



Your Trusted
Water Resource

Region 11: Guadalupe

Regional Flood Planning Executive Meeting

Tuesday, July 14, 2026
9:30am

Agenda

1. Call to Order / Roll Call
2. Welcome
3. Approval of Meeting Minutes
4. RFPG Chair Updates
5. TWDB Updates
6. Inter-regional (Region 10 & 12) Updates
7. Sponsor Updates
8. Discussion and potential action regarding administrative expenses to be submitted to the TWDB for reimbursement
9. TC Updates & Potential Actions
10. Presentation – Texas General Land Office
11. Consider date and agenda items for next meeting
12. Public Comments (3 minutes per person)
13. Adjourn

Agenda Item 1

Call to Order / Roll Call

- Individuals attending in-person
- Reminder to please sign-in

Welcome

Agenda Item 2

Agenda Item 3

Approval of Meeting Minutes

- Approval of minutes from the May 12, 2026 RFPG meeting

Meeting Minutes – May 12, 2026

Region 11 Guadalupe Regional Flood Planning Group Meeting

GBRA River Annex at 9:00 AM

GBRA River Annex (905 Nolan Street, Seguin, Texas)

Roll Call:

<u>Voting Member</u>	<u>Interest Category</u>	<u>Present (x) /Absent () / Alternate Present (*)</u>
Don Durden	<i>Agricultural</i>	Yes
John Johnston Billy Jordan*	<i>Counties – Chair</i>	No
Doug Leacock	<i>Counties</i>	Yes
Melissa Reynolds	<i>Electric Generating Utilities</i>	Yes
Annalisa Peace Bill Barker*	<i>Environmental</i>	Yes-Annalisa Peace Yes – Bill Barker
Doug Sethness	<i>Flood districts</i>	No
Zach Boyer	<i>Industries</i>	No
Joe Ramos	<i>Municipalities</i>	Yes
Ken Gill	<i>Municipalities</i>	Yes
Kimberly Meitzen	<i>Public</i>	Yes
R. Brian Perkins Jonathan Stinson*	<i>River Authorities</i>	Yes
Tara Bushnoe Shelby Taber*	<i>River Authorities</i>	Yes-Shelby Taber
Matthew Hoyt	<i>Small Business</i>	Yes
Charlie Flatten Ben Eldridge	<i>Water Districts</i>	Yes-Ben Aldridge
Steven Fonville	<i>Water Utilities</i>	No

<u>Non-voting Member</u>	<u>Agency</u>	<u>Present(x)/Absent()/ Alternate Present (*)</u>
Sue Reilly Beth Bendik*	Texas Parks and Wildlife Department	Yes
Fernando Perez Regan Middleton*	Texas Division of Emergency Management	No
Jami McCool Kristin Lambrecht*	Texas Department of Agriculture	No
Allen Nash	Texas State Soil and Water Conservation Board	No
Kris Robles Teresa Williams* John Blount	General Land Office	No
Cynthia Nolasco	Texas Water Development Board (TWDB)	Yes
Joel Klumpp	Texas Commission on Environmental Quality	No
Leah Cuddeback	Public	Yes
Juan Sandoval Toby Matias	Region 12 Liaison	No
Patrick Brzorowski	GM-Lavaca-Navidad	No

Quorum:

Quorum: **Yes**

Number of voting members or alternates representing voting members present: 11

Number required for quorum per current voting positions of 8: 15

Other Meeting Attendees:

Sharon Warren, GBRA (Paralegal)

See sign-in sheets attached for additional attendees.

Ram Mendoza, GBRA (IT)

Janis Childers (ICF)

Jay Scanlon (Freese & Nichols)

Katherine Smith (Freese & Nichols)

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

AGENDA ITEM NO. 1: Call to Order

Co-Chairman Meitzen called the meeting to order at 9:31 a.m. Sharon Warren called the roll of the planning group members to record attendance, and a quorum was established.

AGENDA ITEM NO. 2: Welcome

Co-Chairman Meitzen welcomed members and guests to the meeting.

AGENDA ITEM NO. 3: Approval of minutes from the March 12, 2026, Region 11 RFPG Meeting.

Co-Chairman Meitzen opened the discussion on approving the minutes from the March 12, 2026, Region 11 RFPG Meeting.

A motion was made by Joe Ramos to approve the March 12, 2026, Region 11 RFPG Meeting minutes. Brian Perkins seconded the motion. The motion carried.

AGENDA ITEM NO. 4: Region 11 Guadalupe RFPG Chair Updates

No updates were given by the Co-Chair.

AGENDA ITEM NO. 5: Texas Water Development Board (TWDB) Updates

Co-Chairman Meitzen called on Cynthia Nolasco for updates:

- The TWDB Board approved the 14 second amended 2023 Regional Flood Plans for Regions 1 and 3-15 on March 31st, 2026. The information from these amendments will be integrated into an amended 2024 State Flood Plan, which we hope will be ready early next year.

- Task 5B items from the March and April deliverables are currently under review. TWDB will reach out with any requests for information and will also inform you when those deliverables have been found to be administratively complete.
- The TWDB is currently reviewing the Technical Memorandums for all RFPGs and will provide informal comments this summer.
- Regional Flood Planning intends to host an upcoming chairs conference call on a date and time to be determined. We will share additional details when we have more information.
- The most recent newsletter covering events and emails from December 2025 to March 2026 was sent out on March 25th, 2026. This is also available online on our Second Cycle Documents page.

Co-Chairman Meitzen thanked Cynthia Nolasco for her work with Region 11 as she moves to another position outside of the TWDB.

AGENDA ITEM NO. 6: Inter-regional updates on Region 10 & Region 12

No updates were given by the Chair

AGENDA ITEM NO. 7: Guadalupe Region 11 RFPG Sponsor Guadalupe-Blanco River Authority (GBRA) Updates

No updates were provided by GBRA.

AGENDA ITEM NO. 8: Discussion and potential action regarding administrative expenses to be submitted to the Texas Water Development Board for reimbursement

Brian Perkins presented the administrative expenses for presentation to TWDB for reimbursement for GBRA and the technical consultant, totaling \$3,062.25 for January 1, 2026, to April 30, 2026. A motion was made by Doug Leacock and seconded by Annalisa Peace to approve the submittal of administrative expenses of GBRA for TWDB reimbursement. The motion carried.

AGENDA ITEM NO. 9: Discussion updates regarding Region 11 RFPG Technical Consultants' work and schedule

- a. Status Update
- b. Update on FMEs to be performed by the TWDB (Task 5B)
- c. Update and presentation of FME's to be performed by the RFPG Technical Consultant (Task 4C)
- d. Presentation of 2028 FMSs and potential action on formal recommendations (Task 5A)
- e. Presentation of Flood response information and activities Survey (Task 7)
- f. Presentation of Administrative, regulatory, and legislative recommendations from Cycle 1 and updates (Task B)
- g. Schedule Review

Jay Scanlon, of Freese & Nichols, and Kathryn Smith, of Freese & Nichols, provided updates on the TWDB IUP ("Intended Use Plan") set for release in the summer of 2026, an update on Task 5B - FMEs to be performed by the TWDB; Task 4C - FMEs to be performed by the RFPG Technical Consultant; Task 5A - 2028 FMSs and potential action on formal recommendations; Task 7 - presentation of flood response information; Task 8 - administrative, regulatory and legislative recommendations; and schedule overview.

TWDB IUP Task A- The anticipated release date for the draft IUP is the summer of 2026, followed by a 30-day public comment period.

Task 5B -updates on FME's to be performed by the TWDB - initial submittals are being reviewed by the TWDB. These submittals include the March 24, 2026, submittal of the UGRA Evaluation of Water and Sediment Control Facilities and the Green Dewitt Drainage District Cuero levee study, and the April 23, 2026, submittal of the Hays County Channel Improvement and detention analysis and the City of Victoria Spring Creek Watershed project planning. The additional potential FMEs to be submitted are: City of Uhland drainage improvement; City of San Marcos USACE planning; the City of Seguin citywide drainage project; the City of New Braunfels box culvert installation; and the Canyon Regional Water Authority Hays-Caldwell WTP project.

Task 4C - FMEs to be performed by the RFPG technical consultant - update of the selection process and discussion of the FMEs. The following FMEs to be performed by the RFPG technical consultant include the following projects: City of San Marcos South LBJ Drive at Willow Springs; City of San Marcos low water crossing at Jackman; City of Wimberly Valley Drive at Pierce Creek low water crossing; City of Wimberly Flite Acres Drive low water crossing; City of Wimberly Green Acres Drive at Wilson Creek low water crossing; Caldwell County Hemphill Creek; Caldwell County Mebane creek channel improvements; and Caldwell County Mebane Creek floodwall.

Task 5A - FMS recommendation of flood management evaluations, flood mitigation projects, and flood management strategies. Discussion of the goals that the RFPG shall recommend in Cycle 1 (150 items) and Cycle 2 (300 items).

Task 7 -flood response information and activities - the purpose of the survey on flooding issues and floodplain management goals is to collect information and data regarding existing flood infrastructure, floodplain management, flood risk reduction planning and projects, emergency response, and funding for the general public and potential stakeholders in the region.

Task 8 - legislative, administrative, and regulatory recommendations - RFPG may adopt recommendations on policy issues related to floodplain management and flood mitigation planning and implementation. Chapter 8 of the plan deals with legislative, administrative, and regulatory recommendations.

Task 10- Adoption of plan and public participation

Public Comments -two public comments via the website and one public comment via email received from March 4, 2026, to May 3, 2026 were discussed.

AGENDA ITEM NO. 10: Discussion on future meeting dates for 2026 & 2027

The following dates are scheduled:

July 1, 2026 - 9:30 a.m. to 12:00 p.m., GBRA River Annex

September 8, 2026 - 9:30 a.m. to 12:00 p.m., GBRA River Annex

November 10, 2026 - 9:30 a.m. to 12:00 p.m., GBRA River Annex

2027 Meetings - The meetings will now occur on the even months, same time, same location.

AGENDA ITEM NO. 11: Present date and agenda items for next meeting

a. Tuesday, July 14, 2026 (9:30 a.m.)

Tentative topics for July 2026 are Task 5B update, presentation of Chapter 1 to RFPG, and present Cycle 2 FMSs

Tentative topics for September 2026 are Task 5B update, submission of SOW for remaining 5B FMEs, submission of Community Affirmation forms, and presentation of updated Cycle 1 FMEs

Tentative topics for November 2026 are Task 5B update and potential action to recommend Chapters 7 and 8. The Plan is due on January 28, 2027, with a meeting scheduled within 30 days of the plan's publication.

AGENDA ITEM NO. 12: Public General Comments- limit 3 minutes per person

No public comments.

AGENDA ITEM NO. 13 Adjourn

Brian Perkins made a motion to adjourn the meeting. The motion was approved by consensus at 11:28 a.m.

Approved by the Region 11 Guadalupe RFPG at a meeting held on May 12, 2026.

Brian Perkins, SECRETARY

John Johnston, CHAIR

Region 11 Guadalupe Regional Flood Planning Group

Tuesday, May 12, 2026

[illegible]

SIGN-IN SHEET FOR REGION 11 FLOOD PLANNING GROUP
SEGUIN, TEXAS

PUBLIC ATTENDANCE

Date: May 12, 2026

Please Print

Name		Organization	E-mail Address
1	Kathy Roecker	City of Kyle	kroecker@cityofkyle.com
2	Sonya Chapa	Sen. Donna Campbell	sonya-chapa-weber@senate.texas.gov
3	Gust Anderson	Conce Guadalupe SUTD	guyw@gvtrc.com
4	Janis Childers	ICF	janis.childers@icf.com
5	Diana Gonzales	Padarnales Electric Coop.	diana.gonzales@peco.com
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7			
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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

RFPG Sponsor (GBRA) Updates

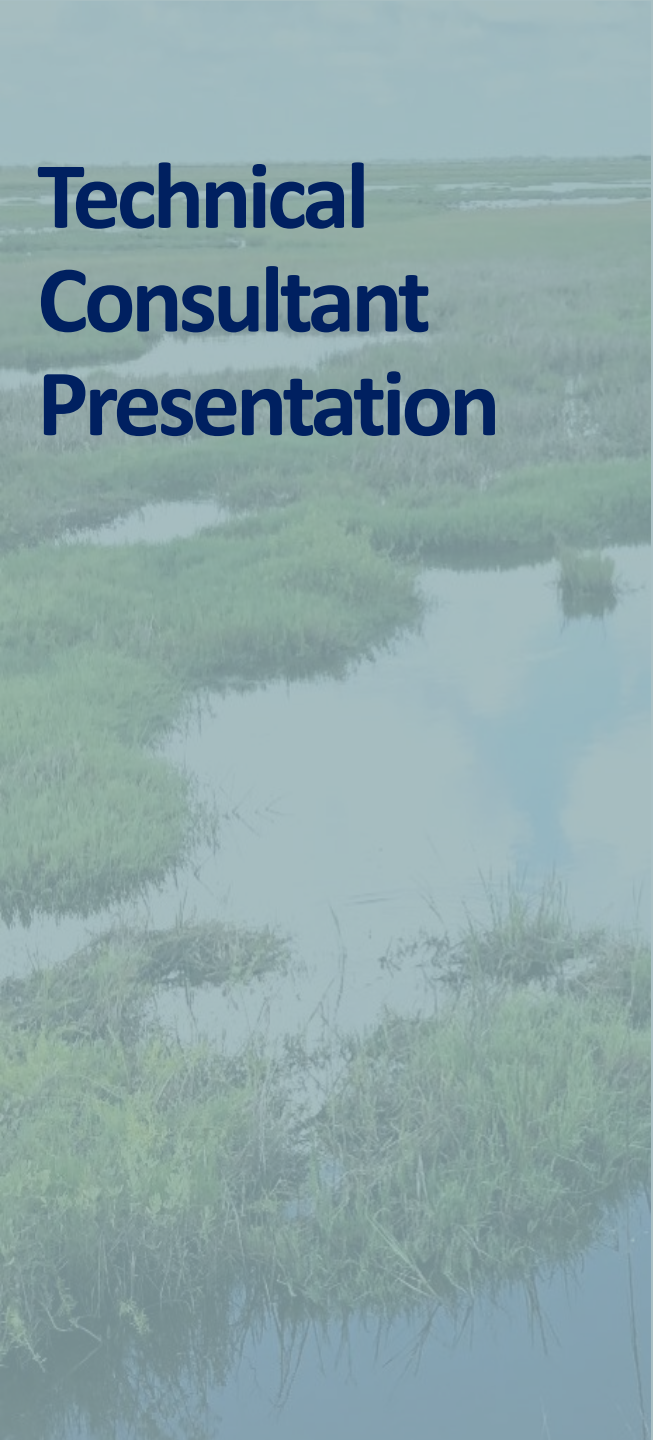
Agenda Item 7

Agenda Item 8

Discussion and potential action regarding administrative expenses to be submitted to the TWDB for reimbursement

Technical Consultants Presentation, Discussion, and Potential Action

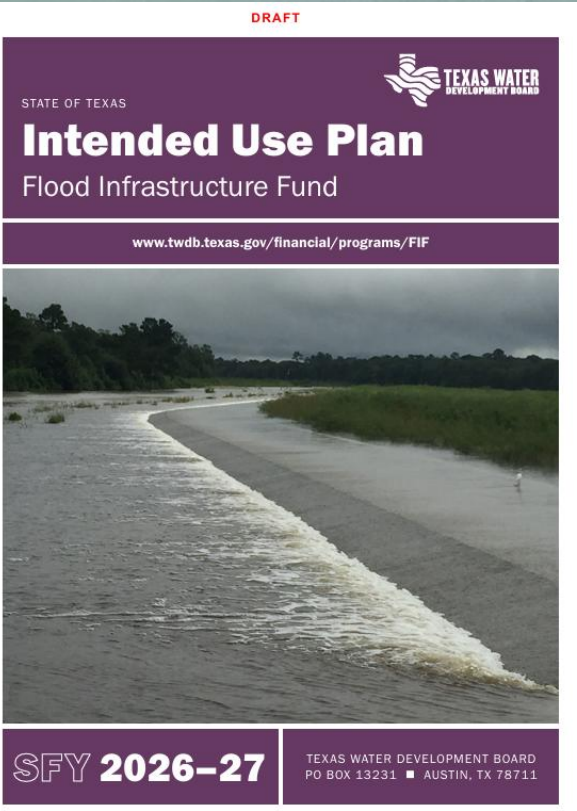
Agenda Item 9



Technical Consultant Presentation

- General Update
- Review Task 3A RFPG Recommended Flood Prevent Practices (updated)
- Discussion and possible actions related to Task 8: Legislative, Administrative, and Regulatory Recommendations
- Discussion and possible actions related to Task 5A: Recommendation of Flood Management Strategies (Regional FMSs)
- Discussion and possible actions related to Task 5A: Recommendation of Flood Management Evaluations (FMEs included in the 2023 Regional flood Plan)
- Survey (Task 7) Update
- Comments Received
- Look-ahead

Updates



Texas Flood Infrastructure Fund (FIF) – SFY 2026–2027

Draft Intended Use Plan | **\$312,474,540** Available

1. KEY DATES

Draft IUP Published –
May 13, 2026

Public Comment Closes –
June 12, 2026 | 11:59 PM CDT

Abridged Applications Open –
After June 12, 2026

2. FUNDING CATEGORIES & CAPS PER APPLICATION



FME
(Flood Management
Evaluations)

Max Grant: \$5,000,000
Max Loan: \$5,000,000
Max In-Kind: \$100,000

Grant %: 100% if AMHI ≤
125% statewide | 90% if
AMHI > 125% statewide



FMP
(Flood Mitigation
Projects)

Max Grant: \$15,000,000
Max Loan: \$30,000,000

Grant %: Up to 85% max
(cumulative qualifiers)
• AMHI ≤ 85% statewide: +75%
• AMHI > 85% statewide: +25%
• Rural applicant: +5%
• ≥30% Nature-Based costs: +5%



FMS
(Flood Management
Strategies)

Max Grant: \$5,000,000
Max Loan: \$5,000,000

Grant %: 100% if AMHI ≤
125% statewide | 90% if
AMHI > 125% statewide

Each action receives its own individual grant – there is NO shared grant pool. Every qualifying action may receive grants up to the applicable cap.

3. GRANT DETERMINATION

Based on U.S. Census 2024 ACS **5-Year AMHI data** | Weighted by population for study/project area

Per-category allocations **NOT** predetermined – TWDB sets distribution **AFTER** abridged application deadline

4. APPLICATION PROCESS

1. Submit
Abridged
Application

2. Project
Prioritization
& Scoring

3. Invitation
to Apply (Full
Application)

4. Financial
Assistance
Commitment

5. Close on
Financial
Assistance

Closing deadlines: Grant-only: 4 mo. | Grant+Loan: 6 mo. | Loan-only: 12 mo.



REVIEW RFPG RECOMMENDED FLOODPLAIN MANAGEMENT PRACTICES (Updated)

Task 3A

RFPG RECOMMENDED FLOODPLAIN MANAGEMENT PRACTICES

- Previous review comments incorporated (minor)
- Recommendations a subsection of Chapter 3 (no action needed)
- Quick review/reminder prior to Chapter 8 discussion
 - Land Conservation
 - Detention Basins
 - Development Limits
 - Creek and River Buffer Zones
 - Improved Modeling
 - Low Impact Development
 - Higher Standards

Land Conservation



Land Conservation: Acquiring open land outside of flood-prone areas can help mitigate or eliminate changes in runoff that contribute to increased flooding. Similarly, acquiring land within established flood-prone areas preserves natural flood storage capacity, maintains existing floodplain conditions, prevents development in vulnerable zones, and provides community social and recreational benefits.

Recommendation: We recommend that entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) prioritize land acquisition and protection through conservation easement strategies, transfer/purchase of development rights, riparian corridor dedication, and partnerships that support long-term flood prevention, flood mitigation, environmental preservation, and social benefits.

Best Management Practices include:

- Voluntary buyout and open-space acquisition programs. Target repetitive-loss and severe-repetitive-loss areas, and hydrologically or environmentally sensitive areas, and convert to permanent open space to eliminate flood-risk and preserve storage and conveyance.
- Conservation easements. Record deed restrictions that prevent fill and construction of structures in floodplain/riparian corridors while allowing access and habitat preservation and/or restoration.
- Transfer/Purchase of Development Rights (TDR/PDR). Shift density out of flood-prone areas to safer development zones without reducing overall growth potential.
- Floodplain reconnection/benching. Acquire overbank areas and lower benches along creeks and rivers to restore flood storage, reduce flood stages (depth), and preserve or improve habitat.
- Riparian corridor dedications at platting. Require public access/maintenance easements and open space lots along mapped corridors.
- Rolling easements (tidal/coastal contexts). Allow natural landward migration of shorelines while avoiding armoring that transfers risk.

Detention Basins



Detention Basins: Protecting downstream landowners and public infrastructure from flooding and erosion caused by new development is essential. Municipalities and counties should require pre- and post-project hydrology and hydraulics (H&H) studies, using the most accurate models available (which may require creating new models).

Recommendation: We recommend that entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) adopt ordinances mandating H&H studies and appropriate detention basin design standards. Design standards should include no adverse impacts to adjacent and downstream properties over a range of pre- and post-project storm events such as, but not limited to, the 2-, 25-, and 100-year storm events (50%, 4%, and 1% annual chance storm events).

Best Management Practices Include:

- Define “no adverse impact.” Adopt no measurable increase in peak flow, depth, velocity, or flood duration at key downstream points across multiple design events.
- Size for multiple events. Match pre- to post-development hydrographs for 2-, 10-, 25-, and 100-year storms and check flow duration to avoid erosive bank flows.
- Design outlets with tailwater. Base outlet rating on stage–discharge curves and downstream boundary conditions (river/tide) expected during storms.
- Provide a safe overflow path and freeboard. Include an emergency spillway and maintain embankment freeboard for less frequent or rare events.
- Set drawdown targets and verify. Require 24 to 72-hour drain-down (balancing water quality and storage volume for successive storms) and confirm via post-construction as-built surveys.
- Plan for Operation and Maintenance. Add sediment forebays, trash racks, and all-weather maintenance access around the perimeter of the facility.
- Offer regional detention/fee-in-lieu. Tie off-site storage to a watershed plan where on-site detention is infeasible.
- Control redevelopment runoff. Require peak shaving and volume reduction for infill to avoid cumulative impacts.

Development Limits



Development Limits and Management of Impervious Cover: Limiting development and managing impervious cover are key land use practices for reducing flood risk. These strategies should be incorporated into floodplain regulations, land development codes, and design manuals.

Recommendation: We recommend that entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) establish thresholds for impervious cover and integrate these limits into regulatory frameworks.

Best Management Practices include:

- Cap impervious cover by district. Set maximum total imperviousness and cut effective impervious area (EIA) with Low Impact Development (LID) credits.
- Use open-space/cluster layouts. Concentrate building pads on higher ground while preserving connected floodplain/open space.
- Right-size parking. Establish parking maximums, enable shared parking, and allow pervious overflow areas.
- Narrow hardscape smartly. Update street and driveway standards to reduce paved areas without compromising safety.
- Limit lot-level coverage. Cap driveways/patios and incentivize permeable or pedestal drainage systems.
- Set redevelopment performance. For projects over an impervious threshold, require net Effective Impervious Area (EIA) reduction or on-site retention of first-flush volume.

