

**GROUNDWATER
MANAGEMENT
AREA 8**

JOINT PLANNING MEETING

Prairielands Groundwater Conservation District Office
208 Kimberly Dr.
Cleburne, Texas 76031

**THURSDAY
February 26, 2026
10:00 AM**

**NOTICE OF MEETING
GROUNDWATER MANAGEMENT AREA 8**

Notice is hereby given that the groundwater conservation districts located wholly or partially within Groundwater Management Area (GMA) 8, as designated by the Texas Water Development Board (TWDB), consisting of 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 will hold a **Joint Planning meeting at 10:00 A.M. on February 26, 2026** at the **Prairielands Groundwater Conservation District Office** located at **208 Kimberly Dr., Cleburne, Texas 76031**. The meeting will be open to the public. The following items of business will be discussed and potentially acted upon:

1. Invocation.
2. Call meeting to order and establish quorum.
3. Welcome and introductions.
4. Public comment.
5. Consider and act upon approval of minutes from the January 29, 2026, GMA 8 meeting.
6. Discussion and possible action on the overview and timeline for DFC Joint Planning.
7. Discussion and possible action on the Northern Trinity and Woodbine Aquifer Groundwater Availability Model Update and review timeline.
8. Discussion and possible action on Model Run 4.7 for DFC Planning.
9. Discussion and possible action on additional model runs for DFC Planning.
10. Discussion and possible action on how to state the Desired Future Conditions for this round of planning.
11. Consider and act upon a resolution of GMA 8 designating certain aquifers as non-relevant for Joint Planning Purpose.
12. Discussion and possible action on the Desired Future Conditions for the Llano Uplift Aquifer System.
13. Discussion and possible action on the Desired Future Conditions for the Cross Timbers Aquifer.
14. Discussion and possible action on the Desired Future Conditions for the Edwards (Balcones Fault Zone) Aquifer.
15. Updates from the TWDB.

16. Discussion of possible agenda items and dates for next GMA 8 meeting.
17. Closing comments.
18. Adjourn.

Dated this 9th day of February, 2026

Mitchell Sodek, Chair
Groundwater Management Area 8

The above agenda schedules represent an estimate of the order for the indicated items and is subject to change at any time. These public meetings are available to all persons regardless of disability. If you require special assistance to attend the meeting, please call (855) 426-4433 at least 24 hours in advance of the meeting to coordinate any special physical access arrangements.

For questions regarding this notice, please contact Velma Starks at (855) 426-4433, at ntgcd@northtexasgcd.org, or at 5100 Airport Drive, Denison, TX 75020.

At any time during the meeting or work session and in compliance with the Texas Open Meetings Act, Chapter 551, Government Code, Vernon's Texas Codes, Annotated, the Groundwater Management Area 8 may meet in executive session on any of the above agenda items or other lawful items for consultation concerning attorney-client matters (§551.071); deliberation regarding real property (§551.072); deliberation regarding prospective gifts (§551.073); personnel matters (§551.074); and deliberation regarding security devices (§551.076). Any subject discussed in executive session may be subject to action during an open meeting.

ATTACHMENT 5

**Meeting of the
Groundwater Management Area 8
January 29, 2026**

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 Thursday, January 29, 2026**, at the **Prairielands Groundwater Conservation District Office** located at **208 Kimberly Dr., Cleburne, Texas 76031**.

Groundwater Conservation District Representatives Present:

| | |
|---------------------------------------|---|
| Central Texas GCD: Mitchell Sodek | Prairielands GCD: Kathy Turner Jones |
| Clearwater UWCD: Whitney Ingram | Red River GCD: David Gattis |
| Middle Trinity GCD: Patrick Wagner | Southern Trinity GCD: Scooter Radcliffe |
| North Texas GCD: Paul Sigle | Upper Trinity GCD: Doug Shaw |
| Northern Trinity GCD: Corey Jones | |
| Post Oak Savannah GCD: Gary Westbrook | |

Groundwater Conservation District Representatives Absent:
Tasha Bates (Saratoga UWCD)

1. *Invocation*

David Gattis provided the invocation for the meeting.

2. *Call meeting to order and establish quorum*

Chairman Mitchell Sodek, Central Texas GCD, established that a quorum was present and called the GMA 8 meeting to order at 10:01 a.m.

3. *Welcome and introductions.*

Chairman Mitchell Sodek, Central Texas GCD, welcomed TWDB and consultants.

4. *Public Comments.*

No public comment.

5. *Consider and act upon approval of minutes from the November 14, 2025, GMA 8 meeting*

Motion to approve by Scooter Radcliffe. Second by David Gattis. Motion passed unanimously.

6. Discussion and possible action on the overview and timeline for DFC Joint Planning.

Neil Deeds of Intera provided an update of the DFC Joint planning timeline. No action taken.

7. Discussion and possible action on the Northern Trinity and Woodbine Aquifer Groundwater Availability Model Update and review timeline.

Neil Deeds of Intera provided an update on the GAM model update timeline. Approval pending TWDB. No action taken.

8. Discussion and possible action on Model Run 4.6 for DFC Planning.

Neil Deeds of Intera provided an overview of current model run and methods. Discussion was held on the model run and the Williamson County MAG. No action taken.

9. Discussion and possible action on additional model runs for DFC Planning.

Discussion held on increasing production for Dallas County, slowing ramp-up for Williamson County, forming a technical committee of GCDs neighboring Williamson County to discuss 4.7 modelling towards percent available.

Motion by Paul Sigle to form technical committee (Clearwater, Central Texas, Prairielands, Post Oak Savannah, Southern Trinity GCDs). Second by Doug Shaw. Motion passed unanimously.

10. Discussion and possible action on how to state the Desired Future Conditions for this round of planning.

Neil Deeds of Intera reviewed the DFC statement from the last round of planning. Discussion held on what to adopt for next round of DFC statement. No action taken.

11. Presentations and discussions relate to Desired Future Conditions pursuant to Texas Water Code Section 36.108(d) for (8) the feasibility of achieving the desired future condition.

Neil Deeds presented on the feasibility of achieving DFC and other relevant information from 2021 Joint Planning Cycle. No discussion.

12. Discussion and possible action on an explanation in the explanatory report for how each district is monitoring, tracking and performing in achieving the Desired Future Conditions.

Explanations needed by early March, before March GMA meeting. Discussion held on what will be included on the District level. No action taken.

13. Discussion and possible action on an explanation in the explanatory report on why a Desired Future Conditions is different from the Desired Future Conditions adopted in the previous planning period.

Discussion that DFCs will differ due to model recalibration, explanation needed before March GMA meeting. No action taken.

14. ***Consider and act upon a resolution declaring the Cross Timbers formation within Erath and Comanche Counties contained within Groundwater Management Area 8 to be non-relevant for joint planning purposes.***

CT formation is in low production/volume in these counties. Discussion on what explanations are required by TWDB to designate aquifer as non relevant. No action taken.

Motion by Whitney Ingram to table until resolution provided. Kathy Turner Jones second. Motion passes unanimously.

15. ***Consider and act upon a resolution declaring the Brazos River Alluvium formation within Groundwater Management Area 8 to be non-relevant for joint planning purposes.***

Scooter Radcliffe provided an overview of the aquifer's relevancy to Southern Trinity GCD. Will provide a resolution at next GMA meeting that the aquifer is relevant to Southern Trinity GCD, but non-relevant for joint planning purposes.

