



Your Trusted
Water Resource

Region 11: Guadalupe

Regional Flood Planning Executive Meeting

Wednesday, November 12, 2025

Call to Order

- Attendance
- Individuals attending in-person, please sign-in

Agenda Item 1

Welcome

Agenda Item 2

Approval of Meeting Minutes

- Approval of minutes from the September 10, 2025 Region 11 RFPG meeting

Agenda Item 3

Meeting Minutes

Region 11 Guadalupe Regional Flood Planning Group Meeting

Comfort Public Library - Community Room at 5:00 PM

Comfort Public Library Community Room (701 High Street, Comfort, Texas 78013)

Roll Call:

<u>Voting Member</u>	<u>Interest Category</u>	<u>Present (x) /Absent () / Alternate Present (*)</u>
Don Durden	<i>Agricultural</i>	X
John Johnston Billy Jordan*	<i>Counties – Chair</i>	X
Doug Leacock	<i>Counties</i>	X
VACANT	<i>Electric Generating Utilities</i>	
Annalisa Peace Bill Barker*	<i>Environmental</i>	X
Doug Sethness	<i>Flood districts</i>	
VACANT	<i>Industries</i>	
VACANT	<i>Municipalities</i>	
Ken Gill	<i>Municipalities</i>	
VACANT	<i>Public</i>	
R. Brian Perkins Charlie Hickman*	<i>River Authorities</i>	X
Tara Bushnoe Shelby Taber*	<i>River Authorities</i>	X
VACANT	<i>Small Business</i>	
Charlie Flatten	<i>Water Districts</i>	
Steven Fonville	<i>Water Utilities</i>	

<u>Non-voting Member</u>	<u>Agency</u>	<u>Present(x)/Absent()/ Alternate Present (*)</u>
Sue Reilly Beth Bendik*	Texas Parks and Wildlife Department	X
Fernando Perez Regan Middleton*	Texas Division of Emergency Management	X
Jami McCool Kristin Lambrecht*	Texas Department of Agriculture	X
Allen Nash	Texas State Soil and Water Conservation Board	
Kris Robles Teresa Williams*	General Land Office	
Cynthia Nolasco	Texas Water Development Board (TWDB)	X
Joel Klumpp	Texas Commission on Environmental Quality	
VACANT	Public	
Juan Sandoval	Region 12 Liaison	
Patrick Brzozowski Scott Hartl*	Region 10 Liaison	

Quorum:

Quorum: Yes

Number of voting members or alternates representing voting members present: 6
Number required for quorum per current voting positions of 10: 6

Other Meeting Attendees:

Mary Newman, GBRA (Admin)
Ram Mendoza, GBRA (IT)
Alicia Reinmund-Martinez (ICF)
Janis Childers (ICF)
Jay Scanlon (Freese & Nichols)
Adam Conner (Freese and Nichols)

See sign-in sheets attached for additional attendees.

All meeting materials are available for the public at: <http://www.guadalupeRFPG.org>

AGENDA ITEM NO. 1: Call to Order

Chairman Johnston called the meeting to order at 5:03 PM. Mary Newman called roll of the planning group members to record attendance, and a quorum was established.

AGENDA ITEM NO. 2: Welcome

Chairman Johnson welcomed members and guests to the meeting.

AGENDA ITEM NO. 3: Approval of minutes from the May 6, 2025, Region 11 RFPG Meeting.

Chairman Johnson opened discussion on approving the minutes from the May 6, 2025, Region 11 RFPG Meeting.

A motion was made by Brian Perkins to approve the May 6, 2025, Region 11 RFPG Meeting minutes. Doug Leacock seconded the motion. The meeting minutes were approved by consensus.

AGENDA ITEM NO. 4: Approval of minutes from the June 24, 2025, Region 11 RFPG Meeting

Chairman Johnson opened discussion on approving the minutes from the June 24, 2025, Region 11 RFPG Meeting.

A motion was made by Bill Barker to approve the June 24, 2025, Region 11 RFPG Meeting minutes. Brian Perkins seconded the motion. The meeting minutes were approved by consensus.

AGENDA ITEM NO. 5: Region 11 Guadalupe REPG Chair Updates

No updates were given by the Chair. However, since the meeting was being held in Comfort, Texas and there were new attendees; Chairman Johnson briefly explained the basis/charge/makeup of the Regional Flood Planning Group including abbreviations/ acronyms for flood mitigation strategies, evaluations and projects that may be heard throughout the course of this meeting. This group is charged to develop recommendations on strategies, projects and evaluations of areas identified as problems within Region 11, develop a plan, and turn it into the Texas Water Development Board (TWDB). The TWDB will then incorporate all region plans, review and prioritize projects and make funding available to local

communities. Generally, each community must commit to a cost-share for the projects, should they decide to participate in the fundings which could include low-interest loans or grants.

AGENDA ITEM NO. 6: Texas Water Development Board (TWDB) Updates

Chairman Johnson introduced Rhem Zoom, PE, CFM, Assistant Deputy Executive Administrator of the Office of Planning with TWDB. The following items were reviewed by Ms. Zoom.

1. Informed the group that TWDB is not a “regulatory” institution and they only make the recommendations to the legislature.
2. TWDB is hosting a Technical Conference Call on 09.12.2025 to share updates and receive questions from all 15 regions during the call.
3. Reviewed minor updates made to Exhibit “C” of the Technical Guidelines are available on the Second Cycle planning documents webpage.
4. Clarified there will be no third amendment to the 2023 Regional Flood Plan as the State Flood Plan aligns with the 2028-2029 Flood Infrastructure Fund (FIF) cycle.
5. Freese and Nichols will present to the RFPGs on the new Nature Based Solutions Manual – tentatively coming in the new year.
6. Encouraged all communities to review the 2024 State Flood Plan of select minimum FEMA NFIP standards required for all Texas counties and cities; and to start working on developing/adopting recommendations to meet higher standards within their own areas.

AGENDA ITEM NO. 7 Inter-regional updates on Region 10 & Region 12

No reports were given.

AGENDA ITEM NO. 8: Discussion and potential action regarding the voting and non-voting positions. These include:

- a. **Municipalities (1 of 2)**
- b. **Public – Voting (1 of 1)**
- c. **Public – Non-Voting (1 of 1)**
- d. **Small Business (1 of 1)**

Chairman Johnson called on Doug Leacock to report on the recommendations of the Ad Hoc Committee to be presented for the voting members consideration. Ad Hoc Chair, Doug Leacock, thanked all who applied and reported that we received some very impressive nominations, and all would make great members. Doug Leacock presented the following slate of recommended nominations:

- a. Municipalities – Joe E. Ramos, Jr.
- b. Public – Voting – Kimberly Meitzen, PhD
- c. Public – Non Voting - Leah Cuddeback
- d. Small Business – Matthew E. Hoyt

John Johnston requested a roll call accepting the slate of nominees as presented by the Ad Hoc committee representing the interest categories of Municipalities, Public with one voting and one non-voting member,

and Small Business interest. The vote passed by six (6) Ayes, zero (0) Nays. New Committee members were invited up to participate in the rest of the agenda items.

AGENDA ITEM NO. 9: Discussion and potential action regarding the vacant voting positions. These include:

- a. Industries**
- b. Electric Generating Utilities**

Chair Johnston reported that no nominations were received for the Industries and Electric Generating Utilities categories. Chairman Johnston made a motion that those positions be posted as vacant once again, seconded by Brian Perkins the motion carried.

Chairman Johnston asked Doug Leacock to continue the same Ad Hoc Committee for the recommendations of all new nomination forms received for these two vacancies.

AGENDA ITEM NO. 10: Consider nominating and potential action regarding election for the vacant RFPG Officer position for 2025 (Vice Chair).

Chairman Johnson reminded all that since our past Vice Chair's resignation was accepted at the last meeting, we needed to fill the vacancy for the Vice Chair of the Executive Committee.

On a motion made by Tara Bushnoe and seconded by Don Durden to elect Kimberly Meitzen, PhD as Vice Chair for the 2025 slate of officers for the RFPG. The motion carried.

AGENDA ITEM NO. 11: Guadalupe Region 11 RFPG Sponsor Guadalupe-Blanco River Authority (GBRA) Updates.

Brian Perkins reported there were no updates regarding the administration of the plan.

AGENDA ITEM NO. 12 Discussion and potential action regarding administrative expenses to be submitted to the Texas Water Development Board for reimbursement.

Brian Perkins presented the administrative expenses to be presented to TWDB for reimbursement between GBRA and the technical consultant totaling \$4,335.42 for April 1, 2025, through August 31, 2025. On a motion made by Tara Bushnoe and seconded by Doug Leacock to approve the submittal of administrative expenses of GBRA for TWDB reimbursement. The motion carried.

AGENDA ITEM NO. 13: Discussion and updates regarding Region 11 RFPG Technical Consultants work and schedule

Jay Scanlon reported the next big update will be the January technical memo to the TWDB confirming our progress.

Consultants are coordinating with Regions 10 & 12 on the outreach to communities and sharing data as appropriate to help minimize repeat agency contacts throughout the three regions.

Jay reviewed the type of information that will be provided to the board on the Technical Memorandum coming due January 7, 2026. One item to be discussed in November will be Task 3C of the Flood Mitigation and Management goals. At the last meeting the group was tasked with reviewing and providing feedback on these goals. Freese and Nichols will compile the responses received and bring to the next meeting for review and discussion. Public comments received through the website were addressed along with a brief review of upcoming Milestones and Goals .

AGENDA ITEM 14 Consider date and agenda items for next meeting:

a. Tuesday, November 11, 2025

Brian Perkins reported that our next scheduled meeting falls on a Federal Holiday and recommended changing the date to the following Wednesday, November 12th to be held in Seguin at the GBRA River Annex beginning at 2:00 PM. After a brief discussion it was the consensus of the group to move the meeting date to Wednesday, November 12th. Brian reported dates will be changed on the RFPG website and new calendar invites will be sent adding newly elected members.

AGENDA ITEM No. 15: Public general comments on Regular Business:

Ben Eldridge, resident from Kendall County commended the group on their recommendations on setting higher building standards based on the recent activity. Mr. Eldridge stated he feels like, this is a smarter approach in keeping people alive during weather events and having residences above the 500-year flood plain might certainly help that. No further comments were made by the public.

Chairman Johnston then recessed the meeting at 5:49 PM before heading into the Public general comments section to begin promptly at 6:00 PM

The meeting was called back in session at 6:01 PM by Chairman Johnston.

AGENDA ITEM 16: Public Pre-Planning Meeting

- a. Public Comments as to planning process provisions, projects, and strategies that should be considered in development of regional flood plan.**

Chairman Johnston opened the floor for comments.

Five speakers addressed the committee with their concerns and past flooding experiences. All comments have been documented, will be included in the 2028 RFP public comment tracking matrices, and will be considered by the Regional Flood Planning Group (RFPG) and its technical consultant for potential inclusion in the final plan.

AGENDA ITEM 17: Adjourn

Leah Cuddleback made a motion to adjourn the meeting. The motion was seconded by Kimberly Meitzen, PhD. The motion was approved by consensus at 6:40 PM.

Approved by the Region 11 Guadalupe RFPG at a meeting held on November 13, 2025.

Brian Perkins, SECRETARY

John Johnston, CHAIR

Region 11 Guadalupe RFPG Chair Updates

Agenda Item 4

Texas Water Development Board (TWDB) Updates

Agenda Item 5

Inter-regional updates on Region 10 and Region 12

Agenda Item 6

Discussion and potential action regarding the voting positions

- Industries
- Electric Generating Utilities

Agenda Item 7

Agenda Item 8

Consider nominating and potential action regarding election for the vacant RFPG Officer position for 2025 (At-Large)

Guadalupe Region 11 RFPG Sponsor Guadalupe-Blanco River Authority (GBRA) Updates

Agenda Item 9

Agenda Item 10

Discussion and potential action regarding Region 11 RFPG Technical Consultants work and schedule

- 2028 Regional Flood Plan Goals
- Draft Technical Memorandum
- Process for Approval of FMEs to be Performed



GUADALUPE
REGIONAL FLOOD PLANNING GROUP

2028 Regional Flood Plan Interim Technical Memorandum

Region 11 - Guadalupe

January 2026

2028 Regional Flood Plan

Interim Technical Memorandum

Prepared for:

Regional 11 – Guadalupe Regional Flood Planning Group

Prepared by:

Freese and Nichols, Inc.

DRAFT

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW UNDER THE AUTHORITY OF JEROME W. SCANLON III, P.E, TEXAS NO. 82077 ON November 4, 2025. IT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

FREESE AND NICHOLS, INC.
TEXAS REGISTERED FIRM F-2144

Comment Sheet

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Purpose

This Technical Memorandum has been prepared by Freese and Nichols, Inc. on behalf of the Guadalupe Regional Flood Planning Group. It is intended to satisfy the requirements of Task 4B of the Scope of Work and the relevant provisions of Title 31 of the Texas Administrative Code (TAC) Chapters 361 and 362, which serve as the statute and rules governing regional flood planning. This memorandum has been developed consistent with the Technical Guidelines for Regional Flood Planning and additional guidance provided by the Texas Water Development Board (TWDB).

The contents of this Technical Memorandum, subject to non-substantive changes, was approved by the Guadalupe Regional Flood Planning Group (RFPG) during the November 12, 2025 RFPG meeting subject to notice requirements in accordance with 31 TAC Chapter 361.21(h).

Background

The 2019 Texas Legislature passed legislation to create Texas' regional and state flood planning process and to provide funding for investments in flood science and mapping efforts to support plan development. The legislature created a state flood planning framework and charged the TWDB with creating flood planning regions based on river basins and administering the required, ongoing work of flood planning. The Region 11 Guadalupe Regional Flood Planning Group (RFPG) was established by the TWDB on October 1, 2020. The flood planning region (FPR) is shown in **Figure 1**.

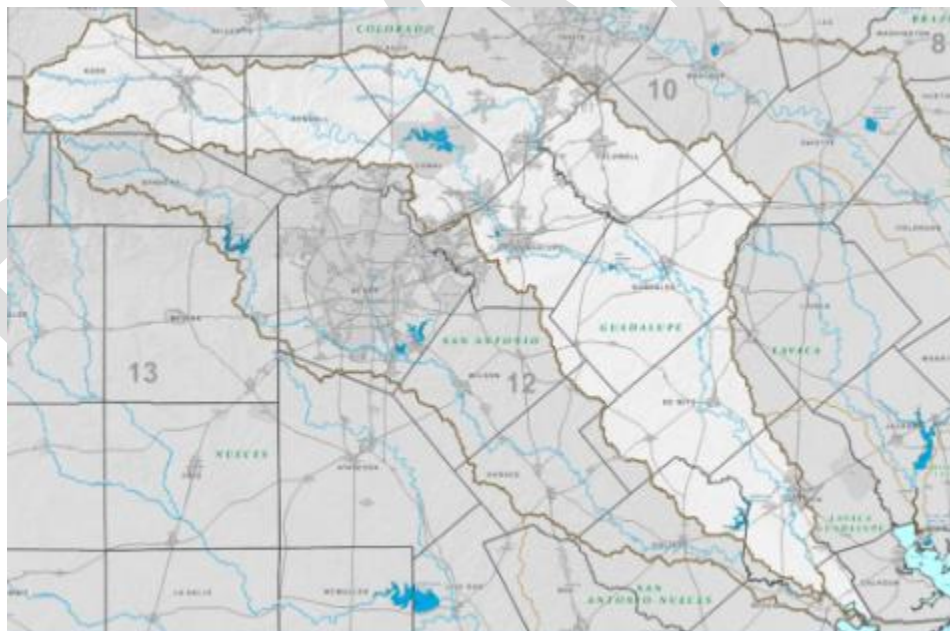


Figure 1: Guadalupe Regional Flood Planning Area

During the first cycle of the regional flood planning process, the 2023 Guadalupe RFP was delivered to TWDB on January 10, 2023, and Amendment Number 1 was submitted on July 14, 2023. The TWDB compiled that amended plan with the other fourteen 2023 Regional Flood Plans to generate the 2024

State Flood Plan. One of the early tasks in the 2028 regional flood planning cycle was the submittal of the 2023 RFP Amendment Number 2. That amendment was submitted to the TWDB on April 1, 2025.

This interim Technical Memorandum is intended to demonstrate progress towards compiling the necessary technical information and analyses needed to develop the RFP and meet contract requirements. Content from this Technical Memorandum will serve as a basis for development of Chapters 1-4 of the 2028 RFP and for the execution of subsequent tasks. Changes to the data and information presented in this report are anticipated and will be incorporated into subsequent deliverables. The final RFP and State Flood Plan approved by the RFPG and the TWDB supersede all previous deliverables.

The Technical Memorandum includes the information required in the Scope of Work and additional guidance documents provided by the TWDB that pertain to the following project tasks. The following tasks were adopted by the RFPG:

- Task 1: Planning Area Description
- Task 2: Flood Risk Analyses
- Task 3: Floodplain Management Practices, Needs Analysis, and Flood Protection Goals
- Task 4: Assessment and Identification of Flood Mitigation Needs

The information in this memorandum is organized as a series of attachments for each data set required in the Scope of Work and is summarized as follows:

- **Attachment 1** - List of existing political subdivisions within the FPR that have flood-related authorities or responsibilities.
- **Attachment 2** - List of previous flood studies considered by the RFPG to be relevant to development of the RFP
- **Attachment 3** - Geodatabase and associated maps in accordance with TWDB Flood Planning guidance documents that the RFPG considers to be best representation of the region-wide 1.0% annual chance flood event and 0.2% annual chance flood event inundation boundaries, and the source of flooding for each area, for use in its risk analysis, including indications of locations where such boundaries remain undefined.
- **Attachment 4** - Geodatabase and associated maps in accordance with TWDB Flood Planning guidance documents that identifies additional flood-prone areas not described in (c) based on location of hydrologic features, historic flooding, and/or local knowledge.
- **Attachment 5** - List of available flood-related models that the RFPG considers of most value in developing its plan.
- **Attachment 6** - Summary and associated maps of locations within the FPR that the RFPG considers having the greatest flood risk and flood risk reduction needs.
- **Attachment 7** - List of flood mitigation and floodplain management goals adopted by the RFPG per §361.36.
- **Attachment 8** - Documented process used by the RFPG to identify potentially feasible FMSs and FMPs.
- **Attachment 9** - List of potential FMEs and potentially feasible FMSs and FMPs identified by the RFPG.

- **Attachment 10** – List of FMSs and FMPs that were identified but determined by the RFPG to be infeasible, including the primary reason for it being infeasible.

In addition, GIS spatial data files (feature classes) are included as an electronic deliverable that supports the tabular data presented in this memorandum. The table below summarizes these required layers.

Table 1: GIS Feature Class Descriptions

Feature Class Name	Description
Entities	Entities with flood-related authority
Watersheds	Watersheds
ExFldInfraPol / ExFldInfraLn / ExFldInfraPt	Existing natural flood mitigation features and constructed major flood infrastructure
ExFldProjs	Proposed or ongoing flood mitigation projects
ExFldHazard	Existing conditions inundation boundary for the 10%, 1.0%, and 0.2% events
Ex_Map_Gaps	Gaps in existing inundation boundary mapping
ExFldExpPol / ExFldExpLn / ExFldExpPt / ExFldExpAll	Existing conditions flood exposure layer identifying people and places at risk for the 10%, 1.0%, and 0.2% events
FutFldHazard	Future conditions inundation boundary for the 10%, 1.0%, and 0.2% events
FutFldExpPol / FutFldExpLn / FutFldExpPt / FutFldExpAll	Future conditions flood exposure layer identifying people and places at risk for the 10%, 1.0%, and 0.2% events
Fut_Map_Gaps	Gaps in future inundation boundary mapping
ExFldMng	Areas with existing floodplain management practices
Goals	Adopted flood mitigation and floodplain management goals with associated areas
Streams	Streams relevant to proposed FMEs, FMPs, and FMSs
FME / FMP / FMS	Proposed FMEs, FMPs, and FMSs with associated areas
Model Coverage	Hydrologic and hydraulic models with associated flood risk reduction solutions

Interim maps prepared for this submittal are:

Appendix A

- Map 4 – Existing Condition Flood Hazard
- Map 5 – Existing Condition Flood Hazard – Gaps in Inundation Boundary Mapping and Identified Known Flood-Prone Areas
- Map 6 – Existing Condition Flood Exposure
- Map 7 – Existing Condition Vulnerability and Critical Infrastructure

Appendix B

- Map 8 – Future Condition Flood Hazard
- Map 9 – Extent of Increase of Flood Hazard Compared to Existing Conditions

- Map 10 – Future Condition Flood Hazard – Gaps in Inundation Boundary Mapping and Identified Known Flood-Prone Areas
- Map 11 – Future Condition Flood Exposure
- Map 12 – Future Condition Vulnerability and Critical Infrastructure

Appendix C

- Map 14 – Model Coverage

Appendix D

- Map 15 – Greatest Gaps in Flood Risk Information
- Map 16 – Greatest Flood Risk

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Attachment 1: List of Existing Political Subdivisions within the Regional Flood Planning Area that have Flood-related Authority or Responsibility

The list of political subdivisions that have flood-related authorities was developed using the Entities feature class provided by the TWDB Geodatabase Template (published January 8, 2025 and updated June 12, 2025). The feature class includes municipalities, counties, and councils of governments boundary data developed from Texas Department of Transportation (TxDOT) datasets, as well as water district boundary data (flood control districts, utility districts, river authorities, drainage districts, etc.) maintained by the Texas Commission on Environmental Quality (TCEQ).

State guidelines for "Flood Protection Planning for Watersheds" define political subdivisions with flood related authority as cities, counties, districts or authorities created under Article III, Section 52, or Article XVI, Section 59, of the Texas Constitution, any other political subdivision of the state, any interstate compact commission to which the state is a party, and any nonprofit water supply corporation created and operating under Chapter 67.

State law also provides for limited purpose Water Supply & Utility Districts, (known variously as Municipal Utility Districts, Municipal Water Districts, Fresh Water Supply Districts, Municipal Water Districts, Special Utility Districts (MUDs, FWSDs, MWDs, SUDs)). These districts may be in or adjacent to cities or in the County and may be involved in the reclamation and drainage of its overflowed land and other land needing drainage.

Of the political subdivisions referred to above, the majority are municipalities (**Table 2**) or county governments (**Table 3**), both of which enjoy broad authority to set policy to mitigate flood risk. Additional entities (**Table 4**) with varying degrees of potential authority were also identified in addition to the 20 entities identified in the first cycle.

1 **Table 2: Municipalities with Flood-Related Authority and Responsibility**

Entity Name	Percent within Region 11
Austin (Municipality)	2
Blanco (Municipality)	100
Buda (Municipality)	25
Bulverde (Municipality)	24
Cibolo (Municipality)	9
Creedmoor (Municipality)	26
Cuero (Municipality)	100
Flatonia (Municipality)	66
Garden Ridge (Municipality)	64
Gonzales (Municipality)	100
Ingram (Municipality)	100
Kerrville (Municipality)	100
Kingsbury (Municipality)	100
Kyle (Municipality)	85
Lockhart (Municipality)	100
Luling (Municipality)	100
Martindale (Municipality)	100
Mountain City (Municipality)	24
Mustang Ridge (Municipality)	19
New Berlin (Municipality)	7
New Braunfels (Municipality)	94
Niederwald (Municipality)	100
Nixon (Municipality)	100
Nordheim (Municipality)	33
San Marcos (Municipality)	100
Santa Clara (Municipality)	9
Schertz (Municipality)	28
Seguin (Municipality)	100
Smiley (Municipality)	100
Spring Branch (Municipality)	100
Staples (Municipality)	100
Uhland (Municipality)	100
Victoria (Municipality)	54
Waelder (Municipality)	100
Wimberley (Municipality)	100
Woodcreek (Municipality)	100
Yorktown (Municipality)	100

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1 **Table 3: List of Counties with Flood-Related Authority and Responsibility**

Entity Name	Percent within Region 11
Bandera (County)	2
Bastrop (County)	4
Blanco (County)	23
Caldwell (County)	89
Calhoun (County)	8
Comal (County)	83
De Witt (County)	76
Fayette (County)	7
Gillespie (County)	3
Goliad (County)	23
Gonzales (County)	99
Guadalupe (County)	76
Hays (County)	56
Karnes (County)	6
Kendall (County)	76
Kerr (County)	70
Lavaca (County)	<1
Real (County)	<1
Refugio (County)	<1
Travis (County)	<1
Victoria (County)	47
Wilson (County)	7

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1 **Table 4: List of Other Entities with Flood-Related Authority or Responsibility**

Entity Name
Bastrop County Water Control and Improvement District No. 1
Bastrop County Water Control and Improvement District No. 2
Bastrop County Water Control and Improvement District No. 3
Comal County Water Improvement District
Fayette County Conservation District
Gillespie County Soil and Water Conservation District
Green DeWitt County Drainage District No. 1
Guadalupe County Development and Management District
Guadalupe-Blanco River Authority
Hays County Water Control and Improvement District No. 1
Hays County Water Control and Improvement District No. 2
Kendall County Water Control and Improvement District No. 1
Kendall County Water Control and Improvement District No. 2
Kendall County Water Control and Improvement District No. 3A
Kendall County Water Control and Improvement District No. 4
Upper Guadalupe River Authority
Upper San Marcos Flood Control District
Victoria County Water Control and Improvement District No. 1
Victoria County Water Control and Improvement District No. 2

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Attachment 2: List of Previous Flood Studies to be Considered for Development of the Regional Flood Plan

Various types of previous and ongoing flood studies were considered in development of the plan. Flood Insurance Studies (FIS) done by Federal Emergency Management Agency (FEMA), Hazard Mitigation Action Plans (HMAPs) for various cities and counties, Drainage Master Plans (DMPs), and United States Army Corps of Engineers (USACE) studies are types of broad-scale reports evaluated. In many cases, these reports have related modeling data listed in **Attachment 5: Flood Related Models to be Considered**.

The list of studies presented in **Table 5** is expected to be updated as sponsor outreach continues and additional data is gathered in 2026.

