

**GROUNDWATER
MANAGEMENT
AREA 8**

JOINT PLANNING MEETING

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

TUESDAY
March 31, 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 March 31, 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 February 26, 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 4.8 for DFC Planning.
9. Discussion and possible action on additional model run for DFC Planning.
10. Discussion and possible action on how to state the Proposed Desired Future Conditions for this round of planning.
11. Discussion and possible action on the Proposed Desired Future Conditions for the Trinity and Woodbine Aquifers.
12. Discussion and possible action on the Proposed Desired Future Conditions for the Llano Uplift Aquifer System.
13. Discussion and possible action on the Proposed Desired Future Conditions for the Cross Timbers Aquifer.
14. Discussion and possible action on the Proposed Desired Future Conditions for the Edwards (Balcones Fault Zone) Aquifer.
15. Consider and act upon approving GMA 8 Resolution 2026-02 adopting the Proposed Desired Future Conditions for relevant aquifers in GMA 8.

16. Consider and act upon the draft GMA 8 Explanatory Report.
17. Updates from the TWDB.
18. Discussion of possible agenda items and dates for next GMA 8 meeting.
19. Closing comments.
20. Adjourn.

Dated this 5th day of March, 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
February 26, 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, February 26, 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	Saratoga UWCD:
North Texas GCD: Paul Sigle	Southern Trinity GCD: Scooter Radcliffe
Northern Trinity GCD: Corey Jones	Upper Trinity GCD: Doug Shaw
Post Oak Savannah GCD: Gary Westbrook	

Groundwater Conservation District Representatives Absent:
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 10:00 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 January 29, 2026, GMA 8 meeting*

Motion to approve by David Gattis. Second by Patrick Wagner. 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. Will propose to adopt DFCs at the March meeting. Needs information from districts related to HB2078. 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 update. No change. Under review at the TWDB. No action taken.

8. Discussion and possible action on Model Run 4.7 for DFC Planning.

Neil Deeds of Intera provided a review of the current and previous model runs 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 whether to have a run 4.8 and what to include. Southern Trinity GCD discussed increasing their production amount in run 4.8.

Recess at 11:47 a.m.

Reconvened at 11:55 a.m.

Gary Westbrook motioned to approve model run 4.8 to include the amount requested by Southern Trinity GCD. Second by Kathy Jones. Motion passed 7-2. Whitney Ingram and Patrick Wagner opposed. Paul Sigle abstained.

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

Neil Deeds of Intera reviewed metrics of last round. Will need a decision on how to state the DFCs by next month. Paul suggested each GCD submit to Neil Deeds how they want their DFCs represented. No action taken.

11. Consider and act upon a resolution of GMA 8 designating certain aquifers as non-relevant for Joint Planning Purpose.

Discussion held on declaring certain aquifers non-relevant for GMA-8 joint planning. Motion to approve by David Gattis. Second by Whitney Ingram. Motion passed unanimously.

12. Discussion and possible action on the Desired Future Conditions for the Llano Uplift Aquifer System.

Neil Deeds of Intera discussed the Llano Uplift Aquifer System regarding new DFCs. Proposed no change. No action taken

13. Discussion and possible action on the Desired Future Conditions for the Cross Timbers Aquifer.

Neil Deeds of Intera discussed the Cross Timbers GAM. Upper Trinity GCD will be asking for draft approval of DFC in next GMA-8 meeting. No action taken.

14. Discussion and possible action on the Desired Future Conditions for the Edwards (Balcones Fault Zone) Aquifer.

Clearwater GCD presented the Edwards (Balcones Fault Zone) Aquifer DFC. No action taken.

15. Updates from the TWDB.

Jean Perez of TWDB provided updates from TWDB.

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

Next GMA-8 meeting will be March 31, 2026. Presentation of the results of Run 4.8. Resolution to adopt proposed DFCs. Approval of Draft Explanatory Report.

17. Closing comments.

Gary Westbrook of Post Oak Savannah GCD expresses appreciation for excusing his tardiness and for everyone's participation. Expressed that, "what we do is not easy."

18. Adjourn

Chairman Mitchell Sodek, Central Texas GCD, declared the meeting adjourned at 12:16 p.m.

Motion by David Gattis. Second by Paul Sigle.

