



Brazos G Regional Water Planning Group

Thursday, November 7, 2024

10:00 AM

Brazos River Authority

Lt. Gen. Phillip J. Ford Central Office

4600 Cobbs Dr. Waco, TX 76710



1. Call Meeting to Order and Notice of Meeting

2. Invocation

3. Attendance and Announcements

4. Public Input - Public questions and comments on agenda items or water planning issues (limited to 5 minutes each)



5. Report and possible discussion from Texas Water Development Board (TWDB) staff

TWDB Update

- **Resources for IPP and Final RWP Processes**
 - IPP and Final Regional Water Plan Process Schematic
 - IPP and Final Regional Water Plan Public Notice Summary
 - IPP Review Checklist
- **Regional Water Plan Accessibility Requirements**
 - Guidance sent October 28th
- **Water for Texas 2025 Conference**
 - January 27th – 29th in Austin



6. Discussion and possible action on the report from the technical consultant

6.1. Regional Planning Updates

Brazos G Regional Water Planning

Item 6.1

Discussion and Possible Action on Report from Technical Consultant



2026 Planning Budget Progress

Task #	Task	Contract Amount	Expended to Date	% Complete
1	Planning Area Description	\$ 32,306.00	\$ 30,318.70	94%
2A	Non-Municipal Water Demand Projections	\$ 57,806.00	\$ 57,206.02	99%
2B	Population and Municipal Water Demand Projections	\$ 80,330.00	\$ 79,679.21	99%
3	Water Supply Analyses	\$ 234,716.00	\$ 137,737.53	59%
4A	Identification of Water Needs	\$ 53,296.00	\$ 26,186.48	49%
4B	Identification of Infeasible Water Management Strategies	\$ 41,946.00	\$ 33,862.95	81%
4C	Prepare and Submit Technical Memorandum	\$ 61,012.00	\$ 41,217.26	68%
5A	Identification of Potentially Feasible Water Management Strategies and Water Management Strategy Projects	\$ 44,886.00	\$ 13,561.63	30%
5B	Evaluation and Recommendation of Water Management Strategies and Water Management Strategy Projects	\$ 824,994.00	\$ -	0%
5C	Water Conservation Recommendations	\$ 72,590.00	\$ -	0%
6	Impacts of Regional Water Plan	\$ 79,127.00	\$ -	0%
7	Drought Response, Activities & Recommendations	\$ 137,766.00	\$ 2,169.31	2%
8	Recommendations Regarding Unique Stream Segments and/or Reservoir Sites and Legislative & Regional Policy Issues	\$ 15,303.00	\$ 6,376.98	42%
9	Implementation and Comparison to the Previous Regional Water Plan	\$ 34,772.00	\$ -	0%
10	Public Participation and Plan Adoption	\$ 352,761.00	\$ 222,422.09	63%
	TOTAL	\$2,123,611.00	\$650,738.16	31%

Today's Discussion

- Chapter 5 subsection on Advanced Water Conservation
- Chapter 9 Outline
- Chapter 10 Outline

6.1

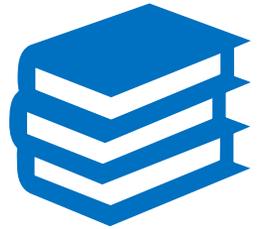
Regional Planning Updates

Water Conservation Measures (31 TAC §357.10(36))

