

GROUNDWATER MANAGEMENT AREA 8

JOINT PLANNING MEETING

Join by computer, tablet or smartphone at the following link:
<https://global.gotomeeting.com/join/484143909>

or

Join by phone 408-650-3123 with access code: 484-143-909

**FRIDAY
August 7, 2020
10:00 AM**

**NOTICE OF MEETING
GROUNDWATER MANAGEMENT AREA 8**

Join by computer, tablet or smartphone at the following link:
<https://global.gotomeeting.com/join/484143909>

or

Join by phone 408-650-3123 with access code: 484-143-909

Friday, August 7, 2020 – 10:00 a.m.

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 August 7, 2020.**

Notice is hereby given that, in accordance with Governor Abbott's March 16, 2020, action to temporarily suspend certain provisions of the Texas Open Meetings Act, a Joint Planning Meeting will be held via telephone and video conference call beginning at 10:00 a.m. on August 7, 2020. Any member of the public who wishes to participate remotely may do so through the remote access options provided above.

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 May 15, 2020, GMA 8 meeting.
6. Discussion and possible action on results from the Central Texas Llano Uplift model run.
7. Discuss and possible action regarding GMA 8 declaration of non-relevant aquifers.
8. Presentation, discussion and possible action on options for Desired Future Conditions statements and next steps to establish proposed Desired Future Conditions.
9. Discussion and possible action on margin of error language for the Desired Future Conditions Statement.
10. Consider and act upon adopting a resolution regarding the reassignment of GMA boundaries between GMA 8 and GMA 6.

11. Consider and act upon adopting a resolution regarding the reassignment of GMA boundaries between GMA 8 and GMA 7.
12. Consider and act upon adopting a resolution regarding the reassignment of GMA boundaries between GMA 8 and GMA 9.
13. Discussion of possible agenda items and dates for next GMA 8 meeting.
14. Closing comments.
15. Adjourn.

Dated this 15th day of July, 2020

Joe Cooper, 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
May 15, 2020**

Join by computer, tablet or smartphone at the following link:
<https://global.gotomeeting.com/join/308505565>

or

Join by phone 1-646-749-3112 with access code: 308-505-565

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 Friday, May 15, 2020, via telephone and video conference call.**

Notice is hereby given that, in accordance with Governor Abbott’s March 16, 2020, action to temporarily suspend certain provisions of the Texas Open Meetings Act, a Joint Planning Meeting will be held via telephone and video conference call beginning at 10:00 a.m. on May 15, 2020. Any member of the public who wishes to participate remotely may do so through the remote access options provided above.

Groundwater Conservation District Representatives Present:

Central Texas GCD: Mitchell Sodek	Prairielands GCD: Charles Besda
Clearwater UWCD: Dirk Aaron	Red River GCD: David Gattis
Middle Trinity GCD: Joe Cooper	
North Texas GCD: Ronny Young	Southern Trinity GCD: Rodney Kroll
Northern Trinity GCD: Bob Patterson	Upper Trinity GCD: Doug Shaw
Post Oak Savannah GCD: Gary Westbrook	

Groundwater Conservation District Representatives Absent:

Saratoga UWCD

1. Invocation

Gary Westbrook, Post Oak Savannah GCD, provided the invocation for the meeting.

2. Call meeting to order and establish quorum

Chairman Joe Cooper, Middle Trinity GCD, established that a quorum was present and called the GMA 8 meeting to order at 10:02 a.m.

3. *Welcome and introductions.*

Chairman Joe Cooper, Middle Trinity GCD welcomed the guests present at the meeting.

4. *Public Comments.*

There were no public comments.

5. *Consider and act upon approval of minutes from the February 26, GMA 8 meeting*

Doug Shaw, Upper Trinity GCD, made the motion to approve the February 26, 2020, GMA 8 meeting minutes. David Gattis, Red River GCD, seconded the motion. Motion passed unanimously.

6. *Discussion and possible action on results from updated NTWGAM run related to Joint Planning in GMA 8. Discussion will include changes made in Upper Trinity GCD, Prairielands GCD, Southern Trinity GCD, Clearwater UWCD, Central Texas GCD, and Williamson and Travis County.*

James Beach provided presentation Updated results with Run 11 included changes made by Upper Trinity GCD, Prairielands GCD, Southern Trinity GCD, Clearwater UWCD, Central Texas GCD, Williamson and Travis Counties. Clearwater UWCD was more detailed, they funded their changes. Separate Llano Uplift and Central Texas will be discussed at next meeting. MAGS from this round of planning will be used in 2027 State Water Plan. Run 11 begins in 2010 and model is extended to 2080. Pumping has been updated as provided by GCDs. One drought of record is included from 2078-2080. Discussion was held regarding whether to include drought of record, leave where at, move, or remove. Dirk Arron, Clearwater UWCD, made the motion to leave the GAM Run as is currently set up. Mitchell Sodek, Central Texas GCD, seconded the motion. David Gattis, Red River GCD, opposed the motion. Motion passed.

The following updates were received by WSP: Upper Trinity GCD Pumping changes were explained by Doug Shaw. Southern Trinity GCD changes were reduction of pumping. Prairielands GCD had no change to overall pumping. Clearwater UWCD Pumping shifted pumping and made adjustments. Dirk Aaron explained Williamson and Travis County increased number of wells in Clearwater District and Williamson and Travis counties. Williamson and Travis requested to shift to Hosston Aquifer for wells. Mitchell Sodek Central Texas, working with Clearwater did change total distribution between layers adjusted figures.