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

Recording Secretary

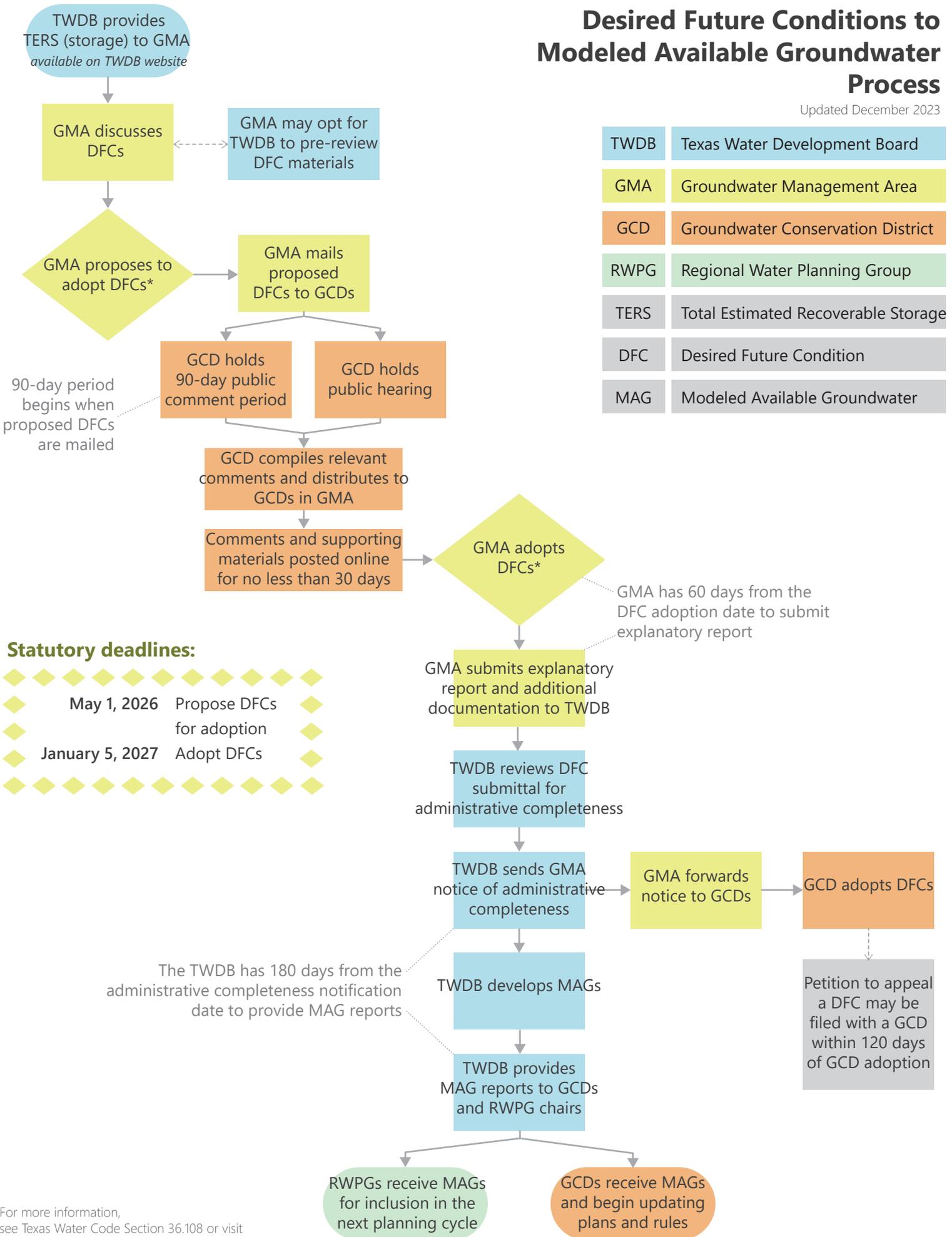
Chairman

ATTACHMENT 6

Desired Future Conditions to Modeled Available Groundwater Process

Updated December 2023

TWDB	Texas Water Development Board
GMA	Groundwater Management Area
GCD	Groundwater Conservation District
RWPG	Regional Water Planning Group
TERS	Total Estimated Recoverable Storage
DFC	Desired Future Condition
MAG	Modeled Available Groundwater



ATTACHMENT 10

2.0 Desired Future Conditions for the Northern Trinity and Woodbine Aquifers, the Edwards (BFZ) Aquifer, the Llano Uplift Aquifer, and the Cross Timbers Aquifer

