

RESOLUTION NO. 2022-07-26-02  
ADOPTING 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 (“GMA”) designated by the Texas Water Development Board (“TWDB”) to adopt desired future conditions (“DFCs”) for the relevant aquifers located within the GMA;

**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 “the GMA 8 Districts”);

**WHEREAS**, after consideration of multiple GAM runs and other data and information relevant to the development of DFCs as required by Sections 36.108(d)-(d-3) of the Texas Water Code, the representatives of the GMA 8 Districts voted to approve proposed DFCs for the relevant aquifers in GMA 8 at a public meeting held on October 27, 2020;

**WHEREAS**, pursuant to Section 36.108(d-3) of the Texas Water Code, the representatives of the GMA 8 Districts voted to adopt the DFCs for the relevant aquifers in GMA 8 at a public meeting held on November 4, 2021;

**WHEREAS**, the GMA 8 Districts also voted to approve the Explanatory Report as required by Section 36.108(d-3) at the November 4, 2021, GMA 8 meeting;

**WHEREAS**, during the TWDB’s administrative completeness review of the resolution and Explanatory Report pursuant to Sections 36.108(d-3)-(d-4) of the Texas Water Code, TWDB identified minor and substantive corrections needed to Attachment B of the “Resolution to Adopt Desired Future Conditions for Relevant Aquifers in Groundwater Management Area 8” and to the Explanatory Report adopted by the representatives of the GMA 8 Districts on November 4, 2021;

**WHEREAS**, the GMA 8 Districts find that certain revisions to the DFCs adopted at the November 4, 2021, GMA 8 meeting are necessary to make the minor and substantive corrections identified by the TWDB;

**WHEREAS**, the GMA 8 Districts find that all deadlines set forth in Section 36.108 of the Texas Water Code related to DFC proposal for adoption and final adoption of the DFCs by GMA 8 have been met;

**WHEREAS**, the GMA 8 Districts find that all prior actions taken and factors considered by the GMA 8 Districts related to this round of joint planning are each valid and support the revisions necessary to correct the DFCs in compliance with the statutory requirements;

**WHEREAS**, the corrections identified to the DFCs are considered to be suggested revisions to the proposed DFCs pursuant to Section 36.108(d-3) of the Texas Water Code;

**WHEREAS**, in order to finally adopt the revised DFCs, as required by Section 36.108(d-3) of the Texas Water Code, the representatives of the GMA 8 Districts convened for a meeting, which was duly noticed and open to the public, this day, July 26, 2022, at 10:00 a.m. at the Prairielands Groundwater Conservation District Office, to take up and consider the adoption of the DFCs for all relevant aquifers within GMA 8;

**WHEREAS**, of the eleven (11) GMA 8 Districts, the meeting this day was attended by duly appointed voting representatives from the following districts (as indicated):

- 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
- Upper Trinity Groundwater Conservation District;

**WHEREAS**, the GMA 8 Districts find that the notice and meeting requirements to review, consider, and adopt DFCs for all relevant aquifers within GMA 8 have been and are satisfied, with a true and correct copy of each of the notices required under Section 36.108(e) of the Texas Water Code attached hereto in Attachment A and incorporated herein for all purposes;

**WHEREAS**, the GMA 8 Districts have documented 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 adopting DFCs under Section 36.108 of the Texas Water Code and necessary conforming changes have been made to the Explanatory Report as identified in TWDB's administrative completeness review; and

**WHEREAS**, the GMA 8 Districts find that the adoption of the DFCs provided herein 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, 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 adopt the DFCs for the relevant aquifers within GMA 8 as those set forth in Attachment B to this resolution, which is fully incorporated herein. For purposes of all calculations related to the adopted DFCs that are conducted by the TWDB, the GMA 8 Districts assume the model results are consistent with the proposed DFCs if the average drawdowns calculated by the TWDB are within five percent (5%) or five feet (5'), whichever is larger, of the proposed DFC drawdown values.
3. The revisions to the DFCs identified in Attachment C to this resolution, which is fully incorporated herein, are those revisions identified under Section 36.108(d-3) of the Texas Water Code that are necessary in order for the district-wide and county-wide scale DFC values to align with the aquifer-wide DFC values as set forth in the model results.
4. 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 DFCs in accordance with Section 36.108 of the Texas Water Code.

AND IT IS SO ORDERED.

PASSED AND ADOPTED on this 26th day of July, 2022.

ATTEST:

  
Central Texas Groundwater Conservation District


  
Clearwater Underground Water Conservation District

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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

  
Upper Trinity Groundwater Conservation District

# **ATTACHMENT A**

# **ATTACHMENT B**

**Attachment B: Desired Future Conditions (DFCs) adopted by District Representatives in GMA 8 for all relevant aquifers.**

**Table 1 – 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). Planning period from January 1, 2010 through December 31, 2080.**

<b>GMA 8 Adopted DFCs -Aquifer-Wide Scale</b>	
Woodbine	146
Paluxy	193
Glen Rose	148
Twin Mountain	345
Travis Peak	207
Hensell	148
Hosston	262
Antlers	193

**Table 2 – GMA 8 DFCs adopted at a GCD scale for Northern Trinity and Woodbine aquifers (except for Upper Trinity GCD, see below for Upper Trinity GCD) based on total average drawdown in feet (both unconfined and confined drawdown). Planning period from January 1, 2010 through December 31, 2080.**

