



June 24, 2021





# 1. Call to order



## 2. Roll call



## 3. Approval of minutes




## 4. Acknowledgement of written comments received



## 5. TWDB update



## 6. Receive report – Nominating Committee



## 7. Consider filling Small Business seat

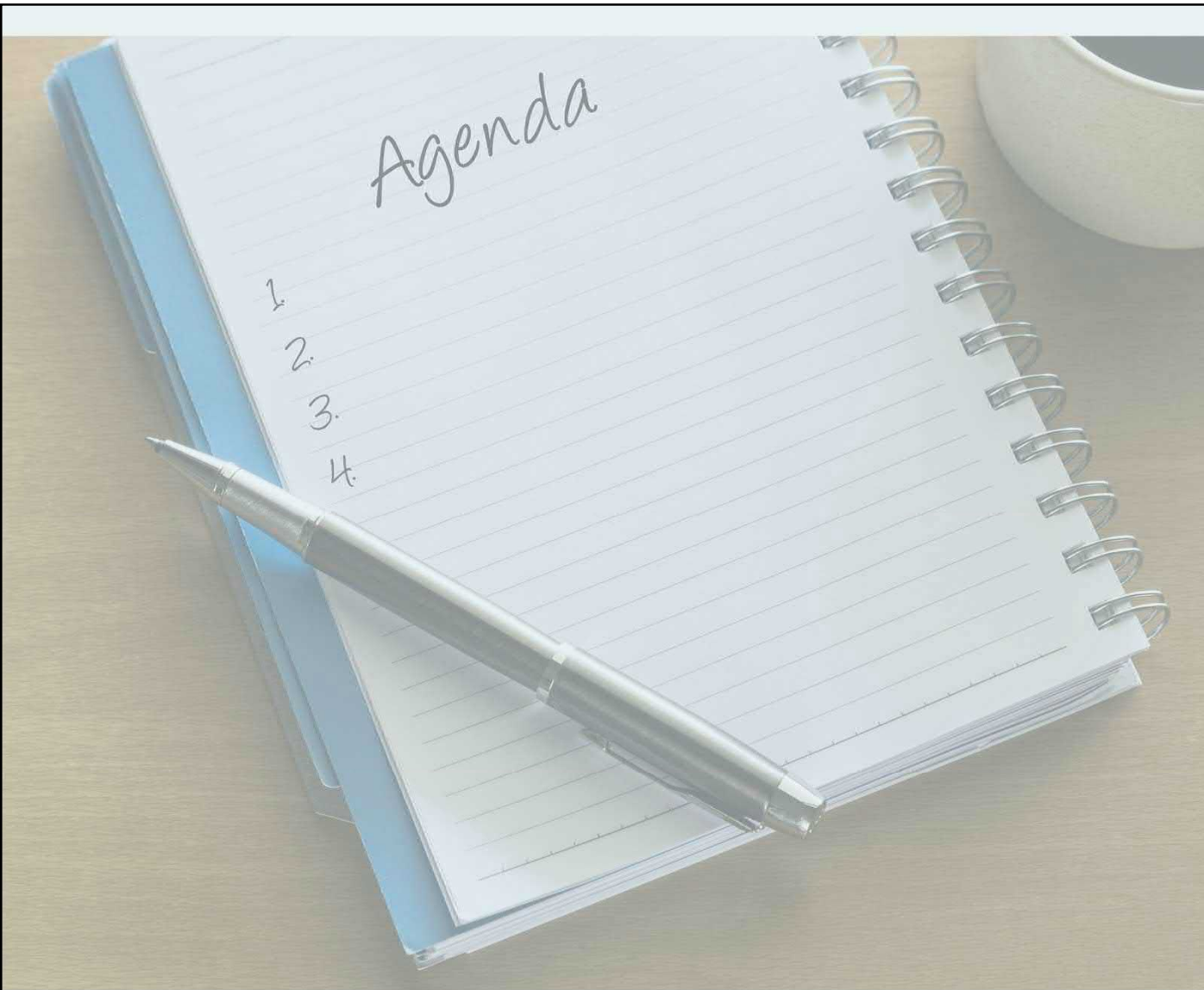




## 8. Consider filling Councils of Government seats



# 9. Consultant update



# CONSULTANT UPDATE

- **Introduction and overview, Chapter 1**
- **Introduction and overview, Chapter 2**
  - Data collection tool and survey process demonstration
  - Interactive web map demonstration
- **Introduction and overview, Chapter 3**
  - Flood mitigation and floodplain management goals
- **Public outreach updates**
  - Public outreach overview
  - Website
- **Introduction and overview of Chapter 8**



# Ch. 1 Introduction & Overview

Planning Area Description

# Preparing the Technical Memo

## May–July

Kick Off  
Data Collection  
Public Engagement  
Begin Ch. 1, 2 & 3  
Discuss Goal Setting

## Sept.–Oct.

Finalize Ch. 1, 2 & 3  
Prepare Ch. 4 & Tech Memo

Complete Data Collection  
Establish Goals  
Present Regional Flood Map  
Prepare Ch. 1, 2 & 3  
Begin Ch. 4

## July–Aug.

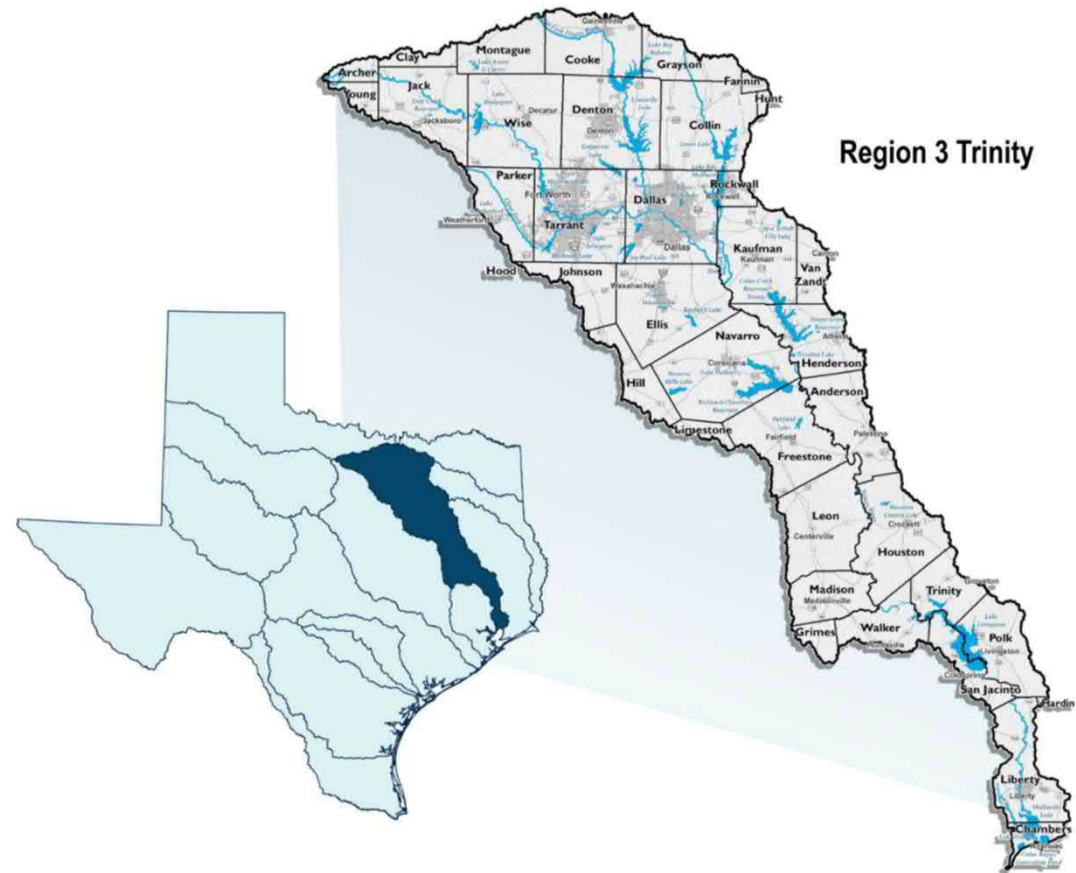
Finalize Ch. 4 & Tech Memo  
Submit Tech Memo to TWDB

## Nov. 2021–Jan. 2022

# TRINITY REGION, BY THE NUMBERS

---

- 38 COUNTIES
- 18,000 SQUARE MILES
- ~20% within the 1% annual chance flood event







