



Thursday, July 16, 2026

10:00 AM

Brazos River Authority, Lt. Gen. Phillip J. Ford Central Office

4600 Cobbs Dr., Waco, TX 76710



- 1. Call Meeting to Order and Attendance**
- 2. Public Input - comments on agenda items or flood planning issues
(limited to 3 minutes each)**
- 3. Consent Agenda**
 - 3.1. Approval of Minutes for the May 21, 2026, meeting**
 - 3.2. Approval and Certification of the Finance Report Expenditures**

Meeting Minutes

REGION 8 - LOWER BRAZOS REGIONAL FLOOD PLANNING GROUP

Brazos River Authority, Lt. Gen. Phillip J. Ford Central Office,
4600 Cobbs Dr. Waco, TX 76710

10:00 a.m. – Thursday, May 21, 2026

Meeting agenda, materials, and audio recordings are available online at www.lowerbrazosflood.org

1. Call Meeting to Order and Attendance

Alysha Girard presided over the meeting in Waco, TX. Ms. Girard called the meeting to order at 10:00 am.

Anthony Beach	P	Alysha Girard	P
Bruce Bodson	P	Matt Phillips	P
Sujeeth Draksharam	P	Kristina Ramirez	P
Tim Finley	A	Jonathan Steiber	P
Russell Ford	A	Mark Vogler	P
Charlotte Gilpin	P	Brandon Wade Alt. Sheila Wiora	P

Quorum Present: **Yes.** A quorum is 7 of 12 voting members.

2. Public Input - Public comments on agenda items or flood planning issues (limited to 3 minutes each)

Alysha Girard opened the floor for public comments. No public comments.

3. Consent Agenda

3.1. Approval of Minutes for the March 19, 2026 meeting

3.2. Report, Approval and Certification of the Finance Report Expenditures

Alysha Girard opened the floor for approval of the consent agenda items. Anthony Beach made the motion to approve the consent agenda and Matt Phillips seconded the motion. The motion passed unanimously.

4. Discussion and possible action on the report from the technical consultant.

The Technical Consultant Team provided an update on the release of the Flood Intended Use Plan (FIUP). The Group requested an informational flyer to be sent out to the region discussing the importance of the FIUP and how it is distinct from Regional Flood Planning efforts. The Technical Team agreed to put together materials to post to the website and send through an email blast.

The Technical Consultant Team provided an update on Task 4C efforts. Alysha Girard asked if there is a public engagement component to the study efforts. The Technical Consultant Team replied that there is. The Technical Consultant Team will work with the sponsors to determine what avenue and timing works best for their community.

The Technical Consultant Team introduced Task 5A. Sujeeth Draksharam asked if there is a recommended FMS for flood warning along the Brazos River. Alysha Girard replied that there is a separate mechanism for funding flood warning systems outside of the regional flood planning effort in response to the 2025 July 4th flooding. The Technical Consultant Team replied that a sponsor has not brought forth a Brazos River gauge so there is not a recommended entry within the plan.

The Group discussed the potential for incorporating an additional exception to the 1 square mile rule for projects that benefit agriculture. It was decided that small projects benefiting agriculture would likely not have a regional impact.

The Technical Consultant Team recommended providing comments on the FIUP regarding considerations for agricultural benefits for funding distribution.

5. Report from:

5.1. Texas Water Development Board (TWDB) staff

Alexis Morganroth provided the TWDB Report to the RFPG. Also in attendance were TWDB Director Brady Franks and his Chief of Staff Ron Ellis.

5.2. Regional Planning Sponsor

No Sponsor Report

5.3. Lower Brazos RFPG Chair

Alysha Girard provided a brief Chair report.

6. Confirm next meeting date and discuss new business to be considered at next meeting

The next meeting the planning group will hold the election of officers. The next regular meeting will be on Thursday, July 16, 2026, at 10:00AM.

7. Adjourn

Alysha Girard adjourned the meeting at 10:46 AM.

Approved by the Region 8 Lower Brazos RFPG at the meeting held on July 16, 2026.

Matt Phillips, Secretary

Alysha Girard, Chair

Brazos River Authority
2028 Region 8 Lower Brazos Regional Flood Planning Group
From 05/01/26 Through 05/31/26

	Current Period	Life to Date	Total Budget	Budget Variance	% Budget Remaining
Revenues					
State Grants	241,382	1,339,234	2,520,600	1,181,366	46.87%
Total Revenues	241,382	1,339,234	2,520,600	1,181,366	46.87%
Reimbursable Expenditures					
Salaries	119	2,237	14,750	11,327	76.80%
Benefits	51	962			
Indirect Costs	12	224			
Other Expenditures			10,250	9,560	93.27%
Printing/Publishing					
Public Information/Notices/Ads ¹	-	36			
Misc postage/overnight/Misc/etc. ²	12	654			
Total Other Expenditures	194	4,112	25,000	20,888	83.55%
Voting Planning Member Travel	-	279	4,500	4,221	93.81%
Subcontractors ³	241,188	1,334,843	2,491,100	1,156,257	46.42%
Total Reimbursable Expenditures	241,382	1,339,234	2,520,600	1,181,366	46.87%
Work in Kind					
Salaries/benefits	36	6,348			
Other	-	-			
Total Work in Kind	36	6,348			
Net Revenue over expenditures	(36)	(6,348)	-	-	

²Agenda, handouts, sign in sheets & chair notes

³ Thru 5/31/26



4. Presentation from GLO - River Basin Flood Study Update



GLO River Basin Flood Studies (RBFS)

Lower Brazos RFPG Update

Commissioner Dawn Buckingham, M.D.

Central Region Team



Maggie Puckett
DEPUTY PROJECT MANAGER
Freese and Nichols



Nick Boardman
MITIGATION AREA LEAD
Freese and Nichols



Will Parker
OUTREACH SPECIALIST
H2O Partners



GLO Representatives



Shonda Mace
MANAGER

Community Revitalization and Development



Krystle Haney
PROJECT MANAGER

Community Revitalization and Development



Skyler LeVrier
PROJECT MANAGER

Community Revitalization and Development

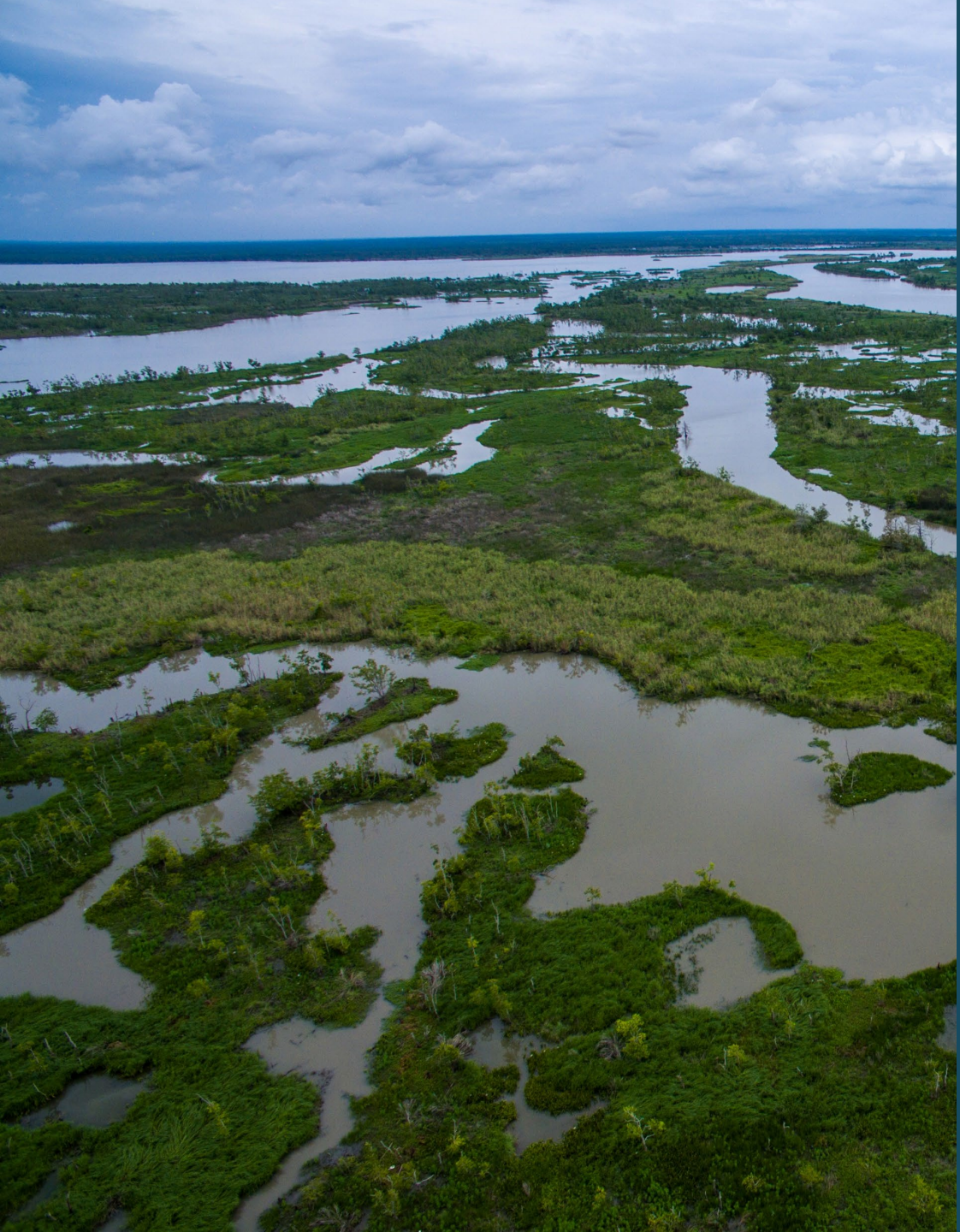


Melissa Washington
IGR REPRESENTATIVE

Community Revitalization and Development

Texas General Land Office
Commissioner Dawn Buckingham, M.D.





Agenda

- Study Overview
- Study Phasing & TWDB/GLO Coordination Recap
- Proposed Mitigation Alternatives in Region 8
- Funding & Technical Assistance
- Next Steps



GLO's River Basin Flood Studies (RBFS)

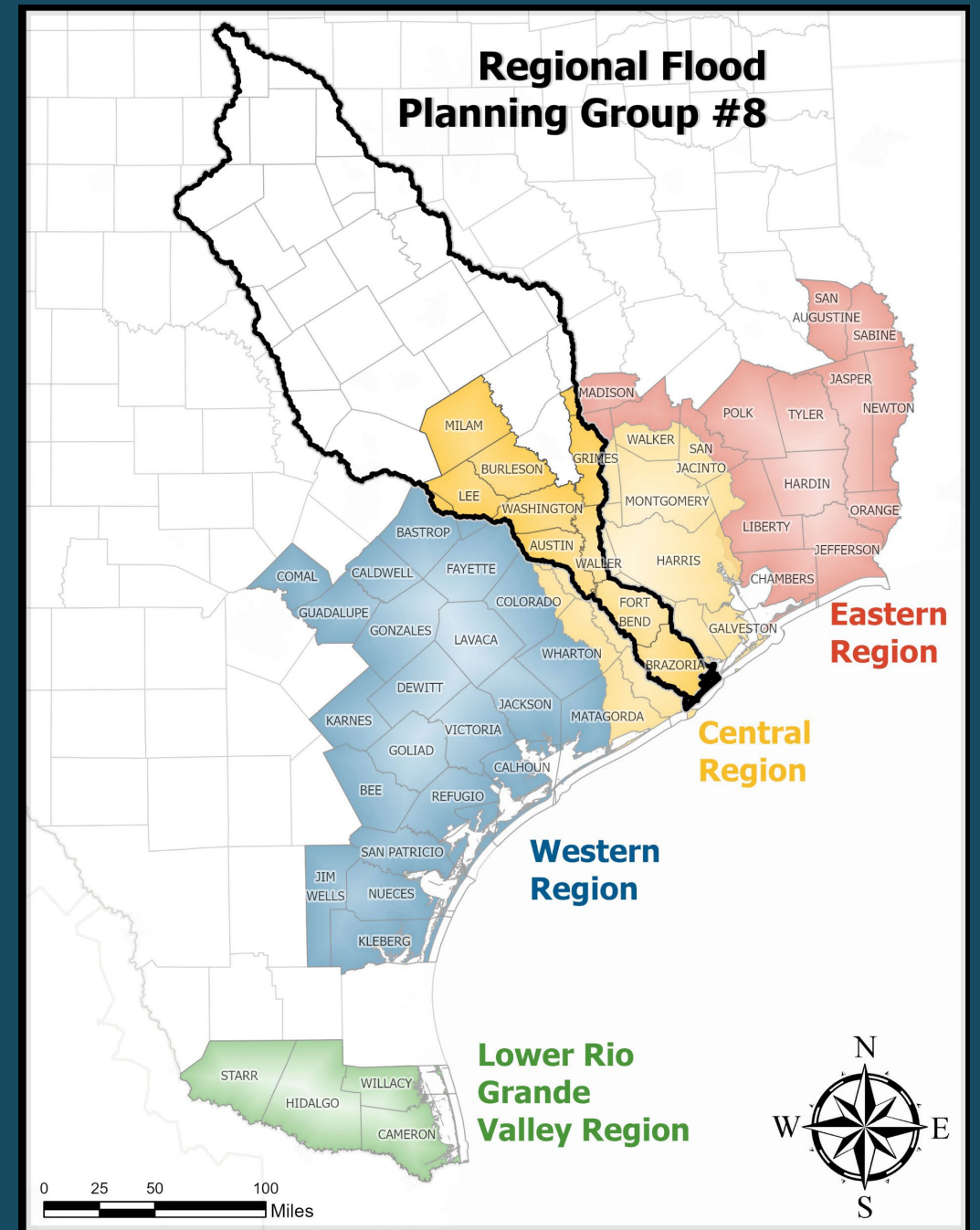
The Texas General Land Office (GLO) initiated the RBFS to provide declared disaster-impacted counties with flood modeling that identifies flooding hotspots and supports project development. The goals for the flood study are to:

- Develop modeling to support flood mitigation and understanding of flood risk
- Identify large-scale or regional flood projects that strengthen the resilience of our communities
- Align identified projects with funding opportunities

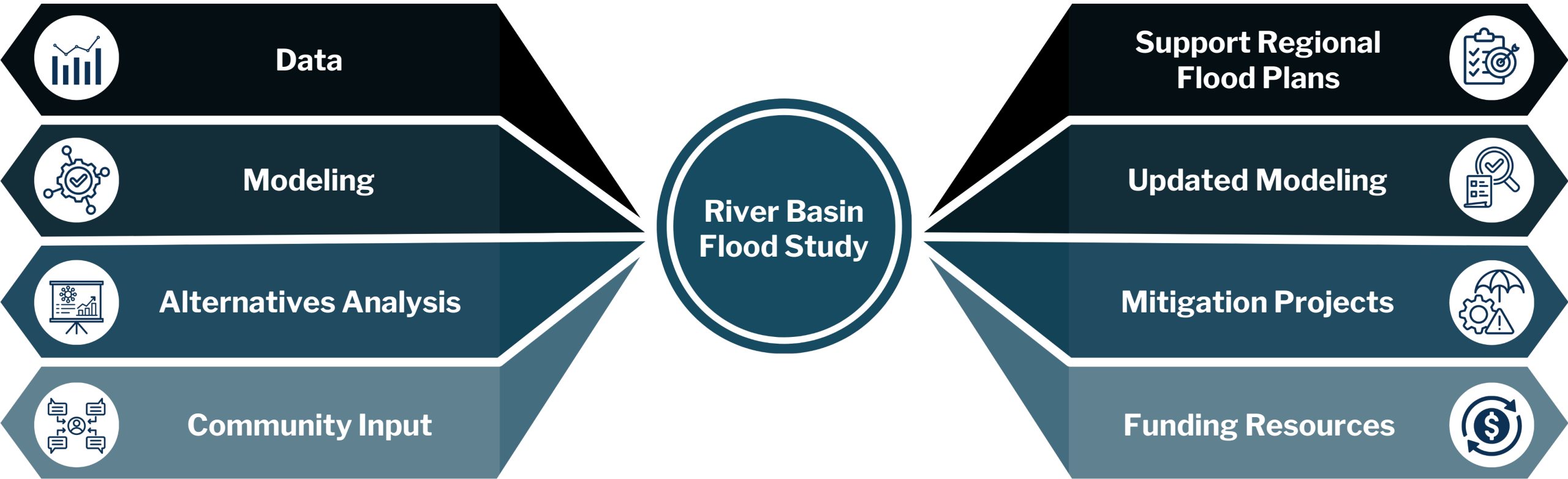
This is a one-time planning effort, and the data produced by RBFS will also be used to support current and future Texas State Regional Flood Plans.



Texas General Land Office
Commissioner Dawn Buckingham, M.D.



Study Outcomes



Data Transfers



Transfer Data to/from RFPGs

Phase 1



Stakeholder Outreach

Phase 2



Data Collection

Phase 3



Evaluation of Flood Risk
(Baseline Modeling)

Phase 4

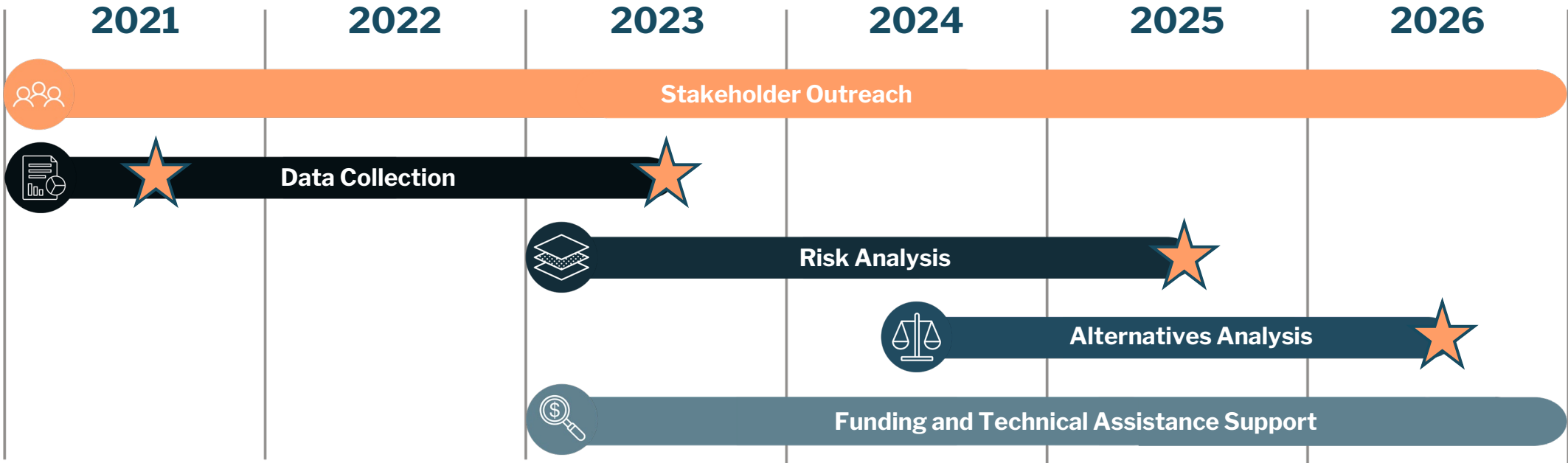


Alternative Analysis and
Project Identification

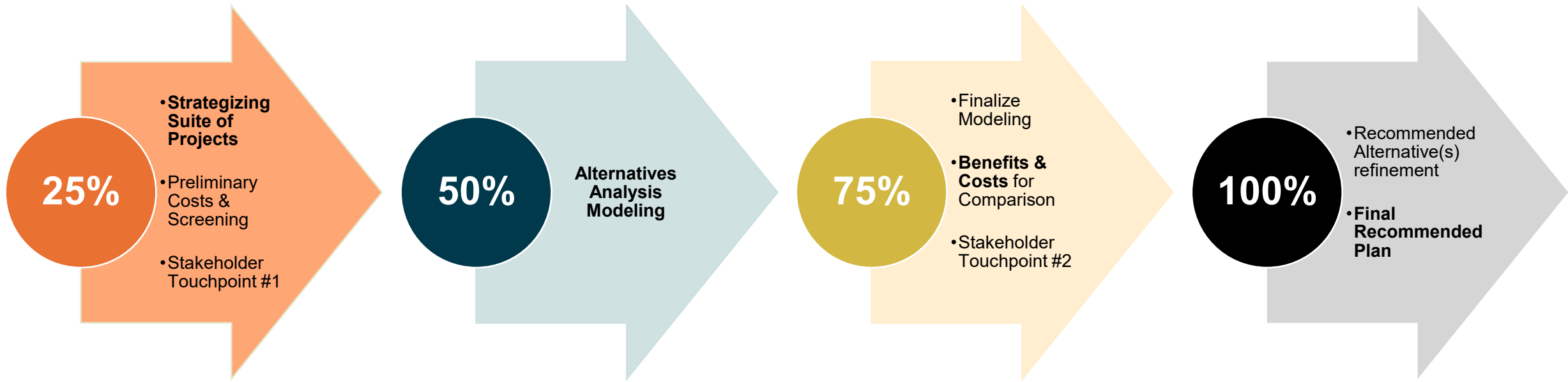
Phase 5



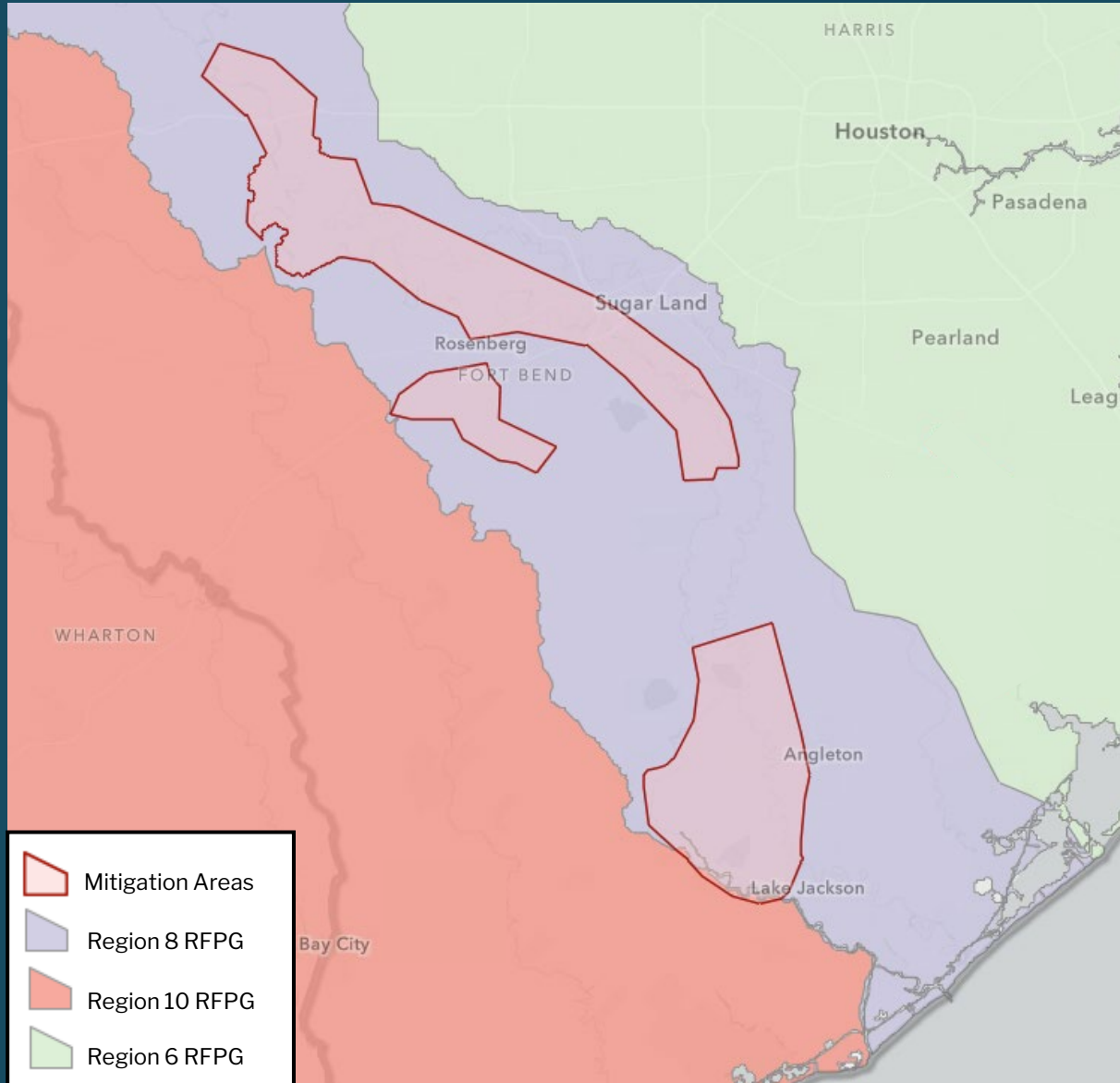
Funding and Technical
Assistance Support



Alternatives Analysis Overview



Region 8: Lower Brazos RFPG Mitigation Areas



- 3 Mitigation Areas in Region 8:
 - 370 total square miles
 - About 6,000 structures impacted in 100-year flood event
 - 1' – 3' average structure inundation depths
- Impacted communities include:
 - Waller, Austin, Fort Bend, and Brazoria Counties
 - Cities of Angleton, Rosenberg, Fulshear, Simonton, Weston Lakes, Lake Jackson, Sugar Land
 - Town of Holiday Lakes
 - Villages of Bailey's Prairie, Pleak, and Fairchilds



