

REGION



Lower Brazos
Regional Flood Planning Group

New Member Orientation

Thursday, July 17, 2025

10:30 AM

Brazos River Authority, Lt. Gen. Phillip J. Ford Central Office

4600 Cobbs Dr., Waco, TX 76710



1. Call Meeting to Order

2. Public Input - comments on agenda items or flood planning issues (limited to 3 minutes each)

REGION



Lower Brazos
Regional Flood Planning Group

3. Presentation on New Member Orientation and the Regional Flood Planning Process

REGION



Lower Brazos
Regional Flood Planning Group

Orientation Overview

1. LBRFPG Overview
2. Sponsor's Role
3. TWDB
4. Technical Consultant Work
 - a. Team and Roles
 - b. Overview of the Lower Brazos Region
 - c. 2023 Flood Plan
 - d. FMXs
 - e. 2028 Regional Flood Plan
 - f. Flood Infrastructure Fund (FIF)



Planning Group Structure and Bylaws

1. Group organized according to State law and our own Bylaws.
2. Chair, Vice Chair, and Secretary and Administrative Committee
3. Liaisons and Non-Voting Members
4. Review Bylaws posted on our website.
 - a. Attendance and Alternate sections
 - b. Code of Conduct and Grounds for Removal
 - c. Start thinking about possible updates.



Meeting Preparation and Attendance Expectations

1. Review the Agenda and the Packet before the meeting
2. Stay engaged throughout the meeting. Raise your hand for questions.
3. Block your calendar for all future meeting dates.
4. Your attendance and active participation are keys to our Region's success.



Sponsor's Role – Brazos River Authority

- Meeting Coordination - Invites, Notices, and Hosting
- Alternate Coordination
- Member Travel Reimbursement
- Contracts with TWDB and Halff – Administrative role



Meeting Coordination

- Public Notices for meetings - Texas Administrative Code §361.21
 - Minimum 7 day posting of meeting notice
 - Minimum 3 day posting of meeting materials
- Email notice to members and email distribution lists
- BRA Social Media – Facebook, LinkedIn, Nextdoor
- LBRFPG website www.lowerbrazosflood.org
- TWDB website - <https://www.twdb.texas.gov/flood/planning/regions/schedule.asp>
- Secretary of State website – Open Meetings https://texas-sos.appianportalsgov.com/rules-and-meetings?interface=SEARCH_OPEN_MEETINGS
- McLennan County Clerk (posting on BRA front door)



Designated Alternate Coordination

- Alternate's Contact Information
- Record of Alternate's OMA Training Certificate
- Email to Chair and cc: Sponsor to notify Alternate will attend in your place



Lower Brazos

Regional Flood Planning Group

Mileage Reimbursement

- Voting Members
- State Rate currently 0.70/mile
- Statement that you receive reimbursement from sole source. (Ex. If your employer reimburses you for mileage, you are not eligible for Lower Brazos RFPG funds).

REQUEST FOR MILEAGE REIMBURSEMENT

I _____, hereby request reimbursement of mileage as follows:

MEETING DATE:	
MEETING TYPE: (i.e. RFPG, etc.)	
LOCATION OF MEETING:	
TRAVEL FROM:	
MILEAGE:	
REIMBURSEMENT (.70/mile)*	

*Based on state mileage reimbursement rate as of January 1, 2025.

I certify that the above statement for mileage reimbursement is true and correct and that I cannot be reimbursed for travel expenses by another entity, political subdivision, etc.

Signature

Date

Who Represents You?

Voting Member Designations:

- Agricultural Interests
- Counties
- Electrical Generating Utilities*
- Environmental Interests
- Flood Districts
- Industries
- Large Municipalities
- Small Municipalities
- Public
- River Authorities
- Small Business
- Water Districts
- Water Utilities

(* - Current Open Position)

Non-Voting Member Designations:

- Federal Emergency Management Agency (F)
- US Army Corps of Engineers (F)
- Brazoria County
- Fort Bend Subsidence District
- Region Liaison (R 6, 7, 10)
- General Land Office (SA)
- Texas Water Development Board (Flood Planner) (SA)
- Texas Commission on Environmental Quality (SA)
- Texas Department of Agriculture (SA)
- Texas Division of Emergency Management (SA)
- Texas Parks and Wildlife Department (SA)
- Texas State Soil and Water Conservation Board (SA)

(SA) – State Agency

(F) – Federal Agency

Who Represents You?

Voting Member Designations:

- Agricultural Interests
- Counties
- Electrical Generating Utilities*
- Environmental Interests
- Flood Districts
- Industries
- Large Municipalities
- Small Municipalities
- Public
- River Authorities
- Small Business
- Water Districts
- Water Utilities

(* - Current Open Position)

Non-Voting Member Designations:

- Federal Emergency Management Agency (F)
- US Army Corps of Engineers (F)
- Brazoria County
- Fort Bend Subsidence District
- Region Liaison (R 6, 7, 10)
- General Land Office (SA)
- **Texas Water Development Board (Flood Planner) (SA)**
- Texas Commission on Environmental Quality (SA)
- Texas Department of Agriculture (SA)
- Texas Division of Emergency Management (SA)
- Texas Parks and Wildlife Department (SA)
- Texas State Soil and Water Conservation Board (SA)

(SA) – State Agency

(F) – Federal Agency

Meet the TWDB RFP Team Members



Reem Zoun

Assistant Deputy Executive
Administrator of Planning



Tressa Olsen

Assistant Director, Flood Planning
(Interim) Region 8, 12, 13



**Kevin Wessels,
Manager**



**Cynthia Nolasco,
State Flood Planner
Regions 1, 2, 11**



**Katie Koslan, CFM, CTCM
Regions 3, 4, 5**



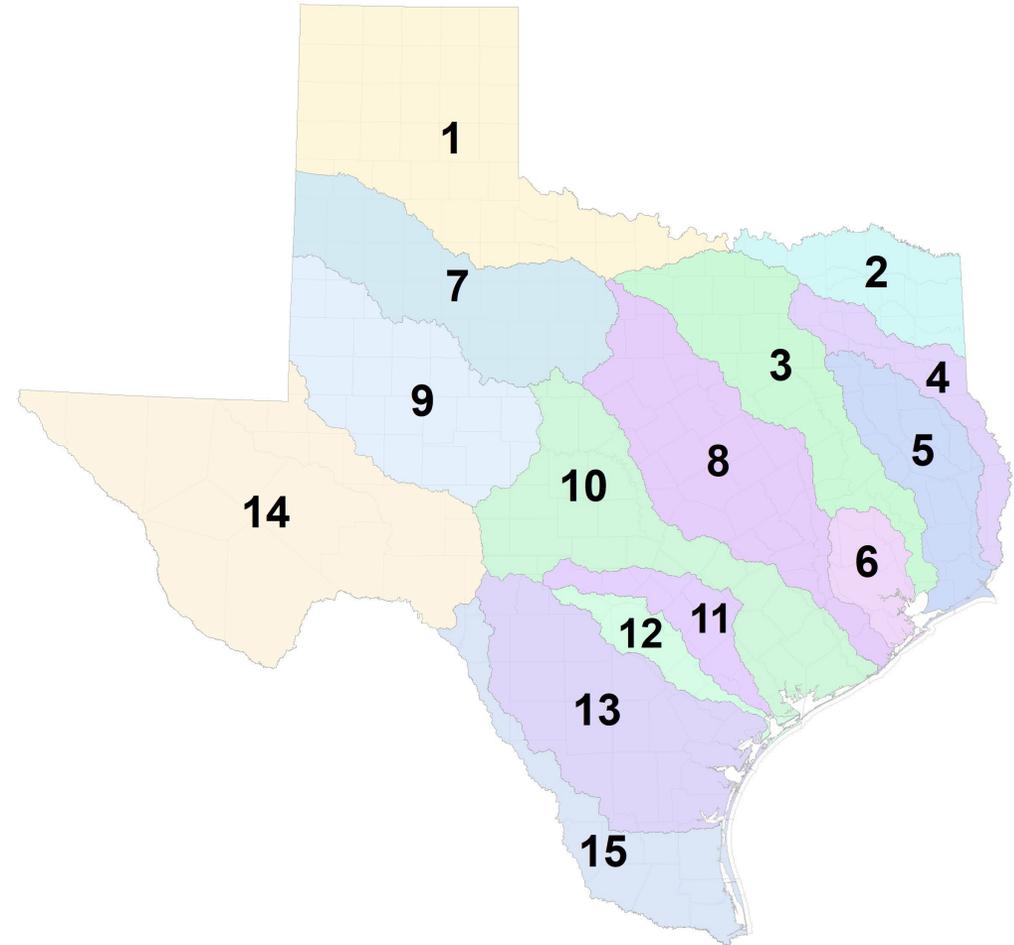
**Sarah Magana
Regions 7, 9, 10**



**Nicholas Collins
Regions 6, 14, 15**

TWDB Role In Regional Flood Planning

- Office of Planning
- Manage RFPG Process
- Allocate Funding
- FIF Eligibility
- State Flood Plan



TWDB Regional Flood Planner

- Attend RFPG Meetings (Non-Voting)
- Answer Administrative and Technical Questions
- Process Payment Requests
- Meets Regularly with Sponsor, Chair, and Consultants

What Is In The Future?

Future:

- 2029 State Flood Plan

Why is that important?

- Regional Flood Plan inclusion
- FMX Ranking
- Flood Infrastructure Funding (FIF) Allocation
- State Legislature



Agency Links

Texas Water Development Board Home Page

- www.twdb.texas.gov

Regional Flood Planning

- www.twdb.texas.gov/flood/planning/regions/index.asp

State Flood Plan

- <https://www.twdb.texas.gov/flood/planning/sfp/index.asp>

Questions?

Tressa Olsen

Assistant Director, Flood Planning

Tressa.Olsen@twdb.texas.gov

New Member Orientation

Technical Consultant Overview

July 17, 2025



Agenda



Technical Consultant Team and Role



Lower Brazos Region Overview



Key Terms



2023 Regional Flood Plan



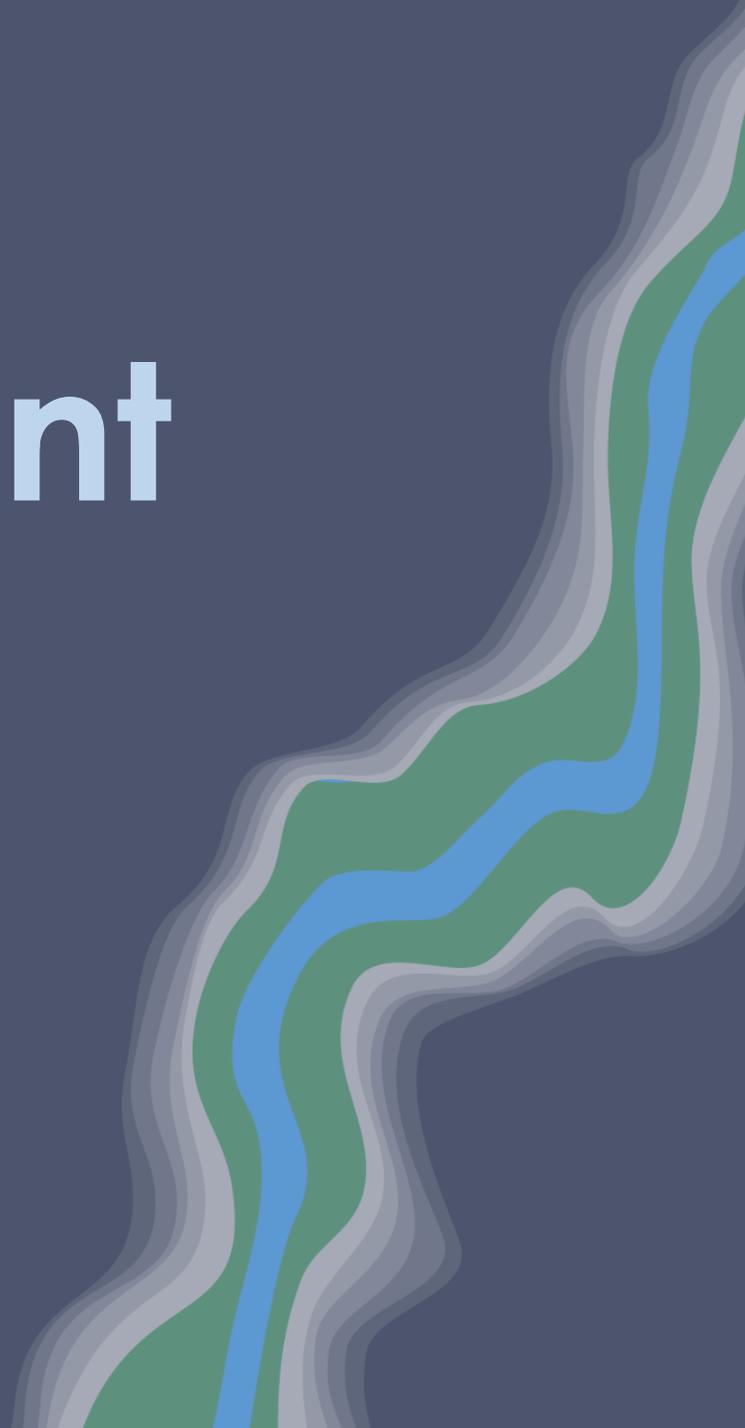
2028 Regional Flood Plan



Flood Infrastructure Fund

Technical Consultant Overview

Scott Rushing, PE, CFM (Halff)



Technical Consultant Team



CONSULTANT TEAM



Ryan Londeen, PE, CFM (Halff)
Project Manager



Scott Rushing, PE, CFM (Halff)
Deputy Project Manager



Jenna Blohm, EIT, CFM (Halff)
Assistant Project Manager



Who Will You Hear From?



