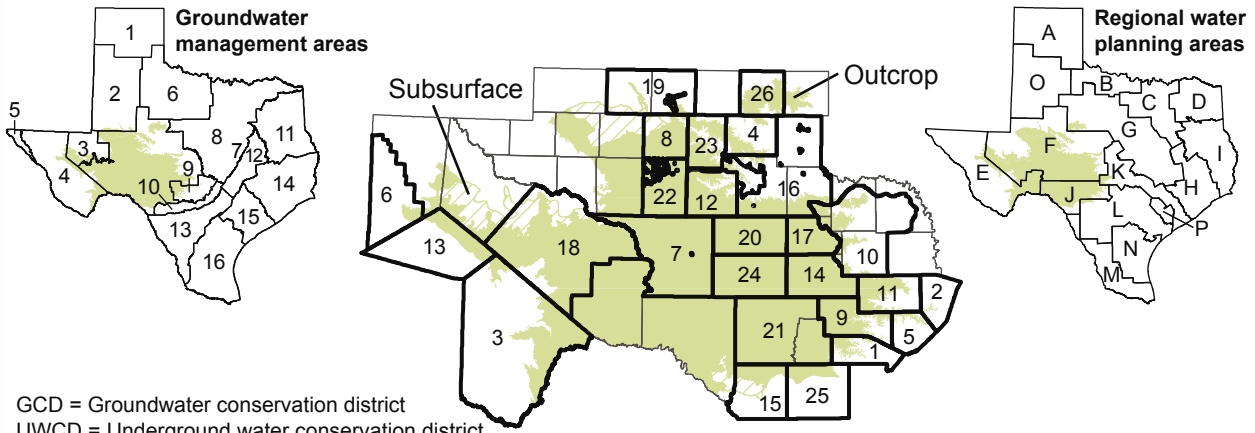


# Edwards-Trinity (Plateau) Aquifer



GCD = Groundwater conservation district  
 UWCD = Underground water conservation district  
 WCD = Water conservation district

- |  |                            |  |
|--|----------------------------|--|
| 1. Bandera County River Authority and Groundwater District | 9. Headwaters GCD          | 18. Middle Pecos GCD   |
| 2. Blanco-Pedernales GCD                                   | 10. Hickory UWCD No. 1     | 19. Permian Basin UWCD                                       |
| 3. Brewster County GCD                                     | 11. Hill Country UWCD      | 20. Plateau Underground Water Conservation & Supply District |
| 4. Coke County UWCD  | 12. Irion County WCD       | 21. Real-Edwards Conservation and Reclamation District       |
| 5. Cow Creek GCD   | 13. Jeff Davis County UWCD | 22. Santa Rita UWCD  |
| 6. Culberson County GCD                                    | 14. Kimble County GCD      | 23. Sterling County UWCD                                     |
| 7. Emerald UWCD  | 15. Kinney County GCD      | 24. Sutton County UWCD                                       |
| 8. Glasscock GCD   | 16. Lipan-Kickapoo WCD     | 25. Uvalde County UWCD                                       |
|  | 17. Menard County UWCD     | 26. Wes-Tex GCD  |

The Edwards-Trinity (Plateau) Aquifer is a major aquifer that extends across much of the southwestern part of the state. The water bearing units are composed predominantly of limestone and dolomite of the Edwards Group and sands of the Trinity Group. Water quality ranges from fresh to slightly saline and is characterized as hard within the Edwards Group and typically increases in salinity to the west within the Trinity Group. Elevated levels of fluoride occur within Glasscock and Irion counties. Springs occur along the northern, eastern, and southern margins of the aquifer mostly near the base of the Edwards Group and Trinity Group where exposed at the surface. San Felipe Springs is the largest along the southern margin. Of groundwater pumped from this aquifer, more than two thirds is used for irrigation, with the remainder used for municipal and livestock. Water levels have remained relatively stable because recharge has generally kept pace with the relatively low amounts of pumping over the extent of the aquifer. The planning groups recommend a couple water management strategies that use the Edwards-Trinity (Plateau) Aquifer, including the construction of a well field in Kerr County and public supply wells in Real County.

## Aquifer characteristics

- Area of outcrop: 32,294 square miles
- Area in subsurface: 2,988 square miles
- Availability: 572,515 acre-feet per year (2010 to 2060)
- Well yield: 50 to 1,000 gallons per minute
- Proportion of aquifer with groundwater conservation districts: 71 percent
- Number of counties containing the aquifer: 40

## Groundwater supplies with implementation of water management strategies