Middle Brazos River Recommended Project: Flood Control Dam

PROJECT DETAILS

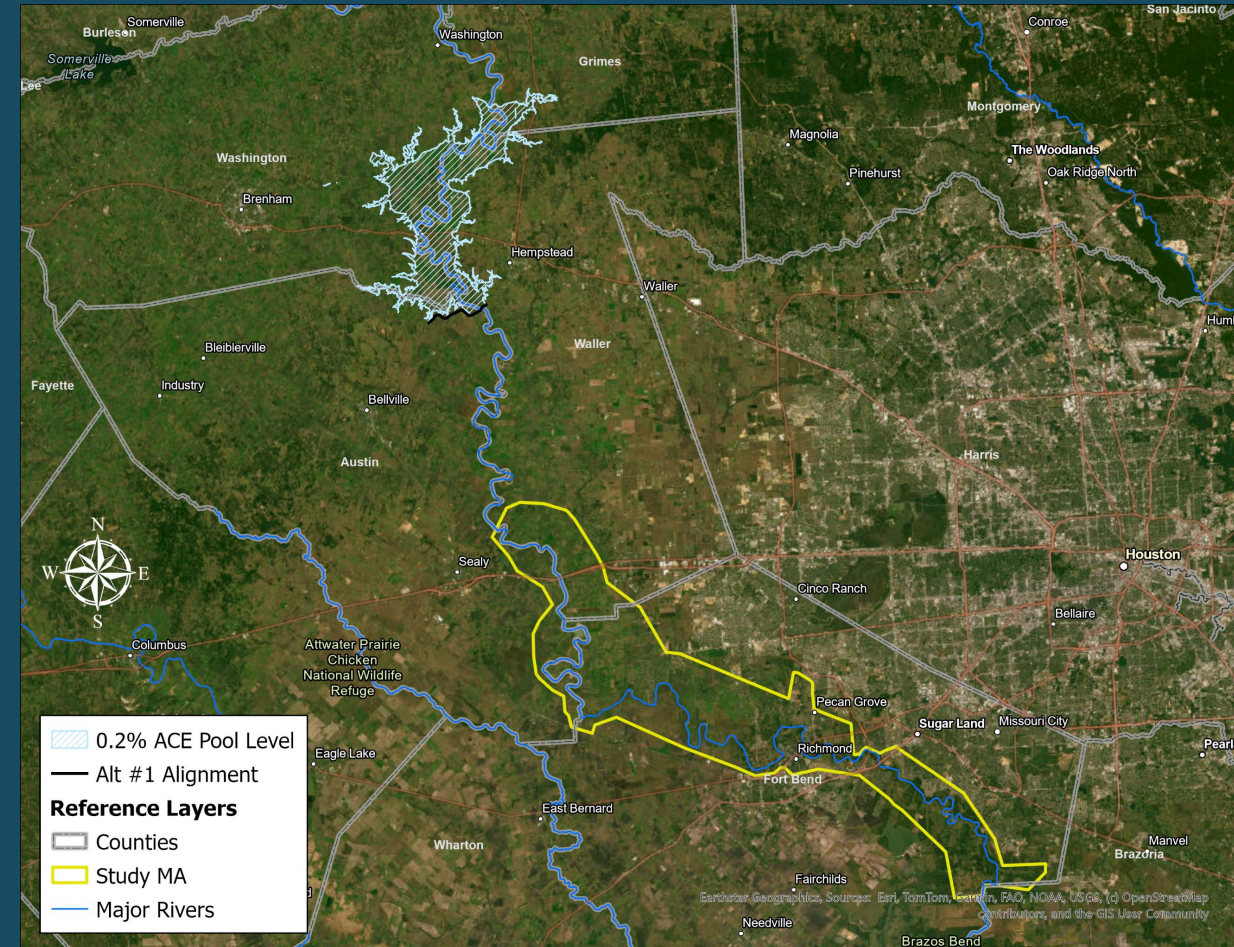
- Project type: Flood Control Dam
- Project components: Dam with operated gates to attenuate flows above 5-year levels
- Potential constraints: Cost, Permitting, Stakeholder Buy-in

PROJECT BENEFIT & COST HIGHLIGHTS

- Flood risk reduction from immediately downstream of dam to gulf coast
- 4,500 structures removed from 1% AEP floodplain
- 71% reduction in expected flood damages downstream
- BENEFIT: \$3,735 M
- COST: \$1,353 M
- BENEFIT TO COST RATIO: 2.8

PROJECT COORDINATION

- Alternatives Analysis Workshop held on March 31, 2026
- Recommended funding source(s): TWDB FIF (*transfer to RFPG this summer*), FEMA BRIC, FEMA FMA, FEMA HMGP
- Most practical pathway: Pair conventional grant programs with USACE funding pathway



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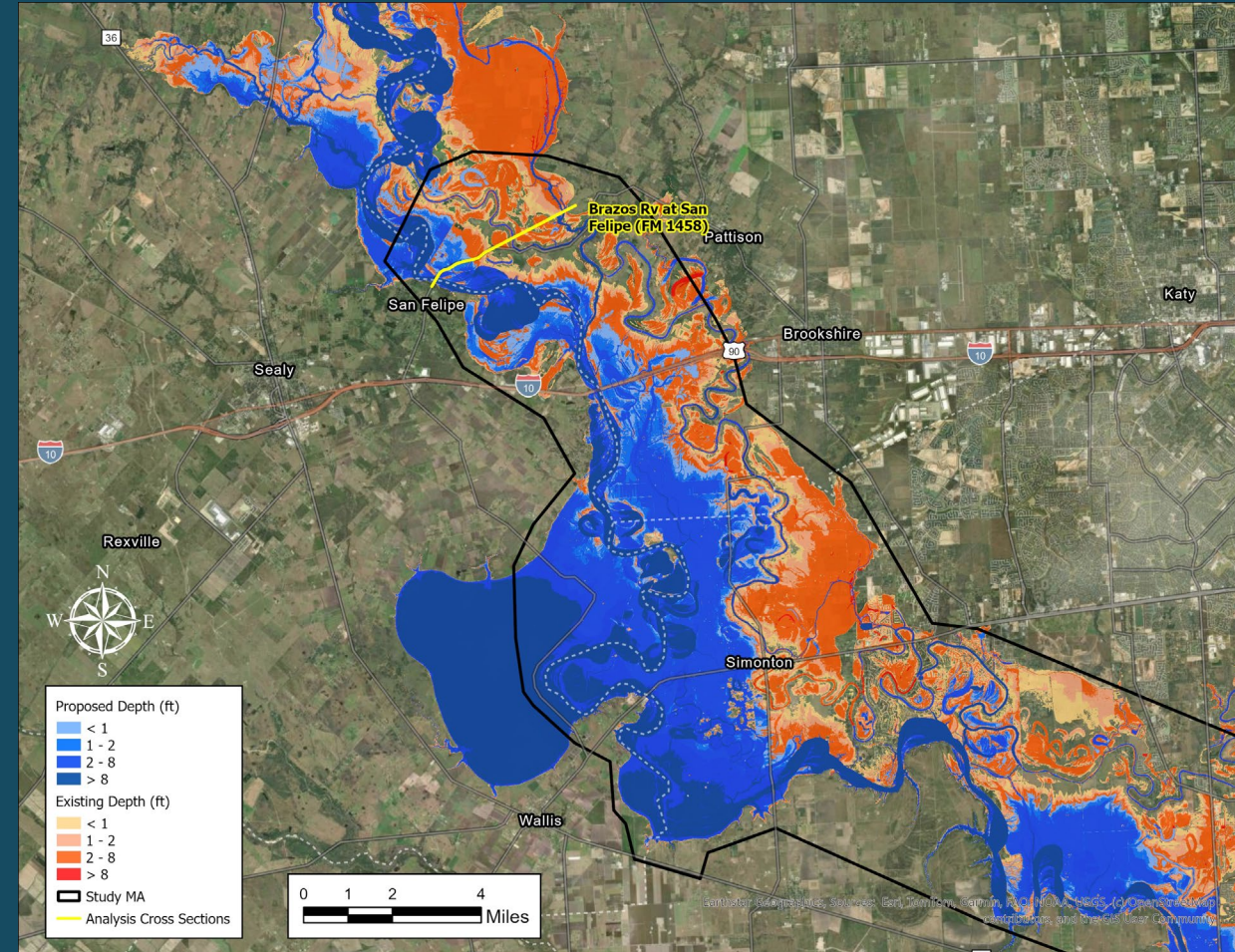
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Big Creek Recommended Project: Building Level Mitigation

PROJECT DETAILS

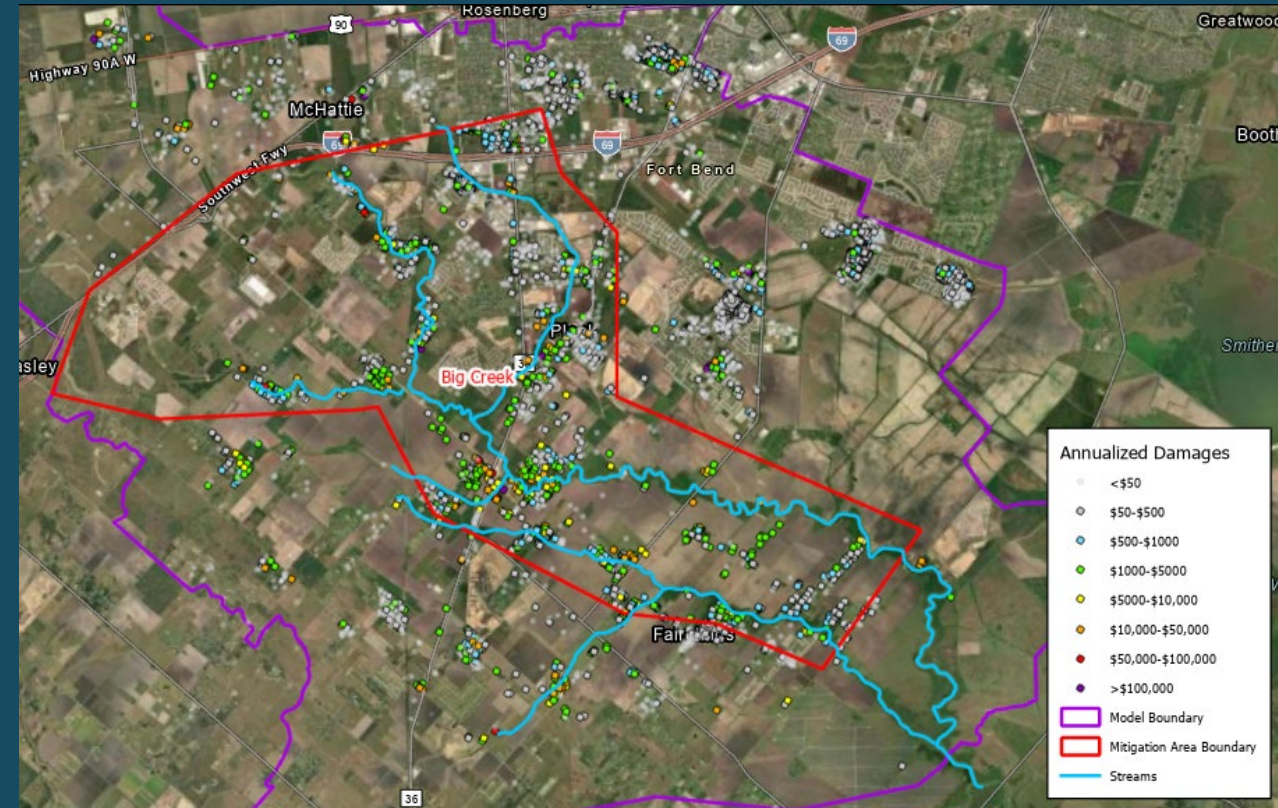
- Project type: Targeted building level mitigation of at-risk structures
- Project components: Residential and Non-Residential Acquisition, Residential Elevation, Non-Residential Flood Proofing
- Potential constraints: Buy-in

PROJECT BENEFIT & COST HIGHLIGHTS

- 327 structures removed from 10% AEP floodplain
- 417 structures removed from 1% AEP floodplain
- 3 critical facilities removed from 1% AEP floodplain
- BENEFIT: \$179.3 M
- COST: \$162 M
- BENEFIT TO COST RATIO: 1.1

PROJECT COORDINATION

- Alternatives Analysis Workshop held on March 17, 2026
- Discussed structural alternatives considered for this mitigation area
- Recommended funding source(s): TWDB FIF (*transfer to RFPG this summer*)
- Primary gaps for FEMA funding programs are estimated cost and 45% LMI benefit



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Big Creek Recommended Project: Building Level Mitigation