Jenna Blohm, EIT, CFM (Halff)
Task Lead: 1



Rachel Herr, PE, CFM (Halff)
Task Lead: 3C, 11



Scott Rushing, PE, CFM (Halff)
Task Lead: 2A



Ryan Londeen, PE, CFM (Halff)
Task Lead: 4A, 4B, 5A, 5B, 7, 8



Nick Boardman, PE, CFM (Freese & Nichols)
Task Lead: 2B, 3B, 6A, 6B, 9



Connor Stokes (Holloway)
Task Lead: 10

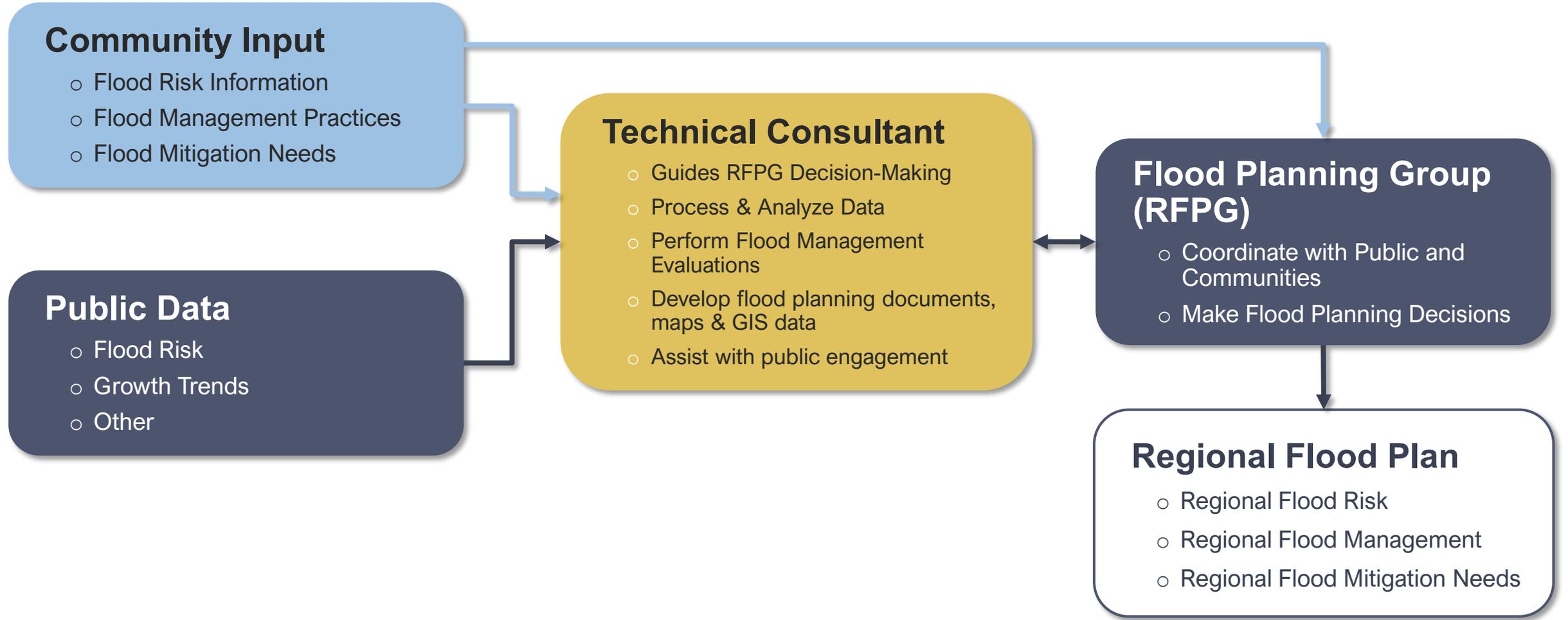


Evan Adrian, PE, CFM (Torres)
Task Lead: 3A



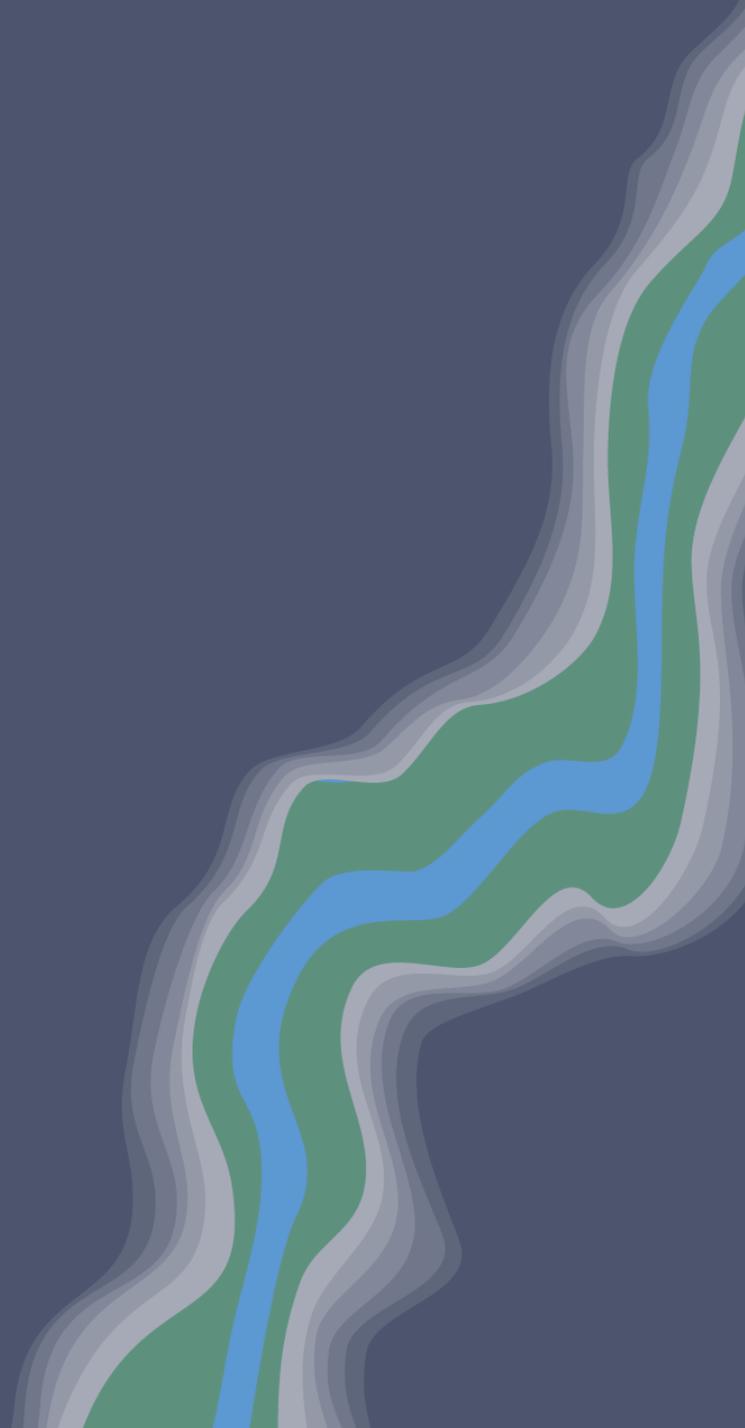
Susan Roth, PE, PMP (Roth)
Team Advisor

Responsibility of Technical Consultant



Lower Brazos Regional Overview

Scott Rushing, PE, CFM (Halff)



State Overview

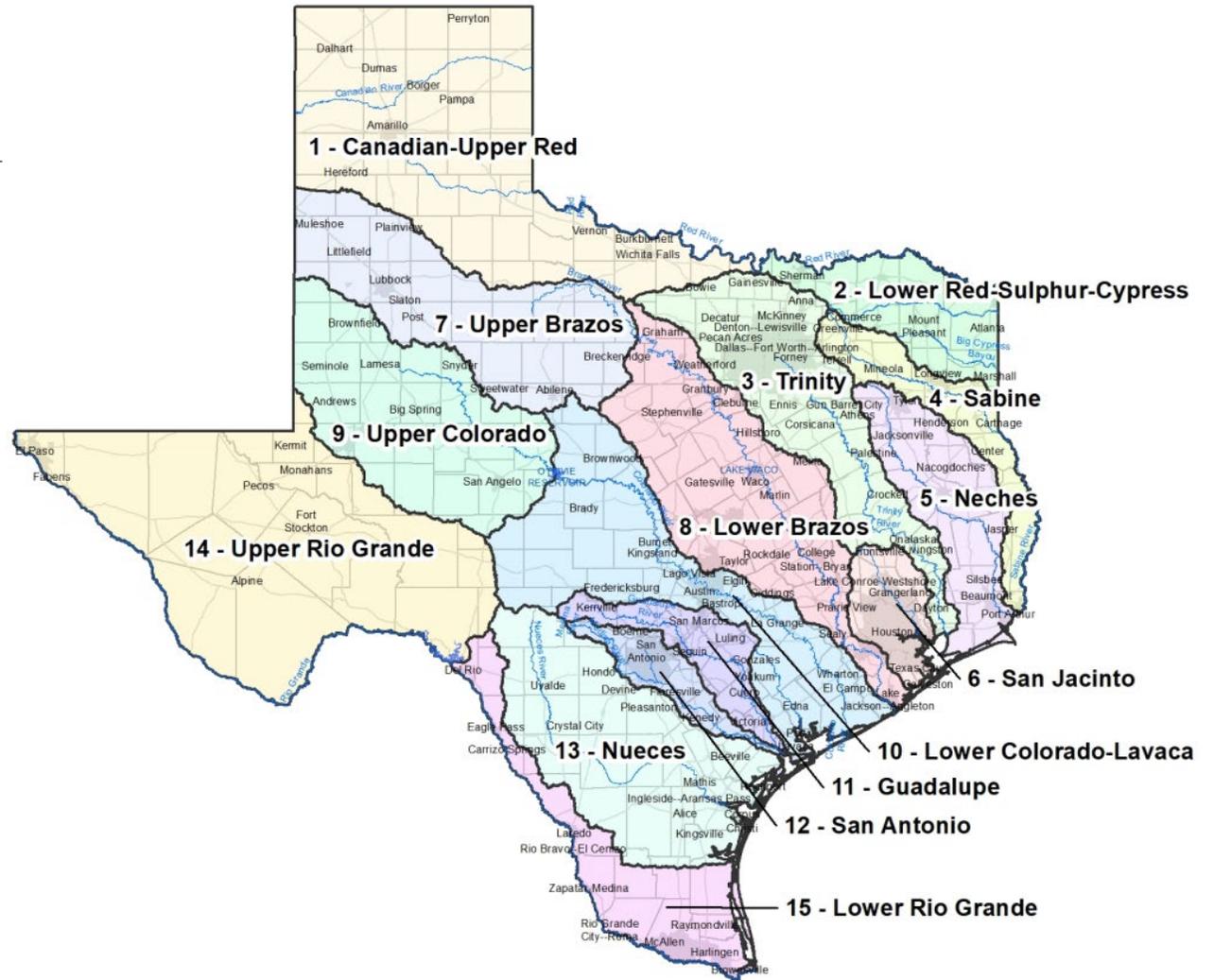
State Broken into 15 Regions

- Each has their own RFPG, Sponsor, and Technical Consultant Team
- Separated based on major watersheds

Our Region – Region 8 Lower Brazos

Neighboring Regions:

- Canadian-Upper Red (Region 1)
- Trinity (Region 3)
- San Jacinto (Region 6)
- Upper Brazos (Region 7)
- Lower Colorado-Lavaca (Region 10)



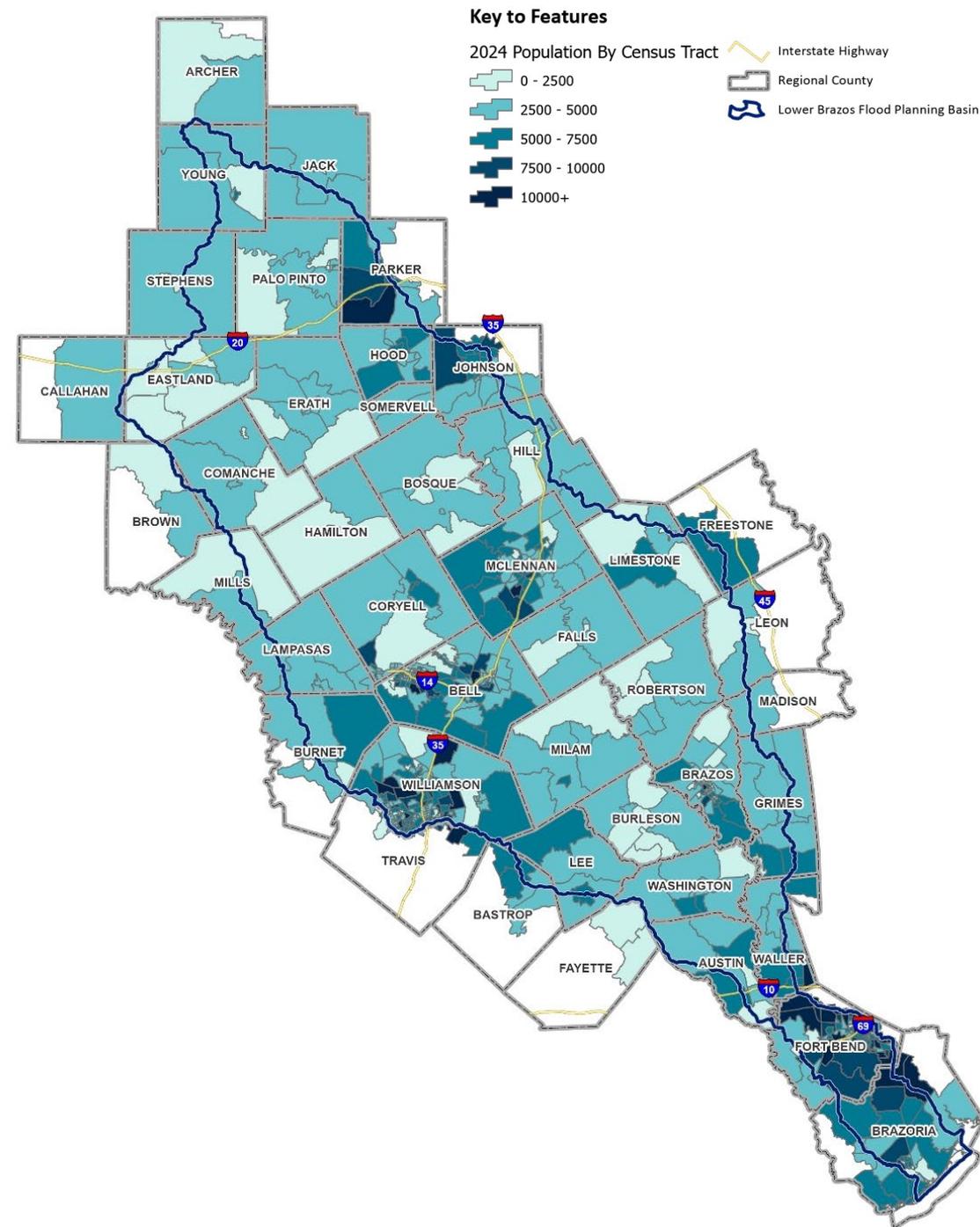
Region 8 Overview

Region 8 Boundary:

- Spans from north-west of Fort Worth to the Gulf
- 43 counties, 160 municipalities, and 192 special districts with flood related authority
- Area ~ 23,000 square miles of land
- Population (2023) ~ 3,035,000