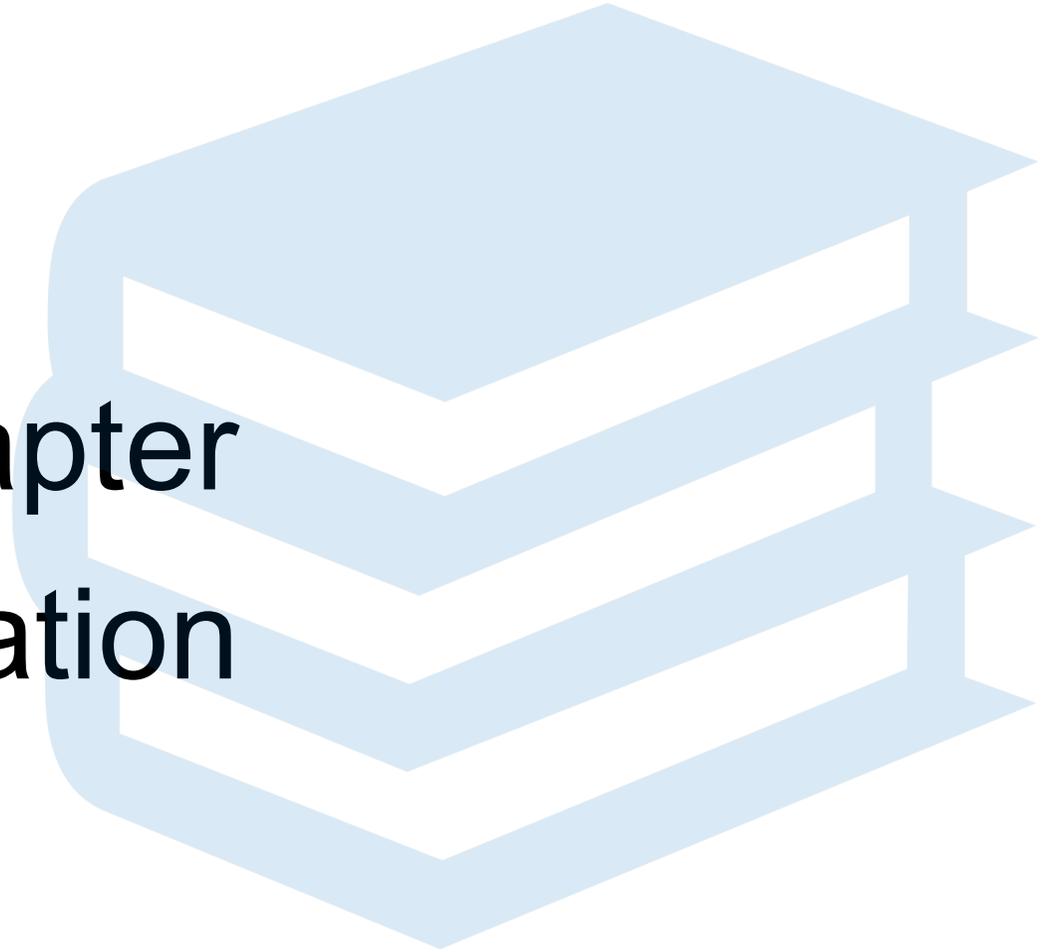
- Practices, techniques, programs, and technologies that will:
 - Protect water resources,
 - Reduce the consumption of water,
 - Reduce the loss or waste of water, or
 - Improve the efficiency in the use of water
- May be presented as Water Management Strategies, so that a water supply is made available for future or alternative uses.
- For planning purposes, Water Conservation Measures do not include reservoirs, aquifer storage and recovery, or other types of projects that develop new water supplies.

Water Conservation Subchapter

- The IPP and final adopted RWP must include a separate subchapter (per 31 TAC §357.34(i)(2) & (j))
 - Must consolidate and present conservation recommendations, including considerations of applicable Best Management Practices appropriate for the region.
- If applicable, must summarize the reason(s) that a conservation WMS(s) was not recommended for each WUG having an identified water need.
- 31 TAC §357.10(34) – Defines that water reuse is a unique strategy type separate from conservation. for planning purposes, water conservation measures do not include projects that develop new supplies, such as new reservoirs or aquifer storage and recovery projects.



Chapter 5 subchapter – Water Conservation



Suggested Approach for 2026 Plan – Municipal WUGs Advanced Conservation

Target efficiency: 140 gpcd (same as 2021 Plan)

- Reduce gpcd by 1% annually until 140 gpcd met, then hold constant
- Williamson County – 120 gpcd target by 2070
 - Georgetown conserve to 140 gpcd
- All WUGs with gpcd > 140

BMP recommendations (same as 2021 Plan)

- Use TWDB reports to identify BMPs typically used in Brazos G Area
 - Vary by utility size and rural/urban/suburban classification
- Use Municipal Water Conservation Planning Tool
 - Develop generalized conservation savings and costs for typical utility classifications
- Consider water loss audits for calculating replacement costs for WUGs reporting > 15% water losses

Benefits

- Consistent with previous planning cycles
- Improves information regarding conservation savings and costs
- Incorporates practices specific to Brazos G
- Continues to not “prescribe” a specific set of BMPs

Suggested Approach for 2026 Plan – Municipal WUGs Water Loss Reduction

Target efficiency: Water Loss < 15%

- Consider water loss audits for calculating replacement
- WUGs reporting > 15% water losses

BMP recommendations

- Meter replacement.
- Waterline repair and replacement.

