

Public Meeting Notice

*Region 9 – Upper Colorado Regional Flood Planning Group
March 4, 2021
9:00am CST*

The meeting will be held virtually (via Zoom).

*The Meeting Agenda and the Agenda Packet are posted online at
<https://www.twdb.texas.gov/flood/planning/regions/schedule.asp>*

A recording of the meeting will be available to the public in accordance with the Open Meetings Act upon written request.

Members of the public who wish to attend the virtual meeting may request link information by emailing allison.strube@cosatx.us. Members of the public may also submit Public Comment on agenda items by sending their written comments via email to allison.strube@cosatx.us by noon March 3, 2021.

The subject line must be in the following format: “Public Comment, [item number] – March 4, 2021.” All emails must include your name and address.

Please note all Public Comment emails relevant to posted agenda items received by the deadline will be published as part of the agenda packet prior to the meeting and are therefore public record.

Agenda:

1. Call to Order
2. Welcome
3. Public comments – limit 3 minutes per person
4. Approval of minutes from the previous meeting.
5. TWDB Update & Presentation
6. General Land Office Presentation
7. Update from Planning Group Sponsor regarding status of Regional Flood Planning Grant contract with the TWDB
 - a. Discussion on status of application for Regional Flood Planning Grant funds
 - b. Discussion of technical consultant procurement process
 - c. Discussion on Scope of Work posted with TWDB RFA
8. Discussion and possible action to appoint a Region 10 liaison
9. Public comments – limit 3 minutes per person
10. Consider date and agenda items for next meeting
11. Adjourn

Additional information may be obtained from:

Allison Strube

allison.strube@cosatx.us

301 W. Beauregard Ave.,

San Angelo, TX 76903

Meeting Minutes
Region 9 Upper Colorado Flood Planning Group Meeting
January 28, 2021
9:00AM CST
GoToWebinar Virtual Meeting

Roll Call:

<u>Voting Member</u>	<u>Interest Category</u>	<u>Present (x) /Absent () / Alternate Present (*)</u>
Kenneth Dierscke	<i>Agricultural interests</i>	X
Rick Bacon	<i>Counties</i>	X
Henryk Alexander Olstowski	<i>Electric generating utilities</i>	X
Christy Youker	<i>Environmental interests</i>	X
Vacant	<i>Flood districts</i>	n/a
Morse Haynes	<i>Industries</i>	X
Lance Overstreet	<i>Municipalities</i>	X
David H. Loyd Jr.	<i>Public</i>	X
Scott McWilliams	<i>River authorities</i>	X
Chuck Brown	<i>Small business</i>	X (arrived during item 4)
Cole D. Walker	<i>Water districts</i>	X
Allison Strube	<i>Water utilities</i>	X

<u>Non-voting Member</u>	<u>Agency</u>	<u>Present(x)/Absent () / Alternate Present (*)</u>
John McEachern	Texas Parks and Wildlife Department	X
Tim Frere	Texas Division of Emergency Management	X
Larissa Place	Texas Department of Agriculture	X
Ben Wilde	Texas State Soil and Water Conservation Board	X
Jet Hays	General Land Office	X
Hayley Gillespie, Ph.D.	Texas Water Development Board (TWDB)	X
Winona Henry	Texas Commission on Environmental Quality	X

Quorum:

Quorum: **Yes**

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

Number required for quorum per current voting positions of 12: 7

Other Meeting Attendees: **

**Meeting attendee names were gathered from those who entered information for joining the GoToWebinar meeting.

All meeting materials are available for the public at:
<http://www.twdb.texas.gov/flood/planning/regions/schedule.asp>.

1. AGENDA ITEM NO. 1: Call to Order

Chair Strube called the meeting to order at 9:05AM CST. A roll call of the planning group members was taken to record attendance and a quorum was established prior to calling the meeting to order.

2. AGENDA ITEM NO. 2: Welcome, Meeting Facilitation Information and Instructions

Chair Strube welcomed members to the meeting. A roll call of the planning group members was taken to record attendance.

3. AGENDA ITEM NO. 4: TWDB Update & Presentation

Hayley Gillespie, Ph.D. presented a Flood 101 presentation. No questions were asked of the board or public.

4. AGENDA ITEM NO. 5: Consider nominating and electing RFPG Vice Chair and Secretary (as applicable, per group bylaws)

Chair Strube showed the by-laws on the screen for the duties of the Vice Chair and Secretary.

a. Nominations for Vice Chair by members

Chair Strube nominated Chuck Brown for Vice Chair. No other nominations were presented by board members.

b. Discussion and consider taking action to elect Vice Chair

Rick Bacon made a motion to elect Chuck Brown by acclamation. David Loyd seconded Mr. Bacon's motion. Motion passed unanimously.

c. Nominations for Secretary by members

Scott McWilliams nominated Lance Overstreet for Secretary. No other nominations were presented by board members.

d. Discussion and consider taking action to elect Secretary

Scott McWilliams made a motion to elect Lance Overstreet by acclamation. Chuck Brown seconded Mr. Williams's motion. Motion passed unanimously.

5. AGENDA ITEM NO. 6: Consider nominating and electing two members-at-large to serve on the Executive Committee (as applicable, per group bylaws)

Chair Strube showed the by-laws on the screen for the duties of the Executive Committee

a. Nominations for two Executive Committee members-at-large by members

b. Discussion and consider taking action to elect Executive Committee members-at-large.

Item 6a and 6b were completed in unison. Chair Strube nominated Christy Youker for one member-at-large. Chair Strube made a motion to elect Christy Youker by acclamation. Rick Bacon seconded Mrs. Strube's motion. Motion passed unanimously.

Chair Strube nominated and moved for Rick Bacon to serve as the additional member-at-large. Scott McWilliams seconded Mrs. Strube's motion. Motion passed unanimously.

6. AGENDA ITEM NO. 7: Update from Planning Group Sponsor regarding status of Regional Flood Planning Grant contract with the TWDB

a. Discussion on status of application for Regional Flood Planning Grant funds

Chair Strube provided an update on Political Subdivision's efforts since the last meeting. City of San Angelo took an item before City of San Angelo City Council's consent agenda on December 15, 2020, where it was approved unanimously. Request for Funding, 70 pages, was submitted by the City of San Angelo to Texas Water Development Board (TWDB) in the amount of \$946,200. \$9,462 or 1% of the funding was submitted to be used for Voting Member Travel. \$80,000 was submitted for Other Expenses in the Request for Funding. The remaining, \$856,738, was submitted for Subcontract Services.

b. Discussion of technical consultant procurement process

Item 7b was discussed after 7c. Chair Strube provided an update to the group that the City of San Angelo staff had already begun a draft Request for Qualification (RFQ). Strube asked if the entire group wanted to review the draft or if the desire was to have the Executive Committee review the RFQ. Christy Youker asked if one technical consultant would be hired. Chair Strube answered that one technical consultant would be contracted with the City of San Angelo, but that technical consultant can hire sub-consultants. Chair Strube stated it was a goal to have the RFQ out in the month of February. David Loyd asked if we would contract for the full amount. Chair Strube referenced the previously discussed amount of \$856,738 for the sub-consultant. There was no objection to having the Executive Committee review the RFQ.

Lance Overstreet asked if the entire board would review submissions or just the Executive Committee. Hayley Gillespie, Ph.D. stated it had to be a vote by all board members on hiring the technical consultant. David Lloyd asked how many submissions are expected to receive. Cole Walker was not sure how many would apply based on experience with Water Planning. Chair Strube stated there was a breakdown of points or matrix that would be used for the scoring. Scott McWilliams asked if TWDB had a pre-approved matrix or engineering firms. Hayley Gillespie, Ph.D. stated there was not pre-approved engineering firms and that the RFQ including the scoring matrix is by the political subdivision. Chair Strube stated the City of San Angelo had standard matrix or scoring criteria. Chair Strube asked if there was any opposition to having the Executive Committee review, score, and provide justification back to the group on the technical consultant submissions. It was asked by Henryk Olstowski and David Loyd if the board members could receive copies of the technical consultant submissions. Rick Bacon made a motion to have the Executive Committee review, score, and provide justification to the entire group, and also to provide the entire group with the technical consultants' submissions. David Loyd seconded Mr. Bacon's motion. Motion passed unanimously.

c. Discussion on Scope of Work posted with TWDB RFA

Item 7c was discussed before 7b. Scope of Work was drafted by TWDB and submitted with the Request for Funding. It was also provided to the Board in the background materials. Chair Strube discussed having Hayley Gillespie, Ph.D. provide a presentation on the Scope of Work at the next meeting.