Table 5: List of Previous Studies Relevant to the RFP

Report/Study Name	Area	Sponsor	Date
Bandera County Flood Insurance Study (FIS)	Bandera County	Federal Emergency Management Agency (FEMA)	2020
Bastrop County FIS	Bastrop County	FEMA	2016
Blanco County FIS	Blanco County	FEMA	1991
Blanco County Hazard Mitigation Plan	Blanco County, City of Johnson City	Blanco County	2024
Caldwell County FIS	Caldwell County	FEMA	2020
Caldwell County Flood Protection Planning	Caldwell County	Caldwell County	2020
Caldwell County Hazard Mitigation Action Plan	Caldwell County, City of Lockhart, City of Luling, City of Martindale, Emergency Service District (ESD) #1, ESD #3, ESD #4, County Line Special Utility District, Lockhart Independent School District (ISD), Luling ISD, Martindale Water Supply Corporation, Maxwell Water Supply Corporation, and Plum Creek Conservation District	Caldwell County	2020
Hays Caldwell Water Treatment Plant Floodwall	Portion of Hays County	Canyon Regional Water Authority (WA)	2020
Pipeline Bore Under Lake Dunlap	Lake Dunlap	Canyon Regional WA	2020

Report/Study Name	Area	Sponsor	Date
Calhoun County FIS	Calhoun County	FEMA	2018
Calhoun County Hazard Mitigation Plan	Calhoun County, City of Port Lavaca, City of Seadrift, and City of Point Comfort	Calhoun County	2023
Comal County FIS	Comal County	FEMA	2009
Comal County Hazard Mitigation Action Plan	Comal County, City of Bulverde, City of Garden Ridge, and City of New Braunfels	Comal County	2023
River Road Low Water Crossing Improvement	Comal County	Comal County Master Water Improvement District (WID)	2020
Veramendi Regional Stormwater Detention Facility	Comal County	Comal County Master WID	2020
DeWitt County FIS	DeWitt County	FEMA	2011
DeWitt County Mitigation Action Plan	Unincorporated DeWitt County, City of Cuero, City of Nordheim, City of Yorktown, DeWitt County Drainage District	DeWitt County	2018
Flood Warning System & Stream Gage Network	DeWitt County	DeWitt County Drainage District #1	2020
Fayette County FIS	Fayette County	FEMA	2006
Fayette County Multi-Jurisdictional Hazard Mitigation Plan Update	Fayette County, City of Carmine, City of Flatonia, City of LaGrange	Texas Colorado River Floodplain Coalition	2023
General Land Office (GLO)	Western Region	GLO	Ongoing
Gillespie County FIS	Gillespie County	FEMA	2001
City of Fredericksburg and Gillespie County Hazard Mitigation Plan	The City of Fredericksburg and Gillespie County	The City of Fredericksburg and Gillespie County	2018
Goliad County FIS	Goliad County	FEMA	2010
Goliad County Hazard Mitigation Action Plan	Goliad County	Goliad County Emergency Management	2018
Gonzales County FIS	Gonzales County	FEMA	2020
Gonzales County Multi-Hazard Mitigation Plan	Gonzales County, City of Gonzales, City of Nixon,	Gonzales County	2024

Report/Study Name	Area	Sponsor	Date
	City of Smiley, and City of Waelder		
Guadalupe-Blanco River Authority (RA) Hazard Mitigation Action Plan	Guadalupe-Blanco RA Basin	Guadalupe-Blanco (RA)	2018
Guadalupe County FIS	Guadalupe County	FEMA	2020
Guadalupe County Hazard Mitigation Action Plan	Guadalupe County, City of Cibolo, and City of Seguin	Guadalupe County	2021
Lake Dunlap Spillgate Replacement and Dam Armoring	Lake Dunlap	Guadalupe-Blanco (RA)	2020
Lake McQueeney Spillgate Replacement and Dam Armoring	Lake McQueeney	Guadalupe-Blanco RA	2020
Lake Placid Spillgate Replacement and Dam Armoring	Lake Placid	Guadalupe-Blanco RA	2020
Hays County FIS	Hays County	FEMA	2005
Hays County Hazard Mitigation Plan	Hays County, Village of Bear Creek, City of Buda, City of Dripping Springs, City of Hays, City of Kyle, City of Mountain City, City of Niederwald, City of San Marcos, City of Uhland, City of Wimberley, and City of Woodcreek	Hays County	2024
Hays County Community Flood Mitigation	Hays County	Hays County	2020
Karnes County FIS	Karnes County	FEMA	2010
Karnes County Multi-Jurisdictional Hazard Mitigation Action Plan	Karnes County, Falls City, Karnes City, City of Kenedy, City of Runge, and Karnes City ISD	Karnes County	2020
Flood Protection Planning Study	Karnes County	Karnes County	2020
Kendall County FIS	Kendall County	FEMA	2020
Kendall County Hazard Mitigation Plan	Kendall County, Lower Colorado River Authority, Pedernales Electric Cooperative, Bandera Electric Cooperative, Boerne Chamber of Commerce, Boerne Kendall County Economic Development Corporation, Comfort Floodplain	Kendall County	2023

Report/Study Name	Area	Sponsor	Date
	Coalition, and Methodist Healthcare System		
Kerr County FIS	Kerr County	FEMA	2020
Kerr County Multi-Hazard Mitigation Plan	Center Point ISD, City of Ingram, City of Kerrville, Hunt ISD, Ingram ISD, Kerr County, Kerrville ISD, Schreiner University, Sid Peterson Memorial Hospital, and Upper Guadalupe River Authority	Kerr County	2024
Lavaca County FIS	Lavaca County	FEMA	2010
Lavaca County Hazard Mitigation Plan	Lavaca County, City of Hallettsville, City of Moulton, City of Shiner, City of Yoakum	Lavaca County	2025
Real County Hazard Mitigation Plan	Real County, City of Leaky, and City of Camp Wood	Real County	2025
Refugio County FIS	Refugio County	FEMA	2014
Refugio County Multi-Hazard Mitigation Plan	Refugio County, Town of Refugio, Town of Woodsboro, Refugio ISD, and Woodsboro ISD	Refugio County	2021
San Marcos Flood Protection Plan	San Marcos	San Marcos	2007
San Marcos Hazard Mitigation Action Plan	San Marcos	San Marcos	2024
CDBG-DR Infrastructure Feasibility Study	San Marcos	San Marcos	2017
CDBG-DR Hydrology and Hydraulics Technical Memorandum	San Marcos	San Marcos	2017
2D Flood Mitigation Analysis Cottonwood Creek	San Marcos	San Marcos	2021
Briarwood and River Ridge Improvements	San Marcos	San Marcos	2020
Castle Forest Drainage Improvements	San Marcos	San Marcos	2020
Wallace Addition Offsite Drainage Improvements	San Marcos	San Marcos	2020
Seguin Drainage Master Plan	Seguin	Seguin	Ongoing
Travis County FIS	Travis County	FEMA	2020

Report/Study Name	Area	Sponsor	Date
Travis County Hazard Mitigation Plan	Travis County, City of Pflugerville, City of Sunset Valley, City of Manor, City of Lakeway, and Village of the Hills	Travis County	2023
City of Victoria FIS	City of Victoria	FEMA	1999
Storm Drainage Master Plan	City of Victoria	City of Victoria	2021
Kerr County Flood Warning System Preliminary Engineering Study	Kerr County	Kerr County	2016
New Braunfels Drainage Area Master Plan – Future Phases	New Braunfels	New Braunfels	Ongoing
Drainage CIP List	New Braunfels	New Braunfels	2013
Landa Park Aquatics Center Parking Lot – Green Infrastructure Retrofit	New Braunfels	New Braunfels	2020
Victoria County FIS	Victoria County	FEMA	1998
Victoria County Hazard Mitigation Action Plan	Victoria County, City of Victoria, and Victoria ISD	Victoria County	2023
Annex 2 – TRN Interim Feasibility Study – Phase 2	Victoria County	Victoria County	2016
Wilson County FIS	Wilson County	FEMA	2010
Wilson County Multi-Jurisdictional Hazard Mitigation Action Plan	Wilson County, City of Floresville, City of La Vernia, City of Poth, City of Stockdale, and La Vernia ISD	Wilson County	2025
Wimberley Flood Hazard/Risk Assessment Project	Wimberley	Wimberley	2020
Stormwater Master Plan	San Marcos	San Marcos	2018

Attachment 3: Flood Hazard Areas and Flood Exposure Analyses

The goal of Task 2 was to develop a region-wide understanding of flood hazards using the best available data. The analysis considered the location, magnitude, and frequency of flooding, as well as identifying who and what might be at risk. The types of flooding included in this assessment (where available) are coastal, riverine, and urban areas.

It is important to note that the results of this effort are not regulatory in nature, rather they are intended to provide planning level information regarding flood risk throughout the Guadalupe Region.

Existing Flood Hazard

For the purposes of the regional flood plan, the Region 11 existing flood hazard areas were developed using a variety of data sources. Due to the different types, ages, and in some locations overlap, of the available data the RFPG used a data hierarchy to prioritize the data. The flood hazard data was prioritized as follows:

- Texas General Land Office Combined River Basin Studies (TxGLO CRBS): The studies were initiated in 2020 to evaluate flood risks in the 45 counties impacted by Hurricane Harvey and 4 additional counties in the Lower Rio Grande Valley. As part of that study 2-dimensional base level engineering (2D BLE) models were created. Base Level Engineering (BLE) is a large-scale mapping and modeling approach that follows FEMA guidelines to identify approximate flood hazard zones. The TxGLO models incorporate Atlas 14 and were made available to the RFPG in early 2025.
- New Braunfels Drainage Master Plan (DAMP): The city was awarded Flood Infrastructure Funding in 2020 (FIF) to produce updated regional flood risk models and recommend potential flood risk reduction solutions. These models include Atlas 14 rainfall.
- Detailed FEMA regulatory floodplain mapping: Pending and effective Zone AE mapping developed for the National Flood Insurance Program (NFIP) is available in about 50% of the region. FEMA data was compared to the TxGLO and DAMP mapping in areas where they overlap. FEMA pending and effective mapping was used in areas where the footprint is larger than the other data sources.
- FEMA Base Level Engineering: One-dimensional BLE is a large-scale mapping and modeling approach and is available across the region. Unlike the TxGLO models, these do not include Atlas 14 rainfall, but they do provide flood risk data in the portions of the region not covered by the models listed above.

Due to the extensive coverage in the selected hierarchy cursory flood hazard information (see more below) was not used. The RFPG approved the hierarchy/data prioritization during the June 24, 2025 RFPG meeting.

An example of different data sources used to generate the basin-wide exiting flood risk hazard map is shown in **Figure 2**.

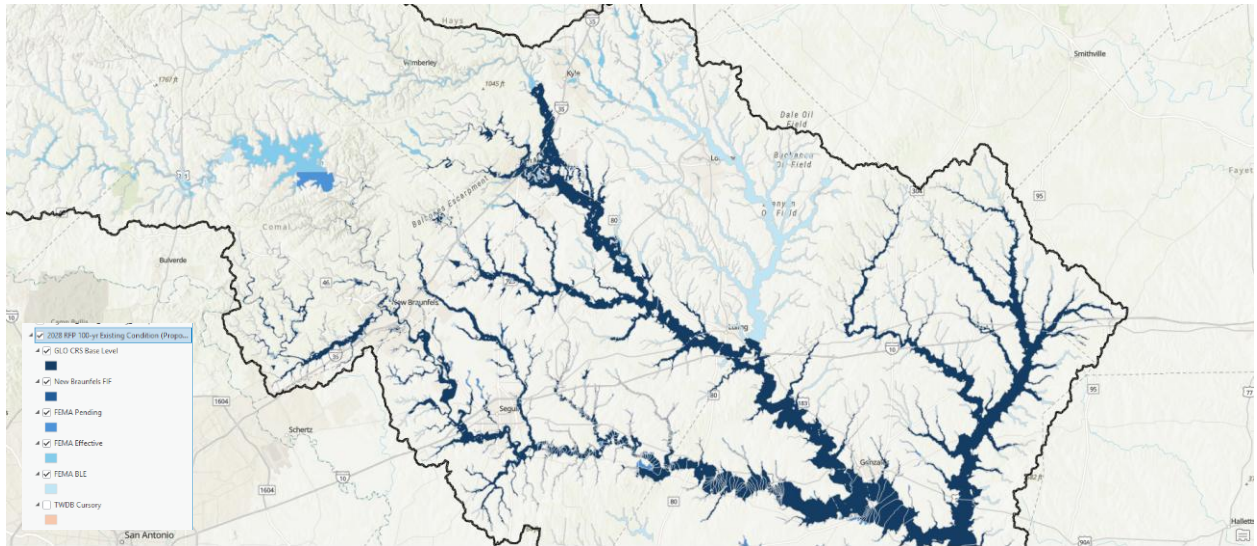


Figure 2: Example of Existing Flood Hazard Hierarchy

Future Flood Hazard

In the 2023 RFP cycle the planning group used the existing 500-year flood hazard area as a proxy to identify the future 100-year flood hazard area and developed a process of horizontal and vertical offsets to generate the future 500-year flood hazard. For the 2028 planning cycle the TWDB sourced a cursory floodplain dataset from Fathom.

TWDB released the data in March 2025 with four future (year 2060) scenarios. The study was based on variations in assumed changes to impervious cover, rainfall, relative sea level, and/or land subsidence, sedimentation in flood control structures, and other factors. The four scenarios considered include:

1. Minimal future climate forcing (17th percentile “change factors” applied) with future subsidence and land use change
2. Moderate future climate forcing (50th percentile “change factors” applied) with future subsidence and land use change
3. Significant future climate forcing (83rd percentile “change factors” applied) with future subsidence and land use change
4. Moderate future climate forcing (50th percentile “change factors” applied) without future subsidence and land use change

TWDB recommends RFPs adopt Scenario 3, which applies significant future climate forcing (83rd percentile climate change factors) along with projected subsidence and land use changes. This scenario represents the upper range of potential flood inundation across Texas, supporting robust planning for worse-case conditions.

Because the future flood hazard assessment is intended to guide long-term floodplain management and risk reduction, TWDB requires that in areas where future floodplain extents are projected to shrink, RFPs must use a flood hazard area at least equal to the existing flood hazard for that location.

During the June 24, 2025 meeting, The RFPG approved the adoption of Fathom Scenario 3 as the primary dataset for the Future Flood Hazard layer. Where Scenario 3 floodplain boundaries were narrower (smaller footprint) than those adopted under Task 2A (Existing Conditions, above), the Existing Flood Hazard layer was used to comply with the TWDB directive that future flood hazard areas must not be smaller than existing flood hazard areas.

Flood Hazard, Exposure and Vulnerability Summary

This Attachment contains a series of maps summarizing flood hazard, exposure, and vulnerability information. The following maps are also included to help visualize flood hazard data across the region:

Maps are presented in Appendix A and B:

Appendix A

- **Map 4** – Existing Condition Flood Hazard
- **Map 6** – Existing Condition Flood Exposure
- **Map 7** – Existing Condition Vulnerability and Critical Infrastructure

Appendix B

- **Map 8** – Future Condition Flood Hazard
- **Map 9** – Extent of Increase of Flood Hazard Compared to Existing Conditions
- **Map 11** – Future Condition Flood Exposure
- **Map 12** – Future Condition Vulnerability and Critical Infrastructure

Attachment 4: Flood Prone Areas

In addition to the Flood Hazard Quilt data provided by TWDB, members of the public and regional stakeholders were provided the opportunity to identify additional flood-prone areas not included in the existing data using an online interactive map. Users were asked to provide input as points and polygons on flood hazard areas based on their understanding of local flooding problems, for example, based on historic flooding events.

In the 2023 RFP cycle sixty responses were recorded, identifying points of flood risk on the map. Most of those points and/or locations were found to be within existing flood hazard areas. To date an additional six comments have been received and all of those confirm areas and locations of known flood risk. The areas identified in the 2023 cycle that were outside known floodplains have been pulled into the 2028 datasets.

Additional flood prone areas may be identified as sponsor outreach continues, and additional data is gathered in 2026. If additional areas are identified they will be incorporated into the flood risk datasets and analyses.

Two maps related to this attachment are included in the appendices showing gaps in inundation boundary mapping and flood-prone areas at a HUC12 watershed level:

Maps are presented in Appendix A and B:

Appendix A

- **Map 5** – Existing Condition Flood Hazard – Gaps in Inundation Boundary Mapping and Identified Known Flood-Prone Areas

Appendix B

- **Map 10** – Future Condition Flood Hazard – Gaps in Inundation Boundary Mapping and Identified Known Flood-Prone Areas

Attachment 5: Flood-Related Models to be Considered for Development of the Regional Flood Plan

Flood-related models considered most valuable in the development of the plan include large watershed studies for flood insurance studies by FEMA, 1D BLE studies performed by TWDB, 2D BLE studies performed by the TxGLO CRBS, as well as models created for Drainage Master Plans by counties and municipalities. These models were referenced and cataloged for future use. In many cases, these models accompany reports listed **Attachment 2 - List of Previous Flood Studies to be Considered for Development of the Regional Flood Plan**.

Models from this list that are useful and available for evaluating FMSs and FMPs are shown on **Map 14 Model Coverage** located in **Appendix C**.

The list of models presented in **Table 6** is expected to be updated as sponsor outreach continues and additional data is gathered in 2026.

Table 6: List of Models Relevant to the RFP

Model ID	Name	Software	Version	Date
11-27-0000000001	2013 Blanco River	HEC-RAS	4.1	3/1/2013
11-27-0000000002	Plum3	HEC-RAS	5	1/18/2018
11-27-0000000003	PlumCreekTrib4_New	HEC-RAS	6.3.1	1/18/2017
11-27-0000000004	PLUMCREEK	HEC-RAS	6.3.1	1/17/2017
11-27-0000000005	PLUMCREEK	HEC-RAS	6.3.1	1/17/2017
11-27-0000000006	USM_4.2.1_kingwood	InfoWorks ICM	4.2.1	10/5/2020
11-27-0000000007	Baldrige Creek	HEC-RAS	5	1/17/2017
11-27-0000000008	Baldrige Creek	HEC-RAS	5	1/17/2017
11-27-0000000009	WilsonCreek	HEC-RAS	5	1/18/2017
11-27-0000000010	Hog Creek Hydraulics	HEC-RAS	4.1	3/1/2014
11-27-0000000011	Guadalupe_FEMA2008, Guadalupe_Dewitt, Guadalupe_Gonzales, Iguad, guadalupe, uguad	HEC-RAS	4.1	3/1/2014
11-27-0000000012	Guadalupe_FEMA2008, Guadalupe_Dewitt, Guadalupe_Gonzales	HEC-RAS	4.1	3/1/2014
11-27-0000000013	Mays_Creek	HEC-RAS	5	1/17/2017
11-27-0000000014	Mays_Creek	HEC-RAS	5	1/17/2017
11-27-0000000015	SpringCreek	HEC-RAS	5	1/17/2017
11-27-0000000016	SpringCreek	HEC-RAS	5	1/17/2017
11-27-0000000017	Guadalupe_FEMA2008, Guadalupe_Dewitt, Guadalupe_Gonzales, San Marcos River	HEC-RAS	4.1	3/1/2014
11-27-0000000018	SpringCreek_New	HEC-RAS	6.3.1	2/1/2023
11-27-0000000019	SpringCreek_New	HEC-RAS	6.3.1	2/1/2023

Model ID	Name	Software	Version	Date
11-27-0000000020	JacobsCreek	HEC-RAS	6.3.1	2/1/2023
11-27-0000000021	Cypress200131	HEC-RAS	6.3.1	5/1/2023
11-27-0000000022	CFPP_COP_DraftModel	HEC-RAS	6.3	5/15/2023
11-27-0000000023	CFPP_MOR	HEC-RAS	6.3	5/15/2023
11-27-0000000024	CFPP_MCN_Existing	HEC-RAS	6.3	5/15/2023
11-27-0000000025	PLC	HEC-RAS	6.3	5/15/2023
11-27-0000000026	PLC	HEC-RAS	6.3	5/15/2023
11-27-0000000027	CFPP_HEM	HEC-RAS	6.3	5/15/2023
11-27-0000000028	CFPP_CLFP_Draft	HEC-RAS	6.3	5/15/2023
11-27-0000000029	CFPP_BRU	HEC-RAS	6.3	5/15/2023
11-27-0000000030	CFPP_CLFP_Draft	HEC-RAS	6.3	5/15/2023
11-27-0000000031	CFPP_CLFP_Draft	HEC-RAS	6.3	5/15/2023
11-27-0000000032	CFPP_BRU	HEC-RAS	6.3	5/15/2023
11-27-0000000033	First_Street_LWC	HEC-RAS	5.0.5	6/8/2018
11-27-0000000034	Fourth_Street_LWC	HEC-RAS	5.0.5	6/8/2018
11-27-0000000035	Faust-NacogdochesStormCAD	XPSWMM	19.3.5	2/1/2018
11-27-0000000036	Castell_XPSWMM	XPSWMM	19.3.5	2/1/2018
11-27-0000000037	WillowSpringsCree	HEC-RAS	6.3	3/28/2022
11-27-0000000038	Upper Guadalupe BLE	HEC-RAS	4.1.0	-
11-27-0000000039	Middle Guadalupe BLE	HEC-RAS	4.1.0	-
11-27-0000000040	Lower Guadalupe BLE	HEC-RAS	4.1.0	-
11-27-0000000041	NEB_Existing_Condtions	HEC-HMS	4.1	7/1/2024
11-27-0000000042	Old_Channel_Comal_River	HEC-RAS	6.3.1	7/1/2024
11-27-0000000043	New_Channel_Comal_River	HEC-RAS	6.3.1	7/1/2024
11-27-0000000044	Comal_Springs	HEC-RAS	6.3.1	7/1/2024
11-27-0000000045	Blieders_Ck	HEC-RAS	6.3.1	7/1/2024
11-27-0000000046	WalnutBranch	HEC-RAS	6	7/1/2024
11-27-0000000047	GLO West Region Models	HEC-RAS	6.4.1	3/18/2025

1
2

Attachment 6: Summary of Greatest Flood Risk and Risk Reduction Needs

Task 3B identified locations within the region that were determined to have the greatest needs for flood mitigation and flood risk studies. The analysis was based on a geospatial process that combines information from multiple datasets at a Hydrologic Unit Code Level 12 (HUC 12) watershed level, which provides a level of resolution that was considered suitable for performing the assessment at a regional scale. The Hydrologic Unit Code (HUC) is a unique number assigned to watersheds in the United States - as the watersheds get smaller, the number of digits in the code increases. The smallest unit of division that is completely delineated for the United States is the HUC 12 level. The Guadalupe Basin has a total of 152 HUC 12 watersheds, with an average size of 39.5 square miles.

A total of 11 data categories were used in the assessment, and a scoring range was established for each category based on the statistical distribution of the data. A uniform scoring scale of zero to five, with 5 being the highest risk, was adopted, and each HUC 12 was assigned an appropriate score for each category. The scoring ranges vary for each category based on the HUC 12s with the smallest and largest quantity. The scores for each category were added to obtain a total score to quantify the level of known flood risk. The HUC 12s with the highest scores indicate areas of greatest known flood risk.

This is the same process used in the 2023 RFP process and was approved for use in the 2028 RFP by the RFPG during the June 24, 2025 meeting.

Table 7 presents the data categories and scoring overview. A summary map, **Map 15 – Greatest Gaps in Flood Risk Information**, is provided in **Appendix D**. In addition, the analysis of inadequate floodplain mapping highlighted the most significant gaps in flood risk knowledge. The corresponding map is also included in **Appendix D** as **Map 16 – Greatest Flood Risk**. The Inadequate Inundation Mapping category was selected as the basis for determining the areas where the greatest flood risk knowledge gaps exist.

1 **Table 7: Greatest Needs and Gap Analysis Scoring**

Score (low to high risk)	1	2	3	4	5
Number of Buildings	1-150	151-250	251-350	351-500	500+
Number of Low Water Crossings	1	2	3	4	5+
Total Agricultural Area (sq. mi.)	0-1.5	1.51-3	3.1-4	4.1-6	6+
Number of Critical Facilities	1-2	3-4	5-9	10-20	20+
Total Mileage of Roads	0-4	5-10	11-15	16-30	30+
NFIP Participant	Yes (score = 0)				No
Adequate Mapping	Detailed w/Atlas 14	Detailed (outdated)	2D BLE	1D BLE/Zone A	No mapping
Disaster Declarations	0-3	3-6	6-10	10-15	15+
FEMA Claims (dollars)	0-1,000,000	1-3,000,000	3-6,000,000	6-20,000,000	20mil+
SVI Rating	0.01 - 0.25	0.26 - 0.35	0.36 - 0.50	0.50 - 0.65	0.66+
Additional Flood Concerns	1	2	2+	-	-

2 **Note:** If a criterion was not impacted within a HUC12 it was assigned a score of zero (Ex: No buildings
3 impacted received a score of zero).

Attachment 7: Flood Mitigation and Floodplain Management Goals

Task 3C requires the RFPG and its technical consultants to “identify specific and achievable flood mitigation and floodplain management goals along with target years by which to meet those goals for the flood planning region.” The RFPG reviewed and discussed the goals in the 2023 RFP during the May 6, 2025 planning group meeting. Group consensus was that the goals still appear to be appropriate but may need minor changes including:

- clarifying language to remove ambiguity such as “high growth communities”, and
- not including entities that are fractionally within Region 11 determining status and/or progress (i.e. less than 1% of Austin is in the region – should it count to achieving goals?).

The goals were discussed again during the June 24, 2025 planning group meeting. During that meeting the group confirmed the goals are appropriate to pull forward in the 2028 plan and that entities fractionally within the region should not be included in status and progress determinations as they can skew the results however, the group requested additional time to consider the final language. The goals were distributed to RFPG members on August 8, 2025 and the amended goals were adopted by the RFPG during the November 12, 2025 meeting.

The goals adopted by the RFPG are presented in **Table 8** below and Exhibit C Table 11 (TWDB numbering) is in **Appendix E**.

Table 8: Goals Adopted by the RFPG

Short-Term Goal (10-years)	Long-Term Goals (30-years)
Improve safety beyond minimal signage at 35% of low water crossings through automatic flood warning gates and/or flood level passed.	Improve safety beyond minimal signage at 90% of low water crossings through automatic flood warning gates and/or flood level passed.
Consider incorporating nature-based practices when acreage exceeds one acre (LID, green infrastructure, natural channel design) in 30% of Flood Mitigation Projects and Flood Management Strategies recommended in the Regional Flood Plan.	Consider incorporating nature-based practices when acreage exceeds one acre (LID, green infrastructure, natural channel design) in 100% of Flood Mitigation Projects and Flood Management Strategies recommended in the Regional Flood Plan.
Increase adoption of higher standards to 30% of communities in high growth counties.	Increase adoption of higher standards to 70% of communities in high growth counties.
Increase high growth community CRS participation to 50% of all high growth communities.	Increase high growth community CRS participation to 75% of all high growth communities.
Reduce the number of vulnerable buildings, structures, and critical facilities within the 1% existing flood hazard layer by 20% .	Reduce the number of vulnerable buildings, structures, and critical facilities within the 1% existing flood hazard layer by 50% .

Short-Term Goal (10-years)	Long-Term Goas (30-years)
Increase the percentage of communities with dedicated funding sources for operations, maintenance, and implementation of storm drainage systems to 35% of communities.	Increase the percentage of communities with dedicated funding sources for operations, maintenance, and implementation of storm drainage systems to 60% of communities.

Table 8 will be updated after the November 12, 2025 RFPG meeting (if needed) to reflect any final discussion prior to adoption.

Attachment 8: Documented Process Used for the Regional Flood Planning Group to Identify Potential FMEs and Potentially Feasible FMSs and FMPs

The objective of Task 4A is to identify and evaluate a wide range of potential actions to define and mitigate flood risk across the basin. These actions have been broadly categorized into three distinct types:

- **Flood Management Evaluation (FME):** a proposed flood study of a specific, flood-prone area that is needed to assess flood risk and/or determine whether there are potentially feasible FMSs or FMPs.
- **Flood Mitigation Project (FMP):** a proposed project, either structural or non-structural, that has non-zero capital costs or other non-recurring costs, and when implemented will reduce flood risk or mitigate flood hazards to life or property.
- **Flood Management Strategy (FMS):** a proposed plan to reduce or mitigate flood hazards to life or property.

The process to identify new or update previously recommended flood mitigation actions shown in **Figure 3** was approved by the RFPG during the June 24, 2025 meeting.

Identification

A key factor of the effort is sponsor outreach and feedback to confirm participation in the 2028 RFP, verify/update actions in the 2023 RFP, and identify new flood mitigation actions (if any). The identification of potential FMEs and potentially feasible FMPs and FMSs will be advanced further (in 2026) using results of the Flood Mitigation Needs Analysis that will guide the evaluation and recommendation of actions by highlighting areas with the greatest gaps in flood risk knowledge (potential FMEs) and areas of greatest known flood risk and flood mitigation needs that should be considered for implementation of potentially feasible FMSs and FMPs.