PROJECT DETAILS

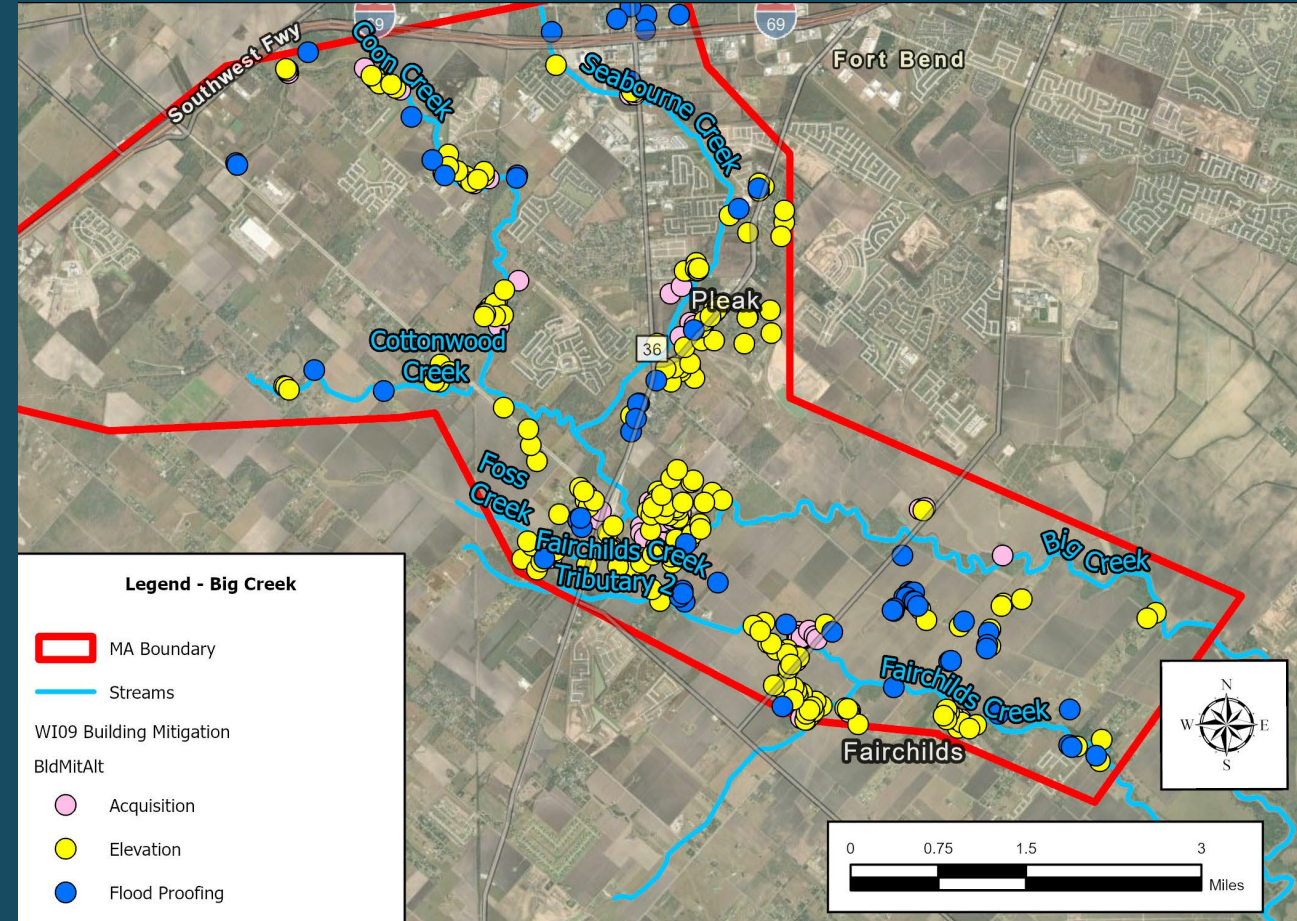
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Texas General Land Office
Commissioner Dawn Buckingham, M.D.

Lower Brazos River Recommended Project: Varner Creek Diversion

PROJECT DETAILS

- Project type: Diversion channel for Brazos River flow near Harris Reservoir
- Project components: 100' wide channel with weir on Brazos Riverbank
- Opportunities to upsize flow amount diverted for greater mitigation

PROJECT BENEFIT & COST HIGHLIGHTS

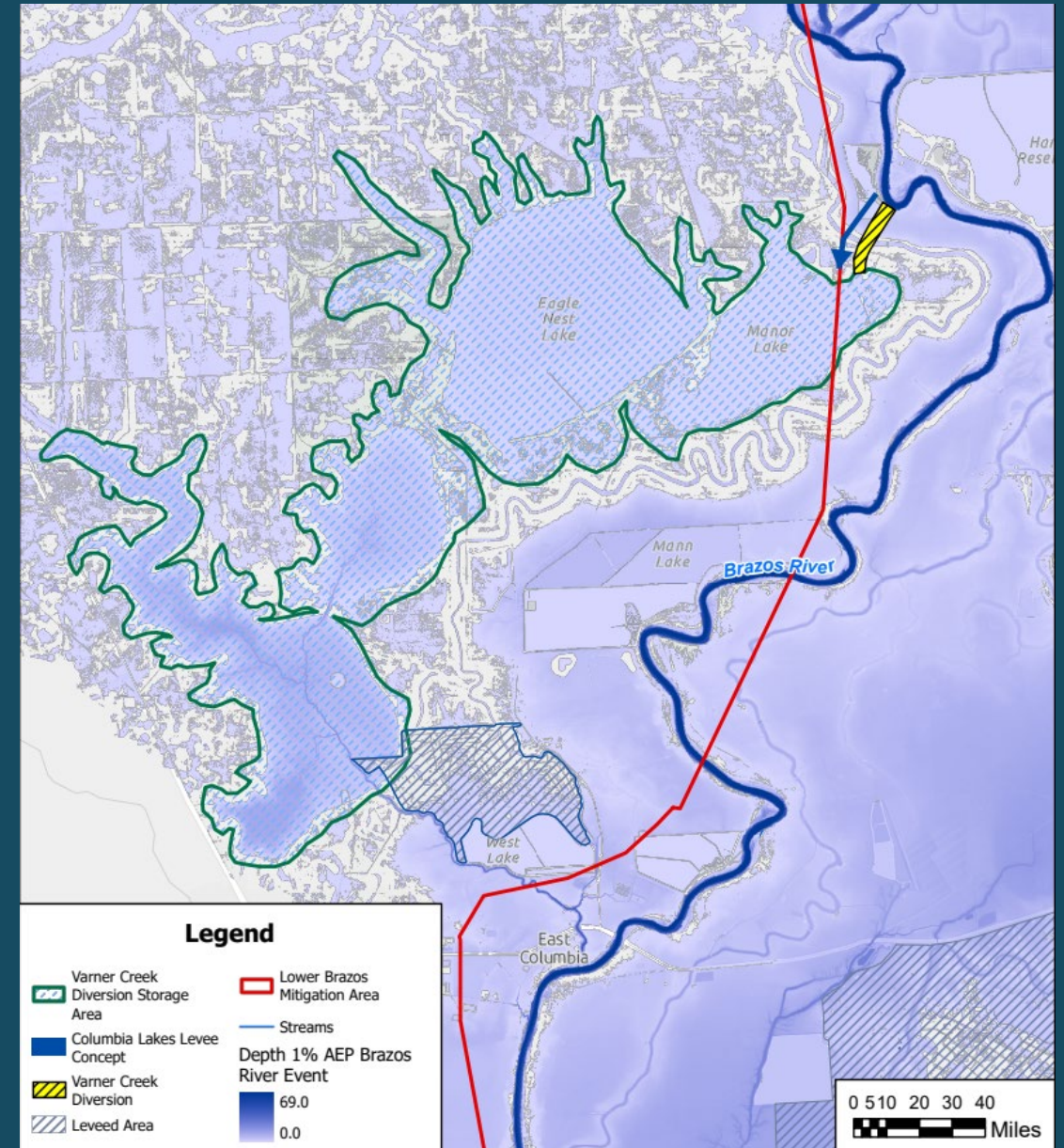
- 60 structures benefit in 10% AEP floodplain
- 15 structures removed from 10% AEP floodplain
- 40 structures benefit in 1% AEP floodplain
- 20 structures removed from 1% AEP floodplain
- BENEFIT: \$31.8 M
- COST: \$6.9 M
- BENEFIT TO COST RATIO: 4.6

PROJECT COORDINATION

- Alternatives Analysis Workshop held on March 30, 2026
- Discussed structural alternatives considered for this mitigation area
- Recommended funding source(s): *FEMA BRIC, FMA, HMGP and USDA EWP*
- Project supported by strong BCR and alignment with eligible mitigation activities



Texas General Land Office
Commissioner Dawn Buckingham, M.D.



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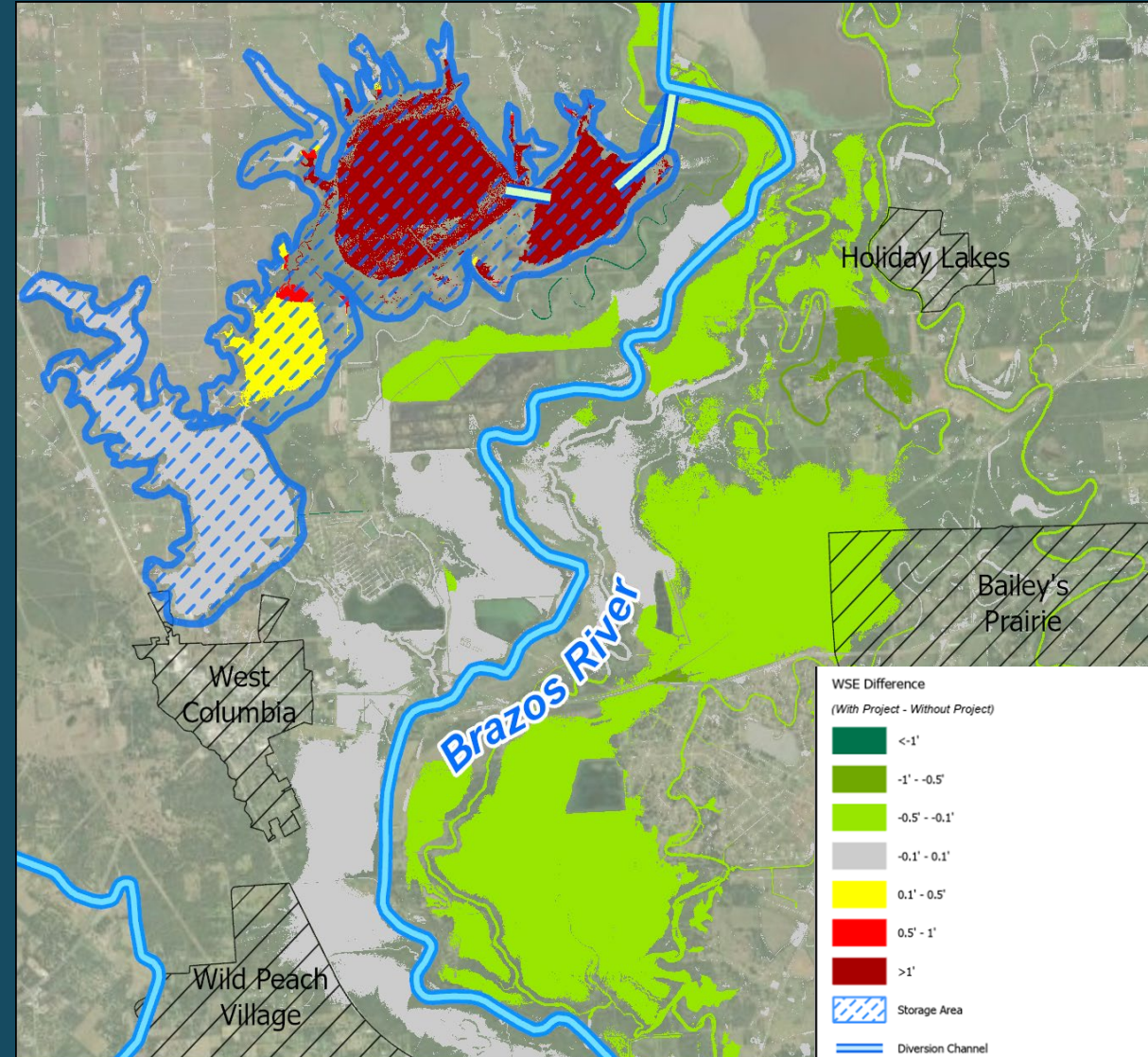
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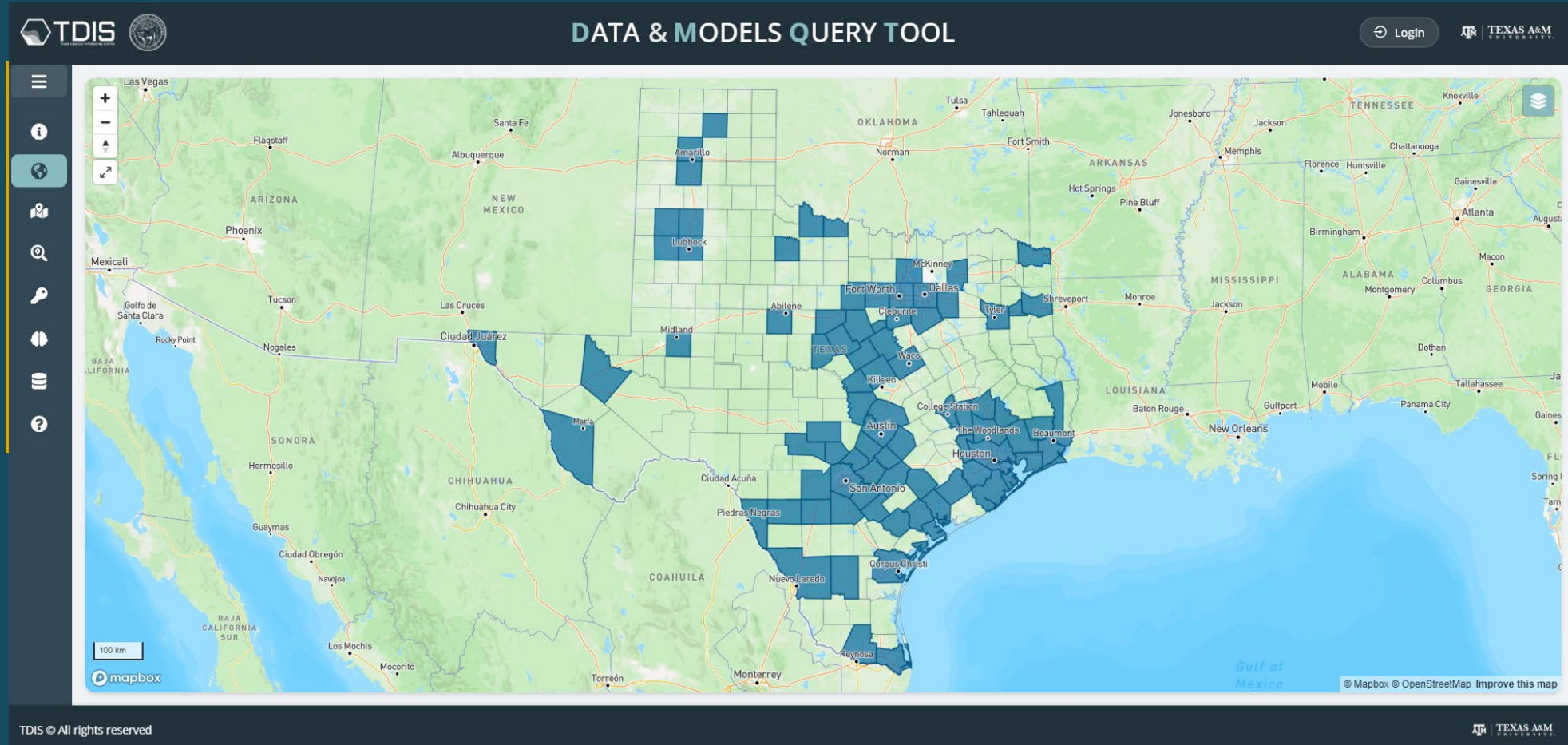
Data & Models Query Tool (DMQT)

