

**Meeting of the
Groundwater Management Area 8
November 18, 2015 in Cleburne, TX**

Minutes

The Groundwater Management Area 8 (GMA 8) district representatives (referred to herein collectively as “the Committee” for easy reference), which consists of representatives from the Central Texas Groundwater Conservation District, Clearwater Underground Water Conservation District, Middle Trinity Groundwater Conservation District, North Texas Groundwater Conservation District, Northern Trinity Groundwater Conservation District, Post Oak Savannah Groundwater Conservation District, Prairielands Groundwater Conservation District, Red River Groundwater Conservation District, Saratoga Underground Water Conservation District, Southern Trinity Groundwater Conservation District, and Upper Trinity Groundwater Conservation District, held a **Joint Planning meeting at 10:00 A.M. on Wednesday, November 18, 2015**, in the Cleburne Conference Center in Cleburne, Texas.

Groundwater Conservation District Representatives Present:

Central Texas GCD: Charles Shell	Red River GCD: David Gattis
Clearwater UWCD: Judy Parker	Middle Trinity GCD: Joe Cooper
Northern Trinity GCD: Bob Patterson	Upper Trinity GCD: Mike Massey
North Texas GCD: Eddy Daniel	Saratoga UWCD: Jason Jones
Post Oak Savannah GCD: Gary Westbrook	Southern Trinity GCD: Peter Kultgen
Prairielands GCD: Charles Bethesda	

Groundwater Conservation District Representatives Absent:

No Groundwater Conservation District Representatives were absent.

1. Invocation

Joe Cooper informed the group that Richard Bowers, a figure head in the groundwater world, President of TAGD twice, passed last Saturday unexpectedly. He requested that the group observe a moment of silence in honor of Richard Bowers.

Gary Westbrook provided the invocation for the meeting.

2. Call meeting to order and establish quorum.

Chairman Eddy Daniel, North Texas GCD, established that a quorum was present and called the GMA-8 meeting to order at 10:04 am.

3. Welcome and introductions.

Chairman Eddy Daniel skipped the introductions and welcomed the participants to the meeting.

4. Public Comments.

Chairman Eddy Daniel asked if any of the attendees had public comments to present to the GMA-8. There were no comments.

5. Approve minutes of September 2, 2015 GMA 8 meeting.

The draft minutes were presented for review. Peter Kultgen made a motion to accept the minutes as presented. David Gattis seconded the motion. Motion carried unanimously.

At this time Chairman Daniel asked that the group move out of the normal order of the agenda and address Item 9.

9. Updates from individual member districts of GMA-8 regarding other studies, reports, data, or developments relevant to GMA-8 joint planning activities.

Bill Mullican addressed the GMA-8 Group and asked if there were any items for discussion regarding setting the Desired Future Conditions (“DFC”).

Discussion ensued regarding the different metrics for setting the DFC.

Some examples of metrics include:

- Spring flow – how much water is discharging from the spring at a given time
- Percentage of remaining composite heads
- By aquifer
- By decline
- Percentage of water in storage

At this time, James Beach with LBG – Guyton Associates provided a presentation to the group regarding a run for some of the southern districts (5 districts participated). Run 9 was presented by Mr. Beach and discussed by the group. The required nine considerations were discussed as well.

Dirk Aaron commented on behalf of Clearwater UWCD, regarding the impacts of high pumping from Williamson County, an unmanaged area; articulating what is remaining in terms of artesian head; and the possibility of moving to managing by layer (there are three distinct layers in this District).

Mitchell Sodek commented regarding Burnett County (Central Texas GDC) concerning the District’s growth through mostly exempt wells, Williamson County’s high pumping affecting the eastern section of the District; and results of Run 9 on the District with most pumping in Hensell and Hosston Aquifers.

Peter Kultgen with Southern Trinity GCD discussed holding the pumping at the same rate with no increase, keeping the current modeled available groundwater.

Joe Cooper with the Middle Trinity GCD discussed expected growth, surface water use, small water supply corporations, and considering the amount of drawdown as an important metric when considering DFC.

Charles Beseda with Prairielands GCD suggested considering using 1.0 multiplier from the 2010 MAG and review the results.

Dirk Aaron suggested discussing area lakes and wholesale water purveyors of surface water. Bell County in particular has mostly confined down dip sections in the aquifer.

The group discussed self managing, brackish water issues, using surface water for primary source, some areas having no surface water available, informing potential well owners that their wells have to wait until surface water might be available, impacts on potential well owners, impacts of public water supply wells, and available drawdown remaining in 2070.