Creek and River Buffer Zones



Creek and River Buffer Zones: Establishing buffer zones along creeks and rivers based on the 100-year (1% annual chance) floodplain boundary or other fixed minimum widths (setbacks) is a land use best practice. These zones preserve natural flood storage, protect water quality, support riparian habitat, and reduce flood and erosion damage.

Recommendation: We recommend that entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) include buffer zone requirements in local regulations and design standards.

Best Management Practices include:

- Scale buffers by stream order. Require the greater of the mapped 1% annual-chance floodplain or a fixed-width buffer scaled by stream order; refine using geomorphic evidence.
- Map and protect channel migration zones (CMZs). Delineate CMZs and prohibit new structures/utilities within them.
- Replant native riparian zones. Restore bank stability, shading, and filtration with local species while controlling invasives.
- Keep crossings short and perpendicular where feasible. Minimize encroachment length; armor approaches and maintain cover at crossings.
- Require compensatory storage. Prohibit fill except for restoration; when unavoidable, provide compensatory storage greater than 1:1 (often 1.25–1.5:1) on-site or adjacent.
- Reserve access corridors. Dedicate maintenance/emergency access easements for inspections and maintenance removal.

Improved Modeling



Improved and Consistent Floodplain Modeling: Jurisdictions lacking current FEMA effective floodplain maps or that rely on outdated maps (pre-Atlas 14) should use the best available data (ex: Base Level Engineering floodplain) for regulation. Collaborative efforts with neighboring jurisdictions to develop updated floodplain models and maps using current rainfall, topography, and land use data are encouraged.

Recommendation: We recommend that entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) adopt and use best available data for regulatory purposes and invest in updated floodplain modeling.

Best Management Practices include:

- Adopt a “best available data” policy. Where floodplain ordinances allow, regulate with BLE or locally refined models; document rationale/limits. Amend ordinances if needed to allow for adoption of best available data (other than FEMA effective data).
- Steward shared watershed models. Maintain HMS/SWMM–RAS models across jurisdictions with version control and metadata.
- Update rainfall and Intensity Duration Frequency (IDF) curves. Align local manuals/models with Atlas 14 rainfall and temporal patterns. Evaluate potential future changes if/when rainfall statistics are updated (Atlas 15).
- Model realistic tailwater. Use time-series boundary conditions (river/tide) and include pump/gate logic where relevant.
- Run sensitivity tests. Evaluate debris blockage and detention under-performance to reveal vulnerabilities.
- Calibrate to recent events. Compare modeled stages/flows to high-water marks and adjust losses/roughness; require peer review and quality assurance and quality control (QA/QC) checklists.
- Set remodel and remap triggers. Revisit models and maps when imperviousness or storage changes cross a defined threshold.

Low Impact Development



Low-Impact Development (LID) Practices: LID practices use conservation, land use planning, and resilient design to maintain a site's natural hydrology. These practices reduce runoff from development and improve water quality.

Recommendation: We recommend that entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) incorporate LID strategies into development codes and incentivize their use in both public and private projects.

Best Management Practices include:

- Install bioretention/rain gardens. Use shallow vegetated cells to infiltrate and filter runoff in lots, streetscapes, and parking retrofits.
- Use permeable pavements. Apply pavers or porous asphalt/concrete with subsurface storage to detain and infiltrate rainfall.
- Harvest rainwater. Capture roof runoff for irrigation/graywater with controlled bypass and reuse.
- Combine compatible uses within one project. Design dual-purpose basins that provide detention and biofiltration, create stormwater parks that serve as greenspace most of the year and switch to detention/water-quality during storms, and upgrade low-water crossings using natural channel design to improve safety and conveyance.
- Restore soils. Decompact and amend soils to raise infiltration and reduce runoff coefficients.
- Grow urban canopy with soil cells. Provide structural soil volumes that store stormwater and support healthy trees.
- Disconnect downspouts. Route roof drains to pervious areas or LID cells to reduce effective impervious area.
- Deploy green roofs where suitable. Reduce peaks and thermal loading on flat roofs while adding amenity space.

Higher Standards



Higher Standards: Adopting floodplain management regulations that exceed FEMA's minimum standards is one of the most effective ways to reduce flood risk for both new and redeveloped areas. Enhanced standards such as additional freeboard above base flood elevation and more stringent development restrictions are already in place in approximately **45%** of communities within the Guadalupe Flood Planning Region.

Recommendation: We recommend that entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) adopt higher regulatory standards to improve resilience and reduce long-term flood risk.

Best Management Practices include:

- Freeboard. Require finished floors elevations to include extra height (recommend greater than or equal to 2 feet) above the FEMA Base Flood Elevation (BFE). Requirements vary across the region but typically range from 1 to 2 feet. Resources such as the American Society of Civil Engineers encourage jurisdictions to adopt risk-based standards like ASCE 24-24.
- Cumulative substantial improvement/damage. Track improvements over a rolling window (e.g., 10 years) toward the 50% threshold to drive full compliance.
- Critical facility siting & protection. Locate outside SFHA; if unavoidable, elevate, dry-floodproof non-habitable areas, and protect access routes.
- Compensatory storage. Require $\geq 1:1$ (often 1.25–1.5:1) storage replacement for any unavoidable fill in floodplain fringe.
- Floodway/zero-rise policy. Prohibit encroachments that increase modeled flood elevations; require 2D review for complex sections.
- No basements in SFHA; fill limits. Prevent entrapment and buoyancy issues; restrict use of fill as the sole protection method.
- Utility elevation and service continuity. Elevate/equip MEP systems above freeboard and provide backflow prevention and quick-connects for temporary pumps.
- Drainage "no adverse impact" standard. Adopt multi-event checks for flow, stage, and duration at downstream key points.
- CLOMR/LOMR peer review. Require third-party technical review before submittal and prior to as-built acceptance.

**DISCUSSION AND POSSIBLE ACTIONS RELATED TO TASK 8:
LEGISLATIVE, ADMINISTRATIVE, AND REGULATORY
RECOMMENDATIONS**

Legislative Recommendations

Number	Recommendation	Theme
1	Adopt statewide higher building standards. For example: • establish a minimum floor elevation two feet above the base flood elevation, or • establish stream setbacks based on the 500-year (0.02%) storm event to account for potential changes in future rainfall depths and flood elevations. • Statewide detention and/or verification of no downstream impact from new development for design storms ranging from the 2-year to 100-year storm event.	Authority
2	Enact legislation updating the state building code to adopt the most recent versions of the International Building Code, International Residential Code), and the International Green Building Code.	Authority
3	Provide counties with the authority to require commercial outfitters, landowners, and parks to safely park recreational vehicles and recreational equipment outside of the floodplain. Direct TWDB to develop and promote educational materials such as flood warning or evacuation planning to help guide businesses and parks.	Authority
4 (new)	Modify Local Government Code Section 232.0034 “Additional Requirements: Access by Emergency Vehicles” Add requirement that a residential subdivision that is subdivided into less than 1,000 lots in the unincorporated area of a county shall adopt infrastructure standards requiring at least one means of ingress and egress in the subdivision to provide for sufficient routes of travel for use by emergency vehicles and for use during evacuations resulting from fire or other natural disasters. Also add requirement that incorporated areas shall adopt infrastructure standards for safe ingress/egress to residential development in accordance with the most recent version of the International Fire Code	Authority
5	Modify the enabling legislation for Green DeWitt Drainage District to allow them expand to watershed boundaries rather than political (Municipal or County) boundaries.	Authority

Legislative Recommendations

Number	Recommendation	Theme
6	Provide funding for “buy out” programs to remove repetitive loss structures and potentially convert flood prone neighborhoods into green space/parkland as an alternative to large-scale construction projects. Importantly, funding should consider factors other than benefit-to-cost ratio (BCR). Funding should continue and be expanded for both pre- and post-disaster buyout programs. Direct TWDB to develop and provide guidance to assist communities in establishing a buyback program and how to seek State or Federal funding	Funding
7	Modify CDBG-MIT funding rules to eliminate the need for an eligible recipient to sign a waiver to allow funding to pass down to sub-recipients if those sub-recipients are also eligible for funding.	Funding
8	Continue recurring biennial appropriations to Flood Infrastructure Fund (FIF) through transfers from the Texas Water Fund for Study, Strategy, and Project implementation.	Funding
9	Develop and allocate State funding to assist dam owners (public and private) with the costs associated with evaluation, repair, maintenance, upgrade, or removal of dams. Direct TWDB or TCEQ to provide guidance to dam owners on how to pursue State and Federal funding.	Funding
10	Expand the ongoing program and funding to enhance flood early warning system implementation on a regional basis (especially in rural areas)	Funding
11	Continue and expand funding to improve safety at low water crossings through structural improvements and/or flood warning systems or other enhanced safety measures.	Funding
12	Provide funding to increase the number of conservation easements for riparian areas and land in the 100-year floodplains.	Funding
13	Clarify existing legislation (or direct TWDB to issue guidance or administrative rule) that provides counties the authority to regulate floodplains to regulate floodplains including development of land use plans and regulatory authorities such as permitting.	Policy Clarification

Administrative Recommendations

Number	Recommendation	Theme
1	TWDB should work with FEMA and other regulatory agencies to develop a more effective way to measure/calculate flood damages including the number of structures, and financial cost of damages.	BCA
2	TWDB Flood Infrastructure Fund (FIF) project selection process should place additional emphasis on social vulnerability, sustainability, environmental resilience, etc. in addition to benefit cost analysis to guide the funding and implementation of multi-dimensional projects that can provide water supply and other benefits beyond flood mitigation.	Funding
3	TWDB should encourage communities to work together to enhance program/project efforts to improve funding and implementation opportunities	Funding
4	TWDB should continue and increase funding for stream monitoring at high-risk flood prone areas.	Funding
5	TWDB should provide incentives to local governments to participate in the FEMA Community Rating System (CRS) program.	Funding
6	TWDB should leverage available state and federal programs to prioritize the preservation and restoration of natural or pre-development hydrology.	Funding
7	TWDB should consider additional incentives to encourage the incorporation of nature-based solutions in flood mitigation projects..	Funding
8	TWDB should develop model ordinances for general law cities (building codes, Low Impact Design and Development, Green Infrastructure, other)	Guidance (technical)

Administrative Recommendations

Number	Recommendation	Theme
9	TWDB/TFMA or others should develop a riparian management guidance document that addresses vegetation management purpose, timing, and location within the floodplain and floodway	Guidance (technical)
10 (new)	TWDB or appropriate agencies should issue clarifying guidance on existing county floodplain authority to make it clear that counties have the authority to regulate floodplains, including development of land use plans and regulatory authorities such as permitting.	Policy clarification
11 (new)	TWDB should develop and provide guidance to local governments to clarify authority and assist in managing RV parks in the floodplain	Policy clarification
12	Modify the Flood Infrastructure Fund selection process for flood projects so that project selection is not scored or awarded only on a traditional benefit-cost ratio	Prioritization
13 (new)	Entities with floodplain management and/or development authority should review their authority to manage existing and proposed RV parks in the floodplain	Guidance (technical)
14	TWDB should develop a statewide database and tracking system to document flood-related fatalities and provide a public website/dashboard that conveys map-based statistical information regarding these fatalities	Research
15	TWDB should evaluate the potential to use ongoing research projects to develop and provide a future flood hazard dataset to the Regional Flood Planning Groups for use in the second planning cycle.	Research
16	TWDB should review the list of critical facilities to determine if additional types (such as industrial facilities or superfund sites) should be included	Research
17	TWDB should review State-wide Flood Planning programs in other states to determine if there are any initiatives that would be appropriate to include in the Texas State Flood Planning process.	Research
18	Continue and expand funding to support ongoing education/ training regarding floodplain management	Training/Capacity building
19	Continue and increase funding and/or technical assistance to develop updated floodplain maps	Training/Capacity building

Administrative Recommendations

Number	Recommendation	Theme
20	Develop guidance and training to help city and county leadership understand and exercise their existing authority to manage new and existing development, and fund projects to mitigate existing flooding, and fund projects that prevent failure to existing infrastructure.	Training/Capacity building
21	TWDB should encourage communities to adopt best practice modeling, and model reporting practices.	Training/Capacity building
22	TWDB, TFMA, river authorities, and local governments should provide Green Infrastructure training to agencies, local governments, engineers, planners and encourage this practice in flood mitigation efforts.	Training/Capacity building

Regulatory Recommendations

Number	Recommendation	Theme
1 (new)	Entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) should prioritize land acquisition and protection through conservation easement strategies, transfer/purchase of development rights, riparian corridor dedication, and partnerships that support long-term flood prevention, flood mitigation, environmental preservation, and social benefits.	Conservation
2	TxDOT should update design manual to include stormwater detention requirements to prevent increase downstream flooding from new highway projects	Design and analysis
3	Local governments should adopt detention and/or verification of no downstream impact from new development for design storms ranging from the 2-year to the 100-year storm	Design and analysis
4 (new)	Entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) should adopt ordinances mandating H&H studies and appropriate detention basin design standards. Design standards should include no adverse impacts to adjacent and downstream properties over a range of pre- and post-project storm events such as, but not limited to, the 2-, 25-, and 100-year storm events (50%, 4%, and 1% annual chance storm events).	Design and analysis
5 (replaced)	Entities with floodplain management and/or development authority should review their authority to manage existing and proposed RV parks in the floodplain	Regulatory
6 (new)	Entities with floodplain management and/or development authority should adopt the most recent versions of model ordinances for building codes, floodplain management, Low Impact Design/Development, Green Infrastructure, etc.	Regulatory

Regulatory Recommendations

Number	Recommendation	Theme
7 (new)	Entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) should establish thresholds for impervious cover and integrate these limits into regulatory frameworks.	Regulatory
8 (new)	Entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) should include buffer zone requirements in local regulations and design standards	Regulatory
9 (new)	Entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) should adopt and use best available data for regulatory purposes and invest in updated floodplain modeling.	Regulatory
10 (new)	Entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) should incorporate LID strategies into development codes and incentivize their use in both public and private projects	Regulatory
11 (new)	Entities with floodplain management or development / regulatory authority (cities, counties, drainage districts, river authorities, etc.) are encouraged to adopt higher regulatory standards to improve resilience and reduce long-term flood risk.	Regulatory

**DISCUSSION AND POSSIBLE ACTIONS RELATED TO
TASK 5A: RECOMMENDATION OF FLOOD
MANAGEMENT STRATEGIES**

Regional FMSs

FMS ID	FME Description	FMS Type
11-53-0000000186	Activities not limited to implementing/improving flood education and awareness programs for residents, elected officials, and real estate agents/developers; and flood insurance campaigns to reduce flood risk and increase NFIP participation.	Education and Outreach
11-53-0000000187	Develop and implement voluntary buyout or structural elevation assistance programs to eliminate repetitive loss structures and implement programs to purchase / preserve open space to prevent development in flood prone areas .	Property Acquisition and Structural Elevation
11-53-0000000188	Regularly review and update floodplain ordinances, land use/zoning, development criteria, and enforcement. Develop and implement higher standards, green infrastructure program, and use best available data (eg. BLE) to manage floodplains	Regulatory and Guidance

Regional FMSs

FMS ID	FME Description	FMS Type
11-53-0000000189	Develop and implement programs to increase flood warning including sirens , reverse 911 systems; evacuation/emergency management plans and training; NOAA all-hazards radios, and programs to increase low water crossing safety (signs, flashers, gages)	Flood Measurement and Warning
11-53-0000000190	Develop programs to preserve system functionality (storm drains, culverts, bridges); enhance riparian corridors & preserve floodplain capacity: and infrastructure improvements programs that identify and prioritize flood risk reduction projects	Grey and Green Infrastructure Projects
11-53-0000000191 (new)	Develop & implement voluntary programs to purchase/preserve open spaces to protect floodplain/riparian corridors, limit upland/hillslope development, support aquifer recharge, and provide recreation (fee simple, conservation easements, TDR/PDR, parkland).	Land Conservation

FMS Summary (as of June 30, 2026)

<u>FMS Type</u>	<u>Count</u>
Education and Outreach	97
Property Acquisition and Structural Elevation	34
Regulatory and Guidance	63
Flood Measurement and Warning	92
Green and Grey Infrastructure Improvements	30
Land Conservation	2

- 5 FMSs submitted in Cycle 1
 - Region wide
- 1 Region wide added for Land Conservation
- 327 FMSs total for Cycle 2
 - Added 321 Sponsor specific FMSs

Full table of 321 Sponsor specific FMSs posted separately due to size/length

Sponsor Specific FMSs (Sample)

Sponsor - Action	Type	Description
Blanco County-Flood Risk Education	Education and Outreach	Use the county website and public booth to educate the public about specific mitigation actions for hazards, including but not limited to participating in the National Flood Insurance Program.
Blanco County-Flood Risk Education	Land Conservation	Provide information on proper land stewardship.
Caldwell County - "Warn Central Texas" Notification System	Education and Outreach	Promote and expand citizen participation and enrollment in the “Warn Central Texas” emergency notification warning system.
Caldwell County-Flood Risk Education	Education and Outreach	Implement education and awareness program utilizing media, social media, bulletins, flyers, etc. to educate citizens of hazards (including flood) that threaten the area and mitigation measures to reduce injuries, fatalities, and property damages.
City of Bear Creek - Local FPA Floodplain Management Training Plan Development and Implementation	Education and Outreach	Implement training plan attendance at Texas Water Development Board or Texas Floodplain Management Association classes.
City of Buda-Flood Insurance Campaign	Education and Outreach	Promoting the importance of flood insurance as a part of the development permitting process; promoting the NFIP through brochure distribution, City website, and press releases.
City of Buda-Flood Risk Education	Education and Outreach	This action will create a program to educate the public about specific mitigation actions for hazards, including but not limited to flooding; distributing public awareness information regarding hazards and potential mitigation measures. Promotional source
City of Buda-Flood Risk Education	Education and Outreach	Ensuring that the community members are aware of and understand notification and evacuation plans related to natural hazards.
City of Buda-Floodplain Management Training	Education and Outreach	Provide training for local floodplain administrators and Certified Floodplain Managers
City of Bulverde-Flood Risk Education	Education and Outreach	Implement education and awareness program utilizing media, social media, signage, bulletins, etc. to educate citizens of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages.

Sponsor Specific FMSs (Sample)

Sponsor - Action	Type	Description
City of Cibolo and Seguin - Implement Flood Awareness Program	Education and Outreach	Implement a flood awareness program by providing FEMA/NFIP materials to mortgage lenders, real estate agents and insurance agents and place them in local libraries.
City of Flatonia - Education and Awareness	Education and Outreach	Implement education and awareness programs utilizing media, social media, bulletins, flyers, etc. to educate citizens of hazards.
City of Garden Ridge-Flood Risk Education	Education and Outreach	Utilize media and social media outlets to educate the public on all hazards that pose a risk to the city, provide mitigation measures to reduce damages, and provide health and safety tips to reduce injuries or illness.
City of Hays - Attend Certified Floodplain Management Training	Education and Outreach	Attend FEMA based training for floodplain management administration.
City of Hays - Public Information Campaign on Natural Hazards	Education and Outreach	Creating resource page on City of Hays website to promote information about the hazards that exist in the community and how to take mitigation actions at the individual level.
City of Kyle - Floodplain Administration Continuing Education Project	Education and Outreach	Ensure the City of Kyle Floodplain Administrator receives continuing education related to their floodplain management training as required by FEMA. Funding is dedicated to continuing education. (Phase I complete)
City of Kyle - Riparian Zone Signage	Education and Outreach	Enhance Parks programs by adding signage in riparian zones where vegetation is left natural, informing residents and visitors of the benefits of riparian zones.
City of Kyle-Flood Insurance Campaign	Education and Outreach	Promote the flood insurance program to lessen the number of structures uninsured from flood loss by providing citizens access to brochures about the NFIP at the local City Hall and links to resources on website.
City of Kyle-Flood Risk Education	Education and Outreach	Increasing public awareness of natural hazards and hazardous areas, including flood risk; distributing public awareness information regarding hazards and potential mitigation measures. Promotional sources would include City website, and public education p
City of Kyle-Floodplain Management Training	Education and Outreach	Send member of the staff or elected official to training to become a received advanced floodplain management training.

	Sponsor - Action	Type	Description
1	Blanco County-Flood Risk Education	Education and Outreach	Use the county website and public booth to educate the public about specific mitigation actions for hazards, including but not limited to participating in the National Flood Insurance Program.
2	Blanco County-Flood Risk Education	Land Conservation	Provide information on proper land stewardship.
3	Caldwell County - "Warn Central Texas" Notification System	Education and Outreach	Promote and expand citizen participation and enrollment in the "Warn Central Texas" emergency notification warning system.
4	Caldwell County-Flood Risk Education	Education and Outreach	Implement education and awareness program utilizing media, social media, bulletins, flyers, etc. to educate citizens of hazards (including flood) that threaten the area and mitigation measures to reduce injuries, fatalities, and property damages.
5	City of Bear Creek - Local FPA Floodplain Management Training Plan Development and Implementation	Education and Outreach	Implement training plan attendance at Texas Water Development Board or Texas Floodplain Management Association classes.
6	City of Buda-Flood Insurance Campaign	Education and Outreach	Promoting the importance of flood insurance as a part of the development permitting process; promoting the NFIP through brochure distribution, City website, and press releases.
7	City of Buda-Flood Risk Education	Education and Outreach	This action will create a program to educate the public about specific mitigation actions for hazards, including but not limited to flooding; distributing public awareness information regarding hazards and potential mitigation measures. Promotional source
8	City of Buda-Flood Risk Education	Education and Outreach	Ensuring that the community members are aware of and understand notification and evacuation plans related to natural hazards.
9	City of Buda-Floodplain Management Training	Education and Outreach	Provide training for local floodplain administrators and Certified Floodplain Managers
10	City of Bulverde-Flood Risk Education	Education and Outreach	Implement education and awareness program utilizing media, social media, signage, bulletins, etc. to educate citizens of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages.
11	City of Cibolo and Seguin - Implement Flood Awareness Program	Education and Outreach	Implement a flood awareness program by providing FEMA/NFIP materials to mortgage lenders, real estate agents and insurance agents and place them in local libraries.
12	City of Flatonia - Education and Awareness	Education and Outreach	Implement education and awareness programs utilizing media, social media, bulletins, flyers, etc. to educate citizens of hazards.
13	City of Garden Ridge-Flood Risk Education	Education and Outreach	Utilize media and social media outlets to educate the public on all hazards that pose a risk to the city, provide mitigation measures to reduce damages, and provide health and safety tips to reduce injuries or illness.
14	City of Hays - Attend Certified Floodplain Management Training	Education and Outreach	Attend FEMA based training for floodplain management administration.
15	City of Hays - Public Information Campaign on Natural Hazards	Education and Outreach	Creating resource page on City of Hays website to promote information about the hazards that exist in the community and how to take mitigation actions at the individual level.
16	City of Kyle - Floodplain Administration Continuing Education Project	Education and Outreach	Ensure the City of Kyle Floodplain Administrator receives continuing education related to their floodplain management training as required by FEMA. Funding is dedicated to continuing education. (Phase I complete)
17	City of Kyle - Riparian Zone Signage	Education and Outreach	Enhance Parks programs by adding signage in riparian zones where vegetation is left natural, informing residents and visitors of the benefits of riparian zones.
18	City of Kyle-Flood Insurance Campaign	Education and Outreach	Promote the flood insurance program to lessen the number of structures uninsured from flood loss by providing citizens access to brochures about the NFIP at the local City Hall and links to resources on website.
19	City of Kyle-Flood Risk Education	Education and Outreach	Increasing public awareness of natural hazards and hazardous areas, including flood risk; distributing public awareness information regarding hazards and potential mitigation measures. Promotional sources would include City website, and public education p
20	City of Kyle-Floodplain Management Training	Education and Outreach	Send member of the staff or elected official to training to become a received advanced floodplain management training.
21	City of Kyle-Riparian Zone Signs	Education and Outreach	Enhancement on existing Parks program item that placed riparian zone signs in areas where park land vegetation is left natural. Action would map the points of the sign placement using GIS.
22	City of Niederwald - Creation of Social Media Accounts for the City of Niederwald	Education and Outreach	Opening Social Media accounts from multiple outlets to control emergency messaging and alerts for the community. No other communication methods are in place at the current time, besides County resources.
23	City of Niederwald-Flood Insurance Campaign	Education and Outreach	Promote the flood insurance program to lessen the number of structures uninsured from flood loss by providing citizens access to brochures about the NFIP at the local City Hall and links to resources on website
24	City of Niederwald-Flood Risk Education	Education and Outreach	Increasing public awareness of natural hazards and hazardous areas, including flood risk; distributing public awareness information regarding hazards and potential mitigation measures. Promotional sources would include City website, and public education p
25	City of Niederwald-Flood Risk Education	Education and Outreach	Opening Social Media accounts from multiple outlets to control emergency messaging and alerts for the community. No other communication methods are in place at the current time, besides County resources.
26	City of Niederwald-Floodplain Management Training	Education and Outreach	Send member of the staff or elected official to training to become a Certified Floodplain Manager
27	City of Nixon-Flood Insurance Campaign	Education and Outreach	This action will create a program designed to educate the public about the NFIP program and increase local participation.
28	City of Nixon-Flood Risk Education	Education and Outreach	This action will create a program to educate the public about specific mitigation actions for hazards, including but not limited to participating in the National Flood Insurance Program.
29	City of San Marcos-Flood Risk Education	Education and Outreach	Placing National Flood Insurance Program information brochures in City Hall
30	City of San Marcos-Flood Risk Education	Education and Outreach	Increase Public Awareness of Flood Hazard and Mitigation
31	City of Seguin-Flood Insurance Campaign	Education and Outreach	Undertake an initiative to increase the number of flood insurance policies.
32	City of Seguin-Flood Risk Education	Education and Outreach	Implement a flood awareness program by providing FEMA/NFIP materials to mortgage lenders, real estate agents and insurance agents and place them in local libraries.

