

REGION



Lower Brazos
Regional Flood Planning Group

Thursday, May 15, 2025

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**
 - 1. Approval of Minutes from the April 17, 2025, meeting**
 - 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, April 17, 2025

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.

Susan Alford (Resigned)	R	David Lilly		A
Anthony Beach	P	Tim Finley		P
Carl Burch	A	Matt Phillips		P
Sujeeth Draksharam	P	Mark Vogler		P
Charlotte Gilpin	P	Brandon Wade		A
Alysha Girard	P	Claudia Wright (Resigned)		R

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 from the February 20, 2025 meeting

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

Alysha Girard opened the floor for approval of the Consent Agenda Items. February 20, 2025, meeting minutes and finance report were approved as presented. Sujeeth Draksharam made the motion to approve the consent agenda items and Anthony Beach 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 proposed prioritization and approach for developing the Existing Conditions Flood Risk quilt. Alysha Girard asked if GLO models will be collected and incorporated into the flood quilt. Ryan Londeen confirmed that the team is planning to include these as "community models". They will likely override all other data sources where available.

The RFPG encouraged the Technical Consultant team to ensure that the resulting data be transparent on what data source was used in any given area. The Technical Consultant team confirmed that the data will be available through a public viewer and brought to public roadshows so the public can provide comments and see the data sources.

Sujeeth Draksharam asked for clarification on if crossing structures are included within 2D BLE models. Ryan Londeen responded that the structures are only approximated in the models; however, in most cases it is not very impactful on the results within the Lower Brazos Region. The accuracy of the updated land use, terrain, and rainfall is more impactful than the incorporation of these structures which is why the Technical Consultant team is recommending that 2D BLE be ranked above FEMA NFHL. In most urban areas, communities have models that will be leveraged, and these do capture road crossings and other critical infrastructure.

The RFPG agreed with the prioritization approach recommended by the Technical Consultant team. They encouraged

the team to look at each area on a case-by-case basis in case of inaccuracies in any of the data sources.

The Technical Consultant team presented an overview of Task 2B (Future Conditions Flood Risk Analysis). The team is currently downloading and analyzing the Fathom data provided by the TWDB the week of 4/14. Alysha Girard mentioned that we should fully vet the data and consult with other regions before making any final decisions. The Technical Consultant team agreed. Other approaches for estimating future flood risk will be considered alongside Fathom data.

Sujeeth Draksharam asked how much impact sea level rise has on the Lower Brazos Region. Nick Boardman replied that it likely impacts primarily impacts Brazoria County with some impact in Fort Bend County. Tim Finley requested that the Technical Consultant team explore this further to see the extent of the impact. The Technical Consultant team agreed. The GLO river basin modeling has a coastal component that will provide insight on the impact of sea level on flooding conditions within the Lower Brazos.

The Technical Consultant team provided an overview of the plan for Public Roadshows. Alysha Girard mentioned it may be beneficial to have a TWDB representatives present who can speak to funding at the roadshows. The RFPG requested clarification on how the virtual meetings would be facilitated. The RFPG expressed concern with the proposed schedule potentially conflicting with hurricane season and back-to-school time. The Technical Consultant team confirmed that they will look into potential scheduling conflicts and provide more detail on the virtual format.

Alysha Girard encouraged the RFPG to provide any Public Roadshow ideas to sponsor Pamela Hannemann to be passed on to the Technical Consultant team.

5. Discussion and possible action on the addition of a new voting member category of Large Municipalities (> 25,000 population) and change of current Municipal category to Small Municipalities category.

Chair requested a motion for the addition of a new voting category of Large Municipalities (>25,000 population) and change of the current Municipalities category to Small Municipalities category. Alysha Girard made the motion to approve the motion and Matt Phillips seconded the motion. The motion passed unanimously.

6. Report from:

6.1. Texas Water Development Board (TWDB) staff

Tressa Olson provided the TWDB Report to the RFPG.

6.2. Regional Planning Sponsor

Pam Hannemann gave a brief report on current activities.

6.3. Lower Brazos RFPG Liaisons and Chair

The Chair gave a brief report.

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

The next regular meeting will be on Thursday, May 15, 2025, at 10:00AM. The LBRFP Executive Committee will hold a meeting on May 8, 2025, at 1:00PM.

8. Adjourn

Alysha Girard adjourned the meeting at 11:31 AM.

Approved by the Region 8 Lower Brazos RFPG at the meeting held on May 15, 2025.

Brazos River Authority
2028 Region 8 Lower Brazos Regional Flood Planning Group
 From 03/01/25 Through 3/31/25

	Current Period	Life to Date	Total Budget	Budget Variance	% Budget Remaining
Revenues					
State Grants	112,726	294,728	2,520,600	2,225,872	88.31%
Total Revenues	112,726	294,728	2,520,600	2,225,872	88.31%
Reimburseable Expenditures					
Salaries	23	672	14,750	14,078	95.45%
Benefits	10	289			
Indirect Costs	2	67			
Other Expenditures			10,250	10,250	100.00%
Printing/Publishing					
Public Information/Notices/Ads ¹		9			
Misc postage/overnight/Misc/etc. ²		371			
Total Other Expenditures	34	1,408	25,000	23,592	94.37%
Voting Planning Member Travel		-	4,500	4,500	100.00%
Subcontractors ³	112,692	293,320	2,491,100	2,197,780	88.23%
Total Reimburseable Expenditures	112,726	294,728	2,520,600	2,225,872	88.31%
Work in Kind					
Salaries/benefits	551	2,478			
Other	-	-			
Total Work in Kind	551	2,478			
Net Revenue over expenditures	(551)	(2,478)	-	-	

³ Thru 02/28/25



4. Report, discussion, and possible action on a recommendation from the Executive Committee on the selection of candidates for the Environmental, Agriculture, Counties, and Electric Generating Utilities interest representative vacancies

REGION



Lower Brazos
Regional Flood Planning Group

5. Presentation from GLO – Update on the Central Region River Basin Studies



Central Region Update

*Lower Brazos Regional Flood
Planning Group*

GLO River Basin Flood Studies (RBFS)

Commissioner Dawn Buckingham, M.D.

Central Region Team

PROJECT MANAGER
Krista Bethune Melnar



DEPUTY PM
Ashley Poe



**ALTERNATIVES ANALYSIS
MANAGER**
Maggie Puckett



MODELING MANAGER
Garrett Johnston



**OUTREACH
TECHNICAL LEAD**
Pam Hawkins
H2O Partners



**OUTREACH
SPECIALIST**
Will Parker
H2O Partners



**OUTREACH
SPECIALIST**
Jerri Daniels
Dewberry



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



Shannon Longoria

IGR REPRESENTATIVE

Community Revitalization
and Development



Melissa Washington

IGR REPRESENTATIVE

Community Revitalization
and Development

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





Agenda

- Study Overview
- Region-wide Recap
- Data Sharing
- MATCH Tool
- Next Steps

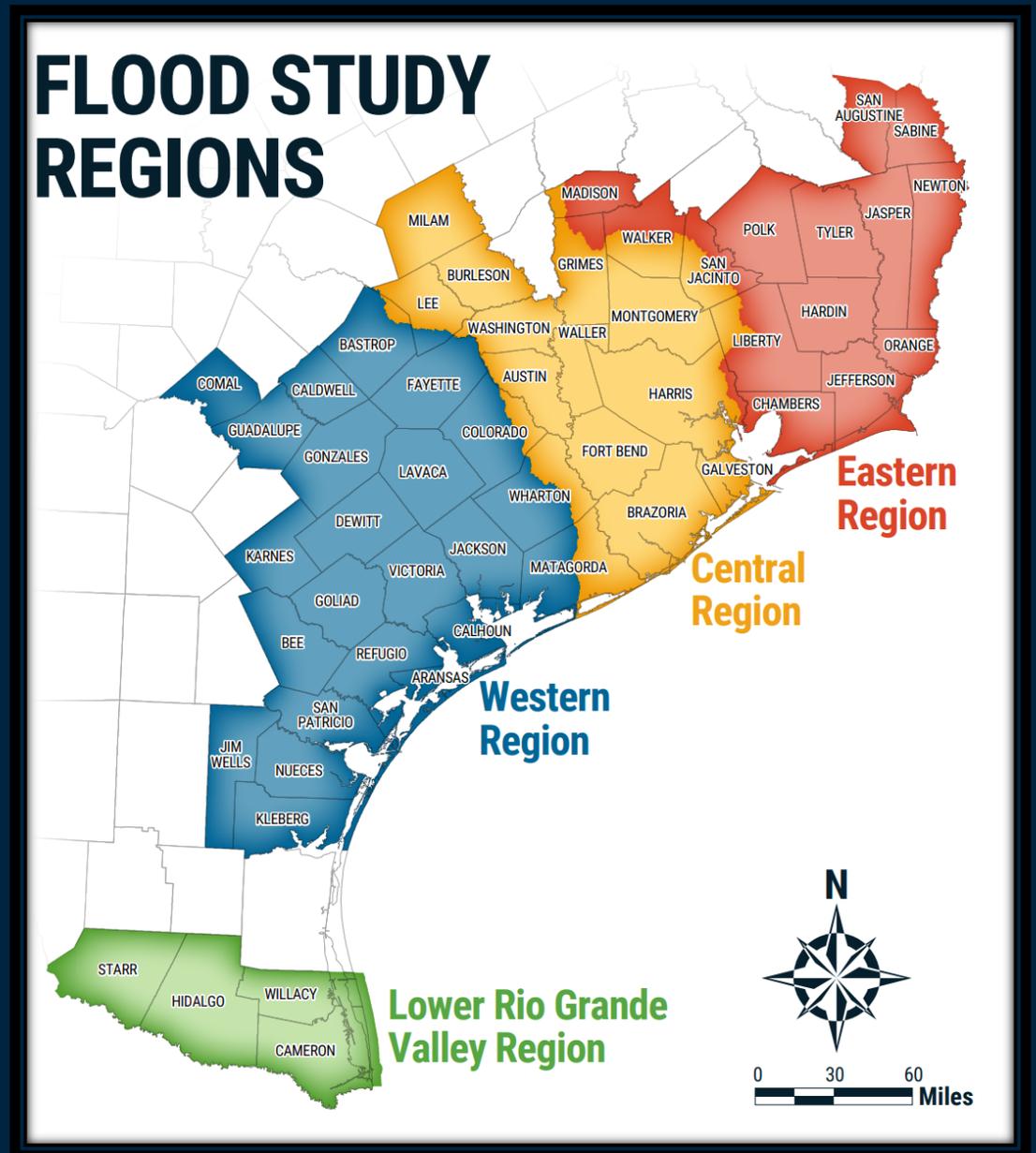


GLO's River Basin Flood Studies (RBFS)

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.

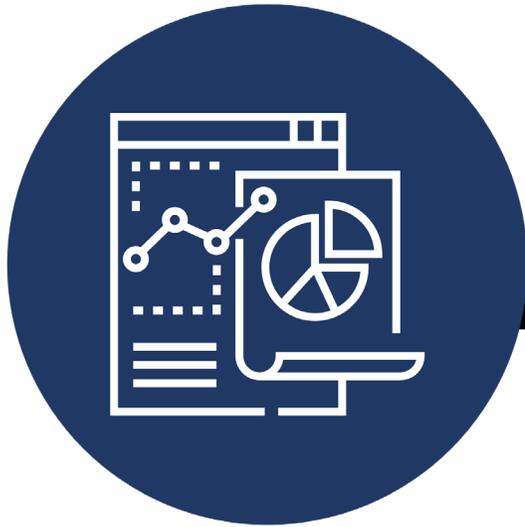


Texas General Land Office | CDR

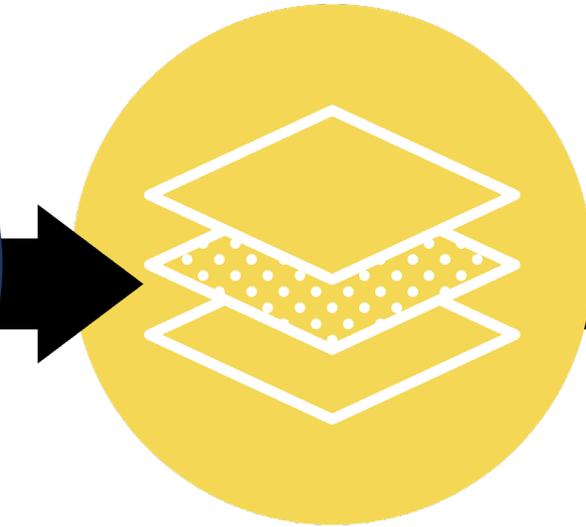
Commissioner Dawn
Buckingham, M.D.

Study Phases

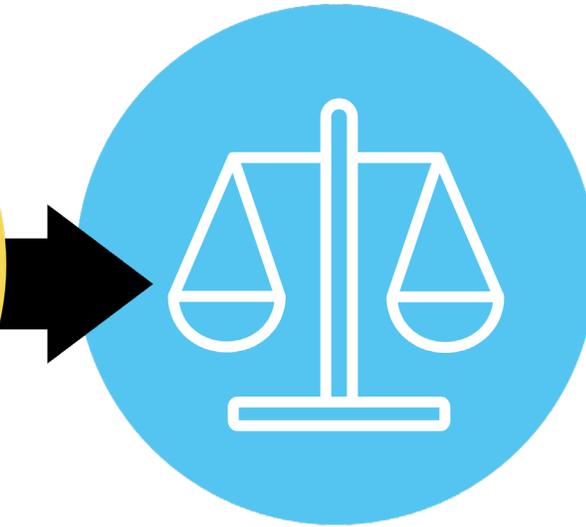
Stakeholder Outreach



Data Collection



Evaluation of Flood Risk



Alternative Analysis and Project Identification



Project Funding Support and Technical Assistance



Central Region Milestones



50 Stakeholder Meetings Held



78,956 Pieces of Data Received



Baseline Modeling covering 5,941 square miles



1,010 Projects Identified

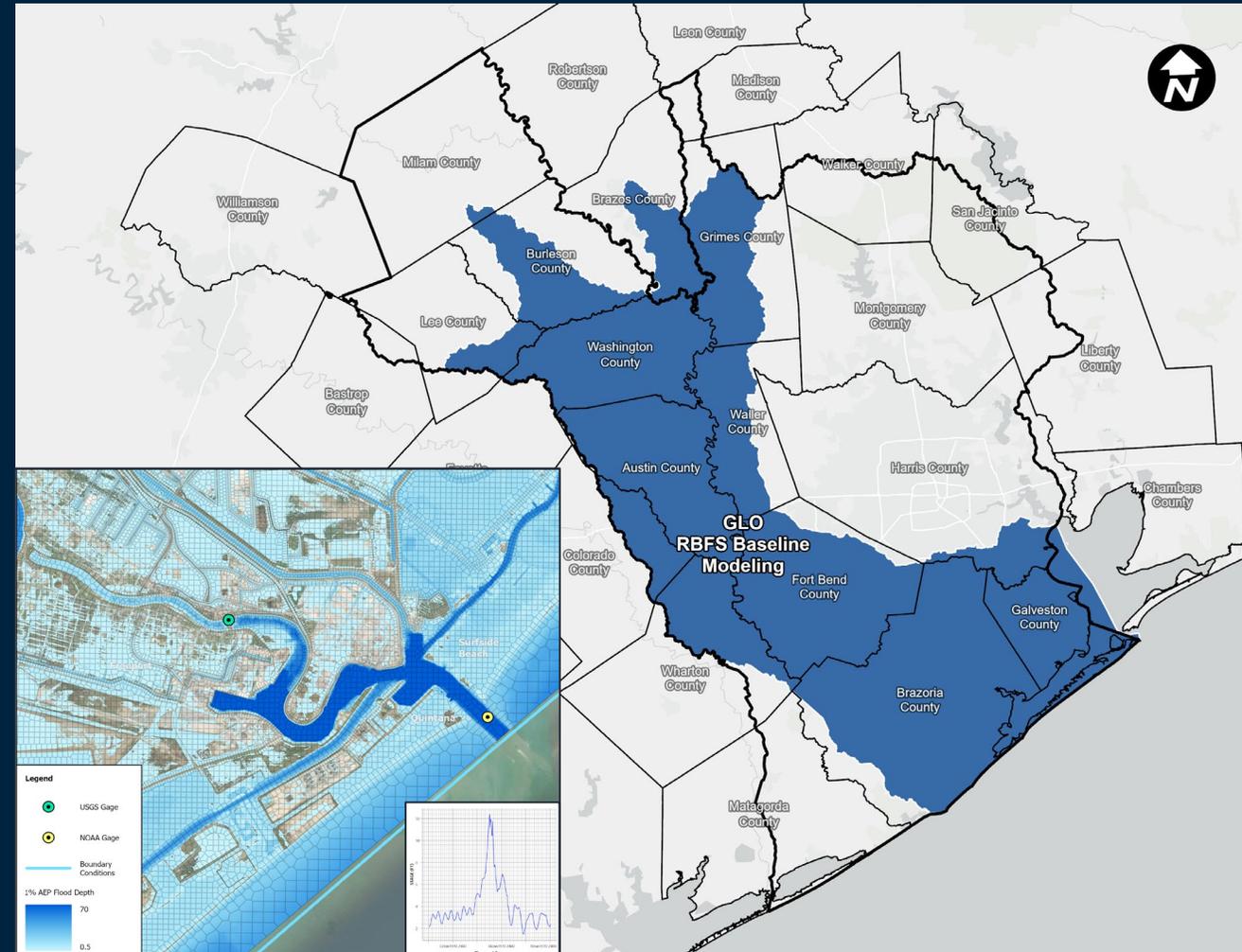


Input from 40 Jurisdictions



RBFS Baseline Modeling Overview

- 9 individual study areas covering 5,941 mi²
- Comprehensive modeling of flood risk:
 - 50% - 0.2% Annual-Chance Events (2YR – 500YR)
 - Riverine Atlas 14
 - Coastal and Compound Flooding
- Rainfall-Runoff and Rain-on-Mesh Hydrology
- Detailed 2D HECRAS hydraulic models
- Calibration and Validation w/ historical events



