Regional Flood Planning Group Meeting Trinity River Authority

May 27, 2021





AGENDA

- Team Introductions
- Project Schedule
- Flood Planning Overview & Approach
- Website Update
- Next Steps

INTRODUCTION THE HALFF TEAM









Stephanie Griffin



Dr. David Rivera



Ben Pylant



Heather Ferrara



Dr. Nick Fang



Colby Walton

Other Key Staff Morgan Berry Sam Amoako-Atta Kimberly Miller Chris Johnson

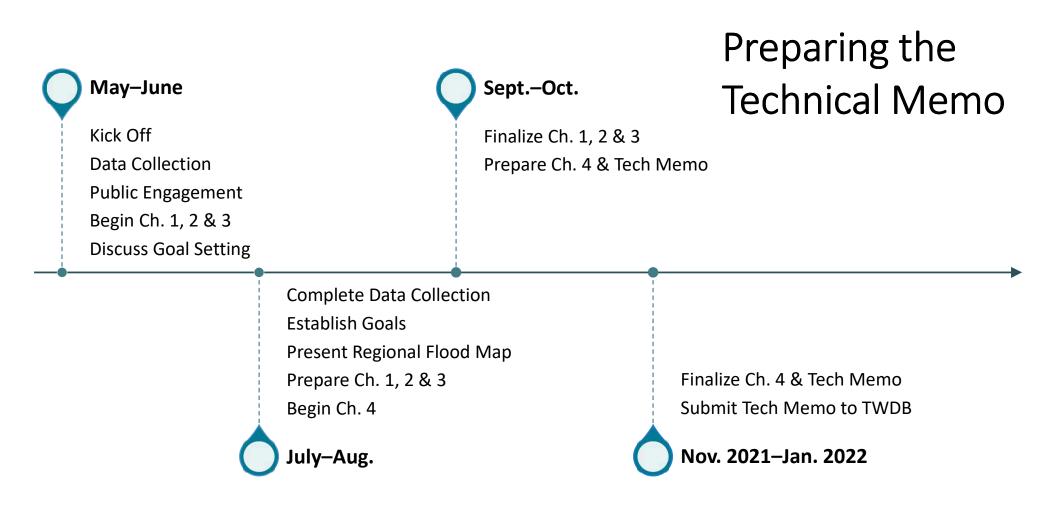
Scott Hubley Pam Hawkins Joel Rowe Reyne Telles

FLOOD PLANNING OVERVIEW



Project Schedule





FLOOD PLAN

SCOPE OF WORK

DATA COLLECTION & RISK ANALYSIS

- Task 1: Planning Area Description
- Task 2A: Existing Condition Flood Risk
- Task 2B: Future Condition Flood Risk

FLOODPLAIN MANAGEMENT PRACTICES & GOALS

- Task 3A: Floodplain Management Practices
- Task 3B: Floodplain Management Goals

IDENTIFICATION OF NEEDS

- Task 4A: Needs Analysis
- Task 4B: Identify FME, FMS, FMP
- Task 4C: Tech Memo

EVALUATIONS, STRATEGIES, & PROJECTS

- Task 5: Evaluate/Recommend FME, FMS, FMP
- Task 6A: Impacts of Regional Plan
- Task 6B: Contribution / Impacts of Water Supply

FLOOD PREPAREDNESS, POLICY, & FINANCE

- Task 7: Flood Response Information and Activities
- Task 8: Administrative, Regulatory, and Legislative Recommendations
- Task 9: Flood Infrastructure Finance

Roles and Responsibilities

	Data Collection & Risk Analysis	Floodplain Mgmt Practices & Goals	Identification of Needs	Finalize Tech Memo
Consultant's Role	 Perform data collection & public outreach Facilitate planning & public engagement (ongoing) 	 Analyze flood risk Produce regional flood map Facilitate goal setting Prepare Ch. 1, 2 & 3 	 Finalize Ch 1, 2 & 3 with requested edits Perform flood mitigation needs analysis Develop potentially feasible FMEs, FMSs & FMPs (Ch. 4) Prepare Tech Memo 	 Finalize Ch. 4 and Tech Memo Coordinate printing Submit to TWDB
Trinity RFPG's Role	 Review data collection Assist with outreach 	 Determine goals Review & approve Ch. 1, 2 & 3 Approve identification process for FMEs, FMSs & FMPs 	 Review & approve Ch. 4 and Tech Memo 	

Goals:

- Meet TWDB requirements
- Establish solid foundation for future flood planning cycles

What Can We Achieve in the First Round of Planning?