FNI has developed a process for identifying areas of greatest need based on application of the minimum requirements outlined in the TWDB rules and guidance. The process is in **Attachment 6** above.

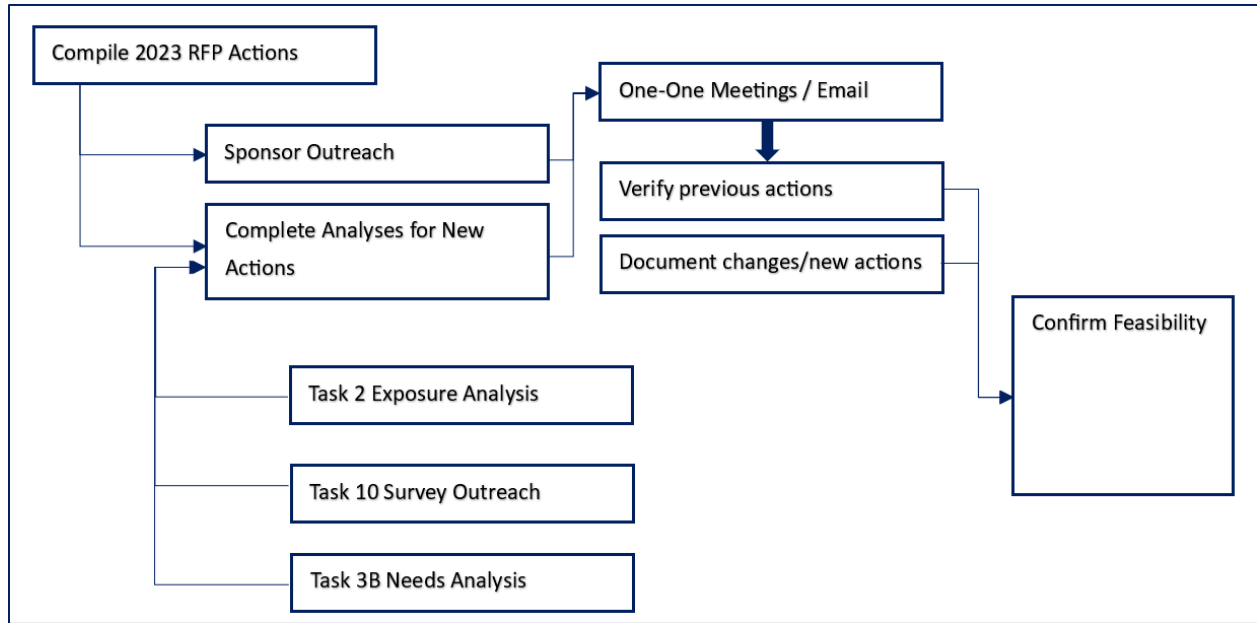


Figure 3: Process to Identify Potentially Feasible Actions

After identification of the areas of greatest flood mitigation need, FNI has and will continue to review the available data to develop a list of potential flood risk reduction actions for addressing the needs in these areas. The data included information compiled under previous tasks in the *Scope of Work*, including:

- Data collection regarding existing flood infrastructure, flood projects currently in progress, and known flood mitigation needs (*Task 1*);
- Quantification of existing and future flood risk exposure and vulnerability (*Tasks 2A and 2B*);
- Goals and strategies adopted and/or recommended by the RFPG for addressing existing flood hazards and mitigating future flood risk (*Tasks 3A and 3C*); and,
- Ongoing/continued stakeholder input.

It is anticipated that additional potential actions will be identified from sources such as ongoing DMPs, FMEs conducted by the RFPG, FMEs to be conducted by the TWDB, and proposed Flood Infrastructure Fund (FIF) studies.

Classification

After the potential flood risk reduction actions are identified and/or updated, the actions will be screened to determine the appropriate categorization (future Task 5). The action categories are shown in **Table 9** and the screening process is shown in **Figure 4**.

Table 9: General Flood Risk Reduction Action Categories

Flood Risk Reduction Action Category	Action Types
Flood Management Evaluation (FME)	a. Watershed planning i. Hydraulic and hydrologic (H&H) modeling ii. Flood mapping updates iii. Regional watershed studies b. Engineering project planning i. Feasibility assessments ii. Preliminary engineering (alternative analysis and up to 30% design) c. Studies on Flood Preparedness d. Other
Flood Mitigation Projects (FMP)	Structural a. Low-water crossings or bridge improvements b. Infrastructure (channels, ditches, ponds, stormwater pipes and more) c. Regional detention d. Regional channel improvements e. Storm drain improvements f. Reservoirs g. Dam improvements, maintenance, and repair h. Flood walls/levees i. Coastal protections j. Nature-based projects – living levees, increasing storage, increasing channel roughness, increasing losses, de-synchronizing peak flows, dune management, river restoration, riparian restoration, run-off pathway management, wetland restoration, low-impact development, green infrastructure k. Comprehensive regional project – includes a combination of projects intended to work together. Non-Structural a. Property or easement acquisition b. Elevation of individual structures c. Flood readiness and resilience d. Flood early warning systems, including stream gauges and monitoring stations e. Floodproofing f. Regulatory requirements for reduction of flood risk

Flood Risk Reduction Action Category	Action Types
Flood Management Strategies (FMS)	None specified; RFPGs were instructed to include at a minimum any proposed action that the group wanted to consider for inclusion in the plan that did not qualify as either an FME or FMP.

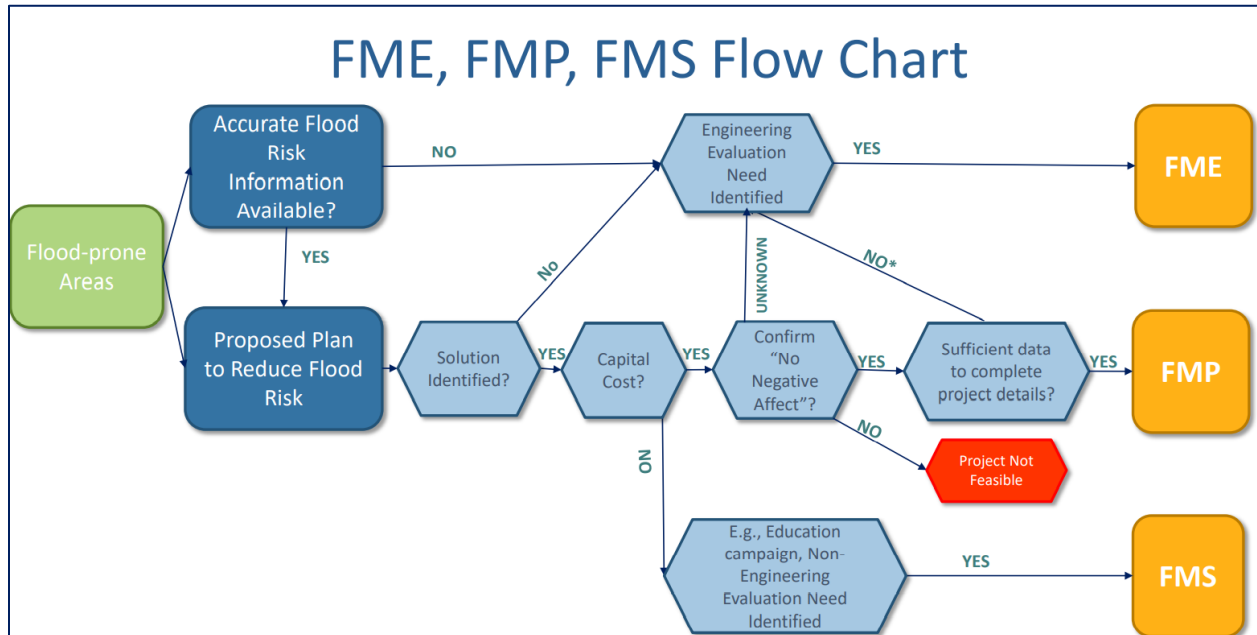


Figure 4: Process to Identify and Update FMXs

Attachment 9: List of Potential FMEs and Potentially Feasible FMSs and FMPs

Potential flood mitigation actions, including FMEs, FMPs, and FMSs, are presented in the following tables. The list of potential flood mitigation actions were compiled based on review and evaluation of the first cycle flood mitigation actions and several data sources, including available flood risk information, open-source datasets, and input from the RFPG and regional stakeholders.

Table 10 presents the current list of potential FMEs

Table 11 presents the current list of potential FMPs

Table 12 presents the current list of potential FMSs

Additional flood mitigation actions will continue to be identified following the process outlined in **Attachment 8** as well as through the completion of FMEs being performed by entities, the RFPG, and TWDB. Through that process it is anticipated that some actions may be removed or recategorized as more information about the type of action and location (in Region 11 or other) is confirmed. Regions 10, 11, and 12 technical consultants are working together to share data and information – they will continue to coordinate to verify actions are included in the appropriate RFP and for FMEs and FMPs that cross regional boundaries are reported in the primary region (region with the larger FMX area) to avoid duplicate information.

Partially completed feature classes related to the potential flood risk reduction actions is included in the electronic submittal of the geodatabase. FNI will continue to populate missing data and, as outreach and data collection continues, changes to the interim lists are anticipated in 2026. **TWDB Exhibit C Tables 12, 13, and 14** Potentially Feasible Flood Management Evaluations, Potentially Feasible Flood Mitigation Projects, and Potentially Feasible Flood Management Strategies, respectively are included in **Appendix E**. Note these tables are partially complete reflecting the ongoing process of populating the feature class.

Table 10: Potentially Feasible Flood Management Evaluations

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000001	Blanco County Low Water Crossing Improvements Study	Blanco (County)	Watershed Planning
11-51-0000000002	Blanco County Soil Conservation Plan	Blanco (County)	Watershed Planning
11-51-0000000003	Caldwell County Bridge Improvements Project Planning	Caldwell (County)	Project Planning
11-51-0000000004	Caldwell County Emergency Service District #1 Drainage and Utility Plan	Caldwell County Emergency Service District #1	Watershed Planning
11-51-0000000005	Caldwell County Emergency Service District #3 River Crossing Improvements Study	Caldwell County Emergency Service District #3	Watershed Planning
11-51-0000000006	Caldwell County Emergency Service District #3 Repetitive Loss Property Mitigation Study	Caldwell County Emergency Service District #3	Project Planning

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000007	Caldwell County Emergency Service District #4 Fire Station 2 Project Planning	Caldwell County Emergency Service District #4	Project Planning
11-51-0000000008	Canyon Regional Water Authority Hays Caldwell Water Treatment Plant Floodwall Project Planning	Canyon Regional Water Authority	Project Planning
11-51-0000000009	Center Point ISD Drainage Improvements Study	Center Point ISD	Watershed Planning
11-51-0000000010	City of Cibolo and Seguin Road Access and Conditions Study	Cibolo	Preparedness
11-51-0000000011	City of Cibolo and Seguin USACE Study	Cibolo	Watershed Planning
11-51-0000000012	City of Buda Dam Study	Buda	Preparedness
11-51-0000000013	City of Bulverde Drainage Improvements Study	Bulverde	Watershed Planning
11-51-0000000014	City of Bulverde Local Flooding Study	Bulverde	Watershed Planning
11-51-0000000015	City of Flatonia Drainage Project Planning	Flatonia	Project Planning
11-51-0000000016	City of Flatonia WWTP Floodproofing Project Planning	Flatonia	Project Planning
11-51-0000000017	City of Garden Ridge Drainage Improvements Project Planning	Garden Ridge	Project Planning
11-51-0000000018	City of Gonzales Tinsley Creek Improvement Project Planning	Gonzales	Project Planning
11-51-0000000019	City of Gonzales Tinsley Creek Flood Mitigation Project Planning	Gonzales	Project Planning
11-51-0000000020	City of Ingram Drainage Improvements Study	Ingram	Watershed Planning
11-51-0000000022	City of Kerrville Pinto Trail Project Planning	Kerrville	Project Planning
11-51-0000000023	City of Kerrville Park Street Low Water Crossing Project Planning	Kerrville	Project Planning
11-51-0000000026	City of Kerrville Hill Country Drive at SH 16 Project Planning	Kerrville	Project Planning
11-51-0000000028	City of Kerrville Harper Street between Culberson Avenue and Lewis Avenue Project Planning	Kerrville	Project Planning
11-51-0000000029	City of Kerrville Circle Avenue Drainage Channel Project Planning	Kerrville	Project Planning
11-51-0000000030	City of Kerrville Jack Drive - Undersized Inlet Project Planning	Kerrville	Project Planning
11-51-0000000031	City of Kerrville Harper Road to Town Creek (Fay Drive) Drainage Improvements Study	Kerrville	Project Planning

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000033	City of Kyle Prairie and Woodland Restoration Plan	Kyle	Watershed Planning
11-51-0000000034	City of Kyle - N. Burleson Street Drainage Improvements Project Planning	Kyle	Project Planning
11-51-0000000035	City of Lockhart Drainage Improvements Study	Lockhart	Watershed Planning
11-51-0000000036	City of Lockhart USACE Study	Lockhart	Watershed Planning
11-51-0000000037	City of Luling Drainage Improvements Study	Luling	Watershed Planning
11-51-0000000038	City of Martindale Drainage Improvements Study	Martindale	Watershed Planning
11-51-0000000039	City of Mountain City Repetitive Loss Structure Mitigation Study	Mountain City	Project Planning
11-51-0000000043	City of New Braunfels - Box Culvert Installation to Reduce Flood Risk on Blieders Creek, Comal River and Landa Park Project Planning	New Braunfels	Project Planning
11-51-0000000045	City of New Braunfels Dry Comal Creek Tributary East Watershed Project Planning	New Braunfels	Watershed Planning
11-51-0000000047	City of New Braunfels Hunters Creek Regional Project Planning	New Braunfels	Watershed Planning
11-51-0000000048	City of New Braunfels South Guadalupe Tributary Watershed Project Planning	New Braunfels	Watershed Planning
11-51-0000000049	City of New Braunfels Dry Comal Creek West Watershed Project Planning	New Braunfels	Watershed Planning
11-51-0000000051	City of Niederwald Engineering Review of City Hall	Niederwald	Project Planning
11-51-0000000052	City of Nixon Voluntary Buyout Program Project Planning	Nixon	Project Planning
11-51-0000000054	City of San Marcos Regional Detention Study	San Marcos	Watershed Planning
11-51-0000000055	City of San Marcos Modeling of Purgatory Creek and Willow Springs Creek Overflow Area	San Marcos	Watershed Planning
11-51-0000000056	City of San Marcos Low Water Crossing at Jackman Project Planning	San Marcos	Project Planning
11-51-0000000057	City of San Marcos Low Water Crossing at Mitchell and Purgatory Creek Project Planning	San Marcos	Project Planning

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000058	City of San Marcos LWC at River Road and Railroad Trestle/Blanco River Project Planning	San Marcos	Project Planning
11-51-0000000059	City of San Marcos LWC at S LBJ and Purgatory Creek Project Planning	San Marcos	Project Planning
11-51-0000000060	City of San Marcos - Extension of River Ridge Parkway West Project Planning	San Marcos	Project Planning
11-51-0000000064	City of Seguin City-wide Drainage Improvements Project Planning	Seguin	Project Planning
11-51-0000000065	City of Seguin Voluntary Buyout Program Project Planning	Seguin	Project Planning
11-51-0000000066	City of Seguin Citywide Drainage Project Planning	Seguin	Project Planning
11-51-0000000067	City of Seguin Sewage Treatment Plant Floodproofing Project Planning	Seguin	Project Planning
11-51-0000000068	City of Uhland Drainage Improvement Project Planning	Uhland	Project Planning
11-51-0000000069	City of Victoria Drainage Improvement Study	Victoria	Watershed Planning
11-51-0000000070	City of Victoria Harden Critical Infrastructure Project Planning	Victoria	Project Planning
11-51-0000000071	City of Victoria Voluntary Buyout Program Project Planning	Victoria	Project Planning
11-51-0000000072	City of Victoria Flood Gate Project Planning	Victoria	Project Planning
11-51-0000000073	City of Victoria Regional Drainage Solutions Project Planning	Victoria	Project Planning
11-51-0000000074	City of Victoria - Storm Sewer Improvements Project Planning	Victoria	Project Planning
11-51-0000000075	City of Victoria Clean and Televis Storm Sewers Project Planning	Victoria	Project Planning
11-51-0000000076	City of Victoria Regrade Priority Ditches and Driveway Culverts Project Planning	Victoria	Project Planning
11-51-0000000077	City of Victoria Repair Channel Failures & Sediment Removal Project Planning	Victoria	Project Planning
11-51-0000000078	City of Victoria Stream Restoration Study	Victoria	Watershed Planning
11-51-0000000079	City of Waelder Voluntary Buyout Program Project Planning	Waelder	Project Planning
11-51-0000000080	City of Wimberley Drainage Master Plan	Wimberley	Watershed Planning

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000081	City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000082	City of Wimberley Hidden Valley at Blanco River Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000083	City of Wimberley Little Arkansas at Blanco River Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000084	City of Wimberley Valley Drive at Pierce Creek Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000085	City of Wimberley Flite Acres Road Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000086	City of Wimberley FM 1492 at Pierce Creek Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000087	City of Wimberley Wilson Creek at River Road Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000088	City of Wimberley Green Acres Dr. at Fire Station Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000089	City of Wimberley Leveritt's Loop Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000090	City of Wimberley Spoke Hollow Dr. at Spoke Pile Creek Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000091	City of Wimberley River Road at Western City Limit Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000092	City of Wimberley Paradise Hills Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000093	City of Wimberley River Road Reconstruction Project Planning	Wimberley	Project Planning
11-51-0000000094	City of Wimberley Little Ranches at Panther Creek Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000095	City of Wimberley Hoots Holler Low Water Crossing Project Planning	Wimberley	Project Planning
11-51-0000000096	Comal County Evacuation and Dam Safety Plan	Comal (County)	Preparedness
11-51-0000000098	Comal County Voluntary Buyout Program Project Planning	Comal (County)	Project Planning

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000099	Comal County Retention Dam Project Planning	Comal (County)	Project Planning
11-51-0000000100	Comal County Master Water Improvement District River Road Low Water Crossing Improvement Project Planning	Comal Master WID	Project Planning
11-51-0000000101	City of Cuero Drainage Improvements Study	Cuero	Watershed Planning
11-51-0000000102	City of Cuero City Public Service Station Project Planning	Cuero	Project Planning
11-51-0000000103	City of Cuero WWTP Floodproofing Project Planning	Cuero	Project Planning
11-51-0000000104	Green DeWitt County Drainage District Channel Improvements Project Planning	Dewitt County Drainage District 1	Project Planning
11-51-0000000105	DeWitt County (City of Nordheim) Flash Flood Mitigation Project Planning	Nordheim	Project Planning
11-51-0000000106	Gillespie County Low Water Crossing Improvements Project Planning	Gillespie (County)	Project Planning
11-51-0000000107	Gonzales County Voluntary Buyout Program Project Planning	Gillespie (County)	Project Planning
11-51-0000000108	Guadalupe-Blanco River Authority FEMA Cooperating Technical Partners (CTP) Modeling and Mapping	Guadalupe-Blanco River Authority	Watershed Planning
11-51-0000000109	Guadalupe County Drainage Improvements Study	Guadalupe (County)	Watershed Planning
11-51-0000000110	Guadalupe County Voluntary Buyout Program Project Planning	Guadalupe (County)	Project Planning
11-51-0000000111	Guadalupe County LWC Project Planning	Guadalupe (County)	Project Planning
11-51-0000000112	Hays County Dam Inundation Maps	Hays (County)	Preparedness
11-51-0000000113	Hays County Harden Critical Infrastructure Project Planning	Hays (County)	Project Planning
11-51-0000000114	Hays County Drainage Project Planning (Willow Springs Creek between McCarty Lane and Hunter Road)	Hays (County)	Project Planning
11-51-0000000115	Hays County Drainage Project Planning (Willow Springs Creek between Hunter Rd and the Railroad)	Hays (County)	Project Planning
11-51-0000000116	Hays County Southeastern Property Acquisition Project Planning	Hays (County)	Project Planning

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000118	Hays County Community Flood Mitigation Project Planning	Hays (County)	Project Planning
11-51-0000000119	Hunts ISD Storm Drainage Infrastructure Project Planning	Hunt ISD	Project Planning
11-51-0000000120	Ingram ISD Construct New Storm Drainage Infrastructure	Ingram ISD	Project Planning
11-51-0000000121	Ingram ISD Improve Existing Storm Drainage Infrastructure	Ingram ISD	Project Planning
11-51-0000000122	Kerr County Center Point Storm Drainage Infrastructure Project Planning	Kerr (County)	Project Planning
11-51-0000000123	Kerr County Dam Integrity Study	Kerr (County)	Preparedness
11-51-0000000124	Kerr ISD Storm Drainage Infrastructure Project Planning	Kerrville ISD	Project Planning
11-51-0000000126	Travis County Voluntary Buyout Program Project Planning	Travis (County)	Project Planning
11-51-0000000127	Upper Guadalupe River Authority Evaluation of Water and Sediment Control Facilities	Upper Guadalupe River Authority	Watershed Planning
11-51-0000000128	Victoria County Planning and Development Standards Study	Victoria (County)	Watershed Planning
11-51-0000000129	Victoria County Drainage Improvements Study	Victoria (County)	Watershed Planning
11-51-0000000130	Victoria County FIRMs	Victoria (County)	Watershed Planning
11-51-0000000131	Victoria County Drainage Improvements around County EOC Project Planning	Victoria (County)	Project Planning
11-51-0000000132	Victoria County Bridge Improvements Project Planning	Victoria (County)	Project Planning
11-51-0000000133	Victoria County Voluntary Buyout Program Project Planning	Victoria (County)	Project Planning
11-51-0000000134	Wilson County Stormwater Management Plan	Wilson (County)	Watershed Planning
11-51-0000000135	Wilson County Low Water Crossing Improvements Project Planning	Wilson (County)	Project Planning
11-51-0000000136	Wilson County Voluntary Buyout Program Project Planning	Wilson (County)	Project Planning
11-51-0000000137	Blanco County Emergency Power Generators Project Planning	Blanco (County)	Project Planning
11-51-0000000139	Technical Study to Enhance Great Springs Project Regional Flood Mitigation	Edwards Aquifer Authority	Watershed Planning
11-51-0000000140	City of Victoria Waste Water Treatment Plant Protection Project	Victoria	Project Planning

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11-51-0000000142	City of San Marcos South LBJ Drive at Willow Springs Creek Project Planning	San Marcos	Project Planning
11-51-0000000143	Green DeWitt County Drainage District Cuero Levee Study	Dewitt County Drainage District 1	Project Planning
11-51-0000000144	City of New Braunfels Wood Road/Landa Street Drainage Improvement	New Braunfels	Project Planning
11-51-0000000145	Kendall County Guadalupe River Model Study	Kendall (County)	Watershed Planning
11-51-0000000146	Kendall County Stream Gauges and Flood Hazard Beacons	Kendall (County)	Preparedness
11-51-0000000147	City of Kerrville Spring Street Project	Kerrville	Project Planning
11-51-0000000148	City of Kerrville Clay Street Drainage and Kroc Center Detention Pond Spillway Improvements	Kerrville	Project Planning
11-51-0000000149	City of Kerrville Coronado Drive and Junction Highway Drainage Improvements	Kerrville	Project Planning
11-51-0000000150	City of New Braunfels River Road (Lakeview Blvd – Loop 337) Low Water Crossing Project Planning	New Braunfels	Project Planning
11-51-0000000152	Caldwell County Plum Creek Near US 183 and I-10 Intersection	Caldwell (County)	Project Planning
11-51-0000000153	Caldwell County FM 1322 @ Plum Creek	Caldwell (County)	Project Planning
11-51-0000000154	Caldwell County CR 146 @ Plum Creek	Caldwell (County)	Project Planning
11-51-0000000155	Caldwell County CR 230 @ Clear Fork Plum Creek	Caldwell (County)	Project Planning
11-51-0000000156	Caldwell County CR 159 @ Spanish Oak Creek	Caldwell (County)	Project Planning
11-51-0000000157	Caldwell County Cowpen Creek Near Dove Hill Drive	Caldwell (County)	Project Planning
11-51-0000000158	Caldwell County CR 221 and CR 233 @ Elm Creek	Caldwell (County)	Project Planning
11-51-0000000159	Caldwell County McMahan VFD @ Tenney Creek	Caldwell (County)	Project Planning
11-51-0000000160	Caldwell County Rolling Oaks @ Ebbon Road	Caldwell (County)	Project Planning
11-51-0000000161	Caldwell County Hemphill Creek Between SH 142 and SH 80	Caldwell (County)	Project Planning
11-51-0000000162	Caldwell County Dickerson Creek Near CR 111	Caldwell (County)	Project Planning
11-51-0000000163	Caldwell County CR 103 @ Morrison Creek	Caldwell (County)	Project Planning

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000164	Caldwell County FEWS	Caldwell (County)	Preparedness
11-51-0000000165	Caldwell County CR 208 @ Plum Creek	Caldwell (County)	Project Planning
11-51-0000000166	Caldwell County Mebane Creek Channel Improvements	Caldwell (County)	Project Planning
11-51-0000000167	Caldwell County Mebane Creek Floodwall	Caldwell (County)	Project Planning
11-51-0000000168	Caldwell County Town Branch Detention	Caldwell (County)	Project Planning
11-51-0000000169	City of San Marcos USACE Regional Flooding Mitigation Bypass Channel Project Planning	San Marcos	Project Planning
11-51-0000000170	Guadalupe County Drainage Master Plan	Guadalupe (County)	Watershed Planning
11-51-0000000171	City of San Marcos Drainage Master Plan	San Marcos	Watershed Planning
11-51-0000000172	City of San Marcos Atlas 14 H&H Model Updates	San Marcos	Watershed Planning
11-51-0000000173	Kendall County Drainage Master Plan	Kendall (County)	Watershed Planning
11-51-0000000174	City of San Marcos Gauges for Phase 2 of city-wide FEWS	San Marcos	Project Planning
11-51-0000000175	Comal County Drainage Master Plan	Comal (County)	Watershed Planning
11-51-0000000176	Goliad County Drainage Master Plan	Goliad (County)	Watershed Planning
11-51-0000000177	City of San Marcos Upper San Marcos Site 4 & 5 Dam Evaluations	San Marcos	Project Planning
11-51-0000000179	Kerr County Drainage Master Plan	Kerr (County)	Watershed Planning
11-51-0000000180	Hays County Drainage Master Plan	Hays (County)	Watershed Planning
11-51-0000000181	Caldwell County Assessment of Property Buyout Alternatives	Caldwell (County)	Project Planning
11-51-0000000182	City of Seguin Low Water Crossing Study for Ingress and Egress	Seguin	Watershed Planning
11-51-0000000183	City of Seguin Regional Drainage Master Plan	Seguin	Watershed Planning
11-51-0000000184	City of Seguin Regional Drainage Improvements Study	Seguin	Watershed Planning
11-51-0000000185	Comal County County-wide LWC Study	Comal (County)	Project Planning
11-51-0000000186	Bebbee Road	Kyle	Project Planning
11-51-0000000187	Bunton Lane LWC (County Road Bond)	Kyle	Project Planning
11-51-0000000188	Center Street Drainage	Kyle	Project Planning

