



Region 3 Trinity Flood Planning Group Meeting
Wednesday, December 11, 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/4eTOMH2>

or via phone at 1-408-418-9388 access code 249 569 80616

Webinar number: 2495 698 0616

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. Amendment requests for 2023 Region 3 Trinity Regional Flood Plan
 - i. Requests received
 - ii. *Consider approval of FMX amendment requests for further review
 - b. 2028 Regional Flood Plan Update
 - i. Task 1 Planning Area Description Update

- ii. *Consider approval of use of Data Collection Tool
- iii. Task 2 Existing and Future Conditions Flood Risk Analyses Update
- iv. Outreach update
- c. Project schedule
- 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. Member terms
 - b. *Establish Nominating Committee
- 11. Receive registered general public comments – limit 3 minutes per person
- 12. Announcements
- 13. Confirm meeting date for next meeting
- 14. Consider agenda items for next meeting
- 15. 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 December 11, 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 S. Collins St., Arlington, TX 76018



December 11, 2024





1. Call to order



2. Roll call



3. Approval of minutes

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

The Region 3 Trinity Flood Planning Group convened a public meeting, in person as well as virtual, on Friday, October 4, 2024, 9:00 a.m.
Chairman Glenn Clingenpeel opened the meeting at 9:02 a.m.

Voting Members Present:

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

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

Ex Officio Members Present:

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

Approval of the Minutes of the July 11, 2024, Meeting

Motion: Galen Roberts

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 highlighted the recent email distribution of the updated timeline and documents for the amendment process, with a new deadline set for April 1, 2025. Supporting materials, including required amendment documents and spreadsheets, were sent out to guide submissions. Additionally, a discussion clarified that the TWDB advance sent to TRA refers to working funds allocated to cover administrative expenses, including consulting fees. The timing of amendment submissions, which integrates into the state water plan, was noted as essential for FMX sponsors seeking funding eligibility, with more details to follow.

Update from the Policy Subcommittee – Rachel Ickert, TRWD

No updates were provided.

Updates from Region 3 Technical Consultant – Stephanie Griffin, Halff

Stephanie Griffin, Halff, provided an update. The meeting covered several key topics. The consultant team introduced their members and shared updates, including minor personnel changes. The agenda included updates on the state flood plan, an overview of the 2028 plan content, details of the amendment process, the proposed project schedule, and planned public outreach efforts. The team expressed appreciation for being selected to continue their roles, with the same project manager and deputy project manager leading. Additional team members were introduced, and attendees were informed they would be more involved throughout the planning process.

a. Technical consultant team – Stephanie Griffin, Halff

The Technical Consultant Team will include:

- Stephanie Griffin, Halff, Project Manager
- David Rivera, Freese and Nichols, Deputy Project Manager
- Cooksey Communications

- Fang Research Group, Water Resources, The University of Texas at Arlington
- Nathan D. Maier, Consulting Engineers, Inc.

b. State Flood Plan updates – Stephanie Griffin, Halff

The TWDB has incorporated data from all 15 regional flood plans submitted in July 2023 into the state flood plan. The plan was approved on August 15 by the TWDB board of directors, and an interactive web viewer has been launched for public access at TexasStateFloodPlan.org, offering users options to view the flood plan in PDF format or interactively by watershed. The web viewer provides information on future flood risk, recommended solutions, and details on studies (FMEs), projects (FMPs), and strategies (FMSs). There was some discussion on the GIS detail level in the viewer, with acknowledgment that data on finer details like culvert sizes might not be available due to challenges in maintaining updated data.

\$375 million dollars is available for funding in the 2024-2025 Flood Infrastructure Fund (FIF) cycle, and only FMX items included in both the regional and state flood plans are eligible for this funding. The FIF application process involves a two-step submission, with the preliminary abridged application due on April 15, 2024; top scoring full applications will be invited by TWDB to submit complete financial assistance applications.

Craig Ottman, TRWD, confirmed they have submitted an application to the TWDB for FIF funding and noted they are waiting for further updates on scoring progress. Mr. Ottman inquired if there was any information on the completion date for FIF scoring, citing delays and uncertainty.

Katie Koslan, TWDB, stated that FMS full application invitations would be issued within the next month. FME and FMP abridged applications were still being reviewed for eligibility, but the ranked list for those will go out for public comment before the end of the year.

c. Amendment process for Regional and Statewide Flood Plans – Stephanie Griffin, Halff

The amendment process proposed by the consultant team was created to address both statutory deadlines and practical limitations with consideration of the requirements of the Texas Open Meetings Act, and in alignment with the TWDB guidance. The TWDB has set a date of April 1, 2025 for RFPGs to submit amendments for consideration. There is a two-amendment limit for the current regional flood planning cycle, although additional modifications could be made without state reimbursement.

Key dates include an October 15, 2024 notification to stakeholders soliciting FMXs for inclusion into the amendment, a December 1, 2024 deadline for FMX submissions with supporting data to be received by the RFPG, and a December 11, 2024 review meeting. Priority will be given to

FMX submissions providing all required information (Tier 1) and from entities intending to pursue FIF-cycle funding. Given limited time and resources, prioritization will focus on well-prepared submissions with necessary documentation, such as benefit-cost ratios, to avoid deferring projects to future cycles.

Ultimately, the TWDB has an early 2026 amendment review planned, with final adoption expected by summer or fall of 2026.

d. Project overview – Stephanie Griffin, Halff

The 2028 Regional Flood Plan development involves a structured approach similar to the previous 2023 plan, with 11 key tasks. Initial tasks cover descriptions of the planning area, existing and projected flood risks, and analyses of floodplain management practices. Chapter 5 will include submitting a list of FMEs to be performed by TWDB. Further, a new element will be the inclusion of an historical assessment to compare progress with the previous flood plan. Additionally, chapter 11 will include a retrospective evaluation of flood planning to incorporate past data and outcomes.

There was considerable discussion that emphasized the need to account for climate change and extreme weather patterns, including possible future conditions impacting flood risk. Although it was clarified that the plan is not meant to serve as a climate forecast, it aims to adaptively track and respond to trends, with a focus on establishing a dataset for ongoing assessment and adjustment of flood risks. Notably, NOAA's Climate Atlas 15, is expected to address climate change's effects on flood patterns, and may provide critical data for future planning cycles.

Other changes to the 2028 Regional Flood Plan scope of work include specific considerations for low water crossings, which will now be analyzed separately, and additional Task 2 analyses to include smaller, more frequent flood events. Provisions for evaluating infrastructure, such as levees and dams, are also expanded. In Task 4, FMPs and FMSs that avoid or prevent future flood risk can be evaluated and recommended within the Regional Flood Plan. Finally, the Data Collection Tool will be simplified and have a public collection side and a government collection side.

e. Proposed project schedule – Stephanie Griffin, Halff

- September 2024 contract work commences
- September 19, 2025, Technical Memorandum is due to TWDB
- January 26, 2026 Recommended List of FMEs is due to TWDB
- February 26, 2027 Draft 2028 Regional Flood Plan is due to TWDB
- January 10, 2028, Final 2028 Regional Flood Plan is due to TWDB
- July 31, 2028, contract work concludes

f. Proposed outreach plan – Dorothy White, Cooksey Communications

The proposed outreach plan emphasized a comprehensive approach to engaging the public and soliciting stakeholder input in the flood planning process. The strategy includes:

- I. Website Management: Ongoing updates for relevant content, including public comment records and e-notifications, as well as new tools like links to the TWDB flood plan viewer and updated FAQs.
- II. Stakeholder Engagement: Updating the list of regional stakeholders and interested parties, along with intentional outreach to diverse and hard-to-reach communities. This includes maintaining public meetings, ensuring inclusivity, and capturing a range of public inputs.
- III. Social Media Strategy: Expanding beyond the platform “X” to include LinkedIn and possibly Instagram, Facebook, or Threads. A toolkit for partner entities was proposed to ensure consistent, wider-reaching messaging, especially on active, widely accessed channels.
- IV. Accessibility Enhancements: Addressing upcoming ADA requirements to ensure the website’s inclusivity for all public users.
- V. Geographical Inclusivity of Meetings: In response to group input, there was a strong consensus for hybrid meetings that also rotate locations across the basin, especially in areas where resources for project completion are limited, like the southern region. While this presents technical challenges, rotating meeting locations is considered vital to fostering inclusivity and addressing potential perceptions of regional neglect.
- VI. Strategic Goals: Overall, the outreach plan’s goal is to ensure transparency, drive public engagement, and encourage stakeholder entities to contribute, thus fostering comprehensive regional flood planning.

Stephanie Griffin, Halff, provided a 6 month look ahead and an overview on the outreach plan to solicit FMXs for the amendment:

- October 2024 – Pre-Planning Meeting
- November 2024 – No RFPG Meeting
- December 2024 – RFPG Meeting to discuss selection of FMXs to advance through amendment process and approve the release of the Data Collection Tool
- January 2025 – No RFPG Meeting
- February 2025 – No RFPG meeting
- March 2025 – RFPG Meeting to approve amendment

The outreach plan involves creating an informational flyer detailing amendment submission requirements. This flyer will be distributed electronically to city and county officials, public works directors, water districts, and other relevant stakeholders, reaching approximately 1,500 recipients. RFPG members may add specific contacts, and the flyer will also be available on the website and shared on social media platforms, supplemented by a media advisory on the amendment

process, submission requirements, and deadlines.

Updates from liaisons for adjoining coastal regions

- a. Region 5 Neches RFPG: No updates were provided.
- b. Region 6 San Jacinto RFPG: Scott Harris provided an update. The next Region 6 meeting would be held on October 10th. An executive session was held in September.

Update from Planning Group Sponsor – Glenn Clingenpeel, TRA

- a. Status of contracts for second cycle of planning – Glenn Clingenpeel, TRA

The planning group sponsor confirmed that contracts for the second cycle are active and functioning smoothly, with the first allocation from TWDB received, which should result in more timely payments. However, during the previous cycle, there were significant delays with reimbursements—up to eight months in one case. This was largely due to issues such as overlapping invoices and the TWDB’s audit process, which took longer than expected. Personnel changes within the contracting and finance teams at TWDB also contributed to these delays.

Despite these challenges, the issues were resolved, and reimbursements were completed. The goal moving forward is to improve the efficiency of these processes to ensure more consistent and timely payments for the planning group.

- b. Member attendance and excessive absenteeism – Glenn Clingenpeel, TRA

The group discussed issues surrounding attendance, noting one member who has attended only one meeting since 2023, with no attendance in 2024. The Region 3 Regional Flood Planning Group bylaws allow action on members who miss three or more consecutive meetings, which the absent member has significantly exceeded. The RFPG members agreed that this level of absenteeism represents a lapse in commitment, depriving their stakeholder group of representation.

The planning group sponsor will notify the individual of potential action to be considered at the next meeting. Additionally, a replacement is needed for an additional member who has moved out of state but has maintained good attendance; this replacement will be coordinated with the June 2025 re-election of members with two-year terms. The nominating committee will reconvene if necessary to fill vacancies.

Second Cycle Pre-Planning Meeting (pursuant to Texas Water Code §16.062(d) and Texas Administrative Code RULE §361.21(h)) – Glenn Clingenpeel, TRA

A pre-planning meeting, required at the beginning of the flood planning process, was conducted to allow both public and planning group members to offer suggestions, recommendations, and raise any concerns regarding the upcoming planning cycle. Although the work plan is largely fixed, this meeting provided an opportunity for any input on process direction. No additional suggestions were presented, and the meeting requirement was successfully completed.

Receive registered public comments – limit 3 minutes per person

No registered public comments were received.

Announcements

Lissa Shepard, Dallas County, announced that the Dallas County Inland Port Flood Planning Project is set to hold a public meeting, as required by the TWDB, on November 20 at 6 p.m. at the Cedar Valley campus of Dallas Community College in Lancaster. This planning project, which functions similarly to a large Flood Mitigation Evaluation (FME), aims to identify specific Flood Mitigation Projects (FMPs) and Flood Mitigation Strategy Scenarios (FMSs). The team has been actively working on these elements, and the public meeting will serve as an opportunity to share progress and gather community input.