Benefits

- Reduced water demand through management of water loss.

Suggested Approach for 2026 Plan – Irrigation

Target efficiency (same as 2021 Plan)

- Reduce irrigation use by 3% in 2030, 5% in 2040, and 7% in 2050-2080
- All WUGs with needs

BMP recommendations (same as 2021 Plan)

- Summarize TWDB's "Best Management Practices for Agricultural Water Users, Nov 2013"
 - Applicability, implementation, savings, cost-effectiveness
- Prepare updated list of common irrigation BMPs
- Develop savings and costs from TWDB document

Benefits

- Consistent with previous planning cycles
- Improves information regarding conservation savings and costs
- Continues to not "prescribe" a specific set of BMPs

Suggested Approach for 2026 Plan – Industrial (Mining, Manufacturing)

Target efficiency (same as 2021 Plan)

- Reduce industrial use by 3% in 2030, 5% in 2040, and 7% in 2050-2080
- All WUGs with needs

BMP recommendations (same as 2021 Plan)

- Summarize TWDB's "Best Management Practices for Industrial Water Users, Feb 2013"
 - Applicability, implementation, savings, cost-effectiveness
- Prepare updated list of common industrial BMPs
- Develop savings only (costs will vary substantially between industrial sites)

Benefits

- Consistent with previous planning cycles
- Improves information regarding conservation savings and costs
- Continues to not "prescribe" a specific set of BMPs

Suggested Approach for 2026 Plan – Steam Electric

Same approach as 2026 Plan:

No conservation recommendations suggested due to the widely differing water use among the different facilities.

Suggested Approach for 2026 Plan – Livestock

Same approach as 2026 Plan:

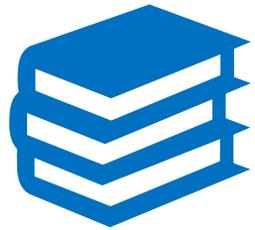
No conservation recommendations suggested.

Municipal WUGs: Calculated Conservation Savings

- 159 WUGs in Brazos G with GPCD above 140.
 - Potential savings with advanced conservation approximately 29,800 in 2030 up to 189,900 by 2080.
- 44 WUGs with reported water loss greater than 15%.
 - Potential savings with water loss reduction approximately 6,600 ac-ft in 2030 up to 8,500 ac-ft by 2080.

Non-Municipal WUGs: Calculated Conservation Savings

- 18 counties in Brazos G with reported irrigation needs during the 2030-2080 planning period.
 - Potential savings with voluntary conservation approximately 6,500 ac-ft in 2030 up to 15,200 ac-ft by 2080.
- 14 counties in Brazos G with reported manufacturing needs during the 2030-2080 planning period.
 - Potential savings with voluntary conservation approximately 300 ac-ft in 2030 up to 1,000 ac-ft by 2080.
- 14 counties in Brazos G with reported mining needs during the 2030-2080 planning period.
 - Potential savings with voluntary conservation approximately 600 ac-ft in 2030 up to 1,600 ac-ft by 2080.



Chapter 9 – Implementation and Comparison to Previous Water Plan

Chapter 9: Implementation and Comparison to Previous Regional Water Plan - Outline

1. Implementation of Previous Regional Water Plan
 - a) Survey Results (as of time of IPP)
2. RWPA's progress in achieving economies of scale
3. Comparison to Previous Regional Water Plan

Chapter 9 Implementation Requirements

RWPG must report

- Level of implementation and
- Identified, reported implementation impediments to the development of previously recommended WMSs and WMSPs that have affected progress in meeting water needs.

Content will be largely supported by data summaries based on information provided by RWPGs through DB22 during the previous planning cycle.

Information must be collected through spreadsheet tool to be provided by TWDB.

- TWDB provided survey spreadsheet on 8/9/2024;
- 380 WMS or WMS Projects.

Implementation Survey Process

RWPGs should verify if recommended WMSs and WMSPs were formerly included in the 2021 RWPs.