Desired Future Conditions (“DFCs”) were adopted for Groundwater Management Area 8 (“GMA 8”) using a wide variety of quantitative parameters as required by statute and Texas Water Development Board (“TWDB”) rules (see **Appendix A** of this Explanatory Report for the detailed checklist of TWDB requirements). These parameters on which the adopted DFCs are based include water level declines (Northern Trinity and Woodbine aquifers and Llano Uplift aquifers) and percent available drawdown remaining (Northern Trinity and Woodbine aquifers and Cross Timbers Aquifer), and spring and stream flow (Edwards (Balcones Fault Zone, or “BFZ”) Aquifer). In addition, for the Northern Trinity and Woodbine aquifers, DFCs were adopted at a number of different scales to facilitate the efficient and effective utilization of the adopted DFCs by groundwater conservation districts (“GCDs”) and regional water planning groups when evaluating potential amendments to GCD management plans and rules and regional water plans. Hydrogeologic and geographic scales for which DFCs for the Northern Trinity and Woodbine aquifers were adopted include:

- By aquifer for the entire GMA 8;
- By aquifer for each GCD; and
- By aquifer for each county

These tables in their entirety are included in **Appendix D**.

DFCs for the Northern Trinity and Woodbine aquifers in GMA 8 are based on Run 4.8 as documented in the materials from the March 31, 2026 GMA-8 planning group meeting, and included as Appendix E. DFCs for the Edwards (BFZ) Aquifer in GMA 8 are based on GAM Run 08-10mag (see Appendix F in the 2017 Explanatory Report). DFCs for the Llano Uplift Aquifers in GMA 8 are based on the Numerical Model Report: Minor Aquifers of the Llano Uplift Region of Texas (Marble Falls, Ellenburger-San Saba, and Hickory and the results described in **Appendix F** of this Explanatory Report). DFCs for the Cross Timbers Aquifer are based on Final Report: Groundwater Availability Model for the Cross Timbers Aquifer and the results are described in **Appendix G** of this Explanatory Report.

Table 3. GMA 8 DFCs adopted at an aquifer-wide scale for Northern Trinity and Woodbine aquifers based on total average drawdown in feet (both unconfined and confined drawdown).

GMA 8 Adopted DFCs -Aquifer-Wide Scale	
Woodbine	154
Paluxy	125
Glen Rose	150
Hensell	279
Hosston	302
Travis Peak	275
Twin Mountains	281
Antlers	152

Table 4. GMA 8 DFCs adopted at a GCD scale for Northern Trinity and Woodbine aquifers for those GCDs using a metric based on total average drawdown in feet (both unconfined and confined drawdown).

GCD	GMA 8 Adopted DFCs - GCD Scale								
	Wood- bine	Paluxy	GlenRose Paluxy	Glen Rose	Hensell	Hosston	Travis Peak	Twin Mnts	Antlers
Central Texas GCD	-	-	-	1	22	24	21	-	-
Middle Trinity GCD	-	-	19	-	-	-	125	4	1
North Texas GCD	196	382	-	-	-	-	-	534	201
Northern Trinity GCD	6	73	-	101	-	-	-	204	68
Post Oak Savannah GCD	-	-	-	473	666	734	734	-	-
Red River GCD	127	-	-	-	-	-	-	-	309
Saratoga UWCD	-	-	-	0	9	19	11	-	-
Southern Trinity GCD	18	105	-	211	536	590	582	-	-

Table 5. GMA 8 DFCs adopted for Prairielands GCD and Upper Trinity GCD for Northern Trinity and Woodbine aquifers based on minimum percent of available drawdown remaining at existing wells.

GMA 8 Adopted DFCs - GCD Scale								
GCD	Woodbine	Paluxy	Glen Rose	Hensell	Hosston	Travis Peak	Twin Mnts	Antlers
Prairielands GCD	76%	85%	79%	66%	39%	39%	64%	-
Upper Trinity GCD	-	92%	88%	-	-	-	82%	86%

Table 6. GMA 8 DFCs adopted for Clearwater UWCD for Northern Trinity and Woodbine aquifers based on the average remaining available drawdown at CUWCD Monitoring Wells at the end of 2080 from the end of 2020 available drawdown.

Aquifer	Remaining Available Drawdown
Upper Trinity (Glen Rose)	80%
Middle Trinity (Hensell)	10%
Lower Trinity (Hosston)	15%

Table 7 GMA 8 DFCs adopted at a county scale for Northern Trinity and Woodbine aquifers for those GCDs using a metric based on total average drawdown in feet (both unconfined and confined drawdown).