Greg Waller, National Weather Service, announced that the NWS is expanding its role, particularly in climatology, to support water decision-making. In collaboration with river authorities, Tarrant Regional Water District and others, NWS has been working to assist water supply entities with lake management, initially due to low water levels and then for flood operations as lake levels rose. NWS now conducts weekly climate outlooks focused on aiding water supply organizations, including a closed 12–15 minute briefing for river authorities from the Sabine to the lower Colorado regions. These sessions provide timely climate updates and regional status reports. If any RFPG members would like to join the status updates, please contact Greg Waller.

Matt Lepinski, US Army Corps of Engineers, announced that the USACE Hydrologic Engineering Center has publicly released the [HEC-RAS 2025 Alpha version](#), featuring a complete redesign with a modernized interface, marking the culmination of over five years of development. This update significantly upgrades the user experience, similar to the transition from ESRI ArcMap to ESRI ArcPro. A live public webinar on Friday, October 11, will provide further insights. Interested individuals can register on the HEC website. A recording has been made available on [YouTube](#).

Sue Alvarez, North Central Texas Council of Governments (NCTCOG), announced that [the Integrating Transportation & Stormwater Infrastructure \(TSI\)](#) effort has recently achieved two key milestones: the completion of several sub-regional meetings across the North and West areas and the acquisition of General Land Office funding for the North area. Contracting for the North region is currently underway.

Matt Lepinski, USACE, elaborated on the TSI project. The TSI project focuses on proactive, integrated planning for the western DFW metroplex, addressing stormwater management, transportation, and environmental planning needs through 2070. Current efforts include conducting advanced hydrology and hydraulics (H&H) modeling, adding detail to flood risk management, and incorporating infrastructure data, such as TxDOT bridges and culverts, into the analysis. This approach aims to avoid duplicative efforts and align with Region 3 flood planning initiatives funded by the TWDB. By incorporating tools like optimization studies, the project identifies high-priority infrastructure upgrades, including bridges and crossings, as well as adding green infrastructure elements. These efforts aim to provide the region with long-term resilience and efficiency in stormwater and transportation planning. TSI will deliver complementary projects to the Region 3 RFPG for inclusion in the 2028 regional flood plan.

Sue Alvarez, NCTCOG, added that a key focus in the TSI project is identifying optimal locations for water storage by using insights from area-specific meetings. For example, Weatherford identified a low-lying area initially considered for wastewater polishing but potentially beneficial for stormwater storage.

Glenn Clingenpeel, TRA, summarized that this integrated approach seeks to maximize efficiency for road crossings and storage, aiming to reduce long-term costs by consolidating stormwater and transportation planning. This holistic method aims to prevent redundant infrastructure updates and foster more effective, comprehensive planning.

Confirm meeting date for next meeting

Wednesday, December 11, 9 a.m. at the Trinity River Authority

Thursday, March 6, location to be determined

Consider agenda for next meeting

RFPG voting member attendance

Adjourn

11:02 a.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 OCTOBER 4, 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. Policy Subcommittee Update



8. Consultant update



Agenda

1.

2.

3.

4.

CONSULTANT UPDATE

- 2023 Flood Plan amendment requests
- Introduction and overview, Chapter 1
 - Data collection tool and survey process demonstration
- Introduction and overview, Chapter 2
 - Future conditions approach
- Public outreach updates
 - Public outreach overview
 - Website
- Project schedule

An underwater photograph showing the surface of the water with gentle ripples and light reflections. The water is a deep teal color, and the surface is slightly wavy, creating a textured appearance. The lighting is soft, coming from above, creating a serene and slightly mysterious atmosphere.

2023 Flood Plan amendment requests

Amendment Requests - Summary



9 FMEs
9 Entities Submitting



38 FMPs
9 Entities Submitting



FMSs – 6 received
2 Entities Submitting

- Received items have not been reviewed in entirety.
- Some FMP submittals will require additional information or will be included as FMEs.
- Submittals will be reviewed over the coming weeks to confirm substantial completion.



Amendment Requests - FMEs

- City of Arlington Johnson Creek JC-2 Floodplain Buyout
- City of Buffalo Master Drainage Plan
- City of Centerville Master Drainage Plan
- City of Crowley Drainage Master Plan
- City of Sansom Park Drainage Master Plan
- NCTCOG with The Nature Conservancy – Upper Trinity Basin Nature-Based Solutions Project Identification and Prioritization



Amendment Requests - FMPs

- City of Arlington
 - Johnson Creek – JC-12 buyouts
 - Johnson Creek – Collins & Division St buyouts
 - Johnson Creek – Pioneer Pkwy and Arkansas Ln buyouts
 - Johnson Creek – JC-10 buyouts
- City of Everman
 - Barron Ave & Porter St drainage improvement project
 - E Enon Ave & Forest Hill drainage improvement project
 - Race St & Christie Ave drainage improvement project
- City of Forest Hill
 - Regional detention



Amendment Requests - FMPs

- Chambers County (11)
 - Tri City Cutoff Gully Improvements
 - Frazier Gully culvert improvements
 - Spring Branch drainage improvements
 - Hankamer drainage improvements
 - Spring Creek Gully detention
 - Hackberry-Gully Channel improvements
 - FM 3180 improvements
 - Skylane Gully improvements
 - Old River/Cove Channel improvements
 - Old River Tributary OR116-10-00 Crossing FM 565 north of I-10
 - Old River Tributary OR121-10-00 Crossing FM 565 north of I-10



Amendment Requests - FMPs

- City of Highland Park
 - W Potomac drainage improvements
 - Dartmouth drainage improvements
 - Airline drainage improvements
 - E Potomac drainage improvements
 - Lomo Alto drainage improvements
 - Douglas & Beverly drainage improvements
 - Wycliff transportation project
 - Hackberry Creek Phase 1
- Liberty County WCID #5
 - Main A conveyance and pump station improvements
 - Main B conveyance and pump station improvements
 - Ames and WCID #5 improvements




Amendment Requests - FMPs

- Liberty County
 - Sunset Heights Neighborhood and Downtown Dayton improvements
 - Lawrence Street improvements
 - Spinks Creek detention
- City of Mont Belvieu
 - Cherry Point Gully (CP100-00-00) improvements from Cherry Point Dr to SH 146
 - Cotton Bayou (CB100-00-00) improvements upstream of May Dr
 - Hackberry Gully regional detention gates
 - Ultimate development of Hackberry Gully in Mont Belvieu
- TRWD
 - Fort Worth Central City Flood Control Project
 - Mary's Creek Flood Control Reservoir Project



Amendment Requests - FMSs

- Chambers County
 - SE Texas R.A.I.N Gage Network Improvements
 - Community Rating System
 - Flood Model and Map Management System
 - Chambers County Property Acquisition Program
 - Chambers County Drainage Criteria Manual Update
- Liberty County WCID #5
 - Liberty County WCID #5 Drainage Criteria Manual Update



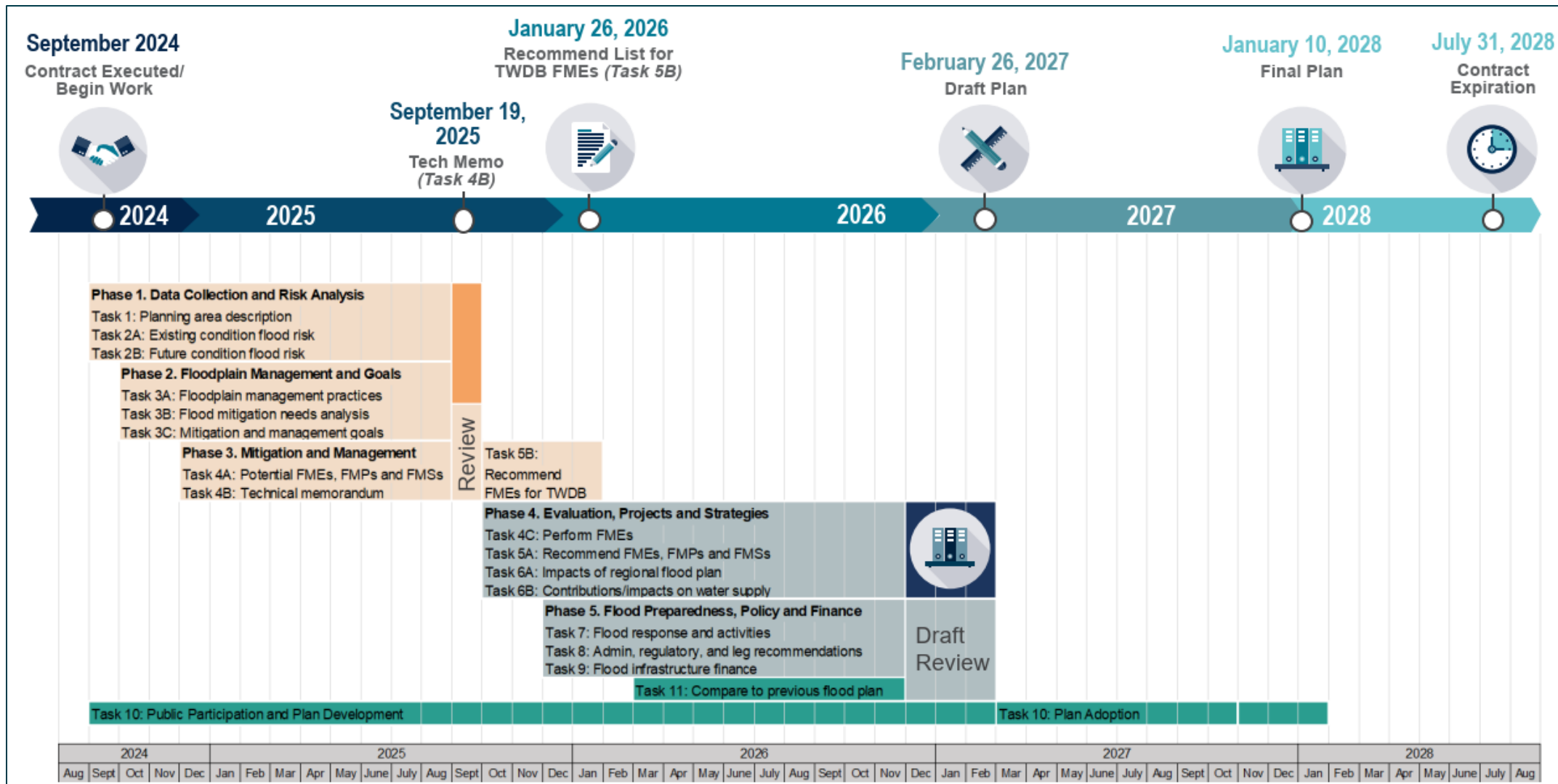
Consider approval of
FMXs for further review
and consideration in
the 2023 Regional
Flood Plan Amendment

The background of the slide is a deep blue, underwater scene. It features a wavy surface at the top, likely representing the water's surface, with light rays filtering down from above. There are small, faint bubbles or particles scattered throughout the water, creating a serene and slightly ethereal atmosphere.