James Beach, WSP, reviewed Run 11 Results – DFC, Run 10 and 11 compare 2070 results, and DFC differences. There were some increase in drawdowns and some less drawdowns based on changes made. Run 11 Result was drawdown (2010-2080).

An agenda item for the next time is the Central Texas changes. GCDs make sure no other changes and discuss at next meeting proposed DFCs.

7. *Presentations and discussions regarding Socioeconomic Impacts, Feasibility of Desired Future Conditions (DFCs), and Other Relevant Information factors as they relate to Desired Future Conditions (DFCs) adoption pursuant to Texas Water Code Section 36.108(d).*

James Beach, WSP, provided the presentation regarding Socioeconomic Impacts, Feasibility of Desired Future Conditions (DFCs), and Other Relevant Information factors as they relate to Desired Future

Conditions adoption pursuant to Texas Water Code Section 36.108(d). First six factors were discussed in November 2019 and February 2020. Propose DFC consider how these nine factors play into the decisions for the DFCs.

James Beach, WSP, reviewed the following: Feasibility of Achieving the DFC. Physical Achievability is the DFC physically possible within the aquifer. Regulatory Achievability Can the DFC be achieved via GCD management plan and rules/ does the regulated community and stakeholders agree with the management approach required to achieve the DFC? Standard for Desired Future Conditions, Highest Practical Level of Groundwater Production, Conservation preservation, Protection, Recharging, and Prevention. Previous Runs done, the impact on public water supply wells, Socioeconomic Impacts is on Public Water supply wells run used. Group decided on run some impacts.

Socioeconomic Impacts presented by Velma Danielson, Blanton & Associates, Inc. and Second Round information was reviewed. GMA 8 to decide if impacts of DFC in second round are still relevant.

8. Update on similar rules surveys.

General Manager Drew Satterwhite provided updated summary of responses on the similar rules surveys from all districts. A survey will be sent to Districts regarding differences that districts have no control over.

9. Receive update from the Texas Water Development Board.

Jean Perez provided update on Texas Water Development Board. Reviewing management plans. Ground water program monitoring springs and wells water level monitoring group.

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

Presentation about slivers resolutions working with neighboring GMA. Discussion on Llano Uplift results, Northern Trinity Woodbine and Non relevant aquifers

13. Closing comments.

14. Adjourn

Gary Westbrook, Post Oak Savannah GCD, made motion to adjourn. Bob Patterson, Northern Trinity GCD, seconded motion. Chairman Joe Cooper, Middle Trinity GCD, declared the meeting adjourned at 11:28 a.m.

The GMA 8 Committee unanimously approved the minutes on this _____ day of _____, 2020

Recording Secretary

Chairman

ATTACHMENT 10

**RESOLUTION NO. 2020-08-07-01
OF GROUNDWATER MANAGEMENT AREA 8
REGARDING THE REASSIGNMENT OF WESTERN MONTAGUE, PARKER, AND WISE COUNTIES
TO GMA 6 AND NORTHEASTERN AND SOUTHEASTERN JACK, SOUTHEASTERN PALO PINTO,
AND SOUTHERN SHACKELFORD COUNTIES TO GMA 8**

WHEREAS, groundwater conservation districts are charged by the Texas Legislature with providing for the conservation, preservation, protection, and prevention of waste of groundwater, and of groundwater resources under Section 36.0015, Texas Water Code;

WHEREAS, groundwater conservation districts are required by 36.108 et seq., Texas Water Code, to meet with the other groundwater districts within their Groundwater Management Areas (GMAs), as designated by the Texas Water Development Board, for joint planning;

WHEREAS, as part of the joint planning process, the groundwater districts within each GMA are required to collectively establish desired future conditions for the relevant aquifers within the GMA using groundwater availability models and other data;

WHEREAS, Montague, Parker, and Wise Counties are currently fully within GMA 8;

WHEREAS, Jack, Palo Pinto, and Shackelford Counties are currently fully within GMA 6;

WHEREAS, western Montague, Parker, and Wise Counties are underlain by the Cross Timbers Aquifer, similar to the eastern portion of GMA 6;

WHEREAS, northeastern and southeastern Jack, southeastern Palo Pinto, and southern Shackelford Counties are underlain by the Trinity Aquifer, similar to most of GMA 8;

WHEREAS, GMA 6 is the GMA setting the desired future conditions for all aquifers similar to those in western Montague, Parker, and Wise Counties, including the Cross Timbers Aquifer;

WHEREAS, GMA 8 is the GMA setting the desired future conditions for the northern Trinity Aquifer, which also extends into northeastern and southeastern Jack, southeastern Palo Pinto, and southern Shackelford Counties;

WHEREAS, the Upper Trinity Groundwater Conservation District is managing the groundwater resources in western portions of Montague, Parker, and Wise Counties that are underlain by similar aquifers and hydrogeological conditions as those found in the eastern portion of GMA 6;

WHEREAS, the constituents of western Montague, Parker, and Wise Counties would be better served belonging to a GMA that is already considering the hydrogeological conditions of their groundwater resources—to wit, GMA 6;

WHEREAS, the Upper Trinity Groundwater Conservation District requests that the Texas Water Development Board amend the boundary between GMA 6 and GMA 8 to reassign: (1) the western portions of Montague, Parker, and Wise Counties that do not overlie the Trinity Aquifer to GMA 6; and (2) the northeastern and southeastern portions of Jack, southeastern portion of Palo Pinto, and southern portion of Shackelford Counties that overlie the Trinity Aquifer to GMA 8; and

WHEREAS, the district representatives of GMA 8 find that geographic and hydrogeologic conditions and factual data related thereto justify and require the proposed amendment to the boundary separating GMA 6 and GMA 8 and that the proposed amendment will result in the most suitable GMA boundaries for the management of the Trinity Aquifer, the Cross Timbers Aquifer, and other groundwater resources in GMA 6 and GMA 8.