Possible resolution to designate Blossom, Nacatoch, Brazos River Alluvium, and Llano Uplift Aquifers as relevant or non-relevant at next meeting.

No action taken.

16. ***Discussion and possible action on the Northern Segment of the Edwards (Balcones Fault Zone) Aquifer Groundwater Availability Model for Joint Planning.***

Mike Keeester of KT Groundwater presented on modeling methods and conclusions of Northern Segment of the Edwards Aquifer GAM runs. Discussion held on using version 1 of the GAM run.

Motion by Whitney Ingram to use version 1 of the GAM run as presented by Mike Keester. Second by Doug Shaw. Motion passes unanimously.

17. ***Updates from the TWDB.***

Robert Bradley of TWDB provided updates from TWDB.

18. ***Discussion of possible agenda items and dates for next GMA 8 meeting.***

Resolution to designate Blossom, Nacatoch, Brazos River Alluvium, and Llano Uplift Aquifers as relevant or non-relevant and discussion of adopting DFCs.

Next meeting February 26th, 2026 to discuss findings of the technical committee.

19. ***Closing comments.***

No closing comments.

20. Adjourn

Chairman Mitchell Sodek, Central Texas GCD, declared the meeting adjourned at 12:10 p.m.

Motion by David, second by Kathy.

The GMA 8 Committee unanimously approved the minutes on this _____ day of _____, 2026

Recording Secretary

Chairman

ATTACHMENT 11

RESOLUTION NO. [____]

**A RESOLUTION OF GROUNDWATER MANAGEMENT AREA 8 DESIGNATING CERTAIN
AQUIFERS AS NON-RELEVANT FOR JOINT PLANNING PURPOSES**

WHEREAS, Chapter 36 of the Texas Water Code requires groundwater conservation districts within a Groundwater Management Area (GMA) to engage in joint planning and to identify the aquifers within the GMA that are relevant for the purpose of establishing desired future conditions; and

WHEREAS, the member districts of Groundwater Management Area 8 (“GMA 8”) have reviewed information pertaining to the Cross Timbers Aquifer in all areas of GMA 8 other than within Upper Trinity GCD, the Nacatoch Aquifer within GMA 8, the Blossom Aquifer within GMA 8 and the Brazos River Alluvium Aquifer within GMA 8 (collectively referred to as the “Non-Relevant Aquifers”); and

WHEREAS, GMA 8 has determined that the Non-Relevant Aquifers occur only in limited geographic areas within the GMA, generally have low water availability, limited use, or minimal hydrogeologic significance to regional groundwater management efforts; and

WHEREAS, based on technical data, hydrogeologic characteristics, and current or projected groundwater use, GMA 8 finds that the Non-Relevant Aquifers do not warrant designation as relevant aquifers for purposes of joint planning under §36.108 of the Texas Water Code; and

WHEREAS, certain member groundwater conservation districts of GMA 8 with the Non-Relevant Aquifers within their boundaries have individually reviewed and approved this determination through adoption of supporting resolutions, as attached hereto;

NOW, THEREFORE, BE IT RESOLVED that:

1. The Cross Timbers Aquifer in all areas of GMA 8 other than within Upper Trinity GCD, the Nacatoch Aquifer within GMA 8, the Blossom Aquifer within GMA 8, and the Brazos River Alluvium Aquifer within GMA 8 are hereby designated as non-relevant aquifers within GMA 8 for joint planning purposes.
2. The member districts shall not establish desired future conditions or model simulations for these non-relevant aquifers.
3. This resolution shall be included in the official record of GMA 8 proceedings and transmitted to the Texas Water Development Board in accordance with applicable rules and guidance.
4. The resolutions adopted by certain member groundwater conservation districts of GMA 8 with these non-relevant aquifers within their boundaries in support of this action are attached hereto as **Exhibit A** and incorporated herein by reference.

PASSED AND APPROVED this ____ day of _____, 2026, by Groundwater Management Area 8.

SIGNED:

Mitchell Sodek, Chair

Doug Shaw, Vice Chair

EXHIBIT A

RESOLUTIONS OF MEMBER GROUNDWATER CONSERVATION DISTRICTS

The following resolutions from certain member groundwater conservation districts of GMA 8 are attached in support of this action:

1. Post Oak Savannah GCD – Brazos River Alluvium Resolution, adopted July 8, 2025
2. Middle Trinity GCD – Cross Timbers Resolution, adopted December 11, 2025
3. Middle Trinity GCD – Brazos River Alluvium Resolution, adopted December 11, 2025
4. North Texas GCD – Cross Timbers Resolution, adopted February 10, 2026

(Attach certified copies of all member district resolutions)

RESOLUTION NO. [____]

**A RESOLUTION OF GROUNDWATER MANAGEMENT AREA 8 DESIGNATING CERTAIN
AQUIFERS AS NON-RELEVANT FOR JOINT PLANNING PURPOSES**

WHEREAS, Chapter 36 of the Texas Water Code requires groundwater conservation districts within a Groundwater Management Area (GMA) to engage in joint planning and to identify the aquifers within the GMA that are relevant for the purpose of establishing desired future conditions; and

WHEREAS, the member districts of Groundwater Management Area 8 (“GMA 8”) have reviewed information pertaining to the Cross Timbers Aquifer in all areas of GMA 8 other than within Upper Trinity GCD, the Nacatoch Aquifer within GMA 8, the Blossom Aquifer within GMA 8 and the Brazos River Alluvium Aquifer within GMA 8 (collectively referred to as the “Non-Relevant Aquifers”); and

WHEREAS, GMA 8 has determined that the Non-Relevant Aquifers occur only in limited geographic areas within the GMA, generally have low water availability, limited use, or minimal hydrogeologic significance to regional groundwater management efforts; and

WHEREAS, based on technical data, hydrogeologic characteristics, and current or projected groundwater use, GMA 8 finds that the Non-Relevant Aquifers do not warrant designation as relevant aquifers for purposes of joint planning under §36.108 of the Texas Water Code; and

WHEREAS, certain member groundwater conservation districts of GMA 8 with the Non-Relevant Aquifers within their boundaries have individually reviewed and approved this determination through adoption of supporting resolutions, as attached hereto;

NOW, THEREFORE, BE IT RESOLVED that:

1. The Cross Timbers Aquifer in all areas of GMA 8 other than within Upper Trinity GCD, the Nacatoch Aquifer within GMA 8, the Blossom Aquifer within GMA 8, and the Brazos River Alluvium Aquifer within GMA 8 are hereby designated as non-relevant aquifers within GMA 8 for joint planning purposes.
2. The member districts shall not establish desired future conditions or model simulations for these non-relevant aquifers.
3. This resolution shall be included in the official record of GMA 8 proceedings and transmitted to the Texas Water Development Board in accordance with applicable rules and guidance.
4. The resolutions adopted by certain member groundwater conservation districts of GMA 8 with these non-relevant aquifers within their boundaries in support of this action are attached hereto as **Exhibit A** and incorporated herein by reference.

PASSED AND APPROVED this ___ day of _____, 2026, by Groundwater Management Area 8.