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000189	Sledge / Scott Street Channel	Kyle	Project Planning
11-51-0000000190	Meyers Street Drainage	Kyle	Project Planning
11-51-0000000191	Roland Lane LWC (East)	Kyle	Project Planning
11-51-0000000192	Roland Lane LWC (West)	Kyle	Project Planning
11-51-0000000193	Isabel Lane Area	Kyle	Project Planning
11-51-0000000194	Sweet Gum Erosion 1	Kyle	Project Planning
11-51-0000000195	Sweet Gum Erosion 2	Kyle	Project Planning
11-51-0000000196	Quail Ridge Area	Kyle	Project Planning
11-51-0000000197	Upstream Floodplains	Kyle	
11-51-0000000198	Kelley Smith Lane	Kyle	Project Planning
11-51-0000000199	Kendall County Buyout Identification Study	Kendall (County)	Watershed Planning
11-51-0000000200	Abandoned Quarry Detention Feasibility Study	Kendall (County)	Project Planning
11-51-0000000201	Downtown Channels	Gonzales	Project Planning
11-51-0000000202	Town Creek Detention	Gonzales	Project Planning
11-51-0000000203	Highway 142 LWC at Hemphill Creek	Martindale	Project Planning
11-51-0000000204	City of San Marcos Upper San Marcos Sites 1, 2, & 3 Dam Evaluations	San Marcos	Project Planning
11-51-0000000205	Spring Branch LWC	Spring Branch	Project Planning
11-51-0000000206	Blanco County - Low Water Crossing Upgrades: Precinct 4	Blanco (County)	Project Planning
11-51-0000000207	Blanco County - Study Shelter Upgrades	Blanco (County)	Project Planning
11-51-0000000208	City of Blanco - Study Blanco Dam	Blanco	Project Planning
11-51-0000000209	City of Blanco - Structural Hardening of Critical Facilities	Blanco	Project Planning
11-51-0000000210	City of Blanco - Install Generator at Critical Facilities	Blanco	Project Planning
11-51-0000000211	City of Johnson City - Update and Implement City Drainage Plan	Johnson City	Watershed Planning
11-51-0000000212	City of Johnson City - Develop New/Update Floodplain Maps	Johnson City	Watershed Planning
11-51-0000000213	Blanco ISD - Acquire and Install Generators at all Critical Facilities	Blanco ISD	Project Planning
11-51-0000000214	Johnson City ISD - Acquire and Install Generators at all Critical Facilities	Johnson City ISD	Preparedness
11-51-0000000215	Blanco Pedernales Groundwater Conservation District - Acquire and Install Generators at all Critical Facilities	Blanco Pedernales Groundwater Conservation District	Preparedness
11-51-0000000216	Caldwell County - County-Wide Generator Acquisition and Installation	Caldwell (County)	Preparedness

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11-51-0000000217	Caldwell County - Studies for Dam Inundation Maps and Models	Caldwell (County)	Watershed Planning
11-51-0000000218	Caldwell County Emergency Service District #1 - Drainage and Utility Plan Development	Caldwell County Emergency Service District #1	Project Planning
11-51-0000000219	Caldwell County Emergency Service District #1 - Generator Acquisition and Installation	Caldwell County Emergency Service District #1	Preparedness
11-51-0000000220	Caldwell County Emergency Service District #4 - Generator Acquisition and Installation	Caldwell County Emergency Service District #4	Preparedness
11-51-0000000221	County Line SUD - Generator Acquisition and Installation	County Line SUD	Preparedness
11-51-0000000222	Lockhart ISD - Generator Acquisition and Installation	Lockhart ISD	Preparedness
11-51-0000000223	Luling ISD - Generator Acquisition and Installation	Luling ISD	Preparedness
11-51-0000000224	Martindale Water Supply Corporation - Generator Acquisition and Installation	Martindale Water Supply Corporation	Preparedness
11-51-0000000225	Plum Creek Conservation District - Generator Acquisition and Installation	Plum Creek Conservation District	Preparedness
11-51-0000000226	Comal County - Dam Evaluation and Improvement	Comal (County)	Project Planning
11-51-0000000227	City of Bulverde - Roadway Elevation	Bulverde	Project Planning
11-51-0000000228	City of Garden Ridge - Emergency Generator Installation	Garden Ridge	Preparedness
11-51-0000000229	City of New Braunfels - Bridge and Low Water Crossing Upgrades	New Braunfels	Project Planning
11-51-0000000230	City of New Braunfels - Low Water Crossing and Safety	New Braunfels	Project Planning
11-51-0000000231	DeWitt County - Generator Acquisition	De Witt (County)	Preparedness
11-51-0000000232	DeWitt County - Critical Facility Update	De Witt (County)	Project Planning
11-51-0000000233	City of Cuero - Debris Clearing Program	Cuero	Project Planning
11-51-0000000234	DeWitt County Drainage District - Debris Clearing Program	Dewitt County Drainage District 1	Project Planning
11-51-0000000235	DeWitt County Drainage District - Thomson Bridge Upgrades	Dewitt County Drainage District 1	Project Planning
11-51-0000000236	City of Flatonia - Generator Acquisition and Installation	Flatonia	Preparedness

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000237	Flatonia ISD - Generator Acquisition and Installation	Flatonia ISD	Preparedness
11-51-0000000238	City of Flatonia - Generator Acquisition and Installation	Flatonia	Preparedness
11-51-0000000239	Flatonia ISD - Generator Acquisition and Installation	Flatonia ISD	Preparedness
11-51-0000000240	Goliad County - Generator Acquisition	Goliad (County)	Preparedness
11-51-0000000241	Goliad County - Drainage Pump Station Improvement	Goliad (County)	Project Planning
11-51-0000000242	Goliad County - Check Valve Installation	Goliad (County)	Project Planning
11-51-0000000243	Goliad County - Portable Pumps Purchase	Goliad (County)	Preparedness
11-51-0000000244	Goliad County - Storm Drainage Infrastructure	Goliad (County)	Project Planning
11-51-0000000245	Goliad County - Generator Installation	Goliad (County)	Preparedness
11-51-0000000246	City of Goliad - Construct Storm Drainage Infrastructure	Goliad	Project Planning
11-51-0000000247	City of Goliad - Portable Pump Purchase	Goliad	Preparedness
11-51-0000000248	Goliad ISD - Storm Drainage Infrastructure Improvements	Goliad ISD	Project Planning
11-51-0000000249	Goliad County Groundwater Conservation District - Generator Installation	Goliad County Groundwater Conservation District	Preparedness
11-51-0000000250	Goliad County Groundwater Conservation District - Flood Infrastructure Improvements	Goliad County Groundwater Conservation District	Project Planning
11-51-0000000251	Goliad County Groundwater Conservation District - Storm Drainage Infrastructure	Goliad County Groundwater Conservation District	Project Planning
11-51-0000000252	City of Gonzales - Update Aging Infrastructure	Gonzales	Project Planning
11-51-0000000253	City of Gonzales - Generator Acquisition	Gonzales	Preparedness
11-51-0000000254	Guadalupe County - Emergency Generators	Guadalupe (County)	Preparedness
11-51-0000000255	Guadalupe County - Hardening of Critical Facilities	Guadalupe (County)	Project Planning
11-51-0000000256	Guadalupe County - Stream Restoration/Channelization	Guadalupe (County)	Project Planning

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000257	Guadalupe County - Relocation of Critical Facilities	Guadalupe (County)	Project Planning
11-51-0000000258	Guadalupe County - On-Site Retention Basin Program	Guadalupe (County)	Project Planning
11-51-0000000259	City of Cibolo - Stream Restoration/Channelization	Cibolo	Project Planning
11-51-0000000260	City of Seguin - Addition of Thick Vegetation Along River Banks	Seguin	Project Planning
11-51-0000000261	City of Seguin - Guadalupe Riverbank Stabilization at Max Starke Park	Seguin	Project Planning
11-51-0000000262	Hays County - Equipping Critical Buildings (beyond fire departments) with Back-up Generators	Hays (County)	Preparedness
11-51-0000000263	Hays County - Upgrade LWC at R.R. 967 and Little Bear Creek	Hays (County)	Project Planning
11-51-0000000264	Hays County - Acquisition or Elevation of Repetitive Loss Structures	Hays (County)	Project Planning
11-51-0000000265	City of Buda - Upgrade Drainage Channel Along West Goforth Rd, Buda Fire Station/FM 2770, and Bluff St Drainage Project Area	Buda	Project Planning
11-51-0000000266	City of Buda - Reduce Flood Losses in Oxbow Subdivision Drainage Project Area	Buda	Project Planning
11-51-0000000267	City of Buda - Implement Watershed Protection Pilot Project	Buda	Project Planning
11-51-0000000268	City of Buda - Garlic Creek Tributary CIP	Buda	Project Planning
11-51-0000000269	City of Buda - Garlic Creek Culvert CIP	Buda	Project Planning
11-51-0000000270	City of Buda - Sequoyah Drainage Improvements CIP	Buda	Project Planning
11-51-0000000271	City of Kyle - Installation of Generators for City Owned Facilities and Procedures for Providing Temporary Sheltering	Kyle	Preparedness
11-51-0000000272	City of Kyle - Update Master Drainage Plan	Kyle	Project Planning
11-51-0000000273	City of Umland - Generator Purchase and Installation for City Hall/Community Center	Umland	Preparedness
11-51-0000000274	City of Wimberley - Acquisition or Elevation of Repetitive Loss Properties	Wimberley	Project Planning

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11-51-0000000275	City of Bear Creek - Low Water Crossing Protection Plan	Bear Creek	Project Planning
11-51-0000000276	City of Bear Creek - Low water crossing mitigation	Bear Creek	Project Planning
11-51-0000000277	Texas State University, Hays ISD, Dripping Springs ISD, San Marcos Consolidated ISD, Wimberley ISD - Acquire and Install Generators at all Critical Facilities	Texas State University	Preparedness
11-51-0000000278	Texas State University, Hays ISD, Dripping Springs ISD, San Marcos Consolidated ISD, Wimberley ISD - Harden Facilities and Assets	Texas State University	Project Planning
11-51-0000000279	Texas State University, Hays ISD, Dripping Springs ISD, San Marcos Consolidated ISD, Wimberley ISD - Study Existing Shelter Needs and Modify and Upgrade as Necessary	Texas State University	Project Planning
11-51-0000000280	Texas State University - Update Campus Master Drainage Plan	Texas State University	Project Planning
11-51-0000000281	Karnes County - Provide generators to all critical and government facilities	Karnes (County)	Preparedness
11-51-0000000282	Karnes County - Low water crossing upgrades	Karnes (County)	Project Planning
11-51-0000000283	Karnes County - Early warning flood systems	Karnes (County)	Project Planning
11-51-0000000284	Karnes County - Inventory of residence in floodplain	Karnes (County)	Preparedness
11-51-0000000285	Karnes County - Harden Critical Facilities	Karnes (County)	Project Planning
11-51-0000000286	Karnes County - Improve bridge at CR 337	Karnes (County)	Project Planning
11-51-0000000287	Kendall County - Purchase and Place Generators	Kendall (County)	Preparedness
11-51-0000000288	Kerr County - Back-up Power Generators	Kerr (County)	Preparedness
11-51-0000000289	Kerr County - Harden Facilities	Kerr (County)	Project Planning
11-51-0000000290	Kerr County - Review Special Flood hazard Area Boundaries	Kerr (County)	Watershed Planning
11-51-0000000291	Lavaca County - Bridges and Culverts Upgrades and Improvements	Lavaca (County)	Project Planning
11-51-0000000292	Lavaca County - Generation Acquisition and Installation	Lavaca (County)	Preparedness

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000293	Victoria County - Stream Restoration	Victoria (County)	Project Planning
11-51-0000000294	Victoria County - Hardening Facilities	Victoria (County)	Project Planning
11-51-0000000295	Victoria County - Levee System Upgrades	Victoria (County)	Project Planning
11-51-0000000296	Victoria County - Construction of Critical Infrastructure	Victoria (County)	Project Planning
11-51-0000000297	City of Victoria - Generator Installation	Victoria	Preparedness
11-51-0000000298	City of Victoria - Hardening Facilities	Victoria	Project Planning
11-51-0000000299	City of Victoria - Flood Gates Upgrade	Victoria	Project Planning
11-51-0000000300	City of Victoria - Storm Water Lift Station	Victoria	Project Planning
11-51-0000000301	City of Victoria - Flood Gates Engineering Study	Victoria	Project Planning
11-51-0000000302	Victoria ISD - Generator Installation	Victoria ISD	Preparedness
11-51-0000000303	Wilson County - Erosion at CR 401 and Cibolo Creek	Wilson (County)	Project Planning
11-51-0000000304	Wilson County - Portable generators for repeaters	Wilson (County)	Preparedness
11-51-0000000305	Wilson County - Erosion at CR 202 East and Marcelina Creek	Wilson (County)	Project Planning
11-51-0000000306	Wilson County - Erosion at CR 128 Drainage channel Southeast of FM 775 intersection	Wilson (County)	Project Planning
11-51-0000000307	City of San Marcos - Sessom Creek Improvements	San Marcos	Project Planning
11-51-0000000308	City of San Marcos - Acquire and Install Generators at all Critical Facilities	San Marcos	Preparedness
11-51-0000000309	City of San Marcos - Project ID 43: Bypass Creek Improvements	San Marcos	Project Planning
11-51-0000000310	City of San Marcos - Project ID 684: Land Acquisition for future detention/WQ/ Flood storage:	San Marcos	Project Planning
11-51-0000000311	City of San Marcos - Project ID 731: Wallace Addition Offsite Drainage Improvements	San Marcos	Project Planning
11-51-0000000312	Guadalupe-Blanco River Authority (GBRA) - Harden/Retrofit Critical Communication Infrastructure	Guadalupe-Blanco River Authority	Project Planning
11-51-0000000313	Guadalupe-Blanco River Authority (GBRA) - Acquire a Fuel Cell	Guadalupe-Blanco River Authority	Preparedness

FME_ID	FME_NAME	SPONSOR	FME_TYPE
11-51-0000000314	Guadalupe-Blanco River Authority (GBRA) - Reduce Flooding at San Marcos WTP	Guadalupe-Blanco River Authority	Project Planning
11-51-0000000315	Guadalupe-Blanco River Authority (GBRA) - Stabilization of the River Bank	Guadalupe-Blanco River Authority	Project Planning
11-51-0000000316	Guadalupe-Blanco River Authority (GBRA) - Construct and/or Anchor New or Replacement Rental Cabins	Guadalupe-Blanco River Authority	Project Planning
11-51-0000000317	Guadalupe-Blanco River Authority (GBRA) - Purchase and Install Temporary Generators at Critical Facilities	Guadalupe-Blanco River Authority	Preparedness
11-51-0000000318	Guadalupe-Blanco River Authority (GBRA) - Harden/Retrofit Critical Facilities	Guadalupe-Blanco River Authority	Project Planning
11-51-0000000319	Guadalupe-Blanco River Authority (GBRA) - Repair/Upgrade the Flood Barriers Along Diversion Canals	Guadalupe-Blanco River Authority	Project Planning
11-51-0000000320	Guadalupe-Blanco River Authority (GBRA) - Access Facility Capacity to Staff/House Critical Personnel	Guadalupe-Blanco River Authority	Project Planning
11-51-0000000321	Guadalupe-Blanco River Authority (GBRA) - Install Roller Compacted Concrete Overtopping Protection	Guadalupe-Blanco River Authority	Project Planning
11-51-0000000322	Guadalupe-Blanco River Authority (GBRA) - Upgrade /Replace Spillway Flood Gates	Guadalupe-Blanco River Authority	Project Planning
11-51-0000000323	Guadalupe-Blanco River Authority (GBRA) - Develop Delta Model for Lower Basin Area	Guadalupe-Blanco River Authority	Watershed Planning
11-51-0000000324	Guadalupe-Blanco River Authority (GBRA) - Upgrade of Diversion Levees in Calhoun Canal System	Guadalupe-Blanco River Authority	Project Planning
11-51-0000000325	Cibolo Creek: Blanco Road Study/Bulverde, Specs Road(?) - Combined with Bexar County	Comal (County)	Project Planning
11-51-0000000326	Small drainage study of school - downstream drainage (middle and fourth street)	Flatonia	Project Planning

1

2 **Table 11: Potentially Feasible Flood Mitigation Projects**

FMP ID	Name	Sponsor	Project Type
11-52-0000000001	Blanco County Detention on the Blanco River	Blanco (County)	Dam
11-52-0000000006	City of Kyle Plum Creek Tributary 3 Arbor Knot Dr. Improvement	Kyle	Infrastructure
11-52-0000000007	City of Kyle Plum Creek Tributary 4 Sledge Rd. Improvement	Kyle	Infrastructure
11-52-0000000010	City of Kyle 65ft Channel Modification and Additional Culvert	Kyle	Infrastructure
11-52-0000000011	City of Kyle Plum Creek Detention Pond Upstream of IH35	Kyle	Detention Pond
11-52-0000000015	City of San Marcos Improve Flood Warning Systems	San Marcos	Preparedness
11-52-0000000026	City of San Marcos Purgatory Creek Channel Improvement	San Marcos	Channel
11-52-0000000027	City of San Marcos Sherwood/Kingwood Drainage Improvements	San Marcos	Infrastructure
11-52-0000000035	City of Seguin Guadalupe Street Automatic Flood Gates	Seguin	Preparedness
11-52-0000000036	City of Waelder Baldrige Creek Regional Detention Pond	Waelder	Comprehensive
11-52-0000000037	City of Waelder Baldrige Creek Channel and Culvert Improvement and Detention Pond	Waelder	Comprehensive
11-52-0000000039	City of Wimberley Wilson Creek Green Acres Dr. Improvement	Wimberley	Infrastructure
11-52-0000000040	City of Woodcreek Regional Detention South of Mountain Crest Drive	Woodcreek	Detention Pond
11-52-0000000041	City of Woodcreek Improvements to Brookside Drive Culvert Crossing	Woodcreek	LWC upgrade
11-52-0000000042	City of Woodcreek Brookhollow Drive Drainage Improvements	Woodcreek	LWC upgrade
11-52-0000000044	Comal County Regional Detention on Bear Creek	Comal (County)	Detention Pond
11-52-0000000047	Gonzales County Regional Detention on Peach Creek	Gonzales (County)	Detention Pond
11-52-0000000052	Kerr County Back-up Power Generators	Kerr (County)	Preparedness
11-52-0000000060	City of Victoria Back-up Power Generators	Victoria	Preparedness
11-52-0000000061	City of Buda Lifschutz Headwaters Voluntary Buyout	Buda	Property Acquisition
11-52-0000000062	City of Nixon Wastewater System Flood Improvements	Nixon	Comprehensive

FMP ID	Name	Sponsor	Project Type
11-52-0000000063	City of San Marcos Emergency Generators	San Marcos	Preparedness
11-52-0000000064	Victoria County Emergency Generators	Victoria (County)	Preparedness
11-52-0000000065	City of Seguin Regional Detention Southwest of Seguin City Limits Project	Seguin	Detention Pond
11-52-0000000066	City of Seguin Culvert Improvements at Guadalupe River Drive Project	Seguin	LWC upgrade
11-52-0000000067	City of Victoria Channel and Bridge Modifications on State Highway 87 Project	Victoria (County)	Comprehensive
11-52-0000000068	City of Victoria Detention Structure Located Upstream of State Highway 87 Project	Victoria (County)	Comprehensive
11-52-0000000069	Guadalupe County Detention on York Creek Project	Guadalupe (County)	Comprehensive
11-52-0000000070	Victoria County Nursery Road LWC	Victoria (County)	LWC upgrade
11-52-0000000071	Victoria County Parsons Road LWC	Victoria (County)	LWC upgrade
11-52-0000000072	Comal County River Road LWC	Comal (County)	LWC upgrade
11-52-0000000073	Kendall County Cypress Creek Detention	Kendall (County)	Detention Pond
11-52-0000000074	Caldwell County CR 141 @ Hines Branch	Caldwell (County)	LWC upgrade
11-52-0000000075	Caldwell County SH 80 Low Water Crossing Improvements @ Morrison Creek	Caldwell (County)	Comprehensive
11-52-0000000076	Caldwell County Salt Branch Drainage Improvements in Luling	Caldwell (County)	Comprehensive
11-52-0000000077	Caldwell County CR 233 and FM 2001 @ Plum Creek	Caldwell (County)	Comprehensive
11-52-0000000078	Caldwell County Plum Creek Channel Improvements Near CR 227	Caldwell (County)	Channel
11-52-0000000079	Caldwell County Hemphill Creek Drainage Improvements Near FM 1984	Caldwell (County)	Comprehensive
11-52-0000000080	Caldwell County US 183 @ Clear Fork Plum Creek	Caldwell (County)	Comprehensive
11-52-0000000081	Caldwell County Brushy Creek Channel Improvements Near Las Estancias II	Caldwell (County)	Channel
11-52-0000000082	Caldwell County Boggy Creek Channel Improvements Near SH 142	Caldwell (County)	Channel
11-52-0000000083	Caldwell County CR 218 @ Boggy Creek and Clear Fork Plum Creek	Caldwell (County)	LWC upgrade
11-52-0000000084	Caldwell County CR 227 @ Brushy Creek	Caldwell (County)	LWC upgrade
11-52-0000000085	City of Kerrville First Street Low Water Crossing	Kerrville	LWC upgrade

FMP ID	Name	Sponsor	Project Type
11-52-0000000086	City of Kerrville Fourth Street Low Water Crossing	Kerrville	LWC upgrade
11-52-0000000087	City of New Braunfels Nacogdoches and Faust Drainage Improvements	New Braunfels	Storm Drain
11-52-0000000088	City of New Braunfels Castell Avenue Phase 1 Drainage Improvements	New Braunfels	Storm Drain
11-52-0000000089	Kendall County Cypress Creek FEWS Siren System	Kendall (County)	Preparedness
11-52-0000000090	City of San Marcos McKie Street at Willow Springs Creek Improvements	San Marcos	LWC upgrade
11-52-0000000091	Edwards Aquifer Authority and San Marcos River Foundation Katz Recharge Conservation Easement	Edwards Aquifer Authority	Nature-Based Solutions
11-52-0000000092	Edwards Aquifer Authority and San Marcos River Foundation Peters Recharge Conservation Easement	Edwards Aquifer Authority	Nature-Based Solutions
11-52-0000000093	Edwards Aquifer Authority and San Marcos River Foundation Scull Crossing Flood Mitigation Conservation Easement	Edwards Aquifer Authority	Nature-Based Solutions
11-52-0000000094	Edwards Aquifer Authority and San Marcos River Foundation Berry Riparian Flood Mitigation Conservation Easement	Edwards Aquifer Authority	Nature-Based Solutions
11-52-0000000095	Edwards Aquifer Authority and San Marcos River Foundation Turner Riparian Flood Mitigation Conservation Easement	Edwards Aquifer Authority	Nature-Based Solutions
11-52-0000000096	Site 1: Blieders Creek Diversion	New Braunfels	Infrastructure
11-52-0000000097	Washington Street Drainage Improvements	Seguin	Storm Drain
11-52-0000000098	Walnut Branch Channel Modification	Seguin	Channel
11-52-0000000099	Tinsley Creek Bridge Projects	Gonzales	LWC upgrade
11-52-0000000100	Site 2: Dry Comal Creek Tributary 1/1A Pump Station and Diversion Pond	New Braunfels	Detention Pond
11-52-0000000101	Site 3: Alligator Creek Tributary 4 - Pond	New Braunfels	Detention Pond
11-52-0000000102	Site 4: Alligator Creek Tributary 6 - Pond	New Braunfels	Detention Pond
11-52-0000000103	Site 5: Blieders Creek SCS Dam #3 Storage Increase	New Braunfels	Detention Pond
11-52-0000000104	Site 6: Dry Comal River Dams	New Braunfels	Dam
11-52-0000000105	Site 7: Guadalupe Tributary 20 Diversion	New Braunfels	Channel
11-52-0000000106	Site 8: Dry Comal Tributary 4 Improvements	New Braunfels	Channel

FMP ID	Name	Sponsor	Project Type
11-52-0000000107	Goforth LWC	Kyle	LWC upgrade
11-52-0000000108	Live Oak Street Drainage	Kyle	Infrastructure
11-52-0000000109	Moreno Street and Jose Addition	Kyle	Infrastructure

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2
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1 **Table 12: Potentially Feasible Flood Mitigation Strategies**

FMS Type	General Description
Education and Outreach	Develops a coordinated education, outreach, and training program to inform and educate the public about the dangers of flooding, flood insurance, how to prevent flood damages to property, and training.
Flood Measurement and Warning	Develops early warning systems; installs gauges, barricades, signage and improvements to increase low-water crossing safety; creates or enhances evacuation plans; improves community preparedness.
Infrastructure Projects	Supports general city- and countywide programs to develop and implement flood-reduction projects.
Property Acquisition and Structural Elevation	Acquires, relocates, and/or elevates flood-prone structures. Acquires floodplain and protect environmentally sensitive areas by converting floodplain encroachments into open space land
Regulatory and Guidance	Reviews, updates, and enhances flood-damage prevention ordinances and development practices. Considers incorporating higher standards.
	Develops and adopts “green infrastructure” programs and incorporates regulatory standards to protect open space in flood-prone areas
	Joins the FEMA Cooperating Technical Partners (CTP) program to lower flood insurance rates for residents

2

3 In the 2023 RFP, the RFPG identified over 150 actions that were qualified as potentially feasible FMSs.
4 Many of the identified strategies were found in existing HMAPs and, it was noted, that there is a lot of
5 similarity in the strategies. All the strategies were able to be categorized as one of the five strategy types
6 identified in the TWDB Guidance Documents. For these reasons, the planning group decided to bundle
7 the individual strategies under five regional strategies. The main reasons for this decision were to make
8 each strategy inclusive of all communities within the region that choose to pursue them and to encourage
9 collaboration between sponsors, particularly neighboring communities.

10

11 Based on stakeholder feedback in the 2028 cycle, it appears most potential sponsors support this
12 methodology; however, many have requested that in addition to the regional FMSs, a list of those
13 individually identified actions be included in the 2028 RFP. Currently the RFPG is anticipating providing a
14 separate, supporting table within the RFP to list those actions but keeping the regional FMS
15 methodology in place. **Additionally, the RFPG may add a sixth regional FMS to specifically identify land**
16 **conservation and focus Property Acquisition and Structural Elevation on buyouts and elevation.**

Attachment 10: List of FMSs and FMPs Identified but Determined to be Infeasible

At this time, no identified FMSs or FMPs have been determined to be infeasible. The feasibility assessment will be performed through continuing efforts on Task 4A and Task 5.

