

REGION 8

LOWER BRAZOS REGIONAL FLOOD PLAN

Public Open House Meeting No. 3

Williamson County Engineer's Office (Georgetown)
March 30, 2022



Opening Remarks

Sam Hinojosa, P.E., CFM
Project Manager, Halff Associates

Welcome

Brandon Wade, P.E.
Lower Brazos RFPG Chair

Presentation Outline

- Open House Meeting Overview
- TWDB State Flood Planning Highlights
- Lower Brazos Regional Flood Planning Group
- Project Scope of Work Summary
- Data Collection Request
- Project Schedule
- Interactive Stations

Open House Meeting Overview

Purpose:

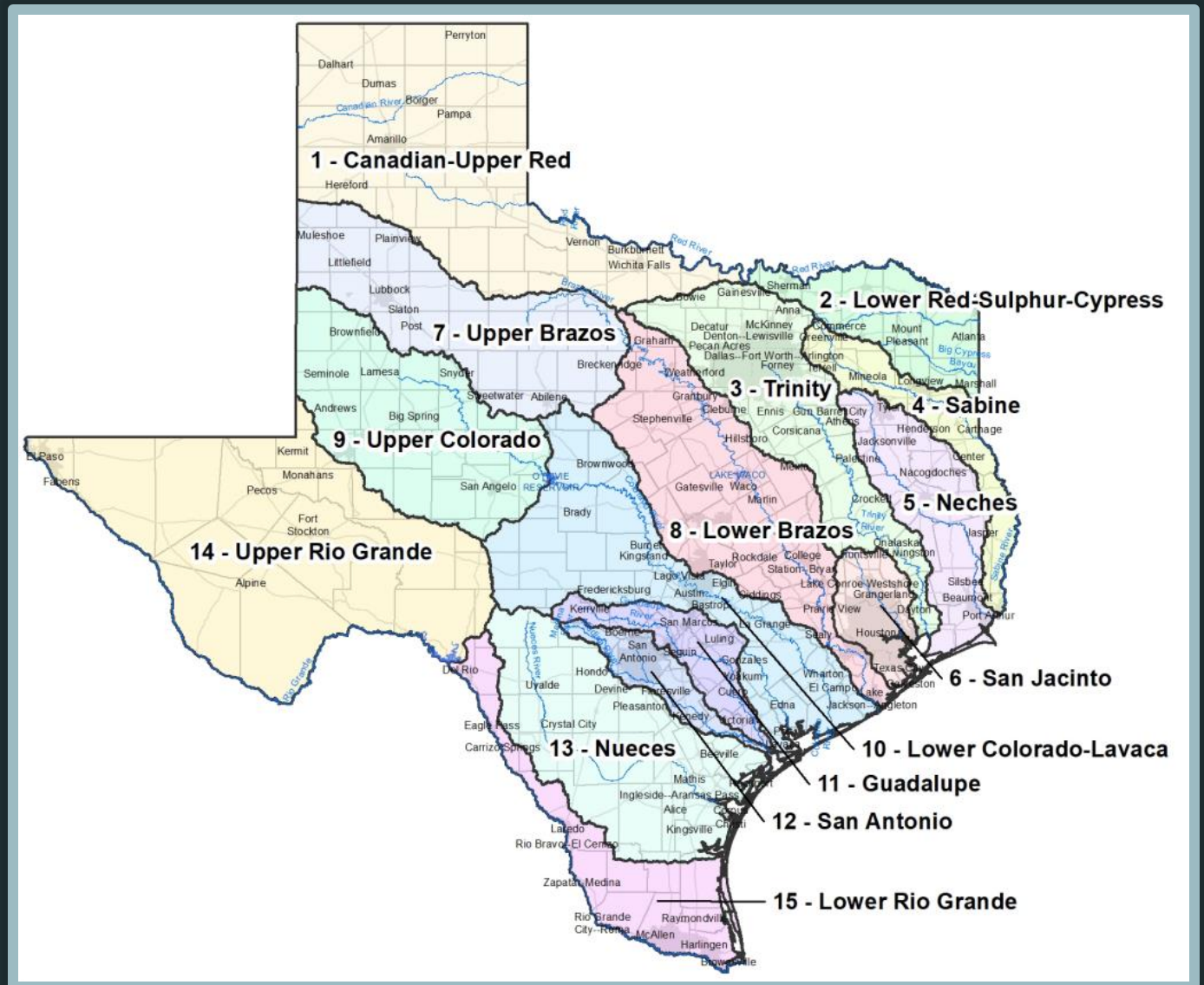
- Educate the public on the planning process, provide update on progress, and gather feedback.
- Understand the flood risk needs in the region.
- Increase participation in planning process from stakeholders and the public.