GMA 8 Adopted DFCs – County Scale										
GCD	County	Wood-bine	Paluxy	GlenRose Paluxy	Glen Rose	Hensell	Hosston	Travis Peak	Twin Mnts	Antlers
CTGCD	Burnet	-	-	-	1	22	24	21	-	-
MTGCD	Bosque	-	-	35	-	-	-	174	-	-
	Comanche	-	-	1	-	-	-	2	-	1
	Coryell	-	-	12	-	-	-	206	-	-
	Erath	-	-	1	-	-	-	20	4	3
NTGCD	Collin	325	413	-	-	-	-	-	530	572
	Cooke	1	-	-	-	-	-	-	-	121
	Denton	13	273	-	-	-	-	-	546	253
NTXGCD	Tarrant	6	73	-	101	-	-	-	204	68
POSGCD	Milam	-	-	-	473	666	734	734	-	-
RRGCD	Fannin	193	-	-	-	-	-	-	-	247
	Grayson	61	-	-	-	-	-	-	-	361
SUWCD	Lampasas	-	-	-	0	9	19	11	-	-
STGCD	McLennan	18	105	-	211	536	590	582	-	-
none	Bowie	-	-	-	-	-	-	-	-	-
	Brown	-	-	-	0	1	1	1	-	1
	Callahan	-	-	-	-	-	-	-	-	1
	Dallas	141	212	-	263	365	441	433	458	-
	Delta	-	138	-	125	-	-	165	-	-
	Eastland	-	-	-	-	-	-	-	-	1
	Falls	-	274	-	400	541	678	676	-	-
	Franklin	-	-	-	-	-	-	-	-	-
	Hamilton	-	1	-	1	46	38	40	-	-
	Hunt	521	282	-	285	-	-	330	385	-
	Jack	-	-	-	-	-	-	-	-	11
	Kaufman	277	266	-	322	376	389	394	414	-
	Lamar	47	44	-	56	-	-	89	-	101
	Limestone	-	331	-	421	497	557	555	-	-
	Mills	-	0	-	0	4	6	5	-	-
	Navarro	312	232	-	353	418	444	444	-	-
Palo Pinto	-	-	-	-	-	-	-	8	-	
Red River	1	5	-	6	-	-	9	-	-11	

GMA 8 Adopted DFCs – County Scale										
GCD	County	Wood-bine	Paluxy	GlenRose Paluxy	Glen Rose	Hensell	Hosston	Travis Peak	Twin Mnts	Antlers
	Rockwall	232	293	-	332	-	-	-	432	-
	Taylor	-	-	-	-	-	-	-	-	0
	Travis	-	-	-	116	208	372	362	-	-
	Williamson	-	-	-	150	306	461	452	-	-

Table 8. GMA 8 DFCs adopted at a county scale for Prairielands GCD and Upper Trinity GCD counties for Northern Trinity and Woodbine aquifers based on minimum percent of available drawdown remaining at existing wells.

		GMA 8 Adopted DFCs - GCD Scale							
GCD	County	Wood- bine	Paluxy	Glen Rose	Hensell	Hosston	Travis Peak	Twin Mnts	Antlers
Prairielands GCD	Ellis	52%	86%	89%	0%	63%	63%	0%	-
	Hill	68%	83%	79%	53%	36%	37%	-	-
	Johnson	96%	84%	80%	74%	46%	46%	66%	-
	Somervell	-	92%	99%	64%	66%	66%	74%	-
Upper Trinity GCD	Hood	-	-	95%	-	-	-	84%	-
	Montague	-	-	-	-	-	-	-	91%
	Parker	-	92%	87%	-	-	-	88%	86%
	Wise	-	-	-	-	-	-	-	84%

Table 9. GMA 8 DFCs in acre-feet per month spring/stream flow adopted for the Edwards (BFZ) Aquifer.

County	DFC
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

Table 10. GMA 8 DFCs adopted at a county scale for the Llano Uplift Aquifers based on total average feet of drawdown from 2010 - 2080.

County	Ellenburger-San Saba Aquifer	Hickory Aquifer	Marble Falls Aquifer
Brown	3	3	3
Burnet	12	11	11
Lampasas	15	15	15
Mills	9	9	9

Table 11. GMA 8 DFCs adopted at a county scale for Upper Trinity GCD counties for the Cross Timbers Aquifer based on minimum percent of available drawdown remaining.