NOW, THEREFORE, BE IT RESOLVED BY THE DISTRICT REPRESENTATIVES OF GROUNDWATER MANAGEMENT AREA 8 THAT:

- (1) The above recitals are true and correct.**
- (2) Groundwater Management Area 8 hereby supports the reassignment by the Texas Water Development Board of the western portions of Montague, Parker, and Wise Counties that do not overlie the Trinity Aquifer and are currently in Groundwater Management Area 8 to Groundwater Management Area 6 and the reassignment of the northeastern and southeastern portions of Jack, southeastern portion of Palo Pinto, and southern portion of Shackelford Counties that are currently in Groundwater Management Area 6 and overlie the Trinity Aquifer to Groundwater Management Area 8.**
- (3) The proposed amendment to the boundary between Groundwater Management Area 6 and Groundwater Management Area 8 is justified and required by the geographic and hydrogeologic conditions and factual data related to the groundwater resources in the area of the proposed boundary change and will result in the most suitable GMA boundaries for the management of the Trinity Aquifer, the Cross Timbers Aquifer, and the other groundwater resources in the area as set forth in Title 31, Texas Administrative Code, Section 356.22 and Section 35.004, Texas Water Code.**

PASSED AND APPROVED this 7th day of August 2020.

GROUNDWATER MANAGEMENT AREA 8 DISTRICT REPRESENTATIVES:

Central Texas GCD

Clearwater UWCD

Middle Trinity GCD

North Texas GCD

Northern Trinity GCD

Post Oak Savannah GCD

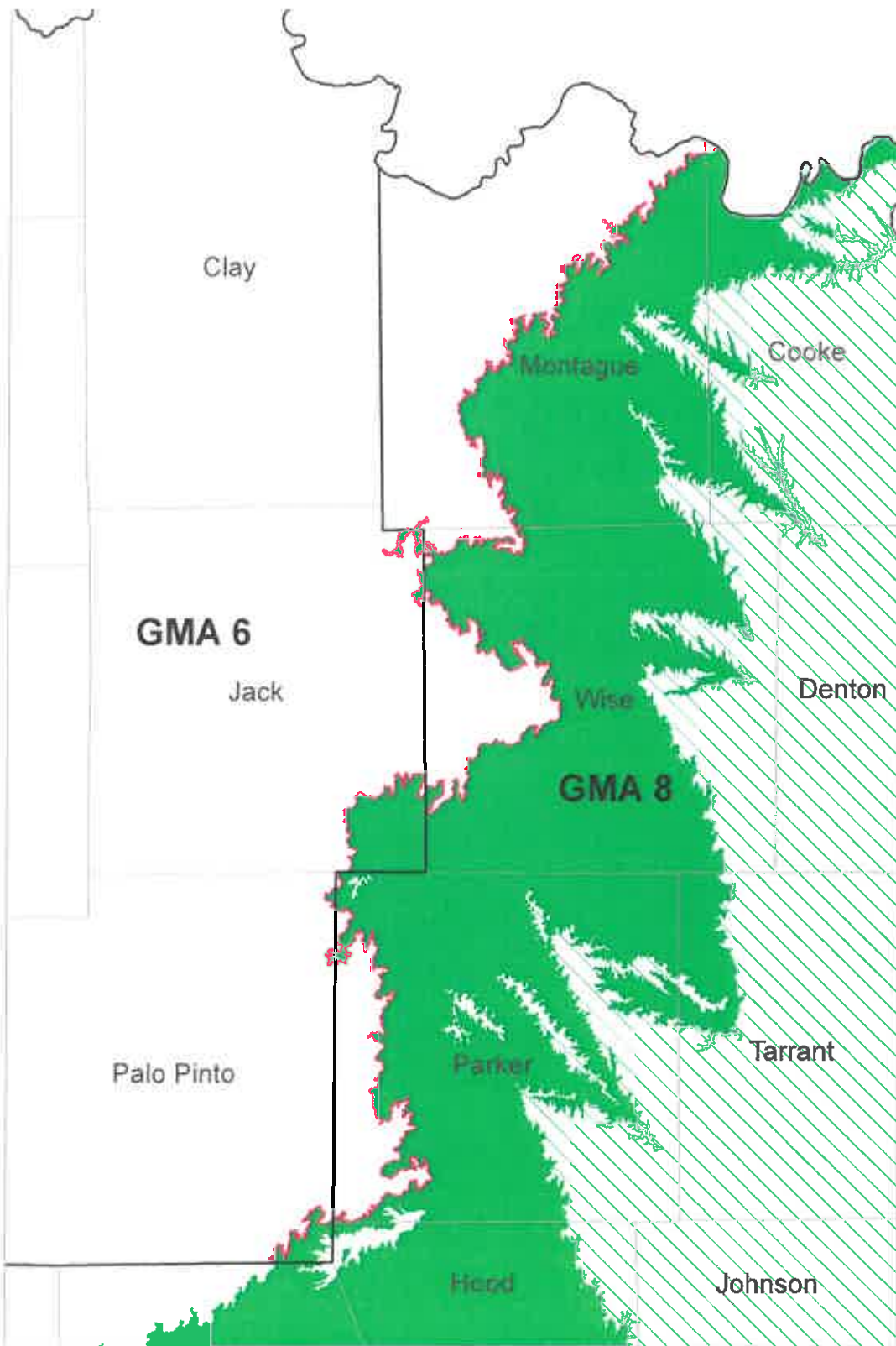
Prairielands GCD

Red River GCD

Saratoga UWCD

Southern Trinity GCD

Upper Trinity GCD



□ Current GMA boundaries

□ Proposed GMA boundaries

□ Counties

Aquifers

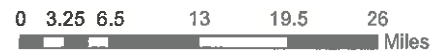
■ Trinity (outcrop)

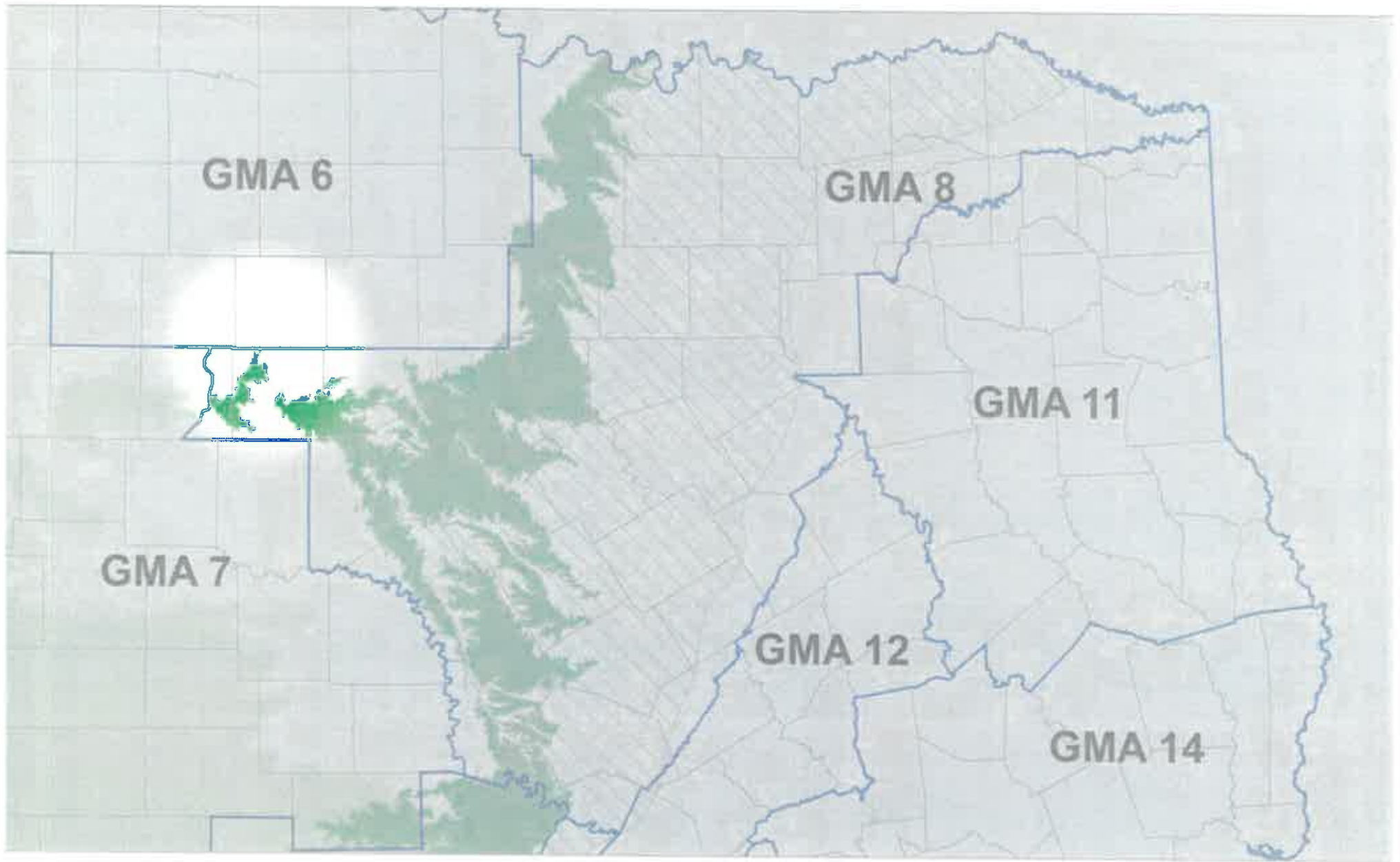
▨ Trinity (subcrop)

This map was produced by the Groundwater Technical Assistance Department to demonstrate potential boundary changes between groundwater management areas 6 and 8. This map should only be used for discussion purposes.