Relevance:

- We need your input to make sure the flood-related concerns, challenges and goals are accurately captured for the entire region.
- Your applicable flood risk needs will be included in the plan and may be eligible for future funding.

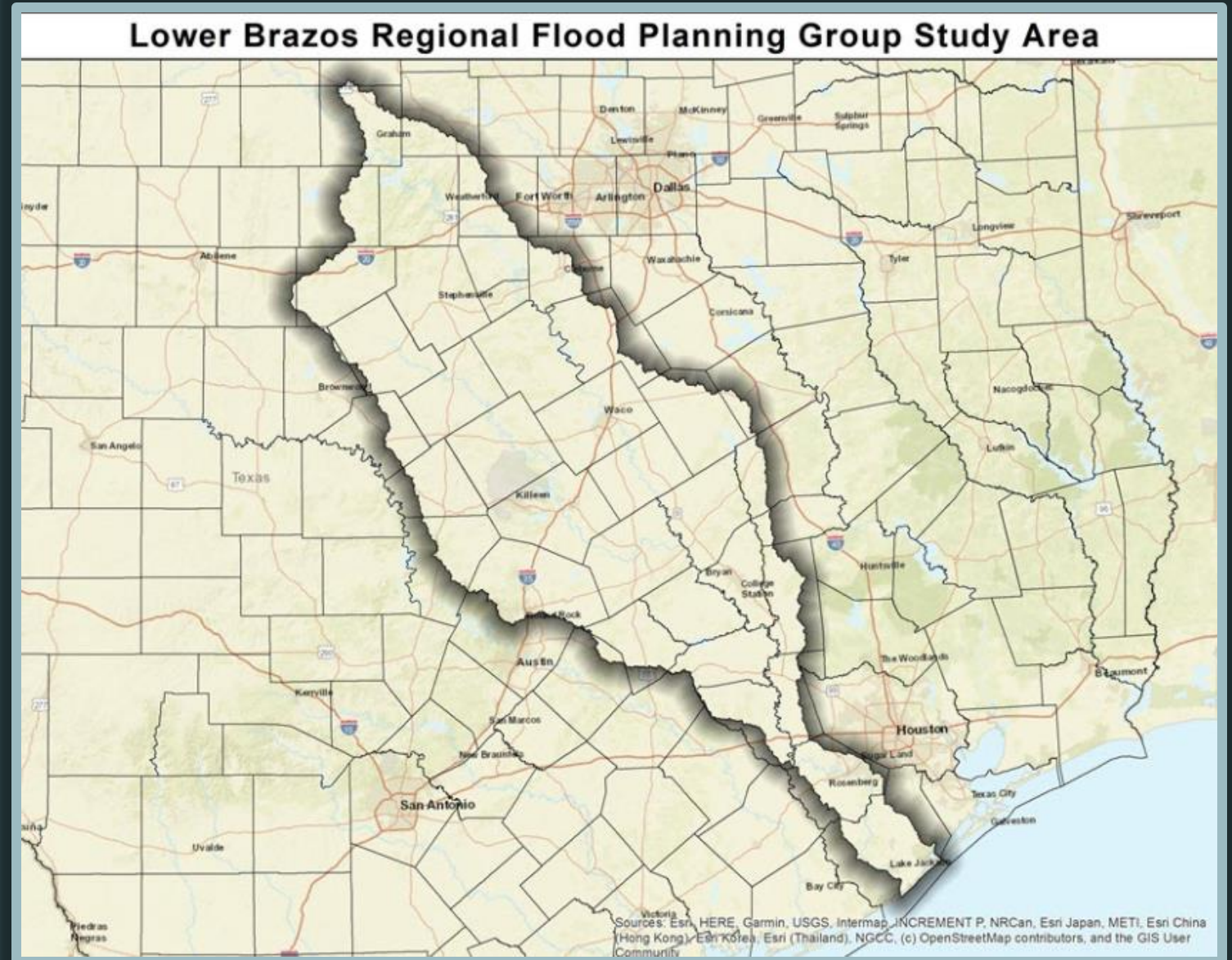
State Flood Plan Overview

- In 2019, the 86th Texas Legislature passed Senate Bill SB8
- SB8 provides a process for statewide flood planning
- Texas Water Development Board (TWDB) charged with implementing SB8
- Fifteen (15) regional flood planning groups created by TWDB



