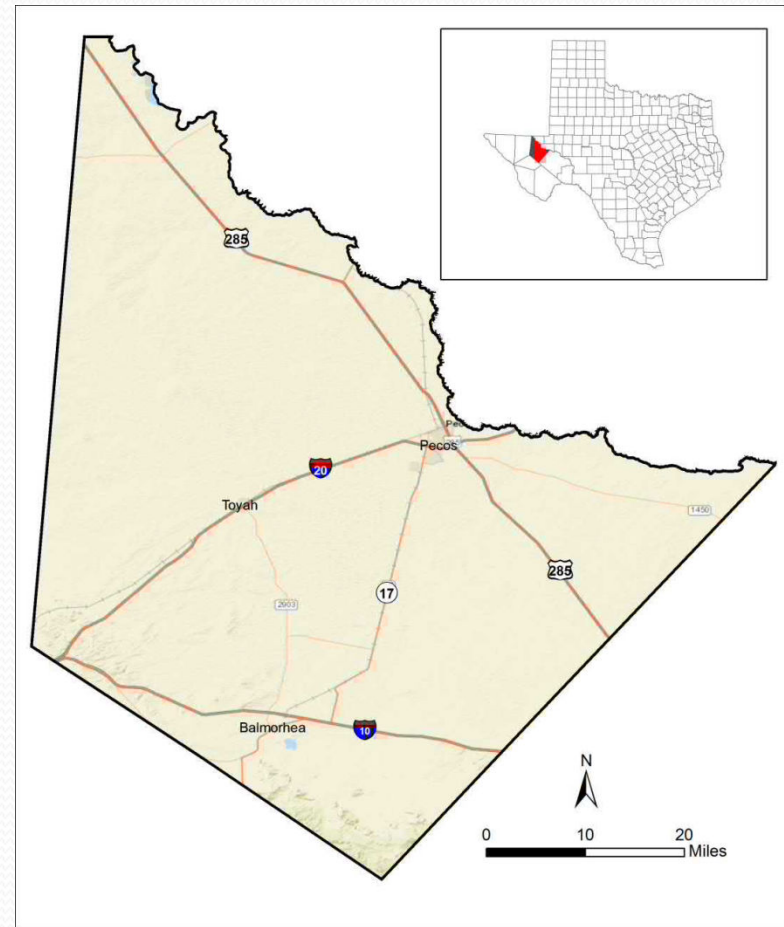


Introduction to Reeves County Groundwater Conservation District

Presented by Greg Perrin,
General Manager

Why Was The District Created?

- Discussion began in 1970s = more than 200,000 acres being cultivated
- More recent discussion:
 - Large number of GCDs in Texas
 - Local control v. State control
 - Concerns regarding industry use of water





Reeves County Today:

- Demographics are different—e.g., approximately 20,000 acres being cultivated
- District Board is mindful of importance of private property rights
- Seven-member Board appointed by County Commissioners
 - Three members = municipal water interests
 - Three members = agricultural interests
 - One member = rural water interests

West Texas Districts



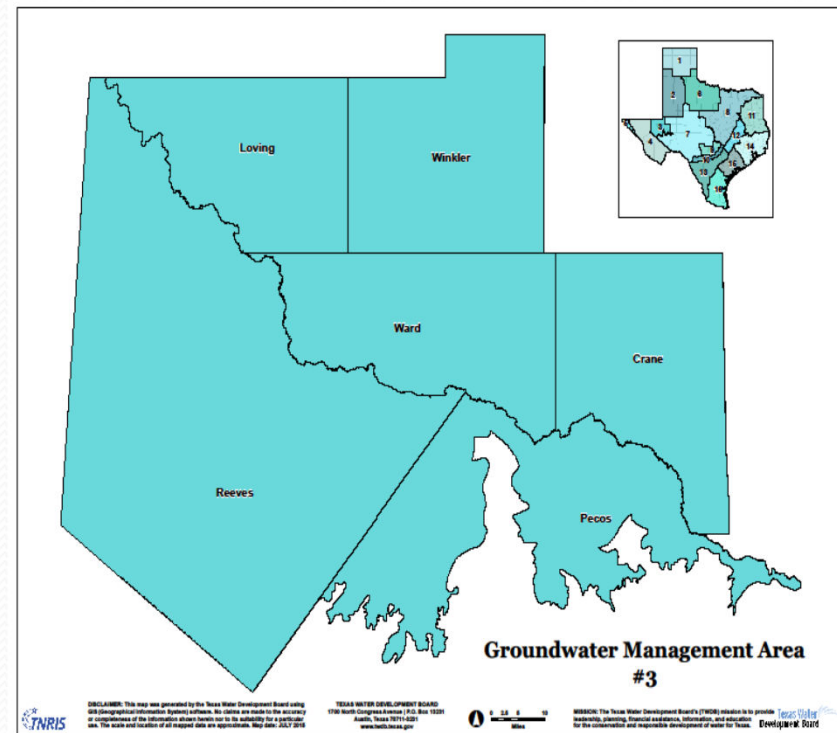


2018 Activities

- Meeting with stakeholders
- Working on state-mandated management plan and rules
- Participating in GMA 3