Data Sharing with TWDB Regional Flood Planning Groups

- GLO/TWDB Data Sharing Agreement signed 07/2021
- Collaboration during the 1st RFPG Planning Cycle
- Continuation of Collaboration during the 2nd RFPG Planning Cycle



**TEXAS WATER
DEVELOPMENT BOARD**



1st Flood Planning Cycle Successes

RFPGs/TWDB provided:

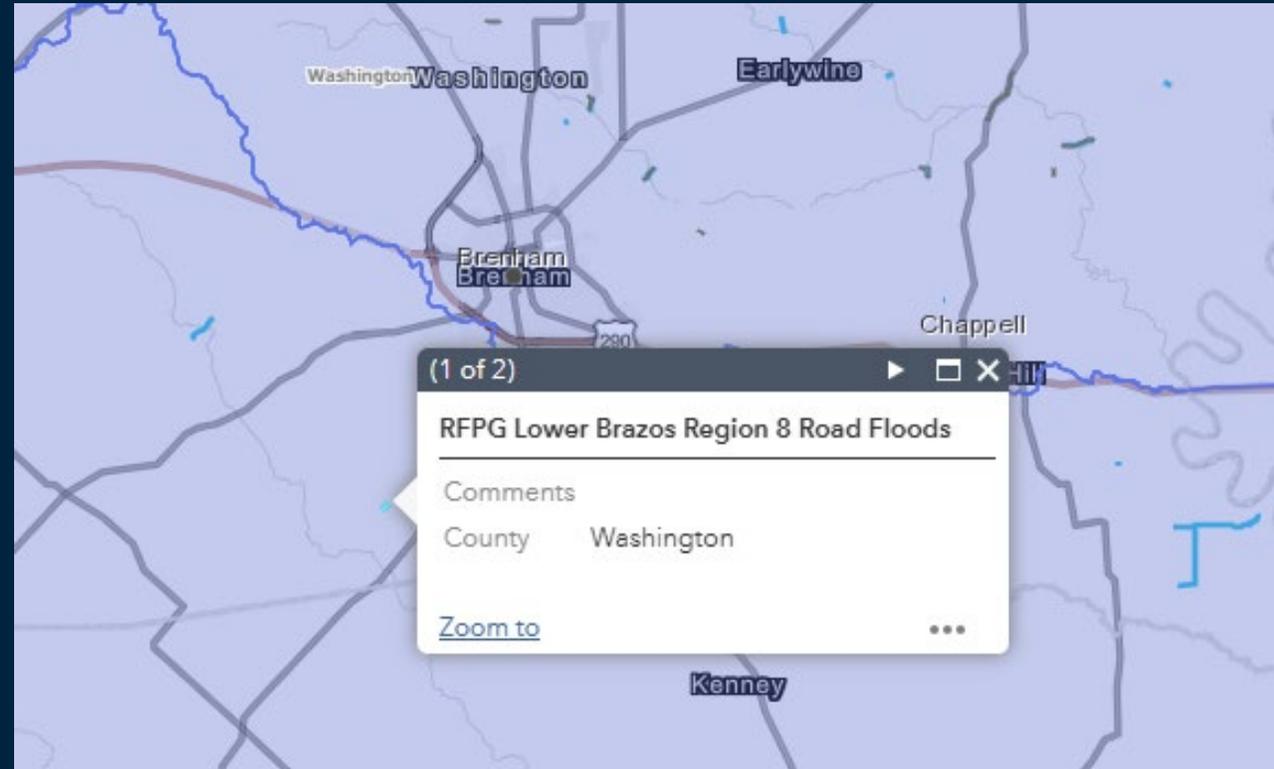
- Flood-prone areas
- Ongoing projects identified by stakeholders
- Regional Flood Plans and supporting data

GLO FBS provided:

- Project data:
 - FIF projects
 - CDBG MIT projects
 - Hazard Mitigation Plans

Successful Coordination

- Stakeholders witnessed the benefits of data sharing
- Both RFPGs and GLO FBS incorporated shared data into their efforts



2nd Flood Planning Cycle Opportunities

Continued sharing of data

- GLO/TWDB Data Sharing Agreement signed 07/2021
- GLO FBS modeling available to share with RFPGs in Spring 2025
- Identified flood mitigation projects (FMPs)
- Potential funding sources for identified FMPs



**TEXAS WATER
DEVELOPMENT BOARD**

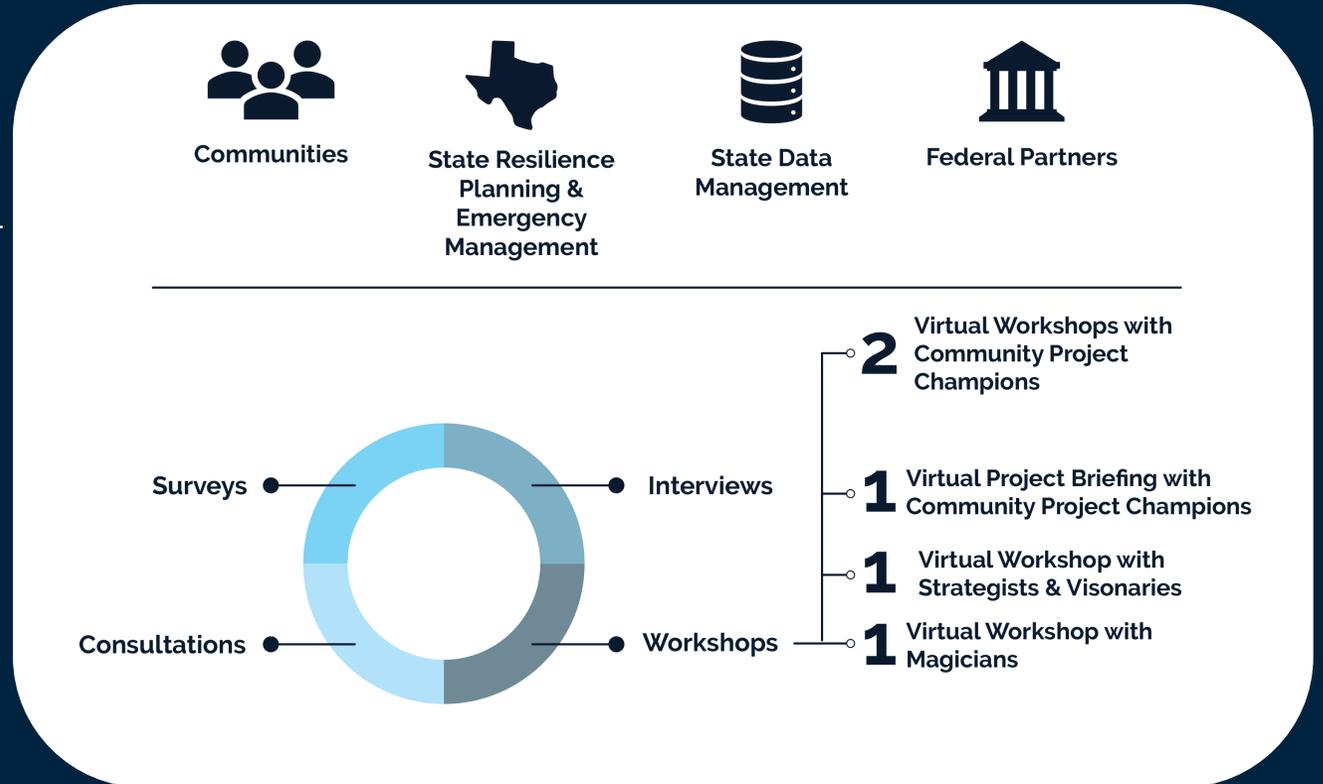


Mitigation Assistance for Tailoring Choices (MATCH) Tool

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



The Approach



Draft Mockup



MITIGATION ASSISTANCE FOR TAILORING CHOICES

[Home](#) [Funding Opportunities](#) [Projects](#) [Application Insights](#) [Resources](#) [About](#) [Log In](#)

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.

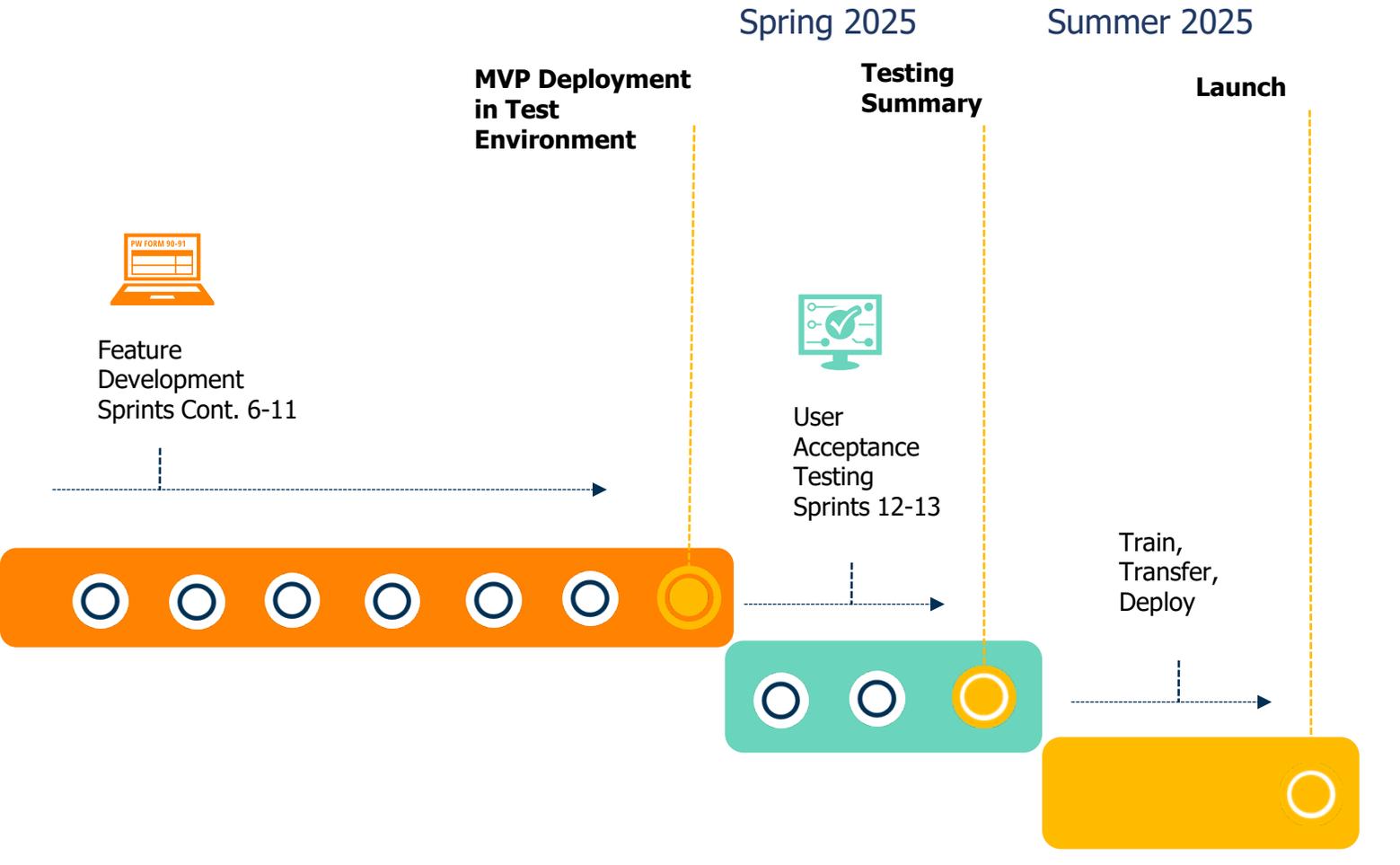

Resources
Explore resources to support application development and answer frequently asked questions.

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

[View Announcements](#) 



MATCH Next Steps



- Help Spread the Word
- Provide Feedback



Central Region Next Steps

Spring 2025 Watershed Meeting Series



Alternatives Analysis and Project Identification

Funding and Technical Assistance

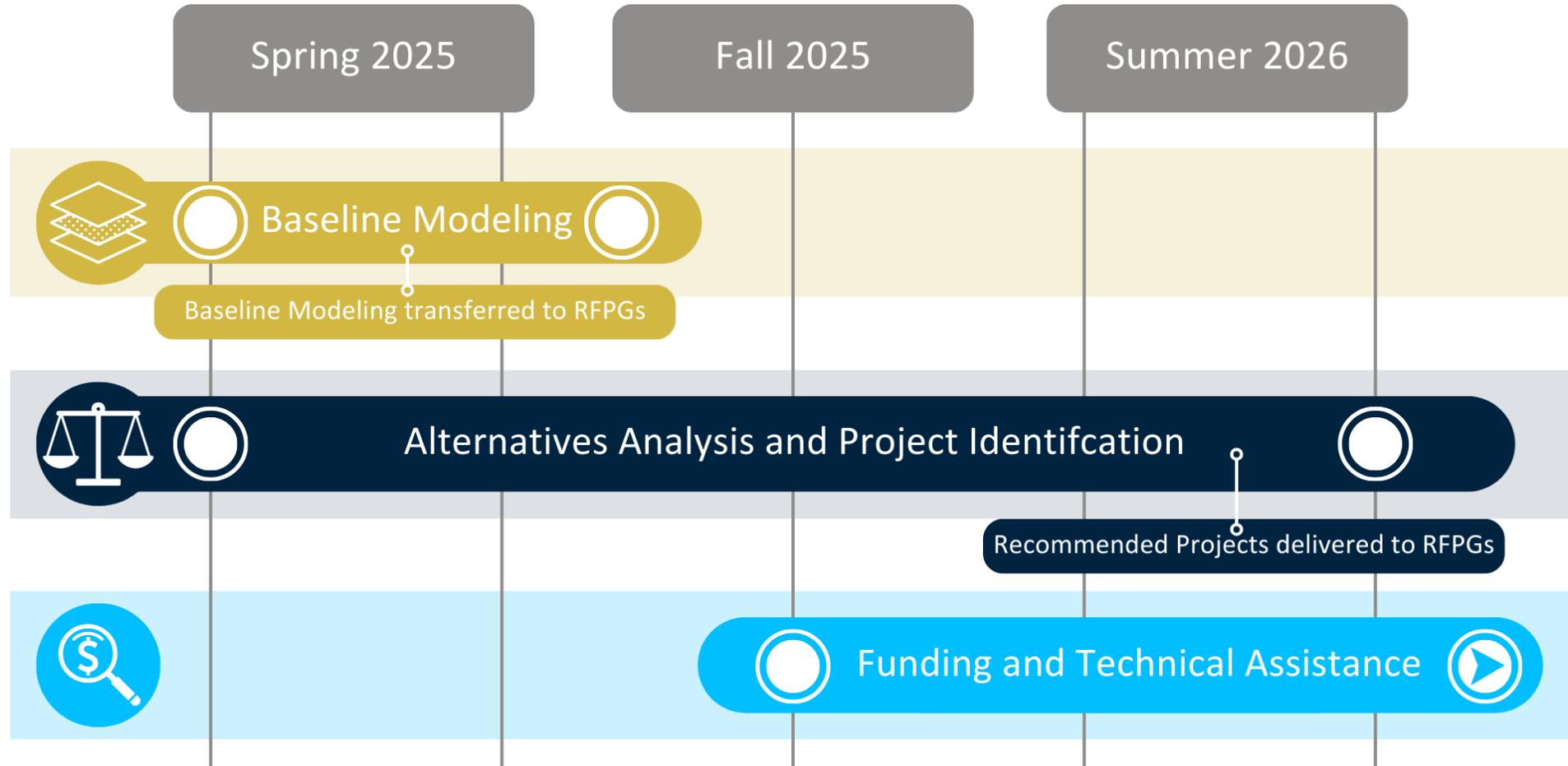


Modeling Next Steps (Alternative Analysis)

- Flood risk “hot-spots” determined throughout Central Region
 - Based on several factors including:
 - Social Vulnerability (SoVI)
 - Flood risk to structures
 - Flood risk to critical infrastructure
 - Flood risk to agricultural land
 - Flood risk to roadways
- Regional-scale alternatives developed and modeled in detail
 - Baseline models or best-available data will be used as a starting point
 - Emphasis on multi-jurisdictional mitigation projects and strategies
 - Coordination with ongoing studies/projects to manage duplication of effort and maximize benefit to communities in Central Region



Central Region Timeline



QUESTIONS?

