



Region 3 Trinity Flood Planning Group Meeting
Friday, October 4, 2024
9:00 a.m.

The Region 3 Trinity Flood Planning Group (R3TRFPG) will hold a public meeting in-person pursuant to Texas Government Code, Section 551.127. This meeting will be conducted in a hybrid format.

In-person:

Trinity River Authority of Texas
TRA General Office
5300 S Collins St
Arlington TX 76018

Virtually:

Via WebEx videoconference at:

<https://bit.ly/4cX4f8S>

or via phone at 1-408-418-9388 access code 2487 299 1628

Webinar number: 2487 299 1628

Members of the public may attend, participate and/or address the RFPG in-person, or they may virtually access the meeting using the videoconference link or teleconference information provided above. Members of the public wishing to address the Trinity RFPG during the meeting are encouraged to follow the registration and comment procedures found below.

MEETING AGENDA

1. Call to order
2. Roll call
3. * Approval of minutes from the previous meeting
4. Acknowledgement of written public comments received
5. Receive registered public comments on specific agenda items – limit 3 minutes per person
6. TWDB Update
7. Update from the Policy Subcommittee
8. Update from Region 3 Technical Consultant
 - a. Technical consultant team
 - b. State Flood Plan updates
 - c. Amendment process for Regional and Statewide Flood Plans
 - d. Project overview

Trinity Regional Flood Planning Group October 4, 2024 Meeting Notice and Agenda, continued

- e. Proposed project schedule
- f. Proposed outreach plan
9. Updates from liaisons for adjoining coastal regions
 - a. Region 5 Neches RFPG
 - b. Region 6 San Jacinto RFPG
10. Updates from Planning Group Sponsor
 - a. Status of contracts for second cycle of planning
 - b. Member attendance and excessive absenteeism
11. Second Cycle Pre-Planning Meeting (pursuant to Texas Water Code §16.062(d) and Texas Administrative Code RULE §361.21(h))
12. Receive registered general public comments – limit 3 minutes per person
13. Announcements
14. Confirm meeting date for next meeting
15. Consider agenda items for next meeting
16. Adjourn

* Denotes Action Item

ORAL PUBLIC COMMENTS

If you wish to provide oral public comments at the meeting, you are encouraged to register in advance by emailing info@trinityrfg.org no later than 8:00 a.m. on October 4, 2024, providing your name, phone number, email address and who are you representing, and indicating if you wish to comment on a specific agenda item or provide general comments. During the meeting, those who have registered to speak, either in-person or virtually, will be called upon by the Chair during the appropriate comment period. At the discretion of the Chair, unregistered attendees who wish to speak may also have the opportunity to provide oral comments during the public comment periods of the agenda.

- Those participating by videoconference will be asked to use the “raise hand” function, visible by hovering the cursor over the attendee’s name onscreen, to indicate their interest in speaking during the appropriate public comment period.
- Those participating by teleconference will be asked to enter *3 to indicate their interest in speaking and to be placed into the queue in order to be called upon during the appropriate public comment period.

WRITTEN PUBLIC COMMENTS

If you wish to provide written comments prior to or after the meeting, please email your comments to info@trinityrfg.org and include “Region 3 Trinity Flood Planning Group Meeting” in the subject line of the email.

Additional information may be obtained from:

Alexis Long at: (817) 467-4343 or by email at: longas@trinityra.org

Physical location: 5300 South Collins Street, Arlington, TX 76018



October 4, 2024





1. Call to order



2. Roll call



3. Approval of minutes

Region 3 Trinity Flood Planning Group Meeting
Thursday, July 11, 2024
2:00 p.m.

The Region 3 Trinity Flood Planning Group convened a public meeting, in person as well as virtual, on Thursday, July 11, 2024, 2:00 p.m.
Chairman Glenn Clingenpeel opened the meeting at 2:02 p.m.

Voting Members Present:

Chad Ballard, joined after roll call
Sano Blocker, absent
Melissa Bookhout
Glenn Clingenpeel
Rachel Ickert
Craig Ottman, alternate for Rachel Ickert
Scott Harris, absent
Andrew Isbell, absent
Jordan Macha, absent
Galen Roberts
Matt Robinson
Lissa Shepard
Sarah Standifer, absent

7 voting members were present at the time of roll call, constituting a quorum.

Ex Officio Members Present:

Susan Alvarez, joined after roll call
Steve Bednarz
Kris Robles for John Blount
Justin Bower, absent
Todd Burrer
Humberto (Bert) Galvan
Diane Howe, absent
Lonnie Hunt, absent
Risa King, absent
Neely Kirkland, joined after roll call
Manuel Martinez
Katie Koslan
Mark LeMense for Andrea Sanders
Andrea Sanders, absent
Matthew Lepinski
Lisa McCracken, absent
Greg Waller
Adam Whisenant
Amanda Young, absent

Approval of the Minutes of the April 4, 2024, Meeting

Motion: Lissa Shepard
Second: Rachel Ickert

Acknowledgement of written public comments received

No written public comments were received.

Receive registered public comments on specific agenda items

No registered public comments were received.

TWDB Update – Katie Koslan, TWDB

Katie Koslan, TWDB Project Manager for Region 3 RFPG, provided an update. Ms. Koslan informed the group that guidance regarding amendments to the flood plan was sent at the end of May. She emphasized that if the group intends to amend the region's plan, they should review this guidance. She also provided an update on the final payment process, mentioning that the timeline for releasing retainage and closing out the contract would likely be in August. Ms. Koslan confirmed that the group could amend the plan up to three times using current funds. She advised the group to wait until they have a significant amount of information or projects to amend the plan to make the process worthwhile. Ms. Koslan was unsure whether the entire plan would need to be resubmitted through the amendment process and will inform the RFPG once guidance has been developed by TWDB. She suggested that the group consider the potential workload and funding implications when deciding whether to amend the plan now or wait for the next cycle.