Trinity Basin, Historical  
Flood Events



**FEMA FLOOD CLAIMS  
(1984 – JAN 2021)**

584

Flood Claims

\$517.8 M

Flood Claims Paid

**ANTICIPATED POPULATION  
GROWTH**

67%

forecasted increase in  
population between  
2020 and 2050

**AGRICULTURAL FLOOD LOSSES**

Significant historical flood losses,  
most recently 2015 and 2016

**FLOOD-RELATED PRESIDENTIAL  
DISASTER DECLARATIONS  
(1953 – MAR 2020)**

40

Major Disaster Declarations

5

Emergency Declarations

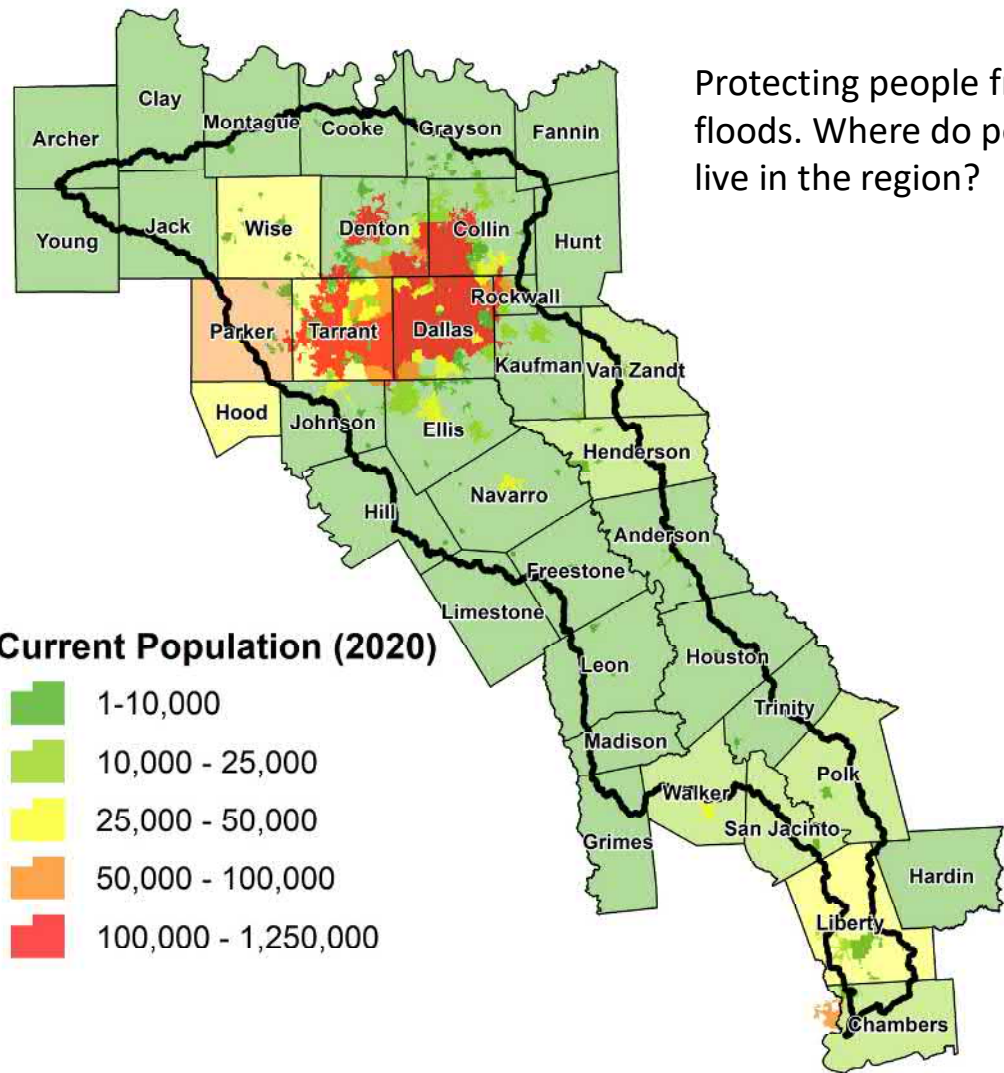
25% of Disaster Declarations and 40% of  
Emergency Declarations have occurred  
within the region since 2008

**FLOOD EVENTS (1996-2019)**

Over 150 major flood events have  
occurred in the last 20 years with  
significant losses to life and  
property.



# POPULATION DENSITY BY REGION

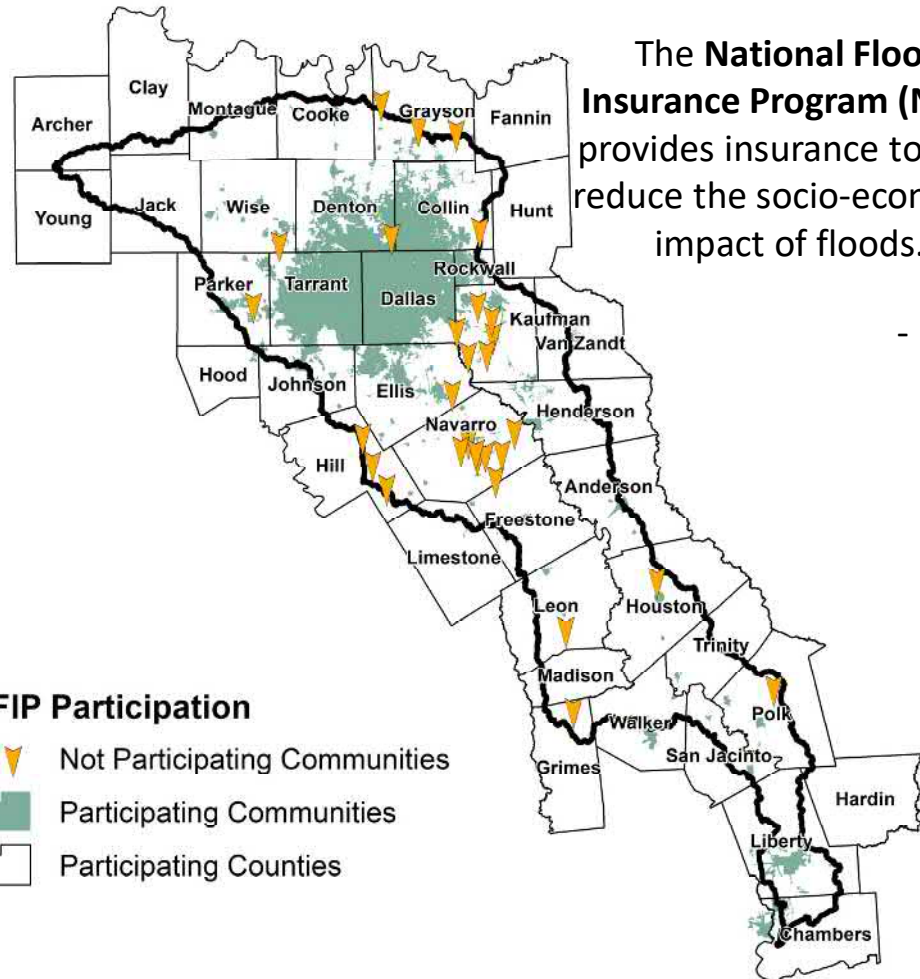


Protecting people from floods. Where do people live in the region?

# NFIP Participation

## 87%

# of Counties Participating in NFIP



The National Flood Insurance Program (NFIP) provides insurance to help reduce the socio-economic impact of floods.

- FEMA

### NFIP Participation

- Not Participating Communities
- Participating Communities
- Participating Counties

# AGRICULTURAL, RANCHING AND NATURAL AREAS MANAGEMENT

## Trinity River Basin

WORKING LANDS CHANGE

**-360,855 ac**

↓ -4.30% since 1997



MARKET VALUE CHANGE

**\$3,695.84**

↑ 282.31% since 1997



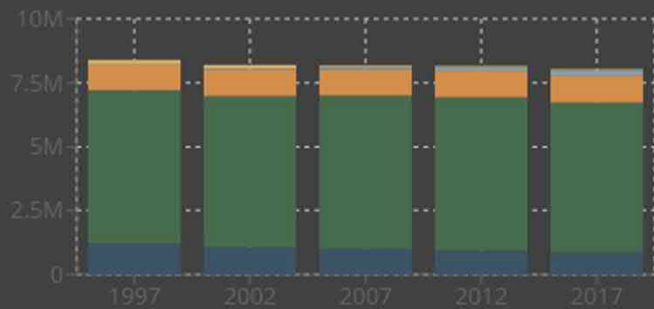
POPULATION CHANGE

**2,863,514**

↑ 53.04% since 1997

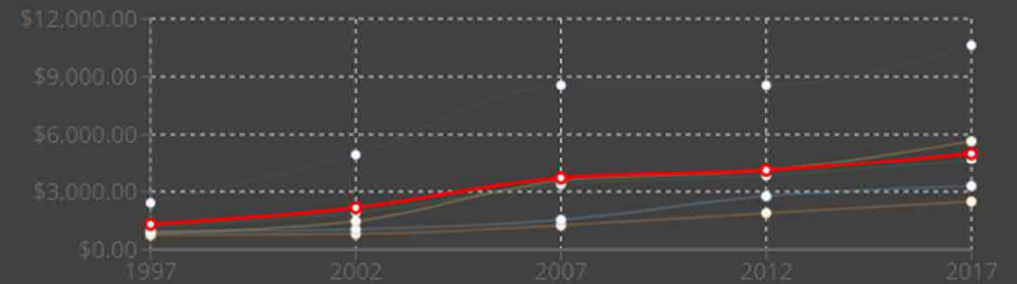


Working Lands ACRES



■ Cropland 
 ■ Grazing Land 
 ■ Timber 
 ■ Wildlife Management 
 ■ Other

Working Lands MARKET VALUE (\$/AC)



◆ Cropland 
 ◆ Grazing Land 
 ◆ Timber 
 ◆ Wildlife Management 
 ◆ Other 
 ◆ Average

# COLLECT DATA

- Floodplain Ordinances
- Building Standards
- Design Standards
- Development Standards

- Zoning
- Land Use
- Protection Policies
- National Flood Insurance Program Participation

- Funding Mechanisms
- Programmed O&M
- Programmed Inspections
- Asset Inventories & Condition Assessments

Entity	Floodplain management regulations	Adopted minimum regulations	NFIP Participant	Higher Standards Adopted	Floodplain Management Practices	Level of enforcement of practices	Existing Stormwater or Drainage Fee
County 1	Yes	Yes	Yes	No	Moderate	Moderate	Yes
City 1	No	No	No	No	Low	Low	No
Special Purpose District	Unknown	No	No	No	None	None	No

*Template from TWDB – Exhibit C*

An underwater photograph of the ocean surface, showing gentle waves and light filtering through the water. The scene is captured from below the water line, creating a serene and slightly mysterious atmosphere.

