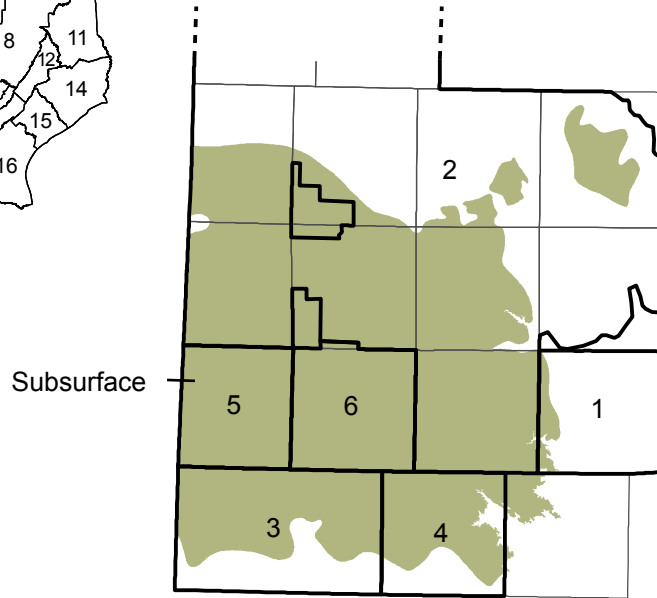
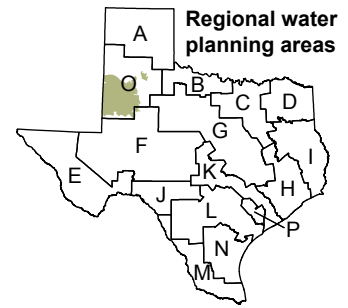
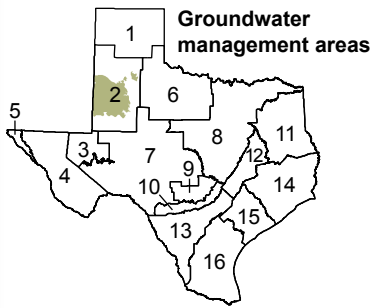


Edwards-Trinity (High Plains) Aquifer



1. Garza County Underground and Fresh WCD
2. High Plains UWCD No. 1
3. Llano Estacado UWCD
4. Mesa UWCD
5. Sandy Land UWCD
6. South Plains UWCD

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

The Edwards-Trinity (High Plains) Aquifer, a minor aquifer found in West Texas, consists of sandstone in the Antlers Formation (Trinity Group) and limestone of the Comanche Peak and Edwards formations. Water in the aquifer is fresh to slightly saline, contains more total dissolved solids than the overlying Ogallala Aquifer, and is poorest in quality where overlain by saline lakes or the Tahoka and Double Lakes formations, which contain gypsum. The aquifer provides water primarily for irrigation, and water level declines have occurred in some irrigated areas. The Llano Estacado Regional Water Planning Group recommends constructing one or more brackish groundwater desalination plants to treat water from the Edwards-trinity (High Plains) Aquifer in Lubbock County.

Aquifer characteristics

- Area of aquifer: 7,889 square miles
- Availability: 4,160 acre-feet per year (2010) to 2,065 acre-feet per year (2060)
- Well yield: 50 to 200 gallons per minute
- Proportion of aquifer with groundwater conservation districts: 95 percent
- Number of counties containing the aquifer: 14

Groundwater supplies with implementation of water management strategies

