

STATE OF TEXAS

§

§

COUNTIES OF BEXAR,

§

CALDWELL, COMAL,

§

GUADALUPE, HAYS, KINNEY,

§

MEDINA, TRAVIS, AND

§

UVALDE

§

RESOLUTION #

GMA 10 2026-09-21

THE DISTRICT REPRESENTATIVES OF GROUNDWATER MANAGEMENT AREA

10

**CONSIDERING A RESOLUTION TO ADOPT DESIRED FUTURE CONDITIONS FOR
EACH OF THE AQUIFERS IN GMA 10 RELEVANT FOR JOINT PLANNING
PURPOSES**

WHEREAS, the District Representatives of Groundwater Management Area (GMA) 10 comprises representatives designated by each of the Groundwater Conservation Districts (GCDs) located wholly or partially within the boundaries of GMA 10, as defined by the Texas Water Development Board: Barton Springs/Edwards Aquifer Conservation District, Comal Trinity GCD, Edwards Aquifer Authority, Kinney County GCD, Medina County GCD, Plum Creek Conservation District, and Uvalde County Underground Water Conservation District; and

WHEREAS, Chapter 36.108 of the Texas Water Code requires that the representatives of the GCDs in GMA 10 jointly conduct prescribed groundwater planning to establish relevant and non-relevant aquifers for joint planning purposes and to propose and adopt Desired Future Conditions (DFCs) for all relevant aquifers in the GMA for a fifty-year planning period; and

WHEREAS, the Texas Legislature has determined that no DFC for the Edwards Aquifer within the Edwards Aquifer Authority (EAA)'s jurisdiction is required to be established by the joint planning in GMA 10, and that the EAA is statutorily excluded from the requirement to participate as a voting member of the GMA for joint planning of other aquifers; and

WHEREAS, the District Representatives has further subdivided the Edwards Aquifer in GMA 10 on the basis of considerations prescribed in 36.108(d) and other relevant scientific and hydrogeological data to establish different DFCs, as authorized by Chapter 36.108(d-1), into the Western GMA Subdivision and the Northern GMA Subdivision and

WHEREAS, the District representative s of GMA 10 have identified the following as relevant aquifers for joint planning purposes:

1. Freshwater Edwards, Northern Subdivision

2. Saline Edwards, Northern Subdivision
3. Freshwater Edwards, Western Subdivision (relevant only in Kinney County)
4. Trinity (relevant down dip of its recharge zone)
5. Austin-Buda (relevant only in Uvalde County)
6. Leona Gravel (relevant only in Uvalde County)

WHEREAS, the members of the District Representatives for GMA 10 have:

- evaluated available scientific information concerning the hydrogeologic characteristics of the relevant aquifers,
- considered previous DFCs and the ability of the member GCDs to achieve their performance standards;
- conducted additional studies as needed to further assess the aquifer performance and impacts of groundwater production on other resources,
- evaluated the results of groundwater availability modeling by the TWDB of alternate groundwater management scenarios, and
- considered the nine factors for establishing DFCs that are stipulated in Chapter 36.108(d); and

WHEREAS, GMA 10 timely proposed DFCs for the relevant aquifers before the statutorily required date of May 1, 2021, and held public meetings in accordance with posting and notice requirements of State law to discuss the proposed DFCs and to receive input from stakeholders and the public on the proposed DFCs; and

WHEREAS, the District representatives intend to adopt DFCs for each of the six relevant aquifers, and one or more GCDs in GMA 10, as applicable, and intend to manage groundwater within each of the six relevant aquifers to achieve the DFCs; and

WHEREAS, the District Representatives have determined that the proposed DFCs for each relevant aquifer: 1) provide a balance between achieving the highest practicable level of groundwater production and the conservation, preservation, protection, recharging, and prevention of waste of groundwater and control of subsidence in the management area; and 2) provide for the reasonable long-term management of groundwater resources consistent with the management goals under Section 36.1071(a). :

NOW, THEREFORE, BE IT RESOLVED that the District Representatives of Groundwater Management Area 10 adopts the following Desired Future Conditions for the relevant aquifers in GMA 10:

1. Edwards (Balcones Fault Zone) Aquifer in Barton Springs-Edwards Aquifer Conservation District and non-district Travis County:

- a. Springflow at Barton Springs during average recharge conditions shall be no less than 49.7 cubic feet per second averaged over an 84 month (7-year) period; and
 - b. springflow of Barton Springs during extreme drought conditions, including those as severe as a recurrence of the 1950s drought of record, shall be no less than 6.5 cubic feet per second average on a monthly basis;
2. Saline Edwards Aquifer in the Northern GMA Subdivision:
No more than 75 feet of regional average potentiometric surface drawdown due to pumping when compared to pre-development conditions;
3. Edwards (Balcones Fault Zone) Aquifer in Kinney County Groundwater Conservation District:
The water level in well 70-38-902 shall not fall below 1,184 ft mean sea level;
4. Trinity Aquifer:
 - a. The average water level measured during any 3-year time span at the Barton Springs-Edwards Aquifer Conservation District's monitoring wells included in Table 1 of Exhibit A shall remain above or equal to the levels specified in the Desired Future Conditions column for each well. Desired modeled water levels from the groundwater availability model for the Southern Portion of the Trinity Aquifer (Harding and Wade, 2026) which approximately correlate to the measured water levels shall remain above or equal to the levels shown in the Modeled Future Condition column from the corresponding model node number in the Node Number column in Table 1.
 - b. Average drawdown across Comal Trinity Groundwater Conservation District from the end of the year 2020 shall not exceed 55 feet by the year 2080
 - c. Average drawdown across Medina County Groundwater Conservation District from the end of the year 2011 shall not exceed 18 feet by the year 2080
 - d. Average drawdown across Plum Creek Conservation District from the end of the year 2018 shall not exceed 16 feet by the year 2080
 - e. Average drawdown across Bexar County from the end of the year 2020 shall not exceed 29 feet by the year 2080
 - f. Average drawdown across non-district Guadalupe County from the end of the year 2020 shall not exceed 28 feet by the year 2080
 - g. Average drawdown across non-district Travis County from the end of the year 2020 shall not exceed 10 feet by the year 2080
5. Trinity Hydrostratigraphic Unit:
 - a. Average drawdown across Uvalde County Underground Water Conservation District from the end of the year 2018 shall not exceed 60 feet by the year 2080
6. Austin-Buda Limestone Aquifer(s), relevant in Uvalde County only:
 - a. Buda Limestone: No drawdown (including exempt and non-exempt use)
 - b. Austin Chalk: No drawdown (including exempt and non-exempt use)

7. Leona Gravel Aquifer, relevant in Uvalde County only:
No drawdown (including exempt and non-exempt use)

The motion to approve the resolution passed, with 4 ayes, and 0 nays.

PASSED AND APPROVED THIS THE 21th DAY OF September, 2021:



Charlie Flatten, Chair
GMA 10 Joint Planning Committee

ATTEST:



Voting Member,
GMA 10 Joint Planning Committee

Exhibit A

Table 1: Desired Future Conditions for Barton Springs Edwards Aquifer Conservation District

State Well Number	Desired Future Condition (two-yr average measured elevation [ft-msl])	Modeled Future Condition (water level elevation [ft-msl])	Node Number
5764613	642	711 to 765	189,230
5764922	638	704 to 764	189,550
5857513	563	631 to 657	186,270
5858431	555	547 to 563	184,726