Regional Flood Plan Overview

- Each regional flood planning group (RFPG) will develop regional flood plan
- Bottom-up approach to flood planning
- Updated plans required every 5 years
- **Projects must be included in plan to be considered for TWDB funding assistance**



Lower Brazos Region



MAJOR STREAMS

- Brazos River
- North Bosque River
- Leon River
- San Gabriel River
- Lampasas River
- Little River
- Navasota River
- Yegua Creek
- Oyster Creek

RESERVOIRS

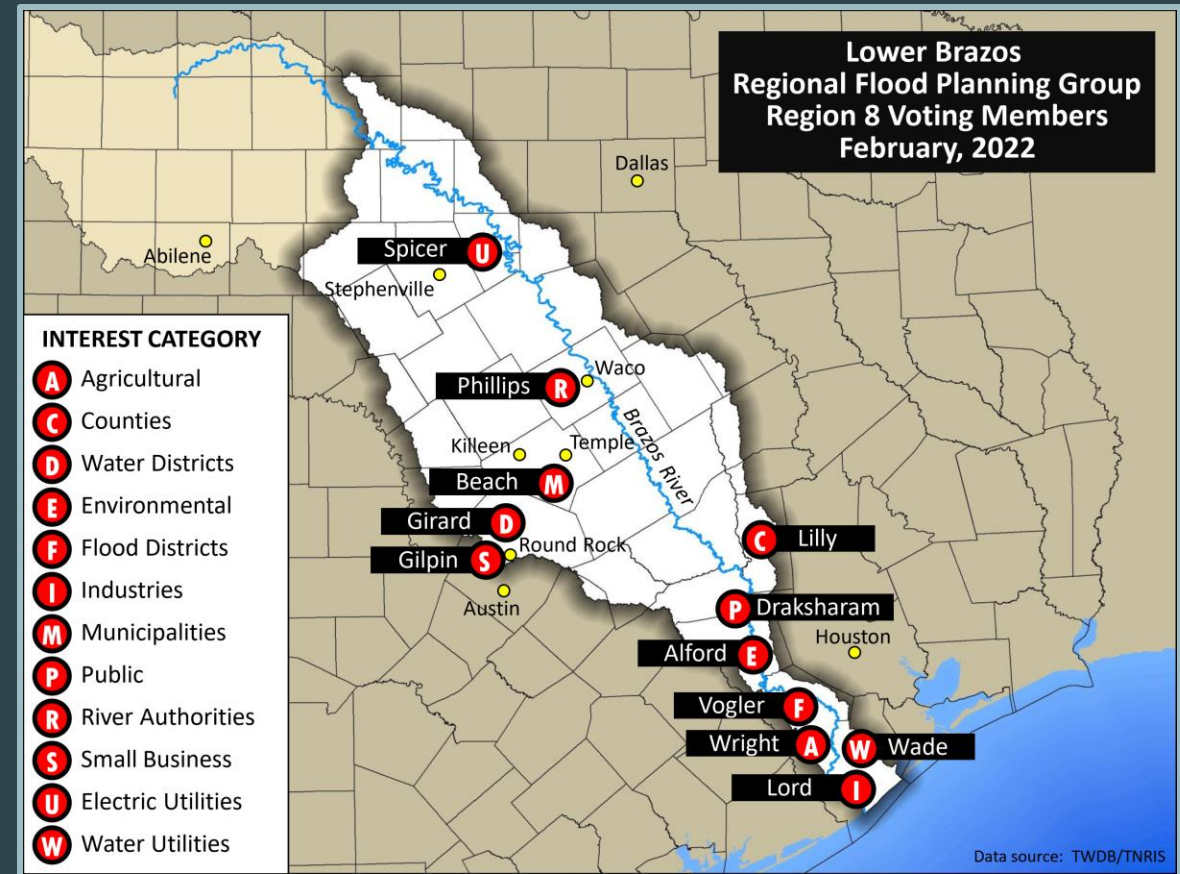
- 9 flood control reservoirs
- 3 water supply reservoirs