Ch. 1 Introduction & Overview

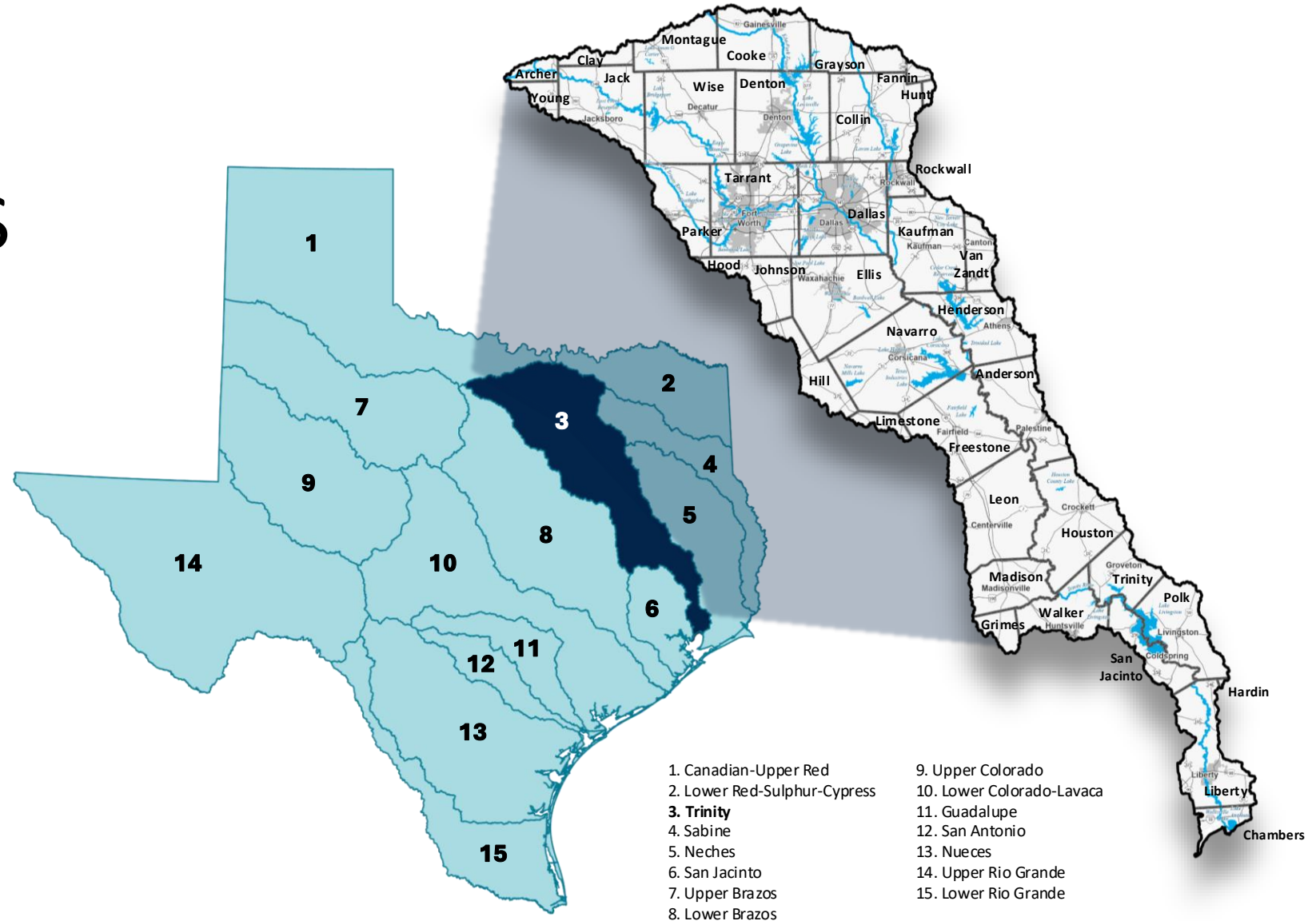
Planning Area Description

Project Schedule



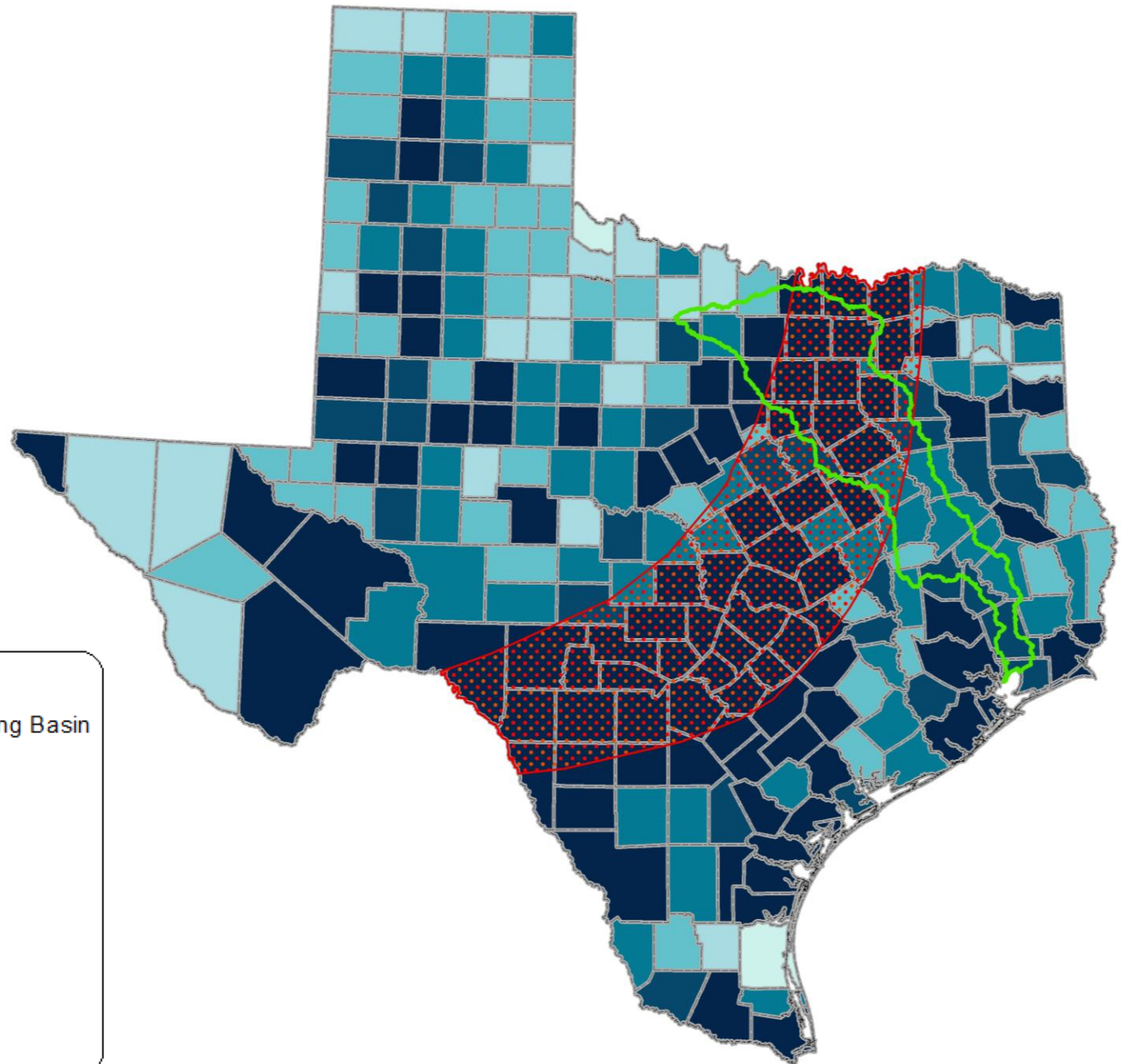
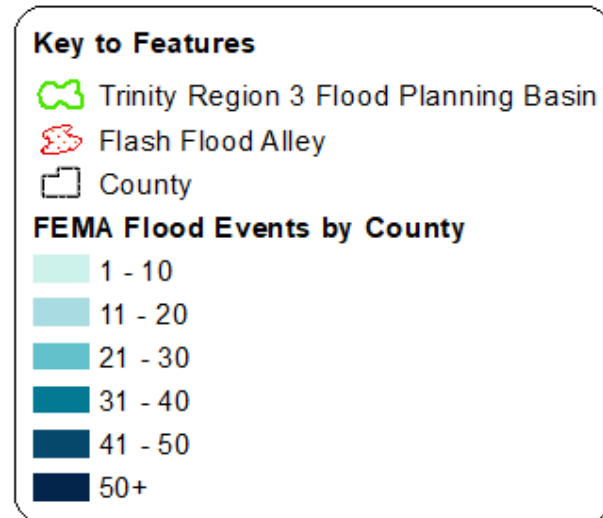
TRINITY REGION, BY THE NUMBERS

- 38 COUNTIES
- ~18,000 SQUARE MILES
- ~27% within the 1% annual chance flood event



TRINITY REGION, BY THE NUMBERS

- Documented storm events vs flash flood alley



Source – FEMA NOAA Storm Data (1996 - 2019)



TRINITY RIVER BASIN
FEMA FLOOD CLAIMS
(1988 – SEPT 2024)

Over **5,800**
Flood Claims

\$426.5 M
Flood Claims Paid

ANTICIPATED POPULATION
GROWTH

20+%

forecasted increase in population
between 2024 and 2050

AGRICULTURAL FLOOD LOSSES

Significant historical flood losses, most
recently 2015 and 2016

FLOOD-RELATED PRESIDENTIAL
DISASTER DECLARATIONS
(1966 – JULY 2024)

40

Major Disaster Declarations

6

Emergency Declarations

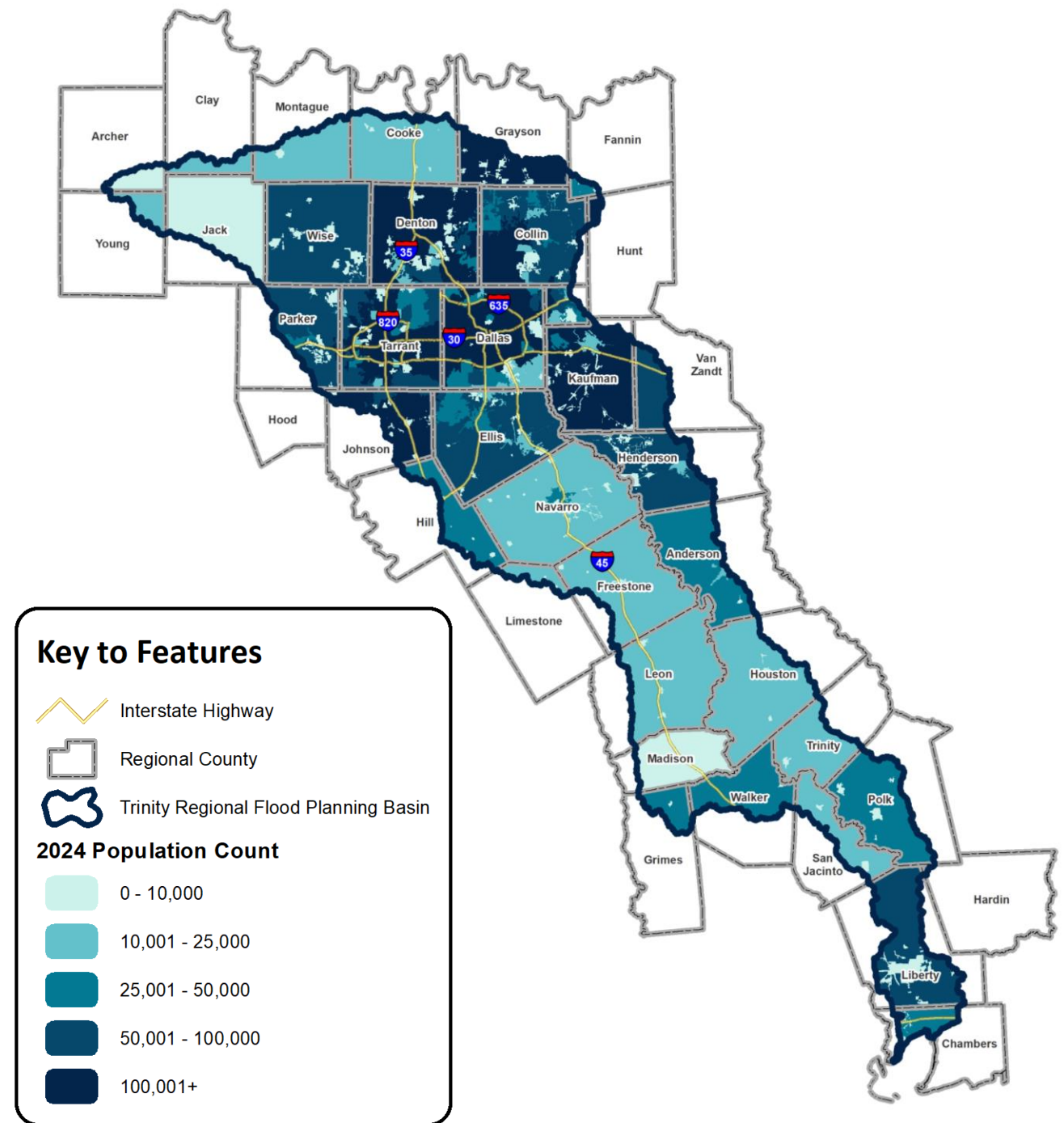
35% of Disaster Declarations and 50%
of Emergency Declarations have
occurred within the region since 2008

FLOOD EVENTS (1980-2024)

Over 150+ major flood events have
occurred in the last 25 years with
significant losses to life and property.