<b>GMA 8 Adopted DFCs - GCD Scale</b>								
<b>GCD</b>	<b>Wood-bine</b>	<b>Paluxy</b>	<b>Glen Rose</b>	<b>Twin Mtn</b>	<b>Travis Peak</b>	<b>Hensell</b>	<b>Hosston</b>	<b>Antlers</b>
Central Texas GCD	—	—	2	—	19	7	21	—
Clearwater UWCD	—	17	83	—	333	145	375	—
Middle Trinity GCD	—	5	29	8	98	77	124	12
North Texas GCD	263	690	366	601	—	—	—	305
Northern Trinity GCD	6	105	163	348	—	—	—	177
Post Oak Savannah GCD	—	—	241	—	412	261	412	—
Prairielands GCD	44	44	142	170	323	201	364	—
Red River GCD	209	830	335	405	291	—	—	321
Saratoga UWCD	—	—	1	—	6	1	11	—
Southern Trinity GCD	6	41	148	—	504	242	582	—

**Table 3 – GMA 8 DFCs adopted for Upper Trinity GCD for Northern Trinity and Woodbine aquifers based on total average feet of drawdown, discretized based on outcrop and downdip extent. Planning period from January 1, 2010 through December 31, 2080.**

<b>GMA 8 Adopted DFCs – Upper Trinity GCD</b>		
<b>Antlers</b>	<b>Outcrop</b>	<b>47</b>
	<b>Downdip</b>	<b>154</b>
<b>Paluxy</b>	<b>Outcrop</b>	<b>6</b>
	<b>Downdip</b>	<b>2</b>
<b>Glen Rose</b>	<b>Outcrop</b>	<b>15</b>
	<b>Downdip</b>	<b>45</b>
<b>Twin Mtn</b>	<b>Outcrop</b>	<b>10</b>
	<b>Downdip</b>	<b>70</b>





**Table 4 - GMA 8 DFCs adopted at a county scale for Northern Trinity and Woodbine aquifers (except for Upper Trinity GCD counties, see Table 5 below for these counties) based on total average drawdown in feet (both unconfined and confined drawdown). Planning period from January 1, 2010 through December 31, 2080.**

GMA 8 Adopted DFCs - County Scale								
County	Wood-bine	Paluxy	Glen Rose	Twin Mtn	Travis Peak	Hensell	Hosston	Antlers
Red River	2	24	40	—	57	—	—	15
Rockwall	275	433	343	466	—	—	—	—
Somervell	—	4	4	50	64	17	120	—
Tarrant	6	105	163	348	—	—	—	177
Taylor	—	—	—	—	—	—	—	0
Travis	—	—	90	—	219	68	226	—
Williamson	—	—	78	—	220	89	225	—

**Table 5 - GMA 8 DFCs adopted at a county scale for Upper Trinity GCD counties for Northern Trinity and Woodbine aquifers based on total average drawdown in feet for outcrop and downdip areas. Planning period from January 1, 2010 through December 31, 2080.**

GMA 8 Adopted DFCs - Upper Trinity GCD by county (O-Outcrop, D-Downdip)				
County	Antlers	Paluxy	Glen Rose	Twin Mtn
Hood -O	—	6	9	13
Hood-D	—	—	39	72
Montague-O	40	—	—	—
Montague-D	—	—	—	—
Parker-O	42	6	20	7
Parker-D	—	2	50	68
Wise-O	60	—	—	—
Wise-D	154	—	—	—

**Table 6 - GMA 8 DFCs in acre-feet per month spring/stream flow adopted for the Edwards (BFZ) Aquifer. Planning period from January 1, 2010 through December 31, 2080. DFCs are in acre-feet per month spring/stream flow in Bell, Travis, and Williamson counties.**

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 7 - GMA 8 DFCs adopted at a county scale for the Llano Uplift Aquifers based on total average feet of drawdown. Planning period from January 1, 2010 through December 31, 2080.**

County	Ellenburger-San Saba Aquifer	Hickory Aquifer	Marble Falls Aquifer
Brown	3	3	3
Burnet	12	11	11
Lampasas	16	16	16
Mills	9	9	9

# ATTACHMENT C

**ATTACHMENT C – REVISIONS TO DFCs PROPOSED FOR ADOPTION**

**Woodbine Aquifer – GCD Scale**

GCD	Proposed DFC (in feet)	Adopted DFC (in feet)
North Texas GCD	123	263
Prairielands GCD	35	44

**Trinity Aquifer – County Scale**

County	Glen Rose	
	Proposed DFC (in feet)	Adopted DFC (in feet)
Travis	83	90

**Trinity Aquifer – GCD Scale**

GCD	Glen Rose		Hensell		Hosston	
	DFC Proposed (in feet)	Adopted DFC (in feet)	DFC Proposed (in feet)	Adopted DFC (in feet)	DFC Proposed (feet)	Adopted DFC (in feet)
Middle Trinity GCD	20	29	58	77	108	124

GCD	Paluxy		Glen Rose		Twin Mountains	
	DFC Proposed (in feet)	Adopted DFC (in feet)	DFC Proposed (in feet)	Adopted DFC (in feet)	DFC Proposed (in feet)	Adopted DFC (in feet)
North Texas GCD	465	690	300	366	485	601

GCD	Paluxy	
	DFC Proposed (in feet)	Adopted DFC (in feet)
Saratoga UWCD	2	Not applicable (—)

“DFC Proposed” means the DFC proposed for adoption by resolution approved at the October 27, 2020, GMA 8 meeting.

“Adopted DFC” means the DFC adopted by resolution approved at the July 26, 2022, GMA 8 meeting.