Constraints:

- Large area
- Schedule
- Budget
- Readily available data

Likely Outcomes:

- Additional studies needed (FMEs)
- Additional details needed to meet TWDB criteria for projects to qualify as FMPs
- Few projects will likely meet TWDB criteria to be classified as FMPs

STAKEHOLDER ENGAGEMENT

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Setting a New Standard: Comparing State Water and Flood Plans

WATER PLANS, Since 1997

Well-developed data, tools, and methods for:

- Historical water use
- Population and water demand projections
- Surface and groundwater supply availability
- Water supply is a commodity that generates revenue

FLOOD PLANS, Since 2021

Inconsistent data, tools and methods:

- Limited history of local and regional flood planning
- Flooding is episodic
- Response is disaster-driven
- Flood hazard mitigation does not generate revenue

Public Engagement: Identify Stakeholders

Engaging stakeholders with key information about local problems, plans and projects will paint a clearer picture of Flood Risk

Floodplain Administrator Emergency Managers Community Executive Regional Organizations Community Organizations

Public Engagement: Goals and Roles

Regional Goals	 RFPG decision Public & stakeholder input
Data	Floodplain managersLocal leaders
Collection	Flood expertsCommunity organizations
Projects	 Floodplain managers Local leaders Flood experts Community organizations
Priorities	 RFPG decision Public & stakeholder input

DATA COLLECTION

Data Collection Website Home Page

0. Welcome

1. Your Info

2. Backgrounder

3. Questions

The <u>Texas Water Development Board (TWDB</u>) has designated 15 regional flood planning areas throughout the state. Through <u>Regional Flood Planning Groups (RFPGs</u>), the TWDB will develop regional flood plans that will be combined into the first state flood plan in September 2024. The overall goal of the RFPGs is to determine the nature of flood risk in the regions, evaluate flood mitigation and management practices, identify areas for future mitigation projects, and the impact to flood infrastructure functionality. You can help by ensuring the data about your community is current and accurate.

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.

- Partners in the RFPG process include:
- Community Officials
- · Federal, State, regional, local, and non-profit organizations
- Other identified stakeholders

For more information regarding the [Flood Region] Basin, a quick synopsis is located here.

At this time, the RFPGs are asking communities to help:

- Provide your contact information
- · Verify high level flood risk-related information
- · Complete a questionnaire concerning flood risk data and issues within your community
- · Help identify problem areas and areas of mitigation success within your community using a webmap

Click here to download a list of commonly used flood related acronyms.



Data Collection Website Your Info

0. Welcome	1. Your Info	2. Backgrounder	3. Questions
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Data Collection Website Your Info