Flood Models Available to Download Now!

Texas General Land Office
Commissioner Dawn Buckingham, M.D.



TDIS Data & Models Query Tool (DMQT)



TDIS © All rights reserved

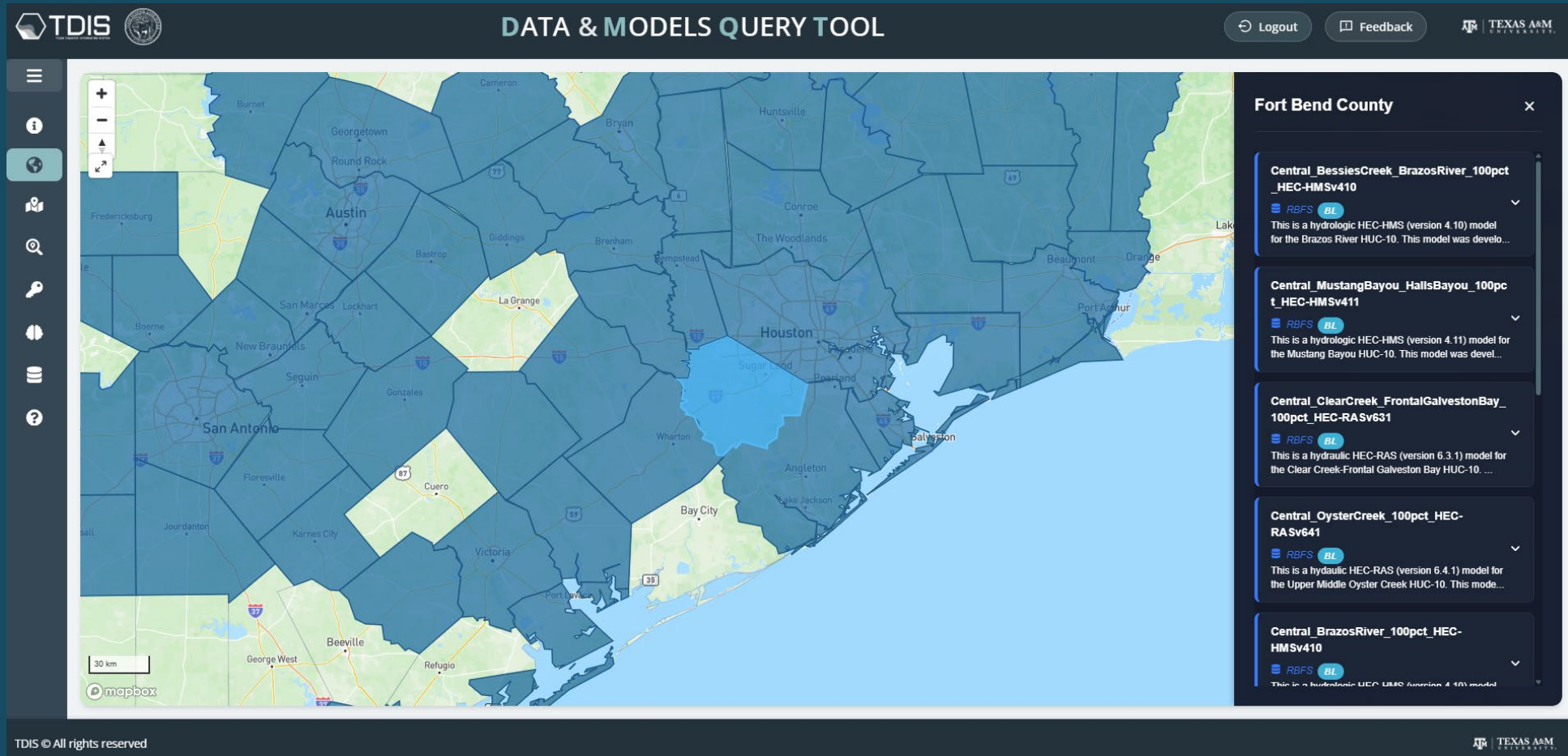
TEXAS A&M UNIVERSITY

Texas General Land Office
Commissioner Dawn Buckingham, M.D.



Tool Link - <https://dmqt.cloud.tdis.io/>

TDIS Data & Models Query Tool (DMQT)



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Texas General Land Office
Commissioner Dawn Buckingham, M.D.



Tool Link - <https://dmqt.cloud.tdis.io/>

TDIS Data & Models Query Tool (DMQT)

Central_BrazosRiver_100pct_HEC-HMSv410 BL

AI Summary X

General Information Contact Information

HUC:

1207010404

County:

Fort Bend

City:

Sugar Land, Richmond, Rosenberg

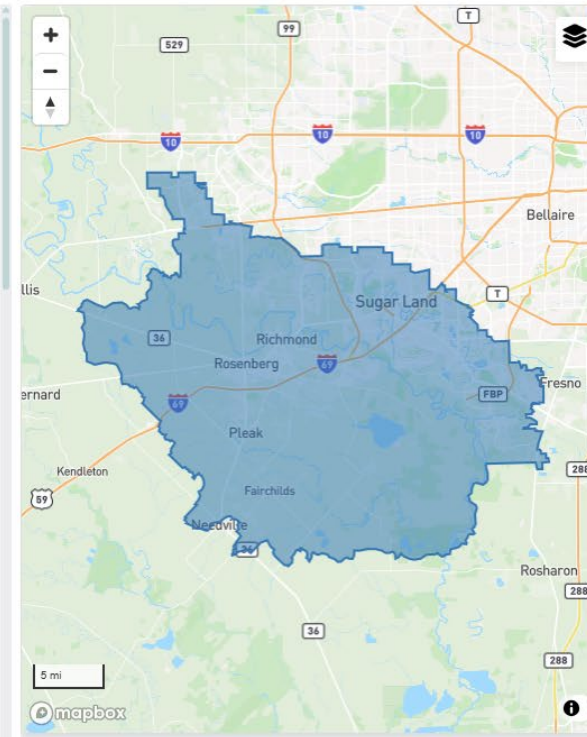
Model Description:

This is a hydrologic HEC-HMS (version 4.10) model for the Brazos River. This model was originally developed as part of the Hydrologic and Hydraulic Analysis of the Brazos River for Fort Bend County Drainage District (Freese and Nichols and Halff Associates, 2021) to provide a detailed analysis of the Brazos River through Fort Bend County. This model was updated by the Central Region team for the Texas General Land Office's River Basin Flood Study during Phase 3 of the study. Flow data from the Brazos River model was applied to the baseline Oyster Creek model for all Historical events and Brazos River Frequency Events.

Model Purpose:

N/A* - Not Available/Not Applicable/Not Specified

Model metadata



Map of model boundary

Model Files Listing

Available Files for Download

Complete Model Package

12040205_12070104_Big Creek-Oyster Creek.zip 187.13 GB

Model Results

Results.zip 53.63 GB

Reports

Big Creek-Oyster Creek GLO RBFS Baseline Conditions... 244.3 MB

Big Creek-Oyster Creek GLO RBFS Baseline Results Pre... 38.7 MB

Spatial Data

Big_Oyster_Brazos_100pct.zip 36.3 MB

Choose to download full package, results, boundary, or report

Close



RBFS Study Next Steps



Completion of Alternatives Analysis/Data
Transfer to RFPs

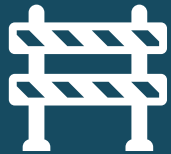
Funding and Technical Assistance



Funding & Technical Assistance

Study-Wide Activities

- Flood Early Warning System/Gauge Network Enhancement Recommendations
- Policy Recommendations
- Education materials and Trainings



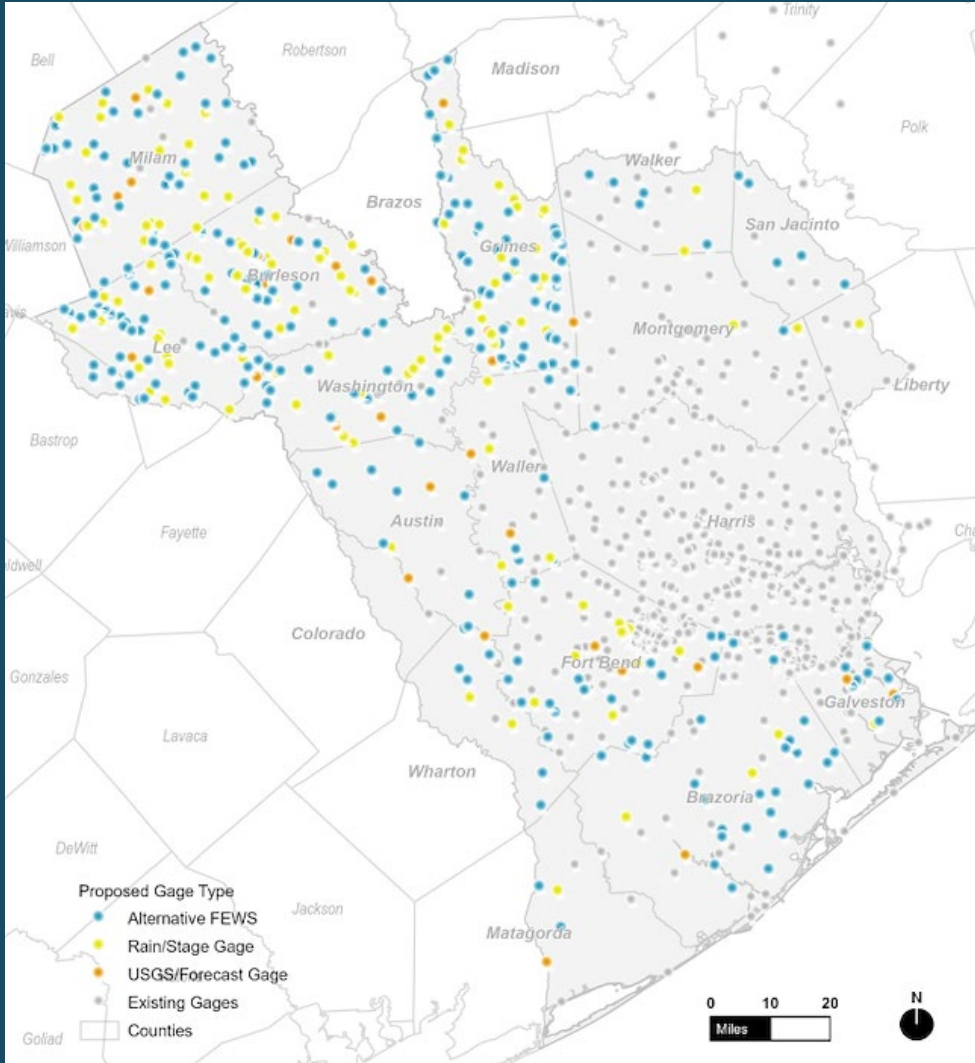
Activities to Advance Projects

Recommendations for boosting eligibility and competitiveness

- Sponsorship & Champions
- Identification of Co-Benefits
- Project Funding Strategies



Funding & Technical Assistance



- Flood Early Warning System/Gauge Network Enhancement Recommendations include:
 - Alternatives FEWS
 - Rainfall/Stage gage locations
 - USGS Forecasting gage locations
- Delivering to potential sponsors along with recommended projects
- Potential Flood Management Strategies (FMSs) to support development of 2028 RFPs



Mitigation Assistance for Tailoring Choices (MATCH) Tool

Available to use Now!