	Sponsor - Action	Type	Description
33	City of Uhland-Flood Risk Education	Education and Outreach	Placing National Flood Insurance Program information brochures in City Hall
34	City of Uhland-Flood Risk Education	Education and Outreach	Increasing public awareness of natural hazards and hazardous areas, including flood risk; distributing public awareness information regarding hazards and potential mitigation measures. Promotional sources would include City website, and public education p
35	City of Uhland-Floodplain Management Training	Education and Outreach	Sending designated Floodplain Administrator to floodplain management courses and to test for Certification as a Certified Floodplain Manager
36	City of Victoria - Education and Outreach	Education and Outreach	Conduct All-Hazards Education and Awareness Program to educate citizens of hazards, risks, and mitigation measures to employ to protect lives and property (include Firewise/WUI campaign).
37	City of Waelder-Flood Risk Education	Education and Outreach	This action will create a program to educate the public about specific mitigation actions for hazards, including but not limited to Participating in the National Flood Insurance Program.
38	City of Waelder-Flood Risk Education	Education and Outreach	This action will create a program designed to educate the public about the NFIP program and increase local participation.
39	City of Wimberley-Emergency Response Training	Education and Outreach	Strengthen and improve emergency response and recovery through the purchase of specialized equipment and training.
40	City of Wimberley-Flood Risk Education	Education and Outreach	Placing National Flood Insurance Program information brochures in City Hall
41	City of Wimberley-Flood Risk Education	Education and Outreach	Increasing public awareness of natural hazards and hazardous areas, including flood risk; distributing public awareness information regarding hazards and potential mitigation measures. Promotional sources would include City website, and public education p
42	City of Wimberley-Floodplain Management Training	Education and Outreach	Send certified member of staff to advanced courses.
43	City of Woodcreek-Flood Risk Education	Education and Outreach	Placing National Flood Insurance Program information brochures in City Hall.
44	City of Woodcreek-Flood Risk Education	Education and Outreach	Increasing public awareness of natural hazards and hazardous areas, including flood risk; distributing public awareness information regarding hazards and potential mitigation measures. Promotional sources would include City website, and public education p
45	City of Woodcreek-Floodplain Management Training	Education and Outreach	Send designated floodplain administrator to attend floodplain management courses and to test for certification as a Certified Floodplain Manager
46	Comal County-Flood Risk Education	Education and Outreach	Utilize media and social media outlet to educate the public on all hazards that pose a risk to the planning area, provide mitigation measures to reduce damages, and provide health and safety tips to reduce injuries or illness.
47	DeWitt County-Flood Risk Education	Education and Outreach	Develop and promote program on flood mitigation techniques to reduce flood risk through education and awareness; promote purchase of flood insurance through outreach
48	ESD #1-Flood Risk Education	Education and Outreach	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program.
49	ESD #1-Flood Risk Education	Education and Outreach	Implement education and awareness program utilizing district meetings, social media, bulletins, flyers, etc. to educate area residents of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages
50	ESD #3-Flood Risk Education	Education and Outreach	Implement education and awareness program utilizing district meetings, social media, bulletins, flyers, etc. to educate area residents of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages
51	ESD #4-Flood Risk Education	Education and Outreach	Implement education and awareness program utilizing district meetings, social media, bulletins, flyers, etc. to educate area residents of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages
52	Flatonia ISD - Education and Awareness	Education and Outreach	Implement education and awareness programs utilizing media, social media, bulletins, flyers, etc. to educate citizens of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages. Include links to weather alerts and departmental phone listings with contact personnel for residents.
53	Gillespie County-Flood Risk Education	Education and Outreach	Educating people about the exact nature of the hazards present in the environment is the first and most important step in helping to mitigate against these hazards. Knowing what the threat is and how to counter that threat is the best, least expensive way
54	Goliad County-Flood Risk Education	Education and Outreach	This action will create a program to educate the public about specific mitigation actions for hazards, including but not limited to participating in the National Flood Insurance Program.
55	Goliad ISD - Flood Education Outreach	Education and Outreach	Create a program to educate ISD students, faculty, and staff about specific mitigation actions for hazards.
56	Gonzales County-Flood Risk Education	Education and Outreach	This action will create a program to educate the public about specific mitigation actions for hazards, including but not limited to Participating in the National Flood Insurance Program.
57	Gonzales County-Flood Risk Education	Education and Outreach	This action will create a program designed to educate the public about the NFIP program and increase local participation.
58	Guadalupe County - Educational Outreach	Education and Outreach	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program.
59	Guadalupe County - Flood Risk Education	Education and Outreach	Implement education and awareness program utilizing media, social media, bulletins, flyers, etc. to educate citizens of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages.
60	Guadalupe County - Flood Risk Education	Education and Outreach	Educate community on the flood risk in their neighborhoods, the dangers of flooding, driving through flood waters, and risk reduction methods to protect lives and property.
61	Guadalupe County-Flood Risk Education	Education and Outreach	Educate community on the flood risk in their neighborhoods, the dangers of flooding, driving through flood waters, and risk reduction methods to protect lives and property.
62	Guadalupe County-Flood Risk Education	Education and Outreach	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program.
63	Guadalupe-Blanco River Authority (GBRA) - Expand Hazard Signage in Public	Education and Outreach	Expand hazard signage in all areas of public access.
64	Guadalupe-Blanco River Authority (GBRA) - Implement Education and Awareness Programs	Education and Outreach	Implement education and awareness programs utilizing media, social media, bulletins, flyers, etc. to educate employees and customers of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages.

	Sponsor - Action	Type	Description
65	Guadalupe-Blanco River Authority (GBRA) - Promote Hazard Information Regarding Dumping in Streams, Ditches, etc.	Education and Outreach	Promote hazard information on the GBRA website such as notices discouraging dumping in streams, ditches, waterways, and floodplain areas.
66	Hays County - Attend Advanced Local Floodplain Management Course	Education and Outreach	Send members of the staff or elected officials to training to receive advanced training modules in floodplain administration.
67	Hays County - Flood Insurance Information Campaign	Education and Outreach	Promote the Flood Insurance Program to lessen the number of structures uninsured from flood loss by providing citizens access to brochures about the NFIP at the County Government Center and adding the links to resources on the County website.
68	Hays County - Increase Public Awareness of Hazard Mitigation	Education and Outreach	Increase public awareness of natural hazards and hazardous areas; distribute hazard and mitigation info via County website, social media, public education programs, and outreach through HaysInformed.com.
69	Hays County-Flood Risk Education	Education and Outreach	Increasing public awareness of natural hazards and hazardous areas; distributing public awareness information regarding hazards and potential mitigation measures. Promotional sources would include County website, social media and public education programs
70	Hays County-Floodplain Management Training	Education and Outreach	Send members of the staff or elected officials to training to receive advanced training modules in floodplain administration.
71	Johnson City - Flood Risk Education	Education and Outreach	Create emergency preparedness page on the City website to provide the latest information on best practices for hazard mitigation and preparation
72	Kendall County - Education and Awareness Through Media	Education and Outreach	Conduct education and awareness information through media and other ways to educate the public, citizens of different hazards that can threaten the County and mitigations actions they can do to reduce fatalities, injuries, and property damage.
73	Kendall County-Flood Risk Education	Education and Outreach	Creation of a GIS map showing all low water crossing in the County and improve county flood risk assessment. Build site, make public, then educate public how to access and use.
74	Kerr County - Educational Outreach	Education and Outreach	This action will create a program to educate the public about specific mitigation actions for all hazards.
75	Lavaca County - Education and Outreach	Education and Outreach	Publish and distribute pamphlets on all hazards threatening the planning area. Provide mitigation measures to reduce risk of damages, injury or illness.
76	Lockhart ISD-Flood Risk Education	Education and Outreach	Implement education and awareness program utilizing classrooms, social media, bulletins, flyers, etc. to educate students, parents and area residents of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property
77	Luling ISD-Flood Risk Education	Education and Outreach	Implement education and awareness program utilizing classrooms, social media, bulletins, flyers, etc. to educate students, faculty, parents and area residents of hazards that can threaten the area and mitigation measures
78	Martindale Water Supply Corporation-Flood Risk Education	Education and Outreach	Develop a debris clearing program to reduce flood (street and structure) and fire risk.
79	Martindale Water Supply Corporation-Flood Risk Education	Education and Outreach	Implement education and awareness program utilizing media, social media, bulletins, flyers, etc. to educate citizens of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages within the district.
80	Mountain City-Flood Risk Education	Education and Outreach	Placing National Flood Insurance Program information brochures in City Hall.
81	Mountain City-Flood Risk Education	Education and Outreach	Increase public awareness of flood risk and hazard mitigation.
82	Mountain City-Flood Risk Education	Education and Outreach	This action will create a program to educate the public about specific mitigation actions for hazards, including but not limited to flooding through public education workshops that feature experts from various fields.
83	Mountain City-Floodplain Management Training	Education and Outreach	Send members of the staff or elected officials to training to become a Certified Floodplain Manager.
84	Plum Creek Conservation District-Flood Risk Education	Education and Outreach	Implement education and awareness programs to educate area residents of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages within the district.
85	Texas State University, Hays ISD, Dripping Springs ISD, San Marcos Consolidated ISD, Wimberley ISD - Develop a Hazard Awareness Week for Implementation in Cooperation with the	Education and Outreach	This awareness campaign is linked to the National Weather Service education program, and relates to the County's programs. Publish, distribute and disseminate hazard information brochures to student community.
86	Travis County-Flood Risk Education	Education and Outreach	Distribute flyers to addresses in or near the floodplain to educate citizens on risk, flood insurance, and mitigation measures to reduce risk of flood.
87	Travis County-Flood Risk Education	Education and Outreach	Presentations to neighborhood organizations. Targeted to specific risk areas, such as flood-prone neighborhoods or near low water crossings. Educate residents on natural hazard risks and mitigation measures to reduce risk.
88	Travis County-Flood Risk Education	Education and Outreach	Increase public awareness of all hazards and hazardous areas. Distribute public awareness information regarding natural hazards, including SFHAs, along with potential mitigation measures that can reduce risk of damages and injuries. Utilize resources such
89	Upper Guadalupe River Authority - Educational Outreach	Education and Outreach	This action will create a program to educate the Schreiner University community about specific mitigation actions for multiple hazards.
90	Upper Guadalupe River Authority-Flood Risk Education	Education and Outreach	Implement education program to prepare for and mitigate flood risk. Program may include: LWC dangers, awareness of flood warning systems, and how land stewardship practices like preserving floodplains and using nature-based solutions can mitigate flooding
91	Victoria County-Flood Risk Education	Education and Outreach	Conduct All-Hazards Education and Awareness Program to educate citizens of hazards, risks, and mitigation measures to employ to protect lives and property (include Firewise/WUI campaign).
92	Victoria ISD - Education and outreach	Education and Outreach	Implement a flood awareness program. Educate students on flood mitigation actions to employ at home and ways to protect lives and property.
93	Victoria ISD - Education and Outreach	Education and Outreach	Conduct education/outreach activities to increase awareness of extreme event dangers and mitigation measures to reduce impacts from extreme events.
94	Victoria ISD-Flood Risk Education	Education and Outreach	Strengthen and improve emergency response and recovery through the purchase of specialized equipment and training.
95	Victoria ISD-Flood Risk Education	Education and Outreach	Upgrade existing 911, PSAP, and communication systems to eliminate duplications and system failures.
96	Victoria ISD-Flood Risk Education	Education and Outreach	Increasing public awareness of natural hazards and hazardous areas, including flood risk; distributing public awareness information regarding hazards and potential mitigation measures. Promotional sources would include City website, and public education p

	Sponsor - Action	Type	Description
97	Victoria ISD-Flood Risk Education	Education and Outreach	Implement a flood awareness program. Educate students on flood mitigation actions to employ at home and ways to protect lives and property.
98	Wilson County - Public awareness and education on all hazards	Education and Outreach	Post education material on the effects of hazards to homeowners on the county website and Facebook sites. Publish articles concerning hazards in the local newspaper. Provide education handouts to all county offices and satellite buildings.
99	Blanco County - Update County-Wide Emergency Action Plan	Flood Measurement and Warning	Update emergency action plan addressing critical infrastructure and key resources failure.
100	Blanco County-NOAA All-hazard Radios	Flood Measurement and Warning	Purchase NOAA All-hazard radios for residents to know about weather events.
101	Blanco County-Reverse 911	Flood Measurement and Warning	Install Reverse 911 System. A call will be placed to all registered phones when severe weather is in the area.
102	Blanco County-Update and Maintain Emergency Management Plan	Flood Measurement and Warning	Monthly meetings of county emergency personnel. Desktop exercises and drills.
103	Blanco ISD - Emergency Alert System	Flood Measurement and Warning	Implement emergency alert system for Blanco ISD staff, students and parents.
104	City of Buda-Flood Early Warning System	Flood Measurement and Warning	Improve emergency communication/ warning systems (Buda 2030 Comprehensive Plan Action Items PS-1.1, PS-1.2, & PS-1.3)
105	City of Flatonia - Emergency Notification System	Flood Measurement and Warning	Implement and enhance Emergency Notification System: Upgrade emergency outdoor siren system to effectively cover city limits and mass media coverage including a remote system.
106	City of Flatonia - NOAA Radio Acquisitions	Flood Measurement and Warning	Acquire and distribute NOAA weather radios to know about weather events.
107	City of Ingram and Upper Guadalupe River Authority - Install and Expand Warning Systems and/or Sirens	Flood Measurement and Warning	Warning systems and/or sirens will help limit local vulnerability to hazards by giving residents an opportunity to take shelter before one occurs.
108	City of Kyle - Plum Creek Conservation District Evacuation Planning	Flood Measurement and Warning	Coordination of dam condition to provide the City with disaster information / procedures and evacuation plans associated with PCCD dam failure. (In development)
109	City of Kyle-Evacuation Planning	Flood Measurement and Warning	Documentation of an evacuation plan that includes multiple ingress/egress routes.
110	City of Kyle-Evacuation Planning	Flood Measurement and Warning	Coordinate with dam owners to coordinate and train for potential dam failures, including evacuation planning.
111	City of Luling - NOAA Weather Radio Acquisition and Distribution	Flood Measurement and Warning	Acquire and distribute NOAA weather radios to know about weather events.
112	City of Martindale - NOAA Weather Radio Acquisition and Distribution	Flood Measurement and Warning	Acquire and distribute NOAA weather radios to know about weather events.
113	City of New Braunfels - Flood Early Warning System	Flood Measurement and Warning	Identify and install stream and rain gauges at critical sites in the Comal and Guadalupe River watersheds.
114	City of Niederwald - Dam Safety Evacuation Tabletop Exercise	Flood Measurement and Warning	Coordination with the US Army Corps of Engineers to participate in a tabletop exercise that provides the community leaders with insight on the USACE emergency procedures and evacuation plan.
115	City of Niederwald - Emergency Communications Weather Radio Installation at Public Buildings and Phone Tree Development	Flood Measurement and Warning	Installation of permanent weather radio and weather station at City of Niederwald structures, with back-up power source. Create phone tree with volunteer responsibilities for non-critical hazard call down messaging, such as drought alerts
116	City of Niederwald-Evacuation Planning	Flood Measurement and Warning	Create a formal evacuation plan/procedures to evacuate the community and provide residents evacuation messaging, alternate routes, and returning to the community safely.
117	City of Niederwald-Evacuation Planning	Flood Measurement and Warning	Coordination with the US Army Corps of Engineers to participate in a tabletop exercise that provides the community leaders with insight on the USACE emergency procedures and evacuation plan.
118	City of Niederwald-NOAA All-hazard Radios	Flood Measurement and Warning	Installation of permanent weather radio and weather station at City of Niederwald structures, with back-up power source. Create phone tree with volunteer responsibilities for non-critical hazard call down messaging, such as drought alerts
119	City of Niederwald-StormReady City	Flood Measurement and Warning	Application preparation and submission for StormReady designation from the National Weather Service that attests to the community's level of preparedness for severe winter.
120	City of San Marcos - Increase of Warning Signs and Barricades at Low Water Crossings	Flood Measurement and Warning	Increase number of barricades for low water crossings.
121	City of San Marcos-Evacuation Planning	Flood Measurement and Warning	Documentation of an evacuation plan that includes multiple exits for leaving the community. Possible construction of new roads to provide alternate routes for evacuation for areas that have limited or hazardous points of ingress/egress.
122	City of San Marcos-Evacuation Planning	Flood Measurement and Warning	Coordinate with dam owners to coordinate and train for potential dam failures, including evacuation planning. Make inundation maps public.
123	City of San Marcos-Flood Early Warning System	Flood Measurement and Warning	Increase number of barricades for low water crossings.
124	City of Seguin - Flood Warning Lights	Flood Measurement and Warning	Place flooded area warning lights to prevent unnecessary traffic in flooded areas.
125	City of Seguin - National Weather Service StormReady Program	Flood Measurement and Warning	Obtain certification in the National Weather Service StormReady Program.
126	City of Seguin - Weather Warning System	Flood Measurement and Warning	Install voice-over weather warning system.
127	City of Seguin-Flood Early Warning System	Flood Measurement and Warning	Place flooded area warning lights to prevent unnecessary traffic in flooded areas.
128	City of Uhland-Evacuation Planning	Flood Measurement and Warning	Documentation of an evacuation plan that includes multiple exits for leaving the community (currently the existing ingress/egress routes are subject to flooding)

	Sponsor - Action	Type	Description
129	City of Uhland-NOAA All-hazard Radios	Flood Measurement and Warning	Purchase of permanent weather radio and weather station equipment for all public facilities with back-up power source. Establishment of a community phone tree to be the manual process for reaching residents for times that standard technology fails. This w
130	City of Uhland-StormReady City	Flood Measurement and Warning	Application for designation that classifies community's level of preparedness for severe weather and storms.
131	City of Wimberley - Emergency Siren System	Flood Measurement and Warning	Installation of 3 Emergency Siren Systems
132	City of Wimberley - Improve Emergency Communication/Warning Systems	Flood Measurement and Warning	Purchase equipment and train personnel to improve local/County emergency communication, using the system to share hazard info and guidance on accessing resources like cooling centers during extreme heat.
133	City of Wimberley-Evacuation Planning	Flood Measurement and Warning	Documentation of an evacuation plan that includes multiple exits for leaving the community.
134	City of Wimberley-StormReady City	Flood Measurement and Warning	Application for designation that classifies community's level of preparedness for severe weather and storms.
135	City of Woodcreek-Evacuation Planning	Flood Measurement and Warning	Documentation of an evacuation plan that includes multiple exits for the community.
136	City of Woodcreek-Flood Early Warning System	Flood Measurement and Warning	Provide a secondary means of communication from an LCRA system for members of the City staff in the event of cell phone network unavailability (common during disasters).
137	City of Woodcreek-Reverse 911	Flood Measurement and Warning	Establishment of a community promotion for enrollment in CAPCOG's reverse calling system. The community currently has a system for texts and email
138	City of Woodcreek-StormReady City	Flood Measurement and Warning	Application for designation that classifies community's level of preparedness for severe weather and storms.
139	Comal County-Flood Early Warning System	Flood Measurement and Warning	Purchase and install automated advanced warning systems at low water crossing throughout the county.
140	Comal County-Flood Early Warning System	Flood Measurement and Warning	Expand early warning system to include all hazards.
141	County Line Special Utility District - NOAA Weather Radio Acquisition and Distribution	Flood Measurement and Warning	Acquire and distribute NOAA weather radios to all district locations and administrative office locations to know about weather events.
142	DeWitt County - Flood Early Warning System	Flood Measurement and Warning	Purchase and install countywide I-Info Alert System to alert residents of severe weather events and protect residents from injury and loss of life.
143	DeWitt County - Flood Early Warning System	Flood Measurement and Warning	Implement a program to educate residents on responding to alerts/information disseminated through the countywide I-Info alert system to take actions to mitigate disaster event and/or protect people and property
144	DeWitt County - Flood Early Warning System	Flood Measurement and Warning	Develop a database program to track specific groups for notifications/events and implement a process for disseminating and regulating warnings in conjunction with I-Info alert system
145	ESD #3 - NOAA Weather Radio Acquisition and Distribution	Flood Measurement and Warning	Acquire and distribute NOAA weather radios to know about weather events.
146	ESD #3-Flood Risk Education	Flood Measurement and Warning	Acquire and install fixed barriers and warning lights at high flood hazard roadways.
147	ESD #3-Flood Risk Education	Flood Measurement and Warning	Acquire and install fixed barriers and warning lights at low water crossings.
148	ESD #4 - NOAA Weather Radio Acquisition and Distribution	Flood Measurement and Warning	Acquire and distribute NOAA weather radios to all district locations and administrative office locations to know about weather events.
149	ESD #4-Flood Risk Education	Flood Measurement and Warning	Install surveillance equipment in high hazard dam areas to monitor dams during times of flooding.
150	Gillespie County-Low Water Crossing Improvements	Flood Measurement and Warning	Flooding is a common problem in Gillespie County. There are 35 documented low water crossings in the county. Having these crossings protected by automatic signs would improve public safety in the county.
151	Goliad County - Flood Warning System	Flood Measurement and Warning	Install an automated flood warning system.
152	Goliad County - Flood Warning System	Flood Measurement and Warning	Install alert sirens for unincorporated communities.
153	Goliad County - Stream Level Detection Devices	Flood Measurement and Warning	Install wireless stream water level detection devices at 22 existing rain gauges on bodies of water in the City and County of Goliad.
154	Guadalupe-Blanco River Authority (GBRA) - Develop Hydrologic Forecast Models for the Guadalupe Basin	Flood Measurement and Warning	Develop hydrologic forecast models for the Guadalupe Basin. The headwaters of the Guadalupe Basin are in a region known as "Flash Flood Alley". These intense rain events are difficult to forecast. Improved tools are needed.
155	Hays County - Additional Stream & Rain Gauge and Flood Warning Systems	Flood Measurement and Warning	Next phase in an ongoing effort to increase the number of gages along high velocity flood areas and flood warnings at High Hazard Dams.
156	Hays County - Evacuation Plans/Alternate Road Consideration	Flood Measurement and Warning	Documentation of an evacuation plan that includes multiple exits. Possible construction of new roads to provide alternate routes for evacuation for areas that have limited or hazardous points of ingress/egress
157	Hays County - Storm Ready Designation	Flood Measurement and Warning	Application preparation and submission for Storm Ready designation from the National Weather Service that attests to the community's level of preparedness for severe weather.
158	Hays County-Evacuation Planning	Flood Measurement and Warning	Documentation of an evacuation plan that includes multiple exits. Possible construction of new roads to provide alternate routes for evacuation for areas that have limited or hazardous points of ingress/egress
159	Hays County-Flood Risk Education	Flood Measurement and Warning	Flood Insurance Information Campaign to increase the number of insurance plans.
160	Hays County-Harden Critical Infrastructure	Flood Measurement and Warning	Ensure new structures are structurally reinforced against natural hazards. To include, low-flow water units for drought, flood-proofing (if needed), wind resistant doors and windows, freeboard, bracing and bolting of sill plates, higher levels of soil com