Chuck Brown brought up a question regarding liaisons between Flood Planning Groups. Hayley Gillespie, Ph.D. stated there was a requirement to have a liaison between groups 9 and 10. Chair Strube noted it for a discussion and action for an upcoming meeting.

7. AGENDA ITEM NO. 8: Consider a means by which the RFPG will develop and host a public website (required per §361.21(b)).

Chair Strube discussed the website options to the group. She stated that the group could have the Region 9 Flood Planning Group's page under the City of San Angelo's website (www.cosatx.us). Rick Bacon asked if it would be a part of the Other Expenses in the breakdown for the City's expenses as the political subdivision to host it on their website. Strube stated that there should be very little, if any, costs in creating it on the City's page. A motion was made by Scott McWilliams to utilize the City's website as the host of the group's website. The motion was seconded by Chuck Brown. The motion passed unanimously.

8. AGENDA ITEM NO. 9: Consider a means by which the RFPG will accept written public comment prior to and after meetings (required per §361.21(c)).

Chair Strube suggested options for two emails, both herself and Lance Overstreet's emails, as well as continue if someone wants to mail in public comment. Chair Strube did discuss the City website's capabilities for individuals to sign up for notifications and alerts once the website is up and running. Cole Walker made a motion to provide two email options for public comment and Chair Strube's physical address at the City of San Angelo for public comment. The motion was seconded by Scott McWilliams. The motion passed unanimously.

9. AGENDA ITEM NO. 10: Discussion of the required solicitation for persons or entities who request to be notified of RFPG activities (required per §361.21(e)).

Chair Strube asked for other ways of public outreach the group wanted to see besides the website. Christy Youker asked if the City's Facebook page would be an option for engagement. Chair Strube stated that she would have to discuss that with the City's Public Information Director, Brian Groves. Scott McWilliams suggested to continue to get with local television stations for interviews. No action was necessary on this item.

10. AGENDA ITEM NO. 11: Public comments – limit 3 minutes per person

Chair Strube opened the floor to public comments. No public comments were given. No action was taken. Chair Strube closed discussion on AGENDA ITEM NO. 11.

11. AGENDA ITEM NO. 12: Consider date and agenda items for next meeting

Chair Strube suggested presentations be made by Hayley Gillespie, Ph.D. on the Scope of Work and by the General Land Office. Chair Strube also suggested another Thursday morning meeting and proposed February 18th or 25th. Rick Bacon suggested meeting on February 18th. Chair Strube stated that it would likely be a virtual meeting and proposed 9:00am CST. No oppositions were brought forward to the proposed date and time.

Scott McWilliams asked how the board members should go about submitting agenda item between meetings. Chair Strube asked for those submissions to be sent directly to her. Henryk Olstowski asked about the schedule that was shown on the screen. Chair Strube stated that some of this would also be discussed in the TWDB's Scope of Work presentation at the next meeting. Hayley Gillespie, Ph.D. posted the website link to the proposed schedule in the GoToWebinar chat function for the group to utilize. Kenneth Dierschke asked that we work on Hayley Gillespie's microphone at the next meeting due to an echo. David Loyd asked about the vacant position for "Flood Districts". Chair Strube stated that the solicitation for that board member is posted on Texas Development Board's website and had a due date

for the end of February. Chuck Brown asked how many days in advance of the next meeting do board members need to submit agenda items. Chair Strube requested 10 to 14 days prior to the next meeting in order to meet the 7 day notice requirements. Hayley Gillespie, Ph.D. informed the group that there was a quick reference guide on posting requirements on TWDB's website.

12. AGENDA ITEM NO. 3: Approval of Minutes from Previous Meeting

Morse Hayes brought it to the attention of Chair Strube that the minutes of the previous meeting were not approved and that AGENDA ITEM NO. 3 was skipped. Chair Strube asked there were any edits or corrections to the minutes as posted. Rick Bacon made the motion to approve as posted. Morse Hayes seconded the motion. The motion passed unanimously.

13. AGENDA ITEM NO. 13: Adjourn

Kenneth Dierschke made a motion to adjourn. The motion was seconded by Scott McWilliams. The vote to adjourn passed unanimously. The meeting was adjourned at 10:18AM CST by Chair Strube.

Approved by the Region 9 Upper Colorado RFPG at a meeting held on March 4, 2021.

Lance Overstreet, SECRETARY

Allison Strube, CHAIR

Texas Water Development Board Flood Planning Presentation Regional Flood Planning Group 2nd Meeting

TABLE OF CONTENTS:

- Flooding 101 (20 minutes)
- RFA Process & Funding Summary (10 minutes)
 - Scope of Work Summary (20 minutes)

Flooding 101

(20-25 minutes)

Flooding 101: Watersheds

Flood planning regions follow Hydrological Unit Code (HUC-8) watershed boundaries.