SIGNED:

Mitchell Sodek, Chair

Doug Shaw, Vice Chair

EXHIBIT A

RESOLUTIONS OF MEMBER GROUNDWATER CONSERVATION DISTRICTS

The following resolutions from certain member groundwater conservation districts of GMA 8 are attached in support of this action:

1. Post Oak Savannah GCD – Brazos River Alluvium Resolution, adopted July 8, 2025
2. Middle Trinity GCD – Cross Timbers Resolution, adopted December 11, 2025
3. Middle Trinity GCD – Brazos River Alluvium Resolution, adopted December 11, 2025
4. North Texas GCD – Cross Timbers Resolution, adopted February 10, 2026

(Attach certified copies of all member district resolutions)

RESOLUTION

A RESOLUTION OF THE BOARD OR DIRECTORS OF THE POST OAK SAVANNAH GROUNDWATER CONSERVATION DISTRICT DECLARING THE BRAZOS RIVER ALLUVIUM FORMATION WITHIN MILAM COUNTY CONTAINED WITHIN GROUNDWATER MANAGEMENT AREA 8 (GMA 8) TO BE NON-RELEVANT FOR JOINT PLANNING PURPOSES.

Whereas, the statutory purposes of the Post Oak Savannah Groundwater Conservation District (the "District") are to determine policy and regulate the withdrawal of groundwater, protect and recharge groundwater, prevent pollution or waste of groundwater, control subsidence caused by the withdrawal of groundwater within the boundaries of the District, and to regulate the transport of water, and to conserve, preserve, protect and recharge groundwater within the District; and

Whereas, the District is involved in ongoing joint planning efforts with other Groundwater Conservation Districts within GMA 8, as mandated and outlined in Chapter 36, Texas Water Code 36.108; and

Whereas, the District Board ("Board") is required to adopt rules and regulations to implement state law, make appropriate provision for the reasonable application of the rules, regulations, and state law within the District, and consistent with local needs accomplish the purposes of the District; and

Whereas, after ongoing studies of the groundwater resources of the District, as well as the desired management practices and strategies of the District, as outlined in the Rules and Management Plan of the District, both the District Hydrologist and the General Manager did recommend actions outlined in the recommendation of July 8, 2025 from the District Hydrologist to the Board at a duly noticed, posted and held meeting of the Board of Directors of the District on July 8, 2025 to declare the Brazos River Alluvium formation within Milam County contained within GMA 8 to be non-relevant for joint planning purposes; and

Whereas, during discussion and deliberation at said meeting, sufficient evidence was found by the Board that approving the recommendation of the District Hydrologist and the General Manager by motion is in the best interest of accomplishing the goals of the District; and

Whereas, upon motion by Director Redington, and second by Director Jekel, that the Brazos River Alluvium formation within Milam County contained within GMA 8 be declared by the District to be non-relevant for joint planning purposes, and said motion passed unanimously by an unanimous vote;

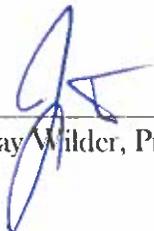
NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE POST OAK SAVANNAH GROUNDWATER CONSERVATION DISTRICT, THAT:

the Brazos River Alluvium formation within Milam County contained within GMA 8 is hereby declared by the District to be non-relevant for joint planning purposes.

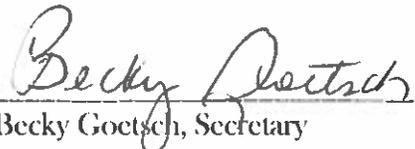
PASSED AND APPROVED this the 8th day of July, 2025.

Attest:

**Post Oak Savannah Groundwater
Conservation District**



Jay Wilder, President



Becky Goetsch, Secretary



July 8, 2025

Mr. Gary Westbrook, Manager
Post Oak Savannah Groundwater Conservation District
P.O. Box 92
Milano, Texas 76556

Re: Recommendation for the Brazos Alluvium Aquifer be Declared as a Non-relevant Aquifers in GMA 8

Dear Gary:

This letter recommends that POSGCD propose that the portion of the Brazos River Alluvium Aquifer (BRAA) in GMA 8 be declared as a non-relevant aquifer for the purpose of this joint planning section.

The Texas administration code Title 31 §356.31(b): includes a provision for a district to propose classification of a portion or portions of a relevant aquifer as non-relevant if the district determines that aquifer characteristics, groundwater demands, and current groundwater uses do not warrant adoption of a desired future condition. In order to comply with this provision, documentation is provided below to address the three requirements.

(1) A description, location, and/or map of the aquifer or portion of the aquifer:

Figure 1 shows the footprint of the BRAA within both GMA 8 and Milam County. The foot print covers approximately 3 square miles.

(2) A summary of aquifer characteristics, groundwater demands, and current groundwater uses, including the total estimated recoverable storage as provided by the executive administrator, that support the conclusion that desired future conditions in adjacent or hydraulically connected relevant aquifer(s) will not be affected:

The BRAA deposits consist of alluvial sediments, including gravel, fine to coarse sand, silt, and clay, in lenses that pinch out or grade both laterally and vertically. In general, the deposits are coarser at the base and fine upward. The average thickness of the BRAA is about 50 feet. Groundwater in the Brazos River Alluvium Aquifer is predominately under unconfined conditions. In areas where clay lenses overlies lenses of sand or gravel, locally confined conditions may exist. Groundwater production from the portion of the BRAA in Milam County and in GMA 12 is used primarily for irrigation purposes, with smaller quantities used for rural domestic, livestock, and municipal purposes. The portion of the BRAA that is in Milam County and in GMA 8 contains no wells registered with POSGCD. Also POSGCD is unaware of any future demand for groundwater from this portion of the BRAA over the next five years. Based on TWDB reports, the total estimated recoverable storage is TWDB to range between 2,175 acre-ft and 7,200 acre-feet based on a recovery rates of 25% and 75%, respectively.

(3) An explanation of why the aquifer or portion of the aquifer is non-relevant for joint planning purposes.

The designation of non-relevant aquifer to the portion of the BRAA in both Milam County and GMA 8 is justified based on the following: 1) POSGCD has no registered wells in the area; 2) POSGCD is not anticipating permits for wells in the area during the next five years; 3) POSGCD has no wells in the area to monitor DFC compliance; and 4) the area is hydraulically connected to Brazos River, which will act as a source of recharge if unanticipated pumping were to occur during the next five years.

Please do not hesitate to contact me if additional information is required to support POSGCD proposal to GMA 8 that the BRAA be designated as a non-relevant aquifer.