Contact GLO-CDR by email at
glofloodstudies.central@recovery.texas.gov

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





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

Technical Consultant Update

May 15, 2025



Agenda



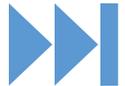
General Updates



Community Questionnaire



Public Roadshow Update



Task 2B – Future Conditions Flood Risk Update



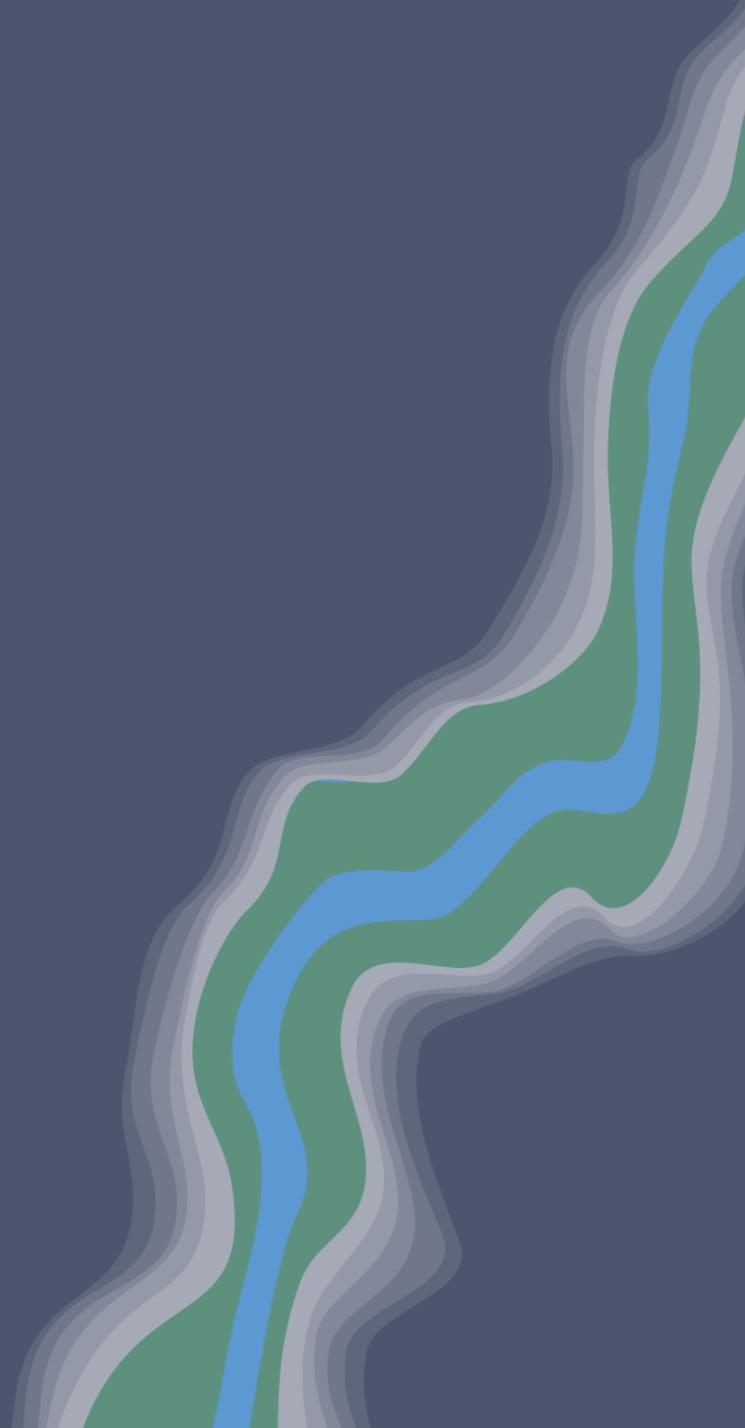
Task 3A – Floodplain Management Practices



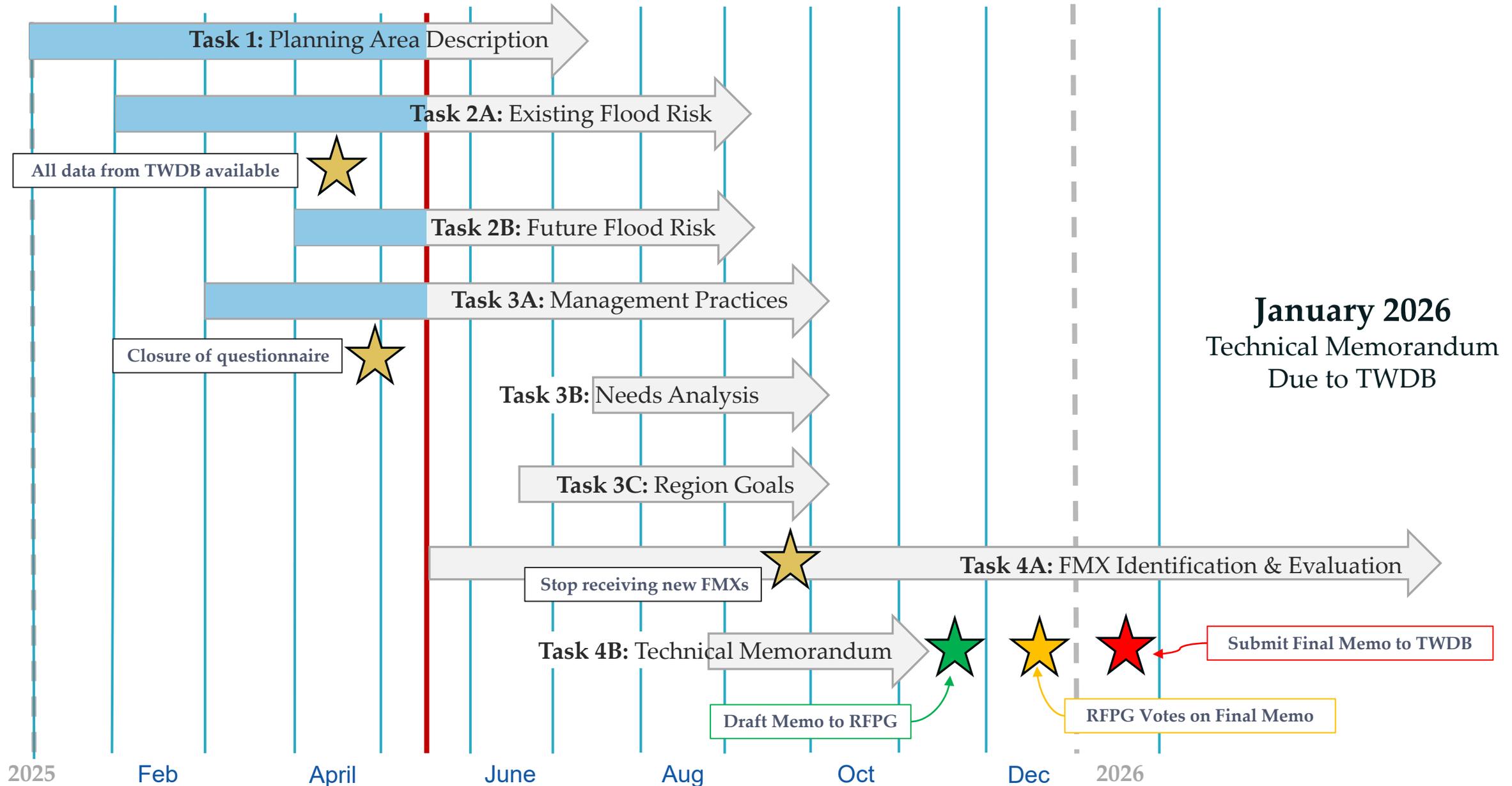
Task 4A – Identification and Evaluation of FMXs

General Updates

Ryan Londeen, PE, CFM (Halff)



Schedule Updates



General Updates

Task 1

- Working through Chapter updates to reflect changes in data
- Analyzing flood infrastructure throughout the region

Task 2A

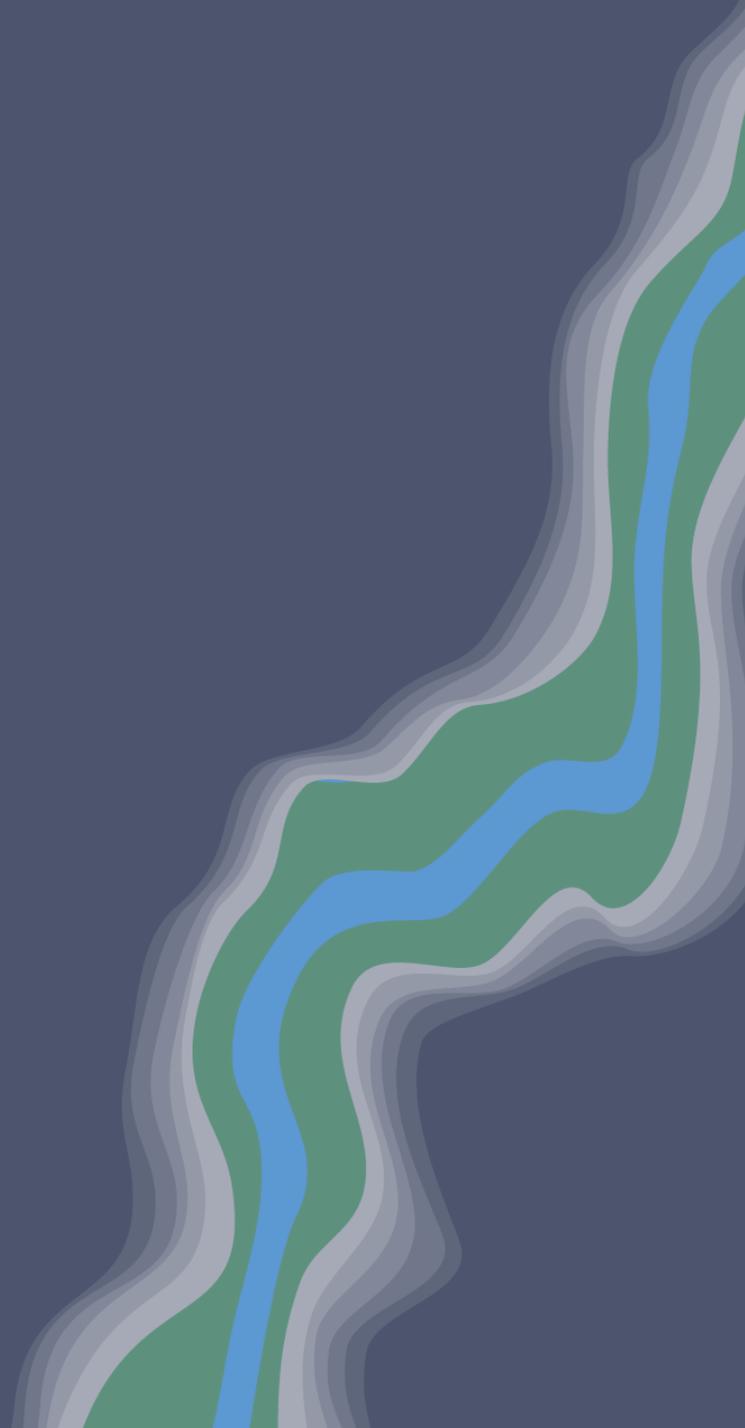
- Gathering and analyzing community submittal models
- Reviewing continuity of layer sources

TWDB Data

- Received Future Fathom data
- Received full report on developments of Existing and Future Fathom data

Community Questionnaire

Jenna Blohm, EIT, CFM (Halff)



Distribution



Questionnaire Distribution

- Distributed questionnaire originally on January 17th
- Sent reminder and notice of deadline extension on March 18th and 21st
- Deadline was April 25th



Personal Outreach

- Followed up with 100+ entities
- Personal phone calls and emails
 - Ensure they received questionnaire
 - Provide guidance and assistance as needed

Responses

*Refer to supplemental documentation for responses per category

CATEGORY

RELATED TASKS

Floodplain Studies / Maps



Task 2A, Task 2B

Floodplain Management / Ordinances



Task 3A, Task 3C,
Task 8

Risk Reduction Alternatives



Task 4A, Task 5A

Hazard Mitigation & Emergency Planning



Task 7, Task 8

Flood Finance

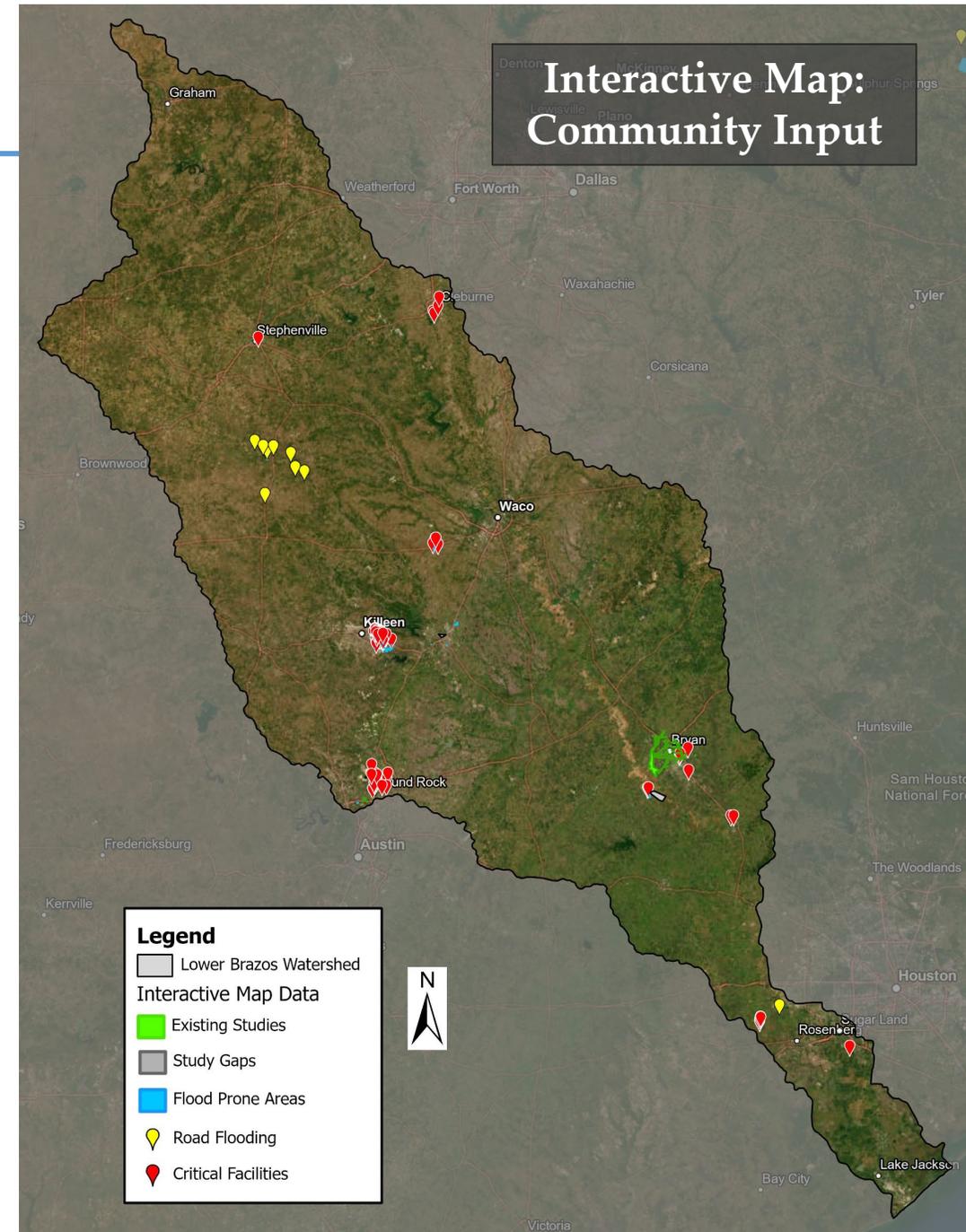


Task 9

Interactive Map

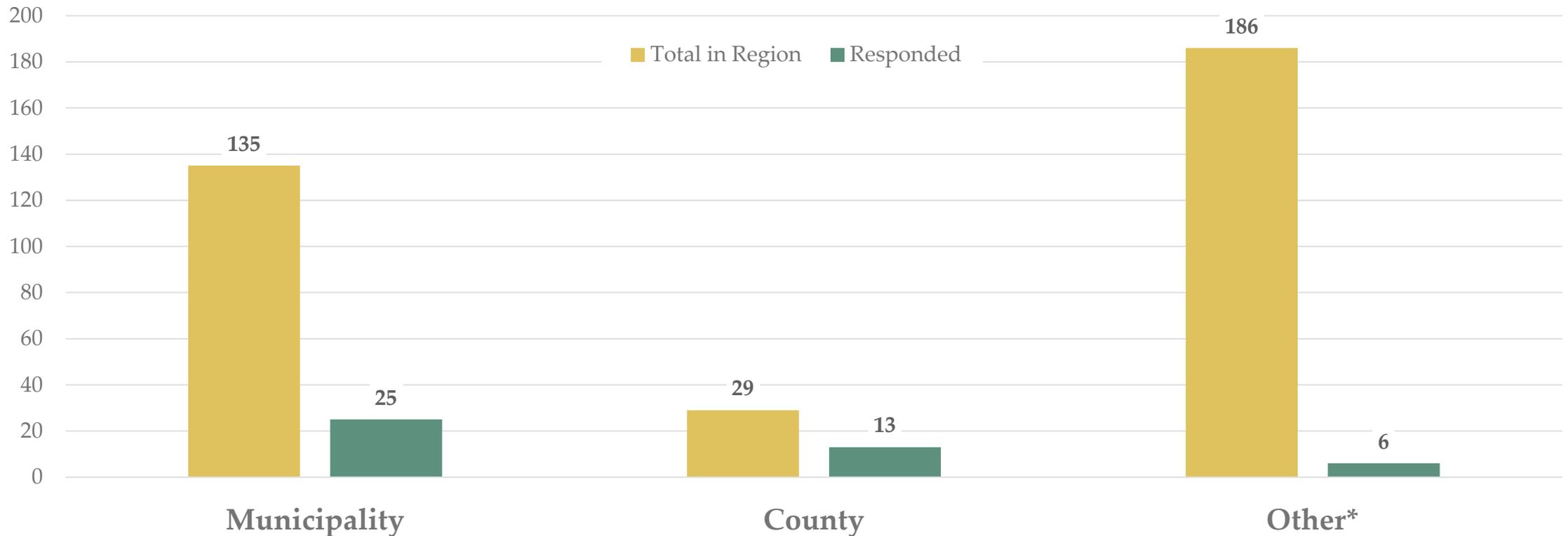


Task 1, Task 2A,
Task 2B



Engagement

90% of users who opened the survey, completed all the questions.

