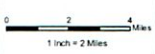


TRINITY AQUIFER
Central Texas GCD
Burnet, County

Legend

- Central Texas GCD
- Trinity (outcrop)
- Trinity (subcrop)
- Lake
- Stream
- Primary Limited Access
- Primary US & State Highways
- Secondary State & County Local Road
- Railroad
- Airport
- City Areas
- County



Trinity Aquifer

The Trinity aquifer is composed of three subdivisions; the Upper Trinity; the Middle Trinity and the Lower Trinity aquifers. The Upper Trinity aquifer is composed of the Paluxy Sand and Glen Rose Formation; the Middle Trinity aquifer is composed of the Hensell Sand and Cow Creek Limestone; and the Lower Trinity aquifer is composed of the Sligo Limestone and Hosston Sand. The Upper Trinity aquifer crops out in the majority of eastern and central Burnet County. The Middle Trinity has a limited outcrop in Burnet County, which occurs at or near the western most extent of the Trinity aquifer.

Upper Trinity

- The Paluxy overlies the Glen Rose and is present in the upland inter-stream areas. The formation is thin and unrecognizable during drilling. The Paluxy is not a source of groundwater in the District.
- The Glen Rose overlies the Hensell Sand and is a limited source of groundwater in the District. The primary limitation is saturated thickness. The Glen Rose Limestone is considered a source of groundwater. Well yields are sufficient for domestic and livestock use, but the formation is geographically limited due to being un-saturated or having a low saturated thickness. The Glen Rose generally yields 10-15 gpm wells.

Middle Trinity

- The Hensell Sand is the primary source of groundwater in the Trinity aquifer of the District. Except for wells completed in the Ellenburger below the Trinity in the western part of the Trinity area, the vast majority of wells are completed in the Hensell. Well yields in the Hensell are generally in the range of 10-40 gpm. However, along the Hwy. SH-29, well yields are frequently estimated to be greater than 50 gpm, and even up to 100+ gpm.
- The Cow Creek, being below the Hensell sand is saturated, but yields very little significant groundwater. The Cow Creek is not considered a significant source of groundwater in the District.

Lower Trinity

- The Hosston is present in the extreme eastern and southeastern part of the District. It is generally thin and not a significant source of groundwater in the District.

*Trinity Aquifer Characterization and Groundwater Availability Assessment Burnet County, May 2010

*Central Texas Groundwater Conservation District Management Plan, Adopted April 16, 2007