BASIN DETAILS

- Extents: 23,450 square miles
- 2020 Population: 3 million
- Number of counties: 43
- Number of communities: 193

Lower Brazos RFPG Members (Voting)

Name	Interest Category
Claudia Wright	Agricultural Interests
David Lilly	Counties
Gary Spicer	Electric Generating Utilities
Susan Alford	Environmental Interests
Mark Vogler	Flood Districts
Glenn Lord	Industries
Anthony Beach	Municipalities
Sujeeth Drakshram	Public
Matt Phillips, <i>Secretary</i>	River Authorities
Charlotte Gilpen	Small Business
Alysha Girard, <i>Vice-Chair</i>	Water Districts
Brandon Wade, <i>Chair</i>	Water Utilities



Lower Brazos RFPG Members (Non-Voting)

Name	Position/Title	Entity
David Young	Hydrologist	Texas Parks and Wildlife Department
Natalie Johnson	Unit Chief Recovery and Mitigation	Texas Division of Emergency Management
Michele Bobo	Field Representative	Texas Department of Agriculture
Steve Bednarz	Flood Control Program Administrator/Engineer	Texas State Soil and Water Conservation Board
<i>*Vacant Position</i>	NA	General Land Office
Ryke Moore	Regional Flood Planner	Texas Water Development Board
Richard Monreal	Waco Water Station Manger	Texas Commission on Environmental Quality
Charles Erickson	Lead Hydraulic Engineer	US Army Corp of Engineers
Larry Voice	Senior Engineer	Federal Emergency Management Agency, Region 6
Mike Turco	General Manager	Fort Bend Subsidence District
Matt Hanks	County Engineer	Brazoria County

