TCEQ
- Incentivized by GCD's
- Guidance Documents not Complete for determining Recoverability (Storage VS Withdrawals)
- Opportunity to Participate in Building Recoverability Model

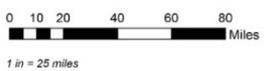


# Groundwater Management Area 8



- MAP LEGEND**
- GMA 8
  - Counties
- Major Aquifers**
- Edwards BFZ (outcrop)
  - Edwards BFZ (subcrop)
  - Trinity (outcrop)
  - Trinity (subcrop)

**DISCLAIMER**  
 This map was generated by the Texas Water Development Board. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. Scale and location of all mapped data are approximate. Boundaries for groundwater conservation districts are approximate and may not accurately depict legal descriptions.  
 Updated 7/18/2013



# Groundwater Policy Decision Makers are Asking?

*Emerged and Continue to be Ask?*

- Are You Consistent?
- Are You Uniform?
- Are You Transparent?
- Do you provide “Regulatory Certainty”?
- What is the Groundwater Availability?
- Do you have Permitting Procedures?

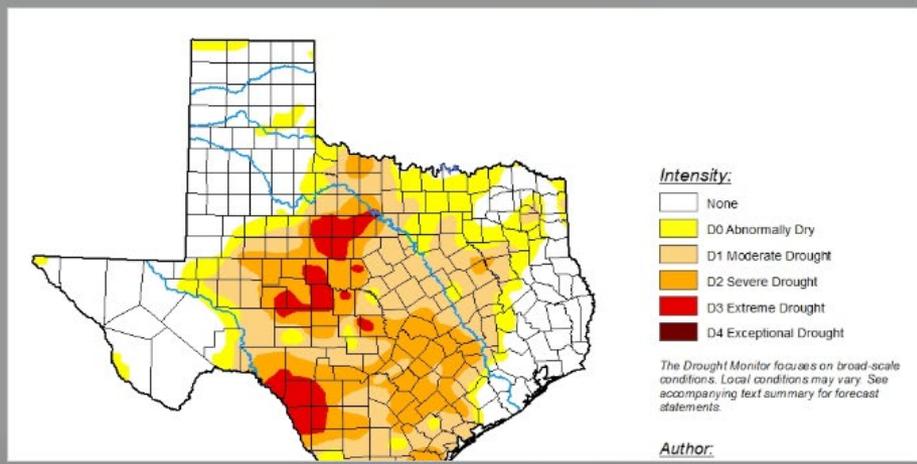




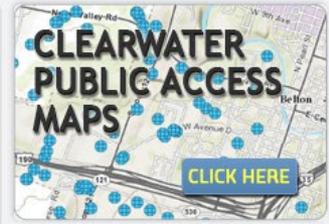
Contact Us Directions Public Records

Home District Overview News Aquifer Science Salado Springs Regulatory Programs Education

EDWARDS STATUS TRINITY STATUS TEXAS DROUGHT MONITOR



The U.S. Drought Monitor, established in 1999, is a weekly map of... [READ MORE](#)



USEFUL LINKS

[Bell County Well Driller and Pump Installers](#)

[TWDB Statewide Monitor Wells](#)

[TWDB Statewide Reservoir Levels](#)

