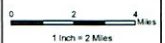


**HICKORY AQUIFER**  
**Central Texas GCD**  
**Burnet, County**

**Legend**

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





## Hickory Aquifer

- The Hickory aquifer occurs in the Llano Uplift region of Central Texas. Non-continuous Hickory Sandstone outcrops may overlie or flank exposed Precambrian rocks forming the central uplift core. The downdip (artesian) portion of the aquifer surrounds the uplift and may extend to depths approaching 4,500 feet. It is unknown if the aquifer occurs at this depth in Burnet County. The Hickory Sandstone Member of the Cambrian Riley Formation is one of the oldest sedimentary rock formations in Texas. In the southern and eastern extents of the aquifer, the Hickory consists of two units. The flow of the Hickory aquifer is restricted due to block faulting.
- Water from the aquifer is generally fresh, but locally may have alpha particle and radium concentrations in excess of drinking water standards. The water may contain radon gas. The Hickory may produce water with iron concentrations exceeding drinking water standards. (Ashworth and Hopkins, 1995) Water which exceeds a drinking water standard must be treated to meet or exceed the drinking water standard established by the United States Environmental Protection Agency before it may be distributed by a public water supply system.
- The Hickory aquifer occurs in parts of 19 counties in the Llano Uplift region of Central Texas.
- The recharge zone of the aquifer in Burnet County is approximately 18,011 acres.
- Most of the water pumped from the aquifer is used for irrigation. The largest capacity wells, however, have been completed for municipal water-supply purposes at Brady, Mason, and Fredericksburg.

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

\* Texas Water Development Board Report 345: Major and Minor Aquifers of Texas