

## Desired Future Conditions

The North Texas Groundwater Conservation District ("District") is charged by the State of Texas with protecting the groundwater resources in Collin, Cooke and Denton Counties. The District is in the process of developing Desired Future Conditions ("DFCs") for the three counties within its boundaries, which is required to be done in conjunction with the 10 other groundwater conservation districts ("GCDs") within Groundwater Management Area 8 ("GMA 8"). GMA 8 is one of the largest GMAs in the state, covering the aquifers in several counties along the Red River, the Dallas/Fort Worth metroplex area, Waco, rural areas along IH-35, the Stephenville and surrounding rural areas, and extending all the way to the northern part of Austin.

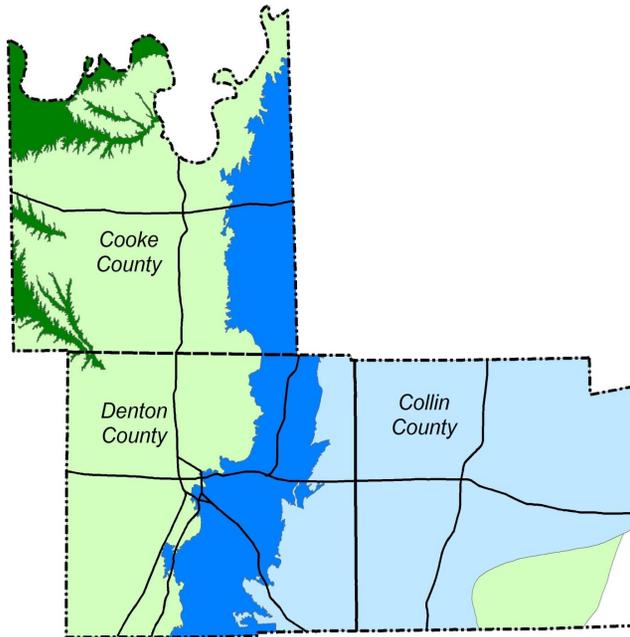
DFCs are defined in Section 36.001 of the Texas Water Code as the description of the desired condition of the groundwater resources in a management area at one or more specified future times. The DFCs provide long-term goals of how to manage the groundwater resources in the area. The current planning horizon for GMA 8 extends through 2070, which means that the DFCs established for the District provide long-term management goals for the groundwater resources in the local area through this time period.

GMA 8 is 1 of 16 GMAs across the state created to assist GCDs with joint planning for the common aquifers within the GMA. Each GCD appoints one (1) representative to serve as the voting member for that GCD in its respective GMA. A DFC must be approved by the GMA through a 2/3 vote of the GMA representatives, and the DFCs are then brought back to each individual GCD for final adoption. The GMAs in Texas operate on five (5) year planning cycles, similar to the regional water planning groups. This process allows the GCDs to refine and adjust the DFCs as necessary over time as more science and other applicable data is made available and improved upon.

Prior to the current round of joint planning, several of the GCDs in GMA 8, including the District, participated in funding a "Model Overhaul Project" to improve the Texas Water Development Board's groundwater availability model for the Northern Trinity and Woodbine Aquifers. Models are key tools for establishing the DFCs and showing how much groundwater is available for production in order to achieve a DFC at the end of the planning horizon. After the Model Overhaul Project was complete in 2015, the GMA 8 GCDs collectively performed 10 model simulations using a wide variety of pumping scenarios. These model runs provided the GMA 8 GCDs with a better understanding of the aquifers and the impacts to these aquifers from pumping. After careful consideration of all of the statutory factors and other relevant data and information, proposed DFCs were approved by the GMA 8 at its April 1, 2016 meeting. The District held a public hearing on the proposed DFCs that apply within its boundaries on May 10, 2016. GMA 8 will next meet to consider all public comments received on the proposed DFCs, and will vote to officially adopt the DFCs. Once GMA 8 adopts the DFCs, then the District must adopt those DFCs that apply within its boundaries. The current round of DFC planning is anticipated to be complete by early 2017.

The District will update its Groundwater Management Plan following its final adoption of the DFCs, and will thereafter begin the permanent rulemaking process to implement the DFCs, as required by law. The District anticipates having permanent rules in place by 2018.

## NTGCD Aquifer Overview

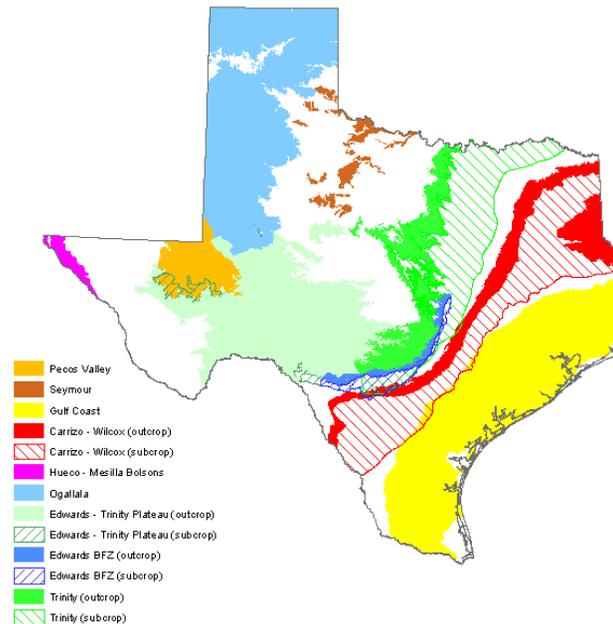


## NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT

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## Texas Aquifers



# Ways to Save Water

## In the bathroom:

- ◆ Replace showerheads with water efficient models
- ◆ Replace older toilets with high-efficiency toilets that use 1.3 gallons per flush
- ◆ Shut off water when brushing teeth

## In the laundry room:

- ◆ Wash only full loads
- ◆ Use cold water as often as possible

## In the kitchen:

- ◆ Run dishwasher only when full
- ◆ Install faucet aerators
- ◆ Use garbage disposals sparingly

## Outside:

- ◆ Water only when needed –once a week is sufficient in Texas weather
- ◆ Water early morning or late evening
- ◆ Plant drought tolerant shrubs and plants



# PLANT THE RIGHT GRASS FOR TEXAS

- ◆ Common Bermuda Grass
  - ⇒ Best for yards with little shade
  - ⇒ Drought tolerant
  - ⇒ Affordable
  - ⇒ Mowing height 1.5"
- ◆ Celebration Bermuda Grass
  - ⇒ Best for yards with partial shade
  - ⇒ Drought tolerant
  - ⇒ Very durable
  - ⇒ Mowing height 1.5"
- ◆ Zoysia Grass
  - ⇒ Best for yards with some sun but mostly shade
  - ⇒ Slow to establish, but very durable
- ◆ Buffalo Grass
  - ⇒ Great in direct sunlight
  - ⇒ Whispy appearance
  - ⇒ Not for heavy use
  - ⇒ Originated in Texas

# El Nino - La Nina

According to the NOAA website, during the past months, ENSO-neutral conditions have been observed. These conditions are the more “average” conditions.

The NOAA website also reflects that La Nina is favored to develop during August–October 2016, with about a 55-60% chance of La Nina during the fall and winter 2016-2017.

La Nina conditions usually are dry with below normal rainfall for North Central Texas.

## U.S. Seasonal Drought Outlook Valid for September 15 - December 31, 2016 Drought Tendency During the Valid Period Released September 15, 2016