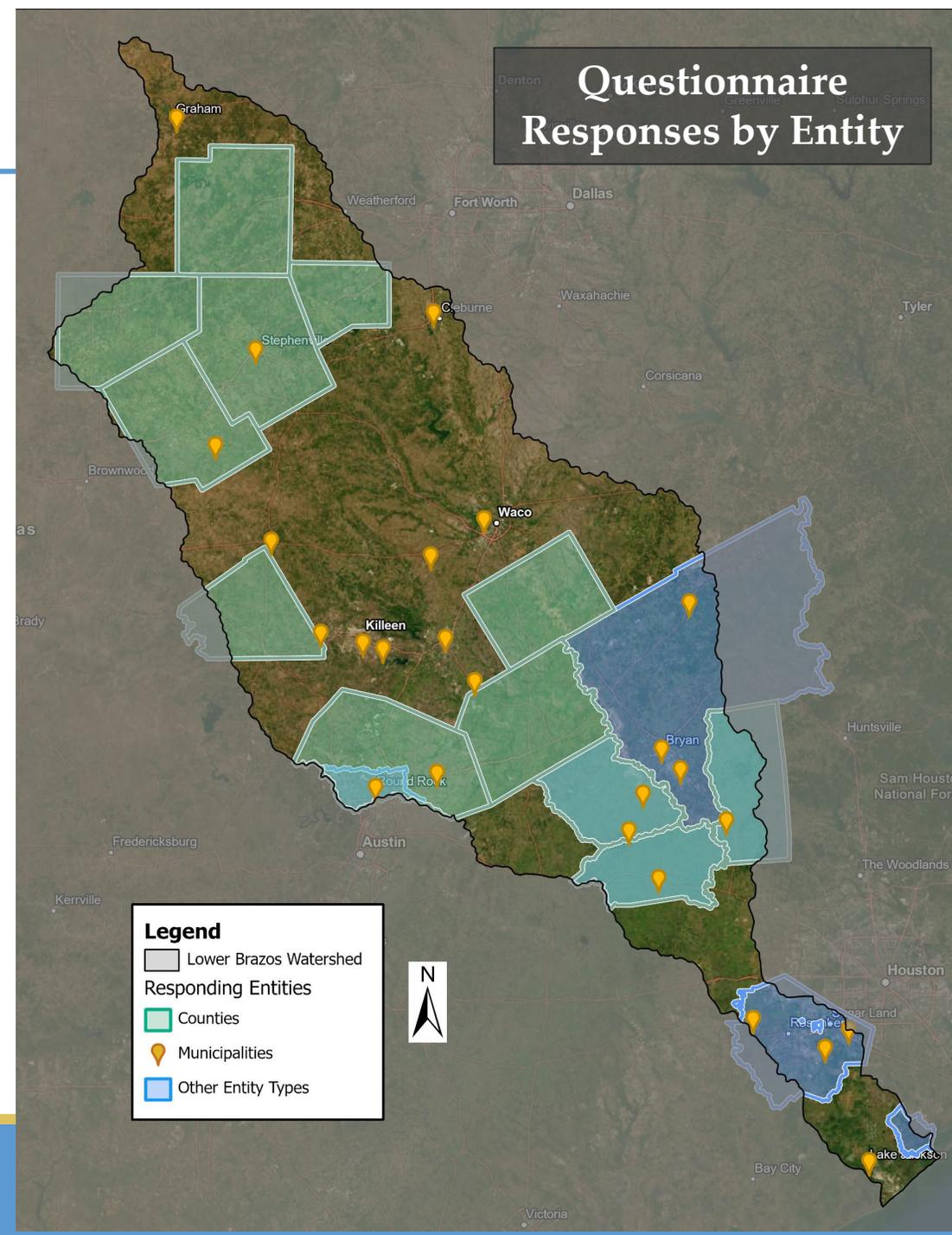


*Other includes drainage districts, levee improvement districts, water control and improvement districts, municipal utility districts, and council of governments.

Engagement

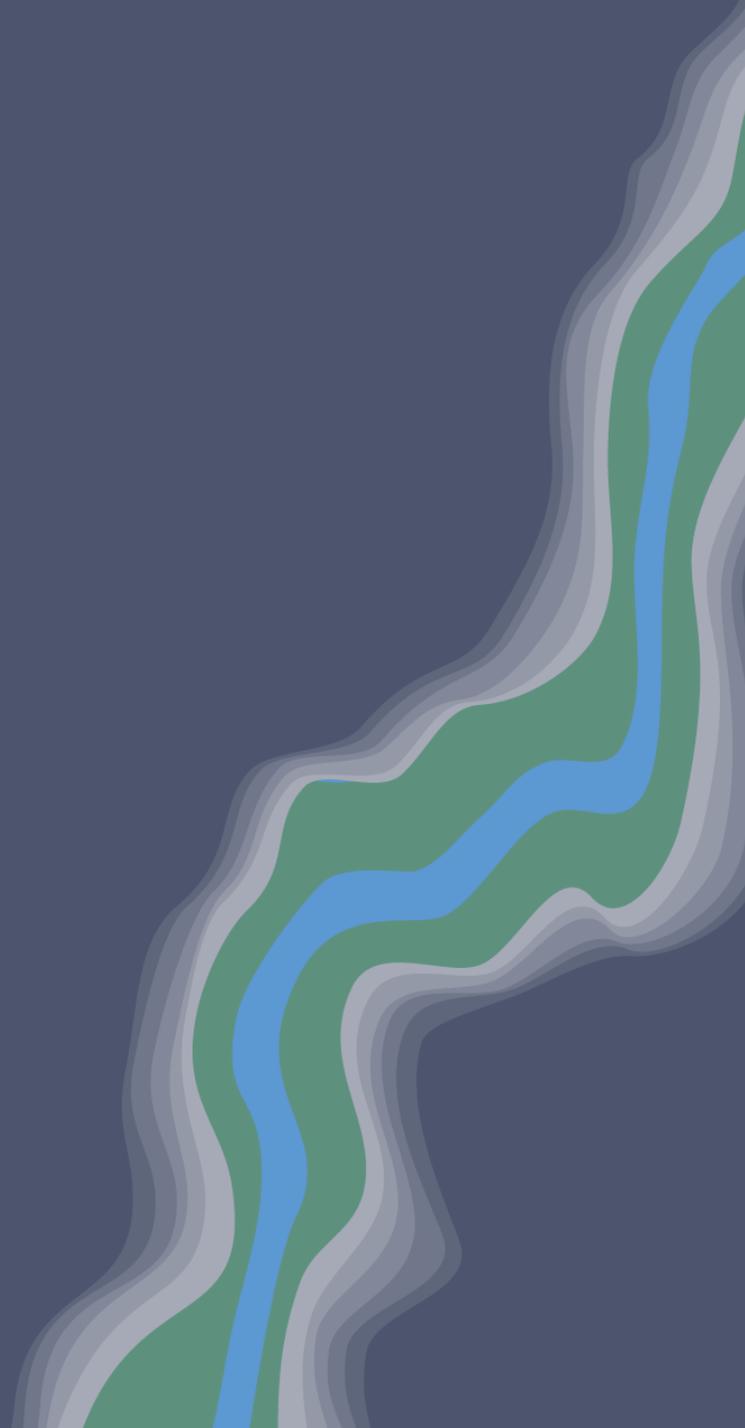
Responses represent roughly 1,692,000 people*
~43% of the population of the region Lower Brazos Region

*Estimate based on 2030 population data



Public Roadshow Update

Connor Stokes (Hollaway)



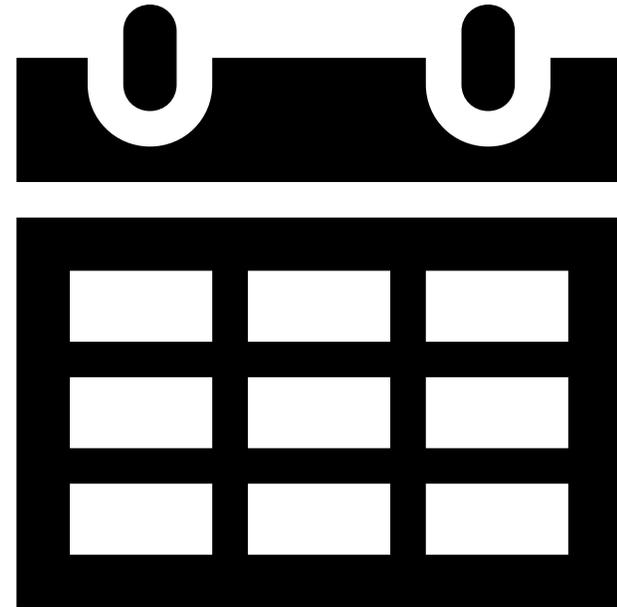
Schedule Considerations

School Year Conflicts:

- Proposed roadshow meetings will begin (August 21, 2025) approximately 1 week following the start of the new school year in most areas in Region 8.
- Proposed roadshow dates do not conflict with new school year start dates in the proposed roadshow locations.
- First day of school start dates in proposed roadshow locations:
 - Waco ISD – August 13
 - Lamar CISD (Rosenberg) – August 11
 - College Station ISD – August 16
 - Georgetown ISD – August 14
 - Granbury ISD – August 14

Hurricane Season Risk:

- Lower Basin roadshow meetings are now proposed to occur during the week of August 25, 2025, to reduce potential risk of hurricane or tropical storm disruption.
- We will not be without risk during the proposed August – September timeframe for the roadshow. Hurricane season runs from June 1st to November 30th, with the highest risk of storms occurring between August and October.



Proposed Roadshow Schedule

Location	Target Venues	Target Date
Waco	Brazos River Authority Central Office 4600 Cobbs Dr, Waco, TX 76710	Aug. 21, 2025
College Station	Visit College Station Event Center 1207 Texas Ave, College Station, TX 77840	Aug. 26, 2025
Rosenberg	Rosenberg Civic Center 3825 Highway 36 South, Rosenberg, TX 77471	Aug. 28, 2025
Granbury	Hood County Annex I 1410 W. Pearl Street Granbury, TX 76048	Sept. 9, 2025
Georgetown*	Georgetown Community Center 445 E. Morrow St, Georgetown, TX 78626	Sept. 11, 2025

**Venue availability not yet confirmed.*

Virtual Open House Overview

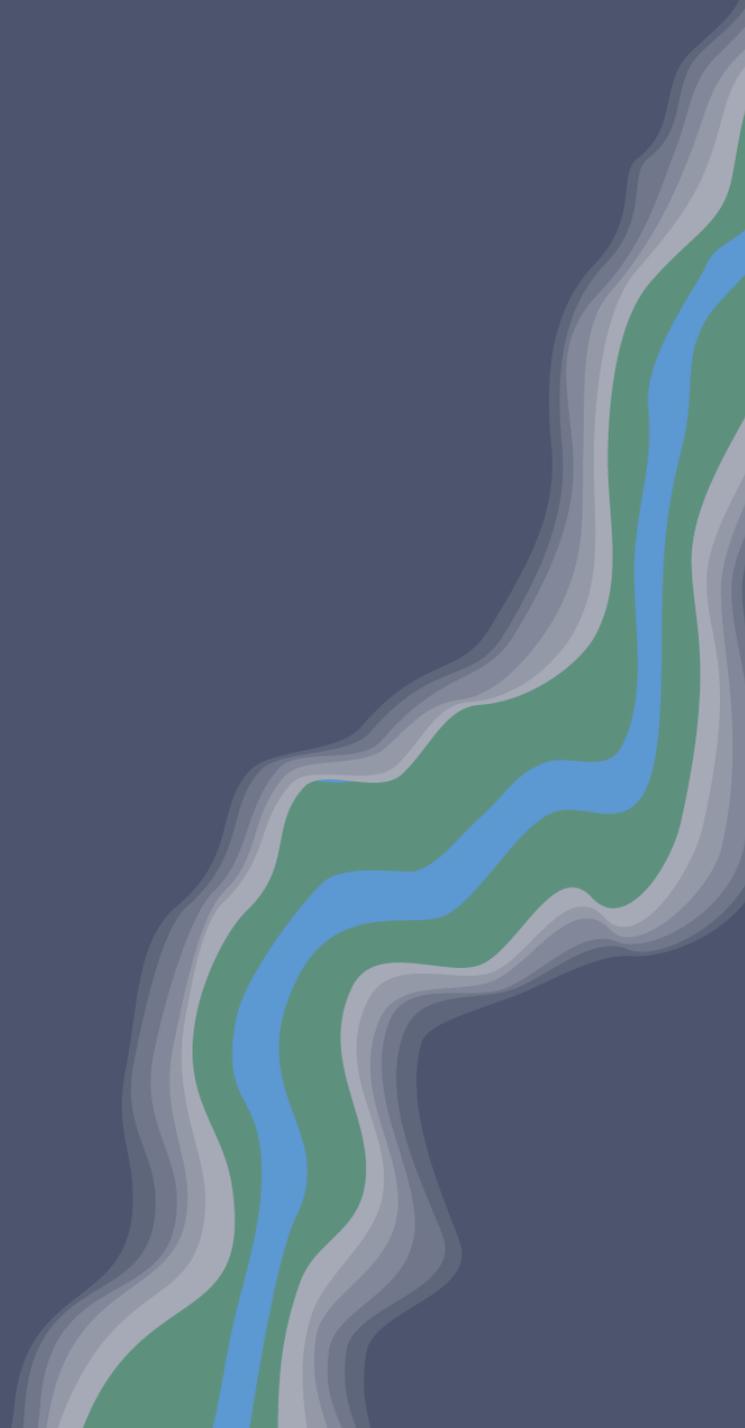
Proposed Format:

- Orientation at start with “How to Participate” overview
- Clear ground rules for orderly participation
- Attendees join topic-specific breakout sessions
- Presentations followed by facilitated Q&A
- Technical support available throughout
- Flexibility to adjust session times as needed

6 – 8 PM – Virtual Public Open House	Welcome and Introductions / Orientation			
	Breakout Session 1	Station 1	Station 2	Station 3
	Breakout Session 2	Station 1	Station 2	Station 3
	Breakout Session 3	Station 1	Station 2	Station 3
	Closing Remarks			