RWPG members are strongly encouraged to directly participate in eliciting and gathering responses regarding implementation of projects that are associated with the category of entities that they represent on the RWPG.

Additional methods that RWPGs may consider using to identify projects that may potentially have been implemented may include

1. Tracking changes since the last plan including:
 - a. changes in existing WUG or WWP supplies (e.g., water provider reporting a previously recommended WMS as an existing supply in the 2026 RWP); or
 - b. identifying WMSs that are not recommended in latest plan, possibly due to implementation;
2. Using TWDB funding records to identify projects (SWIFT, WIF, State Participation, DWSRF, EDAP etc.); and,
3. Using conservation implementation reports submitted to the TWDB (i.e., conservation volumes are higher from previous report).

Survey Questions

1. Has the sponsor taken affirmative vote or actions? (TWC 16.053(h)(10))
2. What is the status of the WMS project or WMS recommended in the 2022 SWP?
3. If project has not been started or no longer being pursued, please tell us why.
4. Please select one or more project impediments. If an impediment is not listed, provide information in the “Other” text field.
5. What funding types are being used for the project.

RWPA's progress in achieving economies of scale

RWPs must include an assessment of the region's efforts to encourage cooperation between WUGs for the purpose of achieving economies of scale and incentivizing WMSs that benefit the entire region.

The assessment must include:

- The number of recommended WMSs in the 2021 RWP and the number of recommended WMSs in the 2026 RWP that serve more than one WUG,
- The number of recommended WMSs in the 2021 RWP that serve more than one WUG and have been implemented since the 2021 RWP adoption, and
- A description of the efforts the RWPG has made to encourage WMSs and WMSPs to serve more than one WUG and benefit the entire region.

The TWDB will provide supporting data to assist in this effort.

Comparison to Previous Regional Water Plan

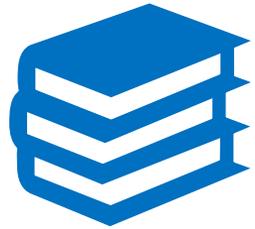
Must include brief summary showing how the 2026 adopted RWP differs from the previous 2021 RWP.

Comparisons must include summary tables and other graphics, as appropriate, that concisely convey the changes between plans.

Comparison should also include a brief explanation of the underlying reasons for the changes that occurred regarding each of the items listed below.

The 2026 RWP must provide comparisons to the 2021 RWP regarding

- Water demand projections;
- Drought(s) of record and the hydrologic and modeling assumption(s) on which the 2026 plan is based;
- Source water availabilities;
- Existing water supplies of WUGs and WWPs;
- Identified water needs for WUGs and WWPs;
- Recommended and alternative WMSs and WMSPs; and
- Any other aspects of the 2026 plan that the RWPG chooses to compare.