# Ch. 2 Introduction & Overview

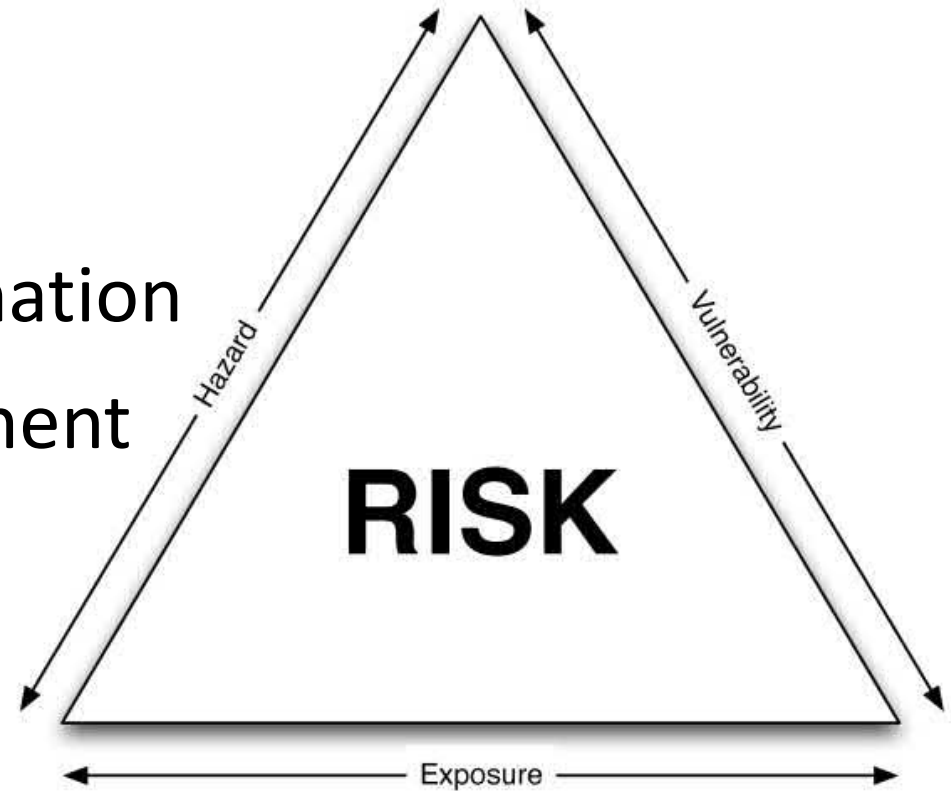
Flood Risk Analysis





## Task 2 - Purpose

- Flood Risk Mapping
- Flood Exposure Estimation
- Vulnerability Assessment



# Task 2A – Existing Conditions Flood Risk Assessment

## EXISTING FLOOD HAZARD

### FLOOD TYPE

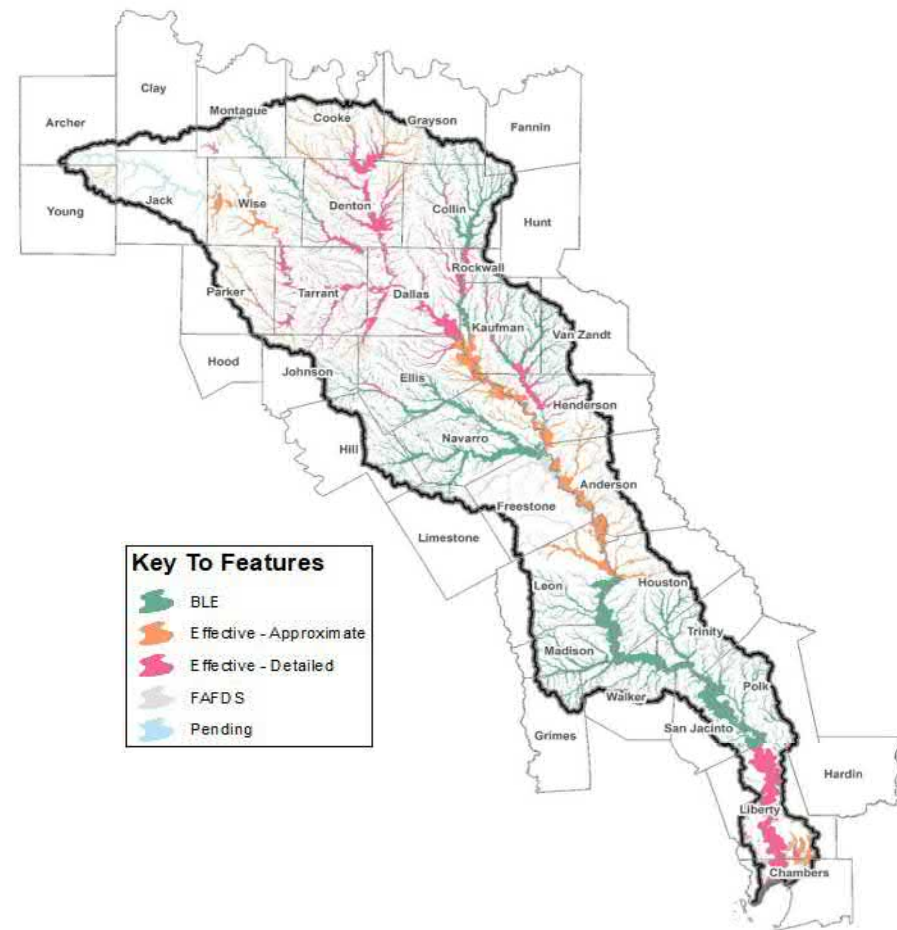
- Riverine
- Coastal
- Dams and Levee
- Possible Flood-prone Areas
- Pluvial including Urban flooding

### FLOOD EVENT TYPES

- 100-Year
- 500-Year
- Other

### DATA SOURCES

- TWDB Flood Quilt
- Community Data
- FATHOM



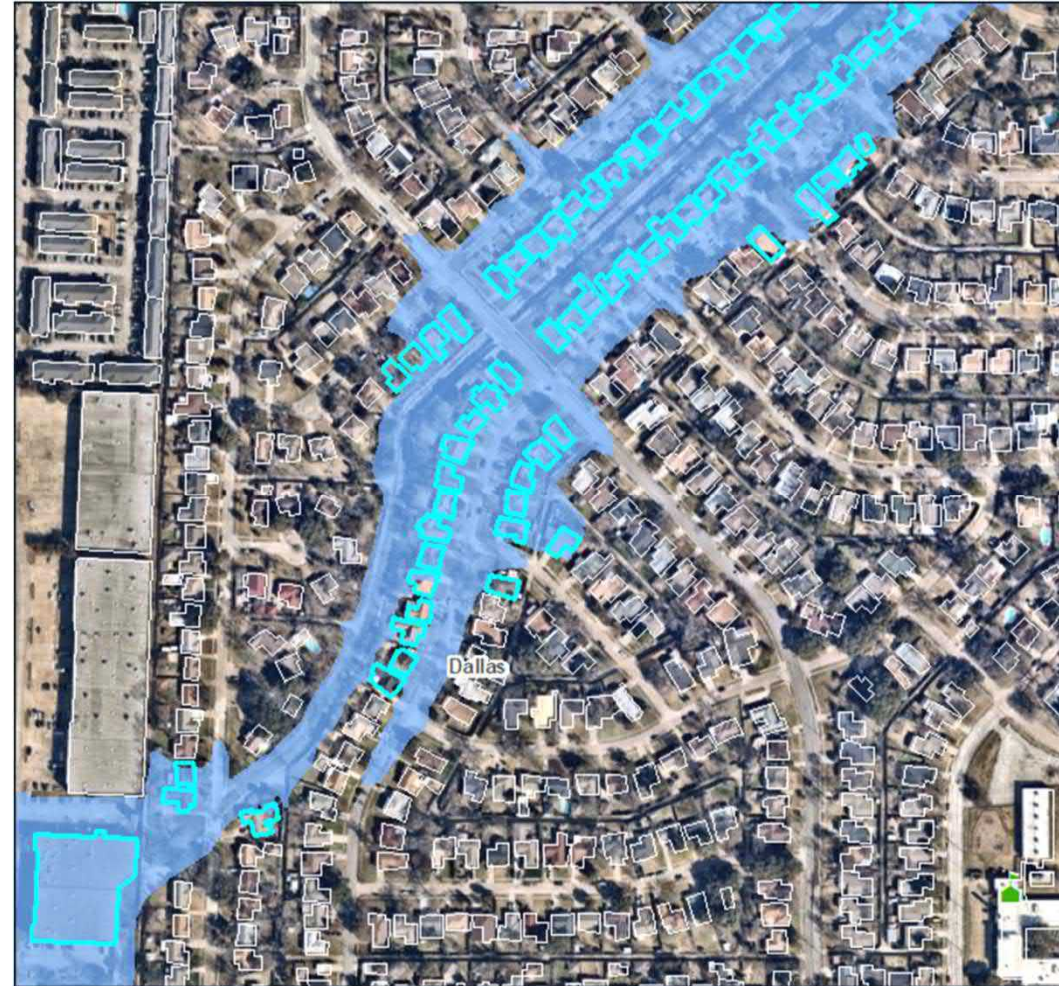
Source - TWDB



# Task 2A – Existing Conditions Flood Risk Assessment

## INVENTORY

- Buildings 
- Population 
- Critical Facilities 
- Utilities 
- Agriculture 



# Task 2A – Existing Conditions Flood Risk Assessment

VULNERABILITY

## Social Impacts

Socioeconomic Status

Below Poverty

Unemployed

Income

No High School Diploma

Household Composition & Disability

Aged 65 or Older

Aged 17 or Younger

Older than Age 5 with a Disability

Single-Parent Households

Minority Status & Language

Minority

Speaks English "Less than Well"