Community POPULATION (2024)

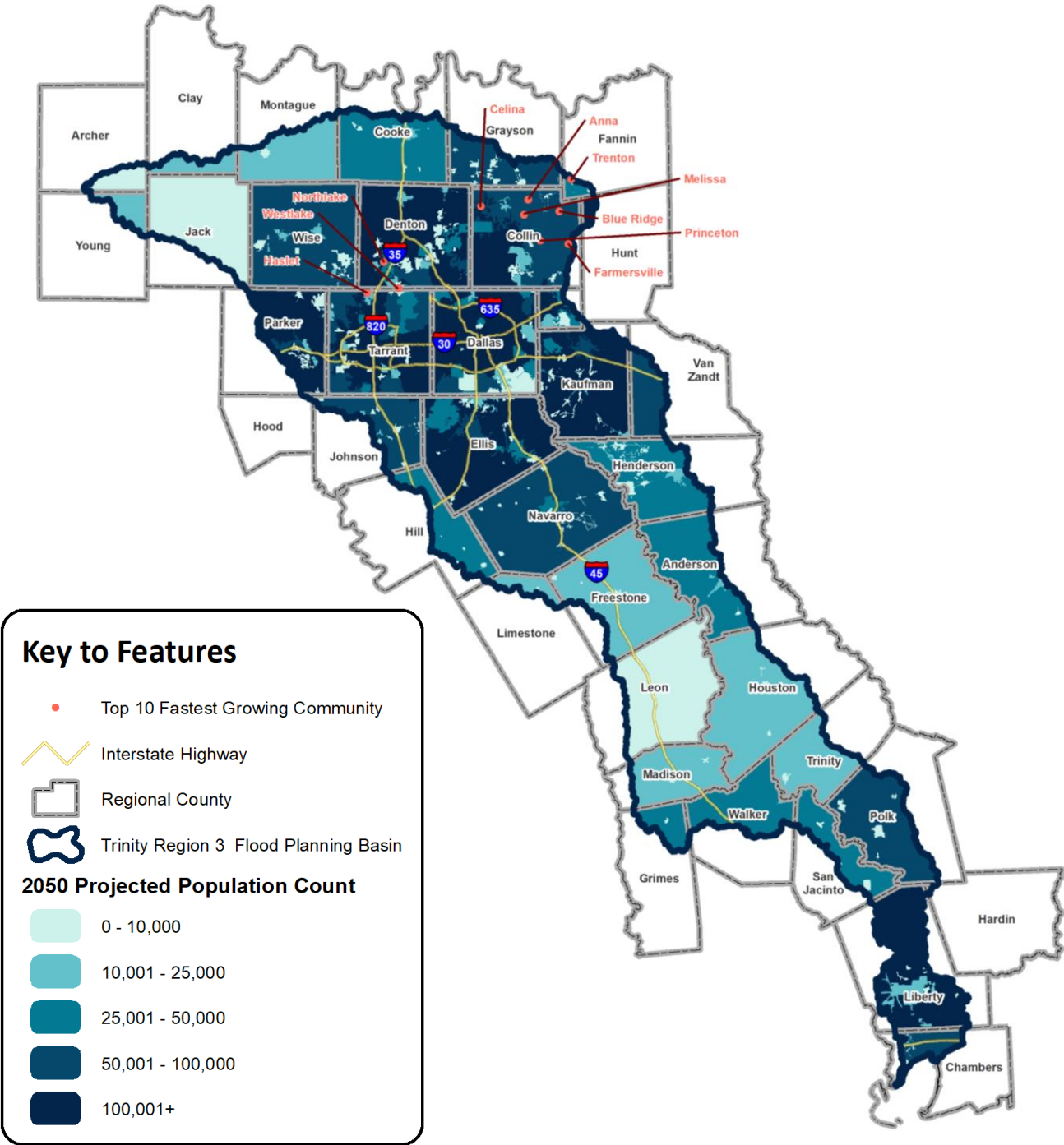
- Current population shows high concentration in the DFW Metroplex and a relatively even distribution down the basin.
- Understanding where people currently live and where populations are growing will help plan for current and future flood risk.



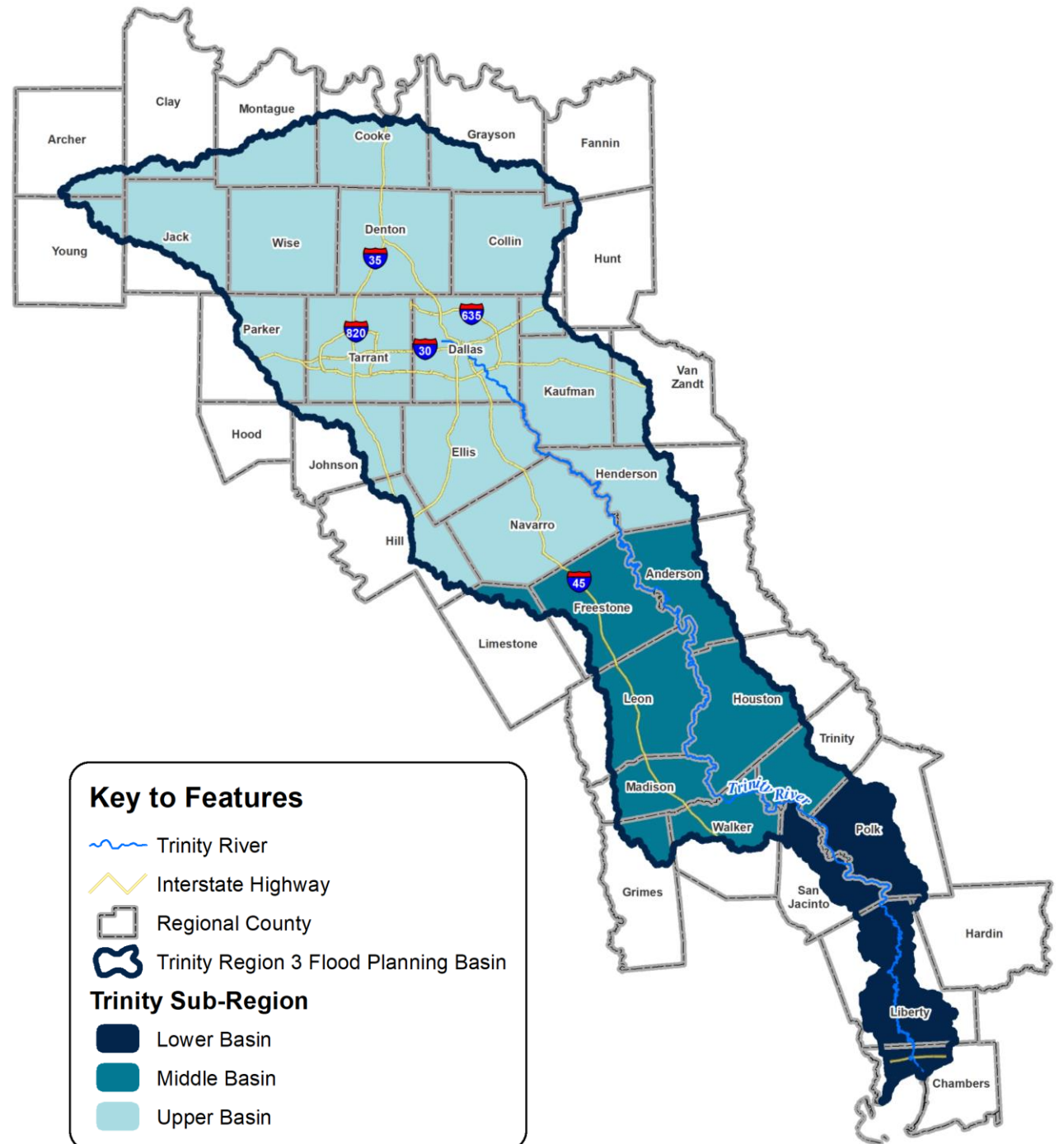
COMMUNITY POPULATION PROJECTIONS (2050)

Top 10 Fastest Growing Communities:

- Anna
- Blue Ridge
- Celina
- Farmersville
- Haslet
- Melissa
- Northlake
- Princeton
- Trenton
- Westlake