0. Welcome

1. Your Info

2. Backgrounder

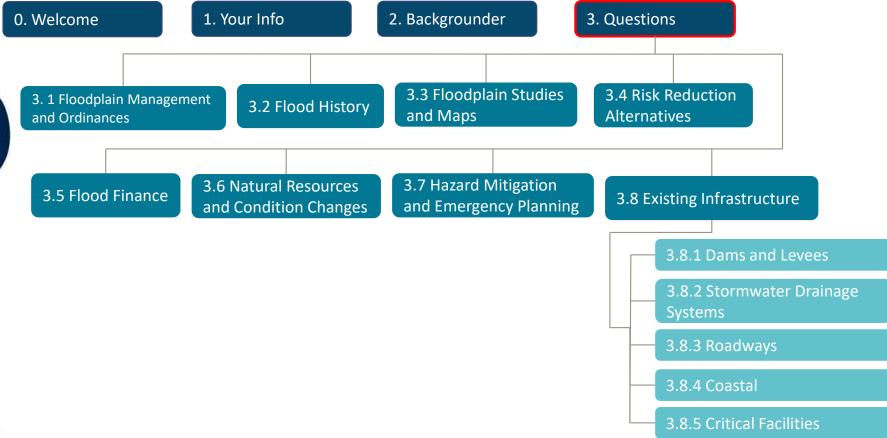
3. Questions

Community Backgrounder for: City of Ferris

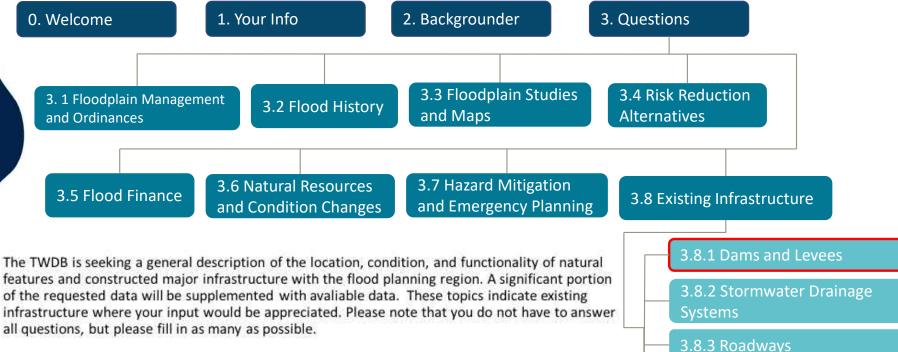
The following is publically available information about your community with a reference to the source of the data. Please review and update it with any additional data you have available.

Field	What We Found	Your Updated Info
Community ID: (Source: FEMA)		
Population: (2019 American Community Survey)	4,495	4495
NFIP Participant: (Source: FEMA)	Yes	Yes O No
CRS Rating: (Source: FEMA)	N/A	N/A
Mitigation Plan: (Source: Community Website)	Yes	Yes O No
Mitigation Plan Name: (Source: Community Website	Ē	The name of the plan
Number High Water Marks:		Ö
Number Low Water Crossings:		0
Total Stream Miles in Community (round to nearest tenth): (Source: FEMA)	0.0	0.0
Number of Disaster Declarations: (Source:State of Louisiana)		0
Total Flood Losses (in dollars): (Source: NFIP)	\$0.00	0.00
Number of Levees/Dams in Community: (Source: FEMA)		Q
LiDAR Availability: (Source: TNRIS)		Name of source(s)

Data Collection Website Question Categories



Data Collection Website Example – Existing Infrastructure

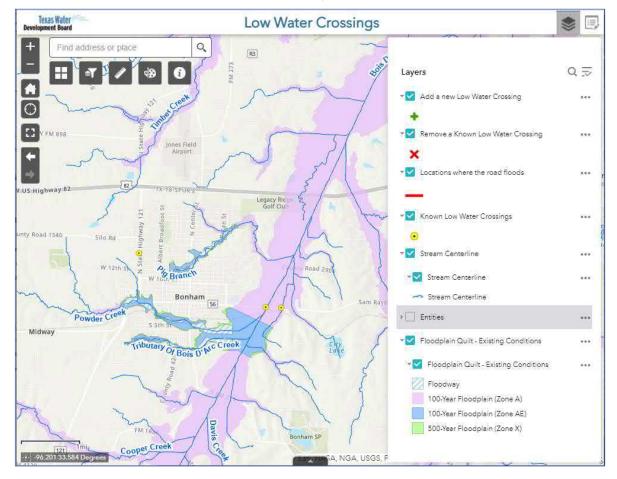


3.8.4 Coastal

3.8.5 Critical Facilities



Interactive Web Map

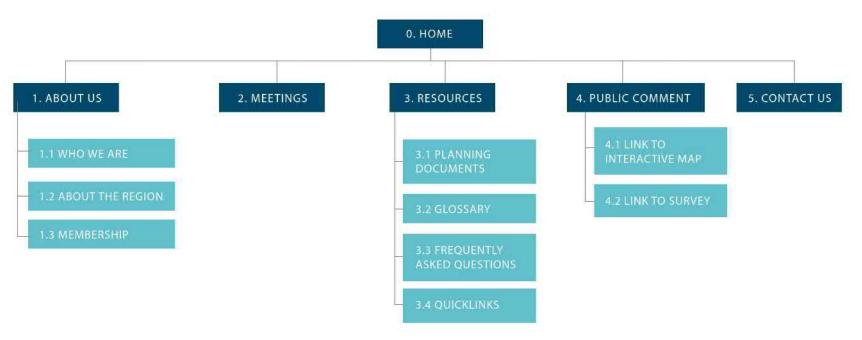


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Trinity RFPG Website



Site Architecture





Website Homepage

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Upcoming Meeting Information

June 17, 2021

Full Regional Flood Planning Group Meeting Monday, June 17, 2021, at 9 a.m

Public notice Meeting agenda Zoom link Meeting materials

Subscribe

Sign up to receive email notifications for upcoming Trinity Regional Flood Planning Group activities.