## Bell County Water Symposium — AGENDA

31 October 2019

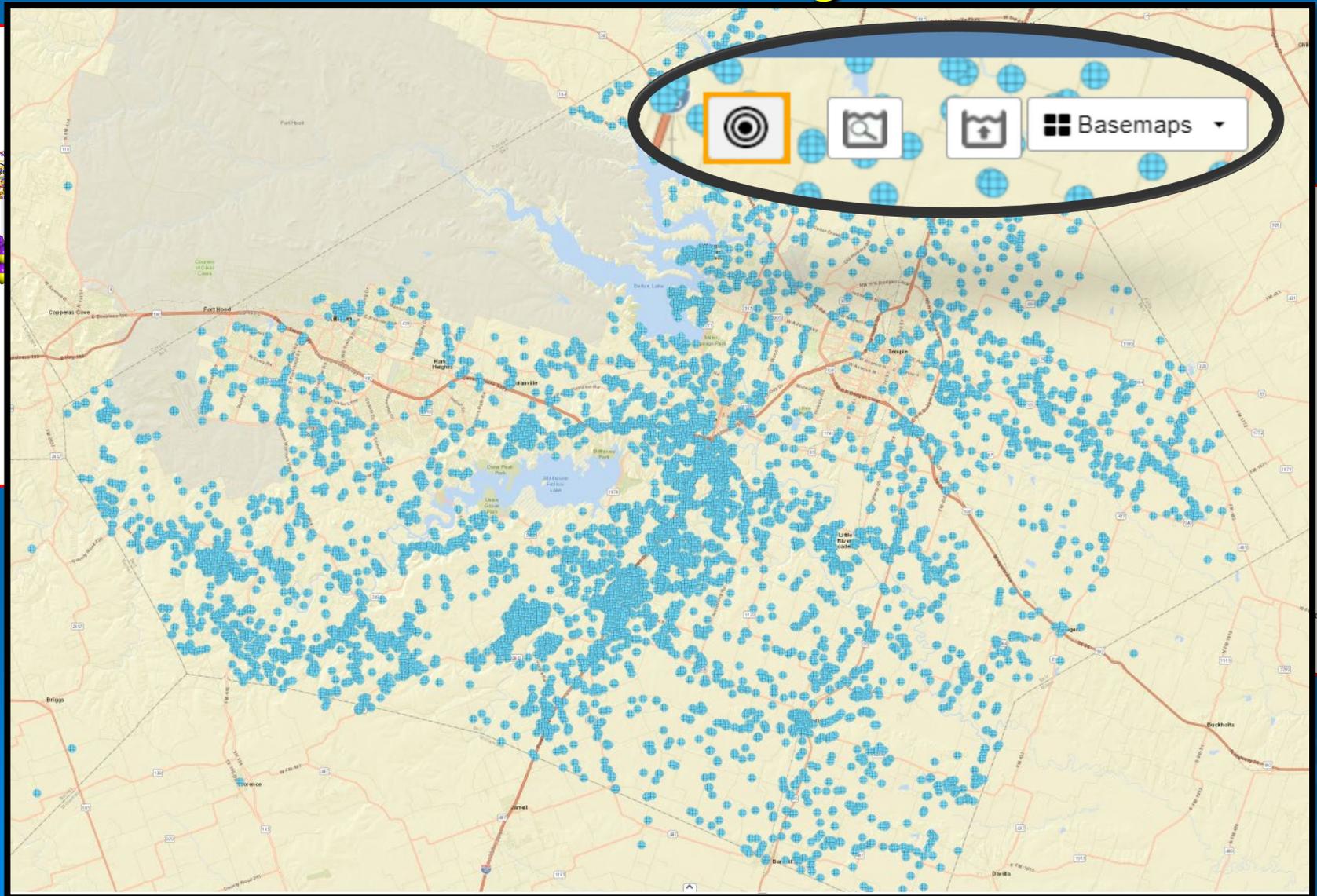


The District is responsible for the management of groundwater in Bell County, Texas. The District's mission is to "develop and implement an efficient, economical and environmentally sound groundwater management program to protect and enhance the water resources of the district."

- ✓ BRA
- ✓ USGS
- ✓ Bell CAD
- ✓ HALFF
- ✓ CUWCD
- ✓ Bell Co.