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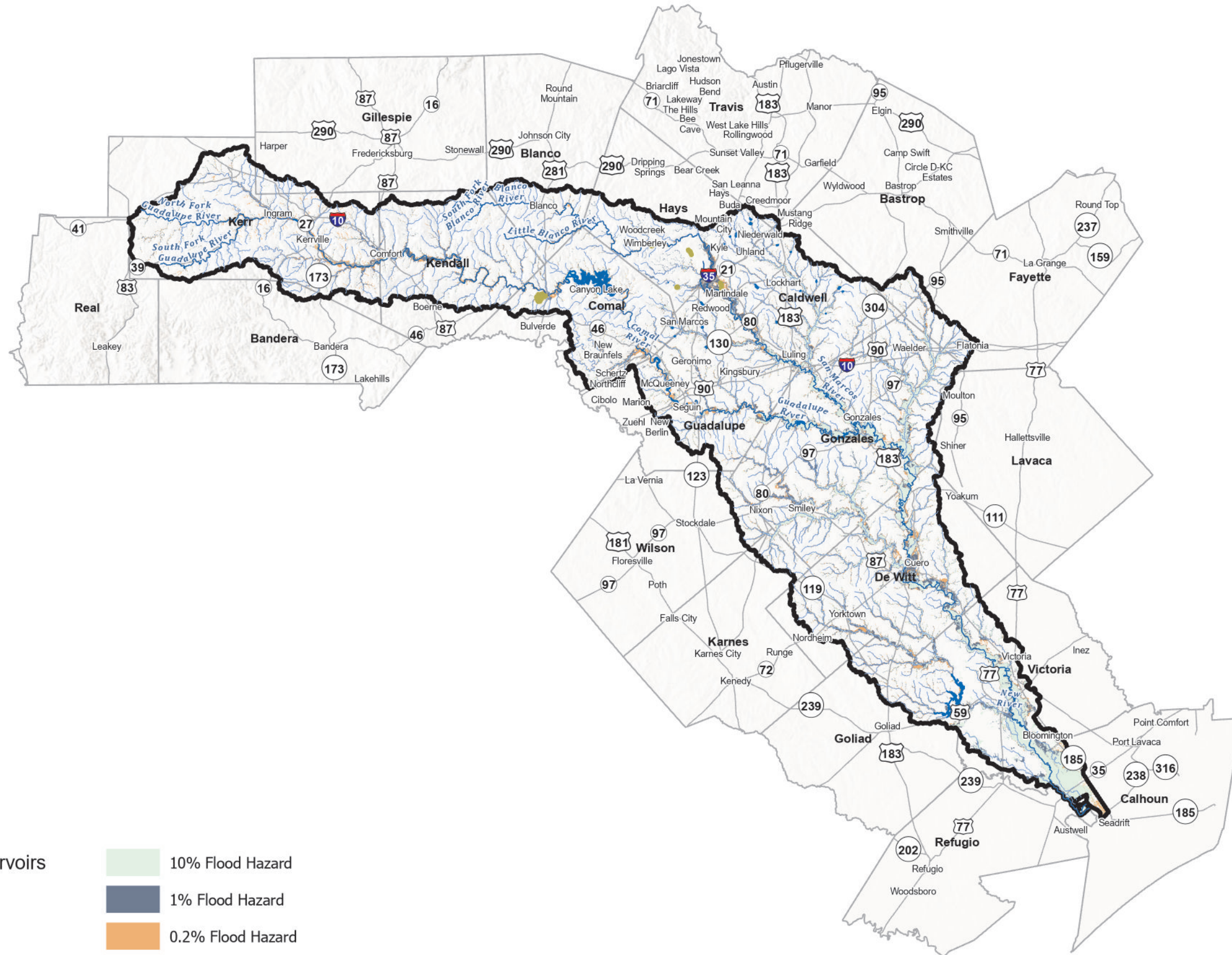
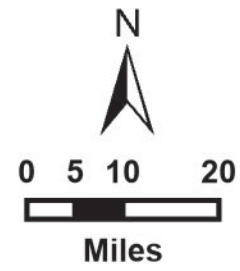
Appendix A: Existing Flood Risk

Map 4 – Existing Condition Flood Hazard

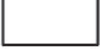
Map 5 – Existing Condition Flood Hazard – Gaps in Inundation Boundary Mapping and Identify known Flood Prone Areas

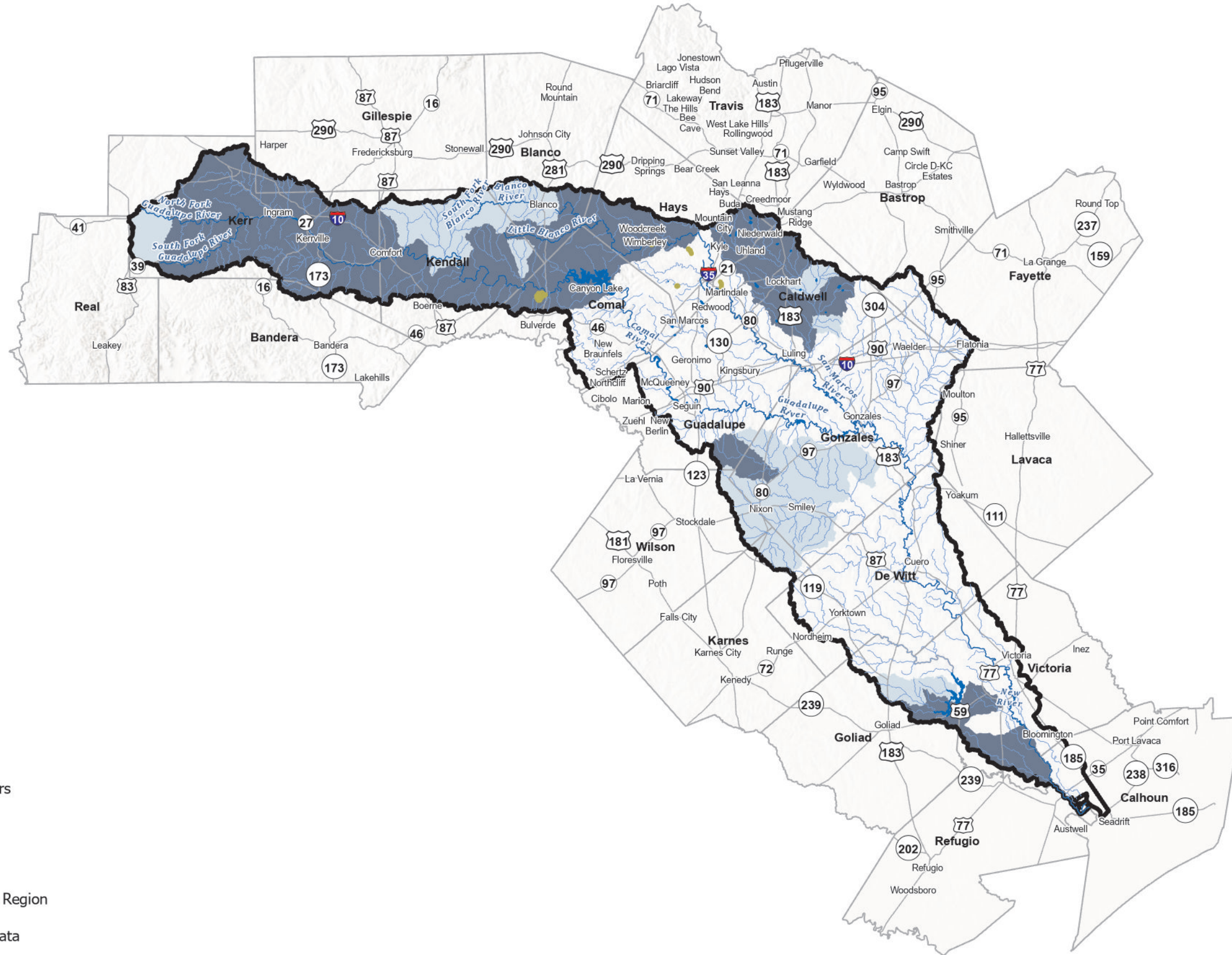
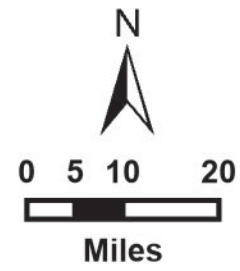
Map 6 – Existing Condition Flood Exposure

Map 7 – Existing Condition Vulnerability and Critical Infrastructure



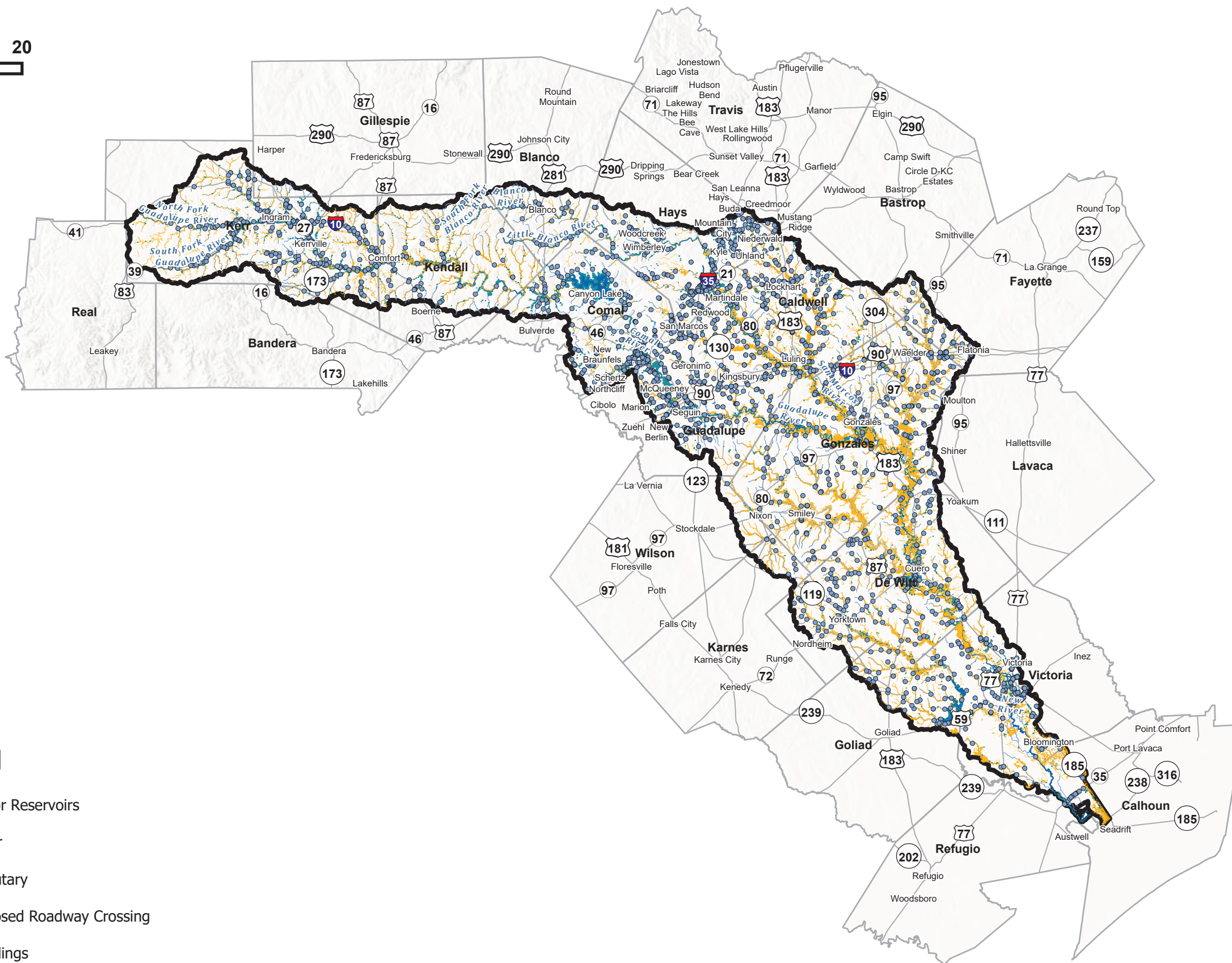
Legend

- | | | | |
|---|-----------------------|---|-------------------|
|  | Major Reservoirs |  | 10% Flood Hazard |
|  | River |  | 1% Flood Hazard |
|  | Tributary |  | 0.2% Flood Hazard |
|  | Flood Planning Region | | |
|  | Unknown Flood Hazard | | |

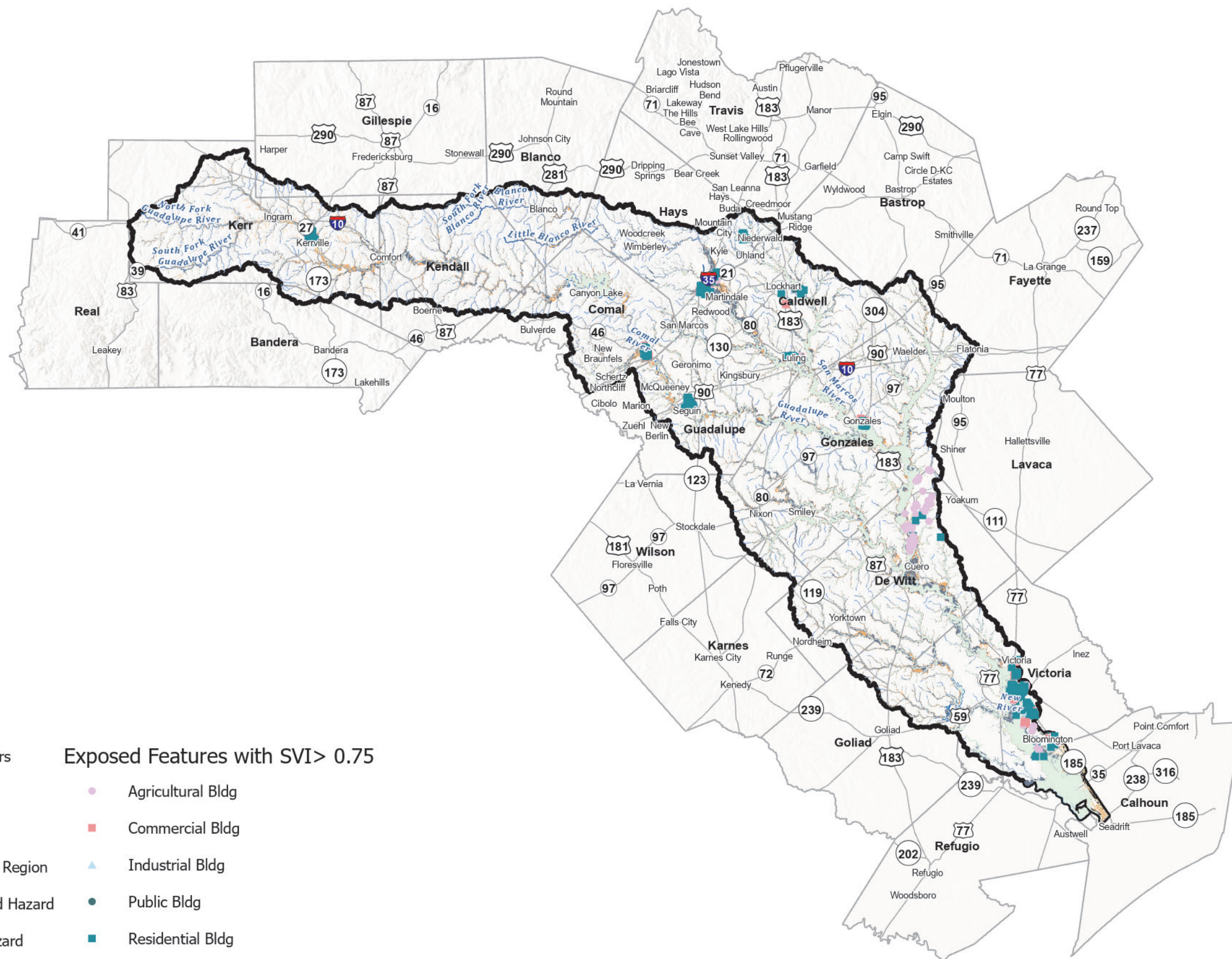


Legend

-  Major Reservoirs
-  River
-  Tributary
-  Flood Planning Region
-  Approximate Data
-  Areas with effective data more than 10 years old
-  Unknown Flood Hazard



- Major Reservoirs
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land
- Flood Planning Region



Major Reservoirs

River

Tributary

Flood Planning Region

Unknown Flood Hazard

10% Flood Hazard

1% Flood Hazard

0.2% Flood Hazard

- Agricultural Bldg
- Commercial Bldg
- ▲ Industrial Bldg
- Public Bldg
- Residential Bldg
- ▲ Vacant or Unknown Bldg

Appendix B: Future Flood Risk

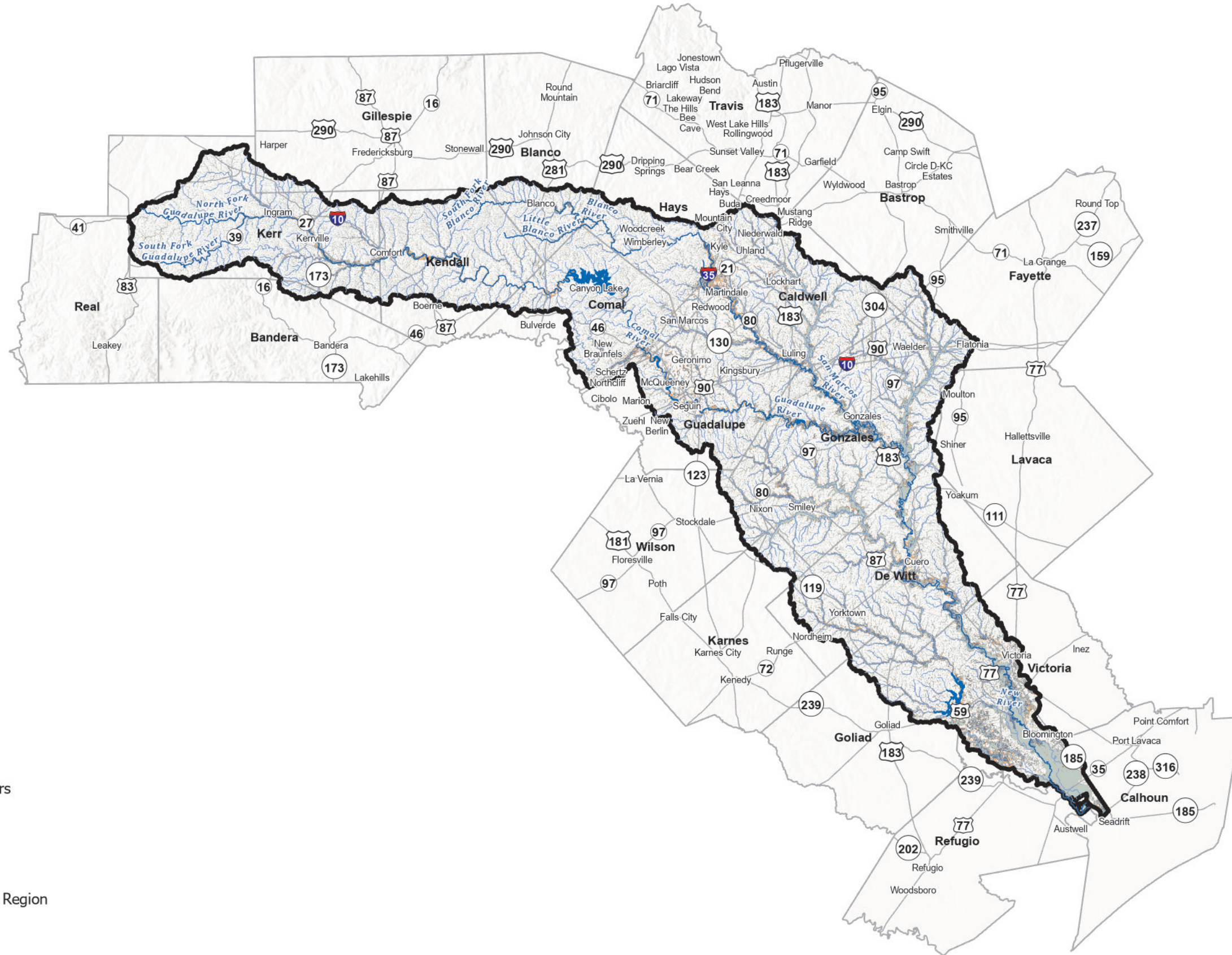
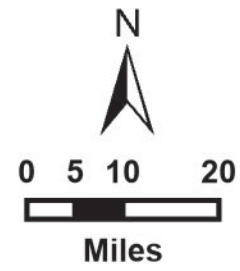
Map 8 – Future Condition Flood Hazard

Map 9 – Extent of Increase of Flood Hazard Compared to Existing Conditions

Map 10 – Future Condition Flood Hazard - Gaps in Inundation Boundary Mapping and Identify known Flood Prone Areas

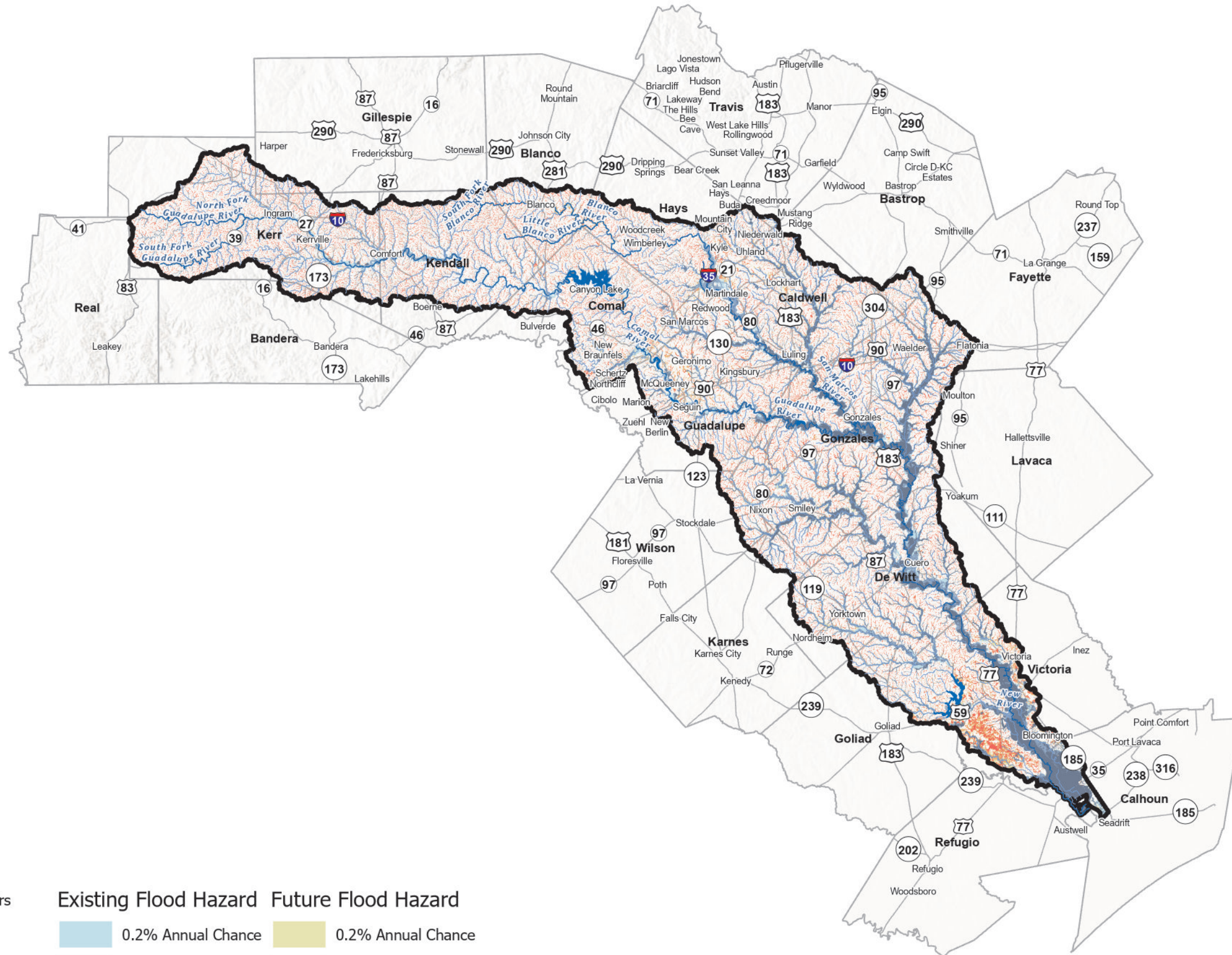
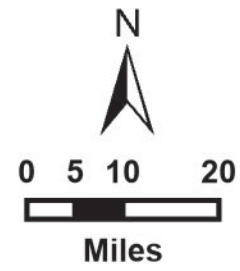
Map 11 – Future Condition Flood Exposure