Name

Email address

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Website – Dropdown Menu

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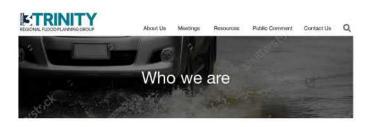
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Website – Who we are



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Website – About the region





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Website – About the region

Population Estimate (2019): 7,853,969

Approximate Area: 17,919 square miles

Approximate Stream Miles: 15,855

Approximate NFIP Claims (1975-2019): \$225,261,554

Counties Represented:

	Contraction of the second s		
Anderson*	Freestone*	Johnson*	Rockwall*
Archer*	Grayson*	Kaufman*	San Jacinto*
Chambers*	Grimes*	Leon*	Tarrant
Clay*	Hardin*	Liberty*	Trinity*
Collin*	Henderson*	Limestone*	Van Zandt*
Cooke*	Hal*	Madison*	Walker*
Dallas	Hood*	Montague*	Wise
Denton	Hauston*	Navarro	Young*
Ellis	Hunt*	Parker*	
Fannin*	Jack*	Polk*	

*Indicates this county is partially within this RFPG and is also represented by at least one other RFPG

Major Cities (Population greater than 25,000):

Allen	DeSoto	Huntsville*	Plano
Arlington	Duncanville	Hurst	Richardson
Balch Springs	Euless	Irving	Rockwall
Bedford	Farmers Branch	Keller	Rowiett
Burleson	Flower Mound	Lancaster	Sachse
Carrollton	Fort Worth	Lewisville	Southlake
Cedar Hill	Frisco	Little Elm	The Colony
Colleyville	Garland	Mansfield	Waxehachie
Coppell	Grand Prairie	McKinney	Weatherford*
Dallas	Grapevine	Mesquite	Wylie
Denton	Haltom City	North Richland Hills	

*indicates this city is partially within this RFPG and is also represented by at least one other RFPG

Major Lakes & Reservoirs:

Alders Reservoir		Lake Livingston
Bardwell Lake		Lake Ray Hubba
Benbrook Lake		Lake Ray Robert
Cedar Bayou Gener	rating Pond	Lake Waxahachi
Cedar Creek Reser	voir Trinity	Lake Weatherfor
Eagle Mountain Lak	ae .	Lake Worth
Farifield Lake		Lavon Lake
Forest Grove Reser	voir	Lewisville Lake
Grapevine Lake		Lost Creek Rese
Houston County La	ka	Mountain Creek
Joe Pool Lake		Navarro Mills Lai
Lake Amon G Carte	ar -	New Terrall City
Lake Anahuac		North Lake
Lake Arlington		Richland-Champ
Lake Bridgeport		Trinidad Lake
Lake Halbert		Wallisville Lake
Lake Kiowa		White Rock Lake
Ecoregions of Te	cas Represented:	
Blackland Prairie	Gulf Prairies	Post Oak Savana
Cross Timbers	Piney Woods	Rolling Plains

Lake Ray Hubbard
Lake Ray Roberts
Lake Waxahachie
Lake Weatherford
Lake Worth
Lavon Lake
Lewisville Lake
Lost Creek Reservoir
Mountain Creek Lake
Navarro Mills Lake
New Terrell City Lake
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Wallisville Lake
White Rock Lake

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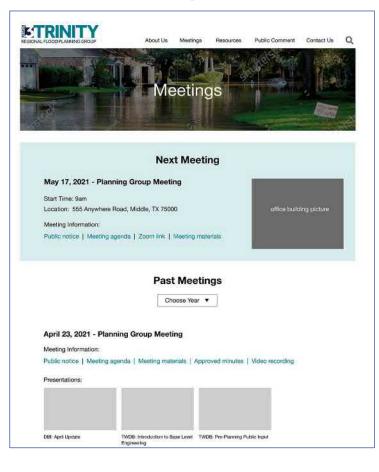