Chapter 10 – Adoption of Plan and Public Participation

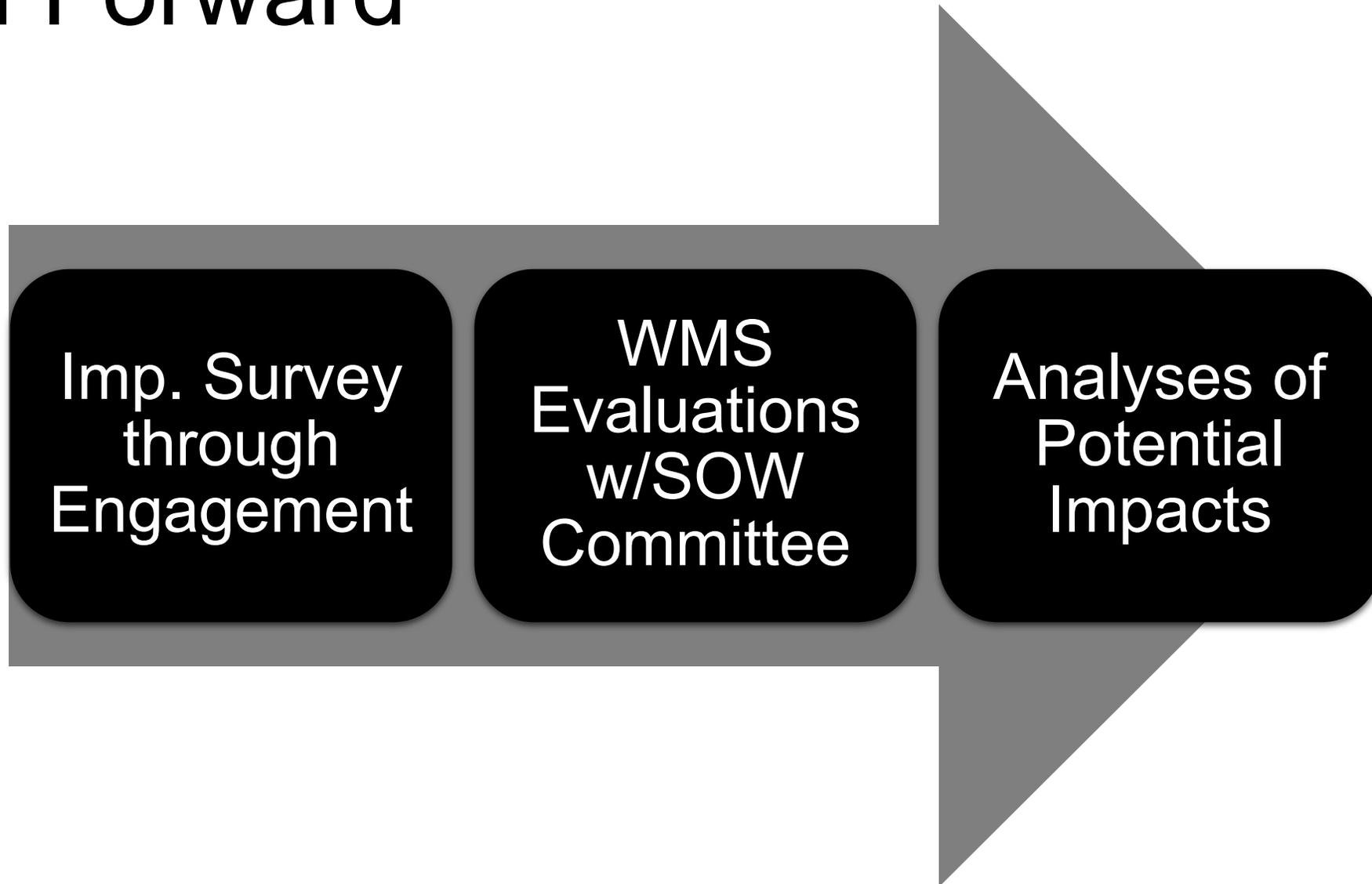
Chapter 10: Adoption of Plan and Public Participation - Outline

1. Public Participation
2. Brazos G RWPG Website
3. Coordination with WUGs and WWPs
4. Coordination with Other Planning Regions
5. Brazos G RWPG Meetings
6. Public Hearing and RWPG Responses to Public and Agency Comments on IPP
7. TWDB Comments on IPP and RWPG Responses
8. Plan Adoption

Suggested Action:

- No formal action requested
- Continuing to seek input on recommendations and language.
- Language and analyses may be revised by RWPG action at a later date;
- Pending consideration and approval of the Initially Prepared Plan and Final 2026 Brazos G Water Plan

Path Forward



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7. Report, discussion, and possible action from the Water Policy Committee