Texas Water
Development Board





□ Current GMA boundaries

□ Edwards - Trinity Plateau (outcrop)

■ Trinity (outcrop)

□ Trinity (subcrop)

0 12.5 25 50 75 100 Miles



Shackelford
GMA 6

Callahan
GMA 8

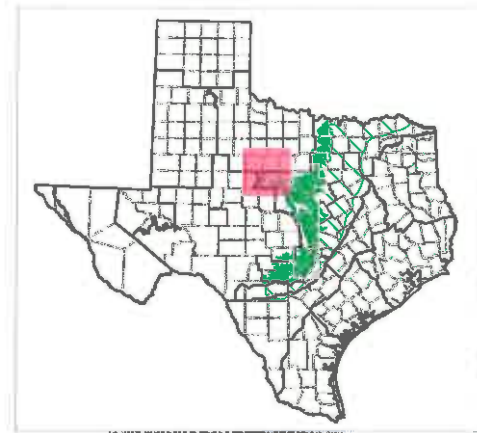
 Current GMA boundaries

 Proposed GMA boundaries

 Counties

Aquifers

 Trinity (outcrop)



This map was produced by the Groundwater Technical Assistance Department to demonstrate potential boundary changes between groundwater management areas 6 and 8. This map should only be used for discussion purposes.



Texas Water
Development Board

0 0.23 0.45 0.9 1.35 1.8 Miles

ATTACHMENT 11

**RESOLUTION NO. 2020-08-07-02
OF GROUNDWATER MANAGEMENT AREA 8
REGARDING THE REASSIGNMENT OF BOUNDARIES BETWEEN GMA7 AND GMA 8**

WHEREAS, groundwater conservation districts are charged by the Texas Legislature with providing for the conservation, preservation, protection, and prevention of waste of groundwater, and of groundwater resources under Section 36.0015, Texas Water Code;

WHEREAS, groundwater conservation districts are required by 36.108 et seq., Texas Water Code, to meet with the other groundwater districts within their Groundwater Management Areas (GMAs), as designated by the Texas Water Development Board, for joint planning;

WHEREAS, as part of the joint planning process, the groundwater districts within each GMA are required to collectively establish desired future conditions for the relevant aquifers within the GMA using groundwater availability models and other data;

WHEREAS, Taylor County is currently in both GMA 7 and GMA 8;

WHEREAS, the current boundaries between GMA7 and GMA 8 do not exclusively follow the Texas Water Development Board's modeled boundaries of the Edwards-Trinity Aquifer and the Trinity Aquifer;

WHEREAS, GMA 7 is the GMA setting the desired future conditions for the Edwards-Trinity Aquifer;

WHEREAS, GMA 8 is the GMA setting the desired future conditions for the Trinity Aquifer;

WHEREAS, GMA 8 requests that the Texas Water Development Board amend the boundary between GMA 7 and GMA 8 to reassign: (1) the sliver in Southeastern Taylor County of the Edwards-Trinity Aquifer to GMA 7; and (2) the sliver in Eastern Taylor County of the Trinity Aquifer to GMA 8; and

WHEREAS, the district representatives of GMA 8 find that geographic and hydrogeologic conditions and factual data related thereto justify and require the proposed amendment to the boundary separating GMA 7 and GMA 8, and that the proposed amendment will result in the most suitable GMA boundaries for the management of the Trinity Aquifer and the Edwards-Trinity Aquifer.

NOW, THEREFORE, BE IT RESOLVED BY THE DISTRICT REPRESENTATIVES OF GROUNDWATER MANAGEMENT AREA 8 THAT:

- (1) The above recitals are true and correct.**

- (2) Groundwater Management Area 8 hereby supports the reassignment by the Texas Water Development Board of the sliver in Southeastern Taylor County of the Edwards-Trinity Aquifer to Groundwater Management Area 7 and the sliver in Eastern Taylor County of the Trinity Aquifer to Groundwater Management Area 8.**
- (3) The proposed amendment to the boundary between Groundwater Management Area 7 and Groundwater Management Area 8 is justified and required by the geographic and hydrogeologic conditions and factual data related to the groundwater resources in the area of the proposed boundary change and will result in the most suitable GMA boundaries for the management of the Trinity Aquifer and Edwards-Trinity Aquifer, and the other groundwater resources in the area as set forth in Title 31, Texas Administrative Code, Section 356.22 and Section 35.004, Texas Water Code.**

PASSED AND APPROVED this 7th day of August 2020.

GROUNDWATER MANAGEMENT AREA 8 DISTRICT REPRESENTATIVES:

Central Texas GCD

Clearwater UWCD

Middle Trinity GCD

North Texas GCD

Northern Trinity GCD

Post Oak Savannah GCD

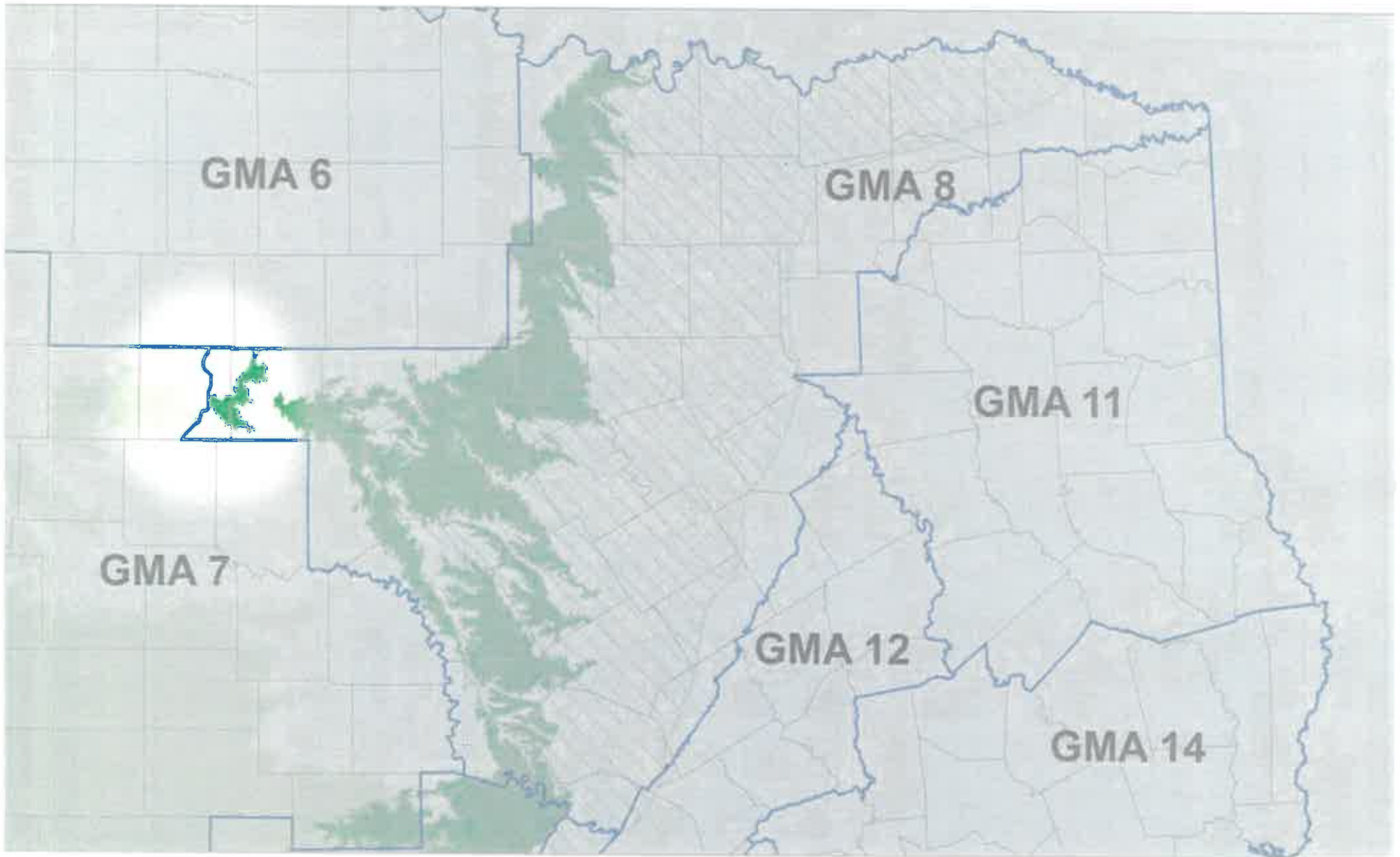
Prairielands GCD

Red River GCD

Saratoga UWCD

Southern Trinity GCD

Upper Trinity GCD



 Current GMA boundaries

 Edwards - Trinity Plateau (outcrop)

 Trinity (outcrop)

 Trinity (subcrop)

0 12.5 25 50 75 100 Miles



GMA 7

Taylor

GMA 8

 Current GMA boundaries

 Proposed GMA boundaries

 Trinity (outcrop)

0 0.25 0.5 1 1.5 2 Miles



GMA 7

Taylor

GMA 8

 Current GMA boundaries

 Proposed GMA boundaries

 Edwards - Trinity Plateau (outcrop)

0 0.25 0.5 1 1.5 2 Miles



ATTACHMENT 12

RESOLUTION NO. 2020-08-07-03
OF GROUNDWATER MANAGEMENT AREA 8
REGARDING THE REASSIGNMENT OF BOUNDARIES BETWEEN GMA9 AND GMA 8

WHEREAS, groundwater conservation districts are charged by the Texas Legislature with providing for the conservation, preservation, protection, and prevention of waste of groundwater, and of groundwater resources under Section 36.0015, Texas Water Code;

WHEREAS, groundwater conservation districts are required by 36.108 et seq., Texas Water Code, to meet with the other groundwater districts within their Groundwater Management Areas (GMAs), as designated by the Texas Water Development Board, for joint planning;

WHEREAS, as part of the joint planning process, the groundwater districts within each GMA are required to collectively establish desired future conditions for the relevant aquifers within the GMA using groundwater availability models and other data;

WHEREAS, Travis County is currently in both GMA 9 and GMA 8;

WHEREAS, the current boundaries between GMA 8 and GMA 9 do not exclusively follow the boundaries of Southwestern Travis County Groundwater Conservation District ("STCGCD"), and therefore small areas, or slivers, of STCGCD is within GMA 8;

WHEREAS, GMA 8 is the GMA setting the desired future conditions for the portions of the Trinity Aquifer north of STCGCD;

WHEREAS, GMA 9 is the GMA setting the desired future conditions for the portion of the Trinity Aquifer covering the vast majority of STCGCD, and also that portion of the Trinity Aquifer south of STCGCD;

WHEREAS, GMA 8 requests that the Texas Water Development Board amend the boundaries between GMA 9 and GMA 8 to reassign the boundaries based on the delineation of STCGCD's boundaries, as follows: (1) the slivers in Central Travis County outside of the boundaries of STCGCD be reassigned to GMA 8; and (2) the slivers in Central Travis County inside the boundaries of STCGCD be reassigned to GMA 9; and

WHEREAS, the district representatives of GMA 8 find that geographic and hydrogeologic conditions and factual data related thereto justify and require the proposed amendment to the boundary separating GMA 9 and GMA 8, and that the proposed amendment will result in the most suitable GMA boundaries for the management of the Trinity Aquifer.