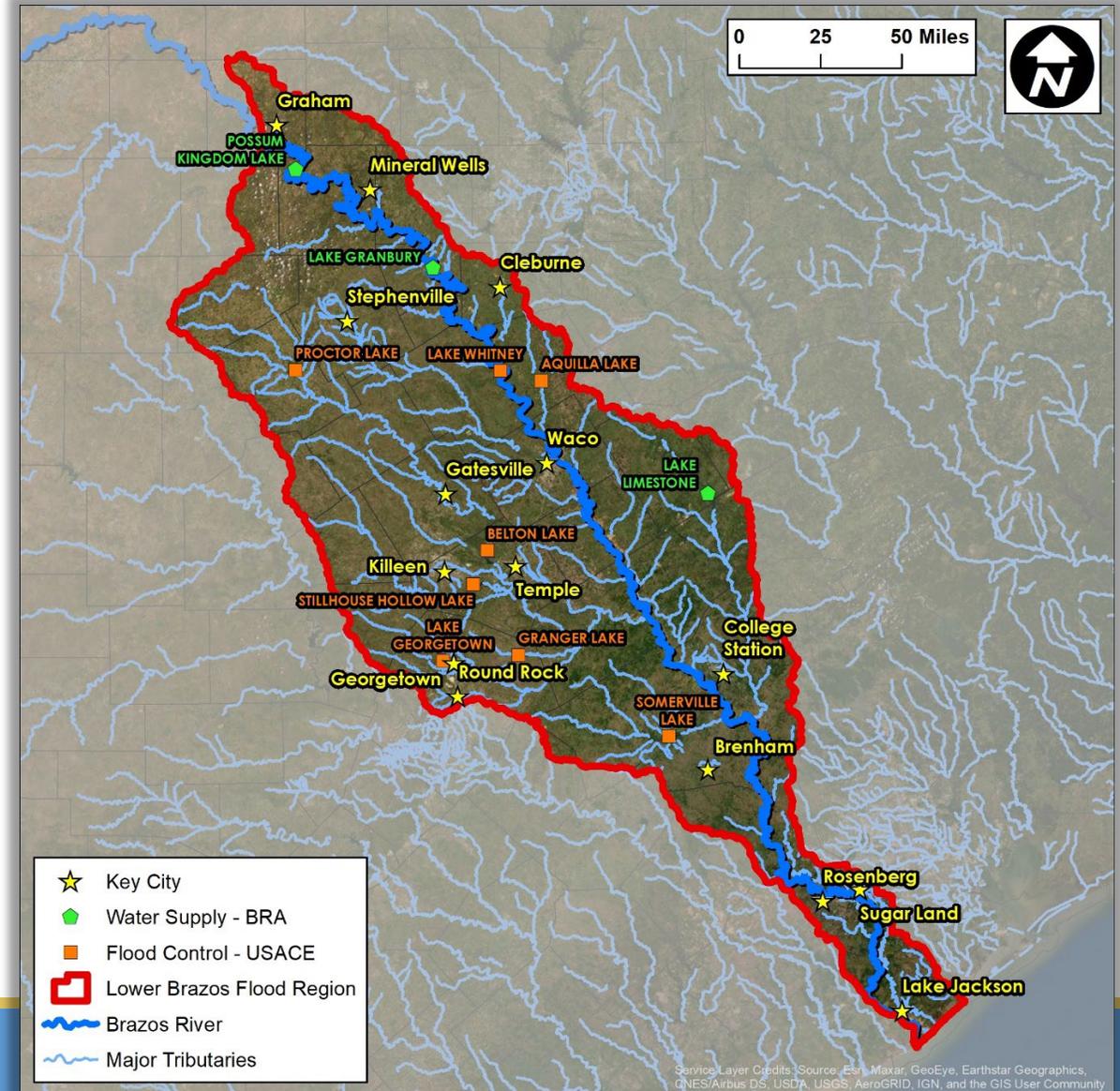
Key Cities

- Bryan
- Cedar Park
- Cleburne
- College Station
- Copperas Cove
- Georgetown
- Harker Heights
- Killeen
- Lake Jackson
- Missouri City
- Rosenberg
- Round Rock
- Sugar Land
- Temple
- Waco
- Weatherford



Drainage Characteristics

- Total Stream Miles ~ 20,000
- Major Streams:
 - Brazos River
 - North Bosque River
 - Leon River
 - San Gabriel River
 - Lampasas River
 - Little River
 - Navasota River
 - Yegua River
 - Oyster Creek
- Reservoirs (3 Water Supply + 6 Flood Control)
- Diverse drainage characteristics



Sub-Region Characteristics

Zone 4 – Middle Brazos

- Mostly rural with rolling hills
- Small, defined conveyance systems with fast watershed response

Zone 3 – Brazos Valley

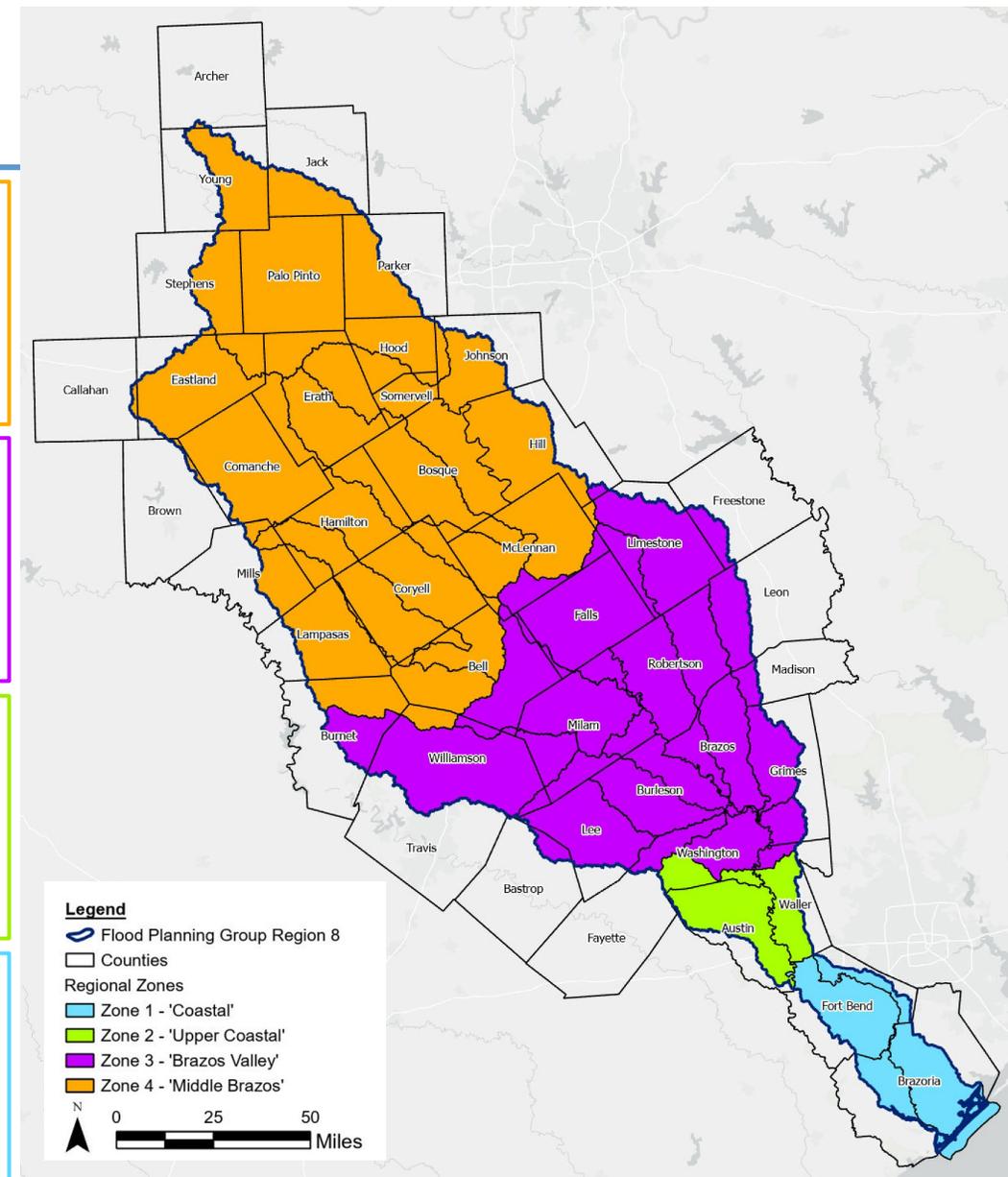
- High population centers and rolling hills
- Defined conveyance systems with fast watershed response

Zone 2 – Upper Coastal

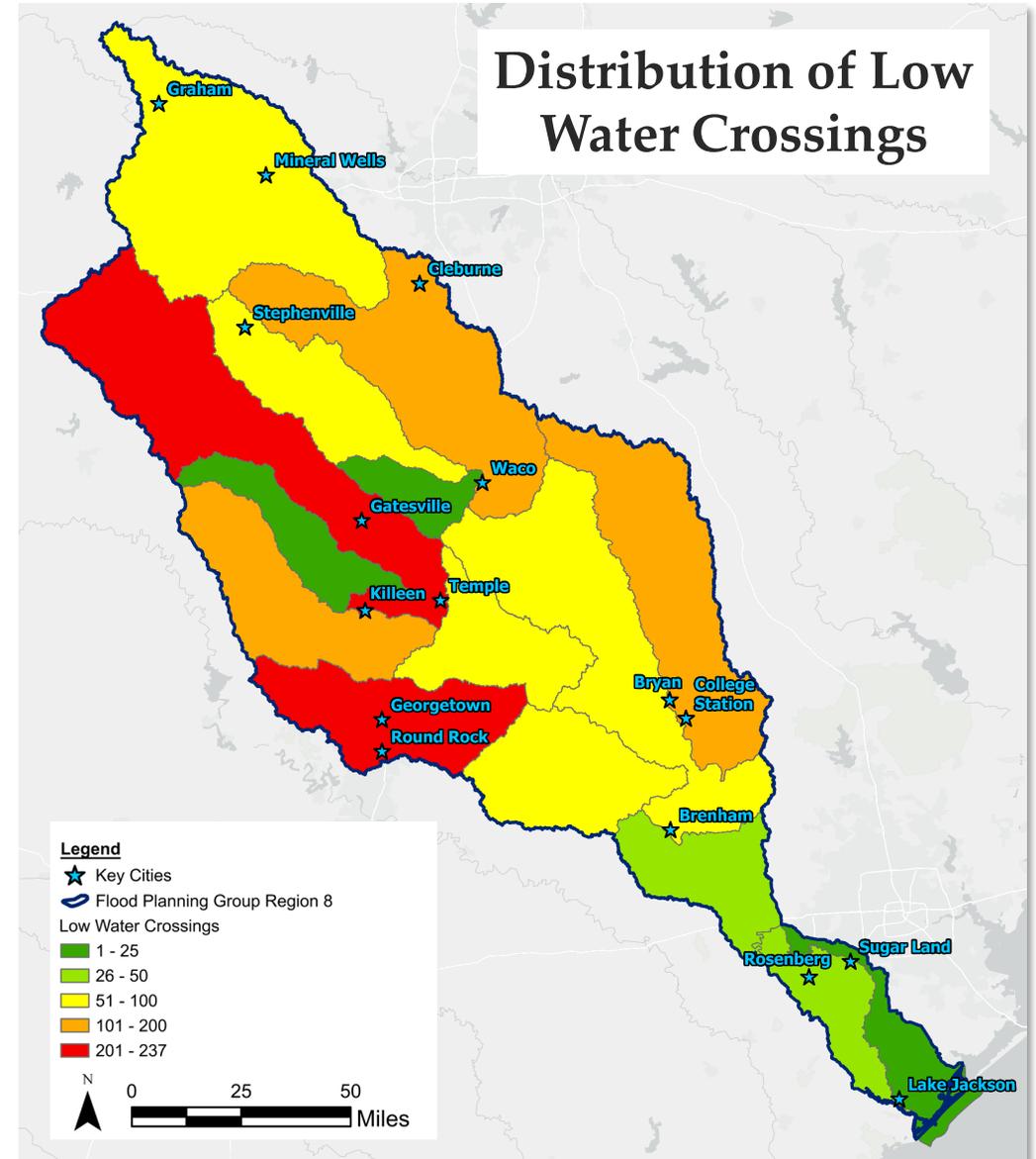
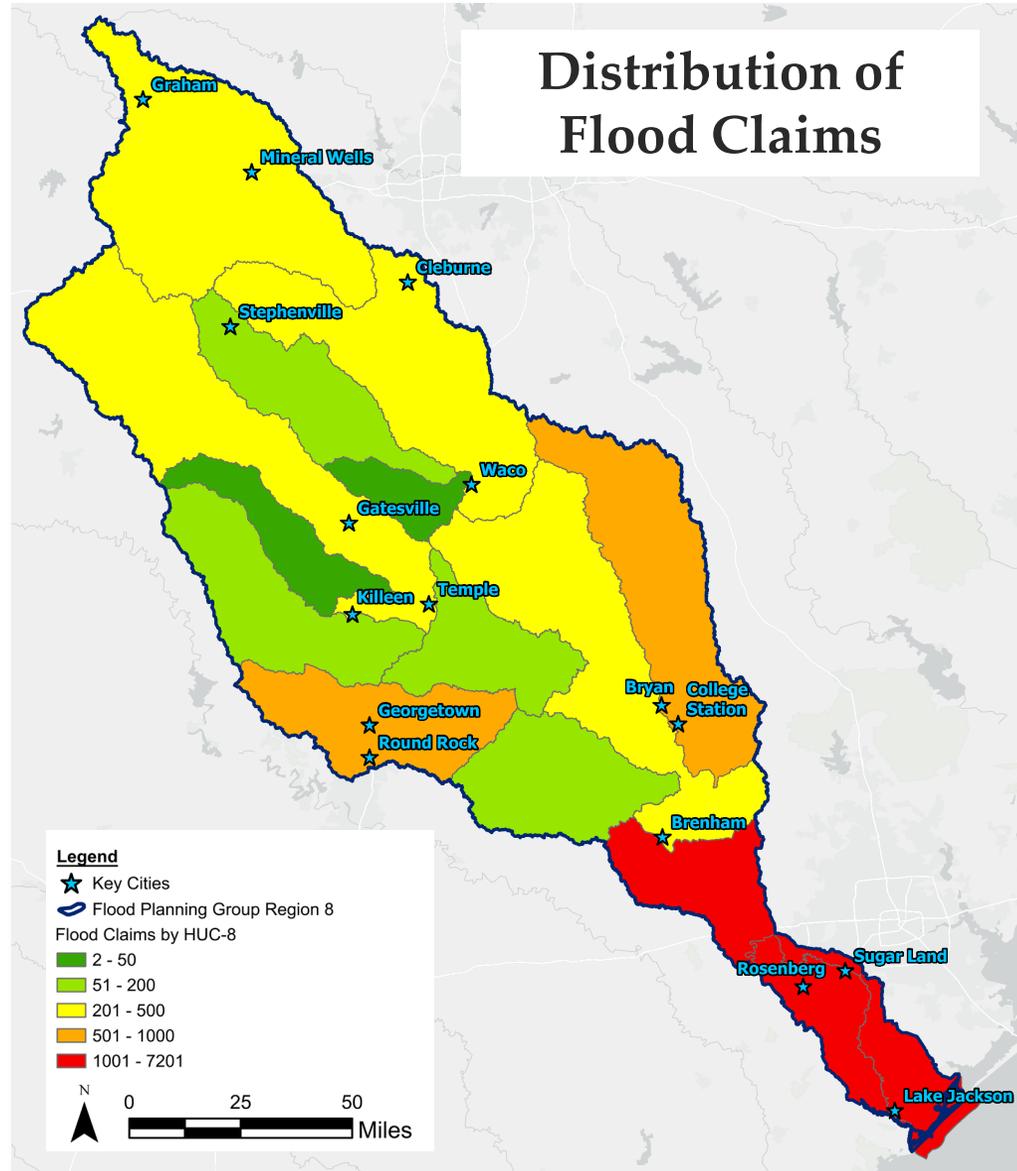
- Flat and rural
- Defined tributaries with widespread flood risk from primary streams