# So what are we doing with this?

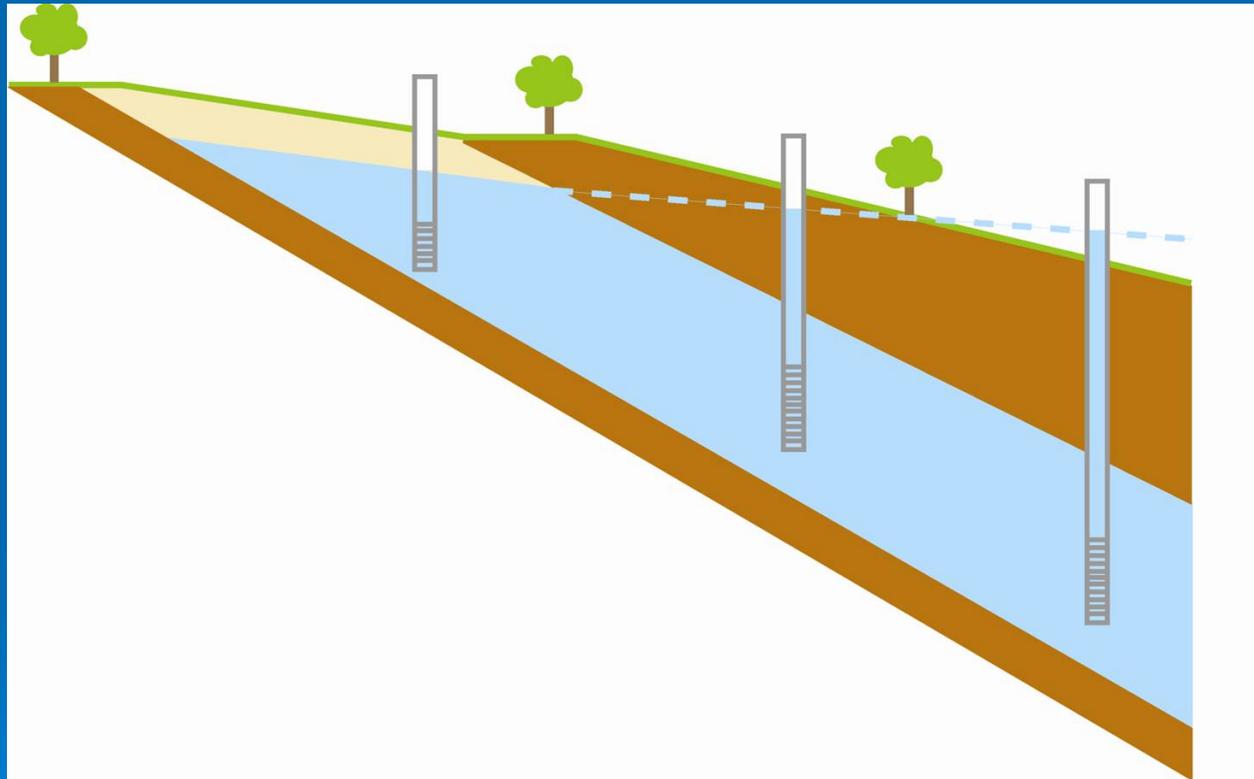




***Why does all this  
groundwater science,  
regulation and policy  