	Sponsor - Action	Type	Description
161	Hays County-StormReady County	Flood Measurement and Warning	Application preparation and submission for StormReady designation from the National Weather Service that attests to the community's level of preparedness for severe weather.
162	Johnson City ISD - Emergency Alert System	Flood Measurement and Warning	Implement emergency alert system for Johnson ISD staff, students and parents.
163	Karnes County - Low water crossing signage	Flood Measurement and Warning	Identify sites and install Road Closed Signage/Warning device to alert traffic that road is closed due to high water
164	Kendall County - Creation of a GIS Map of Low Water Crossings and Improvement of the County Flood Risk Assessment	Flood Measurement and Warning	Creation of a GIS map showing all low water crossing in the County and improve county flood risk assessment. Build site, make public, then educate public how to access and use.
165	Kendall County - Implementation of Rain and Flood Gauges	Flood Measurement and Warning	Implement basin wide standardized rain gauges and flood gauges for flood warning and flood prediction. These should be standardized at the basin level so that the technology communicates to all affected political jurisdictions and their constituents.
166	Kendall County - Provide Early Warning and Post Event Information	Flood Measurement and Warning	Provide early warning and post event information. Either purchase or encourage citizens to purchase NOAA All Hazard Radios for early warning and post-event information for public, businesses, schools, event venues.
167	Kendall County - Purchase Warning Signs or Auto Barricades at Low Water Crossings	Flood Measurement and Warning	Install hazard warning signs and auto or pull-out barricades at low water crossings. Auto-sensed barricades drop to close roads; pull-out types allow responders with keys to deploy and close roadways.
168	Kendall County-Flood Early Warning System	Flood Measurement and Warning	Purchase, build, and place hazardous warning signs, or auto barricades at low water crossings. Place auto barricades or permanent pull-out barricades at these locations so when auto sensed, a barricade would drop and close the roadway.
169	Kendall County-Flood Early Warning System	Flood Measurement and Warning	Provide early warning and post event information. Either purchase or encourage citizens to purchase NOAA All Hazard Radios for early warning and post-event information for public, businesses, schools, event venues.
170	Kerr County - Local Flood Warning System	Flood Measurement and Warning	This action proposes a local flood warning system to reduce the potential impacts of future flood events.
171	Lavaca County - NOAA Weather Radio Acquisition	Flood Measurement and Warning	Purchase and distribute NOAA Weather Radios with uniform technology to know about weather events.
172	Lockhart ISD - NOAA Weather Radio Acquisition and Distribution	Flood Measurement and Warning	Acquire and distribute NOAA weather radios to all district locations and administrative office locations to know about weather events.
173	Lockhart ISD-Flood Risk Education	Flood Measurement and Warning	Enhance early warning systems
174	Luling ISD-Flood Risk Education	Flood Measurement and Warning	Acquire and install fixed barriers and warning lights at high flood hazard roadways.
175	Martindale Water Supply Corporation - NOAA Weather Radio Acquisition and Distribution	Flood Measurement and Warning	Acquire and distribute NOAA weather radios to know about weather events.
176	Martindale Water Supply Corporation-Flood Risk Education	Flood Measurement and Warning	Acquire and install fixed barriers and warning lights at high flood hazard roadways.
177	Maxwell Water Supply Corporation - NOAA Weather Radio Acquisition	Flood Measurement and Warning	Acquire and distribute NOAA weather radios to know about weather events.
178	Maxwell Water Supply Corporation-Flood Early Warning System	Flood Measurement and Warning	Acquire and install fixed barriers and warning lights at low water crossings.
179	Maxwell Water Supply Corporation-Flood Early Warning System	Flood Measurement and Warning	Acquire and install fixed barriers and warning lights at low water crossings.
180	Mountain City-Emergency Notification Flowchart	Flood Measurement and Warning	Continue existing City directory program and add phone tree responsibilities for non-critical hazard call down messaging, such as drought alerts
181	Mountain City-Evacuation Planning	Flood Measurement and Warning	Create a formal evacuation plan/procedures to evacuate the community and provide residents evacuation messaging, alternate routes, and returning to the community safely.
182	Mountain City-StormReady City	Flood Measurement and Warning	Application preparation and submission for StormReady designation from the National Weather Service that attests to the community's level of preparedness for severe weather.
183	Upper Guadalupe River Authority - County Wide Flood Warning System	Flood Measurement and Warning	This action proposes implementing a county wide flood warning system that includes high water detection and precipitation sensors, automatic crossing barriers, and a web-based platform.
184	Upper Guadalupe River Authority & Kerr County – Flood Early Warning System	Flood Measurement and Warning	This action proposes a local flood warning system to reduce the potential impacts of future flood events.
185	Upper Guadalupe River Authority-NOAA All-hazard Radios	Flood Measurement and Warning	This action will install a NOAA weather radio in every UGRA facility that is occupied on a full-time basis.
186	Victoria County - Emergency Notification System	Flood Measurement and Warning	Enhance County-wide 911 addressing / warning systems, using GIS maps, street signs, address markers, and proper 911 Geo-Coding, to identify at risk populations and provide accurate warnings, alerts, and first responder services.
187	Victoria County - River Forecasting Equipment Acquisition	Flood Measurement and Warning	Purchase and implement enhanced county wide rain intensity and river forecasting capability equipment.
188	Victoria County-Evacuation Planning	Flood Measurement and Warning	Coordinate with dam owners to coordinate and train for potential dam failures, including evacuation planning. Provide additional means of access for first responders in case of dam failure.
189	Victoria County-Flood Early Warning System	Flood Measurement and Warning	Purchase and implement area-wide emergency notification system.
190	Wilson County-Flood Early Warning System	Flood Measurement and Warning	Install gates at low water crossings on county roads repeatedly resulting in road closure due to rapid rising flood waters, to include staff gauges and signage (e.g. "Turn Around Don't Drown")
191	Blanco County-Debris Clearing Program	Green and Grey Infrastructure Improvements	Adopt and implement a program for clearing debris from bridges, drains and culverts.
192	City of Blanco - Build Community Center	Green and Grey Infrastructure Improvements	Build a central community center to function as a shelter that is central to the City of Blanco.

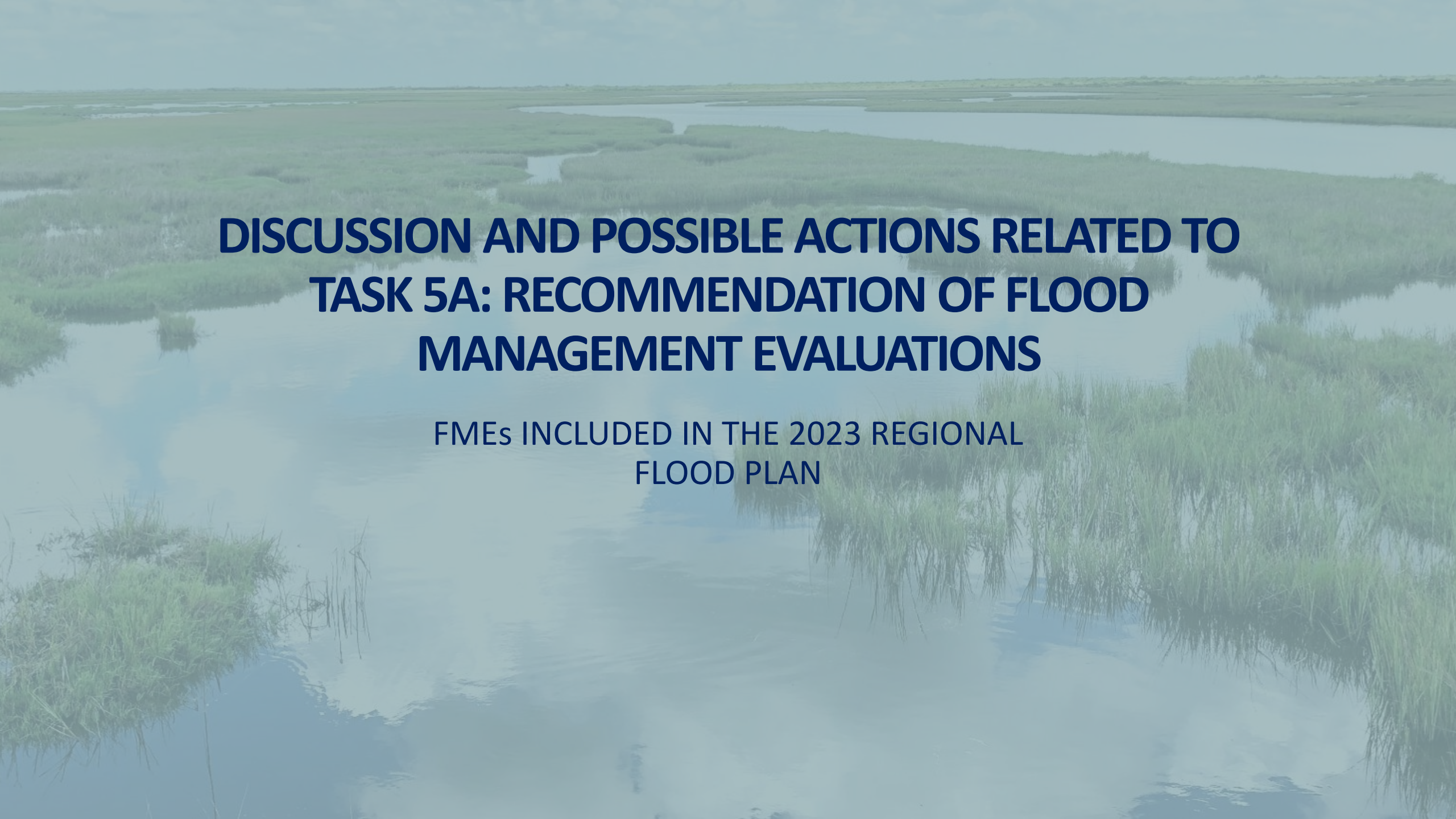
	Sponsor - Action	Type	Description
193	City of Blanco - Relocating City Infrastructure Outside of Dam Inundation Zone	Green and Grey Infrastructure Improvements	Relocate critical infrastructure outside of the dam failure inundation zone, elevate above anticipated flood levels, and protect.
194	City of Cibolo and Seguin - Green Infrastructure Program	Green and Grey Infrastructure Improvements	Establish, adopt, and implement a "green infrastructure" program for parks, nature preserves, greenbelts, etc.
195	City of Cibolo-Stream Restoration/Channelization	Green and Grey Infrastructure Improvements	Implement stream restoration/channelization program to ensure adequate drainage/diversion of stormwater.
196	City of Flatonia - Debris Removal Program	Green and Grey Infrastructure Improvements	Adopt and implement a program for clearing debris from bridges, drains, and culverts.
197	City of Flatonia-Maintenance Program	Green and Grey Infrastructure Improvements	Implement maintenance program for drainage, including waterways, culverts, and bridges.
198	City of Garden Ridge-Debris Clearing Program	Green and Grey Infrastructure Improvements	Design and implement program to clean and clear debris and overgrown vegetation from the drainage system to reduce flood risk to buildings and roads.
199	City of Ingram-Debris Clearing Program	Green and Grey Infrastructure Improvements	Develop and implement a debris reduction program to minimize riverine erosion caused by debris buildups that can alter the flow and shape of local river and stream channels.
200	City of Nixon-Wastewater System Flood Improvements	Green and Grey Infrastructure Improvements	The WWTP lift station and 8th Avenue lift station have experienced inundation and caused overflows because of stormwater inflow into the wastewater system. Also need a new generator & SCADA System Improvements at the City's WWTP, Water Well 6/Water PI
201	City of San Marcos-Emergency Generators	Green and Grey Infrastructure Improvements	Purchase and installation of generators for temporary sheltering efforts in all public facilities capable of housing citizens.
202	City of Seguin-City-wide Drainage Improvements	Green and Grey Infrastructure Improvements	Increase Regional Detention, Channel & Drainage System Improvements.
203	City of Seguin-Stream Restoration/Channelization	Green and Grey Infrastructure Improvements	Add thick vegetation on public lands along riverbanks.
204	City of Seguin-Stream Restoration/Channelization	Green and Grey Infrastructure Improvements	Implement a program to stabilize the riverbank at Max Starke Park along the banks of the Guadalupe River.
205	City of Seguin-Subdivision Access Improvements	Green and Grey Infrastructure Improvements	Provide/construct additional means of access into single-entry neighborhoods; Update subdivision codes for a higher level of ingress and egress.
206	City of Yorktown-Debris Clearing Program	Green and Grey Infrastructure Improvements	Develop a program to selectively manage vegetation along area waterways and restore floodplain function of natural systems
207	Comal County - Debris Clearing Program	Green and Grey Infrastructure Improvements	Create and implement a program for the removal of trees, shrubs, growth and debris from the Dry Comal Creek (unincorporated areas).
208	Comal County - Debris Clearing Program	Green and Grey Infrastructure Improvements	Create and implement a program for the removal of flood debris from the Guadalupe River channel.
209	Goliad County - Tree Trimming Program	Green and Grey Infrastructure Improvements	Develop and implement a tree trimming program to minimize the amount of debris generated during natural hazard events
210	Guadalupe County - Clearing of Tree Limbs	Green and Grey Infrastructure Improvements	Adopt and implement a routine tree trimming program that clears tree limbs near power lines and/or hanging in right-of-way; Remove dead trees from right-of-way and drainage systems on a scheduled basis.
211	Guadalupe County - Debris Clearing Program	Green and Grey Infrastructure Improvements	Adopt and implement a program for clearing debris from bridges, drains, and culverts.
212	Guadalupe County - Retain/Maintain Stormwater Channels	Green and Grey Infrastructure Improvements	Retain and maintain natural vegetation in stormwater channels.
213	Guadalupe-Blanco River Authority (GBRA) - Implement a Bridge, Drain and Culvert Cleanup Program	Green and Grey Infrastructure Improvements	Implement a program with the City of Lockhart through a MOU to clear debris from bridges, drains, and culverts to reduce the impacts of flooded areas.
214	Hays County - Minimize the Loss of Life at Low Water Crossings	Green and Grey Infrastructure Improvements	Continue efforts to improve and expand upon existing low water crossing alert systems, and road blocking systems. Also make structural improvements to low water crossings to decrease vulnerability and protect residents.
215	Karnes County - Debris Removal Program	Green and Grey Infrastructure Improvements	Develop and implement debris removal program for creeks and tributaries leading into the San Antonio River and establish voluntary public programs to mitigate against the flood hazard
216	Victoria County-Bridge Improvements	Green and Grey Infrastructure Improvements	Raise various County bridges above current Base Flood Elevation (BFE) levels to include such improvements as: box culverts, wingback walls, rip rap, channelization, and road base improvement.
217	Victoria County-Emergency Generators	Green and Grey Infrastructure Improvements	Install emergency generators at critical facilities.
218	Victoria County-Stream Restoration/Channelization	Green and Grey Infrastructure Improvements	Implement a stream restoration/channelization program to ensure adequate drainage/diversion of storm water, throughout various county low water crossings, streambeds, creek sheds, tributaries, and riverine areas.
219	Victoria ISD-Flood Risk Education	Green and Grey Infrastructure Improvements	Harden city buildings, critical infrastructure, and government buildings. Hardening of non-governmental facilities, to include for profit and not for profit locations that have been identified as crucial in the response and recovery to/of emergencies and
220	Wilson County-Low Water Crossing Improvements	Green and Grey Infrastructure Improvements	Upgrade infrastructure at low water crossings to provide unimpeded access during 100-year base flood event to facilitate evacuation and response by emergency vehicles
221	Caldwell County-Flood Early Warning System	Property Acquisition and Structural Elevation	Acquire and install remote sensors to monitor and transmit real-time information of low-water crossings flooding status.
222	City of Blanco - Buyout Residential and Commercial Property	Property Acquisition and Structural Elevation	Propose a voluntary buyout using Floodplain ordinance, FEMA resources, etc. as each property is substantially damaged in 100-year floodplain.
223	City of Buda-Lifschutz Headwaters Voluntary Buyout	Property Acquisition and Structural Elevation	Voluntary, targeted buyouts for 1 or more affected properties. (November 11, 2016 Preliminary Engineering Report)
224	City of Kyle-Riparian Corridor Land Assembly	Property Acquisition and Structural Elevation	For improved drainage and public recreation, this project also called a Riparian Corridor Land Assembly will be a project that interconnects greenways into a trail system that connects across Kyle

	Sponsor - Action	Type	Description
225	City of New Braunfels - Voluntary Buyout Program	Property Acquisition and Structural Elevation	Remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open(green)space.
226	City of New Braunfels-Voluntary Buyout Program	Property Acquisition and Structural Elevation	Remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open(green)space.
227	City of Nixon - Flood Insurance Campaign	Property Acquisition and Structural Elevation	Develop and implement a program to buyout NFIP repetitive loss properties.
228	City of Nixon-Voluntary Buyout Program	Property Acquisition and Structural Elevation	This action will develop and implement a program to buyout NFIP repetitive loss properties.
229	City of San Marcos - Acquisition or Elevation of Repetitive Loss Properties	Property Acquisition and Structural Elevation	Acquisition or Elevation of Repetitive Loss Properties.
230	City of San Marcos - Land Conservation for Aquifer Recharge	Land Conservation	The preservation of land in flood-prone areas and in the 1% floodplain will help mitigate flooding by reducing the amount of impervious surfaces and allowing more recharge and infiltration of water during rain events.
231	City of San Marcos-Floodplain Protection	Property Acquisition and Structural Elevation	The preservation of land in flood-prone areas and in the 1% floodplain will help mitigate flooding by reducing the amount of impervious surfaces and allowing more recharge and infiltration of water during rain events.
232	City of Seguin - Acquisition of Adjacent Floodplain Land	Property Acquisition and Structural Elevation	Acquire and preserve open spaces adjacent to floodplain areas.
233	City of Seguin-Floodplain Protection	Property Acquisition and Structural Elevation	Acquire and preserve open spaces adjacent to floodplain areas.
234	City of Seguin-Voluntary Buyout Program	Property Acquisition and Structural Elevation	Develop an acquisition and elevation program in flood hazard areas. Elevate or acquire and demolish repetitive loss properties. Acquire high risk vacant land and maintain as open space. Increase development standards in high-risk areas.
235	City of Victoria - Voluntary Buyout Program	Property Acquisition and Structural Elevation	Implement a voluntary acquisition program for repetitive flood properties.
236	City of Waelder - Voluntary Buyout Program	Property Acquisition and Structural Elevation	Develop and implement a program to buyout NFIP repetitive loss properties.
237	City of Waelder-Voluntary Buyout Program	Property Acquisition and Structural Elevation	This action will develop and implement a program to buyout NFIP repetitive loss properties.
238	Comal County - Voluntary Buyout Program	Property Acquisition and Structural Elevation	Remediate repetitive losses along Guadalupe River by acquiring flood damaged structures and converting acquired land to open (green) space.
239	Comal County-Debris Clearing Program	Property Acquisition and Structural Elevation	Develop a program to selectively manage vegetation along area waterways and restore floodplain function of natural systems
240	Comal County-Debris Clearing Program	Property Acquisition and Structural Elevation	Develop a program to selectively manage vegetation along area waterways and restore floodplain function of natural systems
241	Comal County-Flood Early Warning System	Property Acquisition and Structural Elevation	Acquire and install cameras at existing flood retarding structures.
242	Comal County-Flood Early Warning System	Property Acquisition and Structural Elevation	Acquire and install stream gauges throughout the planning areas as needed.
243	Comal County-Floodplain Ordinance	Property Acquisition and Structural Elevation	Adopt land use restrictions to limit development in high-risk areas.
244	Comal County-Floodplain Ordinance	Property Acquisition and Structural Elevation	Order No. 232 - Flood Damage Prevention Order
245	Comal County-Low Water Crossing Improvements	Property Acquisition and Structural Elevation	Upgrade low water crossings with larger culverts and elevated roadways where feasible. Acquire easement and/or right of ways adjacent to River Road for first responder access and helicopter landing zones during flood events that cutoff access to this area
246	Comal County-Voluntary Buyout Program	Property Acquisition and Structural Elevation	Remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open(green)space.
247	Gonzales County - Property Acquisition and Structural Elevation	Property Acquisition and Structural Elevation	Develop and implement a program to buyout NFIP repetitive loss properties.
248	Gonzales County-Voluntary Buyout Program	Property Acquisition and Structural Elevation	This action will develop and implement a program to buyout NFIP repetitive loss properties.
249	Guadalupe County-Voluntary Buyout Program	Property Acquisition and Structural Elevation	Develop a land acquisition program in flood hazard areas. Acquire and demolish repetitive loss properties. Acquire high risk vacant land and maintain as open space.
250	Johnson City - Reduce Number of Structures in the Floodplain and Dam Inundation Areas.	Property Acquisition and Structural Elevation	Demolish and remove structures by notifying property owners, purchasing properties and adopting/enforcing codes.
251	Karnes County - San Antonio River drainage ownership Mapping	Property Acquisition and Structural Elevation	Develop ownership and access understanding of parcels fronting the San Antonio River and major tributaries that have better agreements and access to areas that need flood control mitigation and erosion control
252	Travis County-Voluntary Buyout Program	Property Acquisition and Structural Elevation	Identify and prioritize structures for elevation as flood mitigation. Elevate flood prone structures throughout unincorporated Travis County.
253	Victoria County-Voluntary Buyout Program	Property Acquisition and Structural Elevation	Implement a voluntary acquisition program for repetitive flood properties.
254	Victoria ISD-Flood Risk Education	Property Acquisition and Structural Elevation	Implement a voluntary acquisition program for repetitive flood properties.
255	Wilson County-Voluntary Buyout Program	Property Acquisition and Structural Elevation	Acquire flooded structures to remove them out of the SFHA and restrict future structures from development on site. Consider the establishment of a voluntary "acquisition and demolition program", acquisition and structure relocation program" "structure elevation
256	Blanco County-Floodplain Ordinance	Regulatory and Guidance	Update county's floodplain ordinance above minimum requirements. Will be implemented by action of Commissioners' Court.