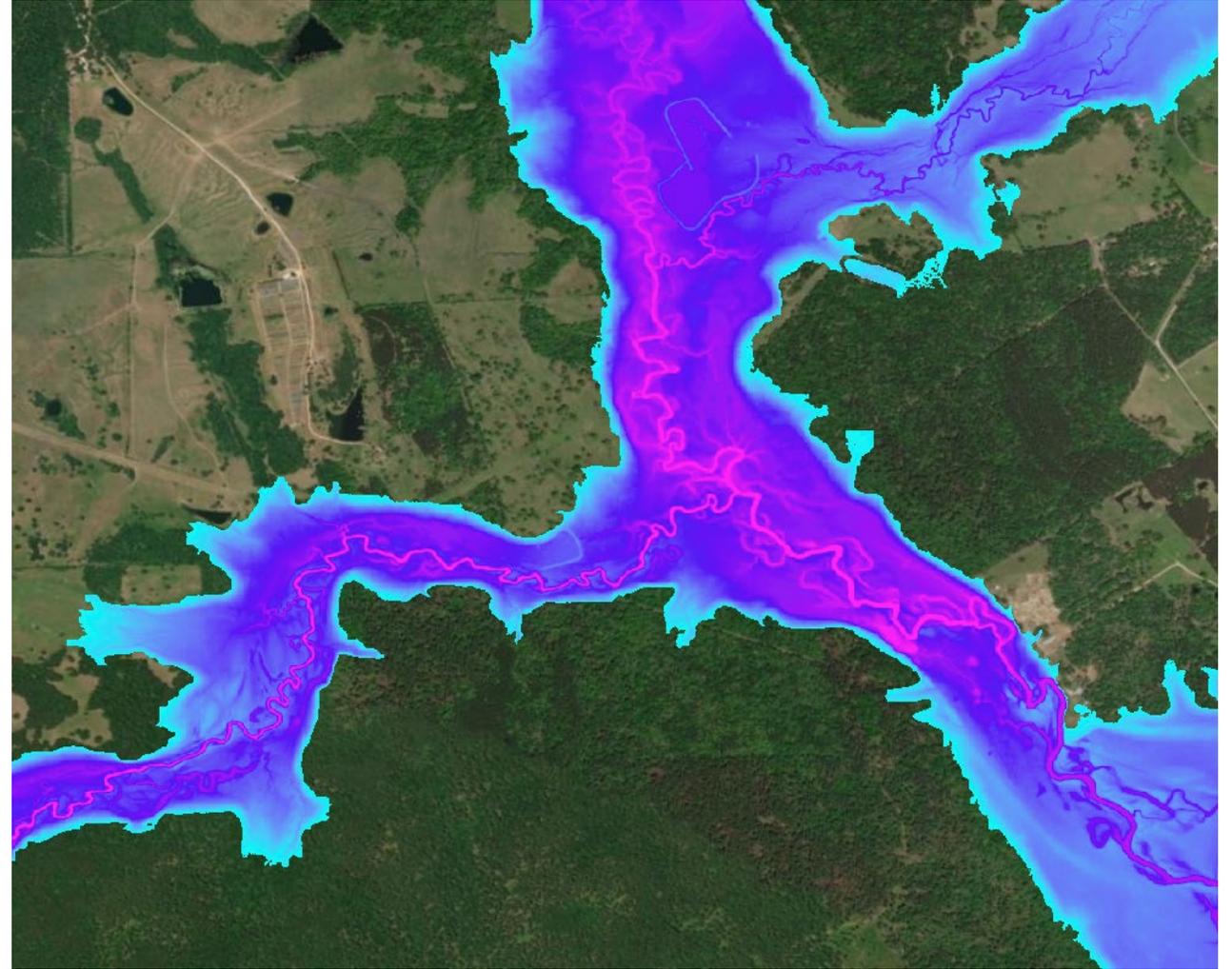
Task 2B – Future Condition Flood Risk Update

Nick Boardman, PE, CFM (Freese and Nichols)



Task 2B Summary

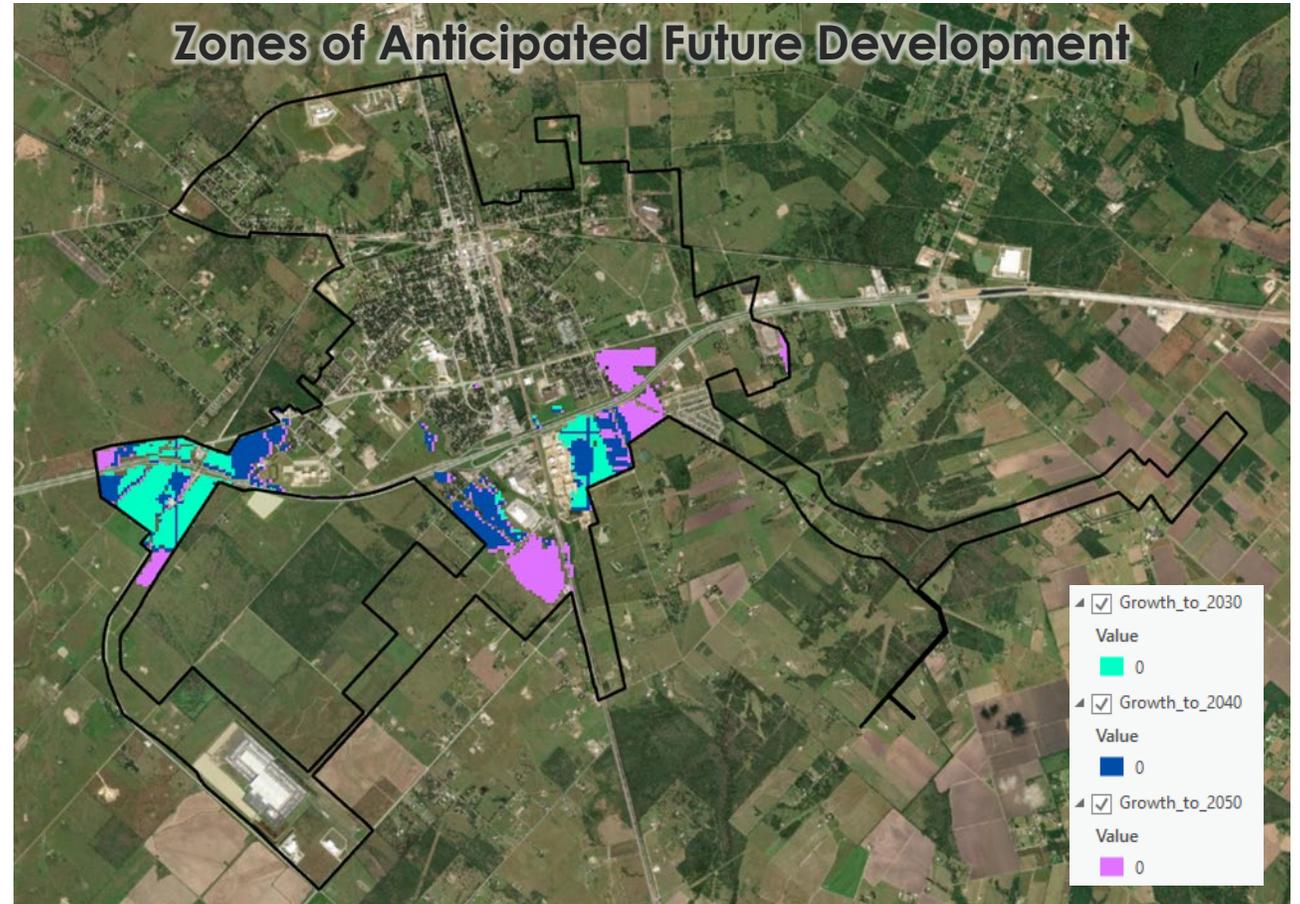
The Future Condition Flood Risk Analysis anticipates year 2060 conditions, considering changes to flood hazard, exposure, and vulnerability over time.



Task 2B Exposure Recommendation

Exposure and Vulnerability:

- Update buildings layer using State Water Plan census block population projections to **anticipate future residential development**
- Use Future Flood Hazard layer with updated buildings to calculate exposure and vulnerability metrics



Task 2B Hazard Recommendation

Option 1: Future Conditions Fathom

- Simplified approach, does not leverage new data

Option 2: Best Available Data

- Use Fathom **future rainfall adjustments**
- **Develop future land cover dataset**
- Perform simplified updates to best available model data
- Results in higher accuracy data
- **Model** Data prioritization:
 - Community Models (GLO)
 - BLE – 2D
 - **BLE – 1D (Vertical Buffer of WSE data)**
 - Fathom

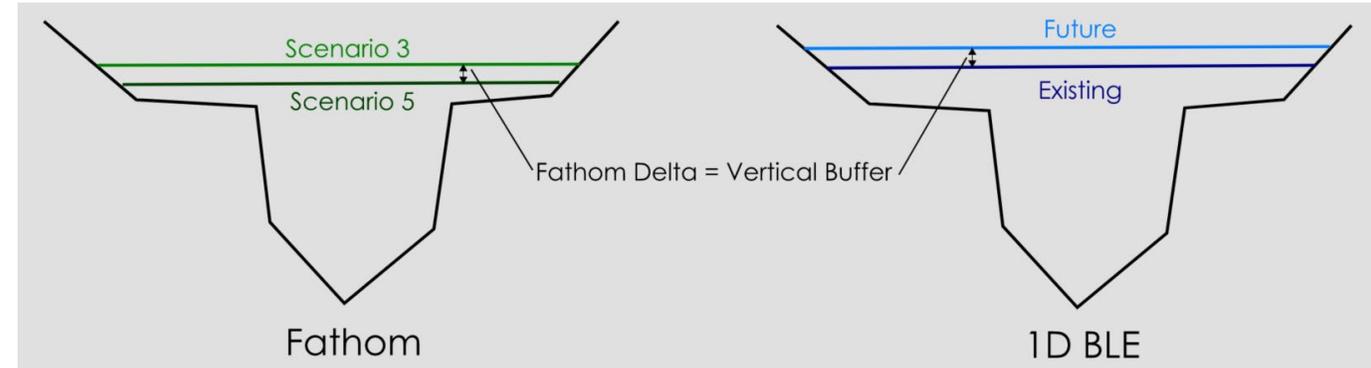
Update Brazos River mapping using Option 2 approach

Task 2B Hazard Recommendation

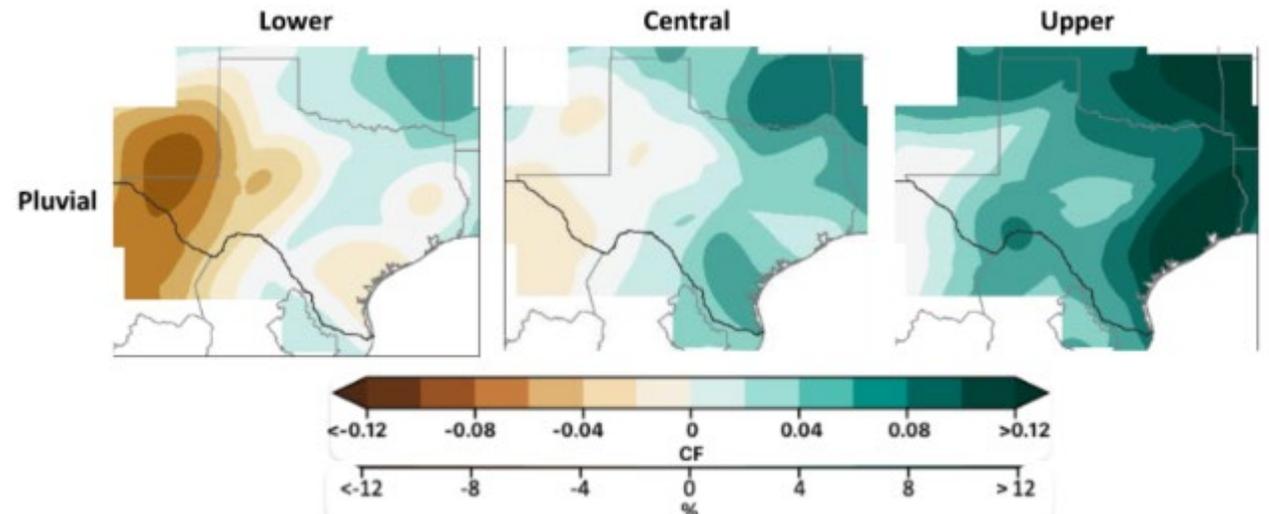
Option 2 Approach updates

- 1D BLE data to be vertically buffered based on review/comparison to Fathom
- Update impervious cover to account for future development
- Full report of Fathom study provided, includes rainfall adjustments

Vertical buffer

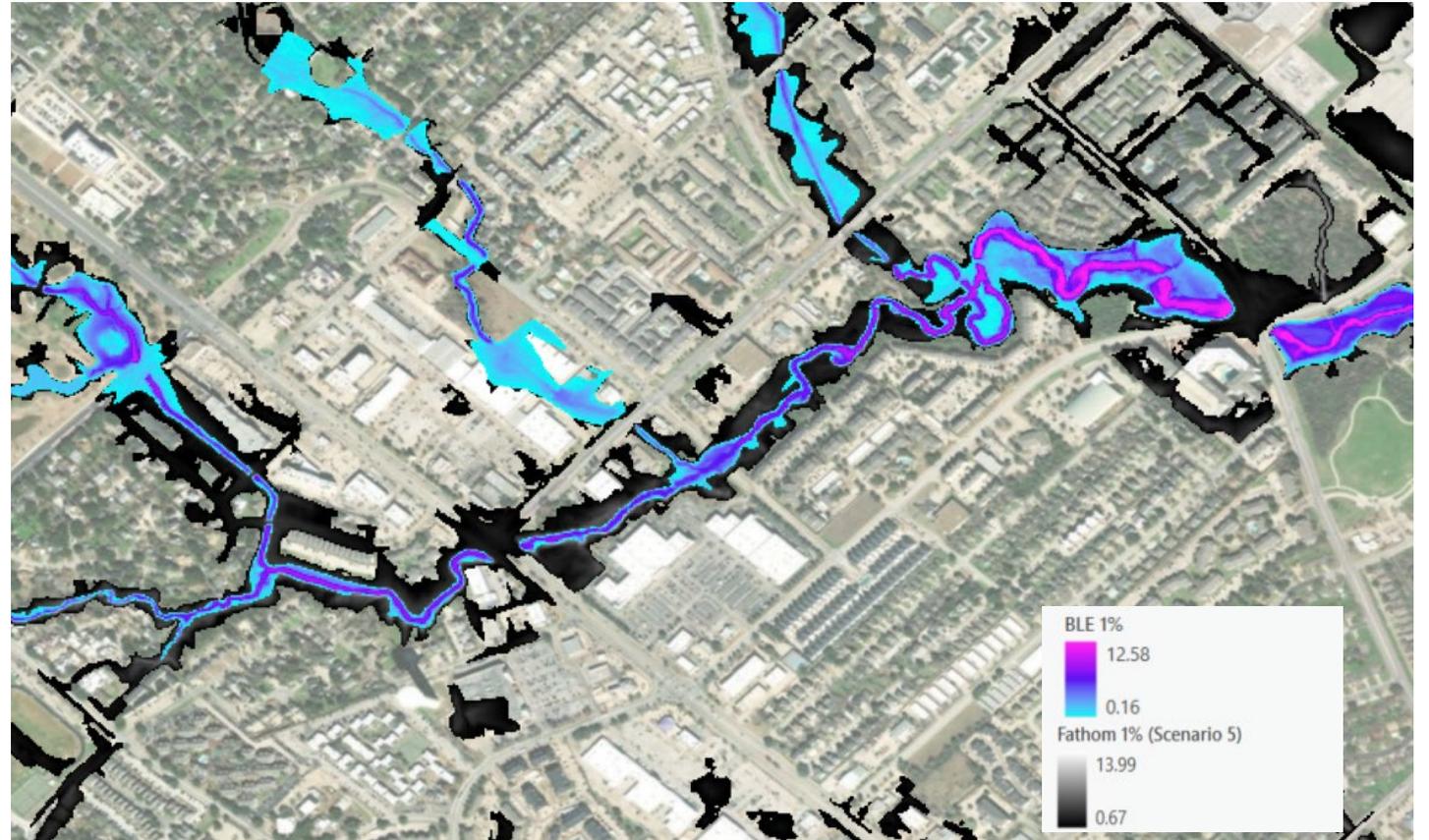


Fathom Precipitation Increase



Task 2B Hazard Recommendation

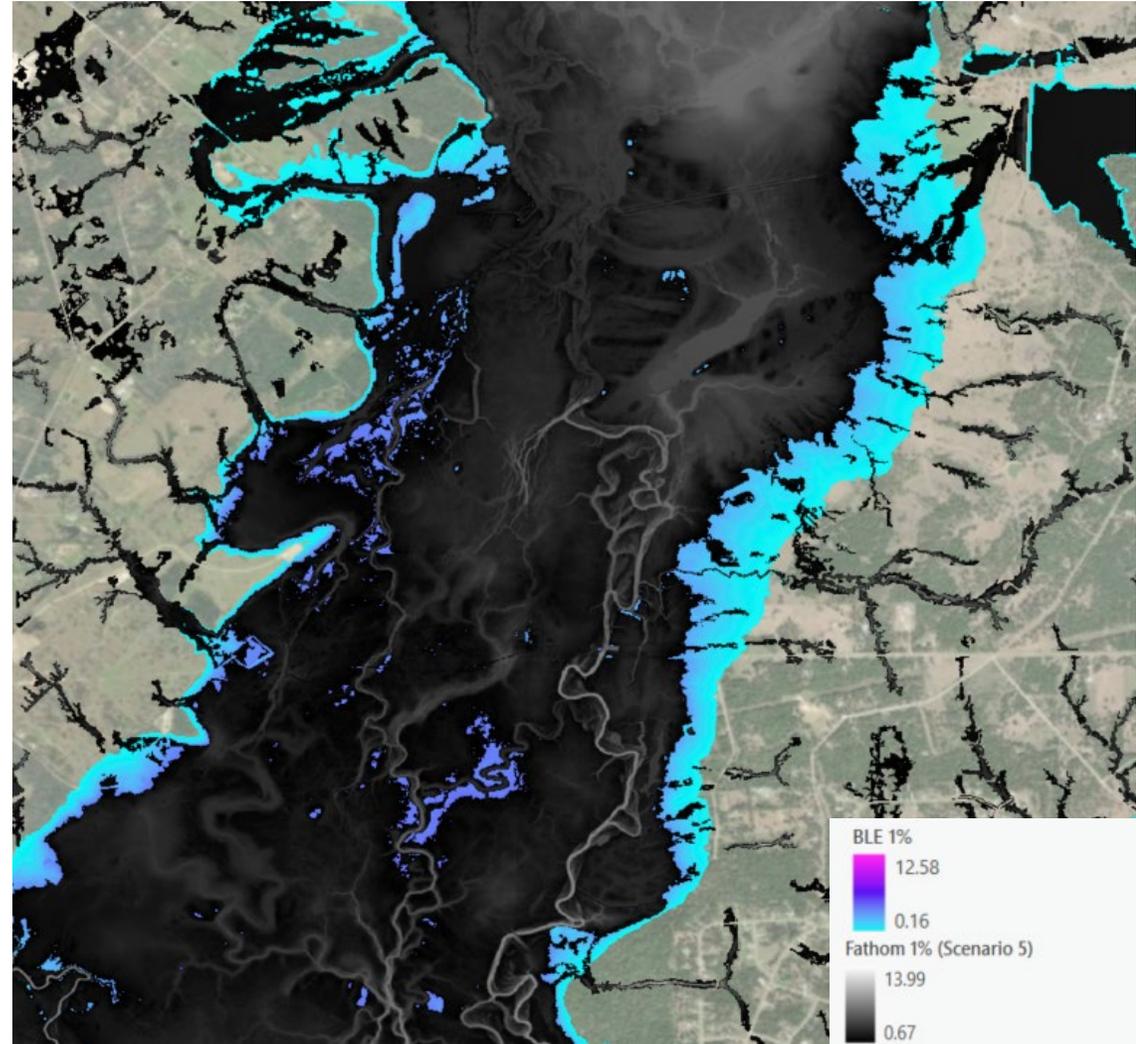
Fathom and BLE Comparison
Pluvial Example: College Station