NOW, THEREFORE, BE IT RESOLVED BY THE DISTRICT REPRESENTATIVES OF GROUNDWATER MANAGEMENT AREA 8 THAT:

- (1) The above recitals are true and correct.**
- (2) Groundwater Management Area 8 hereby supports the reassignment by the Texas Water Development Board of the slivers in Central Travis County outside the boundaries of Southwestern Travis County Groundwater Conservation District to GMA 8, and the slivers in Central Travis County inside the boundaries of Southwestern Travis County Groundwater Conservation District to GMA 9. Such reassignment will result in all territory within Southwestern Travis County Groundwater Conservation District to be within GMA 9.**
- (3) The proposed amendment to the boundary between Groundwater Management Area 9 and Groundwater Management Area 8 is justified and required by the geographic and hydrogeologic conditions and factual data related to the groundwater resources in the area of the proposed boundary change and will result in the most suitable GMA boundaries for the management of the Trinity Aquifer, and the other groundwater resources in the area as set forth in Title 31, Texas Administrative Code, Section 356.22 and Section 35.004, Texas Water Code.**

PASSED AND APPROVED this 7th day of August 2020.

GROUNDWATER MANAGEMENT AREA 8 DISTRICT REPRESENTATIVES:

Central Texas GCD

Clearwater UWCD

Middle Trinity GCD

North Texas GCD

Northern Trinity GCD

Post Oak Savannah GCD

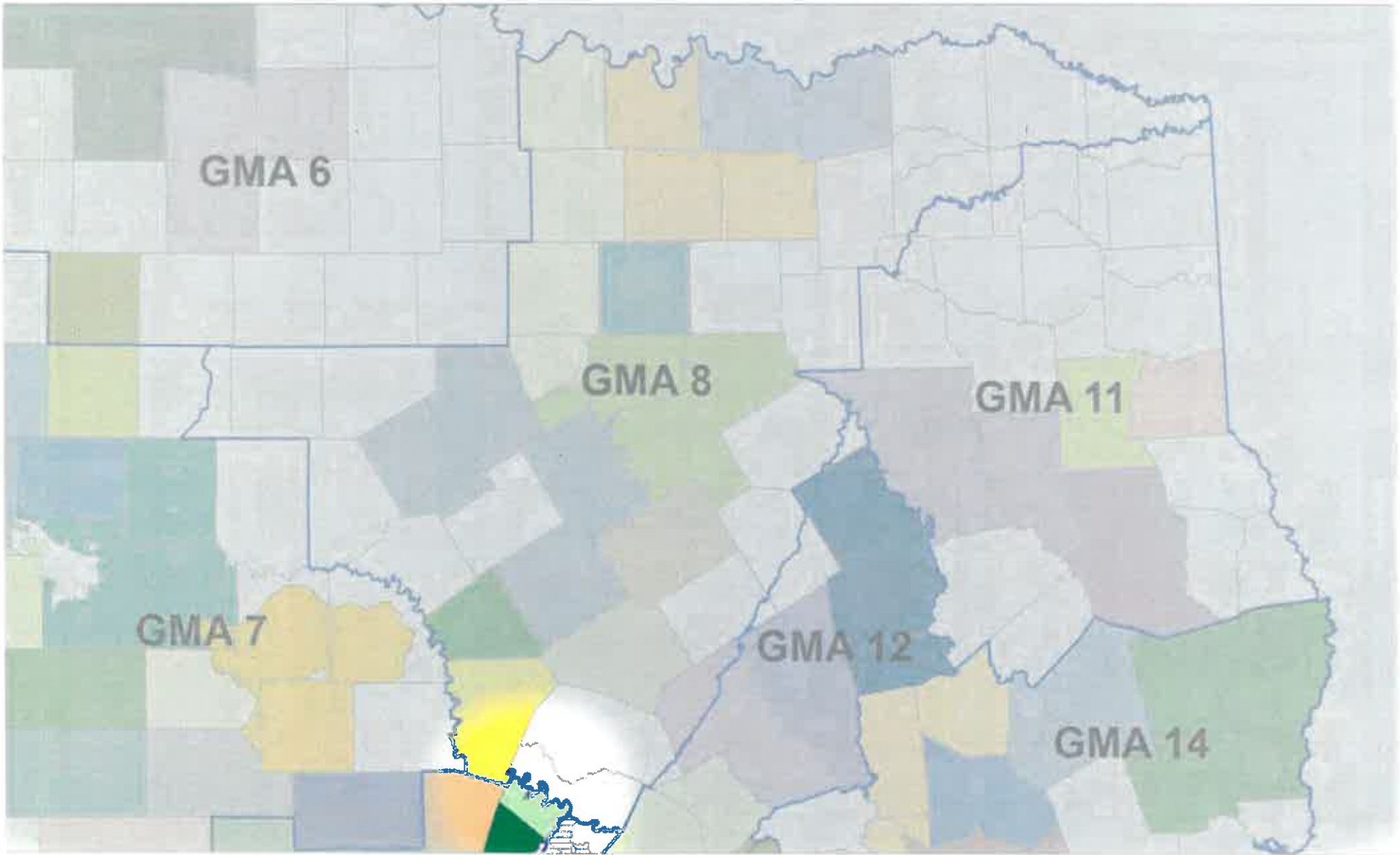
Prairielands GCD

Red River GCD

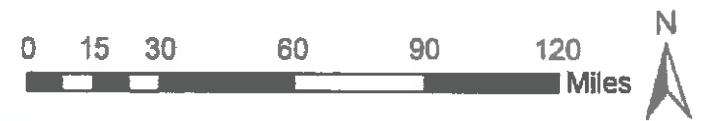
Saratoga UWCD

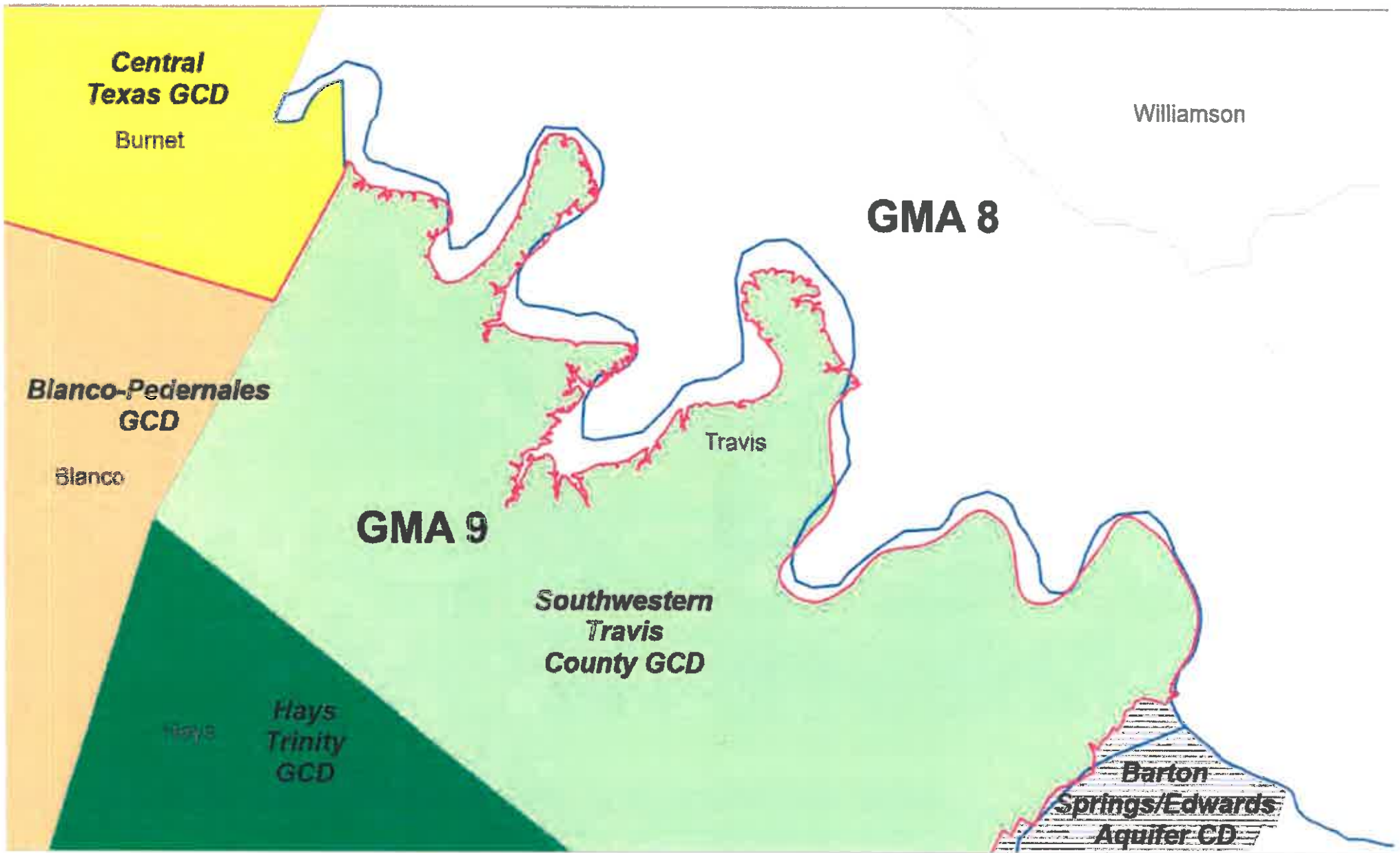
Southern Trinity GCD

Upper Trinity GCD



 Current GMA boundaries





Central Texas GCD

Burnet

Williamson

GMA 8

Blanco-Pedernales GCD

Blanco

GMA 9

Travis

Southwestern Travis County GCD

Hays
Hays Trinity GCD

Barton Springs/Edwards Aquifer CD

□ Current GMA boundaries

□ Proposed GMA boundaries

0 1 2 4 6 8 Miles





Current GMA boundaries

Proposed GMA boundaries



ADJOURN