Ms. Koslan clarified that the next cycle for FIF (Flood Infrastructure Fund) funding would be in 2026. She mentioned that no additional state funding would be available for the current cycle, and the current FIF applications for 2024 had not yet been processed. Ms. Koslan discussed the timeline for submitting the state flood plan, stating that TWDB needs to submit it to the legislature by September 1, 2024. She also confirmed that the official state flood plan should be ready for the next FIF cycle set for 2026.

Update from the Policy Subcommittee – Rachel Ickert, TRWD

Rachel Ickert, TRWD, stated there were no updates.

Updates from liaisons for adjoining coastal regions

a. Region 5 Neches RFPG: Chad Ballard stated there were no updates.

- b. Region 6 San Jacinto RFPG: Todd Burrer stated that technical consultant request for qualifications have been issued for Region 6.

Update from Planning Group Sponsor – Glenn Clingenpeel, TRA

- a. Status of contracts for second cycle of planning

TRA received one applicant under the request for qualifications and one proposal under the request for proposals. The proposal was reviewed and approved by the RFPG. Half Associates, Inc was selected as the Technical Consultant. The subconsultant team will consist of Freese and Nichols, Nathan D. Maier, Cooksey Communications and Dr. Nicholas Fang. TRA Board of Directors approved the contract. The Engineering Services Agreement (ESA) is being reviewed by TWDB. Once the ESA is approved, TRA and Half Associates will execute the contract.

- b. Overview of amendment process for Regional and Statewide Flood Plans

There was considerable discussion on the amendment process. Ms. Koslan emphasized that amendments to the regional plan could be made by the RFPG and suggested that they consider amending the plan once they have a substantial amount of information to include. Mr. Clingenpeel raised the point that the RFPG should establish a protocol for deciding when to amend the plan, ensuring that it is done when there is a critical mass of FMXs to justify the effort. Mr. Clingenpeel highlighted that projects need to be included in the state plan, not just the regional plan, to qualify for FIF funding. The RFPG needs to be notified when the next round of FIF funding would be available from TWDB in order to have the plan amended before that time.

Mr. Clingenpeel proposed that the group revisit the process used previously to include additional projects in the plan, ensuring that the process is formal and that any projects included are adequately prepared and meet the necessary criteria. Mr. Clingenpeel suggested that the RFPG consider whether to focus on amending the current plan or working towards a new plan for 2028. Mr. Clingenpeel emphasized the importance of making this decision to avoid continuously amending the current plan without building towards a more comprehensive future plan. Mr. Clingenpeel asked Ms. Koslan for clarification on whether the entire plan would need to be resubmitted for amendments and emphasized the importance of keeping the amendment process as simple as possible. Mr. Clingenpeel also discussed the need for an assessment and prioritization of projects when considering amendments.

It was also suggested that in the next flood planning cycle, a more proactive and targeted approach is needed to identify high-risk areas and engage with entities that might lack the resources to bring projects forward. It was proposed that a more structured and targeted call for projects be put in place, potentially focusing on areas with significant flood risk and insufficient

resources.

Receive registered public comments – limit 3 minutes per person

No registered public comments were received.

Announcements

Rachel Ickert and Craig Ottman, TRWD, discussed the levels of all TRWD reservoirs.

Lissa Shepard, Dallas County, discussed their current FIF study called the Dallas County Inland Port Flood Planning Study. Communication has been adequate with the TWDB. The project will be completed soon and will be submitted to the RFPG for inclusion in the regional flood plan.

Matthew Lepinski, USACE, provided an update. USACE has been working collaboratively with their [InFRM](#) partners and state and local partners on training videos that are directly related to the InFRM viewers available online, such as the flood decision support toolbox, the BLE viewer and the new watershed hydrology assessment viewer. The videos are relevant to the RFPG and USACE would appreciate any feedback.

Greg Waller, NWS, provided an update. The NWS is expecting an above normal hurricane/tropical storm year. The impacts of these weather events can be felt significantly far inland. The number one killer in these events is the inland flood effect. The NWS has dealt with three storms so far this year that have affected the Texas area.

Sue Alvarez, NCTCOG, provided an update. NCTCOG is working on the Regional Climate Pollution Reduction Project and developing a comprehensive Climate Action Plan for the region. The NCTCOG has issued a call for projects that are not currently listed in the existing plan. They will be conducting benefit cost analysis. They are also running models for air quality on priority pollutants and greenhouse gas reductions.

Glenn Clingenpeel, TRA, provided an update on the Trinity River Mid-Basin Watershed Study funded by FIF. The study developed baseline hydraulic modeling for approximately 100 stream miles of the Main Stem of the Trinity River from Freestone County to the headwaters of Lake Livingston in Polk and San Jacinto counties. At least three Trinity Tributaries spanning approximately 155 stream miles were studied. The study incorporated existing models and model development produced under the regional flood plan. Alternatives for potential flood risk reduction were proposed. Multiple alternatives were analyzed, but only one, a Flood Warning System, will be recommended to the RFPG for inclusion in the regional flood plan. The study was finalized and approved by the

TWDB in May 2024. Mr. Clingenpeel also provided an update on Lake Livingston.

Confirm meeting date for next meeting

Friday, October 4th at 9:00 am.

Consider agenda for next meeting

Recommendation for filling the Small Business Interest Category and Region 5 alternate

Adjourn

3:18 pm p.m. adjourned

THE ABOVE AND FOREGOING ARE CERTIFIED TO BE TRUE AND CORRECT MINUTES OF THE REGULAR MEETING OF THE REGION 3 TRINITY FLOOD PLANNING GROUP HELD JULY 11, 2024.