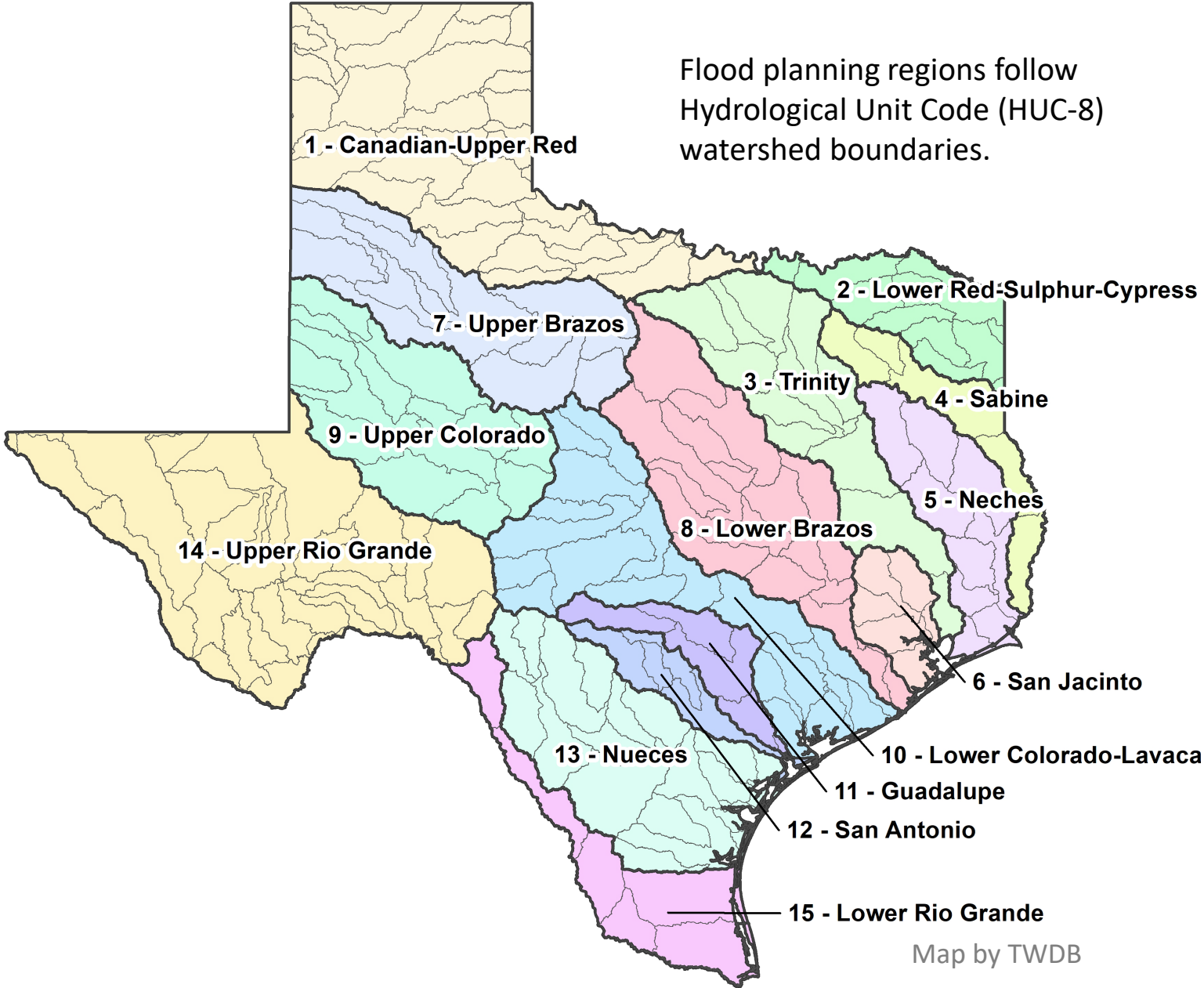
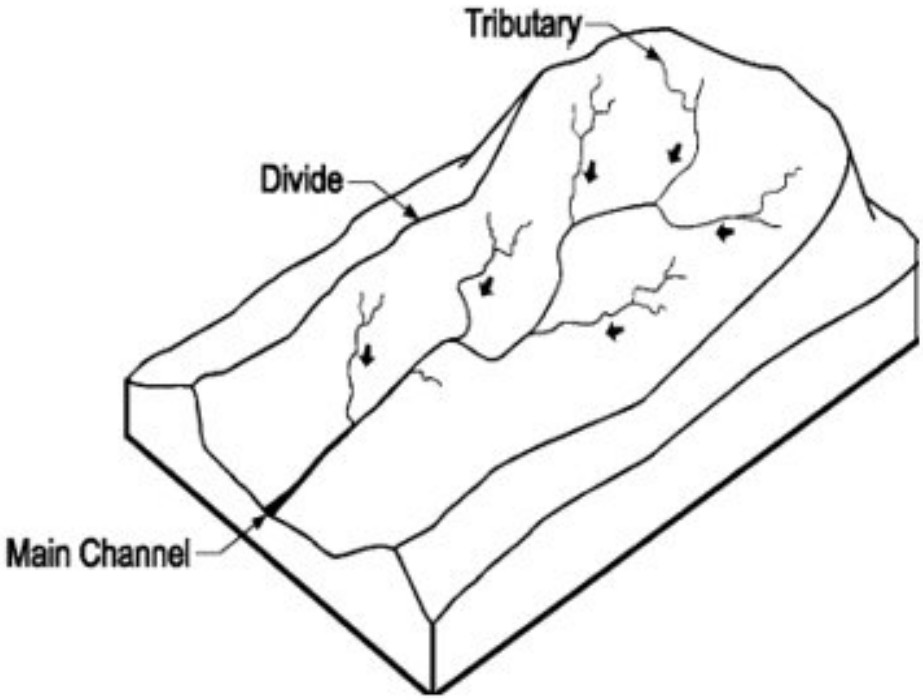
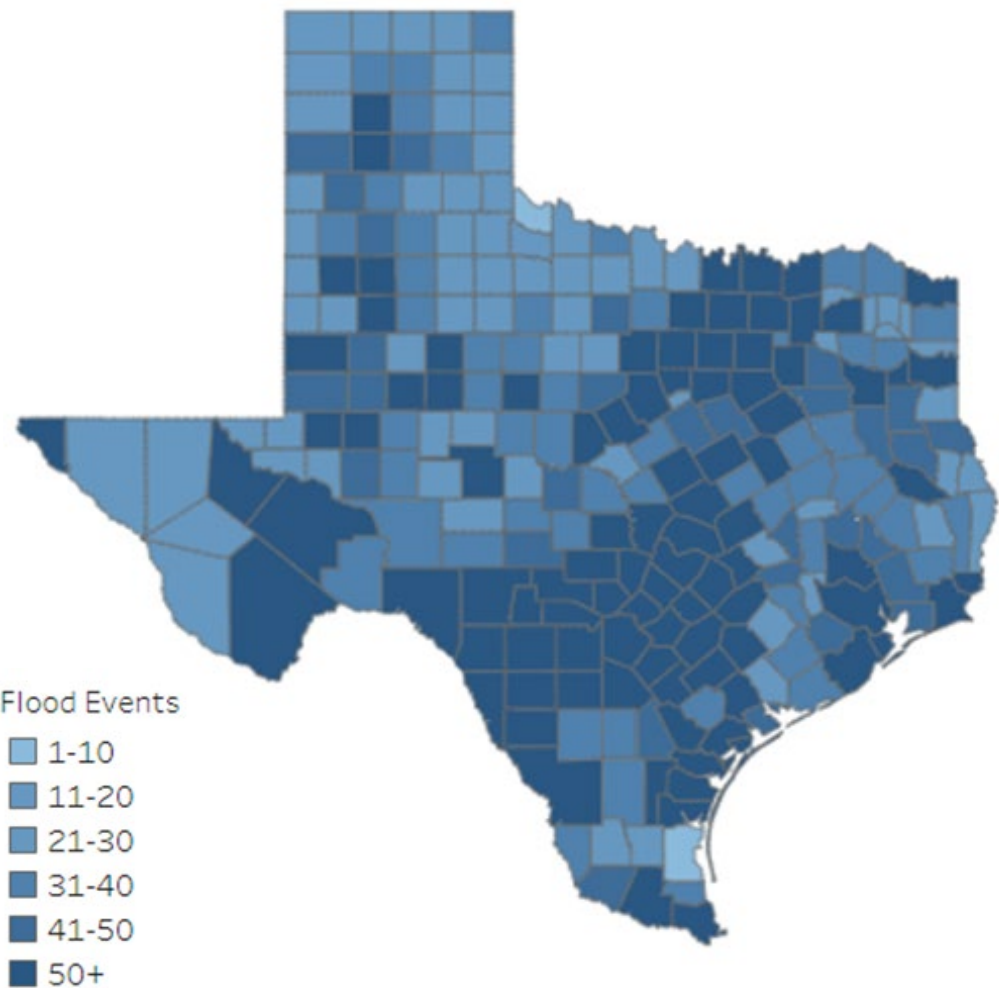


Figure 1-2. Riverine Watershed and Floodplain
Image by FEMA

Map by TWDB


Flooding 101: Flooding in Texas





Map: FEMA

Data: NOAA Storm Event Database 1996-2020


State Flood Assessment







REPORT TO THE LEGISLATURE

86TH LEGISLATIVE SESSION



Flooding 101: What is a Flood?

A general and temporary condition of partial or complete inundation of normally dry land area from overflow of inland or tidal waters or from the unusual and rapid accumulation or runoff of surface waters from any source.



Agricultural flooding damaging crops and hay.

Flooding 101: Floodplains

The area of land subject to periodic inundation by floodwaters.

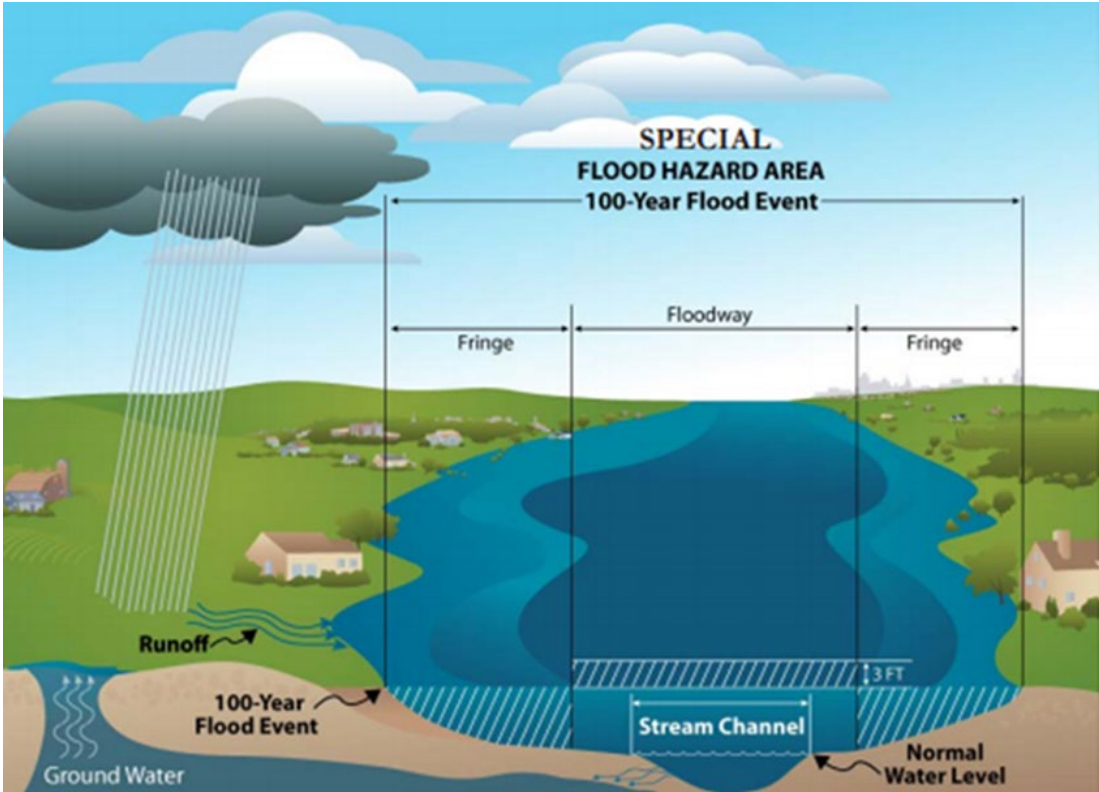


Image: FEMA



Image: FEMA

Flooding 101: Benefits of Floods

When floodplains are preserved in their natural state, they provide many benefits:

- Reduce severity of floods by storing floodwaters, reducing flood velocities, and curbing sedimentation and erosion
- Contribute to groundwater recharge
- Provide recreation and quality of life
- Create habitats for many plants and animals.