Zone 1 - Coastal

- Flat and highly populated
- Widespread flood risk from primary streams and tributaries

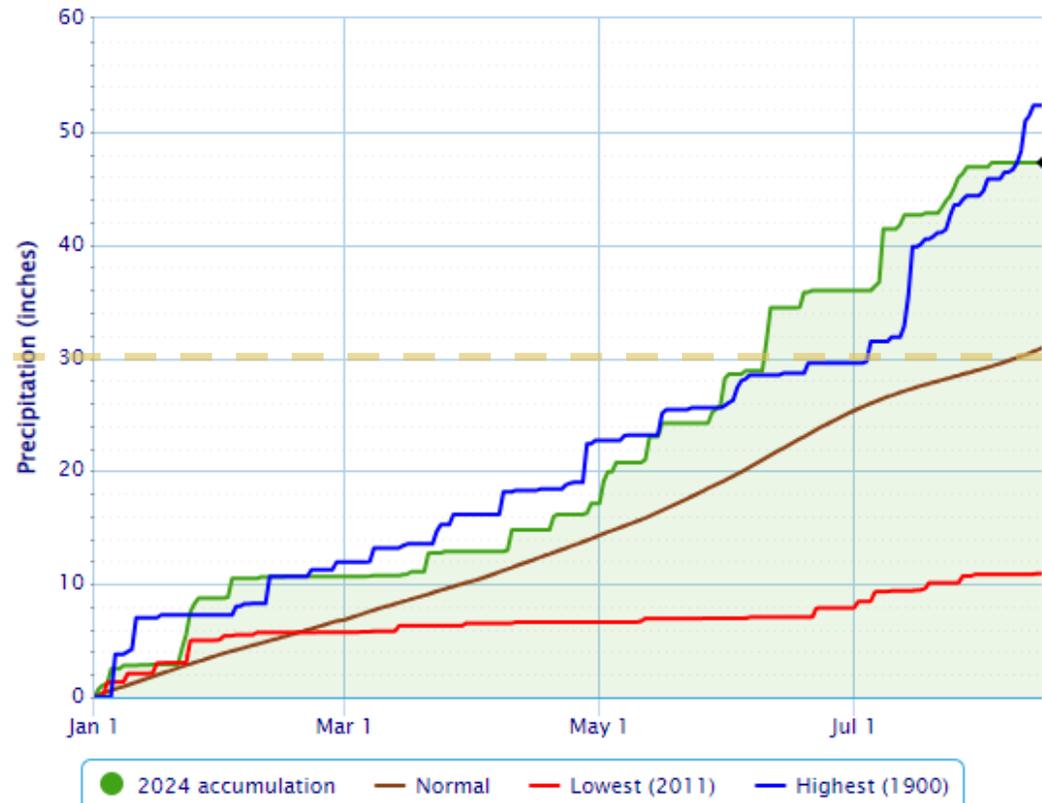


Sub-Region Characteristics



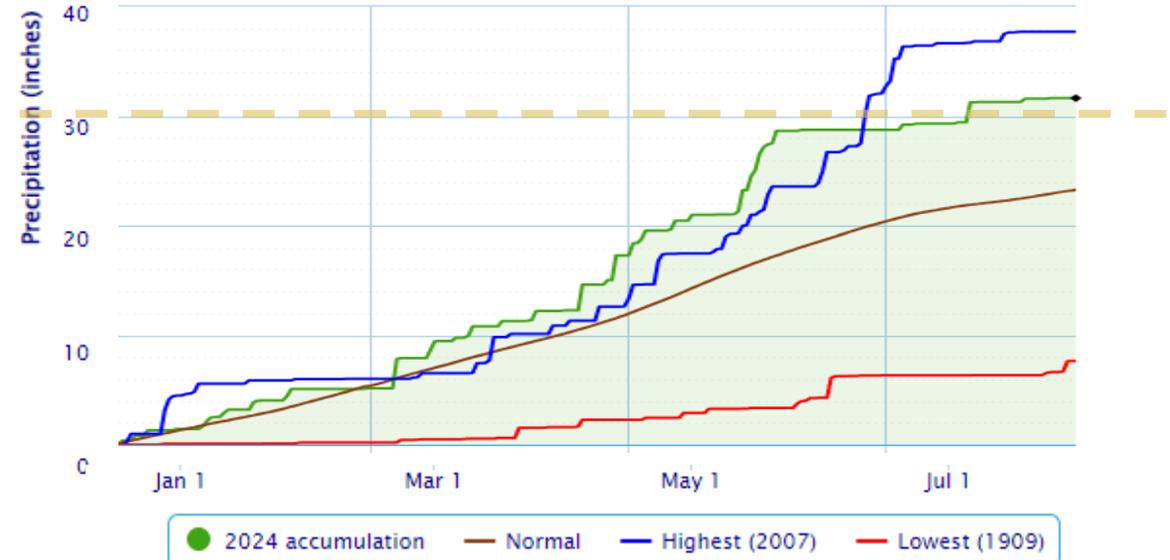
Sub-Region Weather

Lower Basin (Houston)



Powered by ACIS

Upper Basin (Dallas / Fort Worth)

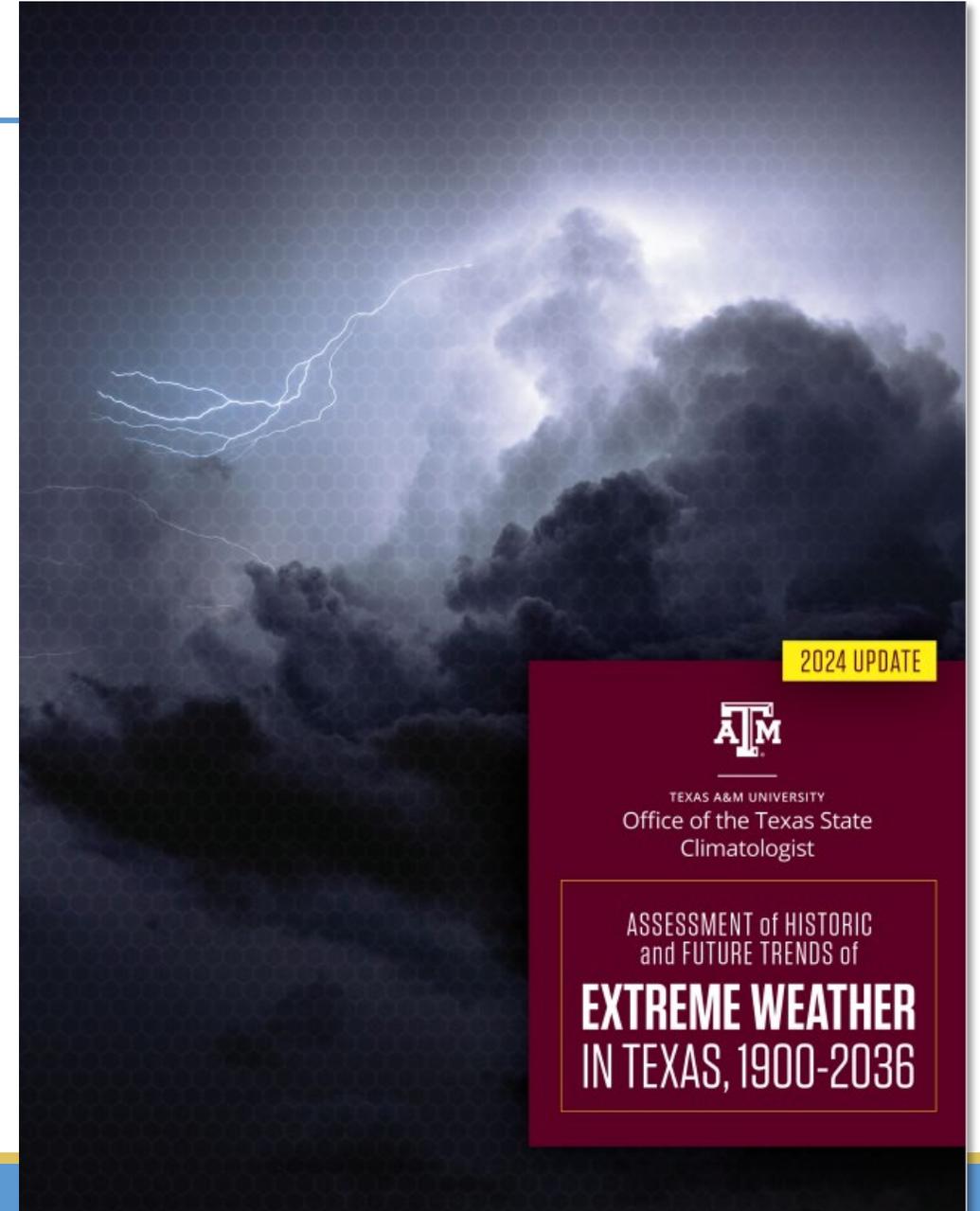


Powered by ACIS

2024 Climate Report

texas2036.org

- **Extreme rainfall** intensity is expected to **increase by 10%** by 2036, compared to 2001-2020 (20% compared to 1950-1999). Translates to an increase in frequency of 50% (100% compared to 1950-1999)
- Urban flooding throughout the state is expected to correlatively increase with precipitation
- Increases in riverine flooding is not seen nor anticipated due to mitigation efforts
- Hurricane storm surges will tend to be more severe due to sea level rise and increase in hurricane strength