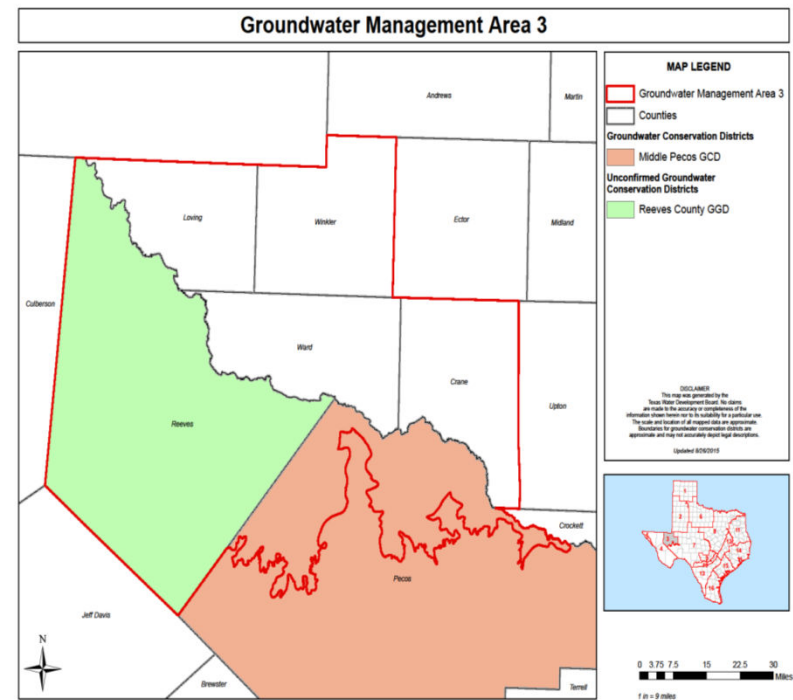
Planning For The Future

- Groundwater Management Area 3 is a groundwater planning area
- One of 16 GMAs that cover Texas
- Districts within each GMA participate in joint, long-term planning



Districts In GMA 3:

- Currently, there are two districts in GMA 3:
 - Reeves County GCD
 - Middle Pecos GCD