	Sponsor - Action	Type	Description
257	City of Bear Creek - Flood Ordinance Higher Standards	Regulatory and Guidance	Create higher standards to increase protection of development in/near the floodplain, increasing freeboard.
258	City of Bear Creek - Watershed Review Program for Encroachments	Regulatory and Guidance	Plan for how to enforce against encroachments in the floodway by creating a program to coordinate inspections.
259	City of Blanco - Develop/Update Dam Failure Emergency Operations Plan	Regulatory and Guidance	Prepare an EOP or community of operations plan to protect building tenants and minimize business disruptions.
260	City of Buda - Create a Consolidated Resiliency Plan	Regulatory and Guidance	Create a consolidated Resiliency Plan to address water quality, water conservation, drought mitigation, flooding impacts, wildfire threat, electric grid overload, and urban heat effect (Comp Plan)
261	City of Bulverde-Floodplain Ordinance	Regulatory and Guidance	Strengthen zoning ordinance to limit development in known high hazard areas.
262	City of Bulverde-Green Infrastructure Program	Regulatory and Guidance	Adopt and implement a "green infrastructure" program for parks, nature preserves and greenbelts throughout the city.
263	City of Cibolo - Community Rating System Program	Regulatory and Guidance	Join the Community Rating System program.
264	City of Cibolo - National Flood Insurance Program	Regulatory and Guidance	Join the National Flood Insurance Program (NFIP).
265	City of Cibolo - On-Site Retention Basin Program	Regulatory and Guidance	Adopt on-site retention basin program in conjunction with development to address excessive stormwater / firefighting water source.
266	City of Cibolo - Prohibit Animal Shelters in Hazard Areas	Regulatory and Guidance	Prohibit animal shelters in known hazard areas.
267	City of Cibolo and Seguin - Increase Number of Flood Insurance Policies	Regulatory and Guidance	Undertake an initiative to increase the number of flood insurance policies.
268	City of Cibolo-Community Rating System	Regulatory and Guidance	Join the Community Rating System program to provide discounts to flood policy holders.
269	City of Cibolo-Floodplain Ordinance	Regulatory and Guidance	Restrict future development in high-risk areas.
270	City of Cibolo-Floodplain Ordinance	Regulatory and Guidance	Prohibit animal shelters in known hazard areas.
271	City of Cibolo-National Flood Insurance Program	Regulatory and Guidance	Join the National Flood Insurance Program (NFIP).
272	City of Cibolo-On-site Detention/Retention	Regulatory and Guidance	Adopt on-site retention basin program in conjunction with development to address excessive stormwater / firefighting water source.
273	City of Dripping Springs - Attend Local Floodplain Management Courses to Receive Certification	Regulatory and Guidance	Send additional members of staff or elected officials to training to become a Certified Floodplain Manager. Send existing Floodplain Administrator to advanced floodplain management courses.
274	City of Flatonia - Structural Regulation Improvements	Regulatory and Guidance	Adopt 2015 IBC regulations and stricter building codes to mitigate the effects of hazards.
275	City of Hays - Creation of Community Evacuation Plans	Regulatory and Guidance	Create evacuation plans for quick exit from the community.
276	City of Hays - Floodplain/Floodway Audit	Regulatory and Guidance	Quarterly efforts to ensure that unauthorized encroachments, such as private dams, are not allowed in the floodway.
277	City of Ingram-Floodplain Ordinance	Regulatory and Guidance	The City of Ingram will re-evaluate all relevant ordinances including but not limited to Flood Damage Prevention Ordinance and Use of Land or Structures Ordinance. Improve existing ordinances when possible, and provide greater opportunity for overall enforcement
278	City of Kerrville - Develop and Implement a New Flood Damage Prevention Ordinance	Regulatory and Guidance	The jurisdiction will re-evaluate existing flood damage prevention and reduction measures to identify strengths and weaknesses to develop and enforce a new flood damage prevention ordinance.
279	City of Kerrville-Floodplain Ordinance	Regulatory and Guidance	The City of Kerrville will re-evaluate all existing floodplain construction restrictions to identify strengths and weaknesses to produce a standalone floodplain development restriction ordinance, update its existing flood damage prevention ordinance
280	City of Niederwald - Floodplain Management Courses to Receive Certification	Regulatory and Guidance	Send member of the staff or elected official to training to become a Certified Floodplain Manager
281	City of Niederwald - Residential Development Permit Enhancement for Flood Mitigation	Regulatory and Guidance	Improve residential building permit to clarify floodplain information and reference required elevation certificates for development in Special Flood Hazard Area.
282	City of Niederwald-Floodplain Ordinance	Regulatory and Guidance	Improve residential building permit to clarify floodplain information and reference required elevation certificates for development in Special Flood Hazard Area.
283	City of San Marcos - Become Part of the SITES Program	Regulatory and Guidance	Becomes part of SITES rating system.
284	City of San Marcos - Encourage Installation of Green Roofs	Regulatory and Guidance	Encourage the installation of green roofs, vertical gardens, and sunshades in downtown area and other feasible locations to regulate temperature and humidity, reduce environmental pollution, and create shaded urban spaces.
285	City of San Marcos - Encourage Use of Permeable Driveways/Parking Lots	Regulatory and Guidance	Encourage use of permeable driveways/parking lots for new construction city-owned property.
286	City of San Marcos - Incorporate Green Initiatives	Regulatory and Guidance	Incorporate green initiatives into City's local codes and ordinances such as sink water into soil landscaping design, Silva Cells/blue green technology, bioswales, etc.
287	City of San Marcos - Installation of Green Roofs	Regulatory and Guidance	Consider the installation of green roofs on new construction of city-owned property and encourage such rooftops on commercial properties.
288	City of San Marcos-Floodplain Ordinance	Regulatory and Guidance	Ordinance update to require any public facility location be reviewed against hazard area layers to require location selections consider the safest possible locations, with applicable mitigation standards required during development permitting for

	Sponsor - Action	Type	Description
289	City of San Marcos-Floodplain Ordinance	Regulatory and Guidance	Ordinance No. 2016-50 Flood Damage Prevention
290	City of Seguin-Floodplain Ordinance	Regulatory and Guidance	Restrict future development in high-risk areas.
291	City of Seguin-Green Infrastructure Program	Regulatory and Guidance	Establish, adopt, and implement a "green infrastructure" program for parks, nature preserves, greenbelts, etc.
292	City of Uhland - CFM Training and CFM Certification	Regulatory and Guidance	Sending designated Floodplain Administrator to floodplain management courses and to test for Certification as a Certified Floodplain Manager
293	City of Uhland - Watershed Review Tour for Private Dams	Regulatory and Guidance	Plan to enforce flood damage prevention ordinance by inspecting for unauthorized private dams in the floodway and requiring no-rise studies to ensure neighboring properties are not put at risk.
294	City of Uhland-Floodplain Enforcement	Regulatory and Guidance	Plan for how to enforce flood damage prevention ordinance against encroachments in the floodway by inspecting for private dams that are not authorized and requirement of no-rise study when they are found to ensure neighbors are not at risk to be negatively impacted
295	City of Wimberley - Adopt Higher Standards for Flood Damage Prevention Ordinance	Regulatory and Guidance	Adopt 2-foot freeboard in existing ordinance for new development and substantial repairs
296	City of Wimberley - Attend Advanced Local Floodplain Management Courses to Receive Certification	Regulatory and Guidance	Send certified member of staff to advanced courses.
297	City of Wimberley - Restriction on Development along Blanco River	Regulatory and Guidance	Specific ordinance that limits development along the river to mitigate loss of life and property
298	City of Wimberley-Floodplain Enforcement	Regulatory and Guidance	Plan for how to enforce flood damage prevention ordinance against encroachments in the floodway by inspecting for private dams that are not authorized and requirement of no-rise study when they are found to ensure neighbors are not at risk to be negatively impacted.
299	City of Wimberley-Floodplain Ordinance	Regulatory and Guidance	Adopt 2-foot freeboard in existing ordinance for new development and substantial repairs
300	City of Wimberley-Floodplain Ordinance	Regulatory and Guidance	Specific ordinance that limits development along the river to mitigate loss of life and property
301	City of Woodcreek - CFM Training and CFM Certification	Regulatory and Guidance	Send designated floodplain administrator to attend floodplain management courses and to test for certification as a Certified Floodplain Manager
302	City of Woodcreek - Watershed Review Tour for Private Dams	Regulatory and Guidance	Plan for how to enforce flood damage prevention ordinance against encroachments in the floodway by inspecting for private dams that are not authorized and requirement of no-rise study when they are found
303	City of Woodcreek-Floodplain Enforcement	Regulatory and Guidance	Plan for how to enforce flood damage prevention ordinance against encroachments in the floodway by inspecting for private dams that are not authorized and requirement of no-rise study when they are found
304	ESD #3-Flood Risk Education	Regulatory and Guidance	Adopt and implement a program for clearing debris from bridges, drains and culverts.
305	ESD #4-Flood Risk Education	Regulatory and Guidance	Place electronic messaging boards in areas with high hazard for flooding and wildfire (8 sites @ \$87,500)
306	Guadalupe County-Floodplain Ordinance	Regulatory and Guidance	Adopt on-site retention basin program in conjunction with development to address excessive stormwater / firefighting water source.
307	Guadalupe County-Stream Restoration/Channelization	Regulatory and Guidance	Retain and maintain natural vegetation in stormwater channels.
308	Guadalupe County-Stream Restoration/Channelization	Regulatory and Guidance	Implement stream restoration/channelization program to ensure adequate drainage/diversion of stormwater.
309	Guadalupe-Blanco River Authority (GBRA) - Evaluation of Reservoir Regulation Schedule	Regulatory and Guidance	Assess and evaluate the Reservoir Regulation Schedule.
310	Guadalupe-Blanco River Authority (GBRA) - Require the Elevation of All Future Rental Cabins	Regulatory and Guidance	Require all future rental cabins to be elevate above the BFE during future Park Renovation or Expansion.
311	Hays County - Community Rating System (CRS) Application and Community Rating System Participation Benefit Report for Jurisdictions	Regulatory and Guidance	The County will pursue a CRS rating to provide discounts to flood policy holders. A County assessment of SFHA policies and potential savings will help determine if jurisdictions benefit, since CRS admin may cost more than savings.
312	Hays County-Community Rating System	Regulatory and Guidance	Join the Community Rating System program to provide discounts to flood policy holders.
313	Karnes County - Update flood information and policies	Regulatory and Guidance	Compile flood hazard and residential property data, implement acquisition/elevation program per FEMA protocol with SARA studies, and review permitting based on 100-year flood event.
314	Kendall County - Strengthen Subdivision Rules and Regulations	Regulatory and Guidance	Strengthen subdivision rules to encourage higher densities outside hazard areas and require stronger construction standards for wind, hail, wildfire, and flood. Update regs and educate developers on hazard avoidance and disaster-resistant building.
315	Kendall County-Floodplain Ordinance	Regulatory and Guidance	Strengthen subdivision rules and regulations to encourage higher densities only outside of known hazard areas and stronger construction standards to mitigate against hazards including wind, hail, wildfire, and flood.
316	Kerr County - Develop and Implement a New Flood Damage Prevention Ordinance	Regulatory and Guidance	The jurisdiction will re-evaluate existing flood damage prevention and reduction measures to identify strengths and weaknesses to develop and enforce a new flood damage prevention ordinance.
317	Kerr County - Mandate Freeboard on Structures to Reduce Flooding Damage	Regulatory and Guidance	The jurisdiction will re-evaluate all existing floodplain construction restrictions to identify strengths and weaknesses to produce a new ordinance that will reduce potential flood impacts by instituting a new freeboard requirement.
318	Mountain City-Floodplain Ordinance	Regulatory and Guidance	Create a plan to review the ordinance every 5 years and if possible, adopt 1 foot of freeboard in existing ordinance for new development and substantial repairs and include a field that requires City staff to check Flood Insurance Rate Maps before
319	Comal County Flood Measurement and Warning	Flood Measurement and Warning	Expand the current high water warning systems in Comal County by installing 50 additional systems at low water crossings.
320	Comal County Flood Measurement and Warning	Flood Measurement and Warning	Expanding emergency warning systems in Comal County by installing 6 sirens downstream of Canyon lake and 4 upstream of Canyon Lake.

	Sponsor - Action	Type	Description
321	Hays County Flood Measurement and Warning	Flood Measurement and Warning	Install flood early warning systems and sirens in areas of flood risk across Hays County.

A wide-angle photograph of a marshy landscape with a body of water in the foreground and middle ground, surrounded by green vegetation under a cloudy sky. The image is semi-transparent to allow text to be overlaid.

DISCUSSION AND POSSIBLE ACTIONS RELATED TO TASK 5A: RECOMMENDATION OF FLOOD MANAGEMENT EVALUATIONS

**FMEs INCLUDED IN THE 2023 REGIONAL
FLOOD PLAN**

FME Summary (as of June 30, 2026)

<u>FME Type</u>	<u>Count</u>
Project Planning	110
Watershed Planning	44
Preparedness	7

- 162 FMEs submitted in Cycle 1
 - Combined Hays County Channel Improvements and Detention analysis along Willow Springs Creek between McCarty Lane and the Railroad
- 14 Not Recommended
 - 6 Completed
 - 8 Withdrawn
- 303 FMEs total for Cycle 2

Full table of 161 Cycle 1 FMEs posted separately due to size/length

2023 Cycle FMEs (Sample)

FME Name	FME Description	Status of Evaluation
Guadalupe County Drainage Improvements Study	Study of solutions to upgrade undersized stormwater drains and culverts.	No Change
Guadalupe County Voluntary Buyout Program Project Planning	Project planning to develop a land acquisition program in flood hazard areas. Acquire and demolish repetitive loss properties. Acquire high risk vacant land and maintain as open space.	No Change
Guadalupe County LWC Project Planning	Project planning for proposed project to mark and place electric gates at low water crossings.	No Change
Guadalupe County Drainage Master Plan	Creation of drainage master plan for Guadalupe County, possibly in multiple phases, by watershed	No Change
Comal County Evacuation and Dam Safety Plan	Develop evacuation and dam safety plan for coordination with USACE and dam re-enforcement.	No Change
Comal County Voluntary Buyout Program Project Planning	Project planning to remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open(green)space.	No Change
Comal County Retention Dam Project Planning	Project planning for proposed project to design and construct 4 retention dams to assist in controlling flash flooding in municipalities and unincorporated areas of the county.	No Change
Comal County Drainage Master Plan	Creation of drainage master plan for Comal County, possibly in multiple phases, by watershed	No Change

2023 Cycle FMEs (Sample)

FME Name	FME Description	Status of Evaluation
Hays County Dam Inundation Maps	Conduct study and work with TCEQ to continue to develop inundation maps for all High Hazard dams.	No Change
Hays County Harden Critical Infrastructure Project Planning	Project planning to ensure new structures are structurally reinforced against natural hazards. To include, flood-proofing (if needed), freeboard, higher levels of soil compaction and proper perimeter drainage systems.	No Change
Hays County Channel Improvements and Detention analysis along Willow Springs Creek between McCarty Lane and the Railroad	Project planning for channel improvement and/or property acquisition project to reduce flood damages along Willow Springs Creek from McCarty Lane to Hunter Road.	No Change
Hays County Southeastern Property Acquisition Project Planning	Project planning for property acquisition project to mitigate repetitive loss flooding where drainage projects were analyzed and deemed ineffective for cost/ benefit reasons in southeastern Hays County.	No Change
Victoria County Planning and Development Standards Study	Conduct study for the development and implementation of county wide planning & development standards, sub-division rules, infrastructure rules and building / construction codes.	No Change
Victoria County Drainage Improvements Study	Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems, in various county locations.	No Change
Victoria County FIRMs	Engineering Studies to revise Flood Insurance Rate Maps (FIRMs) throughout the County to establish Base Flood Elevations (BFE) in areas that are currently identified as unstudied Zone As.	No Change
Victoria County Drainage Improvements around County EOC Project Planning	Project planning to improve drainage around County EOC and flood-proof facilities as necessary.	No Change
Victoria County Bridge Improvements Project Planning	Project planning to raise various County bridges above current Base Flood Elevation (BFE) levels to include such improvements as: box culverts, wingback walls, rip rap, channelization, and road base improvement.	No Change

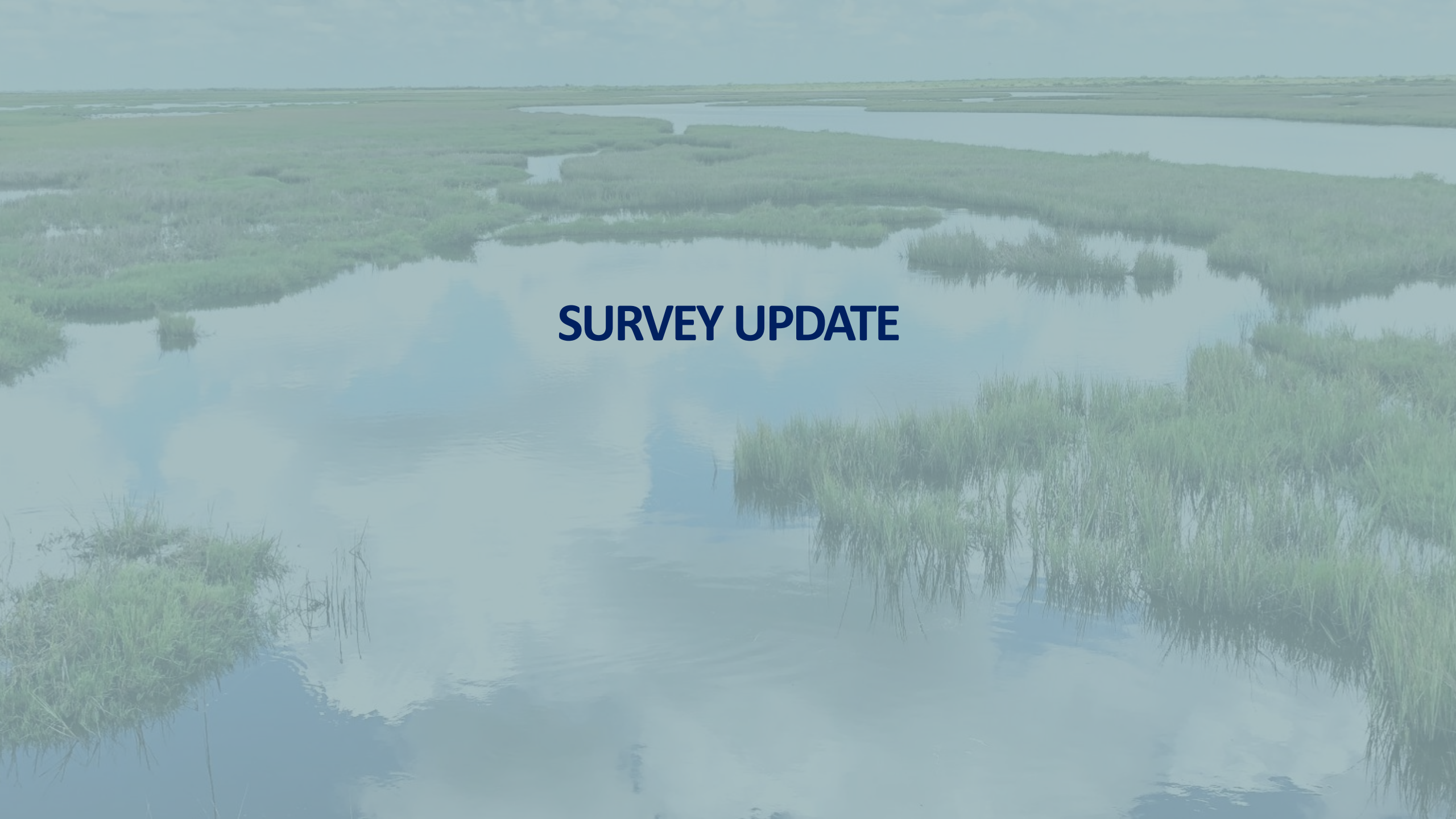
Count	FME ID	FME Name	FME Description	FME Cost	Status of evaluation
1	11-51-0000000137	Blanco County Emergency Power Generators Project Planning	Project planning to install emergency generators at critical facilities to provide back-up power from hazard events.	100000	No Change
2	11-51-0000000001	Blanco County Low Water Crossing Improvements Study	Study of solutions to upgrade and/or raise low water crossing in the county. The low water crossings most frequently and most severely flooded will be assessed for elevation and improvement (e.g., curbed and/or pedestrian walkways) roadways.	250000	No Change
3	11-51-0000000002	Blanco County Soil Conservation Plan	Develop soil conservation plan which provides information on proper land stewardship including diagram, soil map, assessment of vegetation and wildlife fuels, schedule for applying conservation practices; plan for operation and maintenance.	100000	No Change
4	11-51-0000000181	Caldwell County Assessment of Property Buyout Alternatives	Evaluate buyout alternatives for flood problem areas identified within Caldwell County	40000	No Change
5	11-51-0000000003	Caldwell County Bridge Improvements Project Planning	Project planning for proposed project to replace antiquated bridges built before 1950. These bridges cannot support the weight of emergency vehicles. In addition, upgraded bridge infrastructure would reduce backwater flooding at undersized crossings.	256000	No Change
6	11-51-0000000157	Caldwell County Cowpen Creek Near Dove Hill Drive	Evaluate projects to mitigate residential flooding on Cowpen Creek near Dove Hill Drive	50000	No Change
7	11-51-0000000163	Caldwell County CR 103 @ Morrison Creek	Evaluate upgrades to low water crossing on Morrison Creek with consideration of influence from San Marcos River	50000	No Change
8	11-51-0000000154	Caldwell County CR 146 @ Plum Creek	Evaluate bridge, low-water crossing, and roadway upgrades on CR 146 to improve level-of-service	50000	No Change
9	11-51-0000000156	Caldwell County CR 159 @ Spanish Oak Creek	Assess local drainage conditions at CR 230 and evaluate low-water crossing upgrades with consideration of backwater from NRCS Site 24	50000	No Change
10	11-51-0000000165	Caldwell County CR 208 @ Plum Creek	Evaluate low-water crossing and roadway upgrades on CR 208 to improve level-of-service	50000	No Change
11	11-51-0000000158	Caldwell County CR 221 and CR 233 @ Elm Creek	Evaluate low-water crossing and roadway upgrades at intersection of CR 221 and CR 233 to improve level-of-service	50000	No Change
12	11-51-0000000155	Caldwell County CR 230 @ Clear Fork Plum Creek	Evaluate low-water crossing and roadway upgrades on CR 230 to improve level-of-service	50000	No Change
13	11-51-0000000162	Caldwell County Dickerson Creek Near CR 111	Evaluate projects to mitigate residential flooding on Dickerson Creek with consideration of influence from San Marcos River	50000	No Change
14	11-51-0000000004	Caldwell County Emergency Service District #1 Drainage and Utility Plan	Develop a drainage and utility plan.	100000	No Change
15	11-51-0000000006	Caldwell County Emergency Service District #3 Repetitive Loss Property Mitigation Study	Study of identify flood-prone and repetitive loss properties through the Texas Water Development Board and identify and study solutions to reduce or eliminate flooding at identified properties.	1000000	No Change
16	11-51-0000000005	Caldwell County Emergency Service District #3 River Crossing Improvements Study	Study solutions to upgrade river crossings throughout the district including but not limited to Scull Road Bridge.	1000000	No Change
17	11-51-0000000007	Caldwell County Emergency Service District #4 Fire Station 2 Project Planning	Planning for proposed project to build a swell and raise driveway of Fire Station 2 to prevent inundation of facility and to keep station in service during major storm events.	100000	No Change
18	11-51-0000000164	Caldwell County FEWS	Study of Flood Early Warning System	50000	No Change
19	11-51-0000000153	Caldwell County FM 1322 @ Plum Creek	Evaluate bridge and roadway upgrades on FM 1322 to improve level-of-service	50000	No Change
20	11-51-0000000161	Caldwell County Hemphill Creek Between SH 142 and SH 80	Evaluate projects to mitigate residential flooding on Hemphill Creek with consideration of influence from San Marcos River	50000	No Change
21	11-51-0000000159	Caldwell County McMahan VFD @ Tenney Creek	Evaluate projects to mitigate flooding at critical facility	50000	No Change
22	11-51-0000000166	Caldwell County Mebane Creek Channel Improvements	Evaluate channel improvements discussed in GBRA Interim Feasibility Study Phase II to mitigate residential flooding upstream of Clear Fork St.	50000	No Change
23	11-51-0000000167	Caldwell County Mebane Creek Floodwall	Evaluate floodwall alternative discussed in GBRA Interim Feasibility Study Phase II to mitigate residential flooding along Blue Stem Dr.	50000	No Change
24	11-51-0000000152	Caldwell County Plum Creek Near US 183 and I-10 Intersection	Evaluate projects to mitigate residential and commercial flooding on Plum Creek with consideration of influence from San Marcos River	60000	No Change
25	11-51-0000000160	Caldwell County Rolling Oaks @ Ebbon Road	Assess local drainage conditions on Rolling Oaks Drive and evaluate projects to address nuisance flooding	50000	No Change
26	11-51-0000000168	Caldwell County Town Branch Detention	Evaluate regional detention basin alternative discussed in GBRA Interim Feasibility Study Phase II to mitigate structural flooding within Lockhart.	60000	No Change
27	11-51-0000000008	Canyon Regional Water Authority Hays Caldwell Water Treatment Plant Floodwall Project Planning	Project planning for Canyon Regional WA - Hays Caldwell Water Treatment Plant Floodwall Project	159355	No Change
28	11-51-0000000009	Center Point ISD Drainage Improvements Study	Study of solutions to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	100000	No Change
29	11-51-0000000012	City of Buda Dam Study	Study to evaluate dam failure risks, planning for structural and nonstructural measures to protect the integrity of the earthen fill dams.	500000	No Change
30	11-51-0000000013	City of Bulverde Drainage Improvements Study	Study of solutions to replace existing culverts with larger ones, improve drainage channels; clear-out existing drainage channels; survey and remove hazardous trees from drainage systems.	150000	No Change
31	11-51-0000000014	City of Bulverde Local Flooding Study	Study of solutions to elevate some segments of roadways in various portions of the community to address localized flooding issues.	100000	No Change
32	11-51-0000000010	City of Cibolo and Seguin Road Access and Conditions Study	Study to evaluate access and road conditions for response vehicles, develop and implement options to improve access and/or add redundant access routes in high risk areas.	500000	No Change
33	11-51-0000000011	City of Cibolo and Seguin USACE Study	Undertake a comprehensive study of flood risk and reduction alternatives, with the assistance of the U.S. Army Corps of Engineers. Project planning to implement feasible alternatives for flood reduction.	1000000	No Change
34	11-51-0000000102	City of Cuero City Public Service Station Project Planning	Project planning for proposed project to retrofit or floodproof City Public Service Station currently under renovation. Facility will serve as secondary location for community offices and critical utility service data and equipment	100000	No Change