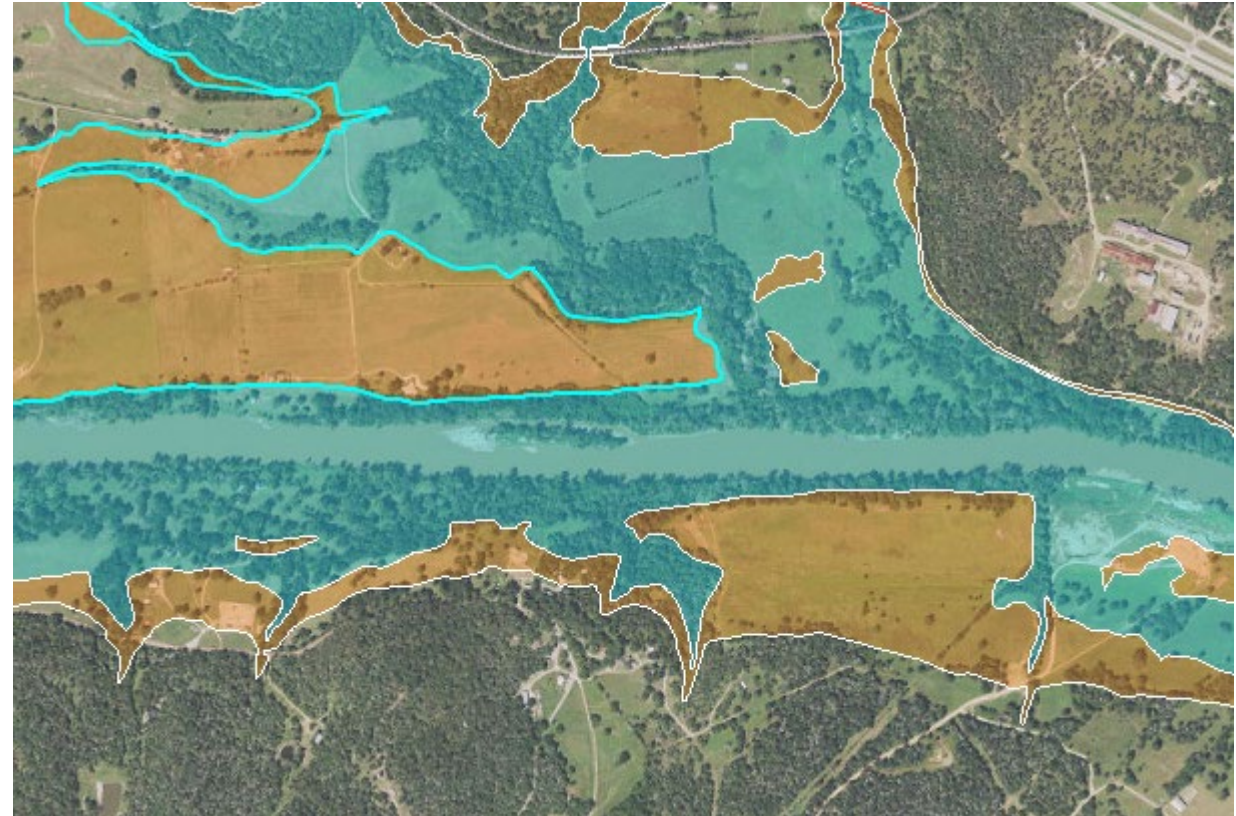


Wetlands at Galveston Island State Park provide natural ecosystem services.

Image: [Yinan Chen CC-PD](#)

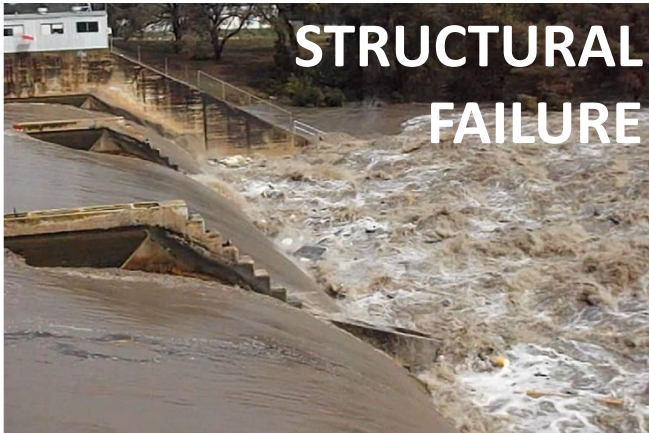
Flooding 101: Quantifying Flood Events

- 1.0% annual chance flood event
 - flood event having a 1.0% chance of happening in any given year = **every year**
 - also referred to as the "base flood" or "100-year flood"
- 0.2% annual chance flood event
 - flood event having a 0.2% chance of happening in any given year
 - also referred to as the "500-year flood"



The 1% annual chance floodplain is shown in blue.
The 0.2% annual chance floodplain is shown in orange.
Image by FEMA

Flooding 101: Types of Flooding



2019 Lake Dunlap Spillway Failure.
Guadalupe-Blanco River Authority



Texas National Guard, Houston, TX
Texas National Guard CC-BY-2.0



Blue Hole Park, South San Gabriel River,
Georgetown, TX. FEMA



Flash flooding in San Marcos, TX. [CC-BY-SA-3.0](https://creativecommons.org/licenses/by-sa/3.0/)



Cadillac Ranch sculpture near Amarillo, TX.
© Rachel Goad, used by permission.



Coastal flooding in Galveston, TX
[pixabay](https://pixabay.com/), no attrib. req.

Flooding 101: Flood Mitigation

The implementation of actions, including both **structural** and **non-structural solutions**, to reduce flood risk to protect against the loss of life and property.



Mangroves on the Texas Coast stabilize shorelines and help absorb storm surge; an example of a non-structural flood mitigation solution.

Photo by Univ. Of Texas Marine Science Institute



Galveston Seawall, a structural flood mitigation solution. Image by [Yinan Chen CC-PD](#)

Flooding 101: Structural Solutions to Flooding

Examples include the construction of levees, dikes, floodwalls/seawalls, dams, channel alterations, culverts, flood gates, and detention and retention basins.



Anzelduas Dam on the Rio Grande near Mission, TX. Image: TWDB



Storm Drains



Streambank Stabilization in Austin, TX. Image by City of Austin Watershed Protection

Flooding 101: Non-Structural Solutions to Flooding

Examples include open space preservation, property buyouts and relocation, zoning and building codes, wetland restoration, elevated structures, flood warning systems, educational campaigns, and participation in the National Flood Insurance Program.



Homes that survived the ~20-foot-high storm surge of Hurricane Ike in Bolivar Peninsula, near the community of Caplen.
Image: TWDB



Turn Around, Don't Drown educational campaign.
Image: Weather.gov



Engineered Wetlands in in the Houston Audubon Society's The Oaks Nature Preserve . Image: TWDB

Flooding 101: National Flood Insurance Program

Based on an agreement between local communities and the federal government.

- Local communities agree to adopt floodplain management regulations to reduce flood risks
- The federal government makes flood insurance and disaster assistance available to the community