Technical Consultant Team



Experts in
**FLOOD
CONTROL**
*70+ years of
Flood Control Experience*



Roles and Responsibilities

RFPG Member Responsibilities

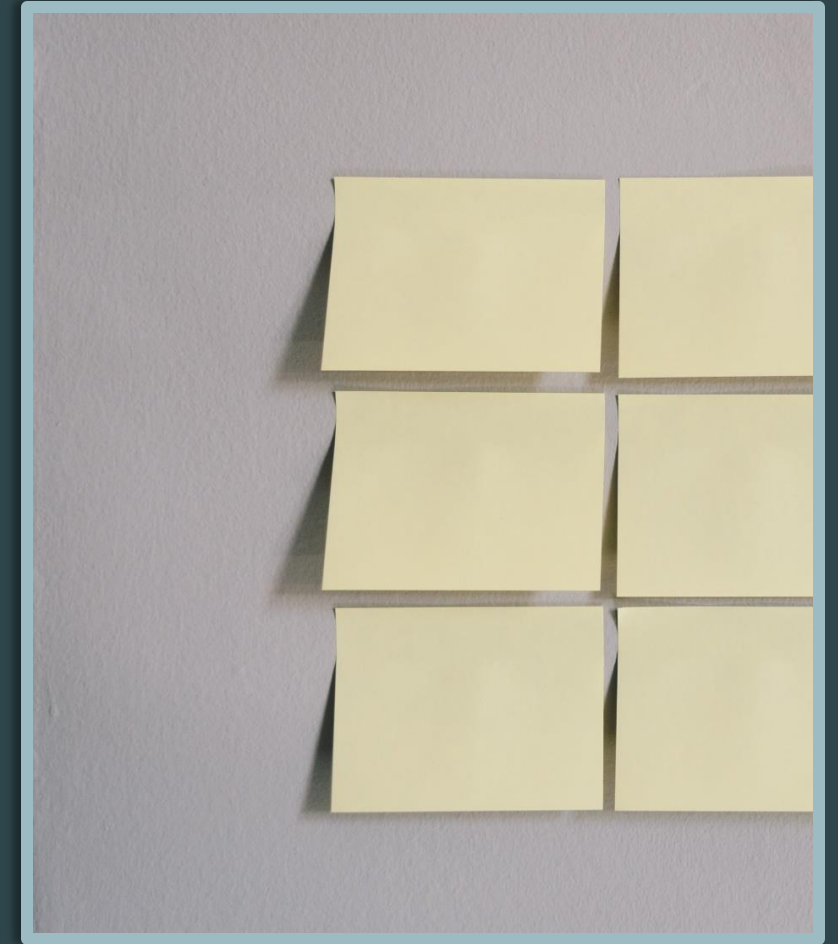
- Support public and stakeholder engagement
- Identify key stakeholders
- Prepare for and participate in meetings and workshops
- Review and provide feedback on consultant deliverables
- Approve submittal of Chapters, Technical Memo, and Draft Regional Plan
- Adopt and submit the Regional Flood Plan

Technical Team Responsibilities

- Ensure compliance with TWDB requirements and schedule
- Guide and facilitate the planning process
- Facilitate public and stakeholder engagement
- Gather data/information
- Conduct planning and technical analysis
- Prepare Chapters, Technical Memo, Draft Report, and Final Report based on RFPG input

Regional Flood Plan – Highlevel Scope

- Gather and analyze data
- Identify existing and future flood risks
- Evaluate flood management practices and determine goals
- Recommend evaluations, strategies, and project to reduce flood risks
- Develop a regional flood plan to help mitigate and provide solutions to flooding in the future



Data Collection Collaboration

TWDB Provided Data

The screenshot shows the Texas Water Development Board's website. The header includes the organization's name and navigation links for GIS Resources, GDB Template, Floodplain Quiz, What's New, TWDB, Flood Planning, and Contacts. The main heading is "GIS Resources" with the subtitle "Texas Flood Planning". A search bar is present. Below the heading, a paragraph states: "The following GIS resources have been gathered to assist the Texas Regional Flood Planning Groups (RFPGs). Many of the referenced layers are intended for cartographic purposes. Before using layers for engineering or modeling, check the intended use on the original site." A grid of ten icons represents different data categories: Critical Infrastructure, Flood Infrastructure, Flood Risk, Hydrology, Jurisdiction Boundaries, Parks, Population, Property, Terrain, and Transportation.