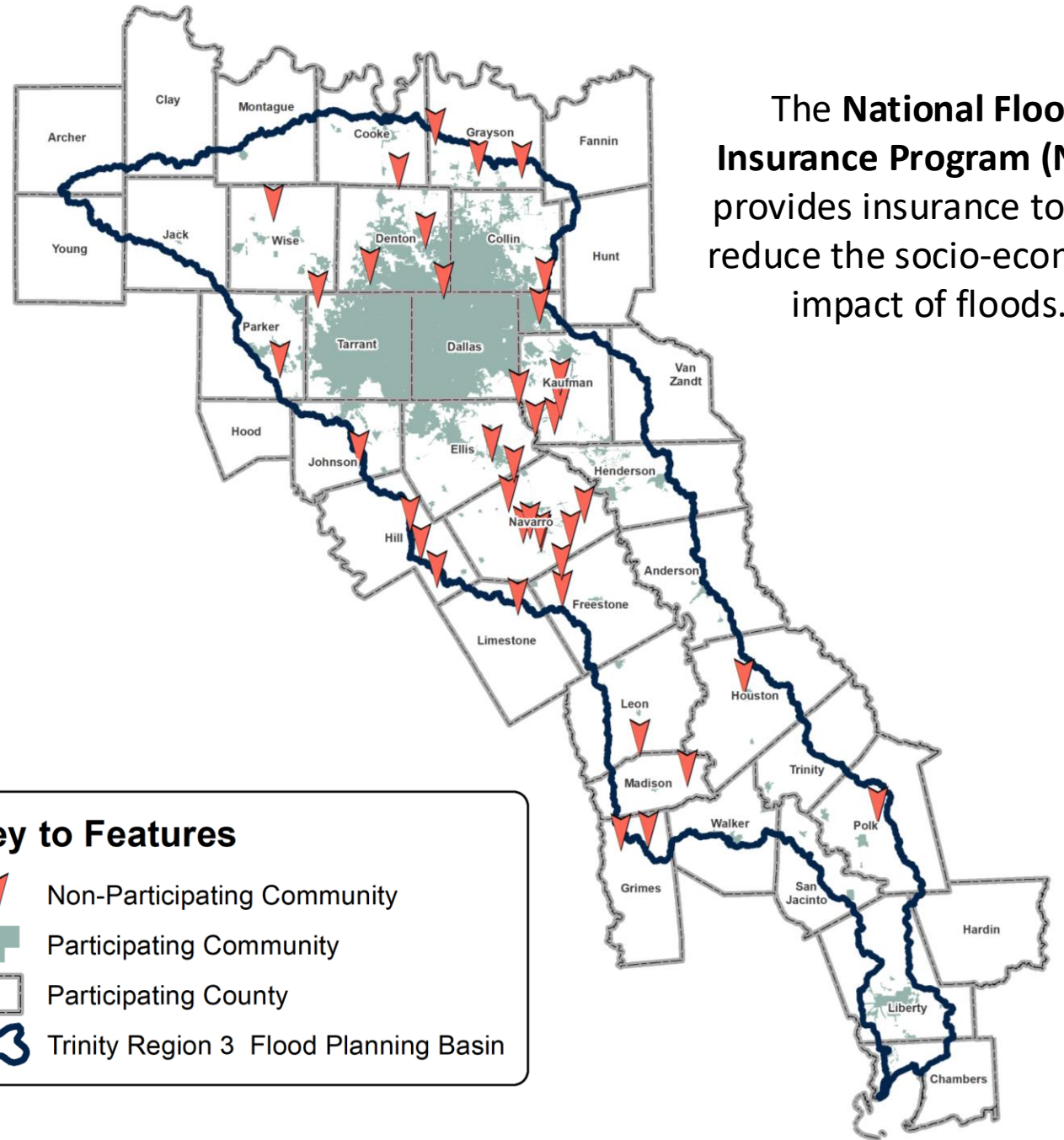
Trinity River Basin Sub-Regions



NFIP Participation

77%

of Communities Participating in NFIP



AGRICULTURAL, RANCHING AND NATURAL AREAS MANAGEMENT

Trinity River Basin

WORKING LANDS CHANGE

-495,917 ac

↓ -5.90% since 1997



MARKET VALUE CHANGE

\$7,108.97

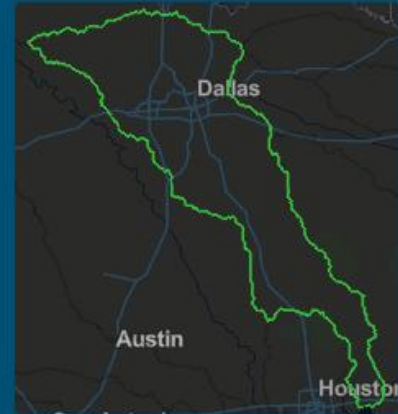
↑ 541.13% since 1997



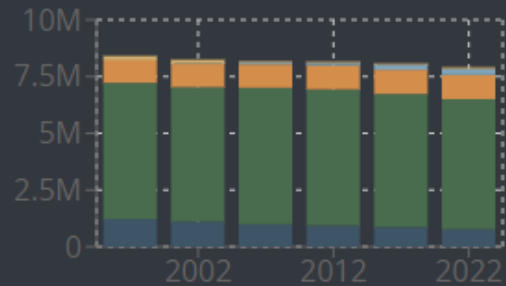
POPULATION CHANGE

3,377,184

↑ 62.65% since 1997

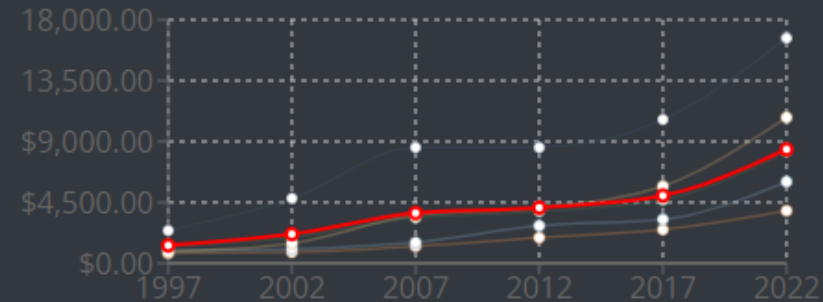


Working Lands ACRES



Legend for Working Lands ACRES:
■ Cropland ■ Grazing Land
■ Timber ■ Wildlife Management
■ Other

Working Lands MARKET VALUE (\$/AC)



Legend for Working Lands MARKET VALUE (\$/AC):
○ Cropland ○ Grazing Land ○ Timber
○ Wildlife Management ○ Other ○ Average

Data Collection Tool Review

IMPROVEMENTS

1. Log-in procedure simplified.

Community Representative?

Community Stakeholders in the RFPG process include individuals with flood-related responsibilities, such as County and Community officials and Staff as well as Federal, State, regional, and local authorities, utilities and districts.

By logging on with your email address and creating a password, you can help provide the RFPGs with localized knowledge of flood planning resources and validate a wide array of flood risk data. Through this data collection effort, the RFPG is requesting community stakeholders:

- Provide information about your contact information and flood-related responsibilities.
- Respond to questions to support the development of the second regional flood plan.
- Verify and provide geospatial data through a provided web map.

The RFPG appreciates any information you are able to verify and provide with the understanding that it may not be possible to provide response to all items.

[Entity Login](#)

Member of the Public?

Public Stakeholders in the RFPG process include general public individuals, groups, and organizations including non-profit and non-governmental organizations with an interest in providing information to support flood planning efforts.

By providing your name, address, and email address, you can help provide the RFPG with localized knowledge of flood prone areas and areas where flood mitigation is needed. Your contact information is used to document who is providing information in case we have any follow-up questions.

Once you enter your information, an interactive web map of the region will open. A search feature in the lower right corner of the map enables you to zoom to a particular address. Using the add feature tool, you can leave one or more location pins including a comment or description about flood issues/concerns.

Name

Address

Email

[Take me to the map](#)

Data Collection Tool Review

IMPROVEMENTS

1. Log-in procedure simplified.

Register.
Create a new account.

Email

Password

Confirm password

Password requirements:

- be at least 6 characters long
- have at least one digit (0-9)
- have at least one upper case character (A-Z)
- have at least one lower case character (a-z)
- have at least one non-alphanumeric character (\$, !, #, etc)

Data Collection Tool Review

IMPROVEMENTS

1. Log-in procedure simplified.

Thanks for logging in. Would you mind telling us a little about yourself?

Overall Progress 0%

Welcome

Your Info

What City or Entity are you representing?

If you do not see your entity or community or need assistance, [contact us](#).

Title

First name

Last name

Phone number

Why do you need this?

Data Collection Tool Review

IMPROVEMENTS

1. Log-in procedure simplified.

Thanks for your information, Audrey! Please use the navigation panel on the left hand side of this window to proceed.

Overall Progress 67%

- Welcome
- Your Info
- Community Questionnaire
- Floodplain Management/Ordinances
- Floodplain Studies/Maps
- Risk Reduction Alternatives
- Flood Finance
- Hazard Mitigation & Emergency Planning
- Interactive Map

You are representing Campbell

Title

First name

Last name

Phone number

Data Collection Tool Review

IMPROVEMENTS

2. Survey reduced to 23 questions.
3. Refers to Regional Flood Plan materials to reduce questions, support review of planning information.

1. The Regional Flood Planning Groups did extensive research during the first cycle to try to identify each entity's level of floodplain management. This data collection effort was summarized in [Table 6](#) of the Regional Flood Plan. Please review Table 6 through the link provided.

Is the information in Table 6 sufficient for your community?

No, please contact me

Yes

No, please contact me

I do not know

Data Collection Tool Review

IMPROVEMENTS

3. Refers to Regional Flood Plan materials to reduce questions, support review of planning information.
4. Interactive Map revisions
 - Easier addition/edit of features

1. Upon review of the web map, does any the data appear inaccurate for your jurisdiction?
Select all that apply.


- Existing Condition Floodplain Quilt
- Unmapped areas subject to flooding
- Levees
- Dams
- Storm Water Management Systems
- Low Water Crossings
- Coastal Infrastructure
- All appear accurate
- Other


2. Would your jurisdiction like to share geospatial files?


Yes


Submit

Editable Layers
Click on Shape to Add

 Flood Prone Areas
Add a polygon feature

 Study Need or Data Gap
Add a polygon feature

 Prior Studies
Add a polygon feature

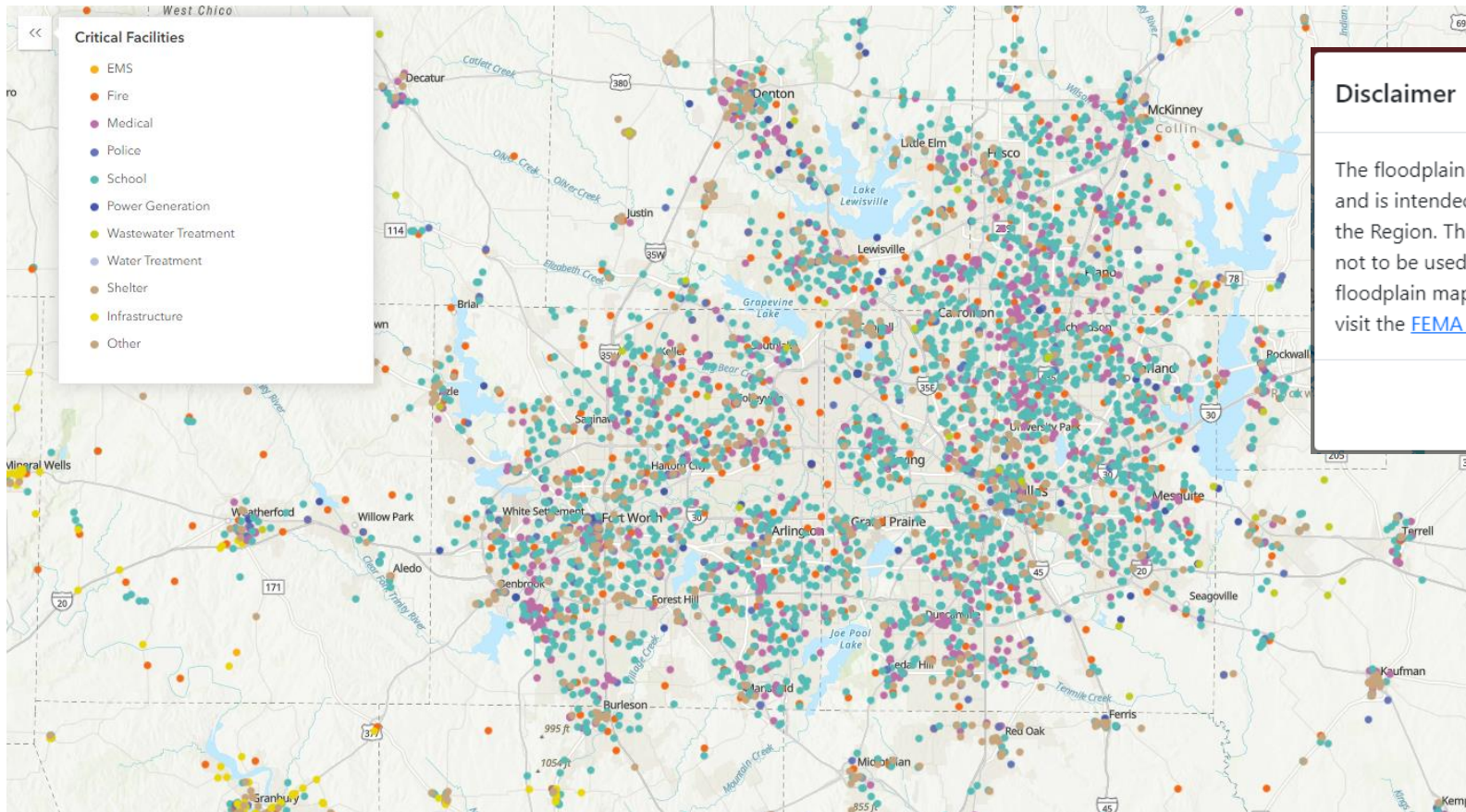
 Critical Facilities
Add a point feature