Task 2B Hazard Recommendation

Fathom and BLE Comparison

Fluvial Example: Navasota River



Task 2B Hazard Recommendation

Approach Summary (Option 2)

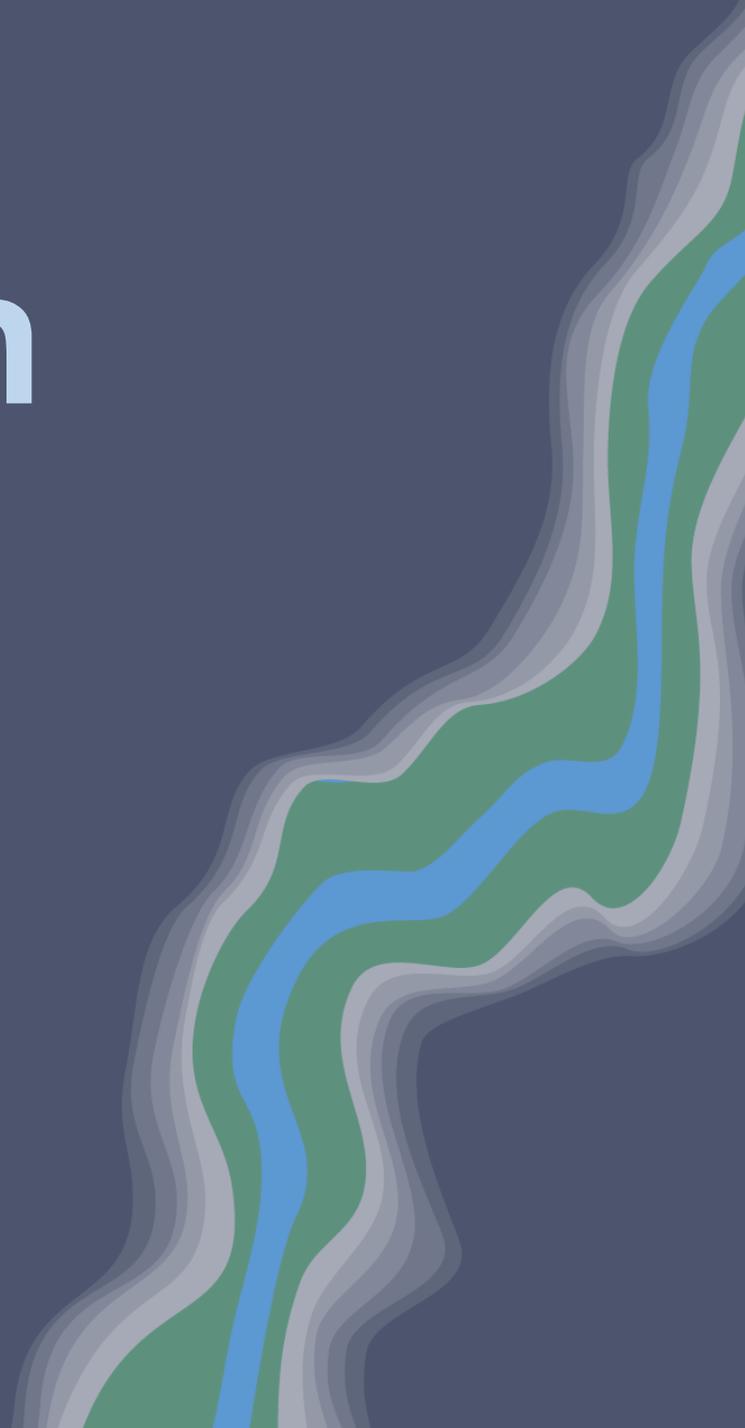
- Compute regional-scale 2D models (BLE and GLO) with updated precipitation and land cover data
- Apply vertical buffer technique to 1D BLE results, using fathom (scenario 3) as supporting data
- Supplement 1D BLE areas with pluvial fathom data (Scenario 4)

Future Fathom Scenarios

Scenario	Adjustment			
	Land Use	Subsidence	Rainfall	Sea Level Rise
1	Considered	Considered	Low	Low
2	Considered	Considered	Moderate	Moderate
3	Considered	Considered	Significant	Significant
4	Existing	Existing	Moderate	Moderate

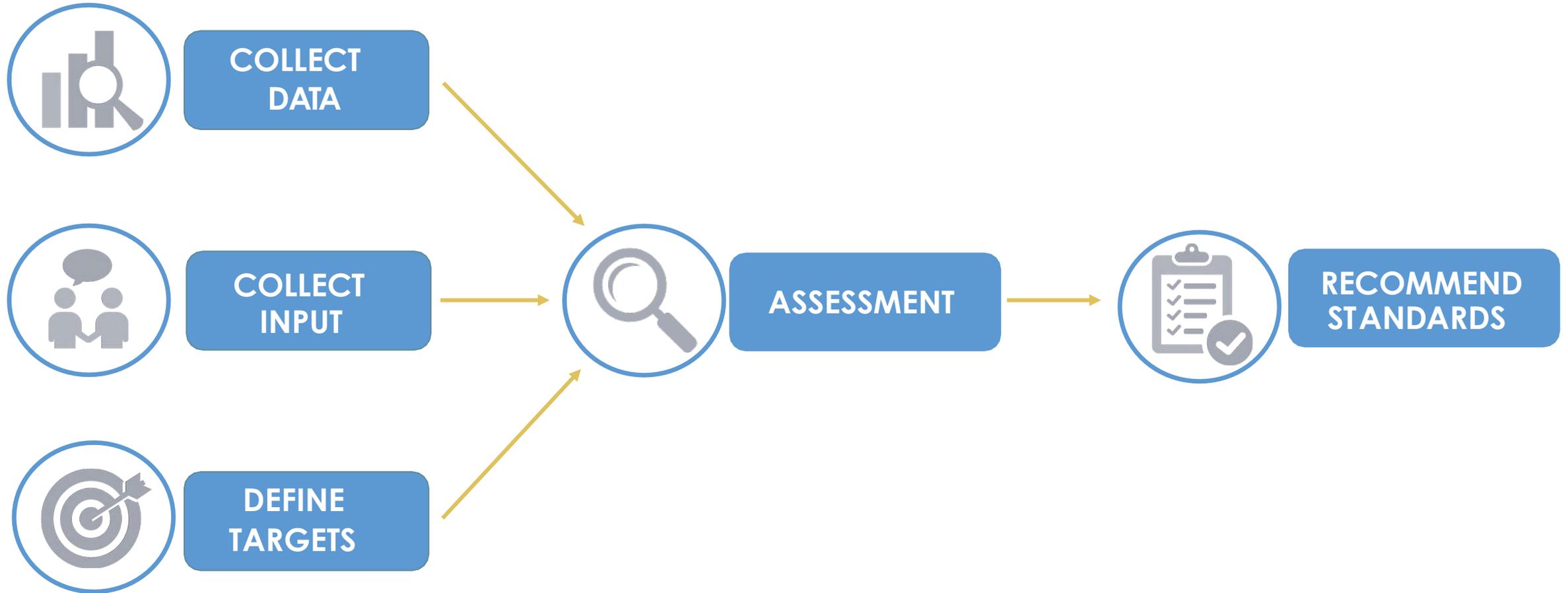
Task 3A- Floodplain Management Practices

Evan Adrian, PE, CFM, ENV SP (Torres)



Introduction to 3A

Task 3A – Floodplain Management Practices



Task 3A – Floodplain Management Practices

- Evaluate information from existing databases and stakeholder discovery process
- Develop generalizations
 - Floodplain management practices
 - Flood risk
 - Flood impact

Entity	Overall Population of Entity	Floodplain Management Regulations	Adopted Minimum Regulations	NFIP Participant	CRS Participation	Higher Standards Adopted	Floodplain Management Practices	Level of Enforcement of Practices	Existing Stormwater or Drainage Fee
County 1	200,000	Yes	Yes	Yes	No	Yes	Moderate	Moderate	Yes
City 1	20,000	No	No	No	No	No	Low	Low	No
Special Purpose District	10,000	Unknown	No	No	No	No	None	None	No

Task 3A – Floodplain Management Practices

THE GOOD NEWS

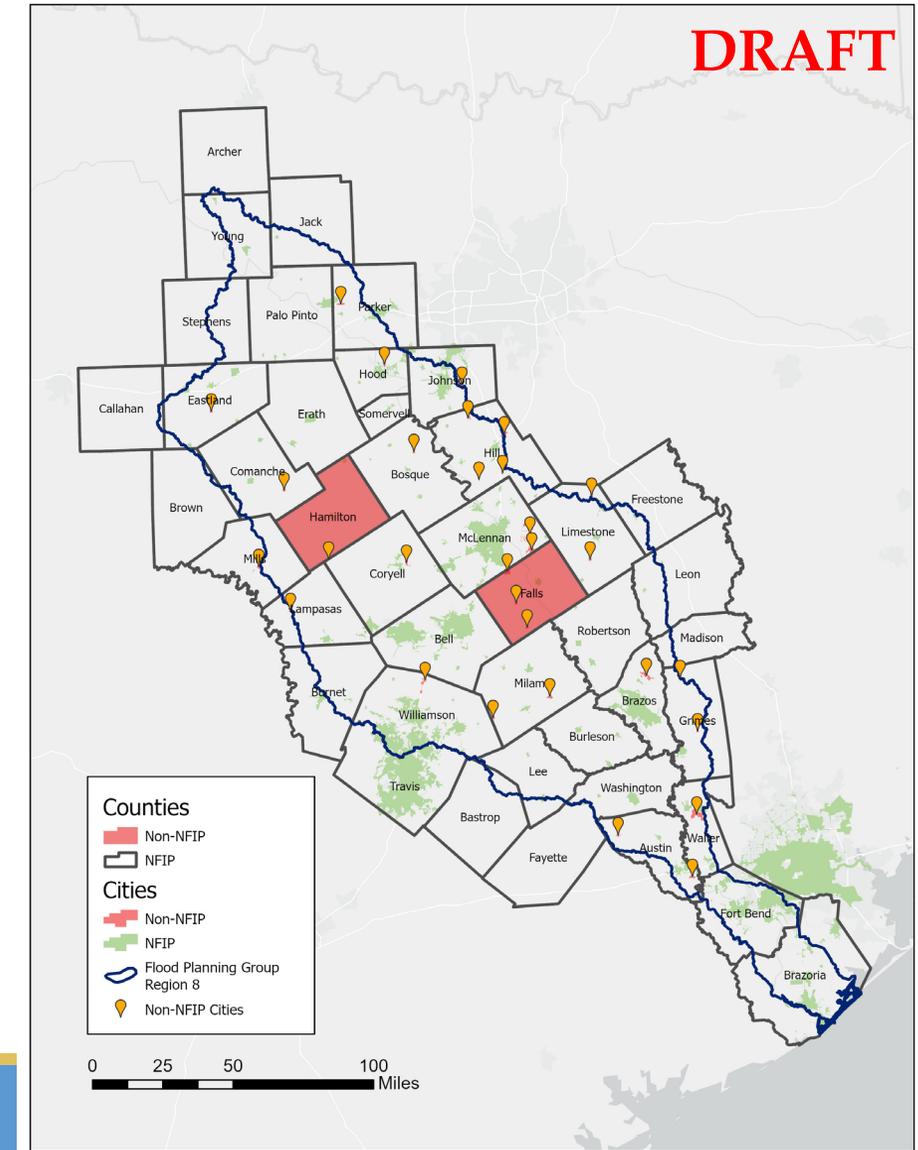
- Almost all communities regulate within floodplain
- Good benefit for citizens, including cost savings
- Most communities are regulating to the minimum standards

95%

% of Counties
Participating
in NFIP*

84%

% of Municipalities
Participating
in NFIP*



Task 3A – Floodplain Management Practices

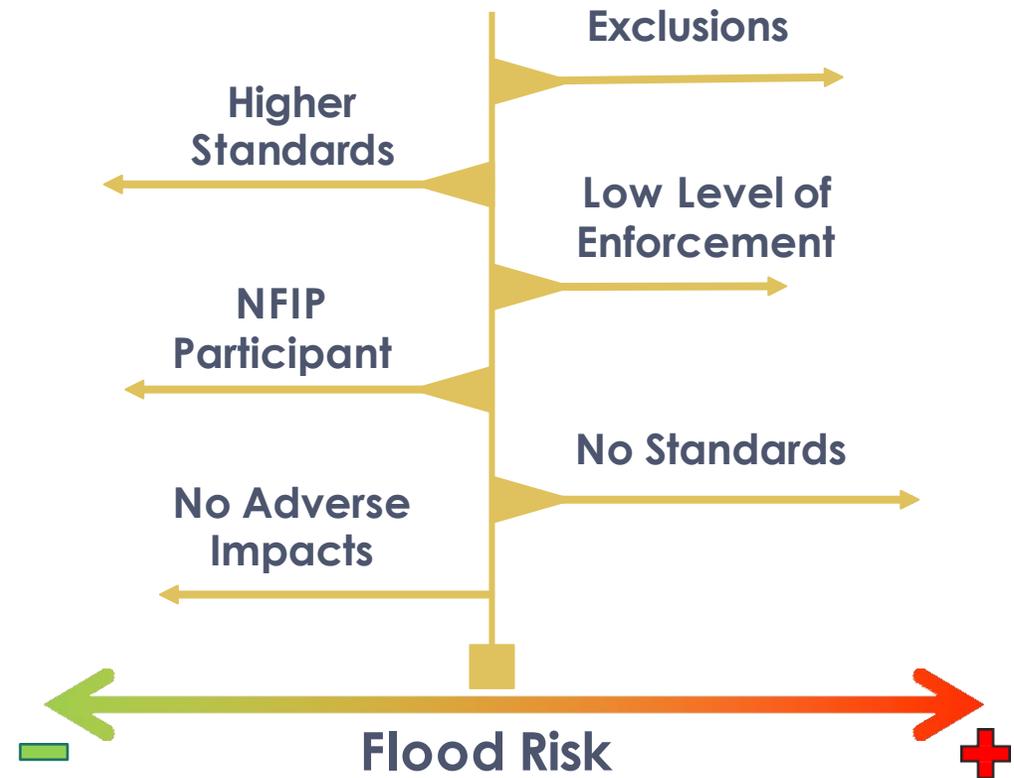
Identification of Gaps & Issues

Identify Gaps

- Standards/policies
- Quantify risk reduction (life & property)
- Restore failing infrastructure
- Flood warning and response
- Floodplain protection
- How does flood risk change over time? (associated with Task 2B results)

Identify Issues

- Local floodplain
- Valley storage
- Cumulative impacts of developments
- Natural area protection
- Flood duration



Process for Developing Floodplain Management Standards

Step 1



Collect Survey Responses



Summarize Common Themes in Standards

Step 2



Bring Standards To RFPG For Discussion

Step 3



RFPG Decides on Region-Wide Standards

Standards: Recommend or Adopt?

Recommend means all FMEs, FMSs and FMPs can be considered. (2023 RFP)

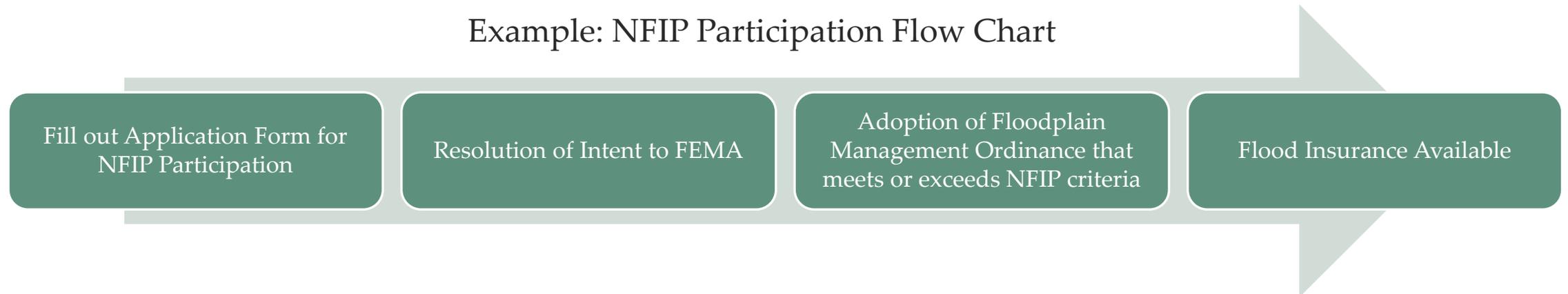
Adopt means that if RFPG establishes a standard, then the jurisdiction must meet that standard BEFORE the FME, FMS or FMP can be considered for inclusion in the plan.