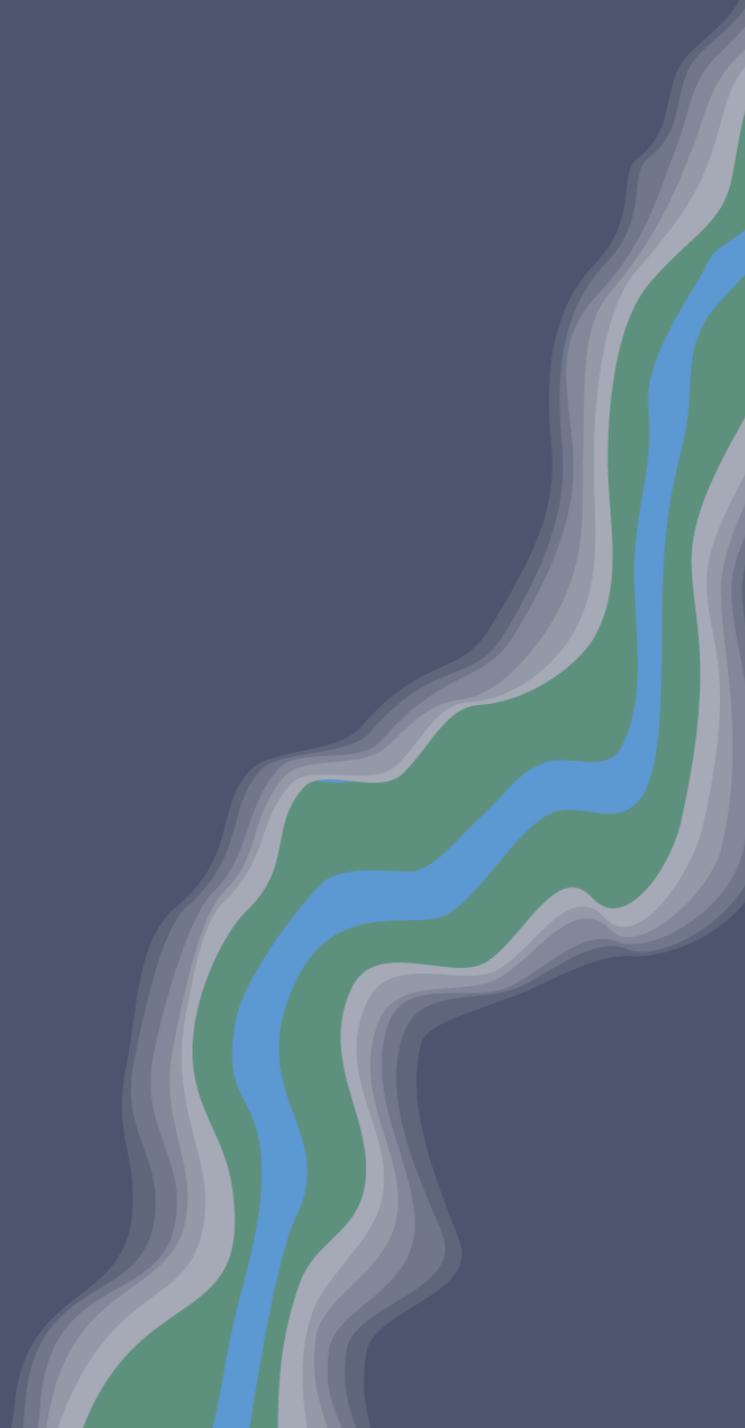




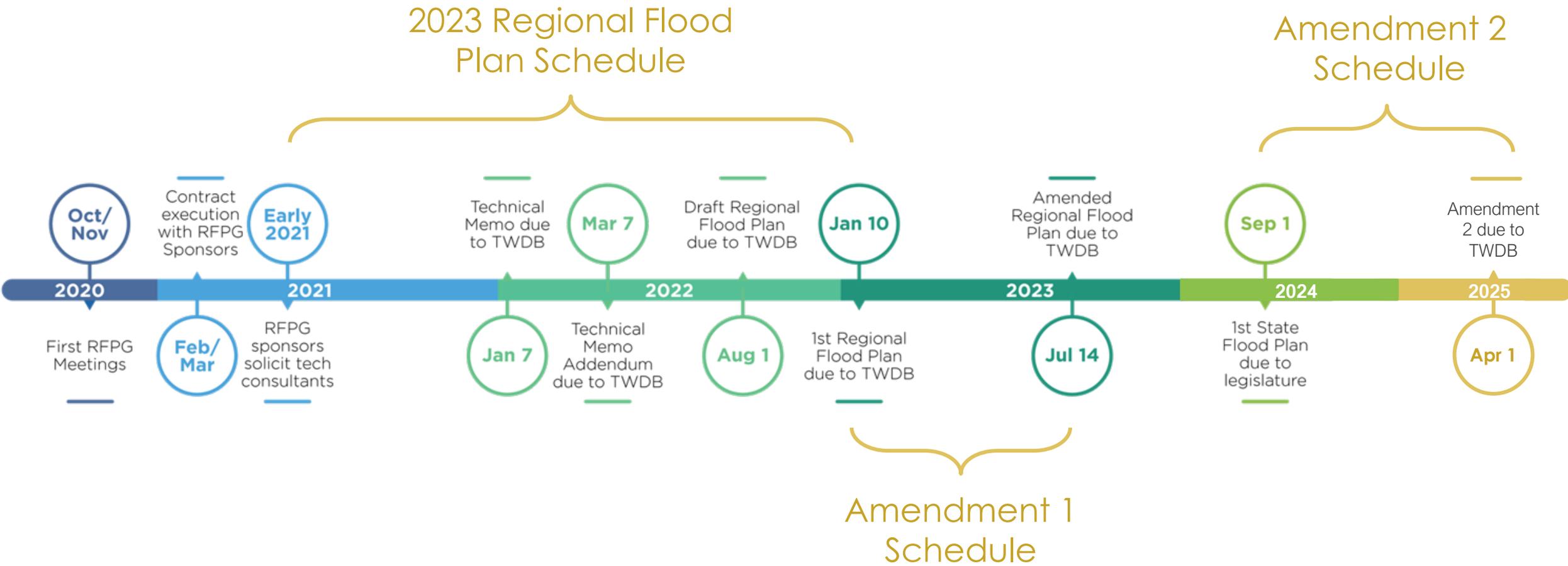
Questions Checkpoint

2023 Regional Flood Plan Overview

Jenna Blohm, EIT, CFM (Halff)



2023 RFP Timeline



2023 RFP Components

CHARACTERIZE REGION

Research infrastructure

Determine current and future flood risk

Establish flood management practices, mitigation needs, and goals

Identify potential flood mitigation solutions

RECOMMENDED SOLUTIONS

Recommend flood mitigation solutions

Identify potential impacts

Summarize flood response info

Recommend reg/leg improvements

Identify funding sources

AMENDMENT 1

Additional outreach and coordination

Perform flood mitigation evaluations

Identify additional flood mitigation projects

AMENDMENT 2

Additional outreach and coordination

Identify and recommend additional evaluations and strategies

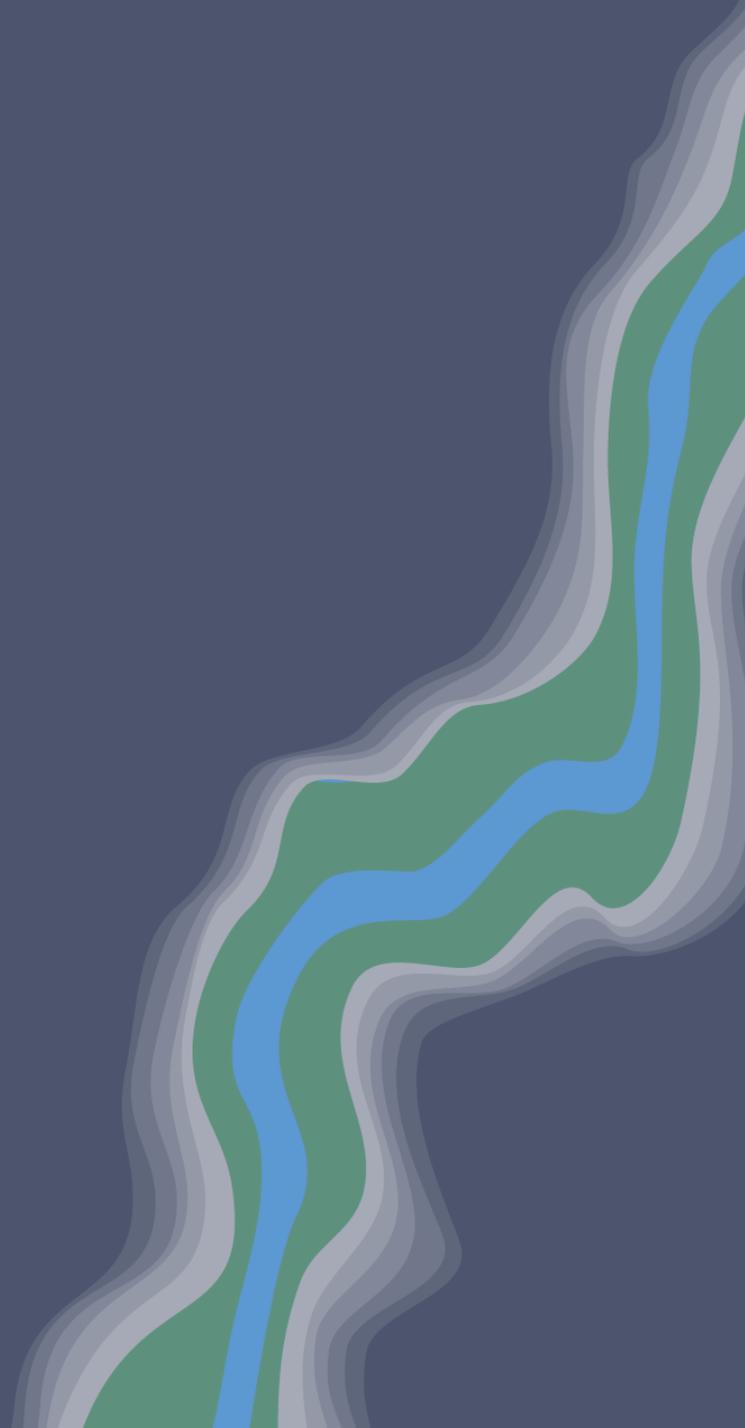
← Encourage public participation →



Questions Checkpoint

2028 Regional Flood Plan Overview

Jenna Blohm, EIT, CFM (Halff)



2028 Regional Flood Plan Tasks

1. Planning Area Description
2. Existing and Future Condition Flood Risk
3. Floodplain Management Practices, Needs Analysis, and Flood Mitigation and Management Goals
4. Identification and Evaluation of Flood Mitigation Needs, Perform Evaluations

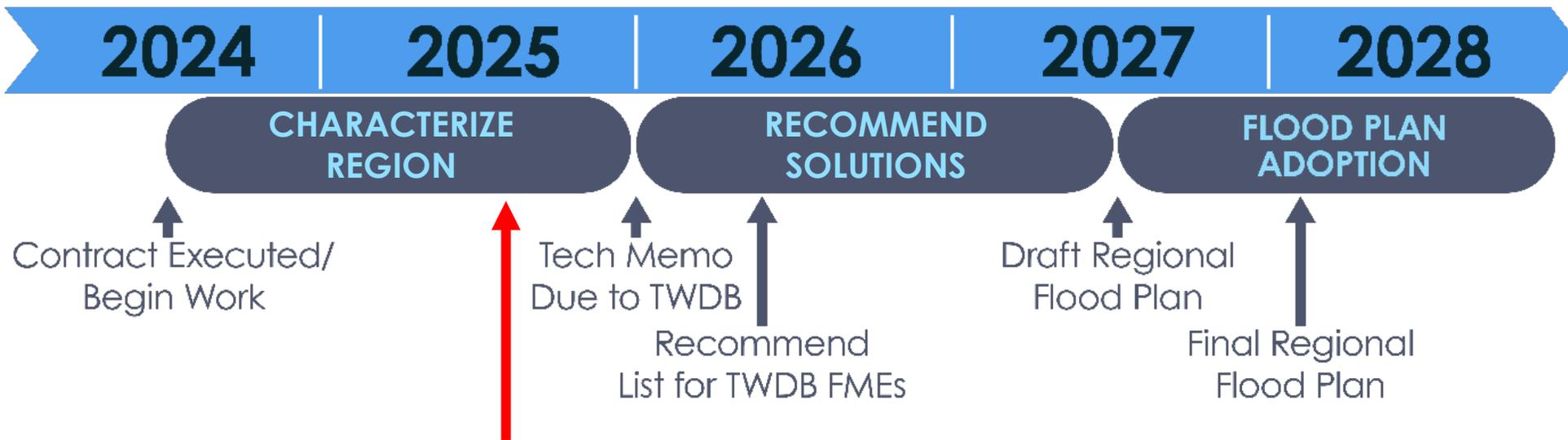
**Characterize
Region**

5. Recommendation of Flood Mitigation Needs, Recommendation of Evaluations for TWDB
6. Impacts of Flood Plan and Contributions Water Supply
7. Flood Response Information and Activities
8. Administrative, Regulatory, and Legislative Recommendations
9. Flood Infrastructure Financing
10. Public Participation and Plan Adoption
11. Implementation and Comparison to Previous Regional Flood Plan

**Recommend
Solutions**

2028 Plan Timeline

REGIONAL FLOOD PLANNING SCHEDULE



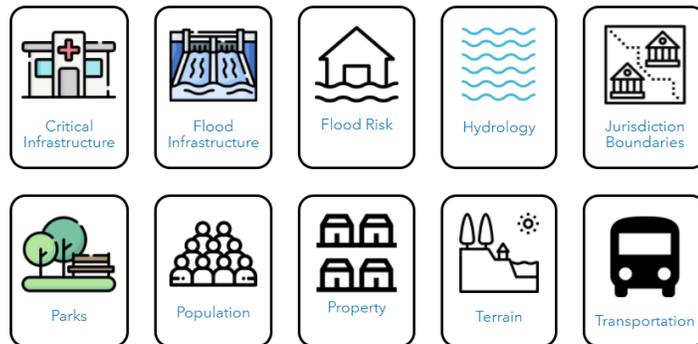
**We are here
(Tasks 1-4)**



Task 1: Planning Area Description

Goal

Gather and analyze available data within the region to characterize social and economic distributions, existing flood infrastructure, land use, historical flood risk, and ongoing mitigation efforts.



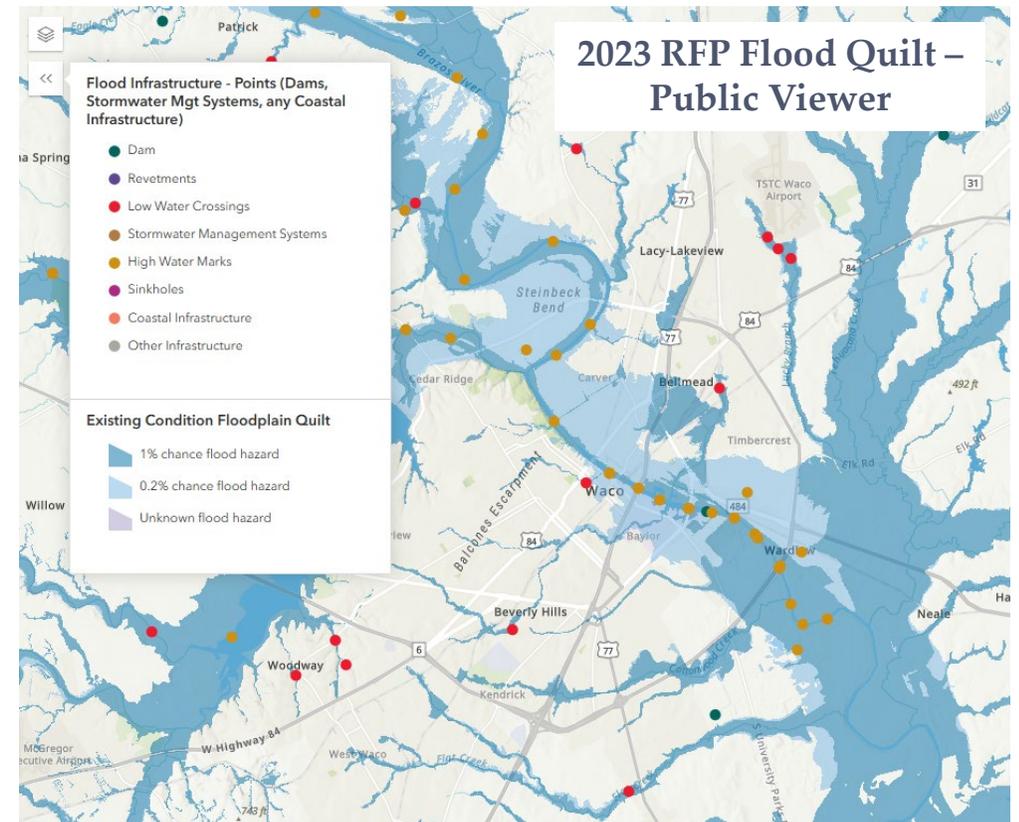
Task 2A: Existing Flood Risk

Goal

Utilize best available flood risk data to comprehensively assess existing flood risk.