Data Collection Tool Review

IMPROVEMENTS

4. Interactive Map revisions

- Shows base-level data from State Flood Plan Viewer





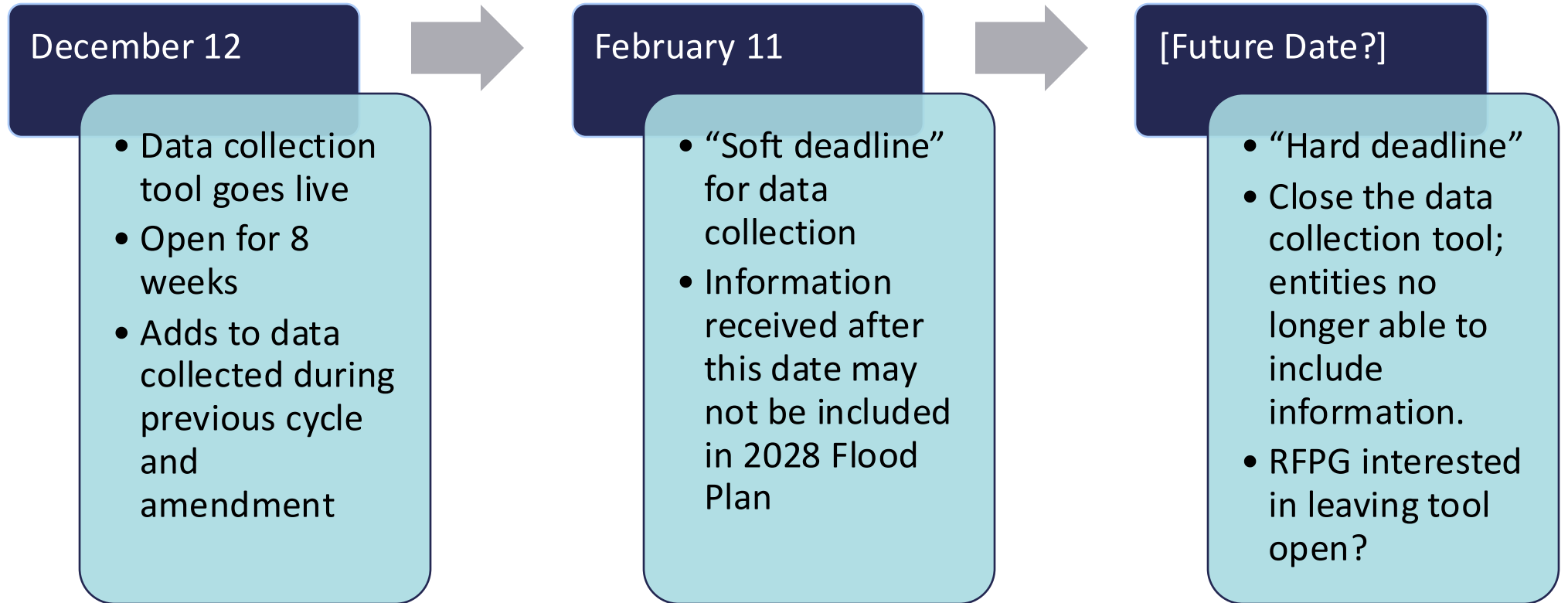
Data Collection Tool Review

IMPROVEMENTS

1. Log-in procedure simplified.
2. Number of Questions reduced to 23.
3. Refers to Regional Flood Plan materials to reduce questions, support review of planning information.
4. Interactive Map revisions
 - Shows base-level data from State Flood Plan Viewer
 - Easier addition/edit of features
5. Encourages communication between consultant team and interested entities.

Data Collection Tool Review

TIMELINE



Data collected in previous cycle to be carried forward if no new, improved information is available.



Consider approval of
the Data Collection Tool
and schedule for
acquiring information.

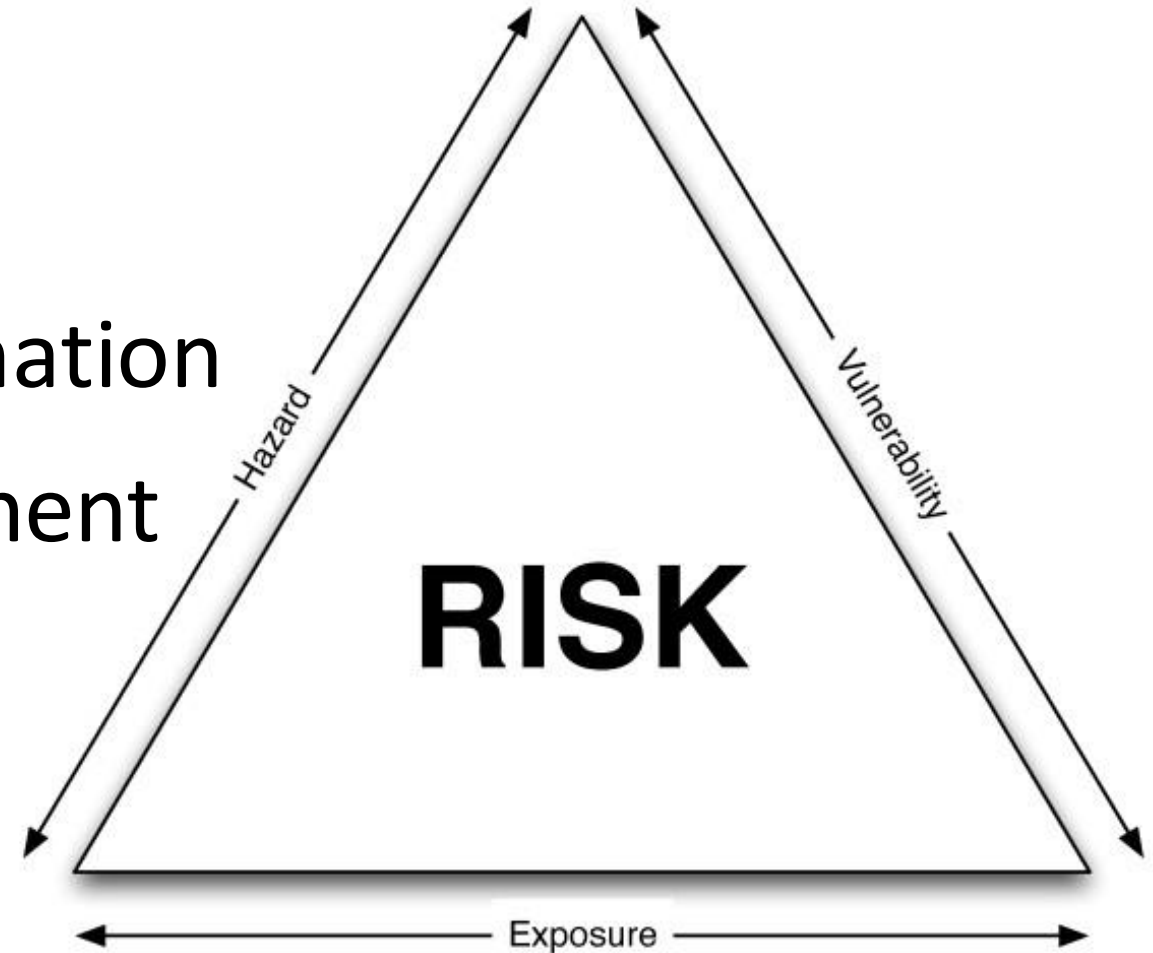
The background of the slide is an underwater scene. It features a dark teal color palette. In the upper portion, there are gentle ripples on the water's surface, with light rays filtering down from above. Below the surface, the water is clear, showing some faint light rays and small bubbles or particles. The overall atmosphere is calm and serene.