Other Data Sources



Data Collection

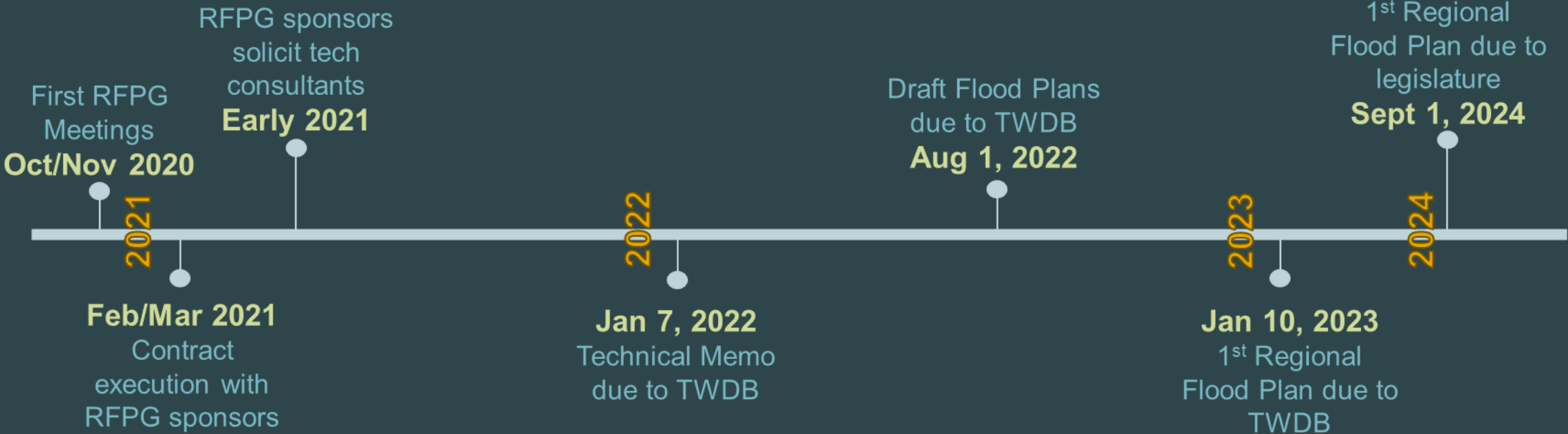
STAKEHOLDER SURVEY

- Sent out to 550 stakeholders to gather community information
 - Floodplain Management / Ordinances
 - Flood History
 - Floodplain Maps and Studies
 - Risk Reduction Alternatives
 - Flood Finance
 - Natural Resources & Condition Changes
 - Hazard Mitigation & Emergency Planning
 - Existing Infrastructure
- Open June 30, 2021 – August 31, 2021

KEY INFORMATION STILL NEEDED

- Proposed flood mitigation projects, evaluations, or strategies **with supporting hydraulic & hydrologic models**
- Details on ongoing mitigation efforts
- Upload data to respective questions within Stakeholder Survey
 - Prioritize relevant questions that are key to your community
- Or upload data files to **www.lowerbrazosflood.org**

Overall Flood Planning Timeline



Looking Ahead to August 2022

MARCH 2022

- Lower Brazos RFPG Meeting (3/24)
- Waco Open House Meeting (3/24)
- Granbury Open House Meeting (3/29)
- Georgetown Open House Meeting (3/30)

APRIL 2022

- College Station Open House Meeting (4/5)
- Rosenberg Open House Meeting (4/7)
- Draft Ch 2 – Flood Risk Analyses (4/21)
- Draft Ch 4 – Assessment and Identification of Flood Mitigation Needs (4/21)
- Lower Brazos RFPG Meeting (4/28)
- Deadline for public to submit studies, projects, or strategies (4/30)

MAY 2022

- Lower Brazos RFPG Meeting (5/26)

JUNE 2022

- Lower Brazos RFPG Meeting (6/23)

JULY 2022

- Draft Regional Flood Plan available for public comment (7/21)
- Lower Brazos RFPG Meeting (7/28)

AUGUST 2022

- Draft Regional Flood Plan due to TWDB (8/1)

Interactive Stations

- TWDB State Flood Plan
- Regional Flood Risk (Existing/Future)
- Lower Brazos RFPG Practices & Goals
- Flood Management Evaluations, Strategies & Projects

Lower Brazos Regional Flood Planning Group Email Address & Website

Project Email Address:

LBFlood@brazos.org

Project Website:

www.lowerbrazosflood.org