Count	FME ID	FME Name	FME Description	FME Cost	Status of evaluation
35	11-51-0000000101	City of Cuero Drainage Improvements Study	Study of solutions to improve drainage and stormwater system to reduce drainage and flooding issues.	150000	No Change
36	11-51-0000000103	City of Cuero WWTP Floodproofing Project Planning	Project planning to floodproof/retrofit older components of the Cuero Wastewater Treatment Plant subject to flooding.	100000	No Change
37	11-51-0000000015	City of Flatonia Drainage Project Planning	Project planning for proposed project to make culvert and drainage ditch improvements from just south of the Union Pacific Railroad at US 90 to the north side frontage road of I-10.	2739000	No Change
38	11-51-0000000016	City of Flatonia WWTP Floodproofing Project Planning	Project planning for proposed project to floodproof Waste Water Treatment Plant	100000	No Change
39	11-51-0000000017	City of Garden Ridge Drainage Improvements Project Planning	Project planning to complete final phase of drainage infrastructure upgrades.	100000	No Change
40	11-51-0000000019	City of Gonzales Tinsley Creek Flood Mitigation Project Planning	Project planning for proposed improvements along Tinsley Creek include replacing a low water crossing at Johnson Street, adding culverts under Johnson Street, and replacing box culvert crossings with free span bridge crossings at several streets.	430000	Ongoing
41	11-51-0000000018	City of Gonzales Tinsley Creek Improvement Project Planning	Project planning to upgrade aging infrastructure that was overwhelmed during Hurricane Harvey. Projects may include replacing box culvert bridges, replacing box culvert bridges with clear span bridges, and relocating utilities within the stream bed.	600000	Ongoing
42	11-51-0000000020	City of Ingram Drainage Improvements Study	Study of solutions to upgrade existing storm drainage infrastructure to reduce the potential impacts of future flood events.	100000	No Change
43	11-51-0000000029	City of Kerrville Circle Avenue Drainage Channel Project Planning	Project planning for proposed channel and street improvement project to alleviate sedimentation and erosion issues at the intersection of Culberson Avenue and Circle Avenue.	100000	No Change
44	11-51-0000000148	City of Kerrville Clay Street Drainage and Kroc Center Detention Pond Spillway Improvements	Develop required technical data for FMP. Project planning for detention pond spillway improvement project.	15000	No Change
45	11-51-0000000149	City of Kerrville Coronado Drive and Junction Highway Drainage Improvements	Develop required technical data for FMP. Project planning for street and drainage improvement project.	15000	No Change
46	11-51-0000000031	City of Kerrville Harper Road to Town Creek (Fay Drive) Drainage Improvements Study	Study of solutions to implement drainage improvements on Harper Road to Town Creek (Fay Drive).	150000	No Change
47	11-51-0000000028	City of Kerrville Harper Street between Culberson Avenue and Lewis Avenue Project Planning	Project planning for proposed storm drain system project to relieve localized flooding and excessive ponding that occurs throughout Harper Street.	180000	No Change
48	11-51-0000000026	City of Kerrville Hill Country Drive at SH 16 Project Planning	Project planning for proposed project to raise the roadway profile and regrade Hill Country Drive, and increase the downstream pipe capacity at Hill Country Drive.	245000	No Change
49	11-51-0000000030	City of Kerrville Jack Drive - Undersized Inlet Project Planning	Project planning for proposed street and drainage improvements project to relieve road and property flooding from occurring directly downstream of Jack Drive's existing undersized inlet.	240000	No Change
50	11-51-0000000023	City of Kerrville Park Street Low Water Crossing Project Planning	Project planning for proposed project to improve or replace the Park Street Low Water Crossing.	340000	No Change
51	11-51-0000000022	City of Kerrville Pinto Trail Project Planning	Project planning for proposed project to provide flood relief to the properties adjacent to the channel at risk of flooding, including widening existing channels, constructing a grass-lined trapezoidal channel, and seeding the proposed earthen channels.	100000	No Change
52	11-51-0000000147	City of Kerrville Spring Street Project	Develop required technical data for FMP. Project planning for storm drain and channel improvement project.	15000	No Change
53	11-51-0000000034	City of Kyle - N. Bursleson Street Drainage Improvements Project Planning	Project planning for proposed project to conduct street reconstruction and drainage improvements to minimize flooding in the downtown area.	983000	Withdrawn
54	11-51-0000000033	City of Kyle Prairie and Woodland Restoration Plan	Prepare and implement a prairie or woodland restoration plan for 1 or more of Kyle's park properties. Selection of a municipal park where all or a portion of the site may be restored to a natural grassland or woodland (Kensington Park)	250000	No Change
55	11-51-0000000035	City of Lockhart Drainage Improvements Study	Study to identify Capital Improvements to Municipal Drainage System and study solutions to upgrade system to improve drainage capacity and reduce flood damages.	2400000	No Change
56	11-51-0000000036	City of Lockhart USACE Study	Undertake a comprehensive study of flood risk and reduction alternatives with USACE, covering all incorporated and unincorporated areas of the city that currently have limited studies with no determined base flood elevations as well as unmapped	360000	No Change
57	11-51-0000000037	City of Luling Drainage Improvements Study	Study of solutions to upgrade undersized stormwater drains and culverts.	150000	No Change
58	11-51-0000000038	City of Martindale Drainage Improvements Study	Study of solutions to upgrade undersized stormwater drains and culverts.	100000	No Change
59	11-51-0000000039	City of Mountain City Repetitive Loss Structure Mitigation Study	Study of solutions to floodproof or otherwise mitigate repetitive loss structures that have been identified by FEMA for the number of flood insurance claims.	150000	No Change
60	11-51-0000000043	City of New Braunfels - Box Culvert Installation to Reduce Flood Risk on Blieders Creek, Comal River and Landa Park Project Planning	Project planning for proposed drainage improvements project to reduce flooding in the Blieders Creek and German Creek watersheds by conveying flows to the Guadalupe River. The project is also intended to relieve flooding in the Landa Park area.	878000	Completed
61	11-51-0000000045	City of New Braunfels Dry Comal Creek Tributary East Watershed Project Planning	Study to analyze drainage conveyance and flooding issues within the Dry Comal Creek Tributaries East area (Kerlick Lane/Encino Drive/Mission Drive) and project planning for solutions within project area.	344000	No Change
62	11-51-0000000049	City of New Braunfels Dry Comal Creek West Watershed Project Planning	Project planning for solutions to minimize flooding issues within the Cedar Elm Street, Landa-Madeline drainage area.	126000	Withdrawn
63	11-51-0000000047	City of New Braunfels Hunters Creek Regional Project Planning	Study to analyze drainage conveyance and flooding issues within the Hunters Creek area including the detention facility for the Westpointe development and project planning for solutions within project area.	211000	Withdrawn
64	11-51-0000000150	City of New Braunfels River Road (Lakeview Blvd – Loop 337) Low Water Crossing Project Planning	Improve low water crossing access and multimodal connectivity. Includes a hydraulic bridge structure to improve access over the floodplain and the intersection at Lakeview Blvd. Possible coordination with Blieders Creek/German Creek Drainage Project.	250000	No Change
65	11-51-0000000048	City of New Braunfels South Guadalupe Tributary Watershed Project Planning	Study to analyze drainage conveyance and flooding issues within the South Guadalupe River tributary area (Mesquite/Eastman/Oleander/Walnut Heights) and project planning for solutions within project area.	168000	Withdrawn
66	11-51-0000000144	City of New Braunfels Wood Road/Landa Street Drainage Improvement	Project planning for drainage improvement project to capture runoff east of Walnut Avenue and detains it in a 12-acre detention pond with 144 acre-feet of storage capacity. The pond outfall structure discharges to an existing channel south of Wood Road.	3575700	Completed
67	11-51-0000000051	City of Niederwald Engineering Review of City Hall	Contract a consultation from an engineer to review the new City Hall building to ensure its resiliency (modular building that holds community documents and archives).	10000	No Change
68	11-51-0000000052	City of Nixon Voluntary Buyout Program Project Planning	Project planning to develop and implement a program to buyout NFIP repetitive loss properties.	150000	No Change

Count	FME ID	FME Name	FME Description	FME Cost	Status of evaluation
69	11-51-000000060	City of San Marcos - Extension of River Ridge Parkway West Project Planning	Project planning for proposed project identified through the San Marcos Transportation Plan, to increase the ability to divert traffic during flooding events	298000	No Change
70	11-51-0000000172	City of San Marcos Atlas 14 H&H Model Updates	Development of new City-Wide (and ETJ) H&H models, using Atlas 14 rainfall data and possible evaluation of flood reduction alternatives.	1500000	No Change
71	11-51-0000000171	City of San Marcos Drainage Master Plan	Creation of a drainage master Plan update for the City of San Marcos, including updates to regulations, policies, and criteria.	500000	No Change
72	11-51-0000000174	City of San Marcos Gauges for Phase 2 of city-wide FEWS	Project planning for installation of 14 additional stream/rain gauges and development of a real time flood warning system throughout the City.	2000000	No Change
73	11-51-0000000056	City of San Marcos Low Water Crossing at Jackman Project Planning	Project planning to replace low water crossing at Jackman	150000	No Change
74	11-51-0000000057	City of San Marcos Low Water Crossing at Mitchell and Purgatory Creek Project Planning	Project planning to replace low water crossing at Mitchell and Purgatory Creek	200000	No Change
75	11-51-0000000058	City of San Marcos LWC at River Road and Railroad Trestle/Blanco River Project Planning	Project planning to replace low water crossing at River Road and Railroad Trestle/Blanco River	150000	No Change
76	11-51-0000000059	City of San Marcos LWC at S LBJ and Purgatory Creek Project Planning	Project planning to replace low water crossing at S LBJ and Purgatory Creek	150000	No Change
77	11-51-0000000055	City of San Marcos Modeling of Purgatory Creek and Willow Springs Creek Overflow Area	2-Dimensional Modeling of the Purgatory Creek and Willow Springs Creek Overflow Area	271000	No Change
78	11-51-0000000054	City of San Marcos Regional Detention Study	Study of solutions for regional detention and water quality strategies.	200000	Withdrawn
79	11-51-0000000142	City of San Marcos South LBJ Drive at Willow Springs Creek Project Planning	Alternatives analysis to determine if a feasible FMP exists at this location. Develop technical data required for FMPs.	50000	No Change
80	11-51-0000000177	City of San Marcos Upper San Marcos Site 4 & 5 Dam Evaluations	This project planning will include a re-evaluation of NRCS dams 4 and 5 with Atlas 14 rainfall and an analysis of potential updates to the dams that could improve flood reduction within the City of San Marcos.	300000	No Change
81	11-51-0000000169	City of San Marcos USACE Regional Flooding Mitigation Bypass Channel Project Planning	Update existing study for alternatives, preliminary engineering and design of selected alternative	740000	No Change
82	11-51-0000000064	City of Seguin City-wide Drainage Improvements Project Planning	Project planning to increase Regional Detention, Channel & Drainage System Improvements.	200000	Withdrawn
83	11-51-0000000066	City of Seguin Citywide Drainage Project Planning	Project planning for four priority drainage projects within the City of Seguin that would greatly improve the safety of their 25,520 residents. Project areas include North Guadalupe, North Heideke, Mays Creek and Walnut Branch.	4304000	Withdrawn
84	11-51-0000000182	City of Seguin Low Water Crossing Study for Ingress and Egress	Study of solutions for drainage improvements at low water crossings and provide additional means of access into single-entry neighborhoods.	1500000	No Change
85	11-51-0000000184	City of Seguin Regional Drainage Improvements Study	Identify projects that will reduce or eliminate existing flooding risks in the Youngs Creek, Cottonwood Creek, Geronimo Creek and Long Branch-Mill Creek watersheds	500000	No Change
86	11-51-0000000183	City of Seguin Regional Drainage Master Plan	Identify and develop information for hazard mitigation planning along the channels included in the study.	1100000	Completed
87	11-51-0000000067	City of Seguin Sewage Treatment Plant Floodproofing Project Planning	Project planning for proposed project to flood-proof sewage treatment plants in flood hazard / low-lying areas.	100000	No Change
88	11-51-0000000065	City of Seguin Voluntary Buyout Program Project Planning	Project planning to develop an acquisition and elevation program in flood hazard areas. Elevate or acquire and demolish repetitive loss properties. Acquire high risk vacant land and maintain as open space.	300000	No Change
89	11-51-0000000068	City of Uhland Drainage Improvement Project Planning	Project planning for proposed project to mitigate against flooding by increasing the capacity of drainage routes to contain the storm water. Proposed drainage improvements will reduce flood waters backing up into the City.	1334000	No Change
90	11-51-0000000074	City of Victoria - Storm Sewer Improvements Project Planning	Project planning for project to replace storm sewer pipe under 18-inch diameter (29.9 miles). As a result of overland flow analysis and Storm Sewer System Level of Service Analysis, it was determined to replace all pipe less than 18-inch diameter.	3946100	No Change
91	11-51-0000000075	City of Victoria Clean and Televis Storm Sewers Project Planning	Project planning for proposed project to clean and televise storm sewers (165.7 miles). As a result of overland flow analysis and Storm Sewer System Level of Service Analysis, it was determined to clean and televise storm sewers.	1662106	No Change
92	11-51-0000000069	City of Victoria Drainage Improvement Study	Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems in various City locations.	1000000	Completed
93	11-51-0000000072	City of Victoria Flood Gate Project Planning	Project planning for proposed project to rehabilitate, repair, or replace the City of Victoria's existing flood gates, install additional flood gates as appropriate, and construct a storm water lift station in an area to be determined by study.	45000	Completed
94	11-51-0000000070	City of Victoria Harden Critical Infrastructure Project Planning	Project planning to harden city buildings, critical infrastructure, and government buildings. Hardening of non-governmental facilities that have been identified as crucial in the response and recovery to/of emergencies and disasters.	100000	No Change
95	11-51-0000000076	City of Victoria Regrade Priority Ditches and Driveway Culverts Project Planning	Project planning for proposed drainage improvements. As a result of a roadside ditch capacity evaluation, it was determined that 23 miles of ditch and 669 driveway culverts are negatively impacting conveyance capacity and need to be regraded.	1165853	No Change
96	11-51-0000000077	City of Victoria Repair Channel Failures & Sediment Removal Project Planning	Project planning for proposed channel improvements. Using field visits and drone footage, it was determined to repair 33,657 sq ft of concreted lined channel, 11,829 sq ft of earthen channel, and remove 227,099 sq ft of sediment.	276201	No Change
97	11-51-0000000073	City of Victoria Spring Creek Drainage Master Plan Project Planning	Updating the current City of Victoria Master Drainage Plan to include new land use development and the hydrologic and hydraulic changes to Spring Creek watershed.	800000	No Change
98	11-51-0000000078	City of Victoria Stream Restoration Study	Study to implement a stream restoration/channelization program to ensure adequate drainage/diversion of storm water, throughout various City low water crossings, streambeds, creek sheds, tributaries, and riverine areas.	500000	No Change
99	11-51-0000000071	City of Victoria Voluntary Buyout Program Project Planning	Project planning to implement a voluntary acquisition program for repetitive flood properties.	150000	No Change
100	11-51-0000000140	City of Victoria Waste Water Treatment Plant Protection Project	Project planning for potential erosion protection and streambank stabilization project intended to protect the levee around the City's wastewater plant.	300000	No Change
101	11-51-0000000079	City of Waelder Voluntary Buyout Program Project Planning	Project planning to develop and implement a program to buyout NFIP repetitive loss properties.	150000	No Change
102	11-51-0000000080	City of Wimberley Drainage Master Plan	Creation of drainage master plan for City of Wimberley to mitigate the flood hazard by defining priorities, policies, and strategies to address and remedy the drainage needs and challenges in Wimberley.	150000	No Change