Discussion ensued regarding monitoring wells, economic disadvantage possibilities for communities resulting from DFC chosen, and affects of counties with no district.

At this time, Van Kelly with INTERA provided a presentation to the group updating them on the DFC process.

Mr. Kelly provided possible performance metrics and arriving at a common conclusion.

Performance metrics

1. Drawdown
2. Well impacts
3. Water budget
4. Drawdown in artesian head

Based upon a technical analysis of the different layers comprising the Trinity Aquifer Group in GMA-8, including their hydrostratigraphy, hydraulic properties, and lithology and the extent to which those layers are differentiable at different locations in GMA-8, Mr. Kelly proposed that the GMA-8 district representatives consider defining five hydrogeologic regions that are based upon that analysis and described in his presentation, and to use the aquifer definitions he identified for the layers of the Trinity Aquifer and the Woodbine Aquifer in each of those five regions for purposes adopting DFCs. He also proposed that the GMA-8 district representatives consider breaking out the DFCs for each of the defined aquifers by outcrop and subcrop.

At this time Chairman Daniel asked if there were any other updates from the Districts.

The group discussed unprotected counties (counties that are not located in a district) and their effects on adjoining areas. It was the consensus of the group that an item be placed on a future agenda to discuss these counties.

The GMA-8 moved back to the normal order of the agenda.

6. Briefing and discussion of the impacts of proposed DFCs on subsidence, as required by Texas Water Code Chapter 36.108 (d) (5).

Bill Mullican addressed the group regarding the administrative procedures adopted and how the procedures come into play in considering DFC for formal consideration.

Brian Sledge addressed the group, and the requirements for adopting DFC. Each district needs to request their DFC in writing, to Mr. Mullican, in time for him to distribute them 14 days before the meeting in which they are to be discussed. A 2/3 vote will be necessary to adopt the DFC at the meeting which they are discussed and considered. DFC formally considered need to be defended, or a decision made on why the DFC was not chosen. The nine statutes will need to be reviewed for the DFC chosen. Once the nine statutes have

been considered, the proposed DFC may be considered. Therefore, the DFC for formal consideration needs to be presented at the January meeting.

Mr. Sledge stated he is a proponent of Van's presentation - go down the DFC process as designed by legislature. Review what the group would like for the aquifers to look like at one or more times in the future. The group needs to develop a formulated approach, based on a formula and the effect on each MAG for each district.

At this time, Mr. Mullican proceeded with his presentation on subsidence. Mr. Mullican distributed a draft technical memorandum from research previously done related to the formerly proposed superconducting supercollider, which documented that subsidence not an issue in the region. Mr. Mullican stated that once a DFC has been proposed for formal consideration and evaluation under the nine statutory criteria, he will revisit the issue to evaluate it against the DFC and finalize the memorandum.

7. Discussion and consideration of next steps necessary to establish potential proposed Desired Future Conditions - District Representatives

Chairman Daniel stated meetings have been set for January, February, March and April of 2016. North Texas GCD will be getting another model run to help in the decision process. Mr. Daniel stated the District representatives need to be able to come to the January 22 meeting ready to submit their formal DFC. Discussion ensued regarding the basis on which the DFC is set (county, aquifer, district), management plans and the DFC statement, converting runs to percent of availability

8. Update on the socioeconomic impacts reasonably expected to occur, as required by the Texas Water Coce, Chapter 36.108 (d) (6)

Bill Mullican requested that if any of the District representatives are aware of a socioeconomic study done by an economist in the District please forward a copy of the study to him.

9. Updates from individual member districts of GMA-8 regarding other studies, reports, data or developments relevant to GMNA-8 joint planning activities.

This item was previously discussed.

10. Discussion of possible agenda items for next GMA-8 meeting.

This item was previously discussed.

11. Set date, time, and place of next meeting.

The next meeting was tentatively scheduled for January 22 at 10:00am at the Cleburne Conference Center.

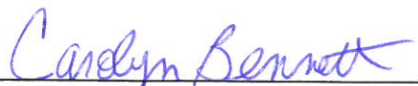
12. Closing comments.

Region D Water Planning Group needs to be apprised of the status of the GMA-8 DFC process.

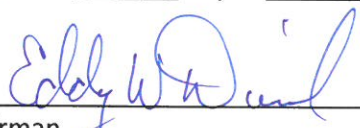
13. Adjourn.

The GMA-8 membership unanimously agreed to adjourn the meeting at 12:44pm

The GMA 8 Committee unanimously approved the minutes on this 17th day of February, 2016.



Recording Secretary



Chairman