SCOTT HARRIS, Secretary
REGION 3 TRINITY FLOOD PLANNING GROUP


Date

GLENN CLINGENPEEL, Chair
REGION 3 TRINITY FLOOD PLANNING GROUP

Date



4. Acknowledgement of written comments received



5. Public comments on agenda items



6. TWDB update



7. Update from Policy Subcommittee



8. Consultant Update



CONSULTANT UPDATE

- Technical Consultant Team
- State Flood Plan Updates
- Amendment Process for Regional and Statewide Flood Plans
- 2028 Regional Flood Plan Overview
- Proposed Project Schedule
- Proposed Outreach Program

Technical Consultant Team



Stephanie Griffin,
PE, CFM, F.ASCE
Project Manager



David Rivera,
Ph.D., PE, CFM,
Deputy Project Manager



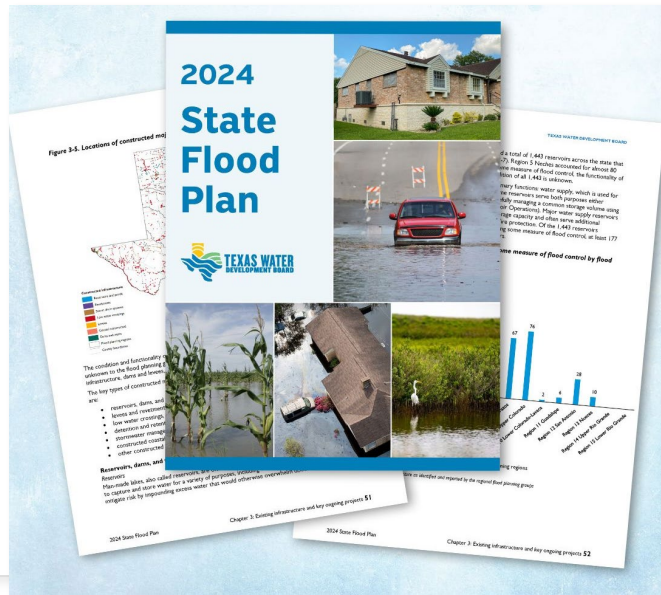
An underwater photograph showing the surface of the water with gentle waves. The water is a deep teal color, and the lighting is soft, creating a serene and slightly mysterious atmosphere. The surface of the water is visible in the upper third of the frame, with light reflecting off the ripples.