Sub-Tasks

- Develop **flood quilt** for 10%, 1%, and 0.2% ACE storm events
- Summarize existing flood risk to infrastructure
- Determine vulnerability – combines community characteristics alongside flood risk



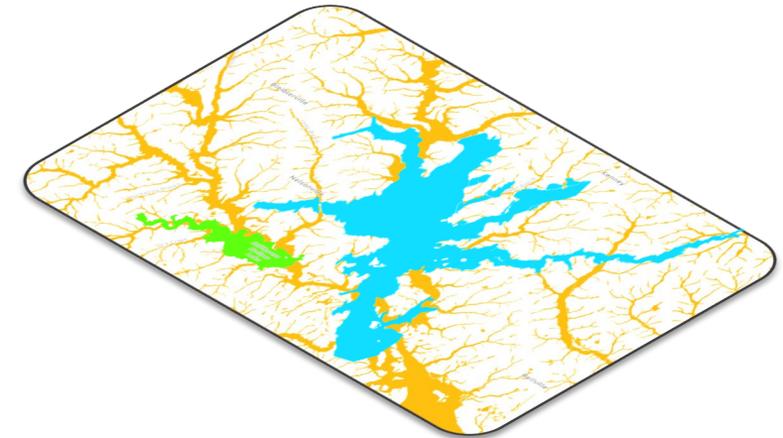
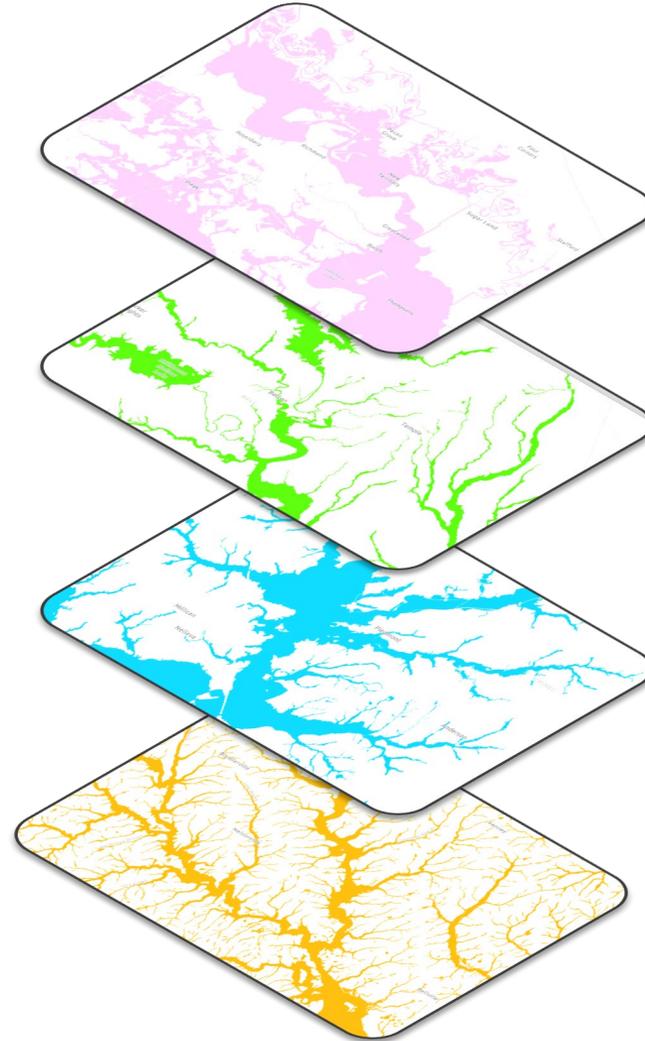
Task 2A – Existing Flood Risk

Community
Models / Maps

FEMA Flood
Hazard (NFHL)

Base Level
Engineering
(BLE)

Fathom Layer



Flood Quilt

Task 2B: Future Flood Risk

Goal

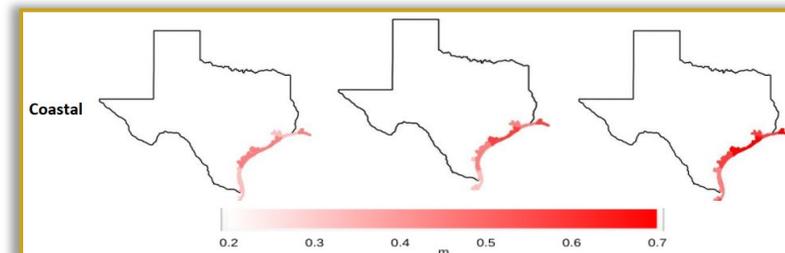
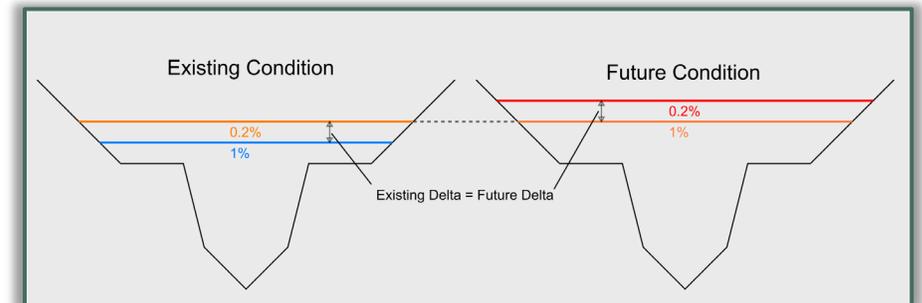
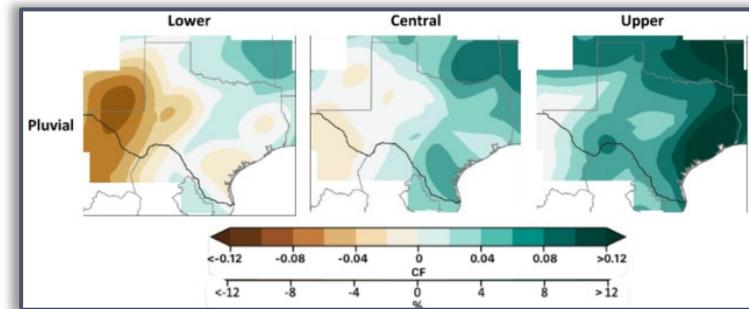
Utilize best available flood risk data to comprehensively assess future (2060) flood risk. Accounts for changes to rainfall, sea levels, land use, and subsidence.

USING MULTIPLE APPROACHES:

(1) Updating regional models to run future analyses using Fathom base data.

(2) Using vertical buffer on existing data to represent increases in precipitation and impervious cover.

(3) Fill in with Future Fathom data provided by TWDB.



Task 3A: Floodplain Management Practices

Goal

Identify existing floodplain management practices within the region. Recommend or adopt target standards for region and sub-region zones.

Step 1



Collect Survey Responses



Summarize Common Themes in Standards

Step 2



Bring Standards To RFPG For Discussion

Step 3



RFPG Decides on Region-Wide & Zonal Standards

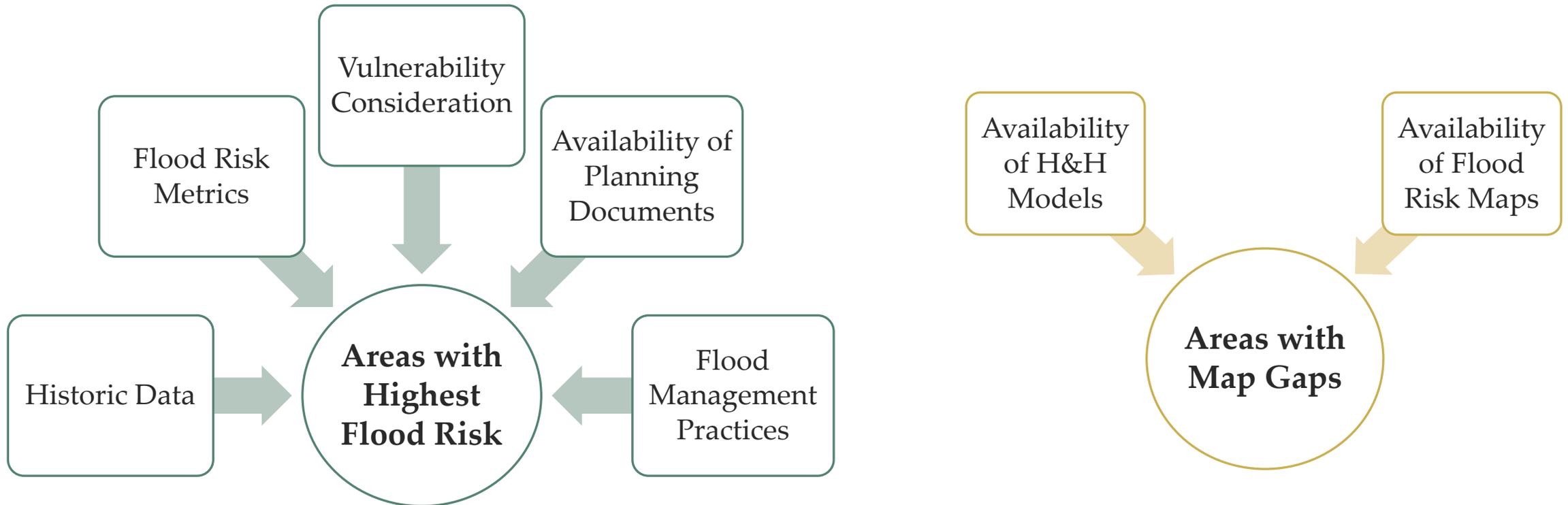
Recommend means all flood mitigation solutions can be considered. (2023 RFP)

Adopt means the jurisdiction must meet standard BEFORE their flood mitigation solutions can be considered for inclusion in the plan.

Task 3B: Flood Mitigation Needs Analysis

Goal

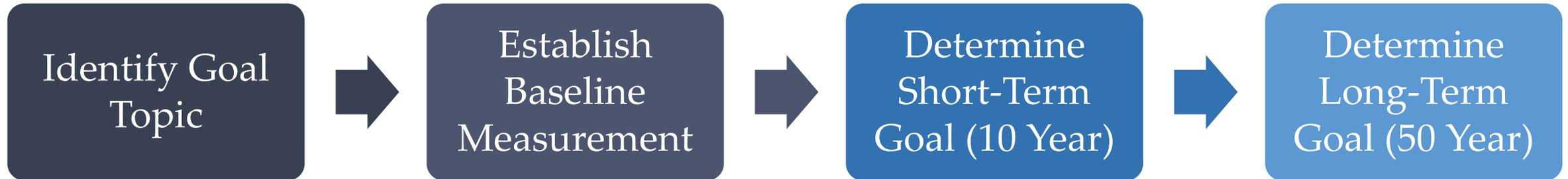
Identify locations within the flood planning region that have the **greatest need** for flood risk mitigation and/or flood risk studies.



Task 3C: Flood Mitigation & Management Goals

Goal

Identify specific and achievable goals for the region along with target years to meet the goals.



2023 Goal Categories

Floodplain Management

Mitigation Projects

Education & Outreach

Flood Studies & Analysis

Flood Warning & Readiness

What is an FMX?

FME

Flood Management Evaluation



FMEs are flood studies and evaluations performed to characterize flood risk, identify potential risk solutions and develop projects into FMPs.

Potential FMEs Include:

- Project Design (up to 30%)
- Project Feasibility Study
- Watershed Planning Study
- Flood Risk Analysis

FMS

Flood Mitigation Strategy



FMSs are big-picture strategies. This category can serve as a “catch-all” for flood management and mitigation efforts that do not align with either FMPs or FMEs.

Potential FMSs Include:

- Property Acquisition or Elevation
- Drainage Criteria Development
- Flood Warning Systems
- Outreach and Educational Programs

FMP

Flood Mitigation Project



FMPs are fully developed, constructable, flood mitigation projects.

Potential FMPs Include:

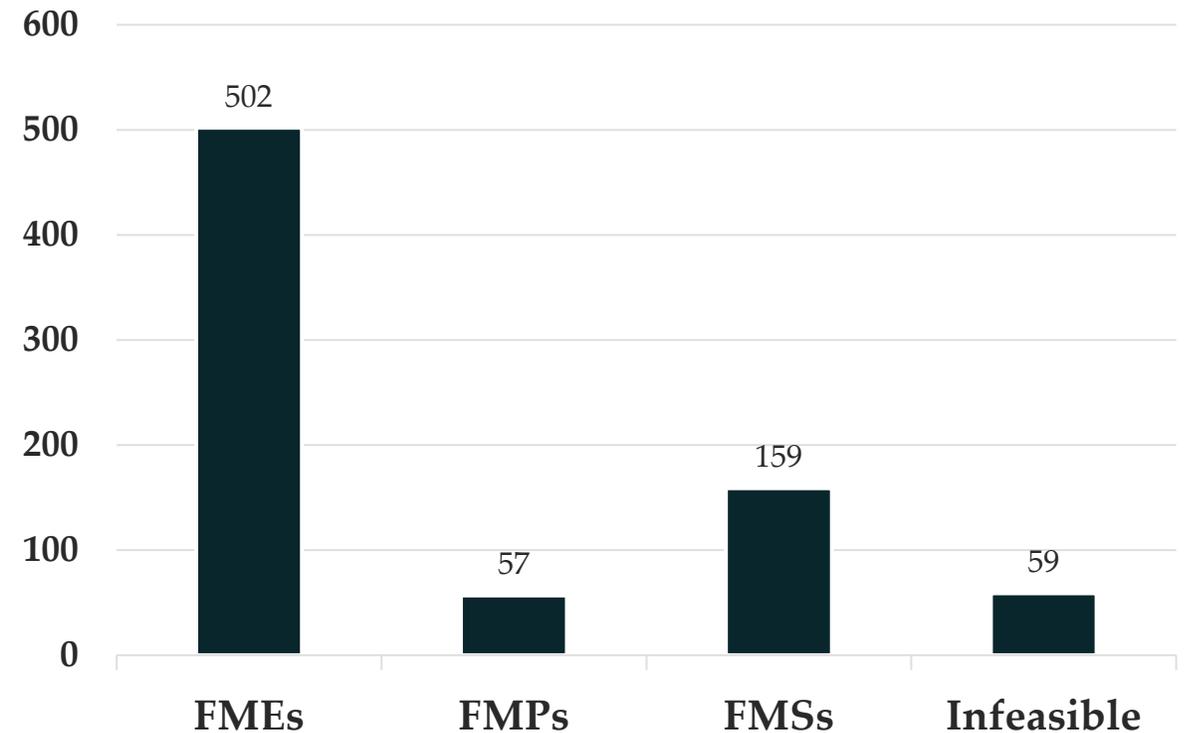
- Channel Improvements
- Road Crossing Improvements
- Detention Projects
- Gauge Installation Projects

Task 4A: FMX Identification

Goal

Identify and evaluate potentially feasible FMXs for incorporation into the Regional Flood Plan.

FMX Source	No. FMXs Identified
Hazard Mitigation Plans	213
Other Available Public Docs	213
Direct Community Submittals	199
RFPG Task Efforts*	151
TOTAL	776



Task 4B: Technical Memorandum

Goal

Interim TWDB submittal to provide progress update on Tasks 1 – 4.