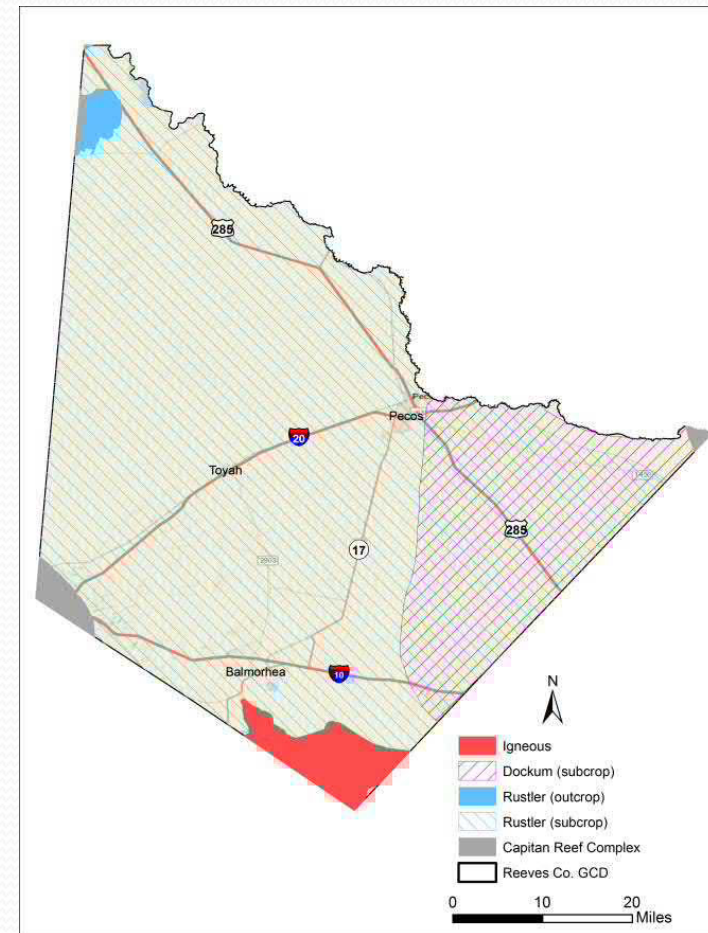
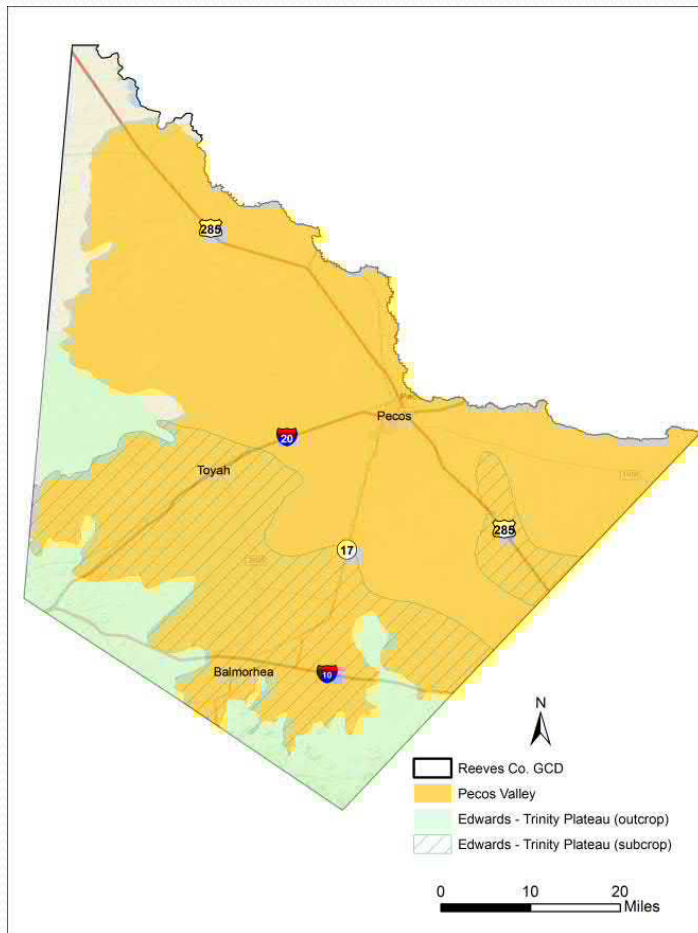




Sources of Groundwater in Reeves County

- Pecos Valley Aquifer
- Rustler Aquifer
- Dockum Aquifer

Locations Of Major And Minor Aquifers





How Much Groundwater Is Available For Use?

Availability depends largely on “Desired Future Conditions” or DFCs that are set by each GMA.

How Much Groundwater Is Available For Use?

DFCs =

- Essentially, what do we want each aquifer to look like in 50 years?
- DFCs “must provide a balance between the **highest practicable level of groundwater production** and the **conservation, preservation, protection, recharging, and prevention of waste of groundwater and control of subsidence in the management area**”
- Typically expressed as a target level of drawdown.



DFCs In Reeves County

- Pecos Valley = 8 feet of drawdown from 2010 level
- Rustler = 40 feet of drawdown from 2009 level
- Dockum = 20 feet of drawdown from 2012 level



DFCs Translate Into MAGs

- The Modeled Available Groundwater number for each aquifer is developed by TWDB using groundwater availability models.
- The MAGs are based on the DFCs.
- A MAG is the amount of groundwater that can be pumped, on average, each year for all uses and still achieve the DFC.



What Are The MAGs In Reeves County?

- Pecos Valley = 189,744 acre feet on an annual basis
- Rustler = 2387 acre feet on an annual basis
- Dockum = 2539 acre feet on an annual basis



Translating Acre Feet To Barrels

- An acre foot is the traditional unit of measure in the water supply world
- An acre foot = 325,851 gallons = 7758 barrels
- So, for example, the Rustler MAG = 18,519,198.5 barrels of water



Future Regulation By Reeves GCD

- Goal is to have rules in effect by Jan.1, 2019
- Registration of all existing and new wells
- For wells that require permits = **5 acre feet for every contiguous acre of land**
 - **38,791 barrels per acre**
- Initially, no meters.



Stakeholder Participation

- Meetings held monthly, typically on third Thursday
- District office location: 119 Si Cedar, Pecos 79772
- New website: www.reevescountygcd.org