Housing Type & Transportation

Multi-Unit Structures

Mobile Homes

Crowding

No Vehicle

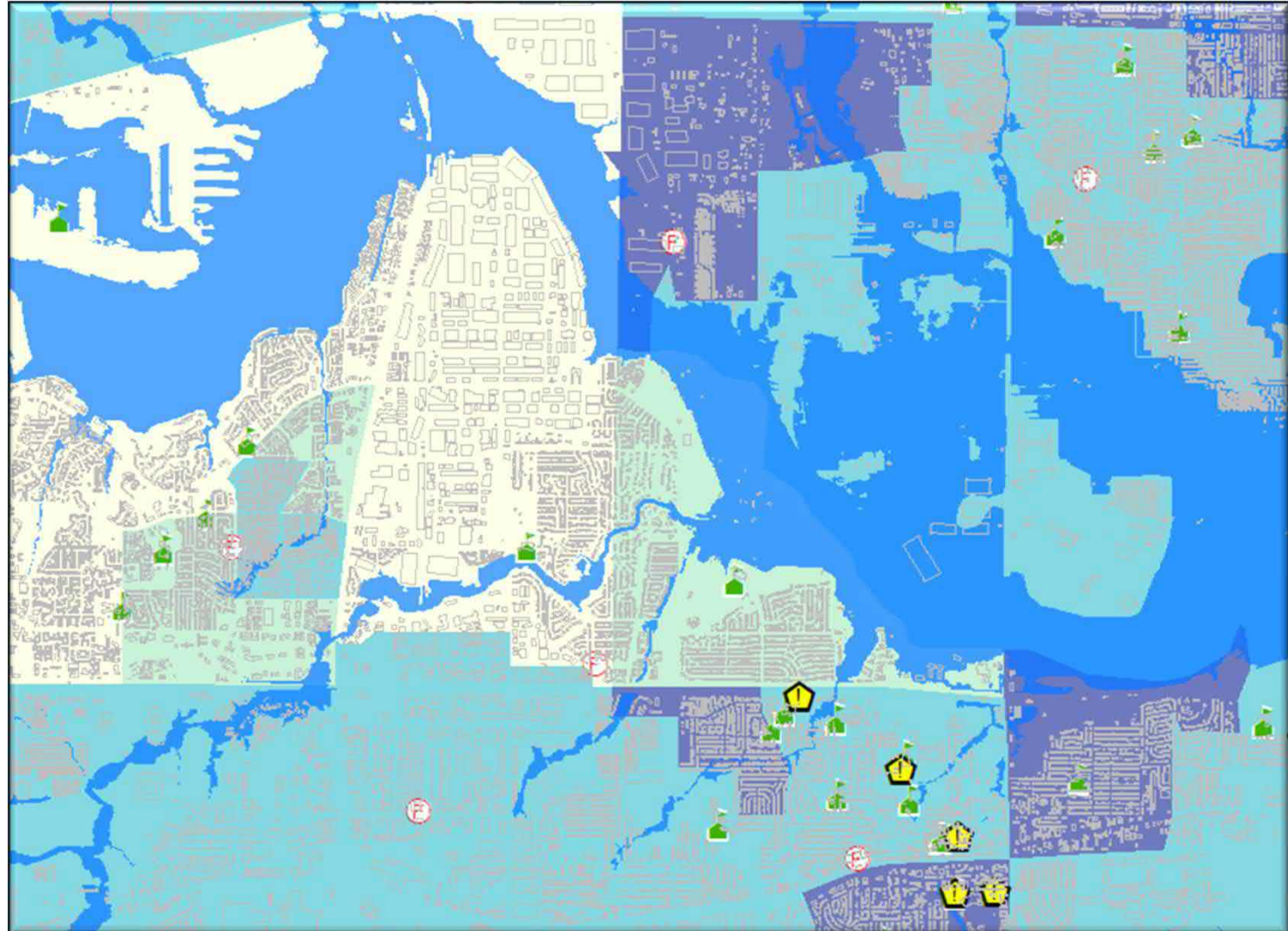
Group Quarters



# Task 2A – Existing Conditions Flood Risk Assessment

VULNERABILITY

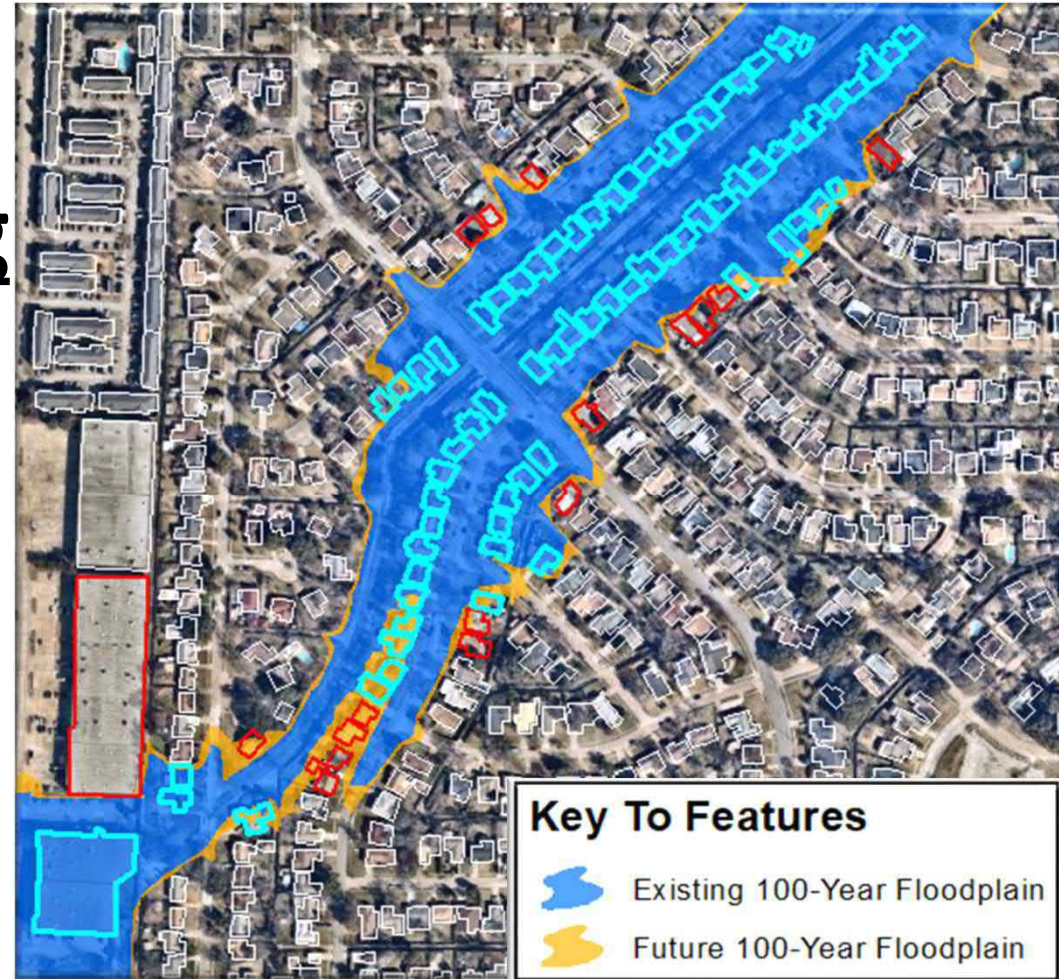
Social  
Impacts



# Task 2B – Future Conditions Flood Risk Assessment

## Future Mapping

- FEMA
- Community Data
- Machine Learning
- Regional Deltas
- TWDB Estimates







# Data Collection Website

[Trinity.halff.com](http://Trinity.halff.com)