Task 3A – Floodplain Management Practices

PROCESS TO ACHIEVE MINIMUM STANDARDS

- Potential to Adopt Select Standards
- Develop/Disperse Guidance for Entities to Achieve Minimum Standards
- Reach out to Entities to Sponsor FME/FMS that aim to Achieve Minimum Standards (Task 4A)

Example: NFIP Participation Flow Chart



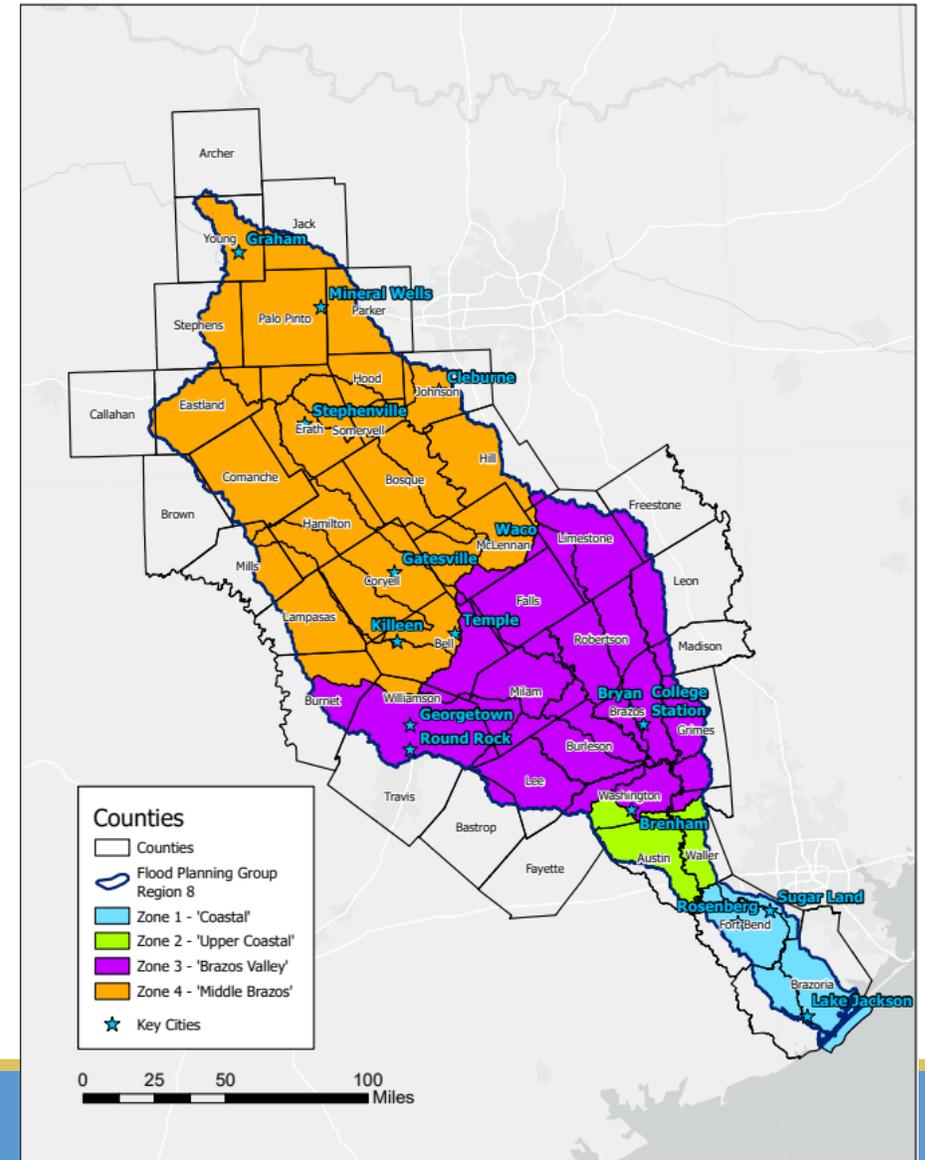
Recap of Task 3A (2023 RFP)

Recommended Standards (2023 RFP)

Region-Wide Recommendations

Zone Specific Recommendations

- Zone 1 "Coastal"
- Zone 2 "Upper Coastal"
- Zone 3 "Brazos Valley"
- Zone 4 "Middle Brazos"



Recommended Standards (2023 RFP)

Recommended Standard	Region Wide	Zone 1 "Coastal"	Zone 2 "Upper Coastal"	Zone 3 "Brazos Valley"	Zone 4 "Middle Brazos"
National Flood Insurance Program (NFIP) Participation	X				
Compensatory Storage Requirement in 1% Floodplain	X				
No Adverse Impacts for the 1% Storm Event	X				
Improved Flood Response	X				
Improved Flood Risk Awareness/Education	X				

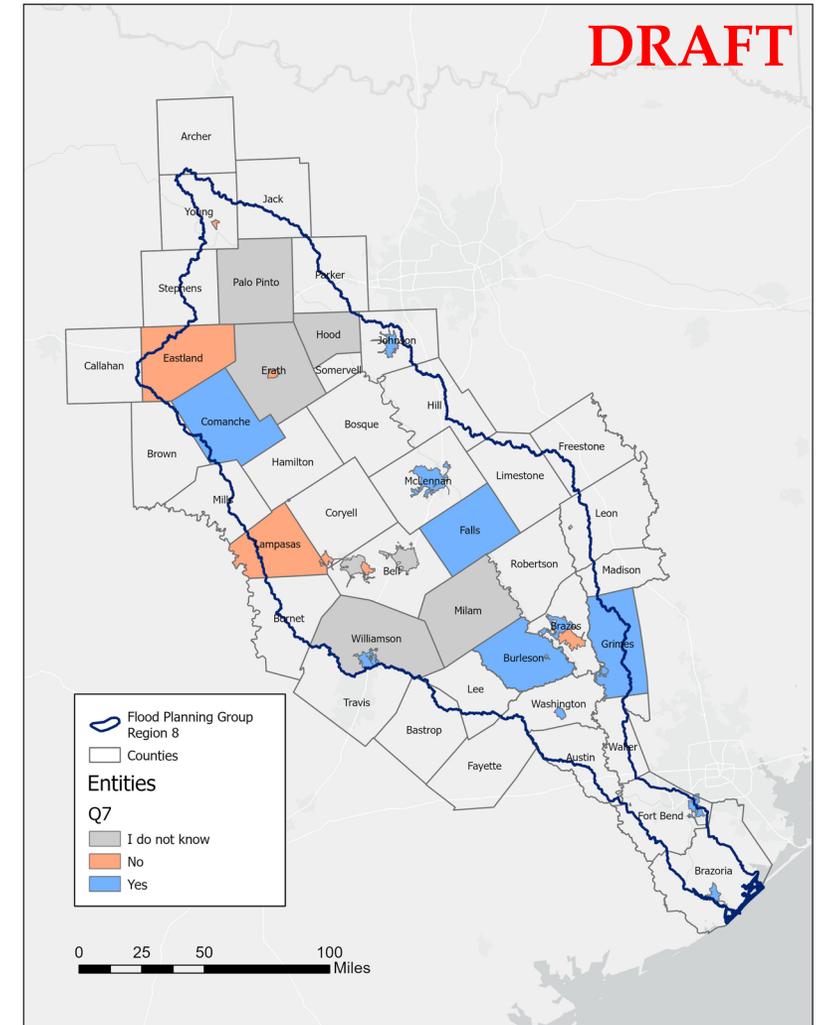
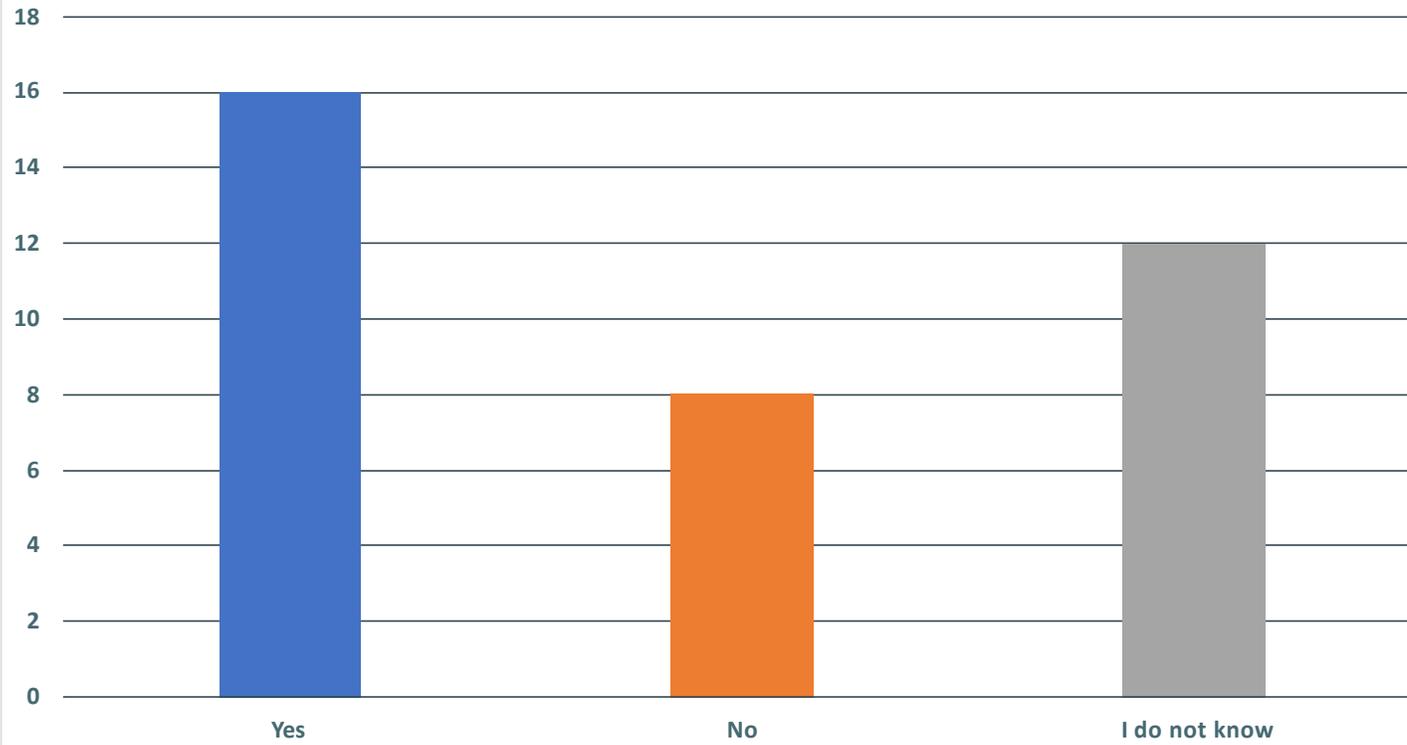
Recommended Standards (2023 RFP)

Recommended Standard	Region Wide	Zone 1 "Coastal"	Zone 2 "Upper Coastal"	Zone 3 "Brazos Valley"	Zone 4 "Middle Brazos"
Use of Best Available Rainfall Data		X	X	X	
No Adverse Impacts for the 1% and 10% Storm Event		X	X	X	
Formation of a Voluntary Buyout Program		X			
Long-term Operation and Maintenance Planning of Drainage Infrastructure		X			
Drainage Corridor Preservation			X	X	
Compensatory Storage Requirement in 0.2% Floodplain				X	X
Requirements for Culvert and Bridge Crossings				X	X
Roadway Requirements within the Floodplain				X	X
Culvert and Bridge Hydrologic and Hydraulic Analysis Requirement				X	X

Preliminary Community Questionnaire Results

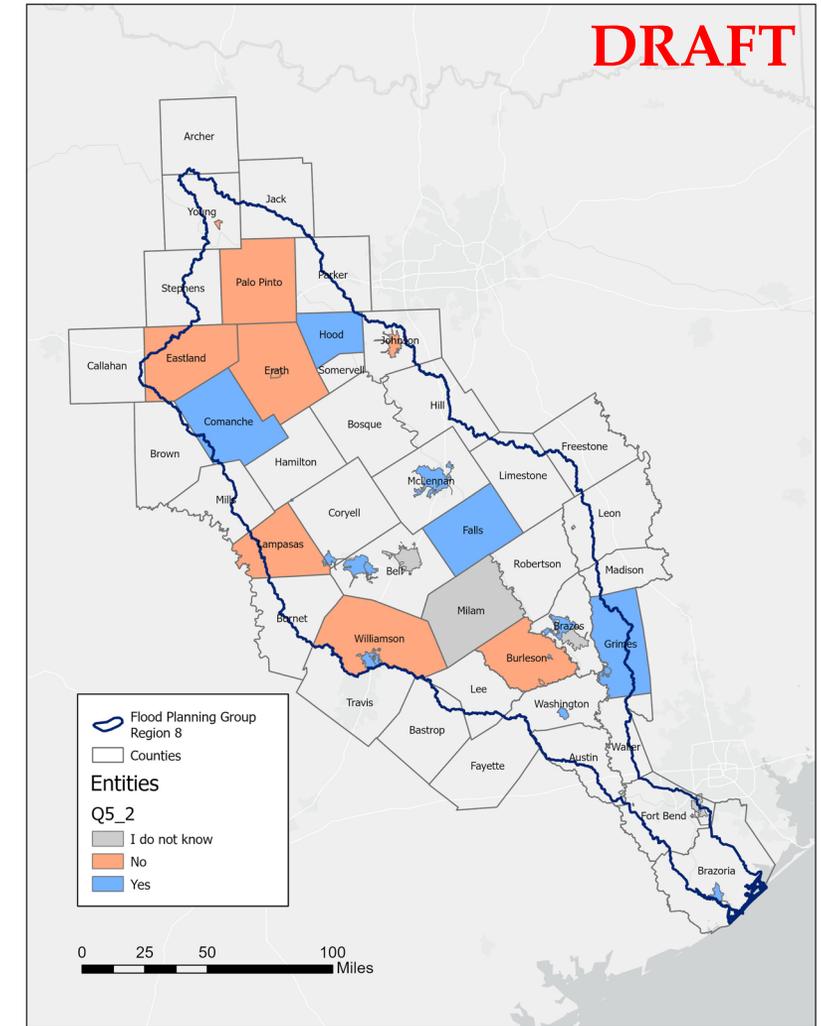
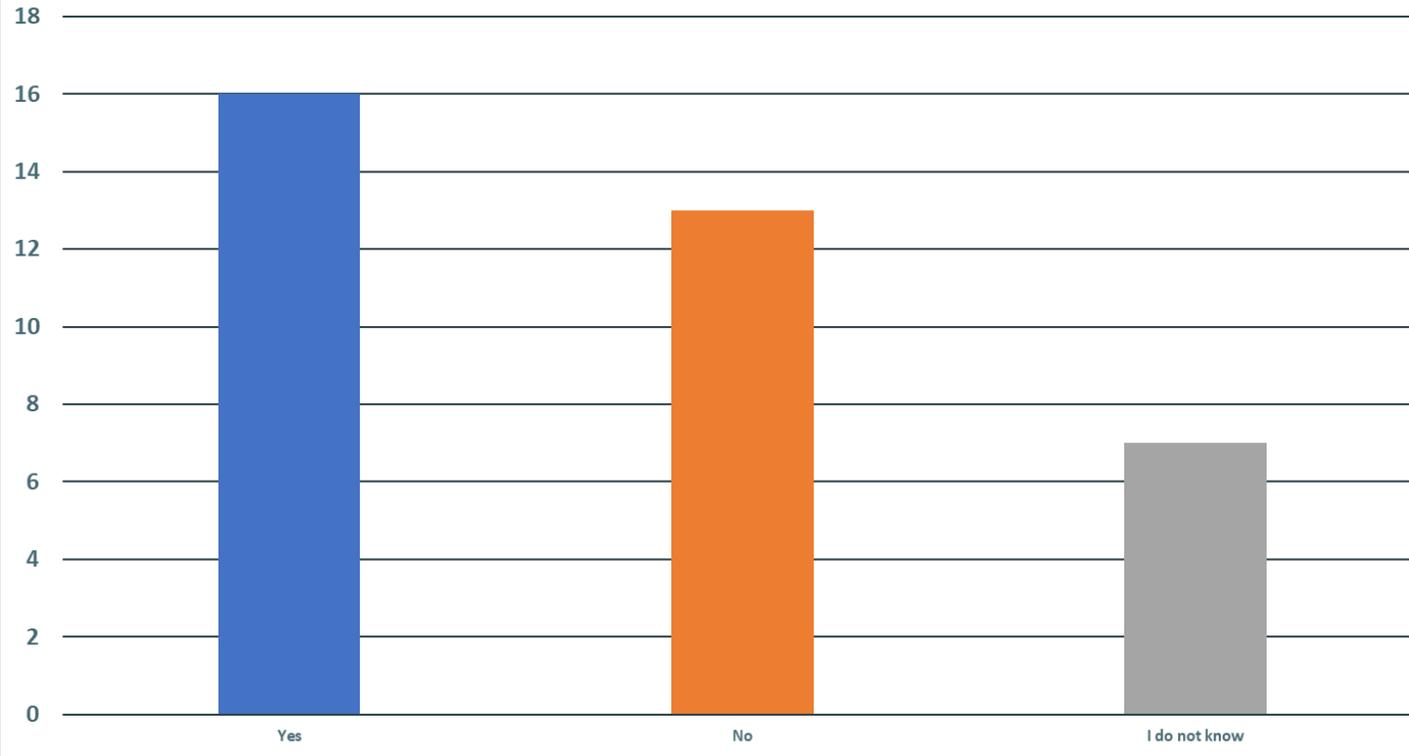
Community Questionnaire - 3A Results

During the first cycle of Regional Flood Planning, the RFPG developed Recommended Minimum Floodplain Management Standards for the entire region. Do you agree with the Recommended Minimum Floodplain Management Standards shown in the Table?