Image by FEMA / National Flood Insurance Program



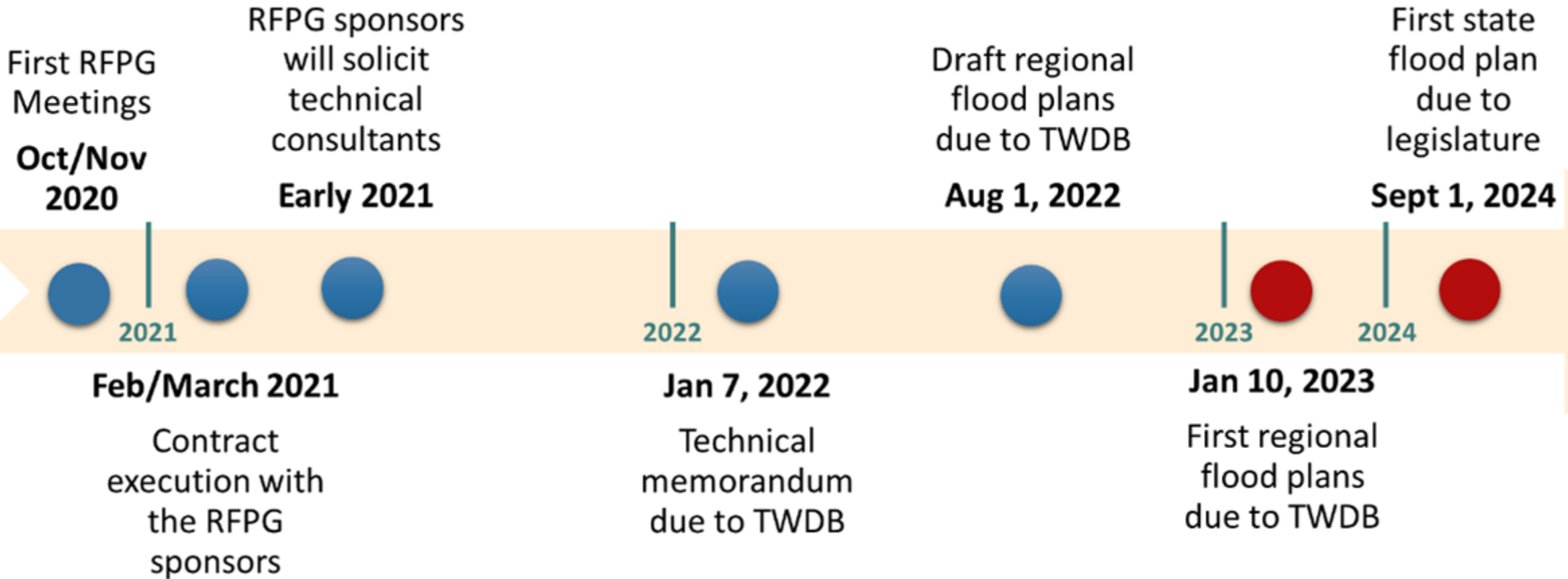
Image: Brent Hanson, U.S. Geological Survey. Public domain.

Questions? Comments?

Request for Applications Process & Contract Details

(5 minutes)

Flood Planning Timeline



Regional Flood Planning Grant RFA

- \$19.5 million in available funds to be allocated between 15 regions.
- Sponsors may submit applications November 20, 2020 - January 21, 2021
- Applications will be processed as received
- Contract execution (TWDB & sponsor) by March 31, 2020



Texas Water Development Board approved posting the Regional Flood Planning Grant Request for Applications on November 19th!

The Request for Applications and associated documents are now available on our website:

<https://www.twdb.texas.gov/flood/planning/documents/2023/index.asp>

Regional Flood Planning Grant Application Documents:

- [Request for Applications Posting](#)
- [Application Instructions](#)
- [Application Checklist](#)
- [Draft Scope of Work](#)
- [Draft Contractor \(Planning Group Sponsor\) Task Budget](#)
- [Board item document](#)

These documents are available on our website at:

<http://www.twdb.texas.gov/flood/planning/planningdocu/2023/index.asp>

Funding the Planning Process

Total \$19,500,000

Region	RFPG Name	Allocated Funds
1	Canadian-Upper Red	\$1,008,200.00
2	Lower Red-Sulphur-Cypress	\$910,400.00
3	Trinity	\$2,520,200.00
4	Sabine	\$947,600.00
5	Neches	\$1,148,900.00
6	San Jacinto	\$2,446,000.00
7	Upper Brazos	\$961,500.00
8	Lower Brazos	\$1,485,500.00
9	Upper Colorado	\$946,200.00
10	Lower Colorado-Lavaca	\$1,373,700.00
11	Guadalupe	\$961,300.00
12	San Antonio	\$1,295,000.00
13	Nueces	\$1,143,700.00
14	Upper Rio Grande	\$1,081,800.00
15	Lower Rio Grande	\$1,270,000.00



Image: Brent Hanson, U.S. Geological Survey. Public domain.

Questions? Comments?

RFPG

Responsibilities

Scope Of Work Overview

(20-25 minutes)

General Document Cross-Reference

Regional Flood Planning Contract Document References			2023 Regional Flood Plan Chapter, Associated TAC Sections, and Content		
TWDB Contract Reimbursement Accounting Number ('CAS')	Exhibit A - Contract SOW Task	Exhibit C - General Guidelines for Regional Flood Plan Development	Regional Flood Plan Chapter Number	Primary TAC Section	General Content
1	1	1	1	§361.30; §361.31; §361.32	Planning Area Description
2	2A	2	2	361.33	Existing Condition Flood Risk Analyses
3	2B			361.34	Future Condition Flood Risk Analyses

Task 1 – Planning Area Description



Llano dam on the Llano river sits on the banks of the county seat.

Image: TWDB

A general description of the region, including:

- social & economic character
- flood-prone areas, types of major flood risks, and key historical flood events
- political subdivisions with flood related authority
- the extent of local regulation and development codes relevant to flooding
- existing or proposed natural flood mitigation features and constructed major flood infrastructure

Task 2A & 2B – Existing & Future Condition Flood Risk Analyses

Perform existing and future condition **flood hazard analyses** to determine the location and magnitude of both 1.0% and 0.2% annual chance flood events



Develop existing & future condition **flood exposure analyses** to identify who and what might be harmed for both 1.0% and 0.2% annual chance flood events.

Perform existing & future condition **vulnerability analyses** to identify vulnerabilities of communities and critical facilities

Task 3A – Evaluation & Recommendations on Floodplain Management Practices

- Consider how current floodplain management practices or regulations increase flood risks.
- Consider how the 1.0% annual chance floodplain and associated flood risks may change over time.
- Consider adopting minimum floodplain management/land use standards that an entity must adopt prior to including any evaluations, projects, or strategies in the regional flood plan.



West Fork San Jacinto River near Humble, Texas after Hurricane Harvey
Image: Steve Fitzgerald, Harris County Flood Control District

Task 3B – Flood Mitigation & Floodplain Management Goals

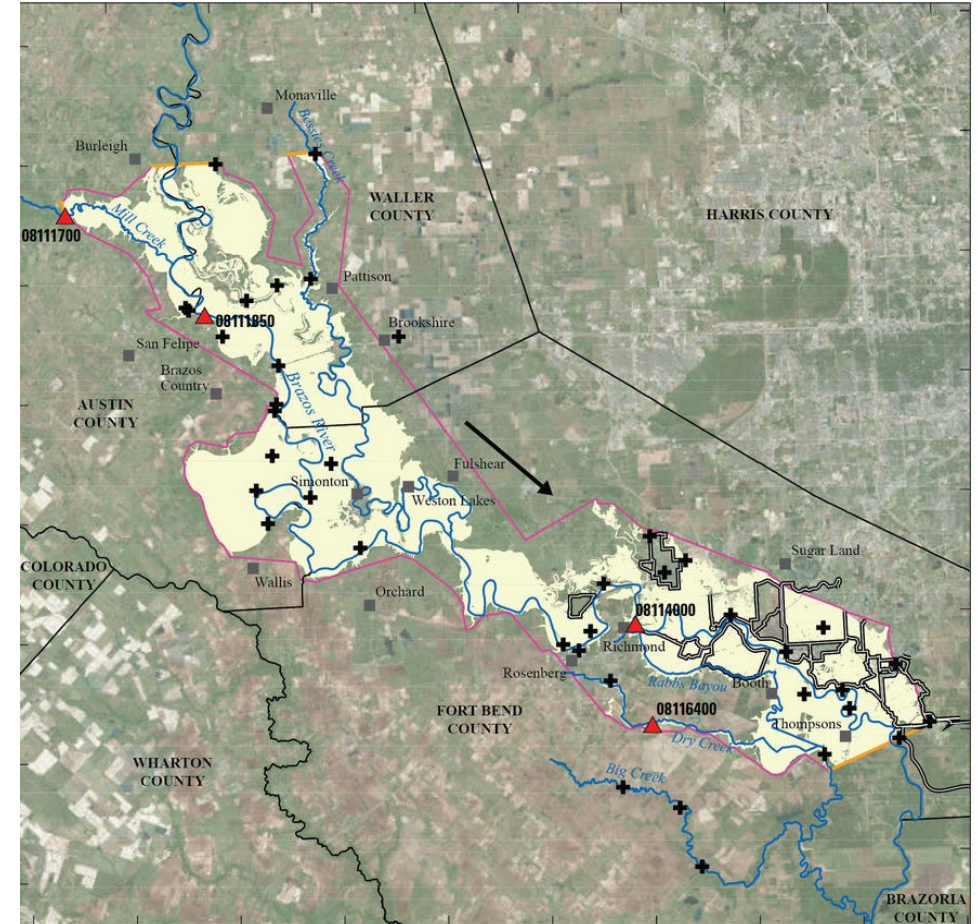


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from Noun Project

- Identify specific and achievable flood mitigation and floodplain management goals
 - Short (10 year) & Long-Term (30 year)
- State the levels of residual flood risk after goals are fully met.