GMA 8 Adopted DFCs - Upper Trinity GCD by county	
County	DFC
Montague	90%
Parker	98%
Wise	100%

ATTACHMENT 15

RESOLUTION TO PROPOSE FOR ADOPTION DESIRED FUTURE CONDITIONS FOR RELEVANT AQUIFERS IN GROUNDWATER MANAGEMENT AREA 8

THE STATE OF TEXAS §
GROUNDWATER MANAGEMENT AREA 8 §
GROUNDWATER CONSERVATION DISTRICTS §

WHEREAS, Section 36.108 of the Texas Water Code requires groundwater conservation districts located entirely or partially within a groundwater management area designated by the Texas Water Development Board (“TWDB”) to propose for adoption desired future conditions (“DFCs”) for the relevant aquifers within each groundwater management area by May 1, 2026, and every five years thereafter;

WHEREAS, House Bill 2215 passed by the 85th Texas Legislature in 2017 provides that the statutory deadline for a GMA to vote on a proposal for the adoption of DFCs under Section 36.108(d) of the Texas Water Code is May 1, 2026, and requires the DFCs to thereafter be approved by resolution of the GMA not later than January 5, 2027;

WHEREAS, the groundwater conservation districts located entirely or partially within Groundwater Management Area 8 (“GMA 8”) as of the date of this resolution are as follows: 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 (collectively referenced hereinafter as “GMA 8 Districts”);

WHEREAS, the GMA 8 Districts are each governmental agencies and bodies politic and corporate operating pursuant to Chapter 36 of the Texas Water Code and their specific enabling statutes;

WHEREAS, the GMA 8 Districts each desire to fulfill the requirements of Section 36.108 of the Texas Water Code through mutual cooperation and joint planning efforts;

WHEREAS, the GMA 8 Districts last adopted DFCs for the relevant aquifers within GMA 8 on October 27, 2020;

WHEREAS, the GMA 8 Districts held meetings on September 5, 2024, October 31, 2024, February 25, 2025, June 24, 2025, August 29, 2025, November 14, 2025, January 29, 2026, February 26, 2026, and March 31, 2026 in order to comply with and publicly consider all nine factors listed in Section 36.108(d) of the Texas Water Code;

WHEREAS, the GMA 8 Districts used the best available scientific and hydrogeological data to establish the proposed DFCs;

WHEREAS, the GMA 8 Districts considered multiple model runs to establish the proposed DFCs;

WHEREAS, the GMA 8 Districts considered all of the nine (9) statutory factors set forth in Section 36.108(d) of the Texas Water Code before voting to propose the DFCs for the relevant aquifers in GMA 8, including:

- aquifer uses or conditions within the management area, including conditions that differ substantially from one geographic area to another;
- the water supply needs and water management strategies included in the state water plan;
- hydrological conditions, including for each aquifer in the management area the total estimated recoverable storage as provided by the TWDB executive administrator, and the average annual recharge, inflows, and discharge;
- other environmental impacts, including impacts on spring flow and other interactions between groundwater and surface water;
- the impact on subsidence;
- socioeconomic impacts reasonably expected to occur;
- the impact on the interests and rights in private property, including ownership and the rights of management area landowners and their lessees and assigns in groundwater as recognized under Section 36.002 of the Texas Water Code;
- the feasibility of achieving the desired future condition; and
- any other information relevant to the specific desired future conditions;

WHEREAS, the GMA 8 Districts considered groundwater availability models and other data or information for GMA 8 as required by Section 36.108(d) of the Texas Water Code;

WHEREAS, the DFCs proposed by the GMA 8 Districts provide a balance between 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 pursuant to Section 36.108(d-2) of the Texas Water Code;

WHEREAS, the GMA 8 Districts will document in the explanatory report required under Section 36.108(d-3) of the Texas Water Code all consideration of the factors and criteria required for proposing DFCs for adoption under Section 36.108 of the Texas Water Code;

WHEREAS, representatives of the GMA 8 Districts convened for a meeting to take up and consider proposing for adoption the DFCs for all relevant aquifers within GMA8, which was

open to the public, this day, the 31st day of March, 2026, at 10:00 a.m.;