Submittal Includes:

- GIS Data
- Tables
- Maps
- Limited text pulled from task chapters

Due to TWDB by January 10, 2026

1. Prepare a concise Technical Memorandum to include:

- A list of existing political subdivisions within the FPR that have flood-related authorities or responsibilities;
- A list of previous and ongoing flood studies considered by the RFPG to be relevant to development of the RFP;
- A geodatabase and associated maps in accordance with TWDB Flood Planning guidance documents that the RFPG considers to be best representation of the region-wide 1.0% annual chance flood event and 0.2% annual chance flood event inundation boundaries, and the source of flooding for each area, for use in its risk analysis, including indications of locations where such boundaries remain undefined;
- A geodatabase and associated maps in accordance with TWDB Flood Planning guidance documents that identifies additional flood-prone areas not described in (c) based on location of hydrologic features, historic flooding, and/or local knowledge;
- A list of available flood-related models that the RFPG considers of most value in developing its plan;
- A summary and associated maps of locations within the FPR that the RFPG considers having the greatest flood risk and flood risk reduction needs.
- The flood mitigation and floodplain management goals adopted by the RFPG per §361.37;
- The documented process used by the RFPG to identify potentially feasible FMPs and FMSs;
- A list of potential FMEs and potentially feasible FMPs and FMSs identified by the RFPG, if any; and
- A list of FMSs and FMPs that were identified but determined by the RFPG to be infeasible, including the primary reason for it being infeasible.

2. Approve submittal of the Technical Memorandum to TWDB at a RFPG meeting subject notice requirements in accordance with 31 TAC §361.21(h). The Technical Memorandum must be submitted to TWDB in accordance with Section I Article I of the contract.

Task 4C: FME Performance

Goal

Perform select flood management evaluations (FMEs) to identify additional FMPs and FMSs.
Opportunity for the RFPG to take action and move priorities forward.

Perform **regional watershed studies** for rural, underserved areas.

Identify flood risk solutions based on risk assessment.

**Data Gap
Reduction**

**Flood Risk
Reduction**

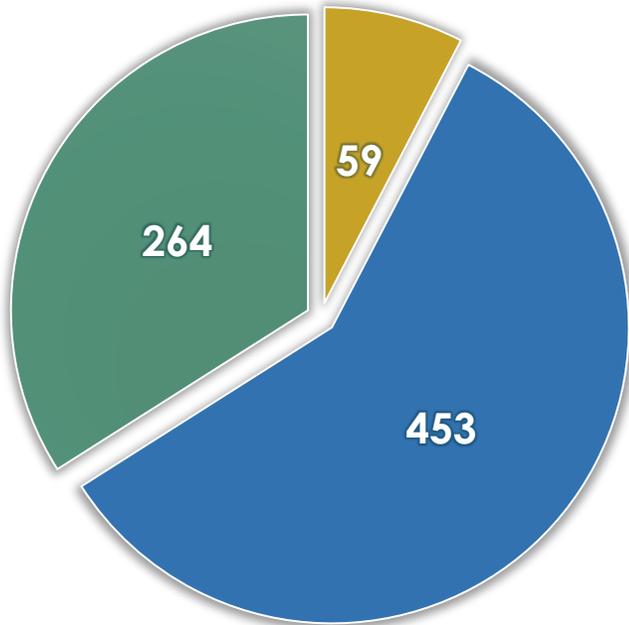
Finalize existing flood risk reduction concepts to elevate them to FMPs.

Incorporate updated base data and calculate benefits and costs.

Task 5A: Recommendation of FMXs

Goal

Recommend FMXs that meet minimum **TWDB and RFPG criteria** to be eligible for funding opportunities.



- Infeasible
- Non-Recommended
- Recommended

NON - RECOMMENDED

FMXs that do not satisfy RFPG or TWDB criteria.
Evaluated but not eligible for funding.

Potential Criteria:

- FMX watershed size
- Local vs regional
- Constructability / implementation constraints

RECOMMENDED

FMXs that meet RFPG and TWDB criteria.
Evaluated and eligible to apply for TWDB funding.

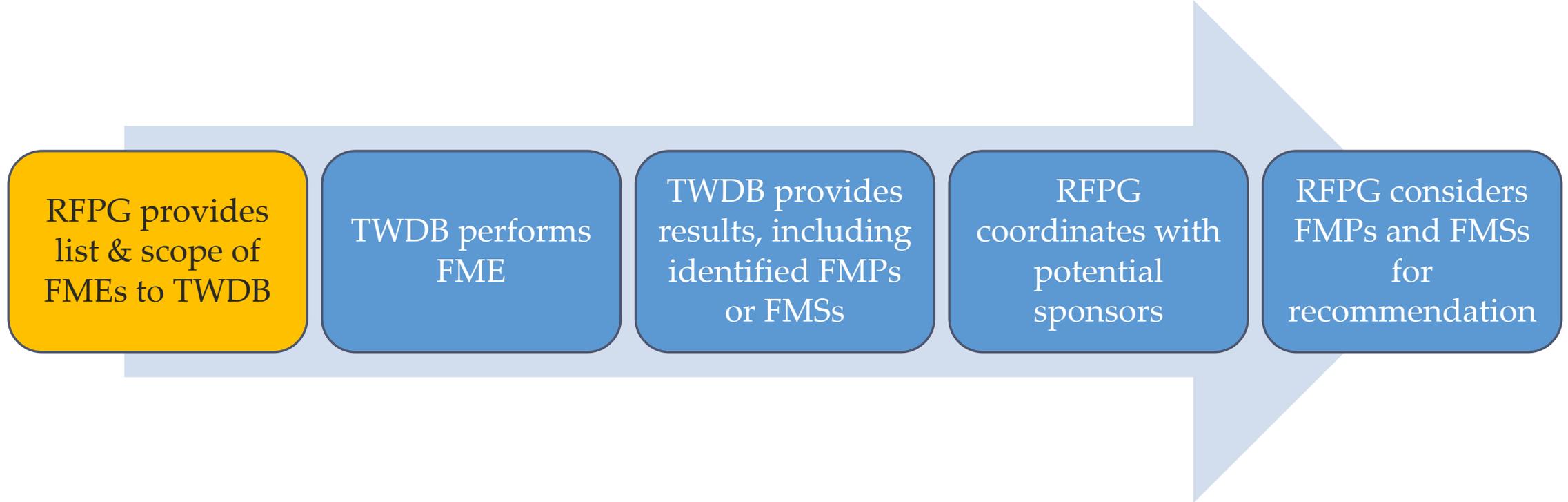
Potential Criteria:

- Sponsorship engagement

Task 5B: List of FMEs for TWDB Performance

Goal

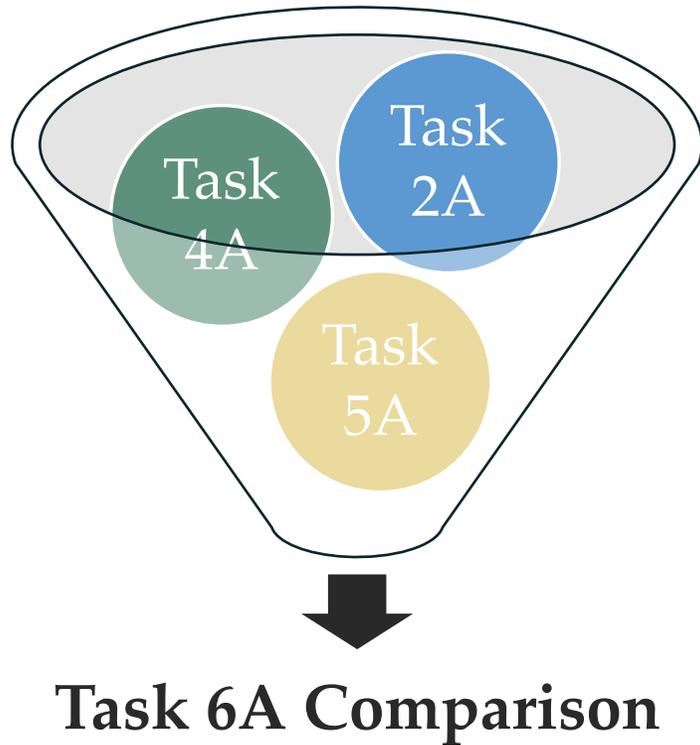
Develop list of flood management evaluations (**FMEs**) for the TWDB to perform. FMEs for TWDB should prioritize **rural and underserved communities**.



Task 6A: Impacts of Regional Flood Plan

Goal

Provide a summary of how the recommended FMPs and FMSs would **benefit or impact** the region if implemented.



Flood Exposure Metric	Existing Exposure 1% ACE	After Implementation 1% ACE	Reduction in Exposure 1% ACE
Total Structures	63,056	59,069	3,987
Critical Facilities	187	168	19
Population	129,888	118,772	11,116
Low Water Crossings	7,500	7,495	5

Task 6B: Contributions & Impacts to Water Supply

Goal

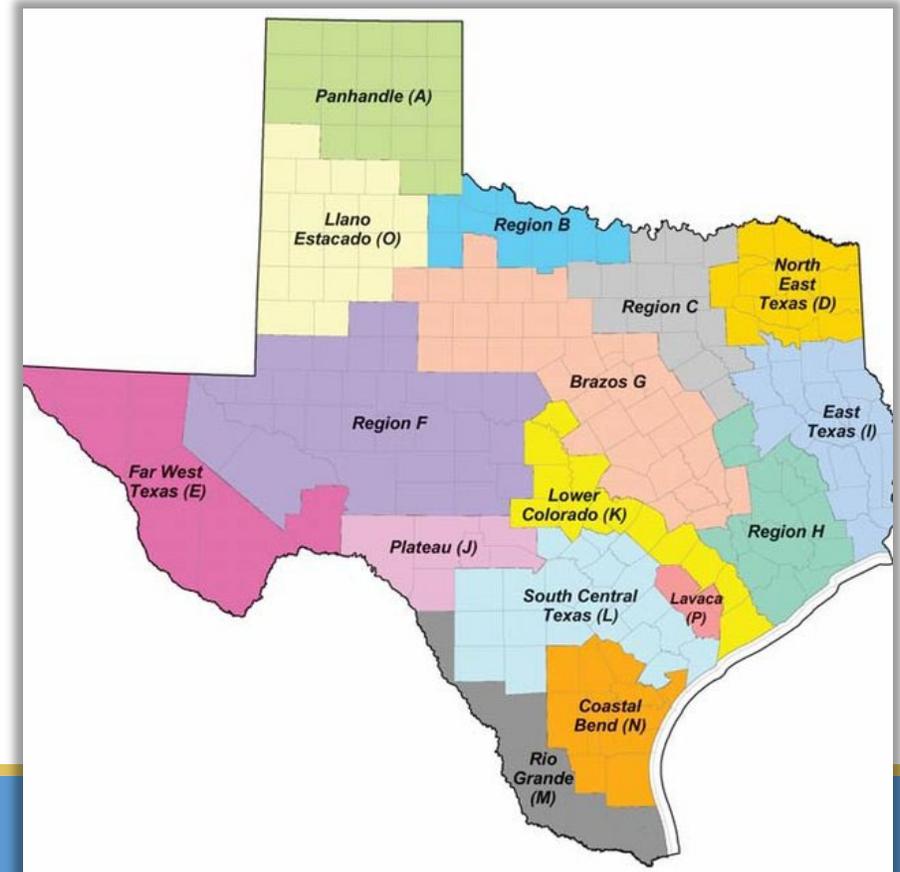
Analyze and summarize any measurable interactions between the recommended FMPs / FMSs and water supply within the State.

Potential Interaction Types:

- Increasing or decreasing water supply volumes available during droughts
- Increasing or decreasing water availability (i.e. in aquifers or reservoirs)

Water Planning Groups:

- Jurisdictional bounds
- Primary overlap with Brazos G and Region H



Task 7: Flood Response & Activities

Goal

Research and summarize how entities within the region perform flood response and disaster recovery.

FEMA Phases of Emergency Management



“RFPGs must not perform analyses or other activities related to planning for disaster response or recovery activities.”

Task 8: Recommendations

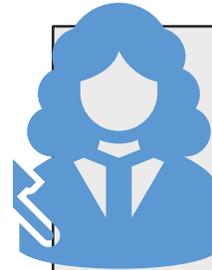
Goal

Develop recommendations for **administrative, regulatory, and legislative improvements** related to flood risk and regional flood plan implementation.



Legislative

- Funding availability & mechanism
- Jurisdictional authority
- Levees & dam oversight



Regulatory

- Statewide standards & policies
- Statewide database & tracking
- Funding application process



Administrative

- Regional flood planning process improvements to scope, data, and general workflow

Task 9: Flood Infrastructure Financing

Goal

Indicate potential avenues for entities to **fund** recommended FMEs, FMPs, and FMSs.

Funding survey distributed to FMX sponsors:

RFPG Number	Sponsor Entity Name	FMS or FMP or FME	FMS FMP FME - Name	Regional plan's unique FMS/FMP/FME identification number	Target year of full implementation	Estimated costs in plan			Estimated percent (share) of total FMS, FMP, or FME estimated cost				
						Non-construction costs ¹	Construction-related costs ²	Total estimated cost ³	Sponsor Funding		Other Funding Needed (including state, federal and/ or other funding)	TOTAL (auto) sum must = 100%	
									ANTICIPATED SOURCE of Sponsor funding (e.g., taxes; general revenue; dedicated revenue incl. fees)	FUNDING TO BE FINANCED BY SPONSOR (including local, county, or regional mechanisms available but not yet fully utilized)			

Local Funding
(Fees, Bonds,
Etc.)