Sincerely,



Steve Young, PG, PE, Ph.D
Principal Hydrogeologist

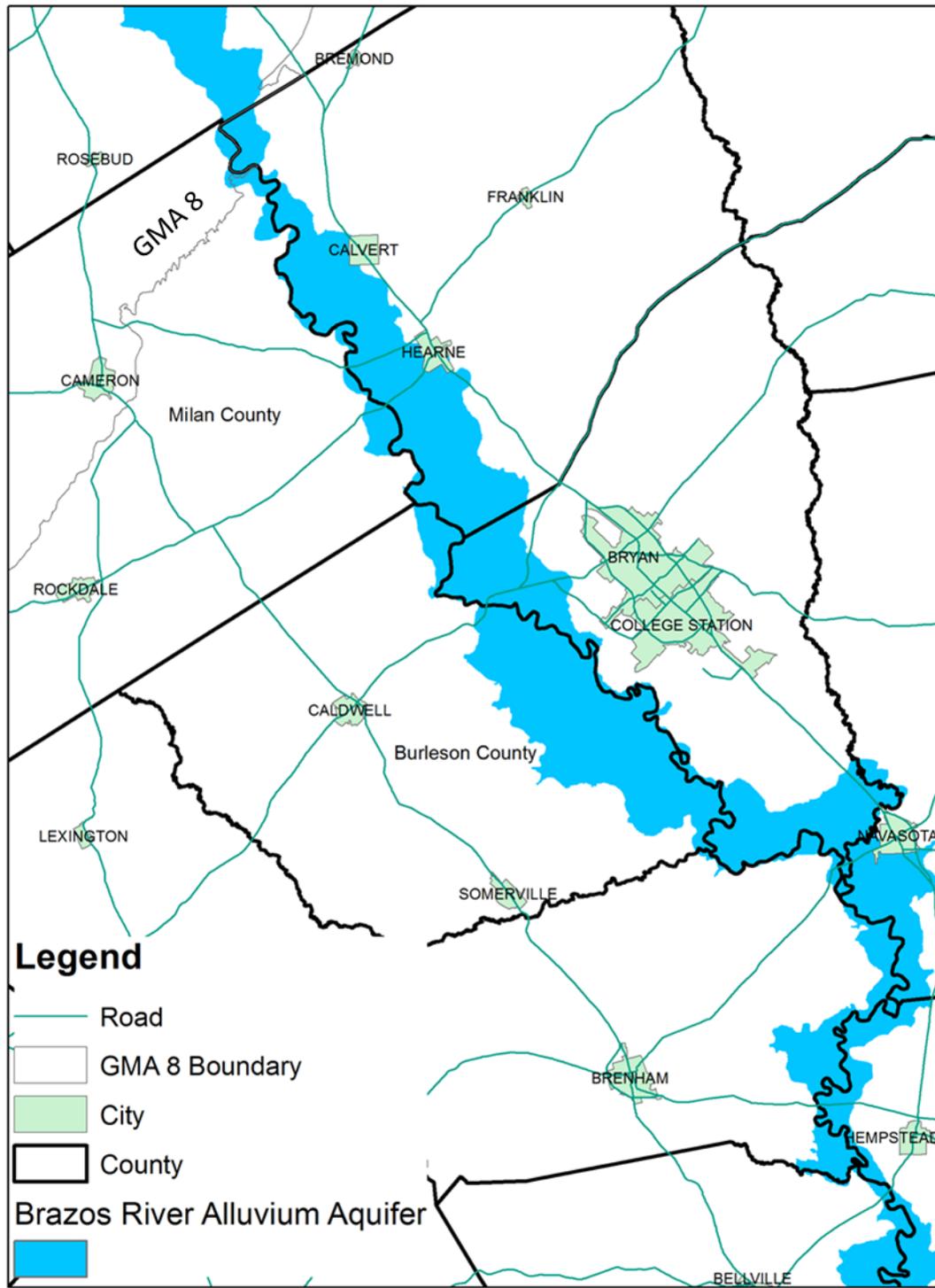


Figure 1. Areal footprint of the Brazos River Alluvium Aquifer (BRAA) in Milam and Burleson counties that includes Three square miles of BRAA that exist in both Groundwater Management Area 8 and Milam County

**RESOLUTION
OF THE BOARD OF DIRECTORS OF THE
MIDDLE TRINITY GROUNDWATER CONSERVATION DISTRICT
DECLARING THE BRAZOS RIVER ALLUVIUM AQUIFER WITHIN BOSQUE
COUNTY CONTAINED WITHIN GROUNDWATER MANAGEMENT AREA 8 (GMA 8)
TO BE NON-RELEVANT FOR JOINT PLANNING PURPOSES.**

WHEREAS, the statutory purposes of the Middle Trinity Groundwater Conservation District (the "District") are to determine policy and regulate the withdrawal of groundwater, protect and recharge groundwater, prevent pollution or waste of groundwater, control subsidence caused by the withdrawal of groundwater within the boundaries of the District, and to regulate the transport of water, and to conserve, preserve, protect and recharge groundwater within the District.

WHEREAS, the District is involved in ongoing joint planning efforts with other Groundwater Conservation Districts within GMA 8, as mandated and outlined in Chapter 36, Texas Water Code 36.108; and

WHEREAS, the District Board ("Board") is required to adopt rules and regulations to implement state law, make appropriate provision for the reasonable application of the rules, regulations, and state law within the District, and consistent with local needs accomplish the purposes of the District; and

WHEREAS, after conducting studies of the groundwater resources of the District, as well as working on the desired management practices and strategies of the District, as reflected in the Rules and Management Plan of the District, the General Manager did recommend the District take certain actions at a duly noticed, posted and held meeting of the Board of Directors of the District on December 11, 2025 to declare the Brazos River Alluvium Aquifer located within Bosque County and GMA 8 to be non-relevant for the GMA 8 joint planning purposes; and

WHEREAS, during the discussion and deliberation at said meeting, sufficient evidence was found by the Board that approving the recommendation of the General Manager by motion is the best interest of accomplishing the goals of the District; and

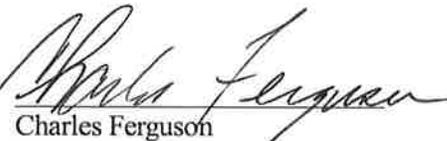
WHEREAS, upon motion by Director Bullington, and seconded by Director Altebaumer, that the Brazos River Alluvium Aquifer within Bosque County contained within GMA 8 be declared by the District to be non-relevant for joint planning purposes, and said motion passed by a vote of 8 yes, 0 no, 0 abstained, and 4 absent;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE MIDDLE TRINITY GROUNDWATER CONSERVATION DISTRICT, THAT;

1. The Brazos River Alluvium Aquifer within Bosque County, contained within GMA 8 is hereby declared by the District to be non-relevant for joint planning purposes.
2. The General Manager, staff, and the legal counsel for the District are authorized to take any and all necessary action related to this Resolution, including addressing any actions related to the Brazos River Alluvium Aquifer that are consistent with this Resolution.

AND IT IS SO ORDERED.

PASSED AND ADOPTED on this 11th day of December 2025.

By: 
Charles Ferguson
Board President

ATTEST:

By: 
Fred Parker
Board Secretary



December 11, 2025

Board of Directors
Middle Trinity Groundwater Conservation District
930 N. Wolfe Nursery Road
Stephenville, TX 76401

Members of the Board,

This letter recommends that the Middle Trinity Groundwater Conservation District (MTGCD) propose that the portion of the Cross Timbers Aquifer located within Erath and Comanche Counties in Groundwater Management Area 8 (GMA 8) be classified as a non-relevant aquifer for purposes of joint planning.

Texas Administrative Code, Title 31, §356.31(b), allows a groundwater conservation district to propose classification of a portion of a relevant aquifer as non-relevant when aquifer characteristics, groundwater demands, and current groundwater uses do not warrant adoption of a Desired Future Condition (DFC). In accordance with this provision, the following documentation is provided to address the required criteria.

1. Description and Location of the Aquifer

The Cross Timbers Aquifer extends over 17,800 square miles across all or parts of 33 counties in north-central Texas as shown in **Figure 1**. The Cross Timbers Aquifer provides a small but important source of water in the region, particularly in the far northwest extent where the rapidly growing population has growing water needs. The youngest geologic units outcrop in the western part of the aquifer, with progressively older formations outcropping towards the east. Along its eastern boundary, the Cross Timbers Aquifer is overlain by the Trinity Aquifer, another major aquifer.