Voting Members

Name	Interest Category	Email
Claudia Lorem ipeuni	Agricultural intereste	ClassifiaRanstherwilliste.com
David Loren basen	Counties	(1859.50 americanto).com
Suran Lomm (peum	Electric generating utilities	scan@winfpst.com
Marhi Lorenti pesseni	Environmental interests	mark@xomecompany.com
Gilenn Corem (prium)	Flood riterruits	gierrell/lood lexas gos
Arthory Lorent ipsum	Industries	anthony@anotherpornatphy.com
Scjett Commignium	Muranpailties	superfillinglastries. Secon gov
Matt Lorem ipeure	Public	matt@public.texes.giv
Andrew Lorem speam	River authorities	noci-wildfitilecomprise poor
Brandan Laron ipsum	River authorities	hasdon@mycompany.com
David Lorom (paum	Sindi husinesi	dav/skithatoompany.com
Natalia Lorem iperan	Wane dankta	ratale@coolwidget.com
Michely Leven (peum	Water utilities	michale@water.texas.gov
	Non-Voting Members	
Name Title	Agency	Email
David Lovenigeum Hydrologiet	Texas Parks and Wildlife Department	monification environmente com
Notalia Loverripaizm Hazard Alfiptation	Team Parks and Welfes Department	ratale@americarwn.com
Susan Lommpeum Management	Texas Division of Emergency Management	susan@widget.com
Mark Lorentpearn Field Representative	Texas Department of Agriculture	mail/discreecompany.com
Giern Lorempeum Reld Representative	Texas State Sol and Water Conservation Board	vog asset booff@vneig
Asthony Lowençaum Condestar	General Land Office	anthony@anothencomatinic.com
Sojett Loneropaum Regional Director	Texas Water Development Board (TWDB)	sciett@inclustrine.tracas.gov
Matt, LorentipsLan Regional Director	Texas Commission on Environmental Quality	matt@public.lesas.gev
Andreas Lorenegasum Laund Mychia Alt, Engineer	Tussas Water Onivologienent Board (TWDB)	andrew@thiscomproap.com
Brandon Loremipeum Gerwiel Klassger	US Array Corps of Engroems, Fort Worth Dathst	brandun@mysompary.com
David Lonarriginum County Manager	US Arrry Corps of Engineers, Tuber District	maxidthatoonpany.com



Website – Meetings



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Website – Planning documents

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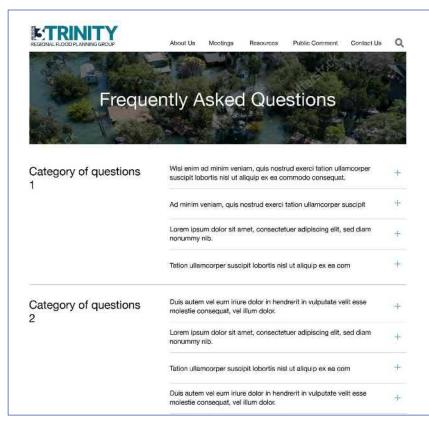
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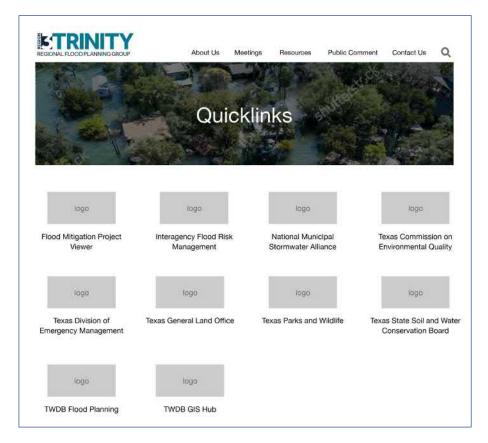


Website – FAQs





Website – Quicklinks



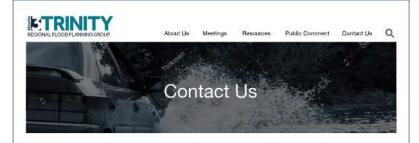


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Website – Contact Us



Planning Group Sponsor

David Loremipsum, Local Government Services Director Trinity Regional Planning Commission

Email: david@companyname.com Phone: (555) 555-5555 Fax: (555) 555-5555

Region 3 Trinity Regional Flood Planning Manager

Phillis Loremipsum, Assistant City Manager

Email: phillis@anywhere.gov Phone: (555) 555-5555

Mailing Address:

Region 3 Trinity 1500 Higway 8th Ave. Anywhere, TX 77777

Physical Address:

Region 3 Trinity Regional Planning Commission 1500 Higway 8th Ave. Anywhere, TX 77777



Domain Name

- trinityrfpg.org
- Along with .com and other variants



Logo Selection

Option A



Option B



WHAT NEXT?

LOOK-AHEAD

June

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

July

• No meeting

August

• No meeting

September

- Map & Chapters 1, 2 & 3 approvals
- Process to identify FMEs, FMSs & FMPs

October

• No meeting

November

• Chapter 4 & Tech Memo approvals

December

• No meeting (unless needed to approve Tech Memo)

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