matter?***



# Groundwater Wells



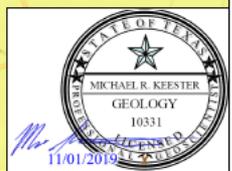
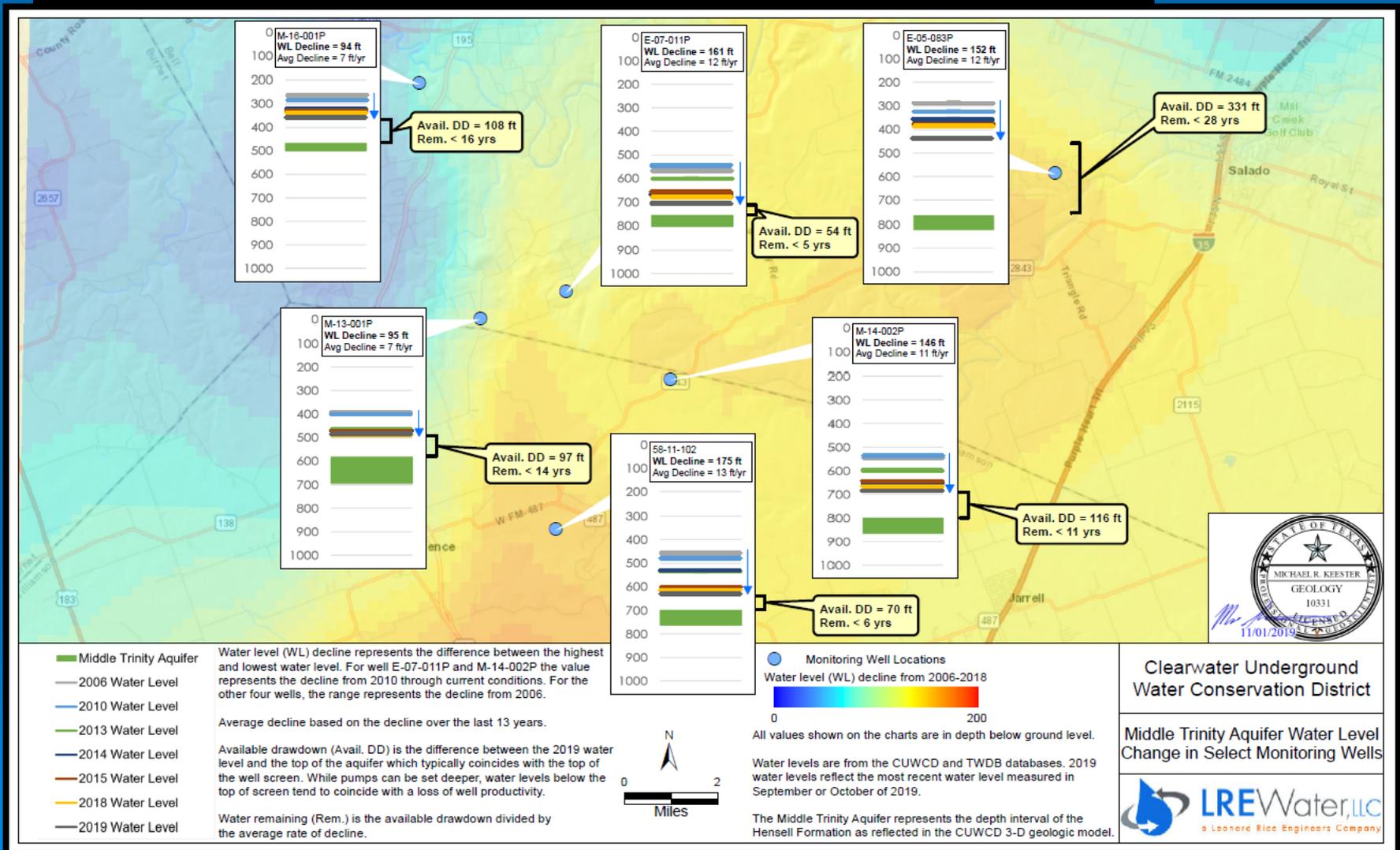
# New Development Issues & Concerns

