

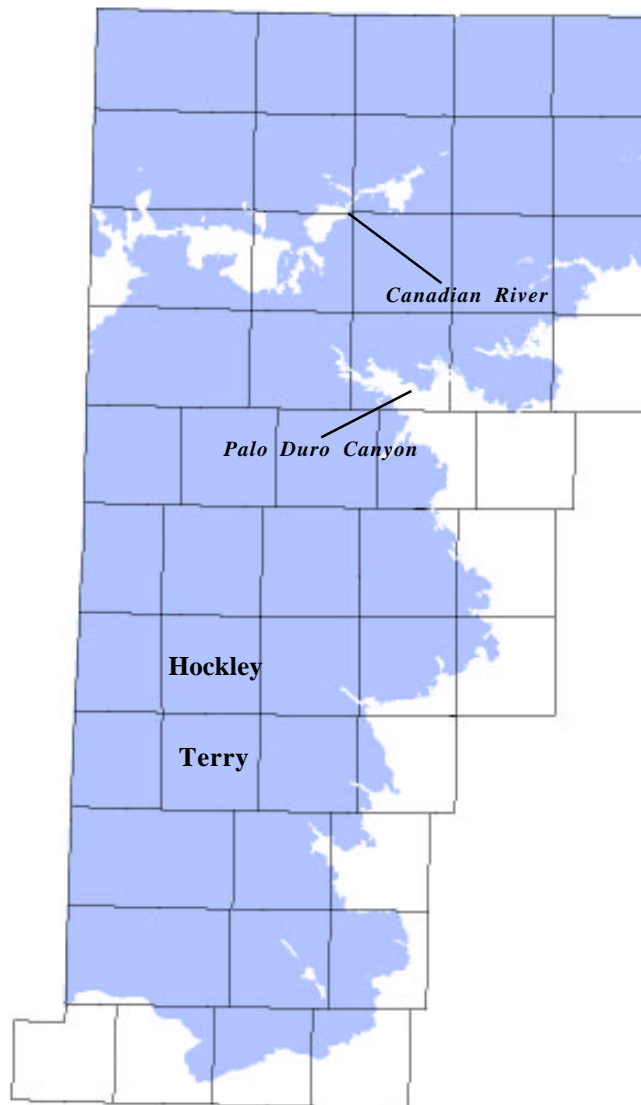
## DOCKUM

The Dockum aquifer lies beneath the Edwards- Trinity (High Plains) aquifer. The primary water-bearing sandstone formation in the Dockum is sometimes referred to as the “Santa Rosa”. However, limited data indicates that this best sandstone layer is so deep as to prohibit its use for almost any existing need in the District. Water quality in the Dockum is another concern, since it is of much poorer quality than either the Ogallala or Edwards-Trinity (HP). Currently, it seems the most likely practical use of the Dockum may be for water supply in hydrocarbon production activities.

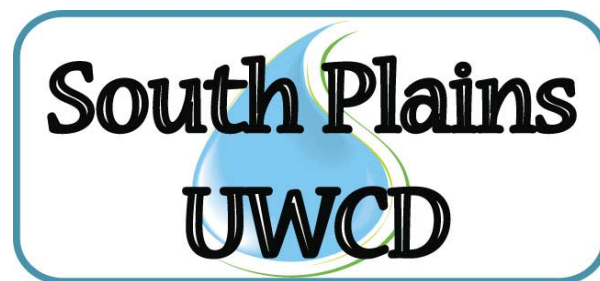
## WHERE DOES OUR WATER COME FROM?

The Ogallala Aquifer is the main source of water here. Both urban and rural residents depend on this underground resource. Water wells produce the supply which is distributed to local residents via pipelines. Currently, the communities of **Wellman** and **Meadow** depend solely on underground water from local wells. In **Brownfield**, local wells supplement a supply which is delivered by the Canadian River Municipal Water Authority (CRMWA). Historically, CRMWA delivered water solely from Lake Meredith in the Texas Panhandle. However, due to declining lake levels, an additional supply of groundwater is now mixed with the lake water. This groundwater is pumped from a well field purchased by CRMWA. In fact, approximately 50% of the CRMWA supply is comprised of groundwater from Roberts County, in the Texas Panhandle. Groundwater recharge in this area is almost negligible, which means the supply may diminish. As a result it is imperative that local residents use it wisely. Please help conserve this valuable resource.

## Ogallala Formation



## Aquifers of the South Plains UWCD



## South Plains Underground Water Conservation District

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