State Flood Plan Updates

2024 State Flood Plan

Adopted by TWDB on August 15, 2024

The plan was submitted to the State Legislature in September 2024



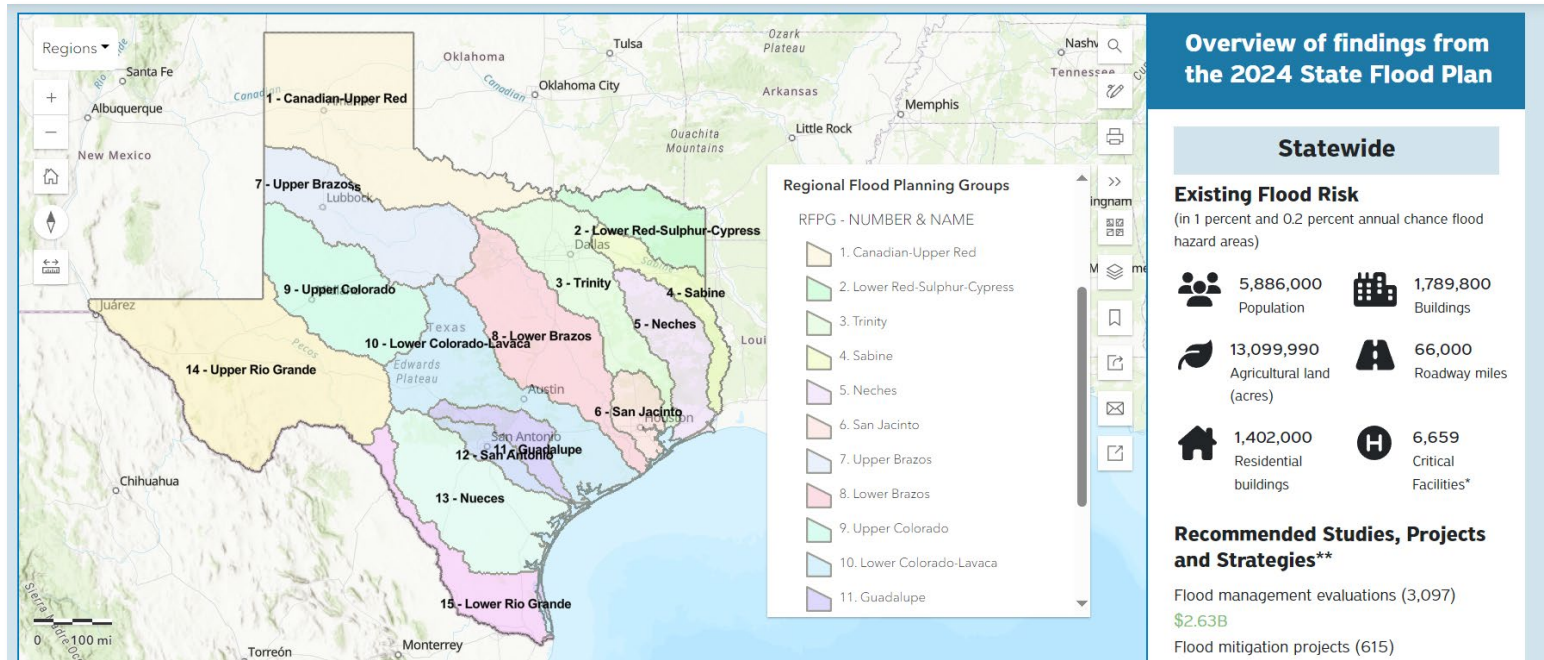
2024 State Flood Plan

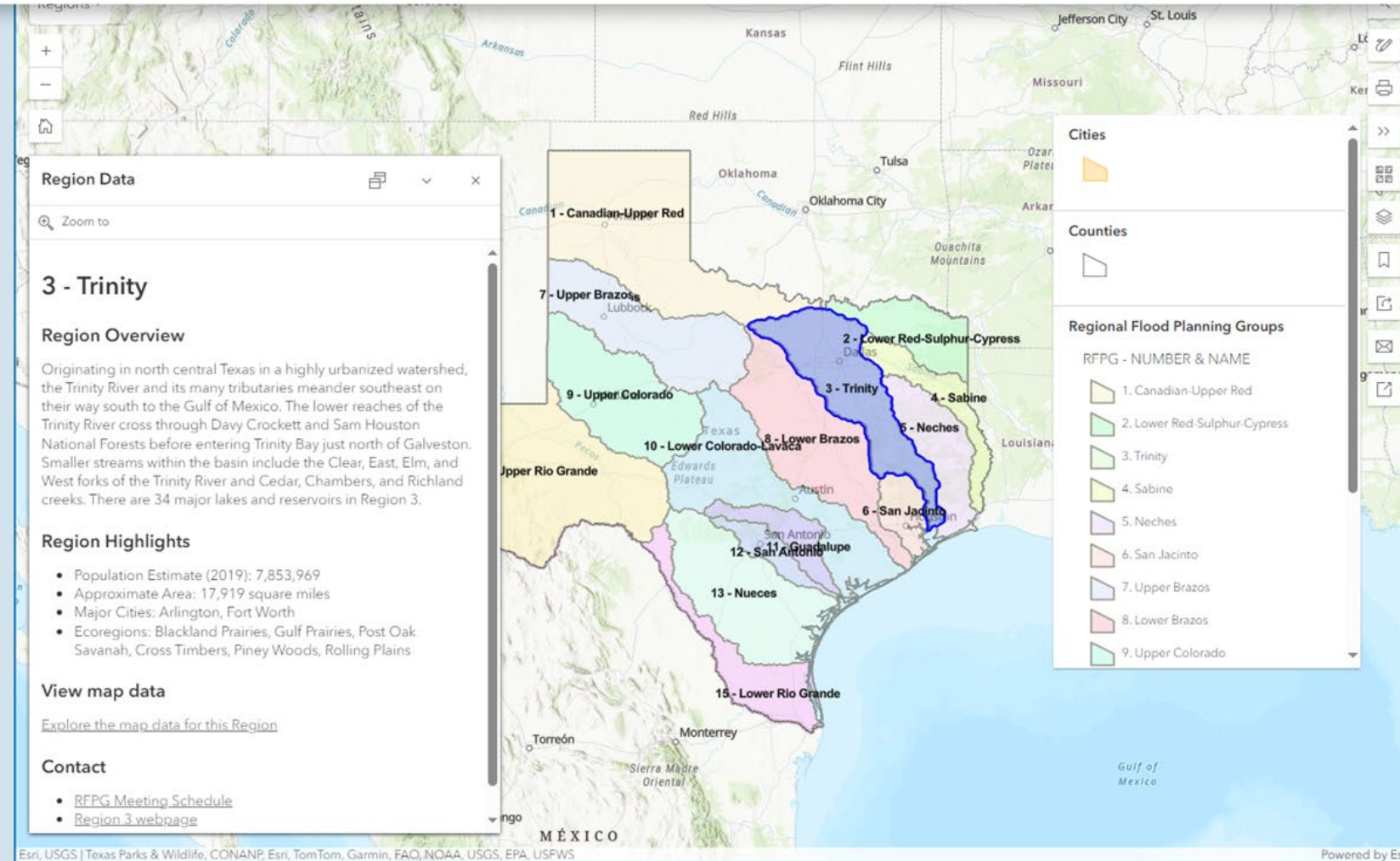
texasstatefloodplan.org

▶ [Read the 2024 State Flood Plan](#)

Interactive State Flood Plan Viewer

View and download the extensive dataset generated by the statewide flood planning program, including flood risk and recommended flood risk reduction solutions.





Region Data

Zoom to

3 - Trinity

Region Overview

Originating in north central Texas in a highly urbanized watershed, the Trinity River and its many tributaries meander southeast on their way south to the Gulf of Mexico. The lower reaches of the Trinity River cross through Davy Crockett and Sam Houston National Forests before entering Trinity Bay just north of Galveston. Smaller streams within the basin include the Clear, East, Elm, and West forks of the Trinity River and Cedar, Chambers, and Richland creeks. There are 34 major lakes and reservoirs in Region 3.

Region Highlights

- Population Estimate (2019): 7,853,969
- Approximate Area: 17,919 square miles
- Major Cities: Arlington, Fort Worth
- Ecoregions: Blackland Prairies, Gulf Prairies, Post Oak Savannah, Cross Timbers, Piney Woods, Rolling Plains

View map data

[Explore the map data for this Region](#)

Contact

- [RFPG Meeting Schedule](#)
- [Region 3 webpage](#)

Cities

Counties

Regional Flood Planning Groups

RFPG - NUMBER & NAME

- 1. Canadian-Upper Red
- 2. Lower Red-Sulphur-Cypress
- 3. Trinity
- 4. Sabine
- 5. Neches
- 6. San Jacinto
- 7. Upper Brazos
- 8. Lower Brazos
- 9. Upper Colorado

State Flood Plan

Region 3: Trinity

Existing Flood Risk
(in 1 percent and 0.2 percent annual chance flood hazard areas)

	1,006,200 Population		158,300 Buildings
	1,352,600 Agricultural land (acres)		6,000 Roadway miles
	122,000 Residential buildings		240 Critical Facilities*