LANDING PAGE

## Community Stakeholders

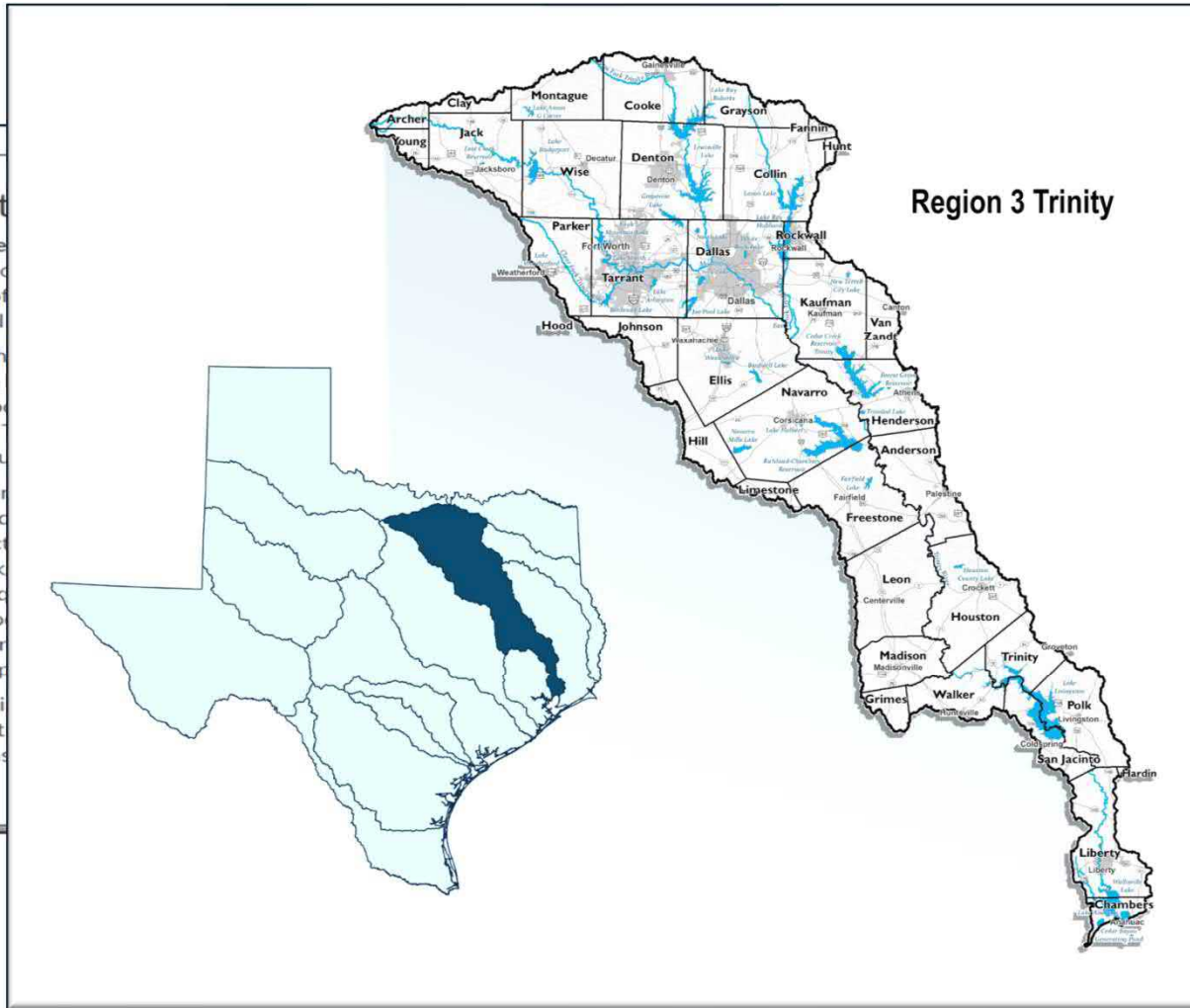
Community Stakeholders are individuals with flood risk and Community of Interest in regional, and local flood risk.

By logging on with your account, you can provide your knowledge of flood risk and request flood risk data. The RFGP appreciates your knowledge and provides with the data to provide responses to your requests.

- Provide information on flood-related risks
- Verify collected data and specific background information
- Respond to community requests for regional flood risk data
- Verify and provide information on regional flood risk and web maps

The RFGP appreciates your knowledge and provides with the data to provide responses to your requests.

[Entity Login](#)



## Public?

The process includes general public participation including non-profit and individuals with an interest in providing information and training efforts.

By providing your name and email address, you can help us gain a better understanding of flood prone areas and the knowledge of flood prone areas that is needed. Your contact information will be used for information in the future.

# Data Collection Website

[Trinity.halff.com](http://Trinity.halff.com)

## Regional Flood Plan Development

### Log in - Trinity Basin

By logging on with your email address and the password provided, you can help provide the RFPGs with localized knowledge of flood planning resources and validate a wide array of flood risk data. Information such as condition and functionality of flood prone infrastructure, mitigation or strategic development plans, proposed flood control projects, areas of key population change or growth, etc. is needed.

Use your email address and the password provided during the webinar to log in.

Email

Password

[Log In](#)

[No password?](#)

Please [email us](#) and we'll help get things sorted out.

Log in

# Data Collection Website

Trinity.halff.com

## Your Info

Overall Progress 80%

Welcome

Your Info

Backgrounder

Community Questionnaire

- Floodplain Management/Ordinances
- Flood History
- Floodplain Studies/Maps
- Risk Reduction Alternatives
- Flood Finance
- Natural Resources & Condition Changes
- Hazard Mitigation & Emergency Planning

Existing Infrastructure

- Levees/Dams
- Storm Drainage Systems
- Roadways
- Coastal
- Critical Infrastructure

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

What City or Entity are you representing?

Huntsville

Are you representing a large non-community entity? [Contact us](#), if so.

Title

Other

First name

James

Last name

Bond

Phone number

214-346-6356

Submit

Next

Why do you need this?





# Data Collection Website

Trinity.halff.com

Backgrounder

Overall Progress 80%

- Welcome
- Your Info
- Backgrounder
- ▼ Community Questionnaire
  - Floodplain Management/Ordinances
  - Flood History
  - Floodplain Studies/Maps
  - Risk Reduction Alternatives
  - Flood Finance
  - Natural Resources & Condition Changes
  - Hazard Mitigation & Emergency Planning
- ▼ Existing Infrastructure
  - Levees/Dams
  - Storm Drainage Systems
  - Roadways
  - Coastal
  - Critical Infrastructure

### Community Backgrounder for: Addison

The following is publically available information about your community with a reference to the source of the data. Please review and update it with any additional data you have available.

Information	What We Found	Corrected Information, if any
NFIP Participant: (Source: FEMA)	1	Yes <input type="button" value="v"/>
Population 2020: (Source: TWDB Water Plan)		<input type="text" value="0"/>
Projected Population 2050: (Source: TWDB Water Plan)	17947	<input type="text" value="0"/>
CRS Rating: (Source: FEMA)	N/A	<input type="text" value="N/A"/>
Latest FEMA Map Date: (Source: FEMA Community Status Book)	7/7/2014	<input type="text" value="What is it?"/>
Critical Facilities: (Source: TWDB)	7	<input type="text" value="A whole number"/>
Total Stream Miles in Community (Source: FEMA)	3	<input type="text" value="3"/>
Number of Letters of Map Revisions: (Source: NFHL)	2	<input type="text" value="0"/>
Stormwater Utility or Drainage Fee: (Source: Western Kentucky 2020)	1	Yes <input type="button" value="v"/>
Percent of Community in 100 Year or 500 Year Floodplain: (Source: NFHL)	3%	<input type="text" value="0"/>
<i>The RFPG is maintaining a contact list for the region. Please provide names and emails for additional people within your organization that have flood-related responsibilities.</i>		
CEO (Mayor or Judge):		<input type="text" value="Who is it?"/>
Flood Administrator:		<input type="text" value="Who is it?"/>
Additional Contact 1(Flood Planning, Emergency Coordination, Digital Flood Files):		<input type="text" value="Who is it?"/>
Additional Contact 2(Flood Planning, Emergency Coordination, Digital Flood Files):		<input type="text" value="Who is it?"/>

# Data Collection Website

[Trinity.halff.com](http://Trinity.halff.com)

Welcome

Your Info

Backgrounder

▼ Community Questionnaire

Floodplain  
Management/Ordinances

Flood History

Floodplain Studies/Maps

Risk Reduction Alternatives

Flood Finance

Natural Resources & Condition  
Changes

Hazard Mitigation & Emergency  
Planning

▼ Existing Infrastructure

Levees/Dams

Storm Drainage Systems

Roadways

Coastal

Critical Infrastructure

## Community Questionnaire for: Addison

Thank you for your willingness to participate in this online data collection effort as part of the first-ever State Flood Plan for Texas. We invite you to share information to advance the regional plan development. It is not necessary to complete the entire survey when you first sign in. The survey is developed to allow the user to provide input incrementally over time. Feel free to complete one section at a time or you also have the option of assigning a section of the survey to a colleague to assist you with the input. If you need have any trouble, technical issues or wish to coordinate directly with us, [email us](#).

This survey has over 90 questions and could take about 30 minutes, however depending on how much data you upload and add to the interactive maps, it may take more time. As you navigate through this questionnaire, you will find various questions and data requests related to the topics listed in the navigation panel to the left. The navigation panel to the left may also be used to advance to different sections and go back to sections as needed.

The questionnaire is comprised of questions, data upload requests, and interactive maps as described below.

- **Questions:** The types of questions you encounter include selection of a single item from a drop-down list, selection of multiple items using check boxes, or text responses. For the text responses, you are able to enter as many items as appropriate up to 2000 characters.
- **Data Uploads:** Several sections have options to upload files such as regulations, reports, studies, shapefiles, geodatabases, land planning data, etc. In these locations, you may upload more than one file. Please note you will need to press the start button to submit each file in our system.
- **Interactive Maps:** There are nine interactive maps tied to the questionnaire regarding flood history, floodplain studies/maps, risk reduction alternatives, natural resources & condition changes, levees/dams, storm drainage systems, roadways, coastal, and critical infrastructure. Once you click the button to open a map, an interactive web map of the region will open in a separate tab in your browser. Additions and edits are saved automatically, so you are welcome to enter and exit the maps as needed.

# Data Collection Website

Trinity.halff.com

## Community Questionnaire

- Welcome
- Your Info
- Backgrounder
- Community Questionnaire
  - Floodplain Management/Ordinances**
  - Flood History
  - Floodplain Studies/Maps
  - Risk Reduction Alternatives
  - Flood Finance
  - Natural Resources & Condition Changes
  - Hazard Mitigation & Emergency Planning
- Existing Infrastructure
  - Levees/Dams
  - Storm Drainage Systems
  - Roadways
  - Coastal
  - Critical Infrastructure

### Floodplain Management/Ordinances

The Federal Emergency Management Agency (FEMA) defines Floodplain Management as a "community-based effort to prevent or reduce the risk of flooding, resulting in a more resilient community." Floodplain Management is defined in Title 31 Texas Administrative Code §361.10 as, "The operation of an overall program of corrective and preventative measures for reducing flood damage." These measures can take a variety of forms and generally include building, subdivision, zoning, land use, or other special-purpose codes and ordinances such as flood damage prevention ordinances. In Texas, authority for enforcing floodplain management regulations lies with local governments such as cities and counties. It is important to note that RFPGs themselves do not have the authority to enact or enforce floodplain management, land use, or other infrastructure design standards. Any standards considered, recommended, and adopted by the RFPG in this task would be aimed at encouraging implementation by local entities in the region with flood-related authority. Please share your Floodplain Management standards by answering the questions below.