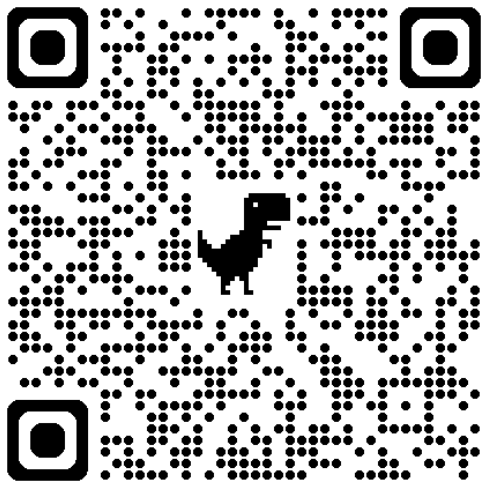
Count	FME ID	FME Name	FME Description	FME Cost	Status of evaluation
103	11-51-0000000085	City of Wimberley Flite Acres Road Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Flite Acres Road	100000	No Change
104	11-51-0000000081	City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Blanco River	100000	No Change
105	11-51-0000000086	City of Wimberley FM 1492 at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Pierce Creek	100000	No Change
106	11-51-0000000088	City of Wimberley Green Acres Dr. at Fire Station Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Green Acres Dr. at Fire Station	100000	No Change
107	11-51-0000000082	City of Wimberley Hidden Valley at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Hidden Valley at Blanco River	100000	No Change
108	11-51-0000000095	City of Wimberley Hoots Holler Low Water Crossing Project Planning	Project planning for proposed project to reconstruct low water crossing and roadway at Hoots Holler	100000	Completed
109	11-51-0000000089	City of Wimberley Leveritt's Loop Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Leveritt's Loop	100000	No Change
110	11-51-0000000083	City of Wimberley Little Arkansas at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Little Arkansas at Blanco River	100000	No Change
111	11-51-0000000094	City of Wimberley Little Ranches at Panther Creek Low Water Crossing Project Planning	Project planning for proposed project to reconstruct low water crossing and roadway at Little Ranches at Panther Creek	100000	No Change
112	11-51-0000000092	City of Wimberley Paradise Hills Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Paradise Hills	100000	No Change
113	11-51-0000000091	City of Wimberley River Road at Western City Limit Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at River Road at Western City Limit	100000	No Change
114	11-51-0000000093	City of Wimberley River Road Reconstruction Project Planning	Project planning for proposed project to reconstruct roadway along Blanco River	100000	No Change
115	11-51-0000000090	City of Wimberley Spoke Hollow Dr. at Spoke Pile Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Spoke Hollow Dr. at Spoke Pile Creek	100000	No Change
116	11-51-0000000084	City of Wimberley Valley Drive at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Valley Drive at Pierce Creek	100000	No Change
117	11-51-0000000087	City of Wimberley Wilson Creek at River Road Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Wilson Creek at River Road	100000	No Change
118	11-51-0000000175	Comal County Drainage Master Plan	Creation of drainage master plan for Comal County, possibly in multiple phases, by watershed	3000000	No Change
119	11-51-0000000096	Comal County Evacuation and Dam Safety Plan	Develop evacuation and dam safety plan for coordination with USACE and dam re-enforcement.	50000	No Change
120	11-51-0000000100	Comal County Master Water Improvement District River Road Low Water Crossing Improvement Project Planning	Project planning for proposed project to implement low water crossing improvements at River Road.	700000	No Change
121	11-51-0000000099	Comal County Retention Dam Project Planning	Project planning for proposed project to design and construct 4 retention dams to assist in controlling flash flooding in municipalities and unincorporated areas of the county.	8000000	No Change
122	11-51-0000000098	Comal County Voluntary Buyout Program Project Planning	Project planning to remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open(green)space.	357000	Withdrawn
123	11-51-0000000105	DeWitt County (City of Nordheim) Flash Flood Mitigation Project Planning	Project planning for proposed project to construct necessary barriers or berms to reduce impact of runoff from flash floods onto neighborhoods, streams, and impacting community water wells from proposed Pilot Knob landfill.	150000	No Change
124	11-51-0000000106	Gillespie County Low Water Crossing Improvements Project Planning	Project planning to place automatic warning signs at 35 documented low water crossings in the county	50000	No Change
125	11-51-0000000176	Goliad County Drainage Master Plan	Creation of drainage master plan for Goliad County, possibly in multiple phases, by watershed	1000000	No Change
126	11-51-0000000107	Gonzales County Voluntary Buyout Program Project Planning	Project planning to develop and implement a program to buyout NFIP repetitive loss properties.	150000	No Change
127	11-51-0000000104	Green DeWitt Drainage District Channel Improvements Project Planning	Project planning for proposed project to install drop basket structure and reconstruct drainage channels to control flooding and erosion. Structure will assist in stabilizing banks and holding bottoms of channel on grade	250000	No Change
128	11-51-0000000143	Green DeWitt Drainage District Cuero Levee Study and Alternate Flood Risk Reduction Actions	Feasibility study of potential levee and crossing improvements to protect City from river flooding with risk to life/safety and catastrophic damage, as has been experienced in Cuero on numerous occasions.	403000	No Change
129	11-51-0000000109	Guadalupe County Drainage Improvements Study	Study of solutions to upgrade undersized stormwater drains and culverts.	3000000	No Change
130	11-51-0000000170	Guadalupe County Drainage Master Plan	Creation of drainage master plan for Guadalupe County, possibly in multiple phases, by watershed	2500000	No Change
131	11-51-0000000111	Guadalupe County LWC Project Planning	Project planning for proposed project to mark and place electric gates at low water crossings.	2000000	No Change
132	11-51-0000000110	Guadalupe County Voluntary Buyout Program Project Planning	Project planning to develop a land acquisition program in flood hazard areas. Acquire and demolish repetitive loss properties. Acquire high risk vacant land and maintain as open space.	150000	No Change
133	11-51-0000000108	Guadalupe-Blanco River Authority FEMA Cooperating Technical Partners (CTP) Modeling and Mapping	GBRA has entered into a partnership with FEMA by which GBRA commissions an engineering firm to perform flood inundation modeling and mapping, and dams in series modeling.	250000	No Change
134	11-51-0000000114	Hays County Channel Improvements and Detention analysis along Willow Springs Creek between McCarty Lane and the Railroad	Project planning for channel improvement and/or property acquisition project to reduce flood damages along Willow Springs Creek from McCarty Lane to Hunter Road.	1040000	No Change
135	11-51-0000000118	Hays County Community Flood Mitigation Project Planning	Hays County Community Flood Mitigation Project Planning	238035	No Change
136	11-51-0000000112	Hays County Dam Inundation Maps	Conduct study and work with TCEQ to continue to develop inundation maps for all High Hazard dams.	500000	No Change

Count	FME ID	FME Name	FME Description	FME Cost	Status of evaluation
137	11-51-0000000180	Hays County Drainage Master Plan	Drainage Master Plan, implemented in multiple phases by watershed, with a focus on developing new Atlas 14 flood risk models and maps, and identification of flood reduction projects, in guadalupe watershed, approximately half of county footprint	1500000	No Change
138	11-51-0000000113	Hays County Harden Critical Infrastructure Project Planning	Project planning to ensure new structures are structurally reinforced against natural hazards. To include, flood-proofing (if needed), freeboard, higher levels of soil compaction and proper perimeter drainage systems.	100000	No Change
139	11-51-0000000116	Hays County Southeastern Property Acquisition Project Planning	Project planning for property acquisition project to mitigate repetitive loss flooding where drainage projects were analyzed and deemed ineffective for cost/ benefit reasons in southeastern Hays County.	800000	No Change
140	11-51-0000000119	Hunts ISD Storm Drainage Infrastructure Project Planning	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	100000	No Change
141	11-51-0000000120	Ingram ISD Construct New Storm Drainage Infrastructure	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	100000	No Change
142	11-51-0000000121	Ingram ISD Improve Existing Storm Drainage Infrastructure	Project planning to upgrade existing storm drainage infrastructure to reduce the potential impacts of future flood events.	100000	No Change
143	11-51-0000000173	Kendall County Drainage Master Plan	Creation of drainage master plan for Kendall County	500000	No Change
144	11-51-0000000145	Kendall County Guadalupe River Model Study	Study to complete an HH model for all of the Guadalupe River within Kendall County.	250000	No Change
145	11-51-0000000146	Kendall County Stream Gauges and Flood Hazard Beacons	Study to evaluate locations for stream gauges and flood hazard beacons.	150000	No Change
146	11-51-0000000122	Kerr County Center Point Storm Drainage Infrastructure Project Planning	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	125000	No Change
147	11-51-0000000123	Kerr County Dam Integrity Study	Create a dam integrity study and identify repairs to be made to County dams as necessary.	500000	No Change
148	11-51-0000000179	Kerr County Drainage Master Plan	Drainage Master Plan, implemented in multiple phases by watershed, with a focus on developing new Atlas 14 flood risk models and maps, and identification of flood reduction projects	3000000	No Change
149	11-51-0000000124	Kerr ISD Storm Drainage Infrastructure Project Planning	Project planning for proposed project to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	100000	No Change
150	11-51-0000000139	Technical Study to Enhance Great Springs Project Regional Flood Mitigation	The study will assess and quantify the flood mitigation impacts of an additional 50,000 acres of land conservation and trail development and identify possible modifications of open space and trail features to enhance flood mitigation.	250000	No Change
151	11-51-0000000126	Travis County Voluntary Buyout Program Project Planning	Project planning to identify and prioritize structures for elevation as flood mitigation. Elevate flood prone structures throughout unincorporated Travis County.	300000	No Change
152	11-51-0000000127	Upper Guadalupe River Authority Evaluation of Watershed and Sediment Control Facilities and Alternate Flood Risk Reduction Actions	Study to assess flood benefits and cost effectiveness of UGRA's nine facilities, evaluating alternative risk reduction actions such as regional or distributed detention, crossing improvements, land conservation, and targeted buyouts, or others as able.	468000	No Change
153	11-51-0000000132	Victoria County Bridge Improvements Project Planning	Project planning to raise various County bridges above current Base Flood Elevation (BFE) levels to include such improvements as: box culverts, wingback walls, rip rap, channelization, and road base improvement.	500000	No Change
154	11-51-0000000131	Victoria County Drainage Improvements around County EOC Project Planning	Project planning to improve drainage around County EOC and flood-proof facilities as necessary.	100000	No Change
155	11-51-0000000129	Victoria County Drainage Improvements Study	Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems, in various county locations.	150000	No Change
156	11-51-0000000130	Victoria County FIRMs	Engineering Studies to revise Flood Insurance Rate Maps (FIRMs) throughout the County to establish Base Flood Elevations (BFE) in areas that are currently identified as unstudied Zone As.	500000	No Change
157	11-51-0000000128	Victoria County Planning and Development Standards Study	Conduct study for the development and implementation of county wide planning & development standards, sub-division rules, infrastructure rules and building / construction codes.	100000	No Change
158	11-51-0000000133	Victoria County Voluntary Buyout Program Project Planning	Project planning to implement a voluntary acquisition program for repetitive flood properties.	300000	No Change
159	11-51-0000000135	Wilson County Low Water Crossing Improvements Project Planning	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	150000	No Change
160	11-51-0000000134	Wilson County Stormwater Management Plan	Develop flood hazard information by collecting information, high water marks, and conduct engineering studies to develop the 100 year and 500 year flood elevation levels.	500000	No Change
161	11-51-0000000136	Wilson County Voluntary Buyout Program Project Planning	Project planning to establish of a voluntary aquisition and demolition program, structure relocation program, and structure elevation program to address repetitive loss, floodprone properties. Keep a database of properties.	150000	No Change



SURVEY UPDATE

Survey on flooding issues and floodplain management goals



Purpose:

Collect information and data regarding existing flood infrastructure, floodplain management, flood risk reduction (mitigation) planning and projects, emergency response, and funding..

Audience:

Encourage all potential stakeholders, including the general public

Next Steps:

Share!

[Region 11](#) [Meetings](#) [Members](#) [Contact Us](#) [Resources](#) [Documents for Public View](#) [Photos](#) [Interactive Tools/Data Upload ▾](#)

[Guadalupe Regional Flood Planning Dashboard](#)

[Interactive Tools and Survey](#)

Region 11 Guadalupe Regional Flood Planning Group (RFPG)

Senate Bill 8, 86th Texas Legislature, created a state flood planning process for Texas, through which TWDB will be administering state and regional flood plans. TWDB designated 15 planning area regions, including the Guadalupe River Basin (Region 11). The first regional flood plans are due in



PUBLIC PARTICIPATION

Task 10 – Comments Received



Comments Received from May 4 to July 5

Public Comments Received via comments@guadalupefpg.org

Topic	Comment
Email regarding amount of water being released from Canyon Dam	The comment expressed concern about the amount of water being released from Canyon Dam. Response acknowledged the receipt of the comment and noted that this issue was not within RFPG authority and referred it to GBRA.
Email regarding log jam in the Guadalupe River	The comment asked who is responsible for clearing a log jam on the Guadalupe River. Response acknowledged the receipt of the comment and noted that this issue was not within RFPG authority and referred it to GBRA.
Email regarding the availability of recordings of RFPG meetings	Kendall County Commissioner stated that due to a conflict with a Commissioners Court meeting, she asked if the July 14 RFPG meeting will be recorded and available to watch later. The response provided a link to the recordings of RFPG meetings and provided anticipated dates for the remaining RFPG meetings in 2026.
At the May 12 meeting, City of Kyle provided a comment about an ordinance for unflooded egress	City of Kyle ordinance passed in 2019-2020 requires at least one unflooded egress for any site development. Unflooded egresses included in subsequent site developments allowed for safe evacuation of residents during at least two flood events.



LOOK AHEAD

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
September 2026	FMX Action Items Supporting Chapters
November 2026	FMX Action Items Supporting Chapters
February 2027	Review Draft Regional Flood Plan *Plan to distribute to RFPG mid-January Final Actions (if any)
April 2027	Approve Draft Regional Flood Plan for Submission
May, 2027	Draft Regional Flood Plan to TWDB (May 26, 2026) *Post Draft RFP for Public Review (Tentative Late May) *Public Meeting (30 days after Posting, Tentative Late June – Early July) *Close Public Review (30 days after Public Meeting)
June / July 2027	Public Meeting(s) [Date, time, location TBD]
Potential Topics / Presentations	
- Kerrville / Kerr County Disaster Committee - Shriner Texas Institute for Hazard Risk and Readiness - TWDB Flood Tools and Research (updates) - TWDB Nature Based Design Guidance (updated timeline) (release for public comment eminent)	

Agenda Item 10

Presentation

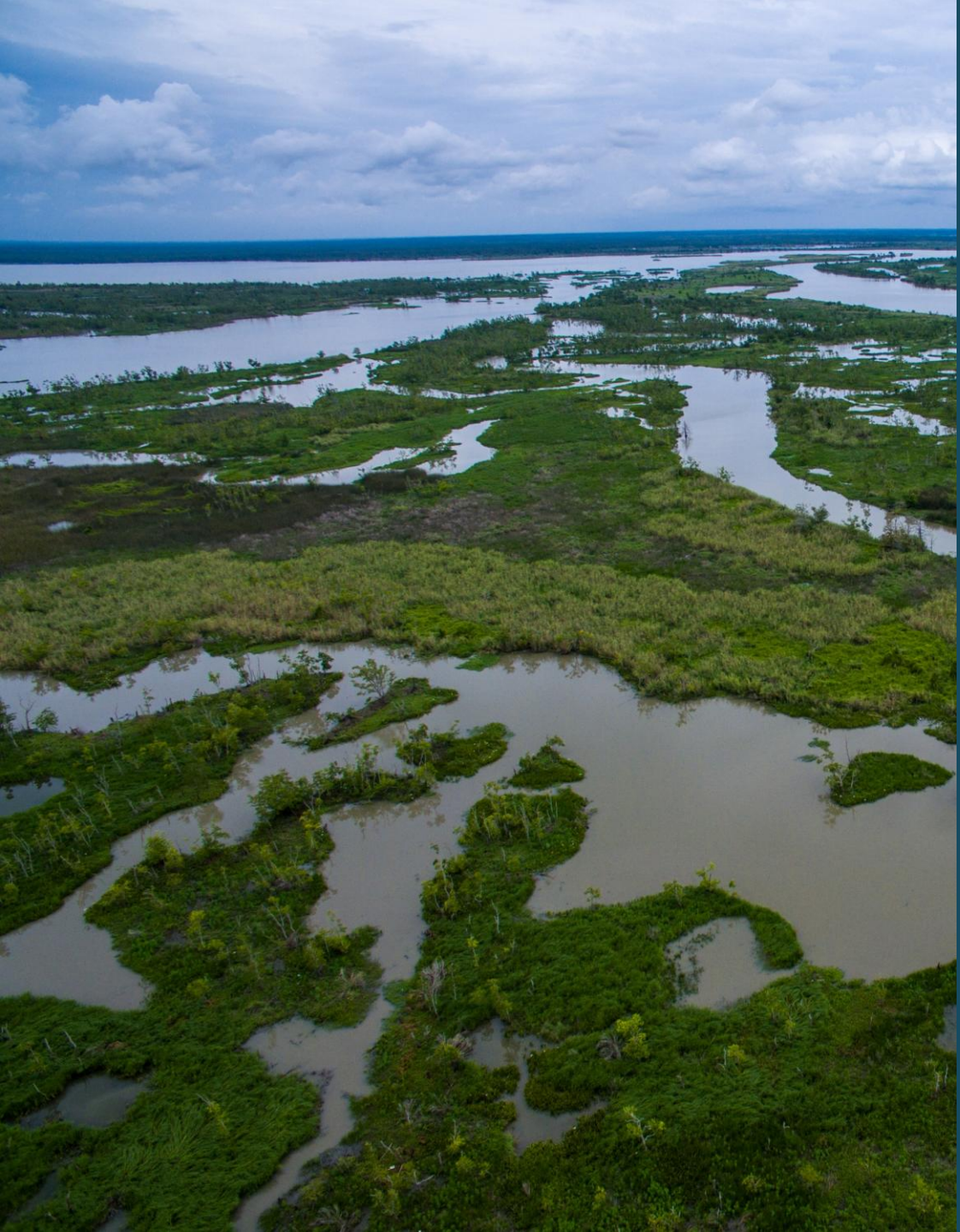
Texas General Land Office
River Basin Flood Studies



GLO River Basin Flood Studies (RBFS)

RFPG 11 Update West Region

Commissioner Dawn Buckingham, M.D.



Agenda

- Study Overview
- Study Phasing & TWDB/GLO Coordination Recap
- Alternatives Analysis Process
- Proposed Mitigation Alternatives in Region 11
- Funding & Technical Assistance
- Next Steps

GLO's River Basin Flood Studies (RBFS)

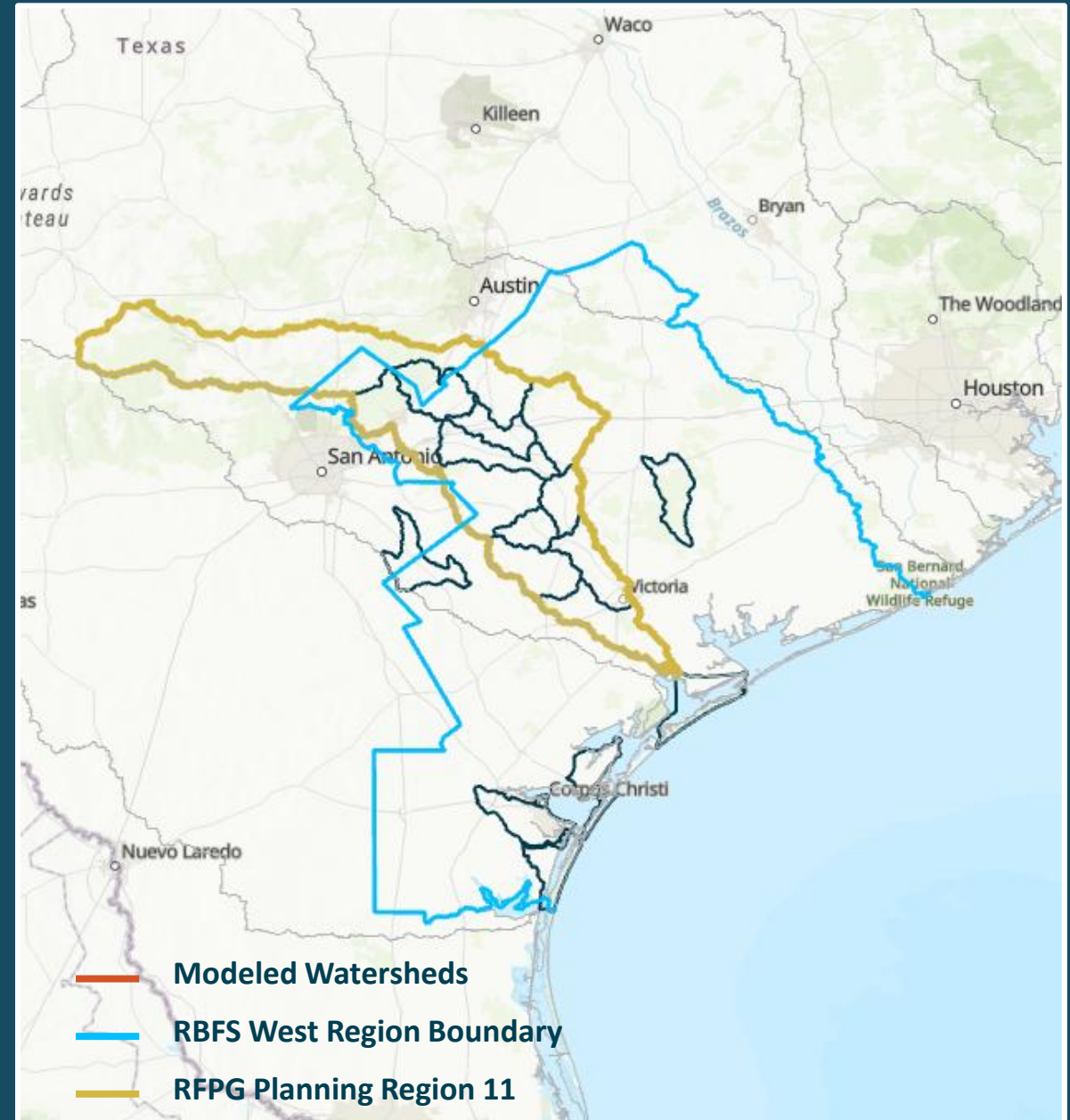
The Texas General Land Office (GLO) initiated the RBFS to provide declared disaster-impacted counties with flood modeling that identifies flooding hotspots and supports project development. The goals for the flood study are to:

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

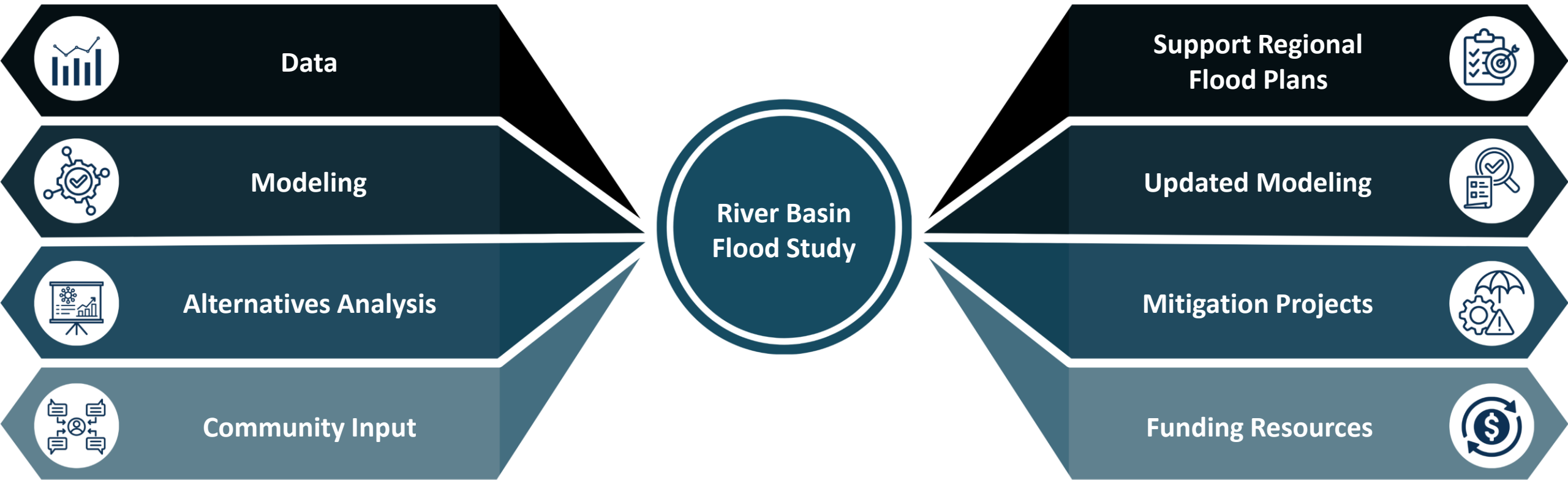
This is a one-time planning effort, and the data produced by RBFS will also be used to support current and future Texas State Regional Flood Plans.