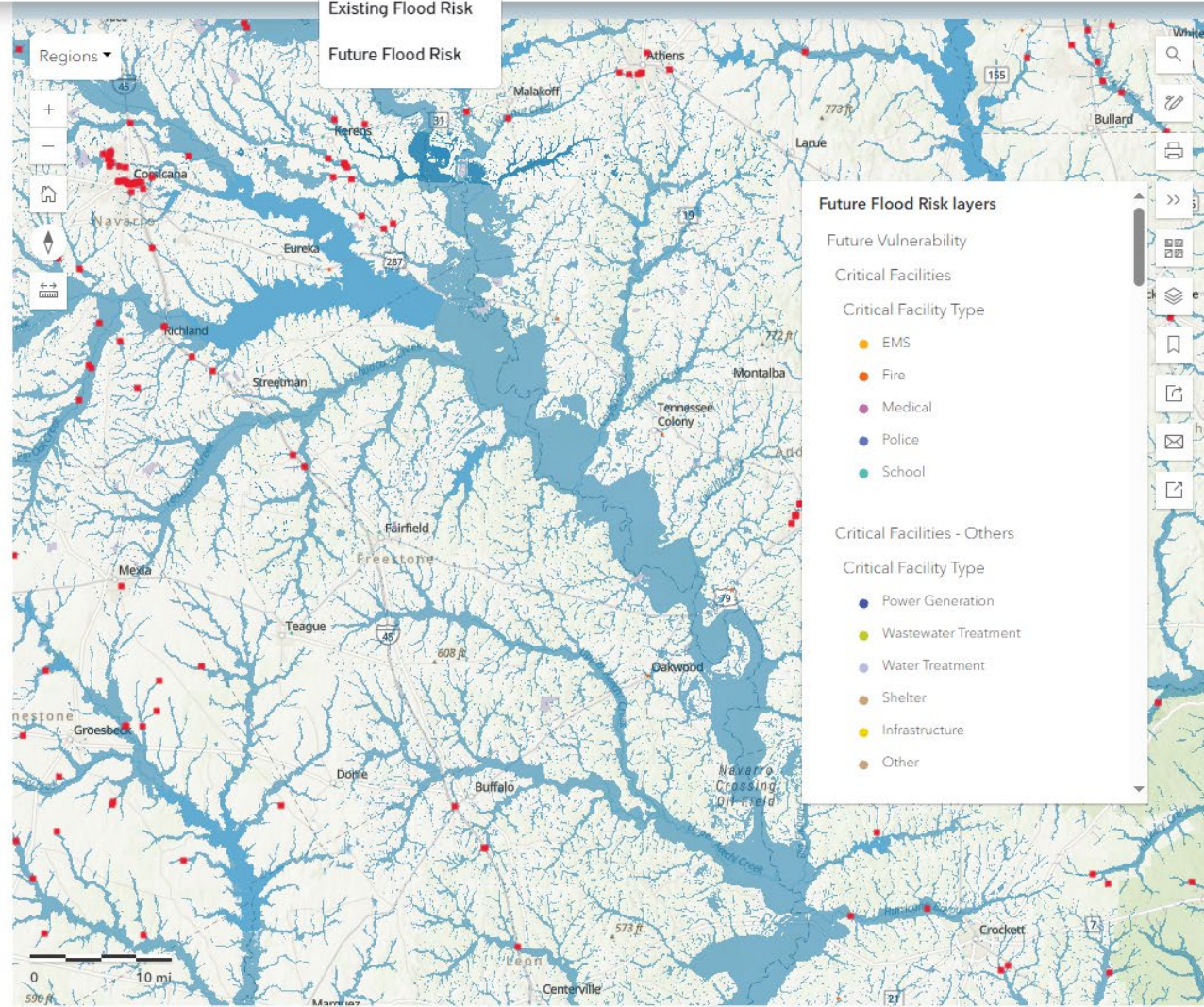
Recommended Studies, Projects and Strategies**

Flood management evaluations (507)	\$220.56M
Flood mitigation projects (56)	\$703.47M
Flood management strategies (138)	\$745.41M

Total count (701)
\$1.67B

*Hospitals, emergency medical services, fire stations, police stations, and schools

**Due to rounding, numbers presented may not add up precisely to the totals provided and percentages may not precisely reflect the absolute figures.



Key stats

Statewide

Total count of low water crossing	10,250
Total count of structures	2,653,800
Total count of residential structures	2,159,800
Total count of roadway crossings	101,600
Total square miles of 1 percent floodplain	62,100
Total square miles of 0.2 percent floodplain	12,700
Total square miles of unknown floodplain	500
Total square miles of agricultural land	15,786,780
Total miles of impacted roadways	89,000
Total population of impacted structures	8,757,800
Total count critical facilities*	10,293

*Hospitals, emergency medical services, fire stations, police stations, and schools

**Due to rounding, numbers presented may not add up precisely to the totals provided and percentages may not precisely reflect the absolute figures.

+ Future flood hazards

+ Future exposure

+ Future vulnerabilities

- Flood Management Evaluations
- Flood Mitigation Projects
- Flood Management Strategies

View the recommended flood risk reduction solutions submitted to the TWDB during the 2020-2023 planning cycle.

Field	Value
FME ID	031000010
FME Name	Freestone County FEMA Mapping
FME Description	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.
Region (RFPG) Number	3
Region (RFPG) Name	Trinity
County	Freestone
HUC 8	12030201, 12070103, 12030105, 12030108
HUC 10	1203020103, 1203020106, 1203020101, 1203020104, 1203010505, 1203020107, 1203010804, 1203020105, 1207010303
HUC 12	
Watershed ID	
Associated Goal ID	03000005, 03000006

Flood management evaluations

Flood management evaluations are proposed studies of a specific flood-prone area in order to assess the level of flood risk and/or determine whether there are potentially feasible flood mitigation projects or flood management strategies. Examples of common flood management evaluations include:

- Watershed planning
- Hydrologic and hydraulic modeling
- Flood mapping
- Regional watershed studies
- Preliminary engineering (up to 30% design)
- Flood preparedness studies

Flood management evaluations can be viewed by selecting the *Flood Management Evaluations (FME) - Recommended* layer from *Map Layers*.