The Cross Timbers Aquifer occupies partial areas within Erath and Comanche Counties as shown in **Figure 2**.

In Erath County, the Cross Timbers Aquifer is primarily located in the northwestern portion of the county and is composed predominantly of Pennsylvanian-age Strawn and Atoka Groups. These units are generally sandstone- and shale-dominated and exhibit low permeability and elevated total dissolved solids (TDS) at depth.

In Comanche County, the Cross Timbers Aquifer is located primarily in the central and northern portions of the county and consists of the Strawn and Atoka Groups, the Palo Pinto Formation, and the Canyon Group. These units are characterized by interbedded limestone, shale, and sandstone with variable and generally limited groundwater productivity.

2. Summary of Aquifer Characteristics, Groundwater Demands, and Current Uses

The portion of the Cross Timbers Aquifer within Erath and Comanche Counties consists primarily of fractured limestone, shale, and sandstone units that function as a low-storage, fractured-rock aquifer system, as documented in the Texas Water Development Board's Cross Timbers Groundwater Availability Model (GAM) reports.

In Erath County, wells are generally deeper and exhibit increasing salinity with depth, with reported yields typically ranging from approximately 0.25 to 10 gallons per minute (GPM), when productive. In Comanche County, wells are generally shallower, with increasing salinity and reported yields typically ranging from approximately 0.5 to 15 GPM, when productive.

Overall, groundwater production from this portion of the aquifer is limited and highly variable. Many wells are low-yield or non-productive. The aquifer exhibits limited transmissivity, limited storage capacity, and restricted recharge as reflected in GAM documentation and regional hydrogeologic studies.

Current groundwater use within this portion of the Cross Timbers Aquifer is minimal and consists primarily of exempt domestic and livestock wells. There are no significant municipal, industrial, or irrigation demands associated with this aquifer within MTGCD boundaries. Estimated recoverable storage within this portion of the aquifer is limited, as documented in Texas Water Development Board GAM reports, and does not represent a meaningful regional water supply source.

Due to the low production potential and limited hydraulic connectivity, groundwater withdrawals from this portion of the aquifer are not expected to affect desired future conditions in adjacent or hydraulically connected relevant aquifers.

3. Explanation of Non-Relevance for Joint Planning Purposes

The designation of the portion of the Cross Timbers Aquifer within Erath and Comanche Counties as non-relevant for joint planning purposes is justified based on the following factors:

1. MTGCD has a limited number of registered wells completed in this portion of the aquifer.
2. MTGCD does not anticipate requests for high-capacity production wells in this area within the next five years.
3. MTGCD currently has no monitoring wells in this area for evaluating compliance with Desired Future Conditions.
4. Groundwater quality within this portion of the aquifer degrades with increasing depth, and the aquifer exhibits limited recharge and storage capacity, resulting in minimal sustainable yield.
5. Any production from the Cross Timbers Aquifer in MTGCD will have little to no impact on surrounding counties due to the low productivity of the aquifer and the small production capacity of wells.

Due to these factors, adoption of a Desired Future Condition for this portion of the Cross Timbers Aquifer would not provide meaningful benefit for groundwater management or regional water planning. The aquifer does not represent a significant or reliable water supply source within MTGCD boundaries and does not warrant inclusion as a relevant aquifer for joint planning purposes.

For these reasons, MTGCD recommends classification of the portion of the Cross Timbers Aquifer within Erath and Comanche Counties as a non-relevant aquifer under Texas Administrative Code §356.31(b).

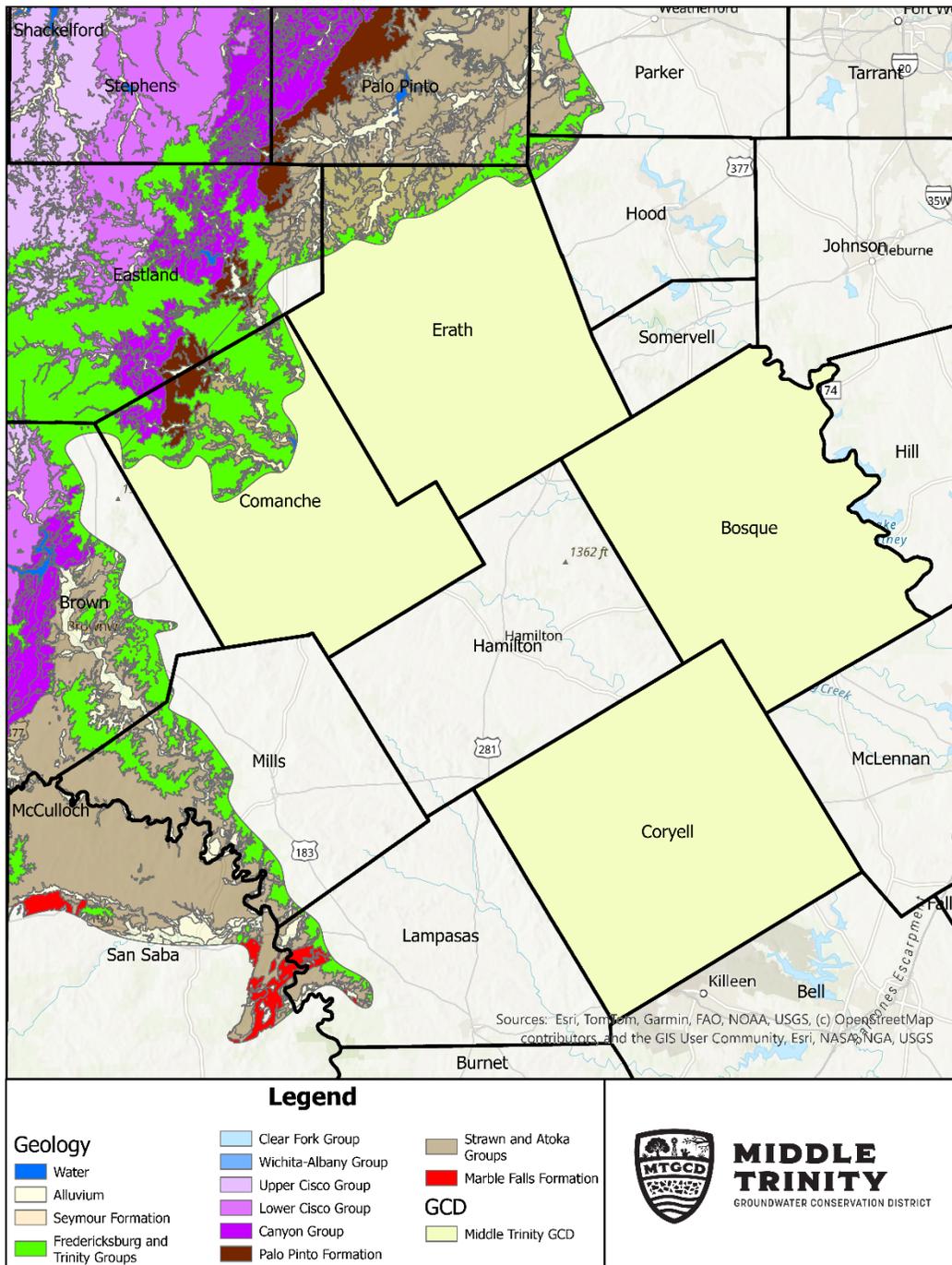


Figure 2. Location and extent of the Cross Timbers within Comanche and Erath Counties (after Blanford and others, 2021).