The MATCH Tool's objective is to align unfunded or concept mitigation projects with funding sources.





MATCH

Welcome to the Mitigation Assistance for Tailoring Choices (MATCH) Tool. This tool aims to support communities pursuing flood mitigation and resilience projects.



Funding Opportunities

View and compare available sources of funding for flood mitigation projects.



Projects

Discover funded structural and non-structural flood mitigation projects across Texas.



Application Insights

Generate insights and suggestions for your funding and project match.



Resources

Explore resources to support application development and answer frequently asked questions.

MATCH

409.741.4331
idrt@tamug.edu
Institute for a Disaster Resilient Texas
Texas A&M University

[View Announcements](#)



Visit the *MATCH*
Tool Website



<https://findfundingtx.cloud.tdis.io/>



Participate In
&
Share the Survey



tinyurl.com/GLORegionWideSurvey

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QUESTIONS?

Contact the GLO RBFS Team by email at

glofloodstudies.central@recovery.texas.gov

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Commissioner Dawn Buckingham, M.D.





5. Discussion and possible action on the report from the technical consultant

Technical Consultant Update

July 16, 2026



Agenda



General Updates



Task 4C – Performance of FMEs



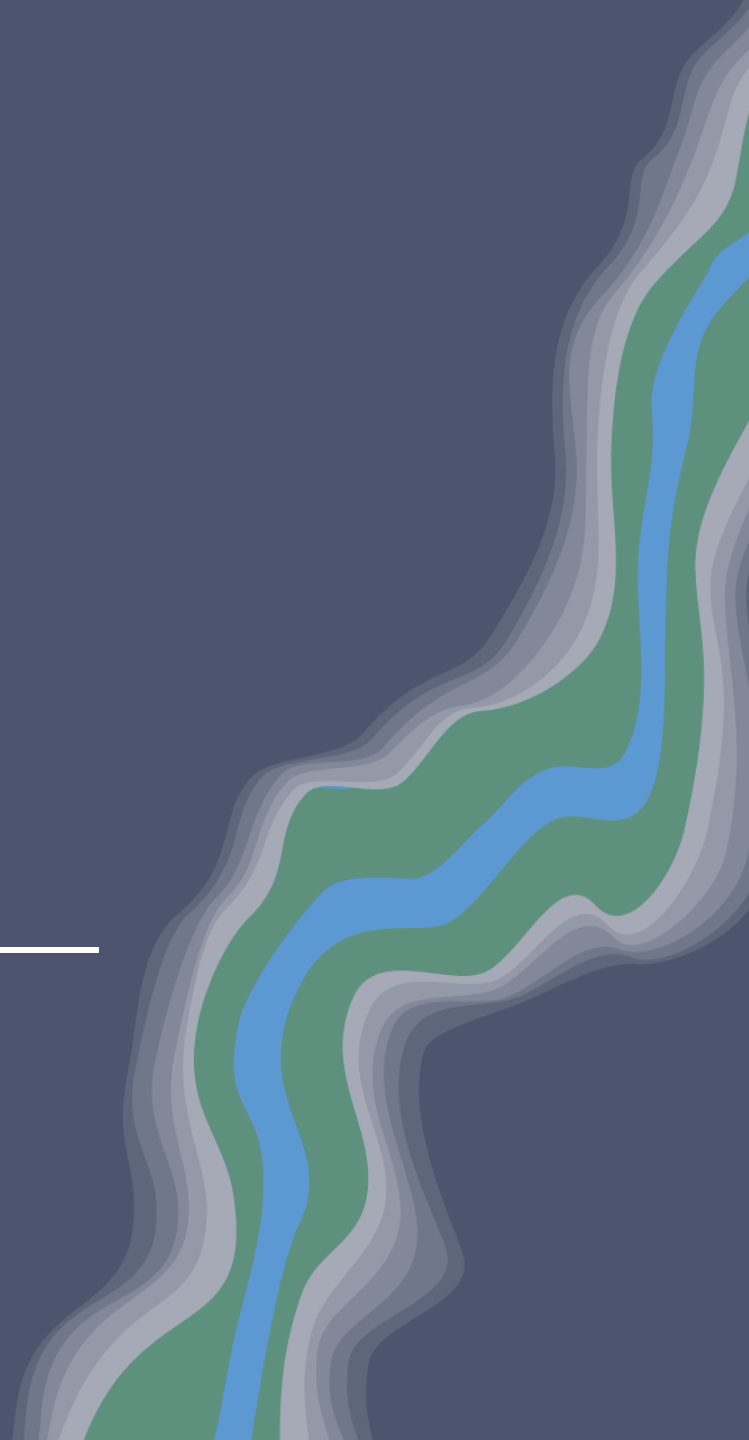
Task 7 – Flood Response & Activities



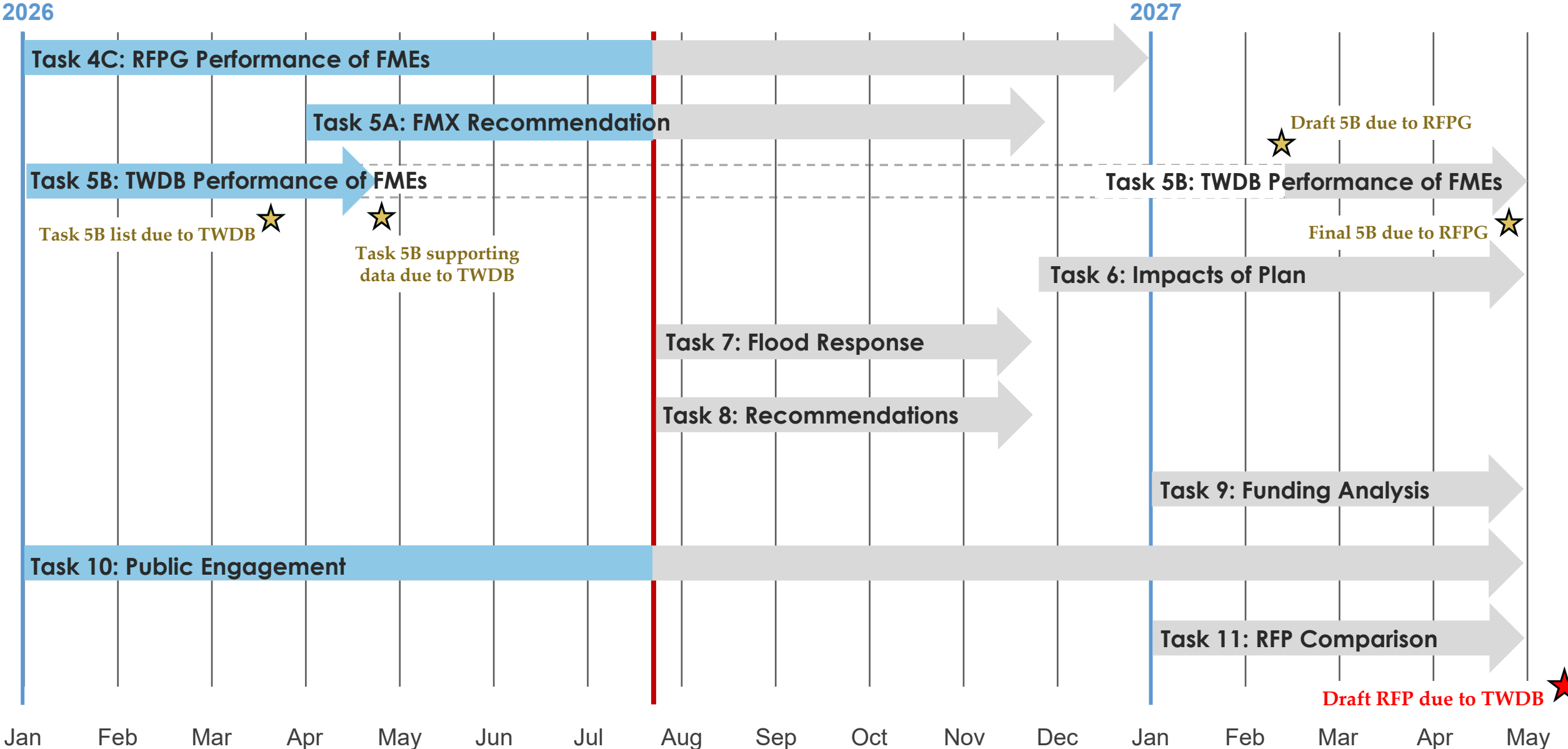
Task 8 – Legislative, Regulatory, and Administrative Recommendations

General Updates

Ryan Londeen, PE, CFM



Schedule Update



General Updates

TWDB Informational Releases

- Sent out flyer regarding FIF IUP to contact list 6/4
- TWDB released BCA guidance document

Task 5A – FMX Recommendation

- FMEs: Coordinating with TWDB on guidance clarification
- FMPs: currently being reviewed and evaluated

Task 5B – TWDBs for Performance

- Submitted list of FMEs for TWDB performance
- Received comments and provided responses
- First two FMEs will be initiated shortly

Task 2: Flood Risk

Draft Chapter 2 Provided for Review

Comments
Requested by
September 17th

Chapter 2: Flood Risk Analyses

An essential aspect of developing a regional flood plan involves accurately assessing the flood risk. This includes a description of the flood, identifying what is at risk, and estimating the associated impacts. In terms of understanding the environment, the Lower Brazos Regional Flood Plan assessed flood risk for existing and future conditions.

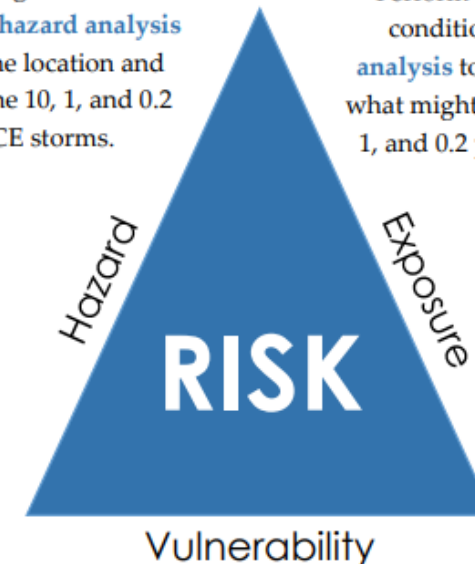
In the Lower Brazos Regional Flood Plan, the existing and future conditions flood risk assessment focused on the following three main components:

1. Flood hazard analyses to determine the location, magnitude, and frequency of flooding,
2. Flood exposure analyses to identify who and what might be harmed within the Lower Brazos Basin; and
3. Vulnerability analyses to identify the degree to which communities and critical facilities may be affected by flooding.

Figure 2.1 below shows the Risk Triangle framework applied to the Lower Brazos Regional Flood Plan Flood Risk Analyses.

Perform existing and future condition **flood hazard analysis** to determine the location and magnitude of the 10, 1, and 0.2 percent ACE storms.

Perform existing and future condition **flood exposure analysis** to determine who and what might be harmed by the 10, 1, and 0.2 percent ACE storms.



Task 4C: RFPG Performance of FMEs

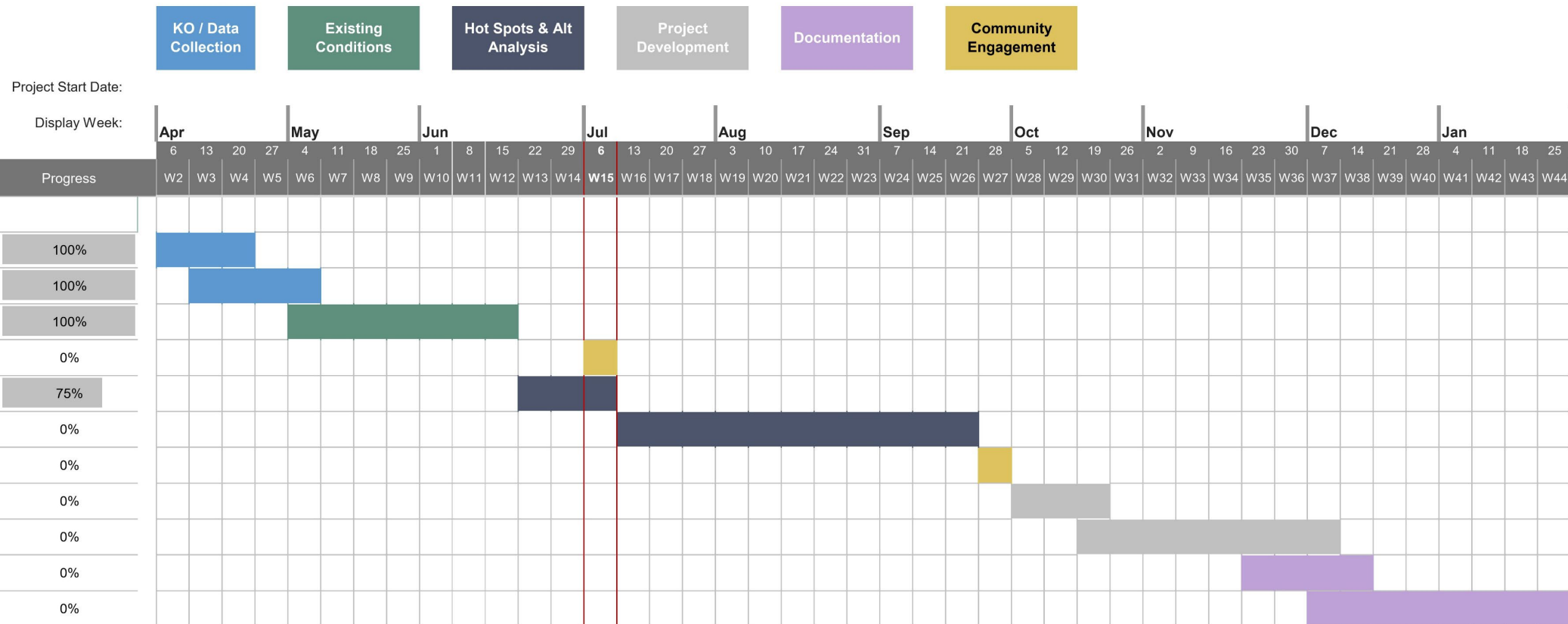
Jenna Blohm, PE, CFM

Nick Boardman, PE, CFM (FNI)

Task 4C – General Updates

Evaluating budget to determine if we have room to complete an additional study.