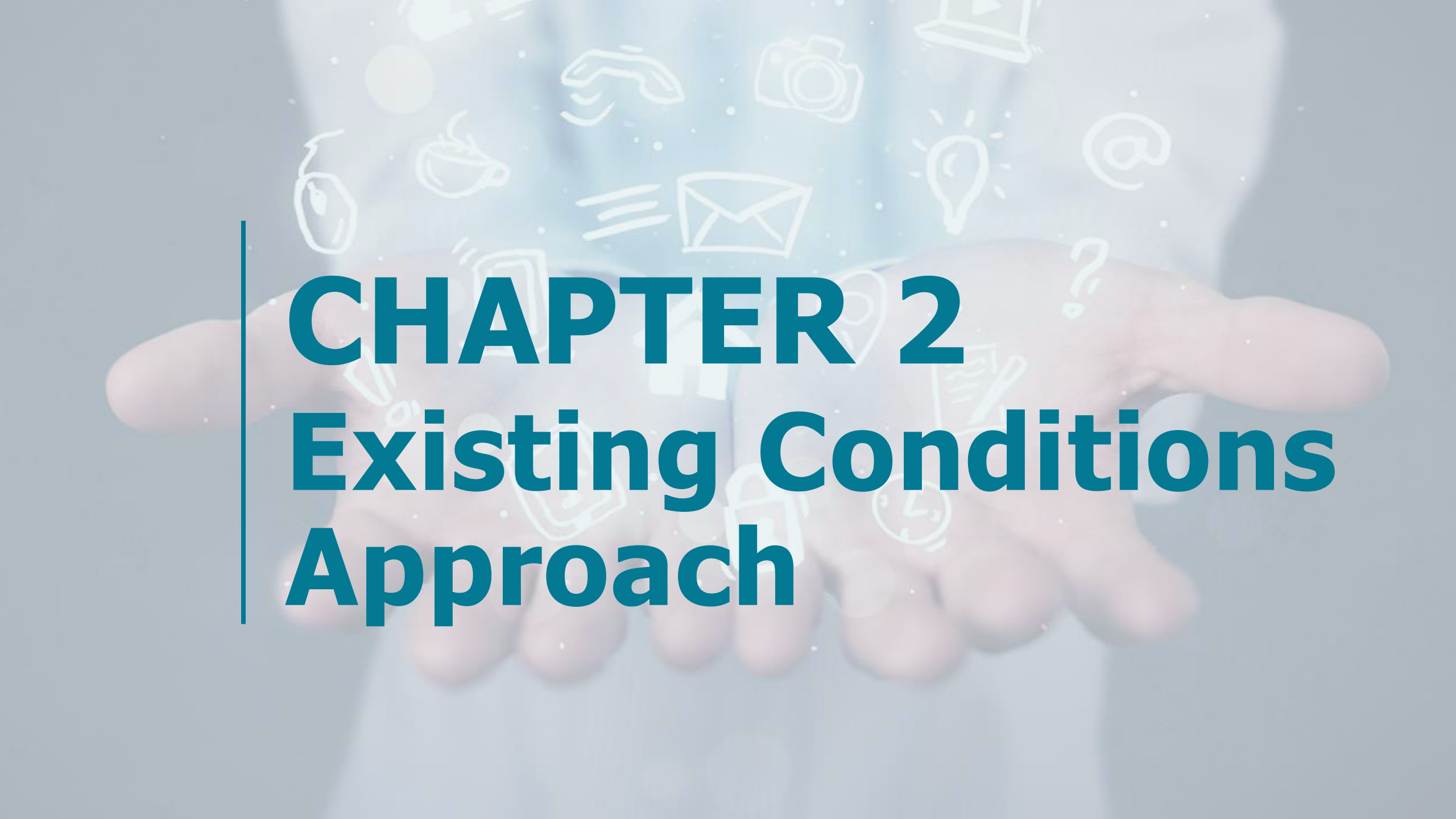
Ch. 2 Introduction & Overview

Flood Risk Analysis

Task 2 - Purpose

- Flood Risk Mapping
- Flood Exposure Estimation
- Vulnerability Assessment





CHAPTER 2

Existing Conditions Approach

Task 2A – Existing Conditions Flood Risk Assessment

EXISTING FLOOD HAZARD

FLOOD TYPE

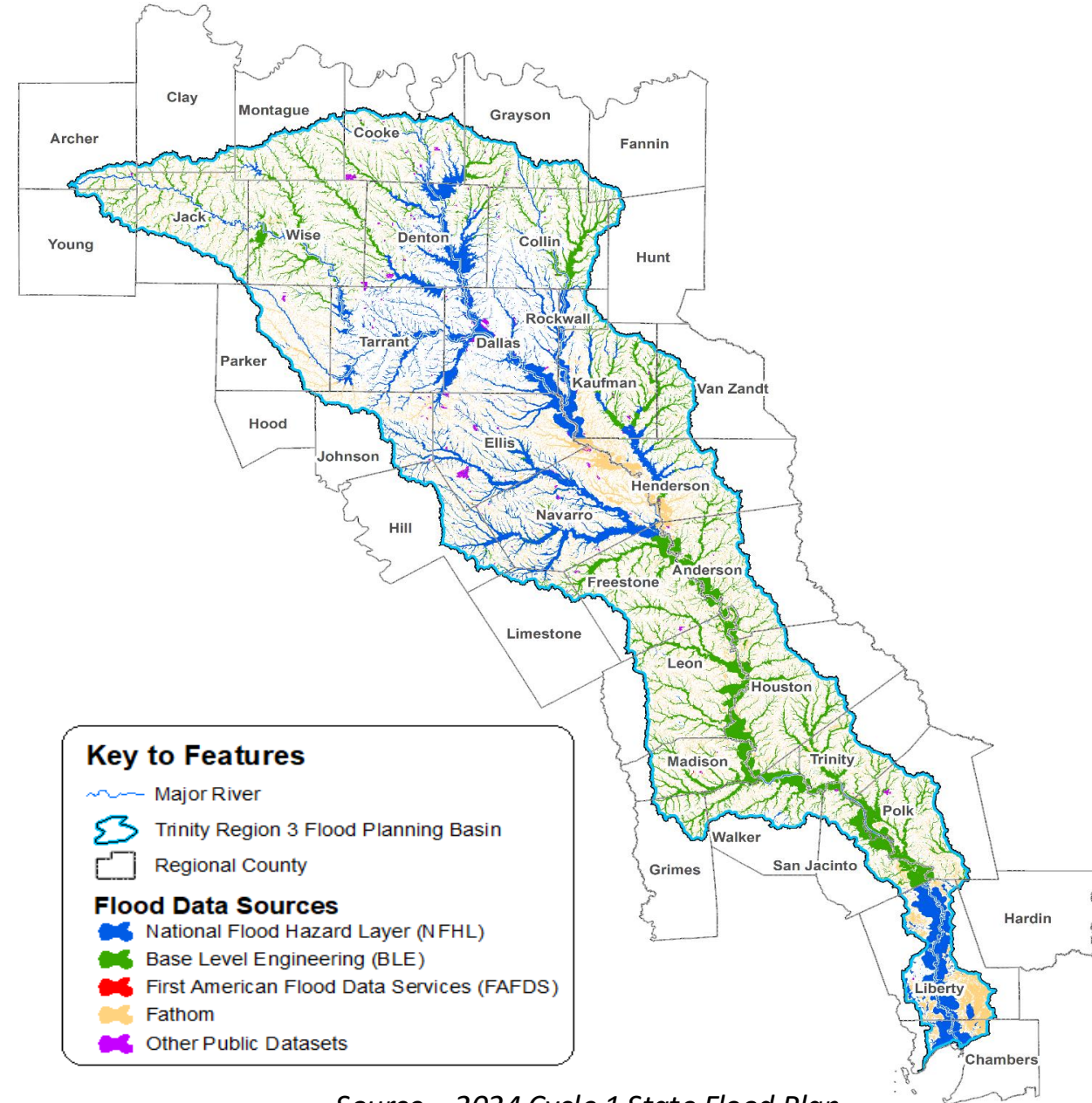
- Riverine
- Coastal
- Pluvial including Urban flooding

FLOOD EVENT TYPES

- 10-Year
- 100-Year
- 500-Year
- Other

DATA SOURCES

- TWDB Flood Quilt
- FEMA
- Regional/Community Data
- FATHOM



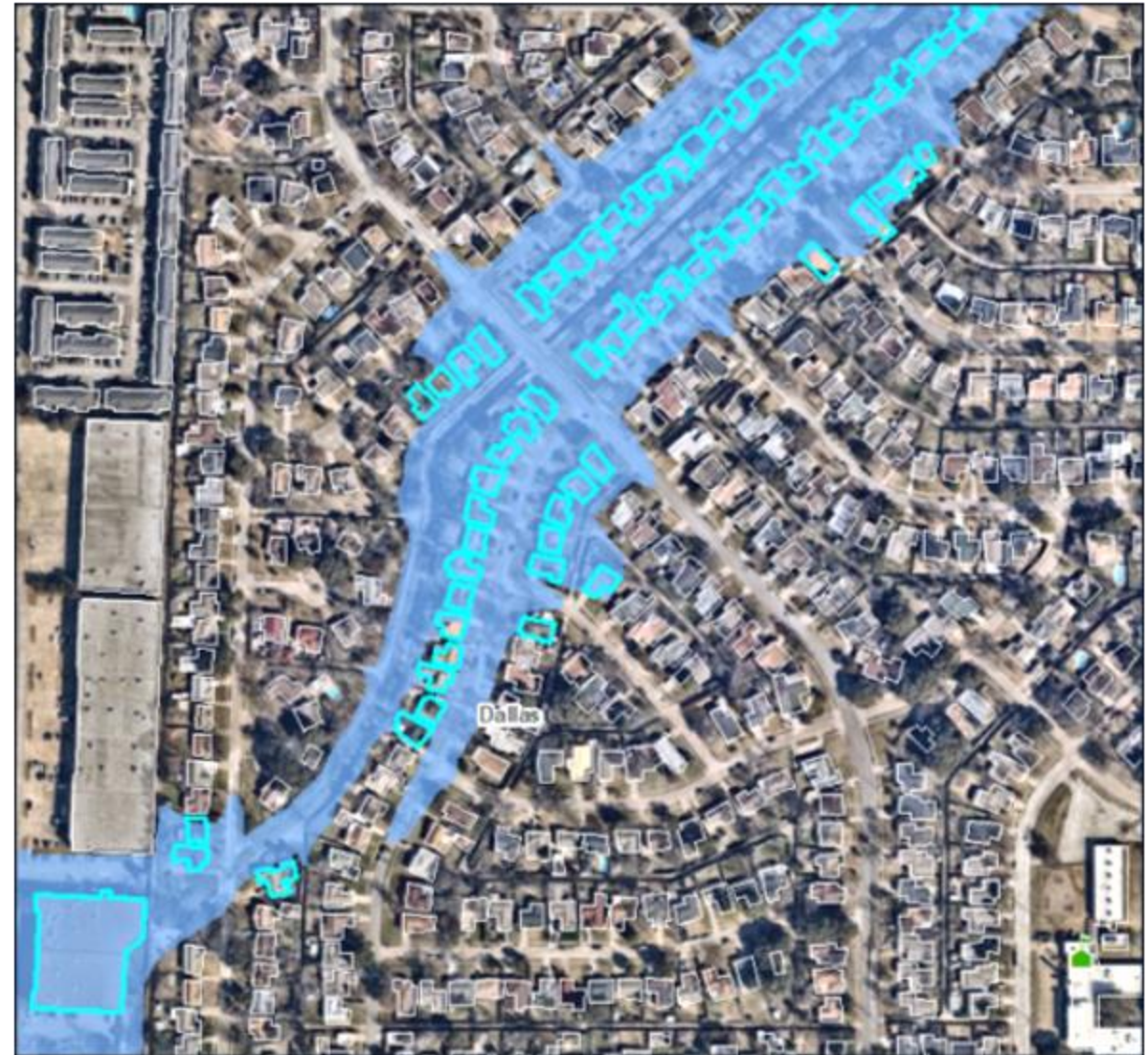
Source – 2024 Cycle 1 State Flood Plan

Task 2A – Existing Conditions Flood Risk Assessment

EXPOSURE

INVENTORY

- Buildings
- Population
- Critical Facilities
- Utilities
- Agriculture



Task 2A – Existing Conditions Flood Risk Assessment

VULNERABILITY

Social Impacts

Texas Flood Social Vulnerability Index (TX F-SVI)