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



Study Outcomes



Data Transfers



Transfer Data to/from RFPGs

Phase 1



Stakeholder Outreach

Phase 2



Data Collection

Phase 3



Evaluation of Flood Risk (Baseline Modeling)

Phase 4

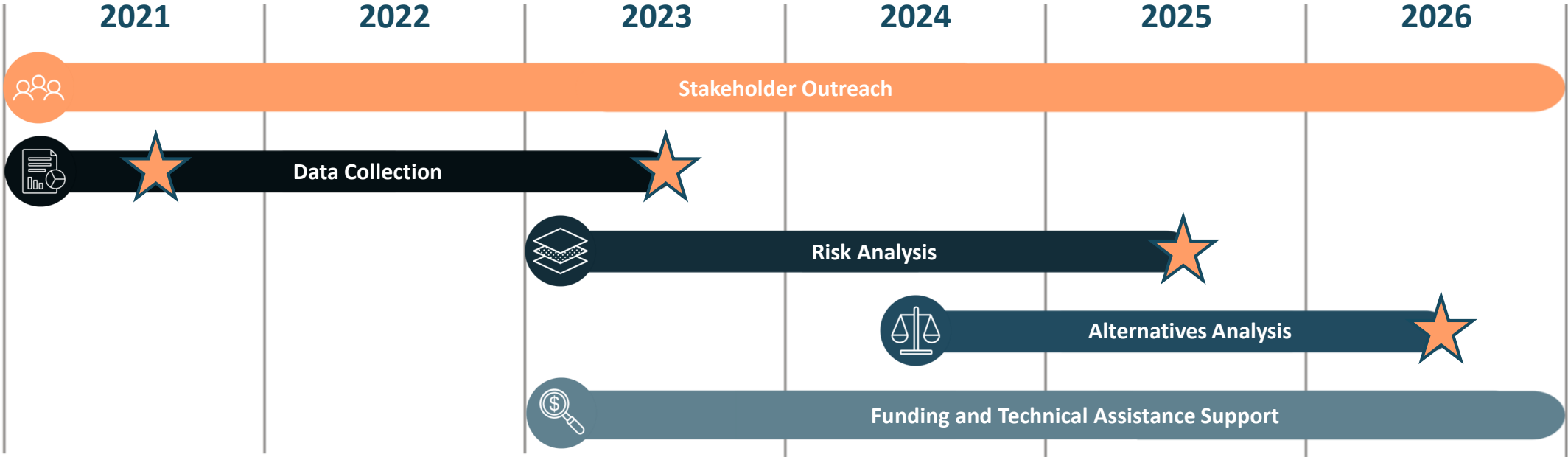


Alternative Analysis and Project Identification

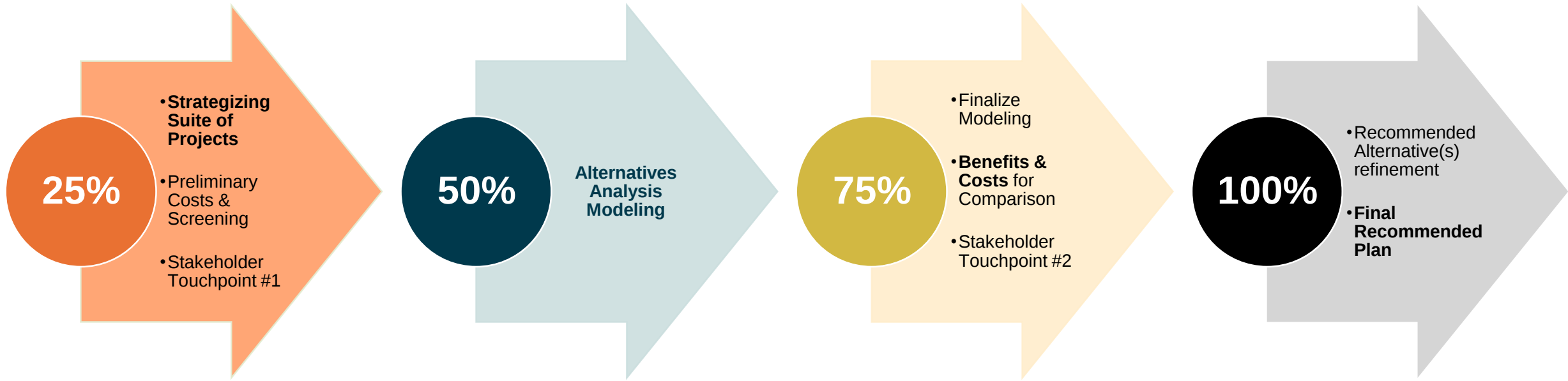
Phase 5

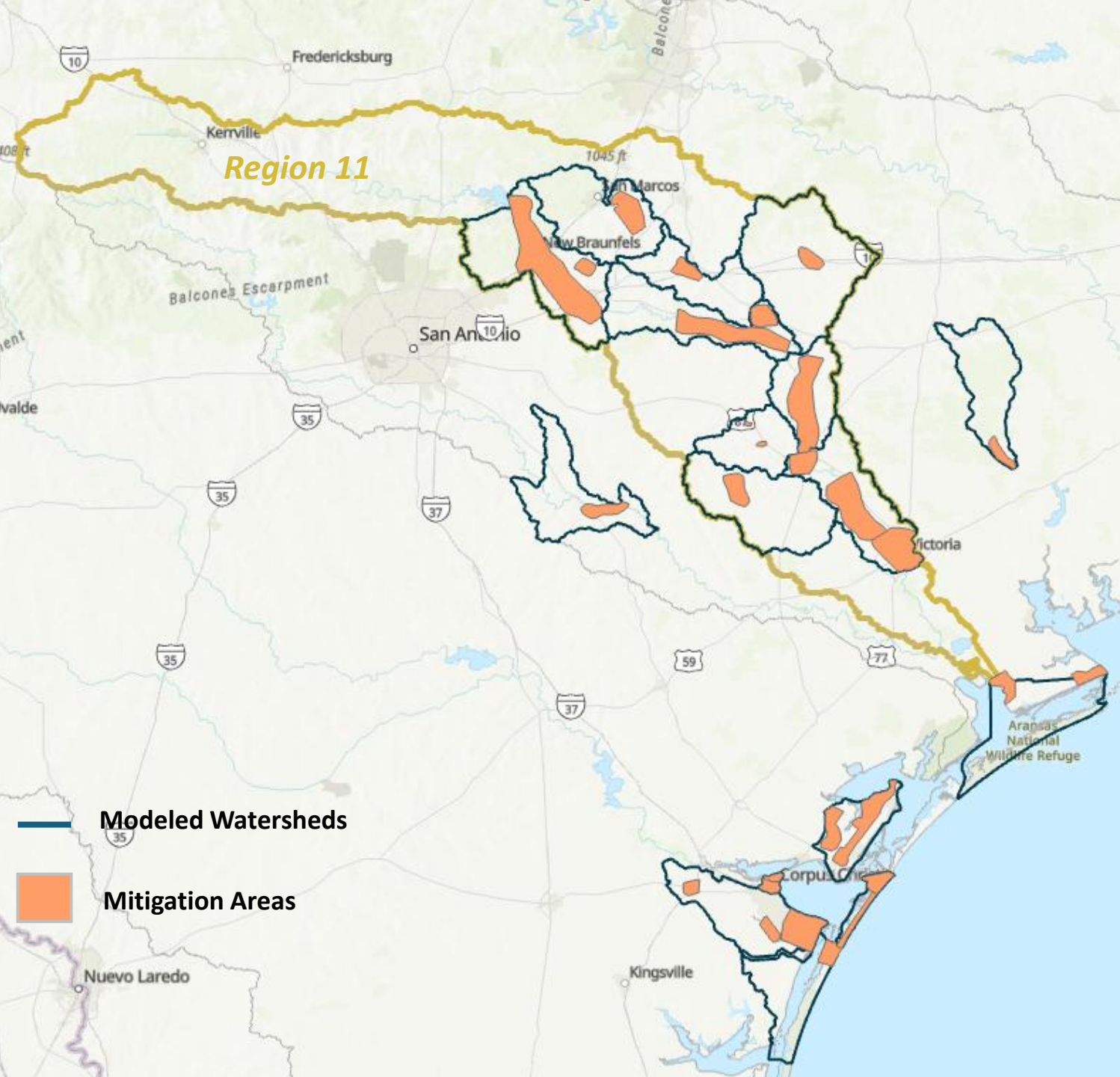


Funding and Technical Assistance Support



Alternatives Analysis Overview





RBFS Modeled Watersheds & Mitigation Areas in Region 11

9 modeled watersheds

All available now to download on DMQT

14 Mitigation Areas

High-risk areas that were the focus for project identification

12 Recommended Projects

>50 projects evaluated and 12 recommended for inclusion in the State Plan



RBFS Region 11 Project Summary

6 Home Elevation

3 Detention / Combination
Projects

1 Levee

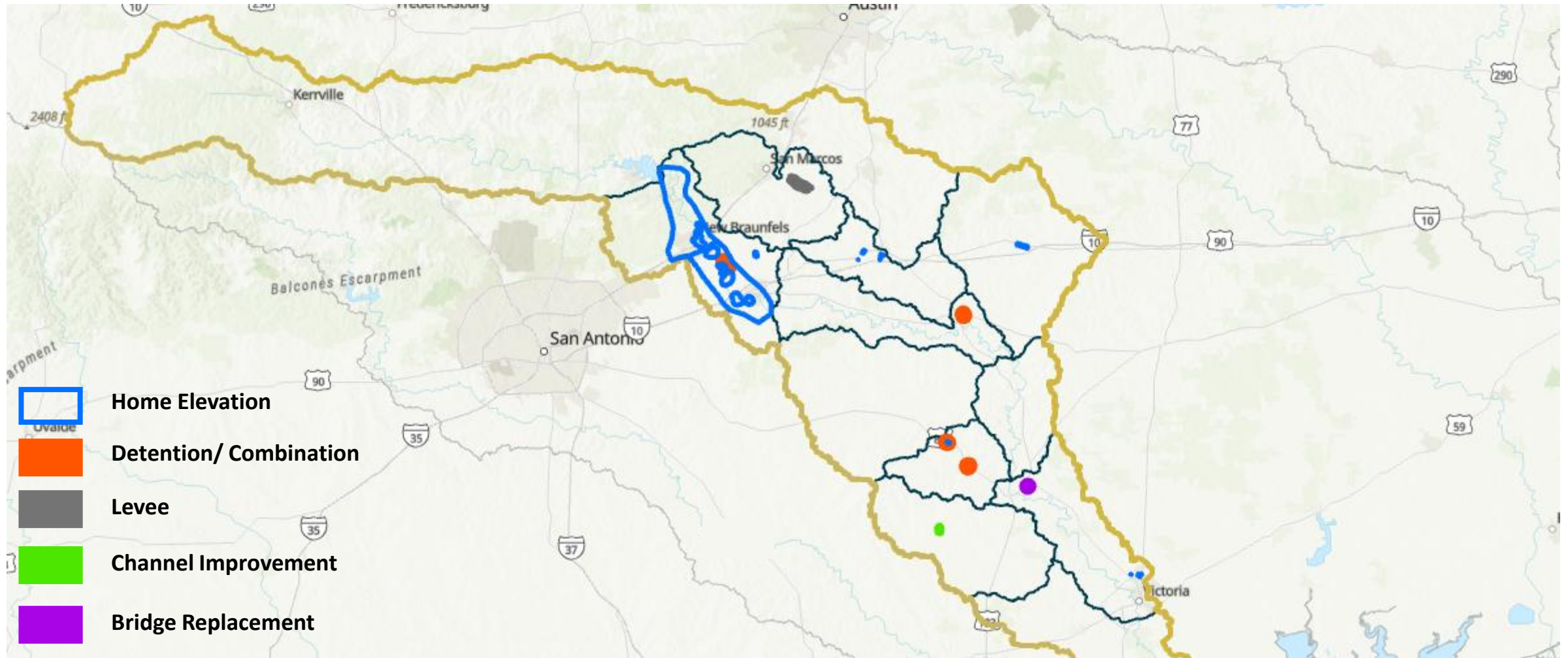
1 Channel Improvement

1 Bridge replacement

Project Information		Benefit/Cost Considerations		Funding
Watershed	Project Description	Cost	Benefit-Cost Ratio	Initial Funding Source Recommendations
Comal	Regional Elevation (6 project areas)	\$23M	1.6	FEMA FMA, FEMA BRIC, TWDB FIF
		\$8M	1.3	
		\$52M	1.5	
		\$21M	1.5	
		\$18M	1.4	
		\$13M	1.5	
Comal	Detention	\$20.3 M	0.8	TWDB FIF
Comal	Regional Elevation	\$1.1 M	1.7	FEMA FMA, FEMA BRIC, TWDB FIF
Upper San Marcos	Levee + Benching	\$10.7 M	0.2	USDA-FIF
Lower San Marcos	Home Elevation	\$39.6 K	1.37	FEMA FMA, FEMA HMGP, FEMA BRIC
Peach Creek	Home Elevation	\$571 K	0.63	TWDB FIF CDBG DR/MIT
Spring Creek	Flume Upgrades with Bridge Replacement	\$25 M	.03	USDA WFPO
Spring Creek	Home Elevation	\$4.5	.23	CDBG-DR/MIT
Twelvemile	Channel Improvement	\$15.74 M	1.66	FEMA-FMA, FEMA-HMGP, FEMA-BRIC, USDA-EWP, and TWDB-FIF.
Lower Sandies	Home Elevation	1.0	0.4	CDBG DR/MIT, USDA EWP
Lower Sandies	Detention & Channel Improvements	0.6	0.2	CDBG DR/MIT, FHWA BUILT, USDA EWP, USDA WFPO
Mill Creek	Detention	\$15.8 M	0.5	CDGB-MIT



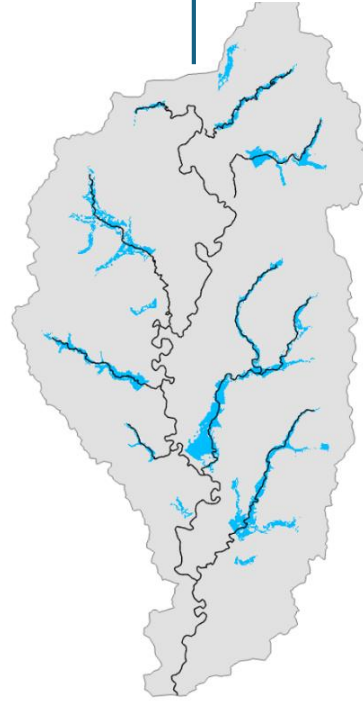
Project Locations



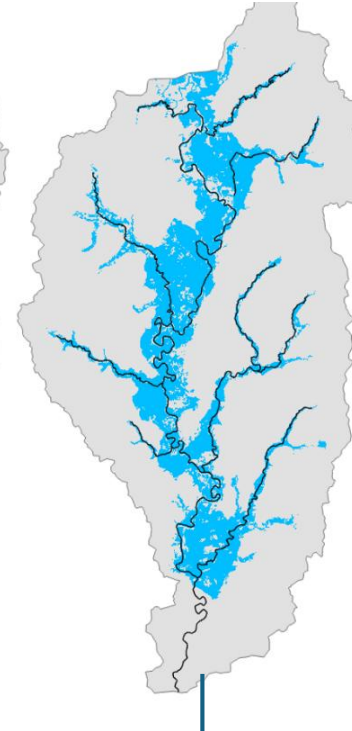
Agricultural Land Pilot Study

- Large amount of **agricultural flood risk** within RBFS West Region- not the priority for flood projects, but did not want to ignore this risk.
- Pilot Study within Region 11 (McCoy Creek Watershed) to evaluate whether **restoring underperforming agricultural lands to native prairie** could reduce flooding impacts for downstream agricultural areas and communities.
- **4 watershed-scale modeling scenarios:** tributary floodplains; tributary + mainstem floodplains; upland/overland areas; and targeted tributary subareas at varying implementation levels.
- **Results support further exploration of a programmatic agricultural land reclamation strategy across the Guadalupe River Basin and statewide.**

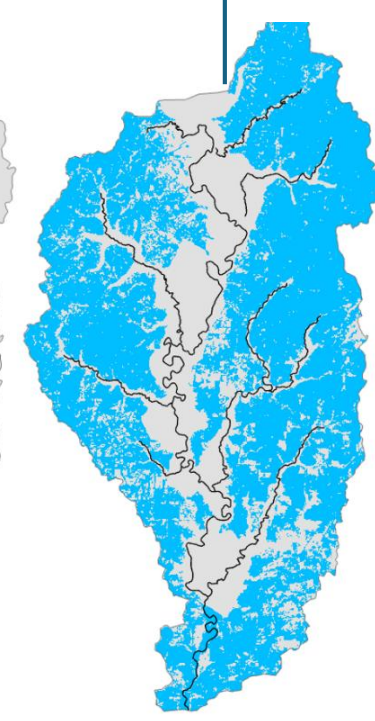
1: Floodplain: Tributaries Only
Grassland within tributary floodplains



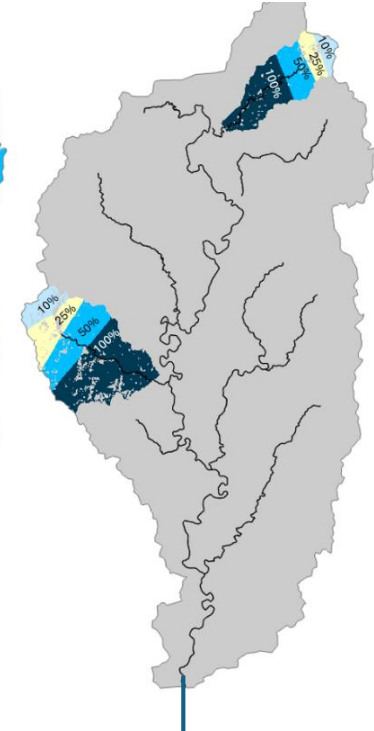
2. Floodplain: Mainstem Guadalupe & Tributaries
Grassland on both tributary & mainstem floodplain



3. Overland areas only
Grassland only outside of the floodplain



4. Tributary Scenarios
Grassland conversion on 10%, 25%, 50%, and 100% of the contributing area for two test tributaries



Data & Models Query Tool (DMQT)

Flood Models Available to Download Now!

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



TDIS Data & Models Query Tool (DMQT)

The screenshot displays the TDIS Data & Models Query Tool (DMQT) interface. The top navigation bar includes the TDIS logo, the title "DATA & MODELS QUERY TOOL", and a "Login" button. A sidebar on the left contains a menu with icons for map, search, and other functions. The main area shows a map of Texas and surrounding states, with several counties highlighted in blue. Annotations include:

- A callout box pointing to the "Login" button: "Create a free account to access search options and download data".
- A callout box pointing to the sidebar menu: "Other available search options".
- A callout box pointing to a zoomed-in area of the map: "Zoom to area of interest".

The map shows various cities and regions, including Las Vegas, Phoenix, San Antonio, Austin, Houston, and New Orleans. The map is powered by Mapbox and OpenStreetMap.

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TDIS Data & Models Query Tool (DMQT)

TDIS DATA & MODELS QUERY TOOL

Logout Feedback TEXAS A&M

Choose model/data to preview

Click on county of interest (example: Colorado County)

Colorado County

- Central_UpperSanBernard_100pct_HEC-HMSv411
RBFS
This is a hydrologic HEC-HMS (version 4.11) model for the Upper San Bernard HUC-10. This model was d...
- Central_MiddleSanBernard_100pct_HEC-HMSv411
RBFS
This is a hydrologic HEC-HMS (version 4.11) model for the Middle San Bernard HUC-10. This model was ...
- Central_UpperSanBernard_100pct_HEC-RASv65
RBFS
This is a hydraulic HEC-RAS (version 6.5) model for the Upper San Bernard Creek HUC-10. This model w...
- Central_MiddleSanBernard_100pct_HEC-RASv65
RBFS
This is a hydraulic HEC-RAS (version 6.5) model for the Middle San Bernard Creek HUC-10. This model ...
- Central_LowerSanBernard_100pct_HEC-RASv641
RBFS
Low detail 2D HEC-RAS (version 6.4.1) hydraulic

TDIS © All rights reserved TEXAS A&M

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

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



TDIS Data & Models Query Tool (DMQT)

Central_UpperSanBernard_100pct_HEC-HMSv411

General Information

Contact Information

HUC:
1209040101

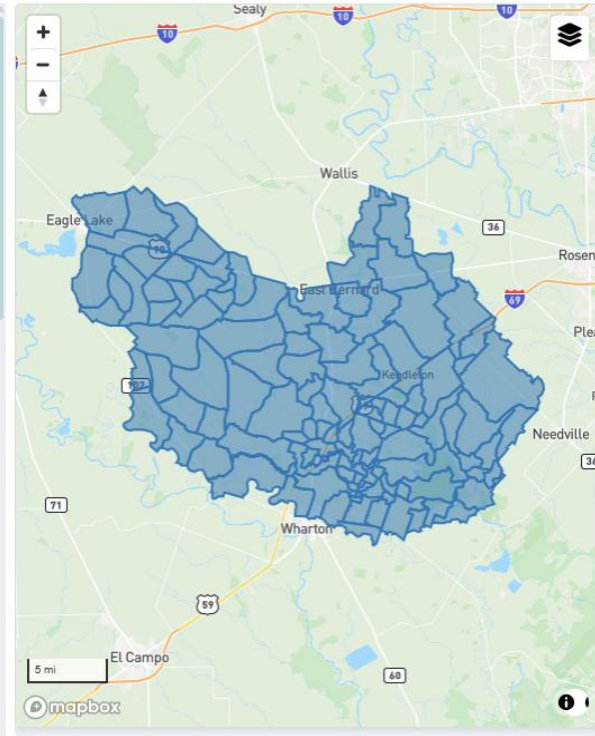
County:
Colorado, Wharton, Austin

City:
Wallis

Model Description:
This is a hydrologic HEC-HMS (version 4.11) model for the Upper San Bernard HUC-10. This model was developed by the Central Region team for the Texas General Land Office's River Basin Flood Study during Phase 3 of the study.

Model Purpose:
The enclosed hydrologic and hydraulic models, final report, and GIS data were developed for the Texas General Land Office (GLO) for its Regional River Basin Flood Study project. The purpose of these models, final report, and associated GIS data is to better understand existing conditions for the GLO study. These products should not be used for construction or bidding purposes. For example, FEMA...

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



Map of model boundary

Model Files Listing

Available Files for Download

Complete Model Package
12090401_Upper San Bernard-Middle San Bernard.zip 163.36 GB

Model Results
Results.zip 6.76 GB

Reports
Upper-Middle San Bernard GLO RBFS Baseline Condit... 196.1 MB
Upper-Middle San Bernard GLO RBFS Baseline Results ... 10.8 MB

Spatial Data
MSBR_Subbasins.zip 250 KB
SB_Lakes_POLY.zip 26 KB
West_Bernard_Leveed_Areas.zip 6 KB
Sandy_Branch_Leveed_Areas.zip 5 KB

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

Close



RBFS Study Next Steps



Completion of Alternatives Analysis/Data Transfer to
RFPGs

Funding and Technical Assistance



Funding & Technical Assistance

West Region Implementation Plan

1. Introduction

2. Community
Summary

3. RBFS Projects
(if applicable)

4. Other Technical
Assistance

5. Funding
Mechanisms

6. Path Forward

Mitigation Strategy
Frameworks

Flood Mitigation
Strategies

Ordinance
Assessments

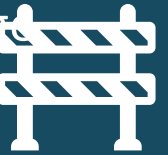
Outreach Plan

Project Application
Backbone

Additional RBFS
Resources

Study-Wide Activities

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



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



Mitigation Assistance for Tailoring Choices (MATCH) Tool

Available to use Now!

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





MATCH

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



Funding Opportunities

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



Projects

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



Application Insights

Generate insights and suggestions for your funding and project match.



Resources

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

MATCH

409.741.4331

 idrt@tamug.edu

 Institute for a Disaster Resilient Texas

 Texas A&M University

[View Announcements](#)



Visit the MATCH Tool
Website



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

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



Participate In
&
Share the Survey



tinyurl.com/GLORegionWideSurvey



QUESTIONS?

Contact the GLO RBFS Team by email at
glofloodstudies.west@recovery.texas.gov

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



Dates and Agenda for Next Meeting

- Tuesday, September 8, 2026 (9:30am)

Future Meeting Dates:

- Tuesday, November 10, 2026 (9:30am)
- Tuesday, February 9, 2027 (9:30am)
- Tuesday, April 11, 2027 (9:30am)
- Tuesday, June 8, 2027 (9:30am) (TBD)

Agenda Item 12

Public general comments
(limit 3 minutes per person)

Adjourn

Agenda Item 13