1. Does your entity have floodplain management regulations?

2. Has your entity adopted the minimum regulations to be eligible to participate in the National Flood Insurance Program (pursuant to Texas Water Code Section 16.3145)?

3. What regulations and/or development codes does your jurisdiction have in place to manage existing and future flood risk for developments? Select all that apply.

- Drainage Criteria Manual/Design Manual
- Land use regulations
- Ordinances (Floodplain, Drainage, Stormwater, etc.)
- Unified Development Code (UDC) and/or Zoning Ordinance with map
- Other
- None of the Above
- I do not know

Upload

+ Choose Files

View Files Already Uploaded -



# Data Collection Website

Trinity.halff.com

## Community Questionnaire

Welcome

Your Info

Backgrounder

Community Questionnaire

Floodplain

Management/Ordinances

Flood History

Floodplain Studies/Maps

Risk Reduction Alternatives

Flood Finance

Natural Resources & Condition  
Changes

Hazard Mitigation & Emergency  
Planning

Existing Infrastructure

Levees/Dams

Storm Drainage Systems

Roadways

Coastal

Critical Infrastructure

## Community Questionnaire for: Addison

You may continue to edit and save your edits at the bottom of the page. If needed, use the navigation panel on the left to change categories.

### Levees/Dams

As displayed in the map to the right, the region's database was populated with available information as identified below. Where overlap occurred, the data sources were reviewed and amended to only include a single inventory per location.

Available Data Sources:

- Dams: USACE National Inventory of Dams, TSSWCB Local Dams Listing, TCEQ Inventory of Texas Dams, TWDB Major Reservoirs, and NHD Lakes
- Levees: USACE National Levee Database and FEMA Levee Inventory

You may preview the populated datasets using the inset map on this page.

If you would like to add, remove, or edit these features, it would be best to provide input using a web mapping feature by clicking the link below. You are welcome to skip questions, but we greatly appreciate any information you are able to provide.

[Go to map](#)



Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, E... Powered by Esri

- Update information on an existing Dam or Levee
- Remove a Dam or Levee
- Add a new Dam
- Registered Dam
- Add a new Levee
- Known Levee

[Next](#)

An underwater photograph of the ocean. The top half of the image shows the surface of the water with gentle, rolling waves. The bottom half shows the deep, clear blue water, with some light rays filtering down from the surface. The overall color palette is various shades of blue and teal.

# Ch. 3 Introduction & Overview

Floodplain Management Practices & Flood Protection Goals

# 2018 State Flood Assessment

## Key Takeaways

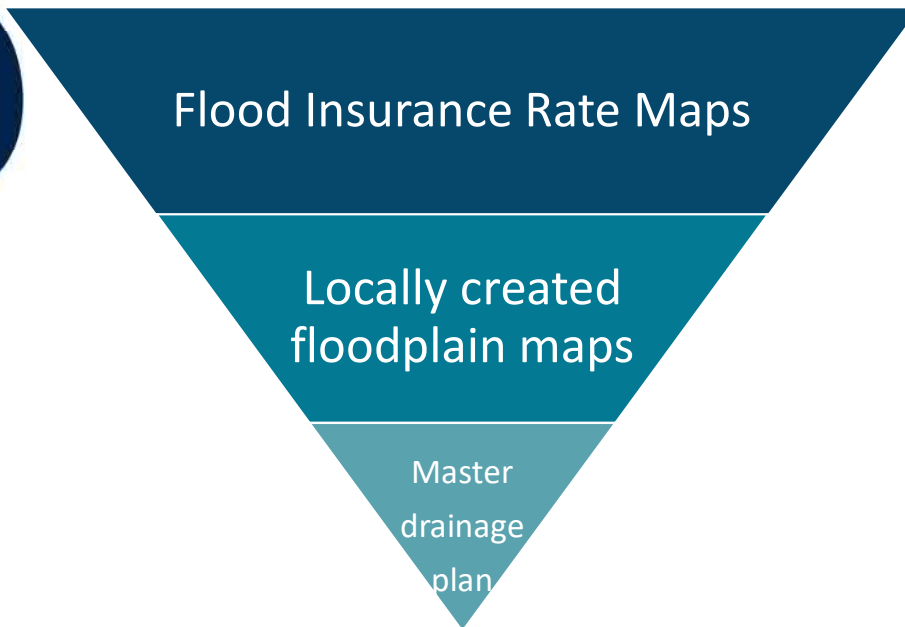
### National Flood Insurance Program Claims 1976-2018



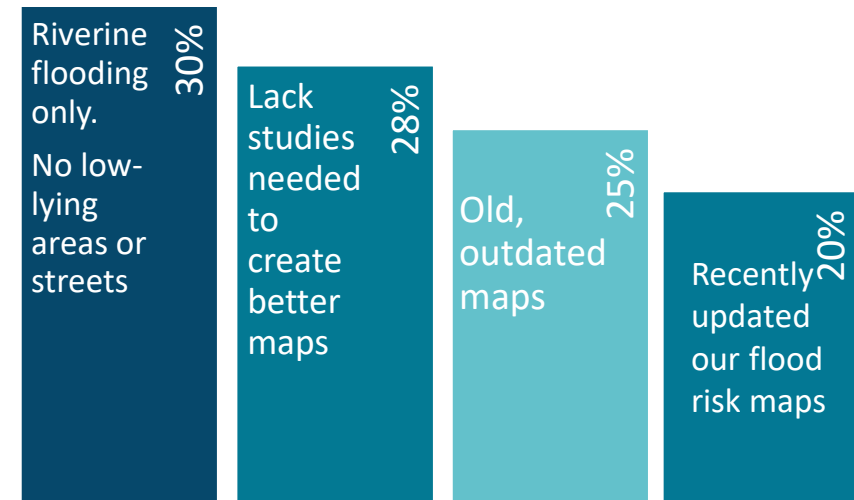
# 2018 State Flood Assessment

## Key Takeaways

Question: Which of the following is used to define flood risk in your jurisdiction?



Question: Which of the following accurately describes your community's flood risk maps?



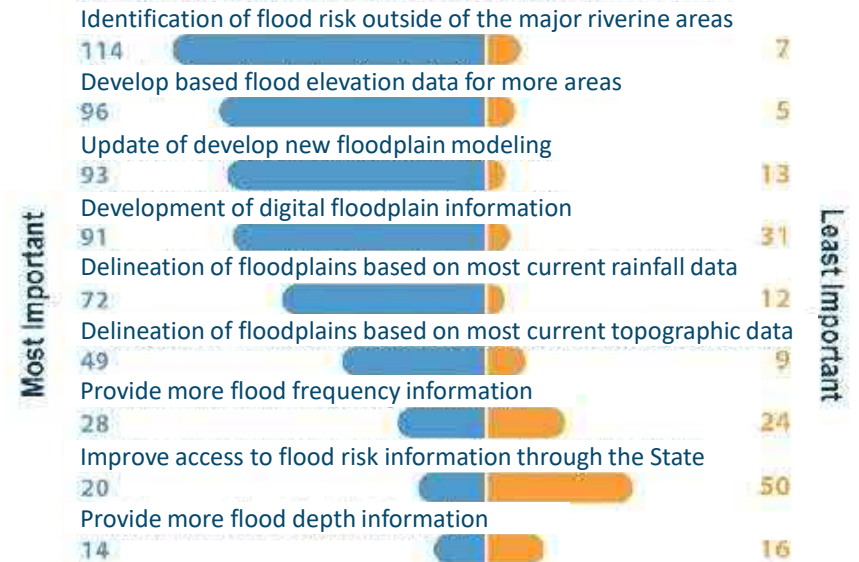
# 2018 State Flood Assessment

## Key Takeaways

My community or jurisdiction would most benefit from more state resources directed at:



With regard to your community's flood risk maps, how important are these activities?



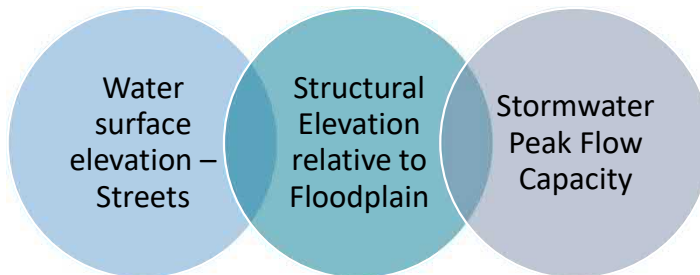


# Standards vs. Goals

## Standards

Establish consistent protocols for floodplain management that can be universally applied

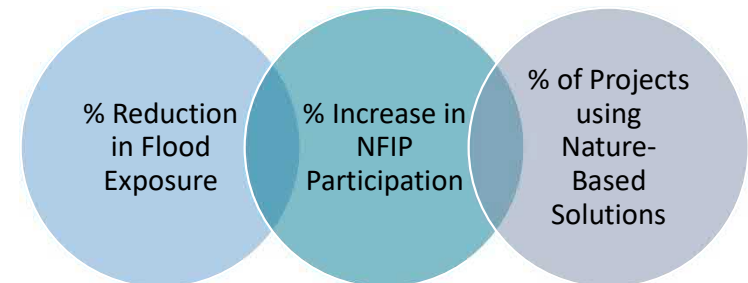
*Examples:*



## Goals

Set specific timelines and goalposts to implement proven flood mitigation measures, reducing future risk for people and property.

*Examples:*



Must be measurable and have a timeframe!