Task 4A – Flood Mitigation Needs Analysis

- Identify locations within the region that have the greatest flood mitigation and flood risk study needs.
- Based on the analyses and goals developed by the RFPG under Tasks 2A through 3B

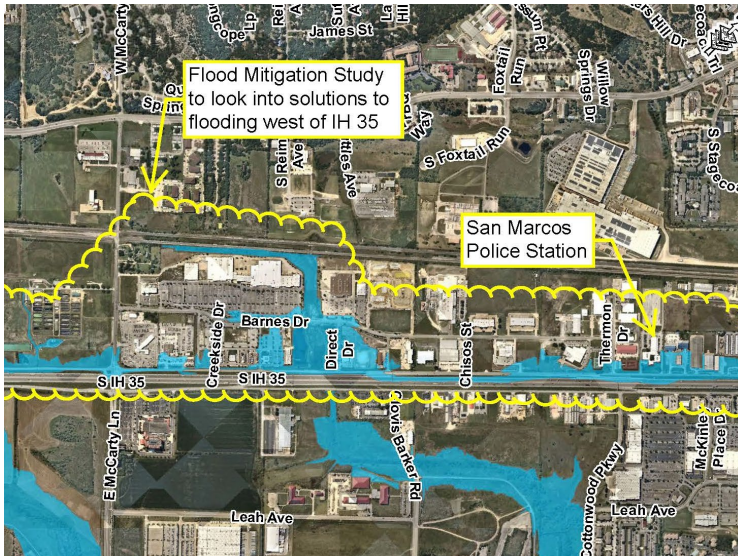


Map of inundated areas (yellow areas) on the lower Brazos River after Hurricane Harvey
Image: USGS

Key Terms for Tasks 4 & 5: FME, FMP, FMS

Flood Management Evaluation (FME)

- A proposed flood study of a specific, flood-prone area that is needed in order to assess flood risk and/or determine whether there are potentially feasible FMSs or FMPs.



Cottonwood Creek Flood Study, San Marcos, TX.

Image: City of San Marcos

Flood Management Strategy (FMS)

- A proposed plan to reduce flood risk or mitigate flood hazards to life or property (may or may not require associated FMPs to be implemented).



Exploration Green project, Clear Lake City, TX

Image: Texas Water Resources Institute

Flood Mitigation Project (FMP)

- A proposed project (structural and non-structural) that when implemented will reduce flood risk, mitigate flood hazards to life or property.

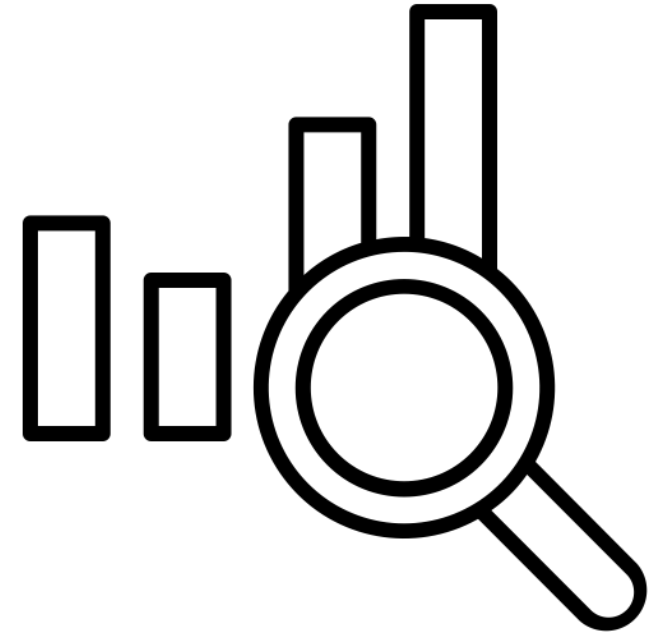


El Paso storm water project, El Paso, TX

Image: El Paso Water

Task 4B – Identification and Evaluation of Potential FMEs & Potentially Feasible FMSs and FMPs

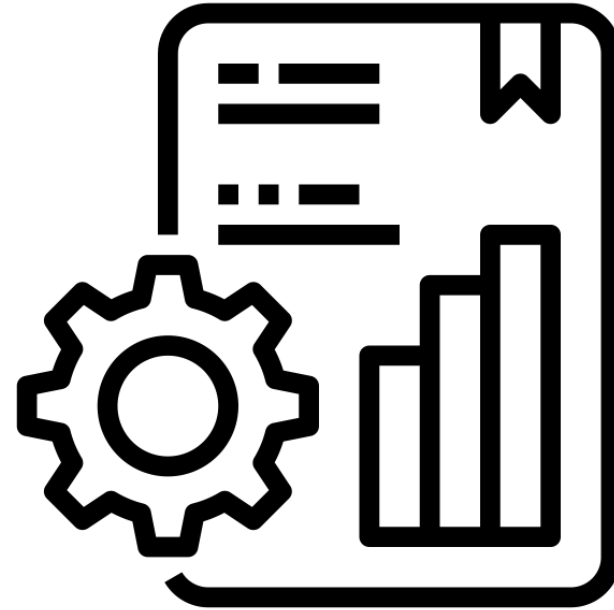
- Identify potential FMEs and potentially feasible FMSs and FMPs based on process developed with public input
- Evaluate potential FMEs and potentially feasible FMSs and FMPs based on a variety of factors described in rules and guidance.
- The FMPs should be permittable, constructible and implementable



Created by Pascal Heß
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Task 4C – Prepare and Submit Technical Memorandum

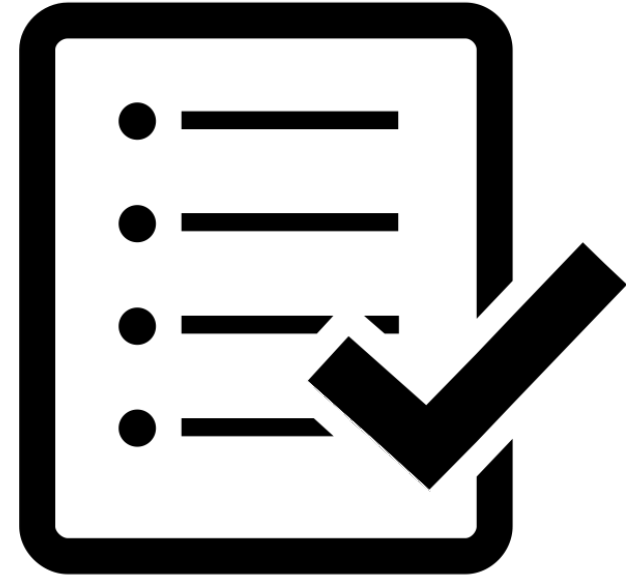
- Include all deliverables from Tasks 1 to 4B detailed in the Scope of Work
- TWDB Guidance Document will provide more information.
- Tentative Due Date: January 2022



Created by Komkrit Noenpoempisut
from Noun Project

Task 5 – Recommendation of FMEs, FMSs & FMPs

- Recommend FMEs that are most likely to identify potentially feasible FMSs and FMPs based on evaluations under Task 4B
- Recommend FMSs and FMPs to reduce the impacts of flood based on evaluations under Task 4B
- Recommendations should be based on comparison of alternatives



Created by Kwesi Phillips
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Regional & State Flood Planning Long-Range Planning Process



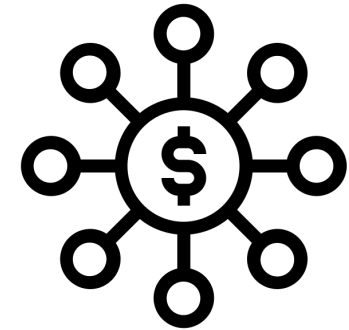
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Regional Flood Plans will identify flood risk and recommend FMEs, FMSs, and FMPs within regions.



Created by Creative Stall
from Noun Project

State Flood Plan will rank recommended FMEs, FMSs, and FMPs statewide.



Created by Alice Design
from Noun Project

Future state financial assistance may be allocated using a to-be-determined prioritization criteria.*

*Funding to implement projects can also come from local, federal, or other sources.

Task 6A – Impacts of Regional Flood Plan

- Summarize the relative reduction in flood risk that implementation of the plan would achieve.
- Describe impacts of recommended FMSs and FMPs on environment, agriculture, recreation, water quality, erosion, sedimentation, and navigation.
- State that FMPs will not negatively affect neighboring areas.



Crops in the lower Rio Grande Valley
Image: TWDB



Recreational boating.
Image: TWDB



Dolan Falls

Image: TWDB

Task 6B – Impacts on Water Supply

- Summarize how Regional Flood Plan will affect water supply.
- How would FMSs and FMPs contribute to water supply?
- How would FMSs and FMPs impact water supply, availability, or projects in the State Water Plan?