Map 12 – Future Condition Vulnerability and Critical Infrastructure



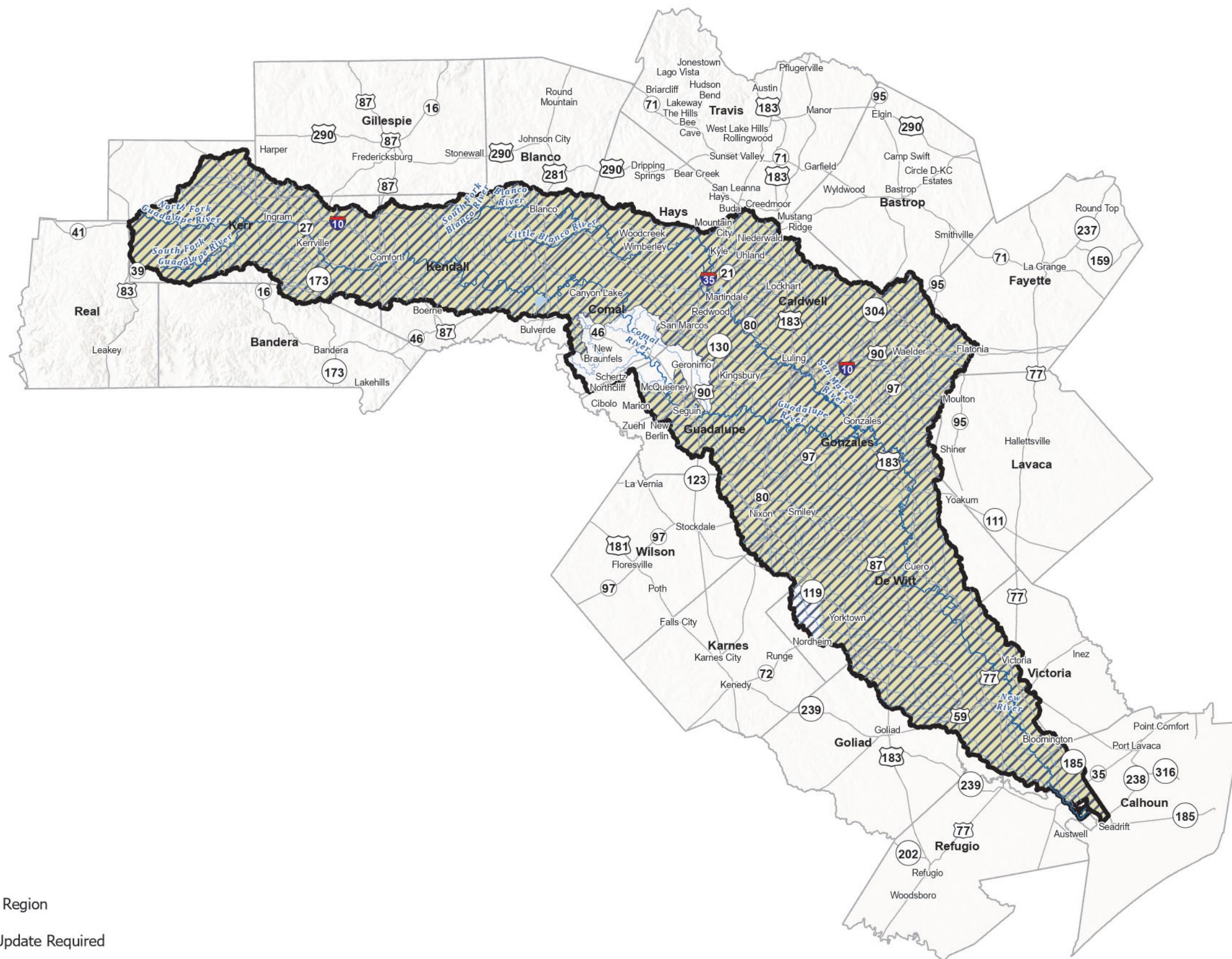
Legend

- Major Reservoirs
- River
- Tributary
- Flood Planning Region
- 0.2
- 1
- 10

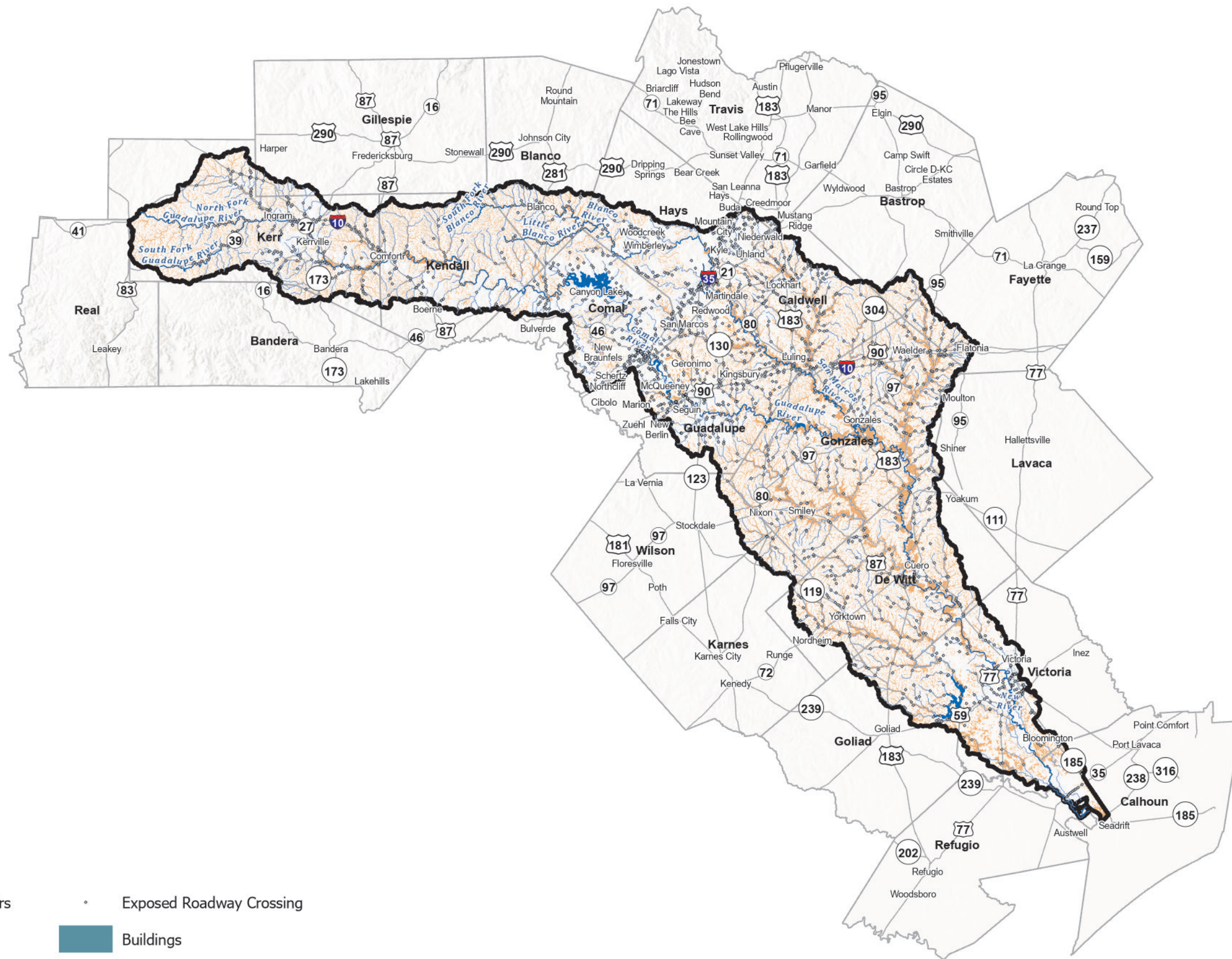


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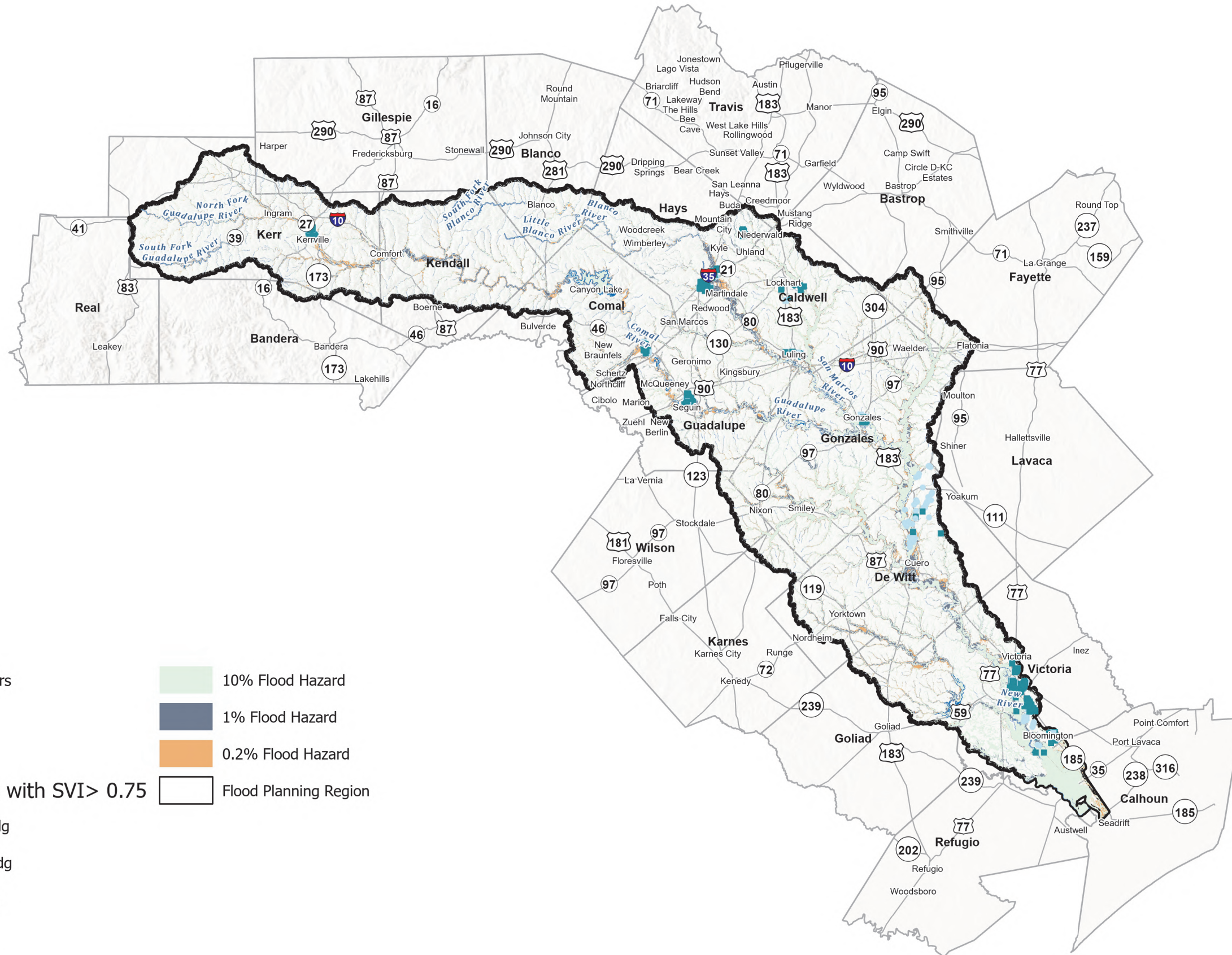
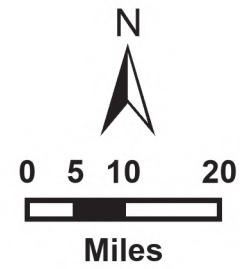
	Major Reservoirs	Existing Flood Hazard		Future Flood Hazard	
	River		0.2% Annual Chance		0.2% Annual Chance
	Tributary		1% Annual Chance		1% Annual Chance
	Flood Planning Region		10% Annual Chance		10% Annual Chance



- River
- Tributary
- Flood Planning Region
- Atlas 14 Data Update Required
- No Available Floodplain Data
- Unknown Flood Hazard



 Major Reservoirs Exposed Roadway Crossing
 River Buildings
 Tributary Agricultural Land
 Flood Planning Region



Legend

- | | | | |
|---|------------------|---|-----------------------|
|  | Major Reservoirs |  | 10% Flood Hazard |
|  | River |  | 1% Flood Hazard |
|  | Tributary |  | 0.2% Flood Hazard |
| Exposed Features with SVI > 0.75 | |  | Flood Planning Region |

-  Agricultural Bldg
-  Commercial Bldg
-  Industrial Bldg
-  Public Bldg
-  Residential Bldg
-  Vacant or Unknown Bldg

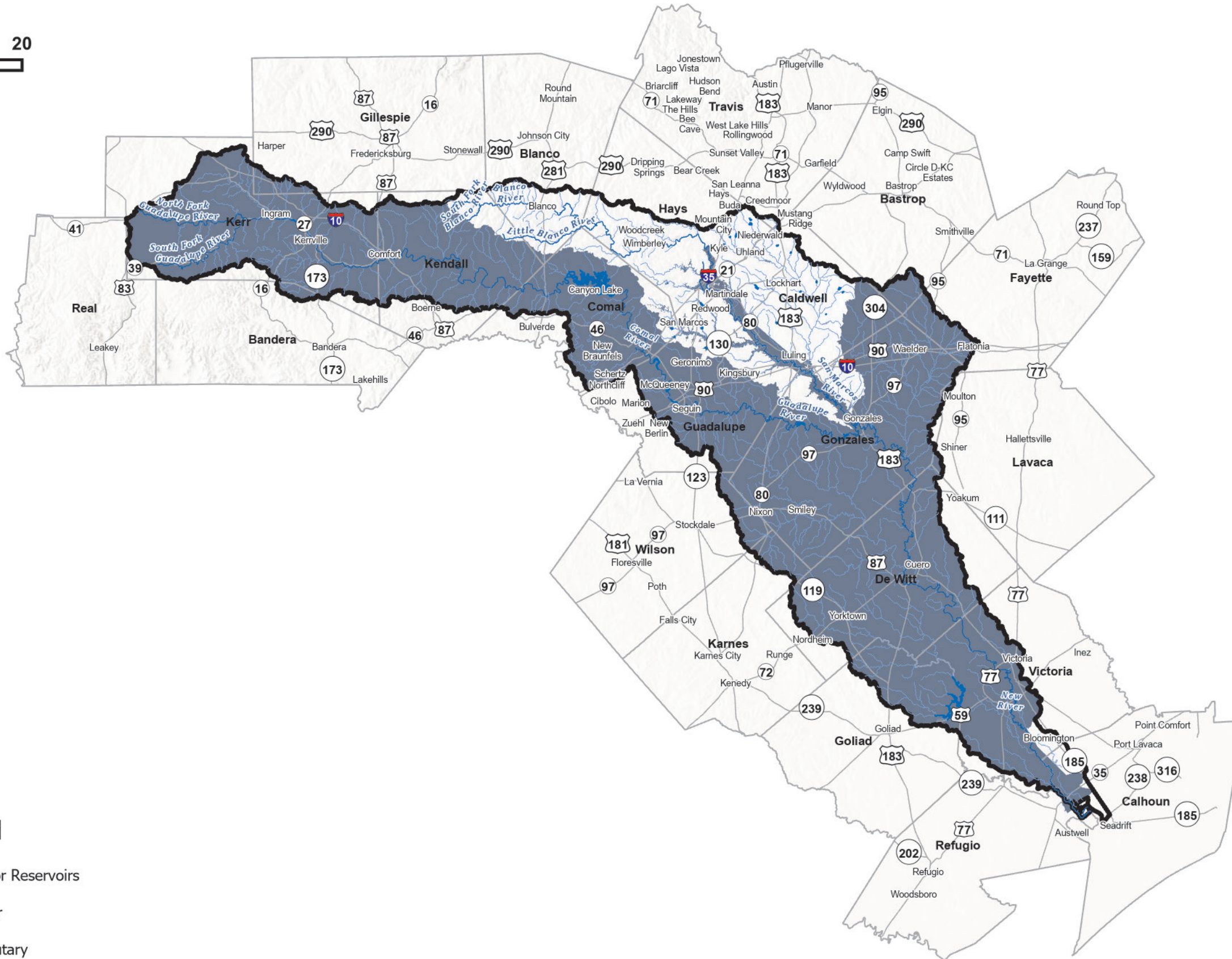
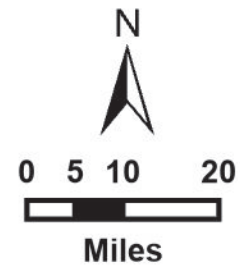
1 **Appendix C: Model Coverage**

2

3 **Map 14 – Model Coverage**

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Legend

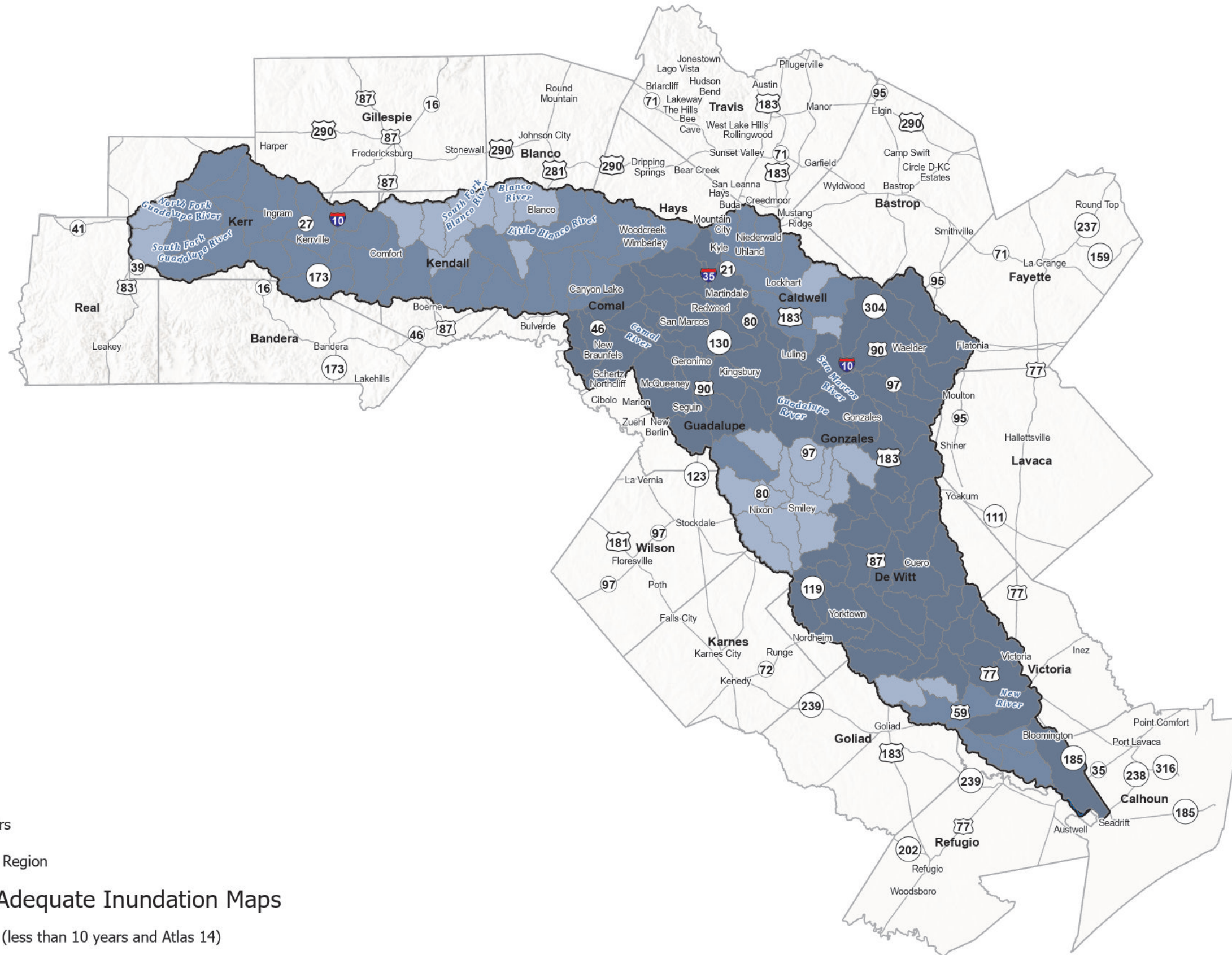
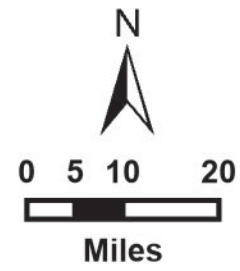
- Major Reservoirs
- River
- Tributary
- Flood Planning Region
- Model Coverage

Appendix D: Needs Assessment

Map 15 – Greatest Gaps in Flood Risk Information, is provided in Appendix

Map 16 – Greatest Flood Risk

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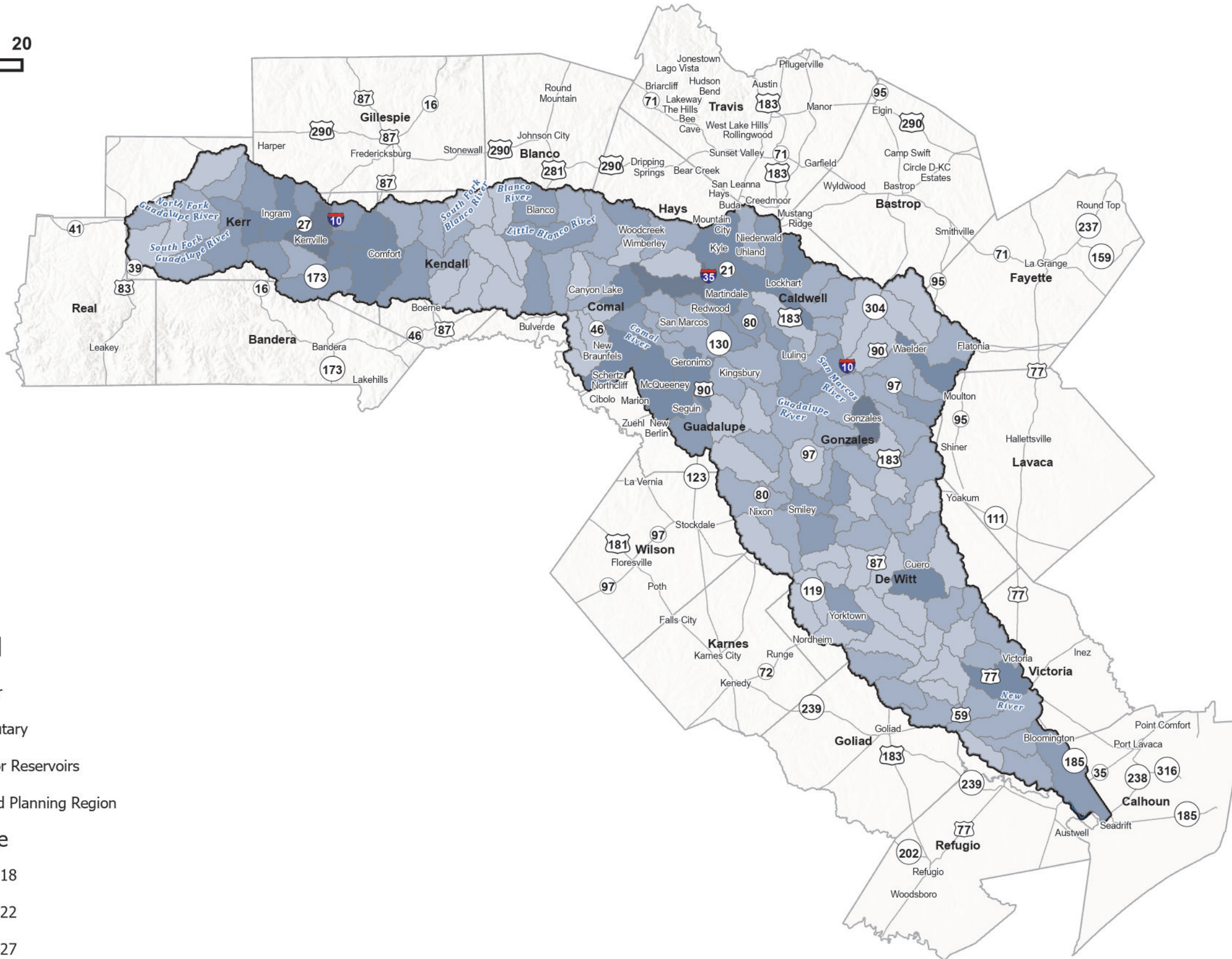
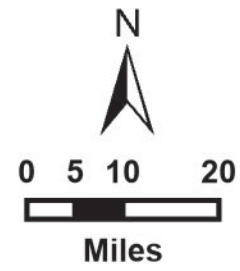


Legend

- River
- Tributary
- Major Reservoirs
- Flood Planning Region

Areas Without Adequate Inundation Maps

- Detailed Study (less than 10 years and Atlas 14)
- Detailed Study (more than 10 years and/or no Atlas 14)
- FEMA Zone A / 1D BLE



Legend

-  River
-  Tributary
-  Major Reservoirs
-  Flood Planning Region

Total Score

-  11 - 18
-  19 - 22
-  23 - 27
-  28 - 33
-  34 - 42

Appendix E: Select Exhibit C Tables

Exhibit C Table 11 – Goals

Exhibit C Table 12 – Potentially Feasible Flood Management Evaluations

Exhibit C Table 13 – Potentially Feasible Flood Mitigation Projects

Exhibit C table 14 – Potentially Feasible Flood Management Strategies

Note: TWDB revised the Technical Memorandum Checklist in the first week in November 2025 to indicate the **Exhibit C Tables 12, 13, and 14** could be used to satisfy the requirement for the “lists” of Potential FMXs presented in Attachment 9. The checklist also appears to indicate these have been added to the required submittal - these Tables are pulled out of the geodatabase which is also a required submittal. The tables will be produced and submitted with the memorandum – there was insufficient time to do so prior to release of the draft.

Table 11. Flood Mitigation and Floodplain Management Goals^a

Goal ID	Goal	Goal Theme ^a	Term of Goal	Target Year	Applicable To	Residual Risk	How will the Goal be Measured	Overarching Goal	Associated Goal IDs
11-20-0000000001	Improve safety beyond minimal signage at 50% of low water crossings through automatic flood gates and/or flood level passed	Roadway safety and early warning systems,	Short Term	2033	Flood planning region	50% of low water crossings have no change in flood risk	Number of low water crossings with safety improvements	Protect against loss of life and property (362.3.b.13-14)	11000002
11-20-0000000002	Improve safety beyond minimal signage at 90% of low water crossings through automatic flood gates and/or flood level passed	Roadway safety and early warning systems,	Long Term	2063	Flood planning region	10% of low water crossings have no change in flood risk	Number of low water crossings with safety improvements	Protect against loss of life and property (362.3.b.13-14)	11000001
11-20-0000000003	Consider and incorporate nature-based practices when acreage exceeds one acre (LID, green infrastructure, natural channel design) in 30% of Flood Mitigation Projects and Flood Management Strategies recommended in the Regional Flood Plan.	Nature-based solutions, green infrastructure, and preservation	Short Term	2033	Flood planning region	No change in flood risk; reduces impacts on the environment	Number of FMPs and FMSs implementing nature-based practices	Include strategies and projects that use nature-based features (362.3.b.17)	11000004
11-20-0000000004	Consider and incorporate nature-based practices when acreage exceeds one acre (LID, green infrastructure, natural channel design) in 50% of Flood Mitigation Projects and Flood Management Strategies recommended in the Regional Flood Plan.	Nature-based solutions, green infrastructure, and preservation	Long Term	2063	Flood planning region	No change in flood risk; reduces impacts on the environment	Number of FMPs and FMSs implementing nature-based practices	Include strategies and projects that use nature-based features (362.3.b.17)	11000003
11-20-0000000005	Increase NFIP participation/adoption of higher standards to 30% of communities. Communities = cities and counties	Floodplain Management	Short Term	2033	Flood planning region	Risk to existing structures does not increase due to better floodplain management practices; Annual flood risk to new construction in participating communities will be <1%	Number of entities participating in NFIP; number of entities with equivalent standards	Protect against loss of life and property (362.3.b.13-14)	11000006
11-20-0000000006	Increase NFIP participation/adoption of higher standards to 60% of communities	Floodplain Management	Long Term	2063	Flood planning region	Risk to existing structures does not increase due to better floodplain management practices; Annual flood risk to new construction across the region will be <1%	Number of entities participating in NFIP; number of entities with equivalent standards	Protect against loss of life and property (362.3.b.13-14)	11000005
11-20-0000000007	Increase high growth community CRS participation to 50% of all high growth communities. High growth communities – cities and counties with a population greater than 10,000 people in 2030	Floodplain Management	Short Term	2033	Flood planning region	Risk to existing structures does not increase due to better floodplain management practices; Annual flood risk to new construction in participating communities will be <1%	Number of entities participating in CRS.	Protect against loss of life and property (362.3.b.13-14)	11000008
11-20-0000000008	Increase high growth community CRS participation to 75% of all high growth communities. High growth communities – cities and counties with a population greater than 10,000 people in 2030	Floodplain Management	Long Term	2063	Flood planning region	Risk to existing structures does not increase due to better floodplain management practices; Annual flood risk to new construction in participating communities will be <1%	Number of entities participating in CRS.	Protect against loss of life and property (362.3.b.13-14)	11000007
11-20-0000000009	Reduce number of vulnerable buildings/structures/critical facilities within the 1% existing flood hazard layer by 20%.	Infrastructure assessment, maintenance, and rehabilitation	Short Term	2033	Flood planning region	80% of identified structures will have an annual risk of flooding of >1%;	Number of structures removed from existing flood hazard layer	Protect against loss of life and property (362.3.b.13-14)	11000010
11-20-0000000010	Reduce number of vulnerable buildings/structures/critical facilities within the 1% existing flood hazard layer by 50%.	Infrastructure assessment, maintenance, and rehabilitation	Long Term	2063	Flood planning region	50% of identified structures will have an annual risk of flooding of >1%;	Number of structures removed from existing flood hazard layer	Protect against loss of life and property (362.3.b.13-14)	11000009
11-20-0000000011	Increase percentage of communities with dedicated funding sources for operations & maintenance of storm drainage system to 35% of communities.	Funding	Short Term	2033	Flood planning region	Entities without dedicated funding have no change in flood risk; entities with new funding sources have reduced risk as stormwater O&M and capital projects are implemented	Number of entities with dedicated funding sources for stormwater operations and maintenance	Protect against loss of life and property (362.3.b.13-14)	11000012
11-20-0000000012	Increase percentage of communities with dedicated funding sources for operations & maintenance of storm drainage system to 60% of communities	Funding	Long Term	2063	Flood planning region	Entities without dedicated funding have no change in flood risk; entities with new funding sources have reduced risk as stormwater O&M and capital projects are implemented	Number of entities with dedicated funding sources for stormwater operations and maintenance	Protect against loss of life and property (362.3.b.13-14)	11000011

^a This table contains examples of regional flood mitigation and floodplain management goals and does not reflect any TWDB recommended goals based on real data. The goals are included to reflect reporting requirements. The RFPs are expected to deliberate and gather data necessary to establish goals for their region.