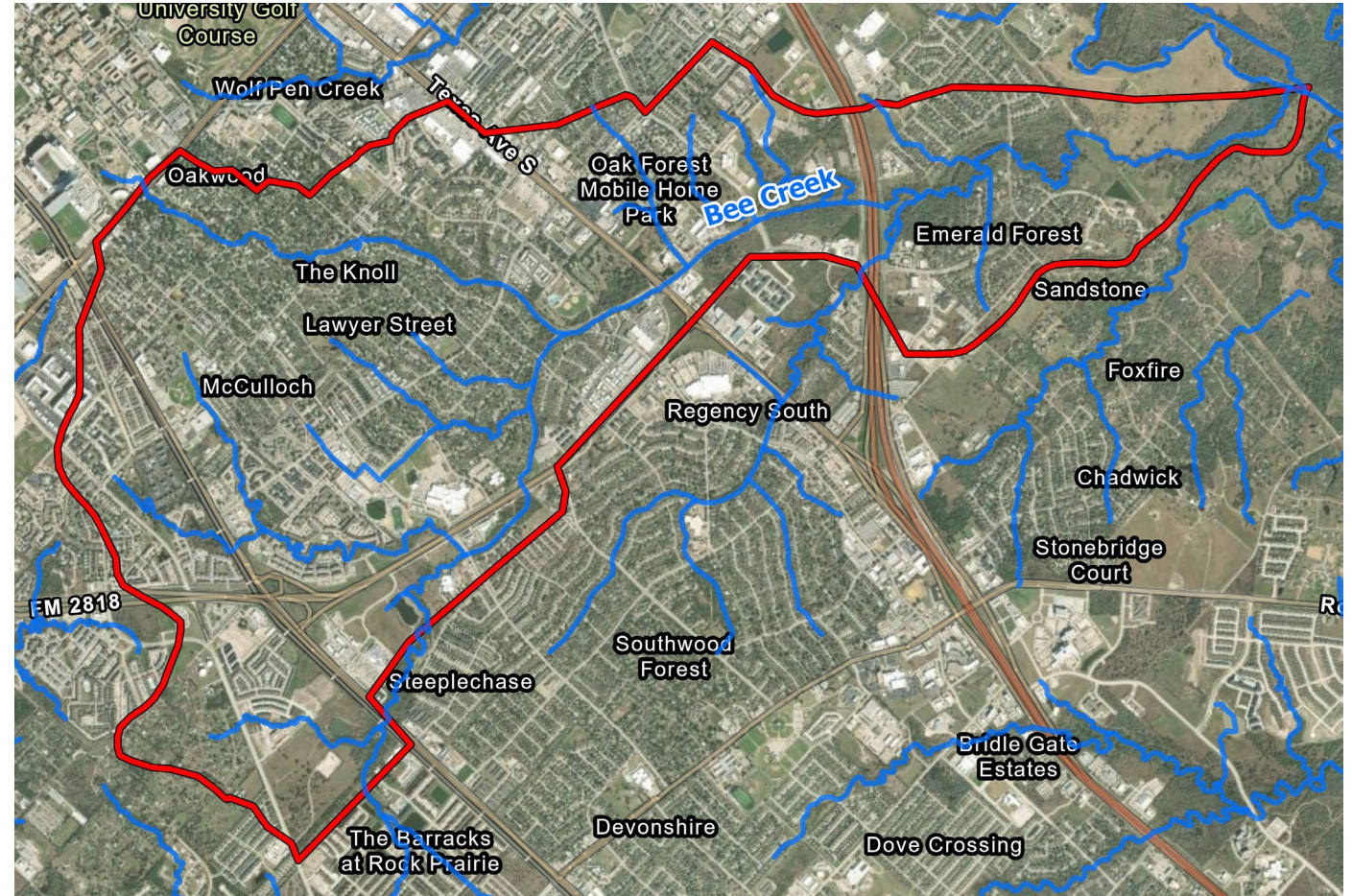
Task 4C - Performance of FMEs



Bee Creek FME

Progress Update

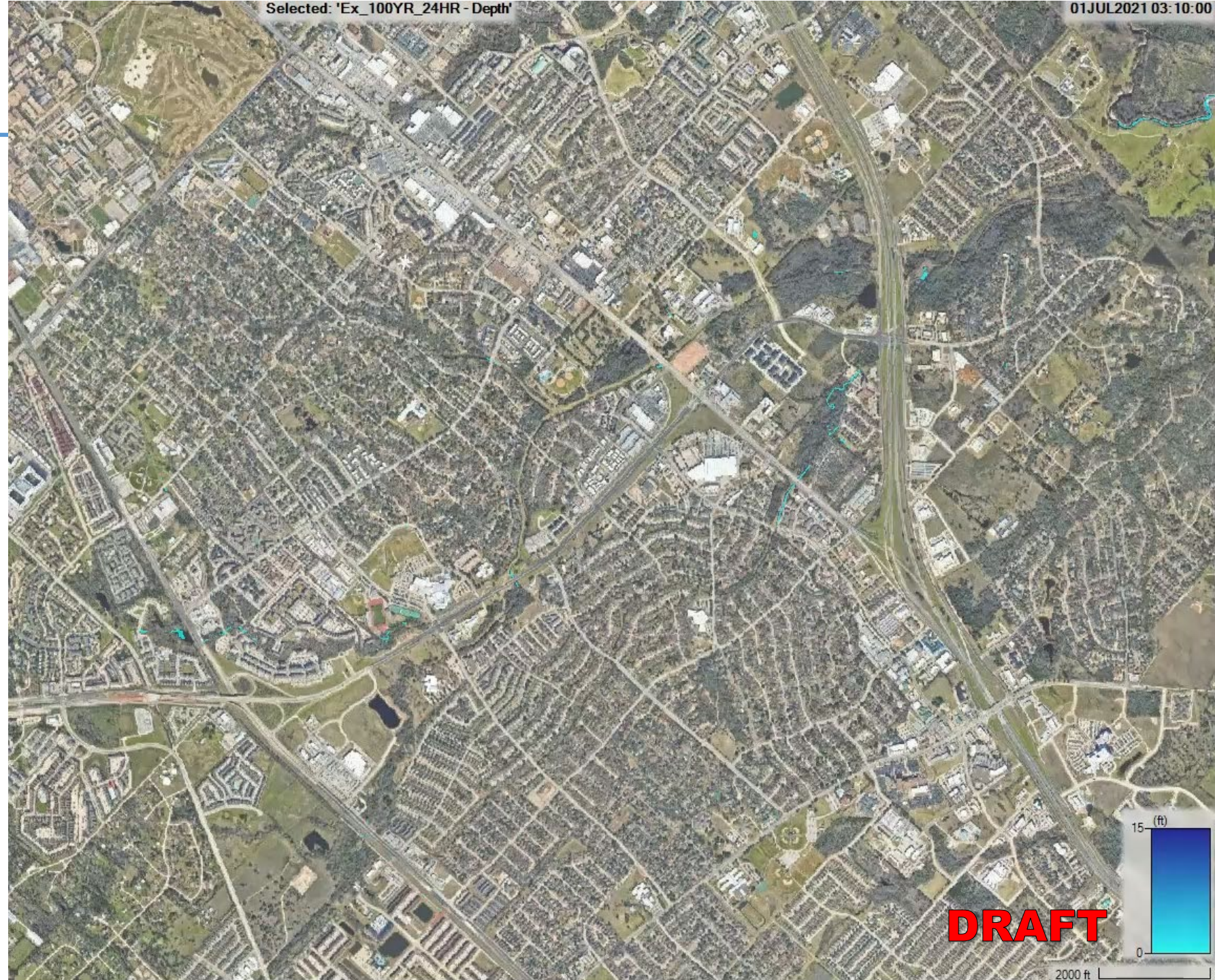
- Draft existing conditions model complete
- Focused on riverine flood risk
- Utilizing data from previous efforts in the area
- 2D model captures complex flow conditions
- Hot spot analysis (“Priority Areas”)
 - Structures
 - Roadways



Bee Creek FME

Next Steps

- Workshop with the City
- Scheduled for 7/20
- Confirm model results
- Identify priority areas for alternative analysis
- Alternative Analysis
- Develop regional projects to mitigate flood risk



Barrons Branch FME

Progress Update

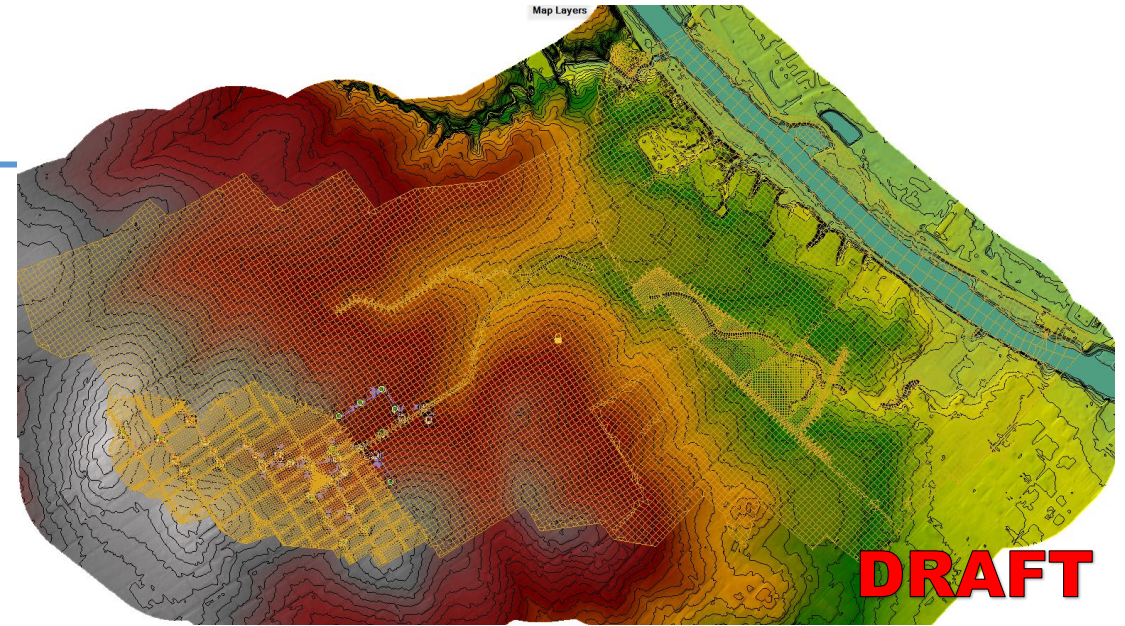
- Existing conditions model development in progress
- 2D urban rain-on-mesh model
- Additional focus on developing storm sewer network model