## *Waste Water Treatment Discharge Permits*



# Reality of Groundwater

## Truly a Shared Resource



Clearwater Underground Water Conservation District

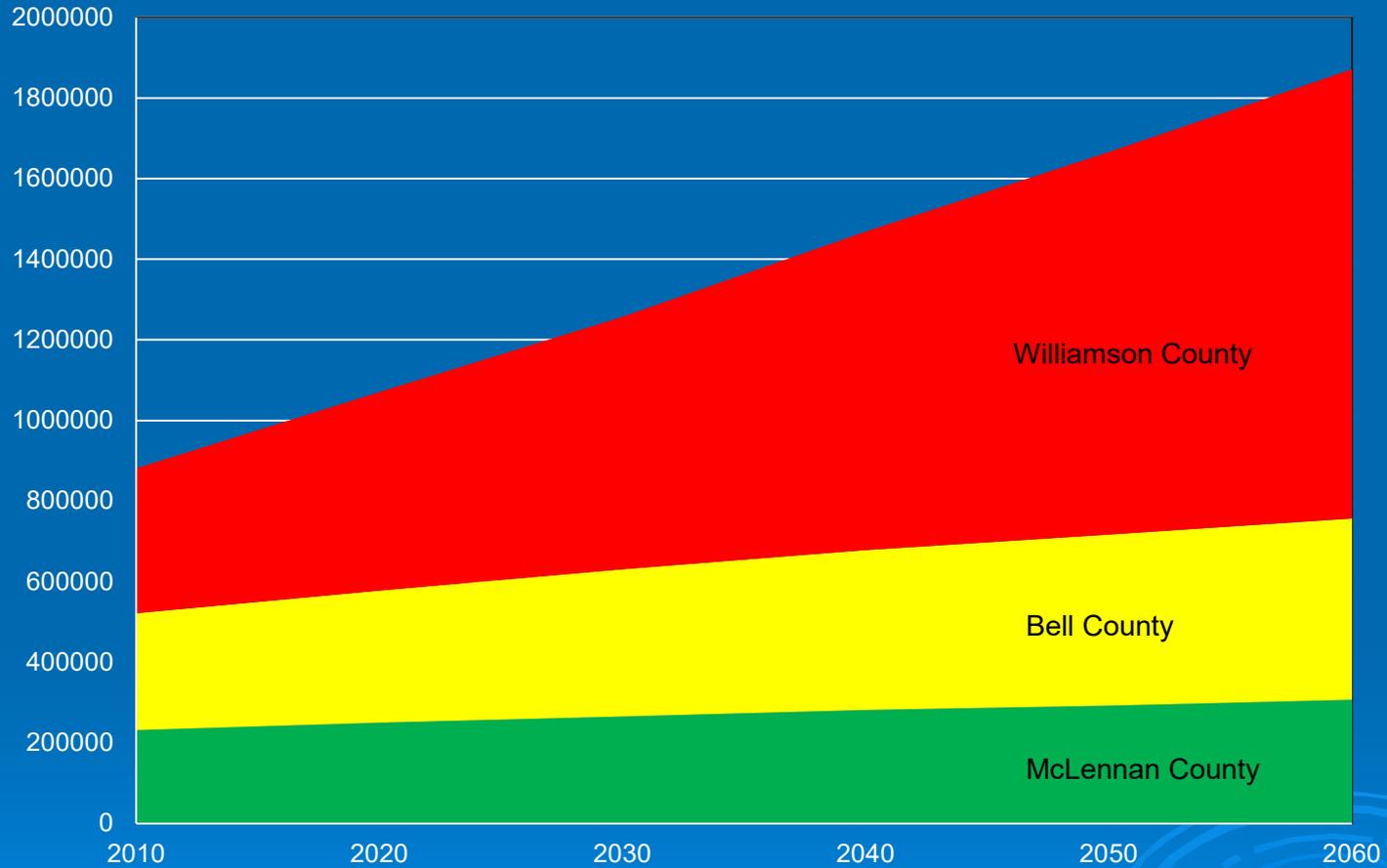
Middle Trinity Aquifer Water Level Change in Select Monitoring Wells