**RESOLUTION
OF THE BOARD OF DIRECTORS OF THE
MIDDLE TRINITY GROUNDWATER CONSERVATION DISTRICT
DECLARING THE BRAZOS RIVER ALLUVIUM AQUIFER WITHIN BOSQUE
COUNTY CONTAINED WITHIN GROUNDWATER MANAGEMENT AREA 8 (GMA 8)
TO BE NON-RELEVANT FOR JOINT PLANNING PURPOSES.**

WHEREAS, the statutory purposes of the Middle Trinity Groundwater Conservation District (the “District”) are to determine policy and regulate the withdrawal of groundwater, protect and recharge groundwater, prevent pollution or waste of groundwater, control subsidence caused by the withdrawal of groundwater within the boundaries of the District, and to regulate the transport of water, and to conserve, preserve, protect and recharge groundwater within the District.

WHEREAS, the District is involved in ongoing joint planning efforts with other Groundwater Conservation Districts within GMA 8, as mandated and outlined in Chapter 36, Texas Water Code 36.108; and

WHEREAS, the District Board (“Board”) is required to adopt rules and regulations to implement state law, make appropriate provision for the reasonable application of the rules, regulations, and state law within the District, and consistent with local needs accomplish the purposes of the District; and

WHEREAS, after conducting studies of the groundwater resources of the District, as well as working on the desired management practices and strategies of the District, as reflected in the Rules and Management Plan of the District, the General Manager did recommend the District take certain actions at a duly noticed, posted and held meeting of the Board of Directors of the District on December 11, 2025 to declare the Brazos River Alluvium Aquifer located within Bosque County and GMA 8 to be non-relevant for the GMA 8 joint planning purposes; and

WHEREAS, during the discussion and deliberation at said meeting, sufficient evidence was found by the Board that approving the recommendation of the General Manager by motion is the best interest of accomplishing the goals of the District; and

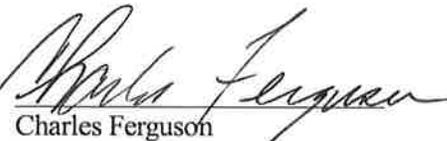
WHEREAS, upon motion by Director Bullington, and seconded by Director Altebeumer, that the Brazos River Alluvium Aquifer within Bosque County contained within GMA 8 be declared by the District to be non-relevant for joint planning purposes, and said motion passed by a vote of 8 yes, 0 no, 0 abstained, and 4 absent;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE MIDDLE TRINITY GROUNDWATER CONSERVATION DISTRICT, THAT;

1. The Brazos River Alluvium Aquifer within Bosque County, contained within GMA 8 is hereby declared by the District to be non-relevant for joint planning purposes.
2. The General Manager, staff, and the legal counsel for the District are authorized to take any and all necessary action related to this Resolution, including addressing any actions related to the Brazos River Alluvium Aquifer that are consistent with this Resolution.

AND IT IS SO ORDERED.

PASSED AND ADOPTED on this 11th day of December 2025.

By: 
Charles Ferguson
Board President

ATTEST:

By: 
Fred Parker
Board Secretary



December 11, 2025

Board of Directors
Middle Trinity Groundwater Conservation District
930 N. Wolfe Nursery Road
Stephenville, TX 76401

Members of the Board,

This letter recommends that the Middle Trinity Groundwater Conservation District (MTGCD) propose that the portion of the Brazos River Alluvium Aquifer located within Bosque County in Groundwater Management Area 8 (GMA 8) be classified as a non-relevant aquifer for purposes of joint planning.

Texas Administrative Code, Title 31, §356.31(b), allows a groundwater conservation district to propose classification of a portion of a relevant aquifer as non-relevant when aquifer characteristics, groundwater demands, and current groundwater uses do not warrant adoption of a Desired Future Condition (DFC). In accordance with this provision, the following documentation is provided to address the required criteria.

1. Description and Location of the Aquifer

The Brazos River Alluvium Aquifer consists of floodplain and terrace deposits associated with the Brazos River and is limited in areal extent to narrow corridors along the river channel. According to the Texas Water Development Board's Brazos River Alluvium Aquifer Groundwater Availability Model (GAM) documentation, the aquifer is composed of unconsolidated sediments ranging from clay to sand and gravel that occur in discontinuous lenses and deposits. The full extent of the Brazos River Alluvium Aquifer is shown in Figure 1.

Within Bosque County, the Brazos River Alluvium Aquifer is restricted to localized portions of the Brazos River floodplain and adjacent terrace deposits. These areas represent a small percentage of the total land area within MTGCD boundaries and are geographically isolated from major groundwater development centers.

2. Summary of Aquifer Characteristics, Groundwater Demands, and Current Uses

The Brazos River Alluvium Aquifer within Bosque County is an unconfined to locally semi-confined system composed of heterogeneous sand, gravel, silt, and clay deposits. As documented in the TWDB Brazos River Alluvium GAM report, groundwater flow and storage are strongly influenced by river stage, recharge from precipitation, and hydraulic connection with underlying formations.

The aquifer exhibits highly variable saturated thickness, transmissivity, and storage due to the discontinuous nature of the alluvial sediments. Water levels respond rapidly to changes in river flow and seasonal recharge, limiting long-term groundwater storage.

Groundwater production from this portion of the aquifer is limited and variable. Wells completed in the alluvium generally produce small to moderate yields where sand and gravel deposits are present but may be low-yield or non-productive where fine-grained materials dominate.

Current groundwater use within this portion of the Brazos River Alluvium Aquifer is minimal and consists primarily of exempt domestic and livestock wells. There are no significant municipal, industrial, or irrigation demands associated with this aquifer within MTGCD boundaries.

Estimated recoverable storage within this portion of the aquifer is limited, as documented in the TWDB GAM report, and is estimated to range from approximately 2,400 to 7,200 acre-feet based on 25 percent to 75 percent recovery rates. This volume does not represent a meaningful or reliable long-term water supply source.

Due to strong hydraulic interaction with the Brazos River and limited lateral hydraulic connection with other aquifers, groundwater withdrawals in this area are not expected to affect desired future conditions in adjacent or hydraulically connected relevant aquifers.