Region 3: Trinity	
Total count of recommended FME	507
Total cost of recommended FME	\$220.56M

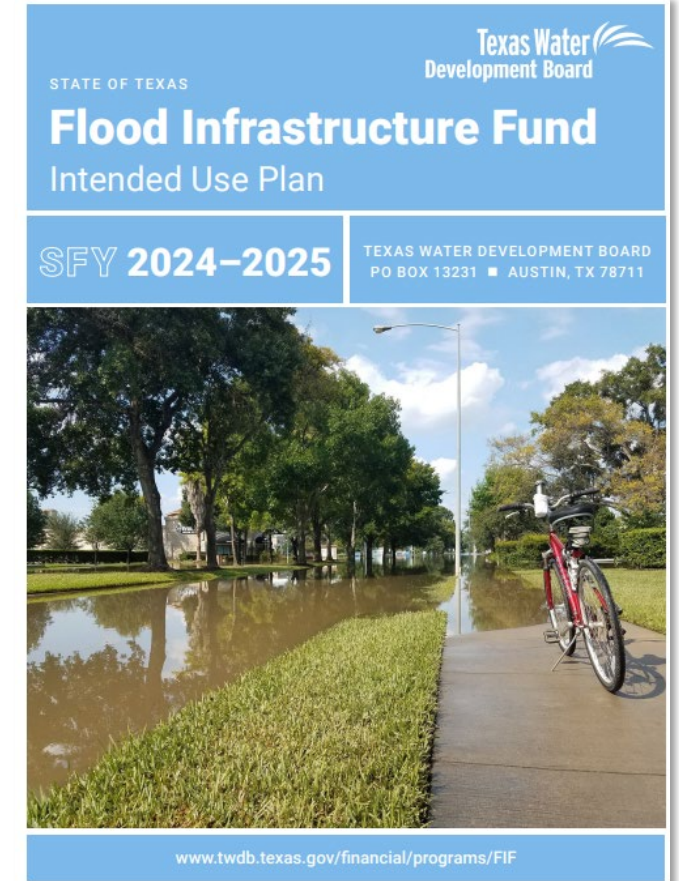
FME = Flood management evaluation

*Due to rounding, numbers presented may not add up precisely to the totals provided and percentages may not precisely reflect the absolute figures.

- + Flood mitigation projects
- + Flood management strategies
- + Solutions with flood and water supply benefits

2024-25 Flood Infrastructure Fund (FIF)

- 2024-2025 FIF
 - **\$375 million** funding dollars anticipated to be available during 2024-2025 cycle
 - Only FMXs within the State Flood Plan were eligible for submittal
 - **FIF Abridged Applications** were due April 15, 2024
 - Qualifying “FMX”s will be scored and prioritized
 - FMS prioritization list has already been published
 - Top scoring FMXs will be sent invitation to submit complete financial assistance applications



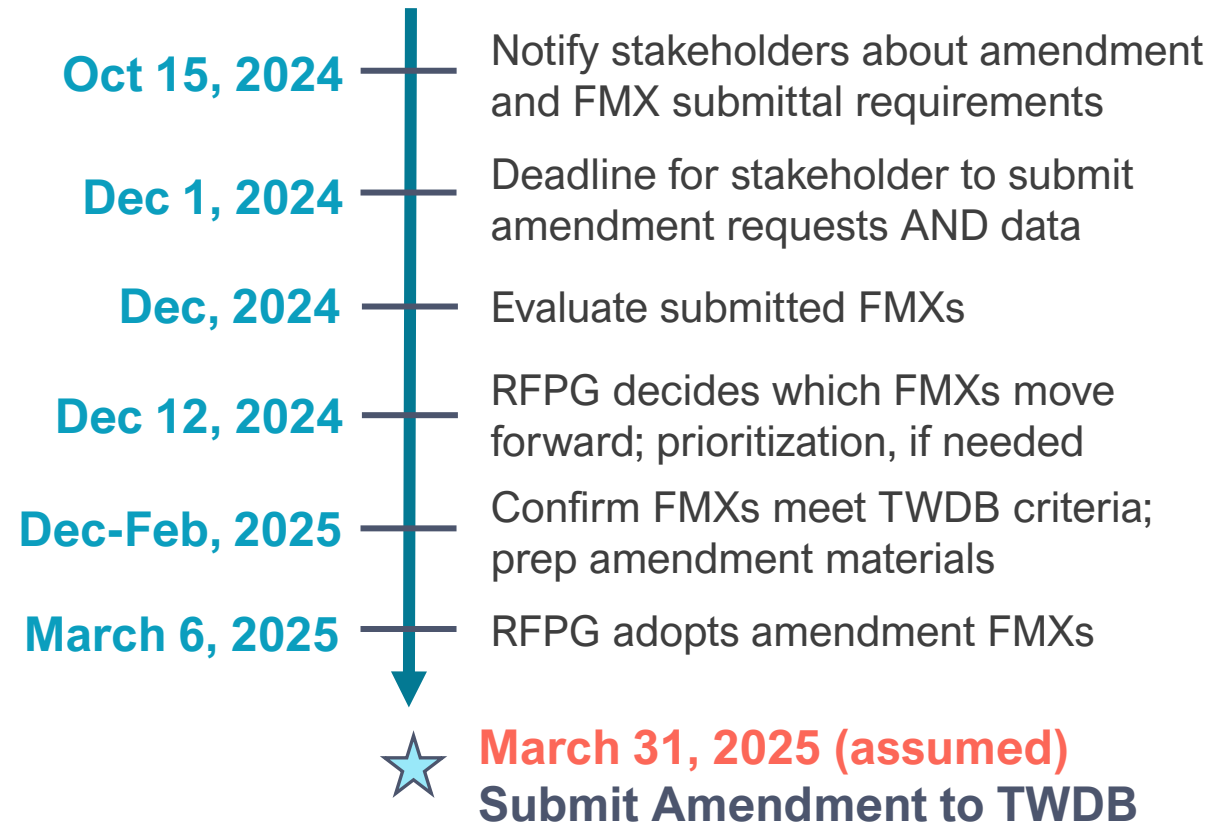
An underwater photograph showing the surface of the water with gentle waves and bubbles. The scene is captured from below, looking up towards the surface. The water is a deep teal color, and the light from above creates a soft glow on the surface.