Flood
Infrastructure
Fund

Community
Development
Block Grants

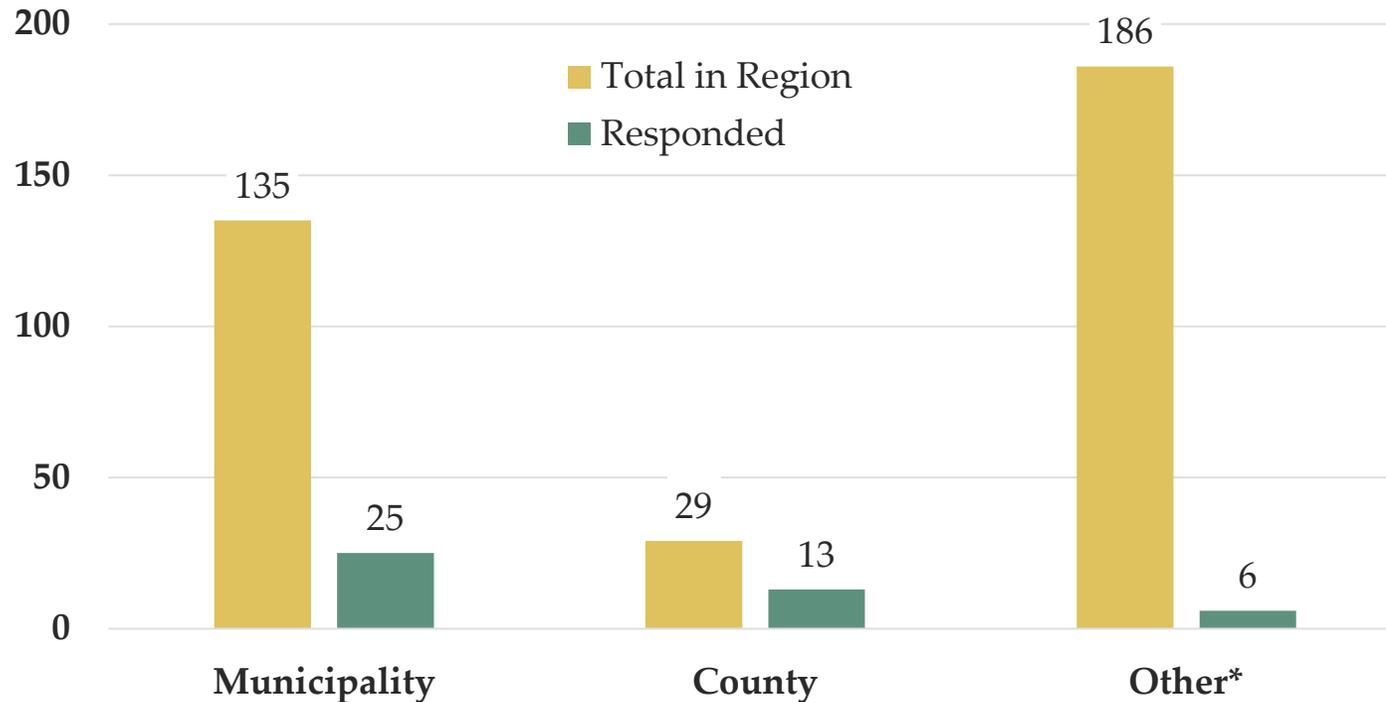
Flood
Mitigation
Assistance

Flood
Protection
Planning Grant

Task 10: Public Participation and Plan Adoption

Goal

Facilitate community engagement throughout plan development to encourage bottom-up planning approach. Ensure plan is developed in compliance with State requirements.



Responses represent roughly 1,692,000 people

~43% of the population of the region Lower Brazos Region

Task 10: Public Participation and Plan Adoption

Upcoming Public Roadshow

- Inform and engage the public
- Gather feedback
- Support transparency and collaboration

August 21, 2025, 1 – 3 PM

Brazos River Authority
4600 Cobbs Drive
Waco, TX 76710

August 26, 2025, 5 – 7 PM

Visit College Station Event Center
1207 Texas Avenue
College Station, TX 77840

August 28, 2025, 5 – 7 PM

Rosenberg Civic Center
3825 Highway 36 South
Rosenberg, TX 77471

September 9, 2025, 5 – 7 PM

Hood County Annex I
1410 W. Pearl Street
Granbury, TX 76048

September 11, 2025, 5 – 7 PM

Georgetown Community Center
445 E. Morrow Street
Georgetown, TX 78626



Task 11: Implementation & Comparison to Previous RFP

Goal

Assess **major differences** between the previous and current cycles of regional flood planning and provide description of FMXs that have been implemented.



Changes to recommended FMEs, FMPs, and FMSs



Progress on flood protection goals

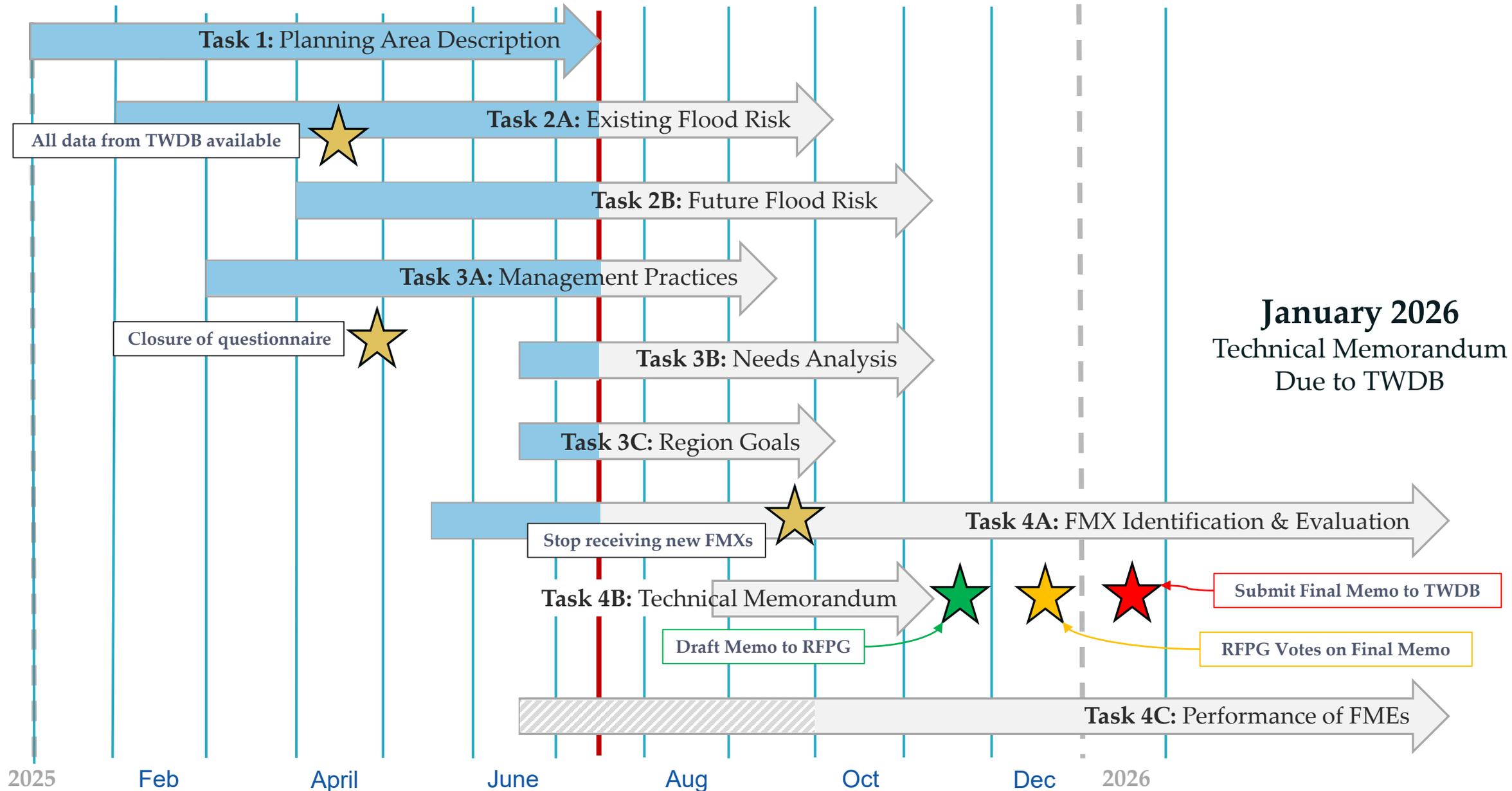


Differences in quantities of at-risk infrastructure



Implementation of flood management practices

2028 Plan Current Progress



2028 Upcoming Key Decisions

September 2025

Task 3A – Management Standards

- Recommend or adopt floodplain management standards for 2028 cycle

October 2025

Task 3C - Goals

- Adopt Goals for 2028 cycle
- Influences ability to recommend FMXs

December 2025

Task 4B – Technical Memorandum

- Approve Tech Memo for submittal to TWDB
- Summarizes efforts completed for Tasks 1 – 4

Nov/Dec 2025

Task 4C – Perform FMEs

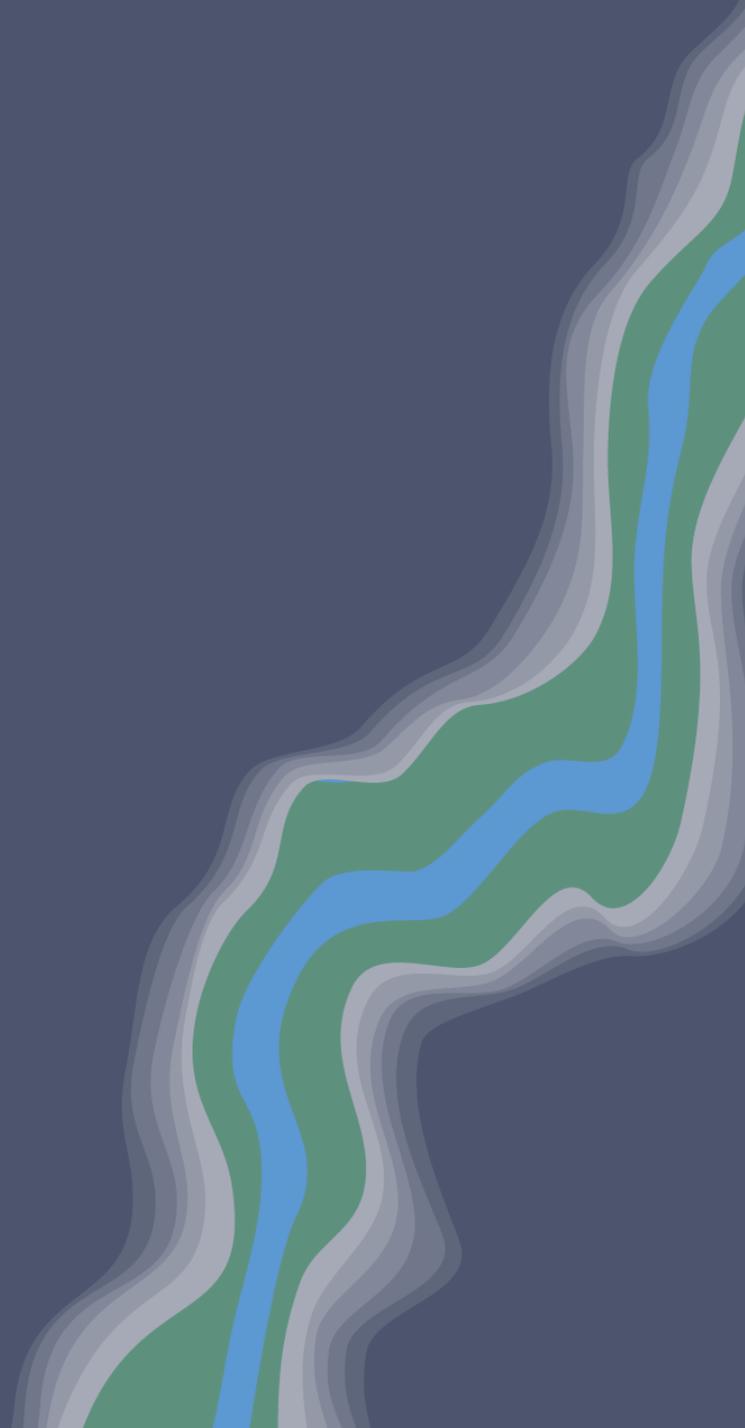
- Approve list of FMEs for performance by Tech Consultant Team
- RFPG's chance to take action



Questions Checkpoint

Flood Infrastructure Fund Overview

Jenna Blohm, EIT, CFM (Halff)



Funding & Flood Planning

The Regional Flood Plan, and by extension, the State Flood Plan are the path to Flood Infrastructure Funding.

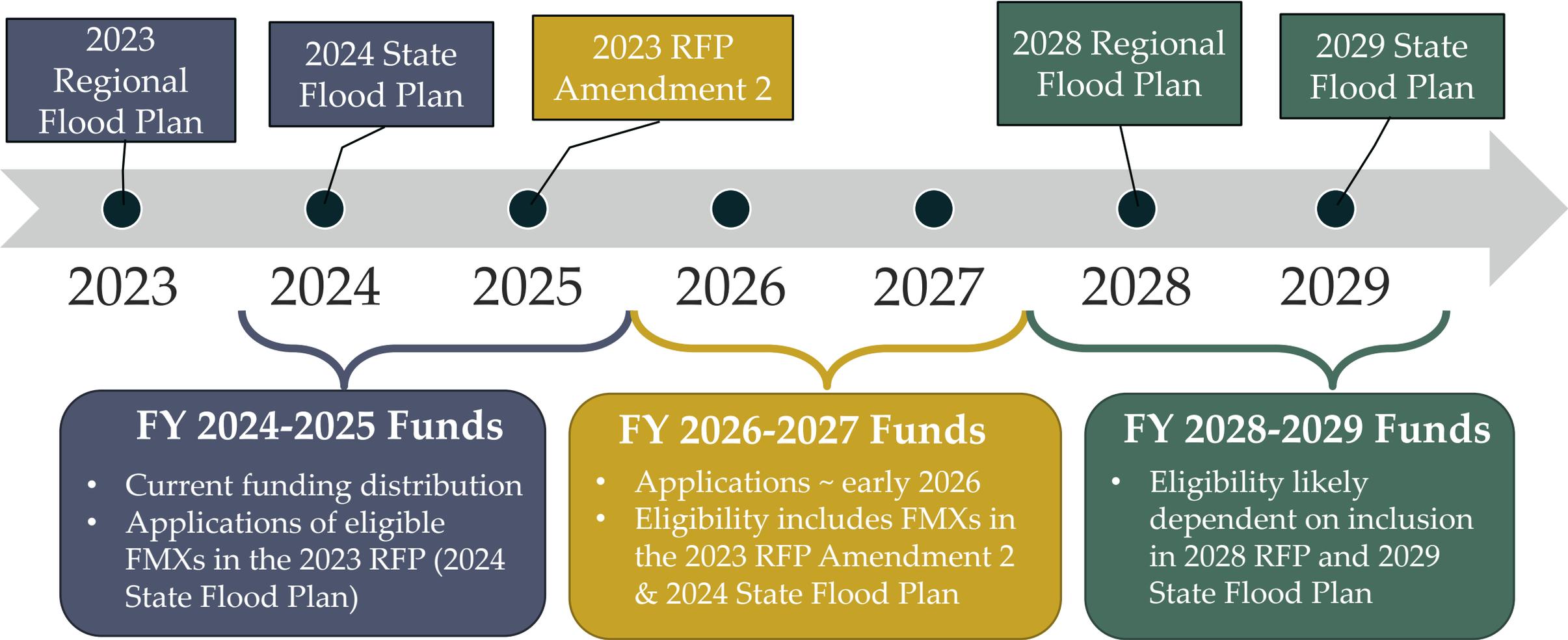
Only flood mitigation needs (FMX) included in the State Flood Plan will be eligible for state funding assistance through the FIF

The Lower Brazos Region requires active sponsorship for FMXs to be recommended into the state flood plan



www.twdb.texas.gov/financial/programs/fif/

FIF Timeline – 2-Year Cycle





QUESTIONS AND COMMENTS

For more information or to contact the RFPG visit:
lowerbrazosflood.org

REGION



Lower Brazos
Regional Flood Planning Group

4. Adjourn