^b If multiple goal themes, list as comma delineated list as shown in first example.



Technical Consultant Update

- **Task Updates**
- **Discussion and Possible Action**
 - Task 4B – Technical Memorandum
 - Task 3C – Floodplain Management Goals
 - Task 4C/5B – FMEs to be Performed by RFPG/TWDB
- **Public Comments received**
- **Look Ahead**

A wide-angle photograph of a marshy landscape. The foreground and middle ground are filled with shallow water reflecting the sky, interspersed with patches of green reeds and marsh grasses. The horizon is flat and distant under a cloudy sky. The entire image has a light blue overlay.

Task Updates

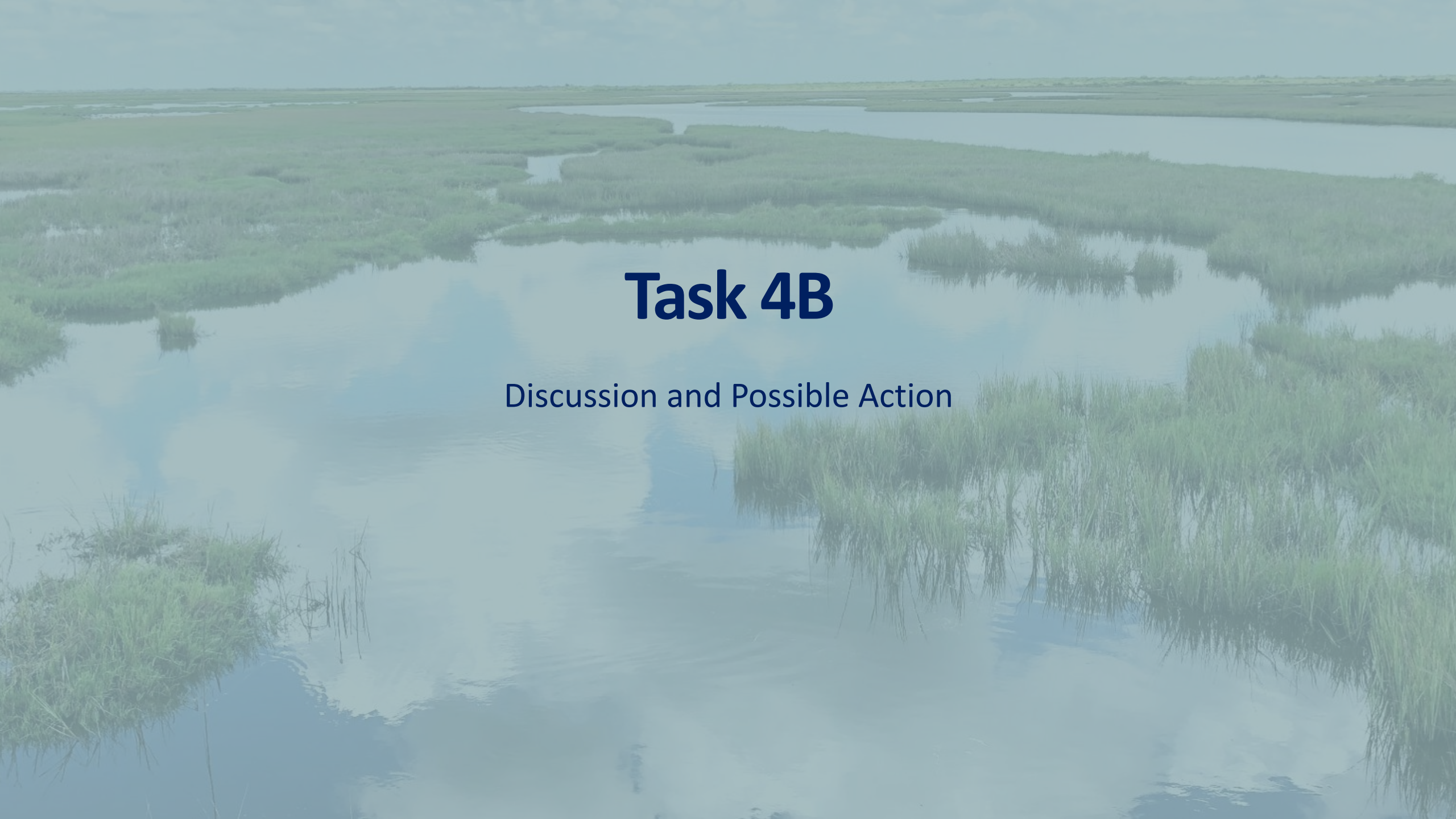


Task 1
Outreach
Updates



Task 3A: Evaluation/Recommendations on Floodplain Mgmt Practices

- **Distributed to RFPG Members for Comment**
 - Limited Response
 - Group had multiple open seats
- **Major Comment (to-date)**
 - Asked to revisit RFPG decision to adopt or recommend minimum standards
 - “Communities shall” vs “Communities are encouraged”
- **Recommendation**
 - Redistribute for comments/discussion in early 2026
 - Not required for Technical Memorandum
 - Decision in Q1 2026 as it will impact screening/recommendation for FMXs

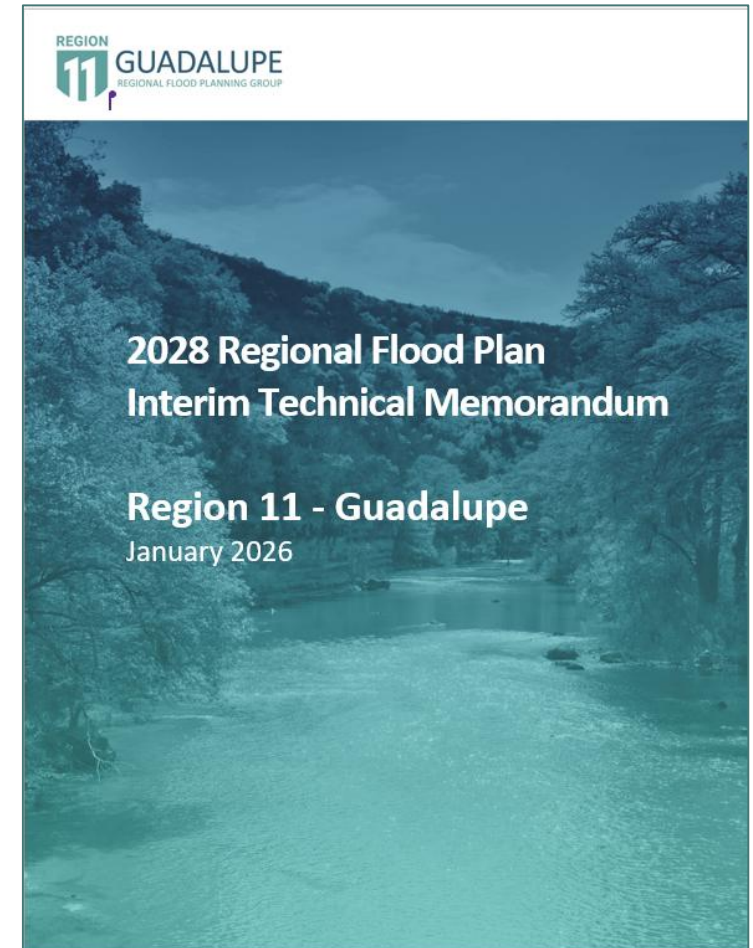
A wide-angle photograph of a marshy landscape. The foreground and middle ground are filled with shallow water reflecting the sky, interspersed with patches of green reeds and marsh grasses. The horizon is flat and distant under a cloudy sky. The entire image has a semi-transparent blue overlay.

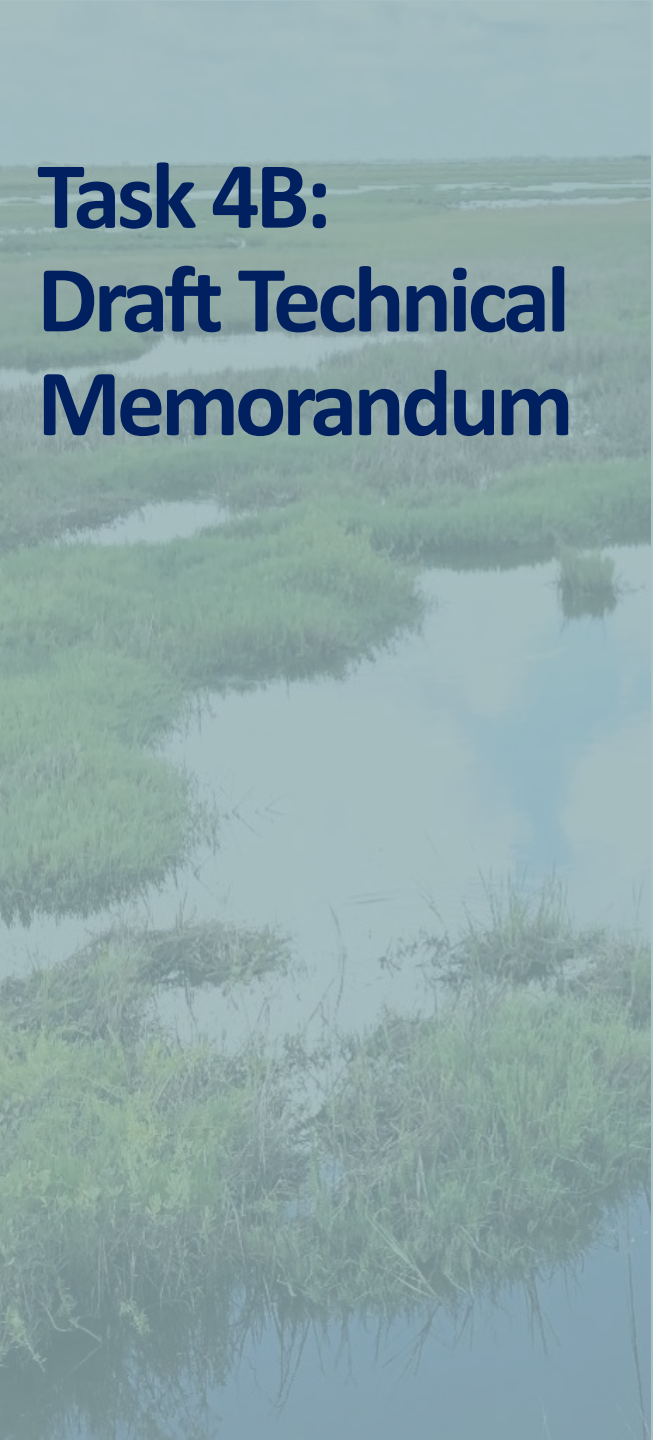
Task 4B

Discussion and Possible Action

Task 4B: Draft Technical Memorandum

- **Lists of:**
 - Political subdivisions with flood-related authority
 - Previous/ongoing flood studies
 - Available flood models
- **Other:**
 - Flood Mitigation and Management Goals (separate item)
 - Documented Process to identify Potential FMXs
 - Lists of Potentially Feasible (and non-) FMXs
 - Geodatabase and Maps





Task 4B: Draft Technical Memorandum

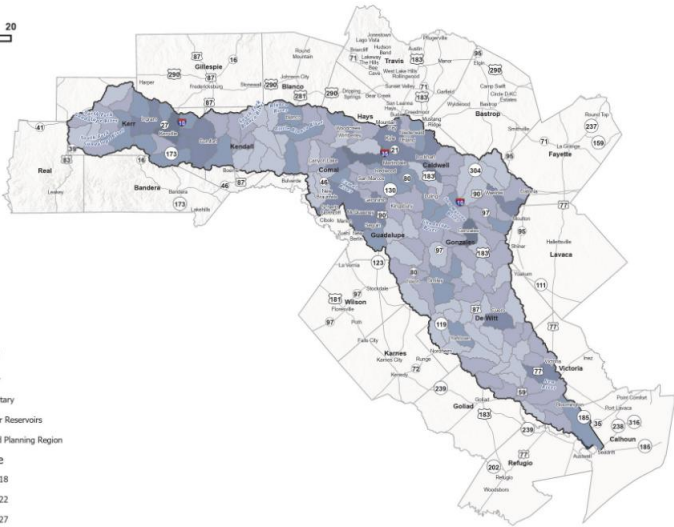
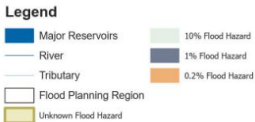
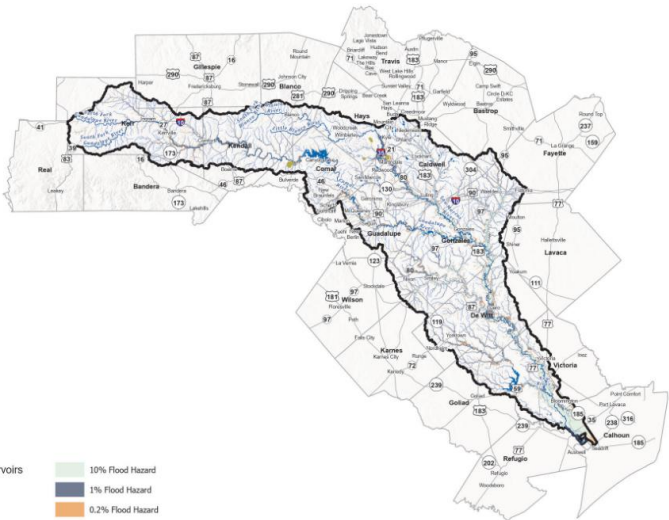
- **Memorandum**
 - Interim Submittal
 - Demonstrate progress towards compiling the necessary technical information and analyses
 - Basis for Chapters 1-4 of the 2028 RFP
 - Includes submittal of the interim geodatabase
- **Discussion:**
 - Final QC and adjustments to TM and GDB
 - Finalize Goals (next item)
 - RFPG comments
- **Action Item**

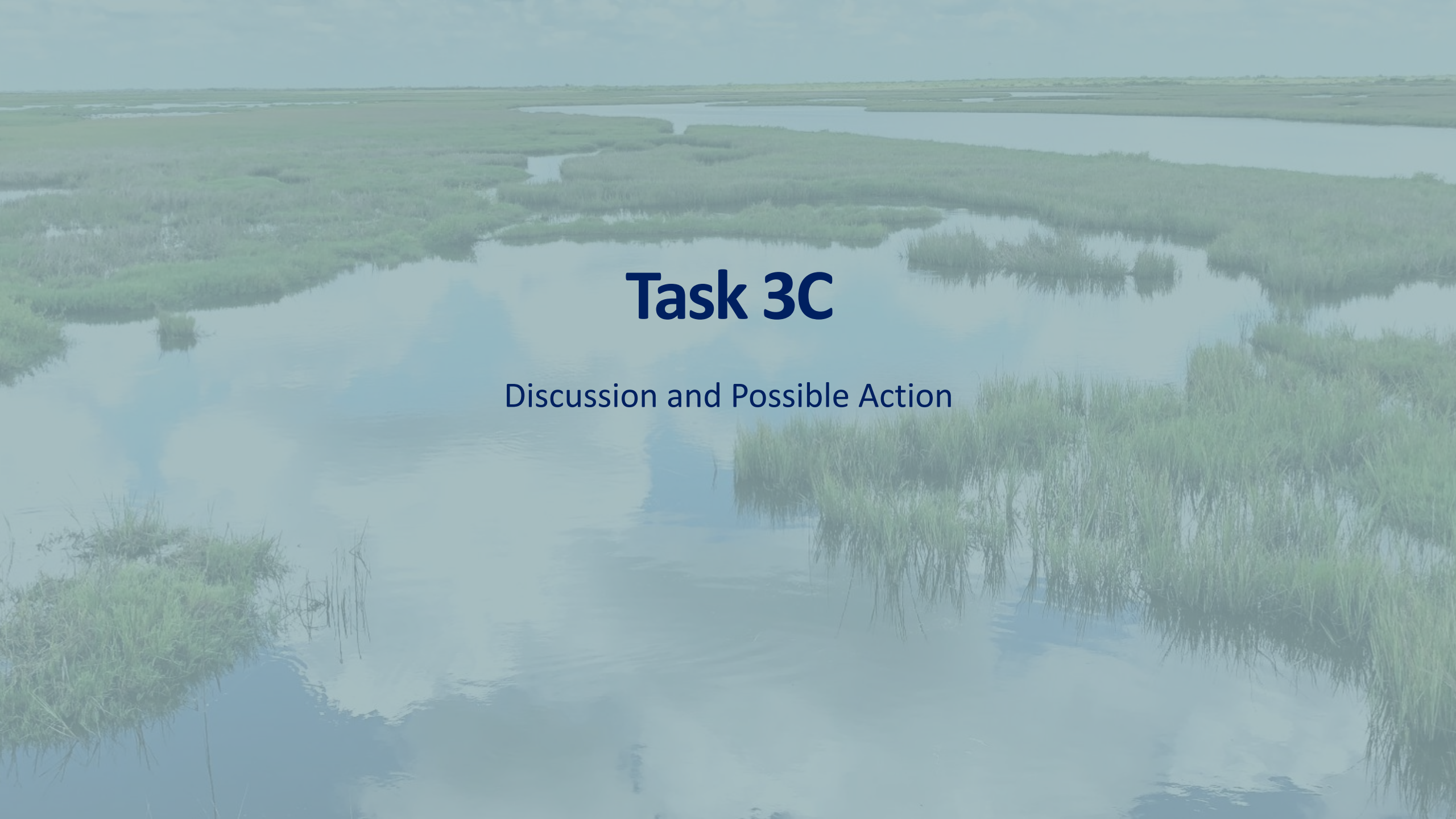
Task 4B:

Draft Technical Memorandum

2028 Regional Flood Plan Interim Technical Memorandum

Region 11 - Guadalupe
January 2026



A wide-angle photograph of a marshy landscape. The foreground and middle ground are filled with shallow water reflecting the sky, interspersed with patches of green reeds and marsh grass. The horizon is flat and distant under a cloudy sky. The entire image has a semi-transparent blue overlay.

Task 3C

Discussion and Possible Action

Task 3C: Flood Mitigation and Floodplain Management Goals

- **Distributed to RFPG Members for Comment**

- Limited Response
- Group had multiple open seats

- **Items to Resolve**

- Define or Change “high growth communities” for measurement
- Percent entity in R11 to count towards status/progress (discussed but no action)

- **Comments**

- See following slides

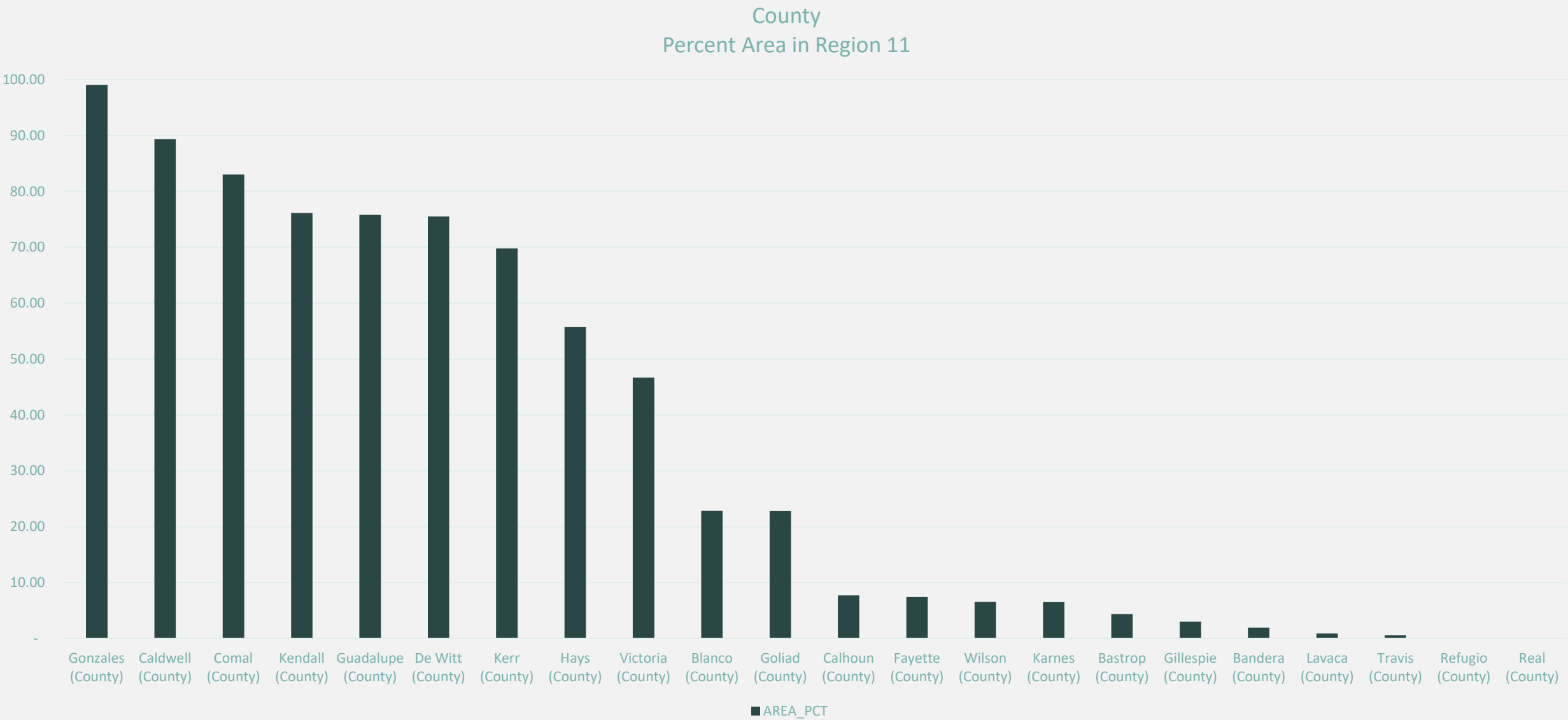
Task 3C: Flood Mitigation and Floodplain Management Goals

Short-term goal (10-years)	Long-term goal (30-years)	Comments Received
Improve safety beyond minimal signage at 35% of low water crossings through automatic flood warning gates and/or flood level passed.	Improve safety beyond minimal signage at 90% of low water crossings through automatic flood warning gates and/or flood level passed.	None
Consider incorporating nature-based practices when acreage exceeds one acre (LID, green infrastructure, natural channel design) in 30% of Flood Mitigation Projects and Flood Management Strategies recommended in the Regional Flood Plan.	Consider incorporating nature-based practices when acreage exceeds one acre (LID, green infrastructure, natural channel design) in 100% of Flood Mitigation Projects and Flood Management Strategies recommended in the Regional Flood Plan.	Determine “consider” through Sponsor outreach (accepted). Work with Sponsors to determine if/how NBS could be incorporated into FMPs. (acceptable as part of outreach?) Prioritize projects that include NBS. <i>Note: part of TWDB scoring.</i>

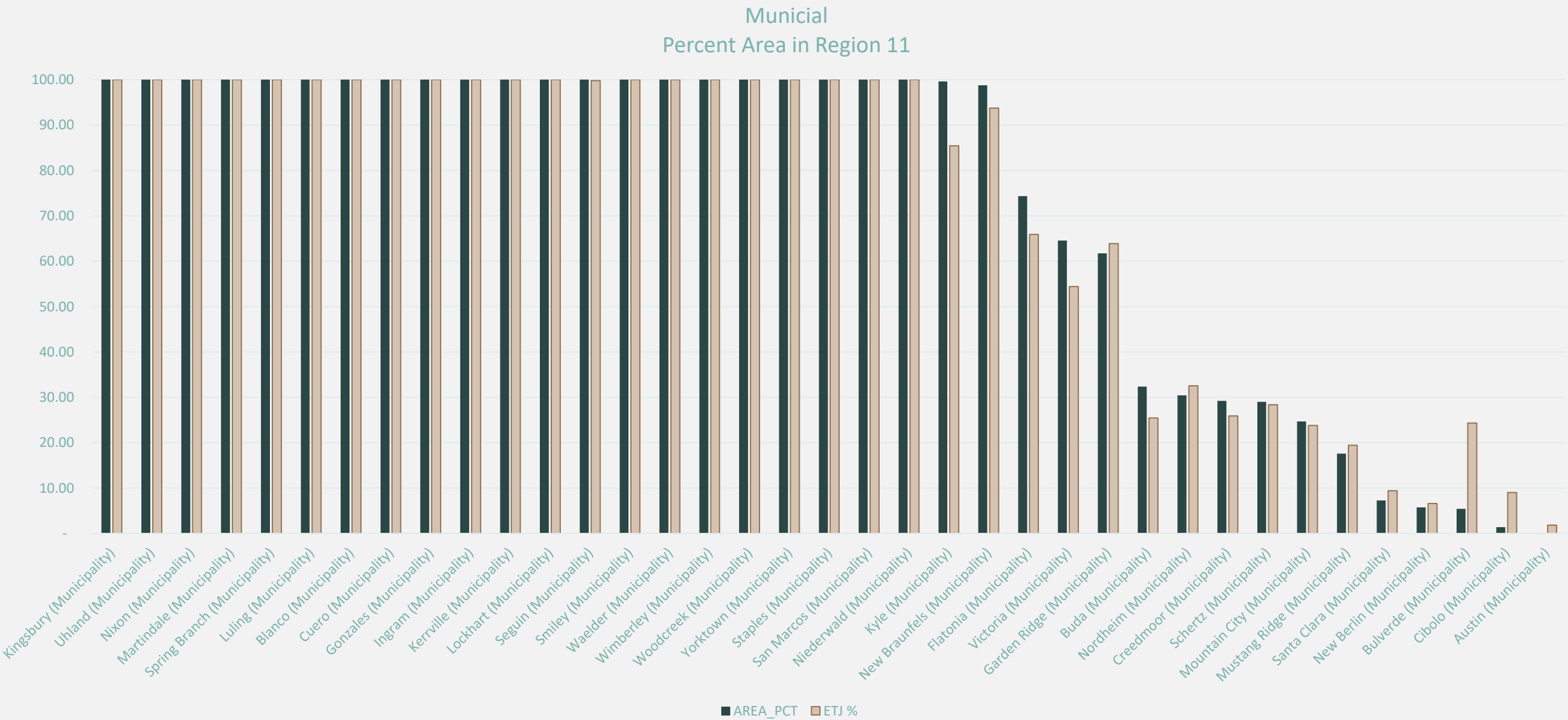
Task 3C: Flood Mitigation and Floodplain Management Goals

Short-term goal (10-years)	Long-term goal (30-years)	Comments Received
Increase adoption of higher standards to 30% of communities in high growth counties .	Increase adoption of higher standards to 70% of communities in high growth counties.	Discussed 50% threshold to consider for status/progress measures (no action taken) Discussed “high growth” (no action) Comment: do not support changing threshold based on size of community (i.e. exclude small). Lots of resources.
Increase high growth community CRS participation to 50% of all high growth communities .	Increase high growth community CRS participation to 75% of all high growth communities.	“High growth” discussed (no action) Threshold for status/progress calculations Comment: do not support changing threshold based on size of community (i.e. exclude small). Lots of resources. Comment: Add goal for CRS participants to increase rating

County Area in Region 11 (Percentage)



Municipal Area in Region 11 (Percentage)