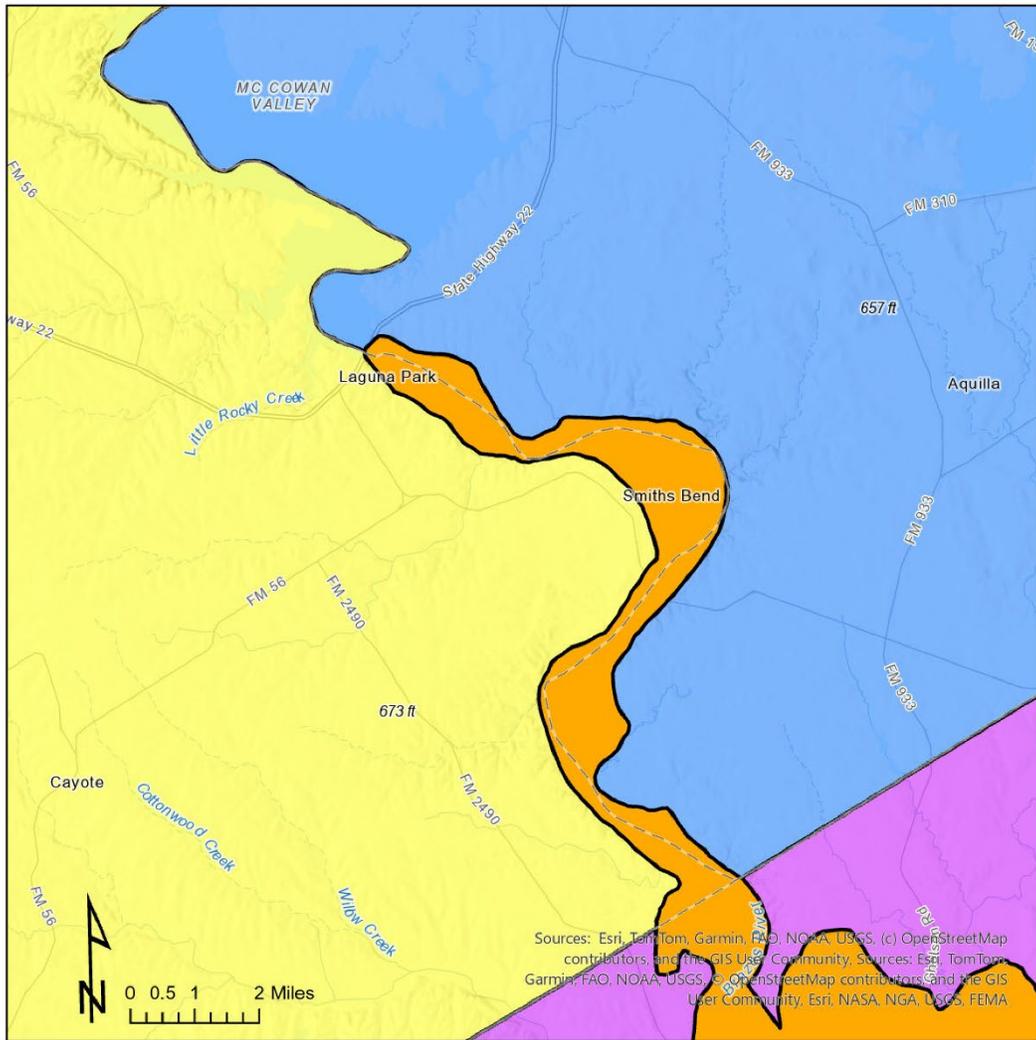
3. Explanation of Non-Relevance for Joint Planning Purposes

The designation of the portion of the Brazos River Alluvium Aquifer within Bosque County as non-relevant for joint planning purposes is justified based on the following factors:

1. MTGCD has no registered wells completed in this portion of the aquifer.
2. MTGCD does not anticipate requests for high-capacity production wells in this area within the next five years.
3. MTGCD currently has no dedicated monitoring wells in this area for evaluating compliance with Desired Future Conditions.
4. The aquifer is narrow, discontinuous, and hydraulically partially dependent on river conditions, with limited storage capacity and highly variable water availability.

Due to these factors, adoption of a Desired Future Condition for this portion of the Brazos River Alluvium Aquifer would not provide meaningful benefit for groundwater management or regional water planning. The aquifer does not represent a significant or dependable groundwater supply within MTGCD boundaries and does not warrant inclusion as a relevant aquifer for joint planning purposes.

For these reasons, MTGCD recommends classification of the portion of the Brazos River Alluvium Aquifer within Bosque County as a non-relevant aquifer under Texas Administrative Code §356.31(b).



Legend

Aquifers

BRAZOS RIVER ALLUVIUM

GCD

MIDDLE TRINITY GROUNDWATER CONSERVATION DISTRICT

PRAIRIELANDS GROUNDWATER CONSERVATION DISTRICT

SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT



MIDDLE TRINITY

GROUNDWATER CONSERVATION DISTRICT

Figure 1. Location and extent of the Brazos River Alluvium in Bosque County (after Ewing and others, 2016).

RESOLUTION NO. 2026-02-10-02

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT DECLARING THE CROSS TIMBERS AQUIFER WITHIN COOKE COUNTY CONTAINED WITHIN GROUNDWATER MANAGEMENT AREA 8 (GMA 8) TO BE NON-RELEVANT FOR JOINT PLANNING PURPOSES.

WHEREAS, the statutory purposes of the North Texas Groundwater Conservation District (“District”) are to determine policy and regulate the withdrawal of groundwater, protect and recharge groundwater, prevent pollution or waste of groundwater, control subsidence caused by the withdrawal of groundwater within the boundaries of Collin, Cooke, and Denton Counties, and to regulate the transport of water, and to conserve, preserve, protect and recharge groundwater within the District.

WHEREAS, the District is involved in ongoing joint planning. Efforts with other Groundwater Conservation Districts within GMA8, as mandated and outlined in Chapter 36, Texas Water Code 36.108; and

WHEREAS, after conducting studies of the groundwater resources of the District, as well as working on the desired management practices and strategies of the District, as reflected in the Rules and Management Plan of the District, the General Manager did recommend the District take certain actions at a duly noticed, posted and held meeting of the Board of Directors of the District on February 10, 2026 to declare the Cross Timber Aquifer located within Cooke County and GMA 8 to be non-relevant for the GMA 8 joint planning purposes; and

WHEREAS, during the discussion and deliberation at said meeting, sufficient evidence was found by the Board that approving the recommendation of the General Manager by motion is the best interest of accomplishing the goals of the District; and

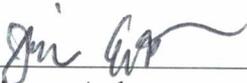
WHEREAS, upon motion by Director Robert Todd, and second by Director Dylan Cyr, that the Cross Timbers Aquifer within Cooke County contained within GMA 8 be declared by the District to be non-relevant for joint planning purposes, and said motion passed by a vote of 5 yes, 0 no, 0 abstained, and 2 absent;

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE NORTH TEXAS GROUNDWATER CONSERVATION DISTRICT, THAT;

1. The Cross Timbers Aquifer within Cooke County, contained within GMA 8 is hereby declared by the District to be non-relevant for joint planning purpose.
2. The General Manager, staff, and the legal counsel for the District are authorized to take any and all necessary action related to this Resolution, including addressing any actions related to the Cross Timbers Aquifer that are consistent with this Resolution.

AND IT IS SO ORDERED.

PASSED AND ADOPTED on this 10th day of February 2026.