- Flood-Specific SVI for Texas

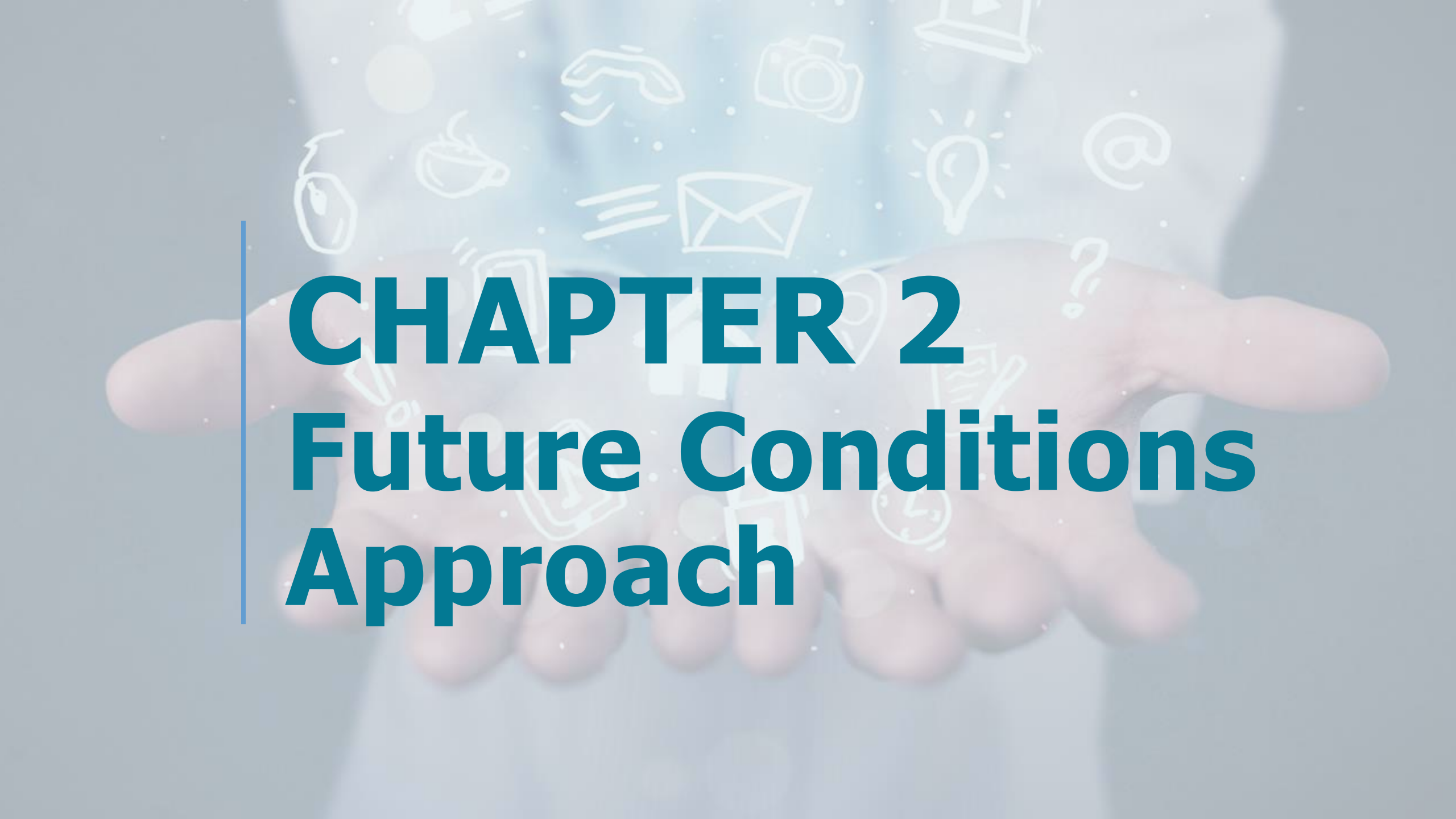
Socioeconomic
Status

Household
Composition &
Disability

Minority Status
& Language

Housing Type &
Transportation



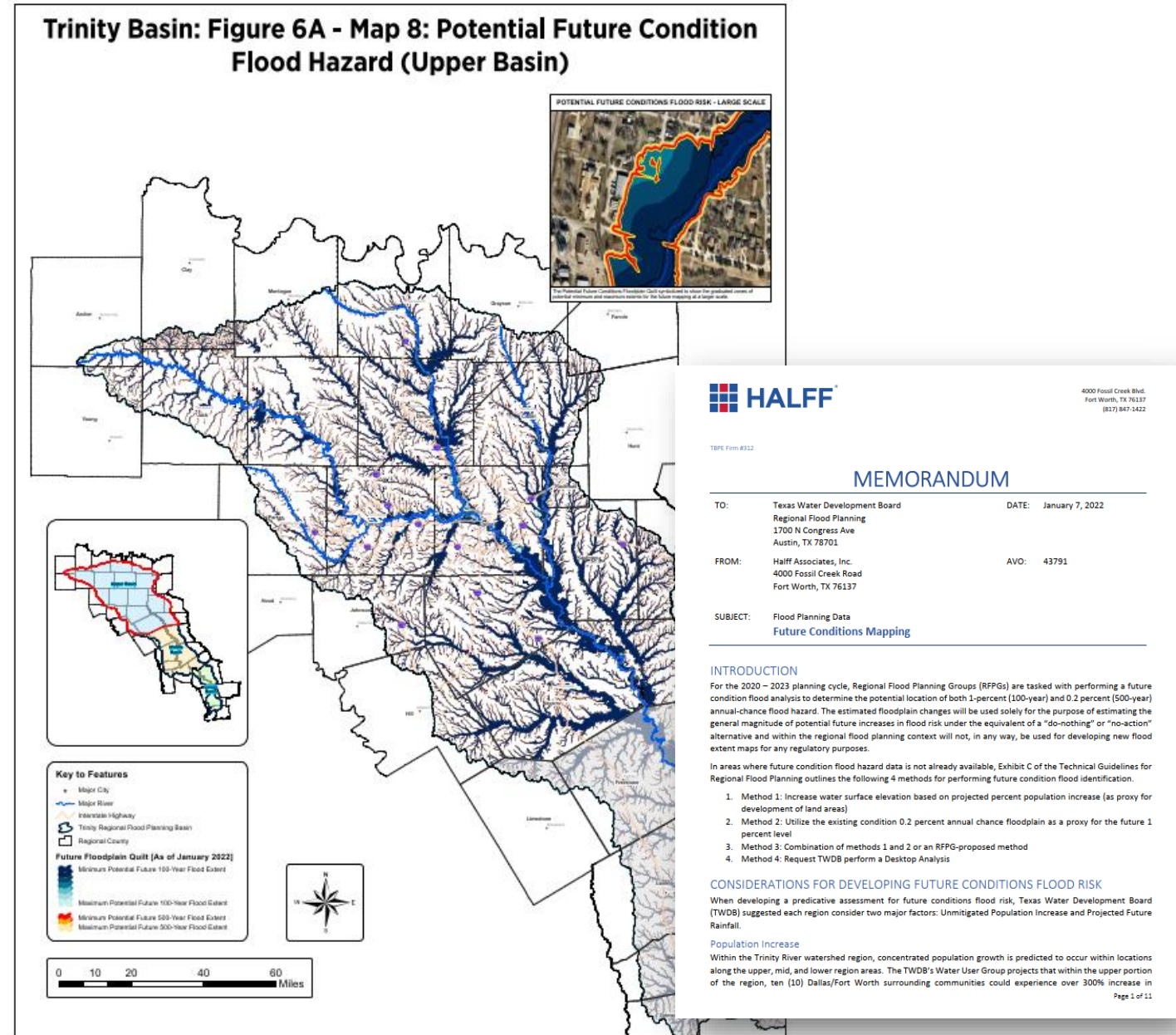


CHAPTER 2
Future Conditions
Approach

Task 2B – Future Conditions Flood Risk Mapping

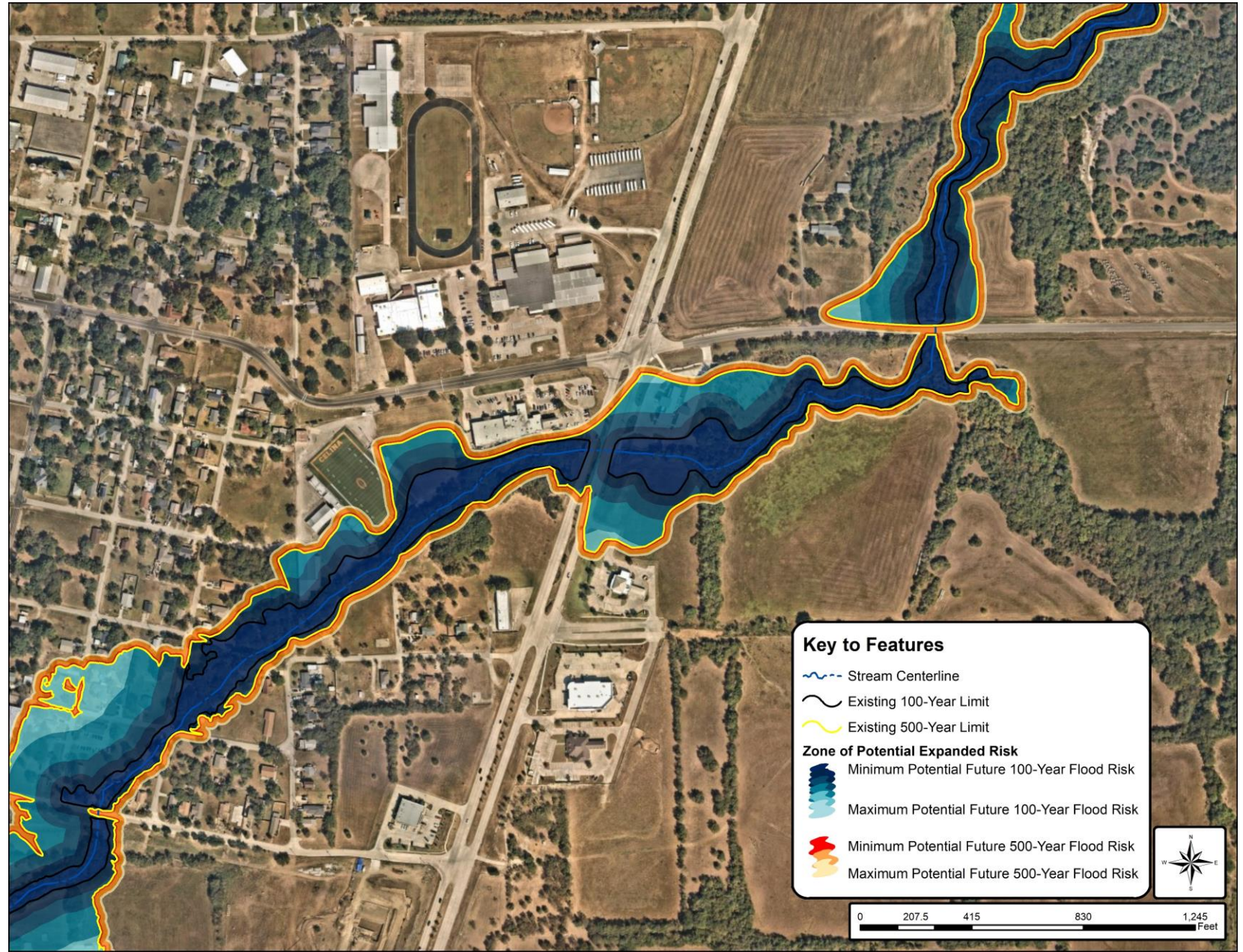
Cycle 1 Approach

- Future Flood Hazard determination methodology was accepted by Trinity RFPG and TWDB.
- Potential future flood hazard maps were generated and included as part of the Trinity Region 3 Regional Flood Plan.



Task 2B – Future Conditions Flood Risk Mapping

Cycle 1 Approach



Task 2B – Future Conditions Flood Risk Mapping

Cycle 2 Approach

- TWDB funded Future Conditions Mapping (Year 2060) by Fathom, Aqua Strategies, and AECOM.
- Approach will future climate variability and associated rainfall patterns, sea level rise, land subsidence and land use change, etc.

Climate Variability and Rainfall Patterns



Land Use Change



Quality Assurance & Quality Control

CRITERIA



REVIEW



RESOLVE



CONFIRM



The background of the slide is a deep blue, monochromatic image of an underwater scene. A horizontal line of ripples and waves separates the surface from the depths below. The water is clear, with some light rays visible. The overall mood is calm and serene.

Ch. 10 Public Outreach & Participation



Public Outreach and Participation

- Cooksey Team

- Colby Walton, CEO
- Dorothy White, Assistant Vice President, team lead
- Owen Ramsey, Account Executive



Outreach for Data Collection

- E-blast to all stakeholders, subscribers explaining the need for updated information and basic instructions
- Create pdf flyer with data collection information to be provided via email and the website to allow sharing with additional stakeholders
- Post information to X
- Create and send media advisory

DRAFT COPY FOR FLYER AND E-BLAST

The Trinity Regional Flood Planning Group (Trinity RFPG) needs you!

The Region 3 Trinity Regional Flood Planning Group (Trinity RFPG) needs to hear from you about flood-related issues in your area and has launched an online data collection tool for that purpose. The data collection portal is now open and will remain available **through Feb. 11, 2025**.

We have prepared an **online data collection survey and an interactive web map** that are available at <https://trinity.halff.com/> and through the Public Comment page on our website, [Trinityrfg.org](https://trinityrfg.org). We are seeking input and local flood-related data from the general public and organizations with flood-related responsibilities. Your participation will allow us to update and maintain a flood plan that represents your flood planning resources, flood-related risks, flood mitigation needs and potential solutions in your area. Even if you participated during the initial cycle of Regional Flood Planning, we encourage you to review the updated interactive web map and submit updated information so we can keep our planning efforts current and address any new flooding concerns!

When you visit the data collection website, representatives from cities and other entities must register by providing an email and creating a password. Once logged in, various questions related to specific topics and an interactive map prompt a review of flood history, storm drainage systems and critical infrastructure.

We also want to hear from members of the general public to learn from your knowledge of flood-prone areas and areas where flood mitigation is needed. To access the public input map, users will need to provide their name, address and email address.

If you have relevant documents or data to submit, or additional questions about the data collection process, **please contact Project Manager Stephanie Griffin with Halff Associates, Inc. at (817) 813-5704 or sgriffin@halff.com**.

To receive future updates, please subscribe at [Trinityrfg.org](https://trinityrfg.org) and add info@trinityrfg.org to your approved senders list.

Also please feel free to share this information and future updates with others who may have an interest in Trinity Regional Flood Planning and encourage them to participate in this regional planning effort. A downloadable flyer is available on the [Trinity RFPG website \(provide a direct link\)](#) for sharing.

If you have any trouble, technical issues or wish to coordinate directly with us, please **email us** at info@trinityrfg.org.

About Trinity RFPG

In 2019, the Texas Legislature passed Senate Bill 8, which directed the creation of the first-ever State Flood Plan for Texas. The Plan brings together the findings of the 15 river-basin-based regional flood plans and makes legislative and floodplain recommendations to guide state, regional, and local flood control policy. The Texas Water Development Board (TWDB) adopted Texas' inaugural 2024 State Flood Plan on August 15, 2024.

The Regional Flood Planning Groups (RFPGs) are now responsible for developing the Second Planning Cycle Regional Flood Plans (2028). The RFPGs' overall goal is to determine the nature of flood risk in the regions, evaluate flood mitigation and management practices, and identify projects that reduce flood risk without negatively affecting neighboring areas.

DRAFT

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

LOOK-AHEAD

March 6, 2025 

- Approve amendment request to the 2023 State Flood Plan
- Present Chapter 1 for approval
- Determine approach for ID-ing FMXs (Task 4A)
- Determine approach for selecting FMEs to upgrade to FMPs (4A)

April 1, 2025

- Consultant sends amendment request to TWDB

May 29, 2025 

- Present results existing exposure analysis (Task 2A)
- Present results future exposure analysis (Task 2B)
- Present Chapter 2 for approval
- Approve selection of FMEs for FMP Conversion (4A)


July 17, 2025 

- Present results of Tasks 3A, 3B, 3C
- Present Chapter 3 for approval
- RFPG Elections

September 5, 2025

- Present Task 4A for approval
- Present Tech Memo for approval (Task 4B) – due to


TWDB Sept 19, 2025

Notes:  indicates target date.

Yellow highlight indicates hard deadline.



9. Updates from adjoining coastal regions



10. Updates from Planning Group Sponsor



11. Receive registered general public comments

Limit 3 minutes per person



12. Announcements



13. Consider meeting date for next meeting

Determined during Look-Ahead discussion.



14. Consider agenda items for
next meeting



15. Adjourn