Amendment Process

Amendment to 2023 Plan

- Up to 2 amendments at the discretion of the RFPG
- Effort to perform amendments uses budget allocated in Tasks 4A and 10
- TWDB deadline for amendments to be eligible for 2026-27 FIF funding is “Spring 2025”


Proposed Amendment 1 Schedule





Proposed Amendment Qualifications

- Sponsor intends to submit FIF application in Dec 2025
- Sponsor has **ALL** TWDB-required elements (tables, maps, models, geodatabase, cost estimate, BCA, project description, RFPG goal(s) met, no negative impacts, etc.)
- Submittals received without these elements will be considered for inclusion in 2028 Plan

The background of the slide is an underwater photograph showing the surface of the water with gentle ripples and light filtering through from above. The overall color palette is a range of blues, from light turquoise near the surface to a darker, muted blue at the bottom.

2028 Regional Flood Plan Overview

2028 Flood Plan Task Overview

Task 1 – Planning Area Description

Task 2A – Existing Conditions Flood Risk Analysis

Task 2B – Future Conditions Flood Risk Analysis

Task 3A – Floodplain Management Practices

Task 3B – Flood Mitigation Needs Analysis

- Previously Task 4A

Task 3C – Flood Mitigation and Floodplain Management Goals

- Previously Task 3B

Task 4A – Identification and Evaluation of Potential FMXs

- Previously Task 4B

Task 4B – Prepare and Submit Technical Memorandum

- Previously Task 4C

Task 4C – Performance of Identified FMEs

- Previously Task 12



FME

Flood Management Evaluation



FMP

Flood Mitigation Project



FMS

Flood Management Strategy

2028 Flood Plan Task Overview

Task 5A – Recommendation of FMXs

Task 5B – Recommend a List of FMEs to be Performed by TWDB

- **NEW TASK:** Identify FMEs for TWDB to perform. Develop estimated scope and fee associated with each FME and provide TWDB with relevant information.

Task 6A – Impacts of Regional Flood Plan

Task 6B – Contributions/Impacts on Water Supply

Task 7 – Flood Response Information and Activities

Task 8 – Admin, Regulatory, and Legislative Recommendations

Task 9 – Flood Infrastructure Financing Analysis

Task 10 – Public Participation and Plan Adoption

Task 11 – Implementation and Comparison to Previous Flood Plan

- **NEW TASK:** Describe changes since the previous cycle and progress intended to be made in upcoming years.



FME
Flood Management Evaluation



FMP
Flood Mitigation Project



FMS
Flood Management Strategy



2028 Scope of Work Changes

- Task 1
 - Definition of low water crossings has been provided. Low water crossings will be analyzed separately from other flood infrastructure.
- Tasks 2A and 2B
 - All Task 2 analyses (flood quilt, flood risk, and vulnerability assessments) will now include metrics for the 10% ACE along with the 1 and 0.2%.
 - Additional context has been provided on how levee and dam protected areas should be analyzed.
 - Consideration of future development conditions will be left up to RFPG discretion.
- Task 4
 - FMPs and FMSs that avoid or prevent future flood risk can be evaluated and recommended within the Regional Flood Plan.