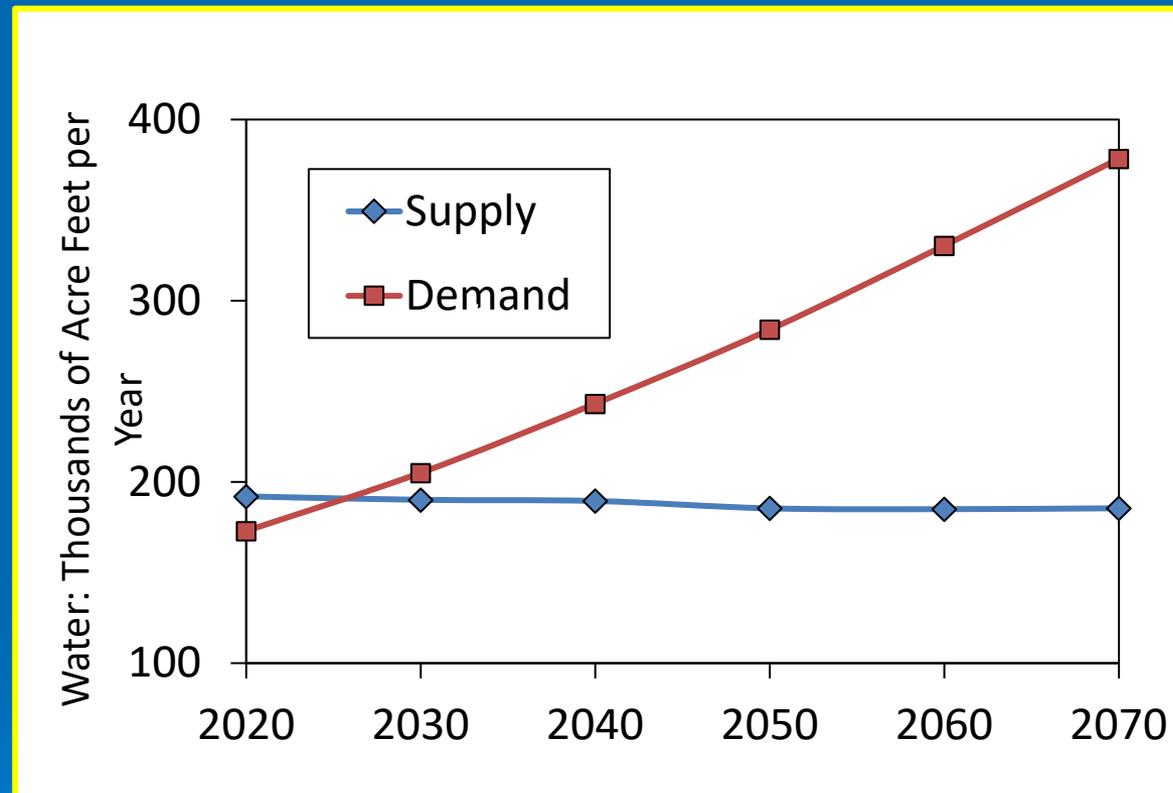
# Bell County

## Perspective of the Future



Projected Growth

# TWDB projected water supply and demands for Bell and Williamson Counties



Every drop counts!

\* Considering municipal, electric power, and mining sectors

# Operation Tasks

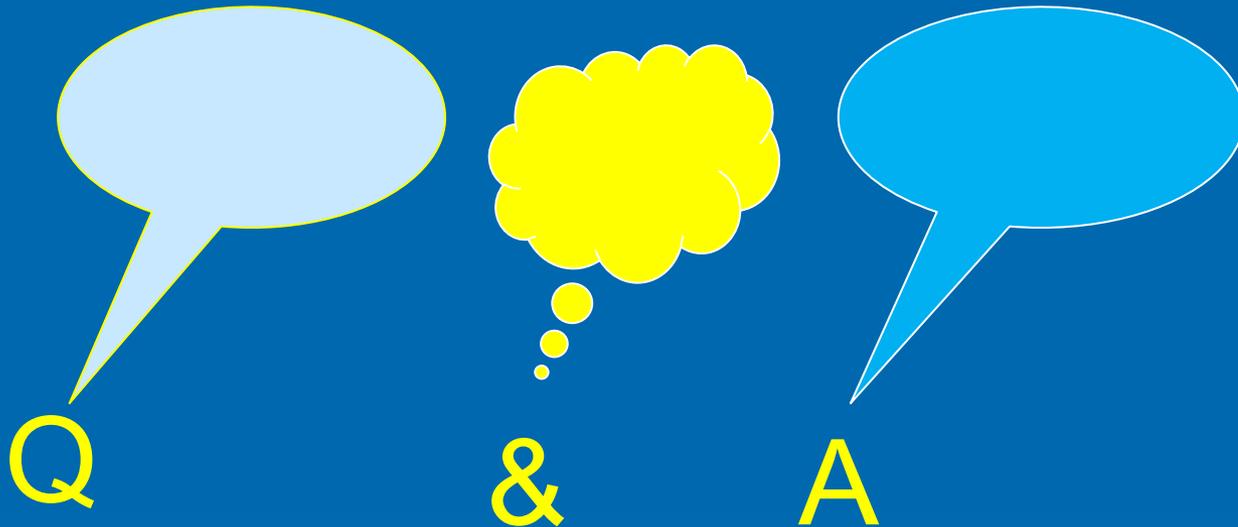
- Daily approval of Exempt Wells for Domestic Use
  - Conduct On-site inspections (WQ test)
- Property Sales “well disclosure”
  - Is the well in good standing with the District?
  - Does the well meet on-site septic setbacks?
- Review proposed Plats for Cities and County
  - Does tract size limit wells.
  - Are Wells in place an asset or liability to the Developer?
- Maintain Monitor Wells (Collect and Record Data)

# Issues Impacting Policy

- Rural VS Urban Growth (Conflict)
- Conservation (Societal Change)
- Water Availability (Planners / Procrastinators)
- Un-Managed Groundwater Areas
- Participation with Stakeholders
- Legislative Pressure (Uncertainty)

# Special Thanks Our Sponsors

We hope you will stay and enjoy the entire  
Event



*Every drop counts!*