© Texas Water Development Board

Task 7 – Flood Response Information and Activities

- Summarize existing flood response preparations.
- Coordinate with entities in the region to gather information
- RFPGs do not perform analyses or other activities related to disaster response or recovery.



Texas State Guard Hurricane Harvey emergency response.

Image: Texas State Guard

Task 8 – Administrative, Regulatory, and Legislative Recommendations

- Develop policy recommendations to implement and achieve the RFPG's stated goals and plans.
- Consider potential new revenue-raising opportunities to fund flood activities in the region.



Image: TWDB

Task 9 – Flood Infrastructure Financing Analysis

- Survey and report on how sponsors propose to finance recommended FMEs and FMPs
- Include recommendations on the proposed role of the State in financing FMEs and FMPs



Dam on the Llano River under Hwy 16 in Llano, Texas.

Image: TWDB

Task 10 – Public Participation & Plan Adoption

Administrative activities not included in other tasks, including:

- Meeting preparations, notices, agendas, materials, minutes, presentations, public meetings, and public comments
- Website creation and maintenance
- Intraregional and interregional coordination and communication to develop the regional flood plan.



TWDB flood outreach meeting in Bastrop, TX.

Image: TWDB



Image: Brent Hanson, U.S. Geological Survey. Public domain.

Questions? Comments?



Texas General Land Office

Community Development and Revitalization

“The GLO stands ready to help our state maximize the use of this disaster recovery funding to build back stronger and more resilient communities.”

~ George P. Bush, Commissioner

Who we are

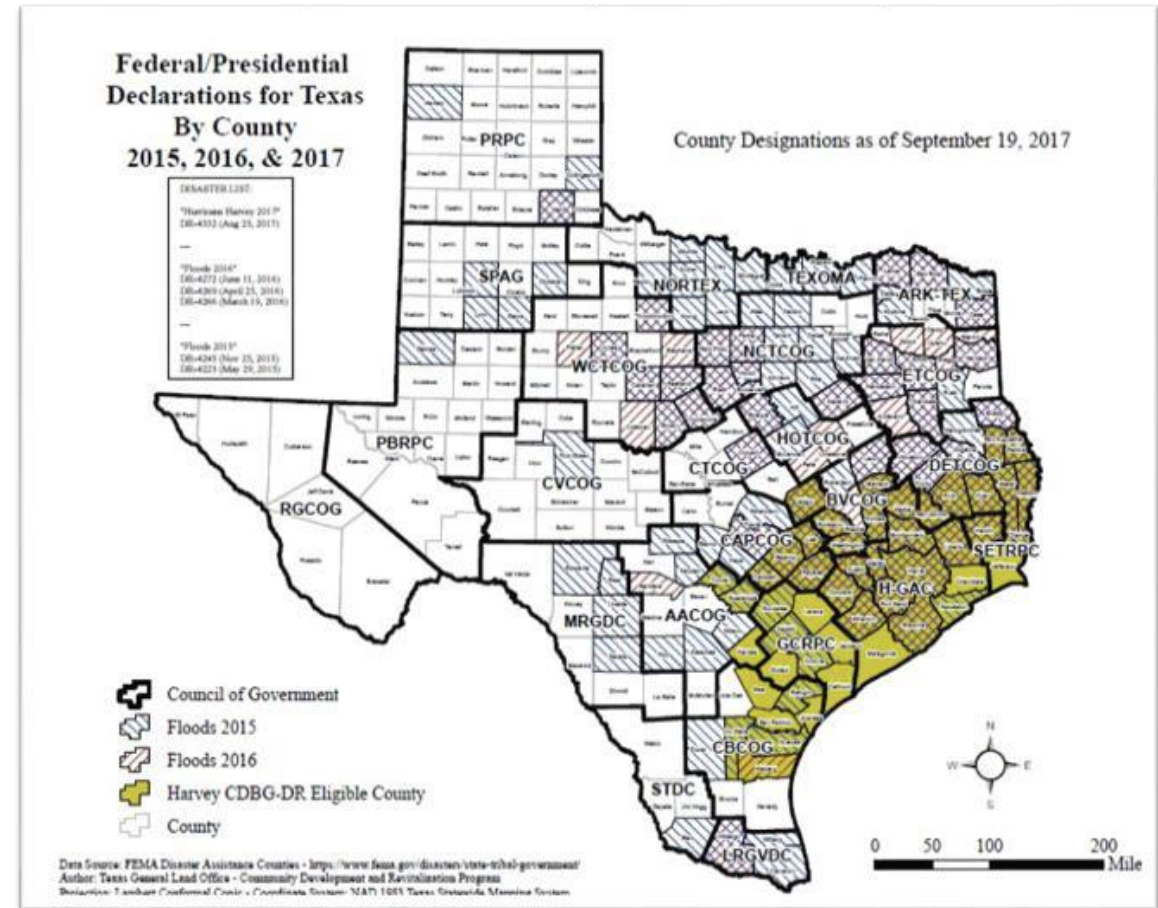


- Oldest State Agency
- Originally patented state-owned Land
- Maintains Map and Land Patent Archives
- Manages most state-owned land (about 12% of the state)
- Manages beaches and off-shore land
- Manages most state-owned minerals and wind rights
- Manages Permanent University Fund and Permanent School Fund
- Oil spills on beaches and state-owned land
- Veterans Programs
 - Veterans Land Board
 - State Veteran's Homes
 - State Veterans Cemeteries
- Community Development and Revitalization
 - State's agent in U.S. Department of Housing and Urban Development Disaster Recovery and Disaster Mitigation Grants

Mitigation Planning Funds



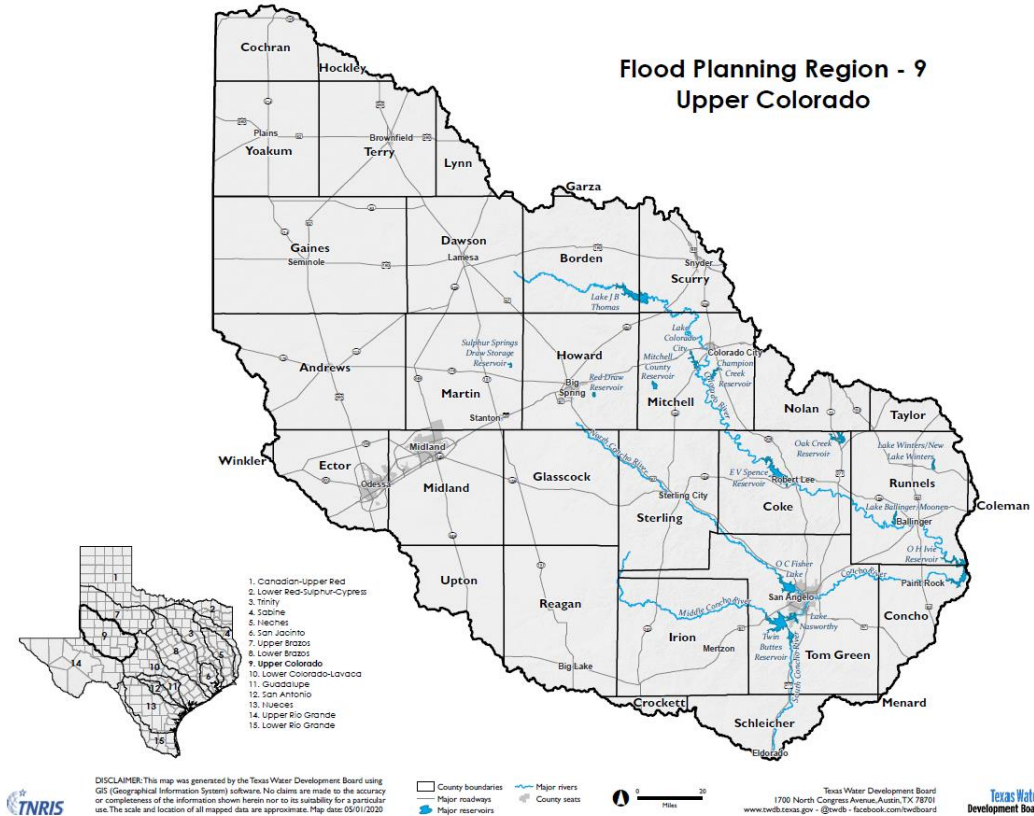
- Texas - \$4.3B for Mitigation
- Broken down by the CDBG-MIT Action Plan <https://www.recovery.texas.gov/action-plans/index.html> by Disaster and Program
- To be eligible, projects must tie back to Declared Counties, meet LMI requirements and be in a HUD or state MID county or Zip Code
- The application deadline for the 2015 and 2016 Mitigation competitions and the first tranche of Harvey Mitigation applications ended at 5 pm on Oct 28th. Keep up to date with future GLO CDBG competitions and programs via the GLO newsletter or the monthly local elected officials call.