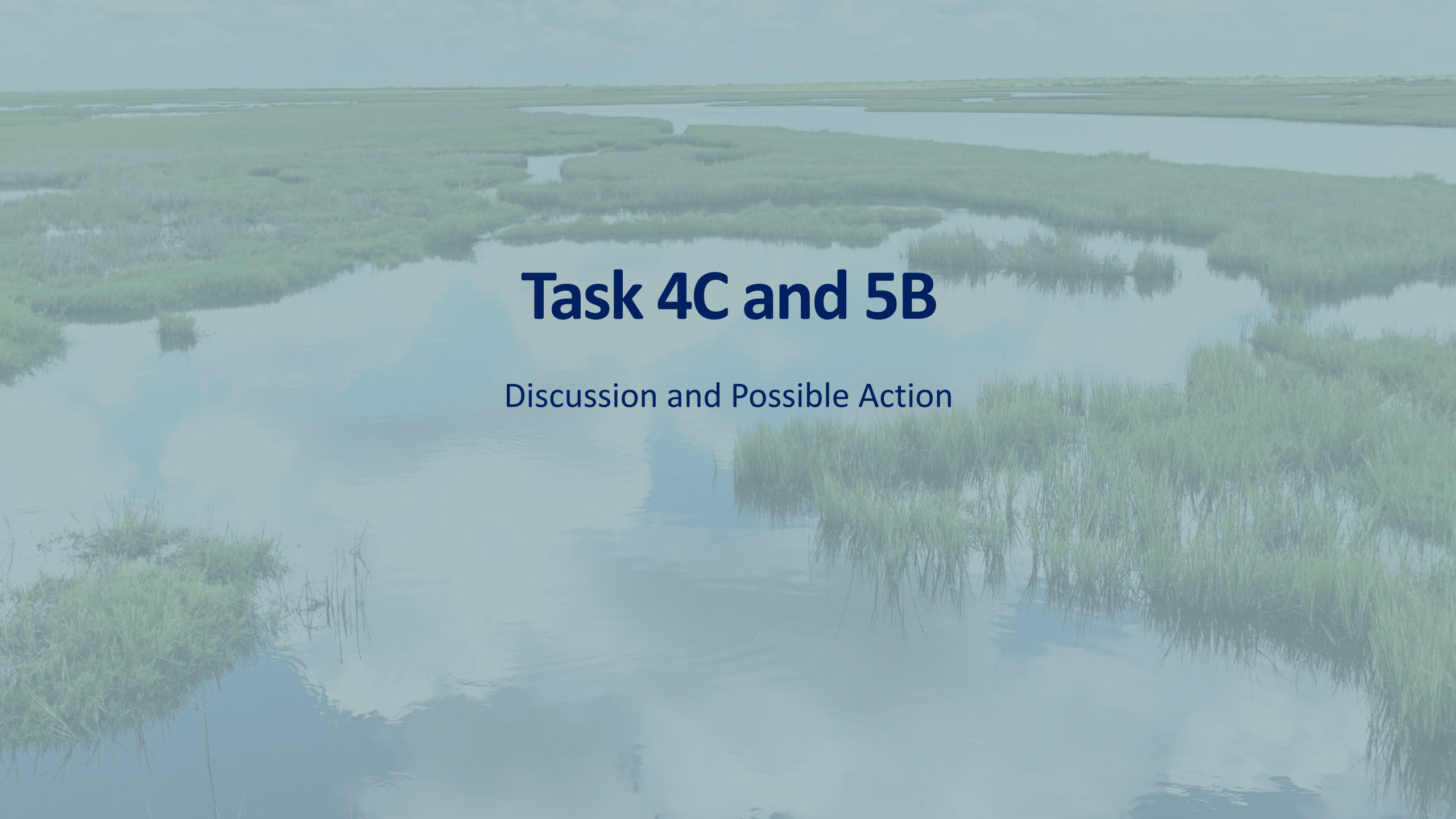


Task 3C: Flood Mitigation and Floodplain Management Goals

Short-term goal (10-years)	Long-term goal (30-years)	Current Status
Reduce number of vulnerable buildings/structures/critical facilities within the 1% existing flood hazard layer by 20% .	Reduce number of vulnerable buildings/structures/critical facilities within the 1% existing flood hazard layer by 50% .	No comments
Increase percentage of communities with dedicated funding sources for operations & maintenance and implementation of storm drainage systems to 35% of communities.	Increase percentage of communities with dedicated funding sources for operations & maintenance and implementation of storm drainage system to 60% of communities	Discuss threshold for status/progress measurement (no action)

Task 3C: Flood Mitigation and Floodplain Management Goals

- **Threshold for percentage of entity within R11 boundaries**
 - Does not exclude from RFP
 - Establish more accurate baseline and future measures of progress
- **“High Growth” Community / County**
 - Define it, change it
- **CRS participation**
 - High growth areas
 - define/change
 - Threshold for community size
 - Add/Modify goal for existing Participants to Increase Rating



Task 4C and 5B

Discussion and Possible Action

Tasks 4C/5B: FME to FMP Advancement Criteria

TWDB Provides Funding for FMEs to Generate FMPs Two Ways:

- Within RFPG/TC contract (about \$500k total)
- TWDB FME consultant contract
 - 2028 RFP limited to two highest rated by RFPG
 - \$20M/Region, 5-year cycles
 - First two to be done in 9 months

Two Major Categories for FME Evaluation [Qualifiers]

- Within RFPG/TC contract - **less than \$150k** for individual study
 - \$150k limit recommended to be able to raise as many FMEs to FMPs as possible
- TWDB FME consultant contract - **\$150k to \$500k** for individual study
 - \$500k limit set to limit the time required
- Same Process with Two Starting Pools

Tasks 4C/5B: FME to FMP Advancement Criteria

Within RFPG contract

- 85 FMEs qualify for RFPG contract (based on < \$150k)
- Classified into three categories based on project type
 - Specific
 - Non-specific
 - Storm drain/non-structural
- Project type used as a screener
 - Specific projects selected all others excluded (reduced to 47 FMEs)
 - Increases probability that FME turns into FMP {reduce flood risk}
- Storm drain FMEs require time and expense not afforded by schedule
- Non-structural projects less likely to result in FMPs

Tasks 4C/5B: FME to FMP Advancement Criteria

Within RFPG contract

Examples of project descriptions for each category:

Specific—Evaluate projects to mitigate residential flooding on Dickerson Creek with consideration of influence from San Marcos River

Non-specific—Project planning to upgrade infrastructure at low water crossings to provide unimpeded access during 100-year base flood event to facilitate evacuation and response by emergency vehicles

Storm drain/non-structural—Conduct study for the development and implementation of county wide planning & development standards, sub-division rules, infrastructure rules and building / construction codes.

Tasks 4C/5B: FME to FMP Advancement Criteria

Within RFPG contract

Five categories of project scoring selected using data from FME submission:

- Cost (\$) per individual based on total population at risk of flooding (i.e. in the 100-yr floodplain)
Total cost of study ÷ by the estimated population at risk of flooding (Range of values: \$3.32 - \$50,000)
- Number of structures at flood risk (i.e. in the 100-yr floodplain)
Range of values: 0 – 22,831
- Whether the project is rural or non-rural based on rural/non-rural status of sponsor.
- Number of critical facilities within 100-yr floodplain
Range of values: 0 – 127
- Number of low water crossings
Range of values: 0 – 467

Tasks 4C/5B: FME to FMP Advancement Criteria

Within RFPG contract: Normalized scoring:

- Determined outliers using a statistical test—if value was more than 1 standard deviation from the mean it was an outlier.
- Calculated minimum and maximum values for each criteria excluding the outliers.
- Straight line normalization between the adjusted minimum and maximum values.
- Values above adjusted maximum were assigned the maximum value.
- Zero values received 0 score.

Tasks 4C/5B: FME to FMP Advancement Criteria

Within RFPG contract

Scoring of each category:

- Cost (\$) per estimated individual at risk of flooding Range of values: 0 to 3
3 assigned to least \$
0 assigned to outliers at max \$\$\$
- Number of structures at flood risk Range of values: 0 (min) to 3 (max)
- Whether the project is rural or non-rural based on FME criteria Rural = 3, Non-rural = 1
- Number of critical facilities Range of values: 0 (min) to 3 (max)
- Number of low water crossings Range of values: 0 (min) to 3 (max)

Tasks 4C/5B: FME to FMP Advancement Criteria

Determining Weighting Factors

Score Row against Column
3 = criteria is of greater importance
2 = criteria is of equal importance
1 = criteria is less important

Calculation of Criterion Weight:

$$Weight = \frac{Individual\ Score}{Sum\ of\ all\ Scores}$$

Example Calculation of Criterion Weight:

$$Weight\ (Structures\ at\ Risk) = \frac{8}{40} \times 70\% = 0.1400$$

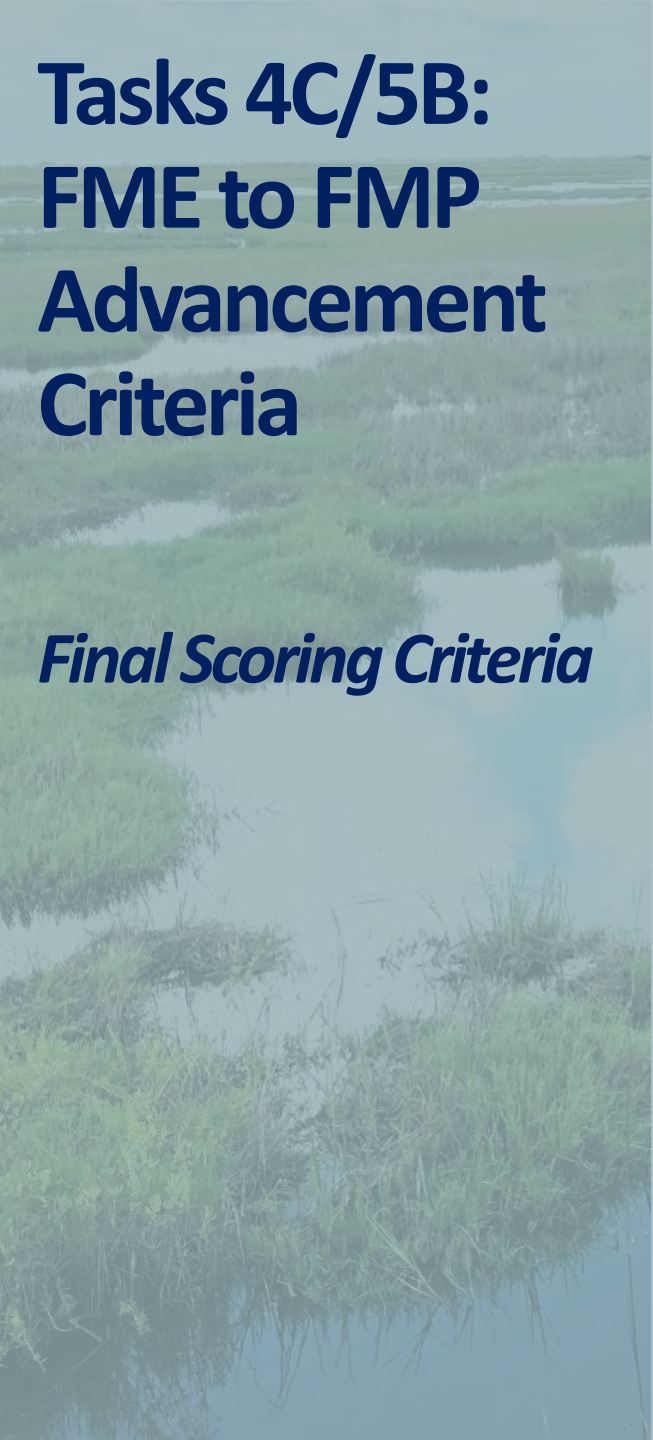
Criteria	\$/Est. Pop. @ Risk	Structures @ Risk	Rural/Non-Rural	Critical Facilities	No. of Low Water Crossings	Sum	Rank	Weight
\$/Est. Pop. @ Risk		3	3	1	3	10	1	0.1750
Structures @ Risk	1		3	1	3	8	2	0.1400
Rural/Non-Rural	1	1		1	2	5	4	0.0875
Critical Facilities	3	3	3		1	10	1	0.1750
No. of LWCs	1	1	3	3		7	3	0.1225

RFPG can make **recommendations** to adjust the individual scores in this table.

Tasks 4C/5B: FME to FMP Advancement Criteria

Within RFPG contract- Recommendations for further consideration by RFPG:

- Split FME listings into Upper and Lower classification
 - Potential to use Canyon Lake as a general dividing line
 - FMEs for Upper basin cities and counties score lower
 - Allows for RFPG to target FMEs in area hit hardest by July 4th floods
- Adjust cost threshold to increase number of FMEs completed
- Multiple FMEs for single sponsor
 - Allow sponsor to determine which single FME is completed



Tasks 4C/5B: FME to FMP Advancement Criteria

Final Scoring Criteria

RFPG can make **recommendations** to adjust scoring

Criteria	Weighting
\$/Est. Pop. @ Risk	17.5%
Structures at flood risk	14.0%
Rural/Non-Rural	8.75%
Critical facilities	17.5%
low water crossings	12.25%
RFPG Importance	30.0%
Total	100%

30% reserved for flexibility to lift or lower projects based on RFPG priorities

Tasks 4C/5B: FME to FMP Advancement Criteria

TWDB FME consultant contract

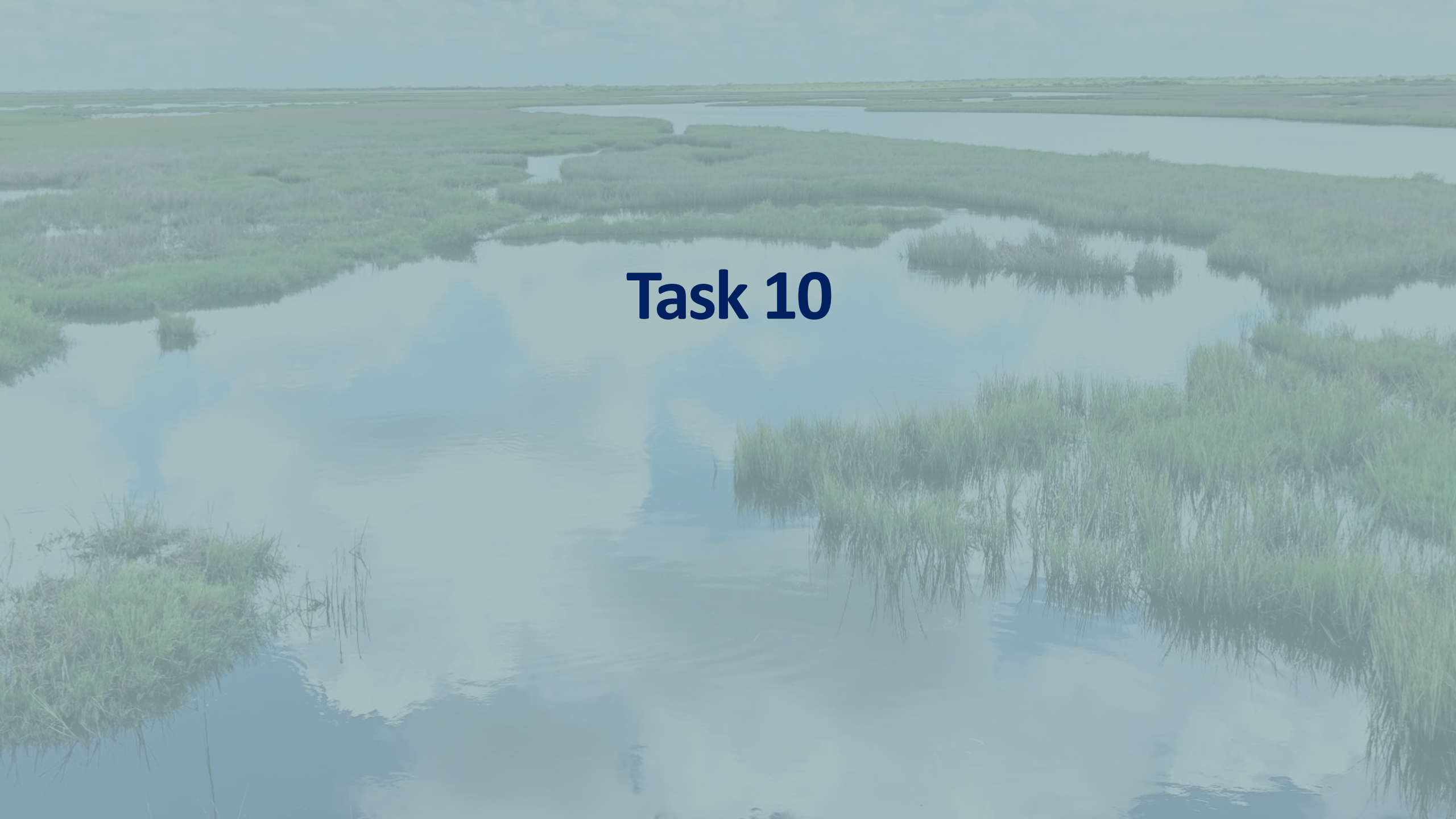
Must be top two rated by RFPG:

- Recommendation to use the same scoring/process with adjustments
- Remove screening criteria for specific, non-specific, urban storm drain/non-structural
- Filter FME to those less than \$500k and not selected by RFPG for analysis

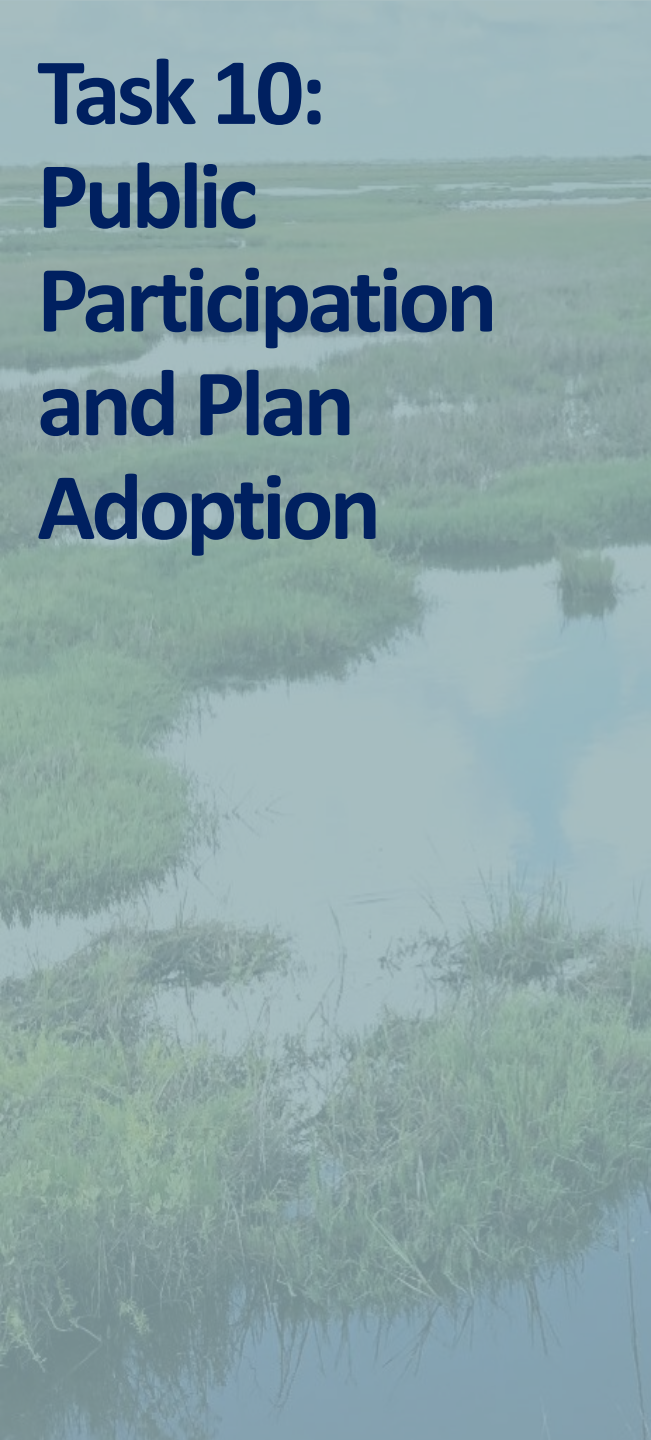
Tasks 4C/5B: FME to FMP Advancement Criteria

Schedule

Milestone	Date
RFPG comments on pairwise rankings and weighting	November 28, 2025
Finalize scoring and weighting criteria	December 15, 2025
Send preliminary rankings to RFPG for scoring	December 31, 2025
Present draft final project list and scores	January 13, 2026
Receive comment from RFPG	January 30, 2026
Final adopted FME advancement - See again March 10 (if needed)? - Due to TWDB on or before March 26	March 2026

A wide-angle photograph of a marshy landscape. The foreground and middle ground are filled with shallow water reflecting a cloudy sky. Interspersed among the water are patches of green reeds and marsh grasses. The horizon is flat and distant, with more land visible under a grey, overcast sky. The overall tone is muted and naturalistic.

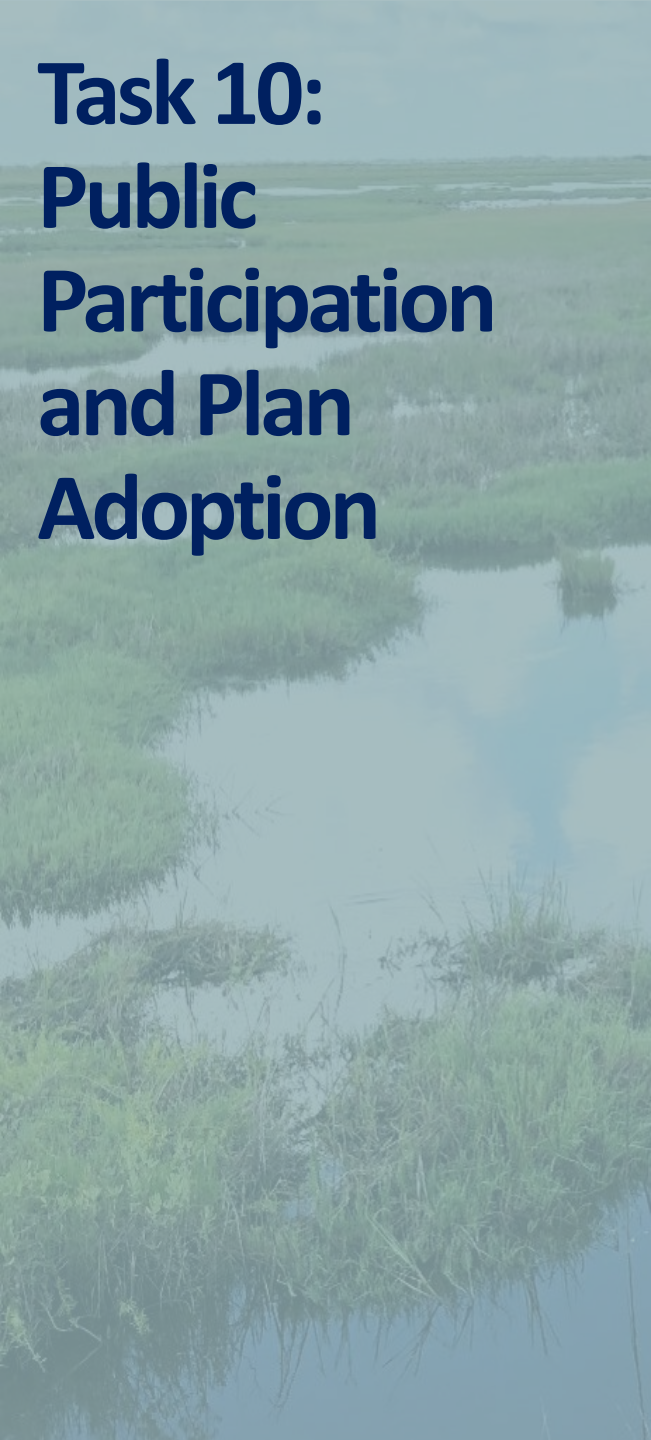
Task 10



Task 10: Public Participation and Plan Adoption

Public Comments via comments@guadaluperfpg.org Since September 3, 2025 and at Comfort Pre-Planning Meeting

Topic	Comment
Contact at City of Cibolo	City of Cibolo reached out via email to learn more about the Region 11 Flood Planning Group.
500-year floodplain recommendation	Endorsed the TWDB’s recommendation for higher standards for residential development, specifically that residences should be built above the 500-year, not 100-year, floodplain.
1978 flood in Comfort	Comfort lost three people during the August 1, 1978 flood event. Supported the Cypress Creek Detention Flood Management Project (FMP 1134073)
Concern about residential development	Residential development planned for 2500 people in the North Creek watershed. Concerned that this development and its wastewater discharge will exacerbate the flooding in the Comfort Area. Requested the RFPG to • Support the use of public funds to buy the property (detention area #5) from the developer, and • Prioritize the Cypress Creek Detention project.



Task 10: Public Participation and Plan Adoption

Public Comments via comments@guadaluperfpg.org Since September 3, 2025 and at Comfort Pre-Planning Meeting

Topic	Comment
Request for conversation with planning group	Requested a two-way conversation with the RFPG.
Early warning system	Groundwater Conservation District and County Judge support an integrated warning system for the entire Hill Country.
Purchase land in floodway	Recommended buying people out of the floodway and finding creative ways to incentivize people to not develop in the floodways, such as developing overlays that identify those floodway corridors on private property.
Solutions to polluted stormwater runoff	Water in flood stage is polluted when it goes into recharge features. Recommended treating stormwater runoff with nature-based solutions to slow it down, clean it up and are required for all new development.

RFPG Member Requests

- **Task 3A: Review and provide comments**
 - RFPG comments on recommendations
 - Send out: November 14, 2025
 - Return by: November 28, 2025
 - Discuss: January 13, 2026 RFPG Meeting
- **Tasks 4C/5B: Process to Select FME's to be Performed by T/C and TWDB**
 - RFPG comments/input on pairwise rankings and weighting
 - Send out: November 14, 2025
 - **Return by:** November 28, 2025
 - Revised/final scoring and weighting completed by December 15, 2025
 - Distribute draft final FME list to RFPG
 - Send Preliminary Rankings out: December 31, 2025
 - Present/Discuss: January 13, 2026 (Discussion and Possible Action)
 - Comments from RFPG received by: January 30, 2026 (if needed)
 - Final Adopted FME Lists: March 10, 2026 RFPG Meeting (if not completed in January)
- Submit to TWDB by: March 26, 2026

A background image of a marshy landscape with green grass and water, partially obscured by a semi-transparent blue overlay.

Look Ahead

(may vary)

Meeting	Milestones / Goals
November 2025	Review and Discuss Task 4B: Technical Memo (Action Needed) Review and Discuss Task 3C: Goals (Action Needed) Review and Discuss Task 4C and 5B Process (Possible Action)
January, 2026	Submit Task 4B Technical Memo (due January 7, 2026) Task 3A: Review and Discuss (Possible Action) Tasks 4C/5B: review and Discuss (Possible Action)
March, 2026	Tasks 4C/5B: Final Action (if needed) Submit Task 5B: Rec List of FMEs for TWDB to do (March 26, 2026)

Consider date and agenda items for next meeting

- Tuesday, January 13th – Seguin, TX

Agenda Item 11

Public general comments – limit 3 minutes per person

Agenda Item 12

Adjourn

Agenda Item 13