

## **Item 11c – Update of GMA 12 Regional Planning Meeting**

GMA 12 representatives will meet in Milano, Texas on Tuesday, September 24, 2019 to discuss:

- Joint planning efforts
- Results of the predictive scenario GAM run PS 7 asked for by the GMA panel during the August 2, 2019 meeting.
- Declaration of non-relevant aquifers (Gulf Coast Aquifer | BVGCD)
- Task consultants to make model runs for the Yegua-Jackson Aquifer using the same well files as the last cycle. Actual pumping for the 2010-2018 time-frame will be updated.
- Task consultants to determine the best approach for merging the two existing Brazos River Alluvium Aquifer groundwater models as it relates to 2021 DFC determination
- Discussion of DFC expressions among GMA members

### **Predictive Scenarios**

The PS 7 GAM run was presented at the meeting at the September meeting. This run will mirror PS 2 (75% of permitted production ramped up over the projected pumping horizon needs) without drought consideration. Models runs PS 4-6 established that extended drought over two windows in the 5-year horizon had a de minimus effect of water levels.

PS 7 clearly established why it was critical to update the old GAM. The run established that the effect of pumping reached last cycle using the best predictive pumping scenarios was far greater than the updated model forecasts. The three districts (POSGCD, LPGCD, BVGCD) where major pumping occurs or will be occurring show less artesian head decline with far more predicted pumping in each of the districts.

The hydrogeological consultants are still going through a learning curve on how to run the model and obtain similar results. Intera is proofing all of the runs done by D.B. Stephens having found some discrepancies that needed resolving. The modeling effort will be an ongoing and evolving process.

The GMA panel agreed to create a “white paper” detailing how GMA 12 uses the best available science to determine DFCs, why DFCs can vary from district to district using this science, and how the DFCs are a regional effort to manage the shared aquifers. There has been some concern expressed by some legislators about the disparate nature of DFCs in adjoining districts. It is the goal of the GMA members to educate

these legislators and the public that the GMA process functions properly and is the regional aquifer management process that it was intended to be.

GW Consultants and Intera have been tasked to develop parameters for a Brazos River Alluvium Aquifer GAM run allowing affected districts to approach their boards for approval prior to the end of 2019.

The next meeting will be held November 15, 2019 in Milano, Texas.

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