# Standards: Recommend or Adopt?

Recommend means just that – all FMEs, FMSs and FMPs can be considered

Adopt means that if RFPG establishes a standard, then the jurisdiction must meet that standard BEFORE the FME, FMS or FMP can be considered for inclusion in the plan

# Timeframe for Floodplain Management Standards

June - July



Collecting Standards in Survey



Summarize Common Themes in Standards

August



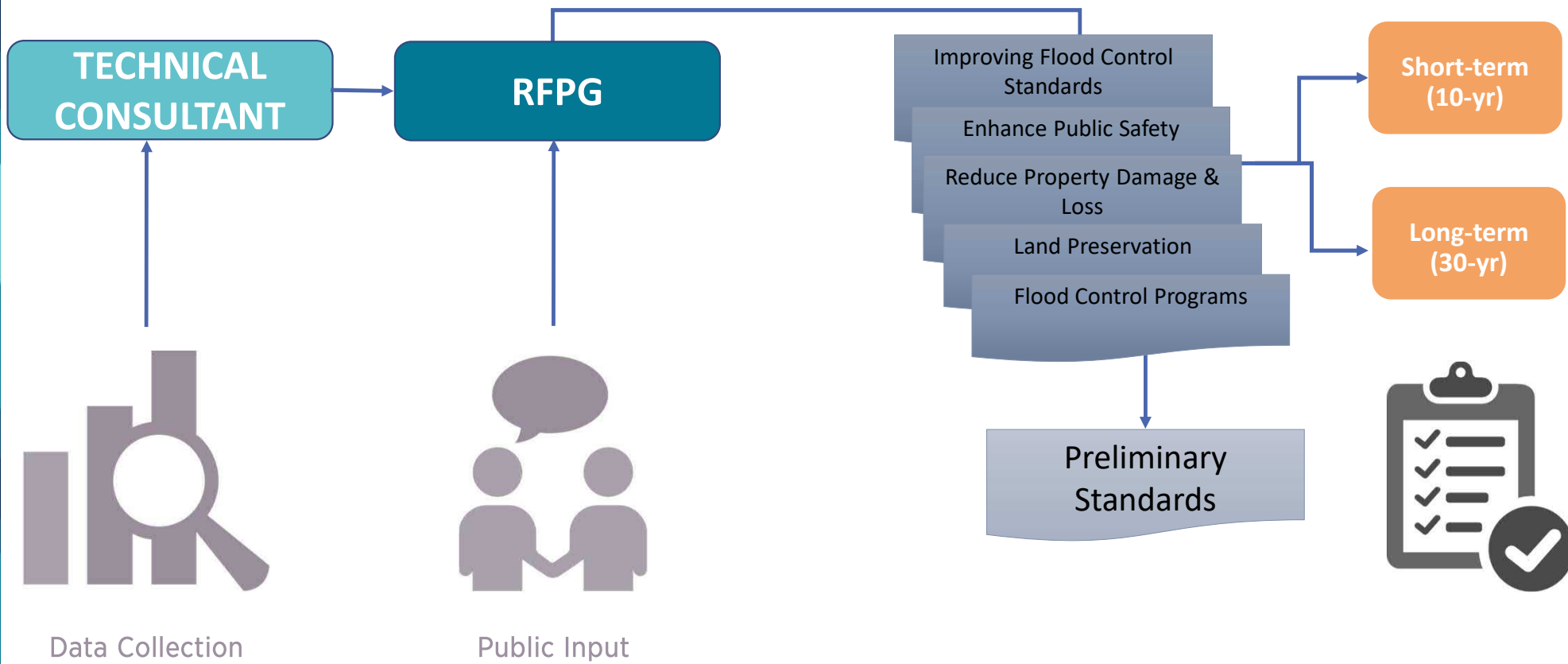
Bring These To RFPG For Discussion

Sept



RFPG - Consider Taking Action on Region-wide Standards

# Goal Setting Process



# TWDB Guidance - The Givens

**What does TWDB  
hope to achieve with  
this plan?**



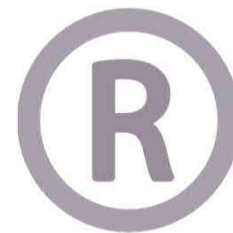
# Goals Must Be:



Specific &  
Achievable



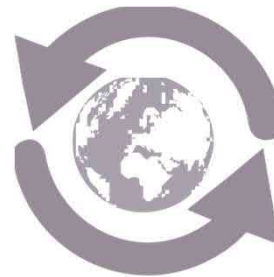
Reduce Residual  
Risk



Recommended  
or  
Required



Short-term (10 years)  
&/or  
Long-Term (30 years)



Regionwide  
Or Subregional



## POLL EVERYWHERE

We will be using remote audience engagement tool **Poll Everywhere** during today's meeting. Please participate using one of the following methods:



**Please choose one word that describes your top priority for the Regional Flood Planning Effort.**

# Improving Flood Control Standards

A) Local Floodplain ordinance that meets the NFIP standards

B) Participation in NFIP Program

C) Standards greater than NFIP

D) Regulation to future flood conditions

## Enhancing public safety

- A) Improving Low Water Crossings
- B) Installing Flood warning systems
- C) Reducing the number of flood related injuries
- D) Reducing the number of flood related deaths

# Reducing Property Damage and Loss

- A) Avoiding new development in floodprone areas
- B) Reducing flood risk to existing structures
- C) Reducing flood risk to agricultural and ranching areas

# Land Protection

- A) Protection of Natural Areas
- B) Reducing flood-related loss of natural and cultural resources
- C) Preservation of Floodplains
- D) Use of nature based practices to promote flood control

# Flood Control Programs

A) Increasing flood hazard data coverage (maps and models)

B) Continuous funding mechanism

C) Asset management plans

**From the goal categories discussed, please rank the categories you believe will yield the highest value for this planning effort**

- A) Improving Flood Control Standards
- B) Enhancing Public Safety
- C) Reducing Property Damage & Loss
- D) Flood Control Programs
- E) Land Protection



**Please share some of your thoughts and ideas!**



# What will we do with your input?

At our August meeting, we will present you with draft goals for your approval that incorporate the feedback today, the results of our research and the TWDB's guidance for measurable plan goals

Example Goals				
Goal	Term of Goal	Target Year	Applicable to	Overarching Goal
50% of the region's population is part of a municipality that has a dedicated funding mechanism for drainage projects.	Short Term	2033	Entire Region	Protect against the loss of life and property
Consider and incorporate nature-based practices in flood risk reduction projects.	Short Term	2033	Entire Region	Protect against the loss of life and property
Enroll 50% of non-participating communities into the National Flood Insurance Program.	Short Term	2033	Entire Region	Protect against the loss of life and property

An underwater photograph showing the surface of the ocean with gentle waves. The water is a deep, clear blue. The text "Public Outreach Update" is overlaid in the lower half of the image.

# Public Outreach Update




# Public Outreach: Completed/Underway

- Key stakeholders list
- “Coming soon” survey preview e-postcard
- “What to prepare” 2<sup>nd</sup> survey preview e-postcard
- Handouts for RFPG members’ use in stakeholder outreach
- Postcard to survey participants
- Web domain name ([www.trinityrfpg.org](http://www.trinityrfpg.org)) and [info@trinityrfpg.org](mailto:info@trinityrfpg.org) email address
- Approved website sitemap and wireframe
- First phase of web programming; site launch prep



## Public Outreach: Next Steps

- Website launch – initial phase, then full rollout (late June)
- Collection of “interested parties” through website “Subscribe” form (late June and beyond)
- Social media presence, focus on Twitter (July and beyond)
- PowerPoint slide deck for RFPG members’ use (July)
- Periodic e-newsletter to inform and engage (Aug./Sept. launch, continuing throughout planning period)
- Editorial meetings with key media regionwide (Summer/Fall)



# Public Outreach: Ongoing Efforts

- Branded e-alerts to stakeholders, media, interested parties
- Timely replies to inquiries submitted through website, email, mail
- Documentation of inbound queries, comments and responses
- Other printed/digital collateral materials as needed for public outreach (one-pagers, etc.)
- Updates to website FAQs, glossary, document library, resource links
- Public meetings: advance postings, e-alerts, logistics facilitation and public comment intake





## **So public input is...**

- **Received**
- **Duly considered**
- **Incorporated appropriately in plan**

An underwater photograph showing the surface of the ocean with gentle waves. The water is a deep teal color, and the light from above creates a shimmering effect on the surface. The overall mood is calm and serene.

# Ch. 8 Introduction & Overview

Administration, Regulatory and Legislative Recommendations

# Approach

---

- Present overview of TWDB task
- Collect ideas as we go
- Consider participant input
- Select recommendations



# Task Overview



“Other”





## Example Legislative Ideas

- Expand Local Government Code, Chapter 552 to allow counties to establish and collect drainage utility fees
- Allow waivers of plan amendments for small FMEs, FMSs or FMPs (based on Region C example)





## Example Regulatory / Administrative Ideas

- Establish common criteria across the region/subregion
- Provide funding to develop floodplain maps
- Adjust the FIF scoring criteria to \_\_\_\_\_



## Examples of Other Ideas

- Educate county leaders regarding authority to establish and enforce higher standards
- Provide for alternative funding sources
- Provide education to State policy makers related to \_\_\_\_\_

**Please share some of your thoughts and ideas!**





**WHAT NEXT?**

# LOOK-AHEAD

## August

- Pre-Planning Meeting #2
- Preliminary survey & web map results
- Determine floodplain management and mitigation goals

## September

- Map & Chapters 1, 2 & 3 approvals
- Process to identify FMEs, FMSs & FMPs (Chapter 4)

## October

- No meeting

## November

- Chapter 4 & Tech Memo approvals


## December

- No meeting (unless needed to approve Tech Memo)





## 10. Updates from adjoining coastal regions



# 11. Updates from Planning Group Sponsor



# 12. Receive registered general public comments

Limit 3 minutes per person



13. Consider meeting date for next meeting



14. Consider agenda items for  
next meeting



# 15. Adjourn



Region 3 Trinity Flood Planning Group Meeting  
May 27, 2021  
9:00AM to 12:00PM  
Publicly Accessible Videoconference

Meeting was conducted via WebEx and telephonically

The Region 3 Trinity Flood Planning Group held a meeting via WebEx on May 27, 2021, at 9:00 a.m. Acting Chairman Glenn Clingenpeel called the meeting to order at 9:00 AM.