Eligible Region 9 Counties



- Lynn – 2015 Floods
- Gaines – 2015 Floods
- Tom Green – 2015 Floods



Regional Flood Studies

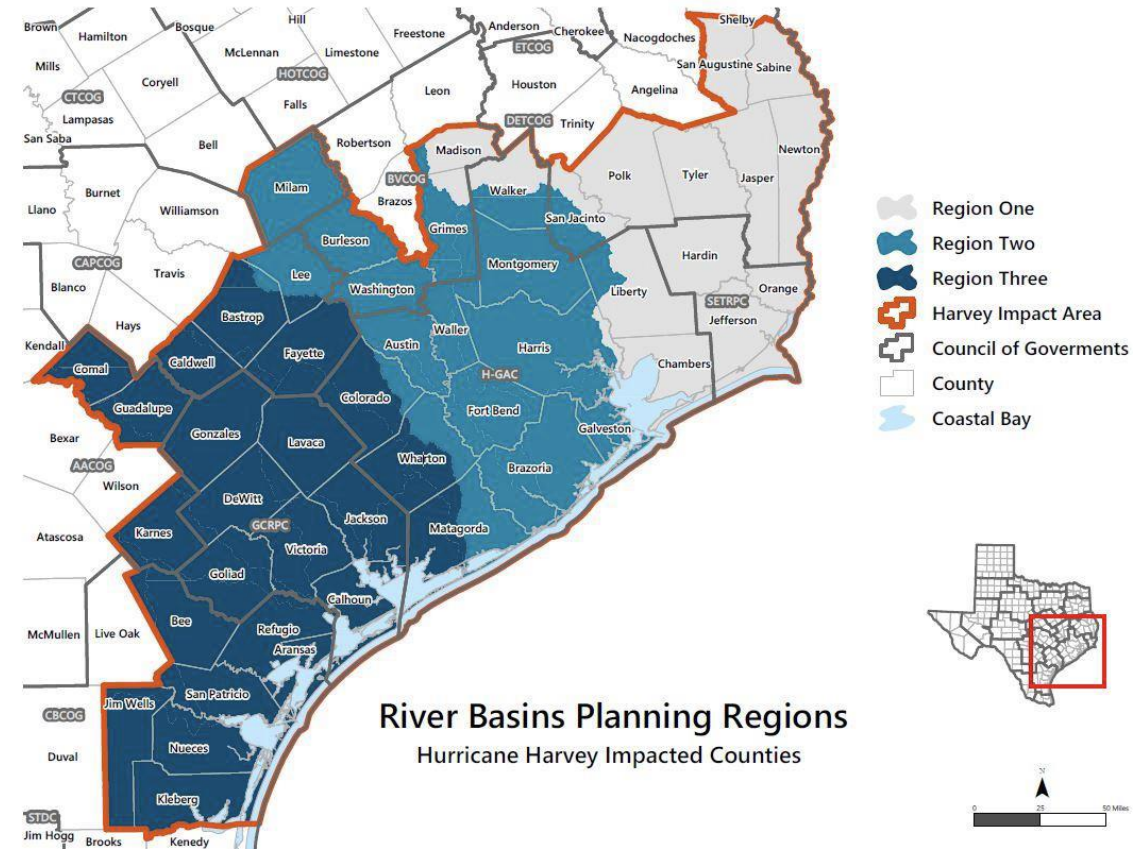


Budget: \$25M/region (\$75M total)

Five-phase study timeline estimates:

- 1) Data Collection & Stake Holder Engagement Plan
 - 6 Months
- 2) Data Collection & Stake Holder Engagement
 - 18 Months
- 3) Flood Model Development
 - 12 Months
- 4) Alternatives Analysis & Cost-Benefit Analysis
 - 6 Months
- 5) Recommendations & Pursuit of Additional Mitigation Funds
 - 6 Months

End date: June 2024 (contract expires)



Texas Disaster Information System (TDIS)



GLO is partnering with the Institute for a Disaster Resilient Texas (IDRT) at Texas A&M System to create TDIS.

TDIS will be an interactive, web-based spatial data system designed to support Preparedness, Response, Recovery and Mitigation for the State of Texas. Together TDIS and IDRT will be able to:

- Employ statewide data analytics and mapping technologies.
- Provide users with accurate information to assess related disaster risks, impacts, and mitigation strategies.
- Enable secured sharing of Texas disaster data information across public networks.
- Preserve data products generated during disaster response, recovery and planning missions.

Some TDIS Partners



Coordination with Federal and State Entities:

- Universities
- FEMA
- GLO - Coastal
- NOAA
- NWS
- TDEM
- TNRIS
- TWDB
- TxDOT
- USACE
- USGS



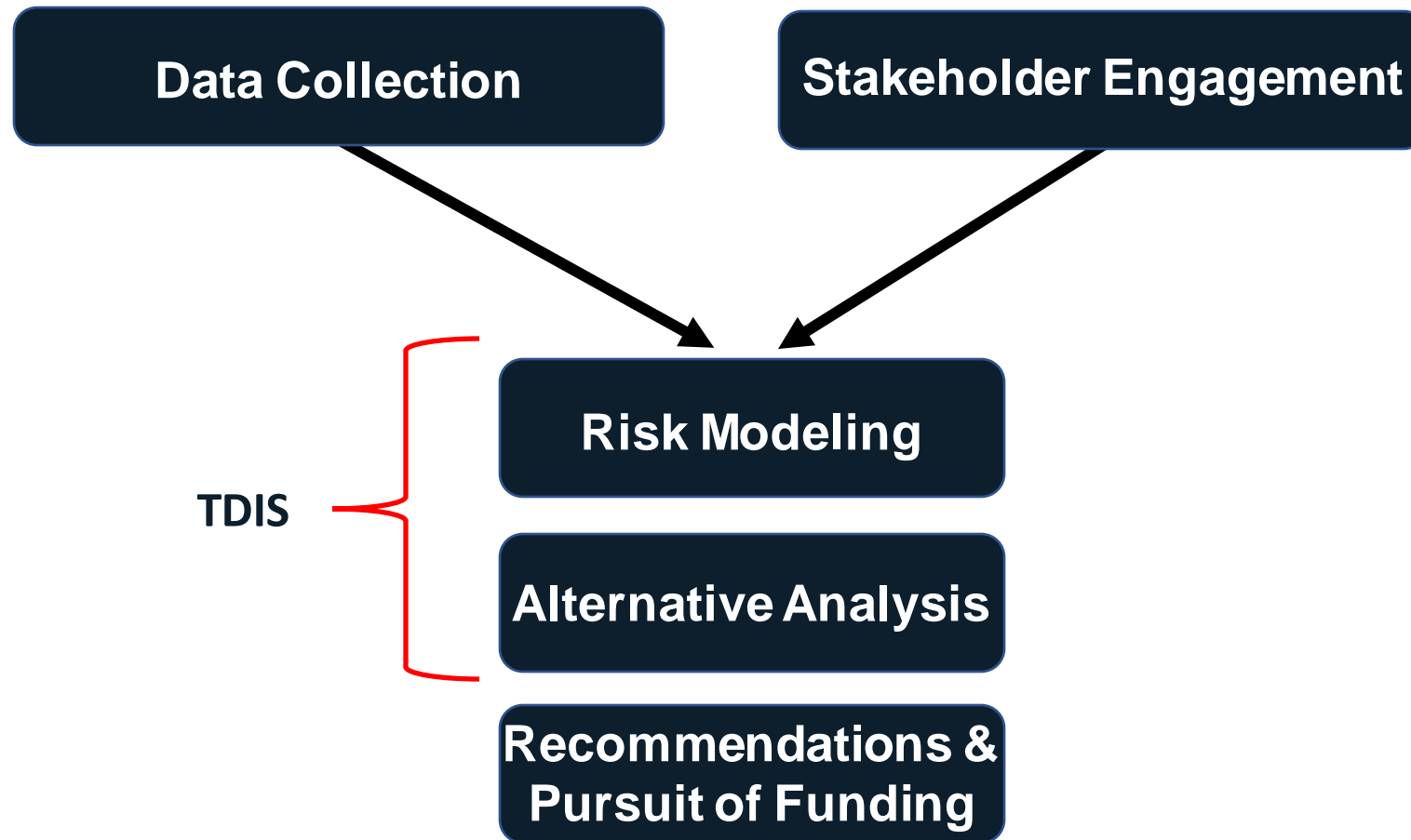
FEMA



US Army Corps of Engineers®



Strategic Planning Framework





Questions?

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