By: 
Jimmy Arthur
Board President

By: 
Leon Klement
Board Secretary

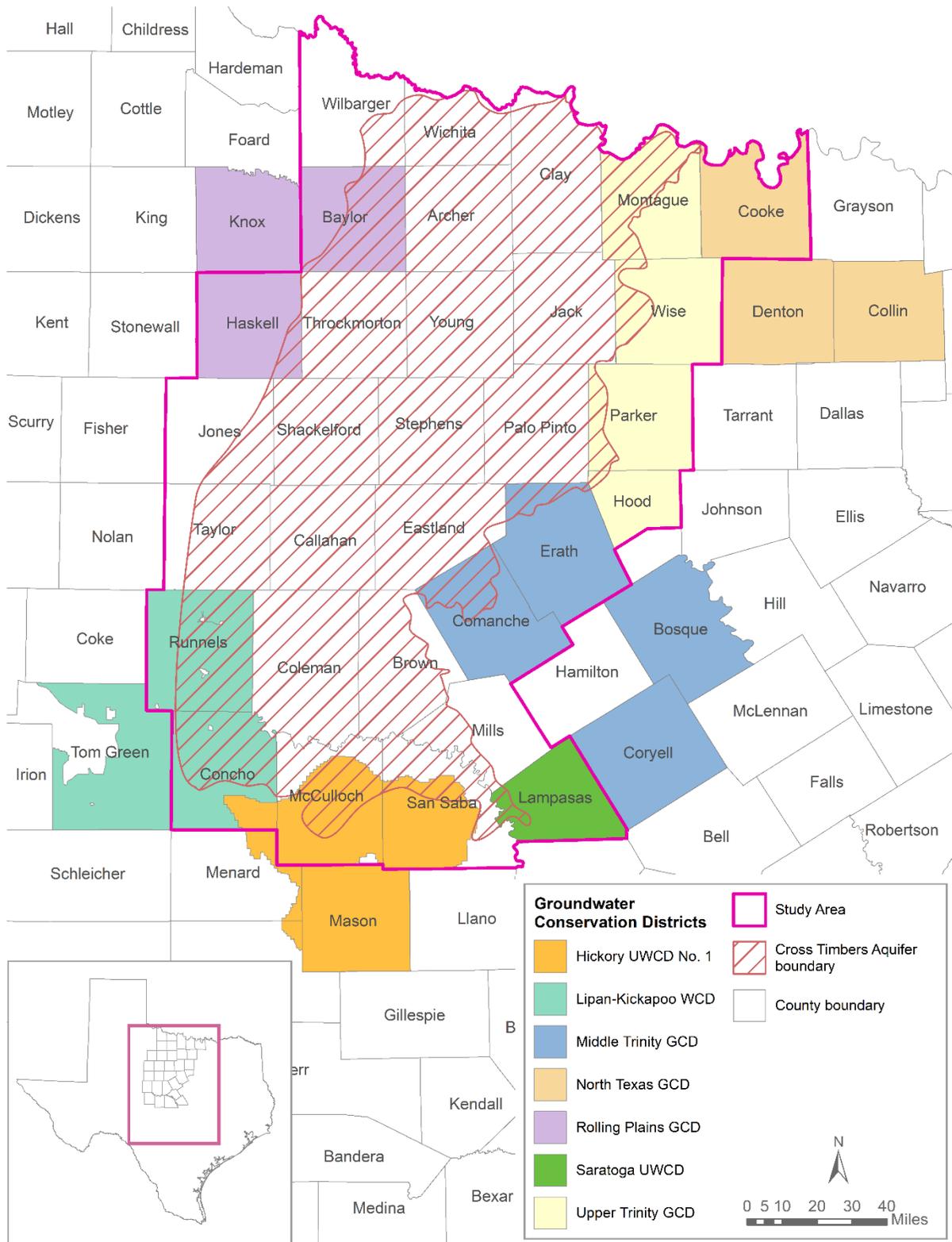


Figure 3-1. Groundwater conservation districts in the study area.

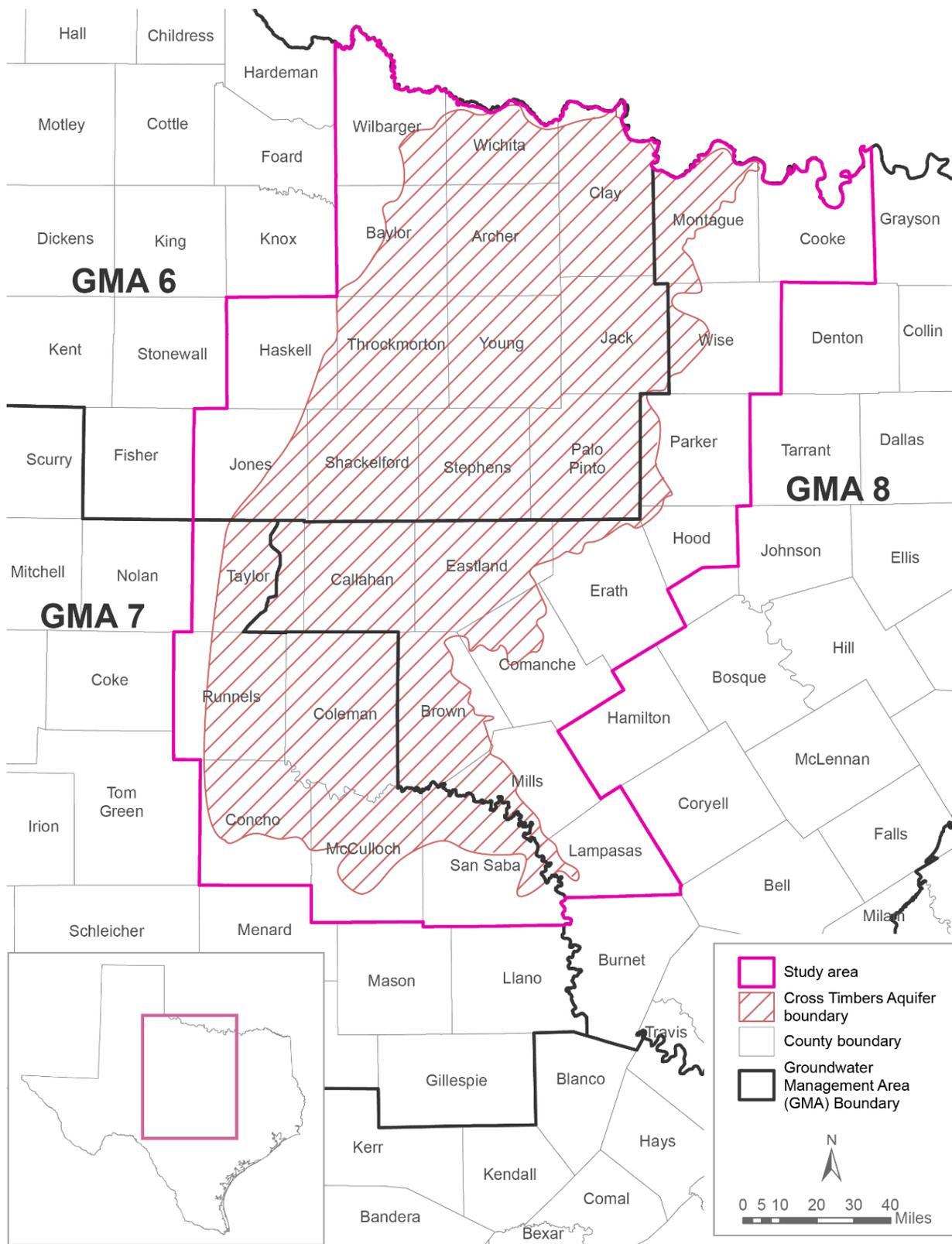


Figure 3-2. Groundwater management areas in the study area.

ATTACHMENT 14

CUWCD Request



- Continue using v. 1.01 and GAM Run 08-010 MAG for joint planning
- No additional model simulations required for DFCs
- Document reasoning for no change to DFCs or the associated model in the ER

| County | Potential DFCs |
|------------|--|
| Bell | Maintain at least 100 acre-feet per month of stream/spring flow in Salado Creek during a repeat of the drought of record |
| Travis | Maintain at least 42 acre-feet per month of aggregated stream/spring flow during a repeat of the drought of record |
| Williamson | Maintain at least 60 acre-feet per month of aggregated stream/spring flow during a repeat of the drought of record |

ADJOURN