Barrons Branch FME

Next Steps

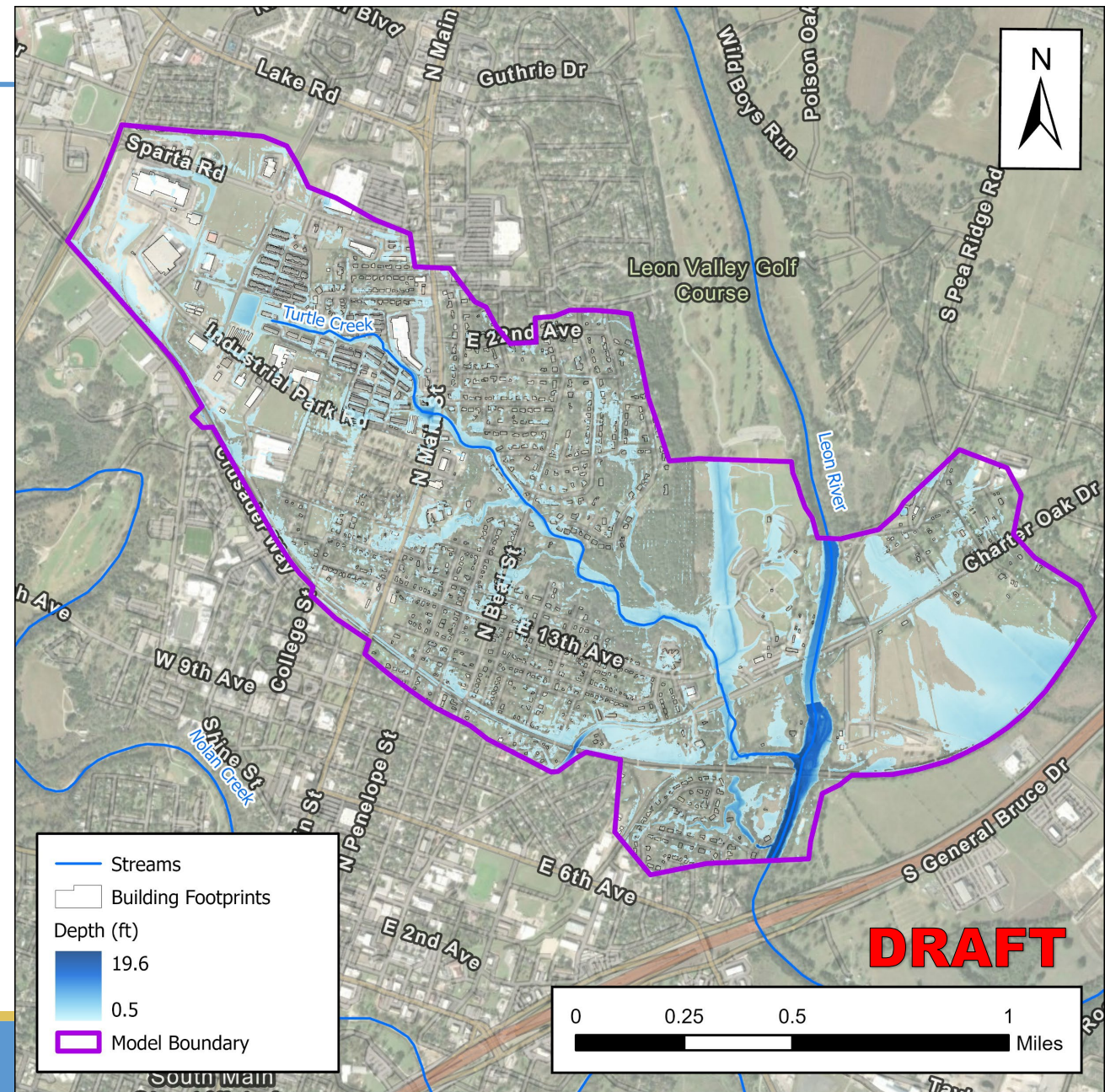
- Complete existing conditions model
- Hot spot analysis (“Priority Areas”)
 - Structures
 - Roadways
- Workshop with the City



Turtle Creek FME

Progress Update

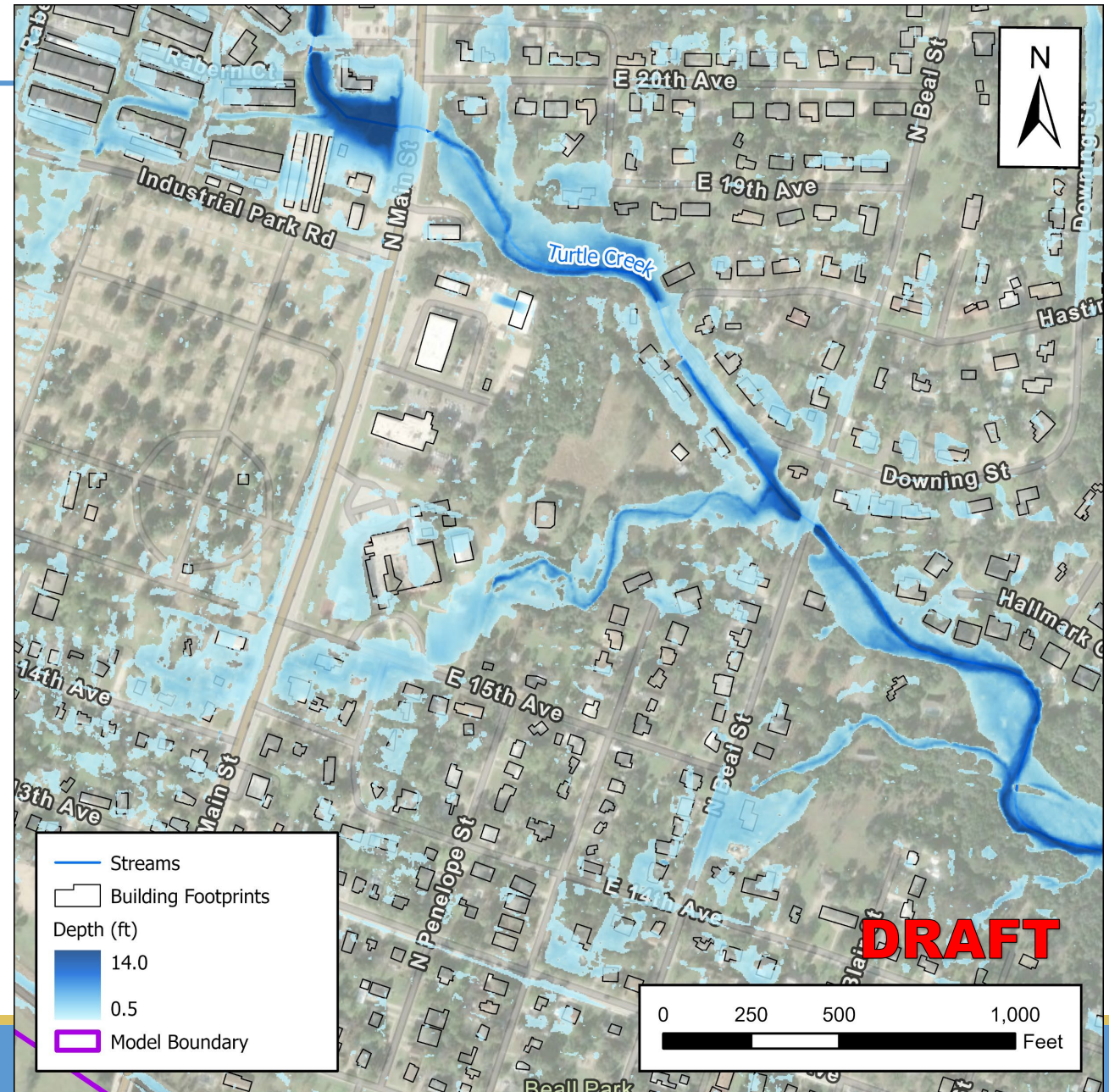
- Existing Conditions 2D rain-on-mesh (ROM) model completed
- Provides comprehensive evaluation of risk throughout watershed
- Informs development of pre-project and proposed conditions models



Turtle Creek FME

Existing Conditions

- Identified potential problem areas within study area
- Problem areas include locations along Turtle Creek and areas subject to pluvial flood risk
- Main area of concern for City of Belton is located along Turtle Creek between Main and Beal St.



Turtle Creek FME

Next Steps

- Meet with City of Belton to obtain input and feedback on model results
- Conduct site visits to inform refinements for pre-project and alternative modeling



Task 7: Flood Response & Activities

Ryan Londeen, PE, CFM



Task 7: Flood Response & Activities

Goal

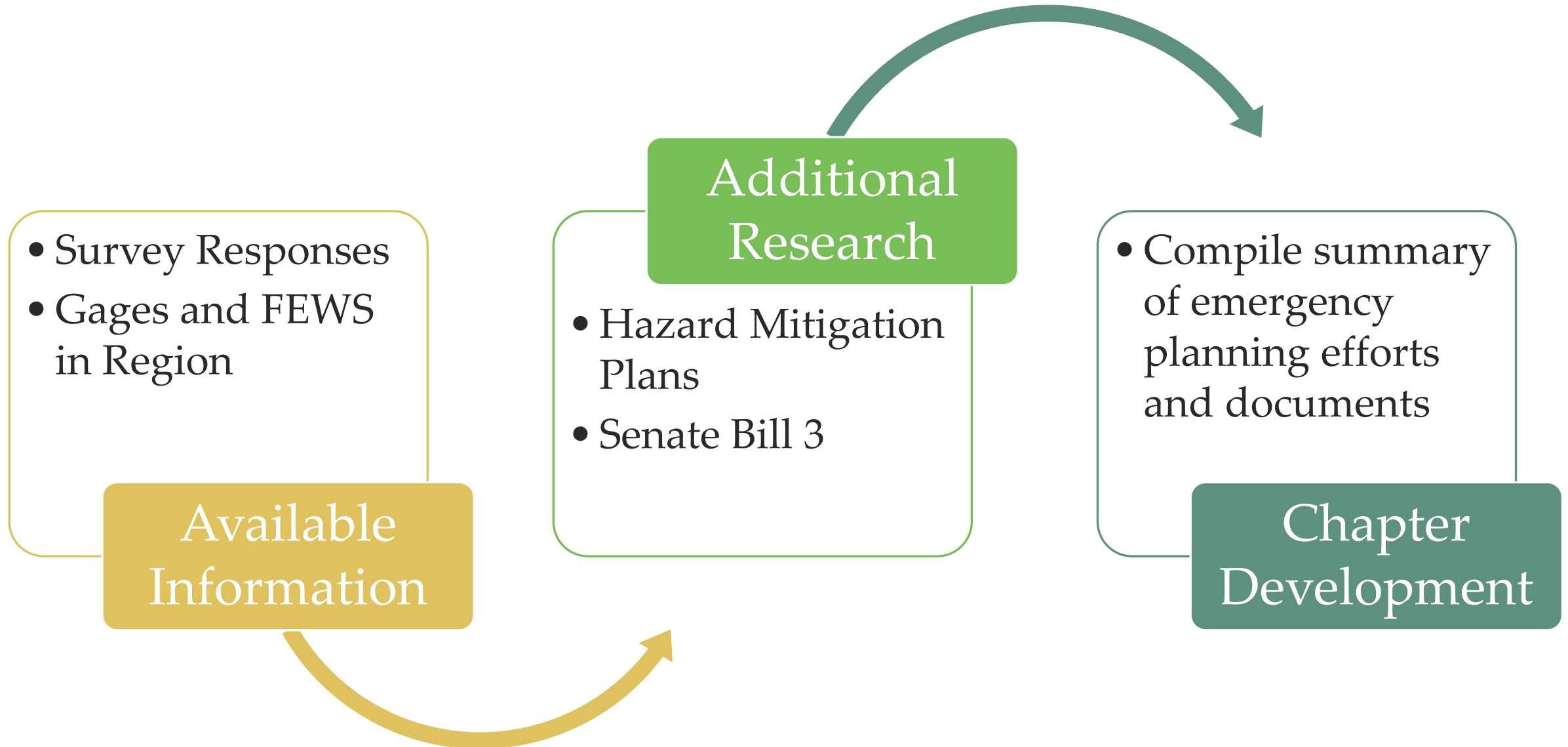
Research and summarize how entities within the region perform flood response and disaster recovery.

FEMA Phases of Emergency Management



“RFPGs must not perform analyses or other activities related to planning for disaster response or recovery activities.”

Task 7: Flood Response & Activities



Task 8: Recommendations

Ryan Londeen, PE, CFM

Task 8: Recommendations

Goal

Develop **recommendations** for **administrative, regulatory, and legislative improvements** related to flood risk and regional flood plan implementation.*



Legislative

- Funding availability & mechanism
- Jurisdictional authority
- Levees & dam oversight



Regulatory

- Statewide standards & policies
- Statewide database & tracking
- Funding application process



Administrative

- Regional flood planning process improvements to scope, data, and general workflow

*Previous Cycle recommendations provided as supplementary handout.

Task 8: Recommendations

Ideas from previous RFPG Meetings

Amendment Process

- Rolling amendments similar to State Water Plan
- Strict documentation requirements for submittal

FMX Funding

- RFPGs prioritize and distribute FIF dollars rather than a state-wide pool of money
- RFPGs select consultant to do FME (Task 5B) work

FMX Ranking / Prioritization

- Accuracy factor to account for base data being used to quantify flood risk
- Emphasis on agricultural benefits

Flood Planning Rules and Guidance

- Additional clarification on various rules
- Consistency with flood quilt each cycle and across regions

LOOKING AHEAD

SEPTEMBER 2026

- Task 4C (FME Performance) – Progress Update
- Task 7 (Flood Response) – Discussion
- Task 8 (Recommendations) – Discussion

NOVEMBER 2026

- Task 4C (FME Performance) – Progress Update
- **Task 5A (FMX Recommendation) – Discussion & Possible Action**
- Task 6 (Impacts of Plan) – Introduction
- **Task 8 (Recommendations) – Discussion & Possible Action**
- Task 9 (Financing) – Introduction

Gold = RFPG Decision or Vote



6. Report from:

6.1. Texas Water Development Board (TWDB) staff

6.2. Regional Planning Sponsor

6.3. Lower Brazos RFPG Chair



7. Discussion and possible action on Election of Officers: Chair, Vice Chair, Secretary, and two At-Large Members of the Executive Committee



8. Confirm the next meeting date and discuss new business to be considered at the next meeting

3rd Thursday of the month for regular RFPG meetings – September 17, 2026, at 10:00 AM



9. Adjourn