Voting Members Present:

Lissa Shepard  
Sano Blocker  
Jordan Macha  
Rachel Ickert  
Matt Robinson (absent)  
Sarah Standifer  
Andrew Isbell  
Glenn Clingenpeel  
Mike Rickman (absent)  
Scott Harris  
Melissa Bookhout

Nine voting members were present, constituting a quorum.

Ex Officio Members Present:

Adam Whisenant  
Brian Hurtuk (absent)  
Rob Barthen  
Steve Bednarz  
Jonah Chen  
Richard Bagans  
Kevin McCalla  
Greg Waller  
Todd Burrer  
Jerry Cotter  
Lisa McCracken  
Diane Howe (absent)  
Ellen Buchanan

Approval of the Minutes of the Last Meeting

Motion: Rachel Ickert moved to approve the minutes; Second: Jordan Macha; Action: Minutes unanimously approved.

## TWDB Update

Richard Bagans gave a brief update on the progress of the contract between TWDB and Trinity River Authority. Mr. Bagans talked about the technical guidance that had been completed and posted to their website. He stated that the documents, which are Exhibit C and Exhibit D of the contract, are very detailed and are largely focused on the work of the technical consultants. He explained the importance of the Scope of Work which will need to be completed over the first cycle. He also stated that the subcontracts with Halff were under review with the TWDB contracts team.

Andrew Isbell asked if there was a way to make changes to the exhibits or if they were set in stone. Mr. Bagans stated that they were trying not to make any changes unless necessary but that there were a few options available. Mr. Isbell also wanted to know who generated the documents. Mr. Bagans stated that the TWDB with the assistance of an advisory group had generated the workplan. He further stated that the documents had been publicly posted for comments and that comments received through that process had been incorporated into the final version.

## Report from Nominating Committee

Scott Harris gave an update from the Nominating Committee. They had four positions open as of the last meeting, one of which was for a representative from the small business interest category, and the other three were for councils of government positions. All four were posted to the Texas Water Development Board's website, and according to the bylaws 30-day requirement, the committee must accept applications through the 7<sup>th</sup> of June. Mr. Harris stated that to date there had only been one application for the COG positions and asked that if anyone knew of any interested parties to please help get information to them about the vacant positions. He went on to explain that after June 7 there is a mandatory 10-day waiting period before the committee can recommend a candidate. He advised that he would be setting up a meeting with the Nominating Committee after the mandatory 10-day period to evaluate the candidates, and that the committee would bring recommendation to the next board meeting.

Andrew Isbell asked for clarification on the requirements for the small business position. Scott Harris responded that they had to be able to represent the interests category for which they seek election, and that they would have to have ties to small business in the Trinity basin.

## Update from Region 3 Technical Consultant

Stephanie Griffin, Project Manager for Halff Associates, gave a presentation on the project schedule, flood planning overview & approach, as well as an update on the Region 3 group website development. She reminded the group of the three primary deadlines in the development of the regional flood plan:

- Technical Memo Chapters (1-4) due January 7, 2020;
- Draft Plan due August 1, 2022; and
- Final Report due January 2023.

Ms. Griffin went over the steps of the project, their timeline, scope of work, roles, and responsibilities of the consultant and the RFPG, and what is achievable and practical during the first round of planning.

Ms. Griffin continued her presentation by discussing stakeholder engagement. She gave a comparison between state water planning and flood planning, the role of public engagement, and data collection from local stakeholders.

Next to present was Samuel Amoako-Atta, GIS Team Leader with Halff. He gave a brief presentation on data collection and what it will involve, from where the information will be collected (such as administrators, city engineers & county engineers), and how it will be used. He also showed how the website for data collection works and what information will be entered. They are planning on having the website ready in June and plan on presenting it to the RFPG before they launch it publicly.

Colby Walton, President of Cooksey Communications, continued the presentation with an overview of the Trinity RFPG Website. He explained the site architecture and the focus on public participation. The primary goal for the website is to have something simple, straightforward, intuitive and ease to navigate. Mr. Walton also showed an example of what the website would look like and what information would be displayed. He recommended a domain name of trinityrfpg.org but stated that they do have other options if the group preferred. Mr. Walton also showed two logos they had prepared for consideration and asked the group if they had a preference. No preference was expressed by group members, and so the logo recommended by the consultant was selected.

Stephanie Griffin proposed an amendment to the existing schedule of bimonthly meetings, suggesting a meeting in June, but then waiting until September to convene again. Should the need arise for a mid-summer meeting, she suggested one could be arranged to be held virtually. However, this will depend upon a continuation of the governor's

emergency declaration. Under the proposal, there would also be a meeting in November 2021, in accordance to the bimonthly schedule.

In reference to the June meeting, Scott Harris asked for clarification/purpose on the Pre-Planning meeting. Mr. Clingenpeel explained the intent of the meetings was to provide the public with an opportunity to talk about what the structure of plan will entail before getting into the planning process itself. Mr. Harris then asked if it would be possible for Halff to come up with a one-page sheet that would identify the requirements to get a project into the plan and the steps to do so. Ms. Griffin agreed.

After a brief discussion it was decided to proceed with an in-person June meeting and then decide whether there would be a need for an August meeting based on workloads and desired third-party presentations.

#### Update from Liaisons Region 5 and 6

Ellen Buchanan, the Region 3 liaison for Region 5, reported that group was in a similar position to the Region 3 Group. She mentioned that they had held a meeting on May 13 during which the Corps of Engineers gave a presentation of dam operations, which she found very useful.

Mr. Clingenpeel then called upon Scott Harris for an update from the Region 6 Flood Planning Group. Mr. Harris stated that the Region 6 group had also last met on May 13, that they had introduced their technical consultant, and had received a presentation from the Harris County Flood Control District. He reported that they also held a subsequent pre-planning meeting on May 18.

#### Update from Planning Group Sponsor

Howard Slobodin stated that TRA was submitting sub-consultant contracts to the TWDB for review and believed the process would not take long. He stated he had no other updates at the time.

#### Report on Flood-related legislation from the 87<sup>th</sup> Legislative Session

Sarah Kinkle, Director of Policy and Legislative Affairs for TWCA provided a presentation to the group on bills and activities during the 87<sup>th</sup> legislative session that were relevant to flooding and flood planning. Ms. Kinkle stated that the bill she believed would most directly impact the flood planning groups were several bills that would have allowed for remote meetings and video conferencing. She stated, however, that none of the proposed bills had passed. As a result, upon expiration of the Governor's COVID-related emergency declaration, in-person attendance would be required.

### Presentation from National Weather Service

Greg Waller with the West Gulf River Forecast Center gave a presentation on forecasting flooding in the Trinity River. He stated that their area goes from the Sabine River to the Rio Grande but they do not cover the Red, Canadian or the Sulphur rivers. However, Mr. Waller stated that they do coordinate with forecast centers in those river basins during statewide briefings. Mr. Waller explained the process for obtaining the river forecasts and the components they utilize for this process. These include radar, rain gauges, satellites and meteorological forecasts to gather the necessary information to create river forecasts. He went on to say that they also use measured precipitation, soil moisture conditions, 3-day forecast rainfall, and lake releases. He explained that all of this data goes into their models, along with partner data, to create river forecasts and flood warnings. He closed by mentioning that Dr. Amanda Schroeder in the NWS For Worth office, and Katie Landry-Guyton in the NWS Houston/Galveston Weather Forecast Office were the two primary contacts in the Trinity basin.

### Presentation from Texas Living Water: "Nature Based Solutions for Flood Mitigation: Overview for Region 3"

The group received a presentation from Texas Living Waters on nature-based solutions for flood risk reduction. Dr. Arsum Pathak, National Wildlife Federation, started the presentation touching on the importance of nature-based solutions, hybrid solutions, funding opportunities, case studies, local recommendations and equity considerations. She also discussed how nature-based solutions center around conservation, restoration, or emulation of an existing natural ecosystem using natural features, materials and processes that reduce the risks and impacts of flooding.

Danielle Goshen of the Galveston Bay Foundation continued the presentation, discussing how nature-based infrastructure can work symbiotically with traditional infrastructure in hybrid solutions. She provided several case studies.

### Receive general public comments

Mr. Clingenpeel opened the meeting to public comments. No members of the public indicated they wished to make comments, and the public comment period was closed.

### Meeting date for June 2021 meeting

The time and date of the next meeting was set for 10:00 a.m. Thursday, June 24, 2021. The meeting was decided to be held in person.

Agenda items for next meeting

The following items were discussed as potential topics to be included in the next meeting:

Consider filling COG and Small Business seats

Report from Technical Consultant

Presentation from USACE

Other Business

N/A

Adjourn:

The meeting was adjourned at 11:24 AM.

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 MAY 27, 2021.

\_\_\_\_\_  
SCOTT HARRIS, Secretary  
REGION 3 TRINITY FLOOD  
PLANNING GROUP

\_\_\_\_\_  
Date

\_\_\_\_\_  
GLENN CLINGENPEEL, Chair  
REGION 3 TRINITY FLOOD  
PLANNING GROUP

\_\_\_\_\_  
Date