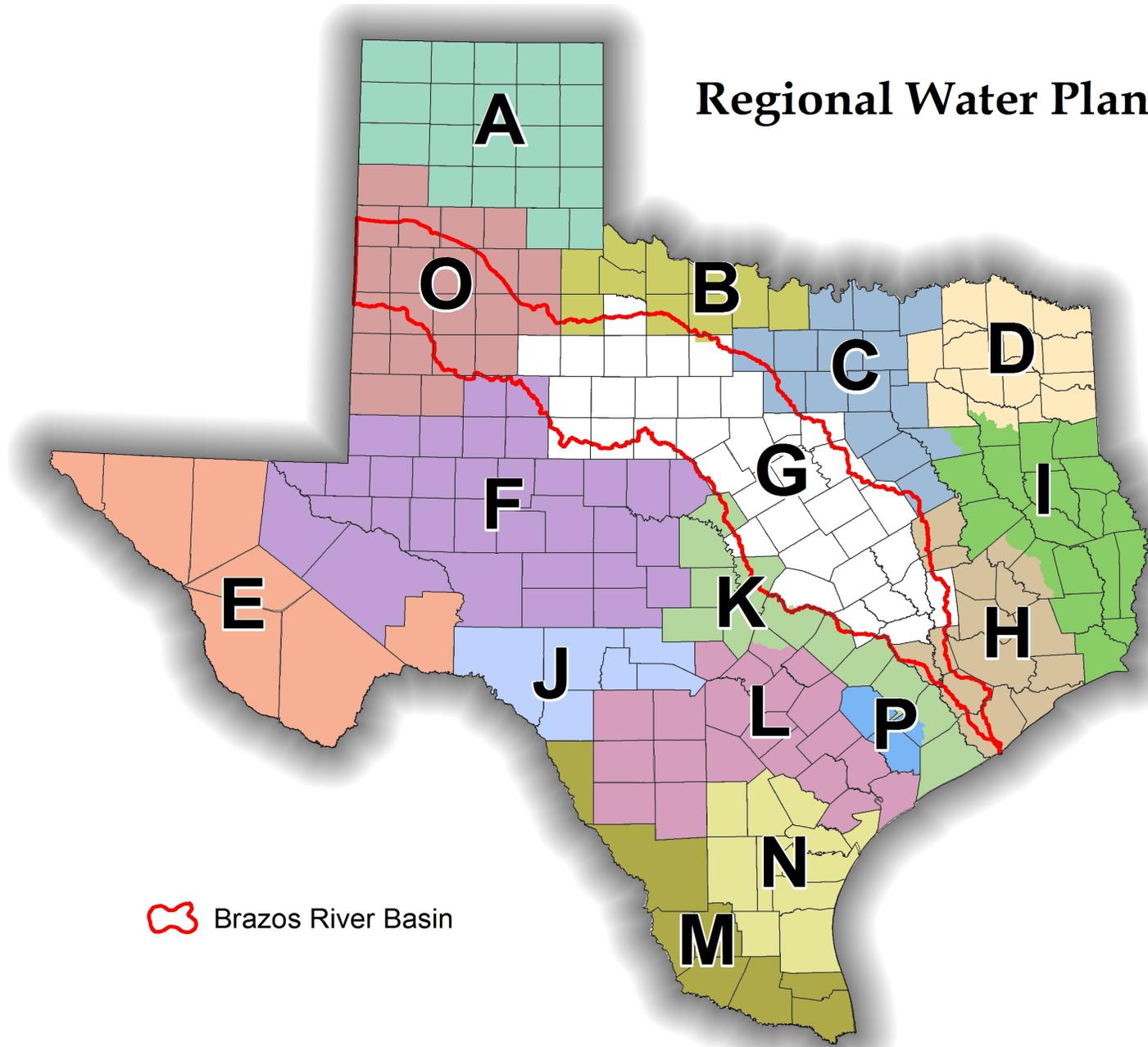


8. Report, discussion, and possible action from the Scope of Work Committee



9. Report and possible discussion on updates from other regional water planning groups (Regions B, C, F, H, K, L & O)

Regional Water Planning Groups



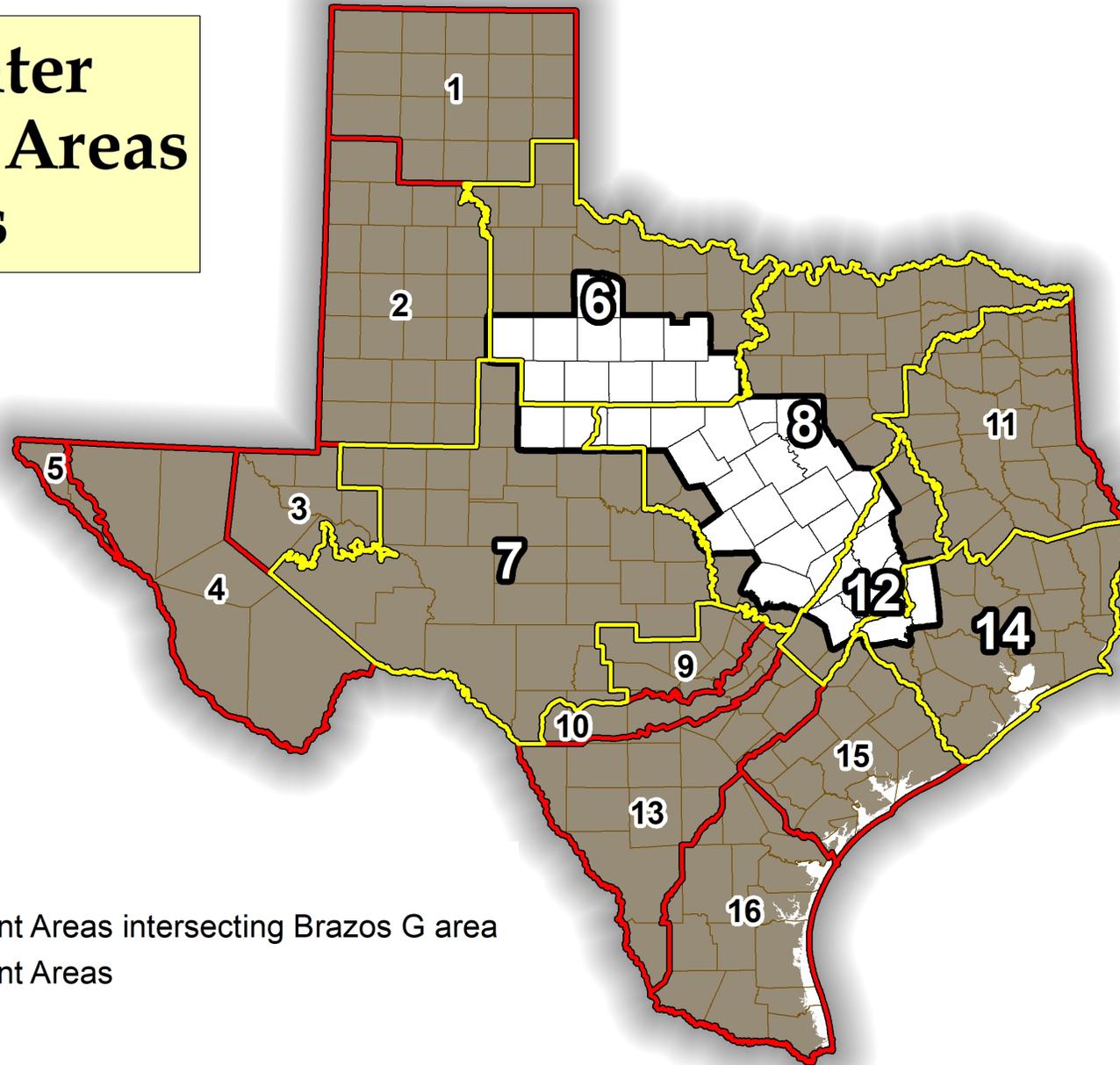
- A** Panhandle
- B** Region B
- C** Region C
- D** North East Texas
- E** Far West Texas
- F** Region F
- G** Brazos G
- H** Region H
- I** East Texas
- J** Plateau
- K** Lower Colorado
- L** South Central Texas
- M** Rio Grande
- N** Coastal Bend
- O** Llano Estacado
- P** Lavaca

 Brazos River Basin



**10. Report and possible discussion on Groundwater Management Area
(GMA) activities**

Groundwater Management Areas of Texas



GMA's in Brazos G:
6, 7, 8, 12, 14

-  Brazos G Area
-  Groundwater Management Areas intersecting Brazos G area
-  Groundwater Management Areas

11. Report and possible discussion on agency communication and information. (TPWD, TDA, TSSWCB, BBASC, & Interregional Planning Council)





12. Discussion and possible action on report by Brazos G Administrator

12.1. Administrator Report

12.2. Finance Report – Summary of Administrative Tasks and Expenses



Sub-regional Public Meetings – January 2025

Tuesday, January 14, 2025, 10:00 AM - College Station, TX

Wednesday, January 15, 2025, 10:00 AM - Waco, TX

Thursday, January 16, 2025, 10:00 AM - Abilene, TX



13. Discussion and possible action on report from Brazos G Chair



**14. Consider Agenda Items and Date for the next Brazos G
RWPG public meeting**



15. Adjourn