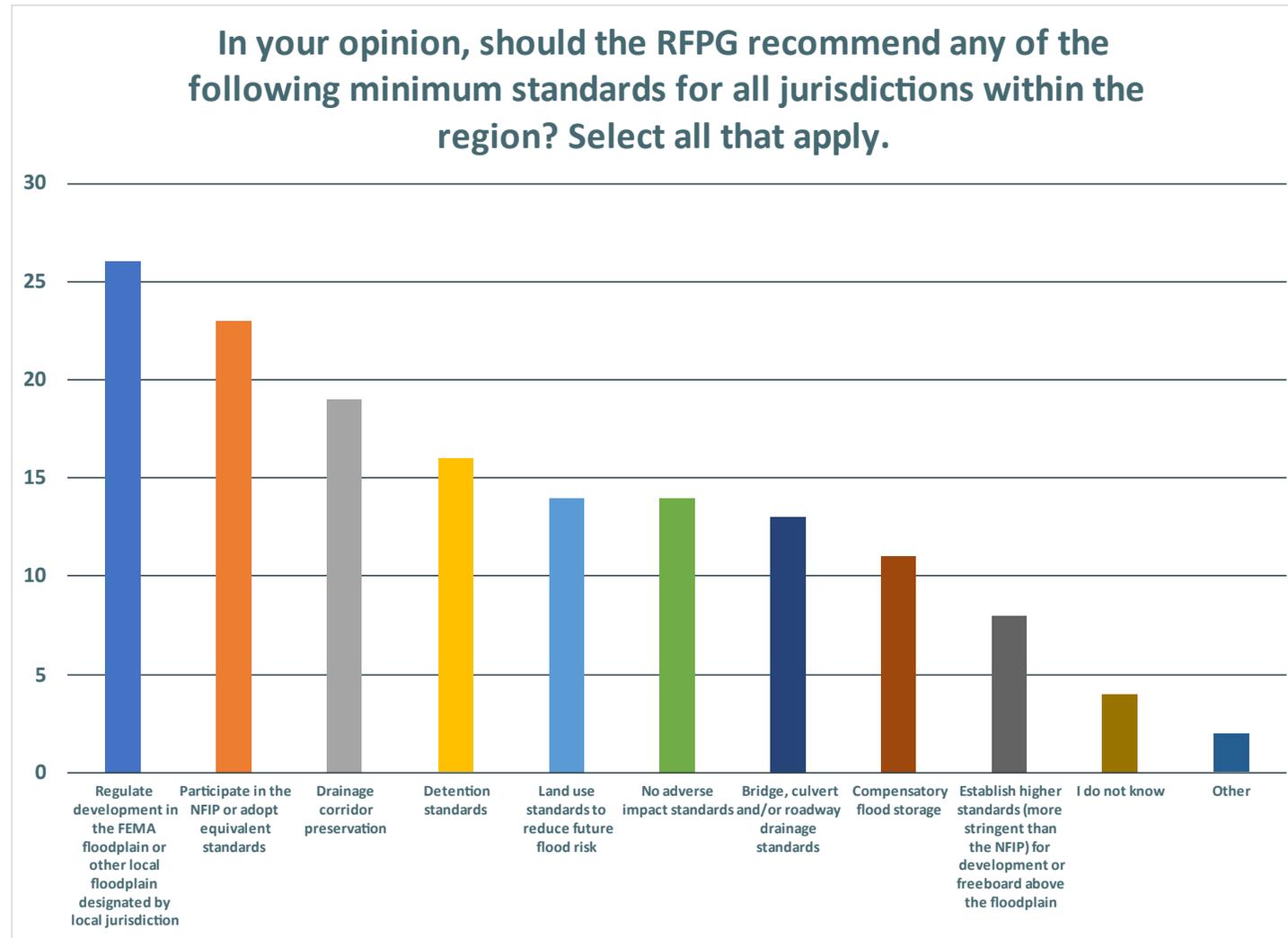
Community Questionnaire - 3A Results

In your opinion, should the RFPG adopt/require consistent minimum standards across the entire region? Such a requirement would only allow the RFPG to consider including flood mitigation solutions for those entities who currently meet the adopted/required



Community Questionnaire - 3A Results

DRAFT



Task 3A – Summary and Next Steps

Summary/Discussion Items

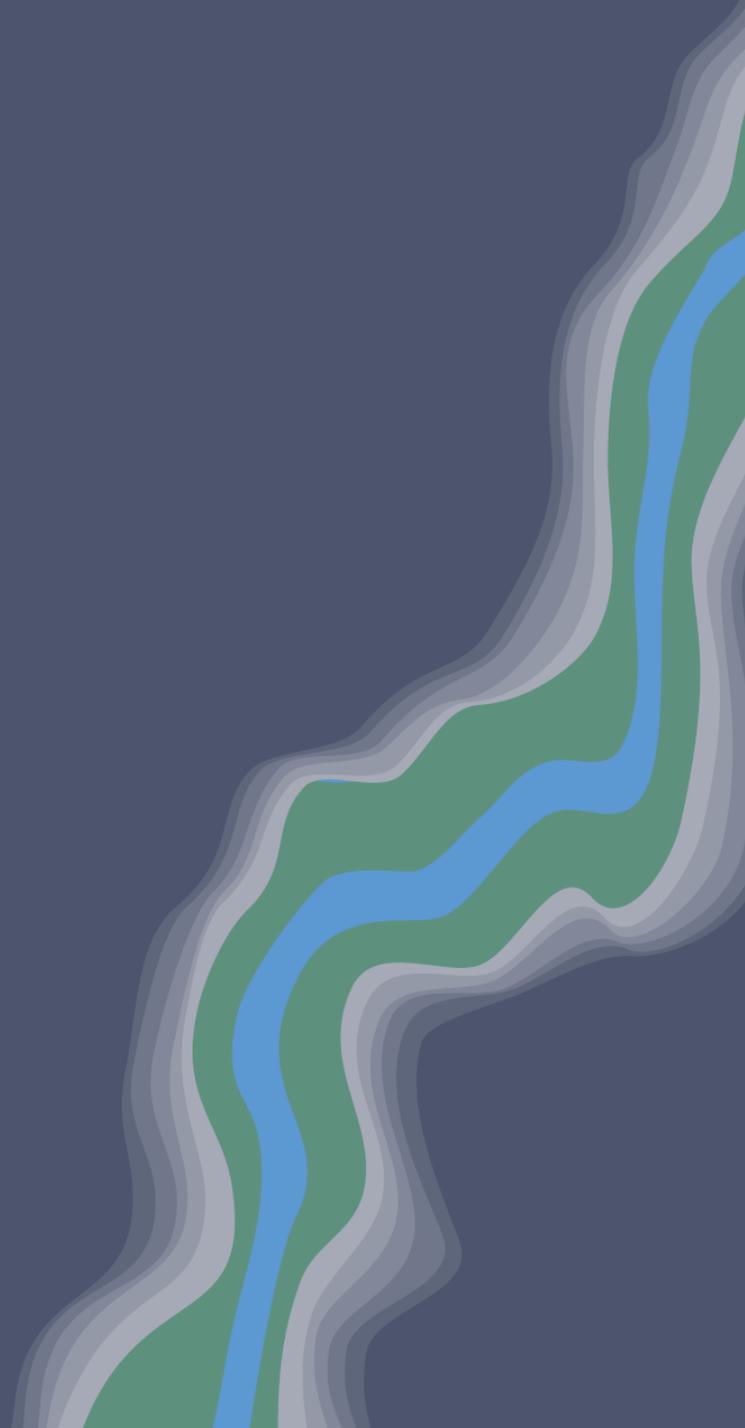
- Potential to “Adopt” Select Standards
- Opportunity to Utilize Task 4A to help Entities Achieve Minimum Standards
- Majority of Survey Responses support Recommended Standards in 2023 RFP

Next Steps

- Revisit Standards for Recommendation
- If choosing to “Adopt” Standards, supporting information will be developed with recommendations for which Standards to “Adopt”

Task 4A Overview

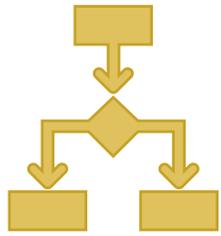
Ryan Londeen, PE, CFM (Halff)



Task Overview

Goal

Identify and evaluate potential Flood Management Evaluations (FMEs), and potentially feasible Flood Mitigation Strategies (FMSs) and Flood Mitigation Projects (FMPs).



Feeds into several subsequent tasks

- Task 4C: Performance of FMEs
- Task 5A: Recommendation of FMXs
- Task 5B: TWDB Performance of FMEs



Started Task with Amendment

- Collected many FMEs and FMSs during amendment
- Expecting lower volume of new items primarily consisting of FMPs

Current Actions

REGION Lower Brazos Regional Flood Planning Group
Flood Mitigation Needs – Submittal Request Form

Instructions to Entities:
Please complete the following information about your entity's flood mitigation needs to be incorporated into the 2025 Region 8-Lower Brazos Regional Flood Plan. Note a separate form needs to be submitted for each proposed Flood Mitigation Project (FMP), Flood Management Evaluation (FME), and Flood Mitigation Strategy (FMS); reference the figure at the bottom of this form about the classification of an FMP, FME and FMS.

Date of Request: _____

Sponsor Entity

Name of Organization:	
Primary Contact Name:	Position:
Phone Number (cell or work):	Email Address:

Initial Classification of Flood Mitigation Need (check one)
 Flood Mitigation Project (FMP) Flood Management Evaluation (FME) Flood Mitigation Strategy (FMS)

Information About Flood Mitigation Need

Title of FMP/FME/FMS:	Estimated Cost:
City and/or County Location:	
Detailed Description:	

Description of Location: (i.e. bridge improvements at the crossing of XX Creek and XX Road) [Click Here to Upload Shapefile or Mark-up of Google Map](#)

Additional Information Needed Only for Flood Mitigation Projects (FMP)

No Negative Impact Analysis Performed? (check one): Yes No

Supporting Hydrologic and Hydraulic Modeling/Analyses Available? (check one):
 Yes [\(Click Here to Upload Data\)](#) No

FME	FMS	FMP
FMEs are flood studies and evaluations performed to characterize flood risk, identify potential risk solutions and develop projects into FMPs. Potential FMEs include: Project Design (up to 30%) Project Feasibility Study Watershed Planning Study Flood Risk Analysis	FMSs are big picture strategies. This category can serve as a "catch-all" for flood management and mitigation efforts that do not align with either FMPs or FMEs. Potential FMSs include: Property Acquisition or Elevation Drainage Criteria Development Flood Warning Systems Outreach and Educational Programs	FMPs are fully developed, constructable, flood mitigation projects. Potential FMPs include: Channel Improvements Road Crossing Improvements Detention Projects Gauge Installation Projects

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Collecting FMXs

- Accepting FMX submittals through Sept 26th
- Soliciting submissions with standardized form for clarity
- Utilizing data upload link to accept supporting models, reports, and other data

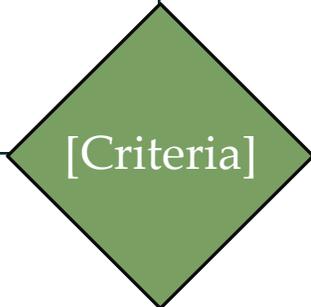
Developing Screening Matrix

- Classify new FMXs
- Determine if any FMXs are infeasible
- Determine if any FMXs on existing list should be removed
- *Upcoming RFPG discussion & decision in June meeting*

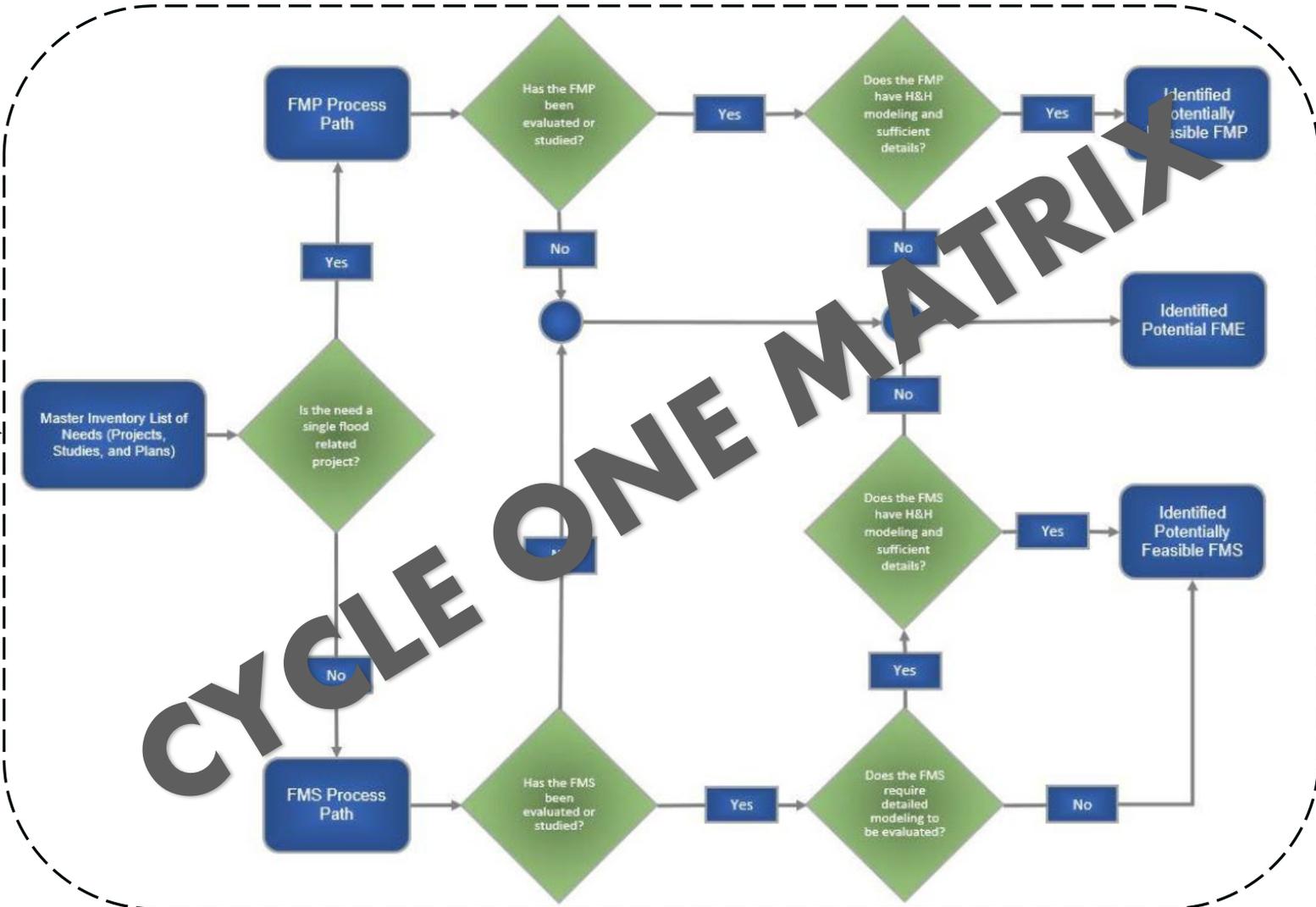
Screening Matrix – Preliminary Look



Public Data / Community Submittal



Do Not Include FMX



CYCLE ONE MATRIX



QUESTIONS AND COMMENTS

For more information or to contact the RFPG visit:
lowerbrazosflood.org

LOOKING AHEAD

JUNE 2025

- Task 3C – Region Goals
- Task 4A – FMX Processing Matrix

JULY 2025

- Task 1: Draft Planning Area Description Chapter Review
- Task 2A: Draft Existing Flood Quilt Review
- Task 3A: Floodplain Management Practices Update
- Task 3B: Flood Mitigation Needs Analysis Introduction



7. Report from:

7.1. Texas Water Development Board (TWDB) staff

7.2. Regional Planning Sponsor

7.3. Lower Brazos RFPG Chair



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

- Executive Committee will hold a meeting on June 12, 2025, at 10:00 AM
- 3rd Thursday of the month for regular RFBPG meeting – June 19, 2025, at 10:00 AM

REGION



Lower Brazos
Regional Flood Planning Group

9. Adjourn