WHEREAS, with voting representatives in attendance from at least two-thirds (2/3) of the GMA 8 Districts, the notice and meeting requirements set forth by Sections 36.108(e) of the Texas Water Code have been met regarding this March 31, 2026 meeting, and a true and correct copy of each of the notices required under Section 36.108(e) is included as Attachment “A” to this resolution, which is fully incorporated herein for all purposes;

WHEREAS, the GMA 8 Districts have adopted administrative procedures for the consideration, proposal, and adoption of DFCs, and the GMA 8 Districts find that the DFCs proposed by this resolution were considered and proposed in compliance with the requirements of those administrative procedures in all respects;

WHEREAS, the GMA 8 Districts find therefore that the notice and meeting requirements to take up, consider, and propose for adoption the proposed DFCs for all relevant aquifers within GMA 8 have been and are satisfied;

WHEREAS, the DFCs proposed by this resolution will be distributed by mail to the GMA 8 Districts, initiating a 90-day public comment period by which each district in GMA 8 must hold a public hearing on the DFCs proposed that are relevant to that district pursuant to Section 36.108(d-2) of the Texas Water Code;

WHEREAS, each district within GMA 8 will thereafter compile a written summary of relevant comments received at the public hearing held by the district, any suggested revisions to the proposed DFCs, and the basis for any such revisions, and will submit its summary report electronically to the GMA 8 Districts, and the GMA 8 district representatives shall reconvene to review the reports, consider any suggested revisions to the proposed DFCs, and finally adopt the DFCs for GMA 8;

WHEREAS, it is the intent and purpose of the GMA 8 Districts by adoption of this resolution to fulfill the DFC proposal requirements of Section 36.108 of the Texas Water Code; and

WHEREAS, the GMA 8 Districts find that the proposed DFCs for adoption in GMA 8 are in each instance merited and necessary to support the management of groundwater resources within the boundaries of the GMA 8 Districts in a manner consistent with the requirements of Chapter 36, Texas Water Code.

NOW, THEREFORE, BE IT RESOLVED BY THE REPRESENTATIVES OF THE GROUNDWATER CONSERVATION DISTRICTS WITHIN GROUNDWATER MANAGEMENT AREA 8:

- 1) Each of the affirmations and recitals set forth above are true and correct and fully incorporated into this resolution.

- 2) No less than two-thirds (2/3) of the authorized voting representatives of the GMA 8 Districts hereby propose the desired future conditions for the relevant aquifers within GMA 8 as those set forth in Attachment "B" to this resolution, which is fully incorporated herein for all purposes.
- 3) The GMA 8 Districts and their agents and representatives, individually and collectively, are further authorized to take any and all actions necessary to implement this resolution, including but not limited to the additional actions required for adoption of the desired future conditions in accordance with Section 36.108 of the Texas Water Code.

AND IT IS SO ORDERED.

PASSED AND ADOPTED on this 31st day of March, 2026.

(Signature page of Central Texas Groundwater Conservation District to Resolution to Propose for Adoption Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8)

ATTEST:

Central Texas Groundwater Conservation District

(Signature page of Clearwater Underground Water Conservation District to Resolution to Propose for Adoption Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8)

ATTEST:

Clearwater Underground Water Conservation District

(Signature page of Middle Trinity Groundwater Conservation District to Resolution to Propose for Adoption Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8)

ATTEST:

Middle Trinity Groundwater Conservation District

(Signature page of North Texas Groundwater Conservation District to Resolution to Propose for Adoption Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8)

ATTEST:

North Texas Groundwater Conservation District

(Signature page of Northern Trinity Groundwater Conservation District to Resolution to Propose for Adoption Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8)

ATTEST:

Northern Trinity Groundwater Conservation District

(Signature page of Post Oak Savannah Groundwater Conservation District to Resolution to Propose for Adoption Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8)

ATTEST:

Post Oak Savannah Groundwater Conservation District

(Signature page of Prairielands Groundwater Conservation District to Resolution to Propose for Adoption Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8)

ATTEST:

Prairielands Groundwater Conservation District

(Signature page of Red River Groundwater Conservation District to Resolution to Propose for Adoption Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8)

ATTEST:

Red River Groundwater Conservation District

(Signature page of Saratoga Underground Water Conservation District to Resolution to Propose for Adoption Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8)

ATTEST:

Saratoga Underground Water Conservation District

(Signature page of Southern Trinity Groundwater Conservation District to Resolution to Propose for Adoption Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8)

ATTEST:

Southern Trinity Groundwater Conservation District

(Signature page of Upper Trinity Groundwater Conservation District to Resolution to Propose for Adoption Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8)