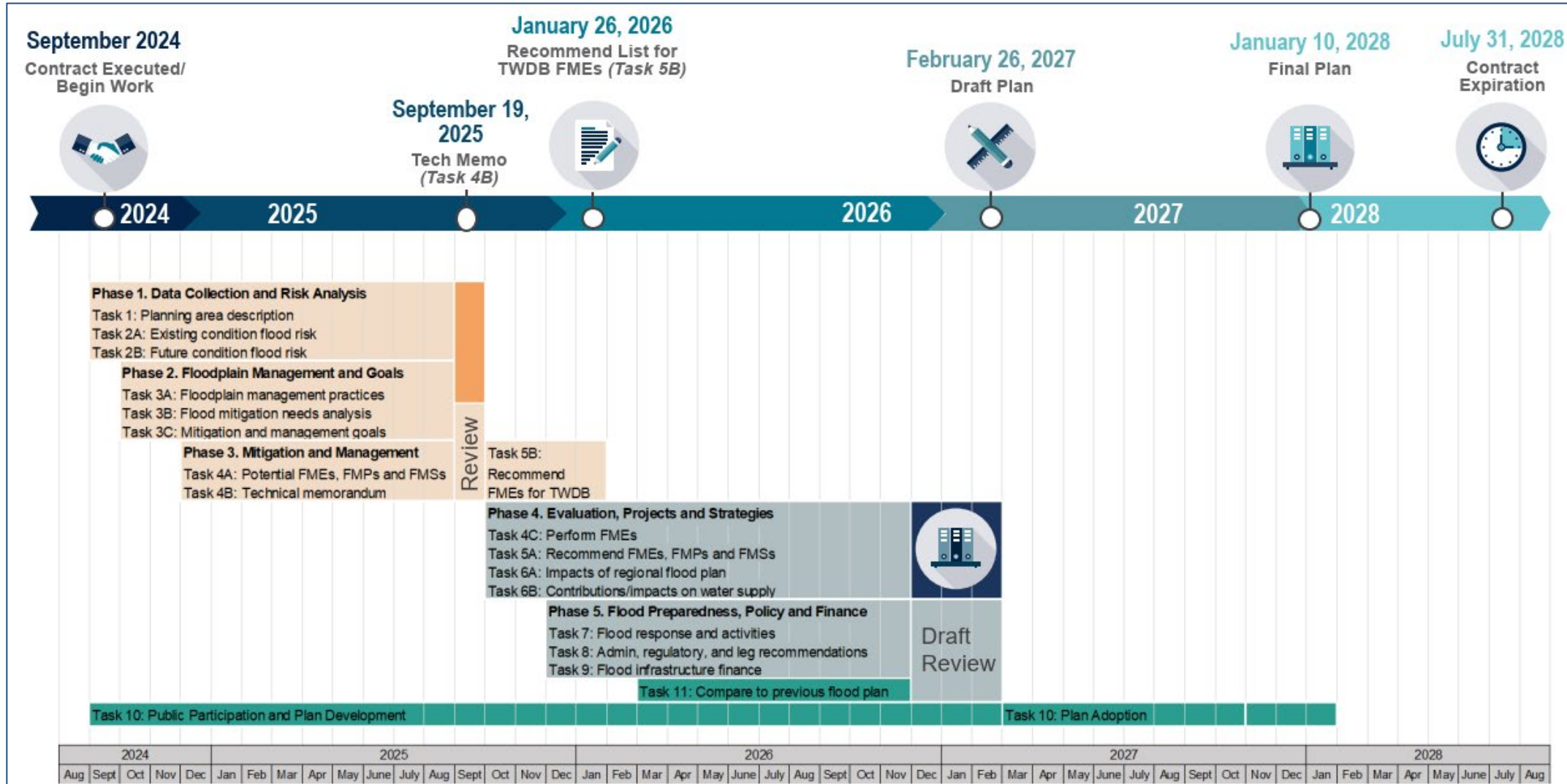
Updated Data Collection Tool

- In-progress
- Simplify and condense information request
 - Remove
 - Backgrounder page
 - Flood history
 - Unnecessary questions
 - Data upload platform (coordinate with Halff directly)
 - Reduce number of interactive maps from 8 to 2 maps
- Public side and entity side

The background of the slide is a deep teal color with a wavy, rippling surface line that separates the top and bottom halves, resembling water. The text is centered in the lower half of the image.

Proposed Schedule

Project Schedule



The background of the slide is a deep teal color with a wavy, rippling surface line that separates the top and bottom halves, resembling water. The text is centered in the lower half of the image.

Proposed Outreach Program



Public Participation: Outreach and Engagement

- Cooksey Team:
 - Colby Walton, CEO
 - Dorothy White, Assistant Vice President (team lead)
 - Owen Ramsey, Account Executive

Public Participation – Ongoing Efforts

MAINTENANCE

1. Region 3 website
2. List of regional stakeholders, interested parties
3. Record of public comments

OUTREACH

1. Social media, such as X (Twitter)
2. Public meeting postings and advertisements
3. Media advisories

COMMUNICATION

1. Public comment intake, acknowledgement
2. E-notifications for key public input milestones
3. Presentation of public comments at RFPG meetings

Public Participation - Enhancements

Update
Outreach
List

- Stakeholders
- Interested parties
- Media

New
Website
Content

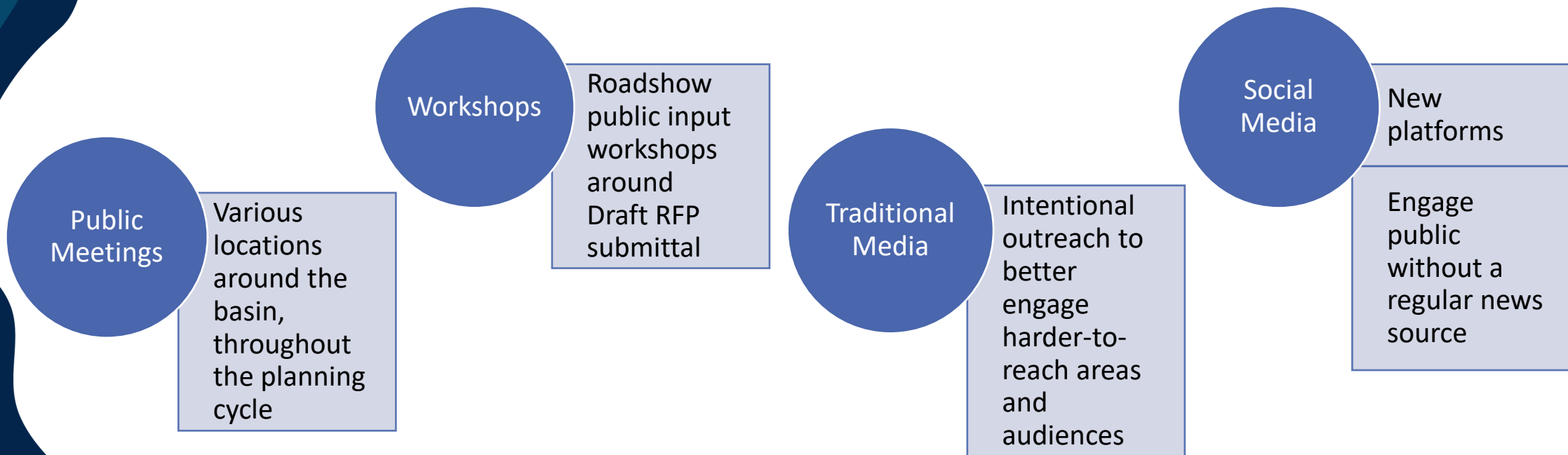
- Link to State Flood Viewer
- Update FAQs
- Accessibility Enhancements

Educational
Resources

- Community meeting slide deck
- Printed handouts

Public Participation – Other Considerations

- Timeline and process for 2023 Plan amendments and addenda
 - Preparing to implement (mid-Oct.?) website updates, e-blasts, X posts, media outreach, etc. to support these efforts
- Potential tactics for 2028 Plan public participation activities





Public Participation

- Ensure that public understanding is enhanced, and that public input is:
 - Encouraged
 - Received
 - Duly considered
 - Incorporated appropriately in the Plan

LOOK-AHEAD

October 2024

- Pre-Planning Meeting (today)

November

- No meeting

December

- Selection of FMXs to advance through amendment process
- Data collection tool implementation (tentative date)

January 2025

- No meeting

February


- No meeting

March

- Amendment approval (assumed amendment deadline)



9. Updates from adjoining coastal regions



10. Updates from Planning Group Sponsor



11. TWDB Pre-Planning

Pre-Planning Meeting Background

- Provide background on regional flood planning process
- Gather suggestions and recommendations as to issues, provisions, projects and strategies that should be considered in development of the regional flood plan





12. General public comments

Limit 3 minutes per person



13. Announcements



14. Meeting date for next meeting



15. Agenda items for next meeting



16. Adjourn