ATTEST:

Upper Trinity Groundwater Conservation District

ATTACHMENT A

NOTICE OF MARCH 31, 2026 GMA 8 MEETING
PROVIDED BY EACH OF THE GMA 8 DISTRICTS

ATTACHMENT B

DESIRED FUTURE CONDITIONS PROPOSED FOR ADOPTION

ATTACHMENT 16

5.0 Why DFCs Changed from Previous Five-year Planning Period

The Desired Future Conditions (DFCs) adopted for this joint planning cycle differ from those adopted in the previous five-year period partially due to the update and recalibration of the Northern Trinity Woodbine groundwater availability model (NTGAM) (Ellis and others, 2026) that was used to predict aquifer conditions in GMA-8. These updates improved the representation of aquifer behavior based on additional data, refined hydrogeologic understanding, and updated model construction. As a result, the model now produces different estimates of drawdown under the same pumping conditions that were previously evaluated.

The most significant changes in model behavior are associated with revisions to aquifer properties, particularly transmissivity and storativity. Transmissivity controls how readily water can move through the aquifer, while storativity governs how much water is released from storage in response to declines in hydraulic head. Adjustments to these parameters during recalibration, based on updated aquifer test data, water level observations, and improved calibration targets, directly affect how the aquifer responds to pumping. For example, a reduction in transmissivity or storativity in portions of the model may result in greater simulated drawdown for the same pumping rate, while increases in these properties may result in less drawdown.

In addition to aquifer properties, secondary changes to model structure and recharge distribution also contribute to differences in simulated outcomes. Structural updates include revised layer elevations, thicknesses, or connectivity between hydrostratigraphic units, which influence how water moves vertically and laterally within the system. Recharge estimates also have been updated to reflect a new conceptual understanding of recharge processes. While these factors are generally of secondary importance compared to transmissivity and storativity, they can still meaningfully influence simulated water levels over long-term planning horizons. Recharge can be especially important in updip districts where the majority of the aquifer is unconfined.

A key implication of these updates is that the same level of pumping (modeled available groundwater, or MAG) no longer produces the same drawdown response as it did in the previous planning cycle. Groundwater Conservation Districts within GMA-8 have historically managed groundwater production in alignment with prior MAG estimates and associated DFCs. When the underlying model is updated, maintaining the same MAG may lead to either greater or lesser drawdown than previously anticipated, depending on how aquifer properties and other inputs have changed.

Because DFCs are defined in terms of allowable drawdown or water level conditions, one approach to consistency would be to hold the DFC constant and allow MAG to change in response to the updated model. However, in practice, this can result in substantial changes to the amount of groundwater considered available for existing and near-term permitted uses. To avoid major disruptions to permit holders and water supply planning efforts, GMA-8 considered adjustments to the DFCs that reflect the updated model response while maintaining reasonable continuity in groundwater availability.

Accordingly, the revised DFCs represent a balance between improved scientific understanding of the aquifer system and the practical need for regulatory and planning stability. The changes do not reflect a

shift in management objectives, but rather an updated technical basis for evaluating how those objectives are achieved under current modeling conditions.

In addition to changes due to the model update, each District was given the opportunity to provide additional input on why the DFCs changed, as detailed in each subsection below.

5.1 Central Texas GCD

5.2 Clearwater Underground Water Conservation District (UWCD)

5.3 Middle Trinity GCD

5.4 North Texas GCD

5.5 Northern Trinity GCD

5.6 Post Oak Savannah GCD

5.7 Prairielands GCD

5.8 Red River GCD

5.9 Saratoga UWCD

5.10 Southern Trinity GCD

5.11 Upper Trinity GCD

6.0 Summary of GCDs Progress Towards Achieving DFCs

TWC 36.108(d-3)(7) requires Management Areas to “include a summary of how each district is performing in achieving the desired future conditions.” Each member District in GMA 8 has provided a response to this prompt, which is presented in the following subsections.

6.1 Central Texas GCD

6.2 Clearwater Underground Water Conservation District (UWCD)

6.3 Middle Trinity GCD

6.4 North Texas GCD

6.5 Northern Trinity GCD

6.6 Post Oak Savannah GCD

6.7 Prairielands GCD

6.8 Red River GCD

6.9 Saratoga UWCD

6.10 Southern Trinity GCD

6.11 Upper Trinity GCD

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